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COLORADO DEPARTMENT OF HEALTH

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INTERMOUNTAIN RURAL ELECTRIC ASSOCIATION

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SITE BENCHMARK & BASIS OF BEARINGS

THE PRIMARY BENCHMARK USED TO DETERMINE THE BASIS OF ELEVATIONS FOR THIS MAP IS BY GPS OBSERVATION NAVD88. A SITE BENCHMARK HAS BEEN SET AT THE NORTHWEST CORNER OF A DRAIN INLET ON CHAMBERS ROAD, APPROXIMATELY 200'± NORTH OF HESS ROAD. ELEVATION = 6075.31

THE BASIS OF BEARINGS IS THE SOUTH LINE OF THE SOUTHEAST QUARTER OF SECTION 29 TOWNSHIP 6 SOUTH, RANGE 66 WEST, 6TH PRINCIPAL MERIDIAN, BEARING SOUTH 89°15'13" WEST AS SHOWN ON FINAL PLAT DOUGLAS 234 FILING NO. 1.

FLOOD PLAIN NOTE

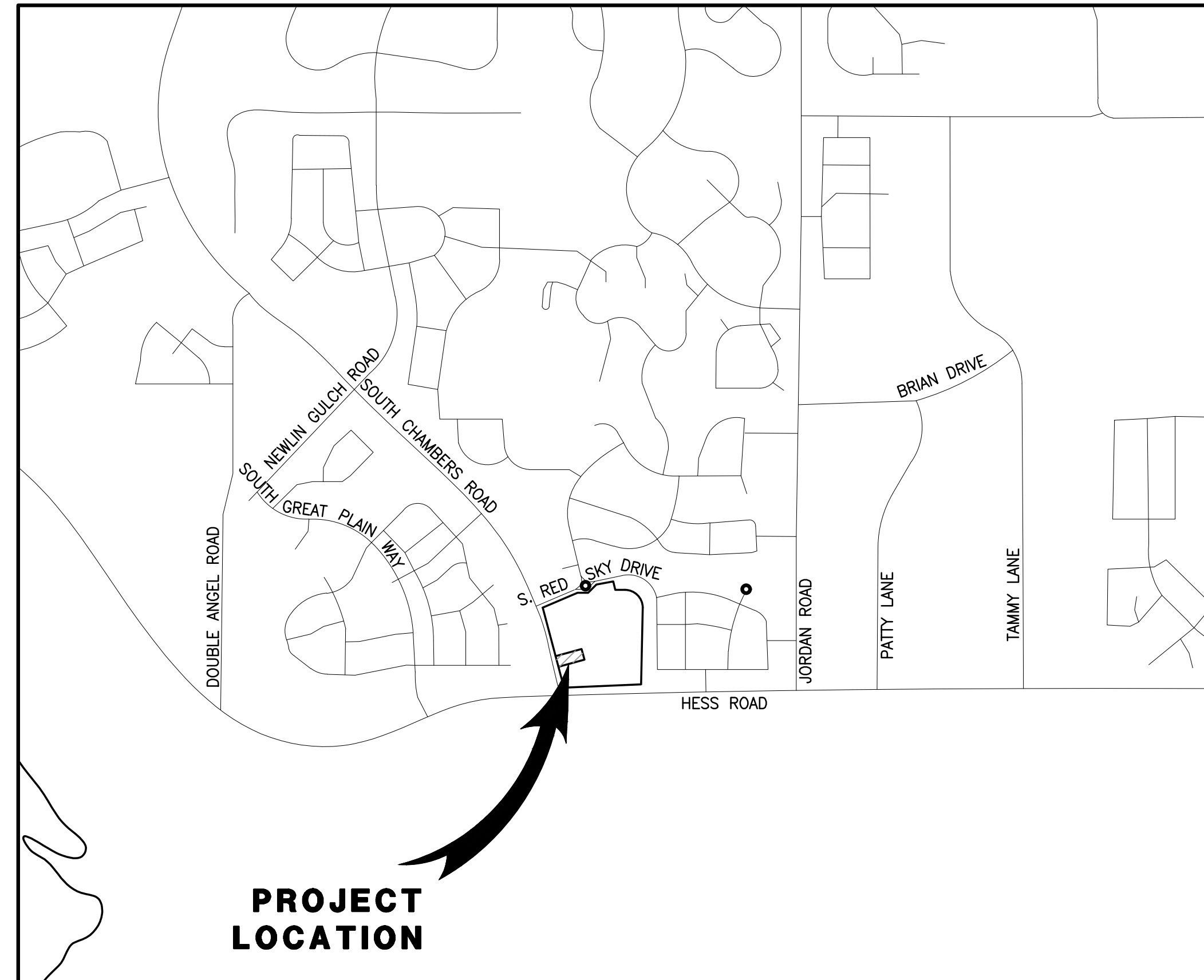
BY SCALED MAP LOCATION AND GRAPHIC PLOTTING ONLY, THIS PROPERTY LIES IN ZONE X OF THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NUMBER 08035C0181G AND DATED MARCH 16, 2016 - SUBJECT PROPERTY IS NOT IN A SPECIAL FLOOD HAZARD AREA.

LEGAL DESCRIPTION

LOT 4, DOUGLAS 234, FILING NO. 6, AMENDMENT 1

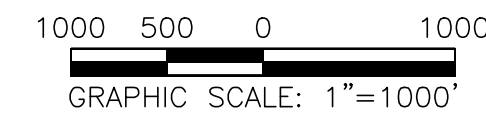
**SITE PLAN FOR
DUNKIN' DONUTS
DOUGLAS 234, FILING NO. 6,
AMENDMENT 1, LOT 4**

A PORTION OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 29, TOWNSHIP 6 SOUTH, RANGE 66 WEST, 6TH PRINCIPAL MERIDIAN, TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO
0.901 ACRES, 1 COMMERCIAL LOT



VICINITY MAP

SCALE 1" = 1000'



SHEET INDEX	
NO.	TITLE
1	COVER SHEET
2	EXISTING CONDITIONS & DEMOLITION PLAN
3	SITE PLAN
4	PRELIMINARY UTILITY PLAN
5	FIRE TRUCK ACCESS PLAN
6	LANDSCAPE PLAN & DETAILS
7	LANDSCAPE PLAN & DETAILS
8	LANDSCAPE IRRIGATION & DETAILS
9	LANDSCAPE IRRIGATION & DETAILS
10	LANDSCAPE IRRIGATION & DETAILS
11	LANDSCAPE IRRIGATION & DETAILS
12	PHOTOMETRIC PLAN
13	PHOTOMETRIC DETAILS
14	BUILDING ELEVATIONS
15	BUILDING ELEVATIONS

SETBACKS		
COMMERCIAL DEVELOPMENT STANDARDS	REQUIRED SETBACKS	PROVIDED SETBACK
FRONT	10'	159.83'
SIDE	8'	48.01'/62.48'
REAR	0'	64.24'

DEVELOPMENT STANDARDS		
COMMERCIAL DEVELOPMENT STANDARDS	TOWN OF PARKER LAND DEVELOPMENT CODE REQ.	PROVIDED
MINIMUM LANDSCAPE AREA	0.14 AC (15%)	0.296 ACRES (34%)
MAXIMUM BUILDING HEIGHT	35 FEET	1 STORY/ 22'-10"
MINIMUM OFF-STREET PARKING	16 (PER NLA)	16 ON-SITE SPACES (2 ADA SPACES)
MAXIMUM FLOOR AREA RATIO (FAR)	0.35	0.05

LEGEND

	EXISTING	PROPOSED
PROPERTY BOUNDARY	---	---
PROPERTY LINE	---	---
RIGHT-OF-WAY	---	---
CENTERLINE	---	---
CURB	---	---
CURB & GUTTER	---	---
EASEMENT	---	---
CONTOURS	---	---
WATER LINE	W	W
SANITARY SEWER LINE	S	S
STORM DRAIN LINE	---	---
GAS LINE	G	G
ELECTRIC LINE	E	E
TYPICAL LATERALS	---	---
SANITARY SEWER MANHOLE	(S)	(S)
STORM DRAIN MANHOLE	(D)	(D)
STORM DRAIN INLET	---	---
FIRE HYDRANT	---	---
AC PAVING	---	---
CONCRETE	---	---
LANDSCAPE	---	---

ABBREVIATIONS

BLDG	BUILDING
CL	CENTERLINE
DIA.	DIAMETER
DIST.	DISTRICT
E	EASTING
EG	EXISTING GRADE
ESMT	EASEMENT
EX.	EXISTING
FG	FINISHED GRADE
FL	FLOW LINE
FS	FINISHED SURFACE
INV	INVERT
MIN.	MINIMUM
N	NORTHING
NLA	NET LEASABLE AREA
NO.	NUMBER
PL	PROPERTY LINE
PROP.	PROPOSED
PVC	POLYVINYL CHLORIDE PIPE
RCP	REINFORCED CONCRETE PIPE
R.O.W.	RIGHT OF WAY
REC.	RECEPTION
REQ.	REQUIRED
SAN	SANITARY SEWER
SF	SQUARE FOOT
STD	STANDARD

SITE DATA

PROPERTY ACREAGE	0.901 ACRES (39,244 SF)
PERVIOUS AREA	0.296 ACRES
IMPERVIOUS AREA	0.605 ACRES
MAXIMUM IMPERVIOUS AREA	0.766 ACRES, 85% OF TOTAL LAND AREA
BUILDING DENSITY	1,557 SF (BLDG) = 3.97% 39,244 SF (LOT)
MAX BUILDING DENSITY	NONE
PARKING AREA	2,754 SF
PARKING REQUIRED	16 SPACES/12 SPACES (1 PER 100 NLA/1 PER EACH 3 PERSONS OF RATED CAPACITY)
PARKING PROVIDED	16 ON-SITE SPACES (2 ADA SPACES)
BICYCLE PARKING REQUIRED	4
BICYCLE PARKING PROVIDED	4

LAND USE DATA

EXISTING ZONING	PLANNED DEVELOPMENT
GROSS SITE AREA	0.901 ACRES
NUMBER OF BUILDINGS	1 BUILDING
BUILDING GROSS FLOOR AREA	1,557 SF
NET LEASABLE AREA	1,557 SF
BUILDING OCCUPANCY	35 PEOPLE

SEAL:

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**DOUGLAS 234, FILING NO. 6,
AMENDMENT 1, LOT 4**
DOUGLAS COUNTY, COLORADO



DRAWING NO.
1

NO.	BY	DATE	REVISION

PROJECT NO: 2243
DRAWN/DESIGNED BY: KA/TWB
CHECKED BY: TWB
DATE: 2/12/2025

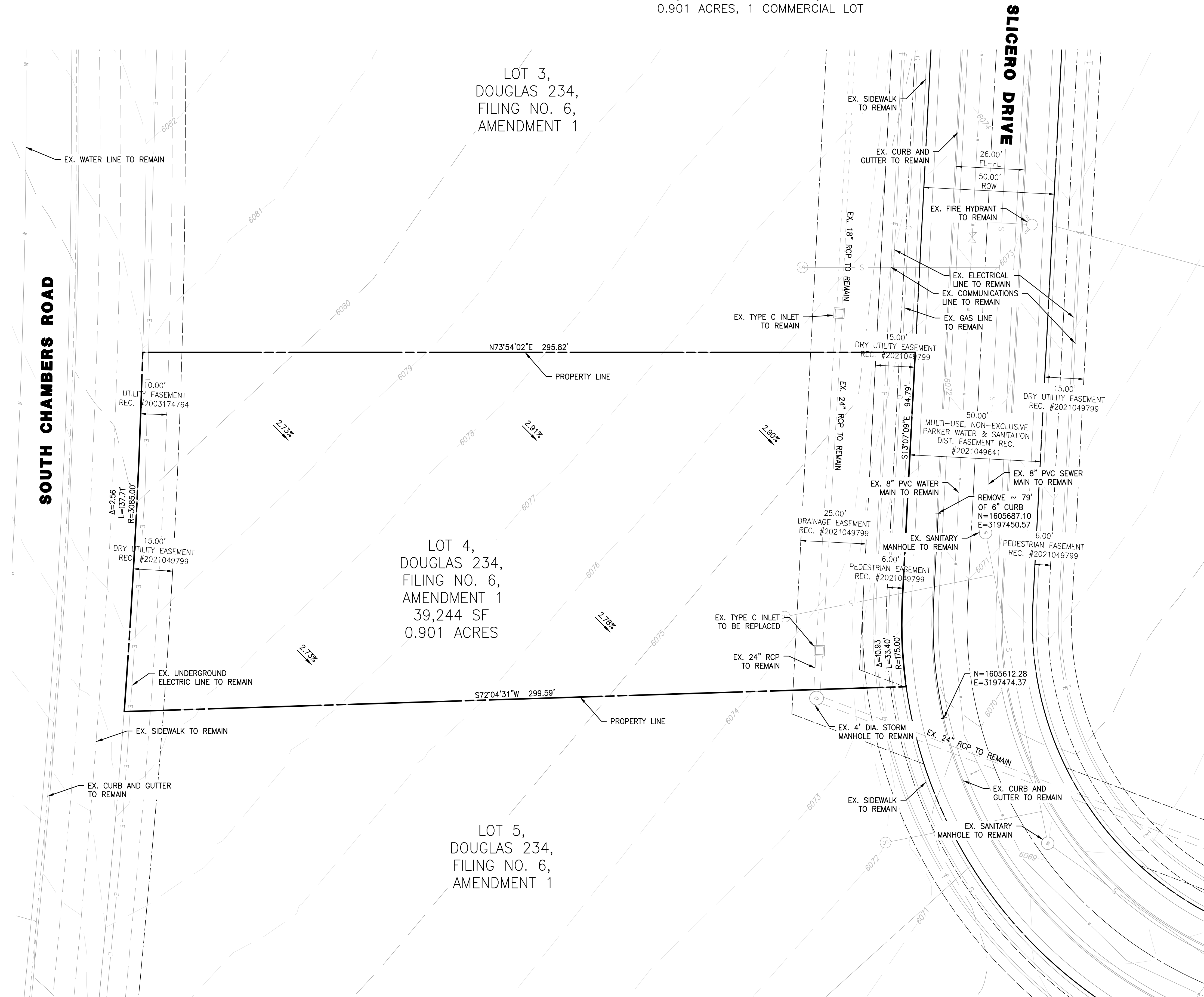
COVER SHEET

5TH SUBMITTAL

C:\RICK\Projects\2025\0000\2243 - DunkinDonuts\Site Plan\2243-C-TITLE.dwg - plotted by: kolazard ON 2025-02-12 @ 14:06 - ctbrec_ncs.ctb - © 2024 Rick Engineering Company

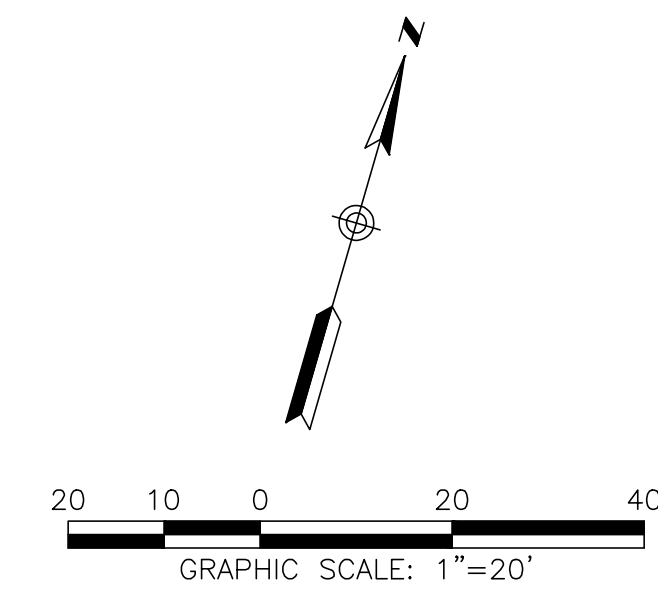
SITE PLAN FOR DUNKIN' DONUTS DOUGLAS 234, FILING NO. 6, AMENDMENT 1, LOT 4

A PORTION OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 29,
TOWNSHIP 6 SOUTH, RANGE 66 WEST, 6TH PRINCIPAL MERIDIAN,
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO
0.901 ACRES, 1 COMMERCIAL LOT



NOTES

1. ALL EXISTING UTILITIES ARE TO REMAIN UNLESS OTHERWISE NOTED.
2. ALL EXISTING IMPROVEMENTS TO BE PROTECTED IN PLACE, UNLESS SPECIFICALLY CALLED AS "TO BE REMOVED".



SEAL:					
 RICK ENGINEERING COMPANY <small>San Diego - Riverside - Sacramento - Orange - Turson - Phoenix - Las Vegas - Denver</small>	8678 CONCORD CENTER DR, UNIT 200 ENGLEWOOD, CO 80112 303.537.8020 <small>rickengineering.com</small>				
SITE PLAN PREPARED FOR: DOUGLAS 234, FILING NO. 6, AMENDMENT 1, LOT 4 <small>DOUGLAS COUNTY, COLORADO</small>	EXISTING CONDITIONS & DEMOLITION PLAN				
 <small>Know what's below. Call before you dig.</small>	PROJECT NO: 2243 DRAWN/DESIGNED BY: KA/TWB DATE: 2/12/2025 CHECKED BY: TWB				
DRAWING NO.	2				
5TH SUBMITTAL					

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SITE PLAN FOR DUNKIN' DONUTS DOUGLAS 234, FILING NO. 6, AMENDMENT 1, LOT 4

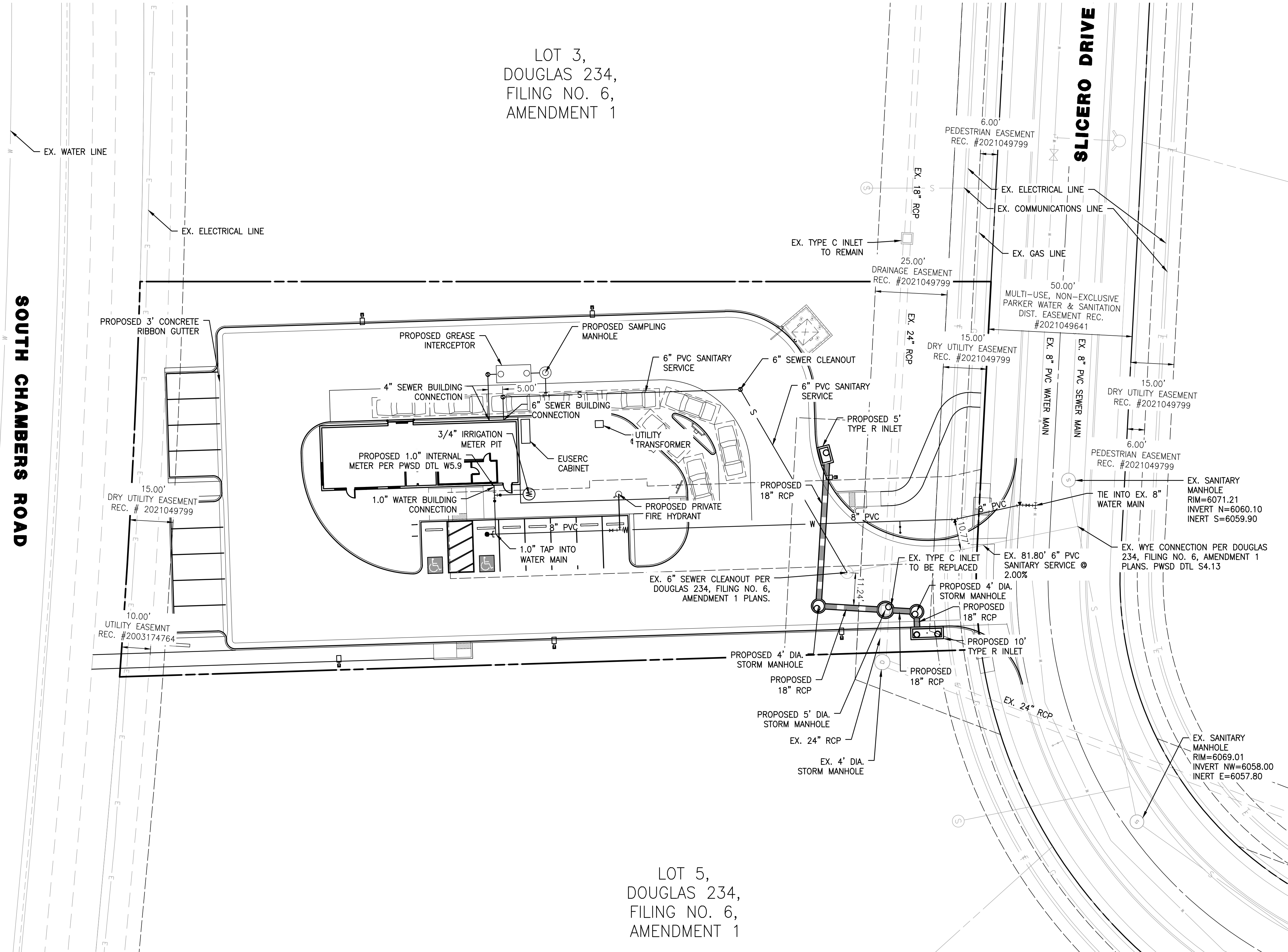
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LOT 3,
DOUGLAS 234,
FILING NO. 6,
AMENDMENT 1

LOT 5,
DOUGLAS 234,
FILING NO. 6,
AMENDMENT 1

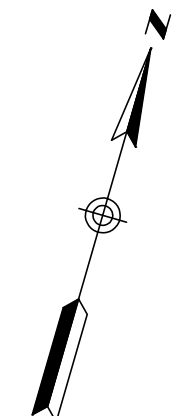
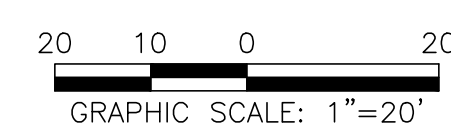
SOUTH CHAMBERS ROAD

SLICERO DRIVE



LEGEND

PROPERTY LINE	---
EASEMENT	- - - -
EX. WATER LINE	— W —
EX. SANITARY SEWER LINE	— S —
EX. STORM DRAIN LINE	— G —
EX. GAS LINE	— G —
EX. ELECTRICAL LINE	— E —
EX. COMMUNICATIONS LINE	— T —
WATER LINE	— W —
SANITARY SEWER LINE	— S —
STORM DRAIN LINE	— G —
TYPICAL LATERALS	⊗



NO.	BY	DATE	REVISION

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PROJECT NO: 2243 | DRAWN/DESIGNED BY: KA/TWB
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SITE PLAN PREPARED FOR:
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PRELIMINARY UTILITY PLAN

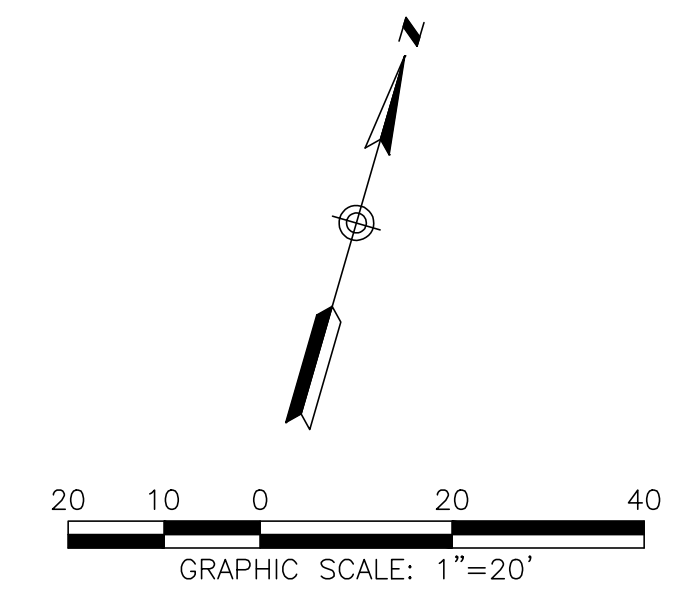
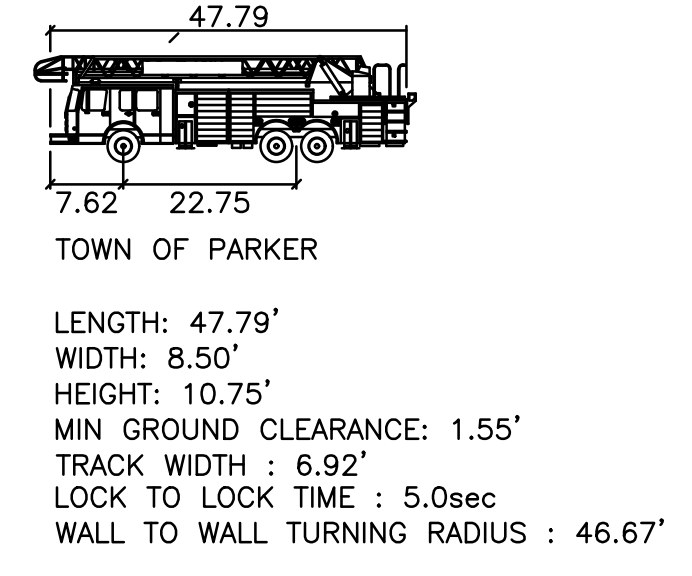
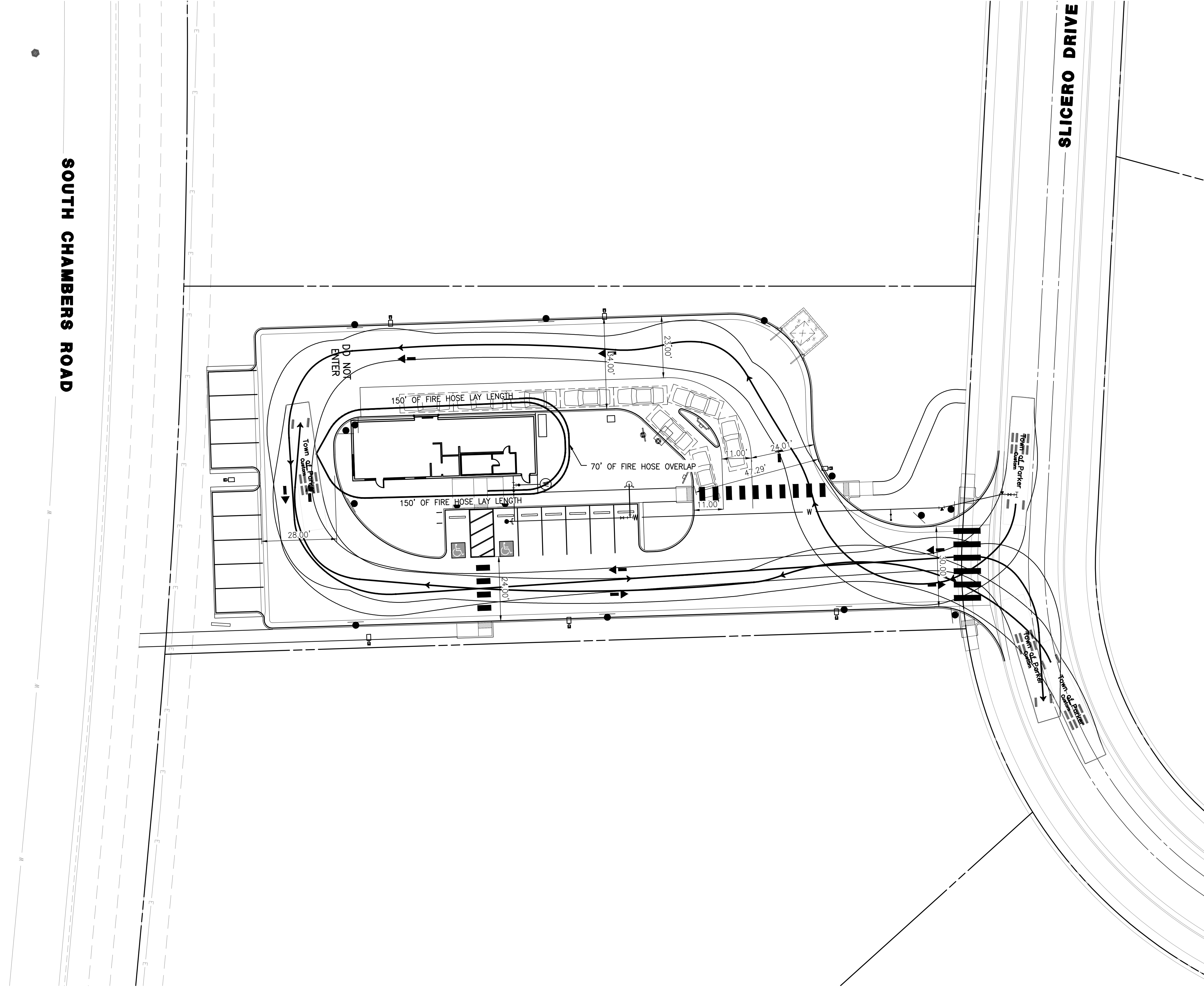
DRAWING NO.
4

5TH SUBMITTAL

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PROJECT NO: 2243 DRAWN/DESIGNED BY: KA/TWB
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SITE PLAN PREPARED FOR:
**DOUGLAS 234, FILING NO. 6,
AMENDMENT 1, LOT 4**
DOUGLAS COUNTY, COLORADO

FIRE TRUCK ACCESS PLAN

811
Know what's below.
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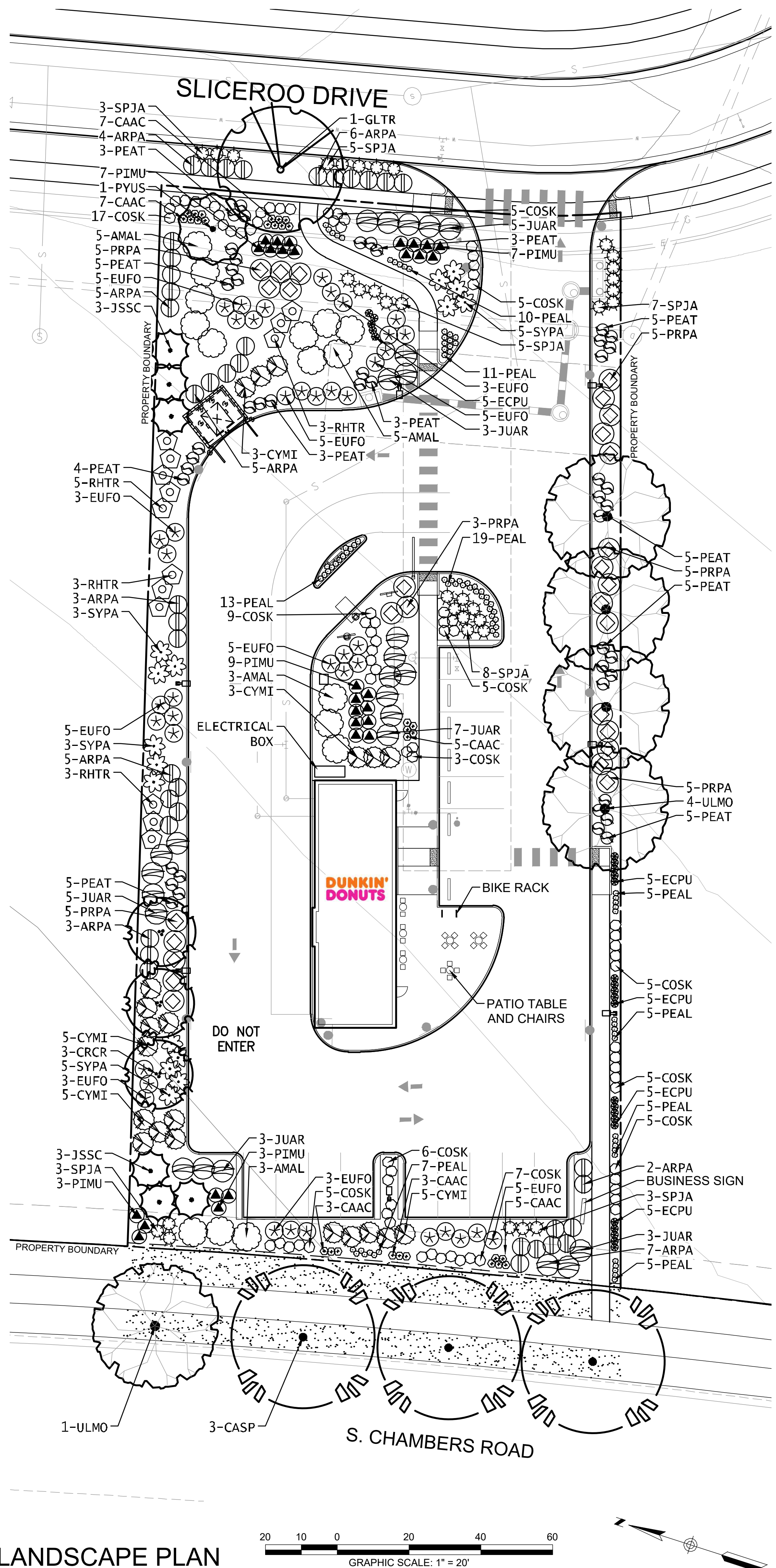
DRAWING NO.
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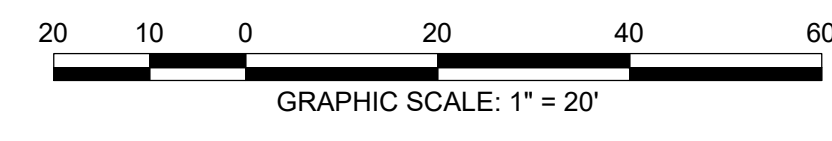
5TH SUBMITTAL

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0.901 ACRES, 1 COMMERCIAL LOT



LANDSCAPE PLAN



GENERAL LANDSCAPE NOTES

1. THE CONTRACTOR SHALL FOLLOW THE LANDSCAPE PLANS AND SPECIFICATIONS AS CLOSELY AS POSSIBLE. ANY SUBSTITUTION OR ALTERATION SHALL NOT BE ALLOWED WITHOUT APPROVAL OF THE OWNER'S REPRESENTATIVE. OVERALL PLANT QUANTITY AND QUALITY SHALL BE CONSISTENT WITH THE PLANS.
2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLANT QUANTITIES.
3. THE OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO INSPECT AND TAG ALL PLANT MATERIAL PRIOR TO SHIPPING TO THE SITE. IN ALL CASES, THE OWNER'S REPRESENTATIVE MAY REJECT PLANT MATERIAL AT THE SITE IF MATERIAL IS DAMAGED, DISEASED, OR DECLINING IN HEALTH AT THE TIME OF ONSITE INSPECTIONS OR IF THE PLANT MATERIAL DOES NOT MEET THE MINIMUM SPECIFIED STANDARD IDENTIFIED ON THE PLANS AND IN THE SPECIFICATIONS. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE FOR INSPECTION AND APPROVAL OF ALL MATERIALS AND PRODUCTS PRIOR TO INSTALLATION.
4. THE CONTRACTOR SHALL WARRANT ALL CONTRACTED WORK AND MATERIALS FOR A PERIOD OF ONE YEAR AFTER SUBSTANTIAL COMPLETION HAS BEEN ISSUED BY THE OWNER'S REPRESENTATIVE FOR THE ENTIRE PROJECT UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS OR SPECIFICATIONS.
5. ALL WEEDS TO BE REMOVED AND DISPOSED OF.
6. TREES SHALL NOT BE LOCATED IN DRAINAGE SWALES, DRAINAGE AREAS, OR UTILITY EASEMENTS. CONTACT OWNER'S REPRESENTATIVE FOR RELOCATION OF PLANTS IN QUESTIONABLE AREAS PRIOR TO INSTALLATION.
7. ALL ROCK MULCH PLANTER BEDS TO HAVE 1 1/2" RIVER ROCK AT A MINIMUM 3" DEPTH OVER MIRAFI WEED BARRIER FABRIC AND SHALL BE REGULARLY REPLENISHED.
8. ALL PLANTING SHALL BE MAINTAINED IN A HEALTH AND ATTRACTIVE MANNER AS DETERMINED BY THE TOWN. MAINTENANCE SHALL BE CONDUCTED BY THE PROPERTY OWNER OF RECORD, THE PROPERTY EXPERT OWNER'S AGENT OR TENANT WHICH HAS ASSUMED LANDSCAPE MAINTENANCE RESPONSIBILITY.

TREE PLANTING 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 MOST ROOTS IN THE ROOT BALL TO THE BOTTOM 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. BACKFILL SHALL CONSIST OF EXISTING ON SITE TOPSOIL - NO AMENDMENTS SHALL BE USED UNLESS OTHERWISE SPECIFIED.
2. 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.
3. 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.
4. FORM SOIL INTO A 3" TO 5" TALL WATERING RING (SAUCER) AROUND PLANTING AREA. THIS IS NOT NECESSARY IN IRRIGATED TURF AREAS. APPLY 2" TO 4" DEPTH OF SPECIFIED MULCH OVER PLANTING AREA AND INSIDE SAUCERS, AWAY FROM TRUNK.
5. 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.
6. TREE WRAP IS NOT TO BE USED ON ANY NEW PLANTINGS, EXCEPT IN LATE FALL PLANTING SITUATIONS, AND ONLY THEN AFTER CONSULTATION WITH THE TOWN ARBORIST.
7. 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.

SITE PERIMETER LANDSCAPE REQUIREMENTS

VEGETATION REQUIREMENTS BETWEEN COMMERCIAL & COMMERCIAL PROPERTY LINE BOUNDARY*			
	CALCULATION	# REQUIRED	# PROVIDED
ONE (1) TREE / 40 LF OF EDGE - NORTH SIDE	294 LF / 40 LF	7	8
FIVE (5) SHRUBS / 40 LF OF EDGE - NORTH SIDE	294 LF / 40 LF x 5	37	92
ONE (1) TREE / 40 LF OF EDGE - SOUTH SIDE	298 LF / 40 LF	7	4 + (30 SHRUB SUBSTITUTES)
FIVE (5) SHRUBS / 40 LF OF EDGE - SOUTH SIDE	298 LF / 40 LF x 5	37	99

* TEN (10) SHRUBS MAY BE SUBSTITUTED FOR ONE (1) TREE

PARKING LANDSCAPE REQUIREMENTS

VEGETATION REQUIREMENTS BASED ON LARGEST PARKING ISLAND AREA				
	CALCULATION	# REQUIRED	# PARKING ISLANDS	# PROVIDED
ONE (1) TREE / INCREMENTAL 162 SF	266 SF / 162 SF	1 / ISLAND	2	2
FIVE (5) SHRUBS / INCREMENTAL 162 SF	266 SF / 162 SF x 5	10 / ISLAND	1	13
THREE (3) ORNAMENTAL GRASSES SUBSTITUTED FOR ONE (1) SHRUB	2 SHRUBS x 3 GRASSES	3 / SHRUB	1	19

PLANT LEGEND

DECIDUOUS TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	HEIGHT
	CASP	3	CATALPA SPECIOSA	WESTERN CATALPA	2" CAL.	50'
	GLTR	1	GLEDITSIA TRIACANTHOS INERMIS 'IMPCOLE' TM	IMPERIAL HONEY LOCUST	2" CAL.	35'
	ULMO	5	ULMUS X 'MORTON'	ACCOLADE ELM	2" CAL.	50'
EVERGREEN TREES						
	JSSC	6	JUNIPERUS SCOPULORUM	ROCKY MOUNTAIN JUNIPER	5 GAL.	30'
ORNAMENTAL TREES						
	CRCR	3	CRATAEGUS CRUS-GALLI 'INERMIS'	COCKSPUR THORNLESS HAWTHORN	1.5" CAL.	20'
	PYUS	1	PYRUS USSURIENSIS 'MORDAK' TM	PRAIRIE GEM USSURIAN PEAR	1.5" CAL.	25'
DECIDUOUS SHRUBS						
	AMAL	16	AMELANCHIER ALNIFOLIA	SASKATOON SERVICEBERRY	5 GAL.	10'
	COSK	77	CORNUS SERICEA 'KELSEY'	KELSEY'S DWARF RED TWIG DOGWOOD	5 GAL.	8'
	PEAT	46	PEROVSKIA ATRIPLICIFOLIA	RUSSIAN SAGE	5 GAL.	4'
	PRPA	28	PRUNUS BESSEYI 'PAWNEE BUTTES'	PAWNEE BUTTES SANDCHERRY	5 GAL.	1.5'
	RHTR	14	RHUS TRILOBATA	THREE LEAF SUMAC	5 GAL.	6'
	SPJA	34	SPIRAEA JAPONICA 'ALPINA'	DAPHNE SPIREA	5 GAL.	2'
	SYPA	16	SYRINGA PATULA 'MISS KIM'	MISS KIM DWARF LILAC	5 GAL.	5'
EVERGREEN SHRUBS						
	ARPA	40	ARCTOSTAPHYLOS X COLORADENSIS 'PANCHITO'	PANCHITO MANZANITA	5 GAL.	2'
	CYMI	21	CYTISUS X 'MINSTEAD'	MINSTEAD BROOM	5 GAL.	4'
	EUFO	42	EUONYMUS FORTUNEI 'EMERALD GAIETY'	EMERALD GAIETY WINTERCREPER	5 GAL.	3'
	JUAR	26	JUNIPERUS SABINA 'ARCADIA'	ARCADIA JUNIPER	5 GAL.	2'
	PIMU	29	PINUS MUGO 'PALOUSE'	PALOUSE MUGO PINE	5 GAL.	4'
PERENNIALS & ORNAMENTAL GRASSES						
	CAAC	30	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	1 GAL.	5'
	ECPU	25	ECHINACEA PURPUREA	PURPE CONEFLOWER	1 GAL.	3'
	PEAL	84	PENNISETUM ALOPECUROIDES 'LITTLE BUNNY'	LITTLE BUNNY FOUNTAIN GRASS	1 GAL.	1'
GROUNDCOVERS						
		2,537 SF	TURF	90/10 FESCUE / BLUEGRASS SOD		
		12,670 SF	ROCK MULCH	2" RIVER ROCK DECORATIVE ROCK MULCH		
		133 LF	STEEL EDGER			

GENERAL LANDSCAPE REQUIREMENTS

VEGETATION REQUIRED BASED ON LOT PERMEABLE AREA (ROW, STREETSCAPE & PARKING LOT REQUIREMENTS NOT INCLUDED)					
	CALCULATION	# REQUIRED	# PROVIDED	EVERGREEN REQ. AT 25%-50%	# EVERGREEN PROVIDED
ONE (1) TREE / 1,500 SF OF PERMEABLE AREA	12,803 SF / 1,500 SF	9	15	40%	6
FIVE (5) SHRUBS / 1,500 SF OF PERMEABLE AREA	12,803 SF / 1,500 SF x 5	43	389	41%	158
75% MATURE VEGETATIVE GROUND COVER	12,803 SF x .75	9,602 SF	9,621 SF	NA	NA
15% MINIMUM OVERALL SITE LIVE COVERAGE	39,244 SF x .15	5,887 SF	9,621 SF	NA	NA

SEAL:

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DOUGLAS 234, FILING NO. 6,
AMENDMENT 1, LOT 4
DOUGLAS COUNTY, COLORADO
LANDSCAPE PLAN & DETAILS



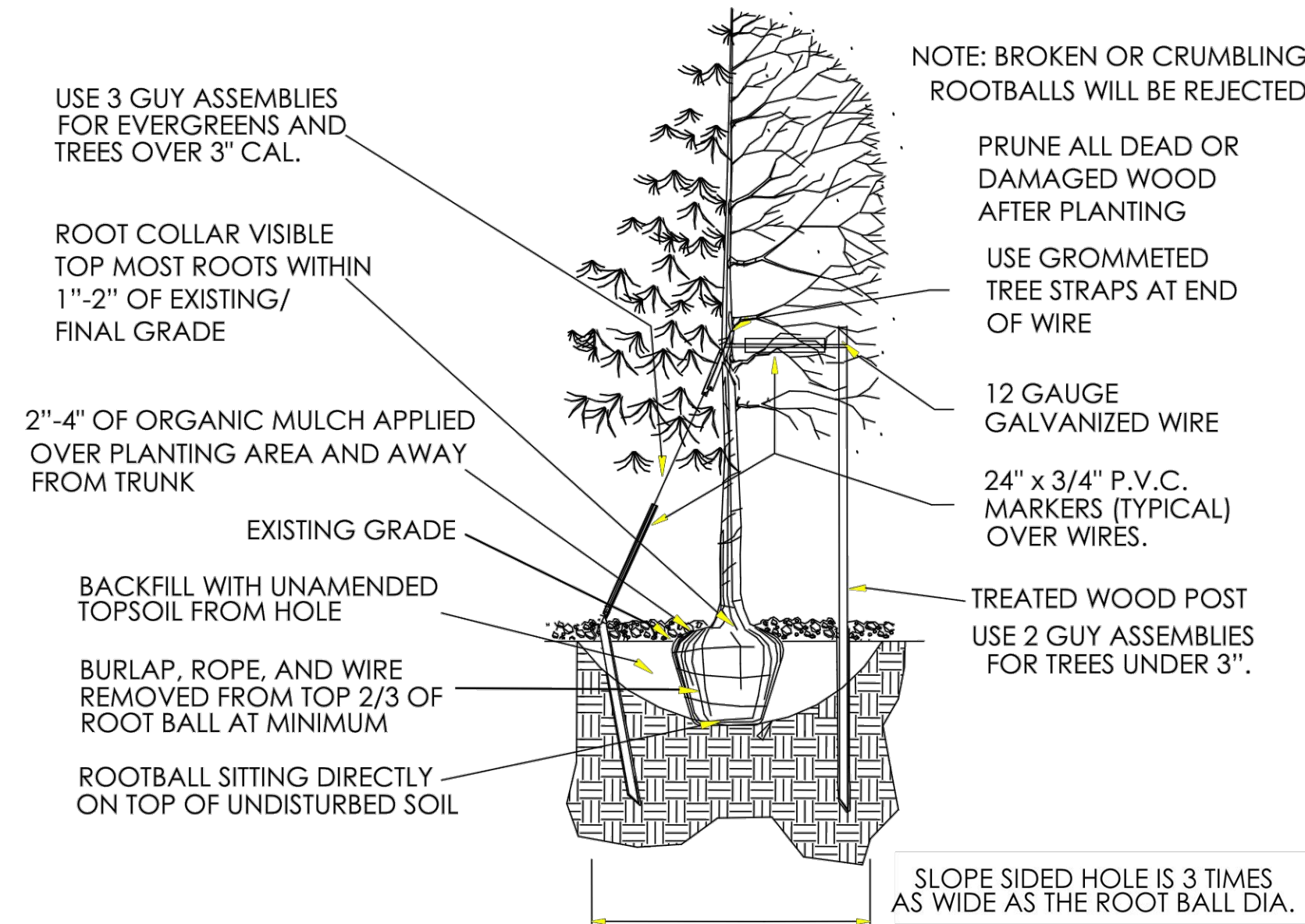
DRAWING NO. 6

5TH SUBMITTAL

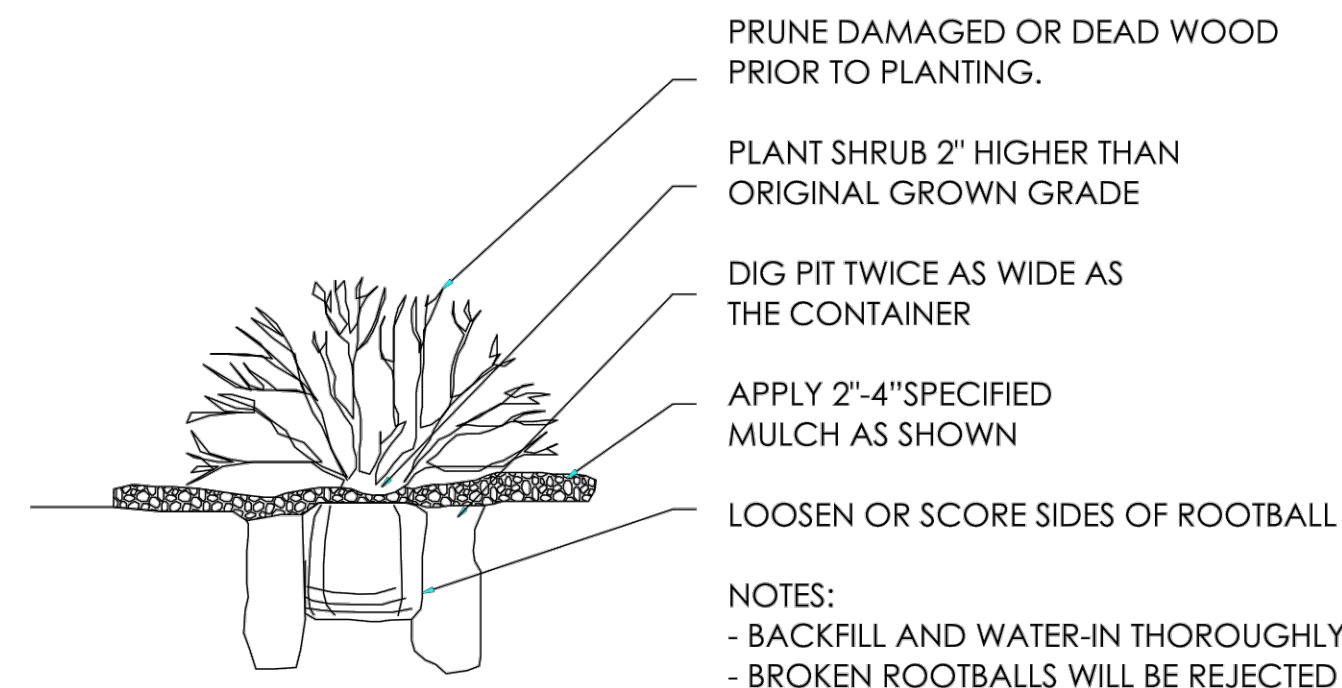
SITE PLAN FOR DUNKIN' DONUTS DOUGLAS 234, FILING NO. 6, AMENDMENT 1, LOT 4

A PORTION OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SE
TOWNSHIP 6 SOUTH, RANGE 66 WEST, 6TH PRINCIPAL MERIDIAN,
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO
0.901 ACRES, 1 COMMERCIAL LOT

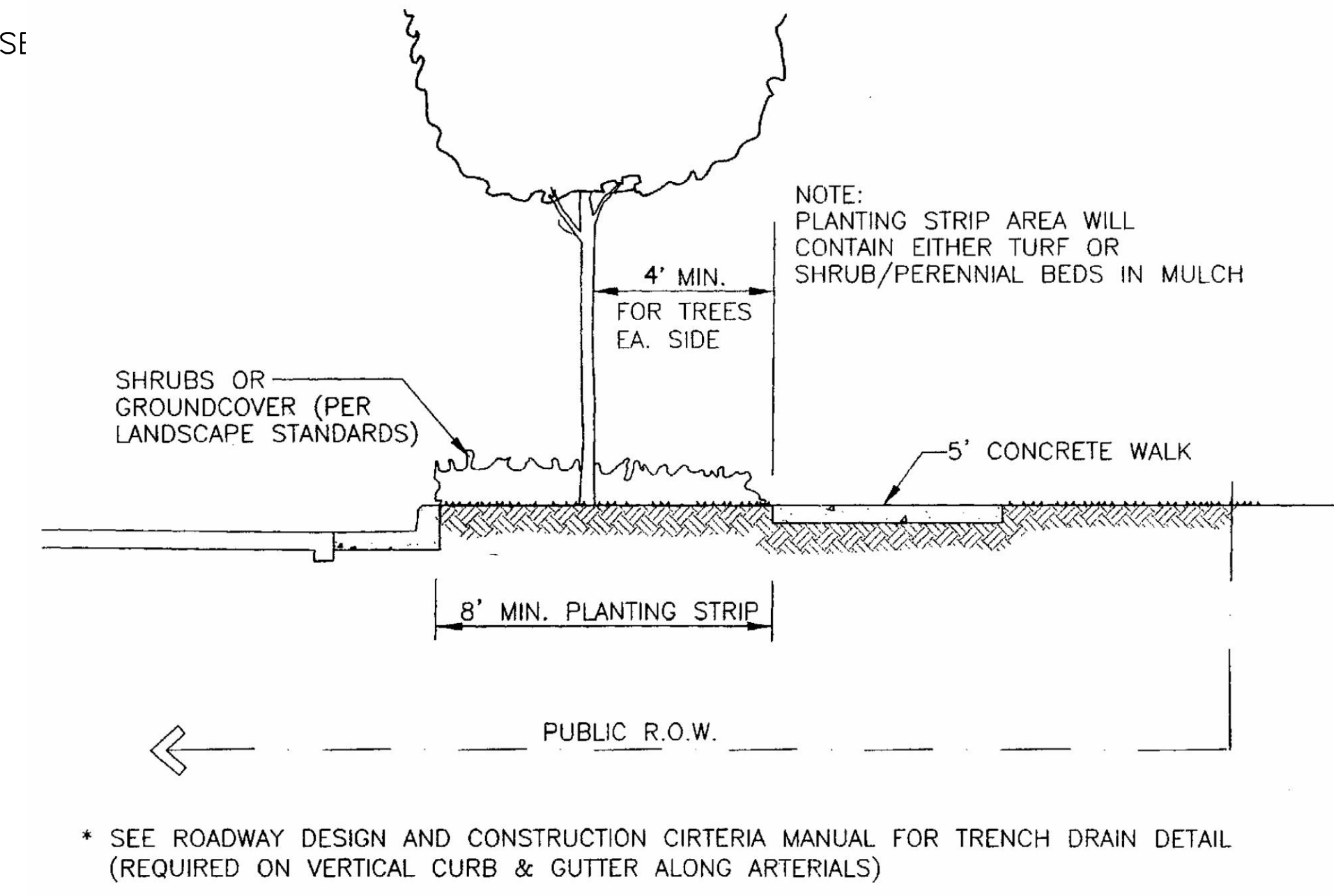
TOWN OF PARKER PLANTING STANDARDS



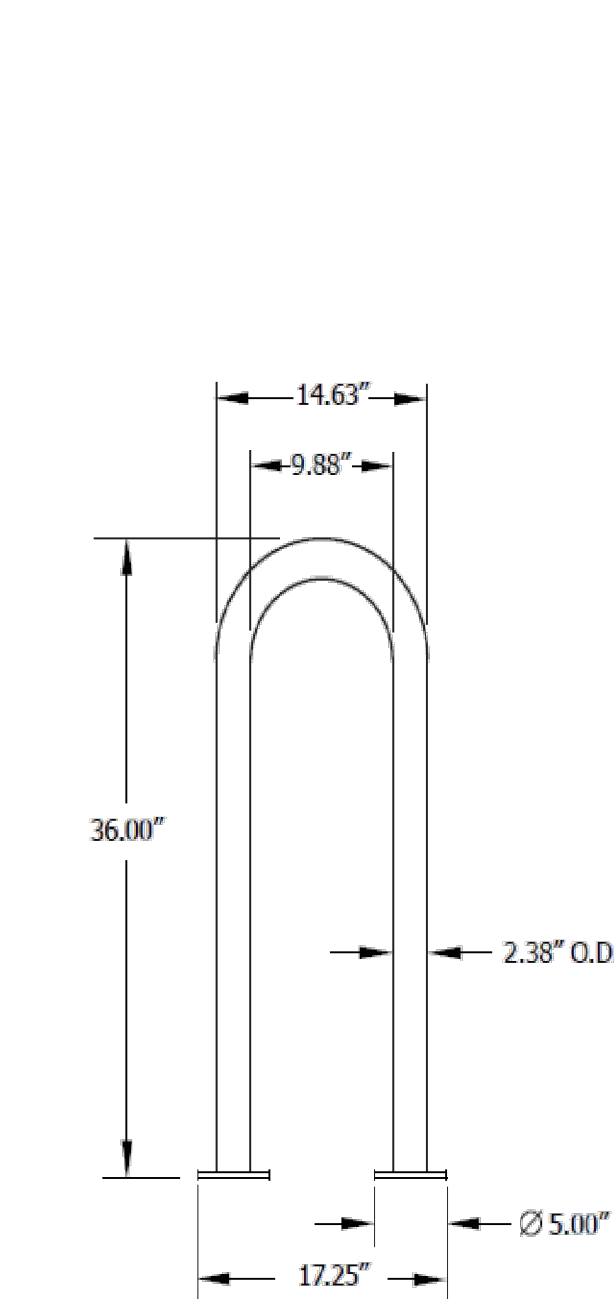
A TREE PLANTING
SCALE: N.T.S.



B SHRUB PLANTING
SCALE: N.T.S.

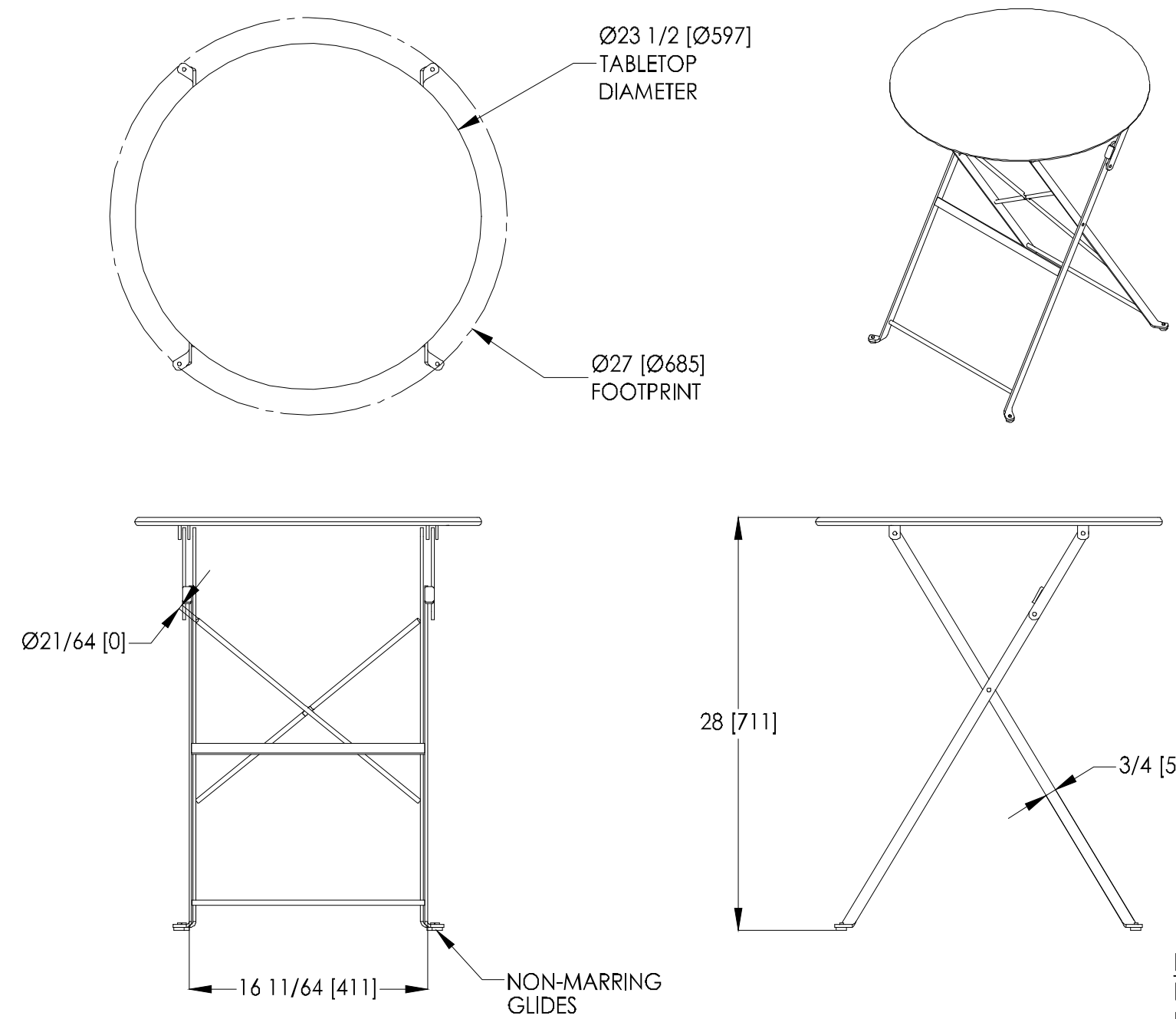


C STREET SECTION WITH DETACHED WALK
SCALE: N.T.S.



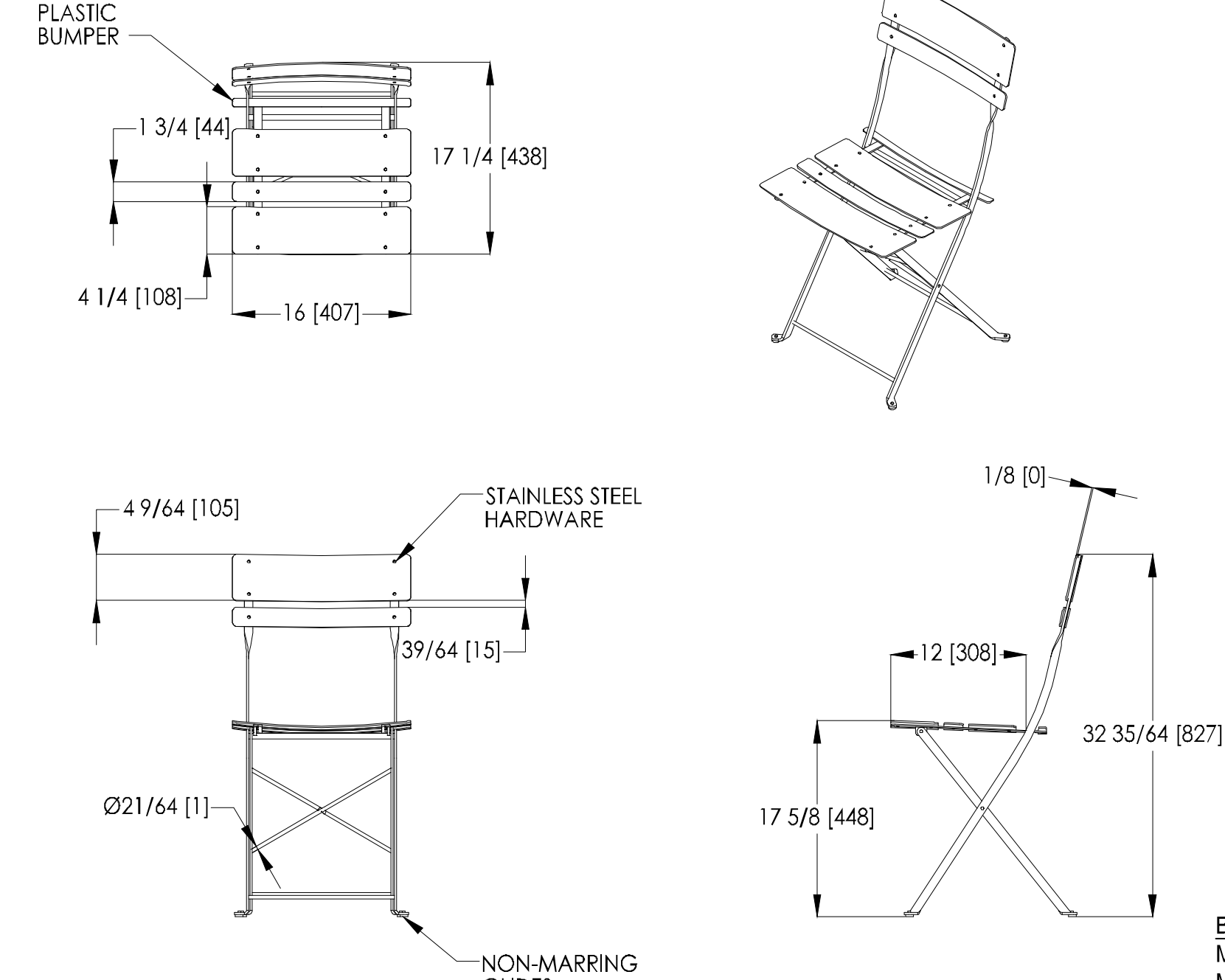
D BIKE RACK
SCALE: N.T.S.

STIDESTEET 1-LOOP RACK,
SURFACE MOUNT
MANUFACTURER: ANOVA
MODEL NUMBER: LBR3PSURF
COLOR: TEXTURED BRONZE
DIMENSIONS: 36"H x 17"W



E PATIO TABLES
SCALE: N.T.S.

BRAVO BISTRO TABLE
MANUFACTURER: LANDSCAPE FORMS
MODEL NUMBER: CS201-01
COLOR: CADMIUM
CONTACT: 1.800.521.2546



F PATIO CHAIRS
SCALE: N.T.S.

BRAVO BISTRO CHAIR
MANUFACTURER: LANDSCAPE FORMS
MODEL NUMBER: CS101-01
COLOR: CADMIUM
CONTACT: 1.800.521.2546

NO.	DATE	BY	REVISION

SEAL:

PROJECT NO: 2243
DATE: 11/10/2023
DRAWN/DESIGNED BY: KN/JG
CHECKED BY: KN

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ENGLEWOOD, CO 80112
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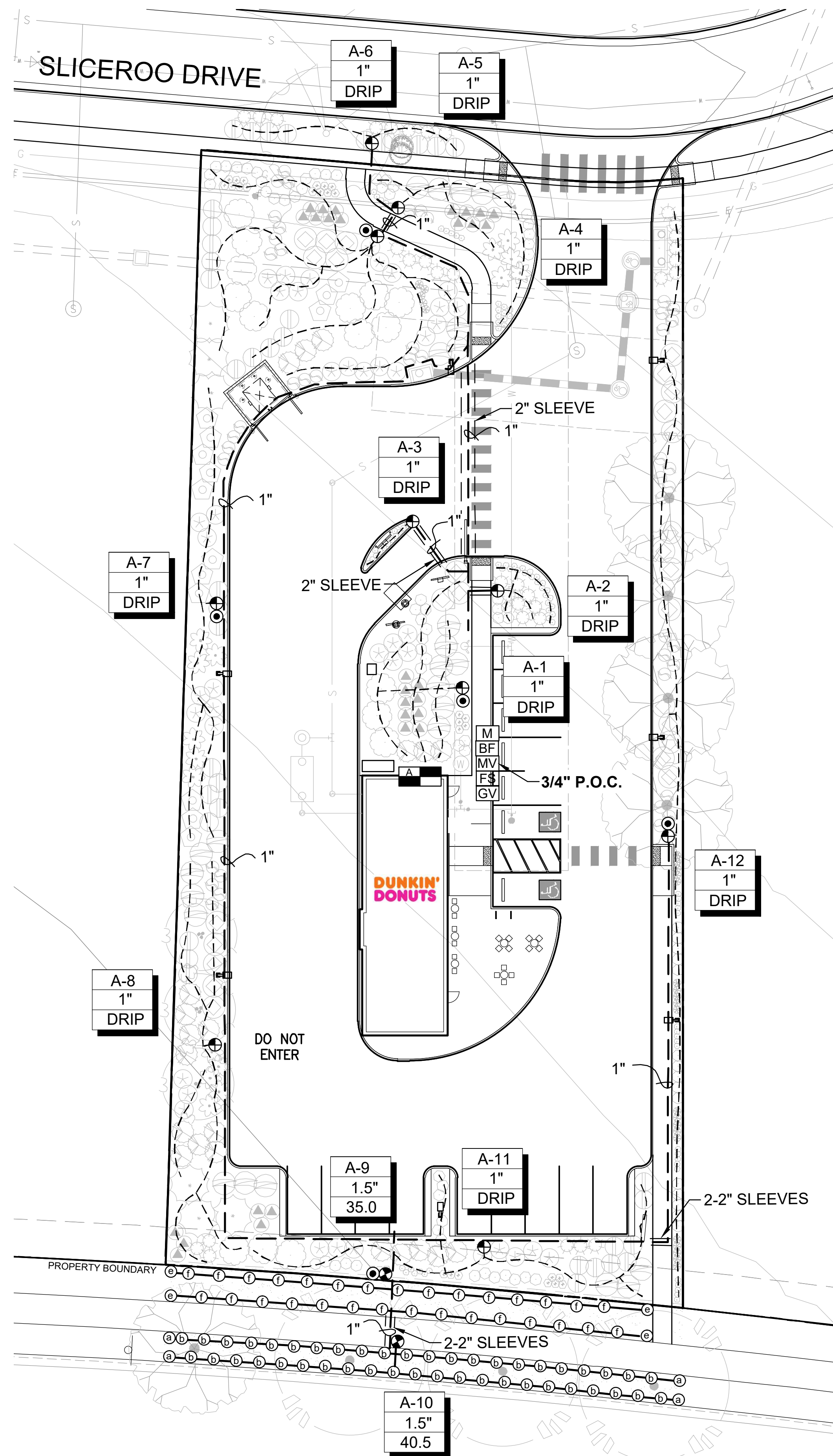
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SITE PLAN PREPARED FOR:
**DOUGLAS 234, FILING NO. 6,
AMENDMENT 1, LOT 4**
DOUGLAS COUNTY, COLORADO

LANDSCAPE PLAN & DETAILS

SITE PLAN FOR DUNKIN' DONUTS DOUGLAS 234, FILING NO. 6, AMENDMENT 1, LOT 4

A PORTION OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 29,
TOWNSHIP 6 SOUTH, RANGE 66 WEST, 6TH PRINCIPAL MERIDIAN,
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO
0.901 ACRES, 1 COMMERCIAL LOT



IRRIGATION NOTES

IRRIGATION - GENERAL

ALL WORK SHALL CONFORM TO TOWN OF PARKER STANDARDS AND SPECIFICATIONS AND WITH THE ACCEPTED PLANS. REFER TO THESE STANDARDS FOR ADDITIONAL INFORMATION AS NEEDED. A COPY OF THESE SPECIFICATIONS SHALL BE AVAILABLE ON THE WORK SITE AT ALL TIMES.

THIS SYSTEM DESIGN ASSUMES A STATIC PRESSURE OF 70 PSI AT THE POINT OF CONNECTION. CONTRACTOR RESPONSIBLE FOR VERIFYING PRESSURE AND FLOW. CONTRACTOR RESPONSIBLE FOR COORDINATION OF ELECTRICAL INSTALLATION OF CONTROLLER.

INSTALL CONTROLLER ON PEDESTAL AT APPROXIMATE LOCATION SHOWN ON PLANS, COORDINATE LOCATION WITH OWNER.

INSTALL ALL ELECTRICAL IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL CODES.

DO NOT PROCEED WITH THE INSTALLATION OF THE IRRIGATION SYSTEM WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS OR GRADE DIFFERENCES EXIST THAT WILL AFFECT THE EFFICIENCY OF THE IRRIGATION SYSTEM. CONTACT OWNERS REPRESENTATIVE FOR CLARIFICATION. IF DISCREPANCIES IN NOTES, DETAILS OR SPECIFICATIONS EXIST CONTACT OWNER'S REPRESENTATIVE TO CLARIFY.

DRAWINGS ARE DIAGRAMMATIC, IRRIGATION SYSTEM IS TO BE INSTALLED IN LANDSCAPE AREAS.

CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL IRRIGATION SLEEVING. COORDINATE ALL SLEEVING INSTALLATION WITH OTHER TRADES.

ALL DRIP LINES TO BE INSTALLED BELOW GRADE AND BROUGHT TO THE BASE OF PLANTS.

THE CONTRACTOR SHALL CERTIFY THAT THE GRADE IS WITHIN PLUS OR MINUS ONE-TENTH (1/10TH) OF THE FINAL GRADING PLAN PRIOR TO COMMENCEMENT OF ANY LANDSCAPE OR IRRIGATION WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS, FEES, AND LICENSES ASSOCIATED WITH THE WORK AS SHOWN ON THE PLANS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR UTILITY LOCATIONS PRIOR TO ANY EXCAVATION. ANY REVISION TO THE IRRIGATION PLAN SHALL BE REVIEWED AND APPROVED BY THE TOWN OF PARKER PRIOR TO IMPLEMENTATION.

THE CONTRACTOR SHALL HAVE ACCEPTED SET OF PLANS AND MUST HAVE HELD A PRE-CONSTRUCTION MEETING WITH OWNERS REPRESENTATIVE PRIOR TO COMMENCEMENT OF ANY AND ALL WORK.

THE CONTRACTOR SHALL WARRANT THE WORKMANSHIP AND IRRIGATION SYSTEM FOR A PERIOD OF TWO YEARS.

DO NOT DISTURB PAVING, LIGHTING, LANDSCAPE OR IRRIGATION THAT EXISTS ADJACENT TO THE SITE UNLESS OTHERWISE NOTED ON PLANS.

THE CONTRACTOR SHALL IDENTIFY, VERIFY AND PROTECT CONTROL POINT. CONTRACTOR SHALL VERIFY LOCATION OF CONTROL POINT WEEKLY AND THE ORIGINAL CONDITION OF CONTROL POINT PIN SHALL BE MAINTAINED THROUGHOUT ENTIRE PROJECT. LOCATION AND G.P.S. COORDINATES OF THE CONTROL POINT SHALL BE IDENTIFIED ON ALL PLANS AND AS-BUILTS.

THE IRRIGATION SYSTEM SHALL BE INSTALLED AFTER SOIL PREPARATION AND PRIOR TO PLANT MATERIALS.

IRRIGATION - INSPECTIONS

CONTRACTOR SHALL BE RESPONSIBLE FOR THE SCHEDULING AND COORDINATION OF ALL REQUIRED INSPECTIONS WITH OWNERS REPRESENTATIVE AND THE TOWN OF PARKER. REFER TO TOWN OF PARKER STANDARDS AND SPECIFICATIONS FOR ALL REQUIRED INSPECTIONS.

THE IRRIGATION SYSTEM SHALL PASS A MAINLINE PRESSURE TEST AND COVERAGE TEST AND A WATERING SCHEDULE WITH RUN TIMES AND APPLICATION RATES SHALL BE SUBMITTED PRIOR TO SODDING, SEEDING, OR PLANTING.

CONTRACTOR SHALL SCHEDULE PRESSURE TEST AT COMPLETION OF MAINLINE, MAINLINE SHALL HOLD AT SEVENTY (70) P.S.I. FOR TWO (2) HOURS.

IRRIGATION - AS-BUILTS

APPROVED CONSTRUCTION DRAWINGS SHALL BE ON SITE AND UPDATED DAILY WITH AS-BUILT MARKUPS. CONTRACTOR SHALL MAKE AS-BUILTS AVAILABLE ON SITE TO TOWN STAFF AND OWNERS REPRESENTATIVE FOR REVIEW AND INSPECTION IMMEDIATELY UPON REQUEST.

RECORD ALL CHANGES WHICH ARE MADE FROM THE CONTRACT DRAWINGS. RECORD ALL REQUIRED INFORMATION ON AS-BUILT DRAWINGS. DO NOT USE THESE PRINTS FOR ANY OTHER PURPOSE.

IRRIGATION MATERIAL LEGEND

SYMBOL	MANUFACT.	MODEL NO. / DESCRIPTION	
	HUNTER	HYDRAWISE X2-1400, IRRIGATION CONTROLLER 'A' 14 STATION CONTROLLER, 12 STATIONS USED	A/9
	P.O.C. 'A'	METER, P.O.C. 'A' - 1" POTABLE TAP. STATIC WATER PRESSURE IS ASSUMED TO BE 70 PSI, CONTRACTOR TO FIELD VERIFY AND NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY IF DIFFERENT	B/9
	FEBCO	BACKFLOW PREVENTION ASSEMBLY 825-YA SPARKERS W/MODEL 650 WYE STRAINER SIZE OF P.O.C. (1" IN STRONG BOX ENCLOSURE. ALL PIPING BETWEEN METER AND BACKFLOW DEVICE SHALL BE 'K' COPPER OR RED BRASS.	B & C/9
	RAINBIRD	BRASS MASTER VALVE, EPB-CP-PRS-D, SIZE OF P.O.C. NORMALLY CLOSED WITH PRESSURE REGULATING MODULE. MASTER VALVE SHALL BE INSTALLED IN A 'JUMBO' SIZED VALVE BOX WITH LOCKING COVER AND 'MCV' HEAT BRANDED ON COVER	B & D/9
	HUNTER	RAIN-CLIK FLOW SENSOR. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.	B/9, B/10
	RAINBIRD	QUICK COUPLER VALVE 44RC WITH LOCKING RUBBER COVER, INSTALLED IN 10" ROUND VALVE BOX WITH 'QCV' HEAT BRANDED ON COVER INSTALL QCV ON A 1" STUB-OUT OFF MAINLINE.	D/10
	RAINBIRD	PEB, REMOTE CONTROL VALVE. BOX WITH LOCKING VALVE COVER AND 'RCV' HEAT BRANDED ON COVER.	A/11
	RAINBIRD	XCZ-150-PRB-COM, 1" REMOTE CONTROL DRIP VALVE KIT. BOX WITH LOCKING VALVE COVER AND 'RCV' HEAT BRANDED ON COVER.	C/11
	AS APPROVED	MAINLINE, CLASS 200 PVC SOLVENT WELD FITTINGS	H/10
	AS APPROVED	LATERAL LINE, CLASS 200 PVC SOLVENT WELD FITTINGS	H/10
	AS APPROVED	HUNTER HDL-CV DRIP TUBING WITH EMITTERS TO BASE OF PLANTS	E/9
	AS APPROVED	SLEEVING, SCH. 40 PVC PIPE, MINIMUM 4" DIAMETER FOR PIPING, LARGER WHERE APPROPRIATE. A SEPARATE 2" SLEEVE, FOR WIRE UNDER ALL PAVED SURFACES.	D, H/11
	RAINBIRD	SHRUBS - POINT SOURCE DRIP ZONE, XERIBUG DRIP EMITTERS ON A STAKE CONNECTED TO POLY DRIP TUBING PER DETAIL.	E/9
	AS APPROVED	WIRE SPLICES ALLOWED ONLY WHERE RUNS EXCEED 2500'. PULL BOXES FOR WIRE SPLICES. PULL BOXES SHALL BE 12" RECTANGULAR WITH LOCKING LID.	I/10
	NETAFIM	DRIP END FLUSH, NETAFIM TL050MPV-1, INSTALL ON PVC EXHAUST MANIFOLD WITHIN VALVE BOX AT LOWEST ELEVATION AND ALL END RUN(S) IN SYSTEM. INSTALL MIN. TYP AS REQUIRED.	

IRRIGATION MATERIAL LEGEND (HEADS):

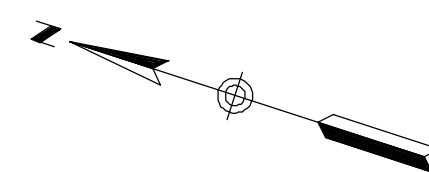
SYMBOL	Q	H	F	MANF.	MODEL NO. / DESCRIPTION	GPM	PRECIP	PSI	RADIUS FT.	DETAIL
	①	②	③	HUNTER	PROS-04-PRS30-8A 4" HIGH POP-UP W/ 8A BROWN NOZZLE	.44, .88, 1.76	3.06	30	8	B/11
	④	⑤	⑥	HUNTER	PROS-04-PRS30-10A 4" HIGH POP-UP W/ 10A RED NOZZLE	.50, 1.00, 2.00	2.22	30	10	B/11

LATERAL PIPE SIZING CHART:

CLASS 200 PIPE	GPM
3/4"	0-10
1"	11-16
1-1/4"	17-26
1-1/2"	27-36
2"	37-55
2-1/2"	56-80

SLEEVING SCHEDULE

PIPE SIZE	SLEEVE SIZE
1/2"	2"
3/4"	2"
1"	2"
1-1/4"	3"
1-1/2"	3"
2"	4"
2-1/2"	6"
3"	6"



SEAL:

811
Know what's below.
Call before you dig.

DRAWING NO. 8

5TH SUBMITTAL

SITE PLAN PREPARED FOR:
**DOUGLAS 234, FILING NO. 6,
AMENDMENT 1, LOT 4**
DOUGLAS COUNTY, COLORADO

LANDSCAPE IRRIGATION & DETAILS

PROJECT NO: 2243
DATE: 2/14/2025

DRAWN/DESIGNED BY: KN/TM
CHECKED BY: KN

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ENGLEWOOD, CO 80112
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rickengineering.com

RICK
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SITE PLAN FOR DUNKIN' DONUTS DOUGLAS 234, FILING NO. 6, AMENDMENT 1, LOT 4

A PORTION OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 29,
TOWNSHIP 6 SOUTH, RANGE 66 WEST, 6TH PRINCIPAL MERIDIAN,
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO
0.901 ACRES, 1 COMMERCIAL LOT

ParkerWater LANDSCAPE/IRRIGATION WORKSHEET
Tap sizing for dedicated irrigation taps

Yellow fields require user input

Irrigation Water Requirement = (ET_o 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)		2,330
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)		0
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)		12607
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)		0
Irrigation Efficiency (IE, %)	Drip	0.9

Site Summary:

Total Irrigated Area (sq ft)	14937
Avg Plant Factor (%)	0.56
Avg Irrigation Efficiency (%)	0.86

Peak monthly ET, Parker, CO:

Peak monthly ET (July):	7.56 in
-------------------------	---------

Irrigation Water Requirement (IWR):

Peak monthly IWR:	47950 gal
Maximum flow requirement	5.0 GPM

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

Hydraulic Requirements:

Tap Size (in)	Max GPM
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

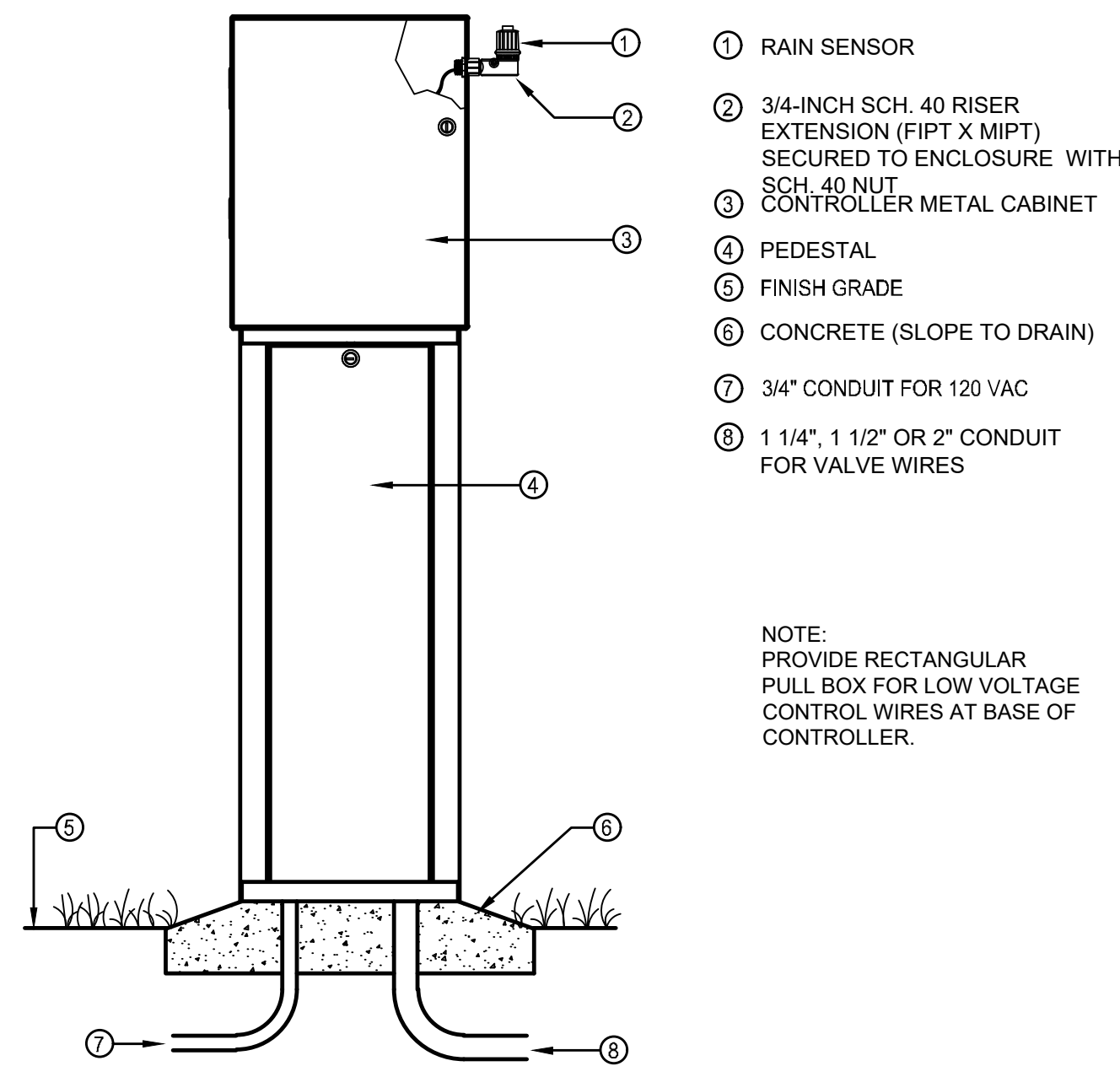
Tap Size Requirement	3/4"
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System Design Pressure: 70 PSI

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

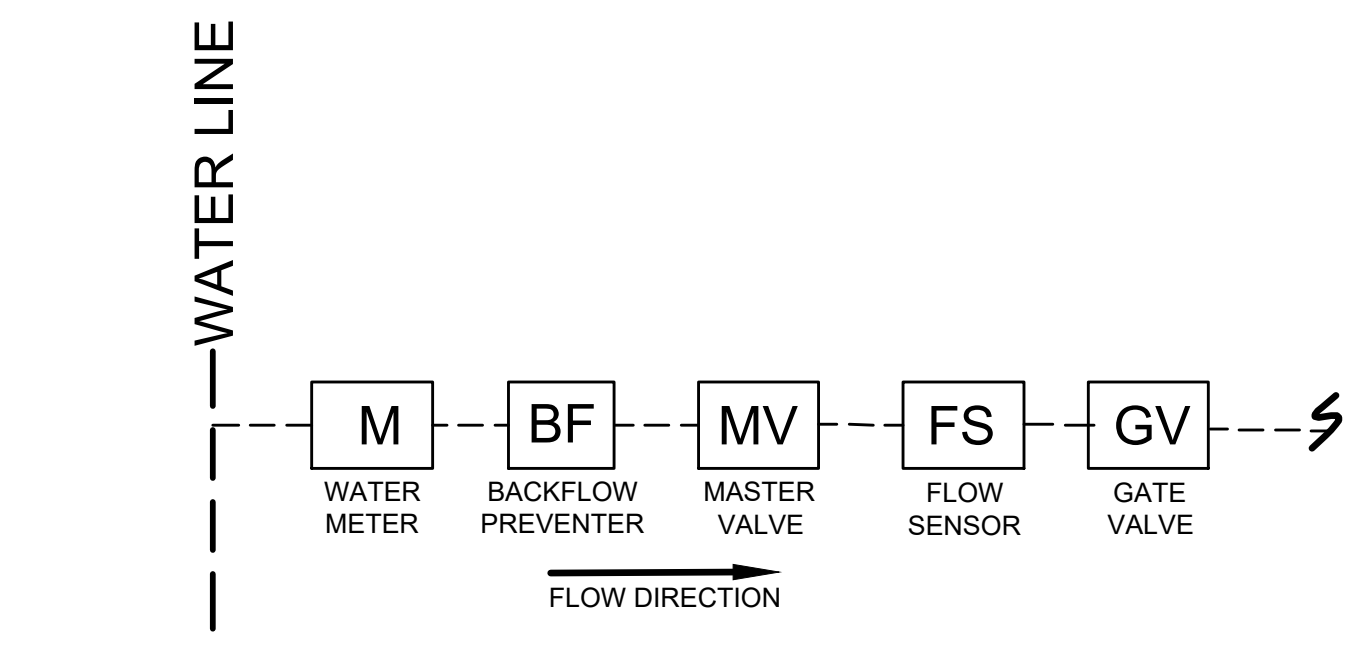
*PWSD holds final discretion for determining appropriate plant factor designations based on landscape plan submission
[Visit Appendix B of the SMWSA Model Ordinance for Plant Factor Guidelines](#)



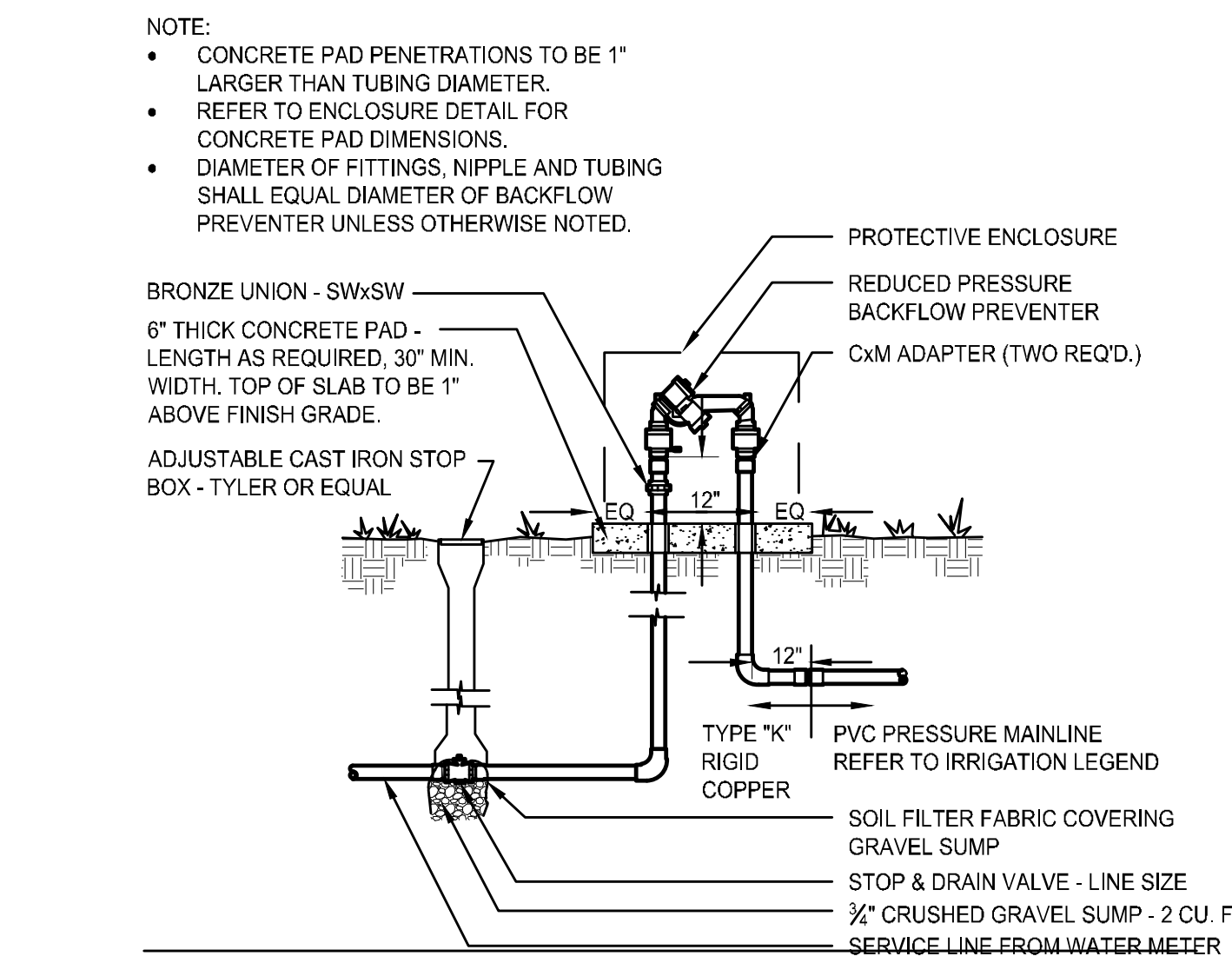
- 1 RAIN SENSOR
- 2 3/4-INCH SCH. 40 RISER EXTENSION (F1PT X MIPT) SECURED TO ENCLOSURE WITH SCH. 40 NUT
- 3 CONTROLLER METAL CABINET
- 4 PEDESTAL
- 5 FINISH GRADE
- 6 CONCRETE (SLOPE TO DRAIN)
- 7 3/4" CONDUIT FOR 120 VAC
- 8 1 1/4", 1 1/2" OR 2" CONDUIT FOR VALVE WIRES

NOTE: PROVIDE RECTANGULAR PULL BOX FOR LOW VOLTAGE CONTROL WIRES AT BASE OF CONTROLLER.

A CONTROLLER PEDESTAL MOUNT
SCALE: N.T.S.

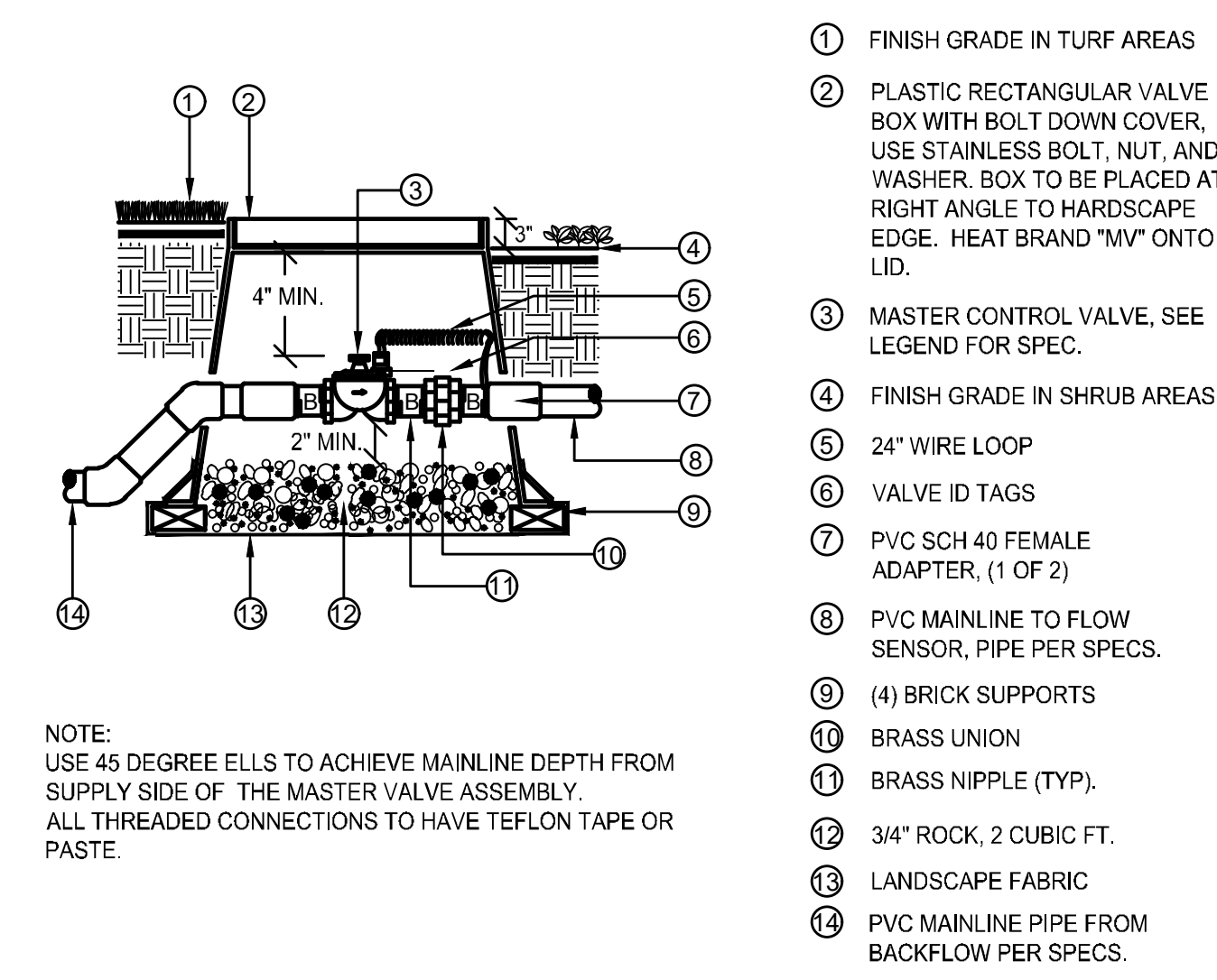


B POINT OF CONNECTION (P.O.C.)
SCALE: N.T.S.



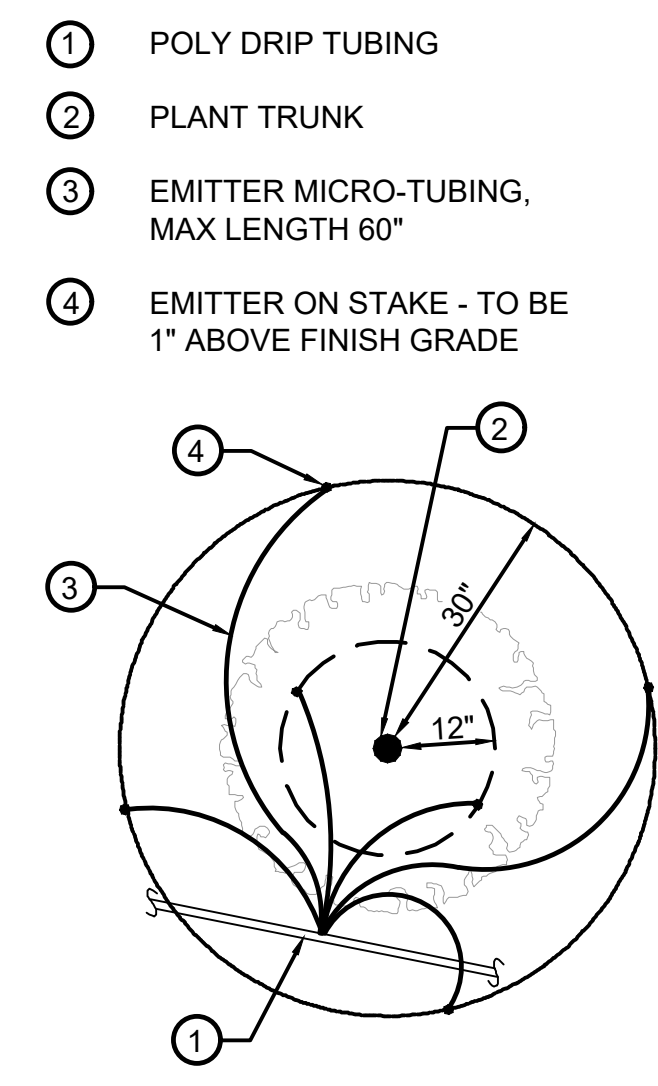
- NOTE:
- CONCRETE PAD PENETRATIONS TO BE 1" LARGER THAN TUBING DIAMETER. REFER TO ENCLOSURE DETAIL FOR CONCRETE PAD DIMENSIONS.
 - DIAMETER OF FITTINGS, NIPPLE AND TUBING SHALL EQUAL DIAMETER OF BACKFLOW PREVENTER UNLESS OTHERWISE NOTED.

C BACKFLOW PREVENTER
SCALE: N.T.S.



- 1 FINISH GRADE IN TURF AREAS
- 2 PLASTIC RECTANGULAR VALVE BOX WITH BOLT DOWN COVER. USE STAINLESS BOLT, NUT, AND WASHER. BOX TO BE PLACED AT RIGHT ANGLE TO HARDSCAPE EDGE. HEAT BRAND "MV" ONTO LID.
- 3 MASTER CONTROL VALVE. SEE LEGEND FOR SPEC.
- 4 FINISH GRADE IN SHRUB AREAS
- 5 24" WIRE LOOP
- 6 VALVE ID TAGS
- 7 PVC SCH 40 FEMALE ADAPTER, (1 OF 2)
- 8 PVC MAINLINE TO FLOW SENSOR, PIPE PER SPECS.
- 9 (4) BRICK SUPPORTS
- 10 BRASS UNION
- 11 BRASS NIPPLE (TYP.)
- 12 3/4" ROCK, 2 CUBIC FT.
- 13 LANDSCAPE FABRIC
- 14 PVC MAINLINE PIPE FROM BACKFLOW PER SPECS.

D MASTER VALVE
SCALE: N.T.S.



- 1 POLY DRIP TUBING
- 2 PLANT TRUNK
- 3 EMITTER MICRO-TUBING, MAX LENGTH 60"
- 4 EMITTER ON STAKE - TO BE 1" ABOVE FINISH GRADE

E DRIP EMITTER
SCALE: N.T.S.

PLANT SIZE	EMITTER FLOW RATE	EMITTER QTY. AT MULCHED BED LOCATIONS	EMITTER QTY. AT NATIVE SEED LOCATIONS
1-2 GALLON MATERIAL	0.5 GPH	ONE EACH	ONE EACH
5 GALLON MATERIAL	0.5 GPH	TWO EACH	TWO EACH
1-1/2" CALIPER TREE	1 GPH	THREE EACH	FOUR EACH
2" CALIPER TREE	1 GPH	FOUR EACH	SIX EACH
2-1/2" CALIPER TREE	1 GPH	SIX EACH	EIGHT EACH
3" CALIPER TREE	1 GPH	EIGHT EACH	TEN EACH
3-1/2" CALIPER TREE	1 GPH	NINE EACH	ELEVEN EACH
4" CALIPER TREE	1 GPH	TEN EACH	TWELVE EACH
6 FT. CONIFEROUS TREE	1 GPH	FOUR EACH	SIX EACH
8 FT. CONIFEROUS TREE	1 GPH	SIX EACH	NINE EACH
10 FT. CONIFEROUS TREE	1 GPH	EIGHT EACH	TWELVE EACH
12 FT. CONIFEROUS TREE	1 GPH	TEN EACH	FOURTEEN EACH

NO.	BY	DATE	REVISION

SEAL:

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ENGLEWOOD, CO 80112
303.537.8020

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ENGINEERING COMPANY

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San Diego - Riverside - San Luis Obispo - Orange - Tucson - Phoenix - Las Vegas - Denver

PROJECT NO: 2243
DRAWN/DESIGNED BY: KN/TM
DATE: 2/14/2025
CHECKED BY: KN

SITE PLAN PREPARED FOR:

**DOUGLAS 234, FILING NO. 6,
AMENDMENT 1, LOT 4**

DOUGLAS COUNTY, COLORADO

LANDSCAPE IRRIGATION & DETAILS

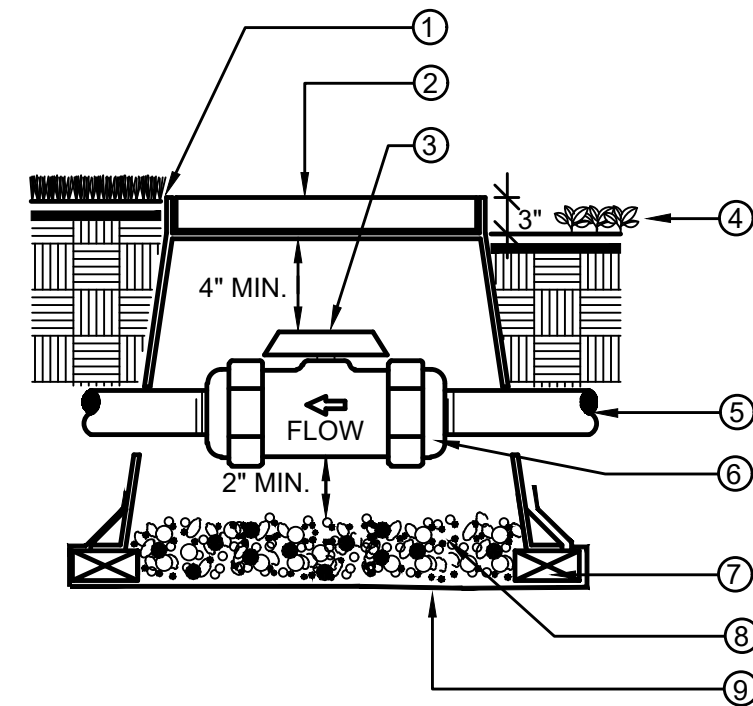
811
Know what's below.
Call before you dig.

DRAWING NO. 9

5TH SUBMITTAL

SITE PLAN FOR DUNKIN' DONUTS DOUGLAS 234, FILING NO. 6, AMENDMENT 1, LOT 4

A PORTION OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 29,
TOWNSHIP 6 SOUTH, RANGE 66 WEST, 6TH PRINCIPAL MERIDIAN,
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO
0.901 ACRES, 1 COMMERCIAL LOT



- ① FINISH GRADE IN TURF AREAS
- ② PLASTIC RECTANGULAR VALVE BOX WITH BOLT DOWN COVER. USE STAINLESS BOLT, NUT, AND WASHER. BOX TO BE PLACED AT RIGHT ANGLE TO HARDSCAPE EDGE. HEAT BRAND "BV" ONTO LID.
- ③ PVC BALL VALVE. SEE LEGEND FOR SPECIFICATION
- ④ FINISH GRADE IN SHRUB AREAS
- ⑤ MAINLINE, DEPTH AS PER SPECS.
- ⑥ DUAL UNION CONNECTIONS AS PART OF BALL VALVE. THREADED IF SPECIFIED IN LEGEND
- ⑦ (4) BRICK SUPPORTS
- ⑧ 3/4" ROCK, 2 CUBIC FT.
- ⑨ LANDSCAPE FABRIC

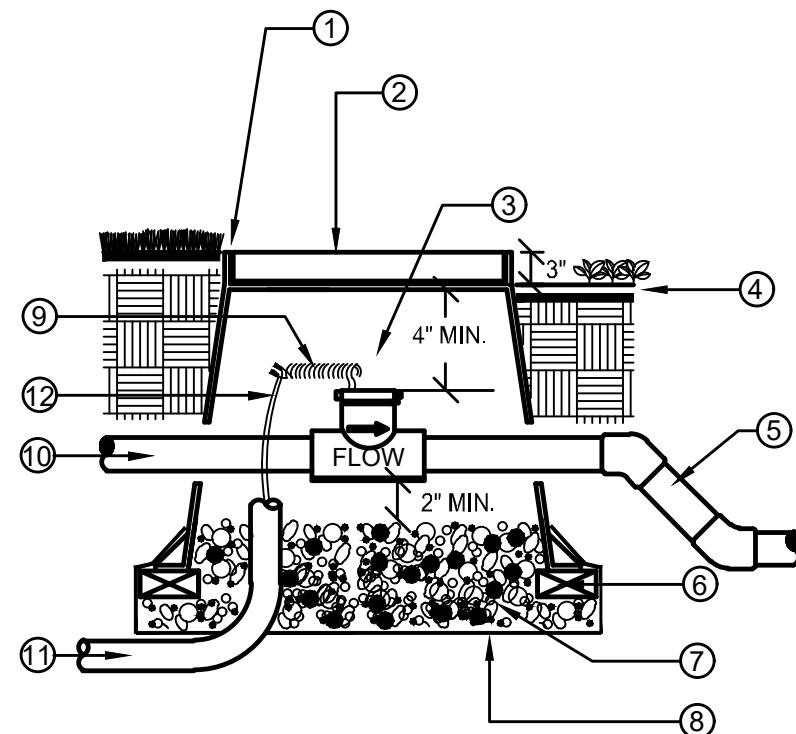
NOTE:
BOX TO BE INSTALLED TO ALLOW FOR PROPER OPERATION OF BALL VALVE HANDLE. INSTALL AT RIGHT ANGLE TO HARDSCAPE EDGE.

INSTALL VALVE BOX EXTENSIONS AS REQUIRED TO ACHIEVE PROPER VALVE INSTALLATION AT MAINLINE DEPTH.

ALL THREADED CONNECTIONS SHALL HAVE TEFLON TAPE OR PASTE.

A BALL VALVE, TRU-UNION

SCALE: N.T.S.

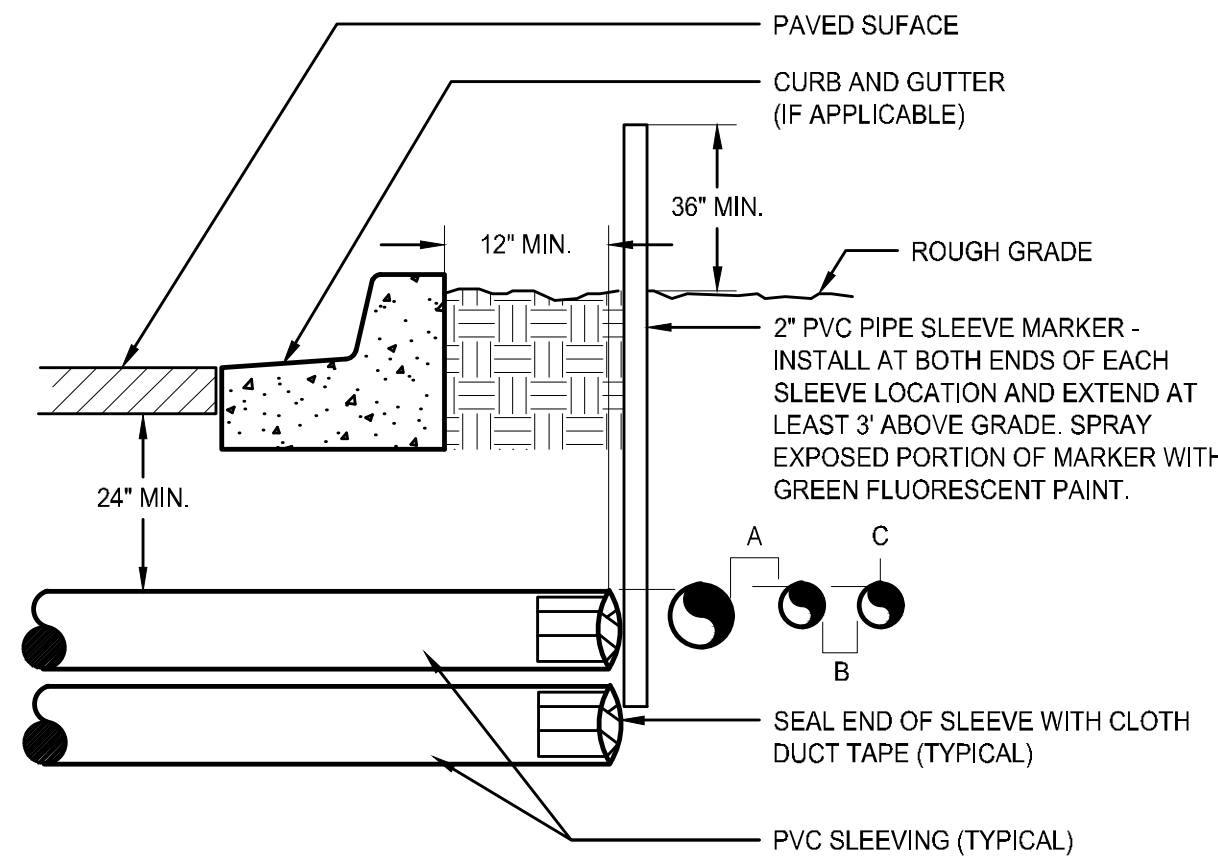


- ① FLUSH W/ FINISH GRADE IN TURF AREAS TYP.
- ② CONCRETE RECTANGULAR VALVE BOX WITH CAST IRON LOCKING LID. BOX TO BE PLACED AT RIGHT ANGLE TO HARDSCAPE EDGE. PAINT "FS" ONTO LID.
- ③ FLOW SENSOR. SEE LEGEND FOR SPECIFICATION
- ④ FINISH GRADE IN SHRUB MULCH AREAS
- ⑤ PVC MAINLINE TO SYSTEM, PIPE PER SPECIFICATION
- ⑥ (4) BRICK SUPPORTS
- ⑦ 3/4" ROCK, 2 CUBIC FEET
- ⑧ LANDSCAPE FABRIC
- ⑨ 24" WIRE LOOP
- ⑩ PVC MAINLINE FROM MASTER VALVE
- ⑪ 1" ELECTRICAL CONDUIT TO CONTROLLER
- ⑫ SHIELDED CABLE

NOTE:
NO FITTINGS 10x PIPE O.D. UPSTREAM OF SENSOR, NO FITTINGS 5x PIPE O.D. DOWNSTREAM OF SENSOR.
INSTALL FLOW SENSOR PER THE MANUFACTURER'S RECOMMENDATIONS. ROUTE WIRES THROUGH CONDUIT TO IRRIGATION CONTROLLER.
USE 45 DEGREE ELLS TO ACHIEVE MAINLINE DEPTH ON THE DOWNSTREAM SIDE OF THE FLOW SENSOR.

B FLOW SENSOR

SCALE: N.T.S.

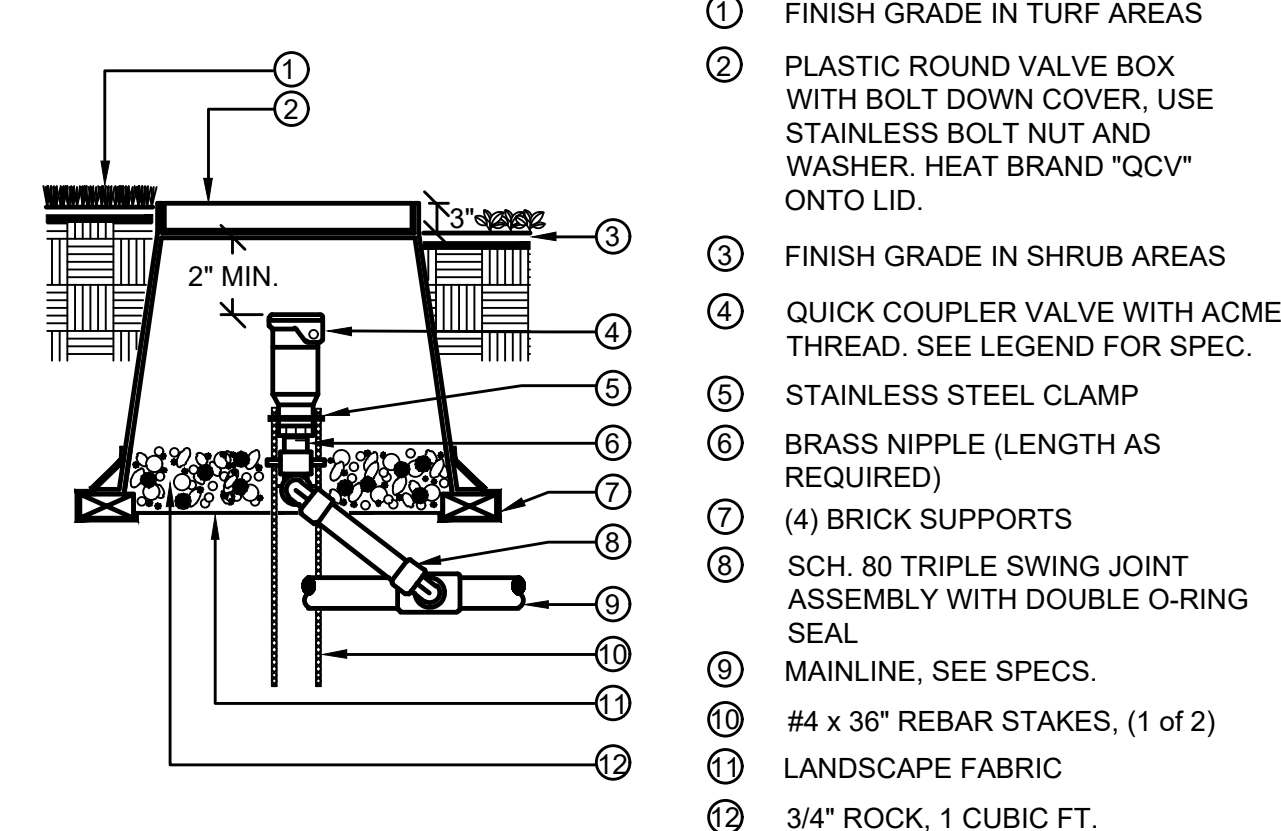


- ① PAVED SURFACE
- ② CURB AND GUTTER (IF APPLICABLE)
- ③ ROUGH GRADE
- ④ 2" PVC PIPE SLEEVE MARKER - INSTALL AT BOTH ENDS OF EACH SLEEVE LOCATION AND EXTEND AT LEAST 3' ABOVE GRADE. SPRAY EXPOSED PORTION OF MARKER WITH GREEN FLUORESCENT PAINT.
- ⑤ SEAL END OF SLEEVE WITH CLOTH DUCT TAPE (TYPICAL)
- ⑥ PVC SLEEVING (TYPICAL)

NOTE:
• ALL SLEEVE MATERIAL PER IRRIGATION SCHEDULE. SIZE AS NOTED ON PLAN.
• INSTALL SLEEVES IN SIDE-BY-SIDE CONFIGURATION WHERE MULTIPLE SLEEVES ARE TO BE INSTALLED. SPACE SLEEVES 4" TO 6" APART. DO NOT STACK SLEEVES VERTICALLY.
• CONTRACTOR TO COORDINATE WITH FLATWORK INSTALLER TO BRAND A "V" IN SIDEWALK OR CURB AT BOTH ENDS OF SLEEVE CROSSING.

C IRRIGATION SLEEVING

SCALE: N.T.S.

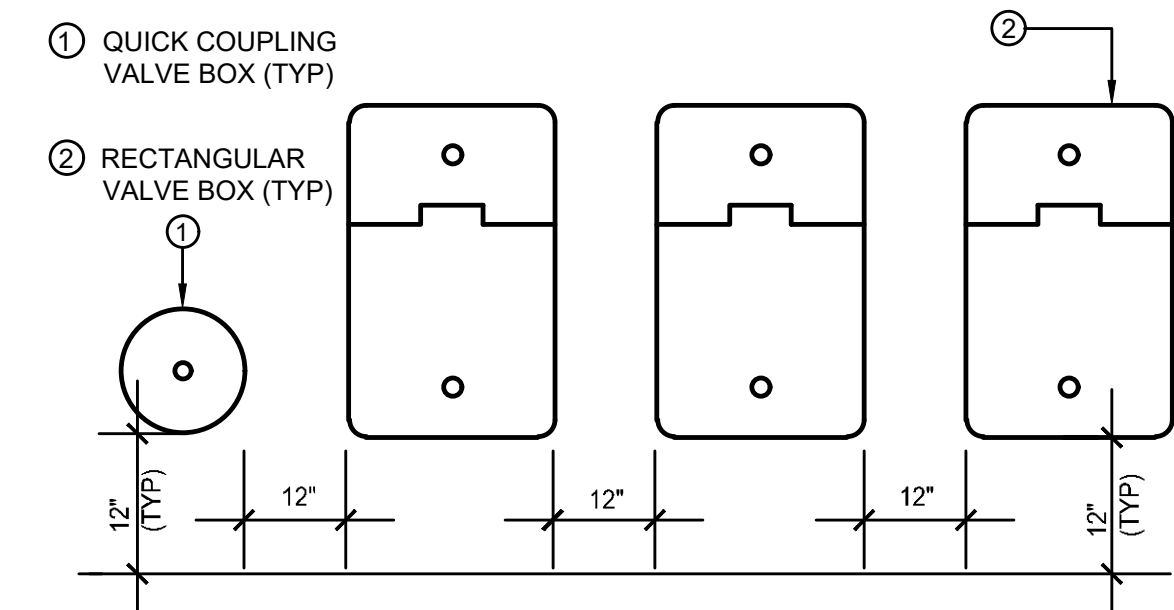


- ① FINISH GRADE IN TURF AREAS
- ② PLASTIC ROUND VALVE BOX WITH BOLT DOWN COVER, USE STAINLESS BOLT NUT AND WASHER. HEAT BRAND "QCV" ONTO LID.
- ③ FINISH GRADE IN SHRUB AREAS
- ④ QUICK COUPLER VALVE WITH ACME THREAD. SEE LEGEND FOR SPEC.
- ⑤ STAINLESS STEEL CLAMP
- ⑥ BRASS NIPPLE (LENGTH AS REQUIRED)
- ⑦ (4) BRICK SUPPORTS
- ⑧ SCH. 80 TRIPLE SWING JOINT ASSEMBLY WITH DOUBLE O-RING SEAL
- ⑨ MAINLINE, SEE SPECS.
- ⑩ #4 x 36" REBAR STAKES, (1 of 2)
- ⑪ LANDSCAPE FABRIC
- ⑫ 3/4" ROCK, 1 CUBIC FT.

NOTE:
ALL THREADED CONNECTIONS TO HAVE TEFLON TAPE OR PASTE.
QUICK COUPLER VALVE KEY MUST SWIVEL FREELY WHEN INSERTED INTO LUG TRACK.

D QUICK COUPLER VALVE

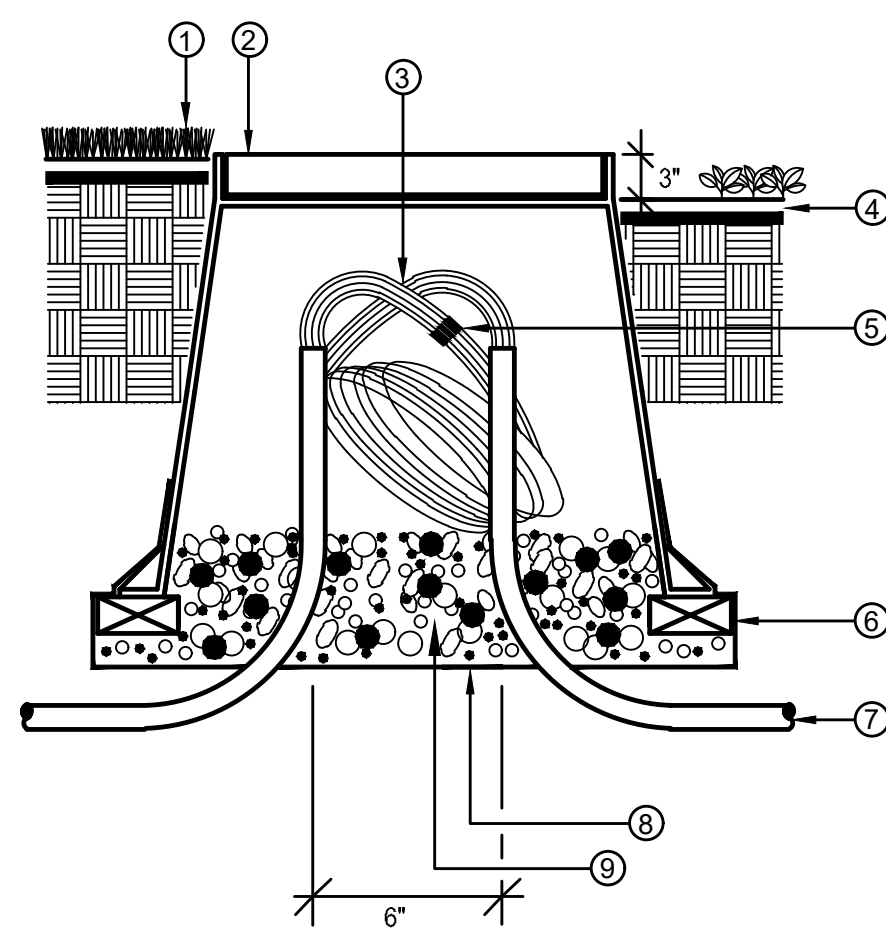
SCALE: N.T.S.



- ① QUICK COUPLER VALVE BOX (TYP)
 - ② RECTANGULAR VALVE BOX (TYP)
- NOTES:
1. VALVE BOXES SHALL BE LABELED BY HOT IRON BRANDING OR ALUMINUM ASPHALT BASED WATERPROOF PAINT.
2. CONTROL VALVES SHALL BE INSTALLED TO ALLOW ORDERLY ARRANGEMENT OF VALVE BOXES.
3. LOCATE VALVE ASSEMBLIES IN SHRUB OR GROUND COVER AREAS WHEN POSSIBLE.
4. LOCATION OF VALVE ASSEMBLIES SHALL BE STAKED FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
5. CENTER VALVE BOXES OVER VALVE ASSEMBLY TO FACILITATE ACCESS AND MAINTENANCE.
6. SET VALVE BOXES AT EQUAL ELEVATIONS WITH TOPS AT FINISH GRADE IN TURF AREAS OR 3" ABOVE FINISH GRADE IN SHRUB/GROUND COVER AREAS.
7. VALVE BOXES SHALL BE SET PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGE OF AREA.
8. DO NOT DEFORM OR COLLAPSE VALVE BOX BY EXCESSIVE SOIL COMPACTING AROUND BOX.
9. ON RECYCLED SYSTEMS ALL VALVE BOXES AND QUICK COUPLER VALVES SHALL BE CLEARLY COLORED PURPLE.

E VALVE BOX LAYOUT

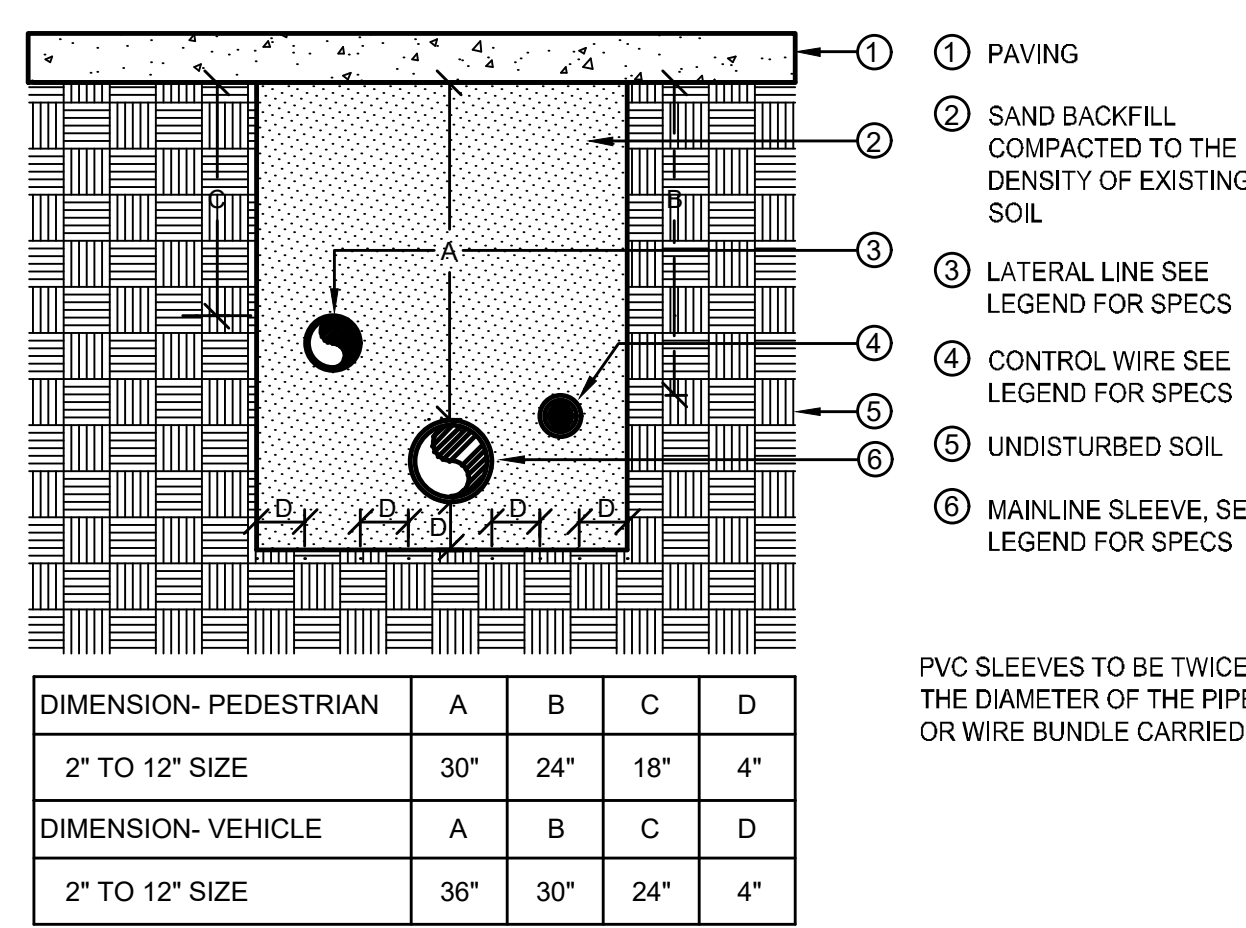
SCALE: N.T.S.



- ① FINISHED GRADE IN TURF AREAS
- ② 10" ROUND PLASTIC VALVE BOX WITH BOLT DOWN COVER, USE STAINLESS BOLT, NUT, AND WASHER. HEAT BRAND "PB" ONTO LID.
- ③ 24" WIRE EXPANSION LOOP (TYP.)
- ④ FINISH GRADE IN SHRUB AREAS
- ⑤ WATER PROOF WIRE CONNECTORS
- ⑥ (4) BRICK SUPPORTS
- ⑦ PVC ELECTRICAL SWEEP (IF INSTALLED IN CONDUIT)
- ⑧ LANDSCAPE FABRIC
- ⑨ 3/4" ROCK, 1 CUBIC FT.

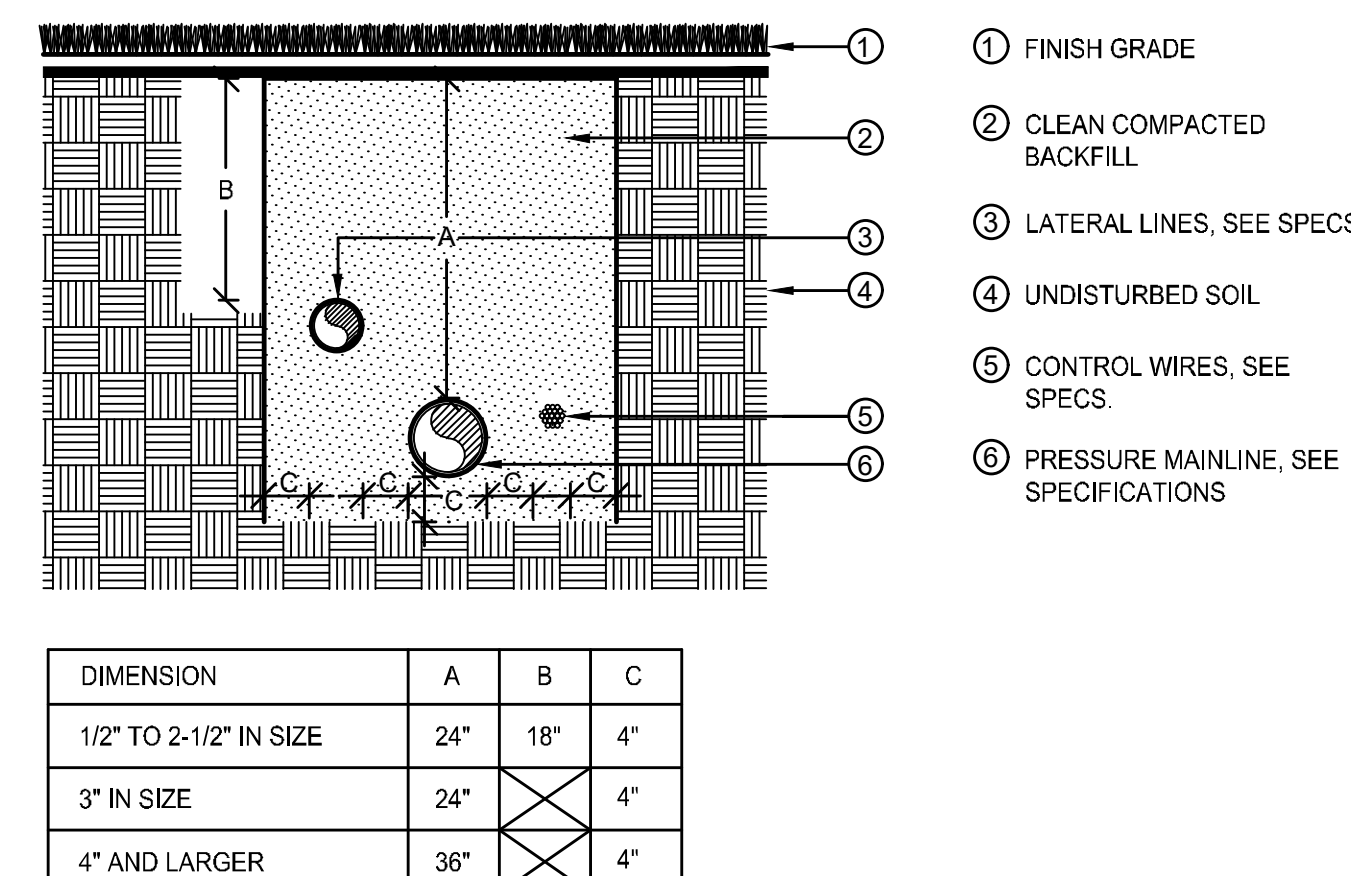
F ROUND PULL BOX

SCALE: N.T.S.



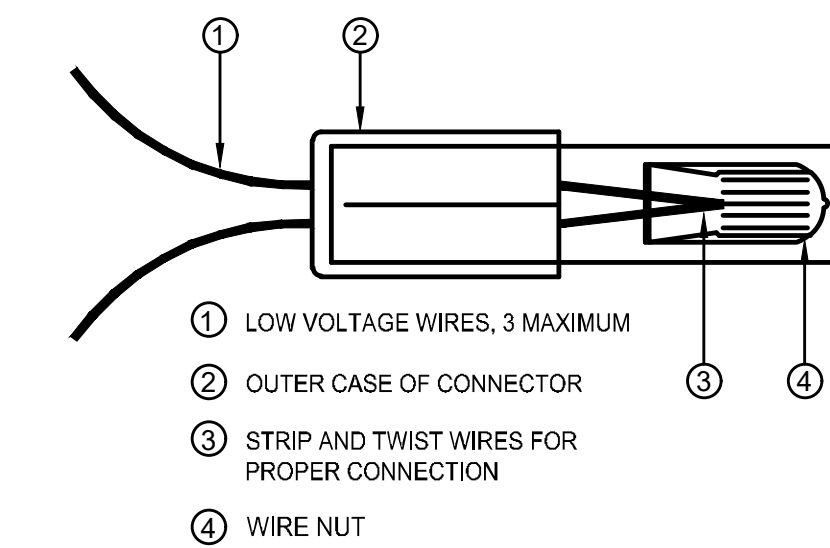
G SLEEVE INSTALLATION

SCALE: N.T.S.



H PIPE INSTALLATION

SCALE: N.T.S.



I WIRE CONNECTIONS

SCALE: N.T.S.

SEAL:

8678 CONCORD CENTER DR, UNIT 200
ENGLEWOOD, CO 80112
303.537.8020
rickengineering.com

RICK
ENGINEERING COMPANY

San Diego - Riverside - Sacramento - Orange - Tucson - Phoenix - Las Vegas - Denver

22-43 DRAWN/DESIGNED BY: KN/TM
2/14/2025 CHECKED BY: KN

SITE PLAN PREPARED FOR:
**DOUGLAS 234, FILING NO. 6,
AMENDMENT 1, LOT 4**
DOUGLAS COUNTY, COLORADO

LANDSCAPE IRRIGATION & DETAILS

811
Know what's below.
Call before you dig.

DRAWING NO.
10

5TH SUBMITTAL

PRELIMINARY
NOT FOR BIDDING
NOT FOR CONSTRUCTION

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SITE PLAN DOCUMENTS
DOUGLAS 234, FILING NO. 6,
AMENDMENT 1, LOT 4
QUALITY BRAND GROUP CO., LLC
CHAMBERS & HESS
PARKER, CO

#	Date	Issue / Description	Init.
1	11/10/23	Resubmittal	JMG
2	2/14/2025	Resubmittal	JMG
3			
4			
5			
6			
7			
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10			
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12			
13			
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17			
18			
19			
20			

Project No: 06G02
Drawn By: JG
Checked By: JG
Date: August 25, 2023

PHOTOMETRIC
DETAILS
13

SITE PLAN
DOUGLAS 234, FILING NO. 6,
AMENDMENT 1, LOT 4

A PORTION OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 29,
TOWNSHIP 6 SOUTH, RANGE 66 WEST, 6TH PRINCIPAL MERIDIAN,
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO
13.80 ACRES, 11 COMMERCIAL LOTS

Lumark
Prevail LED
Area / Site Luminaire

Product Features

- Lumen packages range from 4,800 - 84,000 lumens (35W - 588W)
- Replaces 70W up to 1,000W HID equivalents
- Efficacies up to 160 lumens per watt
- Energy and maintenance savings up to 85% versus HID solutions
- Standard universal quick mount arm with universal drill pattern

Dimensional Details

COOPER Lighting Solutions

Lumark
Prevail LED
Area / Site Luminaire

Product Certifications

Connected Systems

- WaveLinx

COOPER Lighting Solutions

Lumark
XTOR Crosstour LED

DESCRIPTION

The patented Lumark Crosstour™ LED Wall Pack Series of luminaires provides an architectural style with super bright, energy efficient LEDs. The low profile, rugged die-cast aluminum construction, universal back box, stainless steel hardware along with a sealed and gasketed optical compartment make the Crosstour™ impervious to contaminants. The Crosstour wall luminaire is ideal for wall surfaces, inverted mount for superintendence illumination, post-installation site lighting, floodlight and low level pathway illumination including stairs. Typical applications include building entrances, multi-use facilities, apartment buildings, institutions, schools, stairways and loading docks.

Optical

Silicone sealed optical LED chamber incorporates a custom engineered mirrored anodized and back box. Matching housing styles incorporate both a small and medium design. The small housing is available in 12W, 18W and 30W. The medium housing is available in 12W, 18W and 30W. The medium housing allows for safe and easy low-voltage electrical connections with the supplied push-in connectors. Back box includes three half-inch NPT threaded conduit entry points. The universal back box supports both the small and medium forms and mounts to standard 3/4" x 4" round and octagonal 4" square, single gage and masonry junction boxes. Key hole gasket allows for adaptation to junction box or wall. External fin design extracts heat from the fixture surface. One-piece silicone gasket seals door and back box. Minimum 5' wide 72,000 hour LED threaded conduit entry points allow for three branch wiring. Back box is an authorized electrical wiring compartment. Integrated LED electronic driver is standard 0-10V dimming, 120-277V 50/60Hz or 347V 60Hz mode.

XTOR Crosstour LED

COOPER Lighting Solutions

XTOR Crosstour LED

ORDERING INFORMATION

Series*	LED Matrix Color	Housing Color	Options (Add as Suffix)	Accessories (Order Separately)*
XTORB-Small Door, 12W	Standard (Standard)	Standard (Standard)	None	None
XTORB-Medium Door, 18W	Standard (Standard)	Standard (Standard)	None	None
XTORB-Large Door, 30W	Standard (Standard)	Standard (Standard)	None	None

COOPER Lighting Solutions

dmf
DRD2
Recessed LED Downlight
General New Construction
4", 5", 6" Aperture

PRODUCT SPECIFICATIONS

Frame-in Kit

HOUSING: 18 ga. die-formed aluminum box fastened to 22 ga. steel mounting frame (4" frame-in kit, 4" shallow frame-in kit, 20 ga. die-formed aluminum (6" frame-in kit, 22 ga. die-formed aluminum (6" frame-in kit), 20 ga. die-formed aluminum (6" shallow frame-in kit).

JUNCTION BOX: Galvanized steel. Equipped with (6) 3/4" and (1) 3/8" knockouts with pre-cut slots to allow straight conduit runs. (4) knockouts for non-metallic sheathed cable installation. Junction box tension spring allows snap-in installation of plate cover for easy access to wiring.

Approved for 8 (four-in, four-out) #12 AWG 90 through wire conductors.

MOUNTING: Pre-installed adjustable bar hangers engineered to accommodate lumber, laminated beams and T-bar.

CEILING: 3/4" up to 1".

CUTOUT: 4 3/4" (4" frame-in kit, 4" shallow frame-in kit), 5 1/4" (6" frame-in kit), 6 3/4" (6" frame-in kit, 6" shallow frame-in kit).

Light Engine

LED: Tightly binned, high performing white Cree® LEDs enable excellent fixture to fixture color consistency and long lifetime. Delivers 93+ CRI in all available color temperatures.

BINNING: Color variation within 2-step MacAdam ellipses.

CONNECTOR: IDEAL PowerPlug™ Luminaire Disconnect, female. Alternate module construction with D-10V, EcoSystem™ dimming and/or Emergency Battery Backup Unit uses an IDEAL PowerPlug™ Model 102 connector.

DRIVER: Integral electronic driver for 120/277V 50/60Hz operation. Electronic driver compatible with forward and reverse phase-control dimming at 120V only.

SYSTEM POWER CONSUMPTION: 11.8W (500 lm module), 14.7W (1000 lm module).

DIMMING: TRIAC/ELV dimming standard for 120V only, with flicker-free dimming to less than 5% of total lumen output. Optional 0-10V or EcoSystem™ dimming available for 120/277V.

EMERGENCY LIGHTING: Optional Emergency Battery Backup Units available for emergency lighting up to 120 minutes.

RATED LED LIFE: 50,000 hours at 70% lumen maintenance, based on IESNA LM-80-2008 standard (L70, B50).

PHOTOMETRIC TESTING: Tested in accordance to IESNA LM-79-2008. LUMENS: IC rated. cULus Listed. ENERGY STAR® qualified. Title 24 compliant. ASTM E283 certified Air Tight. UL Listed for Wet Location. CEI listed.

WARRANTY: 5 year limited warranty.

Trim

CONSTRUCTION: Die-cast aluminum. Twist & Lock mounting allows easy field installation and light ceiling fit.

dmf Lighting 1118 E. 223rd St. Carson, CA 90745 T: 1.800.441.4422
www.dmf-lighting.com

dmf
DRD2
Recessed LED Downlight
General New Construction
4", 5", 6" Aperture

PRODUCT SELECTION GUIDE

FRAME-IN KIT

PRODUCT CODE	APPLICATION	ICONON-IC	APERTURE	OPTION
DRD2M-Housing	New Construction	IC	4" 4" Aperture	(Blank) TRIAC Dimming (Standard)
			4S 4" Shallow	70 0-10V Dimming 750 lm
			5 5" Aperture	100 0-10V Dimming 1000 lm
			6 6" Aperture	70 EcoSystem™ Dimming 750 lm
			6S 6" Shallow	100 EcoSystem™ Dimming 1000 lm
				77EM TRIAC Dimming w/ Emergency Battery 750 lm
				107EM TRIAC Dimming w/ Emergency Battery 1000 lm
				7EM 0-10V Dimming w/ Emergency Battery 750 lm
				10EM 0-10V Dimming w/ Emergency Battery 1000 lm
				7CEM EcoSystem™ Dimming w/ Emergency Battery 750 lm
				10CEM EcoSystem™ Dimming w/ Emergency Battery 1000 lm

LIGHT ENGINE

PRODUCT CODE	LUMENS (WATTS)	CRI	CCT	OPTION
DRD2M-Module	7 750 lm (11.8W)	9 93+ CRI	27 2700K	A Alternate Construction (Uses an IDEAL Model 102 connector for alternate dimming option compatibility. Must be selected if alternate dimming option is selected for frame-in kit)
	10 1000 lm (14.7W)		30 3000K	
			35 3500K	
			40 4000K	

TRIM

PRODUCT CODE	SHAPE	APERTURE	STYLE	FINISH
DRD2T-Trim	R Round	4 4" Aperture	S Smooth	WH White
		5 5" Aperture	B Beveled	BK Black
		6 6" Aperture	W Wall Wash	SW Silver Reflector, White Flange
			W Wall Wash	WZ Low Intensity Reflector, White Flange
			WZ Low Intensity Reflector, White Flange	CC Custom Color

dmf Lighting 1118 E. 223rd St. Carson, CA 90745 T: 1.800.441.4422
www.dmf-lighting.com

diode led
INFINILINE® 120V LED Strip Light

SPECIFICATION SHEET

ITEM # Project

Voltage/Wattage
2700K 2700K
3000K 3000K
3500K 3500K
4200K 4200K

Max. Run* 164 feet

Custom Produced See Page 2

LED Chips 21/noot

Field Cuttable No

Dimensions 0.63 x 0.31 in. (W x H)

Environment Outdoor / Wet Location / IP65

Certification UL Listed (US), ETL Listed (Canada)

Dimmable Yes (Hardwire only), down to 10% vs original lumen output (NTELV-300 or NTE-10 Dimmers)

Warranty 5-Year Standard, 2-Year Deep Cold†

SKU Builder
DI - 120V - INFBCS3 - TBD - TBD

Specifications

- LED Chip Type: 2835
- LED Chip Beam Angle: 120°
- Luminous Efficacy (lm/w): 80-90
- Mounting: Mounting Clips / Mounting Channel
- Connections: 60 in. Plug-In, 15 ft. Hardwire
- Ambient Temp: -43 ~ 122°F (-42 ~ 50°C) (Control system must be used to turn on lights when temperature drops below -5°F)
- Environment: Outdoor / Wet location / Indoor / Deep Cold
- UV Resistance: Yes but may still degrade over time
- Jacket Material: PVC, UL94 V-0 Rated

COMPLIANCE & REGULATORY APPROVALS

Safety

- UL Listed 2388 Regulatory Lighting Products. File # E470197
- UL Listed 1598 Surface Mount Luminaires. File # E503268
- ETL Certified, Canada - UL std. 1598 Surface Mount Luminaire (Hardwire only)

COOPER Lighting Solutions

INFINILINE® 120V LED Strip Light

SPECIFICATION SHEET

ADDITIONAL ACCESSORIES

Accessories listed below fully support our Tape Light product line. Further information on these products and more accessories can be found in our latest catalog or online at www.DiodeLED.com.

Visit the product page at www.DiodeLED.com for installation guides, JES files, voltage drop charts, and LM-79 reports.

MECHANICAL DIAGRAMS

INFINILINE® Mounting Clip DI-INF-MTCL-5

INFINILINE® Rotating Mounting Clip (included with Hardwire Infiline orders) Must be utilized with mounting channel) DI-INF-RTCL-2

INFINILINE® Mounting Channel DI-INF-MTCH

SKU DESCRIPTION

SKU	DESCRIPTION
DI-INF-MTCL-5	MOUNTING CLIP (5 PACK) Small clip used to secure INFINILINE® LED Strip Light. Includes 5 clips and 5 screws. (Sold Separately)
DI-INF-RTCL-2	MOUNTING CLIP (2 PACK) Small clip used to secure INFINILINE® LED Strip Light for post-installation adjustability. Includes 2 clips and 2 screws. (Must be utilized with mounting channel). (Sold Separately)
DI-INF-MTCH	MOUNTING CHANNEL Cuttable channel used to secure INFINILINE® LED Strip Light. (Sold Separately)

1 LED chips have a luminous flux range with a tolerance of +/- 5%.
2 Each maximum run requires a dedicated power feed. Do not extend beyond the recommended maximum run length.
3 Deep Cold applications are warranted for 2 years. Out of warranty condition is a greater than 25% loss of light output from initial installation.
4 Actual efficacy value is dependent on specified LED driver (power supply). An estimated efficacy value can be calculated as follows: Lumen value divided by average power consumption per foot.
5 Wire leads and accessories are not rated for in-wall installation unless otherwise noted.
6 Do not install product in an environment outside the listed ambient temperature. Exceeding the maximum ambient temperature may damage LED chips, reduce the total lumen flux, lumen output, and/or adversely impact color consistency.
7 Operating temperature is measured according to the minimum and maximum ambient temperature environment.
8 Do not install in environment where LED chips are exposed to direct sunlight as damage to the phosphor will occur.

COOPER Lighting Solutions

