

PUBLIC/PRIVATE IMPROVEMENT CONSTRUCTION PLANS

ETERNAL ROCK CHURCH

MOST OF LOT 2, PHELPS SUBDIVISION

SITUATED IN THE SOUTHWEST 1/4 OF SECTION 11, TOWNSHIP 8 SOUTH, RANGE 67 WEST OF THE 6TH P.M.

TOWN OF CASTLE ROCK, DOUGLAS COUNTY, STATE OF COLORADO

TOWN OF CASTLE ROCK PROJECT NO. CD26-0013

TOWN OF CASTLE ROCK GENERAL NOTES

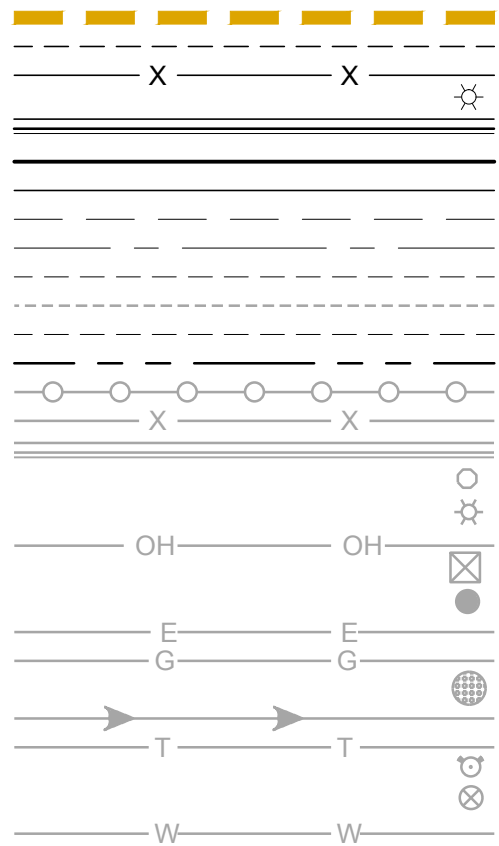
- ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF PUBLIC IMPROVEMENTS SHALL MEET OR EXCEED THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE TOWN OF CASTLE ROCK (TCR) MUNICIPAL CODE, TCR TECHNICAL MANUALS, AND APPLICABLE STATE AND FEDERAL REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE TECHNICAL MANUAL OR ANY APPLICABLE STANDARDS, THE MORE STRINGENT STANDARD SHALL APPLY. ALL WORK SHALL BE INSPECTED AND APPROVED BY THE TCR CONSTRUCTION INSPECTOR.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE.
- THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY PERTINENT LOCATIONS AND ELEVATIONS, ESPECIALLY AT CONNECTION POINTS AND AT POTENTIAL UTILITY CONFLICTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
- THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE TOWN AND ALL UTILITY COMPANIES INVOLVED WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION AND TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION AND WITH A MINIMUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE.
- CONTRACTOR SHALL PROVIDE A MINIMUM SEVENTY-TWO (72) HOURS NOTICE TO THE ON-SITE TCR CONSTRUCTION INSPECTOR, (720) 733-2200, PRIOR TO MAKING ANY CONNECTIONS/TIE-INS TO EXISTING WATER, SANITARY SEWER, AND/OR STORM SEWER SYSTEMS PROVIDED THAT THE UTILITY TIE-IN DOES NOT DISRUPT SERVICE TO EXISTING CR WATER CUSTOMERS. IF THE TIE-IN WILL DISRUPT UTILITY SERVICE, THEN CONTRACTOR SHALL PROVIDE A MINIMUM OF THREE (3) WEEKS NOTICE TO THE TCR CONSTRUCTION INSPECTOR TO ALLOW TIME FOR CR WATER TO PROVIDE WRITTEN NOTIFICATION TO EXISTING CUSTOMERS AFFECTED BY THE TIE-IN. ALL TOWN UTILITY TIE-INS MUST BE APPROVED BY CR WATER PRIOR TO COMMENCING WORK.
- THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE APPROVED PLANS, ONE (1) COPY OF THE APPROPRIATE CRITERIA AND SPECIFICATIONS, AND A COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB ONSITE AT ALL TIMES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
- IF DURING THE CONSTRUCTION PROCESS CONDITIONS ARE ENCOUNTERED WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE TCR CONSTRUCTION INSPECTOR IMMEDIATELY.
- ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD UNLESS SPECIFICALLY STATED OTHERWISE.
- THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN IN ACCORDANCE WITH MUTCD TO THE APPROPRIATE RIGHT-OF-WAY AUTHORITY (TOWN, COUNTY OR STATE) FOR APPROVAL PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN OR AFFECTING THE RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY THE CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR AS DESIGNATED TO BE PROVIDED, INSTALLED, OR CONSTRUCTED UNLESS SPECIFICALLY NOTED OTHERWISE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING AS-BUILT INFORMATION ON A SET OF RECORD DRAWINGS KEPT ON THE CONSTRUCTION SITE AND AVAILABLE TO THE TCR CONSTRUCTION INSPECTOR AT ALL TIMES.
- DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. IF PERTINENT DIMENSIONS ARE NOT SHOWN, CONTACT THE CONSULTANT ENGINEER FOR CLARIFICATION AND ANNOTATE THE DIMENSION ON THE AS-BUILT RECORD DRAWINGS.
- ALL INITIAL SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PER THE TEMPORARY EROSION & SEDIMENT CONTROL (TESC) PLAN PRIOR TO ANY EARTH-DISTURBING ACTIVITY. ALL EROSION AND SEDIMENT CONTROL PRACTICES MUST BE MAINTAINED IN EFFECTIVE OPERATING CONDITION AT ALL TIMES. REMOVAL OF CONTROL MEASURES SHALL NOT OCCUR WITHOUT THE APPROVAL OF THE STORMWATER INSPECTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE. THE CONTRACTOR SHALL ALSO COMPLY WITH ALL TERMS AND CONDITIONS OF THE COLORADO CONSTRUCTION GENERAL PERMIT FOR STORMWATER DISCHARGES.
- THE CONTRACTOR SHALL PROVIDE AN ACTION PLAN IMMEDIATELY FOLLOWING THE PRE-CONSTRUCTION MEETING DETAILING SUFFICIENT MEANS TO MITIGATE DUST ON SITE DURING OVERLOT GRADING, ROCK CRUSHING OR OTHER EARTHWORK ACTIVITIES. IF THE CONTRACTOR FAILS TO CONTROL DUST, ALL EARTH DISTURBING ACTIVITIES SHALL BE STOPPED UNTIL SUFFICIENT MEASURES ARE TAKEN TO THE TOWN'S SATISFACTION. THE CONTRACTOR SHALL ALSO COMPLY WITH ALL TERMS AND CONDITIONS OF THE COLORADO AIR QUALITY REGULATIONS FOR LAND DEVELOPMENT, AS REQUIRED.
- THE CONTRACTOR SHALL SEQUENCE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO MINIMIZE POTENTIAL UTILITY CONFLICTS. IN GENERAL, STORM SEWER AND SANITARY SEWER SHOULD BE CONSTRUCTED PRIOR TO INSTALLATION OF THE WATER LINES AND DRY UTILITIES.
- THERE SHALL BE NO SITE CONSTRUCTION ACTIVITIES ON SATURDAYS UNLESS SPECIFICALLY APPROVED BY THE TCR CONSTRUCTION INSPECTOR AND NO SITE CONSTRUCTION ACTIVITIES ON SUNDAYS OR HOLIDAYS UNLESS THERE IS PRIOR WRITTEN APPROVAL BY THE PUBLIC WORKS DIRECTOR.
- NO SOLID OBJECT (EXCLUDING FIRE HYDRANTS AND TRAFFIC CONTROL DEVICES AND TRAFFIC SIGNS) EXCEEDING THIRTY(30) INCHES IN HEIGHT ABOVE THE FLOWLINE ELEVATION OF THE ADJACENT STREET, INCLUDING BUT NOT LIMITED TO BUILDINGS, UTILITY CABINETS, WALLS, FENCES, LANDSCAPE PLANTINGS, CROPS, CUT SLOPES, AND BERMS, SHALL BE PLACED WITHIN SIGHT DISTANCE LINES AND SIGHT DISTANCE EASEMENTS.
- THIS PROPERTY IS LOCATED WITHIN ZONE X AS PER FEMA FIRM PANEL NUMBER 0301G MAP NUMBER 08035C0301G DATED MARCH 16, 2016.
- DOUGLAS COUNTY BENCHMARK: DCBM 3020015 - ELEVATION = 6255.22 (NAVD88).
- BASIS OF BEARINGS ARE BASED ON THE CONSIDERATION THAT THE NORTH LINE OF LOT 2 BEARS SOUTH 89°21'23" EAST, A DISTANCE OF 207.04 FEET,



VICINITY MAP
1"=1000'



LEGEND:



LIMITS OF CONSTRUCTION
PR EASEMENT
PR FENCE
PR LIGHT POLE
PR CURB AND GUTTER
PR MAJOR CONTOUR
PR MINOR CONTOUR
SIGHT TRIANGLE
ROAD CENTERLINE
EX MAJOR CONTOUR
EX MINOR CONTOUR
EX EASEMENT
EX RIGHT OF WAY
EX FENCE CHAIN LINK
EX FENCE
EX CURB AND GUTTER
EX SIGN
EX ELECTRIC LIGHT POLE
EX ELECTRIC OVERHEAD
EX ELECTRIC PEDESTAL
EX ELECTRIC POWER POLE
EX ELECTRIC UNDERGROUND
EX GAS PIPE
EX SANITARY SEWER MANHOLE
EX SANITARY SEWER
EX TELEPHONE LINE
EX WATER METER
EX WATER VALVE
EX WATER MAIN

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PROJECT CONTACTS:

OWNER:
ETERNAL ROCK CHURCH
2 PHELPS STREET
CASTLE ROCK, CO 80104
303.748.8390

CIVIL ENGINEER:
TERRA FORMA SOLUTIONS
CONTACT: TODD JOHNSON, PE
303.257.7653

LANDSCAPE:
IVY STREET DESIGN
LANDSCAPE ARCHITECTURE
1529 YORK STREET, SUITE 300
DENVER, CO 80206
303.320.0362

SURVEYOR:
DAVID E. ARCHER & ASSOCIATES, INC.
105 WILCOX ST.
CASTLE ROCK, CO 80104
303.688.4642

ARCHITECT:
DAJ DESIGN
922A MAIN ST.
LOUISVILLE, CO 80027
303.527.1100

IRRIGATION:
AVOCET IRRIGATION DESIGN
7114 W. JEFFERSON AVE. SUITE 201
LAKEWOOD, CO 80235
303.986.2175

TOWN OF CASTLE ROCK
DEVELOPMENT SERVICES:

100 N WILCOX ST
CASTLE ROCK, CO 80104
720.733.2200

TOWN OF CASTLE ROCK

PUBLIC WORKS:
4175 CASTLETON COURT
CASTLE ROCK, CO 80109
720.733.2462

ELECTRIC SERVICE:
CORE ELECTRIC COOPERATIVE
5496 NORTH US HWY 85
SEDALIA, CO 80135
303.688.3100

GAS SERVICE:
BLACK HILLS ENERGY
1769 PARK STREET
CASTLE ROCK, CO 80109
303.688.1114

WATER, SANITARY & STORM:

CASTLE ROCK WATER
175 KELLOGG COURT BLDG 171
CASTLE ROCK, CO 80109
720.733.6000

FIRE:
CASTLE ROCK FIRE AND RESCUE
300 PERRY ST
CASTLE ROCK, CO 80104
303.660.7500

LEGAL DESCRIPTION:

LOT 2, EXCEPT THE WEST 20 FEET OF THE SOUTH 140 FEET THEREOF AND EXCEPT THE NORTH 10 FEET THEREOF, PHELPS SUBDIVISION, COUNTY OF DOUGLAS, STATE OF COLORADO.

VARIANCES GRANTED BY THE DESIGN REVIEW BOARD

- REDUCTION IN EIGHT-FOOT SETBACK REQUIREMENT FROM RIGHT-OF-WAY (17.54.070.B) - APPROVED ON 9/24/2025
- ALLOWANCE OF PARKING ON THE SIDE OF A STRUCTURE ABUTTING A STREET (17.42.080.7.C) - APPROVED ON 9/24/2025
- REDUCTION IN THE REQUIRED NUMBER OF STREET TREES (17.42.080.6) - APPROVED ON 9/24/2025

TECHNICAL CRITERIA VARIANCE APPROVALS

- TCV24-0036 - TRANSPORTATION DESIGN CRITERIA MANUAL, SECTION 3.4.11 - CORNER CLEARANCE - APPROVED ON 5/21/2025
- TCV24-0038 - LANDSCAPING AND IRRIGATION MANUAL, SECTION 4.5.12 PERMANENT IRRIGATION REQUIREMENTS (COMBINED SERVICES LINE) - APPROVED ON 9/3/2024

FIELD CHANGE ORDER TABLE		
FCO#	DATE	PURPOSE/DESCRIPTION

INDEMNIFICATION AND ADHERENCE TO STANDARDS STATEMENTS

THESE PLANS HAVE BEEN REVIEWED BY THE TOWN OF CASTLE ROCK FOR CONCEPT ONLY. THE REVIEW DOES NOT IMPLY RESPONSIBILITY BY THE REVIEWING DEPARTMENT, THE TOWN ENGINEER, OR THE TOWN OF CASTLE ROCK FOR ACCURACY AND CORRECTNESS OF THE CALCULATIONS. FURTHERMORE, THE REVIEW DOES NOT IMPLY THAT QUANTITIES OF ITEMS ON THE PLANS ARE THE FINAL QUANTITIES REQUIRED. THE REVIEW SHALL NOT BE CONSTRUED FOR ANY REASON AS ACCEPTANCE OF FINANCIAL RESPONSIBILITY BY THE TOWN FOR ADDITIONAL QUANTITIES OF ITEMS SHOWN THAT MAY BE REQUIRED DURING THE CONSTRUCTION PHASE.

ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TOWN OF CASTLE ROCK MUNICIPAL CODE, TECHNICAL MANUALS AND/OR OTHER TOWN-APPROVED APPLICABLE STANDARDS.



1-800-922-1987
UTILITY NOTIFICATION
CENTER OF COLORADO

UNCC
CALL BEFORE
YOU DIG
811
OR



REV. NO.	DESCRIPTION	DATE

CONSTRUCTION DOCUMENTS
ETERNAL ROCK CHURCH

COVER SHEET

2 PHELPS STREET
CASTLE ROCK, COLORADO



TOWN OF CASTLE ROCK APPROVAL
PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM
DATE OF DEVELOPMENT SERVICES APPROVAL
APPROVED BY:  **APPROVED**
By jkirpatrick on 06/18/2026
APPROVED-CD26-0013 Plans.pdf
Record Document on File
DEVELOPMENT SERVICES **DATE**

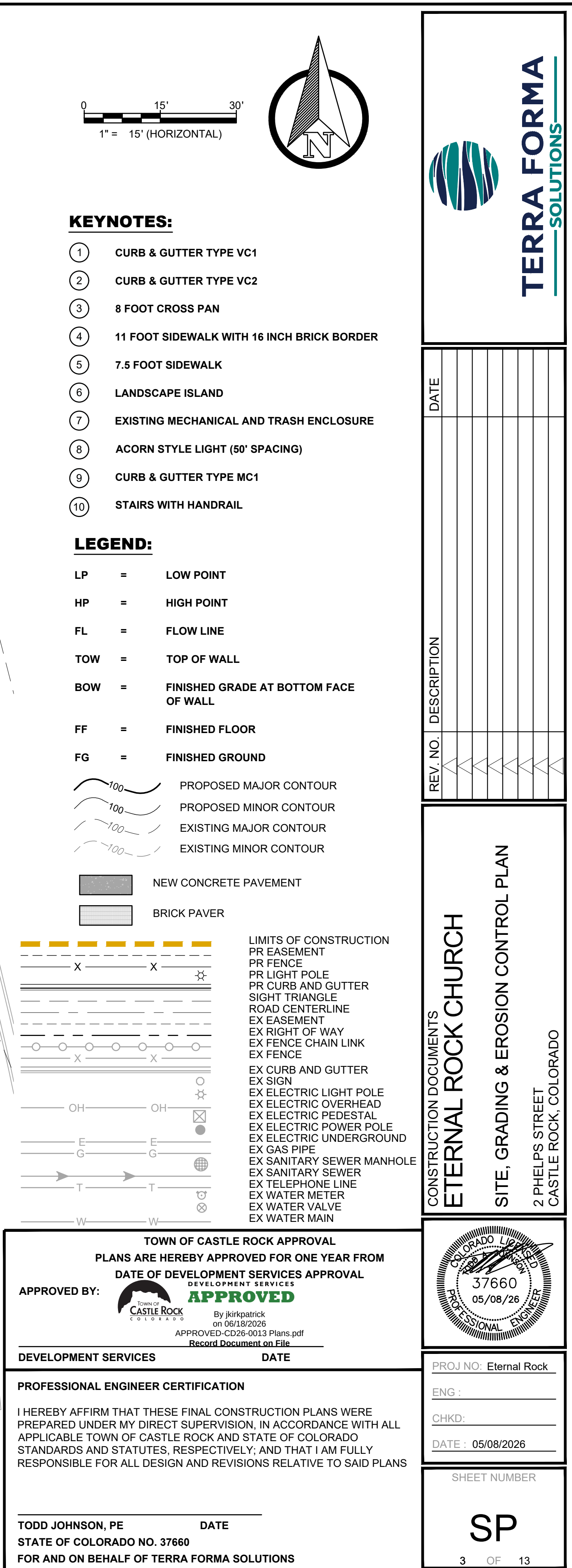
PROFESSIONAL ENGINEER CERTIFICATION

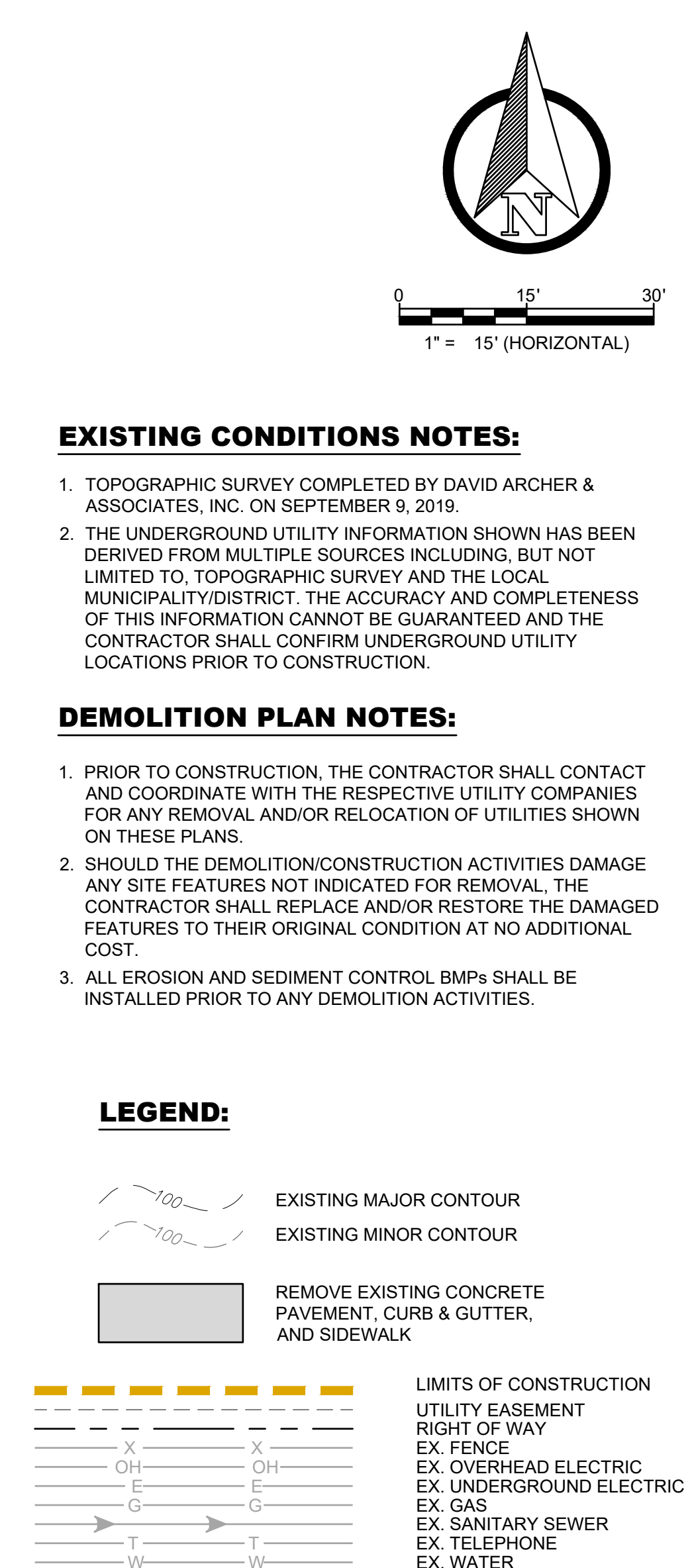
I HEREBY AFFIRM THAT THESE FINAL CONSTRUCTION PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION, IN ACCORDANCE WITH ALL APPLICABLE TOWN OF CASTLE ROCK AND STATE OF COLORADO STANDARDS AND STATUTES, RESPECTIVELY; AND THAT I AM FULLY RESPONSIBLE FOR ALL DESIGN AND REVISIONS RELATIVE TO SAID PLANS

TODD JOHNSON, PE **DATE**
STATE OF COLORADO NO. 37660
FOR AND ON BEHALF OF TERRA FORMA SOLUTIONS

PROJ NO: Eternal Rock
ENG :
CHKD:
DATE: 05/08/2026

SHEET NUMBER
CS
1 OF 13

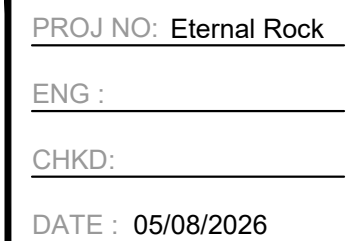




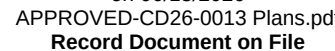
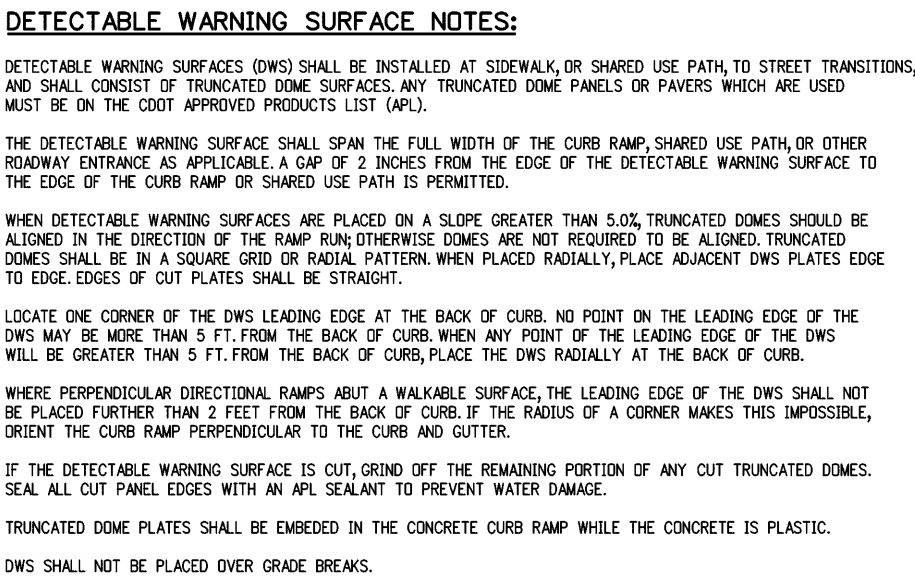
TOWN OF CASTLE ROCK APPROVAL PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM DATE OF DEVELOPMENT SERVICES APPROVAL DEVELOPMENT SERVICES	
APPROVED BY:  By <u>J Kirkpatrick</u> on <u>06/18/2026</u>	 <u>APPROVED-CD26-0013 Plans.pdf</u> <u>Record Document on File</u>
DEVELOPMENT SERVICES	DATE

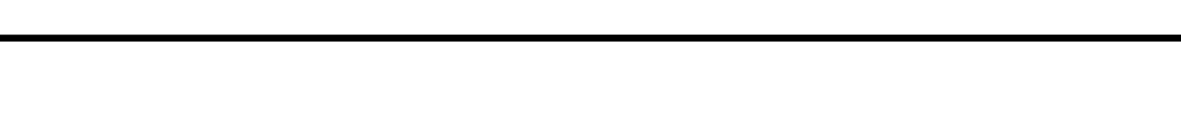
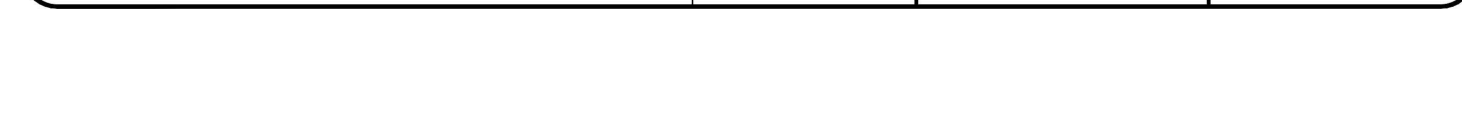
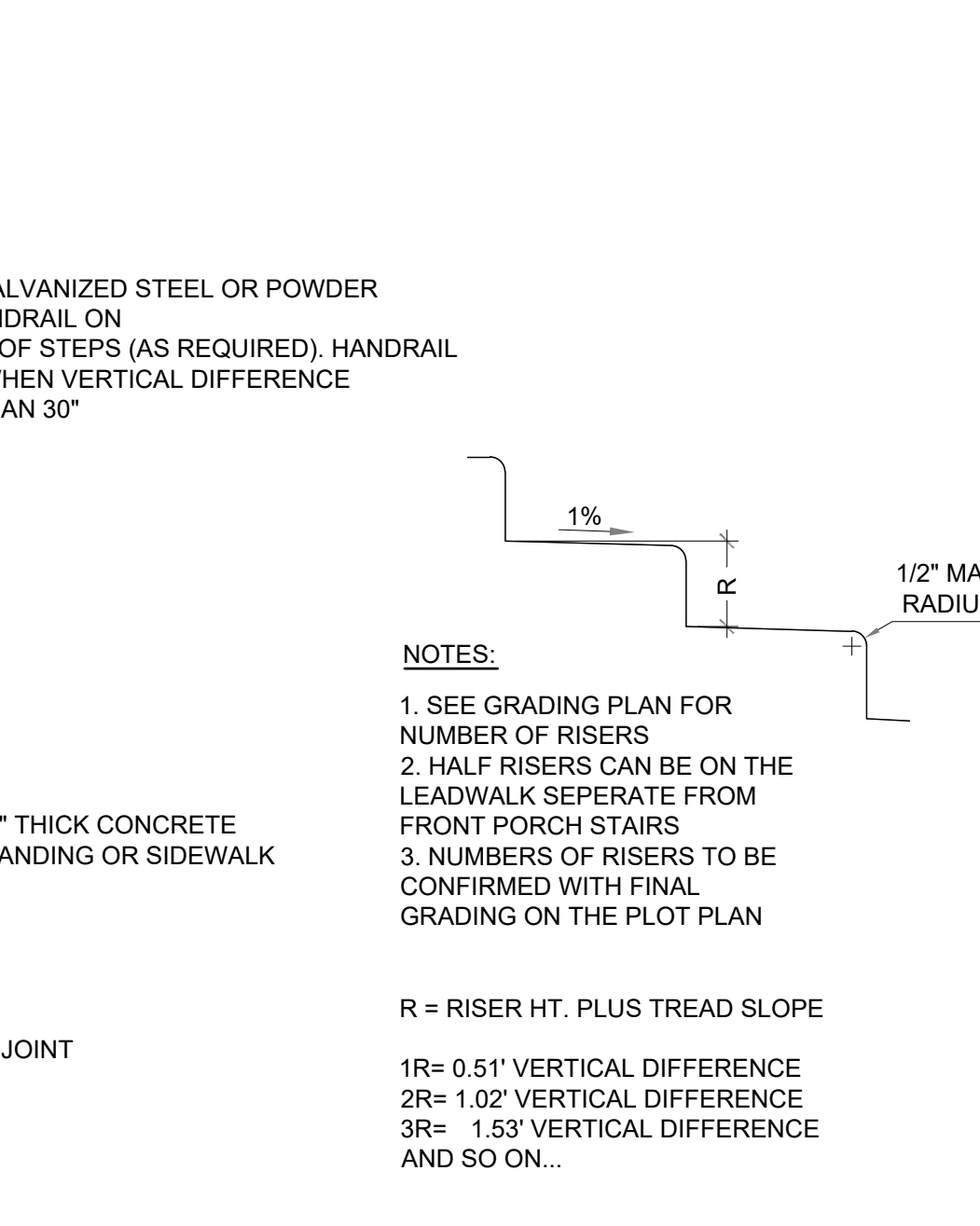
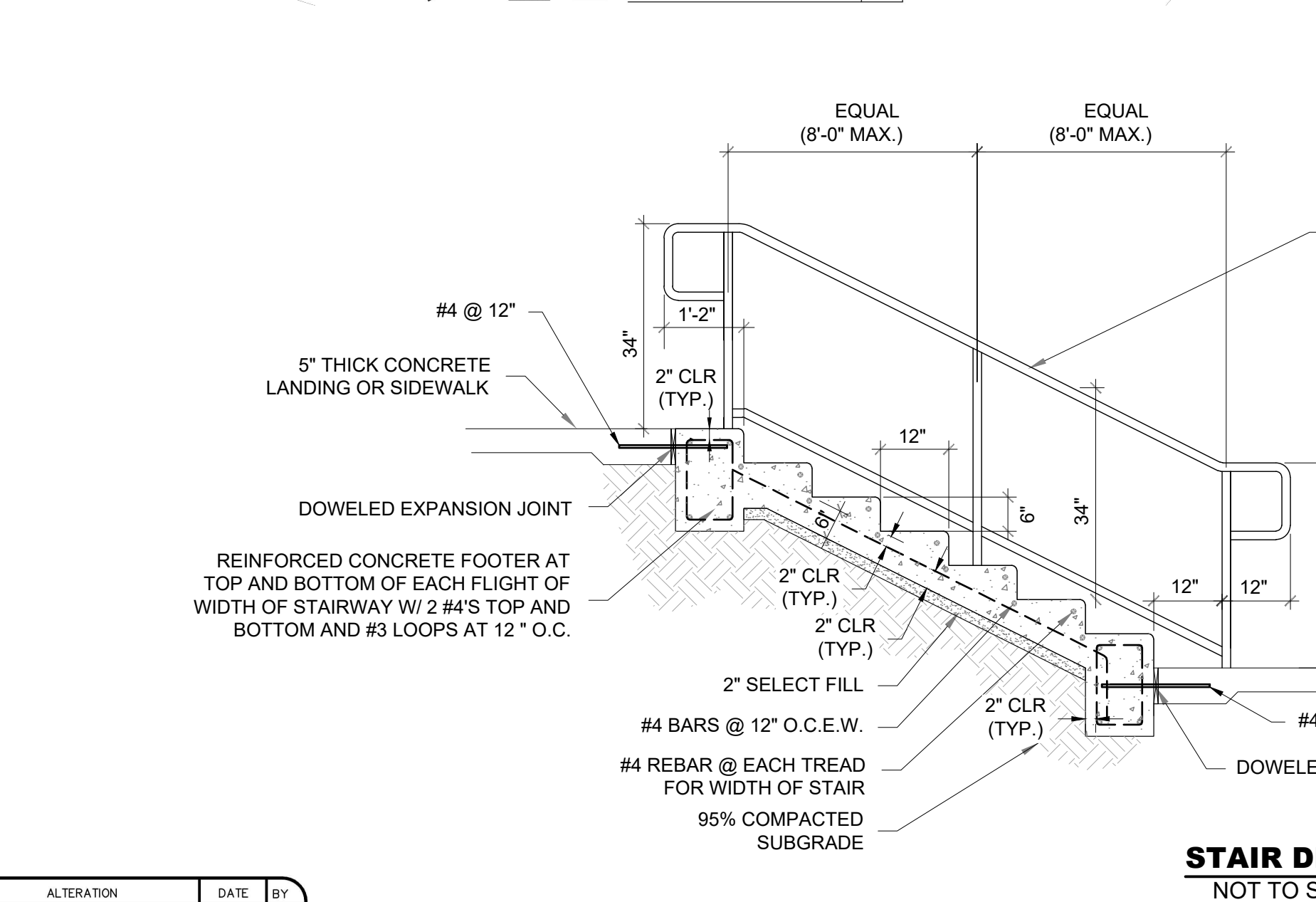
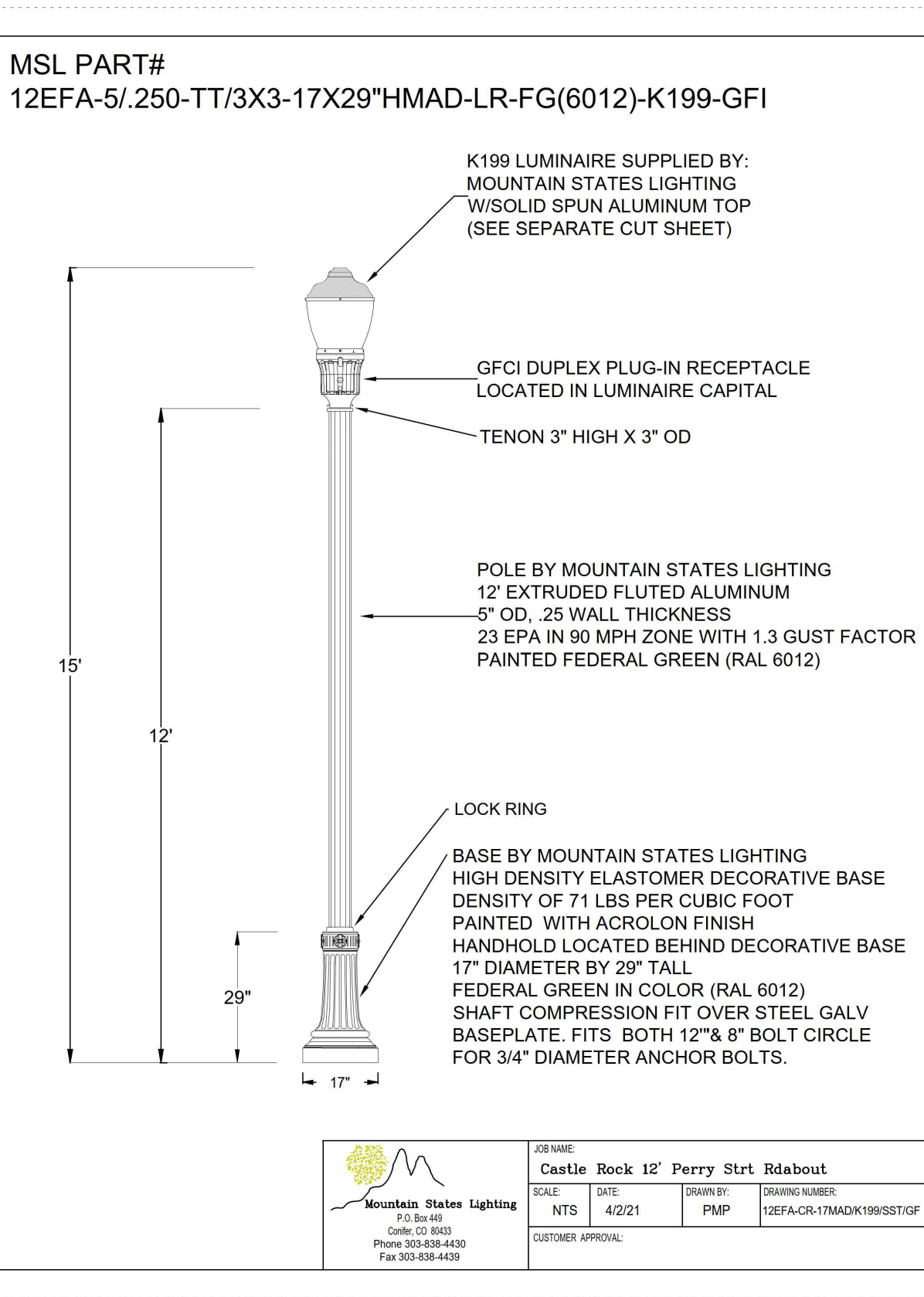


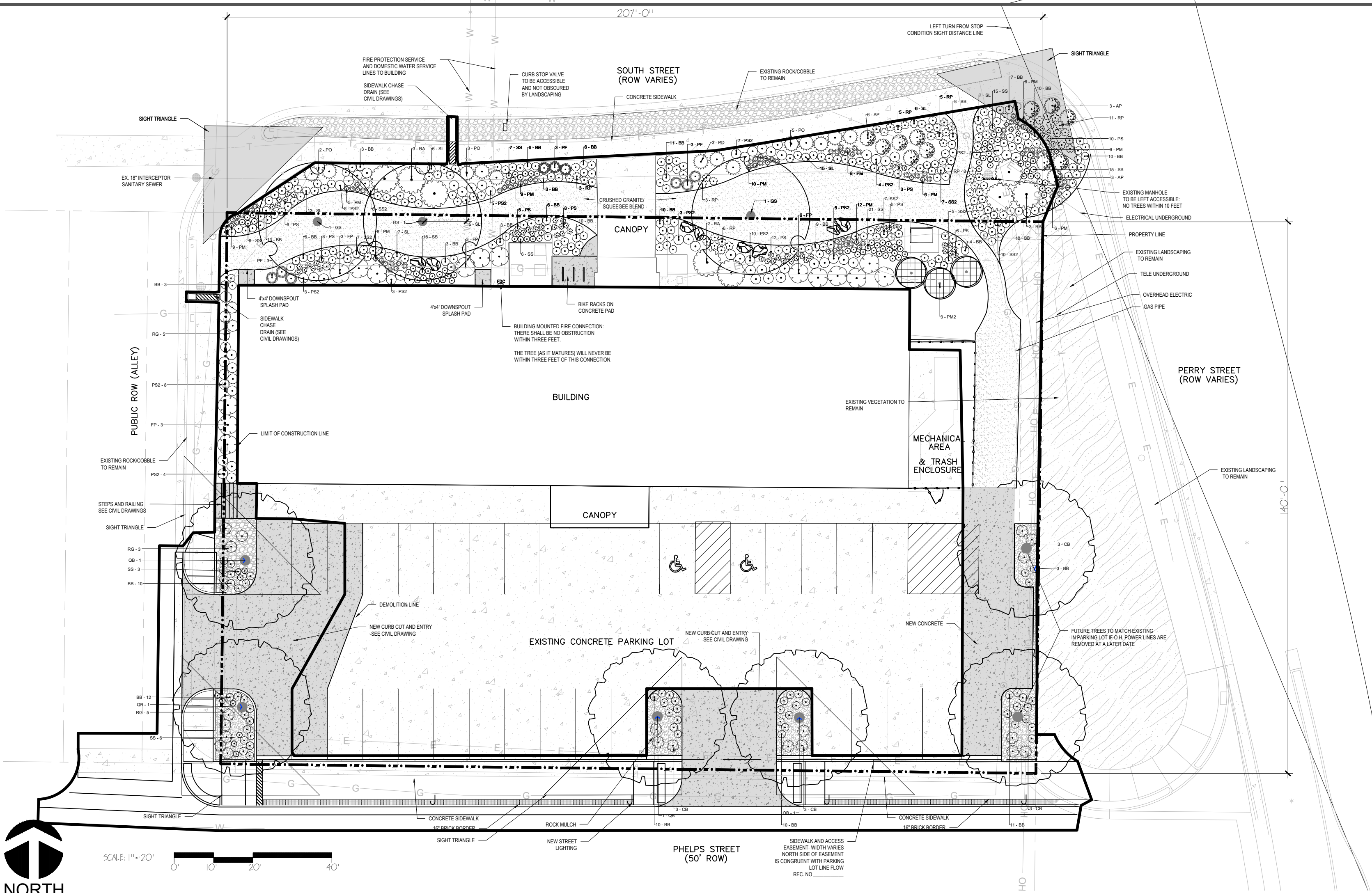
CONSTRUCTION DOCUMENTS
ETERNAL ROCK CHURCH
SITE AND DRAINAGE DETAILS
2 PHELPS STREET
CASTLE ROCK, COLORADO



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LANDSCAPE LEGEND

- EXISTING LANDSCAPE TO REMAIN
- 2"-4" MIXED 50-50% WITH 4"-8" LOCAL WHITE COBBLE
- CRUSHED GRANITE AND SQUEEGEE BLEND, 50% BY WEIGHT (DARK GRAY)
- NEW CONCRETE
- EXISTING CONCRETE
- ROCK MULCH (in all planting beds) 1" to 2" GRAY RIVER ROCK OR 1.5" LOCAL GRAY GRANITE ROCK
- GRANITE BOULDERS
- METAL EDGER
- BRICK BORDER
- LIMIT OF CONSTRUCTION
- PROPERTY LINE



Commercial Landscape Site Inventory

Town of Castle Rock Registered Professional **Ian Ferguson**
Town of Castle Rock Registration # _____ State of Colorado License Landscape Architect # **1383**
Company Name **Ivy Street Design** Address **1529 York Street Denver, CO 80206**
Phone **303-320-0362** Email **iferguson@ivystreetdesign.com** Date **04-10-2025**

PROJECT NAME **Eternal Rock Lutheran Church**

Gross Site Area	Landscape Area in Sq.Ft.	Turfgrass List Species (Area in Sq.Ft.)	Nonliving Ornamental (Area in Sq.Ft.)	No. of Trees Required	No. of Trees Provided	No. of Shrubs Required	No. of Shrubs Provided	Soil Prep Amounts (in cu.yds. per 1000 Sq.Ft.)	Separate Irrigation Service Connections
28,976 sq. ft.	5,533 WITHIN PROPERTY 10,116 WITHIN R.O.W.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes ☐ No ☒
Parking Lot (Area in Sq.Ft.)	Parking Lot Landscape Area (Sq. Ft.)	No. of Parking Spaces	Nonliving Ornamental (Area in Sq.Ft.)	No. of Interior Landscape Islands	Minimum Width of Interior Landscape Islands	No. of Trees Required	No. of Trees Provided	No. of Shrubs Required	No. of Shrubs Provided
12,402	Required: 1,240 SF Provided: 1,002 SF	31	N/A	6	9 ft.	3 Large	4 Large	10	84

Revised April 2013

STREET TREE REQUIREMENTS							
LOCATION	LENGTH	TREES REQUIRED	TREES PROVIDED	SHRUBS REQUIRED (5 PER TREE NOT PROVIDED)	SHRUBS PROVIDED	PERENNIALS/ ORN GRASSES REQUIRED	PERENNIALS/ ORN GRASSES PROVIDED
SOUTH STREET FRONTAGE	206 LF	9 LARGE OR 14 SMALL	3 LARGE & 3 SMALL	45 OR 70	65	63 OR 98	596
PHELPS STREET FRONTAGE	184 LF	8 LARGE OR 12 SMALL	6 LARGE	40 OR 60	19	56 OR 84	65

PLANT SCHEDULE						
SYMBOL	CODE	BOTANICAL / COMMON NAME	CONT	CAL	SIZE	QTY
TREES						
	GS	Gleditsia triacanthos inermis 'Skyline' / Skyline Honey Locust	B & B	2"Cal	HEIGHT- 45'.00"	3
	PM2	Pinus monophylla / Piñon Pine	B & B	2"Cal	HEIGHT: 25'.00"	3
	QB	Quercus bicolor / Swamp White Oak	B & B	2"Cal	HEIGHT- 45'.00"	6
SHRUBS						
	AP	Arctostaphylos x coloradensis 'Panchito' / Panchito Manzanita	5 gal	HEIGHT: 1'.00"		12
	CB	Caryopteris x clandonensis 'Blue Mist' / Blue Mist Bluebeard	5 gal	HEIGHT: 3'.00"		12
	PO	Physocarpus opulifolius 'Dart's Gold' / Dart's Gold Ninebark	5 gal	HEIGHT: 3'.00"		13
	RG	Ribes alpinum 'Green Mound' / Green Mound Alpine Currant	5 gal	HEIGHT: 4'.00"		13
EVERGREEN SHRUBS						
	FP	Fallugia paradoxa / Apache Plume	5 gal	HEIGHT: 6'.00"		15
	PF	Picea pungens 'Lundey's Dwarf' / Lundey's Dwarf Colorado Spruce	3 gal	HEIGHT: 2'.00"		9
	RA	Rhus trilobata 'Autumn Amber' / Autumn Amber Sumac	5 gal	HEIGHT: 1'.00"		8
ORNAMENTAL GRASSES						
	BB	Bouteloua gracilis 'Blonde Ambition' / Blonde Ambition Blue Grama	1 gal	HEIGHT: 2'.50"		205
	PS2	Panicum virgatum 'Shenandoah' / Shenandoah Switch Grass	1 gal	HEIGHT: 4'.00"		60
	SL	Schizachyrium scoparium / Little Bluestem	1 gal	HEIGHT: 3'.00"		59
	SS	Schizachyrium scoparium 'Standing Ovation' / Standing Ovation Little Bluestem	1 gal	HEIGHT: 3'.00"		95
	SS2	Schizachyrium scoparium 'The Blues' / The Blues Little Bluestem	1 gal	HEIGHT: 2'.5"		44
PERENNIALS						
	PM	Penstemon pinifolius 'Mersea Yellow' / Yellow Threadleaf Beardtongue	1 gal	HEIGHT: 1'.00"		90
	PS	Penstemon strictus / Rocky Mountain Penstemon	1 gal	HEIGHT: 1'.5"		66
	RP	Ratibida columnifera pulcherrima / Prairie Red Coneflower	1 gal	HEIGHT: 2'.00"		41

TOWN OF CASTLE ROCK LANDSCAPE NOTES

- Installing contractor shall contact Castle Rock Water at 720.733.6017 to schedule a pre-construction meeting before beginning the installation of the landscaping.
- Landscape and irrigation shall be installed by a Town of Castle Rock registered landscape contract professional.
- Soil inspection is required before plant installation and scheduling soil inspection should be discussed at the landscape preconstruction meeting.
- Trees, large shrubs and permanent objects are not permitted in water, sanitary and storm sewer utility easements.
- All landscape is to be installed per Town of Castle Rock planting details.
- Plant species and location should follow the approved plan, if site conditions or plant availability require changes to the plan, the contractor must obtain approval from the Town of Castle Rock and the owner's representative.
- Town of Castle Rock is not responsible for replacing landscape or irrigation removed in utility easements due to utility line maintenance or repair (PWR 14.3.13)
- Town permit and Town approved landscape plans are required on site during installation of the landscape and irrigation.
- Town inspectors will not approve landscape and overhead irrigation on slopes steeper than 3:1.
- Overhead irrigation is not permitted on slopes equal to 3:1 or in areas less than 10' in width.

VARIANCE NOTES:

- See TCV 24-0036 for Corner Clearance Variance
- See TCV 24-0037 for Front Setback Variance
- See TCV 24-0038 for Irrigated Area Variance
- See TCV 24-0040 for Street Tree Variance
- See TCV 24-0041 for Parking Lot Landscape Area variance.

IVY STREET DESIGN

LANDSCAPE ARCHITECTURE

1529 YORK STREET SUITE 300
DENVER, COLORADO 80202
303.320.0362
ivydesign.com



DATE

REV. NO. DESCRIPTION

CONSTRUCTION DOCUMENTS
ETERNAL ROCK CHURCH

2 PHELPS STREET
CASTLE ROCK, COLORADO



PROJ NO: Eternal Rock

ENG :

CHKD:

DATE : 6/1/2026

SHEET NUMBER

Landscape Plan

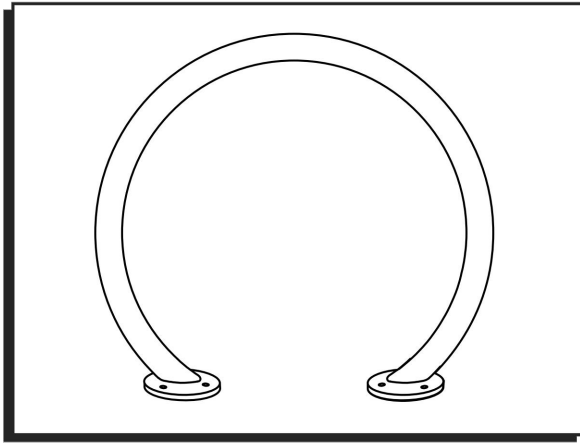
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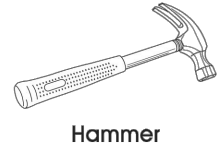
DEVELOPMENT SERVICES
APPROVED
By jkirpatrick
on 06/18/2026
APPROVED-CD26-0013 Plans.pdf
Record Document on File

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uline.com

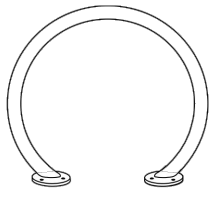
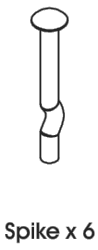
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Pour le français, consulter les pages 5-6.



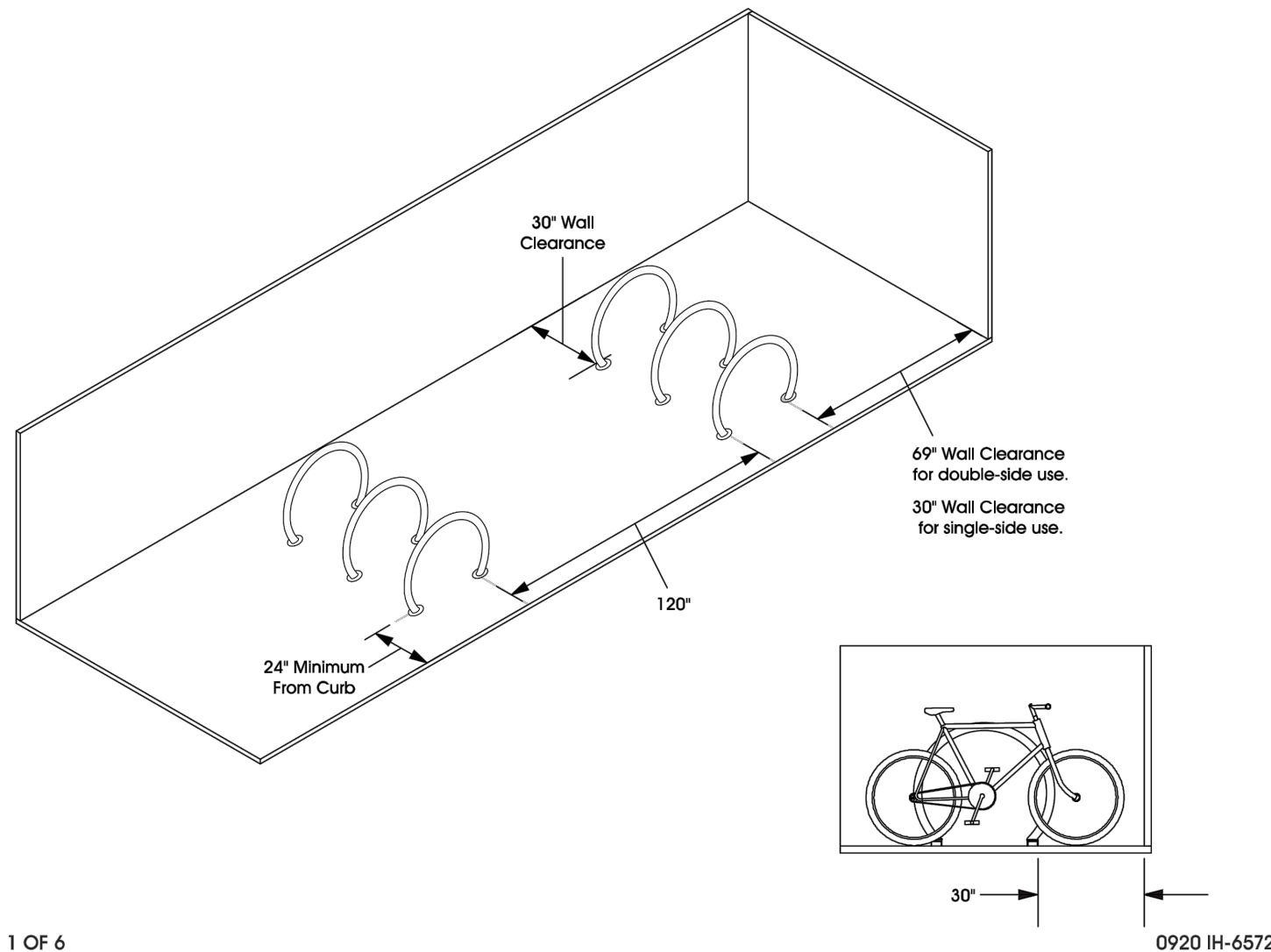
Electric Drill



PARTS



SPACE REQUIREMENTS



PAGE 1 OF 6

BIKE RACK SPECIFICATION

IRRIGATION REQUIREMENTS:

1. DRIP IRRIGATION TO ALL TREES AND SHRUBS WITH 1 (1GAL) EMITTER PER 1 GALLON GRASS OR PERENNIAL, 3 (1 GAL) EMITTERS TO EACH 5 GAL SHRUBS AND 2 (2 GAL) EMITTERS TO EACH TREE.
2. PLACE EMITTERS ON UPHILL SIDE OF PLANT IN SLOPED LOCATION.
3. IN THE CASE OF MULTIPLE EMITTERS AND FLAT SITE, PLACE EMITTERS EQUIDISTANT AROUND ROOTBALL.

CRUSHED GRANITE SPECIFICATIONS:

1. INSTALL CRUSHED PATHS AS PER PLAN.
EXCAVATE TO 4" AND COMPACT SUBSURFACE WELL. INSTALL A BLEND OF 30% SQUEEGEE AND 70% BUFF CRUSHER FINES BY WEIGHT.
INSTALL IN LIFTS AND COMPACT BETWEEN LIFTS.
2. SPRAY WITH "STALOK" STABILIZER SOLUTION OR SIMILAR AS PER INDUSTRY STANDARDS.
3. CROWN WALKWAY WITH 1% CROSS SLOPE TO DRAIN INTO BEDS.
4. RETAIN WITH METAL EDGER; NO SHARP EDGES EXPOSED

ROCK MULCH SPECIFICATIONS:

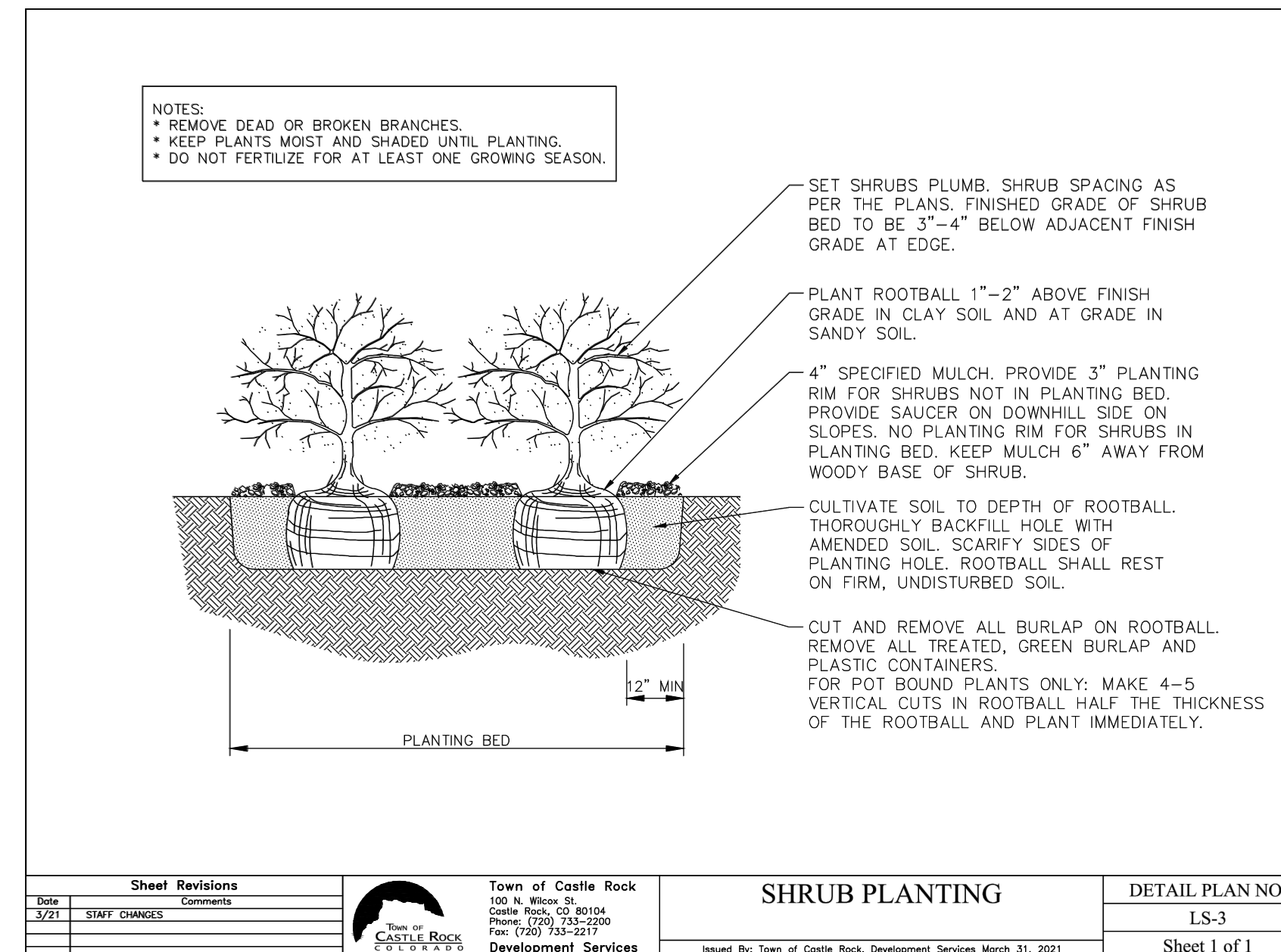
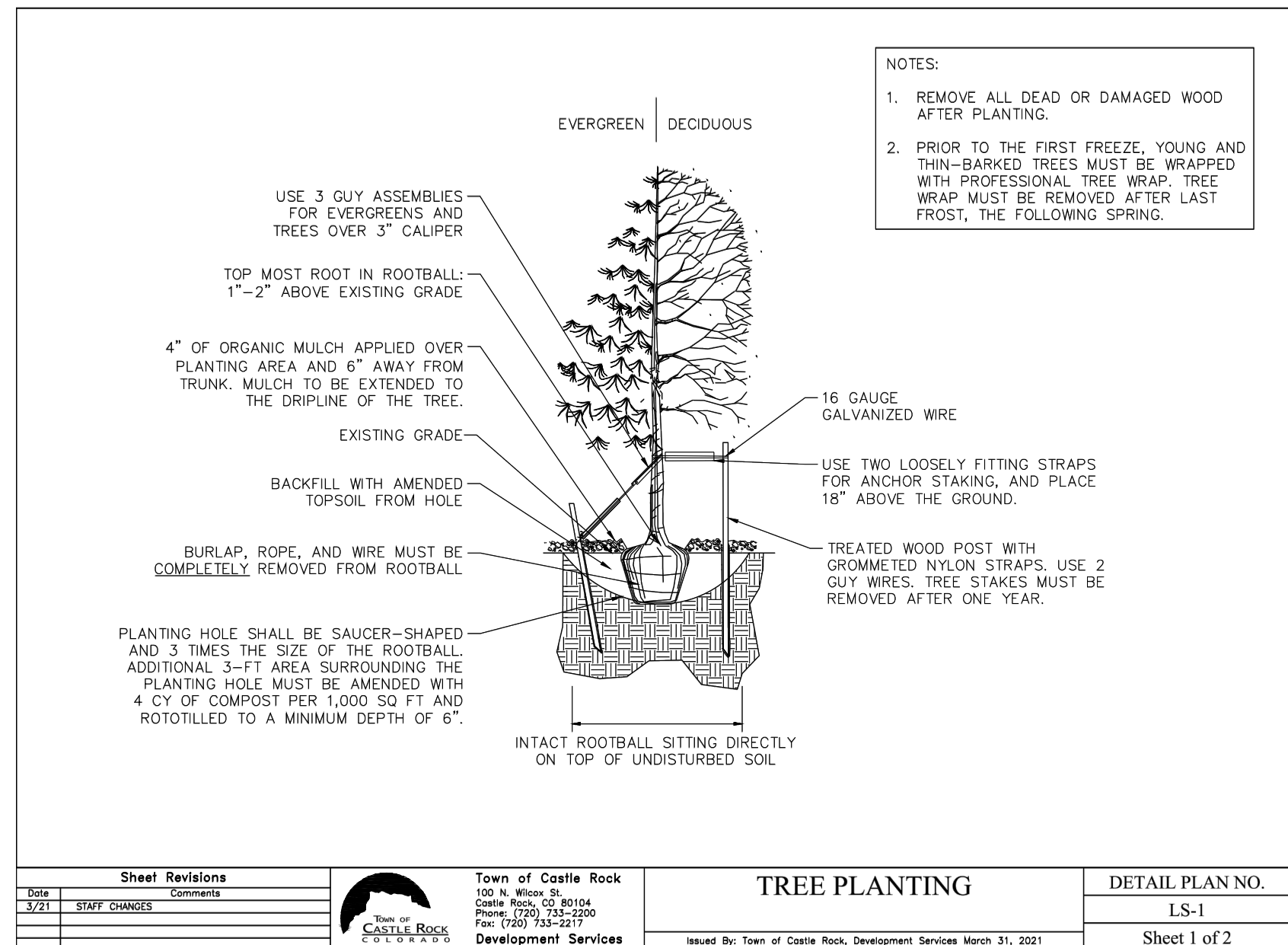
1. LOCAL $\frac{3}{4}$ " GRAY GRANITE ROCK.
2. INSTALL OVER WEED FABRIC IN LIFTS TO 4" DEEP OVER WEED FABRIC AS PER SUPPLIER SPECIFICATIONS.

CONCRETE SPECIFICATIONS:

1. PREPARE SUBGRADE AND INSTALL 4 INCH COMPACTED SUB-BASE FOR NEW CONCRETE POUR;
2. FORM AND POUR CONCRETE HARDSCAPE TO 4" THICK AS SHOWN ON PLAN, WITH MINIMUM 3000 PSI AND HORIZONTAL REBAR AS NEEDED TO MEET INDUSTRY STANDARDS.

1. Non-irrigated native seed areas shall be installed using the Town of Castle Rock Grading Erosion and Sediment Control Manual (GESC) standard detail #17.
2. No turf and/or overhead irrigation on slopes 3:1.
3. No slopes greater than 3:1 are permitted.
4. Top soil, if disturbed shall be stock piled and reused on the site.
5. No more than sixty percent of the total commercial landscape area shall include irrigated turf grass.
6. No individual plant may have supplemental water demand greater than 15" per growing season.

1. The irrigation system shall be equipped with a backflow prevention assembly approved by the Town of Castle Rock.
2. Irrigation tap, line, meter and backflow prevention assembly must be the same size from the tap to a minimum distance of 10 pipe diameters past the backflow prevention assembly and winterization tee.
3. Water waste is not allowed per the Town of Castle Rock's Water Use Management Plan. Therefore, all nozzles are to be fine tune/adjusted so that overspray onto hard surfaces is eliminated.
4. Irrigation is not permitted on 3:1 slopes.
5. Velocity shall not exceed 7.5 FPS through the watermeter.
6. No overhead irrigation in areas less than 10 feetwide.
7. There isto be neither plant material nor irrigation in areasless than 4 feet wide.



IVY STREET DESIGN
LANDSCAPE ARCHITECTURE

1528 YORK STREET SUITE 400
DENVER, CO 80206
303.320.0362
ivystreetdesign.com

[illegible]

CONSTRUCTION DOCUMENTS
ETERNAL ROCK CHURCH

2 PHELPS STREET
CASTLE ROCK, COLORADO



PROJ NO: Eternal Rock

ENG :

CHKD

DATE : 6-1-2026

SHEET NUMBER

Landscape Details

9 OF 13



DEVELOPMENT SERVICES
APPROVED
By jkirkpatrick
on 06/18/2026
APPROVED-CD26-0013 Plans.
Record Document on File



Avocet
IRRIGATION DESIGN
7114 W. JEFFERSON AVENUE, SUITE 201
LAKEWOOD, COLORADO 80235
VOICE: 303.986.2175
FAX: 303.989.5814

[illegible]

CONSTRUCTION DOCUMENTS
ETERNAL ROCK CHURCH

2 PHELPS STREET
CASTLE ROCK, COLORADO

PROJ NO: Eternal Rock

ENG :

CHKD: _____

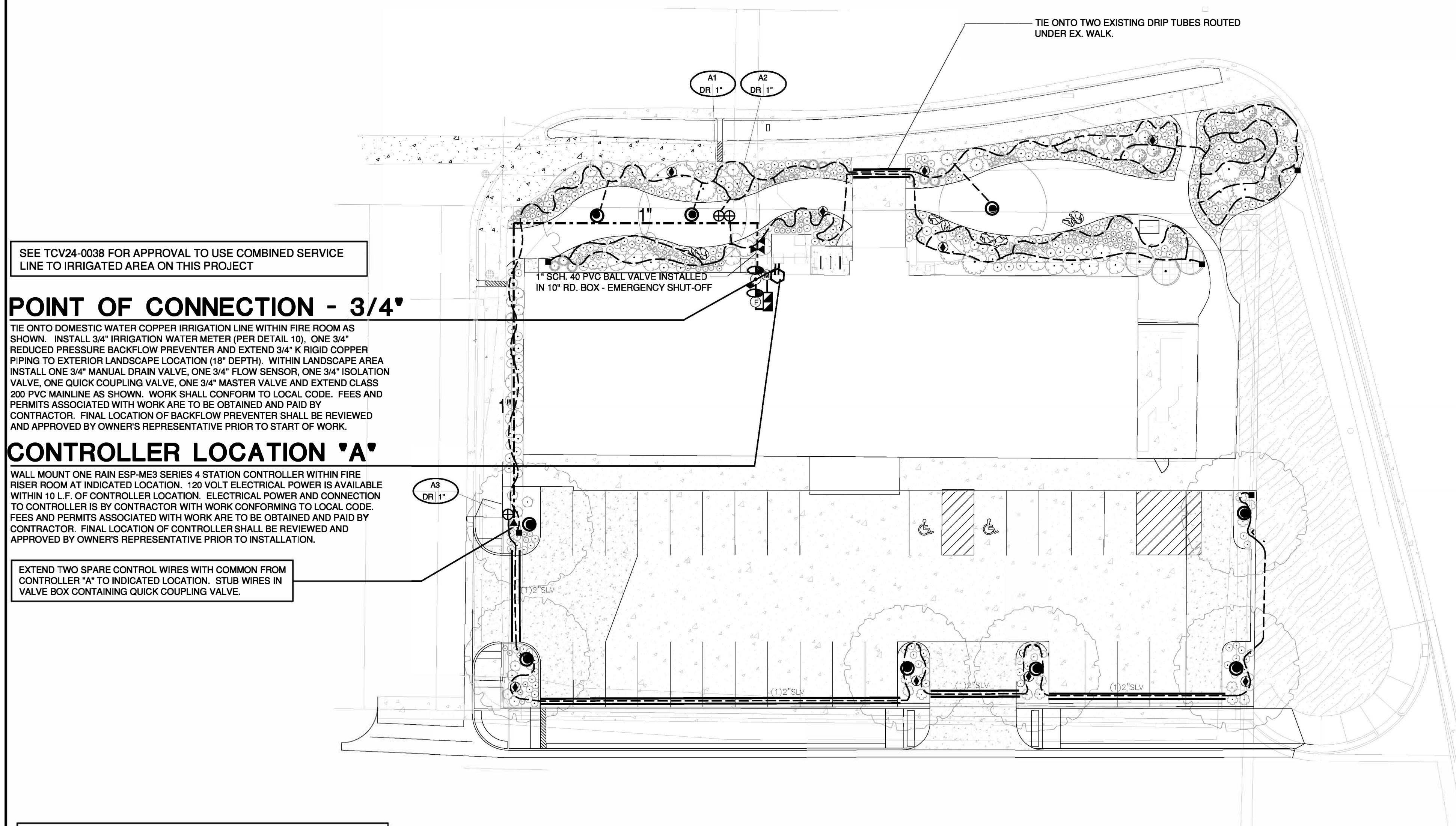
DATE : 03/31/2026

SHEET NUMBER

IR.1

IRRIGATION PLAN

10 OF 13



POINT OF CONNECTION - 3/4"

TIE ONTO DOMESTIC WATER COPPER IRRIGATION LINE WITHIN FIRE ROOM AS
 SHOWN. INSTALL 3/4" IRRIGATION WATER METER (PER DETAIL 10). ONE 3/4"
 REDUCED PRESSURE BACKFLOW PREVENTER AND EXTEND 3/4" K RIGID COPPER
 TO ENTER LANDSCAPE LOCATION (SEE DETAIL 10). WITHIN LANDSCAPE AREA
 INSTALL 1/2" MANHOLE DRAIN VALVE, ONE 3/4" MASTER VALVE, ONE ISOLATION
 VALVE, ONE QUICK COUPLING VALVE, ONE 3/4" MASTER VALVE AND EXTEND CLASS
 200 PVC MAINLINE AS SHOWN. WORK SHALL CONFORM TO LOCAL CODE. FEES AND
 PERMITS ASSOCIATED WITH WORK ARE TO BE OBTAINED AND PAID BY
 THE OWNER. FIELD LOCATION OF WORK SHALL BE REVIEWED AND REVIEWED
 AND APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO START OF WORK.

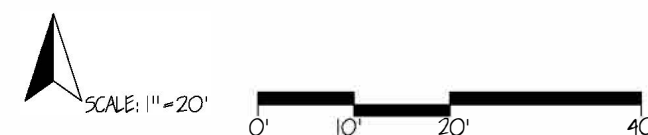
CONTROLLER LOCATION 'A'

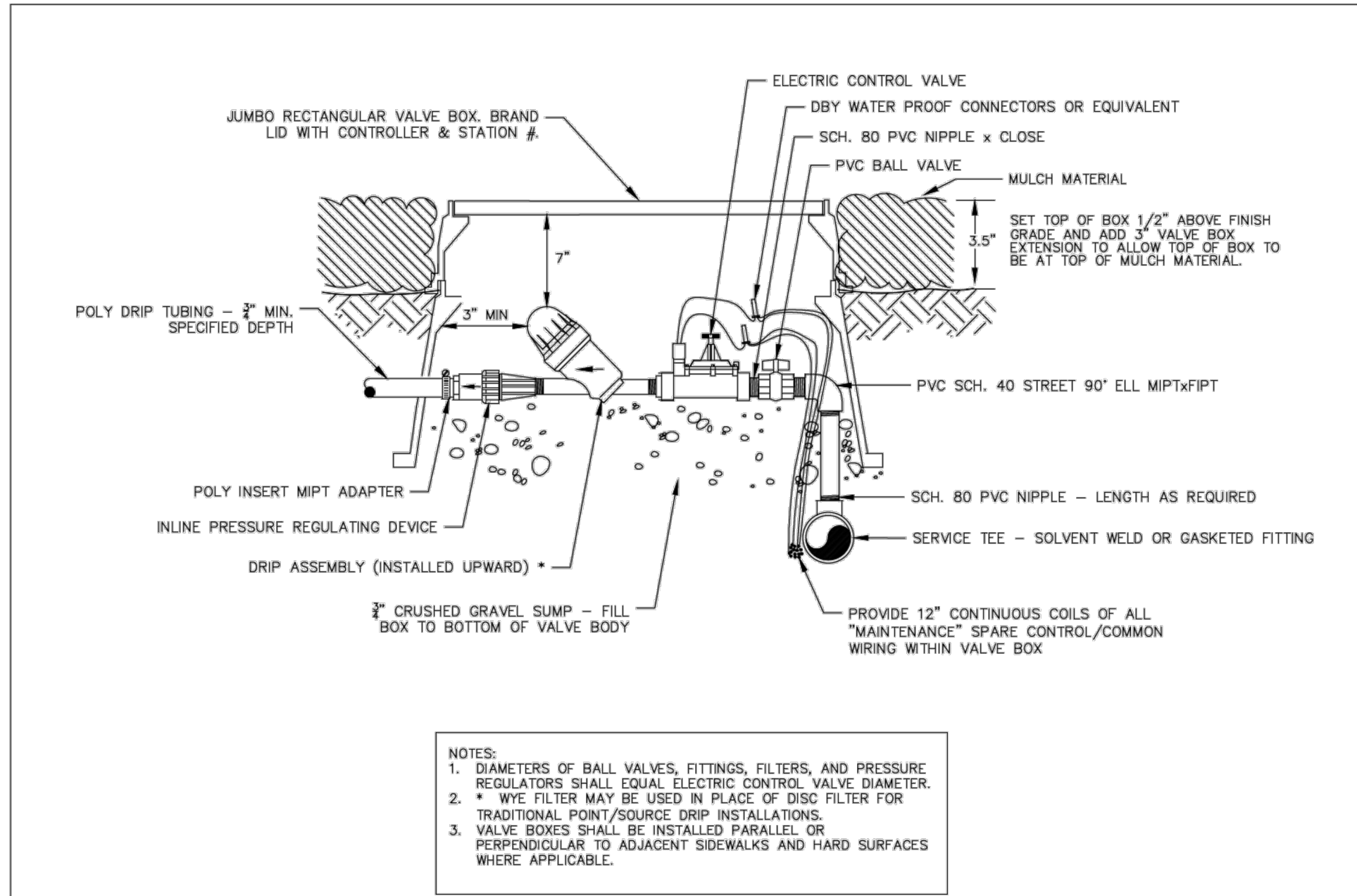
WALL MOUNT ONE RAIN ESP-ME3 SERIES 4 STATION CONTROLLER WITHIN FIRE RISER ROOM AT INDICATED LOCATION. 120 VOLT ELECTRICAL POWER IS AVAILABLE WITHIN 10 L.F. OF CONTROLLER LOCATION. ELECTRICAL POWER AND CONNECTION TO CONTROLLER IS BY CONTRACTOR WITH WORK CONFORMING TO LOCAL CODE. FEES AND PERMITS ASSOCIATED WITH WORK ARE TO BE OBTAINED AND PAID BY CONTRACTOR. FINAL LOCATION OF CONTROLLER SHALL BE REVIEWED AND APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.

EXTEND TWO SPARE CONTROL WIRES WITH COMMON FROM CONTROLLER "A" TO INDICATED LOCATION. STUB WIRES IN VALVE BOX CONTAINING QUICK COUPLING VALVE.

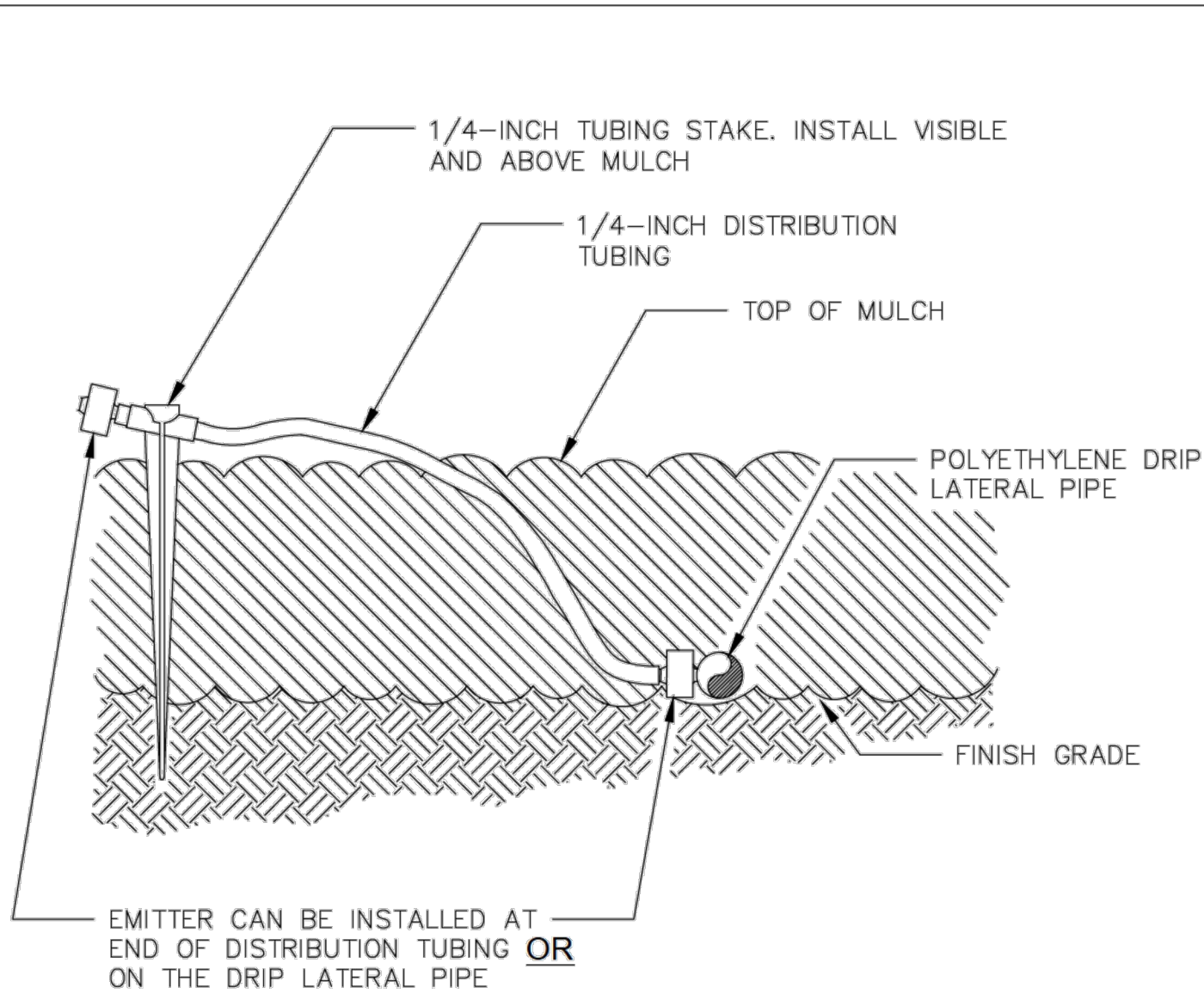
Town Irrigation Notes

1. THE IRRIGATION SYSTEM SHALL BE EQUIPPED WITH A BACKFLOW PREVENTION ASSEMBLY APPROVED BY THE TOWN OF CASTLE ROCK.
2. THE IRRIGATION TAP, LINE, METER AND BACKFLOW PREVENTION ASSEMBLY MUST BE THE SAME SIZE FROM THE TAP TO A MINIMUM DISTANCE OF 10 PIPE DIAMETERS PAST THE BACKFLOW PREVENTION ASSEMBLY AND WINTERIZATION TEE.
3. WATER WASTE IS NOT ALLOWED PER THE TOWN OF CASTLE ROCK'S WATER USE MANAGEMENT PLAN. THEREFORE, ALL NOZZLES ARE TO BE FINE TUNED/ADJUSTED SO THAT OVERSPRAY ONTO HARD SURFACES IS ELIMINATED.
4. IRRIGATION IS NOT PERMITTED ON SLOPES STEEPER THAN 3:1.
5. VELOCITY SHALL NOT EXCEED 7.5 FPS THROUGH THE WATER METER.
6. NO OVERHEAD IRRIGATION IN AREAS LESS THAN 10 FEET WIDE.
7. THERE IS TO BE NEITHER PLANT MATERIAL NOR IRRIGATION IN AREAS LESS THAN 4 FEET WIDE.
8. INSTALLING CONTRACTOR SHALL CONTACT THE TOWN OF CASTLE ROCK UTILITIES DEPARTMENT AT 720-733-6017 TO SCHEDULE A PRE-CONSTRUCTION MEETING BEFORE BEGINNING THE INSTALLATION OF THE IRRIGATION SYSTEM.
9. IRRIGATION SHALL BE INSTALLED BY A TOWN OF CASTLE ROCK REGISTERED LANDSCAPE CONTRACT PROFESSIONAL.
10. THE BACKFLOW PREVENTION ASSEMBLY SHALL BE TESTED BY A CERTIFIED BACKFLOW TECHNICIAN APPROVED BY THE UTILITY DEPT. WITHIN 10 DAYS OF THE IRRIGATION METER INSTALLATION AND ANNUALLY THEREAFTER.
11. IRRIGATION EXEMPTION MUST BE OBTAINED FROM CASTLE ROCK WATER DEPT. IF IRRIGATING NATIVE SEED OR SOD ON A DAILY BASIS FOR ESTABLISHMENT DURING THE MONTHS OF JUNE AND AUGUST. IRRIGATION 3EXEMPTIONS WILL EXEMPTIONS WILL NOT BE ISSUED FOR THE MONTH OF JULY.
12. IRRIGATION SYSTEMS MUST BE DESIGNED TO OPERATE WITHIN THE TOWN OF CASTLE ROCK WATER USE MANAGEMENT PLAN. CURRENT COMMERCIAL HOURS OF OPERATION MUST FOLLOW THREE DAY FIXED SCHEDULE FROM 10:00 P.M. TO 6:00 A.M.
13. ALL IRRIGATION INSTALLATIONS MUST MEET TOWN OF CASTLE ROCK DETAILS.
14. IRRIGATION SYSTEMS ARE TO BE WINTERIZED ANNUALLY IN THE FALL.





Sheet Revisions			Town of Castle Rock 100 N. Wilson St. Castle Rock, CO 80104 Phone: (720) 733-2200 Fax: (720) 733-2217 Development Services	DRIP / SUB-SURFACE VALVE ASSEMBLY IN MULCH BEDS	DETAIL PLAN NO. IR-19
Date	Comments				
3/21	STAFF CHANGES				
4/23	REVIEWED BY STAFF				
1/24	REVIEWED BY STAFF			Issued By: Town of Castle Rock, Development Services February 1, 2024	Sheet 1 of 1



Sheet Revisions			Town of Castle Rock 100 N. Wilson St. Castle Rock, CO 80104 Phone: (720) 733-2200 Fax: (720) 733-2217 Development Services	DRIP EMITTER ON STAKE	DETAIL PLAN NO. IR-25
Date	Comments				
3/21	STAFF CHANGES				
4/23	REVIEWED BY STAFF				
1/24	REVIEWED BY STAFF			Issued By: Town of Castle Rock, Development Services February 1, 2024	Sheet 1 of 1

PLANT SIZE	EMITTER FLOW RATE	EMITTER QTY. AT MULCHED BED LOCATIONS
1 GALLON MATERIAL	0.5 GPH	ONE EACH
5 GALLON MATERIAL	0.5 GPH	TWO EACH
1 1/2" CALIPER TREE	1.0 GPH	THREE EACH
2" CALIPER TREE	1.0 GPH	FOUR EACH
2 1/2" CALIPER TREE	1.0 GPH	SIX EACH
3" CALIPER TREE	1.0 GPH	EIGHT EACH
3 1/2" CALIPER TREE	1.0 GPH	NINE EACH
4" CALIPER TREE	1.0 GPH	TEN EACH
6 FT. CONIFEROUS TREE	1.0 GPH	FOUR EACH
8 FT. CONIFEROUS TREE	1.0 GPH	SIX EACH
10 FT. CONIFEROUS TREE	1.0 GPH	EIGHT EACH
12 FT. CONIFEROUS TREE	1.0 GPH	TEN EACH

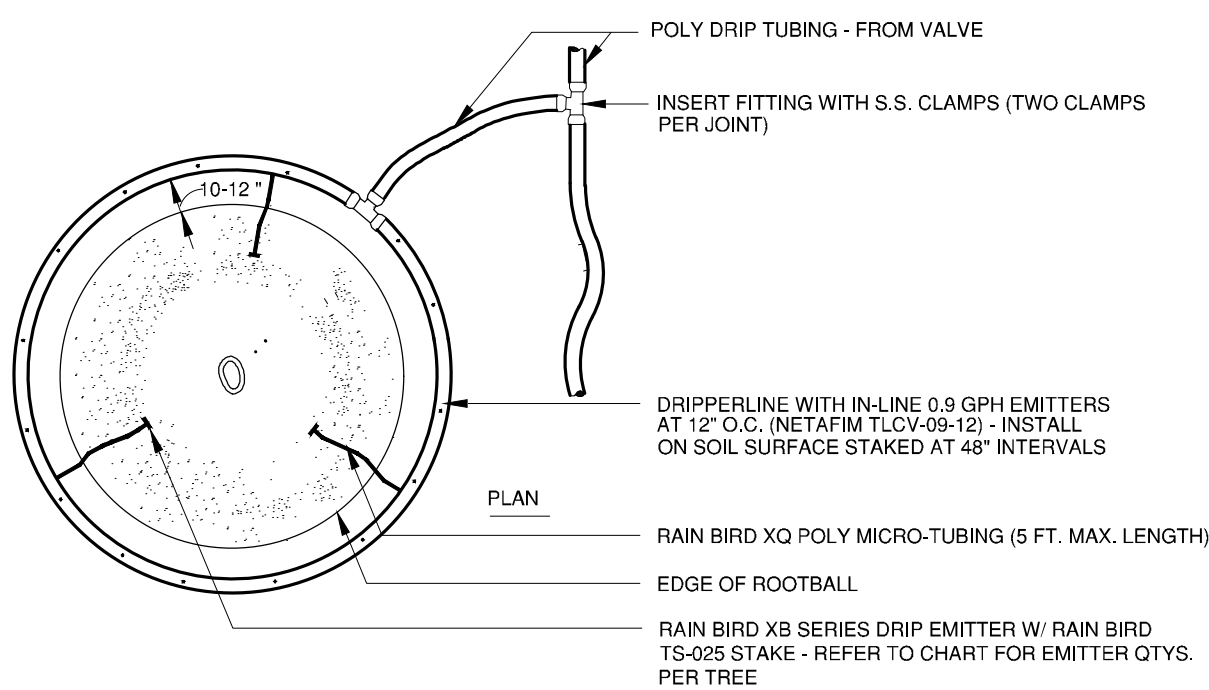
ALL EMITTERS TO BE RAIN BIRD XBCV SERIES EQUIPPED WITH INTERNAL CHECK VALVES.

DRIP VALVE ASSEMBLY

1

DRIP EMITTER

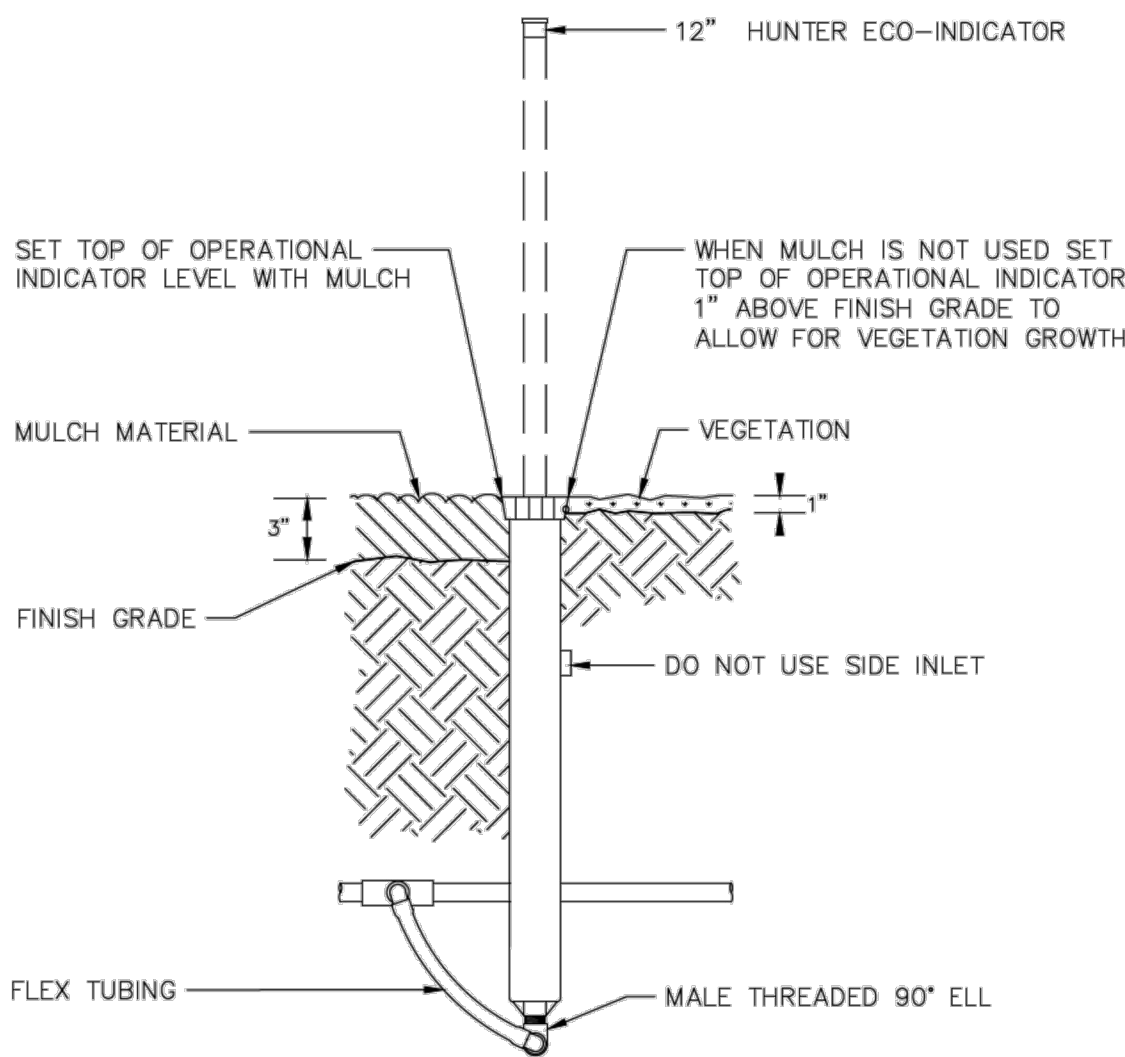
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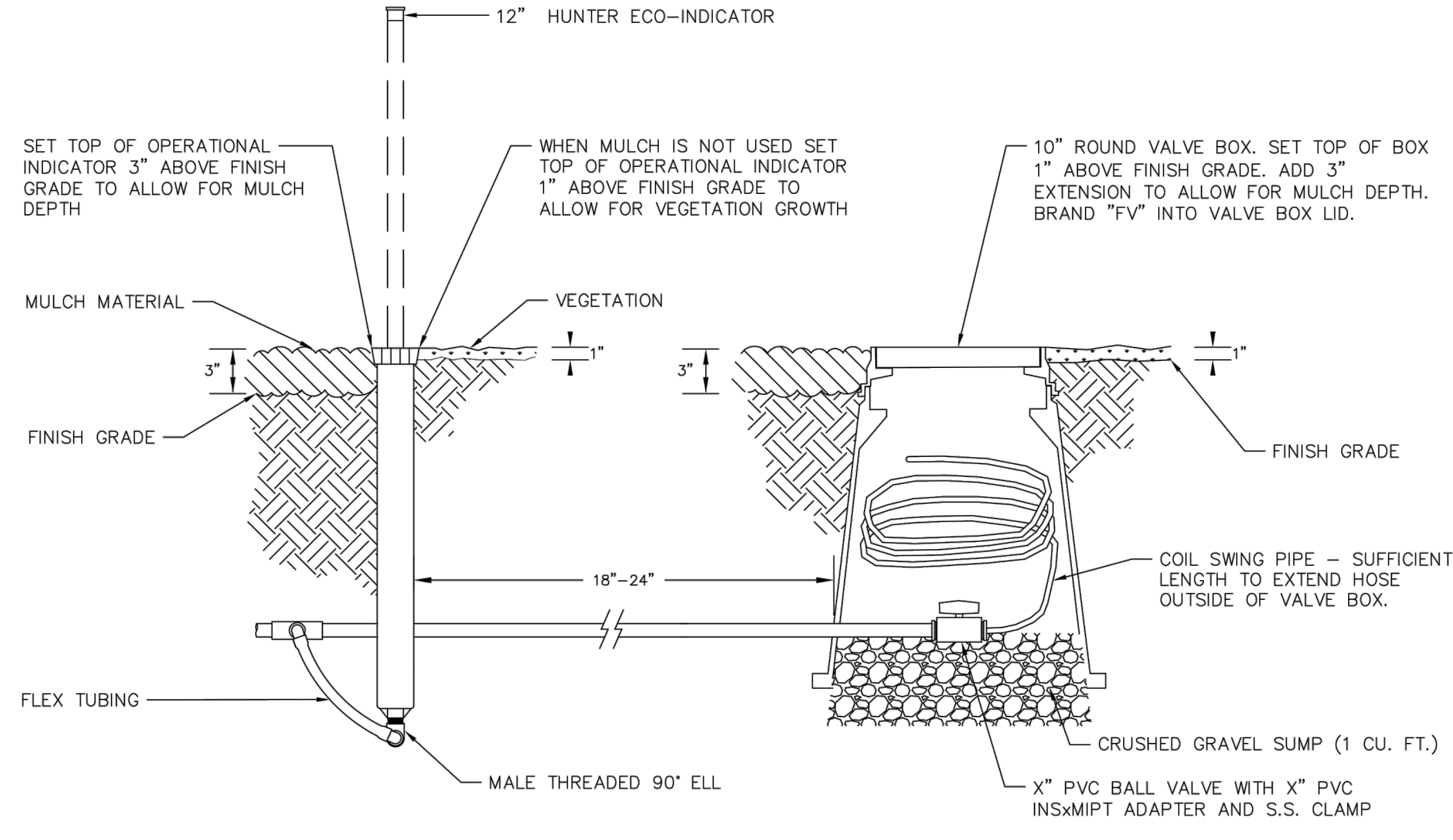
PLANT SIZE	EMITTER FLOW RATE	EMITTER QTY. AT MULCHED BED LOCATIONS
1 1/2" CALIPER TREE	1.0 GPH	THREE EACH
2" CALIPER TREE	1.0 GPH	FOUR EACH
2 1/2" CALIPER TREE	1.0 GPH	SIX EACH
6 FT. CONIFEROUS TREE	1.0 GPH	FOUR EACH
8 FT. CONIFEROUS TREE	1.0 GPH	SIX EACH

IN-LINE DRIP TREE RING

3



Sheet Revisions			Town of Castle Rock 100 N. Wilson St. Castle Rock, CO 80104 Phone: (720) 733-2200 Fax: (720) 733-2217 Development Services	NON-RESIDENTIAL OPERATIONAL INDICATOR	DETAIL PLAN NO. IR-34
Date	Comments				
3/21	STAFF CHANGES				
4/23	REVIEWED BY STAFF				
1/24	REVIEWED BY STAFF			Issued By: Town of Castle Rock, Development Services February 1, 2024	Sheet 1 of 1



Sheet Revisions			Town of Castle Rock 100 N. Wilson St. Castle Rock, CO 80104 Phone: (720) 733-2200 Fax: (720) 733-2217 Development Services	NON-RESIDENTIAL FLUSH-OUT & OPERATIONAL INDICATOR	DETAIL PLAN NO. IR-32
Date	Comments				
3/21	STAFF CHANGES				
4/23	REVIEWED BY STAFF				
1/24	REVIEWED BY STAFF			Issued By: Town of Castle Rock, Development Services February 1, 2024	Sheet 1 of 1

DRIP FLUSH-OUT AND OPERATIONAL INDICATOR

5



DATE

DESCRIPTION

REV. NO.

CONSTRUCTION DOCUMENTS
ETERNAL ROCK CHURCH

2 PHELPS STREET
CASTLE ROCK, COLORADO

PROJ NO: Eternal Rock

ENG :

CHKD:

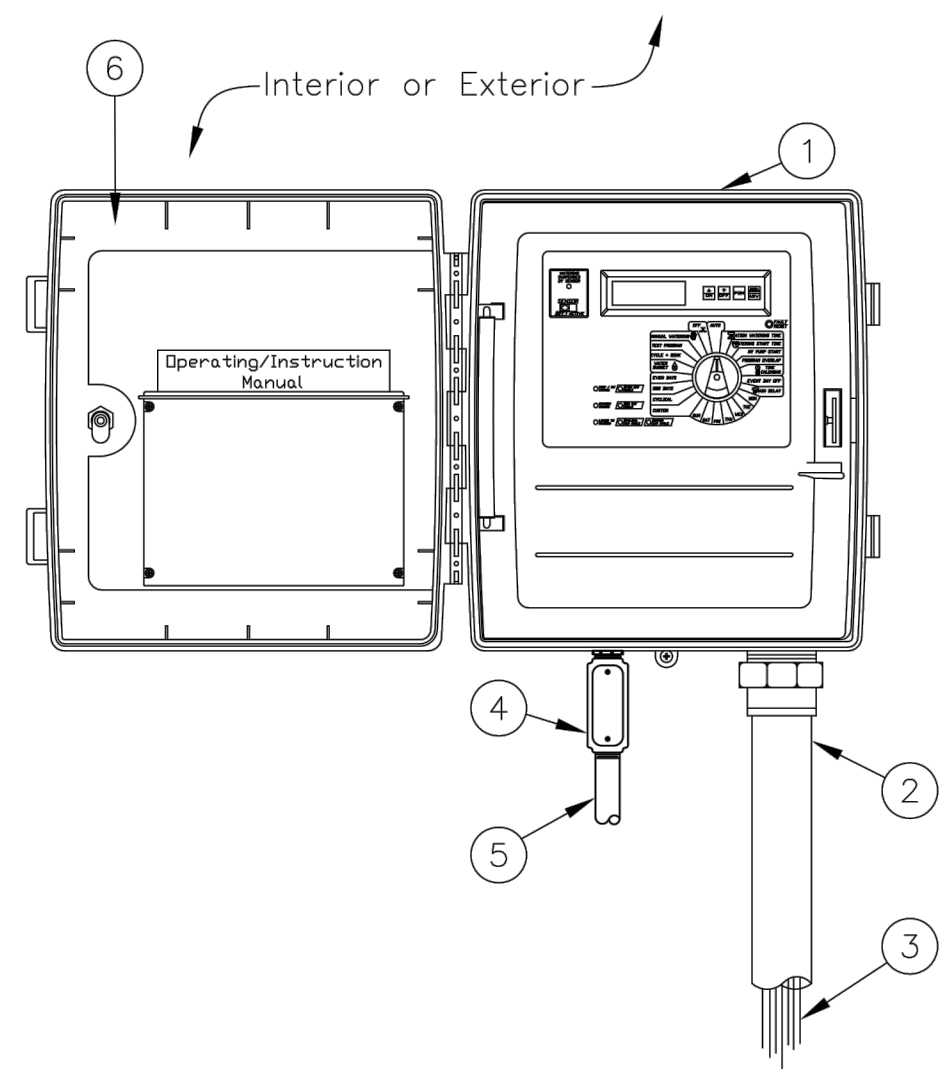
DATE : 03/31/2026

SHEET NUMBER

IR.2

IRRIGATION DETAILS

11 OF 13

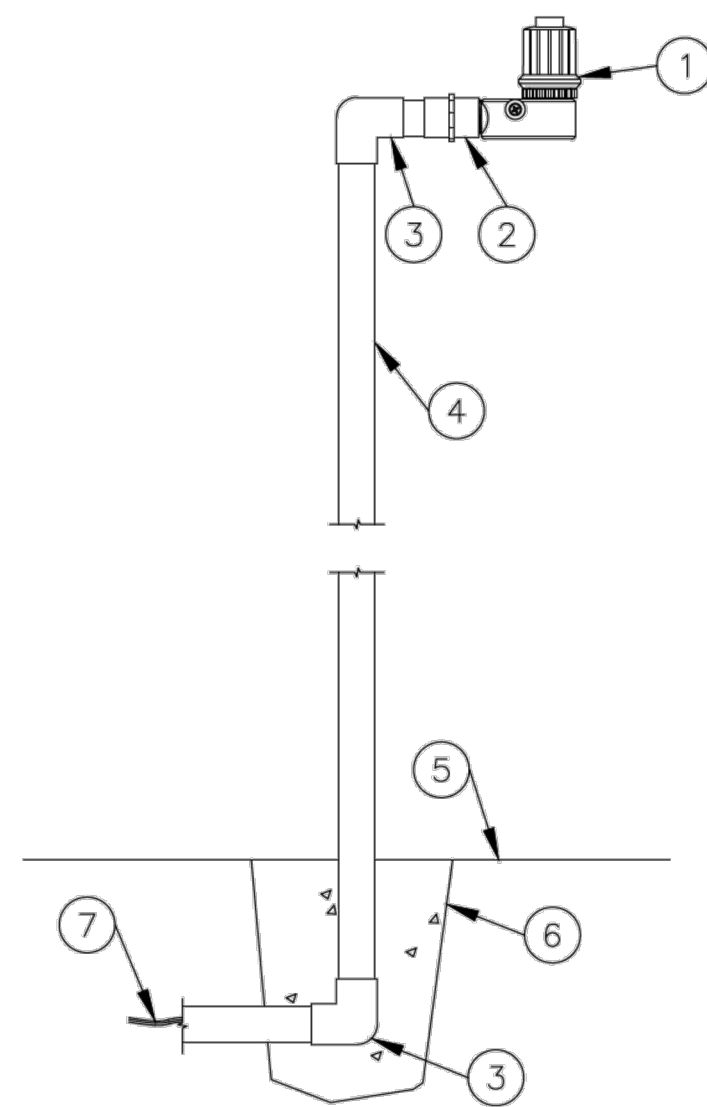


- 1 CONTROLLER: WALL MOUNT
- 2 2-INCH PVC SCH 40
CONDUIT AND FITTINGS
- 3 WIRES TO CONTROL VALVES
- 4 JUNCTION BOX
- 5 1-INCH PVC SCH 40
CONDUIT AND FITTINGS
TO DEDICATED POWER SUPPLY
- 6 INCLUDE ZONE CHART

Sheet Revisions		 Town of Castle Rock 100 N. Willow St. Castle Rock, CO 80104 Phone: (720) 733-2200 Fax: (720) 733-2217 Development Services	WEATHER-BASED CONTROLLER: WALL MOUNT Issued By: Town of Castle Rock, Development Services February 1, 2024	DETAIL PLAN NO.
Date	Comments			IR-26
3/21	STAFF CHANGES			
4/23	REVIEWED BY STAFF			
1/24	REVISED BY STAFF			
				Sheet 1 of 1

CONTROLLER

6

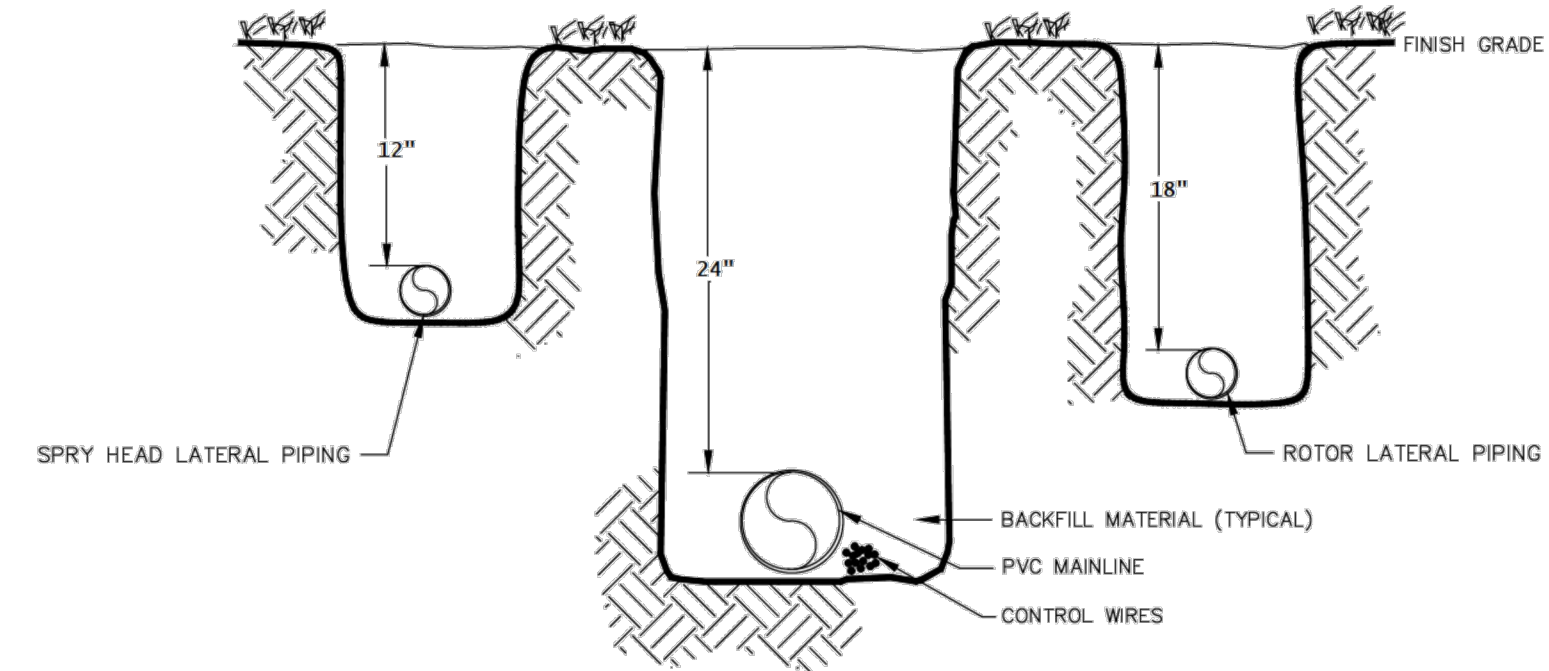


- ① RAIN SENSOR
- ② FEMALE ADAPTER (SLIP X FIPT)
- ③ GALVANIZED 90° EL (1 OF 2)
- ④ 3/4" GALVANIZED PIPE
- ⑤ FINISHED GRADE
- ⑥ CONCRETE BASE
- ⑦ ~~WIRE TO IRRIGATION CONTROLLER~~

Sheet Revisions		 Town of Castle Rock 100 N. Willow St. Castle Rock, CO 80104 Phone: (720) 733-2200 Fax: (720) 733-2217 Development Services	RAIN / WEATHER SENSOR POLE MOUNT Issued By: Town of Castle Rock, Development Services February 1, 2024	DETAIL PLAN NO.
Date	Comments			IR-29
3/21	STAFF CHANGES			
4/23	REVIEWED BY STAFF			
1/24	REVIEWED BY STAFF			Sheet 1 of 1

RAIN/FREEZE SENSOR

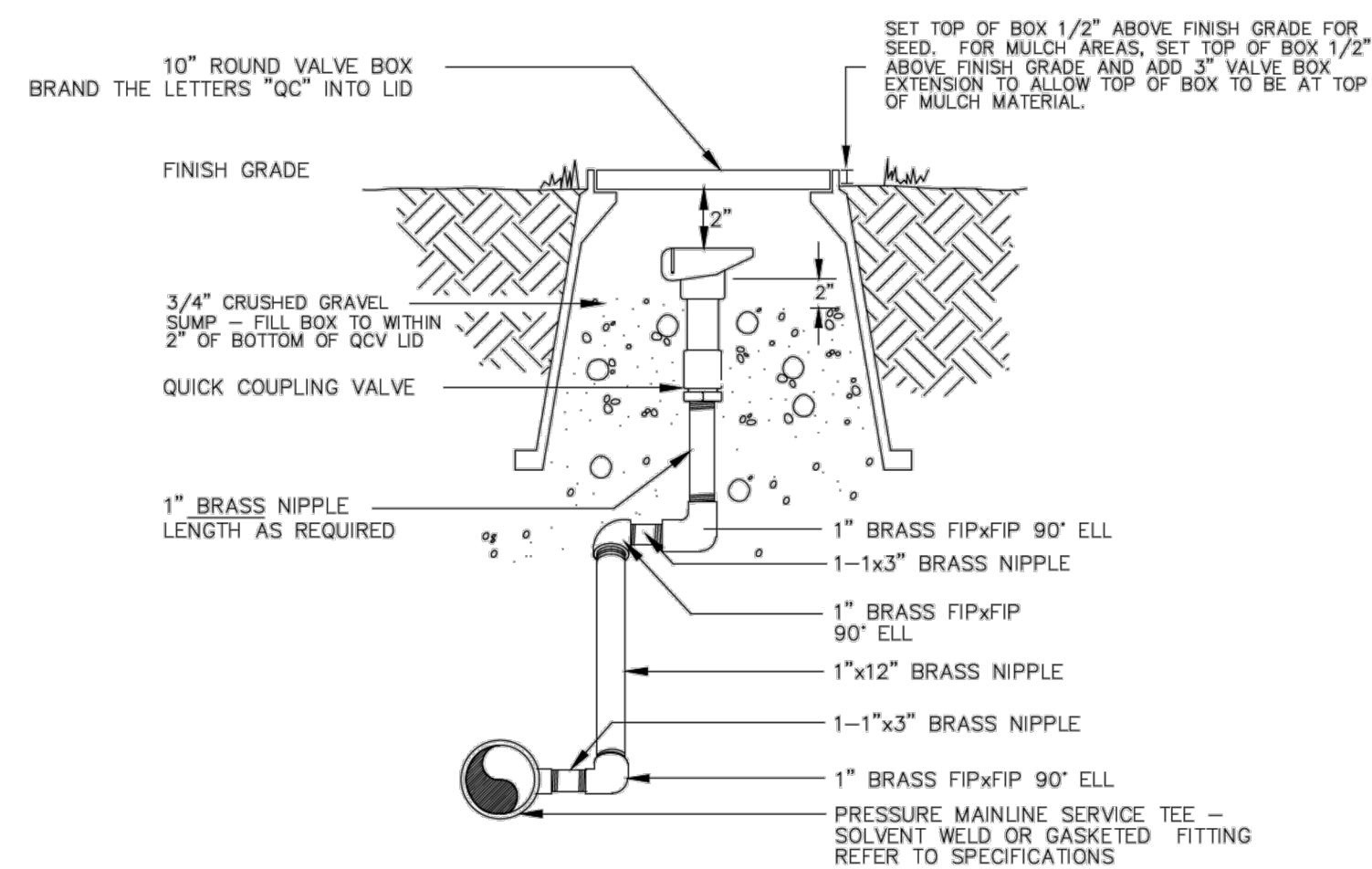
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Sheet Revisions Date Comments 4/23 REVIEWED BY STAFF 1/24 REVISED BY STAFF		 Town of Castle Rock 100 N. Wilcox St. Castle Rock, CO 80104 Phone: (720) 733-2200 Fax: (720) 733-2217 Development Services	MAIN LINE & LATERAL TRENCH Issued By: Town of Castle Rock, Development Services February 1, 2024	DETAIL PLAN NO. IR-21 Sheet 1 of 1
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TRENCHES

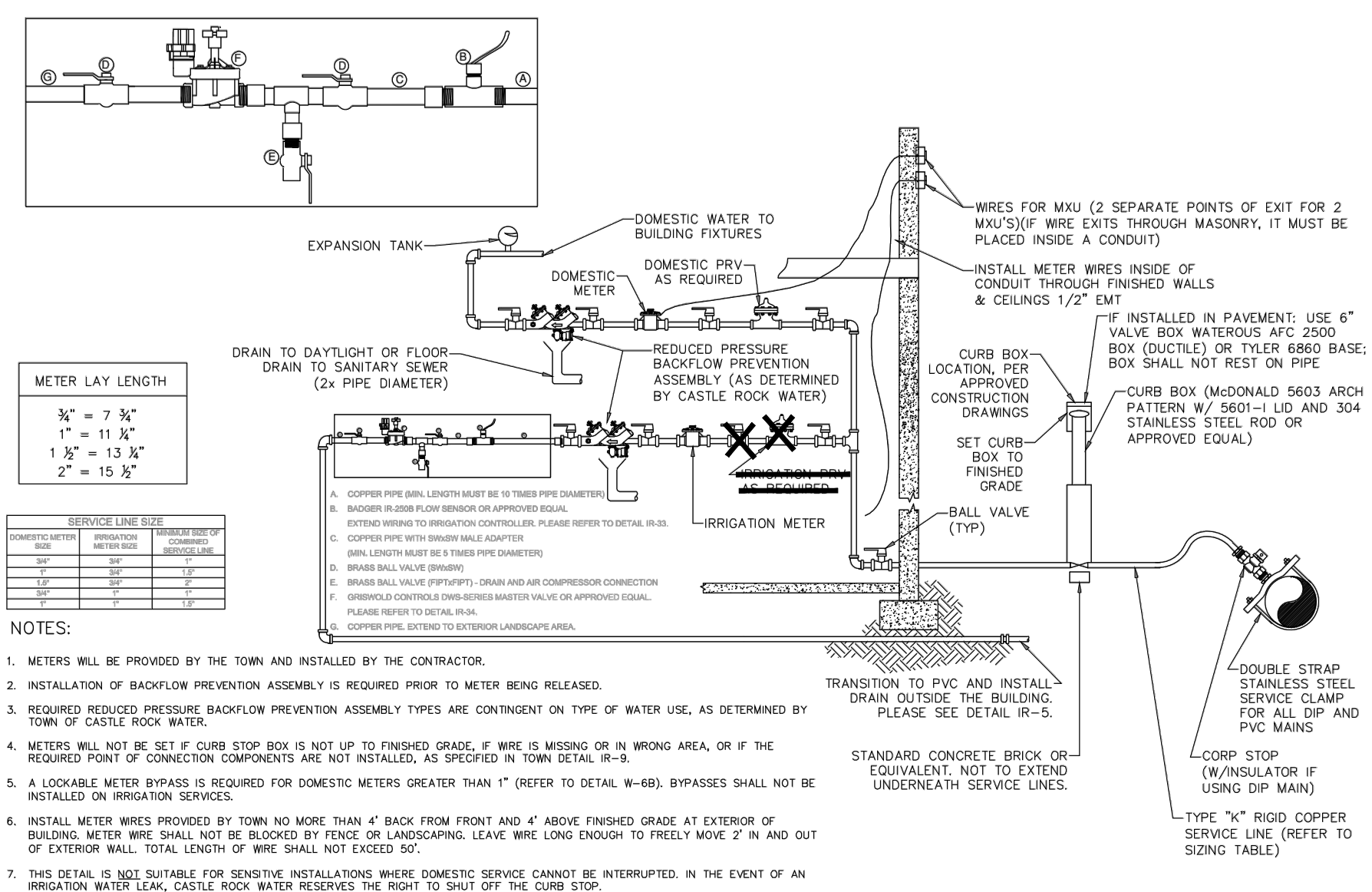
8



Sheet Revisions		 Town of Castle Rock COLORADO	Town of Castle Rock 100 N. Wilcox St. Castle Rock, CO 80104 Phone: (720) 733-2200 Fax: (720) 733-2217 Development Services	QUICK COUPLING VALVE	DETAIL PLAN NO.
Date	Comments				IR-6
9/23	REVISED BY STAFF				
1/24	REVISED BY STAFF				
			Issued By: Town of Castle Rock, Development Services February 1, 2024	Sheet 1 of 1	

QUICK COUPLING VALVE

9



Sheet Revisions Date Comments 10/22 NEW DETAIL		 Town of Castle Rock 100 N. Wilcox St. Castle Rock, CO 80104 Phone: (720) 733-2200 Fax: (720) 733-2217 Development Services	INSIDE COMMERCIAL DUAL METER; SINGLE SERVICE Issued By: Town of Castle Rock, Development Services January 1, 2023		DETAIL PLAN NO. W-43B
					Sheet 1 of 1

INSIDE COMMERCIAL
DUAL METER; SINGLE SERVICE

SEE TCV24-0038 FOR APPROVAL TO USE COMBINED SERVICE LINE
TO IRRIGATED AREA ON THIS PROJECT

POINT OF CONNECTION

10

TOWN APPROVAL BLOCK

TOWN OF CASTLE ROCK APPROVAL PLANS ARE HEREBY APPROVED
FOR ONE YEAR FROM DATE OF DEVELOPMENT SERVICES APPROVAL

APPROVED BY:


 The logo for the Town of Castle Rock, Colorado, is located in the bottom right corner. It features a stylized mountain peak above the text "TOWN OF CASTLE ROCK" and "COLORADO".

DEVELOPMENT SERVICES DATE:


DEVELOPMENT SERVICES
APPROVED
 By jkirpatrick
 on 06/18/2026
 APPROVED-CD26-0013 Plans.p
 Record Document on File

PROJ NO: Eternal Rock

ENG :

CHKD:

DATE : 03/31/2026

SHEET NUMBER

IR.3

12 OF 13

WATER BUDGET

Eternal Rock Church Seasonal Water Use and Peak Flow Projections 5/12/22					
Description	Irrigated Acres	Month	Application Rate (in./month)	Monthly water use (gallons)	Maximum Required Flow-(GPM)
Irrigated Turf Grass					
		April	0.00	0	
		May	2.07	0	
		June	3.11	0	
	0.000	July	4.00	0	0.0
		August	3.40	0	
		Sept.	2.22	0	
		Octobe	0.00	0	
annual sub-total					
			14.80 /yr	0 /yr	
				0.00 acrefeet	
Irrigated Shrub Beds					
		April	0.00	0	
		May	1.36	4,394	
		June	2.13	6,882	
	0.119	July	2.72	8,789	1.7
		August	2.37	7,658	
		Sept.	1.42	4,588	
		Octobe	0.00	0	
annual sub-total					
			10.00 /yr	32,311 /yr	
				0.10 acrefeet	
Irrigated Native Grass					
		April	0.00	0	
		May	0.50	0	
		June	0.76	0	
	0.000	July	1.00	0	0.0
		August	0.86	0	
		Sept.	0.55	0	
		Octobe	0.00	0	
annual sub-total					
			3.67 /yr	0 /yr	
				0.00 acrefeet	
Totals					
	0.12 irrigated acres			32,311 gals/yr	
				0.10 acrefeet/yr	
				2 GPM - peak flow required	

PRESSURE LOSS CALCULATIONS



Irrigation System Hydraulic Worksheet

Project Name: Eternal Rock Church

Project Location: Castle Rock Coffee

Date: May 13, 2022

Prepared by: David Zickerman

Controller "A" - zone A3

Current TOCR Registration # 15-1032

Tap Size 1.50 "

Static Water Pressure: 57 psi

Source of Pressure: Town of Castle Rock Utilities

Hydraulic Grade At Zone:

Company: Avocet Irrigation Design

	FL of Copper	Pipe Size (")	K Copper	Friction Loss (from chart)	Flow-GPM	Loss/Gain
Service Line (tap to meter):	85	LF	1.50	K Copper 0.03	/100 FT 2	0.03
Water Meter:			1.50			0.20
Service Line (meter to backflow):	20	LF	1.50	K Copper 0.03	/100 FT 2	0.01
Backflow:	Febco 860	0.75		12	2	12.00
Master Valve:	Rain Bird PEB	1		1.8	2	1.80

Pressure Required at Head: Drip emitters

30

Lateral Allowance:

3.00

Control Valve Allowance:

3.00

Mainline Allowances:

Length of Mainline	Pipe Material	Size	Gals.	GPM		
170	LF CL200BE	1 "@	2	GPM 0.07	/100 FT	0.12
	LF CL200BE	"@	2	GPM-Looped	/100 FT	0.00

Elevation:

Tap elevation	6,340	High/Low:	6,331	-3.90
---------------	-------	-----------	-------	-------

Green shading indicates required information you must provide

Total System requirements (PSI)

46.25

Available System Pressure (PSI)

57.00

Town of Castle Rock provides a minimum of 43 psi

Total irrigated area for tap # 1 is 5,215 sq. ft.

SEE TCV24-0038 FOR APPROVAL TO USE COMBINED SERVICE LINE TO IRRIGATED AREA ON THIS PROJECT

IRRIGATION SCHEDULE



IRRIGATION CHART

Registered Professional David Zickerman

Registration # 15-1032

Date 5-12-22

Company Name Avocet Irrigation Design

Address 7114 W. Jefferson Ave., Suite 201, Lakewood, CO

Phone 303-986-2175

Email avocet@wispertel.net

Clock Make: Rain Bird ESP-ME3

r Circle

r Diamond

r Square

Zone	Hydrozone	Plant Type	Head Type	Nozzle	App. Rate	GPM	Inches/Month	Run Time	Run Time	Water Usage
	Very Low <5"	(Turf, Native, Shrubs, Perennials, Trees, Annuals, etc.)	(Robots, Sprays, Bubblers, Drip, SDI, etc.)	(Nozzle/Emitter size)	(inches/hour)	(Per Zone)	(Peak not to exceed 6"/month or 1.5"/week)	(Minutes/ Month)	(Minutes Every Third Day)	(Gallons per month)
Ex 1	High	Blue Grass	RB 1806 SAM PRS	15'	1.83	15	6	197	20	2951
Ex 2	Low	Buffalo Grass	Hunter I-20	3	1.83	15	1	33	3	492
A1	Low	Shrubs/Trees	Drip	1.0 GPH	1	4	2	120	12	480
A2	Low	Shrubs/Trees	Drip	1.0 GPH	1	4	2	120	12	480
A3	Low	Shrubs/Trees	Drip	1.0 GPH	1	2	2	120	12	240
Total							Totals	360	36	1200
							Min/Month	Min/cycle		Gallons/Month

TOWN APPROVAL BLOCK

TOWN OF CASTLE ROCK APPROVAL PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM DATE OF DEVELOPMENT SERVICES APPROVAL

APPROVED BY:



DEVELOPMENT SERVICES DATE:

IRRIGATION DESIGN PREPARED BY DAVID ZICKERMAN TOCR #15-1032