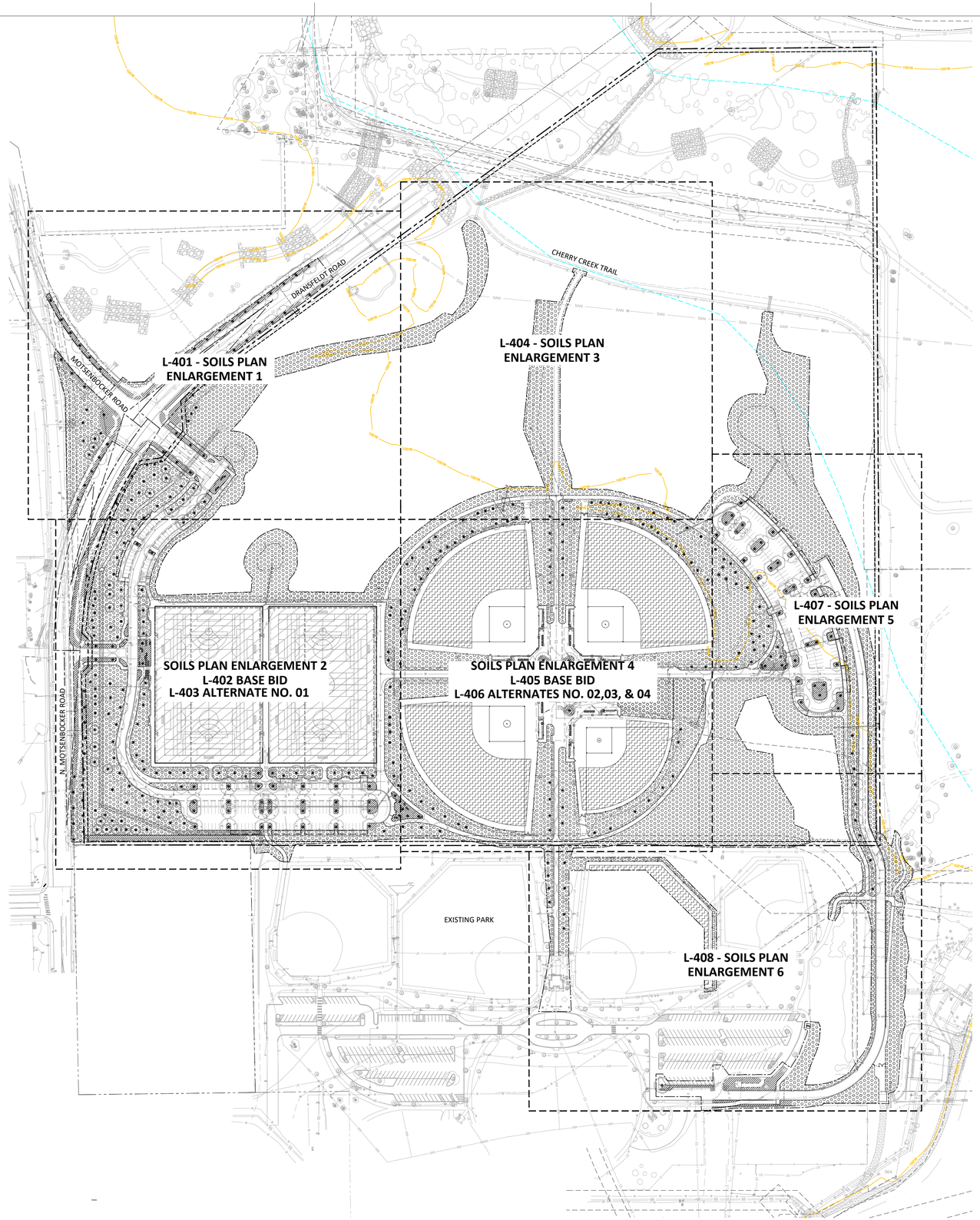
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- MIN 12" DEPTH PLANTING SOIL, TYPICAL AT ALL SHRUB AND PERENNIAL PLANTING AREAS
- MIN 6" DEPTH TOPSOIL, TYPICAL AT ALL SOD/SEED AREAS (NOT INCLUDING BALLFIELDS)
- MIN 16" DEPTH TOPSOIL, TYPICAL AT ALL SOD AREAS IN BALLFIELDS
- PROPOSED TREES
- EXISTING TREES TO REMAIN

A1 OVERALL SOILS PLAN
1" = 140'-0"

SCALE: 1" = 140'-0"
0' 70' 140' 280' 420'

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Key Map

Drawing
OVERALL SOILS PLAN

L-400

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- EXISTING TREES TO REMAIN

A1 **SOILS PLAN ENLARGEMENT 1**
1" = 40'-0"

SCALE: 1" = 40'-0"
0' 20' 40' 80' 120'

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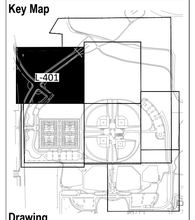
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ARCHITECTURE
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Key Map



Drawing
SOILS PLAN ENLARGEMENT 1

L-401

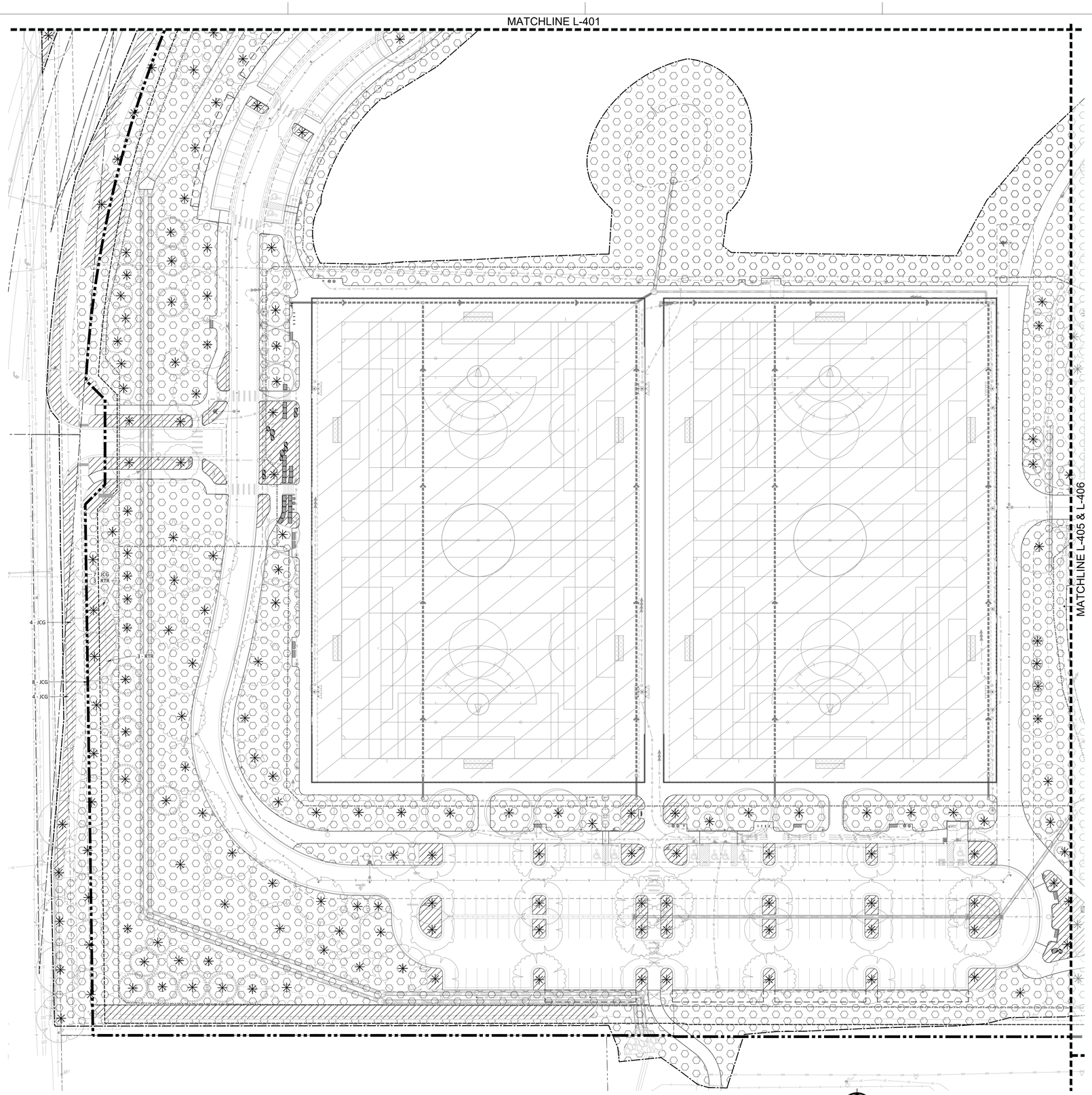
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C M Y K



A1 SOILS PLAN ENLARGEMENT 2- BASE BID

1" = 40'-0"

LEGEND

- PROPERTY LINE
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- PROPOSED TREES
- EXISTING TREES TO REMAIN

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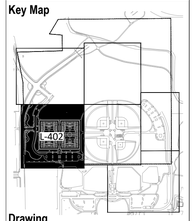
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	DATE	DESCRIPTION

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Key Map



Drawing

SOILS PLAN ENLARGEMENT 2- BASE BID

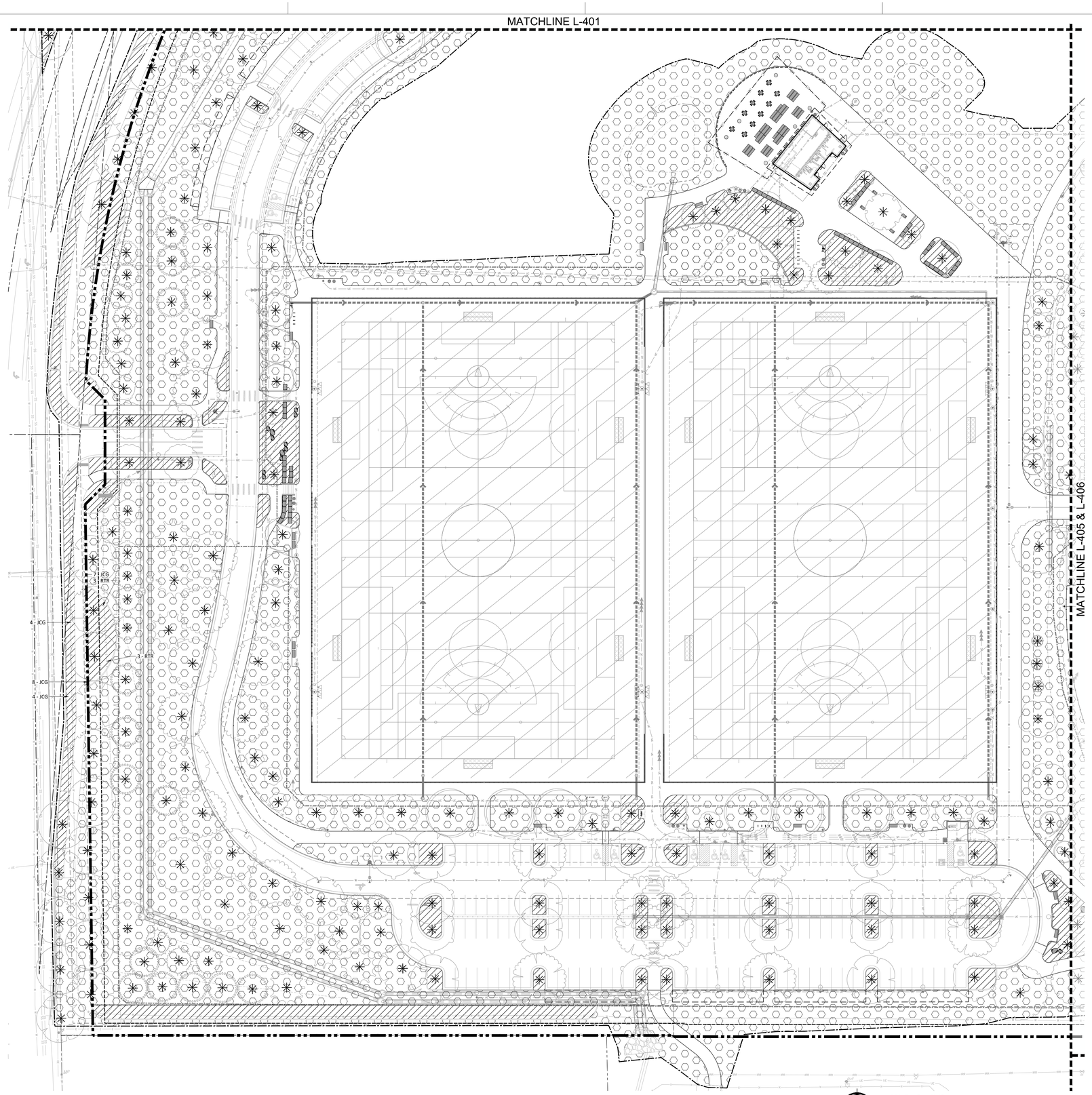
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A B C D



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- PROPOSED TREES
- EXISTING TREES TO REMAIN

A1 **SOILS PLAN ENLARGEMENT 2- ALTERNATE NO. 01**
1" = 40'-0"

SCALE: 1" = 40'-0"
0' 20' 40' 80' 120'

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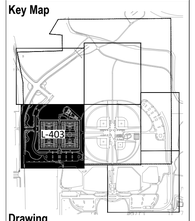
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Key Map



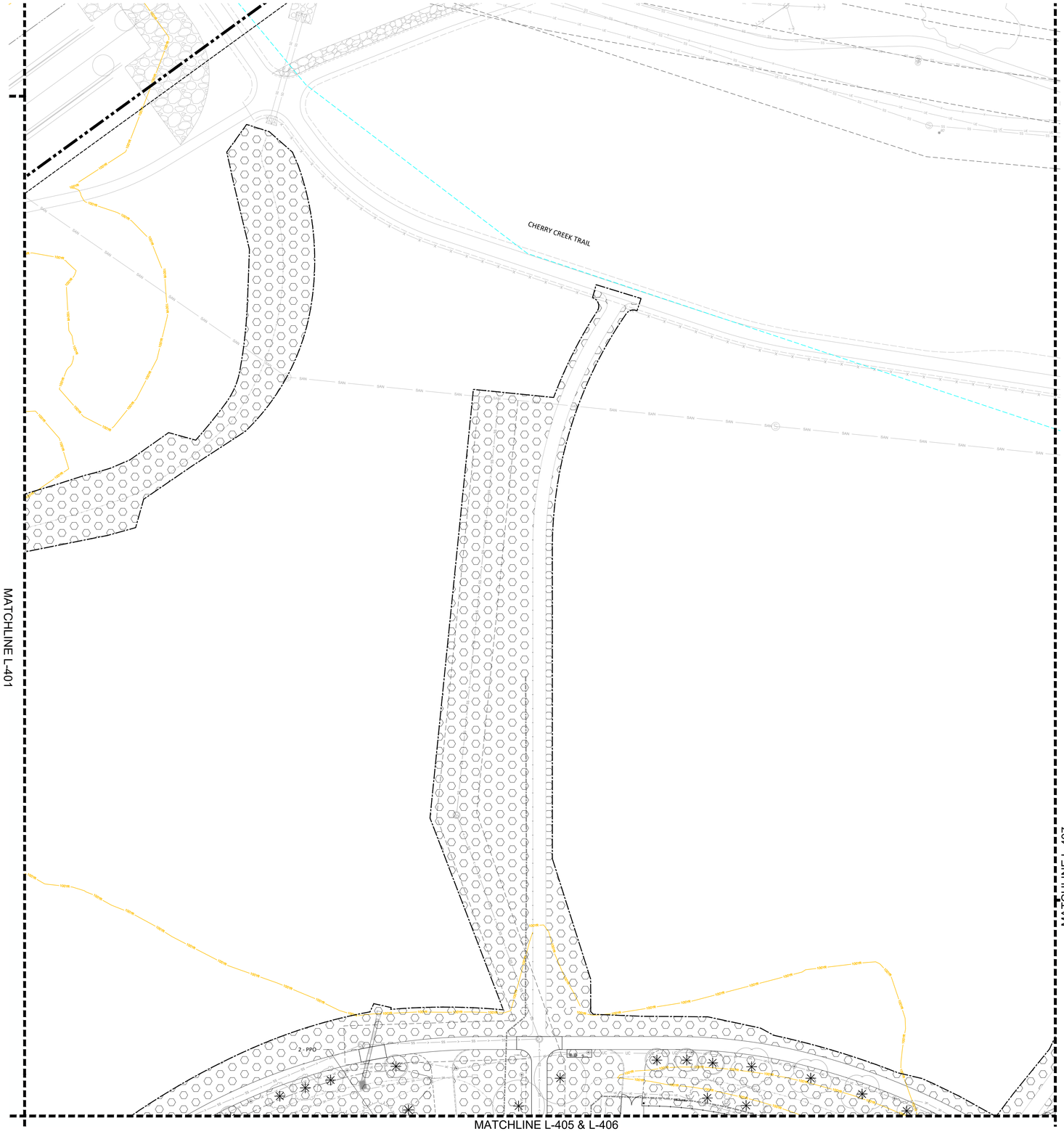
Drawing

SOILS PLAN ENLARGEMENT 2- ALTERNATE NO. 01

L-403

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- PROPOSED TREES
- EXISTING TREES TO REMAIN

A1 SOILS PLAN ENLARGEMENT 3
1" = 40'-0"

SCALE: 1" = 40'-0"
0' 20' 40' 80' 120'

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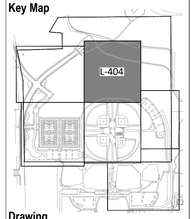
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Key Map



Drawing
SOILS PLAN ENLARGEMENT 3

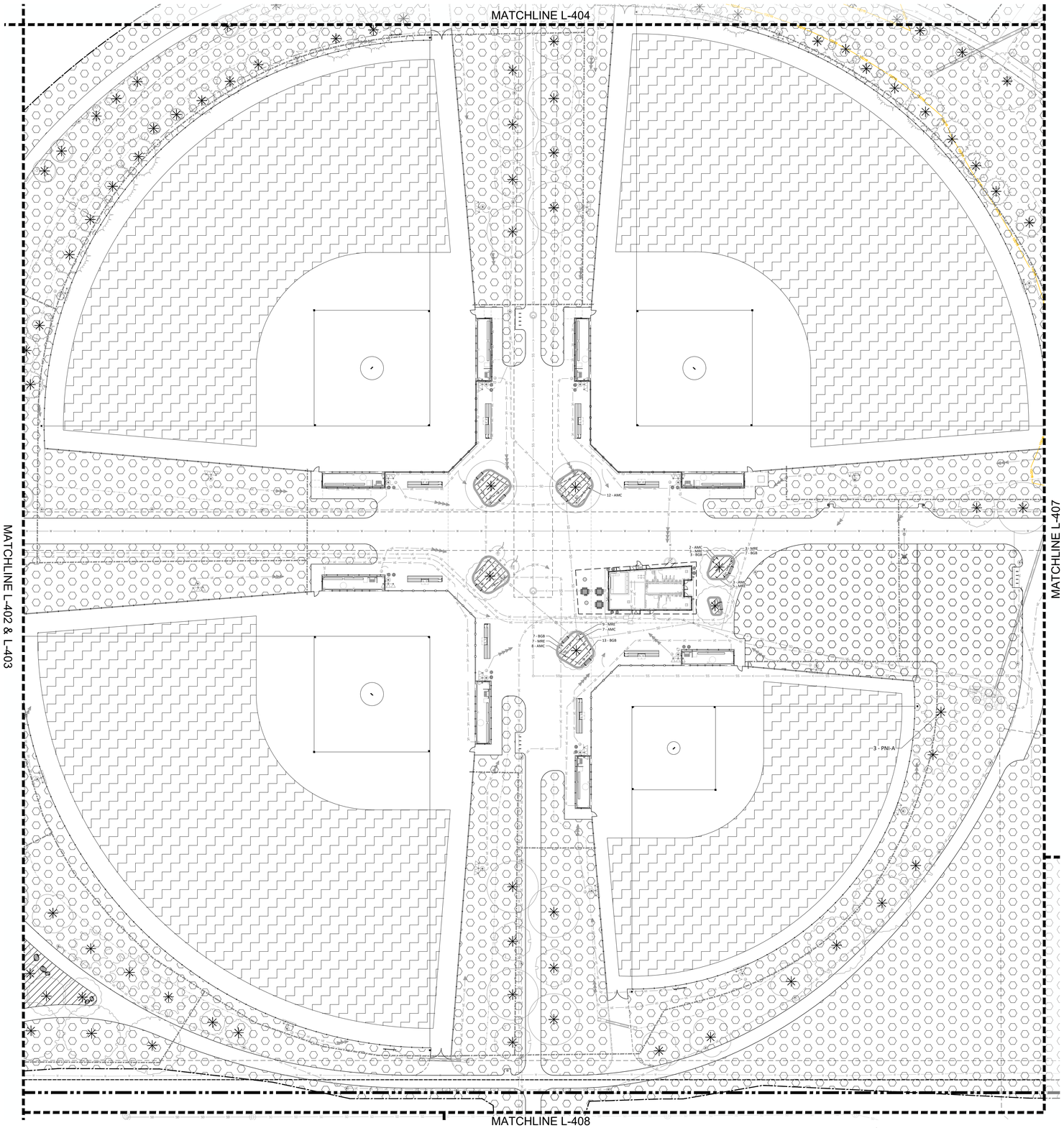
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Page 155 of 311

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- PROPOSED TREES
- EXISTING TREES TO REMAIN

A1 SOILS PLAN ENLARGEMENT 4- BASE BID

1" = 40'-0"

SCALE: 1" = 40'-0"

0' 20' 40' 80' 120'

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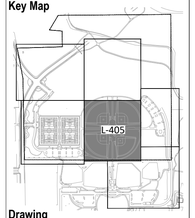
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Key Map



Drawing

SOILS PLAN ENLARGEMENT 4- BASE BID

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SITE PLAN SUBMITTAL
Page 156 of 311

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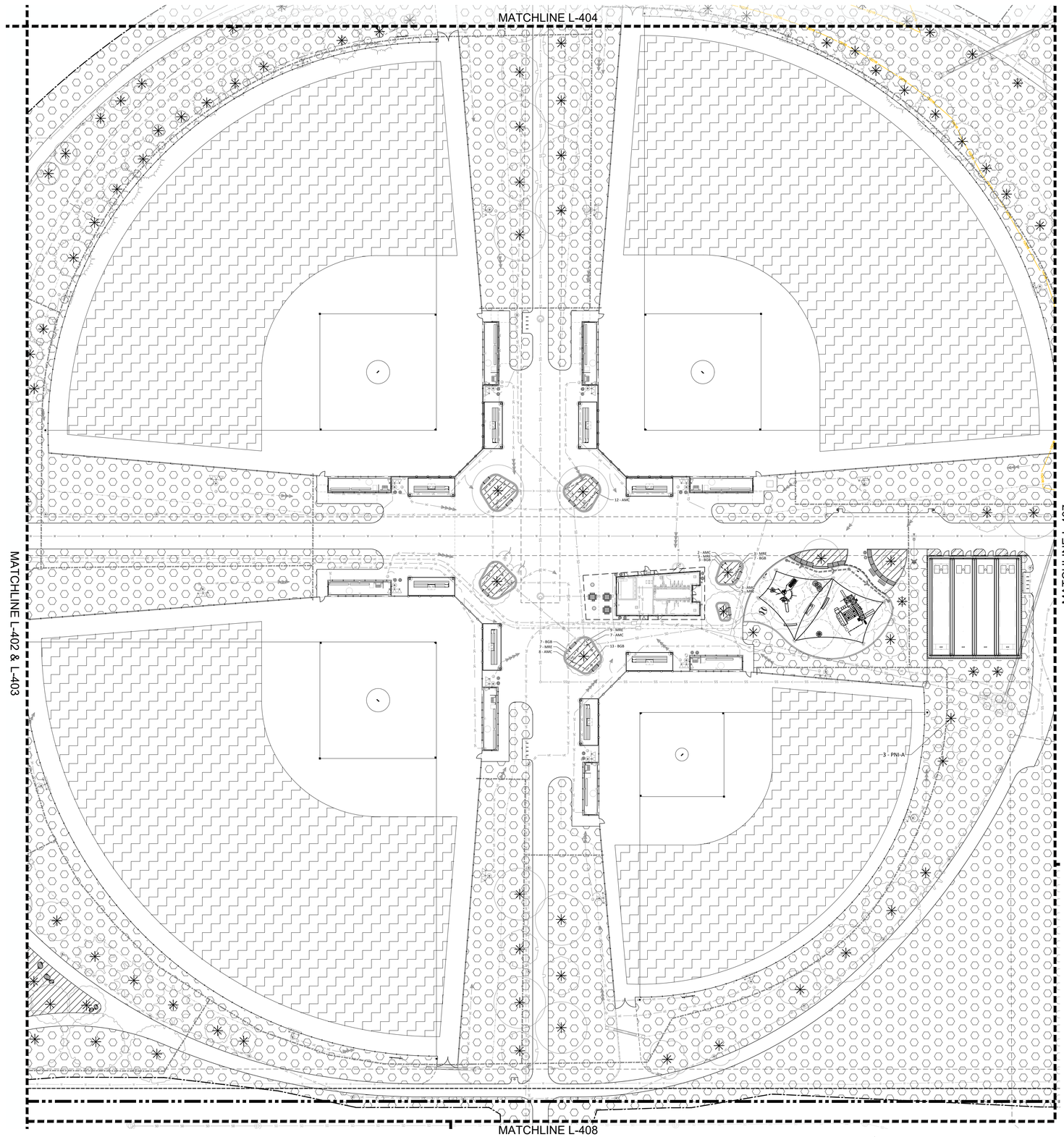
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1 2 3 4 5



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- PROPOSED TREES
- EXISTING TREES TO REMAIN

A1 SOILS PLAN ENLARGEMENT 4- ALTERNATES NO. 02, 03, 04

1" = 40'-0"

SCALE: 1" = 40'-0"

0' 20' 40' 80' 120'

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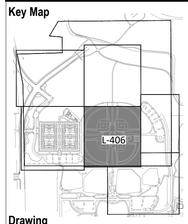
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Key Map



Drawing

SOILS PLAN ENLARGEMENT 4- ALTERNATES NO. 02, 03, 04

L-406

SITE PLAN SUBMITTAL
Page 157 of 311

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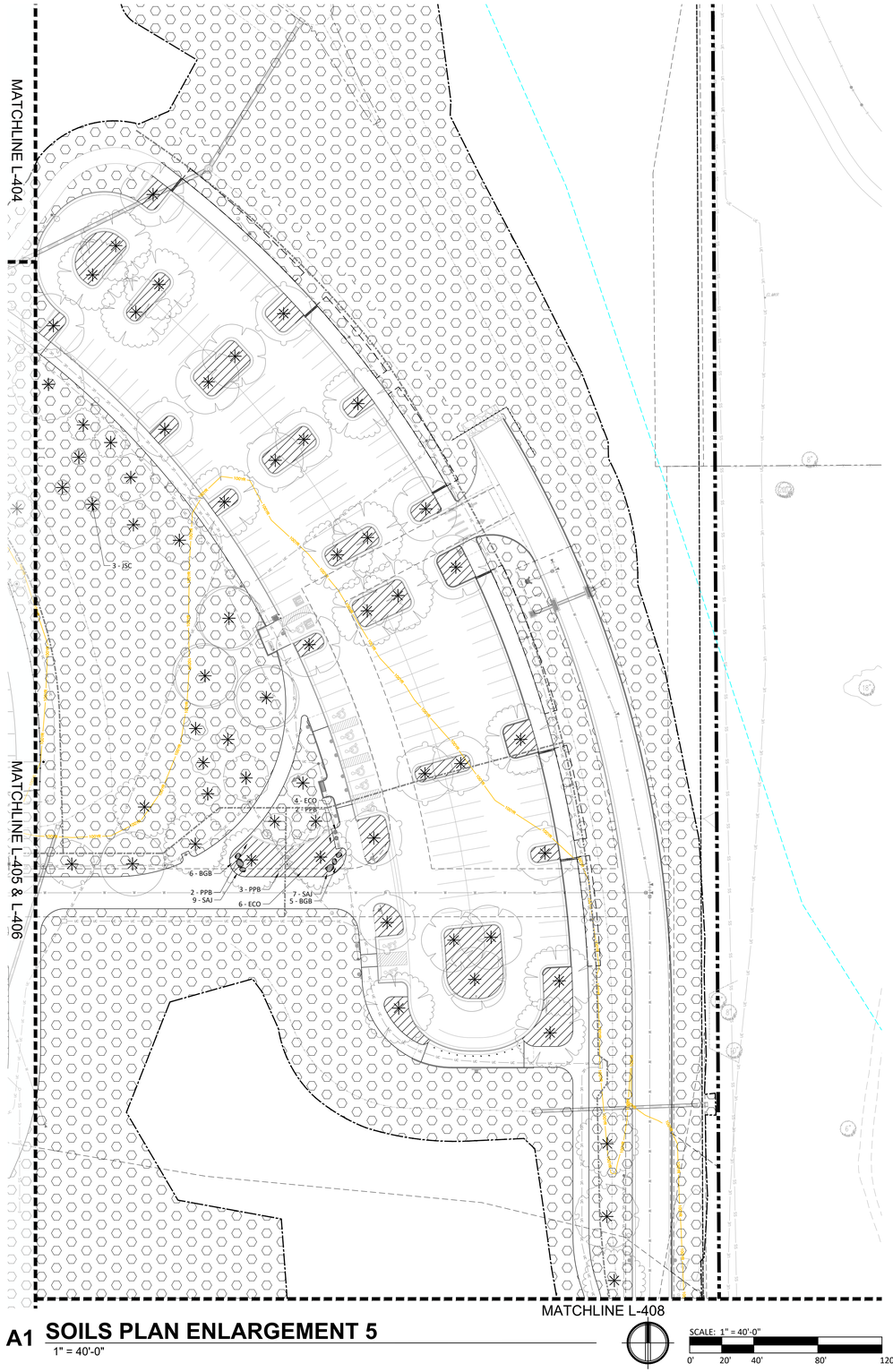
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D C B A

1 2 3 4 5



A1 SOILS PLAN ENLARGEMENT 5

1" = 40'-0"

SCALE: 1" = 40'-0"

0' 20' 40' 80' 120'

LEGEND

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- EXISTING TREES TO REMAIN

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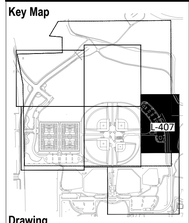
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Key Map



Drawing

SOILS PLAN ENLARGEMENT 5

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Page 158 of 311

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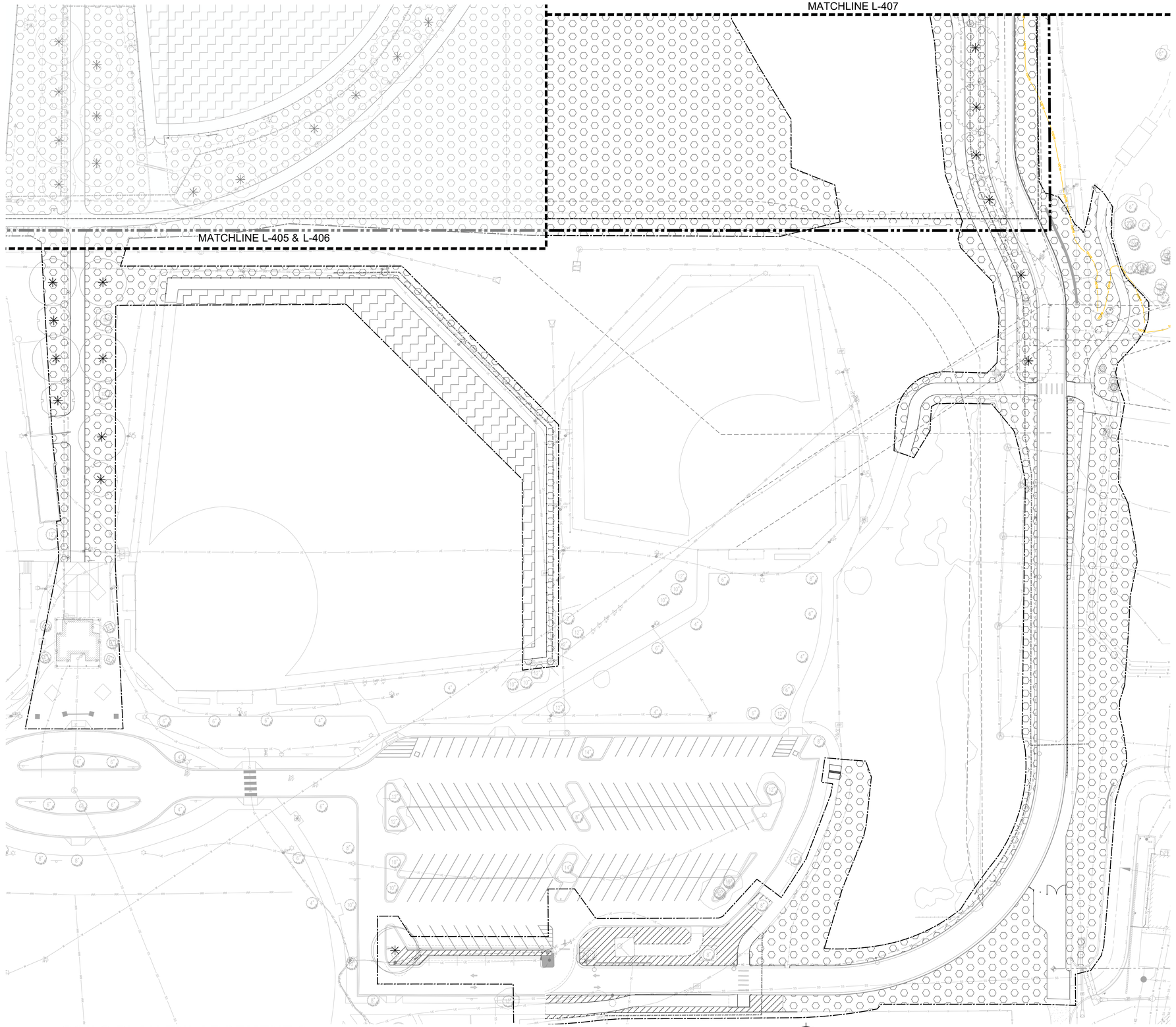
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LEGEND

- PROPERTY LINE
- MIN. 3X THE WIDTH AND DEPTH OF ROOTBALL (RE: PLANTING DETAILS), TYPICAL AT ALL TREES
- MIN 12" DEPTH PLANTING SOIL, TYPICAL AT ALL SHRUB AND PERENNIAL PLANTING AREAS
- MIN 6" DEPTH TOPSOIL, TYPICAL AT ALL SOD/SEED AREAS (NOT INCLUDING BALLFIELDS
- MIN 16" DEPTH TOPSOIL, TYPICAL AT ALL SOD AREAS IN BALLFIELDS
- PROPOSED TREES
- EXISTING TREES TO REMAIN

A1 SOILS PLAN ENLARGEMENT 6
1" = 40'-0"

SCALE: 1" = 40'-0"
0' 20' 40' 80' 120'

CALL 811 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR MARKING OF UNDERGROUND MEMBER UTILITIES

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LANDSCAPE ARCHITECT / ARCHITECT
1800 Wazee Street, Suite 450
Denver, CO 80202
p. 303.607.0977

CIVIL ENGINEER / STRUCTURAL ENGINEER
JVA Incorporated
1675 Larimer Street, #500
Denver, CO 80202
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ELECTRICAL ENGINEER
Ackerman Engineering, Inc.
3000 Youngfield Street, #264
Wheat Ridge, CO 80215
p. 303.278.7297

IRRIGATION
Avocet Irrigation
11757 W. Ken Caryl Ave., Suite F-509
Littleton, CO 80127
p. 303.986.2175

MECHANICAL ENGINEER
ENVISION Mechanical Engineers, Inc.
9717 Pyramid Court, #260
Englewood, CO 80112
p. 303.688.0223

Town of Parker
SALISBURY PARK NORTH - PHASE 1
11700 MOTSENBOCKER RD
PARKER, CO 80134

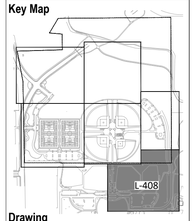
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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

	DATE	DESCRIPTION

Project Number:	223072.00
Sheet Issue Date:	2024-11-22
Drawn By:	EH, LW, ED, MS, AG
Checked By:	RB, CB, DD

Key Map



Drawing
SOILS PLAN ENLARGEMENT 6

L-408

SITE PLAN SUBMITTAL

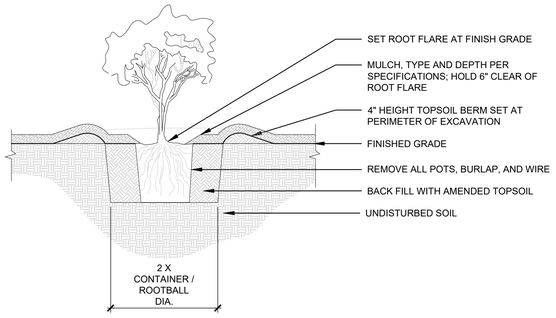
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A B C D

PLANTING NOTES

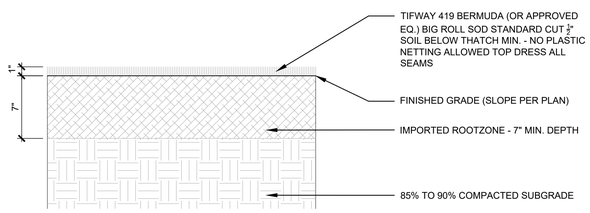
1. ALL EXISTING DEBRIS, I.E. CONCRETE, STONE, ETC. (SEE CIVIL DRAWINGS FOR DEMOLITION PLAN) TO BE CLEARED FROM THE SITE PRIOR TO NEW SOIL PREPARATION AND PLANTING OF NEW MATERIAL.
2. ALL PLANT MATERIALS SHALL BE IN ACCORDANCE WITH AAN SPECIFICATIONS FOR NUMBER ONE GRADE, SEE SPECIFICATIONS.
3. ALL PLANT AND LANDSCAPE MATERIAL IS SUBJECT OT APPROVAL BY THE TOWN OF PARKER PRIOR TO INSTALLATION.
4. CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT TO ANY SITE IMPROVEMENTS DISTURBED OR DAMAGED DUE TO THEIR OPERATIONS.
5. ALL NEW LANDSCAPE AREAS ARE TO BE WATERED WITH AN AUTOMATIC WATER CONSERVING IRRIGATION SYSTEM MEETING THE STANDARDS OF THE TOWN OF PARKER.
6. NEW TURF SHALL BE PER SPECIFICATIONS. FINAL SOD SHALL BE AT GRADE. PRIOR TO SODDING, GRADE SHALL BE 1 - 1/2" LOWER THAN ADJACENT PAVING GRADE.
7. ALL FINISHED GRADES SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION OF SOD OR ANY OTHER PLANT MATERIAL.
8. ALL PLANTING BEDS TO BE WOOD MULCH TO A DEPTH OF 2" UNLESS OTHERWISE INDICATED. SEE DRAWINGS FOR LOCATIONS, AND SPECIFICATIONS FOR MATERIALS. PLACE WOOD MULCH AROUND ALL NEW AND EXISTING TREES IN TURF AND SEED AREAS IN THE FORM OF A 5' DIA. CIRCLE. SAMPLE OF MULCH TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
9. ANY PLANT SUBSTITUTIONS ARE TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
10. SOIL AMENDMENTS AND TOPSOIL SHALL BE USED IN TURF AREAS AND PLANTING BEDS. REFER TO SPECIFICATIONS FOR DECOMPACTION OF SITE PRIOR TO LANDSCAPE INSTALLATION.
11. IF THERE IS A DISCREPANCY BETWEEN PLANT QUANTITIES ON PLANT LABELS AND PLANT SYMBOLS, PLAN TAKES PRECEDENCE. THE SUMMARY OF ALL OTHER QUANTITIES REPRESENTS AN APPROXIMATE QUANTITY ONLY AND MAY REQUIRE SOME ADJUSTMENT IN MATERIAL QUANTITY AT TIME OF CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR HIS/HER OWN CONSTRUCTION QUANTITY ESTIMATES.
12. CONTRACTOR SHALL COORDINATE IRRIGATION AND PLANTING WORK SUCH THAT INSTALLED IRRIGATION EQUIPMENT SHALL NOT CAUSE ADJUSTMENT OF PLANTING LOCATIONS CONTRARY TO THE PLANS. IF IRRIGATION EQUIPMENT IS INSTALLED IN LOCATIONS OBSTRUCTING THE INTENDED LOCATIONS OF PLANTINGS, THE IRRIGATION EQUIPMENT SHALL BE RELOCATED.
13. NEW TREES SHALL BE PLANTED A MINIMUM OF 8' FROM WALKS, PATHS, AND EDGES, UNLESS OTHERWISE DIRECTED BY LANDSCAPE ARCHITECT. NO TREES SHALL BE PLANTED ABOVE IRRIGATION LINES OR UNDERGROUND UTILITIES.
14. ALL TREES SHALL BE LOCATED A MINIMUM OF 5' OFF THE FLOWLINE OF THE CURB ON ALL PUBLIC STREETS, A MINIMUM OF 10' OFF ANY UTILITY.
15. ALL EXISTING LANDSCAPE, IRRIGATION EQUIPMENT, CONCRETE, OR FENCING ON OR OFF SITE DISTURBED BY CONSTRUCTION OPERATIONS SHALL BE REPAIRED AND RESTORED BY THE CONTRACTOR TO OWNER STANDARDS OR ORIGINAL CONDITION.
16. LOCATIONS FOR PLANTS SHALL BE VERIFIED AND STAKED ACCORDING TO PLANS. LANDSCAPE ARCHITECT SHALL BE NOTIFIED PRIOR TO PLANTING TO OBSERVE LOCATIONS.
17. CONTRACTOR SHALL HAND DIG ALL PLANTING PITS ADJACENT TO UTILITIES. IF UTILITIES ARE DAMAGED, REPAIRS SHALL BE MADE AT THE CONTRACTOR'S EXPENSE.
18. IF CONDITIONS DO NOT ALLOW STRICT CONFORMANCE TO THE NOTES, DETAILS AND SPECIFICATIONS, THE CONTRACTOR SHALL REQUEST APPROVAL FROM THE LANDSCAPE ARCHITECT BEFORE PERFORMING WORK IN AN ALTERNATIVE MANNER.
19. NO SUBSTANTIAL CHANGE FROM THE APPROVED LANDSCAPE PLAN MAY OCCUR WITHOUT PRIOR REVIEW OF THE PARKER WATER AND SANITATION DISTRICT, WHICH MAY REQUIRE ADDITIONAL IRRIGATION TAPS FOR CHANGES DUE TO MARE WATER INTENSIVE LANDSCAPING.



NOTES:
1. PRUNE ALL DAMAGED, DISEASED OR WEAK LIMBS.
2. CLEANLY PRUNE ALL DAMAGED ROOT ENDS.
3. DO NOT ALLOW ROOTS TO DRY OUT DURING INSTALLATION PROCESS.
4. DEEP WATER AFTER PLANTING.

C2 SHRUB PLANTING

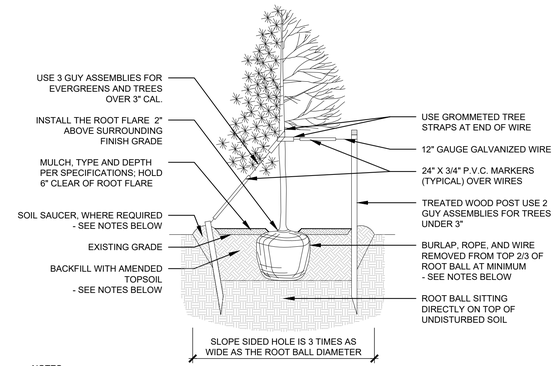
1/2" = 1'-0"



NOTES:
1. ROOT ZONE MIXES SHALL BE TESTED AND APPROVED AS AN ACCEPTABLE SPORTS ROOT ZONE FOR HYBRID BERMUDA TURF.
2. THIRD PARTY ROOT ZONE TESTING IS REQUIRED.
3. USGA ROOT ZONE MIXES ARE ACCEPTABLE BUT NOT REQUIRED.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE A ROOTZONE pH RANGE OF 6.0 TO 6.5
5. SPORT FIELD CONTRACTOR TESTING AGENT MAY MAKE RATIO RECOMMENDATIONS BASED ON TEST RESULTS.
6. SOD SHALL BE SAND BASED SIMILAR TO THE ROOTZONE MIX AND AGED 12 MONTHS OL MIN.
7. SOD SHALL BE CERTIFIED AND WEED/PEST FREE.

C4 NATURAL GRASS FIELD PROFILE

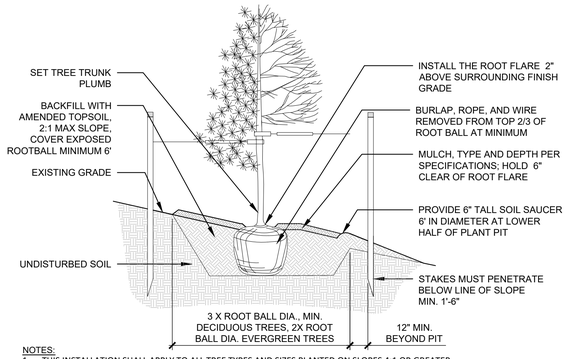
1-1/2" = 1'-0"



NOTES:
1. EXCAVATE PLANTING HOLES WITH SLOPING SIDES, MAKE EXCAVATIONS AT LEAST THREE TIMES AS WIDE AS THE ROOT BALL DIAMETER AND NO DEEPER THAN THE DISTANCE FROM THE TOP OF THE ROOT BALL TO ALLOW FOR SETTLING. DO NOT DISTURB SOIL AT BOTTOM OF PLANTING HOLES, BUT DO SCORE THE SIDES OF THE PLANTING HOLE. THE PLANTING AREA SHALL BE LOOSENED AND AERATED AT LEAST THREE TIMES THE DIAMETER OF THE ROOT BALL.
2. BACKFILL SHALL CONSIST OF APPROVED ON-SITE TOPSOIL BLENDED W/ COMPOST AMENDMENT. IF ON-SITE TOPSOILS ARE NOT APPROVED FOR USE, BACKFILL W/ IMPORTED TOPSOIL BLENDED WITH COMPOST AMENDMENT. REFER TO SPECIFICATION SECTION 329113 FOR ADDITIONAL INFORMATION.
3. TREES SHALL BE PLANTED WITH THE ROOT COLLAR/FLARE VISIBLE ABOVE GRADE AND TWO OR MORE STRUCTURAL ROOTS LOCATED WITHIN THE TOP 1" TO 2" OF THE ROOT BALL/FINISHED GRADE MEASURED 3" TO 4" FROM TRUNK. THIS INCLUDES TREES THAT ARE SET ON SLOPES (SEE SLOPE PLANTING DETAIL). TREES THAT DO NOT HAVE A VISIBLE ROOT COLLAR SHALL BE REJECTED. DO NOT COVER THE ROOT BALL WITH SOIL.
4. WHEN ROOT BALL WILL REMAIN INTACT, CUT OFF BOTTOM 1/4 OF WIRE BASKET BEFORE PLACING TREE IN HOLE. CUT OFF REMAINDER OF BASKET AFTER TREE IS SET IN HOLE, REMOVE BASKET COMPLETELY. AT A MINIMUM, THE TOP 2/3 OF THE BURLAP AND BASKET SHALL BE REMOVED FROM THE ROOT BALL ON ALL TREES. REMOVE ALL NYLON TIES, TWINE, ROPE AND BURLAP. REMOVE UNNECESSARY PACKING MATERIAL.
5. FORM SOIL INTO A 6" TALL WATERING RING (SAUCER) AROUND PLANTING AREA. THIS IS NOT NECESSARY IN IRRIGATED TURF AREAS. APPLY 4" DEPTH OF SPECIFIED MULCH OVER PLANTING AREA AND INSIDE SAUCERS. AWAY FROM TRUNK.
6. STAKING AND GUYING OF TREES IS OPTIONAL IN MOST PLANTING SITUATIONS. IN AREAS OF EXTREME WINDS, OR ON STEEP SLOPES, STAKING MAY BE REQUIRED TO STABILIZE TREES. STAKING AND GUYING MUST BE REMOVED WITHIN 1 YEAR OF PLANTING DATE.
7. TREE WRAP IS NOT TO BE USED ON ANY NEW PLANTINGS, EXCEPT IN LATE FALL PLANTING SITUATIONS, AND ONLY AFTER CONSULTATION WITH THE TOWN ARBORIST.
8. RESETTING OF IMPROPERLY PLANTED TREES WILL ONLY BE ALLOWED IF IT IS DETERMINED THAT DOING SO WILL IN NO WAY COMPROMISE THE ROOT BALL, AND SHALL ONLY BE DONE WITH APPROVAL OF THE TOWN ARBORIST.

A1 TREE PLANTING

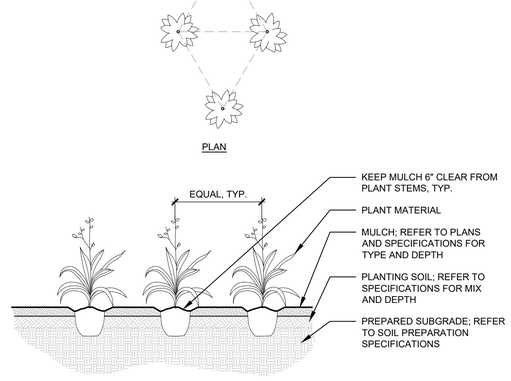
1/4" = 1'-0"



NOTES:
1. THIS INSTALLATION SHALL APPLY TO ALL TREE TYPES AND SIZES PLANTED ON SLOPES 4:1 OR GREATER.
2. EXCAVATE PLANTING HOLES WITH SLOPING SIDES, MAKE EXCAVATIONS AT LEAST THREE TIMES AS WIDE AS THE ROOT BALL DIAMETER AND NO DEEPER THAN THE DISTANCE FROM THE TOP OF THE ROOT BALL TO ALLOW FOR SETTLING. DO NOT DISTURB SOIL AT BOTTOM OF PLANTING HOLES, BUT DO SCORE THE SIDES OF THE PLANTING HOLE. THE PLANTING AREA SHALL BE LOOSENED AND AERATED AT LEAST THREE TIMES THE DIAMETER OF THE ROOT BALL.
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A2 TREE PLANTING ON SLOPE

1/4" = 1'-0"



NOTES:
1. WHEN BACKFILLING AROUND PLANTS, DO NOT ALLOW AIR POCKETS TO FORM.
2. AFTER PLANTING, WATER THOROUGHLY.

A4 PERENNIAL PLANTING

1/4" = 1'-0"

CALL 811 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR MARKING OF UNDERGROUND MEMBER UTILITIES

The Town of Parker review constitutes general compliance with the Town's Standards and approved variances, subject to these plans being stamped, signed, and dated by the professional engineer of record. Review by the Town does not constitute approval of the plan design or accuracy and correctness of engineering calculations. Errors in the design or calculations remain the responsibility of the registered professional engineer whose stamp and signature are affixed to this document.

This review does not constitute approval of any private on-site improvements which may be shown. Construction cannot commence until all required drainage/traffic report(s), final development plan(s), special review(s), grading permit, and/or other permits are complete, approved and on file with the Town of Parker.

Town of Parker, Director of Engineering — Date

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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

	DATE	DESCRIPTION

Project Number:	223072.00
Sheet Issue Date:	2024-11-22
Drawn By:	EH, LW, ED, MS, AG
Checked By:	RB, CB, DD

Key Map

Drawing

PLANTING DETAILS AND NOTES

L-409

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THE LINE SHOWN ABOVE IS 1" WHEN PLOTTED AT FULL SIZE. IF NOT, THIS SHEETS ORIGINAL PAGE SIZE

THE SQUARES ABOVE ARE COLOR, WITH BLACK AND WHITE PLOTTED. IF NOT, THIS SHEET IS NOT CORRECTLY PLOTTED

BASE BID PLANTING SCHEDULE

PLANT SCHEDULE

CODE	QTY	BOTANICAL / COMMON NAME	CONT	SIZE	YRS MATURE	EST. SIZE AT MATURITY	W
EVERGREEN TREES							
JSC	9	JUNIPERUS SCOPULORUM / ROCKY MOUNTAIN JUNIPER	B&B	10'HT AT BALLFIELDS		20'H X 10'W	X
PSC-A	12	PICEA PUNGENS / COLORADO SPRUCE	B&B	10'HT AT BALLFIELDS		60'H X 25'W	
PSC-B	7	PICEA PUNGENS / COLORADO SPRUCE	B&B	8` HT		60'H X 25'W	M
PFV	19	PINUS FLEXILIS 'VANDERWOLF'S PYRAMID' / VANDERWOLF'S PYRAMID LIMBER PINE	B&B	8` HT		25` H X 25` W	L
PNI-A	6	PINUS NIGRA / AUSTRIAN PINE	B&B	10'HT AT BALLFIELDS		50'H X 30'W	L
PNI-B	13	PINUS NIGRA / AUSTRIAN PINE	B&B	8` HT		50'H X 30'W	L
PPO	11	PINUS PONDEROSA / PONDEROSA PINE	B&B	10'HT AT BALLFIELDS		60` H X 40` W	L
DECIDUOUS TREES							
AMM	21	ACER MIYABEI 'MORTON' / STATE STREET™ MIYABE MAPLE	B&B	2.5" CAL	1 YEAR	30` H X 30` W	M
ASB	21	ACER SACCHARUM 'BAILSTA' / FALL FIESTA® SUGAR MAPLE	B&B	2.5" CAL		60` H X 40` W	M
CSP	9	CATALPA SPECIOSA / NORTHERN CATALPA	B&B	2.5" CAL		50'H X 30'W	L
COC	41	CELTIS OCCIDENTALIS / COMMON HACKBERRY	B&B	2.5" CAL		60` H X 40` W	L
GDM	22	GYMNOCLADUS DIOICUS 'MCKBRANCHED' / DECAF® KENTUCKY COFFEETREE	B&B	2.5" CAL		50` H X 40` W	L
QMA	13	QUERCUS MACROCARPA / BUR OAK	B&B	2.5" CAL		65` H X 45` W	L
QMU	24	QUERCUS MUEHLENBERGII / CHINKAPIN OAK	B&B	2.5" CAL		45'H X 45'W	L
QMC	17	QUERCUS X MACDANIELII 'CLEMONS' / HERITAGE® OAK	B&B	2.5" CAL		60` H X 40` W	M
SJA	22	SOPHORA JAPONICA / JAPANESE PAGODA TREE	B&B	2.5" CAL		50` H X 40` W	M
TAM	17	TILIA AMERICANA 'MCKSENTRY' / AMERICAN SENTRY® LINDEN	B&B	2.5" CAL		60` H X 40` W	M
TTG	14	TILIA TOMENTOSA 'PNI 6051' / GREEN MOUNTAIN® SILVER LINDEN	B&B	2.5" CAL		60` H X 40` W	M
UFR	16	ULMUS X 'FRONTIER' / FRONTIER ELM	B&B	2.5" CAL		30` H X 30` W	M
UAM	24	ULMUS X 'MORTON' / ACCOLADE™ ELM	B&B	2.5" CAL		60` H X 40` W	M
ORNAMENTAL TREES							
AGI	6	ACER GINNALA / AMUR MAPLE	B&B	2.0" CAL		20` H X 15` W	L
ATG	12	ACER TATARICUM 'GARANN' / HOT WINGS® TATARIAN MAPLE	B&B	2.0" CAL		20` H X 18` W	L
AGA	11	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE' / AUTUMN BRILLIANCE APPLE SERVICEBERRY	B&B	2.0" CAL		18'H X 15'W	L
CCA	5	CARPINUS CAROLINIANA / AMERICAN HORNBEAM	B&B	2.0" CAL		20'H X 30'W	M
CCI	17	CRATAEGUS CRUS-GALLI INERMIS / THORNLESS COCKSPUR HAWTHORN	B&B	2.0" CAL		25'H X 20'W	L
MSS	17	MALUS X 'SPRING SNOW' / SPRING SNOW CRABAPPLE	B&B	2.0" CAL		20` H X 20` W	M
SRE	8	SYRINGA RETICULATA / JAPANESE TREE LILAC	B&B	2.0" CAL		20` H X 18` W	L
DECIDUOUS SHRUBS							
AAL	49	AMELANCHIER ALNIFOLIA / SERVICEBERRY	#5 CONT			6` H X 6` W	X
AMC	45	AMORPHA NANA / DWARF FALSE INDIGO	#5 CONT			2` H X 2` W	X
ACP	108	ARCTOSTAPHYLOS X COLORADENSIS 'PANCHITO' / PANCHITO MANZANITA	#5 CONT			2` H X 5` W	L
CCB	101	CARYOPTERIS X CLANDONENSIS 'BLUE MIST' / BLUE MIST BLUEBEARD	#5 CONT			4'H X 3'W	L
CMI	11	CHAMAEBATIARIA MILLEFOLIUM / FERNBUSH	#5 CONT			5'H X 6'W	X
ENN	21	ERICAMERIA NAUSEOSA / RABBITBRUSH	#5 CONT			6` H X 6` W	X
PFD	32	POTENTILLA FRUTICOSA 'FARGO' / DAKOTA SUNSPOT® POTENTILLA	#5 CONT			3` H X 3` W	M
PPB	323	PRUNUS PUMILA BESSEYI 'P011S' / PAWNEE BUTTES® SAND CHERRY	#5 CONT			1.5` H X 5` W	L
RTR	26	RHUS TRILOBATA / THREE LEAF SUMAC	#5 CONT			6` H X 6` W	X
RTA	225	RHUS TRILOBATA 'AUTUMN AMBER' / AUTUMN AMBER SUMAC	#5 CONT			1` H X 6` W	X
RAU	46	RIBES ALPINUM / GOLDEN CURRANT	#5 CONT			6` H X 6` W	L
RAM	20	RIBES ALPINUM 'GREEN MOUND' / GREEN MOUND ALPINE CURRANT	#5 CONT			4'H X 3'W	L
EVERGREEN SHRUBS							
ECO	27	EUONYMUS COLORATUS / PURPLE WINTERCREEPER	#5 CONT			1` H X 6` W	L
JCG	390	JUNIPERUS COMMUNIS 'GREEN CARPET' / GREEN CARPET COMMON JUNIPER	#5 CONT			6"H X 5'W	L
JHB	296	JUNIPERUS HORIZONTALIS 'BLUE CHIP' / BLUE CHIP CREEPING JUNIPER	#5 CONT			6" H X 7` W	L
MRE	315	MAHONIA REPENS / CREEPING MAHONIA	#5 CONT			1.5'H X 1.5'W	L
PMP	18	PINUS MUGO 'PUMILIO' / DWARF MUGO PINE	#5 CONT			4' H X 10' W	L
PSH	28	PINUS SYLVESTRIS 'HILLSIDE CREEPER' / HILLSIDE CREEPER SCOTCH PINE	#5 CONT	-		3' H X 8' H	L
ORNAMENTAL GRASSES							
BGB	141	BOUTELOUA GRACILIS 'BLONDE AMBITION' / BLONDE AMBITION BLUE GRAMA	#1 CONT			2.5'H X 2' W	X
PVS	73	PANICUM VIRGATUM 'SHENANDOAH' / SHENANDOAH SWITCH GRASS	#1 CONT			3` H X 2` W	L
PAH	15	PENNISETUM ALOPECUROIDES 'HAMELN' / HAMELN FOUNTAIN GRASS	#1 CONT			2` H X 1.5` W	L
PERENNIALS							
AMI	7	ACHILLEA MILLEFOLIUM / COMMON WHITE YARROW	#1 CONT			2` H X 2` W	X
ACM	3	ACHILLEA X 'MOONSHINE' / MOONSHINE YARROW	#1 CONT			2'H X 2'W	L
ACS	7	AGASTACHE CANA 'SONORAN SUNSET' / SONORAN SUNSET HYSSOP	#1 CONT			1` H X 1.5` W	X
DIC	22	DIASCIA INTEGERRIMA 'P009S' / CORAL CANYON® TWINSPUR	#1 CONT			1` H X 1.5` W	X
EPU	10	ECHINACEA PURPUREA / CONEFLOWER	#1 CONT			3` H X 2` W	L
ETE	6	ECHINACEA TENNESSEENSIS / TENNESSEE CONEFLOWER	#1 CONT			2.5'H X 2' W	L
GAR	9	GAILLARDIA ARISTATA / BLANKET FLOWER	#1 CONT			2` H X 2` W	L
LPU	22	LIATRIS PUNCTATA / NATIVE GAYFEATHER	#1 CONT			1.5'H X 1'W	X
PST	18	PENSTEMON STRICTUS / ROCKY MOUNTAIN PENSTEMON	#1 CONT			2` H X 1.5` W	L
PMP	21	PENSTEMON X MEXICALI 'P007S' / PIKES PEAK PURPLE® PENSTEMON	#1 CONT			1.5'H X 1'W	L
SAJ	40	SEDUM X 'AUTUMN JOY' / AUTUMN JOY SEDUM	#1 CONT			2` H X 1.5` W	L

ALTERNATES PLANTING SCHEDULE

CODE	QTY	BOTANICAL / COMMON NAME	CONT	SIZE	EST. SIZE AT MATURITY	WATER USE
DECIDUOUS TREES						
AMM	1	ACER MIYABEI 'MORTON' / STATE STREET™ MIYABE MAPLE	B&B	2.5" CAL	30` H X 30` W	MEDIUM
ASB	3	ACER SACCHARUM 'BAILSTA' / FALL FIESTA® SUGAR MAPLE	B&B	2.5" CAL	60` H X 40` W	MEDIUM
GDM	2	GYMNOCLADUS DIOICUS 'MCKBRANCHED' / DECAF® KENTUCKY COFFEETREE	B&B	2.5" CAL	50` H X 40` W	LOW
SJA	5	SOPHORA JAPONICA / JAPANESE PAGODA TREE	B&B	2.5" CAL	50` H X 40` W	MEDIUM
ORNAMENTAL TREES						
AGA	5	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE' / AUTUMN BRILLIANCE APPLE SERVICEBERRY	B&B	2.0" CAL	18'H X 15'W	LOW
MSS	3	MALUS X 'SPRING SNOW' / SPRING SNOW CRABAPPLE	B&B	2.0" CAL	20` H X 20` W	MEDIUM
DECIDUOUS SHRUBS						
AAL	4	AMELANCHIER ALNIFOLIA / SERVICEBERRY	#5 CONT		6` H X 6` W	XERIC
AMC	13	AMORPHA NANA / DWARF FALSE INDIGO	#5 CONT		2` H X 2` W	XERIC
ACP	8	ARCTOSTAPHYLOS X COLORADENSIS 'PANCHITO' / PANCHITO MANZANITA	#5 CONT		2` H X 5` W	LOW
DBC	37	DAPHNE X BURKWOODII 'CAROL MACKIE' / CAROL MACKIE DAPHNE	#5 CONT		3` H X 4` W	MEDIUM
PFD	50	POTENTILLA FRUTICOSA 'FARGO' / DAKOTA SUNSPOT® POTENTILLA	#5 CONT		3` H X 3` W	MEDIUM
RAM	26	RIBES ALPINUM 'GREEN MOUND' / GREEN MOUND ALPINE CURRANT	#5 CONT		4'H X 3'W	LOW
VON	83	VIBURNUM OPULUS 'NANUM' / DWARF EUROPEAN CRANBERRYBUSH	#5 CONT		2'H X 2'W	MEDIUM
EVERGREEN SHRUBS						
ECO	24	EUONYMUS COLORATUS / PURPLE WINTERCREEPER	#5 CONT		1` H X 6` W	LOW
MRE	140	MAHONIA REPENS / CREEPING MAHONIA	#5 CONT		1.5'H X 1.5'W	LOW
PMP	8	PINUS MUGO 'PUMILIO' / DWARF MUGO PINE	#5 CONT		4' H X 10' W	LOW
PSH	13	PINUS SYLVESTRIS 'HILLSIDE CREEPER' / HILLSIDE CREEPER SCOTCH PINE	#5 CONT	-	3' H X 8' H	LOW
ORNAMENTAL GRASSES						
CAB	73	CALAMAGROSTIS BRACHYTRICHA / KOREAN FEATHER REED GRASS	#1 CONT		4'H X 3'W	MEDIUM

NOTE:
1. PLANT SCHEDULE FOR REVIEW. FINAL PLANTING DESIGN WILL BE PROVIDED DURING CONSTRUCTION DOCUMENTS.

SEED MIX SCHEDULES

WATER QUALITY/DETENTION SEED MIX

BOTANIC NAME	COMMON NAME	VARIETY	PLS lbs/ac
GRAMINOIDS			
Carex pellita	Woolly Sedge	CO Ecotype (or VNS)	2.0937
Distichlis spicata	Inland Saltgrass	CO Ecotype (or VNS)	0.6383
Eleocharis palustris	Creeping Spikerush	CO Ecotype (or VNS)	0.6323
Elymus canadensis	Canada Wildrye	Mandan	1.7045
Bouteloua gracilis	Blue Grama	Bad River	0.2376
Elymus lanceolatus ssp. psammophilus	Streambank Wheatgrass	Sodar	3.3508
Juncus arcticus	Baltic Rush/Arctic Rush	CO Ecotype (or VNS)	0.0480
Juncus torreyii	Torrey's Rush	CO Ecotype (or VNS)	0.0212
Nassella viridula	Green Needlegrass	CO Ecotype (or VNS)	1.4440
Panicum virgatum	Switchgrass	CO Ecotype (or VNS)	2.0156
Pascopyrum smithii	Western Wheatgrass	Arriba	3.5640
Poa palustris	Fowl Bluegrass	CO Ecotype (or VNS)	0.0414
Schoenoplectus tabernaemontani	Softstem Bulrush	CO Ecotype (or VNS)	0.9504
Sorghastrum nutans	Yellow Indiangrass	Holt	1.1531
Spartina pectinata	Prairie Cordgrass	CO Ecotype (or VNS)	2.6534
FORBS			
Asclepias incarnata	Swamp Milkweed	CO Ecotype (or VNS)	0.8508
Helianthus nuttalii	Nuttall's Sunflower	CO Ecotype (or VNS)	0.3011
Cleome serrulata	Rocky Mountain Beeplant	CO Ecotype (or VNS)	0.9915
		TOTAL	**1'-10 11/16"**

* Halve rate for drill seeding.

POLLINATOR SEED MIX

BOTANIC NAME	COMMON NAME	VARIETY	PLS lbs/ac
GRAMINOIDS			
Achnatherum hymenoides	Indian Ricegrass	Rimrock	1.1100
Bouteloua curtipendula	Sideoats Grama	Vaughn, Butte	2.7400
Bouteloua gracilis	Blue Grama	Bad River, Alma	0.9500
Buchloe dactyloides	Buffalograss	Cody	4.6700
Calamovilfa longifolia	Prairie sandreed	Goshen	0.7700
Elymus lanceolatus ssp. lanceolatus	Thickspike Wheatgrass	Bannock II	1.3400
Elymus trachycaulus	Slender Wheatgrass	San Luis	1.3200
Hesperostipa comata ssp. comata	Needle and Thread Grass	CO Ecotype (or VNS)	2.2700
Hilaria jamesii	Galleta Grass	Viva	0.9900
Nassella viridula	Green Needlegrass	Lodorm or Cucharas	1.4400
Panicum virgatum	Switchgrass	Blackwell	0.5400
Pascopyrum smithii	Western Wheatgrass	Arriba	4.7500
Schizachyrium scoparium	Little Bluestem	CO Ecotype (or VNS)	1.2100
Sorghastrum nutans	Yellow Indiangrass	CO Ecotype (or VNS)	1.2300
Sporobolus cryptandrus	Sand Dropseed	CO Ecotype (or VNS)	0.1000
FORBS			
Achillea millefolium var. occidentalis	Western Yarrow	CO Ecotype (or VNS)	0.1000
Artemisia frigida	Fringed Sage	CO Ecotype (or VNS)	0.1000
Artemisia ludoviciana	Prairie SAge	CO Ecotype (or VNS)	0.1000
Cleome serrulata	Rocky Mountain Beeplant	CO Ecotype (or VNS)	1.5900
Coreopsis tinctoria	Plains Coreopsis	CO Ecotype (or VNS)	0.0400
Dalea purpurea	Purple Prairie Clover	CO Ecotype (or VNS)	0.2500
Gaillardia aristata	Blanketflower	CO Ecotype (or VNS)	0.7900
Heterotheca villosa	Hairy False Goldenaster	CO Ecotype (or VNS)	0.1100
Liatris punctata	Dotted Gayfeather	CO Ecotype (or VNS)	0.3700
Linum lewisii	Blue Flax	CO Ecotype (or VNS)	0.3100
Machaeranthera bigelovii vs. bigelovii	Plains Aster	CO Ecotype (or VNS)	0.0300
Penstemon strictus	Rocky Mountain Penstemon	CO Ecotype (or VNS)	0.0900
Ratibida columnifera	Prairie Coneflower	CO Ecotype (or VNS)	0.0700
Sphaeralcea coccinea	Scarlet Globemallow	CO Ecotype (or VNS)	0.1000
SHRUBS			
Ericameria nauseosa	Rubber Rabbitbrush	CO Ecotype (or VNS)	0.1300
Yucca glauca	Soapweed Yucca	CO Ecotype (or VNS)	2.3000
		TOTAL	**2'-7 29/32"**

* Halve rate for drill seeding.

NATIVE SEED MIX

BOTANIC NAME	COMMON NAME	VARIETY	PLS lbs/ac
GRAMINOIDS			
Achnatherum hymenoides	Indian Ricegrass	Rimrock	1.8500
Bouteloua curtipendula	Sideoats Grama	Vaughn, Butte	2.4600
Bouteloua gracilis	Blue Grama	Lovington, Bad River, Alma	1.2700
Buchloe dactyloides	Buffalograss	Cody	8.4000
Elymus lanceolatus ssp. lanceolatus	Thickspike Wheatgrass	Bannock II	1.3400
Elymus trachycaulus	Slender Wheatgrass	San Luis	1.3200
Koeleria macrantha	Prairie Junegrass	CO Ecotype (or VNS)	0.1100
Hilaria jamesii	Galleta Grass	Viva	1.6400
Nassella viridula	Green Needlegrass	Lodorm or Cucharas	1.4400
Pascopyrum smithii	Western Wheatgrass	Arriba	4.7500
Sporobolus airoides	Alkali Sacaton	CO Ecotype (or VNS)	0.3300
Sporobolus cryptandrus	Sand Dropseed	CO Ecotype (or VNS)	0.1000
FORBS			
Achillea millefolium var. occidentalis	Western Yarrow	CO Ecotype (or VNS)	0.1000
Artemisia frigida	Fringed Safe	CO Ecotype (or VNS)	0.1000
Dalea purpurea	Purple Prairie Clover	CO Ecotype (or VNS)	0.2500
Gaillardia aristata	Blanketflower	CO Ecotype (or VNS)	0.4000
Linum lewisii	Blue Flax	CO Ecotype (or VNS)	0.3100
Penstemon strictus	Rocky Mountain Penstemon	CO Ecotype (or VNS)	0.0900
Sphaeralcea coccinea	Scarlet globemallow	CO Ecotype (or VNS)	0.1000
		TOTAL	**2'-2 3/8"**

* Halve rate for drill seeding.

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SALISBURY PARK NORTH - PHASE 1
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ARCHITECTURE

LANDSCAPE ARCHITECTURE

PLANNING

INTERIOR DESIGN

	DATE	DESCRIPTION

Project Number: 223072.00
Sheet Issue Date: 2024-11-22
Drawn By: EH, LW, ED, MS, AG
Checked By: RB, CB, DD

Key Map

Drawing

PLANTING SCHEDULE

L-410

SITE PLAN SUBMITTAL
Page 161 of 311

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TOWN OF PARKER LANDSCAPE REQUIREMENTS

LANDSCAPE REQUIREMENTS (PHASE 1)

A. LANDSCAPE AREA

	NET SITE AREA:	REQUIRED (15%)	*NET SITE AREA ADJUSTED TO EXCLUDE PARKING, ROW, AND PERIMETER LANDSCAPE BUFFERS
Base Bid	1,813,009	271,951	
Alternate No.01	1,849,295	277,394	
Alternate No.03	1,813,009	271,951	

	15% OF SITE	TREE REQUIREMENT (1/1,500 S.F.)			SHRUB REQUIREMENT (5/1,500 L.F.)		
		REQUIRED	PROVIDED	SURPLUS	REQUIRED	PROVIDED	SURPLUS
Base Bid	271,951	181	229	48	907	1,449*	542*
Alternate No.01	277,394	185	244	59	925	1,954**	1,029**
Alternate No.03	271,951	181	234	53	907	1,534***	627***

*With 48 surplus trees equaling 480 shrubs we meet the requirements.

**Includes the 59 surplus trees equaling 590 shrubs

***With 53 surplus trees equaling 530 shrubs we exceed the shrub requirements

NOTE: Alternate No. 02 and 04 do not include additional site area or planting.

B. STREETSCAPE LANDSCAPE

LOCATION:	LENGTH (LF)	TREE REQUIREMENT (1/40 L.F.)				
		REQUIRED	PROVIDED	SHRUBS	TREE EQUIVELANT (10/1)	SURPLUS
DRANSFELDT RD. (NORTH)	858	22	20	130	13	11
DRANSFELDT RD. (SOUTH)	724	18	13	230	23	0
MOTSENBOCKER RD. (NORTH)	326	8	6	20	2	0
MOTSENBOCKER RD. (SOUTH)	211	5	3	20	2	0

C. LANDSCAPE PERIMETER (ENHANCED)

LOCATION:	LENGTH (LF)	TREE REQUIREMENT (1/20 L.F.) (50% EVERGREEN)			SHRUB REQUIREMENT (5/20 L.F.)		
		REQUIRED	PROVIDED	SURPLUS	REQUIRED	PROVIDED	SURPLUS
WEST PROPERTY LINE / DRANSFELDT RD.	1060	53	32 DECIDUOUS, 27 EVERGREEN	6	265	321*	56*
SOUTH PROPERTY LINE	450	23	11 DECIDUOUS, 12 EVERGREEN	0	115	128	13

*includes Ornamental Grass subsitutions for (1) #5 Container shrub equals (3) #1 container Ornamental Grass and 6 surplus trees equaling 60 shrubs

D. PARKING ISLANDS

LOCATION:	REQUIRED ISLANDS	TREE REQUIREMENT (1 per 162SF Island)		SHRUB REQUIREMENT (5 per 162SF Island)			
		REQUIRED	PROVIDED	SURPLUS	REQUIRED	PROVIDED	SURPLUS
WEST PARKING LOT	2	2	2	0	10	10	0
SOUTH PARKING LOT	28	28	28	0	140	193	53
EAST PARKING LOT	31	31	31	0	155	218	63

EVERGREEN TREE PLANTING REQUIREMENT

MINUMUM NUMBER OF EVERGREEN TREES		
25%		
NUMBER OF TREES	REQUIRED	PROVIDED
414	103.5	77

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COLORADO 811

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Key Map

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TOWN OF PARKER LANDSCAPE REQUIREMENTS

L-411

SITE PLAN SUBMITTAL

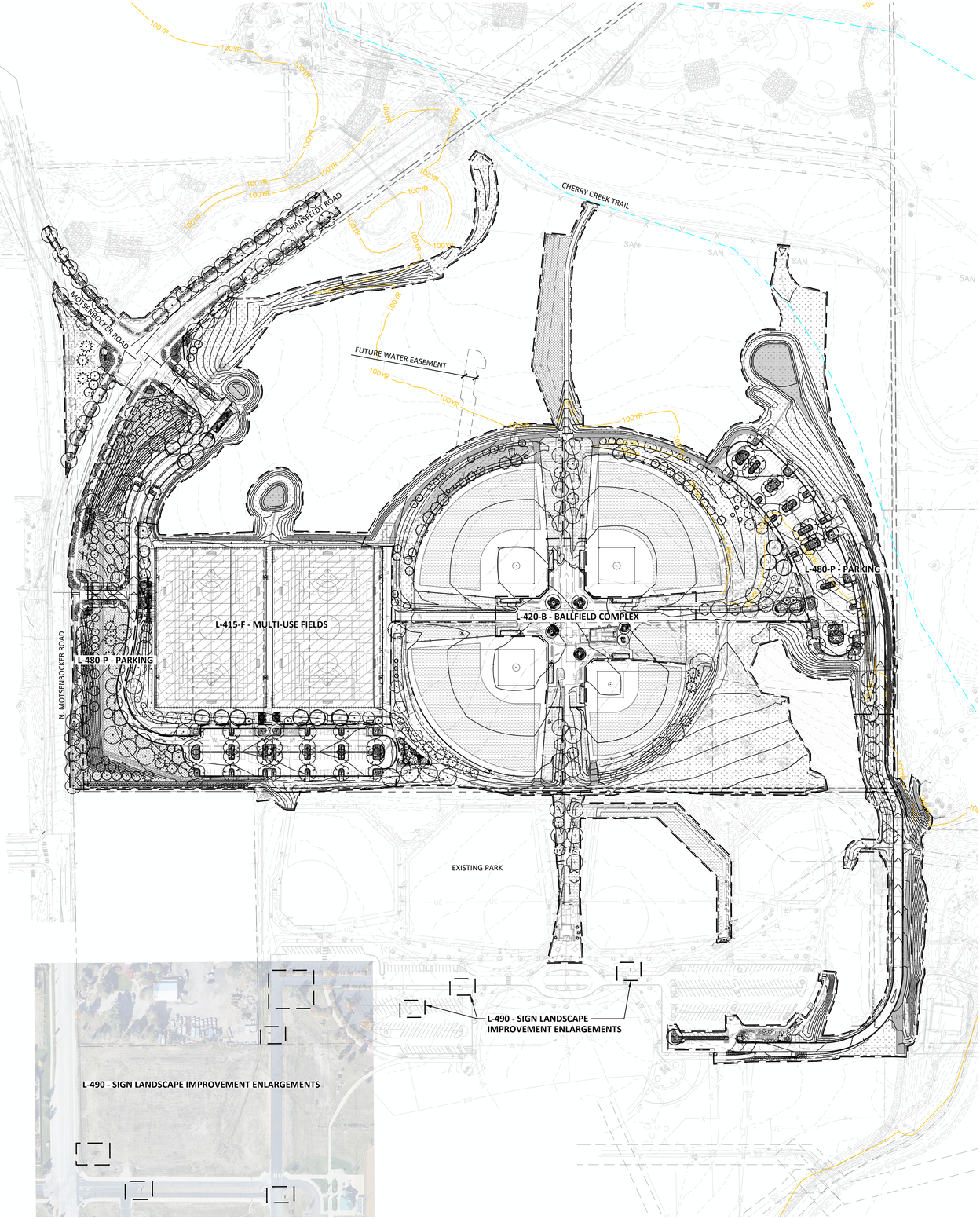
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A1 OVERALL PLANTING PLAN- BASE BID

1" = 140'-0"

SCALE: 1" = 140'-0"

0' 70' 140' 280' 420'

PLANTING NOTES

1. REFER TO SHEETS L-409 AND L-410 FOR PLANTING NOTES, DETAILS AND SCHEDULE.
2. REFER TO L-200'S SHEETS FOR PLANTING BED MULCH MATERIALS.

LEGEND

- PROPERTY LINE
- LIMIT OF DISTURBANCE
- FLOODWAY
- 100YR — PROPOSED PARK 100-YEAR FLOODPLAIN
- 5846 — EXISTING CONTOUR
- 48 — PROPOSED CONTOUR
- SOD
- WATER QUALITY SEED MIX
- NATIVE SEED MIX
- NATIVE POLLINATOR SEED MIX
- EXISTING DECIDUOUS TREE TO REMAIN
- EXISTING EVERGREEN TREE TO REMAIN
- PROPOSED DECIDUOUS TREE
- PROPOSED ORNAMENTAL TREE
- PROPOSED EVERGREEN TREE
- PROPOSED PLANTING AREAS

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OVERALL PLANTING PLAN- BASE BID

L-412

SITE PLAN SUBMITTAL
Page 163 of 311

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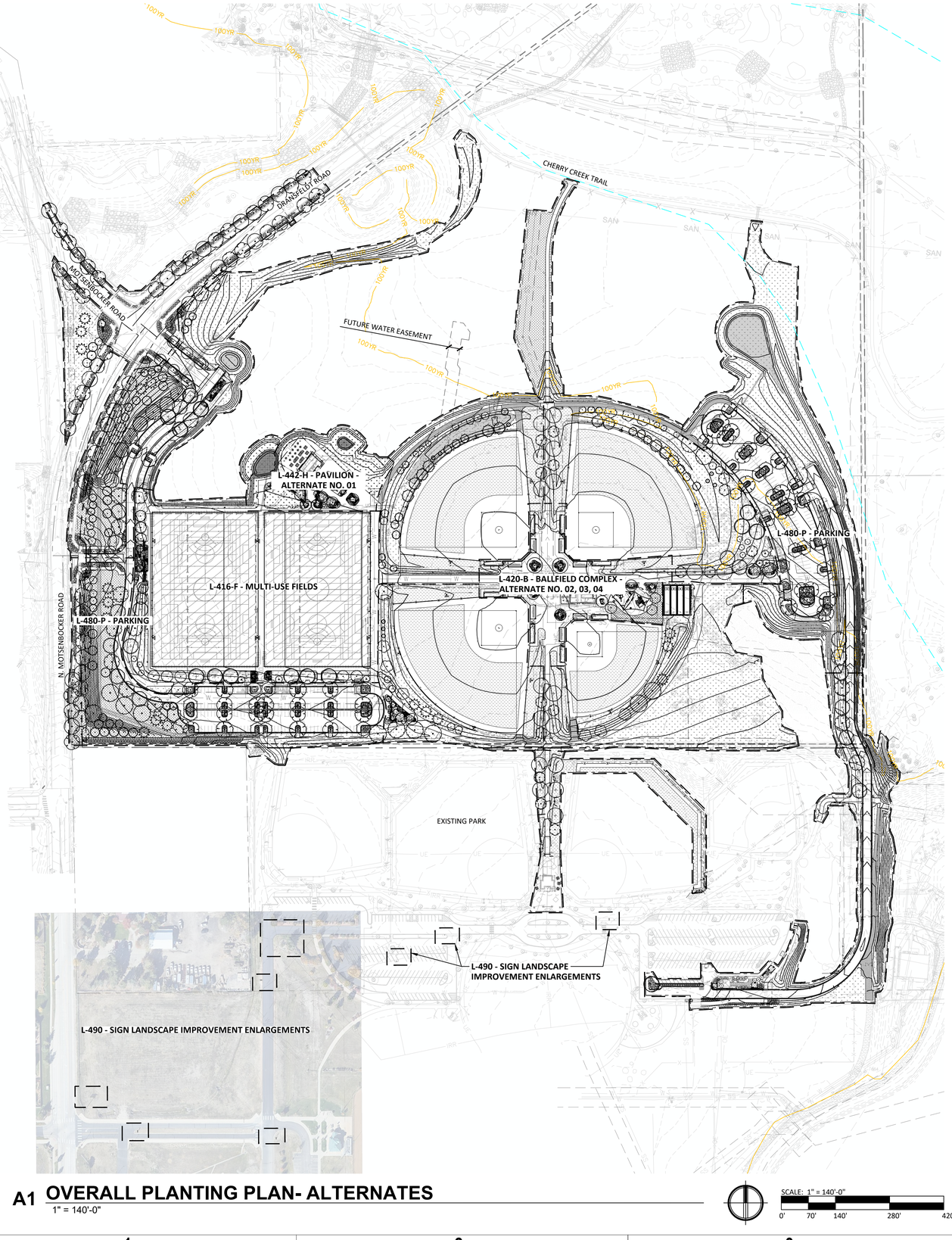
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OVERALL PLANTING PLAN- ALTERNATES

L-413

SITE PLAN SUBMITTAL
Page 164 of 311

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PLANTING SCHEDULE

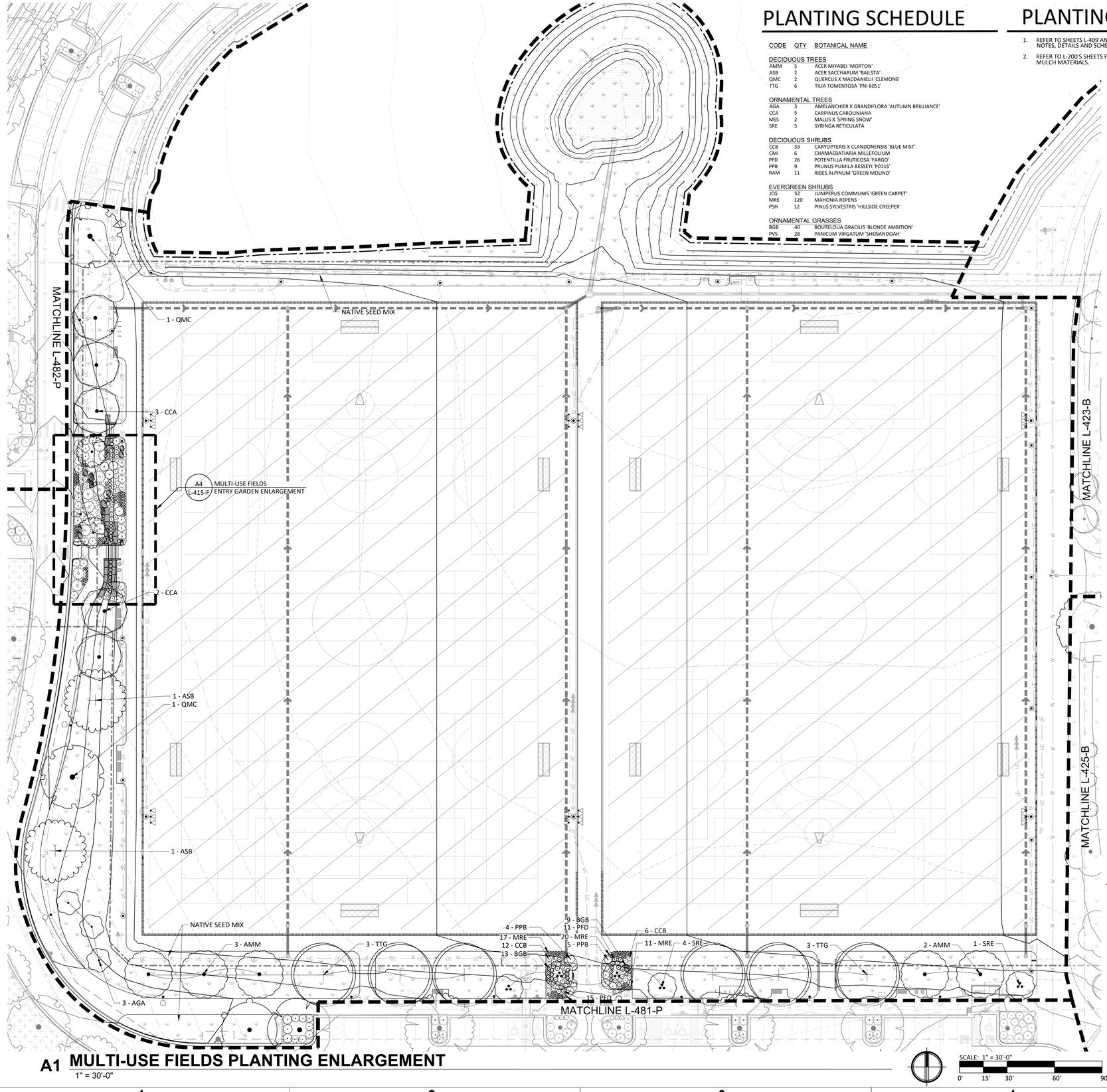
CODE	QTY	BOTANICAL NAME
DECIDUOUS TREES		
AMM	5	ACER MIYABEI 'MORTON'
ASB	2	ACER SACCHARUM 'BAILSTA'
QMC	2	QUERCUS X MACDANIELII 'CLEMONS'
TTG	6	TILIA TOMENTOSA 'PNI 6051'
ORNAMENTAL TREES		
AGA	3	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'
CCA	5	CARPINUS CAROLINIANA
MSS	2	MALUS X 'SPRING SNOW'
SRE	5	SYRINGA RETICULATA
DECIDUOUS SHRUBS		
CCB	33	CARYOPTERIS X CLANDONENSIS 'BLUE MIST'
CMI	6	CHAMAEBATIARIA MILLEFOLIUM
PFD	26	POTENTILLA FRUTICOSA 'FARGO'
PPB	9	PRUNUS PUMILA BESSEYI 'P011S'
RAM	11	RIBES ALPINUM 'GREEN MOUND'
EVERGREEN SHRUBS		
JCG	32	JUNIPERUS COMMUNIS 'GREEN CARPET'
MRE	120	MAHONIA REPENS
PSH	12	PINUS SYLVESTRIS 'HILLSIDE CREEPER'
ORNAMENTAL GRASSES		
BGB	40	BOUTELOUA GRACILIS 'BLONDE AMBITION'
PVS	28	PANICUM VIRGATUM 'SHENANDOAH'

PLANTING NOTES

1. REFER TO SHEETS L-409 AND L-410 FOR PLANTING NOTES, DETAILS AND SCHEDULE.
2. REFER TO L-200'S SHEETS FOR PLANTING BED MULCH MATERIALS.

LEGEND

- PROPERTY LINE
- LIMIT OF DISTURBANCE
- FLOODWAY
- 100YR — PROPOSED PARK 100-YEAR FLOODPLAIN
- 5846 — EXISTING CONTOUR
- 48 — PROPOSED CONTOUR
- SOD
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- NATIVE POLLINATOR SEED MIX
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- EXISTING EVERGREEN TREE TO REMAIN

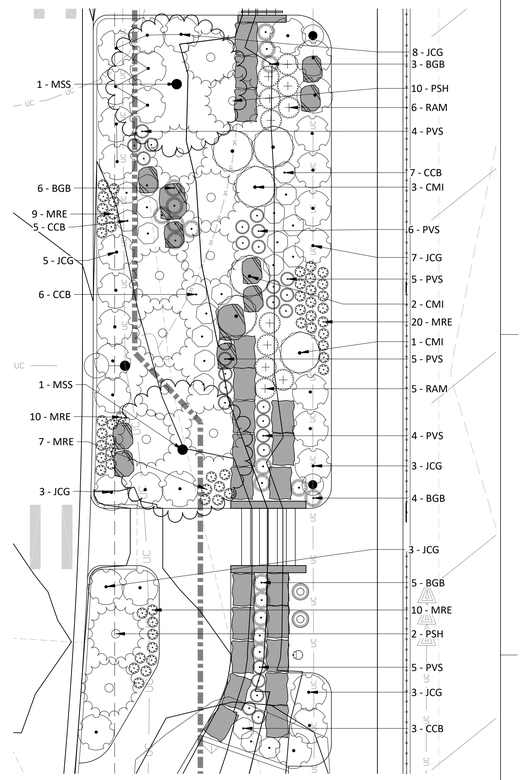


A1 MULTI-USE FIELDS PLANTING ENLARGEMENT

1" = 30'-0"

SCALE: 1" = 30'-0"

0' 15' 30' 60' 90'



A4 L-415-F PLANTING ENLARGEMENT- A

1" = 10'-0"

SCALE: 1" = 10'-0"

0' 5' 10' 20' 30'

CALL 811 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR MARKING OF UNDERGROUND MEMBER UTILITIES

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Town of Parker, Director of Engineering — Date

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Denver, CO 80202
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Wheat Ridge, CO 80215
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Littleton, CO 80127
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MECHANICAL ENGINEER
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p. 303.688.0223

Town of Parker

SALISBURY PARK NORTH - PHASE 1

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PARKER, CO 80134

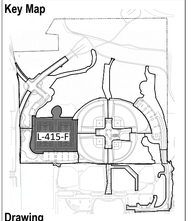
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ARCHITECTURE
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PLANNING
INTERIOR DESIGN

	DATE	DESCRIPTION

Project Number:	223072.00
Sheet Issue Date:	2024-11-22
Drawn By:	EH, LW, ED, MS, AG
Checked By:	RB, CB, DD

Key Map



Drawing

MULTI-USE FIELDS PLANTING ENLARGEMENT

L-415-F

SITE PLAN SUBMITTAL
Page 165 of 311

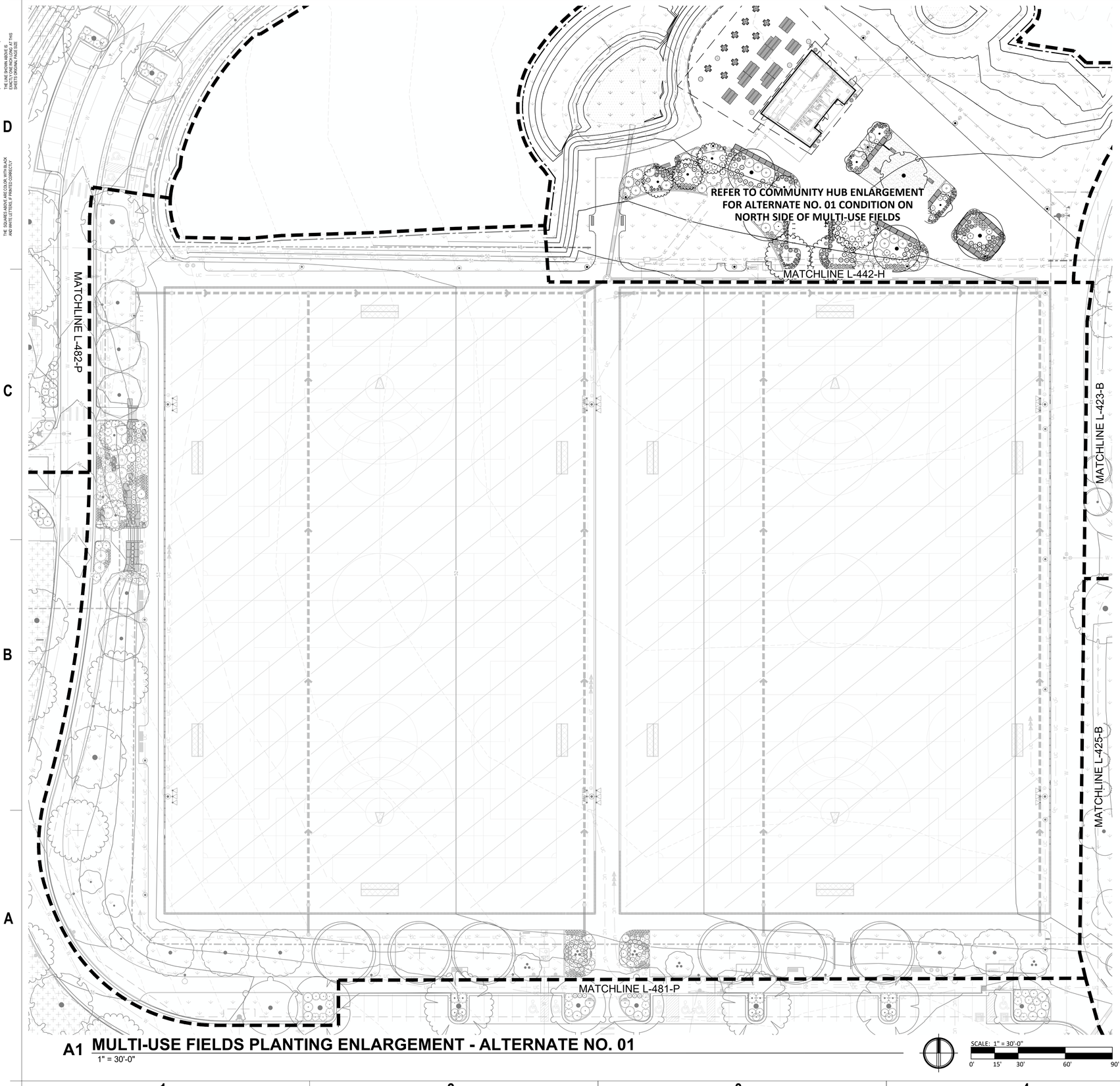
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A1 **MULTI-USE FIELDS PLANTING ENLARGEMENT - ALTERNATE NO. 01**
1" = 30'-0"

SCALE: 1" = 30'-0"
0' 15' 30' 60' 90'

LEGEND

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PLANTING NOTES

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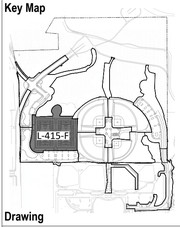
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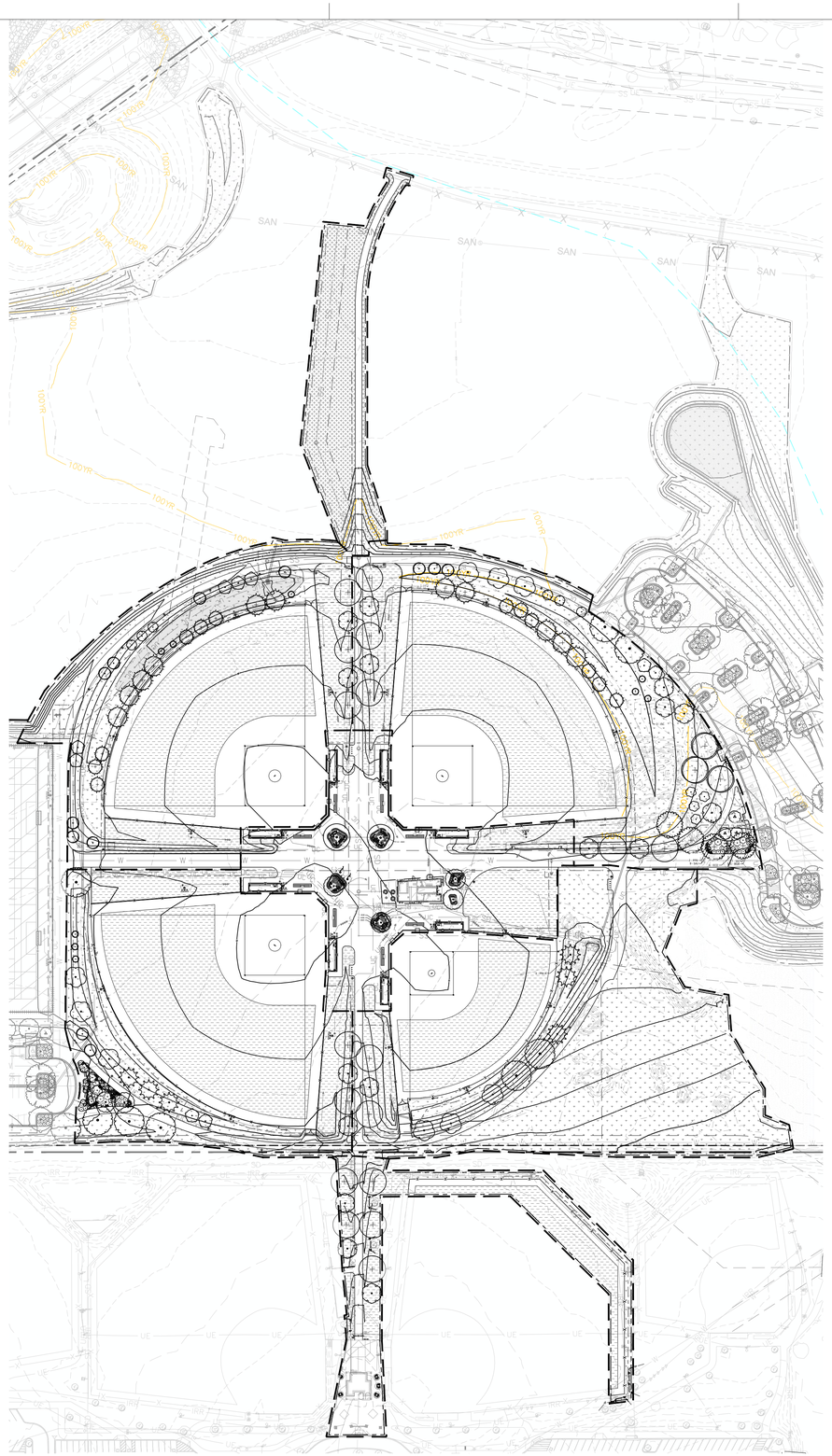
Drawing

MULTI-USE FIELDS PLANTING ENLARGEMENT - ALTERNATE NO. 01

L-416-F

SITE PLAN SUBMITTAL

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- PROPOSED DECIDUOUS TREE
- PROPOSED ORNAMENTAL TREE
- PROPOSED EVERGREEN TREE
- PROPOSED PLANTING AREAS

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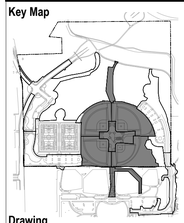
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ARCHITECTURE
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Project Number: 223072.00
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Drawn By: EH, LW, ED, MS, AG
Checked By: RB, CB, DD

Key Map



Drawing

OVERALL BALLFIELD COMPLEX - PLANTING KEY PLAN

L-420-B

SITE PLAN SUBMITTAL
Page 167 of 311

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- EXISTING EVERGREEN TREE TO REMAIN

CODE	QTY	BOTANICAL NAME
DECIDUOUS TREES		
AMM	4	ACER MIYABEI 'MORTON'
SJA	2	SOPHORA JAPONICA
DECIDUOUS SHRUBS		
AMC	30	AMORPHA NANA
EVERGREEN SHRUBS		
MRE	56	MAHONIA REPENS
ORNAMENTAL GRASSES		
BGB	62	BOUTELOUA GRACILIS 'BLONDE AMBITION'

MATCHLINE L-423-B

MATCHLINE L-424-B

MATCHLINE L-425-B

MATCHLINE L-426-B & L-427-B

SOD

TURF WARM UP AREA

7 - AMC
5 - MRE
7 - MRE
9 - BGB
10 - BGB
7 - AMC
8 - MRE
7 - BGB
1 - SJA
9 - BGB
12 - AMC
1 - SJA
9 - MRE
6 - MRE
13 - AMC
5 - BGB
1 - AMM
9 - BGB
5 - MRE
5 - MRE
7 - BGB
2 - AMC
3 - MRE
3 - BGB
1 - AMM
3 - MRE
7 - BGB
3 - AMC
5 - MRE
1 - AMM
7 - MRE
9 - MRE
7 - AMC
1 - AMM
13 - BGB
7 - BGB
7 - MRE
8 - AMC

3 - PNI-A

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Town of Parker, Director of Engineering — Date

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p. 303.444.1951

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Town of Parker
SALISBURY PARK NORTH - PHASE 1
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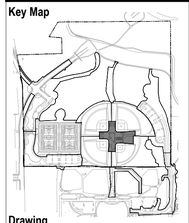
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	DATE	DESCRIPTION

Project Number: 223072.00
Sheet Issue Date: 2024-11-22
Drawn By: EH, LW, ED, MS, AG
Checked By: RB, CB, DD

Key Map



Drawing

PLAZA PLANTING ENLARGEMENT- BASE BID

L-421-B

SITE PLAN SUBMITTAL

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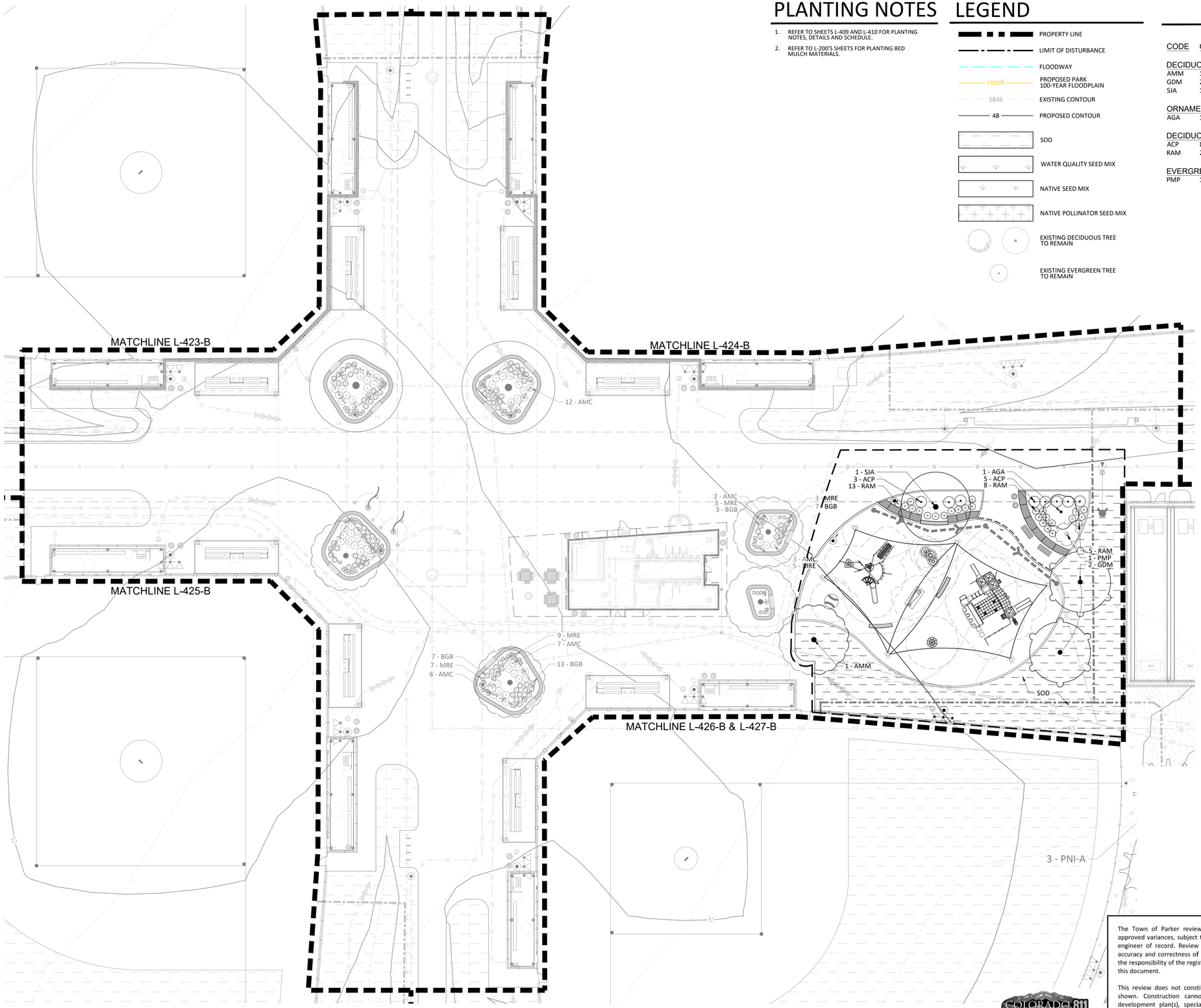
PLANTING NOTES

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CODE	QTY	BOTANICAL NAME
DECIDUOUS TREES		
AMM	1	ACER MIYABEI 'MORTON'
GDM	2	GYMNOCLADUS DIOICUS 'MCKBRANCHED'
SJA	1	SOPHORA JAPONICA
ORNAMENTAL TREES		
AGA	1	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'
DECIDUOUS SHRUBS		
ACP	8	ARCTOSTAPHYLOS X COLORADENSIS 'PANCHITO'
RAM	26	RIBES ALPINUM 'GREEN MOUND'
EVERGREEN SHRUBS		
PMP	1	PINUS MUGO 'PUMILIO'



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COLORADO 811

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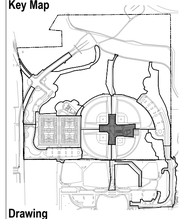
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Key Map



Drawing

PLAZA PLANTING ENLARGEMENT-ALTERNATES NO. 02 & 03

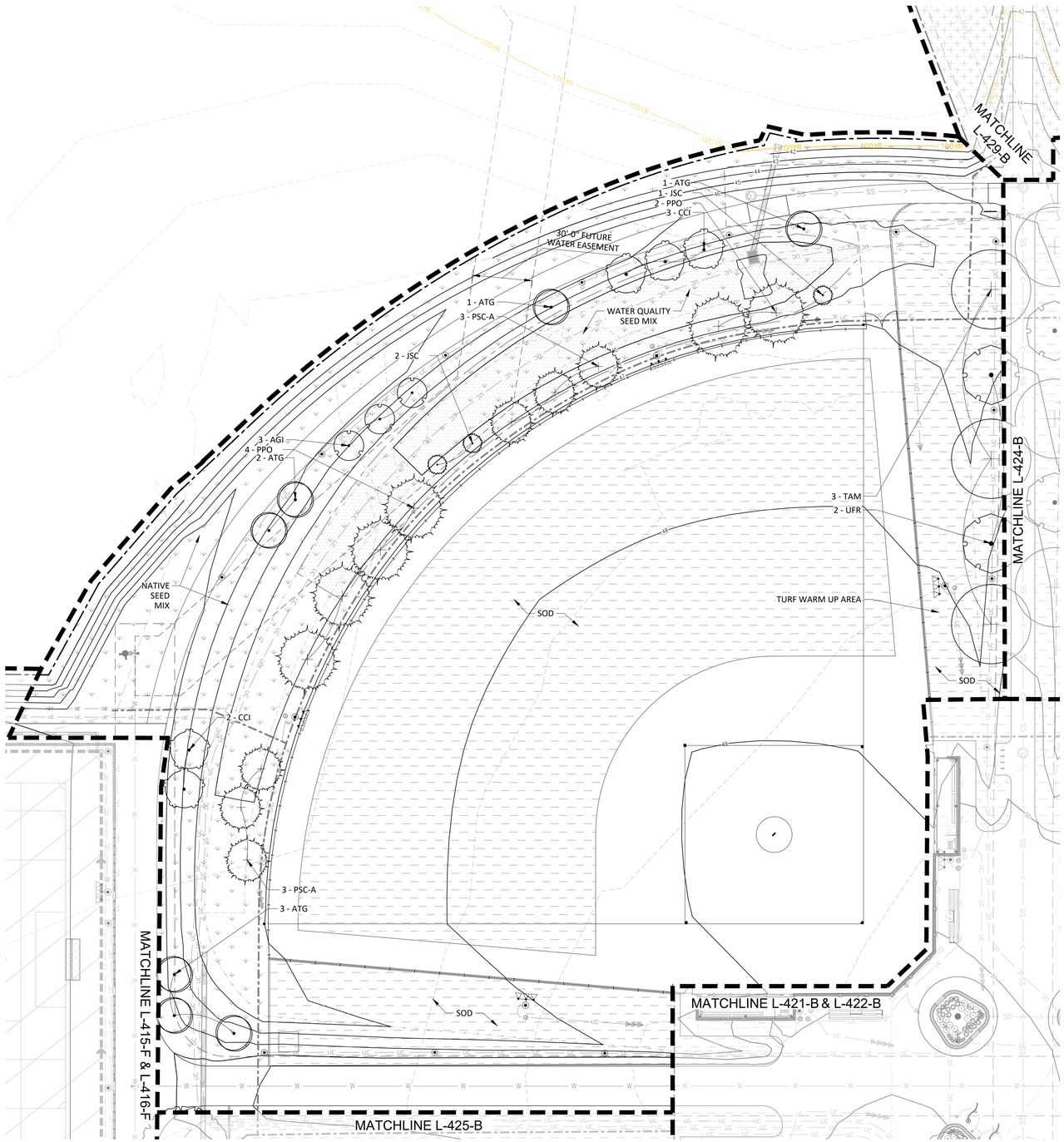
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CODE	QTY	BOTANICAL NAME
EVERGREEN TREES		
JSC-B	3	JUNIPERUS SCOPULORUM
PSC-B	6	PICEA PUNGENS
PPO-B	6	PINUS PONDEROSA
DECIDUOUS TREES		
TAM	3	TILIA AMERICANA 'MCKSENTRY'
UFR	2	ULMUS X 'FRONTIER'
ORNAMENTAL TREES		
AGI	3	ACER GINNALA
ATG	7	ACER TATARICUM 'GARANN'
CCI	5	CRATAEGUS CRUS-GALLI INERMIS

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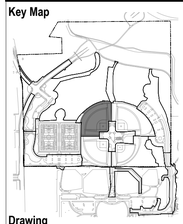
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Key Map



Drawing

NORTHWEST BALLFIELD PLANTING ENLARGEMENT

L-423-B

SITE PLAN SUBMITTAL

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PLANTING NOTES

1. REFER TO SHEETS L-409 AND L-410 FOR PLANTING NOTES, DETAILS AND SCHEDULE.
2. REFER TO L-200'S SHEETS FOR PLANTING BED MULCH MATERIALS.

LEGEND

- PROPERTY LINE
- LIMIT OF DISTURBANCE
- FLOODWAY
- 100YR — PROPOSED PARK 100-YEAR FLOODPLAIN
- 5846 — EXISTING CONTOUR
- 48 — PROPOSED CONTOUR
- SOD
- WATER QUALITY SEED MIX
- NATIVE SEED MIX
- NATIVE POLLINATOR SEED MIX
- EXISTING DECIDUOUS TREE TO REMAIN
- EXISTING EVERGREEN TREE TO REMAIN

CODE	QTY	BOTANICAL NAME
EVERGREEN TREES		
JSC-B	3	JUNIPERUS SCOPULORUM
PSC-B	6	PICEA PUNGENS
PPO-B	5	PINUS PONDEROSA
DECIDUOUS TREES		
ASB	4	ACER SACCHARUM 'BAILSTA'
CSP	3	CATALPA SPECIOSA
QMA	1	QUERCUS MACROCARPA
TAM	5	TILIA AMERICANA 'MCKSENTRY'
TTG	1	TILIA TOMENTOSA 'PNI 6051'
UFR	5	ULMUS X 'FRONTIER'
ORNAMENTAL TREES		
AGI	3	ACER GINNALA
ATG	3	ACER TATARICUM 'GARANN'
AGA	4	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'
SRE	3	SYRINGA RETICULATA

MATCHLINE L-429-B
MATCHLINE L-423-B
MATCHLINE L-421-B & L-422-B
MATCHLINE L-426-B & L-427-B
MATCHLINE L-486-P

3 - CSP
3 - ATG
SOD
2 - PPO
3 - AGI
NATIVE SEED MIX
3 - PSC-A
2 - QMA
2 - CCI
2 - UFR
3 - TAM
3 - PPO
3 - PSC-A
TURF WARM UP AREA
SOD
3 - JSC
3 - UFR
3 - TTG
NATIVE SEED MIX
2 - UFR
2 - ASB
4 - AGA
3 - SRE
1 - UFR
4 - ECO
2 - PPB
5 - PMP
SOD
12 - AMC
6 - BGB
11 - ECO
2 - PPB
2 - TAM
9 - SAJ
3 - PPB
4 - RAU
6 - ECO
2 - ASB
7 - SAJ
5 - BGB
2 - AMC
3 - MRE
3 - BGB
7 - BGB

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Town of Parker, Director of Engineering — Date

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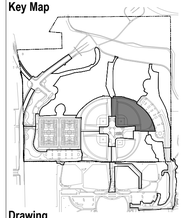
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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

	DATE	DESCRIPTION

Project Number:	223072.00
Sheet Issue Date:	2024-11-22
Drawn By:	EH, LW, ED, MS, AG
Checked By:	RB, CB, DD

Key Map



Drawing

NORTHEAST BALLFIELD PLANTING ENLARGEMENT

L-424-B

SITE PLAN SUBMITTAL

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PLANTING NOTES

1. REFER TO SHEETS L-409 AND L-410 FOR PLANTING NOTES, DETAILS AND SCHEDULE.
2. REFER TO L-200'S SHEETS FOR PLANTING BED MULCH MATERIALS.

A1

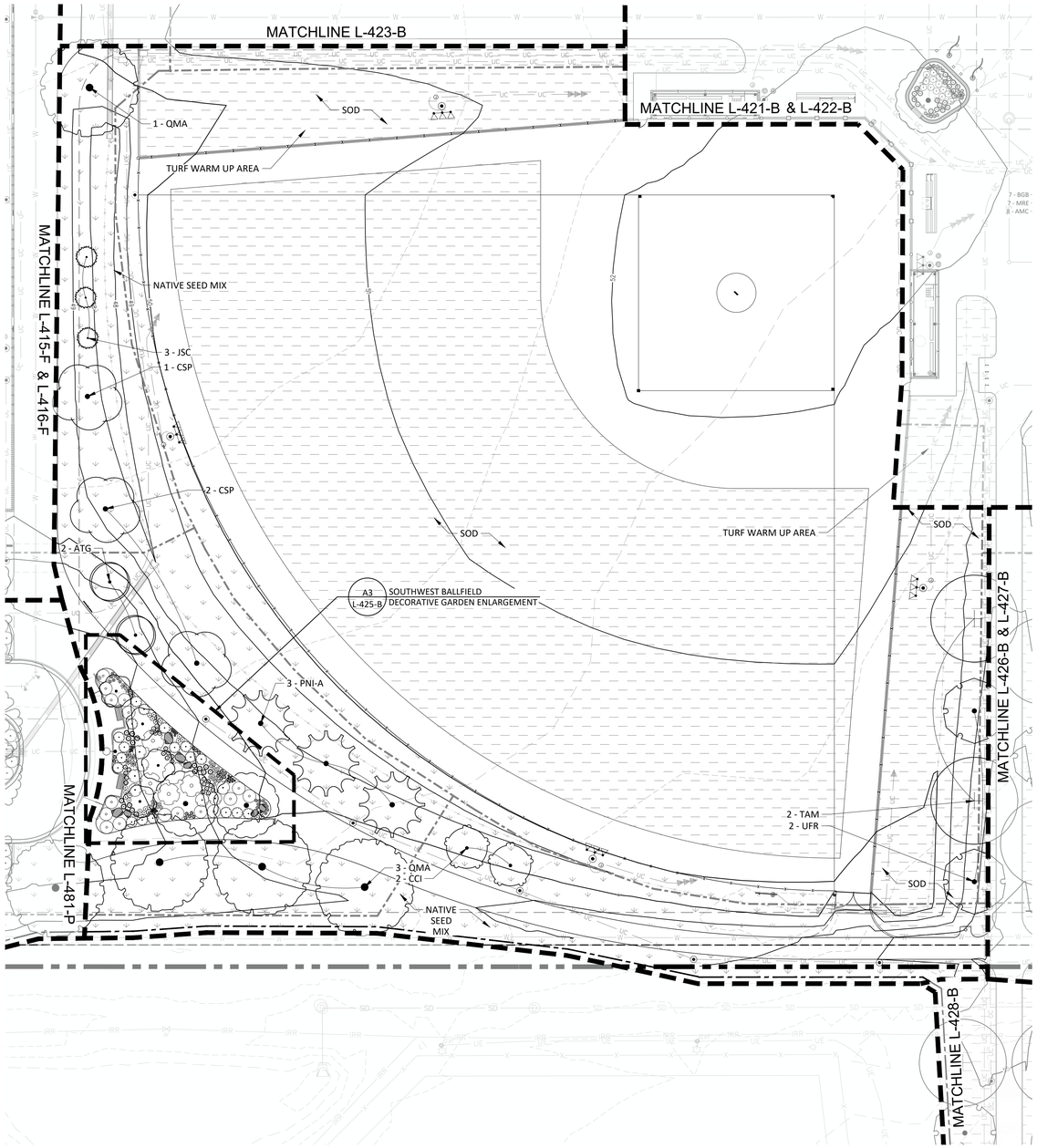
CODE	QTY	BOTANICAL NAME
EVERGREEN TREES		
JSC-B	3	JUNIPERUS SCOPULORUM
PNI-B	3	PINUS NIGRA
DECIDUOUS TREES		
CSP	3	CATALPA SPECIOSA
QMA	5	QUERCUS MACROCARPA
TAM	2	TILIA AMERICANA 'MCKSENTRY'
UFR	2	ULMUS X 'FRONTIER'
ORNAMENTAL TREES		
ATG	2	ACER TATARICUM 'GARANN'
CCI	2	CRATAEGUS CRUS-GALLI INERMIS

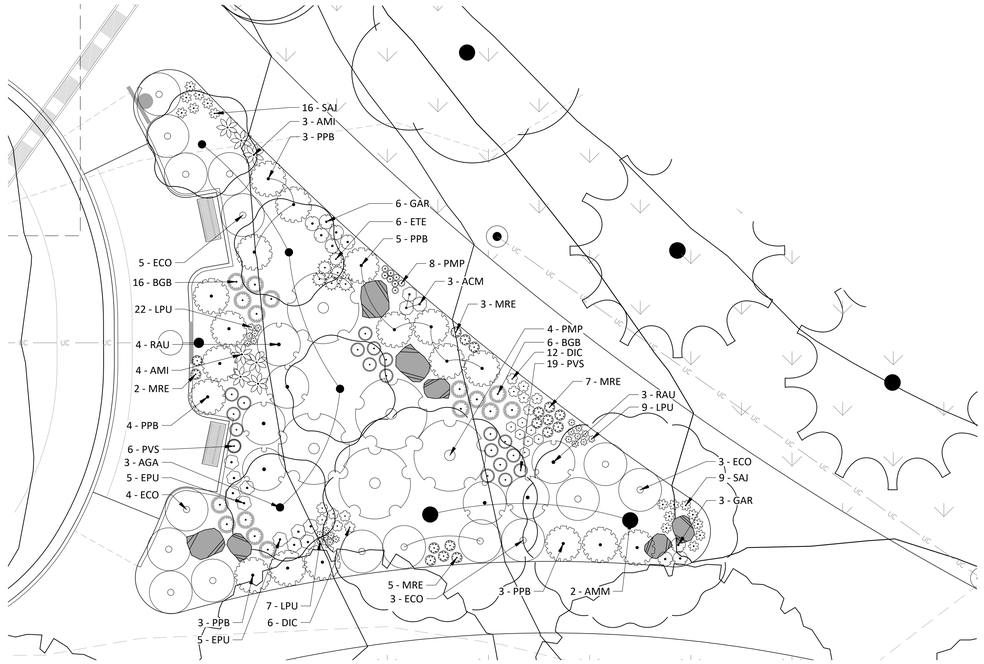
A2

CODE	QTY	BOTANICAL NAME
DECIDUOUS TREES		
AMM	2	ACER MIYABEI 'MORTON'
ORNAMENTAL TREES		
AGA	4	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'

LEGEND

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- LIMIT OF DISTURBANCE
- FLOODWAY
- 100YR — PROPOSED PARK 100-YEAR FLOODPLAIN
- 5846 — EXISTING CONTOUR
- 48 — PROPOSED CONTOUR
- SOD
- WATER QUALITY SEED MIX
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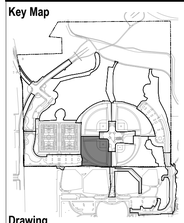
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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

	DATE	DESCRIPTION

Project Number:	223072.00
Sheet Issue Date:	2024-11-22
Drawn By:	EH, LW, ED, MS, AG
Checked By:	RB, CB, DD

Key Map



Drawing

SOUTHWEST BALLFIELD PLANTING ENLARGEMENT

L-425-B

SITE PLAN SUBMITTAL
Page 172 of 311

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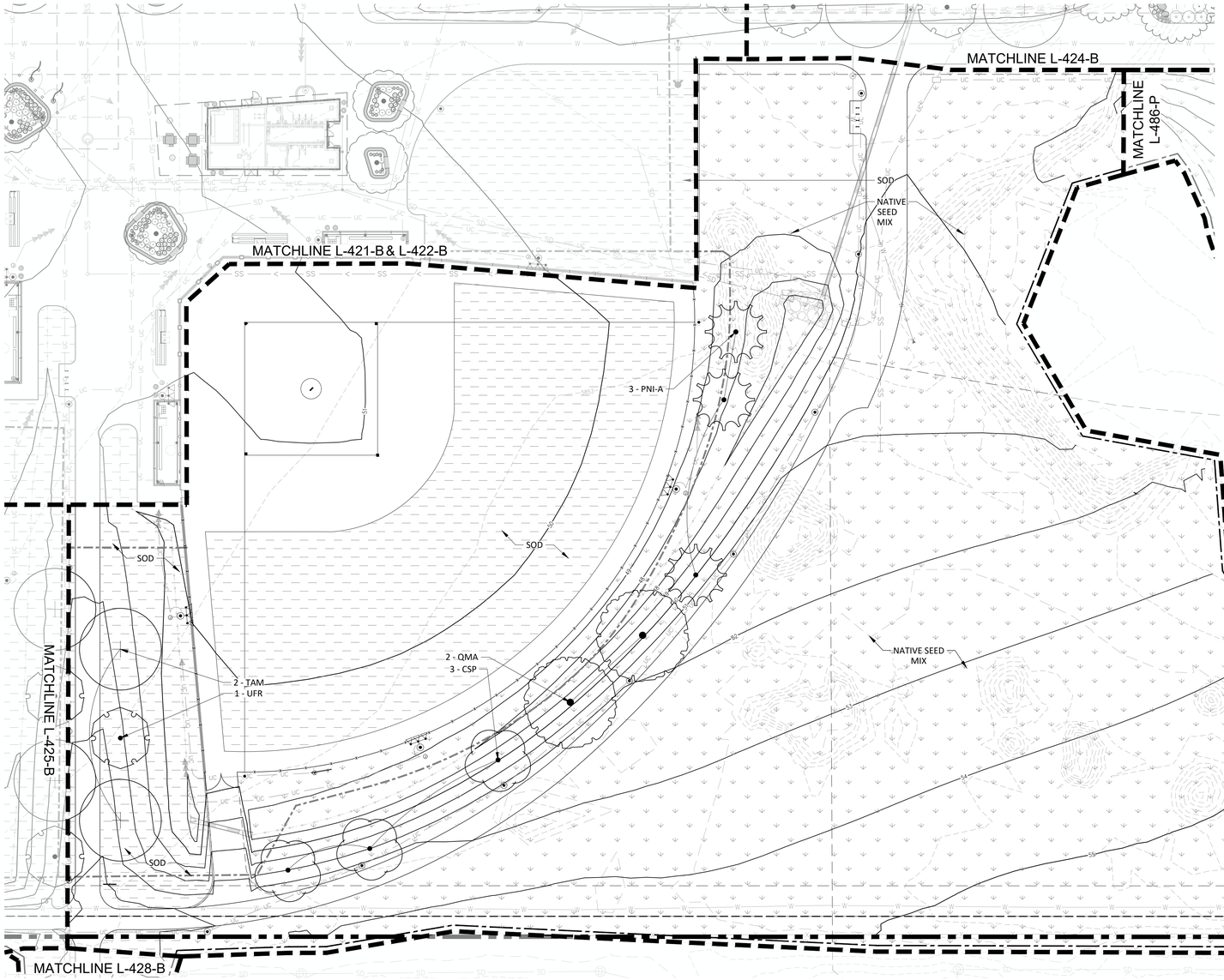
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EVERGREEN TREES		
PNI-B	3	PINUS NIGRA
DECIDUOUS TREES		
CSP	3	CATALPA SPECIOSA
QMA	2	QUERCUS MACROCARPA
TAM	2	TILIA AMERICANA 'MCKSENTRY'
UFR	1	ULMUS X 'FRONTIER'

LEGEND

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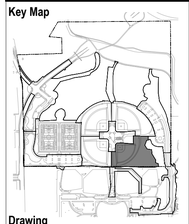
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ARCHITECTURE
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PLANNING
INTERIOR DESIGN

	DATE	DESCRIPTION

Project Number: 223072.00
Sheet Issue Date: 2024-11-22
Drawn By: EH, LW, ED, MS, AG
Checked By: RB, CB, DD

Key Map



Drawing

SOUTHEAST BALLFIELD PLANTING ENLARGEMENT- BASE BID

L-426-B

SITE PLAN SUBMITTAL

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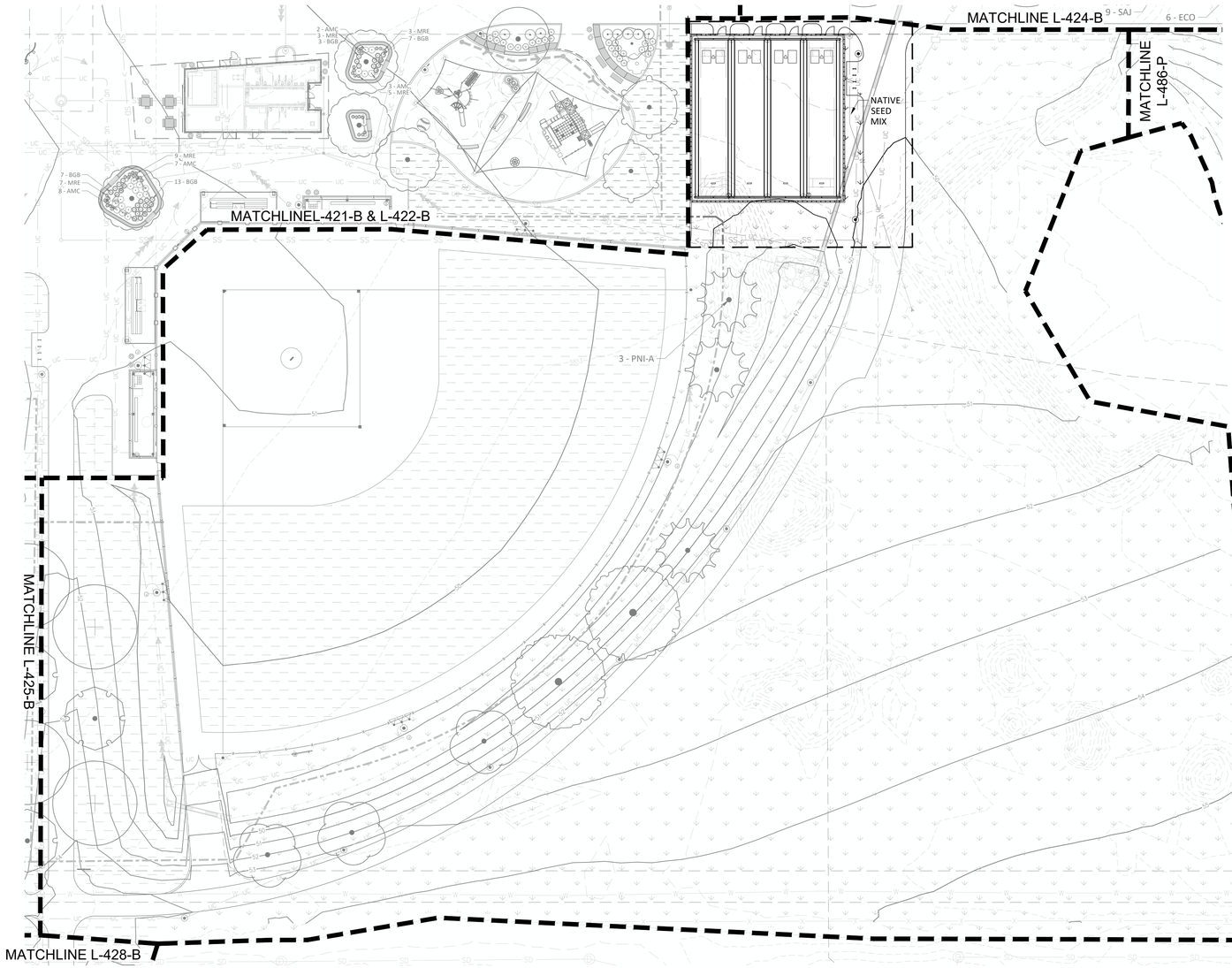
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CODE	QTY	BOTANICAL NAME
ORNAMENTAL TREES		
MSS	2	MALUS X 'SPRING SNOW'

LEGEND

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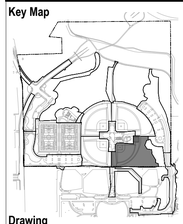
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Key Map



Drawing

SOUTHEAST BALLFIELD PLANTING ENLARGEMENT- ALTERNATE NO. 04

L-427-B

SITE PLAN SUBMITTAL

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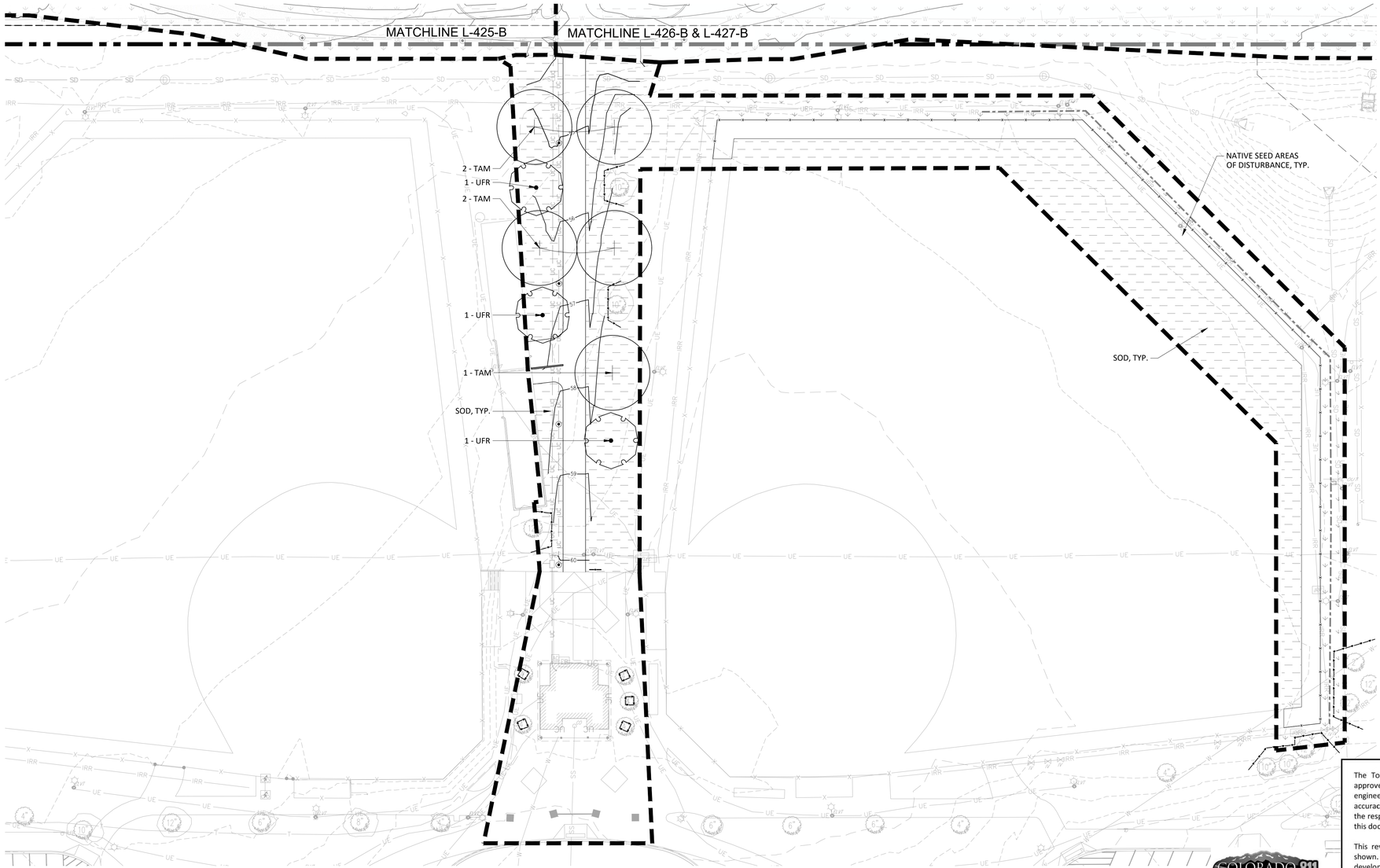
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CODE	QTY	BOTANICAL NAME
DECIDUOUS TREES		
TAM	5	TILIA AMERICANA 'MCKSENTRY'
UFR	3	ULMUS X 'FRONTIER'

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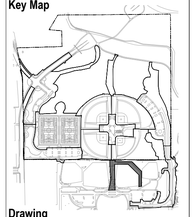
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ARCHITECTURE
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PLANNING
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Key Map



Drawing

EXISTING PARK IMPROVEMENTS PLANTING ENLARGEMENT

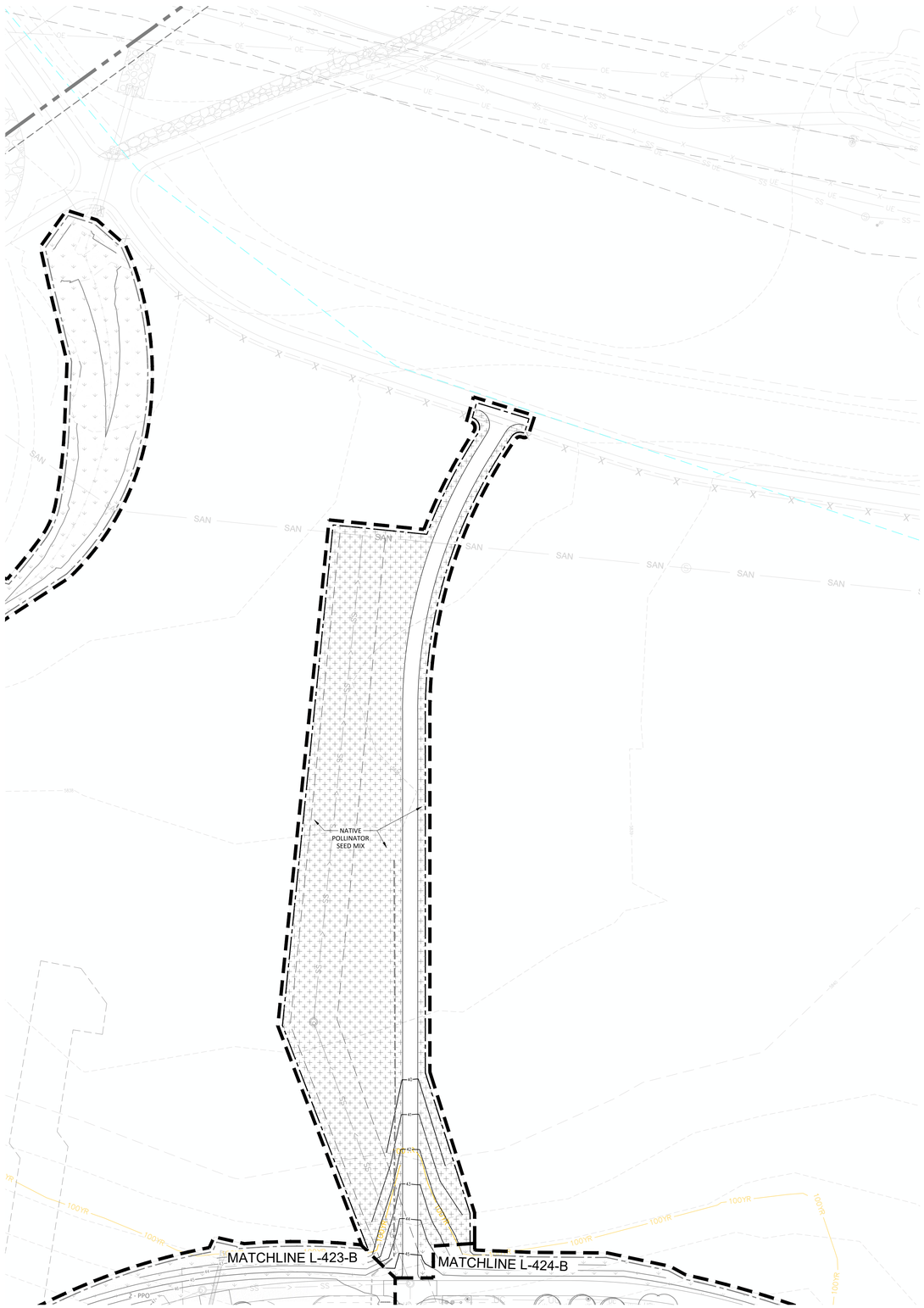
L-428-B

SITE PLAN SUBMITTAL

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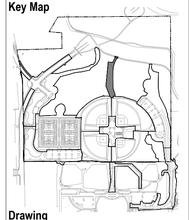
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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
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	DATE	DESCRIPTION

Project Number:	223072.00
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Key Map



Drawing

CHERRY CREEK CONNECTION PLANTING ENLARGEMENT

L-429-B

SITE PLAN SUBMITTAL

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PLANTING SCHEDULE

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ASB	3	ACER SACCHARUM 'BAILSTA'
QMC	1	QUERCUS X MACDANIELII 'CLEMONS'
SJA	4	SOPHORA JAPONICA
ORNAMENTAL TREES		
AGA	4	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'
MSS	3	MALUS X 'SPRING SNOW'
DECIDUOUS SHRUBS		
AAL	4	AMELANCHIER ALNIFOLIA
AMC	13	AMORPHA NANA
DBC	37	DAPHNE X BURKWOODII 'CAROL MACKIE'
PFD	56	POTENTILLA FRUTICOSA 'FARGO'
EVERGREEN SHRUBS		
ECO	24	EUONYMUS COLORATUS
JCG	15	JUNIPERUS COMMUNIS 'GREEN CARPET'
MRE	149	MAHONIA REPENS
PMP	7	PINUS MUGO 'PUMILIO'
PSH	15	PINUS SYLVESTRIS 'HILLSIDE CREEPER'
ORNAMENTAL GRASSES		
CAB	74	CALAMAGROSTIS BRACHYTRICHA

LEGEND

- PROPERTY LINE
- LIMIT OF DISTURBANCE
- FLOODWAY
- 100YR — PROPOSED PARK 100-YEAR FLOODPLAIN
- 5846 — EXISTING CONTOUR
- 48 — PROPOSED CONTOUR
- SOD
- WATER QUALITY SEED MIX
- NATIVE SEED MIX
- NATIVE POLLINATOR SEED MIX
- EXISTING DECIDUOUS TREE TO REMAIN
- EXISTING EVERGREEN TREE TO REMAIN

MATCHLINE L-482-P

MATCHLINE L-423-B

MATCHLINE L-415-F & L-416-F

WATER QUALITY SEED MIX

WATER QUALITY SEED MIX

NATIVE SEED MIX

NATIVE SEED MIX

2 - AGA
3 - ECO

9 - MRE
5 - VON
5 - AMC
1 - QMC

3 - MSS
7 - CAB
13 - DBC
12 - PFD
2 - SJA

12 - PFD
4 - MRE
2 - PSH

10 - CAB
5 - MRE

8 - MRE
5 - VON
3 - ECO
7 - DBC
12 - CAB
1 - AGA
1 - PSH
20 - MRE

3 - PFD
3 - ECO
4 - PSH

6 - MRE

13 - VON
4 - PMP
3 - ECO
13 - VON
3 - ECO

13 - CAB
5 - PFD

4 - AAL
6 - CAB
9 - MRE
6 - CAB
11 - MRE

8 - DBC
4 - PSH
3 - PMP
4 - ECO

2 - ECO
8 - AMC
24 - MRE

1 - AGA
7 - CAB

6 - MRE
5 - CAB
3 - MRE
2 - DBC

6 - MRE
11 - VON
2 - SJA
2 - DBC
7 - CAB

5 - MRE
6 - PFD
6 - MRE

12 - VON
17 - MRE
3 - ASB

5 - PFD
5 - DBC
2 - PSH
11 - VON

3 - ECO
7 - PFD

A1 COMMUNITY HUB PLANTING ENLARGEMENT- ALTERNATE NO. 01

1" = 20'-0"

SCALE: 1" = 20'-0"

0' 10' 20' 40' 60'

CALL 811 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR MARKING OF UNDERGROUND MEMBER UTILITIES

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Town of Parker, Director of Engineering — Date

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Denver, CO 80202
p. 303.444.1951

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Wheat Ridge, CO 80215
p. 303.278.7297

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Avocet Irrigation
11757 W. Ken Caryl Ave., Suite F-509
Littleton, CO 80127
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MECHANICAL ENGINEER
ENVISION Mechanical Engineers, Inc.
9777 Pyramid Court, #260
Englewood, CO 80112
p. 303.688.0223

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PARKER, CO 80134

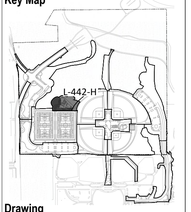
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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

	DATE	DESCRIPTION

Project Number:	223072.00
Sheet Issue Date:	2024-11-22
Drawn By:	EH, LW, ED, MS, AG
Checked By:	RB, CB, DD

Key Map



Drawing

COMMUNITY HUB PLANTING ENLARGEMENT- ALTERNATE NO. 01

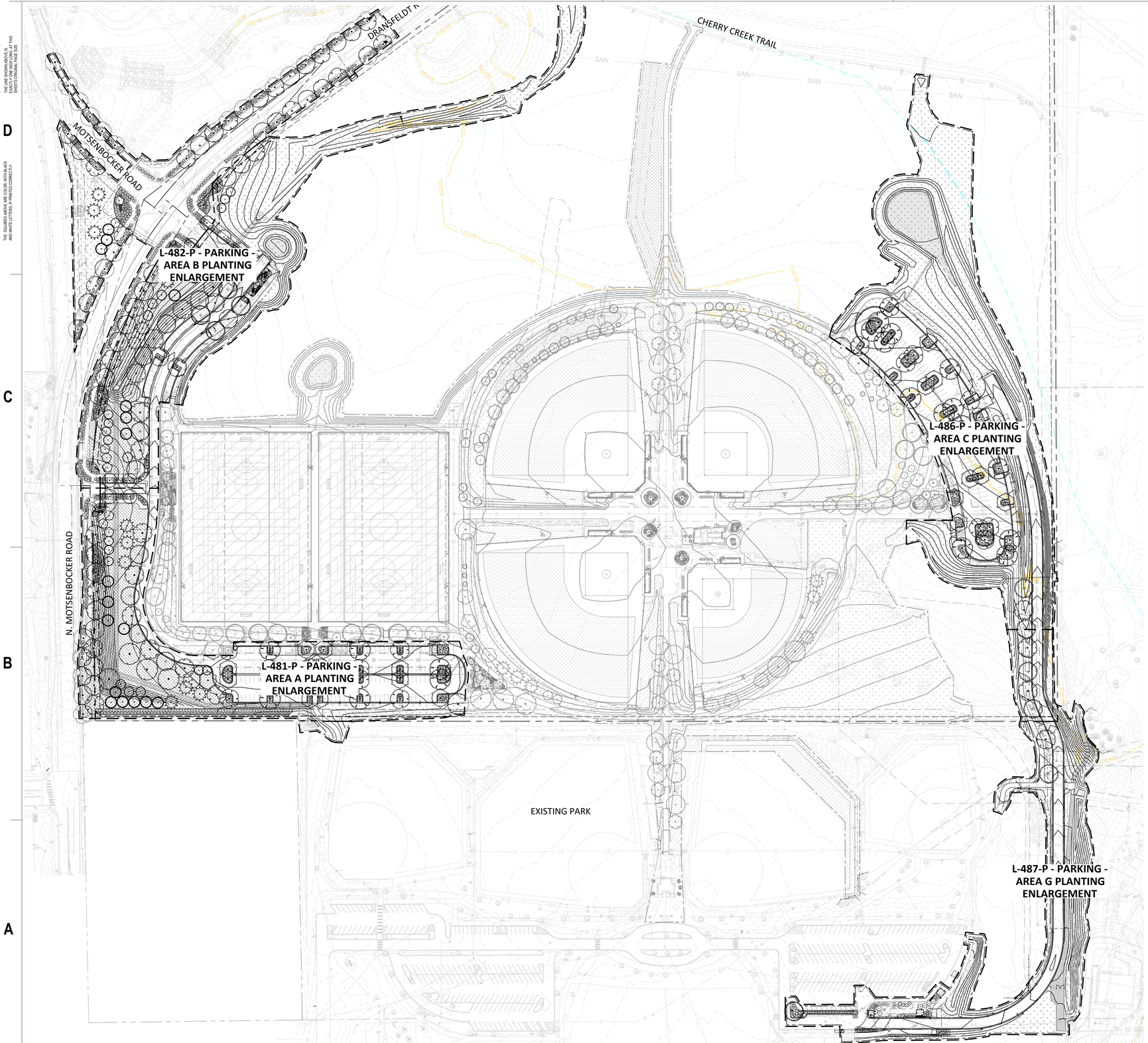
L-442-H

SITE PLAN SUBMITTAL

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PLANTING NOTES

1. REFER TO SHEETS L-409 AND L-410 FOR PLANTING NOTES, DETAILS AND SCHEDULE.
2. REFER TO L-200'S SHEETS FOR PLANTING BED MULCH MATERIALS.

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- NATIVE SEED MIX
- NATIVE POLLINATOR SEED MIX
- EXISTING DECIDUOUS TREE TO REMAIN
- EXISTING EVERGREEN TREE TO REMAIN
- PROPOSED DECIDUOUS TREE
- PROPOSED ORNAMENTAL TREE
- PROPOSED EVERGREEN TREE
- PROPOSED PLANTING AREAS

A1 OVERALL PARKING - PLANTING KEY PLAN

1" = 100'-0"

SCALE: 1" = 100'-0"

0' 60' 120' 240' 480'

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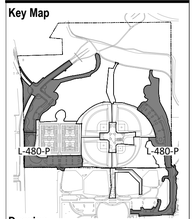
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INTERIOR DESIGN

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Key Map



Drawing

OVERALL PARKING - PLANTING KEY PLAN

L-480-P

SITE PLAN SUBMITTAL

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PLANTING NOTES

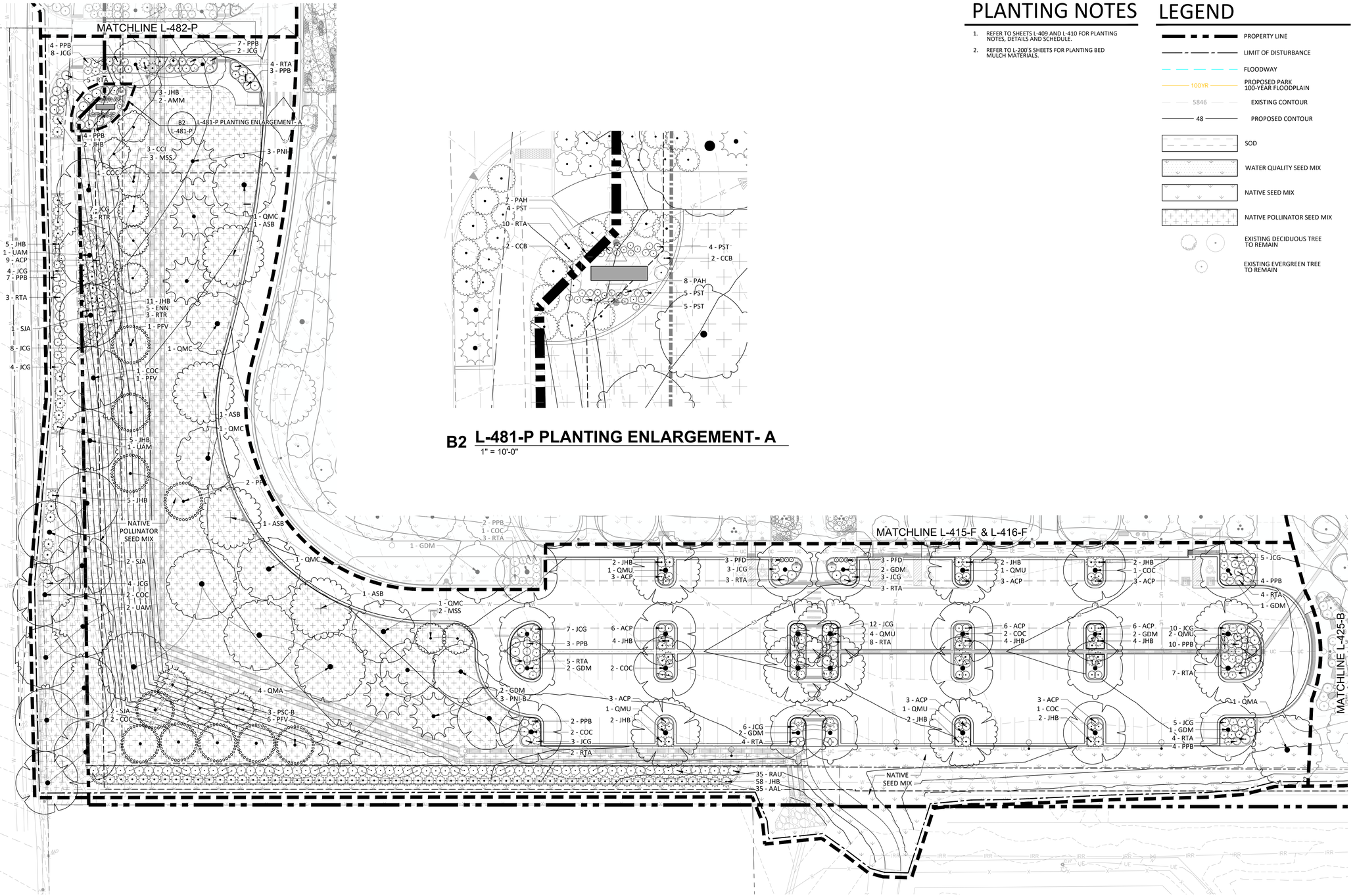
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- NATIVE SEED MIX
- NATIVE POLLINATOR SEED MIX
- EXISTING DECIDUOUS TREE TO REMAIN
- EXISTING EVERGREEN TREE TO REMAIN

B2 L-481-P PLANTING ENLARGEMENT- A

1" = 10'-0"



A1 PARKING - AREA A PLANTING ENLARGEMENT

1" = 30'-0"

SCALE: 1" = 30'-0"

0' 15' 30' 60' 90'

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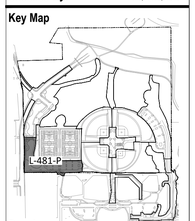
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ARCHITECTURE
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INTERIOR DESIGN

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Key Map



Drawing

PARKING - AREA A PLANTING ENLARGEMENT

L-481-P

SITE PLAN SUBMITTAL
Page 179 of 311

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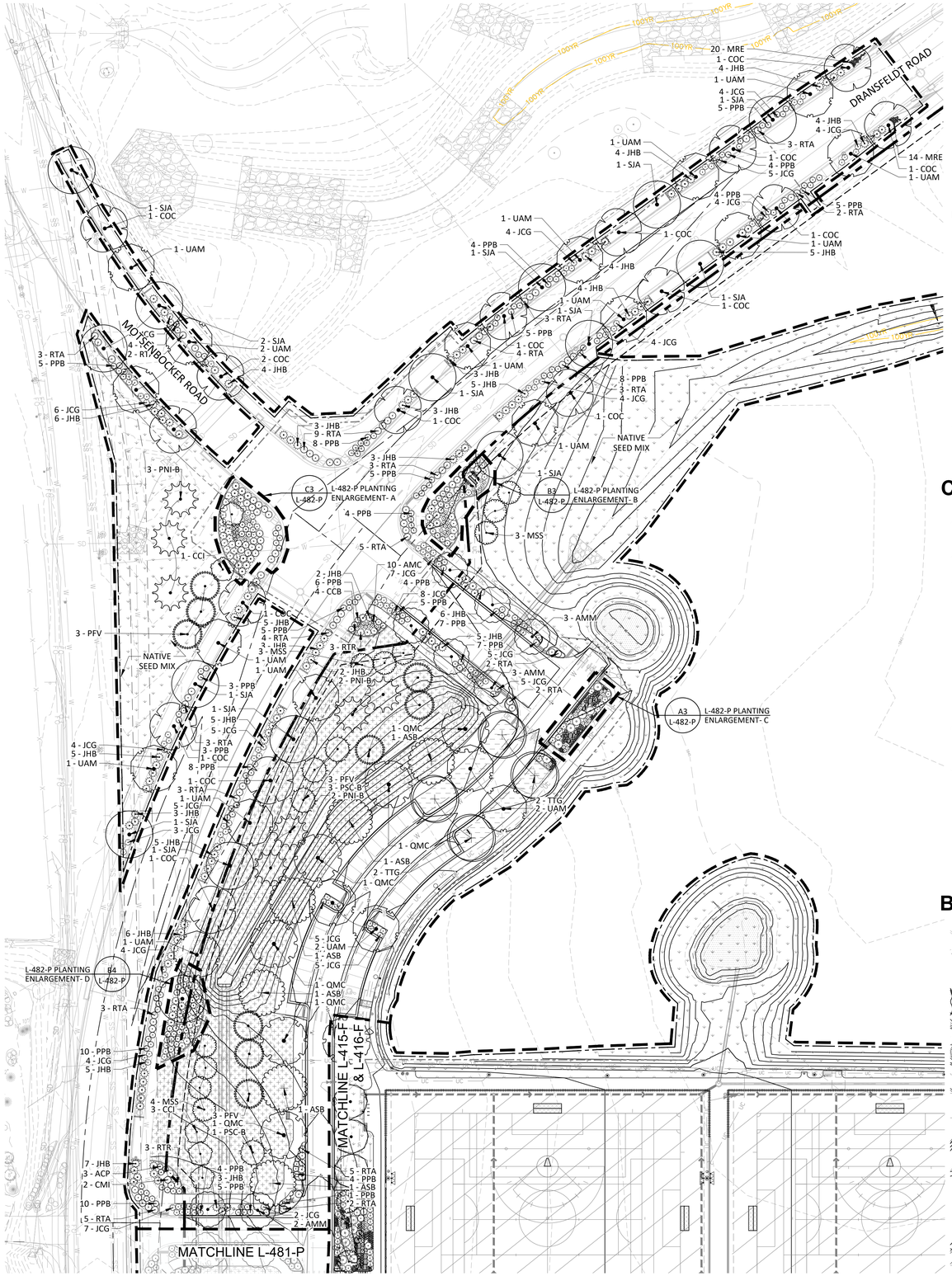
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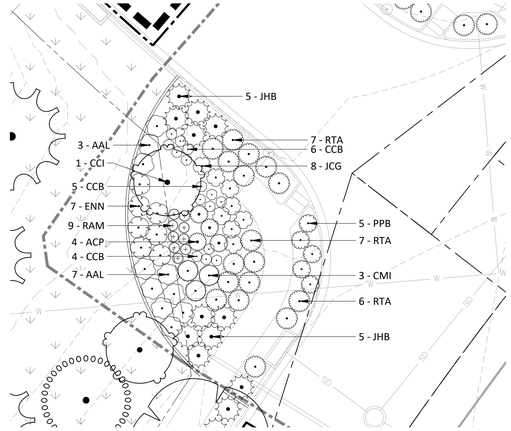


A1 PARKING - AREA B PLANTING ENLARGEMENT

1" = 50'-0"

SCALE: 1" = 50'-0"

0' 25' 50' 100' 150'



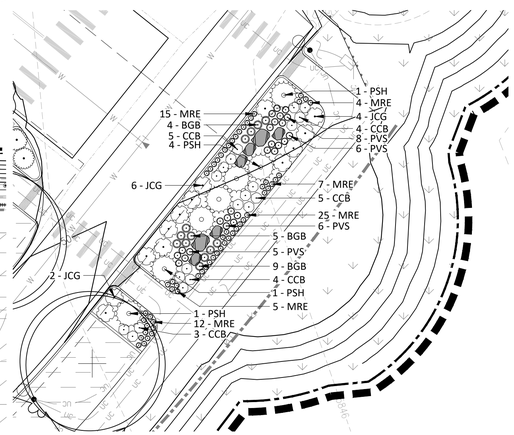
C3 L-482-P PLANTING ENLARGEMENT - A

1" = 20'-0"



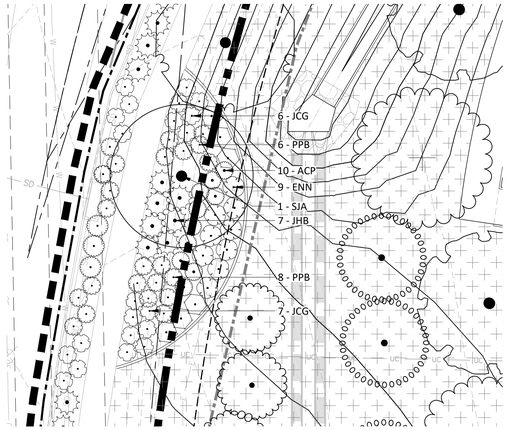
B3 L-482-P PLANTING ENLARGEMENT - B

1" = 20'-0"



A3 L-482-P PLANTING ENLARGEMENT - C

1" = 20'-0"



B4 L-482-P PLANTING ENLARGEMENT - D

1" = 20'-0"

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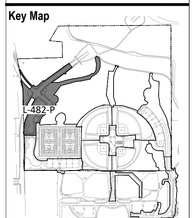
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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

	DATE	DESCRIPTION

Project Number:	223072.00
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Key Map



Drawing

PARKING - AREA B PLANTING ENLARGEMENT

L-482-P

SITE PLAN SUBMITTAL
Page 180 of 311

COLORADO 811
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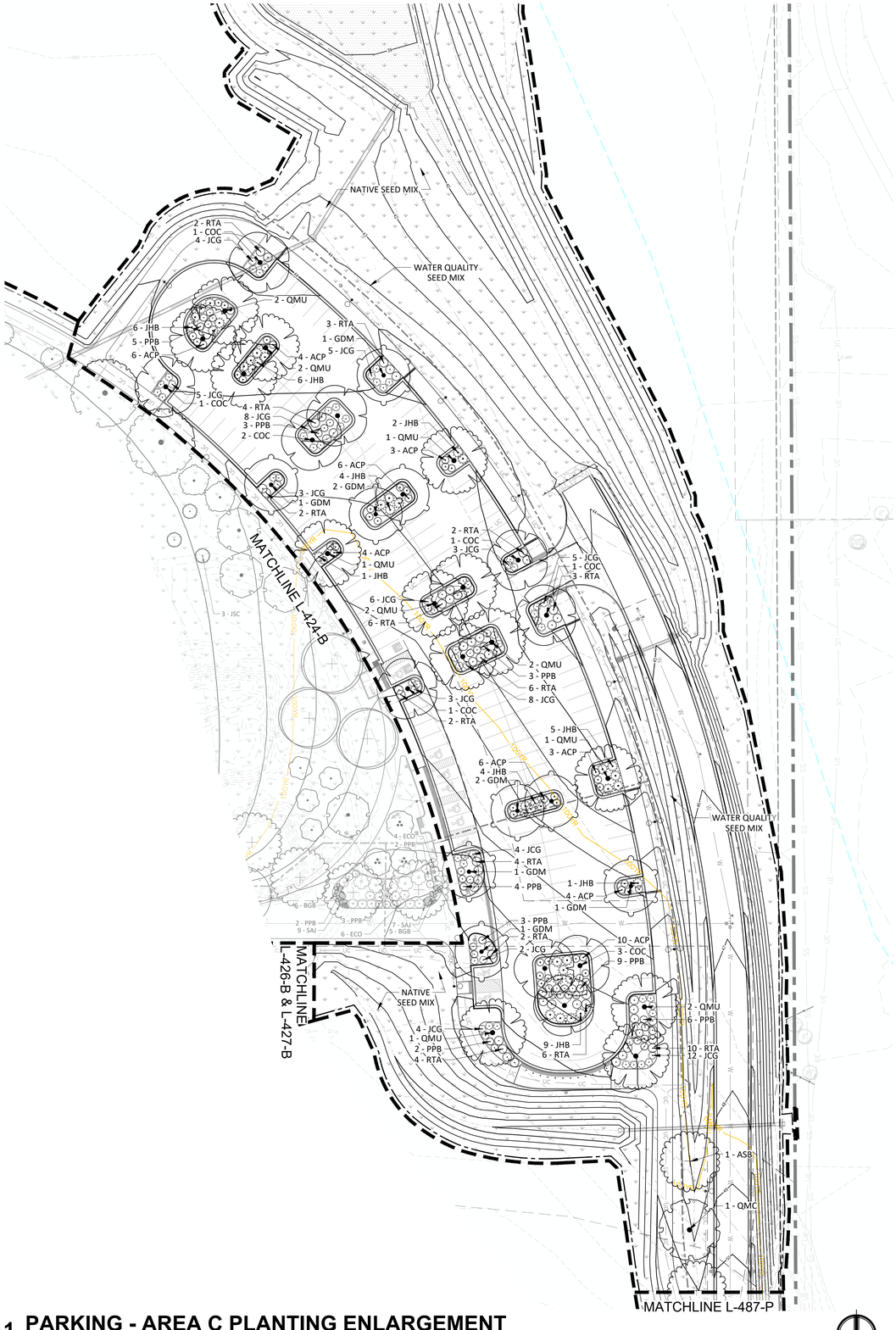
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A1 PARKING - AREA C PLANTING ENLARGEMENT

1" = 40'-0"

SCALE: 1" = 40'-0"

0' 20' 40' 80' 120'

PLANTING NOTES

1. REFER TO SHEETS L-409 AND L-410 FOR PLANTING NOTES, DETAILS AND SCHEDULE.
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LEGEND

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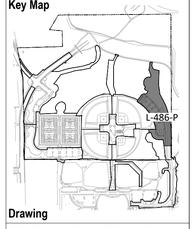
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ARCHITECTURE
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Key Map



Drawing

PARKING - AREA C PLANTING ENLARGEMENT

L-486-P

SITE PLAN SUBMITTAL

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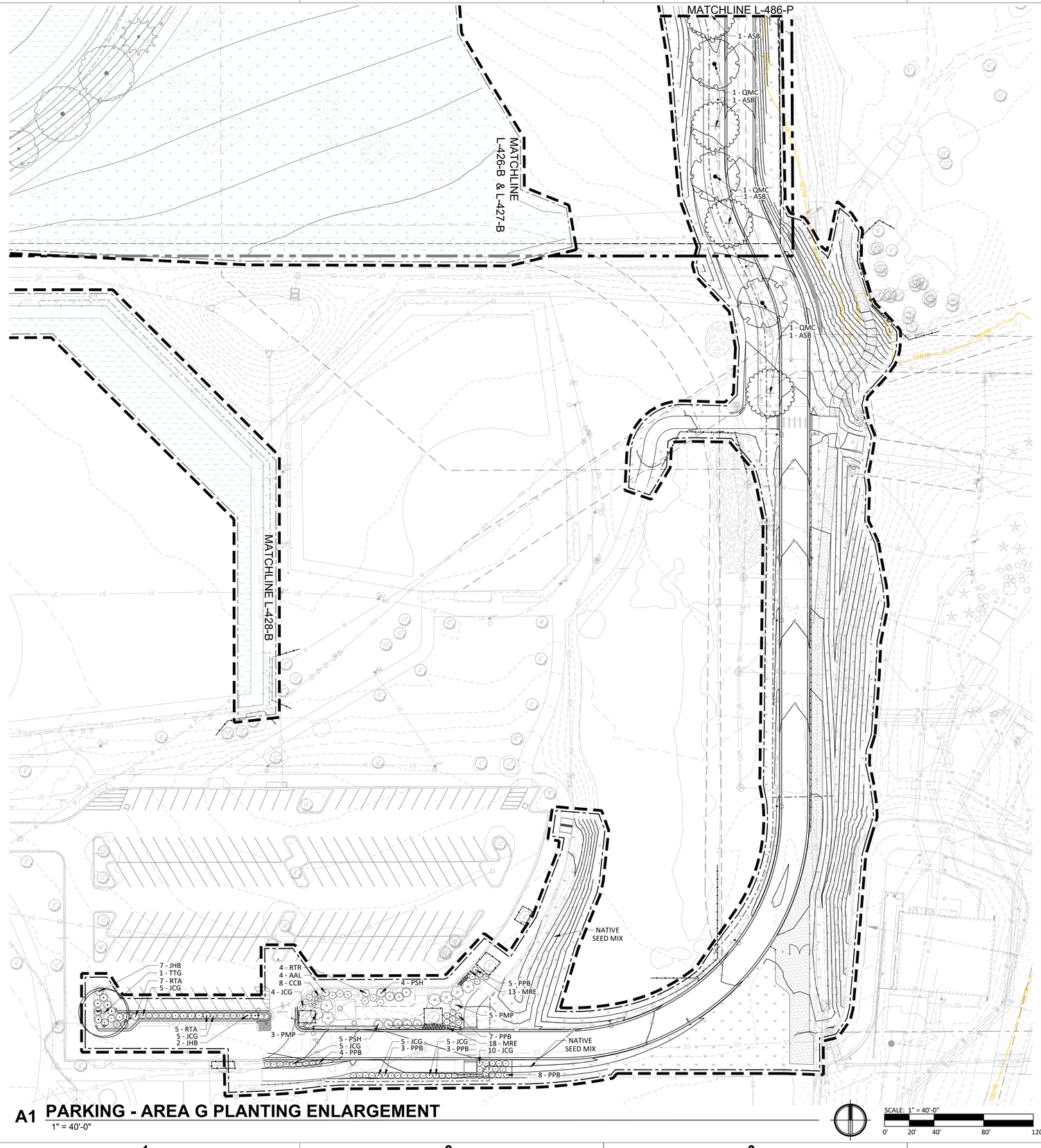
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A1 PARKING - AREA G PLANTING ENLARGEMENT

1" = 40'-0"

SCALE: 1" = 40'-0"

0' 20' 40' 80' 120'

PLANTING NOTES

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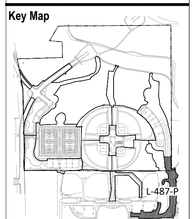
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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

	DATE	DESCRIPTION

Project Number:	223072.00
Sheet Issue Date:	2024-11-22
Drawn By:	EH, LW, ED, MS, AG
Checked By:	RB, CB, DD

Key Map



Drawing

PARKING - AREA G PLANTING ENLARGEMENT

L-487-P

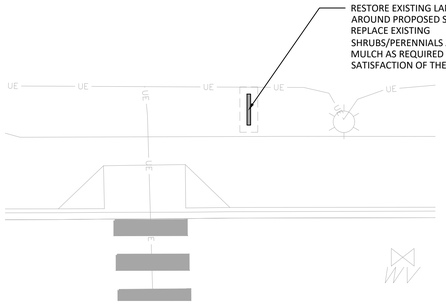
SITE PLAN SUBMITTAL

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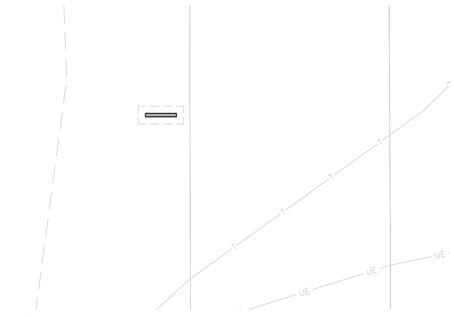
THE SQUARES ABOVE ARE COLOR, WITH BLACK AND WHITE TITLE & PRINT ELEMENTS

K Y M C



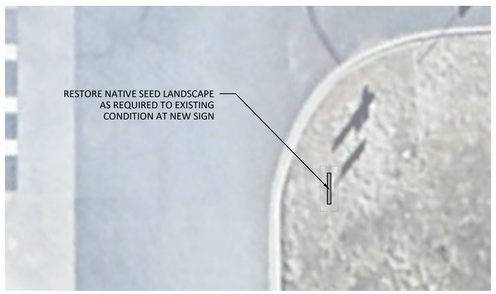
D1 DIRECTIONAL SIGN 4 LANDSCAPE IMPROVEMENTS ENLARGEMENT

1"=10'-0"



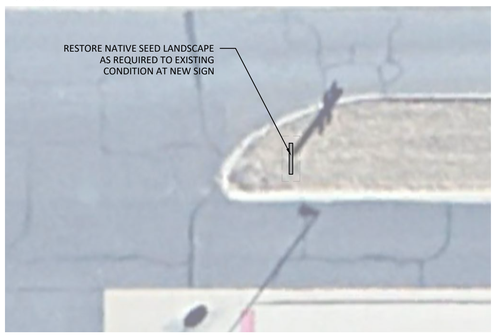
C1 DIRECTIONAL SIGN 3 LANDSCAPE IMPROVEMENTS ENLARGEMENT

1"=10'-0"



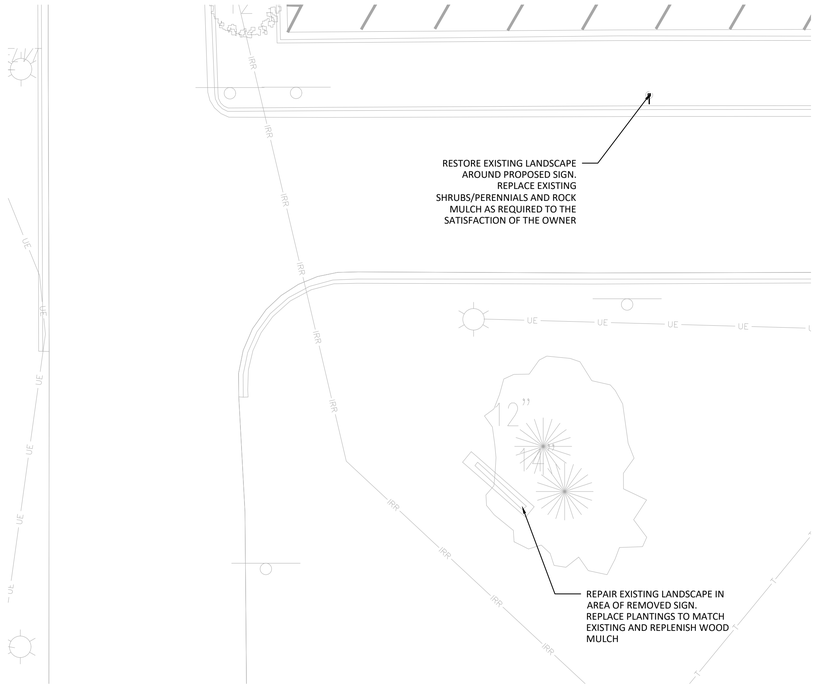
B1 DIRECTIONAL SIGN 2 LANDSCAPE IMPROVEMENTS ENLARGEMENT

1"=10'-0"



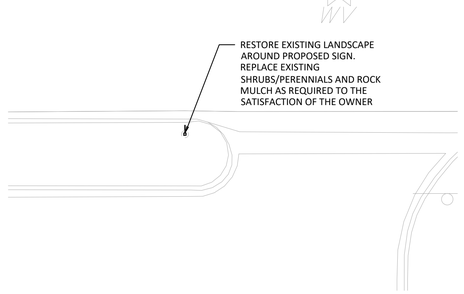
A1 DIRECTIONAL SIGN 1 LANDSCAPE IMPROVEMENTS ENLARGEMENT

1"=10'-0"



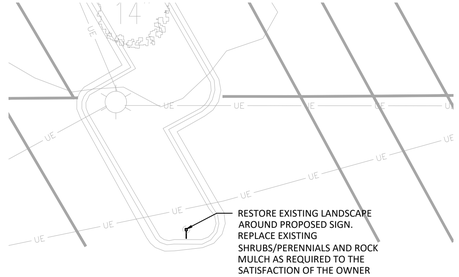
C2 PARK ENTRY SIGN AND PARKING LOT SIGN 1 LANDSCAPE IMPROVEMENTS ENLARGEMENT

1" = 10'-0"



B2 PARKING LOT SIGN 2 LANDSCAPE IMPROVEMENTS ENLARGEMENT

1"=10'-0"



B3 PARKING LOT SIGN 3 LANDSCAPE IMPROVEMENTS ENLARGEMENT

1"=10'-0"



A2 EXISTING MONUMENT SIGN LANDSCAPE IMPROVEMENTS ENLARGEMENT

1"=10'-0"

PLANTING NOTES

1. REFER TO SHEETS L-409 AND L-410 FOR PLANTING NOTES, DETAILS AND SCHEDULE.
2. REFER TO L-200'S SHEETS FOR PLANTING BED MULCH MATERIALS.

LEGEND

- PROPERTY LINE
- LIMIT OF DISTURBANCE
- FLOODWAY
- 100YR — PROPOSED PARK 100-YEAR FLOODPLAIN
- 5846 — EXISTING CONTOUR
- 48 — PROPOSED CONTOUR
- SOD
- WATER QUALITY SEED MIX
- NATIVE SEED MIX
- NATIVE POLLINATOR SEED MIX
- EXISTING DECIDUOUS TREE TO REMAIN
- EXISTING EVERGREEN TREE TO REMAIN

SCALE: 1" = 10'-0"
0' 5' 10' 20' 30'

COLORADO 811 CALL 811 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR MARKING OF UNDERGROUND MEMBER UTILITIES

The Town of Parker review constitutes general compliance with the Town's Standards and approved variances, subject to these plans being stamped, signed, and dated by the professional engineer of record. Review by the Town does not constitute approval of the plan design or accuracy and correctness of engineering calculations. Errors in the design or calculations remain the responsibility of the registered professional engineer whose stamp and signature are affixed to this document.

This review does not constitute approval of any private on-site improvements which may be shown. Construction cannot commence until all required drainage/traffic report(s), final development plan(s), special review(s), grading permit, and/or other permits are complete, approved and on file with the Town of Parker.

Town of Parker, Director of Engineering — Date

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1800 Wazee Street, Suite 450
Denver, CO 80202
p. 303.607.0977

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1675 Larimer Street, #500
Denver, CO 80202
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3000 Youngfield Street, #254
Wheat Ridge, CO 80215
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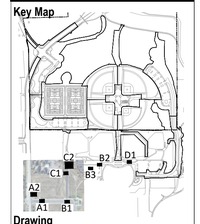
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Key Map



Drawing

SIGN LANDSCAPE IMPROVEMENTS ENLARGEMENTS

L-490

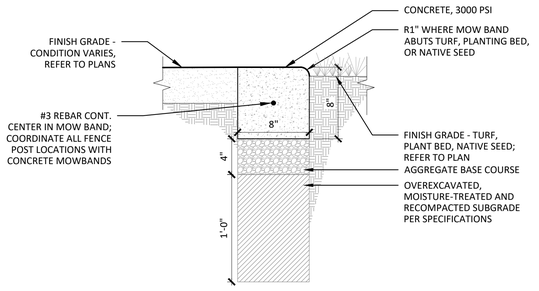
SITE PLAN SUBMITTAL

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THE SQUARES ABOVE ARE COLOR: WITH BLACK-AND-WHITE TOTAL & PRINTS CORRECTLY

C M Y K



SECTION

NOTES:
1. PROVIDE CONTROL JOINTS AT 10' O.C. MIN. OR MATCH ADJACENT CONCRETE PAVING JOINTS, TYPICAL
2. PROVIDE EXPANSION JOINT WHERE MOW BAND ABUTS FIXED STRUCTURE SUCH AS FACE OF BUILDING, WALLS, CURBS, UTILITY STRUCTURES, ETC.
3. TOP OF CONCRETE MOW BAND TO BE THE FOLLOWING DIMENSION ABOVE TOP OF ADJACENT MATERIAL:
   - 1.5" ABOVE NATIVE SEED OR PLANTING BED
   - FLUSH WITH ADJACENT PAVING
4. WHERE FENCING INSTALLED ON MOW BAND, WIDTH OF MOWBAND SHALL BE 12".

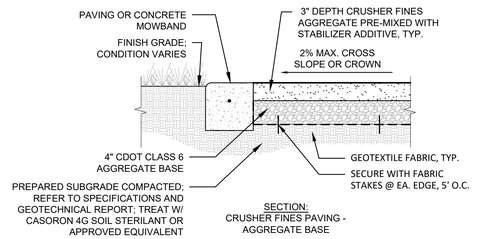
B1 CONCRETE MOWBAND

1 1/2" = 1'-0"

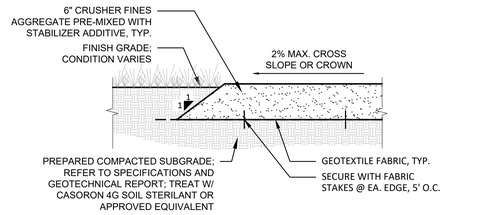
SECTION

B2 CONCRETE PLANTER CURB (ALTERNATE NO. 03)

1-1/2" = 1'-0"



SECTION:
CRUSHER FINES PAVING - AGGREGATE BASE



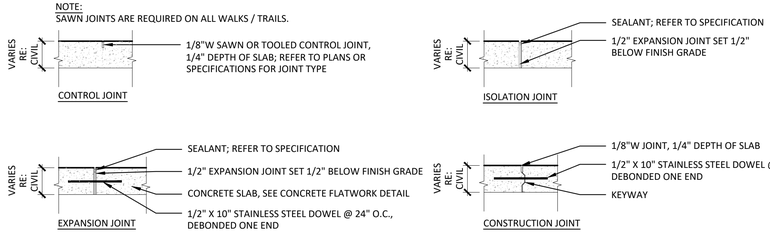
SECTION:
CRUSHER FINES PAVING - TRAIL

NOTES:
1. FINES TO BE COMPACTED UNTIL MATERIAL IS FIRMLY LOCKED TOGETHER.
2. MATERIALS SHALL BE A MIN. 3" DEEP AFTER COMPACTION.
3. CROSS SLOPES SHALL BE 1% MIN. TO 2% MAX. WITH NO DEPRESSIONS TO COLLECT WATER.

B3 STABILIZED CRUSHER FINES PAVING

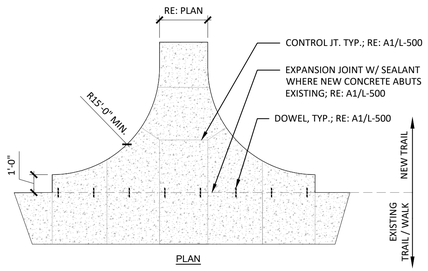
1" = 1'-0"

NOTE:
SAWN JOINTS ARE REQUIRED ON ALL WALKS / TRAILS.



A1 CONCRETE PAVEMENT JOINTING

3/4" = 1'-0"

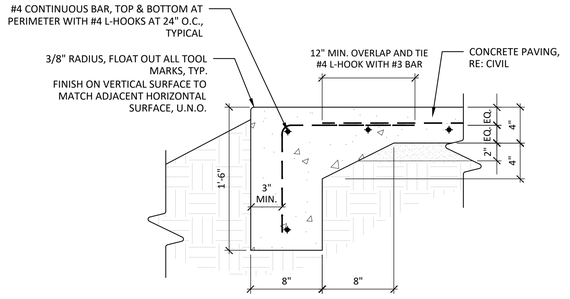


PLAN

NOTE:
TRAIL INTERSECTIONS SHALL BE AS PERPENDICULAR AS POSSIBLE (NO LESS THAN 70 DEGREES).

A3 CONCRETE TRAIL ENLARGEMENT

1/4" = 1'-0"



A4 HUB PAVING THICKENED EDGE (ALTERNATE NO. 01)

1-1/2" = 1'-0"

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Key Map

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SITE DETAILS- 1

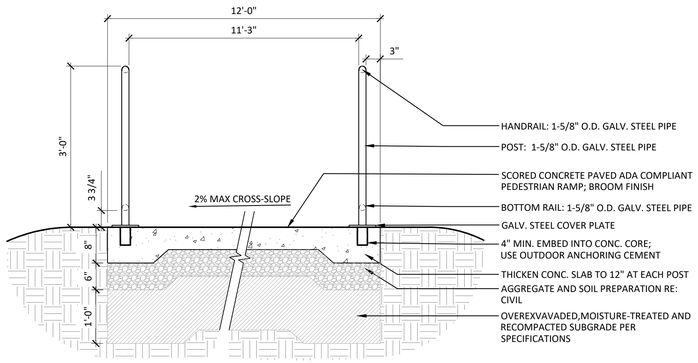
L-500

SITE PLAN SUBMITTAL

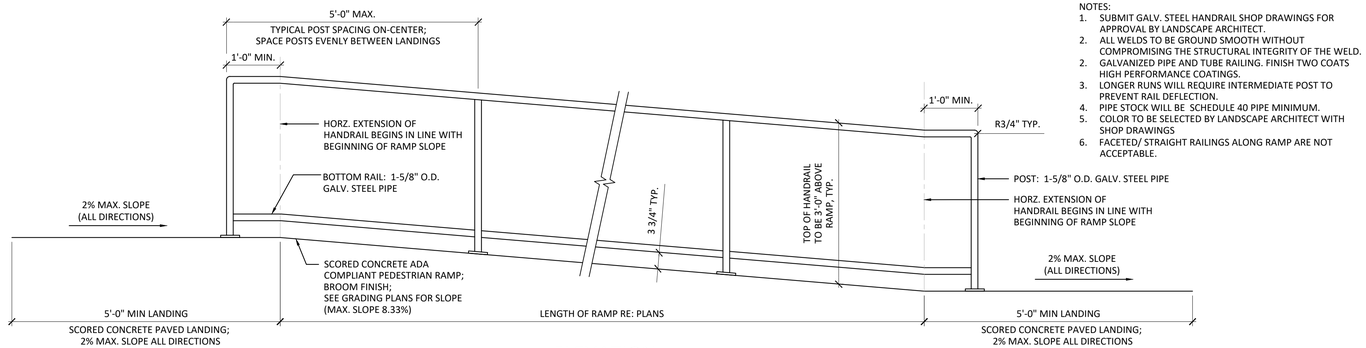
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SECTION

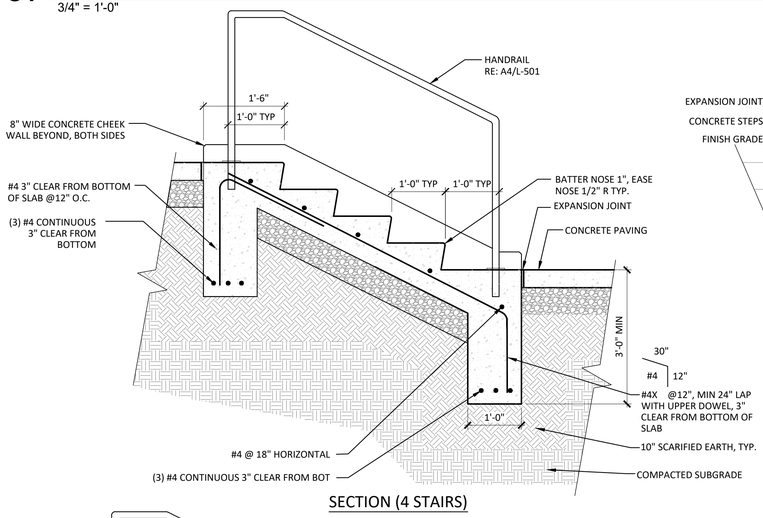


ELEVATION

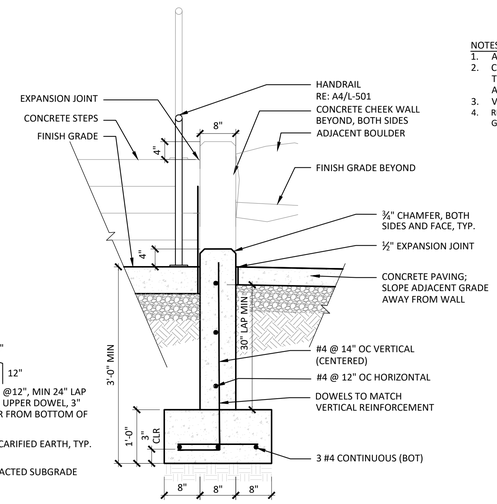
NOTES:
1. SUBMIT GALV. STEEL HANDRAIL SHOP DRAWINGS FOR APPROVAL BY LANDSCAPE ARCHITECT.
2. ALL WELDS TO BE GROUND SMOOTH WITHOUT COMPROMISING THE STRUCTURAL INTEGRITY OF THE WELD.
2. GALVANIZED PIPE AND TUBE RAILING. FINISH TWO COATS HIGH PERFORMANCE COATINGS.
3. LONGER RUNS WILL REQUIRE INTERMEDIATE POST TO PREVENT RAIL DEFLECTION.
4. PIPE STOCK WILL BE SCHEDULE 40 PIPE MINIMUM.
5. COLOR TO BE SELECTED BY LANDSCAPE ARCHITECT WITH SHOP DRAWINGS
6. FACETED/ STRAIGHT RAILINGS ALONG RAMP ARE NOT ACCEPTABLE.

C1 CONCRETE RAMP

3/4" = 1'-0"

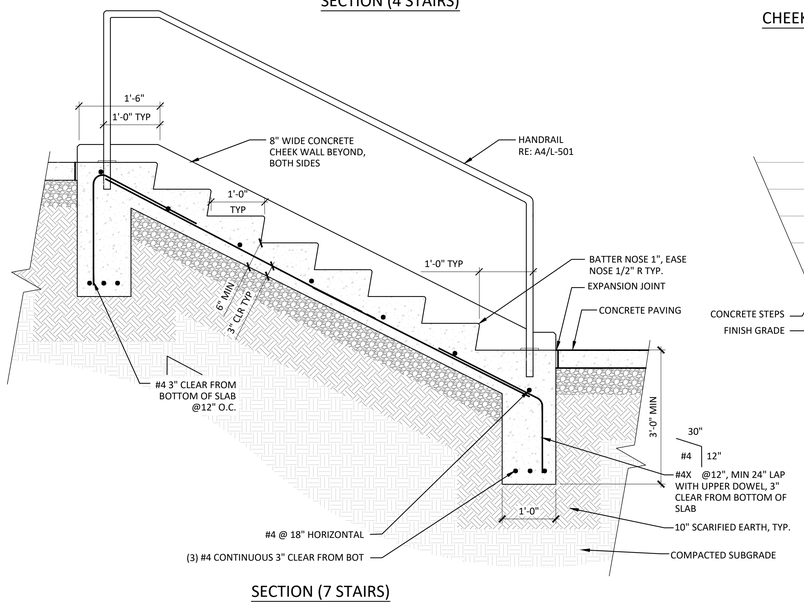


SECTION (4 STAIRS)

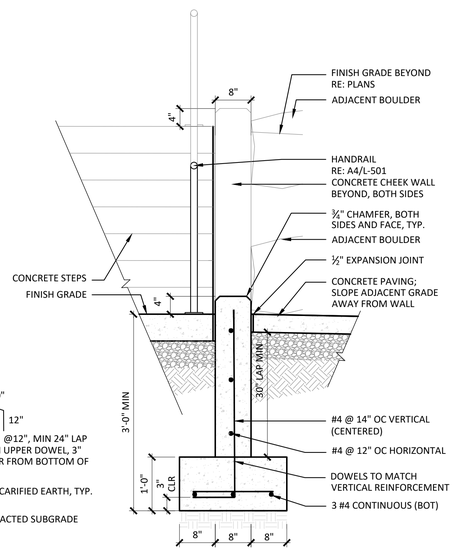


CHEEKWALL SECTION (4 STAIRS)

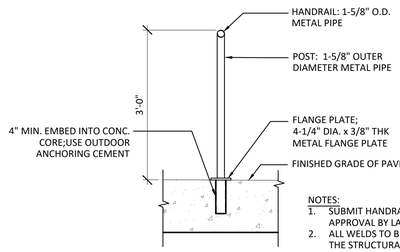
NOTES:
1. ALL RISERS SHALL BE EQUAL HEIGHT.
2. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS PRIOR TO INSTALLATION FOR APPROVAL BY LANDSCAPE ARCHITECT.
3. VERIFY NUMBER OF RISERS WITH GRADING PLAN.
4. RE: CIVIL AND GRADING PLAN FOR WALL AND ADJACENT GRADE ELEVATIONS.



SECTION (7 STAIRS)



CHEEKWALL SECTION (7 STAIRS)



POST ANCHORING

NOTES:
1. SUBMIT HANDRAIL SHOP DRAWINGS AND PRODUCT SAMPLES FOR APPROVAL BY LANDSCAPE ARCHITECT.
2. ALL WELDS TO BE GROUND SMOOTH WITHOUT COMPROMISING THE STRUCTURAL INTEGRITY OF THE WELD.
3. FINISH SHALL BE PAINTED, COLOR: BY LANDSCAPE ARCHITECT
4. LONGER RUNS WILL REQUIRE INTERMEDIATE POST TO PREVENT RAIL DEFLECTION.
5. PIPE STOCK WILL BE SCHEDULE 40 PIPE MINIMUM.

A1 CONCRETE STAIRS

3/4" = 1'-0"

A4 HANDRAIL

3/4" = 1'-0"

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Key Map

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SITE DETAILS- 2

L-501

SITE PLAN SUBMITTAL
Page 185 of 311

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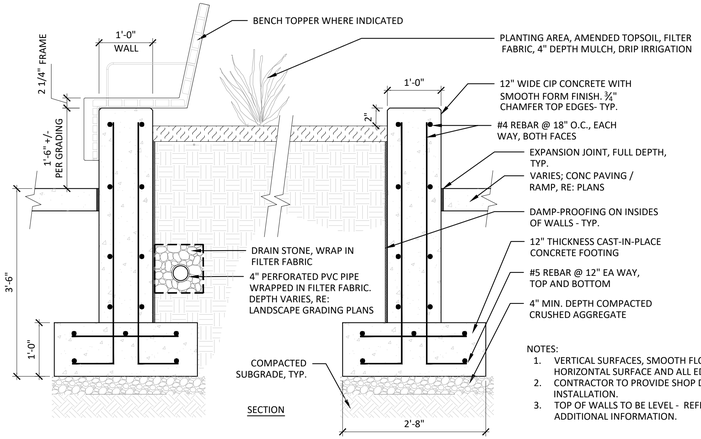
IMAGE SHOWN FOR REFERENCE ONLY

BENCH TOPPER:
BENCH TOPPER MANUFACTURER: SITE PIECES
MODEL: MONOLINE TOPPER WITH BACKREST, ARM RESTS AND METAL EDGE FRAME.

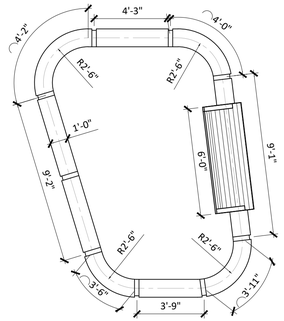
PROVIDE ENGINEERED SHOP DRAWINGS PRIOR TO INSTALLATION.

FRAME COLOR: GLACIAL BLUE

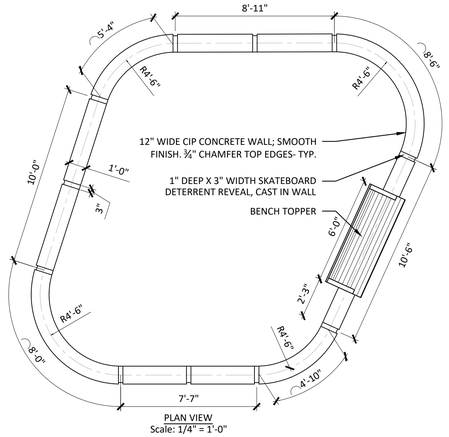
NOTE: BENCH TOPPER TO BE INSTALLED ON CIP CONCRETE PLANTER AND PRECAST PLANTER WALL. COORDINATE SO SKATE STOPPERS ARE NOT LOCATED WITHIN BENCH AREA.



NOTES:
1. VERTICAL SURFACES, SMOOTH FLOAT FINISH HORIZONTAL SURFACE AND ALL EDGES TO BE RUBBED SMOOTH.
2. CONTRACTOR TO PROVIDE SHOP DRAWINGS PRIOR TO INSTALLATION.
3. TOP OF WALLS TO BE LEVEL - REFER TO GRADING PLANS FOR ADDITIONAL INFORMATION.

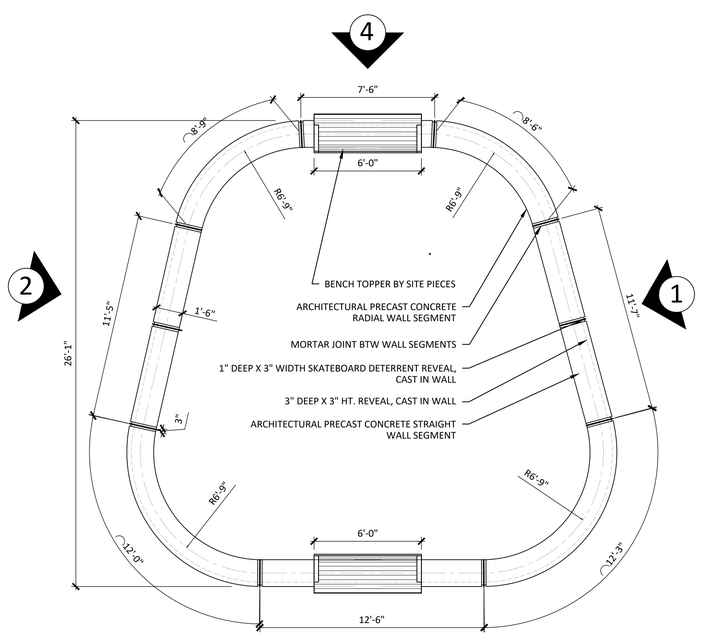


PLAN VIEW
Scale: 1/4" = 1'-0"



PLAN VIEW
Scale: 1/4" = 1'-0"

C1 CIP CONCRETE PLANTER
3/4" = 1'-0"



PLAN VIEW
Scale: 1/4" = 1'-0"



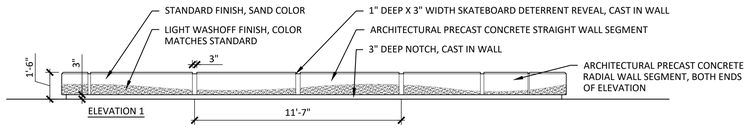
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MODEL: MONOLINE TOPPER WITH BACKREST, ARM RESTS AND METAL EDGE FRAME.

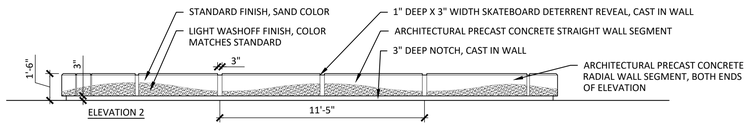
PROVIDE ENGINEERED SHOP DRAWINGS PRIOR TO INSTALLATION.

FRAME COLOR: GLACIAL BLUE

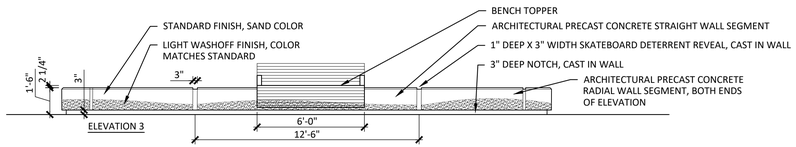
NOTE: BENCH TOPPER TO BE INSTALLED ON CIP CONCRETE PLANTER AND PRECAST PLANTER WALL. COORDINATE SO SKATE STOPPERS ARE NOT LOCATED WITHIN BENCH AREA.



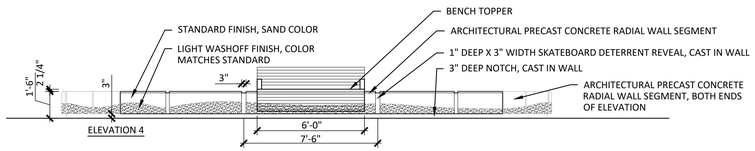
ELEVATION 1



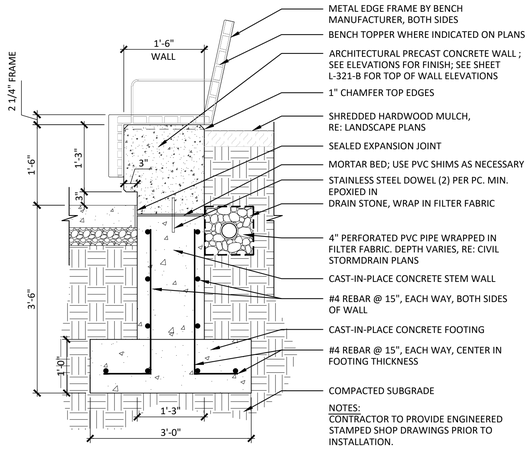
ELEVATION 2



ELEVATION 3



ELEVATION 4



SECTION WITH BENCH TOPPER
Scale: 3/4" = 1'-0"

NOTES:
CONTRACTOR TO PROVIDE ENGINEERED STAMPED SHOP DRAWINGS PRIOR TO INSTALLATION.

A1 PRECAST CONCRETE PLANTER WALL
1 1/2" = 1'-0"

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SALISBURY PARK NORTH - PHASE 1
11700 MOTSENBOCKER RD
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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

	DATE	DESCRIPTION

Project Number: 223072.00
Sheet Issue Date: 2024-11-22
Drawn By: EH, LW, ED, MS, AG
Checked By: RB, CB, DD

Key Map

Drawing
SITE DETAILS- 3

L-502

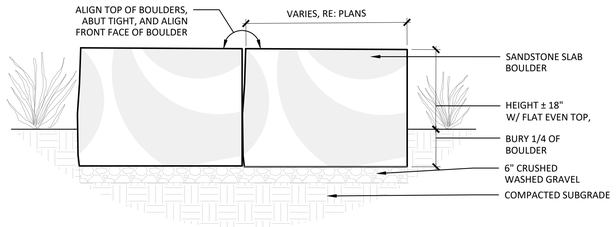
SITE PLAN SUBMITTAL

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THE LINE SHOWN ABOVE IS 1" LONG WHEN PRINTED AT FULL SIZED SHEETS ORIGINAL PAGE SIZE

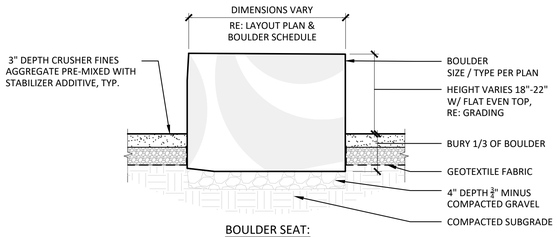
THE SQUARES ABOVE ARE COLOR: WITH BLACK AND WHITE TESTING PURPOSES

K Y M C

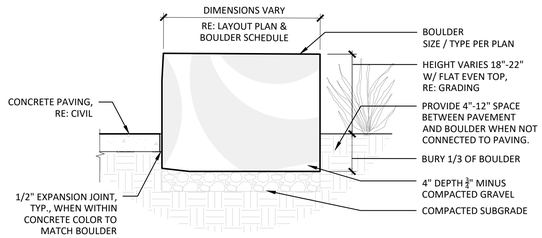


BOULDER SEAT:
IN PLANTING BED

NOTES:
1. BOULDERS TO BE PRAIRIE GOLD FROM LYONS SANDSTONE AND QUARRY. QUARRIED TO SIZE ON PLANS.
2. DO NOT FRACTURE BOULDER DURING PLACEMENT, SUCH ACTION WILL BE CAUSE FOR REJECTION.
3. SELECT AND PLACE BOULDER SO THAT A MINIMUM OF EXCAVATION SCARS ARE VISIBLE.
4. BOULDER PLACEMENT SHALL BE STAKED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
5. REFERENCE PLAN FOR BOULDER TYPE, SELECTION, AND SUPPLIER.
6. ALIGN TOP OF ALL BOULDERS WHEN PLACED IN A ROW.



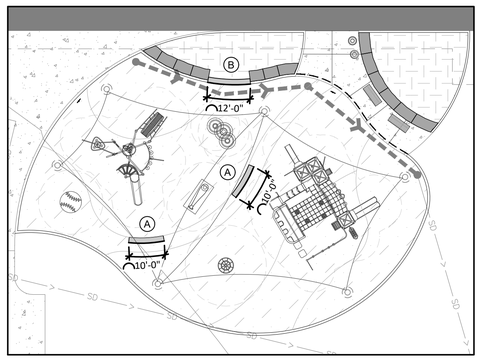
BOULDER SEAT:
IN CRUSHER FINES



BOULDER SEAT:
IN CONCRETE

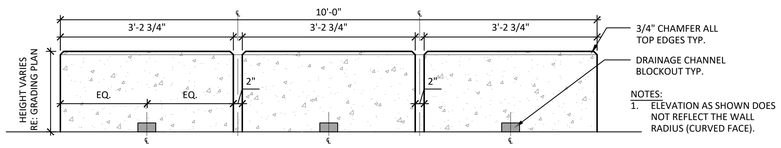
C1 BOULDER SEATWALL

3/4" = 1'-0"



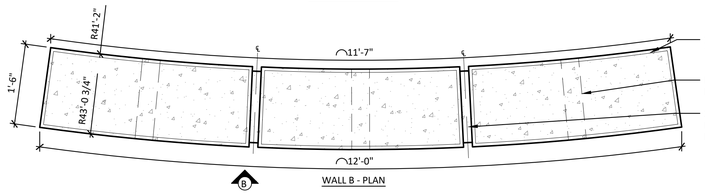
KEY PLAN

WALL A - PLAN

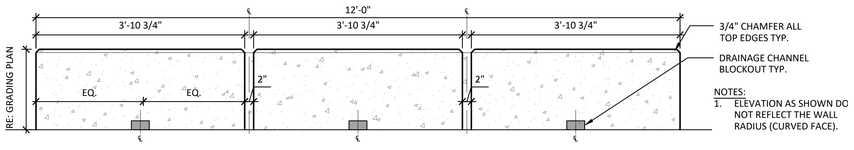


NOTES:
1. ELEVATION AS SHOWN DOES NOT REFLECT THE WALL RADIUS (CURVED FACE).

WALL A - ELEVATION



WALL B - PLAN



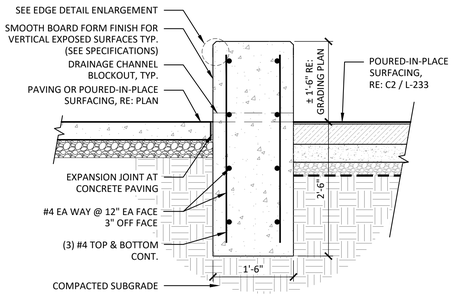
NOTES:
1. ELEVATION AS SHOWN DO NOT REFLECT THE WALL RADIUS (CURVED FACE).

WALL B - ELEVATION



ELEVATION - EDGE DETAIL ENLARGEMENT

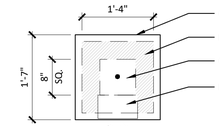
NOTES:
1. RUBBED OR SKIM COAT FINISH WILL NOT BE ACCEPTED. SMOOTH FLOAT FINISH TOP HORIZONTAL SURFACE.
2. CIP SITE WALLS TO BE WOOD-FORM FINISH AND NOT METAL LOCKING ARMS. CUT BACK TIES.
3. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS PRIOR TO INSTALLATION.
4. CONTRACTOR TO PROVIDE 5'-0" MOCK-UP OF WALL FOR APPROVAL PRIOR TO INSTALLATION.



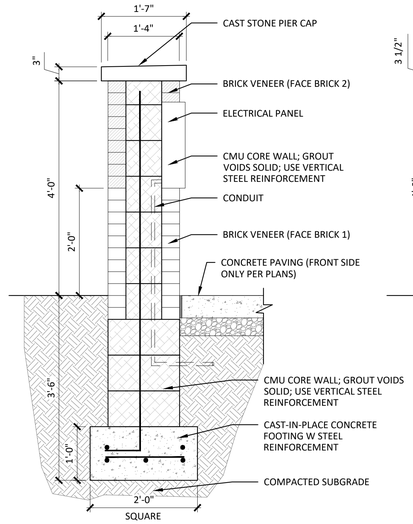
SECTION

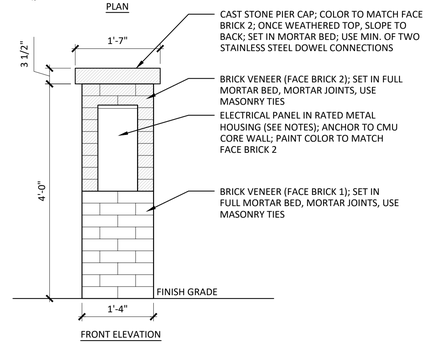
A1 CONCRETE SEATWALL (ALTERNATE NO. 03)

3/4" = 1'-0"



PLAN



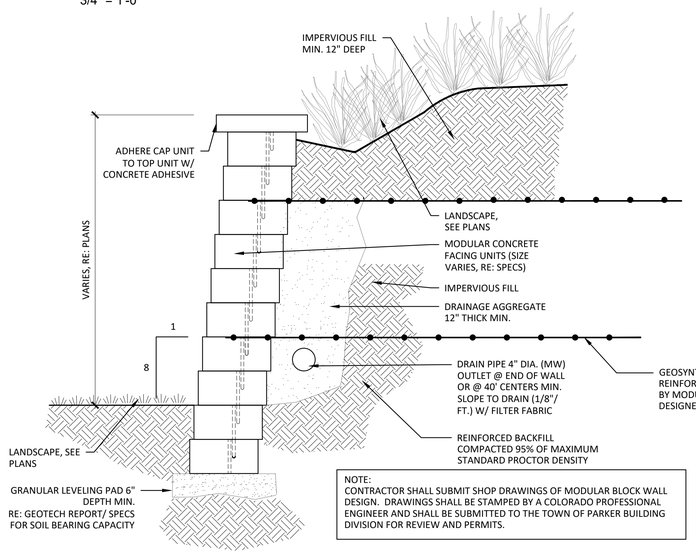


FRONT ELEVATION

NOTES:
1. METAL PANEL BASIS OF DESIGN:
   1.1. MILBANK MANUFACTURING
   1.2. MILLENNIUM 4 SERIES SURFACE MOUNT POWER OUTLET
   1.3. ENCLOSURE CONSTRUCTED OF 16 GAUGE GALVANIZED STEEL
   1.4. ENCLOSURE DIMENSIONS: 8-7/8" W x 19-1/4" H x 5-1/4 D
   1.5. SEE ELECTRICAL DRAWINGS
2. FACE BRICK 1 SHALL MATCH RESTROOM BUILDING MATERIAL 04-1, COLOR ALMOND.
3. FACE BRICK 2 SHALL MATCH RESTROOM BUILDING MATERIAL 04-2, COLOR PLATINUM.
4. PIER CAP COLOR SHALL MATCH FACE BRICK 2.
5. PANEL ENCLOSURE COLOR SHALL MATCH FACE BRICK 2.

C4 POWER PEDESTAL

3/4" = 1'-0"



NOTE:
CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF MODULAR BLOCK WALL DESIGN. DRAWINGS SHALL BE STAMPED BY A COLORADO PROFESSIONAL ENGINEER AND SHALL BE SUBMITTED TO THE TOWN OF PARKER BUILDING DIVISION FOR REVIEW AND PERMITS.

NOTES:
1. STRIP ALL VEGETATION AND ORGANIC SOIL FROM THE WALL AND GRID ALIGNMENT.
2. BENCH CUT ALL EXCAVATED SLOPES.
3. DO NOT OVER EXCAVATE.
4. OWNER'S GEOTECHNICAL ENGINEER SHALL VERIFY FOUNDATION SOILS AS BEING COMPETENT PER THE DESIGN STANDARDS AND PARAMETERS.
5. BASE SHALL CONSIST OF COMPACTED SANDS AND GRAVEL, MINIMUM 6'' THICK.
6. CONTRACTOR MAY OPT FOR A CONCRETE FOOTING. CONCRETE FOOTING SHALL BE UNREINFORCED, DEPTH OF CONCRETE (APPROXIMATELY 1'' TO 2'') AND COMPACTED SOIL BASE SHALL NOT BE LESS THAN 6'' THICK.
7. MINIMUM EMBEDMENT OF WALL BELOW FINISH GRADE SHALL BE 12'' FOR WALL HEIGHTS FROM 4 FT. AND UP, 6'' BELOW 4 FT. UNLESS SHOWN DIFFERENTLY.
8. FOLLOW APPLICABLE PROVISIONS OF THE MANUFACTURERS INSTALLATION INSTRUCTIONS AND WRITTEN SPECIFICATIONS.
9. DRAINAGE FILL 12'' THICK SHALL BE INSTALLED BEHIND THE WALL TO WITHIN 18'' OF THE TOP OF THE WALL.
10. WHERE DRAIN PIPE IS USED PROVIDE OUTLETS @ MIN. 40 FT O.C. WALL CONTRACTOR TO DETERMINE DRAIN PIPE NEEDS AND COORDINATE WITH DETENTION POND VOLUME TO ENSURE WALL DESIGN IS NOT IMPACTED BY POND FLOWS.
11. BACKFILL AND COMPACT IN FRONT OF THE WALL AS WALL IS INSTALLED.
12. COMPACTION TESTS SHALL BE TAKEN AS THE WALL IS INSTALLED. THE MINIMUM NUMBER OF TESTS SHALL BE DETERMINED BY THE OWNERS GEOTECHNICAL ENGINEER.
13. COMPACTION SHALL BE TO 95% OF MAXIMUM STANDARD PROCTOR DENSITY. LIFT THICKNESS TO BE NO MORE THAN 6'' UNCOMPACTED.
14. GEOGRID SHALL BE THE TYPE AND LENGTH AS SHOWN. PULL GEOGRID TIGHT PRIOR TO BACKFILLING.
15. PROVIDE LATERAL DRAINAGE SWALES TO DIRECT FLOWS AROUND THE ENDS OF THE WALL.
16. ESTABLISH TURF/ SEED AS SOON AS THE WALL IS COMPLETED. PROVIDE EROSION CONTROL FABRIC AT THE ENDS OF WALLS.
17. FINAL WALL ALIGNMENT SHALL BE LOCATED IN THE FIELD.
18. IF CONDITIONS ARE DIFFERENT THAN THOSE STATED IN THESE DRAWINGS AND SPECIFICATIONS , THE CONTRACTOR MUST CONTACT THE OWNER PRIOR TO PROCEEDING WITH THE CONSTRUCTION OF THE WALL.
19. PROVIDE WALL DETAILS FOR STORM PIPE INTERFACE FOR APPROVAL.

A4 MODULAR BLOCK RETAINING WALL

3/4" = 1'-0"

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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

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Drawn By:	EH, LW, ED, MS, AG
Checked By:	RB, CB, DD

Key Map

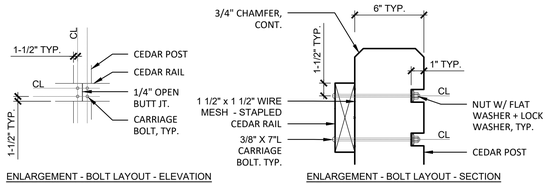
Drawing

SITE DETAILS- 4

L-503

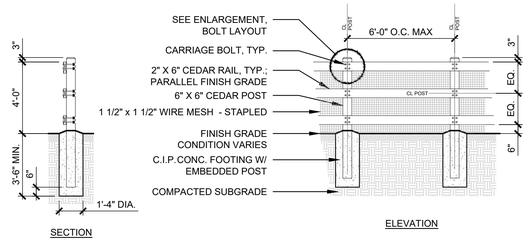
SITE PLAN SUBMITTAL

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ENLARGEMENT - BOLT LAYOUT - ELEVATION
SCALE: 1/2" = 1'-0"

ENLARGEMENT - BOLT LAYOUT - SECTION
N.T.S.

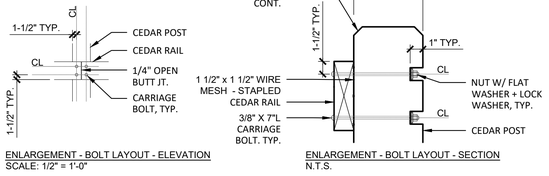


SECTION

ELEVATION

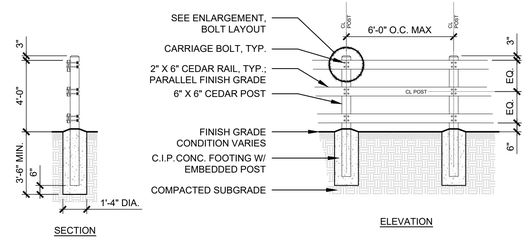
NOTES:
1. POSTS SHALL BE ROUGH-SAWN WESTERN RED CEDAR COMPLYING WITH THE FOLLOWING GRADING STANDARDS: NLGA 131 a,b,c; WCLIB 131 a,b,cc; WWPA 80.10, 80.11, 80.12.
2. RAILS SHALL BE ROUGH-SAWN, NO-HOLE KNOTTY APPEARANCE GRADE WESTERN RED CEDAR COMPLYING WITH THE FOLLOWING GRADING STANDARDS: NLGA 130 a,b,c; WCLIB 130 a,b,cc; WWPA 70.10, 70.11, 70.12.
3. ALL FASTENERS SHALL BE HOT-DIP GALVANIZED STEEL.
4. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW PRIOR TO CONSTRUCTION.

C1 NATURAL AREA FENCE
1/4" = 1'-0"



ENLARGEMENT - BOLT LAYOUT - ELEVATION
SCALE: 1/2" = 1'-0"

ENLARGEMENT - BOLT LAYOUT - SECTION
N.T.S.

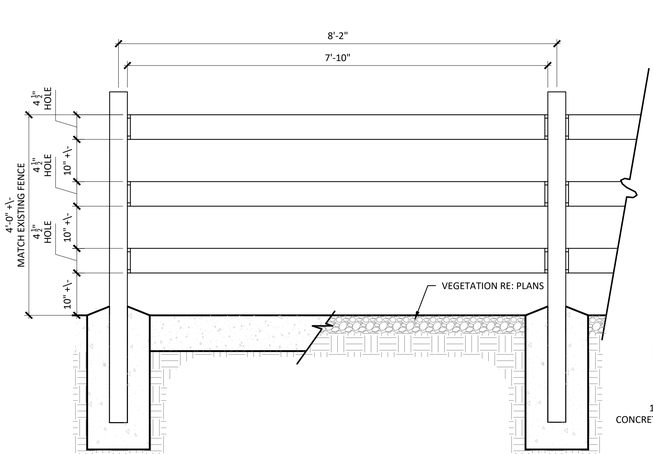


SECTION

ELEVATION

NOTES:
1. FENCE TO MATCH EXISTING FENCE HEIGHT, MATERIALS, HARDWARE AND FINISH. .
2. POSTS AND RAILS SHALL BE WESTERN RED CEDAR DIMENSIONAL LUMBER STANDARD GRADE WITH SURFACE FINISH
3. ALL FASTENERS SHALL BE HOT-DIP GALVANIZED STEEL.
4. PAINT ALL FENCING WHITE TO MATCH EXISTING.
5. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW PRIOR TO CONSTRUCTION.

C2 ARENA FENCE
1/4" = 1'-0"

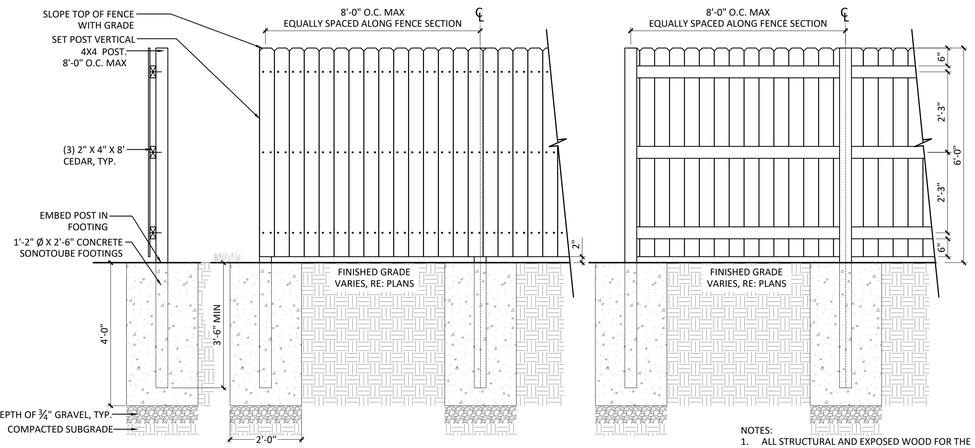


NOTES:
1. FENCE TO BE WESTERN RED CEDAR 3-RAIL SPLIT RAIL.
2. FENCE TO MATCH EXISTING FENCE IN SIZE AND MATERIALS.
3. PROVIDE SHOP DRAWINGS FOR APPROVAL.

ELEVATION

SECTION

C4 SPLIT RAIL FENCE
1/4" = 1'-0"



SECTION

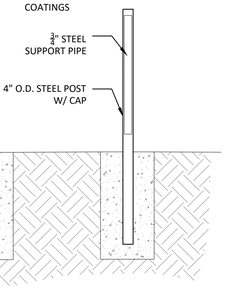
ELEVATION

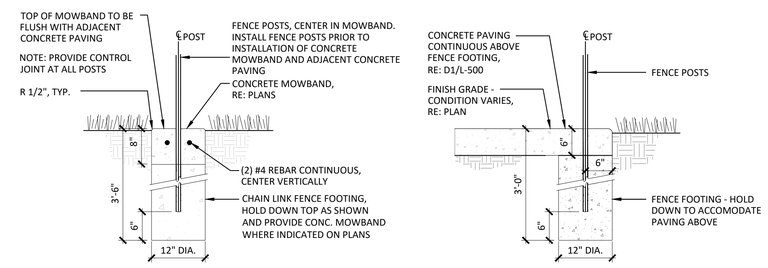
REAR ELEVATION

NOTES:
1. ALL STRUCTURAL AND EXPOSED WOOD FOR THE FENCE SHALL BE CEDAR. SEE SPECIFICATIONS.
2. ALL FASTENERS, ANCHORS, PLATES, AND ANGLES SHALL BE HOT DIPPED GALVANIZED AND POWDERCOATED. COLOR TO BE GRAPHITE BLACK RAL 9011 OR AS SELECTED BY LANDSCAPE ARCHITECT FROM FULL RANGE OF RAL COLORS.
3. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW PRIOR TO CONSTRUCTION.

B1 VEHICULAR ACCESS GATE
1/2" = 1'-0"

NOTES:
1. POSTS SHALL BE SET IN CONCRETE
2. A SECOND POST WILL BE SET 20' AWAY FROM SUPPORT POST TO LOCK PIPE GATE IN OPEN POSITION
3. ASSUMING 200 PSF SOIL PRESSURE
4. PROVIDE COLORADO STAMPED ENGINEERED DRAWINGS PRIOR TO FABRICATION FOR GATE AND FOOTING.
5. REFLECTIVE TAPE REQUIRED ON ALL POSTS
6. STEEL TAB REQUIRED ON ALL POSTS TO SECURE GATE OPEN AND CLOSE
7. FINISH TO BE GALVANIZED WITH TWO COATS OF HIGH PERFORMANCE COATINGS

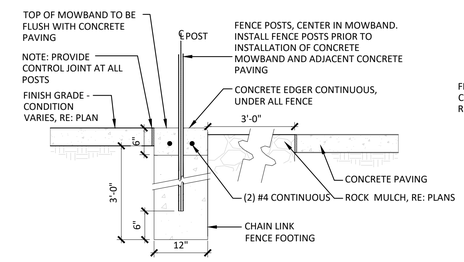




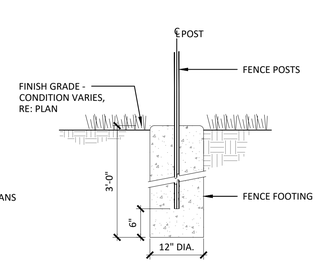
SECTION AT FENCE IN MOWBAND

SECTION AT FENCE IN PAVING

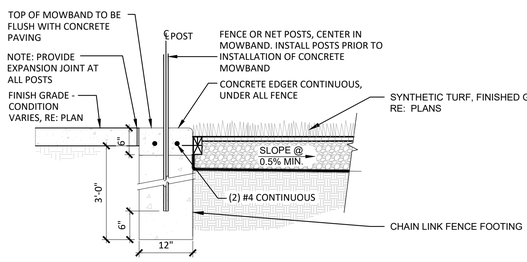
B4 WOOD PRIVACY FENCE
1/2" = 1'-0"



SECTION AT FENCE NEXT TO ROCK MULCH



SECTION AT PLANTING



SECTION AT FENCE NEXT TO SYNTHETIC TURF

NOTES:
1. FENCE FOOTING CONDITIONS IN THIS DETAIL AS SHOWN, UNLESS OTHERWISE NOTED IN OTHER FENCE DETAILS.
2. REFER TO SPECS FOR DETAILED FENCING INFORMATION.
3. ALL NUTS SHALL BE ON OUTSIDE OF FENCE. RE: SPECS FOR HARDWARE REQUIREMENTS.
4. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR OF CONSTRUCTION.
5. MAX 3 1/2" CLEAR BETWEEN FENCE POST & VERTICAL SURFACE.

A1 FENCE FOOTING
3/4" = 1'-0"

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SITE DETAILS - 5

L-504

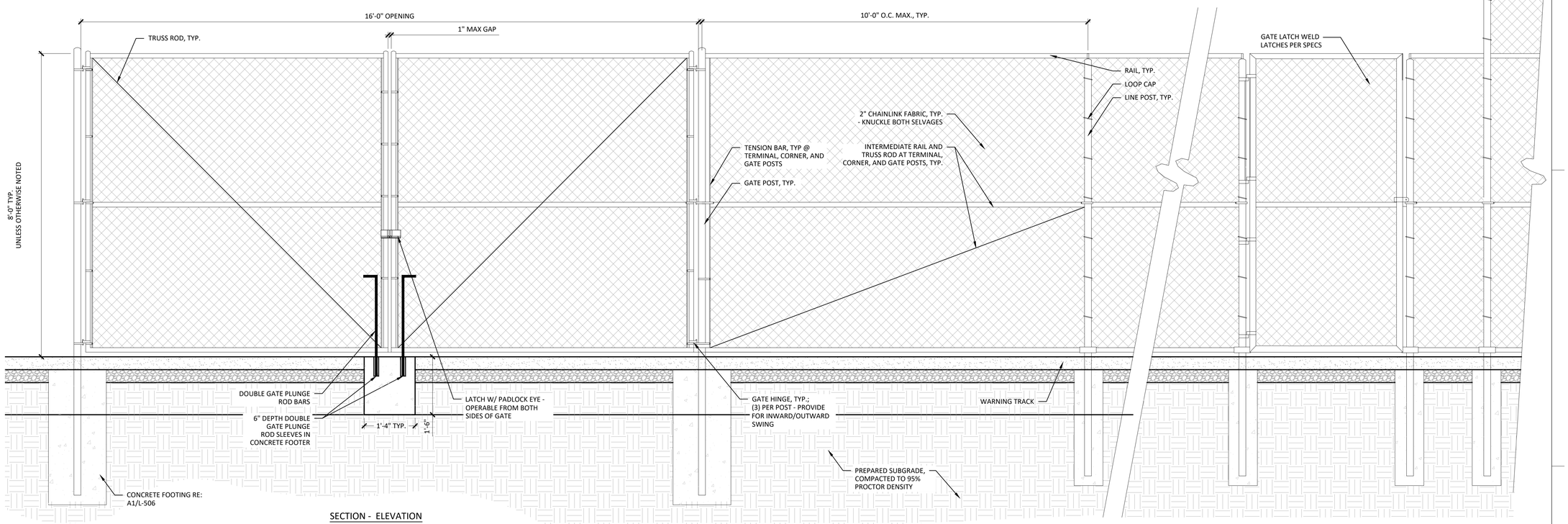
SITE PLAN SUBMITTAL
Page 188 of 311

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THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL DRAWINGS - THIS SHEETS ORIGINAL PAGE SIZE
THE SQUARES ABOVE ARE COLOR: WITH BLACK INSPIRATIONS & PRINTS CORRECTLY

THE LINE SHOWN ABOVE IS 1" LONG WHEN PRINTED AT THIS SHEETS ORIGINAL PAGE SIZE

THE SQUARES ABOVE ARE COLOR: WITH BLACK-AND-WHITE TOTAL PRINTED CORRECTLY

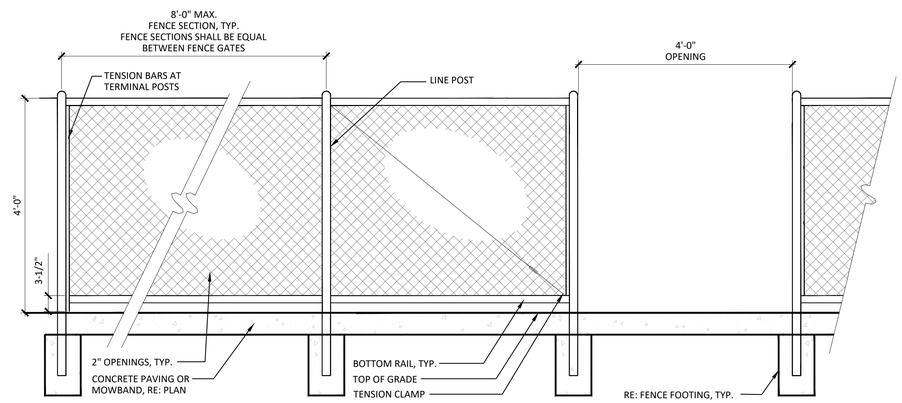


SECTION - ELEVATION

NOTES:
1. REFER TO MANUFACTURER'S SPECIFICATIONS FOR FENCE AND GATE INSTALLATION. ALL DIMENSIONS SHOWN ARE NOMINAL.
2. VERIFY HINGE AND LATCH CLEARANCES W/ MFR.
3. FENCE ASSEMBLY IS DELEGATED-DESIGN AND ALL POST AND COMPONENT SIZING SHALL BE VERIFIED WITH MFR. BASED ON STRUCTURAL PERFORMANCE AND LOADING CRITERIA OF LOCAL JURISDICTION. REFER TO SPECIFICATIONS.
4. 4000 PSI CONCRETE FOOTER, ALL POSTS.
5. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION.

B1 8' HT CHAIN LINK FENCE WITH OUTFIELD GATE AND 4' WIDE PEDESTRIAN GATE

3/4" = 1'-0"

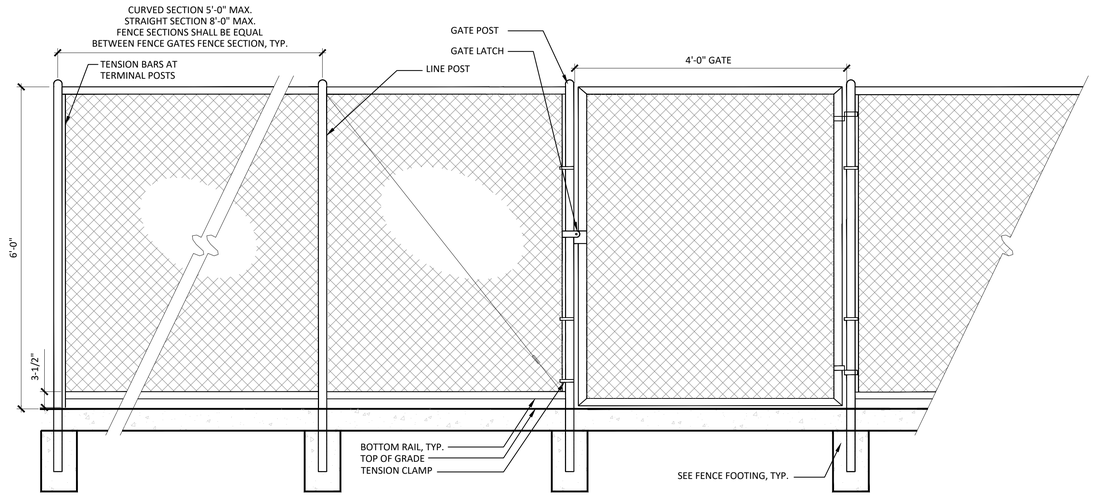


ELEVATION

NOTES:
1. RE: SPECIFICATIONS FOR DETAILED FENCING INFORMATION.
2. RE: FENCE FOOTING SECTION.
3. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION.

A1 4' CHAIN LINK FENCE

3/4" = 1'-0"



ELEVATION

NOTES:
1. RE: SPECIFICATION FOR DETAILED FENCING INFORMATION.
2. RE: FENCE FOOTING SECTION
3. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION.

A3 6' CHAIN LINK FENCE AND GATE

3/4" = 1'-0"

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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

	DATE	DESCRIPTION

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Drawn By:	EH, LW, ED, MS, AG
Checked By:	RB, CB, DD

Key Map

Drawing

SITE DETAILS - 6

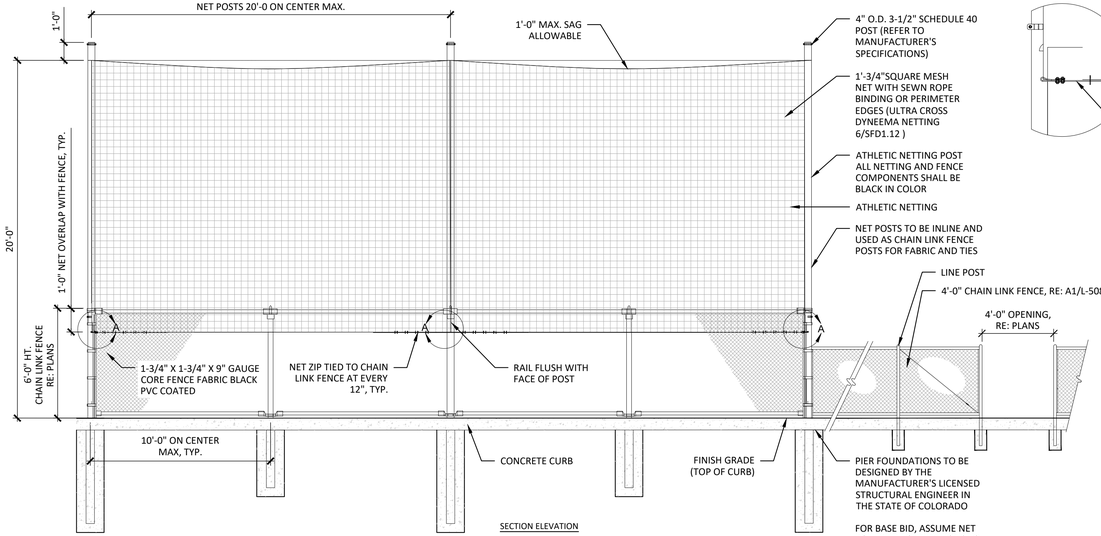
L-505

SITE PLAN SUBMITTAL

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SECTION ELEVATION

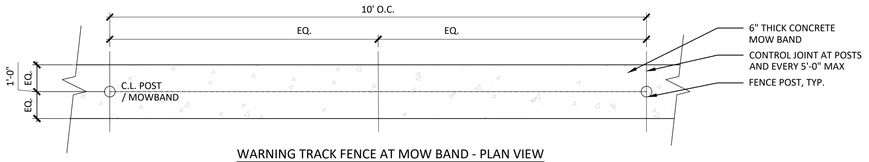
NOTES:
1. REQUIRED ENGINEERED SHOP DRAWINGS SIGNED AND SEALED BY A LICENSED COLORADO STRUCTURAL ENGINEER FOR COMPLETE NETTING, POLES AND FOUNDATIONS AS PART OF THE PRICE BID.
2. CONTRACTOR TO SUBMIT POST LOCATION PLAN FOR APPROVAL
3. ALL FENCING, POSTS, FABRIC AND ASSOCIATED HARDWARE TO BE BLACK PVC VINYL COATED.
4. BLACK VINYL PVC COATED TO BE CLASS 2B FUSED AND BONDED
5. ALL FENCE FABRIC UNDER BALL NETTING TO BE 1-3/4"x1-3/4" DIAMOND MESH
6. FENCE NOT DESIGNED FOR WIND SCREEN USE
7. ALL FENCE POST TO BE HIGH STRENGTH 50,000 PSI POST
8. BASIS OF DESIGN: SPORT FIELD SPECIALTIES BSS 415-SG (WWW.SPORTFIELDSPECIALTIES.COM)

C1 CHAIN LINK FENCE WITH ATHLETIC NETTING

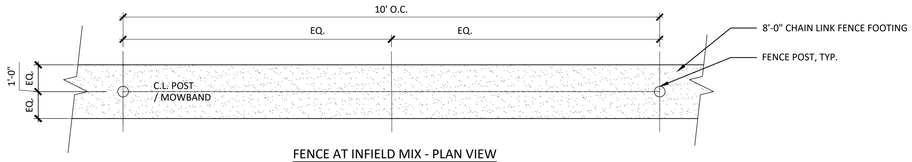
1/4" = 1'-0"



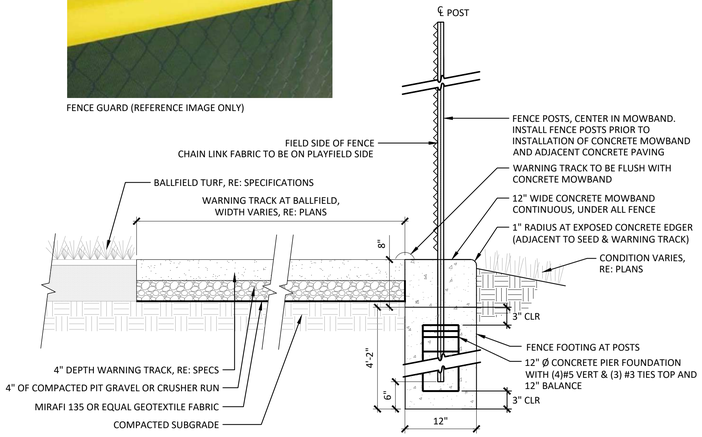
FENCE GUARD (REFERENCE IMAGE ONLY)



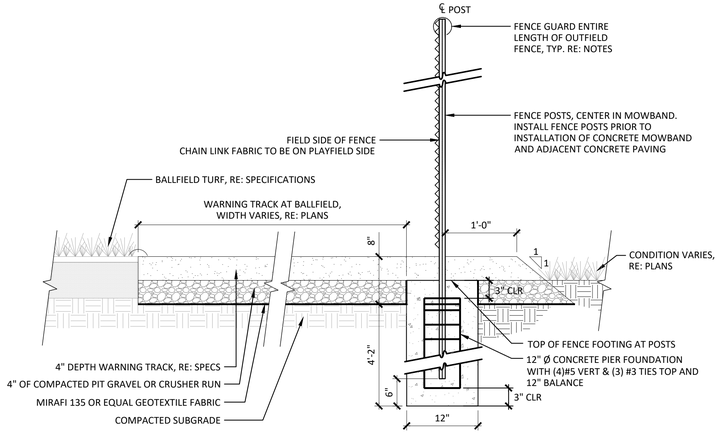
WARNING TRACK FENCE AT MOW BAND - PLAN VIEW



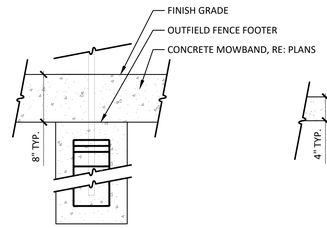
FENCE AT INFIELD MIX - PLAN VIEW



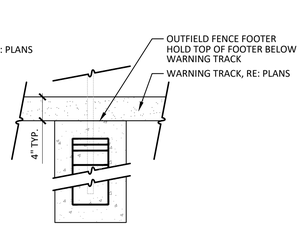
SIDELINE FENCE & WARNING TRACK / MOWBAND SECTION



OUTFIELD FENCE & WARNING TRACK SECTION



FOOTING SECTION AT MOWBAND



FOOTING SECTION AT WARNING TRACK

NOTES:
1. PROVIDE CONTROL JOINTS AT 20' O.C. OR MATCH ADJACENT CONCRETE PAVING JOINTS
2. TOP OF MOWBAND TO BE THE FOLLOWING DIMENSION ABOVE TOP OF ADJACENT MATERIAL: 1" ABOVE SEED AND 2" ABOVE SYNTHETIC TURF.
3. INSTALL FENCE GUARD ALONG FENCELINE WITHOUT ATHLETIC NETTING, LOCATION PER DRAWINGS. PRODUCT INFORMATION: BEACON ATHLETICS OR APPROVED EQUAL, FENCE GUARD - PREMIUM THICKNESS FENCE TOP PROTECTOR. COLOR: YELLOW.
4. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR FENCING AND FOOTINGS PRIOR TO INSTALLATION.

A1 OUTFIELD / SIDELINE FENCE & WARNING TRACK

1" = 1'-0"

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ARCHITECTURE
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Key Map

Drawing

SITE DETAILS - 7

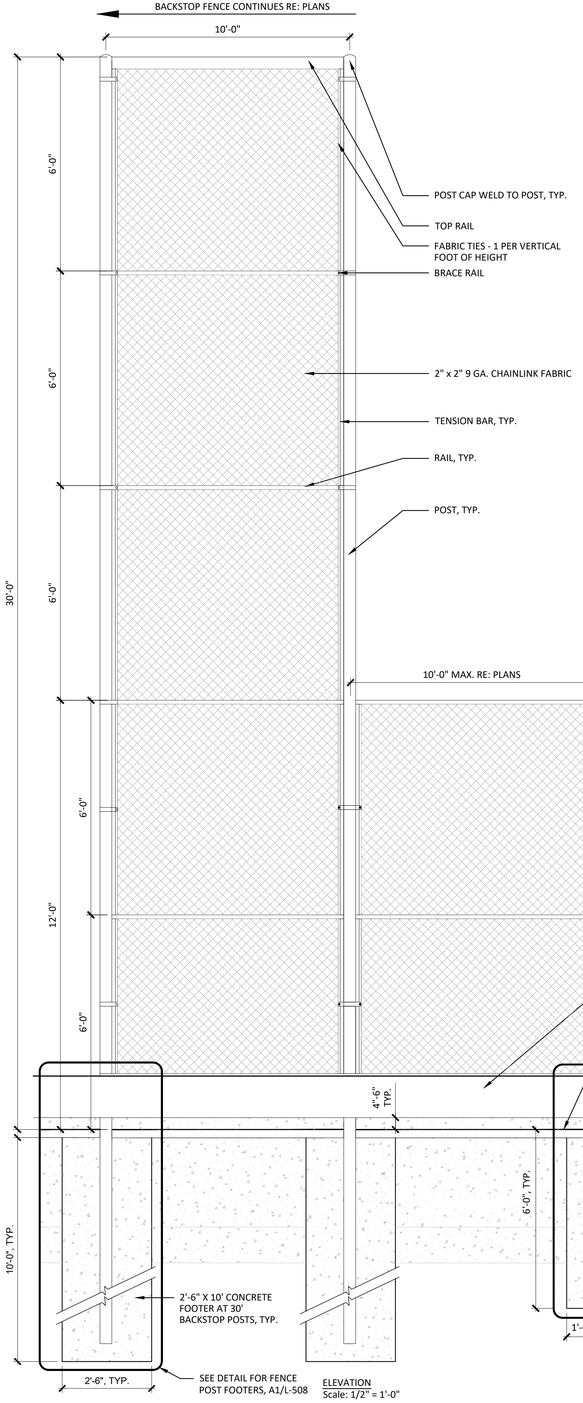
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SITE PLAN SUBMITTAL

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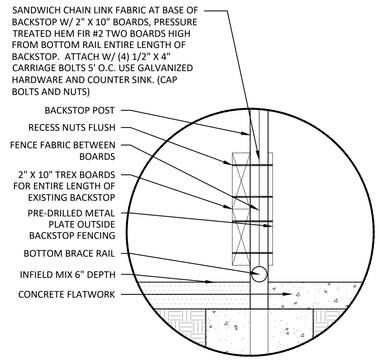
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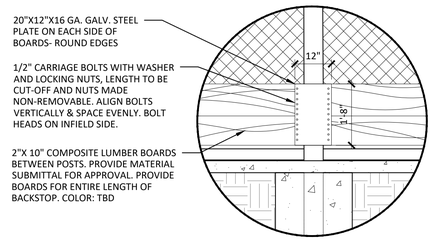
ELEVATION
Scale: 1/2" = 1'-0"

A1 BACKSTOP FENCE ON CONCRETE WALL

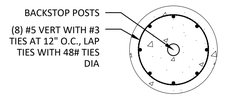
AS SHOWN



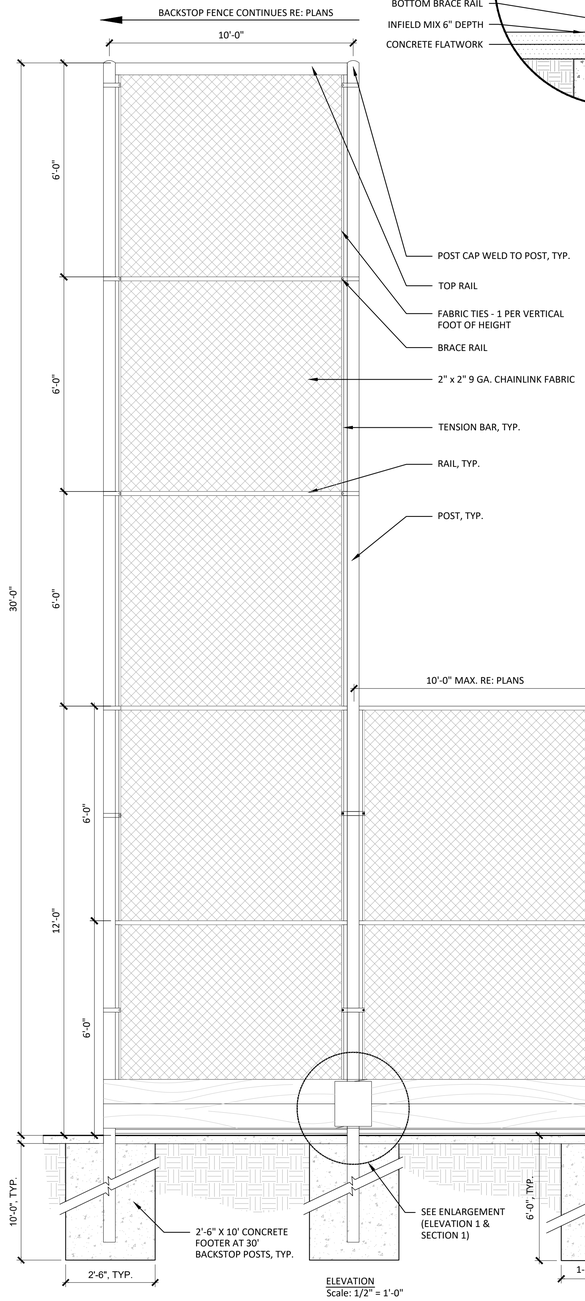
SECTION 1
SCALE: 1/4" = 1'-0"



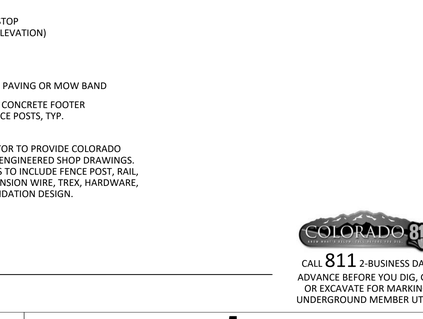
ELEVATION 1
SCALE: 1/4" = 1'-0"



FOOTING REBAR PLAN VIEW



ELEVATION
Scale: 1/2" = 1'-0"



SECTION:
Scale: 1/2" = 1'-0"

A3 BACKSTOP FENCE

AS SHOWN

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Key Map

Drawing

SITE DETAILS - 8

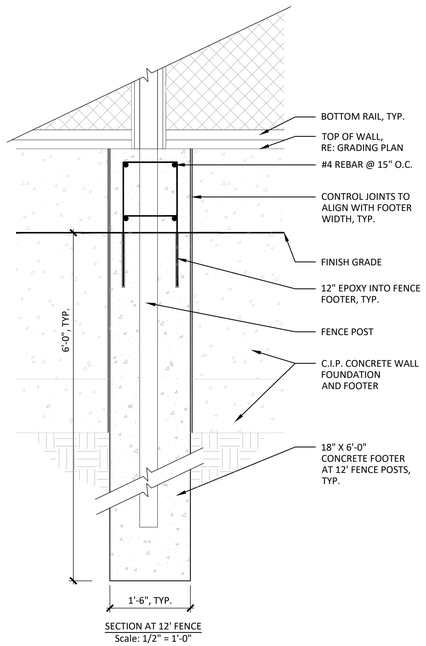
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SITE PLAN SUBMITTAL
Page 191 of 311

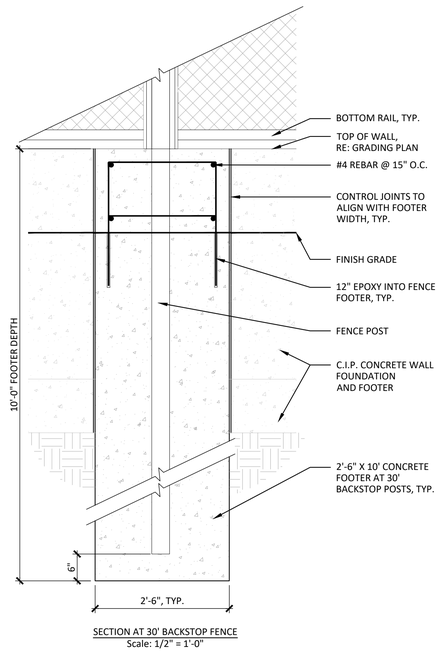
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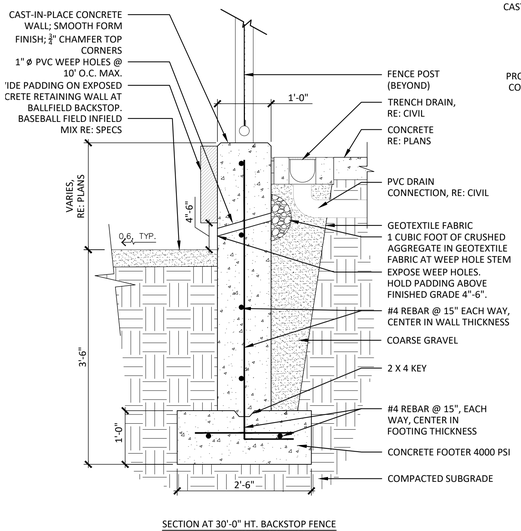
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SECTION AT 12' FENCE
Scale: 1/2" = 1'-0"

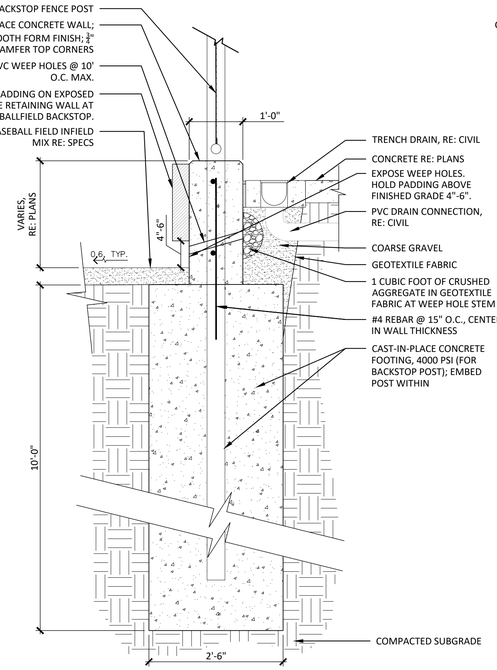


SECTION AT 30' BACKSTOP FENCE
Scale: 1/2" = 1'-0"

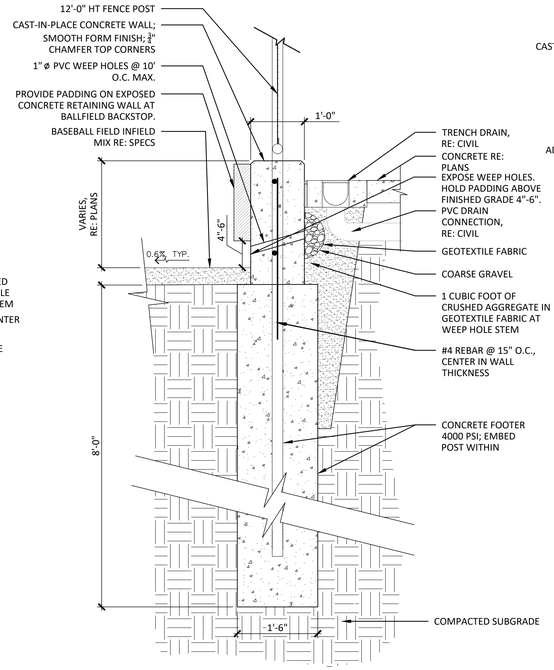


SECTION AT 30'-0" HT. BACKSTOP FENCE
BETWEEN POST FOOTINGS

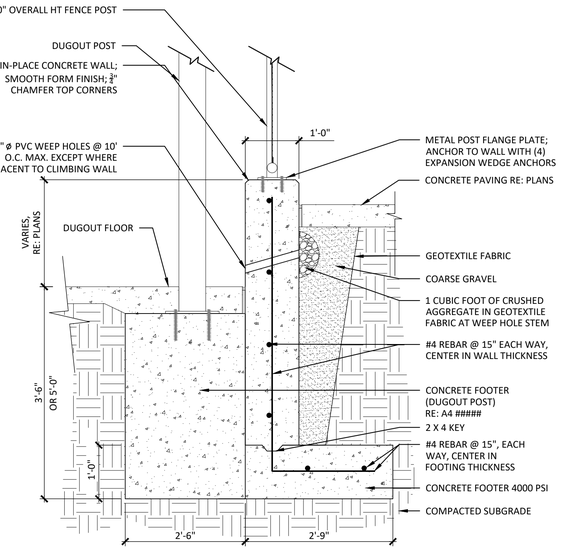
WALL PADS:
1. MANUFACTURER: SPORTFIELD SPECIALTIES
2. MODEL: BFWPZ-NSS BaseZone® Field Wall Pad, Z-Clip, Non-Standard Size
3. COLOR: TBD FROM MANUFACTURER'S FULL RANGE



SECTION AT 30'-0" HT. BACKSTOP FENCE
AT FENCE FOOTING



SECTION AT 12'-0" HT. FENCE
AT FENCE FOOTING



NOTES:
1. ALL CONCRETE WALL AND SLAB CONSTRUCTION TO BE PLACED ON COMPACTED SUBGRADE PER THE CONTRACT SPECIFICATIONS.

SECTION AT 8'-0" OVERALL HT. FENCE AT DUGOUT

A1 CONCRETE RETAINING WALL AT BALLFIELD

3/4" = 1'-0"

COLORADO 811
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Key Map

Drawing

SITE DETAILS - 9

L-508

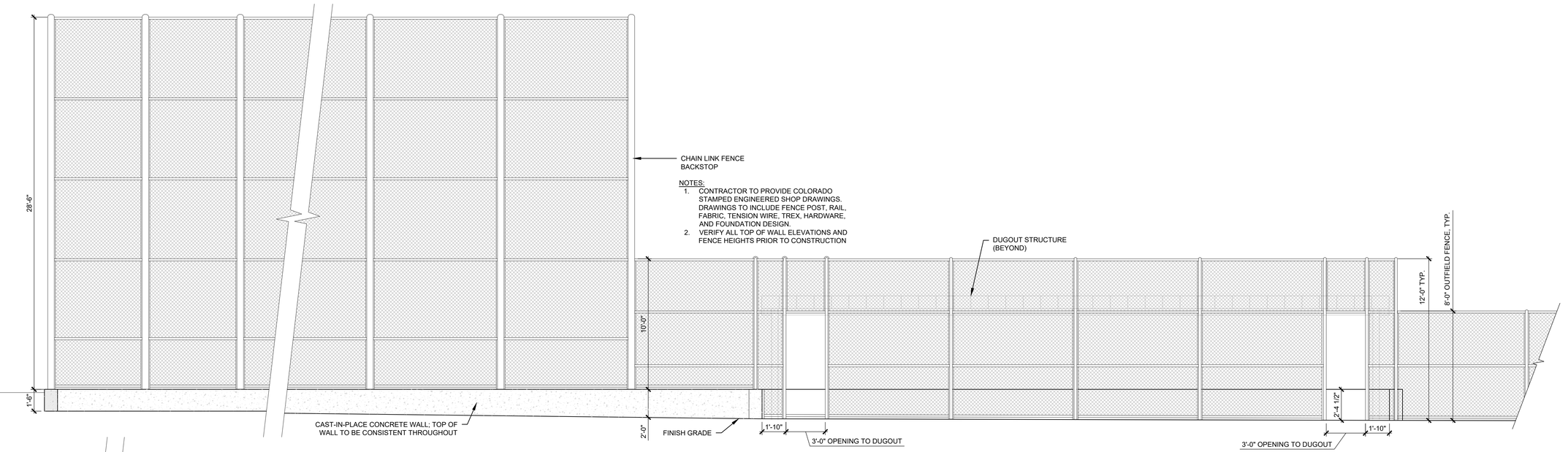
SITE PLAN SUBMITTAL

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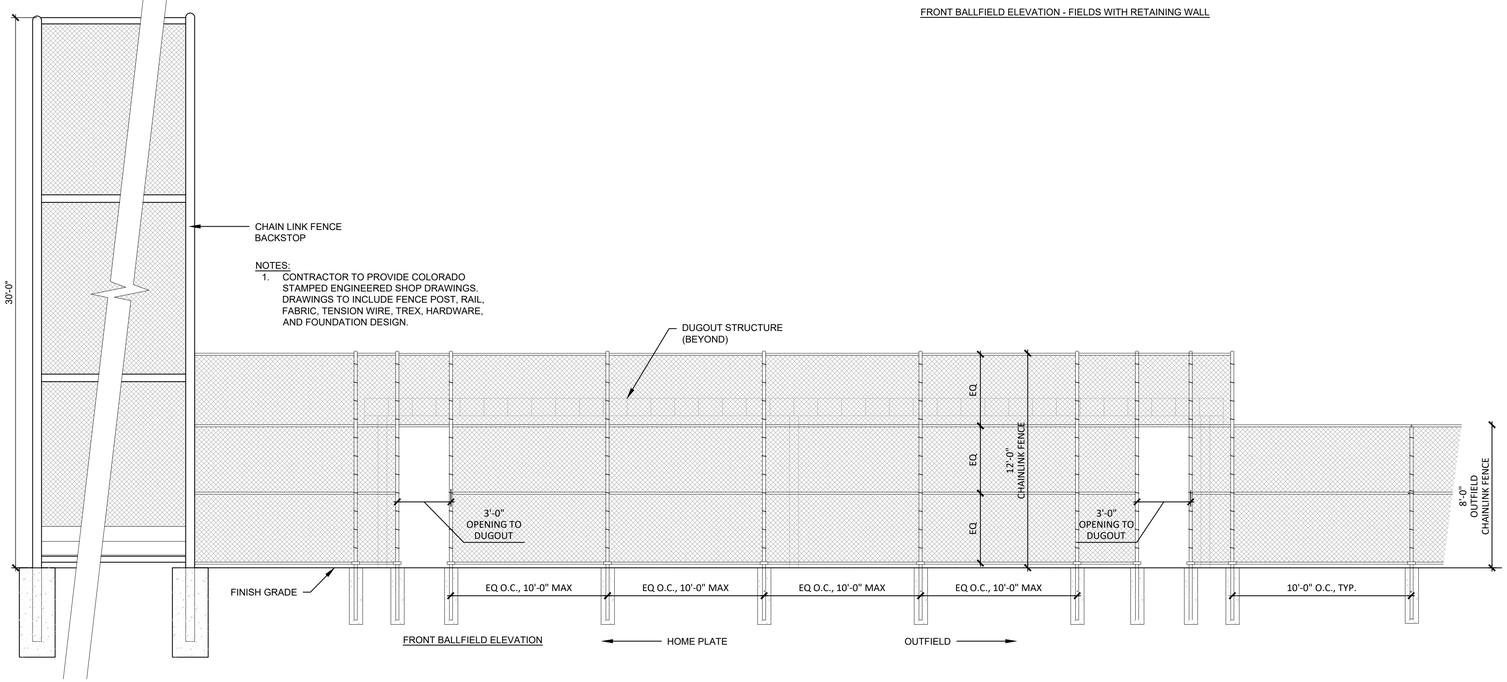
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THE SQUARES ABOVE ARE COLOR, WITH BLACK AND WHITE TOTAL 4 PRINTED CORRECTLY

C M Y K



FRONT BALLFIELD ELEVATION - FIELDS WITH RETAINING WALL



A1 BACKSTOP TO OUTFIELD FENCE ELEVATION

1/4" = 1'-0"

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ARCHITECTURE

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SITE DETAILS - 10

L-509

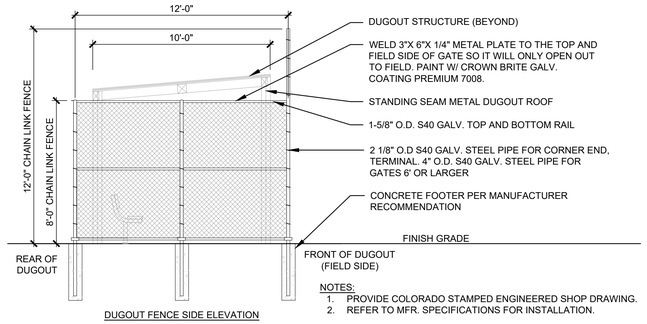
SITE PLAN SUBMITTAL
Page 193 of 311

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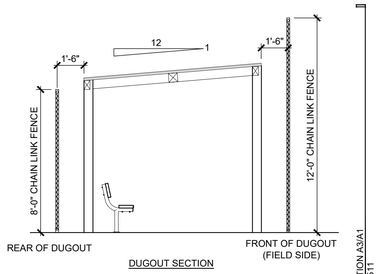
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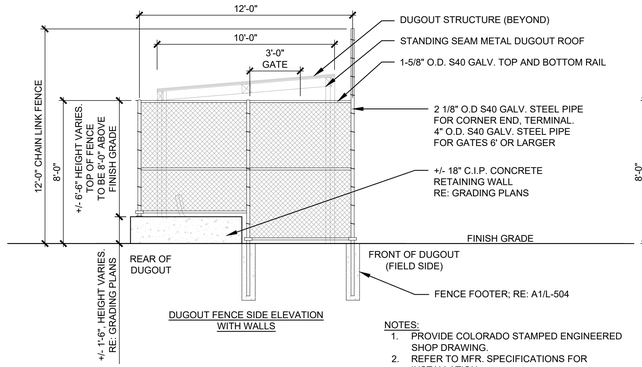
NOTES:
1. PROVIDE COLORADO STAMPED ENGINEERED SHOP DRAWING.
2. REFER TO MFR. SPECIFICATIONS FOR INSTALLATION.

DUGOUT FENCE SIDE ELEVATION



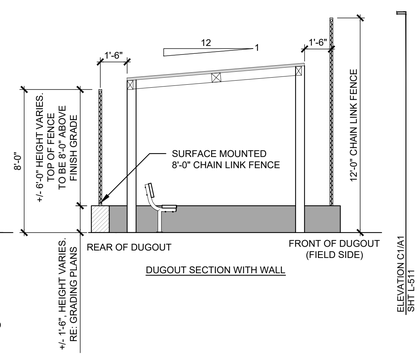
DUGOUT SECTION

ELEVATION A3/A1
SHT L-511



DUGOUT FENCE SIDE ELEVATION WITH WALLS

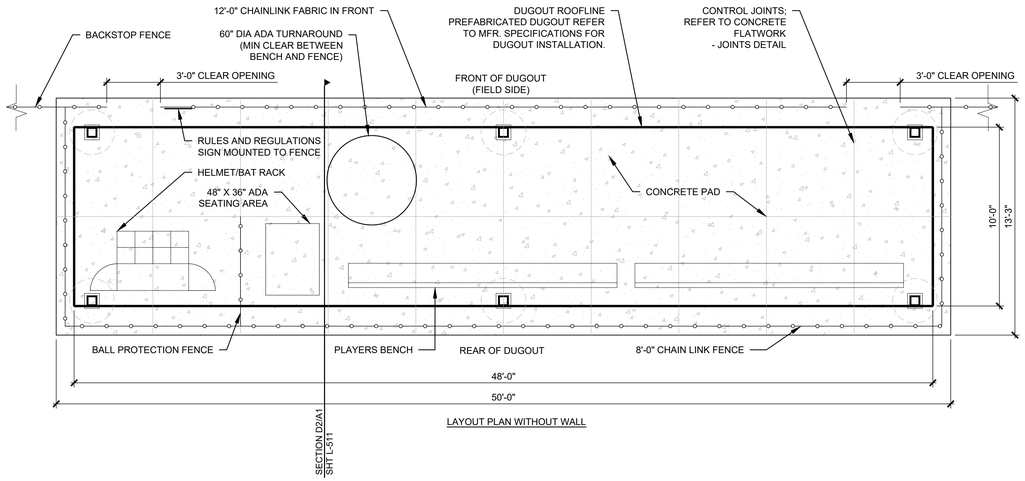
NOTES:
1. PROVIDE COLORADO STAMPED ENGINEERED SHOP DRAWING.
2. REFER TO MFR. SPECIFICATIONS FOR INSTALLATION.



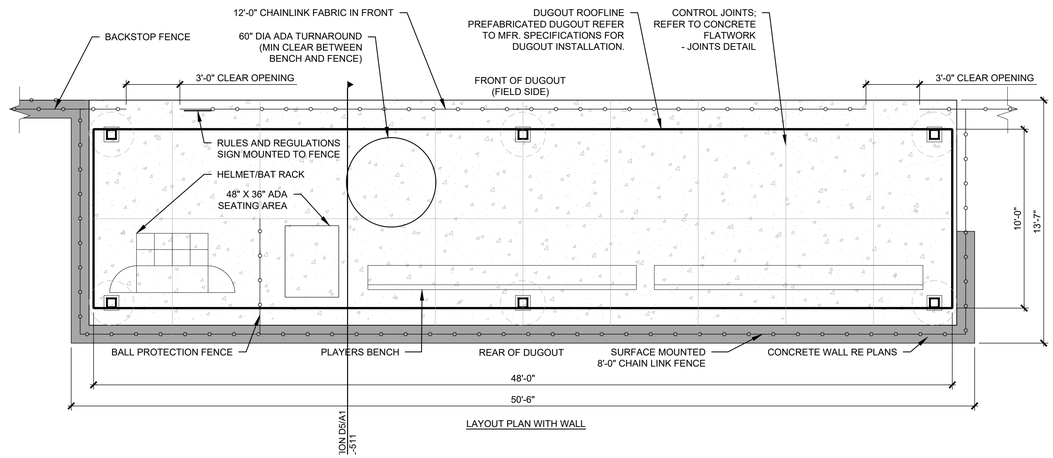
DUGOUT SECTION WITH WALL

ELEVATION C/A1
SHT L-511

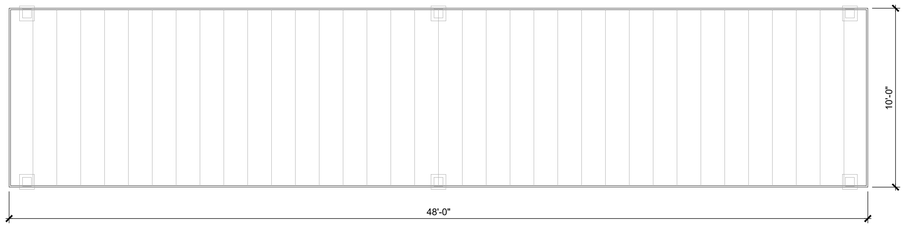
MANUFACTURER: ICON SHADE SYSTEMS
MODEL: MP10X48S-P2
DELEGATED DESIGN: PROVIDE ENGINEERED SHOP DRAWINGS STAMPED BY COLORADO PROFESSIONAL ENGINEERING FOR SHADE STRUCTURE AND FOUNDATIONS.
COLORS: POWER COAT MATTE BLACK (POSTS), SLATE GRAY (ROOF)



LAYOUT PLAN WITHOUT WALL

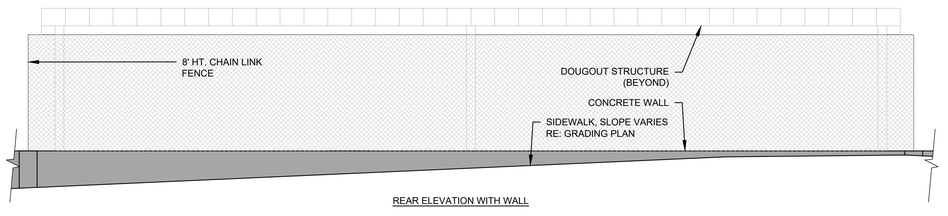


LAYOUT PLAN WITH WALL

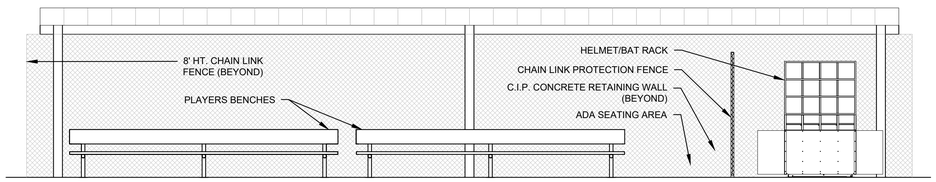


DUGOUT ROOF PLAN VIEW

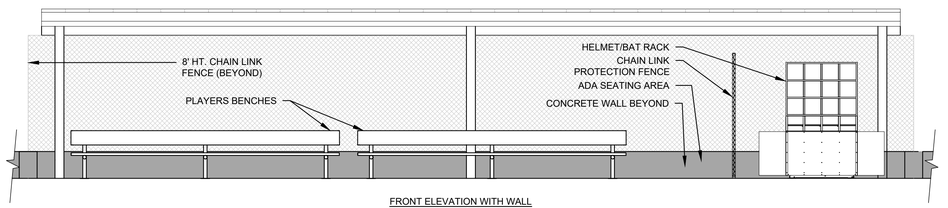
STEEL FRAME STRUCTURE:
POWDER COATED TUBULAR STEEL DESIGN
MEETS LOCAL BUILDING CODE REQUIREMENTS



REAR ELEVATION WITH WALL



FRONT ELEVATION (FIELD SIDE)



FRONT ELEVATION WITH WALL (FIELD SIDE)

A1 DUGOUT - 48' LENGTH

1/4" = 1'-0"

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p. 303.607.0977

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3000 Youngfield Street, #264
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ARCHITECTURE

LANDSCAPE ARCHITECTURE

PLANNING

INTERIOR DESIGN

	DATE	DESCRIPTION

Project Number:	223072.00
Sheet Issue Date:	2024-11-22
Drawn By:	EH, LW, ED, MS, AG
Checked By:	RB, CB, DD

Key Map

Drawing

SITE DETAILS - 11

L-510

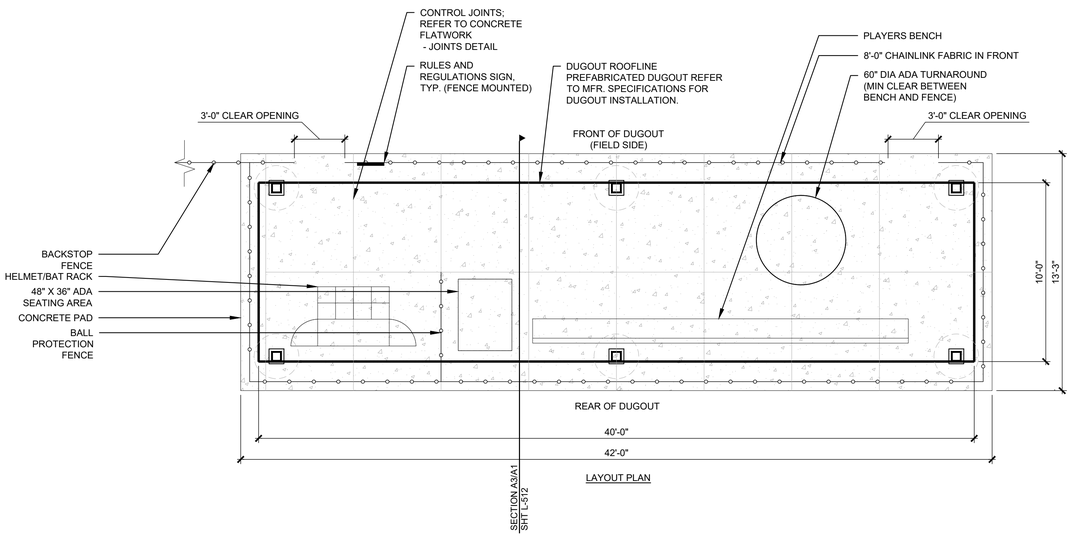
SITE PLAN SUBMITTAL
Page 194 of 311

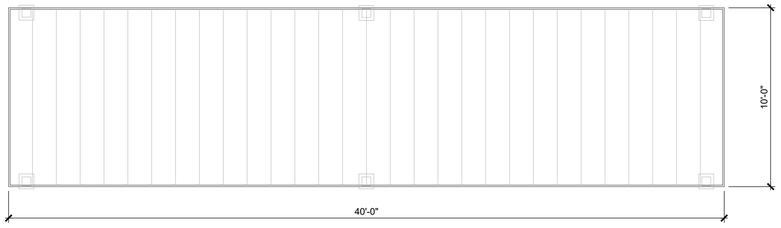
COLORADO 811
CALL 811 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR MARKING OF UNDERGROUND MEMBER UTILITIES

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THE LINE SHOWN ABOVE IS 1" WHEN PRINTED ON ARCH D PAPER. IF THIS SHEETS ORIGINAL PAGE SIZE

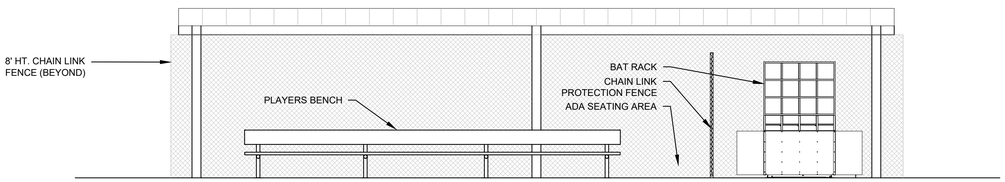
THE SQUARES ABOVE ARE COLOR: WITH BLACK AND WHITE TYPICAL PRINTS INCORRECTLY



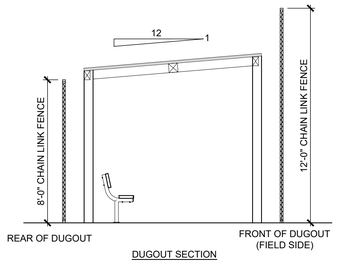


DUGOUT ROOF PLAN VIEW

STEEL FRAME STRUCTURE:
POWDER COATED TUBULAR STEEL DESIGN
MEETS LOCAL BUILDING CODE REQUIREMENTS



FRONT ELEVATION (FIELD SIDE)



DUGOUT SECTION

MANUFACTURER: ICON SHADE SYSTEMS
MODEL: MP10X40S-P2
DELEGATED DESIGN: PROVIDE ENGINEERED SHOP DRAWINGS STAMPED BY COLORADO PROFESSIONAL ENGINEERING FOR SHADE STRUCTURE AND FOUNDATIONS.
COLORS: POWER COAT MATTE BLACK (POSTS), SLATE GRAY (ROOF)

A1 DUGOUT - 40' LENGTH

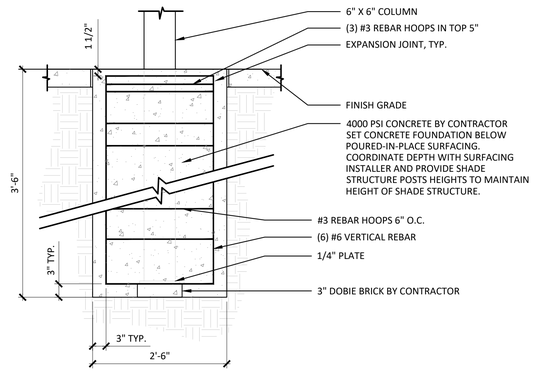
1/4" = 1'-0"



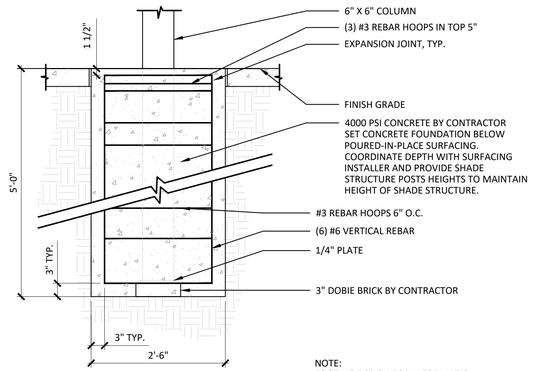
IMAGE SHOWN FOR REFERENCE ONLY
MANUFACTURER: SPORTSFIELD SPECIALTIES
MODEL: SUAHC12BBSS HELMET, BAT BIN AND SIDE STORAGE STAND-UP CUBBY UNIT
QUANTITY: 8
COLOR: TBD FROM MANUFACTURER'S STANDARD COLORS

D4 HELMET/BAT RACK

NTS



DUGOUT FOOTING - SMALL (10 X 40 STRUCTURE)



DUGOUT FOOTING - LARGE (10 X 48 STRUCTURE)

NOTE:
FOOTING DESIGN FOR INFORMATION PROVIDED BY MANUFACTURER. FINAL FOOTING DESIGN TO BE PROVIDED BY COLORADO STAMPED ENGINEERED SHOP DRAWINGS BY CONTRACTOR.

A4 DUGOUT FOOTINGS

3/4" = 1'-0"

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LANDSCAPE ARCHITECTURE
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Key Map

Drawing

SITE DETAILS - 12

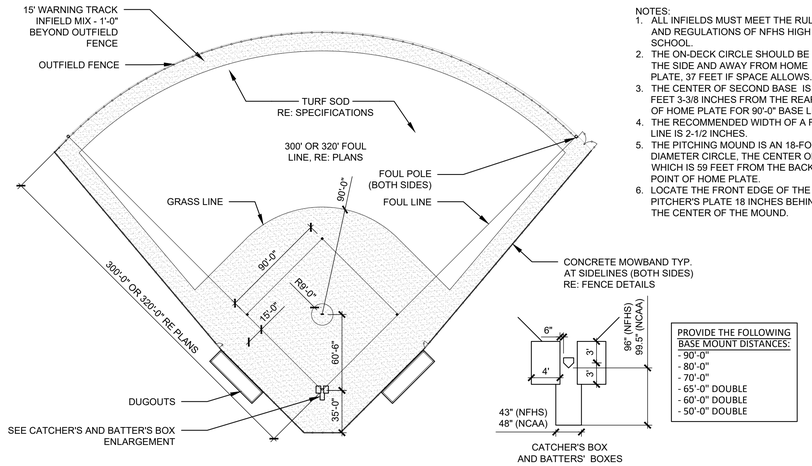
L-511

SITE PLAN SUBMITTAL

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THE LINE SHOWN ABOVE IS 1" LONG ON ORIGINAL DRAWINGS - IF THIS SHEETS ORIGINAL PAGE SIZE

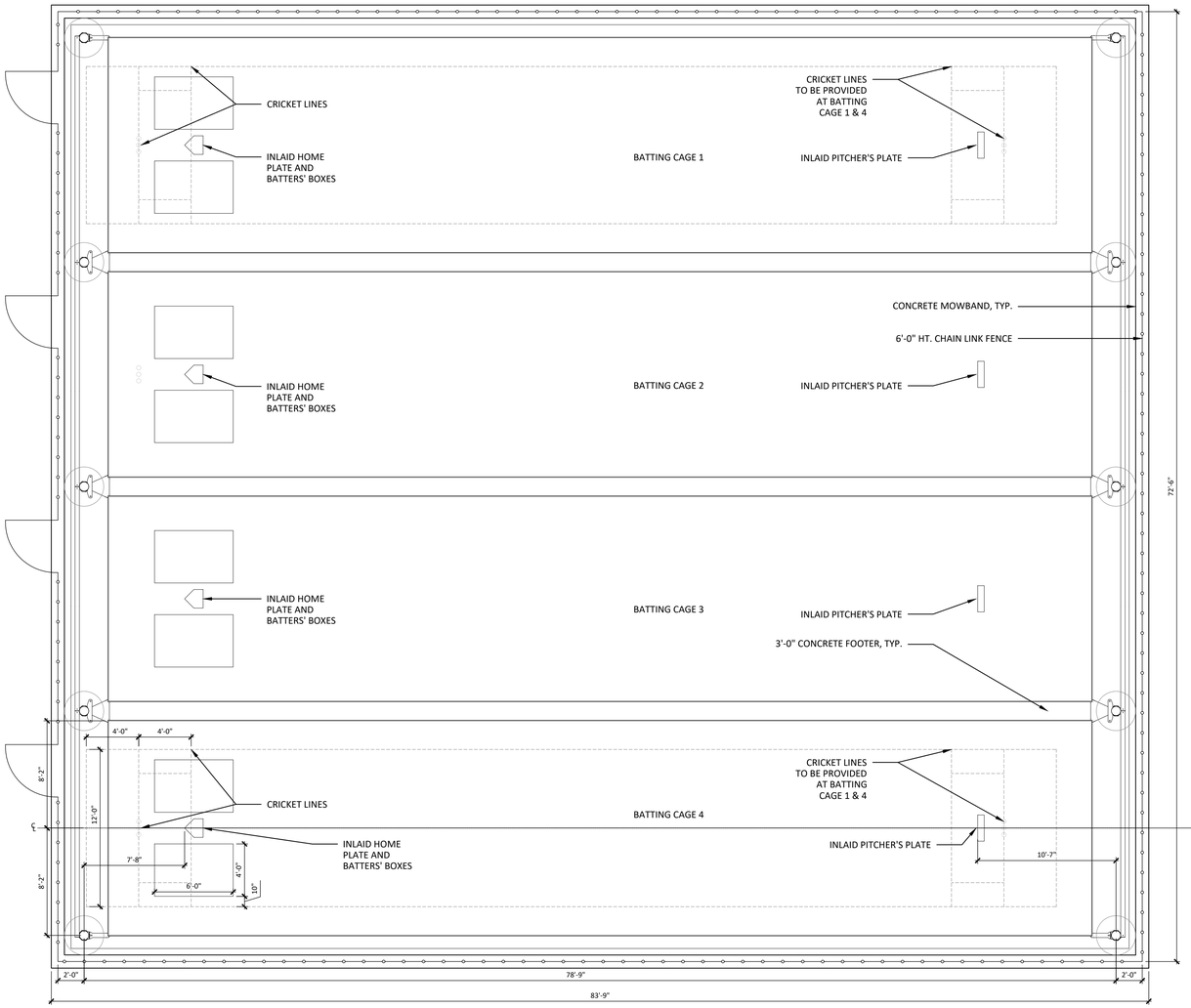
THE SQUARES ABOVE ARE COLOR, WITH BLACK AND WHITE TESTING PATTERNS (OPTIONAL)



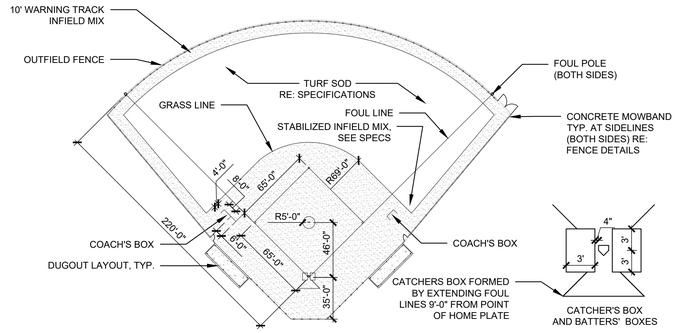
NOTES:
1. ALL INFIELDS MUST MEET THE RULES AND REGULATIONS OF NFHS HIGH SCHOOL.
2. THE ON-DECK CIRCLE SHOULD BE TO THE SIDE AND AWAY FROM HOME PLATE, 37 FEET IF SPACE ALLOWS.
3. THE CENTER OF SECOND BASE IS 127 FEET 3-3/8 INCHES FROM THE REAR TIP OF HOME PLATE FOR 90'-0" BASE LINE.
4. THE RECOMMENDED WIDTH OF A FOUL LINE IS 2-1/2 INCHES.
5. THE PITCHING MOUND IS AN 18-FOOT DIAMETER CIRCLE, THE CENTER OF WHICH IS 59 FEET FROM THE BACK POINT OF HOME PLATE.
6. LOCATE THE FRONT EDGE OF THE PITCHER'S PLATE 18 INCHES BEHIND THE CENTER OF THE MOUND.

PROVIDE THE FOLLOWING BASE MOUNT DISTANCES:
- 90'-0"
- 80'-0"
- 70'-0"
- 65'-0" DOUBLE
- 60'-0" DOUBLE
- 50'-0" DOUBLE

C1 BALLFIELD - 300' & 320' FOUL LINES
1" = 60'-0"



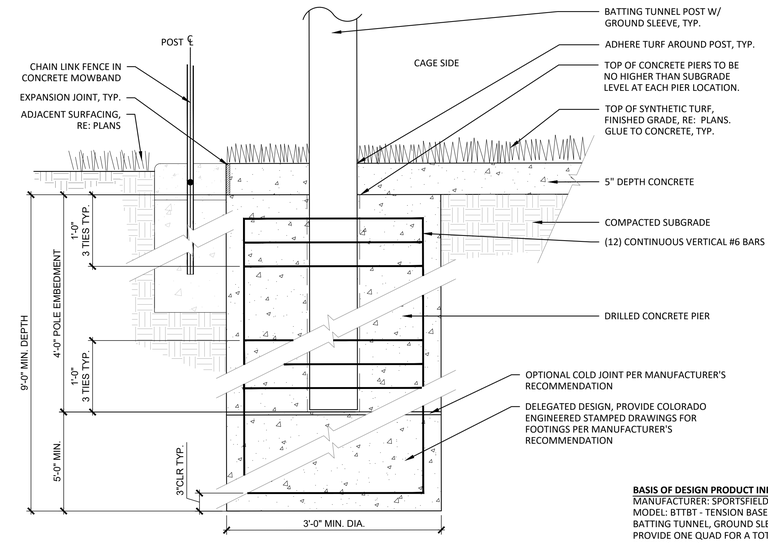
A1 BATTING CAGE (ALTERNATE NO. 04)
3/16" = 1'-0"



NOTES:
1. ALL FIELDS MUST MEET THE RULES AND REGULATIONS PRE-DETERMINED BY NFHS SOFTBALL OR APPROVED EQUIVALENT.
2. THE CENTER OF SECOND BASE IS 84 FEET 10 INCHES FROM THE REAR TIP OF HOME PLATE AT 65'-0" BASE LINE.
3. THE RECOMMENDED WIDTH OF A FOUL LINE IS 2-1/2 INCHES.
4. THE PITCHING MOUND IS AN 10-FOOT DIAMETER CIRCLE, THE CENTER OF WHICH IS 44 FEET 8 INCHES FROM THE BACK POINT OF HOME PLATE.
5. LOCATE THE FRONT EDGE OF THE PITCHER'S PLATE 16 INCHES BEHIND THE CENTER OF THE MOUND.

PROVIDE THE FOLLOWING BASE MOUNT DISTANCES:
- 65'-0" DOUBLE
- 60'-0" DOUBLE
- 50'-0" DOUBLE

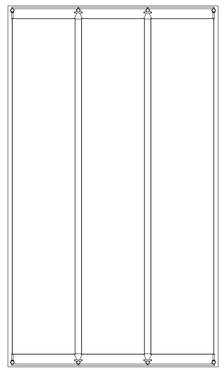
C3 BALLFIELD - 220' FOUL LINE
1" = 60'-0"

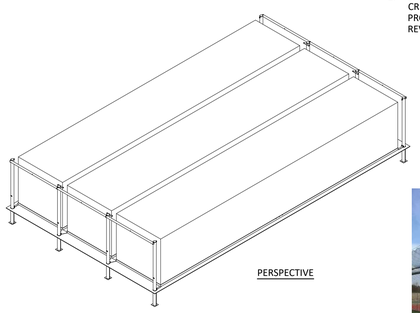


SYNTHETIC TURF AT BATTING TUNNEL
SCALE: 1" = 1'-0"

BASIS OF DESIGN PRODUCT INFORMATION:
MANUFACTURER: SPORTSFIELD SPECIALTIES
MODEL: BTTBT - TENSION BASEBALL BATTING TUNNEL, GROUND SLEEVE INSERT. PROVIDE ONE QUAD FOR A TOTAL OF (4) BATTING LANES.

NOTES:
1. CONTRACTOR TO PROVIDE ENGINEERED STAMPED SHOP DRAWINGS PRIOR TO CONSTRUCTION.
2. BATTING CAGE LINES TO BE WHITE, CRICKET LINES TO BE YELLOW. PROVIDE SHOP DRAWINGS FOR REVIEW.


PLAN


PERSPECTIVE


BATTING TUNNEL IMAGE FOR REFERENCE ONLY


FRONT ELEVATION


SIDE ELEVATION

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LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

	DATE	DESCRIPTION

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Drawn By: EH, LW, ED, MS, AG
Checked By: RB, CB, DD

Key Map

Drawing
SITE DETAILS - 13

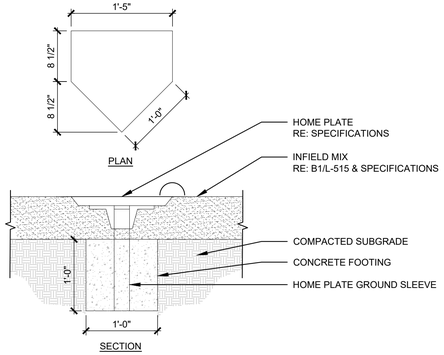
L-512

SITE PLAN SUBMITTAL

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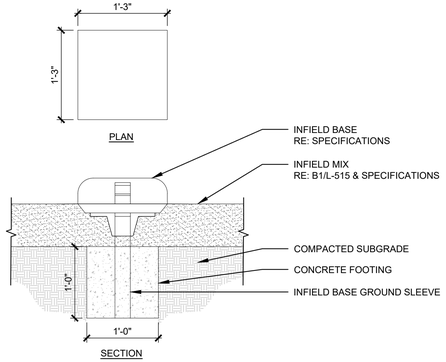
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THE SQUARES ABOVE ARE COLOR: WITH BLACK-AND-WHITE LETTERS & PATTERNS



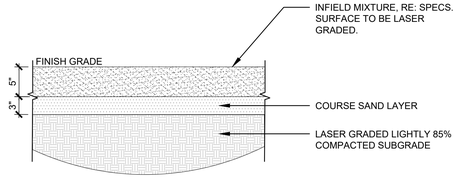
NOTES:
1. INSTALL PER MANUFACTURER'S RECOMMENDATION.
2. REFER TO SPECIFICATIONS FOR PRODUCT INFORMATION.

C1 HOME PLATE
1" = 1'-0"



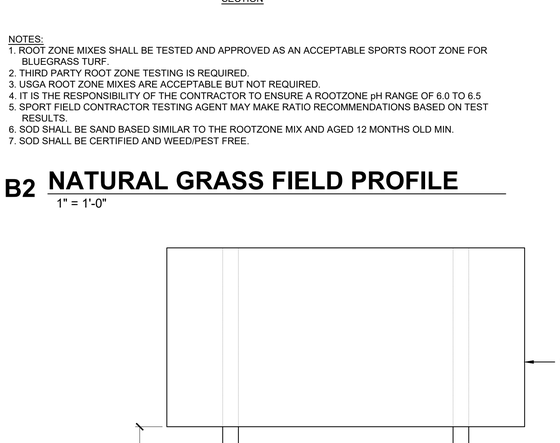
NOTES:
1. INSTALL PER MANUFACTURER'S RECOMMENDATION.
2. REFER TO SPECIFICATIONS FOR PRODUCT INFORMATION.
3. INSTALL BASE GROUND SLEEVE AT LOCATIONS FOR MULTIPLE

C2 INFIELD BASES
1" = 1'-0"



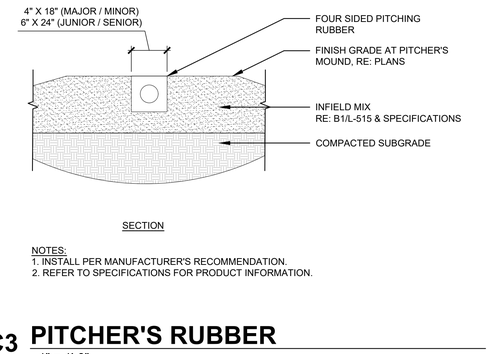
NOTES:
1. SAMPLE OF SOIL MIXTURE, COLORIZER AND CONDITIONER TO BE SUBMITTED FOR OWNER APPROVAL.
2. ALL CONDITIONERS AND ADDITIVES SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
3. ALL INFIELD CONSTRUCTION SHALL MEET THE STANDARD GUIDE FOR CONSTRUCTION AND MAINTENANCE OF SKINNED AREAS ON BASEBALL AND SOFTBALL FIELDS PER ASTM F2107.

B1 INFIELD MIX
1" = 1'-0"



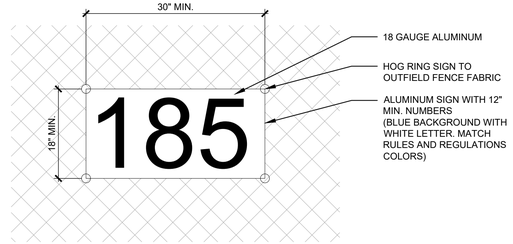
NOTES:
1. ROOT ZONE MIXES SHALL BE TESTED AND APPROVED AS AN ACCEPTABLE SPORTS ROOT ZONE FOR BLUEGRASS TURF.
2. THIRD PARTY ROOT ZONE TESTING IS REQUIRED.
3. USGA ROOT ZONE MIXES ARE ACCEPTABLE BUT NOT REQUIRED.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE A ROOTZONE pH RANGE OF 6.0 TO 6.5
5. SPORT FIELD CONTRACTOR TESTING AGENT MAY MAKE RATIO RECOMMENDATIONS BASED ON TEST RESULTS.
6. SOD SHALL BE SAND BASED SIMILAR TO THE ROOTZONE MIX AND AGED 12 MONTHS OLD MIN.
7. SOD SHALL BE CERTIFIED AND WEED/PEST FREE.

B2 NATURAL GRASS FIELD PROFILE
1" = 1'-0"



NOTES:
1. INSTALL PER MANUFACTURER'S RECOMMENDATION.
2. REFER TO SPECIFICATIONS FOR PRODUCT INFORMATION.

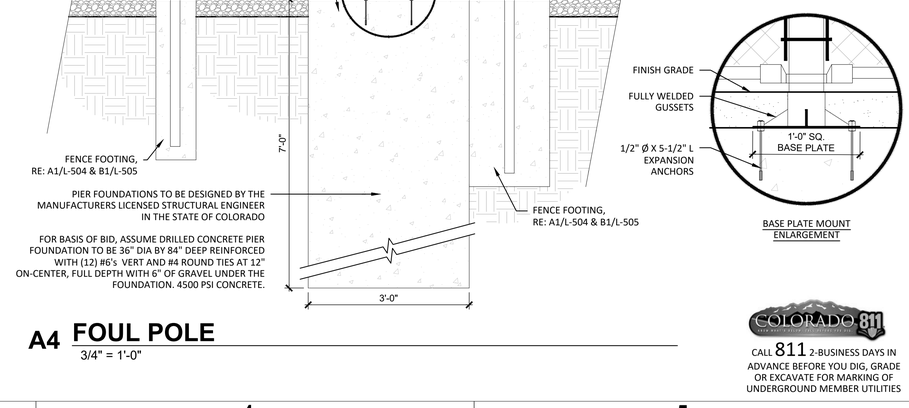
C3 PITCHER'S RUBBER
1" = 1'-0"



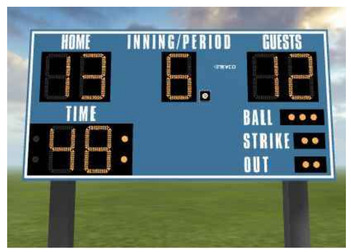
NOTES:
1. BASIS-OF-DESIGN: SPORTFIELD SPECIALTIES (MFR.), MODEL FPW420PL, 20' FOUL POLE W/ WING; BASE PLATE MOUNTED.
2. INSTALL FOUL POLE PER MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE ENGINEERED STAMPED SHOP DRAWINGS.

PART NO.	FOUL POLE HEIGHT	OVERALL LENGTH	WING LENGTH	# OF WING PANELS	POLE MATERIAL	MINIMUM FOUNDATION DIAMETER
FPW420PL	20'	22' -6"	12'	2	4" OD X 0.125" WALL ALUMINUM	24"

C4 OUTFIELD SIGNS
1" = 1'-0"

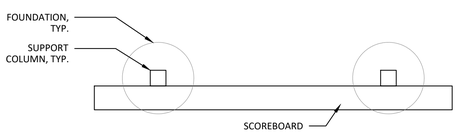


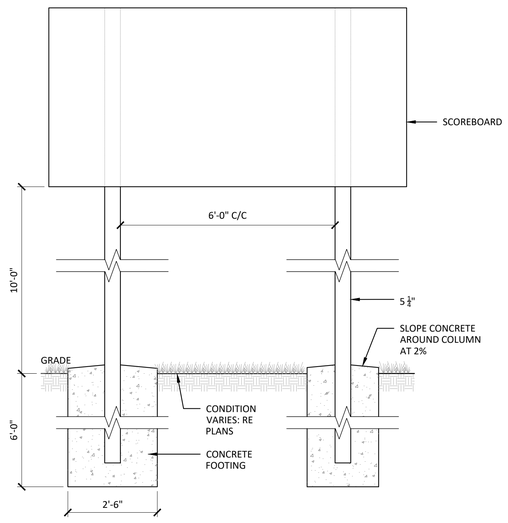
A4 FOUL POLE
3/4" = 1'-0"



MANUFACTURER: NEVCO
MODEL: MODEL 1625 - (10' X 5' X 8") WITH HANDHELD CONTROLLER MODEL MPCX2 FOR EACH SCOREBOARD, INCLUDE TOWN OF PARKER LOGO, DIGITAL NUMBERS (COLOR: AMBER)
COLOR: ELECTRONIC BLUE

NOTES:
1. CONTRACTOR TO PROVIDE COLORADO STAMPED ENGINEERED SHOP DRAWINGS PRIOR TO CONSTRUCTION.
2. RE: ELECTRICAL FOR POWER/COMMUNICATIONS. COORDINATE WITH SCOREBOARD MANUFACTURER FOR FINAL POWER/COMMUNICATION REQUIREMENTS.





A1 BASEBALL SCOREBOARD
1/2" = 1'-0"

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LANDSCAPE ARCHITECT / ARCHITECT
1800 Wazee Street, Suite 450
Denver, CO 80202
p. 303.607.0977

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p. 303.444.1951

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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

	DATE	DESCRIPTION

Project Number:	223072.00
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Key Map

Drawing

SITE DETAILS - 14

L-513

SITE PLAN SUBMITTAL

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THE SQUARES ABOVE ARE COLOR: WITH BLACK AND WHITE TESTING, A TONE IS CORRECT.

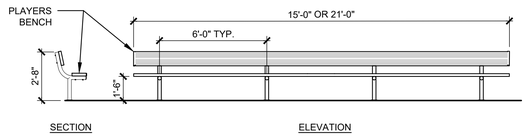


IMAGE FOR REFERENCE ONLY.

BASEBALL/ SOFTBALL
PRODUCT: 3 ROW, 27 FT LONG ALUMINUM BLEACHERS WITH ANCHORS (THROUGH CONCRETE). TWO ADA SEATS INTEGRATED. QUANTITY PER PLAN

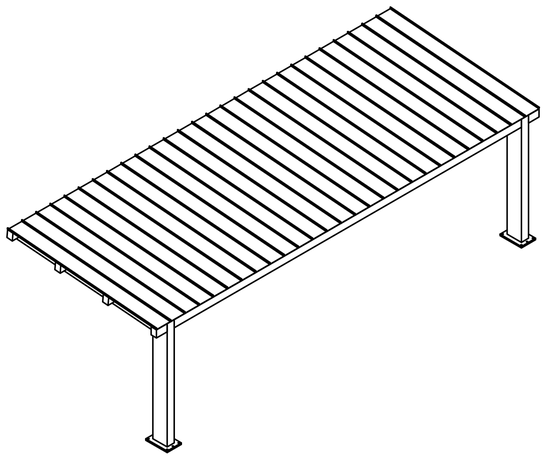
NOTES:
1. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR BLEACHERS WITH INTEGRATED ADA SEATING PRIOR TO FABRICATION. DRAWINGS TO BE SUBMITTED TO DFPC FOR REVIEW (DEFERRED SUBMITTAL).
2. MANUFACTURER: BLEACHERS INTERNATIONAL (P): (303) 646-1038 (W): www.getseating.com

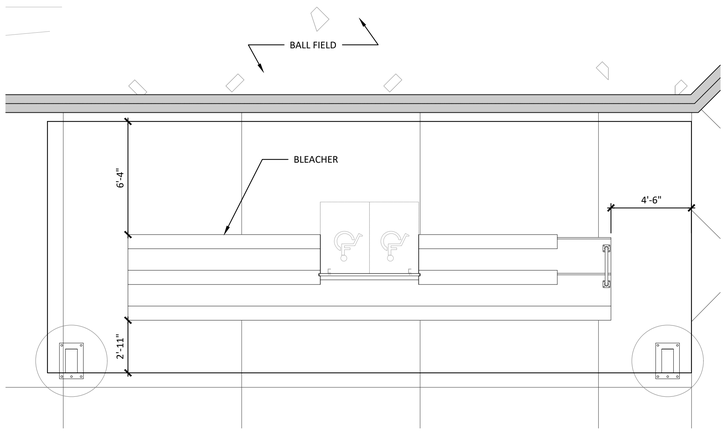
C1 BLEACHERS
NTS



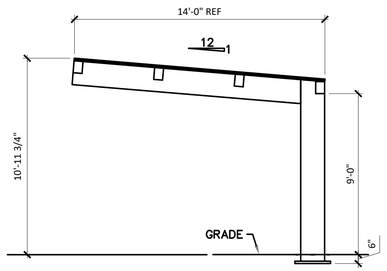
NOTES:
1. BASIS-OF-DESIGN:
   15'-0" LENGTH: PW ATHLETICS (MFR), MODEL # 1103-15G-15', ALUMINUM BENCH WITH BACK, GALVANIZED FRAME, SURFACE-MOUNT. COLOR: ROYAL BLUE
   21'-0" LENGTH: PW ATHLETICS (MFR), MODEL # 1103-21G-21', ALUMINUM BENCH WITH BACK, GALVANIZED FRAME, SURFACE-MOUNT. COLOR: ROYAL BLUE
2. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
3. QUANTITY PER PLAN

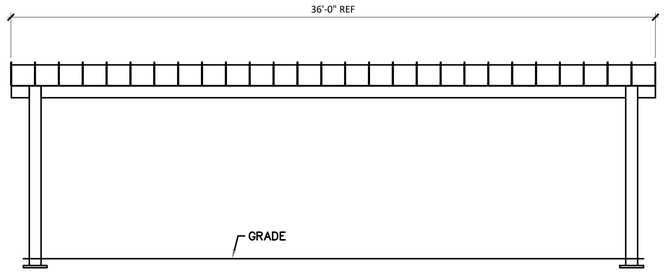
C2 PLAYER'S BENCH
1/4" = 1'-0"



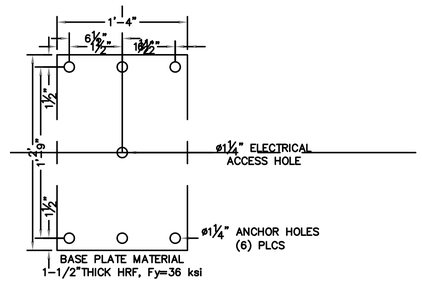


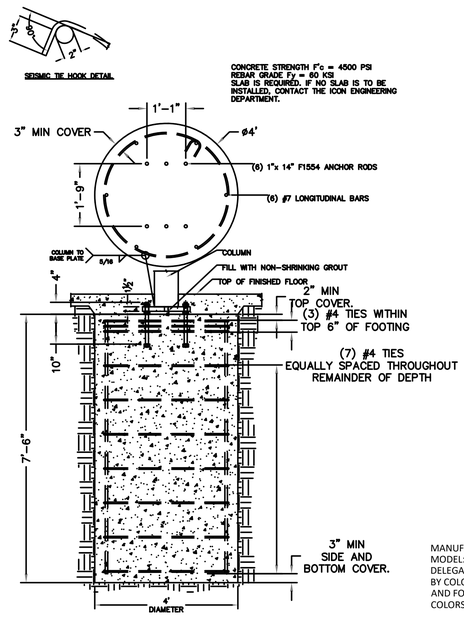
SHADE STRUCTURE PLAN





A1 SHADE STRUCTURE - 14'x36' - ALTERNATE NO. 02
1/4" = 1'-0"





14'x36' SHADE STRUCTURE FOUNDATION
N.T.S.

MANUFACTURER: ICON SHADE SYSTEMS
MODEL: MC14X36-9S-P1
DELEGATED DESIGN: PROVIDE ENGINEERED SHOP DRAWINGS STAMPED BY COLORADO PROFESSIONAL ENGINEERING FOR SHADE STRUCTURE AND FOUNDATIONS.
COLORS: POWER COAT MATTE BLACK (POSTS), SLATE GRAY (ROOF)

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Key Map

Drawing
SITE DETAILS - 15

L-514

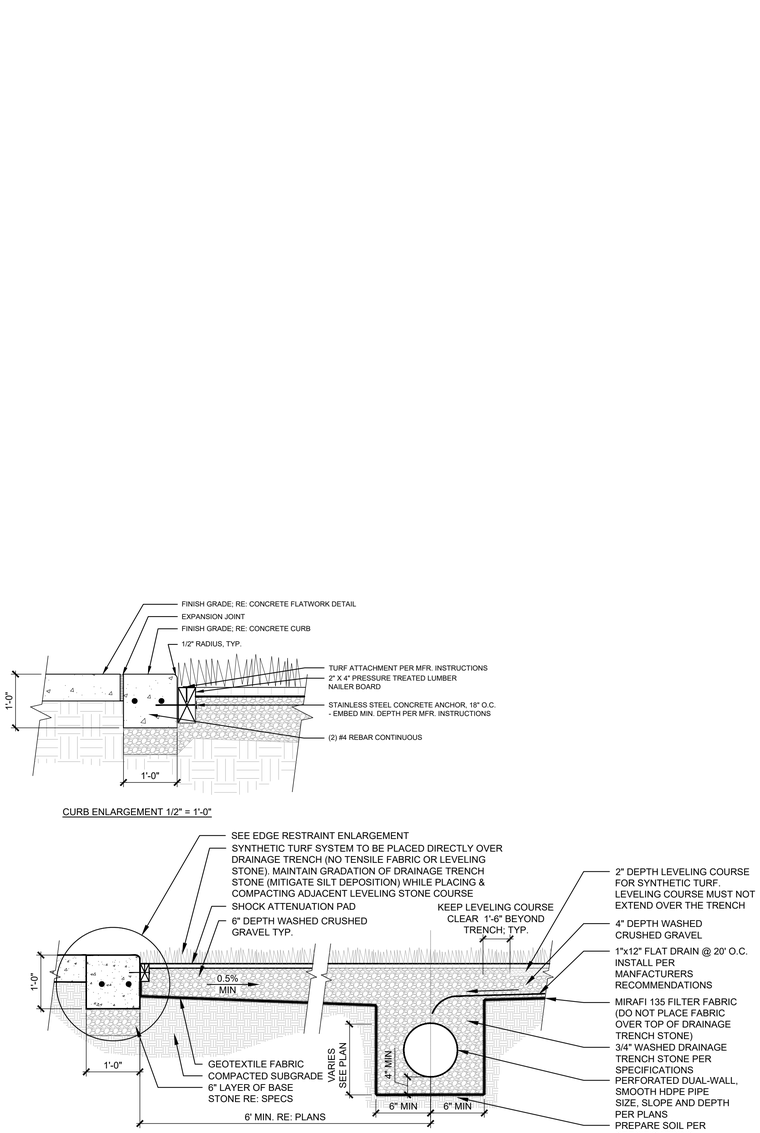
SITE PLAN SUBMITTAL

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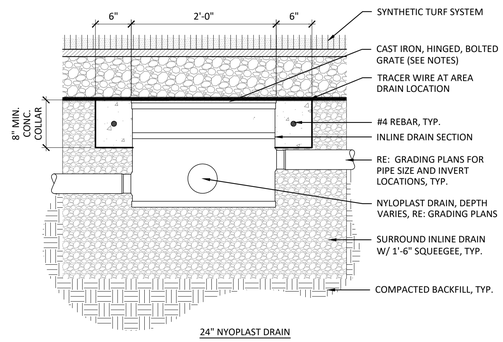
CURB ENLARGEMENT 1/2" = 1'-0"



NOTES:
1. NOTES:
2. 1. EDGE CURB CONTRACTION JOINTS TO MATCH ADJACENT CONCRETE PAVING. 10' O.C. MAX SPACING (WHICHEVER IS LESS). EXPANSION JOINTS EVERY 40' OC.
3. 2. REFER TO SPECS FOR SUBGRADE PREPARATION REQUIREMENTS.
4. 3. REFER TO MANUFACTURER SPECIFICATIONS AND INSTALLATION PROCEDURES FOR SHOCK PAD AND UNDERLYING GEOTEXTILE FABRIC.

A1 SYNTHETIC TURF AT ATHLETIC FIELDS

3/4" = 1'-0"



24" NYOPLAST DRAIN

NOTES
1. AREA DRAIN COVER TO BE NYLOPLAST CAST HS-20 RATED BOLTED AND HINGED GRATE OR APPROVED EQUAL IN TRAFFIC AREAS.
2. PROVIDE SHOP DRAWINGS FOR ALL AREA DRAINS AND CONNECTIONS.

A3 DRAIN BASIN AT SYNTHETIC TURF

1" = 1'-0"

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Key Map

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SITE DETAILS - 16

L-515

SITE PLAN SUBMITTAL
Page 199 of 311

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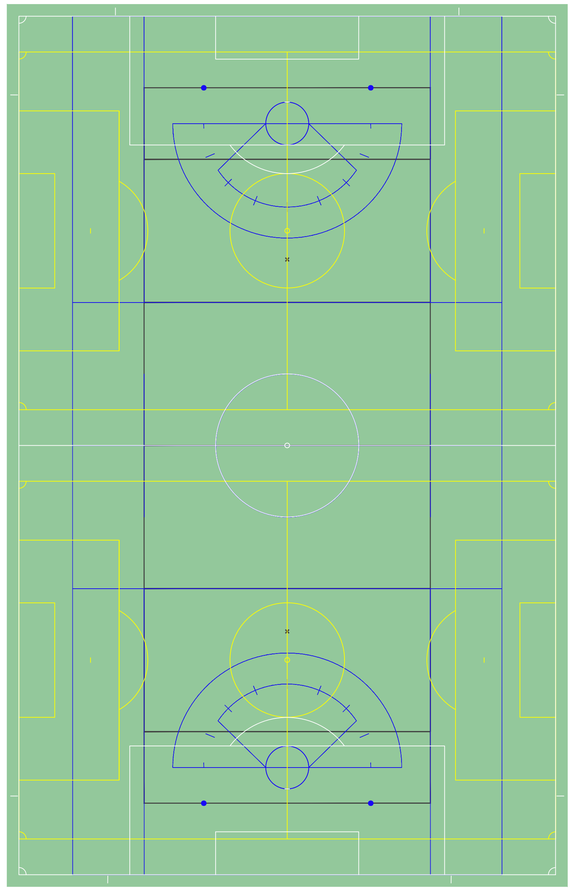
THE SQUARES ABOVE ARE COLOR, WITH BLACK AND WHITE TOTAL 4 PRINTS CORRECTLY

C M Y K

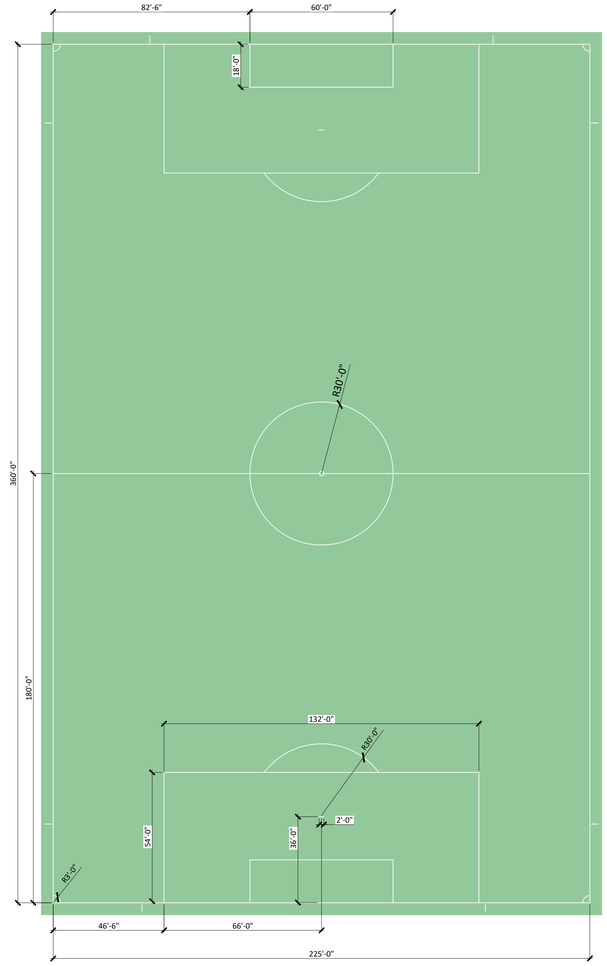
FIELDS SHOWN IN ORDER OF DOMINANCE	
TWO FULL SIZE SOCCER FIELDS (WHITE)	360' X 225'
FOUR U13 SIZE SOCCER FIELDS (YELLOW)	210' X 150'
TWO UNIFIED LACROSSE FIELDS (BLUE)	360' X 180'
TWO FLAG FOOTBALL FIELDS (GRAY)	300' X 120'

FIELD GOALS
(2) SOCCER GOALS PER FIELD FOR A TOTAL OF (4)
(2) YOUTH SOCCER GOALS PER FIELD FOR A TOTAL OF (8)
(2) LACROSSE GOALS PER FIELD FOR A TOTAL OF (4)

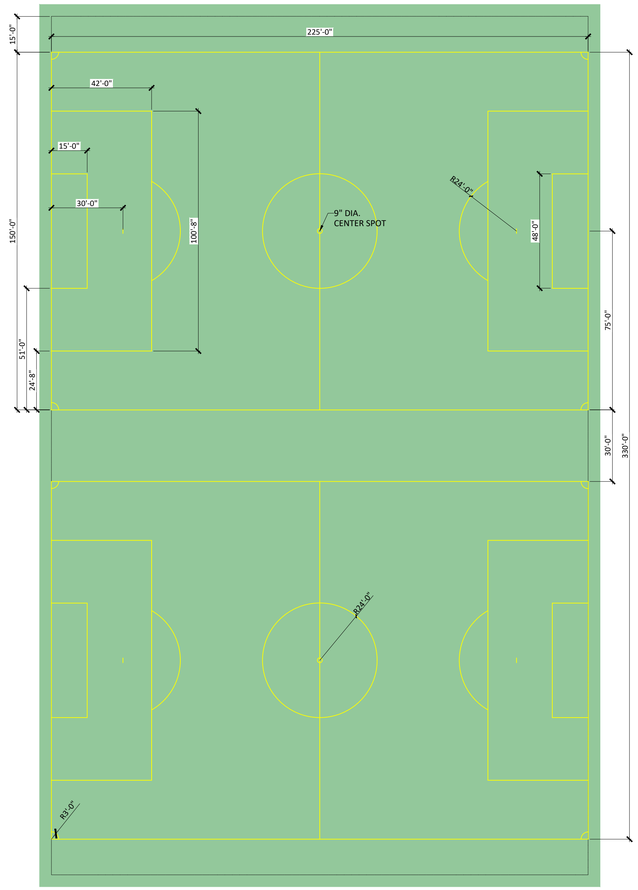
REFER TO SPECIFICATION SECTION 116833.01 FOR PRODUCT INFORMATION



A1 SYNTHETIC TURF - COMBINED STRIPING PLAN
1" = 30'



A2 SYNTHETIC TURF STRIPING - SOCCER
1" = 30'



A4 SYNTHETIC TURF STRIPING - YOUTH SOCCER
1" = 30'

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Key Map

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SITE DETAILS - 17

L-516

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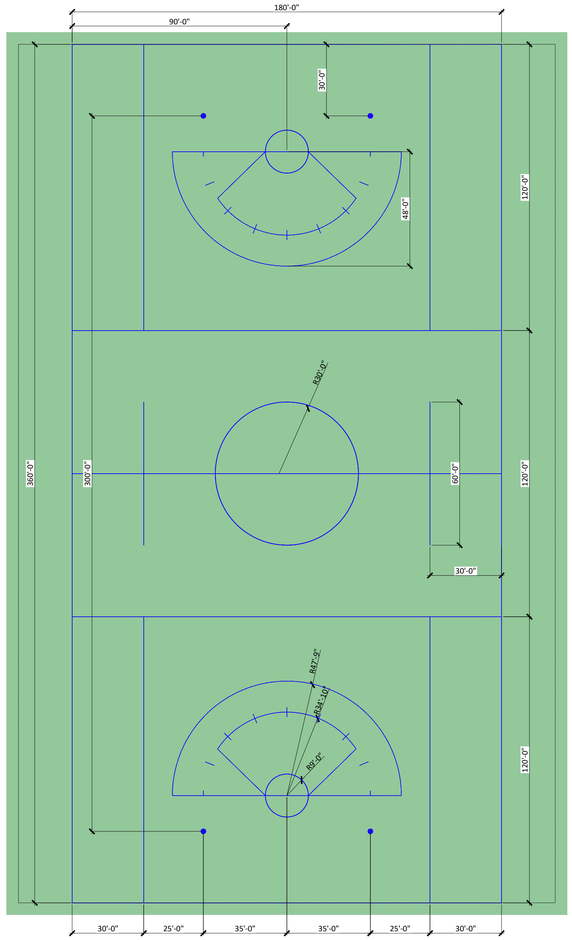
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D C B A

1 2 3 4 5

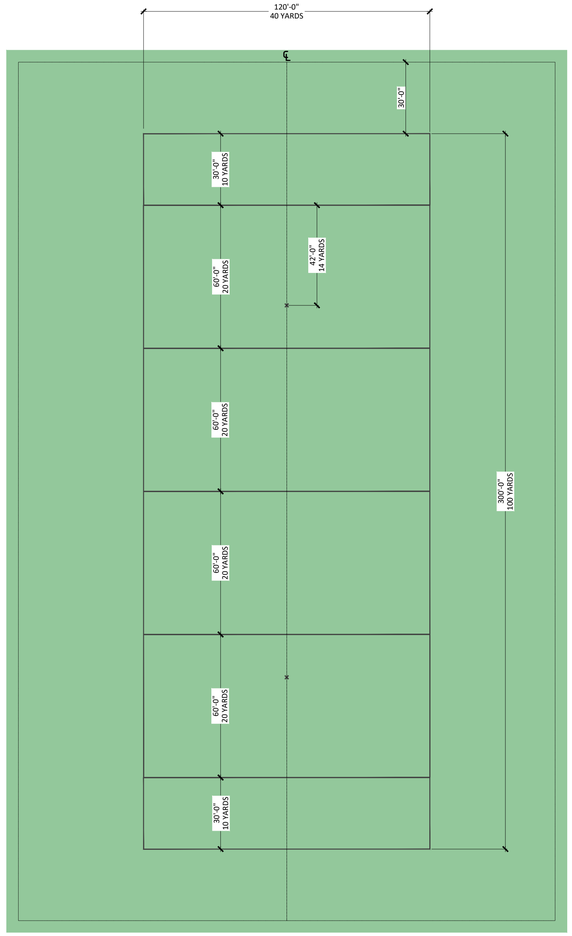
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A1 SYNTHETIC TURF STRIPING - UNIFIED LACROSSE

1" = 30'



A2 SYNTHETIC TURF STRIPING - FLAG FOOTBALL

1" = 30'

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Key Map

Drawing

SITE DETAILS - 18

L-517

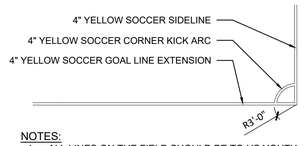
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Page 201 of 311

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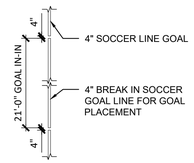
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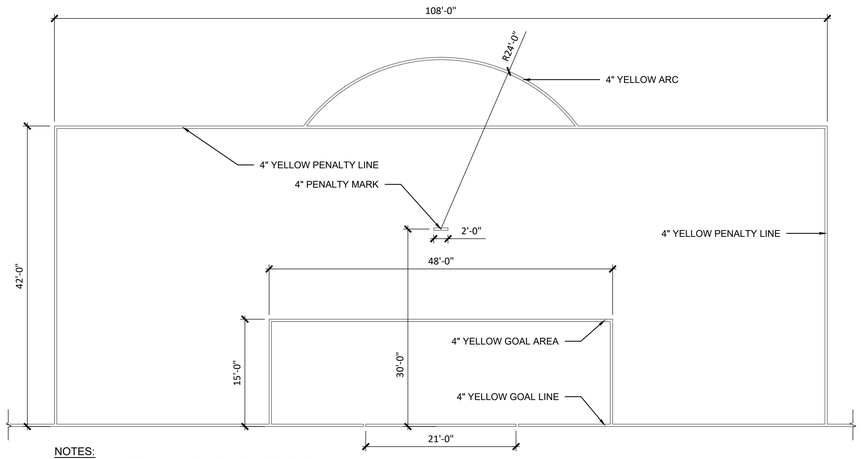
NOTES:
1. ALL LINES ON THE FIELD SHOULD BE TO US YOUTH SOCCER U13 STANDARDS
2. SHOP DRAWINGS REQUIRED.

D1 SOCCER CORNER KICK MARK (U13 FIELD)
1" = 10'-0"



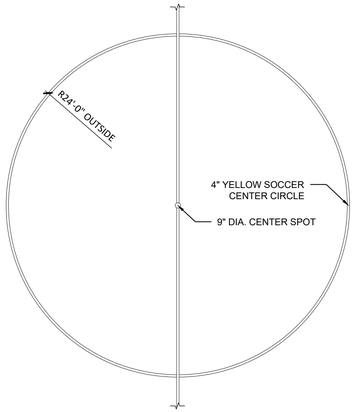
NOTES:
1. ALL LINES ON THE FIELD SHOULD BE TO US YOUTH SOCCER U13 STANDARDS
2. SHOP DRAWINGS REQUIRED.

D2 SOCCER GOAL MARKS (U13 FIELD)
1" = 10'-0"



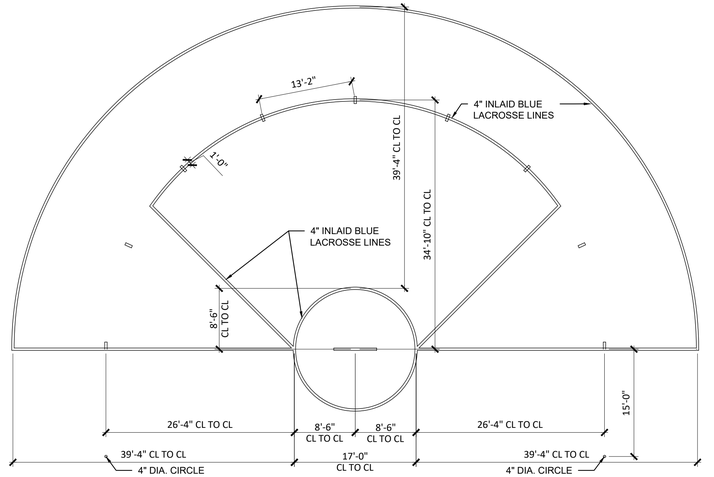
NOTES:
1. ALL LINES ON THE FIELD SHOULD BE TO US YOUTH SOCCER U13 STANDARDS
2. SHOP DRAWINGS REQUIRED.

B1 SOCCER GOAL AREA (U13 FIELD)
1" = 10'-0"

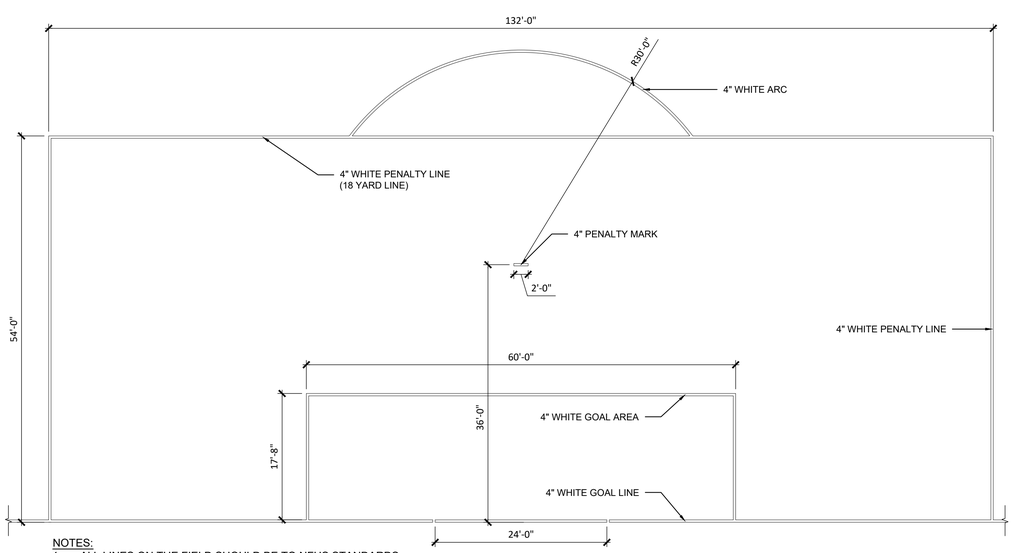


NOTES:
1. ALL LINES ON THE FIELD SHOULD BE TO US YOUTH SOCCER U13 STANDARDS
2. SHOP DRAWINGS REQUIRED.

B3 SOCCER CENTER MARK (U13 FIELD)
1" = 10'-0"

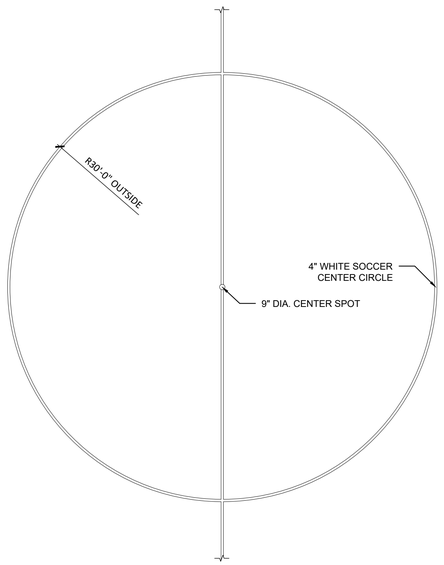


B4 LACROSSE ARC STRIPING
1" = 10'-0"



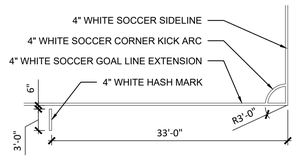
NOTES:
1. ALL LINES ON THE FIELD SHOULD BE TO NFHS STANDARDS
2. SHOP DRAWINGS REQUIRED.

A1 SOCCER GOAL AREA
1" = 10'-0"



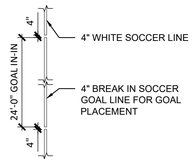
NOTES:
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2. SHOP DRAWINGS REQUIRED.

A3 SOCCER CENTER MARK
1" = 10'-0"



NOTES:
1. ALL LINES ON THE FIELD SHOULD BE TO NFHS STANDARDS
2. SHOP DRAWINGS REQUIRED.

A5 SOCCER CORNER KICK MARK
1" = 10'-0"



NOTES:
1. ALL LINES ON THE FIELD SHOULD BE TO NFHS STANDARDS
2. SHOP DRAWINGS REQUIRED.

A4 SOCCER GOAL MARKS
1" = 10'-0"

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Drawing
SITE DETAILS - 19

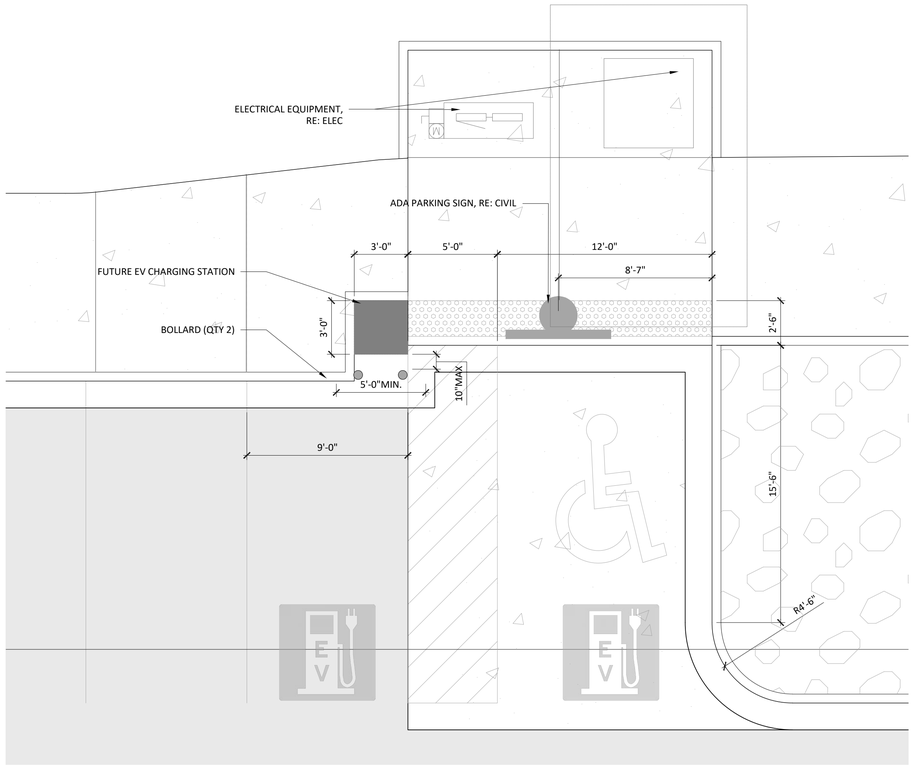
L-518

SITE PLAN SUBMITTAL

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THE SQUARES ABOVE ARE COLOR: WITH BLACK AND WHITE EITHER A TINT OR SHADE

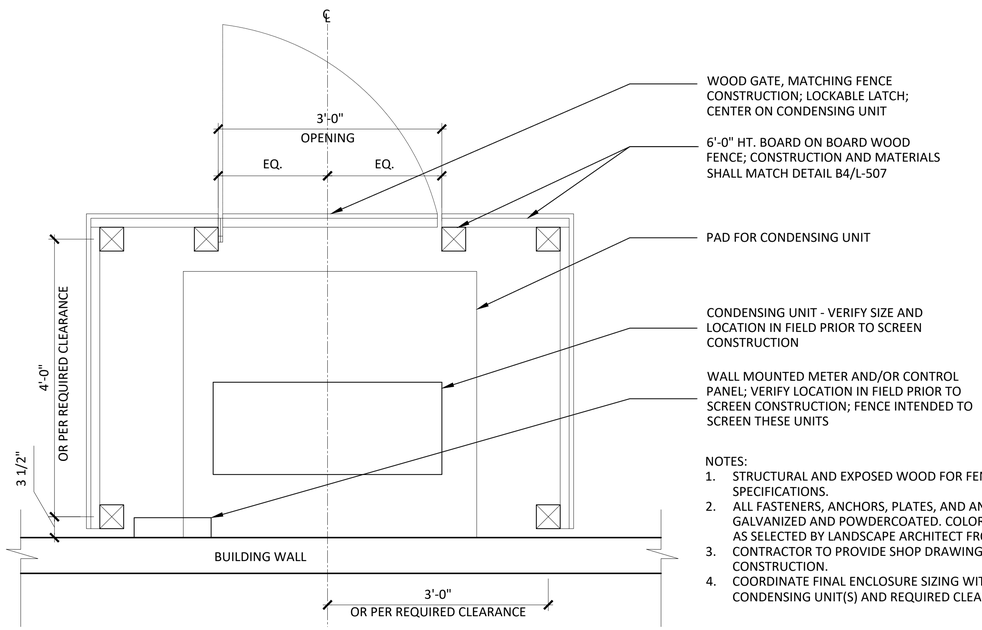


SCALE: 1/4" = 1'-0"

0' 2' 4' 8' 12'

B1 EV CHARGING STATION

1/4" = 1'-0"



NOTES:

1. STRUCTURAL AND EXPOSED WOOD FOR FENCE SHALL BE CEDAR. SEE SPECIFICATIONS.
2. ALL FASTENERS, ANCHORS, PLATES, AND ANGLES SHALL BE HOT DIPPED GALVANIZED AND POWDERCOATED. COLOR TO BE GRAPHITE BLACK RAL 9011 OR AS SELECTED BY LANDSCAPE ARCHITECT FROM FULL RANGE OF RAL COLORS.
3. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW PRIOR TO CONSTRUCTION.
4. COORDINATE FINAL ENCLOSURE SIZING WITH VERIFIED LOCATION OF CONDENSING UNIT(S) AND REQUIRED CLEARANCES.

A1 CONDENSING UNIT ENCLOSURE

1" = 1'-0"

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LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

	DATE	DESCRIPTION

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Key Map

Drawing

SITE DETAILS - 20

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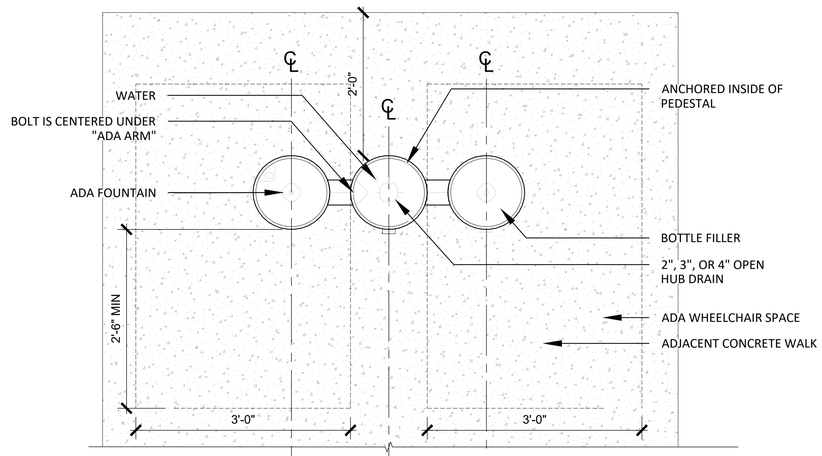
SITE PLAN SUBMITTAL
Page 203 of 311

CALL 811 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR MARKING OF UNDERGROUND MEMBER UTILITIES

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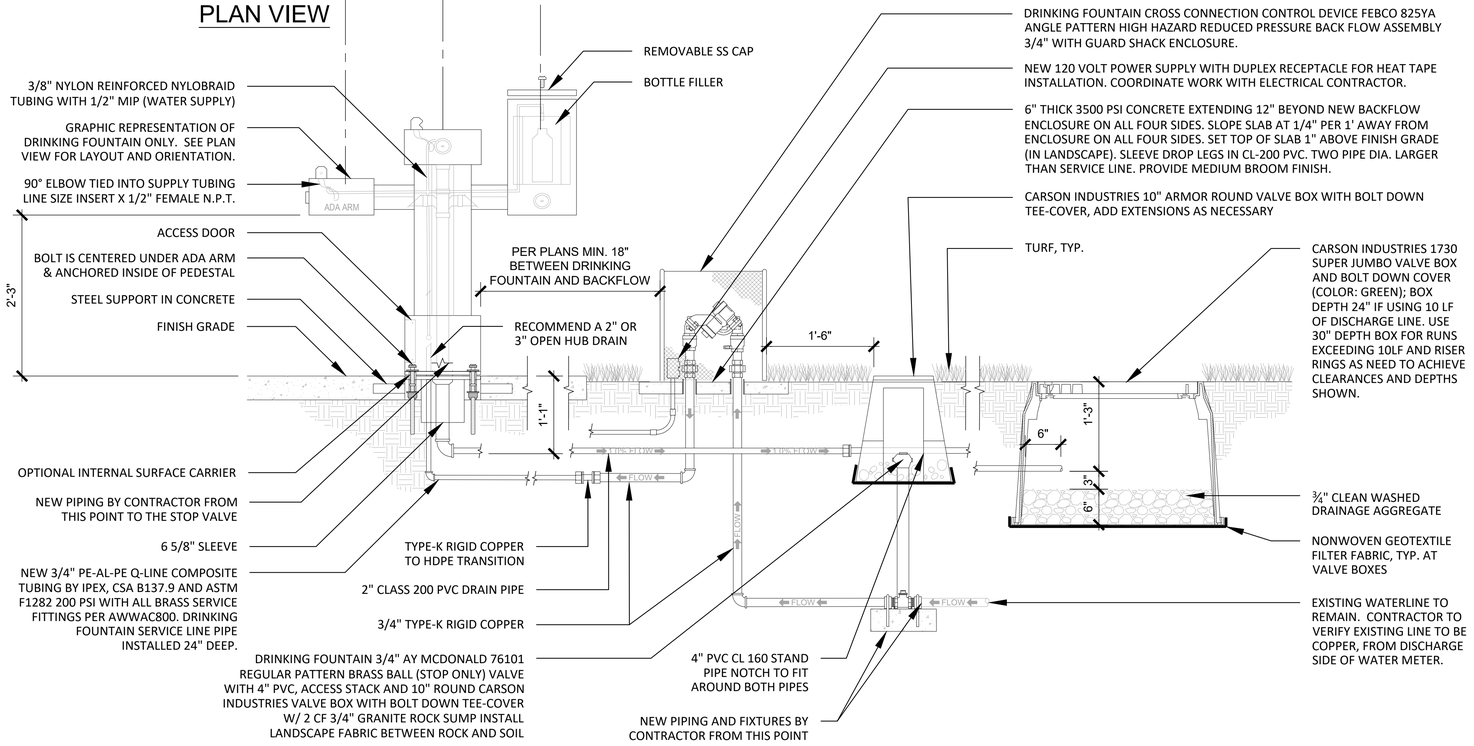
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THE SQUARES ABOVE ARE COLOR: WITH BLACK-AND-WHITE TOTAL AVAILABLE DENSITY



PLAN VIEW

NOTES:
1. MOST DEPENDABLE FOUNTAIN 2440 SMSS WITH BOTTLE FILLER AND TWO SEASON FOUNTAIN COVERS, COLOR TO BE BLACK. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
2. PAD & DRINKING FOUNTAIN HEIGHT MUST MEET ADA STANDARDS.
3. ALL CONNECTIONS MUST BE DOUBLE CLAMPED.
4. COLOR TO BE DETERMINED BY OWNER.
5. REMOVE AND REPLACE EXISTING STOP AND WASTE VALVE AS NOTED.
6. 27" CLEAR MUST BE MAINTAINED FROM PAVING FINISH GRADE TO BOTTOM OF DRINKING BOWL. COORDINATE TOP OF CONCRETE PEDESTAL TO ACCOMMODATE 27" CLEARANCE.
7. FOR BACKFLOW ENCLOSURE AND SETTER SPECIFICATION: INSTALL ONE GUARD SHACK ENCLOSURE WITH SETTER AND FROST GUARD FOR DRINKING FOUNTAIN BACK FLOW ASSEMBLY. GUARD SHACK AND FROST GUARD COLORS TO BE GREEN.



A1 DRINKING FOUNTAIN, SERVICE LINE AND DISCHARGE SUMP

N.T.S.

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Key Map

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SITE DETAILS - 21

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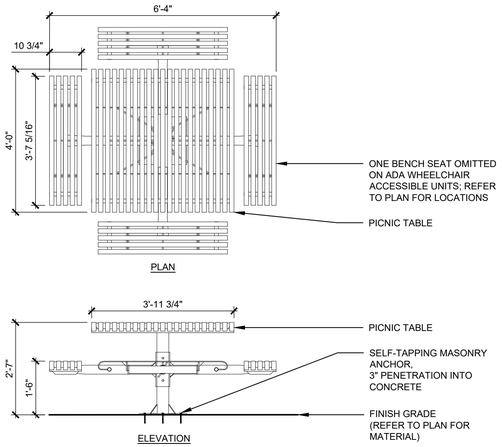
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NOTES:

1. BASIS-OF-DESIGN PICNIC TABLE: VICTOR STANLEY (MFR). MODEL CRPR-4 48" SQUARE TOP (4-SEAT) AND MODEL CRPR-3 48" SQUARE TOP (3-SEAT; ADA WHEELCHAIR ACCESSIBLE). COLOR TO BE SELECTED BY LANDSCAPE ARCHITECT.
2. WHERE TABLE SITS ON UNIT PAVING OR CRUSHER FINES PAVING, MASONRY ANCHOR TO EXTEND THROUGH UNIT PAVING AND EMBED INTO C.I.P. CONCRETE SLAB OR FOOTING TO MIN. 3" DEPTH.

C1 PICNIC TABLE SQUARE

1/2" = 1'-0"

IMAGE SHOWN FOR REFERENCE ONLY
MANUFACTURER: VICTOR STANLEY
MODEL: RST-6 ACCESSIBLE 8' LONG
TABLE WITH (1) 6' BENCH AND (1)8' BENCH
COLOR: BLACK
MOUNTING: SURFACE MOUNT
QUANTITY: 3



C2 PICNIC TABLE RECTANGLE

NTS

TABLE:
MANUFACTURER: MAGLIN SITE FURNITURE
MODEL: FORO TABLE
CATALOG: MTB-1700-00770
SIZE: 36" SQUARE, 30" HEIGHT
COLOR: SILVER 14 GLOSS
MOUNT: FREESTANDING

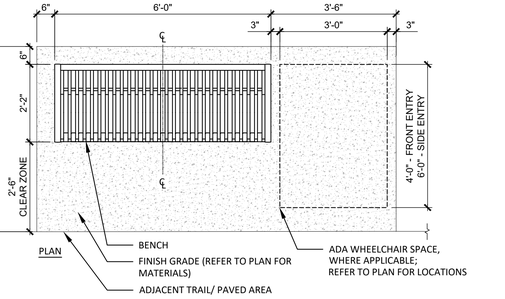
CHAIR:
MANUFACTURER: MAGLIN SITE FURNITURE
MODEL: KONTOUR CHAIR
CATALOG: FRC1700-MSF-M1-A
COLOR: EACH CHAIR TO BE SOLID COLOR.
OUT OF TOTAL, 25% TO BE TURQUOISE, 25% TO BE PASTEL BLUE, 25% TO BE VIOLET BLUE, 25% TO BE SAFRON YELLOW
MOUNT: FREESTANDING, STACKABLE





C4 MOVEABLE TABLE AND CHAIRS

N.T.S.

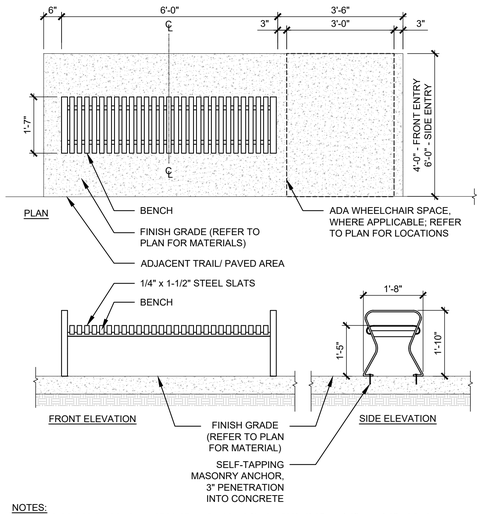


NOTES:

1. BASIS-OF-DESIGN BENCH: VICTOR STANLEY. RB-Z8 (BACKED), 6'-0"L x 2'-0"W x 1'-5"H BENCH, COLOR:STANDARD BLACK, SURFACE MOUNTED; MASONRY ANCHOR SIZE AS RECOMMENDED BY MFR.
2. WHERE BENCH SITS ON UNIT PAVING OR CRUSHER FINES PAVING, MASONRY ANCHOR TO EXTEND THROUGH UNIT PAVING AND EMBED INTO C.I.P. CONCRETE SLAB OR FOOTING TO MIN. 3" DEPTH.
3. PAD THICKNESS 4" PER PLANS AND FLATWORK DETAILS.

A1 BACKED BENCH - 6'

1/2" = 1'-0"

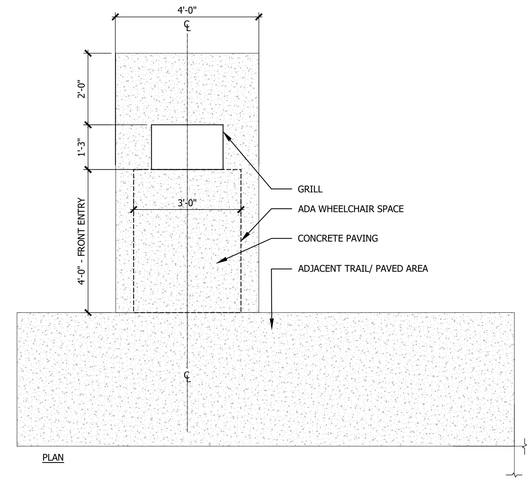


NOTES:

1. BASIS-OF-DESIGN BENCH: VICTOR STANLEY. RB-12 (BACKLESS), 6'-0"L x 1'-8"W x 1'-5"H BENCH. COLOR: STANDARD BLACK. SURFACE MOUNTED; MASONRY ANCHOR SIZE AS RECOMMENDED BY MFR.
2. WHERE BENCH SITS ON UNIT PAVING OR CRUSHER FINES PAVING, MASONRY ANCHOR TO EXTEND THROUGH UNIT PAVING AND EMBED INTO C.I.P. CONCRETE SLAB OR FOOTING TO MIN. 3" DEPTH.
3. PAD THICKNESS 4" PER PLANS AND FLATWORK DETAILS.

A2 BACKLESS BENCH - 6'

1/2" = 1'-0"



NOTES:

1. BASIS-OF-DESIGN GRILL: PILOT ROCK. ASW-24 B2.
2. COLOR: BLACK.
3. SIZE: 34" HEIGHT, 24" WIDE
4. SURFACE MOUNTED WITH ITEM B-18 SURFACE MOUNT POST; MASONRY ANCHOR SIZE AS RECOMMENDED BY MFR.
5. WHERE GRILL SITS ON UNIT PAVING OR CRUSHER FINES PAVING, MASONRY ANCHOR TO EXTEND THROUGH UNIT PAVING AND EMBED INTO C.I.P. CONCRETE SLAB OR FOOTING TO MIN. 3" DEPTH.
6. PAD THICKNESS 4" PER PLANS AND FLATWORK DETAILS.

A3 GRILL

1/2"=1'-0"

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LANDSCAPE ARCHITECTURE
PLANNING
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Key Map

Drawing

SITE DETAILS - 22

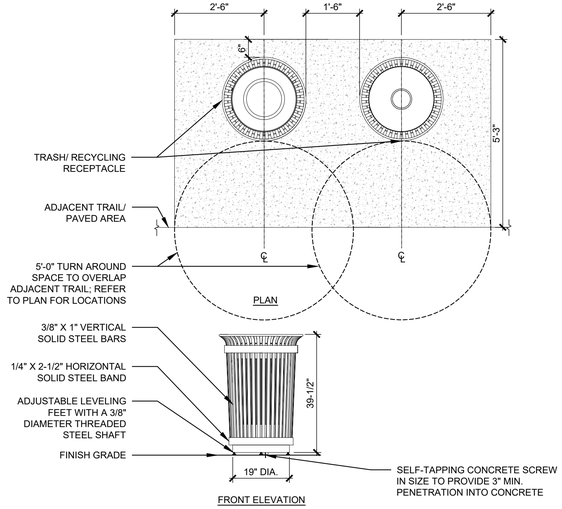
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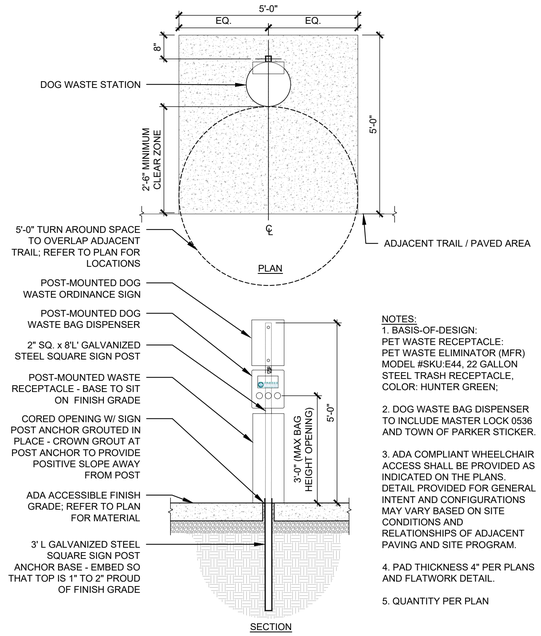
THE SQUARES ABOVE ARE COLOR, WITH BLACK AND WHITE TOTAL & PRINTS CORRECTLY

C M Y K



NOTES:
1. BASIS-OF-DESIGN: VICTOR STANLEY (MFR.) MODEL RB-45, 45 GAL., STANDARD TAPERED FORMED LID, COLOR: STANDARD BLACK; SURFACE MOUNT; PROVIDE W/ LINER.
2. WHERE RECEPTACLE SITS ON UNIT PAVING OR CRUSHER FINES PAVING, SELF-TAPPING CONCRETE SCREWS TO EXTEND THROUGH UNIT PAVING AND EMBED INTO C.I.P. CONCRETE SLAB OR FOOTING TO MIN. 3" DEPTH.
3. ADA COMPLIANT WHEELCHAIR ACCESS SHALL BE PROVIDED AS INDICATED ON THE PLANS. DETAIL PROVIDED FOR GENERAL INTENT AND CONFIGURATIONS MAY VARY BASED ON SITE CONDITIONS AND RELATIONSHIPS OF ADJACENT PAVING AND SITE PROGRAM.
4. RECYCLING RECEPTACLE TO HAVE A FLAT TOP "RECYCLING" LID.
5. PAD THICKNESS 4" PER PLANS AND FLATWORK DETAIL.
6. QUANTITY PER PLAN

C1 TRASH AND RECYCLING RECEPTACLE
1/2" = 1'-0"



NOTES:
1. BASIS-OF-DESIGN:
PET WASTE RECEPTACLE:
PET WASTE ELIMINATOR (MFR)
MODEL #SKU:E44, 22 GALLON
STEEL TRASH RECEPTACLE,
COLOR: HUNTER GREEN;

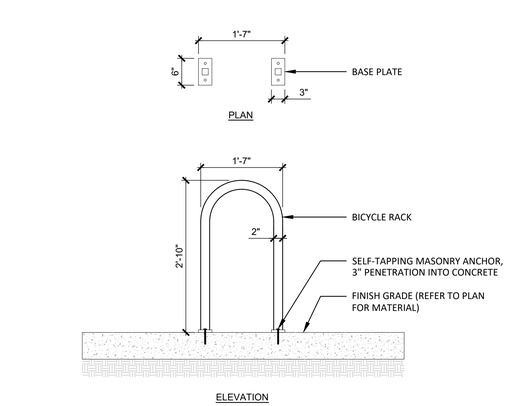
2. DOG WASTE BAG DISPENSER TO INCLUDE MASTER LOCK 0536 AND TOWN OF PARKER STICKER.

3. ADA COMPLIANT WHEELCHAIR ACCESS SHALL BE PROVIDED AS INDICATED ON THE PLANS. DETAIL PROVIDED FOR GENERAL INTENT AND CONFIGURATIONS MAY VARY BASED ON SITE CONDITIONS AND RELATIONSHIPS OF ADJACENT PAVING AND SITE PROGRAM.

4. PAD THICKNESS 4" PER PLANS AND FLATWORK DETAIL.

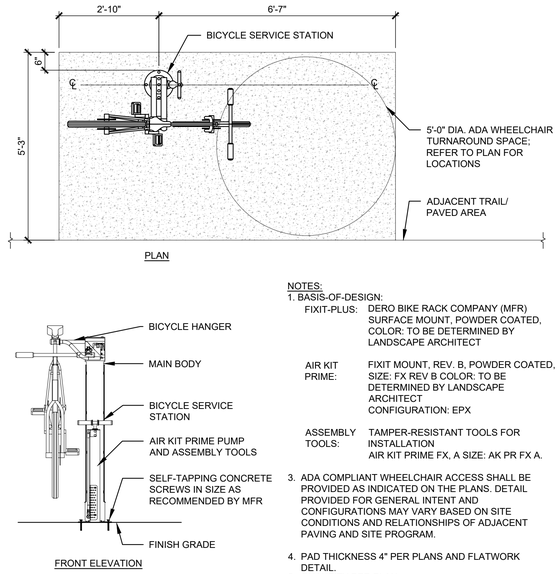
5. QUANTITY PER PLAN

C2 PET WASTE STATION
1/2" = 1'-0"



NOTES:
1. BASIS-OF-DESIGN: BIKE RACK (MADRAX U-200), SURFACE MOUNTED, COLOR: BLACK
2. FINAL LOCATION TO BE VERIFIED IN FIELD WITH OWNER AND DESIGN TEAM COORDINATE WITH OWNER ON EXACT LOCATION.
3. WHERE BICYCLE RACK SITS ON UNIT PAVING, MASONRY ANCHOR TO EXTEND THROUGH UNIT PAVING AND EMBED INTO C.I.P. CONCRETE FOOTING TO MIN. 3" DEPTH.
3. QUANTITY PER PLAN
4. COLOR: BLACK

A1 BIKE RACK
3/4" = 1'-0"



NOTES:
1. BASIS-OF-DESIGN:
FIXIT-PLUS: DERO BIKE RACK COMPANY (MFR) SURFACE MOUNT, POWDER COATED, COLOR: TO BE DETERMINED BY LANDSCAPE ARCHITECT

AIR KIT PRIME: FIXIT MOUNT, REV. B, POWDER COATED, SIZE: FX REV B COLOR: TO BE DETERMINED BY LANDSCAPE ARCHITECT CONFIGURATION: EPX

ASSEMBLY TOOLS: TAMPER-RESISTANT TOOLS FOR INSTALLATION AIR KIT PRIME FX, A SIZE: AK PR FX A.

3. ADA COMPLIANT WHEELCHAIR ACCESS SHALL BE PROVIDED AS INDICATED ON THE PLANS. DETAIL PROVIDED FOR GENERAL INTENT AND CONFIGURATIONS MAY VARY BASED ON SITE CONDITIONS AND RELATIONSHIPS OF ADJACENT PAVING AND SITE PROGRAM.

4. PAD THICKNESS 4" PER PLANS AND FLATWORK DETAIL.
5. QUANTITY PER PLAN
6. COLOR: BLACK

A2 BIKE SERVICE STATION
1/2" = 1'-0"

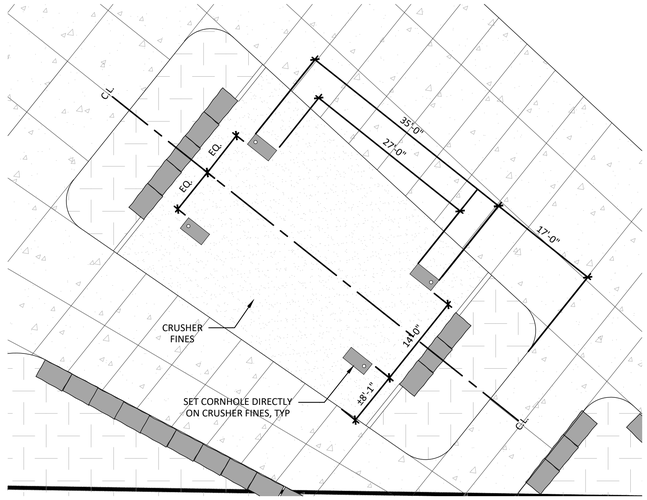


IMAGE SHOWN FOR REFERENCE ONLY
BASIS OF DESIGN:
MANUFACTURER: KAY PARK REC CORP.
MODEL: CONCRETE BAG TOSS
QUANTITY: 4



A4 CORNHOLE
NTS

COLORADO 811
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Key Map

Drawing
SITE DETAILS - 23

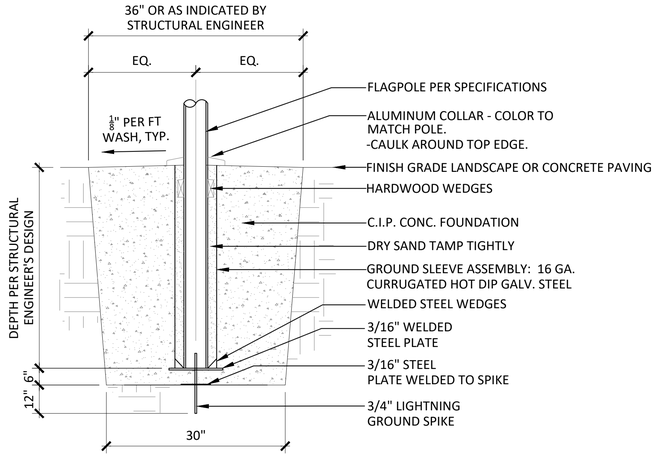
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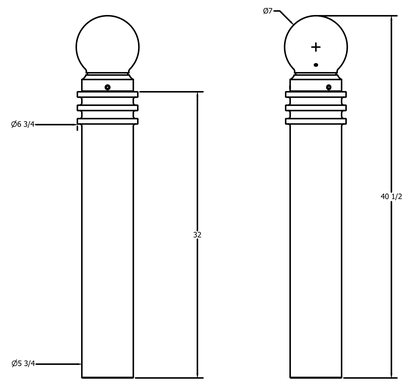
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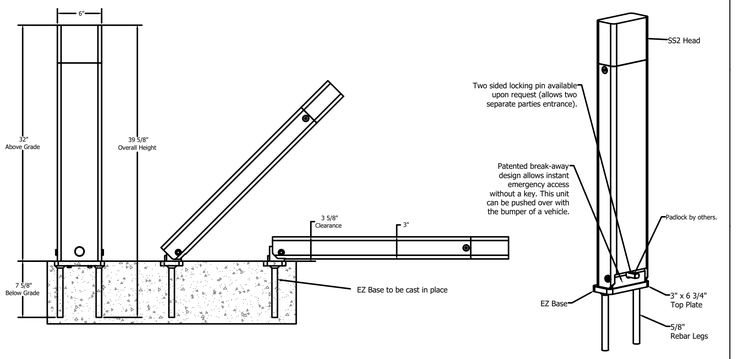
NOTE:
1. FLAGPOLE HEIGHT: AT BALLFIELDS TO BE 35'
2. FOUNDATION IS DELEGATED DESIGN. CONTRACTOR TO SUBMIT SHOP DRAWING OF DESIGN AND CALCULATIONS, SIGN/SEALED BY PROFESSIONAL ENGINEER IN JURISDICTION OF WORK BEING PERFORMED.
3. REFER TO MFR SPECIFICATIONS FOR ADDITIONAL INFORMATION.
4. LIGHTING REQUIRED AT ALL FLAGPOLES RE: ELECTRICAL
5. QUANTITY PER PLANS

C1 FLAGPOLE
1" = 1'-0"



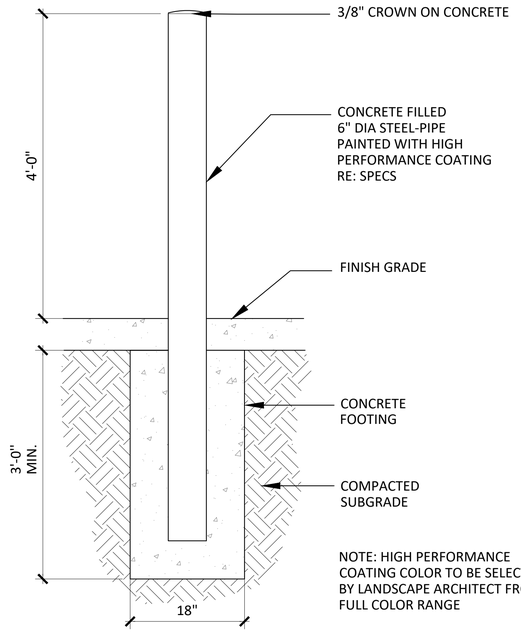
BASIS OF DESIGN:
R-7571 DECORATIVE BOLLARD BY RELIANCE FOUNDARY
COLOR: BLACK
MOUNT: EMBEDDED

C3 BOLLARD - DECORATIVE
1" = 1'-0"



PRODUCT INFORMATION:
MANUFACTURER: MAXIFORCE
MODEL: MCSP-SS2-S - COLLAPSIBLE, POWDER COATED WITH REFLECTIVE TAPE
OPERATION: PADLOCK
FINISH: ZINC RICH PRIMER OR GALVANIZED
COLOR: TO BE DETERMINED BY LANDSCAPE ARCHITECT

A1 REMOVABLE BOLLARD
NTS



NOTE: HIGH PERFORMANCE COATING COLOR TO BE SELECTED BY LANDSCAPE ARCHITECT FROM FULL COLOR RANGE

A3 BOLLARD
1/2" = 1'-0"

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SITE DETAILS - 24

L-523

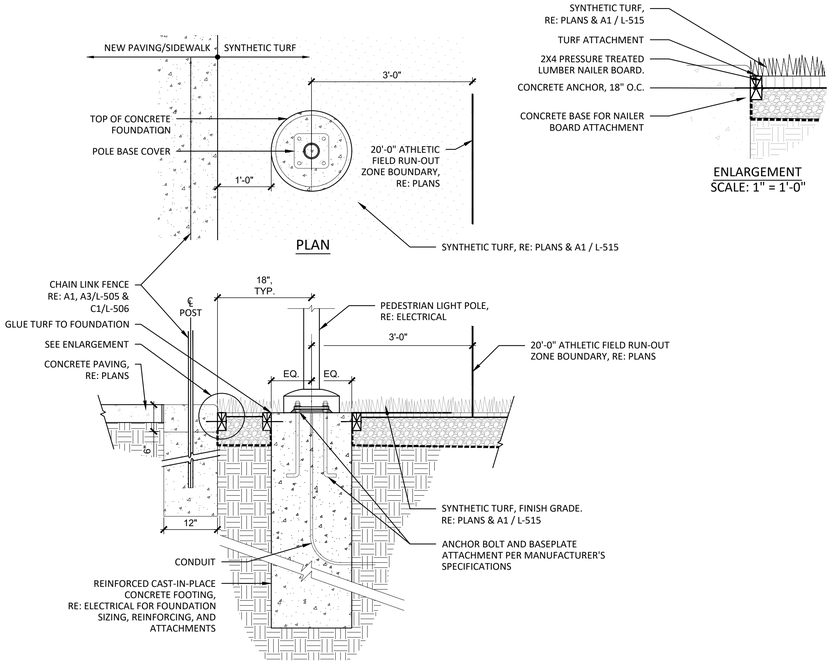
SITE PLAN SUBMITTAL

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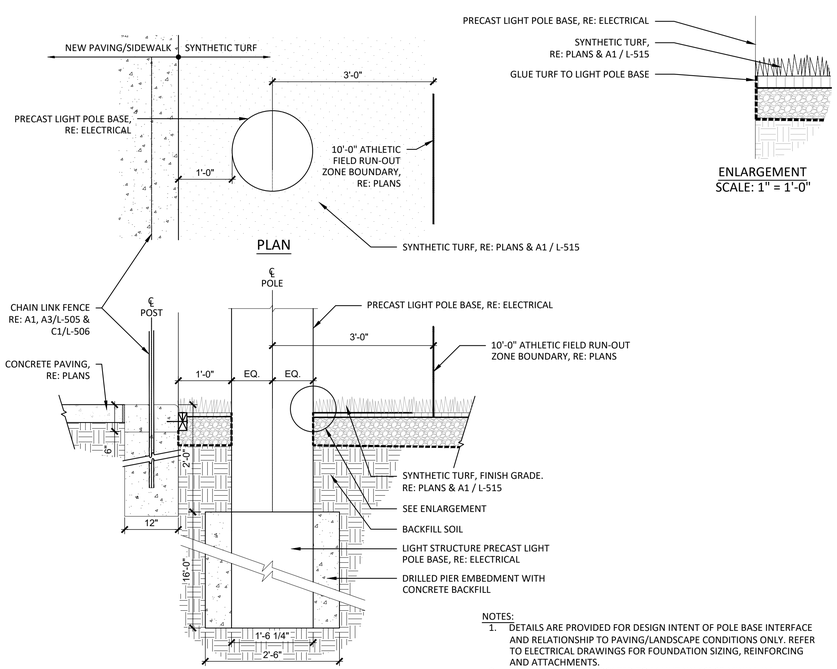
COLORADO 811
CALL 811 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR MARKING OF UNDERGROUND MEMBER UTILITIES

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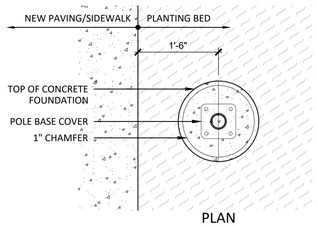


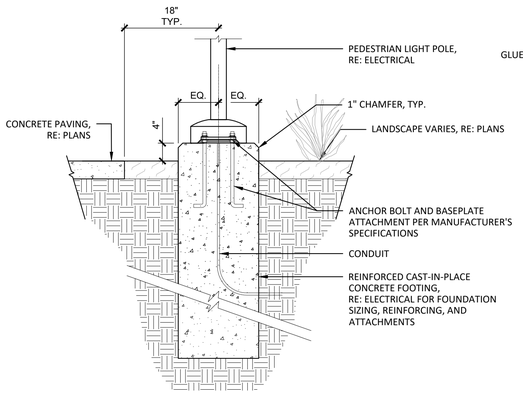
SECTION: PEDESTRIAN LIGHT POLE AT
SYNTHETIC TURF ADJACENT TO PAVEMENT



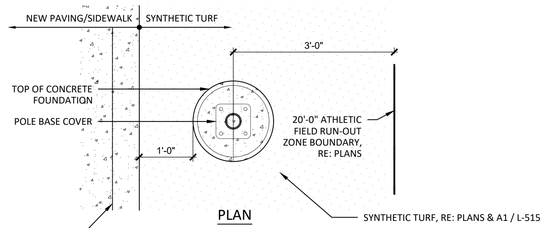
SECTION: MULTI-USE FIELDS LIGHT POLE AT
SYNTHETIC TURF ADJACENT TO PAVEMENT

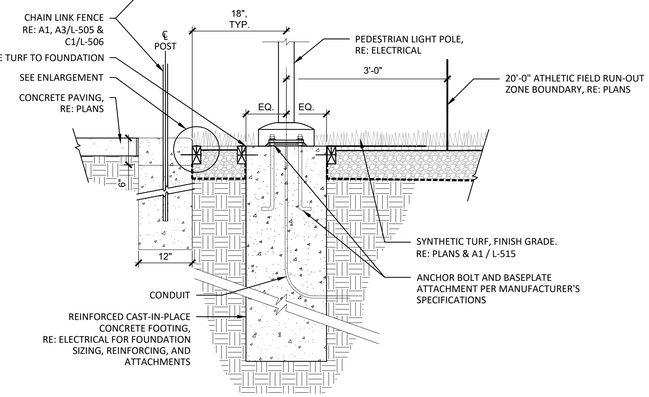
NOTES:
1. DETAILS ARE PROVIDED FOR DESIGN INTENT OF POLE BASE INTERFACE AND RELATIONSHIP TO PAVING/LANDSCAPE CONDITIONS ONLY. REFER TO ELECTRICAL DRAWINGS FOR FOUNDATION SIZING, REINFORCING AND ATTACHMENTS.
2. FIXTURES MUST BE LOCATED TO MAINTAIN 10'-0" MINIMUM HORIZONTAL CLEARANCE FROM ANY OBSTRUCTION. ENGINEER MUST BE NOTIFIED IF FOUNDATIONS ARE NEAR ANY RETAINING WALLS OR WITHIN / NEAR ANY SLOPES STEEPER THAN 3:1. POLES, FIXTURES, PRECAST BASES, ELECTRICAL ITEMS AND INSTALLATION PER MUSCO LIGHTING OR APPROVED EQUAL.



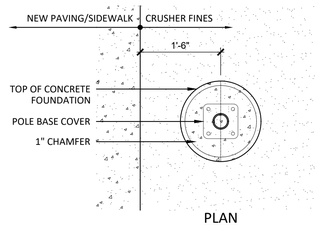


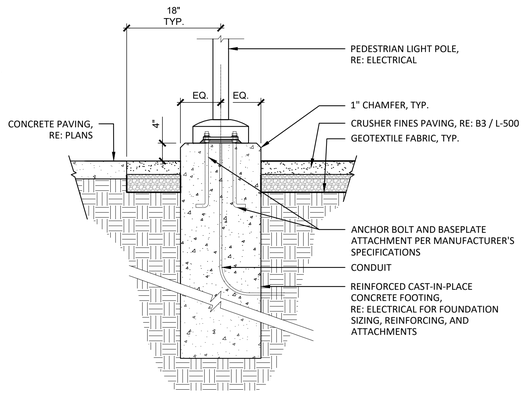
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PLANTING BED ADJACENT TO PAVEMENT





SECTION: PEDESTRIAN LIGHT POLE AT
SYNTHETIC TURF ADJACENT TO PAVEMENT





SECTION: PEDESTRIAN LIGHT POLE AT
CRUSHER FINES ADJACENT TO PAVEMENT

A4 LIGHTING FOOTER
1" = 1'-0"

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LANDSCAPE ARCHITECTURE

PLANNING

INTERIOR DESIGN

	DATE	DESCRIPTION

Project Number: 223072.00
Sheet Issue Date: 2024-11-22
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Checked By: RB, CB, DD

Key Map

Drawing

SITE DETAILS - 25

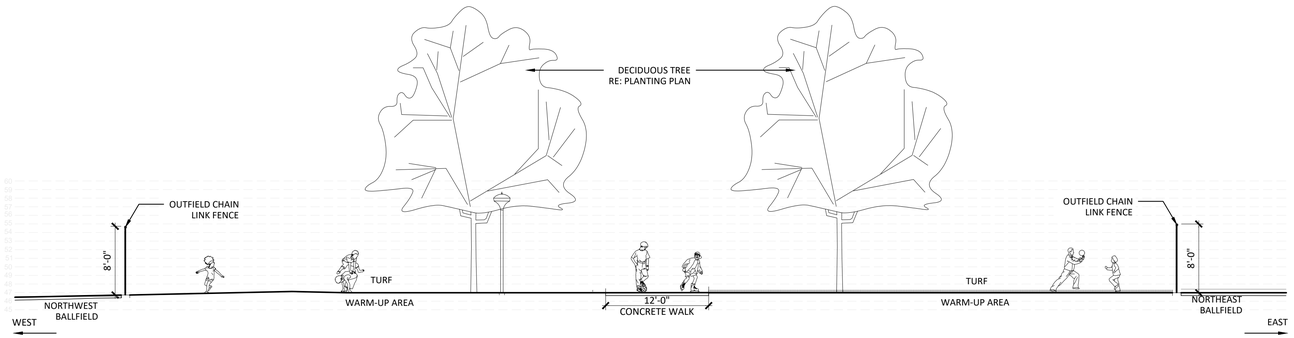
L-524

SITE PLAN SUBMITTAL
Page 208 of 311

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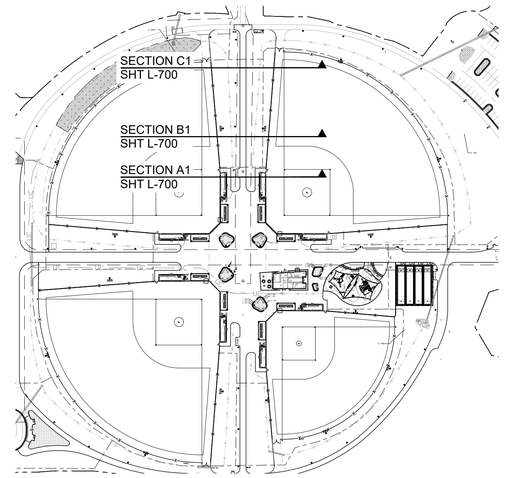
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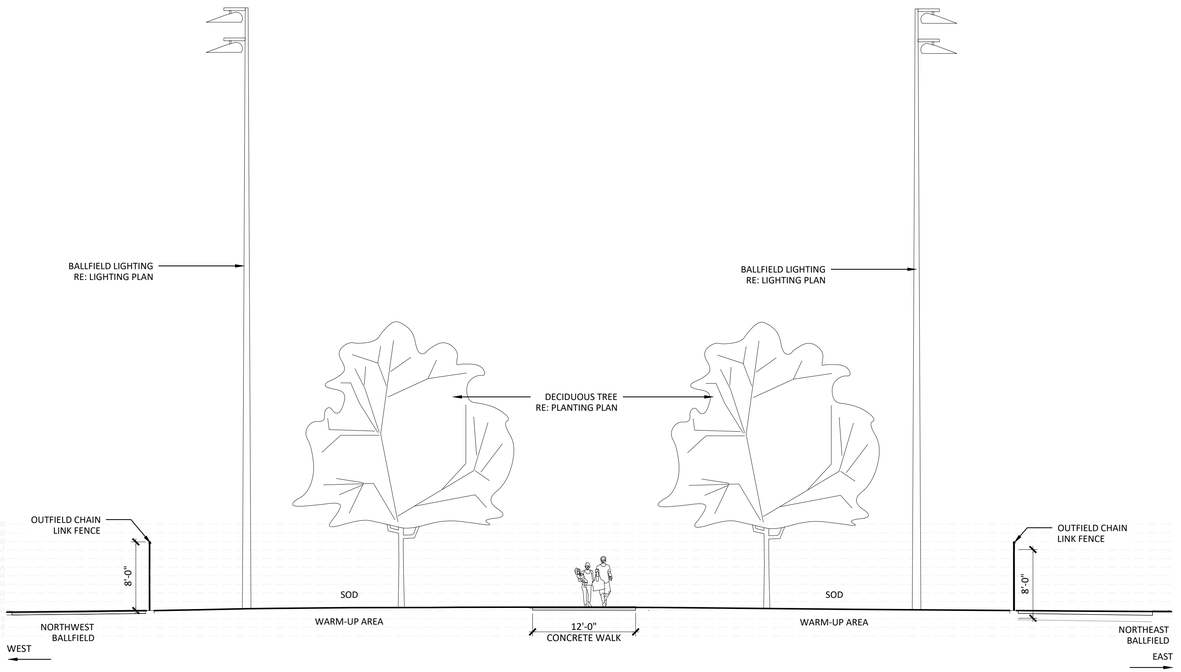
C1 BALLFIELD COMPLEX SECTION - C1

1/4" = 1'-0"



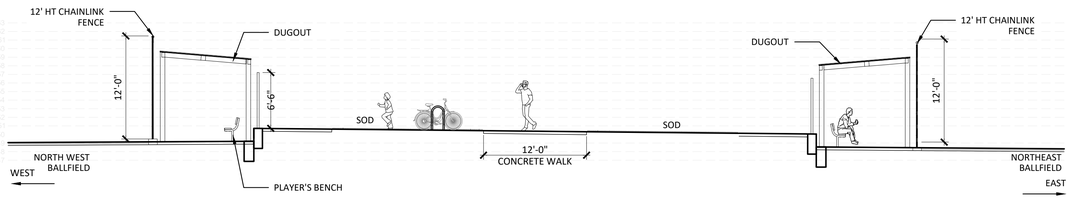
KEYMAP

NTS



B1 BALLFIELD COMPLEX SECTION - B1

1/4" = 1'-0"



A1 BALLFIELD COMPLEX SECTION - A1

1/4" = 1'-0"

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Key Map

Drawing

SITE SECTIONS - BALLFIELD COMPLEX

L-700

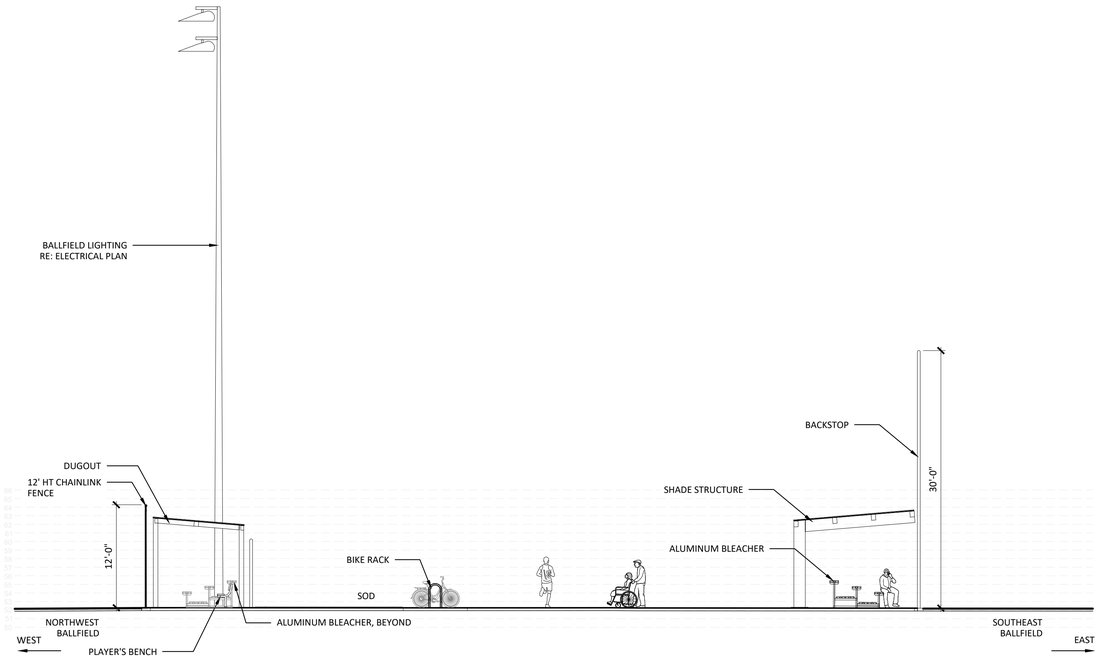
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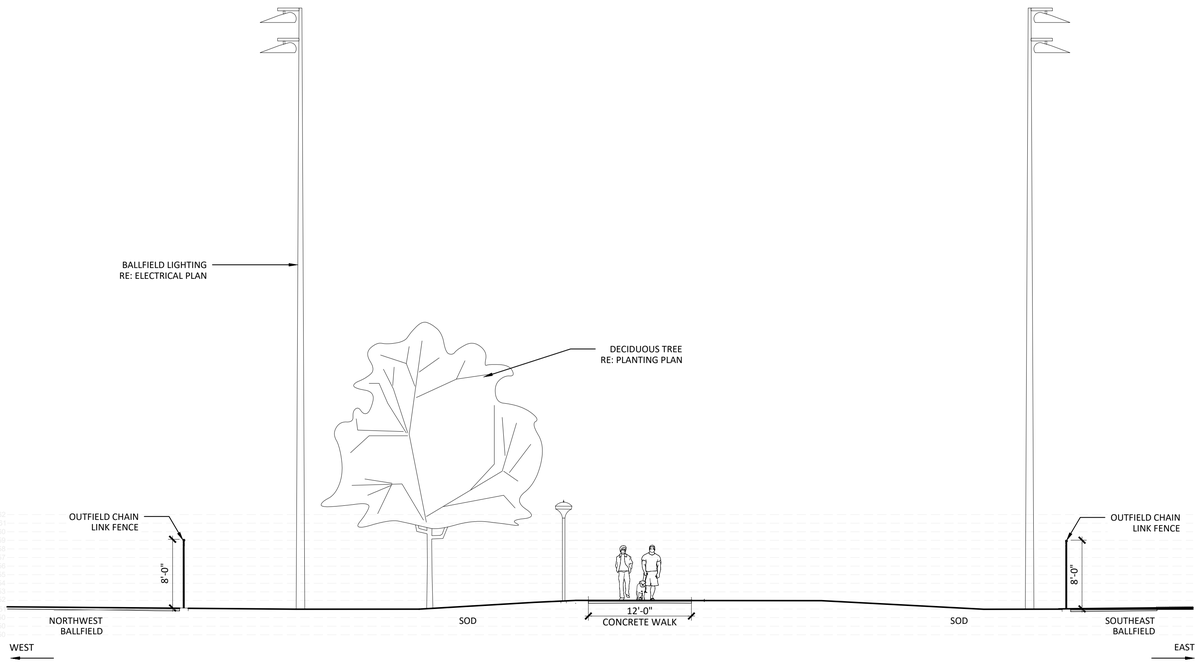
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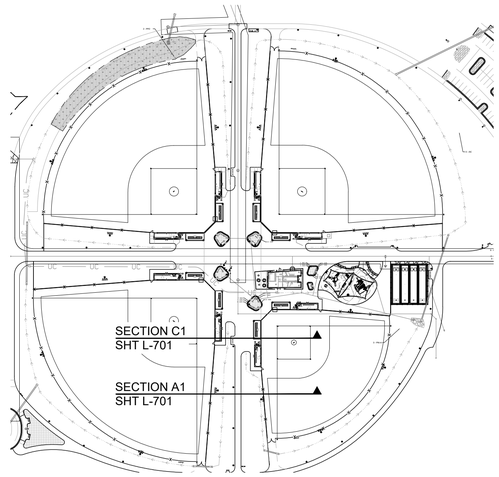
C1 BALLFIELD COMPLEX SECTION - C1

1/4" = 1'-0"



A1 BALLFIELD COMPLEX SECTION - A1

1/4" = 1'-0"



KEYMAP

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Key Map

Drawing

SITE SECTIONS - BALLFIELD COMPLEX

L-701

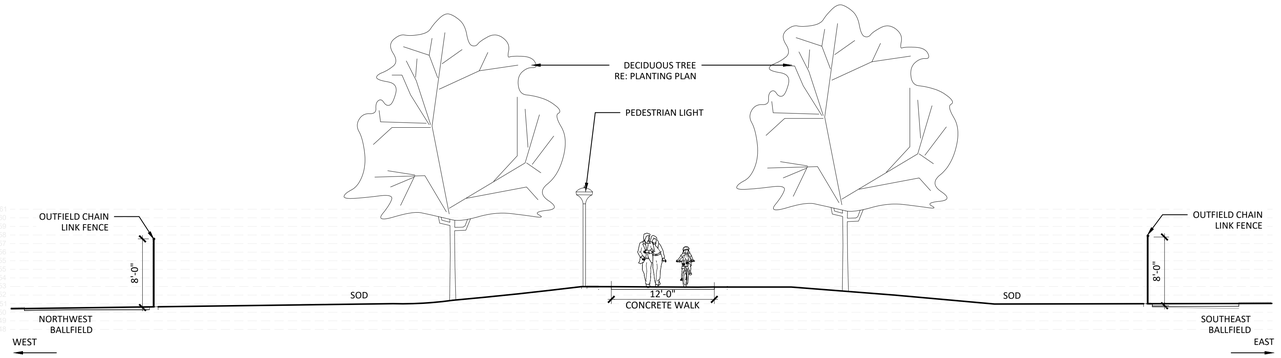
SITE PLAN SUBMITTAL

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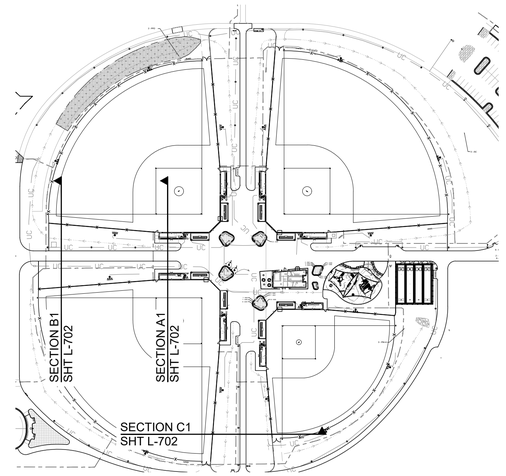
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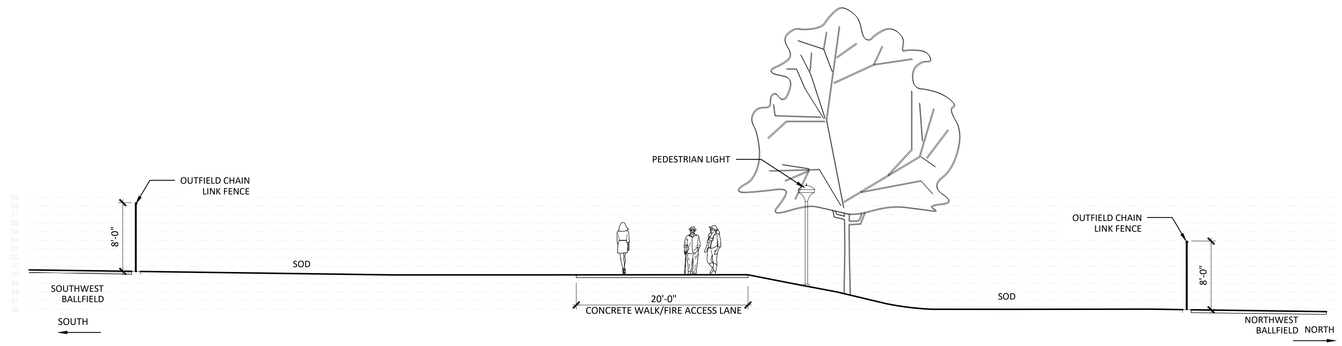
C1 BALLFIELD COMPLEX SECTION - C1

1/4" = 1'-0"



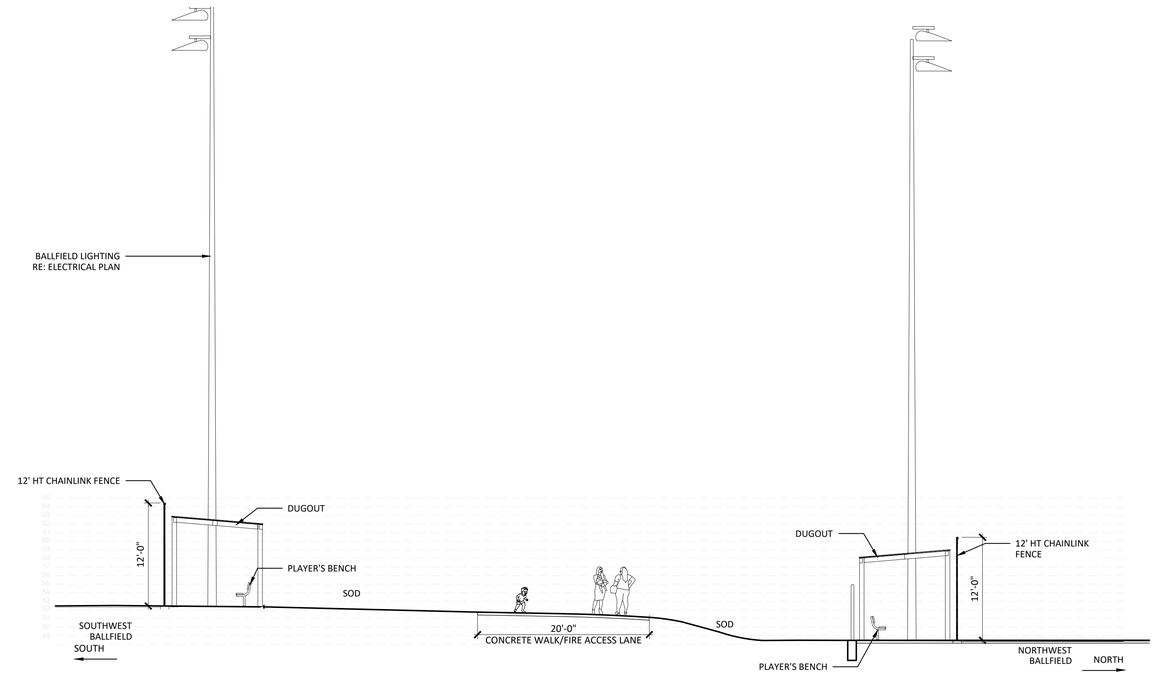
KEYMAP

NTS



B1 BALLFIELD COMPLEX SECTION - B1

1/4" = 1'-0"



A1 BALLFIELD COMPLEX SECTION - A1

1/4" = 1'-0"

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PLANNING
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	DATE	DESCRIPTION

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Key Map

Drawing

SITE SECTIONS - BALLFIELD COMPLEX

L-702

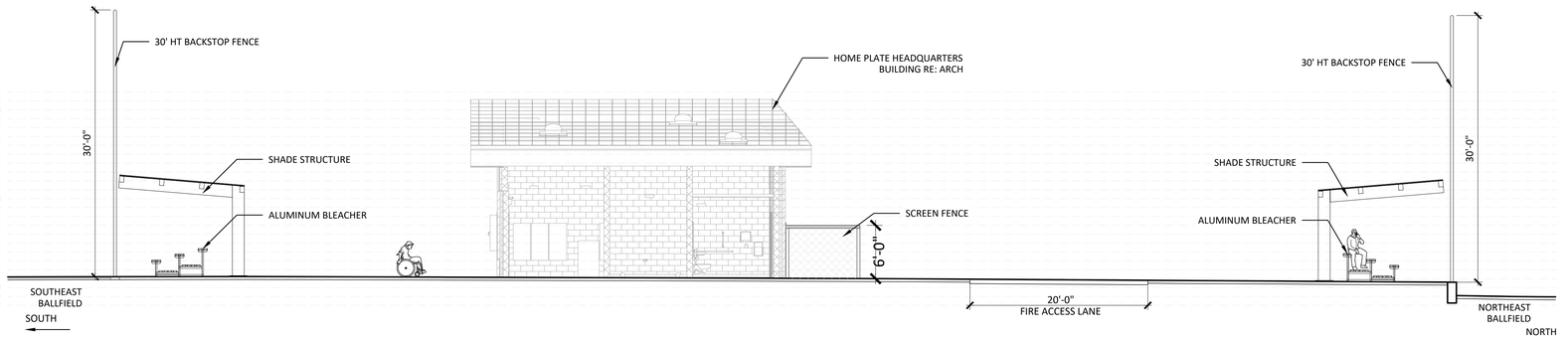
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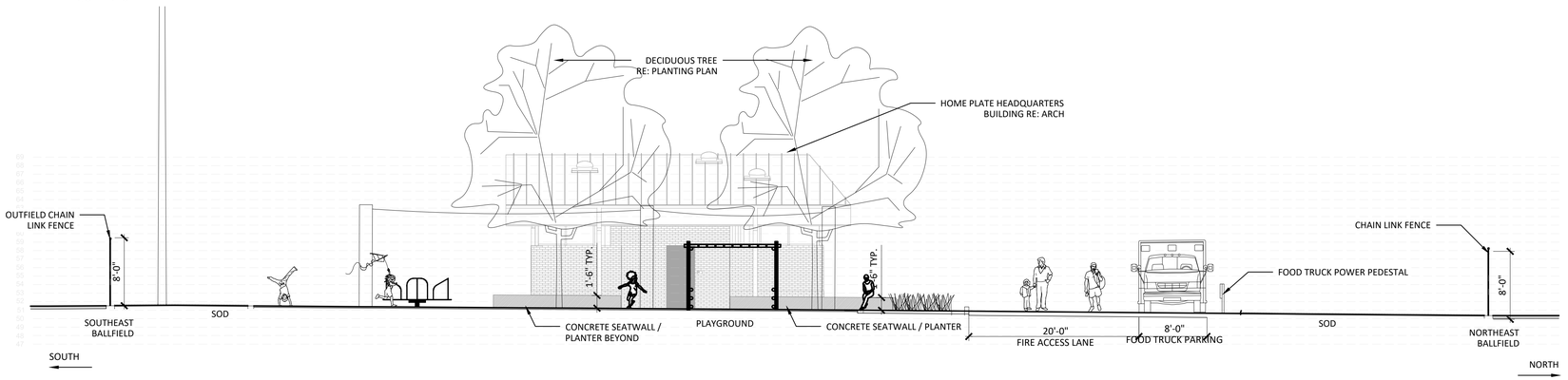
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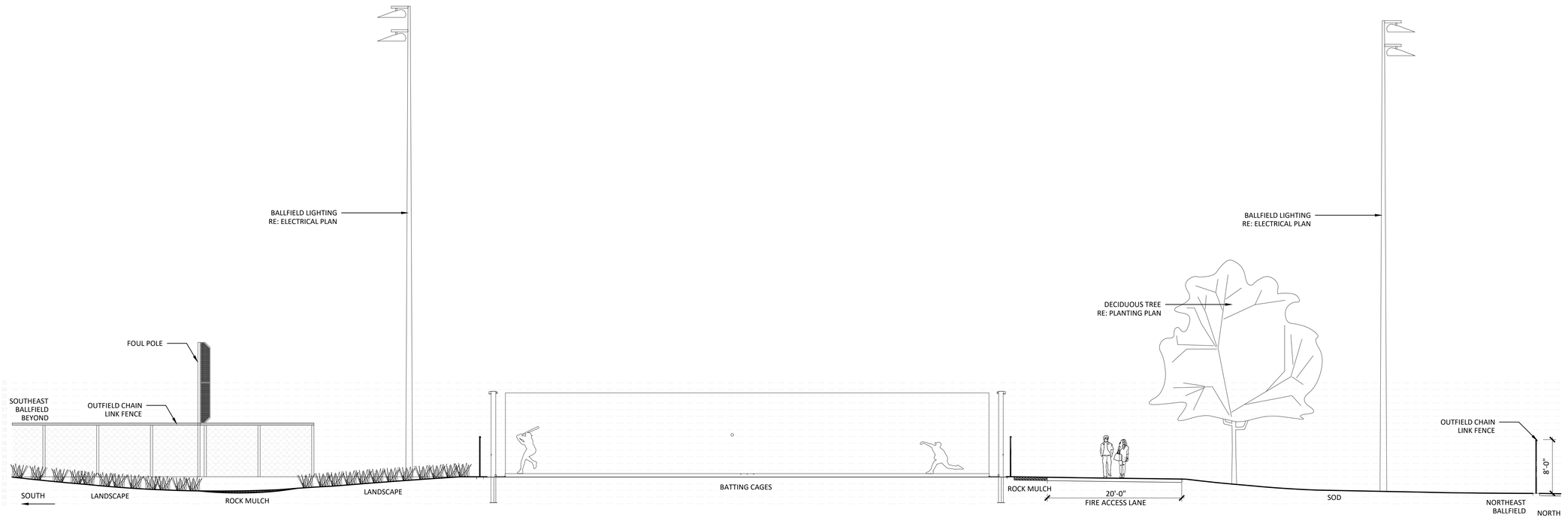
C1 BALLFIELD COMPLEX SECTION - C1

1/8" = 1'-0"



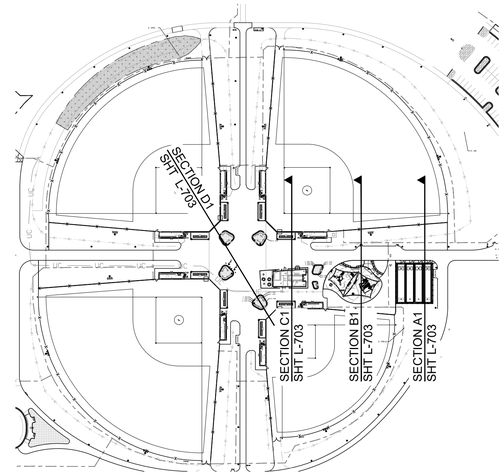
B1 BALLFIELD COMPLEX SECTION - B1 (ADD ALTERNATE NO. 03)

1/8" = 1'-0"



A1 BALLFIELD COMPLEX SECTION - A1 (ADD ALTERNATE NO. 04)

1/8" = 1'-0"



KEYMAP

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Key Map

Drawing

SITE SECTIONS - BALLFIELD COMPLEX

L-703

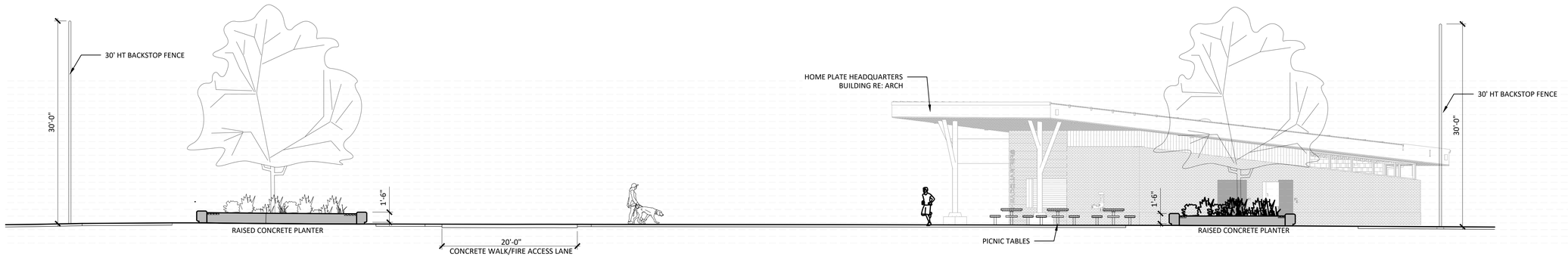
SITE PLAN SUBMITTAL

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COLORADO 811
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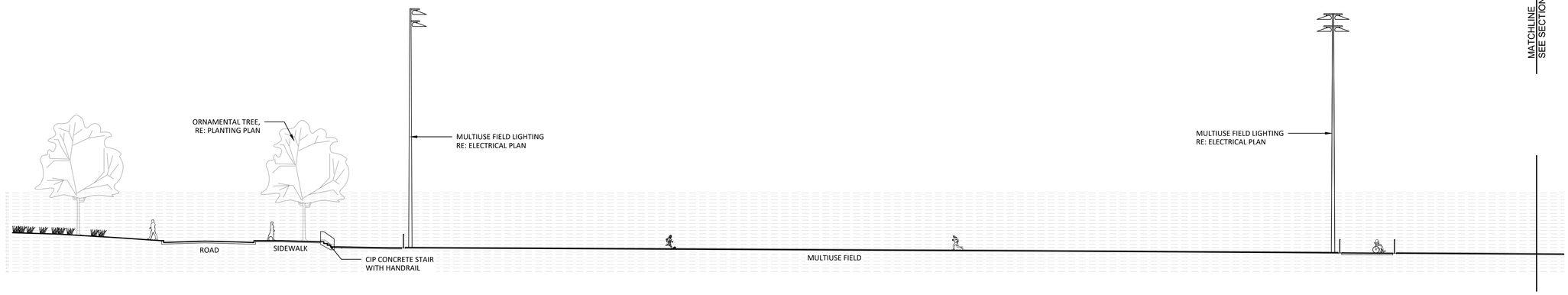
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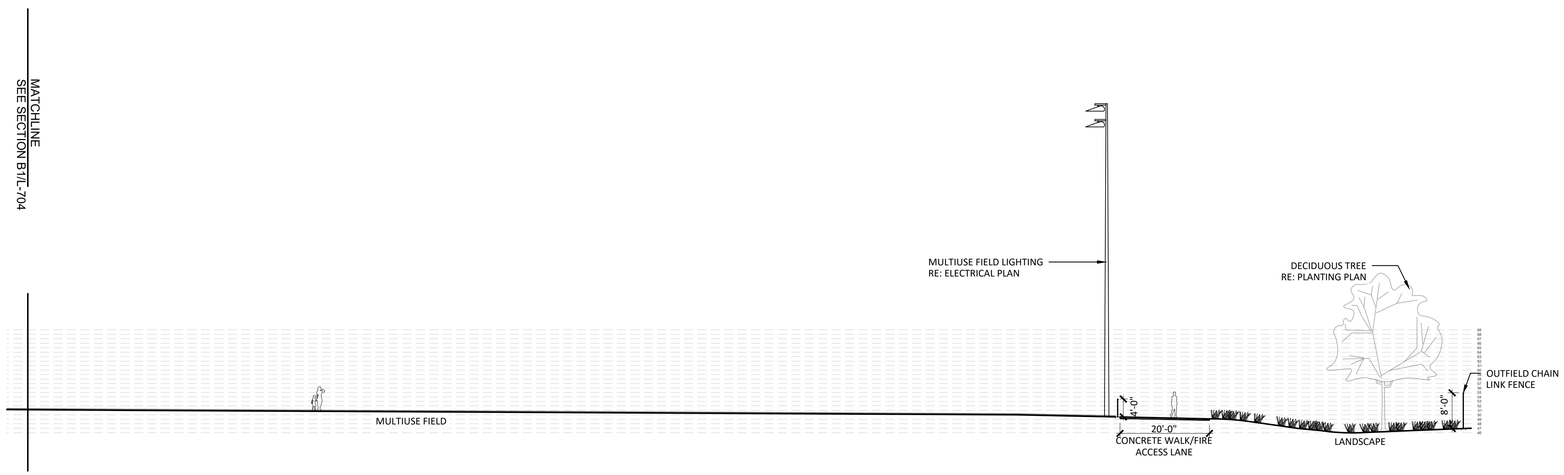
D1 BALLFIELD COMPLEX SECTION - D1

1/8" = 1'-0"



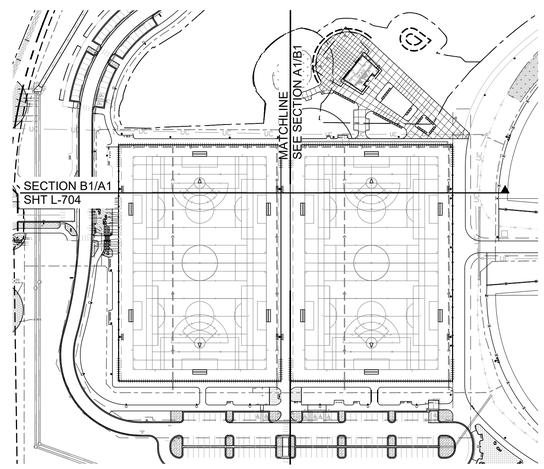
B1 MULTIPURPOSE FIELD SECTION - B1

1/16" = 1'-0"



A1 MULTIPURPOSE FIELD SECTION - A1

1/16" = 1'-0"



KEYMAP

NTS

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LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

	DATE	DESCRIPTION

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Key Map

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SITE SECTIONS - BALLFIELD COMPLEX & MULTI-USE FIELDS

L-704

SITE PLAN SUBMITTAL

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Salisbury Park - North - August , 2024

FIGURES SHOWN BELOW ARE FOR ALL IRRIGATED AREAS AT 100% BUILD-OUT OF PARK

ParkerWater & Sanitation District

LANDSCAPE/IRRIGATION WORKSHEET

Tap sizing for dedicated irrigation taps

Yellow fields require user input

Irrigation Water Requirement = (ETo x PF x LA)/IE

Define Landscape & Irrigation System:		
High Water Use Plant Material		
Cool season turfgrass (Kentucky bluegrass)		
Plant Factor (PF, %)	High	0.9
Landscape Area (LA, sq ft)	365100	
Irrigation Efficiency (IE, %)	Overhead	0.65
High-Moderate Water Use Plant Material		
Hybrid grass types (Texas hybrids, fescue, etc.)		
Plant Factor (PF, %)	High-Med	0.8
Landscape Area (LA, sq ft)		
Irrigation Efficiency (IE, %)	Overhead	0.65
Moderate Water Use Plant Material		
Traditional trees/shrubs/perennials, alternative grass types (buffalograss, blue grama, etc.)		
Plant Factor (PF, %)	Med	0.5
Landscape Area (LA, sq ft)	0	
Irrigation Efficiency (IE, %)	Drip	0.9
Low Water Use Plant Material		
Xeric trees/shrubs/perennials, native grass mixes		
Plant Factor (PF, %)	Low	0.25
Landscape Area (LA, sq ft)	592310	
Irrigation Efficiency (IE, %)	Overhead	0.65

*PWSD holds final discretion for determining appropriate plant factor designations based on landscape plan submission

Visit Appendix B of the SMWSA Model Ordinance for Plant Factor Guidelines

Site Summary:	
Total Irrigated Area (sq ft)	957410
Avg Plant Factor (%)	0.50
Avg Irrigation Efficiency (%)	0.65

Peak monthly ET, Parker, CO:		
Peak monthly ET (July):	7.56	in

Irrigation Water Requirement (IWR):		
Peak monthly IWR:	3437286	gal
Maximum flow requirement	359.3	GPM

* Max. flow requirements are based on peak monthly irrigation demands and follow PWSD's watering guidelines

Hydraulic Requirements:	
Tap Size (in)	**Max GPM v = 7.5 fps**
3/4"	10
1"	18
1 1/2"	40
2"	71
3"	189
4"	380

* 2" and smaller assumes Seamless K Copper Tube
3" and larger assumes Ductile Iron Pipe Class 350

Tap Size Requirement	4"

System Design Pressure: PSI

☐ Design pressure has been field tested & verified

☐ This form has been completed in compliance with PWSD's Engineering Standards & Specifications Manual regarding irrigation design specifications

Irrigation Construction Notes

1. ALL BASE INFORMATION HAS BEEN TAKEN FROM DRAWINGS PREPARED BY HORD COPLAN MACHT.
2. REFER TO TECHNICAL SPECIFICATIONS AND CONSTRUCTION DETAILS FOR INSTALLATION PROCEDURES.
3. CONTRACTOR SHALL FIELD VERIFY PRESSURE AT BACKFLOW PREVENTER LOCATION FOR EACH TAP PRIOR TO ORDERING MATERIALS OR STARTING ANY IRRIGATION INSTALLATION AND NOTIFY CONSULTANT OF ANY DIFFERENCES FROM STATED PRESSURE. IF CONTRACTOR FAILS TO NOTIFY CONSULTANT HE ASSUMES FULL RESPONSIBILITY FOR ANY SYSTEM ALTERATIONS. SYSTEM HAS BEEN DESIGNED FOR A STATIC PRESSURE OF XX PSI (PER PARKER WATER AND SANITATION DISTRICT).

TAP LOCATION/NUMBER	AVAILABLE PRESSURE	REQUIRED PRESSURE
1	110 PSI	90 PSI

4. CONTRACTOR SHALL COORDINATE INSTALLATION OF SLEEVING WITH INSTALLATION OF CONCRETE FLATWORK AND PAVING. ALL SLEEVING IS BY CONTRACTOR UNLESS OTHERWISE NOTED. UNLESS NOTED OTHERWISE ON IRRIGATION PLANS INSTALL SLEEVING BASED ON SLEEVE SIZING GUIDE BELOW:

PIPE SIZE OR WIRE QUANTITY	REQUIRED SLEEVE
3/4" - 1" PIPING	1-2" PVC SLEEVE
1-1/2" - 2" PIPING	1-4" PVC SLEEVE
2-1/2" - 3" PIPING	1-6" PVC SLEEVE
4" PIPING	1-8" PVC SLEEVE
6" PIPING	1-12" PVC SLEEVE
TWO-WIRE DECODER CABLE	1-2" PVC SLEEVE

NOTE: EACH LENGTH OF SLEEVED PIPE SHOWN SHALL BE ROUTED THROUGH SEPARATE SLEEVE. IRRIGATION TWO-WIRE CABLE SHALL BE ROUTED IN SEPARATE SLEEVE/CONDUIT WITHOUT IRRIGATION PIPING

5. WHERE NOT NOTED ON IRRIGATION PLANS CONTRACTOR TO INSTALL PLASTIC 15 SERIES NOZZLES ON POP-UP SPRAY HEADS SPACED GREATER THAN 12 FEET, INSTALL 12 SERIES NOZZLES ON POP-UP SPRAY HEADS SPACED 10-12 FEET, INSTALL 10 SERIES NOZZLES ON ALL POP-UP SPRAY HEADS SPACED 8-10 FEET. INSTALL 8 SERIES NOZZLES ON POP-UP SPRAY HEADS SPACED 8 FEET AND LESS.
6. REFER TO PLANTING PLAN FOR EXACT TREE LOCATIONS AND QUANTITIES, TREES SHOWN ON IRRIGATION PLANS ARE APPROXIMATE.
7. CONTRACTOR SHALL REPAIR OF REPLACE ANY EXISTING IRRIGATION EQUIPMENT, TURF, PLANT MATERIAL OR SITE FEATURES DAMAGED DURING NEW INSTALLATION. REPLACEMENT OR REPAIR OF DAMAGED EQUIPMENT OR MATERIAL SHALL BE DETERMINED BY THE OWNER AND THE CONSULTANT.
8. VALVE BOXES SHALL BE LOCATED 36" MINIMUM FROM CENTERLINE OF ALL SWALES, 24" MINIMUM FROM EDGES OF ALL WALKS, CURBS, DRIVES AND OTHER HARD SURFACE AREAS.
9. REFER TO IRRIGATION TECHNICAL SPECIFICATIONS FOR PLANTING AND IRRIGATION LAY-OUT REQUIREMENTS, COORDINATION AND PRIORITIES.
10. LATERAL PIPING DIAMETERS SHALL INCLUDE 1", 1 1/2", 2" AND 2 1/2". 3/4" AND 1 1/4" DIAMETER LATERAL PIPE IS NOT ACCEPTABLE.
11. ALL VALVE BOXES AND LIDS TO BE PURPLE.
12. TWO-WIRE CABLE SHALL BE PAIGE ELECTRIC P7072-D 14 GA. CABLE. USE 3M CO. DBR/Y-6 CONNECTORS FOR ALL CABLE SPLICES (RE: SPECS.).

Irrigation Equipment and Materials Schedule

SYMBOL	MANUFACTURER	MODEL NO.	DESCRIPTION	DETAIL NO.	COMMENTS
●,	RAIN BIRD	RD06-S-P30-F W/ SPEC'D. NOZZLE	POP-UP SPRAY HEAD	2	PURPLE CAP
■, ■, ■, ■	RAIN BIRD	RD12-S-P30-F W/ SPEC'D. NOZZLE	POP-UP SPRAY HEAD	2	
12-25, 12-25, 12-25, 12-30, 12-30, 12-30	HUNTER	I-20-12 W/ MPR-25 SERIES NOZZLE	HI-POP GEAR DRIVEN ROTOR	1	
	HUNTER	I-20-12 W/ MPR-30 SERIES NOZZLE	HI-POP GEAR DRIVEN ROTOR	1	
12-2.0LA	HUNTER	I-20-12 W/ 2.0LA NOZZLE	HI-POP GEAR DRIVEN ROTOR	1	
12-2.5LA	HUNTER	I-20-12 W/ 2.5LA NOZZLE	HI-POP GEAR DRIVEN ROTOR	1	
12-3.5LA	HUNTER	I-20-12 W/ 3.5LA NOZZLE	HI-POP GEAR DRIVEN ROTOR	1	
12-2.5	HUNTER	I-20-12 W/ 2.5 NOZZLE	HI-POP GEAR DRIVEN ROTOR	1	
12-3.0	HUNTER	I-20-12 W/ 3.0 NOZZLE	HI-POP GEAR DRIVEN ROTOR	1	
12-4.0	HUNTER	I-20-12 W/ 4.0 NOZZLE	HI-POP GEAR DRIVEN ROTOR	1	
12-5.0	HUNTER	I-20-12 W/ 5.0 NOZZLE	HI-POP GEAR DRIVEN ROTOR	1	
● 4.0	HUNTER	I-20-06-22 W/ 4.0 NOZZLE	GEAR DRIVEN ROTOR	1	
● 6.0	HUNTER	I-20-06-SS W/ 6.0 NOZZLE	GEAR DRIVEN ROTOR	1	
● 07	HUNTER	I-25-06-SS W/ 07 NOZZLE	GEAR DRIVEN ROTOR	1	
● 08	HUNTER	I-25-06-SS W/ 08 NOZZLE	GEAR DRIVEN ROTOR	1	
● 10	HUNTER	I-25-06-SS W/ 10 NOZZLE	GEAR DRIVEN ROTOR	1	
● 13	HUNTER	I-25-06-SS W/ 13 NOZZLE	GEAR DRIVEN ROTOR	1	
● 15	HUNTER	I-25-06-SS W/ 15 NOZZLE	GEAR DRIVEN ROTOR	1	
◕	RAIN BIRD	RWS-M-B-C-1402 W/ RWS-SOCK	ROOT WATERING SYSTEM	2	
⬡	WEATHERTRAK	WTOXR-C-H2O200+SWM+SPT AND ANTENNA	ELECTRIC TWO-WIRE CONTROLLER W/ PEDESTAL & FLIP-TOP COVER	10 & 11	TWO-WIRE SYSTEM OPTI-FLOW
	FEBCO	LF860-NRS - 4" DIA.	BACKFLOW PREVENTER	24 & 25	
METER		4" DIA.	WATER METER		
⊕	RAIN BIRD	1" DIA.	DRIP VALVE ASSEMBLY	13	W/ DECODER
		CLASS 200 SOLVENT WELD - 1" DIA. UNLESS NOTED OTHERWISE	PVC LATERAL	8	
		CLASS 200 SOLVENT WELD (1-1/2" THRU 2-1/2" DIA.)	PVC MAINLINE	8	
		CLASS 200 GASKETED (3" DIA. & LARGER)	PVC MAINLINE	8, 9 & 27	
		CLASS 200 SOLVENT WELD	NEW PVC SLEEVING		
	NETAFIM	TLCV-9-12	IN-LINE DRIP TUBING	17, 18, 19 & 20	SHRUB BEDS
		80 PSI NSF - 3/4" DIA.	POLY DRIP TUBING	-	
		EXISTING	PVC SLEEVING		
S	WEATHERTRACK	WT2W-H20-SA	SURGE PROTECTOR/GROUND ROD	26	
R	IRRITROL	RFS-1000	WIRELESS RAIN/FREEZE SENSOR	12	
F	WEATHERTRAK	WTF3-400-RS-NC - 4" DIA.	HYDROMETER	25	REED SWITCH NORMALLY CLOSED FLANGED
▼	RAIN BIRD	1402	TREE BUBBLER	16	NATIVE SEED AREAS
	MATCO-NORCA	10 RT (GASKETED) - 3" DIA. & LARGER	GATE VALVE	23	
	MATCO-NORCA	10 RS (FIPTxFIPT) - 2" & 2-1/2" DIA.	GATE VALVE	22	
▽		LINE DIA.	DRIP LINE BLOW-OUT STUB	14 & 15	
▼	RAIN BIRD	44 LRC	QUICK COUPLING VALVE	3	
	RAIN BIRD	EFB-CP-PRS-D SERIES	ELECTRIC CONTROL VALVE	4	W/ DECODER
H		2" DIA.	FIRE HYDRANT CONNECTION	31	6
♦	A.Y. McDONALD	76101 - 3/4" DIA.	MANUAL DRAIN VALVE	5	
●	HUNTER	I-20-04 W/ 4.0 NOZZLE	ON-GRADE GEAR DRIVEN ROTOR	29	
		CLASS 200 SOLVENT WELD - 1" DIA. UNLESS NOTED OTHERWISE	ON-GRADE PVC LATERAL	29	
		CLASS 200 SOLVENT WELD	ON-GRADE PVC MAINLINE		
CPW		CONTROLLER & STATION NO.			
		CONTROL VALVE SIZE			

COLORADO 811

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Checked By: DZ

Key Map

Drawing

IRRIGATION COVER SHEET

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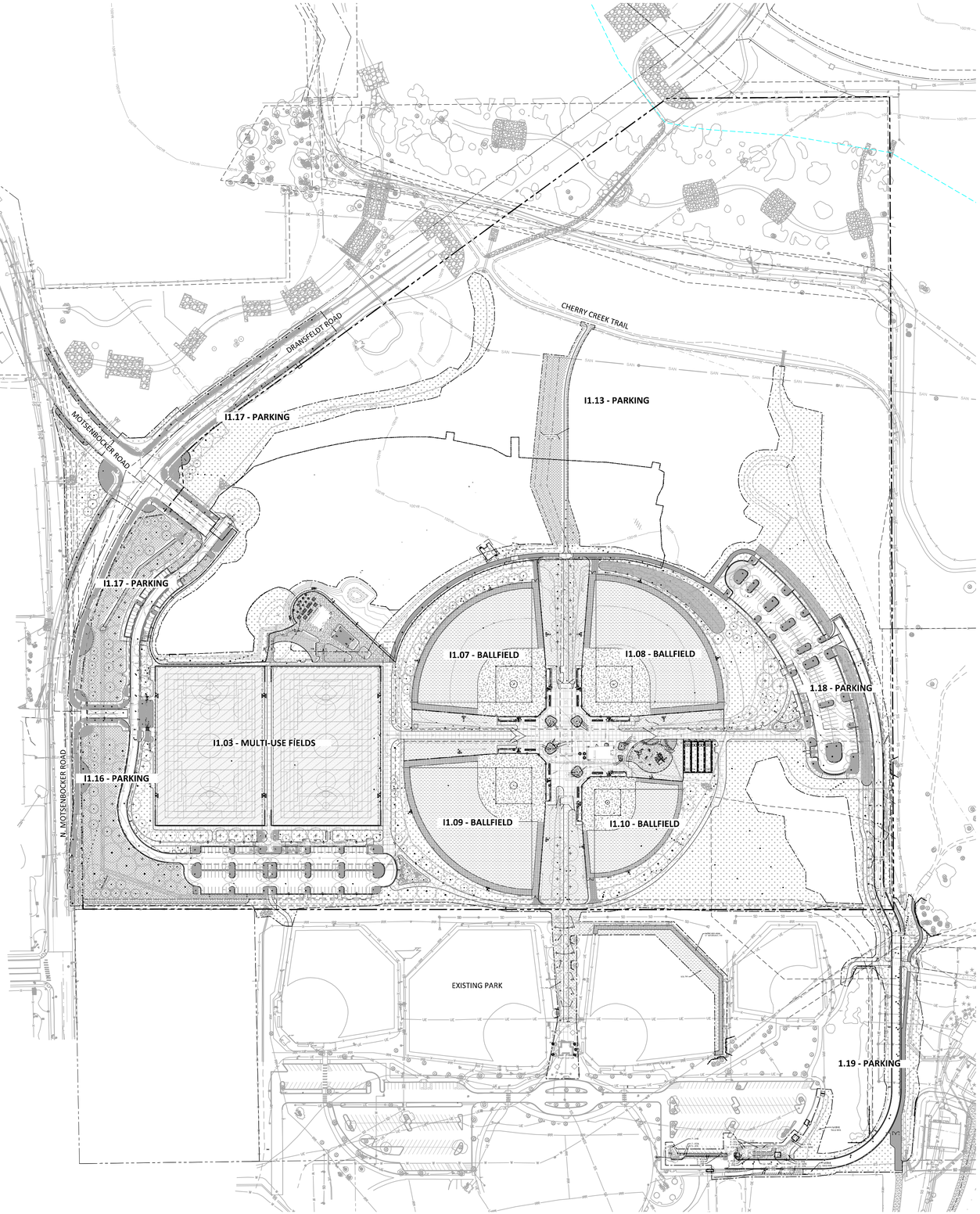
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A1 OVERALL IRRIGATION - BASE BID

1" = 140'-0"

SCALE: 1" = 140'-0"

0' 70' 140' 280' 420'

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OVERALL IRRIGATION PLAN- BASE BID

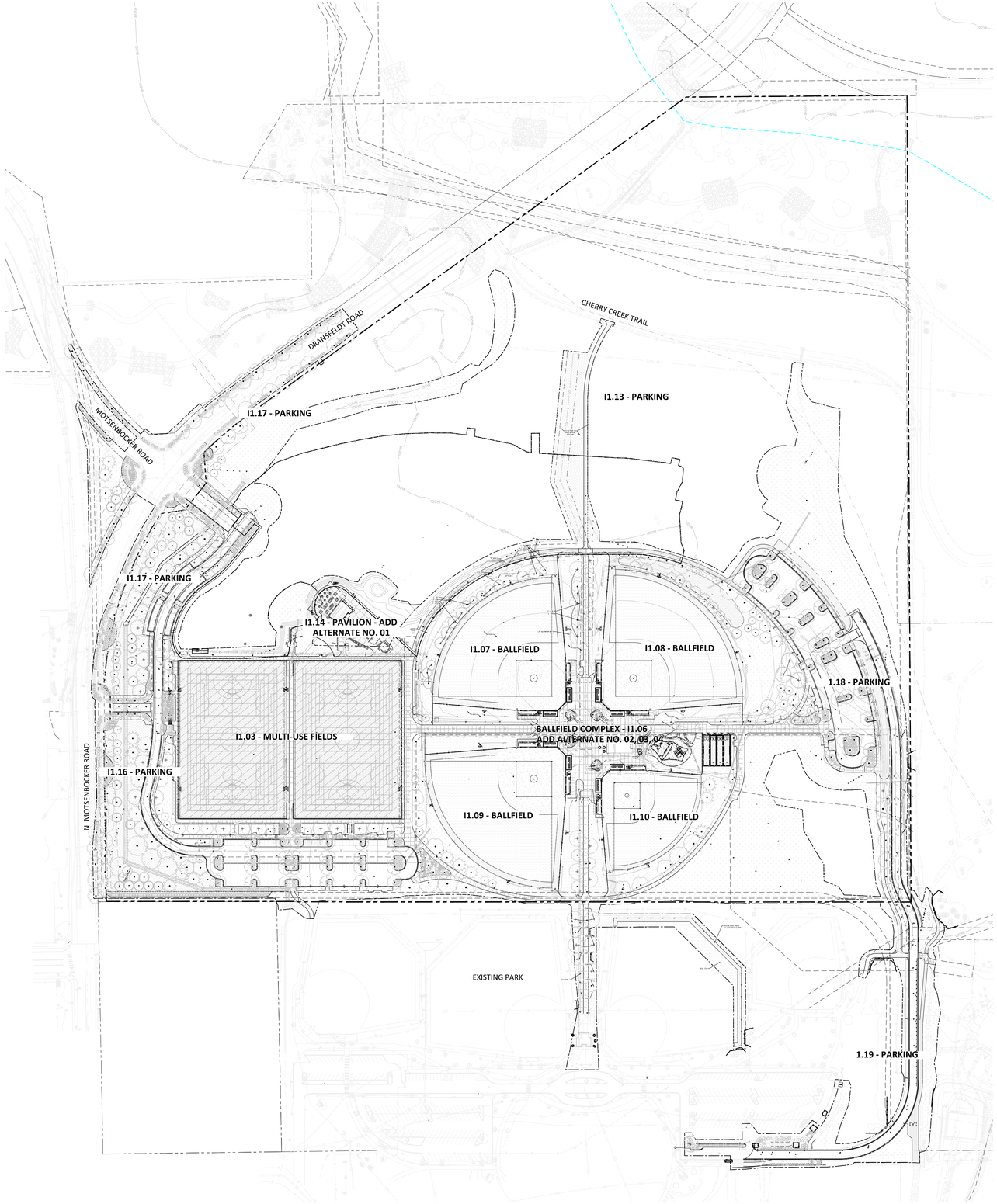
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A1 OVERALL IRRIGATION PLAN - ADD ALTERNATES

SCALE: 1" = 140'-0"

0' 70' 140' 280' 420'

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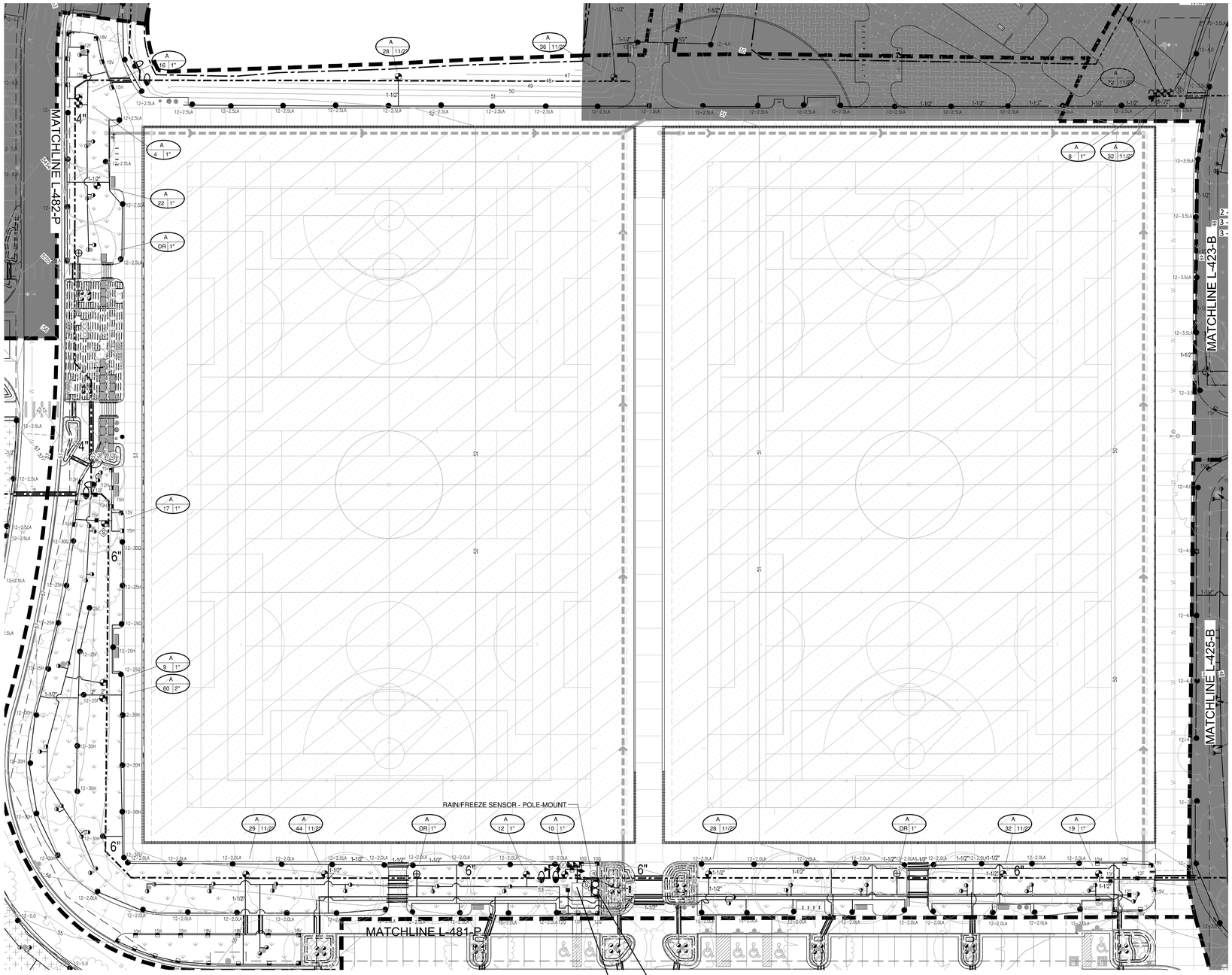
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OVERALL IRRIGATION PLAN- ALTERNATE

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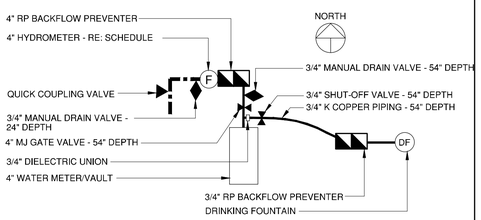


CONTROLLER LOCATION "A"

PEDESTAL MOUNT TWO WEATHERTRAK OPTI-FLOW SERIES 200 STATION TWO-WIRE CONTROLLER AT INDICATED LOCATION. 120 VOLT ELECTRICAL POWER IS AVAILABLE WITHIN 20 L.F. OF CONTROLLER LOCATION. ELECTRICAL POWER AND CONNECTION TO CONTROLLER IS BY CONTRACTOR WITH WORK CONFORMING TO LOCAL CODE. FEES AND PERMITS ASSOCIATED WITH WORK ARE TO BE OBTAINED AND PAID BY CONTRACTOR. FINAL LOCATION OF CONTROLLER SHALL BE REVIEWED AND APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.

POINT OF CONNECTION - 4"

TIE ONTO 4" IRRIGATION WATER METER AT 54" DEPTH AT INDICATED LOCATION. EXTEND 4" CLASS 51 DUCTILE IRON PIPING AT 54" DEPTH TO BACKFLOW PREVENTER LOCATION. INSTALL 4"x4"x1" SIDE-GATED TEE (DRINKING FTN. CONNECTION), ONE 4" MJ GATE VAVE, ONE 3/4" MANUAL DRAIN VALVE, ONE 4" REDUCED PRESSURE BACKFLOW PREVENTER, ENCLOSURE, 4" HYDROMETER, ONE 3/4" MANUAL DRAIN VALVE, ONE QUICK COUPLING VALVE AND EXTEND CLASS 200 PVC MAINLINE AS SHOWN. WORK SHALL CONFORM TO LOCAL CODE. FEES AND PERMITS ASSOCIATED WITH WORK ARE TO BE OBTAINED AND PAID BY CONTRACTOR. FINAL LOCATION OF BACKFLOW PREVENTER SHALL BE REVIEWED AND APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO START OF WORK.



REFER TO DETAIL, SHEET L-515, FOR DRINKING FOUNTAIN INSTALLATION

PT. OF CONNECTION ENLARGEMENT

NOT TO SCALE

A1 MULTI-USE FIELDS PLANTING ENLARGEMENT

1" = 30'-0"

SCALE: 1" = 30'-0"

0' 15' 30' 60' 90'

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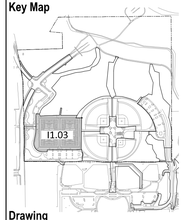
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MULTI-USE FIELDS IRRIGATION ENLARGEMENT

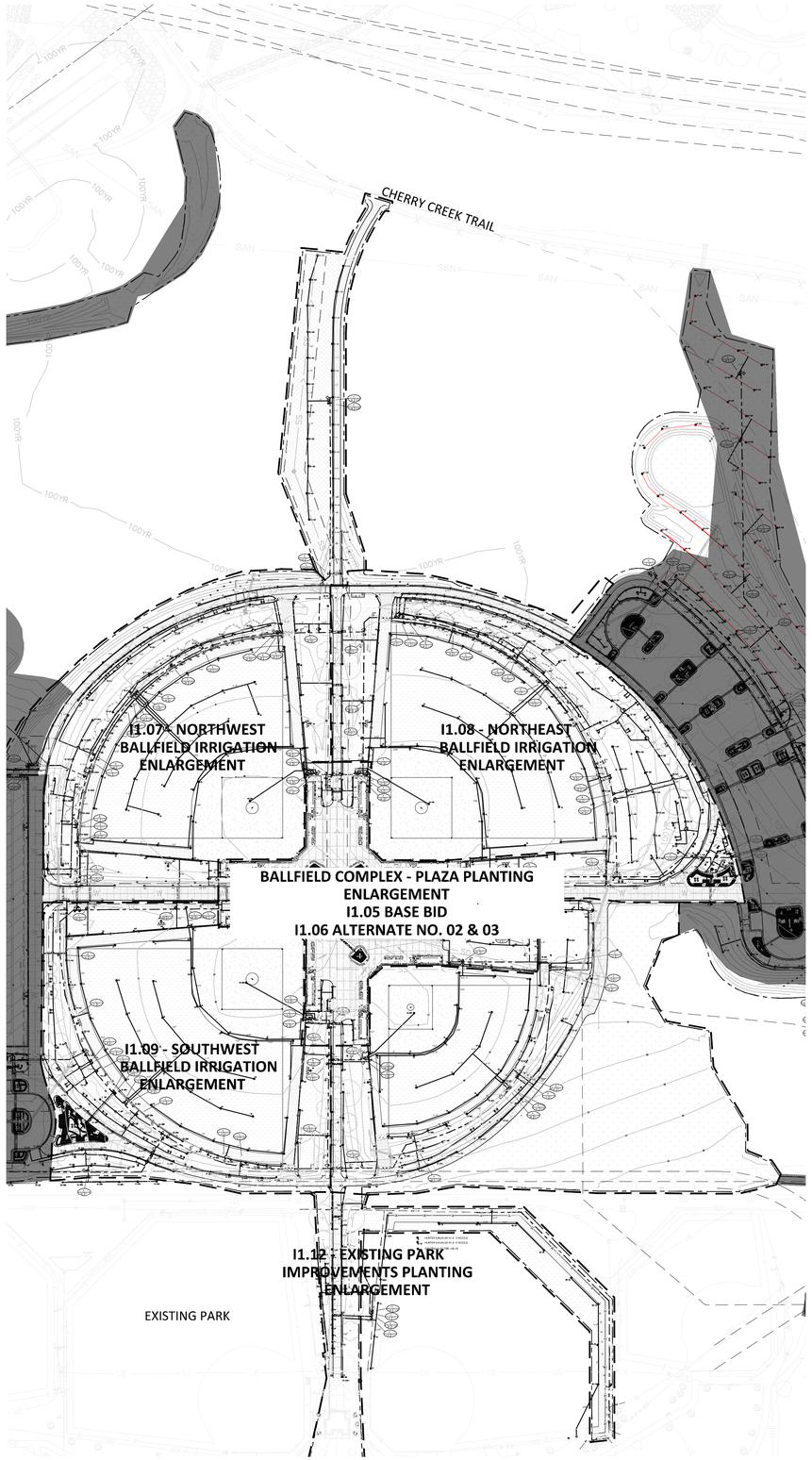
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A1 OVERALL BALLFIELD COMPLEX - IRRIGATION KEY PLAN

1"=100'-0"

SCALE: 1" = 100'-0"

0' 50' 100' 200' 300'

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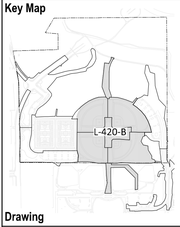
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Key Map



Drawing

OVERALL BALLFIELD COMPLEX - IRRIGATION KEY PLAN

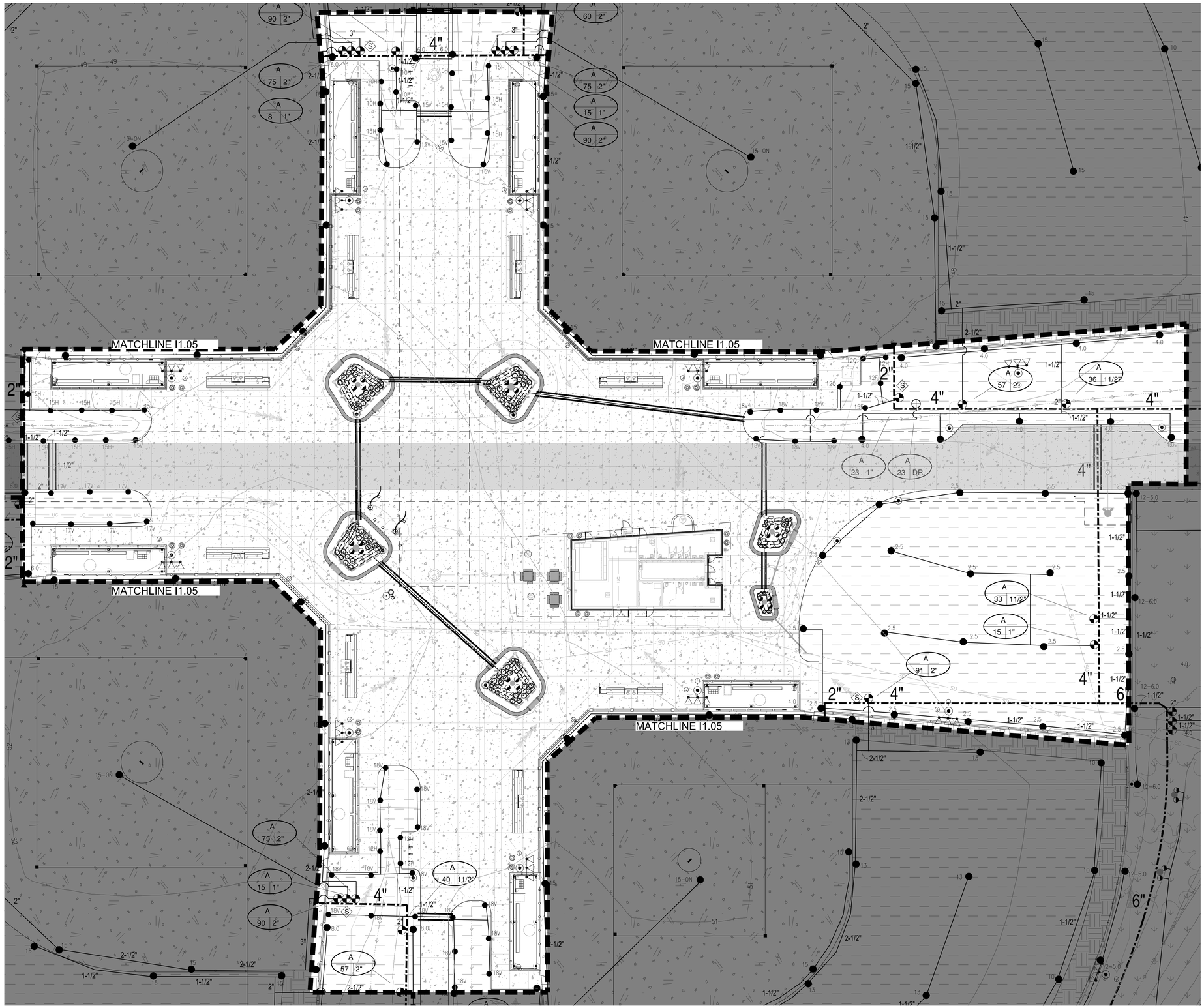
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A1 PLAZA IRRIGATION ENLARGEMENT - BASE BID

1" = 20'-0"

SCALE: 1" = 20'-0"

0' 10' 20' 40' 60'

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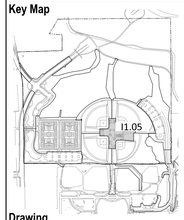
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PLANNING
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Key Map



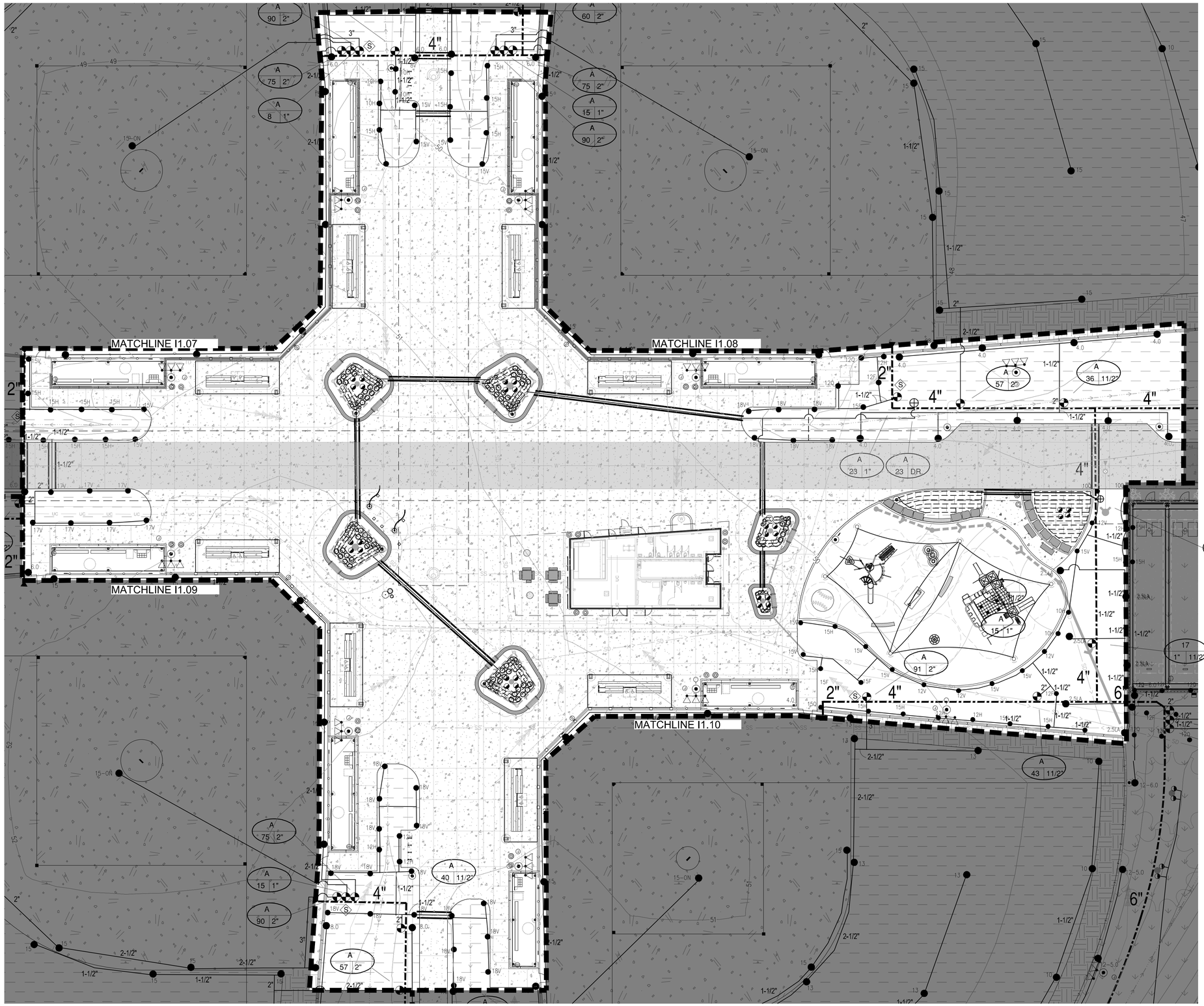
Drawing

PLAZA IRRIGATION ENLARGEMENT- BASE BID

I1.05

SITE PLAN SUBMITTAL
Page 219 of 311

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A1 **PLAZA IRRIGATION ENLARGEMENT - ADD ALTERNATES NO. 02 and 03**
1" = 20'-0"

SCALE: 1" = 20'-0"
0' 10' 20' 40' 60'

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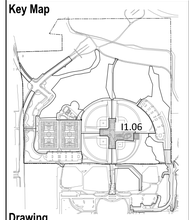
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Checked By:	DZ

Key Map



Drawing

PLAZA IRRIGATION ENLARGEMENT- ADD ALTERNATE NO. 02 & 03

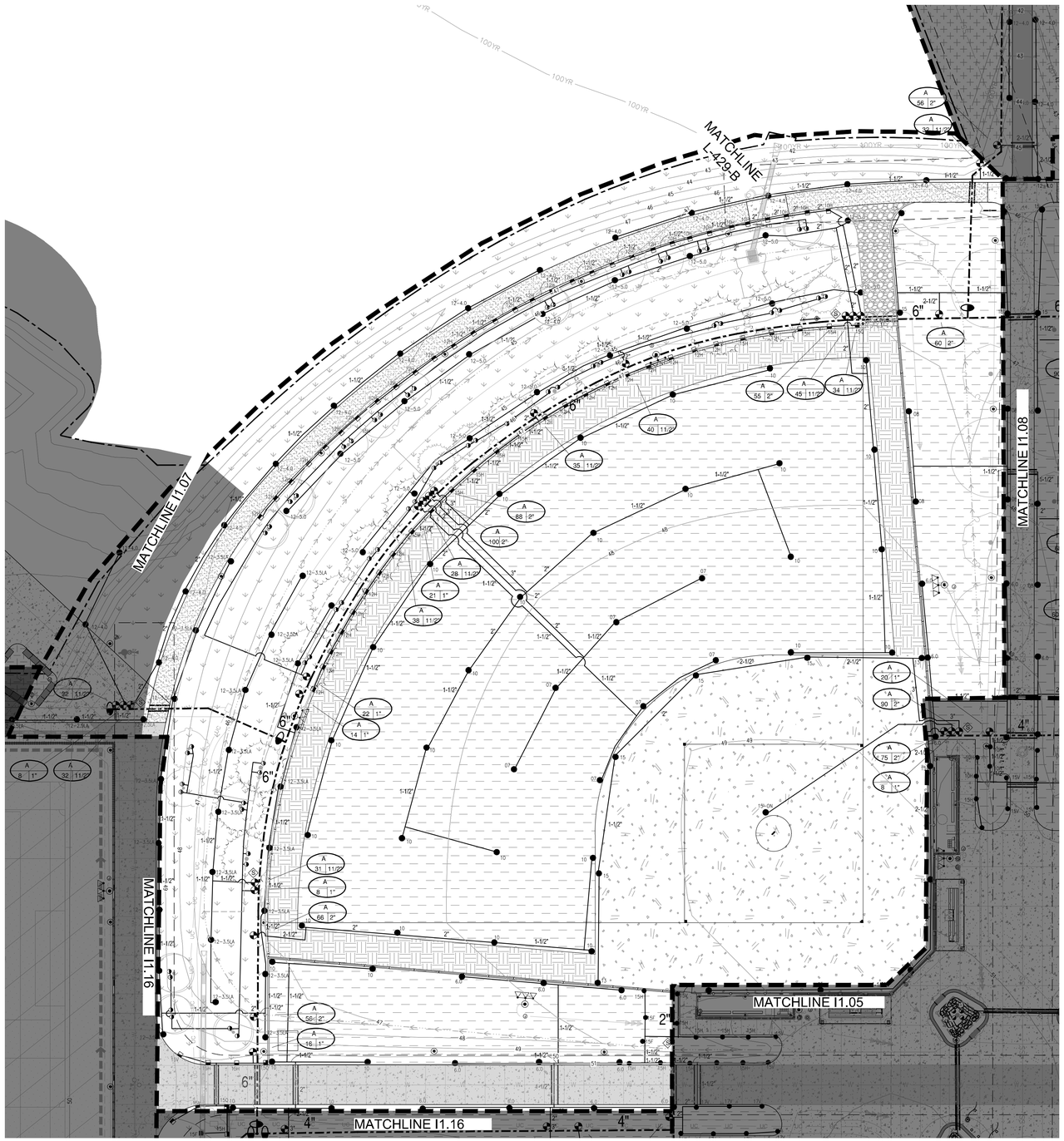
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A1 NORTHWEST BALLFIELD IRRIGATION ENLARGEMENT

1" = 30'-0"

SCALE: 1" = 30'-0"

0' 15' 30' 60' 90'

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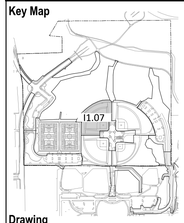
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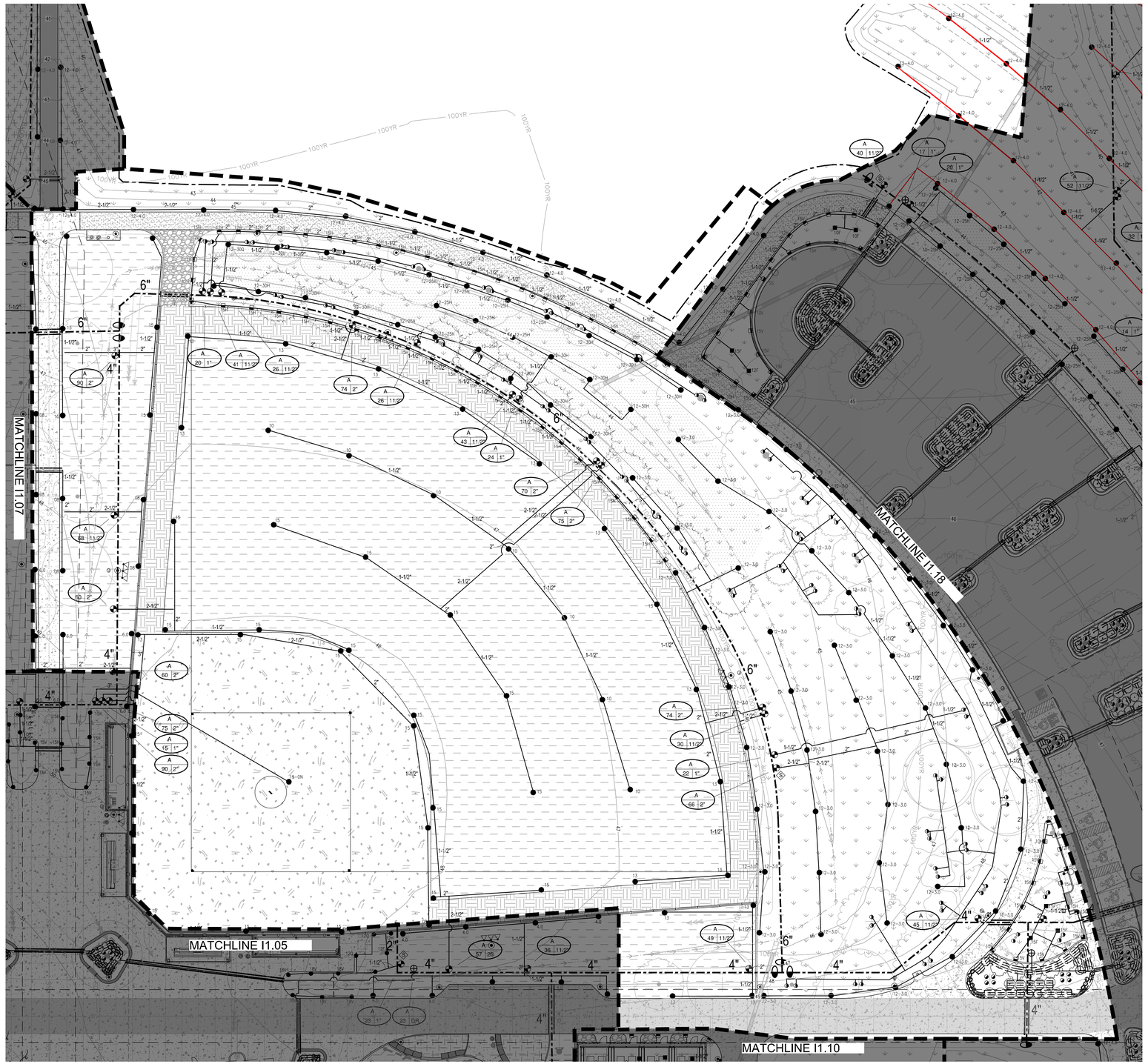
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NORTHWEST BALLFIELD IRRIGATION ENLARGEMENT

I1.07

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Page 221 of 311

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A1 NORTHEAST BALLFIELD IRRIGATION ENLARGEMENT

1" = 30'-0"

SCALE: 1" = 30'-0"

0' 15' 30' 60' 90'

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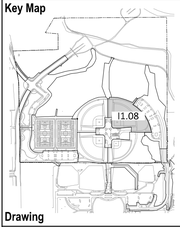
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NORTHEAST BALLFIELD IRRIGATION ENLARGEMENT

I1.08

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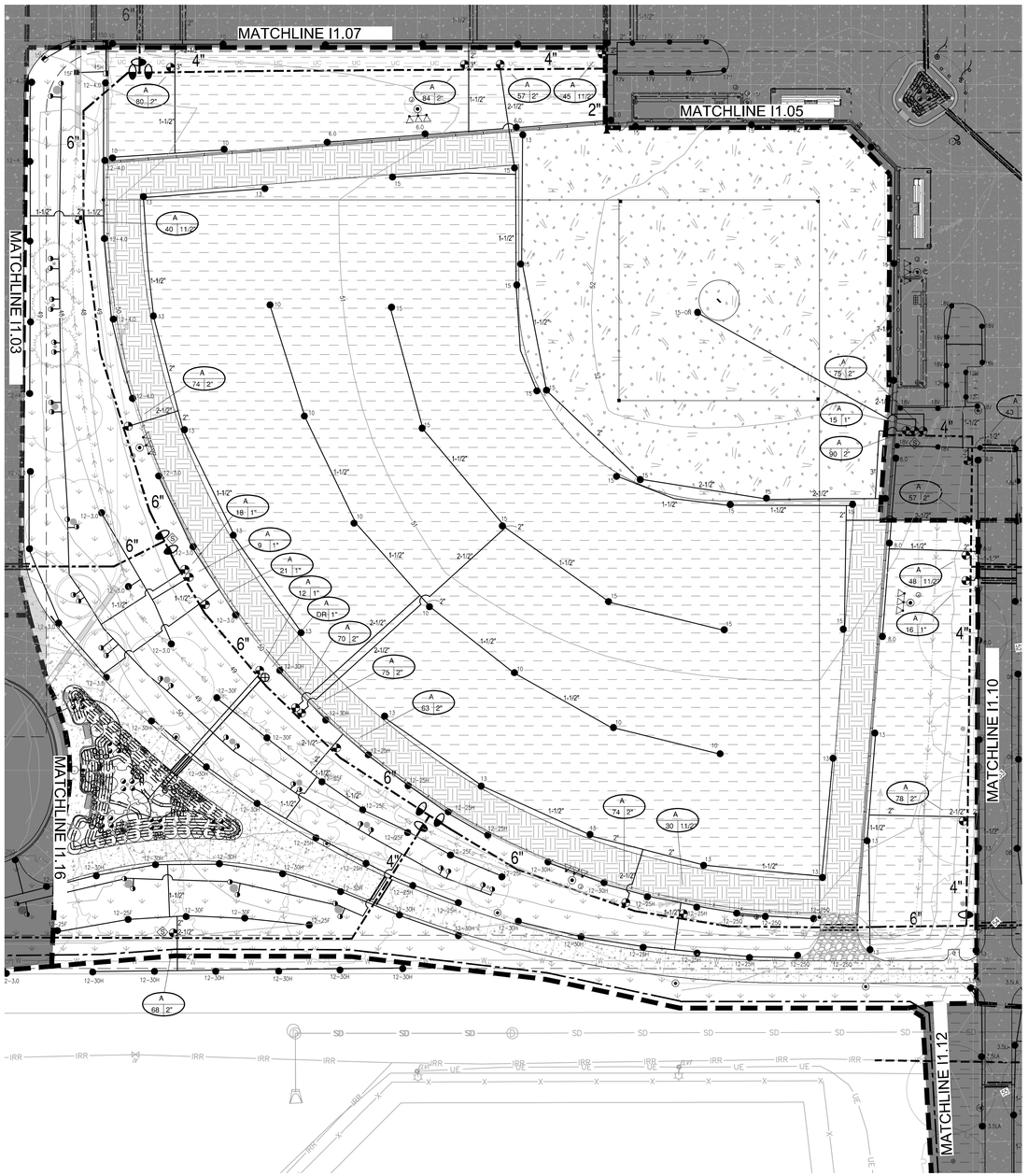
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A1 SOUTHWEST BALLFIELD IRRIGATION ENLARGEMENT

1" = 30'-0"

SCALE: 1" = 30'-0"

0' 15' 30' 60' 90'

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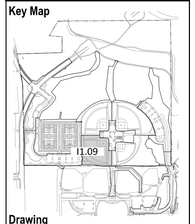
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SOUTHWEST BALLFIELD IRRIGATION ENLARGEMENT

I1.09

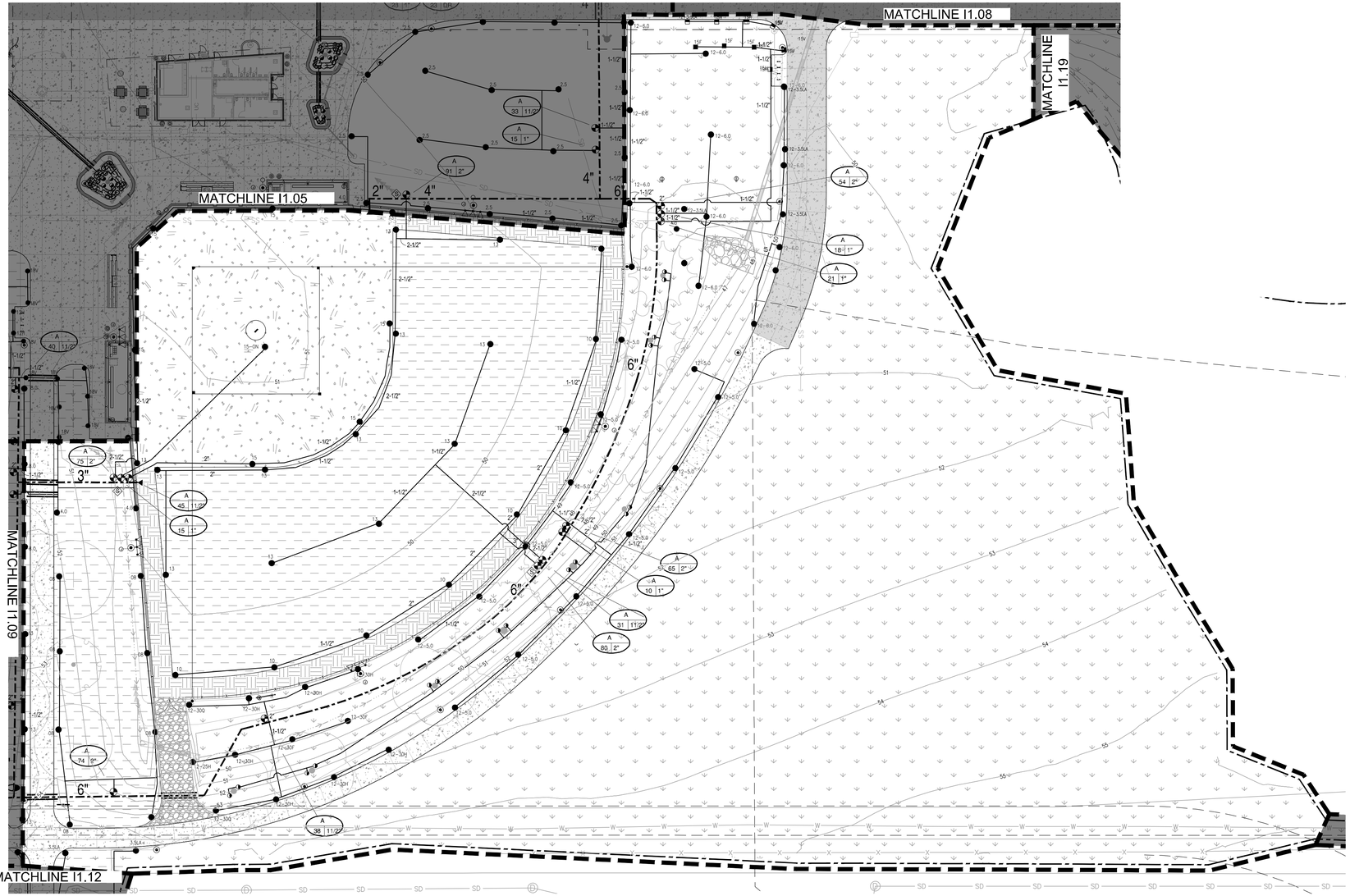
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A1 SOUTHEAST BALLFIELD IRRIGATION ENLARGEMENT - BASE BID

1" = 30'-0"

SCALE: 1" = 30'-0"

0' 15' 30' 60' 90'

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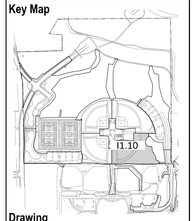
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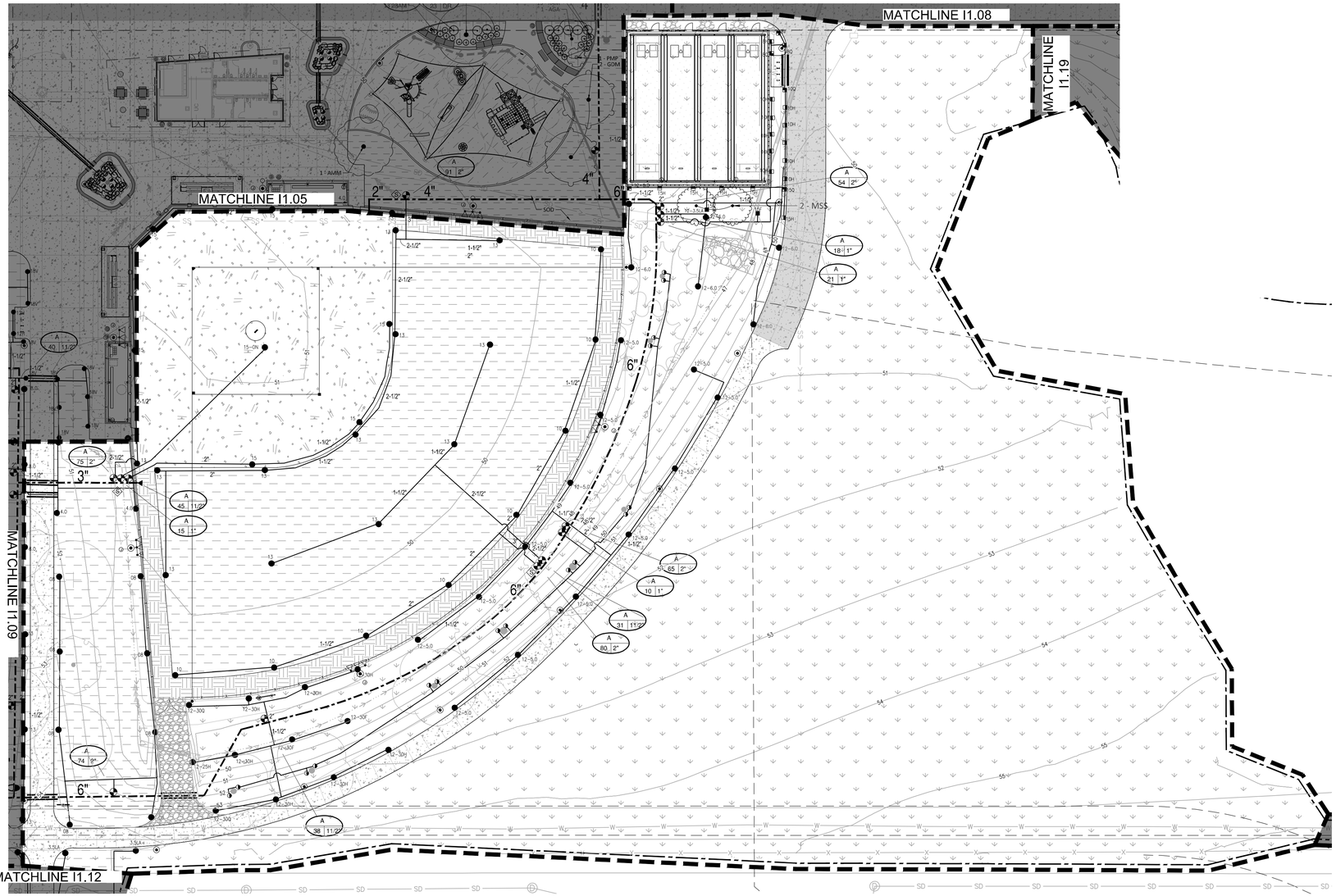
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SOUTHEAST BALLFIELD IRRIGATION ENLARGEMENT- BASE BID

I1.10

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A1 SOUTHEAST BALLFIELD IRRIGATION ENLARGEMENT - ADD ALTERNATE NO. 04

1" = 30'-0"

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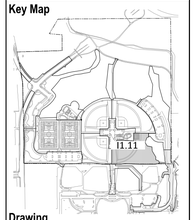
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Drawing

SOUTHEAST BALLFIELD IRRIGATION ENLARGEMENT- ADD ALTERNATE NO. 04

I1.11

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Page 225 of 311

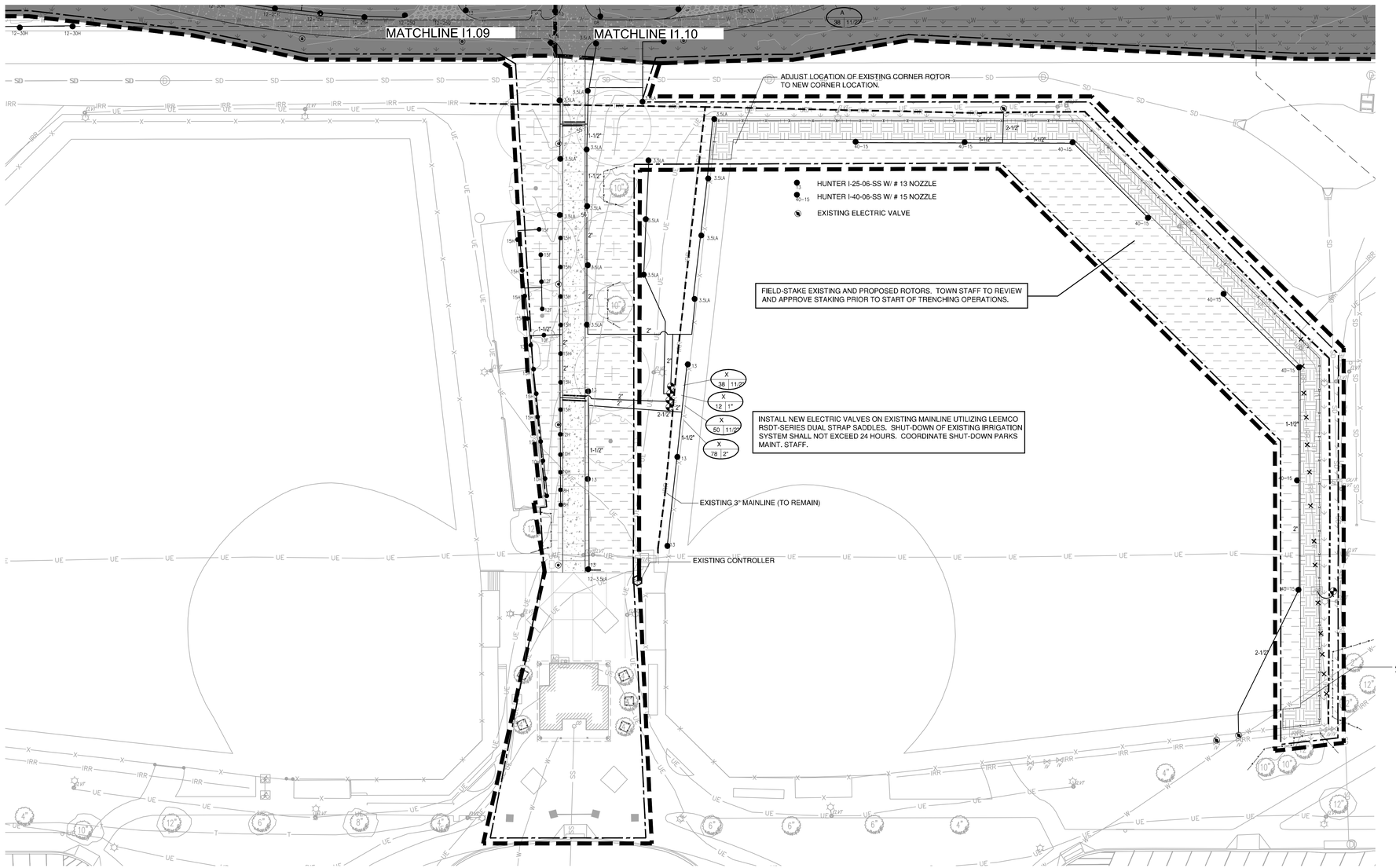
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A1 EXISTING PARK IMPROVEMENTS IRRIGATION ENLARGEMENT

1" = 30'-0"

SCALE: 1" = 30'-0"

0' 15' 30' 60' 90'

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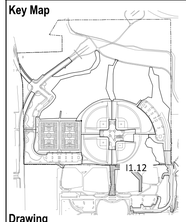
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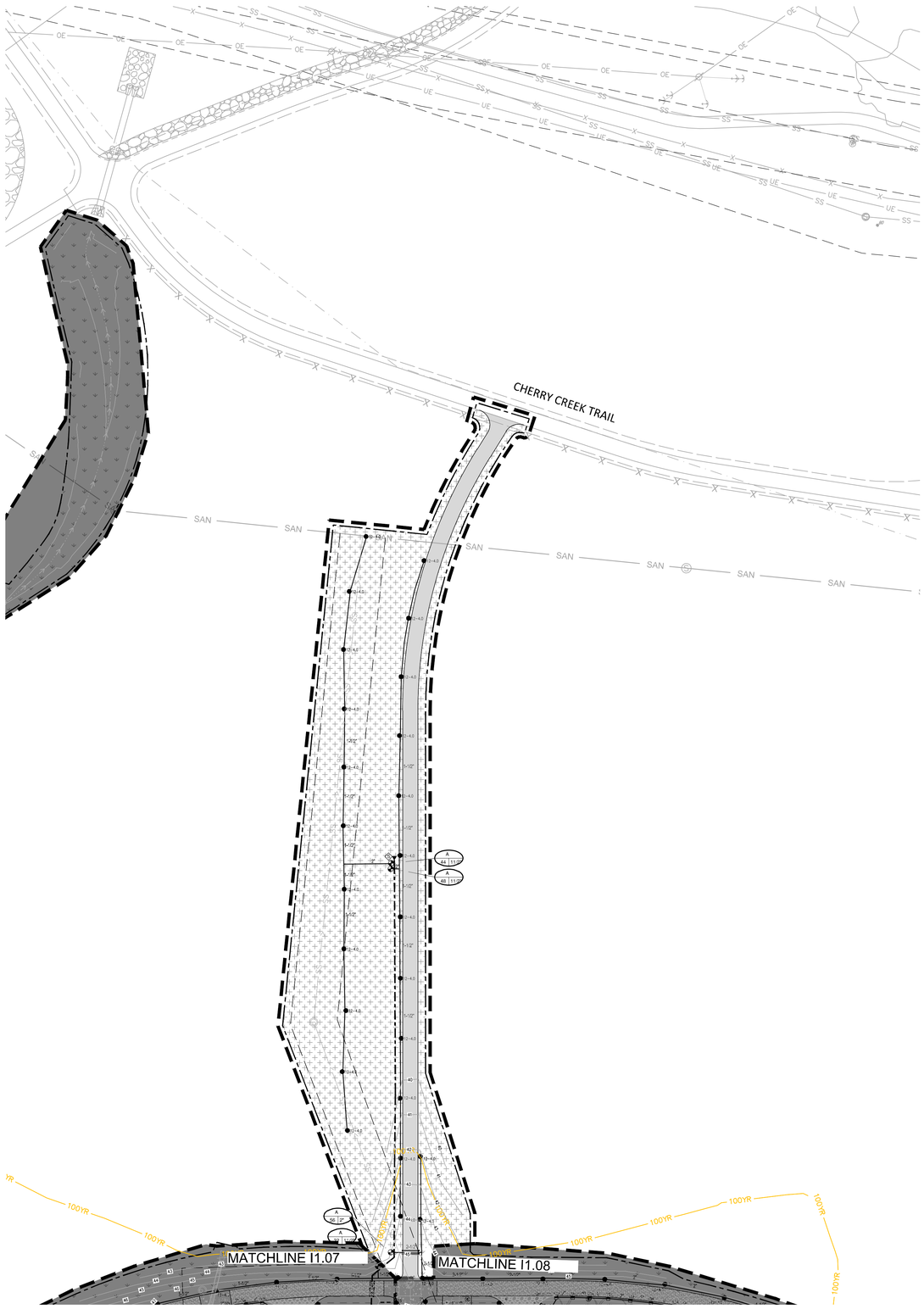
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EXISTING PARK IMPROVEMENTS IRRIGATION ENLARGEMENT

I1.12

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A1 CHERRY CREEK CONNECTION IRRIGATION ENLARGEMENT

1" = 40'-0"

SCALE: 1" = 40'-0"

0' 20' 40' 80' 120'

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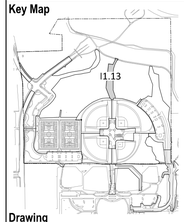
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Key Map



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CHERRY CREEK CONNECTION IRRIGATION ENLARGEMENT

I1.13

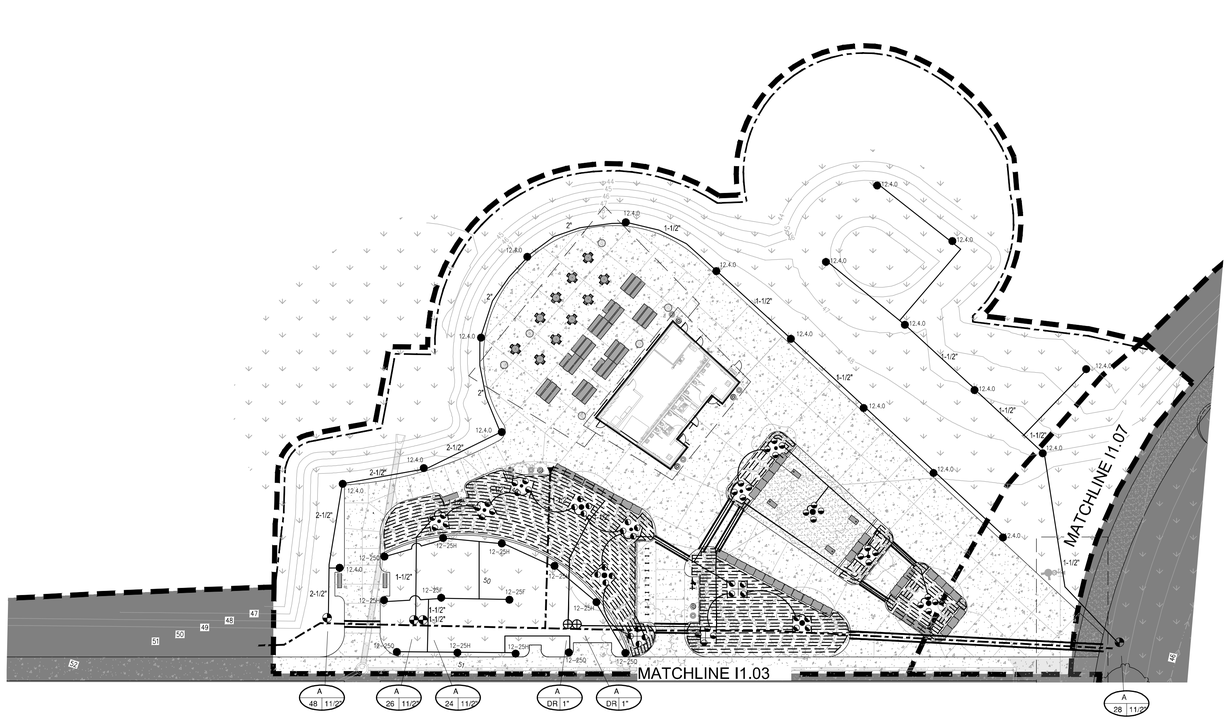
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A1 COMMUNITY HUB IRRIGATION ENLARGEMENT - ADD ALTERNATE NO. 01

1" = 30-0"

SCALE: 1" = 30'-0"

0' 15' 30' 60' 90'

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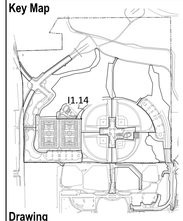
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COMMUNITY HUB IRRIGATION ENLARGEMENT- ADD ALTERNATE NO. 01

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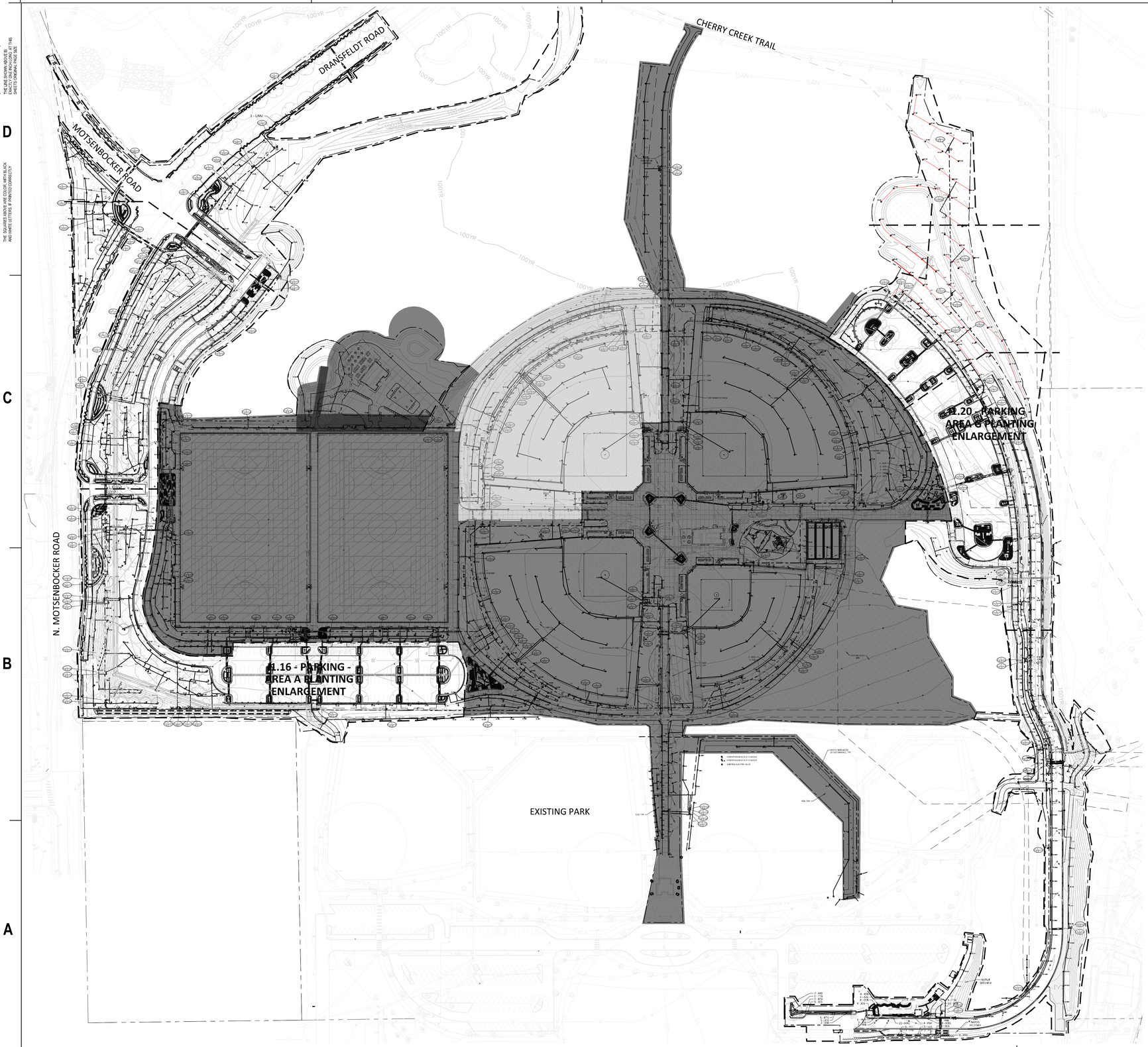
D

C

B

A

1 2 3 4 5



A1 OVERALL PARKING - IRRIGATION KEY PLAN

1" = 100'-0"

SCALE: 1" = 100'-0"

0' 60' 120' 240' 480'

COLORADO 811 — CALL 811 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR MARKING OF UNDERGROUND MEMBER UTILITIES

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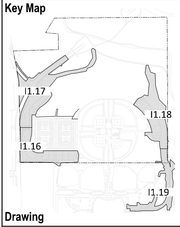
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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

	DATE	DESCRIPTION

Project Number:	223072.00
Sheet Issue Date:	2024-11-22
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Checked By:	DZ

Key Map



Drawing

OVERALL PARKING - IRRIGATION KEY PLAN

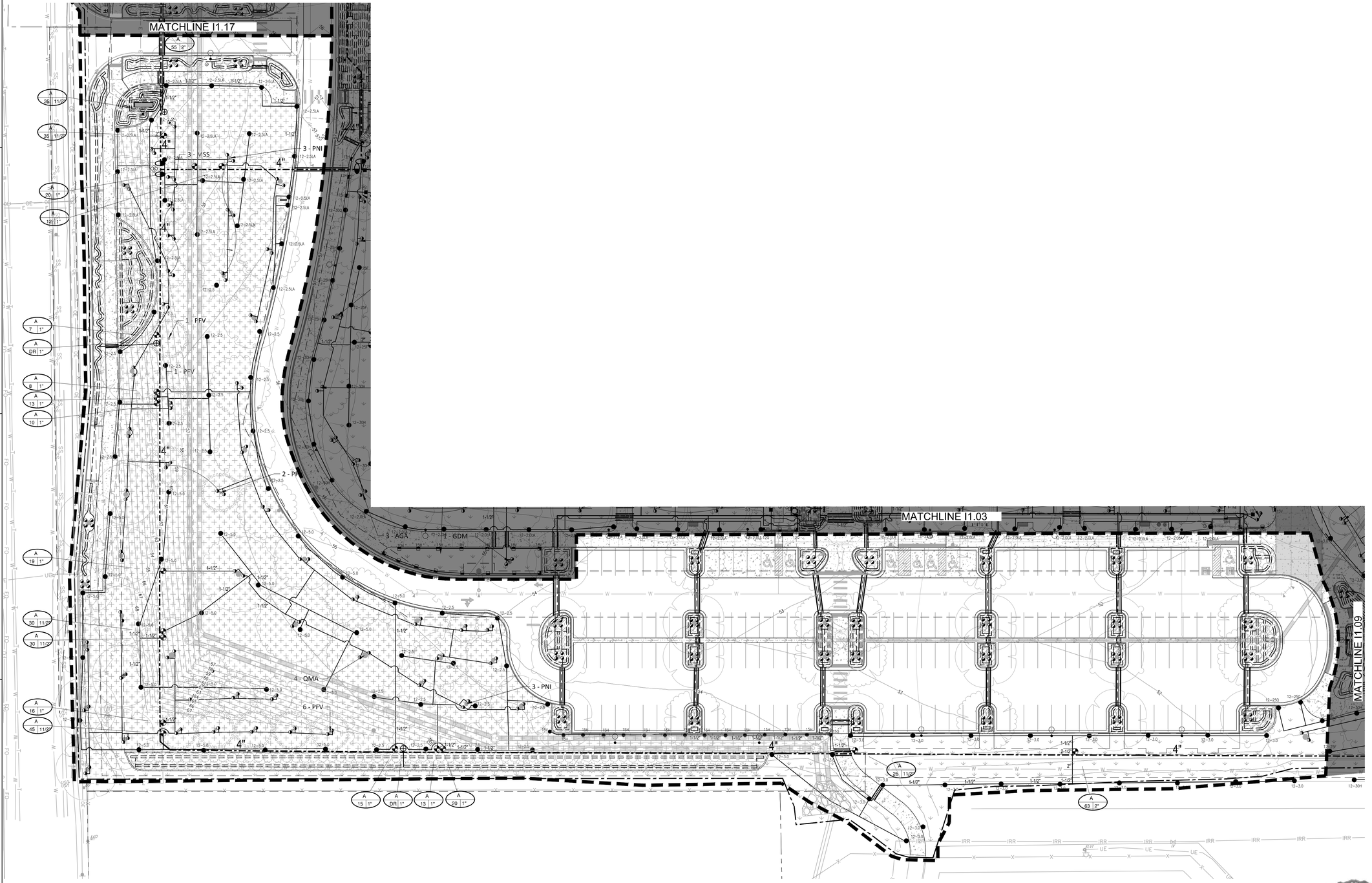
I1.15

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A1 PARKING - AREA A IRRIGATION ENLARGEMENT

1" = 30'-0"

SCALE: 1" = 30'-0"

0' 15' 30' 60' 90'

COLORADO 811

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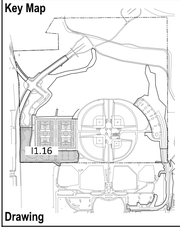
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Key Map



Drawing

PARKING - AREA A IRRIGATION ENLARGEMENT

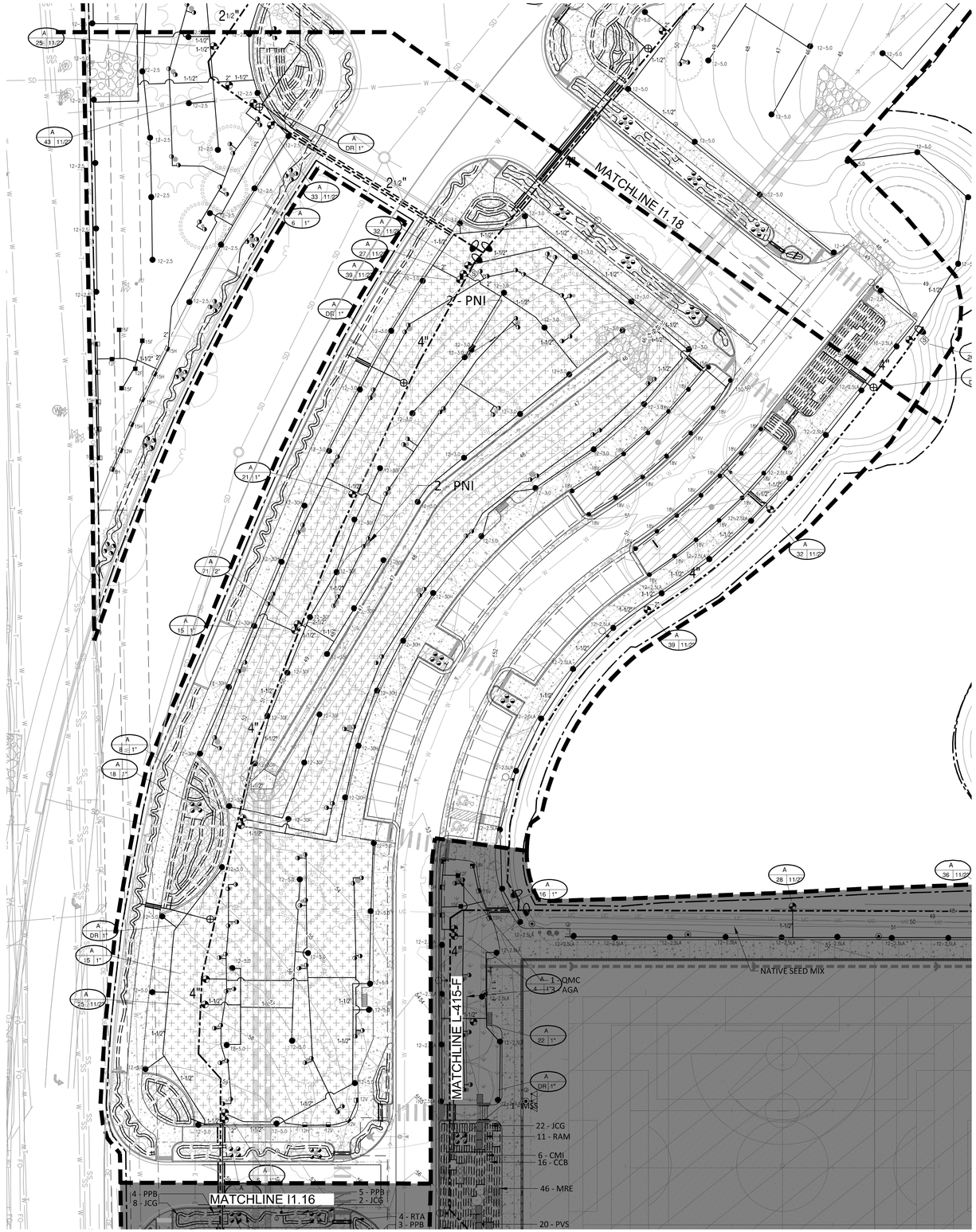
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A1 PARKING - AREA B IRRIGATION ENLARGEMENT

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SCALE: 1" = 30'-0"

0' 15' 30' 60' 90'

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ARCHITECTURE

LANDSCAPE ARCHITECTURE

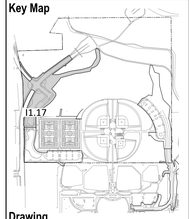
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INTERIOR DESIGN

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Key Map



Drawing

PARKING - AREA B IRRIGATION ENLARGEMENT

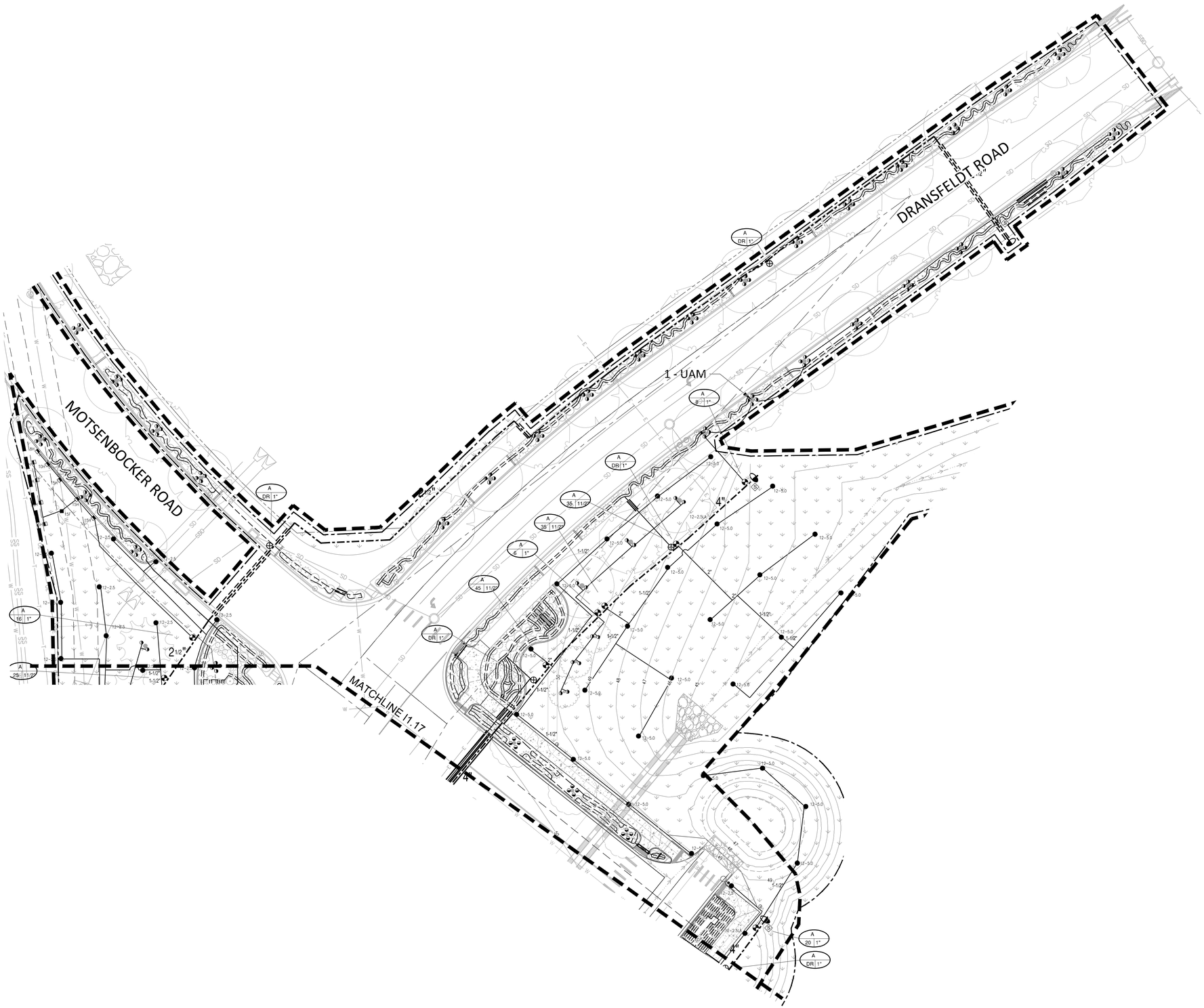
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A1 PARKING - AREA B IRRIGATION ENLARGEMENT

1" = 30'-0"

SCALE: 1" = 30'-0"

0' 15' 30' 60' 90'

COLORADO 811 — CALL 811 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR MARKING OF UNDERGROUND MEMBER UTILITIES

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ARCHITECTURE

LANDSCAPE ARCHITECTURE

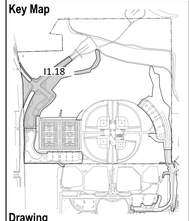
PLANNING

INTERIOR DESIGN

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Key Map



Drawing

PARKING - AREA B IRRIGATION ENLARGEMENT

I1.18

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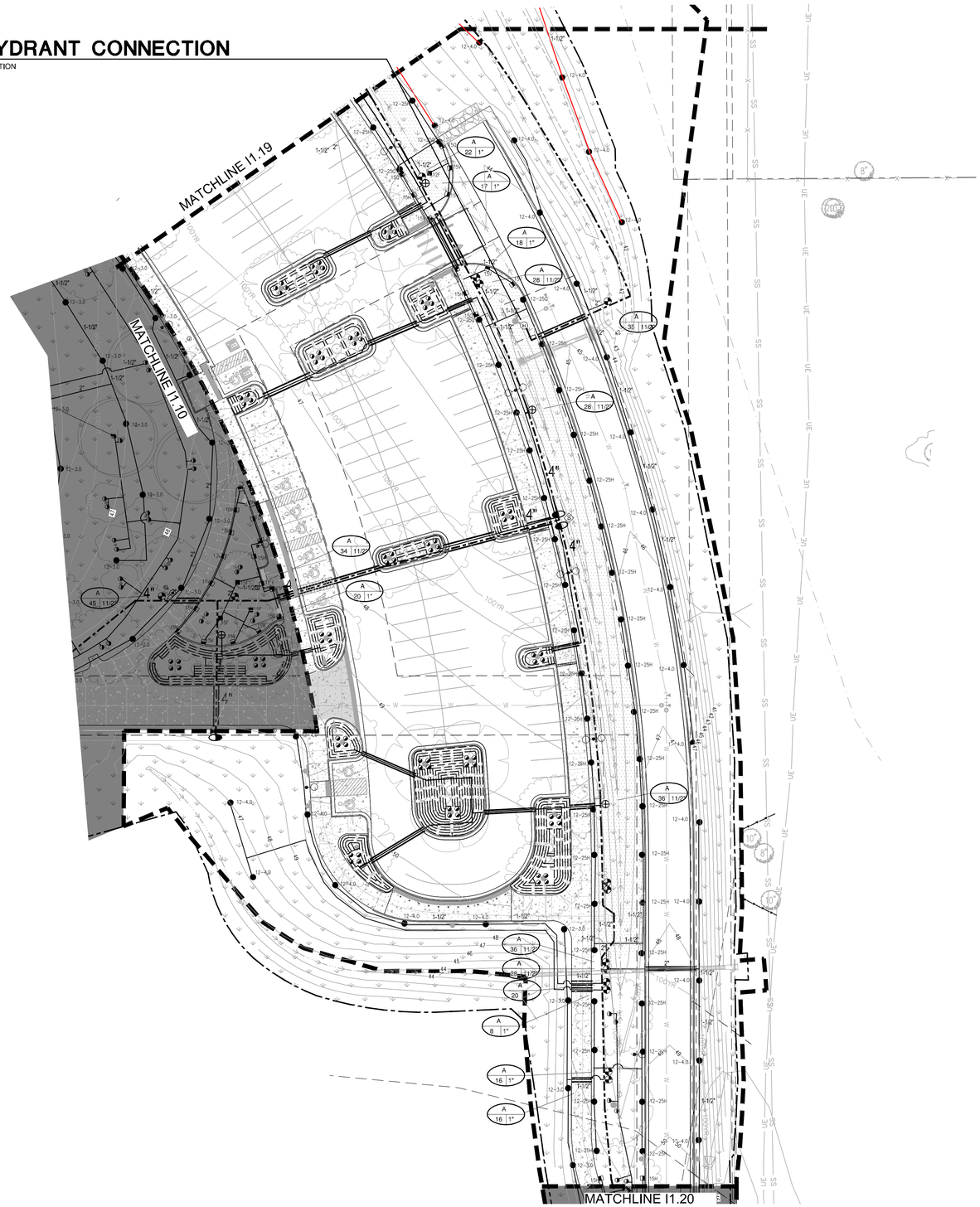
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C M Y K

FIRE HYDRANT CONNECTION

TEMPORARY IRRIGATION



A1 PARKING - AREA C IRRIGATION ENLARGEMENT

1" = 30'-0"

SCALE: 1" = 30'-0"

0' 15' 30' 60' 90'

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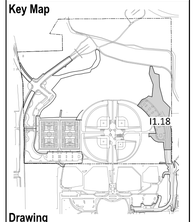
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		SCALE: 1" = 30'-0"

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PARKING - AREA C IRRIGATION ENLARGEMENT

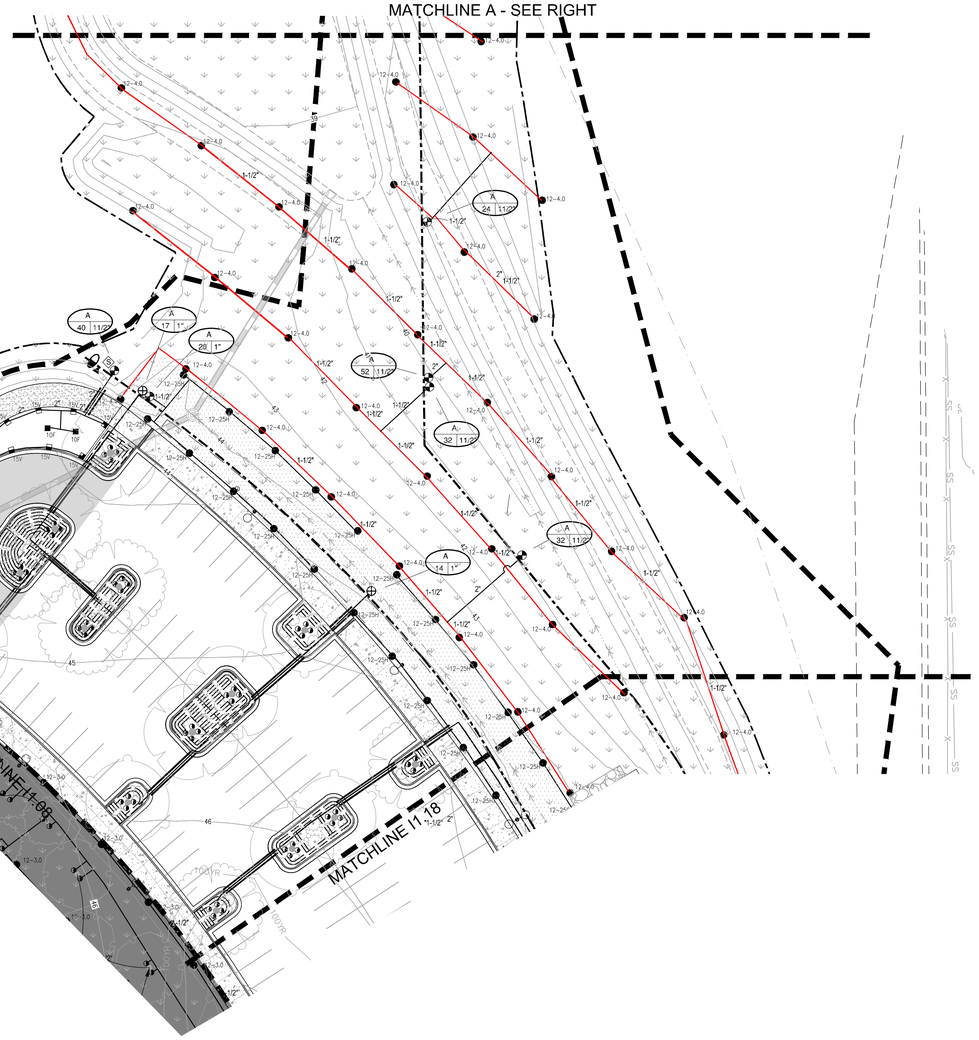
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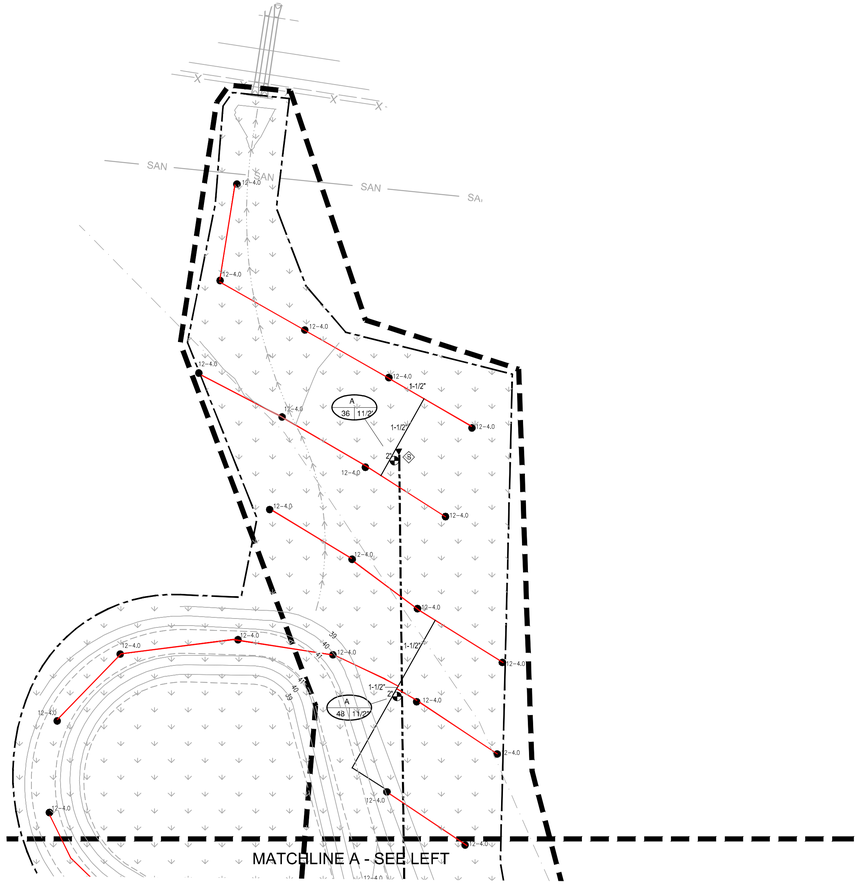


A1 PARKING - AREA C IRRIGATION ENLARGEMENT

1" = 30'-0"

SCALE: 1" = 30'-0"

0' 15' 30' 60' 90'



A2 PARKING - AREA C IRRIGATION ENLARGEMENT

1" = 30'-0"

0' 15' 30' 60' 90'

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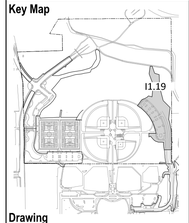
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Key Map



Drawing

PARKING - AREA C IRRIGATION ENLARGEMENT

I1.20

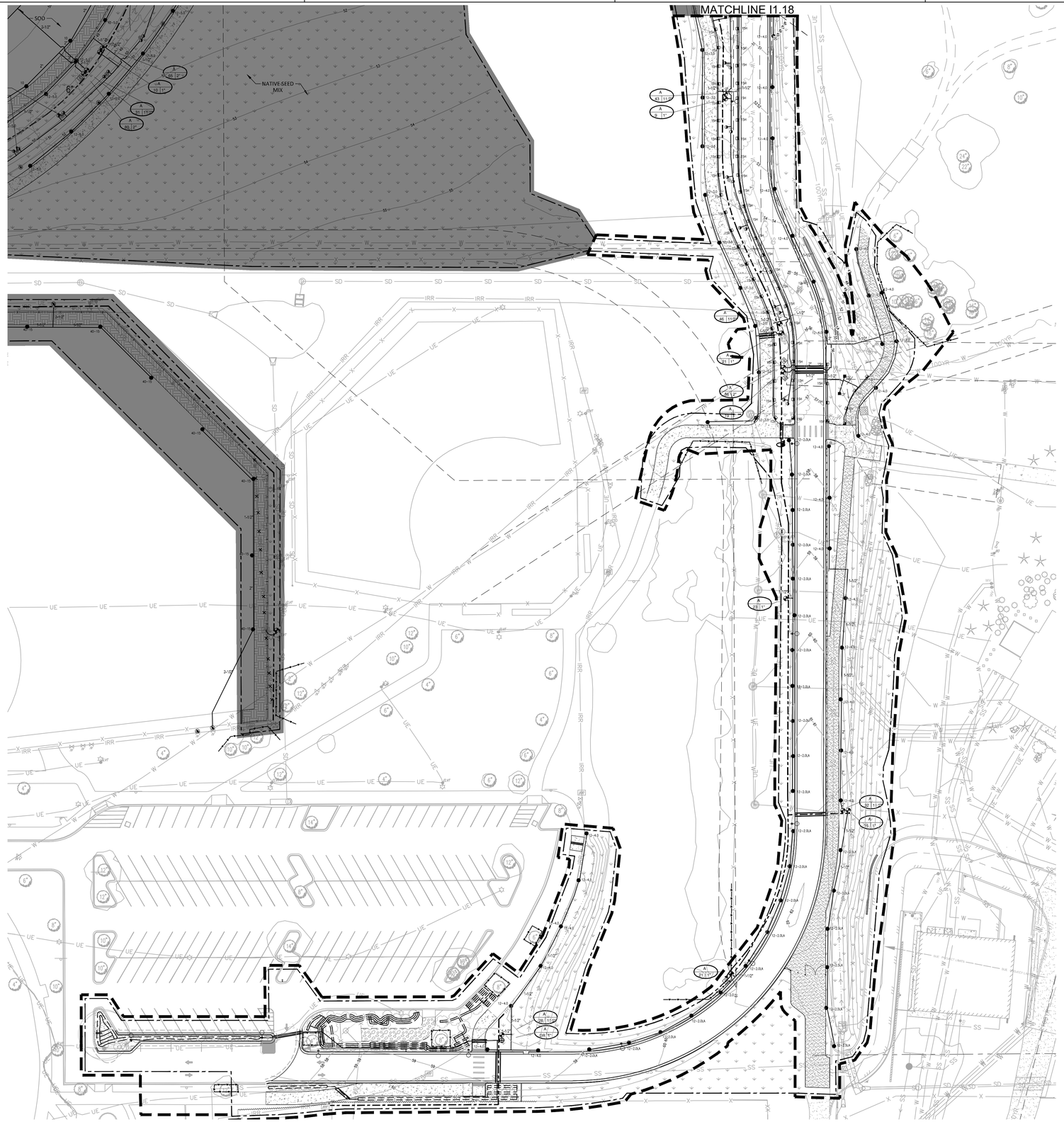
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MATCHLINE I1.18



A1 PARKING - AREA G IRRIGATION ENLARGEMENT

1" = 40'-0"

SCALE: 1" = 40'-0"

0' 20' 40' 80' 120'

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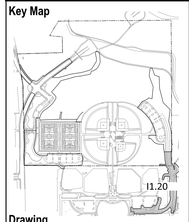
PLANNING

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Key Map



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PARKING - AREA G IRRIGATION ENLARGEMENT

I1.21

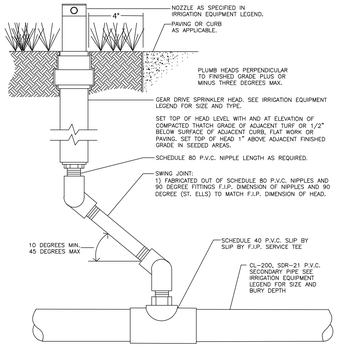
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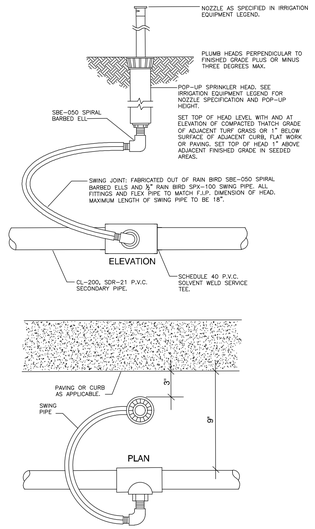
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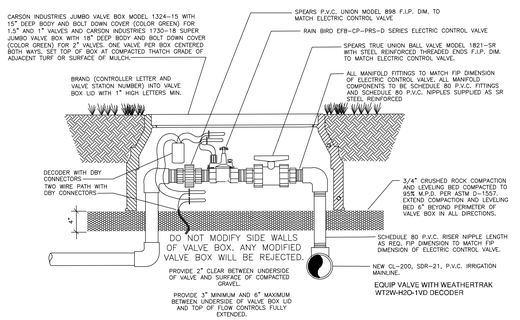
GEAR DRIVEN ROTOR

1



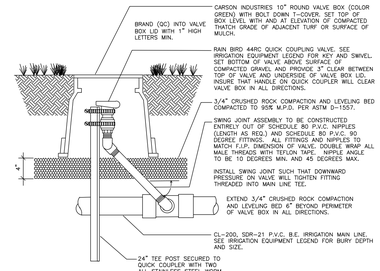
POP-UP SPRAY HEAD

2



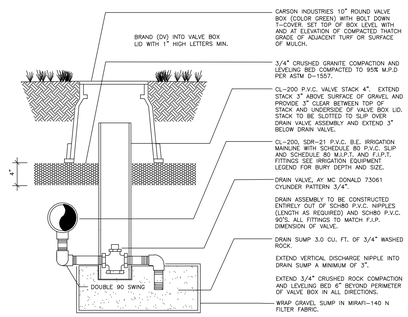
ELECTRIC CONTROL VALVE

3



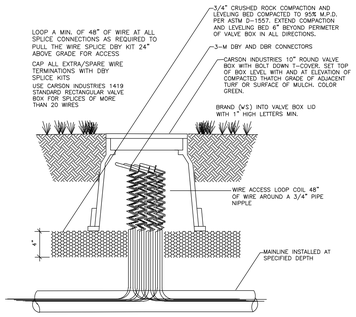
QUICK COUPLING VALVE

4



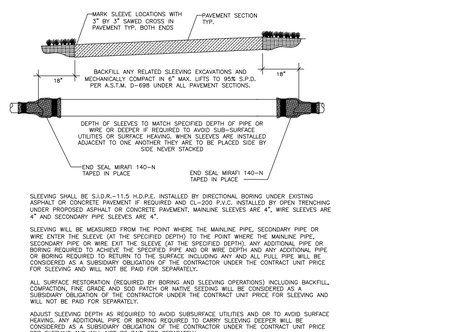
MANUAL DRAIN VALVE

5



RAIN/FREEZE SENSOR

6



SLEEVING SHALL BE S.I.D.R.-11.5 H.D.P.E. INSTALLED BY DIRECTIONAL BORING UNDER EXISTING ASPHALT OR CONCRETE PAVEMENT. IF REQUIRED AND CL-200 P.V.C. INSTALLED BY OPEN TRENCHING UNDER PROPOSED ASPHALT OR CONCRETE PAVEMENT. MAINLINE SLEEVES ARE 4", WIRE SLEEVES ARE 4" AND SECONDARY PIPE SLEEVES ARE 4".

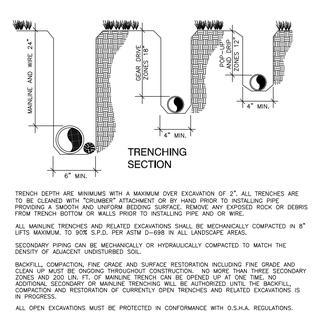
SLEEVING WILL BE MEASURED FROM THE POINT WHERE THE MAINLINE PIPE, SECONDARY PIPE OR WIRE ENTER THE SLEEVE (AT THE SPECIFIED DEPTH) TO THE POINT WHERE THE MAINLINE PIPE, SECONDARY PIPE OR WIRE EXIT THE SLEEVE (AT THE SPECIFIED DEPTH). ANY ADDITIONAL PIPE OR BORING REQUIRED TO ACHIEVE THE SPECIFIED PIPE AND OR WIRE DEPTH AND ANY ADDITIONAL PIPE OR BORING REQUIRED TO RETURN TO THE SURFACE INCLUDING ANY AND ALL PULL PIPE WILL BE CONSIDERED AS A SUBSIDIARY OBLIGATION OF THE CONTRACTOR UNDER THE CONTRACT UNIT PRICE FOR SLEEVING AND WILL NOT BE PAID FOR SEPARATELY.

ALL SURFACE RESTORATION (REQUIRED BY BORING AND SLEEVING OPERATIONS) INCLUDING BACKFILL, COMPACTION, FINE GRADE AND SOD PATCH OR NATIVE SEEDING WILL BE CONSIDERED AS A SUBSIDIARY OBLIGATION OF THE CONTRACTOR UNDER THE CONTRACT UNIT PRICE FOR SLEEVING AND WILL NOT BE PAID FOR SEPARATELY.

ADJUST SLEEVING DEPTH AS REQUIRED TO AVOID SUBSURFACE UTILITIES AND OR TO AVOID SURFACE HEAVING. ANY ADDITIONAL PIPE OR BORING REQUIRED TO CARRY SLEEVING DEEPER WILL BE CONSIDERED AS A SUBSIDIARY OBLIGATION OF THE CONTRACTOR UNDER THE CONTRACT UNIT PRICE FOR SLEEVING AND WILL NOT BE PAID FOR SEPARATELY.

IRRIGATION SLEEVING

7



TRENCHING SECTION

TRENCH DEPTH ARE MINIMUMS WITH A MAXIMUM OVER EXCAVATION OF 2". ALL TRENCHES ARE TO BE CLEANED WITH "CRUMBER" ATTACHMENT OR BY HAND PRIOR TO INSTALLING PIPE PROVIDING A SMOOTH AND UNIFORM BEDDING SURFACE. REMOVE ANY EXPOSED ROCK OR DEBRIS FROM TRENCH BOTTOM OR WALLS PRIOR TO INSTALLING PIPE AND OR WIRE.

ALL MAINLINE TRENCHES AND RELATED EXCAVATIONS SHALL BE MECHANICALLY COMPACTED IN 8" LIFTS MAXIMUM. TO 90% S.P.D. PER ASTM D-698 IN ALL LANDSCAPE AREAS.

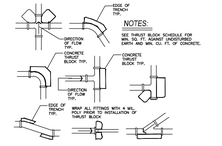
SECONDARY PIPING CAN BE MECHANICALLY OR HYDRAULICALLY COMPACTED TO MATCH THE DENSITY OF ADJACENT UNDISTURBED SOIL.

BACKFILL, COMPACTION, FINE GRADE AND SURFACE RESTORATION INCLUDING FINE GRADE AND CLEAN UP MUST BE ONGOING THROUGHOUT CONSTRUCTION. NO MORE THAN THREE SECONDARY ZONES AND 200 LIN. FT. OF MAINLINE TRENCH CAN BE OPENED UP AT ONE TIME. NO ADDITIONAL SECONDARY OR MAINLINE TRENCHING WILL BE AUTHORIZED UNTIL THE BACKFILL, COMPACTION, AND RESTORATION OF CURRENTLY OPEN TRENCHES AND RELATED EXCAVATIONS IS IN PROGRESS.

ALL OPEN EXCAVATIONS MUST BE PROTECTED IN CONFORMANCE WITH O.S.H.A. REGULATIONS.

TRENCHES

8



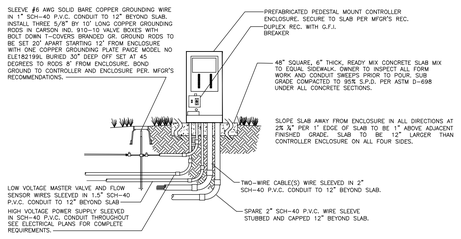
THRUST BLOCK CONFIGURATION DETAIL

MAIN LINE THRUST BLOCK SURFACE AREA AGAINST UNDISTURBED EARTH IN SQ. FT., AND TOTAL CONCRETE VOLUME IN CU. FT. Assumes an estimated soil bearing strength of 1,000 lbs/sq. ft.					
FITTING SIZE	90 DEGREE	45 DEGREE	22.5 DEGREE	11.25 DEGREE	TEE OR CAP
2.5" & SMALLER	2 SQ. FT. 4 CU. FT.	1 SQ. FT. 2 CU. FT.	1 SQ. FT. 2 CU. FT.	1 SQ. FT. 2 CU. FT.	2 SQ. FT. 4 CU. FT.
3" & LARGER	4 SQ. FT. 8 CU. FT.	2 SQ. FT. 4 CU. FT.	2 SQ. FT. 4 CU. FT.	2 SQ. FT. 4 CU. FT.	4 SQ. FT. 8 CU. FT.
INSTALLATION NOTES: CONCRETE TO BE 3,500 P.S.I. MIN. INSTALL BOND BREAKER AROUND PIPE AND FITTING PRIOR TO POUR, DO NOT POUR CONCRETE ON TOP OF PIPE.					

THRUST BLOCKING

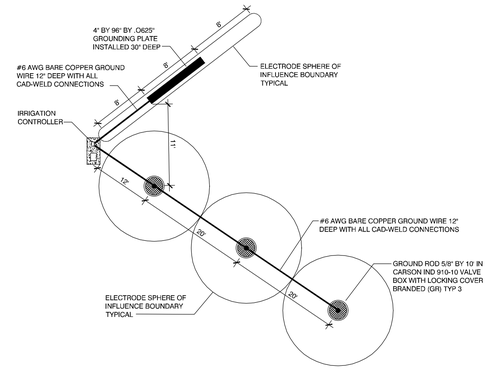
9

SEE ELECTRICAL ENGINEERING DRAWINGS FOR NEW CONTROLLER ELECTRICAL SERVICE.



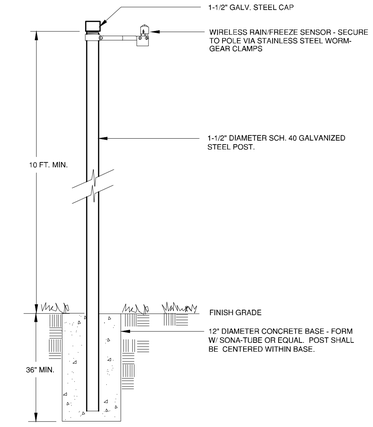
ELECTRIC CONTROLLER

10



RAIN/FREEZE SENSOR

11



RAIN/FREEZE SENSOR

12

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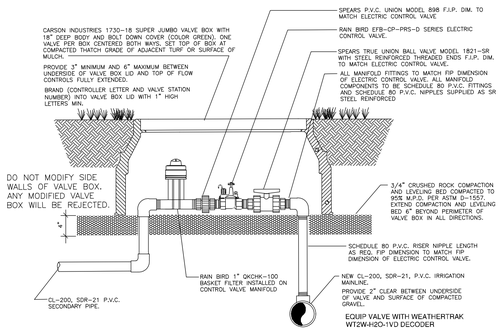
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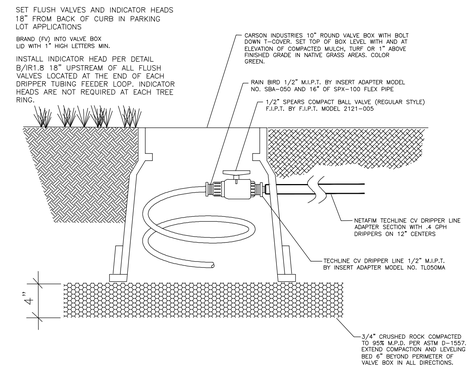
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THE LINE SHOWN ABOVE IS 1" WHEN PRINTED AT THIS SHEETS ORIGINAL PAGE SIZE

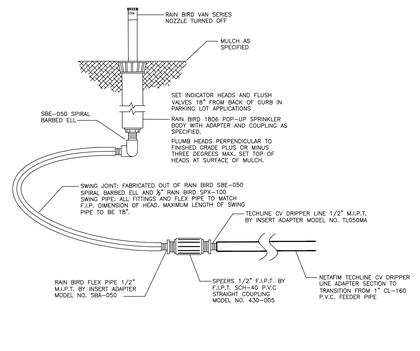
THE SQUARES ABOVE ARE COLOR WITH CYAN, MAGENTA, YELLOW & BLACK. IF PRINTER IS SETUP CORRECTLY



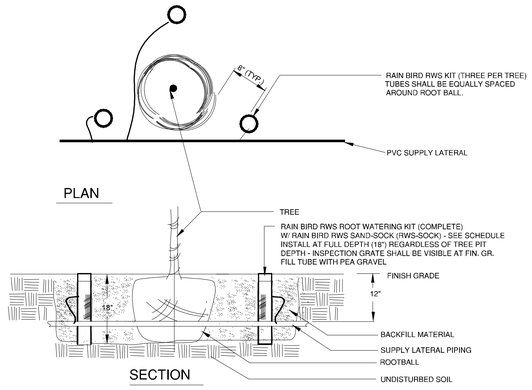
DRIP VALVE ASSEMBLY — 13



IN-LINE DRIP FLUSH-OUT — 14



IN-LINE DRIP OPERATIONAL INDICATOR HEAD — 15



NOTE:
ALL PERFORATED PIPE SHALL BE INSTALLED PLUMB
INSTALL ALL CAPS AND BUBBLERS WITH SOFT ADHESIVE TAPE TO PERFORATED PIPE.
INSTALL BUBBLERS ON OPPOSING SIDES OF ROOT BALL

ROOT WATERING SYSTEM — 16

DETAIL APPLIES TO ALL TREES

DRIPPERLINE SHALL BE WATER TESTED IN PRESENCE OF TOWN OF PARKER REP. PRIOR TO PLACEMENT OF WEED FABRIC AND MULCH

INSTALL TUBING WITH EMITTERS IN TRIANGULATED PATTERN BETWEEN ROWS OF TUBING

IN-LINE DRIP SAMPLE LAY-OUT — 17

NOTES:
1. SEE PLANS & LEGEND FOR ALL DIMENSIONS AND DRIPPERLINE LATERAL SPACING
2. RATIO OF Techline LATERALS TO START CONNECTIONS IS SHOWN AT 2:1, BUT MAY VARY PER HYDRAULIC DEMAND ON START CONNECTION.

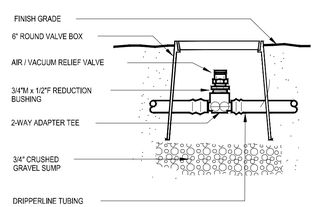
NO SCALE

DRIPPERLINE PIPE LAY-OUT ISOMETRIC VIEW — 18

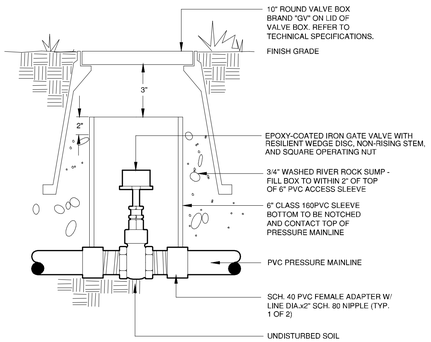
IN-LINE DRIP CONNECTION — 19

DRIPPERLINE SHALL BE INSTALLED UNDER WEED BARRIER FABRIC
DRIPPERLINE LAY-OUT SHALL BE REVIEWED AND APPROVED BY TOWN STAFF PRIOR TO PLACEMENT OF WEED BARRIER FABRIC

SURFACE IN-LINE DRIP TUBING — 20

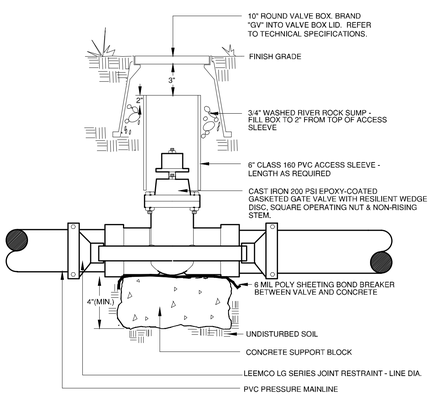


AIR/VACUUM RELEASE VALVE — 21



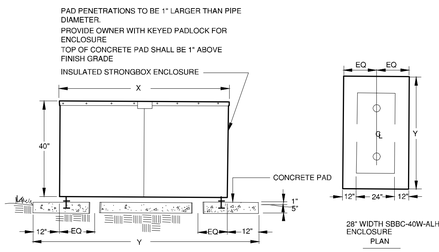
APPLY NON-HARDENING THREAD SEALANT CONTAINING NO PETROLEUM DISTILLATES TO ALL MALE-THREADED FITTINGS (SPEARS BLUE 75 OR EQUAL)

GATE VALVE - 2" AND 2-1/2" DIA. — 22



GATE VALVE - 3" DIA. and LARGER — 23

BFP MODEL/SIZE	ENCLOSURE MODEL	X	Y
FEBCO 860 LARGE - 4"	SBBC-90ALIHP	90"	114"



BACKFLOW ENCLOSURE — 24

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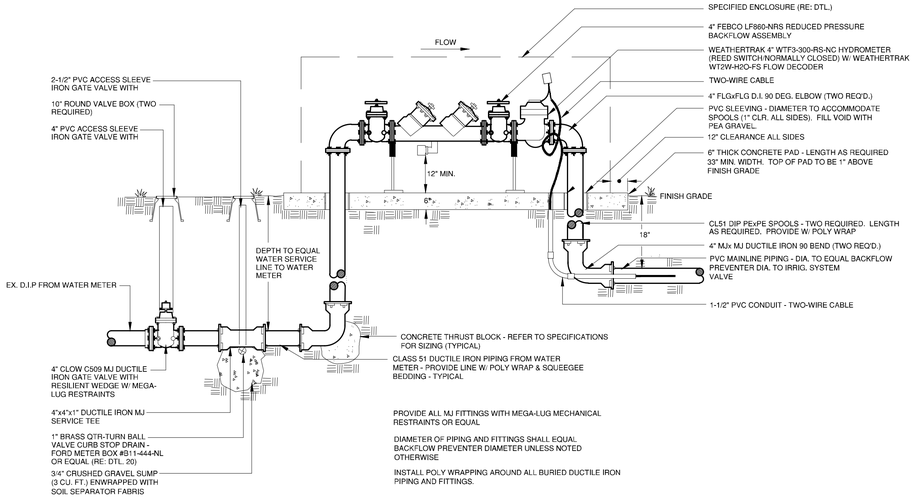
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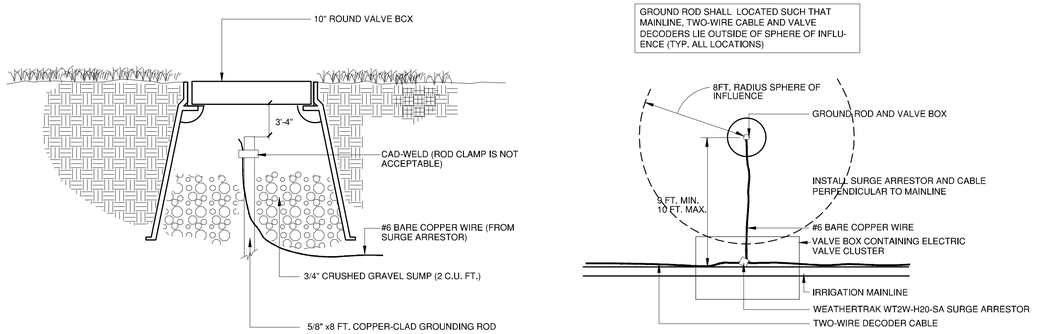
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THE SQUARES ABOVE ARE COLOR, WITH BLACK BEING LITHOL / PRINTER CORRECTLY



BACKFLOW PREVENTER

25



GROUND ROD SHALL BE INSTALLEDAT LOCATION PERPENDICULAR TO MAINLINE. GROUND SHALL BE LOCATED 9 FT. FROM MAINLINE TRENCH

GROUND ROD SHALL LOCATED SUCH THAT MAINLINE, TWO-WIRE CABLE AND VALVE DECODERS LIE OUTSIDE OF SPHERE OF INFLUENCE (TYP. ALL LOCATIONS)

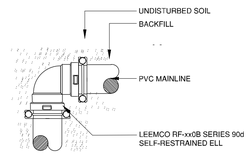
PLAN VIEW

TWO-WIRE SURGE ARRESTOR

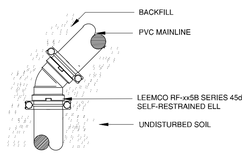
26

MECHANICAL MAINLINE PIPE RESTRAINTS

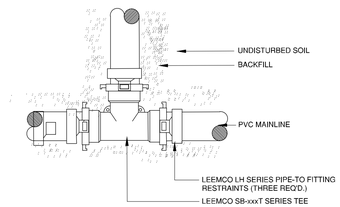
INDICATES MAINLINE PIPING TO BE SECURED VIA MECHANICAL PIPE RESTRAINTS. ALL PIPE-TO-PIPE JOINTS, FITTINGS (I.E. CHANGES IN DIRECTION), SERVICES TEES AND/OR GATE VALVES THAT FALL WITHIN INDICATED DISTANCE SHALL BE RESTRAINED. REFER TO DETAILS. RESTRAINTS SHALL BE MANUFACTURED BY LEEMCO. ALL DISTANCES SHOWN BELOW ARE TYPICAL.



90 DEGREE ELBOW

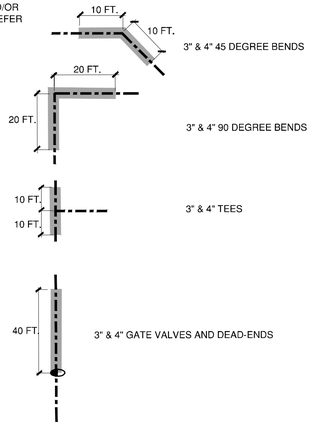


45 DEGREE ELBOW



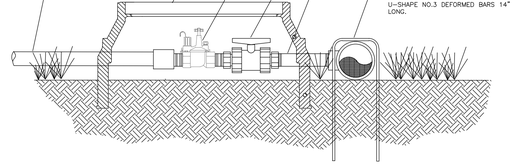
STRAIGHT TEE

INSTALL FITTINGS PER LEEMCO DIRECTIONS INCLUDING USE OF TORQUE WRENCH FOR RESTRAINTS



MAINLINE FITTINGS - 3" DA. and LARGER

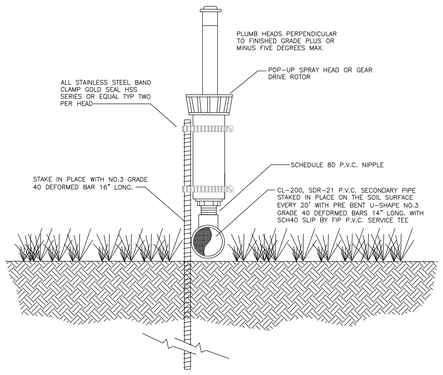
27



ELECTRIC CONTROL VALVE

TEMPORARY IRRIGATION

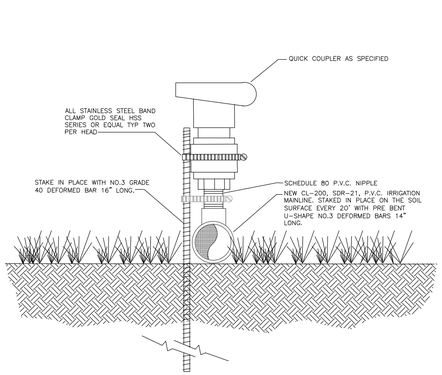
28



ON-GRADE SPRAY HEAD OR ROTOR

TEMPORARY IRRIGATION

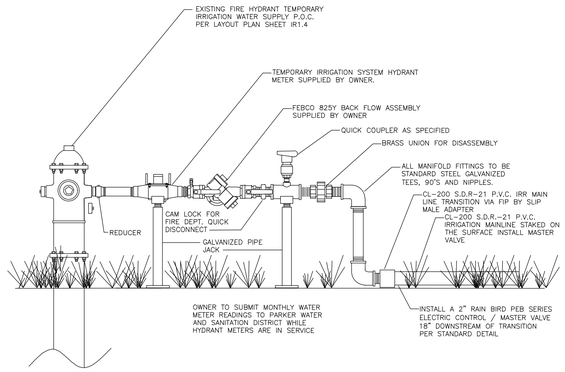
29



QUICK COUPLING VALVE

TEMPORARY IRRIGATION

30



FIRE HYDRANT CONNECTION

TEMPORARY IRRIGATION

31

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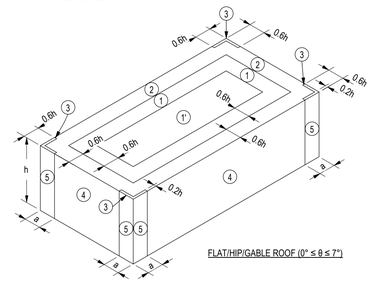
STRUCTURAL GENERAL NOTES

DESIGN LOADS:

1. DESIGN LOADS: 2021 INTERNATIONAL BUILDING CODE WITH TOWN OF PARKER AMENDMENTS, ASCE 7-16
2. RISK CATEGORY: II STANDARD
3. ROOFS:
   - A. ROOF DEAD LOAD 25 PSF
   - B. ROOF LIVE LOAD 20 PSF
   - C. GROUND SNOW LOAD, Pg 30 PSF
   - D. FLAT-ROOF SNOW LOAD, Pf 30 PSF
   - E. SNOW EXPOSURE FACTOR, Ce 1.0
   - F. SNOW IMPORTANCE FACTOR, Is 1.0
   - G. THERMAL FACTOR, Ct 1.2 OPEN-AIR STRUCTURES
   - H. THERMAL FACTOR, CT 1.0 HEATED STRUCTURES
4. FLOOR LIVE LOADS:

OCCUPANCY OR USE	UNIFORMLY DISTRIBUTED (PSF)	CONCENTRATED LOAD (LBS)	LIVE LOAD REDUCTION
PUBLIC SPACES	100	2,000	NO
STORAGE AREAS	125	N/A	NO
RETAIL STORES FIRST FLOOR	100	1,000	YES

5. WIND:
   - A. BASIC DESIGN WIND SPEED, V_{ULT}, (3-SECOND GUST) 115 MPH
   - B. INTERNAL PRESSURE COEFFICIENT 0.18 (ENCLOSED)
   - C. WIND EXPOSURE C
   - D. GROUND ELEVATION FACTOR 0.81
   - E. COMPONENTS AND CLADDING ULTIMATE DESIGN WIND PRESSURES
     1. PRESSURES MAY BE REDUCED FOR EFFECTIVE WIND AREAS LARGER THAN 10 SQUARE FEET, BUT NOT BELOW 16 PSF.
     2. ALLOWABLE WIND PRESSURE (ASD) MAY BE DETERMINED BY MULTIPLYING THE ULTIMATE PRESSURE BY 0.6.



FLAT/HIP/GABLE ROOF (0° ≤ θ ≤ 7°)

COMPONENT AND CLADDING ULTIMATE WIND PRESSURE - FLAT ROOF

ROOF (EFFECTIVE WIND AREA)	ROOF SURFACE PRESSURE (psf)	
	10 sf	100 sf
Negative Zone 1	-56.6	-42.0
Negative Zone 1'	-32.5	-29.9
Negative Zone 2	-74.7	-55.9
Negative Zone 3	-101.7	-64.2
Positive all Zones	16.0	16.0
Overhang Zone 1 & 1'	-51.2	-43.6
Overhang Zone 2	-69.2	-44.2
Overhang Zone 3	-96.3	-52.6

WALL (EFFECTIVE WIND AREA)	WALL SURFACE PRESSURE (psf)	
	10 sf	100 sf
Negative Zone 4	-33.8	-31.7
Negative Zone 5	-40.5	-36.3
Positive Zone 4 & 5	31.1	29.0

6. SEISMIC:
   - A. SPECTRAL RESPONSE ACCELERATION PARAMETERS
     1. SHORT PERIOD
        - a. S_S 0.202g
        - b. S_{DS} 0.216g
     2. ONE SECOND
        - a. S_1 0.056g
        - b. S_{D1} 0.090g
   - B. SOILS SITE CLASS D
   - C. SEISMIC IMPORTANCE FACTOR 1.0
   - D. SEISMIC DESIGN CATEGORY B
   - E. BASIC SEISMIC-FORCE-RESISTING SYSTEM(S)
     - INTERMEDIATE REINFORCED MASONRY SHEAR WALLS
     - STEEL ORDINARY MOMENT FRAMES
   - F. DESIGN BASE SHEAR(S)
   - G. SEISMIC RESPONSE COEFFICIENT(S), C_S
   - H. RESPONSE MODIFICATION COEFFICIENT(S), R
   - I. ANALYSIS PROCEDURE EQUIVALENT LATERAL FORCE

FOUNDATION DESIGN:

1. REFER TO SOILS REPORT NO. 502725001 BY NINYO & MOORE, DATED 11-10-2023.
2. GEOTECHNICAL ENGINEER SHALL VERIFY SOIL CONDITIONS AND TYPES DURING EXCAVATION AND PRIOR TO PLACEMENT OF FORMWORK OR CONCRETE. OVER-EXCAVATE BENEATH SLAB-ON-GRADE TO A DEPTH OF AT LEAST 3 FEET BELOW THE PROPOSED SLAB AND REPLACE WITH MOISTURE-CONDITIONED, PROPERLY COMPACTED ENGINEERED FILL.
3. MINIMUM FROST DEPTH SHALL BE 3'-0 BELOW EXTERIOR GRADE.

FOOTINGS:

1. DESIGN OF FOOTINGS IS BASED ON
   - A. MAXIMUM ALLOWABLE BEARING PRESSURE 3000 PSF
2. BEAR ON 2 FEET OF OVER-EXCAVATED SOIL REPLACED WITH MOISTURE-CONDITIONED COMPACTED FILL. ON-SITE SOILS ARE ACCEPTABLE AS ENGINEERED FILL IF THEY ARE FREE OF ORGANIC MATERIALS. OVER-EXCAVATIONS BENEATH BOTTOM OF FOUNDATIONS SHALL EXTEND LATERALLY BEYOND THE EDGES OF THE FOUNDATIONS AT LEAST 8 INCHES PER FOOT OVER THE EXCAVATION DEPTH BELOW THE FOUNDATION BASE ELEVATION. EXTERIOR FOOTINGS SHALL BEAR BELOW FROST DEPTH.

EARTH RETAINING STRUCTURES:

1. EARTH EQUIVALENT FLUID LATERAL PRESSURE:
   - A. WALLS RESTRAINED AT TOP (AT REST) 64 PCF
   - B. CANTILEVERED WALLS (ACTIVE) 45 PCF
   - C. PASSIVE RESISTING 271 PCF
2. COEFFICIENT OF SLIDING FRICTION 0.35

REINFORCED CONCRETE:

1. DESIGN IS BASED ON ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE."
2. CONCRETE WORK SHALL CONFORM TO ACI 301 "STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE."
3. STRUCTURAL CONCRETE SHALL HAVE THE FOLLOWING PROPERTIES:

INTENDED USE	EXPOSURE CLASS	f'c, PSI 28 DAYS	MAX W/CM RATIO	MAXIMUM AGGREGATE	SLUMP, INCHES (+/- 1")	AIR CONTENT PERCENT (+/- 1.5%)	CEMENT TYPE	ADMIXTURES / COMMENTS
FOOTINGS	F0-S0-W0-C1	3000	0.52	3/4" STONE	5	N/A	I/II	
STEM WALLS	F2-S0-W0-C1	4500	0.45	3/4" STONE	4	6%	I/II	
INTERIOR SLAB ON GRADE	F0-S0-W0-C0	4000	0.45	3/4" STONE	4	N/P	I/II	
EXTERIOR SLAB ON GRADE	F3-S0-W0-C2	5000	0.40	3/4" STONE	4	6%	I/II	25% MAX FLY ASH

4. CONCRETE MIX TABLE NOTES:
   - A. SLUMP VALUES INDICATED ARE SUGGESTED BASED ON USE AND TYPICAL PLACEMENT METHODS. CONTRACTOR MAY ADJUST SLUMP AS NECESSARY FOR FIELD CONDITIONS AND INSTALLATION METHOD USED PROVIDED REMAINING REQUIREMENTS ARE MET.
   - B. AIR CONTENT:
     - a. N/P: AIR ENTRAINING ADMIXTURES NOT PERMITTED, ENTRAPPED AIR ONLY
     - b. N/A: NOT APPLICABLE, NO STRUCTURAL AIR CONTENT REQUIREMENTS
   - C. SHRINKAGE STRAIN: MIXES NOTED AS "SHRINKAGE XX%" SHALL BE LIMITED TO A MAXIMUM DRYING SHRINKAGE (0.05% UNLESS NOTED OTHERWISE) AT 28 DAYS (500 MICROSTRAIN) AS MEASURED BY ASTM C157. SHRINKAGE TEST RESULTS TO BE INCLUDED WITH MIX DESIGN SUBMITTAL.
   - D. GENERAL CONTRACTOR TO COORDINATE CONCRETE MOISTURE LEVEL AND ANTICIPATED MOISTURE MITIGATION PROCEDURES WITH CONCRETE SUPPLIER/MIX DESIGNER AND OTHER AFFECTED SUBCONTRACTORS (INCLUDING BUT NOT LIMITED TO FLOORING) TO ADDRESS ALL POTENTIAL SCHEDULE AND INSTALLATION CONFLICTS.
5. DETAILING, FABRICATION, AND PLACEMENT OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ACI 315 "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT."
6. REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60, EXCEPT BARS SHOWN TO BE FIELD-BENT SHALL BE ASTM A706, GRADE 60.
7. BARS TO BE WELDED SHALL CONFORM TO ASTM A706.
8. UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS, LAP BARS PER THE CONCRETE LAP SPLICE SCHEDULE.
9. AT CORNERS AND INTERSECTIONS, MAKE HORIZONTAL BARS CONTINUOUS OR PROVIDE MATCHING CORNER BARS FOR EACH LAYER OF REINFORCEMENT.
10. TRIM OPENINGS IN WALLS AND SLABS WITH (2) #5 FOR EACH LAYER OF REINFORCEMENT, FULLY DEVELOPED BY EXTENSION OR HOOK.
11. IN CONTINUOUS MEMBERS, SPLICE TOP BARS AT MID-SPAN AND SPLICE BOTTOM BARS OVER SUPPORTS.
12. FORM INTERMITTENT SHEAR KEYS AT ALL CONSTRUCTION JOINTS AND AS SHOWN ON THE STRUCTURAL DRAWINGS.
13. EXCEPT AS NOTED ON THE DRAWINGS, CONCRETE PROTECTION FOR REINFORCEMENT IN CAST-IN-PLACE CONCRETE SHALL BE AS FOLLOWS:
    - A. CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
    - B. EXPOSED TO EARTH OR WEATHER:
      1. #6 THROUGH #18 BARS 2"
      2. #5 BAR, W31 OR D31 WIRE, AND SMALLER 1-1/2"
    - C. NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
      1. SLABS, WALLS, JOISTS: #11 BARS AND SMALLER 3/4"
      2. BEAMS AND COLUMNS:
         - a. PRIMARY REINFORCEMENT 1-1/2"
         - b. STIRRUPS, TIES, SPIRALS 1-1/2"
14. ANCHOR BOLTS AND RODS FOR BEAM AND COLUMN-BEARING PLATES SHALL BE PLACED WITH SETTING TEMPLATES.

STRUCTURAL MASONRY:

1. GENERAL CONTRACTOR SHALL HOLD A MASONRY PRECONSTRUCTION MEETING AT THE PROJECT SITE WITH REPRESENTATION FROM THE GC, MASON, TESTING AGENCY AND STRUCTURAL ENGINEER.
2. GENERAL CONTRACTOR SHALL SUBMIT COORDINATED ELEVATION DRAWINGS FOR REVIEW OF ALL MASONRY WALLS SHOWING:
   - A. ALL CONTROL JOINTS, BOND BEAMS, BEAM AND JOIST POCKETS, AND OPENINGS INCLUDING MECHANICAL AND PLUMBING PENETRATIONS GREATER THAN 3" IN ANY DIMENSION.
   - B. TYPICAL WALL REINFORCING
   - C. ADDITIONAL WALL REINFORCING AT MASONRY LINTELS, JAMBS, OPENINGS, AND AS NOTED ON STRUCTURAL DRAWINGS.
3. DESIGN IS BASED ON ACI 530/ASCE 5/TMS 402, "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES"
4. 28-DAY COMPRESSIVE STRENGTH OF MASONRY ASSEMBLY USED FOR DESIGN IS 2,000 PSI, BASED ON NET-BEDDED AREA.
5. MASONRY LINTELS SHALL USE STANDARD LINTEL UNITS. BOND BEAMS SHALL USE UNITS PRODUCED FROM STANDARD VERTICALLY VOIDED UNITS WITH PRE-CUT KNOCKOUT CROSS WALLS.
6. HOLLOW LOAD-BEARING CONCRETE MASONRY UNITS (CMU) SHALL BE LIGHTWEIGHT, 105 PCF DENSITY, CONFORMING TO ASTM C90, WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 2,000 PSI BASED ON AVERAGE NET AREA.
7. MORTAR SHALL BE TYPE S CONFORMING TO ASTM C270.
8. MASONRY CEMENT SHALL NOT BE USED UNLESS PART OF A PRE-PACKAGED MORTAR OR GROUT MIX APPROVED BY THE STRUCTURAL ENGINEER.
9. ADMIXTURES SHALL NOT BE USED UNLESS APPROVED BY THE ARCHITECT AND/OR STRUCTURAL ENGINEER.
10. GROUT USED IN MASONRY WALLS AND BLOCK CELLS SHALL BE COARSE GROUT, AS DEFINED BY ARTICLE 2.2 OF TMS 602/ACI530.1/ASCE 6, WITH A MINIMUM CUBE STRENGTH = 2,000 PSI OR 3,000 PSI CONCRETE USING 3/8" DIAMETER AGGREGATE AND PLACED BY VIBRATING UNLESS AN APPROVED SELF-CONSOLIDATING MIX IS USED.
11. PLACEMENT OF MORTAR, GROUT, MASONRY UNITS AND WALL TIES SHALL COMPLY WITH TMS 602 / ACI 530.1 / ASCE 6.
12. PROVIDE MORTAR FOR FULL THICKNESS OF SHELL IN ALL HEAD AND BED JOINTS.
13. "LOW-LIFT" GROUTING SHALL NOT EXCEED 5 FEET IN HEIGHT UNLESS ACI 530.1 "HIGH-LIFT" GROUTING PROCEDURES ARE REVIEWED AND APPROVED BY THE ARCHITECT AND STRUCTURAL ENGINEER.
14. VERTICALLY SPACE CONTINUOUS HORIZONTAL JOINT REINFORCING AT 16" MAXIMUM IN ALL CMU WALLS. JOINT REINFORCING SHALL BE WELDED TYPE WITH 9 GAGE SIDE RODS AND 9 GAGE LADDER CROSS RODS. IN EXTERIOR WALLS, JOINT REINFORCEMENT SHALL BE STAINLESS STEEL OR HOT-DIP GALVANIZED. ALL OTHER JOINT REINFORCEMENT SHALL BE MILL GALVANIZED, HOT-DIP GALVANIZED, OR STAINLESS STEEL.
15. REINFORCING BARS SHALL HAVE MATERIAL PROPERTIES AS SPECIFIED FOR REINFORCED CONCRETE. LAP BARS PER THE LAP SPLICE SCHEDULE (48 DIAMETERS MINIMUM) UNLESS OTHERWISE NOTED ON THE STRUCTURAL DRAWINGS.
16. REINFORCEMENT SHALL BE SECURED AGAINST DISPLACEMENT PRIOR TO GROUTING BY WIRE BAR LOCATORS OR OTHER SUITABLE DEVICES AT INTERVALS NOT EXCEEDING 200 BAR DIAMETERS OR 10 FEET.
17. REINFORCE AND GROUT VERTICAL CELLS AT CORNERS, ENDS OF WALLS, JAMBS OF OPENINGS, EACH SIDE OF VERTICAL CONTROL JOINTS, AND AT SPACING SHOWN ON DRAWINGS.
18. WHERE NOTED ON THE DRAWINGS, PROVIDE CLEARANCE BETWEEN MASONRY AND STRUCTURAL ELEMENTS, OR WRAP STEEL WITH POLYETHYLENE FILM.
19. LOCATE VERTICAL CONTROL JOINTS IN ALL MASONRY WALLS AS SHOWN ON THE ARCHITECTURAL DRAWINGS, STRUCTURAL DRAWINGS, OR SPACED HORIZONTALLY AT 25'-0 MAXIMUM SPACING WHERE NOT SHOWN.

STRUCTURAL STEEL:

1. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" (AISC 360) AND THE "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" (AISC 303) BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC).
2. STRUCTURAL STEEL WIDE FLANGE BEAMS AND WTS SHALL CONFORM TO ASTM A992, 50 KSI YIELD.
3. OTHER ROLLED SHAPES, INCLUDING PLATES, CHANNELS, AND ANGLES SHALL CONFORM TO ASTM A36, 36 KSI YIELD.
4. HOLLOW STRUCTURAL SECTION (HSS) RECTANGULAR SHAPES SHALL CONFORM TO ASTM A500, GRADE C, 50 KSI YIELD.
5. EXCEPT AS NOTED, FRAMED BEAM CONNECTIONS SHALL BE BEARING-TYPE WITH 3/4" DIAMETER, SNUG TIGHT, ASTM F3125 BOLTS, DETAILED IN CONFORMANCE WITH THE STRUCTURAL DRAWINGS AND THE "STEEL CONSTRUCTION MANUAL" BY THE AISC. INSTALL BOLTS IN ACCORDANCE WITH AISC'S "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS".
6. ALL BEAMS SHALL HAVE FULL DEPTH WEB STIFFENERS EACH SIDE OF WEBS ABOVE AND BELOW COLUMNS.
7. ANCHOR RODS SHALL CONFORM TO ASTM F1554, GRADE (36, 55 WITH WELDABILITY SUPPLEMENT S1, AND/OR 105) AS NOTED ON THE STRUCTURAL DRAWINGS.
8. WELDING SHALL BE DONE BY A CERTIFIED WELDER IN ACCORDANCE WITH THE AISC DOCUMENTS LISTED ABOVE, THE AMERICAN WELDING SOCIETY (AWS) D1.1; STRUCTURAL WELDING CODE, AND THE RECOMMENDATIONS FOR USE OF WELD E70 ELECTRODES. WHERE NOT SPECIFICALLY NOTED, MINIMUM WELD SHALL BE 3/16" FILLET BY LENGTH OF CONTACT EDGE.
9. GROUT BENEATH COLUMN BASE AND BEAM BEARING PLATES SHALL HAVE A MINIMUM 28-DAY, COMPRESSIVE STRENGTH OF 7,500 PSI AND SHALL BE NON-SHRINK, NON-METALLIC, AND TESTED IN ACCORDANCE WITH ASTM C1107.

CORROSION CONTROL:

1. ALL STEEL MEMBERS EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED PER ASTM A123.
2. FASTENERS AND HARDWARE SHALL BE HOT DIPPED GALVANIZED PER ASTM A153 OR ASTM B695 CLASS 50 (A490 BOLTS SHALL NOT BE HOT DIPPED GALVANIZED). STAINLESS STEEL FASTENERS AND HARDWARE MAY ALSO BE USED.
3. ALL FIELD CUT OR DAMAGED SURFACES, FIELD WELDED AREAS AND AUTHORIZED NON-GALVANIZED MEMBERS AS INDICATED ON THE STRUCTURAL DRAWINGS SHALL BE REPAIRED WITH (2) COATS OF A 95% ZINC RICH PAINT PER ASTM A780 (ZRC PREFERRED).

WOOD SHEATHING:

1. PLYWOOD AND ORIENTED STRAND BOARD (OSB) FLOOR AND ROOF SHEATHING SHALL BE APA RATED WITH STAMP INCLUDING APA TRADEMARK AND PANEL SPAN RATING.
   - A. MINIMUM ROOF SHEATHING: 15/32" OSB OR CDX PLYWOOD, APA 32/16, NAILED.
2. NAIL WALL SHEATHING WITH MINIMUM 8D COMMON OR 10D BOX AT 6" AT PANEL EDGES, AND 12" AT INTERMEDIATE FRAMING EXCEPT AS NOTED. BLOCK AND NAIL ALL EDGES BETWEEN STUDS.
3. MINIMUM (3) 8D NAILS PER STUD. NAIL ALL PLATES USING EDGE NAIL SPACING INDICATED.
4. SHEATHE ALL EXTERIOR WALLS. SHEATHE INTERIOR WALLS AS DESIGNATED ON THE DRAWINGS.
5. SHEATHING SHALL BE CONTINUOUS FROM BOTTOM PLATE TO TOP PLATE. CUT IN "L" AND "T" SHAPES AROUND OPENINGS. LAP SHEATHING OVER SINGLE 2X PLATE MEMBER AT RIM JOIST. AT RIM JOIST PROVIDE A MINIMUM OF 3" BETWEEN SHEATHING EDGE AND TOP/BOTTOM EDGE OF RIM.
6. MINIMUM HEIGHT OF SHEATHING PANELS SHALL BE 16" TO ENSURE THAT PLATES ARE TIED TO STUDS.
7. ALL SHEATHING SHEETS SHALL HAVE 1/8" GAP AT ALL EDGES AND JOINTS.
8. PROVIDE (1) PANEL SHEATHING CLIP AT ALL UNSUPPORTED ROOF SHEATHING PANEL EDGES. WHERE SPANS ARE GREATER THAN 32" PROVIDE (2) CLIPS.

STRUCTURAL WOOD FRAMING:

1. IN-GRADE BASE VALUES HAVE BEEN USED FOR DESIGN.
2. DIMENSIONAL LUMBER FRAMING SHALL BE S4S HEM FIR NO. 2 AND BETTER UNO.
3. SOLID TIMBER BEAMS AND POSTS SHALL BE DOUGLAS FIR-LARCH NO. 1 AND BETTER UNO.
4. STUDS SHALL BE HEM FIR STUD GRADE AND BETTER UNO.
5. TOP AND BOTTOM PLATES SHALL BE DOUGLAS FIR-LARCH NO. 2 AND BETTER UNO.
6. ALL LUMBER SHALL BE 19% MAXIMUM MOISTURE CONTENT AT THE TIME OF INSTALLATION UNO.
7. ALL WOOD EXPOSED TO WEATHER OR IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED DOUGLAS FIR-LARCH OR SOUTHERN YELLOW PINE. PRESERVATIVE-TREATED WOOD SHALL BE TREATED IN ACCORDANCE WITH AWPA STANDARDS U1 AND M4. TREATMENTS SHALL HAVE NO AMMONIA ADDED AND SHALL BE THE FOLLOWING USE CATEGORY:
   - A. UC2 AT INTERIOR
   - B. UC3B AT EXTERIOR WITH NO GROUND CONTACT
   - C. UC4B AT EXTERIOR WITH GROUND CONTACT
8. FASTENERS FOR USE WITH TREATED WOOD SHALL BE CORROSION RESISTANT IN ACCORDANCE WITH SECTION 2304.10.6 OF THE IBC.
9. ALL CONNECTORS USED WITH PRESSURE-TREATED MATERIAL SHALL BE STAINLESS STEEL ASTM 304 OR 316, OR HAVE A SIMPSON Z-MAX (G185) OR HDG COATING. STANDARD COATING (G90) IS ACCEPTABLE AT INTERIOR CONDITIONS WITH NON PRESSURE-TREATED LUMBER ONLY. CONNECTORS ARE TO BE IN ACCORDANCE WITH ASTM A653 OR ASTM 123.
10. ALL IRON AND STEEL PRODUCTS ATTACHED TO TREATED LUMBER SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123 OR SHALL BE TYPE 304 OR 316 STAINLESS STEEL.
11. STRUCTURAL MEMBERS SHALL NOT BE CUT FOR PIPES, ETC. UNLESS SPECIFICALLY NOTED OR DETAILED ON THE STRUCTURAL DRAWINGS.
12. ALL BOLTS SHALL BE RETIGHTENED PRIOR TO CLOSING IN OF WALLS, FLOORS, AND ROOFS.
13. ALL BOLTS BEARING ON WOOD SHALL HAVE STANDARD CUT WASHERS UNDER HEAD AND/OR NUT, UNO.
14. METAL FRAMING ANCHORS SHOWN OR REQUIRED, SHALL BE SIMPSON STRONG-TIE OR EQUAL CODE APPROVED CONNECTORS AND INSTALLED WITH ALL HOLES FILLED (ROUND AND TRIANGULAR) WITH THE MAXIMUM SIZE NAIL RECOMMENDED BY THE MANUFACTURER TO DEVELOP THE MAXIMUM RATED CAPACITY.
15. CONNECTOR BOLTS AND LAG SCREWS SHALL CONFORM TO ANSI/ASME B18.2.1 AND ASTM SAE J429 GRADE 1.
16. NAILS AND SPIKES SHALL CONFORM TO ASTM F1667.
17. WOOD SCREWS SHALL CONFORM TO ANSI/ASME B18.6.1.
18. CONVENTIONAL LIGHT FRAMING SHALL COMPLY WITH IBC SECTION 2308.
19. COLUMNS / MULTIPLE STUDS IN BEARING WALLS SUPPORTING ALL BEAMS AND HEADERS SHALL OCCUR CONTINUOUSLY THROUGH EACH FLOOR LEVEL DOWN TO THE FOUNDATION OR ANOTHER SUPPORT BEAM. SOLID SQUASH BLOCKING EQUIVALENT IN AREA TO THE COLUMN/MULTIPLE STUDS ABOVE SHALL BE PROVIDED WITHIN THE JOIST SPACE BENEATH THE COLUMN/MULTIPLE STUDS.
20. ALL BEAMS AND TRUSSES SHALL BE BRACED AGAINST ROTATION AT POINTS OF BEARING.
21. 2X BLOCKING SHALL BE PLACED BETWEEN JOISTS OR RAFTERS AT ALL SUPPORTS, UNO.
22. CROSS-BRIDGING OR SOLID BLOCKING SHALL BE PROVIDED AT 8'-0" MAX. FOR ALL JOISTS AND RAFTERS MORE THAN 10" IN DEPTH, 2X3 OR APPROVED METAL TYPE BRIDGING MAY BE USED.
23. PROVIDE A MINIMUM OF (3) STUDS AT EACH CORNER, UNO.
24. ALL JOISTS AND BEAMS (EXCLUDING I-JOISTS) SHALL BE SEAT-CUT FOR FULL UNIFORM BEARING AT SUPPORTS, SEATS, CAPS, ETC.
25. VENTING IS REQUIRED IN ALL ENCLOSED ROOF AND CRAWL SPACE FRAMING CAVITIES, SEE ARCHITECTURAL DRAWINGS.
26. EXCEPT AS NOTED OTHERWISE, MINIMUM NAILING SHALL BE PROVIDED AS SPECIFIED IN TABLE 2304.10.2 "FASTENING SCHEDULE" OF THE IBC.
27. ALL MULTIPLE MEMBER BEAMS SHALL BE NAILED TOGETHER WITH MAX NUMBER OF 10D NAILS VERTICALLY @ 3" AND HORIZONTALLY @ 12" PER PLY.
28. ALL ROOF RAFTERS, JOISTS, TRUSSES, AND BEAMS SHALL BE ANCHORED TO SUPPORTS WITH H2.5A METAL FRAMING ANCHORS UNO. PROVIDE (2) WITHIN 4'-0" OF ALL CORNERS.

SHOP DRAWINGS:

1. THE STRUCTURAL DRAWINGS ARE COPYRIGHTED AND SHALL NOT BE COPIED FOR USE AS ERECTION PLANS OR SHOP DETAILS. USE OF JVA'S ELECTRONIC FILES AS THE BASIS FOR SHOP DRAWINGS REQUIRES PRIOR APPROVAL BY JVA. A SIGNED RELEASE OF LIABILITY BY THE GENERAL CONTRACTOR AND/OR HIS SUBCONTRACTORS, AND DELETION OF JVA'S NAME AND LOGO FROM ALL SHEETS SO USED.
2. THE GENERAL CONTRACTOR SHALL SUBMIT IN WRITING ANY REQUESTS TO MODIFY THE STRUCTURAL DRAWINGS OR PROJECT SPECIFICATIONS.
3. ALL SHOP AND ERECTION DRAWINGS SHALL BE CHECKED AND STAMPED (AFTER HAVING BEEN CHECKED) BY THE GENERAL CONTRACTOR PRIOR TO SUBMISSION FOR STRUCTURAL ENGINEER'S REVIEW; SHOP DRAWING SUBMITTALS NOT CHECKED BY THE GENERAL CONTRACTOR PRIOR TO SUBMISSION TO THE STRUCTURAL ENGINEER WILL BE RETURNED WITHOUT REVIEW.
4. FURNISH ELECTRONIC VERSION (PDF) OF SHOP AND ERECTION DRAWINGS TO THE STRUCTURAL ENGINEER FOR REVIEW PRIOR TO FABRICATION FOR:
   - A. CONCRETE MIX DESIGNS
   - B. CONCRETE REINFORCING STEEL
   - C. CONCRETE SLAB ON GRADE CONTROL JOINT LAYOUT
   - D. MASONRY WALL COORDINATION DRAWING ELEVATIONS
   - E. MASONRY REINFORCING STEEL
   - F. STRUCTURAL STEEL
   - G. STEEL FORM, FLOOR, AND ROOF DECK
5. SUBMIT IN A TIMELY MANNER TO PERMIT 10 WORKING DAYS FOR REVIEW BY THE STRUCTURAL ENGINEER.
6. SHOP DRAWINGS SUBMITTED FOR REVIEW DO NOT CONSTITUTE "REQUEST FOR CHANGE IN WRITING" UNLESS SPECIFIC SUGGESTED CHANGES ARE CLEARLY MARKED. IN ANY EVENT, CHANGES MADE BY MEANS OF THE SHOP DRAWING SUBMITTAL PROCESS BECOME THE RESPONSIBILITY OF THE ONE INITIATING THE CHANGE.

SPECIAL INSPECTIONS - 2021:

1. THE FOLLOWING SPECIAL INSPECTIONS AND TESTING SHALL BE PERFORMED BY A QUALIFIED SPECIAL INSPECTOR, RETAINED BY THE OWNER, IN ACCORDANCE WITH THE FOLLOWING SECTIONS OF IBC CHAPTER 17:
   - A. SECTION 1704 SPECIAL INSPECTIONS, CONTRACTOR RESPONSIBILITY, AND STRUCTURAL OBSERVATIONS AND THE FOLLOWING SUB-SECTIONS:
     1. 1704.2 SPECIAL INSPECTIONS AND TESTS
     2. 1704.3 STATEMENT OF SPECIAL INSPECTIONS
   - B. SECTION 1705 REQUIRED VERIFICATION AND INSPECTION AND THE FOLLOWING SUB-SECTIONS:
     1. 1705.2 STEEL CONSTRUCTION
     2. 1705.3 CONCRETE CONSTRUCTION
     3. 1705.4 MASONRY CONSTRUCTION
     4. 1705.6 SOILS
2. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION. THE APPROVED INSPECTOR MUST BE INDEPENDENT FROM THE CONTRACTOR RESPONSIBLE FOR THE WORK BEING INSPECTED.
3. DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR SHALL BE TO INSPECT AND/OR TEST THE WORK OUTLINED ABOVE AND WITHIN THE STATEMENT OF SPECIAL INSPECTIONS IN ACCORDANCE WITH CHAPTER 17 OF THE IBC FOR CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.
4. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION.
5. PER SECTION 1704.2.4 THE SPECIAL INSPECTOR SHALL FURNISH REGULAR REPORTS TO THE BUILDING OFFICIAL AND THE STRUCTURAL ENGINEER. PROGRESS REPORTS FOR CONTINUOUS INSPECTION SHALL BE FURNISHED WEEKLY. INDIVIDUAL REPORTS OF PERIODIC INSPECTIONS SHALL BE FURNISHED WITHIN ONE WEEK OF INSPECTION DATES. THE REPORTS SHALL NOTE UNCORRECTED DEFICIENCIES, CORRECTION OF PREVIOUSLY REPORTED DEFICIENCIES, AND CHANGES TO THE APPROVED CONSTRUCTION DOCUMENTS AUTHORIZED BY THE STRUCTURAL ENGINEER OF RECORD.
6. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT WITHIN 10 DAYS OF THE FINAL SPECIAL INSPECTION STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE IBC. WORK NOT IN COMPLIANCE SHALL BE NOTED IN THE REPORT.
7. THE CONTRACTOR SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON A MAIN WIND- OR SEISMIC-FORCE-RESISTING SYSTEM PER SECTION 1704.4.
8. EXCEPT AS NOTED, THE SPECIAL INSPECTIONS OUTLINED ABOVE ARE IN ADDITION TO, AND BEYOND THE SCOPE OF, PERIODIC STRUCTURAL OBSERVATIONS AS DEFINED IN SECTION 1704.6. STRUCTURAL OBSERVATIONS ARE INCLUDED IN THE STRUCTURAL ENGINEERING DESIGN AND CONSTRUCTION ADMINISTRATION SERVICES PROVIDED BY THE STRUCTURAL ENGINEER.

STRUCTURAL DRAWING LIST

SHEET NO	SHEET TITLE
S-001	GENERAL NOTES
S-002	ABBREVIATIONS & SMBOLS KEY
S-003	IBC 2021 STATEMENT OF SPECIAL INSPECTION
S-111A	COMMUNITY HUB FOUNDATION & ROOF PLANS
S-111B	CONCESSIONS & RESTROOM FOUNDATION & ROOF PLANS
S-411A	COMMUNITY HUB COLUMN PLANS & SECTIONS
S-411B	CONCESSIONS & RESTROOMS COLUMN PLANS & SECTION
S-500	TYPICAL CONCRETE DETAILS
S-501	TYPICAL CMU DETAILS
S-502	TYPICAL CMU DETAILS
S-503	TYPICAL FOUNDATION DETAILS
S-504	TYPICAL STEEL DETAILS
S-510	FOUNDATION DETAILS
S-511	ROOF DETAILS

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ELECTRICAL ENGINEER
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ARCHITECTURE

LANDSCAPE ARCHITECTURE

PLANNING

INTERIOR DESIGN

Δ	DATE	DESCRIPTION

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Key Map

Drawing

GENERAL NOTES

S-001

SITE PLAN SUBMITTAL
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THE LINE SHOWN ABOVE IS EXACTLY 1" WHEN PLOTTED ON 24 X 36 SHEETS ORIGINAL PAGE SIZE

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THE LINE SHOWN ABOVE IS 1" LONG WHEN PLOTTED ON ANSI D SHEETS ORIGINAL PAGE SIZE

THE SQUARES ABOVE ARE COLOR WITH BLACK AND WHITE LEFTOVER, IF PRINTED CORRECTLY

TYPICAL 6" AND 8" NON-STRUCTURAL BLOCK PARTITIONS:
BLOCK PARTITIONS SHALL HAVE #4 VERTICALS CENTERED IN WALL IN GROUTED CELLS AT CORNERS, JAMBS, WALL INTERSECTIONS, AND @ 8'-0 MAXIMUM. DOWEL TO SLAB WITH 1/2'Ø x 1'-6 ALL THREAD BARS INTO A 1/2'Ø DROP-IN EXPANSION ANCHOR WITH A 2" EMBEDMENT INTO THE SLAB. LOCATE DOWELS TO MATCH VERTICAL BAR SPACING. PROVIDE 2'-0 DEEP SOLID GROUTED MASONRY LINTEL AT TOP OF ALL WALLS WITH MATCHING CORNER BARS. WALL SHALL HAVE HORIZONTAL JOINT REINFORCING @ 16". BRACE TOP OF PARTITIONS PER SECTION X/XXX. SEE ARCHITECTURAL DRAWINGS FOR EXTENT OF PARTITIONS AND CONTROL JOINTS

MASONRY, STEEL, AND MECHANICAL SUBCONTRACTORS' NOTE:
STRUCTURAL DRAWINGS DO NOT INDICATE ALL WALL, FLOOR, OR ROOF PENETRATIONS FOR MECH DUCTS, DRAINS, VENTS, ETC., DRAWINGS INDICATE TYPICAL AND SPECIAL CONDITIONS FOR FRAMING AT THE PENETRATIONS, SEE X/XXX; GENERAL CONTRACTOR AND SUBCONTRACTORS' SHALL BE RESPONSIBLE FOR DETERMINING AND/OR MODIFYING OPENING LOCATIONS, ELEVATIONS AND DIMENSIONS FOR MECH UNLESS NOTED OTHERWISE. COORDINATION TO BE COMPLETED PRIOR TO FABRICATION OF STRUCTURAL STEEL AND ROOF JOISTS

FIELD VERIFICATION:
- ALL DIMENSIONS AND CONDITIONS SHALL BE FIELD VERIFIED BY CONTRACTOR
- IF DIMENSIONS AND CONDITIONS DIFFER THAN THOSE SHOWN ON DRAWINGS, NOTIFY ARCHITECT AND ENGINEER
- NOTIFY ARCHITECT AND ENGINEER ONCE FINISHES ARE REMOVED & FOUNDATION IS EXCAVATED TO ALLOW OBSERVATION

ABBREVIATIONS KEY

@	ON CENTER SPACING	DWG	DRAWING	LGS	LIGHT GAGE STEEL	
(E)	EXISTING	DWL	DOWEL	LL	LIVE LOAD	REINF	REINFORCE, -ED, -ING
(N)	NEW	EA	EACH	LLH	LONG LEG HORIZONTAL	REQ	REQUIRED
(R)	REMOVE	ECC	ECCENTRIC	LLV	LONG LEG VERTICAL	REQMT	REQUIREMENT
AB	ANCHOR ROD (BOLT)	E-E	END TO END	LOC	LOCATION	RET	RETAINING
ADDL	ADDITIONAL	EF	EACH FACE	LP	LOW POINT	RM	ROOM
ADJ	ADJUSTABLE	EJ	EXPANSION JOINT	LSL	LAMINATED STRAND LUMBER (GENERIC TERM)	RMO	ROUGH MASONRY OPENING
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL	EL	ELEVATION	LT	LIGHT	RO	ROUGH OPENING
AFF	ABOVE FINISHED FLOOR	ELEC	ELECTRIC, ELECTRICAL	LVL	LAMINATED VENEER LUMBER (GENERIC TERM)	SC	SLIP-CRITICAL
ALT	ALTERNATE	EMBED	EMBEDMENT	MACH	MACHINE	SCH	SCHEDULE
AMT	AMOUNT	ENGR EOR	ENGINEER ENGINEER OF RECORD	MASY	MASONRY	SDST	SELF-DRILLING/ SELF-TAPPING
ANCH	ANCHOR, ANCHORAGE	EQ	EQUAL	MATL	MATERIAL	SECT	SECTION
APPROX	APPROXIMATE	EQUIP	EQUIPMENT	MAX	MAXIMUM	SF	SQUARE FEET, SUB-FLOOR
ARCH	ARCHITECT, -URAL	EQUIV	EQUIVALENT	MB	MACHINE BOLT	SHT	SHEET
ATR	ALL THREAD ROD	ES	EACH SIDE	MECH	MECHANICAL	SHTG	SHEATHING
AVG	AVERAGE	EST	ESTIMATE	MEZZ	MEZZANINE	SIM	SIMILAR
BC	BOTTOM OF CONCRETE	E-W	EAST TO WEST	MFR	MANUFACTURE, -ER, -ED	SLH	SHORT LEG HORIZONTAL
BL	BRICK LEDGE	EXC	EXCAVATE	MIN	MINIMUM	SLV	SHORT LEG VERTICAL
BLK	BLOCK	EXP	EXPANSION	ML	MICROLLAM (TRUS-JOIST BRAND LVL), MASONRY LINTEL	SOG	SLAB ON GRADE
BLKG	BLOCKING	EXT	EXTERIOR	MO	MASONRY OPENING	SP	SPACES, SPACED
BM	BEAM	FD	FLOOR DRAIN	MTL	METAL	SPEC	SPECIFICATIONS
BOT	BOTTOM	FDN	FOUNDATION	NF	NEAR FACE	SQ	SQUARE
BRG	BEARING	FF	FINISHED FLOOR, FAR FACE	NIC	NOT IN CONTRACT	SSR	SHEAR STUD RAIL
BW	BOTTOM OF WALL	F-F	FACE TO FACE	NS	NEAR SIDE	ST	SNUG-TIGHT
CB	COUNTERBORE	FIG	FIGURE	N-S	NORTH TO SOUTH	STD	STANDARD
CF	CUBIC FOOT	FL	FLUSH	NTS	NOT TO SCALE	STIFF	STIFFENER
CFS	COLD-FORMED STEEL	FLG	FLANGE	OCJ	OSHA COLUMN JOIST	STL	STEEL
CG	CENTER OF GRAVITY	FLR	FLOOR	OD	OUTSIDE DIAMETER	STRUCT	STRUCTURE, -AL
CIP	CAST-IN-PLACE	FO	FACE OF	OF	OUTSIDE FACE	SUPT	SUPPORT
CJ	CONSTRUCTION JOINT, CONTROL JOINT	FP	FULL PENETRATION	OH	OPPOSITE HAND	SY	SQUARE YARD
CJP	COMPLETE JOINT PENETRATION	FS	FOOTING STEP, FAR SIDE	OPNG	OPENING	SYM	SYMMETRICAL
CL	CENTER LINE	FTG	FOOTING	OPP	OPPOSITE	T&B	TOP AND BOTTOM
CLG	CEILING	GA	GAGE, GAUGE	OSB	ORIENTED STRAND BOARD	T&G	TONGUE AND GROOVE
CLR	CLEAR	GALV	GALVANIZED	PAF	POWDER ACTUATED FASTENER	TB	TOP OF BEAM
CM	CONSTRUCTION MANAGER, -MENT	GC	GENERAL CONTRACTOR	PC	PRECAST	TC	TOP OF CONCRETE
CMU	CONCRETE MASONRY UNIT	GEN	GENERAL	PCF	POUNDS PER CUBIC FOOT	TCA	TORQUE-CONTROLLED ANCHOR
COL	COLUMN	GL	GLUED LAMINATED, GLULAM	PE	PRE-ENGINEERED	TD	TOP OF DECK
COM	COMMON	GND	GROUND	PEN	PENETRATION	THD	THREAD
COMB	COMBINATION	GR	GRADE	PERP	PERPENDICULAR	THK	THICK, -NESS
CONC	CONCRETE	GT	GIRDER TRUSS	PJP	PARTIAL JOINT PENETRATION	TJ	TOP OF JOIST
CONN	CONNECTION	GYP BD	GYPSUM BOARD	PL	PLATE	TL	TOTAL LOAD
CONT	CONTINUOUS, CONTINUE	HAS	HEADED ANCHOR STUD	PLF	POUND PER LINEAR FOOT	TPG	TOPPING
COORD	COORDINATE, COORDINATION	HDG	HOT-DIP GALVANIZED	PNL	PANEL	TRANS	TRANSVERSE
CS	COUNTERSINK	HDR	HEADER	PP	PANEL POINT	TW	TOP OF WALL
CTR	CENTER	HORIZ	HORIZONTAL	PS	PRESTRESSED	TYP	TYPICAL
CY	CUBIC YARD	HP	HIGH POINT	PSF	POUNDS PER SQUARE FOOT	ULT	ULTIMATE
DAB	DEFORMED ANCHOR BAR	HT	HEIGHT	PSI	POUNDS PER SQUARE INCH	UNO	UNLESS NOTED OTHERWISE
DET	DETAIL	ID	INSIDE DIAMETER	PSL	PARALLEL STRAND LUMBER (GENERIC TERM)	VERT	VERTICAL
DEV	DEVELOP	IF	INSIDE FACE	PT	POST TENSIONED, PRESSURE TREATED	VIF	VERIFY IN FIELD
DIAG	DIAGONAL	INT	INTERIOR, INTERMEDIATE	PTN	PARTITION	WP	WORK POINT
DIM	DIMENSION	IT	INVERTED TEE	PWD	PLYWOOD	WT	WEIGHT
DL	DEAD LOAD	JB	JOIST BEARING	QTY	QUANTITY	WWF	WELDED WIRE FABRIC
DN	DOWN	JST	JOIST	R	RADIUS	XS	EXTRA STRONG
DP	DRILLED PIER	JT	JOINT	RE	REFERENCE, REFER TO	XSECT	CROSS SECTION
DT	DOUBLE TEE	K	KIP (1,000 LBS)	RECT	RECTANGLE	XXS	DOUBLE EXTRA STRONG

SYMBOLS KEY

DIRECTION OF DECK SPAN

GRID — GRID DESIGNATION

X — REVISION

X / SX — INDICATES STRUCTURAL ELEVATION

SWx — SHEAR WALL

SHORING

STEP IN FLOOR ELEVATION

CMU (CONCRETE MASONRY UNIT)

BRICK

CIP CONCRETE

PRECAST CONCRETE

EXISTING CONCRETE

EARTH

FX.X — ISOLATED SPREAD FOOTING MARK

FXX — SPREAD FOOTING MARK

STEP — STEP IN BOTTOM OF WALL/GRADE BEAM

DP-XXM (Y) (XX'-X") — DRILLED PIER: XX = Ø, M = PIER MARK, (Y) = BEDROCK PENETRATION (XX'-X") = TOP OF PIER ELEVATION

XX:12 — ROOF SLOPE

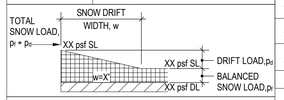
SLOPE — DIRECTION OF SLOPE (DOWN)

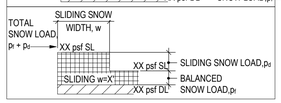
DN — UP — STAIR OR RAMP DIRECTION

STRESSING END ANCHOR

DEAD END ANCHOR

INTERMEDIATE ANCHOR





BUILDING COLUMN DESIGNATIONS

CONT C — COLUMN CONTINUOUS FROM LEVEL BELOW

CXX — COLUMN STARTING AT THIS LEVEL

B — COLUMN STOPPING BELOW THIS LEVEL, SEE FRAMING PLAN AT NEXT LOWER LEVEL

CXX STUB — COLUMN STARTING AND ENDING AT THIS LEVEL OF FRAMING

CXX HGR — COLUMN CONNECTING A LOWER BEAM TO A HIGHER BEAM AT THIS LEVEL OF FRAMING

BRACED/FRAME BAY SYMBOLS

B — INDICATES BRACED BAY MARK

X / SX — INDICATES BRACED BAY ELEVATION

INDICATES BRACED MEMBER (ON PLAN)

INDICATES CONFIGURATION OF INVERTED CHEVRON-TYPE BRACED BAY WITH HSS DIAGONAL BRACES

INDICATES CONFIGURATION OF SINGLE DIAGONAL BRACED BAY WITH HSS DIAGONAL BRACE

RF — INDICATES RIGID (MOMENT) FRAME WITH FULL PENETRATION WELDED BEAM FLANGE TO COLUMN CONNECTIONS

X / SX — INDICATES RIGID (MOMENT) FRAME ELEVATION W/ FULL PENETRATION WELDED BEAM FLANGE TO COLUMN CONNECTIONS

INDICATES BRACED BAY OR FRAMED BAY COLUMN BASE

FULLY WELDED MOMENT FRAME CONNECTION

CANTILEVER MOMENT CONNECTION

LOCATION OF BEND IN BENT BEAM

<X> — NUMBER OF HEADED ANCHOR STUDS

XXX'-X — TOP OF CONCRETE OR MASONRY ELEVATION

[XXX'-X] — TOP OF BEAM ELEVATION

JB XXX'-X — JOIST BEARING ELEVATION

BL XXX'-X — BRICK LEDGE ELEVATION

(XXX'-X) — TOP OF FOOTING ELEVATION

XXX'-X — TOP OF FLOOR ELEVATION

BUILDING COLUMN DESIGNATIONS

XXX'-X — TOP OF CONCRETE OR MASONRY ELEVATION

STEP TOP OF WALL

BL XXX'-X — BRICK LEDGE ELEVATION

(XXX'-X) — TOP OF FOOTING ELEVATION

XXX'-X — TOP OF FLOOR ELEVATION

WOOD BEARING WALL

WOOD SHEAR WALL

A — COLUMN ABOVE

B — COLUMN BELOW

Cxx — COLUMN OR OTHER ELEMENT BELOW SEE SCHEDULES & NOTES
Cx = COLUMN
BPx = BASE PLATE

CONT — COLUMN CONTINUOUS FROM LEVEL BELOW

XX YY — "X" NUMBER OF KING STUDS BELOW
"Y" NUMBER OF TRIMMER STUDS BELOW

WPXY — "WP" = WOOD POST
"X" = NUMBER OF STUDS
"Y" = NOMINAL STUD DIMENSION

LVLXY — "LVL" = LAMINATED VENEER LUMBER
"X" = NUMBER OF PLY'S
"Y" = WIDTH OF LVL

HDx — HOLDOWN

WOOD HEADER

WOOD JOIST OR BEAM SUPPORTED BY METAL HANGER

WOOD JOIST CONTINUOUS OVER INTERMEDIATE SUPPORT

WOOD JOIST BEARING ON TOP OF SUPPORT

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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

Δ	DATE	DESCRIPTION

Project Number: 223072.00
Sheet Issue Date: 2024-11-22
Drawn By: DJM
Checked By: BAR

Key Map

Drawing
ABBREVIATIONS & SMBOLS KEY

S-002

SITE PLAN SUBMITTAL

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THE LINE SHOWN ABOVE IS EXACTLY 1" LONG ON ALL ANSI SHEETS ORIGINAL PAGE SIZE

THE SQUARES ABOVE ARE COLOR WITH BLACK AND WHITE LEFTOVER, IF PRINTED CORRECTLY

STEEL SPECIAL INSPECTION (IBC 1705.2, 1705.12.3 & 1705.13.1)

ITEM	REQUIRED QUALIFICATIONS	FREQUENCY	DETAILED INSTRUCTIONS
FABRICATORS			(IBC 1704.2.5 & 1705.11)
In-plant Inspection	AWS/AISC-SSI ICC-SWSI		Required unless Fabricator is approved and follows procedures of 1704.2.5.1
PRIOR TO WELDING			(TABLE N5.4-1, AISC 360-16)
Verify welding procedures (WPS) and consumable certificates	AWS-CWI ASNT	Continuous	
Material identification	AWS-CWI ASNT	Periodic	Verify type and grade of material.
Welder identification	AWS-CWI ASNT	Periodic	A system shall be maintained by which a welder who has welded a joint or member can be identified.
Fit-up groove welds	AWS-CWI ASNT	Periodic	Verify joint preparation, dimensions, cleanliness, tacking, and backing.
Fit-up CJP groove welds of HSS joints without backing	AWS-CWI ASNT	Periodic	Verify joint preparation, dimensions, cleanliness, and tacking
Access holes	AWS-CWI ASNT	Periodic	Verify configuration and finish.
Fit-up of fillet welds	AWS-CWI ASNT	Periodic	Verify alignment, gaps at root, cleanliness of steel surfaces, and tack weld quality and location.
DURING WELDING			(TABLE N5.4-2, AISC 360-16)
Use of qualified welders	AWS-CWI ASNT	Periodic	Verify that welders are appropriately qualified.
Control and handling of welding consumables	AWS-CWI ASNT	Periodic	Verify packaging and exposure control.
Cracked tack welds	AWS-CWI ASNT	Periodic	Verify that welding does not occur over cracked tack welds.
Environmental conditions	AWS-CWI ASNT	Periodic	Verify wind speed is within limits as well as precipitation and temperature.
WPS followed	AWS-CWI ASNT	Periodic	Verify items such as settings on welding equipment, travel speed, welding materials, shielding gas type/flow rate, preheat applied, interpass temperature maintained, and proper position.
Welding techniques	AWS-CWI ASNT	Periodic	Verify interpass and final cleaning, each pass is within profile limitations, and quality of each pass.
AFTER WELDING			(TABLE N5.4-3, AISC 360-10)
Welds cleaned	AWS-CWI ASNT	Periodic	Verify that welds have been properly cleaned.
Size, length, and location of welds	AWS-CWI ASNT	Continuous	
Welds meet visual acceptance criteria	AWS-CWI ASNT	Continuous	
Arc strikes	AWS-CWI ASNT	Continuous	
k-area	AWS-CWI ASNT	Continuous	
Weld access holes in heavy shapes	AWS-CWI ASNT	Continuous	
Backing & weld tabs removed	AWS-CWI ASNT	Continuous	
Repair activities	AWS-CWI ASNT	Continuous	
Document acceptance or rejection of welded joint/member	AWS-CWI ASNT	Continuous	
AFTER BOLTING			(TABLE N5.6-3, AISC 360-16)
Document acceptance or rejection of bolted connections	AWS/AISC-SSI ICC-SWSI	Continuous	
OTHER STEEL INSPECTIONS			(SECTION N5.7, AISC 360-16; Tables J8-1 & J10-1, AISC 341-16)
Structural steel details	PE/SE	Periodic	All fabricated steel or steel frames shall be inspected to verify compliance with the details shown in the construction documents, such as braces, stiffeners, member locations, and proper application of joint details at each connection.
Anchor rods and other embedments supporting structural steel	ACI-CCI	Periodic	Shall be on the premises during the placement of anchor rods and other embedments supporting structural steel for compliance with construction documents. Verify the diameter, grade, type, and length of the anchor rod or embedded item, and the extent or depth of embedment prior to placement of concrete.
STEEL ROOF AND FLOOR DECKS			(IBC 1705.2.2; Section 6.1 of SDI QA/QC - 2017)
Material verification of cold-formed steel deck	AWS/AISC-SSI ICC-SWSI	Periodic	Confirm that identification markings are provided to conform to ASTM standards specified on construction documents.
Roof deck welds	AWS-CWI	Periodic	Visual inspection is required to confirm that weld meets acceptance criteria of AWS D1.3 and SDI C, SDI NC, SDI RD and manufacturer's instructions.
Roof mechanical fasteners	AWS/AISC-SSI ICC-SWSI	Periodic	Visual inspection to confirm fasteners are installed per SDI C, SDI NC, SDI RD and manufacturer's instructions.
Steel deck installation	AWS/AISC-SSI ICC-SWSI	Periodic	Verify deck is installed per the approved construction documents, installation drawings, shop drawings and applicable reference standards.

MASONRY SPECIAL INSPECTION (IBC 1705.4)

ITEM	REQUIRED QUALIFICATIONS	FREQUENCY	DETAILED INSTRUCTIONS
PRIOR TO CONSTRUCTION			(TABLE 3, TMS-602/ACI530.1-16)
Review material certificates, mix designs, test results and construction procedures	PE	Periodic	Verify that materials conform to the requirements of the approved construction documents. Mix design, test results, material certificates, and construction procedures should be submitted for review. Mortar mix designs shall conform to ASTM C 270 while grout shall conform to ASTM C 476. Material certificates shall be provided for the following: reinforcement; anchors, ties, fasteners, and metal accessories; masonry units; mortar and grout materials. Construction procedures for cold-weather or hot-weather construction shall be reviewed.
AS CONSTRUCTION BEGINS			(TABLE 4, TMS-602/ACI530-16)
Proportions of site-prepared mortar	ICC-SMSI	Periodic	Verify that mortar is of the type and color specified on the construction documents, that it conforms to ASTM C 270, and that it is mixed in accordance with Article 2.6 A of TMS-602.
PRIOR TO GROUTING			(TABLE 4, TMS-602/ACI530-16)
Grout space	ICC-SMSI	Periodic	Verify that grout space is free of mortar droppings, debris, loose aggregate, and other deleterious materials and that cleanouts are provided per Article 3.2 D and 3.2 F of TMS-602.
DURING MASONRY CONSTRUCTION			(TABLE 4, TMS-602/ACI530-16)
Size and location of structural elements	ICC-SMSI	Periodic	Verify the locations of structural elements with respect to the approved plans and confirm that tolerances meet the requirements of Article 3.3 F of TMS 602.
Materials and procedures with the approved submittals	ICC-SMSI	Periodic	Verify materials and construction procedures are in accordance with approved submittals per Article 1.5 of TMS-602
Placement of masonry units and mortar joint construction	ICC-SMSI	Periodic	Verify placement of masonry units and mortar joints are in accordance with Article 3/3B of TMS-602
Type, size, and location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction	ICC-SMSI	Periodic	Verify that correct anchorages and connections are provided per the approved plans and Sections 1.16.4.3 and 1.17.1 of TMS 402
Welding of reinforcement	ICC-SMSI AWS-CWI	Continuous	
Preparation, construction, and protection of masonry during cold weather (<40°F) or hot weather (>90°F).	ICC-SMSI	Periodic	Verify that cold-weather construction is performed in accordance with Article 1.8 C of TMS 602 and hot weather construction per Article 1.8 D of TMS 602.
Construction of mortar joints	ICC-SMSI	Periodic	Verify that mortar joints are placed in accordance with Article 3.3 B of TMS 602.

CONCRETE SPECIAL INSPECTION (IBC 1705.3 & 1705.12.1)

ITEM	REQUIRED QUALIFICATIONS	FREQUENCY	DETAILED INSTRUCTIONS
Reinforcing steel	ACI-CCI ICC-RCSI	Periodic	Verify prior to placing concrete that reinforcing is of specified type, grade and size; that it is free of oil, dirt and rust; that it is located and spaced properly; that hooks, bends, ties, stirrups and supplemental reinforcement are placed correctly; that lap lengths, stagger and offsets are provided; and that all mechanical connections are installed per the manufacturer's instructions and/or evaluation report.
Welding of reinforcing steel	AWS-CWI	Periodic	Visually inspect all welds and also verify weldability of reinforcing steel based upon carbon equivalent and in accordance with AWS D1.4.
Cast-in bolts & embeds	ACI-CCI ICC-RCSI	Periodic	Inspection of anchors or embeds cast in concrete is required when allowable loads have been increased or where strength design is used.
Post-installed anchors or dowels	ACI-CCI ICC-RCSI	Periodic	All post-installed anchors/dowels shall be specially inspected as required by the approved ICC-ES report. Horizontally or upwardly inclined anchors that resist sustained tension loads require continuous inspection and approved installers.
Use of required mix design	ACI-CCI ICC-RCSI	Periodic	Verify that all mixes used comply with the approved construction documents; ACI 318: Ch. 19, 26.4.3, 26.4.4; and IBC 1904.1, 1904.2, 1908.2, 1908.3.
Concrete sampling for strength tests, slump, air content, and temperature	ACI-CFTT ACI-SIT	Continuous	
Concrete placement	ACI-CCI ICC-RCSI	Continuous	
Curing temperature and techniques	ACI-CCI ICC-RCSI	Periodic	Verify that the ambient temperature for concrete is kept at > 50°F for at least 7 days after placement. High-early-strength concrete shall be kept at > 50°F for at least 3 days. Accelerated curing methods may be used (see ACI 318: 26.4.7-26.4.9). The ambient temperature for shotcrete shall be > 40°F for the same period of time as noted for concrete. Shotcrete shall be kept continuously moist for at least 24 hours after shotcreting. All concrete materials, reinforcement, forms, fillers, and ground shall be free from frost. In hot weather conditions ensure that appropriate measures are taken to avoid plastic shrinkage cracking and that the specified water/cement ratio is not exceeded.
Formwork		Periodic	Verify that the forms are placed plumb and conform to the shapes, lines, and dimensions of the members as required by the approved construction documents.

SOIL SPECIAL INSPECTION (IBC 1705.6)

ITEM	REQUIRED QUALIFICATIONS	FREQUENCY	DETAILED INSTRUCTIONS
SHALLOW FOUNDATIONS			(IBC 1705.6)
Verify subgrade	PE/GE	Periodic	Prior to placement of concrete inspect soils below footings for adequate bearing capacity and consistency with geotechnical report.
CONTROLLED STRUCTURAL FILL			(IBC 1705.6)
Excavations	PE/GE	Periodic	Verify excavations extend to proper depth and material prior to placement of compacted fill or concrete.
Fill materials	PE/GE	Periodic	Perform classification and testing of compacted fill materials. Check for proper classifications and gradations at each lift and not less than once for each 10,000ft² of surface area.
Placement and compaction		Continuous	Verify proper materials, densities and lift thicknesses during placement and compaction.
Subgrade preparation	PE/GE	Periodic	Verify that subgrade has been appropriately prepared prior to placing compacted fill.
Density		Continuous	Test density of each lift by nuclear methods (ASTM D2922).

STATEMENT OF SPECIAL INSPECTIONS

This *Statement of Special Inspections* is submitted as a condition for permit issuance in accordance with the Special Inspection and Structural Testing requirements of the Building Code. It includes a schedule of Special Inspection services applicable to this project as well as the name of the Special Inspection Coordinator and the identity of other approved agencies to be retained for conducting these inspections and tests. This *Statement of Special Inspections* encompass the following disciplines: Structural

The Special Inspection Coordinator shall keep records of all inspections and shall furnish inspection reports to the Building Official and the Registered Design Professional in Responsible Charge. Discovered discrepancies shall be brought to the immediate attention of the Contractor for correction. If such discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the Registered Design Professional in Responsible Charge. The Special Inspection program does not relieve the Contractor of his or her responsibilities.

The inspectors and testing agencies shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected or tested. Any conflict of interest must be disclosed to the Building Official, prior to commencing work.

Interim reports shall be submitted to the Building Official and the Registered Design Professional in Responsible Charge.
Interim Report Frequency: Within 72 hours of inspection, unless indicated otherwise.

A *Final Report of Special Inspections* documenting completion of all required Special Inspections, testing and correction of any discrepancies noted in the inspections shall be submitted prior to issuance of a Certificate of Use and Occupancy.

Job site safety and means and methods of construction are solely the responsibility of the Contractor.

The qualifications of all personnel performing Special Inspection and testing activities are subject to the approval of the Building Official. The credentials of all Inspectors and testing technicians shall be provided if requested.

Key for Minimum Qualifications of Inspection Agents:

When the Registered Design Professional in Responsible Charge deems it appropriate that the individual performing a stipulated test or inspection have a specific certification or license as indicated below, such designation shall appear below the *Agency Number* on the Schedule.

PE/SE Structural Engineer – a licensed SE or PE specializing in the design of building structures
PE/GE Geotechnical Engineer – a licensed PE specializing in soil mechanics and foundations
EIT Engineer-In-Training – a graduate engineer who has passed the Fundamentals of Engineering examination

American Concrete Institute (ACI) Certification
ACI-CFTT Concrete Field Testing Technician – Grade 1
ACI-CCI Concrete Construction Inspector
ACI-LTT Laboratory Testing Technician – Grade 1 & 2
ACI-STT Strength Testing Technician

American Welding Society (AWS) Certification
AWS-CWI Certified Welding Inspector
AWS/AISC-SSI Certified Structural Steel Inspector

American Society of Non-Destructive Testing (ASNT) Certification
ASNT Non-Destructive Testing Technician – Level II or III

International Code Council (ICC) Certification
ICC-SMSI Structural Masonry Special Inspector
ICC-SWSI Structural Steel and Welding Special Inspector
ICC-SFSI Spray-Applied Fireproofing Special Inspector
ICC-PCSI Prestressed Concrete Special Inspector
ICC-RCSI Reinforced Concrete Special Inspector

National Institute for Certification in Engineering Technologies (NICET)
NICET-CT Concrete Technician – Levels I, II, III & IV
NICET-ST Soils Technician - Levels I, II, III & IV
NICET-GET Geotechnical Engineering Technician - Levels I, II, III & IV

Exterior Design Institute (EDI) Certification
EDI-EIFS EIFS Third Party Inspector

Quality Assurance Plans

Quality Assurance for Seismic Resistance
Seismic Design Category: B
Quality Assurance Plan Required: No

Quality Assurance for Wind Requirements
Allowable Stress Design Wind Speed V_{asd} (3 second gust): 110 mph
Basic Wind Speed V_{ult} (3 second gust): 130 mph
Wind Exposure Category: C
Quality Assurance Plan Required: No

Statement of Responsibility
Each contractor responsible for the construction or fabrication of a system or component designated above must submit a Statement of Responsibility.

Prepared by:

BRETT A. ROBINSON, P.E. / Signature Date

Owner's Authorization:

Signature Date

Building Official's Acceptance:

Signature Date

SCHEDULE OF INSPECTION AND TESTING AGENCIES

SPECIAL INSPECTION AGENCIES	FIRM	ADDRESS, TELEPHONE, E-MAIL
Special Inspection Coordinator	TBD	
Inspector	TBD	
Inspector	TBD	
Testing Agency	TBD	
Testing Agency	TBD	
Continuous	TBD	
Other	TBD	

Structural Observations
The following structural observations will be made to visually observe representative locations of structural systems, details, and load paths for general conformance to the approved construction documents. The Contractor shall notify the Engineer a minimum of 5 working days before work is ready to be observed to allow scheduling of site visit.

1. FOUNDATIONS
   A. Grade Beams: Observation of layout and reinforcement placement near the start of operation.
   B. Footings: Observation of layout and reinforcement placement near the start of operation.
   C. Foundation Walls: Observation of layout and reinforcement placement near the start of operation.
2. CONCRETE
   A. Walls: Observation of reinforcement placement near the start of operation.
3. MASONRY
   A. Walls: Observation of layout, control joint placement, and reinforcement placement near the start of operation.
4. STEEL FRAMING
   A. Elevated Floors: Observation of steel deck, headed anchor studs, and slab reinforcement prior to first slab-on-metal deck placement.

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Town of Parker
SALISBURY PARK NORTH - PHASE 1
11700 MOTSENBOCKER RD
PARKER, CO 80134

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ARCHITECTURE

LANDSCAPE ARCHITECTURE

PLANNING

INTERIOR DESIGN

Δ	DATE	DESCRIPTION

Project Number: 223072.00
Sheet Issue Date: 2024-11-22
Drawn By: LB
Checked By: BAR

Key Map

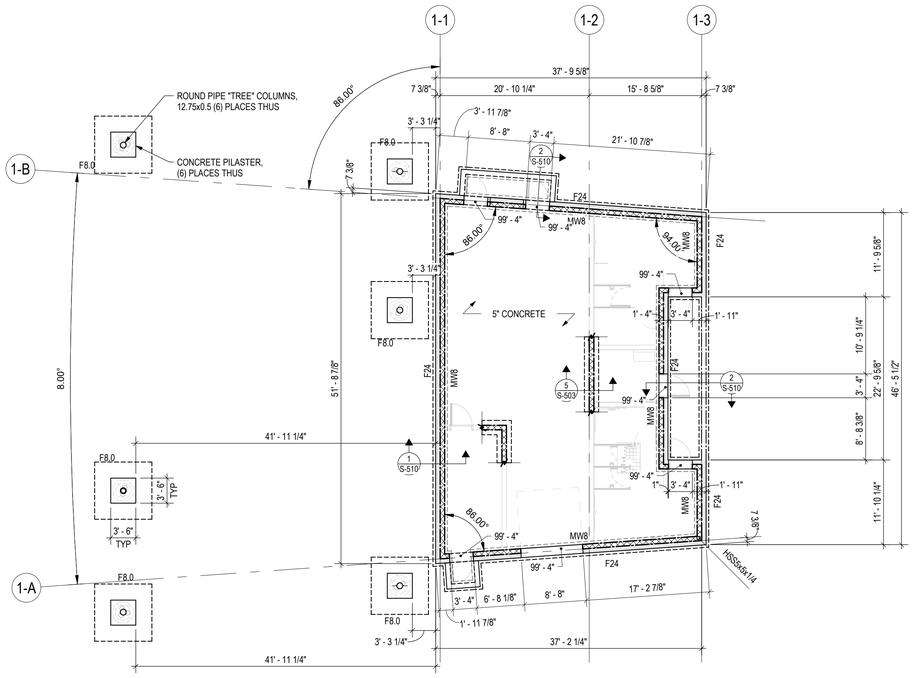
Drawing

IBC 2021 STATEMENT OF SPECIAL INSPECTION

S-003

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COMMUNITY HUB PAVILION FOUNDATION

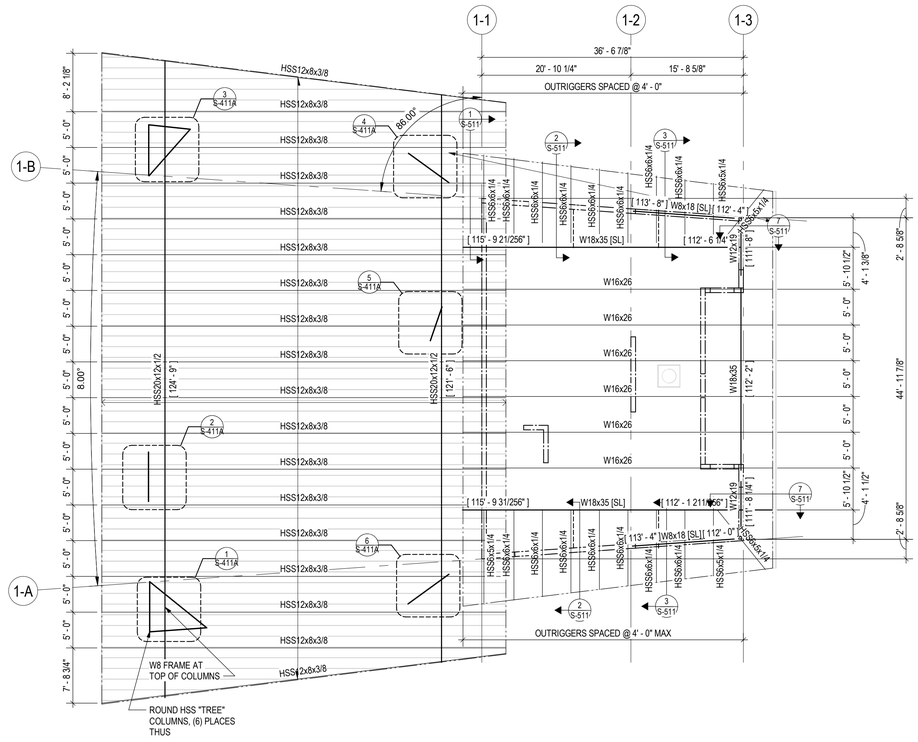
1" = 10'-0"

NORTH

TYPICAL EXTERIOR STEMWALL & FOOTING:
CONTINUOUS 1'-3 WIDE x 2'-0 DEEP CONCRETE STEMWALL REINFORCED W/ CONTINUOUS (2) #5 TOP & BOTTOM, CONTINUOUS F24 FOOTING CENTERED BELOW W/ #4 DOWELS PROJECTING INTO STEMWALL @ 16"

FOOTING NOTES:
- CENTER FOOTINGS UNDER STEMWALLS, PILASTERS, & COLUMNS, TYPICAL UNLESS NOTED OTHERWISE
- FOOTING WIDTHS SHALL NOT VARY IN THE FIELD FROM SIZE NOTED; OVERSIZE FOOTINGS ARE NOT ALLOWED
- LAPPED BOARD FORMING NOT ALLOWED
- TRENCH FORMING NOT ALLOWED

TYPICAL INTERIOR SLAB ON GRADE:
5" THICK CONCRETE SLAB ON UNDISTURBED NATURAL SOILS OR COMPACTED STRUCTURAL FILL PER SOILS REPORT; REINFORCE SLAB W/ #4 @ 16", EA WAY, AT MID-DEPTH; ADD (2) #4 x 5'-0 DIAGONAL BARS AT MID-DEPTH OF SLAB AT ALL RE-ENTRANT CORNERS. PROVIDE SAWCUT OR FORMED CONTROL JOINTS, PER 8/S-500, @ 12'-0± IN EACH DIRECTION. JOINTS SHALL BE CONTINUOUS, NOT STAGGERED OR OFFSET. ASPECT RATIO SHALL BE A MAXIMUM OF 1.5 TO 1.



COMMUNITY HUB PAVILION ROOF PLAN

1" = 10'-0"

NORTH

TYPICAL ROOF DECK:
1 1/2" DEEP x 22 GAGE STEEL DECK (VULCRAFT TYPE 1.5B22) WITH 5/8" PUDDLE WELDS @ 12" (36/4) AT INTERMEDIATE SUPPORTS & EDGES AND #10 SDST SCREWS @ 12" AT SIDELAP CONNECTIONS. STEEL DECK SHALL BE CONTINUOUS OVER THREE OR MORE SUPPORTS.

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PARKER, CO 80134

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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

Δ	DATE	DESCRIPTION

Project Number:	223072.00
Sheet Issue Date:	2024-11-22
Drawn By:	DJM
Checked By:	BAR

Key Map

Drawing
COMMUNITY HUB FOUNDATION & ROOF PLANS

S-111A

SITE PLAN SUBMITTAL

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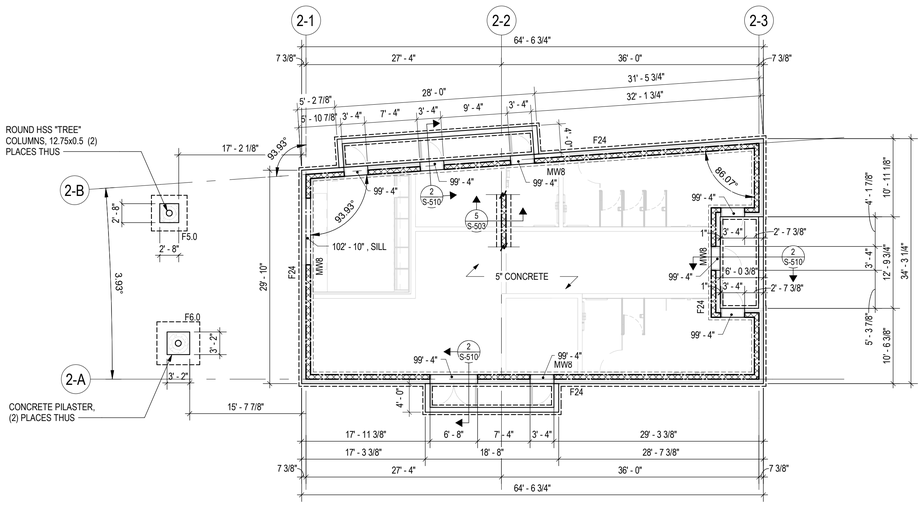
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CONCESSIONS & RESTROOMS FOUNDATION PLAN

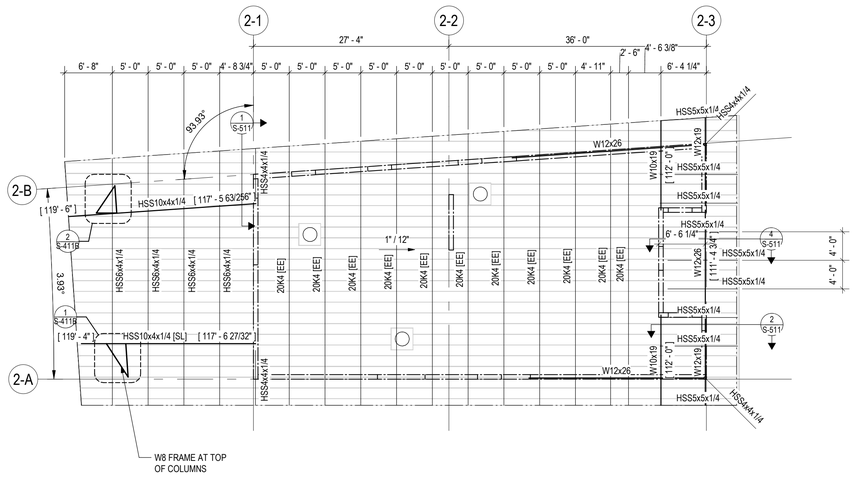
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CONCESSIONS & RESTROOMS ROOF PLAN

1" = 10'-0"

NORTH

OPEN WEB STEEL ROOF JOIST NOTES:
- K SERIES JOIST END BEARING SEAT DEPTH = 2 1/2", TYPICAL
- K SERIES JOISTS SPACED @ 5'-0 (MAX)
- LH SERIES JOIST END BEARING SEAT DEPTH = 5", TYPICAL
- LH SERIES JOISTS SPACED @ 10'-0 (MAX)
- '(EE)' INDICATES JOISTS WITH EXTENDED ENDS

TYPICAL ROOF DECK:
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CONCESSIONS & RESTROOM FOUNDATION & ROOF PLANS

S-111B

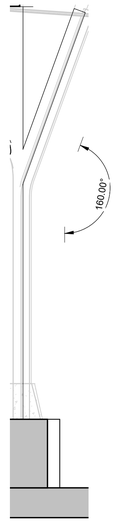
SITE PLAN SUBMITTAL

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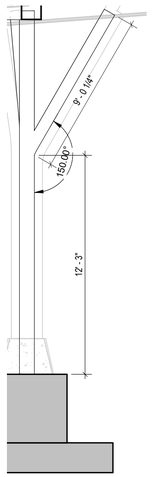
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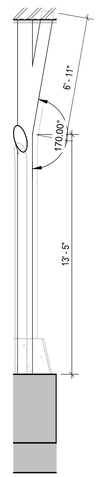
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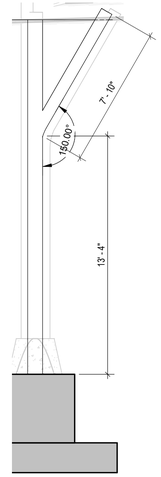
14 S-411A SECTION - A8 COLUMN
1/4" = 1'-0"



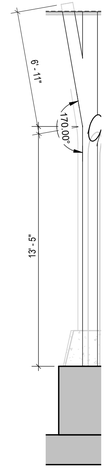
15 S-411A SECTION - A9 COLUMN
1/4" = 1'-0"



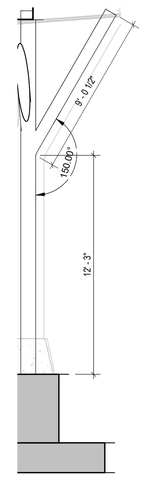
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1/4" = 1'-0"



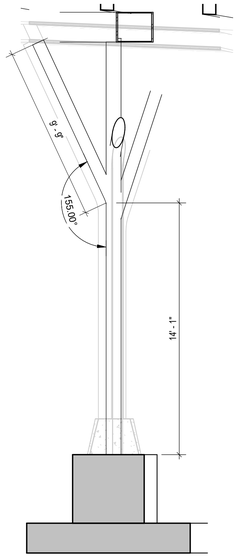
17 S-411A SECTION - A11 & A12 COLUMNS
1/4" = 1'-0"



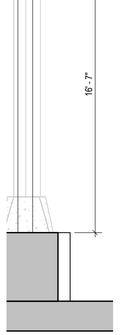
18 S-411A SECTION - A13 COLUMN
1/4" = 1'-0"



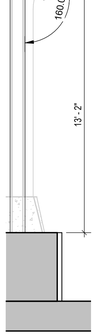
19 S-411A SECTION - A14 COLUMN
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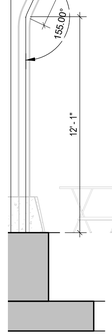
7 S-411A SECTION - A1 COLUMN
1/4" = 1'-0"



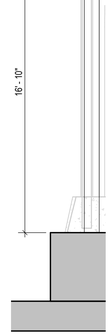
8 S-411A SECTION - A2 COLUMN
1/4" = 1'-0"



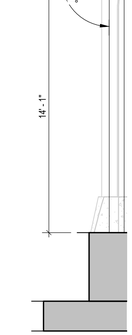
9 S-411A SECTION - A3 COLUMN
1/4" = 1'-0"



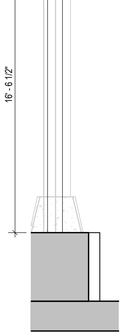
10 S-411A SECTION - A4 COLUMN
1/4" = 1'-0"



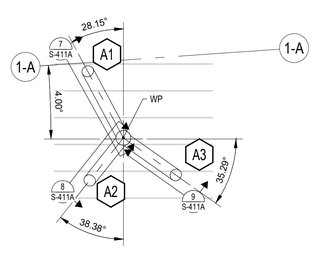
11 S-411A SECTION - A5 COLUMN
1/4" = 1'-0"



12 S-411A SECTION - A6 COLUMN
1/4" = 1'-0"

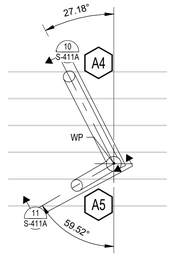


13 S-411A SECTION - A7 COLUMN
1/4" = 1'-0"

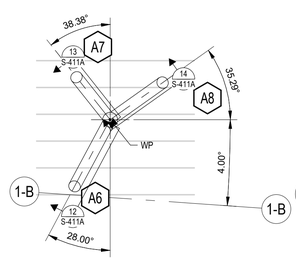


1 S-411A COLUMN PLAN 1
1/4" = 1'-0"

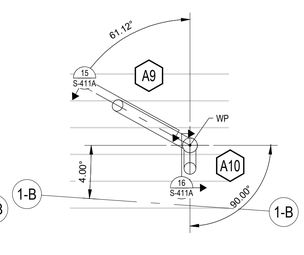
0 1' 2' 4' 8'



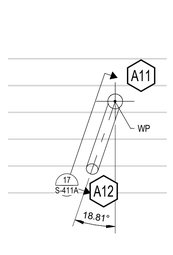
2 S-411A COLUMN PLAN 2
1/4" = 1'-0"



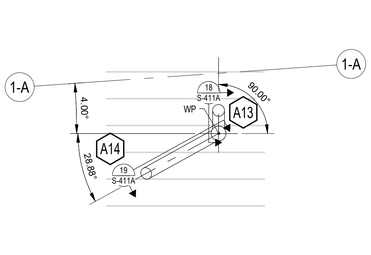
3 S-411A COLUMN PLAN 3
1/4" = 1'-0"



4 S-411A COLUMN PLAN 4
1/4" = 1'-0"



5 S-411A COLUMN PLAN 5
1/4" = 1'-0"



6 S-411A COLUMN PLAN 6
1/4" = 1'-0"

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COMMUNITY HUB COLUMN PLANS & SECTIONS

S-411A

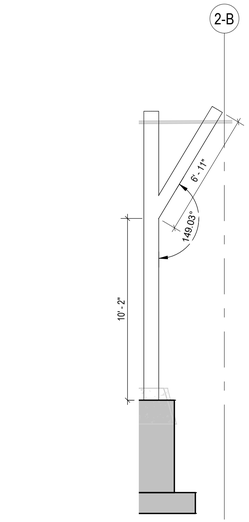
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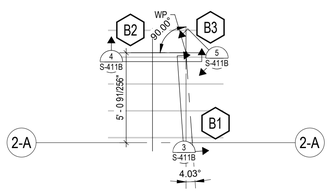
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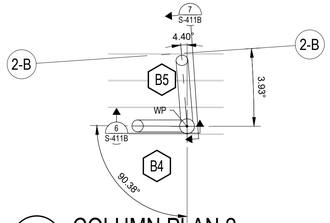
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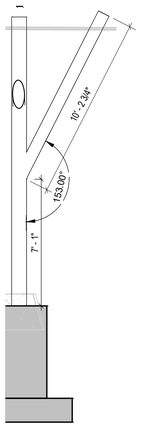
7 S-411B **SECTION - B5 COLUMN**
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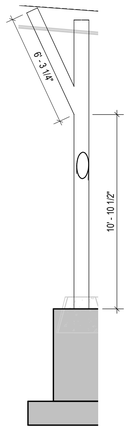
1 S-411B **COLUMN PLAN 1**
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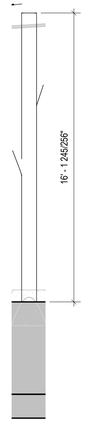
2 S-411B **COLUMN PLAN 2**
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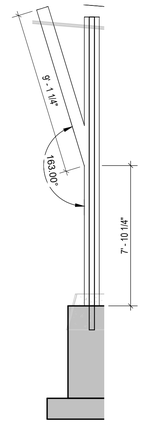
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1/4" = 1'-0"



4 S-411B **SECTION - B2 COLUMN**
1/4" = 1'-0"



5 S-411B **SECTION - B3 COLUMN**
1/4" = 1'-0"



6 S-411B **SECTION - B4 COLUMN**
1/4" = 1'-0"

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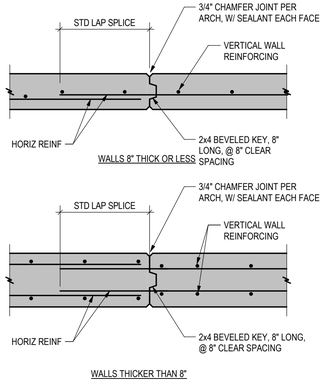
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CONCESSIONS & RESTROOMS COLUMN PLANS & SECTION

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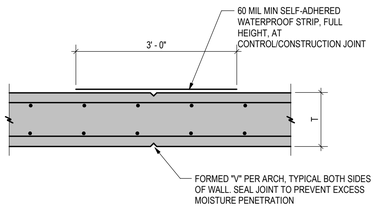
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5 S-500 TYP CONC VERT JOINT IN WALL

3/4" = 1'-0"

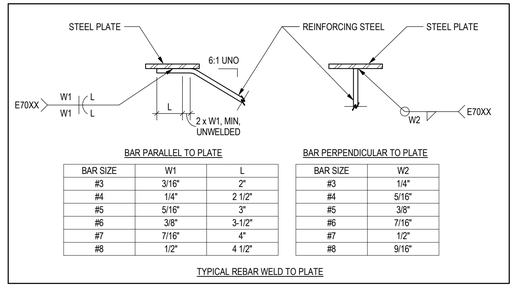


1. PROVIDE FULL-HEIGHT VERTICAL "V" GROOVE CONTROL JOINTS.
   JOINT SPACING = 3 X WALL HEIGHT FOR WALLS <= 8'-0 HIGH.
   JOINT SPACING = WALL HEIGHT FOR WALLS >= 12'-0 HIGH.
   JOINT SPACING NOT TO EXCEED 25'-0.
   DEPTH OF GROOVE = T / 8.

2. LOCATION AND DETAIL OF JOINTS SHALL BE APPROVED BY THE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO PLACING CONCRETE

6 S-500 TYP CONC VERT JOINT IN SITE WALL

3/4" = 1'-0"



BAR PARALLEL TO PLATE

BAR SIZE	W1	L
#3	3/16"	2"
#4	1/4"	2 1/2"
#5	5/16"	3"
#6	3/8"	3-1/2"
#7	7/16"	4"
#8	1/2"	4 1/2"

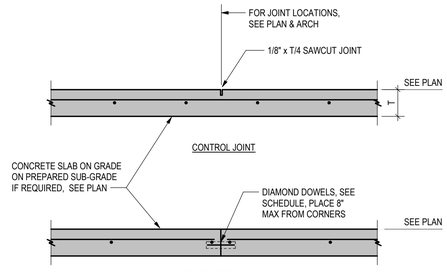
BAR PERPENDICULAR TO PLATE

BAR SIZE	W2
#3	1/4"
#4	5/16"
#5	3/8"
#6	7/16"
#7	1/2"
#8	9/16"

TYPICAL REBAR WELD TO PLATE

7 S-500 TYP REINFORCING WELD DETAILS

3/4" = 1'-0"



DOWEL SIZE & SPACING AT CONSTRUCTION JOINTS		
SLAB DEPTH (INCHES)	DOWEL DIMENSIONS (INCHES)	DOWEL SPACING (INCHES)
5 TO 6	1/4 x 4-1/2 x 4-1/2	18
7 TO 8	3/8 x 4-1/2 x 4-1/2	18
9 TO 11	3/4 x 4-1/2 x 4-1/2	20

8 S-500 TYP REINF SLAB ON GRADE JOINTS

3/4" = 1'-0"

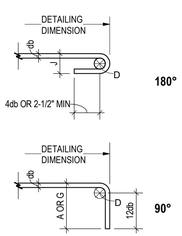
TYPICAL CONCRETE REINFORCING LAP & EMBEDMENT LENGTHS (UNO)							
		f'c = 3000 PSI		f'c = 4000 PSI		f'c = 5000 PSI	
BAR SIZE	TYPE	TOP BAR	OTHER BAR	TOP BAR	OTHER BAR	TOP BAR	OTHER BAR
#4	EMBED	29	22	25	19	22	17
	LAP	37	29	32	25	29	22
#5	EMBED	36	28	31	24	28	22
	LAP	47	36	40	31	36	28
#6	EMBED	43	33	37	29	33	26
	LAP	56	43	48	37	43	33
#7	EMBED	63	48	54	42	49	37
	LAP	81	63	70	54	63	49
#8	EMBED	72	55	62	48	55	43
	LAP	93	72	80	62	72	55
#9	EMBED	81	62	70	54	63	48
	LAP	105	81	91	70	81	63
#10	EMBED	91	70	79	61	70	54
	LAP	118	91	102	79	91	70
#11	EMBED	101	78	87	67	78	60
	LAP	131	101	113	87	101	78

NOTES:
1. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF FRESH CONCRETE CAST BELOW BAR
2. TABULATED VALUES ARE BASED ON GRADE 60 NON-EPOXY-COATED REINFORCING BARS AND NORMAL WEIGHT CONCRETE
3. VALUES ARE IN INCHES

1 S-500 TYP CONC EMBED & LAP

NO SCALE

STANDARD HOOKS

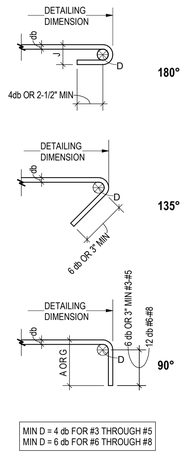


MIN D = 6 db FOR #3 THROUGH #8
MIN D = 8 db FOR #9, #10, AND #11

	STANDARD HOOKS		STIRRUPS & TIE HOOKS	
BAR SIZE	180° (J)	90° (A OR G)	180° (J)	90° (A OR G)
#3	3"	6"	2 1/4"	4 1/8"
#4	4"	8"	3"	4 1/2"
#5	5"	10"	3 3/4"	5 5/8"
#6	6"	1'-0	6"	1'-0
#7	7"	1'-2	7"	1'-2
#8	8"	1'-4	8"	1'-4
#9	11 3/4"	1'-7		
#10	1'-1 1/4	1'-10		
#11	1'-2 3/4	2'-0		

ALL GRADES OF STEEL
D = FINISHED INSIDE BEND DIAMETER
db = NOMINAL BAR DIAMETER

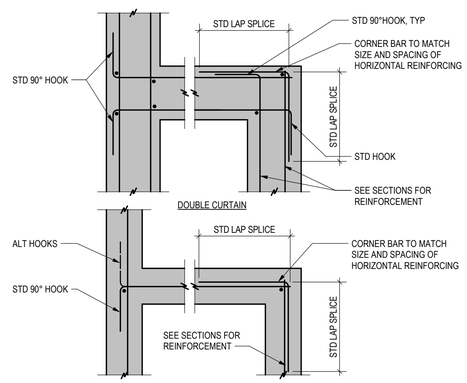
STIRRUP & TIE HOOKS



MIN D = 4 db FOR #3 THROUGH #5
MIN D = 6 db FOR #6 THROUGH #8

2 S-500 TYP CONC HOOKS & STIRRUPS

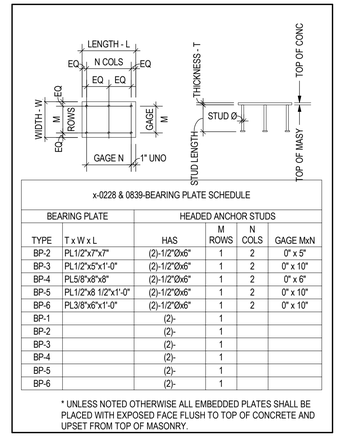
NO SCALE



3 S-500 TYP CONC WALL INTERSECTIONS

3/4" = 1'-0"

0 6" 1' 2' 3'



x-0228 & 0839-BEARING PLATE SCHEDULE

BEARING PLATE		HEADED ANCHOR STUDS			
TYPE	T x W x L	HAS	M ROWS	N COLS	GAGE M x N
BP-2	PL1/2"x7"x7"	(2)-1/2"Ø x6"	1	2	0" x 5"
BP-3	PL1/2"x5"x1'-0"	(2)-1/2"Ø x6"	1	2	0" x 10"
BP-4	PL5/8"x8"x8"	(2)-1/2"Ø x6"	1	2	0" x 6"
BP-5	PL1/2"x8 1/2"x1'-0"	(2)-1/2"Ø x6"	1	2	0" x 10"
BP-6	PL3/8"x6"x1'-0"	(2)-1/2"Ø x6"	1	2	0" x 10"
BP-1		(2)-	1		
BP-2		(2)-	1		
BP-3		(2)-	1		
BP-4		(2)-	1		
BP-5		(2)-	1		
BP-6		(2)-	1		

* UNLESS NOTED OTHERWISE ALL EMBEDDED PLATES SHALL BE PLACED WITH EXPOSED FACE FLUSH TO TOP OF CONCRETE AND UPSET FROM TOP OF MASONRY.

4 S-500 TYP BEARING PL DETAIL & SCHEDULE

3/4" = 1'-0"

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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

Δ	DATE	DESCRIPTION

Project Number:	223072.00
Sheet Issue Date:	2024-11-22
Drawn By:	LB
Checked By:	BAR

Key Map

Drawing
TYPICAL CONCRETE DETAILS

S-500

SITE PLAN SUBMITTAL

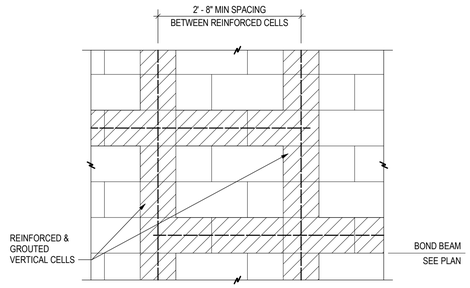
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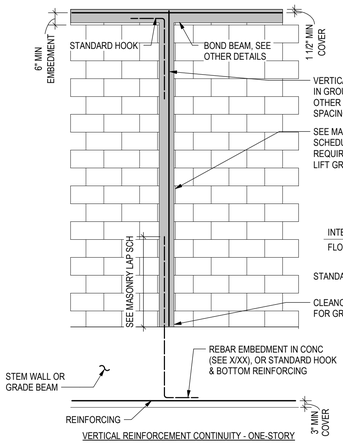
THE LINE SHOWN ABOVE IS 1" WHEN PLOTTED AT FULL SIZE ON ENGINEERING D SHEETS ORIGINAL PAGE SIZE

THE SQUARES ABOVE ARE COLOR WITH BLACK AND WHITE LEVELS, IF PHOTO CORRECT

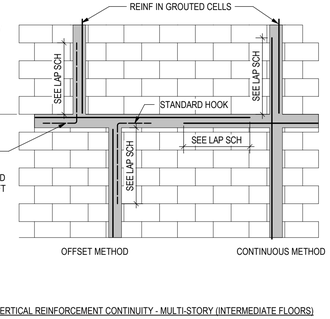
K Y M C



TYPICAL WHERE BOND BEAMS OVERLAP AT DIFFERENT HEIGHTS:
OVERLAP BOND BEAM REINFORCEMENT FROM ONE REINFORCED & GROUTED VERTICAL CELL TO THE NEXT ADJACENT REINFORCED & GROUTED VERTICAL CELL



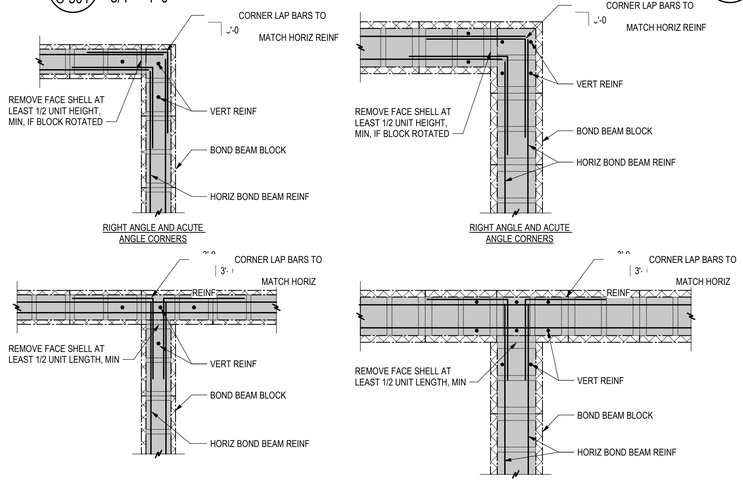
VERTICAL REINFORCEMENT CONTINUITY - ONE-STORY



VERTICAL REINFORCEMENT CONTINUITY - MULTI-STORY (INTERMEDIATE FLOORS)

8 S-501 TYP CMU BOND BEAM LAP

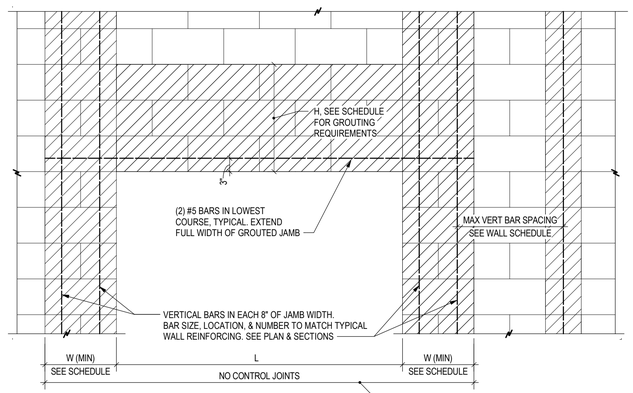
3/4" = 1'-0"



9 S-501 TYP CMU WALL CONTINUITY

3/8" = 1'-0"

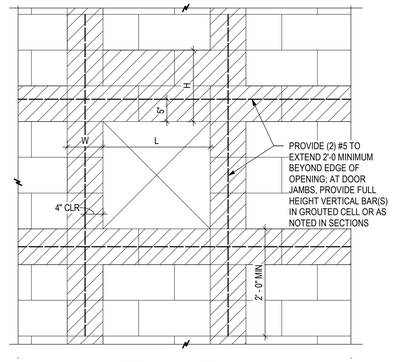
TYPICAL MASONRY LINTELS OVER 4'-1 (UNO)		
L (OPENING WIDTH)	H (HEIGHT OF SOLID GROUTED LINTEL)	W (SOLID GROUTED JAMB WIDTH)
4'-1 TO 6'-0	2'-0	1'-4
6'-1 TO 10'-0	3'-4	2'-0



TYPICAL CMU LINTEL

NOTE:
MASONRY CONTROL JOINTS MAY NOT OCCUR AT LINTEL OR JAMB LOCATIONS. SEE ARCH FOR JOINT LOCATIONS. CONTRACTOR TO CONTACT JVA IF JOINTS OCCUR AT LINTELS OR JAMBS

TYPICAL MASONRY LINTELS UP TO 6'-0 (UNO)		
L (OPENING WIDTH)	H (HEIGHT OF SOLID GROUTED LINTEL)	W (SOLID GROUTED JAMB WIDTH
UP TO 4'-0	1'-4	8"
4'-1 TO 6'-0	2'-0	1'-4

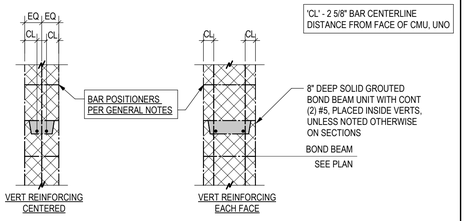


TYPICAL CMU WALL OPENING

5 S-501 TYP CMU WALL INTERSECTIONS

3/4" = 1'-0"

TYPICAL CMU WALL/REINFORCING ASSEMBLIES



STRUCTURAL MASONRY WALL SCHEDULE

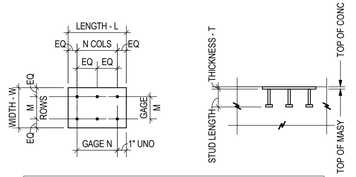
MASONRY WALL SCHEDULE		
MARK	WIDTH	VERT REINF
MW8	7 5/8"	#5 @ 32"

1. VERTICAL REINFORCING INSTALLED FULL HEIGHT IN SOLID GROUTED VERTICAL CELLS AT SPACING SHOWN AND LOCATED AT OPENING JAMBS, VERTICAL CONTROL JOINTS (AS IN 6/S-501 & 7/S-501), WALL ENDS, CORNERS, AND INTERSECTIONS
2. STANDARD LADDER-TYPE CONTINUOUS HORIZONTAL JOINT REINFORCING VERTICALLY @ 16" UNLESS OTHERWISE NOTED
3. ADD BOND BEAMS AT ALL FLOOR AND ROOF ELEVATIONS AS NOTED IN SECTIONS AND AT ALL TOP OF WALL LOCATIONS, MAXIMUM VERTICAL SPACING = 8'-0.

MASONRY LAP SPLICE LENGTH SCHEDULE

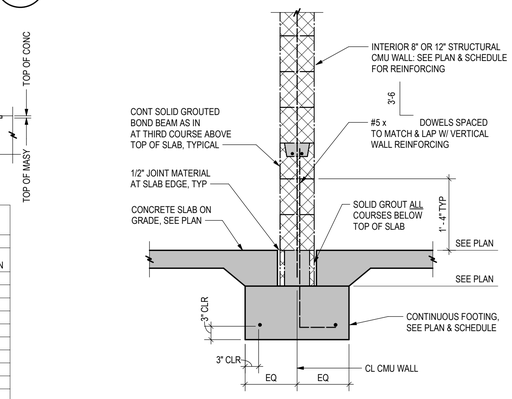
	REINFORCING AT FACE		REINFORCING CENTERED			
BAR SIZE	CL	8" CMU & GREATER	6" CMU	8" CMU	10" CMU	12" CMU & GREATER
#3	2 5/8"	18"	18"	18"	18"	18"
#4	2 5/8"	24"	24"	24"	24"	24"
#5	2 5/8"	30"	30"	30"	30"	30"
#6	2 5/8"	54"	0" NP	36"	36"	36"
#7	2 5/8"	63"	0" NP	46"	42"	42"
#8	2 5/8"	0" CR	0" NP	0" NP	54"	48"
#9	2 5/8"	0" CR	0" NP	0" NP	0" CR	57"

NOTES:
1. REINFORCING STEEL fy = 60,000 PSI
2. MASONRY f'm = 2,000 PSI
3. DISTANCE FROM FACE OF MASONRY TO BAR CENTERLINE NOTED AS 'CL'
4. MECHANICAL COUPLER REQUIRED WHERE NOTED 'C' 'CR'
5. BAR SIZE NOT PERMITTED WHERE NOTED 'C' 'NP'
6. USE MECHANICAL COUPLER WHERE REQUIRED LAP LENGTH EXCEEDS GROUT LIFT HEIGHT
7. FOR EPOXY COATED BARS MULTIPLY TABLE VALUES BY 1.5
8. OPEN END MASONRY UNITS MAY BE USED AT VERTICAL REINFORCING LOCATIONS
9. WALL BRACING DESIGN AND IMPLEMENTATION SHALL BE BY CONTRACTOR



x-0228 & 0839-BEARING PLATE SCHEDULE

BEARING PLATE		HEADED ANCHOR STUDS			
TYPE	T x W x L	HAS	M ROWS	N COLS	GAGE MxN
BP-2	PL1/2"x7"x7"	(2)-1/2"Øx6"	1	2	0" x 5"
BP-3	PL1/2"x5"x1'-0"	(2)-1/2"Øx6"	1	2	0" x 10"
BP-4	PL5/8"x5"x8"	(2)-1/2"Øx6"	1	2	0" x 6"
BP-5	PL1/2"x8 1/2"x1'-0"	(2)-1/2"Øx6"	1	2	0" x 10"
BP-6	PL3/8"x6"x1'-0"	(2)-1/2"Øx6"	1	2	0" x 10"
BP-1		(2)-	1		
BP-2		(2)-	1		
BP-3		(2)-	1		
BP-4		(2)-	1		
BP-5		(2)-	1		
BP-6		(2)-	1		



1 S-501 TYP CMU WALL/REINF ASSEMEBLIES & SCHEDULE

3/4" = 1'-0"

0 6" 1' 2' 3'

2 S-501 TYP CMU MASONRY LAP SPLICE LENGTH & SCHEDULE

NO SCALE

3 S-501 TYP CMU BEARING PLATE

3/4" = 1'-0"

4 S-501 TYP CMU FOUNDATION AT INTERIOR LOAD BEARING WALLS

3/4" = 1'-0"

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INTERIOR DESIGN

Δ	DATE	DESCRIPTION

Project Number:	223072.00
Sheet Issue Date:	2024-11-22
Drawn By:	LB
Checked By:	BAR

Key Map

Drawing
TYPICAL CMU DETAILS

S-501

SITE PLAN SUBMITTAL
Page 247 of 311

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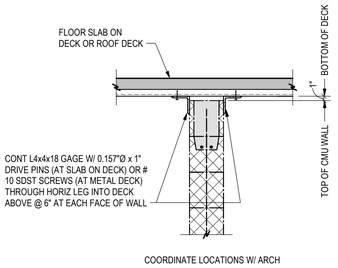
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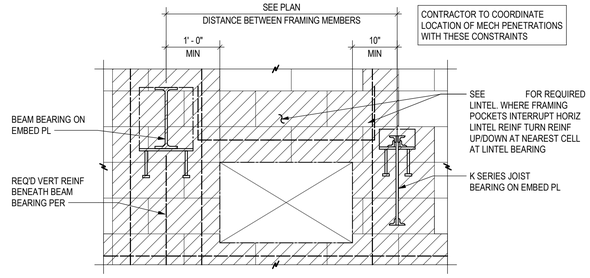
1 2 3 4 5

THE LINE SHOWN ABOVE IS EXACTLY 1" WHEN PLOTTED AT FULL SIZED SHEETS ORIGINAL PAGE SIZE

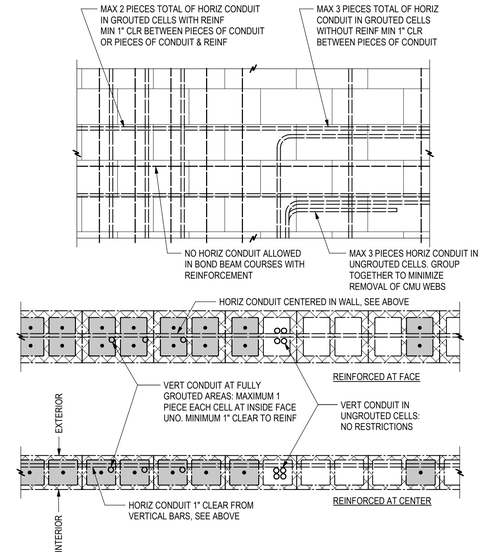
THE SQUARES ABOVE ARE COLOR WITH BLACK AND WHITE LETTERS, IF PRINTED CORRECTLY



COORDINATE LOCATIONS W/ ARCH

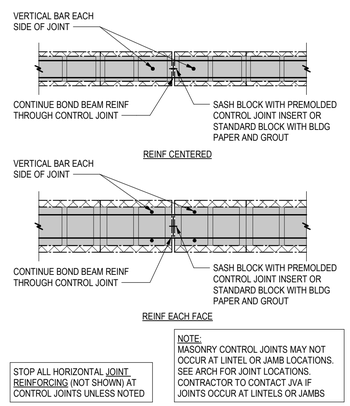


(APPLICABLE FOR PENETRATIONS 5'-0 WIDE OR LESS)



5 S-502 TYP CMU FULL HEIGHT PARTITION BRACING DETAIL

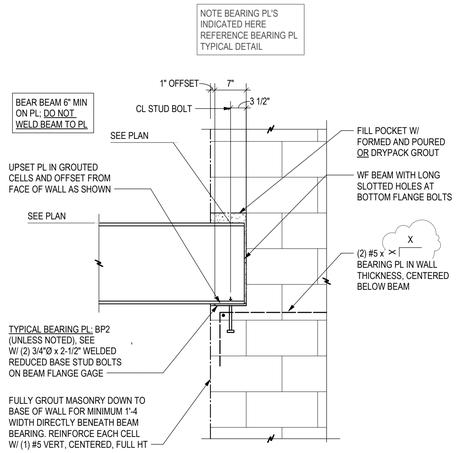
3/4" = 1'-0"



SEE ARCH DRAWINGS FOR LOCATIONS

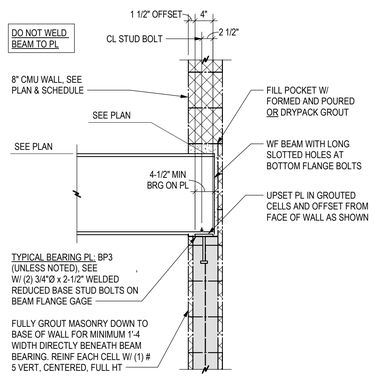
6 S-502 TYP CMU SPACING CONSTRAINTS OF MECH PENETRATIONS TO ROOF/FLOOR BEARING ON STRUCTURE

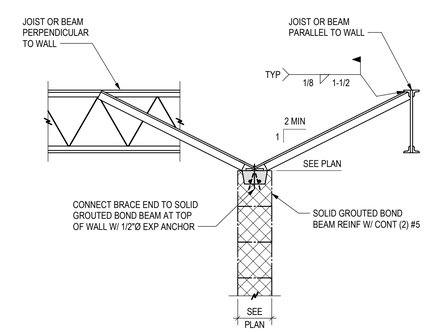
3/4" = 1'-0"



7 S-502 TYP CMU CONDUIT PLACEMENT IN WALL

3/4" = 1'-0"





BRACE ALL MASONRY PARTITIONS WHEN HORIZONTAL LENGTH OF WALL EXCEEDS 12'-0 BETWEEN CORNERS AND CROSS WALLS. BRACE AT FREESTANDING ENDS OF WALLS.

1 S-502 TYP CMU VERT CONTROL JOINT IN WALL

3/4" = 1'-0"

0 6" 1' 2' 3'

2 S-502 TYP CMU BEAM BEARING ON PARALLEL WALL END

3/4" = 1'-0"

3 S-502 TYP CMU BEAM BRG ON PERPENDICULAR WALL

3/4" = 1'-0"

4 S-502 TYP CMU NON-LOAD BEARING PARTITION BRACING

3/4" = 1'-0"

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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

Δ	DATE	DESCRIPTION

Project Number:	223072.00
Sheet Issue Date:	2024-11-22
Drawn By:	LB
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Key Map

Drawing
TYPICAL CMU DETAILS

S-502

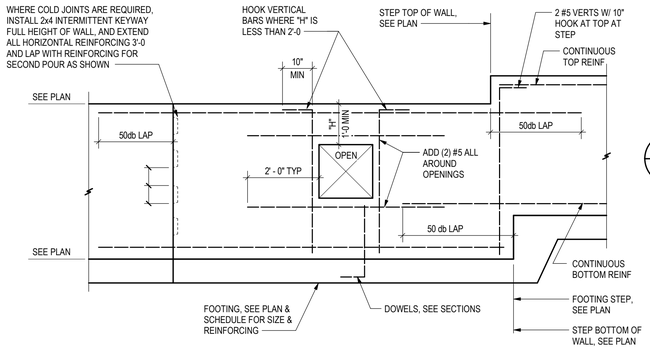
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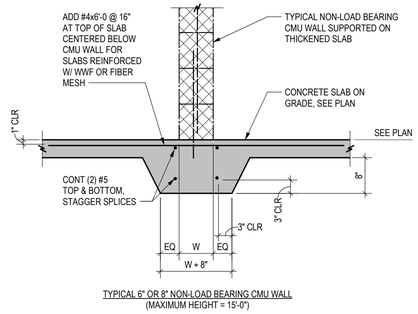


8 S-503 TYP CONC REINF AT STEPS & OPENINGS

1/2" = 1'-0"

0 6" 1' 2' 4'

1. REINFORCE WITH #4 VERTICALS CENTERED IN WALL IN GROUTED CELLS AT CORNERS, JAMBS, WALL INTERSECTIONS, AND @ 6'-0 MAXIMUM
2. DOWEL WALL TO SLAB WITH #4 x 2'-4 DOWELS IN EPOXY FILLED HOLES (4" EMBED) LOCATE DOWELS TO MATCH VERTICAL BAR SPACING IN WALL
3. PROVIDE MASONRY LINTEL OVER WALL OPENINGS PER
4. PROVIDE CONTINUOUS HORIZONTAL JOINT REINFORCING @ 16"
5. BRACE TOP OF PARTITIONS PER &
6. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND EXTENT OF PARTITIONS AND CONTROL JOINTS



TYPICAL 6" OR 8" NON-LOAD BEARING CMU WALL (MAXIMUM HEIGHT = 15'-0")

5 S-503 TYP CONC NON-LOAD BEARING CMU PARTITIONS

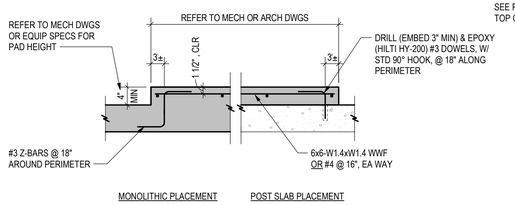
3/4" = 1'-0"

WALL FOOTING SCHEDULE				
MARK	WIDTH	THICKNESS	REINFORCING	COMMENTS
F16	1' - 4"	1' - 0"		
F24	2' - 0"	1' - 0"		

FOOTING NOTES:
1. CENTER FOOTINGS UNDER STEMWALLS, PILASTERS, & COLUMNS, TYPICAL UNLESS NOTED OTHERWISE
2. FOOTING WIDTHS SHALL NOT VARY IN THE FIELD FROM SIZE NOTED; OVERSIZE FOOTINGS ARE NOT ALLOWED
3. LAPPED BOARD FORMING NOT ALLOWED
4. TRENCHFORMING NOT ALLOWED

12 S-503 CONTINUOUS WALL FOOTING SCHEDULE

NO SCALE



MONOLITHIC PLACEMENT POST SLAB PLACEMENT

6 S-503 DETAIL

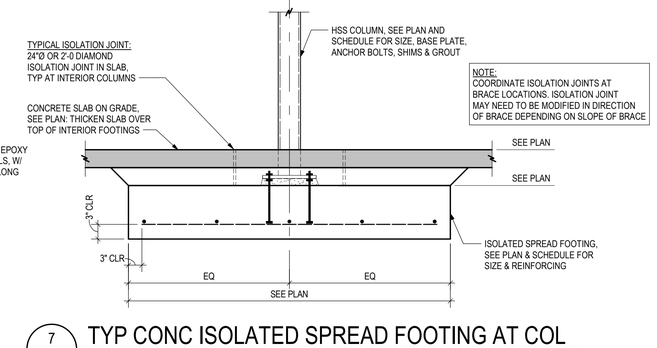
3/4" = 1'-0"

ISOLATED FOOTING SCHEDULE					
MARK	WIDTH	LENGTH	THICKNESS	REINFORCING	COMMENTS
F4.0	4' - 0"	4' - 0"	1' - 0"		
F5.0	5' - 0"	5' - 0"	1' - 2"		
F6.0	6' - 0"	6' - 0"	1' - 4"		
F8.0	8' - 0"	8' - 0"	1' - 8"		

FOOTING NOTES:
1. * MATCH BOTTOM REINFORCING AT TOP OF FOOTING PER XXXX INDICATED THUS ' ► ' ON PLAN
2. ** SEE XXXX FOR INCREASE FOOTING THICKNESS REQUIREMENT WHEN FOOTING SUPPORTS BRACED BAY COLUMN INDICATES THUS ► ' ON PLAN
3. CENTER FOOTINGS UNDER STEMWALLS, PILASTERS, & COLUMNS, TYPICAL UNLESS NOTED OTHERWISE
4. FOOTING WIDTHS SHALL NOT VARY IN THE FIELD FROM SIZE NOTED; OVERSIZE FOOTINGS ARE NOT ALLOWED
5. LAPPED BOARD FORMING NOT ALLOWED
6. TRENCHFORMING NOT ALLOWED

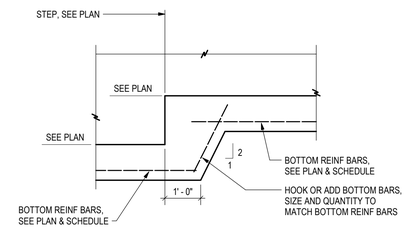
13 S-503 ISOLATED FOOTING SCHEDULE

NO SCALE



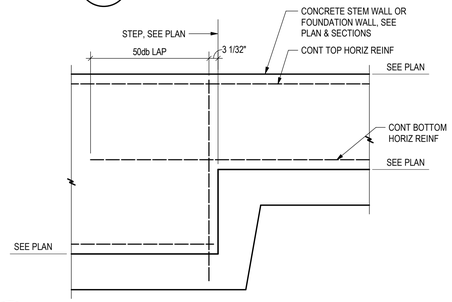
7 S-503 TYP CONC ISOLATED SPREAD FOOTING AT COL

3/4" = 1'-0"



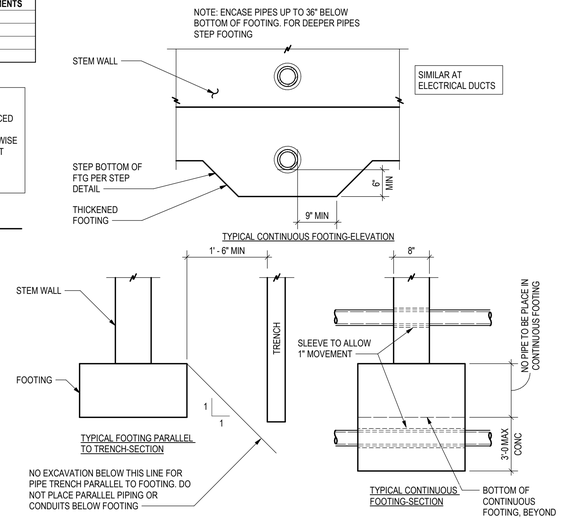
9 S-503 TYP CONC FOOTING STEP

1/2" = 1'-0"



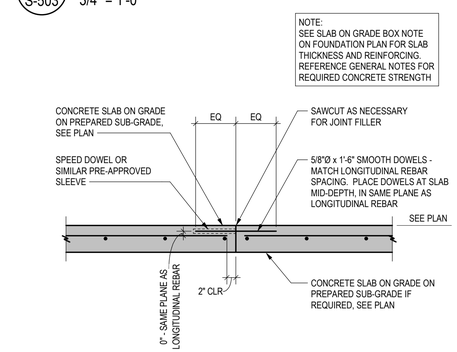
10 S-503 TYP CONC STACKED STEP IN STEM WALL

1/2" = 1'-0"



11 S-503 TYP CONC PIPING AT FOOTING

3/4" = 1'-0"

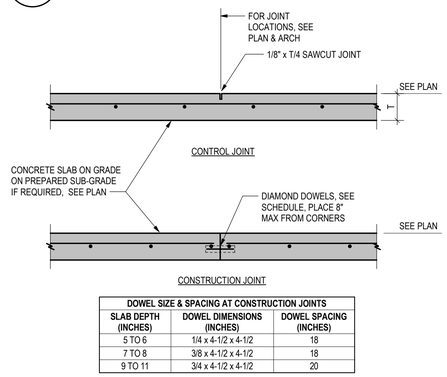


CONSTRUCTION JOINT

1 S-503 TYP JOINT AT INTERIOR SLAB ON GRADE

3/4" = 1'-0"

0 6" 1' 2' 3'

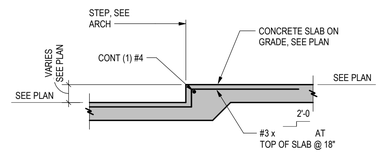


CONSTRUCTION JOINT

DOWEL SIZE & SPACING AT CONSTRUCTION JOINTS		
SLAB DEPTH (INCHES)	DOWEL DIMENSIONS (INCHES)	DOWEL SPACING (INCHES)
5 TO 6	1/4 x 4-1/2 x 4-1/2	18
7 TO 8	3/8 x 4-1/2 x 4-1/2	18
9 TO 11	3/4 x 4-1/2 x 4-1/2	20

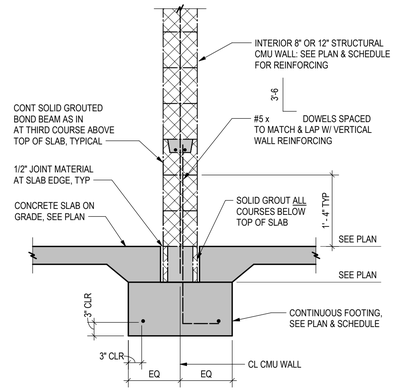
2 S-503 SCHEDULE

3/4" = 1'-0"



3 S-503 DETAIL

3/4" = 1'-0"



4 S-503 DETAIL

3/4" = 1'-0"

1 2 3 4 5

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TYPICAL FOUNDATION DETAILS

S-503

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K Y M C

D

C

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A

1 2 3 4 5

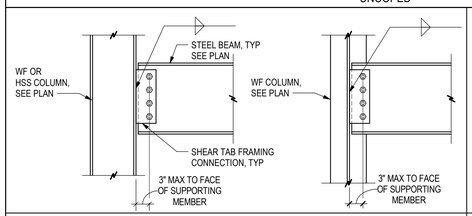
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STL BEAM SHEAR TAB CONNECTION SCHEDULE - 3/4"Ø BOLTS (LRFD)

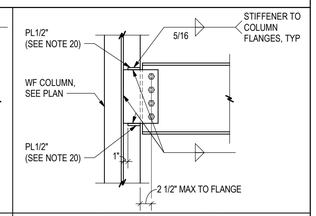
BEAM SIZE	# OF 3/4"Ø BOLT ROWS	SHEAR TAB THICKNESS x LENGTH, SEE NOTE #14	FILLET WELD SIZE	CONNECTION CAPACITY -ØRn (KIPS)				REMARKS
				UNCOPED	SINGLE COPE 1	SINGLE COPE 2	DOUBLE COPE	
W8	2	3/8"x6"	1/4"	24.8	12.7	N/A	7.1	
W10	2	3/8"x6"	1/4"	24.8	20.1	N/A	7.9	
W12*	3	3/8"x9"	1/4"	43.4	32.6	15.5	18.7	
W14	3	3/8"x9"	1/4"	43.4	43.4	29.2	25.0	
W16**	4	3/8"x12"	1/4"	62.5	62.5	43.4	41.5	
W18	4	3/8"x12"	1/4"	62.5	62.5	62.5	62.5	
W21	5	3/8"x15"	1/4"	81.3	81.3	81.3	81.3	
W24	6	3/8"x18"	1/4"	100.0	100.0	100.0	100.0	
W27	7	3/8"x21"	1/4"	118.0	118.0	118.0	118.0	
W30	8	3/8"x24"	1/4"	137.0	137.0	137.0	137.0	
W33	9	3/8"x27"	1/4"	155.0	155.0	155.0	155.0	
W36	10	3/8"x30"	1/4"	173.0	173.0	173.0	173.0	
W40	11	3/8"x33"	1/4"	190.0	190.0	190.0	190.0.	

1. DESIGN BASIS OF SCHEDULE BASED ON AISC 14TH EDITION (ASD).
2. MINIMUM YIELD STRESS FY: PLATES - 36 KSI, W-SHAPES - 50 KSI, HSS SHAPES - 46 KSI.
3. MINIMUM TENSILE STRESS, FU: PLATES - 58 KSI, W-SHAPES - 65 KSI, HSS SHAPES - 58 KSI.
4. MINIMUM EDGE DISTANCE: VERTICAL EDGE DISTANCE Lev = 1 1/2", HORIZONTAL EDGE DISTANCE Leh = 1 1/2"
5. MINIMUM HSS WALL THICKNESS = 1/4"
6. ALL WELDS ARE TO USE E70XX ELECTRODES.
7. ALL BOLTS ARE TO BE A325-N BEARING TYPE BOLTS, EXCEPT CONNECTIONS DESIGNATED AS 'SC' ON PLANS ARE TO BE CLASS 'A' SLIP-CRITICAL JOINTS WITH F1852 TENSION-CONTROL BOLTS. NOTE THAT VALUES LISTED DO NOT APPLY TO THE SLIP-CRITICAL CONNECTIONS.
8. A325-N BOLTS ARE TO BE FULLY THREADED BEARING TYPE CONNECTIONS AND ARE TO BE INSTALLED TO A 'SNUG-TIGHT' CONDITION AS DEFINED IN THE AISC MANUAL OF STEEL CONSTRUCTION, UNLESS NOTED OTHERWISE.
9. STANDARD HOLES ARE TO BE PROVIDED IN SUPPORTED WEB.
10. SHORT-SLOTTED HOLES TO BE PROVIDED IN SHEAR TAB PLATES, UNLESS NOTED OTHERWISE.
11. BOLT SPACING = 3".
12. BEAM WEB DEPTH FOR DOUBLE COPE CONDITION MUST BE GREATER THAN OR EQUAL TO SHEAR TAB PLATE LENGTH. COPE BEAM ACCORDINGLY. (2" MAXIMUM AT W8-W24 AND 3" MAXIMUM AT W24-W40).
13. DETAILER TO INFORM ENGINEER OF COPE CONDITIONS NOT COMPLYING WITH CONDITIONS SHOWN IN DETAILS BELOW.
14. FOR SKEWED SHEAR TAB PLATE CONNECTIONS. WELD DETAILS ARE TO FOLLOW TABLE 10-14C, AISC 14TH EDITION.
15. SEE DETAILS BELOW FOR ADDITIONAL DETAILING REQUIREMENTS. THE CONNECTION ENGINEER IS TO BE NOTIFIED OF ANY FRAMING CONDITION WHICH DOES NOT MEET THE CRITERIA PROVIDED IN THIS SCHEDULE.
16. * PROVIDE 2 BOLTS WITH 6" LONG SHEAR TAB PLATE FOR W12 BEAM AT 'SINGLE COPE 2" CONDITION ONLY.
17. ** PROVIDE 3 BOLTS WITH 9" LONG SHEAR TAB PLATE FOR W16 BEAM AT 'SINGLE COPE 2" CONDITION ONLY.
18. N/A INDICATES CONDITION WHERE CONNECTION FRAMING TYPES OUTLINED IN THIS SCHEDULE TO NOT APPLY.
19. FOR ANY COLUMNS LARGER THAN A W18, THE ALTERNATE BEAM TO COLUMN WEB EXTENDED PLATE CONNECTION IS NOT APPLICABLE.
20. AT THE FOLLOWING COLUMNS PROVIDE 3/4" STIFFENER PLATES TOP AND BOTTOM AT THE ALTERNATE BEAM TO COLUMN WEB EXTENDED PLATE CONNECTION: W8X13, W8X15, W10X26, W10X30, W14X43, W14X48, W14X53, W16X57, W18X65 AND W18X71.

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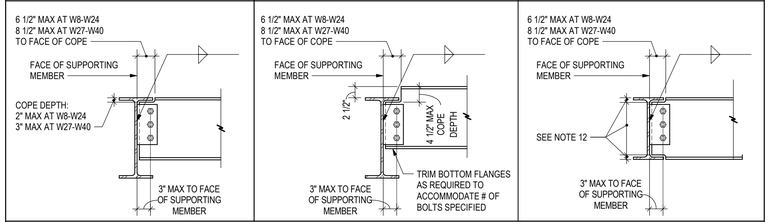


TYPICAL BEAM-TO-COLUMN CONNECTIONS



ALTERNATE BEAM-TO-COLUMN WEB EXTENDED PLATE CONNECTION (SEE NOTE 19 & 20)

SINGLE COPE 1 | SINGLE COPE 2 | DOUBLE COPE

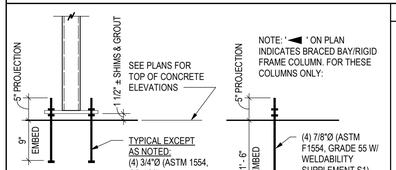


TYPICAL BEAM-TO-BEAM CONNECTIONS

ENGINEER NOTES:
1. *REVIEW AND IMPLEMENT PRE-ESTABLISHED SUPPORTING CALCULATION PACKAGE VERIFYING CONNECTION CAPACITIES PRESENTED*

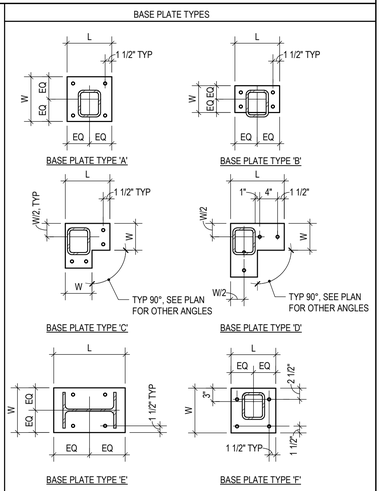
4 S-504 SCHEDULE
3/4" = 1'-0"

BASE PLATE SCHEDULE



BASE PLATE SCHEDULE					
MARK	TYPE	LENGTH	WIDTH	THICKNESS	COMMENTS
BPA	A	1' - 0"	1' - 0"	3/4"	
BPB	B	1' - 0"	10"	3/4"	
BPC	C	1' - 2"	1' - 0"	1"	

BASE PLATE TYPES



1 S-504 TYP STL BASE PLATE TYPES & SCHEDULE
NO SCALE

COLUMN SCHEDULE

TYPICAL COLUMN MARKS:

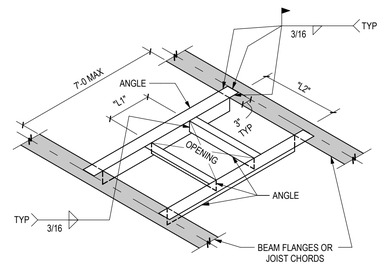
CXX OR CXXX

HSS COLUMN WALL THICKNESS IN 16ths OF AN INCH (EXAMPLE: '5' INDICATES 5/16" WALL THICKNESS, '10' INDICATES 5/8", ETC...)

SQUARE OR RECTANGULAR HSS COLUMN SIZE (EXAMPLE: '6' INDICATES HSS6x6, '75' INDICATES HSS7x5)

STEEL COLUMN SCHEDULE	
MARK	STEEL COLUMN SCHEDULE
C44	HSS4x4x1/4
C54	HSS5x5x1/4

2 S-504 TYP STL COL MARKS & SCHEDULE
NO SCALE



"L1" OR "L2 (USE LARGER VALUE)	ANGLE SIZES	REMARKS
UP TO 1'-0	NONE REQUIRED	
UP TO 3'-0	L3-1/2x3-1/2x1/4	
UP TO 5'-0	L5x3x1/4 (LLV)	
UP TO 7'-0	L6x4x5/16 (LLV)	

- USE ABOVE FRAMING AT ALL FLOOR & ROOF OPENINGS WHERE EITHER "L1" OR "L2" EXCEEDS 1'-0 , UNLESS NOTED OTHERWISE
- VERIFY WITH ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF ALL OPENINGS

3 S-504 TYP STL AT FLOOR/ROOF OPENING
3/4" = 1'-0"

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Key Map

Drawing
TYPICAL STEEL DETAILS

S-504

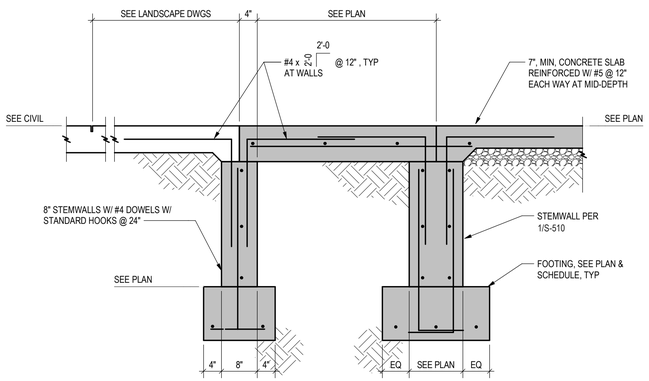
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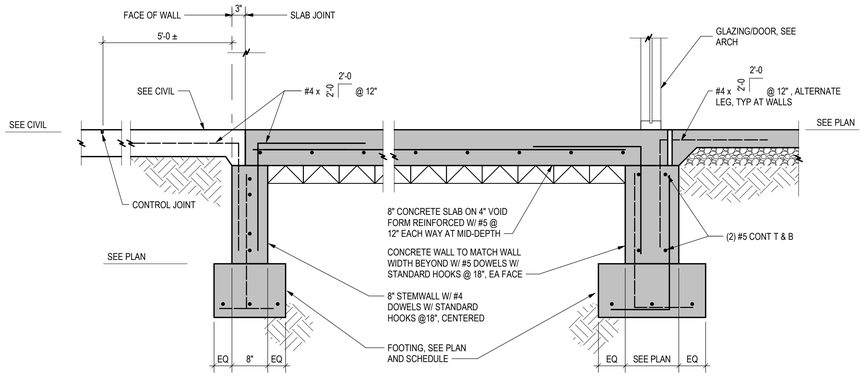
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1 S-510 SECTION
3/4" = 1'-0"



2 S-510 SECTION
3/4" = 1'-0"



3 S-510 SECTION
3/4" = 1'-0"

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S-510

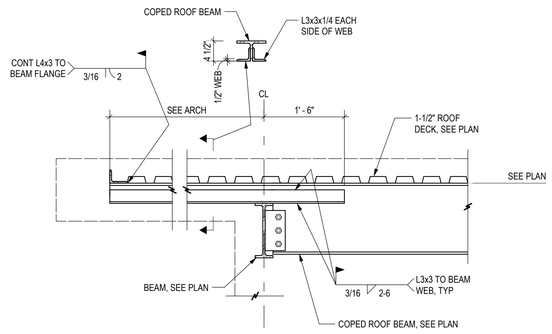
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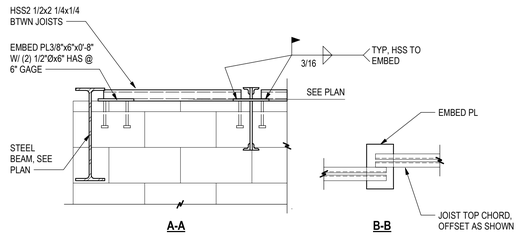
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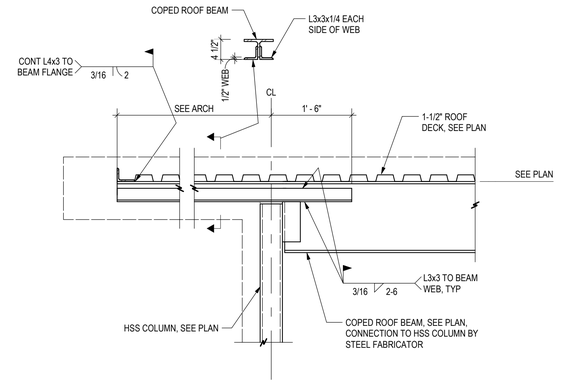
THE SQUARES ABOVE ARE COLOR WITH BLACK AND WHITE LETTERS, IF PRINTED CORRECTLY

K Y M C

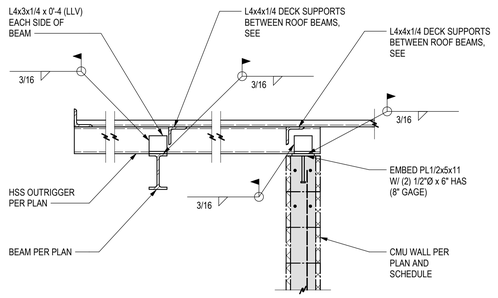


7 S-511 SECTION
3/4" = 1'-0"

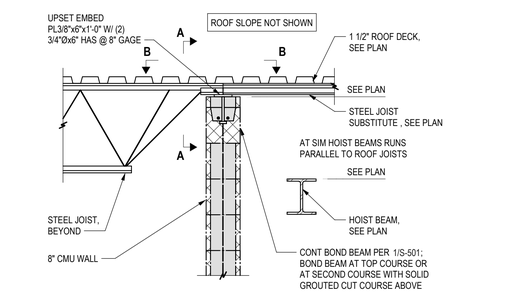




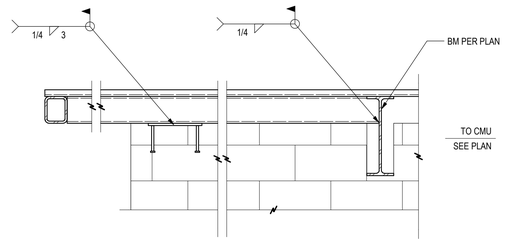
6 S-511 SECTION
3/4" = 1'-0"



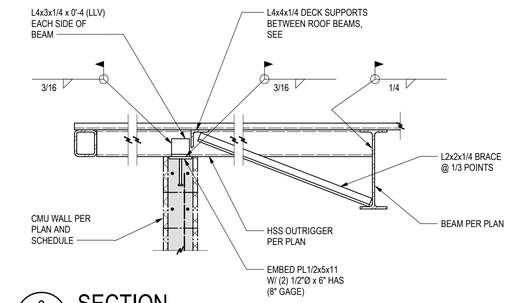
4 S-511 SECTION
3/4" = 1'-0"



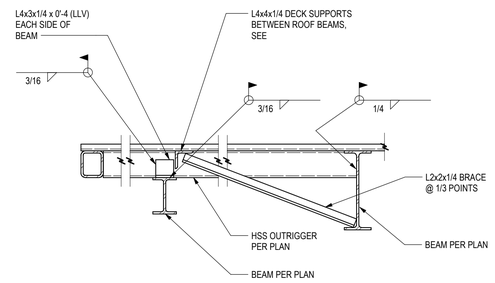
5 S-511 SECTION
3/4" = 1'-0"



1 S-511 OUTRIGGER AT CMU WALL
3/4" = 1'-0"



2 S-511 SECTION
3/4" = 1'-0"



3 S-511 SECTION
3/4" = 1'-0"

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Checked By:	Checker

Key Map

Drawing
ROOF DETAILS

S-511

SITE PLAN SUBMITTAL

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FINISH SYMBOL LEGEND

XXX WALL FINISH SYMBOL

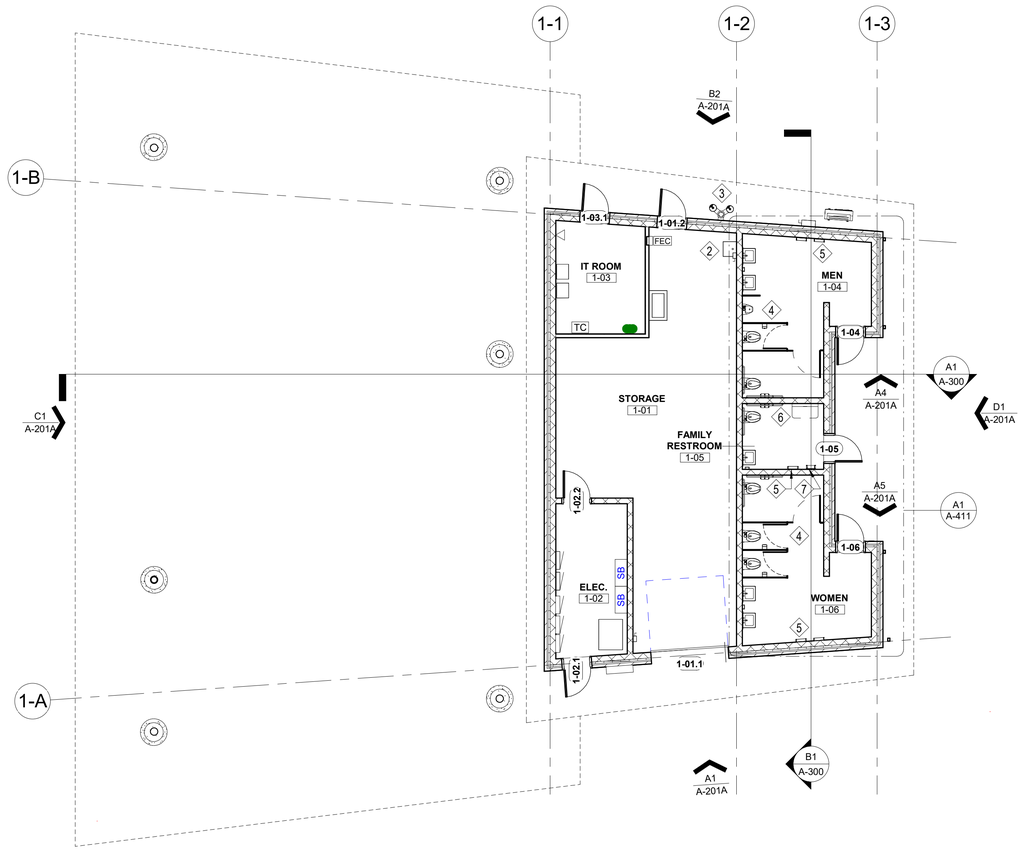
SHEET NOTE SYMBOL

FLOOR PLAN GENERAL NOTES

1. REFER TO FINISH PLANS FOR INTERIOR ELEVATION CALLOUTS.
2. PROVIDE PAINTED ACCESS PANELS IN WALLS & GYPSUM BOARD CEILINGS AT CONCEALED ITEMS (VALVES, CONTROLS, SWITCHES, AND ANY OTHER ITEM THAT REQUIRES ACCESS. COORDINATE LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
3. AT GANG TOILETS AND SINGLE OCCUPANT TOILET ROOMS, SET FLOOR DRAINS IN A 24" HAND TROWELED DEPRESSION WITH DRAIN ASSEMBLY IN CENTER OF DEPRESSION, 1/4" BELOW SURROUNDING TOP OF SLAB ELEVATION; SLOPE FLOOR AT DEPRESSION SO AS NOT TO HAVE DRAINS DIRECTLY UNDER LEGS OF TOILET PARTITIONS.
4. VERIFY & COORDINATE ALL REQUIREMENTS FOR OWNER FURNISHED ITEMS PRIOR TO PERFORMANCE OF WORK.
5. REFER TO A-511 FOR ASSEMBLY TYPE TAGS SHOWN ON PLANS CORRESPONDING WITH EXTERIOR WALL AND ROOF ASSEMBLIES.

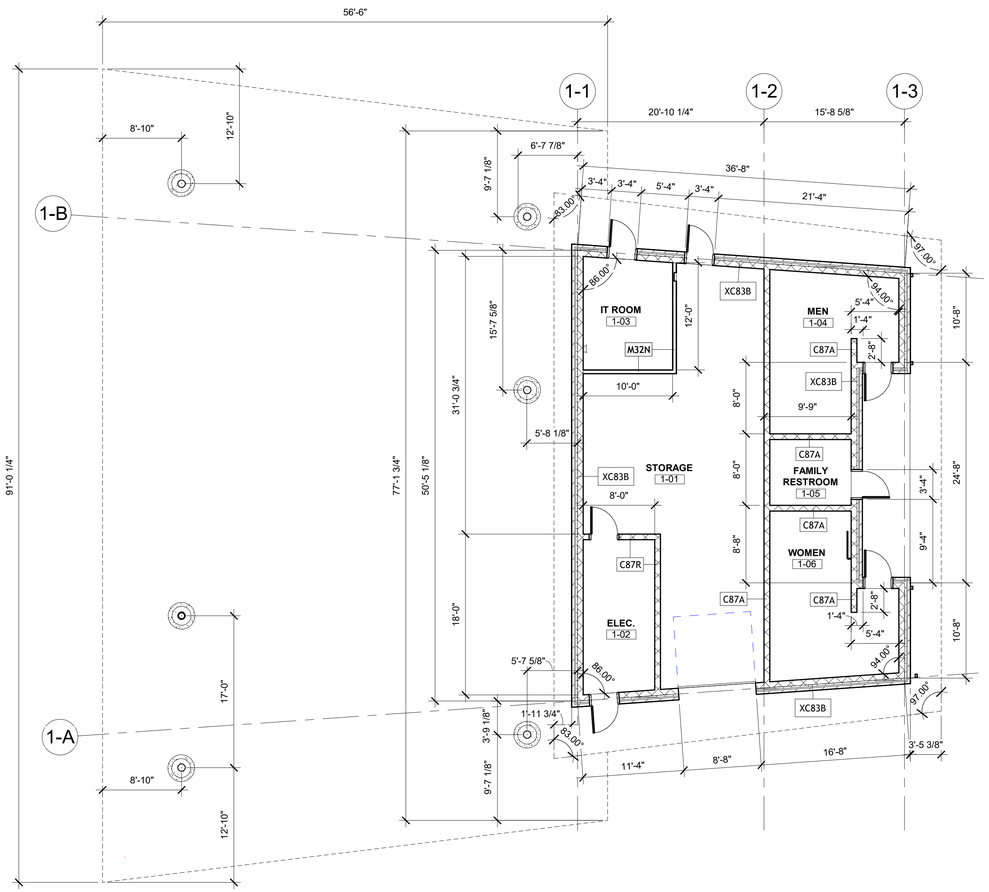
SHEET NOTES - CONSTRUCTION PLANS

NOTE #	NOTE
1	NOT USED
2	MOP SINK
3	HI-LO DRINKING FOUNTAIN AND WATER BOTTLE FILLER
4	TOILET PARTITIONS
5	ELECTRIC HAND DRYER
6	CHILD CHANGING TABLE
7	CHILD PROTECTION SEAT
8	MOTORIZED ADULT CHANGING TABLE



A1 COMMUNITY HUB BUILDING - FLOOR PLAN - PHASE 1

A-111A 1/8" = 1'-0"



A3 COMMUNITY HUB BUILDING - DIMENSION FLOOR PLAN - PHASE 1

A-111A 1/8" = 1'-0"

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Key Map

Drawing

COMMUNITY HUB - FLOOR PLANS

A-111A

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Page 253 of 311

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FINISH SYMBOL LEGEND

XXX WALL FINISH SYMBOL

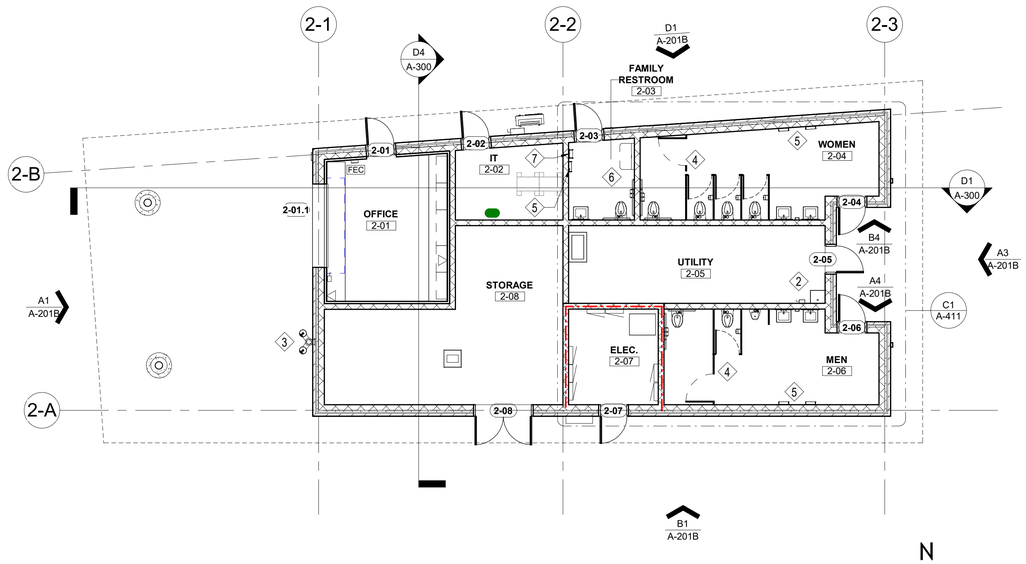
SHEET NOTE SYMBOL

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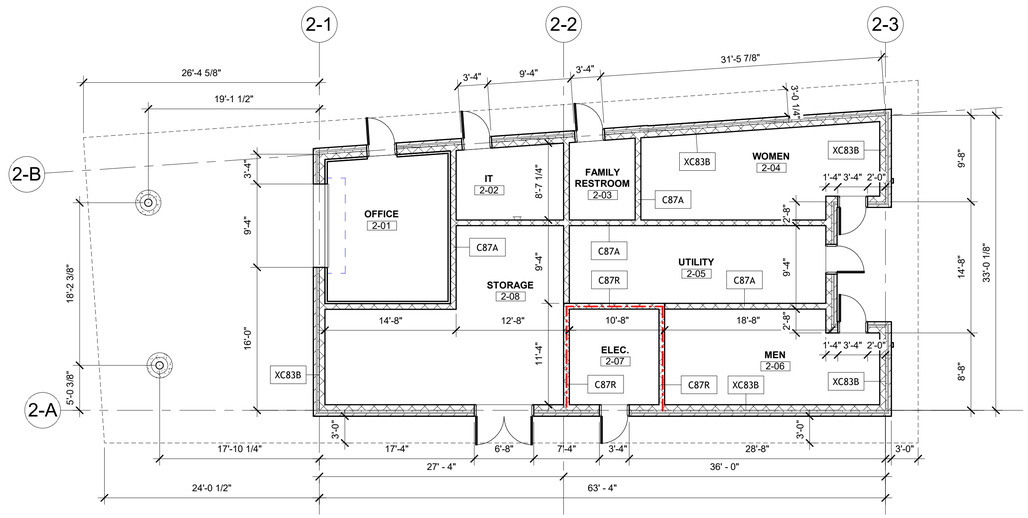
SHEET NOTES - CONSTRUCTION PLANS

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4	TOILET PARTITIONS
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7	CHILD PROTECTION SEAT
8	MOTORIZED ADULT CHANGING TABLE



A1 HEADQUARTERS & RESTROOM BUILDING - FLOOR PLAN
A-111B 1/8" = 1'-0"

N



A3 HEADQUARTERS & RESTROOM BUILDING - DIMENSION FLOOR PLAN
A-111B 1/8" = 1'-0"

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Key Map

Drawing
HEADQUARTERS & RESTROOM - FLOOR PLANS

A-111B

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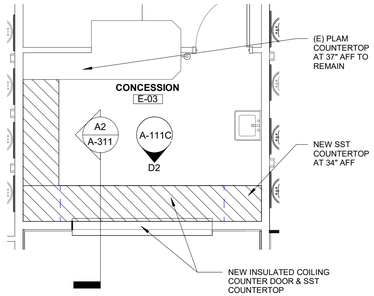
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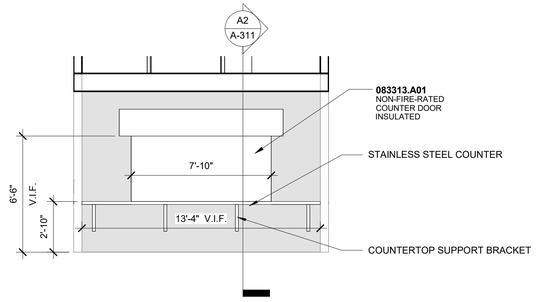
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D1 EXISTING CONCESSIONS BUILDING - FLOOR PLAN

A-111C A-111C 1/4" = 1'-0"



D2 EXISTING CONCESSIONS - SOUTH ELEVATION

A-111C A-111C 1/4" = 1'-0"

SHEET NOTES - DEMO FLOOR PLANS

NOTE #	NOTE
1	REMOVE (E) COILING DOOR, TRACKS, ASSOCIATED HARDWARE AND COUNTERTOP
2	REMOVE PORTION OF WALL AT SILL FOR NEW ADA COMPLIANT OPENING
4	REMOVE PORTION OF EXISTING COUNTER
5	REMOVE ALL (E) FLUSH VALVES
6	PREP FLOOR FOR NEW EPOXY FLOOING W/ INTEGRAL COVE BASE
7	REMOVE (E) TOILET PARTITIONS
8	REMOVE (E) GRAB BARS & SLAVAGE FOR REINSTALL
9	REMOVE (E) COUNTER

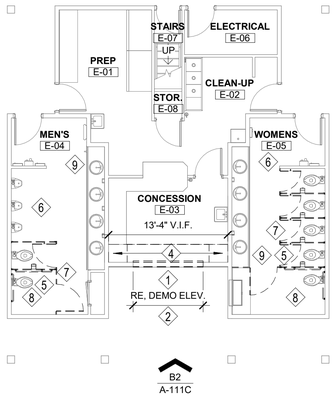
FINISH SYMBOL LEGEND

XXX WALL FINISH SYMBOL

SHEET NOTE SYMBOL

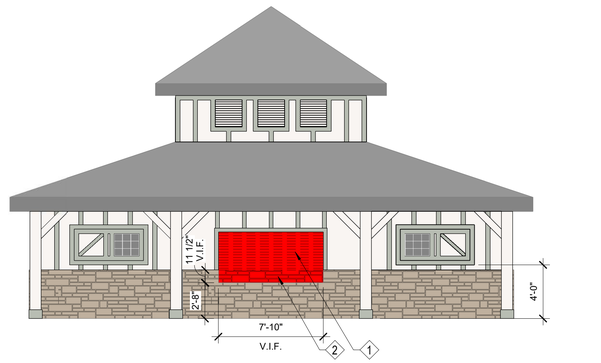
DEMOLITION GENERAL NOTES

1. GENERAL CONTRACTOR TO COORDINATE SCHEDULING ALL WORK WITH OWNER.
2. WORK LABELED (NIC), OR OTHERWISE NOT NOTED IS NOT IN CONTRACT FOR ANY ARCHITECTURAL IMPROVEMENTS.
3. THE GENERAL CONTRACTOR & THEIR SUBCONTRACTORS SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS WITH CONDITIONS SHOWN IN THE CONTRACT DOCUMENTS AND SHALL REPORT ANY DEVIATIONS, DISCREPANCIES AND/OR CONFLICTS TO ARCHITECT.
4. THE GENERAL CONTRACTOR & SUBCONTRACTOR SHALL TAKE EXTREME CARE DURING DEMOLITION NOT TO DAMAGE OR DISTURB ANY EXISTING CONDITIONS THAT ARE TO REMAIN. GENERAL CONTRACTOR OR SUBCONTRACTOR SHALL REPAIR ANY DAMAGE OR DISTURBANCE TO EXISTING CONDITIONS AT NO COST TO THE OWNER.
5. PROVIDE PROTECTION FOR FLOORS, WALLS, & CEILING AT ALL EXISTING CONDITIONS TO REMAIN, INCLUDING TRAFFIC AREA FOR DEMOLITION REMOVAL IN COMMON BUILDING AREAS & FREIGHT ELEVATORS. DAMAGED FLOORS WILL BE REPLACED @ NO COST TO OWNER.
6. REMOVE ALL WALLS, DOORS (AND OTHER ITEMS) SHOWN DASHED - FIELD VERIFY CONSTRUCTION OF ALL WALLS TO BE REMOVED - PROVIDE SHORING AND BRACING AS REQUIRED.
7. REFER TO SPECIFICATIONS REGARDING; EXISTING CONDITIONS, CUTTING AND PATCHING AND SELECTIVE DEMOLITION REQUIREMENTS THAT APPLY TO ALL WORK KEY NOTES DESCRIBED ON THIS SHEET.
8. COORDINATE W/ BUILDING OWNER DURING DEMOLITION TO DETERMINE WHETHER EXISTING FIRE & SMOKE DETECTION SYSTEMS ARE TO BE BAGGED, PROTECTED & REMAIN IN OPERATION OR TO BE TAKEN OFF LINE.
9. AREAS OF DEMOLITION SHALL BE FREE OF (FURNITURE AND MOBILE EQUIPMENT AND ACCESSORIES) PRIOR TO START OF WORK.



B1 EXISTING CONCESSIONS BUILDING - DEMO FLOOR PLAN

A-111C 1/8" = 1'-0"

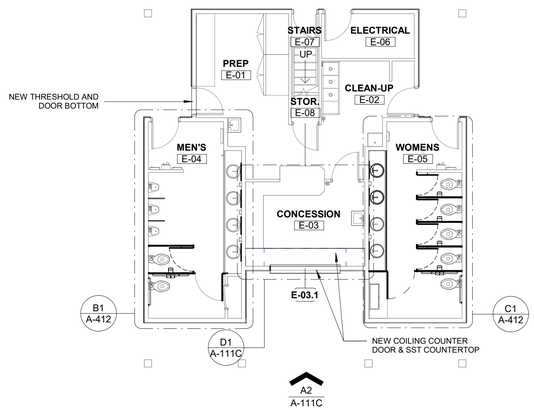


B2 EXISTING CONCESSIONS BUILDING - DEMOLITION ELEVATION

A-111C A-111C 3/16" = 1'-0"

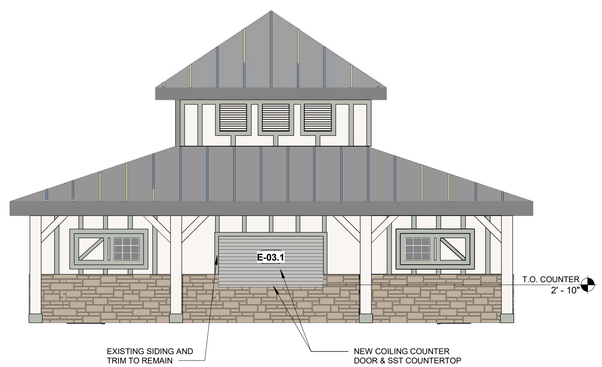
FLOOR PLAN GENERAL NOTES

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2. PROVIDE PAINTED ACCESS PANELS IN WALLS & GYPSUM BOARD CEILINGS AT CONCEALED ITEMS (VALVES, CONTROLS, SWITCHES, AND ANY OTHER ITEM THAT REQUIRES ACCESS. COORDINATE LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
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4. VERIFY & COORDINATE ALL REQUIREMENTS FOR OWNER FURNISHED ITEMS PRIOR TO PERFORMANCE OF WORK.
5. REFER TO A-511 FOR ASSEMBLY TYPE TAGS SHOWN ON PLANS CORRESPONDING WITH EXTERIOR WALL AND ROOF ASSEMBLIES.



A1 EXISTING CONCESSIONS BUILDING - FLOOR PLAN

A-111C 1/8" = 1'-0"



A2 EXISTING CONCESSIONS BUILDING - ELEVATION

A-111C A-111C 3/16" = 1'-0"

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Key Map

Drawing

EXISTING CONCESSIONS BUILDING - FIRST FLOOR PLAN

A-111C

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RCP LEGEND AND SYMBOLS

C-1
24" x 48" SUSPENDED ACOUSTICAL CEILING

C-2
CEMENT BOARD, PRE-FINISHED

C-3
GYPSUM WALL BOARD ON METAL FURRING, PAINTED P-5

C-4
OPEN TO STRUCTURE, PAINTED P-6

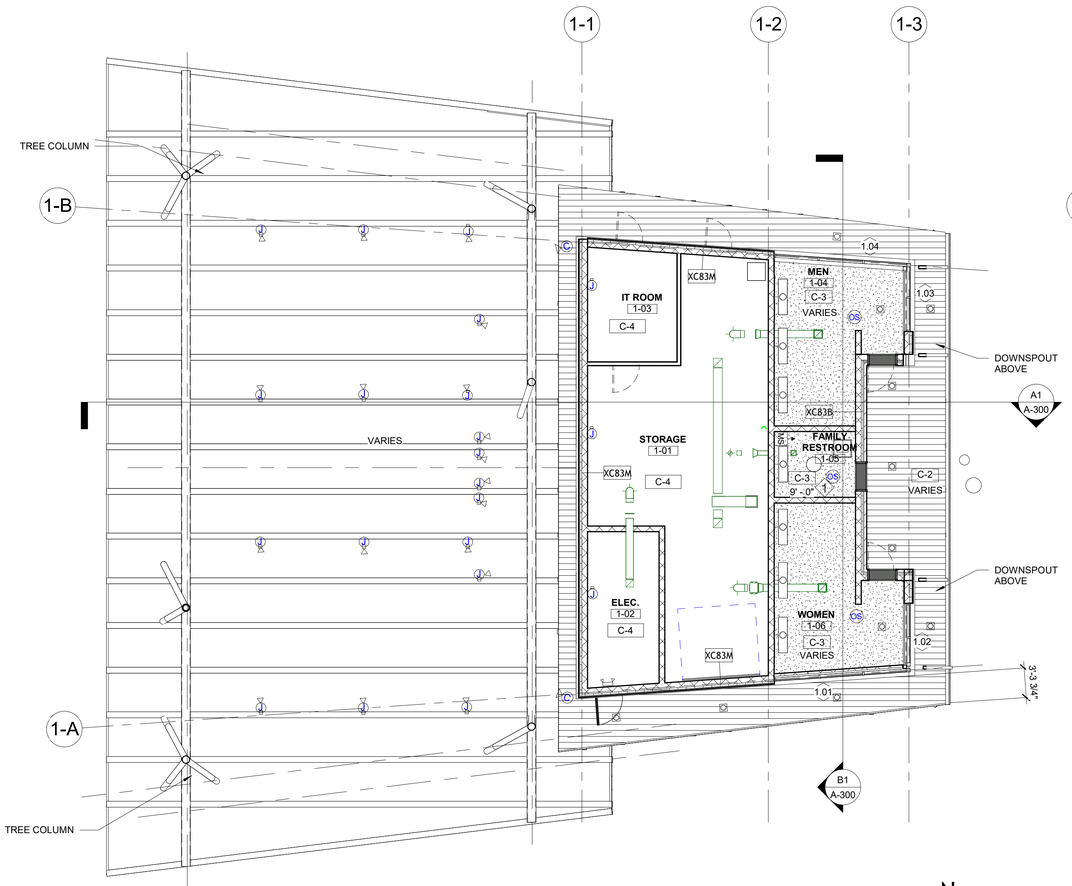
C-5
OPEN TO STRUCTURE, UNFINISHED

RCP GENERAL NOTES

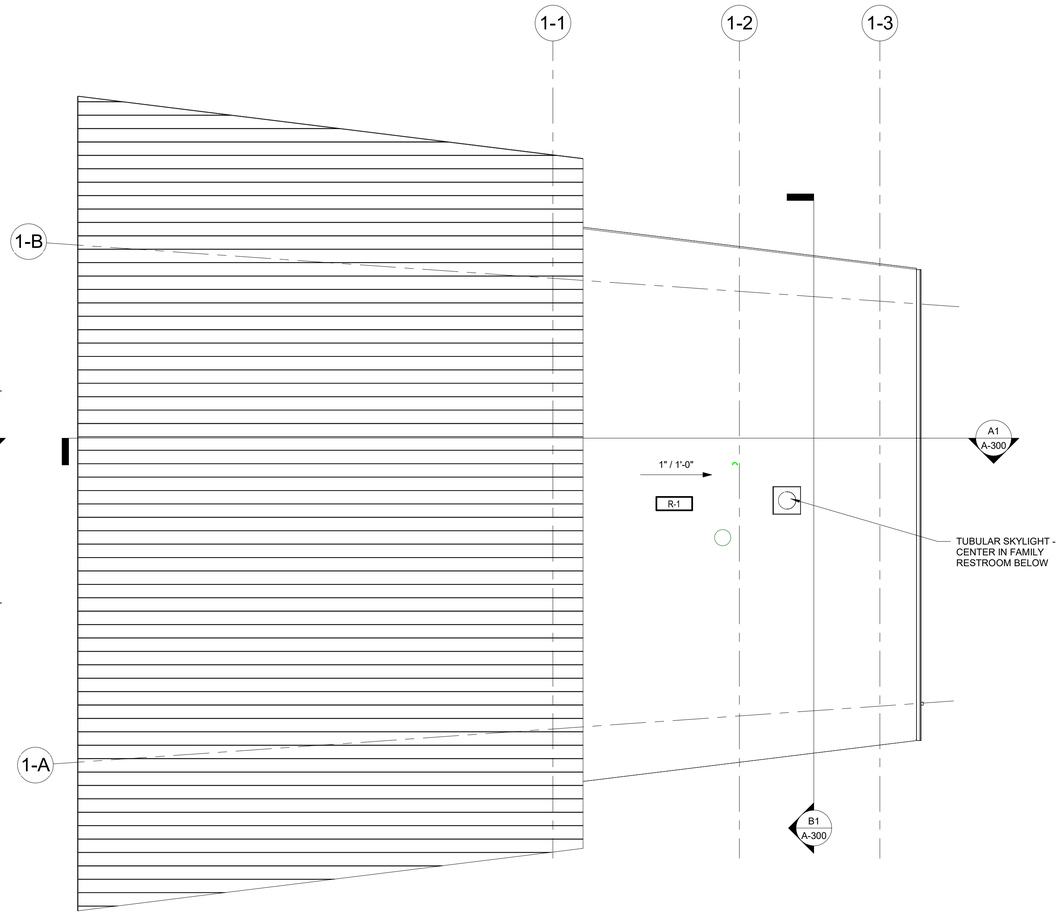
1. ALL CEILING ELEVATIONS TO BE DIMENSIONED FROM SLAB ELEVATION BELOW.
2. REFER TO CEILING PLAN FOR DIMENSIONED LOCATIONS OF ALL LIGHTS, DIFFUSERS, ETC.
3. PROVIDE CONTINUOUS SOUND BATT INSULATION ABOVE TOILET ROOM CEILINGS.
4. PAINT ALL EXPOSED STRUCTURE (BEAMS, JOISTS, DECK), EXPOSED CONDUIT, EXPOSED DUCT AND PIPING (INCLUDING INSULATION). REFER TO FINISH LEGEND FOR COLOR.

SHEET NOTES - REFLECTED CEILING PLANS

NOTE #	NOTE
1	21" TUBULAR SKYLIGHT



A1 COMMUNITY HUB BUILDING - RELFECTED CEILING PLAN - PHASE 1
A-121A 1/8" = 1'-0"



A3 COMMUNITY HUB BUILDING - ROOF PLAN - PHASE 1
A-121A 1/8" = 1'-0"

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COMMUNITY HUB - REFLECTED CEILING & ROOF PLANS

A-121A

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24" x 48" SUSPENDED ACOUSTICAL CEILING

C-2
CEMENT BOARD, PRE-FINISHED

C-3
GYPSUM WALL BOARD ON METAL FURRING, PAINTED P-5

C-4
OPEN TO STRUCTURE, PAINTED P-6

C-5
OPEN TO STRUCTURE, UNFINISHED

RCP GENERAL NOTES

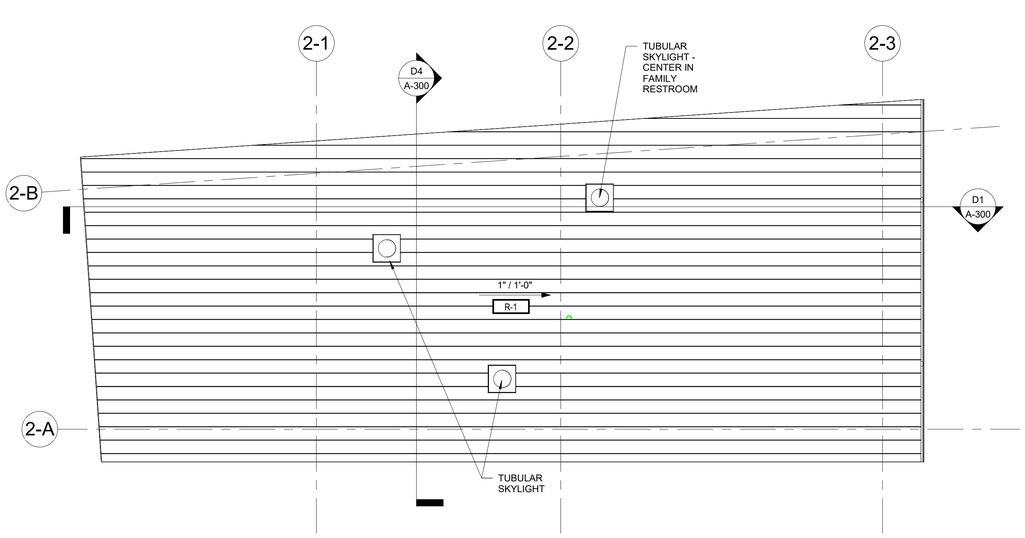
1. ALL CEILING ELEVATIONS TO BE DIMENSIONED FROM SLAB ELEVATION BELOW.
2. REFER TO CEILING PLAN FOR DIMENSIONED LOCATIONS OF ALL LIGHTS, DIFFUSERS, ETC.
3. PROVIDE CONTINUOUS SOUND BATT INSULATION ABOVE TOILET ROOM CEILINGS.
4. PAINT ALL EXPOSED STRUCTURE (BEAMS, JOISTS, DECK), EXPOSED CONDUIT, EXPOSED DUCT AND PIPING (INCLUDING INSULATION). REFER TO FINISH LEGEND FOR COLOR.

SHEET NOTES - REFLECTED CEILING PLANS

NOTE #	NOTE
1	21" TUBULAR SKYLIGHT



A1 HEADQUARTERS & RESTROOM BUILDING - REFLECTED CEILING PLAN
A-121B 1/8" = 1'-0"



A3 HEADQUARTERS & RESTROOM BUILDING - ROOF PLAN
A-121B 1/8" = 1'-0"

N

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Key Map

Drawing
HEADQUARTERS & RESTROOM - REFLECTED CEILING & ROOF PLANS

A-121B

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FINISH LEGEND

FINISH DIVISION	CSI SECTION NUMBER	CSI SECTION NAME	TYPE	CODE	MANUFACTURER	PRODUCT	SIZE	COLOR	REMARKS
DIVISION 3									
DIVISION 3	03 3000	CAST-IN-PLACE CONCRETE	LIQUID FLOOR TREATMENT (DENSIFIED CONCRETE)	DC-1	TBD	RE: SPECS	-	NATURAL	
DIVISION 6									
DIVISION 6	06 6400	PLASTIC PANELING	FIBER-REINFORCED PANEL	FRP-1	MARLITE	SMOOTH TEXTURE	4' SHEETS	WHITE	
DIVISION 9									
DIVISION 9	09 6513	RESILIENT BASE AND ACCESSORIES	RESILIENT BASE	RB-1	ROPPE	RUBBER BASE	4" COVE, ROLLED GOODS	LUNAR DUST 114	
DIVISION 9	09 6723	POURED RESINOUS FLOORING	EPOXY FLOORING SYSTEM	EPF-1	STONHARD	STONSHIELD SLT	-	GLACIER MEDIUM TEXTURE	4" INTEGRAL BASE
DIVISION 9	09 9123	INTERIOR PAINTING	PAINT (FIELD)	P-1	SHERWIN WILLIAMS	SEMI-GLOSS	-	CREAMY SW7012	
DIVISION 9	09 9123		EPOXY PAINT (TOILET ROOM FIELD)	P-1A	SHERWIN WILLIAMS	SEMI-GLOSS	-	CREAMY SW7012	
DIVISION 9	09 9123		EPOXY PAINT TOILET ROOM ACCENT	P-2A	SHERWIN WILLIAMS	SEMI-GLOSS		DUTCH TILE BLUE SW0031	
DIVISION 9	09 9123		PAINT (CEILING)	P-3	SHERWIN WILLIAMS	FLAT (EGGSHELL AT TOILET ROOMS)	-	CEILING BRIGHT WHITE SW7007	
DIVISION 9	09 9123		PAINT (OPEN STRUCTURE, METAL DOORS & HM DOOR FRAMES)	P-4	SHERWIN WILLIAMS	SEMI-GLOSS	-	DOVETAIL SW7018	
DIVISION 12									
DIVISION 12	12 3216	MANUFACTURED PLASTIC-LAMINATE-FACED CASEWORK	PLASTIC-LAMINATE CASEWORK (UPPER & BASE CABINETS)	PL-1	FORMICA	HPL PLASTIC LAMINATE	-	BEIGE ELM 5794-NG	
DIVISION 12	12 3616	METAL COUNTERTOPS	STAINLESS STEEL COUNTERTOP	SST-1	TBD	TBD		STAINLESS STEEL	CONCESSIONS
DIVISION 12	12 3661.16	SOLID SURFACING COUNTERTOPS	SOLID SURFACE COUNTERTOP	SS-1	CORIAN	SOLID SURFACE	-	ELEGANT GRAY	

ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FINISH			MILLWORK		MISCELLANEOUS	REMARKS
		FLOOR	BASE	WALL	HORIZ.	VERT.		
1-01	STORAGE	DC-1	RB-1	P-1, FRP-1 (AROUND PERIMETER UP TO 48" A.F.F)				P-1, RB-1, FRP-1 AT GYPSUM BOARD WALLS ONLY.EXPOSED CMU TO REMAIN UNPAINTED.
1-02	ELEC.	DC-1	-	-				EXPOSED CMU TO REMAIN UNPAINTED
1-03	IT ROOM	DC-1	RB-1	P-1				
1-04	MEN	EPF-1	EPF-1, 4" INTEGRAL BASE	P-1A, P-2A				
1-05	FAMILY RESTROOM	EPF-1	EPF-1, 4" INTEGRAL BASE	P-1A, P-2A				
1-06	WOMEN	EPF-1	EPF-1, 4" INTEGRAL BASE	P-1A, P-2A				
2-01	OFFICE	DC-1	RB-1	P-1	SS-1	PL-1		
2-02	IT	DC-1	-	P-1				
2-03	FAMILY RESTROOM	EPF-1	EPF-1, 4" INTEGRAL BASE	P-1A, P-2A				
2-04	WOMEN	EPF-1	EPF-1, 4" INTEGRAL BASE	P-1A, P-2A				
2-05	UTILITY	DC-1	-	-				EXPOSED CMU TO REMAIN UNPAINTED
2-06	MEN	EPF-1	EPF-1, 4" INTEGRAL BASE	P-1A, P-2A				
2-07	ELEC.	DC-1	-	-				EXPOSED CMU TO REMAIN UNPAINTED
2-08	STORAGE	DC-1	-	-				EXPOSED CMU TO REMAIN UNPAINTED
E-03	CONCESSION	-	-	-	SST-1	-		STAINLESS STEEL COUNTER WHERE SPECIFIED
E-04	MEN'S	EPF-1	EPF-1, 4" INTEGRAL BASE	P-1A, P-2A				PAINT CEILING P-5
E-05	WOMENS	EPF-1	EPF-1, 4" INTEGRAL BASE	P-1A, P-2A				PAINT CEILING P-5

TOILET ACCESSORY SCHEDULE

ITEM	Description	Manufacturer	Model	PROVIDED BY	INSTALLED BY
BC1	BABY CHANGING STATION	KOALA KARE	KB110-SSRE	CONTRACTOR	CONTRACTOR
BC2	CHILD PROTECTION SEAT	KOALA KARE	KB102-01	CONTRACTOR	CONTRACTOR
GB1	36", 42", 12" GRAB BARS	BOBRICK	B-5806	CONTRACTOR	CONTRACTOR
HD1	ELECTRIC HAND DRYER	GLOBAL INDUSTRIAL	641565	CONTRACTOR	CONTRACTOR
MI1	MIRROR	BOBRICK	B-165	CONTRACTOR	CONTRACTOR
SD1	SOAP DISPENSER	BOBRICK	B-2111	OWNER	CONTRACTOR
TP1	TOILET PAPER DISPENSER	BOBRICK	B-2892	<varies>	<varies>

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FINISH SCHEDULE

A-140

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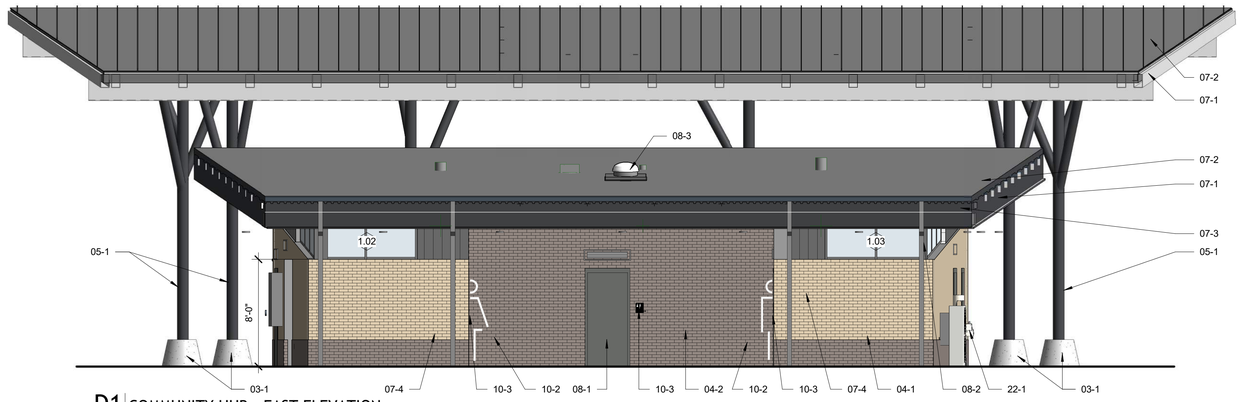
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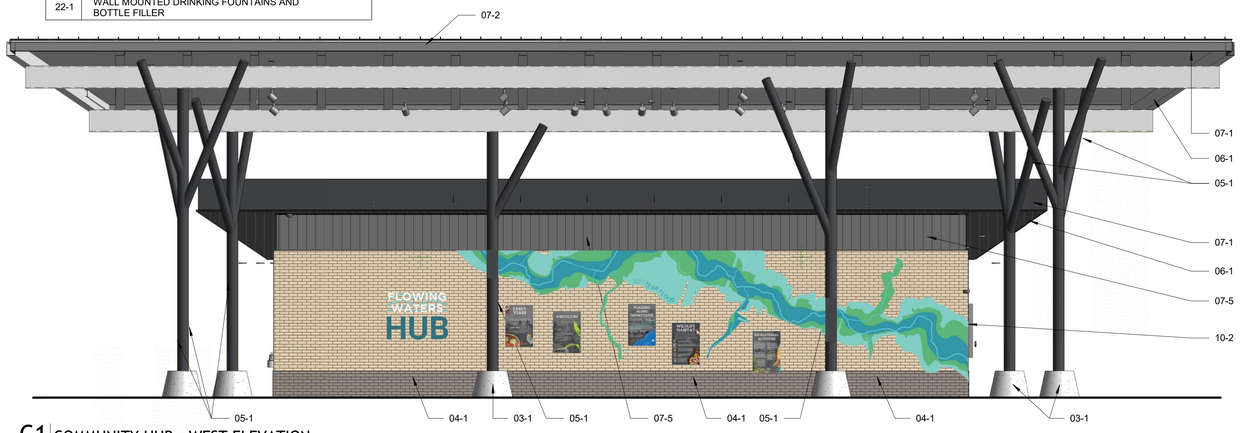
MATERIALS LEGEND

	DESCRIPTION
03-1	CAST-IN-PLACE STRUCTURAL CONCRETE COLUMN BASE
04-1	BRICK VENEER - MODULAR (2-1/4X4X8), INTERSTATE BRICK, COLOR: ALMOND
04-2	BRICK VENEER - MODULAR (2-1/4X4X8), INTERSTATE BRICK, COLOR: PLATINUM
05-1	STRUCTURAL STEEL PIPE COLUMN PAINTED WITH HIGH PERFORMANCE COATING
07-1	PRE-FINISHED SHEET METAL FASCIA, COLOR TO MATCH MORIN ZINC GRAY
07-2	PRE-FINISHED SHEET METAL STANDING SEAM BOD: MORIN SYMMETRY SYM-12-0 WITH 2" SEAMS, 22 GA
07-3	PRE-FINISHED SHEET METAL GUTTER
07-4	PRE-FINISHED SHEET METAL DOWNSPOUT, COLOR TO MATCH FASCIA
07-5	PRE-FINISHED METAL PANEL, BOD: MORIN MATRIX MX-6, 22 GA. COLOR: ZINC GRAY
07-6	CEMENT BOARD SOFFIT
08-1	HOLLOW METAL DOOR AND FRAME, PAINTED
08-2	HOLLOW METAL FRAME AND GLAZING, PAINTED
08-3	21" TUBULAR SKYLIGHT
08-4	INSULATED STEEL SECTIONAL DOOR 9'-4"W X 8'H
08-5	INSULATED SST SECTIONAL COUNTER DOOR 8'W X 4'H
10-1	ALUMINUM DIMENSIONAL LETTER SIGNAGE
10-2	PROPOSED ENVIRONMENTAL GRAPHIC
10-3	ACRYLIC ROOM PANEL SIGNAGE
22-1	WALL MOUNTED DRINKING FOUNTAINS AND BOTTLE FILLER



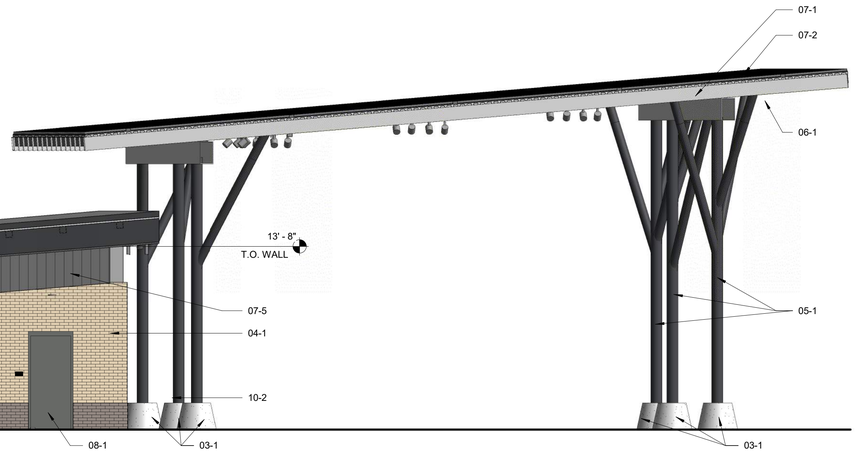
D1 COMMUNITY HUB - EAST ELEVATION

A-111A A-201A 3/16" = 1'-0"



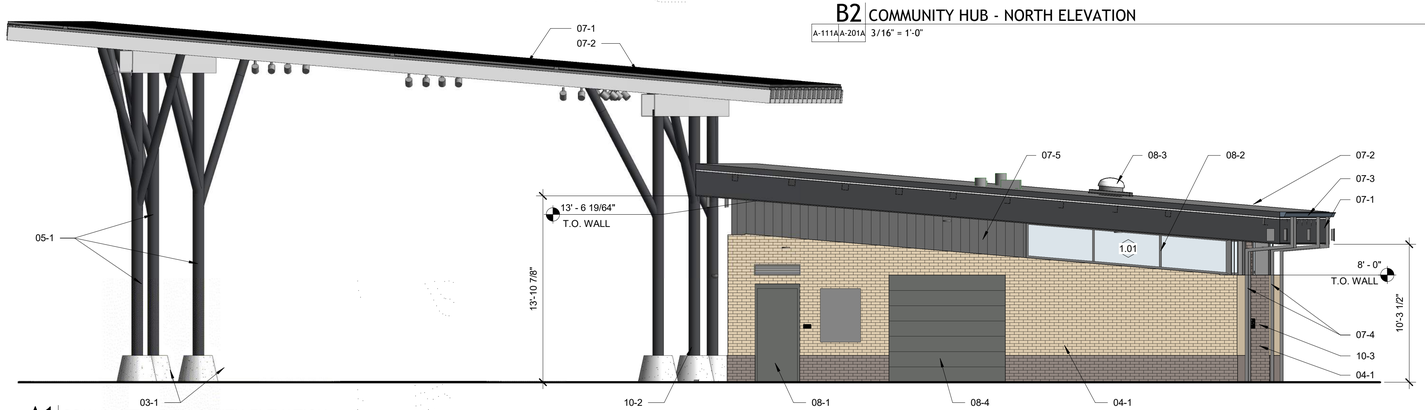
C1 COMMUNITY HUB - WEST ELEVATION

A-111A A-201A 3/16" = 1'-0"



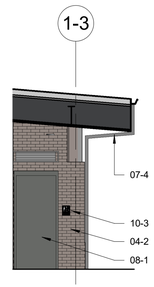
B2 COMMUNITY HUB - NORTH ELEVATION

A-111A A-201A 3/16" = 1'-0"



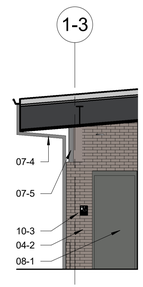
A1 COMMUNITY HUB - SOUTH ELEVATION

A-111A A-201A 3/16" = 1'-0"



A4 HUB TOILET ROOM - SOUTH ELEVATION

A-111A A-201A 3/16" = 1'-0"



A5 HUB TOILET ROOM - NORTH ELEVATION

A-111A A-201A 3/16" = 1'-0"

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Key Map

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COMMUNITY HUB - EXTERIOR ELEVATIONS

A-201A

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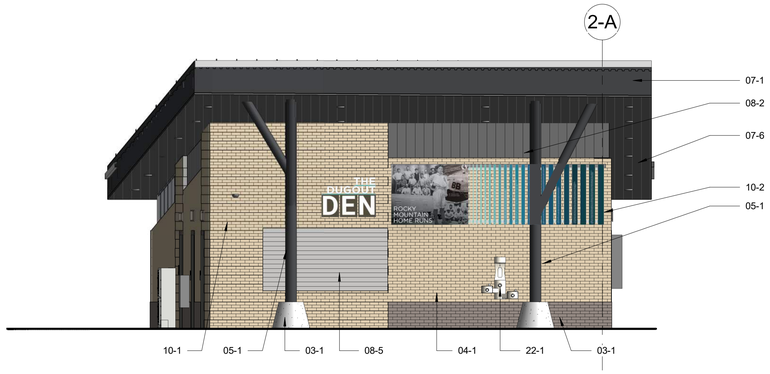
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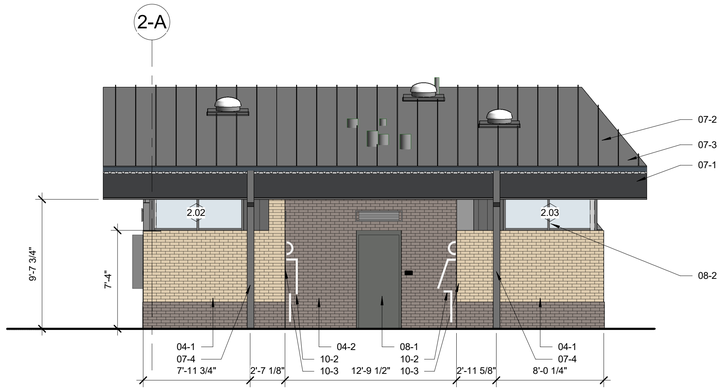
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A1 HEADQUARTERS & RESTROOM - WEST ELEVATION

A-111B A-201B 3/16" = 1'-0"

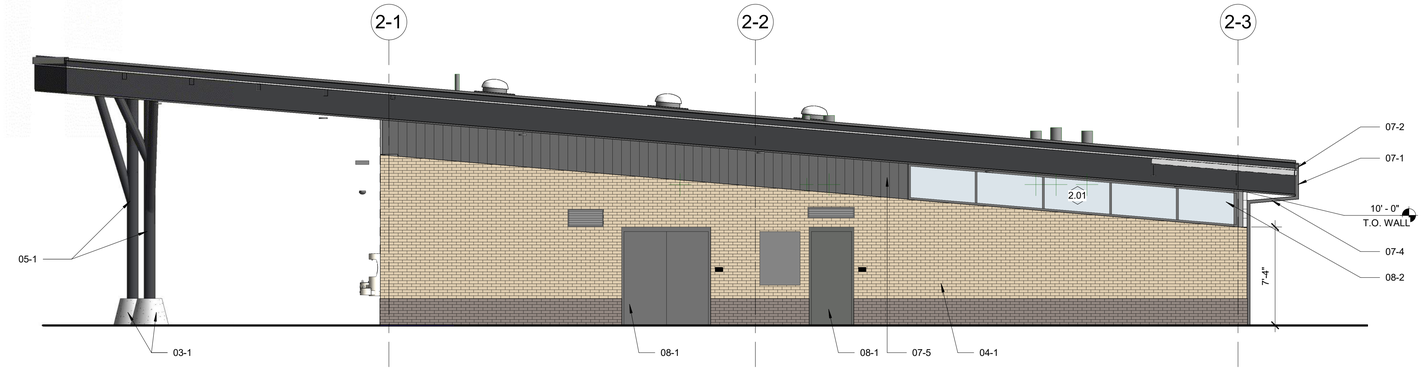


A3 HEADQUARTERS & RESTROOM - EAST ELEVATION

A-111B A-201B 3/16" = 1'-0"

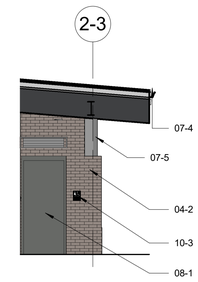
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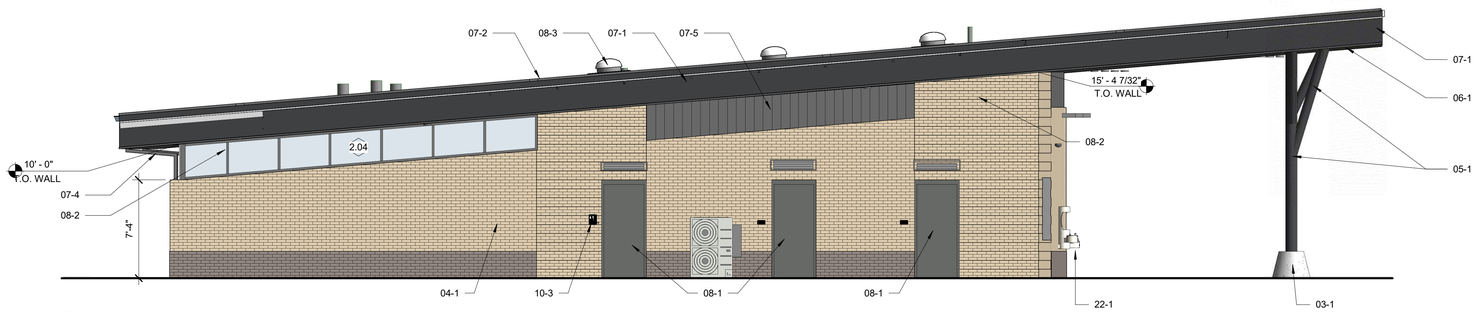
B1 HEADQUARTERS & RESTROOM - SOUTH ELEVATION

A-111B A-201B 3/16" = 1'-0"



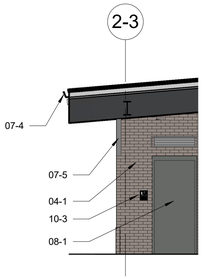
B4 HQ TOILET ROOM ENTRY - SOUTH ELEVATION

A-111B A-201B 3/16" = 1'-0"



D1 HEADQUARTERS & RESTROOM - NORTH ELEVATION

A-111B A-201B 3/16" = 1'-0"



A4 HQ TOILET ROOM ENTRY - NORTH ELEVATION

A-111B A-201B 3/16" = 1'-0"

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Drawing

HEADQUARTERS & RESTROOM BUILDING - EXTERIOR ELEVATIONS

A-201B

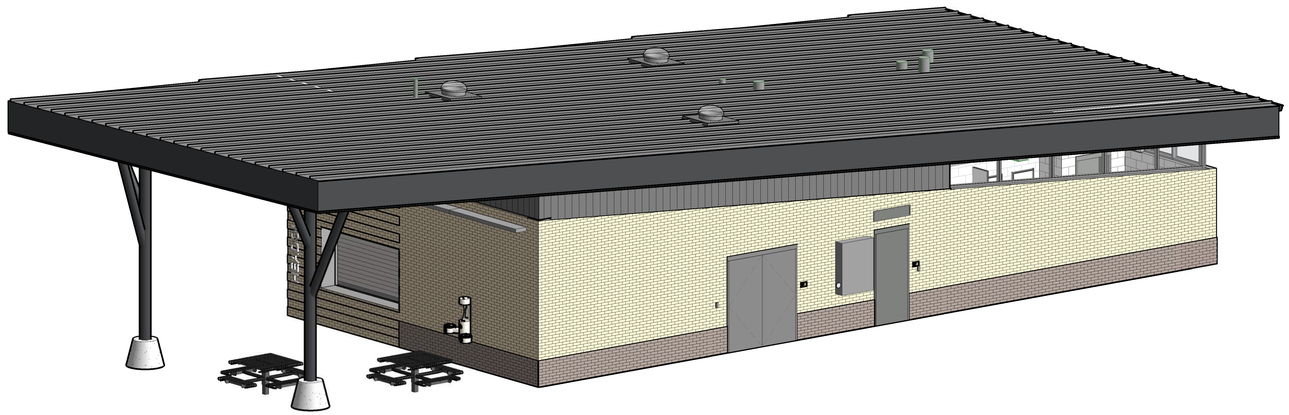
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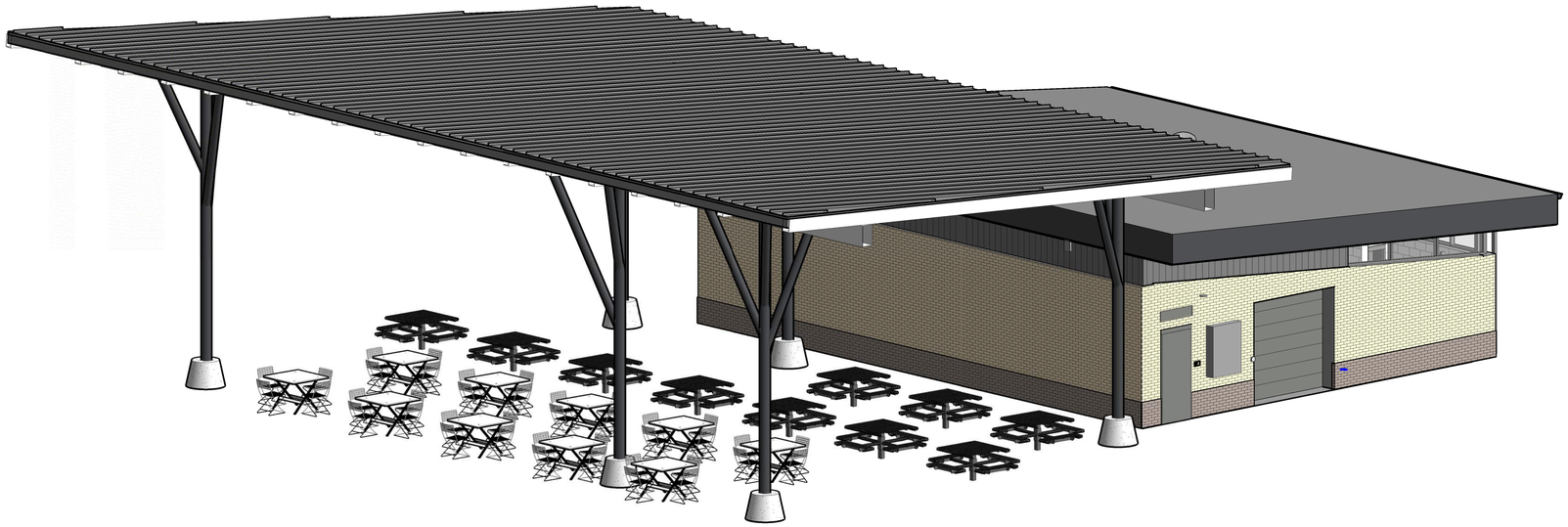
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C3 HEADQUARTERS & RESTROOM 3D VIEW

A-202



A1 COMMUNITY PAVILION 3D VIEW

A-202

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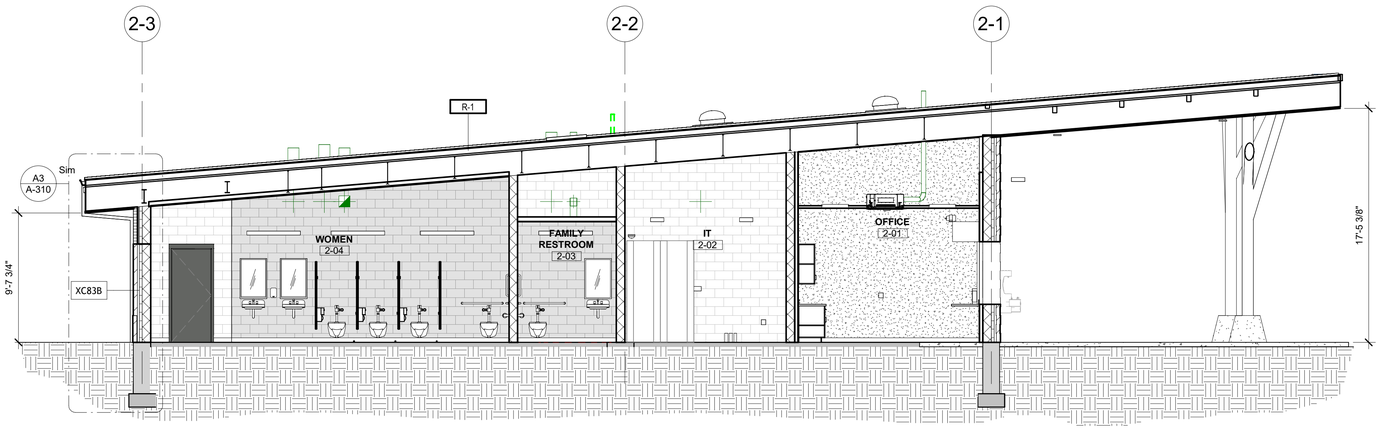
Drawing

HEADQUARTERS & COMMUNITY HUB PAVILION 3D VIEWS

A-202

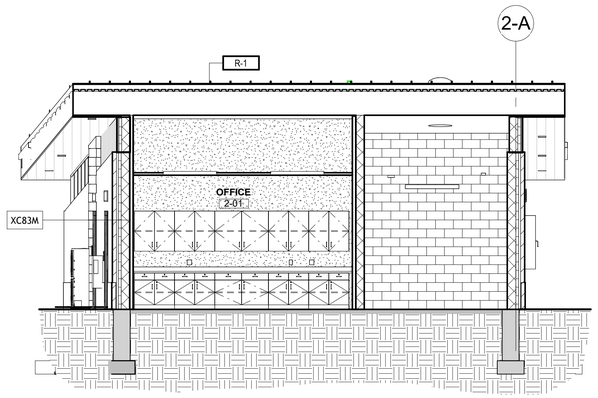
SITE PLAN SUBMITTAL

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D1 HEADQUARTERS EAST/WEST BUILDING SECTION

A-111B A-300 3/16" = 1'-0"



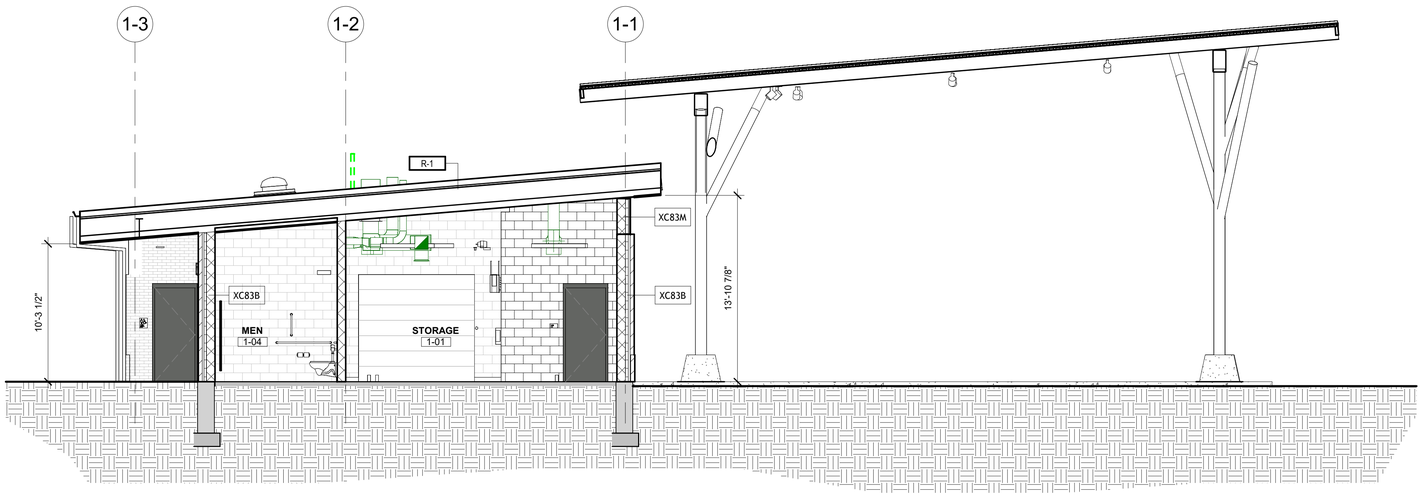
D4 HEADQUARTERS NORTH/SOUTH BUILDING SECTION

A-111B A-300 3/16" = 1'-0"



B1 COMMUNITY HUB NORTH/SOUTH BUILDING SECTION

A-111A A-300 3/16" = 1'-0"



A1 COMMUNITY HUB EAST/WEST BUILDING SECTION

A-111A A-300 3/16" = 1'-0"

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH AT FULL SHEETS ORIGINAL PAGE SIZE

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PLANNING
INTERIOR DESIGN

Δ	DATE	DESCRIPTION

Project Number:	223072.00
Sheet Issue Date:	2024-11-22
Drawn By:	ST
Checked By:	LG

Key Map

Drawing

BUILDING SECTIONS

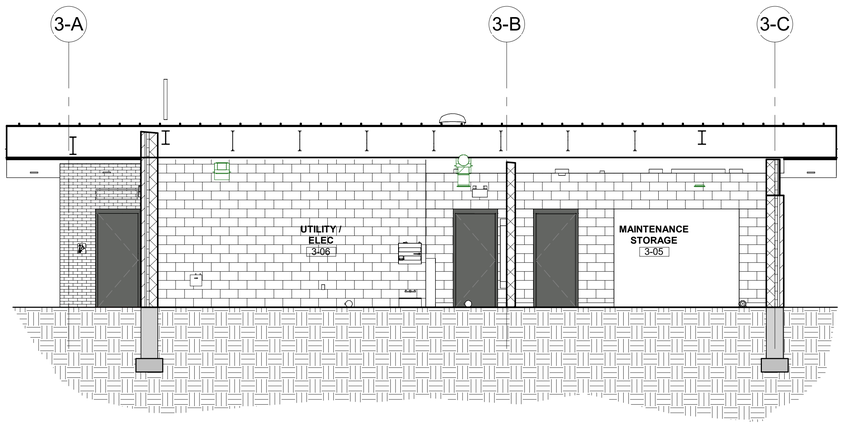
A-300

SITE PLAN SUBMITTAL

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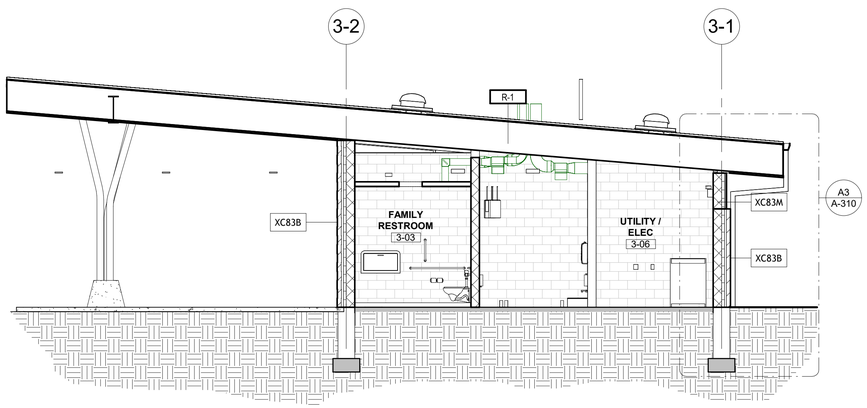
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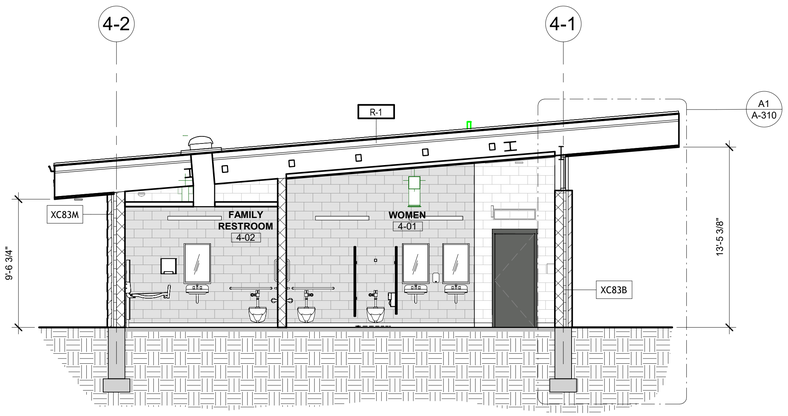
B1 SPORTS COURT NORTH/SOUTH BUILDING

A-111D-P2A-301 3/16" = 1'-0"



B3 SPORTS COURT NORTH/SOUTH BUILDING SECTION

A-111D-P2A-301 3/16" = 1'-0"



A1 PLAYGROUND RESTROOM EAST/WEST BUILDING SECTION

A-101B A-301 3/16" = 1'-0"

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Key Map

Drawing

BUILDING SECTIONS - P2,3

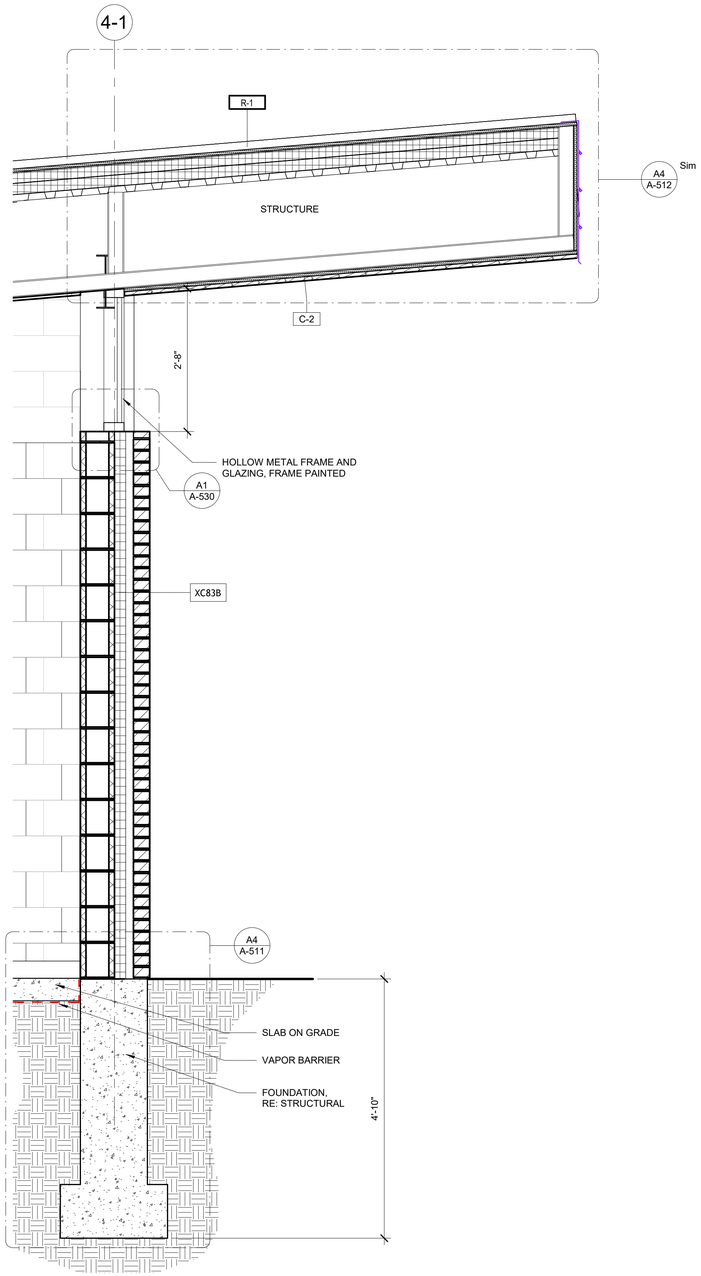
A-301

SITE PLAN SUBMITTAL

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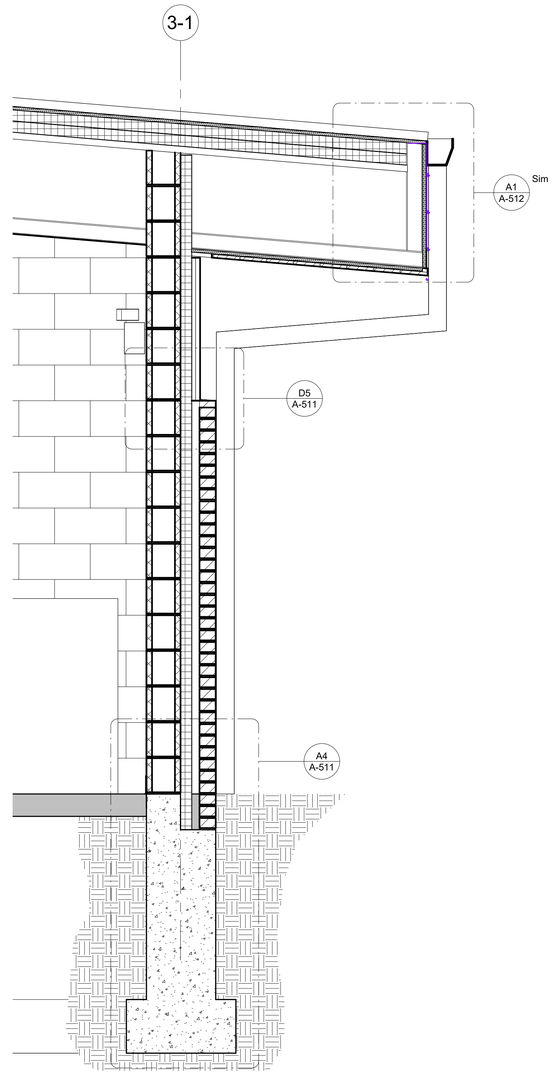
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A1 TYPICAL WALL SECTION - HIGH SIDE ROOF SLOPE

A-301 | A-310 3/4" = 1'-0"



A3 TYPICAL WALL SECTION - LOW SIDE ROOF SLOPE

A-300 | A-310 3/4" = 1'-0"

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Key Map

Drawing

WALL SECTIONS

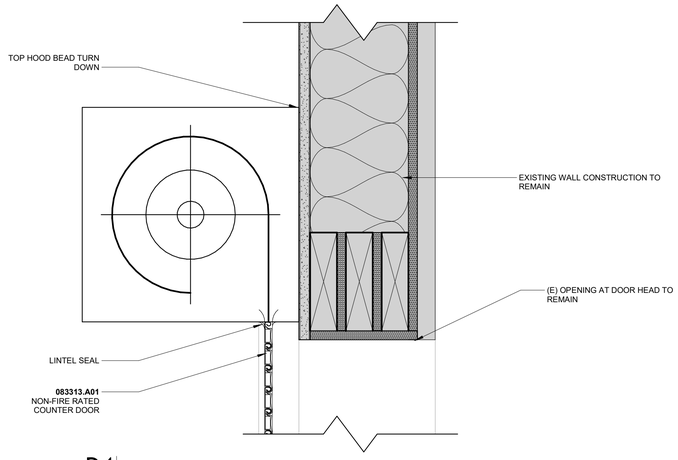
A-310

SITE PLAN SUBMITTAL

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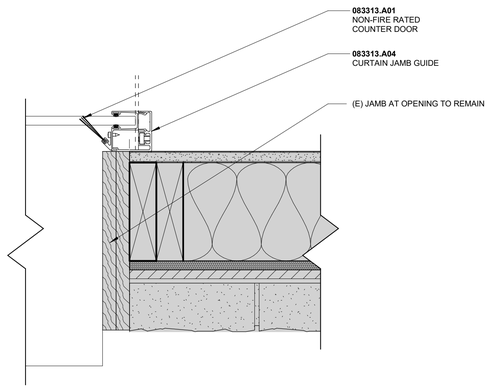
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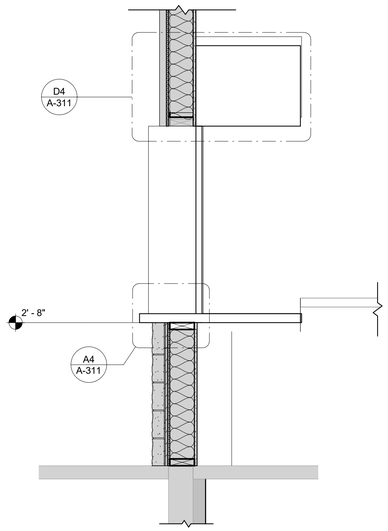
D4 COILING DOOR HEAD DETAIL

A-311 | A-311 3" = 1'-0"



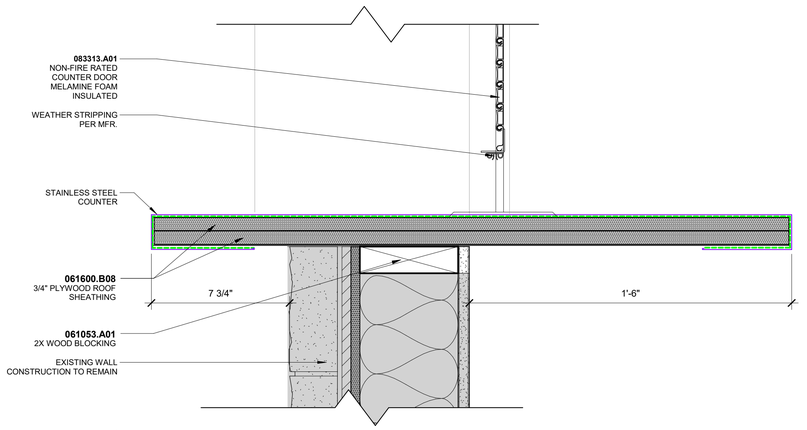
B4 COILING DOOR JAMB DETAIL

A-311 3" = 1'-0"



A2 EXISTING CONCESSIONS BUILDING - NEW COILING ROLL-UP DOOR

A-111C | A-311 3/4" = 1'-0"



A4 COILING DOOR SILL DETAIL

A-311 | A-311 3" = 1'-0"

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Δ	DATE	DESCRIPTION

Project Number: 223072.00

Sheet Issue Date: 2024-11-22

Drawn By: ST

Checked By: LG

Key Map

Drawing

EXISTING CONCESSIONS BLDG. - WALL SECTION & DETAILS

A-311

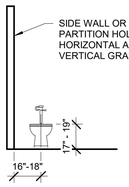
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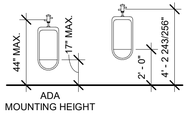
TYPICAL ADULT MOUNTING HEIGHTS

WATER CLOSET
224000.A02



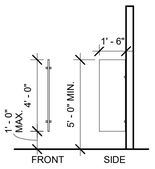
RE: ARCH PLAN FOR HORIZONTAL PLACEMENT.

URINAL
224000.A03



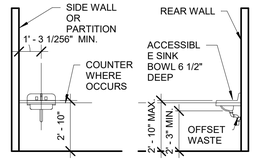
RE: ARCH PLAN FOR HORIZONTAL PLACEMENT.

URINAL SCREEN



DEPTH OF SCREEN TO BE 18" MIN. OR 6" BEYOND FRONT LIP OF URNINAL MEASURED FROM THE FINISHED BACK WALL SURFACE, WHICHEVER IS GREATER.

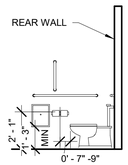
LAVATORY
224000.A04
224000.A05



HOT WATER PIPE AND DRAIN MUST BE INSULATED.

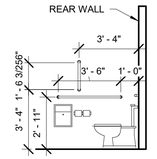
TOILET PAPER DISPENSER
102800.A01

SANITARY NAPKIN DISPOSAL
102800.A09



SURFACE MOUNT TOILET TISSUE DISPENSER MOUNT 7" MIN. TO 9" MAX IN FRONT OF WC MEASURED TO THE CENTER LINE OF THE DISPENSER.

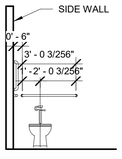
42" HORIZONTAL GRAB BAR 18" VERTICAL GRAB BAR
102800.A08



SIDE WALL:
42" MIN. LENGTH, MOUNT 12" MAX. FROM REAR WALL.

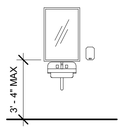
18" MIN. VERTICAL BAR: MOUNT 40" FROM REAR WALL AND 40" (FROM BOTTOM OF BAR) A.F.F.

36" HORIZONTAL GRAB BAR
102800.A08



REAR WALL:
36" MIN. LENGTH, EXTEND FROM CENTER LINE OF WC 12" MIN. ON SIDE CLOSEST TO WALL & 24" MIN. ON TRANSFER SIDE.

MIRROR
102800.A12



24" X 36" MIRROR. MIRRORS NOT LOCATED ABOVE LAVS OR COUNTERTOPS SHOULD BE INSTALLED WITH BOTTOM BASE OF REFLECTING SURFACE AT 35"A.F.F.

ELECTRIC HAND DRYER



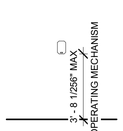
MOUNT 38" TO OPERATING MECHANISM FOR FRONT APPROACH.

PAPER TOWEL DISPENSER
102800.A04



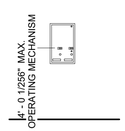
MOUNT 48" TO OPERATING MECHANISM FOR FRONT APPROACH.

SOAP DISPENSER
102800.A07



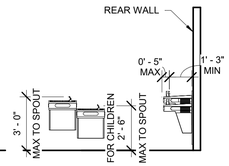
MOUNT 44" MAX TO OPERATING MECHANISM FOR FRONT APPROACH.

SANITARY NAPKIN DISPENSER
102800.A34



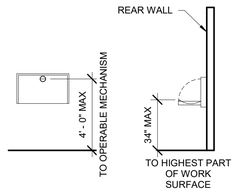
MOUNT 48" TO OPERATING MECHANISM FOR FRONT APPROACH.

DRINKING FOUNTAIN
224000.A07



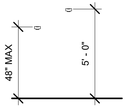
RE: ARCH PLAN FOR HORIZONTAL PLACEMENT.

BABY CHANGING STATION



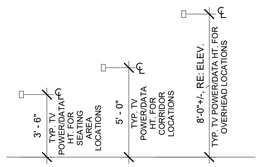
SURFACE MOUNTED

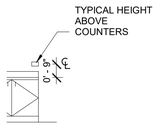
ROBE HOOK
102800.N06

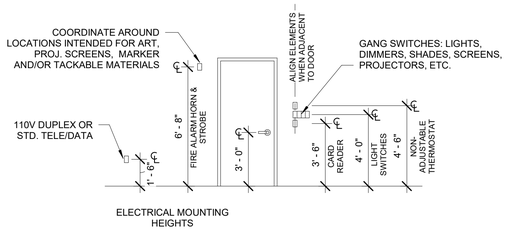


ADA:
MOUNT 48" MAX AFF.

STANDARD HT.:
MOUNT 60" AFF.







ELECTRICAL MOUNTING HEIGHTS

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PLANNING

INTERIOR DESIGN

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Project Number:	223072.00
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Checked By:	LG

Key Map

Drawing

TYPICAL MOUNTING HEIGHTS

A-410

SITE PLAN SUBMITTAL
Page 266 of 311

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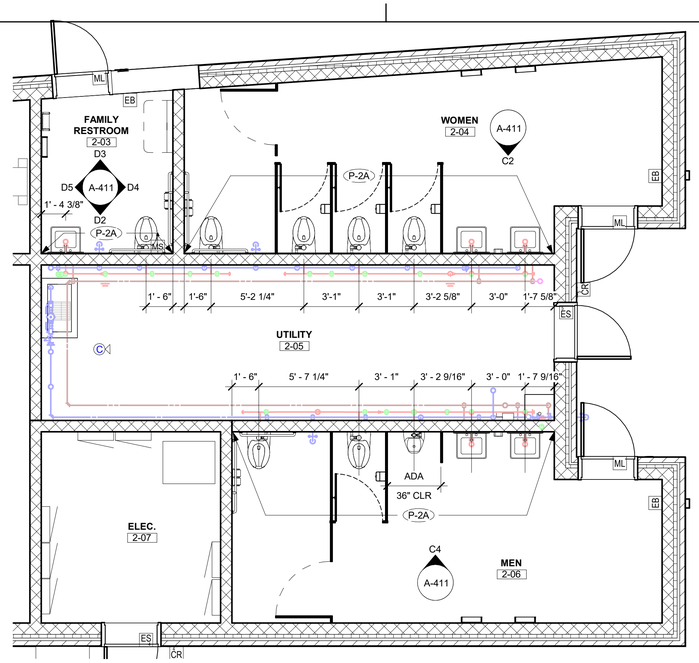
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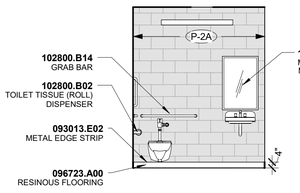
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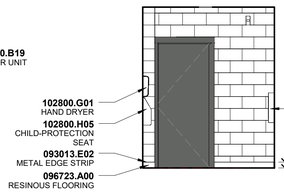
C1 HEADQUARTERS & RESTROOM BUILDING - FLOOR PLAN

A-111A | A-411 1/4" = 1'-0"



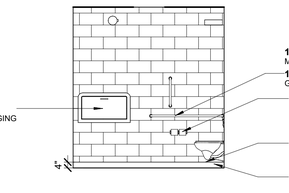
D2 FAMILY TOILET 2-03 - S. ELEV.

A-411 | A-411 1/4" = 1'-0"



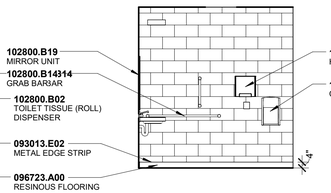
D3 FAMILY TOILET 2-03 - N. ELEV.

A-411 | A-411 1/4" = 1'-0"



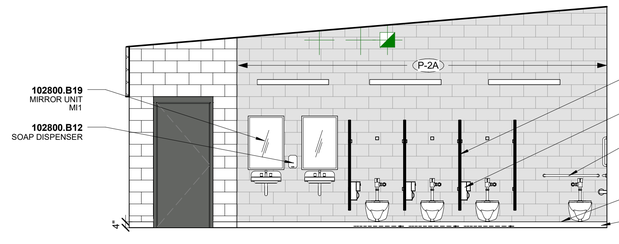
D4 FAMILY TOILET 2-03 - E. ELEV.

A-411 | A-411 1/4" = 1'-0"



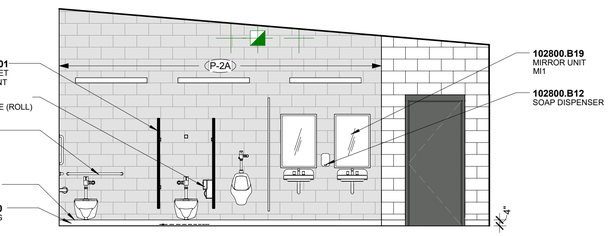
D5 FAMILY TOILET 2-03 - W. ELEV.

A-411 | A-411 1/4" = 1'-0"



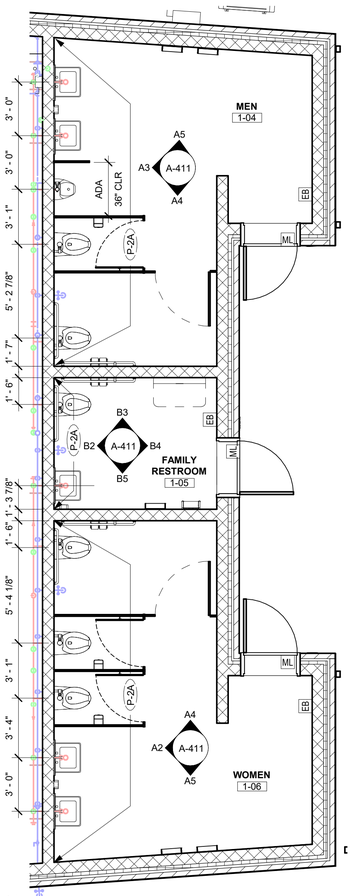
C2 WOMENS TOILET 2-04

A-411 | A-411 1/4" = 1'-0"



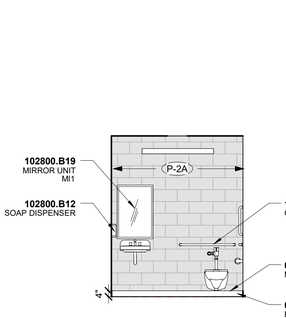
C4 MENS TOILET 2-06

A-411 | A-411 1/4" = 1'-0"



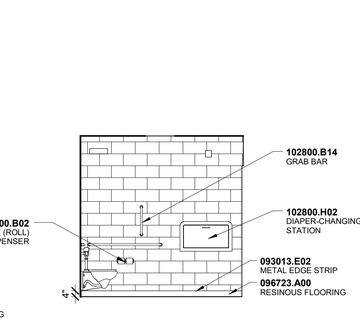
A1 COMMUNITY HUB BUILDING - ENLARGED RESTROOM PLAN

A-111A | A-411 1/4" = 1'-0"



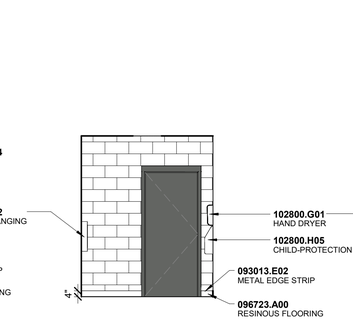
B2 FAMILY TOILET 1-05 - NW ELEV.

A-411 | A-411 1/4" = 1'-0"



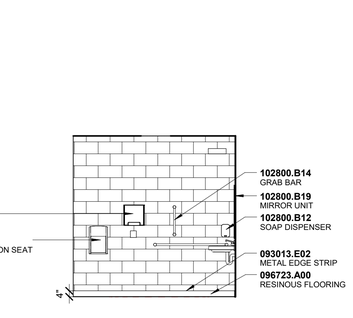
B3 FAMILY TOILET 1-05 - NE ELEV.

A-411 | A-411 1/4" = 1'-0"



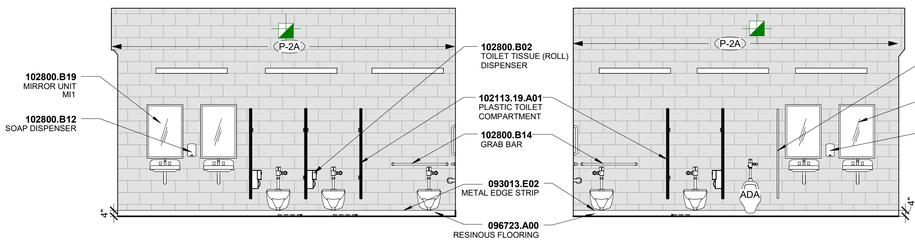
B4 FAMILY TOILET 1-05 - SE ELEV.

A-411 | A-411 1/4" = 1'-0"



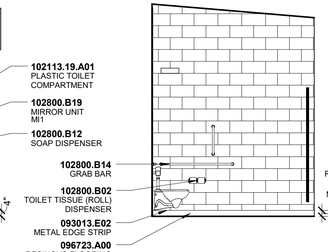
B5 FAMILY TOILET 1-05 - SW ELEV.

A-411 | A-411 1/4" = 1'-0"



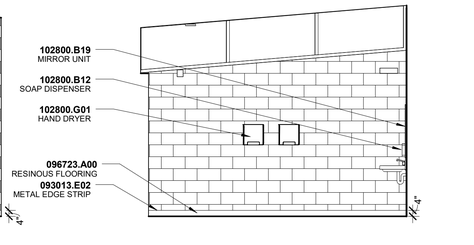
A2 WOMENS TOILET 1-06

A-411 | A-411 1/4" = 1'-0"



A3 MENS TOILET 1-04

A-411 | A-411 1/4" = 1'-0"



A4 ADA TOILET STALL TYP. OF 1-04 & 1-06

A-411 | A-411 1/4" = 1'-0"

A5 TOILET ROOM DRYERS TYP. OF 1-04 & 1-06

A-411 | A-411 1/4" = 1'-0"

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Δ	DATE	DESCRIPTION

Project Number:	223072.00
Sheet Issue Date:	2024-11-22
Drawn By:	MB
Checked By:	LG

Key Map

Drawing

ENLARGED TOILET ROOM PLANS AND ELEVATIONS

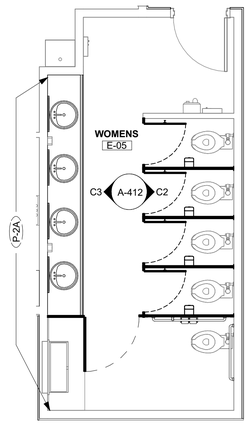
A-411

SITE PLAN SUBMITTAL

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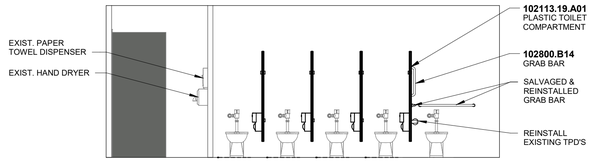
THE LINE SHOWN ABOVE IS EXACTLY 1" WHEN PLOTTED AT FULL SIZED SHEETS ORIGINAL PAGE SIZE

THE SQUARES ABOVE ARE COLOR WITH BLACK AND WHITE LEVEL IF PRINTED CORRECTLY



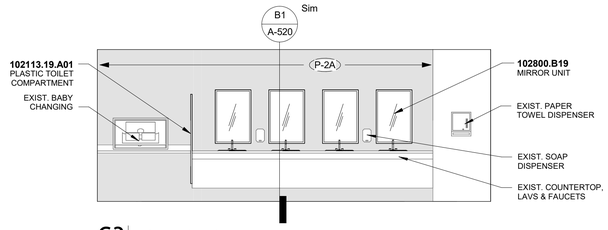
C1 EXISTING CONCESSIONS BUILDING - WOMENS RESTROOM PLAN

A-111C | A-412 1/4" = 1'-0"



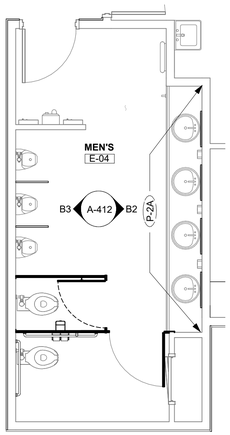
C2 WOMENS E-05 - E. ELEV

A-412 | A-412 1/4" = 1'-0"



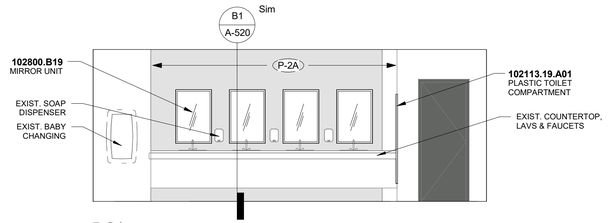
C3 WOMENS E-05 - W. ELEV

A-412 | A-412 1/4" = 1'-0"



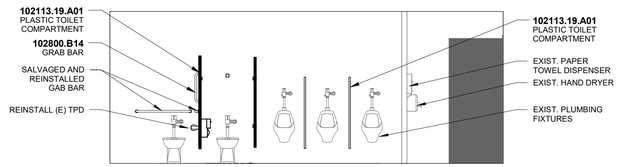
B1 EXISTING CONCESSIONS BUILDING - MENS RESTROOM PLAN

A-111C | A-412 1/4" = 1'-0"



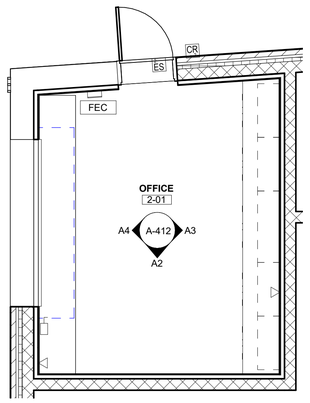
B2 MENS E-04 - EAST ELEV.

A-412 | A-412 1/4" = 1'-0"



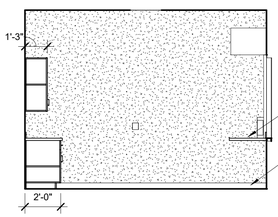
B3 MENS E-04 - WEST ELEV.

A-412 | A-412 1/4" = 1'-0"



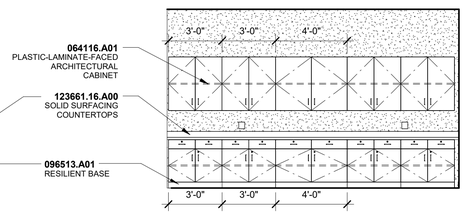
A1 HEADQUARTERS BUILDING - OFFICE FLOOR PLAN

A-412 1/4" = 1'-0"



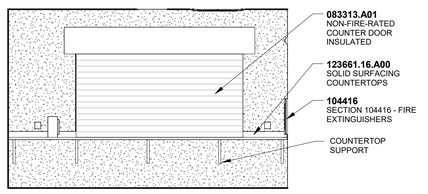
A2 OFFICE 2-01 - SOUTH ELEV.

A-412 | A-412 1/4" = 1'-0"



A3 OFFICE 2-01 - EAST ELEV.

A-412 | A-412 1/4" = 1'-0"



A4 OFFICE 2-01 - WEST ELEV.

A-412 | A-412 1/4" = 1'-0"

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Δ	DATE	DESCRIPTION

Project Number: 223072.00

Sheet Issue Date: 2024-11-22

Drawn By: ST

Checked By: LG

Key Map

Drawing

INTERIOR ENLARGED PLANS AND ELEVATIONS

A-412

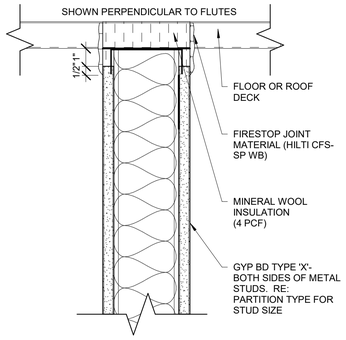
SITE PLAN SUBMITTAL
Page 268 of 311

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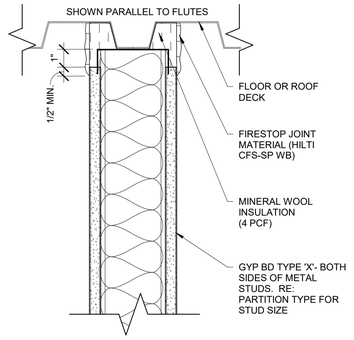
HEAD CONDITION - RATED

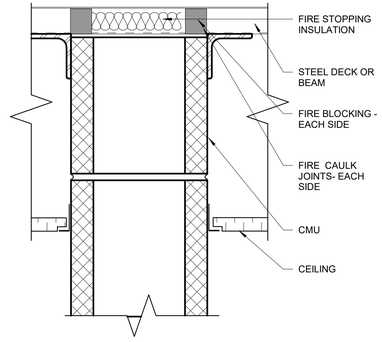


1 HOUR RATED HEAD

1---R

SEE GENERAL PARTITION TYPE FOR REQUIRED STUD SIZE AND LAYERS OF GYP. BD.
UL HW-D-1067

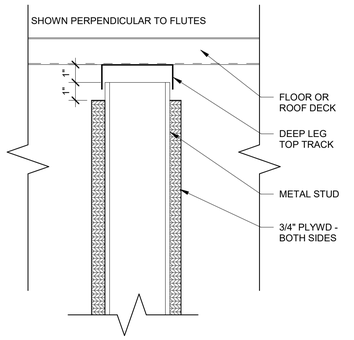




RATED CMU PARTITION HEAD

SEE GENERAL PARTITION TYPE FOR MASONRY WIDTH

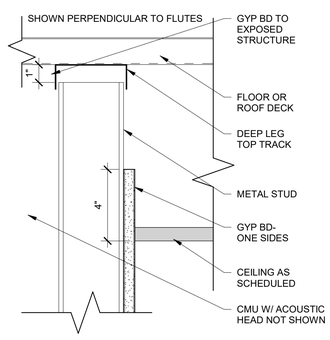
HEAD CONDITION - NON-RATED



NON-RATED PARTITION HEAD

---N

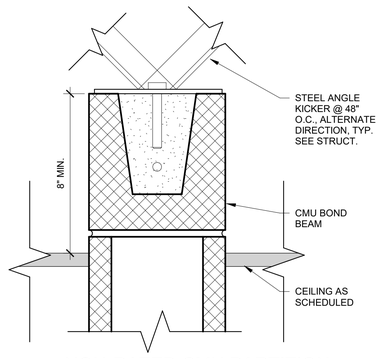
SEE GENERAL PARTITION TYPE FOR REQUIRED STUD SIZE AND LAYERS OF GYP. BD. (2 LAYERS SHOWN)



NON-RATED PARTITION HEAD

---N

SEE GENERAL PARTITION TYPE FOR REQUIRED STUD SIZE AND LAYERS OF GYP. BD.

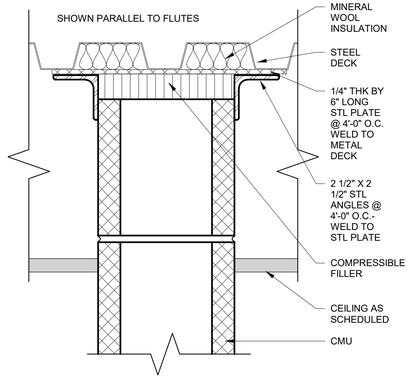


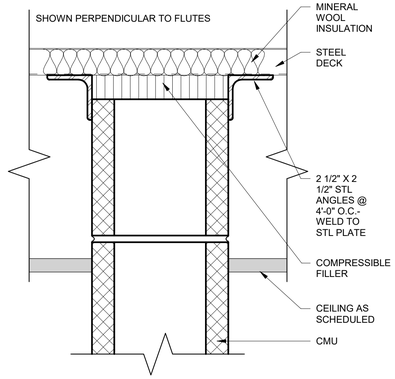
NON-RATED CMU PARTITION HEAD

---N

SEE GENERAL PARTITION TYPE FOR MASONRY WIDTH

HEAD CONDITION - ACOUSTICAL

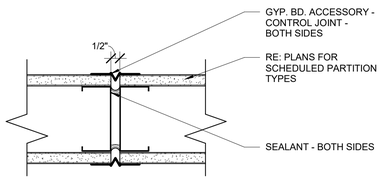




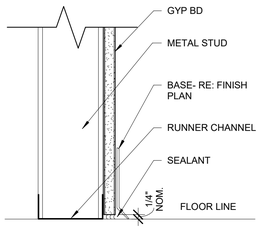
ACOUSTICAL CMU PARTITION HEAD

---A

SEE GENERAL PARTITION TYPE FOR MASONRY WIDTH



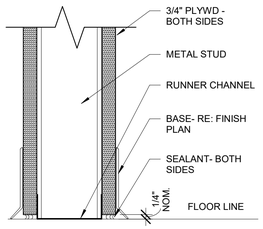
PLAN DETAIL - NON-RATED CONTROL JOINT



PARTITION TYPE 1

M21-

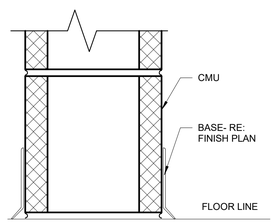
WITH 2-1/2" METAL STUD
(NOMINAL WIDTH 2)
PARTITION WIDTH = 3-1/8"



PARTITION TYPE 2

M32-

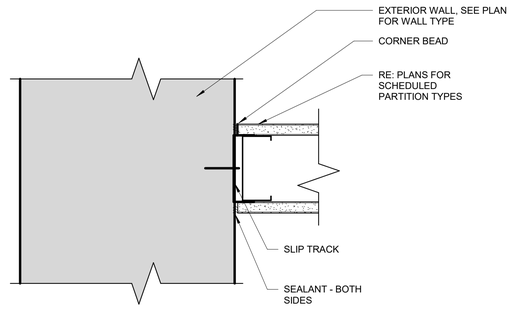
WITH 3-5/8" METAL STUD
(NOMINAL WIDTH 2)
PARTITION WIDTH = 5-1/8"



PARTITION TYPE 7 - CMU

C87-
U906

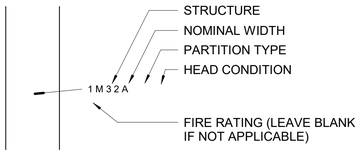
8"x8"x16" C.M.U.
(NOMINAL WIDTH 8)
U.L. DESIGN = U906



PLAN DETAIL @ EXTERIOR PERIMETER WALL

1 PARTITION TYPES- Salisbury
3" = 1'-0"

PARTITION TYPES LEGEND



PARTITION STRUCTURE LEGEND

(M) STEEL STUD	XMXXX
(W) WOOD STUD	XWXXX
(C) CONCRETE BLOCK	XCXXX
(P) PRE-CAST CONCRETE	XPXXX
(S) SITE-CAST CONCRETE	XSXXX

PARTITION TYPES NOTES

1. PARTITION TYPES ARE INDICATED ON THE FLOOR PLANS.
2. ALL PARTITIONS SHALL EXTEND STRUCTURE TO STRUCTURE UNLESS NOTED OTHERWISE.
3. CONSTRUCTION OF FIRE-RATED PARTITIONS, INCLUDING TAPING AND FINISHING OF GYP. BD. FOR FULL HEIGHT TO STRUCTURE ABOVE, SHALL BE IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS TO ACHIEVE THE RATING INDICATED.
4. SOUND ISOLATION PARTITIONS SHALL BE SEALED AIRTIGHT FOR FULL HEIGHT TO PREVENT PASSAGE OF AIRBORNE SOUND. TAPE AND FINISH ALL GYP. BD. JOINTS AND FASTENERS, PROVIDE SEALANT AT PERIMETER AND AT ALL PENETRATIONS.
5. PROVIDE FIRE-RETARDANT TREATED WOOD BLOCKING FOR PARTITION MOUNTED EQUIPMENT AND CASEWORK.
6. PARTITION TYPES DESCRIBE THE PRIMARY MEMBER AND SHEATHING. REFER TO FINISH SCHEDULE FOR ALL PARTITION FINISH DESIGNATIONS.
7. PROVIDE SLIP JOINT CONNECTIONS AT THE TOPS OF ALL PARTITIONS WHICH INTERSECT THE STRUCTURE ABOVE. PROVIDE FIRE SAFING AT ALL SLIP JOINT CONNECTIONS IN FIRE RATED PARTITIONS.
8. PROVIDE GYP. BD. CONTROL JOINTS WHERE DESIGNATED ON THE INTERIOR ELEVATIONS (A-400 SHEETS) AND ANYWHERE THERE IS A CONTINUOUS RUN OF GYP. BD. THAT IS GREATER THAN 30'-0" IN LENGTH. CONFIRM THE LOCATION OF ADDITIONAL CONTROL JOINTS WITH THE ARCHITECT PRIOR TO INSTALLATION.

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Checked By:	LG

Key Map

Drawing

PARTITION TYPES

A-510

SITE PLAN SUBMITTAL
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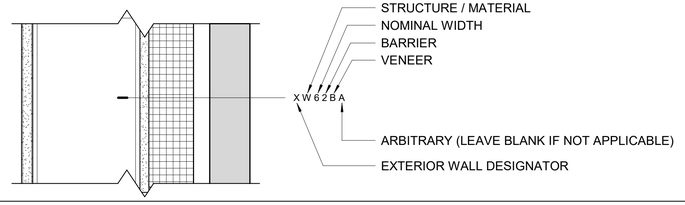
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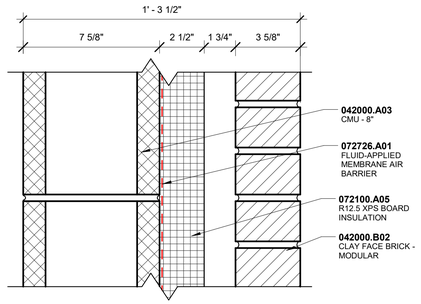
A B C D

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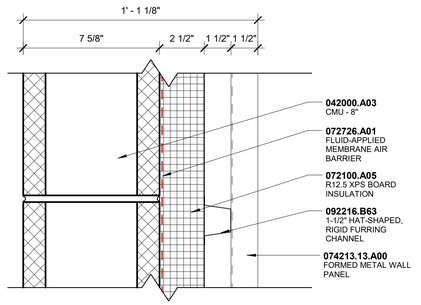
ASSEMBLY TYPES LEGEND





POLY-ISO + AIR BARRIER

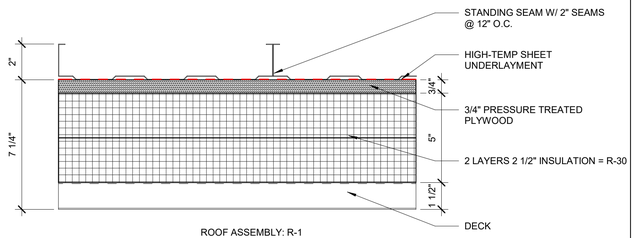
XC83B



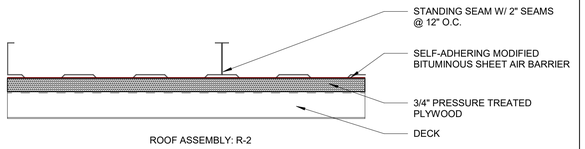
POLY-ISO + AIR BARRIER

XC83M

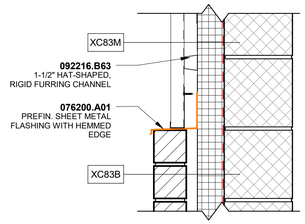
ROOF TYPES LEGEND



ROOF ASSEMBLY: R-1

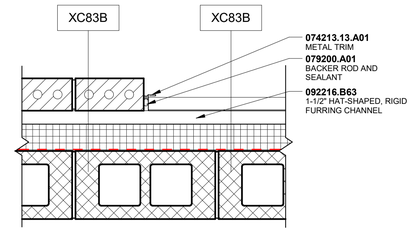


ROOF ASSEMBLY: R-2



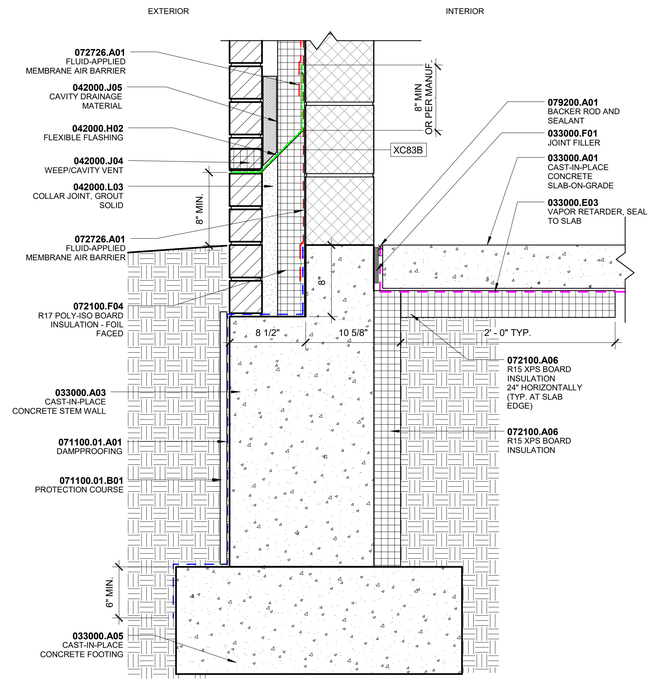
D5 SECTION DETAIL - TRANSITION - BRICK AND METAL PANEL

A-310 | A-511 1 1/2" = 1'-0"



C5 PLAN DETAIL - TRANSITION - BRICK AND METAL PANEL

A-511 1 1/2" = 1'-0"



A4 FOUNDATION - XC123B

A-310 | A-511 1 1/2" = 1'-0"

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Key Map

Drawing

ASSEMBLY SYSTEMS & EXTERIOR DETAILS

A-511

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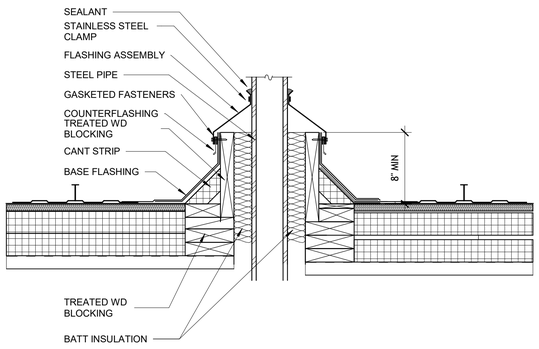
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D C B A

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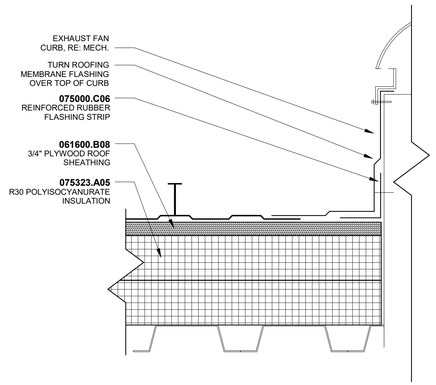
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ROOF ASSEMBLY: R-1

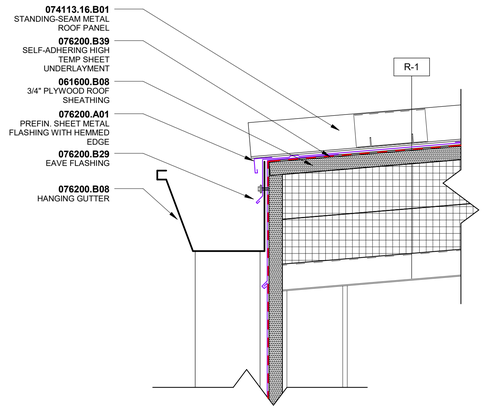
C1 ROOF EXHAUST PIPE PENETRATION

A-512 | 1 1/2" = 1'-0"



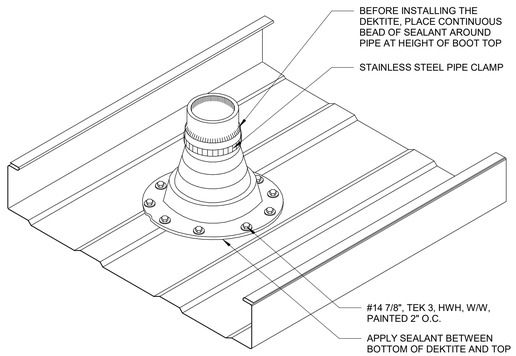
C2 ROOF DETAIL - EXHAUST FAN CURB

A-512 | 3" = 1'-0"



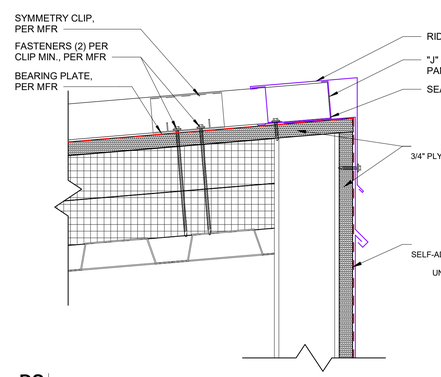
C3 OVERHANG - GUTTER

A-310 | A-512 | 3" = 1'-0"



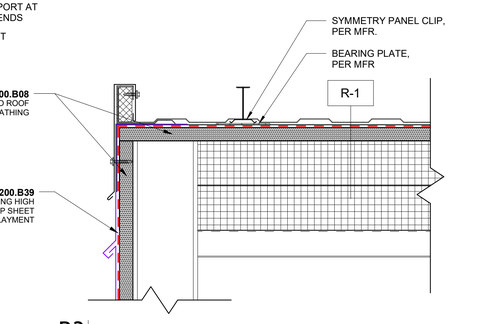
B1 ROOF DETAIL - PIPE PENETRATION AXON

A-512 | 3" = 1'-0"



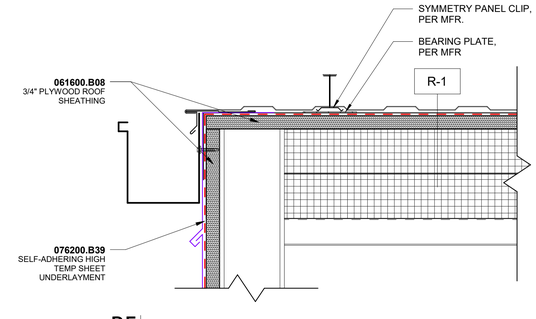
B2 ROOF DETAIL - HIGH EAVE FIXED

A-512 | A-512 | 3" = 1'-0"



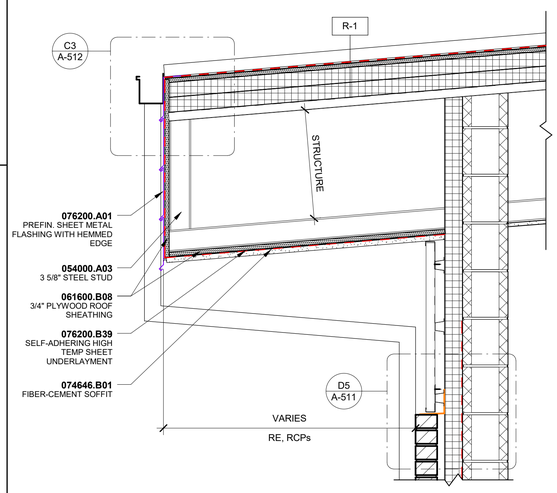
B3 ROOF DETAIL - RAKE EDGE

A-512 | A-512 | 3" = 1'-0"



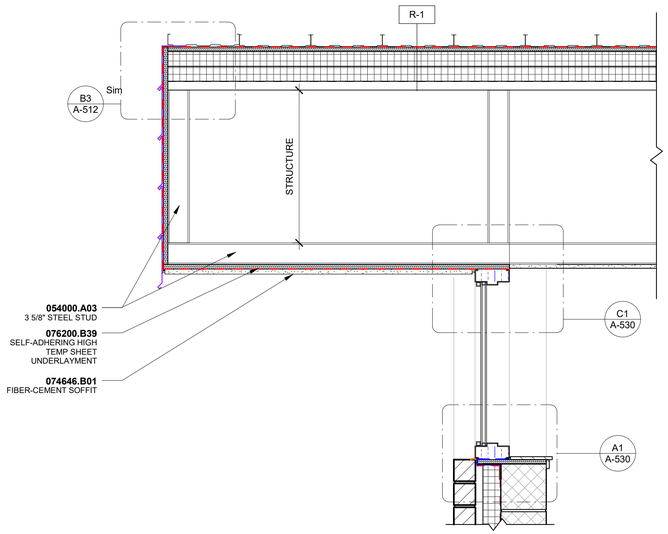
B5 ROOF DETAIL - RAKE EDGE GUTTER

A-512 | 3" = 1'-0"



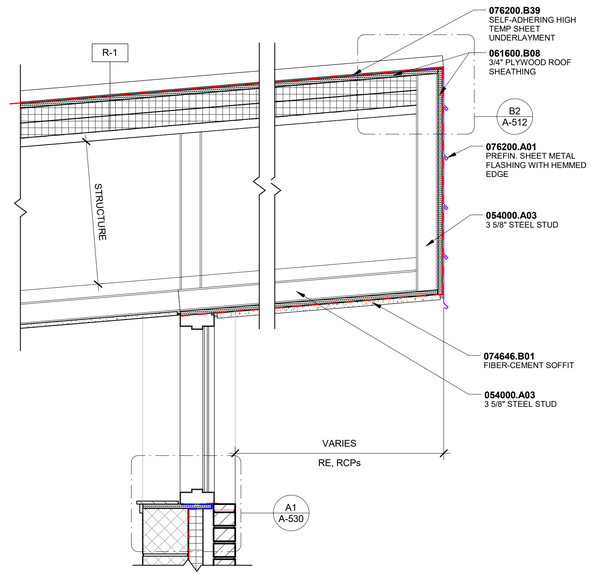
A1 OVERHANG - LOW SIDE SLOPED ROOF

A-310 | A-512 | 1" = 1'-0"



A2 CLERESTORY @ ROOF OVERHANG

A-300 | A-512 | 1" = 1'-0"



A4 OVERHANG - HIGH SIDE SLOPED ROOF

A-310 | A-512 | 1" = 1'-0"

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Checked By: LG

Key Map

Drawing

EXTERIOR DETAILS - ROOFING

A-512

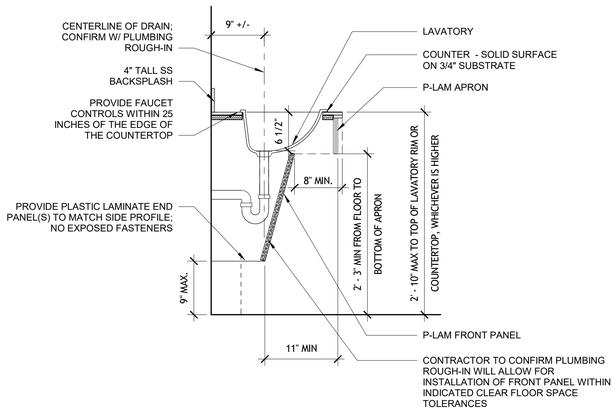
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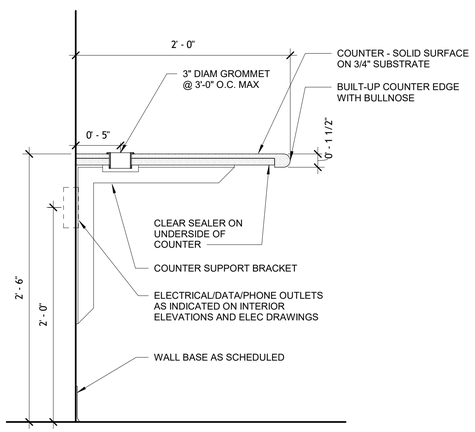
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K Y M C



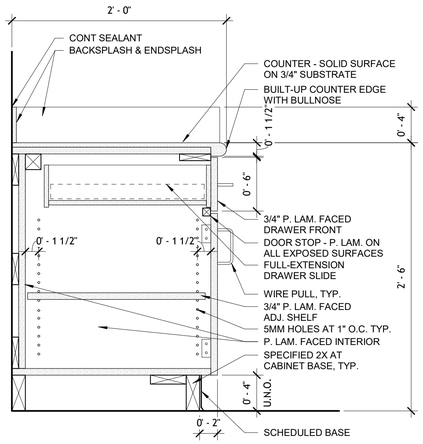
B1 ACCESSIBLE LAVATORY DETAIL-GRANITE OR SOLID SURFACE COUNTER

A-412 | A-520 1" = 1'-0"



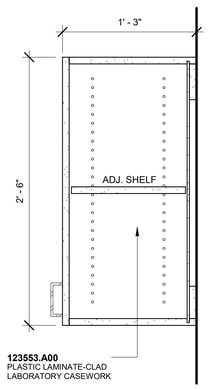
A1 TYP. COUNTER SUPPORT

A-520 1 1/2" = 1'-0"



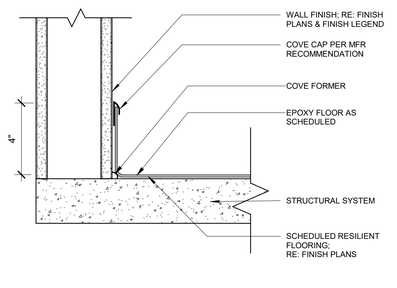
A2 BCC/BCD/BCE.1 BASE CABINET W/ DRAWER

A-520 1 1/2" = 1'-0"



A3 CASEWORK SECTION - UPPER CABINET

A-520 1 1/2" = 1'-0"



A4 FLOORING TRANSITION - EPOXY FLOORING INTEGRAL BASE

A-520 3" = 1'-0"

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Key Map

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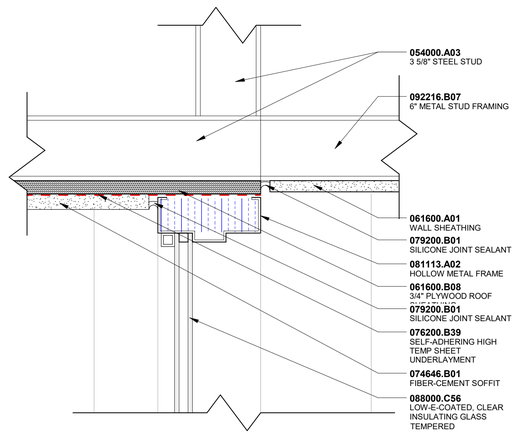
INTERIOR DETAILS

A-520

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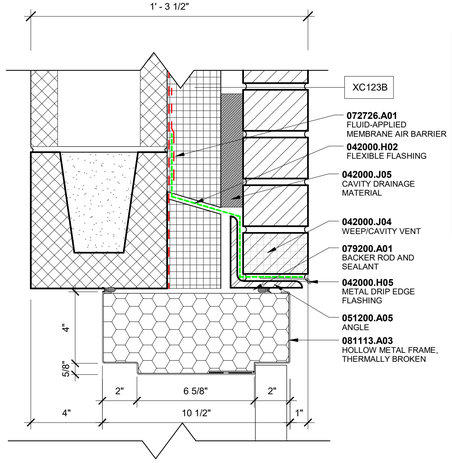
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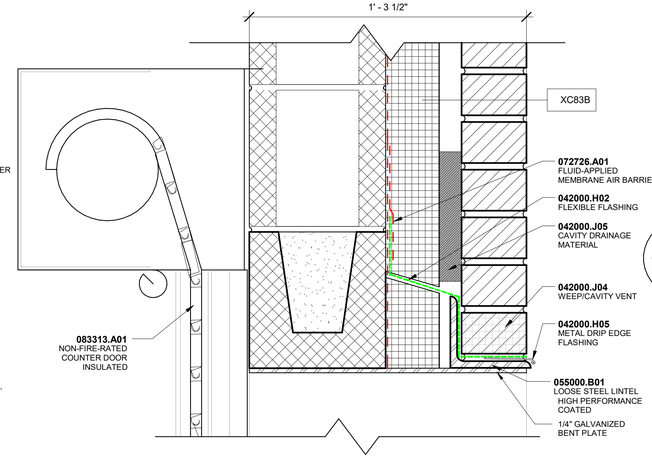
C1 HM HEAD @ SOFFIT

A-512 | A-530 3" = 1'-0"



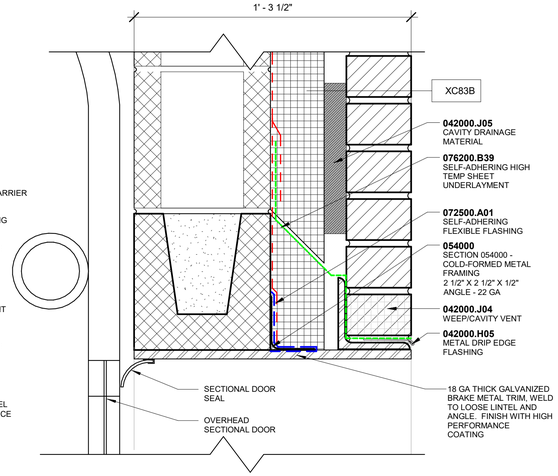
C2 HM HEAD @ XC83B

A-530 3" = 1'-0"



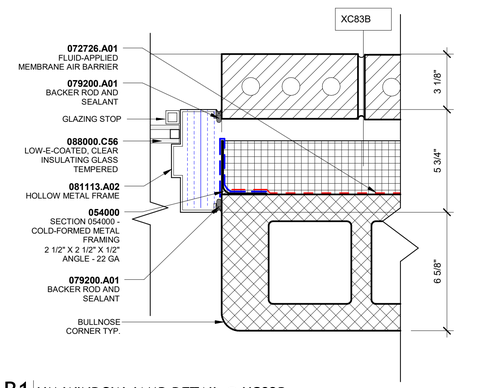
C3 COILING DOOR HEAD @ XC8B3

A-530 3" = 1'-0"



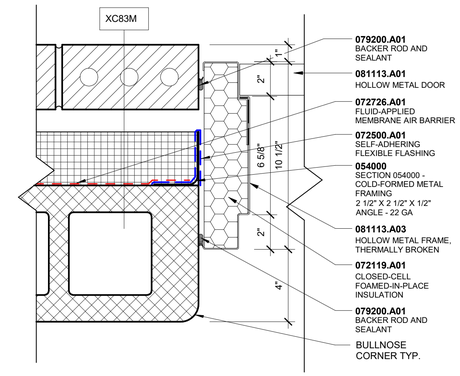
C4 OVERHEAD SECTIONAL DOOR @ XC83B

A-530 3" = 1'-0"



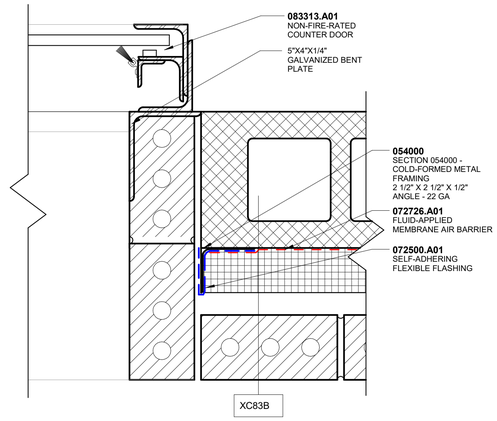
B1 HM WINDOW JAMB DETAIL @ XC83B

A-530 3" = 1'-0"



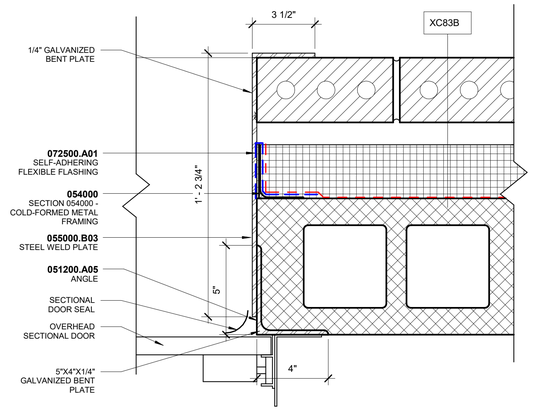
B2 HM JAMB XC83B

A-530 3" = 1'-0"



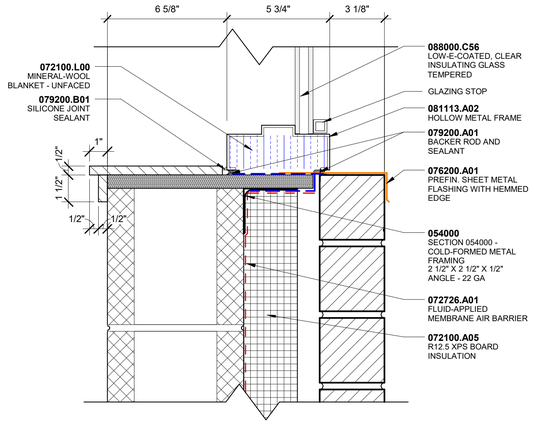
B3 COILING DOOR JAMB @ XC8B3

A-530 3" = 1'-0"



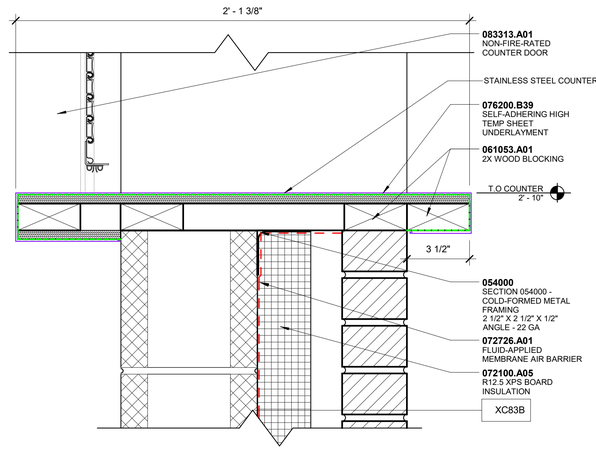
B4 GARAGE SECTIONAL DOOR @ XC83B

A-530 3" = 1'-0"



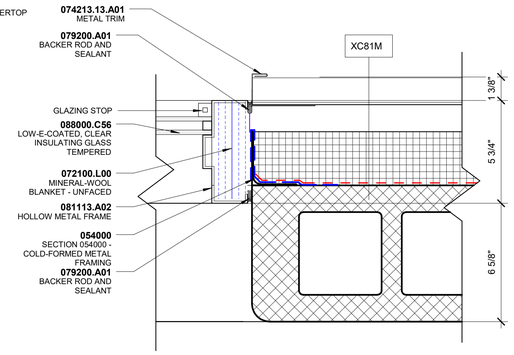
A1 EXT. SILL DETAIL @ XC83B

A-310 | A-530 3" = 1'-0"



A2 COILING DOOR SILL @ XC8B3

A-530 3" = 1'-0"



A4 HM WINDOW JAMB DETAIL @ XC81M

A-530 3" = 1'-0"

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Key Map

Drawing

DOOR & WINDOW DETAILS

A-530

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C M Y K

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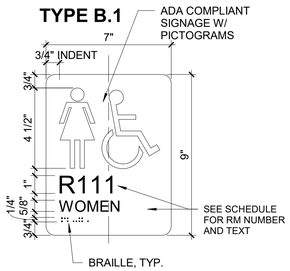
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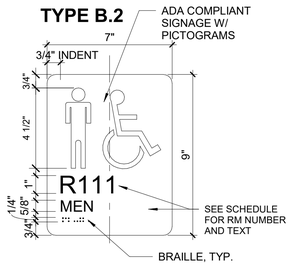
SIGNAGE SCHEDULE

Signage Door Mark	Signage Type	Signage Number	Signage Text	Signage Placement	Comments
1-01.2	D	1-01	1-01	EXTERIOR	
1-02.0	D	1-02	1-02	EXTERIOR	
1-02.2	D	1-02	1-02	STORAGE	
1-03.1	D	1-03	1-03	EXTERIOR	
1-04	B.2	1-04	MEN	EXTERIOR	
1-05	B.3	1-05	FAMILY RESTROOM	EXTERIOR	
1-06	B.1	1-06	WOMEN	EXTERIOR	
2-01	D	2-01	2-01	EXTERIOR	
2-02	D	2-02	2-02	EXTERIOR	
2-03	B.3	2-03	FAMILY RESTROOM	EXTERIOR	
2-04	B.1	2-04	WOMEN	EXTERIOR	
2-05	D	2-05	2-05	EXTERIOR	
2-06	B.2	2-06	MEN	EXTERIOR	
2-07	D	2-07	2-07	EXTERIOR	
2-08	D	2-08	2-08	EXTERIOR	

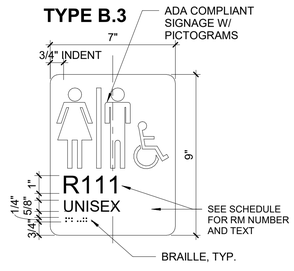
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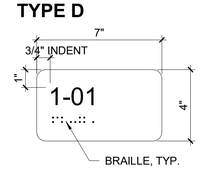
TYPE B.2



TYPE B.3



TYPE D



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ARCHITECTURE

LANDSCAPE ARCHITECTURE

PLANNING

INTERIOR DESIGN

Δ	DATE	DESCRIPTION

Project Number: 223072.00
Sheet Issue Date: 2024-11-22
Drawn By: ST
Checked By: LG

Key Map

Drawing

ROOM SIGNAGE

A-600

SITE PLAN SUBMITTAL

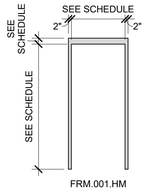
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THE LINE SHOWN ABOVE IS EQUAL TO 1" WHEN PLOTTED ON ANSI D SHEETS ORIGINAL PAGE SIZE

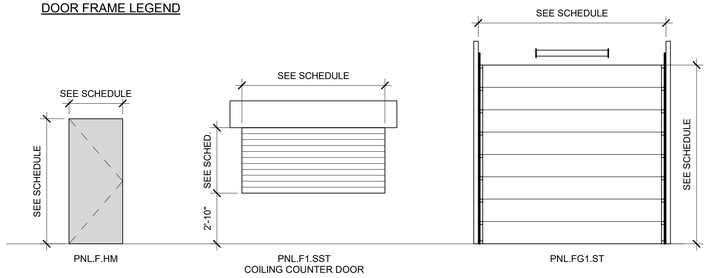
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DOOR SCHEDULE

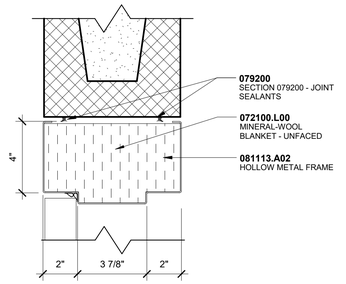
MARK	ROOM NAME	DOOR							FRAME			DETAILS		COMMENTS
		PANEL 1 WIDTH	PANEL 2 WIDTH	PANEL TYPE	HEIGHT	MATERIAL	PANEL THICKNESS	HARDWARE SET	TYPE	FRAME HEAD HT	FIRE RATING	HEAD	JAMB	
1-01.1	STORAGE	8' - 8"		PNL.F. STL	8' - 0"	STEEL	0' - 1"	MANUF.	FRM.FG1.ST			C4/A-530	B4/A-530	
1-01.2	STORAGE	3' - 0"		PNL.F.HM	7' - 0"	HM	0' - 1 3/4"	04	FRM.001.HM1	0' - 4"		C2/A-530	B2/A-530	
1-02.1	ELEC.	3' - 0"		PNL.F.HM	7' - 0"	HM	0' - 1 3/4"	05	FRM.001.HM1	0' - 4"		C2/A-530	B2/A-530	
1-02.2	ELEC.	3' - 0"		PNL.F.HM	7' - 0"	HM	0' - 1 3/4"	06	FRM.001.HM1	0' - 4"		C2/A-530	B2/A-530	
1-03.1	IT ROOM	3' - 0"		PNL.F.HM	7' - 0"	HM	0' - 1 3/4"	04	FRM.001.HM1	0' - 4"		C2/A-530	B2/A-530	
1-04	MEN	3' - 0"		PNL.F.HM	7' - 0"	HM	0' - 1 3/4"	02	FRM.001.HM1	0' - 4"		C2/A-530	B2/A-530	
1-05	FAMILY RESTROOM	3' - 0"		PNL.F.HM	7' - 0"	HM	0' - 1 3/4"	01	FRM.001.HM1	0' - 4"		C2/A-530	B2/A-530	
1-06	WOMEN	3' - 0"		PNL.F.HM	7' - 0"	HM	0' - 1 3/4"	02	FRM.001.HM1	0' - 4"		C2/A-530	B2/A-530	
2-01	OFFICE	3' - 0"		PNL.F.HM	7' - 0"	HM	0' - 1 3/4"	04	FRM.001.HM1	0' - 4"		C2/A-530	B2/A-530	
2-01.1	OFFICE	9' - 4"		PNL.F1.STL	4' - 8"	STEEL	0' - 1"	MANUF.	FRM.F1.ST		-	C3/A-530	B3/A-530	INSULATED COUNTER DOOR
2-02	IT	3' - 0"		PNL.F.HM	7' - 0"	HM	0' - 1 3/4"	04	FRM.001.HM1	0' - 4"		C2/A-530	B2/A-530	
2-03	FAMILY RESTROOM	3' - 0"		PNL.F.HM	7' - 0"	HM	0' - 1 3/4"	01	FRM.001.HM1	0' - 4"		C2/A-530	B2/A-530	
2-04	WOMEN	3' - 0"		PNL.F.HM	7' - 0"	HM	0' - 1 3/4"	02	FRM.001.HM1	0' - 4"		C2/A-530	B2/A-530	
2-05	UTILITY	3' - 0"		PNL.F.HM	7' - 0"	HM	0' - 1 3/4"	04	FRM.001.HM1	0' - 4"		C2/A-530	B2/A-530	
2-06	MEN	3' - 0"		PNL.F.HM	7' - 0"	HM	0' - 1 3/4"	02	FRM.001.HM1	0' - 4"		C2/A-530	B2/A-530	
2-07	ELEC.	3' - 0"		PNL.F.HM	7' - 0"	HM	0' - 1 3/4"	05	FRM.001.HM1	0' - 4"		C2/A-530	B2/A-530	
2-08	STORAGE	3' - 2"	3' - 2"	PNL.F.HM	7' - 0"	HM	0' - 1 3/4"	03	FRM.001.HM1	0' - 4"		C2/A-530	B2/A-530	
E-03.1	CONCESSION	8' - 0"		PNL.F1.STL	3' - 8"	STEEL	0' - 1"	MANUF.	FRM.F1.ST		-	D4/A-311	B4/A-311	INSULATED COUNTER DOOR



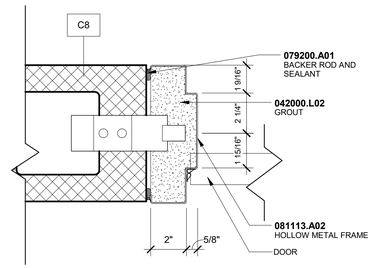
DOOR FRAME LEGEND



DOOR PANEL LEGEND



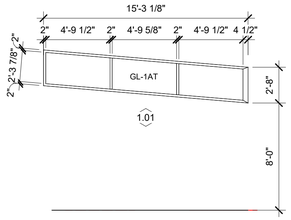
D5 HM HEAD C87A
A-610 3" = 1'-0"

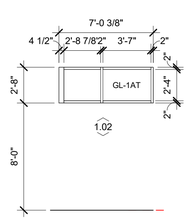


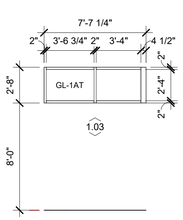
C5 HM JAMB C87A
A-610 3" = 1'-0"

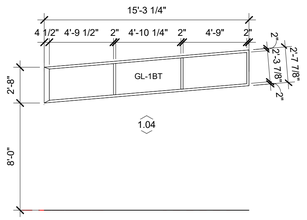
GLAZING LEGEND

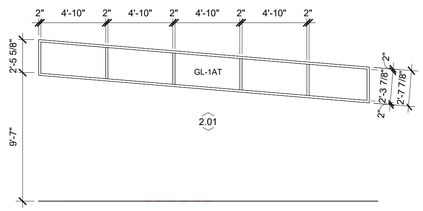
GL-1AT: 1" VISION GLASS, TEMPERED (SOUTH/WEST/EAST)
GL-1BT: 1" VISION GLASS, TEMPERED (NORTH)

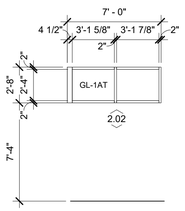


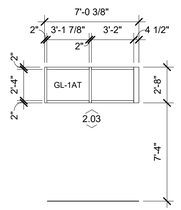


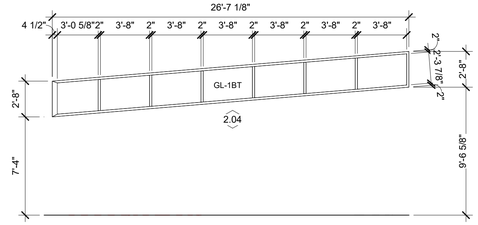


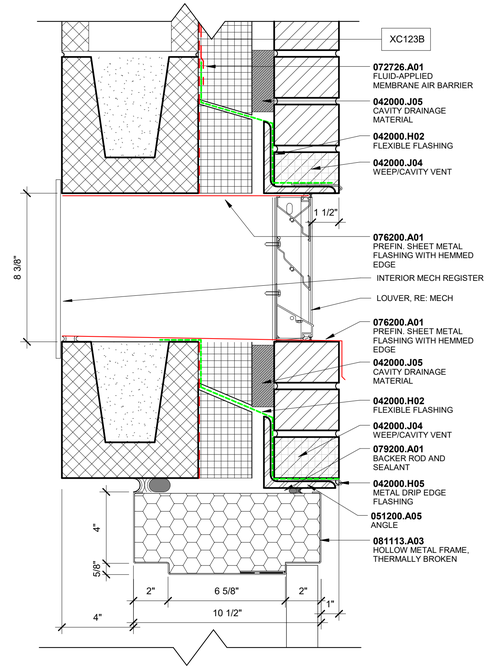












A4 HM HEAD @ XC83B WITH MECH LOUVER
A-610 3" = 1'-0"

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ARCHITECTURE
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Δ	DATE	DESCRIPTION

Project Number:	223072.00
Sheet Issue Date:	2024-11-22
Drawn By:	ST
Checked By:	LG

Key Map

Drawing

DOOR & CLERESTORY SCHEDULE AND TYPES

A-610

SITE PLAN SUBMITTAL
Page 275 of 311

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THE LINE SHOWN ABOVE IS EXACTLY 1" WHEN PLOTTED AT FULL SIZED SHEETS ORIGINAL PAGE SIZE

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FAN SCHEDULE

SYMBOL	AREA SERVED	MANUFACTURER MODEL	TYPE	CFM @ 5,400'	ESP IN WC @5,400'	DRIVE TYPE	SONES [DBA]	FAN RPM	HP	ELECTRICAL DATA V / PH	CONTROL	WEIGHT (LBS.)	REMARKS
EF-1	MEN/WOMAN ROOM	GREENHECK CSP-A-510	IN-LINE CABINET	350	0.40	DIRECT	0.9	1182	66W	115 / 1	LIGHT INTERLOCK	40	2,4
EF-2	FAMILY RESTROOM	GREENHECK CSP-A200	IN-LINE CABINET	100	0.40	DIRECT	1.4	825	96W	115 / 1	LIGHT INTERLOCK	30	2
EF-3	1-01 STORAGE	GREENHECK G-100	CENTRIFUGAL ROOF	1,000	0.40	DIRECT	8.4	1480	1/4	115 / 1	WALL TIMER	65	1
EF-4	ELEC/IT	GREENHECK CSP-A-510	IN-LINE CABINET	350	0.40	DIRECT	0.9	1182	66W	115 / 1	24V T-STAT	40	2,3

REMARKS:
1. PROVIDE WITH GRAVITY BACKDRAFT DAMPER, ECM MOTOR, AND ROOF CURB.
2. PROVIDE WITH GRAVITY BACKDRAFT DAMPER, DAMPER TRAY, ECM MOTOR, MANUFACTURER'S ROOF CAP
3. PROVIDE EF-4 IN STORAGE ROOM 2-08 WITH A LINE VOLTAGE WALL TIMER IN LIEU OF A THERMOSTAT.
4. PROVIDE EF-1 IN UTILITY ROOM 2-05 WITH A LINE VOLTAGE WALL TIMER IN LIEU OF A THERMOSTAT.

ELECTRIC CABINET UNIT HEATER SCHEDULE

SYMBOL	AREA SERVED	MANUF. MODEL	CABINET TYPE	INLET / DISCHARGE CONFIGURATION	CFM @ 5,400'	OUTPUT (MBH)	KW	MOTOR HP	ELECTRICAL DATA			CONTROL	WEIGHT (LBS.)	REMARKS
									V / PH	MCA	MOCP			
ECUH-1	RESTROOM	QMARK CDF558	CEILING RECESSED	BOTTOM/ BOTTOM	100	17	5	1 / 100	208/1	24	-	UNIT T-STAT	30	1
ECUH-2	FAMILY RESTROOM	QMARK CDF548	CEILING RECESSED	BOTTOM/ BOTTOM	100	7	2	1 / 100	208/1	10	-	UNIT T-STAT	30	1

REMARKS:
1. SEE SPECIFICATIONS FOR OPTIONS, ACCESSORIES, CONTROLS AND SEQUENCE OF OPERATION.

ELECTRIC UNIT HEATER SCHEDULE

SYMBOL	AREA SERVED	MANUF. MODEL	MOUNTING TYPE	DISCHARGE TYPE	CFM@ 5,400'	OUTPUT (MBH)	KW	MOTOR HP	ELECTRICAL			CONTROL	WEIGHT (LBS.)	REMARKS
									V / PH	MCA	MOCP			
EUH-1	STORAGE SPACES	QMARK MUH05-81	VERTICAL	HORIZONTAL	350	17	5	1 / 100	208 / 1	24	-	UNIT T-STAT	30	1, 2

REMARKS:
1. SELECTION BASED ON 50°F. EAT
2. PROVIDE WITH MOUNTING BRACKETS, SUPPORTS MOUNTING TYPE.

LOUVER SCHEDULE

SYMBOL	SERVICE	MANUFACTURER MODEL	CFM	SIZE W" x H"	FREE AREA SQ. FT.	MAX APD IN WC	ACCESSORIES	FRAME	REMARKS
LVR-1	INTAKE	GREENHECK ESD-202	350	40x8	0.6	0.05	BIRDSCREEN	FLANGED	1,2
LVR-2	INTAKE	GREENHECK ESD-202	100	40x8	0.6	0.05	BIRDSCREEN	FLANGED	1,2
LVR-3	INTAKE	GREENHECK ESD-635	1000	28x16	0.6	0.05	BIRDSCREEN	FLANGED	1,2

REMARKS:
1. PROVIDE WITH FACTORY APPLIED BAKED ENAMEL FINISH, COORDINATE COLOR WITH ARCHITECT.
2. PROVIDE WITH 1/2"x1/2" ALUMINUM BIRDSCREEN ON INTERIOR FACE OF LOUVER AND BAROMETRIC BACKDRAFT DAMPER.

DUCTLESS SPLIT AIR CONDITIONING SYSTEM SCHEDULE

SYMBOL	AREA SERVED	MANUFACTURER MODEL	ASSOCIATED CONDENSING UNIT	COOLING CAPACITY (MBH)	CFM	MIN. EFF SEER @AHRI	REFRIGERANT DATA				ELECTRICAL		WEIGHT (LBS.)	REMARKS
							RL(IN)	RS(IN)	TYPE	LBS	V / PH	MCA		
AC-1	IT ROOM	LG ARNU303SVA4	CU-1	30	706	23	3/8	5/8	R410A	3.5	208/1	0.5	40	1,2
AC-2	IT ROOM	LG ARNU303SVA4	CU-1	30	706	23	3/8	5/8	R410A	3.5	208/1	0.5	40	1,2
AC-3	IT ROOM	LG ARNU303SVA4	CU-2	30	706	23	3/8	5/8	R410A	3.5	208/1	0.5	40	1,2
AC-4	OFFICE	LG ARNU283TAA4	CU-2	28	770	23	3/8	5/8	R410A	3.5	208/1	1.6	65	1,2
AC-5	IT ROOM	LG LSN303HLV3	CU-3	30	601	20.5	3/8	5/8	R410A	5.3	208/1	0.25	45	1,2

REMARKS:
1. WALL-MOUNTED UNIT AT MINIMUM 8' AFF.
2. PROVIDE WITH REFRIGERATION LINE KIT, FACTORY CONDENSATE PUMP AND WIRED THERMOSTAT.

DUCTLESS SPLIT SYSTEM CONDENSING UNIT SCHEDULE

SYMBOL	AREA SERVED	MANUFACTURER MODEL	ASSOCIATED INDOOR UNIT	COOLING CAPACITY (MBH)	MIN. EFF SEER @AHRI	REFRIGERANT DATA				ELECTRICAL				WEIGHT (LBS.)	REMARKS
						RL(IN)	RS(IN)	TYPE	LBS	V / PH	MCA	MOCP	SCCR		
CU-1	IT ROOM	LG ARUN060GSS4	AC-1, AC-2	64	23	3/8	3/4	R410A	7.7	208/1	25	40	-	260	1,2
CU-2	IT ROOM/ OFFICE	LG ARUN060GSS4	AC-3, AC-4	64	23	3/8	3/4	R410A	7.7	208/1	25	40	-	260	1,2
CU-3	IT ROOM	LG LSU303HLV3	AC-5	30	20.5	3/8	5/8	R410A	5.3	208/1	23	30	-	150	1,2

REMARKS:
1. PROVIDE WITH PATE MODEL SCEB ROOF BASE WITH SOLID COVER AND SSC-1 PIPING BOOTS. RE: DETAIL X/XXX
2. PROVIDE WITH LOW AMBIENT KIT.

2021 CODE NOTES

CODE NOTES
ABBREVIATIONS USED WITHIN INCLUDE:

YEAR	ABBREV.	CODE TYPE
2021	IBC	INTERNATIONAL BUILDING CODE
2021	IEBC	INTERNATIONAL EXISTING BUILDING CODE
2021	IMC	INTERNATIONAL MECHANICAL CODE
2021	IECC	INTERNATIONAL ENERGY CONSERVATION CODE
2021	IPC	INTERNATIONAL PLUMBING CODE
2021	CPC	COLORADO PLUMBING CODE
2021	IFC	INTERNATIONAL FIRE CODE
2021	IFGC	INTERNATIONAL FUEL GAS CODE
2021	CFGC	COLORADO FUEL GAS CODE
2023	NEC	NATIONAL ELECTRIC CODE
2017	ICC	INTERNATIONAL CODE COUNCIL (A117.1)
2017	ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
2021	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION

1. ALL WORK SHALL COMPLY WITH APPLICABLE CODES AS NOTED ABOVE.
2. AN AIR BALANCE REPORT SHALL BE PROVIDED TO THE BUILDING INSPECTOR TO ASSURE THAT PROPER AIRFLOWS AND SYSTEM BALANCE IS ACHIEVED AT TIME OF FINAL INSPECTIONS.
3. ALL MATERIALS INSTALLED WITHIN A PLENUM SHALL MEET THE FLAME/SMOKE LISTED INDEX OF 25/50 WHEN TESTED IN ACCORDANCE WITH ASTM E84 OR UL 723, OR BE INSTALLED TO COMPLY THE WITH REQUIREMENTS OF SECTION 703.3 OF THE IBC.
4. PIPE SUPPORTS SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 305.4, AND ANSI/MSS SP-58.
5. ALL EQUIPMENT INSTALLED ON ELEVATED ROOFS SHALL BE LOCATED A MINIMUM OF 10'-0" FROM ROOF EDGE PER 2021 IMC SECTION 306.
6. BUILDING HEATING AND COOLING LOADS ARE PERFORMED IN ACCORDANCE WITH ASHRAE/ACCA STANDARD 183, THROUGH THE USE OF COMPUTER LOAD CALCULATION PROCEDURES IN ACCORDANCE WITH 2021 IMC 312, AND 2021 IECC CHAPTER 3. THE METHODOLOGY UTILIZED IN LOAD CALCULATIONS IS TETD-TA1 IN ACCORDANCE WITH ASHRAE STANDARD 183 APPENDIX A. BUILDING PROPERTIES UTILIZED FOR HEATING AND COOLING LOAD CALCULATIONS HAVE BEEN PERFORMED BASED ON DESIGN ENVELOPE, FENESTRATION, LIGHTING, OCCUPANCY AS OUTLINED ON THE CONSTRUCTION DOCUMENTS, AND WEATHER CONDITIONS PER 2021 IECC SECTION 402.
7. ALL DUCTWORK SHALL BE CONSTRUCTED, INSTALLED, AND SEALED PER 2021 IMC SECTION 603.
8. PIPING SHALL BE INSTALLED AS TO PREVENT DETRIMENTAL STRAINS AND STRESSES PER 2021 IMC SECTION 1206.
9. DUCT AND TRANSFER OPENINGS SHALL BE INSTALLED IN ACCORDANCE WITH 2021 IMC SECTION 607. FIRE DAMPERS, SMOKE DAMPERS, AND COMBINATION FIRE/SMOKE DAMPERS SHALL BE INSTALLED WHERE REQUIRED IN 2021 IBC SECTIONS 714.2 THROUGH 714.4.
10. BUILDING PROPERTIES UTILIZED FOR BUILDING HEATING AND COOLING LOAD CALCULATIONS SHALL BE PERFORMED BASED ON DESIGN ENVELOPE, FENESTRATION, LIGHTING, OCCUPANCY, AND WEATHER CONDITIONS AS OUTLINED ON THE CONSTRUCTION DOCUMENTS PER 2021 IECC SECTION C402. REFER TO ARCHITECTURAL AND ELECTRICAL FOR REPRESENTATIVE ENVELOPE AND LIGHTING INFORMATION.
11. BUILDING MECHANICAL HEATING AND COOLING EQUIPMENT SHALL MEET MINIMUM ENERGY EFFICIENCIES OUTLINED IN 2021 IECC SECTION C403.

HVAC ABBREVIATIONS

SYMBOL	DESCRIPTION
ABV	ABOVE
AC	AIR CONDITIONER / CONDITIONING
AFF	ABOVE FINISHED FLOOR
AP	ACCESS PANEL
ALT	ALTITUDE
APD	AIR PRESSURE DROP
APPROX	APPROXIMATE, APPROXIMATELY
ARCH	ARCHITECT, ARCHITECTURAL
BLW	BELOW
BTUH	BRITISH THERMAL UNITS PER HOUR
CAP	CAPACITY
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
ΔT °F	CHANGE IN TEMPERATURE DEGREES FAHRENHEIT
CONC	CONCRETE
CONT	CONTINUE
CONST	CONSTRUCT, CONSTRUCTION
COORD	COORDINATE
DDC	DIRECT DIGITAL CONTROL
DIA	DIAMETER
DN	DOWN
EAT	ENTERING AIR TEMPERATURE
EWT	ENTERING WATER TEMPERATURE
EA	EACH
EC	ELECTRICAL CONTRACTOR
ELEC	ELECTRIC, ELECTRICAL
(E)	EXISTING
ESP	EXTERNAL STATIC PRESSURE
°F	DEGREES FAHRENHEIT
FT	FEET
FLR	FLOOR
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
HZ	HERTZ
HORIZ	HORIZONTAL
HP	HORSEPOWER
IN	INCHES
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	1,000 BTUH
MFG	MANUFACTURER
MC	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT AMPACITY
MIN	MINIMUM
MTD	MOUNTED
(N)	NEW
NC	NORMALLY CLOSED, NOISE CRITERIA
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OAT	OUTSIDE AIR TEMPERATURE
OBD	OPPOSED BLADE DAMPER
PSIG	POUNDS PER SQUARE INCH GAUGE
PD	PRESSURE DROP
PRV	PRESSURE REDUCING VALVE
(R)	RELOCATED
RA	RETURN AIR
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION
RPM	REVOLUTIONS PER MINUTE
Ø	ROUND, PHASE
SA	SUPPLY AIR
SEER	SEASONAL ENERGY EFFICIENCY RATING
SL	SEA LEVEL
SS	STAINLESS STEEL
TCC	TEMPERATURE CONTROL CONTRACTOR
TEMP	TEMPERATURE
TSP	TOTAL STATIC PRESSURE
TSTAT	THERMOSTAT
TYP	TYPICAL
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
V	VOLTS
WC	WATER COLUMN
WPD	WATER PRESSURE DROP
WT	WEIGHT

GENERAL

SYMBOL	DESCRIPTION
	CONNECT NEW TO EXISTING
* # SHEET	REFERENCE BUBBLE * SECTION NUMBER # SHEET NUMBER
#	REVISION NUMBER
* # SHEET	SECTION OR ELEVATION BUBBLE * SECTION OR ELEVATION LETTER # REFERENCE DRAWING NUMBER
* # SHEET	ISOMETRIC OR ELEVATION BUBBLE * ISOMETRIC OR ELEVATION LETTER # REFERENCE DRAWING NUMBER
#	DRAWING NOTE
#	DEMOLITION NOTE
X	DEMOLITION NOTE, ALTERNATE
#	DRAWING NOTE, ALTERNATE

HVAC LEGEND

ALL SYMBOLS MAY NOT BE USED

SYMBOL	DESCRIPTION
HS	HOT WATER SUPPLY
HR	HOT WATER RETURN
CHS	CHILLED WATER SUPPLY
CHR	CHILLED WATER RETURN
LPS	LOW PRESSURE STEAM
LPC	LOW PRESSURE CONDENSATE
PC	PUMPED CONDENSATE
D	EQUIPMENT DRAIN
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION
G	GAS, LOW-PRESSURE
MG	GAS, MEDIUM-PRESSURE
HG	GAS, HIGH-PRESSURE
GV	GAS VENT
H	HUMIDISTAT
P	PRESSURE SENSOR
S	SENSOR
C	CO2 SENSOR
C_x	CO SENSOR
T	WALL MOUNTED THERMOSTAT
T	UNIT MOUNTED THERMOSTAT
I_x	SWITCH
	FIRE DAMPER
	COMBINATION FIRE / SMOKE DAMPER
	MANUAL VOLUME DAMPER WITH LOCKING QUADRANT
M	MOTORIZED DAMPER
	DIRECTION OF FLOW
	INDICATES PIPE SLOPE DOWN
	PIPING CAP
	PIPING UP
	PIPING DOWN
	BOTTOM OF PIPE CONNECTION
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	EXPANSION JOINT
	FLEXIBLE CONNECTOR
	PIPE ANCHOR
	PIPE GUIDE
	FLOW MEASURING DEVICE
	PLUG VALVE
	COMBINATION FLOW MEASURING DEVICE AND BALANCING VALVE
S	AUTOMATIC 2-WAY TEMPERATURE CONTROL VALVE
S	AUTOMATIC 3-WAY TEMPERATURE CONTROL VALVE
S	SOLENOID VALVE
	PRESSURE REDUCING VALVE
P/T	PRESSURE/TEMPERATURE PORT
	FLOW SWITCH
	SHUTOFF VALVE
	GLOBE VALVE
	CHECK VALVE
	BUTTERFLY VALVE
	BALL VALVE
	HOSE END DRAIN VALVE
	STRAINER WITH BLOW-OFF VALVE
	STRAINER
	UNION
	PRESSURE GAUGE
	THERMOMETER
	SAFETY RELIEF VALVE
	IN-LINE PUMP
	MANUAL AIR VENT
	RECTANGULAR SUPPLY AIR DUCT UP
	RECTANGULAR SUPPLY AIR DUCT DOWN
	RECTANGULAR RETURN / EXHAUST AIR DUCT UP
	RECTANGULAR RETURN / EXHAUST AIR DUCT DOWN
	ROUND DUCT UP
	ROUND DUCT DOWN
	BRANCH DUCT 45° TAKE-OFF
	RECTANGULAR DUCT ELBOW WITH TURNING VANES
	RADIUS ELBOW RECTANGULAR / ROUND DUCT
	DUCT TRANSITION
	FLEX CONNECTION
	MANUAL VOLUME DAMPER WITH LOCKING QUADRANT
	CONICAL SPIN-IN FITTING
	CONICAL SPIN-IN FITTING WITH DAMPER
	FLEXIBLE DUCT
	INDICATES ITEMS TO BE REMOVED

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Project Number: 223072.00
Sheet Issue Date: 2024-11-22
Drawn By: IPS
Checked By: JKB

Key Map

Drawing
MECHANICAL CODE SHEET

M-001

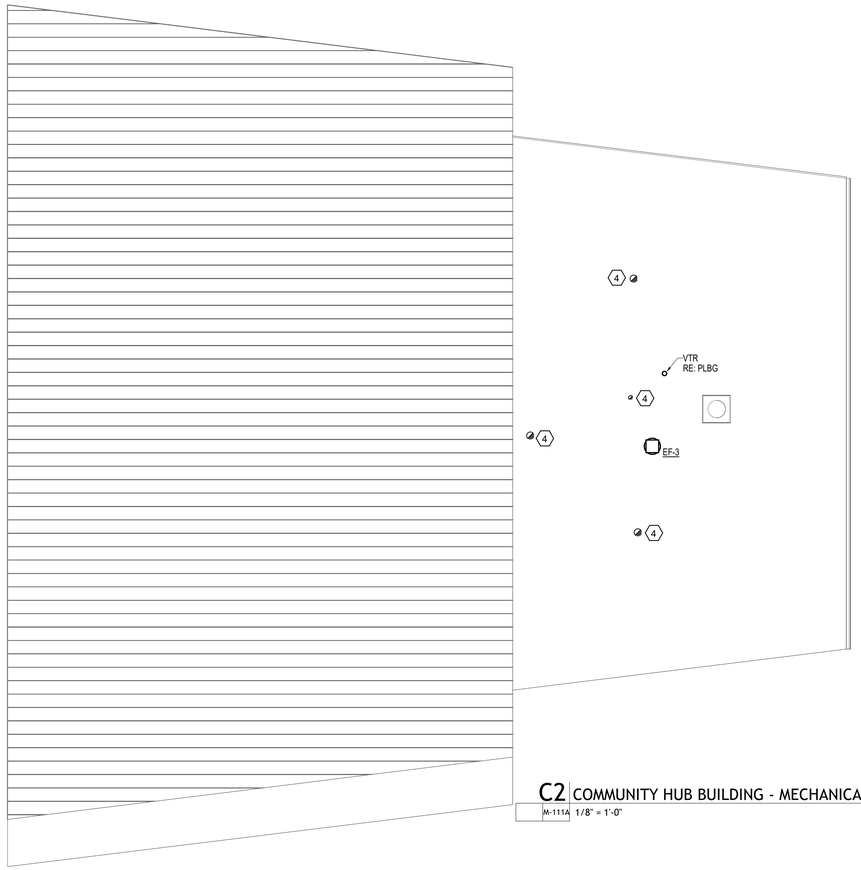
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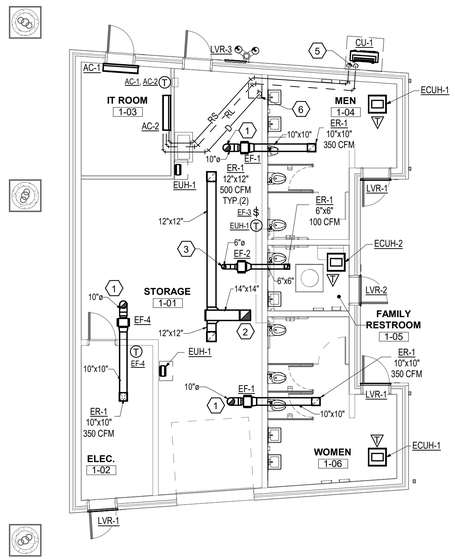


C2 COMMUNITY HUB BUILDING - MECHANICAL ROOF PLAN

M-111A 1/8" = 1'-0"

DRAWING NOTES

1. 10"Ø EXHAUST DUCT UP TO MANUFACTURER'S ROOF CAP TERMINATION ON ROOF.
2. 14x14 EXHAUST DUCT UP TO EF-3 ON ROOF.
3. 6"Ø EXHAUST DUCT UP TO MANUFACTURER'S ROOF CAP TERMINATION ON ROOF.
4. PROVIDE MANUFACTURER'S ROOF CAP AT EXHAUST TERMINATION.
5. RS/RL PIPING DOWN ALONG EXTERIOR WALL TO CONDENSING UNIT CONNECTION.
6. CONDESATE DRAIN PIPING DOWN ALONG WALL TO TERMINATION IN MOP SINK.



A1 COMMUNITY HUB BUILDING - MECHANICAL FLOOR PLAN

M-111A 1/8" = 1'-0"

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Checked By:	JKB

Key Map

Drawing

COMMUNITY HUB - MECHANICAL PLANS

M-111A

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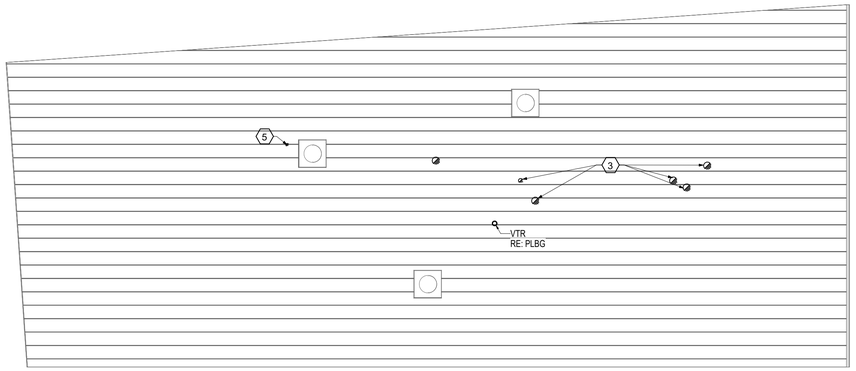
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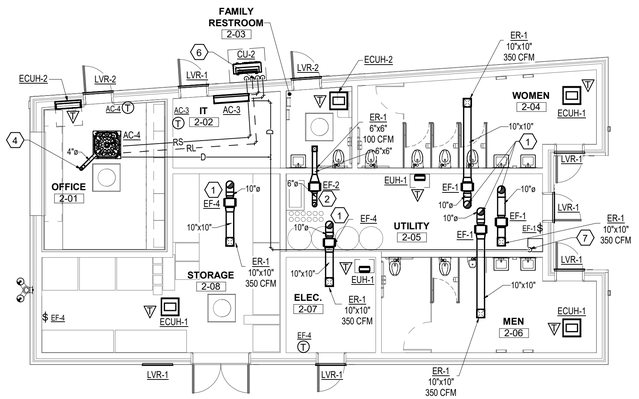
C1 HEADQUARTERS & RESTROOM BUILDING - MECHANICAL ROOF PLAN

M-111B 1/8" = 1'-0"

N

DRAWING NOTES

1. 10"Ø EXHAUST DUCT UP TO MANUFACTURER'S ROOF CAP TERMINATION ON ROOF.
2. 6"Ø EXHAUST DUCT UP TO MANUFACTURER'S ROOF CAP TERMINATION ON ROOF.
3. PROVIDE MANUFACTURER'S ROOF CAP AT EXHAUST TERMINATION.
4. 4"Ø OUTSIDE AIR DUCT UP THROUGH ROOF AND TERMINATE AT MANUFACTURER'S INTAKE CAP.
5. 4"Ø OUTSIDE AIR DUCT DOWN TO AC-4 BELOW.
6. RS/RL PIPING DOWN ALONG EXTERIOR WALL TO CONDENSING UNIT CONNECTION.
7. CONDENSATE DRAIN PIPING DOWN ALONG WALL TO TERMINATION IN MOP SINK.



A1 HEADQUARTERS & RESTROOM BUILDING - MECHANICAL FLOOR PLAN

M-111B 1/8" = 1'-0"

N

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Key Map

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HEADQUARTERS & RESTROOM - MECHANICAL PLANS

M-111B

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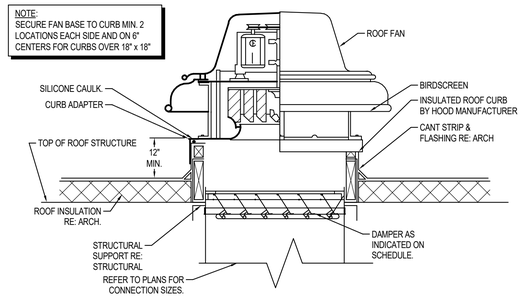
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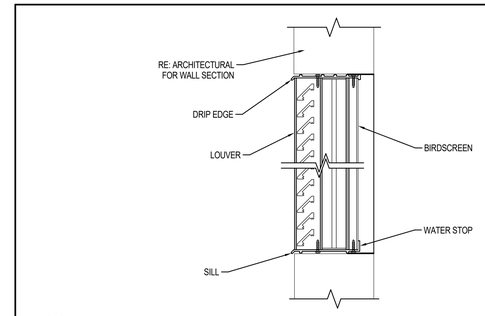
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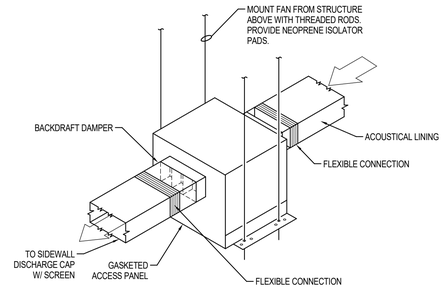
NOTE:
SECURE FAN BASE TO CURB MIN. 2 LOCATIONS EACH SIDE AND ON 6" CENTERS FOR CURBS OVER 18" x 18"



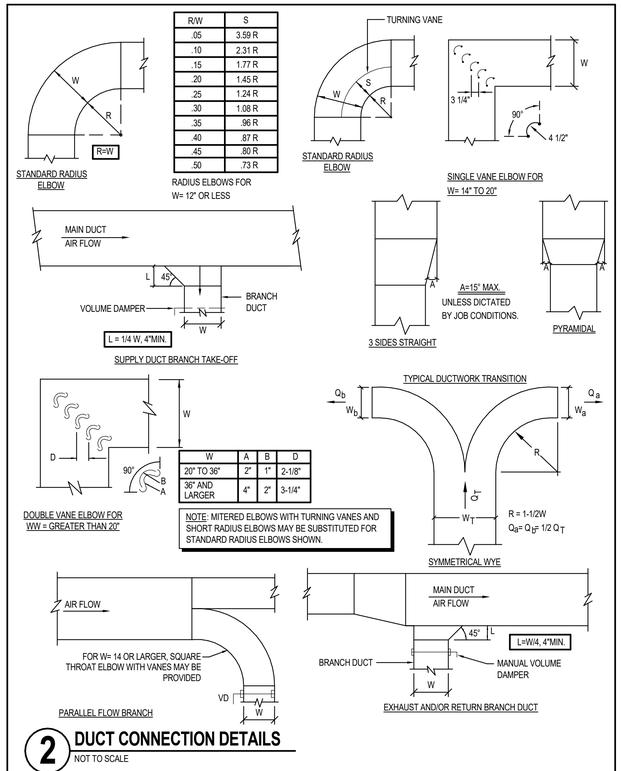
4 ROOF EXHAUST FAN DETAIL
NOT TO SCALE



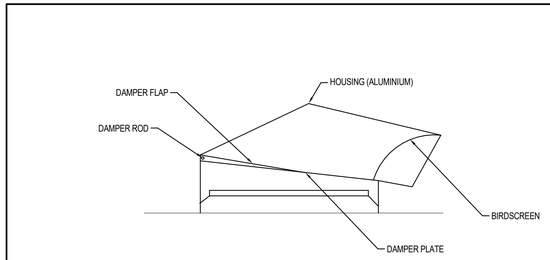
1 LOUVER DETAIL
NOT TO SCALE



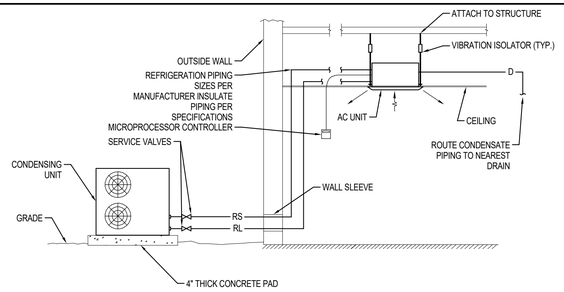
5 IN-LINE CEILING EXHAUST FAN DETAIL
NOT TO SCALE



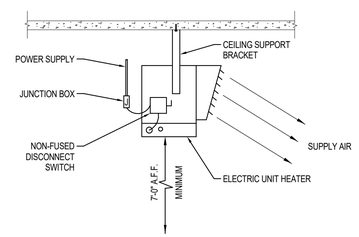
2 DUCT CONNECTION DETAILS
NOT TO SCALE



6 PITCHED ROOF CAP DETAIL
NOT TO SCALE



7 DUCTLESS SPLIT SYSTEM DIAGRAM
NOT TO SCALE



3 ELECTRIC UNIT HEATER MOUNTING DETAIL
NOT TO SCALE

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Key Map

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MECHANICAL DETAILS

M-501

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PIPE INSULATION SCHEDULE

SERVICE	LOCATION	INSULATION MATERIAL	VAPOR BARRIER	JACKET	OPERATING TEMPERATURE (° F)	INSULATION CONDUCTIVITY		NOMINAL PIPE SIZE (IN)					REMARKS
						CONDUCTIVITY BTU * IN / (H * FT² * ° F)	MEAN TEMP RATING (° F)	< 1	1 TO 1-1/2	1-1/2 TO 4	4 TO 8	≥ 8	
DOMESTIC COLD WATER	INTERIOR	GLASS FIBER WITH ASJ-SSL	YES	NONE	40 - 60	0.21 - 0.27	75	0.5	0.5	1	1	1	-
DOMESTIC HOT WATER & RECIRC.	INTERIOR	GLASS FIBER WITH ASJ-SSL	NONE	NONE	120 - 140	0.21 - 0.28	100	1	1.5	1.5	1.5	1.5	-

NOTES:
1. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL INSULATION REQUIREMENTS.
2. (ASTM E84) ALL INSULATION MATERIALS INSTALLED WITHIN THE PLENUM SHALL MEET THE FLAME/SMOKE REQUIREMENTS OF 25/50.

REMARKS:
1. FOR PIPING SMALLER THAN 1-1/2" INSTALLED WITHIN A BUILDING PARTITION WITHIN A CONDITIONED SPACE. INSULATION REDUCTION OF UP TO 1" BUT NOT LESS THAN 1" PER IECC TABLE C403.12.3, NOTE A.

Job Title: Salisbury Park North - Community Hub Restrooms and Storage
Job #: 023-039
Date 9/9/2024

2021 IPC DOMESTIC WATER SIZING
PER APPENDIX E

FIXTURE TYPE	OCCUPANCY	TYPE OF SUPPLY CONTROL	QTY	WATER SUPPLY FIXTURE UNIT LOAD VALUES (1) CW PER FIX.	CW TOTAL	HW PER FIX.	HW TOTAL	COMBINED HW & CW PER FIX.	COMBINED HW & CW TOTAL	WASTE FIX. DFU	WASTE TOTAL DFU
Drinking Fountain	Public	Faucet	1	0.25	0.25	0	0	0.25	0.25	0.5	0.5
Lavatory	Public	Faucet	5	1.5	7.5	1.5	7.5	2	10	1	5
Service Sink/Basin	Offices	Faucet	1	2.25	2.25	2.25	2.25	3	3	2	2
Urinal	Public	3/4" Flush Valve	1	5	5	0	0	5	5	2	2
Water Closet	Public	Flush Valve	6	10	60	0	0	10	60	4	24
Floor Drains- 2"			4	0	0	0	0	0	0	3	12
Indirect Waste-2"			1	0	0	0	0	0	0	3	3
Indirect Waste-4"			1	0	0	0	0	0	0	6	6
TOTAL FU					75		10		78.25		54.50
TOTAL GPM (From Hunter's Curve or Demand Estimate Table)					59.5		27		60.6		52

WATER SERVICE SIZE	1"	Per 2021 IPC Table E104.1: 250'-0" Maximum Length, over 60 psig pressure range.
WATER METER SIZE	1"	Per 2021 IPC Table E104.1: 250'-0" Maximum Length, over 60 psig pressure range.
DISTRIBUTION SIZE	1-1/2"	Per 2021 IPC Table E104.1: 250'-0" Maximum Length, over 60 psig pressure range.
SANITARY SEWER SIZE	4"	Per 2021 IPC Table 710.1(1) at 1/8" per foot slope

Job Title: Salisbury Park North - Headquarters and Restrooms
Job #: 023-039
Date 9/9/2024

2021 IPC DOMESTIC WATER SIZING
PER APPENDIX E

FIXTURE TYPE	OCCUPANCY	TYPE OF SUPPLY CONTROL	QTY	WATER SUPPLY FIXTURE UNIT LOAD VALUES (1) CW PER FIX.	CW TOTAL	HW PER FIX.	HW TOTAL	COMBINED HW & CW PER FIX.	COMBINED HW & CW TOTAL	WASTE FIX. DFU	WASTE TOTAL DFU
Drinking Fountain	Public	Faucet	1	0.25	0.25	0	0	0.25	0.25	0.5	0.5
Kitchen Sink	Hotel/Restaurant	Faucet	0	3	0	3	0	4	0	2	0
Lavatory	Public	Faucet	5	1.5	7.5	1.5	7.5	2	10	1	5
Service Sink/Basin	Offices	Faucet	1	2.25	2.25	2.25	2.25	3	3	2	2
Urinal	Public	3/4" Flush Valve	1	5	5	0	0	5	5	2	2
Water Closet	Public	Flush Valve	7	10	70	0	0	10	70	4	28
Floor Drains- 2"			3	0	0	0	0	0	0	3	9
Indirect Waste-2"			1	0	0	0	0	0	0	3	3
Indirect Waste-4"			1	0	0	0	0	0	0	6	6
Handsink	Public	Faucet	1	1.5	1.5	1.5	1.5	2	2	1	1
TOTAL FU					87		11		90.25		56.50
TOTAL GPM (From Hunter's Curve or Demand Estimate Table)					64		27.8		64.4		52

WATER SERVICE SIZE	1-1/2"	Per 2021 IPC Table E104.1: 100'-0" Maximum Length, over 60 psig pressure range.
WATER METER SIZE	1-1/2"	Per 2021 IPC Table E104.1: 100'-0" Maximum Length, over 60 psig pressure range.
DISTRIBUTION SIZE	1-1/2"	Per 2021 IPC Table E104.1: 100'-0" Maximum Length, over 60 psig pressure range.
SANITARY SEWER SIZE	4"	Per 2021 IPC Table 710.1(1) at 1/8" per foot slope

PLUMBING ABBREVIATIONS

SYMBOL	DESCRIPTION
ABV	ABOVE
A.D.A.	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ANT	ACID NEUTRALIZATION TANK
AP	ACCESS PANEL
ARCH	ARCHITECT, ARCHITECTURAL
AVTR	ACID VENT THROUGH ROOF
BFP	BACK FLOW PREVENTER
BLW	BELOW
BV	BALL VALVE
C	COMMON
CFH	CUBIC FEET PER HOUR
C.I.	CAST IRON PIPING
CLG	CEILING
COL	COLUMN
CMV	COMBINATION WASTE & VENT
CONC	CONCRETE
CONN	CONNECT
CONT	CONTINUE
CONST	CONSTRUCT, CONSTRUCTION
COOR	COORDINATE
CS	CRAWLSPACE
CV	CHECK VALVE
DN	DOWN
DW	DISHWASHER
(E)	EXISTING
EA	EACH
EC	ELECTRICAL CONTRACTOR
ELEC	ELECTRIC, ELECTRICAL
ELEV	ELEVATION
EWC	ELECTRIC WATER COOLER
F	FAHRENHEIT
FLR	FLOOR
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
HDR	HEADER
HORIZ	HORIZONTAL
HP	HORSEPOWER
IE	INVERT ELEVATION
IW	INDIRECT WASTE
INT	INTEGRAL
JST(S)	JOIST(S)
KEC	KITCHEN EQUIPMENT CONTRACTOR
LOC	LOCATION
MANUF	MANUFACTURE
MAX	MAXIMUM
MBH	THOUSAND BRITISH THERMAL UNIT PER HOUR
MC	MECHANICAL CONTRACTOR
MG	MEDIUM PRESSURE GAS
MIN	MINIMUM
MS	MEMORY STOP
(N)	NEW
NC	NORMALLY CLOSED
NO	NORMALLY OPEN / NUMBER
NTS	NOT TO SCALE
OA	OUTSIDE AIR
PC	PLUMBING CONTRACTOR
PH	PHASE
P.O.C.	POINT OF CONNECTION
PROV	PROVIDE
PRV	PRESSURE REDUCING VALVE
PSIG	PRESSURE PER SQUARE INCH GAUGE
PTR	PRESSURE AND TEMPERATURE RELIEF
PVC	POLYVINYL CHLORIDE PIPING
(R)	RELOCATED
RE	REFERENCE
REQD	REQUIRED
SAN	SANITARY PIPING
SHT	SHEET
SQ	SQUARE
SIM	SIMILAR
SRV	SAFETY RELIEF VALVE
SS	STAINLESS STEEL
TCC	TEMPERATURE CONTROL
TYP	TYPICAL
V	VENT PIPING
VERT	VERTICAL
VB	VACUUM BREAKER
VTR	VENT THROUGH ROOF
W	WITH

PLUMBING GENERAL NOTES

CODE NOTES
ABBREVIATIONS USED WITHIN INCLUDE:

YEAR	ABBREV.	CODE TYPE
2021	IBC	INTERNATIONAL BUILDING CODE
2021	IEBC	INTERNATIONAL EXISTING BUILDING CODE
2021	IMC	INTERNATIONAL MECHANICAL CODE
2021	IECC	INTERNATIONAL ENERGY CONSERVATION CODE
2021	IPC	INTERNATIONAL PLUMBING CODE
2021	IFC	INTERNATIONAL FIRE CODE
2021	IFGC	INTERNATIONAL FUEL GAS CODE
2023	NEC	NATIONAL ELECTRICAL CODE
2017	ICC	INTERNATIONAL CODE COUNCIL (A117.1)
2017	ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
2021	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION

1. ALL WORK SHALL COMPLY WITH APPLICABLE CODES AS NOTED ABOVE.
2. ALL INFORMATION SHOWN ON THESE DRAWINGS INCLUDING LOCATION AND SIZES ARE BASED ON THE BEST INFORMATION AVAILABLE. INFORMATION SHOWN IS TO INDICATE THE INTENT OF THE PLUMBING SYSTEM WORK BUT MAY NOT REFLECT THE EXACTROUTING AND LOCATION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING EQUIPMENT, PIPING, CONNECTIONS, STRUCTURE, ELECTRICAL, LIGHTING AND ARCHITECTURAL INFLUENCES PRIOR TO INSTALLATION OF THE NEW WORK TO AVOID ANY CONFLICTS WITH SYSTEMS REQUIRING MODIFICATIONS. NOTIFY ENGINEER OF ANY CONFLICTS, PRIOR TO PERFORMING WORK.
3. OFFSET ALL PIPING AS REQUIRED TO AVOID STRUCTURAL MEMBERS, FLASHING, MECHANICAL AND ELECTRICAL EQUIPMENT.
4. DO NOT SCALE DRAWINGS, SEE ARCHITECTURAL DRAWINGS FOR FINAL LOCATIONS OF ALL PLUMBING FIXTURES, GENERAL PURPOSE FLOOR DRAINS, AND ADDITIONAL EQUIPMENT REQUIRING PLUMBING CONNECTIONS.
5. COORDINATE SANITARY DRAINAGE UTILITY LOCATIONS AND INVERT ELEVATIONS PRIOR TO COMMENCING WORK, NOTIFY ARCHITECT IMMEDIATELY IF CONDITIONS DISCOVERED WILL NOT ALLOW SYSTEM INSTALLATION AS DESIGNED.
6. SEE ISOMETRICS AND DIAGRAMS FOR BRANCH PIPE SIZES NOT INDICATED IN PLAN.
7. SEE ARCHITECTURAL PLANS AND DETAILS FOR MOUNTING ELEVATIONS OF ALL PLUMBING FIXTURES.
8. MOUNT WALL HYDRANTS AND HOSE BIBBS AT 18" ABOVE SURROUNDING GRADE OR FINISHED FLOOR ELEVATIONS UNLESS SPECIFICALLY NOTED OTHERWISE.
9. COORDINATE EXACT ROUGH-IN CONNECTION LOCATIONS AND SIZES WITH EQUIPMENT SUPPLIER PRIOR TO COMMENCING WORK ASSOCIATED WITH EQUIPMENT BEING FURNISHED BY OTHERS.
10. SEE HVAC PLANS FOR FINAL LOCATION OF ALL HVAC EQUIPMENT, INSTALLATION.
11. ALL WORK SHALL AT A MINIMUM COMPLY WITH THE REQUIREMENTS OF THE 2021 INTERNATIONAL PLUMBING AND THE 2021 INTERNATIONAL FUEL GAS CODES.
12. ALL MATERIALS IN THE PLENUM SPACE SHALL MEET THE FLAME SPREAD AND SMOKE DEVELOPMENT INDEX PER 2021 INTERNATIONAL MECHANICAL CODE SECTION 602.2.1. AND SHALL BE LISTED AND LABELED FOR INSTALLATION WITHIN A PLENUM.
13. ALL EQUIPMENT AND MATERIALS USED IN THE DISTRIBUTION OF DOMESTIC POTABLE WATER SHALL BE APPROVED AND TESTED FOR SUCH APPLICATION WITH DOCUMENTED LISTINGS AND LABELING IN ACCORDANCE WITH THE LATEST EDITION OF THE COLORADO PLUMBING CODE AND THE INTERNATIONAL PLUMBING CODE, PUBLIC LAW 111-380 AND ANSI/NSF-61, ANNEX G.
14. EXTEND ALL VENT TERMINATIONS THROUGH THE ROOF A MINIMUM OF 20' FROM ALL OUTSIDE AIR INTAKES, AND OTHER BUILDING OPENINGS.
15. DOMESTIC HOT WATER RECIRCULATION PIPING SHALL MEET IECC/21- 404.5 REQUIREMENTS FOR MAXIMUM PIPING LENGTHS AS SHOWN IN TABLE C404.5.1.

PLUMBING LEGEND
ALL SYMBOLS MAY NOT BE USED

SYMBOL	DESCRIPTION
SD	STORM DRAIN, RAINWATER DRAIN
OD	OVERFLOW STORM DRAIN
SSD	SUBSOIL DRAIN, FOOTING DRAIN
SAN	SOIL, WASTE, OR SANITARY SEWER
SD	STORM / RAINWATER DRAIN BELOW FLOOR
SAN	SOIL / WASTE / SANITARY SEWER BELOW FLR
GD	GREASE DRAIN
	VENT
D	INDIRECT DRAIN
PD	PUMP DISCHARGE LINE
	COLD WATER
	HOT WATER SUPPLY (140° F)
	HOT WATER RECIRCULATING (140° F)
TW	TEMPERED HOT WATER (110° F)
TWR	TEMPERED HW RECIRCULATING (110° F)
CD	CONDENSATE DRAIN
F	FIRE PROTECTION WATER SUPPLY
G	GAS, LOW-PRESSURE
MG	GAS, MEDIUM-PRESSURE
	ISOLATION VALVE
	GLOBE VALVE
	ANGLE VALVE
	BALL VALVE
	BUTTERFLY VALVE
	GAS COCK, GAS STOP
	COMBINATION FLOW MEASURING DEVICE AND BALANCING VALVE
	THERMOSTATIC BALANCING VALVE
	CHECK VALVE
	PLUG VALVE
S	SOLENOID VALVE
M	MOTOR-OPERATED VALVE [SPECIFY TYPE]
	PRESSURE REDUCING VALVE
P	PRESSURE-RELIEF VALVE
T	TEMPERATURE-PRESSURE-RELIEF VALVE
	HOSE BIBB
	VALVE IN YARD BOX (VALVE TYPE SYMBOL AS REQUIRED FOR VALVE USE)
	RECESSED-BOX HOSE BIBB OR WALL HYDRANT
	UNION (SCREWED)
	UNION (FLANGED)
	STRAINER
	PIPE ANCHOR
	PIPE GUIDE
	EXPANSION JOINT
	FLEXIBLE CONNECTOR
	TEE
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	AQUASTAT
	FLOW SWITCH
	PRESSURE SWITCH
	WATER HAMMER ARRESTER
	PRESSURE GAUGE WITH GAUGE COCK
	THERMOMETER
	VALVE IN RISER
	RISER DOWN (ELBOW)
	RISER UP (ELBOW)
	AIR CHAMBER
	RISE OR DROP
	BRANCH-TOP CONNECTION
	BRANCH-BOTTOM CONNECTION
	BRANCH-SIDE CONNECTION
	CAP ON END OF PIPE
	CLEANOUT PLUG
	CIRCULATION PUMP
	FLOOR CLEANOUT
	WALL CLEANOUT
	YARD CLEANOUT OR CLEANOUT TO GRADE
	FLOOR DRAIN
	FLOOR SINK
	CONDUCTOR NOZZLE
	DIRECTION OF FLOW
	INDICATES PIPE SLOPE DOWN
	NEW TO EXISTING CONNECTION
	INDICATES ITEMS TO BE REMOVED
	GAS TURRET

GENERAL

SYMBOL	DESCRIPTION
	CONNECT NEW TO EXISTING
* / #	REFERENCE BUBBLE * SECTION NUMBER # SHEET NUMBER
#	REVISION NUMBER
* / #	SECTION OR ELEVATION BUBBLE * SECTION OR ELEVATION LETTER # REFERENCE DRAWING NUMBER
* / #	ISOMETRIC OR ELEVATION BUBBLE * ISOMETRIC OR ELEVATION LETTER # REFERENCE DRAWING NUMBER
#	DRAWING NOTE
#	DEMOLITION NOTE
X	DEMOLITION NOTE, ALTERNATE
#	DRAWING NOTE, ALTERNATE

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SITE PLAN SUBMITTAL
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DOMESTIC WATER PRESSURE REDUCING VALVE SCHEDULE

SYMBOL	SERVES	MANUF.	MODEL NUMBER	INLET SIZE	OUTLET SIZE	INLET PRESSURE PSIG	OUTLET PRESSURE PSIG	FALL-OFF PRESSURE	REMARKS
PRV-1	BLDG	WATTS	LF25AUB-Z3	1-1/2"	1-1/2"	112	75	17.5	1

REMARKS:
1. INTEGRAL STRAINER, DOUBLE UNION NPT INLET AND OUTLET, LEAD-FREE

ELECTRIC WATER HEATER SCHEDULE

SYMBOL	SERVICE	MANUF.	MODEL NUMBER	STORAGE CAP	KW INPUT	AMPS	VOLTAGE / PHASE	RECOVERY RATE @ DEGREE RISE	WEIGHT (LBS.)	MINIMUM EFFICIENCY	REMARKS
EWH-1	HUB BLDG HQ BLDG.	A.O. SMITH	DEL-30	33 GAL.	6.0	7.25	480 / 3	24 GPH @ 100° F	420	0.92 UEF	1, 2

REMARKS:
1. LOW BOY STORAGE ELECTRIC HEATER WITH DUAL ELEMENTS, SIMULTANEOUS OPERATION, MANUAL RESET HIGH AND LOW PRESSURE TEMPERATURE CUTOFF, DUAL ANODE RODS, TEMPERATURE AND PRESSURE RELIEF VALVE, DRAIN VALVE.
2. PROVIDE HOLDRITE MODEL 50-SWHP - WALL MOUNTED WATER HEATER PLATFORM WITH PVC DRAIN FITTING.

DOMESTIC WATER CIRCULATION PUMP SCHEDULE

SYMBOL	MANUFACTURER	MODEL NUMBER	INLET SIZE	OUTLET SIZE	FLOW RATE	HEAD	WATTS	RPM	ELECTRICAL CHARACTER	SERVICE	REMARKS
CP-1	B&G	ECOCIRC 20-18	3/4"	3/4"	3 GPM	15 FT.	0-70	3800	115 VOLT / 1 PHASE	EWH-1	1, 2

REMARKS:
1. WATER TEMP: 120° F.
2. CONSTANT PRESSURE OPERATING MODE, PROVIDE WITH 24 HOUR TIME CLOCK AND REMOTE TEMPERATURE SENSING BULB.

DOMESTIC WATER EXPANSION TANK SCHEDULE

SYMBOL	SERVES	MANUF.	MODEL NUMBER	INLET SIZE	TOTAL VOLUME (GALLONS)	ACCEPTANCE VOLUME IN GALLONS	DIAMETER (INCHES)	HEIGHT (INCHES)	INITIAL CHARGE PRESSURE	WEIGHT (LBS.)	REMARKS
DET-1	EWH-1	AMTROL	ST-5	3/4"	2.0	0.9	8	13	60 PSI	-	1

REMARKS:
1. WATER TEMP: 120° F. INITIAL CHARGE PRESSURER SHALL MATCH DOMESTIC WATER SYSTEM STATIC PRESSURE.

WATER MIXING VALVE SCHEDULE

SYMBOL	SERVICE	MANUF.	MODEL NUMBER	INLET SIZE	OUTLET SIZE	INLET TEMPERATURE (° F)		OUTLET TEMPERATURE (° F)	MINIMUM FLOW (GPM)	REMARKS
						CW	HW			
TMV-1	LAVATORY	WATTS	LFUSG-B-M3	3/8"	3/8"	40	120	110	0.5	1,2,3

REMARKS:
1. SURFACE MOUNTED, PROVIDE COMPLETE WITH WALL MOUNTING BRACKET; LEAD FREE DESIGN, INLET STRAINER CHECKSTOPS.
2. MINIMUM FLOW OF 0.5 GPM WITH OPERATIONAL CIRCULATION.
3. THERMOSTATIC MIXING VALVE TO MEET ASSE 1070.

PLUMBING EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL NUMBER	REMARKS
BFP-1	REDUCED PRESSURE BACKFLOW PREVENTER	WILKINS	975XL3	EXTEND FUNNEL DRAIN FULL SIZE TO FLOOR SINK. NSF-61. 2" SIZE
BFP-2	REDUCED PRESSURE BACKFLOW PREVENTER	WILKINS	975XL3	EXTEND FUNNEL DRAIN FULL SIZE TO FLOOR SINK. NSF-61. 3/4" SIZE.
FCO-1	FLOOR CLEANOUT	J.R. SMITH	4220	CAST IRON ADJUSTABLE CLEANOUT WITH ROUND BRONZE TOP AND ABS PLUG.
FD-1	FLOOR DRAIN (GENERAL)	J.R. SMITH	2005Y	6"Ø STRAINER W/ VANDAL RESISTANT SCREWS. PROVIDE WITH TRAP GUARD.
FS-1	FLOOR SINK	J.R. SMITH	3430Y-PDBS-12	12" SQ. 8" DEEP W/ ALUMINUM DOME BOTTOM STRAINER AND 1/2 A.R.C. GRATE. PROVIDE WITH TRAP GUARD.
GCO-1	2-WAY GRADE CLEANOUT	J.R. SMITH	4261-L	(2) REQ'D. PROVIDE TYLER #003519 2-WAY CLEANOUT FITTING, VANDAL RESISTANT SCREWS.
HB-1	HOSE BIBB	WOODFORD	B75	BOX TYPE, 1/2" INLET, POLISHED CHROME
TG-1	TRAP GUARD	J.R. SMITH	2" = 2692-02 3" = 2692-03 4" = 2692-04	BARRIER TRAP SEAL GUARD (ASSE 1072). PROVIDE SIZE AS REQUIRED.
WCO-1	WALL CLEANOUT	J.R. SMITH	4710-U	STAINLESS STEEL SHALLOW COVER, ROUND FACE W/ VANDAL RESISTANT CENTER SCREW.
WH-1	WALL HYDRANT	WOODFORD	B67	BOX TYPE, 3/4" INLET, POLISHED CHROME
WHA-1	WATER HAMMER ARRESTOR	PPP	SC-500A	COMPLETE WITH SERVICE ISOLATION VALVE AND ACCESS PANEL.
WHA-2	WATER HAMMER ARRESTOR	PPP	SC-750B	COMPLETE WITH SERVICE ISOLATION VALVE AND ACCESS PANEL.
WHA-3	WATER HAMMER ARRESTOR	PPP	SC-1000C	COMPLETE WITH SERVICE ISOLATION VALVE AND ACCESS PANEL.
WHA-4	WATER HAMMER ARRESTOR	PPP	SC-1250D	COMPLETE WITH SERVICE ISOLATION VALVE AND ACCESS PANEL.

PLUMBING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL NO.	ROUGH-IN CONNECTIONS						GPF	REMARKS
				TRAP	W	V	CW	HW	FLOW		
DF-1	DRINKING FOUNTAIN	HAWS	1119FR-1920FR	1-1/4"	2"	2"	1/2"	-	0.13	-	1, 2
L-1	WALL HUNG LAVATORY	ACORN	1652LRB	1-1/4"	2"	2"	1/2"	1/2"	0.5	-	1, 3
MSB-1	MOP SERVICE BASIN FAUCET	FIAT CHICAGO	TSB3000 540-LD897SXKCCP	3"	3"	2"	1/2"	1/2"	-	-	4
UR-1	WALL HUNG URINAL FLUSH VALVE CARRIER	ACORN ZURN J.R. SMITH	1707 ZER6195AV 0617	INT.	2"	2"	3/4"	-	-	1.0	1, 5
WC-1	WALL MTD. WATER CLOSET FLUSH VALVE CARRIER	ACORN ZURN J.R. SMITH	2105BAR ZER6152AV 211Y-M54-XK-BS	INT.	4"	2"	1"	-	-	1.6	6
WC-2	WALL MTD. WATER CLOSET ADA FLUSH VALVE CARRIERR	ACORN ZURN J.R. SMITH	2105BAR AER6152AV 211Y-M54-XK-BS	INT.	4"	2"	1"	-	-	1.6	1, 6

NOTES:
1. REFER TO ARCHITECTURAL DRAWINGS AND ELEVATIONS FOR EXACT LOCATION AND MOUNTING HEIGHT ELEVATIONS OF ALL PLUMBING FIXTURES PRIOR TO INSTALLATION.
2. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION WHICH MAY NOT BE NOTED HERE.
3. ALL EQUIPMENT AND MATERIALS USED IN THE DISTRIBUTION OF DOMESTIC POTABLE WATER SHALL BE APPROVED AND TESTED FOR SUCH APPLICATION WITH DOCUMENTED LISTINGS AND LABELING IN ACCORDANCE WITH THE LATEST EDITION OF THE INTERNATIONAL PLUMBING CODE, PUBLIC LAW 111-380 AND ANSI/NSF-61, ANNEX G.
4. PROVIDE FRESH SET OF BATTERIES FOR ALL BATTERY POWERED COMPONENTS AT TIME OF PROJECT FINAL CLOSEOUT.

REMARKS:
1. FIXTURE DESIGNATED TO BE IN COMPLIANCE WITH ANSI-A117.1.
2. WALL MOUNTED, VANDAL RESISTANT DUAL HEIGHT FOUNTAIN AND BOTTLE FILLER, LEAD-FREE, PNEUMATIC-OPERATED, FREEZE RESISTANT VALVES AND TRAP MOUNTED IN CABINET, CHROME PLATED, VANDAL-RESISTANT BUBBLERS, VANDAL-RESISTANT STRAINERS, VANDAL-RESISTANT BOTTOM PLATES.
3. WALL HUNG, 18" WIDE ADA COMPLIANT WITH RECTANGULAR BOWL, 14 GA. 304 STAINLESS STEEL, SEEMLESS WELDED, SATIN FINISH, DECK MOUNTED SPOUT, ELECTRONIC, BATTERY POWERED FAUCET CONTROLLER, SINGLE TEMPERED METERING ELECTRONIC SOLENOID VALVE, THROUGH WALL WASTE EXTENSION WITH P-TRAP, METAL TEMPLATE AND WALL SLEEVE. FURNISH COMPLETE WITH HEAVY DUTY WALL MOUNTING HARDWARE.
4. 24" SQUARE BY 12" DEEP TERRAZZO WITH DROP FRONT, STAINLESS STEEL RIM GUARDS ALL SIDES, PROVIDE WITH STAINLESS STEEL WALL GUARDS AND INTEGRAL STRAINER; WALL MOUNTED FAUCET WITH VACUUM BREAKER SPOUT, PAIL HOOK, WALL BRACE, 1/4 TURN CERAMIC CARTRIDGES WITH INTEGRAL CHECK VALVES, PROVIDE IN-LINE STRAIGHT PATTERN STOPS WITH THROUGH WALL EXTENSION.
5. 14 GA., 304 STAINLESS STEEL WALL HUNG WASHOUT URINAL WITH CONCEALED BACK INLET, INTEGRAL, WELDED DRAIN STRAINER, FULLY ENCLOSED P-TRAP; CONCEALED DIAPHRAGM TYPE FLUSH VALVE WITH ELECTRONIC BATTERY POWERED, REMOTE SENSOR AND MANUAL OVERRIDE BUTTON; HEAVY DUTY FLOOR MOUNTED SUPPORT CARRIER.
6. WALL HUNG, SIPHON JET, 16 GA. TYPE 304 STAINLESS STEEL WITH BLACK HINGED SEAT, BACK INLET FOR CONCEALED DIAPHRAGM TYPE FLUSH VALVE WITH ELECTRONIC BATTERY POWERED, REMOTE SENSOR AND MANUAL OVERRIDE BUTTON; HEAVY DUTY, BARIATRIC RATED OFF FLOOR SUPPORT WITH HORIZONTAL DRAIN FITTING.

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Checked By: JCF

Key Map

Drawing
PLUMBING SCHEDULES

P-002

SITE PLAN SUBMITTAL

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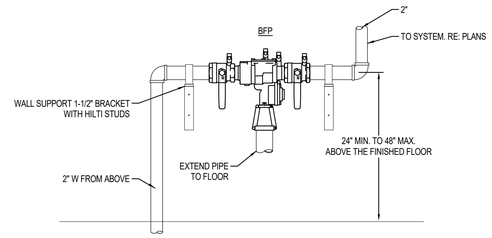
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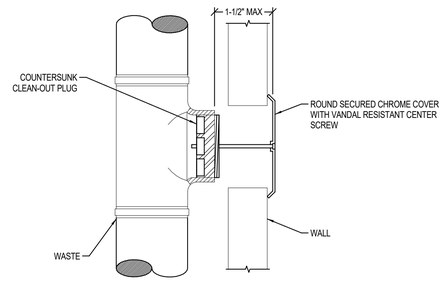
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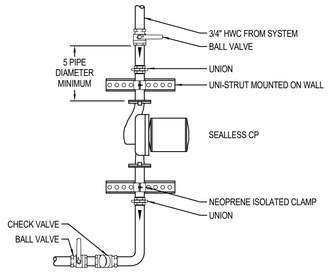
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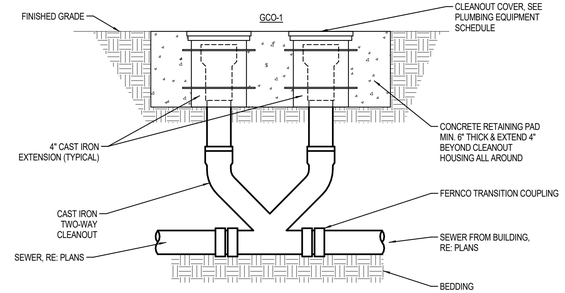
5 BACKFLOW PREVENTER DETAIL
NOT TO SCALE



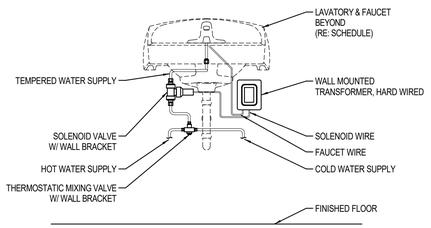
1 WALL CLEANOUT DETAIL
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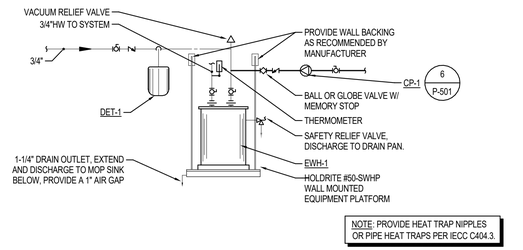
6 CIRCULATION PUMP DETAIL
NOT TO SCALE



2 2-WAY GRADE CLEANOUT
NOT TO SCALE

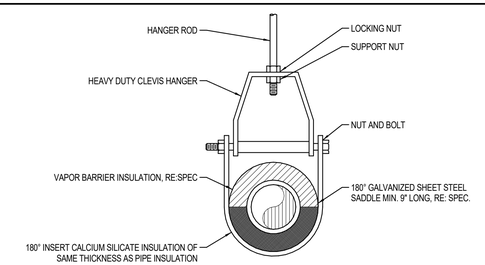


7 LAVATORY MIXING VALVE DETAIL
NOT TO SCALE



NOTE: PROVIDE HEAT TRAP NIPPLES OR PIPE HEAT TRAPS PER IECC C404.3.

3 ELECTRIC WATER HEATER PIPING DIAGRAM
NOT TO SCALE



4 CLEVIS HANGER DETAIL
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Δ	DATE	DESCRIPTION

Project Number:	223072.00
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Key Map

Drawing
PLUMBING DETAILS

P-501

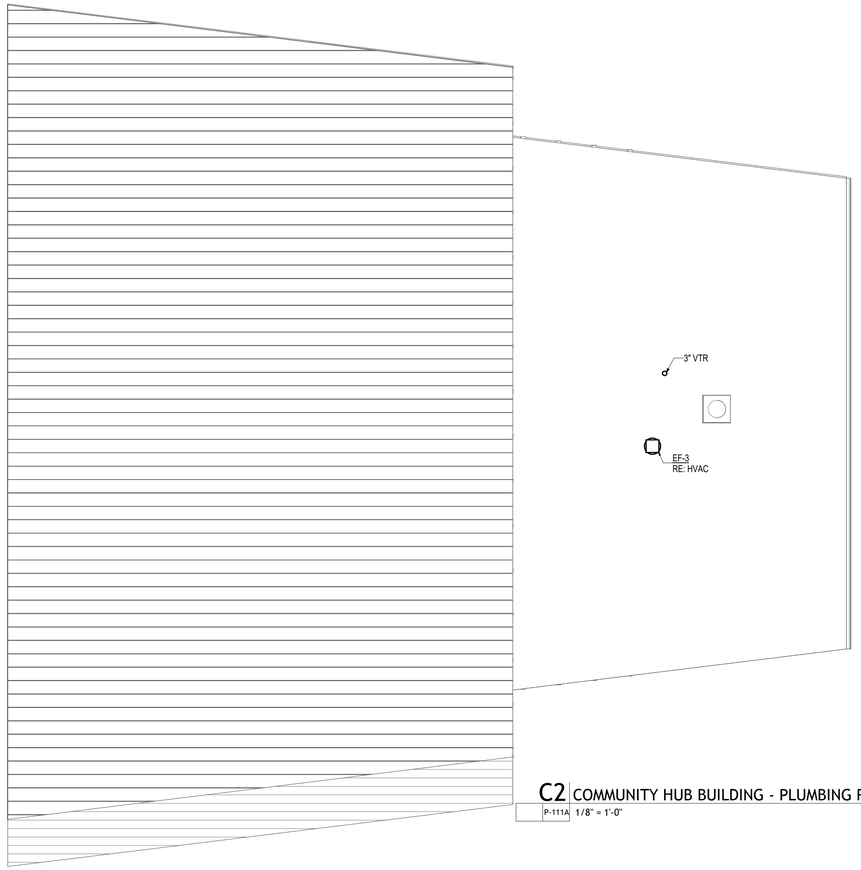
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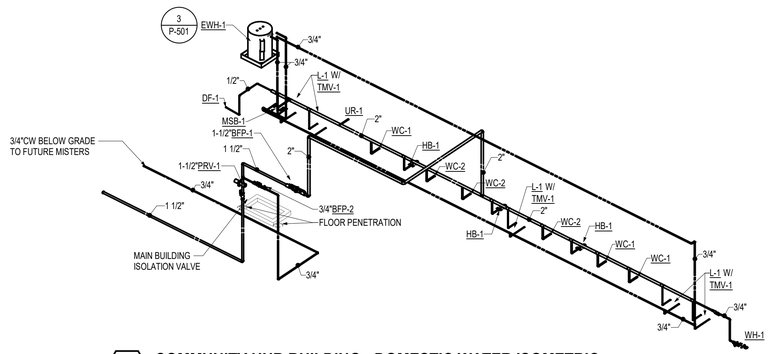
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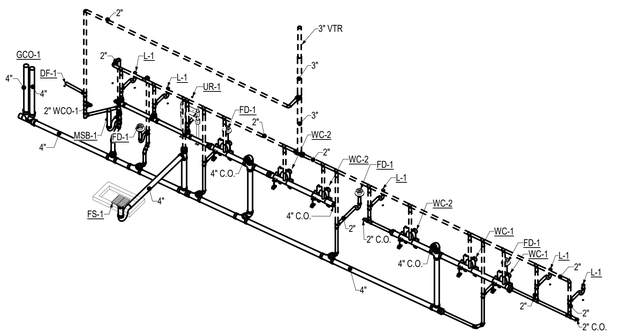
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG IN ALL SHEETS ORIGINAL PAGE SIZE



C2 COMMUNITY HUB BUILDING - PLUMBING ROOF PLAN
P-111A 1/8" = 1'-0"



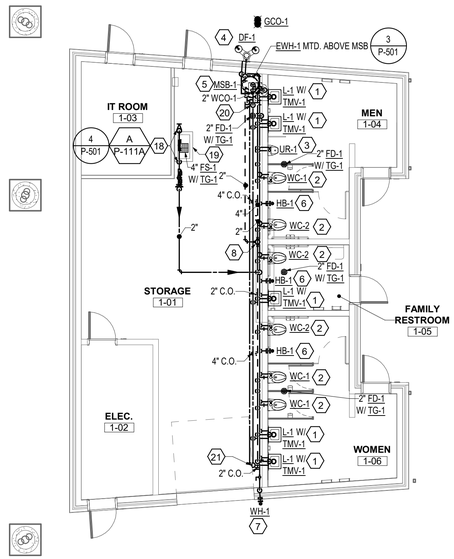
A COMMUNITY HUB BUILDING - DOMESTIC WATER ISOMETRIC
NOT TO SCALE



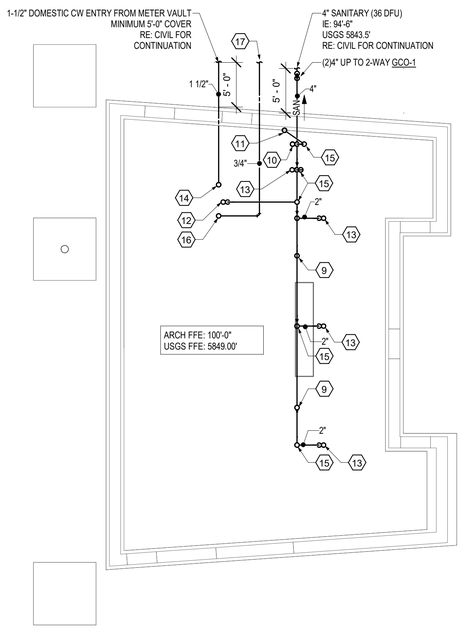
B COMMUNITY HUB BUILDING - SAN/VENT ISOMETRIC
NOT TO SCALE

DRAWING NOTES

1. 1/2" CW, 1/2" HW, 2" SANITARY AND 2" VENT TO LAVATORY / SINK.
2. 1" CW, 4" SANITARY, AND 2" VENT TO WATER CLOSET.
3. 3/4" CW, 2" SANITARY, AND 2" VENT TO URINAL.
4. 1/2" CW, 2" SANITARY, AND 2" VENT TO DRINKING FOUNTAIN.
5. 1/2" CW, 1/2" HW, 3" SANITARY AND 2" VENT TO MOP SERVICE BASIN.
6. 3/4" CW TO HOSE BIBB.
7. 3/4" CW TO WALL HYDRANT.
8. 2" VENT UP TO 3"VTR.
9. 4" SANITARY UP THROUGH FLOOR ABOVE.
10. 3" SANITARY WITH P-TRAP UP TO MOP SERVICE BASIN.
11. 2" SANITARY UP TO DRINKING FOUNTAIN ABOVE.
12. 4" SANITARY WITH P-TRAP UP TO FLOOR SINK ABOVE.
13. 2" SANITARY WITH P-TRAP UP TO FLOOR DRAIN ABOVE.
14. 1-1/2" CW UP TO BACKFLOW PREVENTER ABOVE.
15. 2" VENT UP THROUGH FLOOR ABOVE.
16. 3/4" COLD WATER UP THROUGH FLOOR TO BFP-2, EXTEND SOFT COPPER BELOW FLOOR TO EXTERIOR, NO JOINTS.
17. 3/4" COLD WATER STUB OUT 5'-0" OUTSIDE BUILDING CAP AND MARK FOR FUTURE EXTENSION TO PEDESTAL MISTERS.
18. 1-1/2" METERED COLD WATER UP FROM BELOW FLOOR, OFFSET AND PROVIDE 1-1/2" BFP-1, 3/4" BFP-2 AND PRV-1.
19. 4" THICK CAST-IN-PLACE CONTAINMENT CURB, 4" DEEP.
20. 3/4" HOT WATER DROP ALONG WALL AND OFFSET TO LAVATORY CONNECTIONS.
21. 3/4" HOT WATER CIRCULATION, RISE AND OFFSET HIGH BACK TO CIRCULATION PUMP AT WATER HEATER.



A1 COMMUNITY HUB BUILDING - PLUMBING FLOOR PLAN
P-111A 1/8" = 1'-0"



A4 COMMUNITY HUB BUILDING - PLUMBING UNDERGROUND PLAN
P-111A 1/8" = 1'-0"

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COMMUNITY HUB - PLUMBING PLANS

P-111A

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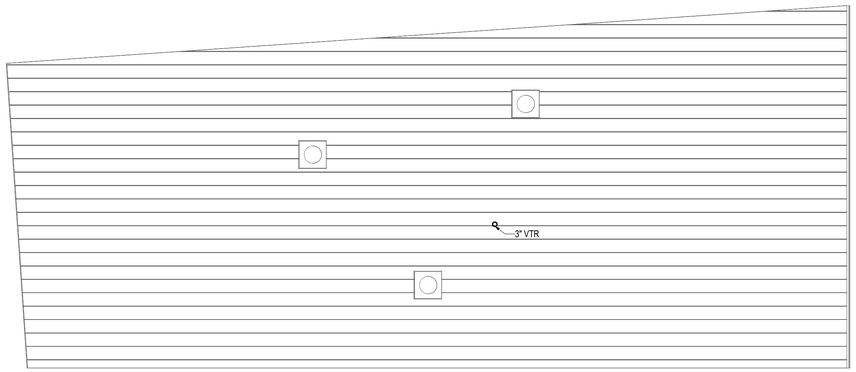
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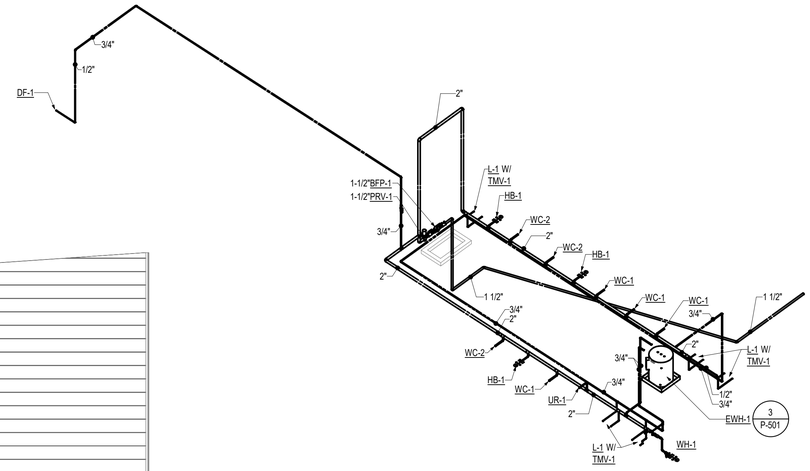
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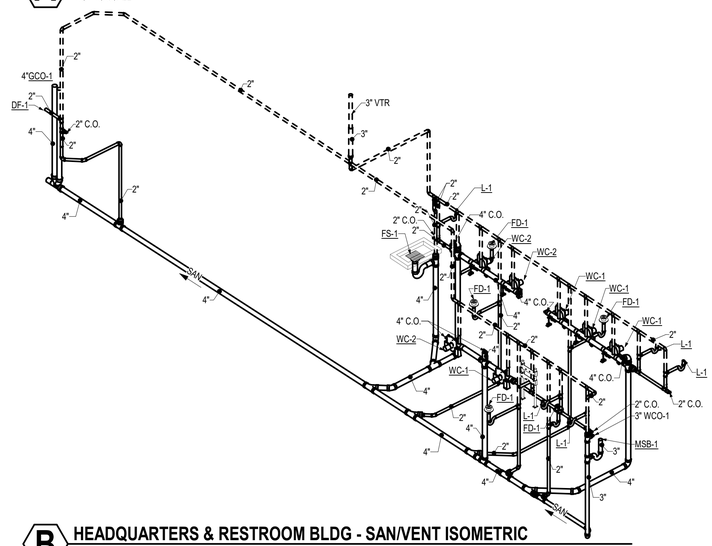
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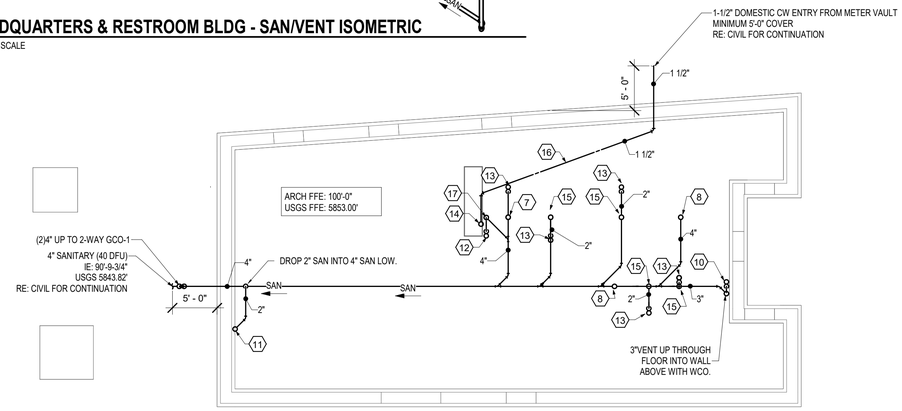
A HEADQUARTERS & RESTROOM BLDG - DOMESTIC WATER ISOMETRIC

NOT TO SCALE



B HEADQUARTERS & RESTROOM BLDG - SAN/VENT ISOMETRIC

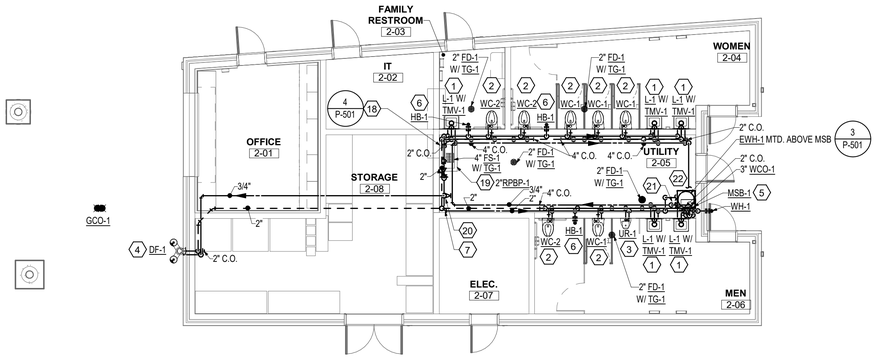
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C1 HEADQUARTERS & RESTROOM BUILDING - PLUMBING ROOF PLAN

P-111B 1/8" = 1'-0"

N



A1 HEADQUARTERS & RESTROOM BUILDING - PLUMBING FLOOR PLAN

P-111B 1/8" = 1'-0"

N

A3 HEADQUARTERS & RESTROOM BUILDING - PLUMBING UNDERGROUND PLAN

P-111B 1/8" = 1'-0"

N

DRAWING NOTES

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13. 2" SANITARY WITH P-TRAP UP TO FLOOR DRAIN ABOVE.
14. 1-1/2" CW UP TO BACKFLOW PREVENTER ABOVE.
15. 2" VENT UP THROUGH FLOOR ABOVE.
16. 1-1/2" SOFT (TYPE K) COPPER BELOW SLAB, NO JOINTS.
17. 2" VERTICAL WET VENT UP TO LAVATORY ABOVE.
18. 1-1/2" METERED COLD WATER UP FROM BELOW FLOOR, OFFSET AND PROVIDE 1-1/2" BFP-1 AND PRV-1 IN HORIZONTAL.
19. 4" THICK CAST- IN-PLACE CONTAINMENT CURB, 4" DEEP.
20. 3/4" COLD WATER RISE WITH ISOLATION VALVE, OFFSET HIGH NEAR ROOF STRUCTURE TO DF-1 CONNECTIONS.
21. 3/4" HOT WATER DROP ALONG WALL AND OFFSET TO LAVATORY CONNECTIONS.
22. 3/4" HOT WATER CIRCULATION, RISE AND OFFSET HIGH BACK TO CIRCULATION PUMP AT WATER HEATER.

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HEADQUARTERS & RESTROOM - PLUMBING PLANS

P-111B

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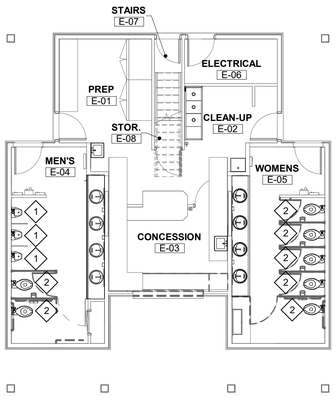
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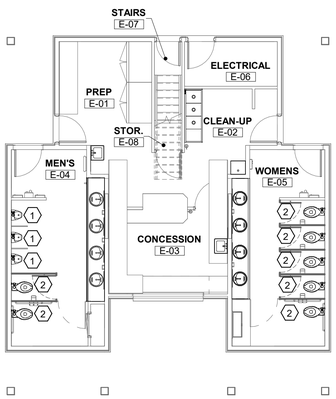
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B1 EXISTING CONCESSIONS BUILDING - PLUMBING DEMOLITION FLOOR PLAN

P-111E 1/8" = 1'-0"



A1 EXISTING CONCESSIONS BUILDING - PLUMBING FLOOR PLAN

P-111E 1/8" = 1'-0"

GENERAL SHEET NOTES

1. PRIOR TO COMMENCING DEMOLITION, FIELD VERIFY EXISTING LAVATORY DIMENSIONS, INCLUDING CUT-OUTS. AGREE WITH NEW LAVATORY REQUIREMENTS. NOTIFY ARCHITECT IF DIMENSIONS DIFFER AND WILL NOT ALLOW FOR LAVATORY REPLACEMENT IN EXISTING COUNTERTOP.
2. PRIOR TO COMMENCING DEMOLITION, FIELD VERIFY COLD WATER ROUGH-IN DIMENSIONS TO EXISTING WATER CLOSET SPUD WILL ALLOW FOR THE SPECIFIED FLUSH VALVE INSTALLATION, NOTIFY ARCHITECT IF AVAILABLE DIMENSIONS WILL NOT ALLOW FOR THE SPECIFIED FLUSH VALVE TO BE INSTALLED.
3. PRIOR TO ORDERING FLUSH VALVES, CONFIRM FLUSH VOLUMES OF EXISTING URINALS AND WATER CLOSETS AND ORDER FLUSH VALVES TO MATCH GALLON PER FLUSH RATING ACCORDINGLY.
4. HOLD ALL BELOW DECK FAUCET COMPONENTRY AS HIGH AS POSSIBLE BELOW THE FAUCET CONNECTIONS TO MINIMIZE POTENTIAL VANDALISM.

DEMOLITION NOTES

1. REMOVE EXPOSED URINAL FLUSHOMETER VALVE, EXISTING COLD WATER ROUGH-IN TO REMAIN.
2. REMOVE EXPOSED WATER CLOSET FLUSHOMETER VALVE, EXISTING COLD WATER ROUGH-IN TO REMAIN.

DRAWING NOTES

1. PROVIDE NEW URINAL FLUSHOMETER VALVE, ZURN ZER6003AV-CPM SENSOR OPERATED, BATTERY POWERED WITH FRONT MOUNTED MANUAL OVERRIDE BUTTON AND SOLID RING TAILPIECE PIPE SUPPORT, CONNECT TO EXISTING URINAL TOP SPUD AND COLD WATER ROUGH-IN AT WALL.
2. PROVIDE NEW WATER CLOSET FLUSHOMETER VALVE, ZURN ZER6000AV-CPM SENSOR OPERATED, BATTERY POWERED WITH FRONT MOUNTED MANUAL OVERRIDE BUTTON AND SOLID RING TAILPIECE PIPE SUPPORT, CONNECT TO EXISTING WATER CLOSET TOP SPUD AND COLD WATER ROUGH-IN AT WALL.

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EXISTING CONCESSIONS BUILDING - PLUMBING PLANS

P-111E

SITE PLAN SUBMITTAL

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SITE PLAN GENERAL NOTES

ALL WIRING SHALL BE IN COMPLIANCE WITH THE NEC LATEST EDITION: ALL MULTI-WIRE BRANCH CIRCUITS (120V OR 277V SINGLE PHASE CIRCUITS) IDENTIFIED IN THE PANEL SCHEDULES ORIGINATING FROM SINGLE POLE BREAKER SHALL BE INSTALLED WITH A DEDICATED NEUTRAL CONDUCTOR FOR EACH PHASE CONDUCTOR. THE NEUTRAL CONDUCTOR SHALL HAVE A TRACER STRIPE (THE STRIPE COLOR SHALL MATCH THE COLOR OF THE PHASE CONDUCTOR).

REFER TO THE ELECTRICAL SPECIFICATIONS FOR ADDITIONAL INSTALLATION, CONDUIT DEPTHS, AND SPECIFICATION REQUIREMENTS. ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE TO THE MOST CURRENT LOCAL CODES AND THE NEC LATEST EDITION.

ALL UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC WITH PVC COATED GRC ELBOWS AND RISERS TO 4 FEET ABOVE GRADE AND 1 INCH MINIMUM DIAMETER, UNLESS NOTED OTHERWISE.

ALL UNDERGROUND COMMUNICATION, ELECTRICAL FEEDER, AND BRANCH CIRCUITS SHALL BE INSTALLED A MINIMUM OF 30 INCHES BELOW GRADE WITH BURIED ELECTRICAL WARNING TAPE INSTALLED DIRECTLY ABOVE BETWEEN 6 AND 12 INCHES BELOW GRADE. CONTRACTOR SHALL PROVIDE PULL BOXES AS REQUIRED TO MINIMIZE THE NUMBER OF BENDS TO MEET CODE.

ALL ELECTRICAL DEVICE LOCATIONS SHALL BE COORDINATED WITH THE LANDSCAPE AND CIVIL DRAWINGS/ARCHITECT PRIOR TO ROUGH-IN TO DETERMINE TYPICAL INSTALLATION REQUIREMENTS/LOCATIONS IN RELATION TO THE SITE LANDSCAPE AND CIVIL ELEMENTS. REFER TO LANDSCAPE PLANS FOR EXACT LOCATIONS OF POLES, BOLLARDS, AND/OR INGRADE LUMINAIRES. LOCATIONS ARE COORDINATED WITH SIDEWALKS AND CONCRETE PAVING.

UNDERGROUND CONDUIT IS INDICATED BY DASHED LINES, UBE, USE, UPE, OR UC. ROUTE ALL CONDUIT/CIRCUITING ON FINISHED SPACES CONCEALED IN WALLS, ABOVE CEILINGS, OR BELOW FLOORS. ALL CONDUIT/CIRCUITING SHALL BE RUN PARALLEL TO BUILDING WALLS. ANY SURFACE MOUNTED CONDUIT IN FINISHED SPACES OR MOUNTED ON FINISHED SURFACES SHALL BE PAINTED TO MATCH THE SURFACE ON WHICH IT IS MOUNTED.

ALL NEW CIRCUITS SHALL HAVE GROUNDING CONDUCTORS IN ALL FEEDERS AND BRANCH CIRCUITS.

FOR ALL WEATHERPROOF RECEPTACLE COVERS PROVIDE CAST ALUMINUM, WHILE-IN-USE WEATHERPROOF TYPE COVERS, HUBBELL-MG58XX SERIES OR EQUAL.

ALL EXTERIOR RECEPTACLES SHALL BE GFI PROTECTED DEVICES AND HAVE WEATHERPROOF COVERS.

SECURITY SYSTEM REQUIREMENTS

BUILDING SECURE ACCESS DOOR HARDWARE, MATERIALS, AND INSTALLATION SHALL BE COORDINATED WITH DOOR HARDWARE VENDOR AND THE GENERAL CONTRACTOR
BUILDING SECURE ACCESS SYSTEM EQUIPMENT, MATERIALS, WIRING, TERMINATIONS, PROGRAMMING, COMMISIONING, AND TRAINING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.

THE BUILDING SECURE ACCESS SYSTEM SHALL INCLUDE THE FOLLOWING:
SECUITRON MAGNALOCK SERIES M32 DOOR LOCKS
COMELIT PAC ACCESS 2-DOOR CONTROLLERS
SECURITRON PB SERIES EXIT LOCK RELEASE PUSH BUTTONS
MOTION SENSORS TO RELEASE DOORS IN THE FAMILY RESTROOMS ONLY
INPUT / OUTPUT CONTROLLERS / RELAYS
SECURITRON BPS SERIES POWER SUPPLY UNITS WITH BATTERY BACKUP
INPUT/OUTPUT READER MODULES, NEMA 1 EQUIPMENT ENCLOSURES.
HID RP40 ICLASS SE CARD READERS

RESTROOM DOORS SHALL BE CONTROLLED VIA PROGRAMMABLE TIME OF DAY LOCK/UNLOCK SECURITRON DT-7 DIGITAL TIMER. THE UTILITY, STORAGE, I.T., ELECTRICAL, (AND OFFICE) ROOM DOORS SHALL BE CONTROLLED VIA ADJACENT CARD READER/KEYPAD. INTERIOR MOTION SENSORS AND EXIT BUTTONS SHALL UNLOCK ASSOCIATED ROOM DOORS WHERE INDICATED ON PLAN.

PROVIDE SYSTEM SHOP DRAWINGS INCLUDING: BILL OF MATERIALS, PRODUCT DATA CUT SHEETS, SYSTEM LAYOUT DRAWINGS, AND WIRING DIAGRAMS

LIGHTING CONTROL NOTES

LIGHTING CONTROL SYSTEM SHALL BE IN COMPLIANCE WITH THE FOLLOWING: INTERNATIONAL ENERGY CONSERVATION CODE (IECC) LOCAL ENFORCED EDITION.

FOR THE FOLLOWING DEVICES, REFER TO THE MANUFACTURER'S WIRING DIAGRAMS, INSTALLATION INSTRUCTIONS, AND REVIEWED/APPROVED SUBMITTAL SHOP DRAWINGS. PROVIDE ALL NECESSARY DEVICES AND CONNECTIONS FOR A COMPLETE AND OPERATIONAL LIGHTING CONTROL SYSTEM.

PROVIDE SPECIFICATION GRADE DEVICES BY COOPER (EATON), HUBBELL, LEVITON, LUTRON, NOVITAS, NLIGHT, SENSOR SWITCH OR WATTSTOPPER.

LOWER CASE LETTERS DENOTE SWITCHING/CONTROL ZONES.

ALL LIGHTING CONTROL CABLE/WIRE SHALL BE STANDARD COLOR AND AS RECOMMENDED BY SYSTEMS MANUFACTURER, ROUTED PARALLEL/PERPENDICULAR TO BUILDING WALLS AND LINES, AND SUPPORTED INDEPENDENTLY FROM OTHER SYSTEMS.

ELECTRICAL CONTRACTOR OR LIGHTING CONTROLS COMMISSIONING AGENT SHALL PROVIDE ALL PROGRAMMING AND COMMISSIONING OF THE LIGHTING CONTROL SYSTEM. ALL LIGHTING SYSTEM PROGRAMMING SHALL BE BASED ON ACTUAL FIELD MEASURED LIGHT LEVELS TO ACHIEVE THE DISTRICT REQUIRED LIGHT LEVELS INDICATED IN THE SPECIFICATIONS. PROGRAMMING AND CALIBRATION OF SYSTEM SHALL BE READILY ACCESSIBLE.

PROGRAM OCCUPANCY SENSORS FOR MANUAL ON / AUTO OFF (VACANCY MODE), UNLESS INSTALLED IN A RESTROOM WHERE AUTO ON/OFF IS ACCEPTABLE, UNLESS NOTED OTHERWISE. PROGRAM TIME OUT AS FOLLOWS, UNLESS NOTED OTHERWISE:

STORAGE, CUSTODIAL ROOMS, ETC.:	5 MINUTES
OFFICES AND ASSOC. SPACES:	15 MINUTES
TOILET ROOMS:	15 MINUTES

S_{OS} PROVIDE WALL MOUNTED SWITCH PIR OCCUPANCY SENSOR WITH SINGLE ZONE CONTROL. SENSOR SHALL BE CONFIGURED FOR MANUAL ON / AUTO OFF. CONFIGURE FOR 3-WAY SWITCHING WHERE REQUIRED ON DRAWINGS.

S_{OD} PROVIDE WALL MOUNTED SWITCH DUAL TECHNOLOGY OCCUPANCY SENSOR WITH 0-10V DIMMING. SENSOR SHALL BE CONFIGURED FOR MANUAL ON / AUTO OFF. PROGRAM TO TURN ON LIGHTS TO LAST PROGRAMMED LIGHTING LEVEL OR ALLOW TO AUTOMATICALLY COME ON TO LESS THAN 49% FULL LIGHT OUTPUT.

(OS)1 PROVIDE DUAL TECHNOLOGY LOW VOLTAGE CEILING MOUNTED OCCUPANCY SENSOR, WITH 2,000 SQ FT COVERAGE. LOCATE ON CEILING IN CENTER OF ROOM (AWAY FROM THE DOOR) AND AIM INTO ROOM. CONNECT TO ROOM CONTROLLER.

(OS)2 PROVIDE DUAL TECHNOLOGY CEILING MOUNTED LINE VOLTAGE OCCUPANCY SENSOR WITH 2,000 SQ. FT. COVERAGE. LOCATE CENTERED WITHIN SPACE AND WHERE IT WILL DETECT MOTION FROM DOORWAY.

(P)1 PROVIDE CEILING MOUNTED PHOTOCELL FOR INTERIOR DAYLIGHT HARVESTING. PHOTOCELL SHALL PROVIDE DIMMING CAPABILITIES OF THE LIGHTING ZONE INDICATED AS WELL AS COMPLETE SHUT-OFF OF THE LIGHTS. PHOTOCELL SHALL MEASURE THE DAYLIGHT CONTRIBUTION FROM SIDE WINDOWS. CONNECT TO ROOM CONTROLLER OR POWER PACK.

RC #D #S PROVIDE ROOM CONTROLLER, ON/OFF/0-10V DIMMING, TO CONTROL UP TO THE NUMBER OF RELAYS INDICATED. # REFERS TO THE NUMBER OR RELAYS/ZONES CONTROLLED. #D OR #S INDICATES NUMBER OF DIMMED OR SWITCHED ZONES, RESPECTIVELY. LOCATE ROOM CONTROLLER ABOVE ACCESSIBLE CEILING, UP WITHIN THE JOIST/TRUSS CEILING CAVITY ABOVE WALL STATION(S), OR WITHIN UTILITY ROOM. WHERE LOCATED ABOVE CEILING, PROVIDE TYPED LABEL ON CEILING TEE GRID "LIGHTING CONTROLLER ABOVE". CONNECT ROOM CONTROLLER VIA MANUFACTURER'S RECOMMENDED CABLING TO OTHER LIGHTING CONTROL DEVICES IN ROOM. ROOM CONTROLLER SHALL BE RETURN AIR PLENUM RATED.

RC-P # PROVIDE ROOM CONTROLLER (POWER PACK) FOR RECEPTACLE CONTROL. # INDICATES THE NUMBER OF CIRCUITS CONTROLLED. LOCATE ABOVE ACCESSIBLE CEILING, INTERFACE WITH LIGHTING OCCUPANCY SENSOR(S). PROVIDE TYPED LABEL ON CEILING TEE GRID "CONTROLLED RECEPTACLE CONTROLLER ABOVE". CONNECT DEVICE VIA MANUFACTURER'S RECOMMENDED CABLING.

S_{LV} PROVIDE LOW VOLTAGE SWITCH WALL STATION PER MANUFACTURER'S SYSTEM. REFER TO LIGHTING CONTROL FLAG NOTES FOR MORE INFORMATION.

LIGHTING CONTROL NOTES

1. PROVIDE LOW VOLTAGE SWITCH FOR ON/OFF CONTROL OF LIGHTS
2. PROVIDE LOW VOLTAGE SWITCH FOR ON/OFF/RAISE/LOWER CONTROL OF LIGHTS.

ELECTRICAL GENERAL NOTES

REFER TO THE ARCHITECTURAL PLANS FOR ADDITIONAL INSTALLATION REQUIREMENTS.

THE ELECTRICAL INSTALLATION SHALL BE IN COMPLIANCE WITH THE FOLLOWING: NATIONAL ELECTRICAL CODE (NEC) LOCAL ENFORCED EDITION.

CIRCUITING ROUTING SHOWN IS DIAGRAMMATIC. CIRCUIT DESIGNATIONS ARE INDICATED AND SHALL BE STRICTLY FOLLOWED. ALL CIRCUITING SHALL BE COPPER CONDUCTORS IN CONDUIT (3/4" MINIMUM). LUMINAIRES MAY BE CONNECTED VIA MANUFACTURER PROVIDED FLEXIBLE CONDUIT/CONDUCTOR WHIPS. CONTRACTOR SHALL PROVIDE ALL WIRE, CONDUIT, JUNCTION/PULL BOXES, AND SUPPORTS ETC. FOR A COMPLETE ELECTRICAL SYSTEM.

ALL NEW (120V OR 277V SINGLE PHASE) BRANCH CIRCUIT WIRING SHALL ORIGINATE AT SINGLE POLE BREAKERS AND SHALL BE INSTALLED WITH A DEDICATED NEUTRAL CONDUCTOR FOR EACH PHASE CONDUCTOR. THE NEUTRAL CONDUCTOR SHALL HAVE A TRACER STRIPE (THE STRIPE COLOR SHALL MATCH THE COLOR OF THE PHASE CONDUCTOR).

ALL DISTRIBUTION AND BRANCH CIRCUIT FEEDERS SHALL BE PROVIDED WITH AN INSULATED, GREEN GROUND WIRE.

ROUTE ALL CONDUIT/CIRCUITING IN FINISHED SPACES CONCEALED IN WALLS, ABOVE CEILINGS, OR BELOW FLOORS. ALL CONDUIT/CIRCUITING SHALL BE RUN PARALLEL TO BUILDING WALLS AND LINES. ANY SURFACE MOUNTED CONDUIT MOUNTED TO FINISHED SURFACES OR LOCATED IN FINISHED SPACES SHALL BE PAINTED TO MATCH THE SURFACE ON WHICH IT IS MOUNTED.

SURFACE MOUNTED CONDUIT IN FINISHED SPACES AND/OR SPACES NORMALLY OCCUPIED SHALL MOUNTED TIGHT AGAINST THE WALL WITH SINGLE OR DOUBLE HOLE STRAPS.

MOUNTING HEIGHTS ARE AS FOLLOWS UNLESS NOTED OTHERWISE OR A PREVIOUS BUILDING STANDARD HAS BEEN ESTABLISHED.

POWER RECEPTACLES	+18"
TELEPHONE AND DATA OUTLETS	+18"
SWITCHES	+44"

ALL DIMENSIONS ARE TO THE CENTER OF THE DEVICE.

NEW TELEPHONE, DATA, AND TELE/DATA COMBINATION OUTLETS SHALL CONSIST OF A 4" SQUARE BACK BOX, SINGLE GANG PLASTER RING, AND 1" CONDUIT TO ABOVE THE CEILING. PROVIDE A RUBBER CABLE PROTECTION BUSHING ON THE END OF THE CONDUIT STUBBED OUT ABOVE THE CEILING. THE NUMBER ADJACENT TO THE OUTLET SYMBOL ON THE DRAWINGS INDICATES THE QUANTITY OF OUTLET DEVICE JACKS AND ASSOCIATED CABLES TO BE INSTALLED AT THAT LOCATION.

COORDINATE EXACT POWER AND INSTALLATION REQUIREMENTS OF MECHANICAL EQUIPMENT WITH THE MECHANICAL CONTRACTOR AND THE MANUFACTURER'S INSTALLATION LITERATURE.

ALL CEILING MOUNTED AND SUSPENDED LUMINAIRES SHALL HAVE A MINIMUM OF TWO SUPPORTS CONNECTED DIRECTLY TO STRUCTURAL COMPONENTS OF THE BUILDING.

CONNECT ALL EXIT SIGNS AND EMERGENCY LUMINAIRES TO UNSWITCHED CONDUCTOR OF THE INDICATED CIRCUIT.

INSULATION COLOR: ALL INSULATED CONDUCTORS (SERVICE ENTRANCE, FEEDER, AND BRANCH CIRCUIT) SHALL HAVE FULL COLORED INSULATION, COLORS AS SPECIFIED IN SECTION 26 05 53 IDENTIFICATION FOR ELECTRICAL SYSTEMS, FOR THE ENTIRE LENGTH OF THE CONDUCTOR. NEUTRAL CONDUCTORS INSTALLED, IN COMPLIANCE WITH THE NEC-LATEST EDITION FOR EACH SINGLE POLE BREAKER, SHALL HAVE A TRACER STRIPE TO MATCH THE CORRESPONDING PHASE CONDUCTOR COLOR.

USE OF MC CABLE IS PROHIBITED EXCEPT FOR LUMINAIRE CONNECTION WHIPS (MAXIMUM OF 6FT ROUTED FROM A HOMERUN CONDUIT J-BOX TO AN INDIVIDUAL LUMINAIRE).

USE OF AC, NM, ENT, OR OTHER MANUFACTURED PRE-WIRED SYSTEMS CABLE IS PROHIBITED.

FOR STEEL CONDUIT LARGER THAN 1/2-INCH SIZE, PROVIDE STEEL INSULATED TYPE BUSHINGS, DESIGNED TO PREVENT ABRASION OF WIRES WITHOUT IMPAIRING THE CONTINUITY OF THE CONDUIT GROUNDING SYSTEM. GROUNDING BUSHINGS SHALL BE LOCKING TYPE AND SHALL BE PROVIDED WITH A FEED-THROUGH COMPRESSION LUG FOR SECURING THE GROUND CABLES. PROVIDE LISTED WATERPROOF FITTINGS FOR ALL CONDUIT IN WET LOCATIONS, SUCH AS EXPOSED TO WEATHER.

GROUNDING BUSHINGS SHALL BE STEEL AND INSTALLED AT BOTH ENDS OF THE CONDUIT ON ALL FEEDERS, AS WELL AS ALL TRANSFORMER, MOTOR, MOTOR CONTROLLER, KITCHEN, AND TVSS EQUIPMENT BRANCH CIRCUITS.

LIQUID TIGHT FLEXIBLE METAL CONDUIT SHALL BE PROVIDED IN SUFFICIENT LENGTHS FOR MAKEUP OF MOTORS, TRANSFORMERS, OR EQUIPMENT, AND/OR RACEWAY CONNECTIONS WHERE ISOLATION OF SOUND AND VIBRATION TRANSMISSION IS REQUIRED.

BOXES SHALL BE PRESSED STEEL, GALVANIZED OR CADMIUM-PLATED (4-INCH X 2 1/8" DEEP MINIMUM SQUARE FOR ALL WALL LOCATIONS, 4 11/16-INCH X 2 1/8" DEEP MINIMUM SQUARE FOR ALL ABOVE CEILING LOCATIONS). SURFACE-MOUNTED DEVICE BOXES MOUNTED BELOW 8 FEET AFF SHALL BE (BELL) CAST-TYPE BOXES WITH THREADED KNOCK-OUTS (PROVIDE WITH KNOCK-OUTS ONLY AS REQUIRED BY CONDUIT ENTERING/LEAVING).

DEVICE COVERPLATES: PROVIDE IDENTIFICATION OF CIRCUITS AT ALL INDIVIDUAL WALL SWITCHES, RECEPTACLES, AND CONTROL DEVICE STATIONS. IDENTIFY CIRCUITS WITH PREPRINTED LABEL ON THE FRONT SIDE OF THE COVERPLATE AS WELL AS IDENTIFY CIRCUITS WITH PERMANENT INK MARKER ON THE BACKSIDE OF THE COVERPLATE.

EQUIPMENT IDENTIFICATION LABELS: ENGRAVED PLASTIC LAMINATE. INSTALL ON EACH UNIT OF EQUIPMENT, INCLUDING CENTRAL OR MASTER UNIT OF EACH SYSTEM. APPLY LABELS FOR EACH UNIT OF THE FOLLOWING CATEGORIES OF EQUIPMENT USING MECHANICAL FASTENERS:

1. DISTRIBUTION AND CONTROL EQUIPMENT
   - A. IDENTIFY EQUIPMENT AS WELL AS LOADS SERVED
   - B. 1/4 INCH LETTERING FOR EQUIPMENT DESIGNATION
   - C. 1/8 INCH LETTERING TO IDENTIFY VOLTAGE & FAULT CURRENT RATING
   - D. 1/8 INCH LETTERING TO IDENTIFY FUSE RATING/TYPE
   - E. 1/8 INCH LETTERING TO IDENTIFY FEEDER (CONDUIT & WIRE SIZE)
   - F. 1/8 INCH LETTERING TO IDENTIFY FEEDER SOURCE
2. INDIVIDUAL CIRCUIT BREAKERS AND SWITCHES IN PANELBOARDS AND SWITCHBOARDS:
   - A. 1/8 INCH LETTERING TO IDENTIFY CIRCUIT AND LOAD SERVED, INCLUDING LOCATION.
   - B. 1/8 INCH LETTERING TO IDENTIFY FEEDER INFORMATION
3. PANELBOARDS, SWITCHBOARDS, ELECTRICAL CABINETS, INDIVIDUAL CIRCUIT BREAKERS, DISCONNECT SWITCHES, AND MOTOR STARTERS:
   - A. 1/4 INCH LETTERING FOR EQUIPMENT DESIGNATION
   - B. 1/8 INCH LETTERING TO IDENTIFY VOLTAGE & FAULT CURRENT RATING
   - C. 1/8 INCH LETTERING TO IDENTIFY FEEDER (CONDUIT & WIRE SIZE)
   - D. 1/8 INCH LETTERING TO IDENTIFY FEEDER SOURCE
4. TRANSFORMERS:
   - A. 1/4 INCH LETTERING TO IDENTIFY EQUIPMENT DESIGNATION.
   - B. 1/8 INCH LETTERING TO IDENTIFY PRIMARY AND SECONDARY VOLTAGES, PRIMARY SOURCE, AND SECONDARY LOAD AND LOCATION.
   - C. 1/8 INCH LETTERING TO IDENTIFY LOAD SERVED
   - D. 1/8 INCH LETTERING TO IDENTIFY FEEDER (CONDUIT & WIRE SIZE)
   - E. 1/8 INCH LETTERING TO IDENTIFY FEEDER SOURCE
5. DEVICES ABOVE CEILINGS (ATTACH LABEL TO T-GRID / ACCESS PANEL):
   - A. 1/4 INCH LETTERING TO IDENTIFY EQUIPMENT DESIGNATION.
   - B. MECHANICALLY FASTENED TO CEILING BELOW DEVICE.

POWER, LIGHTING, AND TELECOM

- J-BOX
- (M) MOTOR
- CEILING RECEPTACLE
- FLOOR RECEPTACLE
- DUPLEX RECEPTACLE
- FOUR-PLEX RECEPTACLE
- SPLIT DUPLEX RECEPTACLE WITH ONE-HALF CONTROLLED LOAD
- 4-PLEX WITH ONE NON-CONTROLLED LOAD DUPLEX AND ONE CONTROLLED LOAD DUPLEX
- (G) BLANK FACE GFI DEVICE
- GFI 4-PLEX WITH ONE GFI DUPLEX AND ONE GFI PROTECTED STANDARD DUPLEX
- GFI 4-PLEX WITH ONE NON-CONTROLLED LOAD GFI DUPLEX AND ONE CONTROLLED LOAD GFI DUPLEX
- SPECIAL NEMA RECEPTACLE
- HEAVY DUTY DISCONNECT SWITCH
- MOTOR STARTER / CONTACTOR
- HEAVY DUTY STARTER-DISCONNECT
- VFD VFD MOTOR STARTER
- VFD VFD HEAVY DUTY STARTER-DISCONNECT
- T TRANSFORMER
- SPD SURGE SUPPRESSION DEVICE
- M METER
- THERMAL OVERLOAD SW
- BRANCH CIRCUIT PANEL
- TELEPHONE OUTLET
- TELE-DATA OUTLET
- # DATA OUTLET - # INDICATES NUMBER OF DATA DROPS
- TELEPHONE OUTLET FLOOR
- TELE-DATA OUTLET FLOOR
- TV OUTLET
- EMERGENCY BATTERY LIGHT
- WALL MOUNTED EXIT SIGN
- CEILING MOUNT EXIT SIGN
- CLG MNT EX/EM LT COMBO
- SURFACE WALL LUMINAIRE
- SURFACE CEILING LUMINAIRE
- KEYLESS LAMP HOLDER
- RECESSED DOWNLIGHT
- RECESSED WALL WASHER
- LUMINAIRE STRIP
- SURFACE OR WALL LUMINAIRE
- RECESSED LUMINAIRE
- RECESSED LUMINAIRE 1x4
- TRACK LIGHTING
- PARKING LOT POLE LIGHT
- PEDESTRIAN POLE LUMINAIRE
- FLOOD LUMINAIRE
- S SWITCH
- S_3 3-WAY SWITCH
- S_{OS} OCCUPANCY SENSOR SWITCH
- S_{OD} OCC. SENSOR DIMMER SWITCH
- S_{LV} LOW VOLTAGE SWITCH
- D DIMMER SWITCH
- (P) PHOTOCELL
- OS OCCUPANCY SENSOR
- PP OCC. SEN. POWER PACK
- RC ROOM CONTROLLER
- RCN NETWORK ROOM CONTROLLER
- RC-P ROOM CONTROLLER FOR CONTROLLED PLUG LOADS
- TC TIME CLOCK
- (C) CLOCK-WALL MOUNT
- CS CLOCK/SPEAKER IN COMBINATION BACK-BOX
- (S) SPEAKER-WALL MOUNT
- (S) SPEAKER HORN-WALL MOUNT
- S SPEAKER-RECESSED CEILING (HARD CEILING)
- S SPEAKER-RECESSED CEILING (LAYIN GRID CEILING)
- (S) SPEAKER-SURFACE OR PENDANT MOUNT CEILING
- C CALL STATION
- PUSH BUTTON STATION

GENERAL

- SECTION BUBBLE
  - SECTION LETTER
  - # REFERENCE DWG NUMBER
- REFERENCE BUBBLE
  - SECTION NUMBER
  - # REFERENCE NUMBER
- # REVISION NUMBER
- # EQUIPMENT TAG
- # DRAWING NOTE
- # FLAG NOTE
- ~ BREAKLINE
- MATCHLINE
- WM WIREMOLD
- OPE OVERHEAD PRIMARY ELECTRIC
- OSE OVERHEAD SECONDARY ELECTRIC
- UPE UNDERGROUND PRIMARY ELECTRIC
- USE UNDERGROUND SECONDARY ELECTRIC
- UBE UNDERGROUND BRANCH ELECTRIC
- OBE OVERHEAD BRANCH ELECTRIC
- UC UNDERGROUND COMMUNICATION
- SEC UNDERGROUND SECURITY
- N BOLD LINEWEIGHT AND/OR "N" INDICATES NEW DEVICE OR EQUIPMENT
- R BOLD LINEWEIGHT AND/OR "R" INDICATES DEVICE OR EQUIPMENT TO BE REPLACED
- E LIGHT LINEWEIGHT AND/OR "E" INDICATES EXISTING DEVICE TO REMAIN
- D DASHED LINETYPE AND/OR "D" INDICATES DEVICE TO BE REMOVED / DEMOLISHED

ELECTRONIC SAFETY AND SECURITY

- MAGNETIC DOOR HOLD
- $(S)_S$ SMOKE DETECTOR
- $(S)_T$ THERMAL DETECTOR
- $(S)_V$ VAPE DETECTOR
- D DUCT SMOKE DETECTOR
- F MANUAL PULL STATION
- COMBO SPEAKER/STROBE
- CEILING ALARM STROBE LIGHT
- WALL ALARM STROBE LIGHT
- S H ALARM SPEAKER OR HORN
- (R) REMOTE INDICATOR LIGHT
- FS FLOW SWITCH
- TS TAMPER SWITCH
- CM CONTROL MODULE
- MM MONITOR MODULE
- BTR BEAM DETECTION TRANSMITTER
- BR BEAM DETECTION RECEIVER
- $(B)_{CO}$ CARBON MONOXIDE DETECTOR
- S REMOTE TEST SWITCH
- A AIPHONE MONITOR STATION
- (S) AIPHONE INTERCOM STATION
- DH ELECTRIC DOOR HARDWARE
- GB GLASS BREAK DETECTOR
- (C) CAMERA
- (C) 90 DEGREE CAMERA
- (C) 180 DEGREE CAMERA
- (C) 270 DEGREE CAMERA
- (C) 360 DEGREE CAMERA
- MS MOTION SENSOR
- CR CARD READER
- ML MAGNETIC LOCK
- DS DOOR SWITCH
- KP SECURITY CONTROL KEYPAD
- EB EXIT BUTTON
- ES ELECTRIC STRIKE
- REX REQUEST TO EXIT
- DC DOOR CONTROLLER

DEFINITIONS

AC	INDICATES ABOVE COUNTER, COORDINATE EXACT HEIGHT
BC	INDICATES BELOW COUNTER, COORDINATE EXACT HEIGHT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
GFI	INDICATES GROUND FAULT CIRCUIT INTERRUPT DEVICE
D	INDICATES EXISTING DEVICE TO BE REMOVED
E	INDICATES EXISTING DEVICE TO REMAIN AS IS
ELEC	ELECTRICAL / ELECTRONIC
EC GC SSC TC	ELECTRICAL CONTRACTOR GENERAL CONTRACTOR ELEC SECURITY CONTRACTOR TELECOM CABLING CONTRACTOR
R	INDICATES EXISTING DEVICE TO BE REPLACED
RL	INDICATES EXISTING DEVICE TO BE RELOCATED TO POSITION SHOWN
SPD	INDICATES SURGE SUPRESSION DEVICE
USB	INDICATES UNIVERSAL SERIAL BUS DEVICE
VFD	INDICATES VARIABLE FREQUENCY MOTOR DRIVE
WP	INDICATES WEATHERPROOF EQUIPMENT/DEVICE
EMT	ELECTRICAL METALLIC CONDUIT
FMC	FLEXIBLE METALLIC CONDUIT
LFC	LIQUIDTIGHT FLEXIBLE CONDUIT
PVC	POLYVINYL CHLORIDE CONDUIT
RNC	RIGID NONMETALLIC CONDUIT
RSC	RIGID STEEL CONDUIT
CT	CURRENT TRANSFORMER
HVAC	HEATING, VENTILATION AIR CONDITIONING
LED	LIGHT EMITTING DIODE
AIC	AMPS INTERRUPTING CAPACITY
Isc	SHORT CIRCUIT CURRENT
FLA	FULL LOAD AMPS
MCA	MINIMUM CIRCUIT AMPS
MCCB	MOLDED-CASE CIRCUIT BREAKER
MCP	MOTOR CIRCUIT PROTECTOR
MOCP	MAXIMUM OVERCURRENT PROTECTION
OCPD	OVERCURRENT PROTECTIVE DEVICE
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
NL	NIGHT LIGHT
NEC	NATIONAL ELECTRICAL CODE NFPA 70
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
UL	UNDERWRITERS LABORATORY
ACS	ACCESS CONTROL SYSTEM
SDS	SECURITY DETECTION SYSTEM
VSS	VIDEO SURVEILLANCE SYSTEM
ANN	FIRE ALARM ANNUNCIATOR PANEL
DACT	DIGITAL ALARM COMMUNICATOR TRANSMITTER
EOL	END-OF-LINE
FACP	FIRE ALARM CONTROL PANEL
NAC	NOTIFICATION APPLIANCE CIRCUIT
SLC	SIGNALING LOOP CIRCUIT
AV	AUDIOVISUAL
MDF	MAIN DISTRIBUTION FACILITY
IDF	INTERMEDIATE DISTRIBUTION FACILITY
LAN	LOCAL AREA NETWORK
WAN	WIDE AREA NETWORK
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TGB	TELECOMMUNICATIONS GROUNDING BUS BAR
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUS BAR
UPS	UNINTERRUPTIBLE POWER SUPPLY
DLZ#	DAYLIGHT ZONE AREA

CODE REFERENCES

DFPC ADOPTED CODES:

2021	INTERNATIONAL BUILDING CODE (IBC)
2021	INTERNATIONAL EXISTING BUILDING CODE (IEBC)
2021	INTERNATIONAL FIRE CODE (IFC)
2021	INTERNATIONAL MECHANICAL CODE (IMC)
2021	INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
2021	NFPA 170
2017	INTERNATIONAL CODE COUNCIL (ICC) A117.1 STANDARD FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

DORA ADOPTED CODES:

2021	COLORADO PLUMBING CODE (CPC)
2021	COLORADO FUEL GAS CODE (CFGC)
2023	NATIONAL ELECTRICAL CODE (NEC)

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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

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Key Map

Drawing

ELECTRICAL LEGEND AND NOTES

E-000

SITE PLAN SUBMITTAL
Page 286 of 311

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THE LINE SHOWN ABOVE IS 1" WHEN PLOTTED AT FULL SIZE SHEETS ORIGINAL PAGE SIZE

THE SQUARES ABOVE ARE (FROM LEFT TO RIGHT) BLACK, YELLOW, MAGENTA & CYAN (FROM TOP TO BOTTOM)

- DIGITAL SIGN: PROVIDE POWER. PROVIDE "UC" PATHWAY.
- HANDHOLE #1.2
- HANDHOLE #0.1
- HANDHOLE #1.1
- HANDHOLE #0.2
- HANDHOLE #1.0
- ELECTRICAL SERVICE #2: BASE BID: PANELS MOUNTED ON STANCHION AT THIS LOCATION.
- ELECTRICAL GRADE BOX
- HANDHOLE #0.3
- HANDHOLE #2.0
- HANDHOLE #2.1
- SECURITY HANDHOLE #4.2b
- ELECTRICAL SERVICE #1 480Y/277V/600A-PAD MOUNT TRANSFORMER BY CORE
- ELECTRICAL SERVICE #4 480Y/277V/200A-PAD MOUNT TRANSFORMER BY CORE
- ELECTRICAL MAINTENANCE HOLE - BY TOWN OF PARKER
- HANDHOLE #3.0
- TELECOM ROOM
- HANDHOLE #0.4
- HANDHOLE #4.2
- HANDHOLE #4.1
- HANDHOLE #0.5
- HANDHOLE #4.2a
- HEADQUARTERS BLDG REFER TO E-111B FOR BLDG ELEC PLANS
- HANDHOLE #4.0
- HANDHOLE #3.1
- HANDHOLE #5.0
- ELECTRICAL SERVICE #3 480Y/277V/200A-PAD MOUNT TRANSFORMER BY CORE
- HANDHOLE #5.1
- OVERALL SITE ELECTRICAL PLAN MATCH LINE

SITE PLAN FLAG NOTES:

1. ROUTE UNDERGROUND COMMUNICATIONS CONDUITS AND SECURITY CONDUITS BELOW CONCRETE SIDEWALK.

Site Electrical Plan - South
SCALE: 1" = 80'
0 40 80 160 240
SCALE IN FEET
2 E-100A

Site Electrical Plan
SCALE: 1" = 80'
0 40 80 160 240
SCALE IN FEET
1 E-100A

SITE PLAN GENERAL NOTES

ALL WIRING SHALL BE IN COMPLIANCE WITH THE NEC LATEST EDITION: ALL MULTI-WIRE BRANCH CIRCUITS (120V OR 277V SINGLE PHASE CIRCUITS) IDENTIFIED IN THE PANEL SCHEDULES ORIGINATING FROM SINGLE POLE BREAKER SHALL BE INSTALLED WITH A DEDICATED NEUTRAL CONDUCTOR FOR EACH PHASE CONDUCTOR. THE NEUTRAL CONDUCTOR SHALL HAVE A TRACER STRIPE (THE STRIPE COLOR SHALL MATCH THE COLOR OF THE PHASE CONDUCTOR).

REFER TO THE ELECTRICAL SPECIFICATIONS FOR ADDITIONAL INSTALLATION, CONDUIT DEPTHS, AND SPECIFICATION REQUIREMENTS. ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE TO THE MOST CURRENT LOCAL CODES AND THE NEC LATEST EDITION.

ALL UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC WITH PVC COATED GRC ELBOWS AND RISERS TO 4 FEET ABOVE GRADE AND 1 INCH MINIMUM DIAMETER, UNLESS NOTED OTHERWISE.

ALL UNDERGROUND COMMUNICATION, ELECTRICAL FEEDER, AND BRANCH CIRCUITS SHALL BE INSTALLED A MINIMUM OF 30 INCHES BELOW GRADE WITH BURIED ELECTRICAL WARNING TAPE INSTALLED DIRECTLY ABOVE BETWEEN 6 AND 12 INCHES BELOW GRADE. CONTRACTOR SHALL PROVIDE PULL BOXES AS REQUIRED TO MINIMIZE THE NUMBER OF BENDS TO MEET CODE.

ALL ELECTRICAL DEVICE LOCATIONS SHALL BE COORDINATED WITH THE LANDSCAPE AND CIVIL DRAWINGS/ARCHITECT PRIOR TO ROUGH-IN TO DETERMINE TYPICAL INSTALLATION REQUIREMENTS/LOCATIONS IN RELATION TO THE SITE LANDSCAPE AND CIVIL ELEMENTS. REFER TO LANDSCAPE PLANS FOR EXACT LOCATIONS OF BOLLARDS AND INGRADE LUMINAIRES. LOCATIONS ARE COORDINATED WITH SIDEWALKS AND CONCRETE PAVING.

REFER TO LANDSCAPE PLANS FOR EXACT LOCATIONS OF PEDESTRIAN POLES. LOCATIONS ARE COORDINATED WITH SIDEWALKS AND CONCRETE PAVING AND POLE BASES NEED TO BE INTEGRATED WITH SIDEWALK PAVING.

UNDERGROUND CONDUIT IS INDICATED BY DASHED LINES, UBE, USE, UPE, OR UC.

ROUTE ALL CONDUIT/CIRCUITING ON FINISHED SPACES CONCEALED IN WALLS, ABOVE CEILINGS, OR BELOW FLOORS. ALL CONDUIT/CIRCUITING SHALL BE RUN PARALLEL TO BUILDING WALLS. ANY SURFACE MOUNTED CONDUIT IN FINISHED SPACES OR MOUNTED ON FINISHED SURFACES SHALL BE PAINTED TO MATCH THE SURFACE ON WHICH IT IS MOUNTED.

ALL NEW CIRCUITS SHALL HAVE GROUNDING CONDUCTORS IN ALL FEEDERS AND BRANCH CIRCUITS.

FOR ALL WEATHERPROOF RECEPTACLE COVERS PROVIDE CAST ALUMINUM, WHILE-IN-USE WEATHERPROOF TYPE COVERS, HUBBELL-MG58XX SERIES OR EQUAL.

ALL EXTERIOR RECEPTACLES SHALL BE GFI PROTECTED DEVICES AND HAVE WEATHERPROOF COVERS.

CALL 811 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR MARKING OF UNDERGROUND MEMBER UTILITIES

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ARCHITECTURE

LANDSCAPE ARCHITECTURE

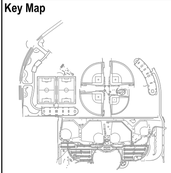
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Drawn By:	AEI
Checked By:	HFR

Key Map



Drawing

OVERALL SITE ELECTRICAL PLAN - BASE BID

E-100A

SITE PLAN SUBMITTAL

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THE LINE SHOWN ABOVE IS 1" WHEN PRINTED ON THIS SHEETS ORIGINAL PAGE SIZE

THE SQUARES ABOVE ARE COLOR, WITH BLACK AND WHITE EITHER A PRINTED OR SCAN ISSUE

C M Y K

DIGITAL SIGN: PROVIDE POWER. PROVIDE "UC" PATHWAY.

HANDHOLE #1.2

ALTERNATE 1: COMMUNITY HUB BLDG REFER TO E-111A FOR BLDG ELEC PLANS

ELECTRICAL SERVICE #2: ALTERNATE #1: IF ALT #1 IS ACCEPTED THEN THE ELEC SERVICE #2 PANELS WILL BE MOUNTED IN THE ELEC ROOM AT THE COMMUNITY HUB BUILDING.

TELECOM ROOM

HANDHOLE #2.1

HANDHOLE #0.1

HANDHOLE #1.1

HANDHOLE #0.2

ELECTRICAL GRADE BOX

HANDHOLE #0.3

HANDHOLE #2.0

HANDHOLE #1.0

ELECTRICAL SERVICE #2: BASE BID: PANELS MOUNTED ON STANCHION AT THIS LOCATION.

ELECTRICAL MAINTENANCE HOLE - BY TOWN OF PARKER

HANDHOLE #3.0

ELECTRICAL SERVICE #1 480Y/277V/600A-PAD MOUNT TRANSFORMER BY CORE

ELECTRICAL SERVICE #4 480Y/277V/200A-PAD MOUNT TRANSFORMER BY CORE

SECURITY HANDHOLE #4.2b

TELECOM ROOM

HANDHOLE #0.4

HANDHOLE #4.2

HANDHOLE #4.1

HANDHOLE #0.5

HANDHOLE #4.2a

HEADQUARTERS BLDG REFER TO E-111B FOR BLDG ELEC PLANS

HANDHOLE #4.0

HANDHOLE #3.1

HANDHOLE #5.0

ELECTRICAL SERVICE #3 480Y/277V/200A-PAD MOUNT TRANSFORMER BY CORE

HANDHOLE #5.1

OVERALL SITE ELECTRICAL PLAN MATCH LINE

OVERALL SITE ELECTRICAL PLAN MATCH LINE

SITE PLAN FLAG NOTES:

1. ROUTE UNDERGROUND COMMUNICATIONS CONDUITS AND SECURITY CONDUITS BELOW CONCRETE SIDEWALK.

Site Electrical Plan - South
SCALE: 1" = 80'
2 / E-100B

Site Electrical Plan
SCALE: 1" = 80'
1 / E-100B

SITE PLAN GENERAL NOTES

ALL WIRING SHALL BE IN COMPLIANCE WITH THE NEC LATEST EDITION: ALL MULTI-WIRE BRANCH CIRCUITS (120V OR 277V SINGLE PHASE CIRCUITS) IDENTIFIED IN THE PANEL SCHEDULES ORIGINATING FROM SINGLE POLE BREAKER SHALL BE INSTALLED WITH A DEDICATED NEUTRAL CONDUCTOR FOR EACH PHASE CONDUCTOR. THE NEUTRAL CONDUCTOR SHALL HAVE A TRACER STRIPE (THE STRIPE COLOR SHALL MATCH THE COLOR OF THE PHASE CONDUCTOR).

REFER TO THE ELECTRICAL SPECIFICATIONS FOR ADDITIONAL INSTALLATION, CONDUIT DEPTHS, AND SPECIFICATION REQUIREMENTS. ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE TO THE MOST CURRENT LOCAL CODES AND THE NEC LATEST EDITION.

ALL UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC WITH PVC COATED GRC ELBOWS AND RISERS TO 4 FEET ABOVE GRADE AND 1 INCH MINIMUM DIAMETER, UNLESS NOTED OTHERWISE.

ALL UNDERGROUND COMMUNICATION, ELECTRICAL FEEDER, AND BRANCH CIRCUITS SHALL BE INSTALLED A MINIMUM OF 30 INCHES BELOW GRADE WITH BURIED ELECTRICAL WARNING TAPE INSTALLED DIRECTLY ABOVE BETWEEN 6 AND 12 INCHES BELOW GRADE. CONTRACTOR SHALL PROVIDE PULL BOXES AS REQUIRED TO MINIMIZE THE NUMBER OF BENDS TO MEET CODE.

ALL ELECTRICAL DEVICE LOCATIONS SHALL BE COORDINATED WITH THE LANDSCAPE AND CIVIL DRAWINGS/ARCHITECT PRIOR TO ROUGH-IN TO DETERMINE TYPICAL INSTALLATION REQUIREMENTS/LOCATIONS IN RELATION TO THE SITE LANDSCAPE AND CIVIL ELEMENTS. REFER TO LANDSCAPE PLANS FOR EXACT LOCATIONS OF BOLLARDS AND INGRADE LUMINAIRES. LOCATIONS ARE COORDINATED WITH SIDEWALKS AND CONCRETE PAVING.

REFER TO LANDSCAPE PLANS FOR EXACT LOCATIONS OF PEDESTRIAN POLES. LOCATIONS ARE COORDINATED WITH SIDEWALKS AND CONCRETE PAVING AND POLE BASES NEED TO BE INTEGRATED WITH SIDEWALK PAVING.

UNDERGROUND CONDUIT IS INDICATED BY DASHED LINES, UBE, USE, UPE, OR UC.

ROUTE ALL CONDUIT/CIRCUITING ON FINISHED SPACES CONCEALED IN WALLS, ABOVE CEILINGS, OR BELOW FLOORS. ALL CONDUIT/CIRCUITING SHALL BE RUN PARALLEL TO BUILDING WALLS. ANY SURFACE MOUNTED CONDUIT IN FINISHED SPACES OR MOUNTED ON FINISHED SURFACES SHALL BE PAINTED TO MATCH THE SURFACE ON WHICH IT IS MOUNTED.

ALL NEW CIRCUITS SHALL HAVE GROUNDING CONDUCTORS IN ALL FEEDERS AND BRANCH CIRCUITS.

FOR ALL WEATHERPROOF RECEPTACLE COVERS PROVIDE CAST ALUMINUM, WHILE-IN-USE WEATHERPROOF TYPE COVERS, HUBBELL-MG58XX SERIES OR EQUAL.

ALL EXTERIOR RECEPTACLES SHALL BE GFI PROTECTED DEVICES AND HAVE WEATHERPROOF COVERS.

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ARCHITECTURE

LANDSCAPE ARCHITECTURE

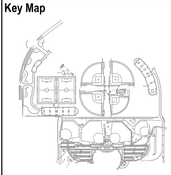
PLANNING

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Key Map



Drawing

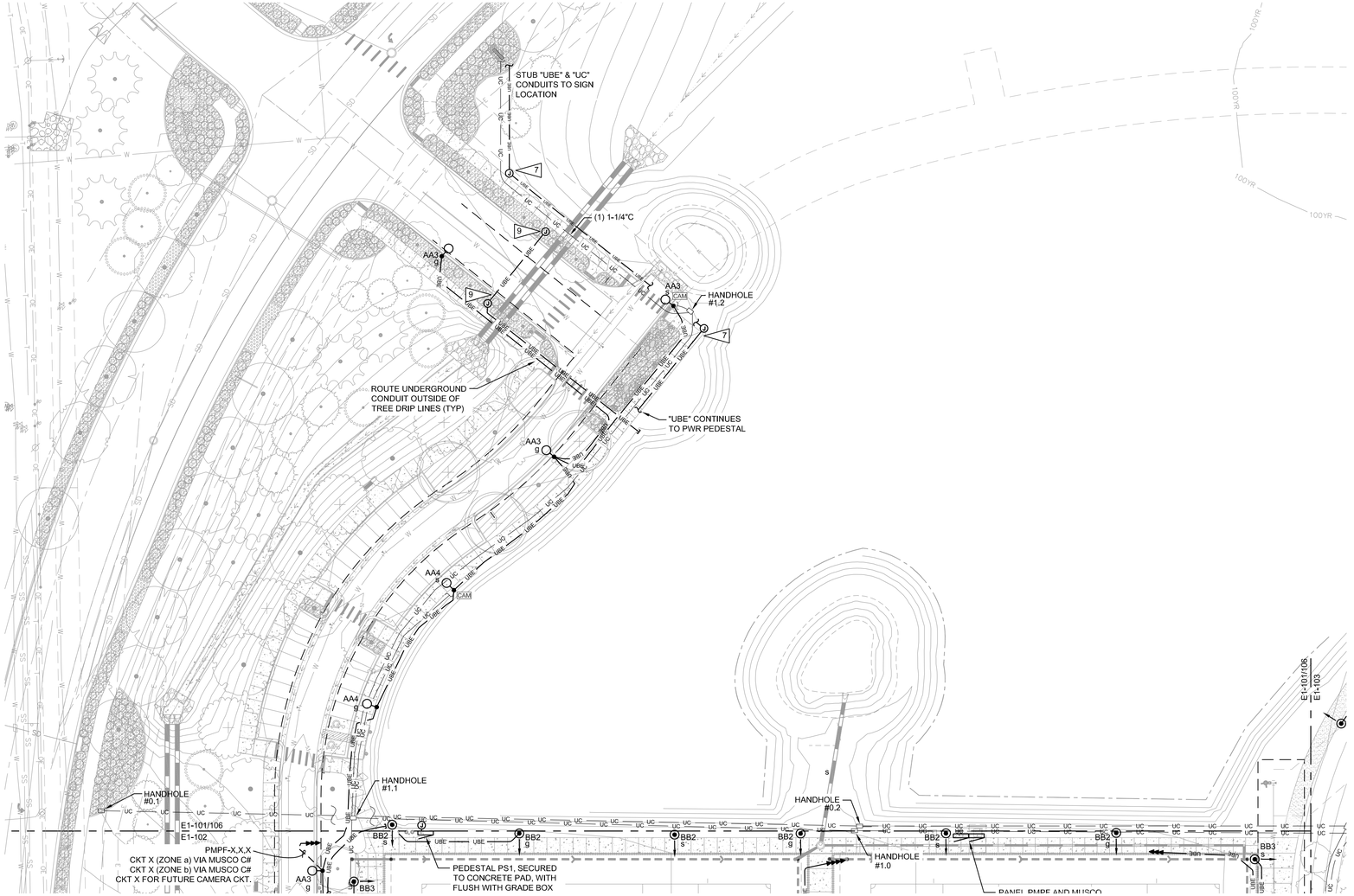
OVERALL SITE ELECTRICAL PLAN - ALTERNATES

E-100B

SITE PLAN SUBMITTAL
Page 288 of 311

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COLORADO 811 — CALL 811 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR MARKING OF UNDERGROUND MEMBER UTILITIES



Site Electrical Plan

SCALE: 1" = 40'

0 20 40 80 120

SCALE IN FEET

1 / E1-101

PLAN GENERAL NOTES:

REFER TO E-000 FOR ELECTRICAL GENERAL NOTES, LIGHTING GENERAL NOTES, LIGHTING CONTROL NOTES, AND LIGHTING FLAG NOTES. (TYPICAL FOR ALL SHEETS).

SITE LIGHTING CONTROL ZONES: s = SECURITY, g = GENERAL. REFER TO LIGHTING CONTROL SCHEDULES FOR MORE INFORMATION ON BRANCH CIRCUITING.

FLAG NOTES:

NOT ALL FLAG NOTES MAY BE USED ON EACH SHEET.

1. PROVIDE WHILE IN-USE WEATHERPROOF, GFI RECEPTACLE MOUNTED ON POST WITHIN BACKFLOW PREVENTOR ENCLOSURE. REFER TO DETAIL ON DETAILS SHEET.
2. PROVIDE WEATHERPROOF, GFI DUPLEX RECEPTACLE IN DUGOUT. COORDINATE EXACT LOCATION WITH LANDSCAPE ARCH.
3. PROVIDE 120V CIRCUIT FOR SCOREBOARD POWER. PROVIDE LIGHTNING PROTECTION FOR SCOREBOARD.
4. PROVIDE PEDESTAL FOR FOOD TRUCK VENDORS. REFER TO DETAIL ON E-500 SERIES.
5. PROVIDE WEATHERPROOF, GFI DUPLEX RECEPTACLE ON BACKSIDE OF BACKSTOP FENCE FOR SCOREBOARD CONTROLLER.
6. - - NOT USED - -
7. POWER FOR DIGITAL SIGN.
8. PROVIDE FLUSH WITH GRADE J-BOX, WITHIN 2' OF BACK OF CURB, WITH 1-1/4"C BACK TO NEAREST EV CHARGING PEDESTAL.
9. PROVIDE EXTERIOR FLUSH WITH GRADE GROUND BOX (12"x18"x30"D) WITH 1" CONDUIT EXTENDING TO LIMITS OF WORK BOUNDARY, AS INDICATED. CAP AND STAKE CONDUIT. PROVIDE PULL STRING. FOR FUTURE HOLIDAY LIGHTING RECEPTACLES TO BE EXTENDED TO AND FED FROM HUB BLDG.
10. PROVIDE EXTERIOR GROUND BOX WITH TWO (2) 20A DUPLEX RECEPTACLES IN A WEATHERPROOF GRADE BOX WITH WHILE IN-USE COVER, LEGRAND WIREMOLD XB814C520GY GRAY. PROVIDE 20A GFI PROTECTED CIRCUIT AS INDICATED.

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LANDSCAPE ARCHITECTURE

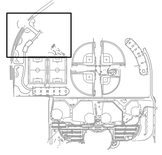
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Key Map



Drawing

SITE ELECTRICAL PLAN

E1-101

SITE PLAN SUBMITTAL

CALL 811 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR MARKING OF UNDERGROUND MEMBER UTILITIES

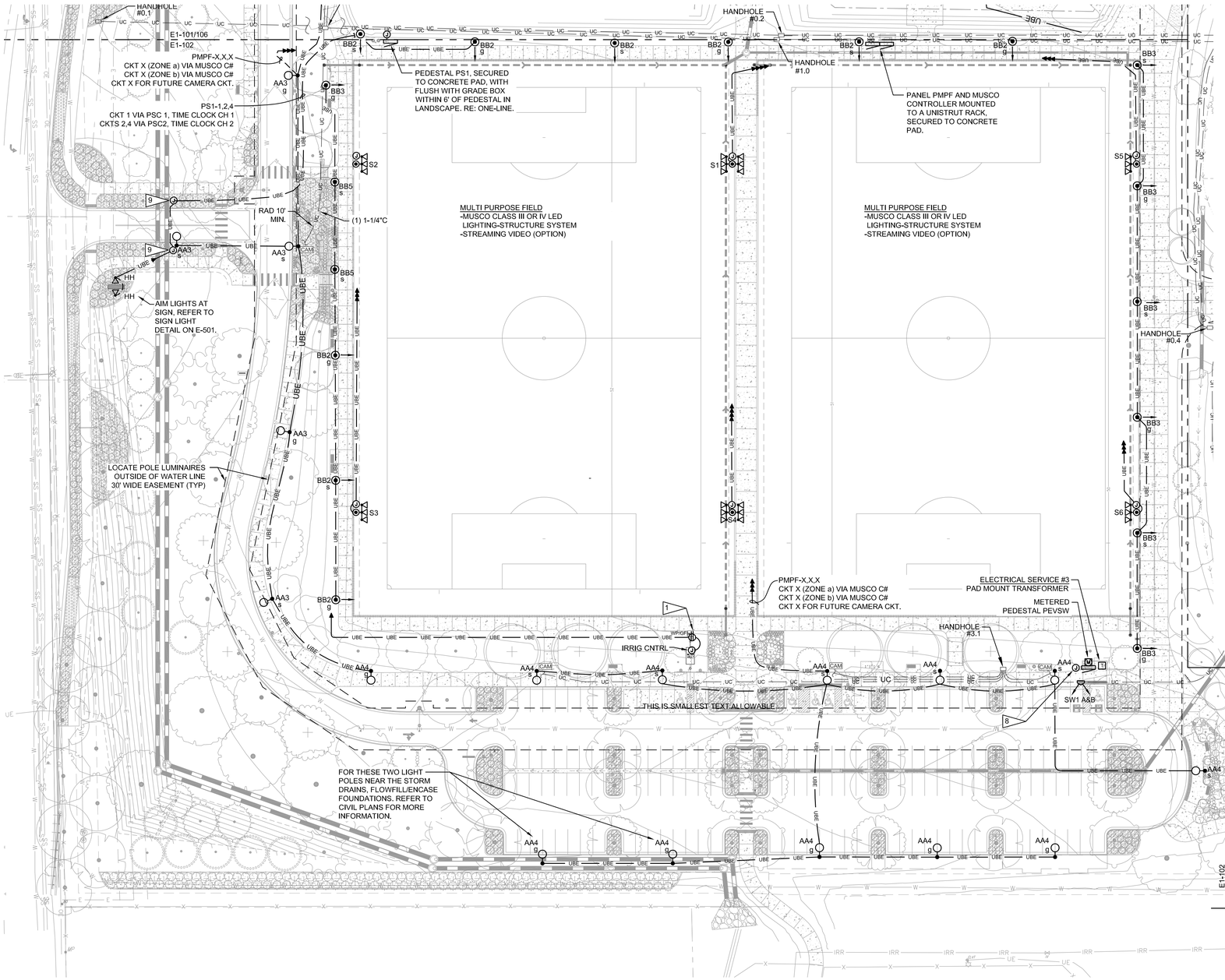
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THE SQUARES ABOVE ARE COLOR, WITH BLACK AND WHITE EQUIVALENTS WHEN PLOTTED



Site Electrical Plan

SCALE: 1" = 40'

1
E1-102

0 20 40 80 120

SCALE IN FEET

PLAN GENERAL NOTES:

REFER TO E-000 FOR ELECTRICAL GENERAL NOTES, LIGHTING GENERAL NOTES, LIGHTING CONTROL NOTES, AND LIGHTING FLAG NOTES. (TYPICAL FOR ALL SHEETS).

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ARCHITECTURE

LANDSCAPE ARCHITECTURE

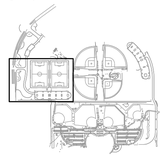
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Key Map



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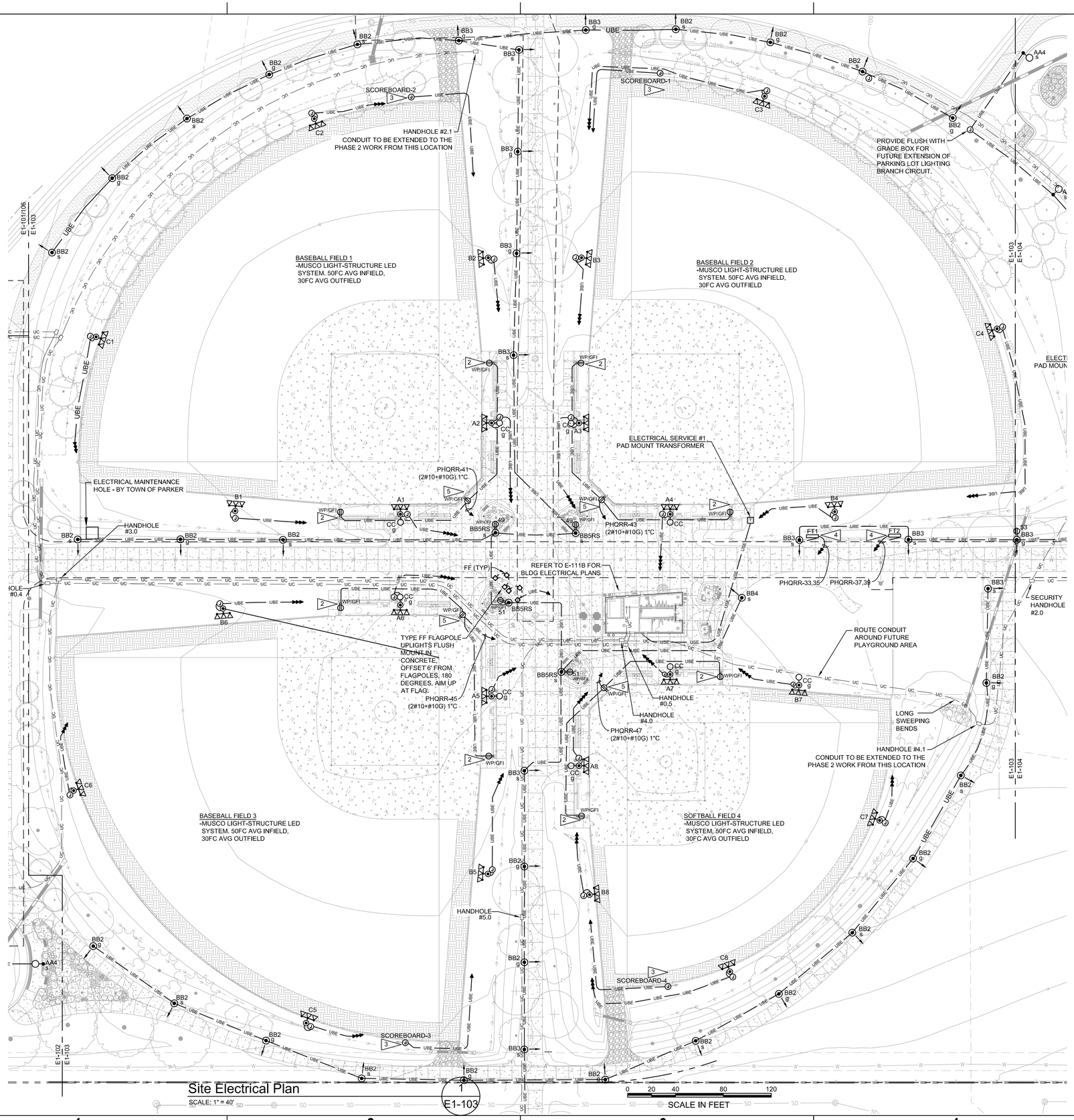
SITE ELECTRICAL PLAN

E1-102

SITE PLAN SUBMITTAL

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CALL 811 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR MARKING OF UNDERGROUND MEMBER UTILITIES



Site Electrical Plan

SCALE: 1" = 40'

E1-103

PLAN GENERAL NOTES:

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COLORADO 811
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LANDSCAPE ARCHITECTURE

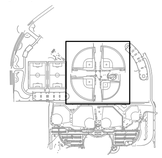
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Key Map



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SITE ELECTRICAL PLAN

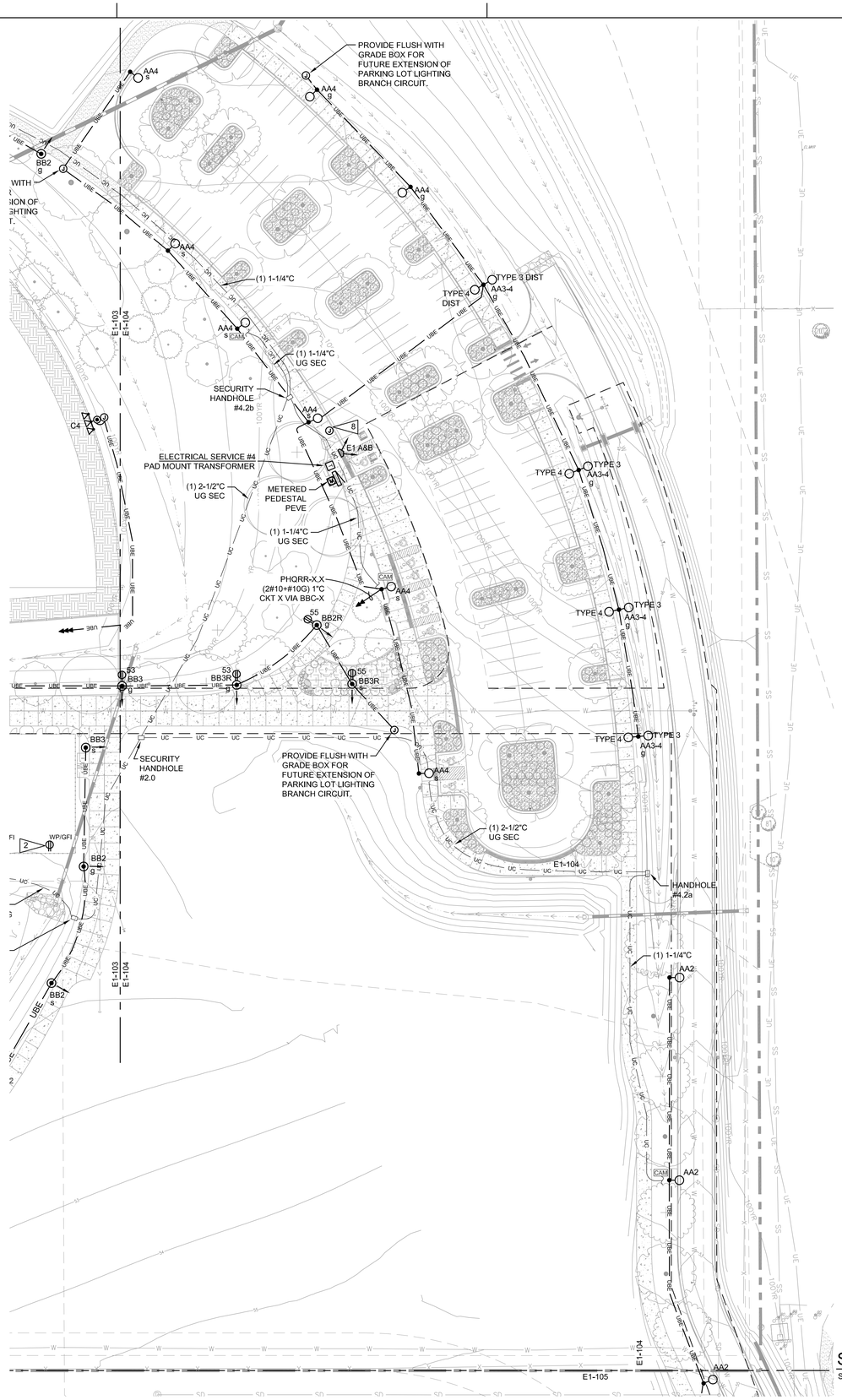
E1-103

SITE PLAN SUBMITTAL
Page 291 of 311

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PLAN GENERAL NOTES:

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Site Electrical Plan
SCALE: 1" = 40'

1
E1-104

0 20 40 80 120
SCALE IN FEET

COLORADO 811
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LANDSCAPE ARCHITECTURE

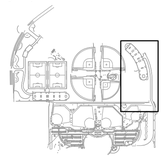
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Key Map



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SITE ELECTRICAL PLAN

E1-104

SITE PLAN SUBMITTAL
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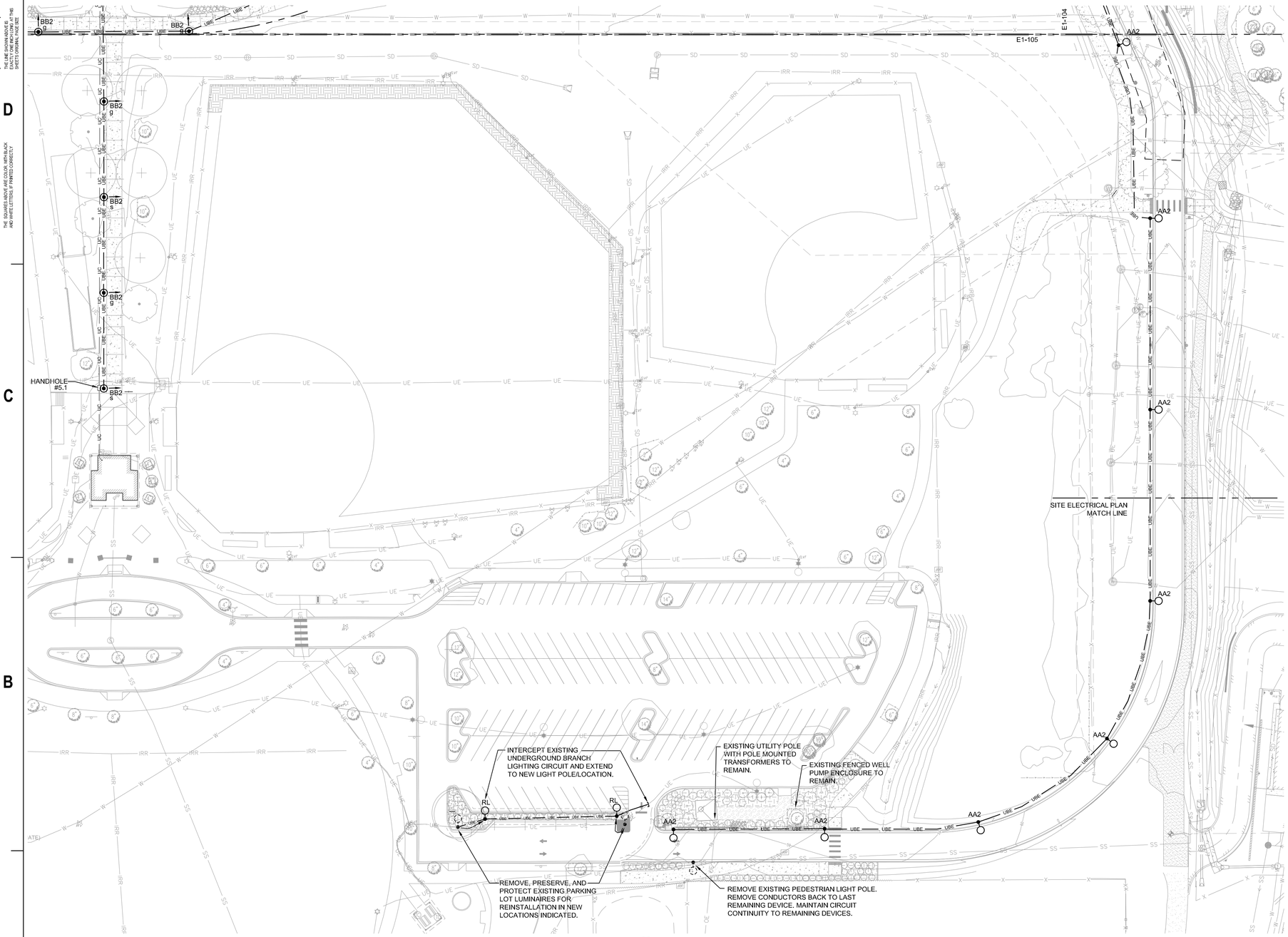
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THE LINE SHOWN ABOVE IS 1" WHEN PLOTTED AT FULL SIZE SHEETS ORIGINAL PAGE SIZE

THE SQUARES ABOVE ARE (FROM LEFT TO RIGHT) YELLOW, MAGENTA, CYAN, AND BLACK



Site Electrical Plan
SCALE: 1" = 40'

0 20 40 80 120
SCALE IN FEET

1
E1-105

PLAN GENERAL NOTES:

REFER TO E-000 FOR ELECTRICAL GENERAL NOTES, LIGHTING GENERAL NOTES, LIGHTING CONTROL NOTES, AND LIGHTING FLAG NOTES. (TYPICAL FOR ALL SHEETS).

SITE LIGHTING CONTROL ZONES: s = SECURITY, g = GENERAL. REFER TO LIGHTING CONTROL SCHEDULES FOR MORE INFORMATION ON BRANCH CIRCUITING.

FLAG NOTES:

NOT ALL FLAG NOTES MAY BE USED ON EACH SHEET.

1. PROVIDE WHILE IN-USE WEATHERPROOF, GFI RECEPTACLE MOUNTED ON POST WITHIN BACKFLOW PREVENTOR ENCLOSURE. REFER TO DETAIL ON DETAILS SHEET.
2. PROVIDE WEATHERPROOF, GFI DUPLEX RECEPTACLE IN DUGOUT. COORDINATE EXACT LOCATION WITH LANDSCAPE ARCH.
3. PROVIDE 120V CIRCUIT FOR SCOREBOARD POWER. PROVIDE LIGHTNING PROTECTION FOR SCOREBOARD.
4. PROVIDE PEDESTAL FOR FOOD TRUCK VENDORS. REFER TO DETAIL ON E-500 SERIES.
5. PROVIDE WEATHPROOF, GFI DUPLEX RECEPTACLE ON BACKSIDE OF BACKSTOP FENCE FOR SCOREBOARD CONTROLLER.
6. - - NOT USED - -
7. POWER FOR DIGITAL SIGN.
8. PROVIDE FLUSH WITH GRADE J-BOX, WITHIN 2' OF BACK OF CURB, WITH 1-1/4"C BACK TO NEAREST EV CHARGING PEDESTAL.
9. PROVIDE EXTERIOR FLUSH WITH GRADE GROUND BOX (12"x18"x30"D) WITH 1" CONDUIT EXTENDING TO LIMITS OF WORK BOUNDARY, AS INDICATED. CAP AND STAKE CONDUIT. PROVIDE PULL STRING. FOR FUTURE HOLIDAY LIGHTING RECEPTACLES TO BE EXTENDED TO AND FED FROM HUB BLDG.
10. PROVIDE EXTERIOR GROUND BOX WITH TWO (2) 20A DUPLEX RECEPTACLES IN A WEATHERPROOF GRADE BOX WITH WHILE IN-USE COVER, LEGRAND WIREMOLD XB814C520GY GRAY. PROVIDE 20A GFI PROTECTED CIRCUIT AS INDICATED.

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Town of Parker
SALISBURY PARK NORTH - PHASE 1
11700 MOTSENBOCKER RD
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ARCHITECTURE

LANDSCAPE ARCHITECTURE

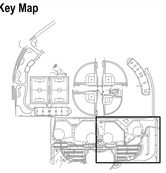
PLANNING

INTERIOR DESIGN

	DATE	DESCRIPTION

Project Number:	223072.00
Sheet Issue Date:	2024-11-22
Drawn By:	AEI
Checked By:	HFR

Key Map



Drawing

SITE ELECTRICAL PLAN

E1-105

SITE PLAN SUBMITTAL
Page 293 of 311

COLORADO 811
CALL 811 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR MARKING OF UNDERGROUND MEMBER UTILITIES

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THE LINE SHOWN ABOVE IS 1" LONG WHEN PLOTTED AT FULL SHEETS ORIGINAL PAGE SIZE

THE SQUARES ABOVE ARE (FROM LEFT TO RIGHT) BLACK, YELLOW, MAGENTA & CYAN (FULL STRENGTH)

PLAN GENERAL NOTES:

REFER TO E-000 FOR ELECTRICAL GENERAL NOTES, LIGHTING GENERAL NOTES, LIGHTING CONTROL NOTES, AND LIGHTING FLAG NOTES. (TYPICAL FOR ALL SHEETS).

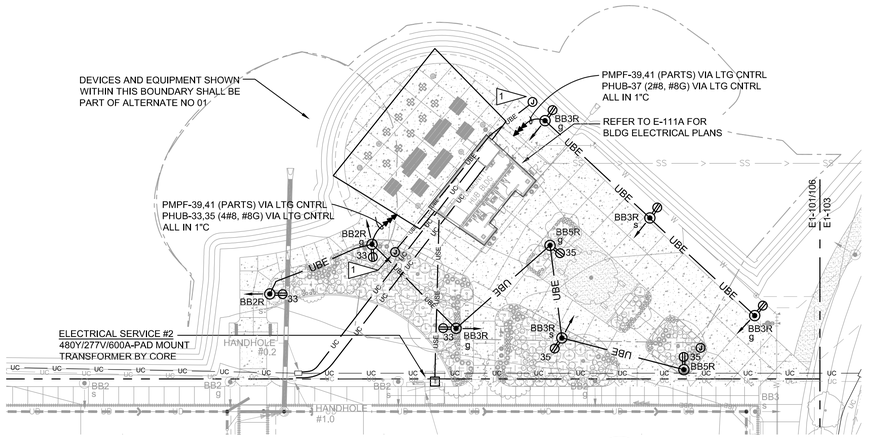
SITE LIGHTING CONTROL ZONES: s = SECURITY, g = GENERAL. REFER TO LIGHTING CONTROL SCHEDULES FOR MORE INFORMATION ON BRANCH CIRCUITING.

FLAG NOTES - ALTERNATES:

NOT ALL FLAG NOTES MAY BE USED ON EACH SHEET.

1. PROVIDE FLUSH WITH GRADE PULL BOX WITH (2) 3-1/2" CONDUITS TO SUPPORT FUTURE PHASE 3 PARK BUILD-OUT. RE: FLUSH WITH GRADE PULL BOX DETAIL, DRAWING SHEET E-501.

2. ALTERNATE NO. 04 - BATTING CAGES: PROVIDE WEATHPROOF, GFI DUPLEX RECEPTACLE ALONG INSIDE OF FENCING FOR PITCHING MACHINE.



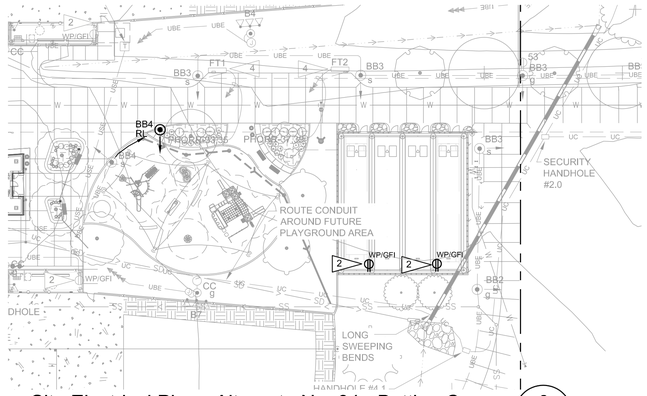
Site Electrical Plan - Alternate No. 01 - HUB Bldg

SCALE: 1" = 40'

0 20 40 80 120

SCALE IN FEET

1 E1-106



Site Electrical Plan - Alternate No. 04 - Batting Cages

SCALE: 1" = 40'

0 20 40 80 120

SCALE IN FEET

2 E1-106

CALL 811 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR MARKING OF UNDERGROUND MEMBER UTILITIES

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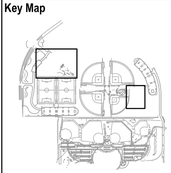
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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

	DATE	DESCRIPTION

Project Number:	223072.00
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Checked By:	HFR

Key Map



Drawing

SITE ELECTRICAL PLAN - ALTERNATES

E1-106

SITE PLAN SUBMITTAL

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THE LINE SHOWN ABOVE IS EXACTLY 1" WHEN PRINTED ON ARCH D SHEETS ORIGINAL PAGE SIZE

THE SQUARES ABOVE ARE COLOR WITH BLACK AND WHITE LEFTOVER, IF PRINTED CORRECTLY

Salisbury Park - HUB Restroom Building - Equipment Electrical Connection Schedule

	Description	Electrical Load	Volt	Ph	AIC	Feeder Conductors & Conduit All Conductors shall be Copper	Protection	Notes
EF-1A	Exhaust Fan - Mens RR	66 W	120	1	NA	Panel PHUB-13, Share with Lts Feeder (2#12+1#12G) 1/2"C	Thermal Overload Safety Disc @ Unit 15A1P / 2A Fuse	1,3
EF-1B	Exhaust Fan - Womens RR	66 W	120	1	NA	Panel PHUB-13, Share with Lts Feeder (2#12+1#12G) 1/2"C	Thermal Overload Safety Disc @ Unit 15A1P / 2A Fuse	1,3
EF-2	Exhaust Fan - Family RR	96 W	120	1	NA	Panel PHUB-13, Share with Lts Feeder (2#12+1#12G) 1/2"C	Thermal Overload Safety Disc @ Unit 15A1P / 2A Fuse	1,3
EF-3	Exhaust Fan - Storage (on Roof)	1/4 HP 5.8 FLA	120	1	NA	Panel PHUB-20 (15A1P) Feeder (2#12+1#12G) 1/2"C	Thermal Overload Safety Disc @ Unit 15A1P / 8A Fuse	3,7
EF-4	Exhaust Fan - Electrical Rm	66 W	120	1	NA	Panel PHUB-30 Brkr (15A1P) Feeder (2#12+1#12G) 1/2"C	Thermal Overload Safety Disc @ Unit 15A1P / 2A Fuse	3,8
ECUH-1A	Electric Cabinet Unit Heater - Mens	5.0 kVA 24.0 MCA	208	1	NA	Panel PHUB-12,14 Brkr (30A2P) Feeder (2#10+1#10G) 1/2"C	Heavy Duty Safety Disc @ Unit 30A2P / 25FRS-R	2
ECUH-1B	Electric Cabinet Unit Heater - Womens	5.0 kVA 24.0 MCA	208	1	NA	Panel PHUB-8,10 Brkr (30A2P) Feeder (2#10+1#10G) 1/2"C	Heavy Duty Safety Disc @ Unit 30A2P / 25FRS-R	2
ECUH-2	Electric Cabinet Unit Heater - Family	2.0 kVA 10.0 MCA	208	1	NA	Panel PHUB-16,18 Brkr (20A2P) Feeder (2#12+1#12G) 1/2"C	Heavy Duty Safety Disc @ Unit 30A2P / 12FRS-R	2
EUH-1A	Electric Unit Heater - Chase	5.0 kVA 24 MCA	208	1	NA	Panel PHUB-22,24 Brkr (30A2P) Feeder (2#10+1#10G) 1/2"C	Heavy Duty Safety Disc @ Unit 30A2P / 30FRS-R	2
EUH-1B	Electric Unit Heater - Chase	5.0 kVA 24 MCA	208	1	NA	Panel PHUB-26,28 Brkr (30A2P) Feeder (2#10+1#10G) 1/2"C	Heavy Duty Safety Disc @ Unit 30A2P / 25FRS-R	2
AC-1	Ductless Split AC Fan Coil Unit - IT Rm	0.5 MCA	208	1	NA	Panel PHUB-3,5 Brkr (15A2P) Feeder (2#12+1#12G) 1/2"C	Thermal Overload Safety Disc @ Unit 15A2P / 2A Fuse	3,4,5
AC-2	Ductless Split AC Fan Coil Unit - IT Rm	0.5 MCA	208	1	NA	Panel PHUB-3,5 Share with AC-1 Feeder (2#12+1#12G) 1/2"C	Thermal Overload Safety Disc @ Unit 15A2P / 2A Fuse	3,4,5
CU-1	Ductless Split AC Condensing Unit	25.0 MCA 40.0 MOCP	208	1	NA	Panel PHUB-7,9 Brkr (40A2P) Feeder (2#8+1#10G) 3/4"C	Heavy Duty Safety Disc @ Unit 60A2P / 40FRS-R	2
EWH-1	Electric Water Heater	6.0 kW 12.5 A	480	3	NA	Panel PMPF-32,34,36 Brkr (20A3P) Feeder (3#12+1#12G) 1/2"C	Heavy Duty Safety Disc @ Unit 30A2P / 15FRN-R	2
CP-1	Circulation Pump	70W 1A	120	1	NA	Panel PHUB-1 (20A1P) Feeder (2#12+1#12G) 1/2"C	Thermal Overload Safety Disc @ Unit 20A1P / 5A Fuse	3
OHD	Overhead Door	3/4 HP 13.8 FLA	120	1	NA	Panel PHUB-11 Brkr (20A2P) Feeder (2#12+1#12G) 1/2"C	Thermal Overload Safety Disc @ Unit 20A1P / 20A Fuse	3,6
HD	Hand Dryer	1620 W	120	1	NA	Panel PHQRR-Ckts on Plans (20A1P) Feeder (2#12+1#12G) 1/2"C		

Notes (All notes may not be used in the schedule aboved):

1	Control with lighting controller in room (occupancy sensor on with lights in each room) <
2	Provide a new NEMA-3R Heavy Duty Safety Disconnect at the unit and provide a new power feeder from the indicated Electrical Panel to the equipment as indicated <
3	Provide a new Thermal Overload Safety Disconnect at the unit and provide a new power feeder from the indicated Electrical Panel to the new equipment as indicated <
4	Unit power and control provided from associated Condensing Unit (CU) by Div 26, verify exact wiring requirements with equipment manufacturer, supplier, and installer <
5	Unit furnished with Condensate Pump, Provide NEMA 5-20R Recept for Condensate Pump Power Connection - Share branch Circuit with nearest convenience receptacle <
6	Overhead Door Operator furnished and installed by Div 11 Contractor, Power and line voltage control Wiring by Div 16 Contractor (EC). Install 3-button controller, Open / Close / Stop. <
7	Provide connection to line voltage switch or variable speed control switch, refer to Mechanical Plans and coordinate with Div 23 Contractor for Switch location. Standard Toggle Switch furnished by Div 26 / Variable Speed Switch furnished by Div 23 / all line voltage wiring and terminations by Div 26 <
8	Provide conduit to for low voltage thermostat, refer to Mechanical Plans and coordinate with Div 23 Contractor for thermostat location. T-Stat by Div 23 <

COORDINATE EXACT REQUIREMENTS FOR ALL ELECTRICAL WORK, ASSOCIATED WITH THE MECHANICAL EQUIPMENT MODIFICATIONS, WITH THE MECHANICAL CONTRACTOR, MANUFACTURERS' NAMEPLATES AND LITERATURE PRIOR TO ROUGH-IN. REFER TO THE MECHANICAL PLANS (HVAC & PLUMBING) FOR ALL EQUIPMENT LOCATIONS

Name: **PHUB - Hub Bldg - Alternate 1** Mnt Method: **Surface**
Volt: **208/120** Bus Rating: **1200**
Ph: **3** Main Breaker: **1000**
Wire: **4** AIC Rating: **10,000**

	Code	Description	Load VA	Bkr	P	Ph A	Ph B	Ph C	P	Bkr	Load VA	Description	Code	
1	6	Circ Pump	70	20	1	*			1	20		SPARE		2
3	3	AC-1 & AC-2 IT Room	208	15	2		*		1	20		SPARE		4
5		-----	/	/				*	1	20		SPARE		6
7	6	CU-1 for AC-1 & AC-2	5200	40	2	*			2	30	4800	ECUH-1B Women RR	4	8
9		-----	/				*		/			-----		10
11	6	Overhead Door	1656	20	1			*	2	30	4800	ECUH-1A Men RR	4	12
13	1	Lighting Int, Efs	912	20	1	*			/			-----		14
15		Lighting Exterior	885	20	1		*		2	20	2000	ECUH-2 Family RR	4	16
17	2	Recep Ded 4-plex	1000	20	1			*	/			-----		18
19	2	Recep Ded 4-plex	1000	20	1	*			1	15	696	EF-3 Storage (Roof)	3	20
21	2	Recep	2000	20	2		*		2	30	5000	EUH-1A Storage (Chase)	4	22
23		/		1				*	/			-----		24
25	2	Recep	720	20	1	*			2	30	5000	EUH-1B Storage (Chase)	4	26
27	2	Recep	720	20	1		*		/			-----		28
29	2	Recep IT Rm	720	20	1			*	1	15	66	EF-4 Elec Room	3	30
31	2	Recep IT Rm	540	20	1	*			1	20	1620	Hand Dryer-Mens	6	32
33	2	Rec Exterior Bldg	720	20	1		*		1	20	1620	Hand Dryer-Mens	6	34
35	2	Rec Pedestrian	800	20	1			*	1	20	1620	Hand Dryer-Womens	6	36
37	2	Rec Pedestrian	800	20	1	*			1	20	1620	Hand Dryer-Womens	6	38
39	2	Rec Pedestrian	1200	20	1		*		1	20	1620	Hand Dryer-Family	6	40
41		SPARE		20	1			*	1	20		SPACE		42
43		SPARE		20	1	*			3	100	28000	CAMLock - Co Switch	6	44
45		SPARE		20	1		*		/			-----		46
47		SPARE		20	1			*	/			-----		48
49		SPARE		20	1	*			3	100	28000	CAMLock - Co Switch	6	50
51		SPARE		20	1		*		/			-----		52
53		SPARE		20	1			*	/			-----		54
55		SPARE		20	1	*			-			Space Only		56
57		SPARE		20	1		*		-			Space Only		58
59		SPARE		20	1			*	-			Space Only		60
61		Space Only		-		*			-			Space Only		62
63		Space Only		-			*		-			Space Only		64
65		Space Only		-				*	-			Space Only		66
67		Space Only		-		*			-			Space Only		68
69		Space Only		-			*		-			Space Only		70
71		Space Only		-				*	-			Space Only		72
73		Space Only		-		*			-			Space Only		74
75		Space Only		-			*		-			Space Only		76
77		Space Only		-				*	-			Space Only		78
79	7	Pnl PPRR - Playground	100088	350	3	*			-			Space Only		80
81		(Future)	/	/			*		-			Space Only		82
83				/				*	-			Space Only		84

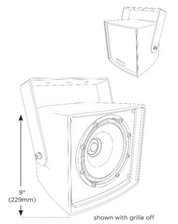
Code	Description	Load VA	Dem
1	Lighting	**1797**	125%
2	Rec up to 10,000	**10000**	100%
	Rec over 10,000	**220**	50%
3	Motor	**274**	100%
	Largest Motor	**696**	125%
4	Heater	**21600**	100%
5	Kitchen		100%
6	Miscellaneous	**71026**	100%
7	Sub Panel	**100088**	100%

Load Summary

Per	Phase		
Ph A	**69907**	VA	
Ph B	**70898**	VA	
Ph C	**64895**	VA	
Connected		**205700.5**	VA
Code	Demand	**206214**	VA
Code	Demand	**573.07**	Amps

COMMUNITY R Series

R.15COAX



Speaker PA (Typical)
N.T.S.

COMMUNITY

W2-218



Speaker Special Events (Typical)
N.T.S.

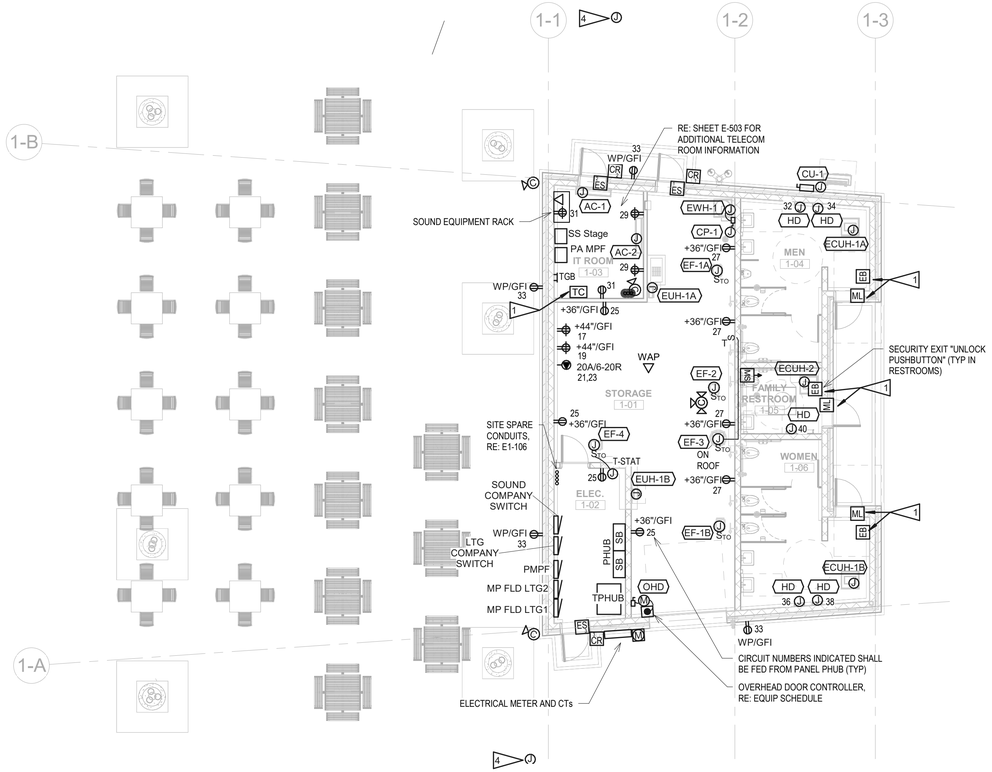
ELECTRICAL NOTES

REFER TO E-000 FOR ELECTRICAL GENERAL NOTES, LIGHTING GENERAL NOTES, LIGHTING CONTROL GENERAL NOTES, AND LIGHTING CONTROL NOTES.

FLAG NOTES

NOT ALL FLAG NOTES MAY BE USED ON EACH SHEET.

1. PROVIDE DOOR LOCKS INTEGRATED WITH PARK SECURITY SYSTEM. RESTROOM DOORS SHALL BE CONTROLLED VIA PROGRAMMABLE TIME OF DAY LOCK/UNLOCK SECURITRON DT-7 DIGITAL TIMER. THE UTILITY, STORAGE, I.T., ELECTRICAL, (AND OFFICE) ROOM DOORS SHALL BE CONTROLLED VIA ADJACENT CARD READER/KEYPAD. REFER TO DRAWING SHEET E-000 FOR MORE INFORMATION REGARDING SECURITY SYSTEM REQUIREMENTS.
2. PROVIDE POWER TO BACKLIT SIGNAGE SPECIFIED BY ARCHITECT. COORDINATE WITH SIGN MANUFACTURER ON POWER CONNECTION LOCATIONS AND QUANTITIES. REFER TO ARCHITECTURAL PLANS FOR ELEVATIONS AND FOR MORE INFORMATION ON SIGNAGE.
3. LOCATE, AIM, AND FOCUS LUMINAIRES TO HIGHLIGHT LETTER SIGNAGE AND PLACARDS.
4. FLUSH WITH GRADE BOX WITH SPARE CONDUITS FROM ELECTRICAL PANELS IN BUILDING TO BE UTILIZED FOR FUTURE PARK BUILD-OUT. REFER TO SITE ELECTRICAL PLAN FOR MORE INFORMATION ON SIZING AND LOCATION(S).



1 COMMUNITY HUB BUILDING POWER PLAN - ALTERNATE NO. 01
1/8" = 1'-0"

2 COMMUNITY HUB BUILDING LIGHTING PLAN - ALTERNATE NO. 1
1/8" = 1'-0"

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NORTH - PHASE 1
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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

Δ	DATE	DESCRIPTION

Project Number:	223072.00
Sheet Issue Date:	2024-11-22
Drawn By:	HFR
Checked By:	AEI

Key Map

Drawing

COMMUNITY HUB ELECTRICAL PLANS - ALTERNATE NO. 01

E-111A

SITE PLAN SUBMITTAL
Page 295 of 311

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11/20/2024 2:28:08 PM

Salisbury Park - Headquarters Restroom Building - Equipment Electrical Connection Schedule

	Description	Electrical Load	Volt	Ph	AIC	Feeder Conductors & Conduit All Conductors shall be Copper	Protection	Notes
EF-1A	Exhaust Fan - Mens RR	66 W	120	1	NA	Panel PHQRR-27, Share with Lts Feeder (2#12+1#12G) 1/2"C	Thermal Overload Safety Disc @ Unit 15A1P / 2A Fuse	1,3
EF-1B	Exhaust Fan - Womens RR	66 W	120	1	NA	Panel PHQRR-27, Share with Lts Feeder (2#12+1#12G) 1/2"C	Thermal Overload Safety Disc @ Unit 15A1P / 2A Fuse	1,3
EF-1C	Exhaust Fan - Chase	66 W	120	1	NA	Panel PHQRR-27, Share with Lts Feeder (2#12+1#12G) 1/2"C	Thermal Overload Safety Disc @ Unit 15A1P / 2A Fuse	3,7
EF-2	Exhaust Fan - Family RR	96 W	120	1	NA	Panel PHQRR-27, Share with Lts Feeder (2#12+1#12G) 1/2"C	Thermal Overload Safety Disc @ Unit 15A1P / 2A Fuse	1,3
EF-4A	Exhaust Fan - Electrical Rm	66 W	120	1	NA	Panel PHQRR-2, Brkr (20A1P) Feeder (2#12+1#12G) 1/2"C	Thermal Overload Safety Disc @ Unit 15A1P / 2A Fuse	3,7
EF-4B	Exhaust Fan - Storage Rm	66 W	120	1	NA	Panel HPHQRR-2 Share with EF-4A Feeder (2#12+1#12G) 1/2"C	Thermal Overload Safety Disc @ Unit 15A1P / 2A Fuse	3,7
ECUH-1A	Electric Cabinet Unit Heater - Mens	5kW 24 MCA	208	1	NA	Panel PHQRR-12,14 Brkr (30A2P) Feeder (2#10+1#10G) 1/2"C	Heavy Duty Safety Disc @ Unit 30A2P / 30FRN-R	2
ECUH-1B	Electric Cabinet Unit Heater - Womens	5kW 24 MCA	208	1	NA	Panel PHQRR-8,10 Brkr (30A2P) Feeder (2#10+1#10G) 1/2"C	Heavy Duty Safety Disc @ Unit 30A2P / 30FRN-R	2
ECUH-1C	Electric Cabinet Unit Heater - Storage	5kW 24 MCA	208	1	NA	Panel PHQRR-22,24 Brkr (30A2P) Feeder (2#10+1#10G) 1/2"C	Heavy Duty Safety Disc @ Unit 30A2P / 30FRN-R	2
ECUH-2A	Electric Cabinet Unit Heater - Family	2kW 10 MCA	208	1	NA	Panel PHQRR-16,18 Brkr (20A2P) Feeder (2#12+1#12G) 1/2"C	Heavy Duty Safety Disc @ Unit 30A2P / 15FRN-R	2
ECUH-2B	Electric Cabinet Unit Heater - Office	2kW 10 MCA	208	1	NA	Panel PHQRR-4,6 Brkr (20A2P) Feeder (2#12+1#12G) 1/2"C	Heavy Duty Safety Disc @ Unit 30A2P / 15FRN-R	2
EUH-1A	Electric Unit Heater - Chase	5.0 kW 24 MCA	208	1	NA	Panel PHQRR-36,38 Brkr (30A2P) Feeder (2#10+1#10G) 1/2"C	Heavy Duty Safety Disc @ Unit 30A2P / 30FRN-R	2
EUH-1B	Electric Unit Heater - Electrical Rm	5.0 kW 24 MCA	208	1	NA	Panel PHQRR-3,5 Brkr (30A2P) Feeder (2#10+1#10G) 1/2"C	Heavy Duty Safety Disc @ Unit 30A2P / 30FRN-R	2
AC-3	Ductless Split AC Fan Coil Unit - IT Rm	0.5 MCA	208	1	NA	Panel PHQRR-11,13 Brkr (15A2P) Feeder (2#12+1#12G) 1/2"C	Thermal Overload Safety Disc @ Unit 15A2P / 2A Fuse	3,4,5
AC-4	Ductless Split AC Fan Coil Unit - Office	1.6 MCA	208	1	NA	Panel PHQRR-11,13 Share with AC-3 Feeder (2#12+1#12G) 1/2"C	Thermal Overload Safety Disc @ Unit 15A2P / 4A Fuse	3,4,5
CU-2	Ductless Split AC Condensing Unit	25.0 MCA 40.0 MOCP	208	1	NA	Panel PHQRR-15,17 Brkr (40A2P) Feeder (2#8+1#10G) 3/4"C	Heavy Duty Safety Disc @ Unit 60A2P / 40FRS-R	2
EWH-1	Electric Water Heater	6.0 kW 12.5 A	480	3	NA	Panel PBBF-74,76,78 Brkr (20A3P) Feeder (3#12+1#12G) 1/2"C	Heavy Duty Safety Disc @ Unit 30A2P / 15FRN-R	2
CP-1	Circulation Pump	70W 1A	120	1	NA	Panel PHQRR-1 (20A1P) Feeder (2#12+1#12G) 1/2"C	Thermal Overload Safety Disc @ Unit 20A1P / 5A Fuse	3
OHD	Overhead Door	3/4 HP 13.8 FLA	120	1	NA	Panel PHQRR-31 Brkr (20A1P) Feeder (2#12+1#12G) 1/2"C	Thermal Overload Safety Disc @ Unit 20A1P / 20A Fuse	3,6
HD	Hand Dryer	1620 W	120	1	NA	Panel PHQRR-Ckts on Plans (20A1P) Feeder (2#12+1#12G) 1/2"C		

Notes (All notes may not be used in the schedule aboved):

1	Control with lighting controller in room (occupancy sensor on with lights in each room) <
2	Provide a new NEMA-3R Heavy Duty Safety Disconnect at the unit and provide a new power feeder from the indicated Electrical Panel to the equipment as indicated <
3	Provide a new Thermal Overload Safety Disconnect at the unit and provide a new power feeder from the indicated Electrical Panel to the new equipment as indicated <
4	Unit power and control provided from associated Condensing Unit (CU) by Div 26, verify exact wiring requirements with equipment manufacturer, supplier, and installer <
5	Unit furnished with Condensate Pump, Provide NEMA 5-20R Recept for Condensate Pump Power Connection - Share branch Circuit with nearest convenience receptacle <
6	Overhead Door Operator furnished and installed by Div 11 Contractor, Power and line voltage control Wiring by Div 16 Contractor (EC). Install 3-button controller, Open / Close / Stop. <
7	Provide connection to line voltage switch or variable speed control switch, refer to Mechanical Plans and coordinate with Div 23 Contractor for Switch location. Standard Toggle Switch furnished by Div 26 / Variable Speed Switch furnished by Div 23 / all line voltage wiring and terminations by Div 26 <
8	Provide conduit to for low voltage thermostat, refer to Mechanical Plans and coordinate with Div 23 Contractor for thermostat location. T-Stat by Div 23 <

COORDINATE EXACT REQUIREMENTS FOR ALL ELECTRICAL WORK, ASSOCIATED WITH THE MECHANICAL EQUIPMENT MODIFICATIONS, WITH THE MECHANICAL CONTRACTOR, MANUFACTURERS' NAMEPLATES AND LITERATURE PRIOR TO ROUGH-IN. REFER TO THE MECHANICAL PLANS (HVAC & PLUMBING) FOR ALL EQUIPMENT LOCATIONS

Name: **PHQRR - Headquarters**
Volt: **208/120**
Ph: **3**
Wire: **4**

Mnt Method: **Surface**
Bus Rating: **400**
Main Breaker: **350**
AIC Rating: **10,000**

	Code	Description	Load VA	Bkr	P	Ph A	Ph B	Ph C	P	Bkr	Load VA	Description	Code	
1	6	Circ Pump	200	20	1	*			1	20	132	EF-4A & 4B	3	2
3	4	EUH-1B Elec Rm	5000	40	2		*		2	20	2000	ECUH-2B Office	4	4
5		-----		/				*		/		-----		6
7	2	Rec IT	720	20	1	*			2	30	4800	ECUH-1B Women	4	8
9	2	Rec IT	540	20	1		*			/		-----		10
11	3	AC-3, AC-4	436.8	15	2			*	2	30	4800	ECUH-1A Men	4	12
13		-----		/		*				/		-----		14
15	6	CU-2	5200	40	2		*		2	20	2000	ECUH-2A Family	4	16
17		-----		/				*		/		-----		18
19	2	Rec-Stor, Elec,Chase	900	20	1	*			1	20		Spare		20
21	2	Rec-Exterior	540	20	1		*		2	30	4800	ECUH-1C Storage	4	22
23	2	Rec-Office	900	20	1			*		/		-----		24
25	2	Rec-Office	720	20	1	*			1	20		SPARE		26
27	1	Ltg - Bldg Int, RR EFs	1053	20	1		*		1	20		SPARE		28
29	1	Ltg - Bldg Exterior	400	20	1			*	3	60	15000	Concessions Equip	5	30
31	6	Overhead Door	1656	20	1	*				/		-----		32
33	6	Food Truck FT1	7000	50	2		*			/		-----		34
35				/				*	2	40	5000	EUH-1A Chase	4	36
37	6	Food Truck FT2	7000	50	2	*				/		-----		38
39				/				*	1	20	1620	Hand Dryer-Womens	6	40
41	2	Rec BB Field 1 Backstp	540	20	1			*	1	20	1620	Hand Dryer-Womens	6	42
43	2	Rec BB Field 2 Backstp	540	20	1	*			1	20	1620	Hand Dryer-Mens	6	44
45	2	Rec BB Field 3 Backstp	540	20	1		*		1	20	1620	Hand Dryer-Mens	6	46
47	2	Rec BB Field 4 Backstp	540	20	1			*	1	20	1620	Hand Dryer-Family	6	48
49	2	Rec Pedestrian Lts	800	20	1	*			1	20		SPARE		50
51	2	Rec Pedestrian Lts	800	20	1		*		1	20		SPARE		52
53	2	Rec Pedestrian Lts	800	20	1			*	1	20		SPARE		54
55	2	Rec Pedestrian Lts	800	20	1	*				-		Space Only		56
57		SPARE		20	1		*			-		Space Only		58
59		SPARE		-				*		-		Space Only		60
61		SPARE		-		*				-		Space Only		62
63		SPARE		-			*			-		Space Only		64
65		SPARE		-				*		-		Space Only		66
67		Space Only		-		*				-		Space Only		68
69		Space Only		-			*			-		Space Only		70
71		Space Only		-				*		-		Space Only		72
73		Space Only		-		*				-		Space Only		74
75		Space Only		-			*			-		Space Only		76
77		Space Only		-				*		-		Space Only		78
79	7	Pedestal PS1	5450	60	3	*				-		Space Only		80
81		-----		/			*			-		Space Only		82
83		-----		/				*		-		Space Only		84

Code	Description	Load VA	Dem
1	Lighting	**1453**	125%
2	Rec up to 10,000	**9680**	100%
	Rec over 10,000		50%
3	Motor	**132**	100%
	Largest Motor	**437**	125%
4	Heater	**28400**	100%
5	Kitchen	**15000**	100%
6	Miscellaneous	**29156**	100%
7	Sub Panel	**5450**	100%

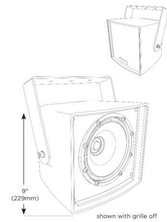
Load Summary

Per Phase
Ph A **25923** VA
Ph B **32430** VA
Ph C **31355** VA

Connected **89707.8** VA
Code Demand **90180** VA

Code Demand **250.61** Amps

COMMUNITY R Series
R.15COAX



Speaker PA (Typical)
N.T.S.

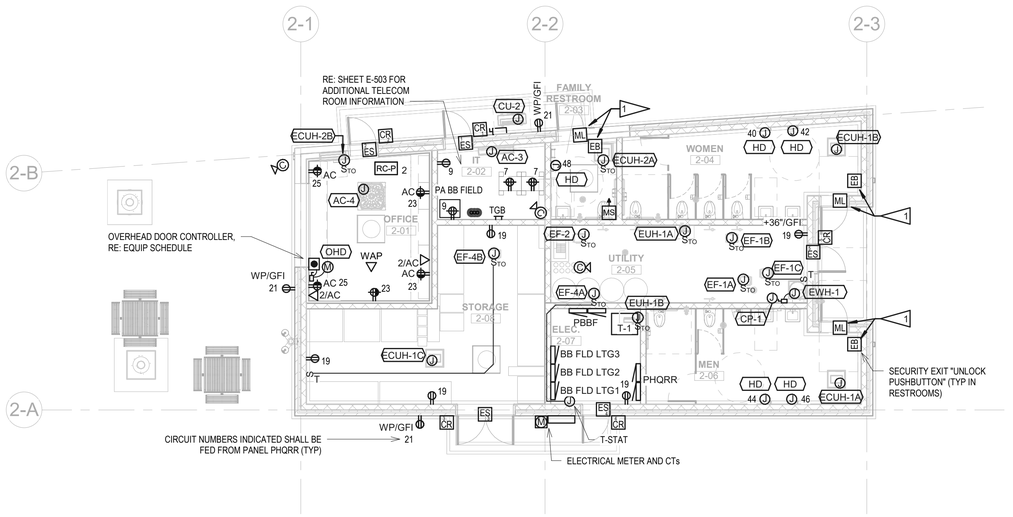
ELECTRICAL NOTES

REFER TO E-000 FOR ELECTRICAL GENERAL NOTES, LIGHTING GENERAL NOTES, LIGHTING CONTROL GENERAL NOTES, AND LIGHTING CONTROL NOTES.

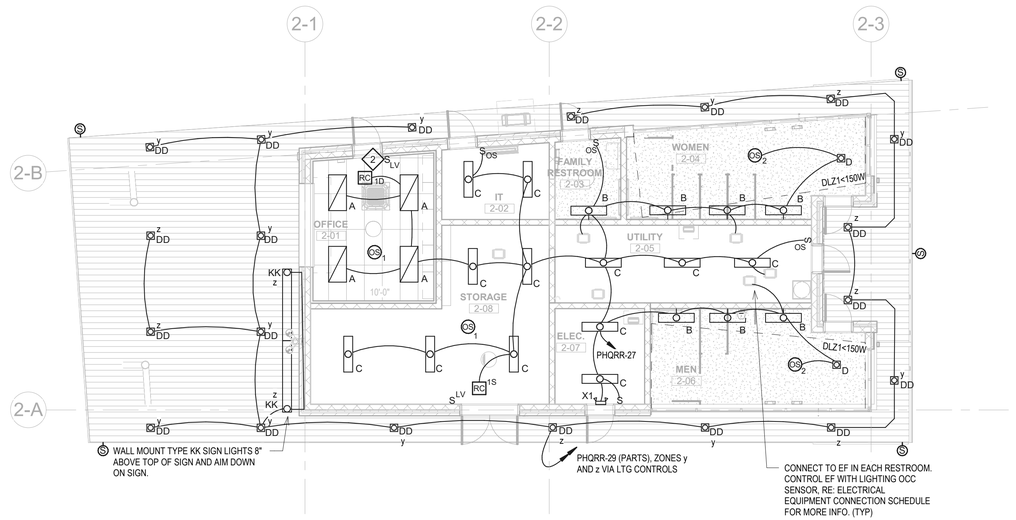
FLAG NOTES

NOT ALL FLAG NOTES MAY BE USED ON EACH SHEET.

1. PROVIDE DOOR LOCKS INTEGRATED WITH PARK SECURITY SYSTEM. RESTROOM DOORS SHALL BE CONTROLLED VIA PROGRAMMABLE TIME OF DAY LOCK/UNLOCK SECURITRON DT-7 DIGITAL TIMER. THE UTILITY, STORAGE, I.T., ELECTRICAL, (AND OFFICE) ROOM DOORS SHALL BE CONTROLLED VIA ADJACENT CARD READER/KEYPAD. REFER TO DRAWING SHEET E-000 FOR MORE INFORMATION REGARDING SECURITY SYSTEM REQUIREMENTS.
2. PROVIDE POWER TO BACKLIT SIGNAGE SPECIFIED BY ARCHITECT. COORDINATE WITH SIGN MANUFACTURER ON POWER CONNECTION LOCATIONS AND QUANTITIES. REFER TO ARCHITECTURAL PLANS FOR ELEVATIONS AND FOR MORE INFORMATION ON SIGNAGE.
3. LOCATE, AIM, AND FOCUS LUMINAIRES TO HIGHLIGHT LETTER SIGNAGE AND PLACARDS.
4. FLUSH WITH GRADE BOX WITH SPARE CONDUITS FROM ELECTRICAL PANELS IN BUILDING TO BE UTILIZED FOR FUTURE PARK BUILD-OUT. REFER TO SITE ELECTRICAL PLAN FOR MORE INFORMATION ON SIZING AND LOCATION(S).



1 HEADQUARTERS & RESTROOM BUILDING POWER PLAN
1/8" = 1'-0"



2 HEADQUARTERS & RESTROOM BUILDING LIGHTING PLAN
E-111B 1/8" = 1'-0"

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Town of Parker
SALISBURY PARK
NORTH - PHASE 1
11700 MOTSENBOCKER RD
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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

Δ	DATE	DESCRIPTION

Project Number:	223072.00
Sheet Issue Date:	2024-11-22
Drawn By:	HFR
Checked By:	AEI

Key Map

Drawing

HEADQUARTERS AND RESTROOM ELECTRICAL PLANS

E-111B

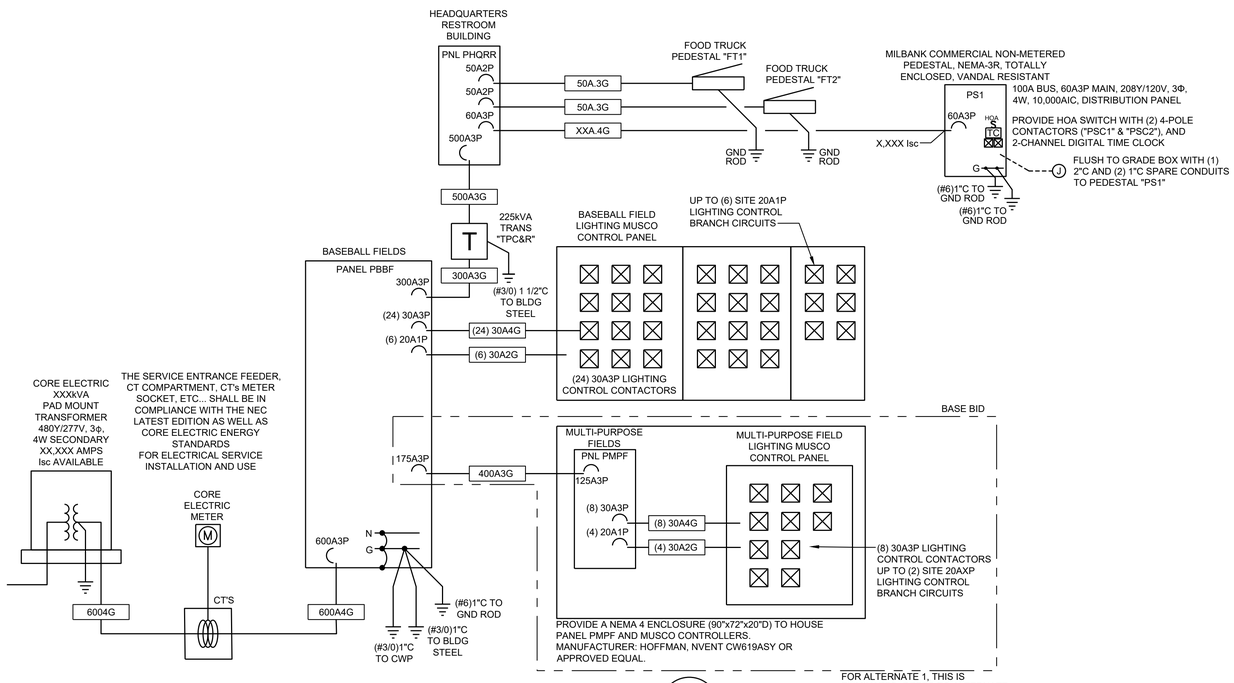
SITE PLAN SUBMITTAL

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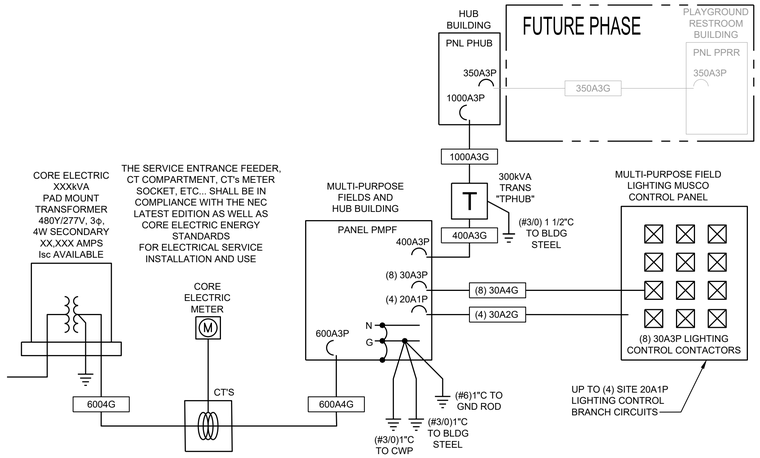
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BALLFIELD ELECTRICAL ONE-LINE DIAGRAM

1 / E-500

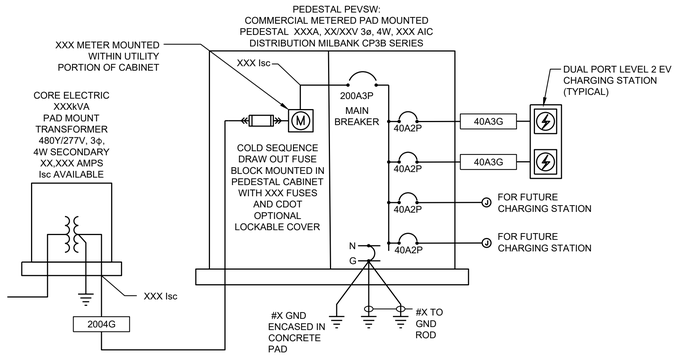
SCALE: NTS



ALTERNATE 1: HUB BUILDING ELECTRICAL ONE-LINE DIAGRAM

2 / E-500

SCALE: NTS

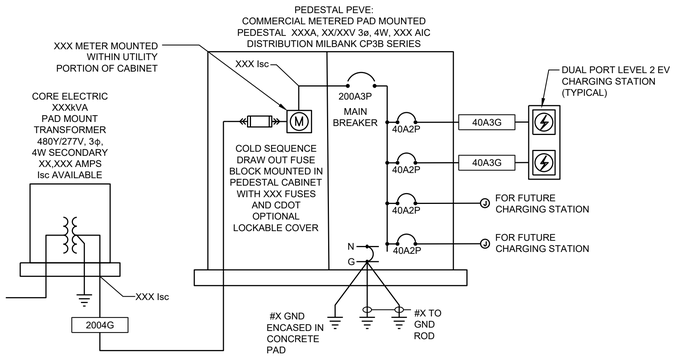


MULTI-PURPOSE EV ELECTRICAL ONE-LINE DIAGRAM

3 / E-500

SCALE: NTS

SITE SOUTHWEST



BALLFIELD EV ELECTRICAL ONE-LINE DIAGRAM

4 / E-500

SCALE: NTS

SITE EAST

FEEDER SCHEDULE

ALL WIRE SHALL BE COPPER UNLESS NOTED OTHERWISE

Feeder Key	# of Runs	Wire Size	Ground	Conduit	Notes
20A.3G	1 Set	3#12	+1#12G	3/4"C	1
20A.4G	1 Set	4#12	+1#12G	3/4"C	1
30A.3G	1 Set	3#10	+1#10G	3/4"C	1
30A.4G	1 Set	4#10	+1#10G	3/4"C	1
40A.3G	1 Set	3#8	+1#8G	3/4"C	1
40A.4G	1 Set	4#8	+1#8G	3/4"C	1
50A.3G	1 Set	3#6	+1#8G	1"C	
50A.4G	1 Set	4#6	+1#8G	1"C	
60A.3G	1 Set	3#4	+1#8G	1 1/4"C	
60A.4G	1 Set	4#4	+1#8G	1 1/4"C	
70A.3G	1 Set	3#4	+1#8G	1 1/4"C	
70A.4G	1 Set	4#4	+1#8G	1 1/4"C	
80A.3G	1 Set	3#3	+1#8G	1 1/4"C	
80A.4G	1 Set	4#3	+1#8G	1 1/4"C	
100A.3G	1 Set	3#1	+1#8G	1 1/2"C	
100A.4G	1 Set	4#1	+1#8G	1 1/2"C	
125A.3G	1 Set	3#1	+1#6G	1 1/2"C	
125A.4G	1 Set	4#1	+1#6G	1 1/2"C	
150A.3G	1 Set	3#1/0	+1#6G	2"C	
150A.4G	1 Set	4#1/0	+1#6G	2"C	
175A.3G	1 Set	3#2/0	+1#6G	2"C	
175A.4G	1 Set	4#2/0	+1#6G	2"C	
200A.3G	1 Set	3#3/0	+1#6G	2 1/2"C	
200A.4G	1 Set	4#3/0	+1#6G	2 1/2"C	
225A.3G	1 Set	3#4/0	+1#4G	2 1/2"C	
225A.4G	1 Set	4#4/0	+1#4G	2 1/2"C	
250A.3G	1 Set	3-250kcmil	+1#4G	2 1/2"C	
250A.4G	1 Set	4-250kcmil	+1#4G	2 1/2"C	
300A.3G	1 Set	3-350kcmil	+1#4G	3"C	
300A.4G	1 Set	4-350kcmil	+1#4G	3"C	
350A.3G	1 Set	3-500kcmil	+1#3G	3 1/2"C	
350A.4G	1 Set	4-500kcmil	+1#3G	3 1/2"C	
400A.3G	2 Sets	3#3/0	+1#3G	2 1/2"C	
400A.4G	2 Sets	4#3/0	+1#3G	2 1/2"C	
500A.3G	2 Sets	3-250kcmil	+1#2G	2 1/2"C	
500A.4G	2 Sets	4-250kcmil	+1#2G	2 1/2"C	
600A.3G	2 Sets	3-350kcmil	+1#1G	3"C	
600A.4G	2 Sets	4-350kcmil	+1#1G	3"C	
800A.3G	3 Sets	3-300kcmil	+1#1/0G	3"C	
800A.4G	3 Sets	4-300kcmil	+1#1/0G	3"C	
1000A.4G	4 Sets	4-250kcmil	+1#2/0G	2 1/2"C	
1200A.4G	4 Sets	4-350kcmil	+1#3/0G	3"C	

Refer to Electrical Equipment Connection Schedule for Mechanical and Bldg Equipment Feeder Ratings <

NOTES:

1 Minimum 1" Conduit for all underground installations

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PARKER, CO 80134

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ARCHITECTURE

LANDSCAPE ARCHITECTURE

PLANNING

INTERIOR DESIGN

	DATE	DESCRIPTION

Project Number: 223072.00

Sheet Issue Date: 2024-11-22

Drawn By: AEI

Checked By: HFR

Key Map

Drawing

ELECTRICAL ONE-LINE DIAGRAMS

E-500

SITE PLAN SUBMITTAL

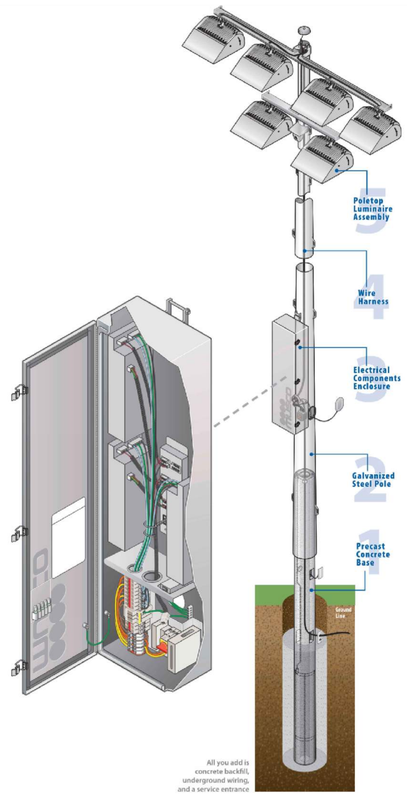
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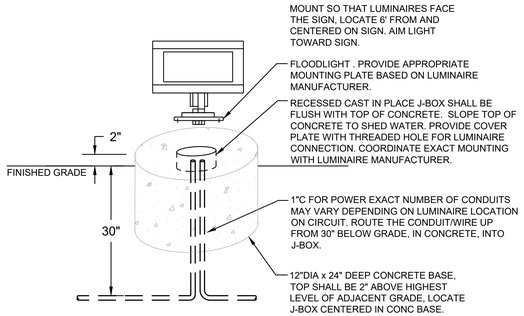
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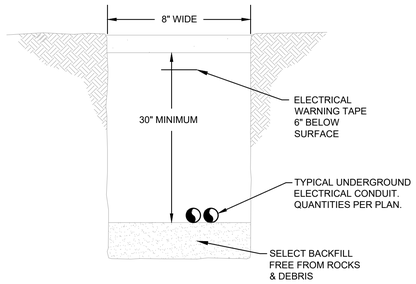




SIGN LIGHT MOUNTING DETAIL

SCALE: N/A

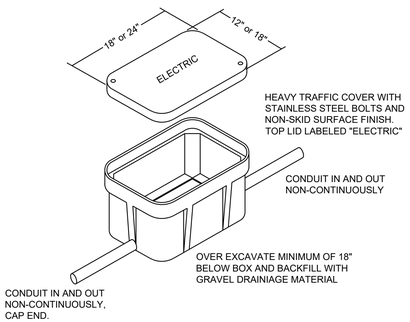
4 / E-501



TYPICAL CONDUIT TRENCH DETAIL

SCALE: NTS

1 / E-501

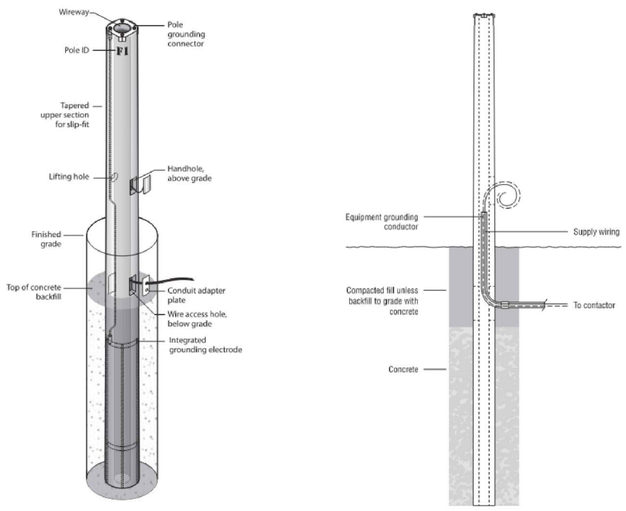


TYPICAL FLUSH WITH GRADE PULL BOX DETAIL

SCALE: NTS

TYPICAL POWER FEEDER PULLBOX (18"x24"x36"DEEP) QUAZITE PG STYLE SERVICE BOX WITH HEAVY DUTY BOLT ON COVER AS MANUFACTURED BY STRONGWELL. STACK MULTIPLE BOXES TO ACHIEVE THE OVERALL INDICATED DEPTH.

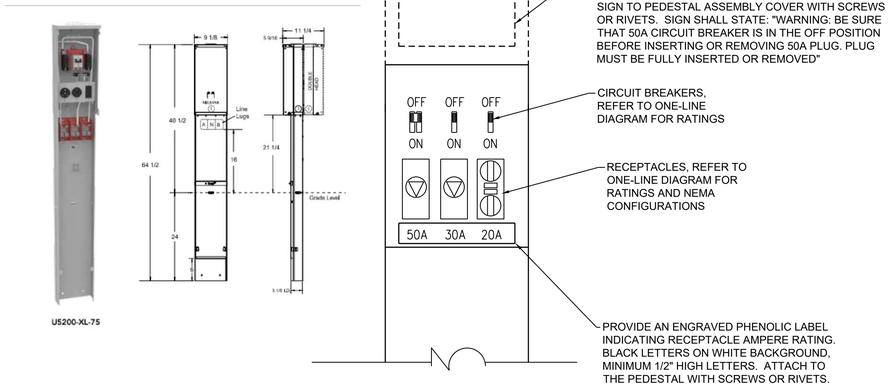
2 / E-501



MUSCO POLE INSTALLATION INFORMATION

SCALE: NONE

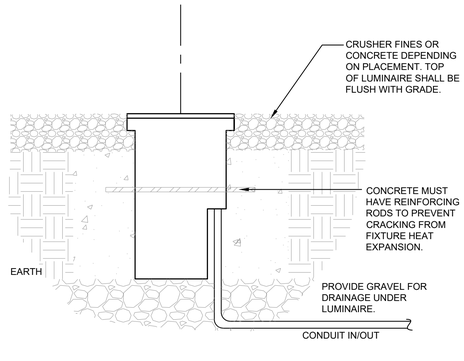
6 / E-501



TYPICAL FOOD TRUCK POWER PEDESTAL CONFIGURATION DETAIL

SCALE: NTS

5 / E-201



FLAG POLE UPLIGHT MOUNTING DETAIL

SCALE: NONE

3 / E-501

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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

	DATE	DESCRIPTION

Project Number:	223072.00
Sheet Issue Date:	2024-11-22
Drawn By:	AEI
Checked By:	HFR

Key Map

Drawing

ELECTRICAL DETAILS

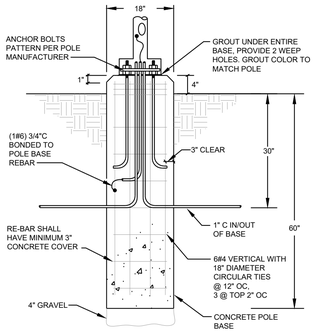
E-501

SITE PLAN SUBMITTAL
Page 298 of 311

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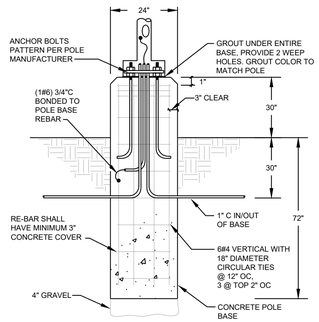
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PEDESTRIAN LIGHT POLE BASE

SCALE: NONE

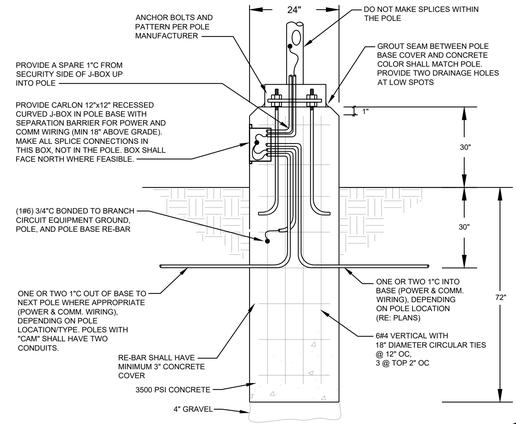
7 / E-502



PARKING LOT POLE BASE DETAIL - NO JBOX

SCALE: NONE

4 / E-502

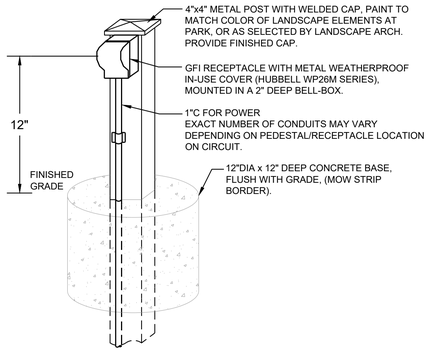


PARKING LOT POLE BASE DETAIL - CARLON JBOX

SCALE: NONE

FOR LUMINAIRE POLE BASES WHERE CAMERAS ARE TO BE MOUNTED ON LIGHT POLES.

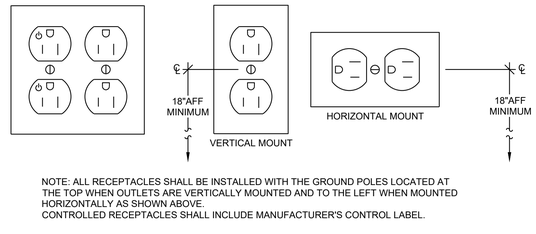
1 / E-502



POST MOUNT RECEPTACLE DETAIL

SCALE: NONE

8 / E-502

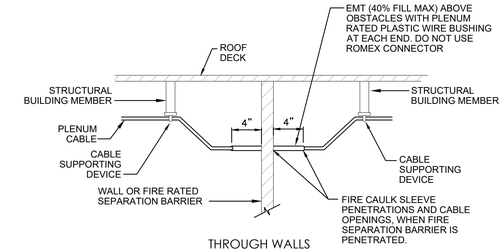


NOTE: ALL RECEPTACLES SHALL BE INSTALLED WITH THE GROUND POLES LOCATED AT THE TOP WHEN OUTLETS ARE VERTICALLY MOUNTED AND TO THE LEFT WHEN MOUNTED HORIZONTALLY AS SHOWN ABOVE.
CONTROLLED RECEPTACLES SHALL INCLUDE MANUFACTURER'S CONTROL LABEL.

RECEPTACLE INSTALLATION DETAIL

SCALE: NONE

5 / E-502

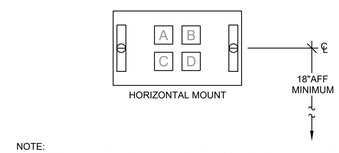


THROUGH WALLS

PLENUM RATED CABLE INSTALLATION DETAIL

SCALE: NONE

2 / E-502

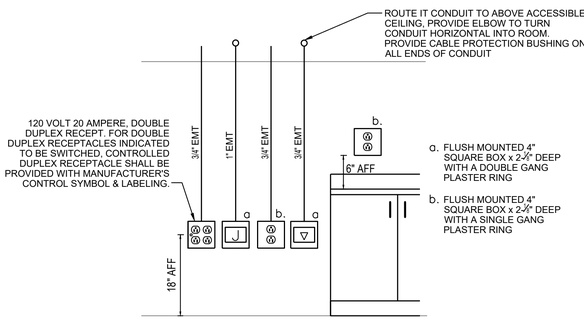


NOTE:
BACK BOXES FOR TELE-DATA FACEPLATE LOCATIONS SHALL BE INSTALLED IN HORIZONTAL ORIENTATION.

TYPICAL I.T. FACEPLATE INSTALLATION DETAIL (TOWN OF PARKER I.T. DESIGN STANDARD)

SCALE: NONE

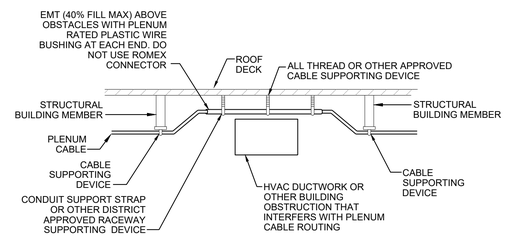
9 / E-502



TYPICAL DEVICE ROUGH-IN INSTALLATION DETAIL

SCALE: NONE

6 / E-502



OVER OBSTACLES

PLENUM PLENUM RATED CABLE INSTALLATION DETAIL

SCALE: NONE

3 / E-502

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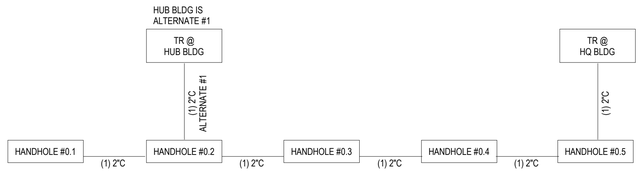
SITE PLAN SUBMITTAL
Page 299 of 311

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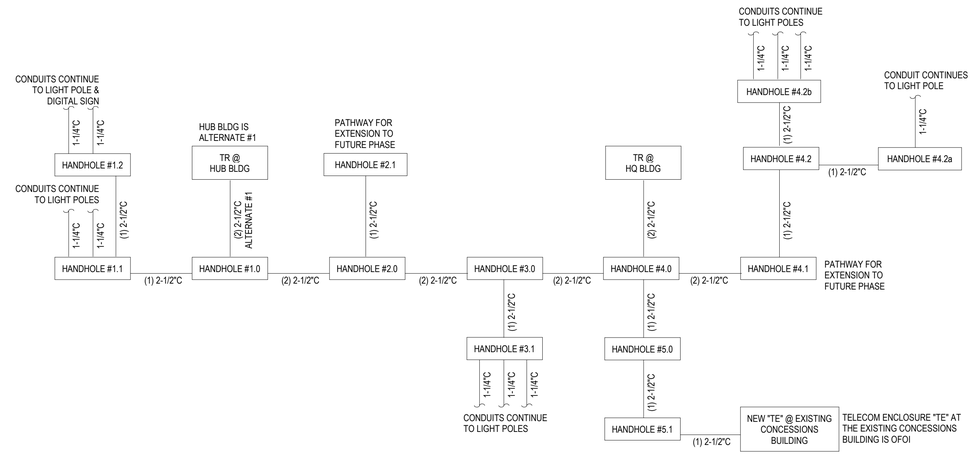
CALL 811 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR MARKING OF UNDERGROUND MEMBER UTILITIES

THE LINE SHOWN ABOVE IS 1" WHEN PRINTED ON ANSI D SIZED SHEETS ORIGINAL PAGE SIZE

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1 OSP PATHWAY DIAGRAM - COMCAST UC SERVICE ENTRANCE
N.T.S.



2 OSP PATHWAY DIAGRAM - TOP UC PATHWAYS PHASE 1
N.T.S.

Backbone Cable Distribution Schedule

Location A	Location B	Service Entrance Cable	MM Fiber OM4	Notes
HANDHOLE 0.1	TR @ HQ BLDG (MDF)	Service Entrance Cables by COMCAST		1,2
TR @ HQ BLDG (MDF)	TR @ HUB Building		12-strand, rated for installation in underground duct	3
TR @ HQ BLDG (MDF)	TE @ Existing Concession Bldg		12-strand, rated for installation in underground duct	3
TR @ HQ BLDG (MDF)	TR @ Sport Courts Building (FUTURE-PHASE 2)		12-strand, rated for installation in underground duct	3
TR @ HQ BLDG (MDF)	TR @ Playground Building (FUTURE-PHASE 4)		12-strand, rated for installation in underground duct	3

Notes:
• Refer to Town of Parker Information Technology Department Infrastructure Design Standards for addition information.

1. Comcast to provide service entrance cables using Town of Parker (TOP) provided underground OSP pathways.<
2. TOP to provide 2"C and handholes for use by Comcast . <
3. Multimode OM4 fiber shall be terminated with LC type connectors at both locations. <

Telecom Handhole Schedule

HANDHOLE I.D.	BASIS OF DESIGN	DESCRIPTION	NOTES
COMCAST #0.1 #0.2 #0.3 #0.4 #0.5	QUAZITE PG STYLE	POLYMER CONCRETE ASSEMBLY, 24" X 36" X 24" DEEP, TIER 22 RATED BOX: PG2436BA24, TIER 22 RATED COVER WITH BOLTS: PG2436HH00**	1
COMMUNICATIONS #1.0 #4.0	QUAZITE PG STYLE	POLYMER CONCRETE ASSEMBLY, 24" X 36" X 24" DEEP, TIER 22 RATED BOX: PG2436BA24, TIER 15 RATED SPLIT COVER: PG2436HS0012	2
COMMUNICATIONS #1.1 #2.0 #3.0 #4.1	QUAZITE PG STYLE	POLYMER CONCRETE ASSEMBLY, 17" X 30" X 24" DEEP, TIER 22 RATED. BOX: PG1730BA24, COVER: PG1730HH0012	2
COMMUNICATIONS #1.2 #2.1 #3.1 #4.2 #4.2a #4.2b #5.0 #5.1	QUAZITE PG STYLE	POLYMER CONCRETE ASSEMBLY, 13" X 24" X 24" DEEP, TIER 22 RATED. BOX: PG1324BA24, COVER: PG1324HH0012	2

Notes:
• Refer to Town of Parker Information Technology Department Infrastructure Design Standards for addition information. <
• Communications conduits shall turn up into bottom of handhole(s) with conduit openings located 6" above grade located at bottom of box at box interior. <
• Underground Communication (UC) conduits that are routed below concrete slab(s) into telecom room(s) shall be PVC coated GRC. <
• Install 400# rated pull lines in all OSP Communications and Security conduits. Pull lines shall have factory applied length markings. <
• Provide COPPER TRACER WIRE for all underground Comcast and Communications pathways. <
1. The polymer concrete handhole covers for the Telco UC Service Entrance pathway shall be factory labeled "COMCAST" **<
2. The polymer concrete handhole covers for the T.O.P. UC telecommunications pathways shall be factory labeled "COMMUNICATIONS" <

TELECOM ROOM GENERAL NOTES

• WALLS SHALL BE COVERED WITH 3/4" THICK, 4' WIDE x 8' HIGH AC-GRADE PLYWOOD BACKBOARDS ON ALL WALLS, UNLESS NOTED OTHERWISE. PLYWOOD SHALL BE MOUNTED WITH A-SIDE OUT. BACKBOARDS SHALL NOT BE PAINTED.

• 12" WIDE X 4" TALL BASKET STYLE CABLE TRAY SHALL BE INSTALLED ALONG ROOM PERIMETER WALLS AND ABOVE THE LINEUP OF EQUIPMENT RACK(S). CABLE TRAY SHALL BE LOCATED 6" ABOVE TOP OF RACKS, TYPICAL.

• PROVIDE RADIUS DROPOUT DEVICES TO ROUTE CABLING INTO EQUIPMENT RACK VERTICAL WIRE MANAGERS.

• POWER RECEPTACLE OUTLETS FOR EQUIPMENT RACKS SHALL BE MOUNTED TO THE OUTSIDE OF THE CABLE TRAY, OR ON A UNISTRUT FRAME ABOVE THE RACKS, SITUATED SO AS NOT TO INTERFERE WITH CABLE TRAY OR ROUTING OF CABLING.

• CONTRACTOR SHALL INSTALL TELECOMMUNICATIONS GROUNDING BUSBARS IN EACH TELECOM ROOM, WITH BONDING CONDUCTORS TO SERVING ELECTRICAL PANEL AND BUILDING STEEL. RE: TIA-607-D.

• PROVIDE AT LEAST ONE 208V/30A CIRCUIT FOR TR EQUIPMENT RACKS.

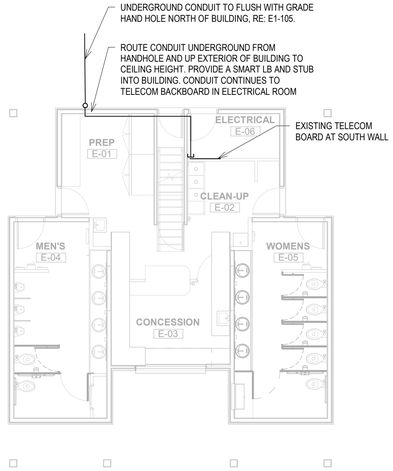
• PROVIDE AT LEAST ON SECURITY CAMERA IN EACH TR.

• TOWN OF PARKER STANDARD IS SUPERIOR ESSEX CATEGORY 6 UTP CABLING, TERMINATED IN ORTRONICS CLARITY-6 PATCH PANELS.

• PROVIDE ORTRONICS MIGHTY-MO 2-POST RACKS WITH 6.4 INCH CHANNEL DEPTH, AND 6" VERTICAL WIRE MANAGERS INSTALLED ON BOTH SIDES OF RACK.

• ALL FACEPLATES FOR TELECOMMUNICATIONS SHALL BE MOUNTED HORIZONTALLY AND TRIMMED WITH 4-PORT FACEPLATES.

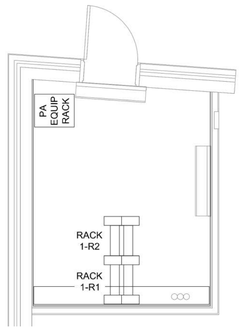
• REFER TO DOCUMENT "TOWN OF PARKER INFORMATION TECHNOLOGY DEPARTMENT INFRASTRUCTURE DESIGN STANDARDS" FOR ADDITIONAL INFORMATION.



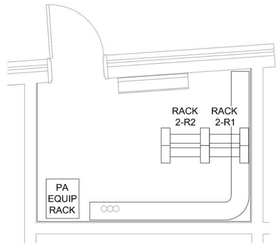
5 EXISTING CONCESSIONS BUILDING ELECTRICAL PLAN
1/8" = 1'-0"



EXISTING TELECOM BOARD IN EXISTING CONCESSIONS BLDG



4 TR103 @ HUB BUILDING (ALT. 1)
1/4" = 1'-0"



3 TR202 @ HQ BUILDING (MDF)
1" = 4'-0"

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TELECOMMUNICATION SPACES & CONNECTIVITY

E-503

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COMMUNITY

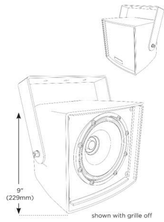
W2-218



Speaker Special Events (Typical)
N.T.S.

COMMUNITY R Series

R.15COAX



Speaker PA (Typical)
N.T.S.

SOUND SYSTEM EQUIPMENT SCHEDULE - COMMUNITY HUB BUILDING

DEVICE	MANUFACTURER	MODEL NO.	NOTES
FLOOR STANDING EQUIPMENT RACK, WITH: • LOCKING FRONT AND REAR DOORS, VENTED • LOCKING REMOVABLE SIDE PANELS • TOP PANEL W/(4) 4.5" COOLING FANS • CASTER BASE	MIDDLE ATLANTIC	MRK-2426, WITH VENTED FRONT DOOR LVFD-24, VENTED REAR DOOR MW-VLRD-24, SIDE PANELS SPN-24-267, TOP PANEL MW-4FT, CASTER BASE CBS-MRK-26	
3 RU UTILITY DRAWER	MIDDLE ATLANTIC	UD3	
3 RU RACK MOUNT VENTED SHELF	MIDDLE ATLANTIC	U3V	
BLUETOOTH RECEIVER, RACK MOUNT	DENON	DN-300BR	
WIRELESS MIC SYSTEM - WITH HANDHELD MICROPHONE	SHURE	SLXD24 / SM58, WITH SBC203 CHARGER, SB900A RECHARGABLE BATTERIES	
WIRELESS REMOTE RECEIVE ANTENNA	RF VENUE	DFINB	
DIGITAL SIGNAL PROCESSOR, DANTE	BIAMP	TESIRAFORTE DAN AI	
4-CHANNEL AMPLIFIER, DANTE	COMMUNITY	ALC-1604D	
ROOM CONNECTION DEVICE WITH DANTE	BIAMP	TESIRAFORTE TC-5D	
LOUDSPEAKER - 70V	COMMUNITY	R.15COAX	QUAN (7)
LOUDSPEAKER - 70V	COMMUNITY	W2-218	QUAN (3)
POWER SEQUENCER, 120V/20A	FURMAN	CN-2400S, WITH RS-1 REMOTE SWITCH	
16/2 AWG LOUDSPEAKER WIRE	ANY SUITABLE MANUFACTURER		
22 AWG SHIELDED SIGNAL CABLE	PRO CO, OR EQUIVALENT		
WIRELESS CONTROL: CONTROL SOFTWARE	BIAMP	BIAMP CANVAS	
WIRELESS CONTROL: WAP	LINKSYS	LAPAC1300C	
WIRELESS CONTROL: TABLET	SAMSUNG 10.4"		

SOUND SYSTEM EQUIPMENT SCHEDULE - HEADQUARTERS BUILDING

DEVICE	MANUFACTURER	MODEL NO.	NOTES
FLOOR STANDING EQUIPMENT RACK, WITH: • LOCKING FRONT AND REAR DOORS, VENTED • LOCKING REMOVABLE SIDE PANELS • TOP PANEL W/(4) 4.5" COOLING FANS • CASTER BASE	MIDDLE ATLANTIC	MRK-2426, WITH VENTED FRONT DOOR LVFD-24, VENTED REAR DOOR MW-VLRD-24, SIDE PANELS SPN-24-267, TOP PANEL MW-4FT, CASTER BASE CBS-MRK-26	
3 RU UTILITY DRAWER	MIDDLE ATLANTIC	UD3	
3 RU RACK MOUNT VENTED SHELF	MIDDLE ATLANTIC	U3V	
BLUETOOTH RECEIVER, RACK MOUNT	DENON	DN-300BR	
WIRELESS MIC SYSTEM - WITH HANDHELD MICROPHONE	SHURE	SLXD24 / SM58, WITH SBC203 CHARGER, SB900A RECHARGABLE BATTERIES	
WIRELESS REMOTE RECEIVE ANTENNA	RF VENUE	DFINB	
DIGITAL SIGNAL PROCESSOR, DANTE	BIAMP	TESIRAFORTE DAN AI	
4-CHANNEL AMPLIFIER, DANTE	COMMUNITY	ALC-1604D	
ROOM CONNECTION DEVICE WITH DANTE	BIAMP	TESIRAFORTE TC-5D	
LOUDSPEAKER - 70V	COMMUNITY	R.15COAX	QUAN (5)
POWER SEQUENCER, 120V/20A	FURMAN	CN-2400S, WITH RS-1 REMOTE SWITCH	
16/2 AWG LOUDSPEAKER WIRE	ANY SUITABLE MANUFACTURER		
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WIRELESS CONTROL: CONTROL SOFTWARE	BIAMP	BIAMP CANVAS	
WIRELESS CONTROL: WAP	LINKSYS	LAPAC1300C	
WIRELESS CONTROL: TABLET	SAMSUNG 10.4"		

NOTES:

INFORMATION PROVIDED IS PROGRAMMATIC AND MAY NOT INCLUDE ALL ANCILLARY EQUIPMENT. CONTRACTOR SHALL PROVIDE ALL APPURTENANCES, INTERCONNECTS, AND COMPONENTS NECESSARY FOR A FULLY OPERATIONAL SYSTEM READY FOR THE OWNERS USE. POWER, MOUNTING, CABLE MANAGEMENT, AND OTHER MISCELLANEOUS COMPONENTS REQUIRED FOR A FULLY FUNCTIONING SYSTEM ARE ASSUMED AND SHALL BE PROVIDED BY THE CONTRACTOR.

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SOUND SYSTEMS

E-504

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Parker Salisbury Park Luminaire Schedule

Key	Wattage, LED Color	Delivered Lumens	Driver & Dimming	Description	Finish	Mount	Specification: Manufacturer	Specification: Catalog Number	Specification: Volt	Max Input Wattage	Notes
A	28W LED 4000K 80 CRI	3450	0-10V 1% DIM	RECESSED 2x4 LED FLAT PANEL, BACK-LIT SMOOTH DIFFUSE OPAL LENS, INTEGRAL DRIVER	STANDARD WHITE	RECESSED <2" DEEP	COLUMBIA METALUX LITHONIA	CBT24-A-LSCS-EDD	120	30	
B	36W LED 4000K 80 CRI	1200 PER FOOT	0-10V 1% DIM	WALL MOUNTED LED LUMINAIRE, 3"W x 4'L, HIGH IMPACT FROST DR ACRYLIC LENS, INTEGRAL DRIVER	STANDARD BY ARCH	WALL ABOVE VANITY RE: ARCH ELEV	KENALL FAILSAFE OR EQUAL	MLHA3-48-F-XX-FA-1200LF-40K8-DIM1-DV-	120	36	
C	34W LED 4000K 80 CRI	4250	0-10V NON-DIM	ENCLOSED AND GASKETED 4' LONG VAPOR-TIGHT, RIBBED FROSTED ACRYLIC LENS, STAINLESS STEEL CLIPS, INTEGRAL DRIVER	STANDARD WHITE	SURFACE / PENDANT RE: DWGS	COLUMBIA METALUX LITHONIA	LXEM4-40LW-RFA--ED-U	120	35	
D	19W 4000K 80 CRI	1520	0-10V 1% DIM	RECESSED 4" DIA VANDAL DOWNLIGHT, REGRESSED LEDs, HIGH ABUSE RATED, FLUSH LENS, INTEGRAL DRIVER	CLEAR DIFFUSE REFL WHITE TRIM	RECESSED 6" DEEP	LUMINAIRE LED OR APPR EQ	VRDL4-GB-MIN1-ZT-1500LM-MD-40K-80CRI-MVOLT-CPL-AMF	120	20	
X1	LEDs INCLUDED	N/A	N/A	EMERGENCY BATTERY LUMINAIRE, TWO ADJUSTABLE HEADS, NICAD BATTERY, INTEGRAL TEST SWITCH	WHITE	WALL ABOVE DOOR	COMPASS SURELITES LITHONIA	CU2	120	N/A	
AA2	114W LED 4000K 70 CRI	16600	0-10V T.B.D.	**PARKER STANDARD: PARKING LOT POLE** LUMINAIRE, SINGLE HEAD, FULL CUT-OFF B3-U0-G3, TYPE 2 DIST, 20' TALL STRAIGHT ROUND POLE	BLACK	20' POLE ON 2'-6" CONC BASE	GARDCO LYTEPOLE	P26-64L-600-NW-G2-AR-2-UNV-BK 401-4011-20-20'-AB-D1-TBK-CO	UNV	120	
AA3	114W LED 4000K 70 CRI	16060	0-10V T.B.D.	**PARKER STANDARD: SAME AS TYPE AA2,** EXCEPT TYPE 3 DIST	BLACK	20' POLE ON 2'-6" CONC BASE	GARDCO LYTEPOLE	P26-64L-600-NW-G2-AR-3-UNV-BK 401-4011-20-20'-AB-D1-TBK-CO	UNV	120	
AA4	114W LED 4000K 70 CRI	16670	0-10V T.B.D.	**PARKER STANDARD: SAME AS TYPE AA2,** EXCEPT TYPE 4 DIST	BLACK	20' POLE ON 2'-6" CONC BASE	GARDCO LYTEPOLE	P26-64L-600-NW-G2-AR-4-UNV-BK 401-4011-20-20'-AB-D1-TBK-CO	UNV	120	
AA3-4	114W LED 4000K 70 CRI PER HEAD	16060 & 16670	0-10V T.B.D.	**PARKER STANDARD: SAME AS TYPE AA** SERIES, EXCEPT DOUBLE HEAD POLE LUMINAIRE (180 DEG MTG), ONE TYPE 3 AND ONE TYPE TYPE 4 DIST	BLACK	20' POLE ON 2'-6" CONC BASE	GARDCO LYTEPOLE	P26-64L-600-NW-G2-AR-(1) 3 & (1) 4 DIST-UNV-BK 401-4011-20-20'-AB-D2@180-TBK-CO	UNV	240 TOTAL	
BB2	35W LED 4000K 70 CRI	3740	0-10V T.B.D.	**PARKER STANDARD: POST TOP PEDESTRIAN** LUMINAIRE, DECORATIVE HEAD, FULL CUT-OFF, B1-U0-G1, 12' TALL ROUND ST POLE	BLACK	12' RND ST POLE ON CONC BASE	AAL	PROV2-36L-295-4K7-2-BLS-STND-MNT-UNV POLE: PR4-4R12-226-BLS	UNV	35	
BB2R	35W LED 4000K 70 CRI	3740	0-10V T.B.D.	**PARKER STANDARD: SAME AS TYPE BB2,** EXCEPT PROVIDE GFI RECEPTACLE WITH METAL WEATHERPROOF IN-USE COVER 10" DOWN FROM TOP OF POLE	BLACK	12' RND ST POLE ON CONC BASE	AAL	PROV2-36L-295-4K7-2-BLS-STND-MNT-UNV POLE: PR4-4R12-226-BLS RECEPT IN POLE @ 11'-2"AFG	UNV	35	
BB3	35W LED 4000K 70 CRI	3600	0-10V T.B.D.	**PARKER STANDARD: SAME AS TYPE BB2,** EXCEPT TYPE 3 DIST	BLACK	12' RND ST POLE ON CONC BASE	AAL	PROV2-36L-295-4K7-3-BLS-STND-MNT-UNV POLE: PR4-4R12-226-BLS	UNV	35	
BB3R	35W LED 4000K 70 CRI	3600	0-10V T.B.D.	**PARKER STANDARD: SAME AS TYPE BB3** EXCEPT PROVIDE GFI RECEPTACLE WITH METAL WEATHERPROOF IN-USE COVER 12" DOWN FROM TOP OF POLE	BLACK	12' RND ST POLE ON CONC BASE	AAL	PROV2-36L-295-4K7-3-BLS-STND-MNT-UNV POLE: PR4-4R12-226-BLS RECEPT IN POLE @ 11'-2"AFG	UNV	35	
BB4	35W LED 4000K 70 CRI	2640	0-10V T.B.D.	**PARKER STANDARD: SAME AS TYPE BB2,** EXCEPT TYPE 4 DIST	BLACK	12' RND ST POLE ON CONC BASE	AAL	PROV2-36L-295-4K7-4-BLS-STND-MNT-UNV POLE: PR4-4R12-226-BLS	UNV	35	
BB5	35W LED 4000K 70 CRI	3670	0-10V T.B.D.	**PARKER STANDARD: SAME AS TYPE BB2,** EXCEPT TYPE 5W DIST	BLACK	12' RND ST POLE ON CONC BASE	AAL	PROV2-36L-295-4K7-5W-BLS-STND-MNT-UNV POLE: PR4-4R12-226-BLS	UNV	35	
BB5R	35W LED 4000K 70 CRI	3670	0-10V T.B.D.	**PARKER STANDARD: SAME AS TYPE BB5** EXCEPT PROVIDE GFI RECEPTACLE WITH METAL WEATHERPROOF IN-USE COVER 12" DOWN FROM TOP OF POLE	BLACK	12' RND ST POLE ON CONC BASE	AAL	PROV2-36L-295-4K7-5W-BLS-STND-MNT-UNV POLE: PR4-4R12-226-BLS RECEPT IN POLE @ 11'-2"AFG	UNV	35	
BB5RS	35W LED 4000K 70 CRI	3670	0-10V T.B.D.	**PARKER STANDARD: SAME AS TYPE BB5R,** EXCEPT SHORTER POLE, RECEPTACLE AT 10" BELOW TOP OF POLE (INSTALLED IN RAISED PLANTER)	BLACK	10.5' RND ST POLE ON CONC BASE	AAL	PROV2-36L-295-4K7-5W-BLS-STND-MNT-UNV POLE: PR4-4R10.5-226-BLS RECEPT IN POLE @ 9'-8"	UNV	35	
CC	74W LED 4000K 70 CRI	10400	0-10V NON-DIM	SPORT POLE MOUNTED LED AREA LIGHT, FULL CUT-OFF CAST ALUM HSNG, TYPE 3 DIST, MATCH TYPE AA# LUMINAIRE HEAD	BY ARCH	ARM TO SPORT POLE +20' AFG	GARDCO	P26-48L-500-NW-G2-AR-3-UNV ARM MOUNT TO SPORT POLE	UNV	75	
DD	19W LED 4000K 80 CRI	1520	0-10V 1% DIM	RECESSED 4" DIA VANDAL DOWNLIGHT, REGRESSED LEDs, HIGH ABUSE RATED, FLUSH LENS, INTEGRAL DRIVER, DAMP LOC	CLEAR DIFFUSE BLACK TRIM	RECESSED 6" DEEP	LUMINAIRE LED OR APPR EQ	VRDL4-GB-MIN1-ZT-1500LM-MD-40K-80CRI-MVOLT-CPL-BLK	120	20	
EE	35W LED 4000K 80 CRI	3600	0-10V T.B.D.	SURFACE MOUNTED ADJUSTABLE EXT LUMINAIRE HEAD, FULL ADJUSTABILITY INTEGRAL DRIVER, FLOOD DIST	BY ARCH	SURFACE SIDE MOUNT TO BEAM	BK LTG OR EQUAL	HU LED TR SERIES	120	40	
EE1	35W LED 4000K 80 CRI	3200-3600	0-10V T.B.D.	SAME AS TYPE EE, EXCEPT SPOT DIST	BY ARCH	SURFACE SIDE MOUNT TO BEAM	BK LTG OR EQUAL	HU LED TR SERIES	120	40	
FF	22W LED 4000K 80 CRI	23000	0-10V 1% DIM BLUETOOTH	INGRADE FLAG POLE UPLIGHT, FLAT LENS, SPOT DIST, STAINLESS STEEL TRIM BLUETOOTH CNTRL, REBAR CAGE, 10" DIA	STAINLESS STEEL	RECESSED FLUSH WITH GRADE	KIM OR APROVE EQ	LTV82-SS-SP-18L-4K-UV-SR-RCA82	UNV	20	
HH	16W LED 4000K 70 CRI	2000	NON-DIM	GROUND MOUNTED SIGN LIGHT, WIDE-NARROW DIST, CAST ALUM HOUSING,	BRONZE	ON FLUSH WITH GRADE CONC	KIM HYDREL	LSP-LSCS	UNV	25	
KK	48W LED 4000K 70 CRI	4000	NON-DIM	WALL MOUNTED 8' LINEAR SIGN LIGHT, CAST ALUM HSNG, 12" ARMS, REMOTE DRIVER WET LOCATION, AIM DOWNWARD	BLACK	WALL, ARM ABOVE SIGNAGE	COLE LTG KIM OR APROVE EQ	SL-8-ARM/STR (12")-WP	UNV	25 PER 4'	1

Not all parts and pieces may be identified in the catalog number. It shall be the Contractor's and Supplier/Manufacturer's responsibility to ensure all necessary parts, pieces, and hardware are provided with the luminaire for a complete installation.

Notes:
1. Remote driver above accessible ceiling or within plenum of space behind wall. Provide label on driver "Sign Lighting Driver".

Name: **PMPF - Multi Purpose - Base Bid** Volt: **480/277** Ph: **3** Wire: **4** | Mnt: **Surface** Method: Bus Rating: **600** Main Breaker: **600** AIC Rating: **10,000**

	Code	Description	Load	Bkr	P	Ph A	Ph B	Ph C	P	Bkr	Load	Description	Code	
			VA								VA			
1	1	Ltg S1W Field	7200	20	3	*			3	20	7200	Ltg S1E Field	1	2
3		-----		/			*			/		-----		4
5		-----		/				*		/		-----		6
7	1	Ltg S2 Field	7200	20	3	*			3	20	7200	Ltg S4E Field	1	8
9		-----		/			*			/		-----		10
11		-----		/				*		/		-----		12
13	1	Ltg S3 Field	7200	20	3	*			3	20	7200	Ltg S5 Field	1	14
15		-----		/			*			/		-----		16
17		-----		/				*		/		-----		18
19	1	Ltg S4W Field	7200	20	3	*			3	20	7200	Ltg S6 Field	1	20
21		-----		/			*			/		-----		22
23		-----		/				*		/		-----		24
25		SPARE		20	1	*			1	20		SPARE		26
27		SPARE		20	1		*		1	20		SPARE		28
29		SPARE		20	1			*	1	20		SPARE		30
31	1	West Drv Ltg-Sec/Cam	920	20	3	*			1	20		SPARE		32
33	1	SW Prkg Ltg-Sec/Cam	920	/			*		1	20		SPARE		34
35	1	Ltg Pedestrian-Sec	360	/				*	1	20		SPARE		36
37	1	West Drive Ltg-Gen	600	20	3	*				-		Space Only		38
39	1	SW Parking Ltg-Gen	360	/			*			-		Space Only		40
41	1	Ltg Pedestrian-Gen	360	/				*		-		Space Only		42

Code	Description	Load VA	Dem
1	Lighting	**61120**	125%
2	Rec up to 10,000		100%
	Rec over 10,000		50%
3	Motor		100%
	Largest Motor		125%
4	Heater		100%
5	Kitchen		100%
6	Miscellaneous		100%
7	Sub Panel		100%

Load Summary

Per	Phase	
Ph A	**19707**	VA
Ph B	**19707**	VA
Ph C	**19707**	VA
Connected		**61120** VA
Code	Demand	**76400** VA
Code	Demand	**92.00** Amps

Name: **PMPF - Multi Purpose - Alternate 1** Volt: **480/277** Ph: **3** Wire: **4** | Mnt: **Surface** Method: Bus Rating: **600** Main Breaker: **600** AIC Rating: **10,000**

	Code	Description	Load	Bkr	P	Ph A	Ph B	Ph C	P	Bkr	Load	Description	Code	
			VA								VA			
1	1	Ltg S1W Field	7020	20	3	*			3	20	7020	Ltg S1E Field	1	2
3		-----		/			*			/		-----		4
5		-----		/				*		/		-----		6
7	1	Ltg S2 Field	7020	20	3	*			3	20	7020	Ltg S4E Field	1	8
9		-----		/			*			/		-----		10
11		-----		/				*		/		-----		12
13	1	Ltg S3 Field	7020	20	3	*			3	20	7020	Ltg S5 Field	1	14
15		-----		/			*			/		-----		16
17		-----		/				*		/		-----		18
19	1	Ltg S4W Field	7020	20	3	*			3	20	7020	Ltg S6 Field	1	20
21		-----		/			*			/		-----		22
23		-----		/				*		/		-----		24
25	1	Ltg Basketball/Fitness	3240	20	3	*			3	20	1080	Ltg Basketball North	1	26
27		(Future Phase)		/			*			/		(Future Phase)		28
29		(2 zones)		/				*		/		(1 zone)		30
31	1	Ltg W Drive-Sec/Cam	920	20	3	*			3	20	6000	EWH-1 (Alt No 1)	4	32
33	1	Ltg SW Prkg-Sec/Cam	920	/			*			/		-----		34
35	1	Ltg Pedestrian-Sec	360	/				*		/		-----		36
37	1	Ltg W Drive-Gen	600	20	3	*			1	20		SPARE		38
39	1	Ltg SW Prkg-Gen	360	/			*		1	20		SPARE		40
41	1	Ltg Pedestrian-Gen	360	/				*	1	20		SPARE		42
43		SPARE		20	1	*			1	20		SPARE		44
45		SPARE		20	1		*		1	20		SPARE		46
47		SPARE		20	1			*	1	20		SPARE		48
49		SPARE		20	1	*			1	20		SPARE		50
51		SPARE		20	1		*		1	20		SPARE		52
53		SPARE		20	1			*	1	20		SPARE		54
55		Space Only		-		*				-		Space Only		56
57		Space Only		-			*			-		Space Only		58
59		Space Only		-				*		-		Space Only		60
61		Space Only		-		*				-		Space Only		62
63		Space Only		-			*			-		Space Only		64
65		Space Only		-				*		-		Space Only		66
67		Space Only		-		*				-		Space Only		68
69		Space Only		-			*			-		Space Only		70
71		Space Only		-				*		-		Space Only		72
73		Space Only		-		*				-		Space Only		74
75		Space Only		-			*			-		Space Only		76
77		Space Only		-				*		-		Space Only		78
79		Space Only		-	*				3	400	250000	Panel PHUB Bldg	7	80
81		Space Only		-		*				/		via Trans TPHUB		82
83		Space Only		-			*			/		(Alternate No 1)		84

Code	Description	Load VA	Dem
1	Lighting	**64000**	125%
2	Rec up to 10,000		100%
	Rec over 10,000		50%
3	Motor		100%
	Largest Motor		125%
4	Heater	**6000**	100%
5	Kitchen		100%
6	Miscellaneous		100%
7	Sub Panel	**250000**	100%

Load Summary

Per	Phase	
Ph A	**106000**	VA
Ph B	**106000**	VA
Ph C	**106000**	VA
Connected		**320000** VA
Code	Demand	**336000** VA
Code	Demand	**404.62** Amps

Name: **PBBF - Baseball - Base Bid** Volt: **480/277** Ph: **3** Wire: **4** | Mnt: **Surface** Method: Bus Rating: **600** Main Breaker: **600** AIC Rating: **22,000**

	Code	Description	Load	Bkr	P	Ph A	Ph B	Ph C	P	Bkr	Load	Description	Code	
			VA								VA			
1	1	Ltg A1 Field 1	5500	20	3	*			3	20	5500	Ltg A2 Field 1	1	2
3		-----		/			*			/		-----		4
5		-----		/				*		/		-----		6
7	1	Ltg B1 Field 1	7010	20	3	*			3	20	7010	Ltg B2 Field 1	1	8
9		-----		/			*			/		-----		10
11		-----		/				*		/		-----		12
13	1	Ltg C1 Field 1	5840	20	3	*			3	20	5840	Ltg C2 Field 1	1	14
15		-----		/			*			/		-----		16
17		-----		/				*		/		-----		18
19	1	Ltg A3 Field 2	5500	20	3	*			3	20	5500	Ltg A4 Field 2	1	20
21		-----		/			*			/		-----		22
23		-----		/				*		/		-----		24
25	1	Ltg B3 Field 2	8130	20	3	*			3	20	8130	Ltg B4 Field 2	1	26
27		-----		/			*			/		-----		28
29		-----		/				*		/		-----		30
31	1	Ltg C3 Field 2	7000	20	3	*			3	20	7000	Ltg C4 Field 2	1	32
33		-----		/			*			/		-----		34
35		-----		/				*		/		-----		36
37	1	Ltg A5 Field 3	5500	20	3	*			3	20	5500	Ltg A6 Field 3	1	38
39		-----		/			*			/		-----		40
41		-----		/				*		/		-----		42
43	1	Ltg B5 Field 3	8130	20	3	*			3	20	8130	Ltg B6 Field 3	1	44
45		-----		/			*			/		-----		46
47		-----		/				*		/		-----		48
49	1	Ltg C5 Field 3	7000	20	3	*			3	20	7000	Ltg C6 Field 3	1	50
51		-----		/			*			/		-----		52
53		-----		/				*		/		-----		54
55	1	Ltg A7 Field 4	4040	20	3	*			3	20	4040	Ltg A8 Field 4	1	56
57		-----		/			*			/		-----		58
59		-----		/				*		/		-----		60
61	1	Ltg B7 Field 4	4670	20	3	*			3	20	4670	Ltg B8 Field 4	1	62
63		-----		/			*			/		-----		64
65		-----		/				*		/		-----		66
67	1	Ltg C7 Field 4	4380	20	3	*			3	20	4380	Ltg C8 Field 4	1	68
69		-----		/			*			/		-----		70
71		-----		/				*		/		-----		72
73		SPARE		20	1	*			3	20	6000	EWH-1	4	74
75		SPARE		20	1		*			/				76
77		SPARE		20	1			*		/				78
79	3	Panel PMPF	76400	175	3	*			3	150	90380	Panel PHQRR HQ Bldg	7	80
81		(Base Bid, Eliminate as part of Alt 1)		/			*			/		-----		82
83				/				*		/		-----		84
85	1	Ltg NE Prkg-Sec/Cam	1200	20	2	*			1	20		SPARE		86
87	1	Ltg SE Drive-Sec/Cam	1200	/			*		1	20		SPARE		88
89	1	Ltg N Ped-Sec	1200	20	2			*	1	20		SPARE		90
91	1	Ltg S Ped-Sec	1200	/		*			1	20		SPARE		92
93	1	Ltg NE Prkg-Gen	1200	20	2		*		1	20		SPARE		94
95	1	Ltg SE Drive-Gen	1200	/				*	1	20		SPARE		96
97	1	Ltg N Ped-Gen	1200	20	2	*			-	-		Space Only		98
99	1	Ltg S Ped-Gen	1200	/			*		-	-		Space Only		100
101		SPARE		20	1			*	-	-		Space Only		102
103		SPARE		20	1	*			-	-		Space Only		104
105		SPARE		20	1		*		-	-		Space Only		106
107		SPARE		20	1			*	-	-		Space Only		108
109		Space Only		-		*			-	-		Space Only		110
111		Space Only		-			*		-	-		Space Only		112
113		Space Only		-				*	-	-		Space Only		114
115		Space Only		-	*				-	-		Space Only		116
117		Space Only		-		*			-	-		Space Only		118
119		Space Only		-			*		-	-		Space Only		120
121		Space Only		-	*				-	-		Space Only		122
123		Space Only		-		*			-	-		Space Only		124
125		Space Only		-			*		-	-		Space Only		126

Code	Description	Load VA	Dem
1	Lighting	**155000**	125%
2	Rec up to 10,000		100%
	Rec over 10,000		50%
3	Motor		100%
	Largest Motor	**76400**	125%
4	Heater	**6000**	100%
5	Kitchen		100%
6	Miscellaneous		100%
7	Sub Panel	**90380**	100%

Load Summary

Per	Phase	
Ph A	**107860**	VA
Ph B	**107860**	VA
Ph C	**107260**	VA
Connected		**327780.25** VA
Code	Demand	**385630** VA
Code	Demand	**464.39** Amps

Name: **PS1** Volt: **208/120** Ph: **3** Wire: **4** | Mnt: **Pedestal (NEMA 3R)** Method: Bus Rating: **100** Main Breaker: **60** AIC Rating:

	Code	Description	Load	Bkr	P	Ph A	Ph B	Ph C	P	Bkr	Load	Description	Code	
			VA								VA			
1	1	Ltg West Entry Sign	200	20	1	*			1	20	1000	Rec West Entry	2	2
3	1	Pwr NW Entry Sign	400	20	1		*		1	20	1000	Rec West Entry	2	4
5	2	Irrigation Cntrl / Rec	500	20	1			*	1	20	1000	Rec NW Entry	2	6
7		Spare		20	1	*			1	20	1000	Rec NW Entry	2	8
9		Spare		20	1		*		-	-		Space		10
11		Spare		20	1			*	-	-		Space		12
13		Spare		20	1	*			-	-		Space		14
15		Spare		20	1		*		-	-		Space		16
17		Spare		20	1			*	1	20	200	Time Clock Control	6	18

Code	Description	Load VA	Dem
1	Lighting	**600**	125%
2	Rec up to 10,000	**4500**	100%
	Rec over 10,000		50%
3	Motor		100%
	Largest Motor		125%
4	Heater		100%
5	Kitchen		100%
6	Miscellaneous	**200**	100%
7	Sub Panel		100%

Load Summary

Per	Phase	
Ph A	**2200**	VA
Ph B	**1400**	VA
Ph C	**1700**	VA
Connected		**5300** VA
Code	Demand	**5450** VA
Code	Demand	**15.15** Amps

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3777 Pyramid Court, #260
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ARCHITECTURE
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INTERIOR DESIGN

Town of Parker
SALISBURY PARK
NORTH - PHASE 1
11700 MOTSENBOCKER RD
PARKER, CO 80134

Δ	DATE	DESCRIPTION

Project Number: 223072.00
Sheet Issue Date: 2024-11-22
Drawn By: HFR
Checked By: AEI

Key Map

Drawing
ELECTRICAL SCHEDULES

E-600

SITE PLAN SUBMITTAL

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THE LINE SHOWN ABOVE IS EXACTLY ONE INCH ON ALL ORIGINAL SHEETS ORIGINAL PAGE SIZE

THE SQUARES ABOVE ARE COLOR WITH BLACK AND WHITE LETTER, IF PRINTED CORRECTLY

K Y M C

Salisbury Multi-Purpose Field Lighting Electrical Connection & Control Schedule

	Description	Electrical Load	Volt	Ph	Branch Circuit	Feeder & Conduit	Control Contactor	Rating	Zone	Notes	Phase
S1 (Z1)	Zone 1 (Multipurpose Field 1 NE) (6) TLC-LED Luminaires	7200 VA 8.7 Amps	480	3	Pnl PMPF-1,3,5 20A3P	(3#8+1#10G) Shared 1 1/4"C	M1	30A3P	1	1,2	Base Bid
S2	Zone 1 (Multipurpose Field 1 NW) (6) TLC-LED Luminaires	7200 VA 8.7 Amps	480	3	Pnl PMPF-7,9,11 20A3P	(3#8+1#10G) 1 1/4"C	M2	30A3P	1	1,2	Base Bid
S3	Zone 1 (Multipurpose Field 1 SW) (6) TLC-LED Luminaires	7200 VA 8.7 Amps	480	3	Pnl PMPF-13,15,17 20A3P	(3#8+1#10G) 1 1/4"C	M3	30A3P	1	1,2	Base Bid
S4 (Z1)	Zone 1 (Multipurpose Field 1 SE) (6) TLC-LED Luminaires	7200 VA 8.7 Amps	480	3	Pnl PMPF-19,21,23 20A3P	(3#8+1#10G) Shared 1 1/4"C	M4	30A3P	1	1,2	Base Bid
S1 (Z2)	Zone 2 (Multipurpose Field 2 NW) (6) TLC-LED Luminaires	7200 VA 8.7 Amps	480	3	Pnl PMPF-2,4,6 20A3P	(3#8+1#10G) Shared 1 1/4"C	M5	30A3P	2	1,2	Base Bid
S5	Zone 2 (Multipurpose Field 1 NE) (6) TLC-LED Luminaires	7200 VA 8.7 Amps	480	3	Pnl PMPF-14,16,18 20A3P	(3#8+1#10G) 1 1/4"C	M6	30A3P	2	1,2	Base Bid
S6	Zone 2 (Multipurpose Field 1 SE) (6) TLC-LED Luminaires	7200 VA 8.7 Amps	480	3	Pnl PMPF-20,22,24 20A3P	(3#8+1#10G) 1 1/4"C	M7	30A3P	2	1,2	Base Bid
S4 (Z2)	Zone 2 (Multipurpose Field 2 SW) (6) TLC-LED Luminaires	7200 VA 8.7 Amps	480	3	Pnl PMPF-8,10,12 20A3P	(3#8+1#10G) Shared 1 1/4"C	M8	30A3P	2	1,2	Base Bid
	Site Lighting Security (Select Parking lot and pedestrian poles)	XXX VA XXX Amps	277	1	20AXP PMPF-X,X,X	(X#10+#10G) 1"C	M9	20AXP	3		Base Bid
	Site Lighting General (Select Parking lot and pedestrian poles)	XXX VA XXX Amps	277	1	20AXP PMPF-X,X,X	(X#10+#10G) 1"C	M10	20AXP	4		Base Bid
	Pedestrian Light Pole Receptacles (for holiday lighting)	XXX VA XXX Amps	120	1	20AXP PHUB-X,X,X	(X#8+#8G) 1"C	M11	20AXP	5		Base Bid
	Building Mounted Lighting Security (Select bldg lts, zone z)	XXX VA XXX Amps	120	1	20AXP PHUB-X (PART)	(X#12+#12G) 3/4"C	M12	20AXP	3		Base Bid
	Building Mounted Lighting General (Select bldg lts, zone y & w)	XXX VA XXX Amps	120	1	20AXP PHUB-X (PART)	(X#12+#12G) 3/4"C	M13	20AXP	4		Base Bid
BA1	Zone 3 (Basketball Court N) (2) TLC-LED-550 Luminaires	1100 VA 1.3 Amps	480	3	20A3P	T.B.D. 1 1/4"C	M14	30A3P	TBD	1,2,3	Future (TBD)
BA2 (Z4)	Zone 4 (Basketball Court SW) (3) TLC-LED-550 Luminaires	1650 VA 2.0 Amps	480	3	Share with BA2	T.B.D. 1 1/4"C	M15	30A3P	TBD	1,2,3	Future (TBD)
BA2 (Z5)	Zone 5 (Fitness Court SW) (3) TLC-LED-550 Luminaires	1650 VA 2.0 Amps	480	3	Share with BA2	T.B.D. 1 1/4"C	M16	30A3P	TBD	1,2,3	Future (TBD)
	Shelter Lighting		120	1			M17	20A1P	TBD	3,4	Future (TBD)
	Site Lighting Security (Select Parking lot and pedestrian poles)		277	1			M18			5	Future (TBD)
	Site Lighting General (Select Parking lot and pedestrian poles)		277	1			M19			5	Future (TBD)
	Pedestrian Light Pole Receptacles (for holiday lighting)		120	1			M20			5	Future (TBD)

Notes:

1. Remote Lighting Control System: The Lighting Control System shall control the lighting associated with each field or court independently. >
2. Route new lighting branch circuit feeders via new flush with grade pull box near panel and at each light pole. Route all new branch circuit feeders 30" below grade from panel to pull box, to Musco controller, to pull box at each field/court light pole, and to light pole. >
3. Provide as a placeholder. Provide contactor for future lighting zone. >
4. Branch circuit for shelter lighting and receptacles shall share conduit. >
5. Provide as a placeholder. Provide space in controller to accommodate future Contactors. >

COORDINATE EXACT REQUIREMENTS FOR ALL ELECTRICAL WORK ASSOCIATED WITH THE FIELD LIGHITNG AND CONTROL EQUIPMENT
WITH THE MANUFACTURERS' INSTALLATION REQUIREMENTS AND INSTALLING CONTRACTOR PRIOR TO ROUGH-IN.
REFER TO THE CIVIL AND LANDSCAPE ARCHITECUTURAL PLANS AND MANUFACTURER'S PHOTOMETRIC PLANS FOR ALL LIGHT POLE LOCATIONS

Salisbury Baseball Field Lighting Electrical Connection & Control Schedule

	Description	Electrical Load	Volt	Ph	Branch Circuit	Feeder & Conduit	Control Contactor	Rating	Zone	Notes	Phase
A1	Baseball Field 1 Home Plate TLC-LED Luminaires	5500 VA 6.6 Amps	480	3	Pnl PBBF-1,3,5 20A3P	(3#8+1#10G) 1 1/4"C	B1	30A3P	1	1,2	Base Bid
A1	Baseball Field 1 Home Plate (1) Type CC	VA 0.0 Amps	277	1	Pnl PBBF-X 20AXP	(2#X+#XG) Share A1 Conduit	B#	20A1P	6	3	Base Bid
A2	Baseball Field 1 Home Plate TLC-LED Luminaires	5500 VA 6.6 Amps	480	3	Pnl PBBF-2,4,6 20A3P	(3#8+1#10G) 1 1/4"C	B2	30A3P	1	1,2	Base Bid
A2	Baseball Field 1 Home Plate (1) Type CC	VA 0.0 Amps	277	1	Pnl PBBF-X 20AXP	(2#10+#10G) Share A2 Conduit	B#	20A1P	6	3	Base Bid
B1	Baseball Field 1 3rd Base TLC-LED Luminaires	7010 VA 8.4 Amps	480	3	Pnl PBBF-7,9,11 20A3P	(3#8+1#10G) 1 1/4"C	B3	30A3P	1	1,2	Base Bid
B2	Baseball Field 1 1st Base TLC-LED Luminaires	7010 VA 8.4 Amps	480	3	Pnl PBBF-8,10,12 20A3P	(3#8+1#10G) 1 1/4"C	B4	30A3P	1	1,2	Base Bid
C1	Baseball Field 1 Left Field TLC-LED Luminaires	5840 VA 7.0 Amps	480	3	Pnl PBBF-13,15,17 20A3P	(3#8+1#10G) 1 1/4"C	B5	30A3P	1	1,2	Base Bid
C2	Baseball Field 1 Right Field TLC-LED Luminaires	5840 VA 7.0 Amps	480	3	Pnl PBBF-14,16,18 20A3P	(3#8+1#10G) 1 1/4"C	B6	30A3P	1	1,2	Base Bid
A3	Baseball Field 2 Home Plate TLC-LED Luminaires	5500 VA 6.6 Amps	480	3	Pnl PBBF-19,21,23 20A3P	(3#8+1#10G) 1 1/4"C	B7	30A3P	2	1,2	Base Bid
A3	Baseball Field 2 Home Plate (1) Type CC	VA 0.0 Amps	277	1	Pnl PBBF-X 20AXP	(2#10+#10G) Share A3 Conduit	B#	20A1P	6	3	Base Bid
A4	Baseball Field 2 Home Plate TLC-LED Luminaires	5500 VA 6.6 Amps	480	3	Pnl PBBF-20,22,24 20A3P	(3#8+1#10G) 1 1/4"C	B8	30A3P	2	1,2	Base Bid
A4	Baseball Field 2 Home Plate (1) Type CC	VA 0.0 Amps	277	1	Pnl PBBF-X 20AXP	(2#10+#10G) Share A4 Conduit	B#	20A1P	6	3	Base Bid
B3	Baseball Field 2 3rd Base TLC-LED Luminaires	8130 VA 9.8 Amps	480	3	Pnl PBBF-25,27,29 20A3P	(3#8+1#10G) 1 1/4"C	B9	30A3P	2	1,2	Base Bid
B4	Baseball Field 2 1st Base TLC-LED Luminaires	8130 VA 9.8 Amps	480	3	Pnl PBBF-26,28,30 20A3P	(3#8+1#10G) 1 1/4"C	B10	30A3P	2	1,2	Base Bid
C3	Baseball Field 2 Left Field TLC-LED Luminaires	7000 VA 8.4 Amps	480	3	Pnl PBBF-31,33,35 20A3P	(3#8+1#10G) 1 1/4"C	B11	30A3P	2	1,2	Base Bid
C4	Baseball Field 2 Right Field TLC-LED Luminaires	7000 VA 8.4 Amps	480	3	Pnl PBBF-32,34,36 20A3P	(3#8+1#10G) 1 1/4"C	B12	30A3P	2	1,2	Base Bid
A5	Baseball Field 3 Home Plate TLC-LED Luminaires	5500 VA 6.6 Amps	480	3	Pnl PBBF-37,39,41 20A3P	(3#8+1#10G) 1 1/4"C	B13	30A3P	3	1,2	Base Bid
A5	Baseball Field 3 Home Plate (1) Type CC	VA 0.0 Amps	277	1	Pnl PBBF-X 20AXP	(2#10+#10G) Share A5 Conduit	B#	20A1P	6	3	Base Bid
A6	Baseball Field 3 Home Plate TLC-LED Luminaires	5500 VA 6.6 Amps	480	3	Pnl PBBF-38,40,42 20A3P	(3#8+1#10G) 1 1/4"C	B14	30A3P	3	1,2	Base Bid
A6	Baseball Field 3 Home Plate (1) Type CC	VA 0.0 Amps	277	1	Pnl PBBF-X 20AXP	(2#10+#10G) Share A6 Conduit	B#	20A1P	6	3	Base Bid
B5	Baseball Field 3 3rd Base TLC-LED Luminaires	8130 VA 9.8 Amps	480	3	Pnl PBBF-43,45,47 20A3P	(3#8+1#10G) 1 1/4"C	B15	30A3P	3	1,2	Base Bid
B6	Baseball Field 3 1st Base TLC-LED Luminaires	8130 VA 9.8 Amps	480	3	Pnl PBBF-44,46,48 20A3P	(3#8+1#10G) 1 1/4"C	B16	30A3P	3	1,2	Base Bid
C5	Baseball Field 3 Left Field TLC-LED Luminaires	7000 VA 8.4 Amps	480	3	Pnl PBBF-49,51,53 20A3P	(3#8+1#10G) 1 1/4"C	B17	30A3P	3	1,2	Base Bid
C6	Baseball Field 3 Right Field TLC-LED Luminaires	7000 VA 8.4 Amps	480	3	Pnl PBBF-50,52,54 20A3P	(3#8+1#10G) 1 1/4"C	B18	30A3P	3	1,2	Base Bid
A7	Baseball Field 4 Home Plate TLC-LED Luminaires	4040 VA 4.9 Amps	480	3	Pnl PBBF-55,57,59 20A3P	(3#8+1#10G) 1 1/4"C	B19	30A3P	4	1,2	Base Bid
A7	Baseball Field 4 Home Plate (1) Type CC	VA 0.0 Amps	277	1	Pnl PBBF-X 20AXP	(2#10+#10G) Share A7 Conduit	B#	20A1P	6	3	Base Bid
A8	Baseball Field 4 Home Plate TLC-LED Luminaires	4040 VA 4.9 Amps	480	3	Pnl PBBF-56,58,60 20A3P	(3#8+1#10G) 1 1/4"C	B20	30A3P	4	1,2	Base Bid
A8	Baseball Field 4 Home Plate (1) Type CC	VA 0.0 Amps	277	1	Pnl PBBF-X 20AXP	(2#10+#10G) Share A8 Conduit	B#	20A1P	6	3	Base Bid
B7	Baseball Field 4 3rd Base TLC-LED Luminaires	4670 VA 5.6 Amps	480	3	Pnl PBBF-61,63,65 20A3P	(3#8+1#10G) 1 1/4"C	B21	30A3P	4	1,2	Base Bid
B7	Baseball Field 4 Left Field (1) Type CC	VA 0.0 Amps	277	1	Pnl PBBF-X 20AXP	(2#10+#10G) Share B7 Conduit	B#	20A1P	6	3	Base Bid
B8	Baseball Field 4 1st Base TLC-LED Luminaires	4670 VA 5.6 Amps	480	3	Pnl PBBF-62,64,66 20A3P	(3#8+1#10G) 1 1/4"C	B22	30A3P	4	1,2	Base Bid
C7	Baseball Field 4 Left Field TLC-LED Luminaires	4380 VA 5.3 Amps	480	3	Pnl PBBF-67,69,71 20A3P	(3#8+1#10G) 1 1/4"C	B23	30A3P	4	1,2	Base Bid
C8	Baseball Field 4 Right Field TLC-LED Luminaires	4380 VA 5.3 Amps	480	3	Pnl PBBF-68,70,72 20A3P	(3#8+1#10G) 1 1/4"C	B24	30A3P	4	1,2	Base Bid
	Site Lighting Security (Zone s) (Select Parking lot and pedestrian poles)	XXX VA XXX Amps	208	1	20AXP PBBF-X,X,X	(X#10+#10G) 1"C	B25	20AXP	5		Base Bid
	Site Lighting General (Zone g) (Select Parking lot and pedestrian poles)	XXX VA XXX Amps	208	1	20AXP PBBF-X,X,X	(X#10+#10G) 1"C	B26	20AXP	6		Base Bid
	Pedestrian Light Pole Receptacles (for holiday lighting)	XXX VA XXX Amps	120	1	20AXP PHQRR-X,X,X	(X#8+#8G) 1"C	B27	20AXP	7		Base Bid
	Building Mounted Lighting Security (Select bldg lts, zone z)	XXX VA XXX Amps	120	1	20AXP PHQRR-X (PART)	(X#12+#12G) 3/4"C	B28	20AXP	5		Base Bid
	Building Mounted Lighting General (Select bldg lts, zone y & w)	XXX VA XXX Amps	120	1	20AXP PHQRR-X (PART)	(X#12+#12G) 3/4"C	B29	20AXP	6		Base Bid

Notes:

1. Remote Lighting Control System: The Lighting Control System shall control the lighting associated with each ballfield independently. >
2. Route new field lighting branch circuit feeders via new flush with grade pull box near panel and at each light pole. Route all new branch circuit feeders 30" below grade from panel to pull box, to Musco controller, to pull box at each light pole, and to light pole. >
3. Mount Type CC luminaire on backside of sports light pole, 20' AFG. >

COORDINATE EXACT REQUIREMENTS FOR ALL ELECTRICAL WORK ASSOCIATED WITH THE COURT LIGHITNG AND CONTROL EQUIPMENT
WITH THE MANUFACTURERS' INSTALLATION REQUIREMENTS AND INSTALLING CONTRACTOR PRIOR TO ROUGH-IN.
REFER TO THE CIVIL AND LANDSCAPE ARCHITECUTURAL PLANS AND MANUFACTURER'S PHOTOMETRIC PLANS FOR ALL LIGHT POLE LOCATIONS

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NORTH - PHASE 1
11700 MOTSENBOCKER RD
PARKER, CO 80134

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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

Δ	DATE	DESCRIPTION

Project Number: 223072.00
Sheet Issue Date: 2024-11-22
Drawn By: HFR
Checked By: HFR

Key Map

Drawing
ELECTRICAL SCHEDULES

E-601

SITE PLAN SUBMITTAL

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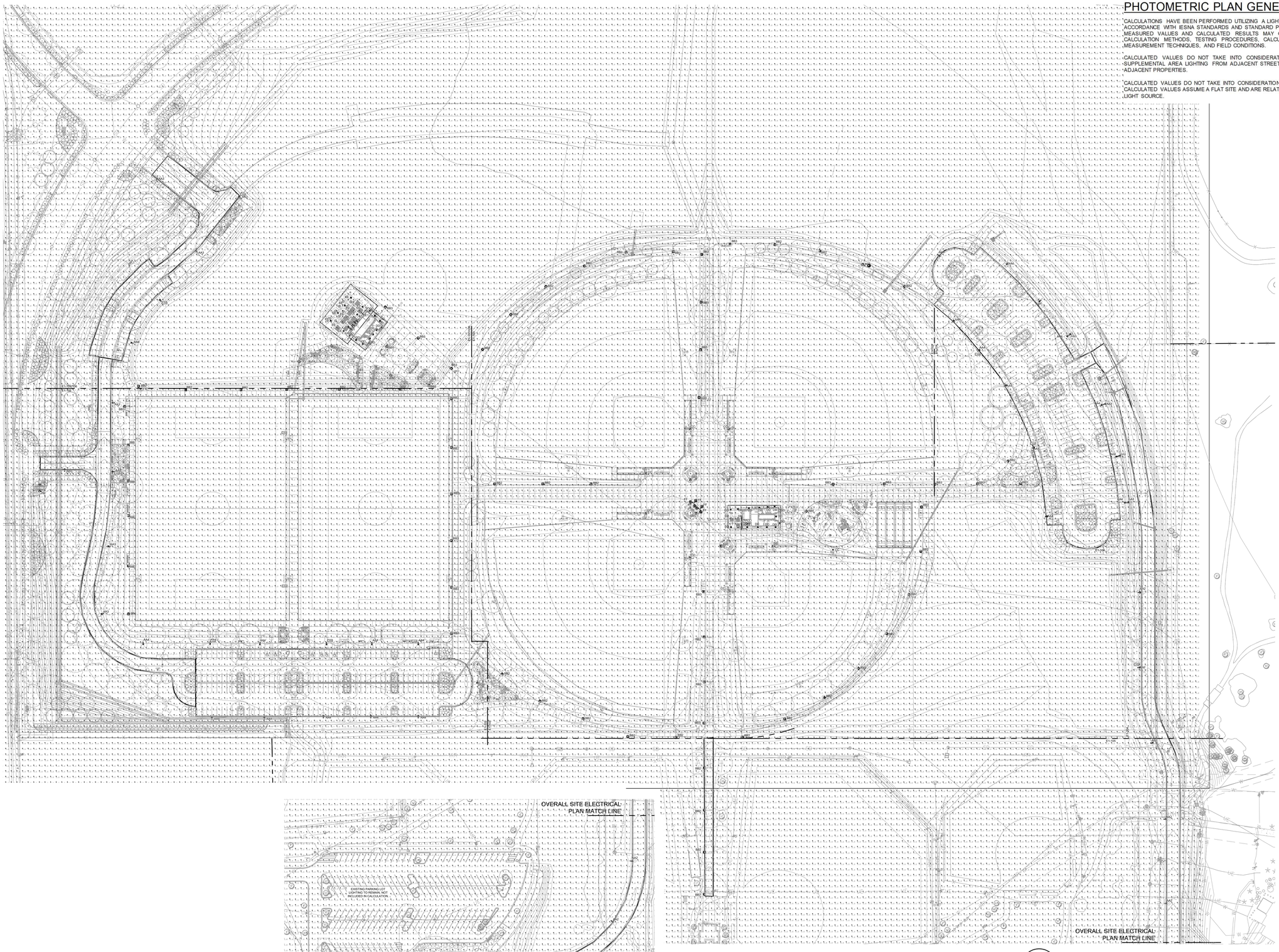
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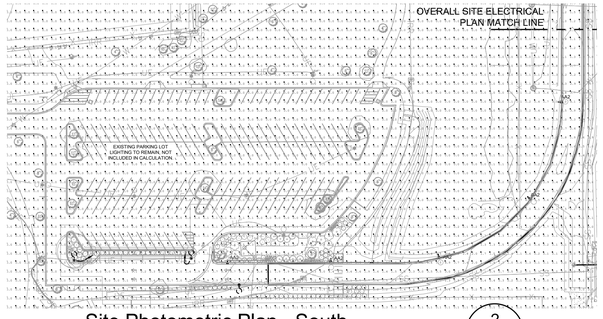
THE SQUARES ABOVE ARE COLOR: WITH BLACK AND WHITE EQUIVALENTS WHEN PLOTTED

PHOTOMETRIC PLAN GENERAL NOTES

1. CALCULATIONS HAVE BEEN PERFORMED UTILIZING A LIGHTING CALCULATION SOFTWARE, IN ACCORDANCE WITH IESNA STANDARDS AND STANDARD PRACTICE. DIFFERENCES BETWEEN MEASURED VALUES AND CALCULATED RESULTS MAY OCCUR DUE TO TOLERANCES IN CALCULATION METHODS, TESTING PROCEDURES, CALCULATION SOFTWARE LIMITATIONS, MEASUREMENT TECHNIQUES, AND FIELD CONDITIONS.
2. CALCULATED VALUES DO NOT TAKE INTO CONSIDERATION AMBIENT LIGHT LEVELS OR SUPPLEMENTAL AREA LIGHTING FROM ADJACENT STREET LIGHTS OR LIGHTS LOCATED ON ADJACENT PROPERTIES.
3. CALCULATED VALUES DO NOT TAKE INTO CONSIDERATION THE TOPOGRAPHY OF THE SITE. CALCULATED VALUES ASSUME A FLAT SITE AND ARE RELATIVE TO THEIR DISTANCE FROM THE LIGHT SOURCE.



Site Photometric Plan
SCALE: 1" = 80'
1 EP-100B



Site Photometric Plan - South
SCALE: 1" = 80'
2 EP-100B

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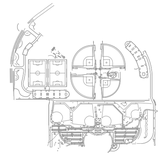
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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

	DATE	DESCRIPTION

Project Number:	223072.00
Sheet Issue Date:	2024-11-22
Drawn By:	AEI
Checked By:	HFR

Key Map



Drawing

OVERALL SITE PHOTOMETRIC PLAN - ALTERNATES

EP-100B

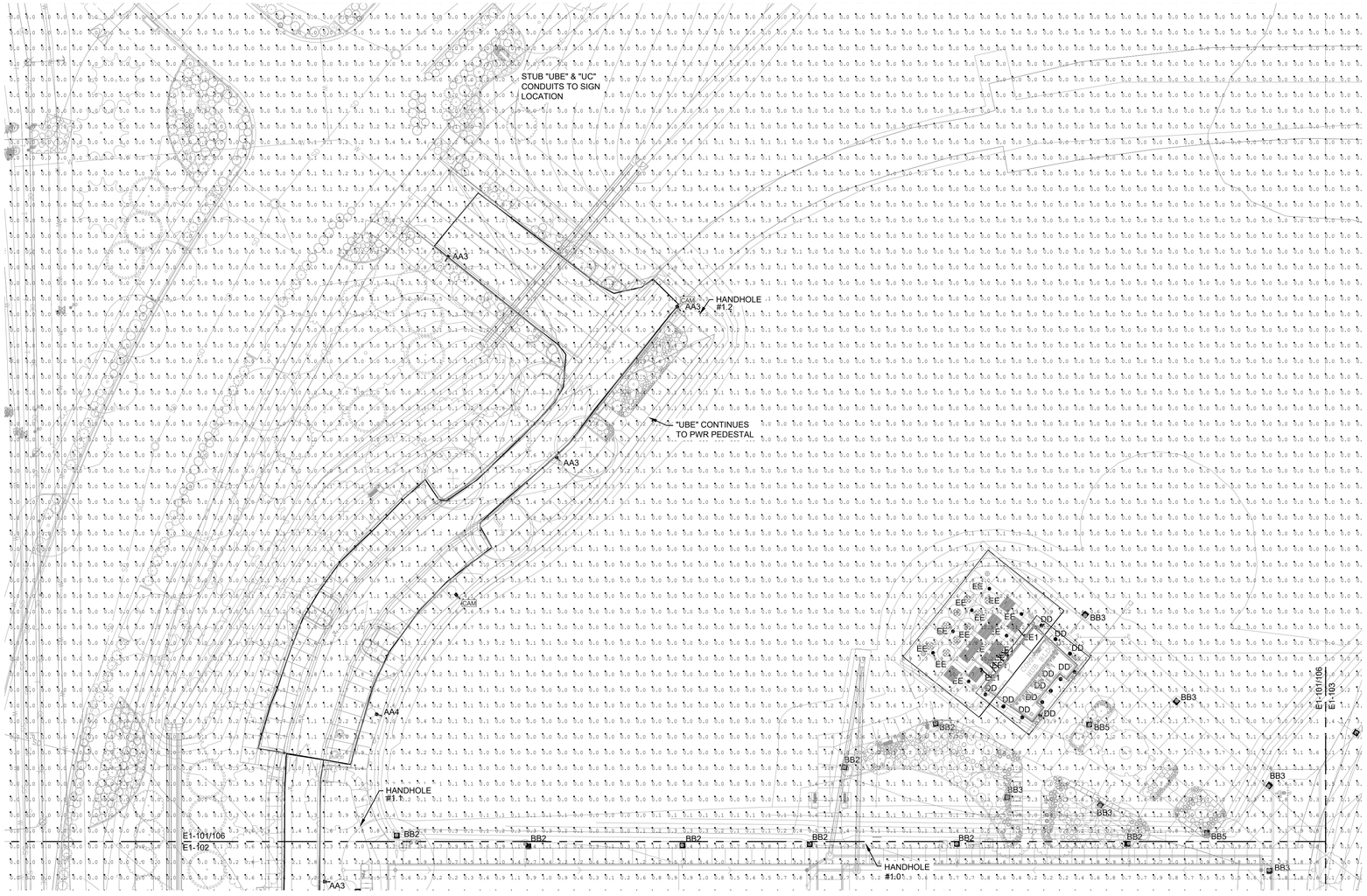
SITE PLAN SUBMITTAL

COLORADO 811
CALL 811 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR MARKING OF UNDERGROUND MEMBER UTILITIES

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THE LINE SHOWN ABOVE IS 1" WHEN PLOTTED ON ARCH D SHEETS ORIGINAL PAGE SIZE

THE SQUARES ABOVE ARE COLOR, WITH BLACK AND WHITE TOTAL 4 PRINT REPRODUCTIONS



Site Photometric Plan

SCALE: 1" = 40'

0 20 40 80 120

SCALE IN FEET

1 EP-101

Luminaire Schedule								
Project: Phase 1								
Symbol	Tag	Qty	Lum. Lumens	Lum. Watts	Mounting Height	LLF	Label	Description
	AA2	10	16617	114.2447	25	0.880	Gardco-P26-64L-600-NW-G2-2	Parking lot luminaire, LED, Type 2 Dist, Black finish
	AA3	12	16069	114.2447	25	0.880	Gardco-P26-64L-600-NW-G2-3	Parking lot luminaire, LED, Type 3 Dist, Black finish
	AA4	26	16670	114.2447	25	0.880	Gardco-P26-64L-600-NW-G2-4	Parking lot luminaire, LED, Type 4 Dist, Black finish
	BB2	42	3741	34.1	14	0.880	AAL-PROV2-36L-295-4K7-2	Pedestrian luminaire, post top mount, LED, Type 2 Dist, Black finish
	BB3	26	3611	34.1	14	0.880	AAL-PROV2-36L-295-4K7-3	Pedestrian luminaire, post top mount, LED, Type 3 Dist, Black finish
	BB4	1	3642	34.1	14	0.880	AAL-PROV2-36L-295-4K7-4W	Pedestrian luminaire, post top mount, LED, Type 4 Dist, Black finish
	BB5	8	3671	34.1	14	0.880	AAL-PROV2-36L-295-4K7-5W	Pedestrian luminaire, post top mount, LED, Type 5 Dist, Black finish
	CC	9	10401	74.35753	20	0.880	Gardco-P26-48L-500-NW-G2-3	Area luminaire, mounted to sport poles, Type 3 Dist, Black finish
	DD	28	1545	19.3854	9.5, 10, 10.2, 10.25, 10.5, 11.5, 12, 12.75, 13, 13.5, 14.25, 14.5, 16, 16.8	0.880	Luminaire LED-VRDL4 1500LM MD 40K 80CRI CPL	Recessed LED downlight, 4in aperture, Black trim
	EE	12	3576	34.2436	22, 23, 24	0.880	BK Ltg-HU-LED-TR-X116-FL-WHP-9-C-1-INC-120-4000K	Canopy mounted, adjustable LED flood light, Black finish
	EE1	6	395	19.85	22	0.880	HK Ltg-ZXL16-IP	Canopy Mounted adjustable signage luminaire, Black finish
	FF	6	1873	21	0.5	0.880	Current-LTV82FF-SP-18L4K	Ground mounted flag pole light, spot dist
	HH	2	2009	16.1	0.5	0.880	Current-LSP-LSCS-2000LM-4000K	Ground Mounted Sign Light, LED, Bronze finish
	KK(3')	3	531	10.23	12.5	0.880	Cole Ltg-SL-36-LED-LED	Wall mounted sign light, Black finish

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
North Site	Illuminance	Fc	0.32	14.5	0.0	N.A.	N.A.
South Site	Illuminance	Fc	0.18	6.1	0.0	N.A.	N.A.
Parking Lot & Drive NW	Illuminance	Fc	1.45	3.5	0.5	2.90	7.00
Parking Lot NE	Illuminance	Fc	1.57	4.3	0.3	5.23	14.33
Parking Lot SW	Illuminance	Fc	1.73	4.0	1.0	1.73	4.00
South Drive	Illuminance	Fc	1.95	5.5	0.5	3.90	11.00
South Walk	Illuminance	Fc	1.65	3.4	0.7	2.36	4.86
West Drive	Illuminance	Fc	1.58	3.6	0.6	2.63	6.00

All site light poles and luminaire heads will be black or bronze, except for the sports lighting poles. Sports light poles will be the manufacturer's standard gray.

PHOTOMETRIC PLAN GENERAL NOTES

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Site Lumens per Site Area

	Sq Ft			
North Site Area	3,291,294	General Site:	0.39	Lumens/Sq Ft
South Site Area	42,744	With Sports Lights:	7.50	Lumens/Sq Ft
Total	3,334,038 Sq Ft			

Specified Luminaires:

Luminaire Type	Lumens	Qnty Lts	Total Lumens
AA2	16617	10	166,170
AA3	16069	12	192,828
AA4	16670	26	433,420
BB2	3741	42	157,122
BB3	3611	26	93,886
BB4	3642	1	3,642
BB5	3671	8	29,368
CC	10401	9	93,609
DD	1545	28	43,260
EE	3576	9	32,184
EE1	3500	5	17,500
FF	1911	6	11,466
HH	2000	2	4,000
KK	4000	2	8,000
Total:			1,286,455

Baseball Field Lighting

Luminaire Type	Total Lumens
A1	606,000.00
A2	606,000.00
B1	808,000.00
B2	808,000.00
C1	358,000.00
C2	358,000.00
A3	606,000.00
A4	952,000.00
B3	952,000.00
B4	952,000.00
C3	854,000.00
C4	854,000.00
A5	606,000.00
A6	606,000.00
B5	952,000.00
B6	952,000.00
C5	854,000.00
C6	854,000.00
A7	410,000.00
A8	410,000.00
B7	560,000.00
B8	560,000.00
C7	514,000.00
C8	514,000.00
Total	16,506,000.00

Multipurpose Fields

Luminaire Type	Total Lumens
S1	1,800,000.00
S2	900,000.00
S3	900,000.00
S4	1,800,000.00
S5	900,000.00
S6	900,000.00
Total	7,200,000.00

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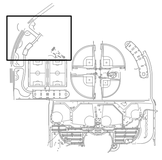
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Key Map



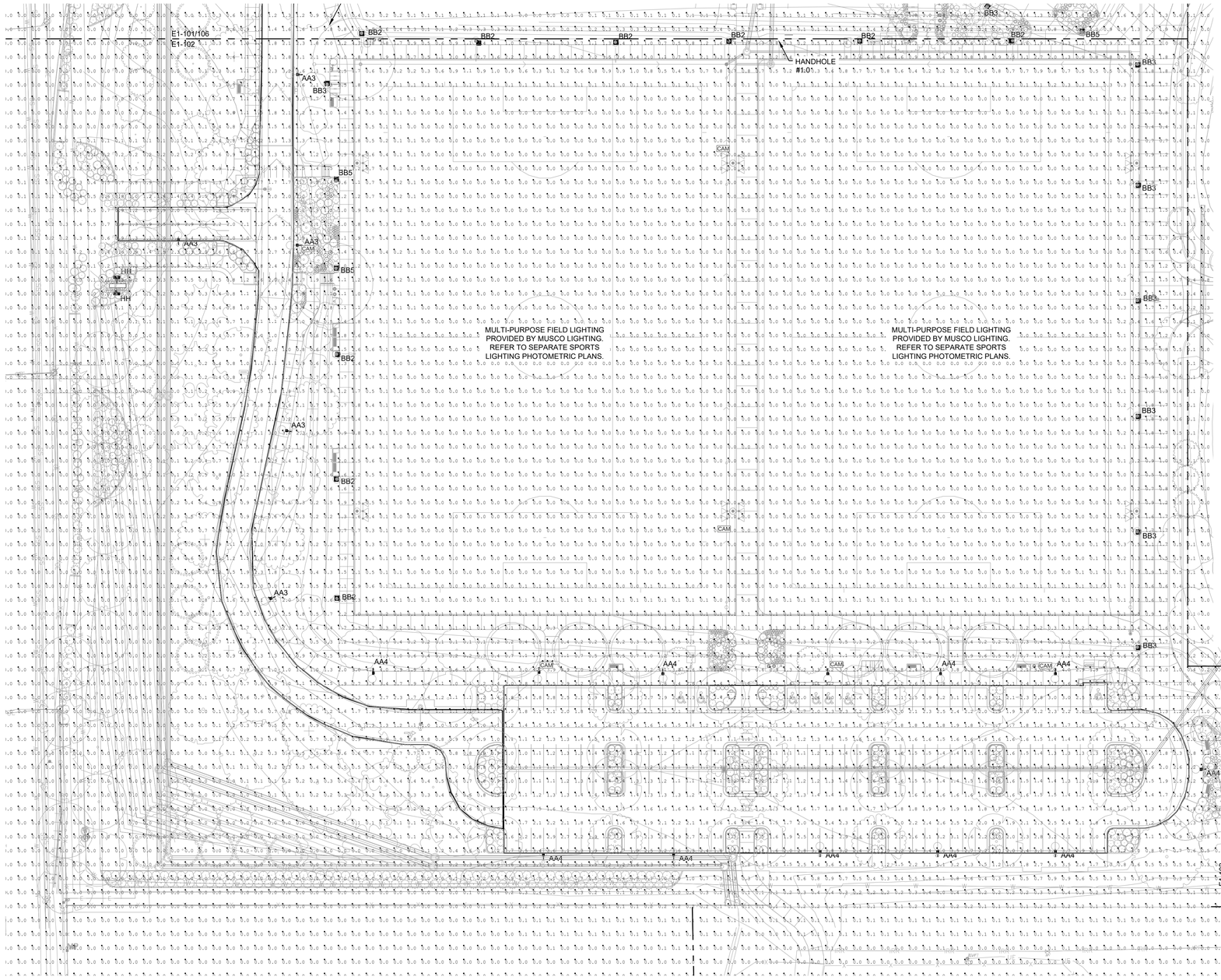
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SITE PHOTOMETRIC PLAN

EP-101

SITE PLAN SUBMITTAL
Page 305 of 311

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Site Photometric Plan

SCALE: 1" = 40'

0 20 40 80 120

SCALE IN FEET

1
EP-102

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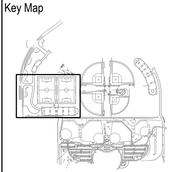
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SITE PHOTOMETRIC PLAN

EP-102

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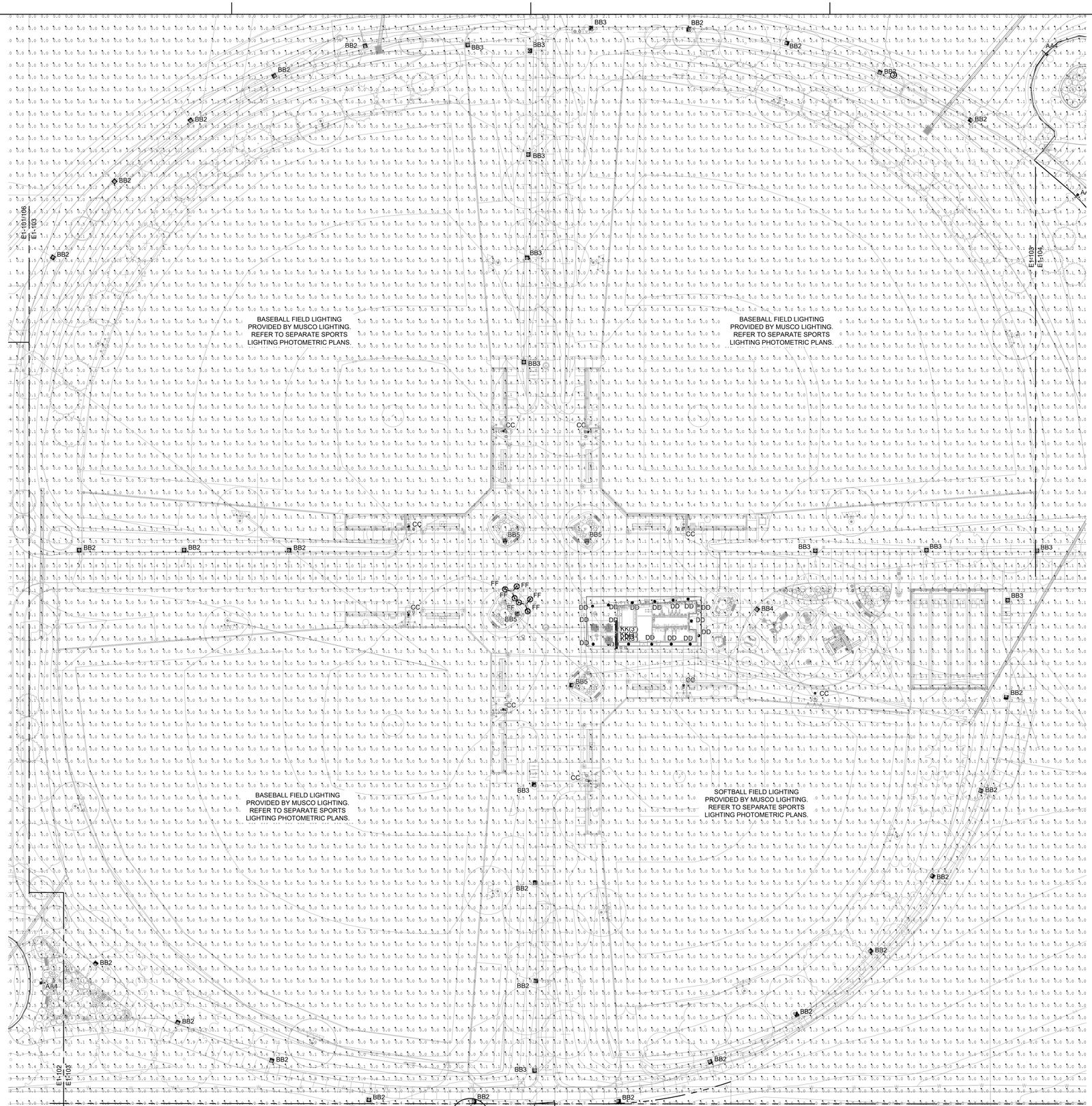
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THE SQUARES ABOVE ARE COLOR, WITH BLACK AND WHITE TO FOLLOW PRINTED CORRECTLY

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Site Photometric Plan
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1
EP-103

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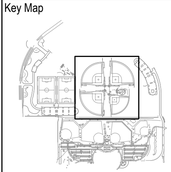
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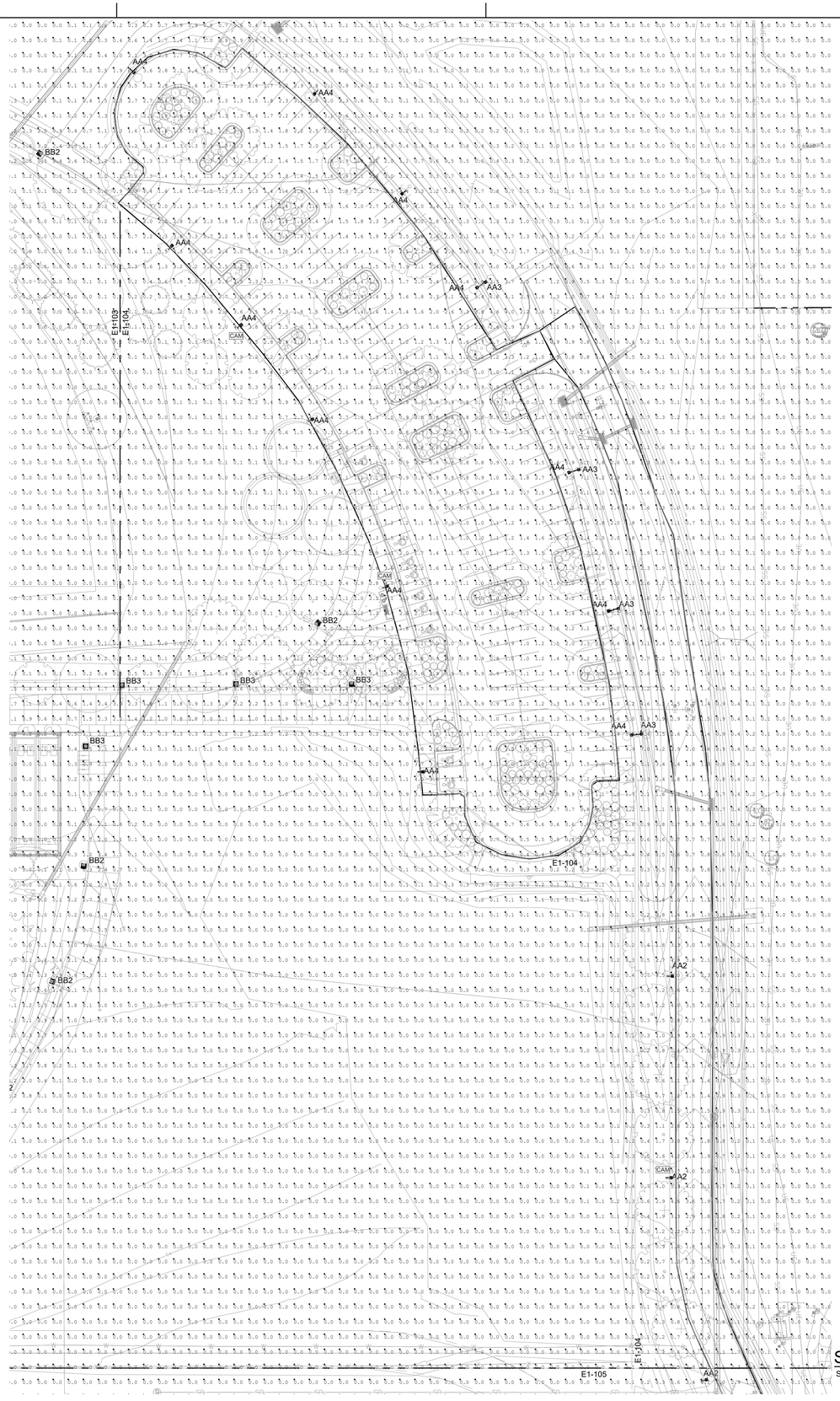
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SITE PHOTOMETRIC PLAN

EP-103

SITE PLAN SUBMITTAL
Page 307 of 311

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Site Photometric Plan
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0 20 40 80 120
SCALE IN FEET

1
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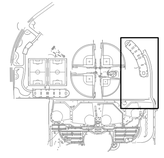
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Key Map



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SITE PHOTOMETRIC PLAN

EP-104

SITE PLAN SUBMITTAL
Page 308 of 311

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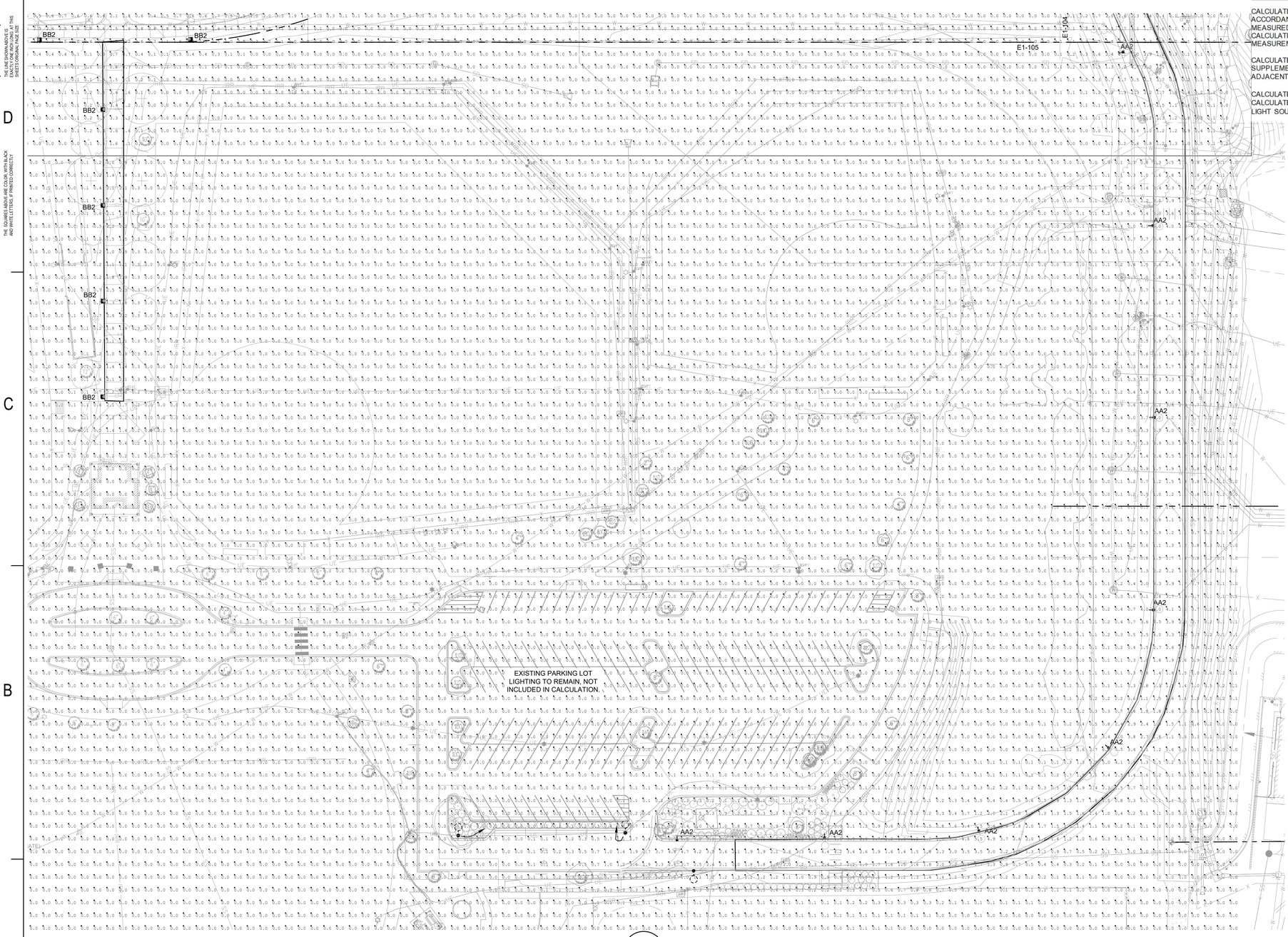
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SCALE IN FEET

1
EP-105

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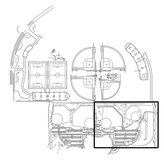
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Key Map



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SITE PHOTOMETRIC PLAN

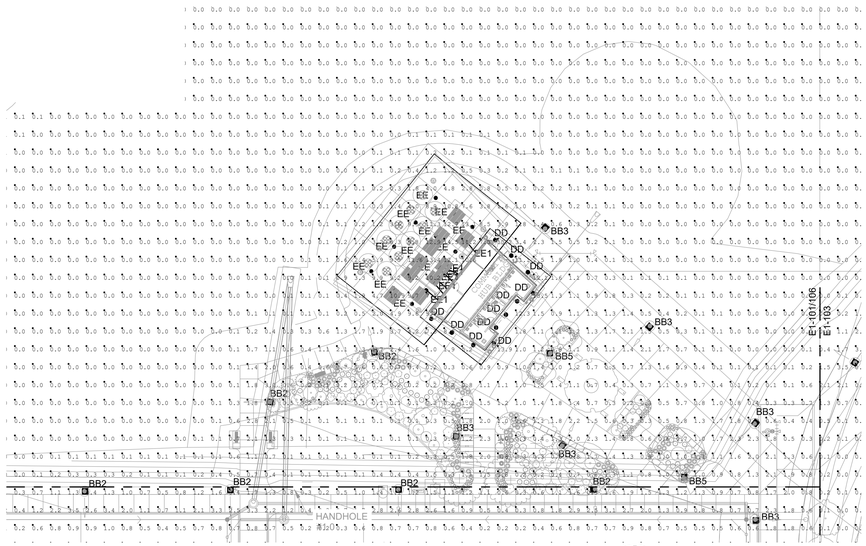
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Site Photometric Plan - Alternate No. 01 - HUB Bldg

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SCALE IN FEET

1
EP-106

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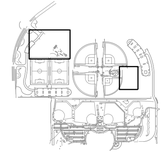
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Key Map



Drawing

SITE PHOTOMETRIC PLAN - ALTERNATES

EP-106

SITE PLAN SUBMITTAL

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TYPE AA2, AA3, AA4: PARKING LOT AND DRIVE LUMINAIRES:
SINGLE OR DOUBLE HEAD MOUNTING, 115W PER HEAD, 4000K, 22.5' TALL POLE ON 2.5' CONCRETE BASE.
TYPE AA2 = TYPE 2 DIST, 16600 LUMENS; TYPE AA3 = TYPE 3 DIST, 16070 LUMENS; TYPE AA4 = TYPE 4 DIST, 16670 LUMENS.

GARDCO

Site & Area

PureForm

P26 medium area light



Type AA# Series

Gardco PureForm LED area medium P26 features a sleek, low profile design and optimal performance. PureForm area medium is designed to achieve maximum pole spacing, with lumen output up to 28,900 lumens. Multiple distribution and shielding options are available to achieve maximum control. A full range of control options provides additional energy savings.

Project:
Location:
Cat.No:
Type:
Lumens: Qty:
Notes:

Ordering guide

Example: P26-64L-800-NW-G2-AR-3-120-HIS-MGY

Prefix	Number of LEDs	Drive Current	LED Color - Generation	Mounting	Distribution	Voltage
P26						
P26 PureForm area medium, 26"	48L 48 LEDs (3 modules)	400 400mA	WW-G2 Warm White 3000K, 70 CRI Generation 2	AR Arm Mount (standard)[2]	Type 2 2 Type 2 2-90 Rotated at 90° 2-270 Rotated at 270°	Type 5 5 Type 5 5W Type 5W
		500 500mA				
		600 600mA	NW-G2 Neutral White 4000K, 70 CRI Generation 2	The following mounting kits must be ordered separately (See accessories)		AFB Auto Front Row
		700 700mA				AFB-90 Auto Front Row, rotated at 90°
	64L 64 LEDs (4 modules)	600 600mA	CW-G2 Cool White 5000K, 70 CRI Generation 2		Type 3 3 Type 3 3-90 Rotated at 90° 3-270 Rotated at 270°	AFB-270 Auto Front Row, rotated at 270°
		700 700mA		SF Slip Fitter Mount[1] (Fits to 2¼" O.D. tenon)		BLC Back Light Control
		800 800mA	WY-G2 Warm Yellow 2700K, 80 CRI Generation 2		Type 4 4 Type 4 4-90 Rotated at 90° 4-270 Rotated at 270°	BLC-90 Back Light Control rotated at 90°
	80L 80 LEDs (5 modules)	700 700mA	BW-G2 Balanced White 3500K 80CRI Generation 2[1]	WS Wall mount with surface conduit rear entry permitted		BLC-270 Back Light Control rotated at 270°
		800 800mA				
		900 900mA	AM-G2 Direct Amber (590nm) Generation 2[1,4]	RAM Retrofit: are mount kit[1]		

Voltage: 120 120V; 208 208V; 240 240V; 277 277V; 347 347V; 480 480V; UNV 120-277V (50/60Hz); HVU 347-480V (50/60Hz)

TYPE BB2, BB3, BB5: PARK PEDESTRIAN LUMINAIRES:
POST TOP MOUNTING, 35W PER HEAD, 4000K, LUMINAIRE HEAD MOUNTED ON A 12' TALL POLE, ~14' OVERALL POLE HEIGHT ABOVE GRADE.
TYPE BB2 = TYPE 2 DIST, 3740 LUMENS, TYPE BB3 = TYPE 3 DIST, 3600 LUMENS, TYPE BB5 = TYPE 5W DIST, 3670 LUMENS.

Type BB#

DATE: LOCATION:
TYPE: PROJECT:
CATALOG #:

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PROV2

ARCHITECTURAL AREA/SITE

PROVIDENCE®



FEATURES

- Reliable, uniform, glare free illumination
- Types 1, 2, 3, 4W, 5Q, and 5W distributions
- Amber, 3000K, 4000K, 5000K CCT
- 0-10V dimming ready
- Integral Surge protection: 10k in parallel, 20k in series
- Upgrade Kits



	WEIGHT	EPA
PROV2	29 lbs / 13.15 kg	1.33

architectural arealighting

PROV2

ARCHITECTURAL AREA/SITE

DATE: LOCATION:
TYPE: PROJECT:
CATALOG #:

ORDERING GUIDE

Example: PROV2-36L-325-3K7-4W-BL-SLA1-DF-HS-AD5-UNV

CATALOG #

ORDERING GUIDE

HOUSING

Housing	LED Quantity	Lumen output	CCT/CRI	Distribution	Finish
PROV2					
PROV2 Providence Medium 2.0	36L 36 LED	295 456mA Microcore Equivalent	AMB Amber-595nm Peak[1]	1 Type I	BLS Black Gloss Smooth
		325 325mA, 4500 Lumens	3K7 3000K, 70 CRI	2 Type II	BLT Black Matte Textured
		510 510mA, 6500 Lumens	4K7 4000K, 70 CRI	3 Type III	DBS Dark Bronze Gloss Smooth
		525 700mA Microcore Equivalent	5K7 5000K, 70 CRI	4W Type IV Wide	DBT Dark Bronze Matte Textured
		615 615mA, 7500 Lumens	Contact factory for options listed below	5Q Type V Square	GTT Graphite Matte Textured
			27K8 2700K, 80 CRI	5W Type V Wide	LGS Light Grey Gloss Smooth
			80 or 90 CRI for standard color temperatures		LGT Light Grey Matte Textured
					PSS Platinum Silver Gloss Smooth
					VGT Verde Green Matte Textured
					WHS White Gloss Smooth
					WHT White Matte Textured
					Color Option
					CC[4] Custom Color

Mounting	Optional Lens	Options	Mounting Options	Voltage
Pole Mount	CL Clear Lens	HS House Side Shield[4,5]	AD5 Adaptor 5" OD Pole	UNV 120-277V
STND_MNT[3] Standard Mount	DL Diffused Lens[2]	PFN Brass Colored Finish	PCA-C Photocontrol Adaptor Contemporary	
PT23 2 3/8" tenon		SPK Cast Spikes	PCA-T Rotatable photocell housing. The housing slips over a 4"/100mm o.d. pole.a fixture slips over the 4"/100mm O.D. tenon Includes an internal twist	
PT3 3" tenon		BPS Brass Colored Shafts		
PT4 4" tenon		SF Single Fuse (120, 277)		

TYPE CC: SPORT POLE MOUNTED AREA LUMINAIRE:
TYPE 3 DISTRIBUTION; SINGLE ARM MOUNT TO BACKSIDE OF SPORT POLES, 74W, 4000K, 10400 LUMENS, 20' MOUNTING HEIGHT ABOVE GRADE

GARDCO

Site & Area

PureForm

P26 medium area light



Type CC Series

Gardco PureForm LED area medium P26 features a sleek, low profile design and optimal performance. PureForm area medium is designed to achieve maximum pole spacing, with lumen output up to 28,900 lumens. Multiple distribution and shielding options are available to achieve maximum control. A full range of control options provides additional energy savings.

Project:
Location:
Cat.No:
Type:
Lumens: Qty:
Notes:

Ordering guide

Example: P26-64L-800-NW-G2-AR-3-120-HIS-MGY

Prefix	Number of LEDs	Drive Current	LED Color - Generation	Mounting	Distribution	Voltage
P26						
P26 PureForm area medium, 26"	48L 48 LEDs (3 modules)	400 400mA	WW-G2 Warm White 3000K, 70 CRI Generation 2	AR Arm Mount (standard)[2]	Type 2 2 Type 2 2-90 Rotated at 90° 2-270 Rotated at 270°	Type 5 5 Type 5 5W Type 5W
		500 500mA				
		600 600mA	NW-G2 Neutral White 4000K, 70 CRI Generation 2	The following mounting kits must be ordered separately (See accessories)		AFB Auto Front Row
		700 700mA				AFB-90 Auto Front Row, rotated at 90°
	64L 64 LEDs (4 modules)	600 600mA	CW-G2 Cool White 5000K, 70 CRI Generation 2		Type 3 3 Type 3 3-90 Rotated at 90° 3-270 Rotated at 270°	AFB-270 Auto Front Row, rotated at 270°
		700 700mA		SF Slip Fitter Mount[1] (Fits to 2¼" O.D. tenon)		BLC Back Light Control
		800 800mA	WY-G2 Warm Yellow 2700K, 80 CRI Generation 2[1]		Type 4 4 Type 4 4-90 Rotated at 90° 4-270 Rotated at 270°	BLC-90 Back Light Control rotated at 90°
	80L 80 LEDs (5 modules)	700 700mA	BW-G2 Balanced White 3500K 80CRI Generation 2[1]	WS Wall mount with surface conduit rear entry permitted		BLC-270 Back Light Control rotated at 270°
		800 800mA				
		900 900mA	AM-G2 Direct Amber (590nm) Generation 2[1,4]	RAM Retrofit: are mount kit[1]		

Voltage: 120 120V; 208 208V; 240 240V; 277 277V; 347 347V; 480 480V; UNV 120-277V (50/60Hz); HVU 347-480V (50/60Hz)

TYPE DD: EXTERIOR BUILDING LUMINAIRES:
RECESSED LED DOWNLIGHT, VANDAL RESISTANT, REGRESSED LENS, 11W LED, 4000K.
HEADQUARTERS BUILDING: MOUNTING HEIGHT VARIES WITH BUILDING ROOF SLOPE, FROM ~9.5' TO ~16' ABOVE GRADE.
ALTERNATE HUB BUILDING: MOUNTING HEIGHT VARIES WITH BUILDING ROOF SLOPE, FROM ~9.5' TO ~14' ABOVE GRADE.



VRDL4

Type DD

Vandal Resistant

VRDL4 Series STWH

Fixture Type: Date:
Job Name: Approved By:
Catalog Number:

66 IP RATED; DLC LISTED; IK10; NSF; cULus; BAA; BABA

SPECIFICATIONS

Description	The VRDL recessed downlight features a ligature-resistant construction suitable for behavioral institutions and vandal-prone areas.
Lens	Impact resistant polycarbonate lens with 0.25" nominal thickness. Available with patent pending flangled or flangeless (GB) trim. If IP66 rating is required, no-pick caulk (or vandal resistant equivalent caulk) is recommended. See Installation Instructions for more detail. Lens and trim secured with tamper resistant center pin reject TORX fasteners to prevent intrusion and mitigate ligature.
LED Drivers	Factory tuned constant current electronic dimming driver is standard. Flicker free dimming available down to <1%. Electrical specifications, PF >.9 and THD <20%. Meets FCC Title 47 Class A or Class B. Other available drivers include Lutron and DALI protocol drivers.
LED	Static white in 1800K, 2700K, 3000K, 3500K, 4000K, or 5000K in either 80CRI or 90CRI standard. Optional RED LED. All LED within a 2.5 step MacAdam ellipse.
Controls and System Networking Options	Optional integrated nLight® controls make each fixture addressable - allowing it to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors, and photocontrols. Connection to nLight is simple. It can be accomplished with remote nLight AIR wireless or through standard Cat-5 cabling, (cabling "by others") nLight offers unique plug-and-play convenience as devices and luminaires automatically discover each other, while nLight AIR is commissioned easily through an intuitive mobile app.
Listing	CSA certified to meet U.S. and Canadian standards (UL1598 and UL8750) and CAN/CSA C22.2 No. 250.0. Standard is wet location and IP66 @ IK10. Certified for NSF Splash Zone 2 with AMF and BSS finish. Non-IC rated.
Government Procurement	**BAA – Buy America(n) Act:** Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations. **BABA – Build America Buy America:** Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act. Please refer to www.acuitybrands.com/buy-american for additional information.
Warranty	Lifetime warranty against vandalism. Luminaire LED will repair or replace any fixture damaged due to vandalism for the lifetime of the installation. 10-year warranty on LED boards against operational defects. Tested in accordance with LM-80. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed.
Note	Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

ORDERING INFORMATION

Example: VRDL4 MIN1 ZT 1500LM MD 40K 90CRI 120 CAL BLK

Series*	Mounting*	Driver*	Control Input*	Lumens*	Distribution*
VRDL4 Vandal Resistant 4" Recessed Downlight Luminaire	<BLANK> If used with Flanged or Grid	MIN1 Constant Current, Dimming to 1%	ZT 0-10V Dimming	<BLANK> When Selecting RED	MD Medium (1.0 s/mh)
	GB[1] Gypsum Board (Sheetrock)	DARK[2] Constant Current, Dimming to <1%	DALI DALI	1000LM 1000 lumens	WD Wide (1.2 s/mh)
			ECOS[1] Lutron Ecosystem	1500LM 1500 lumens	
			NLIGHT[4,5,7,10] nLight Enabled	2000LM 2000 lumens	
			NLTAIR2[4,7,10] nLight Air 2 Wireless Enabled	2500LM 2500 lumens	
				3000LM[3,6] 3000 lumens	

CCT*	CRI*	Voltage*	Lens*	Finish*
18K[1] 1800K	<BLANK> When Selecting RED	120 120 Volt	CPL Clear Polycarbonate	AMF White Antimicrobial Finish
27K 2700K	80CRI 80 CRI	277 277 Volt	CAL Clear Acrylic	BLK Black
30K 3000K	90CRI 90 CRI	347[1,7,9] 347 Volt		BSS Brushed Stainless Steel
35K 3500K		MVOLT 120-277 Volt		BRZ Bronze
40K 4000K				SIL Silver
50K 5000K				CUST Custom Color, Consult Factory
RED[1,8] Red				RALTBD RALTBD
				RALTBD for pricing only. Replace with applicable RAL call out when ready to order. See the RAL BROCHURE for available options.

Emergency	Territory Compliance
EMB310T20[1,4,7,10] Self contained, 90 minute emergency battery pack. 0°C (32°F) to 55°C (131°F). Meets CA Title 20 standards	CP[1] Chicago Plenum

Fusing	EMI Filter	Controls	Mounting Hardware	Visible Hardware[11]
GLR[1] Fuse and Fuse Holder	RFI[1,7] Radio Frequency Interference Filter	GTD[1,4,10] Integral Generator Transfer Device	<BLANK> For Ceilings up to 1 1/4" thick	<BLANK> TORX® Screws to Match Luminaire Finish
			CTA Ceiling Thickness Adapter	

*Required

TYPE EE: ALTERNATE: HUB BUILDING CANOPY LUMINAIRE:
SURFACE MOUNTED ADJUSTABLE LED FLOOD LIGHT, 35W, 3575 LUMENS, FLOOD. MOUNTING HEIGHT VARIES FROM ~22' TO ~25' ABOVE FINISHED GRADE.

HUME LED

IP66 RATED

DATE: PROJECT: TYPE:

CATALOG NUMBER LOGIC:



*120V only

CATALOG NUMBER LOGIC
Example: HU - LED - TR - x113 - FL - BLP - 12 - 11 - A - 2 - INC - MT

MATERIAL
Aluminum

SERIES
HU - Hume Floodlight

SOURCE
LED - Cold Phosphor Technology

HOUSING
TR - Integral Driver

LED TYPE

Available with Narrow Spot Optic	Available with NFL, FL, and WFL Optics
x105 - 36W/2.7K/80CRI	x109 - 36W/2.7K/90CRI
x106 - 36W/3K/80CRI	x110 - 36W/3K/90CRI
x107 - 36W/3.5K/80CRI	x111 - 36W/3.5K/90CRI
x108 - 36W/4K/80CRI	x112 - 36W/4k/90CRI
x113 - 34W/2.7K/80CRI	x117 - 34W/2.7K/90CRI
x114 - 34W/3K/80CRI	x118 - 34W/3K/90CRI
x115 - 34W/3.5K/80CRI	x119 - 34W/3.5K/90CRI
x116 - 34W/4K/80CRI	x120 - 34W/4K/90CRI

OPTICS
NSP - Narrow Spot (11°) NFL - Narrow Flood (25°) FL - Flood (43°) WFL - Wide Flood (56°)

FINISH (See page 2 for full-color swatches)
Standard Finishes (BZP, BZW, BLP, BLW, WHP, WHW, SAP, VER)
Premium Finish (ABP, AMG, AQW, BCM, BGE, BPP, CAP, CMG, CRM, HUG, NBP, OCP, RMG, SDS, SMG, TXF, WCP, WIR)
Also available in RAL Finishes

LENS TYPE
9 - Clear (Standard) 12 - Soft Focus 13 - Rectilinear

SHIELDING
11 - Honeycomb Baffle

CAP STYLE
A - 45°
B - 90°
C - Flush
D - 45° Less Weep Hole (Downward Aiming Only)
E - 90° Less Weep Hole (Downward Aiming Only)

KNUCKLE OPTIONS
1 - Rear Knuckle 2 - Side Knuckle

CONTROL TYPE
ELV - Dimming Driver (For use with Electronic Low Voltage Dimmer)*
INC - Dimming Driver (For use with Incandescent Dimmer)*
010 - 0-10V Dimming Driver (Dimming 1 - 100%)

INPUT VOLTAGE
MT - 120-277 VAC

OPTIONS
TE - Tamper-Resistant

B-K LIGHTING | MADE IN THE USA | 559.438.5800 | INFO@BKLIGHTING.COM | BKLIGHTING.COM

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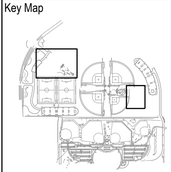
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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

	DATE	DESCRIPTION

Project Number: 223072.00
Sheet Issue Date: 2024-11-22
Drawn By: AEI
Checked By: HFR

Key Map



Drawing

SITE PHOTOMETRIC LUMINAIRE SPECIFICATIONS

EP-107

SITE PLAN SUBMITTAL
Page 311 of 311

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