

O'Reilly AUTO PARTS

O'REILLY AUTO PARTS PARKER, CO (PK2)

LOT 1 OF PARKER POINTE SUBDIVISION FILING NO 1

LOCATED IN THE NORTHEAST 1/4 SECTION OF SECTION 3, TOWNSHIP 7 SOUTH, RANGE 66 WEST, OF THE 6TH P.M.,
TOWN OF PAKER, COUNTY OF DOUGLAS, STATE OF COLORADO

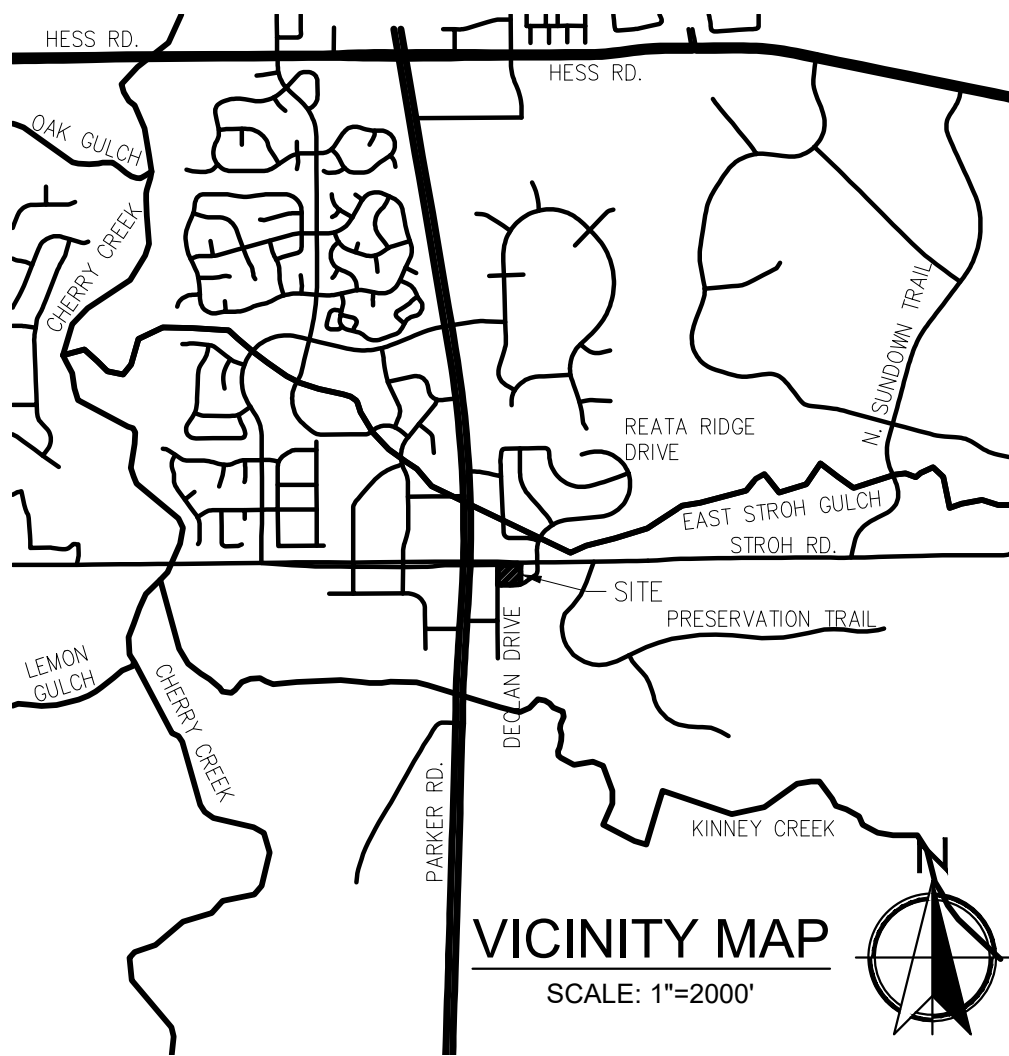
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SHEET INDEX

CT1.3	SITE PLAN COVER SHEET
C2.1	SITE DEVELOPMENT PLAN
C2.2	SITE DETAILS
C2.3	REFUSE ENCLOSURE
L1.0	LANDSCAPE PLAN
L1.5	LANDSCAPE DETAILS
L2.0	IRRIGATION PLAN
L2.5	IRRIGATION DETAILS
SP1	SITE LIGHTING PHOTOMETRICS
SP2	SITE LIGHTING DETAILS
SP3	SITE LIGHTING DETAILS
A2.1	EXTERIOR ELEVATIONS
CE1	COLOR ELEVATIONS

LAND USE SUMMARY

LOT AREA	0.999 AC / 43,516 SF
PROPOSED USE	MIXED-USE COMMUNITY
DWELLING UNITS	NONE
TOTAL BUILDINGS	1
BUILDING GFA	8,000 SF

SETBACKS:	
REQUIRED	25' BUILDING SETBACK
PROVIDED	
NORTH PROPERTY LINE	25.4' MIN
EAST PROPERTY LINE	58.8' MIN
SOUTH PROPERTY LINE	89.8' MIN
WEST PROPERTY LINE	51.4' MIN

PARKING:	
CALCULATION	1 SPACE PER 300 SF GFA
TOTAL REQUIRED	27
TOTAL PROVIDED	27
ACCESSIBLE REQUIRED	2
ACCESSIBLE PROVIDED	2
BICYCLE PARKING:	
CALCULATION	2 PER 10,000 SF GFA
REQUIRED	2
PROVIDED	2

LANDSCAPE:	
REQUIRED	
PERCENTAGE	15%
AREA	6,527 SF
PROVIDED	
PERCENTAGE	26.8%
AREA	11,655 SF

NOTE TO CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES, PIPES, AND/OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THERE MAY BE EXISTING UTILITIES NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL ASCERTAIN THE TRUE VERTICAL AND HORIZONTAL LOCATION OF THOSE UNDERGROUND UTILITIES TO BE USED PRIOR TO CONSTRUCTION AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ANY PUBLIC OR PRIVATE UTILITIES, SHOWN OR NOT SHOWN HEREON.

OWNER AND DEVELOPER



O'REILLY AUTO ENTERPRISES, LLC
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
417-862-2674 PHONE

BIDDING INFORMATION:
REFER TO OWNER'S WEB SITE:
HTTP://WWW.O'REILLYPLANROOM.COM

NOTE: REFER TO CURRENT PROJECTS LIST,
LOCATED AT BOTTOM OF SIGN IN PAGE, FOR INVITED
GENERAL CONTRACTORS.

ALL SUB-CONTRACTOR BIDS TO BE SUBMITTED TO
INVITED GENERAL CONTRACTORS ONLY.

CONTACT OWNER'S DESIGNATED REPRESENTATIVE
FOR ADDITIONAL PROJECT INFORMATION.

CIVIL ENGINEER



ABBREVIATIONS

BACK OF CURB	BC	FLOW LINE	FL
BOTTOM OF PIPE	BOP	FINISHED SURFACE	FS
CURB FACE	CF	INVERT	INV
EXPOSED FOUNDATION	EF	SIDEWALK	SW
EXISTING GROUND	EG	TOP OF CURB	TC
EXISTING SURFACE	ES	TOP OF GRATE	TOG
EXISTING FLOOR	FF	TOP OF PIPE	TOP

GENERAL NOTES

A. **CONTRACT ADMINISTRATION (LIMITED SERVICE):** THE ARCHITECT AND/OR ENGINEER OF RECORD INDICATED HEREIN ARE PROVIDING A LIMITED SERVICE AND NOT PROVIDING CONTRACT ADMINISTRATION SERVICES FOR THIS PROJECT WHICH IS THE RESPONSIBILITY OF OTHERS. THE ARCHITECT AND/OR ENGINEER ARE NOT RESPONSIBLE FOR FIELD ACTIVITIES ON THIS PROJECT WITHOUT DIRECT INSPECTION OF THE WORK IN PROGRESS. IF FIELD CONDITIONS ARE UNCOVERED THAT REQUIRE A CHANGE OR ADDITIONAL INFORMATION, THE ARCHITECT AND/OR ENGINEER DOES NOT DELEGATE AUTHORITY TO ANYONE ELSE FOR DETERMINING THE MEANING OF PLANS OR SPECIFICATIONS AS AUTHENTICATED HEREIN.

B. **QUALITY STANDARDS AND BUILDING CODES:** CONTRACTORS SHALL BE RESPONSIBLE FOR KNOWING THE QUALITY AND PUBLIC SAFETY REGULATIONS SET FORTH IN THE GOVERNING CODES AND OTHER APPLICABLE REGULATIONS OF LOCAL AND STATE AGENCIES HAVING JURISDICTION WHICH GOVERN EACH CONTRACTOR'S WORK.

C. **EXISTING CONDITIONS:** FIELD VERIFY EXISTING CONDITIONS BY DETAILED INSPECTION PRIOR TO SUBMITTING BID AND BEGINNING WORK. NOTIFY THE ARCHITECT AND/OR ENGINEER OF RECORD IF EXISTING CONDITIONS DEVIATE SUBSTANTIALLY FROM THOSE INDICATED HEREIN.

QUALITY CONTROL

- REFER TO PROJECT MANUAL, SECTION 01 45 16 - QUALITY CONTROL PROCEDURES, FOR ADDITIONAL REQUIREMENTS.
- REFER TO STRUCTURAL DRAWINGS FOR SCHEDULE OF SPECIAL INSPECTIONS, IF INDICATED.
- WHERE REQUIRED, THE OWNER SHALL PROVIDE THE SERVICES OF AN INDEPENDENT TESTING LABORATORY TO PERFORM TESTING AND SPECIAL INSPECTIONS INDICATED.

CAUTION:
INFORMATION ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.



**Know what's below
Call before you dig.**

BENCHMARK

DOUGLAS COUNTY BENCHMARK 1.060032, EL=5,903.17 FEET (NAVD88) - 3 1/4" INCH ALUMINUM CAP (DOUGLAS COUNTY GIS SECONDARY CONTROL MONUMENT 1.060032) AT THE SOUTHEAST CORNER OF THE PARKING LOT OF STROH RANCH SOCCER FIELDS, ON THE NORTH SIDE OF STROH RD, EAST OF THE INTERSECTION OF STORH ROAD AND N. MOTSENBOCKER ROAD, CITY OF PARKER, COLORADO.

UNAUTHORIZED CHANGES & USES

THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES OF THESE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS PRIOR TO CONSTRUCTION. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

BASIS OF BEARING

BEARINGS SHOWN HEREON ARE BASED ON THE NORTHERLY LINE OF THE NORTHEAST QUARTER OF SECTION 3, TOWNSHIP 7 SOUTH, RANGE 66 WEST OF THE 6TH P.M., MONUMENTED AS SHOWN ON THIS SURVEY PLAT AS BEARING NORTH 89°33'14" EAST, WITH ALL BEARINGS CONTAINED HEREIN RELATIVE THERETO.

LEGAL DESCRIPTION

LOT 1, PARKER POINTE SUBDIVISION, FILING NO.1 ACCORDING TO THE PLAT RECORDED JANUARY 7, 2022, AT RECEPTION NO. 2022001733, COUNTY OF DOUGLAS, STATE OF COLORADO, BEING MORE PARTICULARLY DESCRIBED; AS FOLLOWS:

COMMENCING AT THE NORTHEAST CORNER OF SECTION THREE (3), TOWNSHIP SEVEN (7) SOUTH, RANGE SIXTY-SIX (66) WEST OF THE SIXTH PRINCIPAL MERIDIAN AND CONSIDERING THE NORTHERLY LINE OF THE NORTHEAST QUARTER OF SECTION 3 AS AN ASSUMED BEARING OF NORTH 89°33'14" EAST, WITH ALL BEARINGS CONTAINED HEREIN RELATIVE THERETO;

THENCE ALONG THE EASTERLY LINE OF THE NORTHEAST QUARTER OF SAID SECTION 3 SOUTH 00°09'20" EAST 33.18 FEET TO THE NORTHEAST CORNER OF LOT 1 OF PARKER POINTE SUBDIVISION, FILING NO.1, SAID POINT BEING THE POINT OF BEGINNING.

THENCE ALONG THE EASTERLY, SOUTHERLY, WESTERLY, AND NORTHERLY LINES OF SAID LOT 1 THE FOLLOWING FOUR (4) COURSES:

- SOUTH 00°09'20" EAST 193.73 FEET;
- SOUTH 89°50'40" WEST 229.86 FEET;
- NORTH 00°09'20" WEST 184.90 FEET
- NORTH 87°38'41" EAST 230.03 FEET TO THE POINT OF BEGINNING

CONTAINING 43,516 SQUARE FEET OR 0.999 ACRES MORE OR LESS.

EARTHWORK SUMMARY

ESTIMATED CUT:	661 CUBIC YARDS
ESTIMATED FILL:	495 CUBIC YARDS
ESTIMATED NET:	166 CUBIC YARDS (EXPORT)
ESTIMATED OVER-EXCAVATION:	985 CUBIC YARDS
STEEPEST PROPOSED SLOPE:	3:1
TOTAL DISTURBANCE:	35,105 SF (0.81 AC)
EXISTING IMPERVIOUS AREA:	6,754 SF (0.16 AC)
PROPOSED IMPERVIOUS AREA:	30,270 SF (0.70 AC)
AREA OF LAND DISTURBANCE:	35,105 SF (0.81 AC)
TREATED BY WATER QUALITY	
CONTROL MEASURES	

NOTE:

EARTHWORK QUANTITIES ARE CALCULATED USING AUTOCAD CIVIL 3D TO COMPARE THE DIFFERENCE BETWEEN THE EXISTING SURFACE (CREATED FROM THE SURVEY POINTS PROVIDED BY TAIT & ASSOCIATES) AND THE PROPOSED SURFACE. QUANTITIES ARE RAW NUMBERS TO BE USED FOR PERMIT PURPOSES ONLY. THESE FIGURES TO NOT INCLUDE REMEDIAL QUANTITIES, BULKING OR SHRINKAGE FACTORS. CONTRACTOR SHALL VERIFY QUANTITIES FOR CONSTRUCTION BID PURPOSES.

OVER-EXCAVATION QUANTITY ESTIMATED USING 2' OVER-EXCAVATION AT THE BUILDING FOUNDATION AND 8 INCH OVER-EXCAVATION FOR ALL OTHER PAVED SURFACES. SEE GEOTECHNICAL REPORT FOR DETAILS.

PREPARED UNDER THE SUPERVISION OF TAIT & ASSOCIATES, INC.

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PE 65775
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SINCE 1984

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SANTA ANA SACRAMENTO DENVER
SAN LUIS OBISPO RIVERSIDE BOISE

LOT 1 PARKER POINTE SUBDIVISION FILING 1

PROJECT:
NEW O'REILLY AUTO PARTS STORE
13111 REATA RIDGE DRIVE
PARKER, CO #2

SITE PLAN COVER SHEET

O'Reilly AUTO PARTS

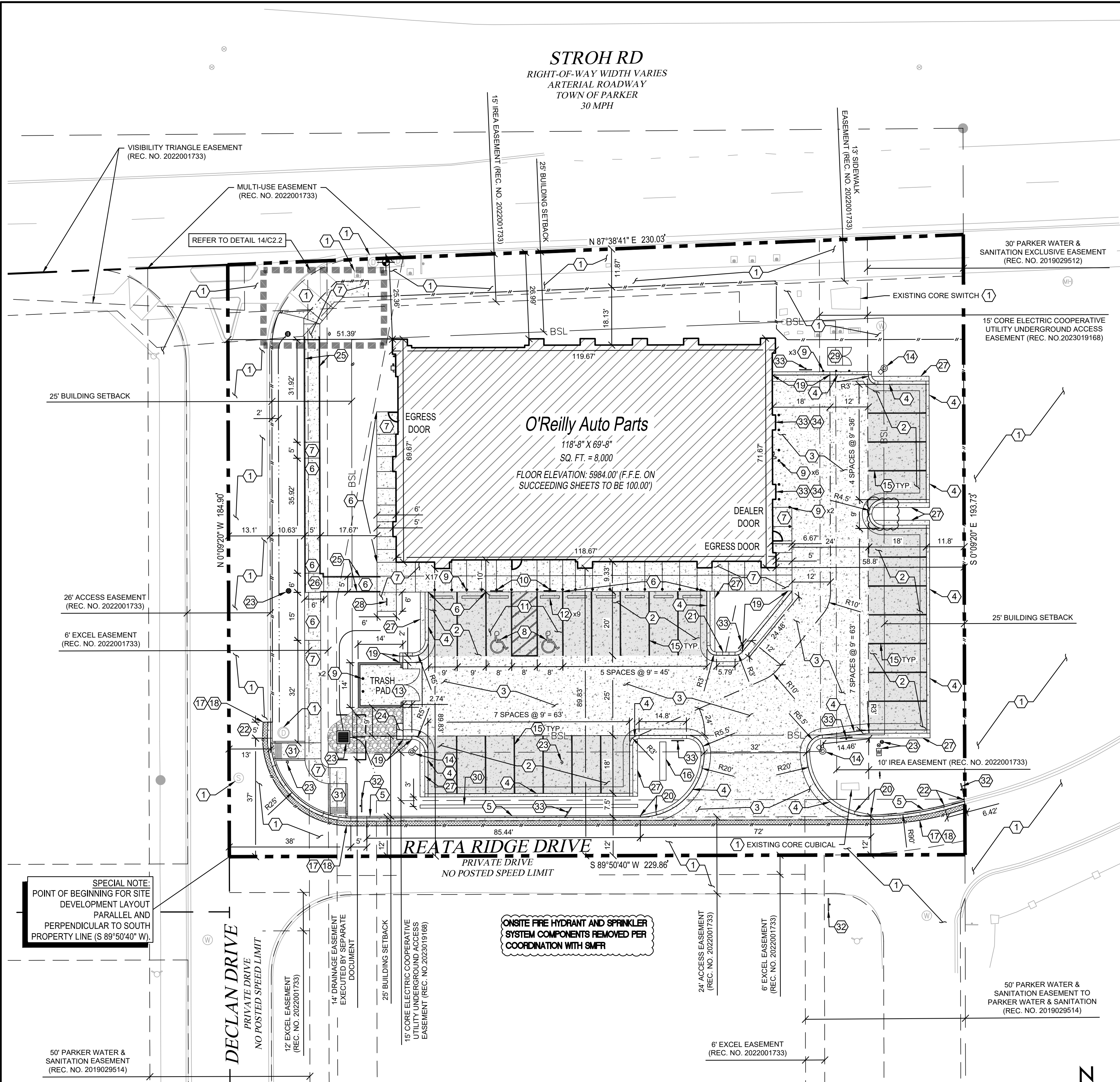
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(417) 862-2674 TELEPHONE

COMM #	4884
DATE:	05/02/2025
REVISION	
DATE:	07/01/2025
	07/30/2025
	08/22/2025
	09/03/2025

CT1.3

TIMOTHY M. GUILLOT
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1 SITE DEVELOPMENT PLAN

C2.1

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KEY NOTES

- PROTECT EXISTING IMPROVEMENTS IN PLACE.
- CONCRETE PAVING (STANDARD DUTY) AT PARKING AREAS. REFER TO DETAIL 2/C2.2
- CONCRETE PAVING (HEAVY DUTY) AT DRIVE AREAS, DRIVE APRONS, FIRE LANES, AND REFUSE AREA. REFER TO DETAIL 1/C2.2
- INSTALL CONCRETE CURB PER DETAIL 3/C2.2.
- INSTALL TOWN OF PARKER MEDIAN CURB AND GUTTER SECTION PER DETAIL 13 ON SHEET C2.4.
- INSTALL CONCRETE SIDEWALK CURB PER DETAIL 4/C2.2. REFER TO STRUCTURAL DRAWINGS FOR LAYOUT OF CONTROL AND EXPANSION JOINTS ADJACENT TO BUILDING PERIMETER.
- INSTALL CONCRETE SIDEWALK OR DOOR LANDING PER DETAIL 5/C2.2. REFER TO STRUCTURAL DRAWINGS FOR LAYOUT ADJACENT TO BUILDING PERIMETER.
- INSTALL ACCESSIBLE PARKING SYMBOL PAVEMENT STRIPING PER DETAIL 6/C2.2.
- INSTALL STEEL BOLLARD PER DETAIL 7/C2.2. PROVIDE (2) AT REFUSE CONTAINER AREA, (2) AT DEALER DOOR, (6) ALONG EAST SIDE OF BUILDING, (3) AT TRANSFORMER PAD, AND (17) AT FRONT ENTRY. REFER TO STRUCTURAL DRAWINGS FOR BOLLARDS ADJACENT TO BUILDING PERIMETER.
- INSTALL ACCESSIBLE PARKING SIGN PER DETAIL 8/C2.2.
- ACCESSIBLE PARKING SPACE WITH ACCESS AISLE (ADA COMPLIANT) TO SLOPE 2% MAXIMUM IN ALL DIRECTIONS. PROVIDE PAVEMENT MARKINGS TO MATCH STRIPING COLOR UNLESS OTHERWISE REQUIRED TO COMPLY WITH GOVERNING ACCESSIBILITY REGULATIONS.
- INSTALL CONCRETE BUMPER BLOCK (8" W X 5" H X 6'-0" L) ANCHORED TO PAVING WITH (2) 1'-6" LONG #4 REBAR.
- REFUSE ENCLOSURE. REFER TO 1/C2.3.
- PARKING LOT LIGHTING SHOWN FOR REFERENCE ONLY. REFER TO SHEET US1 FOR MORE DETAIL.
- INSTALL 4" WIDE PAVEMENT STRIPING AS SHOWN USING HIGHWAY MARKING PAINT - YELLOW (2 COATS).
- SITE SIGN SHOWN FOR REFERENCE ONLY. REFER TO SHEET SG1.1 FOR CONSTRUCTION TYPE AND LOCATION. SIGN IS OWNER FURNISHED AND INSTALLED (REFER TO SCOPE OF WORK SCHEDULE). REFER TO SHEET US1 FOR ADDITIONAL REQUIREMENTS. NOTE: SIGN APPROVAL NOT A PART OF THIS SITE PLAN AND SHALL BE APPROVED THROUGH SEPARATE PERMIT.
- LIMITS OF NEW PAVING. MATCH EXISTING PAVEMENT TRANSITION ELEVATIONS. AT TRANSITIONS OF NEW CONCRETE TO EXISTING CONCRETE PAVEMENT, EPOXY DOWEL 6" MINIMUM INTO EXISTING WITH #4 X 1'-6" SMOOTH DOWELS MATCHING NEW PAVEMENT REINFORCEMENT SPACING. PROVIDE SEALANT AT JOINTS.
- 1.5' WIDE, 2" DEEP GRADE SX ASPHALT MILL & OVERLAY PER GEOTECHNICAL RECOMMENDATIONS.
- TRANSITION TO 0" CURB OVER DISTANCE AS SHOWN.
- 5' TRANSITION FROM 6" WIDE CURB TO 1' WIDE CURB.
- 2' CURB CUT PER DETAIL 9/C2.2.
- TRANSITION TO EXISTING 6" CURB AND GUTTER.
- REFER TO SHEET C3.1 FOR STORM AND UTILITY IMPROVEMENT DETAILS.
- INSTALL 5' X 2' CONCRETE SPLASH PAD RECESSED 2" MIN. FROM PARKING ACCESS AISLE PAVEMENT. REFER TO GRADING PLAN FOR ELEVATIONS.
- INSTALL SIDEWALK RAMP RAILING PER DETAIL 16/C2.2.
- 5' X 5' CLEAR SPACE AT RAMP CHANGE IN DIRECTION.
- INSTALL 1.5' WIDE, 4" THICK CONCRETE STRIP ATTACHED TO PARKING STALL BACK OF CURB.
- INSTALL INVERTED U BIKE RACK. SEE DETAIL 11/C2.2.
- INSTALL TRANSFORMER PAD PER CORE ELECTRIC STANDARDS.
- INSTALL PARKING LOT SCREENING WALL. REFER TO STRUCTURAL FOR MORE DETAIL.
- INSTALL DIRECTIONAL CURB RAMP PER TOWN OF PARKER STANDARD DETAIL 15 ON SHEET C2.4. REFER TO DETAIL 14/C2.2 FOR SPECIFIC CONSTRUCTION DIMENSIONS.
- INSTALL R1-1 STOP SIGN PER LATEST MUTCD STANDARDS.
- INSTALL "NO PARKING FIRE LANE" SIGN PER DETAIL ON SHEET C2.4 AND THE LATEST MUTCD STANDARDS.
- WALL MOUNT "NO PARKING FIRE LANE" SIGN PER DETAIL ON SHEET C2.4 TO BUILDING EXTERIOR PER ARCHITECT RECOMMENDATIONS.

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/PUBLIC WORK

DATE

ZONING CODE

ZONING CLASSIFICATION: MIXED-USE COMMUNITY
PROPERTY AREA: 43,516 SF (0.999 AC)
PROPOSED BUILDING AREA: 8,000 SF
PROPOSED PARKING PAVEMENT: 12,900 SF
PROPOSED SIDEWALK PAVEMENT: 2,250 SF

PARKING SUMMARY
PARKING FORMULA: 1 SP. PER 300 SF GFA
SPACE SIZE: 9' x 20' AT BUILDING
9' x 18' ALL OTHER LOCATIONS
SPACES REQUIRED: 27
SPACES PROVIDED: 27
H.C. SPACES PROVIDED: 2

GENERAL NOTES

- REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS. ALL ON SITE CONCRETE TO BE 4,500 PSI.
- SITE DIMENSIONS TO FACE OF CONCRETE FOUNDATION, SIDEWALK, CURB GUTTER LINE, PROPERTY LINE, OR CENTER LINE OF STRIPING UNLESS OTHERWISE NOTED.
- COORDINATE WORK WITH OTHER SITE RELATED DEVELOPMENT DRAWINGS.
- REFER TO STRUCTURAL DRAWINGS FOR BUILDING DIMENSIONS AND LAYOUT OF SIDEWALKS ADJACENT TO BUILDING PERIMETER.
- PRIOR TO INSTALLATION, CONTRACTOR TO VERIFY LOCATIONS OF LIGHT POLES, LANDSCAPING AND UTILITIES DO NOT CONFLICT WITH SITE SIGN LOCATION SHOWN. IF CONFLICT IS DISCOVERED, CONTRACTOR TO NOTIFY OWNER'S REPRESENTATIVE PRIOR TO PROCEEDING WITH THE WORK.

SYMBOLS LEGEND

NOTE:REFER TO SURVEY FOR EXISTING CONDITIONS SYMBOLS LEGEND.	
---	RIGHT-OF-WAY
---	O'REILLY PROPERTY LINE
---	ADJACENT PROPERTY LINE
---	EXISTING EASEMENT
---	PROPOSED EASEMENT
---	BSL BUILDING SETBACK LINE
---	ROAD CENTERLINE
---	LIMIT OF DISTURBANCE
---	PROPOSED SAWCUT
---	PROPOSED FLOWLINE
+	PROPOSED SIGN
⊢	PROPOSED WHEEL STOP
•	PROPOSED BOLLARD
△	PROPOSED FDC
⊕	PROPOSED FIRE HYDRANT
•	PROPOSED GATE VALVE
•	PROPOSED CLEANOUT
⊙	PROPOSED LIGHT POLE
▨	PROPOSED BUILDING FOOTPRINT
▨	PROPOSED LIGHT DUTY CONCRETE
▨	PROPOSED HEAVY DUTY CONCRETE
▨	PROPOSED MILL & OVERLAY
▨	PROPOSED RIPRAP

VERTICAL CONSTRUCTION

NO VERTICAL CONSTRUCTION MAY COMMENCE UNTIL CURB, GUTTER, AND CONCRETE DRIVE ACCESS PAVEMENT IS CONSTRUCTED. A SITE INSPECTION IS REQUIRED TO VERIFY THAT THIS REQUIREMENT IS SATISFIED BEFORE VERTICAL CONSTRUCTION CAN BEGIN.

PREPARED UNDER THE SUPERVISION OF TAIT & ASSOCIATES, INC.

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TAIT & ASSOCIATES
Since 1944

ENGINEERING ENVIRONMENTAL BUILDING LAND
Santa Ana Sacramento
San Luis Obispo Riverside

Dallas
Denver
Boise

STEVEN P. BURCH
PE 65775
SINCE 1975
REGISTERED PROFESSIONAL ENGINEER

LOT 1 PARKER POINTE SUBDIVISION FILING 1

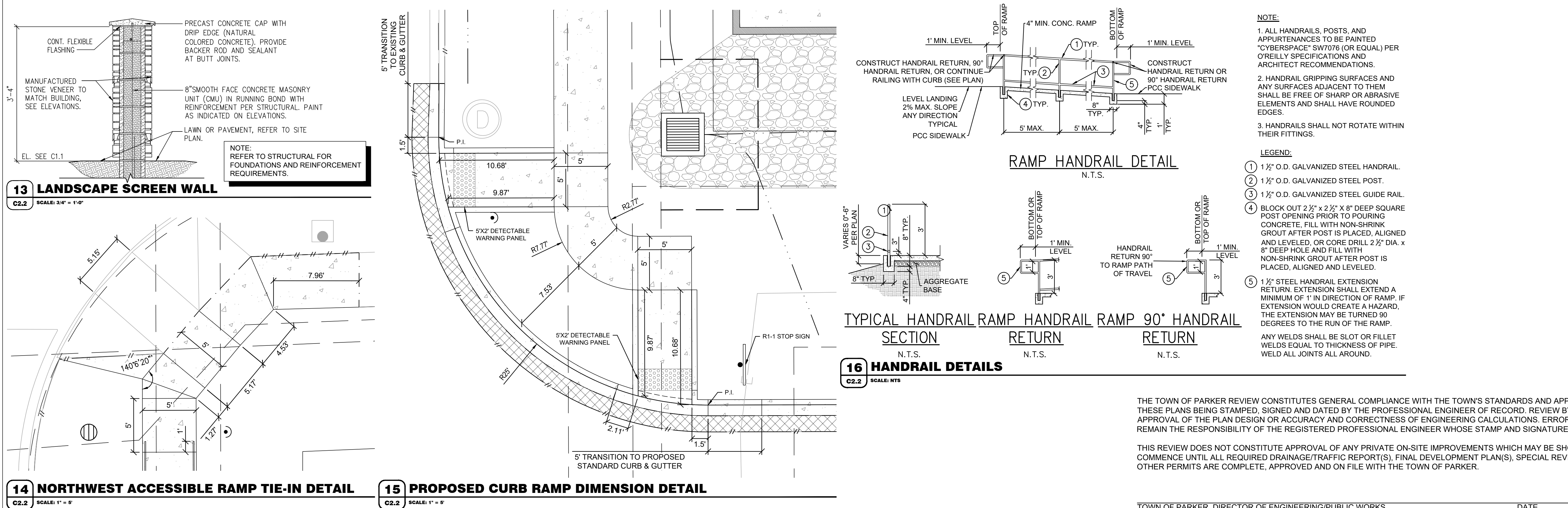
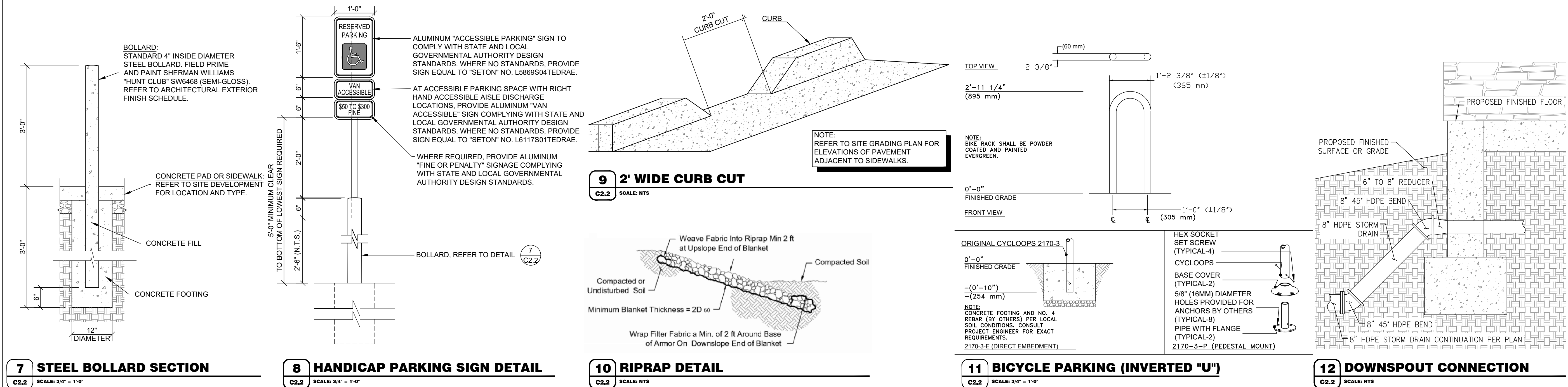
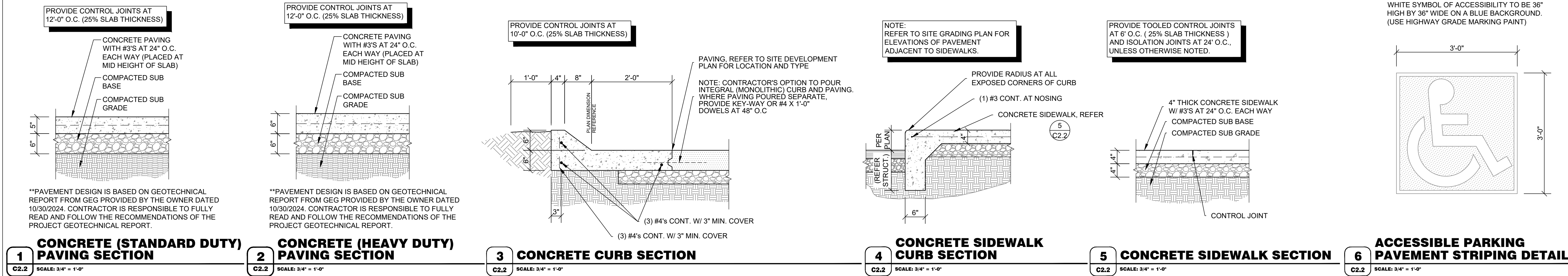
PROJECT:
NEW O'REILLY AUTO PARTS STORE
13111 REATA RIDGE DRIVE
PARKER, CO #2

O'Reilly AUTO PARTS
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(417) 862-2674 TELEPHONE

COMM #	4884
DATE:	02/14/2025
REVISION	
DATE:	05/02/2025
	07/01/2025
	07/30/2025
	08/22/2025
	09/03/2025

C2.1

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LOT 1 PARKER POINTE SUBDIVISION FILING 1

PROJECT:
NEW O'REILLY AUTO PARTS STORE
13111 REATA RIDGE DRIVE
PARKER, CO #2

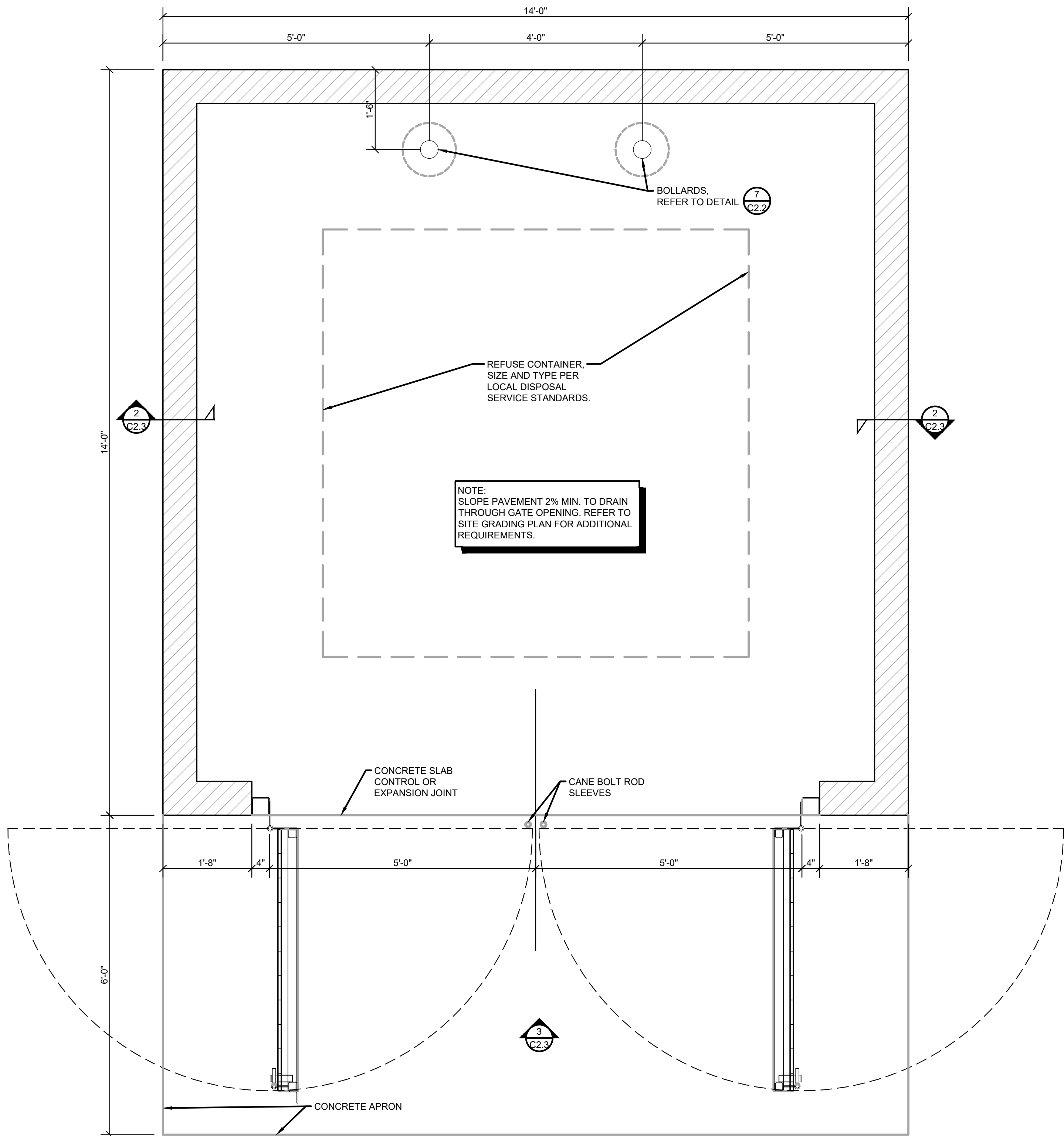
SITE DETAILS

O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

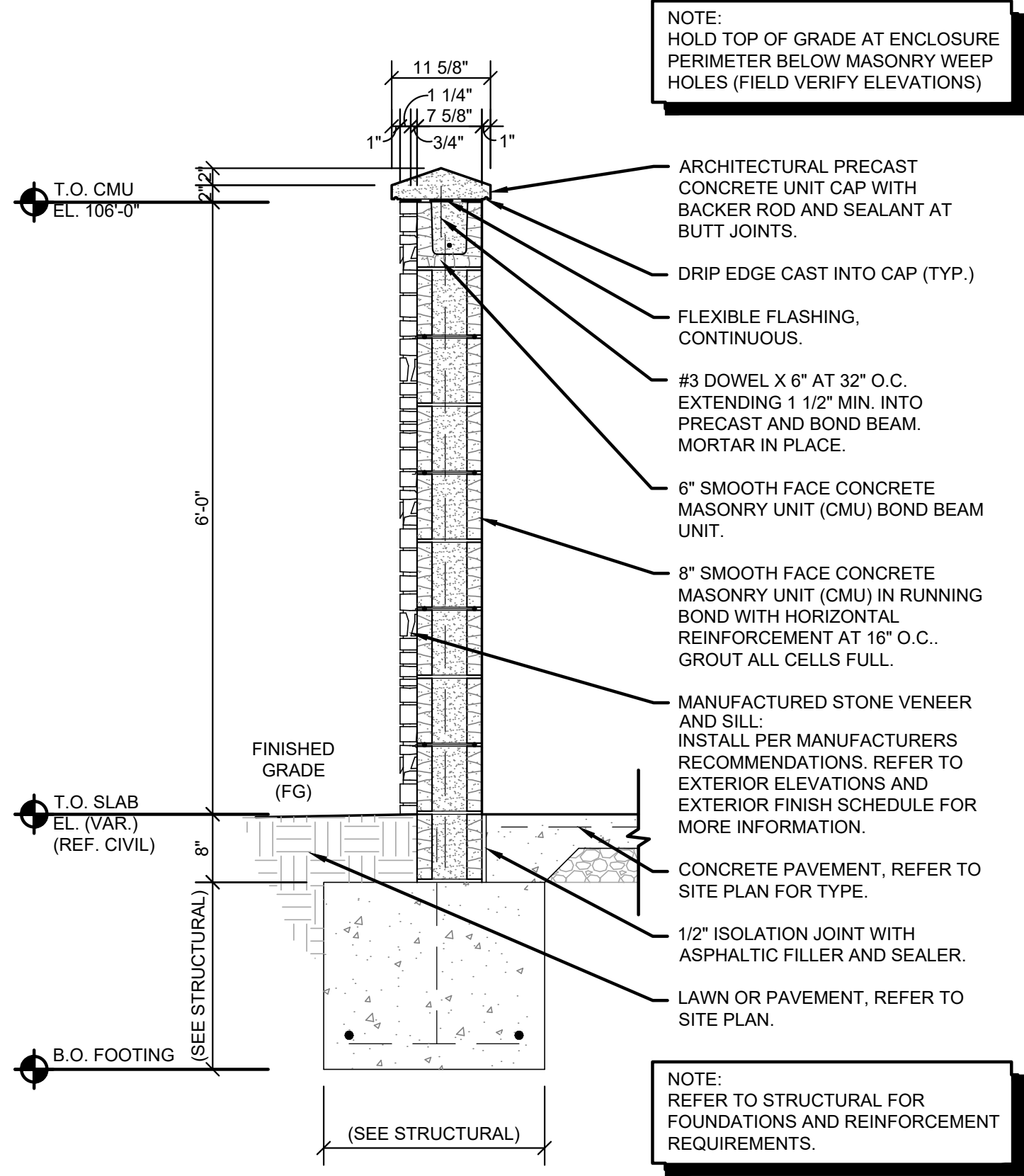
COMM # 4884
DATE: 02/14/2025
REVISION
DATE: 05/02/2025
07/01/2025
07/30/2025
08/22/2025

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.

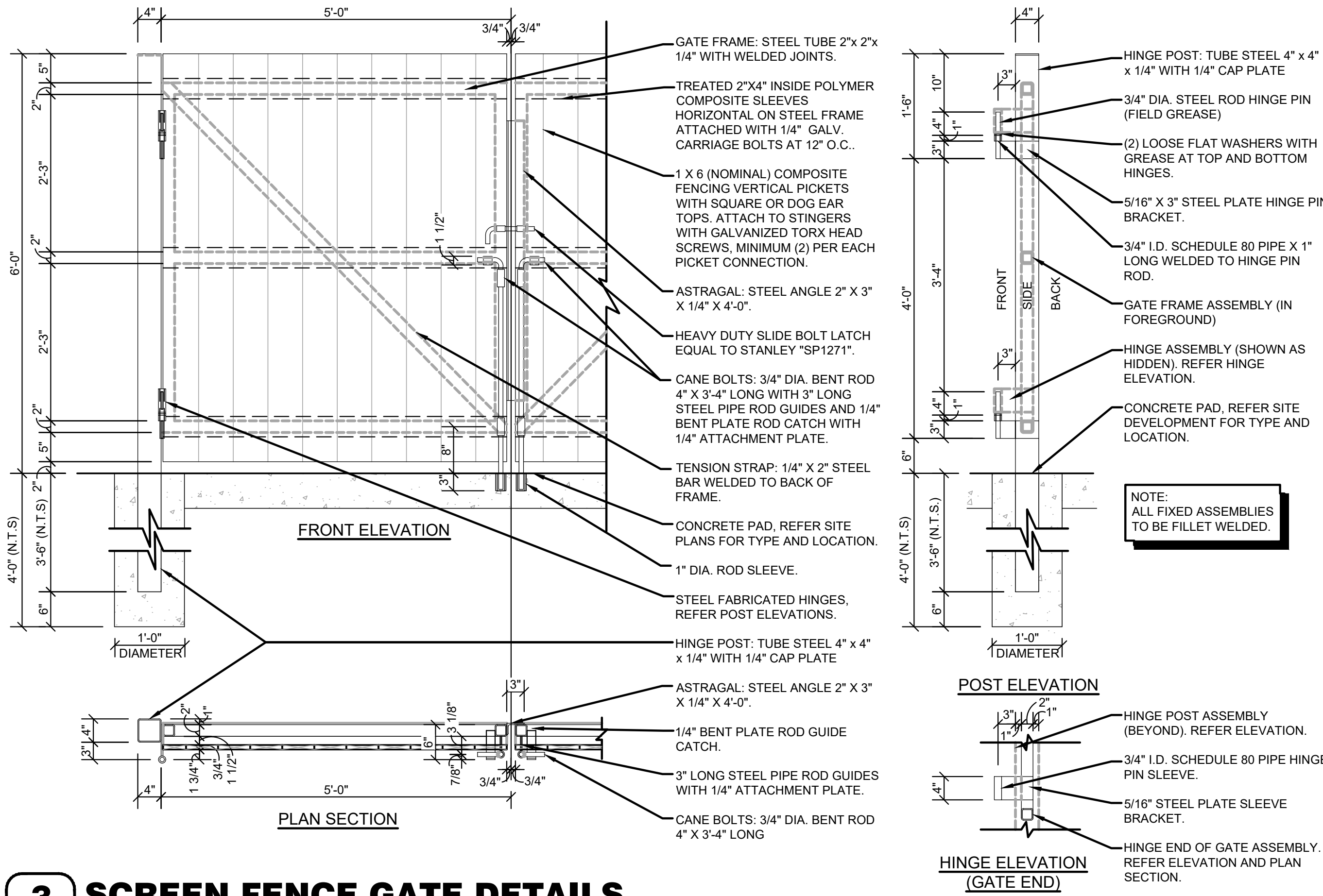
THIS REVIEW DOES NOT CONSTITUTE APPROVAL OF ANY PRIVATE ON-SITE IMPROVEMENTS WHICH MAY BE SHOWN. CONSTRUCTION CANNOT COMMENCE UNTIL ALL REQUIRED DRAINAGE/TRAFFIC REPORT(S), FINAL DEVELOPMENT PLAN(S), SPECIAL REVIEW(S), GRADING PERMIT, AND/OR OTHER PERMITS ARE COMPLETE, APPROVED AND ON FILE WITH THE TOWN OF PARKER.



1 MASONRY SCREEN FENCE REFUSE ENCLOSURE PLAN
C2.3 SCALE: 3/4" = 1'-0"



2 MASONRY SCREEN FENCE SECTION
C2.3 SCALE: 3/4" = 1'-0"



3 SCREEN FENCE GATE DETAILS
C2.3 SCALE: 3/4" = 1'-0"

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GENERAL NOTES

- (A) REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- (B) DIMENSIONS ARE TO ROUGH FACE OF CONCRETE, FRAMING, OR CENTER LINE OF STRUCTURE UNLESS OTHERWISE INDICATED.
- (C) REFER TO CIVIL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- (D) REFER TO ARCHITECTURAL EXTERIOR FINISH SCHEDULE FOR MATERIAL TYPES, COLORS, AND FINISHES. UNLESS OTHERWISE INDICATED PROVIDE FINISHES AS FOLLOWS:
 - 1. ALL NON-GALVANIZED METAL PARTS TO BE PRIMED AND PAINTED (2) COATS SHERWIN WILLIAMS SW6468 "HUNT CLUB".
 - 2. COMPOSITE FENCING MATERIAL COLOR TO BE EQUAL TO LOUISIANA-PACIFIC - LP ELEMENTS ATLAS COLLECTION-76 SERIES "PRIMED" AND PAINTED SHERWIN WILLIAMS "LATTE" SW6108.

PREPARED UNDER THE SUPERVISION OF TAIT & ASSOCIATES, INC.

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COLORADO LICENSED PROFESSIONAL ENGINEER

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LOT 1 PARKER POINTE SUBDIVISION FILING 1

PROJECT:
NEW O'REILLY AUTO PARTS STORE
13111 REATA RIDGE DRIVE
PARKER, CO #2

O'Reilly AUTO PARTS

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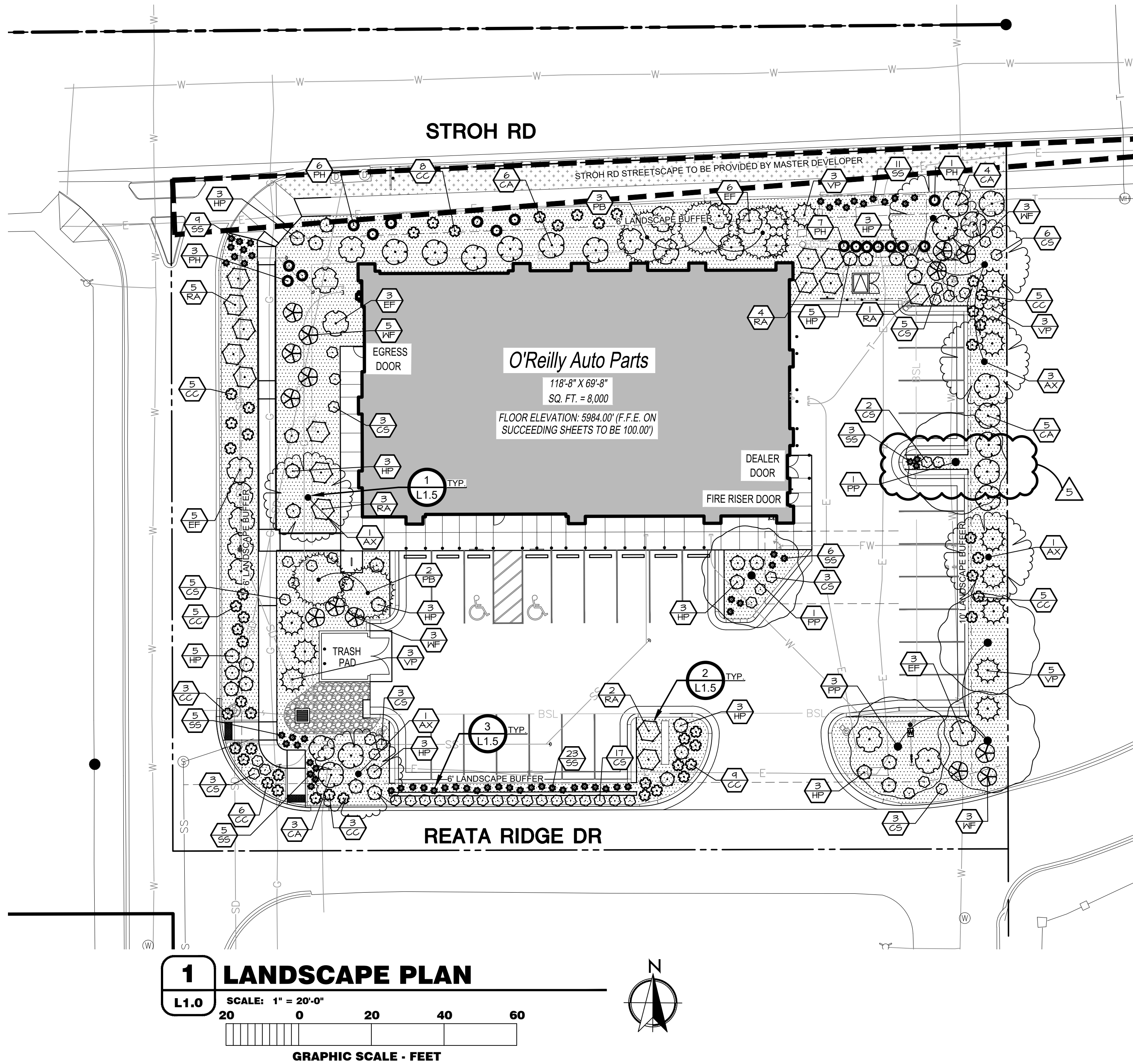
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TIMOTHY M. GUILLOT
ARCHITECT

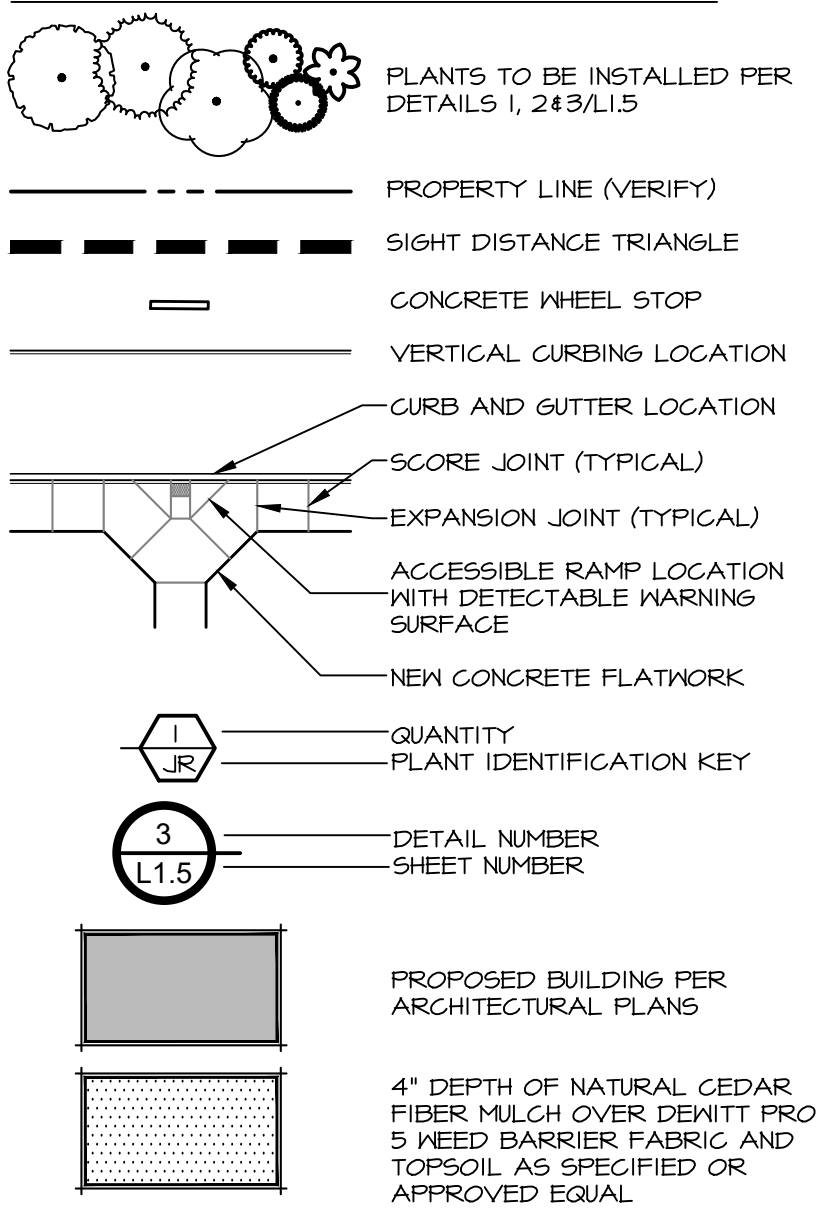
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REFUSE ENCLOSURE



LANDSCAPE LEGEND



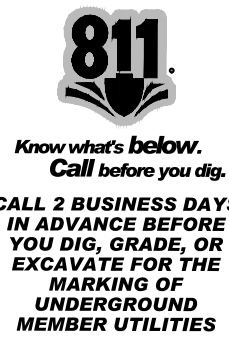
LANDSCAPE REQUIREMENTS

EAST PARKING LOT ISLAND - 162 SF			
Requirements:	REQUIRED	PROVIDED	
1 TREE / ISLAND	1 TREES	1 TREES	
5 SHRUBS / ISLAND	5 SHRUBS	5 SHRUBS	
SOUTH PARKING LOT ISLAND - 286 SF			
Requirements:	REQUIRED	PROVIDED	
1 TREE / ISLAND	1 TREES	1 TREES	
5 SHRUBS / ISLAND	5 SHRUBS	12 SHRUBS	
NORTH PERIMETER - 216 LF			
Requirements:	REQUIRED	PROVIDED	
1 TREE / 30 LF	1 TREES	5 TREES*	
5 SHRUBS / 30 LF	36 SHRUBS	56 SHRUBS*	
* REPLACE 1 TREE WITH 10 SHRUBS			
PI 6' BUFFER			
*STROH RD STREETSCAPE TO BE PROVIDED BY MASTER DEVELOPER			
EAST PERIMETER - 164 LF			
Requirements:	REQUIRED	PROVIDED	
1 TREE / 30 LF	5 TREES	4 TREES*	
5 SHRUBS / 30 LF	21 SHRUBS	31 SHRUBS*	
* REPLACE 1 TREE WITH 10 SHRUBS			
10' PARKING LOT BUFFER			
SOUTH PERIMETER - 217 LF			
Requirements:	REQUIRED	PROVIDED	
1 TREE / 25 LF	1 TREES	2 TREES*	
5 SHRUBS / 25 LF	43 SHRUBS	43 SHRUBS*	
* REPLACE 1 TREE WITH 10 SHRUBS			
6' PARKING LOT BUFFER			
WEST PERIMETER - 156 LF			
Requirements:	REQUIRED	PROVIDED	
1 TREE / 30 LF	5 TREES	3 TREES*	
5 SHRUBS / 30 LF	26 SHRUBS	70 SHRUBS*	
* REPLACE 1 TREE WITH 10 SHRUBS			
PI 6' BUFFER			
GENERAL			
Requirements:	TOTAL TREES	EVERGREEN TREES	PROVIDED
25-50% EVERGREEN TREES	17 TREES	5 TREES	24%
1 TREE / 5 SHRUBS / 1500 SF	LANDSCAPE AREA	REQ'D TREES	TOTAL TREES
11,616 SF	11,616 SF	23 SHRUBS	17 TREES
* REPLACE 1 TREE WITH 10 SHRUBS			
15% OF SITE TO BE LANDSCAPED	LANDSCAPE AREA	TOTAL AREA	PROVIDED AREA
11,616 SF	11,616 SF	43,516 SF	26%
75% OF REQUIRED LANDSCAPE TO BE LIVE COVER	LANDSCAPE AREA	COVERED AREA	PROVIDED AREA
11,616 SF	11,616 SF	4,350 SF	80%

PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
TREES						
	AX	7	Acer truncatum x platanoides 'Warrenred'	Pacific Sunset Maple	2.5" Cal. B#B	30' X 25' W DECIDUOUS
	PP	5	Parrotia persica	Persian Ironwood	2.5" Cal. B#B	40' X 30' W DECIDUOUS
	PB	5	Picea pungens glauca 'Baby Blue Eyes'	Baby Blue Eyes Colorado Blue Spruce	2.5" Cal. B#B	30' X 15' W EVERGREEN
SHRUBS						
	CC	49	Coreopsis x 'Creme Brulee'	Creme Brulee Tickseed	5 gal.	1'-2' H x 2'-3' W
	CA	18	Cornus alba 'Bailhala' TM	Ivory Halo Dogwood	5 gal.	6'-8' H # W
	CS	47	Cornus sericea 'Kelsey'	Kelsey Dwarf Redtwig Dogwood	5 gal.	24"-30" H x 24"-30" W
	EF	17	Euonymus fortunei 'Colorata'	Purple-leaf Winter Creeper	5 gal.	2'-3' H x 6'-8' W
	HP	31	Hydrangea paniculata 'Little Lime'	Little Lime Panicle Hydrangea	5 gal.	3'-5' H # W
	PH	17	Pennisetum alopecuroides 'Hamel'	Hamel Fountain Grass	5 gal.	2'-3' H x 2'-3' W
	RA	15	Rhus aromatica 'Gro-Low'	Gro-Low Fragrant Sumac	5 gal.	2'-3' H x 5'-7' W
	SS	62	Salvia x sylvestris 'May Night'	May Night Sage	5 gal.	18"-24" H # W
	VP	14	Viburnum plicatum 'Popcorn'	Popcorn Japanese Snowball	5 gal.	6'-8' H # 6'-8' W
	WF	14	Weigela florida 'Red Prince'	Red Prince Weigela	5 gal.	5'-6' H # W

** The minimum offset distance of any tree to edge of storm pipe/ inlet is 7 feet per SDECM Section 6.3.3.2.



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LANDSCAPE PLAN

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LANDSCAPE AREA PREPARATION NOTES:

1. LIMIT TURF SUBGRADE PREPARATION TO AREAS TO BE PLANTED.
2. NEWLY GRADED SUBGRADES: LOOSEN SUBGRADE TO A MINIMUM DEPTH OF 4 INCHES. REMOVE STONES LARGER THAN 1 INCH IN ANY DIMENSION AND STICKS, ROOTS, RUBBISH, AND OTHER EXTRANEEOUS MATTER AND LEGALLY DISPOSE OF THEM OFF OWNER'S PROPERTY.
 - A. SPREAD PLANTING SOIL TO A DEPTH OF 12 INCHES IN TURF AREAS AND 18 INCHES AT SHRUB BED AREAS BUT NOT LESS THAN REQUIRED TO MEET FINISH GRADES AFTER LIGHT ROLLING AND NATURAL SETTLEMENT. DO NOT SPREAD IF PLANTING SOIL OR SUBGRADE IS FROZEN, MUDDY, OR EXCESSIVELY WET.
 - B. SPREAD PLANTING SOIL OVER LOOSENED SUBGRADE.
 - C. REDUCE ELEVATION OF PLANTING SOIL TO ALLOW FOR SOIL THICKNESS OF SOD OR SEED.
3. UNCHANGED SUBGRADES: IF TURF IS TO BE PLANTED IN AREAS UNALTERED OR UNDISTURBED BY EXCAVATING, GRADING, OR SURFACE-SOIL STRIPPING OPERATIONS, PREPARE SURFACE SOIL AS FOLLOWS:
 - A. REMOVE EXISTING GRASS, VEGETATION, AND TURF. DO NOT MIX INTO SURFACE SOIL.
 - B. LOOSEN SURFACE SOIL TO A DEPTH OF AT LEAST 6 INCHES. PROVIDE WEED ABATEMENT PROCEDURE. APPLY SOIL AMENDMENTS AND FERTILIZERS ACCORDING TO PLANTING SOIL MIX PROPORTIONS AND MIX THOROUGHLY INTO TOP 6 INCHES OF SOIL. TILL SOIL TO A HOMOGENEOUS MIXTURE OF FINE TEXTURE.
 - C. APPLY SOIL AMENDMENTS DIRECTLY TO SURFACE SOIL BEFORE LOOSENING.
 - D. REMOVE STONES LARGER THAN 1 INCH IN ANY DIMENSION AND STICKS, ROOTS, TRASH, AND OTHER EXTRANEEOUS MATTER.
 - E. LEGALLY DISPOSE OF WASTE MATERIAL, INCLUDING GRASS, VEGETATION, AND TURF, OFF OWNER'S PROPERTY.
4. FINISH GRADING: GRADE PLANTING AREAS TO A SMOOTH, UNIFORM SURFACE PLANE WITH LOOSE, UNIFORMLY FINE TEXTURE. GRADE TO WITHIN PLUS OR MINUS 1/2 INCH OF FINISH ELEVATION. ROLL AND RAKE, REMOVE RIDGES, AND FILL DEPRESSIONS TO MEET FINISH GRADES. LIMIT FINISH GRADING TO AREAS THAT CAN BE PLANTED IN THE IMMEDIATE FUTURE.
5. MOISTEN PREPARED AREA BEFORE PLANTING IF SOIL IS DRY. WATER THOROUGHLY AND ALLOW SURFACE TO DRY BEFORE PLANTING. DO NOT CREATE MUDDY SOIL.
6. BEFORE PLANTING, OBTAIN DESIGN PROFESSIONAL'S ACCEPTANCE OF FINISH GRADING; RESTORE PLANTING AREAS IF ERODED OR OTHERWISE DISTURBED AFTER FINISH GRADING.
7. DO NOT SOIL IMMEDIATELY FOLLOWING RAIN, OR WHEN GROUND IS TOO DRY. TEMPERATURE SHALL BE BETWEEN 55 F AND 95 F FOR A 24 HOUR PERIOD. WIND SHALL BE LESS THAN 5 MPH.

TOPSOIL NOTES

1. TOPSOIL REQUIREMENTS: ASTM D 5268, PH RANGE OF 5.5 TO 7.0, FOUR PERCENT ORGANIC MATERIAL MINIMUM, FREE OF STONES 1/2 INCH OR LARGER IN ANY DIMENSION, AND OTHER EXTRANEEOUS MATERIALS HARMFUL TO PLANT GROWTH.
2. TOPSOIL SOURCE: STRIP EXISTING TOPSOIL FROM ALL AREAS OF THE SITE TO BE DISTURBED. TOPSOIL SHALL BE FERTILE, FRIABLE, NATURAL LOAM, SURFACE SOIL, REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH, WEEDS AND OTHER LITTER, AND FREE OF ROOTS, STUMPS, ORGANIC MATTER LARGER THAN 2 INCHES IN ANY DIMENSION, AND OTHER EXTRANEEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. TOPSOIL SHALL BE SCREENED TO ACHIEVE THIS REQUIREMENT.
3. REPRESENTATIVE SAMPLES SHALL BE TESTED FOR ACIDITY, FERTILITY, AND GENERAL TEXTURE BY A RECOGNIZED COMMERCIAL OR GOVERNMENT AGENCY. AND COPIES OF THE TESTING AGENCY'S FINDINGS AND RECOMMENDATIONS SHALL BE FURNISHED TO THE ARCHITECT'S REPRESENTATIVE BY THE CONTRACTOR. ALL TOPSOIL SHALL BE AMENDED TO ACHIEVE SPECIFIED PH AND ORGANIC REQUIREMENTS. RE-TEST TOPSOIL PRIOR TO FINAL COMPLETION TO ENSURE REQUIREMENTS HAVE BEEN MET. NO TOPSOIL SHALL BE PLACED WHILE IN A FROZEN OR MUDDY CONDITION.
4. PLACE TOPSOIL IN AREAS WHERE REQUIRED TO OBTAIN THICKNESS AS SCHEDULED. PLACE TOPSOIL DURING DRY WEATHER. PROVIDE ADDITIONAL IMPORTED TOPSOIL REQUIRED TO BRING SURFACE TO PROPOSED FINISH GRADE, AS REQUIRED.
 - A. COMPACTED TOPSOIL THICKNESS AT THE FOLLOWING AREAS:
 - i. LAWN AREAS: 12 INCHES MINIMUM OR AS NECESSARY TO ACHIEVE EVEN GRADES WITH SURROUNDING LAWN AREAS.
 - ii. PLANTER BEDS: 18 INCHES MINIMUM
 - B. FINE GRADE TOPSOIL TO SMOOTH, EVEN SURFACE WITH LOOSE, UNIFORMLY FINE TEXTURE. REMOVE RIDGES AND FILL DEPRESSIONS, AS REQUIRED TO MEET FINISH GRADES. FINISH GRADE OF TOPSOIL SHALL BE 2" BELOW FINISH GRADE OF PAVEMENTS AREAS FOR SOD AND 1" FOR SEED.
5. TOPSOIL STOCKPILE LOCATIONS TO BE COVERED COORDINATE WITH EROSION AND SEDIMENT CONTROL PLAN.
6. ALL GRAVEL, SUBBASE, AND OTHER IMPORTED FILL MATERIALS OTHER THAN TOPSOIL SHALL ONLY BE STOCKPILED IN PROPOSED IMPERVIOUS AREAS. NO GRAVEL OR ROCK MATERIALS SHALL BE STOCKPILED OR TEMPORARILY PLACED IN PROPOSED LANDSCAPE AREAS TO PREVENT LANDSCAPE AREAS FROM BEING CONTAMINATED WITH ROCK MATERIALS. CONTRACTOR SHALL SUBMIT A DETAILED STOCKPILE PLAN TO DESIGN PROFESSIONAL AND OWNER FOR APPROVAL PRIOR TO ANY EARTHWORK OPERATIONS.

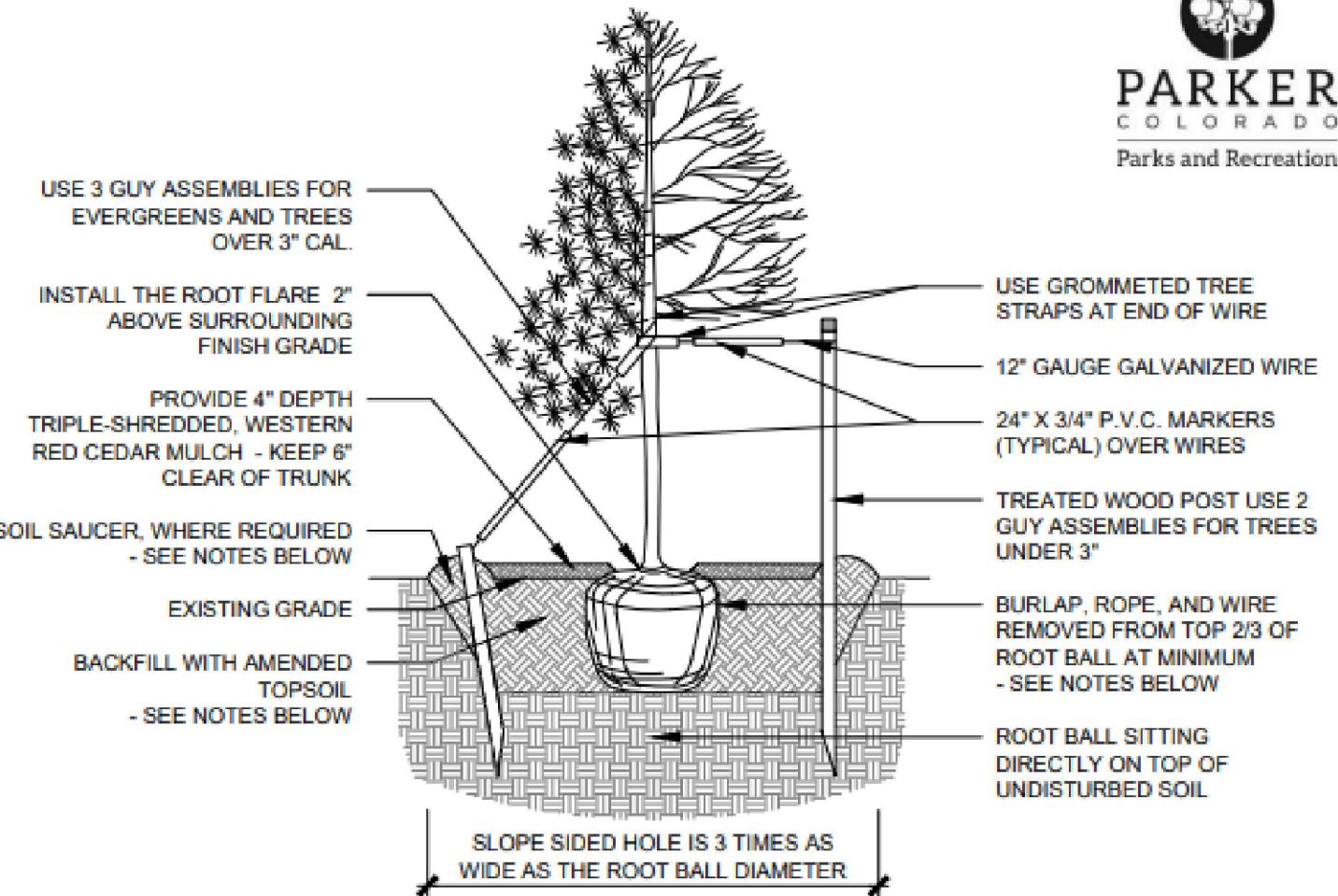
LANDSCAPE NOTES:

1. CONTRACTOR SHALL REPORT TO DESIGN PROFESSIONAL ALL CONDITIONS WHICH IMPAIR AND/OR PREVENT THE PROPER EXECUTION OF THIS WORK, PRIOR TO BEGINNING WORK.
2. NO MATERIAL SUBSTITUTIONS SHALL BE MADE WITHOUT THE DESIGN PROFESSIONAL'S PRIOR WRITTEN APPROVAL. ALTERNATE MATERIALS OF SIMILAR SIZE AND CHARACTER MAY BE CONSIDERED IF SPECIFIED PLANT MATERIALS CAN NOT BE OBTAINED.
3. COORDINATE ALL WORK WITH ALL OTHER SITE RELATED DEVELOPMENT DRAWINGS. COORDINATE WORK SCHEDULE AND OBSERVATIONS WITH DESIGN PROFESSIONAL PRIOR TO CONSTRUCTION START-UP.
4. ALL PLANT MATERIAL SHALL BE INSTALLED AS PER DETAILS.
5. ALL PLANT MATERIAL SHALL CONFORM TO THE AMERICAN NURSERYMAN STANDARDS FOR TYPE AND SIZE SHOWN. PLANTS WILL BE REJECTED IF NOT IN A SOUND AND HEALTHY CONDITION.
6. IN THE EVENT OF A PLANT COUNT DISCREPANCY, PLANT SYMBOLS SHALL OVERRIDE SCHEDULE QUANTITIES AND CALL OUT SYMBOL NUMBERS.
7. ALL PLANTING BEDS SHALL BE COVERED WITH A MINIMUM OF 4" DEPTH OF NATURAL CEDAR FIBER MULCH. SUBMIT SAMPLE FOR APPROVAL.
8. ALL PLANT MATERIAL SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR BEGINNING AT THE DATE OF ACCEPTANCE BY THE OWNER. REPLACE ALL PLANT MATERIAL FOUND DEAD OR NOT IN A HEALTHY CONDITION IMMEDIATELY WITH THE SAME SIZE AND SPECIES AT NO COST TO THE OWNER.
9. FINISH GRADES SHALL PROVIDE A SMOOTH TRANSITION WITH ADJACENT SURFACES AND ENSURE POSITIVE DRAINAGE IN ACCORDANCE WITH THE SITE GRADING PLAN.
10. AMEND EXISTING APPROVED TOPSOIL AT A RATIO OF THREE CUBIC YARDS OF APPROVED COMPOST PER 1000 SQUARE FEET. ROTO-TILL ORGANIC MATTER A MINIMUM OF 6 INCHES INTO TOPSOIL.
11. FERTILIZE ALL TREES AND SHRUBS WITH 'AGRIFORM' PLANTING TABLETS. QUANTITY PER MANUFACTURER'S RECOMMENDATIONS.
12. ALL PLANTING BEDS SHALL HAVE A MINIMUM 18" DEPTH OF TOPSOIL. LAWN AREAS SHALL HAVE A MINIMUM 12" DEPTH OF TOPSOIL. SPREAD, COMPACT, AND FINE GRADE TOPSOIL TO A SMOOTH AND UNIFORM GRADE 3" BELOW ADJACENT SURFACES OF PLANTER BED AREAS, 1-1/2" BELOW ADJACENT SURFACES OF TURF SOD AREAS, AND 1" BELOW ADJACENT SURFACES OF TURF SEED AREAS.
13. REUSE EXISTING TOPSOIL STOCKPILED ON THE SITE. SUPPLEMENT WITH IMPORTED TOPSOIL WHEN QUANTITIES ARE INSUFFICIENT. VERIFY SUITABILITY AND CONDITION OF TOPSOIL AS A GROWING MEDIUM. PERFORM SOIL TEST/ ANALYSIS AND PROVIDE ADDITIONAL AMENDMENT AS DETERMINED BY SOIL TESTS. TOPSOIL SHALL BE A LOOSE, FRIABLE, SANDY LOAM, CLEAN AND FREE OF TOXIC MATERIALS, NOXIOUS WEEDS, SEEDS, ROCKS, GRASS OR OTHER FOREIGN MATERIAL AND HAVE A PH OF 5.5 TO 7.0. IF ONSITE TOPSOIL DOES NOT MEET THESE MINIMUM STANDARDS, CONTRACTOR IS RESPONSIBLE TO EITHER:
 - A) PROVIDE APPROVED IMPORTED TOPSOIL, OR
 - B) IMPROVE ON-SITE TOPSOIL WITH METHODS APPROVED BY THE DESIGN PROFESSIONAL.
14. IF IMPORTED TOPSOIL FROM OFF-SITE SOURCES IS REQUIRED, ENSURE IT IS FERTILE, FRIABLE, NATURAL LOAM, REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH, WEEDS AND OTHER LITTER, AND FREE OF ROOTS, STUMPS, STONES LARGER THAN 2 INCHES IN ANY DIMENSION, AND OTHER EXTRANEEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH.
 - A) OBTAIN TOPSOIL FROM LOCAL SOURCES OR FROM AREAS HAVING SIMILAR SOIL CHARACTERISTICS TO THOSE FOUND ON THE PROJECT SITE. OBTAIN TOPSOIL ONLY FROM NATURALLY, WELL-DRAINED SITES WHERE TOPSOIL OCCURS AT A DEPTH OF NOT LESS THAN 4 INCHES.
 - B) REPRESENTATIVE SAMPLES SHALL BE TESTED FOR ACIDITY, FERTILITY, TOXICITY, AND GENERAL TEXTURE BY A RECOGNIZED COMMERCIAL OR GOVERNMENT AGENCY, AND COPIES OF THE TESTING AGENCY'S FINDINGS AND RECOMMENDATIONS SHALL BE FURNISHED TO THE OWNER'S REPRESENTATIVE BY THE CONTRACTOR. NO TOPSOIL SHALL BE DELIVERED IN A FROZEN OR MUDDY CONDITION. ACIDITY/ALKALINITY RANGE - PH: 5.5 TO 7.0.
15. IMMEDIATELY CLEAN UP ANY TOPSOIL OR OTHER DEBRIS ON THE SITE CREATED FROM LANDSCAPE OPERATIONS AND DISPOSE OF PROPERLY OFF SITE.
16. SEE SAGE BEDS AND OTHER STORM DRAINAGE FACILITIES MUST BE PROTECTED FROM ANY AND ALL CONTAMINATION DURING THE CONSTRUCTION AND INSTALLATION OF THE LANDSCAPE IRRIGATION SYSTEM.
17. IN THE EVENT OF A DISCREPANCY, NOTIFY THE DESIGN PROFESSIONAL IMMEDIATELY.

WEED ABATEMENT NOTES:

1. ALL AREAS TO BE PLANTED OR HYDROSEEDDED SHALL HAVE WEED ABATEMENT OPERATIONS PERFORMED ON THEM PRIOR TO PLANTING OR HYDROSEEDING.
2. CONTRACTOR SHALL SPRAY ALL EXPOSED WEEDS WITH GROUND-UP-A (CONTACT HERBICIDE) OR APPROVED EQUAL.
3. DO NOT WATER FOR AT LEAST SEVEN (7) DAYS. REMOVE EXPOSED WEEDS FROM THE SITE.
4. CONTRACTOR SHALL OPERATE THE AUTOMATIC IRRIGATION SYSTEM FOR A PERIOD OF FOURTEEN (14) DAYS. AT CONCLUSION OF THIS WATERING PERIOD, DISCONTINUE WATERING FOR THREE TO FIVE (3-5) DAYS.
5. APPLY SECOND APPLICATION OF GROUND-UP-A TO ALL EXPOSED WEEDS. APPLY IN STRICT CONFORMANCE WITH MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS. DO NOT WATER FOR AT LEAST SEVEN (7) DAYS. REMOVE WEEDS FROM THE SITE.
6. IF ANY EVIDENCE OF WEED GERMINATION EXISTS AFTER TWO (2) APPLICATIONS, CONTRACTOR SHALL BE DIRECTED TO PERFORM A THIRD APPLICATION.
7. AT THE TIME OF PLANTING AND HYDROSEEDING, ALL PLANTING AREAS SHALL BE WEED FREE.

TOWN OF PARKER STANDARD DETAILS



NOTES:

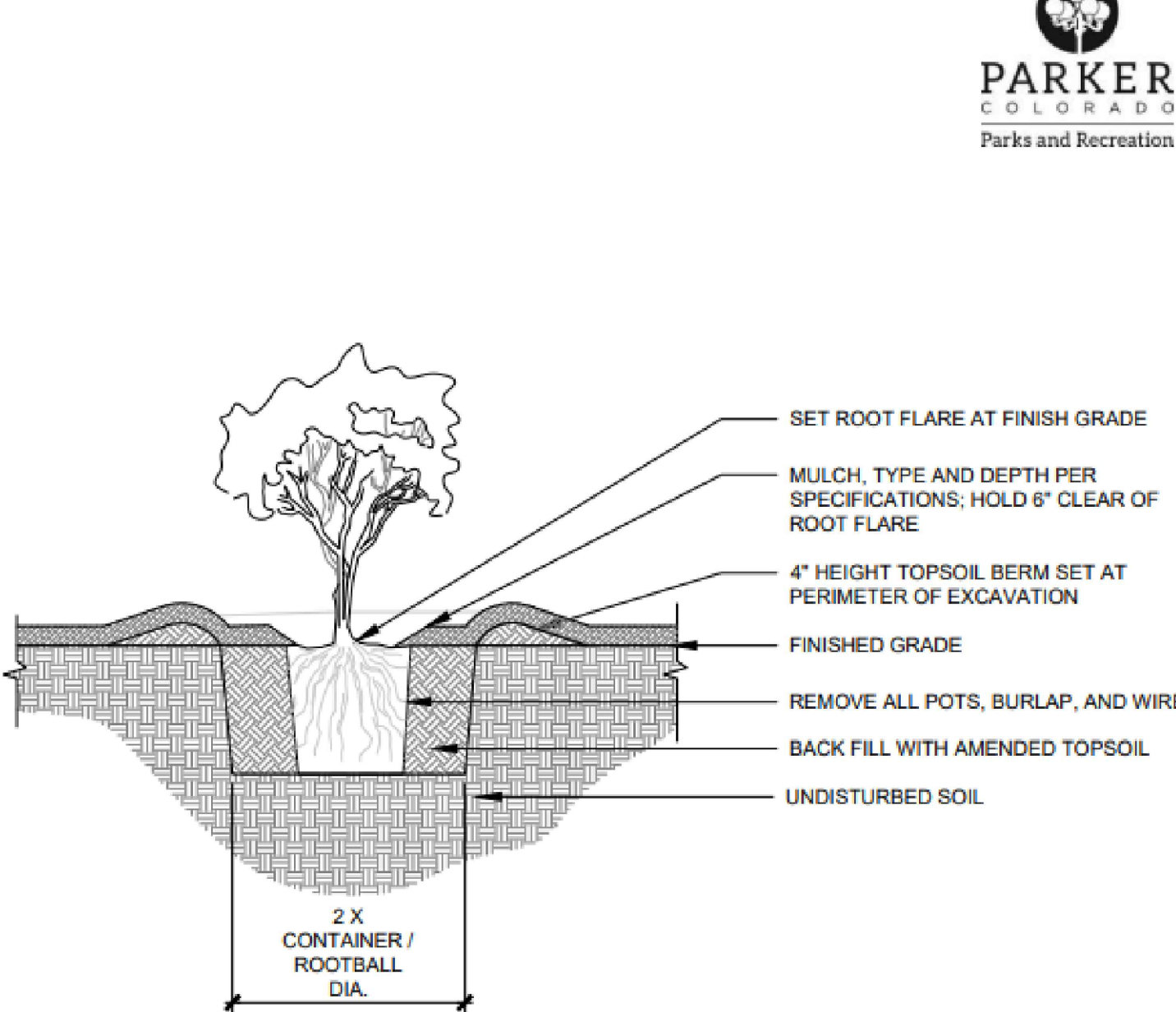
1. EXCAVATE PLANTING HOLES WITH SLOPING SIDES. MAKE EXCAVATIONS AT LEAST THREE TIMES AS WIDE AS THE ROOT BALL DIAMETER AND NO DEEPER THAN THE DISTANCE FROM THE TOP OF THE ROOT BALL TO ALLOW FOR SETTLING. DO NOT DISTURB SOIL AT BOTTOM OF PLANTING HOLES, BUT DO SCORE THE SIDES OF THE PLANTING HOLE. THE PLANTING AREA SHALL BE LOOSENEED 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 8" 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.



TREE PLANTING

DATE: MAY 2023 | DETAIL SD-3

TOWN OF PARKER STANDARD DETAILS



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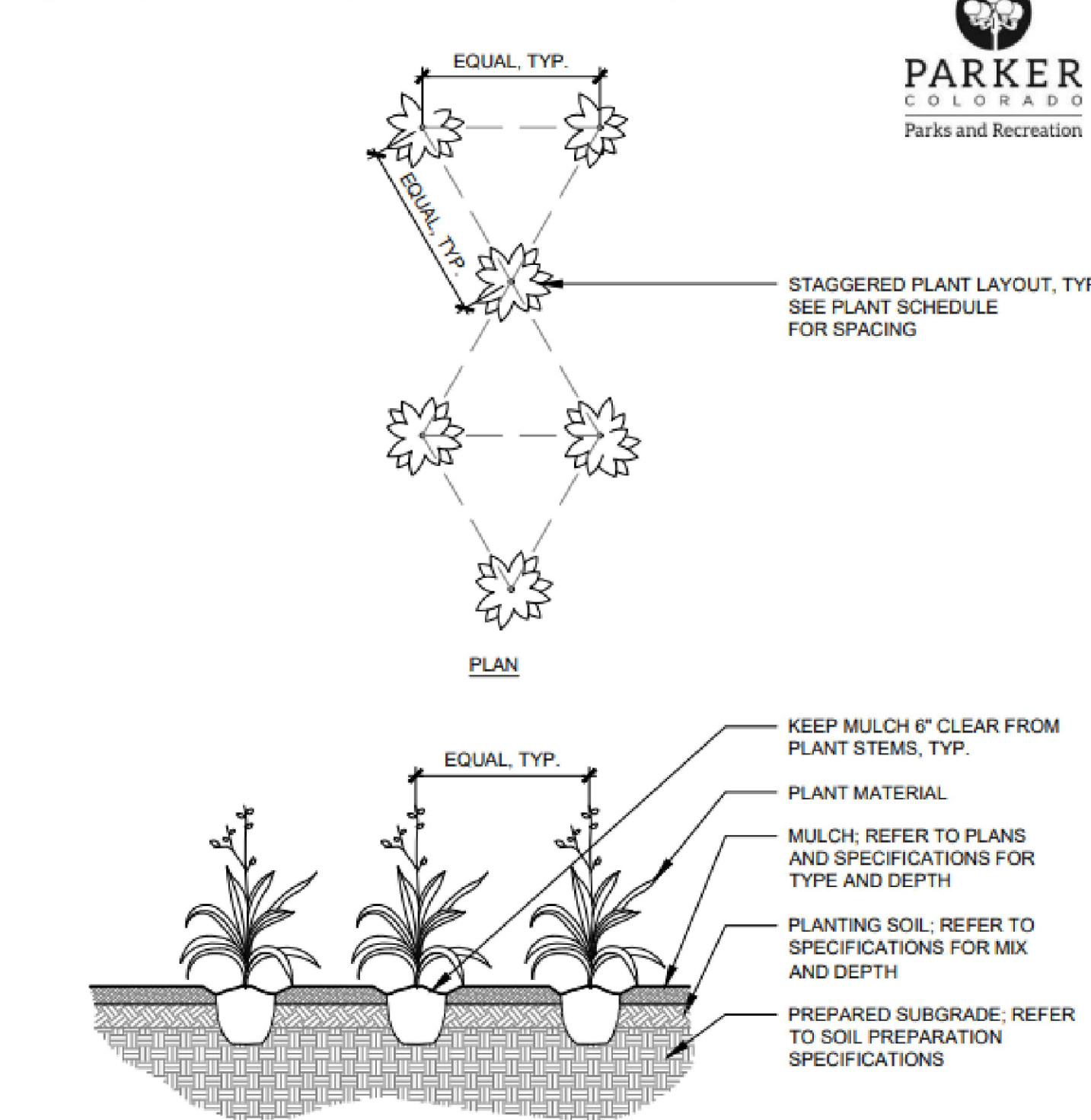
1. PRUNE ALL DAMAGED, DISEASED OR WEAK LIMBS.
2. CLEARLY PRUNE ALL DAMAGED ROOT ENDS.
3. DO NOT ALLOW ROOTS TO DRY OUT DURING INSTALLATION PROCESS.
4. DEEP WATER AFTER PLANTING.



SHRUB PLANTING

DATE: MAY 2023 | DETAIL SD-5

TOWN OF PARKER STANDARD DETAILS



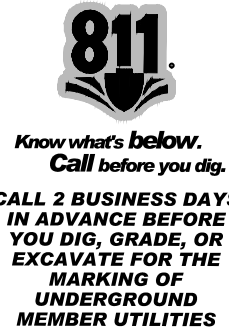
NOTES:

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

PERENNIAL PLANTING

1/4" = 1'-0"

DATE: MAY 2023 | DETAIL SD-6



PROJECT:
NEW O'REILLY AUTO PARTS STORE
STROH RD
PARKER, CO #2

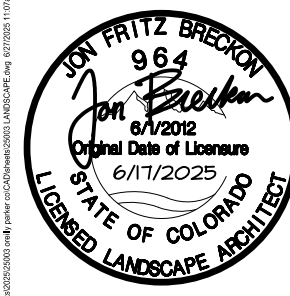
O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
ST. LOUIS, MO 63102
(417) 582-2674 TELEPHONE

COMM # 4884
DATE: 2-14-2025
REVISION
DATE: 5-2-2025

7-1-2025

TIMOTHY M. GUILLOT
ARCHITECT

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IRRIGATION NOTES

1. SYSTEM DESIGN BASED ON THE ASSUMPTION OF THE AVAILABILITY OF 19 G.P.M. WITH 65 P.S.I. AT THE SOURCE AND 45 P.S.I. AT THE HEADS.
2. ALL LATERAL LINES THAT ARE NOT LABELED SHALL BE 3/4" DIAMETER.
3. CONTRACTOR TO VERIFY LOCATION OF ALL UTILITIES PRIOR TO INITIATION OF ANY DEMOLITION OR CONSTRUCTION OPERATIONS. ANY DAMAGE TO EXISTING UTILITIES SHALL BE CONTRACTOR'S RESPONSIBILITY.
4. COORDINATE ALL IRRIGATION INSTALLATION OPERATIONS WITH CIVIL, MECHANICAL, AND ELECTRICAL ENGINEERING SHEETS.
5. CONTRACTOR SHALL COORDINATE INSTALLATION OF IRRIGATION CONDUIT AND SLEEVES UNDER HARD SURFACES WITH RESPECTIVE CONTRACTORS.
6. ALL SLEEVES SHALL BE INSTALLED AS PART OF IRRIGATION CONTRACT. APPROXIMATE LOCATION OF SLEEVES ARE SHOWN ON THE IRRIGATION PLAN. FIELD VERIFY LOCATION. ALL ENDS OF SLEEVES SHALL BE TAPED OR CAPPED AND MARKED WITH A 2" X 4" PAINTED STAKE EXTENDING TO 24" ABOVE GRADE. STAKES SHALL NOT BE REMOVED UNTIL THE IRRIGATION SYSTEM IS COMPLETE. ALL SLEEVES SHALL EXTEND A MINIMUM OF 18" BEYOND BACK OF CURB OR EDGE OF PAVEMENT. PROVIDE COMPACTED BACKFILL AS NECESSARY AT HARD SURFACE LOCATIONS.
7. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND FEES REQUIRED FOR THIS WORK.
8. IRRIGATION CONTROLLER(S) ARE TO BE LOCATED AS SHOWN ON THE PLAN. CONTROLLERS SHALL BE WIRED TO POWER SUPPLY BY A LICENSED ELECTRICIAN PER LOCAL CODES. IRRIGATION CONTRACTOR TO PROVIDE ALL REQUIRED CONNECTIONS TO 24 VOLT IRRIGATION CONTROL WIRE INSIDE THE BUILDING THROUGH APPROPRIATE SIZED CONDUIT.
9. ALL HEADS ARE TO BE 4" POP-UP IN LAWN AREAS. IRRIGATED AREAS CONTAINING VEGETATION WHICH POTENTIALLY MAY IMPEDE PERFORMANCE OF A 4" POP-UP SPRINKLER ARE TO BE REPLACED WITH A 12" HIGH POP-UP SPRINKLER. ALL ELECTRICAL WORK TO MEET OR EXCEED N.E.C., STATE CODES, LOCAL CODES, AND MANUFACTURER'S RECOMMENDATIONS.
11. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ROCK AND DEBRIS BROUGHT TO THE SURFACE AS A RESULT OF TRENCHING OPERATIONS.
12. CONTRACTOR SHALL REFER TO SPECIFICATIONS AND DETAIL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
13. ALL 24 VOLT POWER WIRES SHALL BE #14 AWG SOLID COPPER. ALL ABOVE GROUND 120 VOLT AND 24 VOLT WIRE SHALL BE IN PVC CONDUIT. ALL 24 VOLT CONTROL WIRES SHALL BE LOCATED IN A 3/4" CONDUIT.
14. INSTALLATION SHALL COMPLY WITH ALL NATIONAL, STATE, AND LOCAL LAWS AND ORDINANCES.
15. IRRIGATION CONTRACTOR SHALL PROVIDE A COMPLETE AS-BUILT DRAWING IN PDF FORMAT UPON COMPLETION OF INSTALLATION AND PRIOR TO FINAL PAYMENT.
16. THE ENTIRE SYSTEM SHALL BE GUARANTEED TO BE COMPLETE AND PERFECT IN EVERY DETAIL FOR A PERIOD OF ONE YEAR FROM THE DATE OF ITS ACCEPTANCE. REPAIRS OR REPLACEMENTS OF ANY DEFECTS OCCURRING WITHIN THAT ONE YEAR SHALL BE FREE OF EXPENSE TO THE OWNER.
17. AS PART OF THIS CONTRACT, PERFORM AT NO EXTRA COST WINTERIZATION AND SPRING START-UP OF THE SYSTEM DURING THE GUARANTEE PERIOD (1 YEAR).
18. ALL MATERIALS SHALL BE NEW AND WITHOUT FLAWS OR DEFECTS OF THE QUALITY AND PERFORMANCE SPECIFIED, AND SHALL MEET THE REQUIREMENTS OF THIS SYSTEM. USE MATERIALS AS SPECIFIED, NO SUBSTITUTIONS SHALL BE PERMITTED WITHOUT PRIOR WRITTEN PERMISSION OF THE OWNER OR DESIGN PROFESSIONAL.
19. IRRIGATION CONTRACTOR SHALL MAKE NECESSARY MINOR FIELD ADJUSTMENTS TO SPRINKLER NOZZLES, SPRINKLERS, PIPE, AND OTHER IRRIGATION EQUIPMENT LOCATIONS TO FIT THE AS-BUILT SITE. ADJUST HEAD AND PIPE LOCATIONS AS REQUIRED TO AVOID DAMAGING EXISTING TREE ROOTS. ADJUSTMENTS SHALL ENSURE HEAD TO HEAD COVERAGE AND NOT OVER SPRAY THE BUILDING OR OTHER IMPROVEMENTS.
20. IRRIGATION PIPING LAYOUT IS SCHEMATIC. WHERE LINES ARE SHOWN BELOW PAVEMENT ADJACENT TO LANDSCAPE AREAS, THEY SHALL BE LOCATED IN THE LANDSCAPE AREA UNLESS SHOWN WITH A SLEEVE SYMBOL.
21. BASE PLAN AND LOCATION OF EXISTING EQUIPMENT ARE SCHEMATIC IN NATURE. FIELD VERIFY ALL BASE AND EXISTING IRRIGATION ELEVATIONS AND CONDITIONS PRIOR TO CONSTRUCTION AND PROVIDE NECESSARY ADJUSTMENTS.
22. IRRIGATION CONTRACTOR SHALL USE THE MANUFACTURER'S APPROVED PRESSURE REGULATING MODULE AS SPECIFIED TO ADJUST ZONE OPERATING PRESSURES TO AN AVERAGE OF 30 P.S.I. IN SPRAY ZONES AND 45 P.S.I. IN ROTOR ZONES.
23. ALL MAIN LINE FITTINGS SHALL BE SCHEDULE 40 SOLVENT WELD TYPE UNLESS NOTED FOR LATERAL SERVICE.
24. IN THE EVENT OF A DISCREPANCY, IMMEDIATELY NOTIFY THE DESIGN PROFESSIONAL.
25. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE CERTIFICATE OF COMPLETION, IRRIGATION SCHEDULING, LANDSCAPE AND IRRIGATION MAINTENANCE SCHEDULES, IRRIGATION AUDIT, IRRIGATION SURVEY, AND IRRIGATION WATER USE ANALYSIS.

DRIP IRRIGATION NOTES

1. ALL PLANTER BEDS SHALL BE IRRIGATED WITH AN INLINE EMITTER DRIP LINE IRRIGATION SYSTEM, HUNTER® HDL OR APPROVED EQUAL. ALL TREES IN THE NOTED AREA ARE TO BE IRRIGATED AS PER DETAIL 11/L2.5. THE CONTRACTOR IS RESPONSIBLE TO INSTALL THE DRIP SYSTEM AS PER MANUFACTURER'S RECOMMENDATIONS AND THE FOLLOWING REQUIREMENTS:
- A. AN INLINE EMITTER DRIP LINE TUBING SHALL BE USED. THE EMITTER SPACING SHALL BE TWELVE INCHES (12") AND THE EMITTER FLOWS ARE TO BE .6 G.P.H. LATERALS SHALL BE SPACED AT TWELVE INCHES (12").
- B. A MANUAL BASKET FILTER SHALL BE INSTALLED ON EACH ZONE SEE LEGEND FOR MODEL NUMBER. THE FILTER SHALL BE INSTALLED IN CONJUNCTION WITH AN ELECTRIC REMOTE CONTROL VALVE AS SPECIFIED (SIZE AS NOTED ON SCHEDULE). THE FILTER SHALL INCLUDE A 200 MESH STAINLESS STEEL SCREEN.
- C. ALL ZONES SHALL BE INSTALLED WITH A MANUAL LINE FLUSHING VALVE. INSTALL WITH COLLAR. SEE DETAIL 2/L2.0.
- D. ALL TUBING SHALL BE STAKED DOWN WITH T156 SIX INCH (6") SOIL STAPLES EVERY 3'-5' PLUS TWO ON EACH TEE, ELBOW OR CROSS.
2. THE CONTRACTOR IS RESPONSIBLE TO SCHEDULE A MEETING WITH THE DESIGN PROFESSIONAL AND THE OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH ANY IRRIGATION INSTALLATION IN ORDER TO REVIEW WORK TO BE DONE. NO CHANGES IN MATERIAL SPECIFIED OR TO THE DESIGN OF THE SYSTEM SHALL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE DESIGN PROFESSIONAL.
3. ALL PVC LATERAL LINES FROM VALVES TO HEADERS ARE TO BE BURIED AT MINIMUM DEPTH OF TWELVE INCHES (12"). SIZE AS NECESSARY. (SEE PIPE SIZING NOTES ON THIS SHEET.)
4. AFTER INSTALLATION OF THE IRRIGATION SYSTEM THE CONTRACTOR IS RESPONSIBLE TO PROVIDE THE OWNER WITH AS-BUILT DRAWINGS AND INSTRUCTIONS FOR MAINTENANCE OF THE DRIP SYSTEM.
5. PROVIDE DRIP LINE TO ENSURE EACH SHRUB AND TREE RECEIVES ADEQUATE IRRIGATION SO THAT THE OPTIMUM AMOUNT OF WATER IS APPLIED TO ENSURE THE HEALTH OF ALL PLANT MATERIAL. BURY DRIP LINE AT 5" MIN. BELOW GRADE, SEE DETAIL 10/L2.5. LOCATE DRIP LINE TO OBTAIN COMPLETE COVERAGE OF PLANTER AREAS, SEE DETAIL 10/L2.5. REFER TO NOTES, SPECIFICATIONS, AND DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

SYSTEM OPERATIONAL NOTES

SYSTEM OPERATION:
(BASED ON HISTORICAL CLIMATE)

CONTROLLER SETUP:

A CYCLING TECHNIQUE WILL BE USED FOR APPLICATION OF WATER, EACH STATION RUN TIME WILL BE APPLIED WITH THREE (3) DIFFERENT START TIMES. THEREFORE STATION RUN TIMES REFLECT ONE THIRD (1/3) THE TOTAL APPLICATION. PEAK WATER APPLICATION WILL REQUIRE IRRIGATION EVERY NIGHT. SET CONTROLLER'S FOR START TIME #1 AT 7:30P.M., START TIME #2 AT 12:00A.M., AND START TIME #3 AT 5:30A.M. EXTEND WATER WINDOW IF REQUIRED TO MEET PEAK WATER REQUIREMENTS.

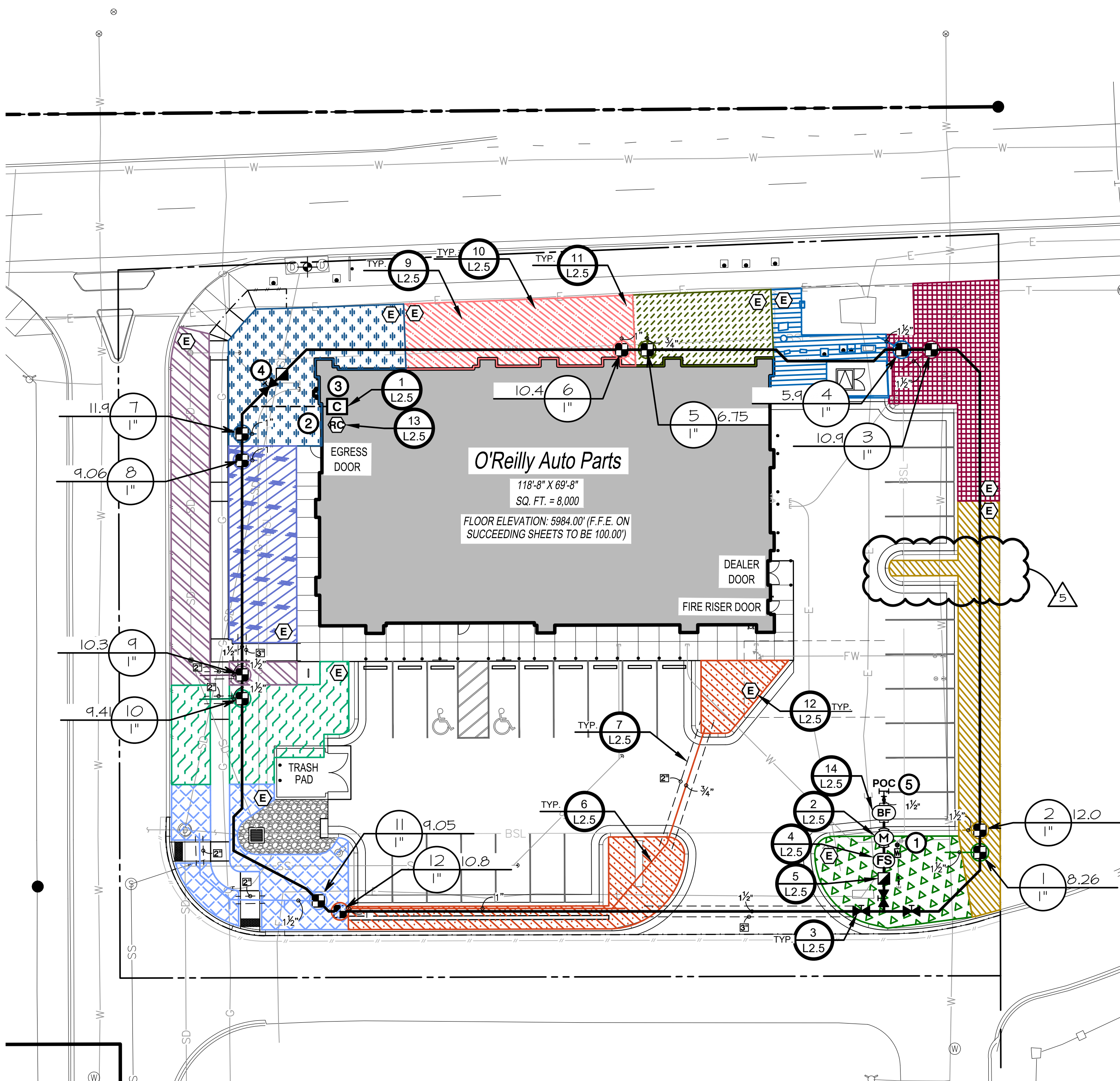
INITIAL STATION RUN TIMES:

DRIP ZONES: SHRUBS - 10 MINUTE CYCLES. (5 CYCLES MINIMUM SPACED EVENLY THROUGHOUT WATER WINDOW AS NOTED ABOVE)

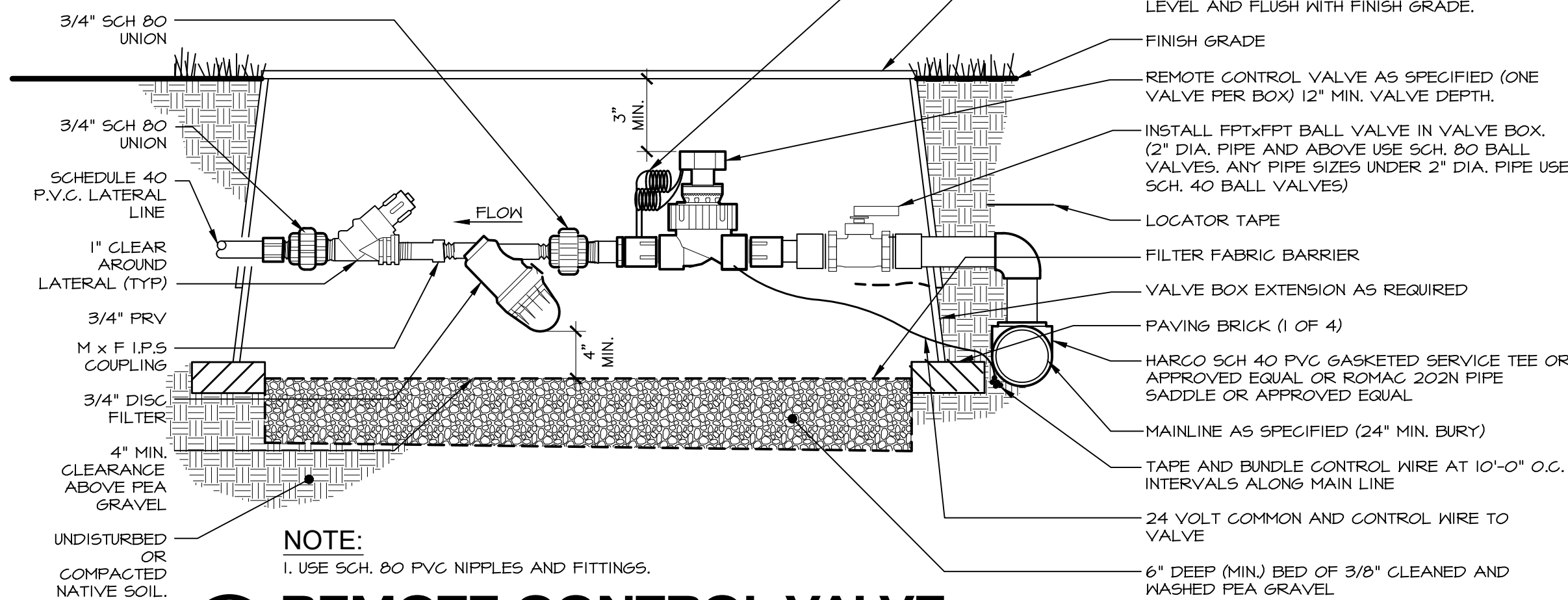
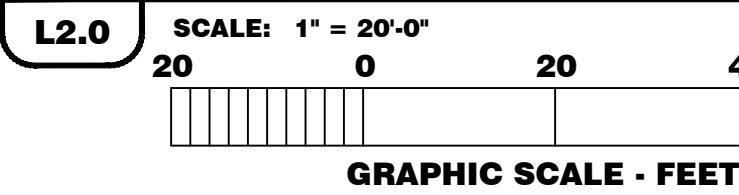
SPRAY ZONES: TURF - 5 MINUTE CYCLES.

SYSTEM BALANCING:

AS THE SYSTEM OPERATES, SOME ZONES WILL BE WET WHILE OTHERS ARE DRY. ADJUST ONLY THOSE STATIONS WHICH REQUIRE ADDITIONAL OR LESS WATER. FOR EXAMPLE, IF STATION T51, A 15' TURF SPRAY ZONE IS ALWAYS DRY, CHANGE THE STATION T51 RUN TIME FROM FIFTEEN (15) MINUTES TO SIXTEEN (16) MINUTES. CONTINUE MAKING ADJUSTMENTS UNTIL THE ZONE MOISTURE CONTENT IS ACCEPTABLE. USE NOZZLE CHANGES OR NOZZLE SCREW ADJUSTMENTS TO ADJUST WET AND DRY AREAS WITHIN A ZONE.



1 IRRIGATION PLAN

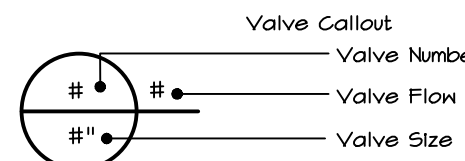


1 REMOTE CONTROL VALVE WITH 3/4" FILTER

NOT TO SCALE

IRRIGATION SCHEDULE

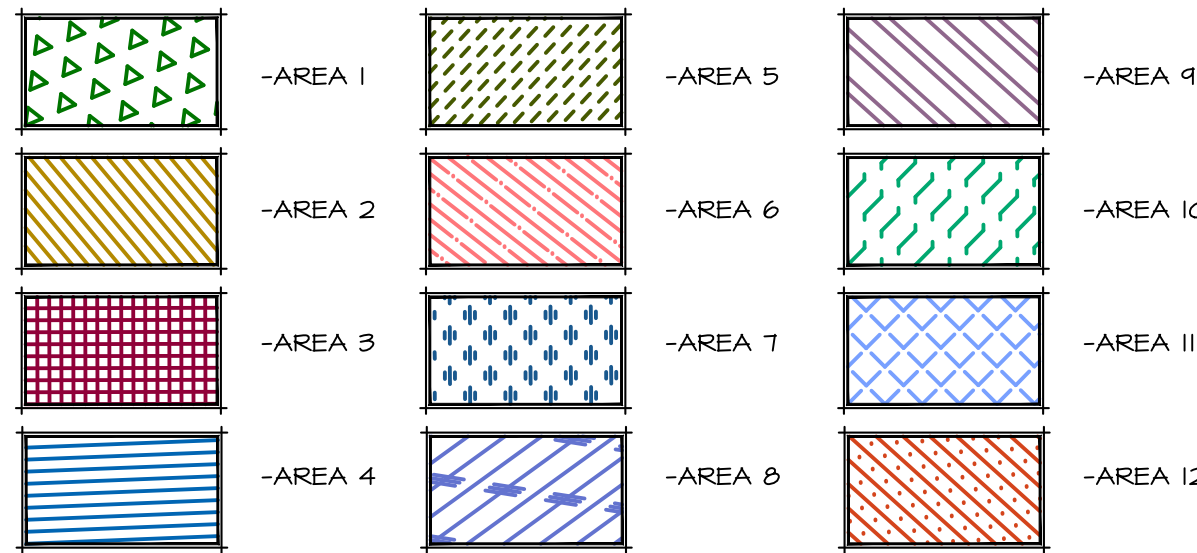
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
■	Hunter ICZ-101-25-LF Drip Control Zone Kit, 1in. 1CV globe Valve with 1in. HY100 Filter system. Pressure Regulation 25psi. Flow Range: .5 GPM to 15 GPM. 150 mesh stainless steel screen. See Detail 1/L2.0
SEE DRIP MATERIAL LEGEND	Area to Receive Dripline Hunter HDL-06-12-CV HDL-06-12-CV; Hunter Dripline w/ 0.6 GPH emitters at 12" O.C. Check valve, dark brown tubing with gray striping. Dripline laterals spaced at 12" apart, with emitters offset for triangular pattern, install with Hunter PLD barbed or PLD-LOC fittings. See Details 8-11/L2.5
■	Hunter HQ-5RC Quick coupler valve, yellow rubber cover, red brass and stainless steel, with 1in. NPT inlet, 1-piece body. See Detail 5/L2.5
⌘	Mueller® Brass Valve or approved equal. Threaded. See Detail 3/L2.5
(M)	Hunter 1CV-6-FS Size to match mainline. Plastic Electric Master Valve, Globe Configuration, with NPT Threaded Inlet/Outlet, for Commercial/Municipal use. With Filter Sentry Factory Installation, with NPT Threaded Inlet/Outlet, for Commercial/Municipal use. With Filter Sentry Factory Configuration. See Detail 2/L2.5
(BF)	Zum 350 Size to match mainline. Backflow Preventer w/ EZ5nap. See Detail 14/L2.5
(C)	Hunter PHC-12001 NI-FI enabled, full-functioning controller with touchscreen, 12-Station fixed controller, 120 VAC, Indoor model. See Detail 1/L2.5
(C)	Hunter RAIN-CLIK Rain Sensor, with conduit installation, mount as noted. Normally closed switch. See Detail 13/L2.5
(FS)	Hunter HC-100-FLOW Size to match mainline. Flow meter for use with Hydralise pressure controller to monitor flow and provide system alerts. Also functions as stand alone flow totalizer/sub meter on any residential or commercial irrigation system. See Detail 4/L2.5
POC	Point of Connection 1 1/2"
---	Irrigation Lateral Line: PVC Schedule 40 Only lateral transition pipe sizes 1" and above are indicated on the plan, with all others being 3/4". See Detail 64/L2.5
---	1 1/2" Irrigation Mainline: PVC Schedule 40. See Detail 64/L2.5
---	Schedule 40 PVC for electrical control wires, size as indicated on plans. Coordinate with Electrical.
---	Pipe Sleeve: PVC Schedule 40.



VALVE SCHEDULE

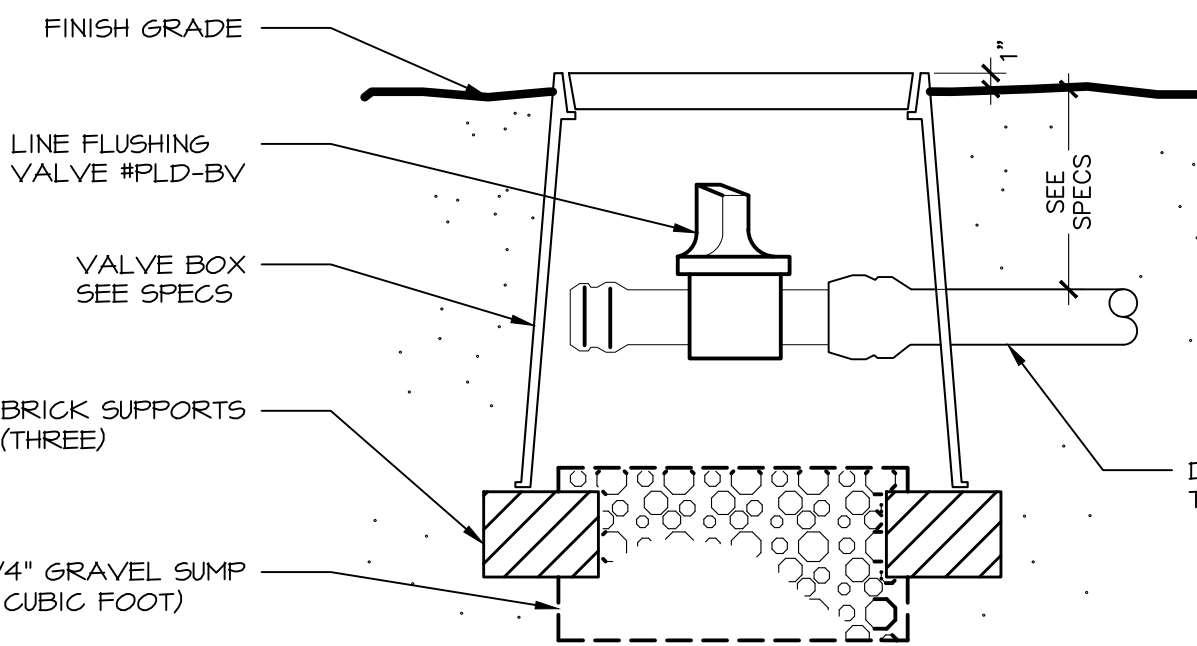
NUMBER	MODEL	SIZE	TYPE	GPM
1	Hunter ICZ-101-25-LF-R	1"	Area for Dripline	8.26
2	Hunter ICZ-101-25-LF-R	1"	Area for Dripline	12.01
3	Hunter ICZ-101-25-LF-R	1"	Area for Dripline	10.40
4	Hunter ICZ-101-25-LF-R	1"	Area for Dripline	5.40
5	Hunter ICZ-101-25-LF-R	1"	Area for Dripline	6.15
6	Hunter ICZ-101-25-LF-R	1"	Area for Dripline	10.44
7	Hunter ICZ-101-25-LF-R	1"	Area for Dripline	11.85
8	Hunter ICZ-101-25-LF-R	1"	Area for Dripline	4.06
9	Hunter ICZ-101-25-LF-R	1"	Area for Dripline	10.39
10	Hunter ICZ-101-25-LF-R	1"	Area for Dripline	4.41
11	Hunter ICZ-101-25-LF-R	1"	Area for Dripline	4.05
12	Hunter ICZ-101-25-LF-R	1"	Area for Dripline	10.14

DRIP MATERIAL LEGEND



2 MANUAL LINE FLUSHING VALVE PLUMBED TO TUBING

NOT TO SCALE



CALLOUT LEGEND

- 1 CONNECT NEW 1 1/2" MAINLINE TO SERVICE IN THIS APPROXIMATE LOCATION (FIELD VERIFY). SEE CIVIL PLANS FOR ADDITIONAL INFORMATION.
- 2 2" WIRE SLEEVE, ROUTE TO CONTROLLER LOCATION PER LOCAL CODES AS REQUIRED.
- 3 INDOOR WALL MOUNT IRRIGATION CONTROLLER IN THIS APPROXIMATE LOCATION AS REQUIRED. CONNECT 120 VOLT AS REQUIRED. ALL ABOVE GRADE WIRES SHALL BE LOCATED IN APPROPRIATELY SIZED CONDUIT (2" MINIMUM). IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH CERTIFIED ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL CONNECTIONS. IRRIGATION CONTRACTOR SHALL ENSURE ALL CONTROLLER OPTIONS AND ZONES ARE FULLY OPERATIONAL AFTER TRENCHING HAS FINISHED. CONTROLLER LOCATION TO BE OWNER APPROVED. REVISE LOCATION AS REQUIRED FOR OWNER APPROVAL.
- 4 EXTEND EXTRA WIRES TO THIS POINT. COIL APPROXIMATELY 24" LENGTH OF EXTRA WIRES IN SEPARATE VALVE BOX AT THIS LOCATION.
- 5 IRRIGATION MATERIALS SHOWN IN HARDSCAPE IS FOR GRAPHIC CLARITY ONLY, AND SHALL BE LOCATED IN ADJACENT LANDSCAPING.

PRESSURE ANALYSIS

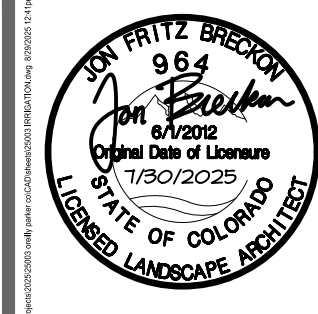
P.O.C. NUMBER: 01
Water Source Information:

FLOW AVAILABLE
Point of Connection Size: 1 1/2"
Flow Available: 46.54 GPM

PRESSURE AVAILABLE
Static Pressure at POC: 60 PSI
Pressure Available: 60 PSI

DESIGN ANALYSIS
Maximum Station Flow: 11.85 GPM
Flow Available at POC: 46.54 GPM
Residual Flow Available: 34.71 GPM

Critical Station:
Design Pressure: 2 PSI
Friction Loss: 0.36 PSI
Fittings Loss: 0.03 PSI
Elevation Loss: 0 PSI
Loss through Valve: 4.21 PSI
Pressure Req. at Critical Station: 37.3 PSI
Loss for Fittings: 0.03 PSI
Loss for Main Line: 0.28 PSI
Loss for POC to Valve Elevation: 0 PSI
Loss for Backflow: 4.14 PSI
Loss for Master Valve: 3 PSI
Critical Station Pressure at POC: 44.8 PSI
Pressure Available: 60 PSI
Residual Pressure Available: 15.2 PSI



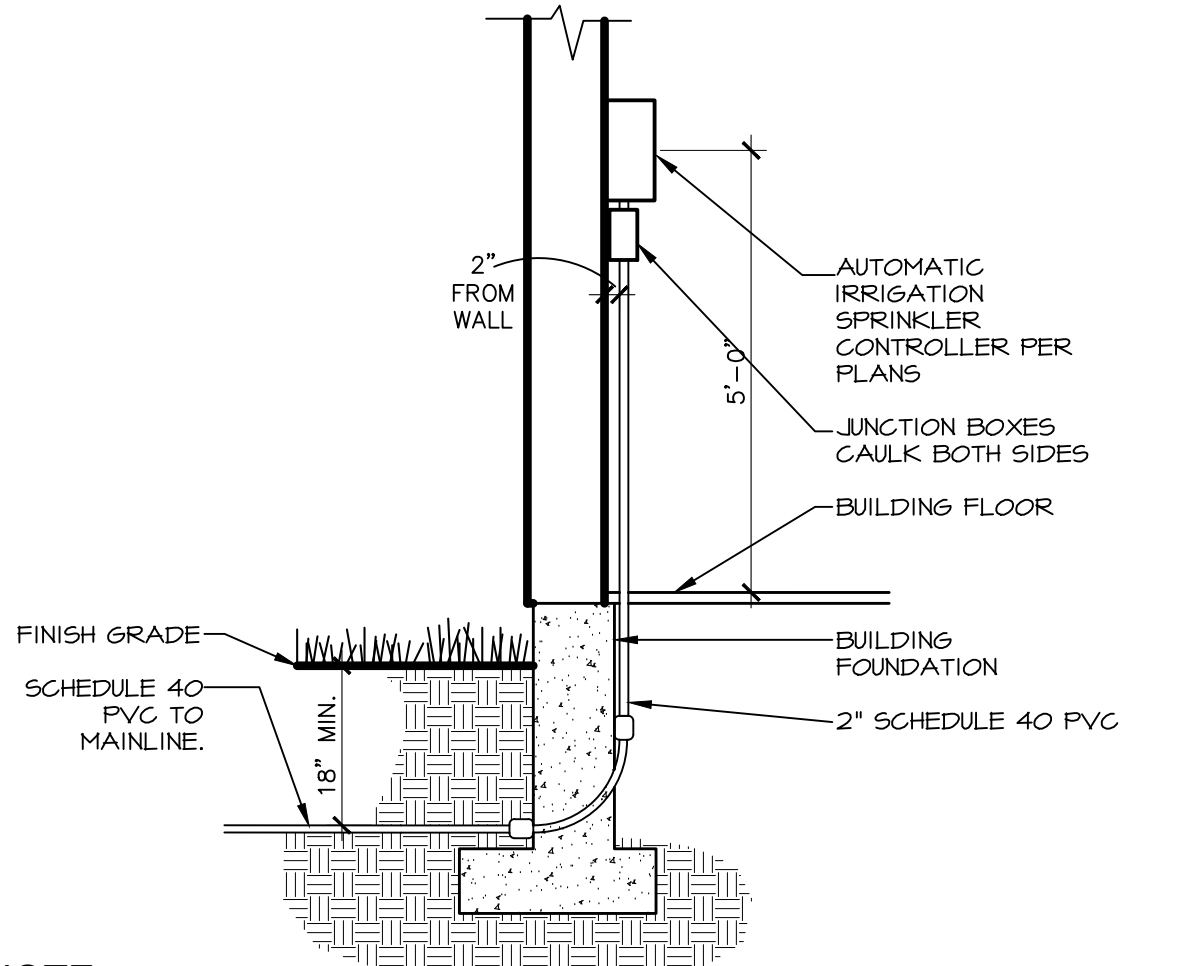
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PROJECT:
NEW O'REILLY AUTO PARTS STORE
13111 REATA RIDGE DRIVE
PARKER, CO #2
IRRIGATION PLAN



COMM #	4884
DATE:	2-14-2025
REVISION	
DATE:	5-2-2025
	7-1-2025
	8-22-2025
	9-3-2025

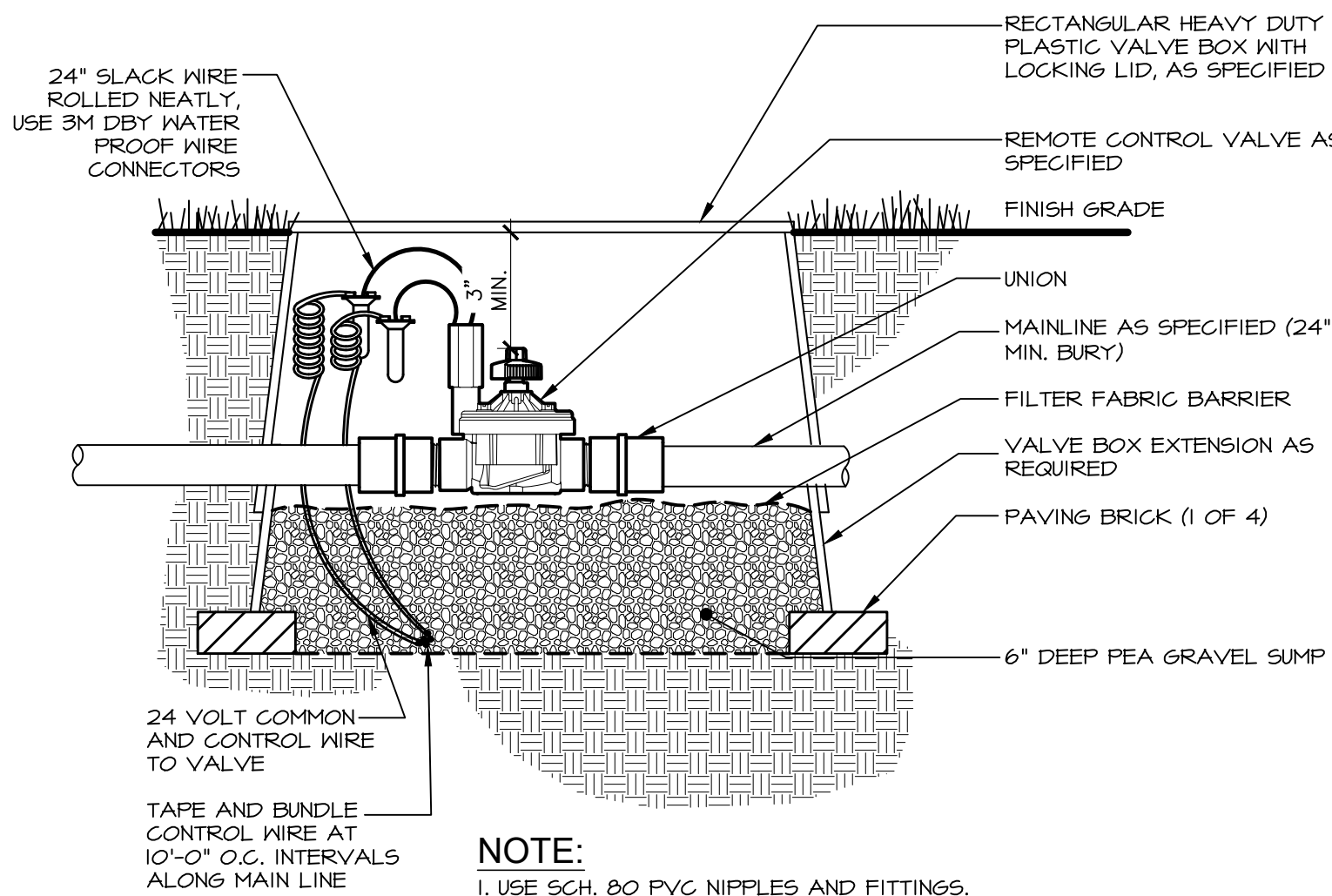
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NOTE:
1. COORDINATE CONDUIT INSTALLATION WITH ELECTRICAL AND FOUNDATION INSTALLATION.

1 AUTOMATIC IRRIGATION CONTROLLER

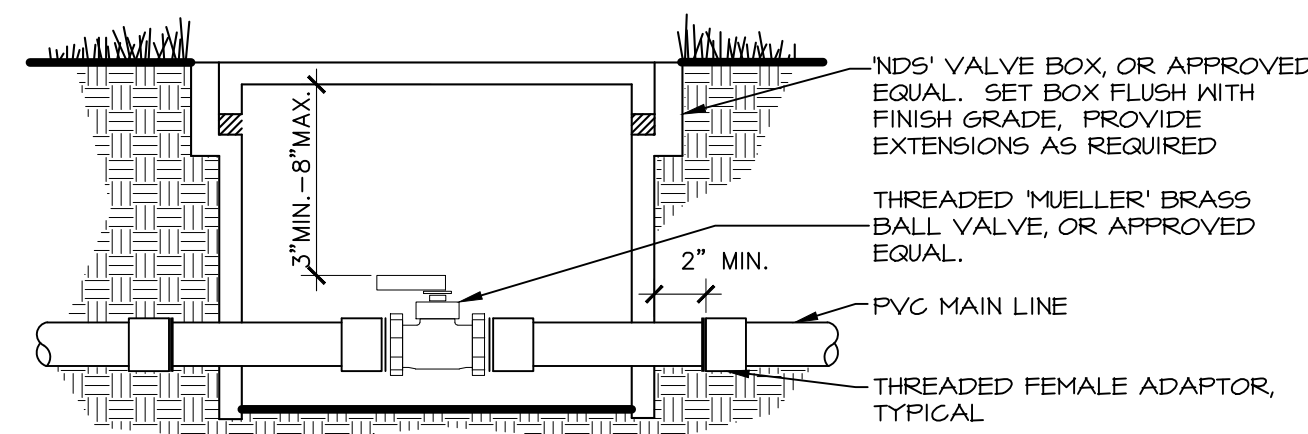
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NOTE:
1. USE SCH. 80 PVC NIPPLES AND FITTINGS.

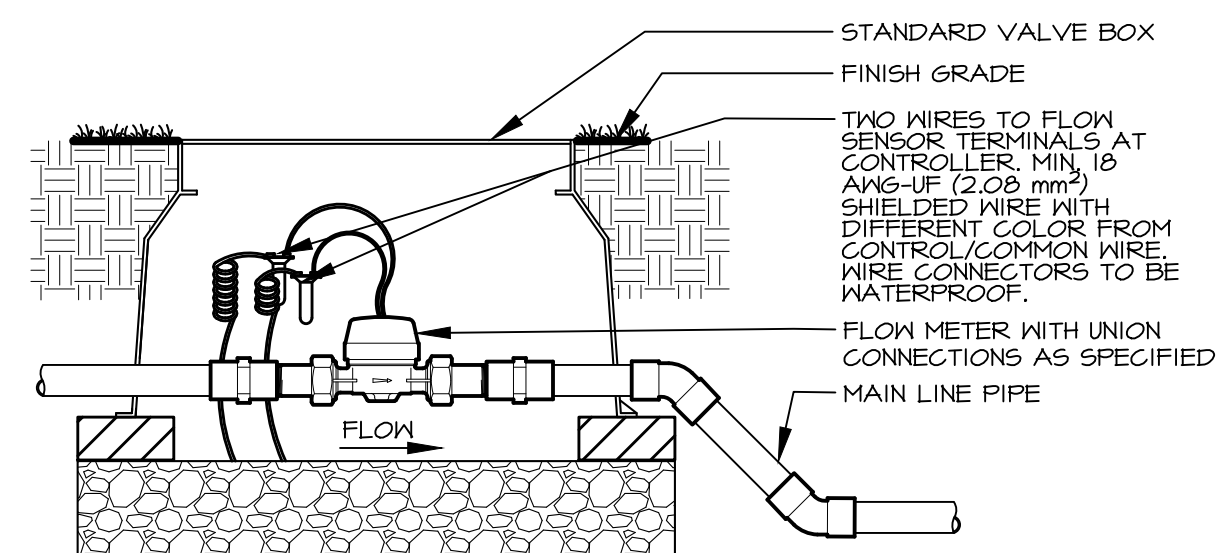
2 MASTER VALVE

NOT TO SCALE



3 ISOLATION VALVE

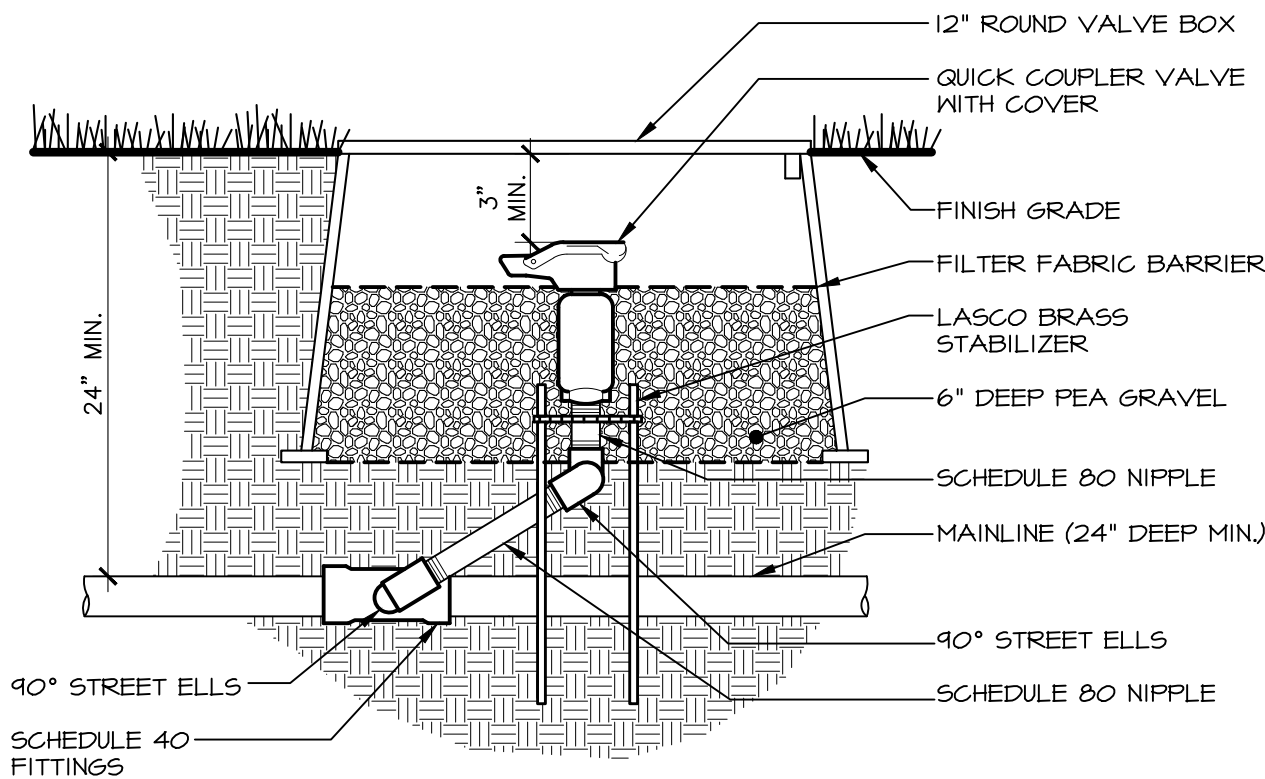
NOT TO SCALE



NOTE:
INLET PIPE LENGTH OF SENSOR MUST BE MIN. 10X PIPE DIA. STRAIGHT, CLEAN RUN OF PIPE, NO FITTINGS OR TURNS. OUTLET PIPE LENGTH OF SENSOR MUST BE MIN. 5X PIPE DIA. OF STRAIGHT, CLEAN RUN OF PIPE, NO FITTINGS OR TURNS. FITTINGS TO BE SCH 80 PVC, SOLVENT WELD.

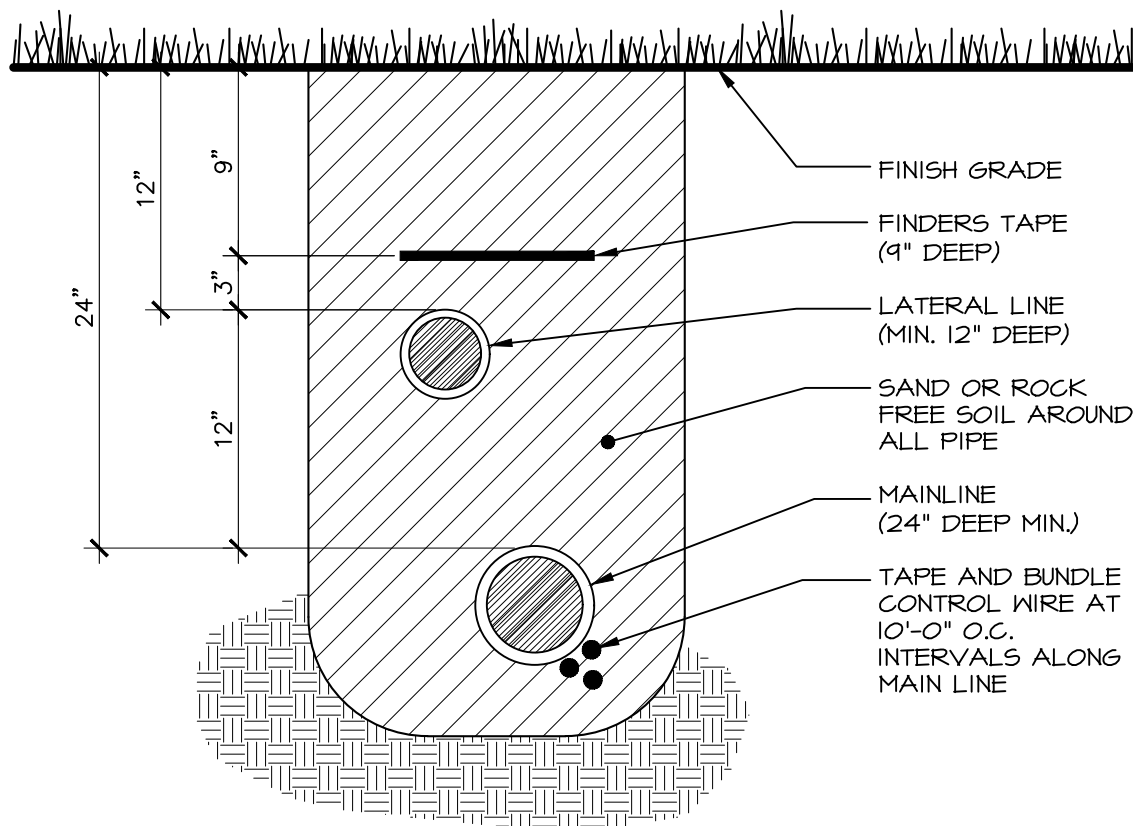
4 FLOW METER

Scale: NTS



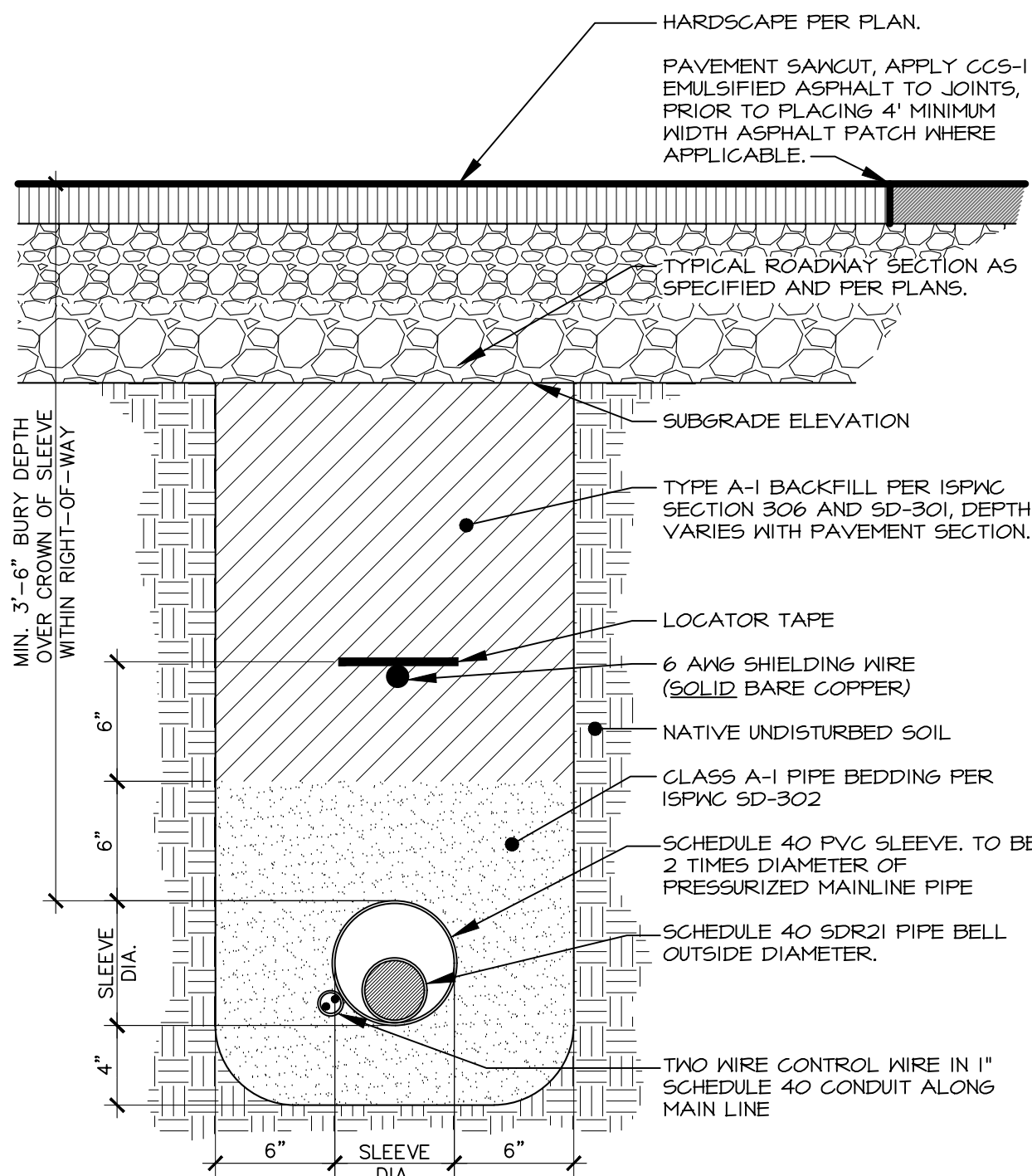
5 QUICK COUPLER VALVE

NOT TO SCALE



6 TRENCH SECTION

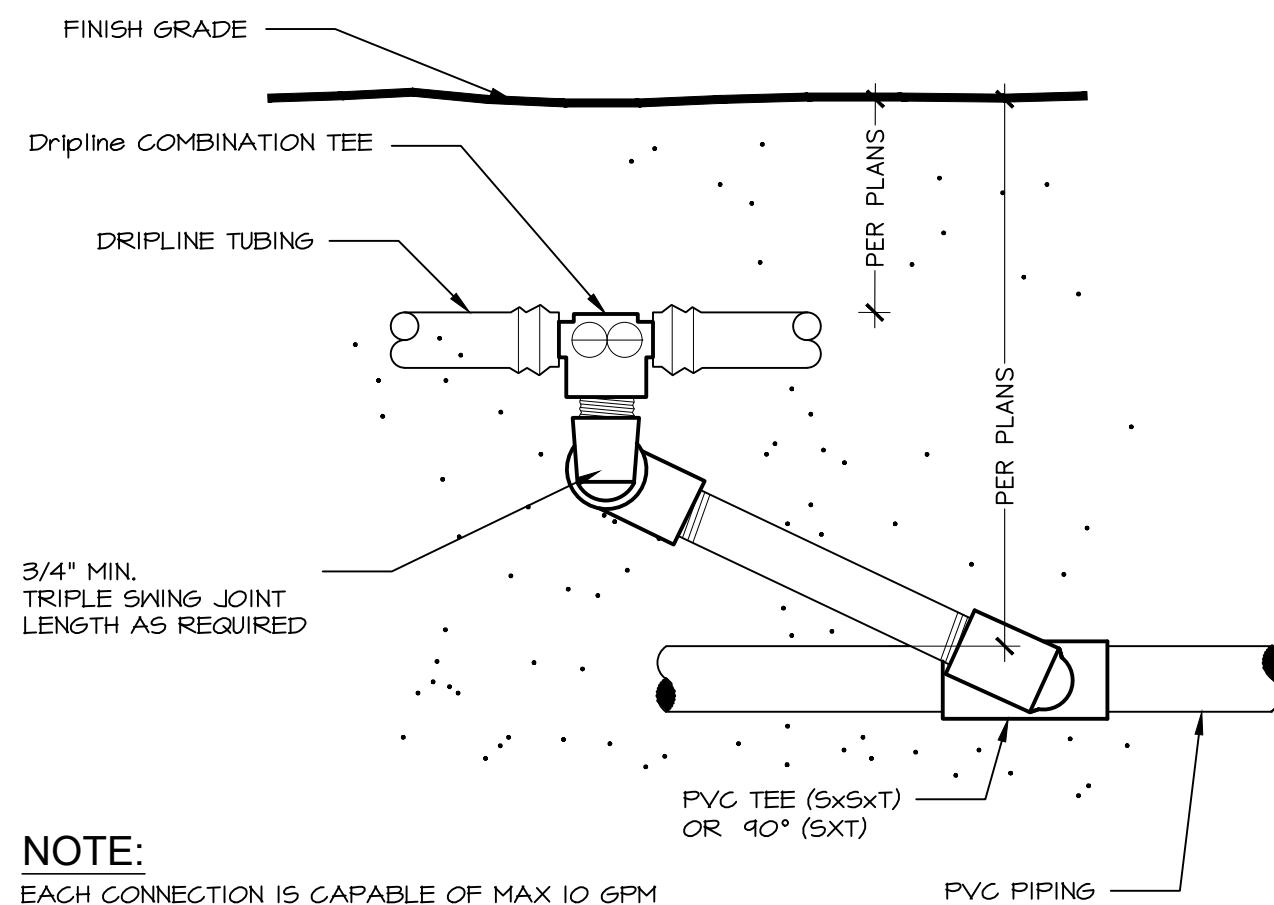
NOT TO SCALE



NOTE:
1. COORDINATE WITH OTHER CONTRACTORS TO INSTALL SLEEVE, CONDUIT, FINDER TAPE AND LOCATING WIRE PRIOR TO INSTALLATION OF ROADWAY IF APPLICABLE.
2. ROAD CROSSING INSTALLATION REQUIREMENTS APPLY WITH THE FULL EXTENT OF THE RIGHT-OF-WAY.
3. IN CASE OF CONFLICTS WITH OTHER UTILITIES, IRRIGATION SLEEVE SHALL CROSS BELOW OTHER UTILITIES.
4. THE CONTRACTOR SHALL CONSTRUCT ALL ROAD CROSSINGS OF THE IRRIGATION PIPE AND POTABLE WATER PIPE IN ACCORDANCE WITH THE IDAHO RULES FOR PUBLIC DRINKING WATER SYSTEMS AND THE ISFNC SD-407.

7 HARDSCAPE CROSSING TRENCH SECTION

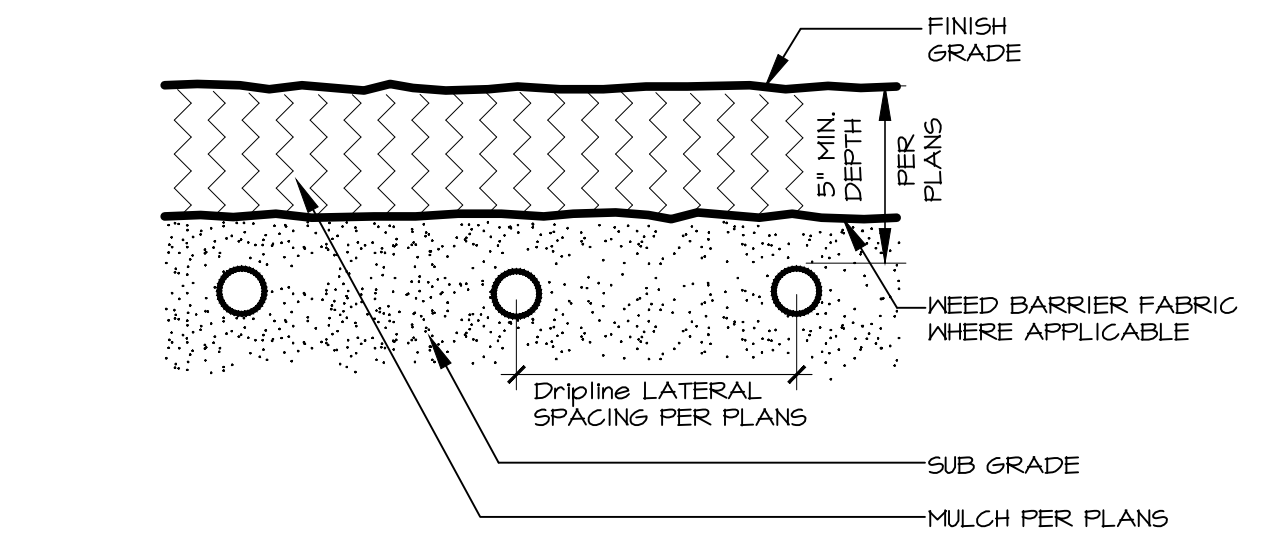
Scale: 1-1/2" = 1'-0"



NOTE:
EACH CONNECTION IS CAPABLE OF MAX 10 GPM

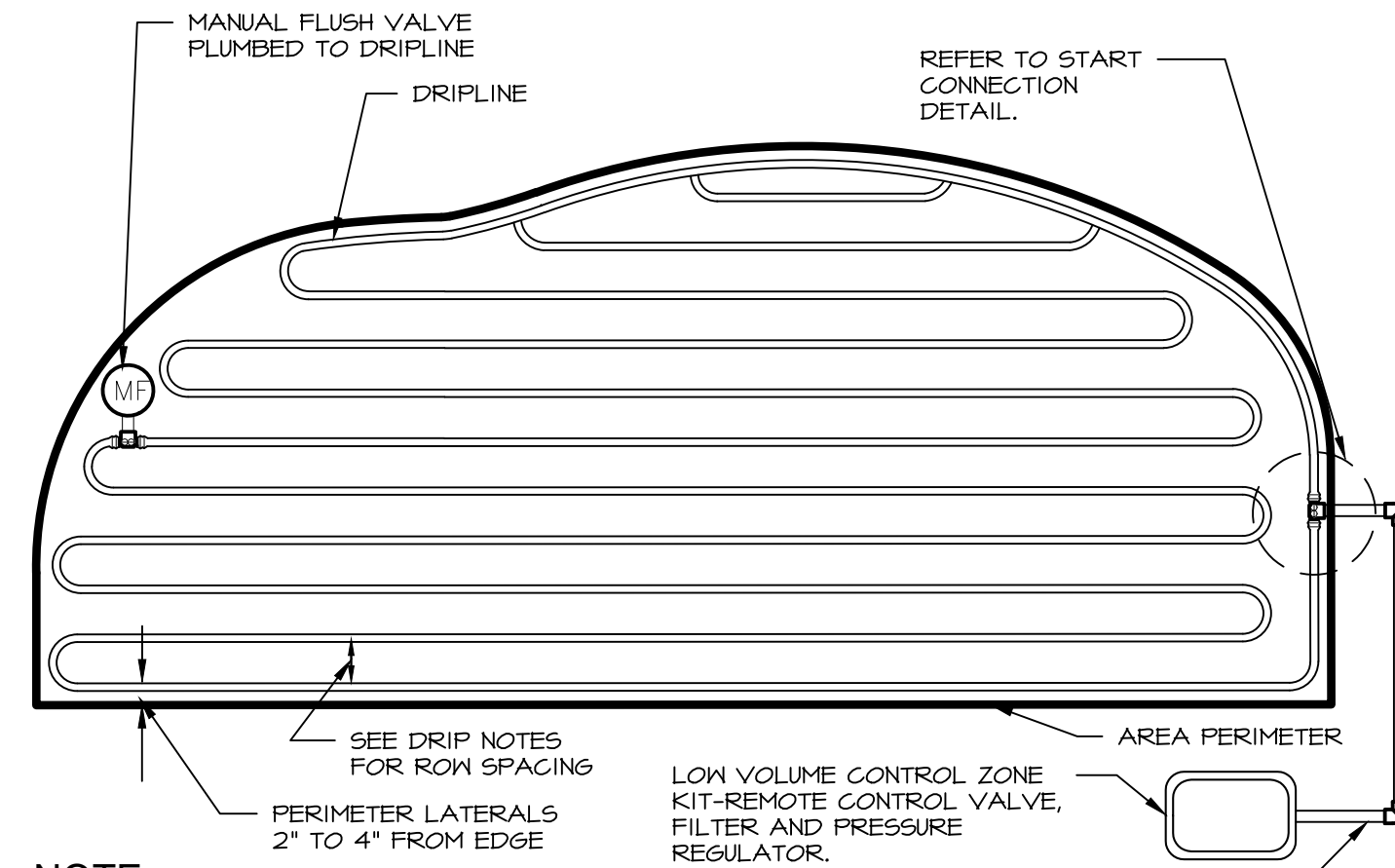
8 DRIPLINE START CONNECTION

NOT TO SCALE



9 DRIPLINE SUBGRADE INSTALLATION

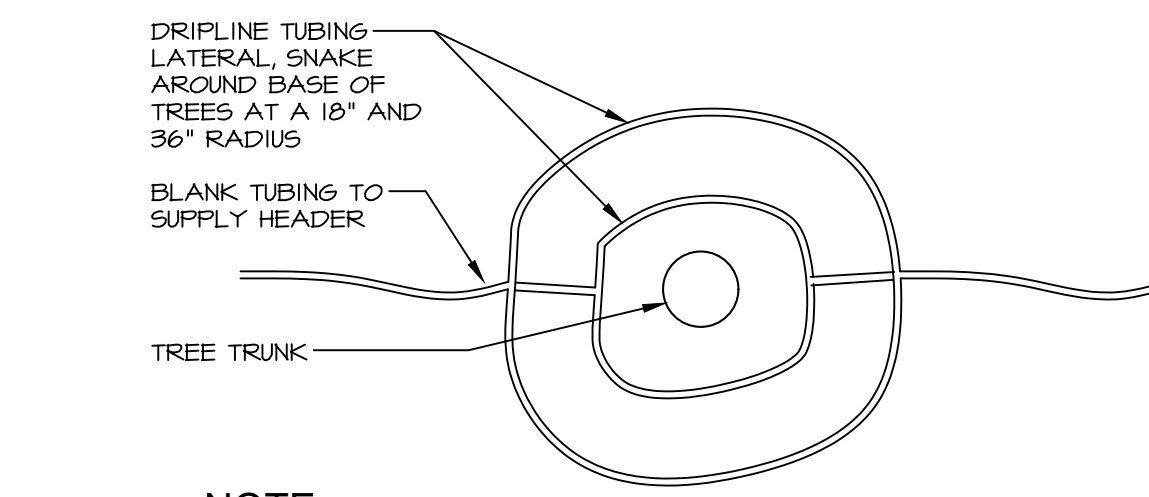
NOT TO SCALE



NOTE:
1. CENTER FEED LITE LAYOUTS ALLOW 2X MAX TUBING LENGTH OF STANDARD LAYOUTS.
2. PLACE SOIL STAPLE EVERY 3'-5\"/>

10 DRIPLINE LAYOUT

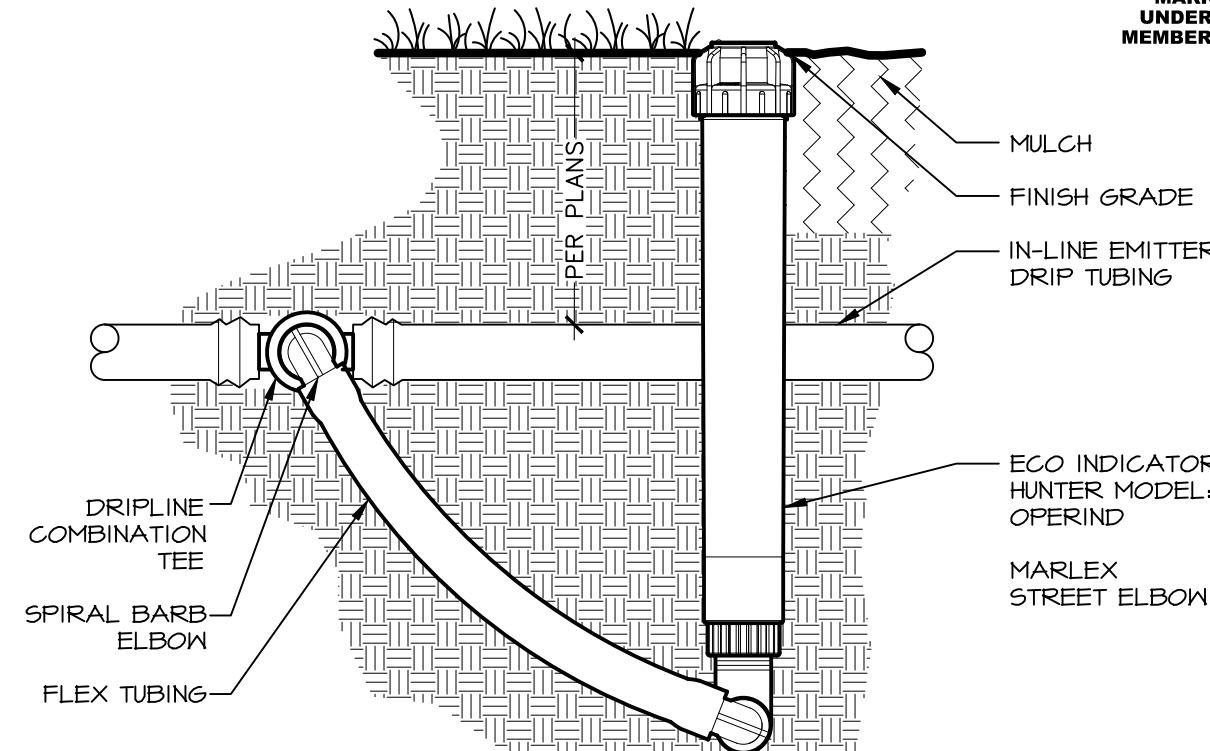
NOT TO SCALE



NOTE:
1. TO BE USED AT ALL TREES PLANTED WITHIN AREA NOTED ON PLAN.

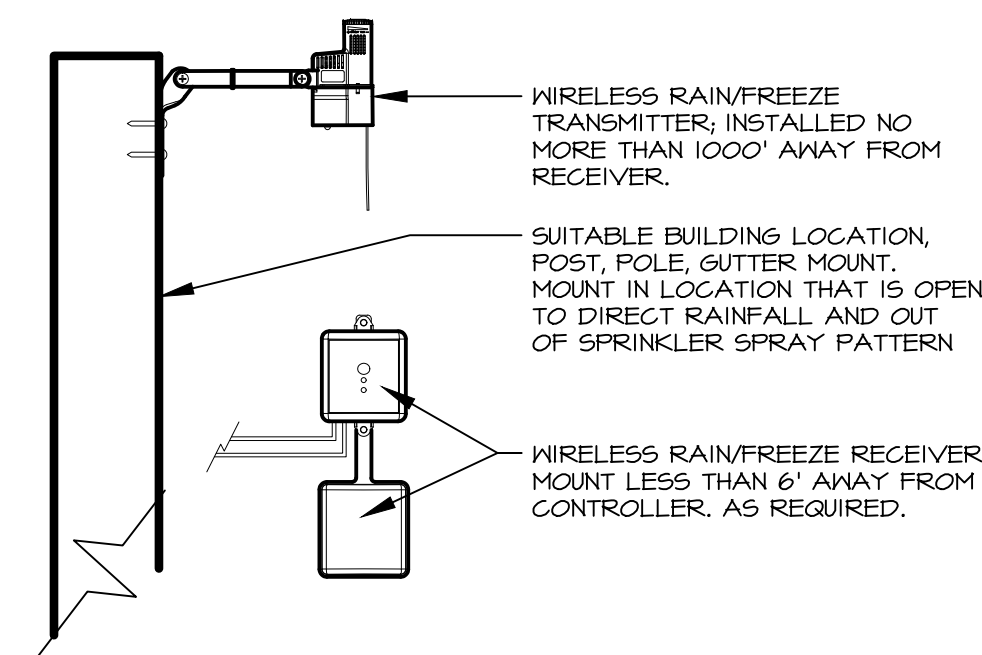
11 DRIPLINE LAYOUT AT TREES

NOT TO SCALE



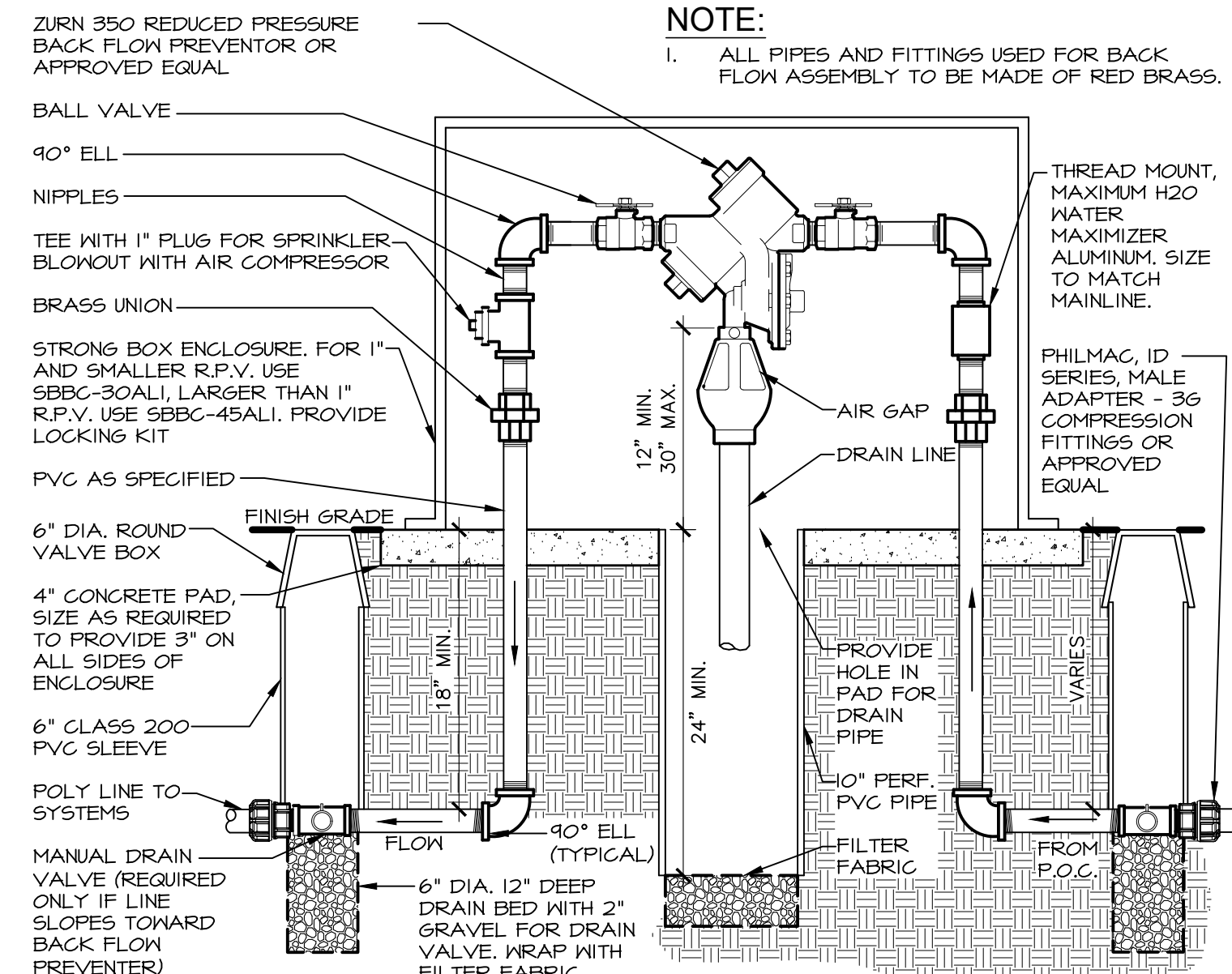
12 ECO INDICATOR

NOT TO SCALE



13 WIRELESS RAIN/FREEZE CLIK SYSTEM

Scale: NTS



NOTE:
1. ALL PIPES AND FITTINGS USED FOR BACK FLOW ASSEMBLY TO BE MADE OF RED BRASS.

14 REDUCED PRESSURE BACK FLOW PREVENTER

NOT TO SCALE



Know what's below. Call before you dig. CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

PROJECT: NEW O'REILLY AUTO PARTS STORE

STROH RD
PARKER, CO #2

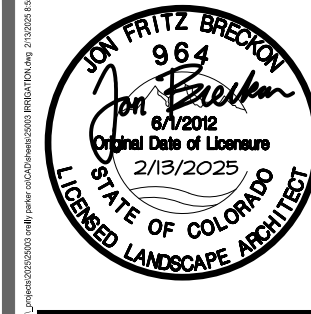
IRRIGATION DETAILS

O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
ST. LOUIS, MISSOURI 63102
(417) 582-2674 TELEPHONE

COMM # 4884
DATE: 2-14-2025
REVISION
DATE:

TIMOTHY M. GUILLOT
ARCHITECT

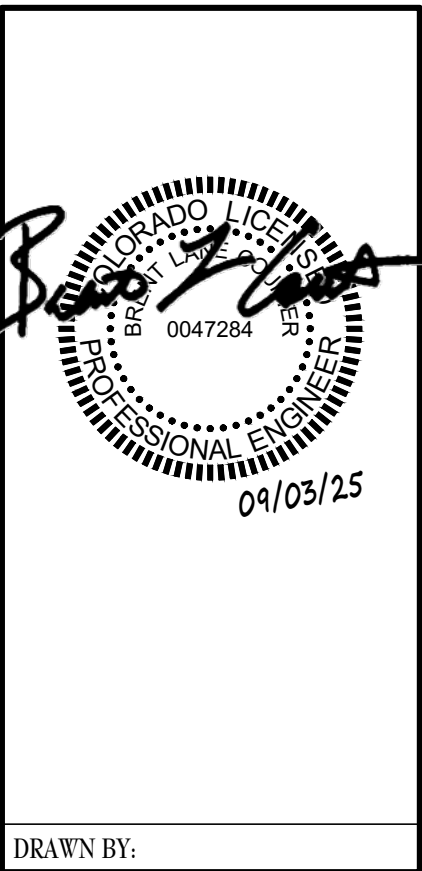
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Fax: 417.862.3265
e-mail: architect@estieryschneider.com



EXTERIOR LIGHT FIXTURE SCHEDULE														
ALL ITEMS LISTED ON THE "LIGHT FIXTURE SCHEDULE" WILL BE SUPPLIED BY THE OWNER (O'REILLY). ITEMS SHALL BE DIRECT ORDERED AND OR RELEASED FROM THE LISTED ELECTRICAL EQUIPMENT DISTRIBUTOR:					SOURCEONE SOLUTIONS 4341 GREEN ASH DRIVE EARTH CITY, MO 63045					SOURCEONE SOLUTIONS O'REILLY TEAM EMAIL: nco'reilly@sourceonesolutions.com PHONE: 314-499-6400				
MARK	MFR.	CATALOG NUMBER	SUPPLY VOLTAGE	FINISH	SURFACE WALL	MOUNTING		LAMPS		QUANTITY	WATTAGE	NOTES	FIXTURE QUANTITY	
						SURF. CEILING	OTHER	FLUORESCENT	TYPE					
									LED					OTHER
LED EXTERIOR LIGHTS														
WS1	LSI	XWM-FT-LED-06L-50-UE-BRZ NO SUBSTITUTIONS	120	DARK BRONZE	X			X		1	45	FULL CUT-OFF, BUG RATING B1-U0-G1. ARCHITECTURAL ELEVATIONS SHOW DIMENSIONED LOCATIONS.	4	
WSP	LSI	XWM-FT-LED-04L-50-UE-BRZ-PC120 NO SUBSTITUTIONS	120	DARK BRONZE	X			X		1	30	FULL CUT-OFF, BUG RATING B1-U0-G1. ARCHITECTURAL ELEVATIONS SHOW DIMENSIONED LOCATIONS.	1	
LED POLE LIGHTS														
P1	LSI	MRM-LED-18L-SIL-FT-UNV-DIM-50-70CRI-BRZ-IL	120	DARK BRONZE			X	X		1	135	22.5' POLE LENGTH, ADVANCE BALLASTS, FULL CUT-OFF, NO SUBSTITUTIONS. ANCHOR BOLTS W/HARDWARE & TEMPLATE, WITH INTERNAL LOUVER HOUSE SIDE SHIELD, BUG RATING B2-U0-G3	2	
	LSI	SSQB3-S11G-25-S-BRZ-LAB-5BC					X	X		1	135	22.5' POLE LENGTH, ADVANCE BALLASTS, FULL CUT-OFF, NO SUBSTITUTIONS. ANCHOR BOLTS W/HARDWARE & TEMPLATE, WITH INTERNAL LOUVER HOUSE SIDE SHIELD, BUG RATING B2-U0-G3	2	
P2	LSI	MRM-LED-12L-SIL-FT-UNV-DIM-50-70CRI-BRZ-IL	120	DARK BRONZE			X	X		1	85	22.5' POLE LENGTH, ADVANCE BALLASTS, FULL CUT-OFF, NO SUBSTITUTIONS. ANCHOR BOLTS W/HARDWARE & TEMPLATE, WITH INTERNAL LOUVER HOUSE SIDE SHIELD, BUG RATING B2-U0-G3	1	
	LSI	SSQB3-S11G-25-S-BRZ-LAB-5BC					X	X		1	85	22.5' POLE LENGTH, ADVANCE BALLASTS, FULL CUT-OFF, NO SUBSTITUTIONS. ANCHOR BOLTS W/HARDWARE & TEMPLATE, WITH INTERNAL LOUVER HOUSE SIDE SHIELD, BUG RATING B2-U0-G3	1	
FIXTURE QUANTITY TO BE VERIFIED WITH SITE PLAN QUANTITY														

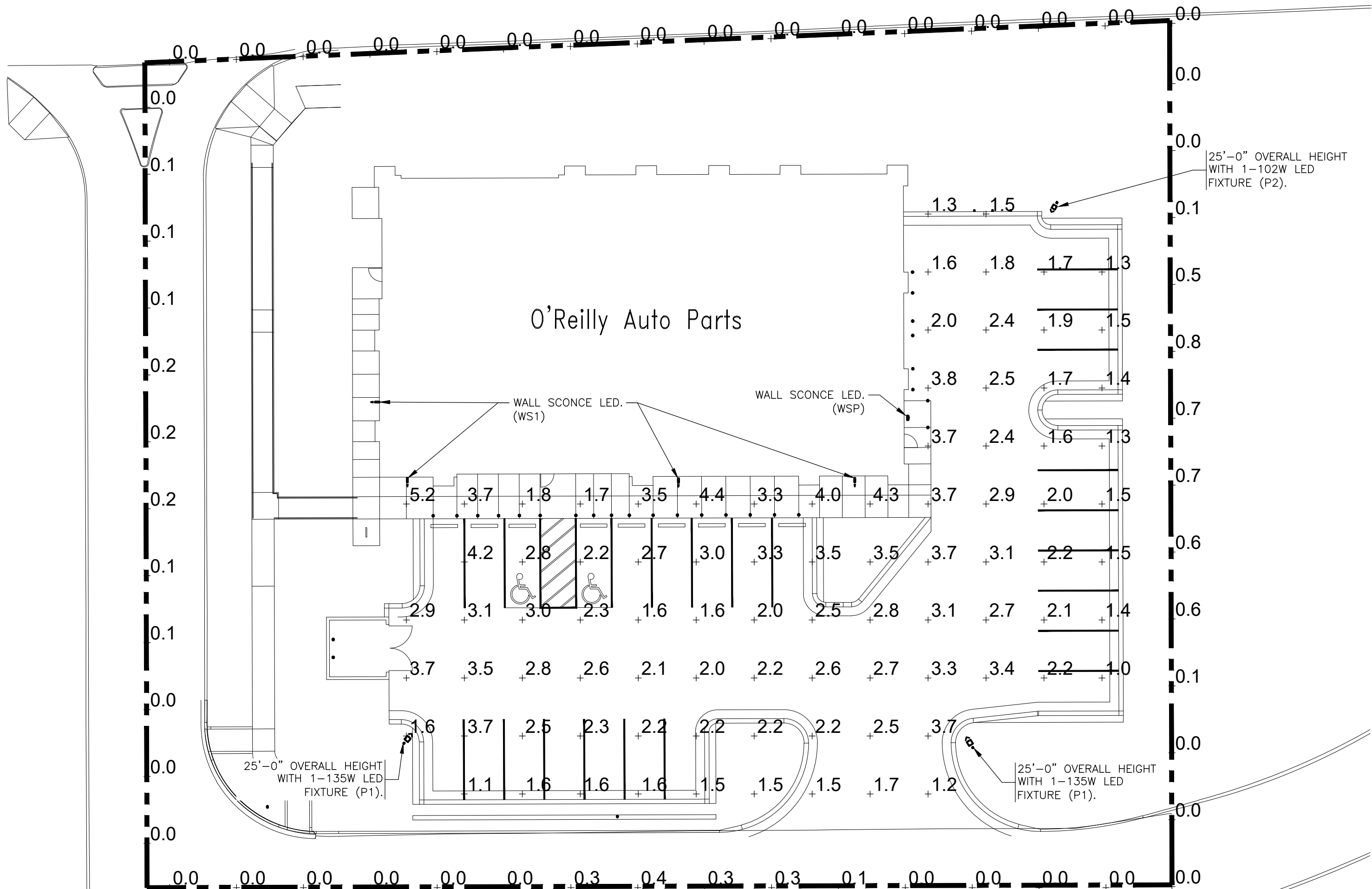
BACKLIGHT-UGLIGHT-GLARE (BUG) RATING / FULL CUTOFF														
ALL "LSI MRM" & "XWM" LED FIXTURES HAVE ZERO UPLIGHT AND ARE CONSIDERED FULL CUT OFF AND DARKSKY COMPLIANT. THE DELIVERED LUMEN CHART BELOW APPLIES TO "LSI XWM" FIXTURES AND CONFIRMS THAT IN EVERY CONFIGURATION THE FIXTURE PRODUCES ZERO UPLIGHT (U = 0). BUG RATING CHART FOR "LSI MRM" FIXTURES IS FOUND ON CORRESPONDING "SP" SHEETS.														
DELIVERED LUMENS*														
Lumen Package	Distribution	CRI	2700K			3000K			4000K			5000K		
			Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating
03L	2	70	2703	120	B1-U0-G1	2822	125	B1-U0-G1	3088	137	B1-U0-G1	3088	137	B1-U0-G1
	3	70	2752	122	B1-U0-G1	2873	127	B1-U0-G1	3144	139	B1-U0-G1	3144	139	B1-U0-G1
	FT	70	2718	120	B1-U0-G1	2838	126	B1-U0-G1	3105	137	B1-U0-G1	3105	137	B1-U0-G1
04L	2	70	3646	120	B1-U0-G1	3702	125	B1-U0-G1	4051	137	B1-U0-G1	4051	137	B1-U0-G1
	3	70	3610	122	B1-U0-G1	3769	128	B1-U0-G1	4124	140	B1-U0-G1	4124	140	B1-U0-G1
	FT	70	3655	121	B1-U0-G1	3722	126	B1-U0-G1	4073	138	B1-U0-G1	4073	138	B1-U0-G1
06L	2	70	5274	118	B2-U0-G1	5506	123	B2-U0-G2	6025	135	B2-U0-G2	6025	135	B2-U0-G2
	3	70	5369	120	B1-U0-G1	5606	125	B1-U0-G1	6134	137	B1-U0-G2	6134	137	B1-U0-G2
	FT	70	5303	119	B1-U0-G2	5536	124	B1-U0-G2	6058	136	B1-U0-G2	6058	136	B1-U0-G2
08L	2	70	6996	113	B2-U0-G2	7304	116	B2-U0-G2	7993	129	B2-U0-G2	7993	129	B2-U0-G2
	3	70	7123	115	B1-U0-G2	7437	120	B1-U0-G2	8136	131	B2-U0-G2	8136	131	B2-U0-G2
	FT	70	7035	113	B1-U0-G2	7345	116	B2-U0-G2	8037	130	B2-U0-G2	8037	130	B2-U0-G2
12L	2	70	10516	103	B2-U0-G2	10979	107	B3-U0-G3	12014	118	B3-U0-G3	12014	118	B3-U0-G3
	3	70	10707	105	B2-U0-G2	11178	109	B2-U0-G2	12232	120	B2-U0-G2	12232	120	B2-U0-G2
	FT	70	10574	103	B2-U0-G3	11040	108	B2-U0-G3	12080	118	B2-U0-G3	12080	118	B2-U0-G3

AUTOMATIC LIGHTING CONTROL									
COMPLIANCE WITH ENERGY CODE IS ACHIEVED BY:									
1. ONCE THE EMS HAS BEEN PROGRAMMED, THE INTERIOR AND EXTERIOR LIGHTS WILL TURN ON AND OFF USING THE FOLLOWING LOGIC: SEE EM SHEETS.									
INTERIOR WORK LIGHTS WILL TURN ON WITH FIRST MOTION IN THE STORE AND WILL TURN OFF 15 MINUTES AFTER LAST MOTION ONCE THE STORE IS CLOSED.									
INTERIOR SALES LIGHTS WILL TURN ON AT STORE OPENING AND TURN OFF 15 MINUTES AFTER STORE CLOSING.									
EXTERIOR SIGN LIGHTS WILL TURN ON WHEN ITS DARK ENOUGH OUTSIDE ANYTIME DURING STORE HOURS, AND WILL TURN OFF AT STORE CLOSING.									
EXTERIOR SITE LIGHTS WILL TURN ON WHEN IT IS DARK ENOUGH OUTSIDE AND IT IS WITHIN STORE HOURS OR THERE IS MOTION IN THE STORE. THEY WILL TURN OFF 30 MINUTES AFTER LAST MOTION ONCE THE STORE IS CLOSED.									
FOR NEW CONSTRUCTION LOCATIONS ONLY, THERE IS A TEMPORARY PROGRAM TO KEEP SIGN AND SITE LIGHTS ON UNTIL MIDNIGHT RATHER THAN THE TIMES INDICATED ABOVE. O'REILLY WILL DISABLE THIS PROGRAM ONE YEAR AFTER STORE OPENING.									
(EXCLUDING TX, EXTERIOR LIGHTS STAY ON OVERNIGHT FOR SECURITY PURPOSES.)									
2. RESTROOMS AND OFFICES: ALL LIGHTING IN THESE AREAS ARE CONTROLLED BY OCCUPANT-SENSING DEVICES.									



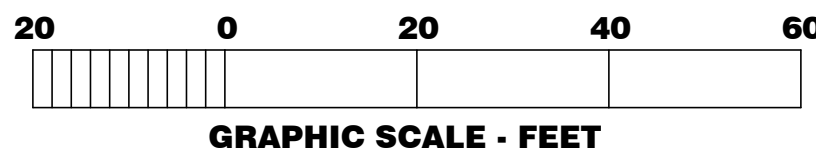
TIMOTHY M. GUILLOT
ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
e-mail: architect@esterjschneider.com
417.862.0538
Fax: 417.862.3265

Statistics							
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min	Avg/Max
Parking/Drive	+	2.6 fc	5.2 fc	1.0 fc	5.2:1	2.6:1	N/A



SITE LIGHTING PHOTOMETRICS

SCALE: 1"=20'



3855 S. JEFFERSON AVE. P: 417-882-2200
SPRINGFIELD, MO 65807 F: 417-882-1188
WWW.SMITH-GOTH.COM

09-03-25
CIVIL PLAN
CHANGE NO
CHANGE TO MPE
SYSTEMS.

PROJECT:
NEW O'REILLY AUTO PARTS STORE
13111 REATA RIDGE DRIVE
PARKER, CO #2
SITE LIGHTING PHOTOMETRICS

O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

COMM # 4884
DATE: 02-14-2025
REVISION
DATE: 05-02-25
07-01-25, 07-30-25
08-22-25, 09-03-25

Catalog #: _____ Project: _____
Prepared By: _____ Date: _____ Type: _____

Mirada Medium (MRM) Outdoor LED Area Light

IP66 IK08



OVERVIEW	
Lumen Package	7,000 - 48,000
Wattage Range	48 - 401
Efficiency Range (LPW)	137 - 160
Weight (lbs/kg)	30 (13.6)

QUICK LINKS

Ordering Guide Performance Photometrics Dimensions

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Cast aluminum wiring access door located underneath.
- Designed to mount to square or round poles.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight: 37 lbs in carton.

Optical System

- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP66 rated sealed optical chamber in 1 component.
- Proprietary silicone refractor optics provides exceptional coverage and uniformity in IE5 Types 2, 3, 5W, FT, FTA and AM.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93%.
- Zero uplight.
- Available in 5000K, 4000K, and 3000K color temperatures per ANSI C78.377. Also Available in Phosphor Converted Amber with Peak Intensity at 610nm.
- Minimum CRI of 70.
- Integral lower (LL) and house-side shield (HS) options available for improved backlight control without sacrificing street side performance. See page 3 for more details.

Electrical

- High-performance programmable driver features over-voltage, under-voltage, short-circuit and over temperature protection. Custom lumen and wattage packages available.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
- L80 Calculated Life: >100K Hours (See Lumen Maintenance on Page 5)
- Total harmonic distortion <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F). 42L and 48L lumen packages rated to +40°C.
- Power factor: >90
- Input power stays constant over life.
- Field replaceable 10KV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficiency LEDs mounted to metal-core circuit board to maximize heat dissipation
- Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed.

Controls

- Optional integral passive infrared Bluetooth™ motion and photocell sensor (see page 9 for more details). Fixtures operate independently and can be commissioned via iOS or Android configuration app.
- LSI's AirLink™ wireless control system options reduce energy and maintenance costs while optimizing light quality 24/7 (see page 9 for more details).

Installation

- Designed to mount to square or round poles.
- A single fastener secures the hinged door, underneath the housing and provides quick & easy access to the electrical compartment.
- Included terminal block accepts up to 12 ga wire.
- Utilizes LSI's traditional 3" drill pattern B3 for easy fastening of LSI products. (See drawing on page 9)

Warranty

- LSI LED Fixtures carry a 5-year warranty.

Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- IDA compliant, with 3000K color temperature selection.
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable for wet Locations.
- IP66 rated Luminaire per IEC 60598.
- 3S rated for ANSI C136.31 high vibration applications are qualified.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org or QLE to confirm which versions are qualified.
- Patented Silicone Optics (US Patent NO. 10,086,165 B2)
- IK08 rated luminaire per IEC 60626 mechanical impact code

Specifications and dimensions subject to change without notice.

LSI Industries Inc. 10000 Alliance Rd. Cincinnati, OH 45242 • www.lsiincorp.com
(513) 372-3200 • ©2020 LSI Industries Inc. All Rights Reserved. Specifications subject to change without notice.

Page 1/7 Rev. 06/06/21
SPEC.1045.A.0620

Catalog #: _____ Project: _____
Prepared By: _____ Date: _____ Type: _____

Mirada Medium Outdoor LED Area Light

Back to Quick Links

ORDERING GUIDE

TYPICAL ORDER EXAMPLE: **MRM LED 36L SIL FTA UNV DIM 50 70CRI ALSCS04 BRZ IL**

Luminaire Package	Light Source	Lumen Package	Light Output	Distribution	Orientation*	Voltage	Driver
MRM - Mirada	LED	7L - 7,000 lms 3L - 3,000 lms 4L - 4,000 lms 18L - 18,000 lms 24L - 24,000 lms 36L - 36,000 lms 42L - 42,000 lms 48L - 48,000 lms Custom Lumen Packages†	SIL - Silicone	2 - Type 2 3 - Type 3 5W - Type 5 Wide FT - Forward Throw FTA - Forward Throw Automotive AM - Automotive Merchandise	[Blank] - standard L - Optics rotated left 90° R - Optics rotated right 90°	UNV - Universal Voltage (120-277V) HW - High Voltage (347-480V)	DIM - 0-10V Dimming (0-100%)
Color Temp		Color Rendering		Finish		Options	
50 - 5000 CCT 40 - 4000 CCT 30 - 3000 CCT		7000K - 70 CRI		BLK - Black BRZ - Dark Bronze OMG - Gun Metal Gray OPT - Opticless MSV - Metallic Silver P-P - Platinum Plus SWG - Satin Verde Green WHT - White		[Blank] - None IL - Integral House/Side Shield† LL - Integral Lower (Sharp Spoil Light Outfit)	

Controls (Choose One)	
[Blank] - None	Stand-Above Controls
ALSCS - AirLink Syncra Control System	EXT - 0-10V Dimming leads extended to housing exterior
ALSC01 - AirLink Syncra Control System with 12-20" Motion Sensor	DSTP - 7 Pin Control Receiver ANSI C136.41
ALSC02 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR1 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC03 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR2 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC04 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR3 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC05 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR4 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC06 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR5 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC07 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR6 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC08 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR7 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC09 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR8 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC10 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR9 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC11 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR10 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC12 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR11 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC13 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR12 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC14 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR13 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC15 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR14 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC16 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR15 - 10-100V Dimming Leads with 12-20" Motion Sensor
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ALSC21 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR20 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC22 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR21 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC23 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR22 - 10-100V Dimming Leads with 12-20" Motion Sensor
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ALSC25 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR24 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC26 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR25 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC27 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR26 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC28 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR27 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC29 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR28 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC30 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR29 - 10-100V Dimming Leads with 12-20" Motion Sensor
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ALSC54 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR53 - 10-100V Dimming Leads with 12-20" Motion Sensor
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ALSC65 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR64 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC66 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR65 - 10-100V Dimming Leads with 12-20" Motion Sensor
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ALSC80 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR79 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC81 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR80 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC82 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR81 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC83 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR82 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC84 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR83 - 10-100V Dimming Leads with 12-20" Motion Sensor
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ALSC87 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR86 - 10-100V Dimming Leads with 12-20" Motion Sensor
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ALSC91 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR90 - 10-100V Dimming Leads with 12-20" Motion Sensor
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ALSC96 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR95 - 10-100V Dimming Leads with 12-20" Motion Sensor
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ALSC100 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR99 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC101 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR100 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC102 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR101 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC103 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR102 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC104 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR103 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC105 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR104 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC106 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR105 - 10-100V Dimming Leads with 12-20" Motion Sensor
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ALSC148 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR147 - 10-100V Dimming Leads with 12-20" Motion Sensor
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ALSC153 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR152 - 10-100V Dimming Leads with 12-20" Motion Sensor
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ALSC171 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR170 - 10-100V Dimming Leads with 12-20" Motion Sensor
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ALSC174 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR173 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC175 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR174 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC176 - AirLink Syncra Control System with 12-20" Motion Sensor	EXR175 - 10-100V Dimming Leads with 12-20" Motion Sensor
ALSC177	

Accessory Ordering Information*		Mounting Accessories†	
Part Number	Description	Part Number	Description
PC120P	PC120P Protocol for use with GWP system (120V)	664562.B	Universal Mounting Bracket
PC120P	PC120P Protocol for use with GWP system (240V, 277V)	664563.B	Adjustable Sloe Mount (2" - 2 3/8" Rise)
PC120P	PC120P Protocol for use with GWP system (347V, 480V)	664564.B	Universal Sloe Mount (2" - 2 3/8" Rise)
PC120P	PC120P Protocol for use with GWP system (347V, 480V)	664565.B	Quick Mount Pole Bracket (Square Pole)
PC120P	PC120P Protocol for use with GWP system (347V, 480V)	664566.B	Quick Mount Pole Bracket (Round Pole)
PC120P	PC120P Protocol for use with GWP system (347V, 480V)	664567.B	15 1/8" Quick Mount Pole Bracket (Square Pole)
PC120P	PC120P Protocol for use with GWP system (347V, 480V)	664568.B	15 1/8" Quick Mount Pole Bracket (Round Pole)
PC120P	PC120P Protocol for use with GWP system (347V, 480V)	664569.B	Wall Mount Bracket
PC120P	PC120P Protocol for use with GWP system (347V, 480V)	664570.B	Wall Mount Bracket (Minimum Pole Diameter)

Fusing Options*		Mounting Accessories†	
Part Number	Description	Part Number	Description
FC127	FC127 - Single Fusing	664571.B	Universal Mounting Bracket
FC127	FC127 - Single Fusing	664572.B	Adjustable Sloe Mount (2" - 2 3/8" Rise)
FC127	FC127 - Single Fusing	664573.B	Universal Sloe Mount (2" - 2 3/8" Rise)
FC127	FC127 - Single Fusing	664574.B	Quick Mount Pole Bracket (Square Pole)
FC127	FC127 - Single Fusing	664575.B	Quick Mount Pole Bracket (Round Pole)
FC127	FC127 - Single Fusing	664576.B	15 1/8" Quick Mount Pole Bracket (Square Pole)
FC127	FC127 - Single Fusing	664577.B	15 1/8" Quick Mount Pole Bracket (Round Pole)
FC127	FC127 - Single Fusing	664578.B	Wall Mount Bracket
FC127	FC127 - Single Fusing	664579.B	Wall Mount Bracket (Minimum Pole Diameter)

FOOTNOTES:
1. Custom lumen and wattage packages available, consult factory. Values are within industry standard tolerances and not guaranteed.
2. Not available in IE5.
3. IP66 and 6053 control options are not available in 12 or 14 lumen packages when high wattage (40V) is specified.
4. Not available in IE5.
5. IP66 is field comparable via the LSI app that can be downloaded from your smartphone's native app store.
6. Control device or dimming cap must be ordered separately. See Accessory Ordering Information.

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Page 2/9 Rev. 06/06/21
SPEC.1045.A.0620

Catalog #: _____ Project: _____
Prepared By: _____ Date: _____ Type: _____

Mirada Medium Outdoor LED Area Light

Back to Quick Links

PERFORMANCE

Delivered Lumens*		3000K CCT		4000K CCT		5000K CCT		Wattage
Lumen Package	Distribution	CRI	Delivered Lumens	Efficacy	80V Rating	Delivered Lumens	Efficacy	80V Rating
7L	2	70	7060	127	82-10V-62	7060	127	82-10V-62
	3		7016	126	81-10V-62	7016	126	81-10V-62
	5W		7292	122	83-10V-61	7292	122	83-10V-61
	FT		7262	126	82-10V-62	7262	126	82-10V-62
	FTA		7205	126	82-10V-62	7205	126	82-10V-62
18L	2	70	18037	127	82-10V-62	18037	127	82-10V-62
	3		18024	126	81-10V-62	18024	126	81-10V-62
	5W		18268	122	83-10V-61	18268	122	83-10V-61
	FT		18248	126	82-10V-62	18248	126	82-10V-62
	FTA		18190	126	82-10V-62	18190	126	82-10V-62
36L	2	70	36074	127	82-10V-62	36074	127	82-10V-62
	3		36060	126	81-10V-62	36060	126	81-10V-62
	5W		36318	122	83-10V-61	36318	122	83-10V-61
	FT		36298	126	82-10V-62	36298	126	82-10V-62
	FTA		36240	126	82-10V-62	36240	126	82-10V-62
42L	2	70	42084	127	82-10V-62	42084	127	82-10V-62
	3		42070	126	81-10V-62	42070	126	81-10V-62
	5W		42342	122	83-10V-61	42342	122	83-10V-61
	FT		42322	126	82-10V-62	42322	126	82-10V-62
	FTA		42264	126	82-10V-62	42264	126	82-10V-62
48L	2	70	48094	127	82-10V-62	48094	127	82-10V-62
	3		48080	126	81-10V-62	48080	126	81-10V-62
	5W		48356	122	83-10V-61	48356	122	83-10V-61
	FT		48336	126	82-10V-62	48336	126	82-10V-62
	FTA		48278	126	82-10V-62	48278	126	82-10V-62

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Page 4/9 Rev. 06/06/21
SPEC.1045.A.0620

Catalog #: _____ Project: _____
Prepared By: _____ Date: _____ Type: _____

Mirada Medium Wall Sconce (XWM) Outdoor Wall Sconce

IP65 IK08



OVERVIEW	
Lumen Package	3,000 - 21,000
Wattage Range	25 - 175
Efficiency Range (LPW)	125 - 158
Weight (lbs/kg)	27 (12.2)
Control Options	MSBT, ALB, ALS, PCI

QUICK LINKS

Ordering Guide Performance Photometrics Dimensions

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Hinged die-cast aluminum wiring access door located underneath.
- Calibrated steel universal wall mount bracket comes standard with hinging mechanism to easily access the junction box wiring connections without removing the luminaire.
- Optional pole-mounting bracket (XPM4) permits mounting to standard poles.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Max shipping weight: 30lbs in carton.

Optical System

- State-of-the-Art one piece silicone optic provides industry leading optical control while also acting as an integrated gasket reducing system complexity and improving future reliability.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in Types 2, 3, 4, and FT distributions.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93-95%.
- Zero uplight.
- Available in 5000K, 4000K and 3000K color temperatures per ANSI C78.377. Also Available in Phosphor Converted Amber with Peak Intensity at 610nm.
- Minimum CRI of 70.

Electrical

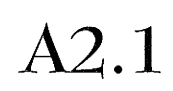
- High-performance programmable driver features over-voltage, under-voltage, short-circuit and over temperature protection. Custom lumen and wattage packages available.

- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
- L80 Calculated Life: >100K Hours
- Total harmonic distortion (THD): <20%
- 3L to 12L operating temperature: -40°C to +50°C (-40°F to +122°F)
- 15L operating temperature: -40°C to +45°C (-40°F to +113°F)
- 18L operating temperature: -40°C to +40°C (-40°F to +104°F)
- Power factor (PF): >90
- Input power stays constant over life.
- Optional 10KV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficiency LEDs mounted to metal-core circuit board to maximize heat dissipation
- Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed via hinged door.
- 1 year warranty on Battery Back-up option.

- LSI's AirLink™ Blue lighting control system is a simple feature rich wireless Bluetooth mesh network. The integrated future sensor module provides wireless control of grouped fixtures based on motion sensors, daylight or a fully customizable schedule.

- LSI's AirLink™ Blue lighting control system is a simple feature rich wireless Bluetooth mesh network. The integrated future sensor module provides wireless control of grouped fixtures based on motion sensors, daylight or a fully customizable schedule.

- LSI's AirLink™ Blue lighting control system is a simple feature rich wireless Bluetooth mesh network. The integrated future sensor module provides wireless control of grouped fixtures based on motion sensors, daylight



A2.1 | **SCALE: 1/8" = 1'-0"**

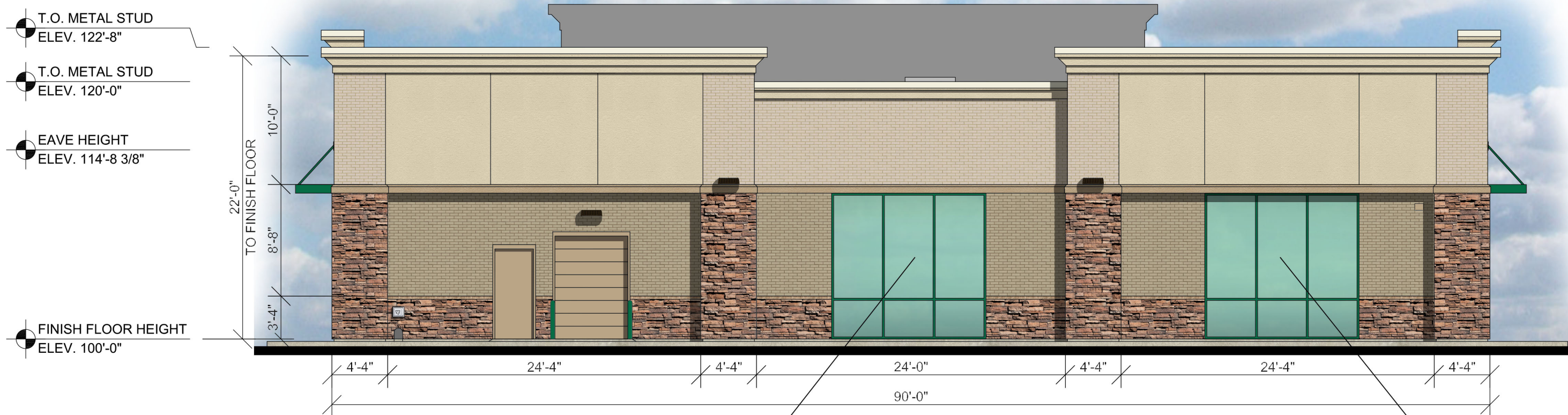


TRANSPARENCY REQUIREMENTS:
WEST BUILDING AREA BETWEEN 2' AND 8' = 540 SQ.FT.
REQUIRED WEST GLAZING BETWEEN 2' AND 8' = 224 SQ.FT (40%)
TOTAL WEST GLAZING PROVIDED = 224 SQ.FT (41.5%)

FINISH TABLE				
MATERIAL PREVIEW	MATERIAL	MANUFACTURER	FINISH	% SHOWN
	ACCENT BRICK	ACME BRICK	DOVE GRAY	≈ 17.5%
	FIELD BRICK	ACME BRICK	OXFORD BROWN	≈ 15.2%
	STONE VENEER	CORONADO STONE	SIERRA LEDGE	≈ 17.4%
	STOREFRONT	KAWNEER	DARK IVY	≈ 17.7%
	STUCCO AROUND SIGN	SHERWIN WILLIAMS	POSITIVE RED SW6871*	≈ 10.8%
	ACCENT STUCCO	SHERWIN WILLIAMS	SOFTER TAN SW6141	≈ 10.1%
	CORNICE STUCCO	SHERWIN WILLIAMS	LATTE SW6108	≈ 8.5%
* NOTE: CUSTOM RED MIX BY DRYVIT ORAP011030S				
** NOTE: OVERHEAD DOORS, STEEL DOORS, CANOPIES, AND FLASHING NOT TAKEN INTO ACCOUNT IN CALCULATIONS				

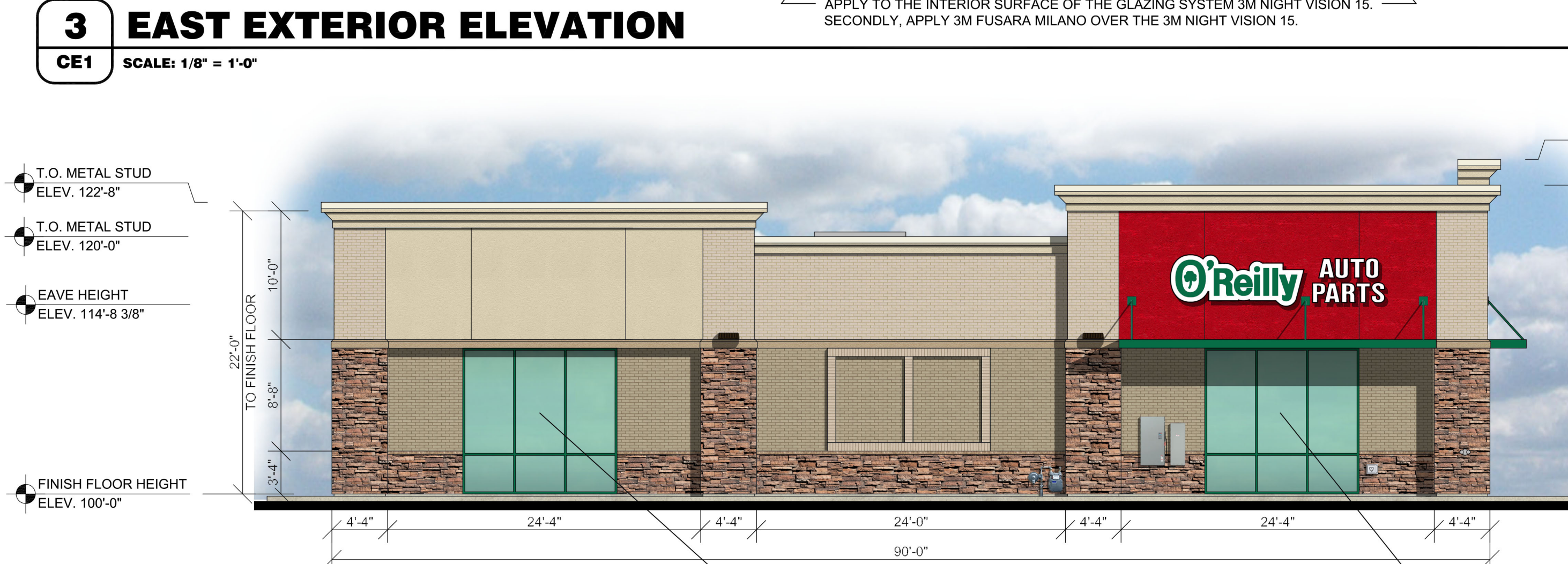


TRANSPARENCY REQUIREMENTS:
SOUTH BUILDING AREA BETWEEN 2' AND 8' = 540 SQ.FT.
REQUIRED SOUTH GLAZING BETWEEN 2' AND 8' = 216 SQ.FT (40%)
TOTAL SOUTH GLAZING PROVIDED = 217 SQ.FT (40.2%)



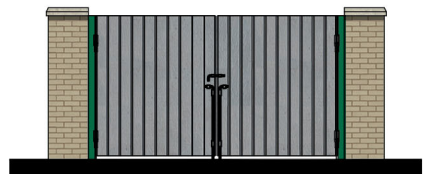
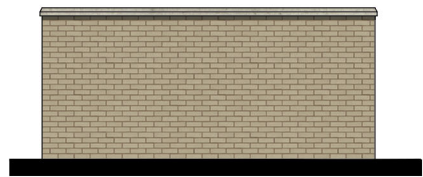
APPLY TO THE INTERIOR SURFACE OF THE GLAZING SYSTEM 3M NIGHT VISION 15.
SECONDLY, APPLY 3M FUSARA MILANO OVER THE 3M NIGHT VISION 15.

TRANSPARENCY REQUIREMENTS:
EAST BUILDING AREA BETWEEN 2' AND 8' = 540 SQ.FT.
REQUIRED EAST GLAZING BETWEEN 2' AND 8' = 135 SQ.FT (25%)
TOTAL WEST GLAZING PROVIDED = 144 SQ.FT (26.7%)



APPLY TO THE INTERIOR SURFACE OF THE GLAZING SYSTEM 3M NIGHT VISION 15.
SECONDLY, APPLY 3M FUSARA MILANO OVER THE 3M NIGHT VISION 15.

TRANSPARENCY REQUIREMENTS:
NORTH BUILDING AREA BETWEEN 2' AND 8' = 540 SQ.FT.
REQUIRED NORTH GLAZING BETWEEN 2' AND 8' = 135 SQ.FT (25%)
TOTAL NORTH GLAZING PROVIDED = 144 SQ.FT (26.7%)



5 NORTH, SOUTH, EAST EXTERIOR ELEVATION

CE1 SCALE: 1/8" = 1'-0"

6 WEST EXTERIOR ELEVATION

CE1 SCALE: 1/8" = 1'-0"

NOT FOR CONSTRUCTION

O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

COMM #
DATE: 7-8-25
REVISION
DATE: 9-8-25

CE1

PROJECT:
NEW O'REILLY AUTO PARTS STORE
JORDAN RD.
PARKER, CO #3
COLOR ELEVATIONS

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