

PUBLIC IMPROVEMENT CONSTRUCTION PLANS

LOT 2H, METZLER RANCH FILING NO. 3, 1ST AMENDMENT

LOCATED IN THE SOUTHWEST QUARTER OF SECTION 26, TOWNSHIP 7 SOUTH, RANGE 67 WEST OF THE 6TH PRINCIPAL MERIDIAN, TOWN OF CASTLE ROCK, COUNTY OF DOUGLAS, STATE OF COLORADO

TOWN OF CASTLE ROCK PROJECT NO: CD24-0036

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 (TOR) MUNICIPAL CODE, TOR 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 TOR 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 TOR 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 OR WATER CUSTOMERS. IF THE TIE-IN WILL DISRUPT UTILITY SERVICE, THEN CONTRACTOR SHALL PROVIDE A MINIMUM OF THREE (3) WEEKS NOTICE TO THE TOR CONSTRUCTION INSPECTOR TO ALLOW TIME FOR OR WATER TO PROVIDE WRITTEN NOTIFICATION TO EXISTING CUSTOMERS AFFECTED BY THE TIE-IN. ALL TOWN UTILITY TIE-INS MUST BE APPROVED BY OR 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 ON-SITE 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 TOR 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 TOR 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 TOR 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 NO. 08035C0186G DATED MARCH 16, 2016.

- NATIONAL GEODETIC SURVEY (NGS) MONUMENT J23 (PID: KK0199)
DESCRIPTION: 3.5" BRASS DISC DESCRIBED BY THE NGS DATASHEET AS, "DESCRIBED BY COAST AND GEODETIC SURVEY 1952: 2 MI N FROM CASTLE ROCK. 2.0 MILES NORTH ALONG THE DENVER AND RIO GRANDE WESTERN RAILROAD FROM THE STATION AT CASTLE ROCK, 0.5 MILE SOUTH OF MILEPOST 30, 59 FEET EAST OF THE CENTER OF A ROAD CROSSING, 46.7 FEET NORTHEAST OF THE NORTHEAST RAIL, 15 FEET SOUTHEAST OF THE CENTER LINE OF A PRIVATE ROAD, 2 FEET SOUTHWEST OF A FENCE, 2 FEET NORTHWEST OF A WITNESS POST, SET IN THE TOP OF A CONCRETE POST WHICH PROJECTS 0.5 FOOT ABOVE THE GROUND."
ALSO DESCRIBED BY NATIONAL GEODETIC SURVEY 1983, "RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1983: RECOVERED IN GOOD CONDITION. A NEW TO REACH FOLLOWS. 1.6 KM (1.0 MI) NORTHWESTERLY ALONG THE DENVER AND RIO GRANDE RAILROAD FROM ITS JUNCTION WITH INTERSTATE HIGHWAY 25 IN CASTLE ROCK."
ELEVATION = 6118.73' (NAVD88)
- ALL BEARINGS ARE GRID BEARINGS OF THE COLORADO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NORTH AMERICAN DATUM 1983. BEARING IS BASED ON THE NORTH RIGHT OF WAY LINE OF FOUNDER'S PARKWAY AND THE SOUTH LINE OF LOTS 2-A AND 2-H, METZLER RANCH FILING NO. 3, 1ST AMENDMENT, AND IS CONSIDERED TO BEAR N38°31'45"W, MONUMENTED ON THE SOUTH END OF THE LINE BY A FOUND NO. 4 REBAR W/ YELLOW PLASTIC CAP STAMPED, "TST 22554" AND ON THE NORTH END OF THE LINE BY A FOUND CHISELED "X" IN CONCRETE.

MURPHY GENERAL NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR RAZING AND REMOVAL OF THE EXISTING STRUCTURES, RELATED UTILITIES, PAVING, UNDERGROUND STORAGE TANKS AND ANY OTHER EXISTING IMPROVEMENTS AS NOTED.
- CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
- THE GENERAL CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR AND SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
- SAFETY NOTICE TO CONTRACTOR: IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY AND SECURITY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. ANY CONSTRUCTION OBSERVATION BY THE ENGINEER OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES, IN, ON OR NEAR THE CONSTRUCTION SITE.
- ALL CONSTRUCTION WITHIN STATE HIGHWAY DEPARTMENT RIGHT-OF-WAY SHALL BE COORDINATED WITH THE HIGHWAY DEPARTMENT RESIDENT MAINTENANCE ENGINEER.
- ALL SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED THE SPECIFICATIONS OF THE RELEVANT UTILITY COMPANY OR REGULATORY AUTHORITY, AND THE SPECIFICATIONS FOR THE CONSTRUCTION OF THE EXISTING IMPROVEMENTS WHICH ARE BEING ALTERED OR REPLACED. CONTRACTOR SHALL CONTACT THE ENGINEER FOR SPECIFICATION SECTIONS FOR ITEMS SUCH AS LANDSCAPING AND IRRIGATION THAT ARE AFFECTED BY THE WORK BUT NOT COMPLETELY DETAILED OR SPECIFIED ON THESE PLANS.
- CONSTRUCTION AND INSTALLATION OF 2,824 SF BUILDING, ALL UTILITY ENTRANCES AND (1) 25,000 GALLON & (1) 26,000 GALLON UNDERGROUND TANKS SHALL BE IN ACCORDANCE WITH ASSOCIATED PLANS.
- THE GENERAL CONTRACTOR TO COORDINATE THE CANOPY SIGN LOCATIONS AND FREE-STANDING SIGNAGE WITH MURPHY'S DEVELOPMENT PROJECT MANAGER AND SIGN COMPANY.

NOTES TO CONTRACTOR:

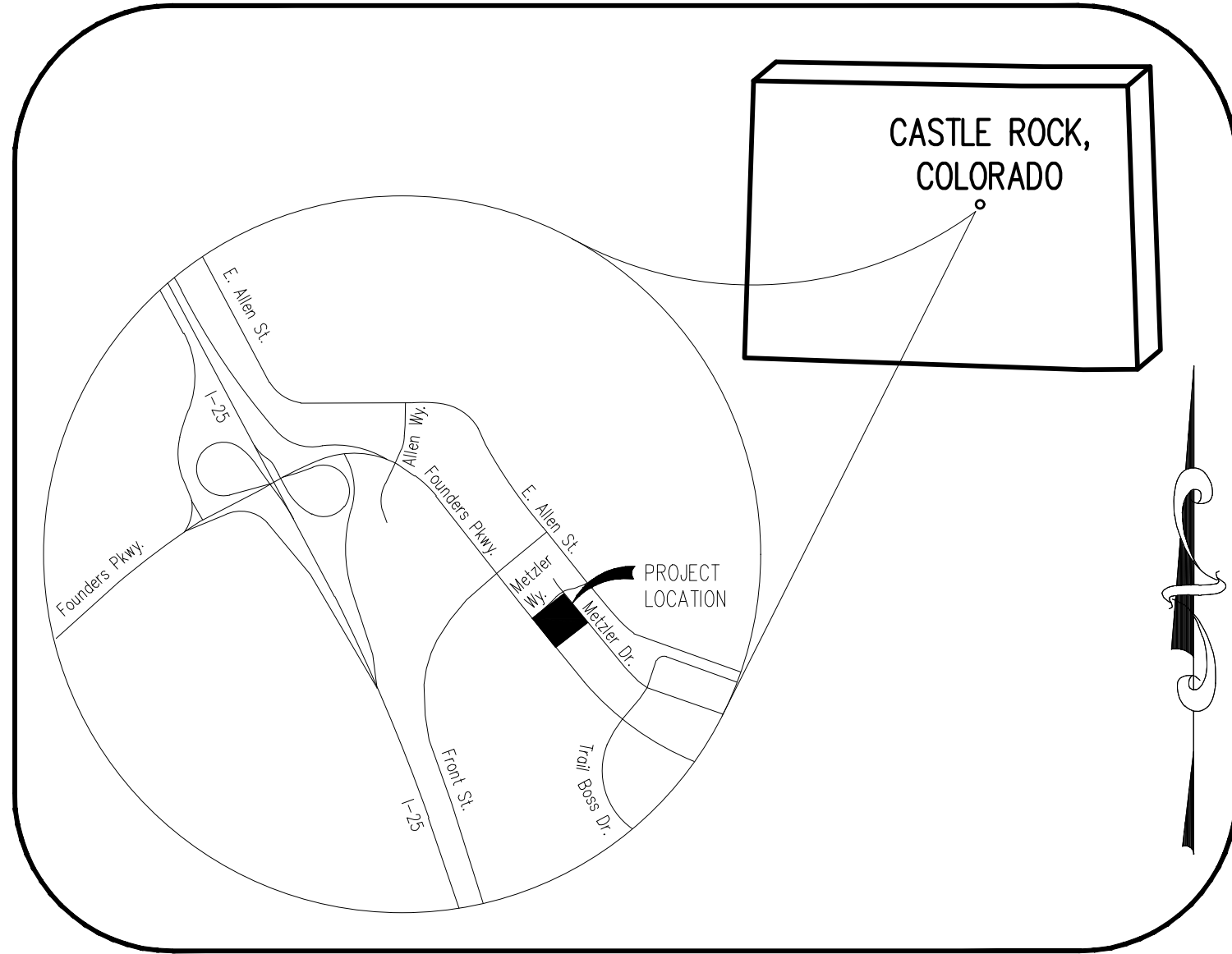
- THE CONTRACTOR SHALL PROVIDE THE ENGINEER OF RECORD WITH THE DATE WHEN CONSTRUCTION IS TO BEGIN.
- THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION STAKING AND LAYOUT.
- THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE ENGINEER OF RECORD OF ANY DEVIATIONS DURING CONSTRUCTION AND SHALL REPORT THEM IMMEDIATELY.
- CONTRACTOR IS REQUIRED TO KEEP REDLINE AS-BUILTS AND TO PROVIDE THOSE TO MURPHY UPON COMPLETION.
- CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING THE AS-BUILT AND CERTIFICATE OF OCCUPANCY (C.O.) REQUIREMENTS FOR THE ISSUING AUTHORITY.
- IF AN ELEVATION CERTIFICATE OR AS-BUILT SURVEY IS REQUIRED BY THE ISSUING AUTHORITY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE SCHEDULING OF THE SURVEY WITH THE CIVIL CONSULTANT PRIOR TO DEADLINE FOR OBTAINING THE C.O. AND AFTER NECESSARY COMPLETED WORK TO BE SHOWN ON SURVEY.

NOTICE TO BIDDERS:

ALL QUESTIONS REGARDING THE PREPARATION OF THE GENERAL CONTRACTOR'S BID SHALL BE DIRECTED THROUGH MURPHY'S CONSTRUCTION WEBSITE (HTTPS://MURPHYUSA.PROJECTMATES.COM/) INCLUDING Q&A, RFIs, BID SUBMISSION, CHANGE ORDER REQUESTS, ETC. ONCE AWARDED THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S PROJECT MANAGER. SUBCONTRACTORS MUST DIRECT THEIR QUESTIONS THROUGH THE GENERAL CONTRACTOR, THE CONSULTING ARCHITECT AND/OR THE CONSULTING ENGINEER SHALL NOT BE CONTACTED DIRECTLY WITHOUT PRIOR AUTHORIZATION FROM THE OWNER/DEVELOPER.

WETLANDS NOTE:

ANY DEVELOPMENT, EXCAVATION, CONSTRUCTION, OR FILLING IN A U.S. ARMY CORPS OF ENGINEERS DESIGNATED WETLAND IS SUBJECT TO LOCAL, STATE AND FEDERAL APPROVALS. THE CONTRACTOR SHALL COMPLY WITH ALL PERMIT REQUIREMENTS AND/OR RESTRICTIONS AND ANY VIOLATION WILL BE SUBJECT TO FEDERAL PENALTY. THE CONTRACTOR SHALL HOLD THE OWNER/DEVELOPER, THE ENGINEER AND THE LOCAL GOVERNING AGENCIES HARMLESS AGAINST SUCH VIOLATION.



VICINITY MAP
N.T.S.

SHEET INDEX		
SHEET NUMBER	SHEET TITLE	SHEET DESCRIPTION
1	COVER SHEET	C-0
2	GENERAL NOTES	C-1
3	DEMOLITION PLAN	C-2
4	SITE PLAN	C-3
5	GRADING PLAN	C-4
6	ENLARGED GRADING PLAN	C-4.1
7	ENLARGED GRADING PLAN	C-4.2
8	STORM DRAINAGE PLAN	C-4.3
9	UTILITY PLAN	C-5
10	UTILITY DETAILS	C5.1
11	PAVING & JOINT PLAN	C-6
12	JOINT DETAILS	C-6.1
13	TRUCK TURN EXHIBIT	C-7
14	FIRE TRUCK TURN EXHIBIT	C-7.1
15	SITE DETAILS	C-8
16	SITE DETAILS	C-9
17	CONCRETE SPECIFICATIONS	C-10
18	EARTHWORK SPECIFICATIONS	C-11
19	DUMPSTER DETAILS	C-12
20	LANDSCAPE PLAN	LP-1
21	LANDSCAPE NOTES & SCHEDULE	LP-2
22	LANDSCAPE NOTES & DETAILS	LP-3
23	IRRIGATION PLAN	IR-1
24	IRRIGATION NOTES	IR-2
25	PHOTOMETRIC SITE PLAN & DETAILS	PPP-1
26	BUILDING ELEVATIONS	A-1
27	BUILDING ELEVATIONS	A-2
28	BUILDING ELEVATIONS	A-3

GALLOWAY & COMPANY, INC.

1155 KELLY JOHNSON BLVD.
COLORADO SPRINGS, CO 80920
(719) 900-7227
CONTACT: KYLE GOODWIN

RESOURCE LIST:

APPLICANT

MURPHY OIL USA, INC.
200 PEACH STREET
EL DORADO, AR 71730
PM: GRANT DENNIS
(870) 315-3430

OWNER

CASTLE ROCK LAND HOLDINGS, INC.
595 MILLICH DR., SUITE 106
CAMPBELL, CA 95008
CONTACT: BRENT JACKSON
(650) 941-5681

GEOTECHNICAL

UNITED CONSULTING
625 HOLCOMB BRIDGE ROAD
NORCROSS, GA 30071
CONTACT: CHRIS ROBERTS
(770) 582-2799

TANK AND PRODUCT PIPING

GALLOWAY & COMPANY, INC.
5500 GREENWOOD PLAZA BLVD SUITE 200
GREENWOOD VILLAGE, CO 80111
CONTACT: DAVE JONES
(303) 962-8506

LANDSCAPE

GALLOWAY & COMPANY, INC.
1155 KELLY JOHNSON BLVD., SUITE 305
GREENWOOD VILLAGE, CO 80111
CONTACT: JON ROMERO
(719) 308-2532

CIVIL ENGINEER

GALLOWAY & COMPANY, INC.
1155 KELLY JOHNSON BLVD., SUITE 305
COLORADO SPRINGS, CO 80920
CONTACT: KYLE GOODWIN
(719) 900-7227

BUILDING CANOPY DESIGN

GREENBERG FARROW
3 EXECUTIVE DRIVE, SUITE 150
SOMERSET, NJ 08873
CONTACT: CHRIS CERBO
(732) 537-0832

BUILDING CANOPY MANUFACTURER

FREY MOSS STRUCTURES
1801 ROCKDALE INDUSTRIAL BLVD.
CONYERS, GEORGIA 30012
CONTACT: JENNIFER GOODMAN
(770) 483-7543 EXT. 151

SURVEYOR

GALLOWAY & COMPANY, INC.
1155 KELLY JOHNSON BLVD., SUITE 305
COLORADO SPRINGS, CO 80920
CONTACT: BRIAN DENNIS
(719) 900-7232

PUBLIC WORKS

TOWN OF CASTLE ROCK PUBLIC WORKS
4175 N. CASTLETON COURT
CASTLE ROCK, CO 80109
(720) 733-2462

WATER AND STORMWATER

CASTLE ROCK WATER
175 KELLOG COURT
CASTLE ROCK, CO 80109
(720) 733-6000

ELECTRIC

CORE ELECTRIC COOPERATIVE
5496 N. U.S. HIGHWAY 85
SEDALIA, CO 80135
CONTACT: JULIE GREENBERG
(303) 688-3100

GAS

BLACK HILLS ENERGY
1638 PARK ST.
CASTLE ROCK, CO 80109
(303) 688-1114

TOWN APPROVAL BLOCK

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

DEVELOPMENT SERVICES
APPROVED
By jkirpatrick
on 09/30/2025
APPROVED-CD24-0036 Plans.pdf
Record Document on File

APPROVED BY:

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.

KYLE R. GOODWIN
REGISTERED PROFESSIONAL ENGINEER # 63208

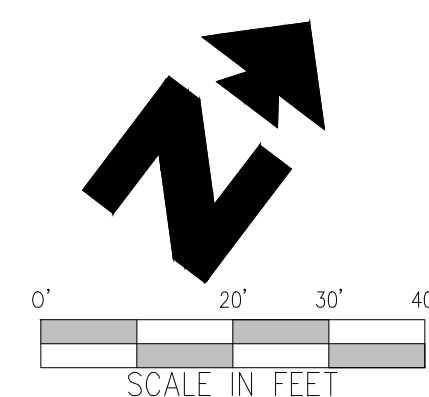
8/22/2025
DATE

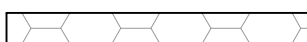
LEGAL DESCRIPTION

LOT 2-H, METZLER RANCH FILING NO. 3, 1ST AMENDMENT
LOCATED IN THE SOUTHWEST QUARTER OF SECTION 26, TOWNSHIP 7 SOUTH, RANGE 67
WEST OF THE 6TH PRINCIPAL MERIDIAN, TOWN OF CASTLE ROCK, COUNTY OF DOUGLAS,
STATE OF COLORADO

FCO #	DATE	PURPOSE/DESCRIPTION
REV-1	6/10/25	OUT TO BID
REV-2	7/18/25	OUT TO BID

JOB NO.:
MOC89
DATE
8/21/2025
SHEET NO.
C-0
1 OF 28



PROPOSED	
	EXISTING ASPHALT TO BE REMOVED
	EXISTING CONCRETE TO BE REMOVED
	EXISTING BUILDING TO BE REMOVED
	PROPOSED LIMITS OF CONSTRUCTION

A. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF THE EXISTING STRUCTURES, RELATED UTILITIES, PAVING, UNDERGROUND STORAGE TANKS AND ANY OTHER EXISTING IMPROVEMENTS AS NOTED.

B. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.

C. THE GENERAL CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT. THE CONTRACTOR WILL BE FULLY RESPONSIBLE FOR ANY DAMAGES TO THE ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASES OF THIS PROJECT.

D. 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 ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST OBTAIN THE APPROPRIATE UTILITY COMPANY AT THE PROJECT SITE PRIOR TO ANY EXCAVATION OR OTHER WORK THAT COULD BE DAMAGING TO THE UTILITIES.

THESE DRAWINGS DO NOT INCLUDE COMPONENTS FOR CONSTRUCTION SAFETY

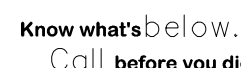
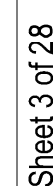
TOWN APPROVAL BLOCK

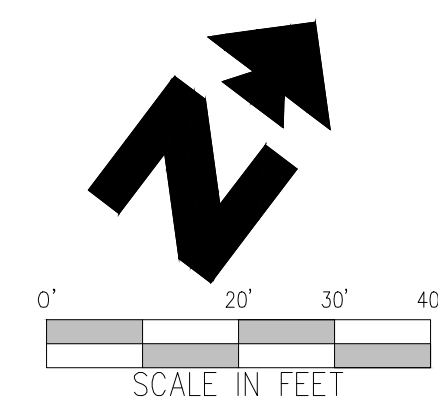
DATE _____

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8/22/2025
DATE

1. ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
2. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY EITHER THROUGH POT-HOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.





1. ALL DIMENSIONS SHOWN ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
2. ALL CURB RETURN RADI SHALL BE 5', AS SHOWN TYPELY ON THIS PLAN, UNLESS OTHERWISE NOTED.
3. UNLESS OTHERWISE SHOWN, CALLED OUT OR SPECIFIED HEREON: ALL CURB AND GUTTER ADJACENT TO PAVING SHALL BE INSTALLED PER DETAIL.
4. PAVEMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE PAVING PLAN OVER THE ENTIRE PARKING LOT AREA AND ALL APPROACH DRIVES.
5. SEE ASSOCIATED PLANS FOR CANYON, COLUMN, DISPENSER ISLAND DETAILS AND LAYOUT.
6. CONTRACTOR SHALL BEGIN CONSTRUCTION OF ANY LIGHT POLE BASES FOR RELOCATED LIGHT FIXTURES AND RELOCATION OF ELECTRICAL SYSTEM AS SOON AS DEMOLITION BEGINS. CONTRACTOR SHALL BE AWARE THAT INTERRUPTION OF POWER TO ANY LIGHT POLES OR SIGNS SHALL NOT EXCEED 24 HOURS.
7. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED SMOOTH AND FOUR INCHES OF TOPSOIL APPLIED. IF ADEQUATE TOPSOIL IS NOT AVAILABLE ON SITE, THE CONTRACTOR SHALL PROVIDE TOPSOIL, APPROVED BY THE OWNER, AS NEEDED. THE AREA SHALL THEN BE SEED/SODDED, FERTILIZED, MULCHED, WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE PROJECT SHALL BE CORRECTED BY THE CONTRACTOR AT HIS OWN EXPENSE.
8. CONTRACTOR SHALL PURCHASE AND INSTALL A MAILBOX AND SHALL COORDINATE LOCATION OF MAILBOX WITH MURPHY CONSTRUCTION MANAGER AND/OR ON-SITE REPRESENTATIVE AND LOCAL POSTMASTER.
9. ALL PROPOSED PAVEMENT STRIPING OR MARKINGS SHALL FOLLOW THE SPECIFICATIONS FOR PAINT INCLUDED IN DETAIL 10A.

8B	OVERHEAD CANOPY
8D	PROPOSED 5' CONCRETE SIDEWALK
8E	PROPOSED TYPE 2 DIRECTIONAL RAMP
12A	4" YELLOW LINE STRIPE (SEE SIZE INDICATED AT SYMBOL
12D	4" WIDE PAINTED STRIPES - 2" O.C. @ 45° (SEE SIZE INDICATED AT SYMBOL)
14J	GC TO INSTALL (1) 4" PVC SLEEVE FOR IRRIGATION LINE. (SEE UTILITY PLAN FOR INSTALLATION REQUIREMENTS)
14K	GC TO INSTALL (2) 4" PVC SLEEVES FOR FUTURE USE (SEE UTILITY PLAN FOR INSTALLATION REQUIREMENTS)
16A	MURPHY FREE STANDING SIGN
17A	TRANSFORMER
18G	CONSTRUCTION CAMERA (COORDINATE WITH MOUSA PM ON LOCATION)
21C	DEF DISPENSER
21D	MULTI-DISPENSER FUEL PUMP
21E	UNDERGROUND STORAGE TANKS (1-25,000 GAL. & 1-26,000 GAL.)
21G	AIR/VACUUM UNIT WITH 4X7' CONCRETE SLAB
21K	MURPHY EXPRESS ID SIGN PER APPROVED RENDERING
21L	PRICE SIGN PER APPROVED ELEVATION
45G	1,000 GALLON GREASE INTERCEPTOR
51B	LIMITS OF SAWCUT AND PAVEMENT REMOVAL

1A INTEGRAL CONCRETE CURB
2A CURB CUT W/ SEDIMENT PAD (PER MHFD DETAIL RR-5)
1F CROSSSPAN (PER TOWN OF CASTLE ROCK, DTL CG-9)
2E DUMPSTER ENCLOSURE
3D CONCRETE SIDEWALK
3K CONCRETE SIDEWALK AROUND BUILDING
3L SEGMENTAL RETAINING WALL
3M GRASSED SWALE
5B TRAFFIC SIGN IN BOLLARD
5F STEEL BOLLARD W/COVER (SINGLE)
9U ACCESSIBLE PARKING SYMBOL (SEE PAINT COLOR INDICATED AT SYMBOL)
9V ACCESSIBLE PARKING SIGN MOUNTED IN BOLLARD
9X "NO PARKING" PAINTED ON PAVEMENT
12G "STOP" SIGN
21E UNDERGROUND STORAGE TANKS (1-25,000 GAL. & 1-26,000 GAL.)
21K MURPHY EXPRESS ID SIGN PER APPROVED RENDERING
21L PRICE SIGN PER APPROVED ELEVATION
21P 5x7" ICE UNIT (SEE NUMBER INDICATED AT SYMBOL)
21U 7'x10' CONCRETE SLAB FOR PROPANE TANKS

31D INSTALL (2) PVC SCH. 40 (D2665) SLEEVES 30" BELOW FINAL GRADE UNDER DRIVEWAY. EXTEND SLEEVES 2 FEET BEYOND BACK OF PROPOSED CURB OR EDGE OF PAVEMENT. STAKE BOTH ENDS OF EACH SLEEVE WITH CAPPED VERTICAL PVC PIPE, 12" ABOVE GRADE.DO NOT ALLOW SOIL OR WATER TO ENTER SLEEVES DURING OR AFTER CONSTRUCTION.

31E INSTALL (1) PVC SCH. 40 (D2665) SLEEVES 30" BELOW FINAL GRADE UNDER DRIVEWAY FOR IRRIGATION LINE. EXTEND SLEEVES 2 FEET BEYOND BACK OF PROPOSED CURB OR EDGE OF PAVEMENT. STAKE BOTH ENDS OF SLEEVE WITH CAPPED VERTICAL PVC PIPE, 12" ABOVE GRADE. DO NOT ALLOW SOIL OR WATER TO ENTER SLEEVES DURING OR AFTER CONSTRUCTION.

45G 1,000 GALLON GREASE INTERCEPTOR
51B LIMITS OF SAWCUT AND PAVEMENT REMOVAL



EXISTING TREE

	CONCRETE PAVING
	REINFORCED CONCRETE PAVING
	PROPOSED ADA PATH
	PROPOSED CDOT TYPE 13 STORM INLET
	PROPOSED AREA INLET
	PROPOSED CONSTRUCTION CAMERA
	PROPOSED GREASE INTERCEPTOR
	PROPOSED SANITARY CLEANOUT
	PROPOSED STORM SEWER CLEANOUT
	PROPOSED LIGHT
	PROPOSED LIMITS OF CONSTRUCTION

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



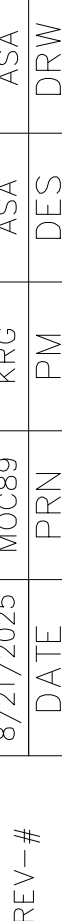
TOWN OF
CASTLE ROCK
COLORADO

By jkirkpatrick
on 09/30/2025
DOVED-CD24-0036 Plans.pd
Record Document on File

DATE _____

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.

8/22/2025
DATE



SITE PLAN
MURPHY USA (NTI)
186 METZLER DRIVE
CASTLE ROCK COLORADO

1155 Kelly Johnson Blvd., Suite 305
Colorado Springs, CO 80920
719.900.7220 Kyle Goodwin, P.E.
Galvanval11.com

MURPHY OIL USA, INC.

200 PEACH STREET
EL DORADO, AR 71730

MURPHY
USA 

SHEET NO.

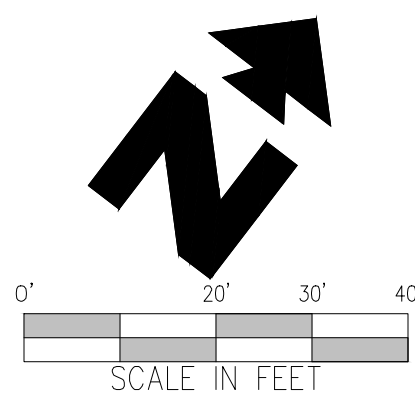


Sheet 4 of 28

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2. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY THROUGH POT-HOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.



Know what's below.
Call before you dig.



PROPOSED

MAJOR CONTOUR: 4865

MINOR CONTOUR: 64

SPOT ELEVATIONS:

- XX.XX TBC = TOP BACK OF CURB
- XX.XX FL = FLOWLINE
- XX.XX TOI = TOP OF ISLAND
- XX.XX LP = LOW POINT
- XX.XX TW = TOP OF WALL
- XX.XX BW = BOTTOM OF WALL
- XX.XX = FINISHED GRADE

DRAINAGE SLOPE AND DIRECTION:

- 3.00% (pink line)
- 4.0:1 (green line)

SD STORM SEWER (LESS THAN 12")

SS SANITARY SERVICE

W WATER SERVICE

A. PRIOR TO INSTALLATION OF STORM OR SANITARY SEWER, WATER MAIN, OR ANY OTHER UTILITIES, THE CONTRACTOR SHALL EXCAVATE, VERIFY, AND CALCULATE ALL POINTS OF CONNECTION AND ALL UTILITY CROSSING AND INFORM THE OWNER AND THE ENGINEER OF ANY CONFLICTS OR REQUIRED DEVIATIONS FROM THE PLAN FOR PRIOR TO PROTECTION. NOTIFICATION SHALL BE MADE A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION. THE ENGINEER AND ITS CLIENTS SHALL BE HELD HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION.

B. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED SMOOTH AND GROUND COVER ESTABLISHED. ANY RELOCATED TREES SHALL BE MAINTAINED UNTIL SUCH POINT AS TREE IS RE-ESTABLISHED. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE PROJECT SHALL BE STABILIZED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

C. 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 ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES.

D. REFER TO GEOLOGICAL REPORT FOR SPECIFIC SITE SOIL CONDITIONS AND CONSIDERATIONS.

E. CONTRACTOR SHALL COMPLY COMPLETELY WITH THE LATEST STANDARDS OF ARIZONA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING AND OTHER MEANS OF PROTECTION. THIS IS TO INCLUDE, BUT NOT LIMITED FOR ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH PERFORMANCE CRITERIA AS REQUIRED BY AJS.

F. ALL HOPE PIPE IN SANDY OR HIGHLY ERODIVE, OR EXPANSIVE SOILS SHALL BE N-12 WT IB (OR EQUIVALENT WITH 2" INTERIOR AND ANNUAL ELEVATION CORRUGATIONS, C-40 PIPE SHALL MEET ASTM F2648 (OR AJSHTO M252 TYPE SJ) SHALL HAVE A MINIMUM MANHOLE DESIGN VALUE OF 0.012 JOINTS SHALL BE WATERIGHT ACCORDING TO ASTM D3212 (OR AJSHTO M252, M234) REQUIREMENTS. GASKETS SHALL MEET THE REQUIREMENTS OF ASTM F477. JOINT PERFORMANCE, FITTINGS, MATERIAL PROPERTIES AND INSTALLATION SHALL BE DONE PER THE COMPLETE AJS SPECIFICATION FOR AJS N-12 WE IB PIPE POUND IN THE AJS INC. DRAINAGE HANDBOOK, LATEST EDITION.

G. ALL OTHER HOPE PIPE SHALL BE N-12 ST IB (OR EQUIVALENT WITH SMOOTH INTERIOR AND ANNUAL ELEVATION CORRUGATIONS, C-40 PIPE SHALL MEET ASTM F2648 (OR AJSHTO M252 TYPE SJ) SHALL HAVE A MINIMUM MANHOLE DESIGN VALUE OF 0.012 JOINTS SHALL BE WATERIGHT ACCORDING TO ASTM D3212 (OR AJSHTO M252, M234) REQUIREMENTS AND SHALL HAVE A MINIMUM MANHOLE DESIGN VALUE OF 0.012. JOINT PERFORMANCE, FITTINGS, MATERIAL PROPERTIES AND INSTALLATION SHALL BE DONE PER THE COMPLETE AJS SPECIFICATIONS FOR AJS N-12 WE IB PIPE POUND IN THE AJS INC. HANDBOOK, LATEST EDITION.

H. IF USING HOPE PERFORATED PIPE FOR SUBSURFACE DRAINAGE AND DETENTION/RETENTION SYSTEMS, THE PERFORATION SHALL BE ACCORDING CLASS II STANDARD PERFORATION PATTERN REQUIREMENTS.

I. STORM SEWER LINES 18"-54" DIAMETER ARE TO BE REINFORCED CONCRETE PIPE ACCORDING TO ASTM C-76 (WATERHOOT) UNLESS OTHERWISE INDICATED.

J. CORRUGATED METAL PIPE, WHERE SPECIFICALLY SPECIFIED ON PLAN, SHALL BE TYPE II HIPS OF AJSHTO M 36 GALVANIZED WITH TYPE J JOINTS.

K. CONTRACTOR SHALL ESTABLISH GRADGES OF FINISH PAVEMENT TO ENSURE PROPER (POSITIVE) DRAINAGE AND PREVENT PUDDING OF WATER, SPECIALLY IN PEDESTRIAN WALKWAYS. UNPAVED AREAS OF SITE SHALL ALSO BE PROTECTED FOR POSITIVE DRAINAGE. CONSULT ENGINEER SHOULD THERE BE CONFLICTS WITH CRITICAL GRADGES SHOWN HEREON.

L. CONTRACTOR SHALL VERIFY ACTUAL FINISH FLOOR ELEVATION AFTER BUILDING SET AND NOTIFY ENGINEER AS SHOWN WITHIN 48 HOURS OF ANY DISCREPANCY.

M. PIPE JOINTS SHALL BE WRAPPED WITH GEOTEXTILE FABRIC (LAPPED 18").

N. CONTRACTOR TO CONFIRM BUILDINGS AND CANYON FOOTER ELEVATIONS PRIOR TO BUILDING BEING SET.

18D	MATCH EXISTING PAVEMENT ELEVATIONS
51B	LIMITS OF SAWCUT & PAVEMENT REMOVAL

28A	STORM SEWER TRENCH & BEDDING
2E	DUMPSTER ENCLOSURE

SEE SHEET C-4.3 FOR BUILDING
ROOF AND CANOPY DRAINAGE


TBM 1
 #5 REBAR W/ 1.25" GREEN PLASTIC CAP
 STAMPED "GALLOWAY CONTROL"
 ELEVATION=6263.49

TOWN OF CASTLE ROCK APPROVAL

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

APPROVED BY: _____

APPROVED

By jorkpatrick
on 09/30/2025
APPROVED-CID24-00386 Plans.pdf
Record Document on File

DEVELOPMENT SERVICES

DATE

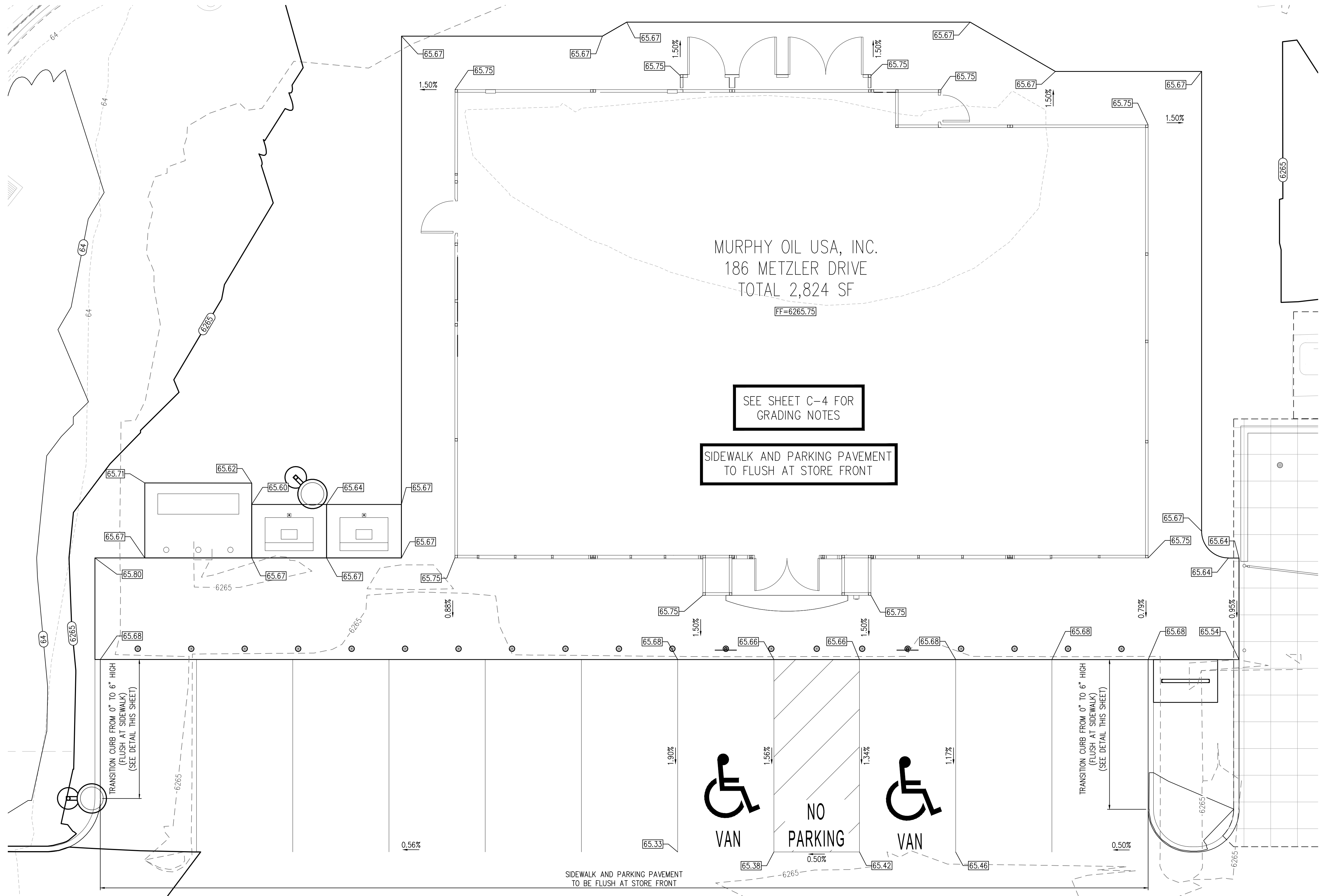
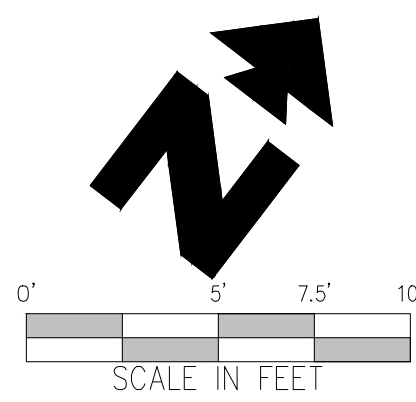
PROFESSIONAL ENGINEER CERTIFICATION

KYLE R. GOODWIN
REGISTERED PROFESSIONAL ENGINEER # 63208

200

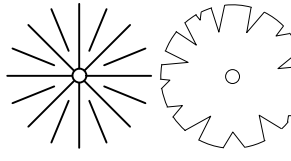
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EXISTING

- - - - - 5460 - - - - - EXISTING MAJOR CONTOUR
- - - - - 52 - - - - - EXISTING MINOR CONTOUR
- - - - - SD - - - - - EXISTING STORM SEWER (LESS THAN 12"Ø)
- - - - - SS - - - - - EXISTING SANITARY SEWER
- - - - - W - - - - - EXISTING WATER
- - - - - UE - - - - - EXISTING UNDERGROUND ELECTRIC
- - - - - OHE - - - - - EXISTING OVERHEAD ELECTRIC
- - - - - FO - - - - - EXISTING FIBER OPTIC
- - - - - G - - - - - EXISTING GAS
- ⊗ EXISTING STREET LIGHT
- ⊞ EXISTING TRANSFORMER
- ⊙ EXISTING ELECTRIC METER
- ⊞ EXISTING ELECTRIC BOX
- ⊞ EXISTING FIBER OPTIC BOX
- ⊙ EXISTING GAS METER
- ⊙ EXISTING SANITARY SEWER MANHOLE
- ⊙ EXISTING WATER VALVE
- ⊙ EXISTING STORM INLET
- ⊙ EXISTING FIRE HYDRANT
- ⊙ EXISTING SIGN
- EXISTING BOLLARD

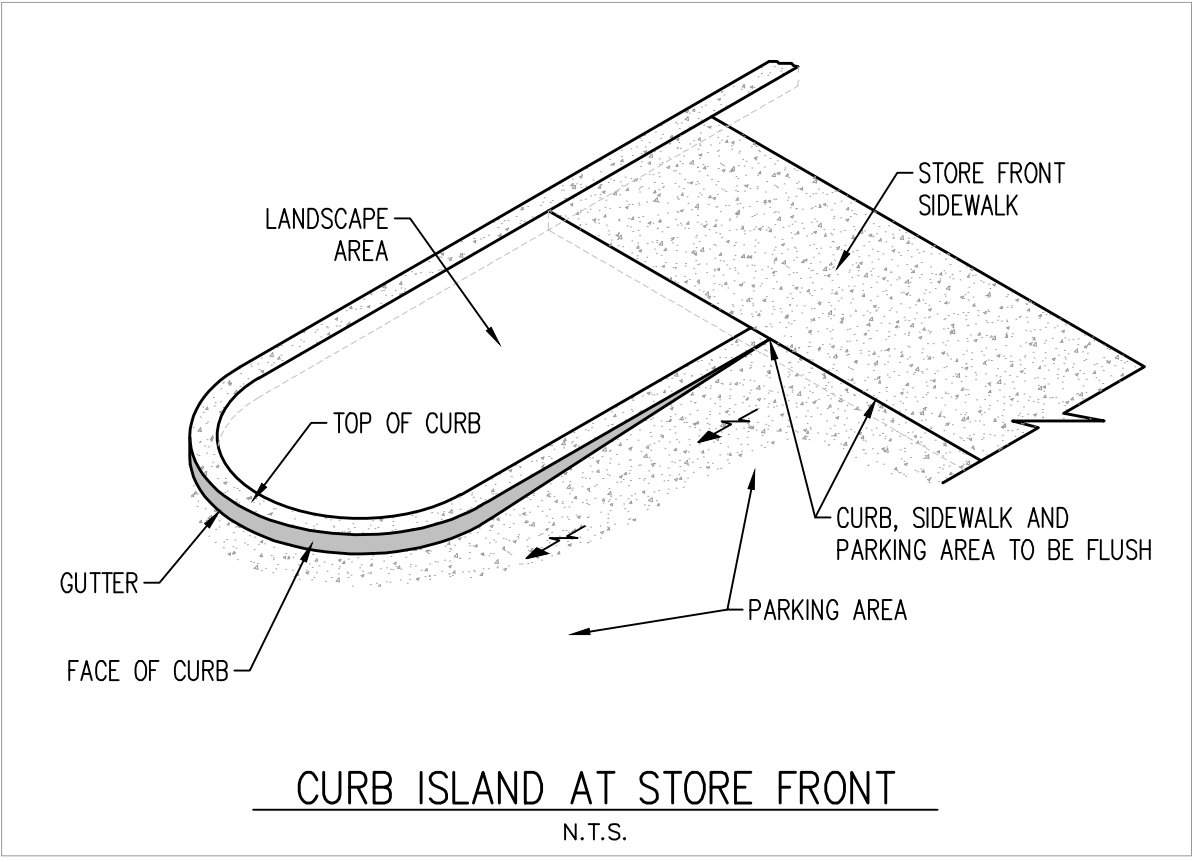


EXISTING TREE

PROPOSED

- BOUNDARY LINE
- 4865 — MAJOR CONTOUR
- 64 — MINOR CONTOUR
- 00.00 — SPOT ELEVATIONS:
 - XX.XX TBC = TOP BACK OF CURB
 - XX.XX FL = FLOWLINE
 - XX.XX TOI = TOP OF ISLAND
 - XX.XX LP = LOW POINT
 - XX.XX TW = TOP OF WALL
 - XX.XX BW = BOTTOM OF WALL
 - XX.XX = FINISHED GRADE
- 3.00% 4.0:1 DRAINAGE SLOPE AND DIRECTION

BUILDING/PAVEMENT ELEVATIONS
SCALE: 1"=5'



TOWN APPROVAL BLOCK

TOWN OF CASTLE ROCK APPROVAL
PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM
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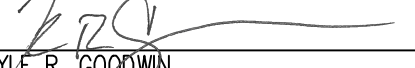
DEVELOPMENT SERVICES
APPROVED
By jkirpatrick
on 09/30/2025
APPROVED-CD24-0036 Plans.pdf
Record Document on File

APPROVED BY:  **CASTLE ROCK**
C O L O R A D O

DEVELOPMENT SERVICES _____ DATE _____

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KYLE R. GOODWIN
REGISTERED PROFESSIONAL ENGINEER # 63208

8/22/2025
DATE



REV-#	8/21/2025	MOCS9	PRN	PM	DES	ASA	ASA	DRW
ENLARGED GRADING PLAN								
MURPHY OIL USA (NTI)								
186 METZLER DRIVE								
CASTLE ROCK COLORADO								



1155 Kelly Johnson Blvd., Suite 305
Colorado Springs, CO 80920
719.590.7220 Kyle Goodwin, P.E.
GallowayUS.com

MURPHY OIL USA, INC.

200 PEACH STREET
EL DORADO, AR 71730

MURPHY OIL USA

SHEET NO. **C-4.1**

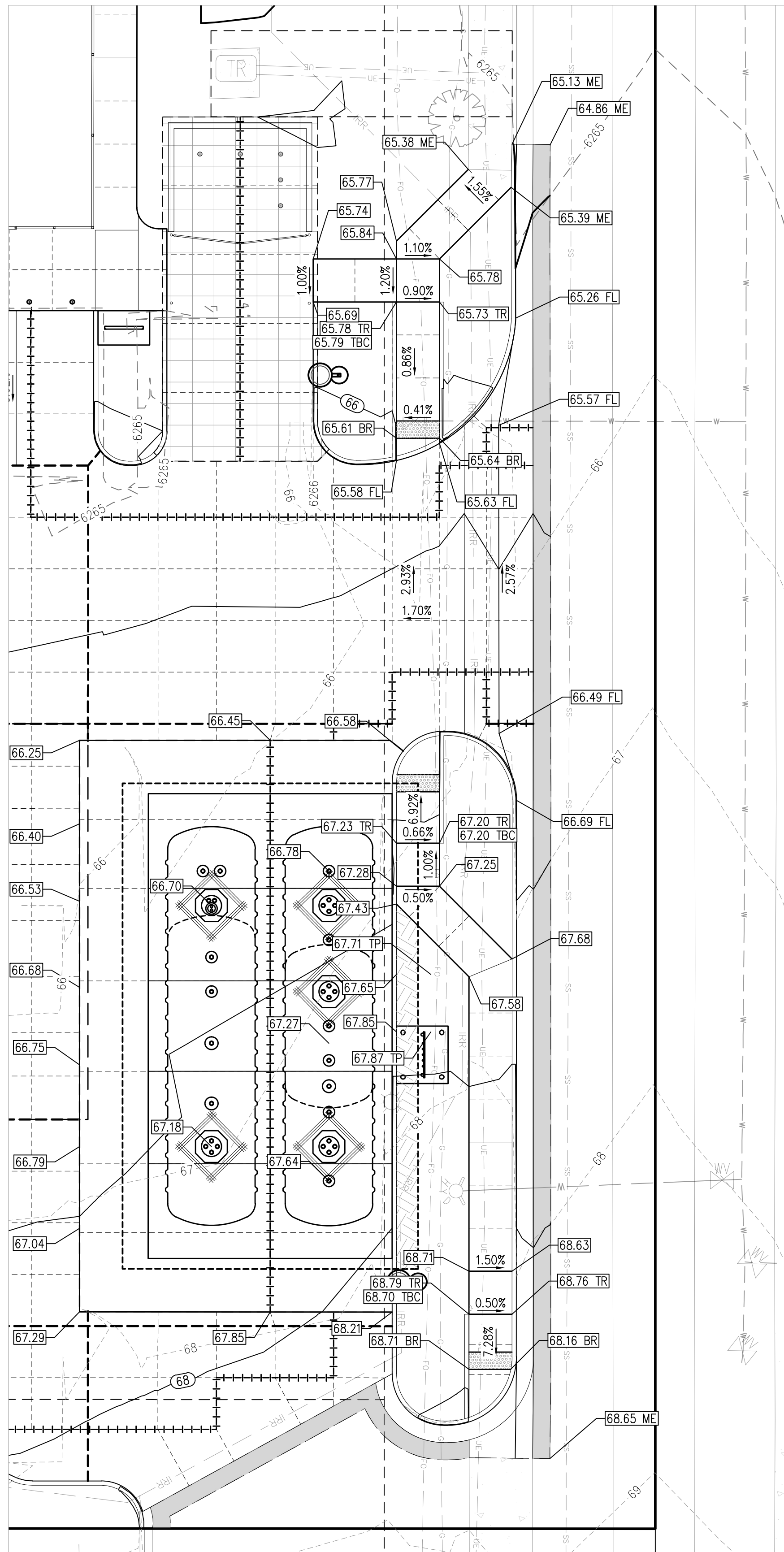
Sheet C of 28

CAUTION — NOTICE TO CONTRACTOR

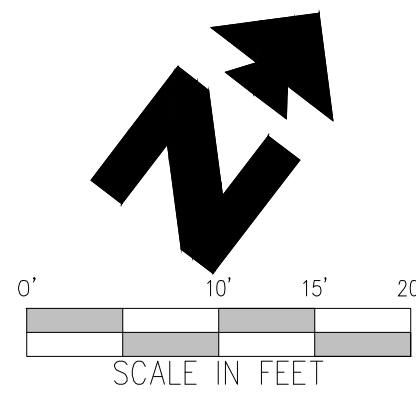
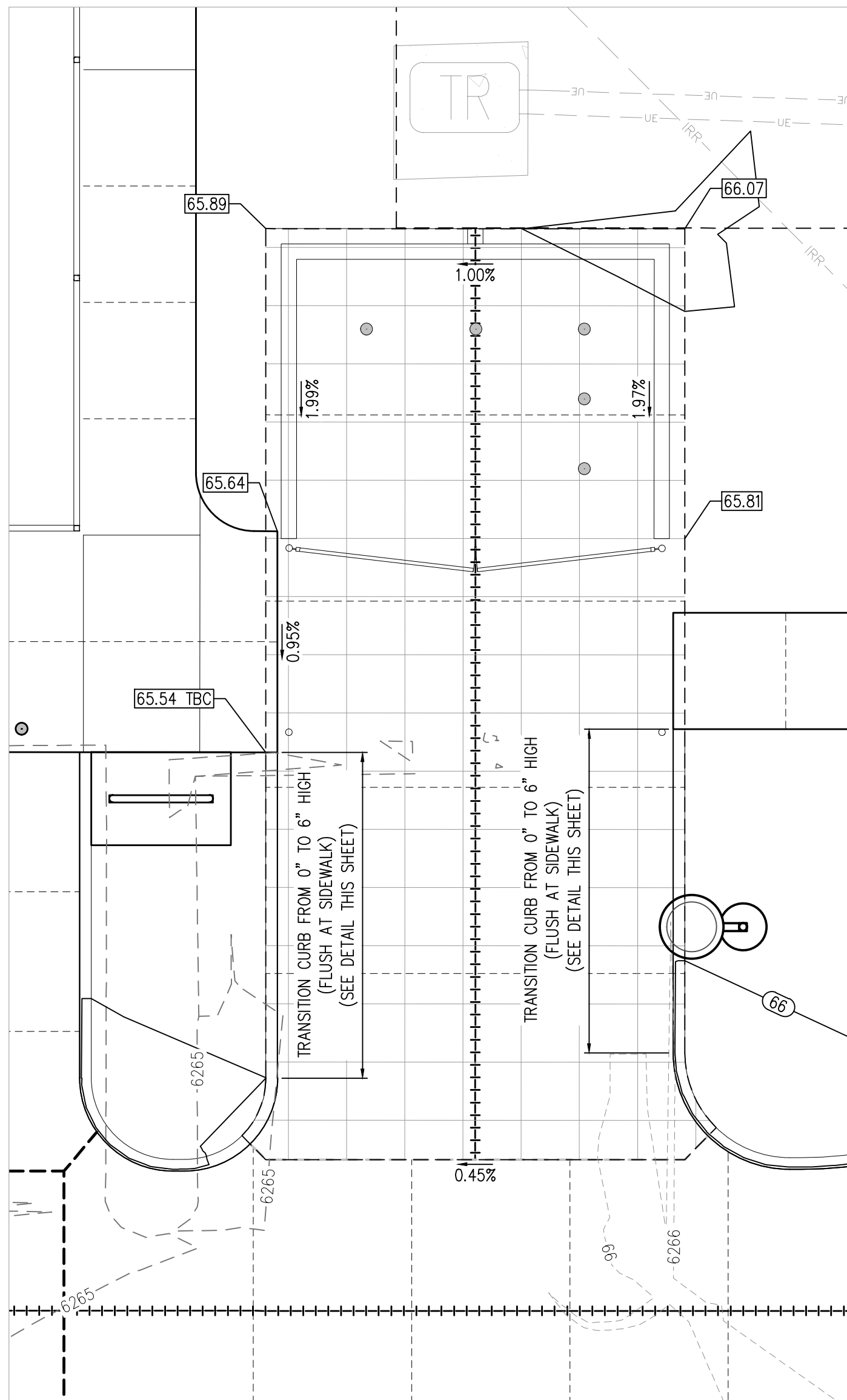
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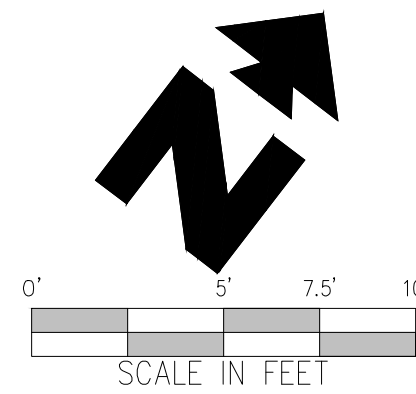
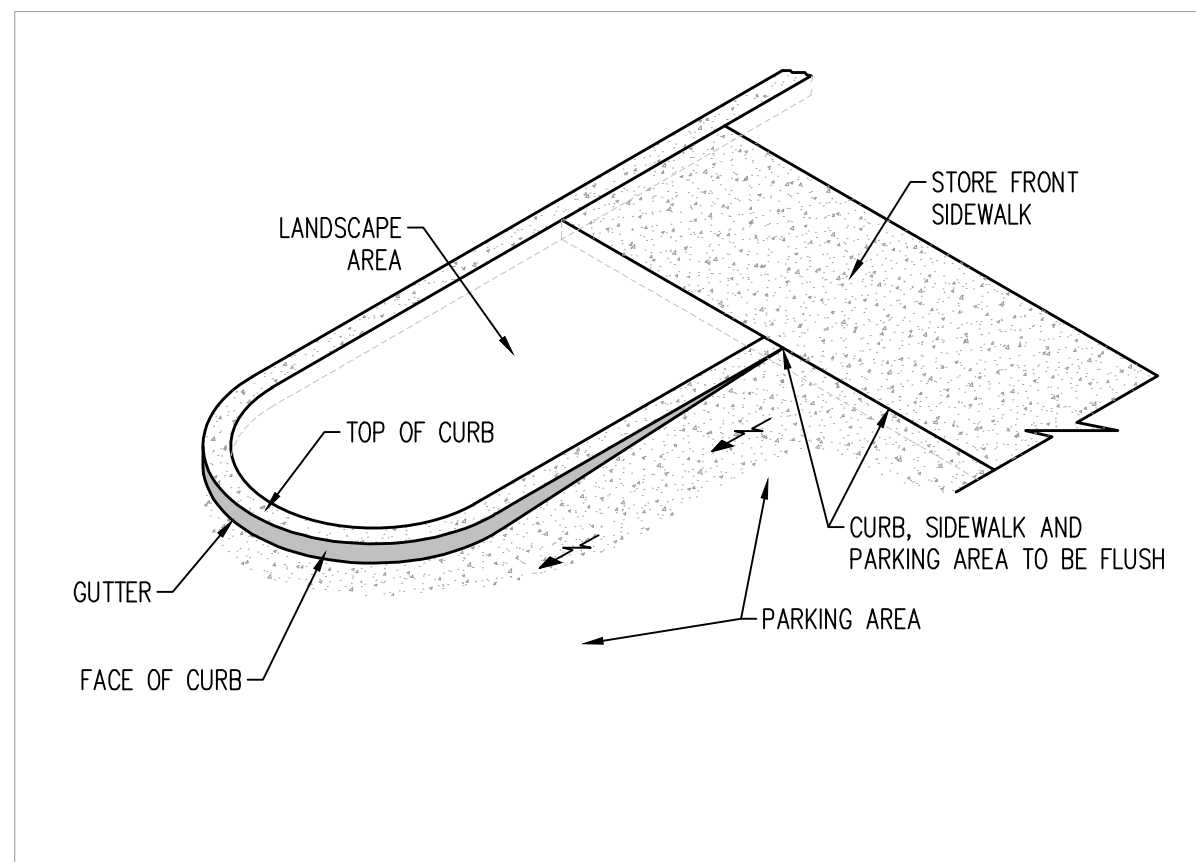

Know what's below.
Call before you dig.



SIDEWALK AND PEDESTRIAN RAMPS
SCALE: 1" = 10'



DUMPSTER ENCLOSURE DRAINAGE
SCALE: 1" = 10'



CURB ISLAND AT STORE FRONT
N.T.S.

TOWN APPROVAL BLOCK

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

APPROVED BY:  **APPROVED**
By jkirkpatrick
on 09/30/2025
APPROVED-CD24-0036 Plans.pdf
Record Document on File

DEVELOPMENT SERVICES DATE

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KYLE R. GOODWIN
REGISTERED PROFESSIONAL ENGINEER # 63208

8/22/2025
DATE

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MURPHY OIL USA, INC.

200 PEACH STREET
EL DORADO, AR 71730

MURPHY
USA

SHEET NO.

C-4.2

Sheet 7 of 28

REV-#

DATE

PRN

PM

DES

ASA

DRW

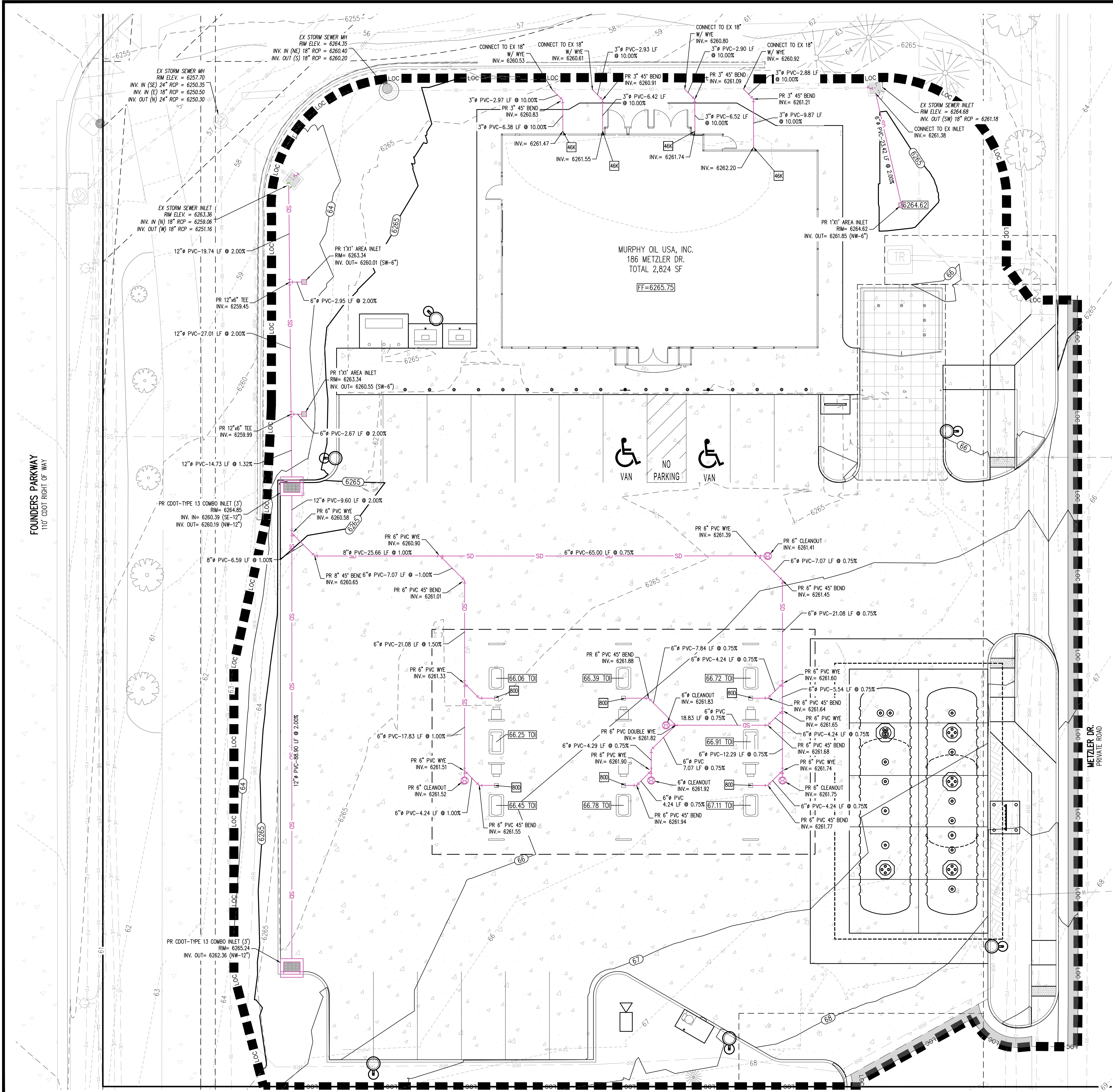
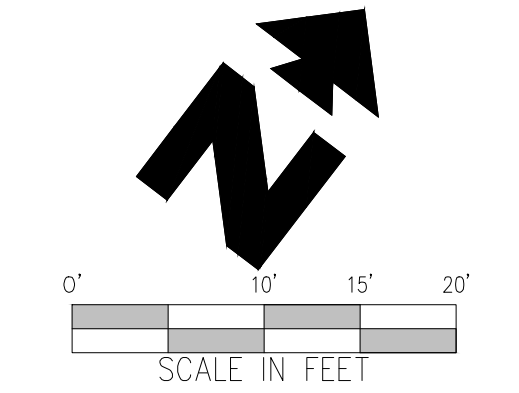
ENLARGED GRADING PLAN

MURPHY USA (NTI)

186 METZLER DRIVE

CASTLE ROCK COLORADO





THESE DRAWINGS DO NOT INCLUDE COMPONENTS FOR CONSTRUCTION SAFETY.

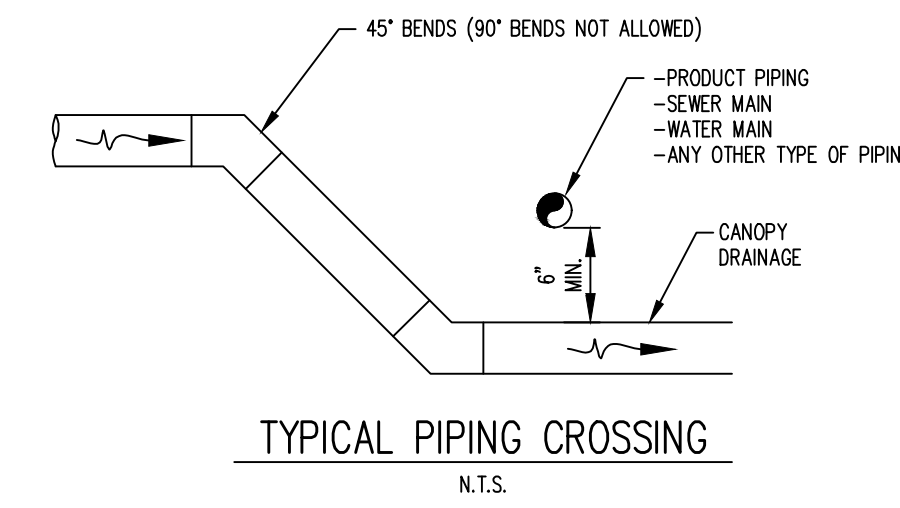
CONTRACTOR TO VERIFY ALL ELEVATIONS AND CONFLICTS PRIOR TO INSTALLING BUILDING AND CANOPY DRAINAGE.

ALL CANOPY DRAINAGE TO BE A MIN. OF 6" BELOW ALL PRODUCT PIPING.

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

EXISTING	
---	EXISTING MAJOR CONTOUR
---	EXISTING MINOR CONTOUR
---	EXISTING STORM SEWER
---	EXISTING SANITARY SEWER
---	EXISTING WATER
---	EXISTING UNDERGROUND ELECTRIC
---	EXISTING OVERHEAD ELECTRIC
---	EXISTING FIBER OPTIC
---	EXISTING GAS
---	EXISTING EASEMENT
---	EXISTING STREET LIGHT
---	EXISTING TRANSFORMER
---	EXISTING ELECTRIC METER
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---	EXISTING GAS METER
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---	EXISTING WATER VALVE
---	EXISTING STORM INLET
---	EXISTING FIRE HYDRANT
---	EXISTING SIGN
---	EXISTING TREE
PROPOSED	
---	MAJOR CONTOUR
---	MINOR CONTOUR
---	SPOT ELEVATIONS:
---	XX.XX FF = FINISH FLOOR
---	XX.XX TOI = TOP OF ISLAND
---	STORM SEWER (LESS THAN 12")

- GENERAL STORM DRAINAGE NOTES**
- DRAINAGE PIPING AND FITTINGS FOR CANOPY DRAINAGE SHALL BE SOLVENT WELD PVC SCH. 40 (MIN).
 - REFER TO CLEANOUT DETAIL FOR REQUIRED HEAVY DUTY COVER.
 - DRAINAGE PIPING SHALL BE ROUTED BELOW PRODUCT PIPING (MIN. 6" VERTICAL SEPARATION). COORDINATE WITH TANK/PIPING PLANS.
 - ALL STORMWATER FACILITIES AND BMPs LOCATED IN CITY ROWS OR TYING INTO CITY STORMWATER SYSTEM NEED TO BE INSPECTED BY CITY STORMWATER PERSONNEL. PLEASE CONTACT INSPECTOR BEFORE CONSTRUCTION. 719-553-2291 OR 719-553-2285.
 - SLAG IS NOT AN ACCEPTABLE MATERIAL FOR PARKING OR DRIVING AREAS DUE TO ITS TOXIC COMPOSITION. PER THE COLORADO DEPARTMENT OF HEALTH AND ENVIRONMENT WATER QUALITY DIVISION. IT IS NOT ALLOWED ANYWHERE ON SITE.
- STORM DRAINAGE DETAILS**
- 28A STORM SEWER TRENCH & BEDDING
 - 46K ROOF DRAIN DOWNSPOUT LOCATION
 - 80D DOWNSPOUT COLLECTOR



TOWN APPROVAL BLOCK

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

APPROVED BY: **APPROVED**
By Kirkpatrick on 09/30/2025
APPROVED-CD24-0036 Plans.pdf
Record Document on File

DEVELOPMENT SERVICES DATE

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8/22/2025
KYLE R. GOODWIN DATE
REGISTERED PROFESSIONAL ENGINEER # 63208

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

REV	DATE	BY	DES	DRW
1	8/21/2025	MOE89	PRN	PRN

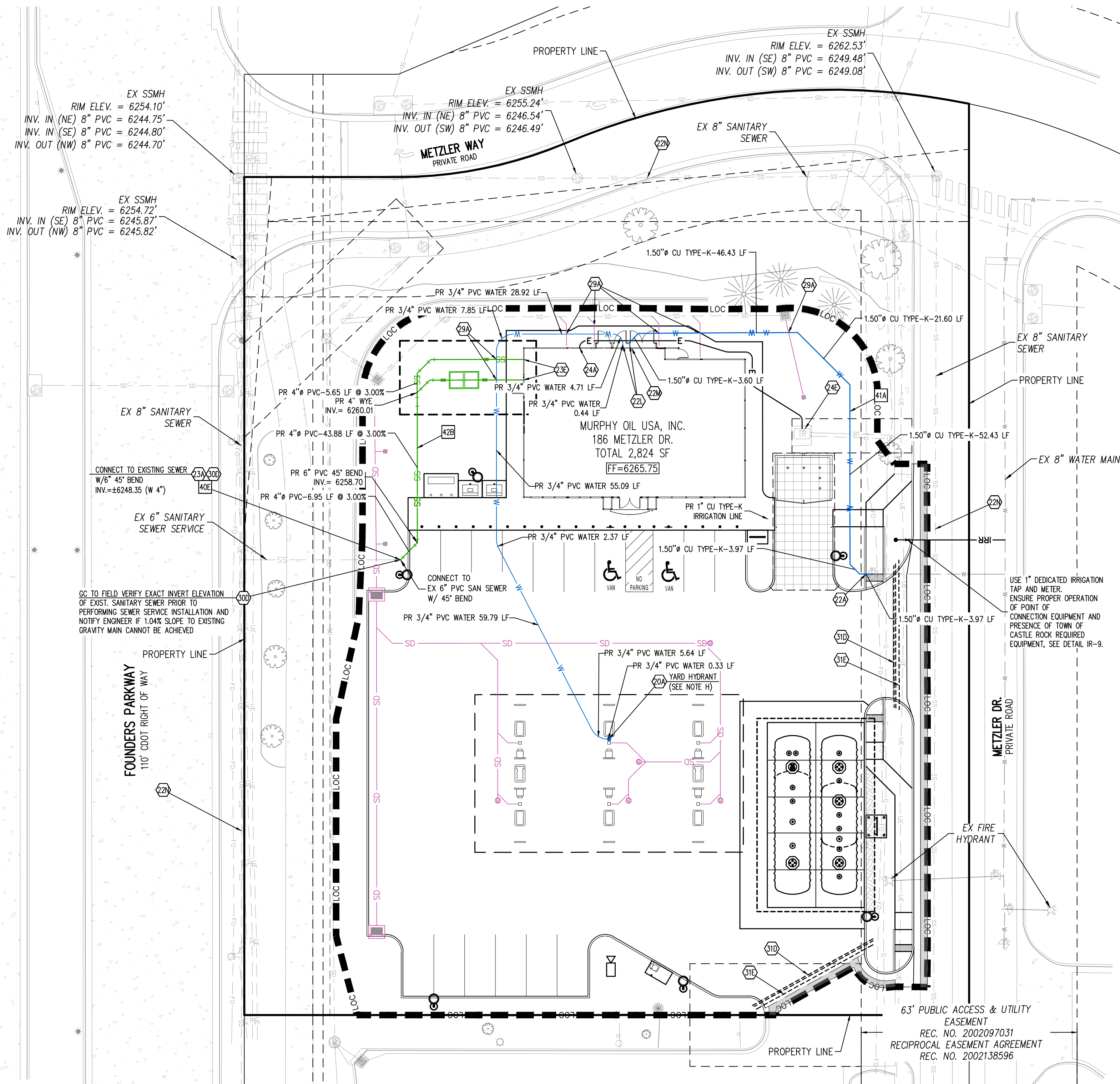
STORM DRAINAGE PLAN
MURPHY OIL USA (NTI)
186 METZLER DRIVE
CASTLE ROCK COLORADO

Galloway
1155 Kelly Johnson Blvd., Suite 305
Colorado Springs, CO 80920
719.590.7220 Kyle Goodwin, P.E.
gallowayus.com

MURPHY OIL USA, INC.
200 PEACH STREET
EL DORADO, AR 71730

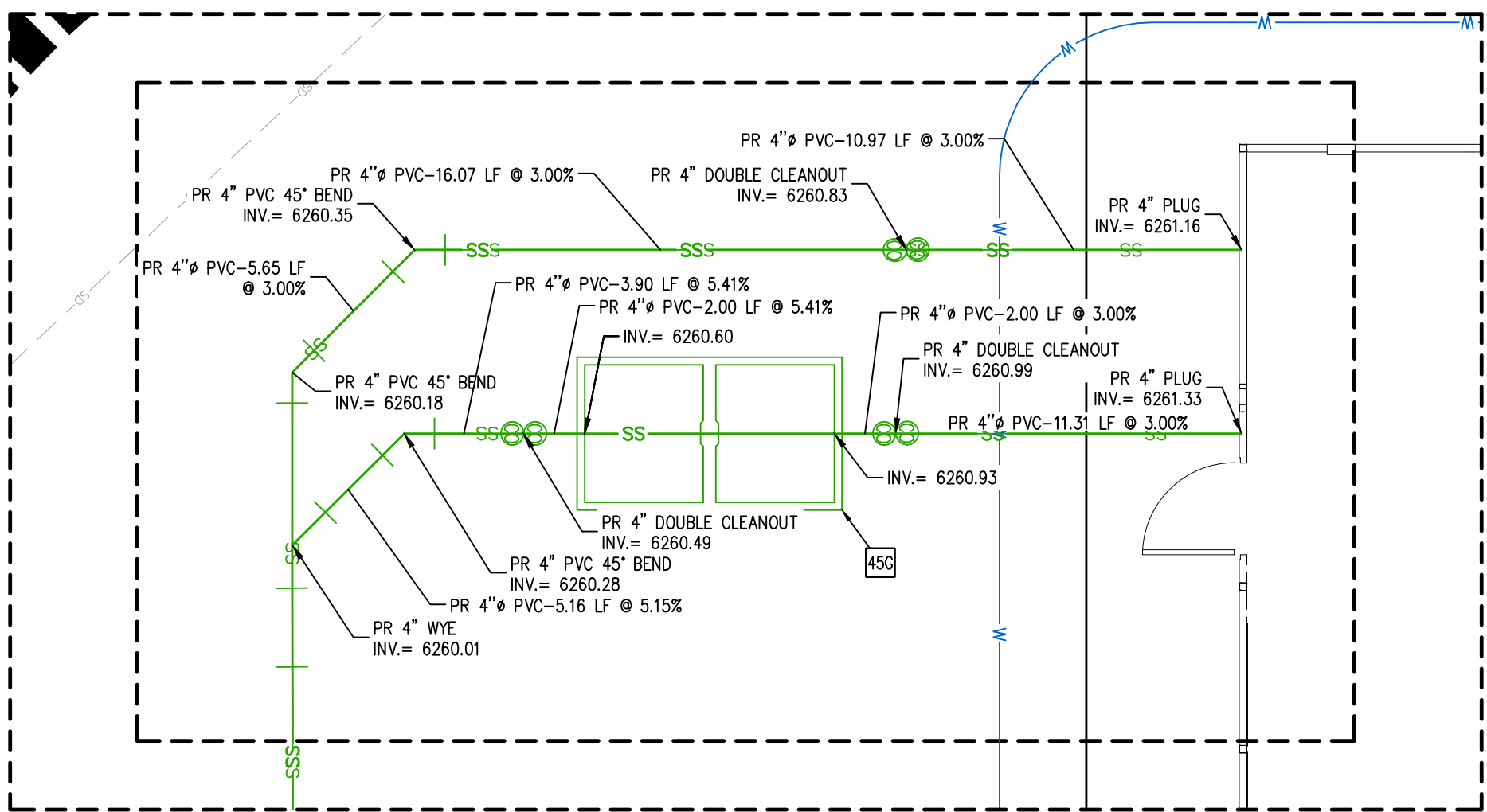
MURPHY OIL USA

SHEET NO. C-4.3
Sheet 3 of 28

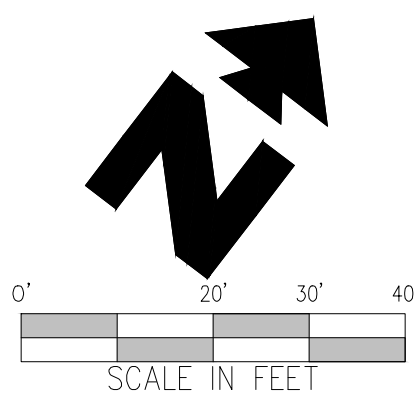
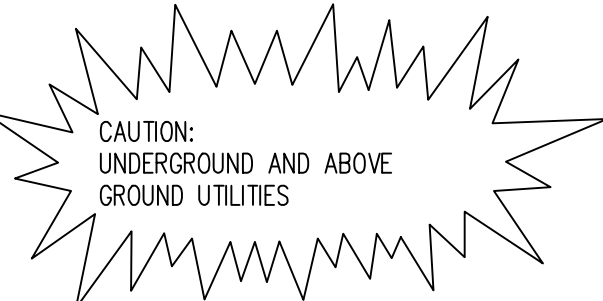


CAUTION - NOTICE TO CONTRACTOR

- ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
- WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POT-HOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.



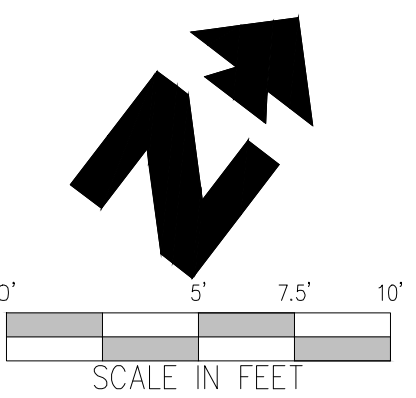
INSET A
SCALE: 1"=5'



REFER TO GALLOWAY SHEET FE-1 FOR SIZING, ROUTING AND INSTALLATION REQUIREMENTS OF SITE LIGHTING CONDUIT AND WIRING.

UTILITY ROUTING NOTE:
1. REFER TO PLUMBING PLAN (P1) FOR EXACT LOCATIONS OF UTILITY ENTRY POINTS TO BUILDING, ROUTING OF SEWER FLOWS, ETC.

GC TO VERIFY LOCATION, CONNECTION POINT AND DEPTH OF EXISTING UTILITIES PRIOR TO INSTALLING PROPOSED UTILITY.



PROPOSED	
	BOUNDARY LINE
	WATER SERVICE
	SANITARY SERVICE
	STORM DRAIN
	ELECTRICAL SERVICE

UTILITY DETAILS	
40C	SANITARY SEWER CLEAN OUT
40B	2-WAY CLEANOUTS
40E	SANITARY SEWER SERVICE CONNECTION TO EXISTING SEWER STUB OUT
41A	TRENCH DETAIL
42B	SANITARY SEWER TRENCHING AND BEDDING
45G	1,000 GALLON GREASE INTERCEPTOR

UTILITY CONTACTS	
SEWER & WATER TOWN OF CASTLE ROCK 175 KELLOGG COURT CASTLE ROCK, CO 80109 (720) 733-6000	INTERNET CABLE COMPANY COMCAST/XFINITY
ELECTRIC CORE ELECTRIC COOPERATIVE 5496 N. U.S. HIGHWAY 85 SEDALIA, CO 80135 CONTACT: JULIE GREENBERG (303) 688-3100	

ALL UTILITY FEES TO BE PAID BY OWNER AND ARE NOT REQUIRED TO BE INCLUDED IN BID.

UTILITY FEE SCHEDULE (FEES TO BE PAID BY MURPHY)			
ELECTRIC		SEWER	
IMPACT FEE	\$0.00	IMPACT FEE	\$0.00
DEPOSIT	\$0.00	TAP FEE	\$5,010.00
CONNECTION FEE	\$0.00	TOTAL	\$5,010.00
TOTAL	\$0.00		
WATER			
IMPACT FEE	\$0.00		
TAP FEE	\$0.00		
METER FEE	\$0.00		
TOTAL	\$0.00		

* UTILIZING EXISTING METER AND SERVICE CONNECTION, NO FEES ARE ANTICIPATED.

UTILITY INSTALLATION RESPONSIBILITIES

- WATER SERVICE:**
- PLAN TO USE EXISTING WATER METER.
 - CONTRACTOR TO PROVIDE AND INSTALL WATER LINES, BACKFLOW DEVICES AND APPURTENANCES FROM METER TO BUILDING.
- ELECTRIC SERVICE:**
- PLAN TO USE EXISTING TRANSFORMER.
 - CONTRACTOR TO PROVIDE AND INSTALL 2-4" CONDUITS FROM TRANSFORMER TO BUILDING INCLUDING SWEEPS (36" R.), AND SECONDARY WIRE.
- SEWER SERVICE:**
- CONTRACTOR TO CONNECT TO EXISTING STUB OUT, PROVIDE AND INSTALL SERVICE LINES AND CLEANOUTS FROM POINT OF CONNECTION TO BUILDING.
- INTERNET SERVICE:**
- CONTRACTOR TO INSTALL 2-2" CONDUITS WITH PULL STRING FROM BUILDING TO CONNECTION POINT.

UTILITY INSTALLATION RESPONSIBILITIES			
ELECTRIC RESPONSIBILITY			
	GENERAL CONTRACTOR	UTILITY PROVIDER	N/A
CONDUIT / TRENCH	X		
TRANSFORMER		X	
CT CABINET	X		
PRIMARY WIRE		X	
SECONDARY WIRE	X		
TRANSFORMER LEAD TIME: PLAN TO USE EXISTING TRANSFORMER			
WATER RESPONSIBILITY			
	GENERAL CONTRACTOR	UTILITY PROVIDER	N/A
TAP		X	
DOMESTIC METER		X	
DOMESTIC BFP	X		
IRRIGATION METER		X	
IRRIGATION BFP	X		
HYDRANT		X	
SEWER RESPONSIBILITY			
	GENERAL CONTRACTOR	UTILITY PROVIDER	N/A
TAP		X	
CONNECT TO STUBOUT	X		
INTERNET RESPONSIBILITY			
	GENERAL CONTRACTOR	UTILITY PROVIDER	N/A
INTERNET CABLE		X	
TRENCH	X		
CONDUIT	X		

EXISTING	
	5460 EXISTING MAJOR CONTOUR
	52 EXISTING MINOR CONTOUR
	SD EXISTING STORM SEWER
	SS EXISTING SANITARY SEWER
	W EXISTING WATER
	UE EXISTING UNDERGROUND ELECTRIC
	OHE EXISTING OVERHEAD ELECTRIC
	FO EXISTING FIBER OPTIC
	G EXISTING GAS
	EXISTING STREET LIGHT
	EXISTING TRANSFORMER
	EXISTING ELECTRIC METER
	EXISTING ELECTRIC BOX
	EXISTING FIBER OPTIC BOX
	EXISTING GAS METER
	EXISTING SANITARY SEWER MANHOLE
	EXISTING WATER VALVE
	EXISTING STORM INLET
	EXISTING FIRE HYDRANT
	EXISTING SIGN
	EXISTING BOLLARD
	EXISTING TREE

GENERAL UTILITY NOTES

- ALL BUILDING WATER LINES FROM METER TOWARDS BUILDING SHALL BE SCHEDULE 40 PVC MEETING ASTM D1785 & D2665 SPECIFICATIONS AND SHALL BE RATED FOR USE WITH POTABLE WATER PER NSF ST. 61 WITH 36" MIN. COVER.
- ALL SANITARY SEWER LINES SHALL BE SCHEDULE 40 PVC UNLESS OTHERWISE SPECIFIED BY THE UTILITY COMPANY, PROVIDE 36" MINIMUM COVER.
- CONTRACTOR SHALL COORDINATE ANY DISRUPTIONS TO EXISTING UTILITY SERVICES WITH ADJACENT PROPERTY OWNERS.
- ALL ELECTRIC AND TELEPHONE EXTENSIONS INCLUDING SERVICE LINES SHALL BE CONSTRUCTED TO THE APPROPRIATE UTILITY COMPANY SPECIFICATIONS. ALL UTILITY DISCONNECTIONS SHALL BE COORDINATE WITH THE DESIGNATED UTILITY COMPANIES.
- CONSTRUCTION SHALL NOT START ON ANY PUBLIC UTILITY SYSTEM UNTIL WRITTEN APPROVAL HAS BEEN RECEIVED BY THE ENGINEER FROM THE APPROPRIATE GOVERNING AUTHORITY AND CONTRACTOR HAS BEEN NOTIFIED BY THE ENGINEER.
- PRIOR TO THE CONSTRUCTION OF OR CONNECTION TO ANY STORM DRAIN, SANITARY SEWER, WATER MAIN OR ANY OTHER UTILITIES, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL POINTS OF CONNECTION AND ALL UTILITY CROSSINGS AND INFORM CONSULTING ENGINEER(S) AND THE OWNER/DEVELOPER OF ANY CONFLICT OR REQUIRED DEVIATIONS FROM THE PLAN. NOTIFICATION SHALL BE MADE A MINIMUM OF (72) HOURS PRIOR TO CONSTRUCTION. CONSULTANT AND ITS CLIENTS SHALL BE HELD HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION.
- CONTRACTOR SHALL COMPLY COMPLETELY WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING AND OTHER MEANS OF PROTECTION. THIS IS TO INCLUDE, BUT NOT LIMITED TO ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH PERFORMANCE CRITERIA AS REQUIRED BY OSHA.
- FREEZELESS WATER BIBB TO BE LOCATED ON BUILDING SIDE OF CANOPY COLUMN.
- WATERLINE SERVICE TO DISPENSER ISLAND TO BE 3/4" SCH. 40 PVC.

UTILITY NOTES

- FREEZE-LESS YARD HYDRANT AT PUMP ISLAND (3/4" SCH. 40 PVC)
- POINT OF CONNECTION - CANOPY WATER SERVICE
- POINT OF CONNECTION - WATER SERVICE
- METERED DOMESTIC WATER SERVICE ENTRY PER ARCH. PLANS (SEE SIZES THIS SHEET)
- PROPOSED WATER METER (PER TOOR DETAIL W-1B)
- EXISTING 8" SANITARY SEWER MAIN
- PROPOSED 5'X5' PUBLIC UTILITY EASEMENT
- POINT OF CONNECTION - EXISTING SANITARY SEWER
- SANITARY SEWER SERVICE ENTRY (PER ARCH. PLANS)
- POINT OF CONNECTION FOR UNDERGROUND ELECTRIC SERVICE
- TRANSFORMER
- UNDERGROUND INTERNET SERVICE
- MAINTAIN MIN. 18" VERTICAL SEPARATION
- VERIFY LOCATION AND DEPTH OF EXISTING UTILITY BEFORE CONSTRUCTING PROPOSED UTILITY
- INSTALL (2) PVC SCH. 40 (D2665) SLEEVES 30" BELOW FINAL GRADE UNDER DRIVEWAY. EXTEND SLEEVES 2 FEET BEYOND BACK OF PROPOSED CURB OR EDGE OF PAVEMENT. STAKE BOTH ENDS OF EACH SLEEVE WITH CAPPED VERTICAL PVC PIPE, 12" ABOVE GRADE. DO NOT ALLOW SOIL OR WATER TO ENTER SLEEVES DURING OR AFTER CONSTRUCTION.
- INSTALL (1) PVC SCH. 40 (D2665) SLEEVES 30" BELOW FINAL GRADE UNDER DRIVEWAY FOR IRRIGATION LINE. EXTEND SLEEVES 2 FEET BEYOND BACK OF PROPOSED CURB OR EDGE OF PAVEMENT. STAKE BOTH ENDS OF SLEEVE WITH CAPPED VERTICAL PVC PIPE, 12" ABOVE GRADE. DO NOT ALLOW SOIL OR WATER TO ENTER SLEEVES DURING OR AFTER CONSTRUCTION.

TOWN APPROVAL BLOCK

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

APPROVED BY: By Jirkpatrick on 09/30/2025
APPROVED-CD24-2036 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.

KYLE R. GOODMAN
REGISTERED PROFESSIONAL ENGINEER # 63208

8/22/2025
DATE

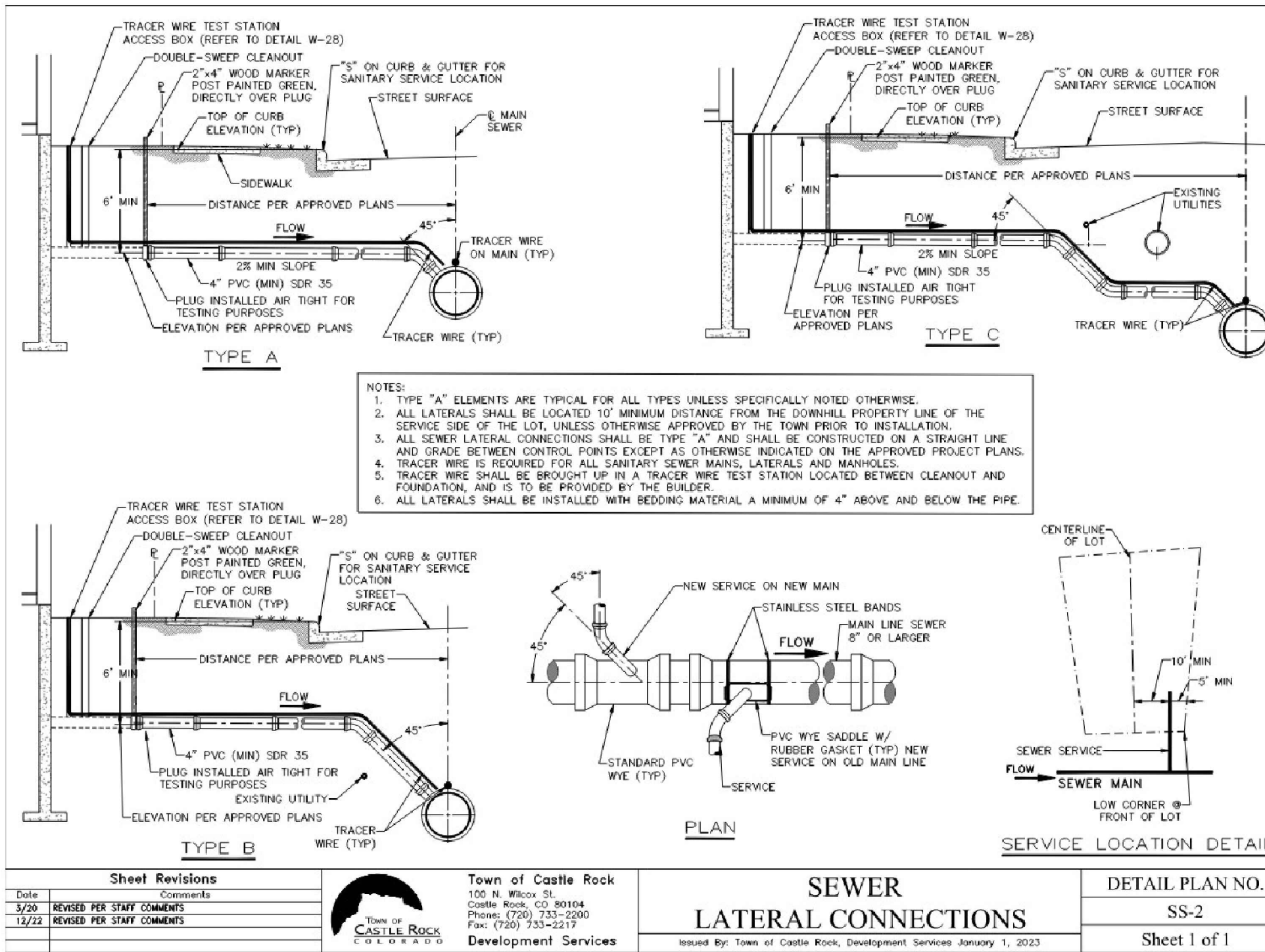
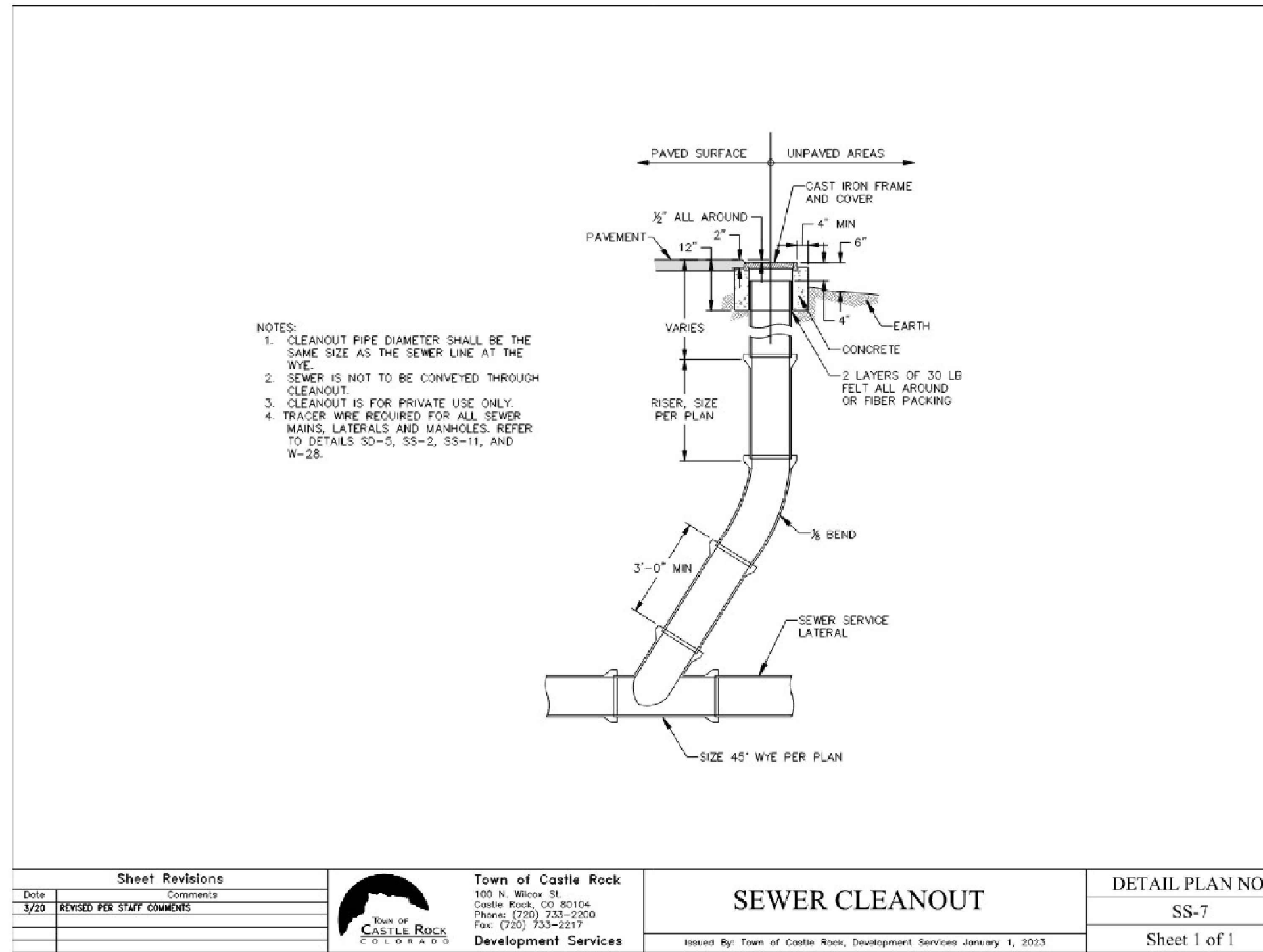
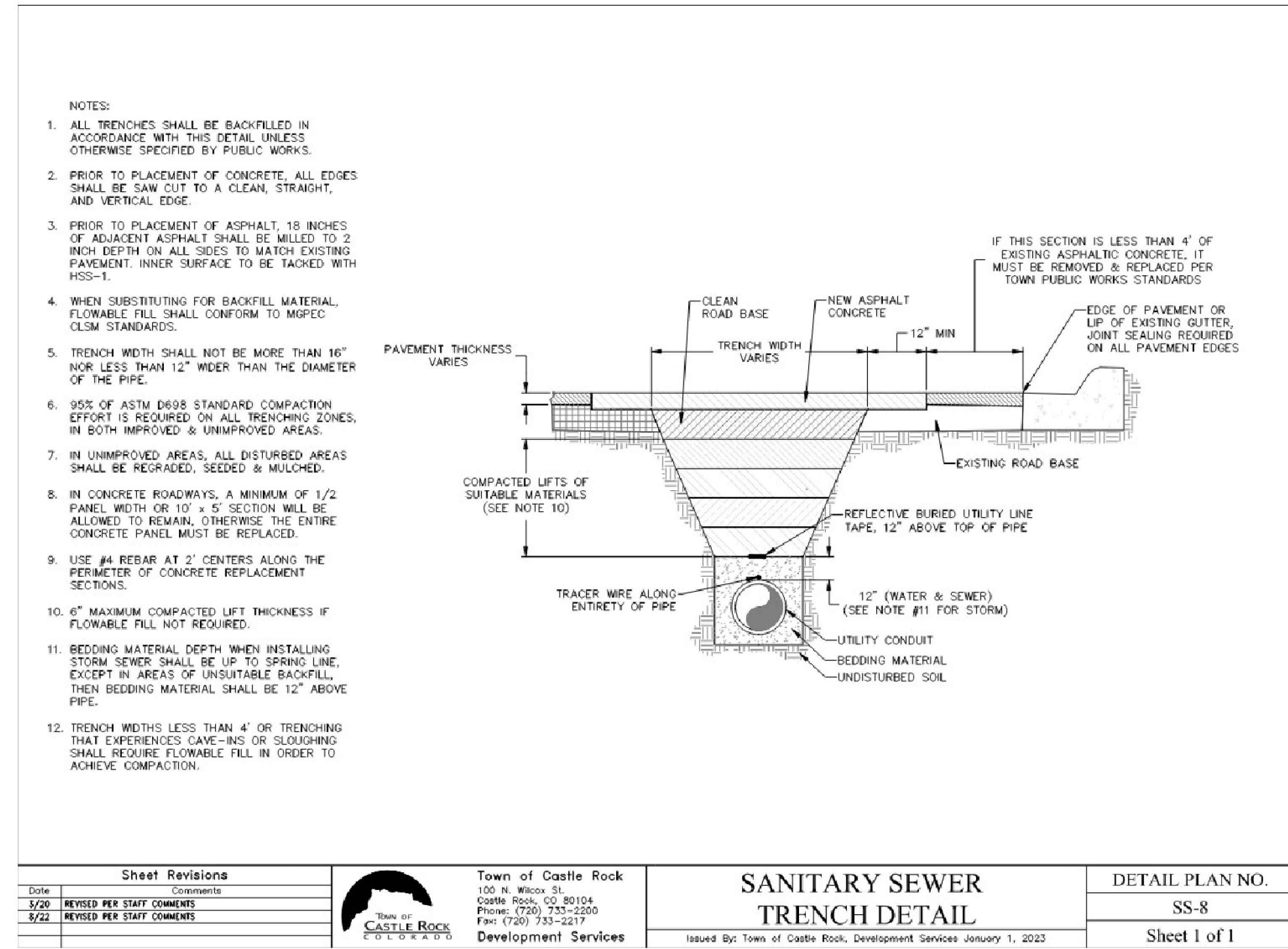
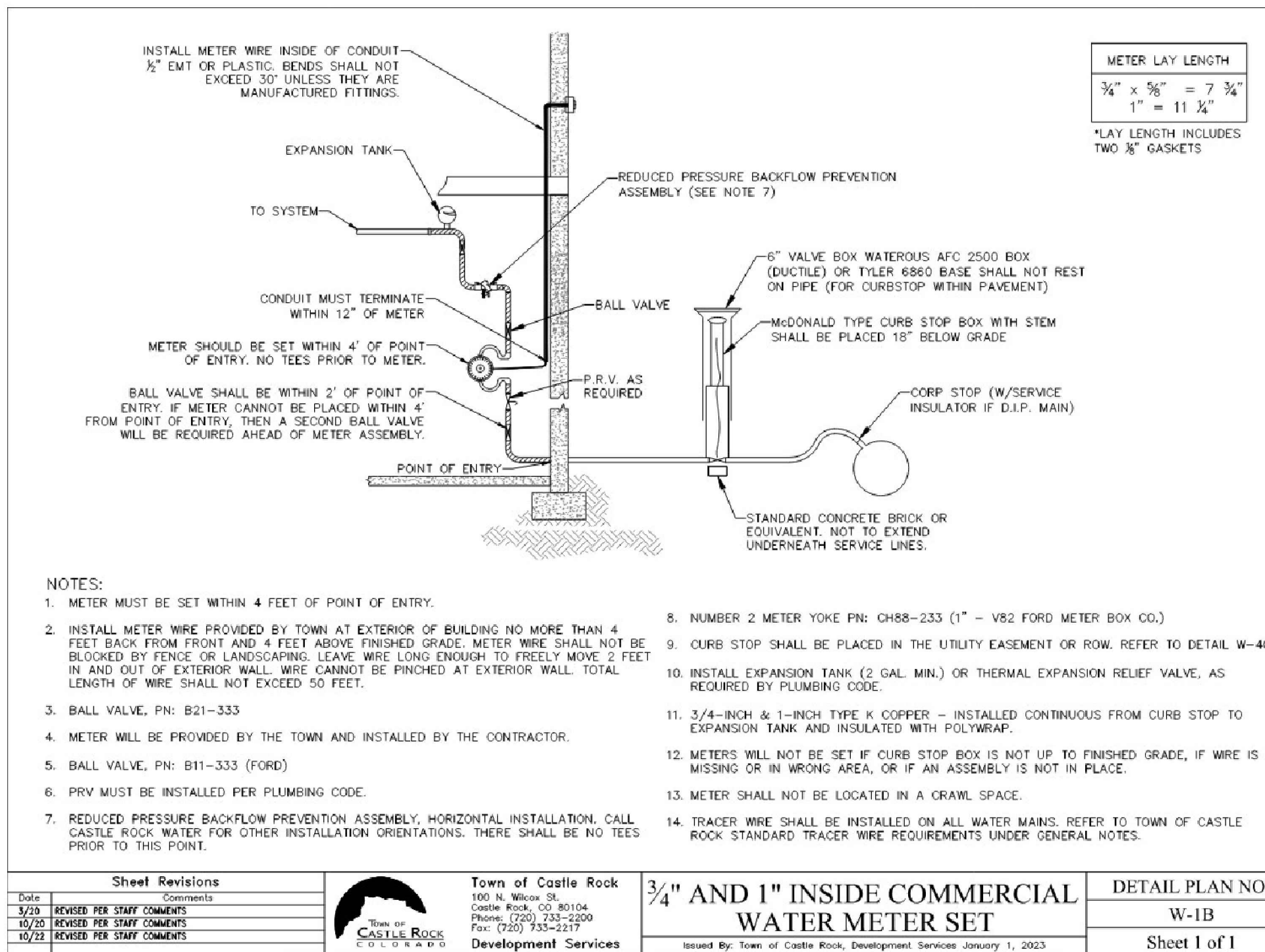
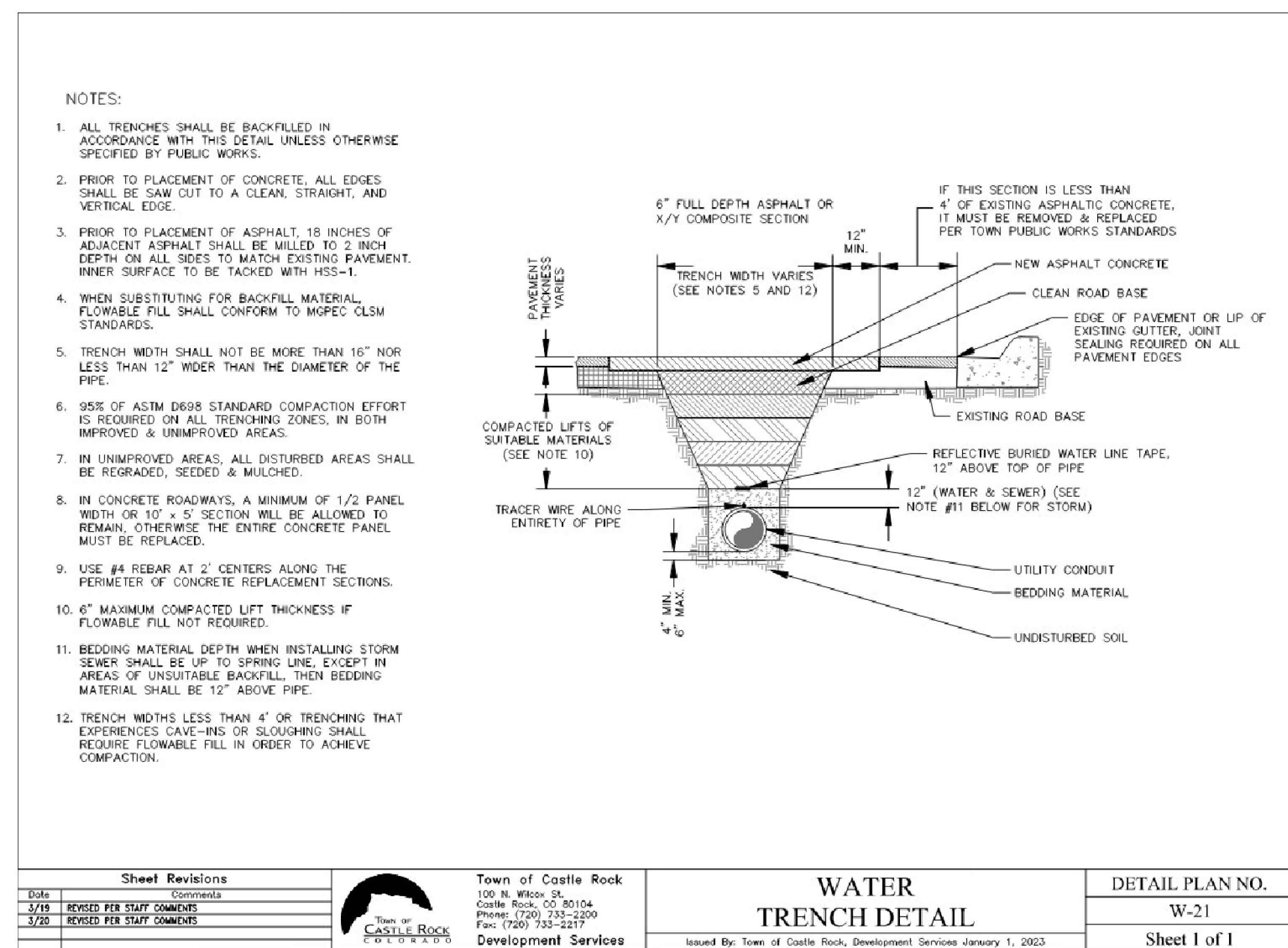
UTILITY PLAN
MURPHY OIL USA (NTI)
186 METZLER DRIVE
CASTLE ROCK COLORADO

Galloway
1185 Kelly Johnson Blvd., Suite 305
Colorado Springs, CO 80920
719.580.7220 kyle.galloway@gmail.com

MURPHY OIL USA, INC.
200 PEACH STREET
EL DORADO, AR 71730

MURPHY USA

SHEET NO. **C-5**
Sheet 5 of 28



TOWN APPROVAL BLOCK

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

APPROVED BY: **APPROVED**
By Kirkpatrick
on 09/30/2025
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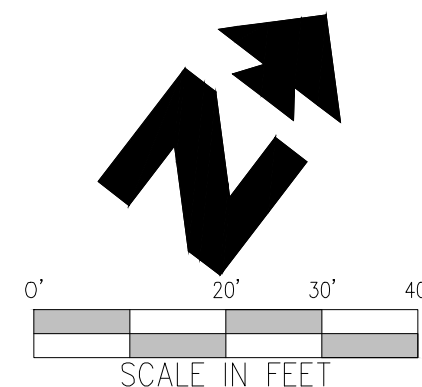
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KYLE R. GOODWIN
REGISTERED PROFESSIONAL ENGINEER # 63208

8/22/2025
DATE



GC IS REFERRED TO GEOTECHNICAL REPORT PREPARED BY UNITED CONSULTING DATED FEBRUARY 2, 2024 FOR SITE PREPARATION CONDITIONS AND PAVEMENT REQUIREMENTS.



REV-#	DATE	PRN	PM	DES	DRW
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PAVING & JOINT PLAN
MURPHY USA (NTI)
186 METZLER DRIVE
CASTLE ROCK COLORADO



Colorado Springs, CO 80920
719.900.7220 Kyle Goodwin, P.E.
GallowayUS.com

MURPHY OIL USA, INC.

200 PEACH STREET
EL DORADO, AR 71730

MURPHY
USA 

SHEET NO.

8-

07/11/2010



8" PCC PAVEMENT

4 BARS #12 @ 12" O.C.E.W.
2" FROM TOP OF CONCRETE
SUPPORTED BY APPROVED DEVICE

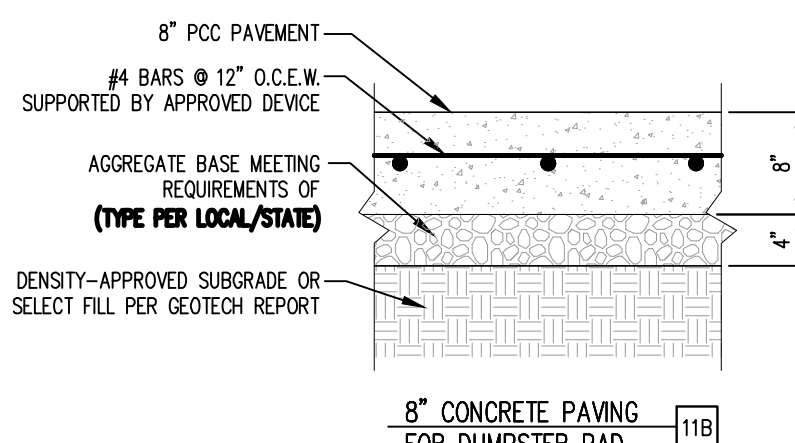
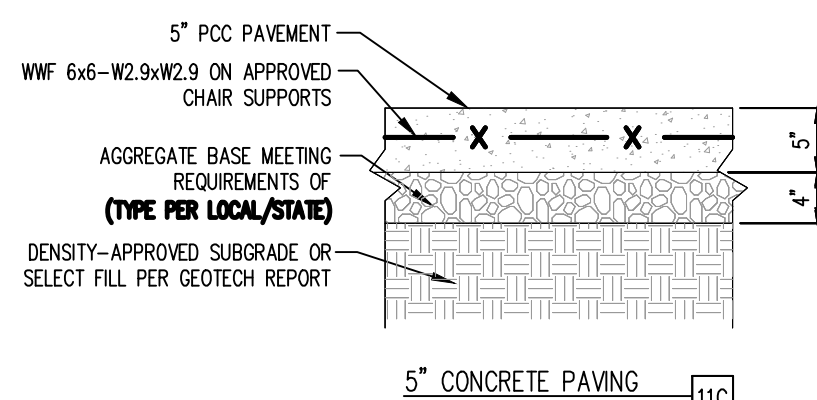
2"

6"

PEA GRAVEL WITH A MIX OF ROUNDED PARTICLE SIZES
BETWEEN $\frac{3}{8}$ " TO $\frac{3}{4}$ ". GRAVEL MUST CONFORM TO ASTM
C-33, SIZES 6, 67, OR 7 WITH NO MORE THAN 5%
PASSING A #8 SIEVE. MATERIAL TO BE WASHED, FREE
FLOWING AND FREE OF ICE, SNOW AND DEBRIS.

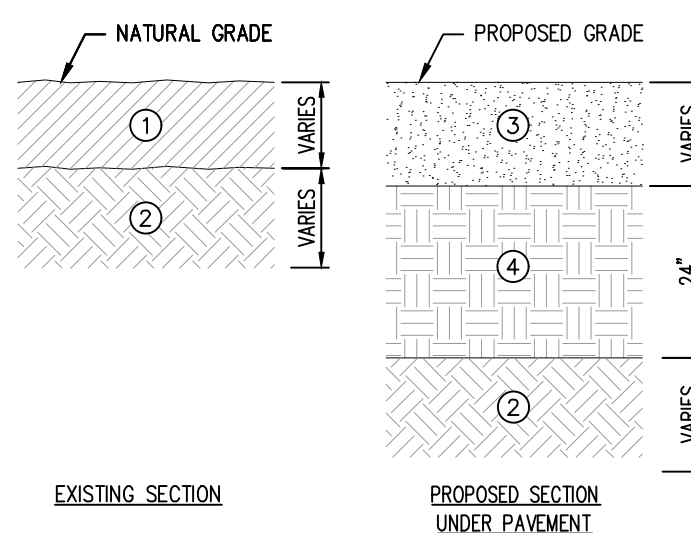
8" CONCRETE PAVING
FOR TANK PIT PAD

11A



CONCRETE PAVING
N.T.S.

N.T.S.	6A
--------	----



TYPICAL EARTHWORK SECTIONS
N.T.S.

-----DJ	DUMMY JOINT (DJ)
-----EJ	EXPANSION JOINT (EJ)
+++++CJ-1	CONSTRUCTION JOINT (CJ-1)
-----PTT	PAVEMENT THICKNESS TRANSITION

A. CONCRETE ON ASPHALT UTILITY CUT REPAIR TO BE DYED TO MATCH SURROUND ASPHALT.

B. UNLESS OTHERWISE SHOWN, CALLED OUT OR SPECIFIED HEREON ALL CURB AND GUTTER ADJACENT TO ASPHALT PAVING SHALL BE INSTALLED PER DETAIL 1A (SEE DETAILS SHEET C-9)

C. SEE ASSOCIATED PLANS FOR CANOPY, COLUMN, DISPENSER ISLAND DETAILS AND LAYOUT.

18D	MATCH EXISTING PAVEMENT ELEVATIONS
21A	TAPER CURB TO MATCH EXISTING CURB
23A	ASPHALT BUTTING JOINT
51B	LIMITS OF SAWCUT AND PAVEMENT REMOVAL

1A	INTEGRAL CONCRETE CURB
3A	AIR/VAC UNIT MOUNTING SLAB
3D	CONCRETE SIDEWALK
3K	CONCRETE SIDEWALK AT BUILDING
5B	ICE BOX MOUNTING SLAB
5C	PROPANE BOX MOUNTING SLAB
5D	ATM MOUNTING SLAB
11A	8" HEAVY DUTY CONCRETE PAVING FOR TANK PAD
11B	8" HEAVY DUTY CONCRETE DUMPSTER PAD
11C	5" CONCRETE PAVING

1. SURFACE COURSE, BASE, AND SUB-GRADE SHALL BE PER GEOTECHNICAL ENGINEER'S RECOMMENDATIONS FOR LOCAL SOILS OR DRAINAGE CONDITIONS AND/OR METHODS.
2. SUBGRADE SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR OR AS SPECIFIED BY THE GEOTECHNICAL REPORT WHICHEVER IS MORE STRINGENT.
3. FOLLOW RECOMMENDATIONS IN GEOTECH REPORT FOR REINFORCEMENT OF CONCRETE SECTIONS.
4. FOLLOW RECOMMENDATIONS IN GEOTECH REPORT FOR PERMANENT UNDERDRAINS IN THE PAVEMENT AREAS.

- A. THIS PLAN IS FOR RELATIVE LAYOUT AND SCOPE OF WORK. PURPOSES: ONLY. REFER TO SITE PLAN FOR THIS RELATIONSHIP OF THESE STRUCTURE TO EXISTING CONDITIONS AND REFERENCE POINTS.
- B. 36" FORM EXPANSION JUNT MATERIAL SHALL SURROUND THE CANOPY COLUMNS, U-BUMPERS, BOLLARDS AND DISPENSER ISLANDS AT GRADE.
- C. DOWNLED JOINTS SHALL BE LOCATED ON 12' CENTERS, ALONG THE INSIDE OF THE MOST EXTERIOR SLABS. DOWNLED SHALL BE SMOOTH TYPE AND INSERTED INTO GREENSTICK STRIPPED DOWN FORM. THE DOWEL IS LOCATED AT MID-SLAB DEPTH AND HELD IN PLACE LINE AND PERPENDICULAR TO THE JOINT USING THE SPEED DOWEL, WHICH REMAINS WITH THE FORM. AFTER THE FORMS ARE STRIPPED, THE DOWELS SHOULD BE CHECKED TO ASSURE FULL INSERTION AND ALIGNMENT IN THE INITIAL SLAB BEFORE POURING THE ADJACENT SLAB. DOWELS OCCURRING UNDER AND PARALLEL TO CONTROL JOINTS SHOULD BE DELETED. SEE TANK-PIPING PLANS FOR ADDITIONAL INFORMATION. USE TANK-PIPING PLANS FOR ADDITIONAL INFORMATION.
- D. TANK SLAB SHALL EXTEND 2'-0" (MIN) BEYOND TANK EDGE IN ALL DIRECTIONS.
- E. CHAMFER CORNER WHEN MEETING ASPHALT PAVING ONLY (24" EACH SIDE). SQUARE CORNERS WHERE MEETING CONCRETE PAVING.
- F. REINFORCE CONCRETE SLAB AROUND MANHOLE WITH 4 #5 REBAR 96" IN LENGTH ON EACH OF FOUR SIDES. PLACE REBAR 6" FROM SIDES OF SKIRT BOX. REINFORCING BARS SHALL BE A MINIMUM OF 2" AND MAX OF 4" FROM TOP OF CONCRETE. BARS SHALL BE SET ON A 45° ANGLE TO TYPICAL REINFORCING SHOWN IN DETAIL 1104.
- G. EXPANSION JOINTS SHALL BE FILLED WITH SIKAFLEX-10-LS (LIMESTONE).

10A TANK MANHOLE REINFORCEMENT (SEE NOTE F ABOVE)

2B	TOOLED CONTROL JOINT
2D	#4 SMOOTH DOWEL BARS @ 24" O.C. (12" LONG)
2F	FOAM ISOLATION JOINT
23A	ASPHALT BUTTING JOINT

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

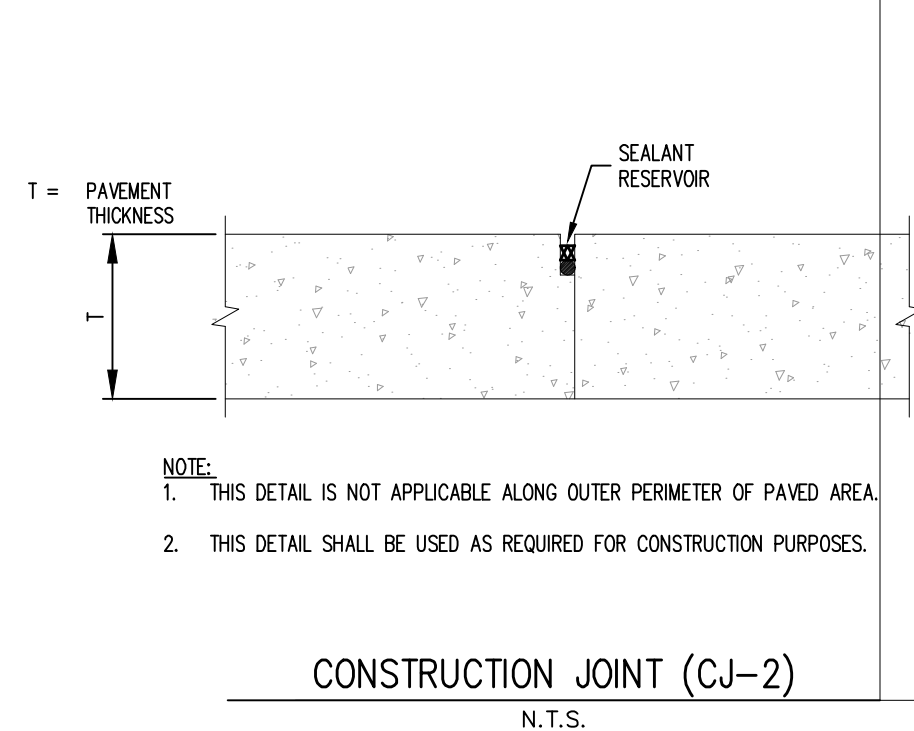
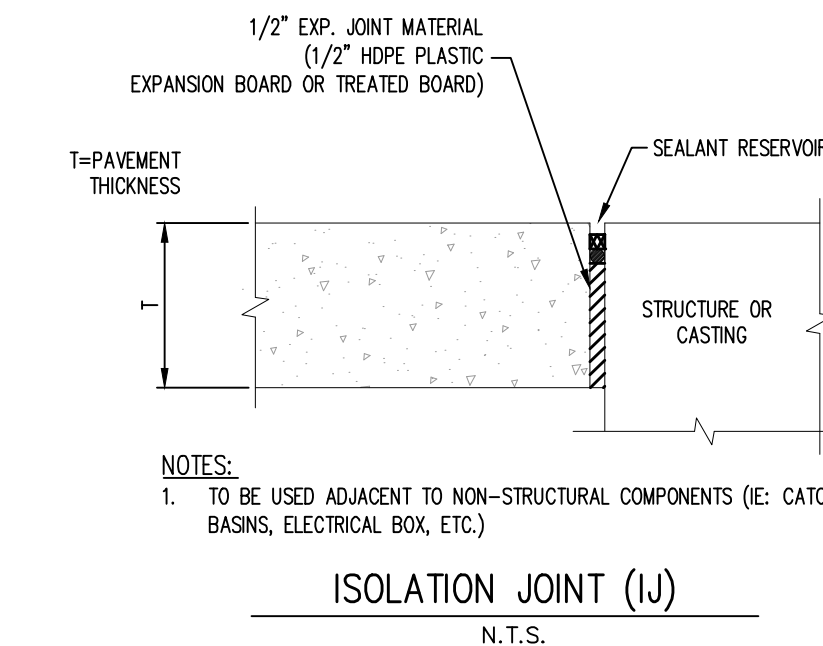
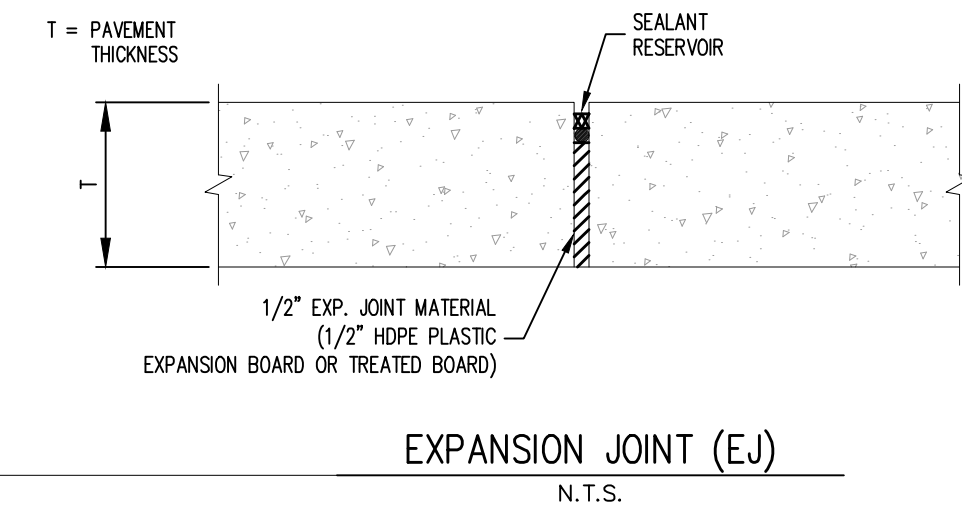
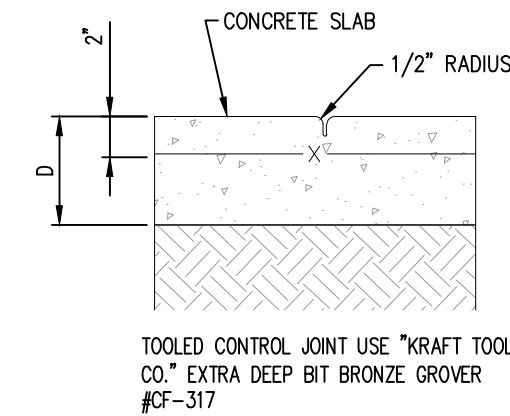
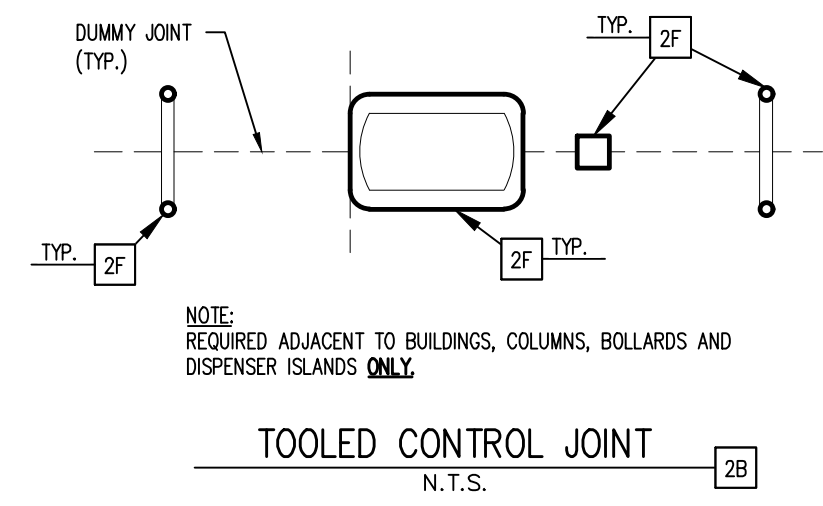
DEVELOPMENT SERVICES
APPROVED
By jkirkpatrick
on 09/30/2025
APPROVED-CD24-0036 Plans.pdf
Record Document on File

DATE _____

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.

KYLE R. GOODWIN
REGISTERED PROFESSIONAL ENGINEER # 63208

8/22/2025
DATE



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

I HEREBY AFFIRM THAT THESE FINAL CONSTRU

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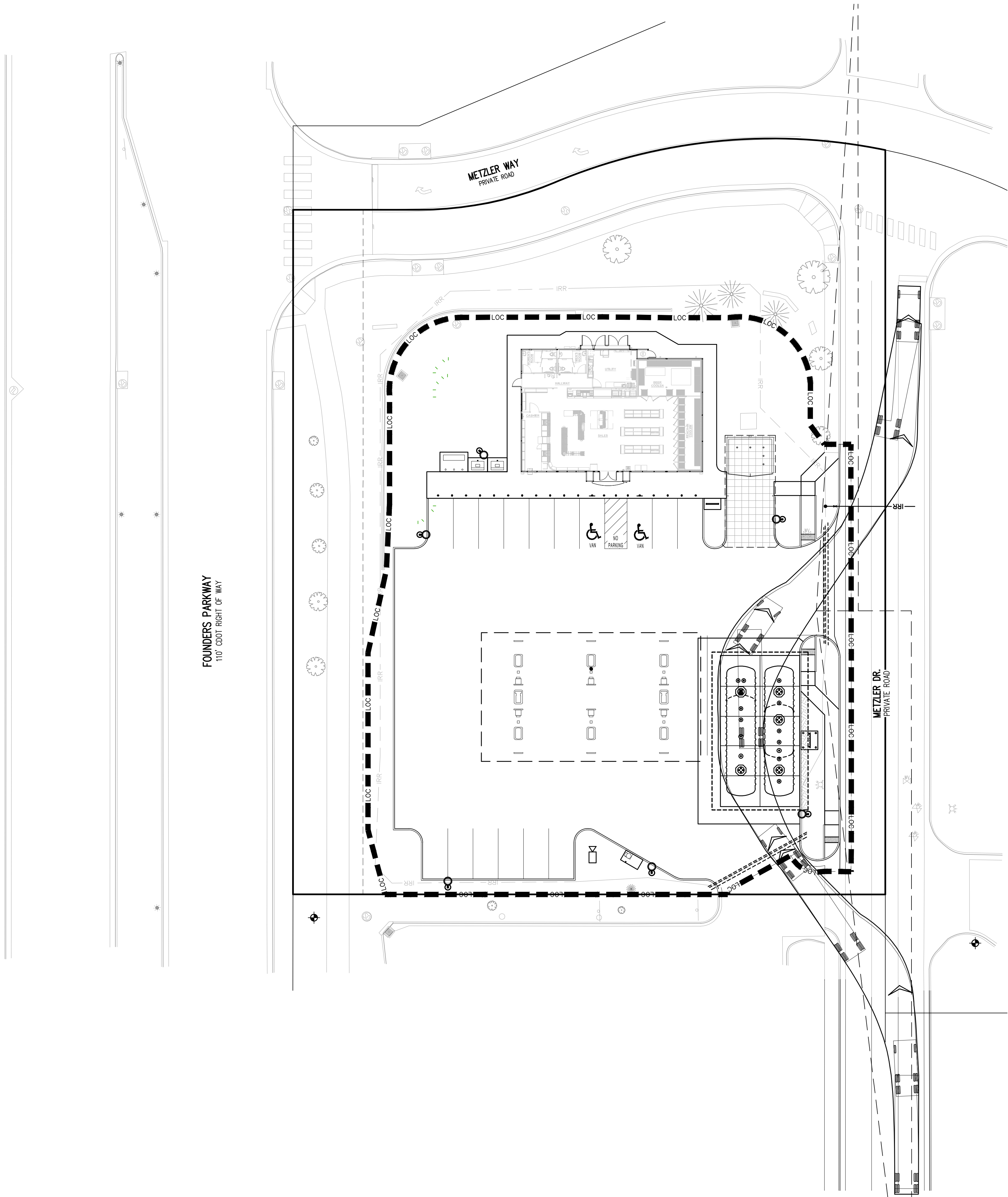
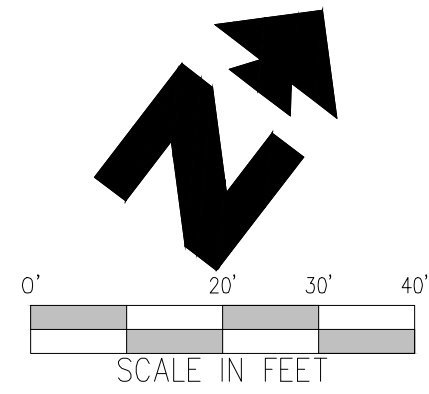
DATE	PRN	PM	DES	ASA	ASA
8/21/2025	MCS89	KRG			

Gallaway
1155 Kelly Johnson Blvd., Suite 305
Colorado Springs, CO 80920
719.590.7220 Kyle Goodwin, P.E.
GallawayUS.com

MURPHY OIL USA, INC.
MURPHY
USA 
 200 PEACH STREET
 EL DORADO, AR 71730

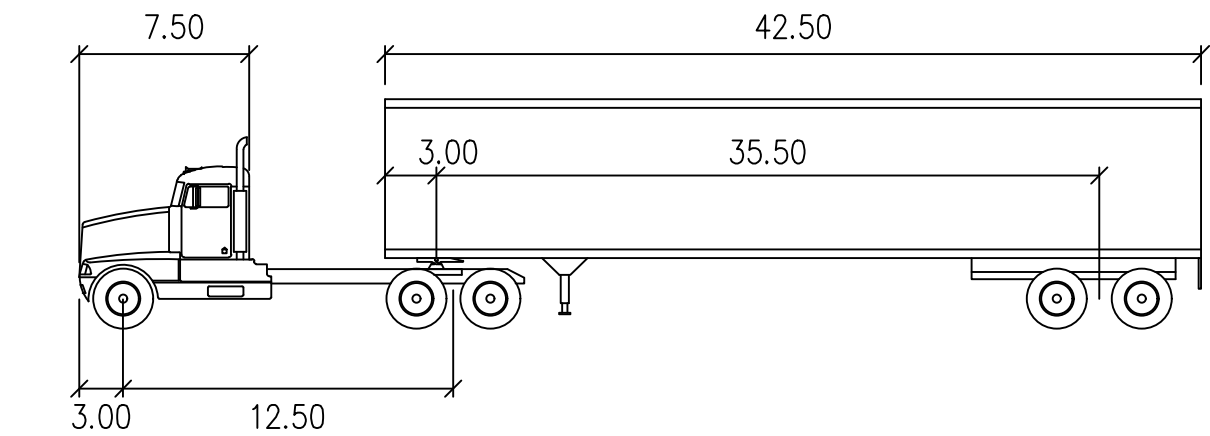
SHEET NO.
C-6.1

Sheet 12 of 28



- EXISTING**
- OHE— EXISTING OVERHEAD ELECTRIC
 - EXISTING STREET LIGHT
 - EXISTING TRANSFORMER
 - EXISTING ELECTRIC METER
 - EXISTING ELECTRIC BOX
 - EXISTING FIBER OPTIC BOX
 - EXISTING GAS METER
 - EXISTING SANITARY SEWER MANHOLE
 - EXISTING WATER VALVE
 - EXISTING STORM INLET
 - EXISTING FIRE HYDRANT
 - EXISTING SIGN
 - EXISTING BOLLARD
 - EXISTING TREE

- PROPOSED**
- BOUNDARY LINE
 - CURB AND GUTTER

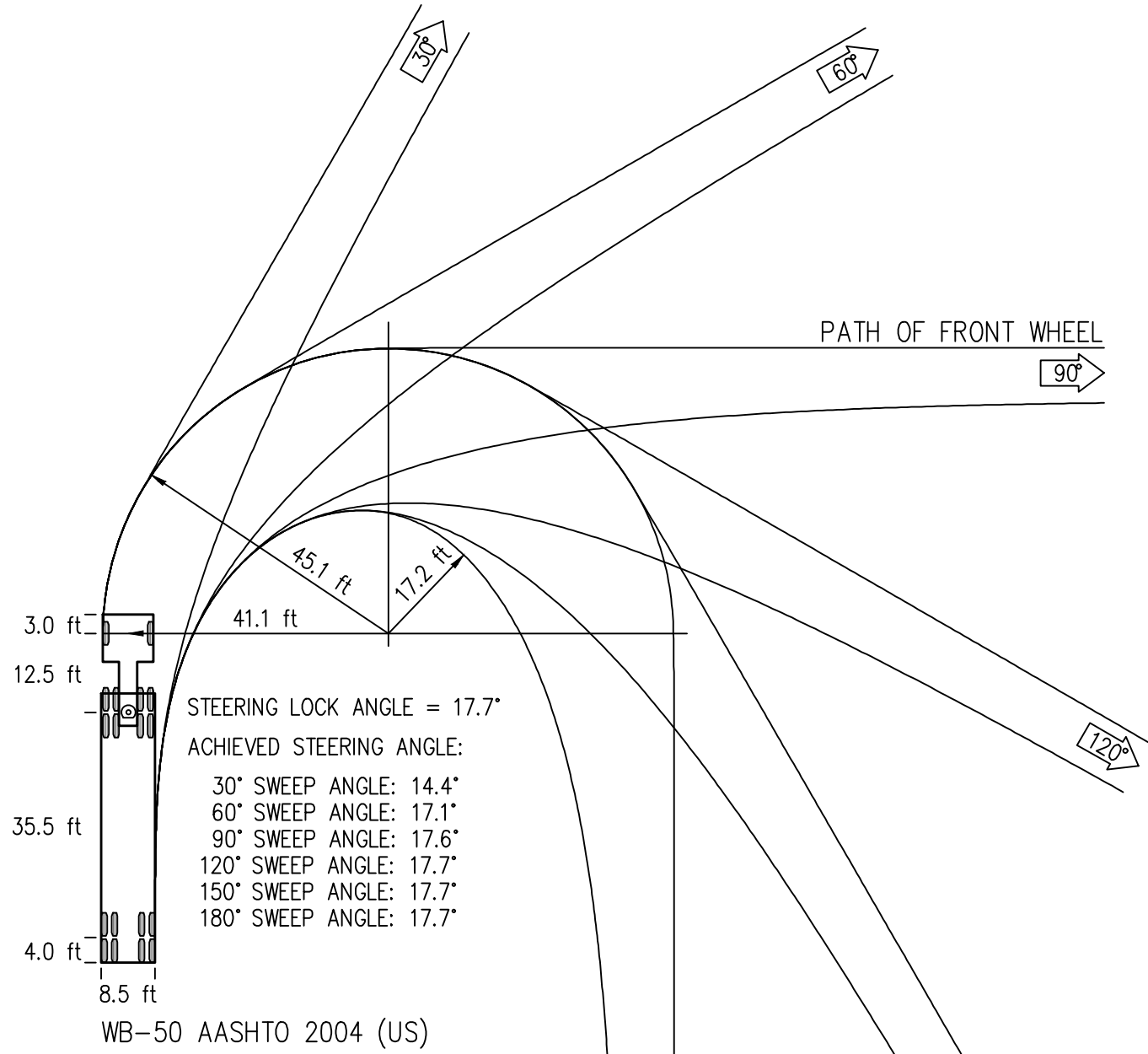


WB-50

feet

TRACTOR WIDTH : 8.00
TRAILER WIDTH : 8.50
TRACTOR TRACK : 8.00
TRAILER TRACK : 8.50

LOCK TO LOCK TIME : 6.0
STEERING ANGLE : 17.7
ARTICULATING ANGLE : 70.0



WB 50 TRUCK
PROFILE

TOWN APPROVAL BLOCK

TOWN OF CASTLE ROCK APPROVAL
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DATE OF DEVELOPMENT SERVICES APPROVAL

APPROVED BY:  **APPROVED**
By jkirkpatrick
on 09/30/2025
APPROVED-CD24-0036 Plans.pdf
Record Document on File

DEVELOPMENT SERVICES DATE

PROFESSIONAL ENGINEER CERTIFICATION

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KYLE R. GOODWIN
REGISTERED PROFESSIONAL ENGINEER # 63208

8/22/2025
DATE

MURPHY OIL USA, INC.
200 PEACH STREET
EL DORADO, AR 71730



SHEET NO.

C-7

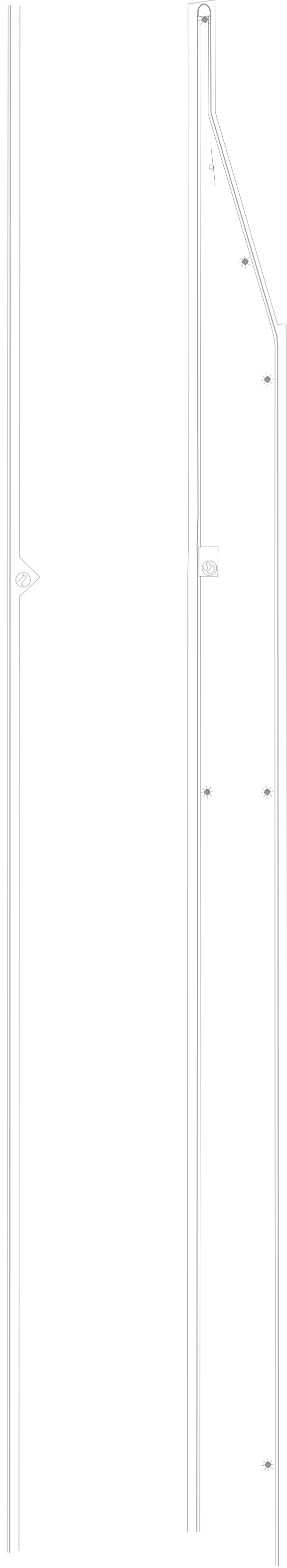
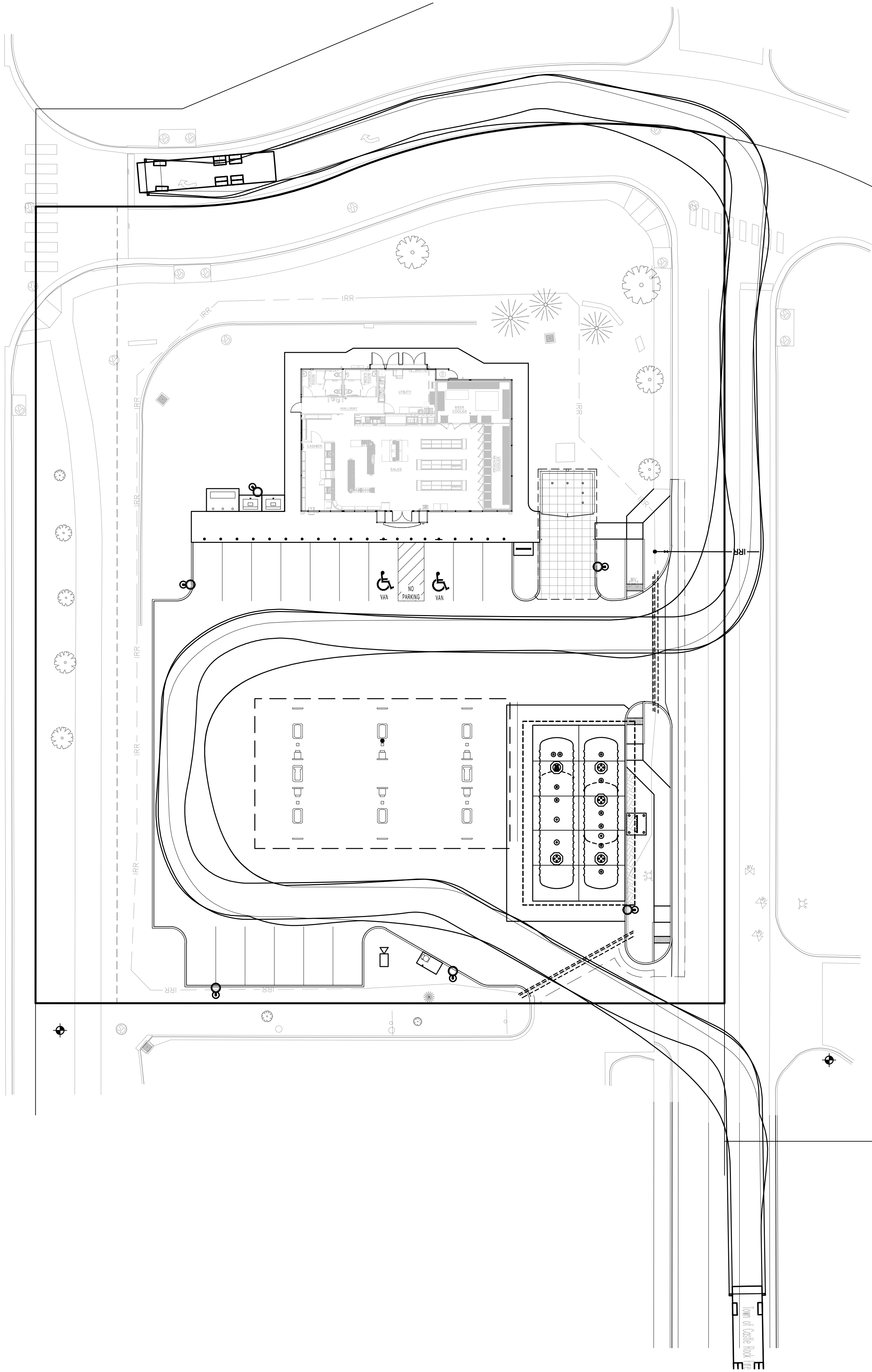
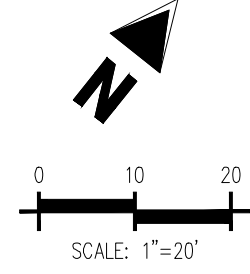
Sheet 13 of 28

Galloway
1155 Kelly Johnson Blvd., Suite 305
Colorado Springs, CO 80920
719.590.7220 Kyle Goodwin, P.E.
GallowayUS.com

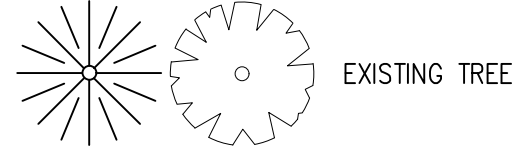
TRUCK TURN EXHIBIT
MURPHY USA (NTI)
186 METZLER DRIVE
CASTLE ROCK COLORADO

REV-# 8/21/2025 MOC89 PRN PM DES ASA DRW

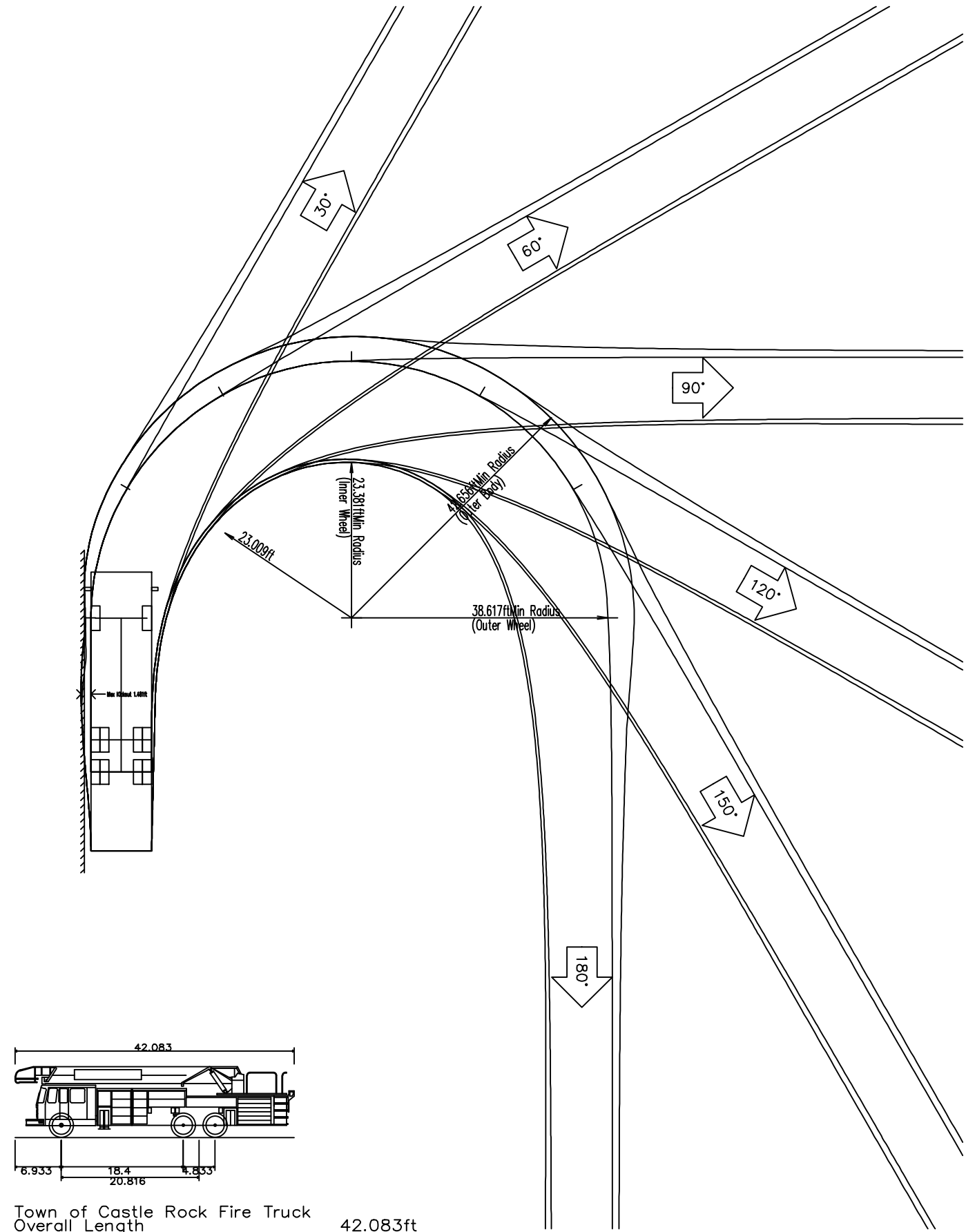
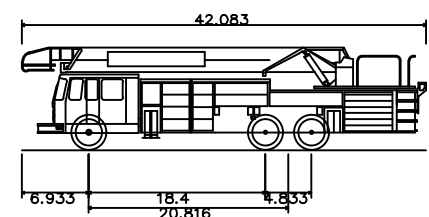




- EXISTING
- OHE— EXISTING OVERHEAD ELECTRIC
 - ☆ EXISTING STREET LIGHT
 - ⊞ EXISTING TRANSFORMER
 - ⊞ EXISTING ELECTRIC METER
 - ⊞ EXISTING ELECTRIC BOX
 - ⊞ EXISTING FIBER OPTIC BOX
 - ⊞ EXISTING GAS METER
 - ⊞ EXISTING SANITARY SEWER MANHOLE
 - ⊞ EXISTING WATER VALVE
 - ⊞ EXISTING STORM INLET
 - ⊞ EXISTING FIRE HYDRANT
 - ⊞ EXISTING SIGN
 - EXISTING BOLLARD



- PROPOSED
- BOUNDARY LINE
 - CURB AND GUTTER



Town of Castle Rock Fire Truck

Overall Length	42.093ft
Overall Width	9.140ft
Overall Body Height	10.650ft
Min. Body Ground Clearance	8.140ft
Track Width	6.000ft
Lock-to-lock time	36.80
Max Steering Angle (Virtual)	36.80

TOWN APPROVAL BLOCK

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

APPROVED BY:  **APPROVED**
By jkirkpatrick
on 09/30/2025
APPROVED-CD24-0036 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.


KYLE R. GOODWIN
REGISTERED PROFESSIONAL ENGINEER # 63208

8/22/2025
DATE

MURPHY OIL USA, INC.

200 PEACH STREET
EL DORADO, AR 71730

MURPHY
USA

SHEET NO.

C-7.1

Sheet 14 of 28

REV-# 8/21/2025 MOC89 PM PRN DATE

ASA ASA KRG ASA ASA

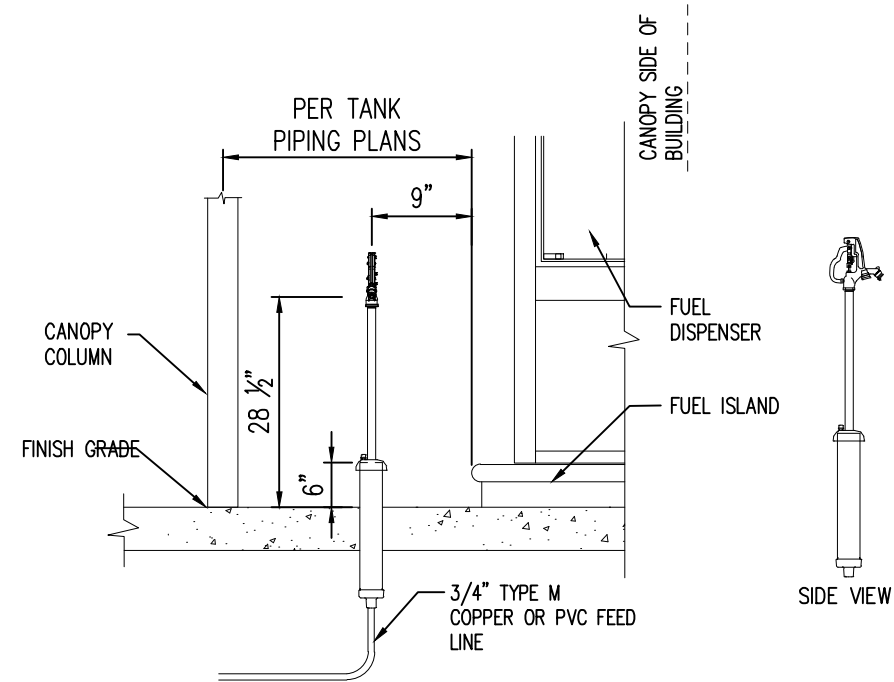
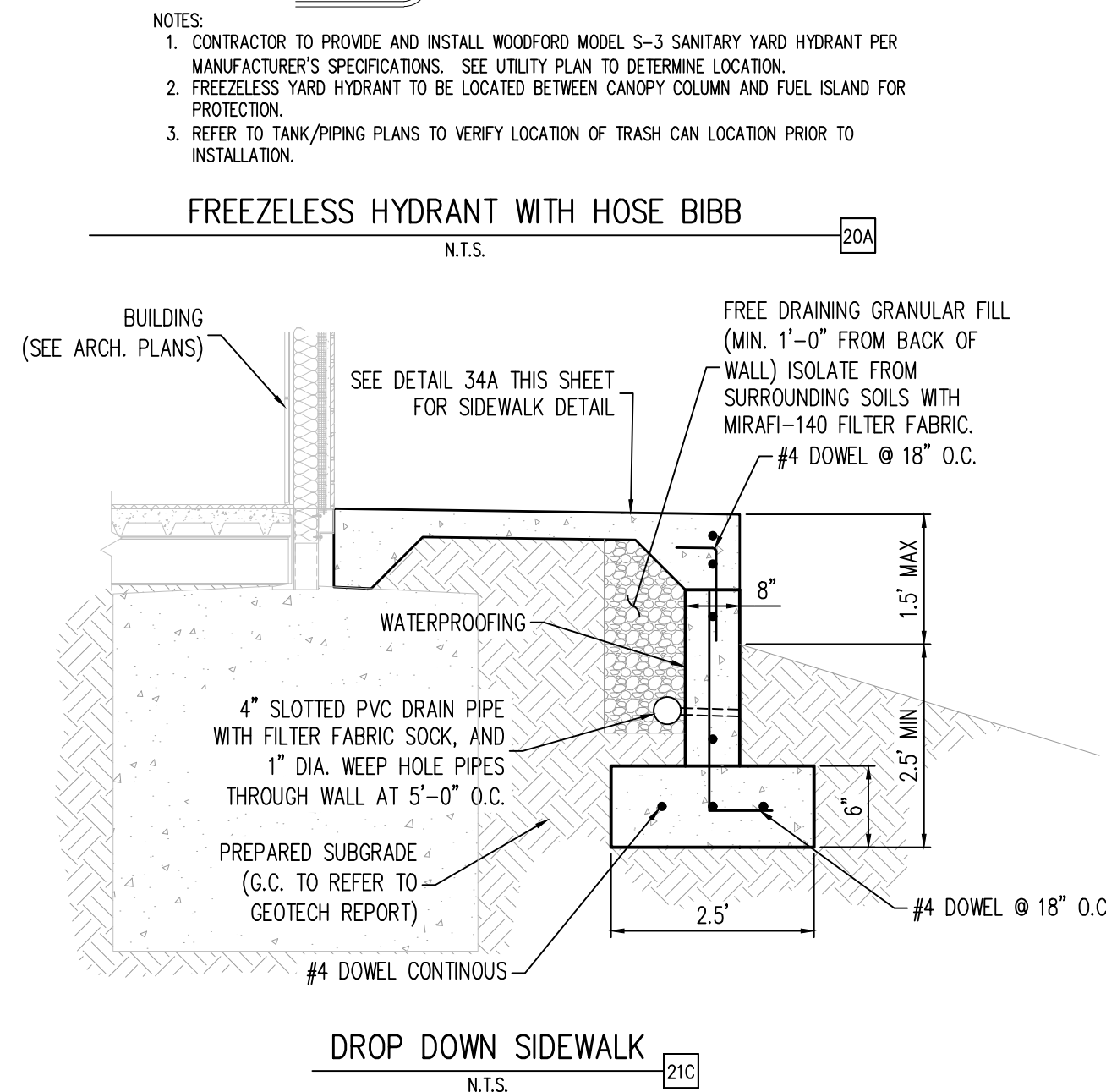
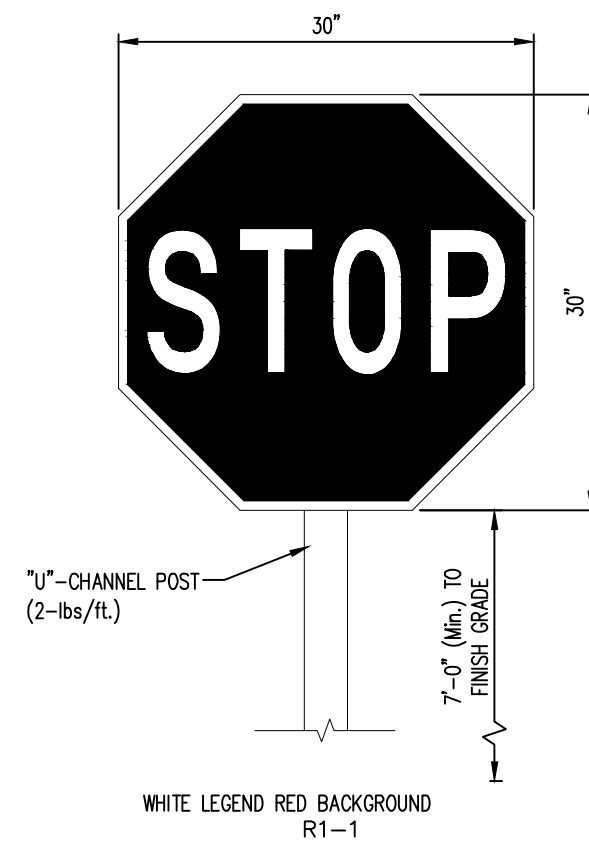
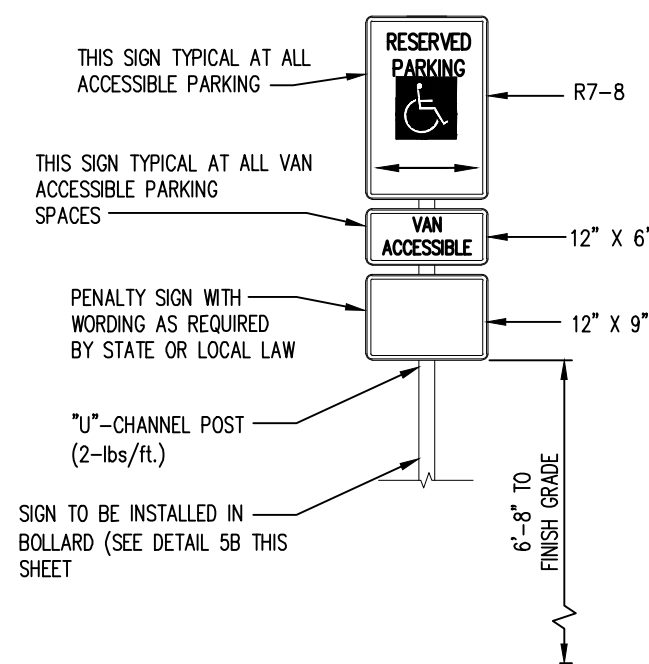
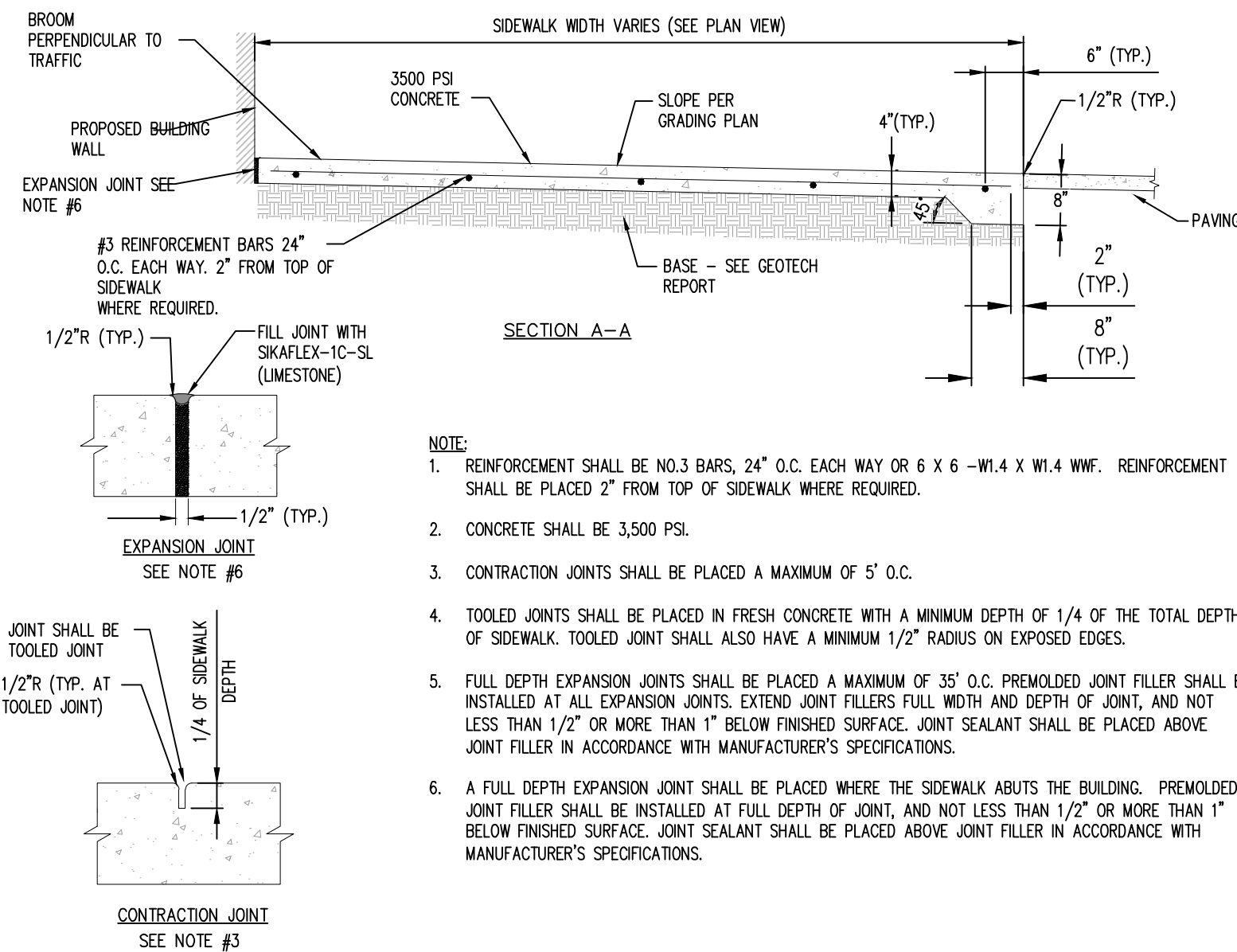
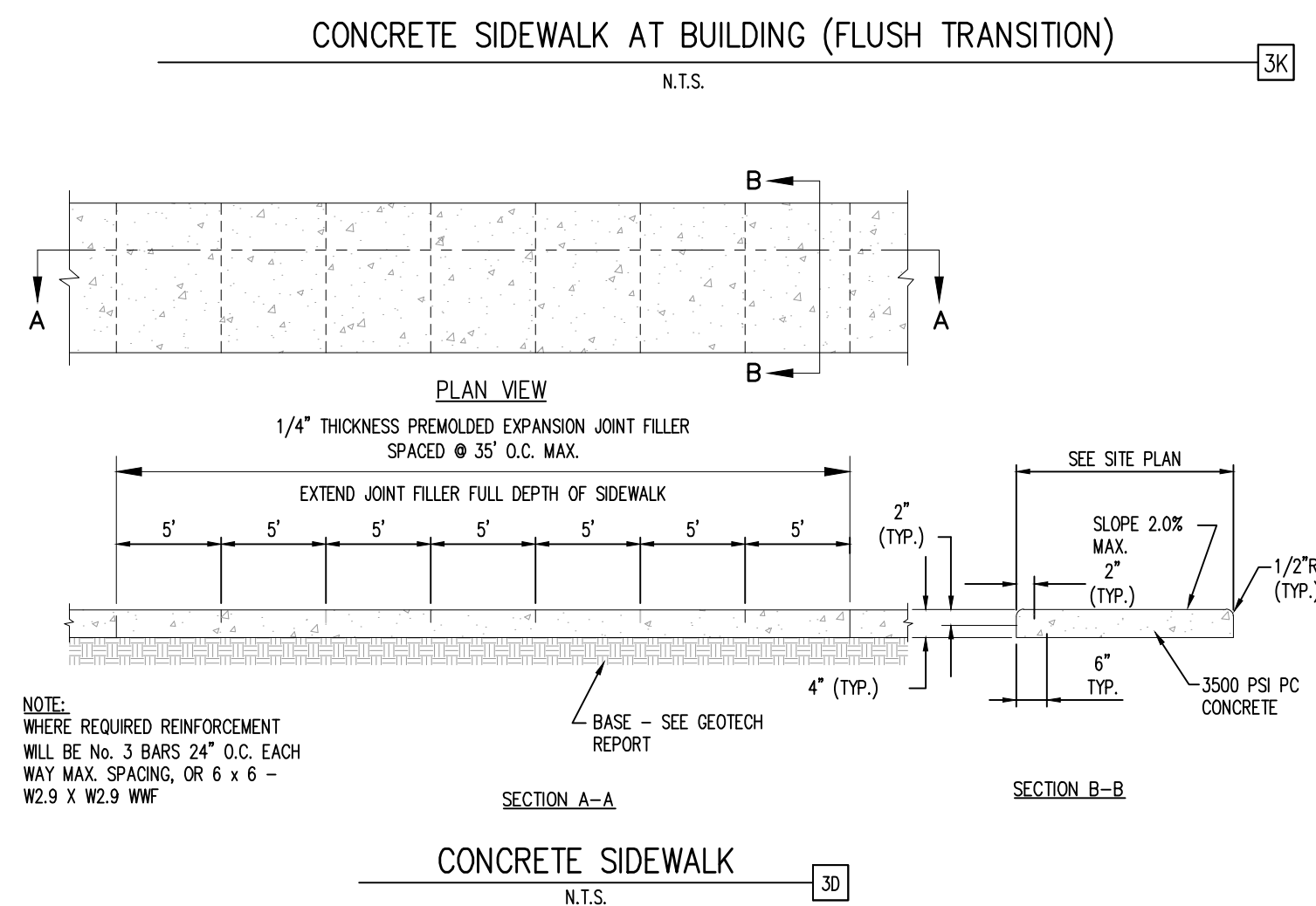
DRW DES PM PRN

FIRE TRUCK TURN EXHIBIT
MURPHY USA (NTI)
186 METZLER DRIVE
CASTLE ROCK COLORADO

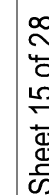
Galloway

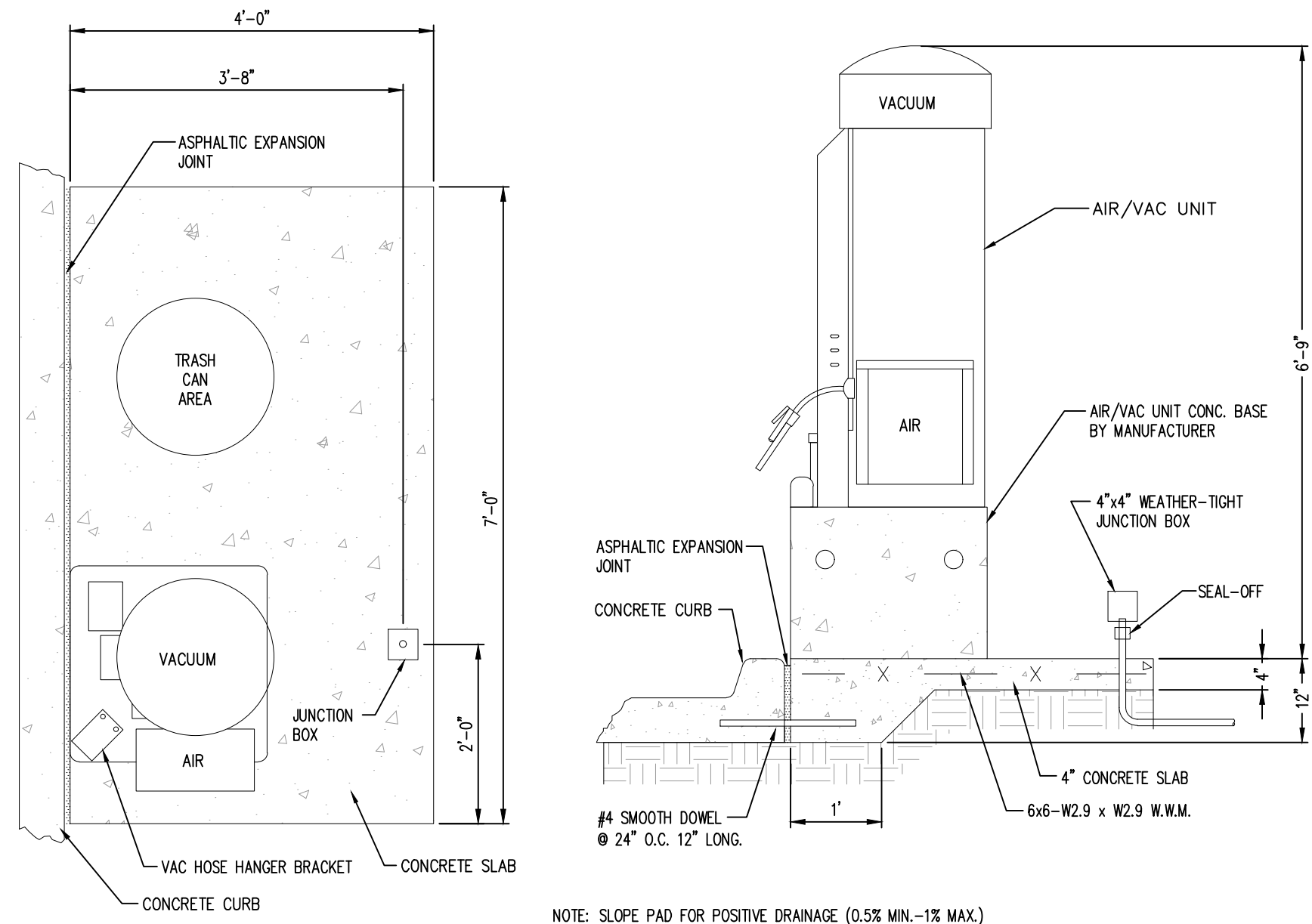
1155 Kelly Johnson Blvd., Suite 305
Colorado Springs, CO 80920
719.590.7220 Kyle Goodwin, P.E.
GallowayUS.com





8/22/2025
DATE



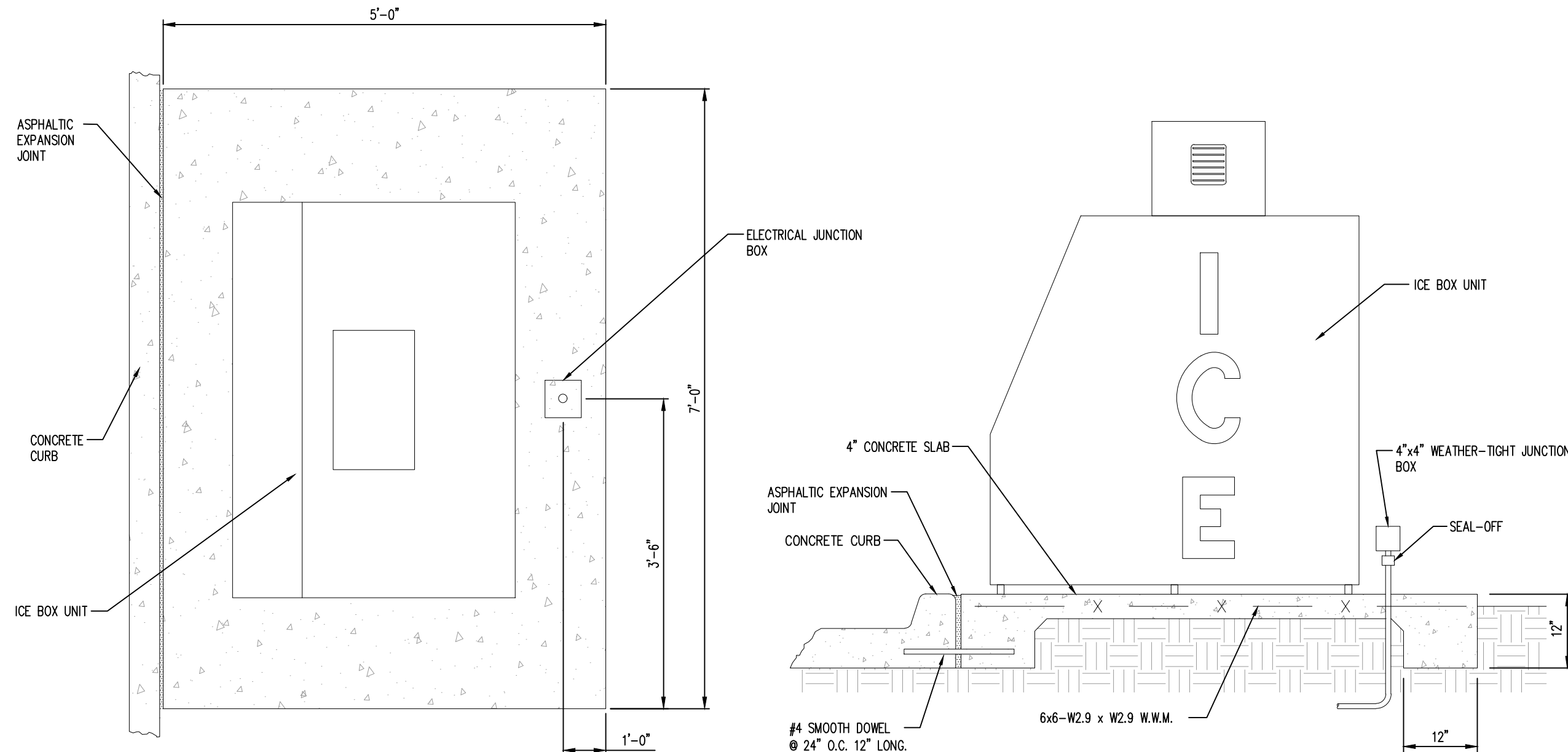


NOTE: SLOPE PAD FOR POSITIVE DRAINAGE (0.5% MIN.-1% MAX.)

AIR/VAC MOUNTING SLAB DETAIL

N.T.S.

21G

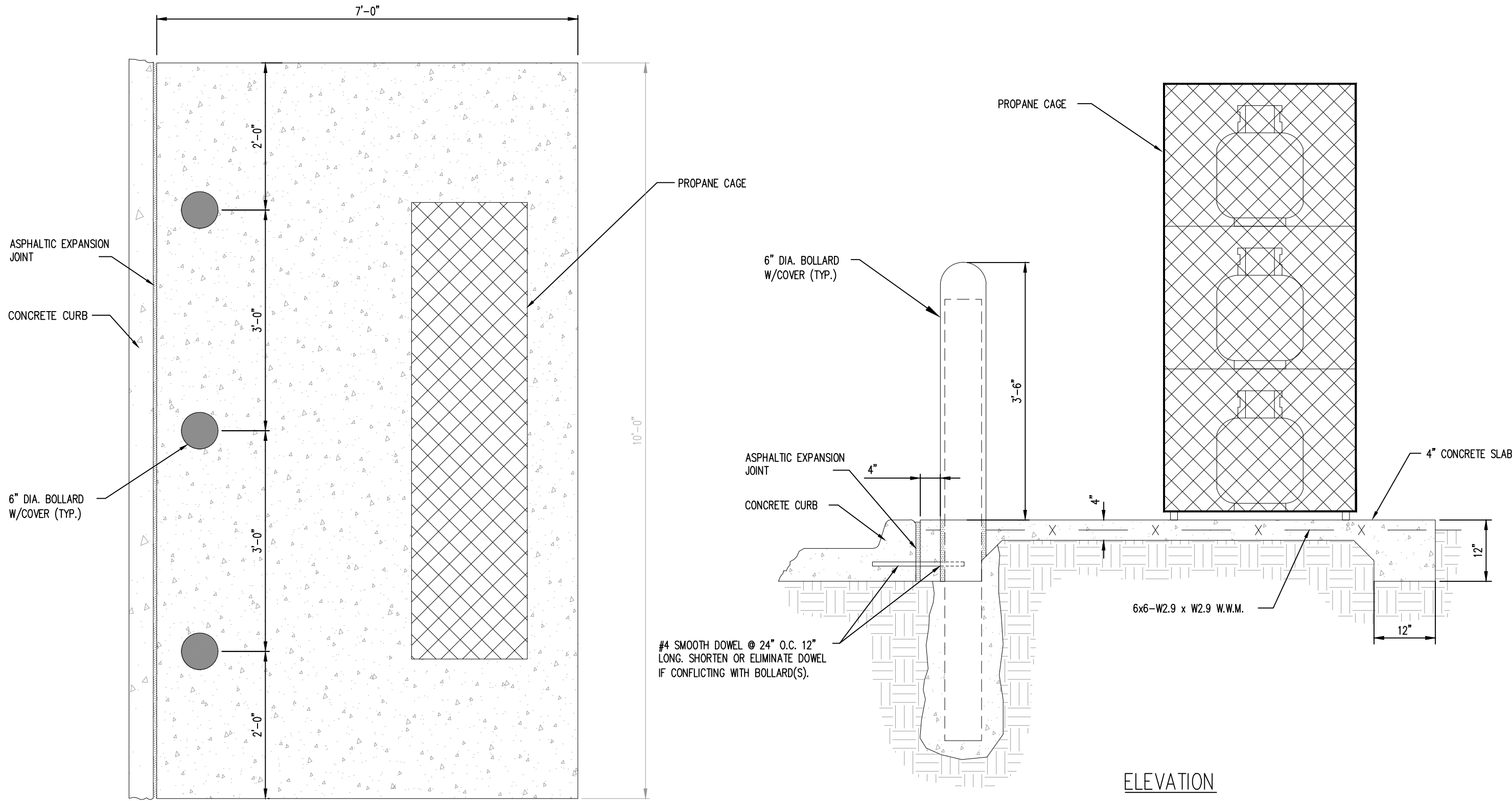


- NOTE:
1. SLOPE PAD FOR POSITIVE DRAINAGE (0.5% MIN.-1% MAX.)
2. SEE SITE PLAN FOR NUMBER OF ICE UNITS.

ICE BOX MOUNTING SLAB DETAIL

N.T.S.

21P

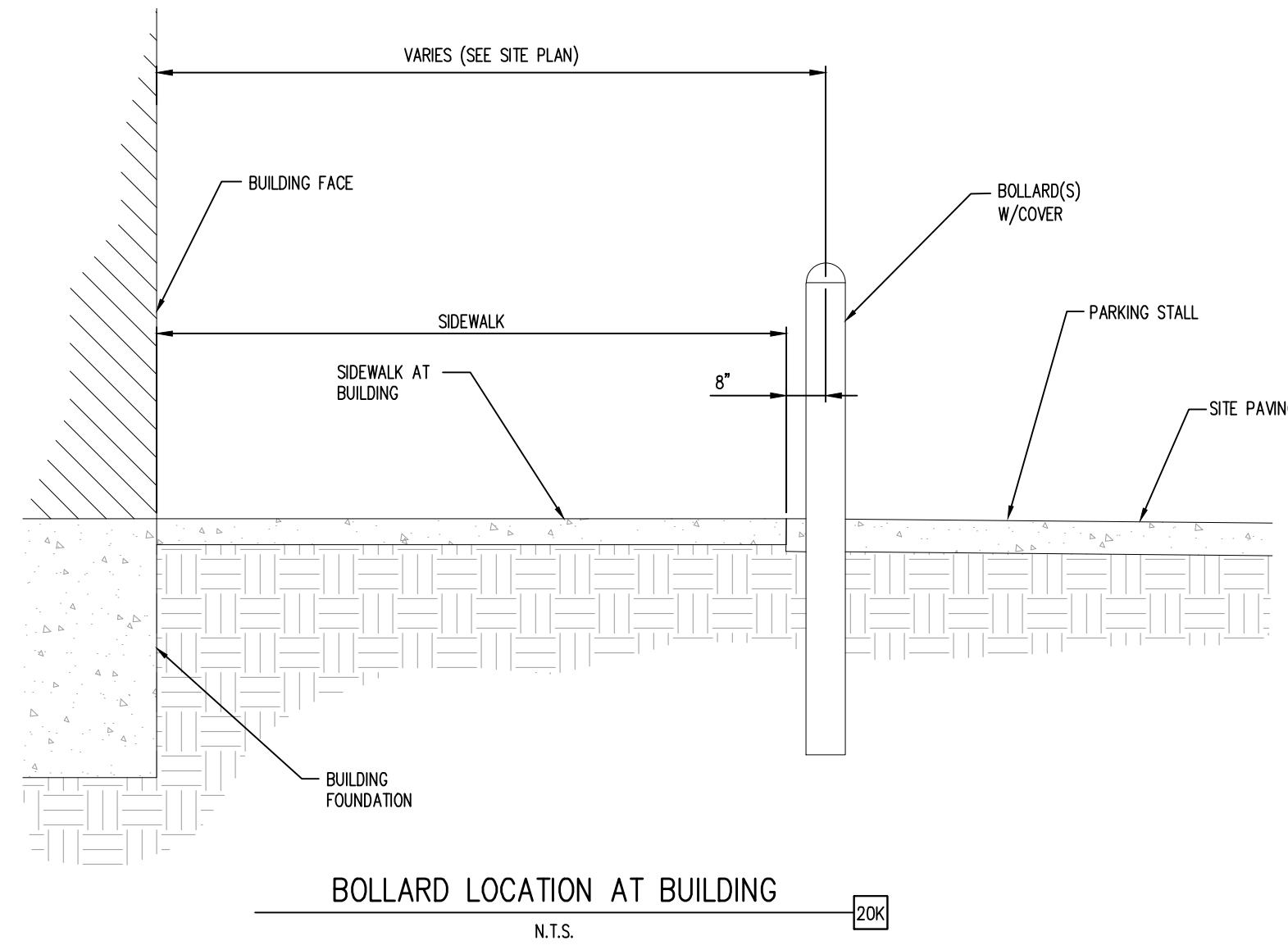


NOTE: SLOPE PAD FOR POSITIVE DRAINAGE (0.5% MIN.-1% MAX.)

PROPANE MOUNTING SLAB DETAIL

N.T.S.

21U



BOLLARD LOCATION AT BUILDING

N.T.S.

20K

TOWN APPROVAL BLOCK

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

DEVELOPMENT SERVICES
APPROVED
By jkirpatrick
on 09/30/2025
APPROVED-CD24-0036 Plans.pdf
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APPROVED BY: **CASTLE ROCK**

DEVELOPMENT SERVICES DATE

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8/22/2025
DATE

MURPHY OIL USA, INC.

200 PEACH STREET
EL DORADO, AR 71730

MURPHY
USA

SHEET NO.

C-9

Sheet 16 of 28

Galloway

1155 Kelly Johnson Blvd., Suite 305
Colorado Springs, CO 80920
719.590.7220 Kyle Goodwin, P.E.
GallowayUS.com

REV-#

8/21/2025

DATE

MO

PRN

PM

DES

ASA

DRW

SITE DETAILS
MURPHY USA (NTI)
186 METZLER DRIVE
CASTLE ROCK COLORADO



CONCRETE SPECIFICATIONS

- A. CEMENT
1. PROVIDE AN APPROVED STANDARD BRAND PORTLAND CEMENT CONFORMING TO ASTM C 150.
 2. PROVIDE TYPE I NORMAL STRENGTH OR TYPE III HIGH EARLY STRENGTH.
- B. AIR ENTRAINMENT
1. PROVIDE AN APPROVED STANDARD BRAND TYPE A ADMIXTURE CONFORMING TO ASTM C 494.
 2. PROVIDE AIR ENTRAINED CONCRETE FOR ALL EXPOSED CONCRETE TO BE FINISHED INCLUDING FOUNDATIONS, WALKS, PAVEMENTS, AND RETAINING WALLS.
 1. AIR ENTRAINED IS TO BE A MINIMUM OF FIVE PERCENT (5%) AND MAXIMUM OF SEVEN PERCENT (7%) BY VOLUME. EVALUATE CONCRETE TEMPERATURE TO DETERMINE DOSAGE OF AIR ENTRAINING ADMIXTURE.
 2. MEASURE THE AIR CONTENT AT THE POINT OF DISCHARGE INTO FORMS OR AT TRUCK.
- C. FINE AGGREGATES
1. PROVIDE FINE AGGREGATES CONFORMING TO ASTM C 33 CONSISTING OF NATURAL SAND HAVING CLEAN, HARD, STRONG, DURABLE, UNCOATED GRAINS, FREE OF INJURIOUS AMOUNTS OF DUST, LUMPS, SOFT OR FLAKY PARTICLES, SHALE, ALKALI, ORGANIC MATTER, OR OTHER DELETERIOUS SUBSTANCES.
 2. FINE AGGREGATES RANGE PASSING THROUGH A NO. 100 SIEVE (0% TO 7%).
 3. IN ADDITION NOT MORE THAN 45 PERCENT IS TO BE RETAINED BETWEEN ANY TWO CONSECUTIVE SIEVES.
- D. COARSE AGGREGATES
1. PROVIDE COARSE AGGREGATES CONFORMING TO ASTM C 33 CONSISTING OF CRUSHED STONE OR WASHED GRAVEL HAVING A CLEAN, HARD, STRONG, DURABLE, UNCOATED, PARTICLE FREE FROM INJURIOUS AMOUNTS OF SOFT OR FLAKY PIECES, ALKALI, ORGANIC MATTER, OR OTHER DELETERIOUS SUBSTANCES.
 2. PROVIDE COARSE AGGREGATE WITH A MAXIMUM OF 1-1/2 INCHES, WITH A MINIMUM OF 95 PERCENT PASSING A 1-1/2 INCH SIEVE.
 3. NOT MORE THAN TEN PERCENT (10%) IS TO PASS A NO. 4 SIEVE.
- E. WATER
1. USE CLEAN WATER FREE OF INJURIOUS AMOUNTS OF OILS, ACIDS, ALKALI, SILTS, ORGANIC MATERIALS, OR OTHER SUBSTANCES THAT MAY BE DELETERIOUS TO CONCRETE OR STEEL.
- F. CONCRETE MIX DESIGN
1. REQUIRE BATCH TICKETS TO BE FURNISHED UPON DELIVERY OF THE CONCRETE TO ENSURE CONCRETE MEETS THE SPECIFICATION. CONTRACTOR TO PROVIDE PLANT BATCH CERTIFICATIONS TO OWNER'S FIELD REPRESENTATIVE.
 2. PROVIDE CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS (3,000 PSI FOR FOOTINGS/RETAINING WALLS) WITH A MINIMUM OF SIX BAGS (564 LBS.) OF CEMENT IN EACH CUBIC YARD OF CONCRETE CONFORMING TO ASTM C 94.
 3. DO NOT EXCEED THE MAXIMUM WATER CEMENT RATIO OF 0.53.
 4. PROVIDE CONCRETE WITH A FOUR INCH DESIGN SLUMP WHEN TESTED WITH A STANDARD SLUMP CONE CONFORMING TO ASTM C 143. SLUMP SHALL BE 3"-5".
 - a) IF CONCRETE DEVELOPS CONSISTENCY OF DIFFICULT WORKABILITY, THEN A SUPER PLASTICIZER ADMIXTURE MAY BE USED WHEN APPROVED BY OWNER.
 - b) DO NOT ADD WATER TO INCREASE SLUMP/EXCEED WATER CEMENT RATIO.
 5. CALCIUM CHLORIDE SHALL NOT BE USED.
 6. FLY ASH SHALL NOT EXCEED CEMENT QUANTITY BY MORE THAN 15% BY WEIGHT
- G. PLACING CONCRETE
1. MIX AND PLACE CONCRETE FOLLOWING ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE".
 2. SCHEDULE POUR THAT ONCE STARTED REMAINS A CONTINUOUS OPERATION UNTIL THE PARTICULAR SECTION OR PANEL HAS BEEN COMPLETED.
 3. PROVIDE CONSTRUCTION JOINT TYPE/LOCATION AS INDICATED ON PAVING PLAN.
 4. DEPOSIT CONCRETE INTO THE FINAL POSITION AT THE SPECIFIED SLUMPS WITHOUT SEGREGATION BY RE-HANDLING OR FLOWING.
 - a) DEPOSIT CONCRETE AT A RATE THAT CONCRETE REMAINS PLASTIC AND FLOWABLE INTO THE SPACES BETWEEN THE REINFORCING BARS.
 - b) DO NOT DEPOSIT FRESH CONCRETE ON CONCRETE THAT HAS HARDENED SUFFICIENTLY TO CAUSE FORMATION OF SEAMS OR PLANES OF WEAKNESS WITHIN THE SECTION OR PANEL.
 - c) DO NOT DEPOSIT PARTIALLY HARDENED CONCRETE OR CONCRETE THAT HAS BEEN CONTAMINATED BY FOREIGN MATERIALS.
 - d) DO NOT RE-TEMPER CONCRETE.
 5. **THOROUGHLY SCREED AND COMPACT CONCRETE BY MEANS OF MECHANICAL VIBRATORY POWER SCREED.** SUPERVISED BY EXPERIENCED PERSONNEL ON ALL FLATWORK.
 - a) PROVIDE SUFFICIENT VIBRATION INTENSITY TO CAUSE FLOW OR SETTLEMENT AROUND REINFORCEMENT, EMBEDDED ITEMS, AND CORNERS OF THE FORMS; BUT NOT LONG ENOUGH TO CAUSE SEGREGATION OF THE MIX.
 - b) SUPPLEMENT MECHANICAL VIBRATION BY HAND SPADING IN CORNERS AND ANGLES OF THE FORMS AND ALONG FORM SURFACES WHILE THE CONCRETE IS PLASTIC TO ENSURE EVEN DENSE SURFACES FREE FROM AGGREGATE POCKETS OR HONEYCOMBS.
 6. PROTECT CONCRETE FROM EXCESSIVE HEAT AND PREMATURE DRYING BY THE USE OF KRAFT PAPER AND WATER MIST WHEN SITE CONDITIONS DEMAND.
 7. COAT CONCRETE IMMEDIATELY AFTER FINISHING IS COMPLETE USING THE SPECIFIED CURATIVE AGENTS NO LONGER THAN 30 MINUTES FOLLOWING FINISHING IF EVAPORATION IS OCCURRING.
 - a) **CURING COMPOUND SHALL BE SAFECURE 1000 (WHITE PIGMENTED) BY CHEMISTERS APPLIED PER MANUFACTURER'S SPECIFICATIONS.**
 8. IF SAW CUTTING IS EMPLOYED, IT MUST OCCUR WITHIN 6 HOURS AFTER INITIAL SET.
 - a) SPALLING DUE TO SAW CUTTING ACTIONS MAY RESULT IN REJECTION OF THE CONCRETE WORK.
 9. PROTECT CONCRETE AREA STRUCTURALLY FROM WINDY CONDITIONS UNTIL PROPERLY CURED.
 10. **FINISH SHALL BE LIGHT BROOM.**
- H. FINISH
1. PAVEMENT SURFACE SHALL BE FINISHED BY EITHER MACHINE OR HAND SUITABLE FOR ACCEPTANCE BY OWNER. HAND FINISH SHALL ONLY BE ALLOWED FOR IRREGULAR DIMENSION AREAS WHERE MECHANICAL EQUIPMENT IS IMPRACTICAL OR IN CASE OF EQUIPMENT BREAKDOWN AFTER CONCRETE IS PLACED. TAKE CARE NOT TO "HARD" TROWEL OR OVER DENSIFY PAVEMENT (NO MORE THAN 2 PASSES).
 2. AFTER STRIKING OFF AND CONSOLIDATING CONCRETE, SMOOTH SURFACE BY MECHANICAL SCREEDING AND FLOATING TO MINIMIZE OR ELIMINATE HAND FINISHING. ADJUST FLOATING TO COMPACT SURFACE AND PRODUCE UNIFORM TEXTURE. AFTER FLOATING, TEST SURFACE FOR TRUENESS WITH 10'-0" STRAIGHTEDGE. DISTRIBUTE CONCRETE AS REQUIRED TO REMOVE SURFACE IRREGULARITIES AND REFLOAT REPAIRED AREAS TO PROVIDE CONTINUOUS SMOOTH FINISH WITH MECHANICAL TROWEL.
 3. WORK EDGES OF SLABS AND FORMED JOINTS WITH EDGING TOOL, ROUNDING EDGE TO 1/2-INCH RADIUS. ELIMINATE TOOL MARKS ON CONCRETE SURFACE. AFTER COMPLETION OF FLOATING AND TROWELLING, WHEN EXCESS MOISTURE OR SURFACE SHEEN HAS DISAPPEARED, COMPLETE SURFACE FINISHING, AS FOLLOWS:
 - a) INCLUDED SLAB SURFACES: PROVIDE COARSE, NONSLIP FINISH BY SCORING SURFACE WITH STIFF-BRISTLED BROOM PERPENDICULAR TO FLOW OF TRAFFIC SO AS TO PRODUCE REGULAR CORRUGATIONS NOT OVER 1/16 OF AN INCH DEEP.
 - b) PAVING: PROVIDE COARSE, NONSLIP FINISH BY SCORING SURFACE WITH STIFF-BRISTLED BROOM PERPENDICULAR TO FLOW OF TRAFFIC SO AS TO PRODUCE REGULAR CORRUGATIONS NOT OVER 1/16 OF AN INCH DEEP.
 - c) TINE FINISH: MAY BE UTILIZED AT EACH OF THE ENTRANCE DRIVES (SLOPE > 3%) AT THE OWNER'S DISCRETION AND SHALL PROVIDE FOR A 3/8 INCH MINIMUM SPACING AND 1 1/2 INCH MAXIMUM SPACING. GROOVES PRODUCED IN CONCRETE SHALL BE 3/16 INCH IN DEPTH WITH A MINIMUM DEPTH OF 1/8 INCH.
 4. DO NOT REMOVE FORMS FOR 24 HOURS AFTER CONCRETE HAS BEEN PLACED. AFTER FORM REMOVAL, CLEAN ENDS OF JOINTS, BACK OF CURBS AND POINT UP MINOR HONEYCOMBED AREAS. REMOVE AND REPLACE AREAS OR SECTIONS WITH MAJOR DEFECTS, AS DIRECTED BY OWNER.
 5. SWEEP CONCRETE PAVEMENT AND WASH FREE OF STAINS, DISCOLORATIONS, DIRT AND OTHER FOREIGN MATERIAL PRIOR TO FINAL INSPECTION.
 6. PROTECT CONCRETE FROM DAMAGE UNTIL ACCEPTANCE OF WORK. EXCLUDE TRAFFIC FROM PAVEMENT FOR AT LEAST 14 DAYS AFTER PLACEMENT OR UNTIL 75% OF SPECIFIED STRENGTH IS ACHIEVED.

CONCRETE (CONTINUED)

- I. COLD WEATHER REQUIREMENTS
1. FOLLOW THE REQUIREMENTS OF ACI 306.1-90 AND THE FOLLOWING
 - a) REFER TO: "RECOMMENDED PRACTICES FOR COLD WEATHER MASONRY CONSTRUCTION" AS PUBLISHED BY INTERNATIONAL MASONRY INDUSTRY ALL WEATHER COUNCIL FOR TYPICAL COLD WEATHER MASONRY PRACTICES TO BE FOLLOWED.
 - b) PROVIDE ADEQUATE EQUIPMENT FOR HEATING CONCRETE MATERIALS, AND FOR PROTECTION OF THE CONCRETE DURING FREEZING OR NEAR FREEZING WEATHER.
 - c) MAINTAIN CONCRETE MATERIALS, REINFORCEMENT, FORM WORK, FILLERS, AND GROUND TO BE IN CONTACT WITH THE CONCRETE FREE OF FROST. DO NOT USE FROZEN MATERIALS OR MATERIALS CONTAINING ICE.
 - d) PROVIDE CONCRETE, DELIVERED IN COLD WEATHER, WITH THE FOLLOWING TEMPERATURES

AIR TEMP.	MIN. CONCRETE TEMP.
30-40 °F	60 °F
0-30 °F	65 °F
BELOW 0 °F	70 °F
 - e) WHEN PRODUCING CONCRETE WITH HEATED AGGREGATES, HEATED WATER OR BOTH, DO NOT ALLOW CONCRETE TO EXCEED 90° DURING PRODUCTION OR TRANSPORTATION.
 - f) ALL CONCRETE SLABS PLACED AT AIR TEMPERATURES FROM 20°F TO 50°F MAY HAVE AN ACCELERATING WATER REDUCING ADMIXTURE ADDITIVE ADDED TO ACCELERATE SETTING TIME AND STRENGTH ADMIXTURE COMPLYING WITH ASTM C 494, TYPE C.
 - 1) ACCEPTABLE ADMIXTURES ARE EUCLID CHEMICAL COMPANY'S "ACCELGAURD 90", OR EQUAL PRODUCTS BY W.R. MEADOWS, INC. OR W.R. GRACE & CO.
 - a) ADD ACCELGAURD 80 W./ WATER & AGGREGATE TO THE READY MIX CONCRETE TRUCK, BUT DO NOT DISPENSE ONTO DRY CONCRETE.
 - b) FOR TEMPERATURES 32° F - 60° F, ADD AT A RATE OF 160Z./100 LBS. OF CONCRETE.
 - c) FOR TEMPERATURES BELOW 32° F, HEAT AGGREGATE AND USE WARM WATER SO THAT WHEN MIXED CONCRETE TEMPERATURE WILL BE ABOVE 60°.
 - 2) FOLLOW THE MANUFACTURER'S INSTRUCTION FOR THE QUANTITY TO BE ADDED TO THE CONCRETE MIX, DEPENDING UPON THE AMBIENT TEMPERATURE, DESIRED RATE OF ACCELERATION, EARLY STRENGTH GAIN, AND STRIPPING SCHEDULE.
 - g) MAINTAIN CONCRETE ABOVE 50°F IN A MOIST CONDITION FOR A MINIMUM OF SEVEN DAYS AFTER PLACEMENT FOLLOWING THE RECOMMENDATIONS OF ACI 308-92.
- J. HOT WEATHER REQUIREMENTS
1. FOLLOWING THE REQUIREMENTS OF ACI 305R.
 2. DURING HOT WEATHER, TAKE STEPS TO REDUCE CONCRETE TEMPERATURE AND WATER EVAPORATION BY PROPER ATTENTION TO INGREDIENTS, PRODUCTION METHODS, HANDLING, PLACING, PROTECTION, AND CURING.
 3. THE PREFERRED PROTECTION IS A COVERING OF KRAFT PAPER, CONFORMING TO ASTM C 171, FOR A TWENTY FOUR HOUR PERIOD AFTER PLACEMENT - VERIFY WITH PM.
- K. CONCRETE FORMWORK
1. PROVIDE DRESSED LUMBER OR MANUFACTURED FORMS CONFORMING TO THE SHAPE, LINES, AND DIMENSIONS OF CONCRETE STRUCTURES INDICATED ON THE DRAWINGS: FREE FROM DEFECTS AND SUFFICIENTLY TIGHT TO PREVENT LEAKAGE OF MORTAR.
 2. ALL WOODEN FORMS TO BE NO LESS THAN THE SPECIFIED DEPTH OF THE SLAB TO BE POURED, AND NOT LESS THAN NOMINAL 2" x 4" SIZE.
 3. STAKING FOR STRAIGHT SECTIONS SHALL OCCUR NOT LESS FREQUENTLY THAN EVERY FOUR FEET AND SHALL BE BOTH INSIDE AND OUTSIDE OF THE FORM.
 4. FOR CURVES, STAKING SHALL OCCUR NOT LESS THAN EVERY FOOT, AND SHALL BE BOTH INSIDE AND OUTSIDE OF THE FORM.
 5. STEEL FORMS SHALL BE STAKED ACCORDING TO THEIR DESIGN REQUIREMENTS.
 6. ALL REMOVABLE FORMS SHALL BE COATED WITH FORM - RELEASE OIL PRIOR TO PLACEMENT OF CONCRETE.
 7. CYLINDRICAL FORMS SHALL BE OF NEW SONOTUBE OR EQUIVALENT DISPOSABLE MATERIALS.
 - a) THESE MATERIALS MUST BE REMOVED COMPLETELY AFTER USE. ISLAND FORMS SHALL BE POSITIONED USING MASONRY BLOCKING AND STEEL STAKES BOTH INSIDE AND OUTSIDE OF THE FORM, TO ACHIEVE AN AVERAGE AS PER REVEAL HEIGHT AS MEASURED AT THE CENTER OF ANY LONG SIDE OF THE ISLAND.
 8. THE SIDES OF THE ISLAND FORM SHALL BE SHIMMED AGAINST THE STAKES TO PROVIDE A PERFECTLY PLUMB FREEBOARD.
 9. ALL EDGES CREATED BY REMOVABLE FORMS SHALL BE TOOL-RADIUSED AFTER SURFACE FINISHING TO PROVIDE A SMOOTH BORDER ON ALL SLABS.
 10. FORMS SHALL BE REMOVED NO SOONER THAN 24 HOURS FROM THE TIME OF THE POUR.
 11. PROPERLY BRACE OR TIE FORMS TOGETHER TO MAINTAIN SHAPE AND POSITION.
 12. PROVIDE SQUARE EDGE WOOD OR, IF AVAILABLE, METAL FORMS FOR FLOOR SLABS.
 13. BEFORE POURING CONCRETE, REMOVE ALL DEBRIS FROM THE FORMWORK.
 14. WET DOWN FORMWORK PRIOR TO PLACEMENT, OR APPLY A FORM RELEASE AGENT FOLLOWING MANUFACTURER'S RECOMMENDATIONS.
 15. DO NOT REMOVE FORMWORK AND BRACING UNTIL CONCRETE HAS GAINED SUFFICIENT STRENGTH TO CARRY ITS OWN WEIGHT, CONSTRUCTION LOADS, AND DESIGN LOADS WHICH ARE LIABLE TO BE IMPOSED ON IT.
 16. REMOVE FORMS IN A MANNER TO ASSURE THE COMPLETE SAFETY OF THE STRUCTURE.
 17. DO NOT PLACE ANY CONCRETE IF THE SUBGRADE HAS STANDING WATER OR IS MUDDY.
- L. STEEL REINFORCEMENT
1. PROVIDE REINFORCING BARS CONFORMING TO ASTM A 615, GRADE 60 FREE OF LOOSE FLAKY RUST, MUD, OIL, OR OTHER COATINGS WHICH WILL ADVERSELY AFFECT BONDING CAPACITY.
 2. PLACE REINFORCEMENT ACCURATELY AND ADEQUATELY SUPPORTED BY CONCRETE MASONRY UNITS OR OTHER APPROVED SPACERS.
 3. SECURE REINFORCEMENT AGAINST DISPLACEMENT WITHIN TOLERANCES SPECIFIED IN "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318).
 4. HOLD BARS IN PLACE USING A MINIMUM 18 GAUGE ANNEALED IRON WIRE.
 5. SPLICES IN DEFORMED REINFORCING BARS WILL NOT BE PERMITTED UNLESS APPROVED BY OWNER.
 6. REINFORCING ROD TO COMPLY WITH ASTM 615, GRADE 60.
- M. FOUNDATIONS
1. PROVIDE SMOOTH FINISH AT ALL EXPOSED SURFACES.
 2. CONSTRUCT CORNERS WITH A ONE INCH CHAMFER.
 3. INCREASE THE DEPTH OF FOUNDATIONS, IF REQUIRED BY FROST LINE CONDITIONS OR BY LOCAL CODES.
 4. OBTAIN OWNER APPROVAL OF ADDITIONAL DEPTH REQUIREMENTS BEFORE PLACING CONCRETE.
 5. CONSTRUCT TOP ELEVATION OF FOUNDATIONS TO WITHIN +1/4 INCH OF THE ELEVATION INDICATED ON THE DRAWINGS.
 6. INSTALL ANCHOR BOLTS WITH A HORIZONTAL TOLERANCE OF +1/8 INCH AND A VERTICAL ALIGNMENT OF +1/8 INCH OUT OF PLUMB.
- N. GROUT
1. PROVIDE NON-METALLIC, NON-SHRINK, PREMIXED NON-STAINING GROUT CONTAINING SELECTED SILICA SANDS, ASTM C 150 TYPE I PORTLAND CEMENT, AND SHRINKAGE COMPENSATING AGENTS.
 2. ACCEPTABLE PRODUCTS ARE "EMBECO" BY MASTER BUILDERS AND "FIVE STAR GROUT" BY U.S. GROUT CORPORATION.

CONCRETE (CONTINUED)

- O. FIELD QUALITY CONTROL
1. TESTING: OWNER WILL ENGAGE A QUALIFIED TESTING/INSPECTION AGENCY TO PERFORM FIELD TESTS AND INSPECTIONS AND PREPARE TESTING AND INSPECTION REPORTS.
 2. TESTING AGENCY:
 - a) TESTING AGENCY SHALL IMMEDIATELY REPORT TO OWNER ANY FAILURE OF WORK TO COMPLY WITH CONTRACT DOCUMENTS.
 - b) TESTING AGENCY SHALL REPORT RESULTS OF TESTS AND INSPECTIONS, IN WRITING, TO OWNER.
 1. TEST REPORTS SHALL INCLUDE REPORTING REQUIREMENTS OF ASTM C31, ASTM C39, AND ACI 301, INCLUDING THE FOLLOWING AS APPLICABLE TO EACH TEST AND INSPECTION:
 - 1) PROJECT NAME
 - 2) NAME OF TESTING AGENCY
 - 3) NAMES AND CERTIFICATION NUMBERS OF FIELD AND LABORATORY TECHNICIANS PERFORMING INSPECTIONS AND TESTING
 - 4) NAME OF CONCRETE MANUFACTURER
 - 5) DATE AND TIME OF INSPECTION, SAMPLING, AND FIELD TESTING
 - 6) LOCATION IN WORK OF CONCRETE REPRESENTED BY SAMPLES
 - 7) DATE AND TIME SAMPLE WAS OBTAINED
 - 8) TRUCK AND BATCH TICKET NUMBERS
 - 9) DESIGN COMPRESSIVE STRENGTH AT 28 DAYS
 - 10) CONCRETE MIXTURE DESIGNATION
 - 11) FIELD TEST RESULTS
 - 12) TYPE OF FRACTURE AND COMPRESSIVE BREAK STRENGTHS AT SEVEN DAYS AND 28 DAYS
 3. CONCRETE TESTS: TESTING OF COMPOSITE SAMPLES OF FRESH CONCRETE OBTAINED IN ACCORDANCE WITH ASTM C 172 SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
 - a) TESTING FREQUENCY: OBTAIN ONE COMPOSITE SAMPLE OF EACH CONCRETE MIXTURE NOT LESS THAN ONCE A DAY; NOR LESS THAN ONCE FOR EACH 100 CUBIC YARD OR FRACTION THEREOF FOR SLABS, PAVEMENTS, AND WALLS, AND NOT LESS THAN ONCE FOR EACH 50 CUBIC YARDS OR FRACTION THEREOF FOR FOUNDATIONS.
 4. SLUMP: ASTM C143:
 - a) ONE TEST AT POINT OF PLACEMENT FOR EACH COMPOSITE SAMPLE, BUT NOT LESS THAN ONE TEST FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE.
 - b) PERFORM ADDITIONAL TESTS WHEN CONCRETE CONSISTENCY APPEARS TO CHANGE.
 5. AIR CONTENT: ASTM C231
 - a) ONE TEST FOR EACH COMPOSITE SAMPLE, BUT NOT LESS THAN ONE TEST FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE.
 6. CONCRETE TEMPERATURE: ASTM C1064:
 - a) ONE TEST HOURLY WHEN AIR TEMPERATURE IS 40 DEG F AND BELOW OR 80 DEG F AND ABOVE, AND ONE TEST FOR EACH COMPOSITE SAMPLE.
 - b) VISUALLY VERIFY THAT THE SPECIFIED CURING COMPOUND WAS APPLIED.
 8. COMPRESSION TEST SPECIMENS: ASTM C31:
 - a) CAST AND LABORATORY CURE ONE SET OF FOUR 6-INCH BY 12-INCH OR FIVE 4-INCH BY 8-INCH CYLINDER SPECIMENS FOR EACH COMPOSITE SAMPLE.
 9. COMPRESSIVE-STRENGTH TESTS: ASTM C39.
 - a) TEST ONE LABORATORY SPECIMEN AT SEVEN DAYS FOR INFORMATION, ONE SET OF TWO 6-INCH BY 12-INCH OR THREE 4-INCH BY 8-INCH SPECIMENS AT 28 DAYS AND HOLD ONE CYLINDER IN RESERVE.
 - b) A COMPRESSIVE-STRENGTH TEST SHALL BE THE AVERAGE COMPRESSIVE STRENGTH FROM THE SET OF SPECIMENS OBTAINED FROM SAME COMPOSITE SAMPLE AND TESTED AT 28 DAYS.
 10. FIELD VERIFY REINFORCING PLACEMENT, FORMWORK, GREENSTREAK LOCATIONS, AND EXPANSION MATERIAL. THESE ARE VISUAL INSPECTIONS PERFORMED PREPOUR.
 11. SOIL TESTS SHALL RECEIVE PASSING GRADE PRIOR TO CONCRETE PLACEMENT.

TOWN APPROVAL BLOCK

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

APPROVED BY: 

By Jkirkpatrick
on 09/30/2025
APPROVED-CD24-0036 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.


KYLE R. GOODWIN
REGISTERED PROFESSIONAL ENGINEER # 63208

8/22/2025
DATE



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DRW	DES	PM				

CONCRETE SPECIFICATIONS
MURPHY USA (NTI)
186 METZLER DRIVE
CASTLE ROCK COLORADO

Galloway

1155 Kelly Johnson Blvd., Suite 305
Colorado Springs, CO 80920
719.590.7220 Kyle.Galloway@GUS.com

MURPHY OIL USA, INC.

200 PEACH STREET
EL DORADO, AR 71730



SHEET NO.

C-10

Sheet 17 of 28

EARTHWORK SPECIFICATIONS

- A. GENERAL
1. REFERENCED PUBLICATIONS: THE FOLLOWING PUBLICATIONS ARE INCLUDED AS PART OF THESE EARTHWORK SPECIFICATIONS:
 - a) ASTM C 136 – METHOD FOR SIEVE ANALYSIS OF FINE AND COARSE AGGREGATES.
 - b) ASTM D 698 – TEST METHODS FOR MOISTURE-DENSITY RELATIONS OF SOIL AND SOIL-AGGREGATE MIXTURES, USING 5.5-LB (2.49 KG) RAMMER AND 12 INCH (305 MM) DROP.
 - c) ASTM D 1556 – TEST METHOD FOR DENSITY OF SOIL IN PLACE BY THE SAND-CONE METHOD.
 - d) ASTM D 4254 – TEST METHODS FOR MINIMUM INDEX DENSITY OF SOILS AND CALCULATION OF RELATIVE DENSITY.
 - e) ASTM D 1557 – TEST METHOD FOR MOISTURE-DENSITY ELEVATIONS OF SOILS AND SOIL-AGGREGATE MIXTURE USING 10 POUND (4.54 KG) RAMMER AND 18-IN. (457 MM) DROP.
 - f) ASTM D 2167 – TEST METHOD FOR DENSITY AND UNIT WEIGHT OF SOIL IN PLACE BY THE RUBBER BALLOON METHOD.
 - g) ASTM D 4253/ D4254 – STANDARD METHOD OF TEST FOR RELATIVE DENSITY OF COHESIONLESS SOILS. CARE SHALL BE USED WHEN OPERATING MECHANICAL EQUIPMENT IN LOCATIONS WHERE IT MAY CAUSE DAMAGE TO TREES, BUILDINGS, CULVERTS, OR OTHER EXISTING PROPERTY, UTILITIES, OR STRUCTURES ABOVE OR BELOW GROUND.
 2. PROVIDE SHORING, BARRIERS, LIGHTING, WARNING SIGNS, AND RAILINGS AS REQUIRED BY LAW OR REGULATIONS FOR THE PROTECTION OF EMPLOYEES, THE PUBLIC, AND ADJACENT PROPERTY.
 3. PROPERLY BARRICADE AND PROTECT AND MAINTAIN ANY OPEN TRENCH OR EXCAVATION TO PREVENT ACCIDENTAL OR UNAUTHORIZED ENTRANCE.
 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND PLUMBING, DRAINAGE, OR ELECTRICAL UTILITY LINES.
 - a) WHERE CERTAIN ON-SITE UTILITIES ARE INDICATED TO REMAIN, PROTECT AND MAINTAIN SUCH LINE, AND BE RESPONSIBLE FOR ALL DAMAGE UNTIL COMPLETION OF WORK.
 - b) COOPERATE WITH UTILITY COMPANIES TO MAINTAIN EXISTING UTILITY LINES IN CONTINUOUS OPERATION.
 - c) WHERE UNMARKED UTILITIES ARE UNCOVERED WITHIN THE WORK AREA, NOTIFY MURPHY OIL USA, INC. AND THE UTILITIES HAVING JURISDICTION, AND TAKE PRECAUTIONS TO PREVENT INTERRUPTION OF SERVICE.
 - 1) SHOULD SUCH LINES OR SERVICES BE DAMAGED, BROKEN OR INTERRUPTED THROUGH NEGLIGENCE, REPAIR AND RESTORE IMMEDIATELY WITHOUT ADDITIONAL COST TO UTILITY OR TO MURPHY OIL USA, INC.
 5. CLOSE OPEN ENDS OF ABANDONED UNDERGROUND UTILITIES WHICH ARE INDICATED TO REMAIN IN PLACE. FOLLOW PROCEDURES ESTABLISHED BY THE UTILITY COMPANY HAVING JURISDICTION.
- B. GRADING
1. REMOVE ALL DEBRIS FROM AREAS TO BE LANDSCAPED TO A DEPTH OF TWO FEET.
 - a) BACKFILL WITH CLEAN SOIL TO A DEPTH WITHIN SIX INCHES OF THE FINISHED GRADE.
 - b) BACKFILL TO SIX INCHES BELOW TOP OF EXISTING CURBS. UNIFORMLY COMPACT BACKFILL AND GRADE AREAS TO INDICATED SLOPE WITH A TOLERANCE OF 1/4 INCH ABOVE INDICATED ELEVATIONS.
 2. PROTECT NEWLY GRADED AREAS FROM TRAFFIC AND EROSION.
 3. REPAIR, RE-GRADED, AND RE-COMPACT GRADES IN SETTLED, ERODED, AND RUTTED AREAS TO SPECIFIED TOLERANCES.
 4. LANDSCAPING WORK INCLUDING BACKFILLING LANDSCAPED AREAS TO GRADE WITH SIX INCHES OF TOPSOIL.
- C. EXCAVATING
1. EXCAVATION OPERATIONS SHALL BE PERFORMED IN ACCORDANCE WITH OSHA GUIDELINES AND ALL APPLICABLE STATE AND LOCAL ORDINANCES.
 2. EXCAVATE SUBSOIL REQUIRED FOR FOUNDATIONS, CONSTRUCTION OPERATIONS, AND OTHER WORK.
 3. EXCAVATE FOUNDATIONS TO A DEPTH INDICATED ON THE DRAWINGS OR AS DEEP AS REQUIRED TO ATTAIN PROPER SOIL BEARING PRESSURE, OR MEET GOVERNING CODES.
 4. DEEPER FOUNDATIONS WILL BE APPROVED, IN WRITING, BY MURPHY OIL USA, INC.
 5. MACHINE SLOPE BANKS TO ANGLE OF REPOSE OR LESS UNTIL SHORED, AS REQUIRED BY ALL CURRENT OSHA STANDARDS.
 6. DO NOT ALLOW EXCAVATION TO INTERFERE WITH NORMAL 45 DEGREE BEARING SPLAY OF ANY FOUNDATION.
 7. HAND TRIM EXCAVATION AND LEAVE FREE OF LOOSE MATTER.
 8. EXCAVATED MATERIAL SHALL BE FIELD-SCREENED BY THE ENGINEER USING AMBIENT TEMPERATURE HEADSPACE ANALYSIS (ATHA) METHODS TO SEGREGATE POTENTIALLY CONTAMINATED SOILS FROM UNCONTAMINATED SOILS.
 - a) EXCAVATED MATERIALS WITH OBSERVED PHOTO IONIZATION DETECTOR (PIP) READINGS GREATER THAN 20 PARTS PER MILLION (PPM) DURING THE SCREENING WILL BE CONSIDERED POTENTIALLY CONTAMINATED AND DESIGNATED BY THE ENGINEER.
 - 1) THE ENGINEER WILL COORDINATE APPROVAL FOR DISPOSAL OF THE SOIL TRANSPORTATION OF CONTAMINATED SOIL TO AN APPROVED DISPOSAL SITE WILL BE PERFORMED BY THE CONTRACTOR UNDER THIS CONTRACT.
 - b) THE ENGINEER MAY COLLECT SAMPLES OF EXCAVATED MATERIAL FOR FIELD OR LABORATORY ANALYSES FOR THE PURPOSE OF VERIFYING CONTAMINANT CONCENTRATIONS.
 - 1) THE CONTRACTOR SHALL PROVIDE SAMPLES OF EXCAVATED MATERIAL TO THE ENGINEER, AS REQUESTED.
 - c) EXCAVATED MATERIAL WITH OBSERVED PIP READINGS LESS THAN 20 PPM DURING ATHA TESTING WILL BE CONSIDERED UNCONTAMINATED AND SHALL BE TEMPORARILY STOCKPILED ON SITE IN A LOCATION WHICH WILL NOT INTERFERE WITH TRAFFIC OR DAILY BUSINESS OPERATIONS.
 - 1) UNCONTAMINATED MATERIAL WILL NOT BE USED AS BACKFILL IF THE ENGINEER DETERMINES THAT EXCAVATED UNCONTAMINATED MATERIALS IS UNSUITABLE FOR USE AS BACKFILL.
 - a) THE EXCAVATED MATERIAL WILL BE TRANSPORTED OFF SITE BY THE CONTRACTOR FOR RE-USE OR DISPOSAL.
 9. REPLACE ALL UNSATISFACTORY SOIL MATERIALS WITH AN ENGINEERED FILL CONSISTING OF ORDINARY SOIL AS EXCAVATED ON THE SITE, FREE FROM DEBRIS ROOTS, STONES LARGER THAN TWO INCHES, SILT, MUCK OR PEAT CAPABLE OF BEING COMPACTED TO THE DENSITIES SPECIFIED IN BACKFILL.
 - a) INSTALL FILL MATERIAL IN LAYERS NOT EXCEEDING 12 INCHES AND MOISTENED ONLY AS REQUIRED TO OBTAIN THE SPECIFIED DEGREE OF COMPACTING.
 10. CORRECT UNAUTHORIZED OVER-EXCAVATION AT NO COST TO THE OWNER.
 11. STOCKPILE SUFFICIENT CLEAN APPROVED SOIL MATERIALS FOR ALL BACKFILLING OR GRADING WORK.
 - a) STOCKPILE EXCAVATED MATERIAL IN AREA DESIGNATED ON-SITE OR WHERE DIRECTED AND REMOVE EXCESS SUBSOIL, NOT BEING REUSED, FROM SITE.
 - b) DO NOT USE UNTREATED OR STABILIZED TOPSOIL AS COMPACTED SUB-GRADE MATERIAL UNDER PAVING OR FOUNDATION STRUCTURES UNLESS SPECIFICALLY APPROVED BY MURPHY OIL USA, INC.
 12. IN THE EVENT THAT SOLID ROCK OR OTHER UNEXPECTED MATERIALS OVER ONE CUBIC YARD IN VOLUME ARE ENCOUNTERED, EXTRA COST WILL BE ALLOWED AFTER WRITTEN APPROVAL BY MURPHY OIL USA, INC. EXTRA COST WILL FOLLOW UNIT PRICES QUOTED IN THE CONTRACTOR'S BID, WITH QUANTITIES TO BE APPROVED BY MURPHY OIL USA, INC.

EARTHWORK (CONTINUED)

- C. EXCAVATING (CONTINUED)
13. FILL OVER-EXCAVATED AREAS UNDER STRUCTURE BEARING SURFACES BY EXTENDING INDICATED BOTTOM ELEVATION OF FOOTING OR BASE TO EXCAVATION BOTTOM WITHOUT CHANGING TOP ELEVATION OR BY FILLING UNAUTHORIZED EXCAVATION WITH 3000 PSI CONCRETE.
 14. TRENCHING
 - a) COMPLY WITH OSHA AND OTHER LOCAL REGULATIONS FOR TRENCHING REQUIREMENTS.
 - b) CONFORM EXCAVATIONS FOR PIPING TO LIMITS, DEPTHS, AND MATERIALS INDICATED ON THE DRAWINGS, AND TO APPLICABLE CODES AND REGULATIONS.
 - c) MECHANICAL EQUIPMENT SHALL BE DESIGNED AND OPERATED IN SUCH A MANNER THAT THE BOTTOM ELEVATION OF THE TRENCH CAN BE CONTROLLED WITH UNIFORM TRENCH WIDTHS AND VERTICAL SIDEWALLS WHICH EXTEND FROM THE BOTTOM OF THE TRENCH TO AN ELEVATION 1 FOOT ABOVE THE TOP OF THE INSTALLED PIPE.
 - d) TRENCHES SHALL BE EXCAVATED BY HAND IN LOCATION WHERE UNDERGROUND UTILITIES ARE KNOWN OR SUSPECTED.
 - e) DESIGN AND PROVIDE SHEETING, SHORING, OR BRACING AT ANY OPEN TRENCH.
 - f) EXCAVATE SUBSOIL REQUIRED TO INSTALL UNDERGROUND PIPING AND UTILITIES.
 - g) TRENCHES SHALL BE EXCAVATED BY OPEN-CUT METHODS, EXCEPT WHEN BORING OR TUNNELING IS INDICATED ON THE DRAWINGS OR APPROVED BY THE ENGINEER.
 - h) TRENCHES SHALL BE EXCAVATED TO A WIDTH NECESSARY TO PROVIDE A 1-PIPE DIAMETER MINIMUM WORKING SPACE BETWEEN THE PIPE AND THE TRENCH WALLS FOR PROPER PIPE INSTALLATION, JOINING, AND BEDDING.
 - i) TRENCH WIDTH SHALL BE MAINTAINED TO WITHIN THREE (3) INCHES OF THAT SPECIFIED ON PLANS.
 - 1) TRENCH ALIGNMENT SHALL BE SUFFICIENTLY ACCURATE TO PERMIT PIPE TO BE ALIGNED PROPERLY WITH A 6-INCH MINIMUM CLEARANCE BETWEEN THE PIPE AND THE SIDEWALLS OF THE TRENCH.
 - a) THE TRENCH SIDEWALL SHALL NOT BE UNDERCUT IN ORDER TO OBTAIN CLEARANCE.
 - j) CONTRACTOR SHALL OVER-EXCAVATE A MINIMUM OF SIX (6) INCHES BELOW THE BOTTOM OF THE PIPE WHEREVER THE TRENCH BOTTOM IS CONSIDERED TO BE BEDROCK OR OTHER UNSUITABLE MATERIAL.
 - 1) OVER-EXCAVATED SHALL BE BACKFILLED AND COMPACTED WITH ACCEPTABLE STABILIZATION MATERIAL.
 - k) WHERE INSTALLING PIPE OR CONDUIT, EXCAVATE OR REMOVE ROCK TO SIX INCHES BELOW THE REQUIRED ELEVATION.
 - 1) BACKFILL WITH CRUSHED STONE OR GRAVEL.
 - 2) HAND TRIM FOR BELL AND SPIGOT PIPE JOINTS.
 - 3) SUPPORT PIPE DURING PLACEMENT.
 - l) BACKFILL SYSTEMATICALLY, AS EARLY AS POSSIBLE, TO ALLOW MAXIMUM TIME FOR NATURAL SETTLEMENT.
 - m) DO NOT BACKFILL TRENCHES UNTIL TESTING THAT IS REQUIRED BY APPLICABLE CODES HAS BEEN CONDUCTED AND APPROVED.
 - n) STOCKPILING EXCAVATED MATERIALS
 - 1) SUITABLE MATERIAL FOR BACKFILLING SHALL BE STOCKPILED IN AN ORDERLY MANNER, AND A MINIMUM OF TWO (2) FEET FROM THE EDGE OF THE TRENCH.
 - 2) EXCESS EXCAVATED MATERIALS NOT SUITABLE OR NOT REQUIRED FOR BACKFILLING SHALL BE REMOVED AND DISPOSE OF OFFSITE BY THE CONTRACTOR.
 - 3) EXCAVATED MATERIAL SHALL NOT BE STOCKPILED AGAINST EXISTING STRUCTURES OR APPURTENANCES.
 - o) PREPARATION OF TRENCH BOTTOM.
 - 1) TRENCH BOTTOMS SHALL BE GRADED UNIFORMLY TO PROVIDE CLEARANCE FOR EACH SECTION OF PIPE.
 - 2) LOOSE MATERIAL, WATER, AND FOREIGN OBJECTS SHALL BE REMOVED FROM THE TRENCH.
 - 3) THE CONTRACTOR SHALL PROVIDE A FIRM SUB GRADE, WHICH IS SUITABLE FOR APPLICATION OF BEDDING MATERIAL.
 - 4) WHEREVER UNSTABLE MATERIAL IS ENCOUNTERED IN THE BOTTOM OF THE TRENCH, SAID MATERIAL SHALL BE OVER-EXCAVATED TO A DEPTH SUITABLE FOR CONSTRUCTION OF A STABLE SUB-GRADE.
 - a) THE DEPTH SUITABLE FOR CONSTRUCTION OF A STABLE SUB GRADE SHALL BE DETERMINED BY THE ENGINEER.
 - b) THE OVER-EXCAVATION SHALL BE BACKFILLED WITH STABILIZATION MATERIAL AND COMPACTED AS REQUIRED BY THE ENGINEER.
 - D. DEWATERING
 1. PREVENT SURFACE WATER AND SUBSURFACE OR GROUND WATER FROM FLOWING INTO EXCAVATIONS AND FROM FLOODING PROJECT SITE AND SURROUNDING AREA.
 2. AT NO TIME WILL PERSONNEL BE ALLOWED IN THE TRENCH UNLESS SUCH ENTRY COMPLIES WITH OSHA GUIDELINES AND WITH APPLICABLE STATE AND LOCAL REGULATIONS.
 3. DO NOT ALLOW WATER TO ACCUMULATE IN EXCAVATIONS.
 4. ANY WATER SUSPECTED OF BEING CONTAMINATED IS TO BE BROUGHT TO THE ATTENTION OF MURPHY OIL USA, INC.
 5. REMOVE WATER TO PREVENT SOIL CHANGES DETRIMENTAL TO THE STABILITY OF SUB-GRADES.
 6. PROVIDE AND MAINTAIN PUMPS, WELL POINTS, SUMPS, SUCTION AND DISCHARGE LINE, AND OTHER DEWATERING SYSTEM COMPONENTS NECESSARY TO CONVEY WATER AWAY FROM EXCAVATIONS.
 7. ESTABLISH AND MAINTAIN TEMPORARY DRAINAGE DITCHES AND OTHER DIVERSIONS OUTSIDE EXCAVATION LIMITS TO CONVEY RAIN WATER AND REMOVED FROM EXCAVATIONS TO COLLECTION OR RUN-OFF AREAS.
 8. DO NOT USE TRENCH EXCAVATIONS AS TEMPORARY DRAINAGE DITCHES.
 9. MAINTAIN WATER ON SITE, IF REQUIRED BY THE LOCAL AUTHORITY.
 10. TRENCHING
 - a) ALTHOUGH IT IS NOT ANTICIPATED THAT PIPING TRENCHES WILL BE EXCAVATED BELOW THE WATER TABLE, ALL TRENCHES SHOULD BE KEPT FREE FROM EXCESS GROUNDWATER DURING CONSTRUCTION.
 - b) ANY WATER WHICH IS ENCOUNTERED IN THE TRENCH SHALL BE REMOVED TO THE EXTENT NECESSARY TO PROVIDE A FIRM SUB GRADE, TO PERMIT JOINTS TO BE MADE IN THE PIPING, AND TO PREVENT THE ENTRANCE OF WATER INTO THE PIPELINE.
 - c) SURFACE RUNOFF SHALL BE DIVERTED TO KEEP TRENCHES FREE FROM WATER, AS NECESSARY.
 - d) WATER SHALL NOT BE DISCHARGED FROM A TRENCH WITHOUT THE APPROVAL OF THE ENGINEER.
 - e) WATER SHALL BE PUMPED FROM THE TRENCH TO A HOLDING TANK FOR FUTURE TREATMENT, IF NECESSARY.
 - f) THE CONTRACTOR SHALL TREAT THE DISCHARGED WATER TO REMOVE VOLATILE CONTAMINANTS TO CONCENTRATIONS WITHIN LIMITS PRESCRIBED BY REGULATORY AUTHORITIES PRIOR TO DISPOSAL OF THE WATER.
 - g) THE CONTRACTOR MUST DISCHARGE TREATED WATER IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS AND ORDINANCES IN A MANNER WHICH PREVENTS DAMAGE TO PERSONAL PROPERTY.
 - h) THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 24 HOURS PRIOR TO HIS INTENT TO DISCHARGE WATER.
 - i) WATER SAMPLES MAY BE COLLECTED BY THE ENGINEER TO VERIFY CONTAMINANT CONCENTRATIONS.
 - j) THE CONTRACTOR SHALL PROVIDE DISCHARGE SAMPLES TO THE ENGINEER AS REQUESTED.
 - k) THE CONTRACTOR IS RESPONSIBLE FOR SECURING AND COMPLYING WITH ALL PERMITS AS REQUIRED BY f) ABOVE.

EARTHWORK (CONTINUED)

- E. BACKFILL
1. BEFORE COMPACTING, MOISTEN OR AERATE EACH LAYER OF BACKFILL AS REQUIRED TO OBTAIN OPTIMUM MOISTURE CONTENT TO ATTAIN REQUIRED COMPACTING DENSITY.
 - a) CINDERS, ASHES, ORGANIC MATTER, RUBBISH, OR OTHER DELETERIOUS MATERIALS WILL NOT BE PERMITTED.
 - b) PLACE FILL IN LAYERS NOT MORE THAN EIGHT INCHES IN LOOSE DEPTH.
 2. ROLL AREAS WITH SOILS CONTAINING CLAY OR SILT (COHESIVE SOILS) UNDER PAVING AND BUILDINGS WITH A SHEEP'S FOOT ROLLER.
 - a) COMPACT FILL WITH COHESIVE MATERIALS TO A DENSITY EQUAL TO 95 PERCENT OF RELATIVE DENSITY AS DETERMINED BY ASTM D 698.
 - b) DETERMINE FIELD DENSITY FOR COHESIVE SOILS BY THE SAND CONE METHOD FOLLOWING ASTM D 1556.
 3. ROLL AREAS WITH SOILS CONTAINING SAND AND GRAVEL (COHESION-LESS SOILS) UNDER PAVING AND BUILDINGS WITH EITHER A THREE WHEEL TEN TON VIBRATOR ROLLER OR SEVEN TON TRACTOR.
 - a) COMPACT FILL WITH COHESION-LESS SOILS TO A DENSITY EQUAL TO 65 PERCENT OF RELATIVE DENSITY AS DETERMINED BY ASTM D 4254.
 - b) DETERMINE FIELD DENSITY FOR COHESION-LESS SOILS BY THE RUBBER BALLOON METHOD FOLLOWING ASTM D 2167.
 4. THE OWNER MAY EMPLOY AND PAY FOR AN INDEPENDENT TESTING LABORATORY TO PERFORM ANY TEST OR INSPECTION TO SHOW COMPLIANCE WITH THESE SPECIFICATIONS.
 5. IF TESTS INDICATE WORK DOES NOT MEET SPECIFIED REQUIREMENTS, REMOVE WORK, REPLACE, AND RETEST WITHOUT ADDITIONAL COST TO THE OWNER.
 6. BACKFILL FOR UNDERGROUND STORAGE TANKS IS SPECIFIED ON THE TANK INSTALLATION DRAWING.
 7. TRENCHING
 - a) BACKFILLING WITH SAND OR PEA GRAVEL TO A DEPTH OF FOUR INCHES ABOVE THE TOP OF THE CONDUIT.
 - 1) DO NOT USE SAND IN CONJUNCTION WITH FILTER FABRIC.
 - 2) VOIDS BETWEEN CONDUITS WILL NOT BE PERMITTED.
 - 3) CLEAN EARTH MAY BE SUBSTITUTED FOR SAND WHEN THE TRENCH CONTAINS ONLY ONE CONDUIT.
 - b) COMPRESSED AIR AND POTABLE WATER PIPING
 - 1) LAY PIPING ON A FOUR INCH COMPACTED BEDDING OF CLEAN SAND OR PEA GRAVEL.
 - 2) CONTINUE SAND BACKFILL TO A DEPTH OF FOUR INCHES ABOVE THE TOP OF THE PIPE.
 - c) SEWER PIPING
 - 1) LAY SEWER PIPING SUPPORTED CONTINUOUSLY ON A SIX INCH COMPACTED BEDDING OF GRAVEL OR CRUSHED STONE OF WHICH 100 PERCENT WILL PASS THROUGH A 1/2 INCH SIEVE.
 - 2) SHAPE BEDDING FOR CLEARANCE OF ALL JOINTS AND FITTINGS, TAMPED IN PLACE, AND GRADED EVENLY TO ENSURE A UNIFORM BEARING FOR THE FULL LENGTH OF THE PIPE.
 - 3) DO NOT SUPPORT PIPING BY BLOCKS, PLANKS, OR MOUNDS OF BEDDING MATERIAL.
 - d) BACKFILL ONLY AFTER PIPING AND APPURTENANCES HAVE BEEN INSPECTED, TESTED AND APPROVED.
 - 1) PROVIDE GRANULAR BACKFILL MATERIAL FREE OF STONES LARGER THAN THREE INCHES IN DIAMETER, NON-CORROSIVE, AND NON-ORGANIC IN NATURE.
 - 2) DO NOT USE MATERIAL WITH CINDERS, BUILDING MATERIALS, WASTE, OR RUBBISH.
 - 3) DO NOT USE FROZEN OR SEMI-FROZEN BACKFILL MATERIALS.
 - 4) BACKFILL AROUND PIPE TO A DEPTH OF 12 INCHES ABOVE THE TOP OF THE PIPE IN LAYERS.
 - 5) USE GRAVEL OR CRUSHED STONE OF WHICH 100 PERCENT WILL PASS THROUGH A 1/2 INCH SIEVE.
 - 6) INSTALL IN LAYERS NOT TO EXCEED SIX INCHES IN DEPTH.
 - 7) TAKE CARE NOT TO DISTURB THE PIPE OR DAMAGE ANY PIPE COATING.

TOWN APPROVAL BLOCK

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

APPROVED BY:  **APPROVED**
By jkirpatrick
on 09/30/2025
APPROVED-CD24-0036 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.


KYLE R. GOODWIN
REGISTERED PROFESSIONAL ENGINEER # 63208

8/22/2025
DATE



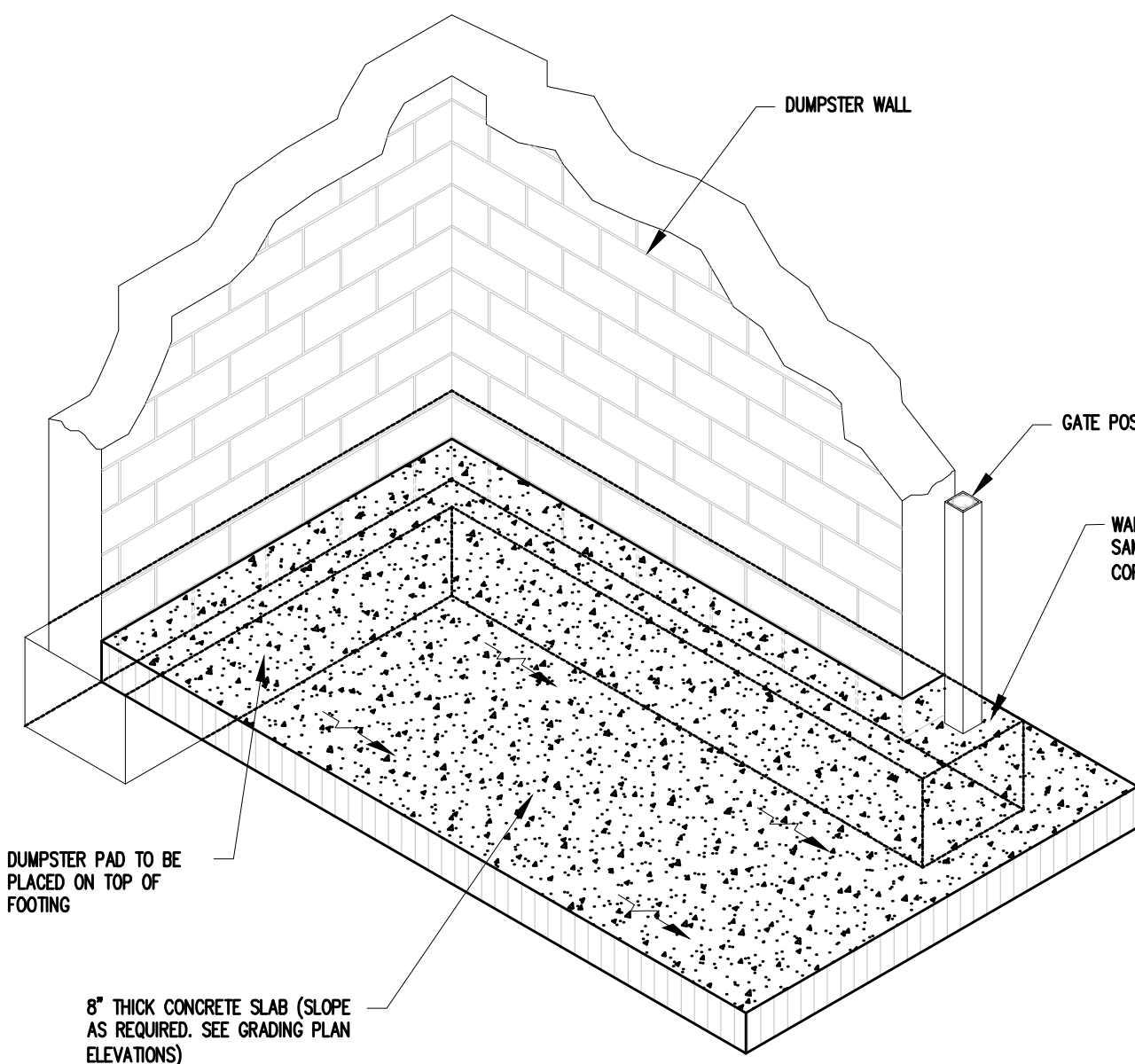
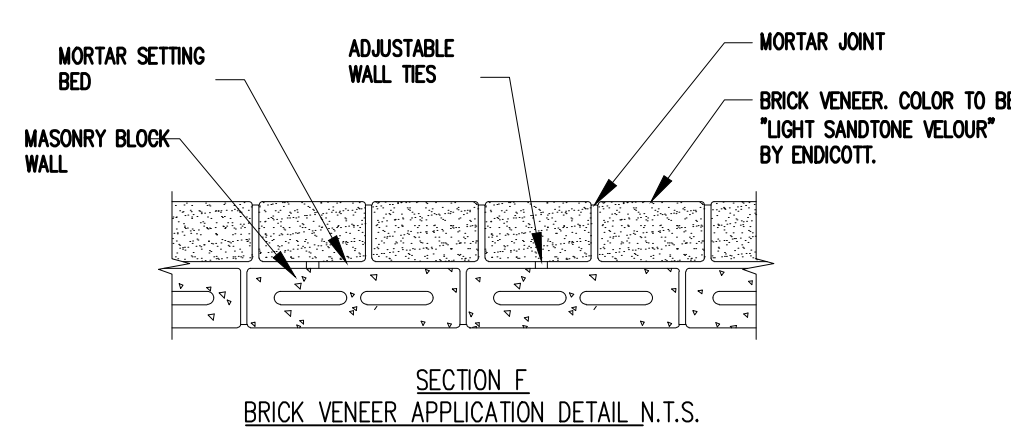
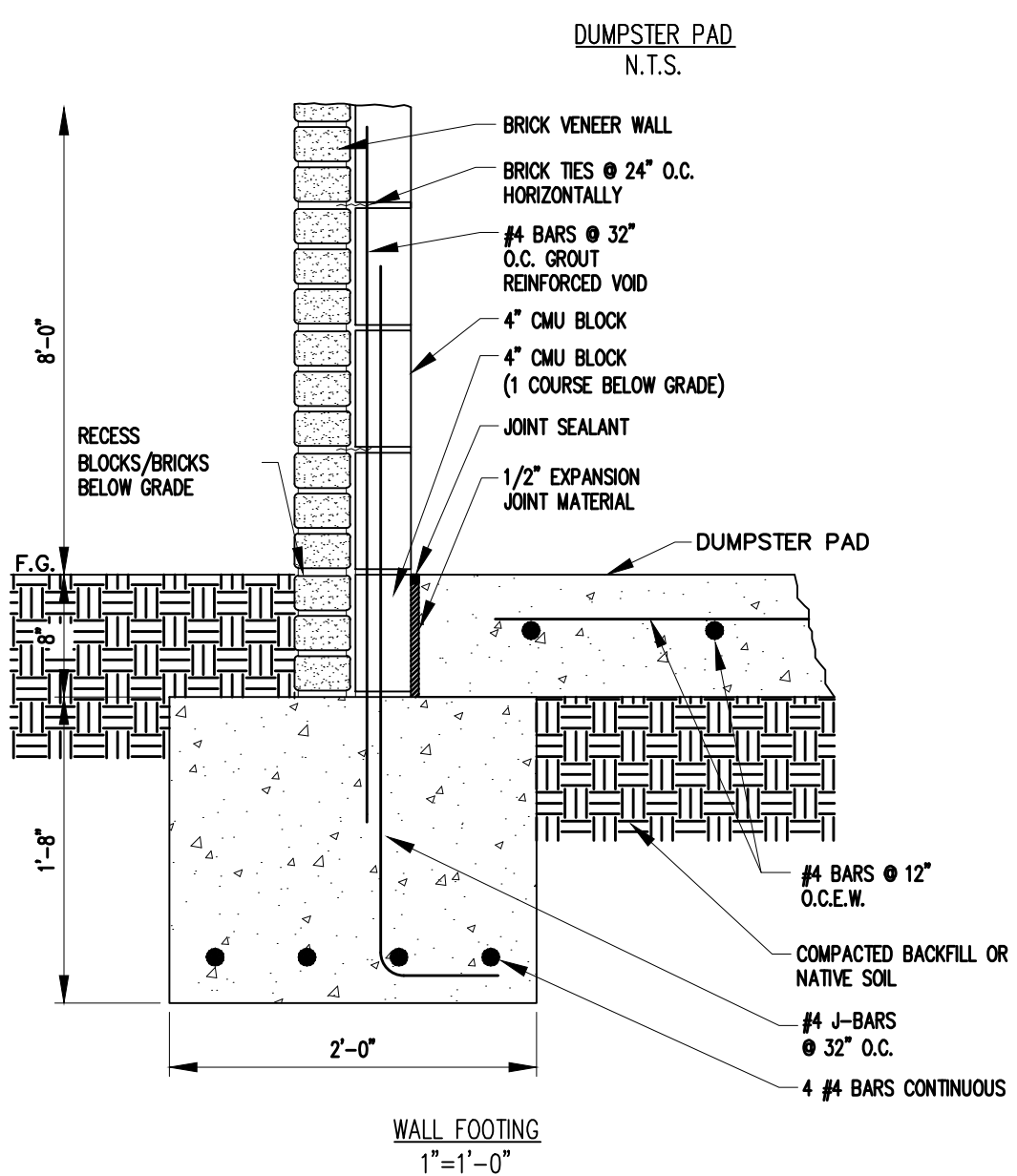
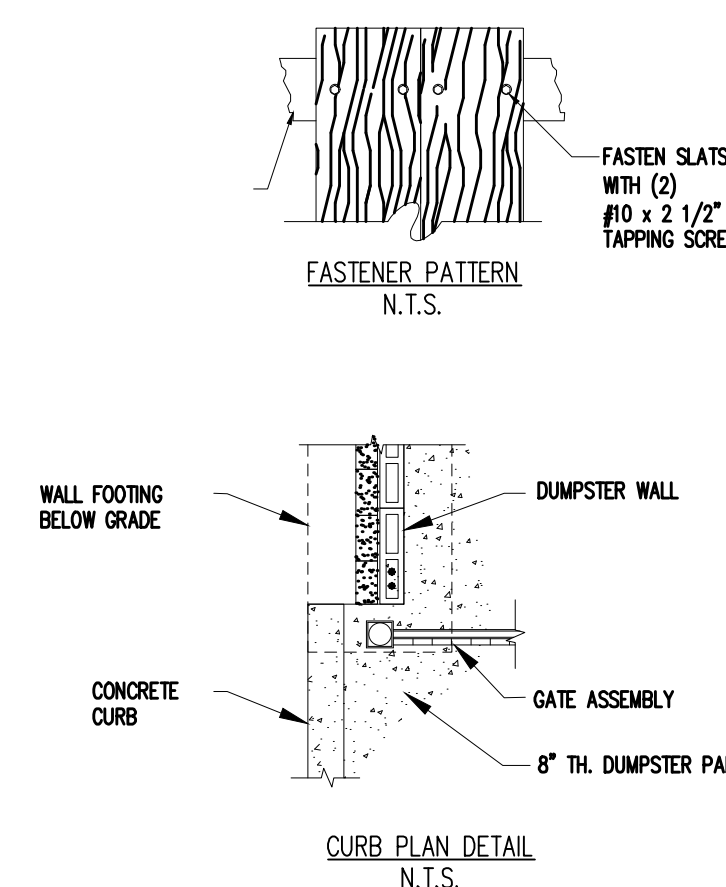
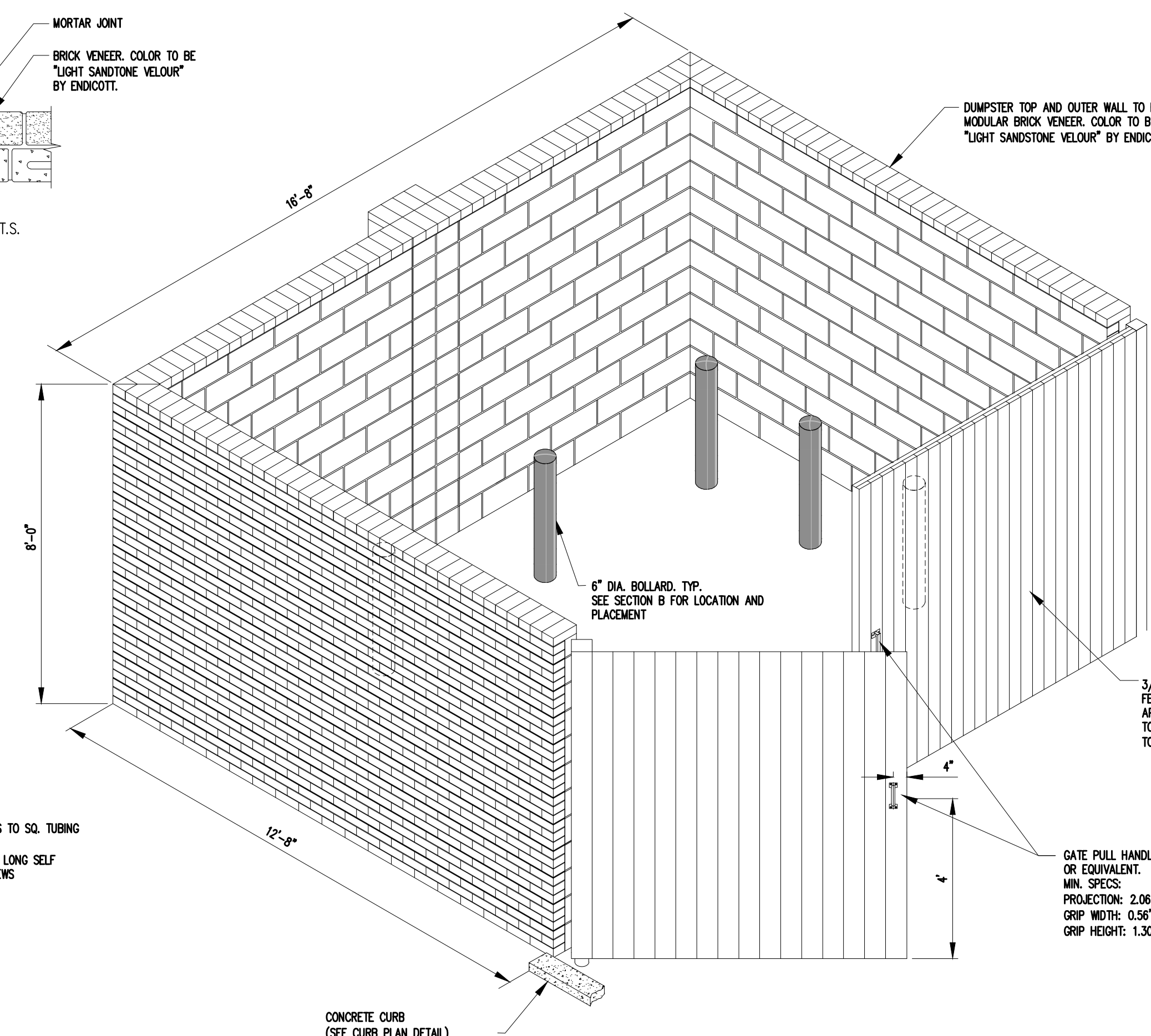
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8/21/2025	DATE	PRN	PRN	PRN
REV-#				

Galloway
1155 Kelly Johnson Blvd., Suite 305
Colorado Springs, CO 80920
719.900.7220 Kyle.Galloway@GUS.com
GallowayUS.com

MURPHY OIL USA, INC.
200 PEACH STREET
EL DORADO, AR 71730

MURPHY USA

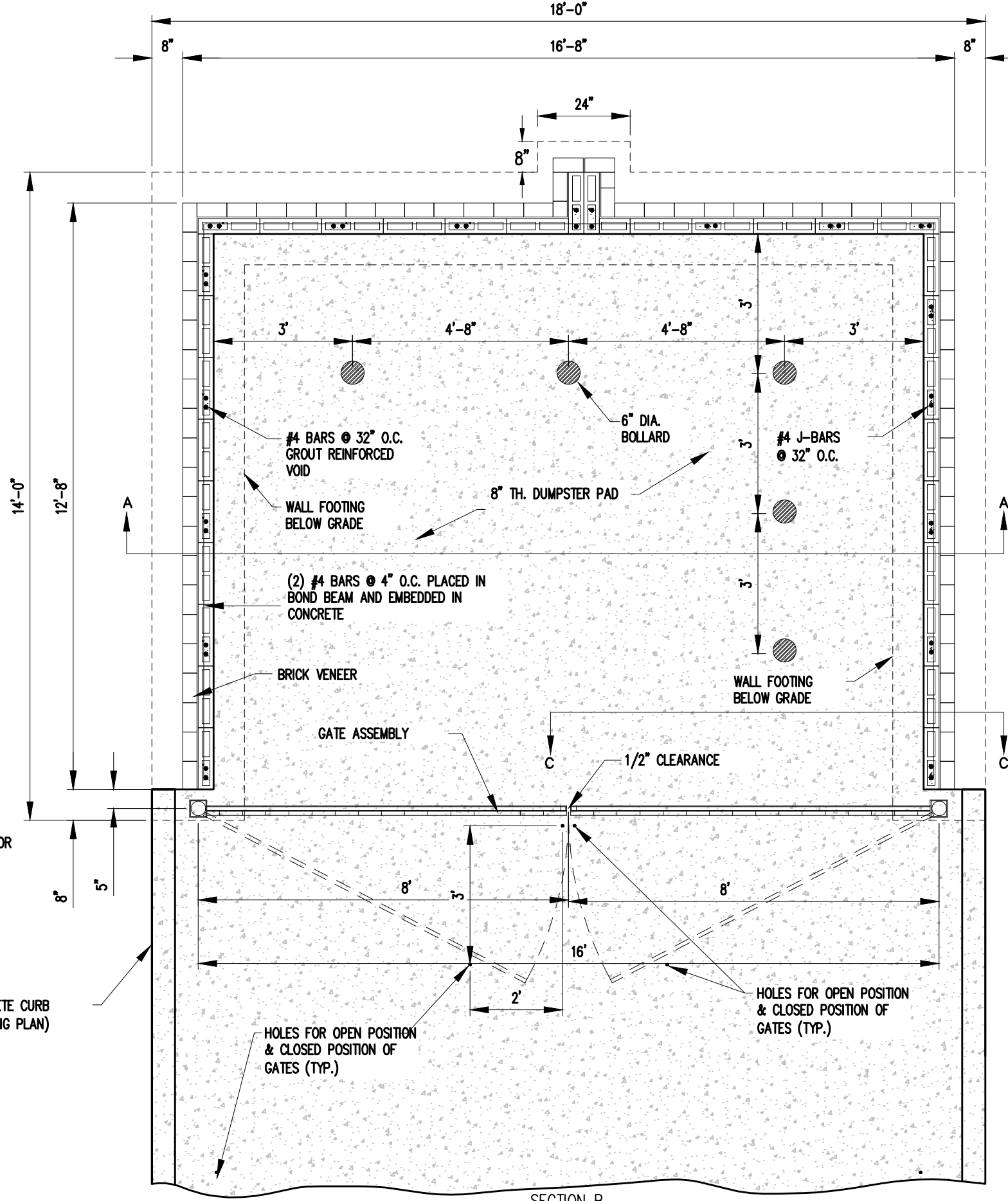
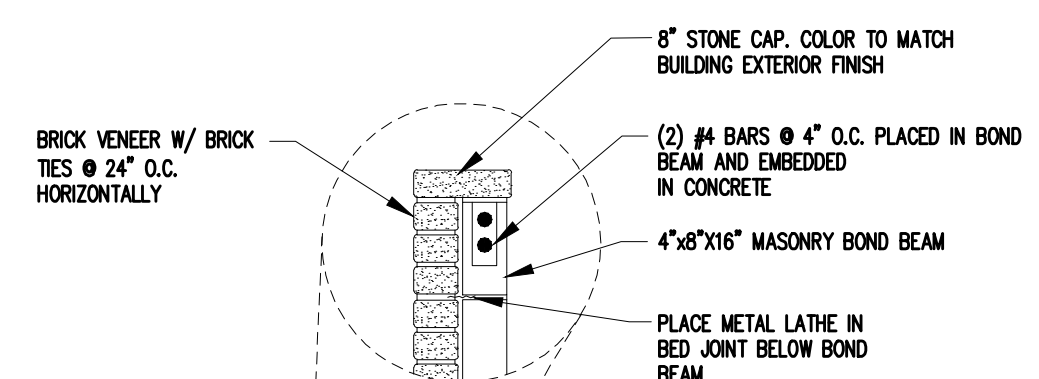
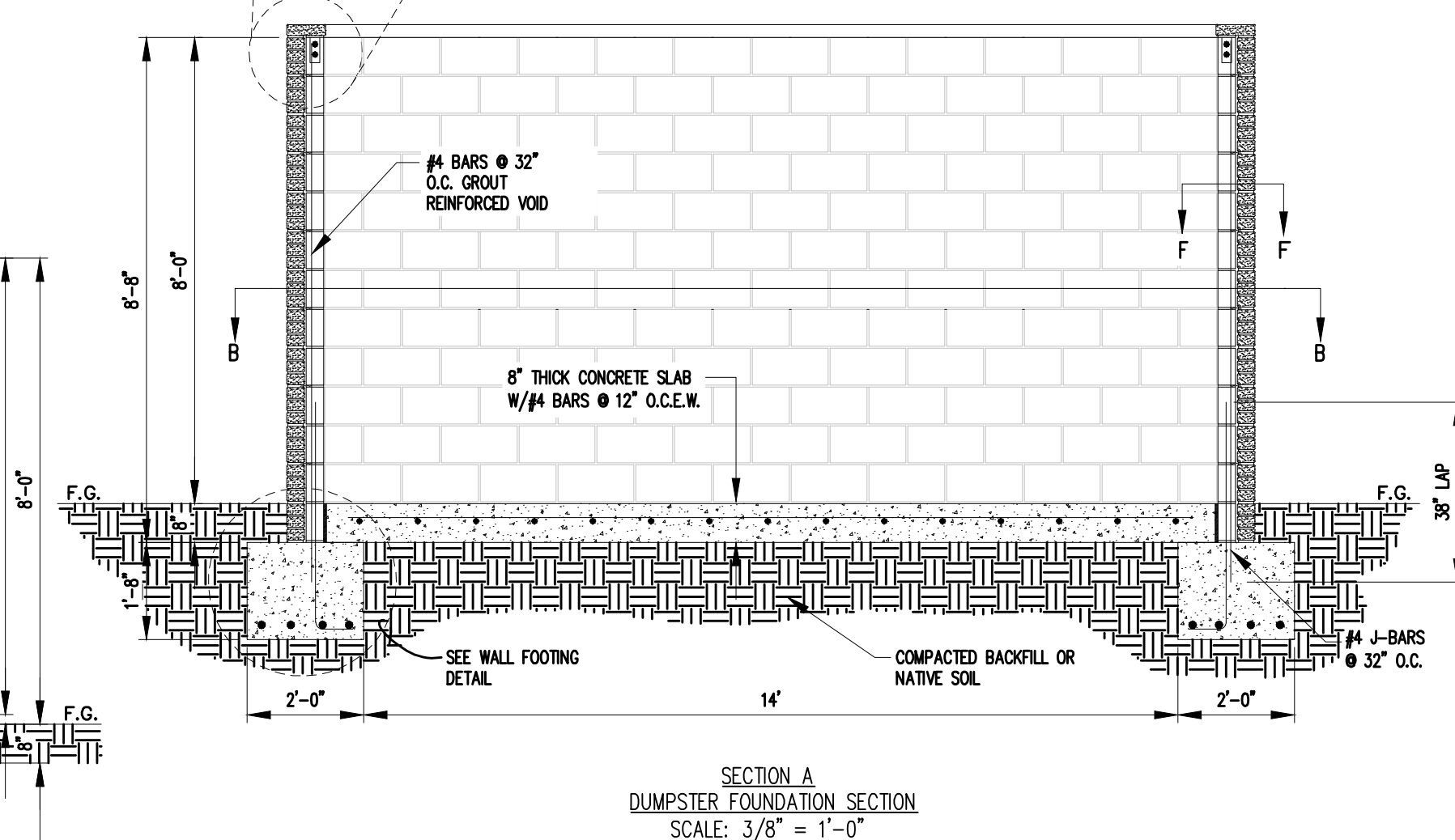
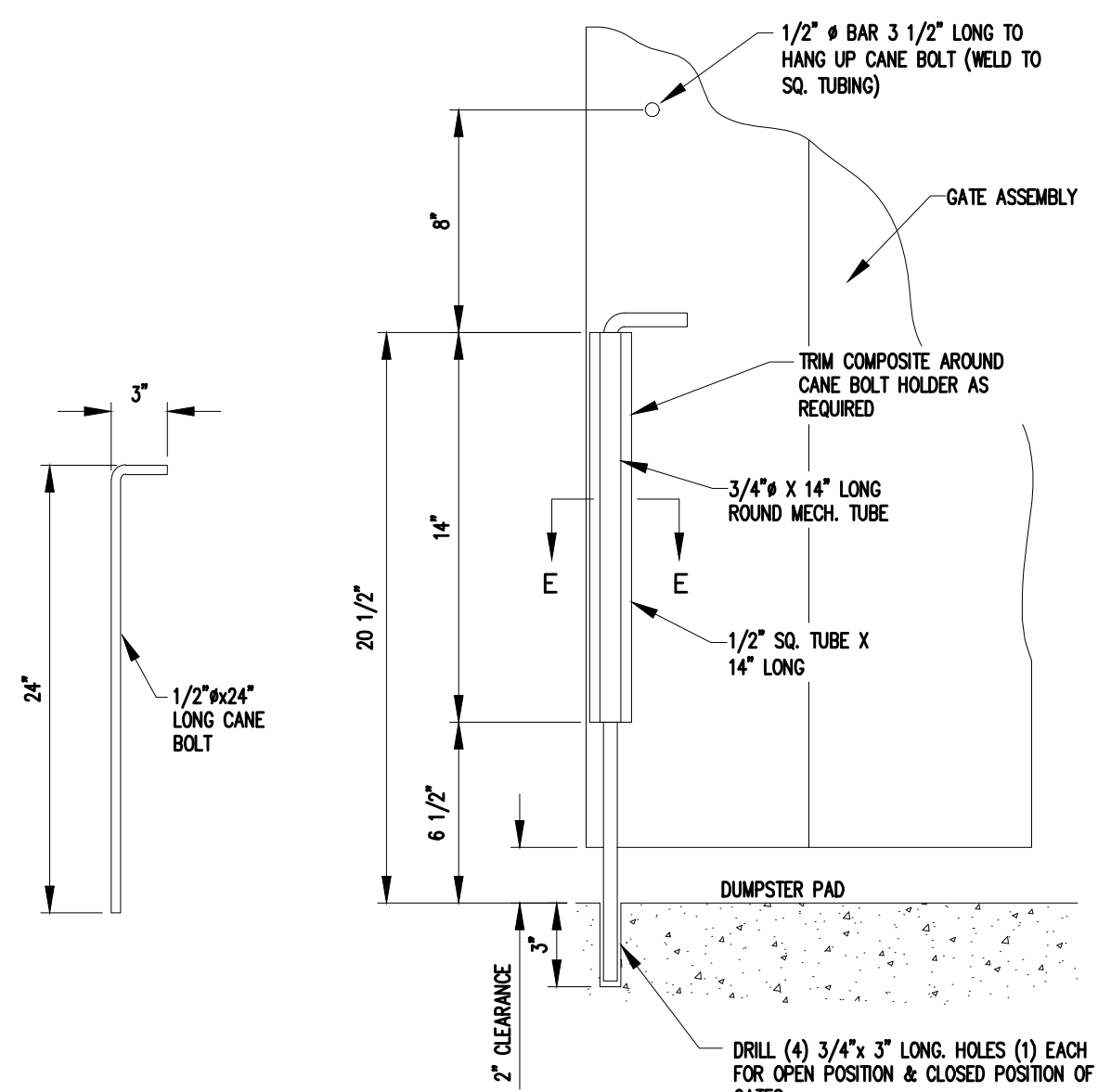
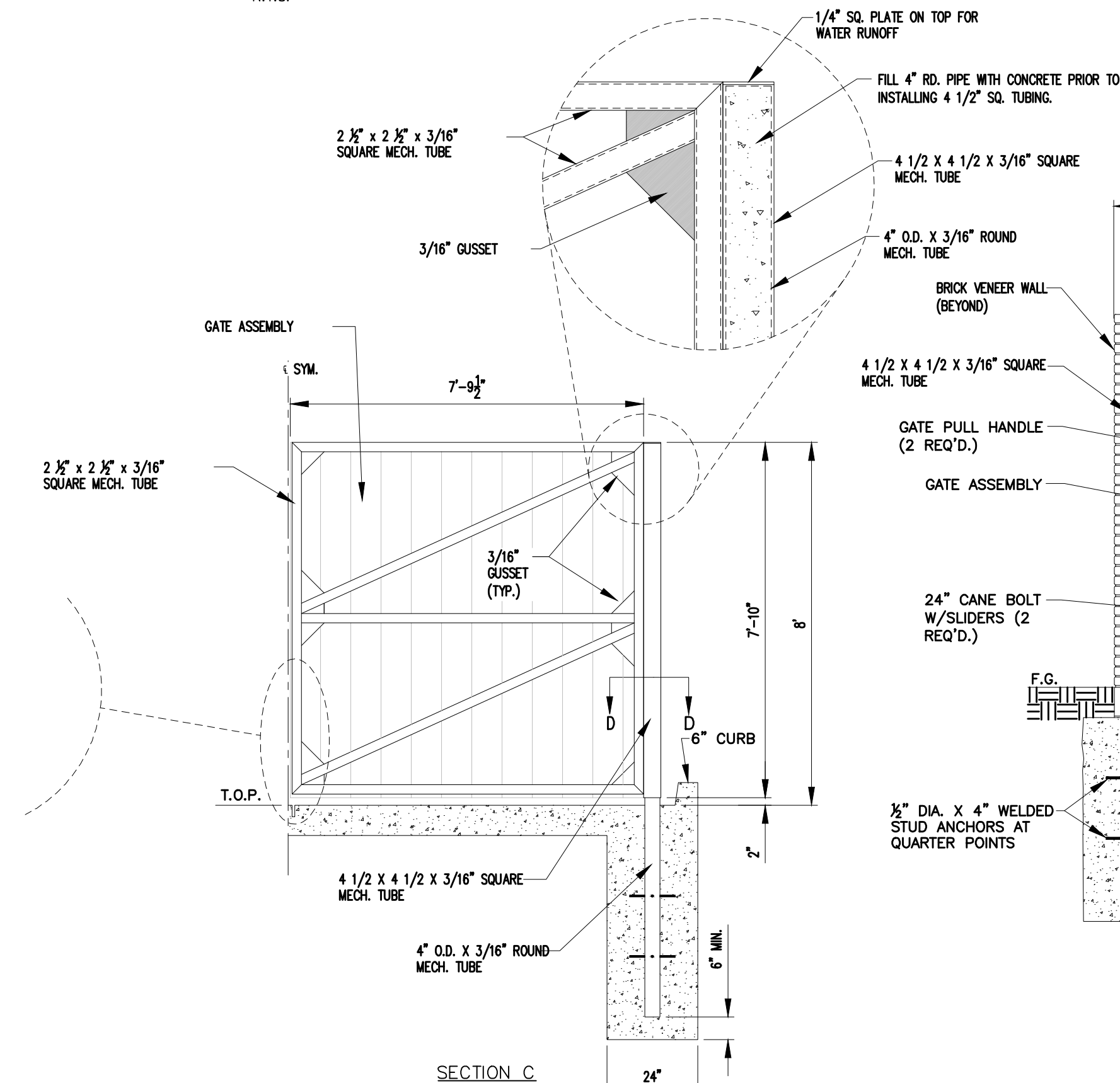
SHEET NO. C-11
Sheet 18 of 28



BRICK VENEER — DUMPSTER ENCLOSURE
DESIGN WIND SPEED: 130 M.P.H.

ENCLOSURE TO BE:

- 4" MASONRY BLOCK W/MODULAR BRICK VENEER.
- ENDURAMAX PRE-BLENDED MORTAR (GROUT), COLOR "GRAY"
- BRICK FINISH COLOR TO BE "LIGHT SANDSTONE VELOUR" BY ENDICOTT



DUMPSTER GATE ELEVATION
SCALE: 3/8"=1'-0"

TOWN APPROVAL BLOCK

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

APPROVED BY: **KYLE R. GOODWIN**
By Kirkpatrick on 09/30/2025
APPROVED-CD24-0036 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.

KYLE R. GOODWIN
REGISTERED PROFESSIONAL ENGINEER # 63208

8/22/2025
DATE

MURPHY OIL USA, INC.
200 PEACH STREET
EL DORADO, AR 71730

MURPHY USA

SHEET NO. C-12
Sheet 19 of 28

DUMPSTER DETAILS
MURPHY USA (NTI)
186 METZLER DRIVE
CASTLE ROCK COLORADO

REV-# 8/21/2025 MOC89 PRN DATE 8/21/2025 MOC89 PM DES ASA DRW



Galloway
1155 Kelly Johnson Blvd., Suite 305
Colorado Springs, CO 80920
719.590.7220 Kyle Goodwin, P.E.
GallowayUS.com



NON-RESIDENTIAL SITE INVENTORY

Town of Castle Rock Registered Professional:

Town of Castle Rock Registration #

N/A with a Landscape Architecture license

State of Colorado License Landscape Architect #

1068

Company Name:

Galloway & Company, Inc.

Address: 1155 Kelly Johnson Blvd. Suite 305, Colorado Springs, CO 80920

Phone:

(719)900-7220

Email:

JonRomero@GallowayUS.com

Date: 7/16/2024

Project Name:

Murphy Oil, Founders & Metzlers

Please add values/quantity in the shaded areas. Provided values/quantity must be equal to or greater than the required value/quantity.

Gross Site Area	Required Landscape (10% of the gross site area)	BOA Existing Landscape Area	Provided Landscape Area	Required Trees (2 trees / 1,000 sqft)	Provided Trees	Required Shrubs (4 shrubs / 1,000 sqft)	Provided Shrubs	Soil Prep Amounts (cu.yds. Per 1000 SF)
51,619	5,162	8,651	18,437	10	10	21	21	4 cu. yds. / 1,000 SF
Turf Grass Square Footage (SF)*	Required Landscape Coverage Percentage (75% minimum)	BOA Existing Landscape Area	Provided Landscape Coverage at Maturity (SF)	Required Nonliving Ornamental Percentage (25% maximum)	Provided Nonliving Ornamental Area in Landscape (SF)	Required Large Canopy Deciduous Tree (50% minimum)	Provided Large Canopy Deciduous Shade Tree	Separate Irrigation Service Connections
N/A	3,871	2,952	3,871	1,290	473	5	15	Yes X No ____

Parking Lot*							
Parking Lot Area	Landscaping Area Required (10% of square footage)	Existing Landscape (If Applicable)	Landscaped Area Provided	Required Trees** (2 large canopy deciduous shade trees / 1,000 sqft)	Provided Trees	Required Shrubs** (4 shrubs / 1,000 sqft)	Provided Shrubs
2,686	269	0	1,103	1	2	1	18
Parking Lot Peninsula/Islands (40 Spaces or More)****							
Number of Parking Spaces	Number of Landscaped Islands Required (1 island per 15 spaces)		Number of Landscaped Islands Provided	Required Trees*** (Minimum of 1 large canopy deciduous shade tree per island/peninsula)	Provided Trees	Required Shrubs (Minimum of 4 shrubs per island/peninsula)	Provided Shrubs
	0			0		0	

*Parking Lot landscaping can count towards overall site landscape requirements.

**Parking Lot landscaping outside of landscaped islands/peninsulas should be located within 3 feet of the parking lot perimeter.

***Evergreens are not permitted in landscaped islands/peninsulas.

****Parking Lot Peninsula/Islands criteria for lots over 40 spaces can be found in Section 7.2.1.2(2)(c) of the Landscape and Irrigation Criteria Manual.

STREETSCAPE*

Street Name/Tract	Linear Feet (LF)**	Required Street Trees (1 tree per 40 LF)	Existing Street Trees (If applicable)	Provided Street Trees	Required Street Shrubs (4 shrubs per required tree)	Provided Street Shrubs
FOUNDERS PKWY.	244	6	5	1	24	24 (COUNT EXISTING)
METZLER WAY	212	5	1	4	20	20 (COUNT EXISTING)
METZLER DR.	266	7	3	4	28	28 (COUNT EXISTING)
		0			0	
		0			0	
		0			0	
		0			0	
		0			0	

*Streetscape requirements can be found in Section 8.2.1 of the Landscape and Irrigation Criteria Manual

**Streetscape does not count towards overall site landscape requirements

*Residential Only - On local streets, the required front yard tree shall meet the street tree requirements for that section of roadway.

**Please provide the linear footage and clearly show on the Site Development Plan for all streets/tracts.

PLANT LEGEND

SYMBOL	QTY	SYMBOL	QTY	SYMBOL	QTY	TYPE
DECIDUOUS TREES		DECIDUOUS SHRUBS		MULCH		
	3		6		469 SF	4"-6" GRAY ROCK COBBLE MULCH
	1		18		5,710 SF	EXISTING ROCK MULCH TO REMAIN
	1		53		9,325 SF	ROCK COBBLE MULCH - MATCH EXISTING
	7		6	SOD/SEED		
	1		23		2,952 SF	EXISTING SOD TO REMAIN
	1		30			
	1		6			
	1	EVERGREEN SHRUBS				
	11		49			
	1		8			
	1		12			
	4		9			
EVERGREEN TREES						
	4					
ORNAMENTAL GRASSES						
	15					
	14					

TOWN APPROVAL BLOCK

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

APPROVED BY: By jkirkpatrick on 09/30/2025
APPROVED-CD24-0036 Plans.pdf
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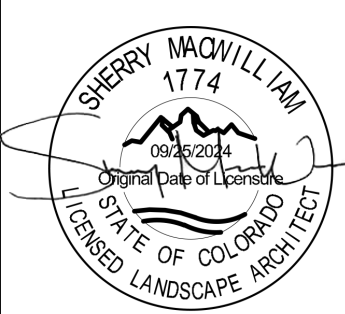
DEVELOPMENT SERVICES DATE

CAUTION - NOTICE TO CONTRACTOR

1. ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.

2. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POT-HOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.

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



LANDSCAPE PLAN
MURPHY USA (NTI)
186 METZLER DRIVE
CASTLE ROCK COLORADO

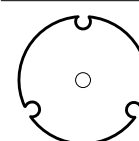
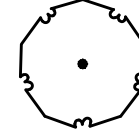
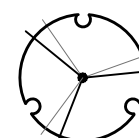
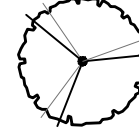
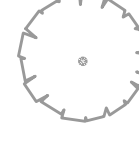
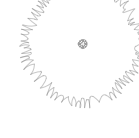
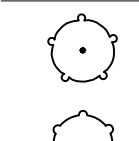
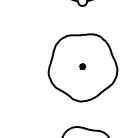
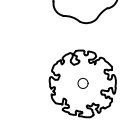
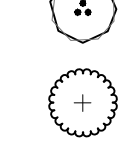
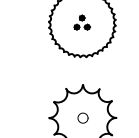
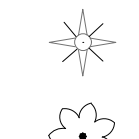
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MURPHY OIL USA, INC.
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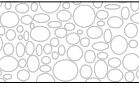
MURPHY
USA

SHEET NO.
LP-1
Sheet 20 of 28

PLANT SCHEDULE

SYMBOL	CODE	QTY	COMMON / BOTANICAL NAME	CONT.	CAL / SIZE	HT. X SPD.	WATER USE
DECIDUOUS TREES							
	TICO	1	LITTLELEAF LINDEN / TILIA CORDATA	B&B	2" CAL	40' X30'	MODERATE
	GLTS	3	SHADEMASTER HONEY LOCUST / GLEDITSIA TRIACANTHOS INERMIS 'SHADEMASTER'	B&B	2" CAL	50' X35'	LOW
ORNAMENTAL TREES							
	ACTM	1	HOT WINGS TATARIAN MAPLE / ACER TATARICUM 'GARANN' TM	B&B	1.5" CAL	25' X20'	MODERATE
	ACGL	7	ROCKY MOUNTAIN MAPLE / ACER GLABRUM	B&B	1.5" CAL	15' X15'	MODERATE
	CRCR	1	THORNLESS COCKSPUR HAWTHORN / CRATAEGUS CRUS-GALLI INERMIS	B&B	2" CAL	15' X15'	LOW
EXISTING TREES							
	EXDT	11	EXISTING DECIDUOUS TREE / TO REMAIN	EXISTING			
	EXET	4	EXISTING EVERGREEN TREE / TO REMAIN	EXISTING			
SYMBOL CODE QTY COMMON / BOTANICAL NAME CONT. HT. X SPD. WATER USE							
DECIDUOUS SHRUBS							
	CACL	18	BLUE MIST SPIREA / CARYOPTERIS X CLANDONENSIS 'BLUE MIST'	#5 CONT.	3' X3'		VERY LOW
	EDSR	53	EXISTING DECIDUOUS SHRUB TO REMAIN / EXISTING DECIDUOUS SHRUB TO REMAIN	#5 CONT.			
	AMCS	6	LEADPLANT / AMORPHA CANESCENS	#5 CONT.	4' X4'		VERY LOW
	PHOP	6	LITTLE DEVIL DWARF NINEBARK / PHYSOCARPUS OPULIFOLIUS 'DONNA MAY' TM	#5 CONT.	4' X4'		LOW
	SPJL	30	LITTLE PRINCESS JAPANESE SPIREA / SPIRAEA JAPONICA 'LITTLE PRINCESS'	#5 CONT.	2' X3'		MODERATE
	SYPA	6	MISS KIM KOREAN LILAC / SYRINGA PATULA 'MISS KIM'	#5 CONT.	5' X5'		MODERATE
	PBEP	28	PAWNEE BUTTES SAND CHERRY / PRUNUS BESSEYI 'P011S' TM	#5 CONT.	1.5' X6'		VERY LOW
EVERGREEN SHRUBS							
	JNCH	8	ARMSTRONG JUNIPER / JUNIPERUS CHINENSIS 'ARMSTRONGII'	#5 CONT.	4' X4'		VERY LOW
	JNSO	12	BUFFALO JUNIPER / JUNIPERUS SABINA 'BUFFALO'	#5 CONT.	1' X6'		VERY LOW
	EESR	49	EXISTING EVERGREEN SHRUB TO REMAIN / EXISTING EVERGREEN SHRUB TO REMAIN	#5 CONT.			
	PIMM	9	MOPS MUGO PINE / PINUS MUGO 'MOPS'	#5 CONT.	5' X6'		LOW
ORNAMENTAL GRASSES							
	BOGR	15	BLUE GRAMA GRASS / BOUTELOUA GRACILIS	#1 CONT.	1.5' X1.5'		VERY LOW
	CAAK	14	KARL FOERSTER FEATHER REED GRASS / CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	#1 CONT.	5' X2'		LOW

GROUNDCOVER SCHEDULE

SYMBOL	QTY	COMMON NAME
MULCH		
	469 SF	4"-6" GRAY ROCK COBBLE MULCH
	5,710 SF	EXISTING ROCK MULCH TO REMAIN
	9,325 SF	ROCK COBBLE MULCH - MATCH EXISTING
SOD/SEED		
	2,952 SF	EXISTING SOD TO REMIAN

LANDSCAPE MATERIALS SCHEDULE

SYMBOL	DESCRIPTION	QTY
	2'-3' DIA. DENVER GRANITE BOULDER	13

IRRIGATION CONCEPT

1. AN AUTOMATIC IRRIGATION SYSTEM SHALL BE INSTALLED AND OPERATIONAL BY THE TIME OF FINAL INSPECTION. THE ENTIRE IRRIGATION SYSTEM SHALL BE INSTALLED BY A QUALIFIED IRRIGATION CONTRACTOR.
2. THE IRRIGATION SYSTEM WILL HAVE APPROPRIATE BACKFLOW PREVENTION DEVICES INSTALLED TO PREVENT CONTAMINATION OF THE WATER SOURCE IF APPLICABLE.
3. ALL NON-TURF/SEED PLANTED AREAS WILL BE DRIP IRRIGATED.
4. ALL PLANTS SHARING SIMILAR HYDROZONE CHARACTERISTICS SHALL BE PLACED ON A VALVE DEDICATED TO PROVIDE THE NECESSARY WATER REQUIREMENTS SPECIFIC TO THAT HYDROZONE.
5. THE IRRIGATION SYSTEM SHALL BE DESIGNED AND INSTALLED, TO THE MAXIMUM EXTENT POSSIBLE, TO CONSERVE WATER BY USING THE FOLLOWING DEVICES AND SYSTEMS: MATCHED PRECIPITATION RATE TECHNOLOGY ON ROTOR OR SPRAY HEADS (WHEREVER POSSIBLE), RAIN SENSORS, AND SMART MULTI-PROGRAM COMPUTERIZED IRRIGATION CONTROLLERS FEATURING SENSORY INPUT CAPABILITIES.

LANDSCAPE GUARANTEE AND MAINTENANCE

1. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL TREES, SHRUBS, PERENNIALS, SOD, SEEDED AREAS, AND IRRIGATION SYSTEMS FOR A PERIOD OF ONE YEAR FROM THE DATE OF THE OWNER'S ACCEPTANCE. THE CONTRACTOR SHALL REPLACE, AT HIS OWN EXPENSE, ANY PLANTS WHICH DIE IN THAT TIME. OR REPAIR ANY PORTIONS OF THE IRRIGATION SYSTEM WHICH OPERATE IMPROPERLY.
2. THE LANDSCAPE CONTRACTOR SHALL MAINTAIN THE LANDSCAPE IN A NEAT, CLEAN, AND HEALTHY CONDITION FOR A PERIOD OF 90 DAYS. THIS SHALL INCLUDE PROPER PRUNING, MOWING AND AERATION OF LAWNS, WEEDING, REPLACEMENT OF MULCH, REMOVAL OF LITTER, AND THE APPROPRIATE WATERING OF ALL PLANTINGS. IRRIGATION SHALL BE MAINTAINED IN PROPER WORKING ORDER, WITH SCHEDULING ADJUSTMENTS BY SEASON AND TO MAXIMIZE WATER CONSERVATION. IF SITE OPENS DURING WINTER, TO AVOID FREEZE DAMAGE ON PLANTINGS, THE 90 DAYS SHOULD BEGIN AFTER ACCEPTANCE OF THE WORK.
3. DURING THE LANDSCAPE MAINTENANCE PERIOD, THE LANDSCAPE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM STRUCTURES IN ALL LANDSCAPE AREAS AT THE MINIMUM SLOPE SPECIFIED IN THE GEOTECHNICAL REPORT. LANDSCAPE AREAS WHICH SETTLE AND CREATE THE POTENTIAL FOR PONDING SHALL BE REPAIRED TO ELIMINATE PONDING POTENTIAL AND BLEND IN WITH THE SURROUNDING GRADIES. SHOULD ANY CONFLICTS AND/OR DISCREPANCIES ARISE BETWEEN THE GEOTECHNICAL REPORT, THE GRADING PLANS, THESE NOTES, AND ACTUAL CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY BRING SUCH ITEMS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT AND OWNER.

UTILITY NOTES

1. THE LANDSCAPE CONTRACTOR IS REQUIRED TO CONTACT THE COUNTY PUBLIC WORKS DEPARTMENT, AND ANY OTHER PUBLIC OR PRIVATE AGENCY NECESSARY FOR UTILITY LOCATION PRIOR TO ANY CONSTRUCTION.
2. THIS DRAWING IS A PART OF A COMPLETE SET OF BID DOCUMENTS, SPECIFICATIONS, ADDITIONAL DRAWINGS, AND EXHIBITS. UNDER NO CIRCUMSTANCES SHOULD THESE PLANS BE USED FOR CONSTRUCTION PURPOSES WITHOUT EXAMINING ACTUAL LOCATIONS OF UTILITIES ON SITE, AND REVIEWING ALL RELATED DOCUMENTS.
3. THE LOCATION OF THE ALL UNDERGROUND UTILITIES ARE LOCATED ON THE ENGINEERING DRAWINGS FOR THIS PROJECT. THE MOST CURRENT REVISION IS HERE IN MADE PART OF THIS DOCUMENT. UNDERGROUND UTILITIES EXIST THROUGHOUT THIS SITE AND MUST BE LOCATED PRIOR TO ANY CONSTRUCTION ACTIVITY. WHERE UNDERGROUND UTILITIES EXIST, FIELD ADJUSTMENT MAY BE NECESSARY AND MUST BE APPROVED BY A REPRESENTATIVE OF THE OWNER. NEITHER THE OWNER NOR THE LANDSCAPE ARCHITECT ASSUMES ANY RESPONSIBILITY WHATSOEVER, IN RESPECT TO THE CONTRACTORS ACCURACY IN LOCATING THE INDICATED PLANT MATERIAL, AND UNDER NO CIRCUMSTANCES SHOULD THESE PLANS BE USED WITHOUT REFERENCING THE ABOVE MENTIONED DOCUMENTS.

TOWN OF CASTLE ROCK STANDARD LANDSCAPE AND IRRIGATION NOTES

- LANDSCAPE**
1. INSTALLING CONTRACTOR SHALL CONTACT CASTLE ROCK WATER AT 720-733-6017 TO SCHEDULE A PRE-CONSTRUCTION MEETING PRIOR TO THE BEGINNING OF LANDSCAPE INSTALLATION.
 2. LANDSCAPE AND IRRIGATION SHALL BE INSTALLED BY A TOWN OF CASTLE ROCK REGISTERED LANDSCAPE CONTRACT PROFESSIONAL.
 3. SOIL INSPECTION IS REQUIRED BEFORE PLANT INSTALLATION AND SCHEDULING OF THE SOIL INSPECTION SHOULD BE DISCUSSED AT THE LANDSCAPE PRE-CONSTRUCTION MEETING.
 4. INSTALLING CONTRACTOR SHALL PROVIDE SUBMITTALS FROM SUPPLIERS FOR SOD AND/OR NATIVE SEED MIX AT TIME OF LANDSCAPE INSPECTION.
 5. SOIL AMENDMENTS SHALL BE A MINIMUM OF FOUR (4) CUBIC YARDS OF APPROVED ORGANIC MATTER PER ONE THOUSAND (1,000) SQUARE FEET. THIS SOIL AMENDMENT SHALL BE ROTO-TILLED TO A DEPTH OF SIX (6) INCHES. CLASS I OR CLASS II COMPOST IS REQUIRED.
 6. TREES, LARGE SHRUBS AND PERMANENT OBJECTS ARE NOT PERMITTED IN N WATER, SANITARY OR STORM WATER UTILITY EASEMENTS.
 7. ALL LANDSCAPE INSTALLATIONS TO BE INSTALLED AS PER THE TOWN OF CASTLE ROCK PLANTING DETAILS. THESE CAN BE FOUND AT WWW.CRGOV.COM.
 8. 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 OWNERS REPRESENTATIVES.
 9. THE TOWN OF CASTLE ROCK IS NOT RESPONSIBLE FOR REPLACING LANDSCAPE OR IRRIGATION REMOVED IN UTILITY EASEMENTS DUE TO UTILITY LINE MAINTENANCE OR REPAIR. (PWR14.3.13)
 10. A TOWN OF CASTLE ROCK PERMIT AND TOWN OF CASTLE ROCK APPROVED LANDSCAPE PLANS ARE REQUIRED ON SITE DURING INSTALLATION OF THE LANDSCAPING AND IRRIGATION.
 11. THE TOWN OF CASTLE ROCK INSPECTORS WILL NOT APPROVE LANDSCAPE AND/OR IRRIGATION ON SLOPES STEEPER THAN 3:1
 12. OVERHEAD IRRIGATION IS NOT PERMITTED ON SLOPES EQUAL TO 3:1 OR IN AREAS LESS THAN TEN (10) FEET WIDE.
 13. DISTANCE OF TREES TO WET UTILITY LINES SHALL BE A MINIMUM OF TEN (10) FEET.
 14. FINAL LANDSCAPE AREA, COVERAGE AND PLANT QUANTITIES, SHALL MEET OR EXCEED QUANTITIES REPRESENTED IN THIS DRAWING AND SHALL CONFORM TO SUBSEQUENT SUBMITTAL REQUIREMENTS.
 15. ALL PLANTS ARE TO BE PROPERLY HYDRO ZONED PER TOWN OF CASTLE ROCK PLANT LIST.
 16. DESIGN MUST ACCOMMODATE THE WATERING RESTRICTIONS AS OUTLINED IN THE TOWN OF CASTLE ROCK WATER USE MANAGEMENT PLAN (WUMP).
 17. IF ANY TRANSFORMERS, GROUND-MOUNTED HVAC UNITS, UTILITY PEDESTALS, OR SIMILAR FEATURES EXISTING ON SITE, BUT NOT SHOWN ON THE SITE DEVELOPMENT PLAN, ADDITIONAL LANDSCAPING AND SCREENING MAY BE REQUIRED BASED UPON FIELD CONDITIONS DETERMINED DURING THE SITE INSPECTION. INSTALLATION WILL BE REQUIRED PRIOR TO THE FINAL INSPECTION AND THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY, AS APPLICABLE.
 18. NONLIVING LANDSCAPE MATERIAL, SUCH AS ROCK, STONE, BARK CHIPS, AND SHAVINGS WHICH NO LONGER COVER THE AREA IN WHICH THEY WERE ORIGINALLY INSTALLED, SHALL BE REGULARLY REPLENISHED TO MAINTAIN THE FULL COVERAGE TO A MINIMUM DEPTH OF TWO (2) INCHES FOR ROCK MULCH AND FOUR (4) INCHES FOR WOOD MULCH.
 19. PLANTS AND VEGETATION UNDER THE TOWN OF CASTLE ROCK'S PLANT LIST SHALL BE IN LINE WITH THE ADOPTED CWPP AND FIRE RESISTIVE VEGETATION FOR THE REGION TO MEET THE ADOPTED FIRE CODES BY THE TOWN OF CASTLE ROCK.
 20. DEAD PLANT MATERIALS SHALL BE REMOVED AND REPLACED WITH HEALTHY PLANTING MATERIALS OF COMPARABLE SIZE AND SPECIES THAT MEET THE ORIGINAL INTENT OF THE APPROVED LANDSCAPE DESIGN WITHIN FORTY-FIVE (45) DAYS OR SOONER IN THE EVENT OF A CONTAGIOUS DISEASE OR INVASIVE INSECT SPECIES. TOWN OF CASTLE ROCK IS NOT RESPONSIBLE FOR PLANT REPLACEMENTS.

- IRRIGATION**
1. INSTALLING CONTRACTOR SHALL CONTACT CASTLE ROCK WATER AT 720-733-6017 TO SCHEDULE A PRE-CONSTRUCTION MEETING PRIOR TO BEGINNING THE IRRIGATION INSTALLATION
 2. IRRIGATION SHALL BE INSTALLED BY A TOWN OF CASTLE ROCK REGISTERED LANDSCAPE PROFESSIONAL.
 3. BACKFLOW TO BE TESTED BY A CERTIFIED BACKFLOW TECHNICIAN APPROVED BY THE UTILITY DEPARTMENT WITHIN TEN (10) DAYS OF THE IRRIGATION METER INSTALLATION AND ANNUALLY THEREAFTER.
 4. AN IRRIGATION EXEMPTION MUST BE OBTAINED FROM CASTLE ROCK WATER IF IRRIGATING NATIVE SEED OR SOD ON A DAILY BASIS FOR ESTABLISHMENT DURING THE MONTHS OF JUNE AND AUGUST. AN IRRIGATION EXEMPTION WILL NOT BE ISSUED DURING THE MONTH OF JULY.
 5. THE IRRIGATION SYSTEM MUST BE DESIGNED TO OPERATE WITHIN THE TOWN OF CASTLE ROCK WATER USE MANAGEMENT PLAN. CURRENT COMMERCIAL HOURS OF OPERATION ARE THREE (3) FIXED DAYS A WEEK FROM 10:00 PM - 6:00 AM
 6. OVERHEAD IRRIGATION AREAS LESS THAN TEN (10) FEET IN WIDTH OR ON SLOPES OF GREATER THAN 3:1 WILL NOT BE APPROVED BY THE TOWN OF CASTLE ROCK INSPECTORS.
 7. ALL IRRIGATION INSTALLATIONS MUST MEET THE TOWN OF CASTLE ROCK DETAILS.
 8. PLEASE NOTE THAT THE IRRIGATION TAP, LINE METER AND BACKFLOW PREVENTION ASSEMBLY MUST BE THE SAME SIZE FROM THE TAP TO A MINIMUM DISTANCE OF TEN (10) PIPE DIAMETERS PAST THE BACKFLOW PREVENTION ASSEMBLY AND WINTERIZATION TEE.
 9. ALL SPRINKLER HEADS TO BE ADJUSTED TO MINIMIZE/ELIMINATE OVER-SPRAY ON TO HARD SURFACES AND/OR UNINTENDED AREAS, PER THE TOWN OF CASTLE ROCK WATER USE MANAGEMENT PLAN IS NOT ALLOWED.
 10. IRRIGATION SYSTEMS ARE TO BE WINTERIZED ANNUALLY IN THE FALL.

TOWN APPROVAL BLOCK

APPROVED BY:



By jkirpatrick
on 09/30/2025

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

DEVELOPMENT SERVICES
APPROVED

APPROVED-CD24-0036 Plans.pdf
Record Document on File

DEVELOPMENT SERVICES

DATE

MURPHY OIL USA, INC.

200 PEACH STREET
EL DORADO, AR 71730



SHEET NO.

LP-2

Sheet 21 of 28

Galloway

1155 Kelly Johnson Blvd., Suite 305
Colorado Springs, CO 80920
719.590.7220 Kyle Goodwin, P.E.
GallowayUS.com

REV.-# 8/20/2025 MOC89 DATE

ASA ASA KRC MOC89 PM PRN

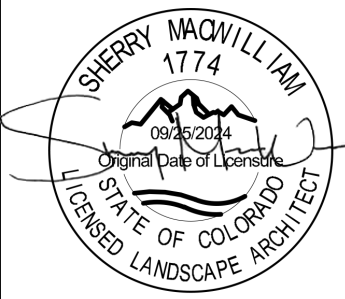
ASA ASA DES DRW

LANDSCAPE NOTES & SCHEDULE

MURPHY USA (NTI)

186 METZLER DRIVE

CASTLE ROCK COLORADO



PLANTING NOTES

GENERAL

- ALL WORK SHALL CONFORM TO ALL APPLICABLE STATE AND LOCAL CODES, STANDARDS, AND SPECIFICATIONS.
 - LANDSCAPE DESIGN IS DIAGRAMMATIC IN NATURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN TAKEOFFS AND QUANTITY CALCULATIONS. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLAN AND THE LANDSCAPE LEGEND, THE PLANT QUANTITY AS SHOWN ON THE PLAN SHALL TAKE PRECEDENCE AND NOTIFY THE LANDSCAPE ARCHITECT OF THESE DISCREPANCIES. MINOR ADJUSTMENTS TO THE LANDSCAPE MATERIAL AND LOCATIONS MAY BE PROPOSED FOR CITY CONSIDERATION AT THE CONSTRUCTION DOCUMENT STAGE TO RESPOND TO MARKET AND FIELD CONDITIONS. HOWEVER, THERE SHALL BE NO REDUCTION IN THE NUMBER AND SIZE OF MATERIALS.
 - CONTRACTOR SHALL MAKE HIMSELF AWARE OF THE LOCATIONS OF EXISTING AND PROPOSED UTILITIES, AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE UTILITIES AND/OR ANY INJURY TO ANY PERSON. THIS DRAWING IS PART OF A COMPLETE SET OF CONTRACT DOCUMENTS. UNDER NO CIRCUMSTANCES SHOULD THIS PLAN BE USED FOR CONSTRUCTION PURPOSES WITHOUT EXAMINING ACTUAL LOCATIONS OF UTILITIES ON SITE AND REVIEW ALL RELATED PLANS AND DOCUMENTS.
 - ALL UTILITY EASEMENTS SHALL REMAIN UNOBSTRUCTED AND FULLY ACCESSIBLE ALONG THEIR ENTIRE LENGTH FOR MAINTENANCE EQUIPMENT.
 - THE CONTRACTOR SHALL TAKE EXTREME CARE NOT TO DAMAGE ANY EXISTING PLANTS INDICATED AS "TO REMAIN". ANY SUCH PLANTS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED WITH THE SAME SPECIES, SIZE, AND QUANTITY AT THE CONTRACTOR'S OWN EXPENSE, AND AS ACCEPTABLE TO THE OWNER. REFER TO THE TREE PROTECTION NOTES ON THE PLANS (AS APPLICABLE).
 - LANDSCAPE CONTRACTOR SHALL EXAMINE THE SITE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED AND NOTIFY THE GENERAL CONTRACTOR IN WRITING OF UNSATISFACTORY CONDITIONS. IF SITE CONDITIONS OR PLANT AVAILABILITY REQUIRE CHANGES TO THE PLAN, THEN AN APPROVAL WILL BE OBTAINED FROM THE CITY. DO NOT PROCEED UNTIL CONDITIONS HAVE BEEN CORRECTED.
 - ALL CONSTRUCTION DEBRIS AND MATERIAL SHALL BE REMOVED AND CLEANED OUT PRIOR TO INSTALLATION OF TOPSOIL, TREES, SHRUBS, AND TURF.
 - FOR ALL INFORMATION ON SURFACE MATERIAL OF WALKS, DRIVES, AND PARKING LOTS, SEE THE SITE PLAN. SEE PHOTOMETRIC PLAN FOR FREE STANDING LIGHTING INFORMATION.
 - THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT ONE WEEK PRIOR TO BEGINNING CONSTRUCTION.
 - WINTER WATERING SHALL BE AT THE EXPENSE OF THE CONTRACTOR UNTIL SUCH TIME AS FINAL ACCEPTANCE IS RECEIVED.
 - ALL LANDSCAPE CONSTRUCTION PRACTICES, WORKMANSHIP, AND ETHICS SHALL, BE IN ACCORDANCE WITH INDUSTRY STANDARDS SET FORTH IN THE CONTRACTORS HANDBOOK PUBLISHED BY THE COLORADO LANDSCAPE CONTRACTORS ASSOCIATION.
 - LANDSCAPE AND IRRIGATION WORK SHALL BE COMPLETED PRIOR TO THE ISSUANCE OF THE FINAL CERTIFICATE OF OCCUPANCY.
- FINISH GRADING AND SOIL PREPARATION
- CONTRACTOR SHALL CONSTRUCT AND MAINTAIN FINISH GRADES AS RECOMMENDED BY THE GEOTECHNICAL REPORT. ALL LANDSCAPE AREAS SHALL HAVE POSITIVE DRAINAGE AWAY FROM STRUCTURES AT THE MINIMUM SLOPE SPECIFIED IN THE REPORT, AND AREAS OF POTENTIAL PONDING SHALL BE REGRADED TO BLEND IN WITH THE SURROUNDING GRADES AND ELIMINATE PONDING POTENTIAL. SHOULD ANY CONFLICTS AND/OR DISCREPANCIES ARISE BETWEEN THE GEOTECHNICAL REPORT, THE GRADING PLANS, THESE NOTES, AND ACTUAL CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY BRING SUCH ITEMS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT AND OWNER.
 - AFTER FINISH GRADES HAVE BEEN ESTABLISHED, IT IS RECOMMENDED THAT THE CONTRACTOR SHALL HAVE SOIL SAMPLES TESTED BY AN ESTABLISHED SOIL TESTING LABORATORY FOR THE FOLLOWING: GENERAL SOIL FERTILITY, PH, ORGANIC MATTER CONTENT, SALT (CEC), LIME, SODIUM ADSORPTION RATIO (SAR) AND BORON CONTENT. EACH SAMPLE SUBMITTED SHALL CONTAIN NO LESS THAN ONE QUART OF SOIL. CONTRACTOR SHALL ALSO SUBMIT THE PROJECT'S PLANT LIST TO THE LABORATORY ALONG WITH THE SOIL SAMPLES. THE SOIL REPORT PRODUCED BY THE LABORATORY SHALL CONTAIN RECOMMENDATIONS FOR THE FOLLOWING (AS APPROPRIATE): GENERAL SOIL PREPARATION AND BACKFILL MIXES, PRE-PLANT FERTILIZER APPLICATIONS, AND ANY OTHER SOIL RELATED ISSUES. THE REPORT SHALL ALSO PROVIDE A FERTILIZER PROGRAM FOR THE ESTABLISHMENT PERIOD AND FOR LONG-TERM MAINTENANCE.
 - THE CONTRACTOR SHALL RECOMMEND INSTALLATION OF SOIL AMENDMENTS AND FERTILIZERS PER THE SOILS REPORT FOR THE THE OWNER/OWNER'S REPRESENTATIVE CONSIDERATION.
 - AT A MINIMUM, ALL TOPSOIL SHALL BE AMENDED WITH NITROGEN STABILIZED ORGANIC AMENDMENT COMPOST AT A RATE OF 5.0 CUBIC YARDS AND AMMONIUM PHOSPHATE 16-20-0 AT A RATE OF 15 POUNDS PER THOUSAND SQUARE FEET OF LANDSCAPE AREA. COMPOST SHALL BE MECHANICALLY INTEGRATED INTO THE TOP 6" OF SOIL BY MEANS OF ROTOTILLING AFTER CROSS-RIPPING. GROUND COVER & PERENNIAL BED AREAS SHALL BE AMENDED AT A RATE OF 8 CUBIC FEET PER THOUSAND SQUARE FEET OF NITROGEN STABILIZED ORGANIC AMENDMENT AND 10 LBS. OF 12-12-12 FERTILIZER PER CU. YD., ROTOTILLED TO A DEPTH OF 6". NO MANURE OR ANIMAL-BASED PRODUCTS SHALL BE USED FOR ORGANIC AMENDMENTS.

PLANTING

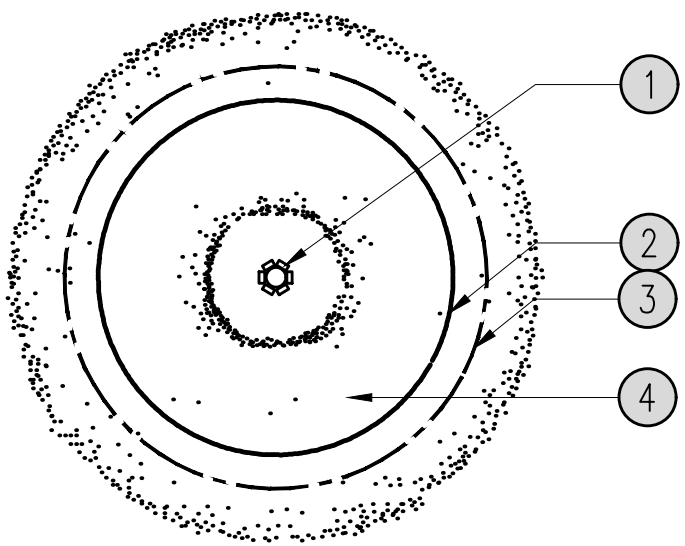
- ALL DECIDUOUS TREES SHALL HAVE FULL, WELL-SHAPED HEADS/ALL EVERGREENS SHALL BE UNSHEARED AND FULL TO THE GROUND; UNLESS OTHERWISE SPECIFIED. TREES WITH CENTRAL LEADERS WILL NOT BE ACCEPTED IF LEADER IS DAMAGED OR REMOVED. PRUNE ALL DAMAGED TWIGS AFTER PLANTING.
- ALL PLANTS WITHIN A SPECIES SHALL HAVE SIMILAR SIZE, AND SHALL BE OF A FORM TYPICAL FOR THE SPECIES. ANY PLANT DEEMED UNACCEPTABLE BY THE LANDSCAPE ARCHITECT SHALL BE IMMEDIATELY REMOVED FROM THE SITE AND SHALL BE REPLACED WITH AN ACCEPTABLE PLANT OF LIKE TYPE AND SIZE AT THE CONTRACTOR'S OWN EXPENSE. ANY PLANTS APPEARING TO BE UNHEALTHY, EVEN IF DETERMINED TO STILL BE ALIVE, SHALL NOT BE ACCEPTED. THE LANDSCAPE ARCHITECT SHALL BE THE SOLE JUDGE AS TO THE ACCEPTABILITY OF PLANT MATERIAL.
- ALL TREES SHALL BE GUYED AND WOOD STAKED AS PER DETAILS. NO "T-STAKES" SHALL BE USED FOR TREES.
- ALL PLANT MATERIALS SHALL BE TRUE TO TYPE, SIZE, SPECIES, QUALITY, AND FREE OF INJURY, BROKEN ROOT BALLS, PESTS, AND DISEASES, AS WELL AS CONFORM TO THE MINIMUM REQUIREMENTS DESCRIBED IN THE "AMERICAN STANDARD FOR NURSERY STOCK". FOLLOW GREENCO TREE PLANTING RECOMMENDATIONS FOR MINIMUM QUALITY REQUIREMENTS FOR TREES.
- ALL TREE AND SHRUB BED LOCATIONS ARE TO BE STAKED OUT ON SITE FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- ALL TREES PLANTED ADJACENT TO PUBLIC AND/OR PEDESTRIAN WALKWAYS SHALL BE PRUNED CLEAR OF ALL BRANCHES BETWEEN GROUND AND A HEIGHT OF EIGHT (8) FEET FOR THAT PORTION OF THE PLAN LOCATED OVER THE SIDEWALK AND/OR ROAD.
- ALL PLANT MATERIAL SHALL NOT BE PLANTED PRIOR TO INSTALLATION OF TOPSOIL.
- ALL PLANT BEDS SHALL BE CONTAINED WITH STEEL EDGER. STEEL EDGER IS NOT REQUIRED ALONG CURBS, WALKS OR BUILDING FOUNDATIONS. ALL EDGING SHALL OVERLAP AT JOINTS A MINIMUM OF 6-INCHES, AND SHALL BE FASTENED WITH A MINIMUM OF 4 PINS PER EACH 10 FOOT SECTION. THE TOP OF ALL EDGING MATERIAL SHALL BE A ROLLED TOP AND 1/2 INCH ABOVE THE FINISHED GRADE OF ADJACENT LAWN OR MULCH AREAS. COLOR: GREEN.
- THE DEVELOPER, HIS SUCCESSOR, OR ASSIGNEE SHALL BE RESPONSIBLE FOR ESTABLISHING AND CONTINUING A REGULAR PROGRAM OF MAINTENANCE FOR ALL LANDSCAPED AREAS. SEE LANDSCAPE GUARANTEE AND MAINTENANCE NOTE.
- A 3-FOOT CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF ALL FIRE HYDRANTS.
- LANDSCAPE CONTRACTOR TO SUBMIT SAMPLES OF MISCELLANEOUS LANDSCAPING MATERIALS TO THE LANDSCAPE ARCHITECTS AND OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION, I.E.: MULCH, EDGER, LANDSCAPE FABRIC, ETC.

MULCHING

- AFTER ALL PLANTING IS COMPLETE, THE CONTRACTOR SHALL INSTALL A MINIMUM 4" THICK LAYER OF MULCH AS SPECIFIED IN THE PLANTING LEGEND. INSTALL A 4" THICK RING OF DOUBLE SHREDDED CEDAR BARK MULCH AROUND ALL PLANT MATERIAL IN ROCK MULCH BEDS WHERE LANDSCAPING IS SHOWN ON THE PLANS. WOOD MULCH RING SIZE SHALL BE THE CONTAINER SIZE OF THE SHRUBS, PERENNIALS, AND ORNAMENTAL GRASSES. TREE RING SIZE SHALL A MIN OF 3' DIA AND SHALL BE PROVIDED WITHIN LAWN AND ROCK MULCH BEDS.
- ALL MULCH SHALL BE HARVESTED IN A SUSTAINABLE MANNER FROM A LOCAL SOURCE.
- INSTALL DEWITT PRO-5 WEED BARRIER FABRIC UNDER ALL ROCK MULCH SHRUB BEDS SPECIFIED ON THE PLANS ONLY. NO LANDSCAPE FABRIC SHALL BE USED IN WOOD MULCH AREAS. NO PLASTIC WEED BARRIERS SHALL BE SPECIFIED.
- ABSOLUTELY NO EXPOSED GROUND SHALL BE LEFT SHOWING ANYWHERE ON THE PROJECT AFTER MULCH HAS BEEN INSTALLED.
- ALL PLANTING AREAS WITH LESS THAN A 4:1 GRADIENT SHALL RECEIVE A LAYER OF MULCH, TYPE AND DEPTH PER PLANS. SUBMIT 1 CUBIC FOOT SAMPLE OF MULCH (ONE SAMPLE PER TYPE) TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION. THE MULCH SHALL BE SPREAD EVENLY THROUGHOUT ALL PLANTING AREAS EXCEPT SLOPES 4:1 OR STEEPER, OR AS OTHERWISE DENOTED ON THE PLAN. ABSOLUTELY NO EXPOSED GROUND SHALL REMAIN IN AREAS TO RECEIVE MULCH AFTER MULCH HAS BEEN INSTALLED.
- ALL PLANTING AREAS ON SLOPES OVER 4:1 SHALL RECEIVE COCONUT FIBER EROSION CONTROL NETTING FROM ROLLS. NETTING SHALL BE #CT-125, AS MANUFACTURED BY NORTH AMERICAN GREEN (OR EQUAL). INSTALL AND STAKE PER MANUFACTURER'S SPECIFICATIONS. SEE ALSO THE CIVIL ENGINEER'S EROSION CONTROL PLAN.

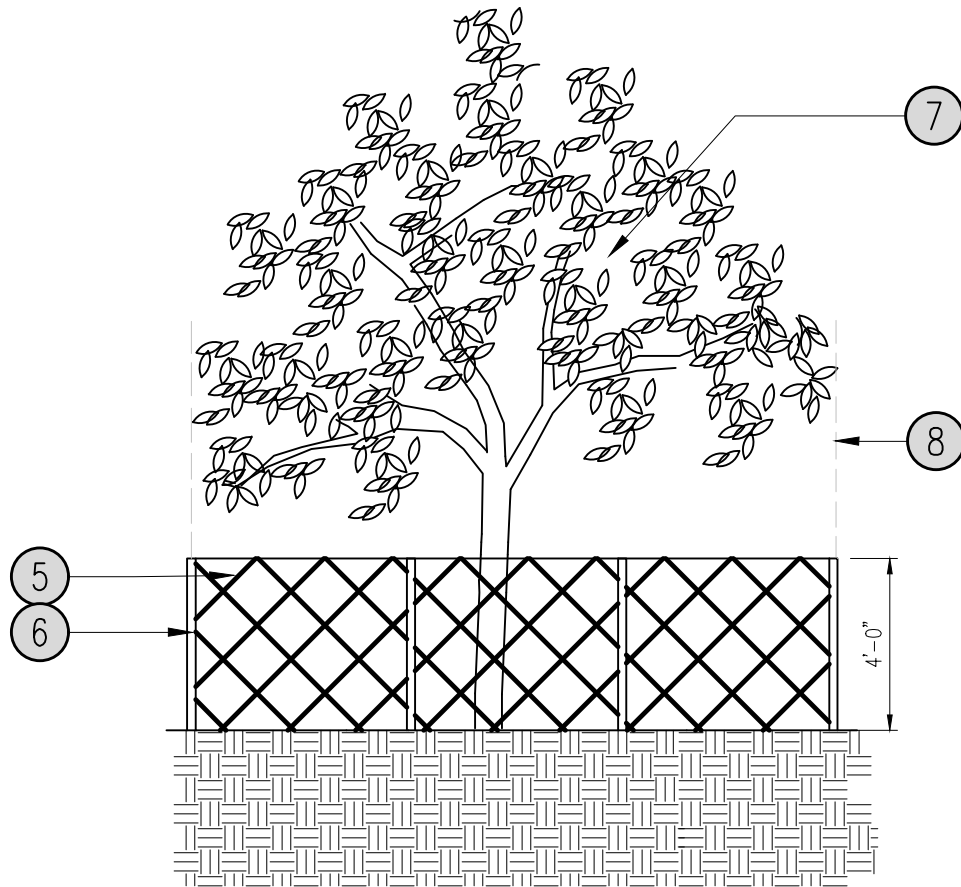
TREE PROTECTION NOTES:

- USE TOWN OF CASTLE ROCK TREE PROTECTION NOTES (IF AVAILABLE). TREE PROTECTION NOTES BELOW SHALL BE USED FOR FURTHER INTEGRATION.
- "PROTECTED ZONE" FOR EXISTING TREES: BEFORE BEGINNING ANY DEMOTION OR CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL INSTALL TEMPORARY FENCING AROUND ALL EXISTING TREES WITHIN THE CONSTRUCTION ZONE THAT ARE TO BE SAVED. THE FENCE SHALL BE INSTALLED NO CLOSER TO THE TREE THAN THE EDGE OF THE TREE'S PROTECTED ZONE, GENERALLY DEFINED AS THE AREA BEGINNING FIVE FEET OUTSIDE OF THE TREE'S DRIPLINE AND EXTENDING TOWARDS THE TREE (OR AS FAR AWAY FROM THE TRUNK AS PRACTICABLE). THE FENCING SHALL BE OF A MATERIAL AND HEIGHT ACCEPTABLE TO THE LANDSCAPE ARCHITECT. ALL CONTRACTORS AND THEIR CREWS SHALL NOT BE ALLOWED INSIDE THIS "PROTECTED ZONE" NOR SHALL THEY BE ALLOWED TO STORE OR DUMP FOREIGN MATERIALS WITHIN THIS AREA. NO WORK OF ANY KIND, INCLUDING TRENCHING, SHALL BE ALLOWED WITHIN THE PROTECTED ZONE EXCEPT AS DESCRIBED BELOW. THE FENCING SHALL REMAIN AROUND EACH TREE TO BE SAVED UNTIL THE COMPLETION OF CONSTRUCTION OPERATIONS.
- TEMPORARY MULCH: TO ALLEVIATE SOIL COMPACTION IN ANTICIPATED AREAS OF HIGH CONSTRUCTION TRAFFIC, AND ONLY WHERE FENCING CANNOT BE SET FIVE FEET OUTSIDE OF THE DRIPLINE, THE CONTRACTOR SHALL INSTALL A LAYER OF MULCH, 9"-12" THICK, OVER ALL EXPOSED EARTH FROM THE TREE TRUNK TO 5' OUTSIDE OF THE DRIPLINE. THIS LAYER SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. WHEN PLANTING OPERATIONS ARE COMPLETED, THE MULCH SHALL BE REDISTRIBUTED THROUGHOUT ALL PLANTING AREAS IN A 3" THICK "PERMANENT" MULCH LAYER.
- NECESSARY WORK: WHEN IT BECOMES NECESSARY TO ENTER THE "PROTECTED ZONE", SUCH AS FOR FINE GRADING, IRRIGATION INSTALLATION, AND PLANTING OPERATIONS, THE CONTRACTOR SHALL STRICTLY ADHERE TO THE FOLLOWING RULES:
 - EVERY EFFORT SHALL BE MADE TO PRESERVE THE EXISTING GRADE AROUND PROTECTED TREES IN AS WIDE AN AREA AS POSSIBLE.
 - TRENCHING WITHIN THE PROTECTED ZONE OF EXISTING TREES SHALL BE PERFORMED BY HAND, AND WITH EXTREME CARE NOT TO SEVER ROOTS 1-1/2" IN DIAMETER AND LARGER. WHERE ROOTS 1-1/2" IN DIAMETER AND LARGER ARE ENCOUNTERED, THE CONTRACTOR SHALL TUNNEL UNDER SAID ROOTS. EXPOSED ROOTS THAT HAVE BEEN TUNNELED UNDER SHALL BE WRAPPED IN WET BURLAP AND KEPT MOIST WHILE THE TRENCH IS OPEN.
 - WHERE ROOTS 1-1/2" IN DIAMETER OR LARGER MUST BE CUT DUE TO EXTENSIVE GRADE CHANGES, THOSE ROOTS MUST BE EXPOSED BY HAND DIGGING AND CUT CLEANLY. RAGGED CUTS GENERALLY DO NOT HEAL PROPERLY, AND MAY LEAVE THE TREE OPEN TO PESTS AND PATHOGENS.
 - WHERE TRENCHING NEAR TREES HAS ALREADY OCCURRED FROM PREVIOUS CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL MAKE EVERY EFFORT TO CONFINE HIS TRENCHING OPERATIONS TO THE PREVIOUSLY-CREATED TRENCHES, WHILE ADHERING TO THE CONDITIONS SET FORTH IN 3B.
- POTENTIAL CONFLICTS: THE CONTRACTOR SHALL NOTIFY THE OWNER AND ARBORIST SHOULD ANY POTENTIAL CONFLICTS ARISE BETWEEN THESE SPECIFICATIONS AND/OR LARGE ROOTS ENCOUNTERED IN THE FIELD, AND CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL NOT TAKE ANY ACTION IN SUCH CONFLICTS WITHOUT THE ARBORIST'S WRITTEN APPROVAL. THE ARBORIST SHALL HAVE FINAL AUTHORITY OVER ALL METHODS NECESSARY TO HELP ENSURE THE PROTECTION AND SURVIVAL OF EXISTING TREES.
- PRUNING: PRUNE ONLY THE TREES THAT ARE INDICATED ON THE PLANS AS REQUIRING PRUNING. PRUNE TREES ACCORDING TO INTERNATIONAL SOCIETY OF ARBORICULTURE / ANSI A300 STANDARDS:
 - REMOVE ALL DEAD WOOD.
 - PRUNE LIVE WOOD FOR HEALTH OR STRUCTURAL REASONS ONLY, INCLUDING THE NEED TO ELIMINATE DISEASED OR DAMAGED GROWTH, ELIMINATE STRUCTURALLY UNSOUND GROWTH, REDUCE THE POTENTIAL FOR WIND TOPPING OR WIND DAMAGE, OR TO MAINTAIN GROWTH WITHIN LIMITED SPACE. DO NOT REMOVE MORE THAN 25% OF ANY TREE'S LIVE FOLIAGE IN ANY ONE GROWING SEASON. PRUNE ONLY TO INTERNATIONAL SOCIETY OF ARBORICULTURE/ANSI A300 STANDARDS, AND ONLY UNDER THE DIRECT SUPERVISION OF A CERTIFIED ARBORIST.
 - FINAL CUTS SHALL BE MADE JUST OUTSIDE THE SHOULDER RING AREA. EXTREMELY FLUSHED CUTS WHICH PRODUCE LARGE WOUNDS SHALL NOT BE MADE.
 - ALL TRIMMING CUTS SHALL BE PERFORMED IN SUCH A MANNER AS TO PROMOTE THE NATURAL GROWTH AND SHAPE OF EACH TREE SPECIES.
 - IMPROPER PRUNING METHODS INCLUDING, BUT NOT LIMITED TO, "TOPPING", "TIPPING", "HEADING BACK", "DEHORNING", AND "LIONTAILING" WILL NOT BE ALLOWED. THE CONTRACTOR SHALL PAY FOR ALL WORK NECESSARY TO CORRECT SUCH PRUNING WHEN PERFORMED BY HIS CREWS OR SUBCONTRACTORS.
 - SHOULD THE CONTRACTOR REQUIRE MORE INFORMATION, THE CONTRACTOR SHALL CONTACT THE ISA AT (217) 355-9411 FOR A COPY OF THE ANSI A300 PRUNING STANDARDS. CONTRACTOR SHALL ADHERE TO THE METHODS AND PRACTICES SET FORTH IN THIS DOCUMENT.
- LANDSCAPE AND IRRIGATION (NATIVE TREES ONLY): ANY FUTURE LANDSCAPE AND IRRIGATION SHOULD ADHERE TO THE FOLLOWING GUIDELINES:
 - NO IRRIGATION OR PLANTING SHOULD OCCUR CLOSER THAN 8'-10" FROM THE TRUNK.
 - WHERE IRRIGATION DOES OCCUR WITHIN THE PROTECTED ZONE, DRIP IRRIGATION SHOULD BE USED WHEREVER POSSIBLE. ADDITIONALLY, ONLY PLANTS WITH LOW WATER NEEDS SHOULD BE PLANTED WITHIN THE PROTECTED ZONE, SPACED FAR APART WHERE CLOSE TO THE TREE. PLANTS MAY BE SPACED CLOSER TOGETHER NEAR THE EDGE OF THE PROTECTED ZONE.



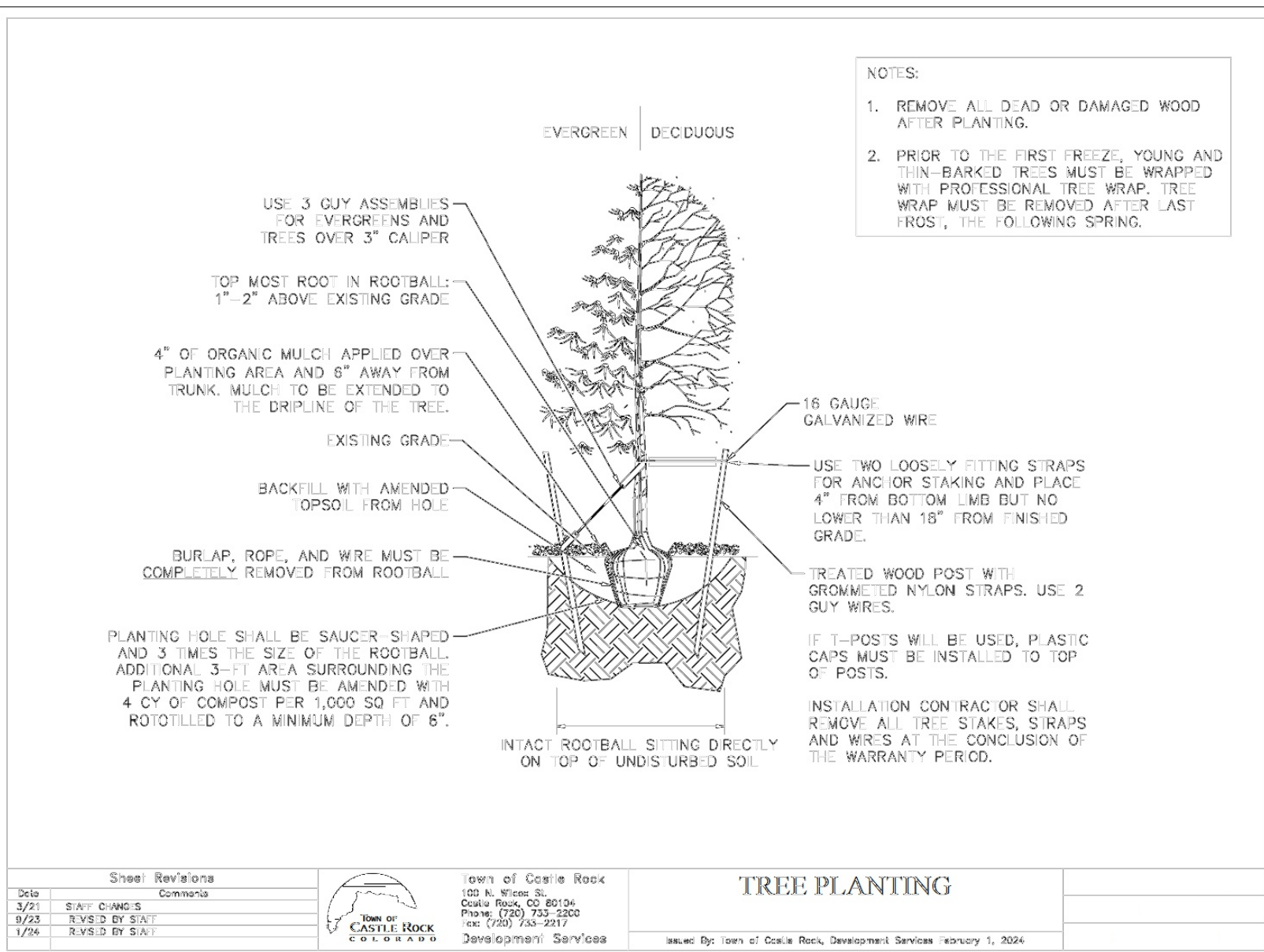
1. TRUNK PROTECTION: BOARDS MIN. 2" THICK. BENEATH BOARDS ARE 3-4 LAYERS OF BURLAP AROUND TRUNK. THE BOARDS SECURELY AT TOP, BOTTOM & CENTER WITH HEAVY DUTY CORD, WIRE, OR CABLE CHOKERS.
2. OUTLINE OF TREE CROWN (EDGE OF DRIPLINE) CORRESPONDS WITH ROOT SPREAD.
3. CONSTRUCTION FENCING (MIN. 4' HEIGHT)
4. WOOD MULCH - SEE MULCH
5. PLASTIC ORANGE CONSTRUCTION FENCE TIED TO T-POST
6. T-POST AT 8'-0" O.C. (TYP.)
7. EXISTING TREE
8. DRIPLINE

1 TREE PROTECTION DETAIL
N.T.S.



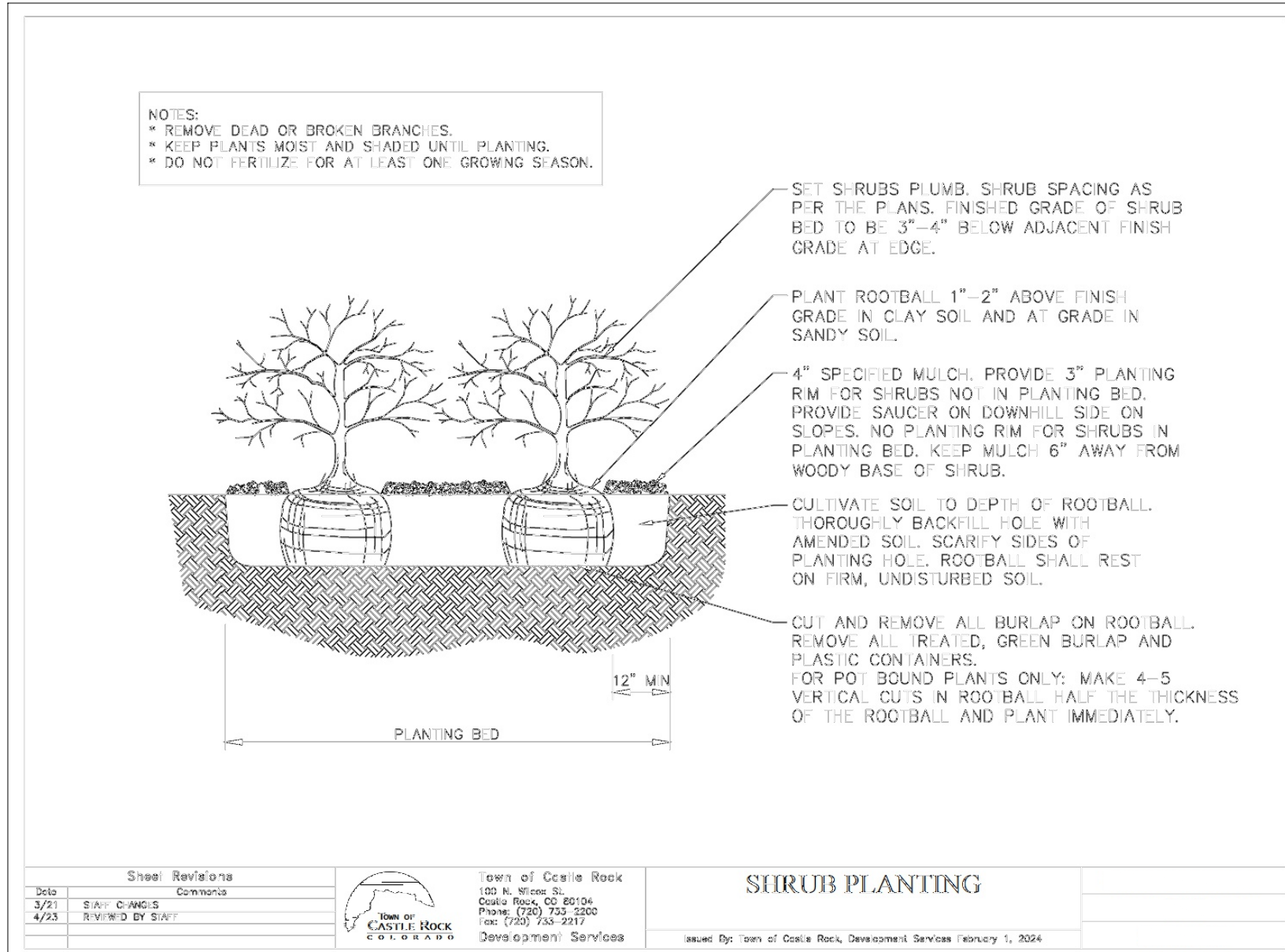
1. FINISH GRADE
2. 1/3 TO 1/2 OF BOULDER SHALL BE BURIED
3. COMPACTED SUBGRADE
4. HARVEST BOULDERS FROM A LOCAL SOURCE, REFERENCE SPECIFICATIONS FOR TYPE & PLANS FOR LOCATIONS.

2 LANDSCAPE BOULDER
N.T.S.



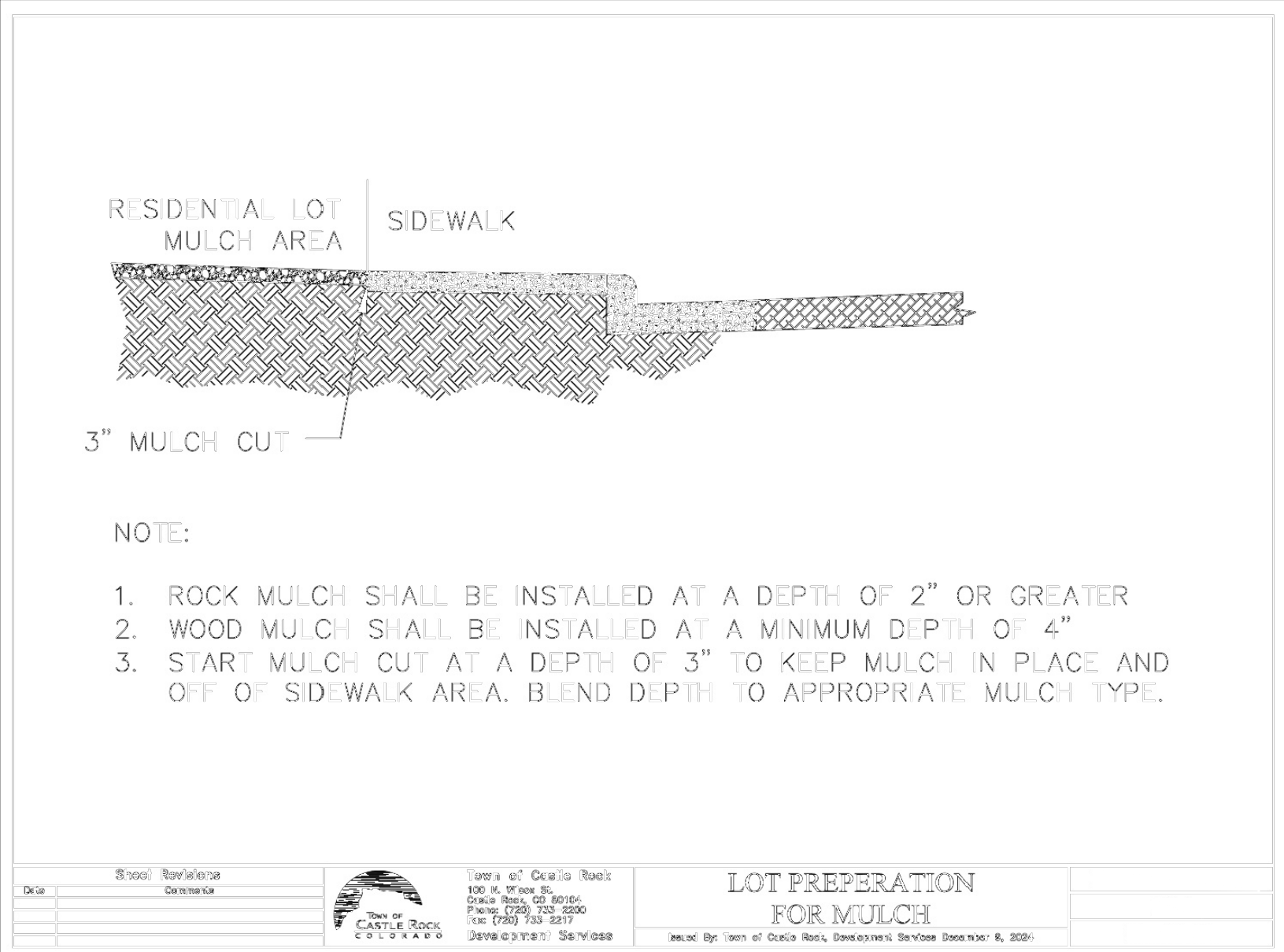
- NOTES:
- REMOVE ALL DEAD OR DAMAGED WOOD AFTER PLANTING.
 - PRIOR TO THE FIRST FREEZE, YOUNG AND THIN-BARKED TREES MUST BE WRAPPED WITH PROFESSIONAL TREE WRAP. TREE WRAP MUST BE REMOVED AFTER LAST FROST OF THE FOLLOWING SEASON.

Sheet Revisions		Town of Castle Rock		TREE PLANTING	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
08/20/2025	ASA	DESIGNED BY S.A.T.	08/20/2025	ASA	DESIGNED BY S.A.T.
08/20/2025	ASA	DESIGNED BY S.A.T.	08/20/2025	ASA	DESIGNED BY S.A.T.



- NOTES:
- REMOVE DEAD OR BROKEN BRANCHES.
 - KEEP PLANTS MOIST AND SHADED UNTIL PLANTING.
 - DO NOT FERTILIZE OR APPLY FERTILIZER DURING GROWING SEASON.

Sheet Revisions		Town of Castle Rock		SHRUB PLANTING	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
08/20/2025	ASA	DESIGNED BY S.A.T.	08/20/2025	ASA	DESIGNED BY S.A.T.
08/20/2025	ASA	DESIGNED BY S.A.T.	08/20/2025	ASA	DESIGNED BY S.A.T.



Sheet Revisions		Town of Castle Rock		LOT PREPARATION FOR MULCH	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
08/20/2025	ASA	DESIGNED BY S.A.T.	08/20/2025	ASA	DESIGNED BY S.A.T.
08/20/2025	ASA	DESIGNED BY S.A.T.	08/20/2025	ASA	DESIGNED BY S.A.T.

TOWN APPROVAL BLOCK

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

DEVELOPMENT SERVICES
APPROVED
By Kirkpatrick
on 09/30/2025
APPROVED-CD24-0036 Plans.pdf
Record Document on File

APPROVED BY: **TOWN OF CASTLE ROCK**

DEVELOPMENT SERVICES DATE

MURPHY OIL USA, INC.

200 PEACH STREET
EL DORADO, AR 71730

MURPHY
USA

SHEET NO.

LP-3

Sheet 22 of 28

REV.-# 8/20/2025 WOC89 PM PRN DATE

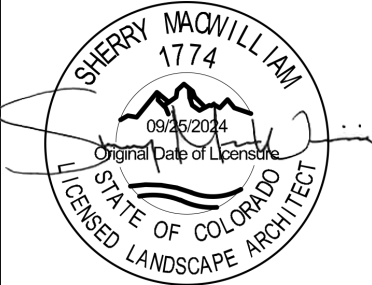
ASA ASA KRC PM PRN DES DRW

LANDSCAPE NOTES & DETAILS

MURPHY USA (NTI)

186 METZLER DRIVE

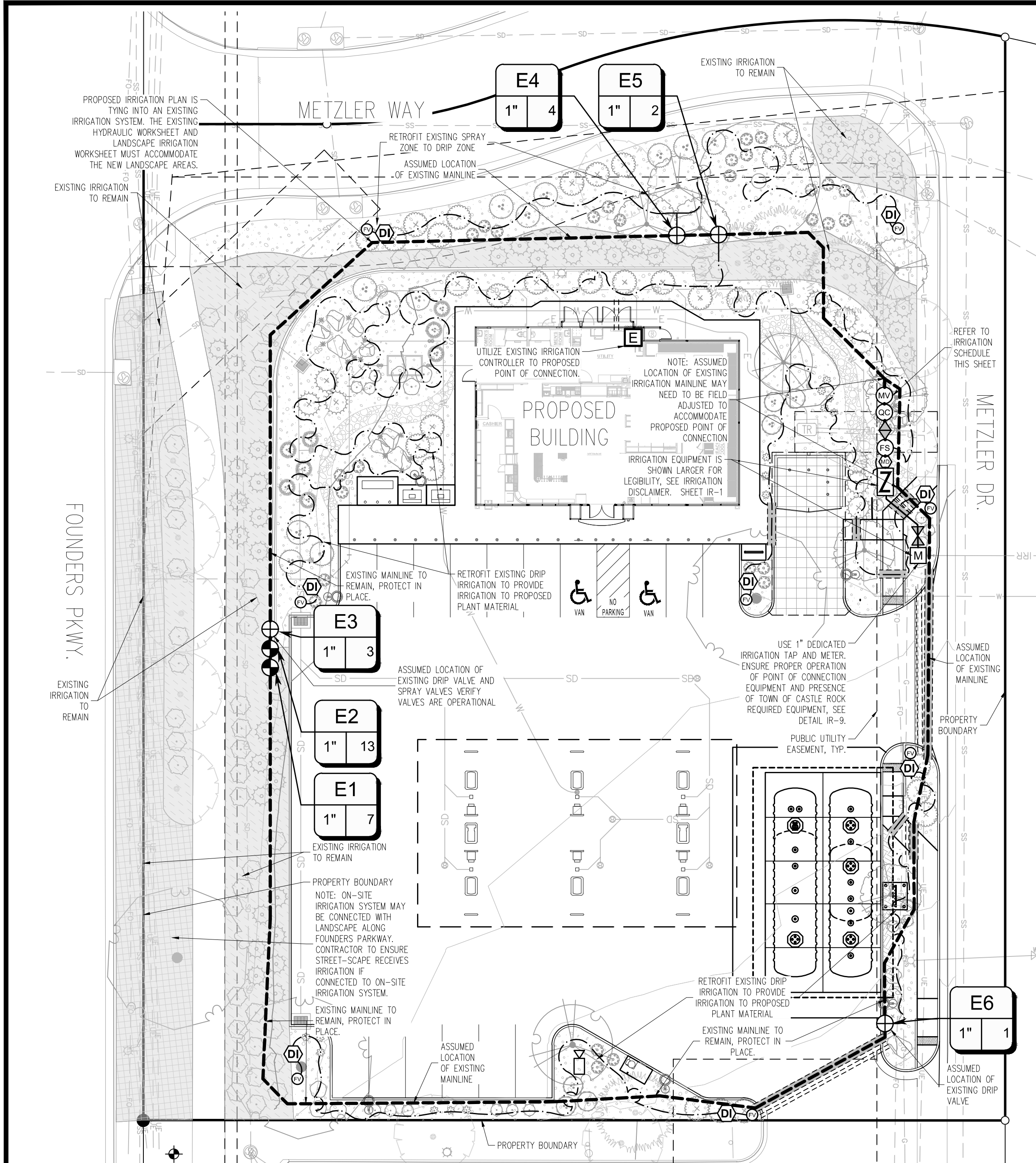
CASTLE ROCK COLORADO



Galloway

1155 Kelly Johnson Blvd, Suite 305
Colorado Springs, CO 80920
719.590.7220 Kyle Goodman, P.E.

GallowayUS.com



CONTRACTOR NOTE

1. CONTRACTOR TO ENSURE IRRIGATION SYSTEM IS IN PLACE AND OPERATIONAL PRIOR TO INSTALLATION.
2. CONTRACTOR TO RETROFIT AND EXTEND THE EXISTING IRRIGATION SYSTEM TO NEWLY ADDED PLANT MATERIAL SHOWN ON THE LANDSCAPE PLAN.
3. ALL IRRIGATION EQUIPMENT AND COMPONENTS USED, SHALL MATCH THE EXISTING IRRIGATION SYSTEM.
4. CONTRACTOR TO ENSURE THE RETROFITTED IRRIGATION SYSTEM IS OPERATIONAL UPON COMPLETION.
5. CONTACT THE LANDSCAPE ARCHITECT WITH ANY QUESTIONS REGARDING THIS RETROFIT.
6. VERIFY THE EXISTING IRRIGATION SYSTEM PRIOR TO DEMOLITION IDENTIFYING KEY COMPONENTS INCLUDING POINT OF CONNECTION, MAINLINE LOCATION, CONTROL VALVE(S) AND AUTOMATIC CONTROLLER.
7. MAKE NECESSARY ADJUSTMENTS TO THE EXISTING IRRIGATION SYSTEM TO FACILITATE WATERING OF THE EXISTING LANDSCAPE DURING CONSTRUCTION.
8. MODIFY THE EXISTING IRRIGATION SYSTEM, UNIFYING IT WITH THE NEW LANDSCAPE AND IRRIGATION SYSTEM.
9. **SEE NOTE ON PLAN IN REFERENCE TO HYDRAULIC WORKSHEET AND LANDSCAPE IRRIGATION WORKSHEET.**

WIRING/SLEEVING NOTES

IN ADDITION TO PROVIDING SLEEVES FOR ALL PIPING UNDER ROADWAYS AND WALKWAYS, PROVIDE AND INSTALL SCH. 40 PVC SLEEVES FOR ALL CONTROLLER WIRES OCCURRING UNDER ALL ROADWAYS AND WALKWAYS. SLEEVES FOR CONTROLLER WIRES SHALL BE 1-1/2" DIA.

IRRIGATION DISCLAIMER

1. DRAWINGS ARE DIAGRAMMATIC. IRRIGATION COMPONENTS MAY BE SHOWN OUTSIDE OF PLANTING AREAS FOR CLARITY ONLY. CONTRACTOR SHALL AVOID CONFLICTS WITH PLANT MATERIALS AND ARCHITECTURAL FEATURES ALL PIPING AND WIRING SHALL BE INSTALLED IN PLANTING AREA OR IN SLEEVES. NO PIPING UNDER TREES OR SHRUBS WILL BE ACCEPTED.
2. CONTRACTOR SHALL INSTALL MAINLINES ±12" FROM PAVEMENT EDGE IN PLANTING AREAS. ALL PIPING, VALVES, AND OTHER EQUIPMENT SHOWN WITHIN PAVED AREAS OR OUT OF PROPERTY BOUNDARIES ARE FOR DESIGN CLARIFICATION ONLY, AND SHALL BE INSTALLED IN PLANTING AREAS WITHIN THE PROPERTY LINES OR LIMITS AS INDICATED ON THESE PLANS.
3. THE IRRIGATION CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL ABOVE-GRADE AND VISIBLE IRRIGATION EQUIPMENT (CONTROLLERS, BACKFLOW PREVENTERS, METER PITS, ETC.) WITH THE OWNER'S AUTHORIZED REPRESENTATIVE AND/OR LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. THE INSTALLATION OF THESE ITEMS SHALL BE INTEGRATED WITHIN DESIGNATED LANDSCAPE AREAS. FAILURE TO LOCATE THIS EQUIPMENT IN AN APPROVED LOCATION MAY RESULT IN THE IRRIGATION CONTRACTOR BEING REQUIRED TO MOVE SUCH ITEMS AT HIS OWN COST.
4. THE IRRIGATION SYSTEM DESIGN IS BASED ON THE MINIMUM OPERATING PRESSURE AND THE MAXIMUM FLOW DEMAND SHOWN ON THE DRAWINGS. THE IRRIGATION CONTRACTOR SHALL FIELD VERIFY THE STATIC & OPERATING WATER PRESSURE PRIOR TO CONSTRUCTION OF ANY COMPONENT OF THE IRRIGATION SYSTEM. AFTER FIELD VERIFICATION, THE IRRIGATION CONTRACTOR SHALL NOTIFY THE OWNER, OWNER'S REPRESENTATIVE, LANDSCAPE ARCHITECT, & IRRIGATION DESIGNER OF THE PRESSURE READING FOR THE TAP.
5. ALL PRESSURIZED MAINLINES, VALVES, DRIP, AND ROTOR AND SPRAY HEADS SHALL BE INSTALLED A MINIMUM OF 5' AWAY FROM ANY BUILDING FOUNDATION. ADDITIONAL REQUIREMENTS MAY BE LISTED IN THE GEOTECHNICAL REPORT REGARDING IRRIGATION NEAR BUILDING FOUNDATIONS. CONTRACTOR IS RESPONSIBLE TO ABIDE BY THE MINIMUM DISTANCE AND/OR THE GEOTECHNICAL REPORT REQUIREMENTS. IF THIS EQUIPMENT IS SHOWN WITHIN THE 5' OFFSET ON THESE PLANS, IT IS FOR THE PURPOSE OF GRAPHIC CLARITY ONLY.
6. REFER TO THIS SHEET AND IR-2 FOR IRRIGATION NOTES AND IRRIGATION DETAILS.

UTILITY NOTES

1. THE LANDSCAPE CONTRACTOR IS REQUIRED TO CONTACT THE COUNTY PUBLIC WORKS DEPARTMENT, AND ANY OTHER PUBLIC OR PRIVATE AGENCY NECESSARY FOR UTILITY LOCATION PRIOR TO ANY CONSTRUCTION.
2. THIS DRAWING IS A PART OF A COMPLETE SET OF BID DOCUMENTS, SPECIFICATIONS, ADDITIONAL DRAWINGS, AND EXHIBITS. UNDER NO CIRCUMSTANCES SHOULD THESE PLANS BE USED FOR CONSTRUCTION PURPOSES WITHOUT EXAMINING ACTUAL LOCATIONS OF UTILITIES ON SITE, AND REVIEWING ALL RELATED DOCUMENTS.
3. THE LOCATION OF THE ALL UNDERGROUND UTILITIES ARE LOCATED ON THE ENGINEERING DRAWINGS FOR THIS PROJECT. THE MOST CURRENT REVISION IS HERE IN MADE PART OF THIS DOCUMENT. UNDERGROUND UTILITIES EXIST THROUGHOUT THIS SITE AND MUST BE LOCATED PRIOR TO ANY CONSTRUCTION ACTIVITY. WHERE UNDERGROUND UTILITIES EXIST, FIELD ADJUSTMENT MAY BE NECESSARY AND MUST BE APPROVED BY A REPRESENTATIVE OF THE OWNER. NEITHER THE OWNER NOR THE LANDSCAPE ARCHITECT ASSUMES ANY RESPONSIBILITY WHATSOEVER, IN RESPECT TO THE CONTRACTORS ACCURACY IN LOCATING THE INDICATED PLANT MATERIAL, AND UNDER NO CIRCUMSTANCES SHOULD THESE PLANS BE USED WITHOUT REFERENCING THE ABOVE MENTIONED DOCUMENTS.

GENERAL IRRIGATION NOTES

1. IRRIGATION DESIGN IS BASED ON THE THEORIES, ASSUMPTIONS, AND/OR INFORMATION PROVIDED BY CIVIL MODELS/UTILITIES/MUNICIPAL ENTITIES AND THUS, IS DIAGRAMMATIC IN NATURE. ALL PIPING, VALVES, AND OTHER EQUIPMENT SHOWN WITHIN PAVED AREAS OR OUT OF PROPERTY BOUNDARIES ARE FOR GRAPHIC CLARIFICATION ONLY, AND SHALL BE INSTALLED IN PLANTING AREAS WITHIN THE PROPERTY LINES OR LIMITS INDICATED ON PLAN. THE IRRIGATION CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL ABOVE-GRADE IRRIGATION EQUIPMENT WITH THE OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO INSTALLATION, OR IRRIGATION CONTRACTOR MAY BE REQUIRED TO MOVE SUCH ITEMS AT HIS OWN COST.
2. REFER TO SPECIFICATIONS (AS APPROPRIATE) FOR SUBMITTALS, INSPECTIONS AND OTHER APPLICABLE INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A COPY OF THE PROJECT SPECIFICATIONS PRIOR TO BIDDING. THE PROJECT SPECIFICATIONS SHALL BE CONSULTED BY THE IRRIGATION CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING WORK AS SPECIFIED IN THE PROJECT SPECIFICATIONS AND ON THE PLANS.
3. THE IRRIGATION CONTRACTOR SHALL MEET WITH THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF WORK, AND SHALL OBTAIN ALL ENGINEERING, LANDSCAPE, AND OTHER APPLICABLE PLANS & DOCUMENTS. CONTRACTOR SHALL THOROUGHLY REVIEW PLANS & REPORT ANY CONFLICTS OR DISCREPANCIES TO OWNER'S REPRESENTATIVE IMMEDIATELY.
4. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, EQUIPMENT QUANTITIES, AND UTILITY LOCATIONS PRIOR TO BEGINNING WORK. DO NOT INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES, OR DIFFERENCES IN THE AREA DIMENSIONS EXIST THAT MIGHT NOT HAVE EXISTED AT THE TIME OF THE IRRIGATION DESIGN PREPARATION. SUCH OBSTRUCTIONS OR DIFFERENCES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE AND LANDSCAPE ARCHITECT. IN THE EVENT THIS NOTIFICATION IS NOT GIVEN, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY TO BRING THE SYSTEM TO A PROPER WORKING CONDITION, AND TO THE OWNER'S SATISFACTION.
5. IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL GRADE DIFFERENCES, LOCATIONS OF WALLS, RETAINING WALLS, ETC. THE IRRIGATION CONTRACTOR SHALL COORDINATE HIS WORK WITH THE GENERAL CONTRACTOR AND OTHER SUBCONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES THROUGH WALL, UNDER ROADWAY PAVING, ETC.
6. THE CONTRACTOR SHALL MAKE NO SUBSTITUTIONS, DELETIONS, OR ADDITIONS TO THIS PLAN WITHOUT APPROVAL OF THE LANDSCAPE ARCHITECT.
7. SEE CIVIL ENGINEER'S DRAWINGS FOR IRRIGATION POINT OF CONNECTION (TAP) AND DOMESTIC WATER SUPPLY.
8. ALL CONSTRUCTION SHALL CONFORM TO CITY, COUNTY, STATE, AND FEDERAL REQUIREMENTS. IT SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO ENSURE THAT ALL IRRIGATION EQUIPMENT MEETS GOVERNMENT REGULATIONS. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS OR APPROVALS.
9. THE IRRIGATION SYSTEM DESIGN IS BASED ON THE MINIMUM OPERATING PRESSURE AND THE MAXIMUM FLOW DEMAND SHOWN ON THE POINT OF CONNECTION NOTE TAG(S) ON THE DRAWINGS. THE IRRIGATION CONTRACTOR SHALL FIELD VERIFY THE STATIC & OPERATING WATER PRESSURE PRIOR TO CONSTRUCTION, AND SHALL REPORT ANY DIFFERENCES BETWEEN THE WATER PRESSURE INDICATED ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT OF CONNECTION TO THE OWNER'S AUTHORIZED REPRESENTATIVE AND LANDSCAPE ARCHITECT. IN THE EVENT PRESSURE DIFFERENCES ARE NOT REPORTED OR PRESSURES HAVE GREATLY CHANGED PRIOR TO THE START OF THE IRRIGATION SYSTEM CONSTRUCTION, THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR RECOMMENDING A SOLUTION AND PROVIDING AN ADD ALTERNATE BID FOR IRRIGATION COSTS.
10. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT IF AVAILABLE WATER PRESSURE EXCEEDS 5 PSI HIGHER OR LOWER THAN AVAILABLE WATER PRESSURE.
11. NO MORE THAN 90% OF AVAILABLE MINIMUM STATIC WATER PRESSURE WAS USED IN PREPARATION OF THESE PLANS, FURTHERMORE, THE MAXIMUM FLOW THROUGH THE METER SHOULD NOT EXCEED 75% OF THE MAXIMUM SAFE FLOW.
12. SUPPLY LINE AND METER TO BE PROVIDED BY GENERAL CONTRACTOR. BACKFLOW PREVENTER TO BE PROVIDED BY IRRIGATION CONTRACTOR. IRRIGATION CONTRACTOR'S POINT OF CONNECTION TO BEGIN AFTER THE IRRIGATION WATER METER.
13. INSTALL ALL MATERIALS AND EQUIPMENT AS SHOWN ON THE PLANS AND DETAILS. NO SUBSTITUTIONS OF EQUIPMENT WILL BE ACCEPTABLE WITHOUT PRIOR WRITTEN APPROVAL BY THE LANDSCAPE ARCHITECT OR THE OWNER'S REPRESENTATIVE. THE IRRIGATION CONTRACTOR MAY BE REQUIRED TO REMOVE AND REPLACE ALL UNAPPROVED SUBSTITUTED EQUIPMENT AT HIS OWN COST IF SO DIRECTED BY THE OWNER.
14. WHEN INSTALLING IRRIGATION PIPE AND EQUIPMENT NEXT TO HARDSCAPE (SUCH AS WALLS, CURBS, OR WALKS), PLACE PIPE AS CLOSE AS POSSIBLE TO HARDSCAPE TO AVOID CONFLICTS WITH PLANTING. REFER TO MAINLINE TRENCHING DETAILS FOR ADDITIONAL INFORMATION.
15. THE IRRIGATION CONTRACTOR SHALL COORDINATE 120 V.A.C. ELECTRICAL POWER TO CONTROLLERS AND DEDICATE ONE (1) 20-AMP BREAKER FOR EACH CONTROLLER. IT SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO MAKE THE FINAL HOOK-UP FROM THE ELECTRICAL SOURCE TO THE CONTROLLER UNIT ONLY.
16. THE RAIN SENSOR SHALL BE LOCATED NEAR THE IRRIGATION CONTROLLER, AND SHALL BE MOUNTED AS SHOWN ON THE DETAIL AND/OR LEGEND. LOCATE SENSOR AWAY FROM TALL TREES, SHRUBS, AND OTHER POTENTIAL OBSTRUCTIONS.
17. ALL VALVE CONTROL WIRE SHALL BE AWG 14 TYPE UF, 600 VOLT TEST, DIRECT BURIAL. NO SPLICES SHALL BE ALLOWED EXCEPT AT VALVES AND CONTROLLER. WHERE SPLICES MAY BE NECESSARY DUE TO EXCESSIVELY LONG WIRE RUNS, THE CONTRACTOR SHALL MAKE ALL SPLICES IN 2" ROUND VALVE BOXES WITH 3/8" IDBY-DIRECT BURIAL SPLICE KIT". THE CONTRACTOR SHALL LABEL ALL WIRES WITH WATERPROOF TAGS AND MARKERS AT ALL SPLICES AND VALVE MANIFOLDS, AND SHALL LEAVE A 24" COIL OF EXCESS WIRE AT EACH CONNECTION.
18. CONTRACTOR SHALL PROVIDE #10 COMMON WIRE, DIRECT BURIAL, TO ALL REMOTE CONTROL VALVES.
19. CONNECT ALL DIRECT BURIAL WIRES TO VALVES USING 3M'S "DBY-DIRECT BURIAL SPLICE KIT" (UNLESS OTHERWISE SPECIFIED).
20. PROVIDE ADDITIONAL IRRIGATION CONTROL WIRES TO THE AMOUNT OF OPEN ZONES ON THE CONTROLLER ALONG EACH BRANCH OF MAINLINE FOR FUTURE EXPANSION. STUB ADDITIONAL CONTROL WIRES INTO BACK OF IRRIGATION CONTROLLERS.
21. THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL CONTROL WIRE SLEEVES AND PIPE SLEEVES UNDER PAVED AREAS PRIOR TO PAVING. ELECTRICAL WIRES FOR IRRIGATION VALVES AND IRRIGATION LINES ARE TO BE PLACED IN SEPARATE SLEEVES. ALL SLEEVING SHALL BE PVC SCHEDULE 40 PIPE. SLEEVES FOR MAINLINE AND LATERAL LINES SHALL BE A MINIMUM TWICE THE DIAMETER OF THE ENCLOSED PIPE; SLEEVES FOR CONTROL WIRES SHALL BE AS PER THE SLEEVING / WIRING NOTE AND THE WIRING SLEEVE LEGEND ITEM AS SHOWN ON THESE DRAWINGS.
22. TRENCH BACKFILL MATERIAL SHALL BE FREE OF ROCKS, GLASS, AND OTHER EXTRANEOUS MATERIALS LARGER THAN 1" IN DIAMETER. BACKFILL SHALL BE COMPACTED TO 90% MAXIMUM DRY DENSITY.
23. WHERE VALVES ARE LOCATED IN CLOSE PROXIMITY TO EACH OTHER, CLUSTER VALVES INTO MANIFOLDS. INSTALL NO MORE THAN ONE VALVE PER VALVE BOX.
24. MANUAL DRAIN VALVE, FOR FREEZE PROTECTION, ARE TO BE LOCATED AT ALL LOW POINTS OF IRRIGATION LATERAL LINES. WHERE THE LOW POINT IS AT THE END OF THE LINE, LOCATE DRAIN VALVE A MINIMUM OF 12" DOWNSTREAM FROM THE LAST SPRINKLER HEAD. SEE DETAIL FOR VALVE ORIENTATION.
25. USE TEFLON TAPE ON ALL PVC MALE PIPE THREADS ON ALL SWING JOINT AND VALVE ASSEMBLIES.
26. ALL IRRIGATION HEADS, INCLUDING FIXED-SPRAY AND DRIP DEVICES, SHALL BE SET PERPENDICULAR TO THE FINISH GRADE OF THE AREA TO BE IRRIGATED.
27. ALL PRESSURIZED MAINLINES, VALVES, DRIP, AND ROTOR AND SPRAY HEADS SHALL BE INSTALLED A MINIMUM OF 3' AWAY FROM ANY BUILDING FOUNDATION. IF THIS EQUIPMENT IS SHOWN WITHIN THE 3' OFFSET ON THESE PLANS, IT IS FOR THE PURPOSE OF GRAPHIC CLARITY ONLY.
28. EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE, IT IS THE INTENT OF THE IRRIGATION DESIGN TO INDICATE ALL SPRAY HEADS AS "POP-UPS". IN THE EVENT THAT POP-UP HEADS HAVE NOT BEEN SPECIFIED IN TURF AREAS, IT SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO BRING THIS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BIDDING AND CONSTRUCTION.
29. ALL SPRAY AND ROTOR HEAD LOCATIONS SHALL BE STAKED, FLAGGED AND/OR OTHERWISE CLEARLY MARKED ON THE GROUND PRIOR TO INSTALLATION. SPRINKLER HEAD STAKING SHALL BE INSPECTED AND APPROVED BY THE OWNER'S REPRESENTATIVE OR THE LANDSCAPE ARCHITECT BEFORE INSTALLATION. STAKED LOCATIONS SHALL BE SPACED TO PROVIDE HEAD-TO-HEAD COVERAGE. RECOMMENDED SETBACK DISTANCE OF ALL PROPOSED IRRIGATION HEADS IS 12" FROM BACK OF CURB AND EDGE OF PAVEMENT.
30. FLUSH AND ADJUST ALL SPRINKLER HEADS FOR OPTIMUM PERFORMANCE AND TO PREVENT OVERSPRAY ONTO WALKS, ROADWAYS, AND/OR BUILDINGS AS MUCH AS POSSIBLE. THIS SHALL INCLUDE SELECTING THE BEST NOZZLE ARC AND RADIUS TO FIT THE EXISTING SITE CONDITIONS.
31. ALL POP-UP TYPE SPRINKLER HEADS INSTALLED IN TURF AREAS SHALL BE INSTALLED SO THE TOP OF THE SPRINKLER HEAD IS FLUSH WITH THE ADJACENT SIDEWALK, OR PAVING. ALL POP-UP HEADS AWAY FROM HARDSCAPE EDGES IN TURF SHALL BE 1" ABOVE THE FINISH GRADE TO PREVENT CONTACT WITH MOVERS.
32. EXISTING TREES TO REMAIN ARE TO BE PROTECTED FROM DAMAGE. DO NOT TRENCH OR EXCAVATE WITHIN THE CRITICAL ROOT ZONE OF ANY TREE.
33. ALL PLANT MATERIAL IN TREE HOLDING AREAS SHALL BE MANUALLY WATERED/IRRIGATED TO KEEP MOIST UNTIL PLANTED.
34. UPON COMPLETION OF INSTALLATION OF IRRIGATION SYSTEM, IRRIGATION CONTRACTOR SHALL PROVIDE THE FOLLOWING:
A. ACCURATE AND COMPLETE "AS BUILT" PLANS OF IRRIGATION SYSTEM INCLUDING 8-1/2" X 11" ZONE MAP TO BE PLACED INSIDE EACH CONTROLLER BOX.
B. LOG ON ALL WATER WINDOWS, RUN SCHEDULE TIMES, AND OTHER CHANGES AND/OR MODIFICATIONS TO THE IRRIGATION SYSTEM SINCE INSTALLATION.
C. ONE HOUR OF TRAINING TO OWNER ON IRRIGATION SYSTEM AND CONTROLLER OPERATION.
D. THREE OF EACH TYPE OF HEAD AND EMITTER INSTALLED.
E. ONE OF EACH TYPE OF VALVE INSTALLED.
F. REVIEW WINTERIZATION PROCEDURES FOR IRRIGATION SYSTEM WITH OWNERS REPRESENTATIVE.

35. PRIOR TO ACCEPTANCE OF IRRIGATION SYSTEM AT THE END OF THE MAINTENANCE PERIOD, THE IRRIGATION CONTRACTOR SHALL PROVIDE THE FOLLOWING: CURRENT SCHEDULE RUN TIME AND WATER WINDOW LOG, ALONG WITH NOTING ANY OTHER PERTINENT INFORMATION.
36. UNLESS OTHERWISE SPECIFIED, THE IRRIGATION CONTRACTOR SHALL REPAIR OR REPLACE ANYTHING DAMAGED BY HIS WORK AT NO ADDITIONAL COST TO THE OWNER.
37. CONTRACTOR SHALL INSTALL MAINLINES ±12" FROM PAVEMENT EDGE IN PLANTING AREAS. ALL PIPING, VALVES, AND OTHER EQUIPMENT SHOWN WITHIN PAVED AREAS OR OUT OF PROPERTY BOUNDARIES ARE FOR DESIGN CLARIFICATION ONLY, AND SHALL BE INSTALLED IN PLANTING AREAS WITHIN THE PROPERTY LINES OR LIMITS AS INDICATED ON THESE PLANS.
38. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLAN AND SPECIFICATIONS, THE PLAN SHALL TAKE PRECEDENCE.
39. THE IRRIGATION SYSTEM SHALL BE INSTALLED BY A QUALIFIED IRRIGATION CONTRACTOR.

TOWN OF CASTLE ROCK STANDARD LANDSCAPE AND IRRIGATION NOTES

- LANDSCAPE**
1. INSTALLING CONTRACTOR SHALL CONTACT CASTLE ROCK WATER AT 720-733-6017 TO SCHEDULE A PRE-CONSTRUCTION MEETING PRIOR TO THE BEGINNING OF LANDSCAPE INSTALLATION.
 2. LANDSCAPE AND IRRIGATION SHALL BE INSTALLED BY A TOWN OF CASTLE ROCK REGISTERED LANDSCAPE CONTRACT PROFESSIONAL.
 3. SOIL INSPECTION IS REQUIRED BEFORE PLANT INSTALLATION AND SCHEDULING OF THE SOIL INSPECTION SHOULD BE DISCUSSED AT THE LANDSCAPE PRE-CONSTRUCTION MEETING.
 4. INSTALLING CONTRACTOR SHALL PROVIDE SUBMITTALS FOR SOIL SAMPLES AND SOIL ANALYSIS TO THE TOWN OF CASTLE ROCK PRIOR TO PLANTING.
 5. SOIL AMENDMENTS SHALL BE A MINIMUM OF FOUR (4) CUBIC YARDS OF APPROVED ORGANIC MATTER PER ONE THOUSAND (1,000) SQUARE FEET. THIS SOIL AMENDMENT SHALL BE ROTO-TILLED TO A DEPTH OF SIX (6) INCHES. CLASS 1 OR CLASS II COMPOST IS REQUIRED.
 6. TREES, LARGE SHRUBS AND PERMANENT OBJECTS ARE NOT PERMITTED IN IN WATER, SANITARY OR STORM WATER UTILITY EASEMENTS.
 7. ALL LANDSCAPE INSTALLATIONS TO BE INSTALLED AS PER THE TOWN OF CASTLE ROCK PLANTING DETAILS. THESE CAN BE FOUND AT WWW.CRGGOV.COM.
 8. 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 OWNERS REPRESENTATIVES.
 9. THE TOWN OF CASTLE ROCK IS NOT RESPONSIBLE FOR REPLACING LANDSCAPE OR IRRIGATION REMOVED IN UTILITY EASEMENTS DUE TO UTILITY LINE MAINTENANCE OR REPAIR. (PWR14.3.13)
 10. A TOWN OF CASTLE ROCK PERMIT AND TOWN OF CASTLE ROCK APPROVED LANDSCAPE PLANS ARE REQUIRED ON SITE DURING INSTALLATION OF THE LANDSCAPING AND IRRIGATION.
 11. THE TOWN OF CASTLE ROCK INSPECTORS WILL NOT APPROVE LANDSCAPE AND/OR IRRIGATION ON SLOPES STEEPER THAN 3:1.
 12. OVERHEAD IRRIGATION IS NOT PERMITTED ON SLOPES EQUAL TO 3:1 OR IN AREAS LESS THAN TEN (10) FEET WIDE.
 13. DISTANCE OF TREES TO WET UTILITY LINES SHALL BE A MINIMUM OF TEN (10) FEET.
 14. FINAL LANDSCAPE AREA, COVERAGE AND PLANT QUANTITIES SHALL MEET OR EXCEED QUANTITIES REPRESENTED IN THIS DRAWING AND SHALL CONFORM TO SUBSEQUENT SUBMITTAL REQUIREMENTS.
 15. ALL PLANTS ARE TO BE INSTALLED IN HYDRO ZONED PER TOWN OF CASTLE ROCK PLANT LIST.
 16. DESIGN MUST ACCOMMODATE THE WATERING RESTRICTIONS AS OUTLINED IN THE TOWN OF CASTLE ROCK WATER USE MANAGEMENT PLAN (WUMP).
 17. IF ANY TRANSFORMERS, GROUND-MOUNTED HVAC UNITS, UTILITY PEDESTALS, OR SIMILAR FEATURES EXISTING ON SITE, BUT NOT SHOWN ON THE SITE DEVELOPMENT PLAN, ADDITIONAL LANDSCAPING AND SCREENING MAY BE REQUIRED BASED UPON FIELD CONDITIONS DETERMINED DURING THE SITE INSPECTION. INSTALLATION WILL BE REQUIRED PRIOR TO THE FINAL INSPECTION AND THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY, AS APPLICABLE.
 18. NONLIVING LANDSCAPE MATERIAL, SUCH AS ROCK, STONE, BARK CHIPS, AND SHAVINGS WHICH NO LONGER COVER THE AREA IN WHICH THEY WERE ORIGINALLY INSTALLED, SHALL BE REGULARLY REPLISHED TO MAINTAIN THE FULL COVERAGE TO A MINIMUM DEPTH OF TWO (2) INCHES FOR ROCK MULCH AND FOUR (4) INCHES FOR WOOD MULCH.
 19. PLANTS AND VEGETATION UNDER THE TOWN OF CASTLE ROCKS PLANT LIST SHALL BE IN LINE WITH THE ADOPTED GWPP AND FIRE RESISTIVE VEGETATION FOR THE REGION TO MEET THE ADOPTED FIRE CODES BY THE TOWN OF CASTLE ROCK.
 20. DEAD PLANT MATERIAL SHALL BE REMOVED AND REPLACED WITH HEALTHY PLANTING MATERIALS OF COMPARABLE SIZE AND SPECIES THAT MEET THE ORIGINAL INTENT OF THE APPROVED LANDSCAPE DESIGN WITHIN FORTY-FIVE (45) DAYS OR SOONER IN THE EVENT OF A CONTAGIOUS DISEASE OR INVASIVE INSECT SPECIES. TOWN OF CASTLE ROCK IS NOT RESPONSIBLE FOR PLANT REPLACEMENTS.

IRRIGATION

1. INSTALLING CONTRACTOR SHALL CONTACT CASTLE ROCK WATER AT 720-733-6017 TO SCHEDULE A PRE-CONSTRUCTION MEETING PRIOR TO BEGINNING THE IRRIGATION INSTALLATION.
2. IRRIGATION SHALL BE INSTALLED BY A TOWN OF CASTLE ROCK REGISTERED LANDSCAPE PROFESSIONAL.
3. BACKFLOW TO BE TESTED BY A CERTIFIED BACKFLOW TECHNICIAN APPROVED BY THE UTILITY DEPARTMENT WITHIN TEN (10) DAYS OF THE IRRIGATION METER INSTALLATION AND ANNUALLY THEREAFTER.
4. AN IRRIGATION EXEMPTION FIRST BE OBTAINED FROM CASTLE ROCK WATER IF IRRIGATING NATIVE SEED OR SOD ON A DAILY BASIS FOR ESTABLISHMENT DURING THE MONTHS OF JUNE AND AUGUST. AN IRRIGATION EXEMPTION WILL NOT BE ISSUED DURING THE MONTH OF JULY.
5. THE IRRIGATION SYSTEM MUST BE DESIGNED TO OPERATE WITHIN THE TOWN OF CASTLE ROCK WATER USE MANAGEMENT PLAN, CURRENT COMMERCIAL HOURS OF OPERATION ARE THREE (3) FIXED DAYS A WEEK FROM 10:00 PM - 6:00 AM.
6. OVERHEAD IRRIGATION AREAS LESS THAN TEN (10) FEET IN WIDTH OR ON SLOPES OF GREATER THAN 3:1 WILL NOT BE APPROVED BY THE TOWN OF CASTLE ROCK INSPECTORS.
7. ALL IRRIGATION INSTALLATIONS MUST MEET THE TOWN OF CASTLE ROCK DETAILS.
8. PLEASE NOTE THAT THE IRRIGATION TAP, LINE METER AND BACKFLOW PREVENTION ASSEMBLY MUST BE THE SAME SIZE FROM THE TAP TO A MINIMUM DISTANCE OF TEN (10) PIPE DIAMETERS PAST THE BACKFLOW PREVENTION ASSEMBLY AND WINTERIZATION TEE.
9. ALL SPRINKLER HEADS TO BE ADJUSTED TO MINIMIZE/ELIMINATE OVER-SPRAY ON TO HARD SURFACES AND/OR UNINTENDED AREAS, PER THE TOWN OF CASTLE ROCK WATER USE MANAGEMENT PLAN IS NOT ALLOWED.
10. IRRIGATION SYSTEMS ARE TO BE WINTERIZED ANNUALLY IN THE FALL.

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	DETAIL
⊕	HUNTER ICZ-101-25-LF 1" IN. ICV GLOBE VALVE WITH 1IN. HY100 FILTER SYSTEM. PRESSURE REGULATION: 25 PSI. FLOW RANGE: 5 GPM - 15 GPM. 150 MESH STAINLESS STEEL SCREEN.	SHEET IR-2 DETAIL IR-19
⊙	NIBCO 4660-T 3/4" SCHEDULE 40 MANUAL FLUSH VALVE. CONNECT TO DRIP POLYTUBING FOR WINTERIZATION/BLOWOUT.	SHEET IR-2 DETAIL IR-32
⊕	HUNTER ECO-ID-12 ECO-ID: 1/2IN. FPT CONNECTION WITH 15 PSI - 100 PSI OPERATING PRESSURE. SPECIFY WITH HUNTER SJ SWING JOINT.	SHEET IR-2 DETAIL IR-32
	AREA TO RECEIVE DRIP EMITTERS HUNTER HE-B POINT SOURCE DRIP EMITTER WITH SELF PIERCING BARB. COLOR CODED EMITTERS FOR FLOW RATES OF 0.5 GPH, 1.0 GPH, 2.0 GPH, 4.0 GPH, AND 6.0 GPH. CAN BE INSERTED INTO 1/2IN. AND 3/4IN. TUBING AND HAVE PRESSURE COMPENSATING FROM 15 PSI-50 PSI. OPTIONAL DIFFUSER CAP (HE) AVAILABLE.	SHEET IR-2 DETAIL IR-19
	EMITTER SCHEDULE: - 1 GALLON AND SMALLER: 2, HEB-5-B EMITTER PER PLANT (1 GPH TOTAL) - 5 GALLON: 2, HEB-10-B EMITTERS PER PLANT (2 GPH TOTAL) - 10-15 GALLONS & UPRIGHT JUNIPERS: 3, HEB-10-B EMITTERS PER PLANT (3 GPH TOTAL) - 1" TO 2-1/2" CALIPER TREES: 4, HEB-10-B EMITTERS PER PLANT (4 GPH TOTAL) - 3" TO 4" CALIPER TREES: 6, HEB-10-B EMITTERS PER PLANT (6 GPH TOTAL)	SHEET IR-2 DETAIL IR-19
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	DETAIL
⊕	EXISTING QUICK COUPLER VALVE EXISTING QUICK COUPLER VALVE. ENSURE PROPER OPERATION AND PRESENCE AT POC. PROTECT IN PLACE.	SHEET IR-2 DETAIL IR-6
⊕	EXISTING ISOLATION GATE VALVE EXISTING ISOLATION GATE VALVE. ENSURE PROPER OPERATION AND PRESENCE AT POC. PROTECT IN PLACE.	SHEET IR-2 DETAIL IR-7
⊕	EXISTING STOP AND WASTE VALVE EXISTING STOP AND WASTE VALVE. ENSURE PROPER OPERATION AND PRESENCE AT POC. PROTECT IN PLACE.	SHEET IR-2 DETAIL IR-7
⊕	EXISTING MASTER VALVE EXISTING MASTER VALVE. ENSURE PROPER OPERATION AND PRESENCE AT POC. PROTECT IN PLACE.	SHEET IR-2 DETAIL IR-36A
⊕	EXISTING MANUAL DRAIN VALVE EXISTING MANUAL DRAIN VALVE. ENSURE PROPER OPERATION AND PRESENCE AT POC. PROTECT IN PLACE.	SHEET IR-2 DETAIL IR-5A
⊕	EXISTING BACKFLOW PREVENTOR WITH ENCLOSURE EXISTING BACKFLOW PREVENTOR WITH ENCLOSURE. ENSURE PROPER OPERATION AND PRESENCE AT POC. PROTECT IN PLACE.	SHEET IR-2 DETAIL IR-10A
⊕	EXISTING FLOW SENSOR EXISTING FLOW SENSOR WILL NEED TO BE AN ULTRA-SONIC FLOW SENSOR; IF EXISTING IS NOT OF AN ULTRA-SONIC FLOW SENSOR IT WILL NEED TO BE REPLACED WITH AN ULTRA-SONIC FLOW SENSOR. ENSURE PROPER OPERATION AND PRESENCE AT POC. PROTECT IN PLACE.	SHEET IR-2 DETAIL IR-35
⊕	WATER METER 1" USE EXISTING IRRIGATION METER LOCATED IN THE UTILITY ROOM. SEE CIVIL/BUILDING PLANS FOR FURTHER DETAILS.	SHEET IR-2 DETAIL IR-9
---	IRRIGATION DRIP SUPPLY TUBING: POLYETHYLENE PIPE SIZE: 3/4"	SHEET IR-2 DETAIL IR-21
---	ESTIMATED EXISTING MAINLINE LOCATION	N/A
---	PIPE SLEEVE SIZE: DOUBLE THE SIZE OF PIPE INSERTED	SHEET IR-2 DETAIL IR-21
---	EXISTING IRRIGATION SYSTEM	N/A

TOWN APPROVAL BLOCK

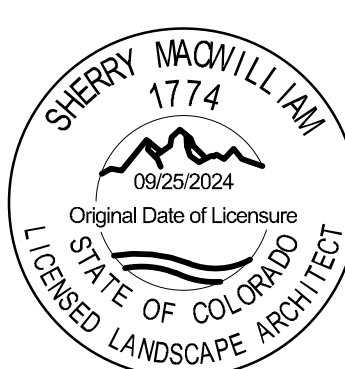
TOWN OF CASTLE ROCK APPROVAL
PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM
DATE OF DEVELOPMENT SERVICES APPROVAL

APPROVED BY:  By jkirkpatrick on 09/30/2025
APPROVED CD24-0036 Plans.pdf
Record Document on File

DEVELOPMENT SERVICES DATE

CAUTION - NOTICE TO CONTRACTOR

1. ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT. PRIOR TO CONSTRUCTION, REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
2. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POT-HOLING OR ALTERNATIVE METHOD, PRIOR TO CONSTRUCTION.



IR-1
MURPHY OIL USA, INC.
200 PEACH STREET
EL DORADO, AR 71730

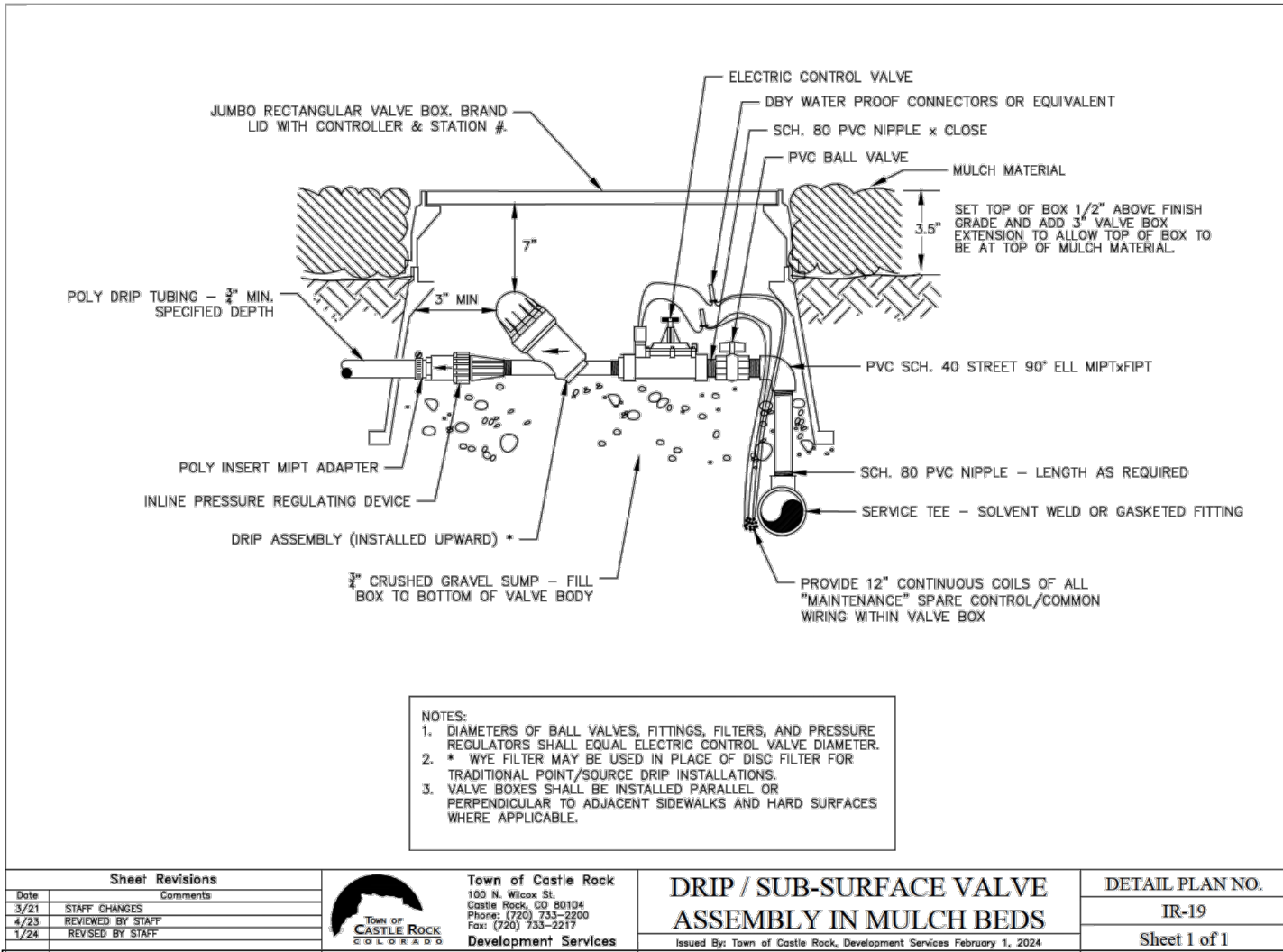
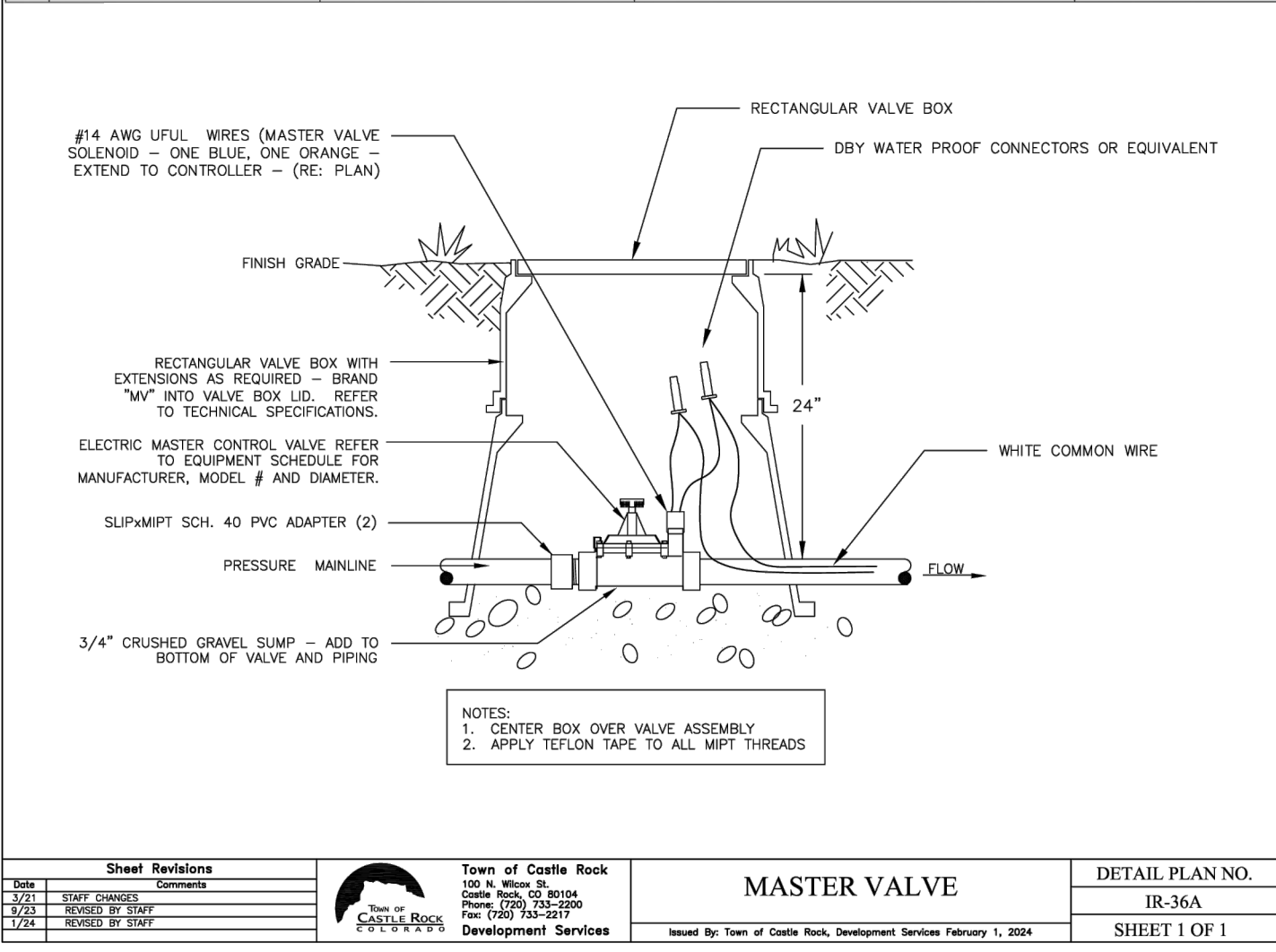
Galloway
1155 Kelly Johnson Blvd., Suite 305
Colorado Springs, CO 80920
719.590.7220 Kyle Goodwin, P.E.
GallowayUS.com

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200 PEACH STREET
EL DORADO, AR 71730



Irrigation System Hydraulic Worksheet

Project Name: **Murphy Oil USA, Inc.** Date: **December 2, 2024**
Project Location: **186 Metzler Drive Castle Rock, CO**

Prepared by: **Galloway and Company** Current TOCR Registration #

Tap Size **1.00"** Source of Pressure **Water Main**
Static Water Pressure: **80 psi**

Hydraulic Grade At Zone: **6265'** Company **Murphy Oil USA, Inc.**

	Pl. of Copper	Pipe Size (")	K Copper	Friction Loss (from chart)	Flow-GPM	Loss/Gain
Service Line to meter)	15 LF	1.00	K Copper	4.95 /100 FT	13	0.74
Water Meter:		1.00		1.00	13	1.00
Service Line (meter to backflow):	5 LF	1.00	K Copper	4.95 /100 FT	13	0.25
Backflow:		1.00		1	13	1.00
Master Valve:		1		1	13	1.00

Pressure Required at Head: **40**

Lateral Allowance: **1.50**

Control Valve Allowance: **1.50**

Mainline Allowances: **1.50**

Length of Mainline	Pipe Material	Size	Gals.	
195 LF CL2008E	LF CL2008E	1.000" @	13	GPM
		@	13	GPM-Looped
				3.58 /100 FT
				/100 FT

Elevation: **6.266** High/Low: **6.264** **-0.87**

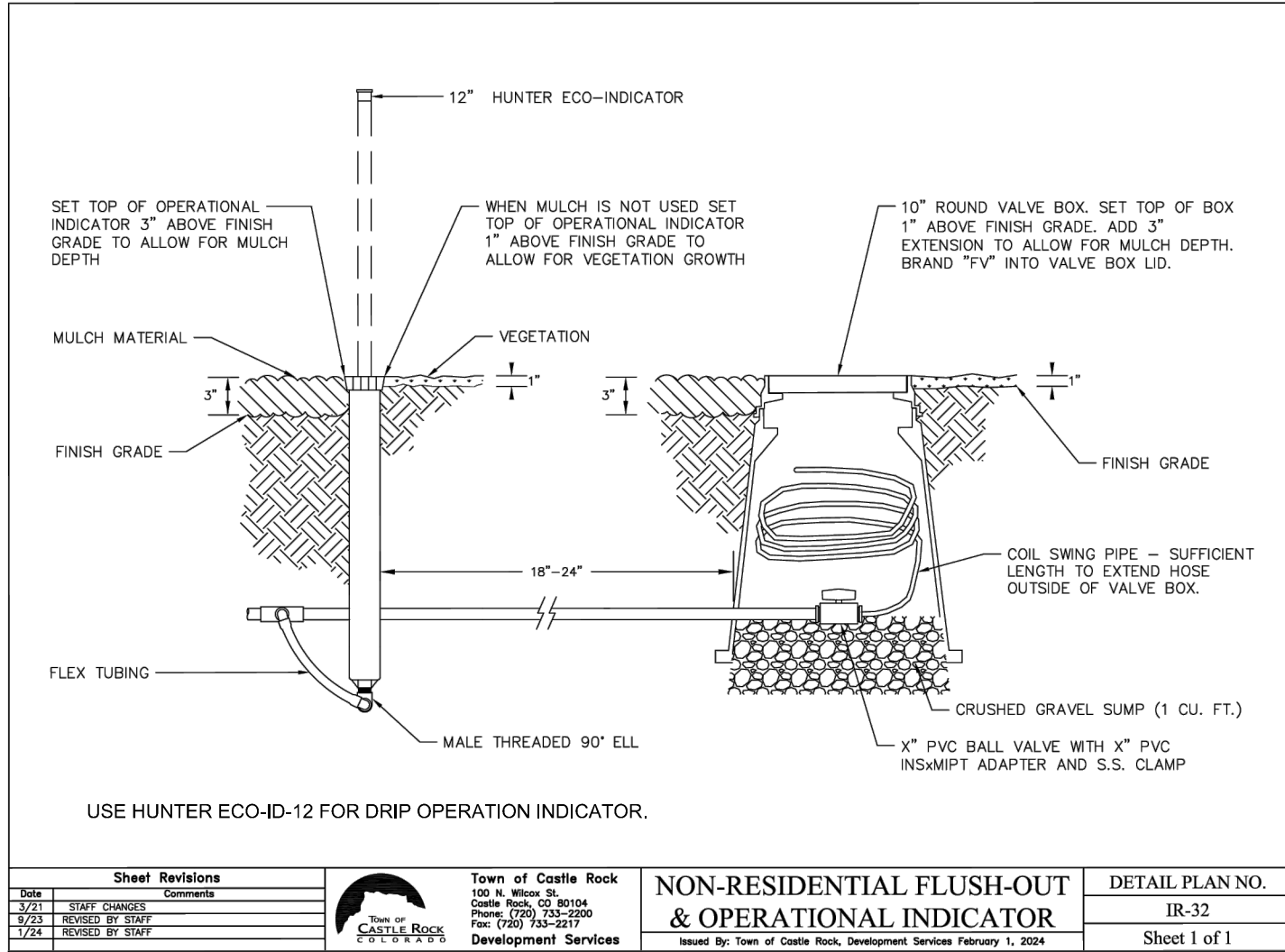
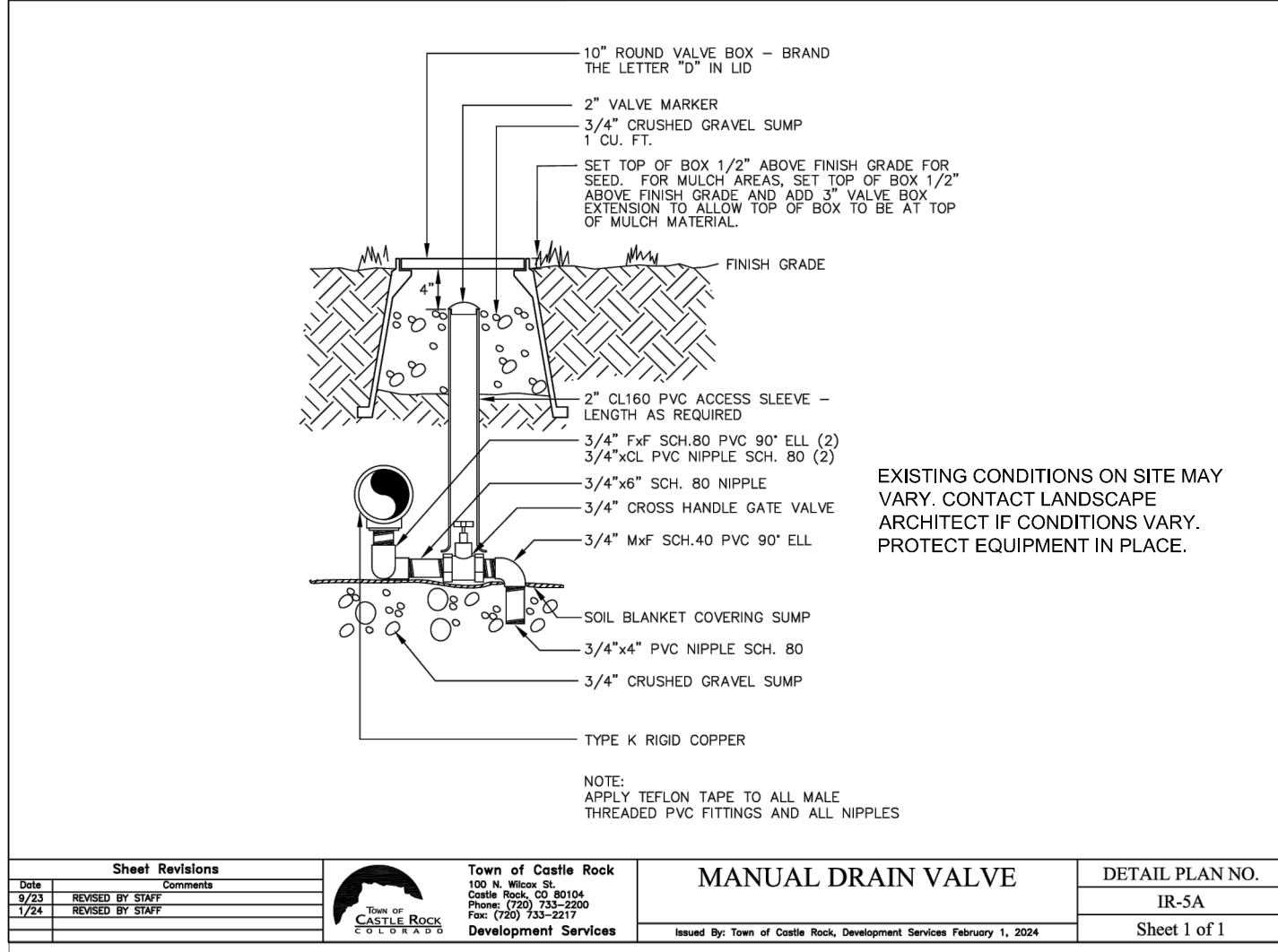
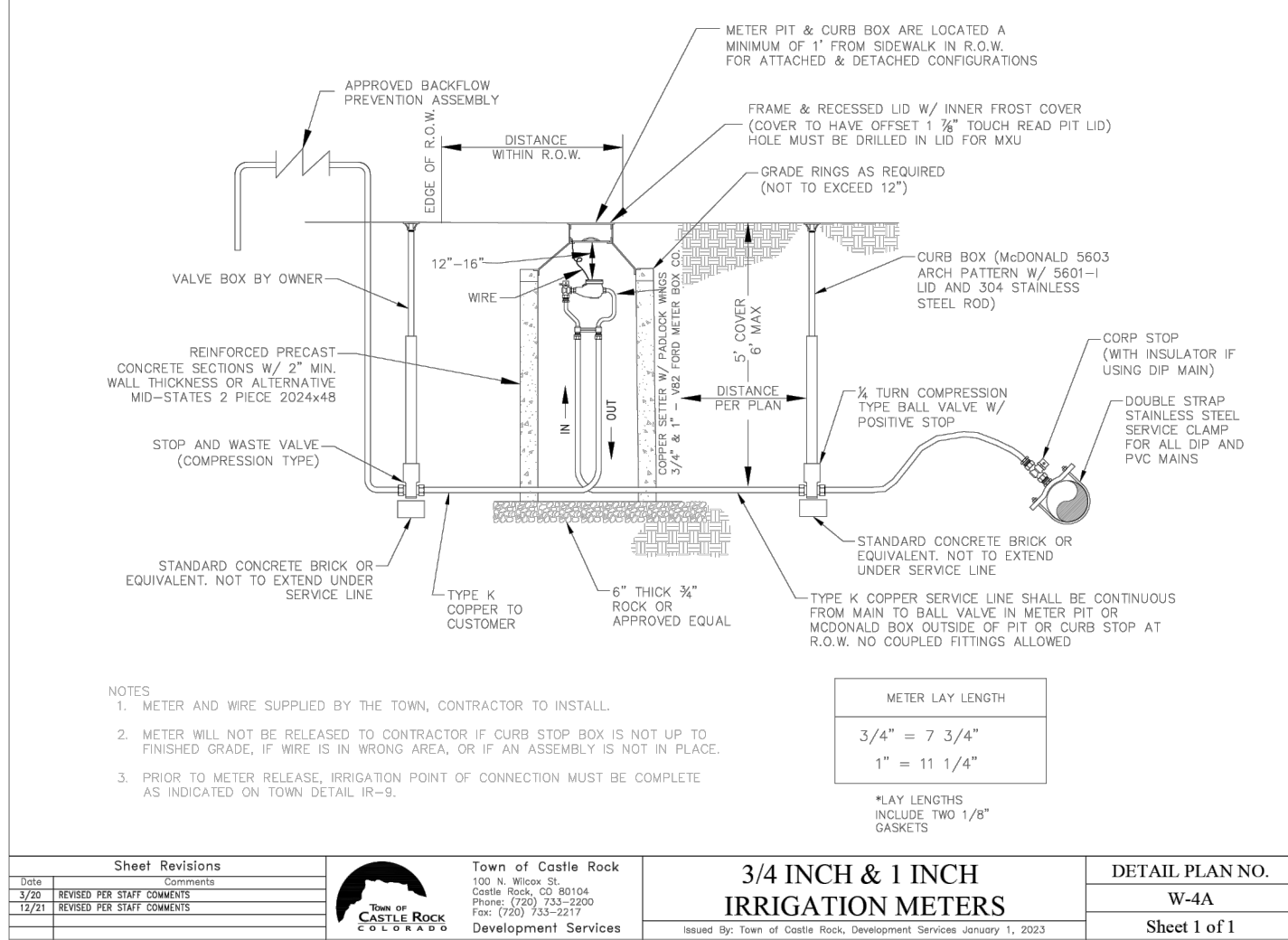
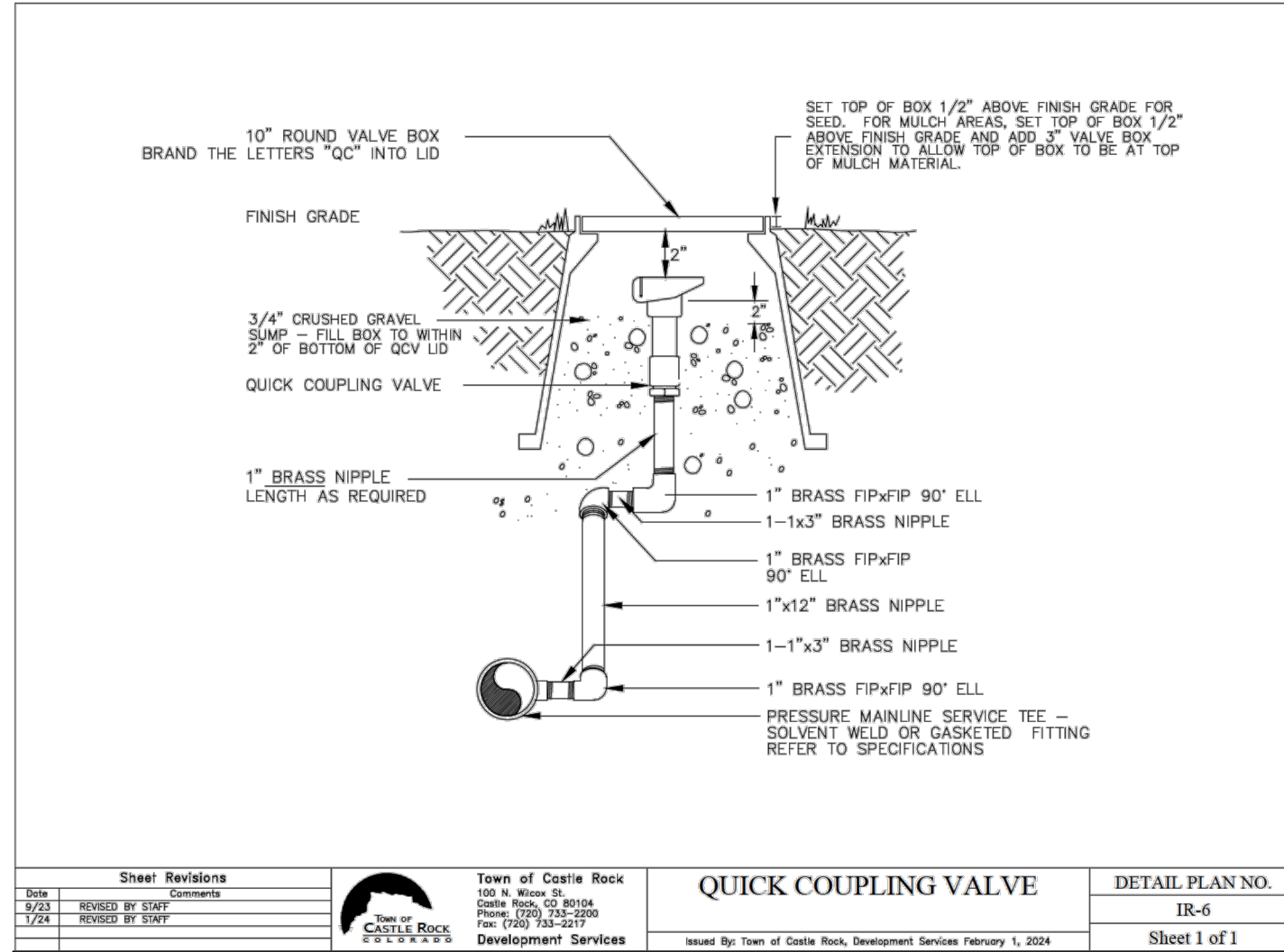
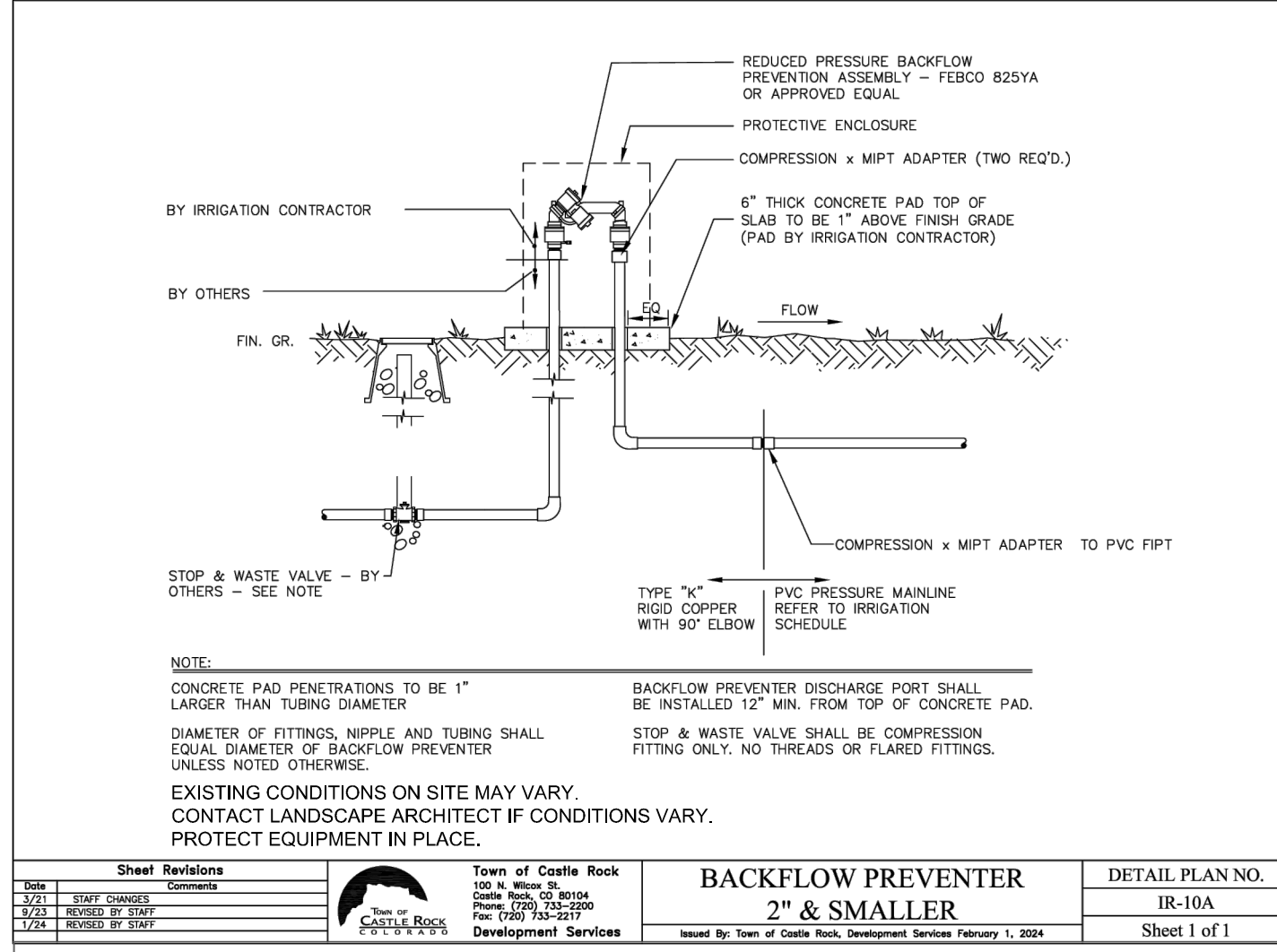
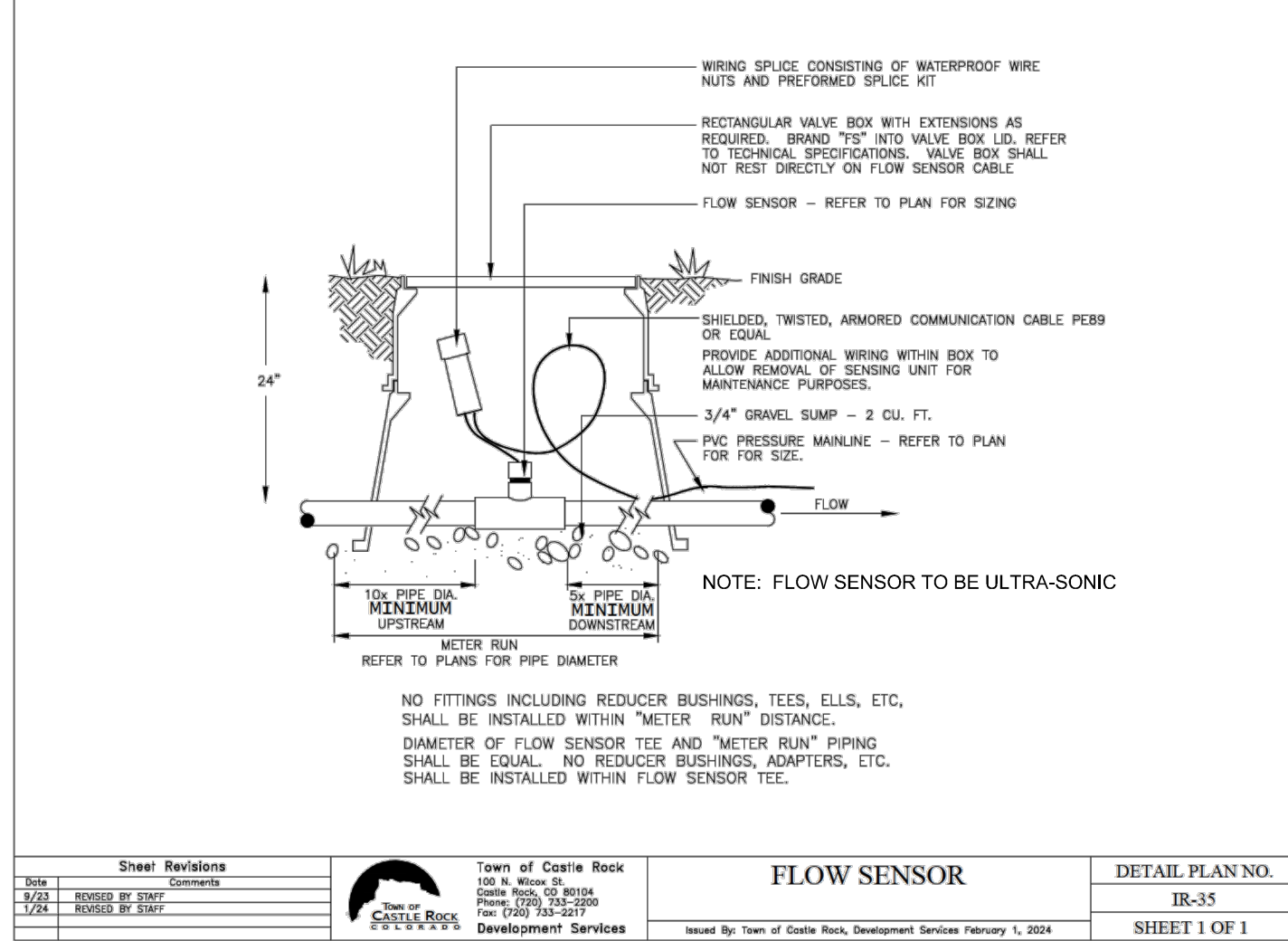
Green shading indicates required information you must provide

Total System requirements (PSI) 54.61

Available System Pressure (PSI) 80.00

Town of Castle Rock provides a minimum of 43 psi

Total Irrigated area for tap # is 18,437 sq. ft. 1



IRRIGATION CHART

Registered Professional: Galloway and Company Registration #: 15-1475 Date: 12/02/2024

Company Name: Galloway & Company Address: 5500 Greenwood Plaza Blvd, Suite 200, Greenwood Village, CO 80111

Phone: 303.773.8888 Email: gallowayandcompany@gmail.com Cook Make: 8/20/2024

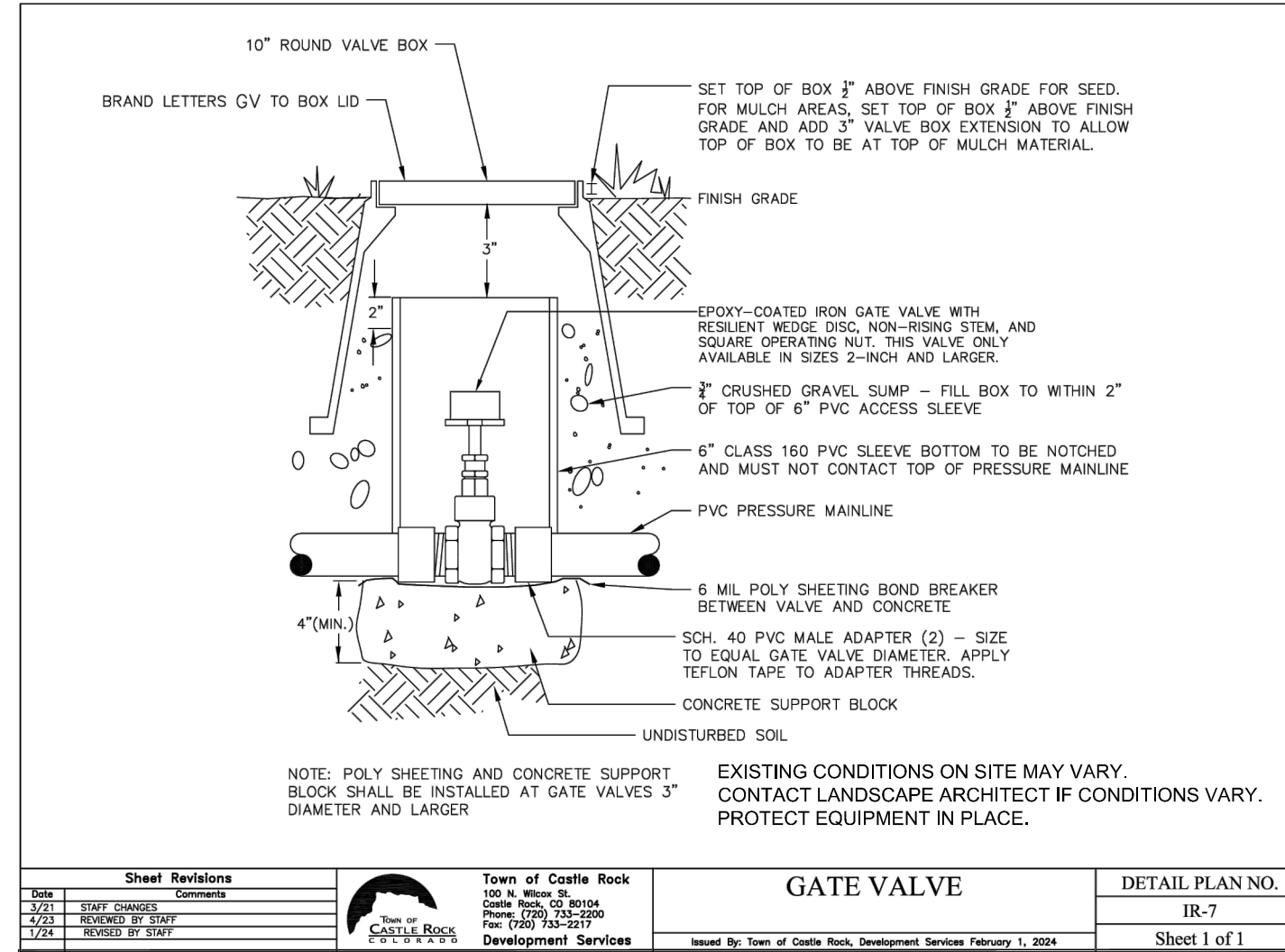
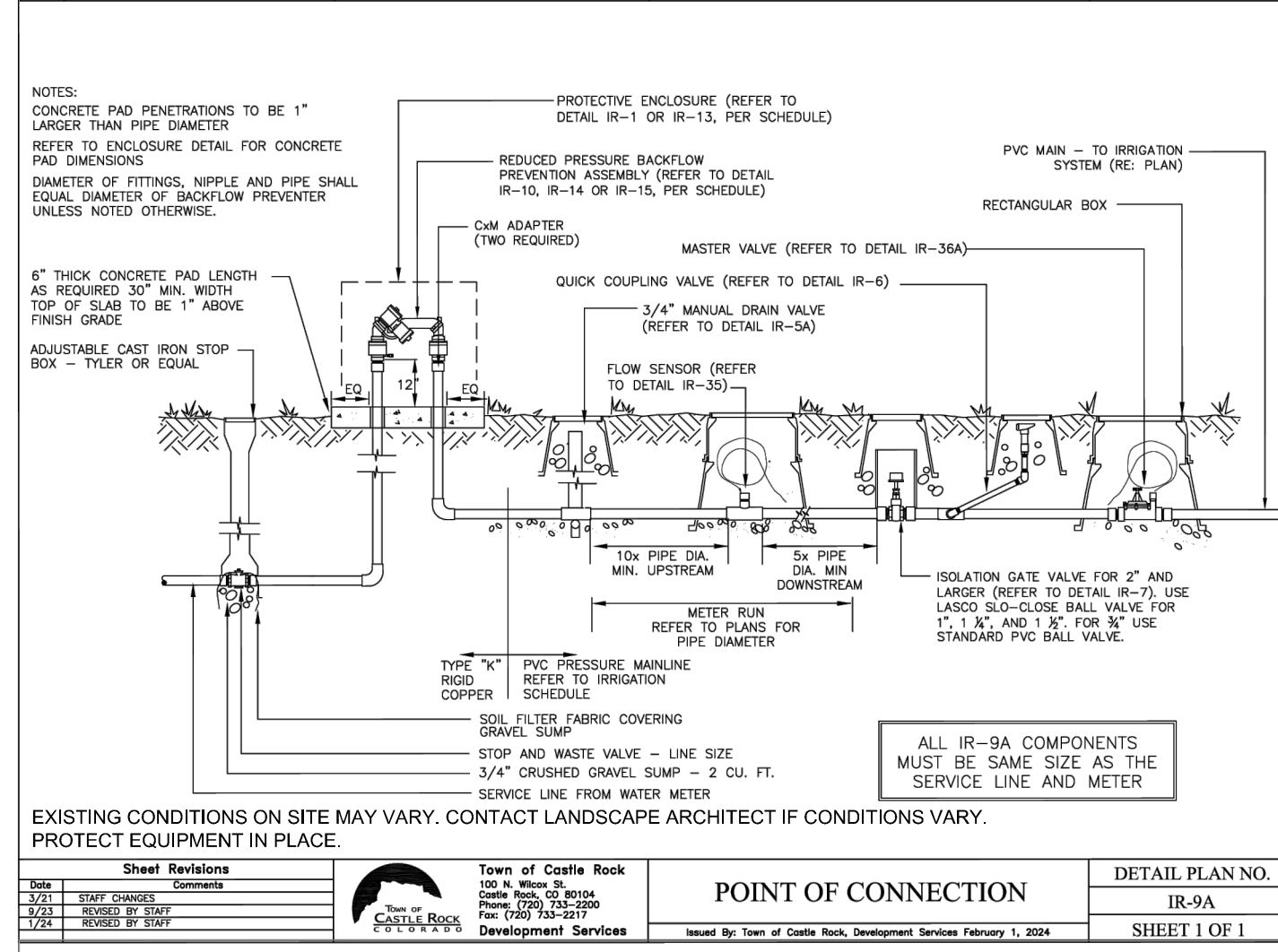
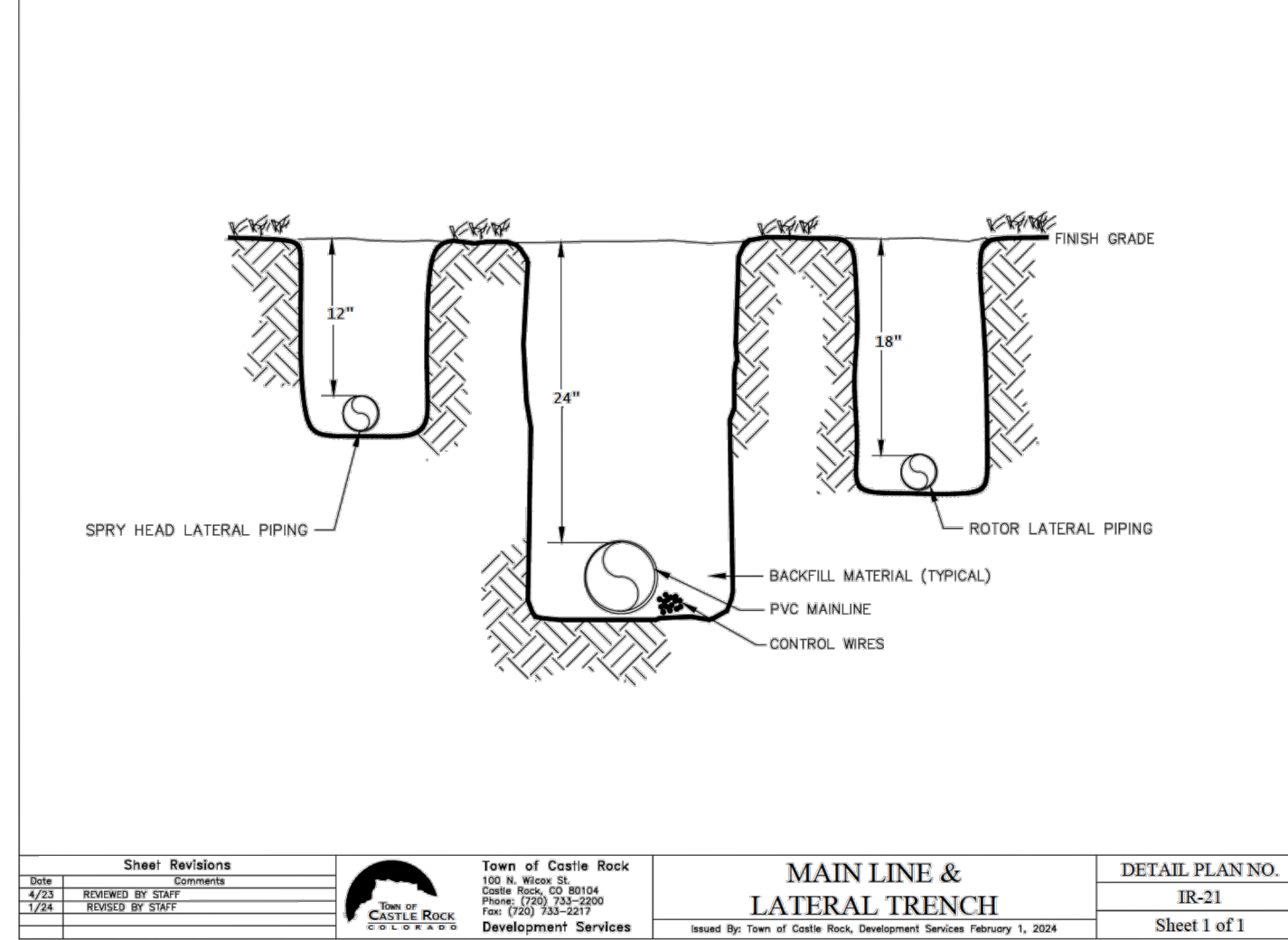
Hours: Monday, Wednesday, Friday (closed ends of 1-2) & Tuesday, Thursday, Saturday (closed ends of 1-2)

Zone	Hydrozone	Plant Type	Head Type	Nozzle	App. Rate	GPM	Inches/Month	Run Time	Run Time	Water Usage
		(ref. notes, plants, perennials, trees, shrubs, etc.)	(pistol, sprayer, ballcock, etc. 30', etc.)	(pistolhead)	(inches/hour)	(per acre)	(gallons per month)	(minutes per month)	(per day)	(gallons per month)
E1	MEDIUM	TURF	Pico-Spray PRESS40	HP-ROTATOR	0.4	7	3.5	826	81	3,506
E2	MEDIUM	TURF	Pico-Spray PRESS40	HP-ROTATOR	0.4	13	3.5	525	53	6,615
E3	LOW	SPRUBS	CRIP	HE-B	0.5	3	4	480	48	1,330
E4	LOW	SPRUBS	CRIP	HE-B	0.5	4	4	480	48	2,001
E5	LOW	SPRUBS	CRIP	HE-B	0.5	2	4	480	48	960
E6	LOW	SPRUBS	CRIP	HE-B	0.5	1	4	480	48	480
7										
8										
9										
10										
11										
12										
13										
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24										
25										
26										
27										
28										
29										
30										
Total							Min/month: 2,010	Min/cycle: 207		10,341

Min/month Min/cycle Gallons/month

revised 7/2018

9



TOWN APPROVAL BLOCK

TOWN OF CASTLE ROCK APPROVAL
PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM
DATE OF DEVELOPMENT SERVICES APPROVAL
DEVELOPMENT SERVICES
APPROVED
APPROVED BY: By Jirikpatrick on 09/30/2025
APPROVED-CD24-0036 Plans.pdf
Record Document on File

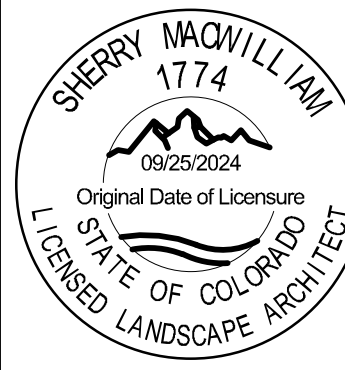
DEVELOPMENT SERVICES DATE

CAUTION - NOTICE TO CONTRACTOR

1. ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT. PRIOR TO CONSTRUCTION, REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
2. WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POTHOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.



Know what's below.
Call before you dig.



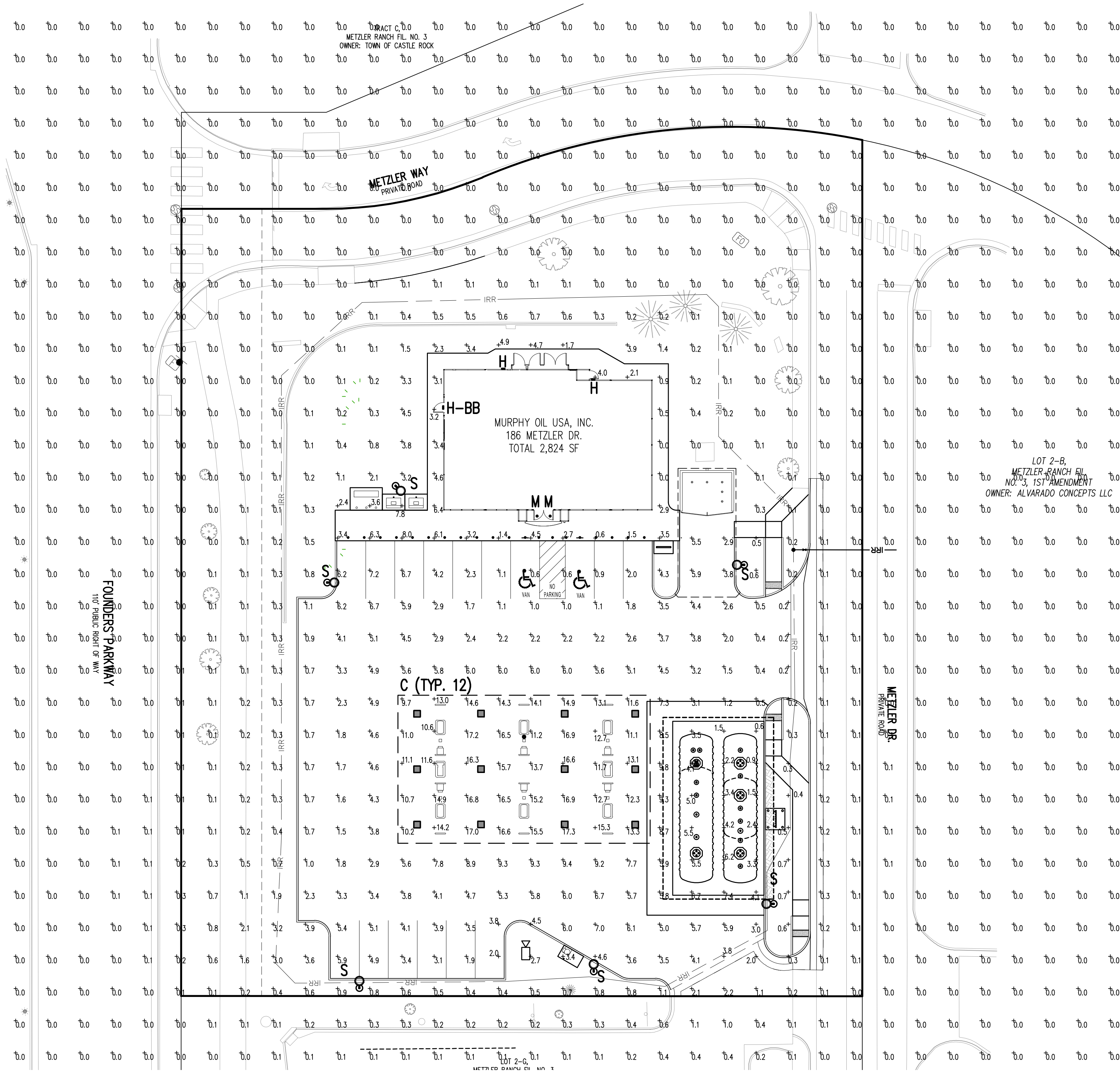
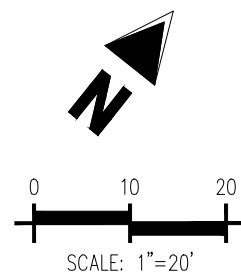
IRRIGATION NOTES
MURPHY USA (NTI)
186 METZLER DRIVE
CASTLE ROCK
COLORADO

Galloway
1155 Kelly Johnson Blvd, Suite 305
Colorado Springs, CO 80920
719.590.7220
Kyle Goodman P.E.
GallowayUS.com

MURPHY OIL USA, INC.
200 PEACH STREET
EL DORADO, AR 71730

MURPHY USA

SHEET NO. IR-2
SHEET 24 of 28



- LIGHTING STANDARD NOTES:**
1. LIGHT LOSS FACTOR OF 1.0 USED FOR THIS STUDY. REFER TO LUMINARY SCHEDULE THIS SHEET
 2. ALL LIGHTS, EXCEPT THOSE REQUIRED FOR SECURITY PURPOSES, TO BE EXTINGUISHED BY A TIME CLOCK ONE HOUR AFTER CLOSE OF BUSINESS.
 3. ALL LIGHTING DESIGNED TO ENSURE PERSONAL SAFETY AND PREVENT MOTOR VEHICLE AND PEDESTRIAN CONFLICTS BY REDUCING THE NEGATIVE EFFECTS OF GLARE, LIGHT POLLUTION, AND LIGHT TRESPASS. FOR THIS SITE LIGHT ASSEMBLIES WERE PLACED TO ILLUMINATE THE AREAS OF GREATEST CONCERN FOR SAFETY. THESE AREAS ARE THE GASOLINE PUMPS UNDER THE CANOPY, THE AREA SURROUNDING THE TRASH ENCLOSURE, CUSTOMER PARKING, UNDERGROUND TANKS AREA TO ENSURE ILLUMINATION DURING ALL WEATHER FOR SAFE FILLING, THE VACUUM AND AIR STATION, AND ALL SITE APPURTENANCES THAT MAYBE UTILIZED BY CUSTOMER
 4. LIGHT TRESPASS TO ADJACENT PROPERTIES MITIGATED BY UTILIZING FULL CUT-OFF FIXTURES THROUGHOUT THE SITE AND ORIENTATING ALL FIXTURES IN TOWARDS THE SITE AND USING A TYPE III DISTRIBUTION WITH BACK LIGHT CONTROL OPTION ON ALL SITE AREA LIGHT FIXTURES.
 5. THE FOLLOWING TYPES OF LIGHTS ARE PROHIBITED:
FORWARD THROW (TYPE IV) DISTRIBUTION, POLE-MOUNTED LIGHTS AIMED AT A BUILDING FACADE, AND UNSHIELDED WALL PACKS



FIXTURE "S": AREA/SITE POLE ASSEMBLY
REFER TO LUMINARY SCHEDULE THIS SHEET FOR MORE INFORMATION



FIXTURE "C": CANOPY FIXTURE
REFER TO LUMINARY SCHEDULE THIS SHEET FOR MORE INFORMATION



FIXTURE "H" & "H-BB": WALL FIXTURE
REFER TO LUMINARY SCHEDULE THIS SHEET FOR MORE INFORMATION



FIXTURE "M": EGRESS SOFFIT FIXTURE
REFER TO LUMINARY SCHEDULE THIS SHEET FOR MORE INFORMATION

Calculation Summary							
Label	Calc Type	Units	Average (AVG)	Min	Max	AVG/Min	Max/Min
CANOPY INFLUENCE AREA	Illuminance	FC	12.75	7.3	17.3	1.75:1	2.37:1
PARKING AREA	Illuminance	FC	3.55	8.0	0.6	5.92:1	13.33:1

1 PHOTOMETRIC SITE PLAN
SCALE: 1"=20'-0"

LUMINAIRE SCHEDULE							
MOUNTING CONFIG	SYMBOL	QTY	ASSEMBLY HEIGHT	POLE HEIGHT	LUMENS	TOTAL WATTS	MODEL NUMBER
S		6	19'-6"	19'-6"	8469	159	RA252-72L-615-SK7-3-UNV-DBS-BC-HA11L-W
C		12	15'-0"	N/A	5539	38	CRUS-SC-LED-SLW-50-UE-WHT-DFL
H		2	8'-3"	N/A	3081	23	XWM 3 LED 03L 50 UE BRZ
H-BB		1	8'-3"	N/A	3081	23	XWM 3 LED 03L 50 UE BRZ CWBB
M		2	8'-8"	N/A	2333	22	LC06LED25LUNVDM135WF TRSRWHHAZ EM
DESCRIPTION							
KIM LIGHTING, RA25A2 LED ARCHITECTURAL AREA LIGHT, 72L-615 CURRENT PACKAGE, 5000K, 70 CRI, TYPE III DISTRIBUTION, DARK BRONZE SMOOTH COLOR, NO LENS, BACKLIGHT CONTROL, HA11L POLE ARM							
LSI LIGHTING, LEGACY SERIES, SUPER LOW WATT DRIVER, FLAT LENS CANOPY FIXTURE WITH DIFFUSED LENS OPTION							
LSI LIGHTING, MIRADA (XWM) WALL MOUNT LUMINAIRE, 5000K CCT, 4000 LUMEN PACKAGE, BRONZE COLOR, H-BB WITH BATTERY BACK-UP							
LSI LIGHTING, L06 DOWN LIGHT LUMINAIRE, 3500K CCT, 2500 LUMENS, WIDE FLOOD HAZE SEMI-DIFFUSED WALL WASH REFLECTOR, WHITE OR EQUIVALENT							

POLE SCHEDULE				
MOUNTING CONFIG	SYMBOL	QTY	POLE HEIGHT	MODEL NUMBER
S		6	19'-6"	HSA20-534188-SA-HA11LRA25-DBS
DESCRIPTION				
KIM LIGHTING, STEPPED ALUMINUM SMOOTH POLE, HA11-RA25 LARGE SIDE POLE SWEPT CAST ARM MOUNT, DARK BRONZE GLOSS SMOOTH COLOR				

TOWN APPROVAL BLOCK

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

APPROVED BY: **APPROVED**
By jkirkpatrick on 09/30/2025
APPROVED-CD24-0036 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.

KYLE R. GOODWIN
REGISTERED PROFESSIONAL ENGINEER # 63208

8/22/2025
DATE

ALL SIGNAGES UNDER A SEPARATE PERMIT



www.greenbergfarrow.com
251 West 30th Street
10th Floor
New York, New York 10001
t: 917.689.2729

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ISSUE RECORD		
DATE	REV.	DESCRIPTION
01/16/2024		ENTITLEMENT SET
13/08/2024		ENTITLEMENT SET

PROFESSIONAL SEAL

PROFESSIONAL IN CHARGE
SCOTT LOINTS

PROJECT MANAGER
JOSHUA MATOS

QUALITY CONTROL
CHRIS CERBO

DRAWN BY
ST

PROJECT NAME



**MURPHY OIL
CONVENIENCE
STORE**

FOUNDERS PKWY &
METZLER WAY,
CASTLE ROCK
COLORADO 80108



1801 Rockdale Industrial Blvd.
Conyers, Georgia 30012
Voice: (800) 366-6385
Fax: (770) 463-6037

FMS JOB NUMBER
G23MU00000
FMS MODEL NUMBER
XXXXXX

PROJECT NUMBER
20230962.5

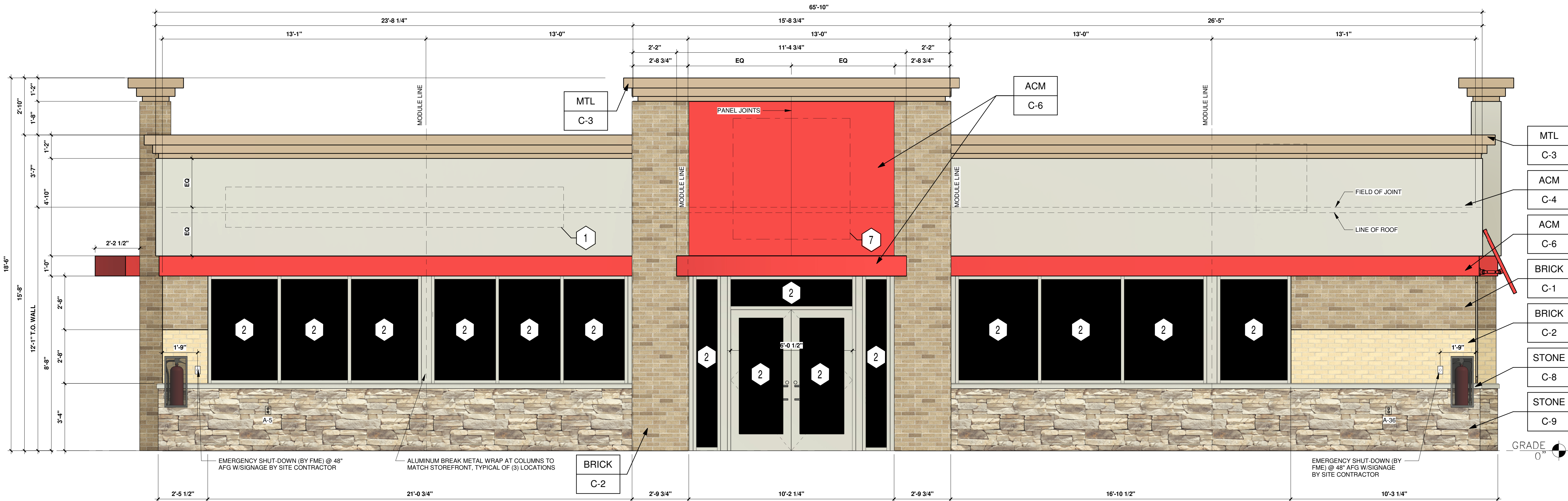
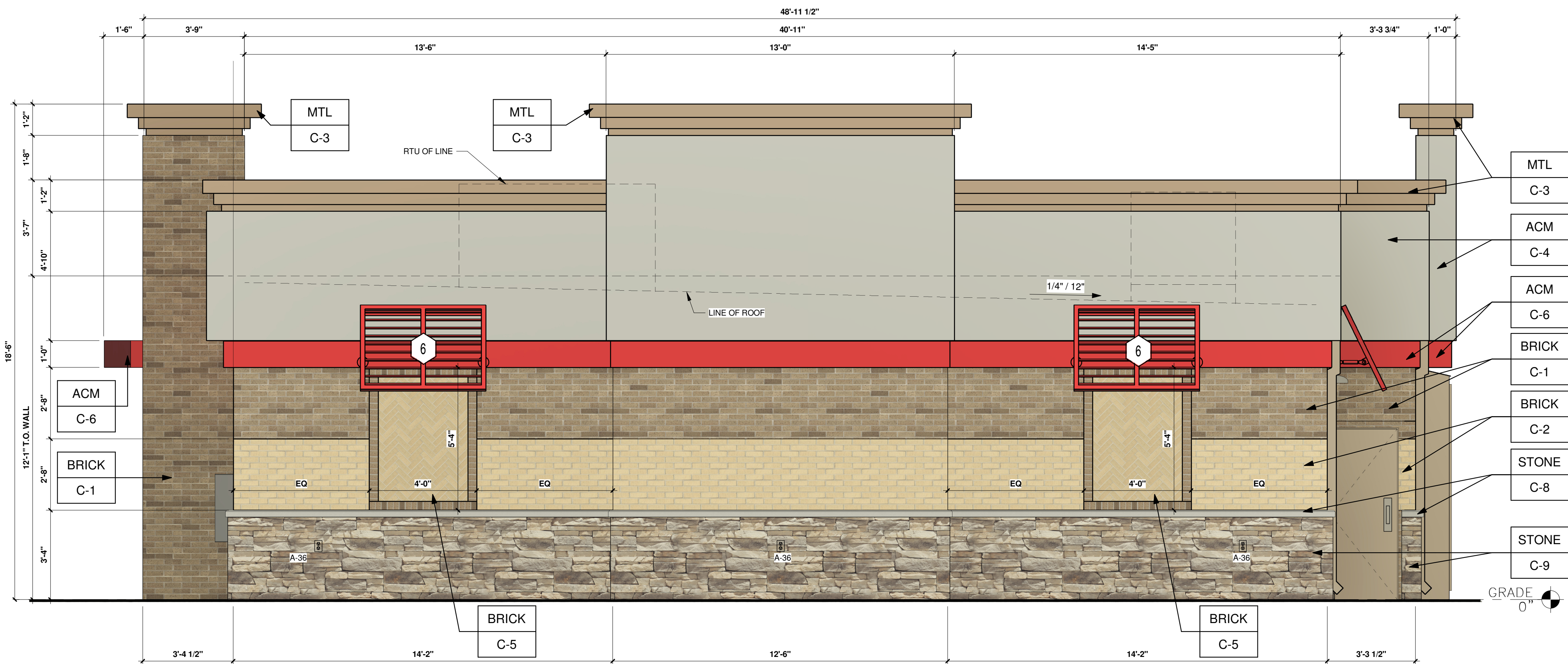
SHEET TITLE

**ARCHITECTURAL
ELEVATIONS
(BUILDING)**

SHEET NUMBER

A-1
(26 OF 28)

PROTO V4.0 06/28/2024
2800 SQ. FT. BUILDING



SITE DEVELOPMENT PLAN
LOT 2-H, METZLER RANCH FILING NO.3, 1S AMENDMENT
TOWN OF CASTLE ROCK PROJECT NO. SDP24-0001

KEYED NOTES:

1	ROUTED LETTER LOGO SIGNAGE	BY FMS
2	CLEAR ANODIZED ALUMINUM STOREFRONT SYSTEM KAWNEER, YKK OR EQUAL	C-7
3	EXTERIOR LIGHTING, REFER TO LIGHTING PLAN	SHEET EL2
4	4" x 4" PAINTED METAL DOWNSPOUTS	C-3
5	DOORS (EXTERIOR SIDE) AND DOOR FRAMES PAINTED	C-3
6	METAL AWNING BY B&C AWNING INC. OR EQUAL	C-6
7	MURPHY STAR LOGO SIGNAGE	BY SIGN CONTRACTOR

ALL SIGNAGES UNDER A SEPARATE PERMIT



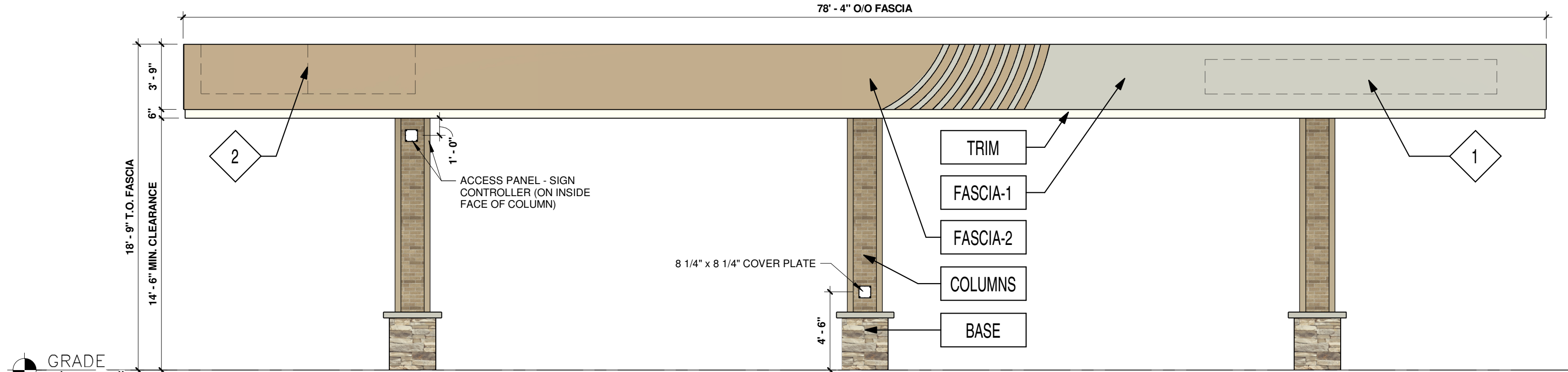
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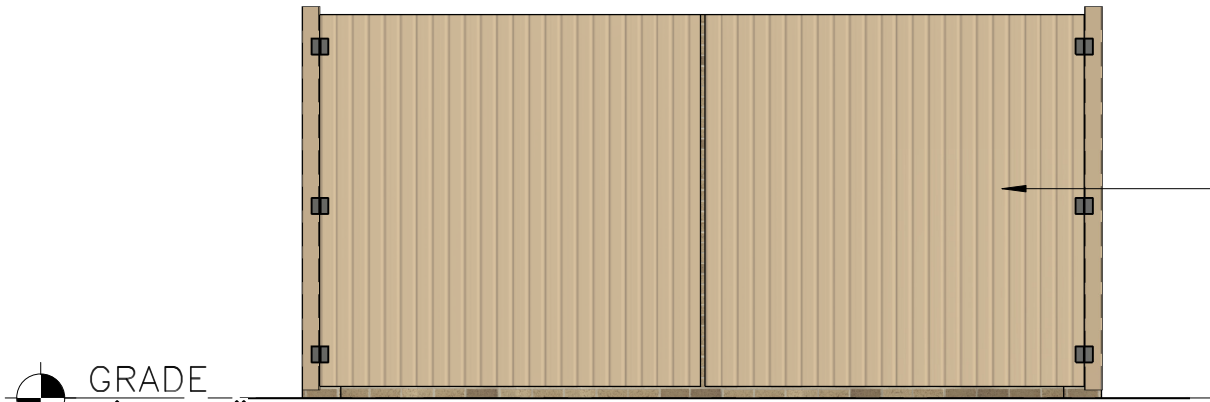
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ISSUE RECORD

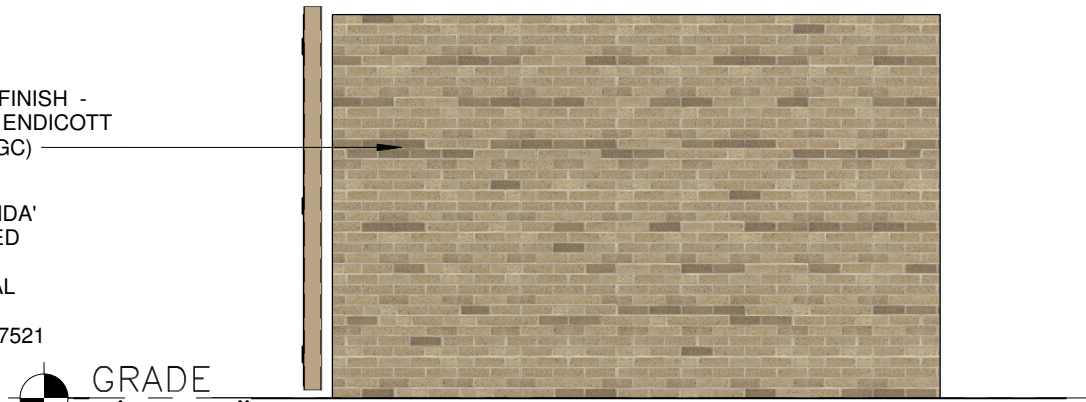
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13/08/2024	ENTITLEMENT SET	



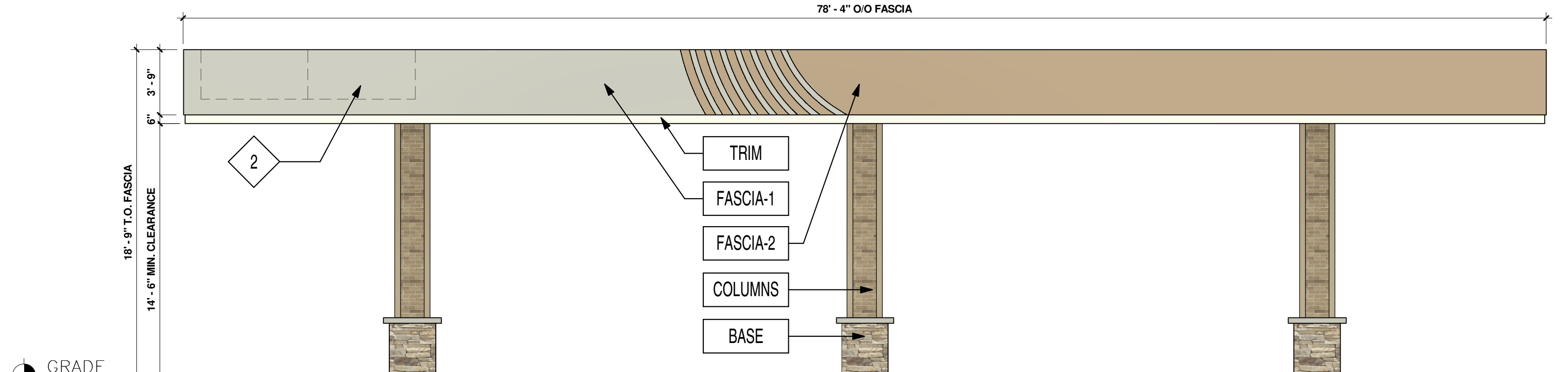
1 SOUTH-EAST ELEVATION
3/16" = 1'-0"



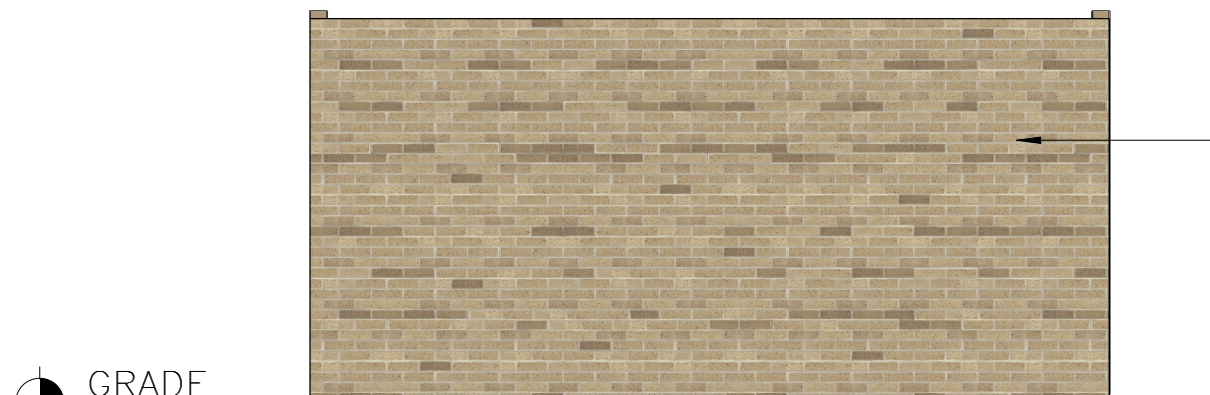
5 DUMSTER ENCLOSER - FRONT ELEVATION
1/4" = 1'-0"



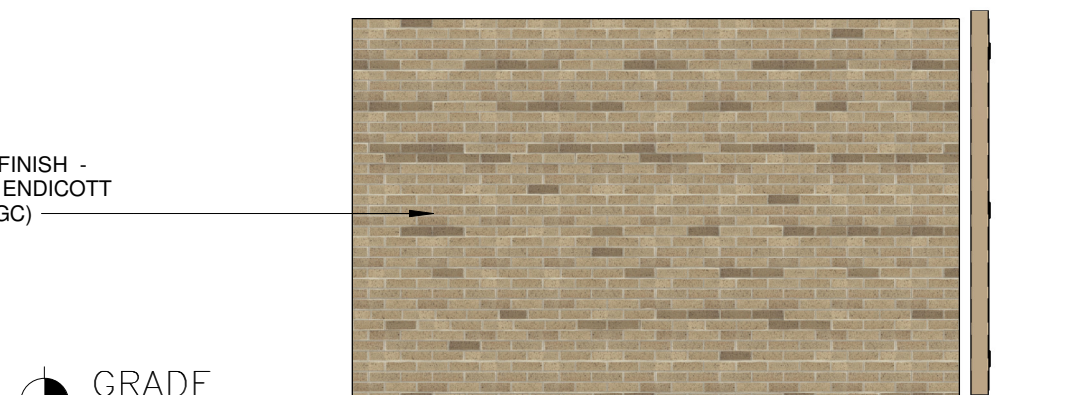
6 DUMSTER ENCLOSER - RIGHT ELEVATION
1/4" = 1'-0"



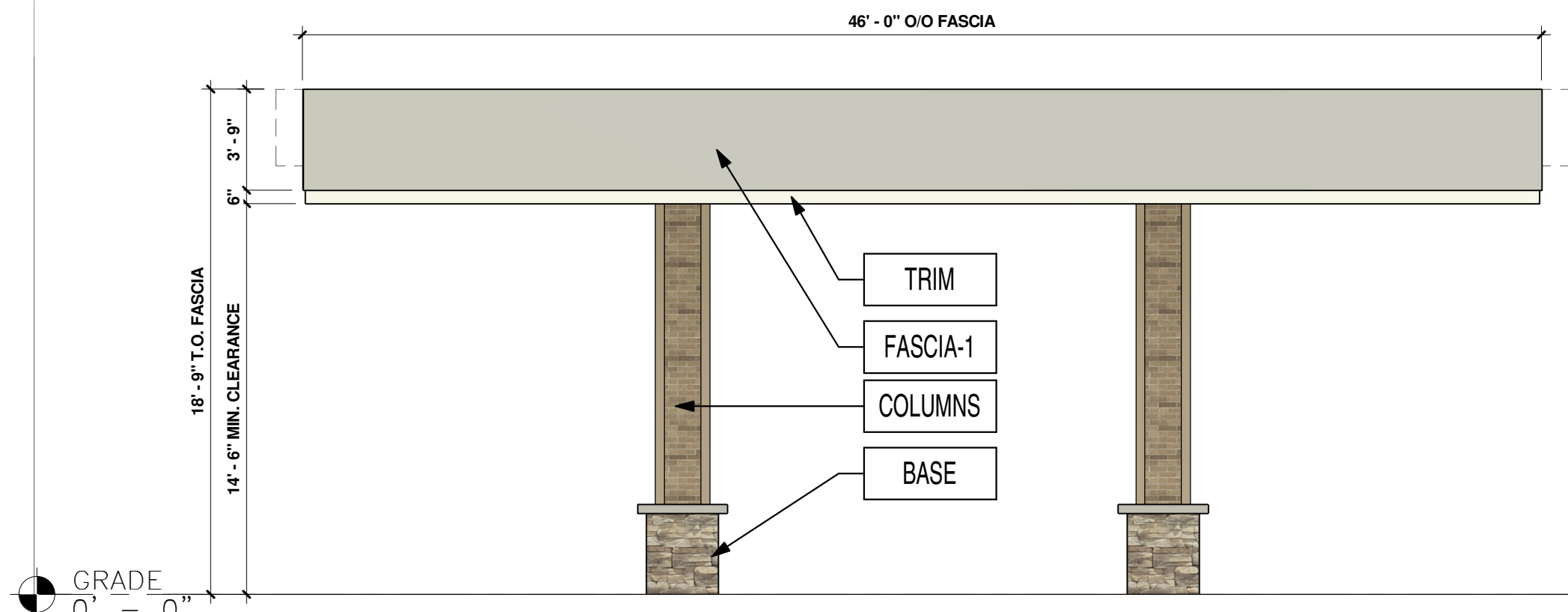
2 NORTH-WEST ELEVATION - METZLER WAY
3/16" = 1'-0"



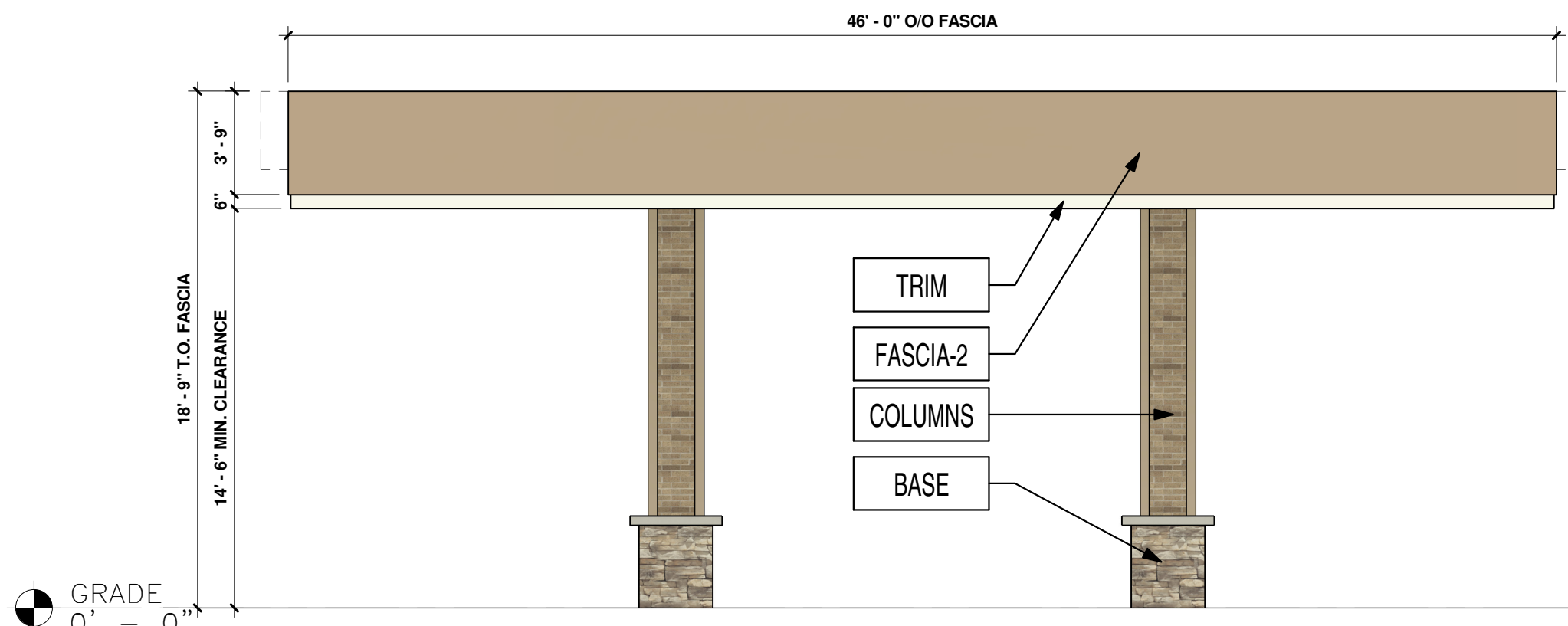
7 DUMSTER ENCLOSER - REAR ELEVATION
1/4" = 1'-0"



8 DUMSTER ENCLOSER - LEFT ELEVATION
1/4" = 1'-0"



3 NORTH-EAST ELEVATION
3/16" = 1'-0"



4 SOUTH-WEST ELEVATION - FOUNDERS PKWY
3/16" = 1'-0"

FINISH SCHEDULE			KEYED NOTES
FASCIA-1	ACM (ALUMINUM COMPOSITE MATERIAL)	ACM FASCIA "BRUSHED ALUMINUM"	
FASCIA-2	ACM (ALUMINUM COMPOSITE MATERIAL)	ACM FASCIA "DORMER BROWN" SW #7521	1 MURPHY USA LOGO SIGN
TRIM	20 GA. SHEET METAL	6" HT PRE-FINISHED METAL ACCENT BAND "PURE WHITE" SW #7005	2 CANOPY PRICE SIGNS, CANOPY DESIGNED TO SUPPORT SIGNAGE AT ALL CORNERS
COLUMNS	THIN BRICK VENEER	"LIGHT SANDSTONE VELOUR" BY ENDICOTT	
BASE	THIN STONE VENEER	"ALDERWOOD STACKED STONE" BY ELDORADO STONE	

SITE DEVELOPMENT PLAN
LOT 2-H, METZLER RANCH FILING NO.3, 1S AMENDMENT
TOWN OF CASTLE ROCK PROJECT NO. SDP24-0001

PROFESSIONAL SEAL

PROFESSIONAL IN CHARGE

SCOTT LONITS

PROJECT MANAGER

JOSHUA MATOS

QUALITY CONTROL

CHRIS CERBO

DRAWN BY

SS

PROJECT NAME

MURPHY
USA

MURPHY OIL
FUEL FACILITY
CANOPY

FOUNDERS PKWY &
METZLER WAY,
CASTLE ROCK
COLORADO 80108

FREY MOSS
STRUCTURE

1801 Rockdale Industrial Blvd.
Conyers, Georgia 30012
Voice: (800) 366-6385
Fax: (770) 483-6037

FMS JOB NUMBER

GXXMXXXXX

FMS MODEL NUMBER

XXXXXX

PROJECT NUMBER

20230962.5

SHEET TITLE

ARCHITECTURAL
ELEVATIONS
(CANOPY & DUMPSER
ENCLOSURE)

SHEET NUMBER

A-3
(28 OF 28)

PROTO V6.1 03/01/2023