

COVER SHEET GENERAL NOTES

1. ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF PUBLIC IMPROVEMENTS SHALL MEET OR EXCEED THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE TOWN OF CASTLE ROCK (TCR) MUNICIPAL CODE, TCR TECHNICAL MANUALS, AND APPLICABLE STATE AND FEDERAL REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE TECHNICAL MANUAL OR ANY APPLICABLE STANDARDS, THE MORE STRINGENT STANDARD SHALL APPLY. ALL WORK SHALL BE INSPECTED AND APPROVED BY THE TCR CONSTRUCTION INSPECTOR.
2. 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.
3. 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.
4. 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.
5. CONTRACTOR SHALL PROVIDE A MINIMUM SEVENTY-TWO (72) HOURS NOTICE TO THE ON-SITE TCR CONSTRUCTION INSPECTOR, (720) 733-2200, PRIOR TO MAKING ANY CONNECTIONS/TIE-INS TO EXISTING WATER, SANITARY SEWER, AND/OR STORM SEWER SYSTEMS PROVIDED THAT THE UTILITY TIE-IN DOES NOT DISRUPT SERVICE TO EXISTING CR WATER CUSTOMERS. IF THE TIE-IN WILL DISRUPT UTILITY SERVICE, THEN CONTRACTOR SHALL PROVIDE A MINIMUM OF THREE (3) WEEKS NOTICE TO THE TCR CONSTRUCTION INSPECTOR TO ALLOW TIME FOR CR WATER TO PROVIDE WRITTEN NOTIFICATION TO EXISTING CUSTOMERS AFFECTED BY THE TIE-IN. ALL TOWN UTILITY TIE-INS MUST BE APPROVED BY CR WATER PRIOR TO COMMENCING WORK.
6. THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE APPROVED PLANS, ONE (1) COPY OF THE APPROPRIATE CRITERIA AND SPECIFICATIONS, AND A COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB ONSITE AT ALL TIMES.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
8. IF DURING THE CONSTRUCTION PROCESS CONDITIONS ARE ENCOUNTERED WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE TCR CONSTRUCTION INSPECTOR IMMEDIATELY.
9. ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD UNLESS SPECIFICALLY STATED OTHERWISE.
10. 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.
11. 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.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING AS-BUILT INFORMATION ON A SET OF RECORD DRAWINGS KEPT ON THE CONSTRUCTION SITE AND AVAILABLE TO THE TCR CONSTRUCTION INSPECTOR AT ALL TIMES.
13. 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.
14. 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.
15. 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.
16. 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.
17. THERE SHALL BE NO SITE CONSTRUCTION ACTIVITIES ON SATURDAYS UNLESS SPECIFICALLY APPROVED BY THE TCR CONSTRUCTION INSPECTOR AND NO SITE CONSTRUCTION ACTIVITIES ON SUNDAYS OR HOLIDAYS UNLESS THERE IS PRIOR WRITTEN APPROVAL BY THE PUBLIC WORKS DIRECTOR.
18. 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, CRUPS, COT SLOPES, AND BERMS, SHALL BE PLACED WITHIN SIGHT DISTANCE LINES AND SIGHT DISTANCE EASEMENTS.
19. THIS PROPERTY IS LOCATED WITHIN ZONE X AS PER FEMA FIRM PANEL NO. 08035C0302G, DATED MARCH 16, 2016.
20. BENCHMARK: NGS V 336 A 3 1/4 DISK STAMPED V336, LOCATED ON THE SOUTHEAST SIDE OF HIGHWAY 86 BETWEEN HAPPY HOLLOW DRIVE AND EAST LINCOLN ROAD, APPROXIMATELY 250 FEET SOUTHEAST OF THE RIGHT-OF-WAY FENCE FOR HIGHWAY 86. NAVD88 ELEVATION: 6554.50 FEET.
SITE BENCHMARK NO. 1: 1" ALUMINUM CAP STAMPED "DLS CONTROL" NEAR THE SOUTHWESTERN EDGE OF THE SITE, NAVD88 ELEVATION: 6639.90 FEET.
SITE BENCHMARK NO. 2: 2" ALUMINUM CAP STAMPED "CR2 TAIT" NEAR THE SOUTHWESTERN EDGE OF THE SITE, NAVD88 ELEVATION: 6644.57 FEET. GRADE FLAG ELEVATIONS SHOWN HEREON ARE TRUNCATED BY 6600 FEET.
21. BEARINGS SHOWN HEREON ARE BASED ON THE EASTERLY LINE OF THE FOUNDERS MARKETPLACE FILING NO. 1, AMENDMENT 1 SUBDIVISION AS AN ASSUMED BEARING OF SOUTH 01°09'33" EAST, WITH ALL BEARINGS CONTAINED HEREIN RELATIVE THERETO.

CONTACTS

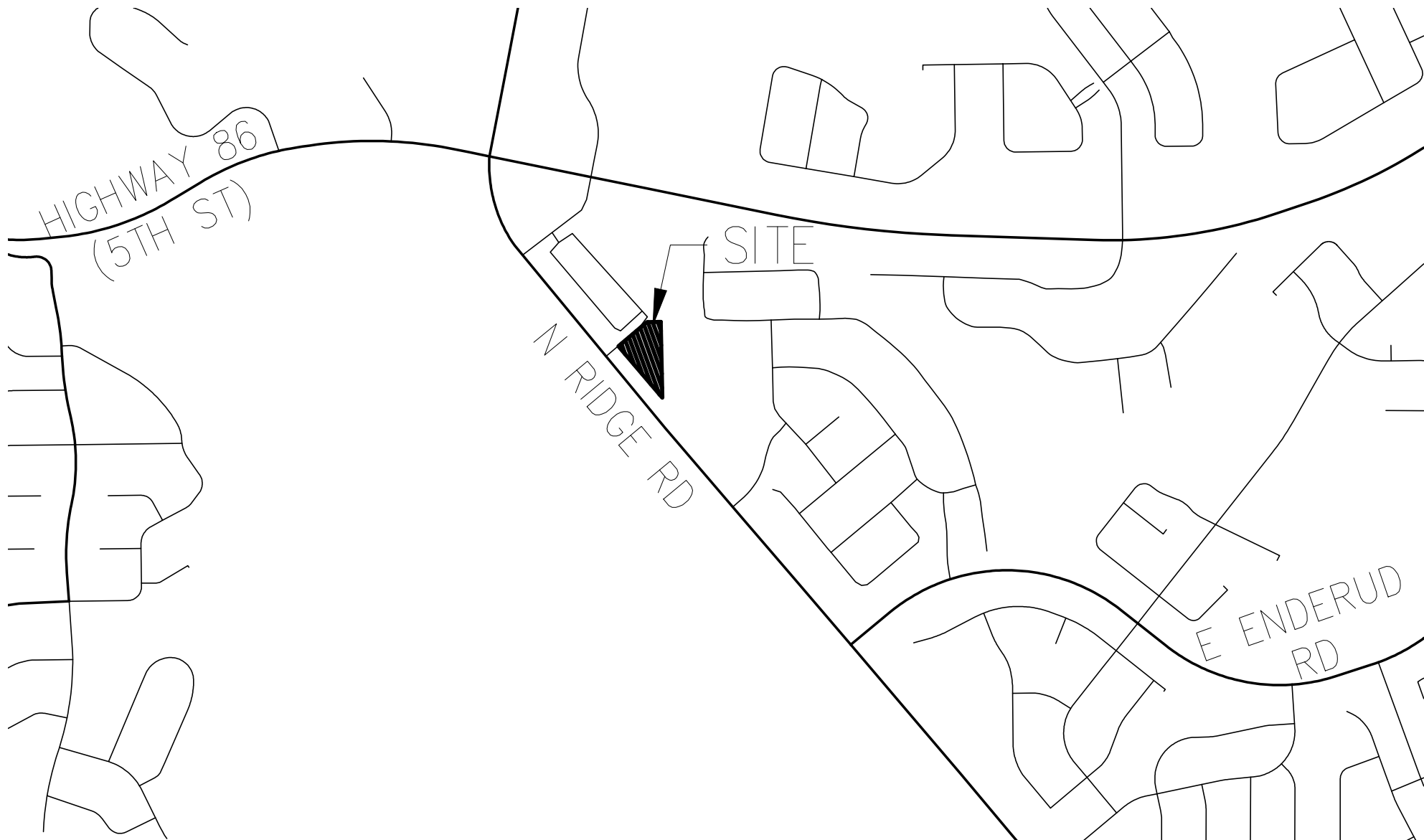
OWNER O'REILLY AUTO ENTERPRISES, LLC. 233 SOUTH PATTERSON SPRINGFIELD, MISSOURI 65802 (417) 862-2674	GEOTECH GRANITE ENGINEERING GROUP 1110 ELKTON DRIVE, SUITE B COLORADO SPRINGS, CO 80917 (719) 716-9009	POWER COMPANY CORE ELECTRIC COOPERATIVE 5496 US-85, SEDALIA, CO 80135 TIMOTHY WHITE - DIST 4 DIRECTOR (303) 688-3100
CIVIL TAIT & ASSOCIATES, INC. 320 N. LINCOLN AVE. LOVELAND, CO 80537 ATTN: TIMOTHY UHRIK, PE (970) 612-5444	MEP SMITH GOTH ENGINEERING, INC. 3855 S JEFFERSON AVE. SPRINGFIELD, MO 65807 (417) 882-2200	GAS COMPANY BLACK HILLS ENERGY 105 S VICTORIA AVE, PUEBLO, CO 81003 (800) 504-2000
ARCHITECT TIMOTHY M. GUILLOT, AIA 1736 EAST SUNSHINE, SUITE 417 SPRINGFIELD, MO 65804 (417) 862-0558	SURVEY TAIT & ASSOCIATES, INC. 320 N. LINCOLN AVE. LOVELAND, CO 80537 (970) 612-5446	TELEPHONE COMPANY COMCAST 5715 ATRIUM DR #100 CASTLE ROCK, CO 80104 (800) 934-6489
PUBLIC WORKS CASTLE ROCK PUBLIC WORKS 4175 CASTLETON COURT CASTLE ROCK, CO 80109 (720)-733-2462	UTILITIES-WATER AND SEWER CASTLE ROCK WATER 175 KELLOGG CT CASTLE ROCK, CO 80109 (720)-733-6000	CENTURY LINK (855) 525-1809

UNAUTHORIZED CHANGES & USES

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

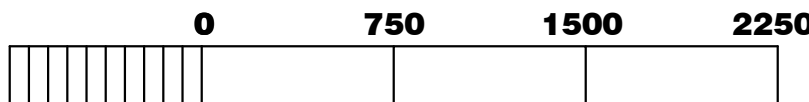
PUBLIC IMPROVEMENT CONSTRUCTION PLANS
O'REILLY AUTO PARTS

FOUNDERS MARKETPLACE FILING NO 1, AMENDMENT 1
A PART OF SECTION 7, TOWNSHIP 8 SOUTH, RANGE 66 WEST OF THE 6TH P.M.,
TOWN OF CASTLE ROCK, COUNTY OF DOUGLAS, STATE OF COLORADO
TOWN OF CASTLE ROCK PROJECT NO. CD25-0027.



VICINITY MAP

1" = 750'



GRAPHIC SCALE - FEET

ZONING COMPARISON TABLE

SITE DATA SUMMARY TABLE			
		ALLOWED/REQUIRED	PROPOSED
ZONING DISTRICT		INTEGRATED BUSINESS	INTEGRATED BUSINESS
LAND USE		RETAIL	RETAIL
		REQUIRED/ PERMITTED	PROVIDED
BUILDING HEIGHT		50' MAX	25'
MAXIMUM BUILDING COVERAGE		18,474 S.F. / 35%	6,721 S.F. / 12.73%
BUILDING SETBACK		REQUIRED	PROVIDED
	NORTH	15'	15'
	EAST	15'	15'
	SOUTH	15'	15'
	WEST	25'	25'
OFF STREET PARKING 3 SPACES PER 1000 S.F. OF GROSS FLOOR AREA	REGULAR SPACES	20	20
	ADA SPACES	2	2
	MAXIMUM EMPLOYEE	9	9
	TOTAL PARKING	31	31
BICYCLE PARKING	BICYCLE PARKING SPACES EQUAL TO 5% OF THE TOTAL OFF-STREET VEHICLE PARKING SPACES	2	2

LEGEND

	AREA OF LIGHT DUTY CONCRETE
	NEW BUILDING CONSTRUCTION
	AREA OF CONCRETE
	PROPERTY LINE
	ADJACENT PROPERTY/ ROW LINE
	BUILDING SETBACK LINE
	PROPOSED EASEMENT
	EXISTING GAS LINE
	EXISTING WATER LINE
	EXISTING SEWER LINE
	EXISTING OVERHEAD ELECTRIC LINE
	EXISTING TELEPHONE SERVICE LINE
	EXISTING ELECTRIC LINE
	PROPOSED WATER SERVICE LINE
	PROPOSED FIREWATER LINE
	PROPOSED SS SERVICE LINE
	PROPOSED STORM DRAIN
	PROPOSED RIDGELINE
	PROPOSED GRADE BREAK
	PROPOSED SWALE
	LIMITS OF DISTURBANCE
	PROPOSED WALL
	PROPOSED SITE SIGN
	PROPOSED SIGN
	PROPOSED TRANSFORMER
	PROPOSED BOLLARD
	PROPOSED WATER METER
	PROPOSED SS CLEANOUT
	PROPOSED BACKFLOW PREVENTOR
	EXISTING FIRE HYDRANT
	PROPOSED LIGHT POLE
	EXISTING ELEVATION
	PROPOSED ELEVATION
	EXISTING CONTOUR
	PROPOSED CONTOUR
	EXISTING SLOPE
	PROPOSED SLOPE
	EXISTING MANHOLE
	EXISTING INLET
	PROPOSED INLET
	PROPOSED RIPRAP
	PROPOSED SAWCUT
	MILL AND OVERLAY

FEMA FLOOD MAP NOTES

FIRM PANEL NUMBER: 08035C0302G
EFFECTIVE DATE: MARCH 16, 2016
FLOOD ZONE X

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



TOWN APPROVAL BLOCK

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

APPROVED

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.



(SIGNATURE AND SEAL HERE) DATE

SHEET INDEX

NO	SHEET NO.	SHEET TITLE
1	CT1.0	COVER SHEET
2	CT1.1	GENERAL NOTES
3	D1.1	SITE DEMOLITION PLAN
4	C1.1	SITE GRADING PLAN
5	C2.1	SITE DEVELOPMENT PLAN
6	C2.2	SITE DETAILS
7	C2.4	STORM DETAILS
8	C3.1	SITE UTILITY PLAN
9	C3.2	SITE UTILITY DETAILS
10	C3.3	SITE UTILITY DETAILS
11	SP1	SITE LIGHTING PHOTOMETRICS
12	SP2	SITE LIGHTING DETAILS
13	SP3	SITE LIGHTING DETAILS
14	L1.1	LANDSCAPE PLAN
15	L1.2	LANDSCAPE DETAILS
16	L2.1	IRRIGATION PLAN
17	L2.2	IRRIGATION DETAILS
18	L2.3	IRRIGATION CHARTS

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

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

FIELD CHANGE ORDER TABLE

FCO#	DATE	PURPOSE/DESCRIPTION

ABBREVIATIONS

CURB FACE	CF	INVERT ELEVATION	INV
EXPPOSED FOUNDATION	EF	SIDEWALK	SW
EXISTING GROUND	EG	TOP OF CURB	TC
EXISTING SURFACE	ES	TRASH PAD	TP
FINISHED FLOOR ELEVATION	FF	MATCH EXISTING	ME
FINISHED GROUND	FG	HIGH POINT	HP
FLOW LINE	FL	GRADE BREAK	GB
FINISHED SURFACE	FS	TOP OF WALL	TOW
POINT OF BEGINNING	POB	BOTTOM OF WALL	BOW
MATCH EXISTING	ME	HIGH POINT	HP
SIDEWALK	SW		

PROJECT:
NEW O'REILLY AUTO PARTS STORE
N. RIDGE RD.
CASTLE ROCK, CO #2

TIMOTHY M. GUILLOT
ARCHITECT

1736 East Sunshine, Suite 417
Springfield, Missouri 65804
e-mail: architect@cmrjschneider.com
417.862.0558
Fax: 417.862.3265

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

COMM # 4880
DATE: 01/31/25
REVISION DATE: 05/08/25
06/27/25
08/22/25
11/05/25

CT1.0

WATERLINE CONSTRUCTION NOTES

- ALL WATER LINE CONSTRUCTION IS SUBJECT TO THE GENERAL NOTES ON THE COVER SHEET OF THESE PLANS AS WELL AS THE WATER LINE CONSTRUCTION NOTES LISTED HEREIN.
- ALL WATER LINES SHALL BE: 1) DUCTILE IRON PIPE (DIP), CONFORMING TO THE REQUIREMENTS OF AWWA C150, CL350 (6"-12"), CL250 (16"AND 20"), CL200 (>24"), WITH PUSH-ON GASKETED JOINTS OR MECHANICAL JOINT ENDS, IN CONFORMANCE WITH AWWA C111. PIPE SHALL BE CEMENT-LINED IN ACCORDANCE WITH AWWA C104, AND AN EXTERIOR COATING IN ACCORDANCE WITH C151; OR 2) PVC PIPE, CONFORMING TO AWWA C900 FOR PIPE SIZES 8" AND 12", CL305 (DR14) AND AWWA C905 FOR PIPE SIZE OF 16", CL235 (DR18). MINIMUM DISTRIBUTION MAIN SIZE SHALL BE 8". WATER LINES THAT ARE 10", 14", AND 18" IN DIAMETER ARE NOT PERMITTED.
- WATER LINE FITTINGS SHALL BE DIP CONFORMING TO AWWA C153 OR C110 AND SHALL HAVE A PRESSURE RATINGS NOT LESS THAN THE PIPE. ALL FITTINGS SHALL BE MECHANICAL JOINT, UNLESS APPROVED BY CASTLE ROCK WATER.
- ALL DIP AND FITTINGS SHALL BE ENCASED IN POLYETHYLENE TO PREVENT CORROSION. POLYETHYLENE WRAP, TAPE AND INSTALLATION SHALL MEET THE REQUIREMENTS OF AWWA C105.
- GATE VALVES SHALL BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH AWWA C509-1 AND AWWA C515-01, AS APPROPRIATE, AND SHALL BE DUCTILE IRON BODY AND BONNET. RESILIENT-SEATED WEDGE GATE, NON-RISING STEM TYPE, O-RING SEALS, AND SLIP-ON CONNECTIONS (TAPPING VALVES, WHERE ALLOWED, SHALL BE FLANGE X MJ). VALVE ENDS SHALL BE MECHANICAL JOINT, UNLESS OTHERWISE SPECIFIED IN THE PLANS. THE VALVES SHALL BE SUITABLE FOR A WORKING PRESSURE OF 200 PSI. THEY SHALL BE CLOSED BY TURNING CLOCKWISE AND SHALL HAVE TWO-INCH SQUARE CAST IRON OPERATING NUTS WITH AN ARROW CAST IN THE NUT INDICATING THE DIRECTION OF OPENING. VALVES SHALL BE POLYETHYLENE WRAPPED IN ACCORDANCE WITH AWWA C105. THEY SHALL BE OF SUCH DESIGN AS TO MAINTAIN THE FULL AREA OF THE PIPE THROUGH THE VALVE WHEN OPEN AND SHALL BE DESIGNED TO TAKE FULL PRESSURE ON EITHER FACE. VALVE SHALL HAVE TYPE 304 STAINLESS STEEL BONNET BOLTS AND NUTS AND TYPE 304 STAINLESS STEEL O-RING GLAND BOLTS AND NUTS. VALVES SHALL BE MANUFACTURED BY AMERICAN FLOW CONTROL, KENNEDY OR MUELLER AND SHALL HAVE THE MANUFACTURER'S NAME OR INITIALS AND THE PRESSURE RATING CAST ON THE BODY.
- ALL FIRE HYDRANTS SHALL BE "PACER WB67-250" BY WATEROUS CO. OR "SUPER CENTURION 250" BY MUELLER CO., OPENING TO THE LEFT. REFER TO TCR STANDARD DETAIL W-11.
- ALL WATER LINES SHALL BE BURIED AN ABSOLUTE MINIMUM OF 5 FEET FROM FINAL GRADE TO THE TOP OF THE WATER MAIN. THE MAXIMUM BURY DEPTH SHALL BE 6 FEET, UNLESS ADDITIONAL DEPTH IS REQUIRED FOR UTILITY CROSSINGS OR OTHER CONFLICTS. WHEREVER SUCH CROSSINGS OR CONFLICTS OCCUR, THE TCR STANDARD DETAIL W-17 SHALL BE USED.
- ALL WATER LINES SHALL BE BEDDED IN ACCORDANCE WITH TCR STANDARD DETAIL W-21.
- CONTRACTOR SHALL MAINTAIN A MINIMUM 18-INCH VERTICAL CLEARANCE AND 10-FOOT HORIZONTAL CLEARANCE EDGE-TO-EDGE BETWEEN ALL WATER LINES AND ANY OTHER PIPED UTILITIES.
- ALL BENDS, TEES, FIRE HYDRANTS AND PLUGS AT DEAD-END MAINS SHALL BE RESTRAINED FROM THRUST BY USING MEGALUG RESTRAINTS PER TCR STANDARD DETAIL W-18 IN COMBINATION WITH CONCRETE THRUST BLOCKS PER TCR STANDARD DETAIL W-22.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL FIRE HYDRANTS AND VALVE BOXES TO FINISH GRADE IN ACCORDANCE WITH TCR STANDARD DETAILS W-10 AND W-11.
- PRIOR TO CONNECTING TO THE TOWN'S EXISTING WATER SYSTEM, ALL NEW WATERLINES AND/OR SEGMENTS OF WATERLINES SHALL BE DISINFECTED, PRESSURE TESTED, AND BACTERIOLOGICALLY TESTED IN ACCORDANCE WITH SECTION 450.5 OF THE TOWN OF CASTLE ROCK CONSTRUCTION METHODOLOGY AND MATERIALS MANUAL; AWWA C851-14 AND C800-5.2; AND DETAILS W-35A AND/OR W-35B. PLEASE NOTE THAT THIS DISINFECTION AND TESTING WILL BE PERFORMED WHILE THE NEW WATERLINES AND/OR SEGMENTS OF WATERLINES ARE NOT PHYSICALLY CONNECTED TO THE TOWN'S EXISTING WATER SYSTEM. TOWN AND CONTRACTOR SHALL FURNISH MATERIALS AS SHOWN ON DETAILS W-35A AND/OR W-35B. CONTRACTOR SHALL PERFORM ALL PROCEDURES FOR TESTING, FLUSHING AND DISINFECTING OF ALL WATER LINES. TESTING SHALL BE DONE IN THE PRESENCE OF THE TCR CONSTRUCTION INSPECTOR. CONTRACTOR SHALL PROVIDE A MINIMUM SEVENTY-TWO (72) HOUR NOTICE TO, AND OBTAIN APPROVAL FROM THE ON-SITE TCR CONSTRUCTION INSPECTOR, (720)733- 2200, PRIOR TO DISINFECTION, PRESSURE TESTING, AND BACTERIOLOGICAL TESTING OF ANY NEW WATERLINES AND/OR SEGMENTS OF WATERLINES.
- DISTANCES FOR WATER LINES ARE HORIZONTAL DISTANCE FROM THE CENTER OF THE FITTING TO CENTER OF THE FITTING. THEREFORE, DISTANCES SHOWN ON THE PLANS ARE APPROXIMATE AND COULD VARY DUE TO VERTICAL ALIGNMENT AND FITTING DIMENSIONS.
- ALL DOMESTIC WATER SERVICE LINES SHALL BE TYPE K COPPER INSULATED WITH POLYWRAP, FROM THE MAIN TO THE METER. THE WATER METER SHALL BE SUPPLIED BY THE TOWN AND INSTALLED BY THE CONTRACTOR. THE WATER METER WILL BE AVAILABLE FOR PICK UP AT CASTLE ROCK WATER. THE INDIVIDUAL PICKING UP THE WATER METER MUST HAVE PROOF OF A PERMIT AND MUST HAVE PAID ALL FEES ASSOCIATED WITH THE WATER METER.
- WATER LINE TRENCHES SHALL BE SLOPED OR BRACED AND SHEETED AS NECESSARY FOR THE SAFETY OF THE WORKERS AND THE PROTECTION OF OTHER UTILITIES, IN COMPLIANCE WITH ALL APPLICABLE STATE AND FEDERAL REQUIREMENTS. FOR ALL EXCAVATION OPERATIONS, SAFETY IS THE RESPONSIBILITY OF THE CONTRACTOR.
- WATER LINES SHALL BE ALIGNED 6 FEET OFF THE NORTH AND EAST GUTTER FLOW LINES OF PUBLIC STREETS WHEREVER POSSIBLE. SEE DETAIL W-13.
- WHERE WATER LINE IMPROVEMENTS ARE DIFFICULT TO LOCATE ON THE SURFACE, THE CONTRACTOR SHALL BE REQUIRED TO INSTALL PERMANENT WATER LINE MARKERS, IN ACCORDANCE WITH TCR STANDARD DETAIL W-23, OR AT THE DISCRETION OF THE TCR CONSTRUCTION INSPECTOR.
- TRACER WIRE SHALL BE USED ON ALL DIP AND PVC WATER MAINS, AND WARNING TAPE SHALL BE PLACED 1 FOOT ABOVE ALL DIP AND PVC PIPE. REFER TO TOWN OF CASTLE ROCK STANDARD TRACER WIRE REQUIREMENTS, IN THESE GENERAL NOTES. TEST STATIONS SHALL BE CONSTRUCTED PER STANDARD DETAIL W-28.
- THE MINIMUM DISTANCE BETWEEN TEES, CROSSES, VALVES, AND BENDS SHALL BE 10 FEET WHEREVER POSSIBLE.
- MAXIMUM DEFLECTION FOR WATER MAINS SHALL NOT EXCEED ONE-HALF OF THE MANUFACTURER'S MAXIMUM ALLOWABLE DEFLECTION OR 2.5 DEGREES, WHICHEVER IS LESS.
- ALL RESIDENTIAL WATER SERVICE LINES SHALL BE CONSTRUCTED PERPENDICULAR TO THE FRONT PROPERTY LINE IN CONFORMANCE WITH THE TOWN OF CASTLE ROCK WATER SYSTEM DESIGN CRITERIA MANUAL AND WATER DETAILS.
- THE MAXIMUM DEFLECTION OF DOMESTIC WATER SERVICE LINES AND IRRIGATION LINES SHALL NOT EXCEED THE MANUFACTURER'S MAXIMUM ALLOWABLE DEFLECTION.
- THE SIZE OF THE IRRIGATION TAP, LINE, METER AND BACKFLOW PREVENTION ASSEMBLY SHALL BE THE SAME TO A MINIMUM DISTANCE OF 10 PIPE DIAMETERS PAST THE WINTERIZATION TEE.
- THE MINIMUM HORIZONTAL SEPARATION BETWEEN UTILITY LINES CARRYING THE SAME MATERIAL (E.G., WATER AND WATER) SHALL BE 5 FEET.
- WHEN INSTALLING CUT IN TEES OR OTHER APPURTENANCES ON/IN AN EXISTING WATER LINE, THE PIPE MATERIAL BETWEEN THE EXISTING WATER LINE AND THE CUT IN TEE OR OTHER APPURTENANCE SHALL REMAIN CONSISTENT.
- CONTRACTOR IS RESPONSIBLE TO PROVIDE BACKFLOW PREVENTION DOWNSTREAM OF THE METER. ACCEPTABLE BACKFLOW PREVENTION ASSEMBLIES ARE AS FOLLOWS:

WATERLINE CONSTRUCTION NOTES

- COMMERCIAL POTABLE WATER SERVICE: REDUCED PRESSURE ASSEMBLY.
- RESIDENTIAL POTABLE WATER SERVICE: DOUBLE CHECK VALVE ASSEMBLY, REDUCED PRESSURE ASSEMBLY.
- COMMERCIAL FIRE SERVICE: REDUCED PRESSURE DETECTOR ASSEMBLY, DOUBLE CHECK VALVE DETECTOR ASSEMBLY.
- RESIDENTIAL FIRE SERVICE: REDUCED PRESSURE DETECTOR ASSEMBLY, DOUBLE CHECK VALVE DETECTOR ASSEMBLY.
- COMMERCIAL AND MULTIFAMILY IRRIGATION WATER SERVICE: REDUCED PRESSURE ASSEMBLY.

THE DOUBLE CHECK DETECTOR ASSEMBLY (DCDA) IS THE ONLY BACK FLOW PREVENTION DEVICE RATED FOR HORIZONTAL OR VERTICAL INSTALLATION.

FIRE DEPARTMENT NOTES

- IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER TO MAINTAIN DRIVE LANES FOR EMERGENCY VEHICLE INGRESS AND EGRESS, INCLUDING SNOW REMOVAL.
- EMERGENCY VEHICLE ACCESS ROAD IS REQUIRED TO ALLOW ACCESS WITHIN 150' OF ALL EXTERIOR OF THE BUILDING BY AN APPROVED ROUTE.
- FIRE APPARATUS ACCESS ROADS SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF FIRES APPARATUS AND SHALL BE PROVIDED WITH A SURFACE SO AS TO PROVIDE ALL-WEATHER DRIVING CAPABILITIES. ACCESS ROAD SHALL BE EITHER CONCRETE, ASPHALT, OR OTHER APPROVED ALTERNATIVE MATERIAL ACCOMPANIED WITH AN ENGINEER'S STAMP STATING THE MATERIAL WILL SUPPORT A 75,000 POUND IMPOSED LOAD.
- FIRE HYDRANT(S) ARE REQUIRED TO BE INSTALLED AND MADE SERVICEABLE PRIOR TO COMBUSTIBLE MATERIALS BEING BROUGHT ONTO THE SITE AND DURING THE TIME OF VERTICAL CONSTRUCTION.
- "NO PARKING FIRE LANE" SIGNS ARE REQUIRED IN AREAS THAT MEET THE FOLLOWING CRITERIA AND IN AREAS DESIGNATED BY THE FIRE PREVENTION BUREAU. SIGNS SHALL BE POSTED ON BOTH SIDES OF FIRE DEPARTMENT ACCESS ROADWAYS, PUBLIC OR PRIVATE ROADWAYS AND DRIVEWAYS LESS THAN 26 FEET WIDE. SIGNS SHALL BE POSTED ON ONE SIDE ONLY OF FIRE DEPARTMENT ACCESS ROADWAYS, PUBLIC OR PRIVATE ROADWAYS OR DRIVEWAYS BETWEEN 26 FEET WIDE AND 32 FEET WIDE. NO SIGNAGE IS REQUIRED FOR ACCESS ROADWAY FIRE DEPARTMENT ACCESS ROADWAYS, PUBLIC OR PRIVATE ROADWAYS OR DRIVEWAYS EXCEEDING 32 FEET WIDE.
- WHEN FIRE APPARATUS ACCESS ROADS OR A WATER SUPPLY FOR FIRE PROTECTION IS REQUIRED TO BE INSTALLED, SUCH PROTECTION SHALL BE INSTALLED AND MADE SERVICEABLE PRIOR TO COMBUSTIBLE MATERIALS BEING BROUGHT ONTO THE SITE AND THE BUILDING CONSTRUCTION GOING VERTICAL.
- TRACER WIRE SHALL BE INSTALLED ON ALL FIRE SERVICE LINES AND AT ALL FIRE HYDRANTS. REFER TO TOWN OF CASTLE ROCK STANDARD DETAILS, THE WATER LINE CONSTRUCTION NOTES, AND THE TRACER WIRE INSTALLATION NOTES LISTED HEREIN.

SIGNAGE AND STRIPING NOTES

- ALL SIGNAGE AND STRIPING IS SUBJECT TO THE GENERAL NOTES ON THE COVER SHEET OF THESE PLANS AS WELL AS THE SIGNAGE AND STRIPING NOTES LISTED HERE.
- ALL PAINT SHALL BE 15 MIL THICK UPON INSTALLATION AND 8 MIL THICK WHEN DRY.
- ALL PERMANENT LONGITUDINAL PAVEMENT STRIPING ON ASPHALT SURFACES (CENTERLINES, LANE LINES, BAY LINES, ETC.) SHALL BE INSTALLED USING AN APPROVED REFLECTIVE TRAFFIC PAINT OR PAVEMENT MARKING TAPE. REFLECTIVE BEADS SHALL BE APPLIED IN ACCORDANCE WITH CDOT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE MANUFACTURER'S REQUIREMENTS. WHEN TAPE IS USED ON AN ASPHALT STREET, IT SHALL BE "ROLLED" INTO THE FINAL LIFT. ON CONCRETE SURFACES TAPE SHALL BE UTILIZED WITH A CONTRASTING BLACK EDGE AND GROOVED INTO THE PAVEMENT.

STREET CONSTRUCTION NOTES

- ALL STREET CONSTRUCTION IS SUBJECT TO THE GENERAL NOTES ON THE COVER SHEET OF THESE PLANS AS WELL AS THE STREET CONSTRUCTION NOTES LISTED HERE.
- A PAVING SECTION DESIGN, SIGNED AND SEALED BY A COLORADO REGISTERED PROFESSIONAL ENGINEER, MUST BE SUBMITTED TO THE TCR PUBLIC WORKS DEPARTMENT FOR APPROVAL PRIOR TO ANY STREET CONSTRUCTION ACTIVITY (FULL-DEPTH ASPHALT SECTIONS ARE NOT PERMITTED AT A DEPTH GREATER THAN 8" ASPHALT). THE JOB MIX SHALL BE SUBMITTED FOR APPROVAL PRIOR TO PLACEMENT OF ANY ASPHALT.
- WHERE PROPOSED PAVING ADJOINS EXISTING ASPHALT, THE EXISTING ASPHALT SHALL BE SAW CUT A MINIMUM DISTANCE OF 12" FROM THE EXISTING EDGE TO CREATE A CLEAN CONSTRUCTION JOINT. THE DEVELOPER SHALL BE REQUIRED TO REMOVE EXISTING PAVEMENT TO A DISTANCE WHERE A CLEAN CONSTRUCTION JOINT CAN BE MADE.
- STREET SUBGRADES SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 12" AND RE-COMPACTED PRIOR TO SUB-BASE INSTALLATION. NO BASE MATERIAL SHALL BE LAID UNTIL THE SUBGRADE HAS BEEN INSPECTED AND APPROVED BY THE TCR CONSTRUCTION INSPECTOR.
- VALVE BOXES ARE TO BE BROUGHT UP TO GRADE AT THE TIME OF PAVEMENT PLACEMENT OR OVERLAY. VALVE BOX ADJUSTING RINGS ARE NOT ALLOWED.

UNAUTHORIZED CHANGES & USES

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

LANDSCAPING NOTES

- NON-IRRIGATED NATIVE SEED AREAS SHALL BE INSTALLED USING THE TOWN OF CASTLE ROCK GRADING EROSION AND SEDIMENT CONTROL MANUAL (GESC) STANDARD DETAIL #17.
- NO TURF AND/OR OVERHEAD IRRIGATION ON SLOPES 3:1.
- NO SLOPES GREATER THAN 3:1 ARE PERMITTED.
- TOP SOIL, IF DISTURBED SHALL BE STOCK PILED AND REUSED ON THE SITE.
- NO MORE THAN SIXTY PERCENT OF THE TOTAL COMMERCIAL LANDSCAPE AREA SHALL INCLUDE IRRIGATED TURF GRASS.
- NO INDIVIDUAL PLANT MAY HAVE SUPPLEMENTAL WATER DEMAND GREATER THAN 15" PER GROWING SEASON.

LIGHTING NOTES

- LIGHT LOSS FACTOR IS 1 (MUST BE SHOWN ON THE LUMINARY SUMMARY TABLE)
- LIST THE HOURS OF LIGHT OPERATION AND HOW THIS WILL BE ACHIEVED. CONTROL DESCRIPTIONS INCLUDING TYPE OF CONTROLS, THE LUMINARIES TO BE CONTROLLED BY EACH TYPE, AND CONTROL SCHEDULE, POST CURFEW CONTROL METHOD AND SCHEDULE MUST BE ADDRESSED IN THE PLAN.
- DESCRIBE THE OBJECTIVE OF EACH AREA OF THE SITE FOR LIGHTING (DESCRIBE HOW THIS WILL BE ACCOMPLISHED.)
- DESCRIBE THE MITIGATION EFFORTS FOR NEIGHBORING PROPERTIES (DESCRIBE HOW THIS WILL BE ACCOMPLISHED.)
- EXTERIOR LIGHTING FOR EGRESS TRAVEL (TO THE PUBLIC WAY OR EGRESS COURT) SHALL COMPLY WITH THE CURRENTLY ADOPTED BUILDING CODE.
- FORWARD THROW LUMINARIES: THE FOLLOWING LIGHTING TYPES ARE PROHIBITED: FORWARD THROW LUMINARIES (TYPE IV DISTRIBUTION), POLE-MOUNTED LIGHTS AIMED AT A BUILDING'S FAÇADE, AND UNSHIELDED WALL PACKS ARE PROHIBITED.

TRACER WIRE INSTALLATION NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH CURRENT TOWN OF CASTLE ROCK STANDARD NOTES, DETAILS AND SPECIFICATIONS.
- TRACER WIRE IS REQUIRED ON ALL UNDERGROUND PIPE. A MAINLINE TRACER WIRE MUST BE INSTALLED WITH ALL SERVICE LATERAL TRACER WIRES PROPERLY CONNECTED TO ENSURE FULL LOCATING CAPABILITIES FROM A SINGLE CONNECTION POINT.
- TRACER WIRE COLORS FOR STORM SEWER, DRAIN LINES, SANITARY SEWER, AND WATER MAINS SHALL BE IN ACCORDANCE WITH AMERICAN PUBLIC WORKS ASSOCIATION (APWA) UNIFORM COLOR CODE. ALL GROUNDING WIRE SHALL BE RED OR BLACK.
- "OPEN TRENCH" TRACER WIRE SHALL BE #8 OR #10 AWG COPPER SOLID OR #12 AWG COPPER CLAD HIGH STRENGTH WITH MINIMUM 30-MIL HDPE INSULATION THICKNESS COMPLYING WITH ASTM D-1248, AND A MINIMUM AVERAGE TENSILE BREAK LOAD OF 450 LBS.
- TRACER WIRE SHALL BE SECURED EVERY 5 FEET TO THE TOP OF THE PIPE AND TO THE SIDES OF MANHOLES AND INLETS USING TAPE, PLASTIC TIES, OR APPROVED ADHESIVE AT 5-FOOT INTERVALS.
- TRACER WIRE SHALL BE SECURELY BONDED TOGETHER AT ALL WIRE JOINTS WITH LOCKABLE, CORROSION PROOF, WATERTIGHT CONNECTORS SPECIFICALLY DESIGNED FOR DIRECT BURIAL, AND FILLED WITH NON-HARDENING DIELECTRIC SILICONE SEALANT.
- ANY DAMAGE OCCURRING DURING INSTALLATION OF THE TRACER WIRE MUST BE IMMEDIATELY REPAIRED BY REMOVING THE DAMAGED WIRE AND INSTALLING A NEW SECTION OF WIRE WITH APPROVED CONNECTORS. TAPING AND/OR SPRAY COATING IS NOT ALLOWED.
- A MINIMUM OF 2 FEET OF EXCESS/SLACK WIRE IS REQUIRED IN ALL TRACER WIRE TEST STATIONS, MANHOLES, AND INLETS AFTER MEETING FINAL ELEVATION.
- TRACER WIRE MUST BE PROPERLY GROUNDED AT ALL DEAD ENDS (MANHOLES, INLETS, OUTFALLS, FUTURE CONNECTIONS, ETC.) USING A MAGNESIUM GROUND ROD. THE GROUND ROD WILL BE CONNECTED TO 12- OR 14-AWG COPPER-CLAD STEEL WIRE WITH 30 MIL HDPE INSULATION AND RATED FOR DIRECT BURY USE AT 30 VOLTS WITH 21% CONDUCTIVITY.
- TEST STATIONS SHALL PROVIDE PROTECTED ACCESS FOR A DIRECT CONNECTION TO THE TRACER WIRE SYSTEM AT GROUND SURFACE.
- TRUNK LINE TRACER WIRE SHALL BE CONTINUOUS, AND PASS AROUND THE OUTSIDE OF VALVES AND OTHER STRUCTURES ON THE NORTH OR EAST SIDE.
- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS (EXCAVATION, CONCRETE, TRAFFIC CONTROL, ETC.) AND PROVIDE A MINIMUM TWENTY-FOUR (24) HOURS' NOTICE TO THE ON-SITE TCR CONSTRUCTION INSPECTOR, (720) 733-2200, TO REQUEST A TRACER WIRE INSPECTION.
- ALL NEW TRACER WIRE INSTALLATIONS SHALL BE TESTED AND LOCATED PRIOR TO ACCEPTANCE. TESTING AND LOCATING SHALL BE PERFORMED BY THE TCR CONSTRUCTION INSPECTOR AT THE COMPLETION OF ROUGH GRADING AND PRIOR TO FINAL ACCEPTANCE OF THE PROJECT. ANY DEFICIENCIES SHALL BE CORRECTED PRIOR TO FINAL ACCEPTANCE.

SANITARY SEWER CONSTRUCTION NOTES

- ALL SANITARY SEWER CONSTRUCTION IS SUBJECT TO THE GENERAL NOTES ON THE COVER SHEET OF THESE PLANS AS WELL AS THE SANITARY SEWER CONSTRUCTION NOTES LISTED HEREIN.
- ALL SANITARY SEWER PIPELINES SHALL BE PVC, SDR-35, IN ACCORDANCE WITH ASTM D-3034, BELL AND SPIGOT WITH ELASTOMERIC SEAL.
- ALL SANITARY SEWER PIPELINES SHALL HAVE A MINIMUM COVER OF 5 FEET AND MAXIMUM COVER OF 20 FEET.
- ALL SANITARY SEWER PIPELINES SHALL BE BEDDED IN ACCORDANCE WITH TCR STANDARD DETAIL SS-8.
- ALL MANHOLE RIM ELEVATIONS GIVEN ON THESE PLANS ARE CONSIDERED APPROXIMATE. THE CONTRACTOR SHALL SET THE FINAL RIM ELEVATION BASED ON THE COMPLETE FINISH SURFACE AND PER TCR STANDARD DETAIL SS-3.
- SANITARY SEWER PIPELINE SHALL BE ALIGNED 6 FEET OFF THE SOUTH AND WEST GUTTER FLOW LINES OF PUBLIC STREETS WHEREVER POSSIBLE.
- ALL SEWER LINES SHALL HAVE A MINIMUM HORIZONTAL SEPARATION OF 10 FEET EDGE-TO-EDGE FROM ALL WATER LINES. WHERE LINES CROSS, THERE SHALL BE A MINIMUM OF 18" CLEAR VERTICAL SEPARATION.
- ALL SANITARY SEWER LINES MUST BE TESTED IN ACCORDANCE WITH SECTION 450.6 OF THE TOWN OF CASTLE ROCK CONSTRUCTION METHODOLOGY AND MATERIALS MANUAL IN THE PRESENCE OF A TCR CONSTRUCTION INSPECTOR.
- ALL SANITARY SEWER LINE TRENCHES SHALL BE SLOPED OR BRACED AND SHEETED AS NECESSARY FOR THE SAFETY OF THE WORKERS AND THE PROTECTION OF OTHER UTILITIES, IN COMPLIANCE WITH ALL APPLICABLE STATE AND FEDERAL REQUIREMENTS. ALL EXCAVATION OPERATION SAFETY IS THE RESPONSIBILITY OF THE CONTRACTOR.
- SANITARY SEWER SERVICES SHALL BE CONNECTED A MINIMUM OF 5 FEET OUTSIDE OF MANHOLES WITH A WYE CONNECTION IN ACCORDANCE WITH TCR STANDARD DETAIL SS-2.
- MINIMUM COVER FOR SANITARY SEWER SERVICE LINES SHALL BE 5 FEET AND THE MINIMUM SLOPE SHALL BE 2.0%.
- ALL SANITARY SEWER SERVICE LINES SHALL BE CONSTRUCTED ALONG THE SHORTEST AND STRAIGHTEST ROUTE POSSIBLE IN CONFORMANCE WITH THE TOWN OF CASTLE ROCK WASTEWATER SYSTEM DESIGN CRITERIA MANUAL.
- THE MINIMUM HORIZONTAL SEPARATION BETWEEN UTILITY LINES CARRYING THE SAME MATERIAL (E.G., WASTEWATER AND WASTEWATER) SHALL BE 5 FEET.
- THE PLUM CREEK WASTEWATER AUTHORITY MUST APPROVE OIL AND GREASE INTERCEPTORS FOR COMMERCIAL INSTALLATIONS.
- ALL MANHOLES SHALL BE PLACED ON A MINIMUM OF 1' OF ¾" WASH ROCK. IF ADDITIONAL SUBGRADE IS DISTURBED, EXCAVATION SHALL BE BACKFILLED WITH ¾" WASH ROCK OR OTHER APPROVED STRUCTURAL SOIL COMPACTED TO 95% OF ASTM D698 UNLESS OTHERWISE INSTRUCTED BY THE INSPECTOR.

UTILITY NOTES

- THIS SITE IS LOCATED WITHIN THE TOWN OF CASTLE ROCK WATER GREEN WATER PRESSURE ZONE.
- ALL PROPOSED EASEMENTS MUST BE RECORDED PRIOR TO ISSUANCE OF CONSTRUCTION PERMITS.
- ALL UTILITY EASEMENTS FOR WATER AND WASTEWATER LINES SHALL BE FOR THE EXCLUSIVE USE OF THE TOWN SO THAT ACCESS AND MAINTENANCE MAY BE PERFORMED.
- THE MINIMUM SEPARATION BETWEEN WATERLINES, SANITARY SEWER AND STORM SEWER LINES IS 10 FEET.
- THE MINIMUM SEPARATION BETWEEN WATER SERVICE LINES IS 5 FEET.
- ANY TIE-IN, CROSSING OR LOWERING OF TOWN CRITICAL INFRASTRUCTURE WILL REQUIRE A TIME AND MATERIALS PERMIT (TMU) WITH FEES REQUIRED PRIOR TO CONSTRUCTION.

CAUTION:

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



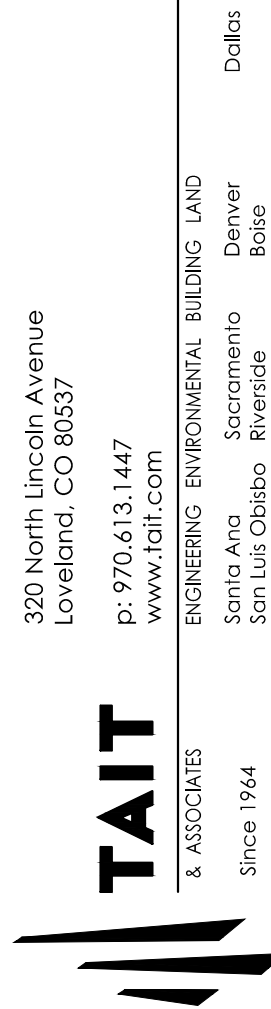
Know what's below
Call before you dig.

TOWN APPROVAL BLOCK	
TOWN OF CASTLE ROCK APPROVAL PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM DATE OF SUBMITTAL TO THE TOWN ENGINEER'S OFFICE APPROVED TOWN ENGINEER DATE	



(SIGNATURE AND SEAL HERE) DATE

PREPARED UNDER THE SUPERVISION OF TAIT & ASSOCIATES, INC.



PROJECT:
NEW O'REILLY AUTO PARTS STORE
N. RIDGE RD.
CASTLE ROCK, CO #2

GENERAL NOTES

O'Reilly AUTO PARTS

COMM # 4880
DATE: 01/31/25
REVISION
DATE: 05/08/25
06/27/25
08/22/25

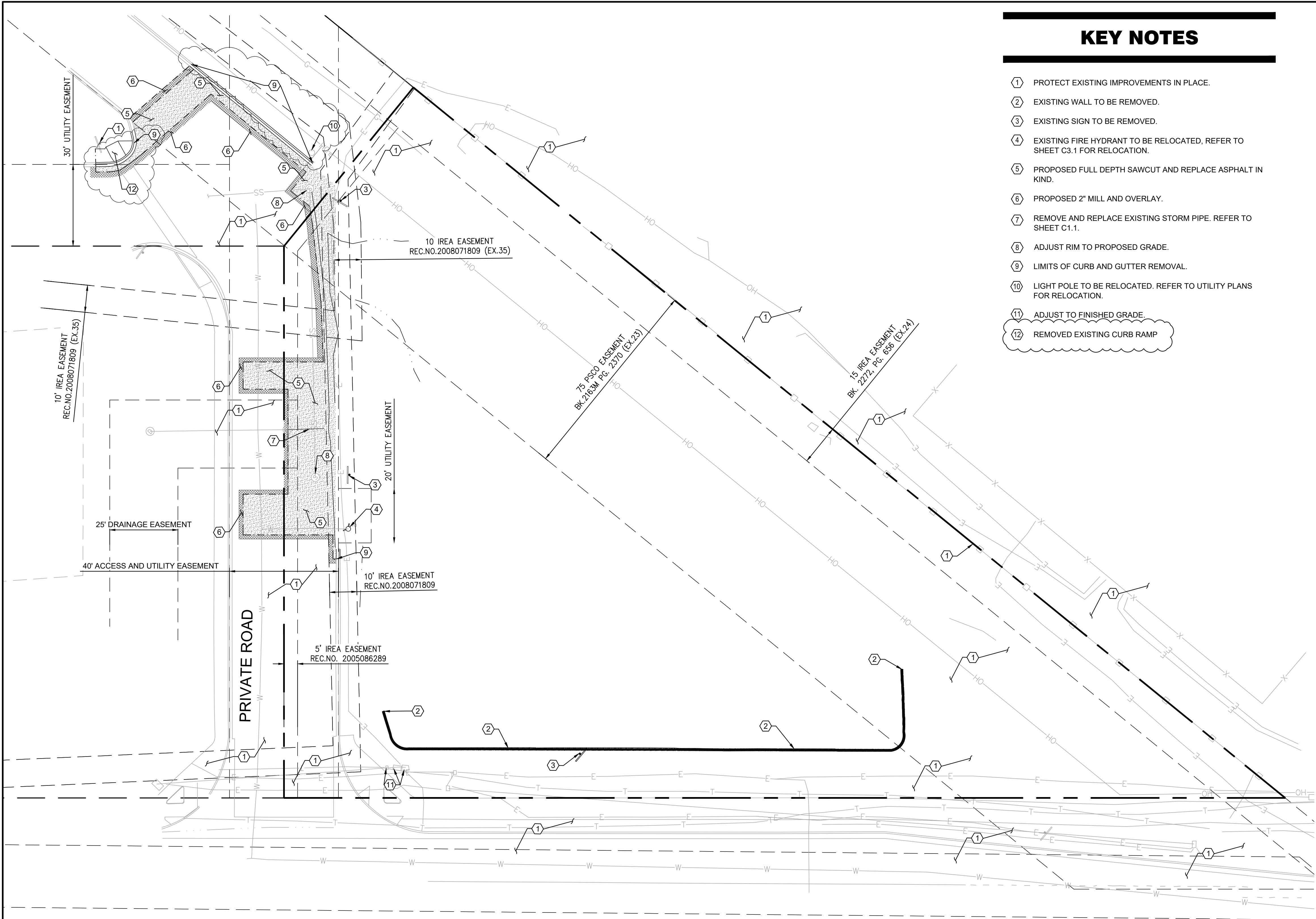
CT1.1
2 of 18

TIMOTHY M. GULLETT

ARCHITECT

1736 East Sunshine, Suite 417
Springfield, Missouri 65804

417.862.0558
Fax: 417.862.3265
e-mail: architect@cityofchicago.com



KEY NOTES

- PROTECT EXISTING IMPROVEMENTS IN PLACE.
- EXISTING WALL TO BE REMOVED.
- EXISTING SIGN TO BE REMOVED.
- EXISTING FIRE HYDRANT TO BE RELOCATED, REFER TO SHEET C3.1 FOR RELOCATION.
- REMOVE FULL DEPTH SAWCUT AND REPLACE ASPHALT IN KIND.
- PROPOSED 2" MILL AND OVERLAY.
- REMOVE AND REPLACE EXISTING STORM PIPE. REFER TO SHEET C1.1.
- ADJUST RIM TO PROPOSED GRADE.
- LIMITS OF CURB AND GUTTER REMOVAL.
- LIGHT POLE TO BE RELOCATED. REFER TO UTILITY PLANS FOR RELOCATION.
- ADJUST TO FINISHED GRADE.
- REMOVED EXISTING CURB RAMP

GENERAL NOTES

- REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- SITE CONDITIONS BASED UPON SURVEY PROVIDED BY OWNER. FIELD VERIFY EXISTING CONDITIONS BY DETAILED INSPECTION PRIOR TO SUBMITTING BID AND BEGINNING CONSTRUCTION. NOTIFY ARCHITECT IF EXISTING CONDITIONS DEVIATE SUBSTANTIALLY FROM THOSE INDICATED HEREIN.
- REMOVE ALL EXISTING SITE CONSTRUCTION AND DELETERIOUS MATERIALS UNLESS OTHERWISE NOTED.
- EXISTING CONSTRUCTION TO REMAIN TO BE PROTECTED AS REQUIRED. REPLACE AND/OR REPAIR EXISTING CONSTRUCTION DAMAGED DUE TO CONTRACTOR ACTIVITIES.
- ALL DEMOLITION MATERIALS SHALL BECOME PROPERTY OF CONTRACTOR FOR PROPER DISPOSAL UNLESS OTHERWISE NOTED.
- REFER TO SITE UTILITY PLAN FOR DEMOLITION OF EXISTING UTILITIES.
- EXISTING UNDERGROUND INSTALLATION SUCH AS WATER MAINS, GAS MAINS, SEWERS, TELEPHONE LINES, POWER LINES, AND BURIED STRUCTURES IN THE VICINITY OF THE WORK ARE INDICATED ON THE DRAWINGS ONLY TO THE EXTENT SUCH INFORMATION HAS BEEN MADE AVAILABLE. THERE IS NO GUARANTEE AS TO THE ACCURACY OR COMPLETENESS OF SUCH INFORMATION AND ALL RESPONSIBILITY FOR THE ACCURACY AND COMPLETENESS IS EXPRESSLY DISCLAIMED. GENERALLY SERVICE CONNECTIONS ARE NOT INDICATED ON THE DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR DISCOVERY OF EXISTING UNDERGROUND INSTALLATIONS IN ADVANCE OF EXCAVATING OR TRENCHING BY CONTRACTING LOCAL UTILITIES.
- EXISTING VALVE BOXES, MANHOLE RIMS, DRAINAGE STRUCTURES, UTILITY ACCESS STRUCTURES, VAULT LIDS, ETC., SHALL BE BROUGHT TO THE FINISHED SURFACE AT THE TIME OF GRADING OR PAVEMENT PLACEMENT IN ACCORDANCE WITH TOWN STANDARD DETAILS.

SYMBOLS LEGEND

NOTE: REFER TO SURVEY FOR EXISTING CONDITIONS SYMBOLS LEGEND.

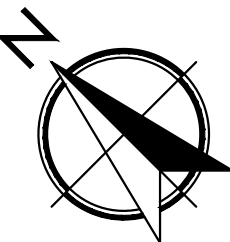
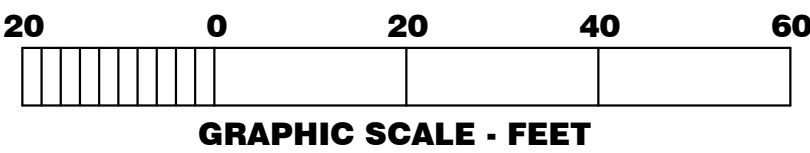
---	EXISTING CONDITIONS TO REMAIN.
---	EXISTING CONDITIONS TO BE REMOVED.
---	PROPERTY LINE
---	EXISTING/PROPOSED EASEMENT
---	EXISTING GAS LINE
---	EXISTING WATER LINE
---	EXISTING SEWER LINE
---	EXISTING OVERHEAD ELECTRIC LINE
---	EXISTING TELEPHONE SERVICE LINE
---	EXISTING ELECTRIC LINE
---	LIMITS OF DISTURBANCE
---	EXISTING FIRE HYDRANT
---	PROPOSED SAWCUT
---	PROPOSED MILL AND OVERLY

ENVIROMENTAL GENERAL NOTES

- AN ENVIRONMENTAL ANALYSIS HAS BEEN PERFORMED ON THE EXISTING SITE. REFER TO PROJECT MANUAL.
- IF THIS PROJECT CONTAINS HAZARDOUS MATERIALS, CONTRACTOR TO PROVIDE WORK REQUIRED FOR PROPER REMOVAL, HANDLING, AND DISPOSAL PER ENVIRONMENTAL ANALYSIS RECOMMENDATIONS.

1 SITE DEMOLITION PLAN

D1.1 SCALE: 1" = 20'-0"



UNAUTHORIZED CHANGES & USES

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

NOTE TO CONTRACTOR

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

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



TOWN APPROVAL BLOCK	
TOWN OF CASTLE ROCK APPROVAL	
PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM	
DATE OF SUBMITTAL TO THE TOWN ENGINEER	
APPROVED	
DATE	DATE
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.



(SIGNATURE AND SEAL HERE) DATE

PREPARED UNDER THE SUPERVISION OF TAIT & ASSOCIATES, INC.



320 North Lincoln Avenue
Loveland, CO 80537
P: 970.613.1447
WWW.TAIT.COM
ENGINEERING ENVIRONMENTAL BUILDING LAND
& ASSOCIATES
San Antonio Sacramento
San Luis Obispo Riverside
Dallas
Since 1944

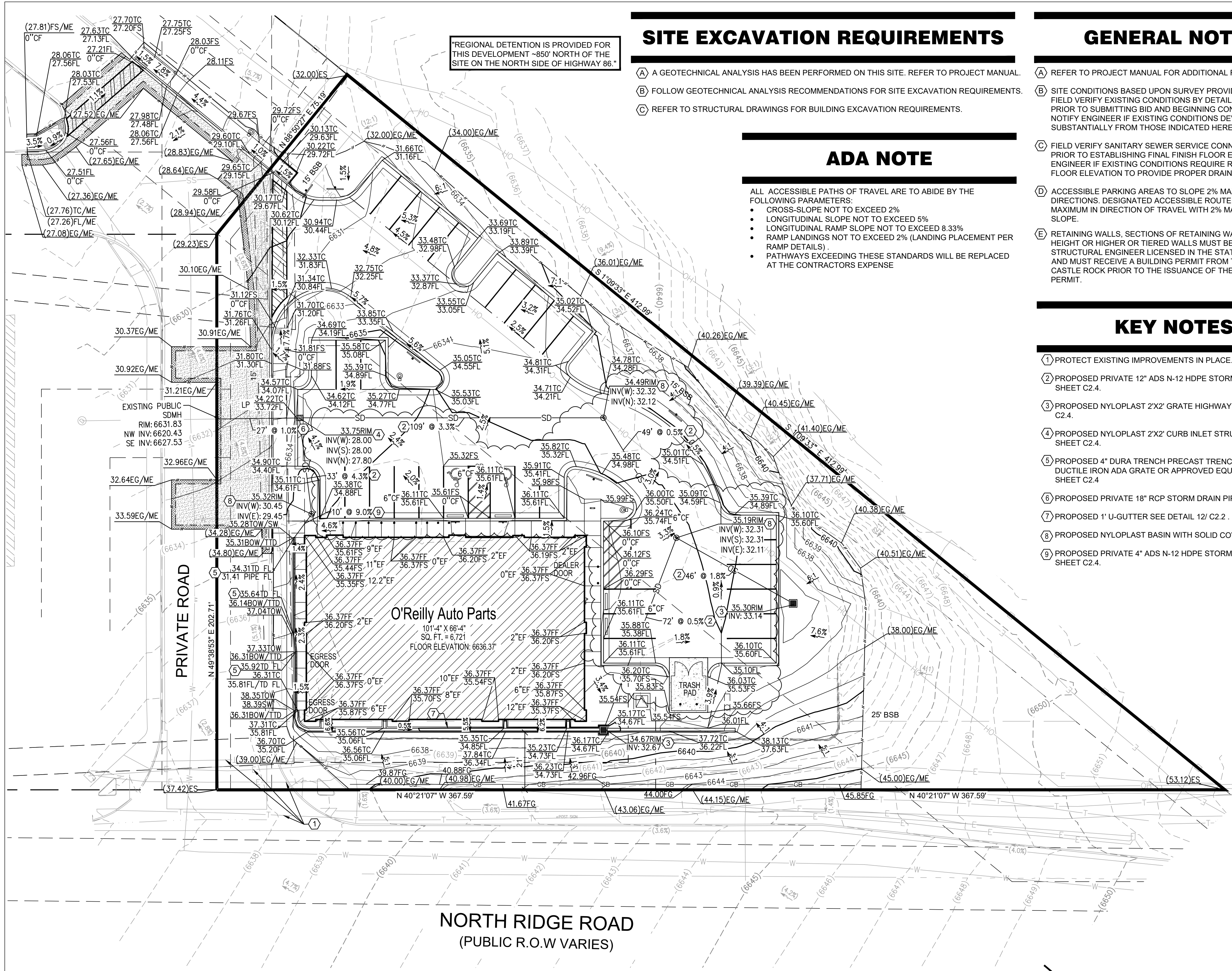
PROJECT:
NEW O'REILLY AUTO PARTS STORE
N. RIDGE RD.
CASTLE ROCK, CO #2
SITE DEMOLITION PLAN

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

COMM # 4880
DATE: 01/31/25
REVISION
DATE: 05/08/25
06/27/25
08/22/25

D1.1

3 of 18



1 SITE GRADING PLAN

C1.1 SCALE: 1" = 20'-0"

ABBREVIATIONS

BUILDING SETBACK	BSB
BACK OF WALK	BW
CURB CUT	CC
CURB FACE	CF
EXPOSED FOUNDATION	EG
EXISTING GROUND	ES
EXISTING SURFACE	ES
FINISHED FLOOR ELEVATION	FF/FFE
FLOW LINE	FL
FINISHED SURFACE	FS
GRADE BREAK	GB
PROPERTY LINE	PL
TOP OF CURB	TC
MATCH EXISTING	ME
SIDEWALK	SW
HIGH POINT	HP
TRENCH DRAIN	TD
TOP OF TRENCH DRAIN	TTD

UNAUTHORIZED CHANGES & USES

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

NOTE TO CONTRACTOR

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

SITE EXCAVATION REQUIREMENTS

- A GEOTECHNICAL ANALYSIS HAS BEEN PERFORMED ON THIS SITE. REFER TO PROJECT MANUAL.
- FOLLOW GEOTECHNICAL ANALYSIS RECOMMENDATIONS FOR SITE EXCAVATION REQUIREMENTS.
- REFER TO STRUCTURAL DRAWINGS FOR BUILDING EXCAVATION REQUIREMENTS.

ADA NOTE

- ALL ACCESSIBLE PATHS OF TRAVEL ARE TO ABIDE BY THE FOLLOWING PARAMETERS:
- CROSS-SLOPE NOT TO EXCEED 2%
 - LONGITUDINAL SLOPE NOT TO EXCEED 5%
 - LONGITUDINAL RAMP SLOPE NOT TO EXCEED 8.33%
 - RAMP LANDINGS NOT TO EXCEED 2% (LANDING PLACEMENT PER RAMP DETAILS)
 - PATHWAYS EXCEEDING THESE STANDARDS WILL BE REPLACED AT THE CONTRACTORS EXPENSE

GENERAL NOTES

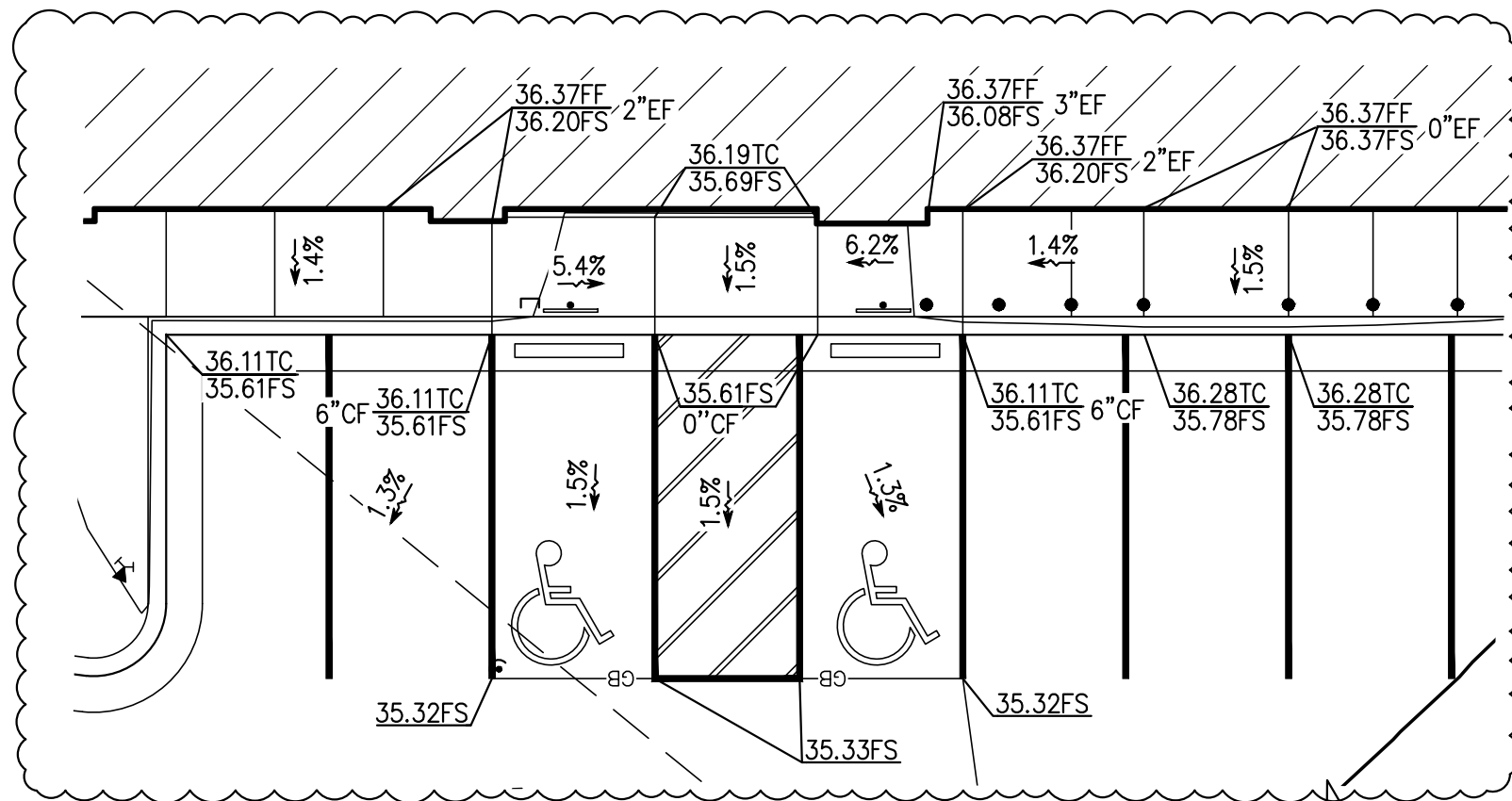
- REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- SITE CONDITIONS BASED UPON SURVEY PROVIDED BY OWNER. FIELD VERIFY EXISTING CONDITIONS BY DETAILED INSPECTION PRIOR TO SUBMITTING BID AND BEGINNING CONSTRUCTION. NOTIFY ENGINEER IF EXISTING CONDITIONS DEVIATE SUBSTANTIALLY FROM THOSE INDICATED HEREIN.
- FIELD VERIFY SANITARY SEWER SERVICE CONNECTION INVERT PRIOR TO ESTABLISHING FINAL FINISH FLOOR ELEVATION. NOTIFY ENGINEER IF EXISTING CONDITIONS REQUIRE REVISED FINISH FLOOR ELEVATION TO PROVIDE PROPER DRAINAGE.
- ACCESSIBLE PARKING AREAS TO SLOPE 2% MAXIMUM IN ALL DIRECTIONS. DESIGNATED ACCESSIBLE ROUTE TO SLOPE 5% MAXIMUM IN DIRECTION OF TRAVEL WITH 2% MAXIMUM CROSS SLOPE.
- RETAINING WALLS. SECTIONS OF RETAINING WALLS 4-FEET IN HEIGHT OR HIGHER OR TIERED WALLS MUST BE DESIGNED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF COLORADO AND MUST RECEIVE A BUILDING PERMIT FROM THE TOWN OF CASTLE ROCK PRIOR TO THE ISSUANCE OF THE PUBLIC WORKS PERMIT.

KEY NOTES

- PROTECT EXISTING IMPROVEMENTS IN PLACE.
- PROPOSED PRIVATE 12" ADS N-12 HDPE STORM DRAIN PIPE. SEE SHEET C2.4.
- PROPOSED NYLOPLAST 2'X2' GRATE HIGHWAY INLET SEE SHEET C2.4.
- PROPOSED NYLOPLAST 2'X2' CURB INLET STRUCTURE SEE SHEET C2.4.
- PROPOSED 4" DURA TRENCH PRECAST TRENCH DRAIN, WITH 5" DUCTILE IRON ADA GRATE OR APPROVED EQUAL. SEE DETAIL SHEET C2.4.
- PROPOSED PRIVATE 18" RCP STORM DRAIN PIPE.
- PROPOSED 1" U-GUTTER SEE DETAIL 12' C2.2.
- PROPOSED NYLOPLAST BASIN WITH SOLID COVER.
- PROPOSED PRIVATE 4" ADS N-12 HDPE STORM DRAIN PIPE. SEE SHEET C2.4.

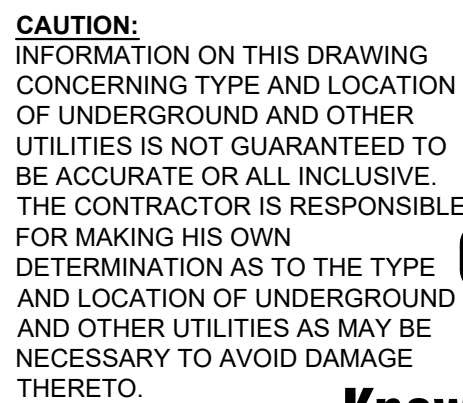
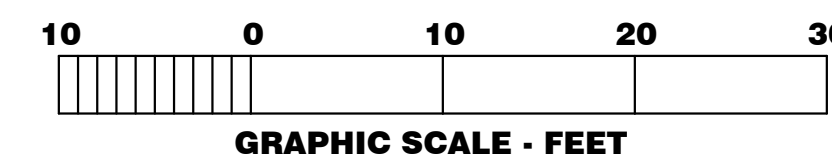
SYMBOLS LEGEND

	AREA OF LIGHT DUTY CONCRETE
	NEW BUILDING CONSTRUCTION
	AREA OF CONCRETE
	PROPERTY LINE
	ADJACENT PROPERTY/ ROW LINE
	BUILDING SETBACK LINE
	PROPOSED EASEMENT
	EXISTING GAS LINE
	EXISTING WATER LINE
	EXISTING SEWER LINE
	EXISTING OVERHEAD ELECTRIC LINE
	EXISTING TELEPHONE SERVICE LINE
	EXISTING ELECTRIC LINE
	PROPOSED WATER SERVICE LINE
	PROPOSED FIREWATER LINE
	PROPOSED SS SERVICE LINE
	PROPOSED STORM DRAIN
	PROPOSED RIDGELINE
	PROPOSED GRADE BREAK
	LIMITS OF DISTURBANCE
	PROPOSED WALL
	PROPOSED SITE SIGN
	PROPOSED SIGN
	PROPOSED TRANSFORMER
	PROPOSED BOLLARD
	PROPOSED WATER METER
	PROPOSED SS CLEANOUT
	PROPOSED BACKFLOW PREVENTOR
	EXISTING FIRE HYDRANT
	PROPOSED LIGHT POLE
	EXISTING ELEVATION
	PROPOSED ELEVATION
	EXISTING CONTOUR
	PROPOSED CONTOUR
	EXISTING SLOPE
	PROPOSED SLOPE
	EXISTING MANHOLE
	EXISTING INLET
	PROPOSED INLET
	PROPOSED RIPRAP
	PROPOSED SAWCUT
	MILL AND OVERLAY



2 ADA GRADING DETAIL

C1.1 SCALE: 1" = 10'-0"



TOWN APPROVAL BLOCK

TOWN OF CASTLE ROCK APPROVAL

PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM DATE OF SUBMITTAL FOR CONSTRUCTION.

APPROVED

DATE

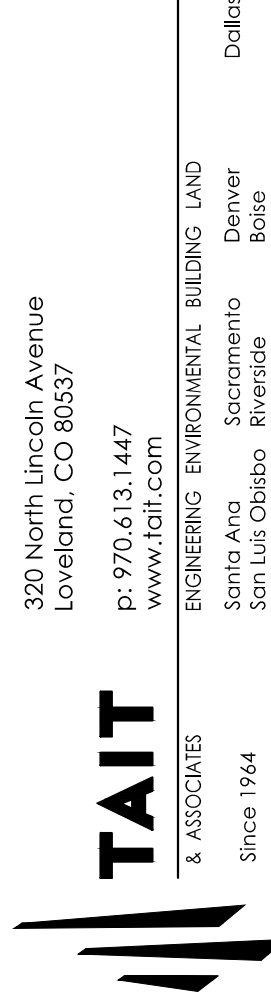
PROFESSIONAL ENGINEER CERTIFICATION

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.



(SIGNATURE AND SEAL HERE) DATE

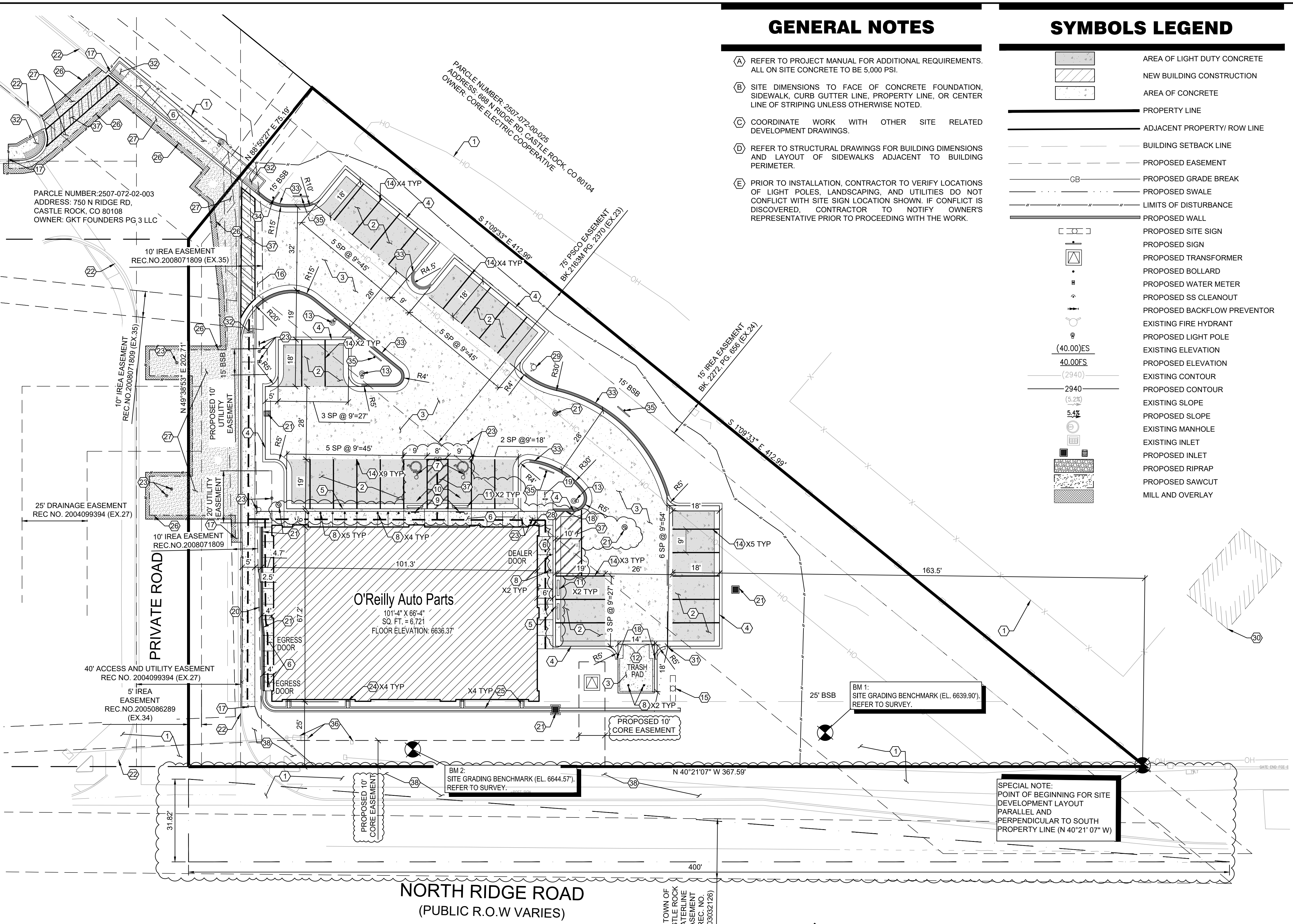
PREPARED UNDER THE SUPERVISION OF TAIT & ASSOCIATES, INC.



PROJECT: NEW O'REILLY AUTO PARTS STORE
N. RIDGE RD.
CASTLE ROCK, CO #2
SITE GRADING PLAN

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

TIMOTHY M. GULLOT
ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
e-mail: architect@cmrjstschneider.com
417.862.0558
Fax: 417.862.3265



1 SITE DEVELOPMENT PLAN
C2.1 SCALE: 1" = 20'-0"

ZONING CODE	
SUBJECT PROPERTY ZONING	
CLASSIFICATION:	INTEGRATED BUSINESS (IB)
PROPERTY AREA:	52,783 SQ. FT. (1.212 ACRES)
PAVEMENT AREA:	15,510 SQ. FT.
LAND USE:	AUTO REPAIR
PARKING SUMMARY	
PARKING FORMULA:	3 SP. PER 1000 SQ. FT. GFA
SPACE SIZE:	9' x 20'
SPACES REQUIRED:	27
SPACES PROVIDED:	31
H.C. SPACES PROVIDED:	2

UNAUTHORIZED CHANGES & USES

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

NOTE TO CONTRACTOR

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

GENERAL NOTES

- (A) REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS. ALL ON SITE CONCRETE TO BE 5,000 PSI.
- (B) SITE DIMENSIONS TO FACE OF CONCRETE FOUNDATION, SIDEWALK, CURB GUTTER LINE, PROPERTY LINE, OR CENTER LINE OF STRIPING UNLESS OTHERWISE NOTED.
- (C) COORDINATE WORK WITH OTHER SITE RELATED DEVELOPMENT DRAWINGS.
- (D) REFER TO STRUCTURAL DRAWINGS FOR BUILDING DIMENSIONS AND LAYOUT OF SIDEWALKS ADJACENT TO BUILDING PERIMETER.
- (E) PRIOR TO INSTALLATION, CONTRACTOR TO VERIFY LOCATIONS OF LIGHT POLES, LANDSCAPING, AND UTILITIES DO NOT CONFLICT WITH SITE SIGN LOCATION SHOWN. IF CONFLICT IS DISCOVERED, CONTRACTOR TO NOTIFY OWNER'S REPRESENTATIVE PRIOR TO PROCEEDING WITH THE WORK.

SYMBOLS LEGEND

	AREA OF LIGHT DUTY CONCRETE
	NEW BUILDING CONSTRUCTION
	AREA OF CONCRETE
	PROPERTY LINE
	ADJACENT PROPERTY/ ROW LINE
	BUILDING SETBACK LINE
	PROPOSED EASEMENT
	PROPOSED GRADE BREAK
	PROPOSED SWALE
	LIMITS OF DISTURBANCE
	PROPOSED WALL
	PROPOSED SITE SIGN
	PROPOSED SIGN
	PROPOSED TRANSFORMER
	PROPOSED BOLLARD
	PROPOSED WATER METER
	PROPOSED SS CLEANOUT
	PROPOSED BACKFLOW PREVENTOR
	EXISTING FIRE HYDRANT
	PROPOSED LIGHT POLE
	EXISTING ELEVATION
	PROPOSED ELEVATION
	EXISTING CONTOUR
	PROPOSED CONTOUR
	EXISTING SLOPE
	PROPOSED SLOPE
	EXISTING MANHOLE
	EXISTING INLET
	PROPOSED INLET
	PROPOSED RIPRAP
	PROPOSED SAWCUT
	MILL AND OVERLAY

KEY NOTES

- (1) PROTECT EXISTING IMPROVEMENTS IN PLACE.
- (2) CONCRETE PAVING (STANDARD DUTY) AT PARKING AREAS. REFER TO DETAIL 1/C2.2.
- (3) CONCRETE PAVING (HEAVY DUTY) AT DRIVE AREAS, DRIVE APRONS, FIRE LANES, AND REFUSE AREA. REFER TO DETAIL 2/C2.2.
- (4) CONCRETE CURB. REFER TO DETAIL 3/C2.2.
- (5) CONCRETE SIDEWALK CURB, REFER TO DETAIL 4/C2.2. REFER TO STRUCTURAL DRAWINGS FOR LAYOUT OF CONTROL AND EXPANSION JOINTS ADJACENT TO BUILDING PERIMETER.
- (6) CONCRETE SIDEWALK OR DOOR LANDING, REFER TO DETAIL 5/C2.2. REFER TO STRUCTURAL DRAWINGS FOR LAYOUT ADJACENT TO BUILDING PERIMETER.
- (7) ACCESSIBLE PARKING SYMBOL PAVEMENT STRIPING. REFER TO DETAIL 6/C2.2.
- (8) STEEL BOLLARD, REFER TO DETAIL 7/C2.2. PROVIDE (2) AT REFUSE CONTAINER AREA, (2) AT SECTIONAL OVERHEAD FREIGHT DOOR AND PROVIDE (9) AT FRONT ENTRY. REFER TO STRUCTURAL DRAWINGS FOR BOLLARDS ADJACENT TO BUILDING PERIMETER.
- (9) ACCESSIBLE PARKING SIGN. REFER TO DETAIL 8/C2.2.
- (10) ACCESSIBLE PARKING SPACE WITH ACCESS AISLE (ADA COMPLIANT) TO SLOPE 2% MAXIMUM IN ALL DIRECTIONS. PROVIDE PAVEMENT MARKINGS TO MATCH STRIPING COLOR UNLESS OTHERWISE REQUIRED TO COMPLY WITH GOVERNING ACCESSIBILITY REGULATIONS.
- (11) CONCRETE BUMPER BLOCK (8" W X 5" H X 6'-0" L) ANCHORED TO PAVING WITH (2) 1'-6" LONG #4 REBAR.
- (12) REFUSE ENCLOSURE.
- (13) PARKING LOT LIGHTING. REFER TO UTILITY SITE PLAN FOR TYPE AND CONSTRUCTION.
- (14) 4" WIDE PAVEMENT STRIPING AS SHOWN USING HIGHWAY MARKING PAINT - YELLOW (2 COATS).
- (15) SITE SIGN. REFER TO SHEET SG.1.1 FOR CONSTRUCTION TYPE AND LOCATION. SIGN IS OWNER FURNISHED AND INSTALLED. REFER TO UTILITY SITE PLAN FOR ADDITIONAL REQUIREMENTS.
- (16) CONCRETE DRIVE APRON TO BE INSTALLED. REFER TO CONCRETE CONSTRUCTION PER DETAIL 2/C2.2.
- (17) LIMITS OF NEW PAVING. MATCH EXISTING PAVEMENT TRANSITION ELEVATIONS. AT TRANSITIONS OF NEW CONCRETE TO EXISTING CONCRETE PAVEMENT EPOXY DOWEL 6" MINIMUM INTO EXISTING WITH #4 X 1'-6" SMOOTH DOWELS MATCHING NEW PAVEMENT REINFORCEMENT SPACING. PROVIDE SEALANT AT JOINTS.
- (18) ROLL DOWN CURB END TRANSITION SLOPING 1:2.
- (19) INVERTED U-STYLE BICYCLE RACKS PER TOWN OF CASTLE ROCK REQUIREMENTS. REFER TO DETAIL 9/C2.2.
- (20) PROPOSED WALL. SEE SHEET C1.1.
- (21) PROPOSED STORM INFRASTRUCTURE. REFER TO SHEET C1.1 FOR ADDITIONAL INFORMATION.
- (22) EXISTING CURB AND GUTTER TO BE PROTECTED IN PLACE.
- (23) REFER TO SHEET C3.1 FOR PROPOSED UTILITY DESIGN.
- (24) PROPOSED DOWNSPOUT. REFER TO UTILITY SITE PLAN FOR ADDITIONAL REQUIREMENTS.
- (25) PROPOSED 1" U-GUTTER. SEE SHEET 10/C2.2.
- (26) PROPOSED SAWCUT LINE.
- (27) REMOVE AND REPLACE AC PAVEMENT TO MATCH EXISTING.
- (28) PROPOSED FIRE RISER ROOM. REFER TO BUILDING ELEVATION PLAN FOR ADDITIONAL INFORMATION.
- (29) PROPOSED FIRE DEPARTMENT CONNECTION (FDC) LOCATION.
- (30) EXISTING BUILDING TO REMAIN.
- (31) PROPOSED 2" CURB CUT. REFER TO DETAIL 11/C2.2.
- (32) PROPOSED RAMP PER CDOT STANDARD DETAILS M-608-1.
- (33) PROPOSED FIRE LANE STRIPING.
- (34) PROPOSED STOP SIGN.
- (35) PROPOSED FIRE LANE SIGN.
- (36) ADJUST TO THE FINISHED GRADE.
- (37) PROVIDE STRIPING AS SHOWN HEREON

811
Know what's below
Call before you dig.

TOWN APPROVAL BLOCK

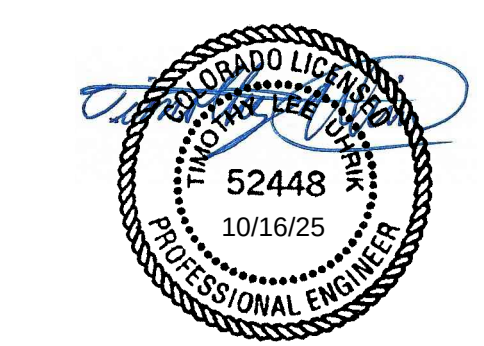
TOWN OF CASTLE ROCK APPROVAL

PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM DATE OF TOWN APPROVAL

DATE: 10/16/25

APPROVED

DATE: 10/16/25



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.

DATE: 01/31/25

REVISION

DATE: 05/08/25

06/27/25

08/22/25

10/17/25

COMM # 4880

DATE: 01/31/25

REVISION

DATE: 05/08/25

06/27/25

08/22/25

10/17/25

(SIGNATURE AND SEAL HERE) DATE

PREPARED UNDER THE SUPERVISION OF TAIT & ASSOCIATES, INC.

TAIT & ASSOCIATES

320 North Lincoln Avenue
Loveland, CO 80537
P: 970.613.1447
WWW.TAIT.COM

ENGINEERING ENVIRONMENTAL BUILDING LAND
San Antonio Sacramento Denver Boise
San Luis Obispo Riverside

Since 1944

TIMOTHY M. GULLOT
ARCHITECT

1736 East Sunshine, Suite 417
Springfield, Missouri 65804

417.862.0558
Fax: 417.862.3265
e-mail: architect@timothygullot.com

PROJECT:
NEW O'REILLY AUTO PARTS STORE
N. RIDGE RD.
CASTLE ROCK, CO #2
SITE DEVELOPMENT PLAN

O'Reilly AUTO PARTS

CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

COMM # 4880

DATE: 01/31/25

REVISION

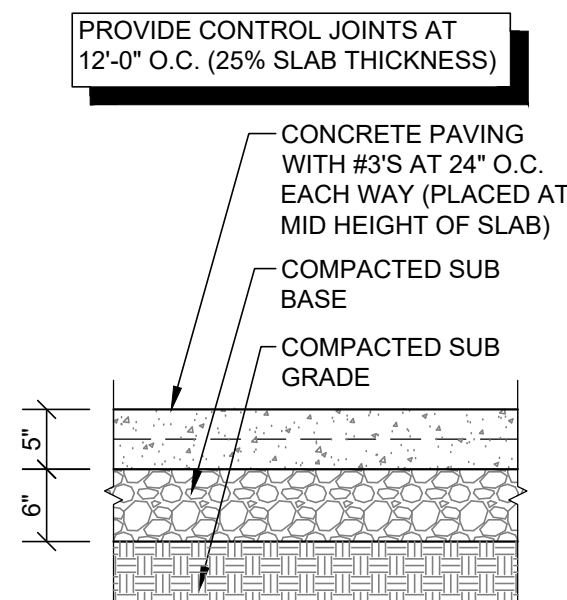
DATE: 05/08/25

06/27/25

08/22/25

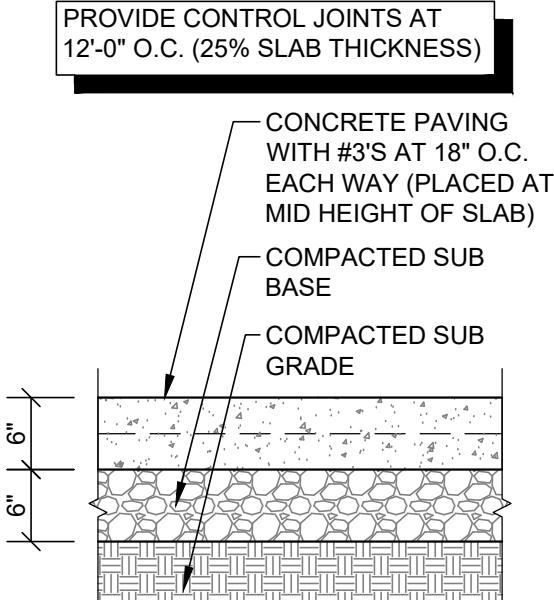
10/17/25

C2.1
5 of 18



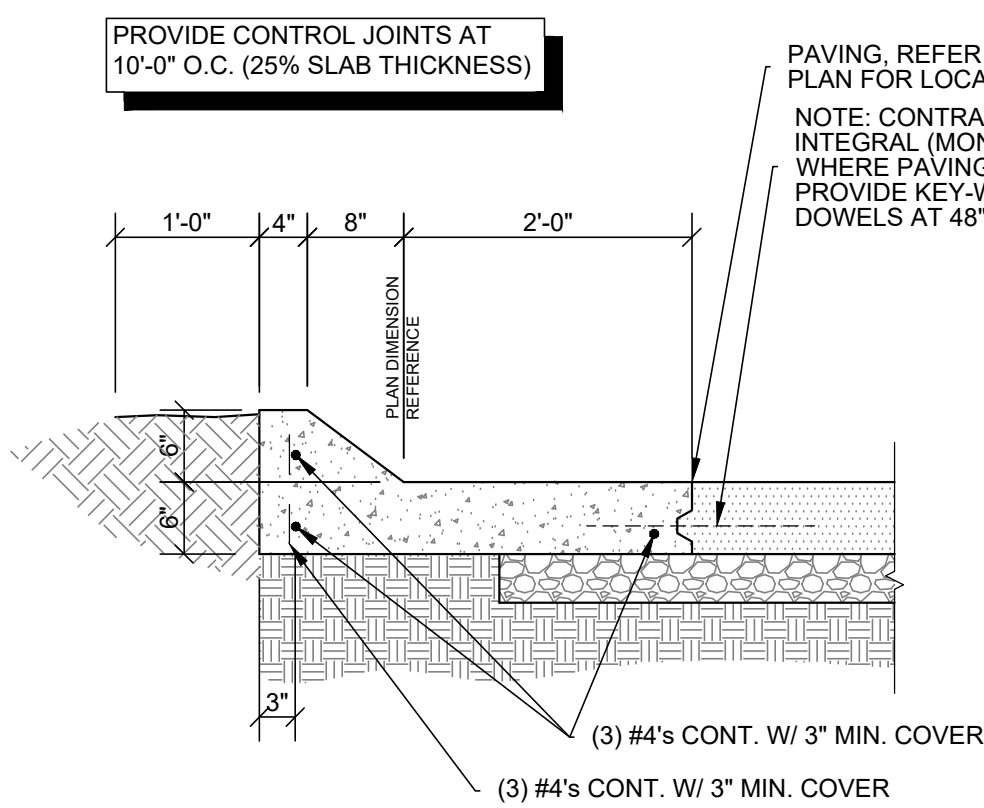
**PAVEMENT DESIGN IS BASED ON GEOTECHNICAL REPORT FROM GRANITE ENGINEERING GROUP, INC. PROVIDED BY THE OWNER DATED 10/18/2024. CONTRACTOR IS RESPONSIBLE TO FULLY READ AND FOLLOW THE RECOMMENDATIONS OF THE PROJECT GEOTECHNICAL REPORT.

1 CONCRETE (STANDARD DUTY) PAVING SECTION
C2.2 SCALE: 3/4" = 1'-0"

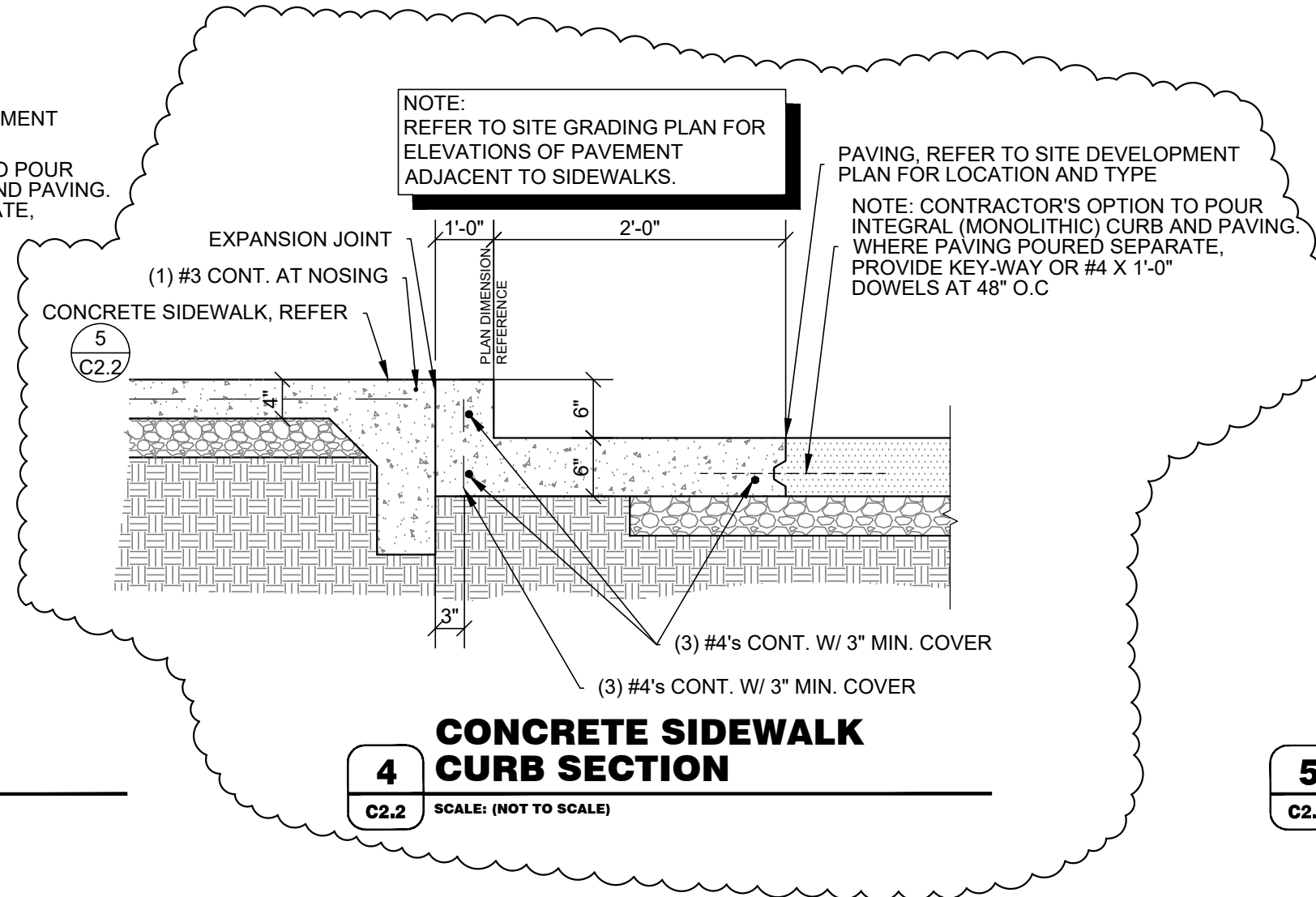


**PAVEMENT DESIGN IS BASED ON GEOTECHNICAL REPORT FROM GRANITE ENGINEERING GROUP, INC. PROVIDED BY THE OWNER DATED 10/18/2024. CONTRACTOR IS RESPONSIBLE TO FULLY READ AND FOLLOW THE RECOMMENDATIONS OF THE PROJECT GEOTECHNICAL REPORT.

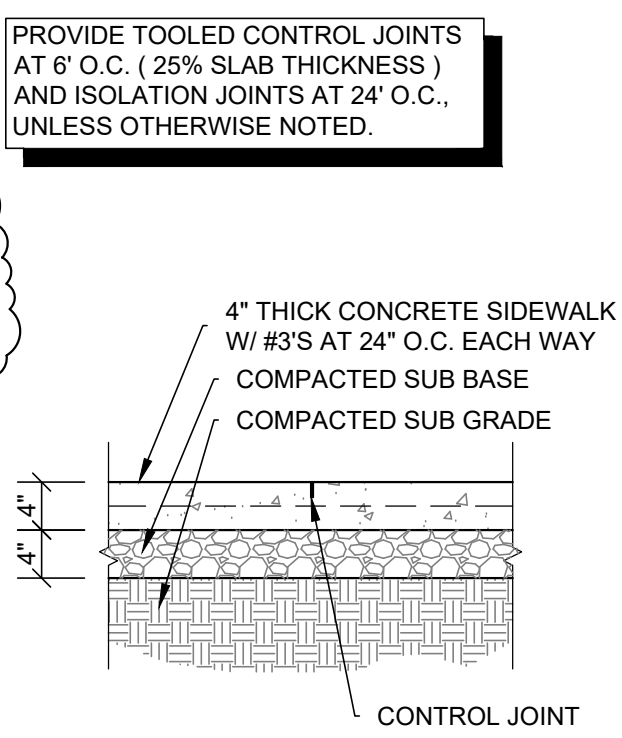
2 CONCRETE (HEAVY DUTY) PAVING SECTION
C2.2 SCALE: 3/4" = 1'-0"



3 CONCRETE CURB SECTION
C2.2 SCALE: 3/4" = 1'-0"

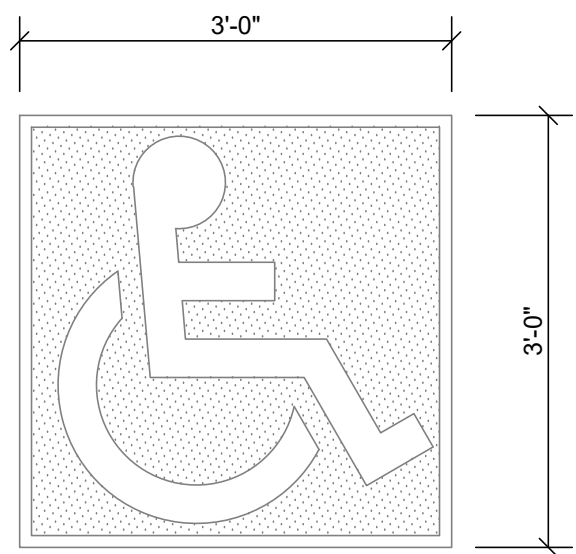


4 CONCRETE SIDEWALK CURB SECTION
C2.2 SCALE: (NOT TO SCALE)

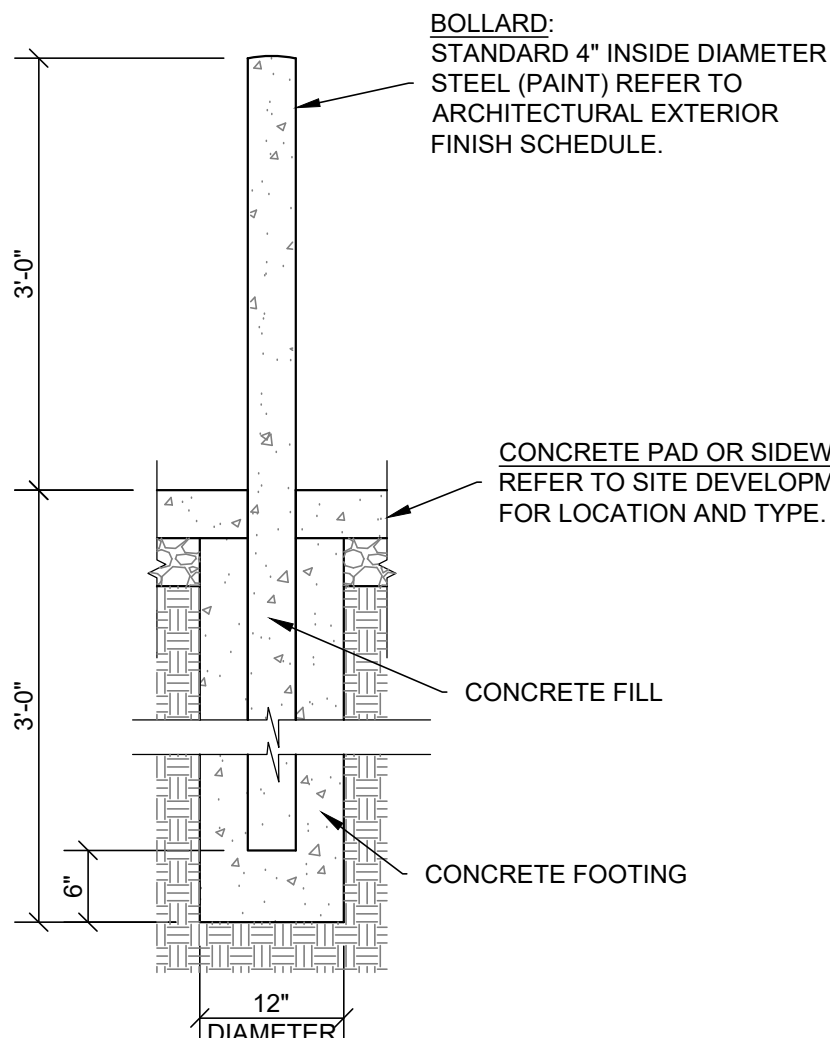


5 CONCRETE SIDEWALK SECTION
C2.2 SCALE: 3/4" = 1'-0"

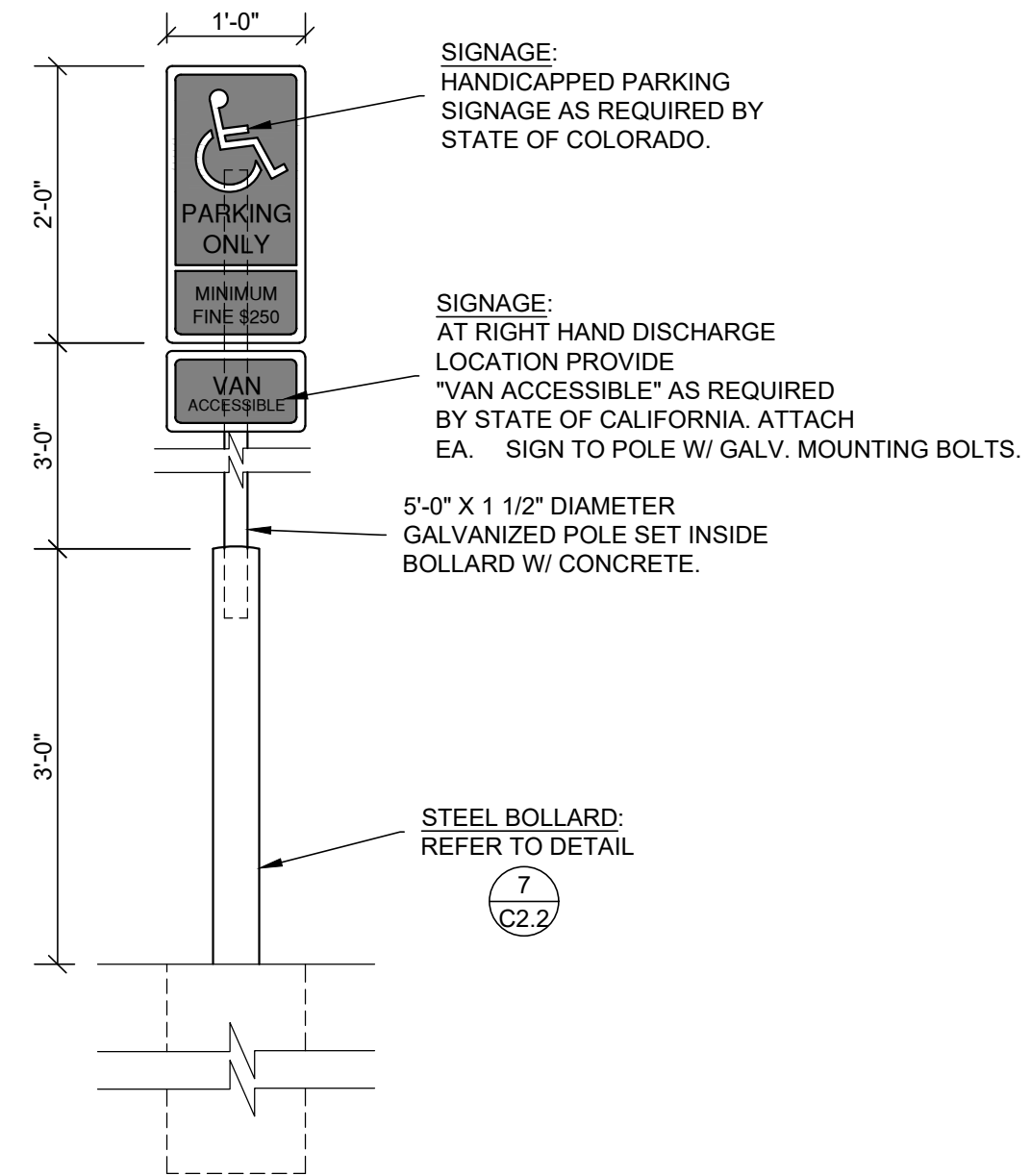
WHITE SYMBOL OF ACCESSIBILITY TO BE 36" HIGH BY 36" WIDE ON A BLUE BACKGROUND. (USE HIGHWAY GRADE MARKING PAINT)



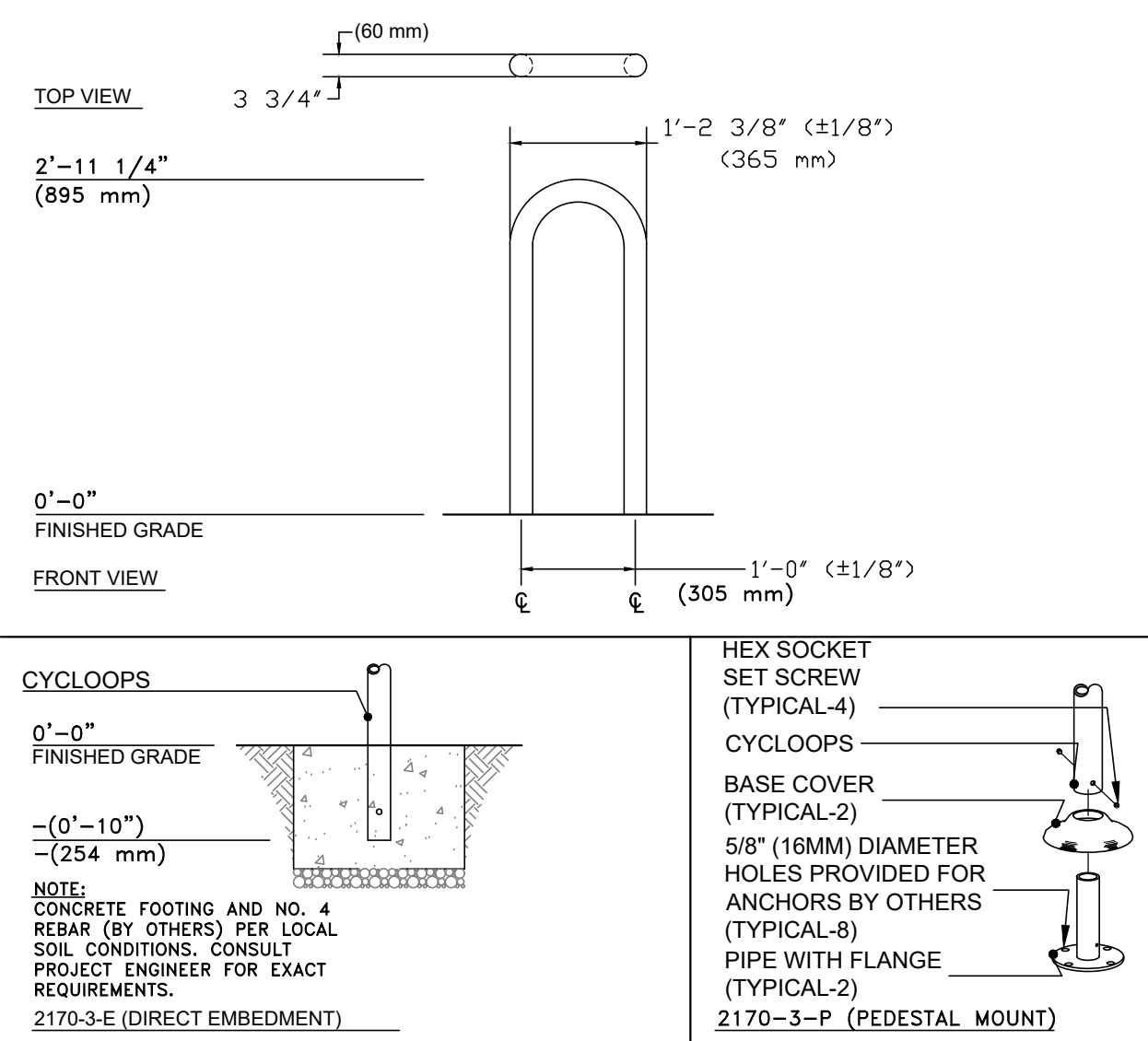
6 ACCESSIBLE PARKING PAVEMENT STRIPING DETAIL
C2.2 SCALE: 3/4" = 1'-0"



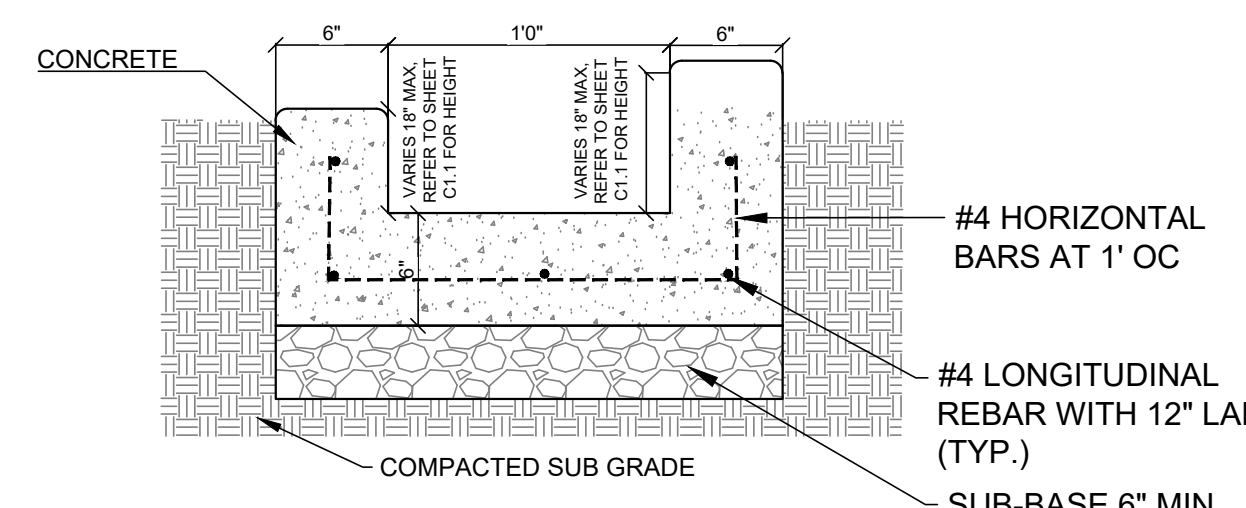
7 STEEL BOLLARD SECTION
C2.2 SCALE: 3/4" = 1'-0"



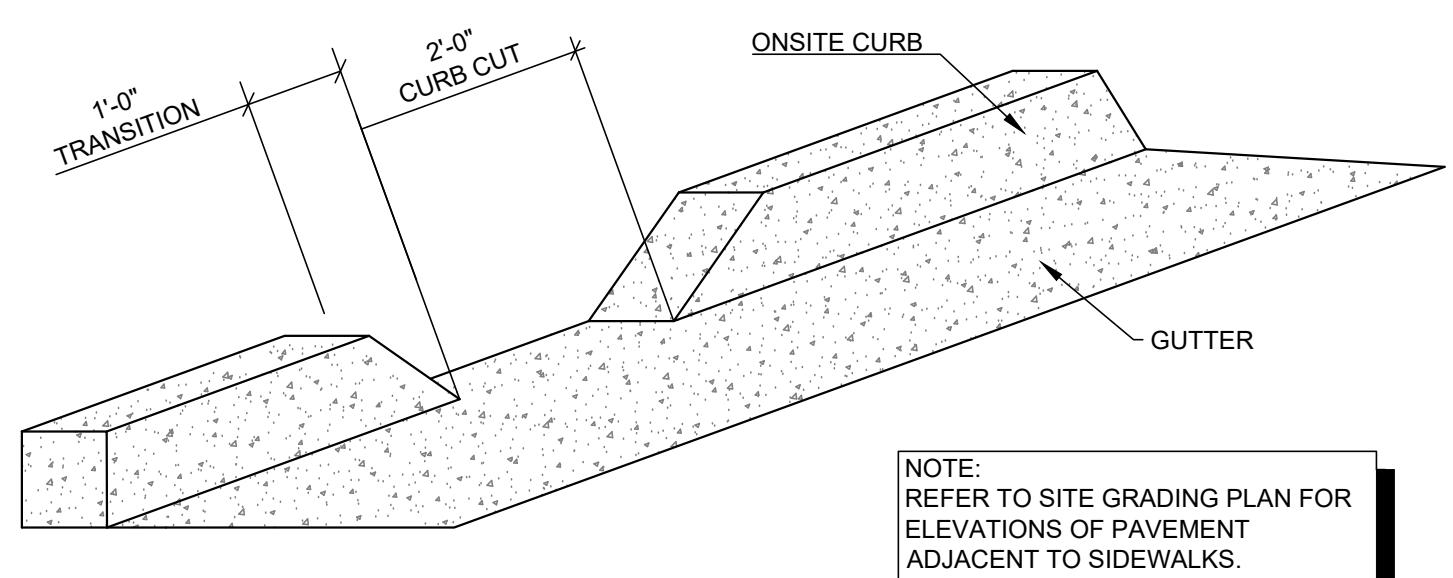
8 HANDICAP PARKING SIGN DETAIL
C2.2 SCALE: 3/4" = 1'-0"



9 BICYCLE PARKING (INVERTED "U")
C2.2 SCALE: 3/4" = 1'-0"



10 U-GUTTER
C2.2 SCALE: (NOT TO SCALE)



11 2' WIDE CURB CUT
C2.2 SCALE: NTS

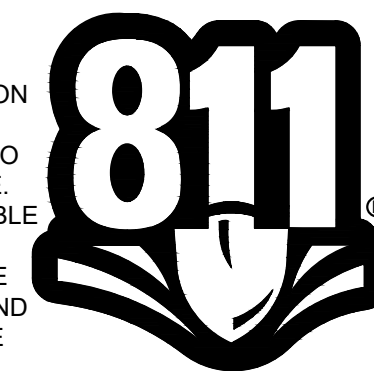
UNAUTHORIZED CHANGES & USES

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

NOTE TO CONTRACTOR

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

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



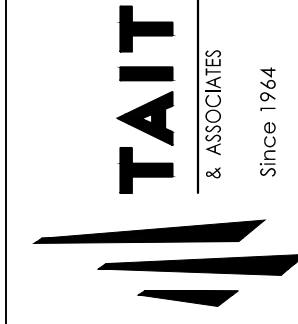
TOWN APPROVAL BLOCK

TOWN OF CASTLE ROCK APPROVAL
PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM
DATE OF SUBSEQUENT SERVICES APPROVAL:
10/16/25
APPROVED
DATE



(SIGNATURE AND SEAL HERE) DATE

PREPARED UNDER THE SUPERVISION OF TAIT & ASSOCIATES, INC.

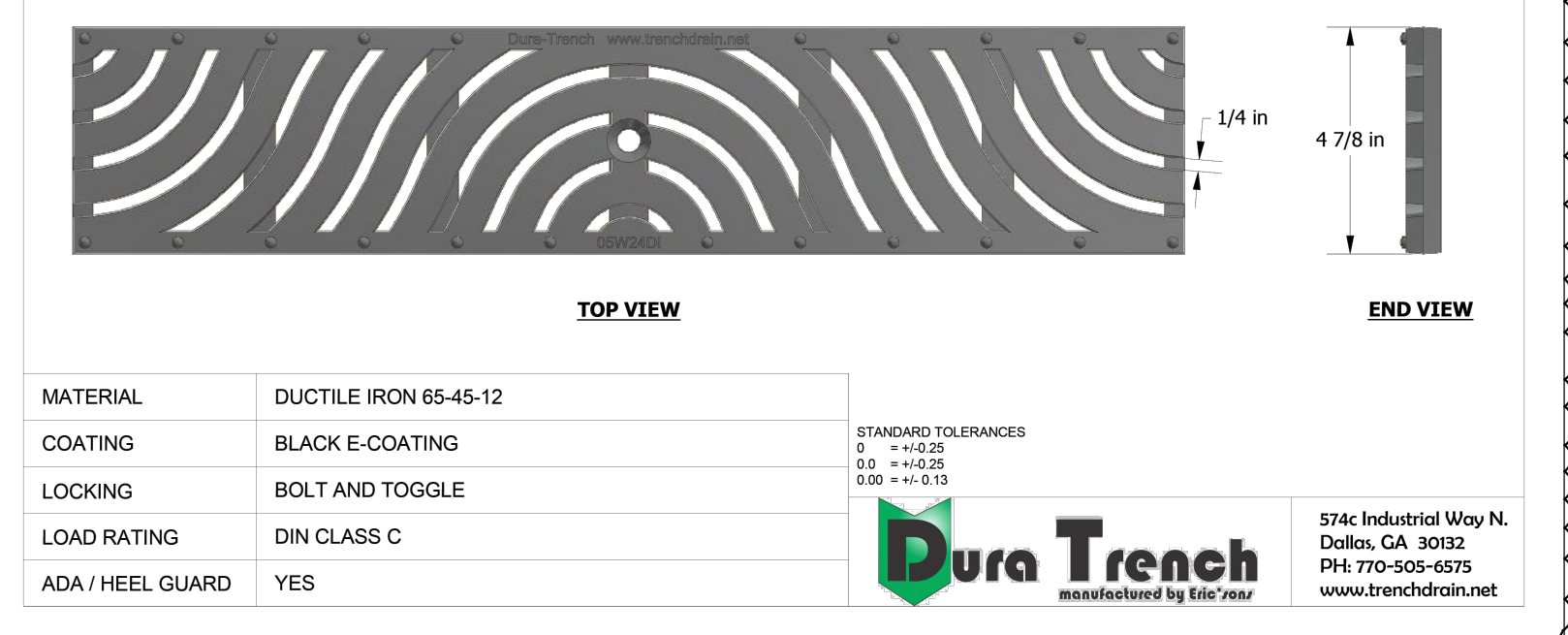
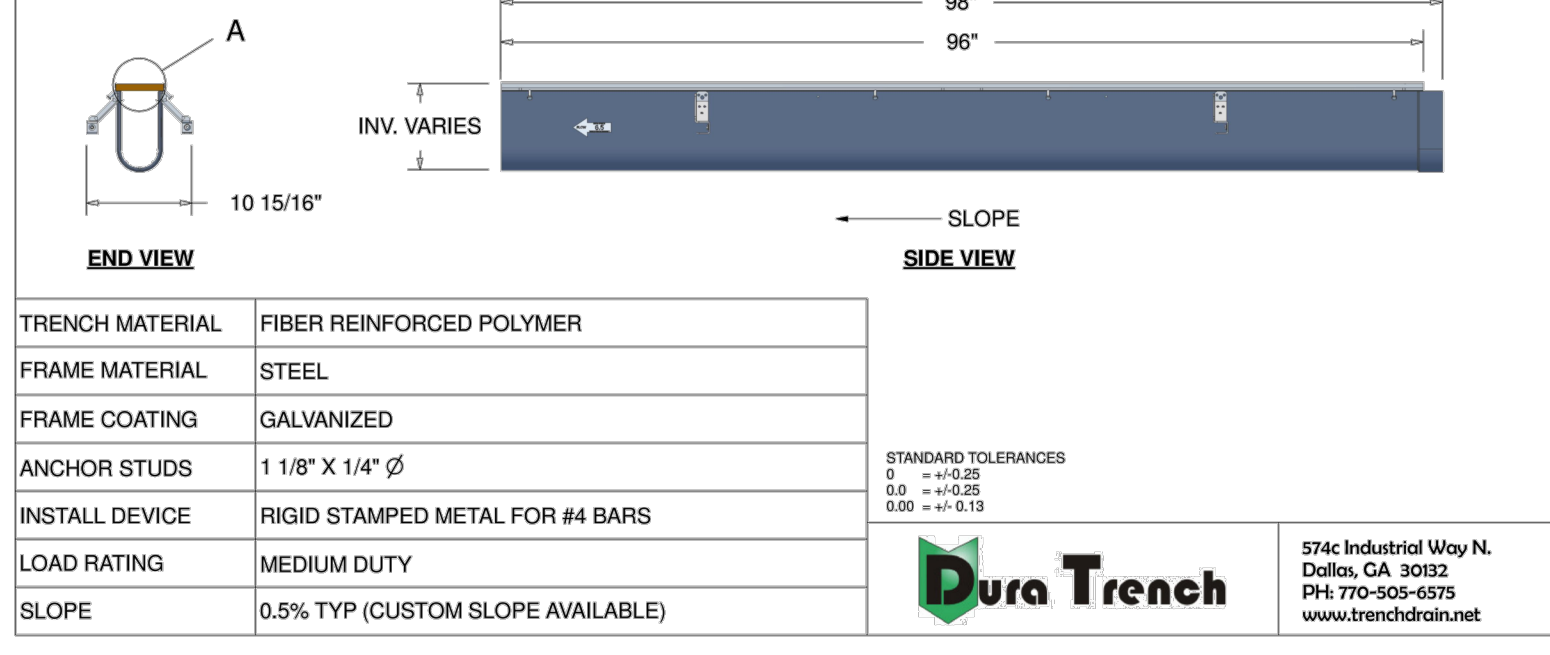
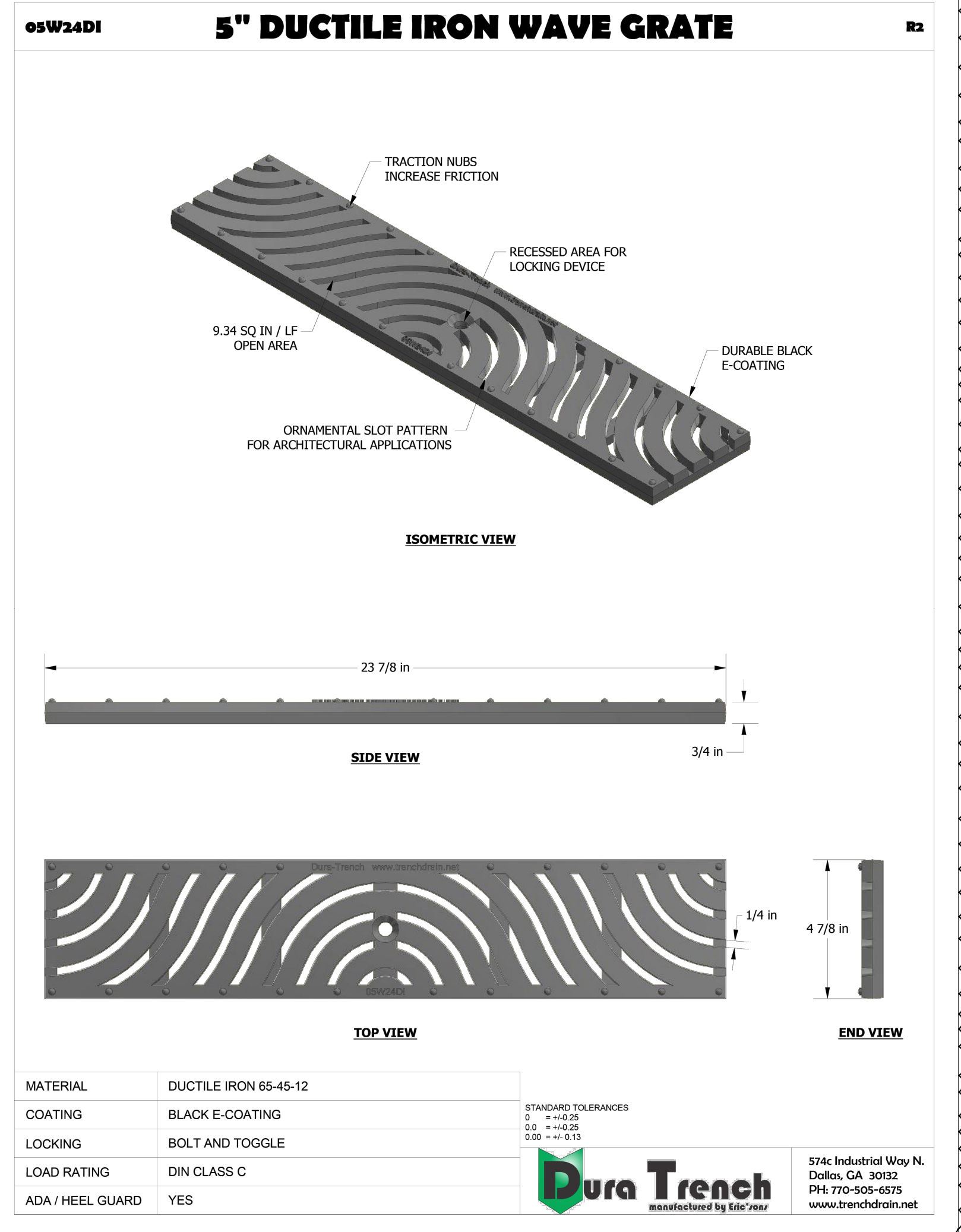
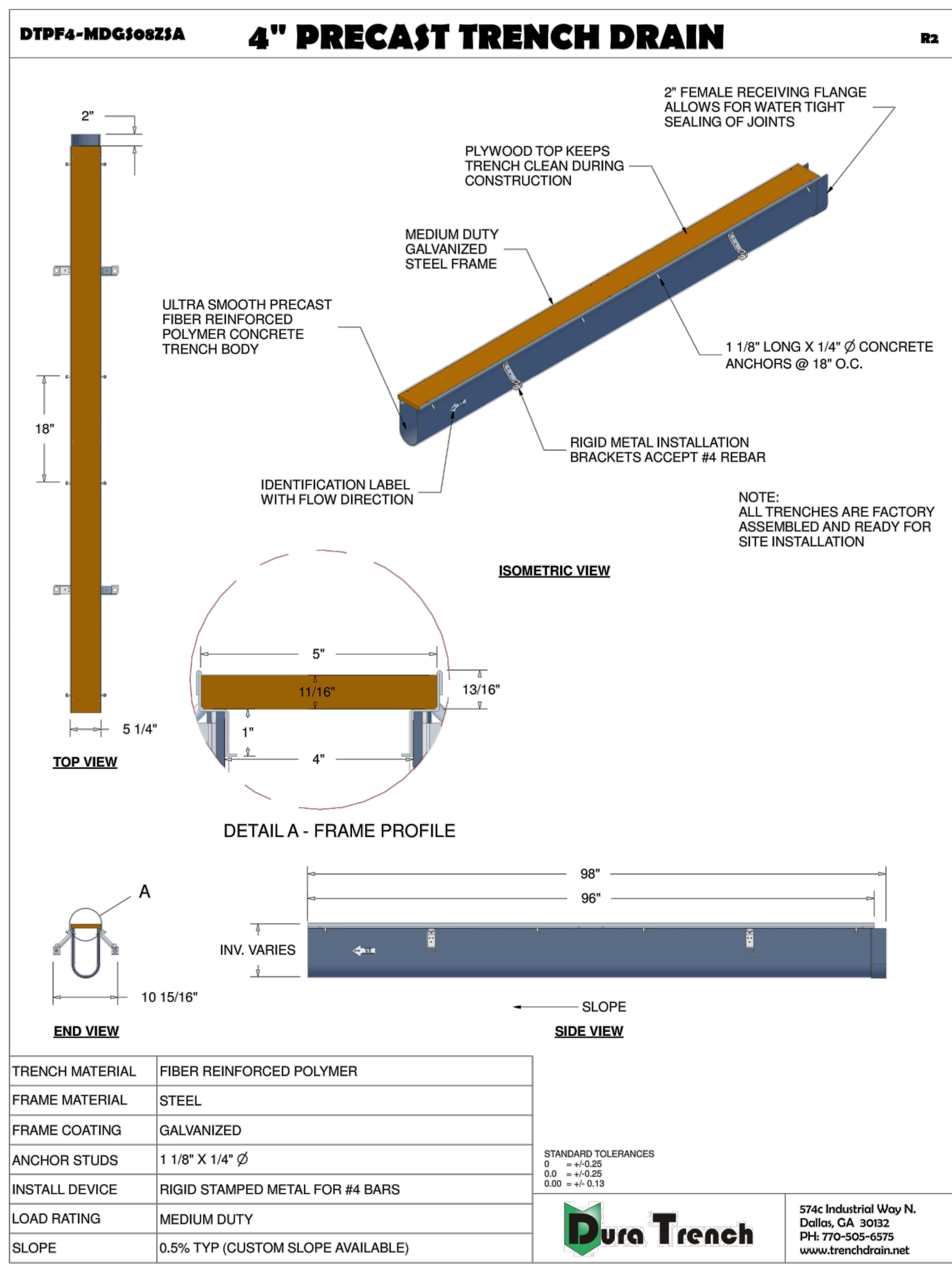
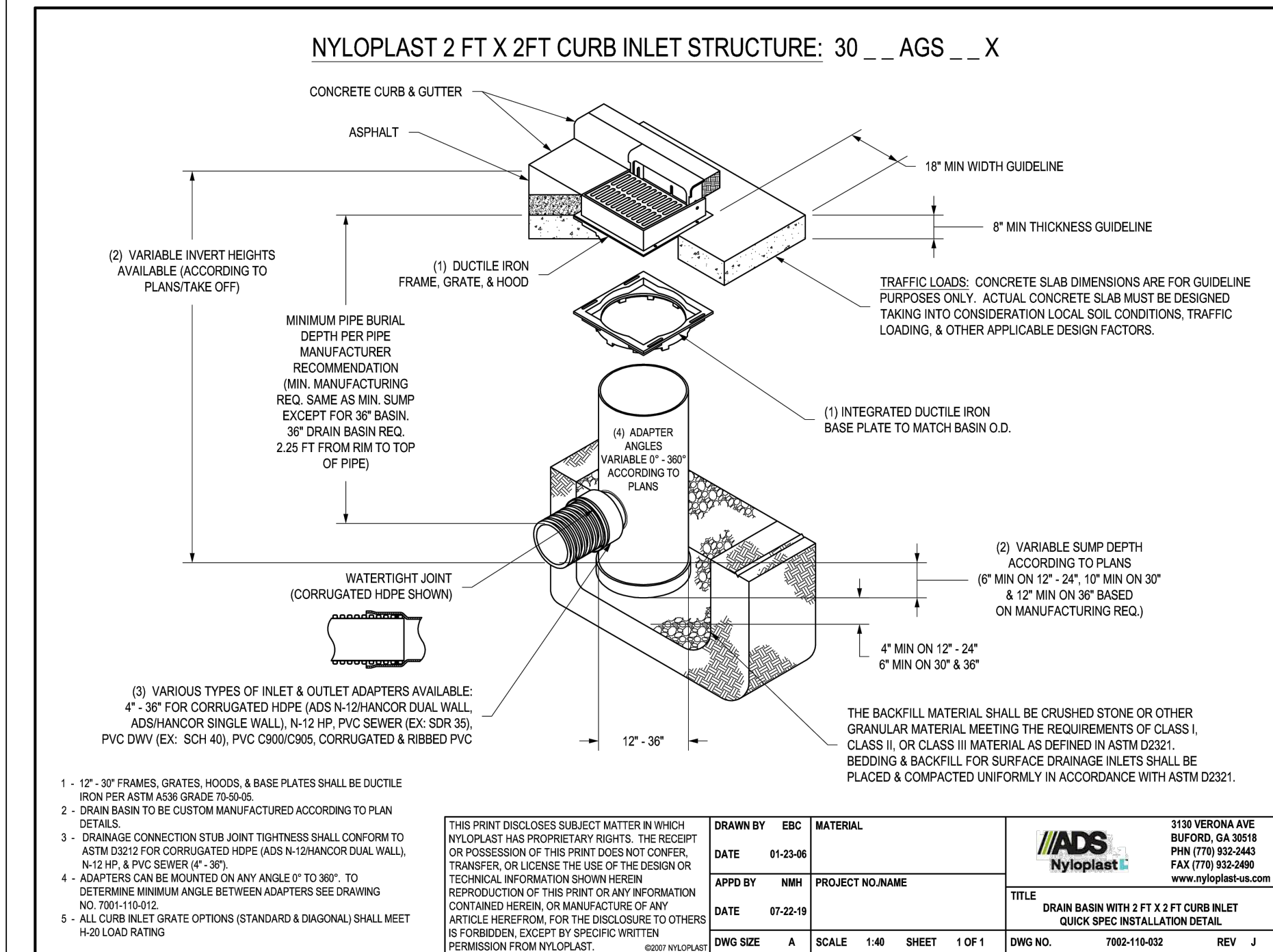
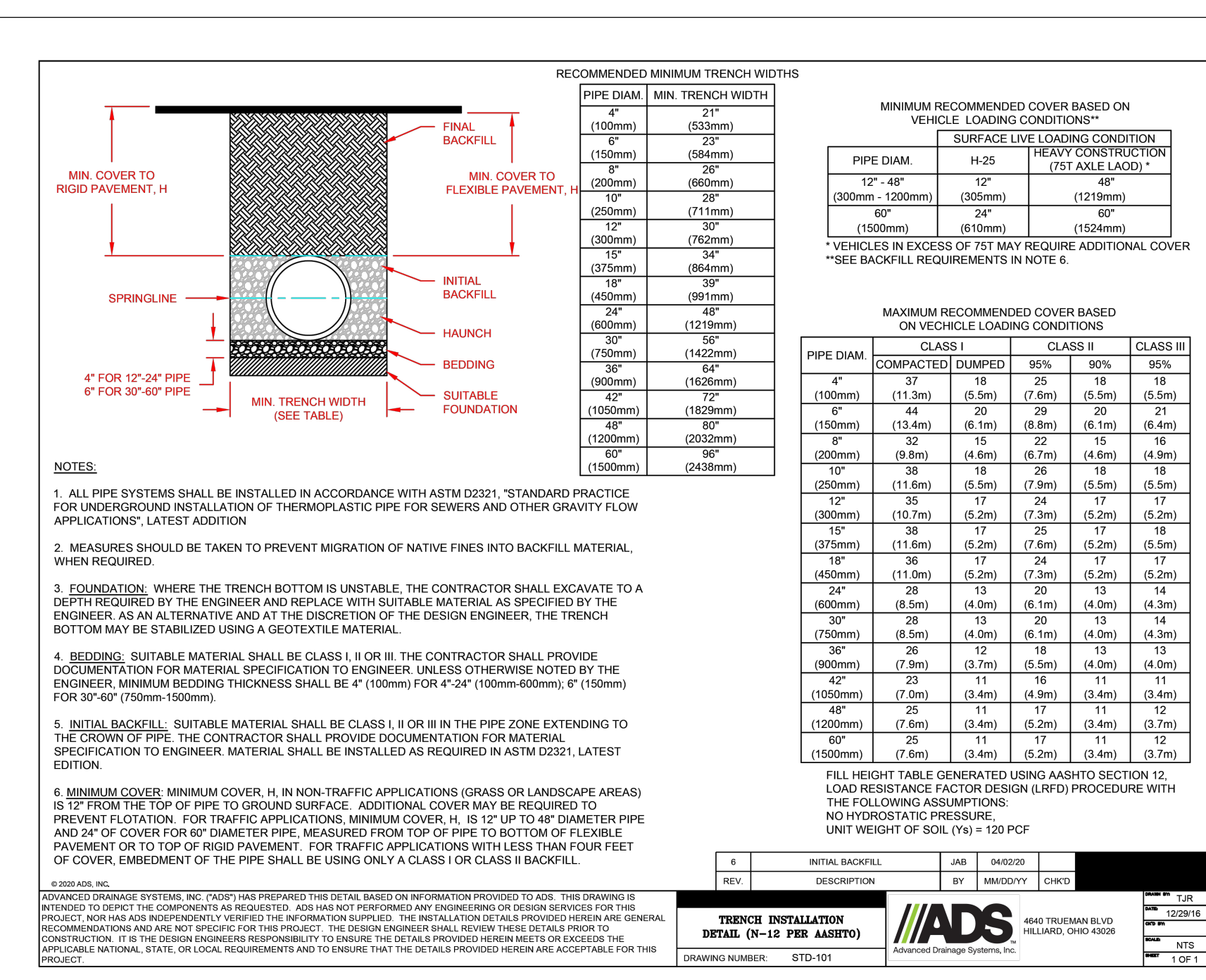
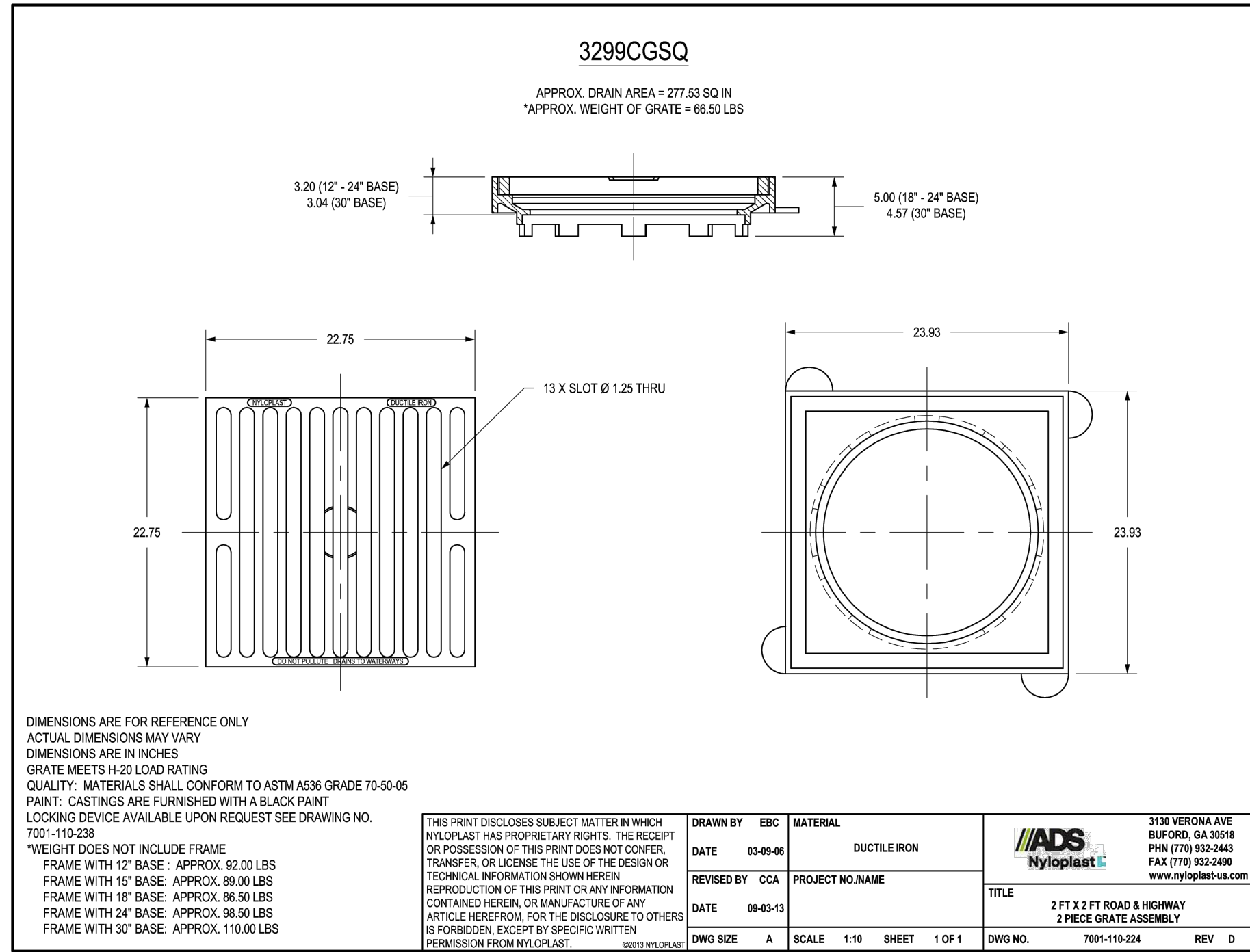
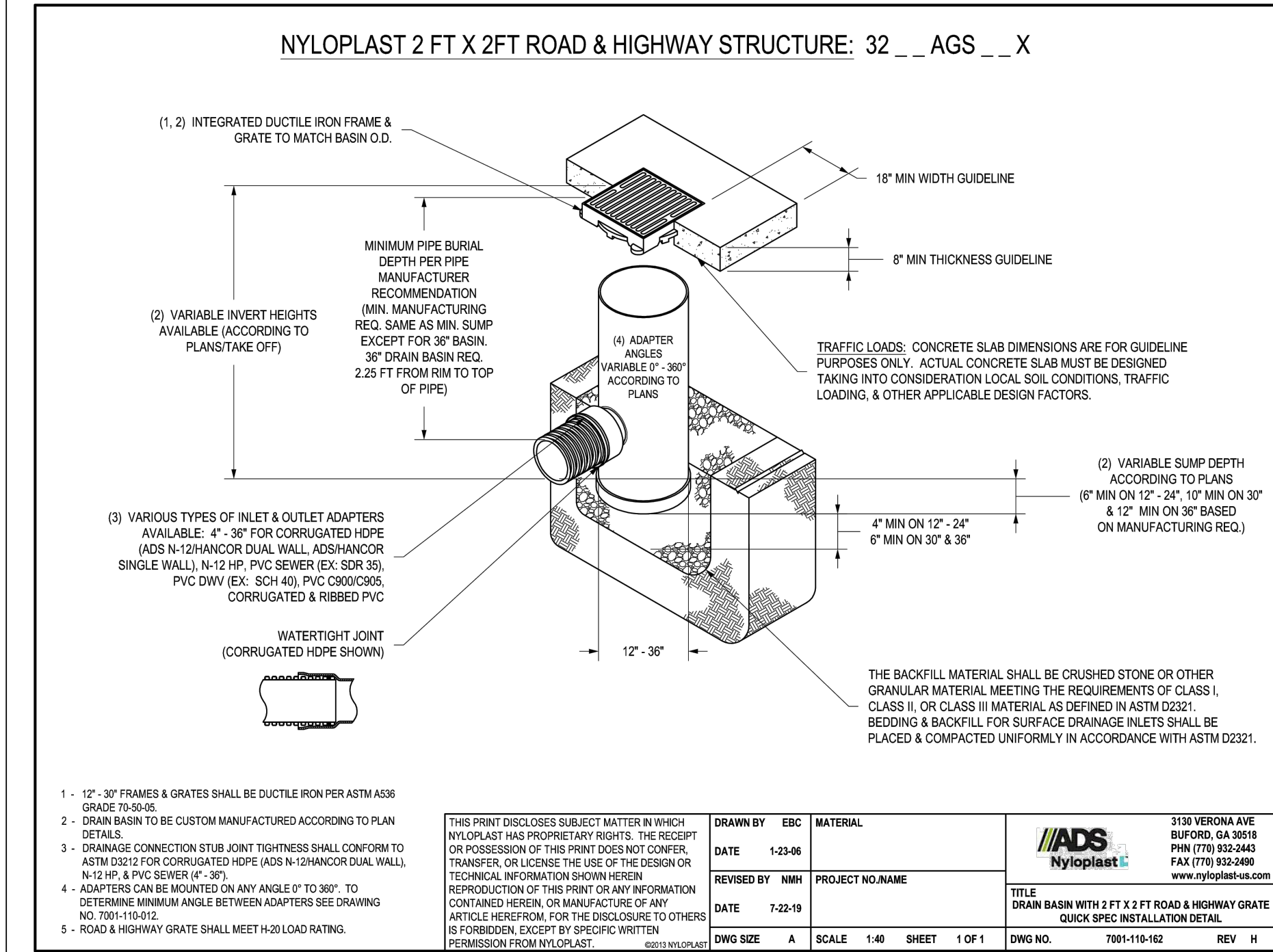


320 North Lincoln Avenue
Loveland, CO 80537
P: 970.613.1447
WWW.TAIT.COM
ENGINEERING ENVIRONMENTAL BUILDING LAND
& ASSOCIATES
Since 1944
San Antonio Sacramento Denver Boise
San Luis Obispo Riverside

PROJECT:
NEW O'REILLY AUTO PARTS STORE
N. RIDGE RD.
CASTLE ROCK, CO #2
SITE DETAILS

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

TIMOTHY M. GULLETT
ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.0558
Fax: 417.862.3265
e-mail: architect@etstschneider.com



PREPARED UNDER THE SUPERVISION OF TAIT & ASSOCIATES, INC.

320 North Lincoln Avenue
Loveland, CO 80537
P: 970.613.1447
www.tait.com

ENGINEERING ENVIRONMENTAL BUILDING LAND
Denver
San Antonio
San Luis Obispo
Riverside
Boise

Since 1944

TAIT & ASSOCIATES

320 North Lincoln Avenue
Loveland, CO 80537
P: 970.613.1447
www.tait.com

ENGINEERING ENVIRONMENTAL BUILDING LAND
Denver
San Antonio
San Luis Obispo
Riverside
Boise

Since 1944

TAIT & ASSOCIATES

320 North Lincoln Avenue
Loveland, CO 80537
P: 970.613.1447
www.tait.com

ENGINEERING ENVIRONMENTAL BUILDING LAND
Denver
San Antonio
San Luis Obispo
Riverside
Boise

Since 1944

TAIT & ASSOCIATES

PROJECT: NEW O'REILLY AUTO PARTS STORE
N. RIDGE RD.
CASTLE ROCK, CO #2
STORM DETAILS

COMM # 4880
DATE: 01/31/25
REVISION
DATE: 05/08/25
06/27/25
08/22/25

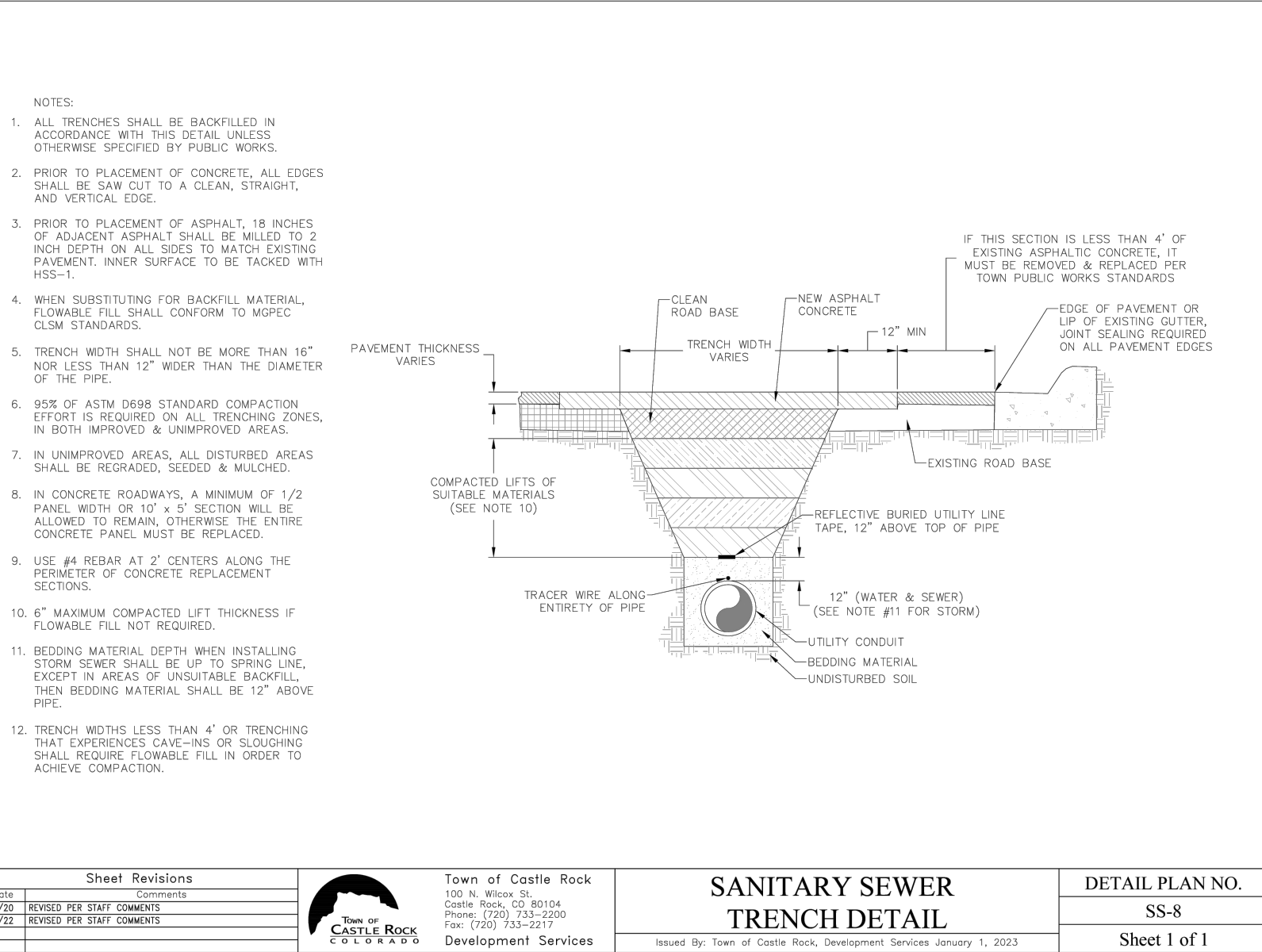
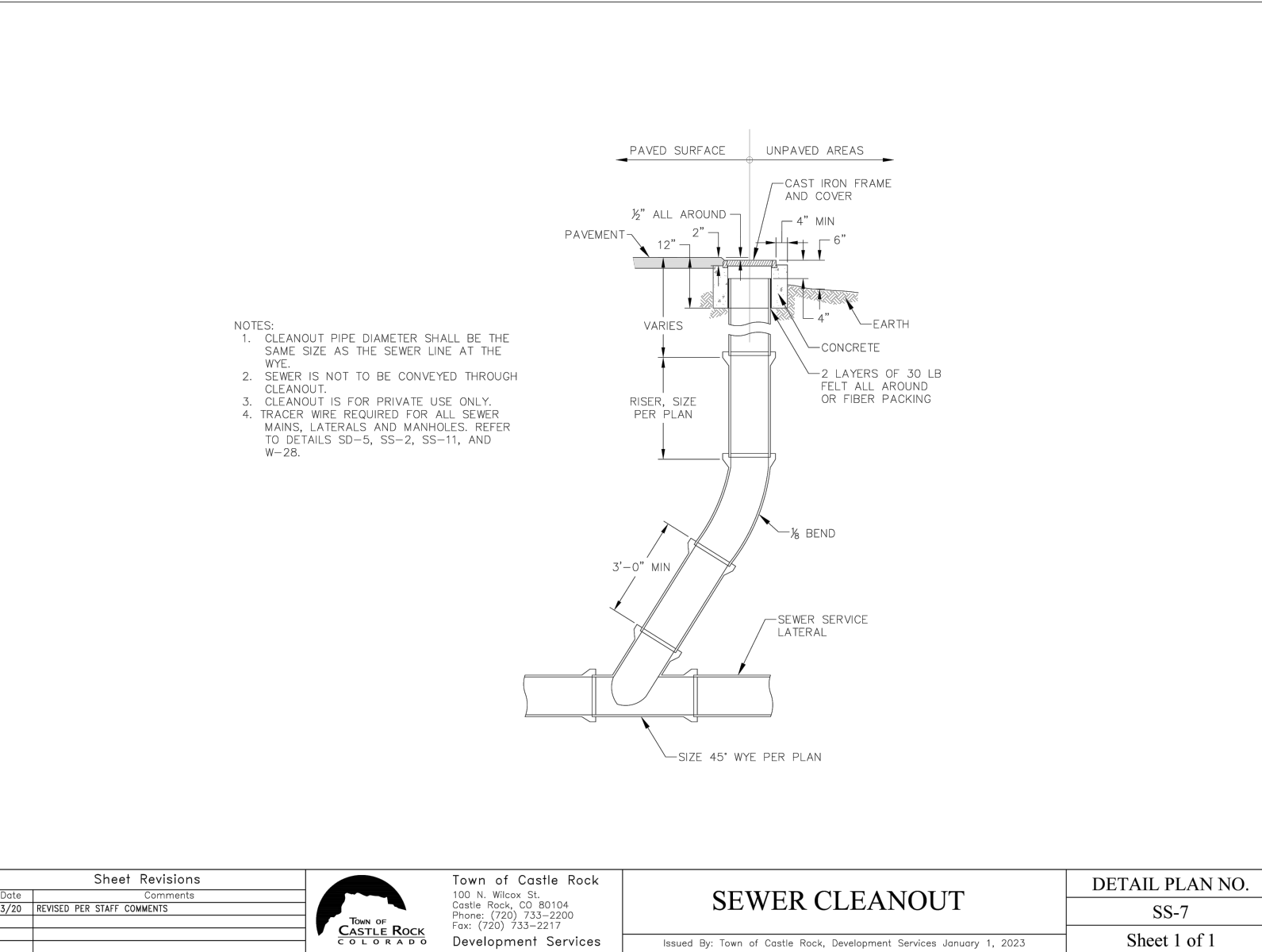
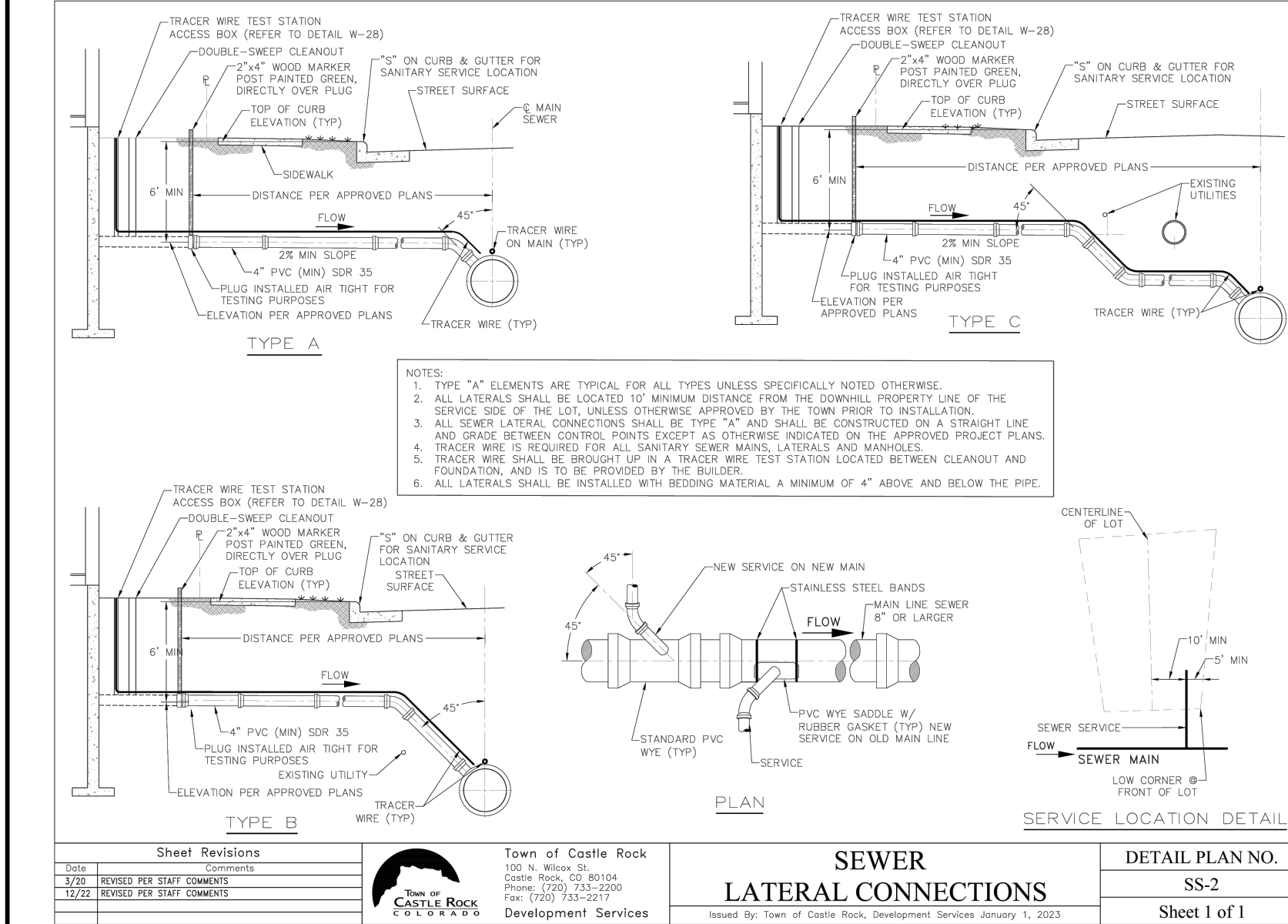
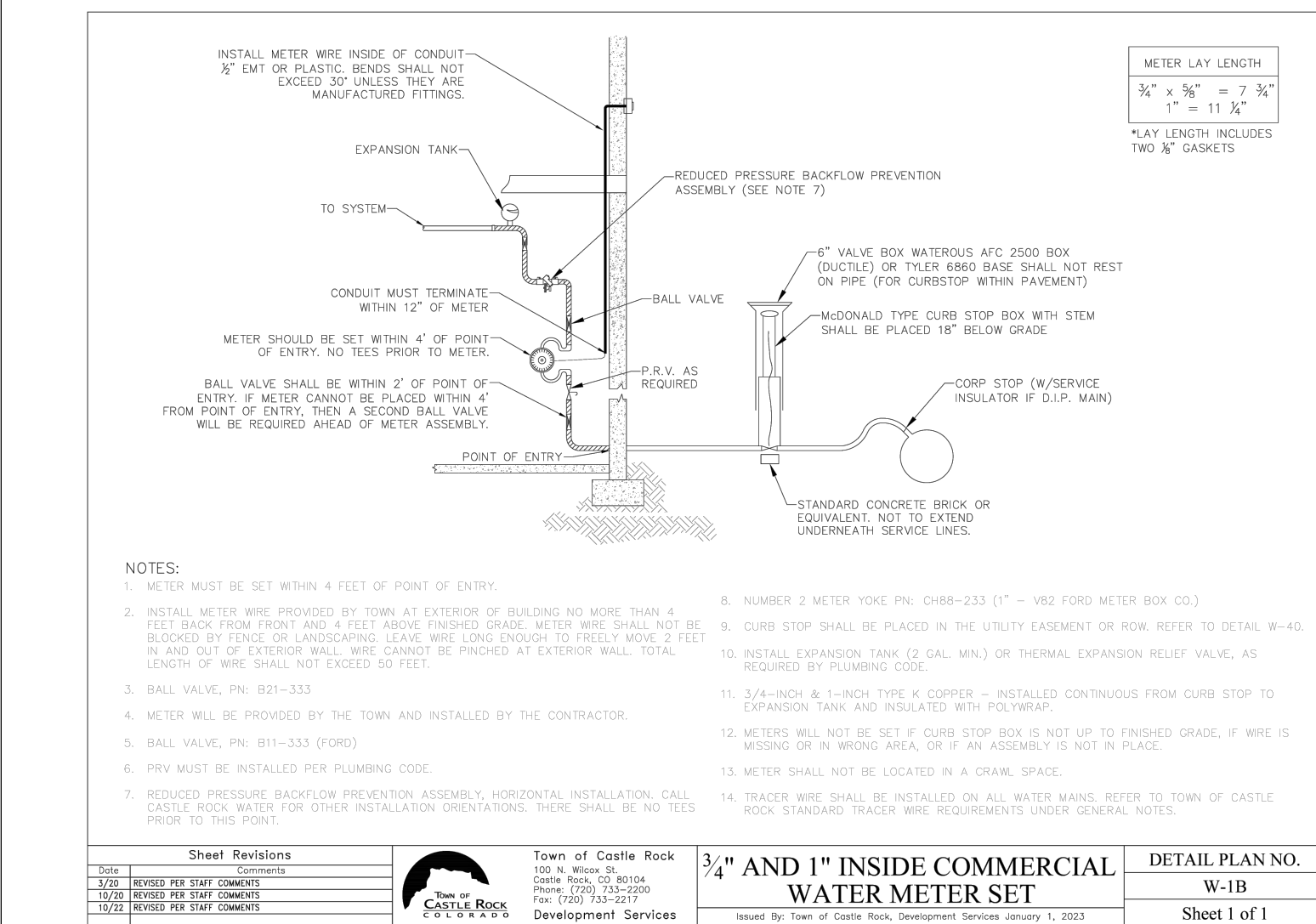
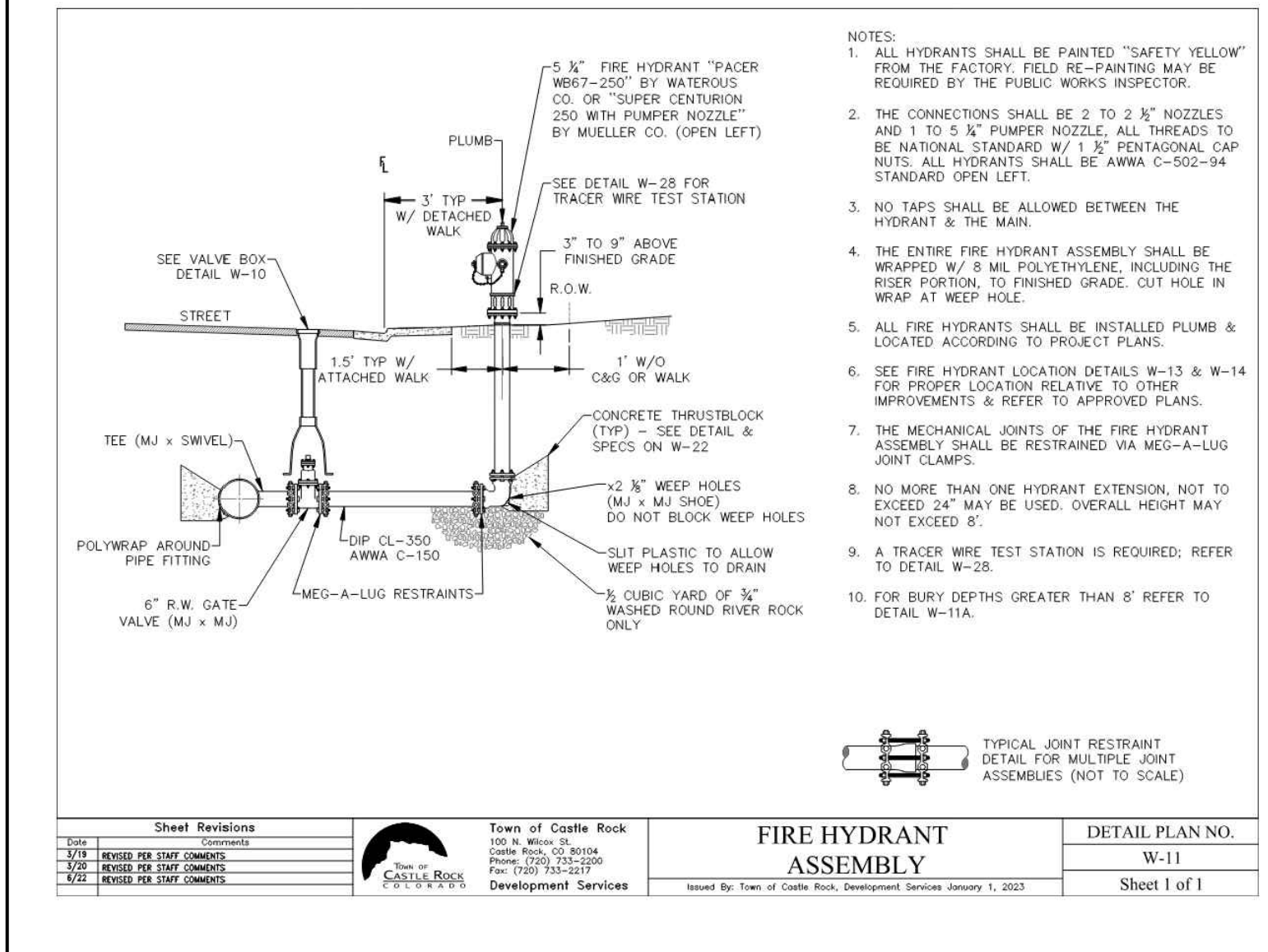
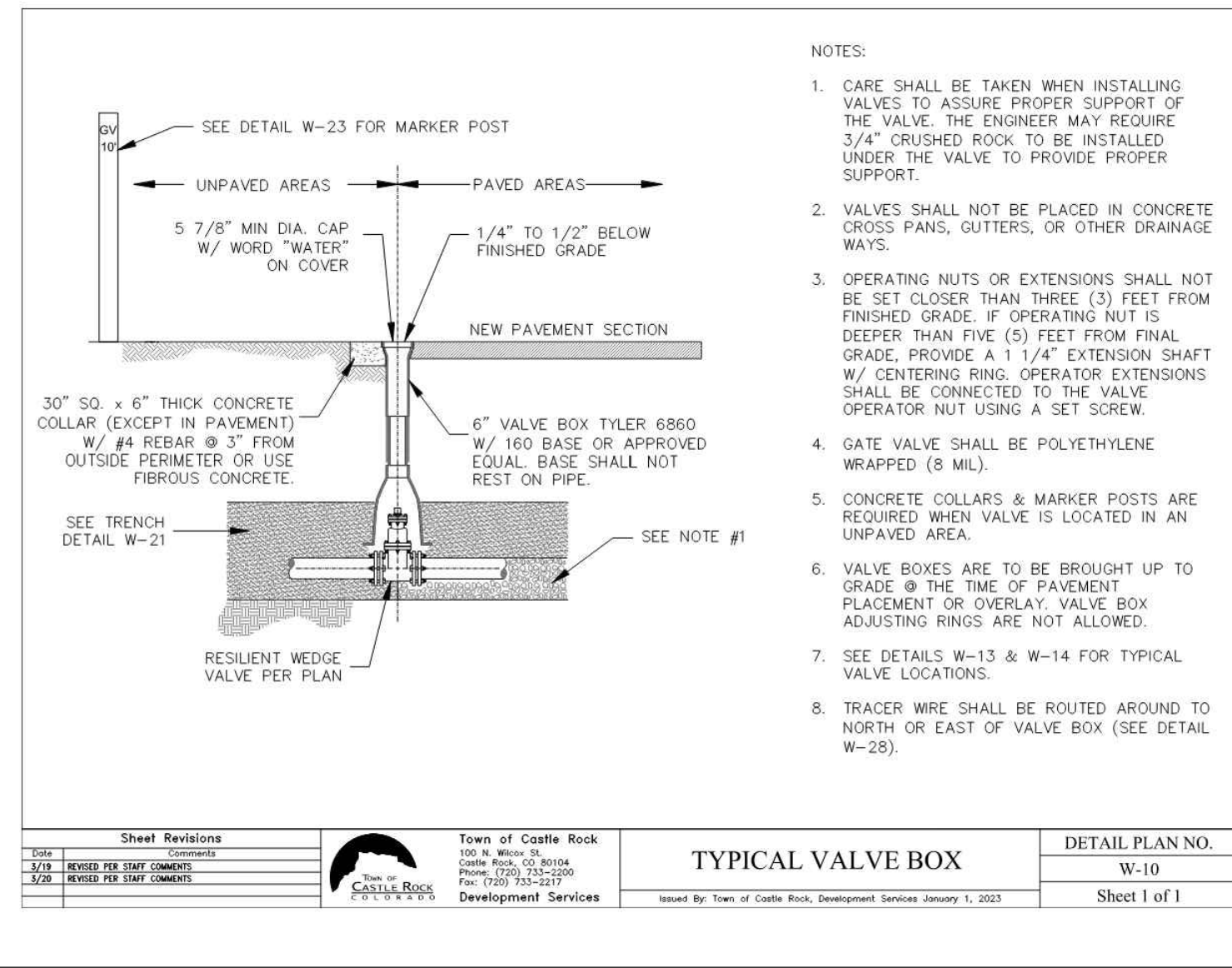
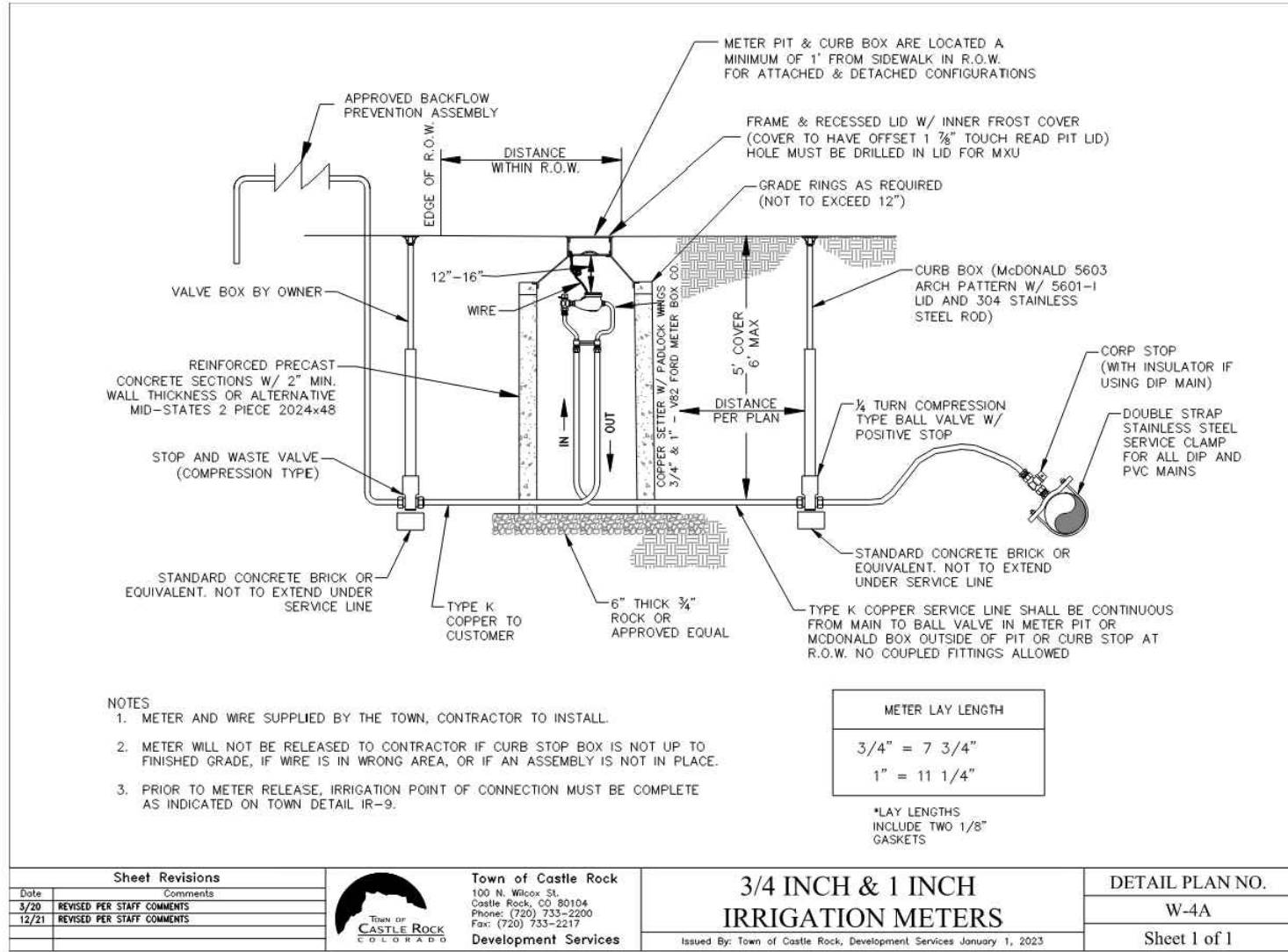
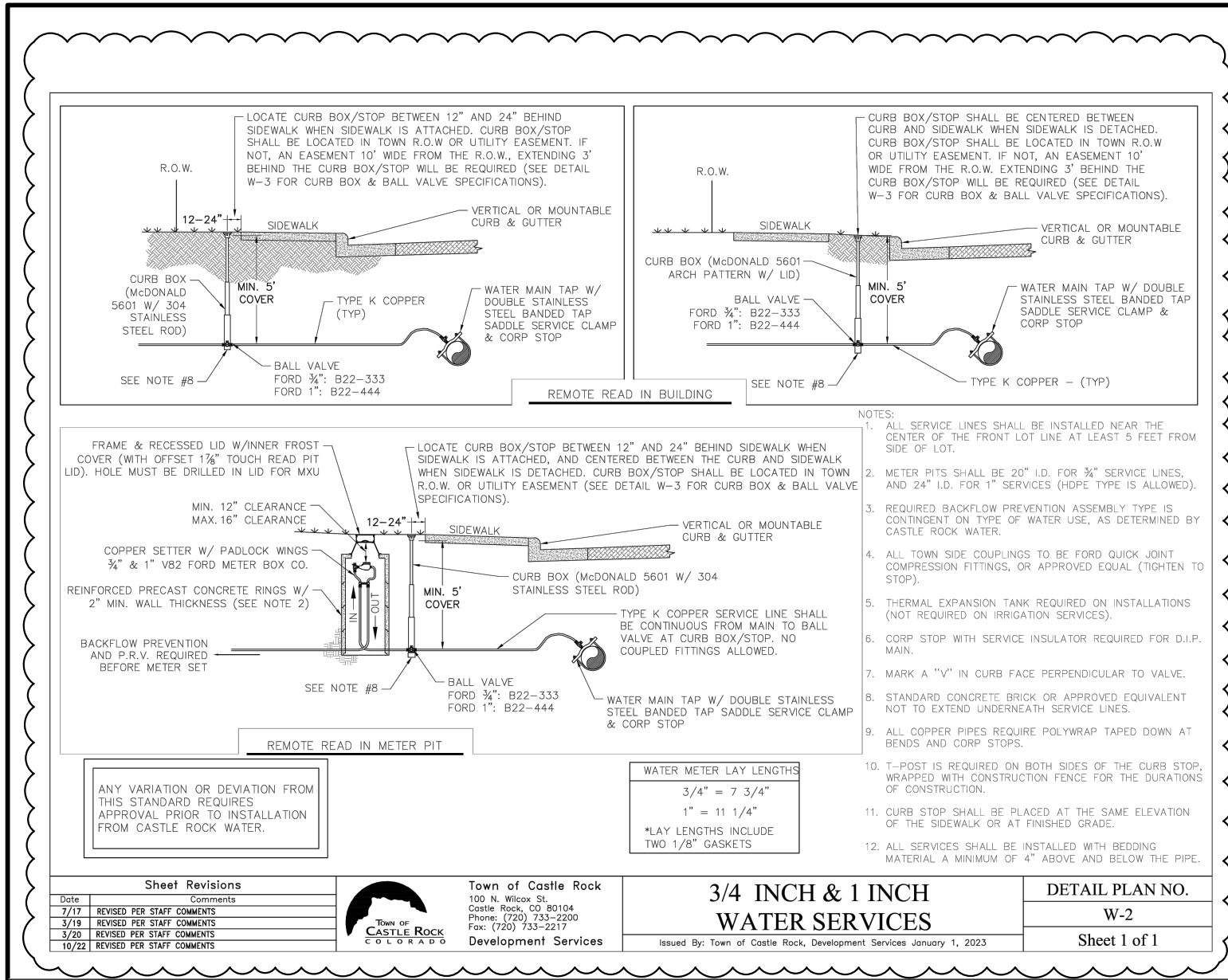
PROFESSIONAL ENGINEER CERTIFICATION
I HEREBY AFFIRM THAT THESE FINAL CONSTRUCTION PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION, IN ACCORDANCE WITH ALL APPLICABLE TOWN OF CASTLE ROCK AND STATE OF COLORADO STANDARDS AND STATUTES, RESPECTIVELY, AND THAT I AM FULLY RESPONSIBLE FOR ALL DESIGN AND REVISIONS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

811
Know what's below
Call before you dig.

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

C2.4
7 of 18

SITE UTILITY PLAN



UNAUTHORIZED CHANGES & USES

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

NOTE TO CONTRACTOR

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

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



TOWN APPROVAL BLOCK

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

APPROVED

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.

PROFESSIONAL ENGINEER

52448
11/5/25

(SIGNATURE AND SEAL HERE) DATE

PROJECT:
NEW O'REILLY AUTO PARTS STORE
N. RIDGE RD.
CASTLE ROCK, CO #2
SITE UTILITY DETAILS

O'Reilly AUTO PARTS

CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

COMM # 4880
DATE: 01/31/25
REVISION
DATE: 05/08/25
06/27/25
08/22/25
11/05/25

C3.2
9 of 18

PREPARED UNDER THE SUPERVISION OF TAIT & ASSOCIATES, INC.

TAIT & ASSOCIATES

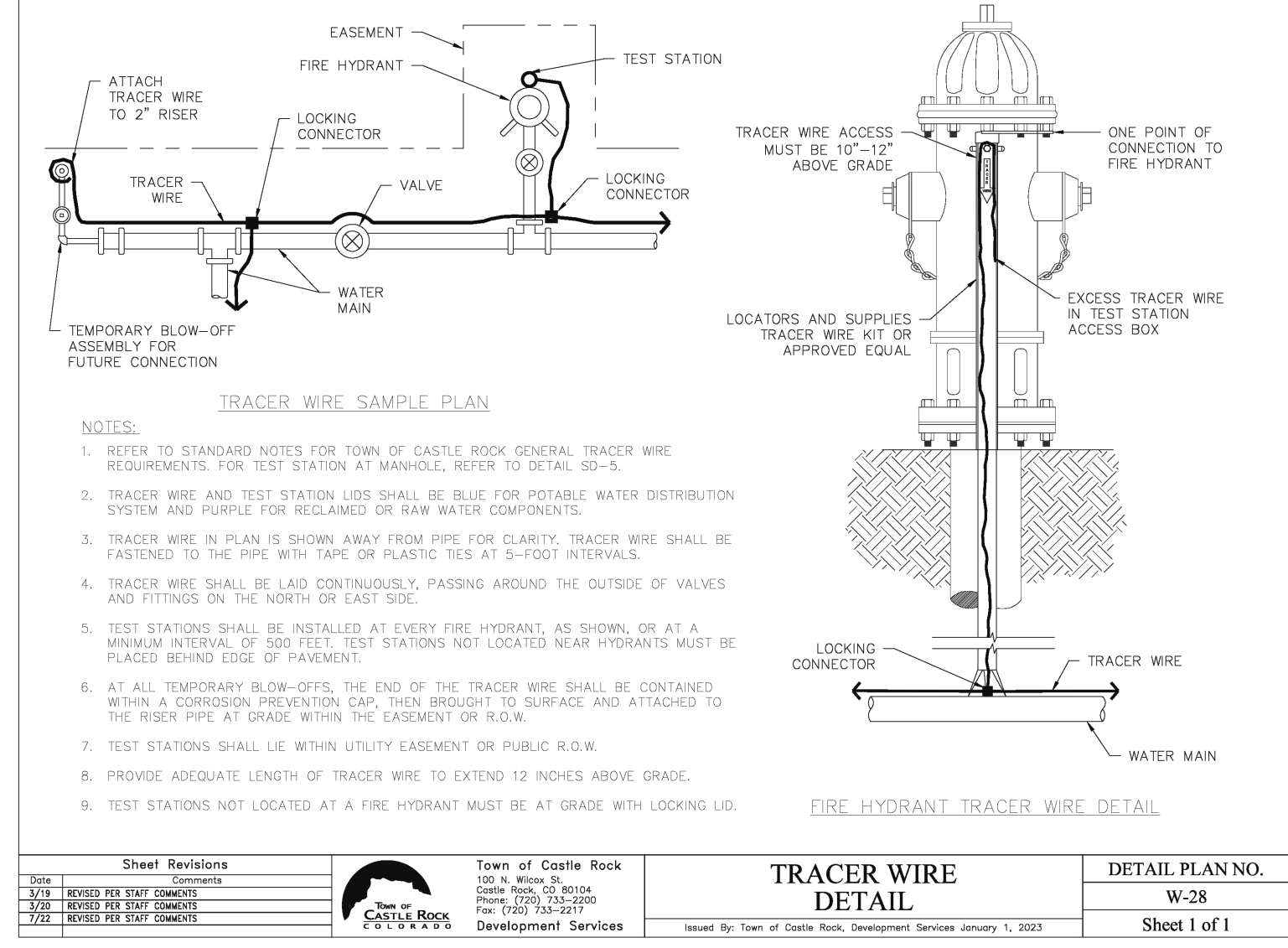
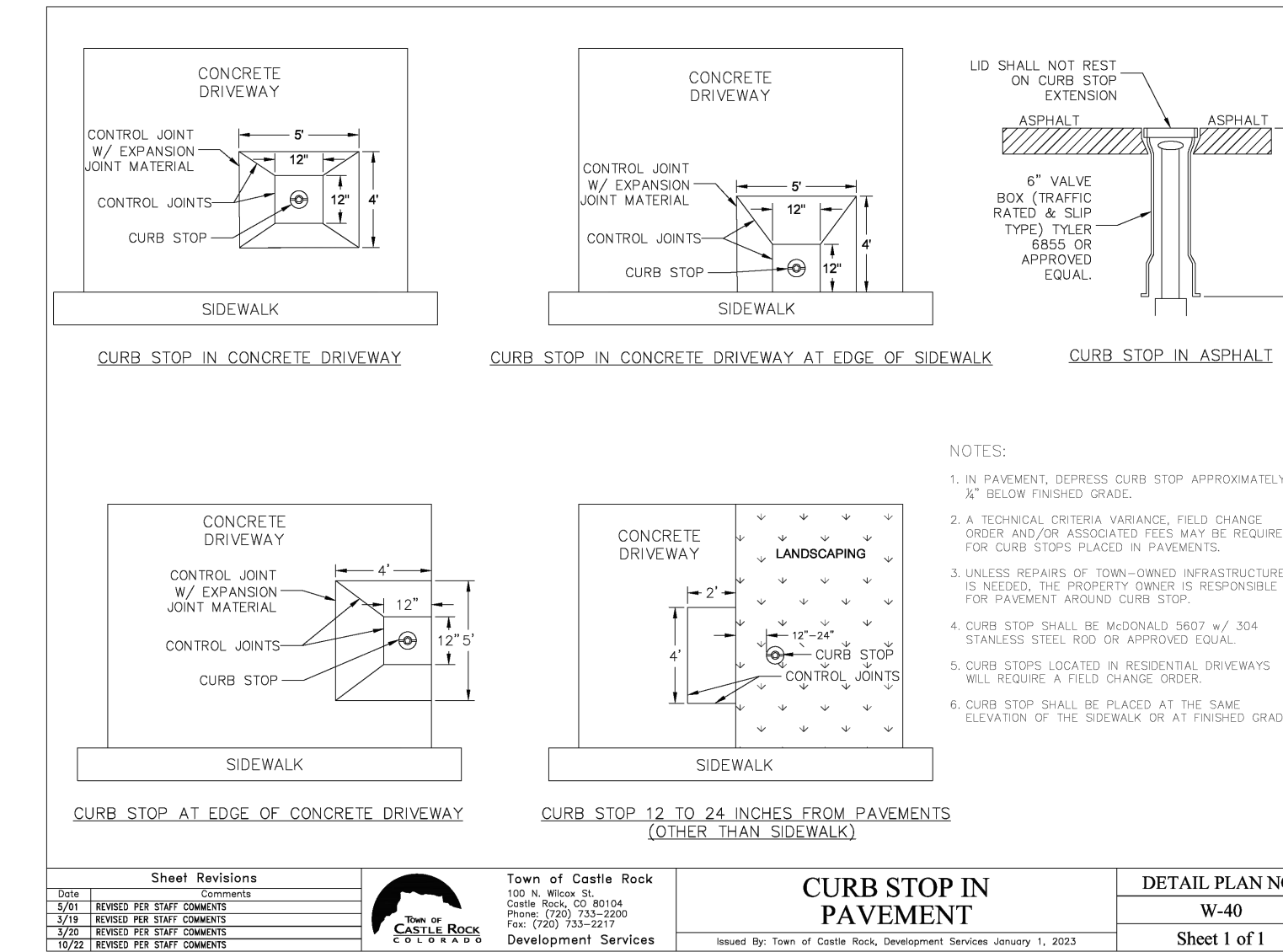
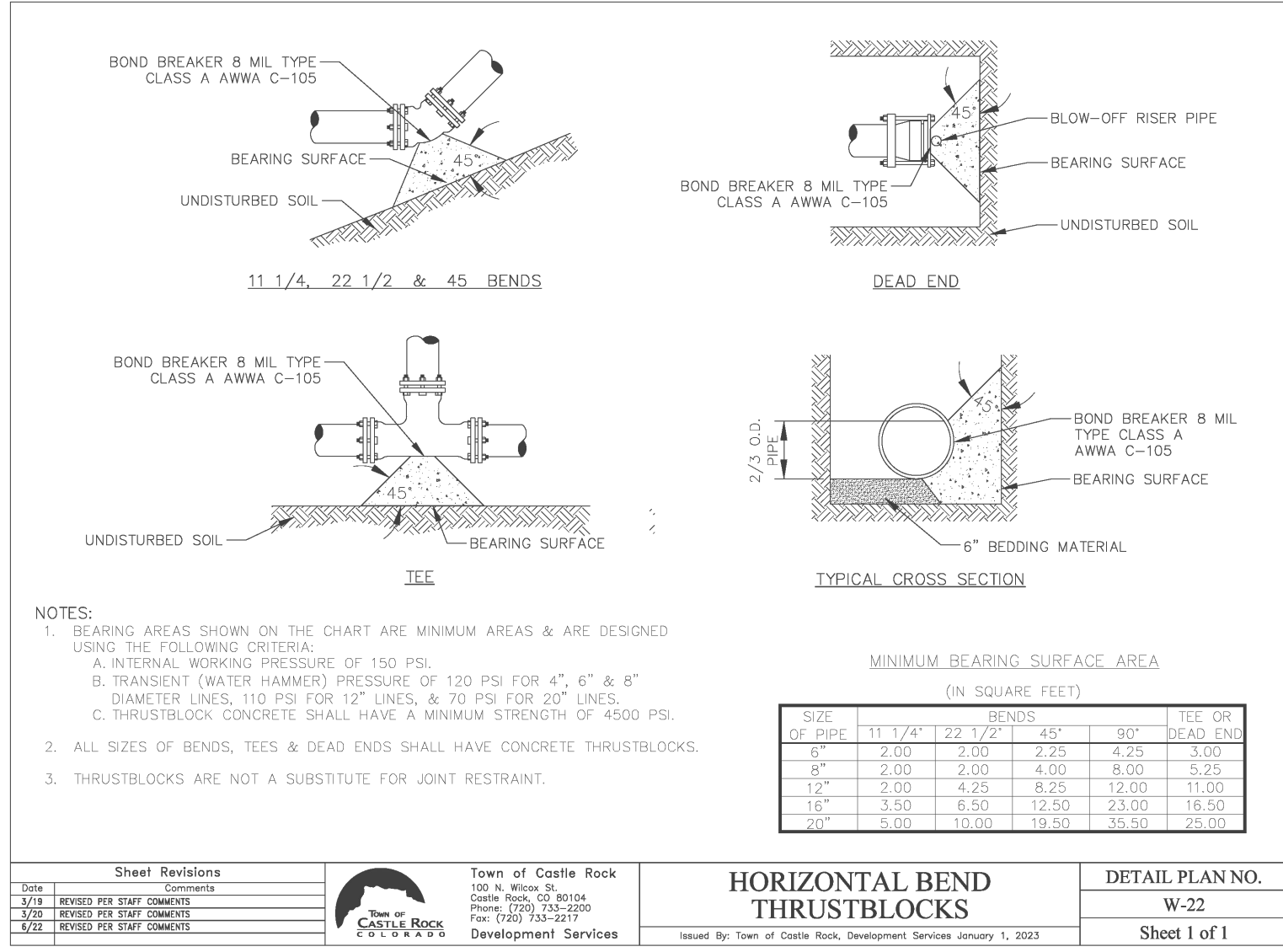
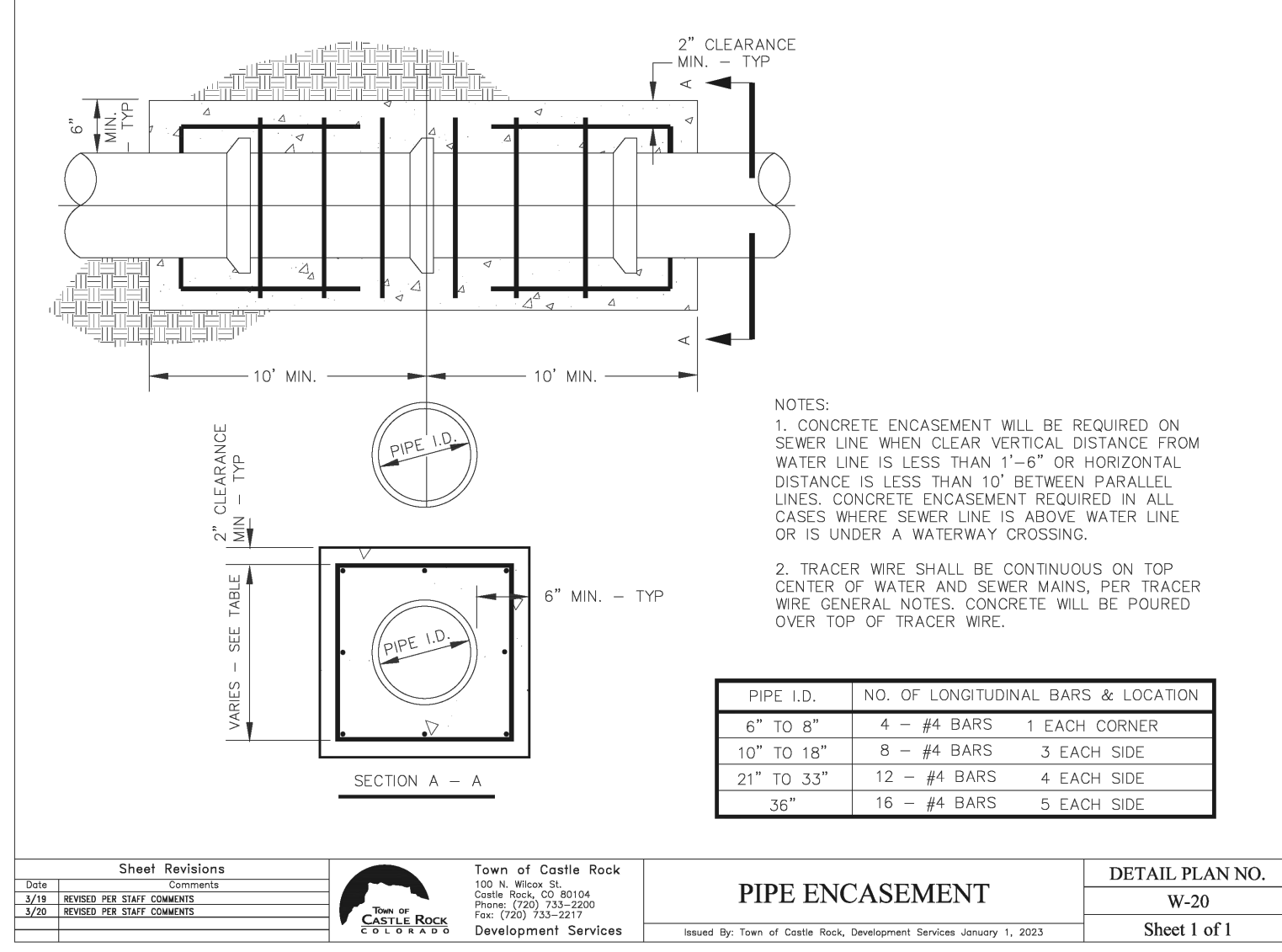
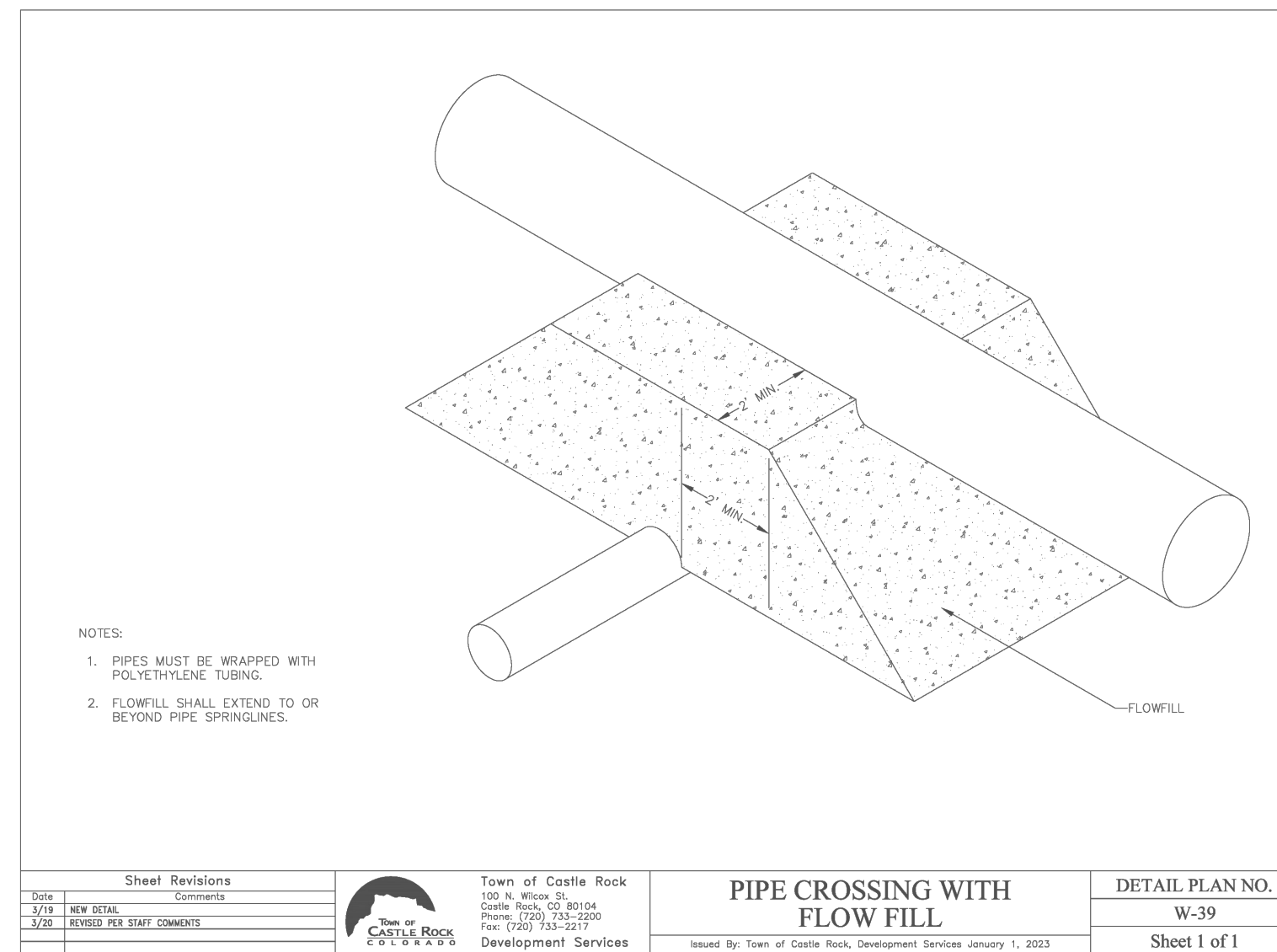
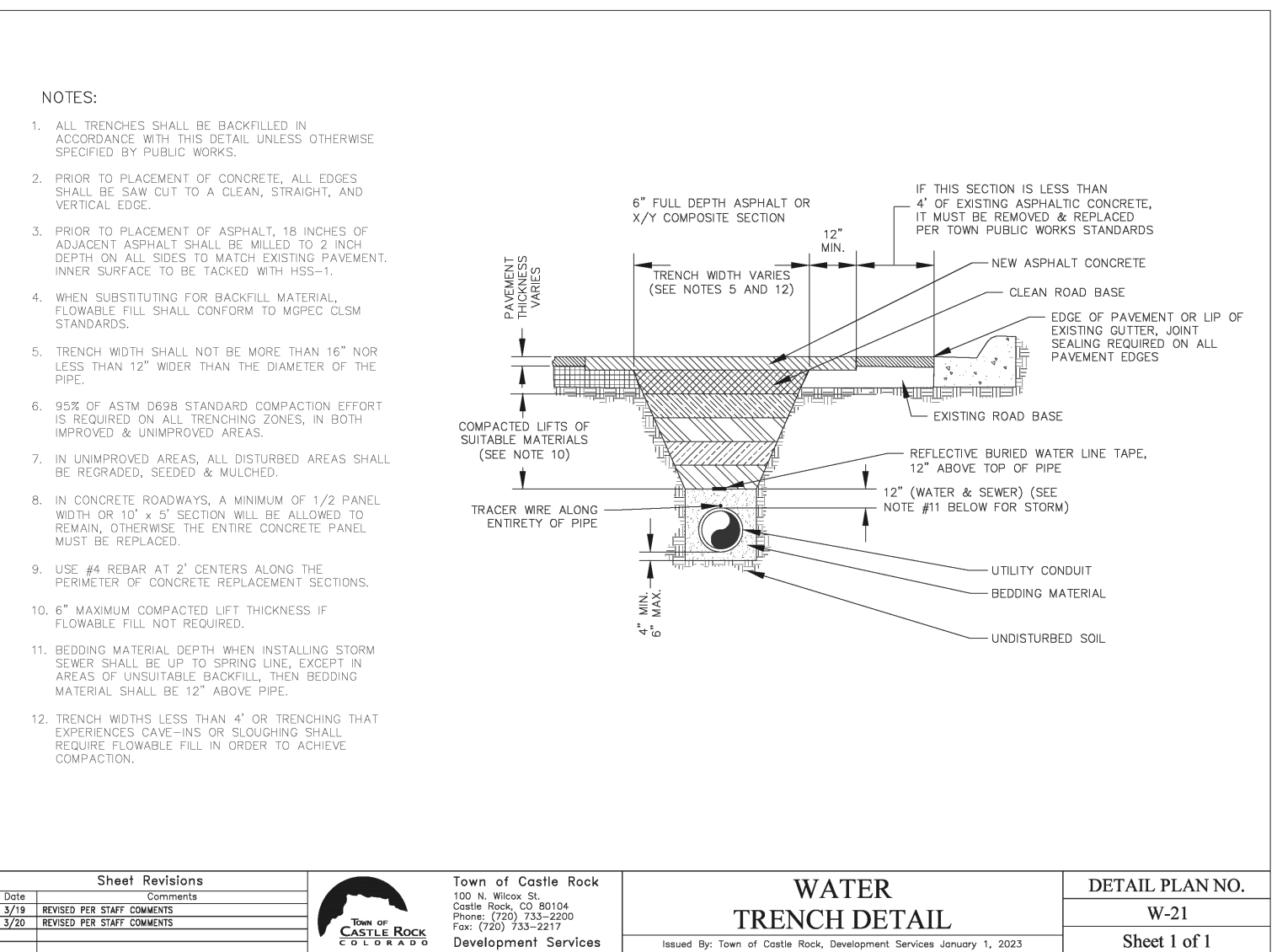
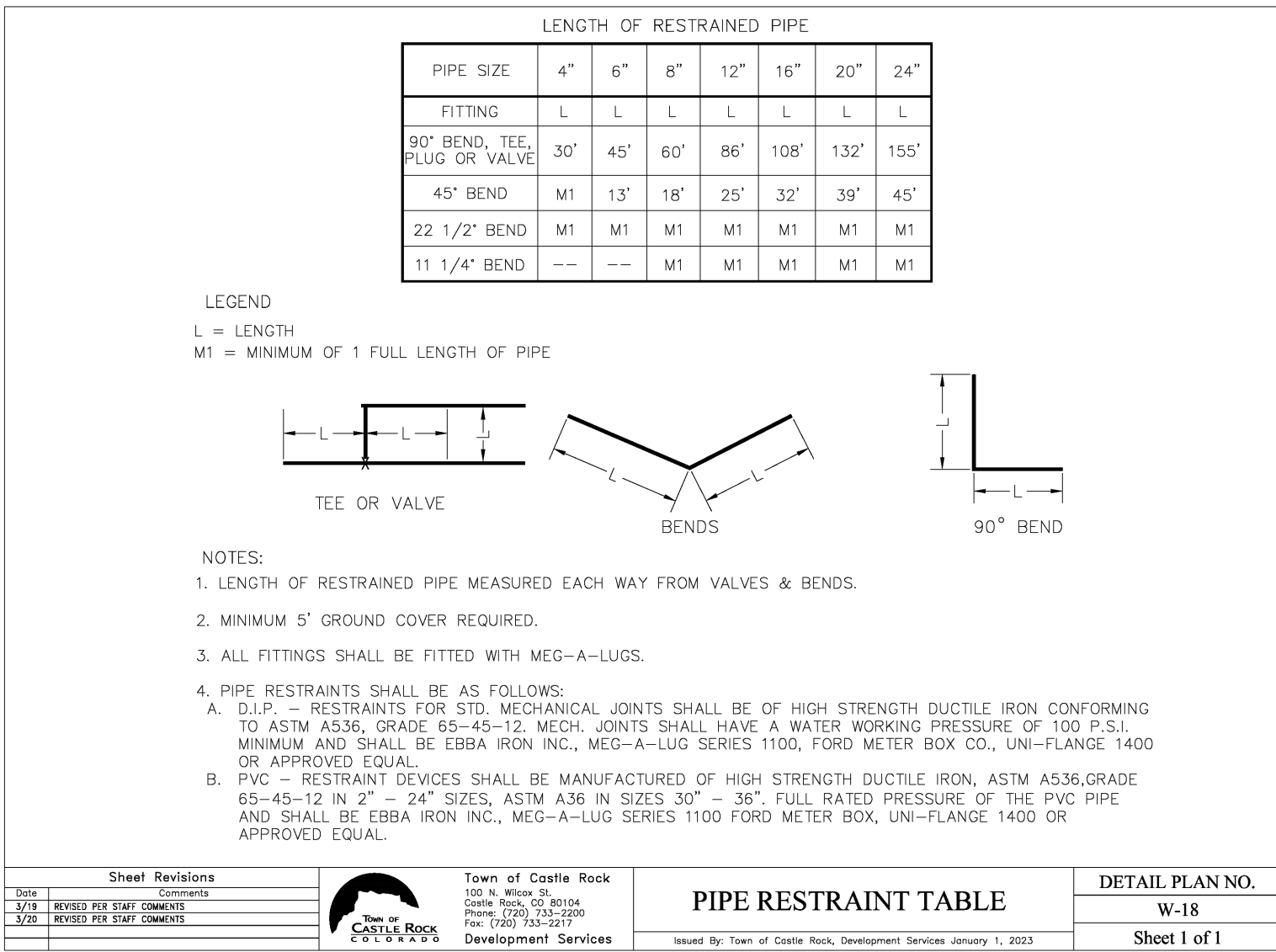
320 North Lincoln Avenue
Loveland, CO 80539
P: 970.613.1447
www.tait.com

ENGINEERING ENVIRONMENTAL BUILDING LAND
Denver
Sacramento
San Luis Obispo
Boise

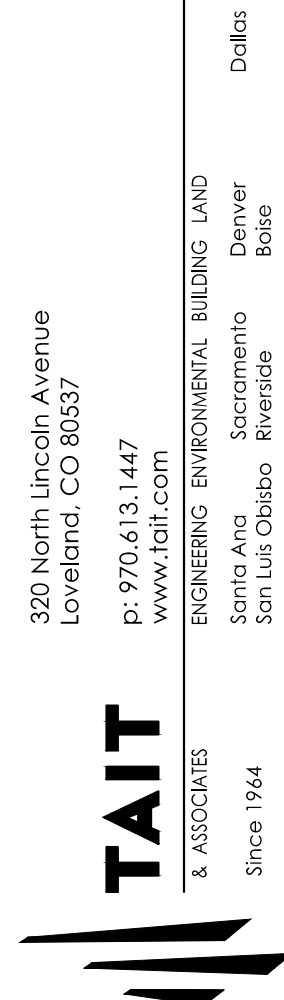
Since 1944

TIMOTHY M. GULLOT
ARCHITECT

1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.0558
Fax: 417.862.3265
e-mail: architect@extertjshomeur.com



PREPARED UNDER THE SUPERVISION OF TAIT & ASSOCIATES, INC.



PROJECT:
NEW O'REILLY AUTO PARTS STORE
N. RIDGE RD.
CASTLE ROCK, CO #2
SITE UTILITY DETAILS

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

COMM # 4880
DATE: 01/31/25
REVISION
DATE: 05/08/25
06/27/25
08/22/25

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.



TOWN APPROVAL BLOCK

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

APPROVED
DATE: 8/22/25

DESIGNER: [Signature]
DATE: [Signature]

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

811
Know what's below
Call before you dig.

NOTE TO CONTRACTOR

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

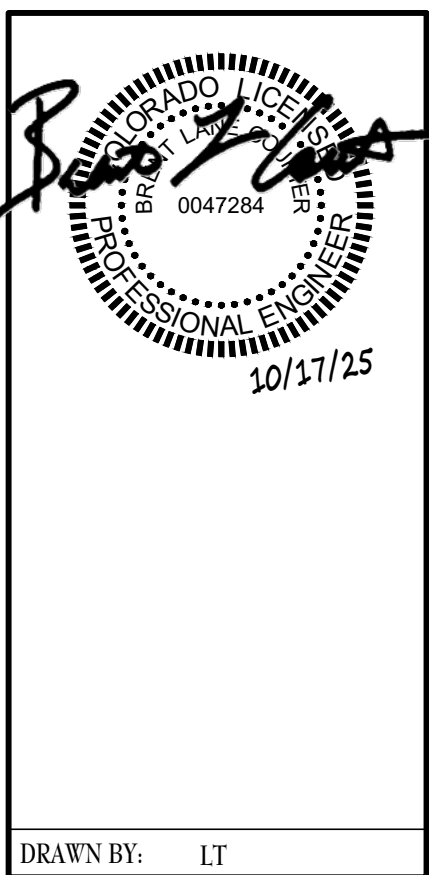
UNAUTHORIZED CHANGES & USES

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

(SIGNATURE AND SEAL HERE) DATE

SITE DEVELOPMENT PLAN AMENDMENT NO.2

LOT 5, FOUNDERS MARKETPLACE, FILING NO.1, AMENDMENT NO.1
IN THE NORTHWEST QUARTER OF SECTION 7, TOWNSHIP 8 SOUTH,
RANGE 66 WEST OF THE 6TH P.M.
TOWN OF CASTLE ROCK, COUNTY OF DOUGLAS, STATE OF COLORADO
PROJECT NO.SDP25-0005



TIMOTHY M. GUILLOT
ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
e-mail: architect@esteryschneider.com
417.862.0558
Fax: 417.862.3265

AUTOMATIC LIGHTING CONTROL

COMPLIANCE WITH ENERGY CODE IS ACHIEVED BY:

1. ONCE THE EMS HAS BEEN PROGRAMMED, THE INTERIOR AND EXTERIOR LIGHTS WILL TURN ON AND OFF USING THE FOLLOWING LOGIC: SEE EM SHEETS.

INTERIOR WORK LIGHTS WILL TURN ON WITH FIRST MOTION IN THE STORE AND WILL TURN OFF 15 MINUTES AFTER LAST MOTION ONCE THE STORE IS CLOSED.

INTERIOR SALES LIGHTS WILL TURN ON AT STORE OPENING AND TURN OFF 15 MINUTES AFTER STORE CLOSING.

EXTERIOR SIGN LIGHTS WILL TURN ON WHEN ITS DARK ENOUGH OUTSIDE ANYTIME DURING STORE HOURS, AND WILL TURN OFF AT STORE CLOSING. STORE HOURS ARE MON-SAT 7:30 AM TO 9:00 PM AND SUNDAY 9:00 AM TO 7:00 PM.

EXTERIOR SITE LIGHTS WILL TURN ON WHEN IT IS DARK ENOUGH OUTSIDE AND IT IS WITHIN STORE HOURS OR THERE IS MOTION IN THE STORE. THEY WILL TURN OFF 30 MINUTES AFTER LAST MOTION ONCE THE STORE IS CLOSED.

EXTERIOR WALL SCONCE LIGHTS (WS1 AND WSP) STAY ON OVERNIGHT FOR SECURITY PURPOSES.

2. RESTROOMS AND OFFICES: ALL LIGHTING IN THESE AREAS ARE CONTROLLED BY OCCUPANT-SENSING DEVICES.

LIGHTING STANDARD NOTES

1. LIGHT LOSS FACTOR IS 1.0 AS INDICATED ON THE LUMINARY SUMMARY TABLE.

2. HOURS OF LIGHT OPERATION: ALL EXTERIOR LIGHT FIXTURES AND THE POLE SIGN ARE CONTROLLED BY THE SIEMENS ENERGY MANAGEMENT SYSTEM (EMS). THE SIEMENS ENERGY MANAGEMENT SYSTEM (EMS) IS EQUIPPED WITH AN OUTDOOR LIGHT SENSOR (OSD) THAT IS MOUNTED 3'-0" ABOVE THE PACKAGED ROOFTOP UNITS ON THE ROOF.

-- STORE HOURS ARE MON-SAT 7:30 AM TO 9:00 PM AND SUNDAY 9:00 AM TO 7:00 PM.

-- EXTERIOR SIGN LIGHTS ("SL") WILL TURN ON WHEN IT IS DARK ENOUGH OUTSIDE ANYTIME DURING STORE HOURS, AND WILL TURN OFF AT STORE CLOSING.

-- EXTERIOR SITE LIGHTS ("P1," "P2," "WS1," & "WSP") WILL TURN ON WHEN IT IS DARK ENOUGH OUTSIDE AND IT IS WITHIN STORE HOURS OR THERE IS MOTION IN THE STORE. THEY WILL TURN OFF 30 MINUTES AFTER LAST MOTION ONCE THE STORE IS CLOSED.

3. AREA OBJECTIVES: PARKING LOT AND SIDEWALK AREA LIGHTING HAS BEEN DESIGNED FOR THE SAFE ACCESS AND EGRESS OF STORE PATRONS DURING STORE HOURS.

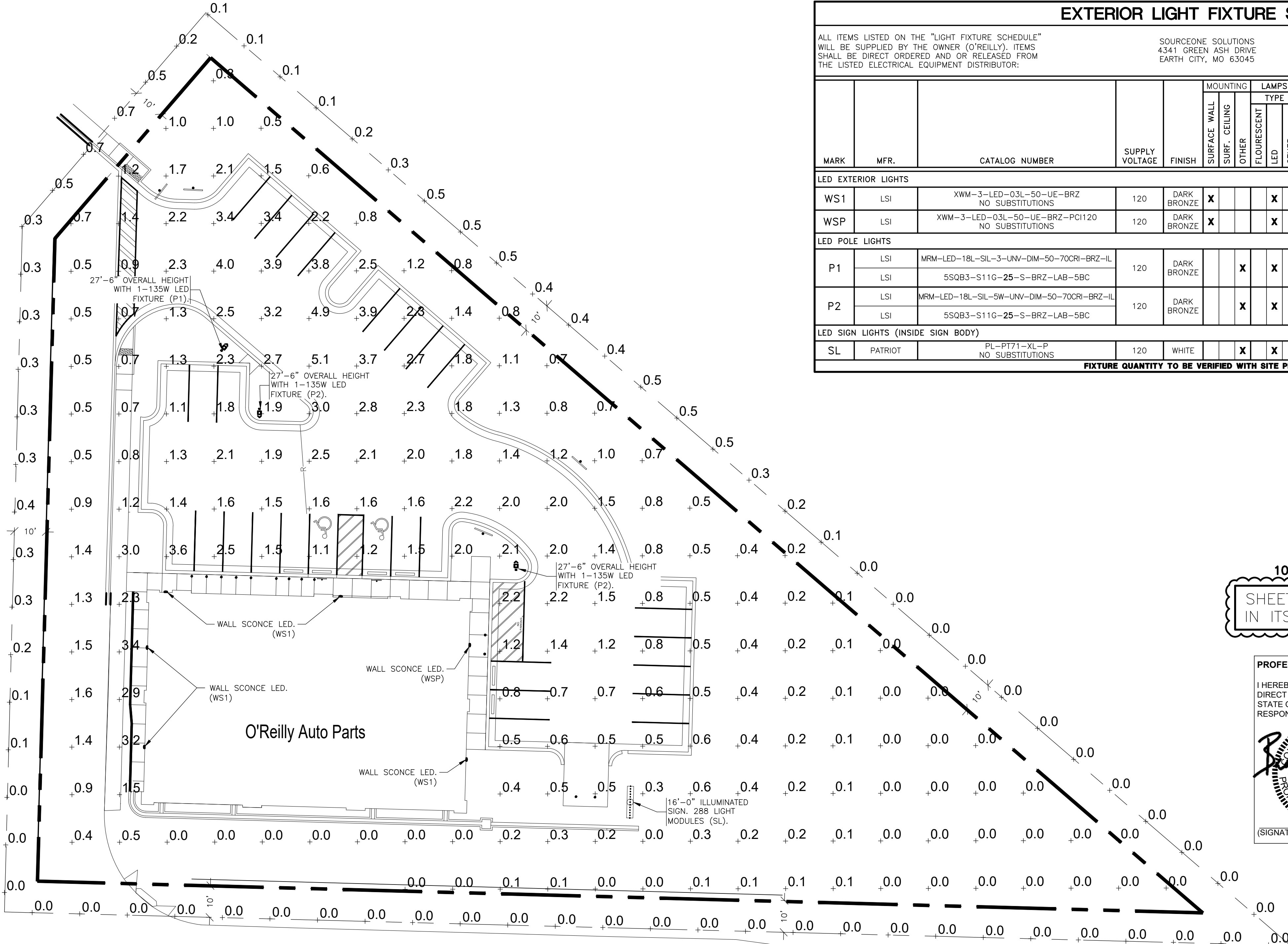
4. MITIGATION EFFORTS: ALL PROPOSED SITE LIGHTING FIXTURES ARE FULL-CUTOFF AND HAVE BEEN ARRANGED TO REDUCE GLARE FOR NEIGHBORING PROPERTIES.

5. EXTERIOR LIGHTING FOR EGRESS TRAVEL HAS BEEN DESIGNED TO COMPLY WITH THE CURRENTLY ADOPTED BUILDING CODE.

6. FORWARD THROW LUMINARIES: FORWARD THROW (TYPE IV DISTRIBUTION) LUMINARIES, POLE-MOUNTED LIGHTS AIMED AT THE BUILDING FACADE, AND UNSHIELDED WALLPACKS ARE PROHIBITED AND HAVE NOT BEEN INCLUDED WITH THE PROPOSED DESIGN.

Site Luminary Summary Table													
Luminaire		Luminaire		Luminaire		Luminaire		Luminaire		Luminaire		Luminaire	
ID/	Symbol	Manufacturer	Model	Catalog Number	Description	Full Cut Off (Y/N)	Distribution	Voltage	Dimming	Mounting	Quantity	Mounting Height	Lamps
WS1	LSI	XWM	XWM-3-LED-03L-50-UE-BRZ	XWM-3-LED-03L-50-UE-BRZ-PC12C	OUTDOOR WALL SCONCE	Y	TYPE 3	120	N/A	SURFACE WALL	5	12'-0"	LED
WSP	LSI	XWM	XWM-3-LED-03L-50-UE-BRZ-PC12C	XWM-3-LED-03L-50-UE-BRZ-PC12C	OUTDOOR WALL SCONCE WITH INTERNAL LOUVER HOUSE SIDE SHIELD	Y	TYPE 3	120	N/A	SURFACE WALL	1	12'-0"	LED
P1	LSI	MRM	MRM-LED-18L-SIL-3-UNV-DIM-50-70CRI-BRZ-IL	MRM-LED-18L-SIL-3-UNV-DIM-50-70CRI-BRZ-IL	OUTDOOR LED AREA LIGHT	Y	TYPE 3	120	N/A	POLE MOUNTED	1	27'-6"	LED
	LSI		SSQB3-S11G-25-S-BRZ-LAB-5BC	SSQB3-S11G-25-S-BRZ-LAB-5BC	OUTDOOR POLE, 25' POLE LENGTH W/ 2.5' CONCRETE BASE				N/A				
P2	LSI	MRM	MRM-LED-18L-SIL-5W-UNV-DIM-50-70CRI-BRZ-IL	MRM-LED-18L-SIL-5W-UNV-DIM-50-70CRI-BRZ-IL	OUTDOOR LED AREA LIGHT	Y	TYPE 5 WIDE	120	N/A	POLE MOUNTED	2	27'-6"	LED
	LSI		SSQB3-S11G-25-S-BRZ-LAB-5BC	SSQB3-S11G-25-S-BRZ-LAB-5BC	OUTDOOR POLE, 25' POLE LENGTH W/ 2.5' CONCRETE BASE				N/A				
SL	PATRIOT	PATRIOT XL	PL-PT71-XL-P	PL-PT71-XL-P	LED SIGN LIGHT (INSIDE SIGN BODY), VERTICAL LED'S @ 10" CENTERS	N		120	N/A	INTERNAL SIGN	288	16'-0"	LED

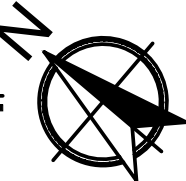
EXTERIOR LIGHT FIXTURE SCHEDULE													
ALL ITEMS LISTED ON THE "LIGHT FIXTURE SCHEDULE" WILL BE SUPPLIED BY THE OWNER (O'REILLY). ITEMS SHALL BE DIRECT ORDERED AND OR RELEASED FROM THE LISTED ELECTRICAL EQUIPMENT DISTRIBUTOR:				SOURCEONE SOLUTIONS 4341 GREEN ASH DRIVE EARTH CITY, MO 63045				SOURCEONE SOLUTIONS O'REILLY TEAM EMAIL: ncoreilly@sourceonesolutions.com PHONE: 314-499-6400					
MARK	MFR.	CATALOG NUMBER	SUPPLY VOLTAGE	FINISH	MOUNTING		LAMPS		WATTAGE	NOTES	FIXTURE QUANTITY		
					SURFACE WALL	SURF. CEILING	OTHER	FLOURESCENT				LED	OTHER
LED EXTERIOR LIGHTS													
WS1	LSI	XWM-3-LED-03L-50-UE-BRZ NO SUBSTITUTIONS	120	DARK BRONZE	X			X	47	FULL CUT-OFF, BUG RATING B1-U0-G1. ARCHITECTURAL ELEVATIONS SHOW DIMENSIONED LOCATIONS.	5		
WSP	LSI	XWM-3-LED-03L-50-UE-BRZ-PC120 NO SUBSTITUTIONS	120	DARK BRONZE	X			X	47	FULL CUT-OFF, BUG RATING B1-U0-G1. ARCHITECTURAL ELEVATIONS SHOW DIMENSIONED LOCATIONS.	1		
LED POLE LIGHTS													
P1	LSI	MRM-LED-18L-SIL-3-UNV-DIM-50-70CRI-BRZ-IL	120	DARK BRONZE			X	X	135	25' POLE LENGTH, ADVANCE BALLASTS, FULL CUT-OFF, NO SUBSTITUTIONS. ANCHOR BOLTS W/HARDWARE & TEMPLATE. WITH INTERNAL LOUVER HOUSE SIDE SHIELD, BUG RATING B2-U0-G3	1		
	LSI	5SQB3-S11G-25-S-BRZ-LAB-SBC											
P2	LSI	MRM-LED-18L-SIL-5W-UNV-DIM-50-70CRI-BRZ-IL	120	DARK BRONZE			X	X	135	25' POLE LENGTH, ADVANCE BALLASTS, FULL CUT-OFF, NO SUBSTITUTIONS. ANCHOR BOLTS W/HARDWARE & TEMPLATE. WITH INTERNAL LOUVER HOUSE SIDE SHIELD, BUG RATING B2-U0-G3	2		
	LSI	5SQB3-S11G-25-S-BRZ-LAB-SBC											
LED SIGN LIGHTS (INSIDE SIGN BODY)													
SL	PATRIOT	PL-PT71-XL-P NO SUBSTITUTIONS	120	WHITE			X	X	-	-	288		
FIXTURE QUANTITY TO BE VERIFIED WITH SITE PLAN QUANTITY													



Calculation Summary		List the Use Area / Zone Type				
Label	Calc Type	Units	Avg	Max	Min	Avg. Max/Min
10' Beyond Propertyline	Directional: Illuminance	Footcandles	0.1 fc	0.7 fc	0 fc	N/A
Overall Site	Directional: Illuminance	Footcandles	1.1 fc	5.1 fc	0 fc	N/A

SITE LIGHTING PHOTOMETRICS

SCALE: 1"=20'



10-17-25
SHEET CHANGED
IN ITS ENTIRETY.



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.

(SIGNATURE AND SEAL HERE) DATE 10-17-25

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



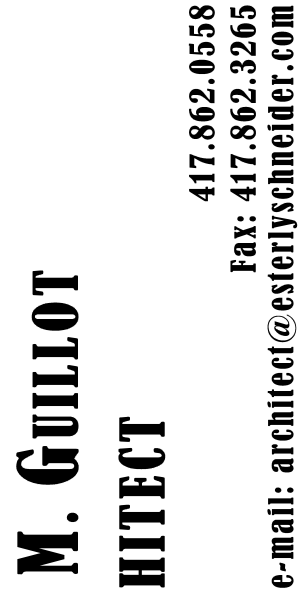
PROJECT:
NEW O'REILLY AUTO PARTS STORE
730 N. RIDGE RD.
CASTLE ROCK, CO #2
SITE LIGHTING PHOTOMETRICS

O'Reilly AUTO PARTS

CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65801
(417) 862-2674 TELEPHONE

COMM #	4880
DATE:	1-31-25
REVISION	02-14-25
DATE:	02-20-25, 04-28-25
	06-10-25, 06-30-25
	08-22-25, 10-17-25

LOT 5, FOUNDERS MARKETPLACE, FILING NO.1, AMENDMENT NO.1
IN THE NORTHWEST QUARTER OF SECTION 7, TOWNSHIP 8 SOUTH,
RANGE 66 WEST OF THE 6TH P.M.
TOWN OF CASTLE ROCK, COUNTY OF DOUGLAS, STATE OF COLORADO
PROJECT NO.SDP25-0005



O'Reilly AUTO PARTS
CORPORATE OFFICES
2333 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

SP2
12 of 18[illegible][illegible]

Mirada Medium Outdoor LED Area Light

Type:

Performance (CONT.)

Luminaire	Distribution	CRI	3000K CCT				4000K CCT				5000K CCT				Wattage
			Delivered Lumens	Efficacy	Beam Footing	Beam Spread	Delivered Lumens	Efficacy	Beam Footing	Beam Spread	Delivered Lumens	Efficacy	Beam Footing	Beam Spread	
1	3	70	44710	120	86-05-03	44710	120	86-05-04	44710	120	86-05-04	44710	120	86-05-04	304
	4		44644	120	86-05-03	44644	120	86-05-05	44644	120	86-05-05	44644	120	86-05-05	
	5W		42055	120	86-05-04	42055	120	86-05-04	42055	120	86-05-04	42055	120	86-05-04	
	FT		41430	120	86-05-05	41430	120	86-05-05	41430	120	86-05-05	41430	120	86-05-05	
	FTA		44320	120	86-05-04	44320	120	86-05-04	44320	120	86-05-04	44320	120	86-05-04	
	AM		44829	127	86-05-03	44829	127	86-05-03	44829	127	86-05-03	44829	127	86-05-03	
2	3	70	40790	122	86-05-04	40790	122	86-05-04	40790	122	86-05-04	40790	122	86-05-04	401
	4		41916	123	86-05-05	41916	123	86-05-05	41916	123	86-05-05	41916	123	86-05-05	
	5W		47030	117	86-05-04	47030	117	86-05-04	47030	117	86-05-04	47030	117	86-05-04	
	FT		48809	122	86-05-03	48809	122	86-05-03	48809	122	86-05-03	48809	122	86-05-03	
	FTA		49021	122	86-05-04	49021	122	86-05-04	49021	122	86-05-04	49021	122	86-05-04	
	AM		49815	124	86-05-03	49815	124	86-05-03	49815	124	86-05-03	49815	124	86-05-03	

AL DATA (AMPS)*						
120V	208V	240V	277V	347V	480V	
0.84	0.23	0.20	0.17	0.14	0.10	
0.63	0.39	0.26	0.22	0.16	0.13	
0.71	0.41	0.26	0.20	0.14	0.10	
1.13	0.50	0.36	0.40	0.30	0.28	
1.47	0.26	0.17	0.24	0.61	0.37	
1.93	1.12	0.97	0.84	0.67	0.48	
2.40	1.38	1.20	1.04	0.83	0.60	
2.86	1.70	1.48	1.26	1.02	0.74	
3.48	1.84	1.74	1.54	1.26	0.84	

AL DATA - PHOSPHOR CONVERTED AMBER (AMPS)*						
Watts	120V	208V	240V	277V	347V	480V
14.5	0.64	0.44	0.34	0.34	0.24	0.24
25.9	0.94	0.54	0.44	0.44	0.34	0.24

*Data at 50°C (77°F). Actual wattage may differ by +/-5%.

ENDED LUMEN MAINTENANCE* (75-ILL)				
Initial*	25W	50W	75W	100W
100%	96%	92%	88%	84%

ENDED LUMEN MAINTENANCE* (24-ILL)				
Initial*	25W	50W	75W	100W
100%	100%	97%	94%	90%

ENDED LUMEN MAINTENANCE* (24-ILL)				
Initial*	25W	50W	75W	100W
100%	100%	97%	94%	90%

ENDED LUMEN MAINTENANCE* (24-ILL)				
Initial*	2			

10-17-25

Circle 300

DEVELOPMENT SERVICES

No document
may be recorded
without signature of
DATE

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

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.

10/17/25

(SIGNATURE AND SEAL HERE)

DATE

CAUTION:

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

Know what's below
Call before you dig

SITE DEVELOPMENT PLAN AMENDMENT NO.2

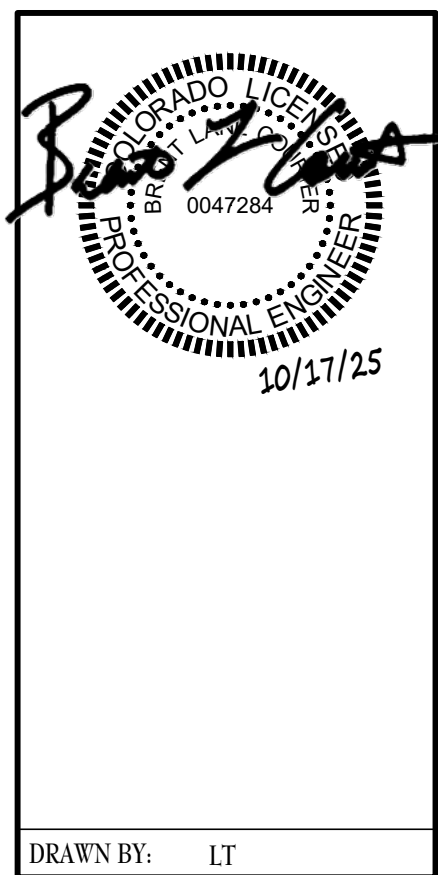
LOT 5, FOUNDERS MARKETPLACE, FILING NO.1, AMENDMENT NO.1

IN THE NORTHWEST QUARTER OF SECTION 7, TOWNSHIP 8 SOUTH,

RANGE 66 WEST OF THE 6TH P.M.

TOWN OF CASTLE ROCK, COUNTY OF DOUGLAS, STATE OF COLORADO

PROJECT NO.SDP25-0005



TIMOTHY M. GUILLOT
ARCHITECT

1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.0558
417.862.3265
e-mail: architect@esterytschneider.com

NEW O'REILLY AUTO PARTS STORE
730 N. RIDGE RD.
CASTLE ROCK, CO #2

SITE LIGHTING DETAILS

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

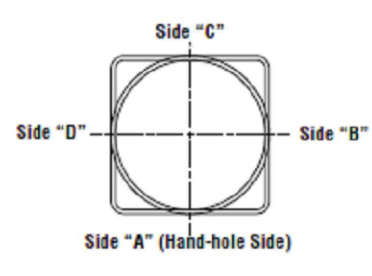
COMM # 4880
DATE: 1-31-25
REVISION DATE: 02-14-25
02-20-25, 04-28-25
06-10-25, 06-30-25
10-17-25

SP3
13 of 18

Steel Poles - Square Straight

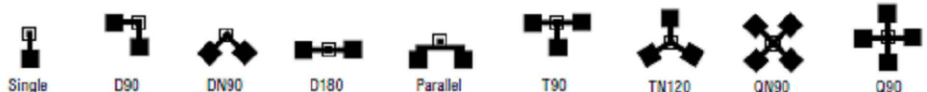
DRILLING LOCATIONS

Sides	A	B	C	D
Single	X			
D180	X	X		X
D90	X		X	
D270	X	X	X	X
T1120				
D90	X	X	X	X
D270	X			
Double D90	X			
Double D180		X		



NOTE:
1- Two locations will be 45° to the left and right of Side A.
2- Other two locations will be 135° to the left and right of Side A.
3- Two locations will be 45° to the left and right of Side B and two locations will be 135° to the left and right of Side B.
Consult factory for custom variations. Standard 50 and 60 pole preparations are located 1/4 of the height of the pole from the base, except on 20' poles. Maximum height for 50' and 60' pole preparations on 20' poles is 13' from the base.

FIXTURE CONFIGURATIONS



BOLT CIRCLE

Bolt Circle Designator	B	C	D	Standard
Bolt Circle	8" (203mm) square 16" (406mm) Dia. Bolt Circle	8" (203mm) square 16" (406mm) Dia. Bolt Circle	8" (203mm) square 16" (406mm) Dia. Bolt Circle	8" (203mm) square 16" (406mm) Dia. Bolt Circle
Anchor Bolt Size	3/8" x 20" (19mm x 508mm)	3/8" x 20" (19mm x 508mm)	3/8" x 20" (19mm x 508mm)	3/8" x 20" (19mm x 508mm)
Anchor Bolt Projection	5-1/2" (140mm)	5-1/2" (140mm)	5-1/2" (140mm)	5-1/2" (140mm)
Base Plate Opening for Windway Entry	5-1/2" (140mm)	5-1/2" (140mm)	5-1/2" (140mm)	5-1/2" (140mm)
Base Plate Dimensions	10-1/8" sq. x 5-1/8" Bk. (267mm x 139mm)	10-1/8" sq. x 5-1/8" Bk. (267mm x 139mm)	10-1/8" sq. x 5-1/8" Bk. (267mm x 139mm)	10-1/8" sq. x 5-1/8" Bk. (267mm x 139mm)
Pole Gauge	11	11	7	7

Note: Base plate illustrations may change without notice. Do not rely on selling anchor bolts. Consult factory for the appropriate anchor bolt template.

Steel Poles - Square Straight

ORDERING GUIDE

TYPICAL ORDER EXAMPLE: 45Q B3 S11G 24 S PLP DGP

Pole Series		Material	Material	Height	Monopole Configuration	Pole Series	Options
45Q - 4" x 4" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	45Q - 4" x 4" Square Straight Pole	45Q - 4" x 4" Square Straight Pole
60Q - 6" x 6" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	60Q - 6" x 6" Square Straight Pole	60Q - 6" x 6" Square Straight Pole
80Q - 8" x 8" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	80Q - 8" x 8" Square Straight Pole	80Q - 8" x 8" Square Straight Pole
100Q - 10" x 10" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	100Q - 10" x 10" Square Straight Pole	100Q - 10" x 10" Square Straight Pole
120Q - 12" x 12" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	120Q - 12" x 12" Square Straight Pole	120Q - 12" x 12" Square Straight Pole
150Q - 15" x 15" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	150Q - 15" x 15" Square Straight Pole	150Q - 15" x 15" Square Straight Pole
200Q - 20" x 20" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	200Q - 20" x 20" Square Straight Pole	200Q - 20" x 20" Square Straight Pole
240Q - 24" x 24" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	240Q - 24" x 24" Square Straight Pole	240Q - 24" x 24" Square Straight Pole
300Q - 30" x 30" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	300Q - 30" x 30" Square Straight Pole	300Q - 30" x 30" Square Straight Pole
360Q - 36" x 36" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	360Q - 36" x 36" Square Straight Pole	360Q - 36" x 36" Square Straight Pole
420Q - 42" x 42" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	420Q - 42" x 42" Square Straight Pole	420Q - 42" x 42" Square Straight Pole
480Q - 48" x 48" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	480Q - 48" x 48" Square Straight Pole	480Q - 48" x 48" Square Straight Pole
540Q - 54" x 54" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	540Q - 54" x 54" Square Straight Pole	540Q - 54" x 54" Square Straight Pole
600Q - 60" x 60" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	600Q - 60" x 60" Square Straight Pole	600Q - 60" x 60" Square Straight Pole
660Q - 66" x 66" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	660Q - 66" x 66" Square Straight Pole	660Q - 66" x 66" Square Straight Pole
720Q - 72" x 72" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	720Q - 72" x 72" Square Straight Pole	720Q - 72" x 72" Square Straight Pole
780Q - 78" x 78" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	780Q - 78" x 78" Square Straight Pole	780Q - 78" x 78" Square Straight Pole
840Q - 84" x 84" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	840Q - 84" x 84" Square Straight Pole	840Q - 84" x 84" Square Straight Pole
900Q - 90" x 90" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	900Q - 90" x 90" Square Straight Pole	900Q - 90" x 90" Square Straight Pole
960Q - 96" x 96" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	960Q - 96" x 96" Square Straight Pole	960Q - 96" x 96" Square Straight Pole
1020Q - 102" x 102" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	1020Q - 102" x 102" Square Straight Pole	1020Q - 102" x 102" Square Straight Pole
1080Q - 108" x 108" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	1080Q - 108" x 108" Square Straight Pole	1080Q - 108" x 108" Square Straight Pole
1140Q - 114" x 114" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	1140Q - 114" x 114" Square Straight Pole	1140Q - 114" x 114" Square Straight Pole
1200Q - 120" x 120" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	1200Q - 120" x 120" Square Straight Pole	1200Q - 120" x 120" Square Straight Pole
1260Q - 126" x 126" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	1260Q - 126" x 126" Square Straight Pole	1260Q - 126" x 126" Square Straight Pole
1320Q - 132" x 132" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	1320Q - 132" x 132" Square Straight Pole	1320Q - 132" x 132" Square Straight Pole
1380Q - 138" x 138" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	1380Q - 138" x 138" Square Straight Pole	1380Q - 138" x 138" Square Straight Pole
1440Q - 144" x 144" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	1440Q - 144" x 144" Square Straight Pole	1440Q - 144" x 144" Square Straight Pole
1500Q - 150" x 150" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	1500Q - 150" x 150" Square Straight Pole	1500Q - 150" x 150" Square Straight Pole
1560Q - 156" x 156" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	1560Q - 156" x 156" Square Straight Pole	1560Q - 156" x 156" Square Straight Pole
1620Q - 162" x 162" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	1620Q - 162" x 162" Square Straight Pole	1620Q - 162" x 162" Square Straight Pole
1680Q - 168" x 168" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	1680Q - 168" x 168" Square Straight Pole	1680Q - 168" x 168" Square Straight Pole
1740Q - 174" x 174" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	1740Q - 174" x 174" Square Straight Pole	1740Q - 174" x 174" Square Straight Pole
1800Q - 180" x 180" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	1800Q - 180" x 180" Square Straight Pole	1800Q - 180" x 180" Square Straight Pole
1860Q - 186" x 186" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	1860Q - 186" x 186" Square Straight Pole	1860Q - 186" x 186" Square Straight Pole
1920Q - 192" x 192" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	1920Q - 192" x 192" Square Straight Pole	1920Q - 192" x 192" Square Straight Pole
1980Q - 198" x 198" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	1980Q - 198" x 198" Square Straight Pole	1980Q - 198" x 198" Square Straight Pole
2040Q - 204" x 204" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	2040Q - 204" x 204" Square Straight Pole	2040Q - 204" x 204" Square Straight Pole
2100Q - 210" x 210" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	2100Q - 210" x 210" Square Straight Pole	2100Q - 210" x 210" Square Straight Pole
2160Q - 216" x 216" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	2160Q - 216" x 216" Square Straight Pole	2160Q - 216" x 216" Square Straight Pole
2220Q - 222" x 222" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	2220Q - 222" x 222" Square Straight Pole	2220Q - 222" x 222" Square Straight Pole
2280Q - 228" x 228" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	2280Q - 228" x 228" Square Straight Pole	2280Q - 228" x 228" Square Straight Pole
2340Q - 234" x 234" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	2340Q - 234" x 234" Square Straight Pole	2340Q - 234" x 234" Square Straight Pole
2400Q - 240" x 240" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	2400Q - 240" x 240" Square Straight Pole	2400Q - 240" x 240" Square Straight Pole
2460Q - 246" x 246" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	2460Q - 246" x 246" Square Straight Pole	2460Q - 246" x 246" Square Straight Pole
2520Q - 252" x 252" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	2520Q - 252" x 252" Square Straight Pole	2520Q - 252" x 252" Square Straight Pole
2580Q - 258" x 258" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	2580Q - 258" x 258" Square Straight Pole	2580Q - 258" x 258" Square Straight Pole
2640Q - 264" x 264" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	2640Q - 264" x 264" Square Straight Pole	2640Q - 264" x 264" Square Straight Pole
2700Q - 270" x 270" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	2700Q - 270" x 270" Square Straight Pole	2700Q - 270" x 270" Square Straight Pole
2760Q - 276" x 276" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	2760Q - 276" x 276" Square Straight Pole	2760Q - 276" x 276" Square Straight Pole
2820Q - 282" x 282" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	2820Q - 282" x 282" Square Straight Pole	2820Q - 282" x 282" Square Straight Pole
2880Q - 288" x 288" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	2880Q - 288" x 288" Square Straight Pole	2880Q - 288" x 288" Square Straight Pole
2940Q - 294" x 294" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	2940Q - 294" x 294" Square Straight Pole	2940Q - 294" x 294" Square Straight Pole
3000Q - 300" x 300" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	3000Q - 300" x 300" Square Straight Pole	3000Q - 300" x 300" Square Straight Pole
3060Q - 306" x 306" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	3060Q - 306" x 306" Square Straight Pole	3060Q - 306" x 306" Square Straight Pole
3120Q - 312" x 312" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	3120Q - 312" x 312" Square Straight Pole	3120Q - 312" x 312" Square Straight Pole
3180Q - 318" x 318" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	3180Q - 318" x 318" Square Straight Pole	3180Q - 318" x 318" Square Straight Pole
3240Q - 324" x 324" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	3240Q - 324" x 324" Square Straight Pole	3240Q - 324" x 324" Square Straight Pole
3300Q - 330" x 330" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	3300Q - 330" x 330" Square Straight Pole	3300Q - 330" x 330" Square Straight Pole
3360Q - 336" x 336" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	3360Q - 336" x 336" Square Straight Pole	3360Q - 336" x 336" Square Straight Pole
3420Q - 342" x 342" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	3420Q - 342" x 342" Square Straight Pole	3420Q - 342" x 342" Square Straight Pole
3480Q - 348" x 348" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	3480Q - 348" x 348" Square Straight Pole	3480Q - 348" x 348" Square Straight Pole
3540Q - 354" x 354" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	3540Q - 354" x 354" Square Straight Pole	3540Q - 354" x 354" Square Straight Pole
3600Q - 360" x 360" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	3600Q - 360" x 360" Square Straight Pole	3600Q - 360" x 360" Square Straight Pole
3660Q - 366" x 366" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	3660Q - 366" x 366" Square Straight Pole	3660Q - 366" x 366" Square Straight Pole
3720Q - 372" x 372" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	3720Q - 372" x 372" Square Straight Pole	3720Q - 372" x 372" Square Straight Pole
3780Q - 378" x 378" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	3780Q - 378" x 378" Square Straight Pole	3780Q - 378" x 378" Square Straight Pole
3840Q - 384" x 384" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	3840Q - 384" x 384" Square Straight Pole	3840Q - 384" x 384" Square Straight Pole
3900Q - 390" x 390" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	3900Q - 390" x 390" Square Straight Pole	3900Q - 390" x 390" Square Straight Pole
3960Q - 396" x 396" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	3960Q - 396" x 396" Square Straight Pole	3960Q - 396" x 396" Square Straight Pole
4020Q - 402" x 402" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	4020Q - 402" x 402" Square Straight Pole	4020Q - 402" x 402" Square Straight Pole
4080Q - 408" x 408" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	4080Q - 408" x 408" Square Straight Pole	4080Q - 408" x 408" Square Straight Pole
4140Q - 414" x 414" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	4140Q - 414" x 414" Square Straight Pole	4140Q - 414" x 414" Square Straight Pole
4200Q - 420" x 420" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	4200Q - 420" x 420" Square Straight Pole	4200Q - 420" x 420" Square Straight Pole
4260Q - 426" x 426" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	4260Q - 426" x 426" Square Straight Pole	4260Q - 426" x 426" Square Straight Pole
4320Q - 432" x 432" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	4320Q - 432" x 432" Square Straight Pole	4320Q - 432" x 432" Square Straight Pole
4380Q - 438" x 438" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	4380Q - 438" x 438" Square Straight Pole	4380Q - 438" x 438" Square Straight Pole
4440Q - 444" x 444" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	4440Q - 444" x 444" Square Straight Pole	4440Q - 444" x 444" Square Straight Pole
4500Q - 450" x 450" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	4500Q - 450" x 450" Square Straight Pole	4500Q - 450" x 450" Square Straight Pole
4560Q - 456" x 456" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	4560Q - 456" x 456" Square Straight Pole	4560Q - 456" x 456" Square Straight Pole
4620Q - 462" x 462" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	4620Q - 462" x 462" Square Straight Pole	4620Q - 462" x 462" Square Straight Pole
4680Q - 468" x 468" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	4680Q - 468" x 468" Square Straight Pole	4680Q - 468" x 468" Square Straight Pole
4740Q - 474" x 474" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	4740Q - 474" x 474" Square Straight Pole	4740Q - 474" x 474" Square Straight Pole
4800Q - 480" x 480" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	4800Q - 480" x 480" Square Straight Pole	4800Q - 480" x 480" Square Straight Pole
4860Q - 486" x 486" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	4860Q - 486" x 486" Square Straight Pole	4860Q - 486" x 486" Square Straight Pole
4920Q - 492" x 492" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	4920Q - 492" x 492" Square Straight Pole	4920Q - 492" x 492" Square Straight Pole
4980Q - 498" x 498" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	4980Q - 498" x 498" Square Straight Pole	4980Q - 498" x 498" Square Straight Pole
5040Q - 504" x 504" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	5040Q - 504" x 504" Square Straight Pole	5040Q - 504" x 504" Square Straight Pole
5100Q - 510" x 510" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	5100Q - 510" x 510" Square Straight Pole	5100Q - 510" x 510" Square Straight Pole
5160Q - 516" x 516" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	5160Q - 516" x 516" Square Straight Pole	5160Q - 516" x 516" Square Straight Pole
5220Q - 522" x 522" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	5220Q - 522" x 522" Square Straight Pole	5220Q - 522" x 522" Square Straight Pole
5280Q - 528" x 528" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	5280Q - 528" x 528" Square Straight Pole	5280Q - 528" x 528" Square Straight Pole
5340Q - 534" x 534" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	5340Q - 534" x 534" Square Straight Pole	5340Q - 534" x 534" Square Straight Pole
5400Q - 540" x 540" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	5400Q - 540" x 540" Square Straight Pole	5400Q - 540" x 540" Square Straight Pole
5460Q - 546" x 546" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	5460Q - 546" x 546" Square Straight Pole	5460Q - 546" x 546" Square Straight Pole
5520Q - 552" x 552" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel	10' - 30'	Galvalume Steel	5520Q - 552" x 552" Square Straight Pole	5520Q - 552" x 552" Square Straight Pole
5580Q - 558" x 558" Square Straight Pole	10' - 30'	Galvalume Steel	Galvalume Steel				

S:\projects\2025\25004_oreilly_castle_rock_co\CAD\sheela\25004_landscape.dwg plotted by: abrown on Wed, November 5 2025 at 09:31 AM

TOWN APPROVAL BLOCK

TOWN OF CASTLE ROCK APPROVAL.

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

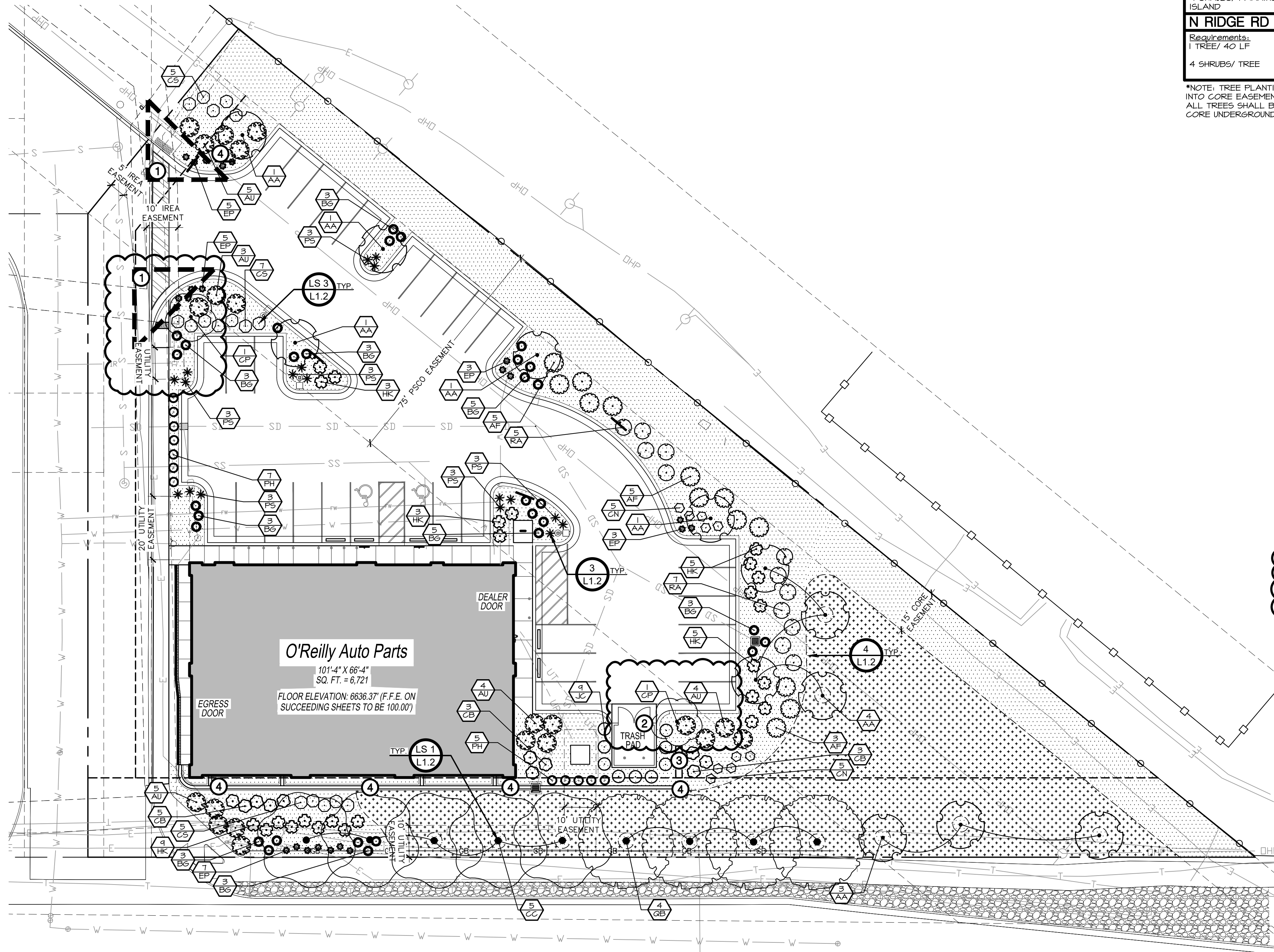


DEVELOPMENT SERVICES

DATE

LANDSCAPE STANDARD NOTES:

1. INSTALLING CONTRACTOR SHALL CONTACT CASTLE ROCK WATER AT 720.739.6017 TO SCHEDULE A PRE-CONSTRUCTION MEETING BEFORE BEGINNING THE INSTALLATION OF THE LANDSCAPING.
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 SOIL INSPECTION SHOULD BE DISCUSSED AT THE DSCAPE PRECONSTRUCTION MEETING.
4. INSTALLING CONTRACTOR IS TO PROVIDE SUBMITTAL FROM SUPPLIERS FOR ALL NATIVE SEED MIXES AND SPECIES AFTER REVIEW.
5. SOIL AMENDMENT SHALL BE A MINIMUM OF FOUR (4) CUBIC YARDS OF ORGANIC MATTER PER ONE-THOUSAND SQUARE FEET. THIS SOIL ENDMENT SHALL BE ROTOTILLED TO A DEPTH OF SIX (6) INCHES. APPROVED ORGANIC COMPOST IS REQUIRED.
6. ALL LARGE SHRUBS AND PERENNIALS SHALL BE NO. 1 PERMITTED IN WATER, SANITARY AND STORM SEWER UTILITY EASEMENTS.
7. ALL LANDSCAPE IS TO BE INSTALLED PER TOWN OF CASTLE ROCK PLANTING DETAILS.
8. PLANT SPECIES AND LOCATION SHOULD FOLLOW THE APPROVED PLAN. IF SITE CONDITIONS OR PLANT AVAILABILITY REQUIRE CHANGES TO E PLAN, THE CONTRACTOR MUST OBTAIN APPROVAL FROM THE TOWN OF CASTLE ROCK AND THE OWNER'S REPRESENTATIVE.
9. TOWN OF CASTLE ROCK IS NOT RESPONSIBLE FOR REPLACING LANDSCAPE OR IRRIGATION REMOVED IN UTILITY EASEMENTS DUE TO ILITY LINE MAINTENANCE OR REPAIR (PWR 14.3.13).
10. TOWN PERMIT AND TOWN APPROVED LANDSCAPE PLANS ARE REQUIRED ON SITE DURING INSTALLATION OF THE LANDSCAPE AND TION.
11. TOWN INSPECTORS WILL NOT APPROVE LANDSCAPE AND OVERHEAD IRRIGATION ON SLOPES STEEPER THAN 3:1.
12. OVERHEAD IRRIGATION IS NOT PERMITTED ON SLOPES EQUAL TO 3:1 OR IN AREAS LESS THAN 10' IN WIDTH.



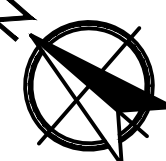
N RIDGE RD

1 LANDSCAPE PLAN

L1.1 SCALE: 1" = 20'-0"



GRAPHIC SCALE - FEET

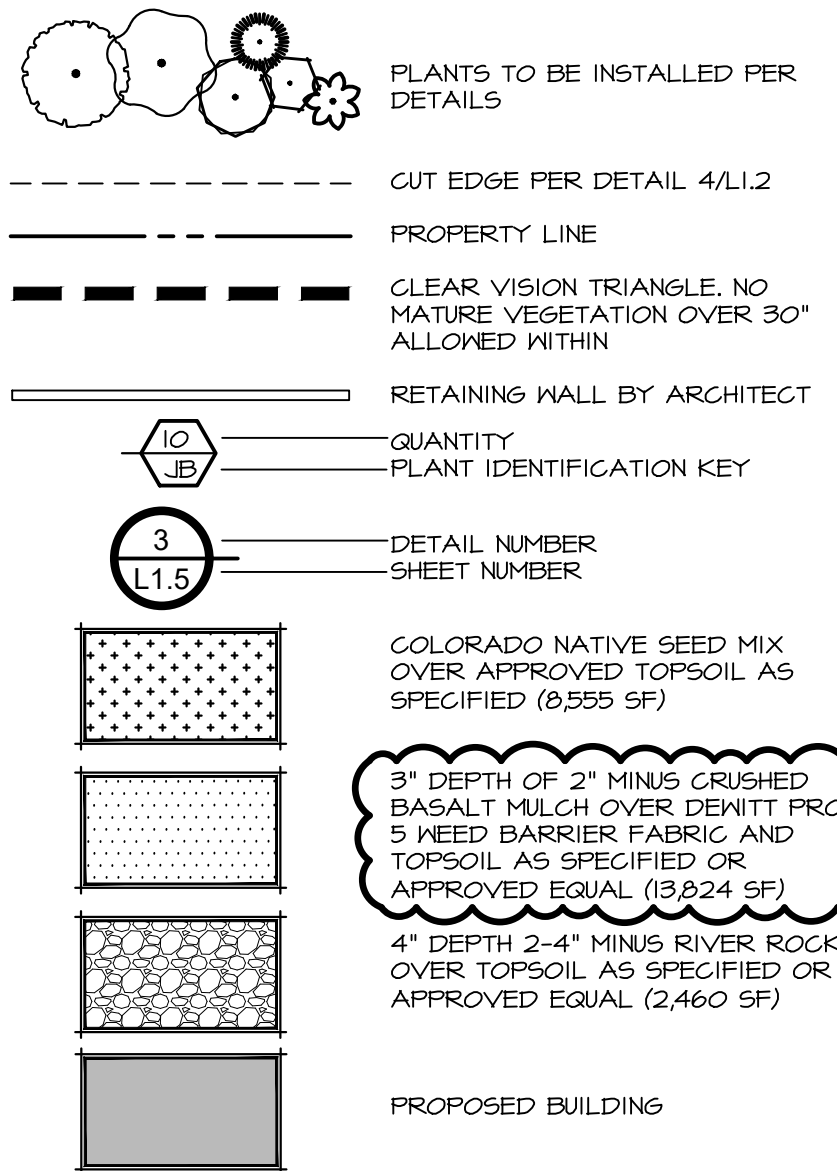


LANDSCAPE REQUIREMENTS

PARKING LOT		
Requirements:	REQUIRED	PROVIDED
2 TREES/ 1,000 SF LANDSCAPED AREA AND 1 TREE/ PARKING ISLAND	6 TREES	0 TREES*
4 SHRUBS/ 1,000 SF OF LANDSCAPED AREA AND 4 SHRUBS/ PARKING ISLAND	16 SHRUBS	16 SHRUBS
N RIDGE RD - 340 LF		
Requirements:	REQUIRED	PROVIDED
1 TREE/ 40 LF	4 TREES	4 TREES*
4 SHRUBS/ TREE	36 SHRUBS	36 SHRUBS

*NOTE: TREE PLANTINGS AND IRRIGATION LINES MAY NOT ENCR OACH INTO CORE EASEMENT. LARGE SHRUBS ARE USED INSTEAD OF TREES. ALL TREES SHALL BE PLANTED A MINIMUM OF 3' FROM EXISTING CORE UNDERGROUND FACILITIES.

LANDSCAPE LEGEND



CALLOUT LEGEND

- 1 CLEAR VISION TRIANGLE. NO MATURE VEGETATION OVER 30' ALLOWED WITHIN
- 2 TRASH ENCLOSURE
- 3 SITE SIGN
- 4 STORM WATER STRUCTURE. SEE CIVIL PLANS FOR ADDITIONAL INFORMATION AND REQUIREMENTS

PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
DECIDUOUS SHADE TREES						
	CC	5	Corylus colurna	Turkish Filbert	2" Cal. B4B	50' x 35' W
	QB	4	Quercus bicolor	Swamp White Oak	2" Cal. B4B	50' x 35' W
FLOWERING ORNAMENTAL TREES						
	CP	2	Crataegus phaenopyrum	Washington Hawthorn	2" Cal. B4B	20' x 15' W
SHRUBS, PERENNIALS, & ORNAMENTAL GRASSES						
	AA	12	Amelanchier alnifolia	Saskatoon Serviceberry	5 gal.	15' x 15' W
	AU	21	Arctostaphylos uva-ursi	Kinnikinnick	5 gal.	1' x 6' W
	AF	13	Artemisia filifolia	Sand Sagebrush	5 gal.	5' x 6' W
	BG	31	Bouteloua gracilis 'Blonde Ambition'	Blonde Ambition Blue Grama	1 gal.	3' x 3' W
	CB	11	Caryopteris x clandonensis 'Blue Mist'	Blue Mist Bluebeard	5 gal.	4' x 4' W
	CN	10	Chrysothamnus nauseosus 'Dwarf Blue'	Dwarf Blue Rabbitbrush	5 gal.	3' x 3' W
	CS	17	Cytisus scoparius 'Moonlight'	Moonlight Scotch Broom	5 gal.	5' x 4' W
	EP	23	Echinacea purpurea 'Alba'	White Coneflower	1 gal.	3' x 2' W
	HK	25	Hypericum kalmianum	Kalm St. Johnswort	5 gal.	2' x 4' W
	JC	9	Juniperus chinensis 'Spartan'	Spartan Juniper	5 gal.	15' x 4' W
	PH	12	Panicum virgatum 'Heavy Metal'	Heavy Metal Switch Grass	1 gal.	5' x 3' W
	PS	16	Penstemon strictus	Rocky Mountain Penstemon	1 gal.	3' x 3' W
	RA	12	Ribes aureum	Golden Currant	5 gal.	6' x 5' W



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

TIMOTHY M. GUILLOT
ARCHITECT

1736 East Sunshine, Suite 417
Springfield, Missouri 65804

417.862.0558
Fax: 417.862.3265
e-mail: architect@esteryschneider.com

PROJECT:
NEW O'REILLY AUTO PARTS STORE
730 N. RIDGE RD.
CASTLE ROCK, CO #2

LANDSCAPE PLAN

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

COMM # 4880
DATE: 1-31-2025
REVISION
DATE: 6-10-2025

7-11-2025
8-1-2025
10-13-2025

11-5-2025

L1.1
14 of 18

S:\projects\2025\25004 o'reilly castle rock co\CAD\sheeta\25004_landscape.dwg plotted by: abrown on Wed, November 5 2025 at 09:31 A.M.

TOWN APPROVAL BLOCK

TOWN OF CASTLE ROCK APPROVAL.

PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM

DATE OF DEVELOPMENT SERVICES APPROVAL.



DEVELOPMENT SERVICES

DATE

LANDSCAPE NOTES:

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

LANDSCAPE AREA

PREPARATION NOTES:

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

SEED AREA PREPARATION

NOTES:

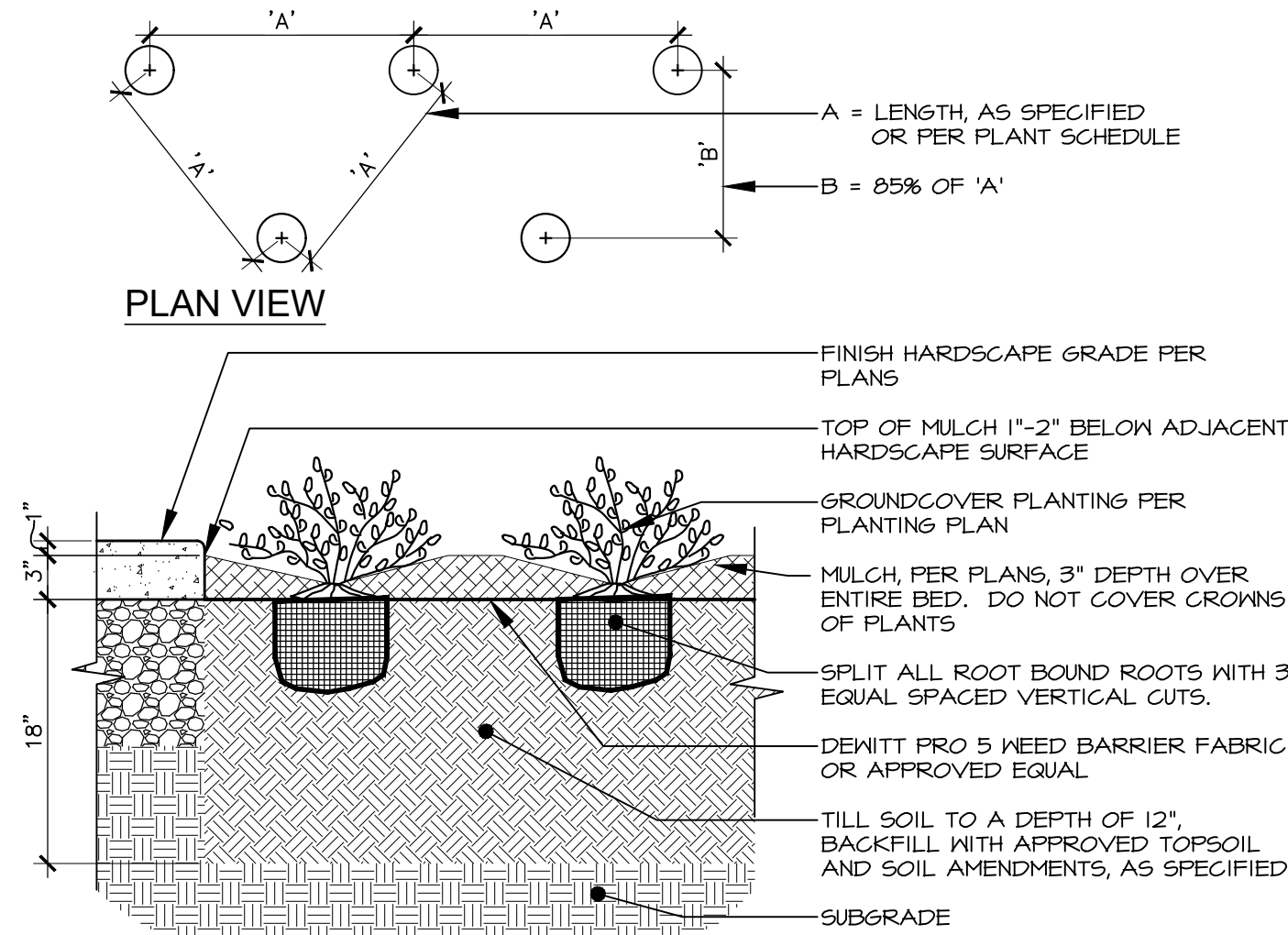
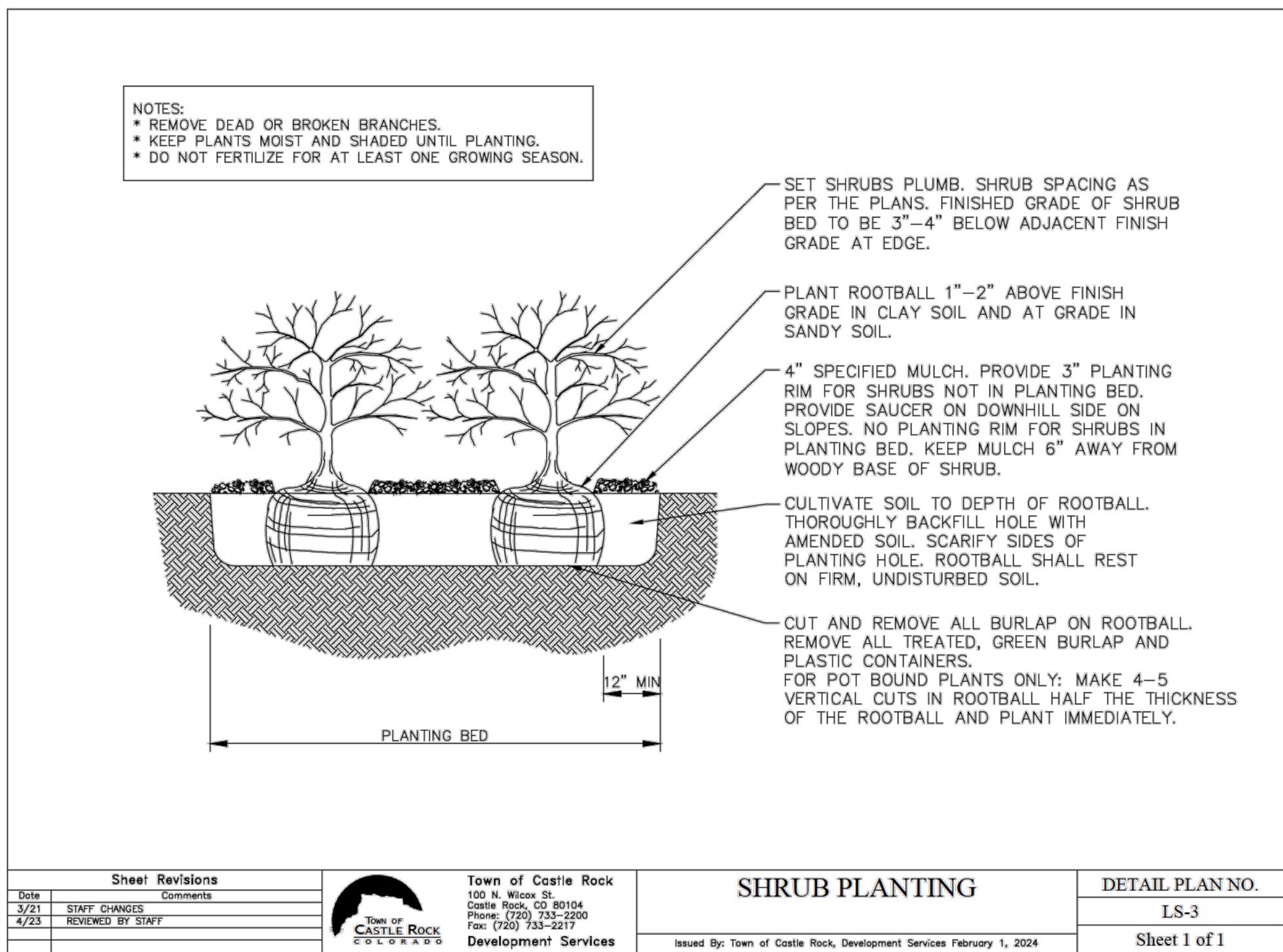
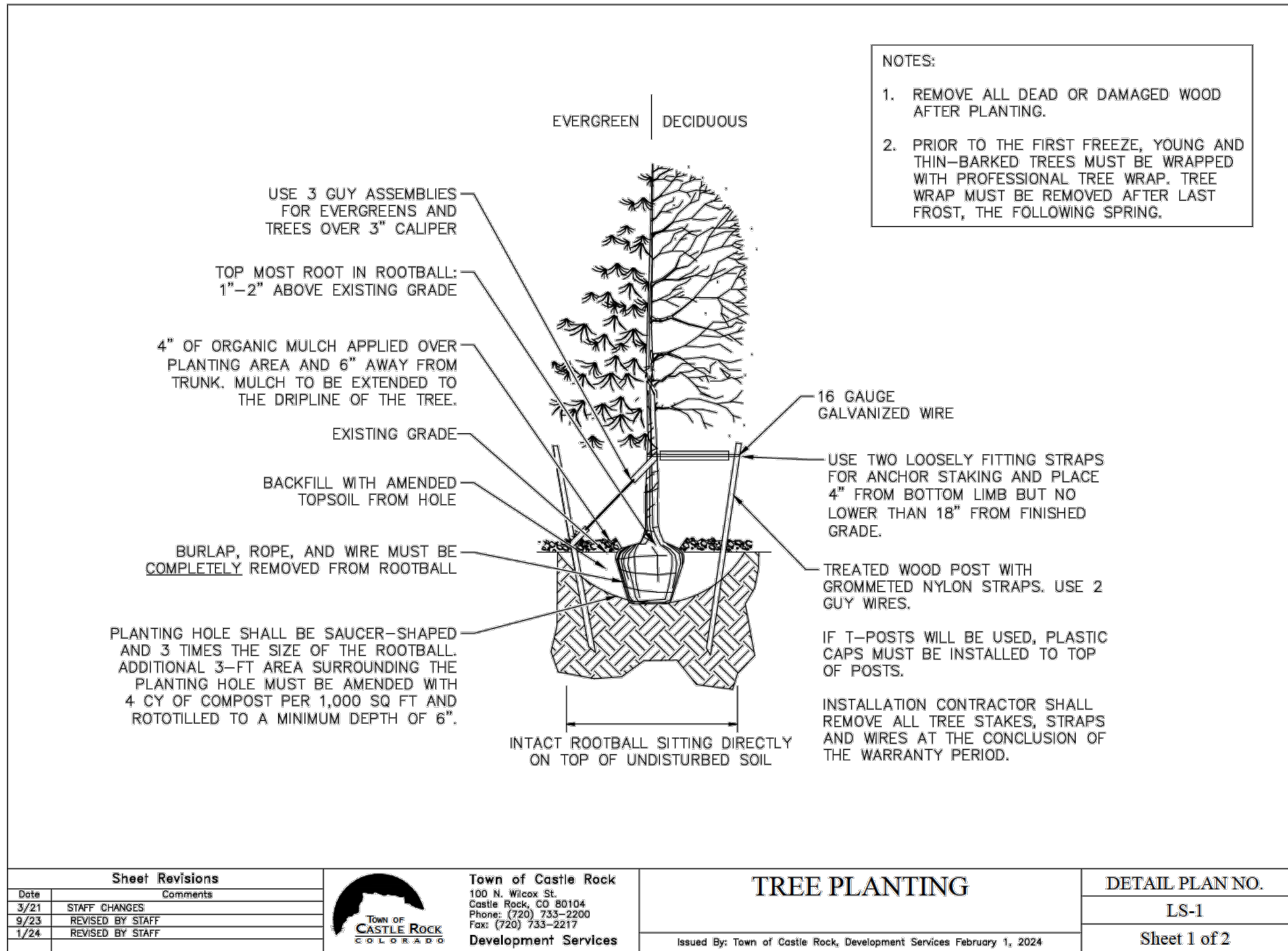
- LIMIT TURF SUBGRADE PREPARATION TO AREAS TO BE PLANTED. NEWLY GRADED SUBGRADES: LOOSEN SUBGRADE TO A MINIMUM DEPTH OF 4 INCHES. REMOVE STONES LARGER THAN 1 INCH IN ANY DIMENSION AND STICKS, ROOTS, RUBBISH, AND OTHER EXTRANEOUS MATTER AND LEGALLY DISPOSE OF THEM OFF OWNER'S PROPERTY.
 - SPREAD PLANTING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

TOPSOIL NOTES

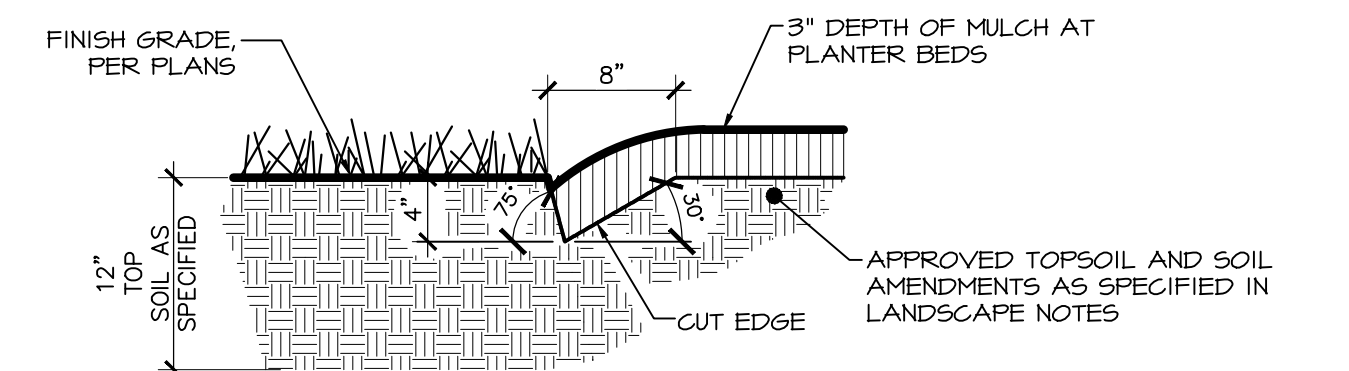
- TOPSOIL REQUIREMENTS: ASTM D 5268, PH RANGE OF 5.5 TO 7.0, FOUR PERCENT ORGANIC MATERIAL MINIMUM, FREE OF STONES 1/2 INCH OR LARGER IN ANY DIMENSION, AND OTHER EXTRANEOUS MATERIALS HARMFUL TO PLANT GROWTH.
- TOPSOIL SOURCE: STRIP EXISTING TOPSOIL FROM ALL AREAS OF THE SITE TO BE DISTURBED. TOPSOIL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

WEED ABATEMENT NOTES:

- ALL AREAS TO BE PLANTED OR HYDROSEEDING SHALL HAVE WEED ABATEMENT OPERATIONS PERFORMED ON THEM PRIOR TO PLANTING OR HYDROSEEDING.
- CONTRACTOR SHALL SPRAY ALL EXPOSED WEEDS WITH 0.60ND-UPA (CONTACT HERBICIDE) OR APPROVED EQUAL.
- DO NOT WATER FOR AT LEAST SEVEN (7) DAYS. REMOVE EXPOSED WEEDS FROM THE SITE.
- CONTRACTOR SHALL OPERATE THE AUTOMATIC IRRIGATION SYSTEM FOR A PERIOD OF FOURTEEN (14) DAYS. AT CONCLUSION OF THIS WATERING PERIOD, DISCONTINUE WATERING FOR THREE TO FIVE (3-5) DAYS.
- APPLY SECOND APPLICATION OF 0.60ND-UPA TO ALL EXPOSED WEEDS. APPLY IN STRICT CONFORMANCE WITH MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS. DO NOT WATER FOR AT LEAST SEVEN (7) DAYS. REMOVE WEEDS FROM THE SITE.
- IF ANY EVIDENCE OF WEED GERMINATION EXISTS AFTER TWO (2) APPLICATIONS, CONTRACTOR SHALL BE DIRECTED TO PERFORM A THIRD APPLICATION.
- AT THE TIME OF PLANTING AND HYDROSEEDING, ALL PLANTING AREAS SHALL BE WEED FREE.

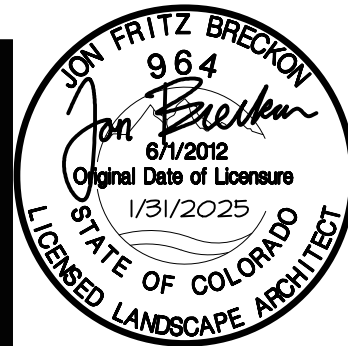


PERENNIAL & GROUND COVER PLANTING



PLANTER BED CUT EDGE

(TYPICAL AT TREES IN TURF AREAS)



TIMOTHY M. GUILLOT
ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.0558
Fax: 417.862.3265
e-mail: arthitcd@estertyschneider.com

PROJECT:
NEW O'REILLY AUTO PARTS STORE
730 N. RIDGE RD.
CASTLE ROCK, CO #2
LANDSCAPE DETAILS

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

COMM # 4880
DATE: 1-31-2025
REVISION DATE: 8-1-2025
11-5-2025

L1.2
15 of 18

IRRIGATION NOTES

- SYSTEM DESIGN BASED ON THE ASSUMPTION OF THE AVAILABILITY OF 14 G.P.M. WITH 10 P.S.I. AT THE SOURCE AND 45 P.S.I. AT THE HEADS.
- ALL LATERAL LINES THAT ARE NOT LABELED SHALL BE 3/4" DIAMETER.
- CONTRACTOR TO VERIFY LOCATION OF ALL UTILITIES PRIOR TO INITIATION OF ANY DEMOLITION OR CONSTRUCTION OPERATIONS. ANY DAMAGE TO EXISTING UTILITIES SHALL BE CONTRACTOR'S RESPONSIBILITY.
- COORDINATE ALL IRRIGATION INSTALLATION OPERATIONS WITH CIVIL, MECHANICAL, AND ELECTRICAL ENGINEERING SHEETS.
- CONTRACTOR SHALL COORDINATE INSTALLATION OF IRRIGATION CONDUIT AND SLEEVES UNDER SURFACES WITH RESPECTIVE CONTRACTORS.
- ALL SLEEVES SHALL BE INSTALLED AS PART OF IRRIGATION CONTRACT. APPROXIMATE LOCATION OF SLEEVES ARE SHOWN ON THE IRRIGATION PLAN. FIELD VERIFY LOCATION. ALL ENDS OF SLEEVES SHALL BE TAFED OR CAPPED AND MARKED WITH A 2" X 4" PAINTED STAKE EXTENDING TO 24" ABOVE GRADE. STAKES SHALL NOT BE REMOVED UNTIL THE IRRIGATION SYSTEM IS COMPLETE. ALL SLEEVES SHALL EXTEND A MINIMUM OF 18" BEYOND BACK OF CURB OR EDGE OF PAVEMENT. PROVIDE COMPACTED BACKFILL AS NECESSARY AT HARD SURFACE LOCATIONS.
- CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND FEES REQUIRED FOR THIS WORK.
- IRRIGATION CONTROLLER(S) ARE TO BE LOCATED AS SHOWN ON THE PLAN. CONTROLLERS SHALL BE WIRED TO POWER SUPPLY BY A LICENSED ELECTRICIAN PER LOCAL CODES. IRRIGATION CONTRACTOR TO PROVIDE ALL REQUIRED CONNECTIONS TO 24 VOLT IRRIGATION CONTROL WIRE INSIDE THE BUILDING THROUGH APPROPRIATE SIZED CONDUIT.
- ALL HEADS ARE TO BE 12" POP-UP IN SEED AREAS. IRRIGATED AREAS CONTAINING VEGETATION WHICH POTENTIALLY MAY IMPEDE PERFORMANCE OF A 4" POP-UP SPRINKLER ARE TO BE REPLACED WITH A 12" HIGH POP-UP SPRINKLER. TEMPORARY IRRIGATION SHALL BE REMOVED IN ALL NATIVE SEED AREAS AFTER TURF IS ESTABLISHED.
- ALL ELECTRICAL WORK TO MEET OR EXCEED N.E.C., STATE CODES, LOCAL CODES, AND MANUFACTURER'S RECOMMENDATIONS.
- CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ROCK AND DEBRIS BROUGHT TO THE SURFACE AS A RESULT OF TRENCHING OPERATIONS.
- CONTRACTOR SHALL REFER TO TOWN OF CASTLE ROCK SPECIFICATIONS AND DETAIL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- ALL 24 VOLT POWER WIRES SHALL BE #14 AWG SOLID COPPER. ALL ABOVE GROUND 120 VOLT AND 24 VOLT WIRE SHALL BE IN PVC CONDUIT. ALL 24 VOLT CONTROL WIRES SHALL BE LOCATED IN A 3/4" CONDUIT.
- INSTALLATION SHALL COMPLY WITH ALL NATIONAL, STATE, AND LOCAL LAWS AND ORDINANCES.
- IRRIGATION CONTRACTOR SHALL PROVIDE A COMPLETE AS-BUILT DRAWING IN PDF FORMAT UPON COMPLETION OF INSTALLATION AND PRIOR TO FINAL PAYMENT.
- THE ENTIRE SYSTEM SHALL BE GUARANTEED TO BE COMPLETE AND PERFECT IN EVERY DETAIL FOR A PERIOD OF ONE YEAR FROM THE DATE OF ITS ACCEPTANCE. REPAIR OR REPLACEMENT OF ANY DEFECTS OCCURRING WITHIN THAT ONE YEAR SHALL BE FREE OF EXPENSE TO THE OWNER.
- AS PART OF THIS CONTRACT, PERFORM AT NO EXTRA COST WINTERIZATION AND SPRING START UP OF THE SYSTEM DURING THE GUARANTEE PERIOD (1 YEAR).
- ALL MATERIALS SHALL BE NEW AND WITHOUT FLAWS OR DEFECTS OF THE QUALITY AND PERFORMANCE SPECIFIED, AND SHALL MEET THE REQUIREMENTS OF THIS SYSTEM. USE MATERIALS AS SUBSTITUTIONS SHALL BE PERMITTED WITHOUT PRIOR WRITTEN PERMISSION OF THE OWNER OR DESIGN PROFESSIONAL.
- IRRIGATION CONTRACTOR SHALL MAKE NECESSARY MINOR FIELD ADJUSTMENTS TO SPRINKLER NOZZLES, SPRINKLERS, PIPE AND OTHER IRRIGATION EQUIPMENT LOCATIONS TO FIT THE AS-BUILT SITE. ADJUST HEAD AND PIPE LOCATIONS AS REQUIRED TO AVOID DAMAGING EXISTING TREE ROOTS. ADJUSTMENTS SHALL ENSURE HEAD TO HEAD COVERAGE AND NOT OVER SPRAY THE BUILDING OR OTHER IMPROVEMENTS.
- IRRIGATION PIPING LAYOUT IS SCHEMATIC. WHERE LINES ARE SHOWN BELOW PAVEMENT ADJACENT TO LANDSCAPE AREAS, THEY SHALL BE LOCATED IN THE LANDSCAPE AREA UNLESS SHOWN WITH A SLEEVE SYMBOL.
- BASE PLAN AND LOCATION OF EXISTING EQUIPMENT ARE SCHEMATIC IN NATURE. FIELD VERIFY ALL BASE AND EXISTING IRRIGATION ELEMENTS AND CONDITIONS PRIOR TO CONSTRUCTION AND PROVIDE NECESSARY ADJUSTMENTS.
- IRRIGATION CONTRACTOR SHALL USE THE MANUFACTURER'S APPROVED PRESSURE REGULATING MODULE AS SPECIFIED TO ADJUST ZONE OPERATING PRESSURES TO AN AVERAGE OF 30 P.S.I. IN SPRAY ZONES AND 45 P.S.I. IN ROTOR ZONES.
- ALL MAIN LINE FITTINGS SHALL BE SCHEDULE 40 SOLVENT WELD TYPE UNLESS NOTED FOR LATERAL SERVICE.
- IN THE EVENT OF A DISCREPANCY, IMMEDIATELY NOTIFY THE DESIGN PROFESSIONAL.
- CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE CERTIFICATE OF COMPLETION IRRIGATION SCHEDULE AND LANDSCAPE AND IRRIGATION MAINTENANCE SCHEDULES, IRRIGATION AUDIT, IRRIGATION SURVEY, AND IRRIGATION WATER USE ANALYSIS.

DRIP IRRIGATION NOTES

- ALL PLANTER BEDS SHALL BE IRRIGATED WITH AN INLINE EMITTER DRIP LINE IRRIGATION SYSTEM, HUNTER® HDL OR APPROVED EQUAL. ALL TREES IN THE NOTED AREA ARE TO BE IRRIGATED. THE CONTRACTOR IS RESPONSIBLE TO INSTALL THE DRIP SYSTEM AS PER MANUFACTURER'S RECOMMENDATIONS AND THE FOLLOWING REQUIREMENTS:
 - AN INLINE EMITTER DRIP LINE TUBING SHALL BE USED. THE EMITTER SPACING SHALL BE TWELVE INCHES (12") AND THE EMITTER FLOWS ARE TO BE @ 6 G.P.H. LATERALS SHALL BE SPACED AT TWELVE INCHES (12").
 - A MANUAL BACKFLUSH FILTER SHALL BE INSTALLED ON EACH ZONE (SEE LEGEND FOR MODEL NUMBER). THE FILTER SHALL BE INSTALLED IN CONJUNCTION WITH AN ELECTRIC REMOTE CONTROL VALVE AS SPECIFIED (SIZE AS NOTED ON SCHEDULE). THE FILTER SHALL INCLUDE A 200 MESH STAINLESS STEEL SCREEN. SEE DETAIL IR 18/L2.2.
 - ALL ZONES SHALL BE INSTALLED WITH A MANUAL LINE FLUSHING VALVE. INSTALL WITH COLLAR.
 - ALL TUBING SHALL BE STAKED DOWN WITH T156 SIX INCH (6") SOIL STAPLES EVERY 3'-5' PLUS TWO ON EACH TEE, ELBOW OR CROSS.
- THE CONTRACTOR IS RESPONSIBLE TO SCHEDULE A MEETING WITH THE DESIGN PROFESSIONAL AND THE OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH ANY IRRIGATION INSTALLATION IN ORDER TO REVIEW WORK TO BE DONE. NO CHANGES IN MATERIAL SPECIFIED OR TO THE DESIGN OF THE SYSTEM SHALL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE DESIGN PROFESSIONAL.
- ALL PVC LATERAL LINES FROM VALVES TO HEADERS ARE TO BE BURIED AT MINIMUM DEPTH OF TWELVE INCHES (12"). SIZE AS NECESSARY. (SEE PIPE SIZING NOTES ON THIS SHEET).
- AFTER INSTALLATION OF THE IRRIGATION SYSTEM THE CONTRACTOR IS RESPONSIBLE TO PROVIDE THE OWNER WITH AS-BUILT DRAWINGS AND INSTRUCTIONS FOR MAINTENANCE OF THE DRIP SYSTEM.
- PROVIDE DRIP LINE TO ENSURE EACH SHRUB AND TREE RECEIVES ADEQUATE IRRIGATION SO THAT THE OPTIMUM AMOUNT OF WATER IS APPLIED TO ENSURE THE HEALTH OF ALL PLANT MATERIAL. BURY DRIP LINE AT 5" MIN. BELOW GRADE. LOCATE DRIP LINE TO OBTAIN COMPLETE COVERAGE OF PLANTER AREAS, REFER TO NOTES, SPECIFICATIONS, AND DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

SYSTEM OPERATIONAL NOTES

SYSTEM OPERATION:

(BASED ON HISTORICAL CLIMATE)

CONTROLLER SETUP:

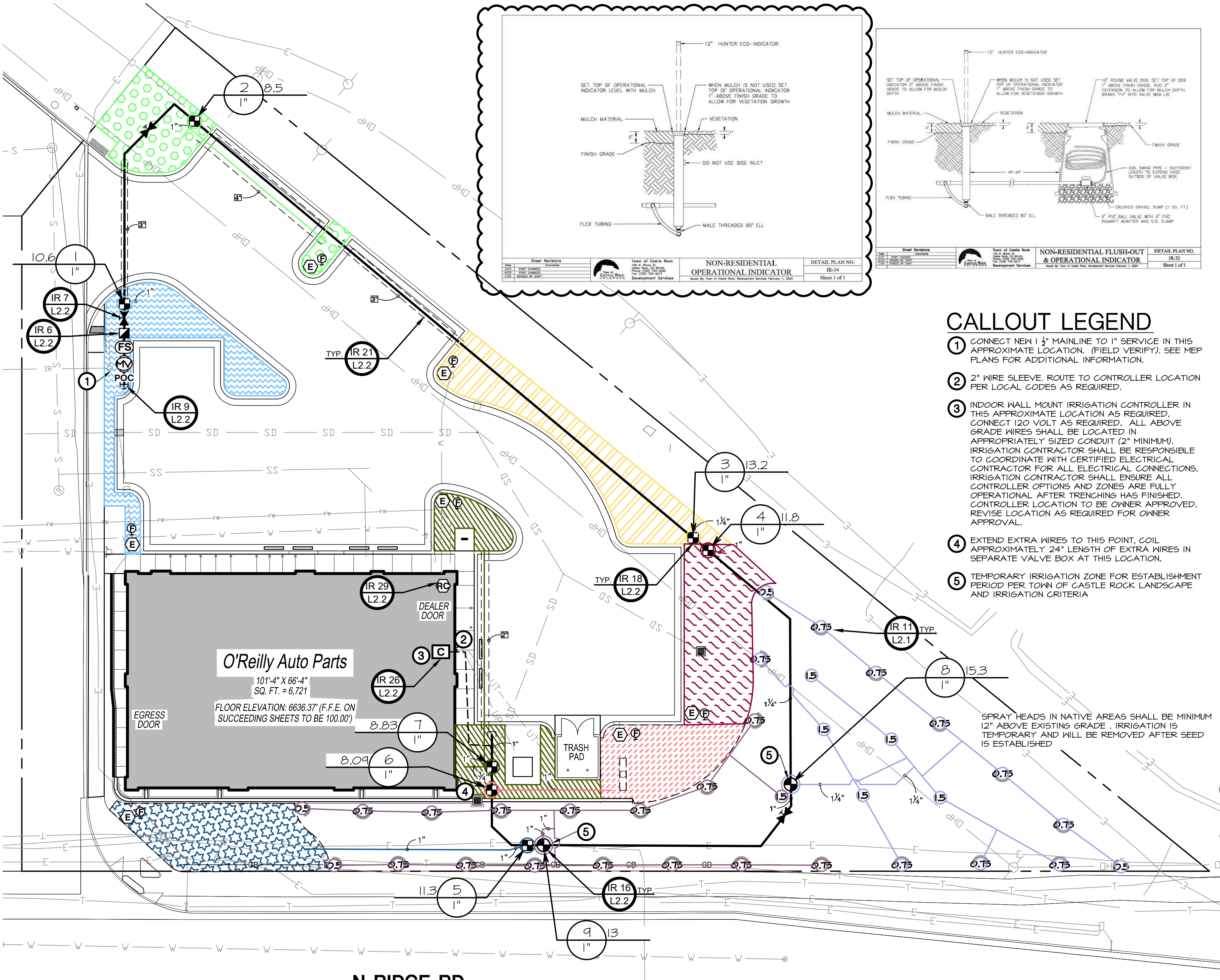
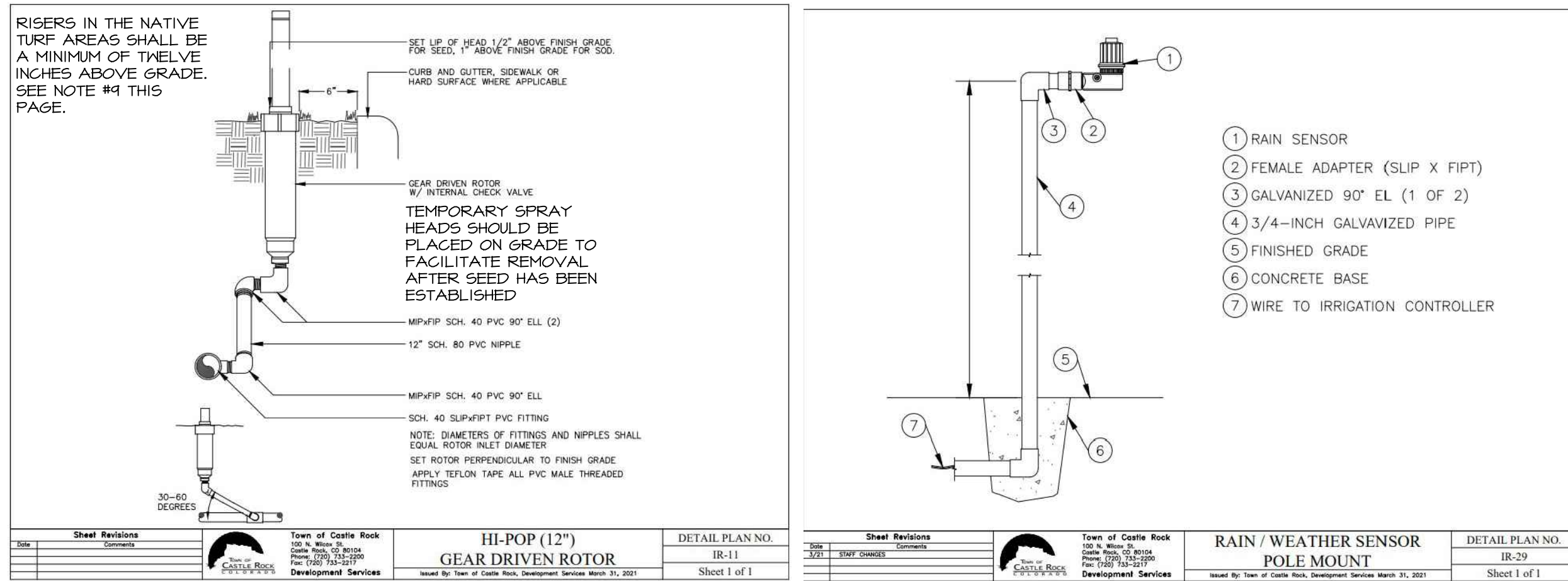
A CYCLING TECHNIQUE WILL BE USED FOR APPLICATION OF WATER. EACH STATION RUN TIME WILL BE APPLIED WITH THREE (3) DIFFERENT START TIMES. THEREFORE STATION RUN TIMES REFLECT ONE THIRD (1/3) THE TOTAL APPLICATION. PEAK WATER APPLICATION WILL REQUIRE IRRIGATION EVERY NIGHT. SET CONTROLLERS FOR START TIME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

INITIAL STATION RUN TIMES:

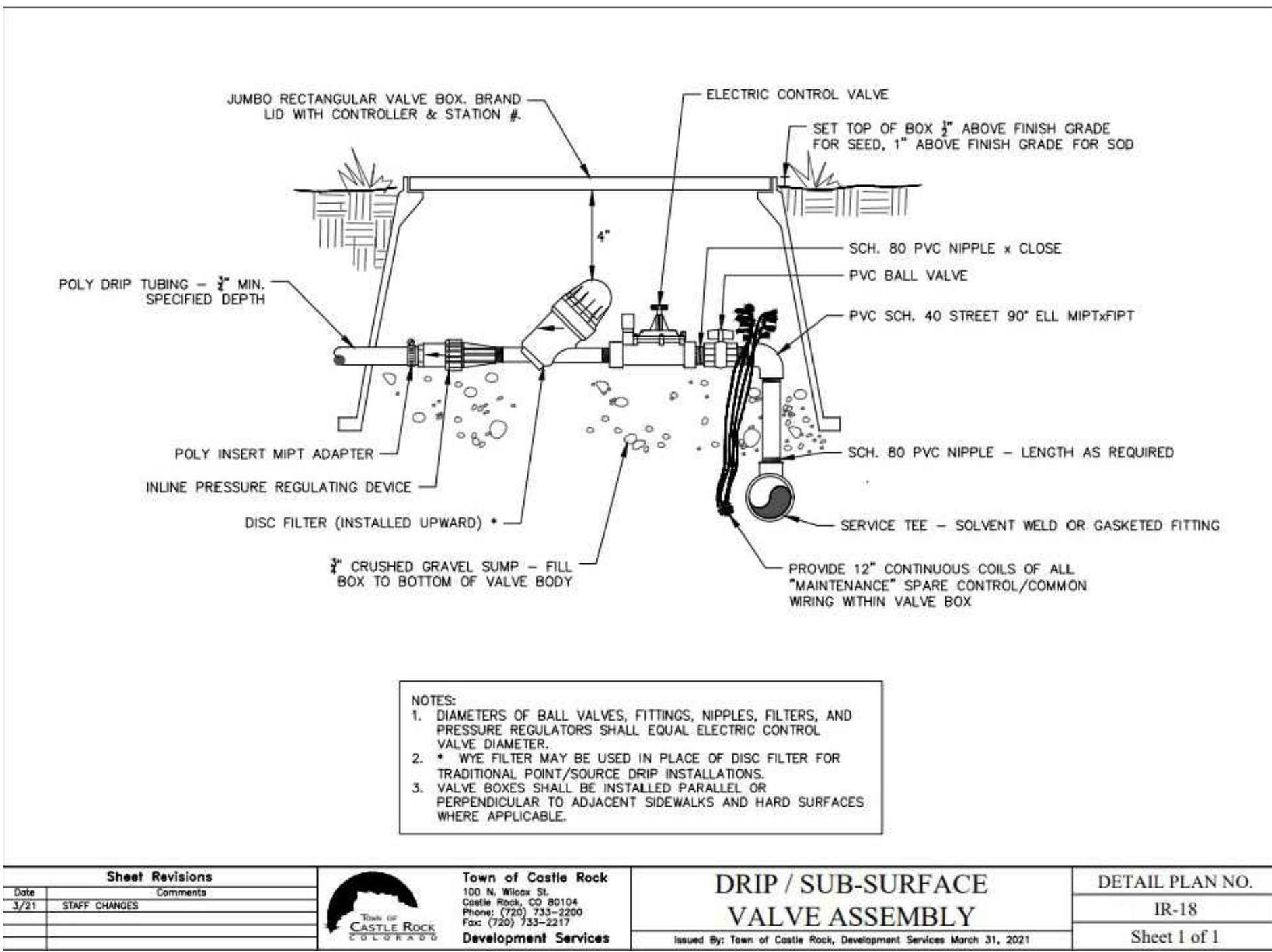
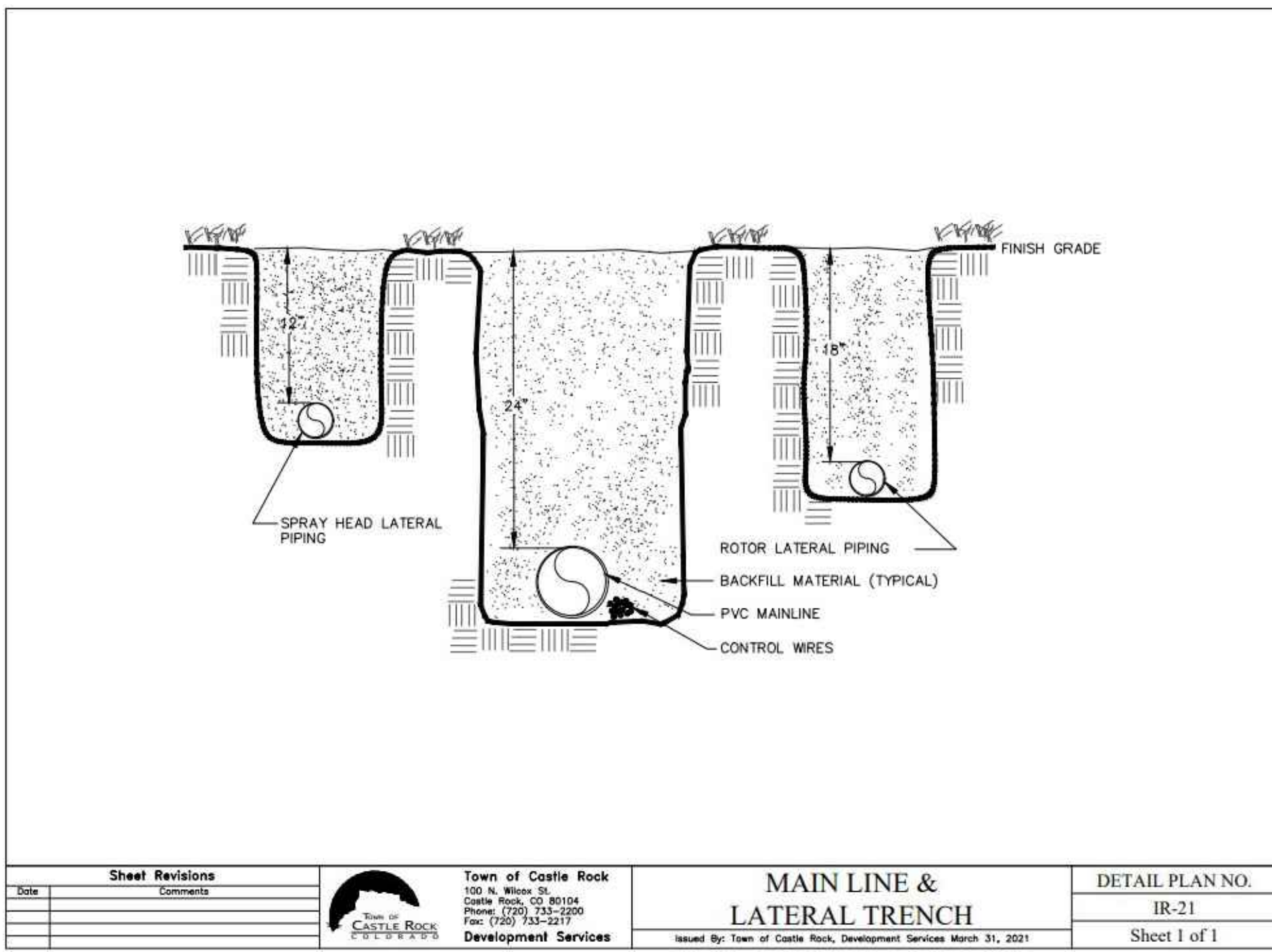
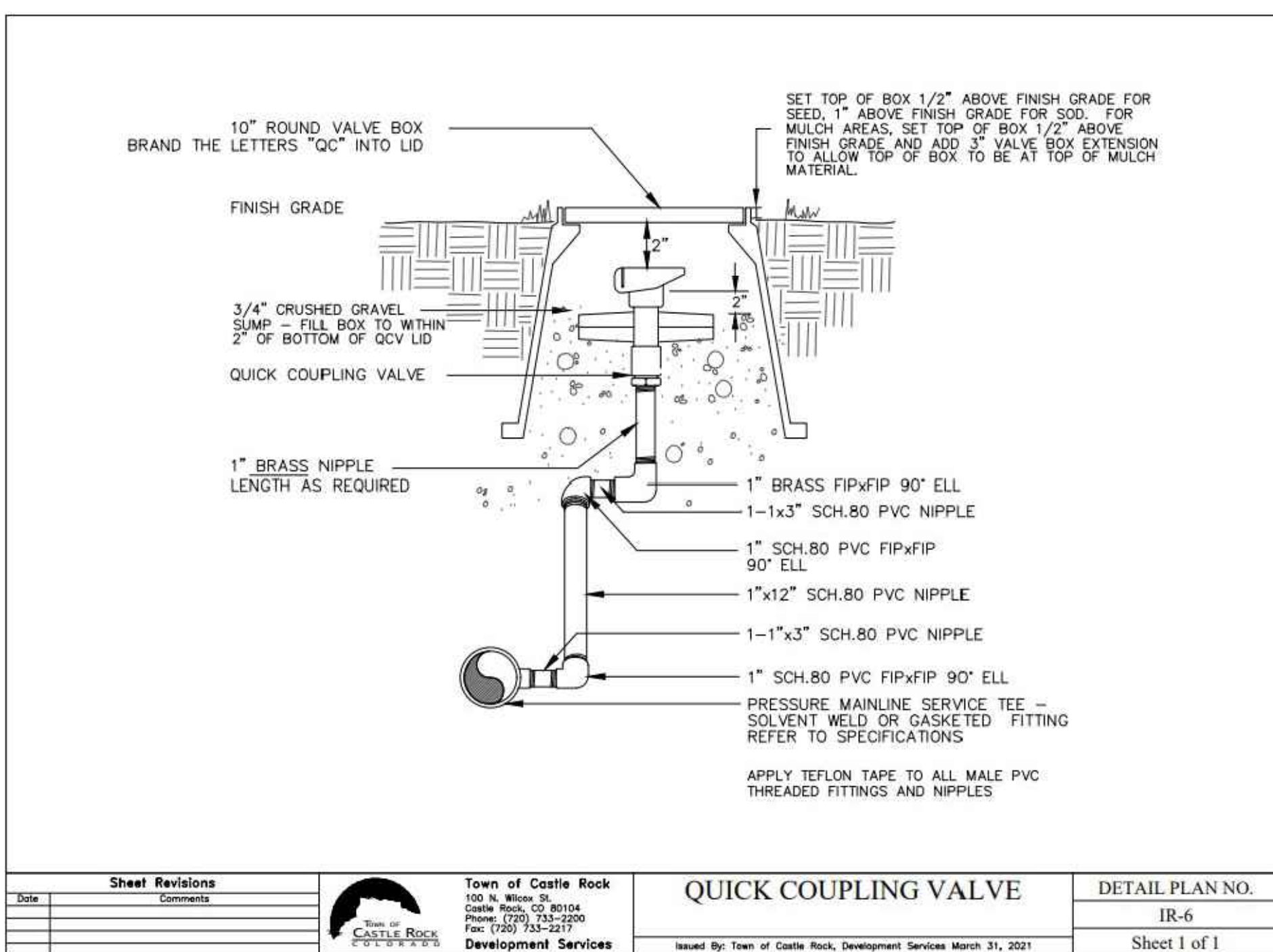
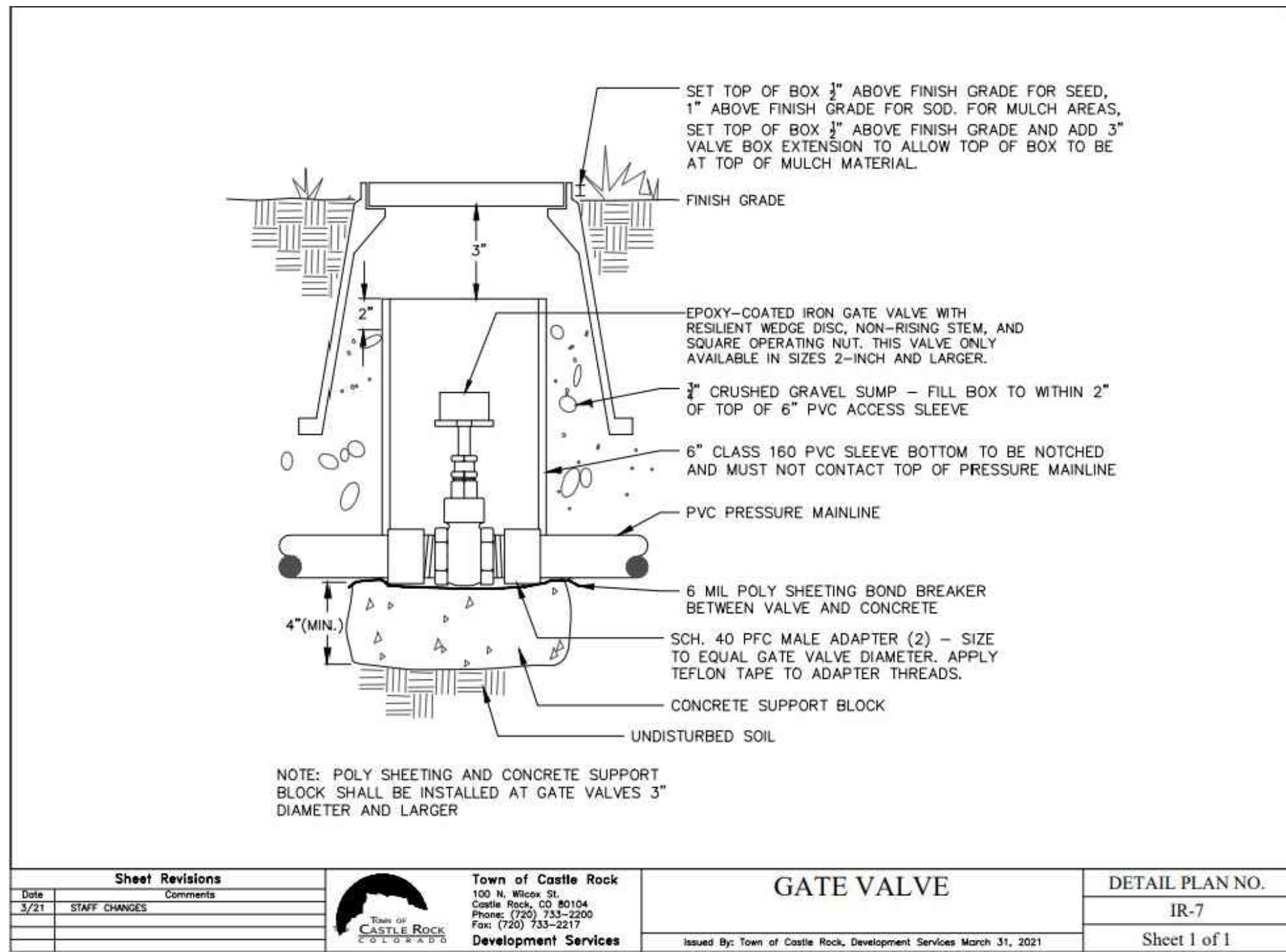
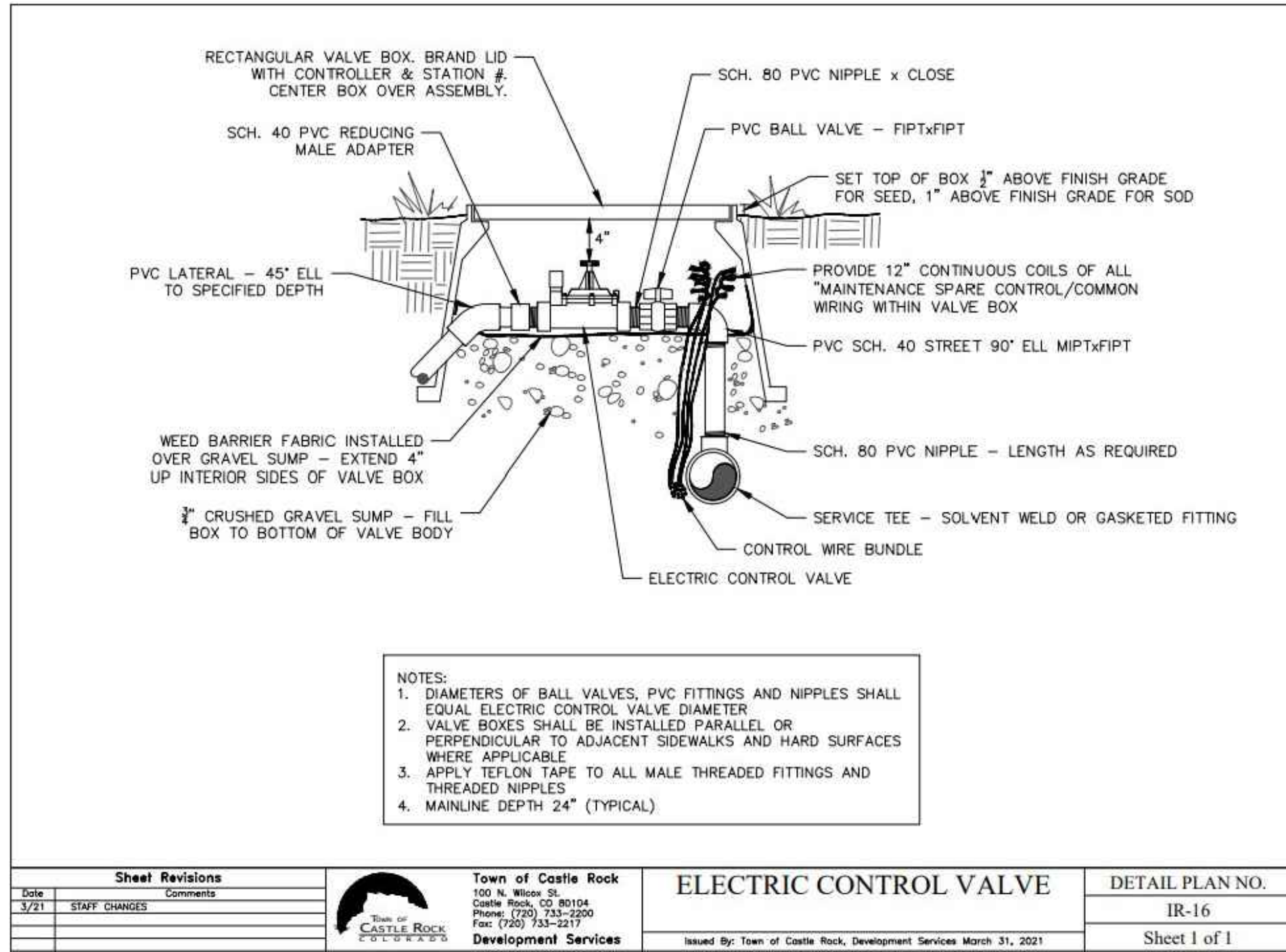
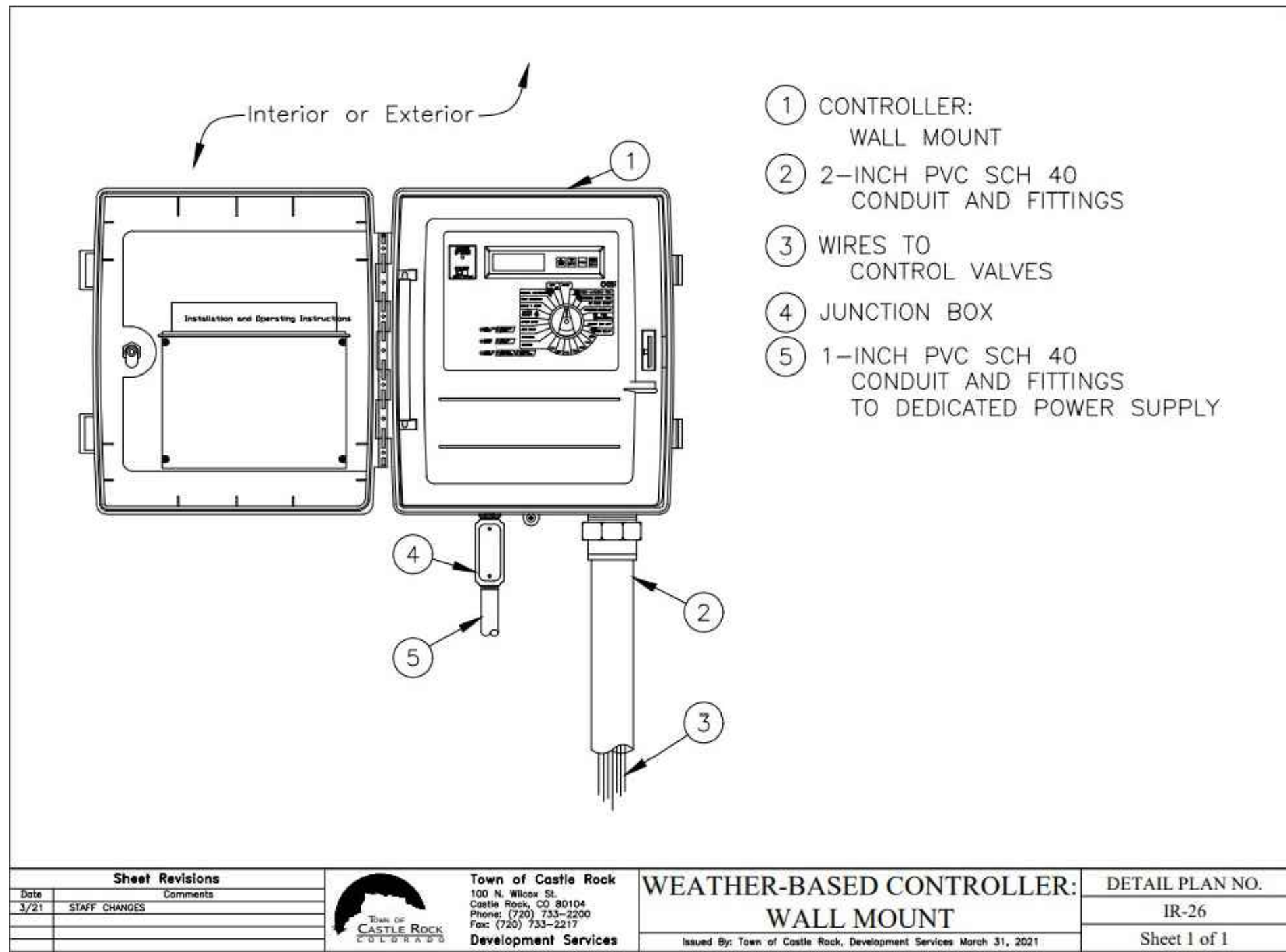
DRIP ZONES: SHRUBS - 10 MINUTE CYCLES, (6 CYCLES MINIMUM SPACED EVENLY THROUGHOUT WATER WINDOW AS NOTED ABOVE)
ROTOR ZONES: TURF - 15 MINUTE CYCLES.

SYSTEM BALANCING:

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



S:_projects\2025\25004 oreilly castle rock co\CAD\sheet\25004_IRR16\ATTENTION.dwg plotted by: sbrown on Wed, November 5 2025 at 09:32 AM



TOWN APPROVAL BLOCK

TOWN OF CASTLE ROCK APPROVAL.

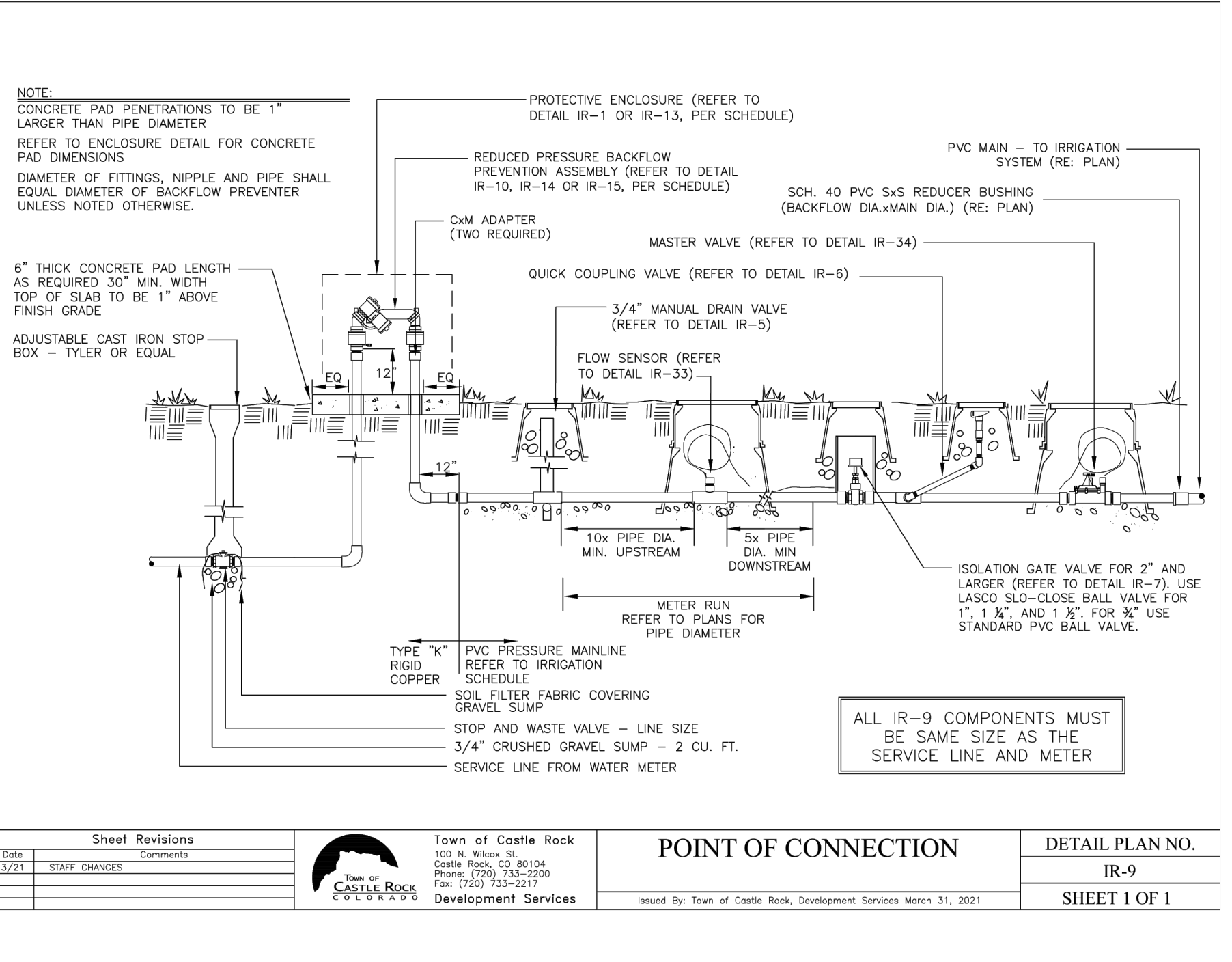
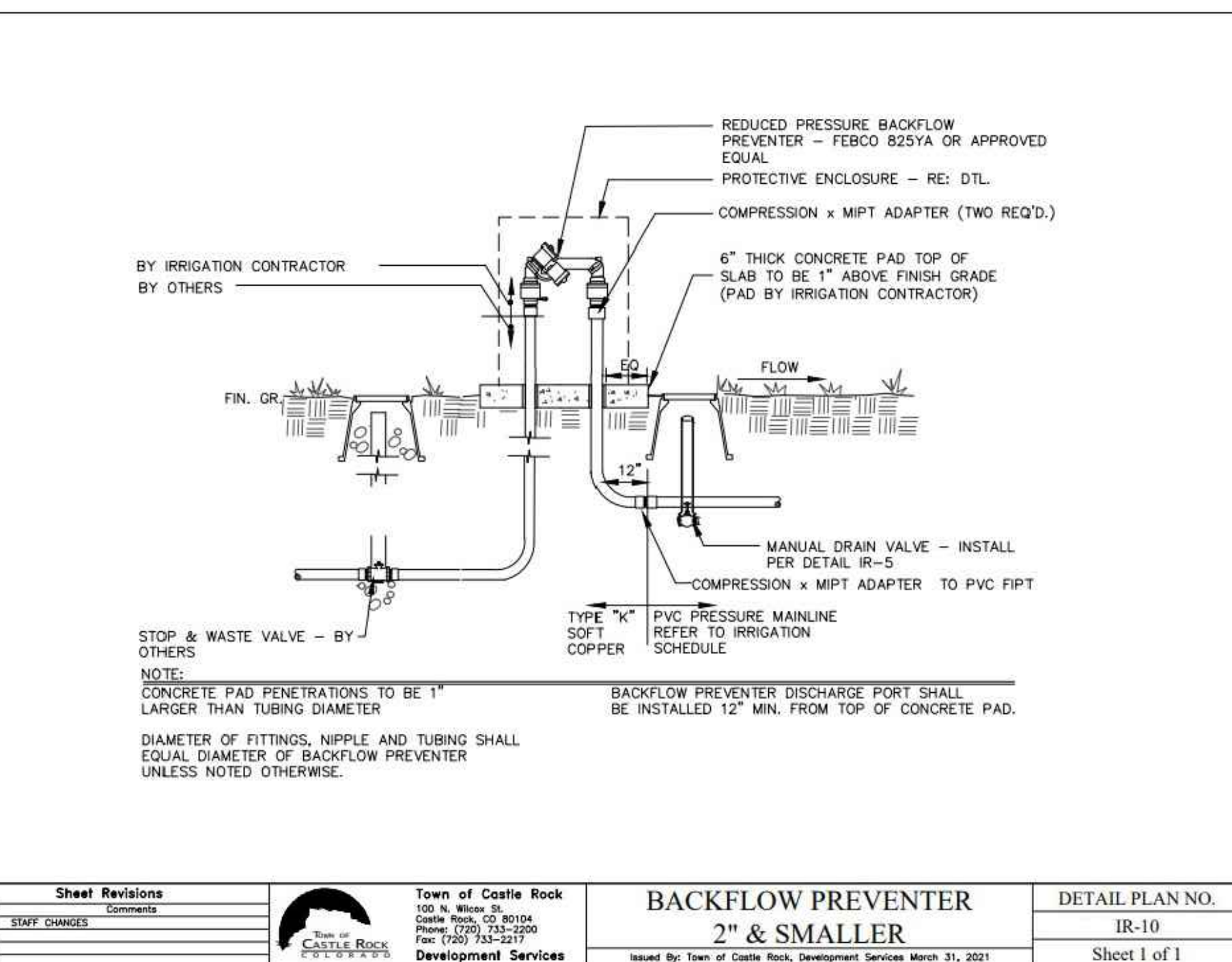
PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM
DATE OF DEVELOPMENT SERVICES APPROVAL.

DEVELOPMENT SERVICES

DATE

APPROVED
By Jeannette
APPROVED-CD05-0027 Plans.pdf
Record Document on File

- IRRIGATION STANDARD NOTES:**
1. INSTALLING CONTRACTOR SHALL CONTACT THE TOWN OF CASTLE ROCK UTILITIES
DEPARTMENT AT 720.733.6011 TO SCHEDULE A PRE- INSTRUCTION MEETING BEFORE
BEGINNING THE INSTALLATION OF THE IRRIGATION SYSTEM.
 2. IRRIGATION SHALL BE INSTALLED BY A TOWN OF CASTLE ROCK REGISTERED
LANDSCAPE CONTRACT PROFESSIONAL.
 3. BACKFLOW TO BE TESTED BY A CERTIFIED BACKFLOW TECHNICIAN APPROVED BY THE
UTILITY DEPARTMENT WITHIN 10 DAYS OF THE IGATION METER INSTALLATION AND
ANNUALLY THEREAFTER.
 4. IRRIGATION EXEMPTION MUST BE OBTAINED FROM THE CASTLE ROCK WATER IF
IRRIGATING THE NATIVE SEED OR THE SOD ON A DAILY SIS FOR ESTABLISHMENT
DURING THE MONTHS OF JUNE AND AUGUST. IRRIGATION EXEMPTIONS WILL NOT BE ISSUED
DURING THE MONTH OF JULY.
 5. IRRIGATION SYSTEMS MUST BE DESIGNED TO OPERATE WITHIN THE TOWN OF CASTLE
ROCK WATER USE MANAGEMENT PLAN. RRENT COMMERCIAL HOURS OF OPERATION ARE
A THREE FIXED DAYS A WEEK FROM 10 PM TO 6 AM.
 6. OVERHEAD IRRIGATION IN AREAS LESS THAN 10' IN WIDTH OR INSTALLED ON SLOPES
STEEPER THAN 3:1 WILL NOT BE APPROVED BY N OF CASTLE ROCK INSPECTORS.
 7. ALL IRRIGATION INSTALLATIONS MUST MEET 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
TO A MINIMUM DISTANCE OF 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 OR UNINTENDED AREAS. PER KIN OF CASTLE ROCK WATER USE
MANAGEMENT PLAN WATER WASTE IS NOT ALLOWED
 10. IRRIGATION SYSTEMS ARE TO BE WINTERIZED ANNUALLY IN THE FALL.



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



TIMOTHY M. GUILLOT
ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.0558
Fax: 417.862.3265
e-mail: archtied@esterlyschneider.com

PROJECT:
NEW O'REILLY AUTO PARTS STORE
730 N. RIDGE RD.
CASTLE ROCK, CO #2
IRRIGATION DETAILS

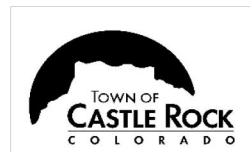
O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

COMM # 4880
DATE: 1-31-2025
REVISION
DATE:

6-10-2025
8-1-2025
10-13-2025

11-5-2025
L2.2
17 of 18

S:\projects\1025\125004 oreilly castle rock co\CAD\sheet\125004_IRR16ATTION.dwg plotted by: ebrown on Wed, November 5 2025 at 10:19 AM

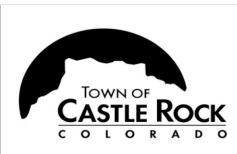


IRRIGATION CHART

Registered Professional _____ Registration # _____ Date 8/1/2025 _____											
Company Name Breckon Land Design _____ Address 6661 N Glenwood St Garden City, ID 83714 _____											
Phone (208)376-5153 _____ Email ebrown@breckonld.com _____ Clock Make Hunter _____ Model PHC-2400 _____											
Monday, Wednesday, Friday (west side of I-25) X Tuesday, Thursday, Saturday (east side of I-25)											
Zone	Hydrozone	Plant Type	Head Type	Nozzle	App. Rate	GPM	Inches/Month	Run Time	Run Time	Water Usage	
								(minutes per month)	(minutes per day)	(gallons per month)	
	Very Low (<5')	(burl, native, shrubs, perennials, trees, annuals, etc.)	(rotors, sprays, bubblers, drip, SDI, etc.)	(nozzles emitter size)	(inches/hour)	(per zone)	(soak not to exceed 1" per month or 1.5" per week)				
1	6"	shrubs	Drip	12"	0.6	11	4	400	40	4,236	
2	6"	shrubs	Drip	12"	0.6	9	4	400	40	3,400	
3	6"	shrubs	Drip	12"	0.6	13	4	400	40	5,288	
4	6"	shrubs	Drip	12"	0.6	12	4	400	40	4,728	
5	6"	shrubs	Drip	12"	0.6	11	4	400	40	4,400	
6	6"	shrubs	Drip	12"	0.6	8	4	400	40	3,200	
7	6"	shrubs	Drip	12"	0.6	9	4	400	40	3,600	
8	6"	Native seed	Rotors	0.5	0.5	15	4	480	48	7,200	
9	6"	Native seed	Rotos	0.5	0.5	13	4	480	48	6,240	
10								0	0	0	
11								0	0	0	
12								0	0	0	
13								0	0	0	
14								0	0	0	
15								0	0	0	
16								0	0	0	
17								0	0	0	
18								0	0	0	
19								0	0	0	
20								0	0	0	
21								0	0	0	
22								0	0	0	
23								0	0	0	
24								0	0	0	
25								0	0	0	
26								0	0	0	
27								0	0	0	
28								0	0	0	
29								0	0	0	
30								0	0	0	
Total								3,760	376	42,282	
								Min/month	Min/cycle	Gallons/month	

revised 7/2018

0



Irrigation System Hydraulic Worksheet

Project Name:

O'Reilly Auto Parts Castle Rock

Date:

August 1, 2025

Project Location:

N Ridge Road, Castle Rock, CO

Prepared by:

Breckon Land Design

Current TOCR Registration #

Tap Size

1.00 "

Source of Pressure

Static Water Pressure:

psi

Hydraulic Grade At Zone:

Company

	Ft. of Copper	Pipe Size (")	K Copper	Friction Loss (from chart)	Flow-GPM	Loss/Gain
Service Line (tap)	36 LF	1.00	K Copper	4.94 /100 FT	12	1.78
Water Meter:		1.00				0.00
Service Line (meter to backflow):	5 LF	1.00	K Copper	4.94 /100 FT	12	0.27
Backflow:		1.50		3	12	3.00
Master Valve:		1 1/2		3	12	3.00
Pressure Required at Head:						45
Lateral Allowance:						
Control Valve Allowance:						3.00
Mainline Allowances:						
Length of Mainline	Pipe Material	Size	Gals.			
	505 LF CL200BE	1.500 "@	12	GPM	1.20 /100 FT	6.06
	LF CL200BE	"@	12	GPM-Looped	/100 FT	0.00
Elevation:	Tap elevation		High/Low:			0.00
Green shading indicates required information you must provide						
Total System requirements (PSI)					62.11	
Available System Pressure (PSI)					0.00	
Town of Castle Rock provides a minimum of 43 psi						

Total irrigated area for tap # _____ is _____ sq. ft.

Revised 7/31/2025

TOWN APPROVAL BLOCK

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



DEVELOPMENT SERVICES _____ DATE _____



Know what's below.
Call before you dig.
CALL 3 BUSINESS DAYS
IN ADVANCE BEFORE
YOU DIG, GRADE, OR
EXCAVATE FOR THE
MARKING OF
UNDERGROUND
MEMBER UTILITIES

TIMOTHY M. GUILLOT
ARCHITECT

1736 East Sunshine, Suite 417
Springfield, Missouri 65804

417.862.0558
Fax: 417.862.3265

e-mail: architd@estertyschneider.com

PROJECT:
NEW O'REILLY AUTO PARTS STORE
730 N. RIDGE RD.
CASTLE ROCK, CO #2

IRRIGATION CHARTS



COMM # 4880
DATE: 1-31-2025
REVISION
DATE: 11-5-2025