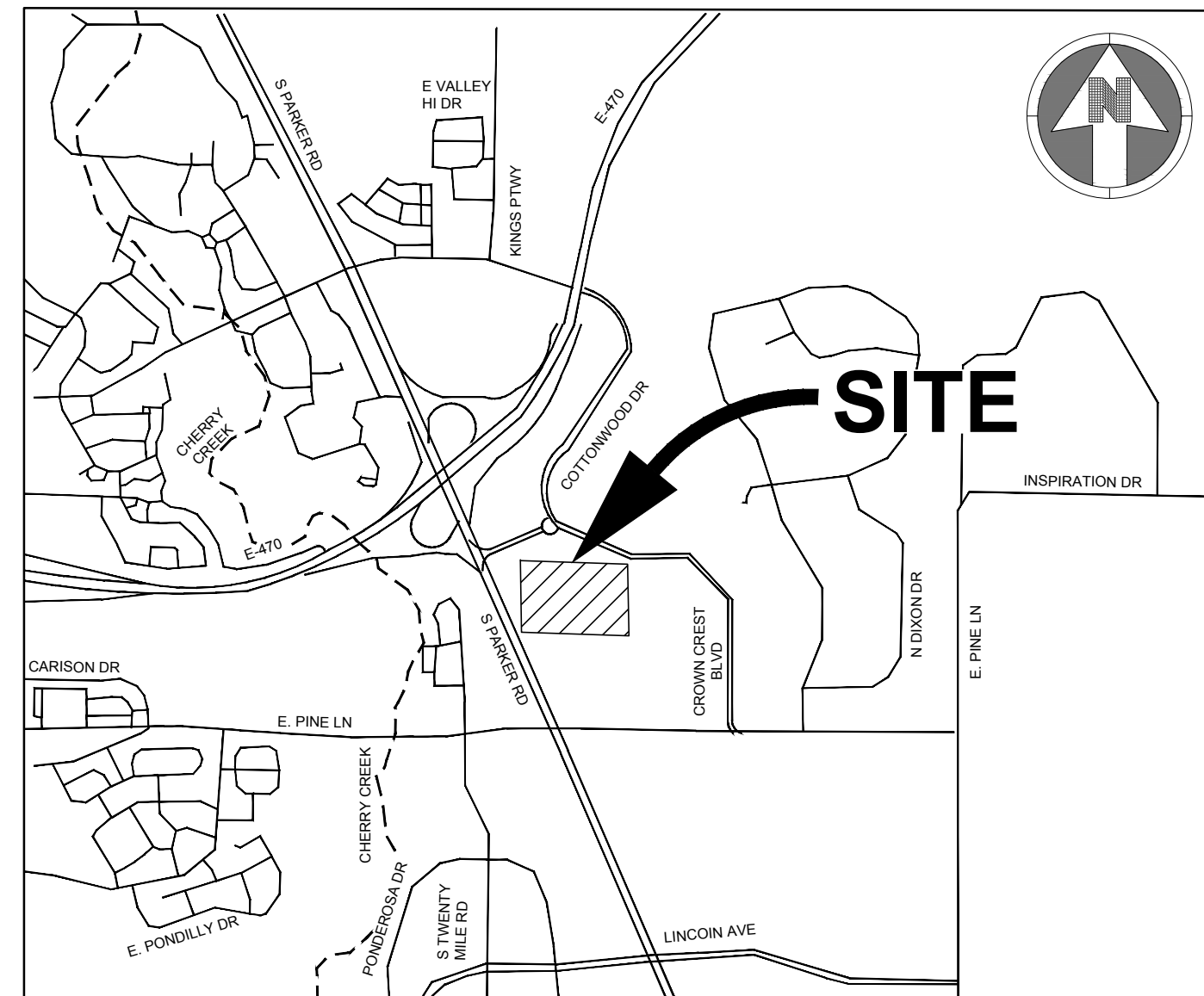


ADVENTHEALTH PARKER EXPANSION

CROWN POINT FILING 1 AMENDMENT 30, LOT 1, TRACT A & B
 IN THE NORTHWEST QUARTER OF SECTION 10, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH PRINCIPAL MERIDIAN,
 TOWN OF PARKER, DOUGLAS COUNTY, COLORADO

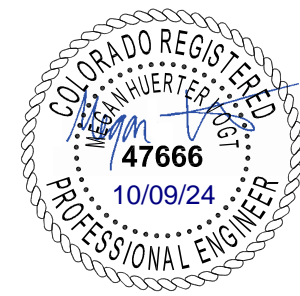


VICINITY MAP
 SCALE: 1"=2000'

Sheet Number	Sheet Title
A-C000	COVER SHEET
A-C001	CIVIL NOTES AND LEGEND
A-C021	OVERALL SITE PLAN
A-C022	SITE PLAN
A-C023	SITE PLAN
A-C111	DEMOLITION PLAN
A-C112	DEMOLITION PLAN
A-C121	HORIZONTAL CONTROL PLAN
A-C122	HORIZONTAL CONTROL DATA
A-C123	HORIZONTAL CONTROL DATA
A-C211	GRADING PLAN
A-C212	GRADING PLAN
A-C240	EROSION CONTROL COVER SHEET
A-C241	INITIAL EROSION CONTROL PLAN
A-C242	INITIAL EROSION CONTROL PLAN
A-C243	INITIAL EROSION CONTROL PLAN
A-C244	INTERIM EROSION CONTROL PLAN
A-C245	INTERIM EROSION CONTROL PLAN
A-C246	INTERIM EROSION CONTROL PLAN
A-C247	FINAL EROSION CONTROL PLAN
A-C248	FINAL EROSION CONTROL PLAN
A-C249	FINAL EROSION CONTROL PLAN
A-C251	EROSION CONTROL DETAILS
A-C252	EROSION CONTROL DETAILS
A-C253	EROSION CONTROL DETAILS
A-C254	EROSION CONTROL DETAILS
A-C255	EROSION CONTROL DETAILS
A-C256	EROSION CONTROL DETAILS
A-C257	EROSION CONTROL DETAILS
A-C258	EROSION CONTROL DETAILS
A-C259	EROSION CONTROL DETAILS
A-C331	STORM PLAN AND PROFILE
A-C332	STORM PLAN AND PROFILE
A-C333	STORM PLAN AND PROFILE
A-C351	STORM DETAILS
A-C352	STORM DETAILS
A-C353	STORM DETAILS
A-C411	PAVING PLAN
A-C412	PAVING PLAN
A-C451	SITE DETAILS
A-C452	SITE DETAILS
A-C453	SITE DETAILS
A-C500	WATER AND SANITARY COVER SHEET
A-C501	WATER AND SANITARY NOTES AND LEGEND
A-C511	UTILITY PLAN
A-C512	UTILITY PLAN
A-C531	SANITARY PLAN AND PROFILE
A-C532	SANITARY PLAN AND PROFILE
A-C551	WATER AND SANITARY DETAILS
A-C552	WATER AND SANITARY DETAILS
A-C553	WATER AND SANITARY DETAILS

ENGINEER'S STATEMENT

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THE PROPOSED SUBDIVISION, ADVENTHEALTH PARKER EXPANSION, IS DESIGNED IN ACCORDANCE WITH THE TOWN OF PARKER SIGHT DISTANCE CRITERIA AND WITH AASHTO POLICY ON GEOMETRIC DESIGN OF HIGHWAY & STREETS.



MEGAN HUERTTER VOGT
 REGISTERED PROFESSIONAL ENGINEER
 COLORADO NO. 47666

AGENCY LIST

- | | |
|--|---|
| CORE ELECTRICAL COOPERATIVE
PO DRAWER A
5496 US HWY 85
SEDALIA, CO. 80135
303-888-3100
CONTACT: BROOKS KAUFMAN | GAS-XCEL ENERGY
2070 SOUTH VALENTIA STREET
DENVER, CO. 80231
1-800-628-2121
CONTACT: DESIGN MANAGER |
| FIRE-SOUTH METRO FIRE RESCUE
9195 E. MINERAL AVE
CENTENNIAL, CO 80112
720-989-2000
CONTACT: RANDY CAPRA | TOWN OF PARKER
PLANNING AND BUILDING DEPT.
20120 E. MAIN STREET
PARKER, CO. 80134
303-841-2332
CONTACT: PAUL WORKMAN |
| TOWN OF PARKER-PUBLIC WORKS
20120 E. MAINSTREET
PARKER, CO 80134
303-840-9546
CONTACT: MIKE WAUGH | COTTONWOOD WATER & SANITATION DISTRICT
2 INVERNESS DRIVE EAST
ENGLEWOOD, CO
303-792-9509
CONTACT: PATRICK MULHERN/ LAURI TATLOCK |
| CABLE-COMCAST
8850 S. TUSCON WAY
ENGLEWOOD, CO. 80112
303-603-5605
CONTACT: KEVIN YOUNG | TELEPHONE - CENTURY LINK
LOCAL NETWORK OPERATIONS
9750 E. COSTILLA AVENUE
ENGLEWOOD, CO. 80112
303-792-1840
CONTACT: KAREN CAIME |
| TRI-COUNTY HEALTH DEPARTMENT
7000 E. BELLEVUE AVENUE
GREENWOOD VILLAGE, CO. 80111
303-220-9200
CONTACT: CAROL MACLENNAN | COTTONWOOD WATER AND SANITATION
DISTRICT ENGINEER-KENNEDY JENKS CONSULTING
143 UNION BOULEVARD
SUITE 600
LAKEWOOD, CO 80228
PHONE: 303-985-3636
CONTACTS: TOM NAPOLILLI |
| CROWN POINT ARCHITECTURAL
CONTROL COMMITTEE
27905 MEADOW DRIVE, SUITE 11
EVERGREEN, CO 80439 303-674-7856
CONTACT: TIM LEONARD | |

OWNER INFORMATION

ADVENTHEALTH PARKER
 9395 CROWN CREST BLVD.
 PARKER, CO. 80138
 303-269-4014

DESIGN INFORMATION

ARCHITECT: BOULDER ASSOCIATES
 PHONE: 303-499-7795

ARCHITECT: SMITHGROUP
 PHONE: 303-832-3272

CIVIL ENGINEER: S. A. MIRO, INC
 PHONE: 303-741-3737

LANDSCAPE ARCHITECT: OXBOW DESIGN COLLABORATION
 PHONE: 720-465-6168

STRUCTURAL ENGINEER: MGA STRUCTURAL ENGINEERS, INC.
 PHONE: 719-635-4473

MEPT ENGINEERS: CATOR RUMA & ASSOCIATES CO
 PHONE: 303-232-6200

FIRE PROTECTION: TLH FIRE
 PHONE: 303-517-1775

BASIS OF BEARING:
 BEARINGS ARE BASED ON THE LINE FROM CONTROL POINT 200 TO CONTROL POINT 201, MONUMENTED AS SHOWN HERON BEARING N 53°47'17" E.

BENCHMARK:
 BASIS OF ELEVATIONS: BEARINGS ARE BASED ON CONTROL POINT 200 BEING AN ELEVATION OF 5825.42

THE TOWN OF PARKER REVIEW CONSTITUTES GENERAL COMPLIANCE WITH TOWN'S STANDARDS AND APPROVED VARIANCES, SUBJECT TO THESE PLANS BEING STAMPED, SIGNED, AND DATED BY THE PROFESSIONAL ENGINEER OF RECORD. REVIEW BY THE TOWN DOES NOT CONSTITUTE APPROVAL OF THE PLAN DESIGN OR ACCURACY AND CORRECTNESS OF ENGINEERING CALCULATIONS. ERRORS IN THE DESIGN OR CALCULATIONS REMAIN THE RESPONSIBILITY OF THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE ARE AFFIXED TO THIS DOCUMENT.

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

Town of Parker, Director of Engineering/Public Works _____ Date _____

S. A. MIRO, INC.
 CIVIL + STRUCTURAL
 CONSULTING ENGINEERS
 4582 S. Ulster St., Suite 750
 Denver, CO 80237
 303-741-3737
 www.samiro.com

Know what's below.
Call before you dig.

NO.	DESCRIPTION	DATE
1	1ST TOWN SUBMITTAL	06/03/2024
2	2ND TOWN SUBMITTAL	08/16/2024
3	3RD TOWN SUBMITTAL	10/10/2024

PROJECT: **ADVENTHEALTH PARKER EXPANSION
 PARKER, CO 80138**

DRAWING TITLE: **COVER SHEET**

FILE PATH: C:\Users\ghj\Documents\S. A. Miro, Inc.\Civil\Jobs\23079 AHP Expansion\05 CAD\Plans and Details\C000-COVR.dwg C000 - 10/9/2024



DESIGNED BY: RJH
 DRAWN BY: EDS
 CHECKED BY: MHV
 MIRO JOB NO. 23079

DRAWING NUMBER:
A-C000

MASTER LEGEND:

PROPOSED		EXISTING	
	PROPERTY LINE		CURB AND GUTTER
	SECTION LINE		SIDEWALK
	RIGHT OF WAY LINE		WALL
	CENTER LINE		FENCE
	CURB AND GUTTER		SIGN
	SIDEWALK		LIGHT
	WALL		TREE
	FENCE		MINOR CONTOURS
	SIGN		MAJOR CONTOURS
	LIGHT		SPOT ELEVATION
	TREE		CABLE TV LINE
	MINOR CONTOURS		COMMUNICATION LINE
	MAJOR CONTOURS		ELECTRICAL LINE
	RIDGE LINE		OVERHEAD ELECTRICAL LINE
	SPOT ELEVATION		FIBER OPTIC LINE
	CABLE TV LINE		RAW WATER LINE
	COMMUNICATION LINE		SANITARY SEWER LINE
	ELECTRICAL LINE		STEAM LINE
	OVERHEAD ELECTRICAL LINE		STORM SEWER LINE
	FIBER OPTIC LINE		WATER LINE
	GAS LINE		EASEMENT
	TELEPHONE LINE		INLET
	IRRIGATION LINE		FLARED END SECTIONS
	RAW WATER LINE		CLEANOUT
	SANITARY SEWER LINE		FIRE HYDRANT
	STEAM LINE		VALVE
	STORM SEWER LINE		WATER FITTINGS
	WATER LINE		PEDESTAL
	EASEMENT		UTILITY CROSSING
	INLET		MANHOLES
	FLARED END SECTIONS		LAMBS TONGUE
	CLEANOUT		ROOF DRAIN
	FIRE HYDRANT		OVERFLOW
	VALVE		ELECTRIC VEHICLE PARKING STRIPING
	WATER FITTINGS		
	PEDESTAL		
	UTILITY CROSSING		
	MANHOLES		
	LAMBS TONGUE		
	ROOF DRAIN		
	OVERFLOW		
	ELECTRIC VEHICLE PARKING STRIPING		

ABBREVIATIONS:

BFV	BUTTERFLY VALVE	PCC	POINT OF COMPOUND CURVATURE
BOV	BLOW OFF VALVE	PCR	POINT OF CURB RETURN
BW	BOTTOM OF WALL @ FINISHED GRADE	PI	POINT ON INTERSECTION
CL	CENTERLINE	PRC	POINT OF REVERSE CURVATURE
CMP	CORRUGATED METAL PIPE	PT	POINT OF TANGENCY
EJ	EXPANSION JOINT	PVC	POLYVINYL CHLORIDE
ELEC.	ELECTRIC	RCP	REINFORCED CONCRETE PIPE
ELEV.	ELEVATION	RCB	REINFORCED CONCRETE BOX
EX	EXISTING	RL	RIDGE LINE
FES	FLARED END SECTION	ROW	RIGHT OF WAY
FG	FINISHED GRADE	RT	RIGHT
FS	FINISHED SURFACE	SD	STORM DRAINAGE SEWER
FL	FLOWLINE	SS	SANITARY SEWER
GB	GRADE BREAK	STA.	STATION
HP	HIGH POINT	STRM	STORM SEWER
FH	FIRE HYDRANT	TOF	TOP OF FLANGE
INV.	INVERT	TOP	TOP OF PIPE
IRR	IRRIGATION	TW	TOP OF WALL @ FINISHED GRADE
KB	KICK BLOCK	TYP.	TYPICAL
LF	LINEAR FEET	VCP	VITRIFIED CLAY PIPE
LP	LOW POINT	VPC	VERTICAL POINT OF CURVATURE
LT	LEFT	VPI	VERTICAL POINT OF INTERSECTION
ME	MATCH EXISTING	VPT	VERTICAL POINT OF TANGENCY
MH	MANHOLE	WATR	WATER LINE
PC	POINT OF CURVATURE		

TOWN OF PARKER STORM DRAINAGE INFRASTRUCTURE NOTES:

- ALL STORM DRAINAGE IMPROVEMENTS ARE SUBJECT TO COMPLIANCE WITH THE COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) CURRENT EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, M & S STANDARDS, AND ALL STANDARD SPECIAL PROVISIONS CURRENTLY USED BY CDOT, WITH THE MODIFICATIONS SET FORTH IN THE TOWN OF PARKER'S STORM DRAINAGE AND ENVIRONMENTAL CRITERIA MANUAL (SDECM), AS AMENDED.
- THE CONTRACTOR SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, ARTICLE 8 CRS), THE "PROTECTION OF FISHING STREAMS" TITLE 33, ARTICLE 5, CRS), THE "CLEAN WATER ACT" (33 USC 1344), CHERRY CREEK RESERVOIR CONTROL REGULATION NO. 72 (5 COR 1002-72), THE REGULATION PROMULGATED, CERTIFICATION OR PERMITS ISSUES, AND THE REQUIREMENTS PRESENTED IN THE SDECM REVISION TO SECTION 107 AND THE CONSTRUCTION BMP PLAN. IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND WATER QUALITY CONTROL LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, OR STATE AGENCIES, THE MORE RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
- INSPECTIONS: CONSTRUCTION SHALL NOT BEGIN UNTIL A GRADING PERMIT HAS BEEN ISSUED FOR THE PROJECT. THE CONTRACTOR SHALL NOTIFY THE TOWN OF PARKER ENGINEERING DEPARTMENT (PUBLIC WORKS) TO SCHEDULE INSPECTIONS A MINIMUM OF 48 HOURS PRIOR TO THE CONSTRUCTION OF ALL DRAINAGE INFRASTRUCTURE (STORM SEWERS, INLETS, MANHOLES, ENERGY DISSIPATORS, RIPRAP, GROUTED BOULDERS, DETENTION POND OUTLET STRUCTURES, FOREBAYS, TRICKLE CHANNELS, ETC). FAILURE TO NOTIFY THE ENGINEERING DEPARTMENT FOR INSPECTIONS MAY RESULT IN NON-ACCEPTANCE OF THE INFRASTRUCTURE BY THE TOWN. URBAN DRAINAGE AND FLOOD CONTROL DISTRICT MUST ALSO BE NOTIFIED IN A SIMILAR MANNER FOR ALL MAINTENANCE ELIGIBLE DRAINAGE INFRASTRUCTURES (CONSULT WITH STORMWATER ENGINEERING DIVISION).
- STRUCTURAL BACKFILL (CDOT CLASS 1) SHALL BE COMPACTED TO CONFORM TO CDOT STANDARD SPECIFICATION 203.03. STRUCTURAL BACKFILL (CDOT CLASS 2) SHALL CONFORM TO CDOT STANDARD SPECIFICATION 203.07. AT THE CONTRACTOR'S OPTION, STRUCTURAL BACKFILL (SQUEEGEE) MEETING THE GRADATION REQUIREMENTS CONTAINED IN REVISION OF SECTION 206 OF THE CDOT STANDARD SPECIFICATIONS AS PRESENTED IN THE SDECM, MAY BE SUBSTITUTED FOR STRUCTURE BACKFILL (CLASS 1) OR CLASS 2) FOR BACKFILLING OF CULVERT PIPES, STORM SEWER PIPES, MANHOLES AND INLET STRUCTURES; HOWEVER, THE TOP 2 FEET BELOW SUBGRADE ELEVATION SHALL BE THE REQUIRED EMBANKMENT MATERIAL.
- ALL EXCAVATIONS SHALL MEET OSHA REQUIREMENTS.
- TESTING: PROBATIONARY ACCEPTANCE OF STORM DRAINAGE IMPROVEMENTS WILL BE CONTINGENT UPON SATISFACTORY TESTING RESULTS. IN ALL CASES WHERE TESTS INDICATE COMPACTION LESS THAN THAT REQUIRED BY TOWN SPECIFICATIONS, ADDITIONAL COMPACTION AND TESTS WILL BE REQUIRED UNTIL THE SPECIFICATIONS ARE MET. FREQUENCY OF TESTING WILL BE AS FOLLOWS:
 - 1 TEST FOR SUBGRADE AND 1 TEST FOR BACKFILL AT EVERY ABOVE GROUND APPURTENANCE (MANHOLES, INLETS, ETC).
 - 1 TEST EVERY 200 LF OF MAINLINE TRENCH EVERY 1 FOOT OF BACKFILL LIFT AND WITHIN 1 FOOT FROM ALL STRUCTURES.
- ALLOWABLE STORM SEWER CONDUIT MATERIAL WITHIN THE TOWN OF PARKER SHALL BE LIMITED TO REINFORCED CONCRETE PIPE (RCP) CONFORMING TO CDOT STANDARD SPECIFICATION 706.02.
- ALL RCP JOINTS SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM C443. RUBBER GASKETS SHALL BE USED ON ALL PIPE JOINTS CONFORMING TO ASTM C443. ALL RCP SECTIONS SHALL BE JOINED IN SUCH A MANNER THAT THE ENDS ARE FULLY ENTERED AND THE INNER SURFACES ARE REASONABLE FLUSH. AVERAGE JOINT GAP THAT EXCEEDS 1/8 INCH SHALL BE FILLED WITH AN APPROVED FLEXIBLE PLASTIC SEALANT.
- JOINT RESTRAINTS AND TOE-WALLS, CONFORMING TO CDOT M&S STANDARD PLAN NO. M-601-11 SHALL BE USED ON ALL RCP FLARED END SECTION OUTFALLS.
- EPOXY COATED REBAR SHALL BE USED AS REINFORCING STEEL ON ALL STORM INLETS AND STRUCTURES. REFERENCE CDOT M&S STANDARD PLAN NO. M-604-10, 11, 12, AND 13.
- CDOT CLASS D CONCRETE SHALL BE USED FOR ALL CONCRETE DRAINAGE STRUCTURES.
- PRE-CAST INLETS AND MANHOLE BASES SHALL NOT BE USED WITHIN THE TOWN OF PARKER RIGHT-OF-WAY, WITH THE EXCEPTION OF CDOT TYPE C AND D INLETS.
- TWO- (2) MANHOLE ACCESS POINTS ARE REQUIRED ON ALL TYPE "R" CURB INLETS GREATER THAN OR EQUAL TO TEN (10) FEET IN LENGTH AS PRESENTED IN CDOT M&S STANDARD PLAN NO. M-604-12.
- ALL GROUTING (BOULDERS, RIPRAP) SHALL BE IN ACCORDANCE WITH THE REVISION OF SECTION 506 OF THE CDOT STANDARD SPECIFICATIONS AS PRESENTED IN THE SDECM.
- ALL BOULDERS AND RIPRAP SHALL BE SELECTED AND PLACED IN ACCORDANCE WITH THE REVISION OF SECTION 506 OF THE CDOT STANDARD SPECIFICATIONS AS PRESENTED IN THE SDECM.
- CONTRACTOR SHALL REFER TO THE TOWN OF PARKER'S CONSTRUCTION BEST MANAGEMENT PRACTICES DETAILS AND NOTES FOR ALL REQUIREMENTS RELATING TO RE-VEGETATION, SEDIMENT AND EROSION CONTROL REQUIREMENTS FOR CONSTRUCTION ACTIVITIES.
- PIPE BELLS SHALL NOT BE CAST INTO MANHOLE BASES OR INLETS.

TOWN OF PARKER DEPARTMENT OF ENGINEERING/ PUBLIC WORKS STANDARD CONSTRUCTION NOTES:

- ALL MATERIALS AND CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE COLORADO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE LATEST EDITION OF THE TOWN OF PARKER ROADWAY DESIGN AND CONSTRUCTION CRITERIA MANUAL, AND THE TOWN OF PARKER STORM DRAINAGE AND ENVIRONMENTAL CRITERIA MANUAL.
- ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE TOWN OF PARKER PUBLIC WORKS DEPARTMENT. THE TOWN RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO ITS STANDARDS AND SPECIFICATIONS.
- A PRECONSTRUCTION MEETING SHALL BE SCHEDULED A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF CONSTRUCTION. A PRECONSTRUCTION MEETING WILL NOT BE SCHEDULED UNTIL THE GRADING PERMIT AND ALL OTHER NECESSARY PERMITS HAVE BEEN OBTAINED.
- THE TOWN INSPECTOR SHALL BE CONTACTED A MINIMUM OF 24 HOURS PRIOR TO A NECESSARY INSPECTION. IF A TOWN INSPECTOR IS NOT AVAILABLE AFTER PROPER NOTICE OF CONSTRUCTION ACTIVITY HAS BEEN PROVIDED, THE PERMITTEE MAY COMMENCE WORK IN THE TOWN INSPECTOR'S ABSENCE. HOWEVER, THE TOWN OF PARKER RESERVES THE RIGHT TO REJECT THE IMPROVEMENT IF SUBSEQUENT TESTING REVEALS AN IMPROPER INSTALLATION.
- LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ACTUAL CONSTRUCTION IN ACCORDANCE WITH ALL STATE AND LOCAL LAWS. THE CONTRACTOR SHALL FIELD VERIFY SIZE AND HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING FACILITIES PRIOR TO CONSTRUCTION, AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE PLANS, APPROVED BY THE TOWN OF PARKER DIRECTOR OF ENGINEERING/PUBLIC WORKS, AND ONE (1) COPY OF THE ROADWAY DESIGN AND CONSTRUCTION CRITERIA AT THE JOB SITE AT ALL TIMES.
- A PLAN FOR TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE SUBMITTED TO THE TOWN OF PARKER FOR ACCEPTANCE WITH THE RIGHT-OF-WAY USE PERMIT APPLICATION. A PERMIT WILL NOT BE ISSUED WITHOUT AN APPROVED TRAFFIC CONTROL PLAN FOR USE DURING CONSTRUCTION.
- ALL TRENCHES SHALL BE ADEQUATELY SUPPORTED AND THE SAFETY OF WORKERS PROVIDED FOR AS REQUIRED BY THE MOST RECENT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) "SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION."
- COMPACTION OF ALL TRENCHES MUST BE ATTAINED AND COMPACTION TEST RESULTS SUBMITTED TO THE DEVELOPMENT REVIEW ENGINEER IN PRELIMINARY FORM PRIOR TO PAVING AND IN FINAL FORM PRIOR TO PROBATIONARY ACCEPTANCE.
- THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING EROSION AND SEDIMENT CONTROL MEASURES AT ALL TIMES DURING CONSTRUCTION. THE PLAN MAY BE MODIFIED AS FIELD CONDITIONS WARRANT WITH APPROVAL FROM THE TOWN OF PARKER PUBLIC WORKS DEPARTMENT.
- THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN PROPER TRAFFIC CONTROL DEVICES UNTIL THE SITE IS OPEN TO TRAFFIC. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE TOWN OF PARKER PUBLIC WORKS DEPARTMENT FOR APPROVAL PRIOR TO CONSTRUCTION.
- PLANS ARE APPROVED FOR PERIOD OF 1 (ONE) YEAR FROM THE DATE SHOWN ON THE TOWN OF PARKER SIGNATURE BLOCK. PLANS SHALL BE RESUBMITTED TO THE TOWN FOR APPROVAL AFTER 1 YEAR. THE COST OF THE PLAN RE-REVIEW AND RE-ACCEPTANCE WILL BE CHARGED BACK TO THE DEVELOPER INCLUDING ALL TIME AND EXPENSES OF THE TOWN OF PARKER PUBLIC WORKS DEPARTMENT.
- REPAIR OF ANY DAMAGE TO EXISTING IMPROVEMENTS OR LANDSCAPING IS THE RESPONSIBILITY OF THE CONTRACTOR. SUCH RESTORATION MAY BE REQUIRED TO BE COMPLETED PRIOR TO ACCEPTANCE OF COMPLETED IMPROVEMENTS.
- ALL DAMAGED EXISTING CURB, GUTTER, AND SIDEWALK SHALL BE REPAIRED PRIOR TO ACCEPTANCE OF COMPLETED IMPROVEMENTS.
- ALL CONSTRUCTION ACTIVITIES MUST COMPLY WITH THE STATE OF COLORADO PERMITTING PROCESS FOR "STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY." FOR INFORMATION, PLEASE CONTACT COLORADO DEPARTMENT OF HEALTH, WATER QUALITY CONTROL DIVISION, WOOD-PE-B2, 4300 CHERRY DRIVE SOUTH, DENVER, COLORADO 80222-1530. ATTENTION: PERMITS AND ENFORCEMENT SECTION. PHONE (303) 692-3500.
- IF DEWATERING IS REQUIRED, A STATE CONSTRUCTION DEWATERING DISCHARGE PERMIT IS REQUIRED FOR DISCHARGES TO A STORM SEWER, CHANNEL, IRRIGATION DITCH, ANY STREET THAT IS TRIBUTARY TO THE AFOREMENTIONED FACILITIES, OR ANY WATER OF THE UNITED STATES.
- ALL REFERENCES TO BOOKS, PAGES, MAPS, AND RECEPTION NUMBER ARE PUBLIC DOCUMENTS ON FILE WITH THE COUNTY CLERK AND RECORDER'S OFFICE.

HORIZONTAL CONTROL NOTES:

- BASIS OF BEARINGS: BEARINGS ARE BASED ON THE LINE FROM CONTROL POINT 200 TO CONTROL POINT 201, MONUMENTED AS SHOWN HEREON BEARING N 53°47'17" E.
- THE CONTRACTOR SHALL VERIFY THAT BUILDING GRID LOCATIONS ARE CONSISTENT WITH LATEST ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.

PAVING NOTES:

- THE CONTRACTOR SHALL ADJUST EXISTING AND PROPOSED MANHOLES, WATER VALVES AND OTHER SURFACE APPURTENANCES WITHIN THE LIMITS OF WORK TO FINISHED GRADE.
- THE CONTRACTOR SHALL REFER TO ARCHITECTURAL/LANDSCAPE PLANS FOR CONCRETE SCORING PATTERNS, COLOR AND FINISHING.
- PROPOSED PAVEMENT DESIGN IS BASED UPON THE GEOTECHNICAL REPORT BY KUMAR & ASSOCIATES, INC. DATED MARCH 28, 2024. S.A. MIRO, INC. MAKES NO WARRANTIES OR CERTIFICATION OF PAVEMENT PERFORMANCE.

UTILITY NOTES:

- LOCATION OF ALL EXISTING UTILITIES (PRIVATE AND PUBLIC) SHALL BE IDENTIFIED AND VERIFIED BY THE CONTRACTOR PRIOR TO MOBILIZATION, CONSTRUCTION AND ORDERING OF MATERIALS. IF ANY CONFLICTS OR DISCREPANCIES ARE FOUND THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY. THE CONTRACTOR SHALL BEAR THE FULL COST OF REMOVAL, REPLACEMENT, REPAIR AND DELAYS RELATED TO ANY AND ALL UNVERIFIED EXISTING CONDITIONS.
- ALL UTILITY LENGTHS AND QUANTITIES SHOWN ON THESE PLANS ARE FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND QUANTITIES PRIOR TO ORDERING OF ANY MATERIALS.
- PIPE LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
- WHERE FLARED END SECTIONS ARE REQUIRED, THE LENGTH OF PIPE INCLUDES THE FLARED END SECTION.
- ALL UTILITY WORK SHALL BE COMPLETED PRIOR TO ANY PAVING.
- CONTRACTOR SHALL SURVEY THE LOCATION AND ELEVATION OF ALL INSTALLED UTILITIES PRIOR TO TRENCH BACKFILL, AND PROVIDE SURVEY INFORMATION TO THE ENGINEER UPON COMPLETION OF THE PROJECT FOR AS-BUILT DOCUMENTATION.

GRADING NOTES:

- SITE GRADING (EXCAVATION, EMBANKMENTS, AND COMPACTION) SHALL CONFORM TO THE RECOMMENDATIONS OF THE LATEST GEOTECHNICAL REPORT FOR THIS PROPERTY.
- SPOT ELEVATIONS MAY BE ABBREVIATED FOR CLARITY. REFER TO THE ADJACENT CONTOUR LABELS FOR FULL ELEVATIONS.
- MAXIMUM PROPOSED SLOPES SHALL BE 4:1 UNLESS NOTED OTHERWISE.
- SPOT ELEVATIONS ARE TO FLOWLINE UNLESS NOTED OTHERWISE.
- PROPOSED GRADING SHALL MEET AND MATCH EXISTING GRADE AT LIMITS OF DISTURBANCE.
- PROPOSED GRADING AS SHOWN REFLECTS PLANNED FINISHED GRADE. THE CONTRACTOR SHALL ACCOUNT FOR PAVEMENT DEPTH, SUBGRADE REQUIREMENTS, OVEREXCAVATION, TOPSOIL, AND ANY PLANNED SURFACING CONSTRUCTION.
- MAXIMUM TEMPORARY SLOPES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS AND IN COMPLIANCE WITH OSHA REQUIREMENTS.
- DIRECTIONAL SLOPE ARROWS INDICATE THE SLOPE OF THE FINISHED GRADE IN THE DIRECTION OF THE ARROW, TYPICALLY IN THE DIRECTION OF TRAVEL OR CROSS-SLOPE OF PROPOSED PAVEMENT. THE ARROW DOES NOT NECESSARILY POINT DOWNHILL IN THE DIRECTION OF MAXIMUM SLOPE.
- THE GRADING AND STORM DRAINAGE DESIGN PRESENTED HEREIN IS DESIGNED TO CONVEY STORMWATER RUNOFF OFFSITE DURING A 100-YEAR STORM EVENT. DURING AND FOLLOWING THIS STORM EVENT, FLOODING OF STREETS AND SITE MAY OCCUR. THE PROPOSED INTERIOR FINISHED FLOOR ELEVATION IS DESIGNED TO BE ABOVE THE WATER SURFACE LEVEL ASSOCIATED WITH THE 100-YEAR STORM EVENT. THIS APPROACH ADHERES TO THE CRITERIA DEVELOPED BY THE MILE HIGH FLOOD DISTRICT (MHFD), AS PRESENTED IN THE URBAN STORM DRAINAGE CRITERIA MANUAL, ALONG WITH THE LOCAL JURISDICTIONAL DRAINAGE REQUIREMENTS. THIS DESIGN MEETS THE CURRENT BEST ENGINEERING PRACTICES IN THE REGION AND THE LOCAL STANDARD OF CARE.
- A 100-YEAR STORM EVENT IS DEFINED AS HAVING A 1-HOUR RAINFALL DEPTH OF 2.31 INCHES. STORM INFRASTRUCTURE IS DESIGNED TO ACCOMMODATE A RATE OF FLOW, THEREFORE IT IS POSSIBLE TO EXPERIENCE FLOODING IF THE RATE OF PRECIPITATION IS HIGHER THAN THE DESIGN STORM, EVEN IF THE STORM EVENT TOTALS LESS THAN 2.31 INCHES. EXTREME STORM EVENTS CAN BE HYPER-LOCALIZED, AND MAY NOT BE WELL REPRESENTED BY NEARBY RAIN GAUGES.
- FURTHER, STORMWATER MANAGEMENT SYSTEMS REQUIRE REGULAR MAINTENANCE. FAILURE TO PROVIDE PROPER MAINTENANCE REDUCES THE HYDRAULIC CAPACITY OF THE SYSTEM AND MAY RESULT IN FLOODING. S. A. MIRO, INC. IS NOT RESPONSIBLE FOR SITE FLOODING THAT OCCURS AS A RESULT OF EITHER EXTREME STORM EVENTS, OR OF POORLY-MAINTAINED AT-GRADE AND BELOW-GRADE STORM INFRASTRUCTURE UTILITIES.
- THE CONTRACTOR SHALL CONFORM TO OVEREXCAVATION REQUIREMENTS DETAILED WITHIN THE PROJECT SPECIFICATIONS AND GEOTECHNICAL REPORT. OVEREXCAVATION REQUIREMENTS ARE NOT DEPICTED ON THE CIVIL PLANS.

GENERAL NOTES:

- THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS AT AND ADJACENT TO THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- THE CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO COMPLETE THE WORK SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIFICATIONS IN A SATISFACTORY MANNER. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, EQUIPMENT, TOOLS, LABOR, AND INCIDENTALS TO COMPLETE THE WORK.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AT THEIR EXPENSE TO COMPLETE ALL GRADING, UTILITY WORK AND INSTALLATION OF EROSION CONTROL MEASURES.
- THE CONTRACTOR SHALL COORDINATE WORK WITH ALL ADJACENT PROJECTS.
- DURING CONSTRUCTION IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT EXISTING UTILITY LINES SHOWN ON THESE PLANS AND THOSE UTILITY LINES WHICH MAY NOT BE SHOWN ON THESE PLANS.
- EXISTING SITE INFORMATION SHOWN ON THESE DRAWINGS IS BASED UPON AVAILABLE SURVEY BY FARNSWORTH GROUP DATED APRIL 30, 2024. S.A. MIRO, INC. MAKES NO WARRANTIES OR CERTIFICATION OF THE COMPLETENESS OR ACCURACY OF THE EXISTING CONDITIONS PRESENTED. THE CONTRACTOR SHALL INSPECT THE SITE TO ASSESS EXISTING CONDITIONS, AND SATISFY THEMSELVES THAT THE DOCUMENTS ACCURATELY REPRESENT THE SITE CONDITIONS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES FOUND DURING INITIAL INSPECTIONS, OR SUBSEQUENTLY, SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY FOR RESOLUTION RELATIVE TO THE INTENDED CONSTRUCTION.
- THE EXISTING UTILITIES SHOWN ON THESE PLANS HAVE BEEN LOCATED USING FIELD SURVEY DATA LOCATING MANHOLES, WATER VALVES, ELECTRICAL EQUIPMENT, AND OTHER FEATURES FOUND AT THE SURFACE. NO SUBSURFACE EXPLORATION HAS BEEN DONE TO VERIFY EXACT LOCATION OF EXISTING UTILITIES. THE CONTRACTOR SHALL POTHOLE EXISTING UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY POTENTIAL CONFLICT PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL BEAR THE FULL COST OF REMOVAL, REPLACEMENT AND DELAY RELATED TO UNVERIFIED EXISTING CONDITIONS. WHERE THE CONTRACTOR FINDS CONFLICTS OR DISCREPANCIES, THEY SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER.
- THE CONTRACTOR SHALL NOTIFY APPROPRIATE ENTITIES FOR UTILITY LOCATES AND START OF CONSTRUCTION PRIOR TO ANY WORK BEING STARTED.
- THE CONTRACTOR SHALL NOTIFY AND COORDINATE WITH ALL AFFECTED PARTIES PRIOR TO ANY OUTAGES OR SHUTDOWNS OF SERVICE.
- ALL QUANTITIES SHOWN ON THESE PLANS ARE SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL FIELD VERIFY ALL QUANTITIES PRIOR TO CONSTRUCTION AND ORDERING OF ANY MATERIALS.
- THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.
- THE CONTRACTOR SHALL FOLLOW/VERIFY THE INTENT OF THE DESIGN AT ALL LOCATIONS OF TIE-IN TO EXISTING FEATURES.
- TO REDUCE THE POTENTIAL FOR CLOGGING OF DEBRIS GRATES, NO STRAW MULCH SHALL BE USED WITHIN THE EXCESS URBAN RUNOFF VOLUME OF A DETENTION BASIN. INSTEAD, EROSION CONTROL BLANKET SHALL BE INSTALLED FOR A WIDTH OF AT LEAST 6- FEET ON BOTH SIDES OF THE CONCRETE LOW FLOW CHANNELS OR UP TO A DEPTH OF 1-FOOT IN SOIL. RIPRAP OR BENCHED LOW FLOW CHANNELS, ADDITIONALLY, HYDRAULICALLY APPLIED WOOD FIBER MULCH, STABILIZED FIBER MATRIX, BONDED FIBER MATRIX, OR FLEXIBLE GROWTH MEDIUM SHALL BE USED IN ALL OTHER AREAS WITHIN THE EXCESS URBAN RUNOFF VOLUME OF THE DETENTION BASIN. THE BLANKET AND HYDRAULICALLY APPLIED MULCH SHALL COMPLY WITH THE MATERIALS AND INSTALLATION REQUIREMENTS FOR EROSION CONTROL BLANKETS AS REQUIRED BY THE TOWN'S CBMP PROGRAM, AND WHERE APPLICABLE, THE PRODUCT MANUFACTURER.

DEMOLITION NOTES:

- UNLESS OTHERWISE NOTED, EXISTING UTILITIES AND STRUCTURES SHALL REMAIN AND BE PROTECTED IN PLACE.
- THE CONTRACTOR SHALL PROTECT ALL ADJACENT IMPROVEMENTS (BUILDINGS, ROADWAYS, FENCES, PARKING LOTS, UTILITIES, ETC.) FROM DAMAGE AND EROSION. ALL DISTURBED AREAS OUTSIDE OF THE LIMITS OF WORK SHALL BE RESTORED TO THEIR ORIGINAL CONDITION.

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08/16/2024 <td>2ND TOWN SUBMITTAL</td>	2ND TOWN SUBMITTAL
10/10/2024 <td>3RD TOWN SUBMITTAL</td>	3RD TOWN SUBMITTAL

ADVENTHEALTH PARKER EXPANSION
PARKER, CO 80138
CIVIL NOTES AND LEGEND

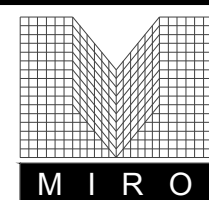
PROJECT: ADVENTHEALTH PARKER EXPANSION
 DRAWING TITLE: CIVIL NOTES AND LEGEND
 FILE PATH: C:\Users\ghDACC\Documents\ S. A. Miros\Civil\Jobs\23079 AHP Expansion\05 CAD\Plans and Details\C000-COVR.dwg C001 - 10/9/2024

COLORADO REGISTERED PROFESSIONAL ENGINEER
 47666
 10/09/24

DESIGNED BY:	RJH
DRAWN BY:	EDS
CHECKED BY:	MHV
MIRO JOB NO.	23079

DRAWING NUMBER:

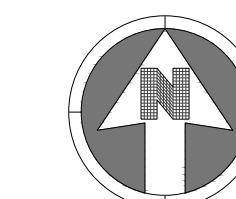
A-C001



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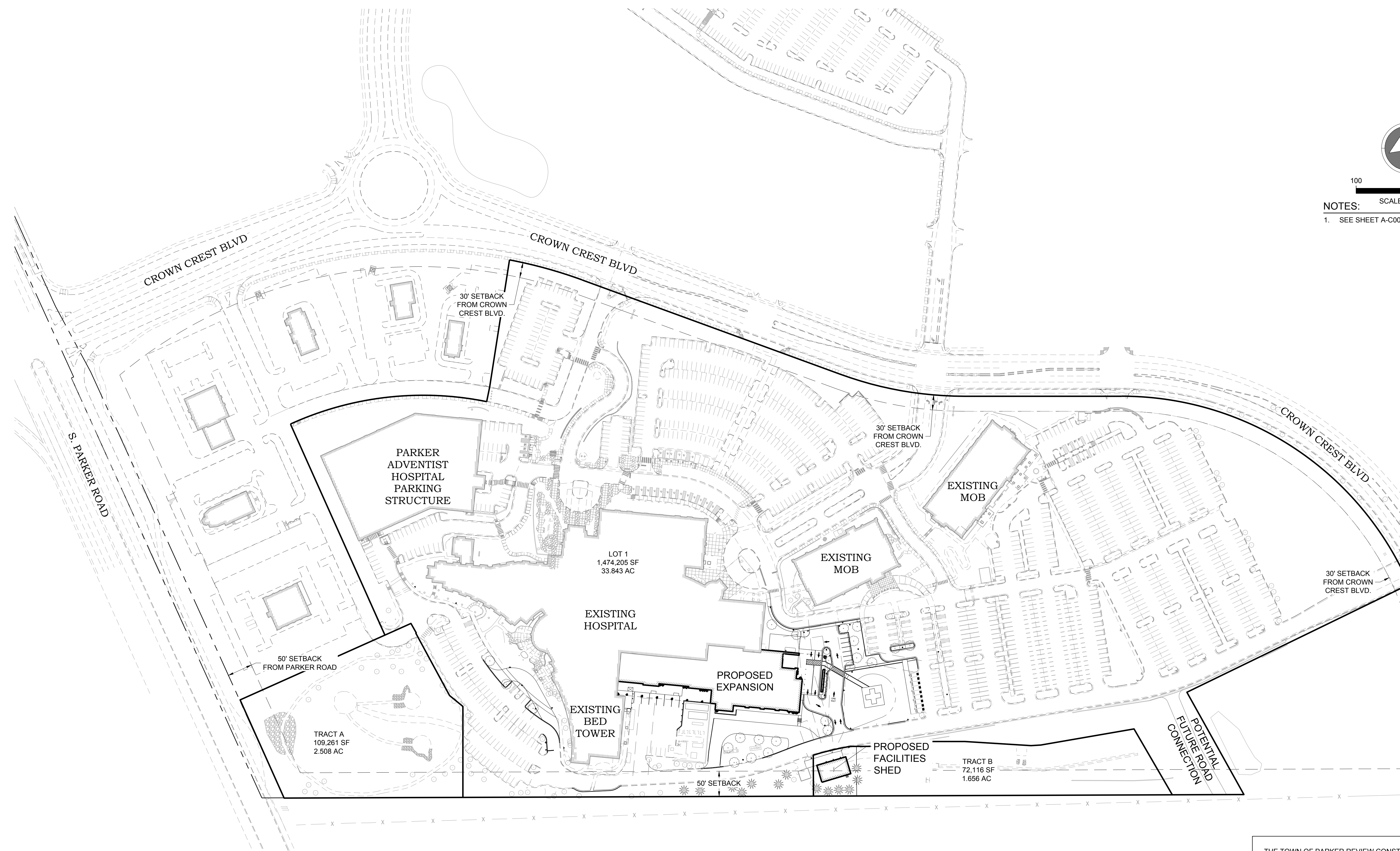
100 0 100

NOTES:

1. SEE SHEET A-C001 FOR CIVIL NOTES AND LEGEND.

2678.56' ± 1293.81' ± 100' ± 0701" W E. LINE NW1/4 OF SECTION 10
 BASIS OF BEARINGS

N 1/4 CORNER
 SECTION 10
 T. 6 S., R. 66 W.,
 6TH P.M. #6
 REBAR W/
 3.25" ALUMINUM CAP
 IN RANGE BOX
 "PLS 9329 2005"



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1	1ST TOWN SUBMITTAL	06/03/2024
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3	3RD TOWN SUBMITTAL	10/10/2024

PROJECT: **ADVENTHEALTH PARKER EXPANSION
 PARKER, CO 80138**

DRAWING TITLE: **OVERALL SITE PLAN**

FILE PATH: C:\Users\ghd\OneDrive\Documents\S. A. Miros, Inc.\Civil\Jobs\23079 AHP Expansion\05 CAD\Plans and Details\C021-SITE-PLAN.dwg C021 - 10/9/2024



DESIGNED BY: RJH
 DRAWN BY: EDS
 CHECKED BY: MHV
 MIRO JOB NO. 23079

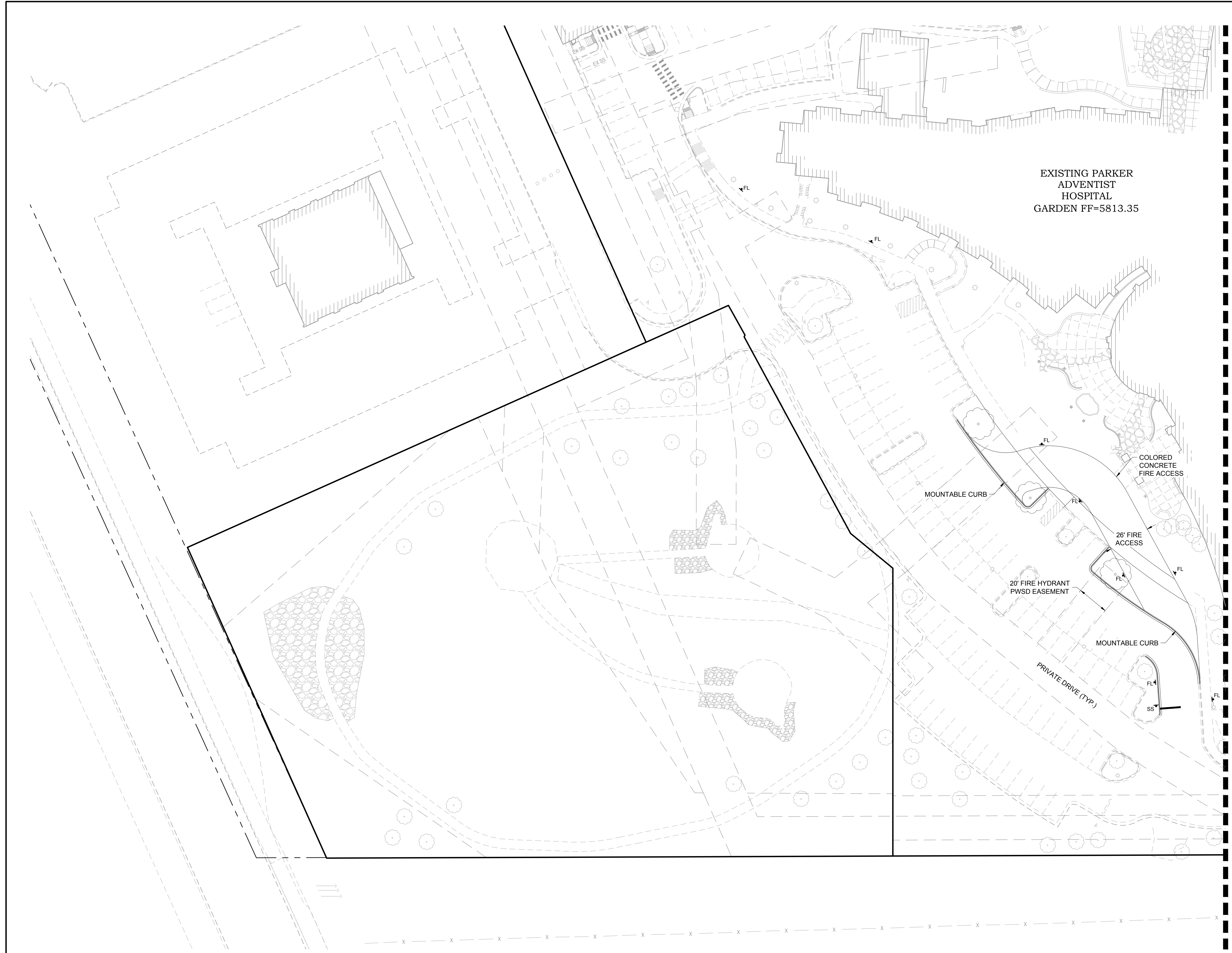
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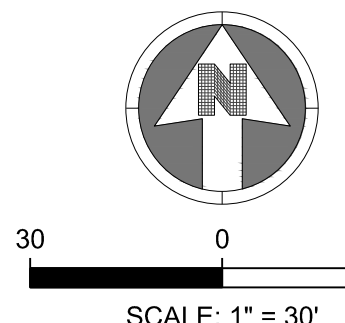
Town of Parker, Director of Engineering/Public Works Date



EXISTING PARKER
ADVENTIST
HOSPITAL
GARDEN FF=5813.35



KEYMAP
NTS



NOTES:
1. SEE SHEET A-C001 FOR CIVIL NOTES AND LEGEND.

LEGEND:

- ▲-SS PROPOSED "STOP" SIGN
RE: DTL. 4 / A-A-C452
- ▲-FL PROPOSED "FIRE LANE" SIGN
RE: DTL. 4 / A-C452
- ▲-EVO PROPOSED "EMERGENCY VEHICLES ONLY" SIGN
RE: DTL. 4 / A-C452

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3	3RD TOWN SUBMITTAL	10/10/2024

PROJECT: **ADVENTHEALTH PARKER EXPANSION
PARKER, CO 80138**

DRAWING TITLE: **SITE PLAN**

FILE PATH:



DESIGNED BY: R/JH
DRAWN BY: EDS
CHECKED BY: MHV
MIRO JOB NO. 23079

DRAWING NUMBER:

A-C022

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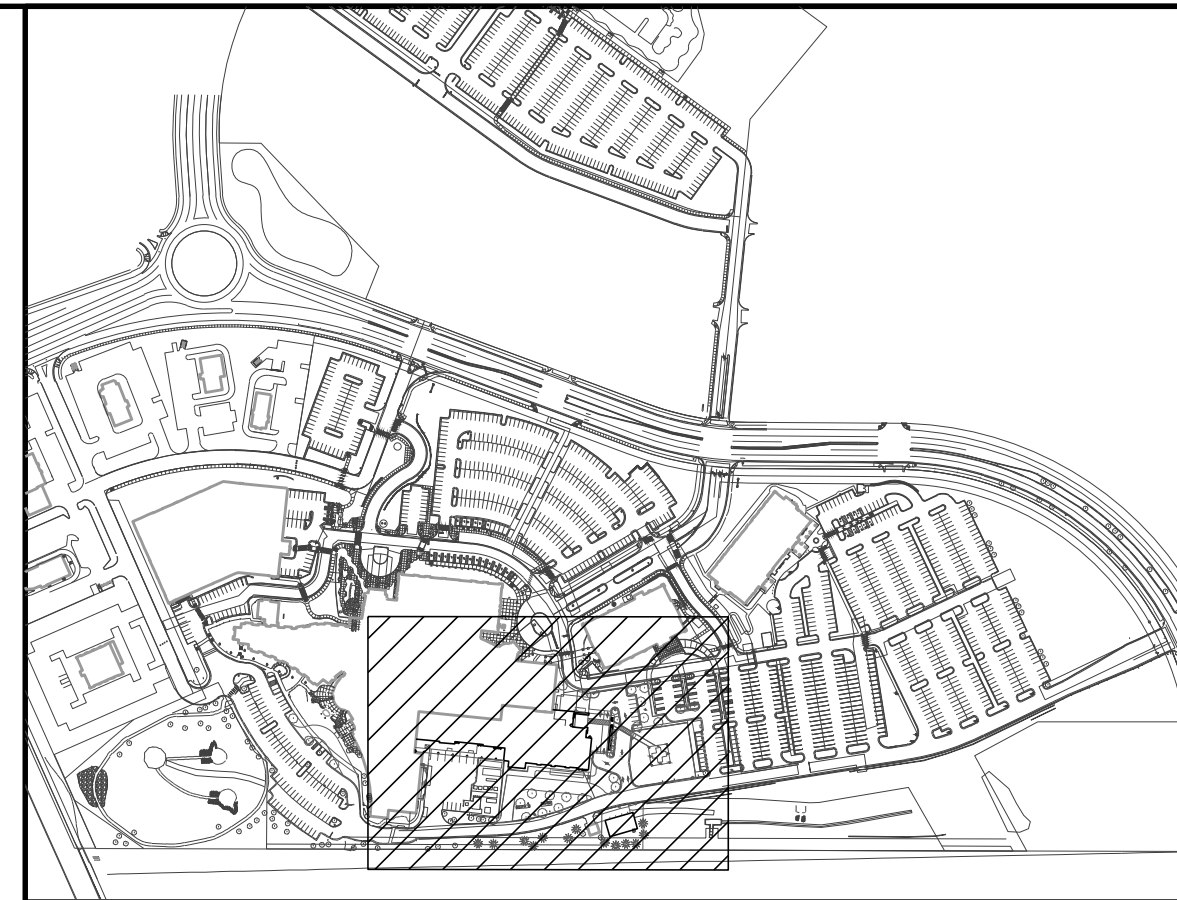
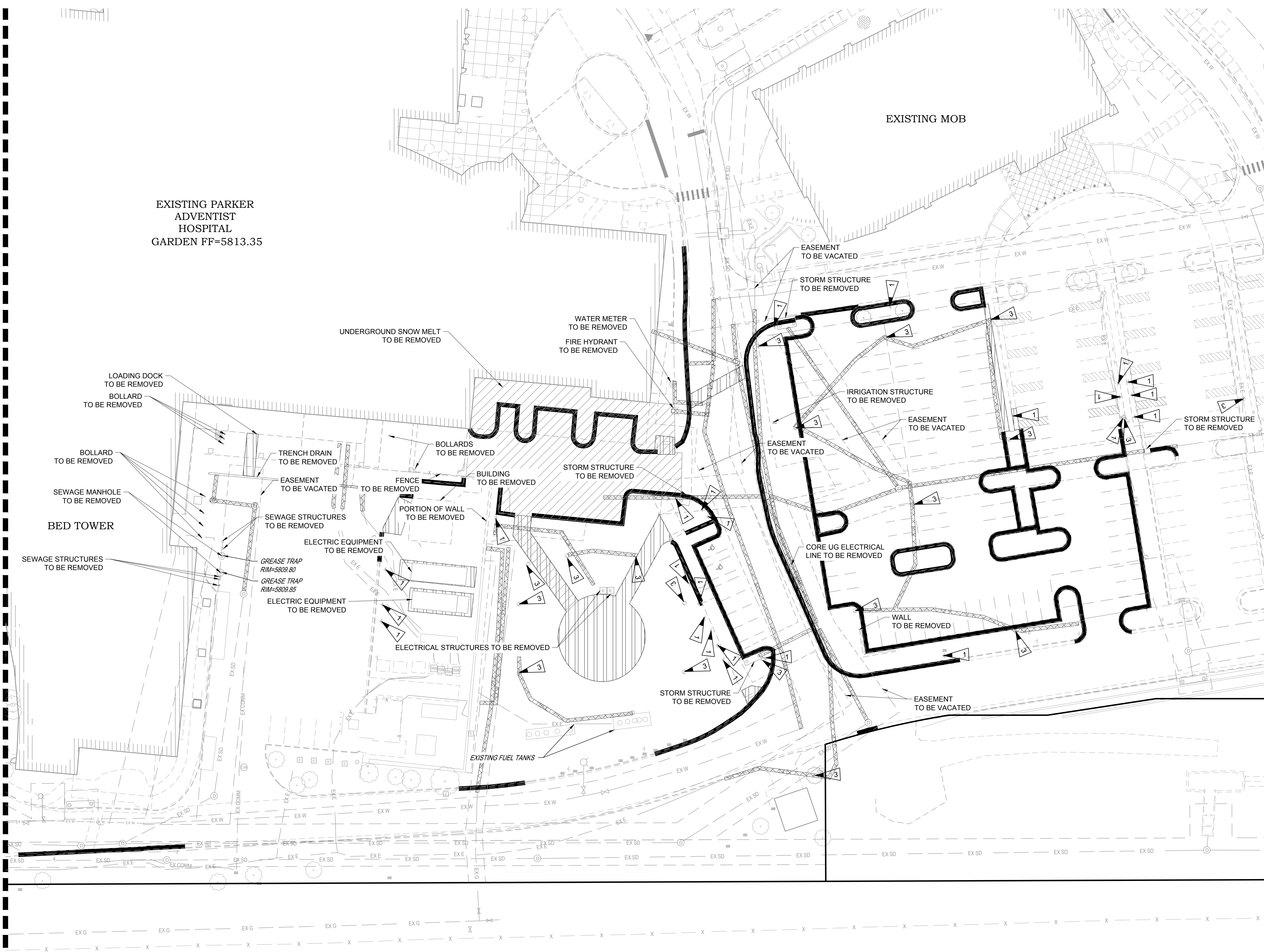
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Town of Parker, Director of Engineering/Public Works Date

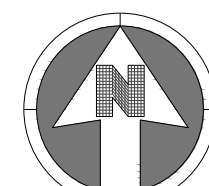
SEE SHEET A-C111

EXISTING PARKER
ADVENTIST
HOSPITAL
GARDEN FF=5813.35

EXISTING MOB



KEYMAP
NTS



SCALE: 1" = 30'

NOTES:

- 1. SEE SHEET A-C001 FOR CIVIL NOTES AND LEGEND.

LEGEND:

- [Hatched pattern] UTILITY TO BE REMOVED
- [Thick solid line] CURB AND GUTTER REMOVAL
- [Diagonal hatched pattern] CONCRETE SIDEWALK REMOVAL
- [Cross-hatched pattern] ASPHALT PAVEMENT REMOVAL
- [Dashed line] SAWCUT LINE
- [Thin solid line] UTILITY TO BE ABANDONED
- [Triangle with 1] REMOVE/ RELOCATE SIGN
- [Triangle with 2] REMOVE/ RELOCATE TREE
- [Triangle with 3] REMOVE/ RELOCATE LIGHT POLE

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NO.	DESCRIPTION
1	
2	
3	

PROJECT: **ADVENTHEALTH PARKER EXPANSION
PARKER, CO 80138**

DRAWING TITLE: **DEMOLITION PLAN**

FILE PATH:



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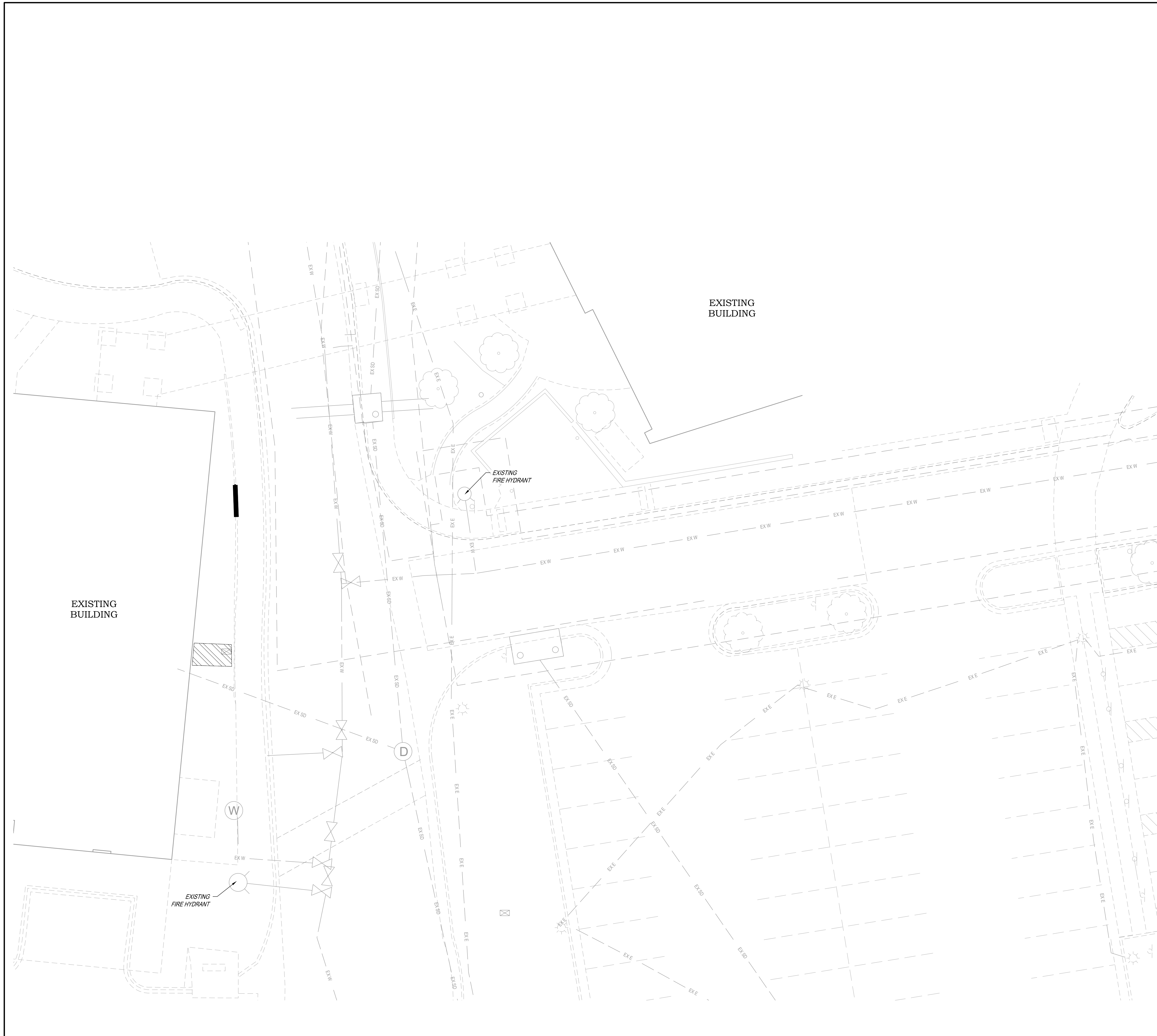
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DESIGNED BY: RJH
DRAWN BY: EDS
CHECKED BY: MHV
MIRO JOB NO. 23079

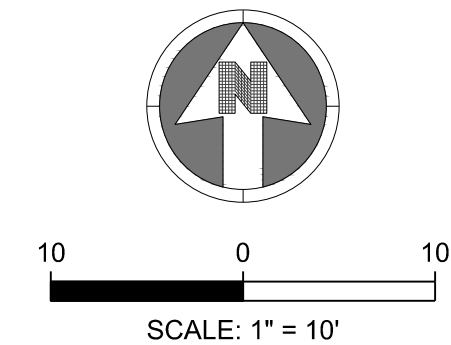
DRAWING NUMBER:

A-C112

Town of Parker, Director of Engineering/Public Works Date



KEYMAP
NTS



NOTES:
1. SEE SHEET A-C001 FOR CIVIL NOTES AND LEGEND.

- LEGEND:**
- CURB AND GUTTER REMOVAL
 - CONCRETE SIDEWALK REMOVAL
 - ASPHALT PAVEMENT REMOVAL
 - SAWCUT LINE
 - REMOVE/ RELOCATE SIGN
 - REMOVE/ RELOCATE TREE
 - REMOVE/ RELOCATE LIGHT POLE

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3	3RD TOWN SUBMITTAL	10/10/2024

PROJECT: **ADVENTHEALTH PARKER EXPANSION
PARKER, CO 80138**

DRAWING TITLE: **PRE-ENABLING DEMOLITION PLAN**

FILE PATH: C:\Users\ghj\Documents\S. A. Miros, Inc.\Civil\Jobs\23079 AHP Expansion\05 CAD\Plans and Details\C113-PRE-DEMOL-PLAN.dwg C113 - 10/9/2024



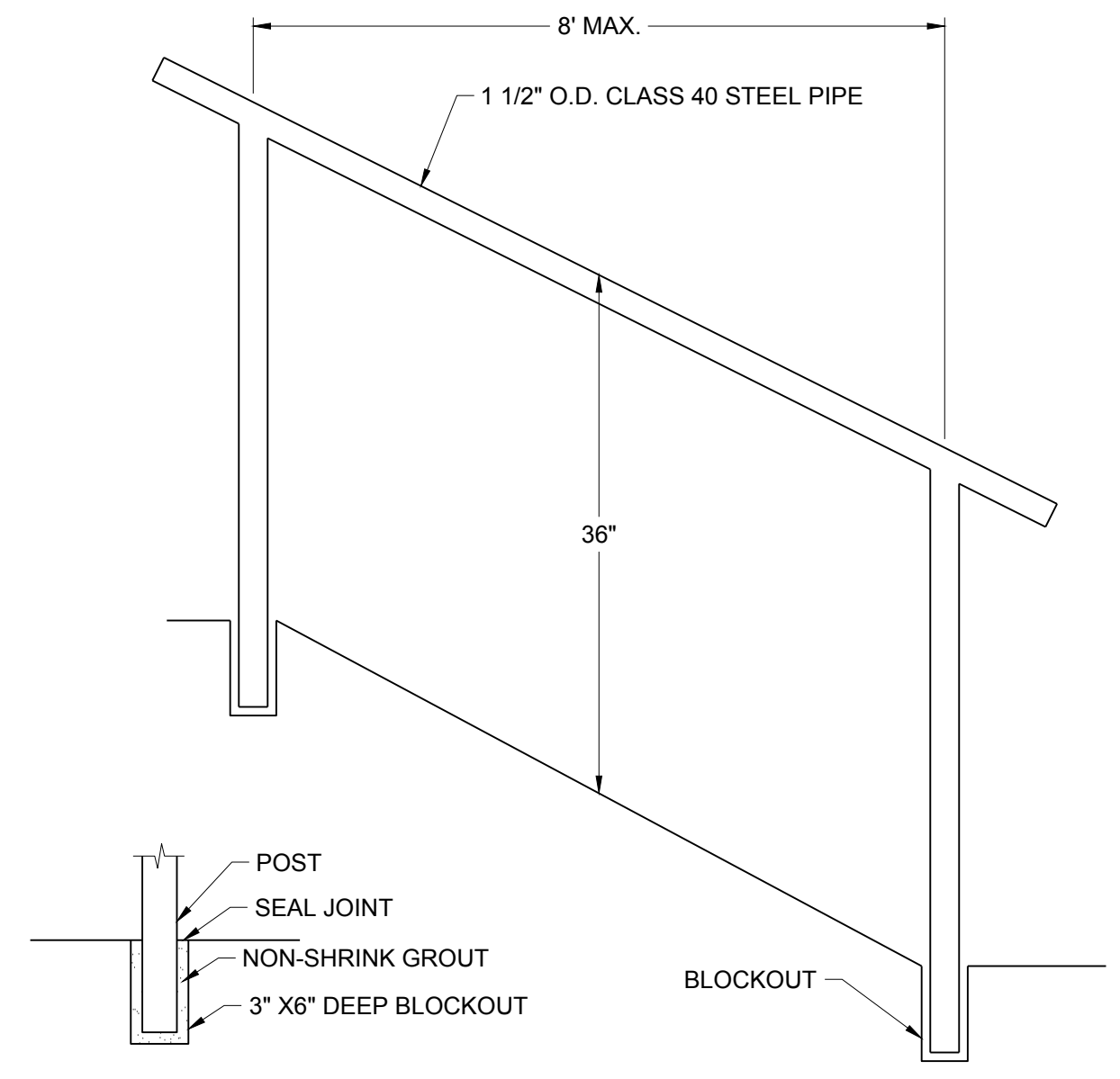
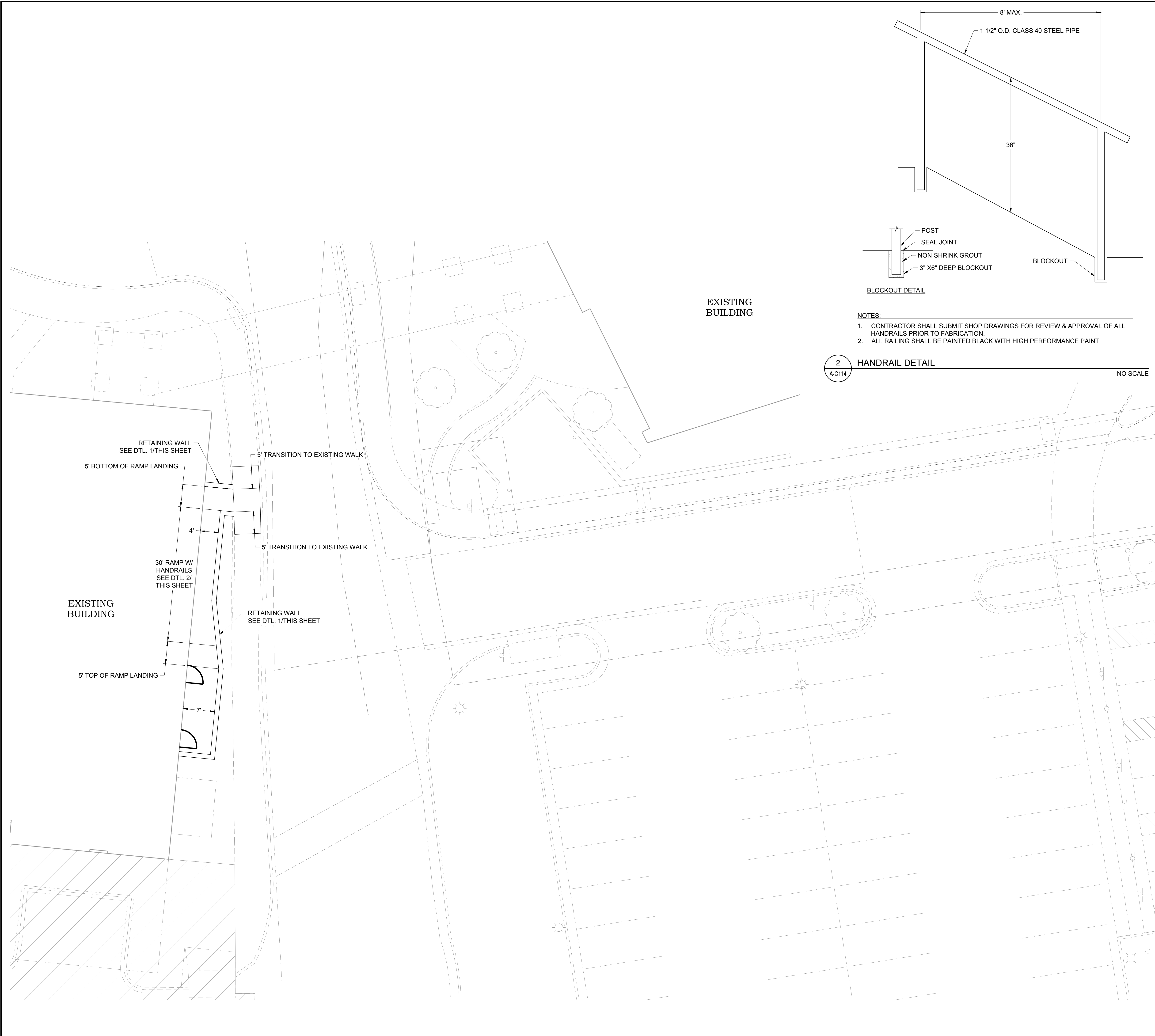
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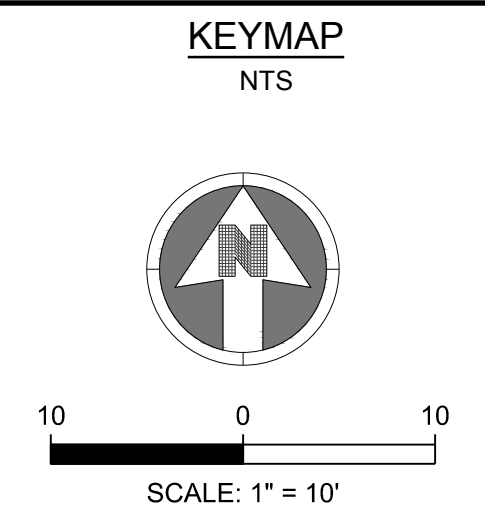
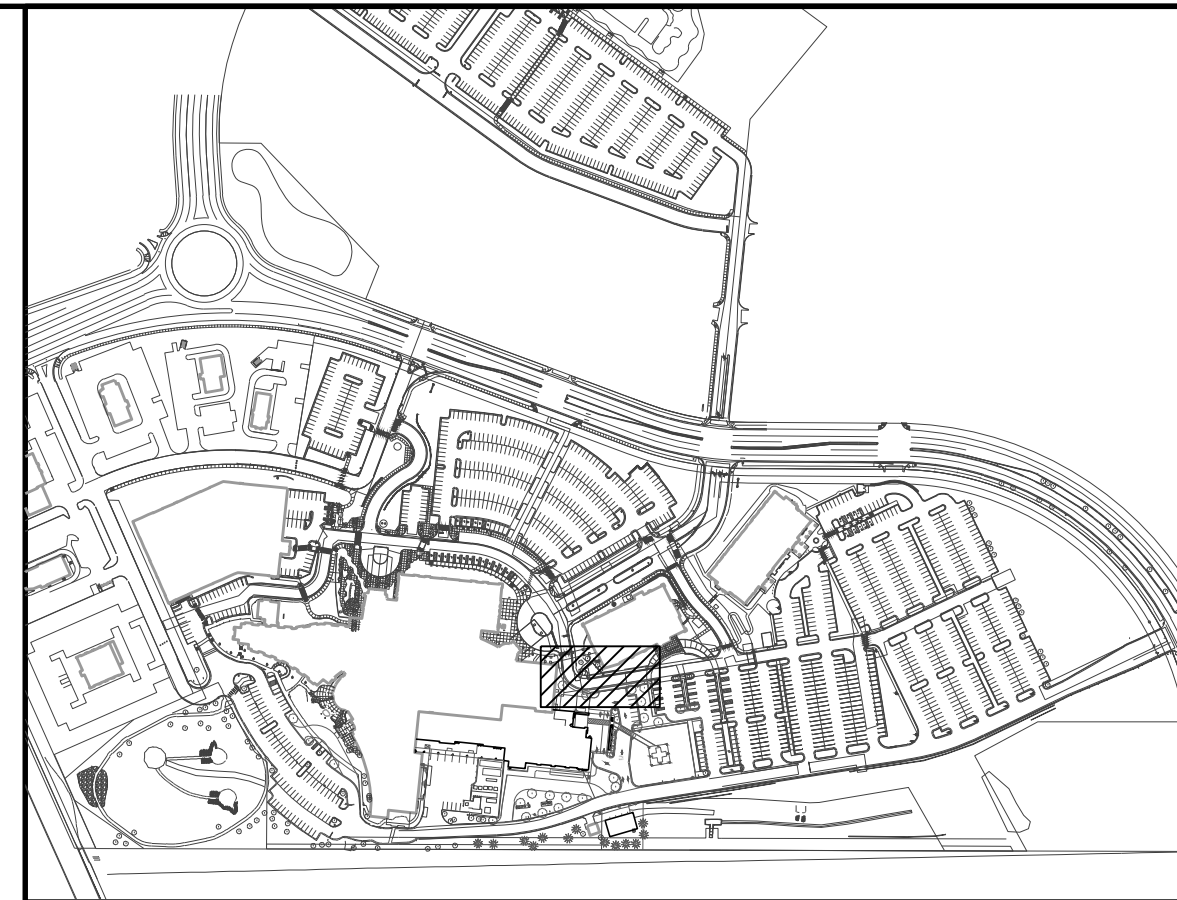
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NOTES:

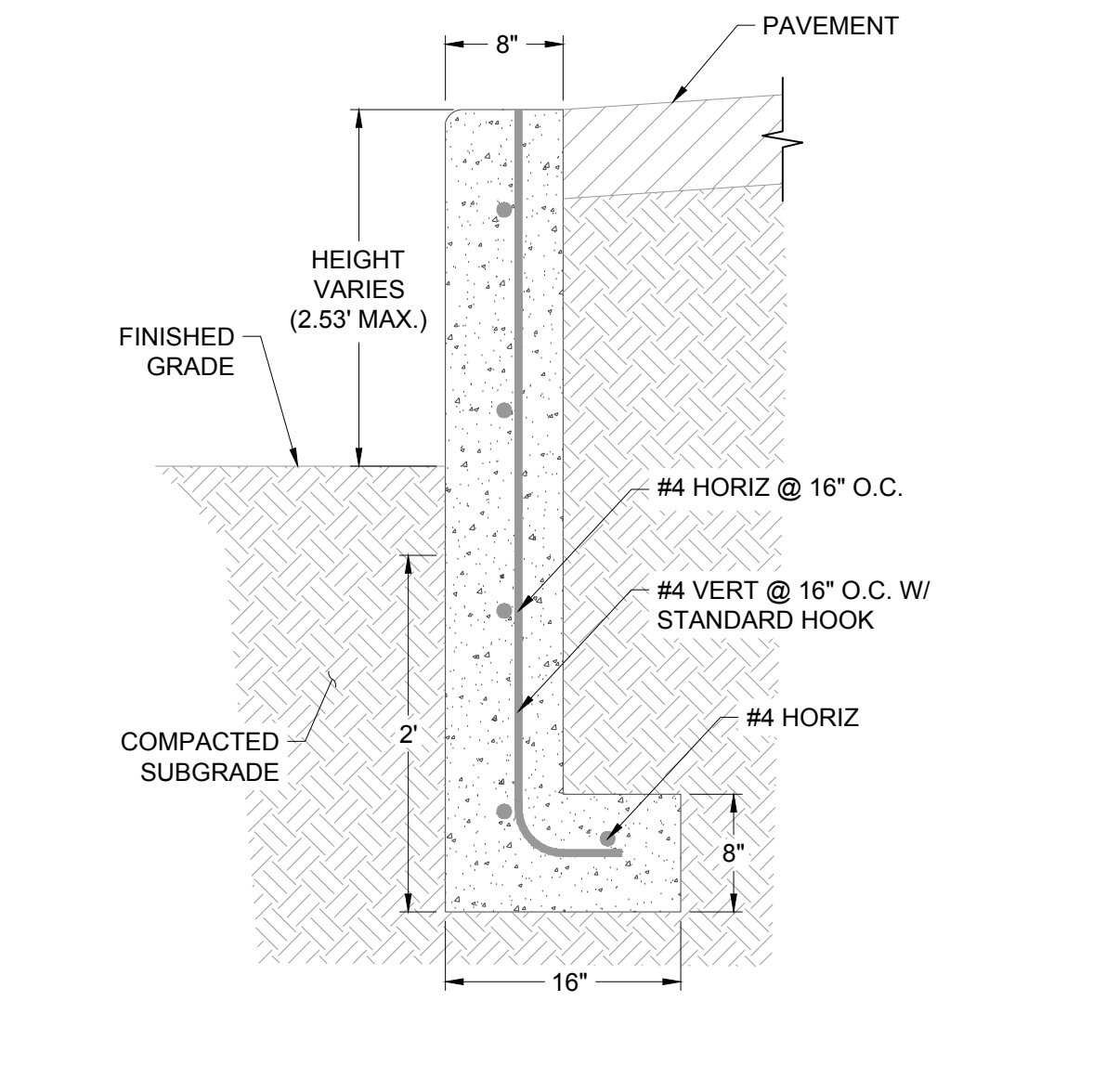
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW & APPROVAL OF ALL HANDRAILS PRIOR TO FABRICATION.
- ALL RAILING SHALL BE PAINTED BLACK WITH HIGH PERFORMANCE PAINT

2 HANDRAIL DETAIL NO SCALE
A-C114



NOTES:

- SEE SHEET A-C001 FOR CIVIL NOTES AND LEGEND.



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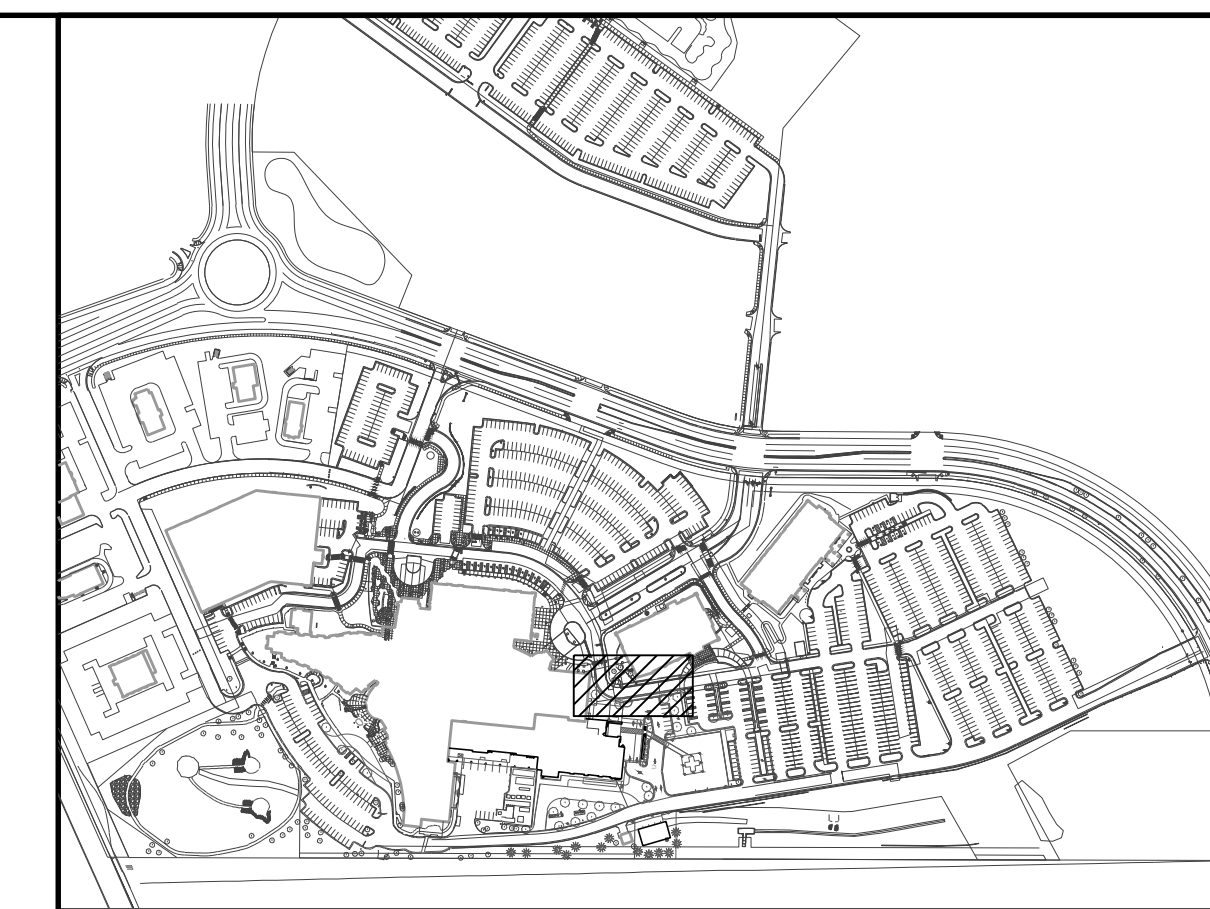
PROJECT: **ADVENTHEALTH PARKER EXPANSION
PARKER, CO 80138**

DRAWING TITLE: **PRE-ENABLING SITE PLAN**

FILE PATH: C:\Users\ghd\Documents\S. A. Miro, Inc.\Civil\Jobs\23079 AHP Expansion\05 CAD\Plans and Details\C114-PRE-SITE-PLAN.dwg C114 - 10/9/2024

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DRAWN BY: EDS
CHECKED BY: MHV
MIRO JOB NO. 23079
DRAWING NUMBER: **A-C114**

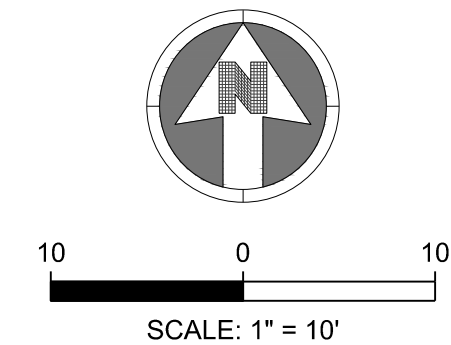
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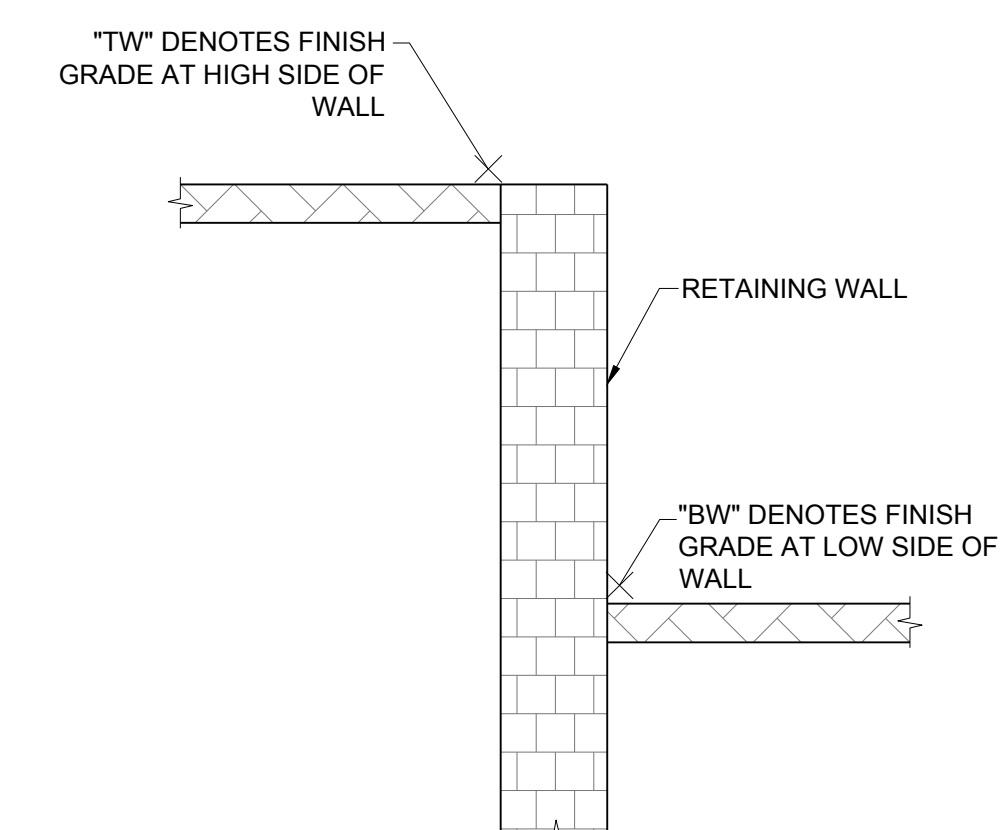
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KEYMAP
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NOTES:
 1. SEE SHEET A-C001 FOR CIVIL NOTES AND LEGEND.

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3	3RD TOWN SUBMITTAL	10/10/2024



RETAINING WALL GRADING LABEL DETAIL
 NOT TO SCALE

THE TOWN OF PARKER REVIEW CONSTITUTES GENERAL COMPLIANCE WITH TOWN'S STANDARDS AND APPROVED VARIANCES, SUBJECT TO THESE PLANS BEING STAMPED, SIGNED, AND DATED BY THE PROFESSIONAL ENGINEER OF RECORD. REVIEW BY THE TOWN DOES NOT CONSTITUTE APPROVAL OF THE PLAN DESIGN OR ACCURACY AND CORRECTNESS OF ENGINEERING CALCULATIONS. ERRORS IN THE DESIGN OR CALCULATIONS REMAIN THE RESPONSIBILITY OF THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE ARE AFFIXED TO THIS DOCUMENT.

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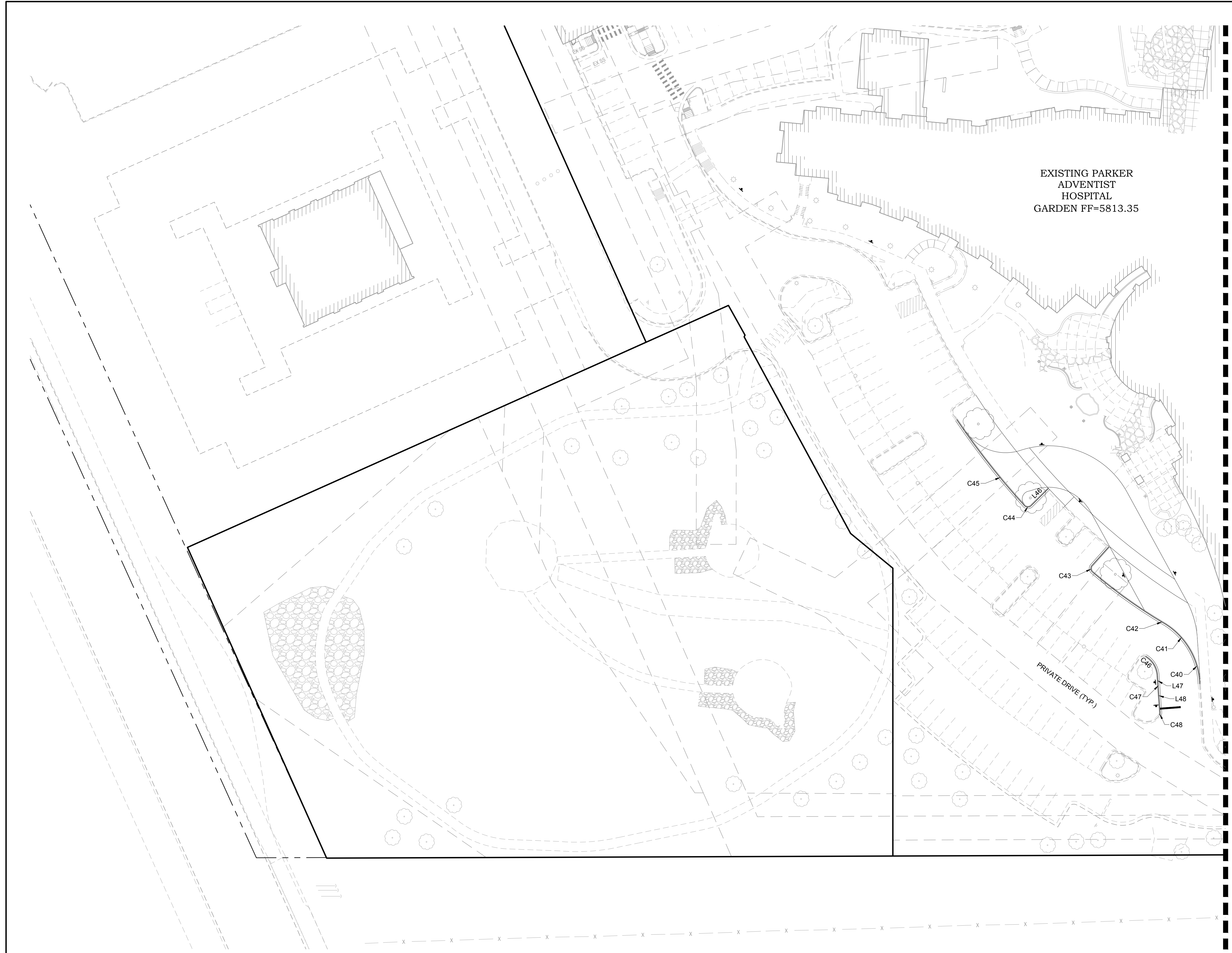
Town of Parker, Director of Engineering/Public Works Date

PROJECT: **ADVENTHEALTH PARKER EXPANSION
 PARKER, CO 80138**
 DRAWING TITLE: **PRE-ENABLING GRADING PLAN**
 FILE PATH: C:\Users\ghDCA\Documents\S. A. Miro, Inc.\Civil\Jobs\23079 AHP Expansion\05 CAD\Plans and Details\C115-PRE-GRAD-PLAN.dwg C115 - 10/9/2024



DESIGNED BY: RJH
 DRAWN BY: EDS
 CHECKED BY: MHV
 MIRO JOB NO. 23079

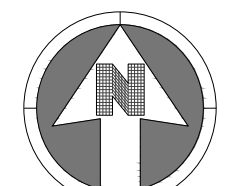
DRAWING NUMBER:
A-C115



EXISTING PARKER
ADVENTIST
HOSPITAL
GARDEN FF=5813.35



KEYMAP
NTS



30 0 30
SCALE: 1" = 30'

NOTES:
1. SEE SHEET A-C001 FOR CIVIL NOTES AND LEGEND.

SEE SHEET A-C122

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CONSULTING ENGINEERS
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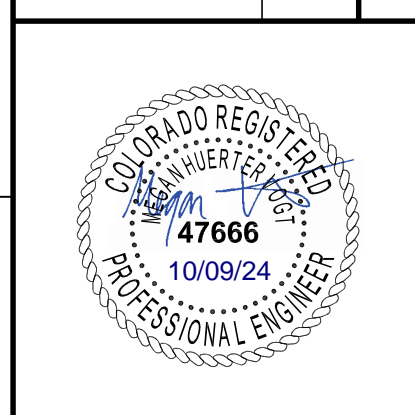
811
Know what's below.
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NO.	DESCRIPTION	DATE
1	1ST TOWN SUBMITTAL	06/03/2024
2	2ND TOWN SUBMITTAL	08/16/2024
3	3RD TOWN SUBMITTAL	10/10/2024

PROJECT: **ADVENTHEALTH PARKER EXPANSION
PARKER, CO 80138**

DRAWING TITLE: **HORIZONTAL CONTROL PLAN**

FILE PATH:



DESIGNED BY: R/JH
DRAWN BY: EDS
CHECKED BY: MHV
MIRO JOB NO. 23079

DRAWING NUMBER:
A-C121

THE TOWN OF PARKER REVIEW CONSTITUTES GENERAL COMPLIANCE WITH TOWN'S STANDARDS AND APPROVED VARIANCES, SUBJECT TO THESE PLANS BEING STAMPED, SIGNED, AND DATED BY THE PROFESSIONAL ENGINEER OF RECORD. REVIEW BY THE TOWN DOES NOT CONSTITUTE APPROVAL OF THE PLAN DESIGN OR ACCURACY AND CORRECTNESS OF ENGINEERING CALCULATIONS. ERRORS IN THE DESIGN OR CALCULATIONS REMAIN THE RESPONSIBILITY OF THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE ARE AFFIXED TO THIS DOCUMENT.

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Town of Parker, Director of Engineering/Public Works Date

EXISTING PARKER
ADVENTIST
HOSPITAL
GARDEN FF=5813.35

EXISTING MOB

PROPOSED
EXPANSION

BED TOWER

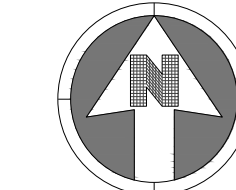
PROPOSED
FACILITIES SHED

PRIVATE DRIVE (TYP.)

SEE SHEET A-C022



KEYMAP
NTS



30 0 30
SCALE: 1" = 30'

NOTES:

- SEE SHEET A-C001 FOR CIVIL NOTES AND LEGEND.

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NO.	DESCRIPTION	DATE
1	1ST TOWN SUBMITTAL	06/03/2024
2	2ND TOWN SUBMITTAL	08/16/2024
3	3RD TOWN SUBMITTAL	10/10/2024

PROJECT: **ADVENTHEALTH PARKER EXPANSION
PARKER, CO 80138**

DRAWING TITLE: **HORIZONTAL CONTROL DATA**

FILE PATH:



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DRAWN BY: EDS
CHECKED BY: MHV
MIRO JOB NO. 23079

DRAWING NUMBER:

A-C122

THE TOWN OF PARKER REVIEW CONSTITUTES GENERAL COMPLIANCE WITH TOWN'S STANDARDS AND APPROVED VARIANCES, SUBJECT TO THESE PLANS BEING STAMPED, SIGNED, AND DATED BY THE PROFESSIONAL ENGINEER OF RECORD. REVIEW BY THE TOWN DOES NOT CONSTITUTE APPROVAL OF THE PLAN DESIGN OR ACCURACY AND CORRECTNESS OF ENGINEERING CALCULATIONS. ERRORS IN THE DESIGN OR CALCULATIONS REMAIN THE RESPONSIBILITY OF THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE ARE AFFIXED TO THIS DOCUMENT.

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Town of Parker, Director of Engineering/Public Works Date



DATE	DESCRIPTION
06/03/2024	1ST TOWN SUBMITTAL
08/16/2024	2ND TOWN SUBMITTAL
10/10/2024	3RD TOWN SUBMITTAL

NO.	DESCRIPTION
1	ADVENTHEALTH PARKER EXPANSION
2	PARKER, CO 80138
3	HORIZONTAL CONTROL DATA

PROJECT:	ADVENTHEALTH PARKER EXPANSION PARKER, CO 80138
DRAWING TITLE:	HORIZONTAL CONTROL DATA
FILE PATH:	



DESIGNED BY:	RJH
DRAWN BY:	EDS
CHECKED BY:	MHV
MIRO JOB NO.	23079

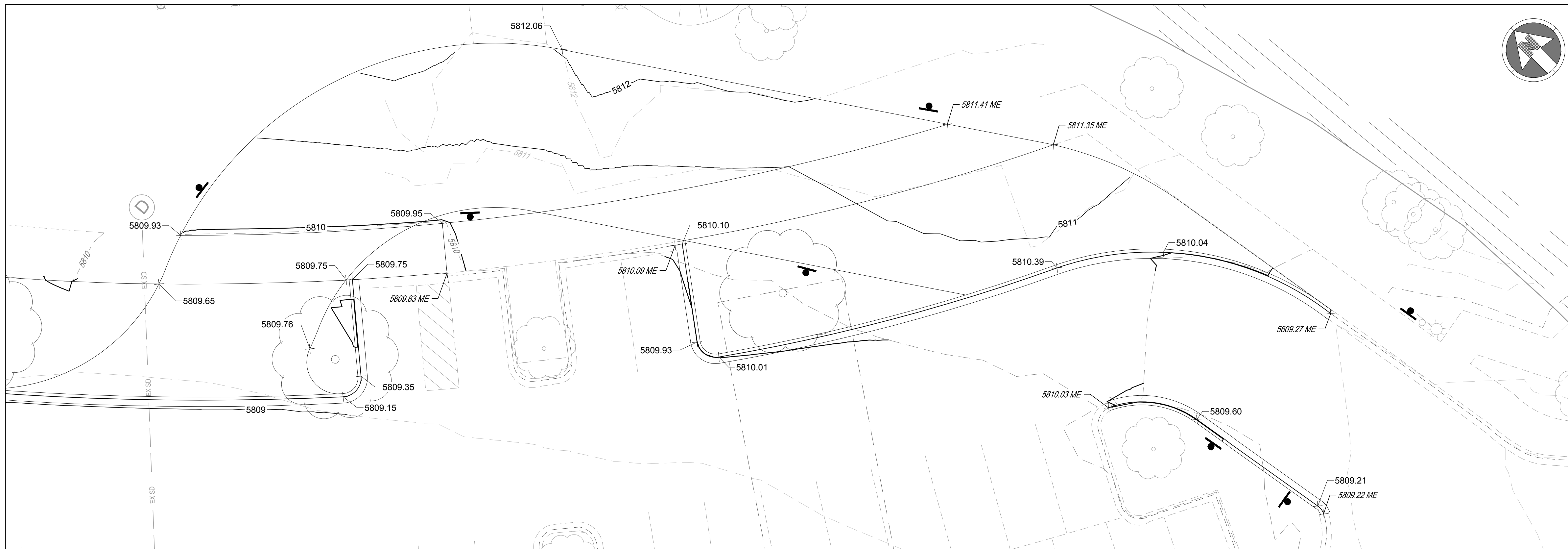
DRAWING NUMBER:
A-C123

LINE TABLE				
SEGMENT	LENGTH	DIRECTION	STARTING N.E	ENDING N.E
L1	122.96'	S80°44'04"W	1625863.75, 3207098.63	1625843.95, 3206977.27
L2	5.00'	N80°33'41"E	1625857.40, 3207093.60	1625858.22, 3207098.53
L3	68.45'	S9°18'00"E	1625857.40, 3207099.68	1625789.84, 3207110.74
L4	24.06'	N80°41'08"E	1625789.84, 3207110.74	1625793.74, 3207134.49
L5	50.00'	N80°41'08"E	1625778.37, 3207158.19	1625786.47, 3207207.53
L6	20.00'	S9°19'17"E	1625783.99, 3207210.98	1625764.25, 3207214.22
L7	2.00'	N9°18'52"W	1625810.63, 3207206.61	1625812.60, 3207206.29
L8	41.00'	S80°41'59"W	1625815.07, 3207202.84	1625808.45, 3207162.38
L9	41.00'	N80°41'59"E	1625800.56, 3207163.67	1625807.18, 3207204.14
L10	2.00'	S9°18'52"E	1625805.00, 3207159.91	1625803.03, 3207160.23
L11	34.53'	N80°30'11"E	1625654.93, 3207154.27	1625660.62, 3207188.33
L12	37.92'	N9°18'52"W	1625656.27, 3207068.81	1625693.69, 3207062.67
L13	51.78'	N5°19'09"E	1625694.96, 3207062.63	1625746.51, 3207067.43
L14	11.00'	N5°19'09"E	1625746.51, 3207067.43	1625757.46, 3207068.45
L15	4.44'	S60°06'30"E	1625747.29, 3207068.92	1625745.07, 3207072.78
L16	9.02'	N60°06'30"W	1625752.01, 3207076.76	1625756.50, 3207068.95
L17	36.75'	N60°06'30"W	1625726.76, 3207104.64	1625745.07, 3207072.78
L18	46.56'	N60°06'30"W	1625728.80, 3207117.13	1625752.01, 3207076.76
L19	10.29'	N5°19'09"E	1625757.46, 3207068.45	1625767.71, 3207069.40
L20	14.48'	N80°41'08"E	1625770.39, 3207071.90	1625772.73, 3207086.19
L21	65.00'	N9°18'52"W	1625772.73, 3207086.19	1625836.88, 3207075.67
L22	15.00'	S80°41'08"W	1625836.88, 3207075.67	1625834.45, 3207060.87
L23	14.29'	N9°12'42"W	1625836.92, 3207057.42	1625851.03, 3207055.13
L24	30.86'	S9°18'52"E	1625800.42, 3207039.09	1625769.97, 3207044.08
L25	8.22'	S50°19'09"W	1625765.31, 3207042.34	1625760.06, 3207036.01
L26	11.04'	N60°06'30"W	1625764.41, 3207039.14	1625769.91, 3207029.57
L27	11.60'	S60°06'30"E	1625777.71, 3207032.05	1625771.93, 3207042.11
L28	3.29'	S84°40'51"E	1625779.43, 3207024.31	1625779.13, 3207027.59
L29	1.55'	N84°40'51"W	1625771.32, 3207025.11	1625771.47, 3207023.56
L30	19.50'	N5°19'09"E	1625780.52, 3207023.40	1625799.94, 3207025.21
L31	47.93'	S5°19'09"W	1625756.68, 3207034.23	1625708.95, 3207029.79
L32	69.94'	N5°19'09"E	1625710.89, 3207016.92	1625780.52, 3207023.40
L33	3.08'	N70°55'06"W	1625704.69, 3207023.17	1625705.70, 3207020.26
L34	11.77'	S5°19'09"W	1625713.67, 3206987.05	1625701.95, 3206985.96
L35	37.13'	S70°55'06"E	1625681.19, 3206999.33	1625669.06, 3207034.42
L36	8.62'	S9°18'52"E	1625657.31, 3207044.32	1625648.81, 3207045.71
L37	22.58'	S86°42'51"W	1625667.97, 3206805.68	1625666.68, 3206783.14
L38	52.64'	S84°41'16"E	1625700.88, 3206749.41	1625696.01, 3206801.83
L39	47.92'	N5°26'35"E	1625653.18, 3206744.86	1625700.88, 3206749.41
L40	6.97'	N50°26'35"E	1625645.36, 3206737.70	1625649.80, 3206743.07
L41	5.09'	S84°33'37"E	1625686.16, 3206636.42	1625685.68, 3206641.49
L42	3.39'	S5°26'23"W	1625682.41, 3206644.19	1625679.03, 3206643.87
L43	1.67'	N53°05'58"E	1625528.80, 3206618.87	1625529.80, 3206620.21
L44	52.12'	N87°19'33"E	1625520.49, 3206550.47	1625522.92, 3206602.54
L46	15.34'	N45°14'21"E	1625728.99, 3206397.17	1625739.79, 3206408.06
L47	5.61'	S4°06'25"E	1625622.63, 3206476.37	1625617.03, 3206476.77
L48	16.68'	S4°08'52"E	1625615.77, 3206476.83	1625599.14, 3206478.03
L49	1.30'	S58°26'51"E	1625525.50, 3206532.55	1625524.82, 3206533.66

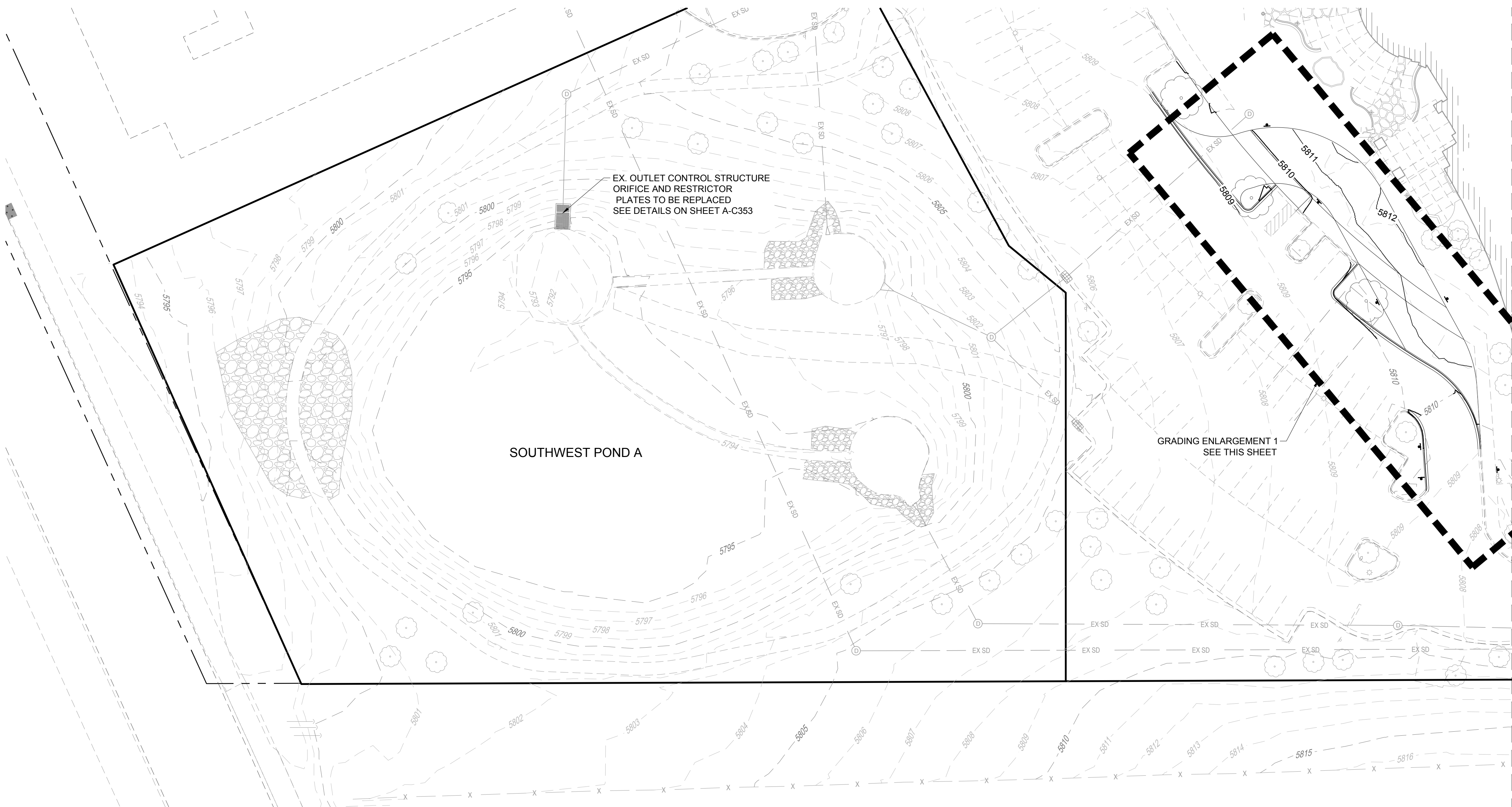
CURVE TABLE						
SEGMENT	LENGTH	RADIUS	CHORD DIRECTION	CHORD LENGTH	START N.E	END N.E
C1	79.64'	49.00'	S50°55'20"E	71.16'	1625888.81, 3206922.03	1625843.95, 3206977.27
C2	1.57'	1.00'	N54°22'10"W	1.42'	1625857.40, 3207099.68	1625858.22, 3207098.53
C3	4.43'	3.00'	N57°02'50"W	4.04'	1625791.54, 3207137.88	1625793.74, 3207134.49
C4	26.56'	18.00'	S57°02'50"E	24.21'	1625791.54, 3207137.88	1625783.99, 3207158.19
C5	4.71'	3.00'	N54°19'00"W	4.24'	1625783.99, 3207210.98	1625786.47, 3207207.53
C6	4.71'	3.00'	N54°18'50"W	4.24'	1625812.60, 3207206.29	1625815.07, 3207202.84
C7	4.71'	3.00'	S35°41'10"W	4.24'	1625808.45, 3207162.38	1625805.00, 3207159.91
C8	4.71'	3.00'	S54°18'50"E	4.24'	1625803.03, 3207160.23	1625800.56, 3207162.38
C9	4.71'	3.00'	N35°41'10"E	4.24'	1625807.18, 3207204.14	1625810.63, 3207206.61
C10	23.54'	15.00'	S54°16'40"E	21.20'	1625656.27, 3207068.81	1625643.95, 3207086.02
C11	1.28'	5.00'	S1°59'50"E	1.27'	1625694.96, 3207062.63	1625693.69, 3207062.67
C12	2.00'	1.00'	S62°36'20"W	1.68'	1625747.29, 3207068.92	1625746.51, 3207067.43
C13	1.14'	1.00'	S27°23'40"E	1.08'	1625757.46, 3207068.45	1625756.50, 3207068.95
C14	3.95'	3.00'	S43°00'10"W	3.67'	1625770.39, 3207071.90	1625767.71, 3207071.90
C15	4.71'	3.00'	S54°19'40"E	4.24'	1625836.92, 3207057.42	1625834.45, 3207060.87
C16	20.20'	7.00'	S88°00'10"W	13.89'	1625800.42, 3207039.09	1625799.94, 3207025.21
C17	2.26'	1.00'	N55°17'20"E	1.81'	1625771.93, 3207042.11	1625772.96, 3207043.59
C18	5.20'	5.00'	N20°30'10"E	4.97'	1625765.31, 3207042.34	1625769.97, 3207044.08
C19	1.93'	1.00'	N4°53'40"W	1.64'	1625762.77, 3207039.28	1625764.41, 3207039.14
C20	4.72'	11.00'	N72°23'40"W	4.68'	1625777.71, 3207032.05	1625779.13, 3207027.59
C21	4.72'	11.00'	N72°23'40"W	4.68'	1625769.91, 3207029.57	1625771.32, 3207025.11
C22	1.57'	1.00'	S39°40'50"E	1.41'	1625780.52, 3207023.40	1625779.43, 3207024.31
C23	1.57'	1.00'	S50°19'10"W	1.41'	1625771.47, 3207023.56	1625770.56, 3207022.48
C24	3.93'	5.00'	S27°49'10"W	3.83'	1625760.06, 3207036.01	1625756.68, 3207034.23
C25	9.05'	5.00'	N57°12'00"E	7.87'	1625704.69, 3207023.17	1625708.95, 3207029.79
C26	6.65'	5.00'	S32°48'00"E	6.17'	1625710.89, 3207016.92	1625705.70, 3207020.26
C27	26.61'	20.00'	S32°48'00"E	24.69'	1625701.95, 3206985.96	1625681.19, 3206999.33
C28	16.13'	15.00'	N40°07'00"W	15.36'	1625657.31, 3207044.32	1625669.06, 3207034.42
C29	22.10'	15.00'	N32°53'00"E	20.15'	1625631.88, 3207034.77	1625648.81, 3207045.71
C30	94.80'	745.00'	S71°26'20"W	94.74'	1625631.88, 3207034.77	1625601.73, 3206944.96
C31	42.58'	476.30'	N70°21'10"E	42.57'	1625587.41, 3206904.88	1625601.73, 3206944.96
C32	22.14'	452.61'	N83°28'50"E	22.13'	1625567.97, 3206805.68	1625570.49, 3206827.67
C33	3.93'	5.00'	N27°56'30"E	3.83'	1625649.80, 3206743.07	1625653.18, 3206744.86
C34	3.92'	5.00'	S28°00'20"W	3.82'	1625645.36, 3206737.70	1625641.99, 3206735.91
C35	4.71'	3.00'	N39°33'40"W	4.24'	1625682.41, 3206644.19	1625685.68, 3206641.49
C36	5.96'	10.00'	S70°11'10"W	5.88'	1625531.79, 3206625.74	1625529.80, 3206620.21
C37	17.62'	29.50'	N70°12'50"E	17.36'	1625522.92, 3206602.54	1625528.80, 3206618.87
C38	17.62'	29.50'	S75°33'40"E	17.36'	1625524.82, 3206533.66	1625520.49, 3206550.47
C39	5.95'	10.00'	N75°30'20"W	5.87'	1625525.50, 3206532.55	1625526.97, 3206526.87
C40	28.71'	46.16'	N19°33'40"W	28.25'	1625617.00, 3206502.80	1625643.61, 3206493.35
C41	17.11'	46.16'	N47°59'40"W	17.01'	1625643.61, 3206493.35	1625655.00, 3206480.70
C42	55.48'	316.12'	S54°23'00"E	55.41'	1625687.27, 3206435.66	1625655.00, 3206480.70
C43	4.77'	3.00'	S3°46'20"E	4.29'	1625691.54, 3206435.38	1625687.27, 3206435.66
C44	4.84'	3.00'	S88°34'40"E	4.33'	1625729.10, 3206392.84	1625728.99, 3206397.17
C45	68.73'	466.71'	S38°11'30"E	68.67'	1625782.97, 3206350.48	1625729.00, 3206392.93
C46	14.68'	15.00'	N32°09'00"W	14.10'	1625622.63, 3206476.37	1625634.57, 3206468.87
C47	1.26'	20.16'	N2°18'40"W	1.26'	1625615.77, 3206476.83	1625617.03, 3206476.77
C48	1.59'	2.50'	N14°04'10"E	1.56'	1625597.62, 3206477.65	1625599.14, 3206478.03

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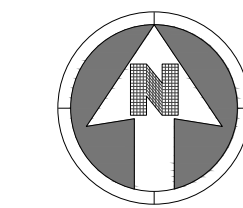
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GRADING ENLARGEMENT 1 - WEST FIRE LANE
SCALE 1"=10'



KEYMAP
NTS



30 0 30
SCALE: 1" = 30'

NOTES:
1. SEE SHEET A-C001 FOR CIVIL NOTES AND LEGEND.

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NO.	DESCRIPTION	DATE
1	1ST TOWN SUBMITTAL	06/03/2024
2	2ND TOWN SUBMITTAL	08/16/2024

PROJECT: **ADVENTHEALTH PARKER EXPANSION
PARKER, CO 80138**

DRAWING TITLE: **GRADING PLAN**

FILE PATH: C:\Users\rjh\OneDrive\Documents\S. A. Miro, Inc.\Civil\Jobs\23079 AHP Expansion\05 CAD\Plans and Details\C211-GRAD-PLAN.dwg C211 - 10/09/2024



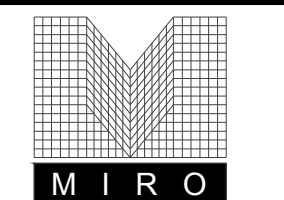
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DESIGNED BY: R/JH
DRAWN BY: EDS
CHECKED BY: MHV
MIRO JOB NO. 23079

DRAWING NUMBER:
A-C211

Town of Parker, Director of Engineering/Public Works Date

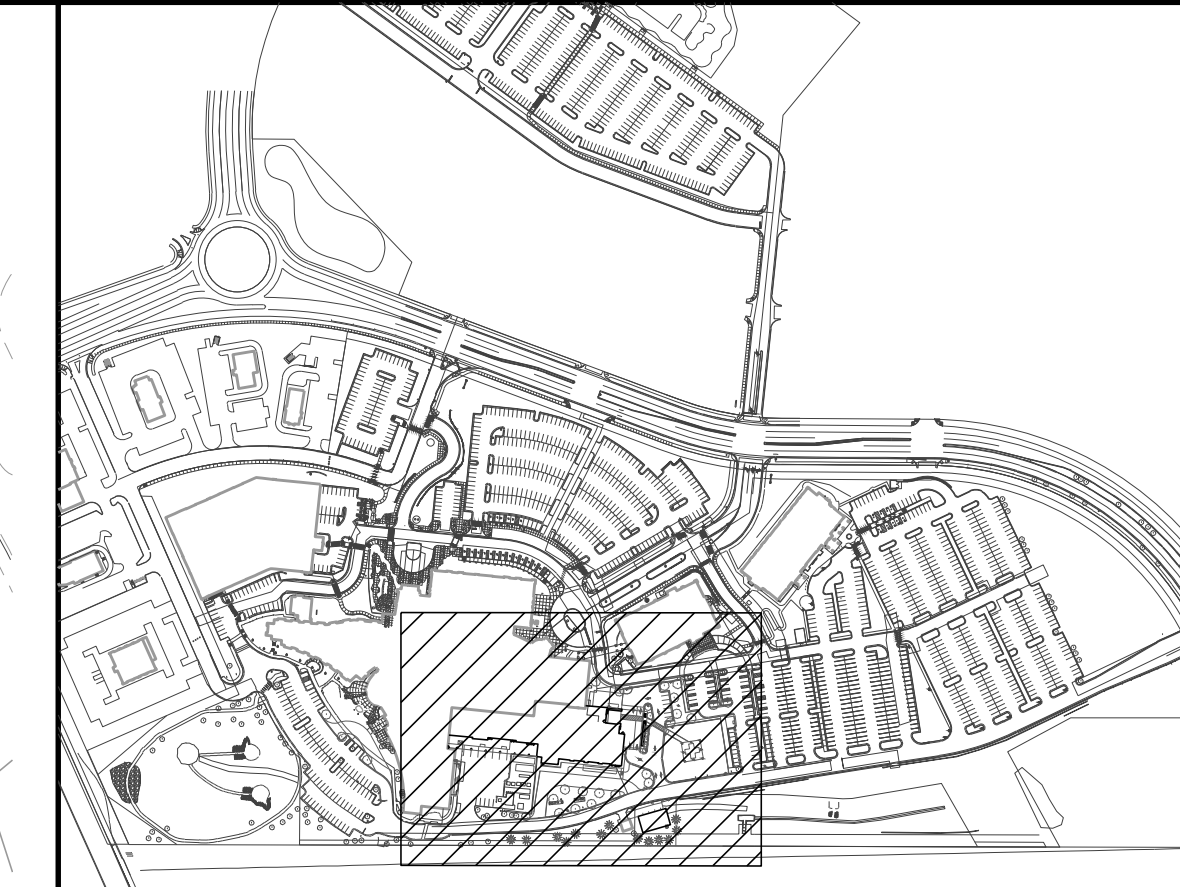


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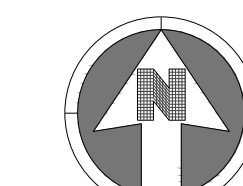
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KEYMAP
NTS



30 0 30
SCALE: 1" = 30'

NOTES:

- SEE SHEET A-C001 FOR CIVIL NOTES AND LEGEND.

DATE	DESCRIPTION
06/03/2024	1ST TOWN SUBMITTAL
08/16/2024	2ND TOWN SUBMITTAL

NO.	TITLE
1	GRADING PLAN
2	

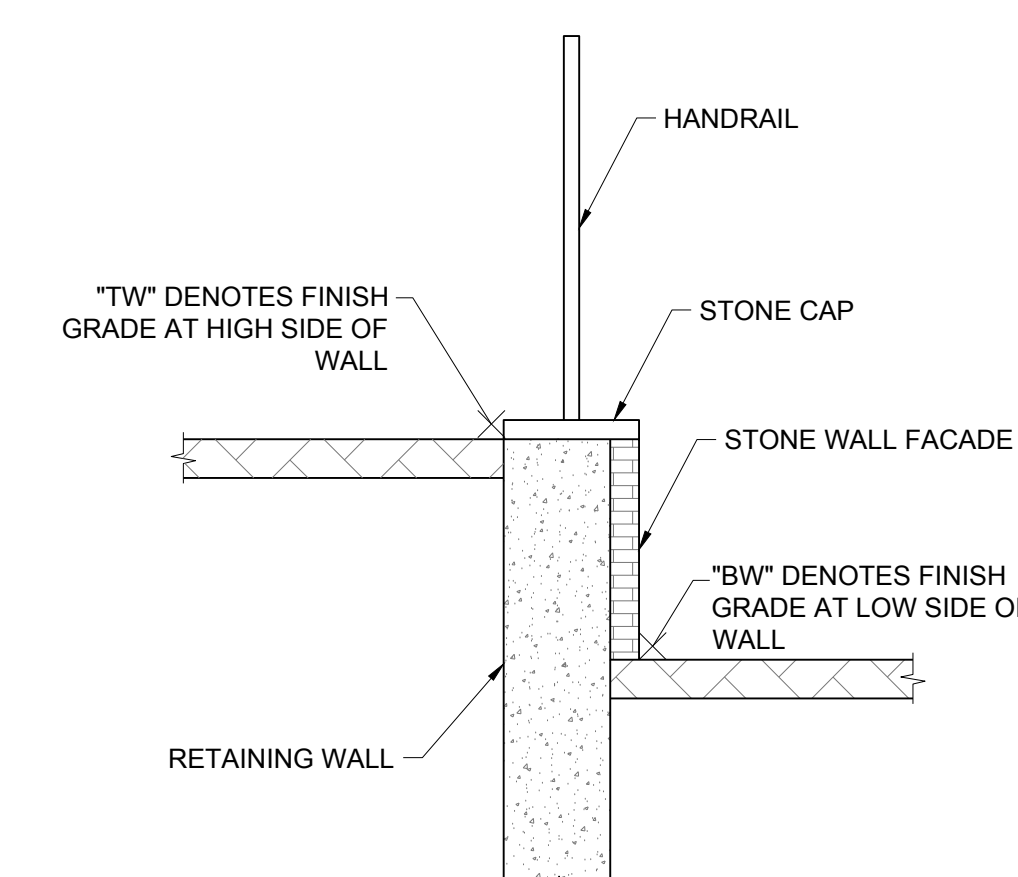
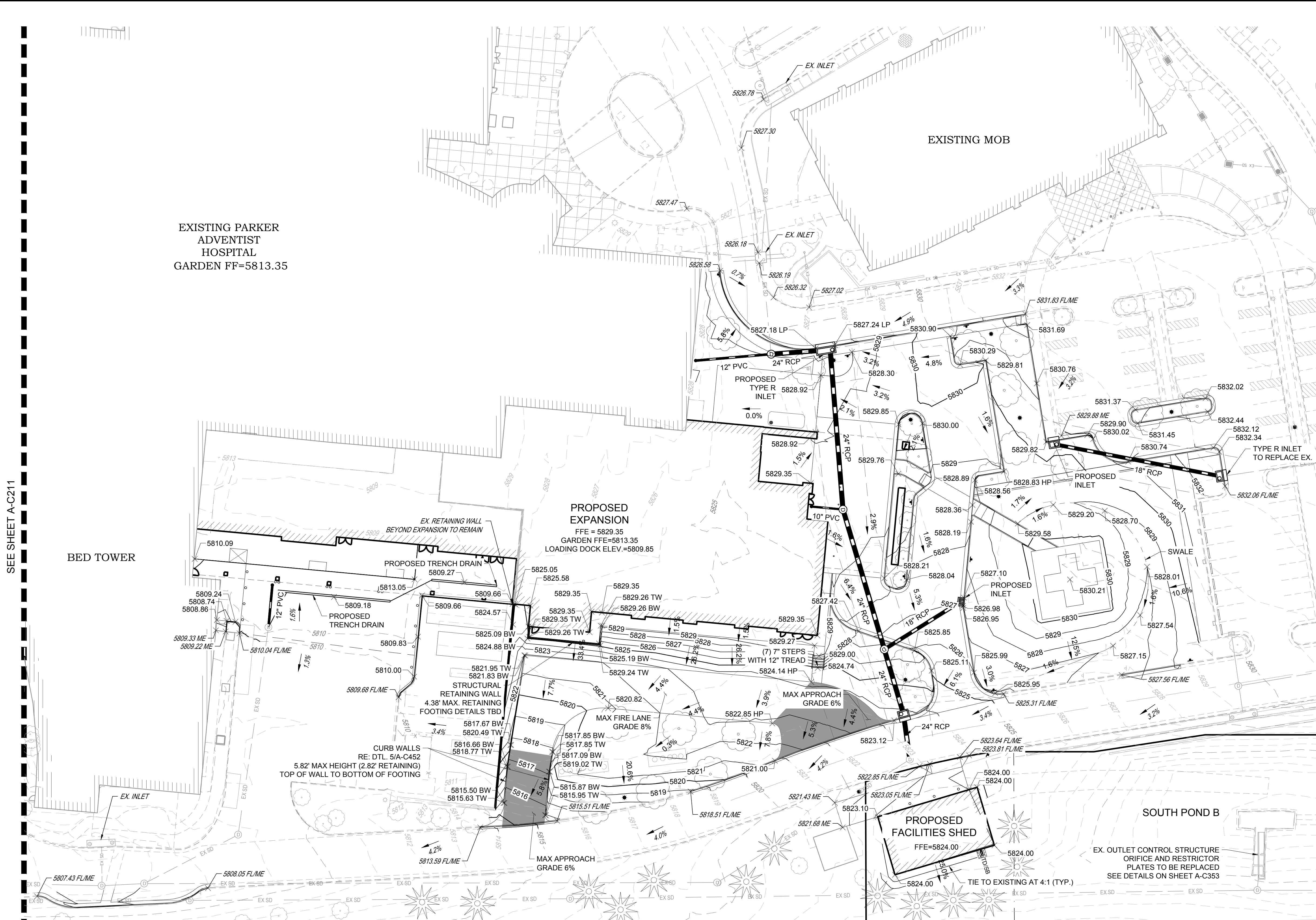
PROJECT: **ADVENTHEALTH PARKER EXPANSION
PARKER, CO 80138**

DRAWING TITLE: **GRADING PLAN**

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DESIGNED BY: RJH
DRAWN BY: EDS
CHECKED BY: MHV
MIRO JOB NO. 23079
DRAWING NUMBER: **A-C212**

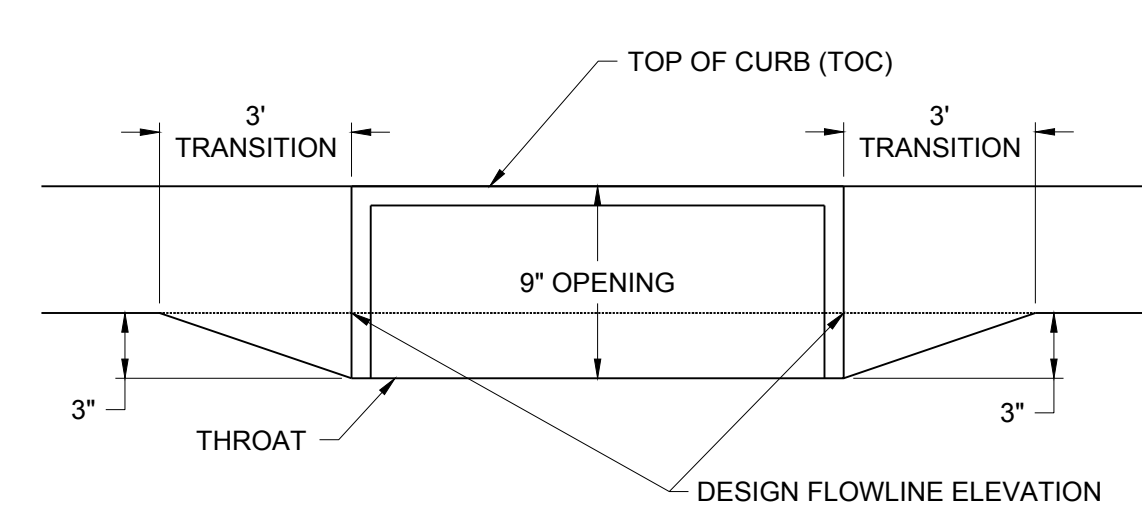
Town of Parker, Director of Engineering/Public Works Date



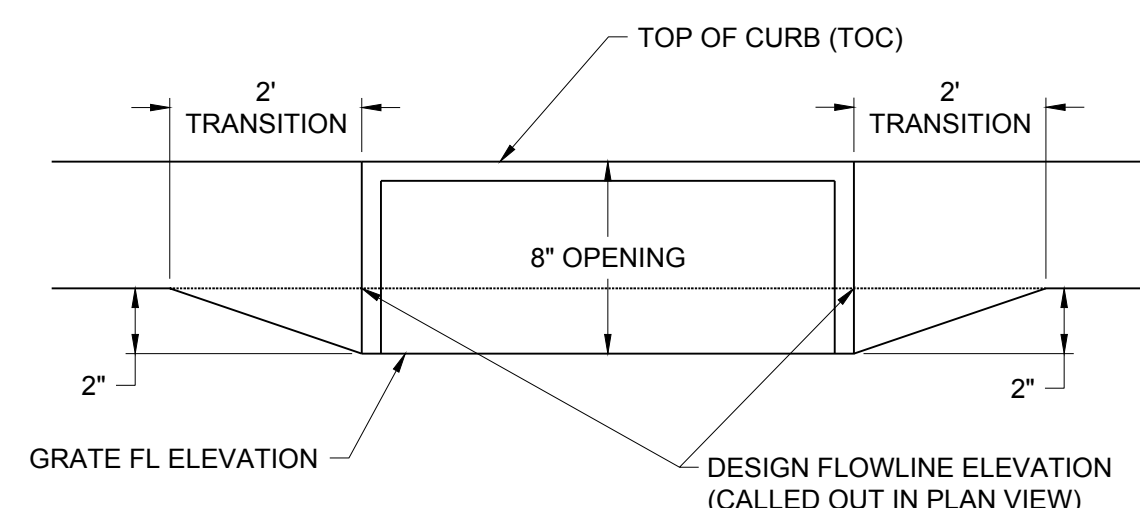
NOTE: STRUCTURAL RETAINING WALL DETAILS ARE INCLUDED AS PART OF A SEPARATE SUBMITTAL. HANDRAIL DETAILS ARE INCLUDED ON THE CIVIL CONSTRUCTION DOCUMENTS SUBMITTED SEPARATELY.

RETAINING WALL GRADING LABEL DETAIL
NOT TO SCALE

SEE SHEET A-C211



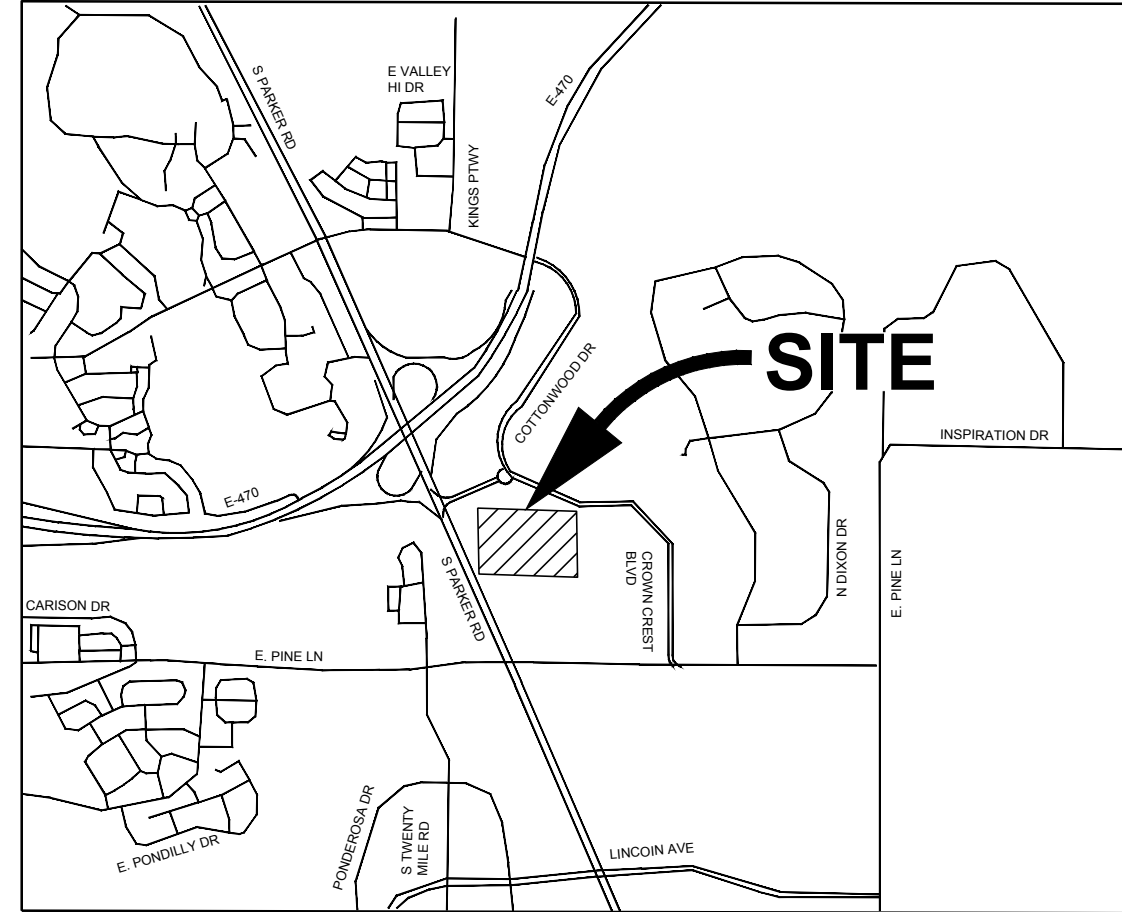
TYPE R INLET ANNOTATION DETAIL



SINGLE TYPE 16 COMBO INLET ANNOTATION DETAIL

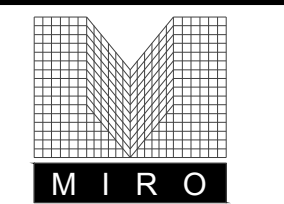
ADVENTHEALTH PARKER EXPANSION

CROWN POINT FILING 1 AMMENDMENT 30, LOT 1, TRACT A & B
 SITUATED IN THE NORTHWEST QUARTER OF SECTION 10, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH PRINCIPAL MERIDIAN,
 TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO



VICINITY MAP
 SCALE: 1"=2000'

Sheet Number	Sheet Title
A-C240	EROSION CONTROL COVER SHEET
A-C241	INITIAL EROSION CONTROL PLAN
A-C242	INITIAL EROSION CONTROL PLAN
A-C243	INITIAL EROSION CONTROL PLAN
A-C244	INTERIM EROSION CONTROL PLAN
A-C245	INTERIM EROSION CONTROL PLAN
A-C246	INTERIM EROSION CONTROL PLAN
A-C247	FINAL EROSION CONTROL PLAN
A-C248	FINAL EROSION CONTROL PLAN
A-C249	FINAL EROSION CONTROL PLAN
A-C251	EROSION CONTROL DETAILS
A-C252	EROSION CONTROL DETAILS
A-C253	EROSION CONTROL DETAILS
A-C254	EROSION CONTROL DETAILS
A-C255	EROSION CONTROL DETAILS
A-C256	EROSION CONTROL DETAILS
A-C257	EROSION CONTROL DETAILS
A-C258	EROSION CONTROL DETAILS
A-C259	EROSION CONTROL DETAILS



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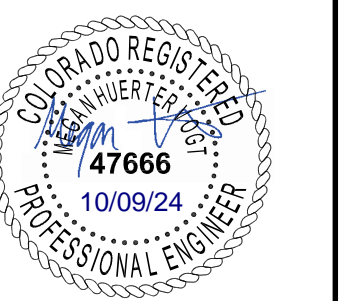
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1	1ST TOWN SUBMITTAL	06/03/2024
2	2ND TOWN SUBMITTAL	08/16/2024
3	3RD TOWN SUBMITTAL	10/10/2024

PROJECT: ADVENTHEALTH PARKER EXPANSION
 PARKER, CO 80138

DRAWING TITLE: EROSION CONTROL COVER SHEET

FILE PATH: C:\Users\ghj\Documents\S. A. Miro, Inc.\Civil\Jobs\23079 AHF Expansion\05 CAD\Plans and Details\C240-EROS-CONVR.dwg C240 - 10/9/2024



DESIGNED BY: RJH
 DRAWN BY: EDS
 CHECKED BY: MHV
 MIRO JOB NO. 23079

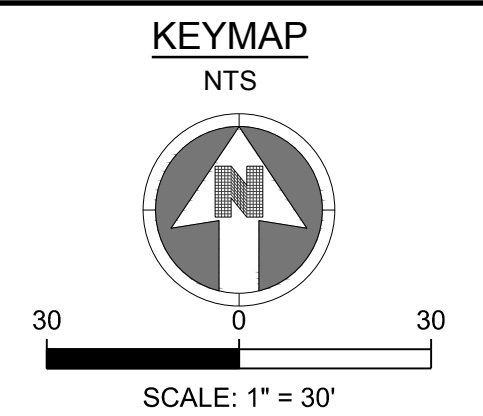
DRAWING NUMBER:

A-C240

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Town of Parker, Director of Engineering/Public Works _____ Date _____



LEGEND:

	CD	CHECK DAM
	CF	CONSTRUCTION FENCE
	CP	CULVERT PROTECTION
	CWA	CONCRETE WASHOUT AREA
	D	DEWATERING
	DD	DIVERSION DITCH
	DP	DETENTION POND PROTECTION
	DTC	DEBRIS TRASH CONTROL
	ECB	EROSION CONTROL BLANKET
	IPAN	INLET PROTECTION FOR AREA INLETS NOT IN PAVEMENT
	IPAP	INLET PROTECTION FOR AREA INLETS IN PAVEMENT
	IPCOG	INLET PROTECTION, CURB ON-GRADE, TYPE R INLET
	IPCOS	INLET PROTECTION, CURB ON SUMP, TYPE R INLET
	LP	LOT PROTECTION
	MWP	MASONRY WORK PROTECTION
	PTP	PORTABLE TOILET PROTECTION
	RCSC	ROUGH CUT STREET CONTROL
	RS	ROCK SOCK
	RSS	ROCK SOCK IN SWALE
	SB	STRAW BALE
	SCL	SEDIMENT CONTROL LOGS
	SF	SILT FENCE
	SMC	SEEDING, MULCHING AND CRIMPING
	SR	SURFACE ROUGHING
	SSA	STABILIZED STAGING AREA
	STP	SIDEWALK TRANSITION PROTECTION
	TI	TEMPORARY IRRIGATION
	TSB	TEMPORARY SEDIMENT BASIN
	VTC	VEHICLE TRACKING CONTROL
	LOC	LIMITS OF CONSTRUCTION
		FLOW DIRECTION ARROW

NO.	DESCRIPTION	DATE
#	1ST TOWN SUBMITTAL	06/09/2024
#	2ND TOWN SUBMITTAL	08/16/2024
#	3RD TOWN SUBMITTAL	10/10/2024

PROJECT: **ADVENTHEALTH PARKER EXPANSION
 PARKER, CO 80138**

DRAWING TITLE: **INITIAL EROSION CONTROL PLAN**

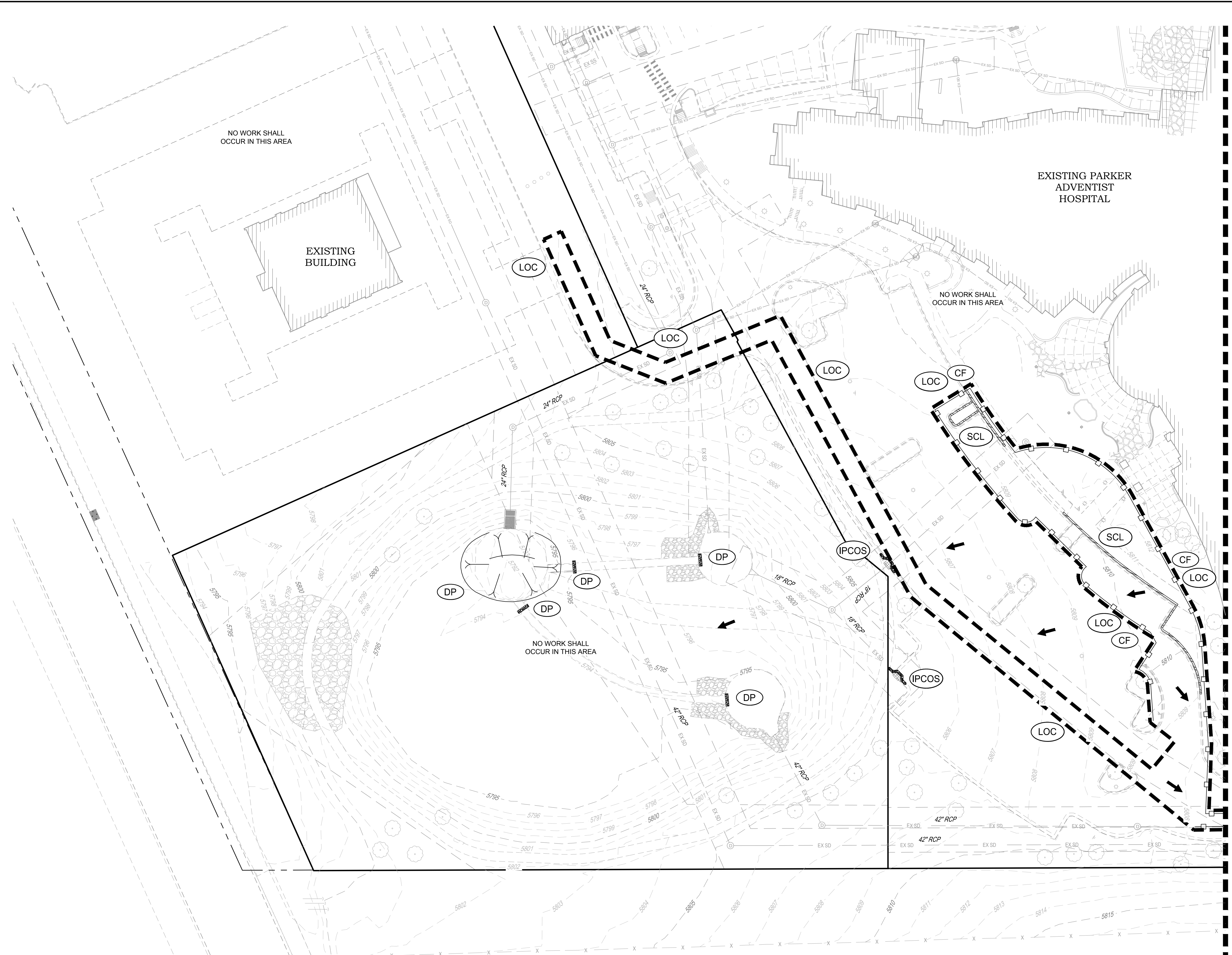
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DESIGNED BY: RJH
 DRAWN BY: EDS
 CHECKED BY: MHV
 MIRO JOB NO. 23079

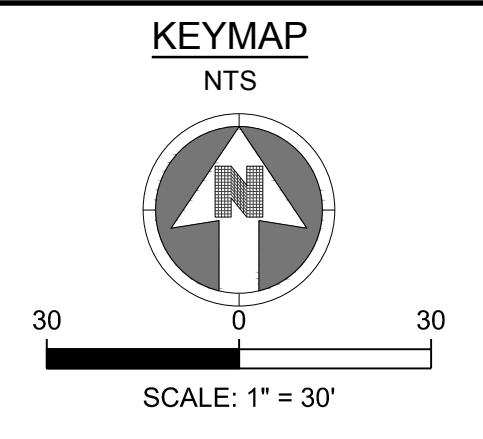
DRAWING NUMBER:
A-C241

Town of Parker, Director of Engineering/Public Works Date



NOTES:
 1. SEE SHEETS A-C251-A-C259 FOR EROSION CONTROL NOTES, LEGEND AND DETAILS.

- TOWN OF PARKER NOTES:**
- ALL GRADES SHOWN ARE FINAL FINISHED SURFACE GRADE AFTER TOPSOIL, SOD, PAVING ETC., EXCEPT IN THE AREA OF SOIL STOCK PILE.
 - SEE TOWN OF PARKER CONSTRUCTION BEST MANAGEMENT PRACTICES.
 - THE VTC PAD FOR A CWA DOES NOT NEED TO CONFORM TO THE FORMAL VTC DETAIL, AND THE TRUE LOCATION OF THE CWA MAY BE DETERMINED BY THE TOWN AND ECS.
 - THE TRUE LOCATION OF THE PORTABLE TOILET PROTECTION (PTP) MAY BE DETERMINED.
 - THE TOWN MAY ALLOW THE USE OF PROPRIETARY INLET PROTECTION FOR THE PROPOSED IPAPS FOR THE SAKE OF MAINTENANCE. HOWEVER, THE CONTRACTOR MUST SEEK APPROVAL PRIOR TO INSTALLATION.
 - ALL DIRTY STREET, CURBS, GUTTERS, SIDEWALKS, DRIVE AISLES, ETC., MUST BE THOROUGHLY CLEANED THROUGHOUT THE DAY AND IMMEDIATELY BEFORE THE END OF THE WORK DAY.
 - LOT PROTECTION (LP) IS REQUIRED ON COMMERCIAL LOTS WHEN LANDSCAPING IS NOT POSSIBLE.
 - PROVIDE SEDIMENT CONTROL LOGS (SCL) ALONG BACK OF ALL CURBS ADJACENT TO LANDSCAPE/PERVIOUS AREAS INCLUDING LANDSCAPE ISLANDS AND ALL ATTACHED PEDESTRIAN WALKS.
 - ANY ONSITE BULK FUEL STORAGE REQUIRES A FIRE LIFE SAFETY PERMIT FROM THE TOWN PRIOR TO INSTALLATION. CONTACT RANDY CAPRA AT RCAPRA@PARKERONLINE.ORG OR 303-805-3163.
 - MASONRY WORK PROTECTION IS REQUIRED FOR CONSTRUCTION OF BUILDINGS.
 - THE TRUE LOCATION OF THE CWA MAY BE DETERMINED BY THE TOWN AND ECS.
 - TO REDUCE THE POTENTIAL FOR CLOGGING OF DEBRIS GRATES, NO STRAW MULCH SHALL BE USED WITHIN THE EXCESS URBAN RUNOFF VOLUME OF A DETENTION BASIN. INSTEAD, EROSION CONTROL BLANKET SHALL BE INSTALLED FOR A WIDTH OF AT LEAST 6-FOOT ON BOTH SIDES OF THE CONCRETE LOW FLOW CHANNELS OR UP TO A DEPTH OF 1-FOOT IN SOIL RIPRAP OR BENCHED LOW FLOW CHANNELS. ADDITIONALLY, HYDRAULICALLY APPLIED WOOD FIBER MULCH, STABILIZED FIBER MATRIX, BONDED FIBER MATRIX, OR FLEXIBLE GROWTH MEDIUM SHALL BE USED IN ALL OTHER AREAS WITHIN THE EXCESS URBAN RUNOFF VOLUME OF THE DETENTION BASIN. THE BLANKET AND HYDRAULICALLY APPLIED MULCH SHALL COMPLY WITH THE MATERIALS AND INSTALLATION REQUIREMENTS FOR EROSION CONTROL BLANKETS AS REQUIRED BY THE TOWN'S CBMP PROGRAM, AND WHERE APPLICABLE, THE PRODUCT MANUFACTURER



LEGEND:

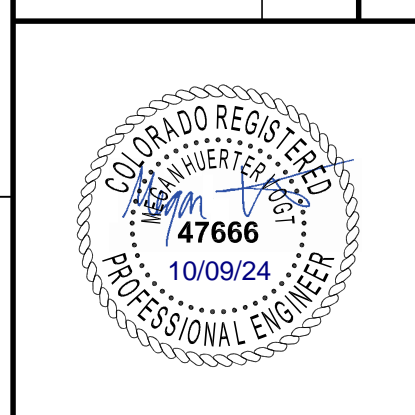
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		FLOW DIRECTION ARROW

DATE	DESCRIPTION	NO.
06/09/2024	1ST TOWN SUBMITTAL	#
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PROJECT: **ADVENTHEALTH PARKER EXPANSION
 PARKER, CO 80138**

DRAWING TITLE: **INITIAL EROSION CONTROL PLAN**

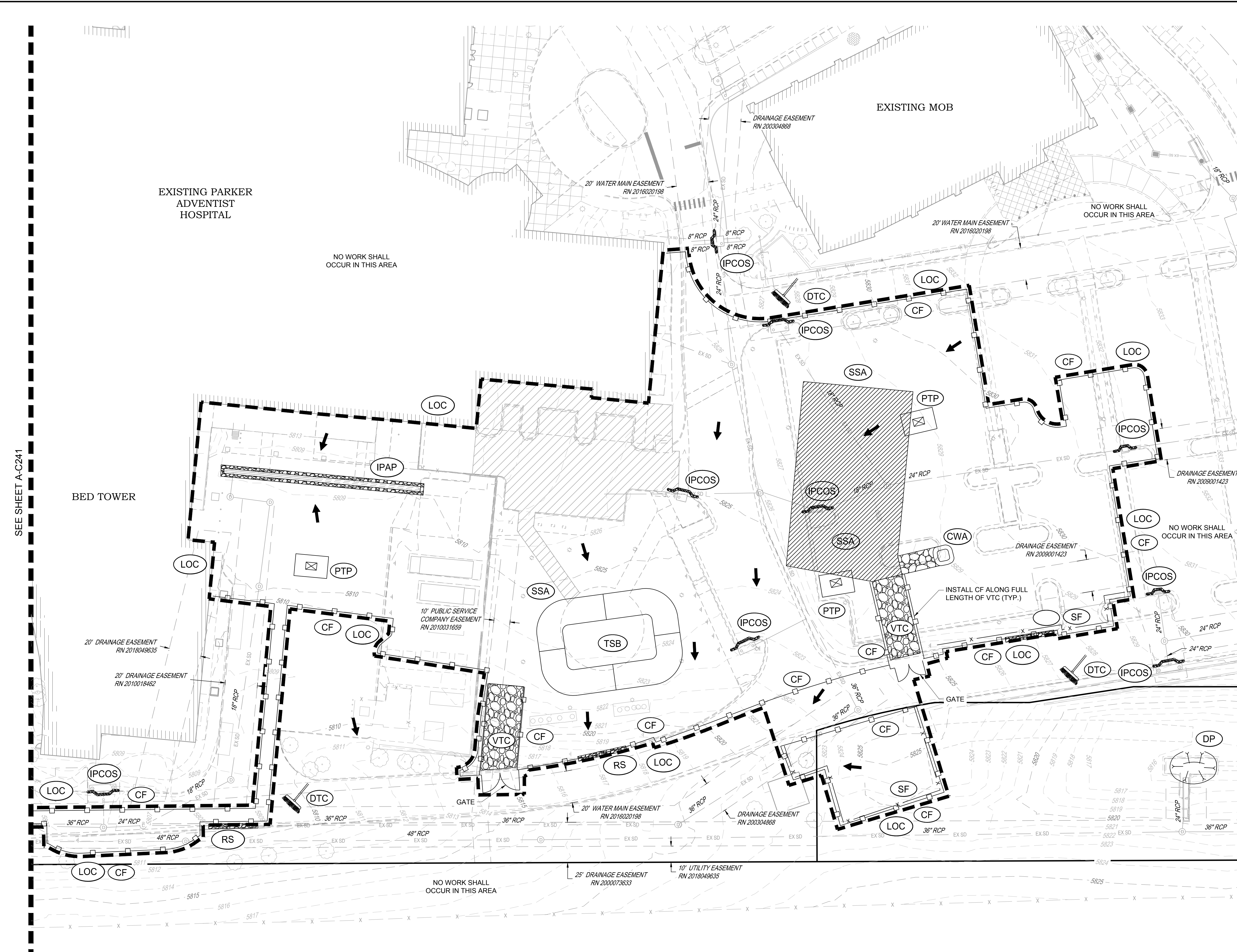
FILE PATH: C:\Users\jph\Documents\S.A. Miro, Inc.\Civil\Jobs\23079 AHF Expansion\05 CAD\Plans and Details\C241-EROS-PLAN-INITIAL.dwg C242 - 10/9/2024



DESIGNED BY: RJH
 DRAWN BY: EDS
 CHECKED BY: MHV
 MIRO JOB NO. 23079

DRAWING NUMBER:
A-C242

Town of Parker, Director of Engineering/Public Works Date



TOWN OF PARKER NOTES:

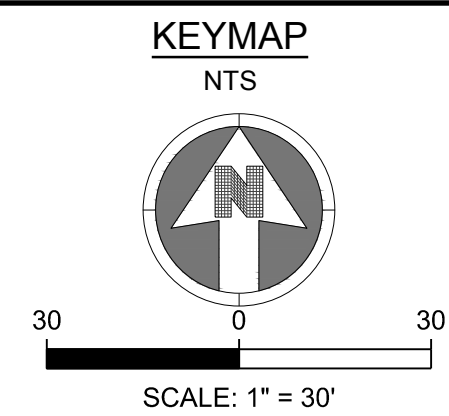
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NOTES:
 1. SEE SHEETS A-C251-A-C259 FOR EROSION CONTROL NOTES, LEGEND AND DETAILS.

SEE SHEET A-C241



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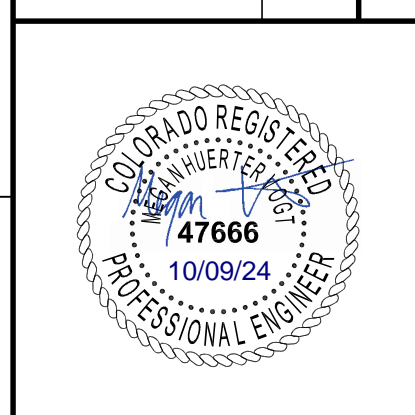
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PROJECT: **ADVENTHEALTH PARKER EXPANSION
 PARKER, CO 80138**

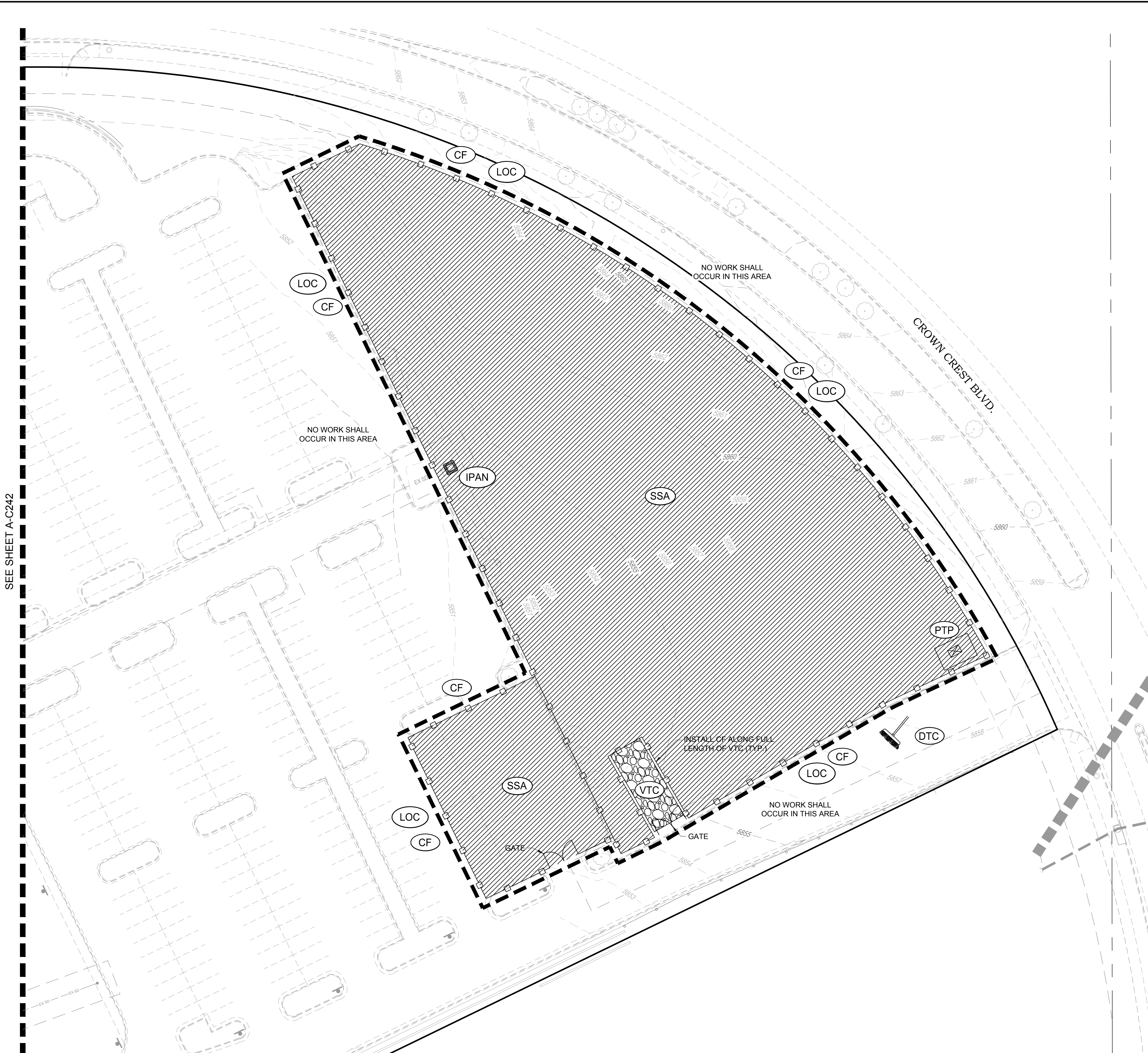
DRAWING TITLE: **INITIAL EROSION CONTROL PLAN**

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DESIGNED BY: RJH
 DRAWN BY: EDS
 CHECKED BY: MHV
 MIRO JOB NO. 23079

DRAWING NUMBER:
A-C243



SEE SHEET A-C242

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NOTES:

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	SB	STRAW BALE
	SCL	SEDIMENT CONTROL LOGS
	SF	SILT FENCE
	SMC	SEEDING, MULCHING AND CRIMPING
	SR	SURFACE ROUGHING
	SSA	STABILIZED STAGING AREA
	STP	SIDEWALK TRANSITION PROTECTION
	TI	TEMPORARY IRRIGATION
	TSB	TEMPORARY SEDIMENT BASIN
	VTC	VEHICLE TRACKING CONTROL
	LOC	LIMITS OF CONSTRUCTION
		FLOW DIRECTION ARROW

NOTES:
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 2. ADDITIONAL PTPS MAY BE NEEDED IN THE INTERIM AND FINAL PHASE.
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TOWN OF PARKER NOTES:

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- THE VTC PAD FOR A CWA DOES NOT NEED TO CONFORM TO THE FORMAL VTC DETAIL, AND THE TRUE LOCATION OF THE CWA MAY BE DETERMINED BY THE TOWN AND ECS.
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- THE TOWN MAY ALLOW THE USE OF PROPRIETARY INLET PROTECTION FOR THE PROPOSED IPAPS FOR THE SAKE OF MAINTENANCE. HOWEVER, THE CONTRACTOR MUST SEEK APPROVAL PRIOR TO INSTALLATION.
- ALL DIRTY STREET, CURBS, GUTTERS, SIDEWALKS, DRIVE AISLES, ETC., MUST BE THOROUGHLY CLEANED THROUGHOUT THE DAY AND IMMEDIATELY BEFORE THE END OF THE WORK DAY.
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- ANY ONSITE BULK FUEL STORAGE REQUIRES A FIRE LIFE SAFETY PERMIT FROM THE TOWN PRIOR TO INSTALLATION. CONTACT RANDY CAPRA AT RCAPRA@PARKERONLINE.ORG OR 303-805-3163.
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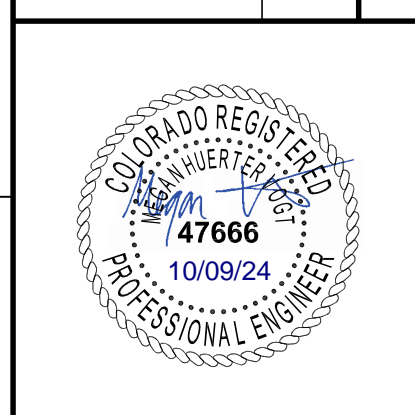
Town of Parker, Director of Engineering/Public Works Date

DATE	DESCRIPTION
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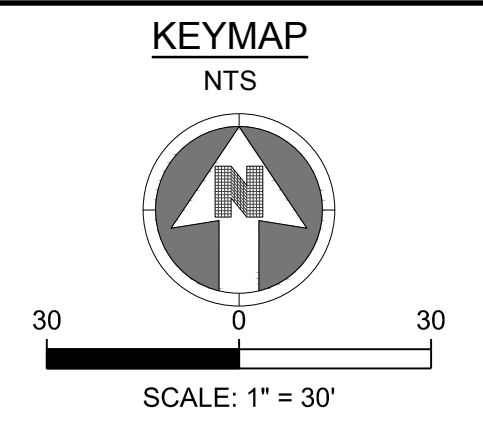
PROJECT: **ADVENTHEALTH PARKER EXPANSION
 PARKER, CO 80138**

DRAWING TITLE: **INTERIM EROSION CONTROL PLAN**

FILE PATH: C:\Users\jph\Documents\S. A. Miros\Civil\Jobs\23079 AHP Expansion\05 CAD\Plans and Details\C244-EROS-PLAN-INTERIM.dwg C244 - 10/09/2024

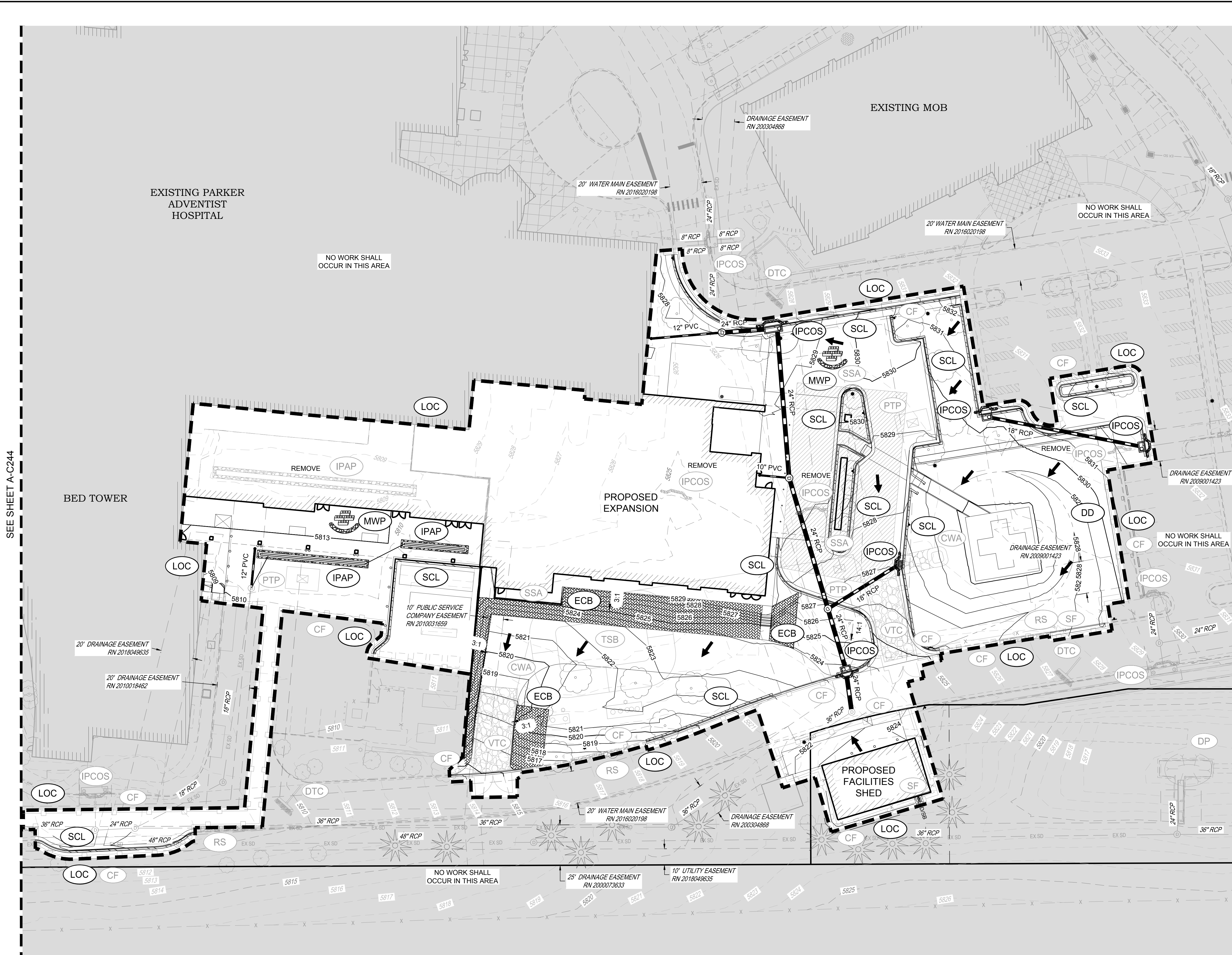


DESIGNED BY: RJH
 DRAWN BY: EDS
 CHECKED BY: MHV
 MIRO JOB NO. 23079
 DRAWING NUMBER: **A-C244**



LEGEND:

	CD	CHECK DAM
	CF	CONSTRUCTION FENCE
	CP	CULVERT PROTECTION
	CWA	CONCRETE WASHOUT AREA
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	LOC	LIMITS OF CONSTRUCTION
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DATE	06/03/2024
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3RD TOWN SUBMITTAL	
NO.	1
NO.	2
NO.	3

PROJECT: **ADVENTHEALTH PARKER EXPANSION
PARKER, CO 80138**

DRAWING TITLE: **INTERIM EROSION CONTROL PLAN**

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DESIGNED BY: RJH
 DRAWN BY: EDS
 CHECKED BY: MHV
 MIRO JOB NO. 23079

DRAWING NUMBER: **A-C245**

Town of Parker, Director of Engineering/Public Works Date



SEE SHEET A-C245



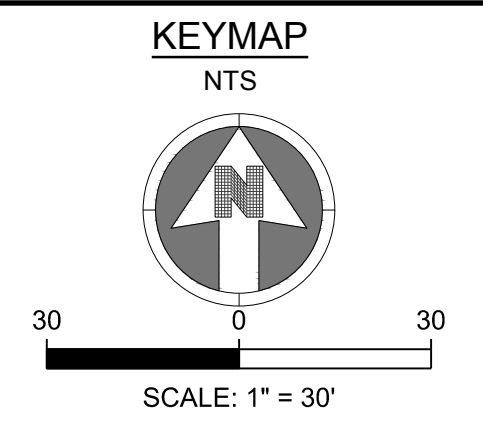
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 Denver, CO 80237
 303-741-3737
 www.samiro.com

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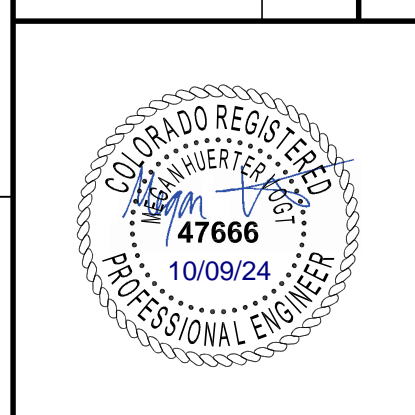
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DATE	DESCRIPTION
06/03/2024	1ST TOWN SUBMITTAL
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10/10/2024	3RD TOWN SUBMITTAL

PROJECT: ADVENTHEALTH PARKER EXPANSION
 PARKER, CO 80138

DRAWING TITLE: INTERIM EROSION CONTROL PLAN

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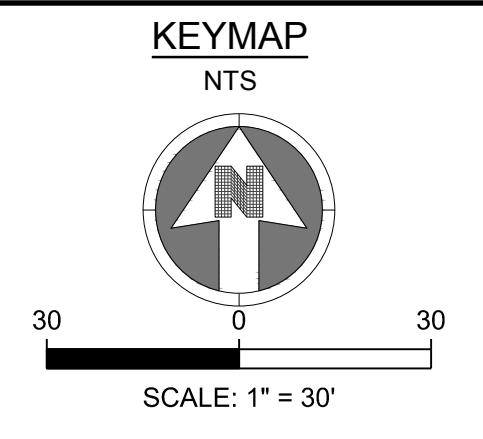
DESIGNED BY: RJH
 DRAWN BY: EDS
 CHECKED BY: MHV
 MIRO JOB NO. 23079

DRAWING NUMBER:
A-C246

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Town of Parker, Director of Engineering/Public Works Date



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	TI	TEMPORARY IRRIGATION
	TSB	TEMPORARY SEDIMENT BASIN
	VTC	VEHICLE TRACKING CONTROL
	LOC	LIMITS OF CONSTRUCTION
		FLOW DIRECTION ARROW



SEE SHEET A-C248

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PROJECT: **ADVENTHEALTH PARKER EXPANSION
 PARKER, CO 80138**

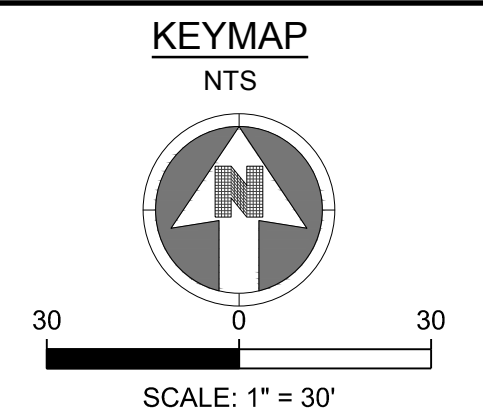
DRAWING TITLE: **FINAL EROSION CONTROL PLAN**

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LEGEND:

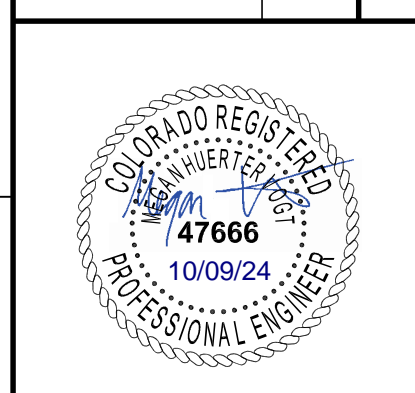
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PROJECT: **ADVENTHEALTH PARKER EXPANSION
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DRAWING TITLE: **FINAL EROSION CONTROL PLAN**

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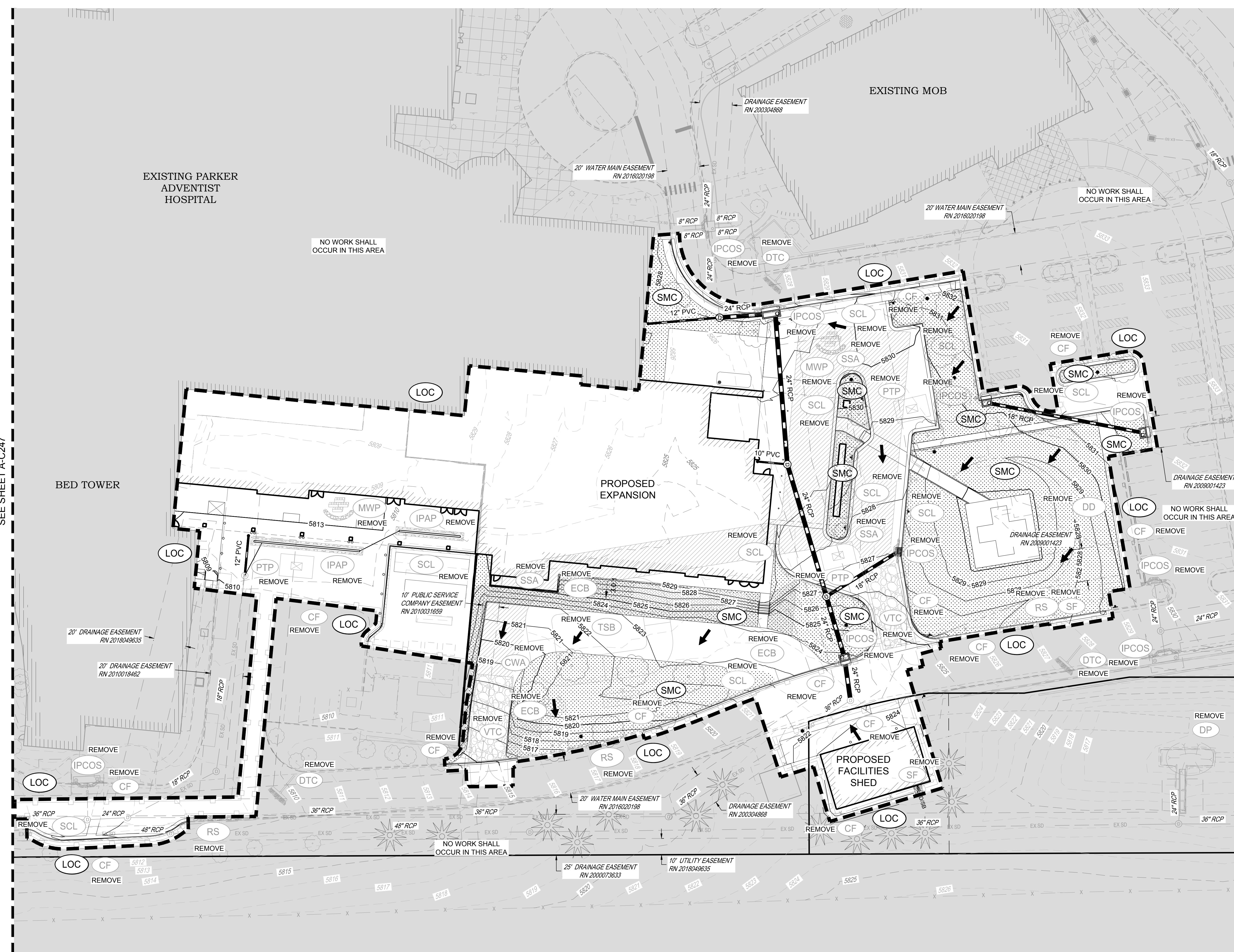
DESIGNED BY: RJH
 DRAWN BY: EDS
 CHECKED BY: MHV
 MIRO JOB NO. 23079
 DRAWING NUMBER:

A-C248

THE TOWN OF PARKER REVIEW CONSTITUTES GENERAL COMPLIANCE WITH TOWN'S STANDARDS AND APPROVED VARIANCES, SUBJECT TO THESE PLANS BEING STAMPED, SIGNED, AND DATED BY THE PROFESSIONAL ENGINEER OF RECORD. REVIEW BY THE TOWN DOES NOT CONSTITUTE APPROVAL OF THE PLAN DESIGN OR ACCURACY AND CORRECTNESS OF ENGINEERING CALCULATIONS. ERRORS IN THE DESIGN OR CALCULATIONS REMAIN THE RESPONSIBILITY OF THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE ARE AFFIXED TO THIS DOCUMENT.

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Town of Parker, Director of Engineering/Public Works Date



SEE SHEET A-C247

NOTES:

- SEE SHEETS A-C251-A-C259 FOR EROSION CONTROL NOTES, LEGEND AND DETAILS.
- ADDITIONAL PTPS MAY BE NEEDED IN THE INTERIM AND FINAL PHASE.
- EROSION CONTROL BLANKETS ARE REQUIRED FOR ALL SLOPES STEEPER THAN 4:1.

TOWN OF PARKER NOTES:

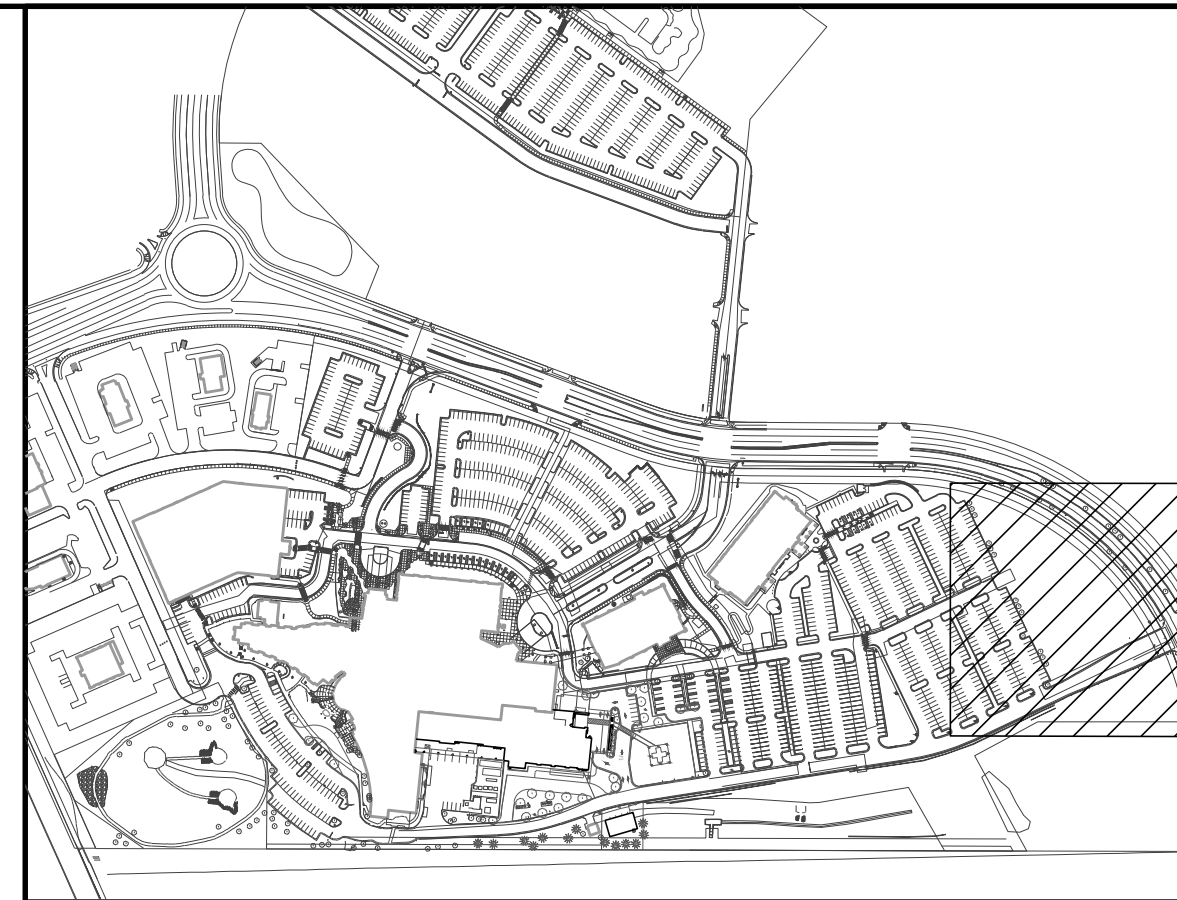
- ALL GRADES SHOWN ARE FINAL FINISHED SURFACE GRADE AFTER TOPSOIL, SOD, PAVING ETC., EXCEPT IN THE AREA OF SOIL STOCK PILE.
- SEE TOWN OF PARKER CONSTRUCTION BEST MANAGEMENT PRACTICES.
- THE VTC PAD FOR A CWA DOES NOT NEED TO CONFORM TO THE FORMAL VTC DETAIL, AND THE TRUE LOCATION OF THE CWA MAY BE DETERMINED BY THE TOWN AND ECS.
- THE TRUE LOCATION OF THE PORTABLE TOILET PROTECTION (PTP) MAY BE DETERMINED.
- THE TOWN MAY ALLOW THE USE OF PROPRIETARY INLET PROTECTION FOR THE PROPOSED IPAPS FOR THE SAKE OF MAINTENANCE. HOWEVER, THE CONTRACTOR MUST SEEK APPROVAL PRIOR TO INSTALLATION.
- ALL DIRTY STREET, CURBS, GUTTERS, SIDEWALKS, DRIVE AISLES, ETC., MUST BE THOROUGHLY CLEANED THROUGHOUT THE DAY AND IMMEDIATELY BEFORE THE END OF THE WORK DAY.
- LOT PROTECTION (LP) IS REQUIRED ON COMMERCIAL LOTS WHEN LANDSCAPING IS NOT POSSIBLE.
- PROVIDE SEDIMENT CONTROL LOGS (SCL) ALONG BACK OF ALL CURBS ADJACENT TO LANDSCAPE/PERVIOUS AREAS INCLUDING LANDSCAPE ISLANDS AND ALL ATTACHED PEDESTRIAN WALKS.
- ANY ONSITE BULK FUEL STORAGE REQUIRES A FIRE LIFE SAFETY PERMIT FROM THE TOWN PRIOR TO INSTALLATION. CONTACT RANDY CAPRA AT RCAPRA@PARKERONLINE.ORG OR 303-805-3163.
- MASONRY WORK PROTECTION IS REQUIRED FOR CONSTRUCTION OF BUILDINGS.
- THE TRUE LOCATION OF THE CWA MAY BE DETERMINED BY THE TOWN AND ECS.
- TO REDUCE THE POTENTIAL FOR CLOGGING OF DEBRIS GRATES, NO STRAW MULCH SHALL BE USED WITHIN THE EXCESS URBAN RUNOFF VOLUME OF A DETENTION BASIN. INSTEAD, EROSION CONTROL BLANKET SHALL BE INSTALLED FOR A WIDTH OF AT LEAST 6-FOOT ON BOTH SIDES OF THE CONCRETE LOW FLOW CHANNELS OR UP TO A DEPTH OF 1-FOOT IN SOIL RIPRAP OR BENCHED LOW FLOW CHANNELS. ADDITIONALLY, HYDRAULICALLY APPLIED WOOD FIBER MULCH, STABILIZED FIBER MATRIX, BONDED FIBER MATRIX, OR FLEXIBLE GROWTH MEDIUM SHALL BE USED IN ALL OTHER AREAS WITHIN THE EXCESS URBAN RUNOFF VOLUME OF THE DETENTION BASIN. THE BLANKET AND HYDRAULICALLY APPLIED MULCH SHALL COMPLY WITH THE MATERIALS AND INSTALLATION REQUIREMENTS FOR EROSION CONTROL BLANKETS AS REQUIRED BY THE TOWN'S CBMP PROGRAM, AND WHERE APPLICABLE, THE PRODUCT MANUFACTURER

SEE SHEET A-C248



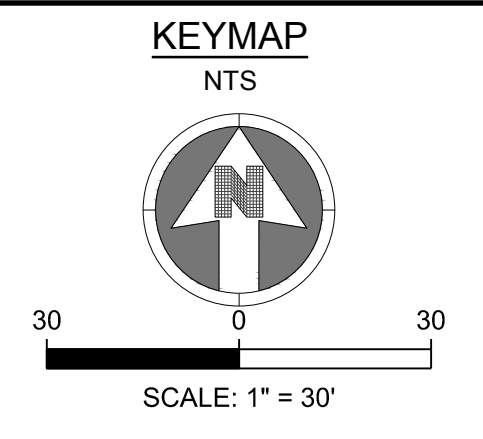
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LEGEND:

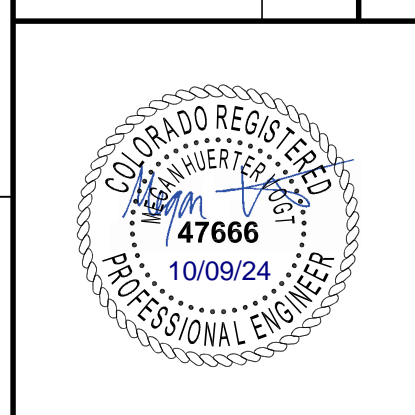
	CD	CHECK DAM
	CF	CONSTRUCTION FENCE
	CP	CULVERT PROTECTION
	CWA	CONCRETE WASHOUT AREA
	D	DEWATERING
	DD	DIVERSION DITCH
	DP	DETENTION POND PROTECTION
	DTC	DEBRIS TRASH CONTROL
	ECB	EROSION CONTROL BLANKET
	IPAN	INLET PROTECTION FOR AREA INLETS NOT IN PAVEMENT
	IPAP	INLET PROTECTION FOR AREA INLETS IN PAVEMENT
	IPCOG	INLET PROTECTION, CURB ON-GRADE, TYPE R INLET
	IPCOS	INLET PROTECTION, CURB ON SUMP, TYPE R INLET
	LP	LOT PROTECTION
	MWP	MASONRY WORK PROTECTION
	PTP	PORTABLE TOILET PROTECTION
	RCSC	ROUGH CUT STREET CONTROL
	RS	ROCK SOCK
	RSS	ROCK SOCK IN SWALE
	SB	STRAW BALE
	SCL	SEDIMENT CONTROL LOGS
	SF	SILT FENCE
	SMC	SEEDING, MULCHING AND CRIMPING
	SR	SURFACE ROUGHING
	SSA	STABILIZED STAGING AREA
	STP	SIDEWALK TRANSITION PROTECTION
	TI	TEMPORARY IRRIGATION
	TSB	TEMPORARY SEDIMENT BASIN
	VTC	VEHICLE TRACKING CONTROL
	LOC	LIMITS OF CONSTRUCTION
		FLOW DIRECTION ARROW

DATE	DESCRIPTION	NO.
06/09/2024	1ST TOWN SUBMITTAL	#
08/16/2024	2ND TOWN SUBMITTAL	#
10/10/2024	3RD TOWN SUBMITTAL	#
		#
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PROJECT: **ADVENTHEALTH PARKER EXPANSION
 PARKER, CO 80138**

DRAWING TITLE: **FINAL EROSION CONTROL PLAN**

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Town of Parker, Director of Engineering/Public Works Date

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	TEMPORARY IRRIGATION
	TEMPORARY SEDIMENT BASIN
	VEHICLE TRACKING CONTROL

CBMP
CONSTRUCTION BEST MANAGEMENT PRACTICES
LEGEND
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	CHECK DAM
	CONSTRUCTION FENCE
	CULVERT PROTECTION
	CONCRETE WASHOUT AREA
	DEWATERING
	DIVERSION DITCH
	DETENTION POND PROTECTION
	DEBRIS TRASH CONTROL
	EROSION CONTROL BLANKET
	INLET PROTECTION FOR AREA INLETS NOT IN PAVEMENT
	INLET PROTECTION FOR AREA INLETS IN PAVEMENT
	INLET PROTECTION, CURB ON-GRADE, TYPE R INLET
	INLET PROTECTION, CURB ON SUMP, TYPE R INLET

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CONSTRUCTION BEST MANAGEMENT PRACTICES
LEGEND
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25. ALL CHEMICAL OR HAZARDOUS MATERIAL SPILLS, INCLUDING CONCRETE WASHOUT WATER, WHICH MAY ENTER WATERS OF THE STATE OF COLORADO, WHICH INCLUDES BUT ARE NOT LIMITED TO SURFACE WATER, GROUND WATER, DRY GULCHES OR STORM SEWERS LEADING TO SURFACE WATER, SHALL BE IMMEDIATELY REPORTED TO THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT (CDPHE) PER 25-6-601, AND THE TOWN OF PARKER. RELEASES OF PETROLEUM PRODUCTS AND CERTAIN HAZARDOUS SUBSTANCES LISTED UNDER THE FEDERAL CLEAN WATER ACT (40 CFR PART 116) MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER AND THE CDPHE. SPILLS THAT POSE AN IMMEDIATE SAFETY HAZARD SHALL BE REPORTED TO 911.
26. THE CLEANING OF CONCRETE TRUCKS AND EQUIPMENT IS RESTRICTED TO THE APPROVED CONCRETE WASHOUT LOCATION ON THE JOB SITE. CONCRETE WASH WATER SHALL NOT BE DISCHARGED TO STATE WATERS OR STORM SEWER SYSTEMS.
27. VEHICLE AND EQUIPMENT DEGREASING IS PROHIBITED ON THE JOB SITE.
28. ALL DEWATERING ON SITE SHALL BE COORDINATED WITH THE TOWN'S INSPECTOR. A STATE PERMIT MAY BE REQUIRED FOR DEWATERING. THE EROSION CONTROL SUPERVISOR IS RESPONSIBLE FOR OBTAINING AND ADHERING TO ALL APPLICABLE PERMITS.
29. HYDRAULIC SEEDING AND/OR HYDRAULIC MULCHING ARE ONLY ALLOWED IN AREAS UNDER TEMPORARY OR PERMANENT IRRIGATION OR FOR THE PURPOSE OF TEMPORARY SOIL STABILIZATION.
30. APPLICABLE CONSTRUCTION BMPs SHALL REMAIN IN PLACE AND PROPERLY MAINTAINED UNTIL ALL LANDSCAPING HAS BEEN INSTALLED AND THE DESIRABLE VEGETATION HAS REACHED A POINT IN WHICH EROSION AND SEDIMENTATION IS NO LONGER A CONCERN AS DETERMINED BY THE TOWN'S INSPECTOR.
31. GRADING SECURITY RELEASE REQUIREMENTS:
 - 1) DEVELOPABLE PROPERTY: IN ORDER FOR THE GRADING SECURITY TO BE RELEASED, THE SITE MUST MEET ITEMS A-H OR ITEM I (BELOW).
 - A. ALL SOIL-DISTURBING ACTIVITIES ASSOCIATED WITH THE GRADING PERMIT HAVE PERMANENTLY CEASED.
 - B. ALL CBMPs HAVE BEEN PROPERLY REMOVED FROM THE SITE.
 - C. ALL CBMPs HAVE BEEN PROPERLY REMOVED FROM THE SITE.
 - D. IF ANY EROSION IS PRESENT, IT IS INSIGNIFICANT AND IS NOT LEAVING THE SITE AND/OR LEADING INTO ANY ON-SITE DRAINAGE INFRASTRUCTURE THAT MAY CONVEY SURFACE WATER OFF SITE.
 - E. WEEDS REPRESENT NO MORE THAN FIFTY PERCENT (50%) OF THE TOTAL VEGETATION ON THE SITE.
 - F. NO WEEDS ARE PRESENT FROM LIST A OF THE COLORADO NOXIOUS WEED LIST, AS AMENDED.
 - G. THE SITE IS PREDOMINANTLY FREE OF WEEDS FROM LIST B OF THE COLORADO NOXIOUS WEED LIST, AS AMENDED.
 - H. WEEDS ARE EVENLY DISTRIBUTED THROUGHOUT THE SITE WITH NO LARGE CONCENTRATIONS PRESENT.
 - I. A NEW GRADING PERMIT AND REPLACEMENT SECURITY HAS BEEN SUBMITTED AND APPROVED FOR THE APPLICABLE SITE OR ASSIGNMENT AS PROVIDED BY SECTION 11.10.150 OF THE TOWN OF PARKER MUNICIPAL CODE. IT IS THE PROPERTY OWNER'S OBLIGATION AT THE TIME OF CLOSING TO ENSURE THAT THE NEW SITE OWNER HAS PROVIDED THE TOWN WITH A REPLACEMENT SECURITY.

CBMP
CONSTRUCTION BEST MANAGEMENT PRACTICES
GEN NOTES
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1. GRADING, DRILLING, CLEARING, EXCAVATING, BACK-FILLING, SOIL STRIPPING, SOIL IMPORTING EXPORTING OR ANY OTHER FORM OF SOIL DISTURBANCE SHALL NOT COMMENCE UNTIL A TOWN OF PARKER GRADING/EXCAVATION PERMIT HAS BEEN ISSUED.
2. THE TOWN OF PARKER GRADING/EXCAVATION PERMIT IS VALID FOR A PERIOD OF 2 YEARS FROM THE DATE OF ISSUANCE. ANY Lapse IN PERMIT COVERAGE MAY RESULT IN THE ISSUANCE OF A STOP WORK ORDER AND/OR FINES.
3. ALL EROSION AND SEDIMENT CONTROL BMPs SHALL BE INSTALLED ACCORDING TO THE CBMP PLAN INSTALLATION NOTES AND DETAILS AND/OR PERMITTED VARIANCES. ALL MATERIALS, WORKMANSHIP AND INSTALLATION METHODS ARE SUBJECT TO INSPECTION BY THE TOWN'S INSPECTOR. THE TOWN OF PARKER RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS, WORKMANSHIP AND/OR INSTALLATION METHODS THAT DO NOT CONFORM TO THE CBMP PLAN AND/OR PERMITTED VARIANCES.
4. THE EROSION CONTROL SUPERVISOR SHALL REVISE OR MODIFY THE EROSION AND SEDIMENT CONTROL MEASURES IF IT BECOMES APPARENT THAT THE ORIGINAL PLAN IS INADEQUATE, OR AS A RESULT OF DEFICIENCIES IDENTIFIED DURING INSPECTIONS PERFORMED BY THE TOWN'S INSPECTOR.
5. THE INSTALLATION OF ADDITIONAL EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs) MAY BE REQUIRED OF THE EROSION CONTROL SUPERVISOR, PROPERTY OWNER, SITE DEVELOPER, CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS AT ANY TIME THROUGHOUT THE DURATION OF THE PROJECT CONSTRUCTION AND/OR SUBSEQUENT REVEGETATION PERIOD.
6. THE EROSION CONTROL SUPERVISOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE SITE REMAINS IN COMPLIANCE WITH THE NOTICE OF NUISANCE REPORTS (a.k.a. CONSTRUCTION SITE RUNOFF CONTROL INSPECTION REPORTS), APPROVED CBMP PLAN(S) AND THE TOWN OF PARKER STORM DRAINAGE AND ENVIRONMENTAL CRITERIA MANUAL.
7. THE EROSION CONTROL SUPERVISOR SHALL BE READILY AVAILABLE TO DISCUSS AND CORRECT ANY PROBLEMS THAT MAY ARISE RELATING TO GRADING, EROSION AND SEDIMENT CONTROL.
8. IF IT IS ANTICIPATED THAT ALL OR A PORTION OF THE PROJECT WILL OCCUR DURING SEASONS SUSCEPTIBLE TO SNOWFALL, THE USE OF CERTAIN EROSION AND SEDIMENT CONTROL BMPs ADJACENT TO PUBLIC ROADWAYS MAY NEED TO BE RECONSIDERED DUE TO THE NATURE OF SNOW REMOVAL OPERATIONS. AN APPROVED ALTERNATIVE MAY BE NECESSARY TO MINIMIZE DAMAGE FROM THESE OPERATIONS. THE TOWN OF PARKER ASSUMES NO RESPONSIBILITY FOR DAMAGE TO ANY BMPs AS A RESULT OF SNOW FLOWING AND SNOW REMOVAL.
9. AREAS OF LAND DISTURBANCE EQUAL TO 40 ACRES OR GREATER SHALL NOT BE EXPOSED FOR MORE THAN 30 CONSECUTIVE DAYS WITHOUT TEMPORARY OR PERMANENT STABILIZATION.
10. AUTHORIZED EXEMPTIONS MAY BE ALLOWED TO THE 40-ACRE LIMIT FOR REMOVAL AND STORAGE OF CUT MATERIAL, WHERE (A) GEOTECHNICAL LIMITATIONS RESTRICT THE USE OF TEMPORARY OR PERMANENT STABILIZATION OF THE STORED MATERIAL (E.G., SWELLING SOILS, ROCK) AND (B) WHEN THE OWNER CAN DEMONSTRATE THAT THE 40-ACRE LIMIT IS PHYSICALLY AND/OR FINANCIALLY IMPRACTICABLE. FOR SITES GRANTED THIS EXEMPTION, A PHASING AND EARTHWORK QUANTITIES PLAN SHALL BE SUBMITTED TO THE PUBLIC WORKS DEPARTMENT AND APPROVED PRIOR TO THE COMMENCEMENT OF LAND DISTURBANCE ACTIVITIES. SUBMITTAL REQUIREMENTS INCLUDE:
 - (i) PHASING PLAN SHOWING CUT AND FILL VOLUMES AND LOCATIONS FOR EACH PHASE AND PROJECT TOTALS.
 - (ii) EARTHWORK QUANTITY PLAN SHOWING CUT AND FILL VOLUMES AND LOCATIONS FOR EACH PHASE AND PROJECT TOTALS.
 - (iii) BMP PLAN SHOWING SPECIFIC EROSION AND SEDIMENT CONTROLS FOR EACH PHASE.

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	LOT PROTECTION
	MASONRY WORK PROTECTION
	PORTABLE TOILET PROTECTION
	ROUGH CUT STREET CONTROL
	ROCK SOCK
	ROCK SOCK IN SWALE
	STRAW BALE
	SEDIMENT CONTROL LOGS
	SILT FENCE
	SEEDING, MULCHING AND CRIMPING
	SURFACE ROUGHING
	STABILIZED STAGING AREA
	SIDEWALK TRANSITION PROTECTION

CBMP
CONSTRUCTION BEST MANAGEMENT PRACTICES
LEGEND
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- 2) NONDEVELOPABLE PROPERTY: IN ORDER FOR THE GRADING SECURITY TO BE RELEASED, THE SITE MUST MEET ITEMS A-H AND J, OR ITEMS I AND J (BELOW).
 - A. ALL SOIL-DISTURBING ACTIVITIES ASSOCIATED WITH THE GRADING PERMIT HAVE PERMANENTLY CEASED.
 - B. ALL CBMPs HAVE BEEN PROPERLY REMOVED FROM THE SITE.
 - C. EROSION IS NEGLIGIBLE, IF EVEN PRESENT.
 - D. THE VEGETATION REPRESENTS A PERENNIAL STAND OF A DENSE, UNIFORM SURFACE OF GRASS WITH NO AREA GREATER THAN ONE (1) SQUARE FOOT THAT IS BARRIER OF DESIRABLE VEGETATION. INFREQUENT, WIDELY SCATTERED AREAS WHERE NATIVE VEGETATION HAS NOT YET TAKEN HOLD MAY QUALIFY FOR ACCEPTANCE AT THE DISCRETION OF THE TOWN.
 - E. WEEDS REPRESENT NO MORE THAN TEN PERCENT (10%) OF THE TOTAL VEGETATION ON SITE.
 - F. NO WEEDS ARE PRESENT FROM LIST A OF THE COLORADO NOXIOUS WEED LIST, AS AMENDED.
 - G. THE SITE IS PREDOMINANTLY FREE OF WEEDS FROM LIST B OF THE COLORADO NOXIOUS WEED LIST, AS AMENDED.
 - H. WEEDS ARE EVENLY DISTRIBUTED THROUGHOUT THE SITE WITH NO LARGE CONCENTRATIONS PRESENT.
 - I. A NEW GRADING PERMIT AND REPLACEMENT SECURITY HAS BEEN SUBMITTED AND APPROVED FOR THE APPLICABLE SITE OR THE GRADING PERMIT HAS BEEN ASSIGNED AS PROVIDED BY SECTION 11.10.150 OF THE TOWN OF PARKER MUNICIPAL CODE. IT IS THE PROPERTY OWNER'S OBLIGATION, AT THE TIME OF CLOSING ON THE SALE OF A SITE THAT IS SUBJECT TO A GRADING PERMIT, TO ENSURE THAT THE NEW PROPERTY OWNER HAS PROVIDED THE TOWN WITH A REPLACEMENT SECURITY.
 - J. ALL KNOWN DRAINAGE ISSUES ASSOCIATED WITH THE PROJECT HAVE BEEN MITIGATED AND A SUFFICIENT AMOUNT OF TIME HAS PASSED TO ENSURE THAT SUCH ISSUES HAVE BEEN CORRECTED. THIS REQUIREMENT DOES NOT INCLUDE THOSE DRAINAGE ISSUES ORIGINATING ON RESIDENTIAL LOTS.

(D) NOXIOUS WEEDS MUST BE CONTROLLED AS PROVIDED UNDER STATE LAW AND SECTION 6.01.260 OF THE TOWN OF PARKER MUNICIPAL CODE. FAILURE TO CONTROL NOXIOUS WEEDS ON THE SITE MAY CONSTITUTE A NUISANCE, SUBJECT TO THE PENALTIES CONTAINED IN THE CODE.

DEFINITIONS:
DEVELOPABLE PROPERTY MEANS ANY LAND THAT HAS BEEN GRADED AND IS PART OF A PLATTED LOT OR PLATTED TRACT OF RECORD, THAT WAS PLATTED FOR FUTURE DEVELOPMENT, INCLUDING RESIDENTIAL HOME CONSTRUCTION OR PUBLIC IMPROVEMENTS.
NONDEVELOPABLE PROPERTY MEANS LAND THAT HAS BEEN GRADED AND WILL NOT BE FURTHER DISTURBED AS PART OF ANY FUTURE DEVELOPMENT. EXAMPLES INCLUDE, BUT ARE NOT LIMITED TO, PARKS, OPEN SPACE, HOMEOWNER ASSOCIATION OR BUSINESS ASSOCIATION PLATTED TRACTS, DETENTION PONDS AND DRAINAGEWAYS.
32. FAILURE TO COMPLY WITH ANY OF THE REQUIREMENTS DESCRIBED IN THIS SECTION MAY RESULT IN THE ISSUANCE OF: A NOTICE OF INTENT TO ISSUE A STOP WORK ORDER, A STOP WORK ORDER AND/OR THE REMEDIES/PENALTIES DESCRIBED IN CHAPTER 11.10 OF THE TOWN OF PARKER MUNICIPAL CODE.
33. ANY PERSON CONVICTED OF VIOLATING ANY PROVISION OF THE TOWN OF PARKER, GRADING & EARTH MOVEMENT SECTION OF THE MUNICIPAL CODE SHALL BE GUILTY OF A MISDEMEANOR AND, UPON CONVICTION, BE PUNISHED BY A FINE OF NOT MORE THAN FOUR HUNDRED NINETY NINE DOLLARS (\$499.00) FOR EACH SEPARATE OFFENSE. EACH DAY A VIOLATION CONTINUES SHALL CONSTITUTE A SEPARATE OFFENSE. THE TOWN ALSO MAY SEEK IN MUNICIPAL COURT AN INJUNCTION, ABATEMENT, RESTITUTION OR ANY OTHER REMEDY TO PREVENT, ENJOIN, ABATE OR REMOVE THE VIOLATION. A PERSON CONVICTED OF VIOLATING CHAPTER 11.10 OF THE TOWN OF PARKER MUNICIPAL CODE SHALL BE LIABLE FOR THE ACTUAL COST OF REHABILITATING THE PROPERTY. THE COSTS MAY BE RECOVERED AS RESTITUTION IN MUNICIPAL COURT PROCEEDINGS OR IN A SEPARATE CIVIL ACTION.
34. THE TOWN OF PARKER RESERVES THE RIGHT TO ALLOW MODIFICATIONS AND SUBSTITUTIONS TO THE CBMP NOTES AND DETAILS WHEN SUCH MODIFICATIONS AND SUBSTITUTIONS OFFER THE SAME LEVEL OF PROTECTION AS THE STANDARD REQUIREMENTS BASED UPON THE SPECIFIC SITUATION, AS DETERMINED BY TOWN STAFF, DUE TO THE INSIGNIFICANCE AND REGULARITY OF SUCH MODIFICATIONS AND SUBSTITUTIONS. THE APPROVAL OF SUCH VARIATIONS MAY NOT BE DOCUMENTED BY TOWN STAFF.

CBMP
CONSTRUCTION BEST MANAGEMENT PRACTICES
LEGEND
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11. ANY EROSION AND SEDIMENT CONTROL BMPs THAT ARE DAMAGED OR IN NEED OF MAINTENANCE OR REPLACEMENT SHALL BE CORRECTED AS SOON AS POSSIBLE, IMMEDIATELY IN MOST CASES.
12. ALL DEFICIENCIES LISTED ON THE NOTICE OF NUISANCE FORM SHALL BE COMPLETED AS SOON AS POSSIBLE, IMMEDIATELY IN MOST CASES. ALL REQUIRED ACTIONS MUST BE IN THE CORRECTED FORM DURING THE FOLLOW-UP INSPECTION.
13. THE EROSION CONTROL SUPERVISOR IS RESPONSIBLE FOR ENSURING THAT ALL STREETS, CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS, PARKING LOTS, ALLEYS, TRUCK CHANNELS, AND/OR OTHER IMPERVIOUS SURFACES IMPACTED BY CONSTRUCTION ACTIVITIES ARE THOROUGHLY CLEANED THROUGHOUT THE DAY IF THEY BECOME SOILED. THESE AREAS MUST ALSO BE THOROUGHLY CLEAN BEFORE THE END OF THE WORK DAY.
14. BULK STORAGE STRUCTURES FOR PETROLEUM PRODUCTS AND OTHER CHEMICALS SHALL HAVE ADEQUATE PROTECTION SO AS TO CONTAIN ALL SPILLS AND PREVENT ANY SPILLED MATERIAL FROM ENTERING STATE WATERS.
15. ALL TRASH RECEPTACLES ON SITE SHALL BE FREE OF HOLES, CRACKS, GAPS, AND/OR OTHER PERMEABLE AREAS THAT MAY ALLOW FOR THE DISCHARGE OF POLLUTANTS.
16. ALL TRASH RECEPTACLES ON SITE SHALL BE EMPTIED AT A FREQUENCY AS TO ENSURE THAT THE TRASH REMAINS CONFINED TO THE RECEPTACLE.
17. ALL LOOSE TRASH AND LITTER ASSOCIATED WITH THE PROJECT MUST BE REMOVED AND PROPERLY DISCARDED ON A DAILY BASIS.
18. ALL PORTABLE TOILETS SHALL BE STAKED DOWN AT ALL TIMES USING U-SHAPED REBAR STAKES. THE PORTABLE TOILETS SHALL ALSO BE PLACED A MINIMUM DISTANCE OF 10 FEET FROM ALL IMPERVIOUS SURFACES, INCLUDING, BUT NOT LIMITED TO STREETS, CURBS, GUTTERS, SIDEWALKS AND PARKING LOTS.
19. THE EROSION CONTROL SUPERVISOR SHALL MAINTAIN STRICT ADHERENCE TO THE LIMITS OF CONSTRUCTION AND PROPERTY LIMITS FOR ALL MATERIALS, VEHICLES AND EQUIPMENT FAILURE TO ABIDE BY THIS REQUIREMENT MAY RESULT IN THE ISSUANCE OF A STOP WORK ORDER.
20. ALL CONSTRUCTION TRAFFIC MUST ENTER AND EXIT THE SITE THROUGH THE APPROVED ACCESS POINT(S). A VEHICLE TRACKING CONTROL PAD IS REQUIRED AT ALL APPROVED ACCESS POINTS TO THE SITE. EXCEPTIONS MAY BE CONSIDERED FOR CONSTRUCTION ACTIVITY OCCURRING IMMEDIATELY ADJACENT TO PAVED AREAS AND WHERE ALTERNATIVE BMPs ARE IMPLEMENTED. SUCH ACTIVITY MAY INCLUDE, BUT NOT BE LIMITED TO RESIDENTIAL CONSTRUCTION, UTILITY CONSTRUCTION, ETC.
21. NO PERMANENT SLOPES GREATER THAN 3:1 ARE ALLOWED.
22. ALL PERMANENT SLOPES STEEPER THAN 4:1 (HORIZONTAL TO VERTICAL) SHALL REQUIRE EROSION CONTROL BLANKET(S). TEMPORARY SLOPES IN TEMPORARY SEDIMENT BASINS THAT ARE STEEPER THAN 4:1 MAY REQUIRE EROSION CONTROL BLANKETS.
23. THE EROSION CONTROL SUPERVISOR SHALL BE RESPONSIBLE FOR CORRECTING ANY ADVERSE IMPACTS THAT OCCUR TO NEIGHBORING PROPERTIES. THE EROSION CONTROL SUPERVISOR MUST OBTAIN PERMISSION FROM LAND OWNERS PRIOR TO ENTERING SUCH PROPERTY.
24. A WATER SOURCE SHALL BE AVAILABLE ONSITE DURING CONSTRUCTION ACTIVITIES, AND UTILIZED TO MINIMIZE FUGITIVE DUST. ALTERNATIVE BMPs MAY BE REQUIRED IF INITIAL ATTEMPTS TO SUPPRESS DUST ARE UNSUCCESSFUL.

CBMP
CONSTRUCTION BEST MANAGEMENT PRACTICES
GEN NOTES
2 OF 4
Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

11. ANY EROSION AND SEDIMENT CONTROL BMPs THAT ARE DAMAGED OR IN NEED OF MAINTENANCE OR REPLACEMENT SHALL BE CORRECTED AS SOON AS POSSIBLE, IMMEDIATELY IN MOST CASES.
12. ALL DEFICIENCIES LISTED ON THE NOTICE OF NUISANCE FORM SHALL BE COMPLETED AS SOON AS POSSIBLE, IMMEDIATELY IN MOST CASES. ALL REQUIRED ACTIONS MUST BE IN THE CORRECTED FORM DURING THE FOLLOW-UP INSPECTION.
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20. ALL CONSTRUCTION TRAFFIC MUST ENTER AND EXIT THE SITE THROUGH THE APPROVED ACCESS POINT(S). A VEHICLE TRACKING CONTROL PAD IS REQUIRED AT ALL APPROVED ACCESS POINTS TO THE SITE. EXCEPTIONS MAY BE CONSIDERED FOR CONSTRUCTION ACTIVITY OCCURRING IMMEDIATELY ADJACENT TO PAVED AREAS AND WHERE ALTERNATIVE BMPs ARE IMPLEMENTED. SUCH ACTIVITY MAY INCLUDE, BUT NOT BE LIMITED TO RESIDENTIAL CONSTRUCTION, UTILITY CONSTRUCTION, ETC.
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CBMP
CONSTRUCTION BEST MANAGEMENT PRACTICES
GEN NOTES
2 OF 4
Oct. 2013

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DATE	DESCRIPTION
06/03/2024	1ST TOWN SUBMITTAL
08/16/2024	2ND TOWN SUBMITTAL
10/10/2024	3RD TOWN SUBMITTAL

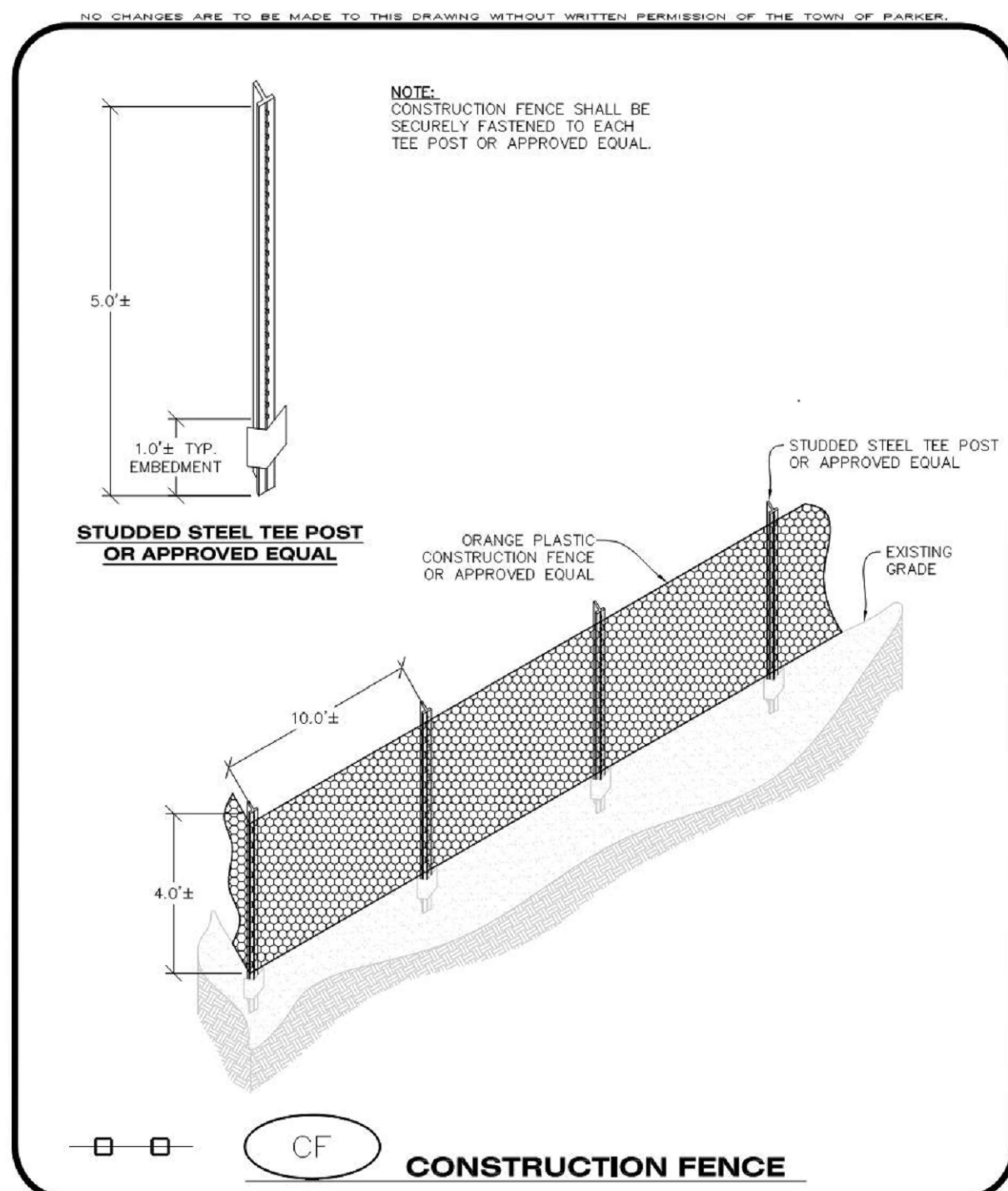
PROJECT: **ADVENTHEALTH PARKER EXPANSION PARKER, CO 80138**

DRAWING TITLE: **EROSION CONTROL DETAILS**

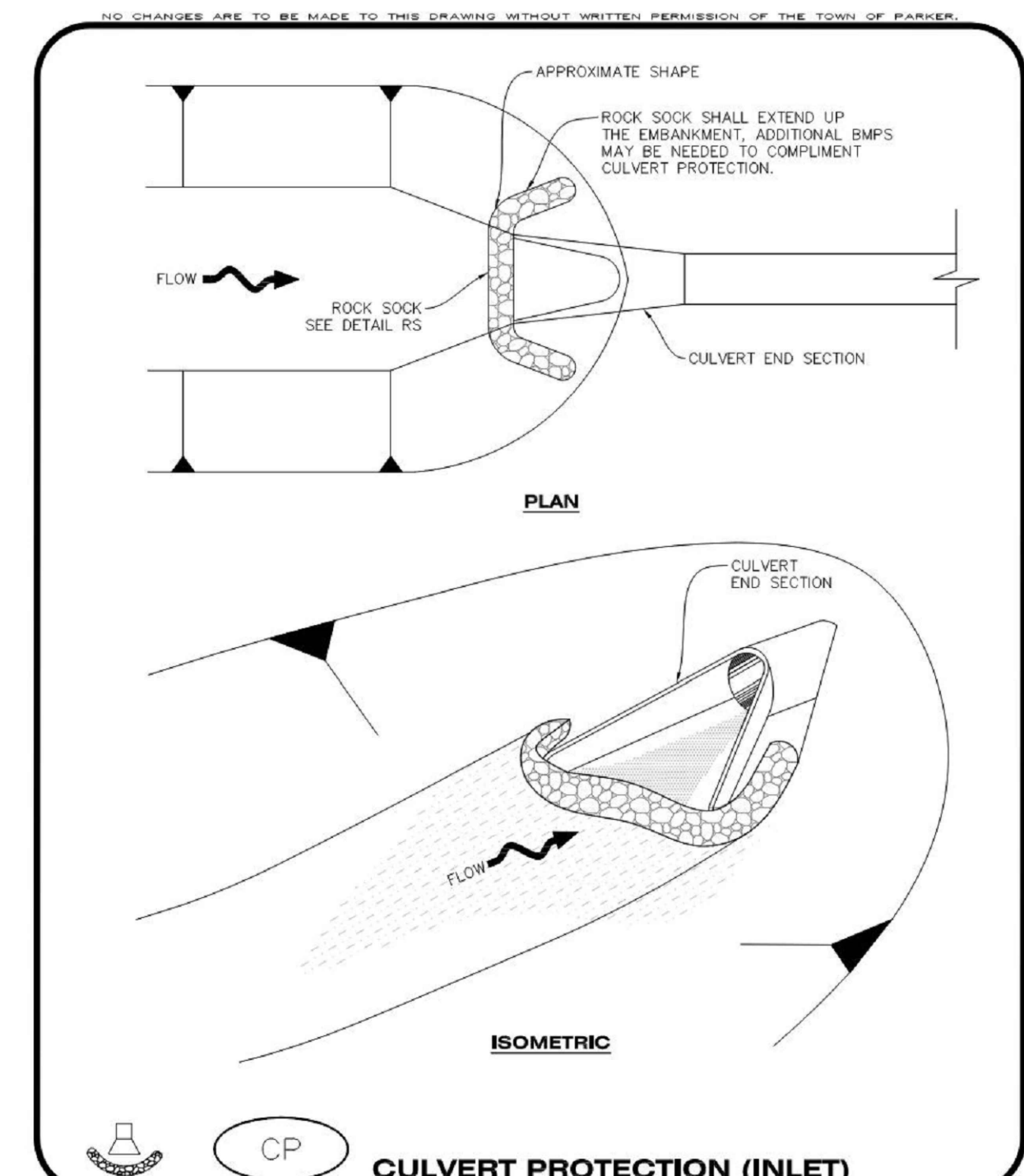
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DESIGNED BY: RJH
DRAWN BY: EDS
CHECKED BY: MHV
MIRO JOB NO. 23079
DRAWING NUMBER: **A-C251**

PROFESSIONAL ENGINEER
47666
10/09/24



Parker COLORADO | **CBMP** | **CF**
CONSTRUCTION BEST MANAGEMENT PRACTICES | 1 OF 2
Oct. 2013



Parker COLORADO | **CBMP** | **CP**
CONSTRUCTION BEST MANAGEMENT PRACTICES | 1 OF 2
Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

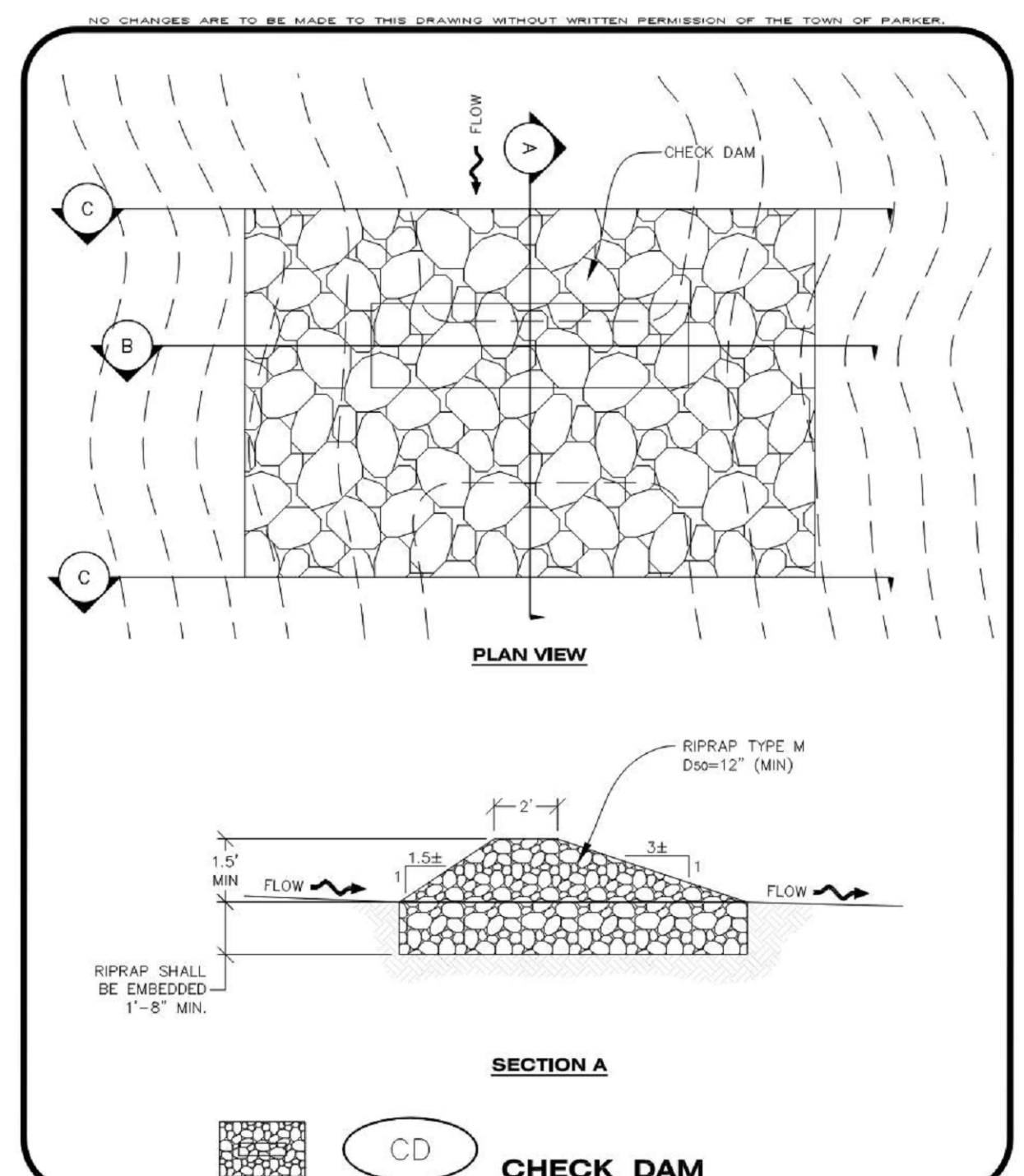
CHECK DAM INSTALLATION NOTES

- SEE PLAN VIEW FOR LOCATION(S) OF CHECK DAMS.
- CHECK DAMS SHOWN ON CBMP PLAN SHALL BE INSTALLED WHEN DIRECTED BY THE TOWN'S INSPECTOR.
- RIPRAP UTILIZED FOR CHECK DAMS SHALL HAVE A D50 MEDIAN STONE SIZE OF 12".
- RIPRAP PAD SHALL BE TRENCHED INTO THE GROUND A MINIMUM OF 1'-8".
- THE MAXIMUM SPACING BETWEEN CHECK DAMS SHOULD BE SUCH THAT THE BOTTOM OF THE UPSTREAM DAM IS AT THE SAME ELEVATION AS THE TOP OF THE DOWNSTREAM DAM AS SHOWN IN THE DETAIL.

CHECK DAM INSPECTION AND MAINTENANCE NOTES

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE CHECK DAMS.
- ACCUMULATED SEDIMENT SHALL BE REMOVED ONCE SEDIMENT HAS REACHED A DEPTH EQUAL TO 1/2 THE HEIGHT OF THE CREST OR AS OTHERWISE DIRECTED BY THE TOWN'S INSPECTOR.
- CHECK DAMS SHALL REMAIN IN PLACE AND PROPERLY MAINTAINED UNTIL VEGETATIVE COVER HAS REACHED A CONSISTENT DENSITY OF AT LEAST 70% OF FULL VEGETATIVE COVER AND EROSION AND SEDIMENTATION IS NO LONGER A POSSIBILITY AS DETERMINED BY THE TOWN'S INSPECTOR OR AS OTHERWISE DIRECTED BY THE TOWN'S INSPECTOR.
- WHEN CHECK DAMS ARE REMOVED, THE TOWN'S INSPECTOR MAY REQUIRE EXCAVATIONS TO BE FILLED WITH SUITABLE COMPACTED TOPSOIL AND ANY DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE CHECK DAMS BE ROUGHENED, SEEDED, MULCHED, AND CRIMPED PER THE TOWN'S SPECIFICATIONS (SEE DETAIL SMC).
- IN SOME INSTANCES, CHECK DAMS MAY REMAIN IN PLACE PERMANENTLY.

Parker COLORADO | **CBMP** | **CD**
CONSTRUCTION BEST MANAGEMENT PRACTICES | 3 OF 3
Oct. 2013



Parker COLORADO | **CBMP** | **CD**
CONSTRUCTION BEST MANAGEMENT PRACTICES | 1 OF 3
Oct. 2013

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CONSTRUCTION FENCE INSTALLATION NOTES

- THE CONSTRUCTION FENCE SHALL BE SECURELY FASTENED TO EACH POST OR APPROVED EQUAL.

CONSTRUCTION FENCE INSPECTION AND MAINTENANCE NOTES

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE CONSTRUCTION FENCE AND MAKE ANY NECESSARY REPAIRS.
- CONSTRUCTION FENCE SHALL BE REPAIRED WHEN THE FENCING MATERIAL FALLS OUT OF COMPLIANCE WITH THE NOTES AND DETAILS.

Parker COLORADO | **CBMP** | **CF**
CONSTRUCTION BEST MANAGEMENT PRACTICES | 2 OF 2
Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

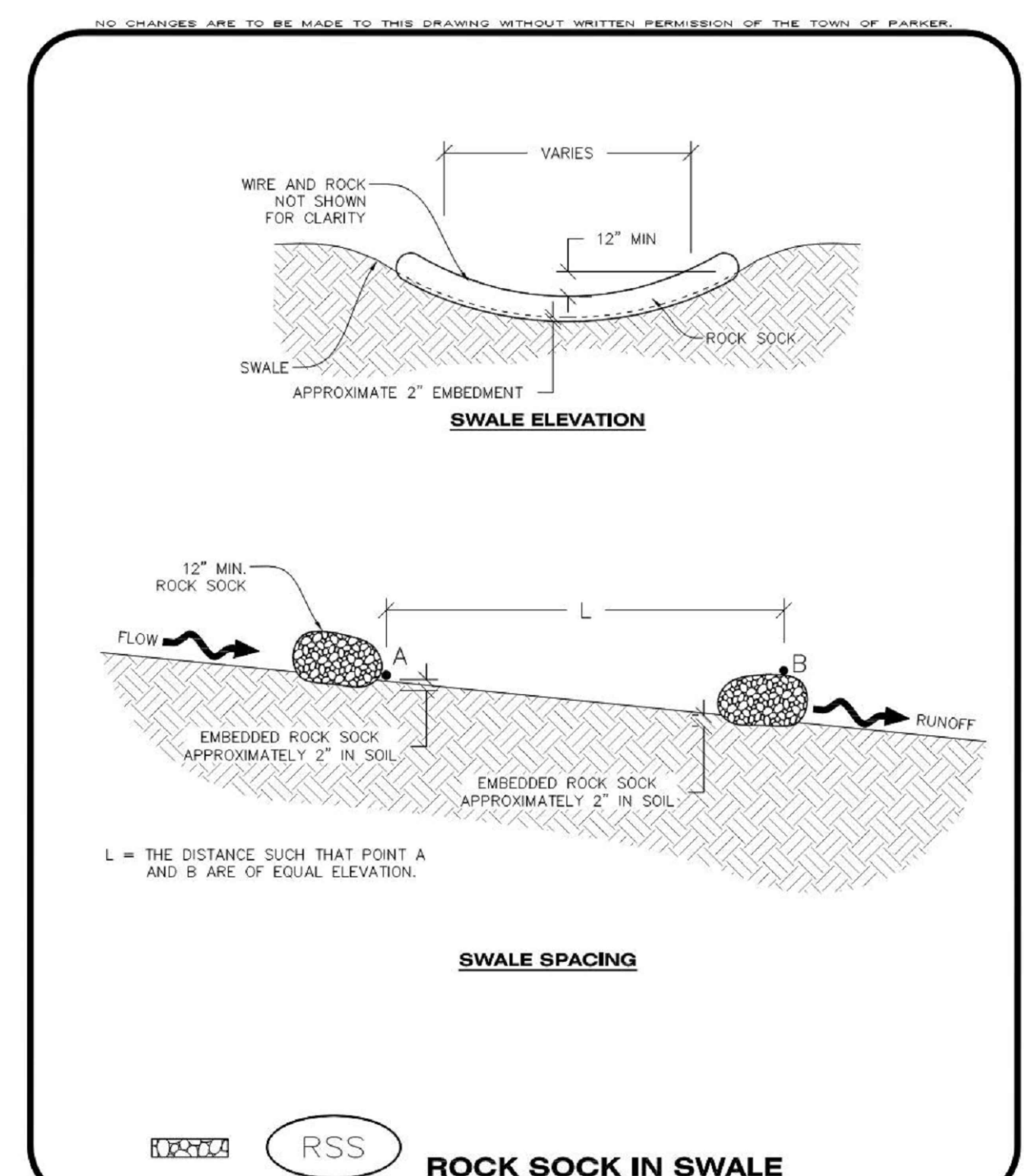
CULVERT PROTECTION (INLET) INSTALLATION NOTES

- SEE PLAN VIEW FOR LOCATION(S) OF CULVERT PROTECTION (INLET).
- ROCK SOCK SHALL BE CONSTRUCTED ACCORDING TO THE DETAIL (SEE DETAIL RS).
- ROCK SOCK SHALL BE APPROXIMATELY 12" IN DIAMETER.
- ROCK SOCK SHALL EXTEND ABOVE THE FLOW LINE ELEVATION ON BOTH SIDES OF THE CULVERT END SECTION.

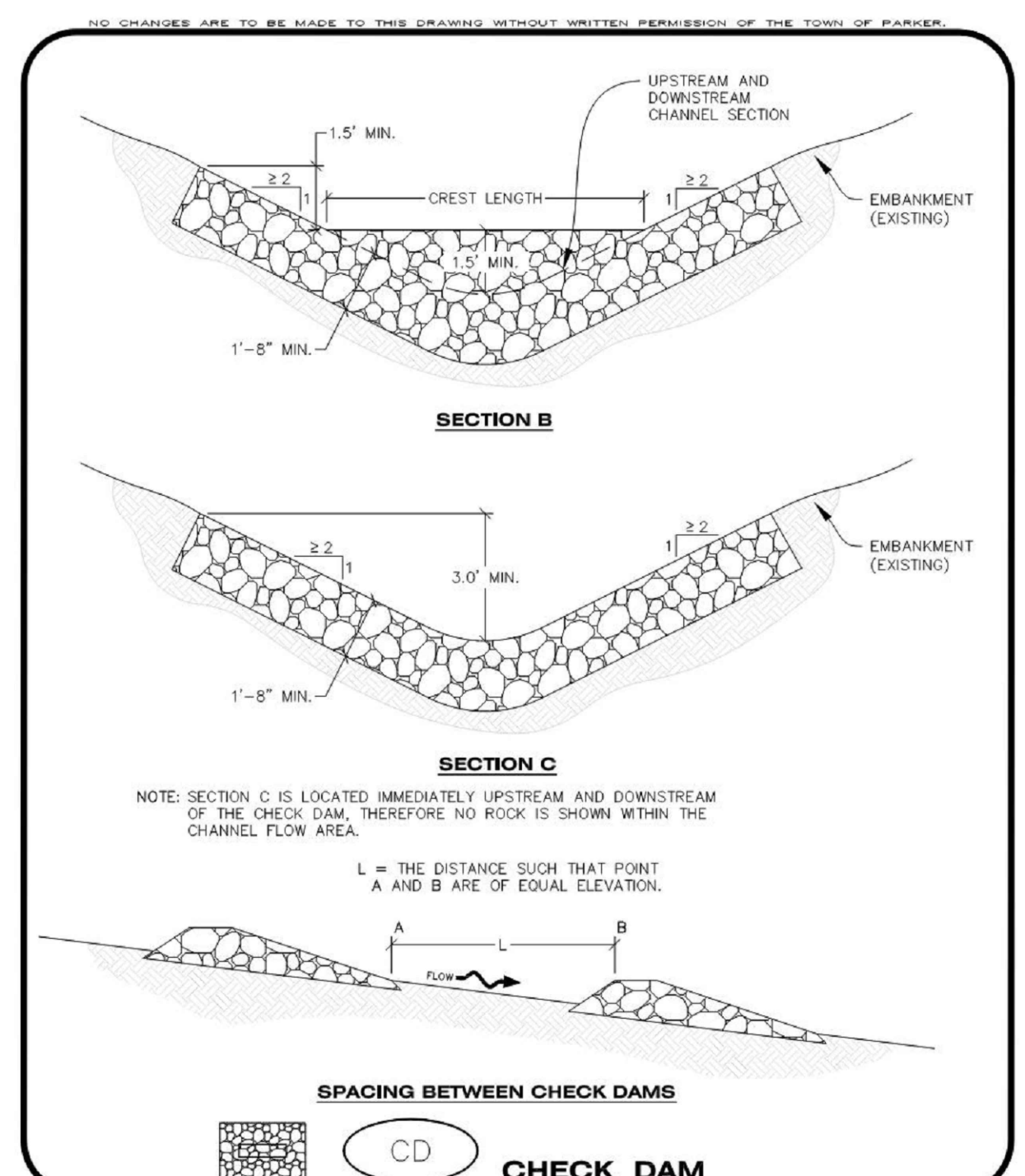
CULVERT PROTECTION (INLET) INSPECTION AND MAINTENANCE NOTES

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE CULVERT PROTECTION (INLET).
- AT A MINIMUM, ACCUMULATED SEDIMENT SHALL BE REMOVED ONCE SEDIMENT HAS REACHED A DEPTH EQUAL TO 1/2 THE HEIGHT OF THE ROCK SOCK.
- CULVERT PROTECTION (INLET) IS TO REMAIN IN PLACE AND PROPERLY MAINTAINED UNTIL VEGETATIVE COVER HAS REACHED A CONSISTENT DENSITY OF AT LEAST 70% OF FULL VEGETATIVE COVER AND EROSION AND SEDIMENTATION IS NO LONGER A POSSIBILITY AS DETERMINED BY THE TOWN'S INSPECTOR OR AS OTHERWISE DIRECTED BY THE TOWN'S INSPECTOR.
- WHEN THE CULVERT INLET PROTECTION IS REMOVED, THE TOWN'S INSPECTOR MAY REQUIRE ANY DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE CULVERT INLET PROTECTION TO BE ROUGHENED, SEEDED, MULCHED, AND CRIMPED PER THE TOWN'S SPECIFICATIONS (SEE DETAIL SMC).

Parker COLORADO | **CBMP** | **CP**
CONSTRUCTION BEST MANAGEMENT PRACTICES | 2 OF 2
Oct. 2013



Parker COLORADO | **CBMP** | **RSS**
CONSTRUCTION BEST MANAGEMENT PRACTICES | 1 OF 1
Oct. 2013



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CONSTRUCTION BEST MANAGEMENT PRACTICES | 2 OF 3
Oct. 2013

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DATE	DESCRIPTION
06/03/2024	1ST TOWN SUBMITTAL
08/16/2024	2ND TOWN SUBMITTAL
10/10/2024	3RD TOWN SUBMITTAL

PROJECT: **ADVENTHEALTH PARKER EXPANSION**
PARKER, CO 80138

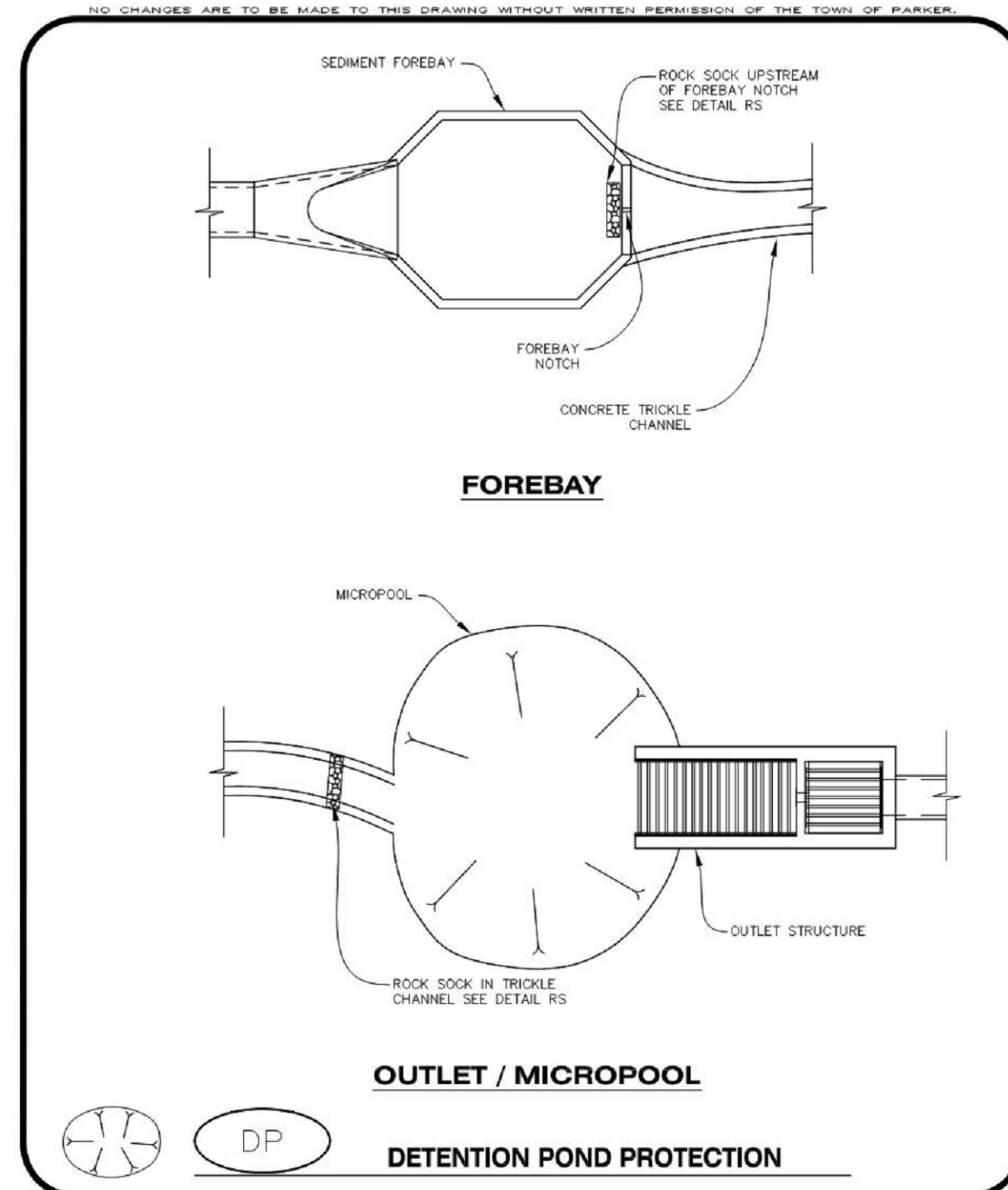
DRAWING TITLE: **EROSION CONTROL DETAILS**

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DESIGNED BY: RJH
DRAWN BY: EDS
CHECKED BY: MHV
MIRO JOB NO. 23079

DRAWING NUMBER:
A-C252



DP
DETENTION POND PROTECTION

CBMP
CONSTRUCTION BEST MANAGEMENT PRACTICES

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DETENTION POND PROTECTION INSTALLATION NOTES

- DETENTION POND PROTECTION SHALL BE INSTALLED IMMEDIATELY FOLLOWING THE CONSTRUCTION OF THE TRICKLE CHANNEL AND FOREBAY.
- CRUSHED ROCK SHALL BE 2.0"-3.0" IN SIZE WITH A FRACTURED FACE (ALL SIDES).
- ROCK SOCK FOR OUTLET STRUCTURE AND FOREBAY PROTECTION SHALL BE ONE CONTINUOUS PIECE (SEE DETAIL RS).

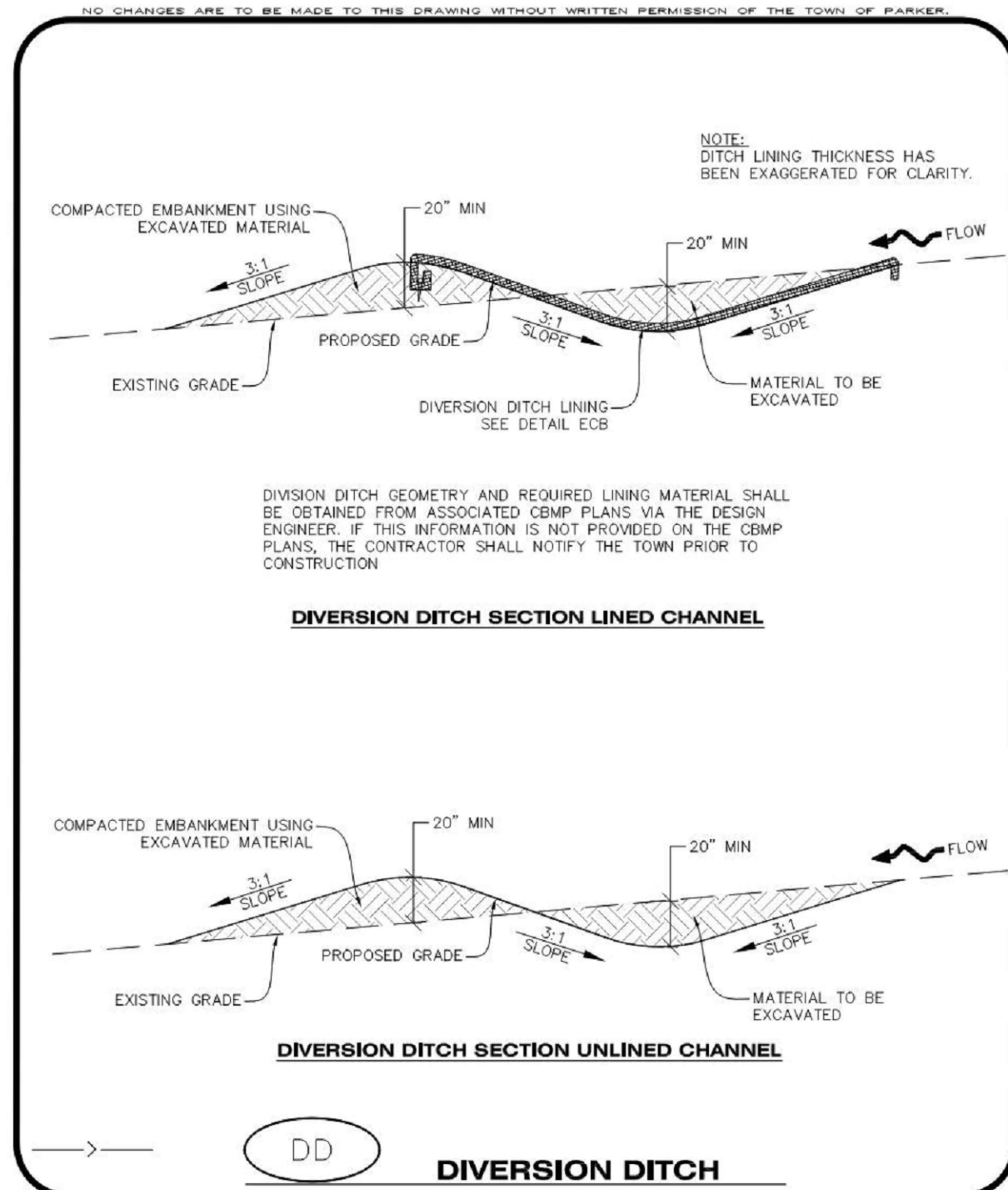
DETENTION POND PROTECTION INSPECTION AND MAINTENANCE NOTES

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE OUTLET STRUCTURE PROTECTION.
- ACCUMULATED SEDIMENT SHALL BE REMOVED IMMEDIATELY.
- OUTLET STRUCTURE PROTECTION SHALL REMAIN IN PLACE AND PROPERLY MAINTAINED UNTIL VEGETATIVE COVER HAS REACHED A CONSISTENT DENSITY OF AT LEAST 70% OF FULL VEGETATIVE COVER AND EROSION AND SEDIMENTATION IS NO LONGER A POSSIBILITY AS DETERMINED BY THE TOWN'S INSPECTOR OR AS OTHERWISE DIRECTED BY THE TOWN'S INSPECTOR.

DP
DETENTION POND PROTECTION

CBMP
CONSTRUCTION BEST MANAGEMENT PRACTICES

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DD
DIVERSION DITCH

CBMP
CONSTRUCTION BEST MANAGEMENT PRACTICES

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DIVERSION DITCH INSTALLATION NOTES

- SEE THE PLAN VIEW FOR THE LOCATION(S) OF THE DIVERSION DITCHES.
- A PLASTIC LINER, RIPRAP, OR EROSION CONTROL BLANKET MAY BE NECESSARY TO PROTECT THE DIVERSION DITCH. THE REQUIRED LINING MATERIAL SHALL BE OBTAINED FROM THE CBMP PLANS VIA THE DESIGN ENGINEER.
- ALL MATERIAL EXCAVATED FROM THE DITCH MAY BE USED TO CONSTRUCT THE BERM ON THE DOWNHILL SIDE OF THE DITCH.
- THE DIVERSION DITCH SHALL BE A MINIMUM OF 20" DEEP WITH APPROX. 3:1 SIDE SLOPES. THE ADJACENT BERM SHALL BE A MINIMUM OF 20" IN HEIGHT WITH APPROX. 3:1 SIDE SLOPES. ALL EMBANKMENTS SHALL BE FIRMLY COMPACTED.
- THE DISCHARGE FROM THE DIVERSION DITCH SHALL BE DIRECTED TOWARDS AN APPROPRIATELY SIZED TEMPORARY SEDIMENT BASIN OR OTHER APPROVED AREA.

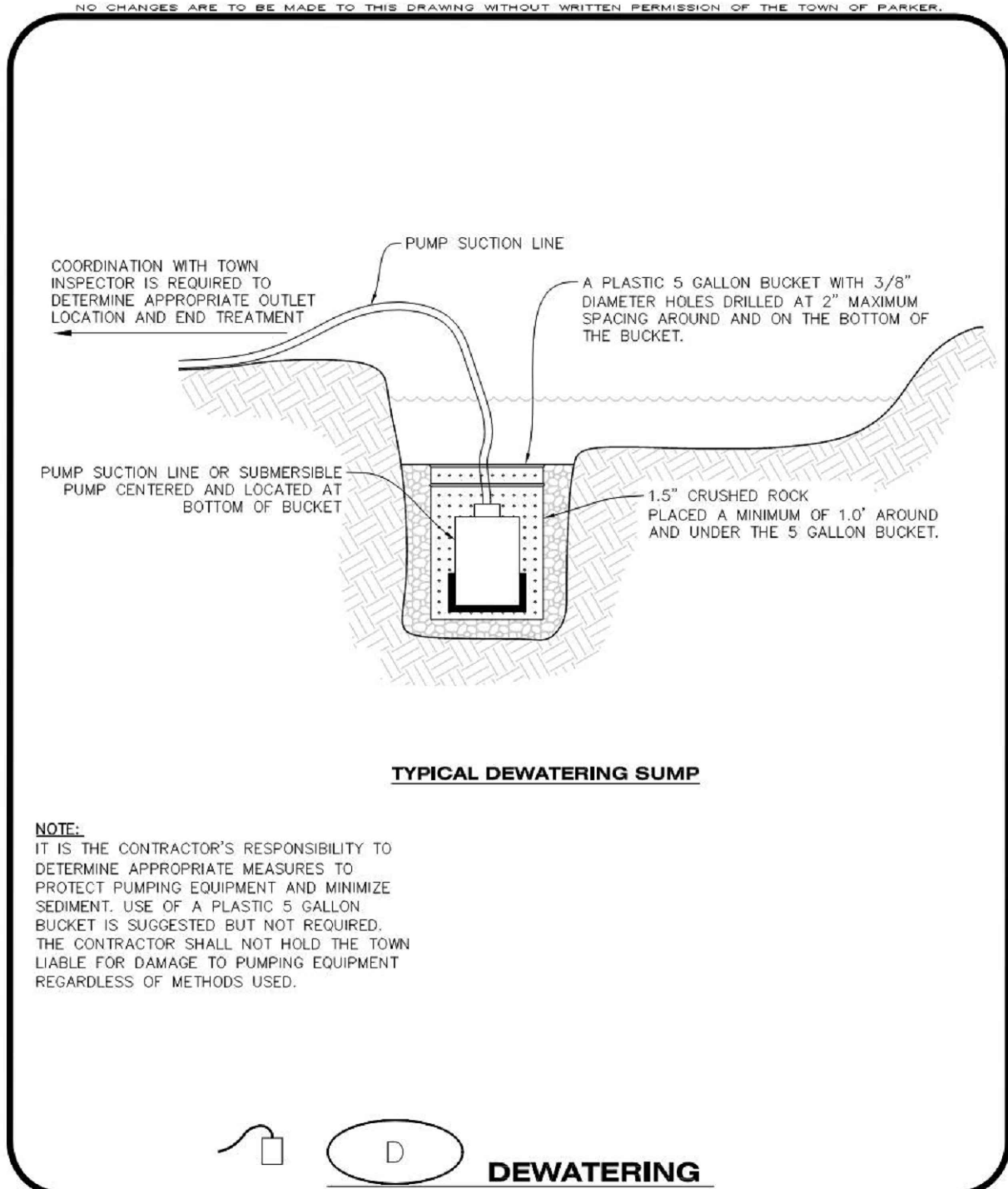
DIVERSION DITCH INSPECTION AND MAINTENANCE NOTES

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE DIVERSION DITCH.
- ACCUMULATED SEDIMENT SHALL BE REMOVED ONCE THE SEDIMENT HAS REACHED A DEPTH EQUAL TO 1/2 (10") THE CREST HEIGHT.
- DIVERSION DITCHES SHALL BE RE-GRADED FOLLOWING THE SIGNS OF MODERATE OR MORE SOIL EROSION OR ANY DAMAGE.
- DIVERSION DITCHES ARE TO REMAIN IN PLACE AND PROPERLY MAINTAINED UNTIL VEGETATIVE COVER HAS REACHED A CONSISTENT DENSITY OF AT LEAST 70% OF FULL VEGETATIVE COVER AND EROSION AND SEDIMENTATION IS NO LONGER A POSSIBILITY AS DETERMINED BY THE TOWN'S INSPECTOR OR AS OTHERWISE DIRECTED BY THE TOWN'S INSPECTOR. ALTERNATIVELY, THE DIVERSION DITCHES MAY BE REMOVED WHEN THE SITE'S TOPOGRAPHY CHANGES SUCH THAT SIGNIFICANT RUNOFF IS NO LONGER POSSIBLE. IN SOME INSTANCES, THE DIVERSION DITCHES MAY REMAIN IN PLACE PERMANENTLY.

DD
DIVERSION DITCH

CBMP
CONSTRUCTION BEST MANAGEMENT PRACTICES

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Oct. 2013



D
DEWATERING

CBMP
CONSTRUCTION BEST MANAGEMENT PRACTICES

1 OF 2
Oct. 2013

DEWATERING INSTALLATION NOTES

- IT IS THE EROSION CONTROL SUPERVISOR'S RESPONSIBILITY TO ENSURE THAT ALL DEWATERING IS PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT (CDPHE).

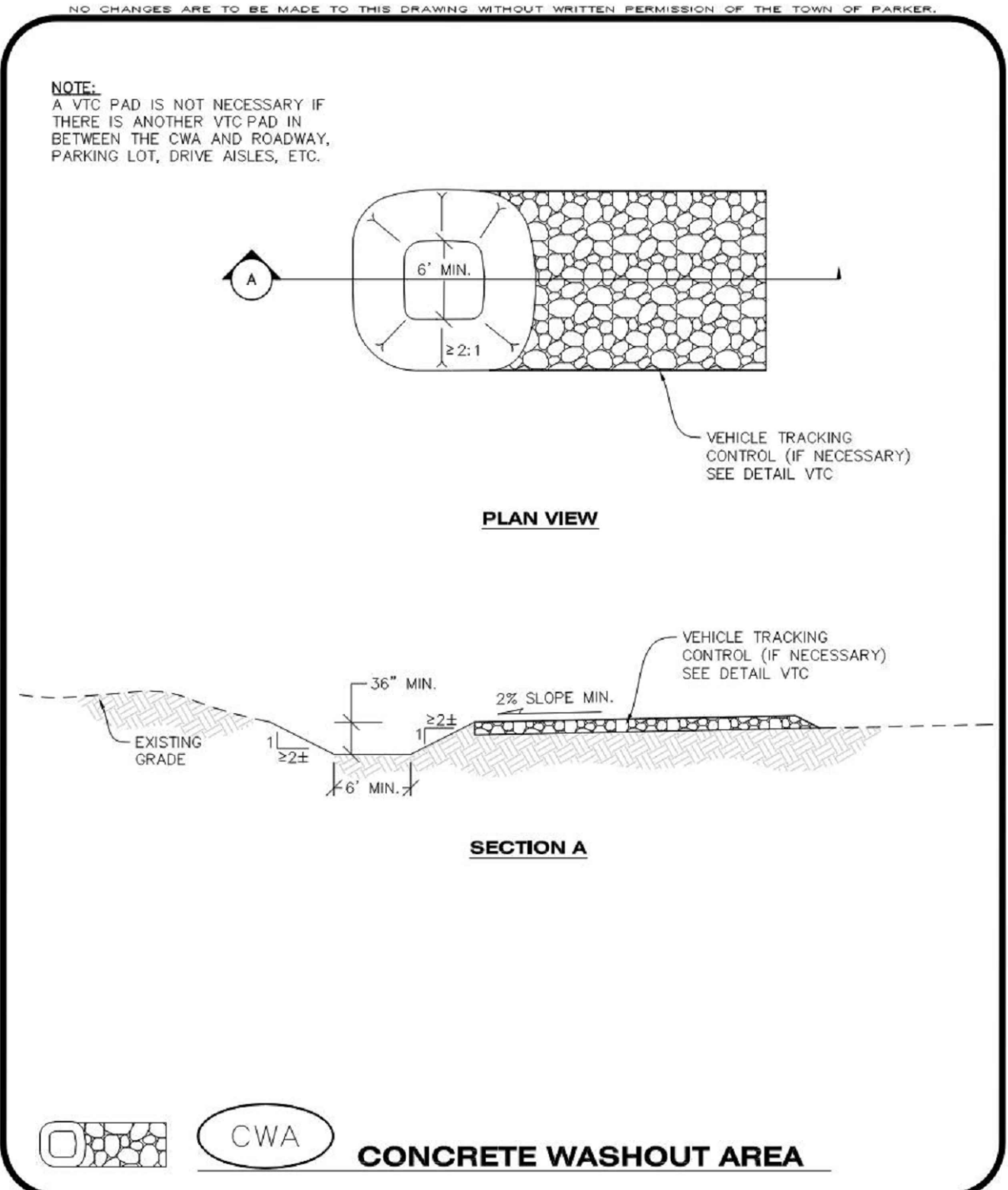
DEWATERING MAINTENANCE NOTES

- THE EROSION CONTROL SUPERVISOR SHALL INSPECT THE DEWATERING OPERATION TO ENSURE THAT THE DISCHARGE WATER IS DRAINING TO THE PROPER LOCATION(S) AND PERFORM ANY NECESSARY REPAIRS OR MAINTENANCE ON A FREQUENT BASIS.

D
DEWATERING

CBMP
CONSTRUCTION BEST MANAGEMENT PRACTICES

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CWA
CONCRETE WASHOUT AREA

CBMP
CONSTRUCTION BEST MANAGEMENT PRACTICES

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Oct. 2013

CONCRETE WASHOUT AREA INSTALLATION NOTES

- CONCRETE WASHOUT AREAS SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE.
- A VEHICLE TRACKING CONTROL PAD IS REQUIRED AT THE ACCESS POINT TO ALL CONCRETE WASHOUT AREAS WHEN NO OTHER VTC PAD EXISTS IN BETWEEN THE CWA AND THE ROADWAY.
- IF GROUNDWATER IS ENCOUNTERED WHEN DIGGING THE PIT, A NEW LOCATION SHOULD BE SELECTED. IF NO OTHER LOCATION CAN BE FOUND, A ONE-PIECE IMPERVIOUS LINER SHALL BE REQUIRED ALONG THE BOTTOM AND SIDES OF THE SUBSURFACE PIT.

CONCRETE WASHOUT AREA INSPECTION AND MAINTENANCE NOTES

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE CONCRETE WASHOUT AREA.
- CONCRETE WASHOUT MATERIALS SHALL BE REMOVED BEFORE ITS CAPACITY HAS BEEN REACHED.
- CONCRETE WASHOUT AREAS SHALL BE ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR WASTED CONCRETE AND ASSOCIATED WASH WATER.
- CONCRETE WASHOUT WATER, WASTED PIECES OF CONCRETE AND ALL OTHER DEBRIS IN THE SUBSURFACE PIT SHALL BE TRANSPORTED FROM THE JOB SITE AS NECESSARY TO ENSURE ADEQUATE CAPACITY.
- CONCRETE WASHOUT AREAS SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
- WHEN CONCRETE WASHOUT AREAS ARE REMOVED, THE TOWN'S INSPECTOR MAY REQUIRE EXCAVATIONS TO BE FILLED WITH SUITABLE COMPACTED BACKFILL AND TOPSOIL. ANY DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE CONCRETE WASHOUT AREAS SHALL BE ROUGHENED, SEEDED, MULCHED, AND CRIMPED PER THE TOWN'S SPECIFICATIONS (SEE DETAIL SMC).

CWA
CONCRETE WASHOUT AREA

CBMP
CONSTRUCTION BEST MANAGEMENT PRACTICES

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Oct. 2013

DATE	DESCRIPTION
06/03/2024	1ST TOWN SUBMITTAL
08/16/2024	2ND TOWN SUBMITTAL
10/10/2024	3RD TOWN SUBMITTAL

PROJECT: **ADVENTHEALTH PARKER EXPANSION
PARKER, CO 80138**

DRAWING TITLE: **EROSION CONTROL DETAILS**

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DESIGNED BY: RJH
DRAWN BY: EDS
CHECKED BY: MHV
MIRO JOB NO. 23079

DRAWING NUMBER:
A-C253

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

AREA INLET PROTECTION INSTALLATION NOTES

- SEE PLAN VIEW FOR LOCATION(S) OF AREA INLET PROTECTION.
- THE AREA INLET PROTECTION SHOWN ON CBMP PLANS SHALL BE INSTALLED ON EXISTING INLETS PRIOR TO ANY LAND DISTURBING ACTIVITIES OR IMMEDIATELY AFTER THE INSTALLATION OF NEW INLETS. AN INTERIM STYLE OF INLET PROTECTION MAY BE ALLOWED UNTIL THE INSTALLATION OF THE GUTTER AND/OR PAVEMENT.

AREA INLET PROTECTION INSPECTION AND MAINTENANCE NOTES

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE AREA INLET PROTECTION.
- AREA INLET PROTECTION SHALL REMAIN IN PLACE AND PROPERLY MAINTAINED UNTIL VEGETATIVE COVER HAS REACHED A CONSISTENT DENSITY OF AT LEAST 70% OF FULL VEGETATIVE COVER AND EROSION AND SEDIMENTATION IS NO LONGER A POSSIBILITY AS DETERMINED BY THE TOWN'S INSPECTOR OR AS OTHERWISE DIRECTED BY THE TOWN'S INSPECTOR.
- WHEN THE AREA INLET PROTECTION IS REMOVED, ANY DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE AREA INLET PROTECTION MAY NEED TO BE ROUGHENED, SEEDED, MULCHED, AND CRIMPED PER THE TOWN'S SPECIFICATIONS (SEE DETAIL SMC).
- ACCUMULATED SEDIMENT SHALL BE REMOVED AS SOON AS POSSIBLE, IMMEDIATELY IN MOST CASES.

Parker COLORADO | **CBMP** | **IPA**
CONSTRUCTION BEST MANAGEMENT PRACTICES | 1 OF 1
Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

EROSION CONTROL BLANKET INSTALLATION NOTES

- SEE THE PLAN VIEW FOR THE LOCATION(S) OF THE EROSION CONTROL BLANKETS.
- EROSION CONTROL BLANKETS USED FOR CHANNEL PROTECTION SHALL BE PROPERLY SELECTED BY THE DESIGN ENGINEER BASED ON CURRENT AND FUTURE FLOW RATES WITHIN THE CHANNEL. BASED ON THESE CALCULATIONS, TURF REINFORCEMENT MATTING OR RIPRAP MAY BE NECESSARY IN LIEU OF EROSION CONTROL BLANKETS.
- IMMEDIATELY PRIOR TO BLANKET INSTALLATION, SOIL SURFACE SHALL BE SMOOTH, AND FREE OF ANY GAPS, VOIDS, WEEDS, ROCKS, STICKS, OR OTHER MISCELLANEOUS DEBRIS.
- EROSION CONTROL BLANKET SHALL THEN BE INSTALLED ACCORDING TO THE DETAILED DRAWINGS.
- ANY DAMAGED OR REMAINING STAPLES OR STAKES SHALL BE REMOVED FROM THE SITE.
- ALL EROSION CONTROL BLANKETS FOR SLOPE PROTECTION INSTALLED IN THE TOWN SHALL BE DOUBLE NET, STRAW OR EXCELISOR.

MANUFACTURER	PRODUCT NAME
NORTH AMERICAN GREEN	IS150
APPROVED EQUAL	APPROVED EQUAL

- IN MOST CASES, EROSION CONTROL BLANKETS FOR SLOPE PROTECTION ARE TO REMAIN IN PLACE PERMANENTLY.

EROSION CONTROL BLANKET MAINTENANCE NOTES

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE EROSION CONTROL BLANKETS AND MAKE ANY NECESSARY REPAIRS.

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CONSTRUCTION BEST MANAGEMENT PRACTICES | 3 OF 3
Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

START EROSION BLANKET AT THE TOP OF SLOPE AND EXTEND PAST THE TOE OF SLOPE. BLANKET SHALL BE PLACED PERPENDICULAR TO THE TOP AND BOTTOM OF THE SLOPE. COMPLETE SUBSEQUENT ROWS IN THE SAME MANNER, OVERLAPPING THE BLANKETS A MINIMUM OF 1'0".

STAPLE PATTERN
NOTE: STAPLES SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATION. IF MANUFACTURER'S INFO IS NOT AVAILABLE, THEN ABOVE STAPLE PATTERN SHALL BE USED. WOODEN STAKES SHALL NOT BE USED FOR EROSION CONTROL BLANKET ON SLOPES.

NOTE: WHEN NECESSARY, ALL SEEDING SHALL BE COMPLETED PRIOR TO THE PLACEMENT OF EROSION CONTROL BLANKETS. PLEASE SEE DETAIL SMC FOR SEEDING, MULCHING, AND CRIMPING REQUIREMENTS.

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CONSTRUCTION BEST MANAGEMENT PRACTICES | 1 OF 3
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THOROUGHLY REMOVE ALL DIRT & DEBRIS FROM CURB & GUTTER, STREET(S), AND SIDEWALK(S), ETC. ALSO REMOVE ALL LOOSE TRASH AND LITTER FROM THE CONSTRUCTION SITE, AS DESCRIBED BELOW.

NOTE:

- THE EROSION CONTROL SUPERVISOR IS RESPONSIBLE FOR ENSURING THAT ALL STREETS, CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS, PARKING LOTS, ALLEYS, TRICKLE CHANNELS, AND/OR OTHER IMPERVIOUS SURFACES IMPACTED BY CONSTRUCTION ACTIVITIES ARE THOROUGHLY CLEANED THROUGHOUT THE DAY IF THEY BECOME SOILED. THESE AREAS MUST ALSO BE THOROUGHLY CLEAN BEFORE THE END OF THE WORK DAY. FURTHERMORE, ALL LOOSE TRASH AND LITTER ASSOCIATED WITH THE PROJECT MUST BE REMOVED AND PROPERLY DISCARDED ON A DAILY BASIS.

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CONSTRUCTION BEST MANAGEMENT PRACTICES | 1 OF 2
Oct. 2013

NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

AREA INLET WITH CONCRETE APRON

AREA INLET WITH CONCRETE APRON PLAN VIEW

SECTION A

SECTION B

ISOMETRIC

INLET PROTECTION FOR AREA INLETS IN PAVEMENT

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CONSTRUCTION BEST MANAGEMENT PRACTICES | 1 OF 1
Oct. 2013

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THIS METHOD OF INLET PROTECTION SHALL NOT BE USED ON INLETS RECEIVING SIGNIFICANT FLOWS, SUCH AS IN CERTAIN SWALES/CHANNELS OR HIGHWAY MEDIANS. INLET PROTECTION FOR AREA INLETS IN PAVEMENT (SEE DETAIL IPAP) SHALL BE USED IN THESE CONDITIONS.

AREA INLET WITH CONCRETE APRON

AREA INLET WITH CONCRETE APRON PLAN VIEW

SECTION A

SECTION B

ISOMETRIC

INLET PROTECTION FOR AREA INLETS NOT IN PAVEMENT

Parker COLORADO | **CBMP** | **IPAN**
CONSTRUCTION BEST MANAGEMENT PRACTICES | 1 OF 1
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NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

WOOD STAKE DETAIL
ALTERNATIVE WOOD STAKE PRODUCTS MAY BE USED WITH APPROVAL FROM THE TOWN.

STAKING PATTERN
NOTE: STAKES SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATION. IF MANUFACTURER'S INFO IS NOT AVAILABLE, THEN ABOVE STAKING PATTERN SHALL BE USED. STAPLES SHALL NOT BE USED FOR EROSION CONTROL BLANKET IN CHANNELS.

NOTE: 1. WOOD STAKES SHALL BE INSTALLED SUCH THAT ONLY 1" IS EXPOSED ABOVE THE GROUND.
2. WHEN NECESSARY, ALL SEEDING SHALL BE COMPLETED PRIOR TO THE PLACEMENT OF EROSION CONTROL BLANKETS. PLEASE SEE DETAIL SMC FOR SEEDING, MULCHING, AND CRIMPING REQUIREMENTS.

Parker COLORADO | **CBMP** | **ECB**
CONSTRUCTION BEST MANAGEMENT PRACTICES | 2 OF 3
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NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

DEBRIS CONTROL NOTES:

- A COMBINATION OF SURFACE SCRAPING AND SWEEPING MAY BE NECESSARY TO PROPERLY CLEAN THESE AREAS.
- ALL CHEMICAL SPILLS AND/OR STAINS ON THE SITE SHALL BE CLEANED TO THE MAXIMUM EXTENT PRACTICABLE. IN SOME CASES IT MAY BE NECESSARY TO USE PRESSURIZED WATER AND A VAC-TRUCK.
- ON-SITE PERSONNEL, DELIVERY DRIVERS, ETC., SHOULD BE EDUCATED ON THE NEED FOR CONTINUAL DEBRIS AND TRASH CONTROL.

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CONSTRUCTION BEST MANAGEMENT PRACTICES | 2 OF 2
Oct. 2013

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08/16/2024	2ND TOWN SUBMITTAL
10/10/2024	3RD TOWN SUBMITTAL

PROJECT: **ADVENTHEALTH PARKER EXPANSION**
PARKER, CO 80138

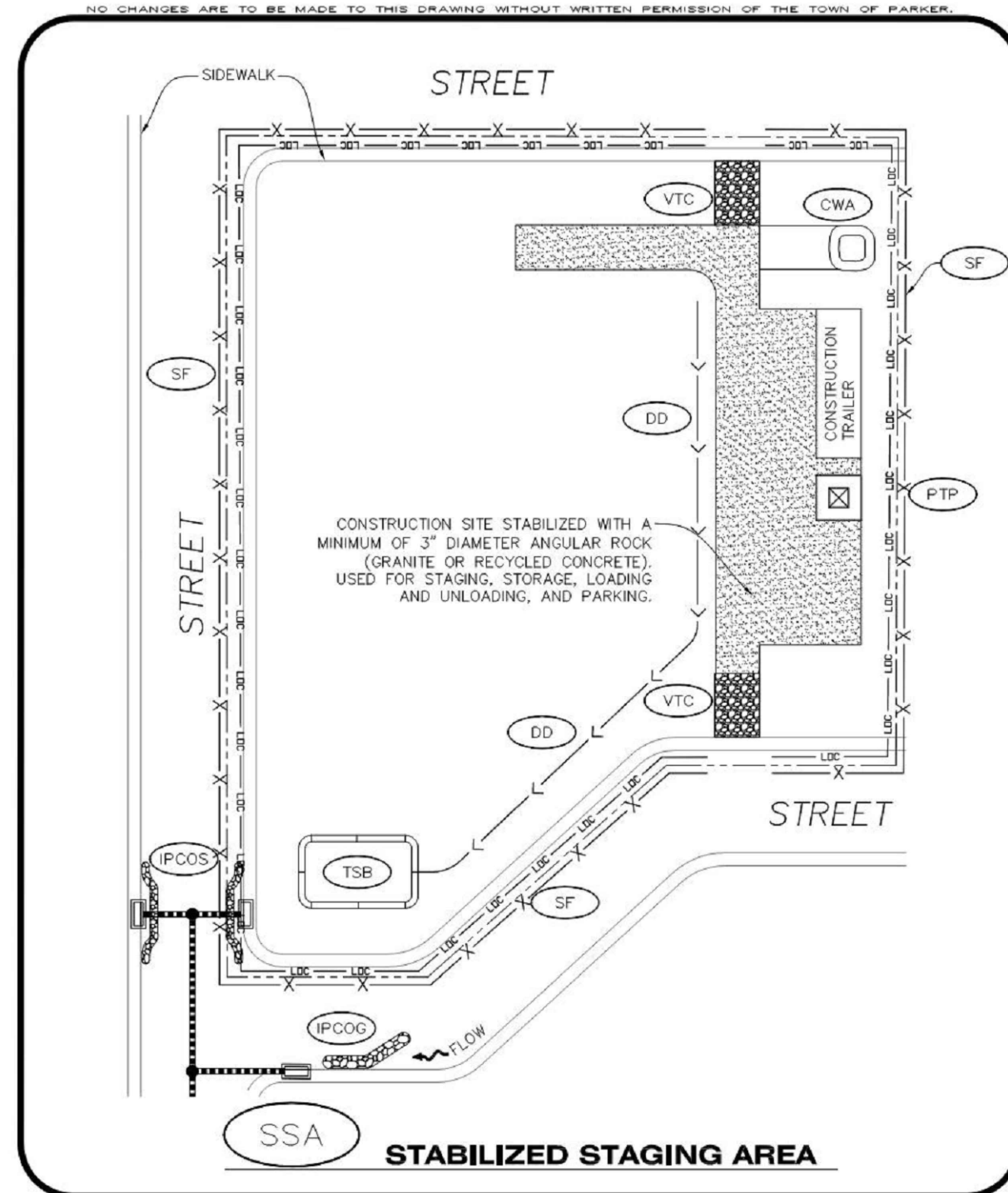
DRAWING TITLE: **EROSION CONTROL DETAILS**

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PROFESSIONAL ENGINEER
47666
10/09/24

DESIGNED BY:	RJH
DRAWN BY:	EDS
CHECKED BY:	MHV
MIRO JOB NO.	23079

DRAWING NUMBER:
A-C254



CBMP | **SSA**
 CONSTRUCTION BEST MANAGEMENT PRACTICES | 1 OF 2
Oct. 2013

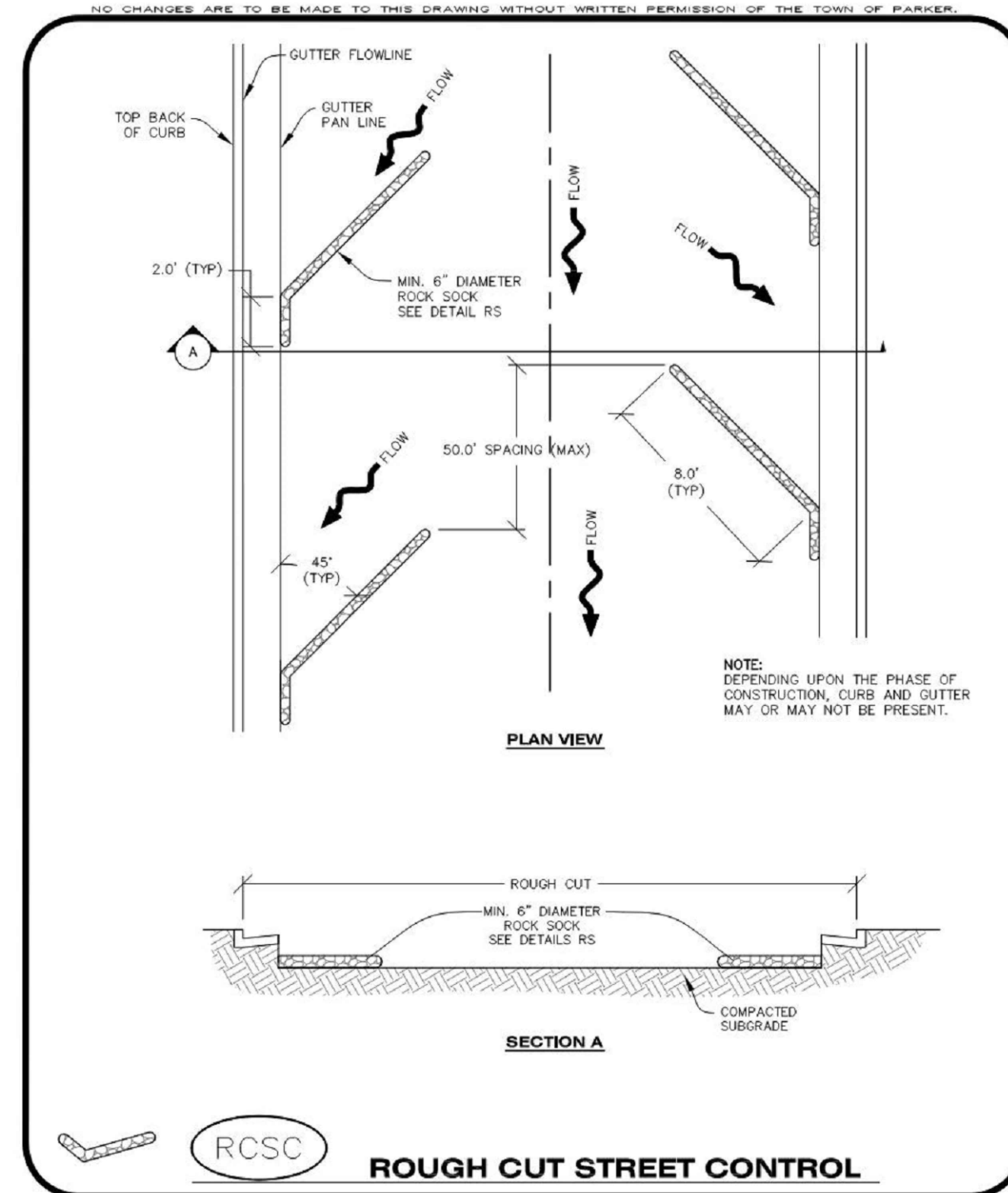
STABILIZED STAGING AREA INSTALLATION NOTES

- SEE CBMP PLAN FOR LOCATION OF STAGING AREA. CONTRACTOR MAY MODIFY LOCATION AND SIZE OF STABILIZED STAGING AREA WITH TOWN APPROVAL.
- STABILIZED STAGING AREA SHALL BE LARGE ENOUGH TO FULLY CONTAIN PARKING, STORAGE, AND LOADING OPERATIONS.
- THE STABILIZED STAGING AREA SHALL CONSIST OF A MINIMUM OF 3" DIAMETER OF ANGULAR ROCK (GRANITE OR RECYCLED CONCRETE).
- SSA FOR SMALLER SITES MAY NOT BE PRACTICAL. IN THESE AND SIMILAR SITUATIONS, VARIANCES MAY BE PERMITTED BY THE TOWN.

STABILIZED STAGING AREA INSPECTION AND MAINTENANCE NOTES

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE STAGING AREA.
- STABILIZED STAGING AREA SHALL BE ENLARGED AS NECESSARY TO CONTAIN PARKING, STORAGE, LOADING, AND UNLOADING.

CBMP | **SSA**
 CONSTRUCTION BEST MANAGEMENT PRACTICES | 2 OF 2
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CBMP | **RCSC**
 CONSTRUCTION BEST MANAGEMENT PRACTICES | 1 OF 2
Oct. 2013

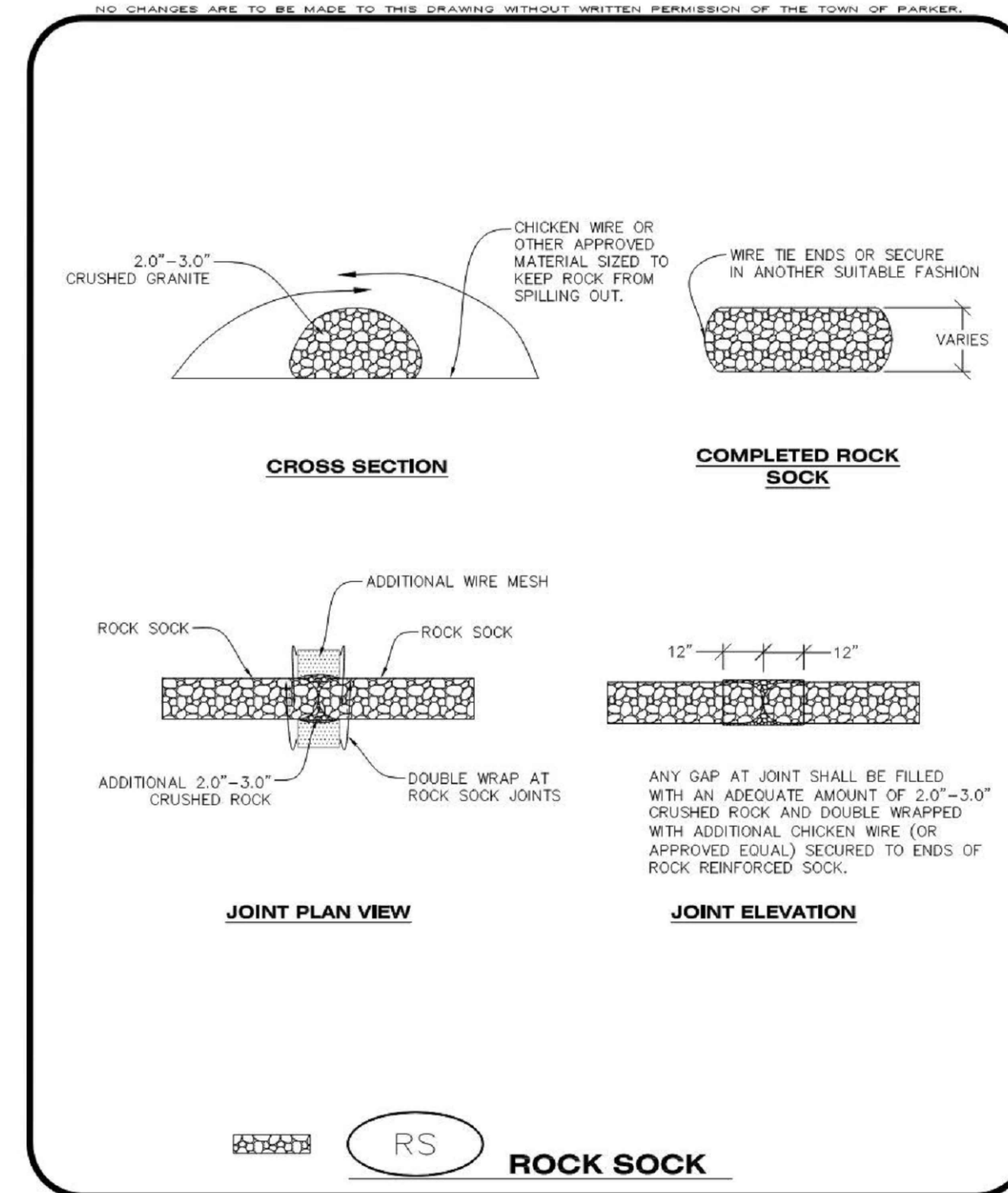
ROUGH CUT STREET CONTROL INSTALLATION NOTES

- SEE CBMP PLAN FOR LOCATION(S) OF ROUGH CUT STREET CONTROL.
- THE SPACING OF THE ROUGH CUT STREET CONTROL MAY BE DETERMINED BY THE DESIGN ENGINEER AND SHOWN ON THE CBMP PLAN.

ROUGH CUT STREET CONTROL INSPECTION AND MAINTENANCE NOTES

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE ROUGH CUT STREET CONTROL.
- ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT DEPTH IS 1/2 THE HEIGHT OF THE ROCK SOCK.
- ROUGH CUT STREET CONTROL SHALL BE REPAIRED IMMEDIATELY FOLLOWING ANY SIGN OF WEAR OR ALTERATION OF THE ORIGINAL SHAPE AND DIMENSIONS.
- ROUGH CUT STREET CONTROL SHALL BE KEPT IN PLACE AND MAINTAINED UNTIL SUB-GRADE PREPARATION BEGINS FOR PAVING. AT THAT POINT, THE RCSC SHOULD BE REMOVED IN INCREMENTS BASED ON SUBGRADE PREPARATION.

CBMP | **RCSC**
 CONSTRUCTION BEST MANAGEMENT PRACTICES | 2 OF 2
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CBMP | **RS**
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Oct. 2013

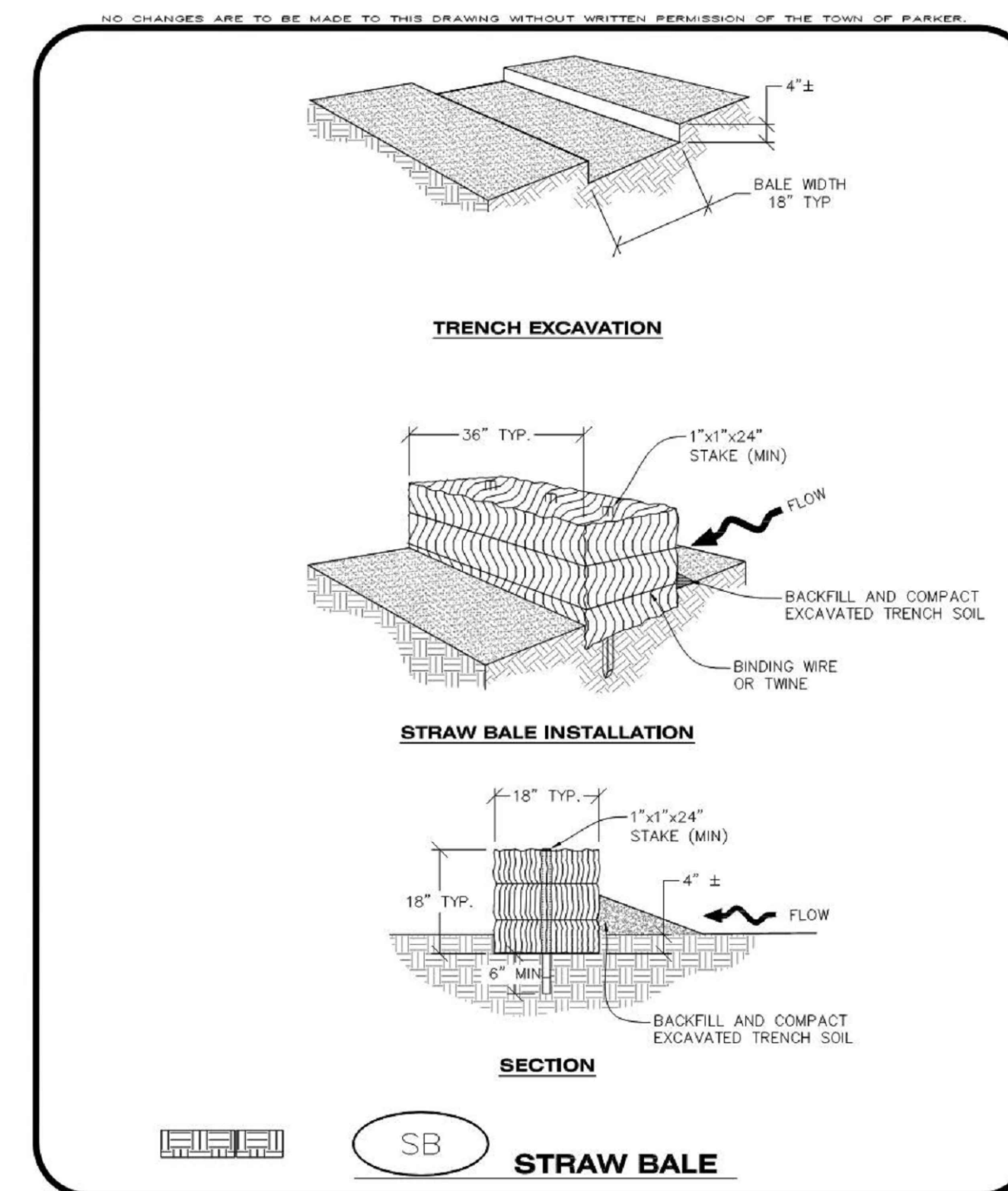
ROCK SOCK INSTALLATION NOTES

- SEE CBMP PLAN FOR LOCATION(S) OF ROCK SOCK.
- CRUSHED ROCK SHALL BE APPROXIMATELY 2.0"-3.0" GRANITE IN SIZE WITH A FRACTURED FACE (ALL SIDES).
- ROCK SOCK SHALL BE APPROXIMATELY ONE CONTINUOUS PIECE OR SHALL BE CONSTRUCTED USING WIRE WRAPPED JOINTS (SEE DETAIL RS).
- ROCK SOCK SHALL BE CONSTRUCTED USING CHICKEN WIRE OR OTHER APPROVED MATERIAL SIZED TO KEEP ROCK FROM SPILLING OUT.
- MINIMUM ROCK SOCK DIAMETER SHALL VARY BASED ON APPLICATION (7" MIN).
- TUBULAR MARKERS MAY NEED TO BE USED IN CONJUNCTION WITH ROCK SOCKS ANYTIME THE ROCK SOCK IS PLACED ON A ROADWAY, SIDEWALK, PARKING LOT OR OTHER LOCATION SUSCEPTIBLE TO VEHICLE OR PEDESTRIAN TRAFFIC. TUBULAR MARKERS SHALL CONFORM TO THE TUBULAR MARKER DETAIL.

ROCK SOCK INSPECTION AND MAINTENANCE NOTES

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE ROCK SOCKS.
- ROCK SOCKS SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED OR DAMAGED.
- ROCK SOCKS SHALL REMAIN IN PLACE AND PROPERLY MAINTAINED UNTIL VEGETATIVE COVER HAS REACHED A CONSISTENT DENSITY OF AT LEAST 70% OF FULL VEGETATIVE COVER AND EROSION AND SEDIMENTATION IS NO LONGER A POSSIBILITY AS DETERMINED BY THE TOWN'S INSPECTOR OR AS OTHERWISE DIRECTED BY THE TOWN'S INSPECTOR.

CBMP | **RS**
 CONSTRUCTION BEST MANAGEMENT PRACTICES | 2 OF 2
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CBMP | **SB**
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STRAW BALE INSTALLATION NOTES

- SEE CBMP PLAN FOR LOCATION(S) OF STRAW BALES.
- TYPICAL STRAW BALES SHALL BE APPROXIMATELY 36"x18"x18".
- TWO (2) WOODEN STAKES SHALL BE USED TO HOLD EACH BALE IN PLACE. WOODEN STAKES SHALL BE A MINIMUM OF 1"x1"x24".
- WOODEN STAKES SHALL BE PLACED APPROXIMATELY 6" INTO THE GROUND.
- STRAW BALES SHALL BE SPACED AND POSITIONED ACCORDING TO DETAILS.

STRAW BALE INSPECTION AND MAINTENANCE NOTES

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE STRAW BALES.
- ACCUMULATED SEDIMENT SHALL BE REMOVED ONCE THE SEDIMENT HAS REACHED A DEPTH EQUAL TO 1/2 THE HEIGHT OF THE STRAW BALE.
- STRAW BALES MAY NEED TO BE REPLACED IF THEY BECOME HEAVILY SOILED, ROTTEN, OR OTHERWISE DAMAGED.
- STRAW BALES SHALL REMAIN IN PLACE AND PROPERLY MAINTAINED UNTIL VEGETATIVE COVER HAS REACHED A CONSISTENT DENSITY OF AT LEAST 70% OF FULL VEGETATIVE COVER AND EROSION AND SEDIMENTATION IS NO LONGER A POSSIBILITY AS DETERMINED BY THE TOWN'S INSPECTOR OR AS OTHERWISE DIRECTED BY THE TOWN'S INSPECTOR.
- WHEN THE STRAW BALES ARE REMOVED, ANY DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE STRAW BALES MAY NEED TO BE ROUGHENED, SEEDED, MULCHED, AND CRIMPED PER THE TOWN'S SPECIFICATIONS (SEE DETAIL SMC).

CBMP | **SB**
 CONSTRUCTION BEST MANAGEMENT PRACTICES | 2 OF 2
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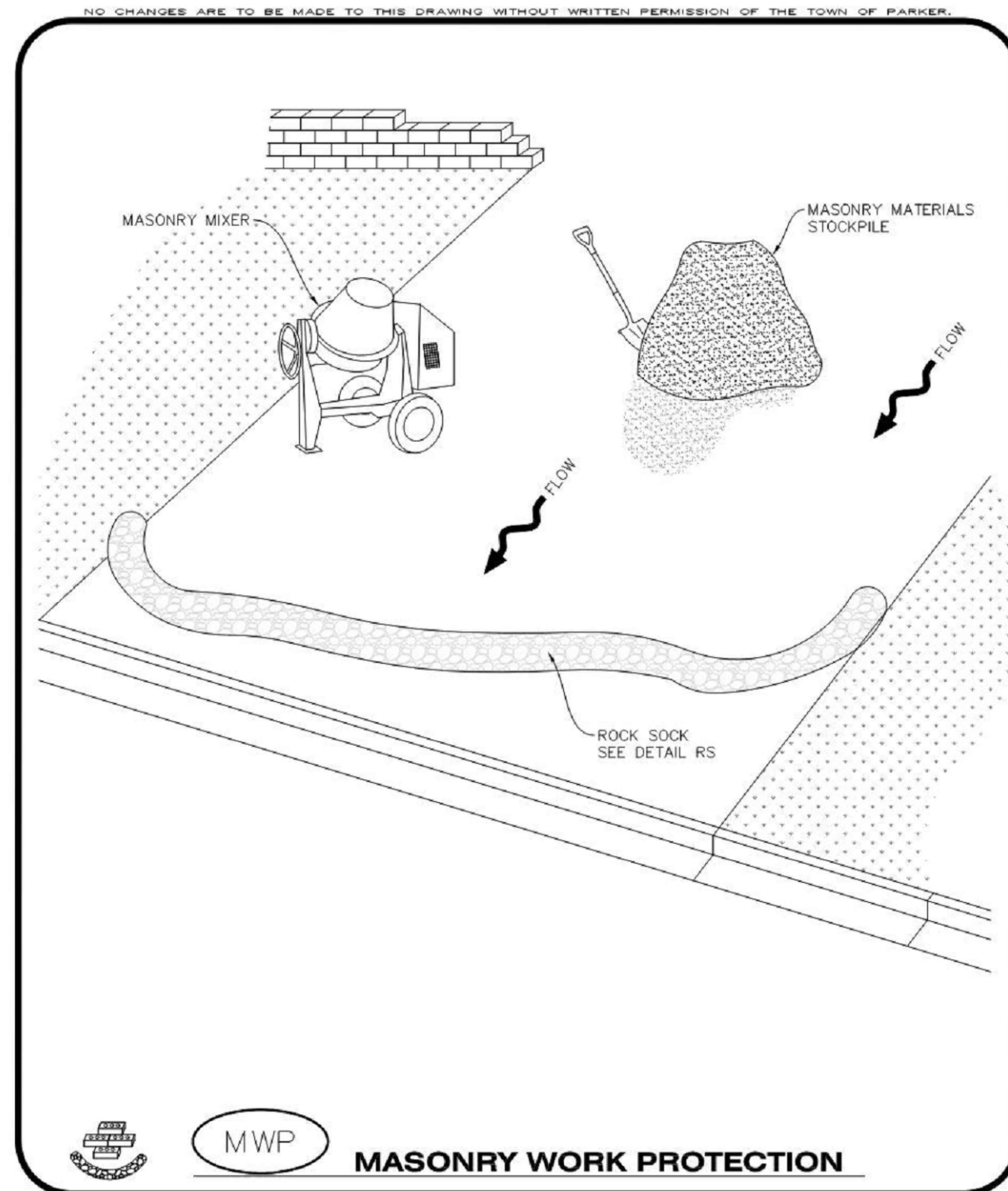
NO.	DESCRIPTION	DATE
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2	2ND TOWN SUBMITTAL	08/16/2024
3	3RD TOWN SUBMITTAL	10/10/2024

PROJECT: **ADVENTHEALTH PARKER EXPANSION
PARKER, CO 80138**
 DRAWING TITLE: **EROSION CONTROL DETAILS**
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DESIGNED BY: RJH
 DRAWN BY: EDS
 CHECKED BY: MHV
 MIRO JOB NO. 23079
 DRAWING NUMBER:

A-C255



MWP
MASONRY WORK PROTECTION

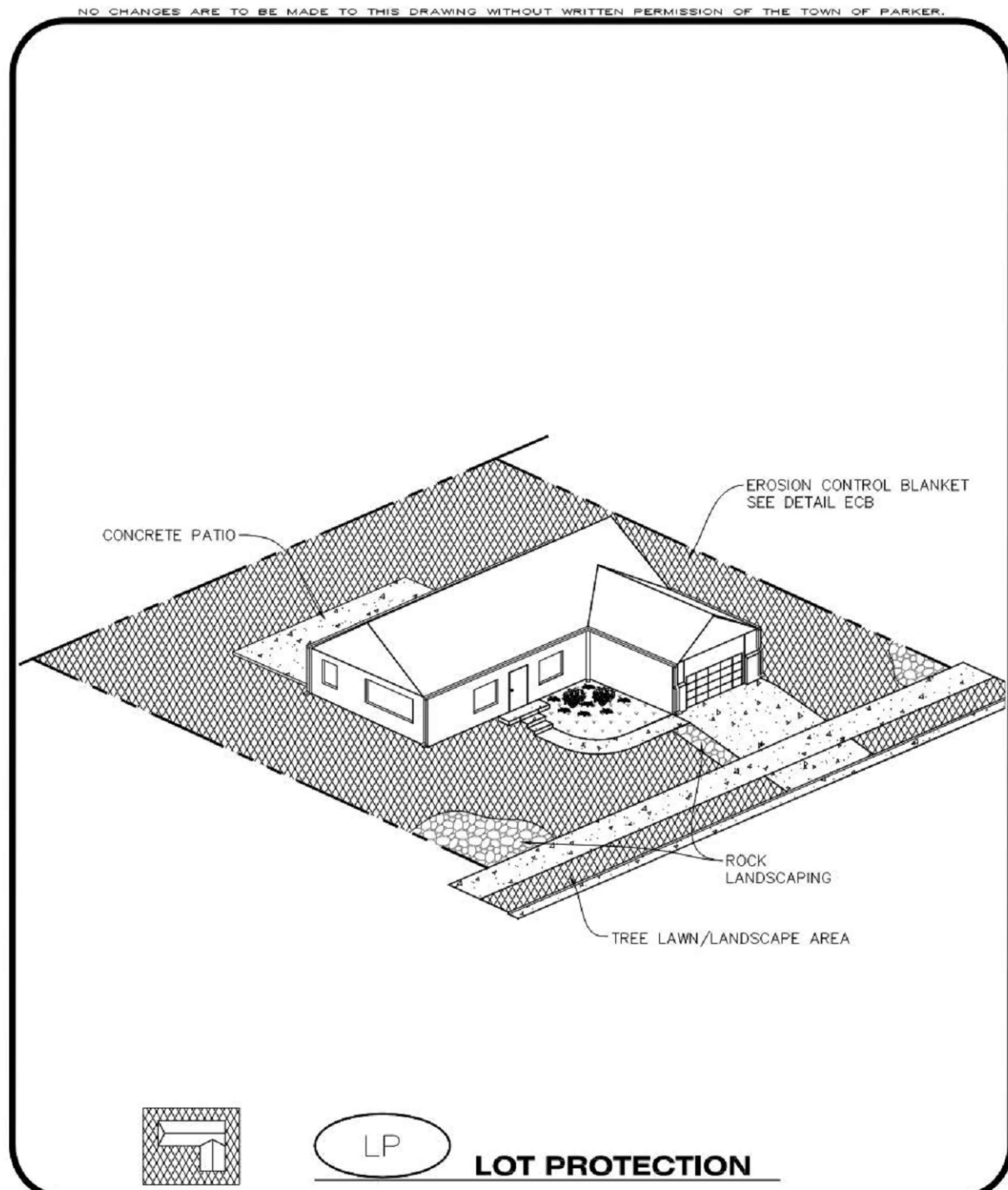
MASONRY WORK PROTECTION INSTALLATION NOTES

- MASONRY WORK PROTECTION MAY NEED TO BE INSTALLED WHEN MASONRY WORK AND MIXING IS OCCURRING.
- A ROCK SOCK SHALL BE INSTALLED IN A CRESCENT SHAPE ON THE DOWNHILL SIDE OF THE MASONRY WORK AND MIXER.
- CRUSHED ROCK SHALL BE 2.0"-3.0" IN SIZE WITH A FRACTURED FACE (ALL SIDES).
- ROCK SOCK SHALL BE ONE CONTINUOUS PIECE OR SHALL BE CONSTRUCTED USING WIRE WRAPPED JOINTS (SEE DETAIL RS).
- ROCK SOCK SHALL BE CONSTRUCTED USING CHICKEN WIRE OR OTHER APPROVED MATERIAL, SIZED TO KEEP ROCK FROM SPILLING OUT.

MASONRY WORK PROTECTION INSPECTION AND MAINTENANCE NOTES

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE MASONRY WORK PROTECTION.
- ALL CONCRETE WASTE SHALL BE REGULARLY CLEANED AND PLACED IN THE CONCRETE WASH OUT AREA.
- ROCK SOCKS SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED OR DAMAGED.

CBMP
CONSTRUCTION BEST MANAGEMENT PRACTICES
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LP
LOT PROTECTION

EROSION CONTROL BLANKET FOR LOT PROTECTION INSTALLATION NOTES

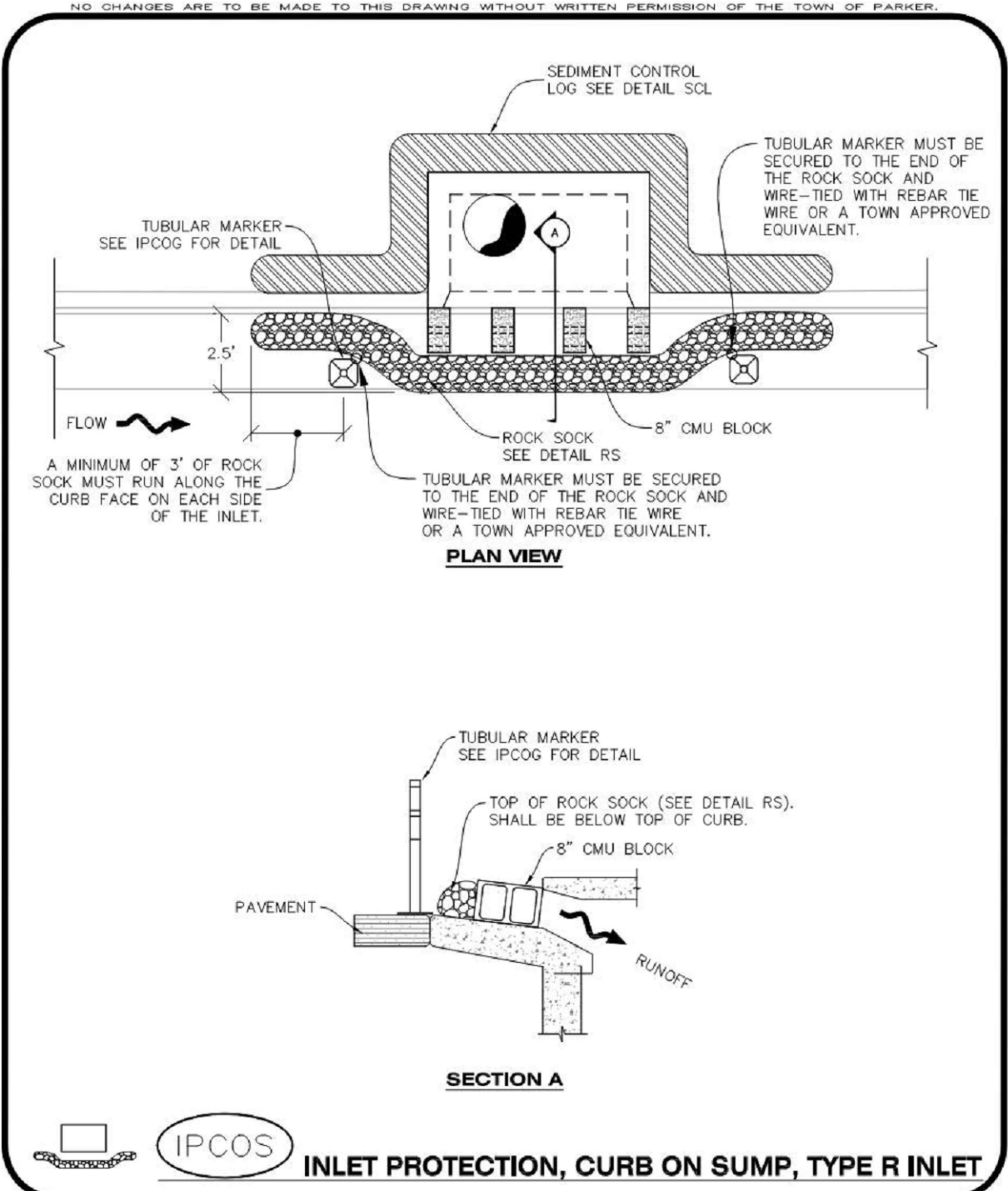
- ALL EROSION CONTROL BLANKETS FOR LOT PROTECTION INSTALLED IN THE TOWN SHALL MEET THE FOLLOWING MINIMUM REQUIREMENTS:

MANUFACTURER	PRODUCT NAME
NORTH AMERICAN GREEN	S150 BN
APPROVED EQUAL	APPROVED EQUAL
- ALL EROSION CONTROL BLANKETS FOR LOT PROTECTION SHALL BE INSTALLED ACCORDING TO THE DETAIL DRAWINGS, WITH THE FOLLOWING ALLOWANCES AND ADDITIONS:
 - THE TOWN WILL ALLOW THE USE OF BIODEGRADABLE, EROSION CONTROL BLANKET-SPECIFIC STAPLES, IN LIEU OF TRADITIONAL METAL STAPLES.
 - ALL EROSION CONTROL BLANKET EDGES (SIDES AND ENDS) MUST OVERLAP THE ADJACENT BLANKET BY A MINIMUM OF 6-INCHES WITH THE UP-GRADIENT EDGES BEING PLACED ON TOP OF THE DOWN-GRADIENT EDGE OF THE ADJACENT BLANKET.
 - THE EDGES (SIDES AND ENDS) OF THE EROSION CONTROL BLANKETS DO NOT NEED TO BE TRENCHED INTO THE GROUND ASSUMING THE SITE CONDITIONS WILL NOT CAUSE EROSION BENEATH THE BLANKETS. THESE ASSUMPTIONS WILL BE THE RESPONSIBILITY OF THE EROSION CONTROL SUPERVISOR. ON OCCASION, THE TOWN'S INSPECTOR MAY REQUEST TRENCHING BASED UPON SITE CONDITIONS.
 - TOPSOIL PLACEMENT, SEEDING, AND MULCHING WILL NOT BE REQUIRED ON THE LOTS PRIOR TO THE INSTALLATION OF THE EROSION CONTROL BLANKET.
- ANY DAMAGED OR EXCESS STAPLES SHALL BE REMOVED FROM THE SITE FOLLOWING INSTALLATION.
- THE EROSION CONTROL BLANKETING REQUIRED AS PART OF THE LOT PROTECTION (LP) REQUIREMENT MUST BE INSTALLED OVER ALL UN-LANDSCAPED AREAS WITHIN EACH RESIDENTIAL, MULTI-FAMILY, AND COMMERCIAL LOT PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY / TEMPORARY CERTIFICATE OF OCCUPANCY.

EROSION CONTROL BLANKET FOR LOT PROTECTION MAINTENANCE NOTES

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE EROSION CONTROL BLANKET FOR LOT PROTECTION.
- EROSION CONTROL BLANKETS FOR LOT PROTECTION ARE INTENDED TO REMAIN IN PLACE AND MAINTAINED UNTIL LANDSCAPING IS INSTALLED.

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CONSTRUCTION BEST MANAGEMENT PRACTICES
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IPCOS
INLET PROTECTION, CURB ON SUMP, TYPE R INLET

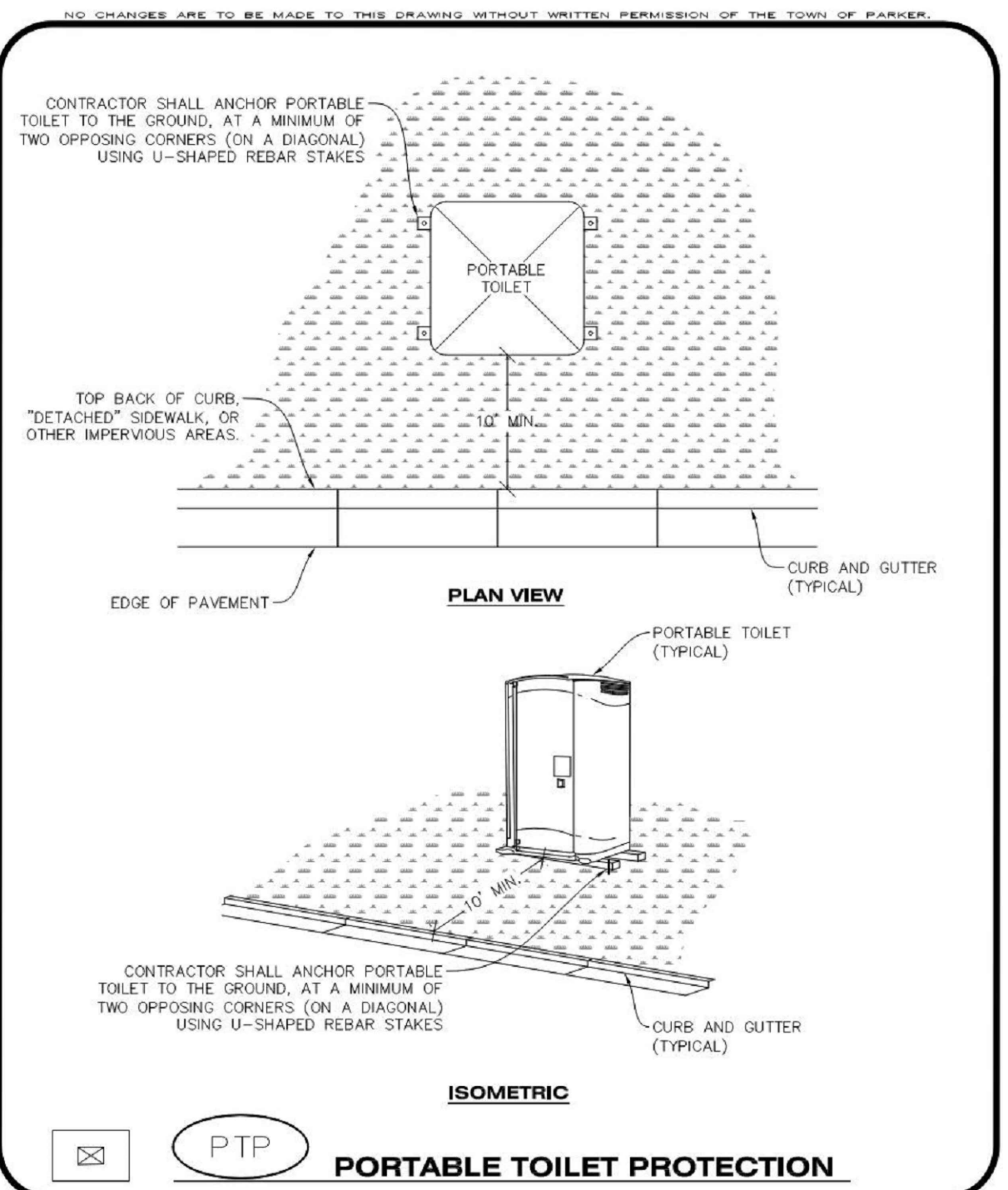
CURB INLET PROTECTION INSTALLATION NOTES

- SEE CBMP PLAN FOR LOCATION(S) OF CURB INLET PROTECTION.
- CRUSHED ROCK SHALL BE 2.0"-3.0" IN SIZE WITH A FRACTURED FACE (ALL SIDES).
- ROCK SOCK SHALL BE ONE CONTINUOUS PIECE OR SHALL BE CONSTRUCTED USING WIRE WRAPPED JOINTS (SEE DETAIL RS).
- ROCK SOCK SHALL BE CONSTRUCTED USING CHICKEN WIRE OR OTHER APPROVED MATERIAL SIZED TO KEEP ROCK FROM SPILLING OUT.
- ROCK SOCK SHALL EXTEND 3.0' ALONG THE CURB BEYOND LOCATIONS WHERE IT RETURNS TO CONTACT CURB FACE.
- TUBULAR TRAFFIC MARKERS SHALL BE A MINIMUM OF 36" IN HEIGHT WITH REFLECTIVE BANDS AND OCTAGON SHAPED BASES.
- THE CURB INLET PROTECTION SHOWN ON CBMP PLAN SHALL BE INSTALLED ON EXISTING INLETS PRIOR TO ANY LAND DISTURBING ACTIVITIES OR IMMEDIATELY AFTER THE INSTALLATION OF THE FIRST LIFT OF ASPHALT ON ROADWAYS DRAINING TO THE CURB INLET. CMU BLOCKS OR THE ROCK SOCK SHALL BE USED AS INTERIM PROTECTION UNTIL THE FIRST LIFT OF ASPHALT IS INSTALLED.

CURB INLET PROTECTION INSPECTION AND MAINTENANCE NOTES

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE CURB INLET PROTECTION.
- ACCUMULATED SEDIMENT SHALL BE REMOVED AS SOON AS POSSIBLE, IMMEDIATELY IN MOST CASES.
- ROCK SOCKS SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED OR DAMAGED.
- CURB INLET PROTECTION SHALL REMAIN IN PLACE AND PROPERLY MAINTAINED UNTIL VEGETATIVE COVER HAS REACHED A CONSISTENT DENSITY OF AT LEAST 70% OF FULL VEGETATIVE COVER AND EROSION AND SEDIMENTATION IS NO LONGER A POSSIBILITY AS DETERMINED BY THE TOWN'S INSPECTOR OR AS OTHERWISE DIRECTED BY THE TOWN'S INSPECTOR.

CBMP
CONSTRUCTION BEST MANAGEMENT PRACTICES
IPCOS
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PTP
PORTABLE TOILET PROTECTION

PORTABLE TOILET PROTECTION INSTALLATION NOTES

- PORTABLE TOILETS SHALL BE PLACED A MINIMUM OF 10.0' BEHIND ALL CURBS, SIDEWALKS, AND OTHER IMPERVIOUS AREAS.
- ALL PORTABLE TOILETS MUST BE GROUPED TOGETHER.
- PORTABLE TOILETS SHALL BE SECURELY ANCHORED TO THE GROUND USING U-SHAPED REBAR STAKES.
- U-SHAPED REBAR STAKES SHALL BE POSITIONED ON AT LEAST 2 OPPOSING (DIGITAL) CORNERS.

PORTABLE TOILET PROTECTION INSPECTION AND MAINTENANCE NOTES

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE PORTABLE TOILET PROTECTION.
- PORTABLE TOILETS SHALL BE SERVICED AT THE NECESSARY INTERVALS TO ELIMINATE THE POSSIBILITY OF OVERFLOW.
- WHEN THE PORTABLE TOILETS ARE REMOVED, ANY DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE TOILETS MAY NEED TO BE LANDSCAPED OR ROUGHENED, SEEDED, MULCHED, AND CRIMPED PER THE TOWN'S SPECIFICATIONS (SEE DETAIL SMC).
- PORTABLE TOILETS THAT ARE NOT CONSISTENTLY MAINTAINED IN ACCORDANCE WITH THESE REQUIREMENTS MAY NEED TO BE CLUSTERED TOGETHER, IN ONE CENTRALIZED LOCATION IN ORDER TO INCREASE COMPLIANCE AND REDUCE THE CHANCE OF A SPILL.

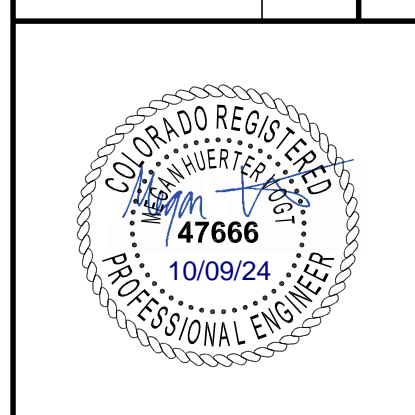
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PTP
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DATE	DESCRIPTION
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PROJECT: **ADVENTHEALTH PARKER EXPANSION
PARKER, CO 80138**

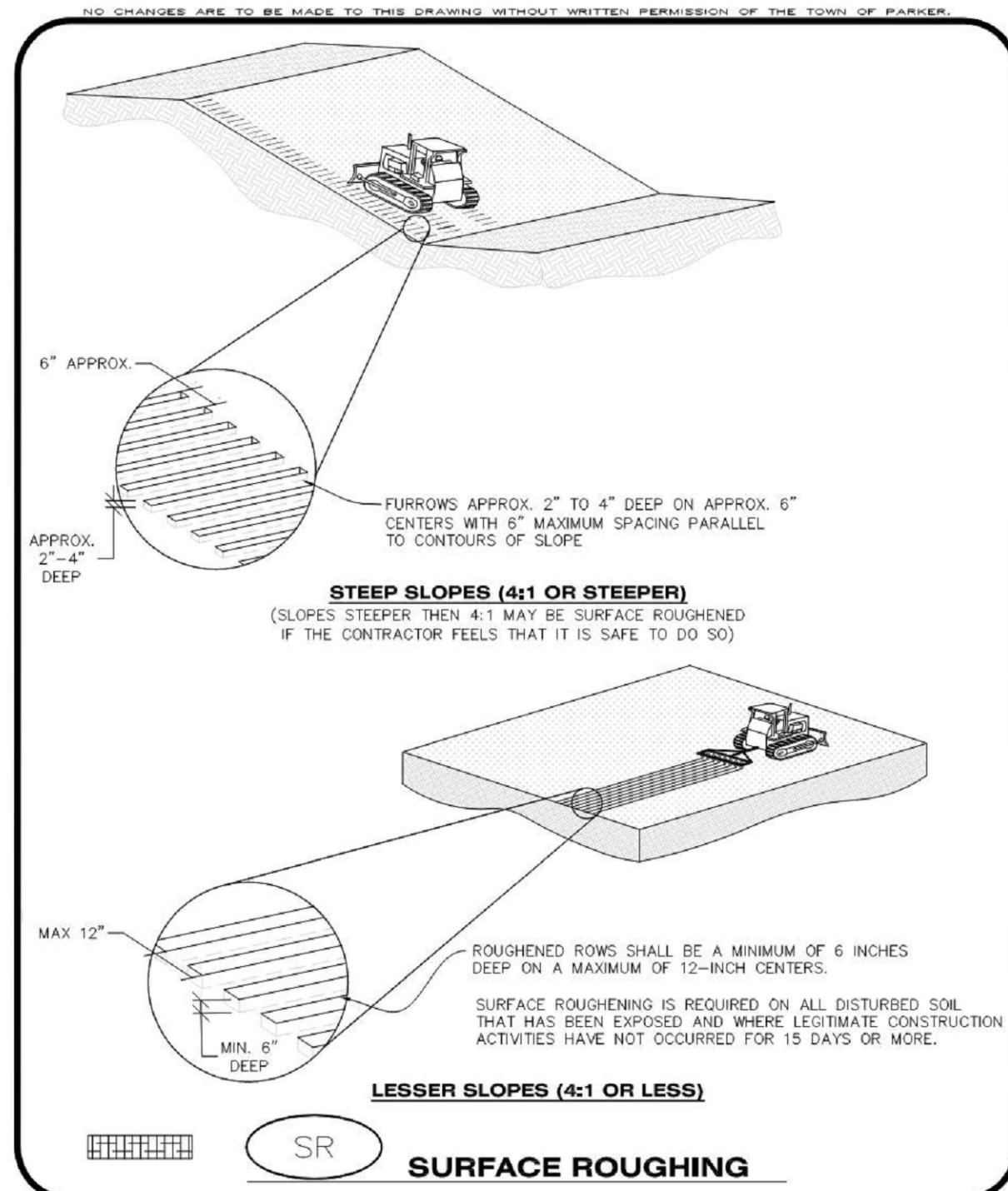
DRAWING TITLE: **EROSION CONTROL DETAILS**

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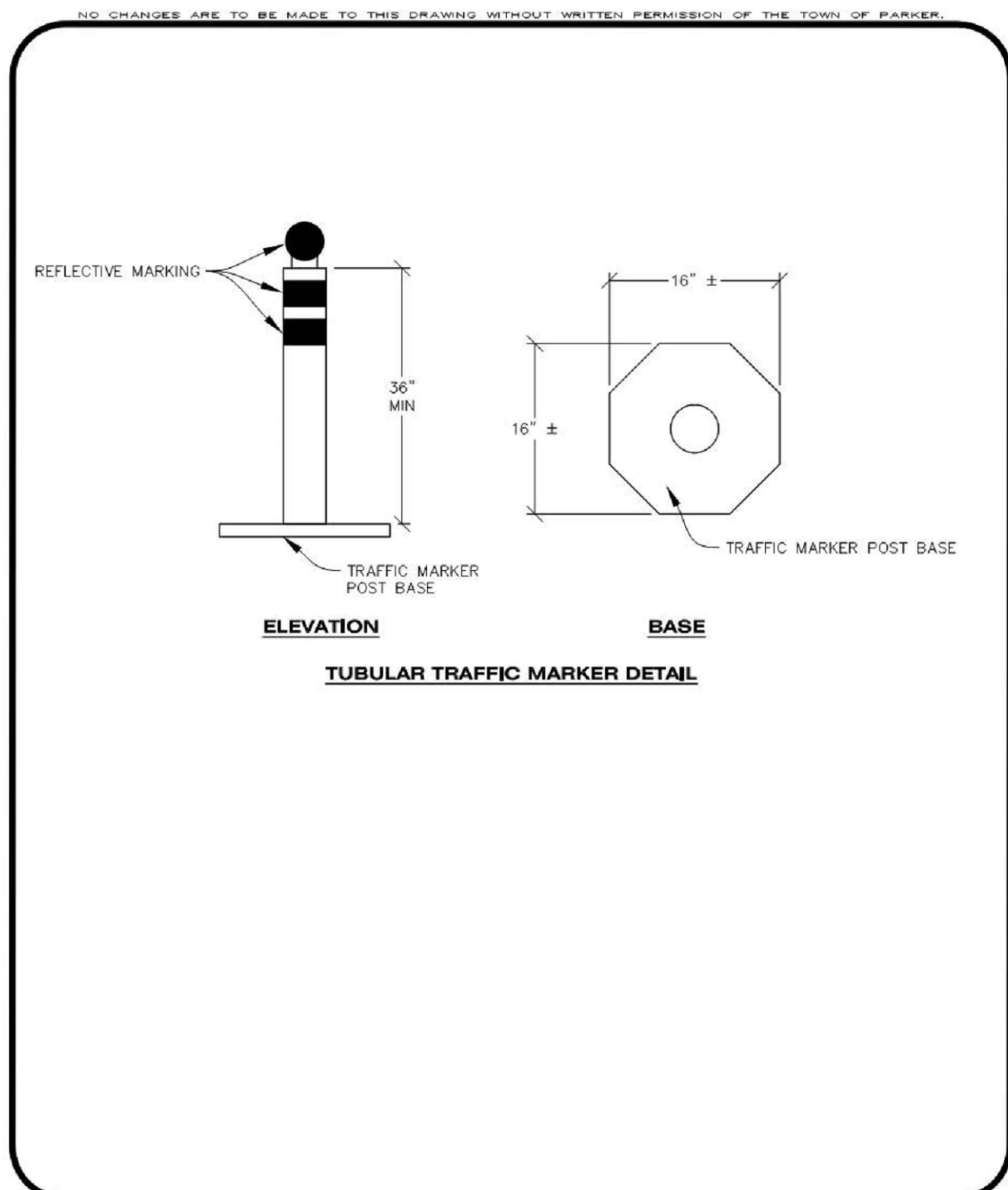


DESIGNED BY: RJH
DRAWN BY: EDS
CHECKED BY: MHV
MIRO JOB NO. 23079

DRAWING NUMBER:
A-C256



Parker COLORADO | **CBMP** | **SR**
CONSTRUCTION BEST MANAGEMENT PRACTICES | 1 OF 2
Oct. 2013



Parker COLORADO | **CBMP** | **IPCOG**
CONSTRUCTION BEST MANAGEMENT PRACTICES | 2 OF 3
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NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

TOWN OF PARKER, SEED MIX 1
20% CASUDA WILDFIRE
15% CRESTED WHEATGRASS
15% SLENDER WHEATGRASS
10% ANNUAL RYEGRASS
10% SHEEP FESCUE
10% BIG BLUESTEM
10% SIDED OATS GRAMA
5% CANADA BLUEGRASS
5% BLUE GRAMA

SEEDING RATE:
DRILLED: 25 LBS./ACRE
BROADCAST: 50 LBS./ACRE

TOWN OF PARKER, SEED MIX 2
22% SLENDER WHEATGRASS
18% SODAR STREAMBANK WHEATGRASS
13% ARIZONA FESCUE
13% BLUE GRAMA
12% BUFFALOGRASS
12% BARLEY OR OATS
5% SPIKE MUHLY
5% INDIAN RICEGRASS

SEEDING RATE:
DRILLED: 25 LBS./ACRE
BROADCAST: 50 LBS./ACRE

TOWN OF PARKER, SEED MIX 3 (LOW-GROWTH MIX)
25% EPHRAIM CRESTED WHEATGRASS
23% SHEEP FESCUE
18% PERENNIAL RYEGRASS
13% CANADA BLUEGRASS
12% BARLEY OR OATS
9% BLUE FESCUE

SEEDING RATE:
DRILLED: 25 LBS./ACRE
BROADCAST: 50 LBS./ACRE

SEED MIX 4:
OTHER SEED MIXES APPROVED BY THE TOWN OF PARKER

Parker COLORADO | **CBMP** | **SMC**
CONSTRUCTION BEST MANAGEMENT PRACTICES | 3 OF 3
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NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.

SEEDING AND MULCHING SHALL BE PERFORMED ACCORDING TO THE ACCOMPANYING DETAIL(S) AND TEXT. NO EXCEPTIONS SHALL BE MADE

- SEE PLAN VIEW FOR:
 - LOCATION(S) OF SEEDING AND MULCHING
 - TYPE OF SEED MIX
- SEED MIXES MAY CONFORM TO THE TABLE PROVIDED WITH THE SMC NOTES OR ALTERNATIVES MAY BE ALLOWED WITH PRIOR PERMISSION BY THE TOWN'S INSPECTOR.
- SEEDING MAY BE PERFORMED YEAR ROUND ASSUMING THE SOIL IS NOT FROZEN. SEEDING DURING TIMES OF EXTREME TEMPERATURES SHOULD BE AVOIDED IF POSSIBLE.
- AT THE BEGINNING OF THE LAND DISTURBANCE ACTIVITIES, IT IS HIGHLY RECOMMENDED THAT AN APPROPRIATE AMOUNT OF NATIVE TOPSOIL BE STRIPPED FROM THE SITE AND STOCKPILED. ALL AREAS, PRIOR TO PERMANENT SEEDING AND MULCHING, WILL LIKELY NEED TO BE COVERED WITH AN APPROPRIATE LAYER OF TOPSOIL. THIS REQUIREMENT APPLIES TO ALL AREAS WHERE NATIVE SEEDING IS SPECIFIED ON THE CBMP PLAN AND/OR LANDSCAPING PLANS.
- IT IS STRONGLY RECOMMENDED THAT SAMPLES FROM THE STRIPPED TOPSOIL BE PROPERLY COLLECTED AND TESTED BY A QUALIFIED LABORATORY TO ENSURE ADEQUATE NUTRIENT CONTENT PRIOR TO SEEDING AND MULCHING. IF IT IS DISCOVERED THAT THE TOPSOIL IS VOID OF THE NUTRIENTS NECESSARY TO SUCCESSFULLY ESTABLISH THE REQUIRED VEGETATION, THEN THE APPROPRIATE AMENDMENTS SHALL BE ADDED.
- ALL AREAS TO BE SEEDING AND MULCHED SHALL BE SURFACE ROUGHENED ACCORDING TO THE SURFACE ROUGHENING DETAILS AND NOTES. SURFACE ROUGHENING SHALL OCCUR AFTER PLACEMENT OF THE TOPSOIL.
- WHEN INSTALLED WITH A DRILL SEEDER, SEED SHALL BE PLACED AT A DEPTH OF 1/4 - 1/2 INCH. ROW SPACING SHALL BE NO MORE THAN 6-INCHES.
- ALL AREAS INCAPABLE OF BEING DRILL SEEDER SHALL BE SURFACE ROUGHENED ACCORDING TO THE SURFACE ROUGHENING NOTES OR EFFECTIVELY ROUGHENED USING A HARROW OR OTHER SUCH IMPLEMENT. ALL AREAS SHALL BE UNIFORMLY HAND BROADCASTED WITH THE PROPER SEED MIX APPLIED AT TWO TIMES THE DRILL SEEDER RATE. BROADCASTED AREAS SHALL THEN BE RE-HARROWED OR RE-RAKED USING A HARD-TIPPED RAKE TO ENSURE THAT SEEDS ARE BURIED TO AN APPROXIMATE DEPTH OF 1/4 - 1/2 INCH.
- AFTER SEEDING HAS BEEN COMPLETED, MULCH SHALL BE UNIFORMLY APPLIED AT A RATE OF 2 TONS/ACRE (4,000 LBS/ACRE). MULCH SHALL BE MECHANICALLY CRIMPED TO A DEPTH OF 2 INCHES USING A CRIMPER. MULCH SHALL BE HAND CRIMPED AND COVERED WITH A TACKIFIER IN AREAS WHERE MECHANICAL CRIMPING IS NOT POSSIBLE, WHEN SOILS PERMIT. ALL MULCH SHALL BE CRIMPED SUCH THAT THE INDIVIDUAL PIECES OF STRAW OR HAY FORM EXAGGERATED V-SHAPES PROTRUDING OUT OF THE GROUND SEVERAL INCHES.
- IN CERTAIN INSTANCES, IT MAY BE NECESSARY TO APPLY A TACKIFIER IN ORDER TO HELP WITH STRAW DISPLACEMENT. TACKIFIER SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.

Parker COLORADO | **CBMP** | **SMC**
CONSTRUCTION BEST MANAGEMENT PRACTICES | 1 OF 3
Oct. 2013

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SURFACE ROUGHENING INSTALLATION NOTES

- SEE CBMP PLAN FOR LOCATION(S) OF SURFACE ROUGHENING.
- DISTURBED AREAS THAT REMAIN INACTIVE FOR 15 DAYS OR MORE MUST RECEIVE SURFACE ROUGHENING OR ANOTHER APPROVED BMP FROM THE SDCM. DETERMINATION OF JOB SITE INACTIVITY IS AT THE DISCRETION OF THE TOWN'S INSPECTOR.
- FOR STEEP SLOPES (3:1 OR STEEPER), IT IS ACCEPTABLE TO "TRACK" THE SLOPES, ACCORDING TO THE CBMP DETAILS.
- SCHEDULES FOR REQUIRING STABILIZATION MAY BE MODIFIED BY THE PERMITTEE TO ALLOW FOR SPECIAL CONSIDERATIONS SUCH AS STABILIZING ACCESS AREAS AND AREAS IN CLOSE PROXIMITY TO CONTINUING CONSTRUCTION.

SURFACE ROUGHENING INSPECTION AND MAINTENANCE NOTES

- THE EROSION CONTROL SUPERVISOR SHALL PROACTIVELY INSPECT THE SURFACE ROUGHENING.

Parker COLORADO | **CBMP** | **SR**
CONSTRUCTION BEST MANAGEMENT PRACTICES | 2 OF 2
Oct. 2013

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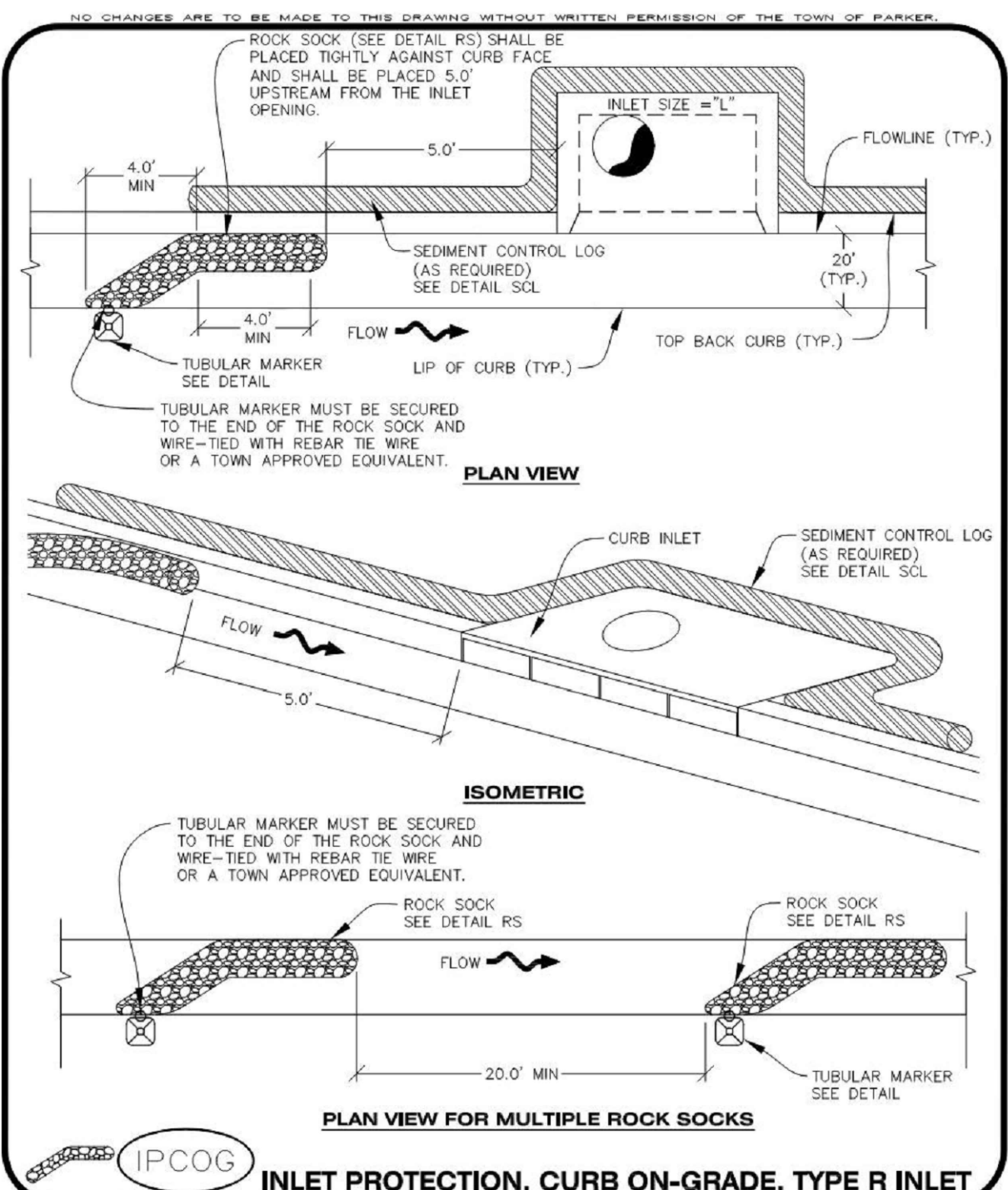
INLET PROTECTION, CURB ON-GRADE INSTALLATION NOTES

- SEE CBMP PLAN FOR LOCATION(S) OF ON-GRADE INLET PROTECTION.
- CRUSHED ROCK SHALL BE 2.0"-3.0" IN SIZE WITH A FRACTURED FACE (ALL SIDES).
- ROCK SOCK FOR ON-GRADE INLET PROTECTION SHALL BE ONE CONTINUOUS PIECE.
- ROCK SOCK SHALL BE CONSTRUCTED USING CHICKEN WIRE OR OTHER APPROVED MATERIAL, SIZED TO KEEP ROCK FROM SPILLING OUT.
- ROCK SOCK SHALL BE PLACED 5.0' UPHILL OF THE INLET OPENING.
- TUBULAR MARKER SHALL BE A MINIMUM OF 3.0' HIGH WITH REFLECTIVE BANDS AND OCTAGON SHAPED BASES.
- THE CURB INLET PROTECTION SHOWN ON CBMP PLAN SHALL BE INSTALLED ON EXISTING INLETS PRIOR TO ANY LAND DISTURBING ACTIVITIES OR IMMEDIATELY AFTER THE APPLICABLE INSTALLATION OF THE FIRST LIFT OF ASPHALT ON ROADWAYS DRAINING TO THE INLET.

ON-GRADE INLET PROTECTION INSPECTION AND MAINTENANCE NOTES

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE ON-GRADE INLET PROTECTION.
- ACCUMULATED SEDIMENT SHALL BE REMOVED AS SOON AS POSSIBLE, IMMEDIATELY IN MOST CASES.
- ROCK SOCKS SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED OR DAMAGED.
- ON-GRADE INLET PROTECTION SHALL REMAIN IN PLACE AND PROPERLY MAINTAINED UNTIL VEGETATIVE COVER HAS REACHED A CONSISTENT DENSITY OF AT LEAST 70% OF FULL VEGETATIVE COVER AND EROSION AND SEDIMENTATION IS NO LONGER A POSSIBILITY AS DETERMINED BY THE TOWN'S INSPECTOR OR AS OTHERWISE DIRECTED BY THE TOWN'S INSPECTOR.

Parker COLORADO | **CBMP** | **IPCOG**
CONSTRUCTION BEST MANAGEMENT PRACTICES | 3 OF 3
Oct. 2013



Parker COLORADO | **CBMP** | **IPCOG**
CONSTRUCTION BEST MANAGEMENT PRACTICES | 1 OF 3
Oct. 2013

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SEEDING AND MULCHING MAINTENANCE NOTES

- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE SEEDING AND MULCHING.
- ANY SEEDED AND MULCHED AREAS THAT BECOME DAMAGED SHALL BE REPAIRED WITHIN THE TIME FRAME SPECIFIED BY THE TOWN'S INSPECTOR.

WEED MANAGEMENT

- ALL HERBICIDES SHALL BE APPLIED BY COMMERCIAL PESTICIDE APPLICATORS LICENSED BY THE COLORADO DEPARTMENT OF AGRICULTURE AS QUALIFIED APPLICATORS. THE CONTRACTOR SHALL FURNISH DOCUMENTATION OF SUCH LICENSING PRIOR TO HERBICIDE APPLICATION.
- HERBICIDE APPLICATION METHOD SHALL BE SUCH THAT PLANT GROWTH OUTSIDE THE DESIGNATED TREATMENT AREAS WILL NOT BE DAMAGED. ALL DAMAGE CAUSED BY IMPROPER HERBICIDE APPLICATION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- HERBICIDES SHALL BE APPLIED DURING THE APPROPRIATE SEASONS, WHEN TARGET PLANTS ARE ACTIVELY GROWING.
- AFTER THE GRASS SEED IS ESTABLISHED, APPROPRIATE HERBICIDES SHALL BE APPLIED TO CONTROL THE REMAINING WEEDS TO ENSURE A TIMELY RETURN OF THE FINANCIAL SECURITY. PROPER TIMING OF HERBICIDE APPLICATIONS ARE NECESSARY TO ACHIEVE THE SUPPRESSION OF WEED SEED PRODUCTION AND DEPLETION OF WEED ROOT MASS. ULTIMATELY, THE HERBICIDES USED SHALL BE BASED UPON THE TARGET WEEDS.
- HERBICIDE TREATMENTS SHALL CONTINUE AT AN APPROPRIATE RATE UNTIL IT IS EVIDENT THAT WEED GROWTH PRESENCE AND GROWTH IS MINIMAL AND MAY BE CONTROLLED THROUGH MOWING AND/OR ANNUAL HERBICIDE TREATMENT.

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CONSTRUCTION BEST MANAGEMENT PRACTICES | 2 OF 3
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2	08/16/2024	2ND TOWN SUBMITTAL
3	10/10/2024	3RD TOWN SUBMITTAL

PROJECT: **ADVENTHEALTH PARKER EXPANSION
PARKER, CO 80138**

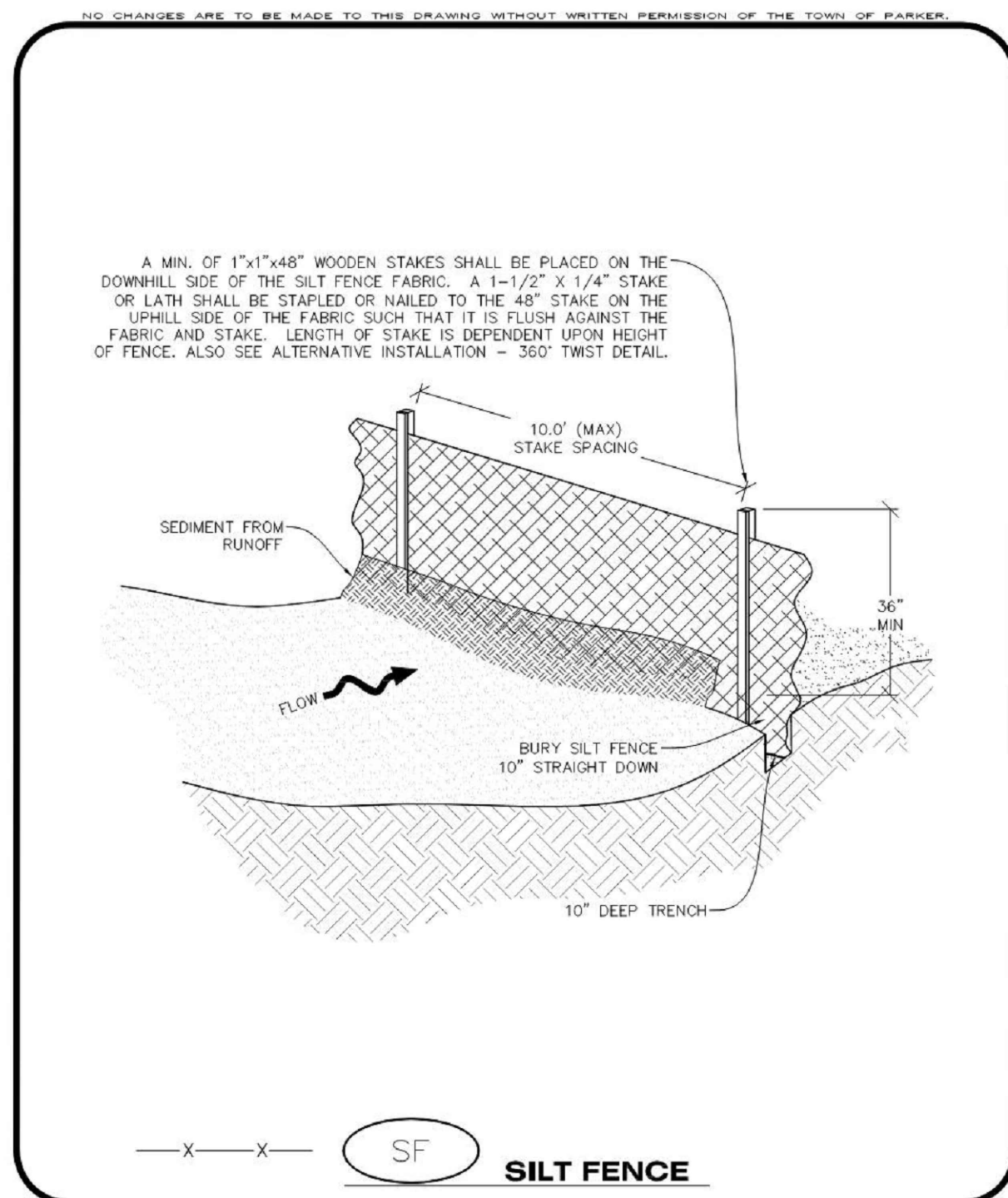
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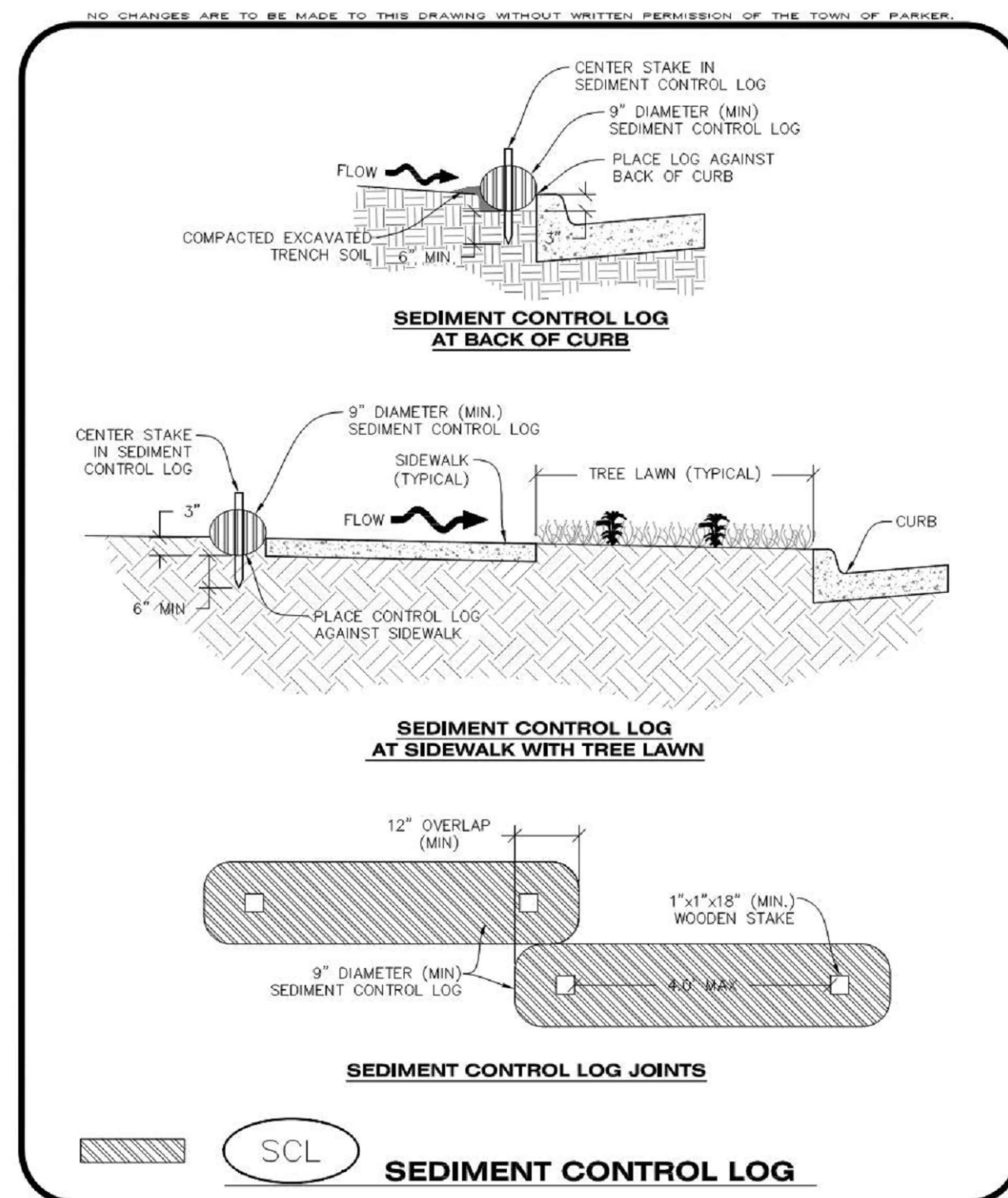


DESIGNED BY: RJH
DRAWN BY: EDS
CHECKED BY: MHV
MIRO JOB NO. 23079

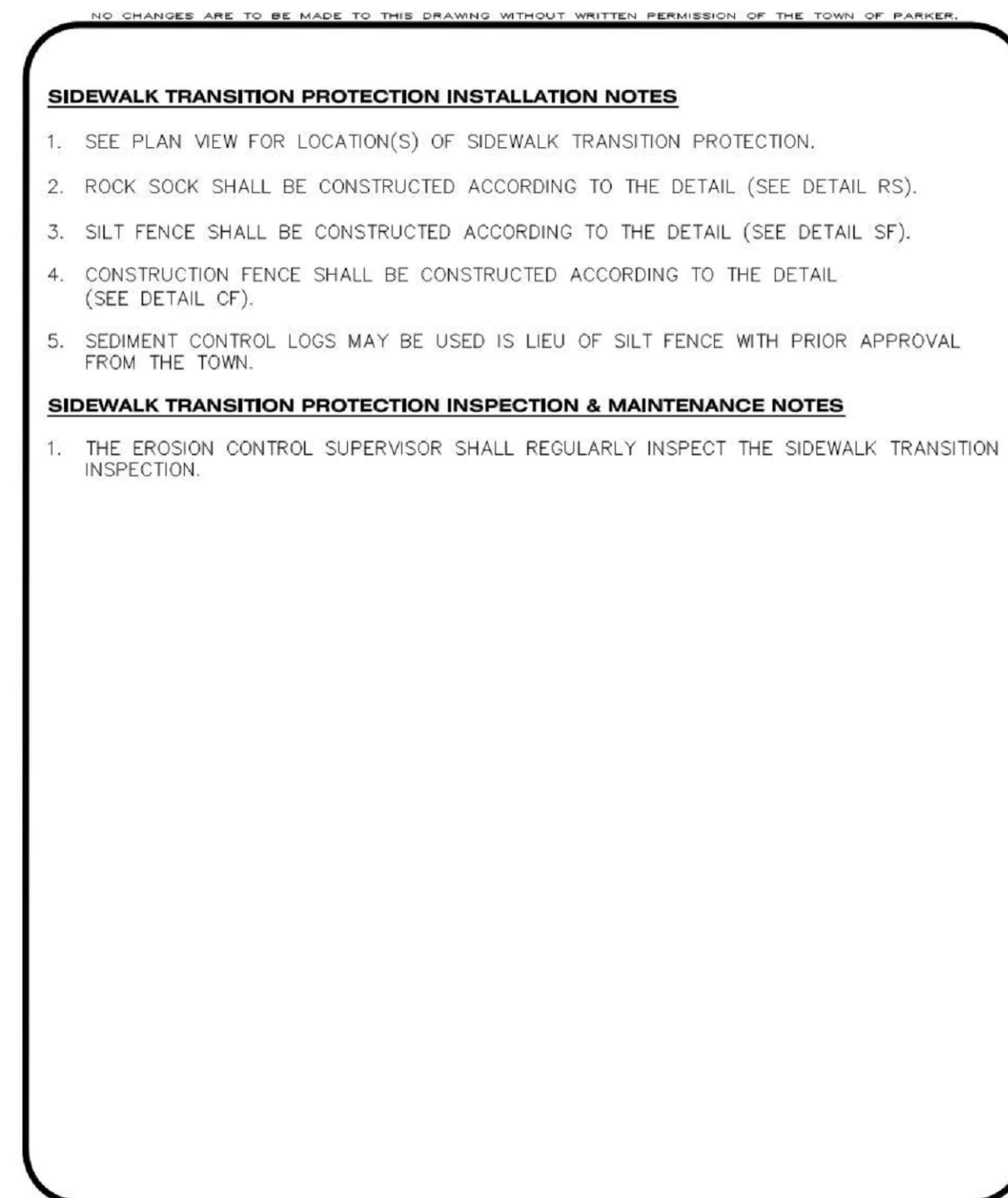
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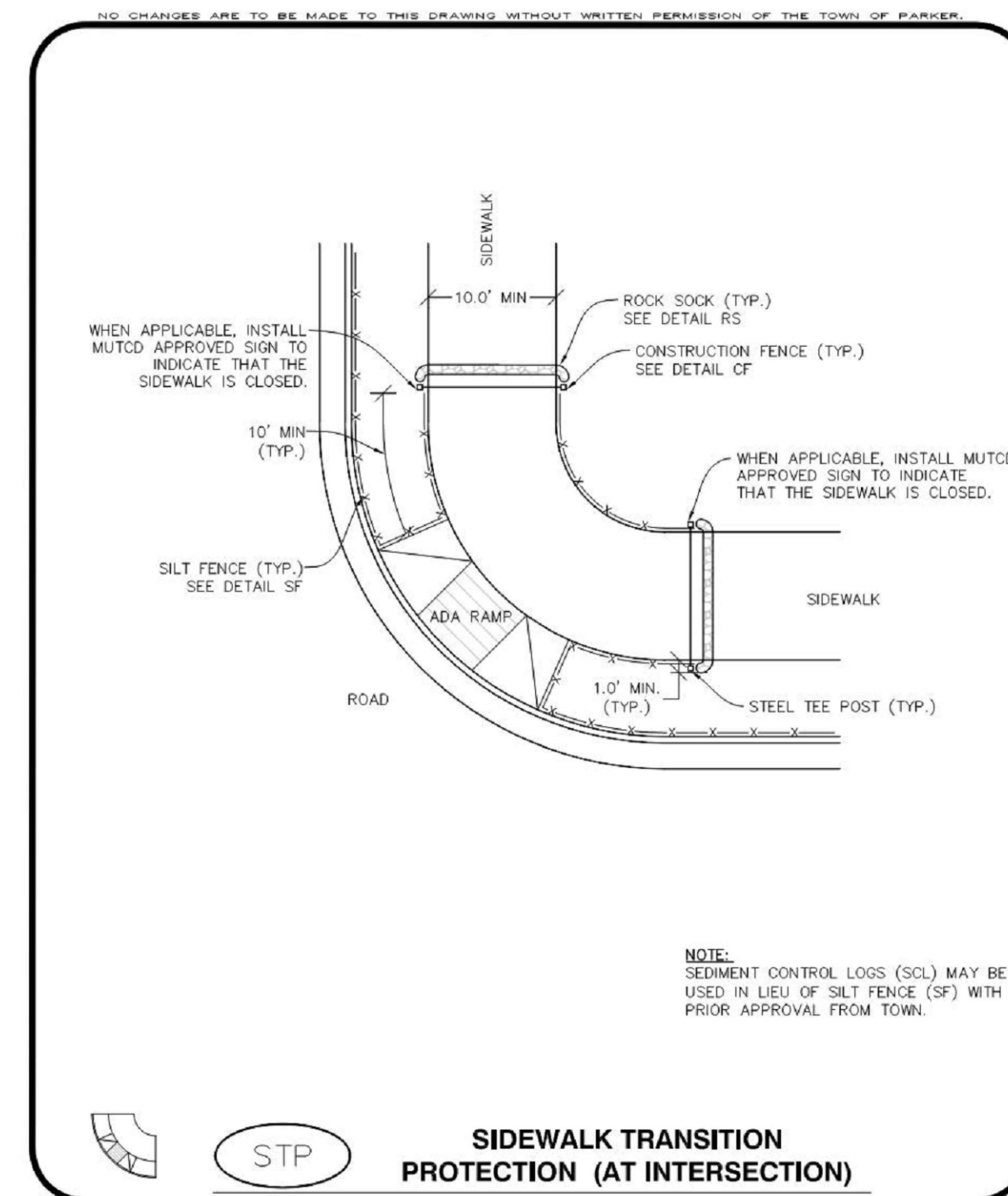
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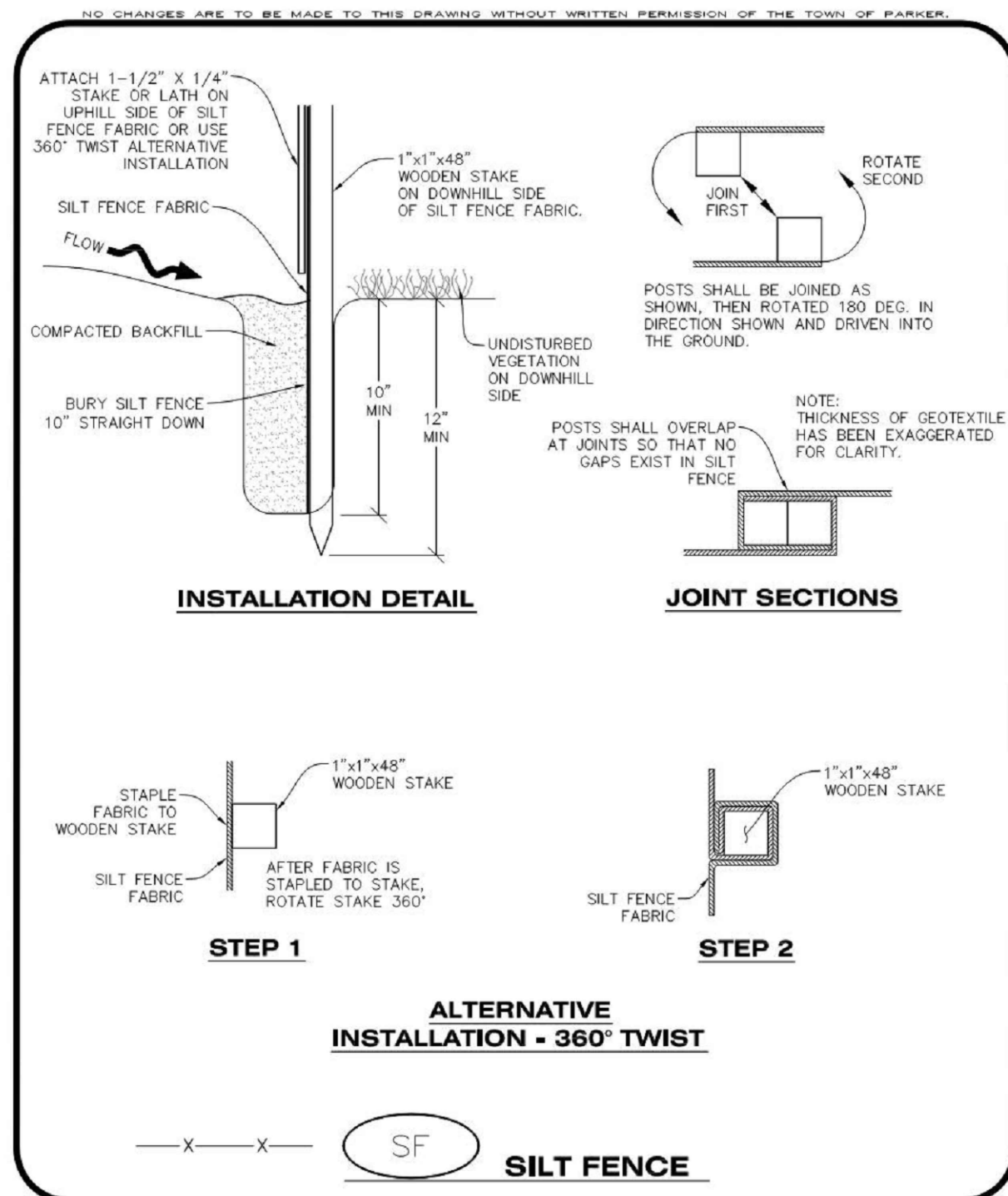
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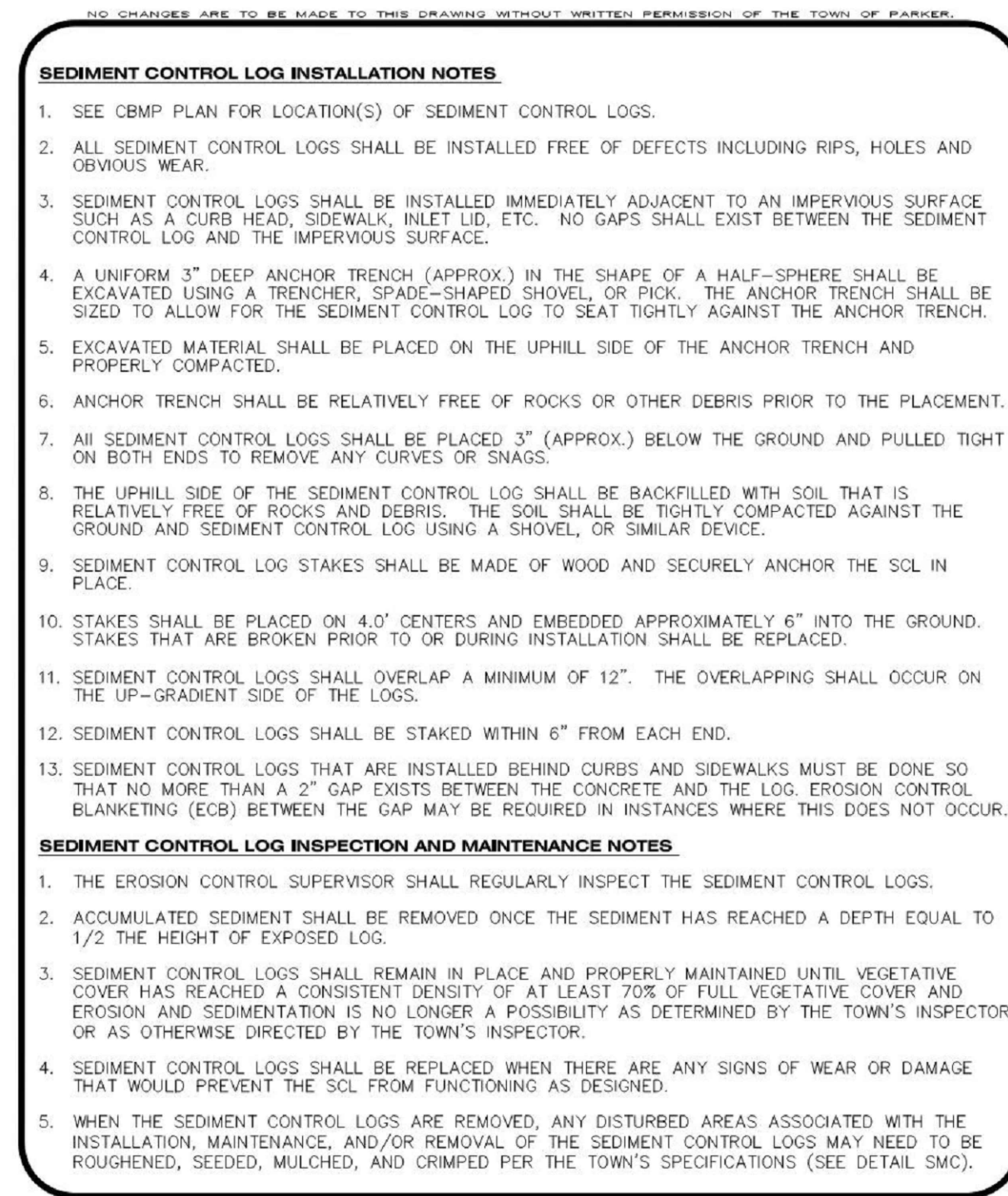
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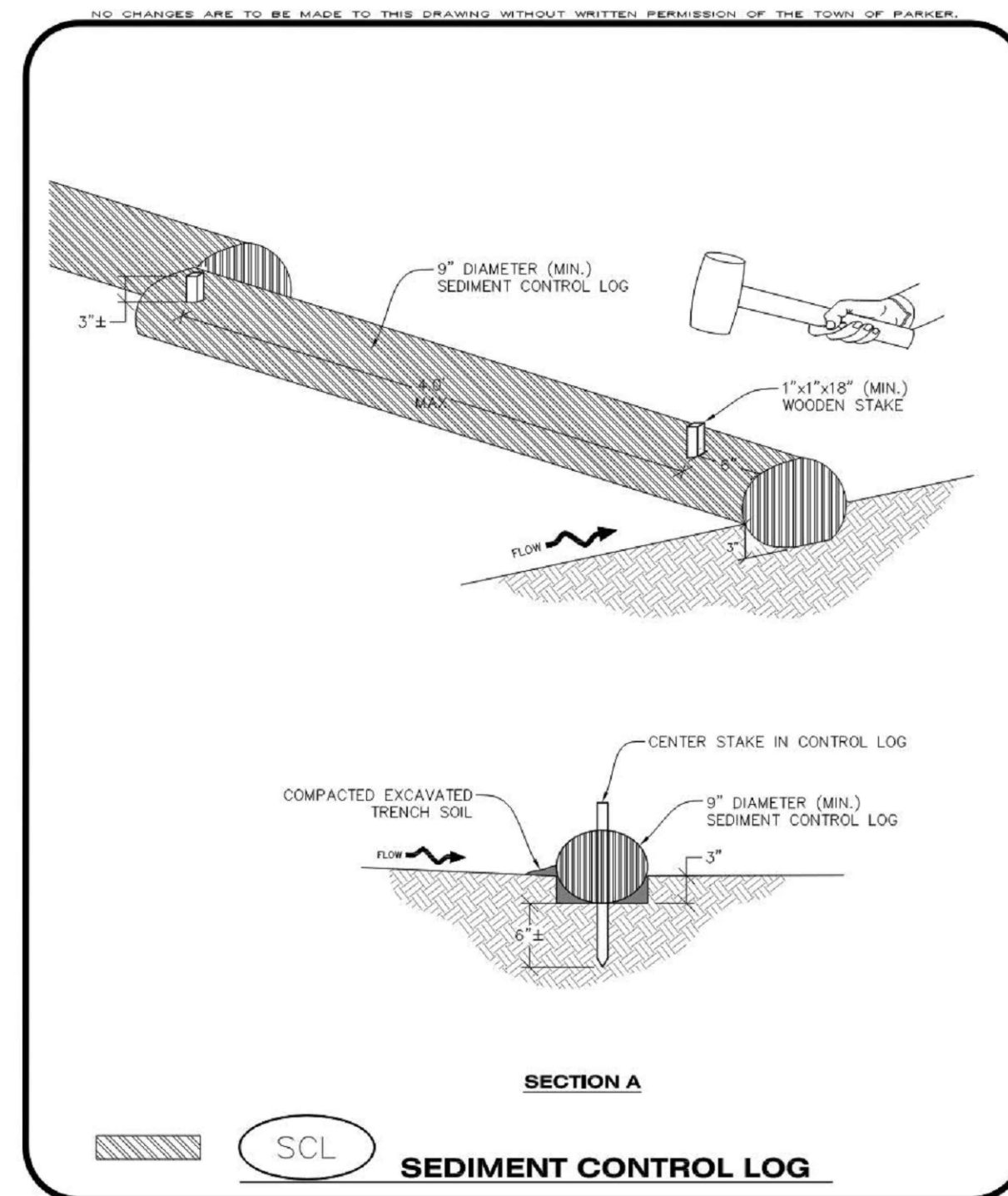
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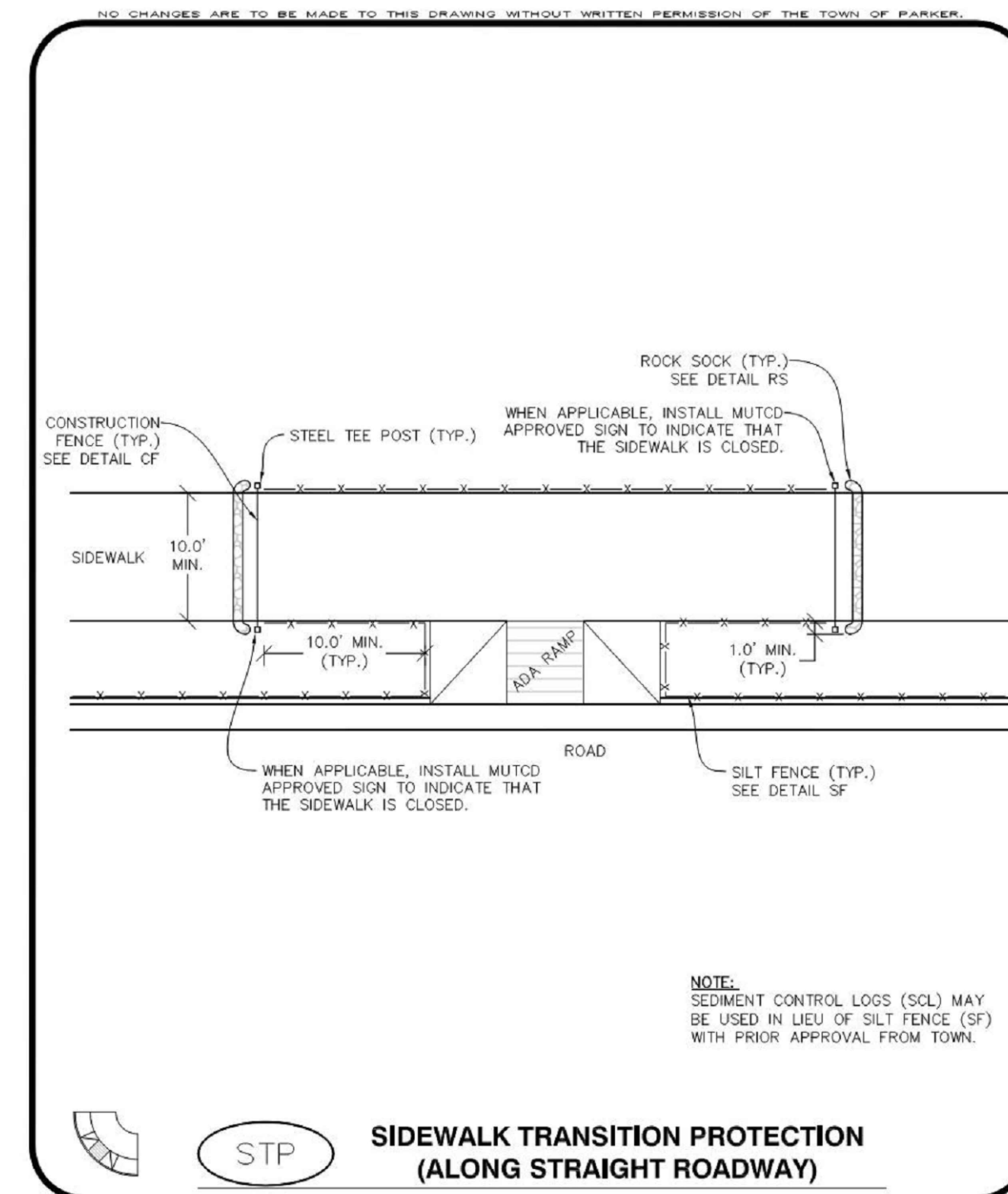
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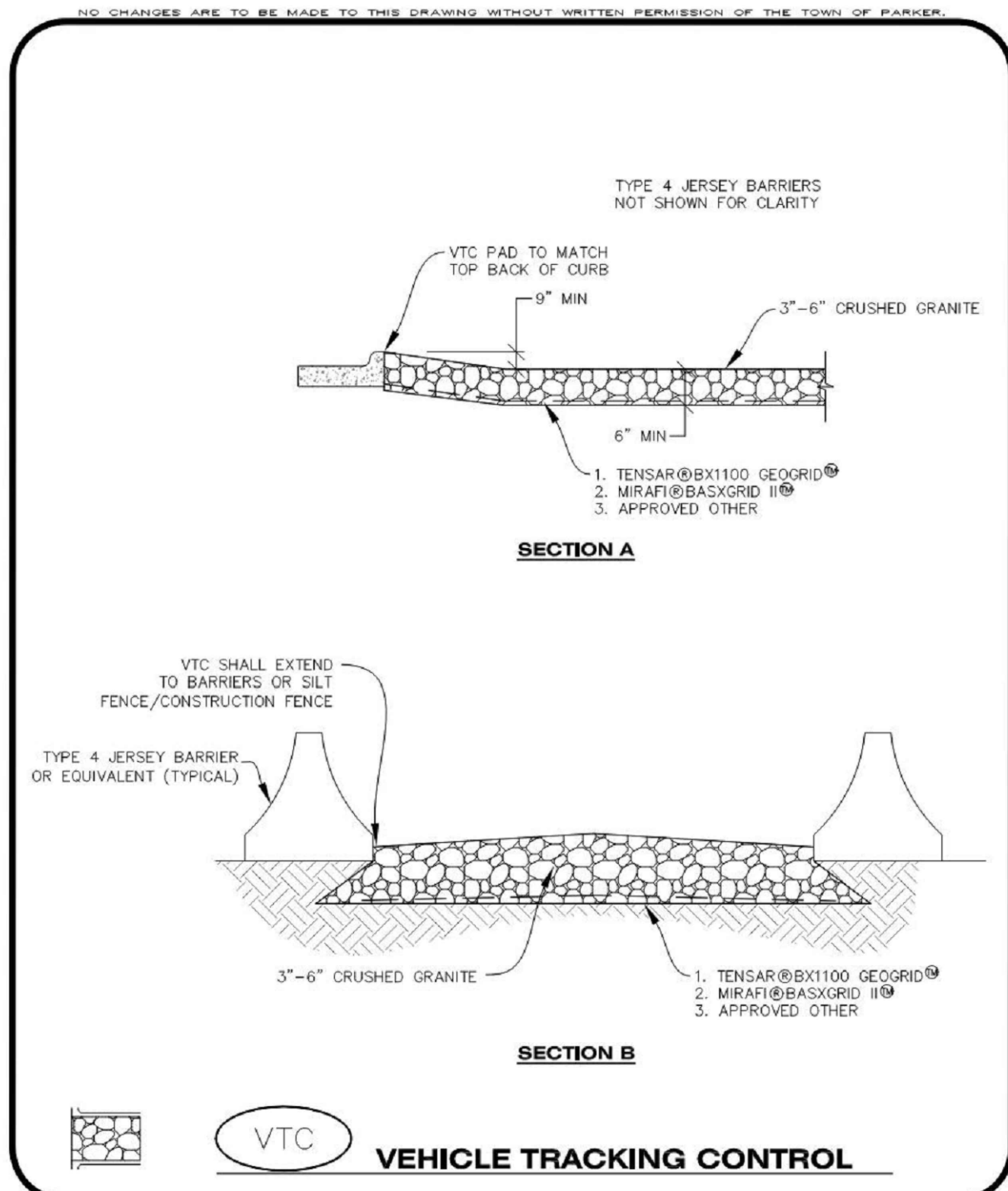
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08/16/2024	2ND TOWN SUBMITTAL
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PROJECT: ADVENTHEALTH PARKER EXPANSION PARKER, CO 80138
DRAWING TITLE: EROSION CONTROL DETAILS

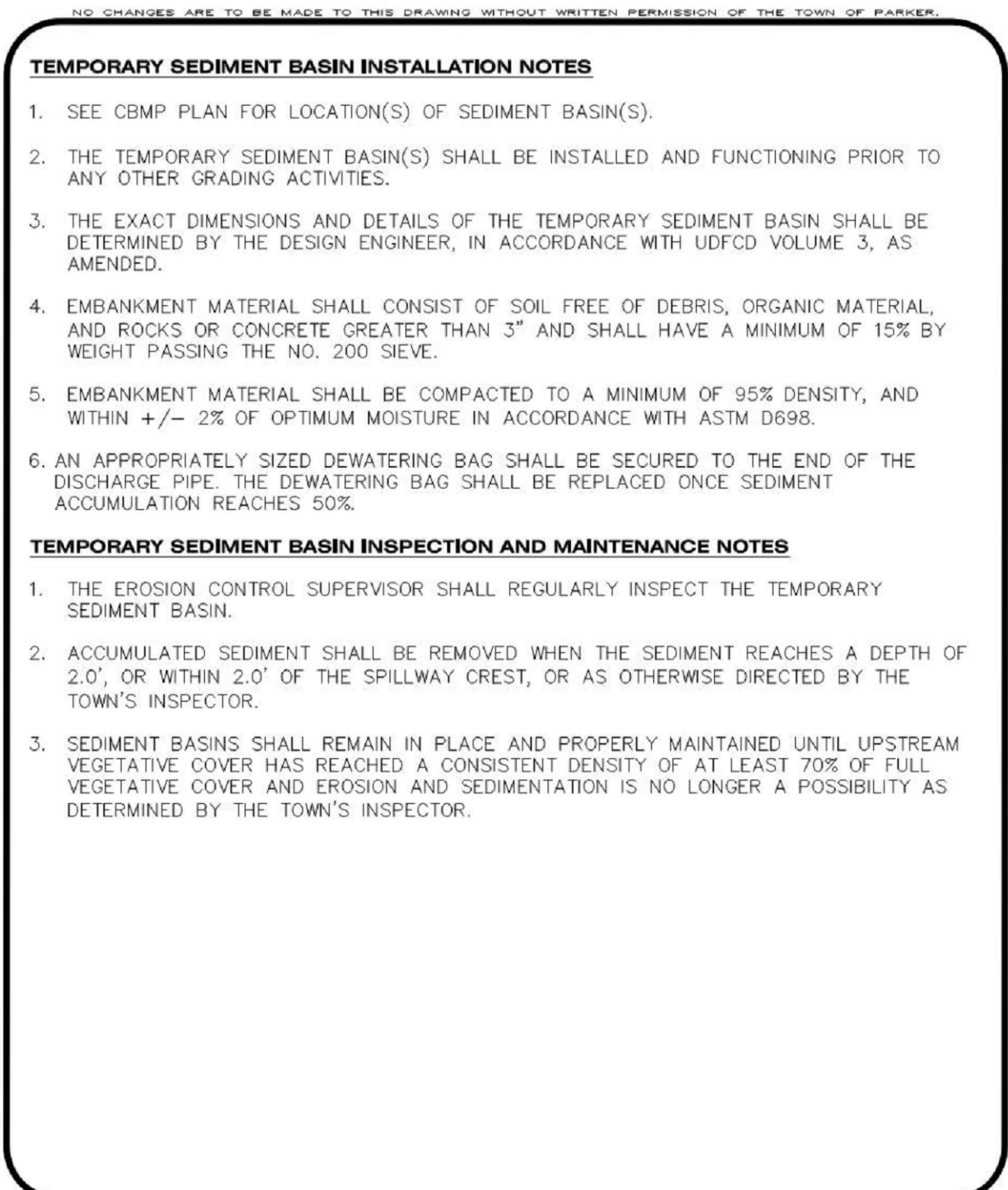
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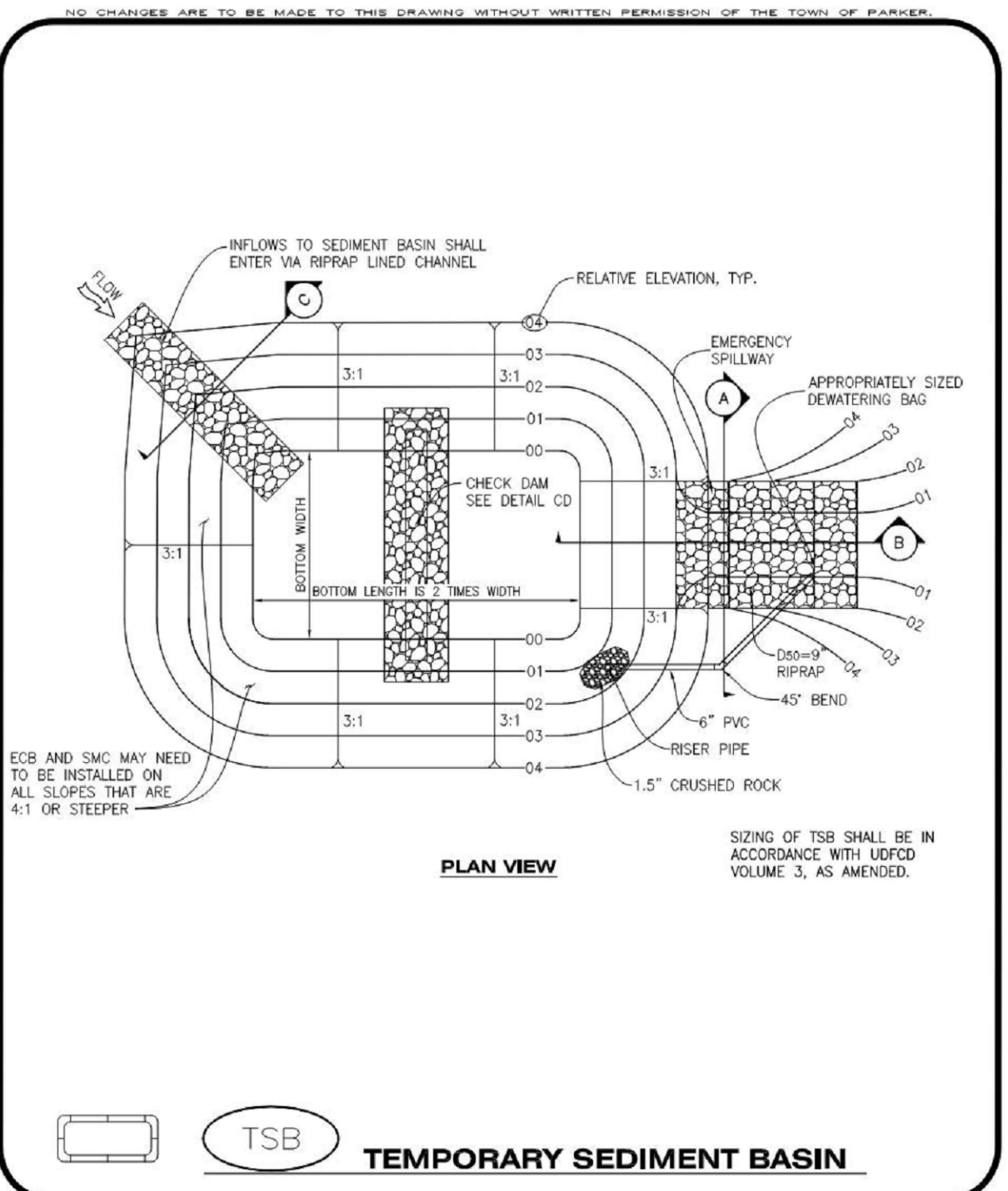
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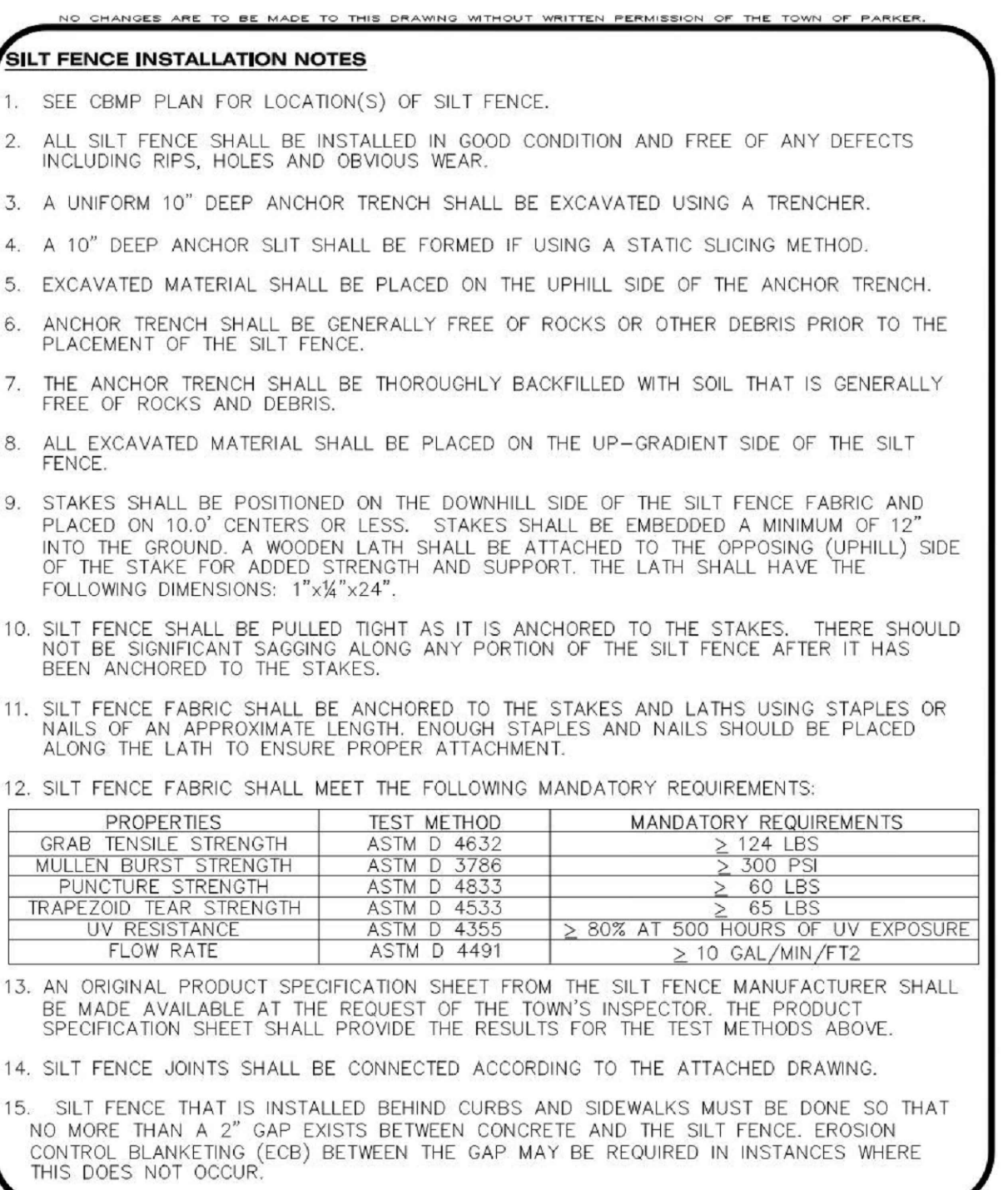
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2 OF 3
Oct. 2013



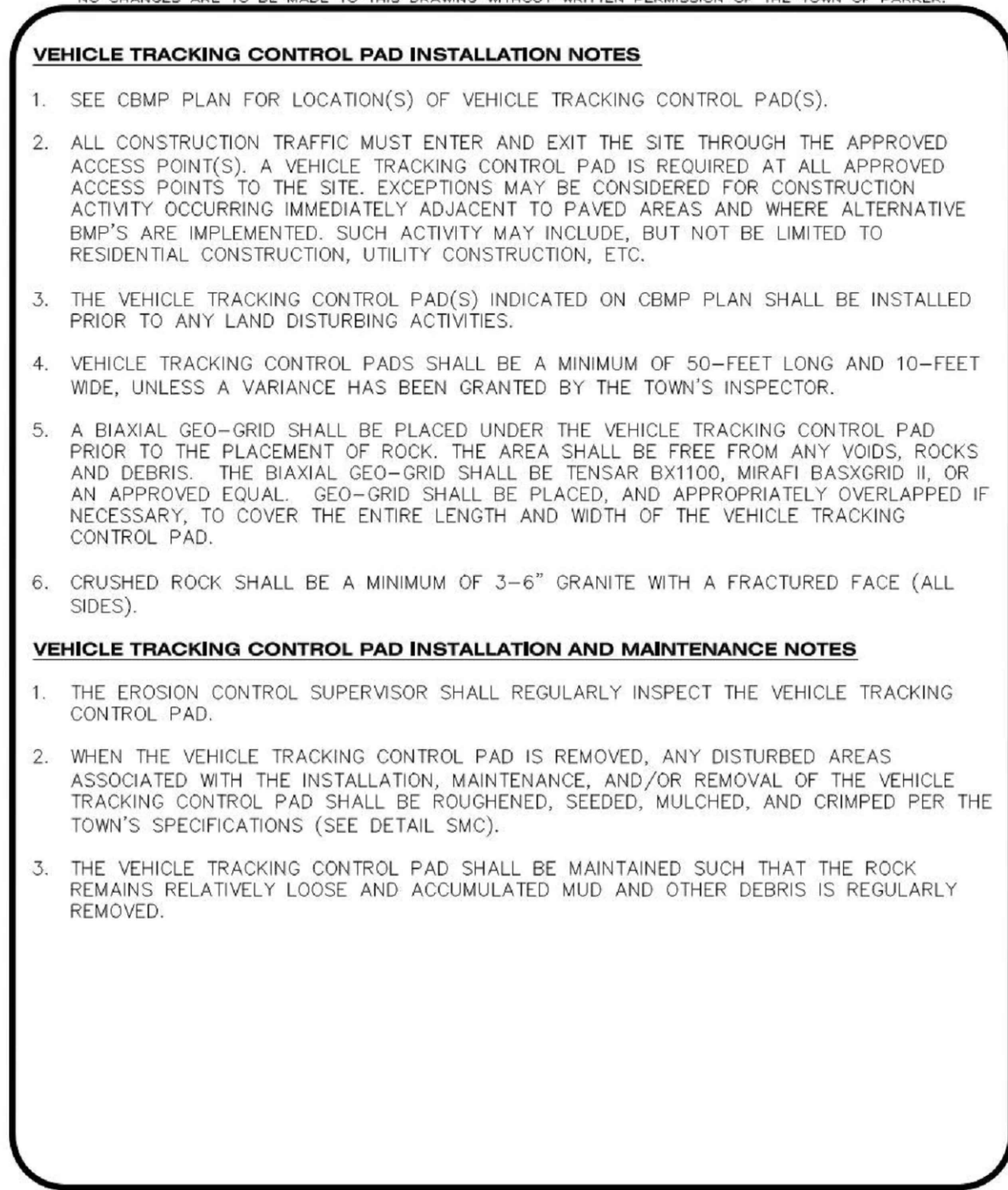
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3 OF 3
Oct. 2013



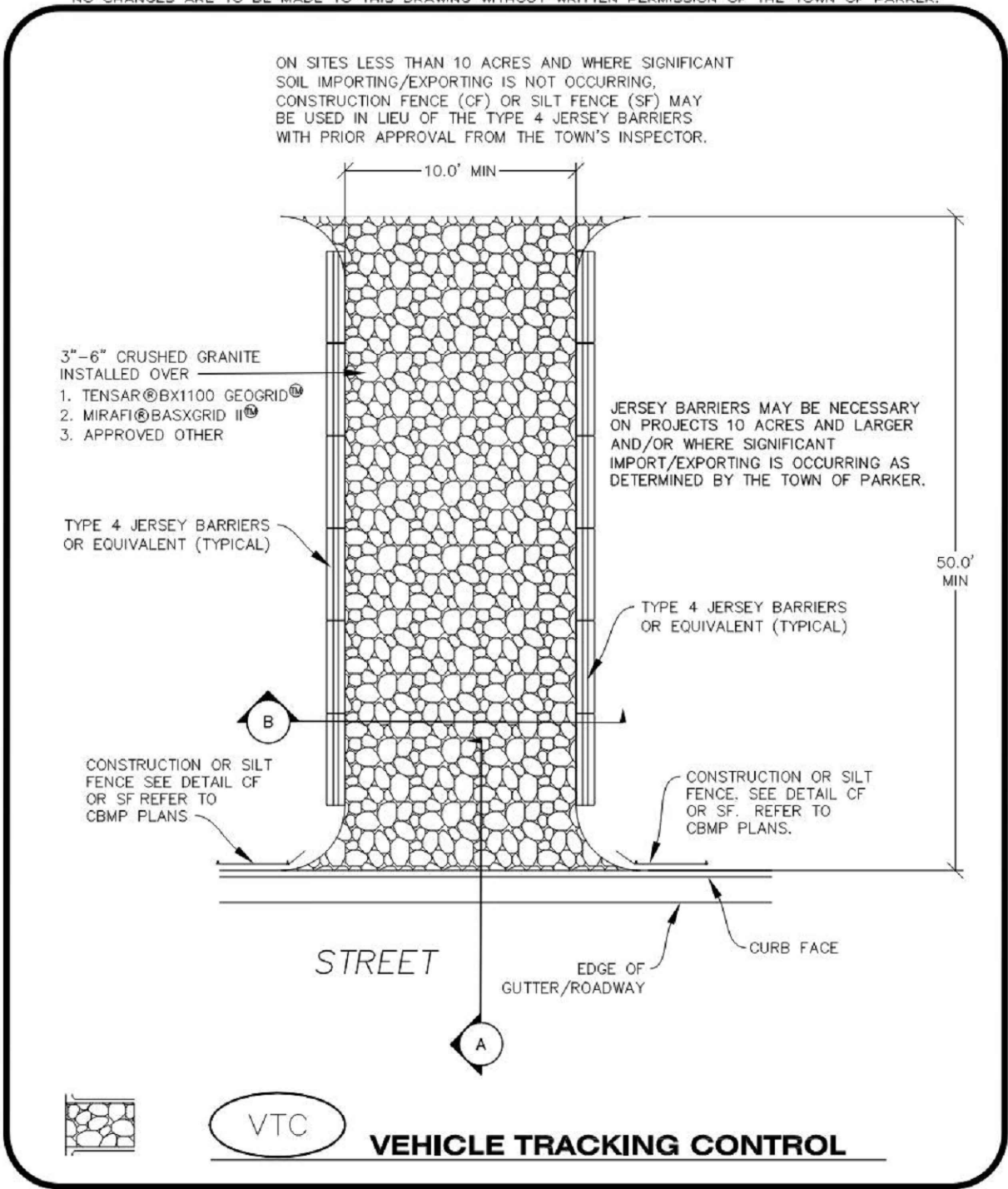
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1 OF 3
Oct. 2013



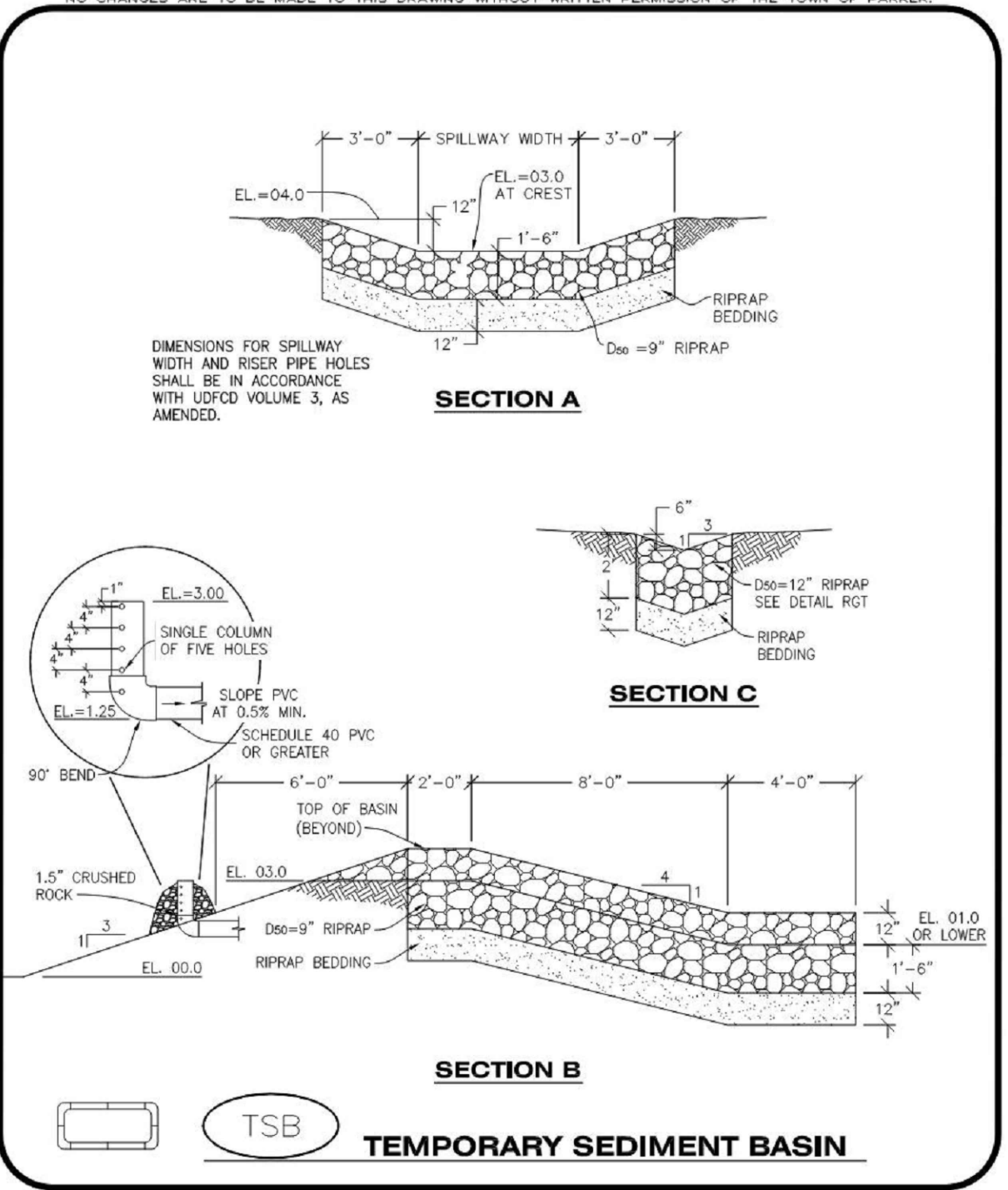
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3 OF 4
Oct. 2013



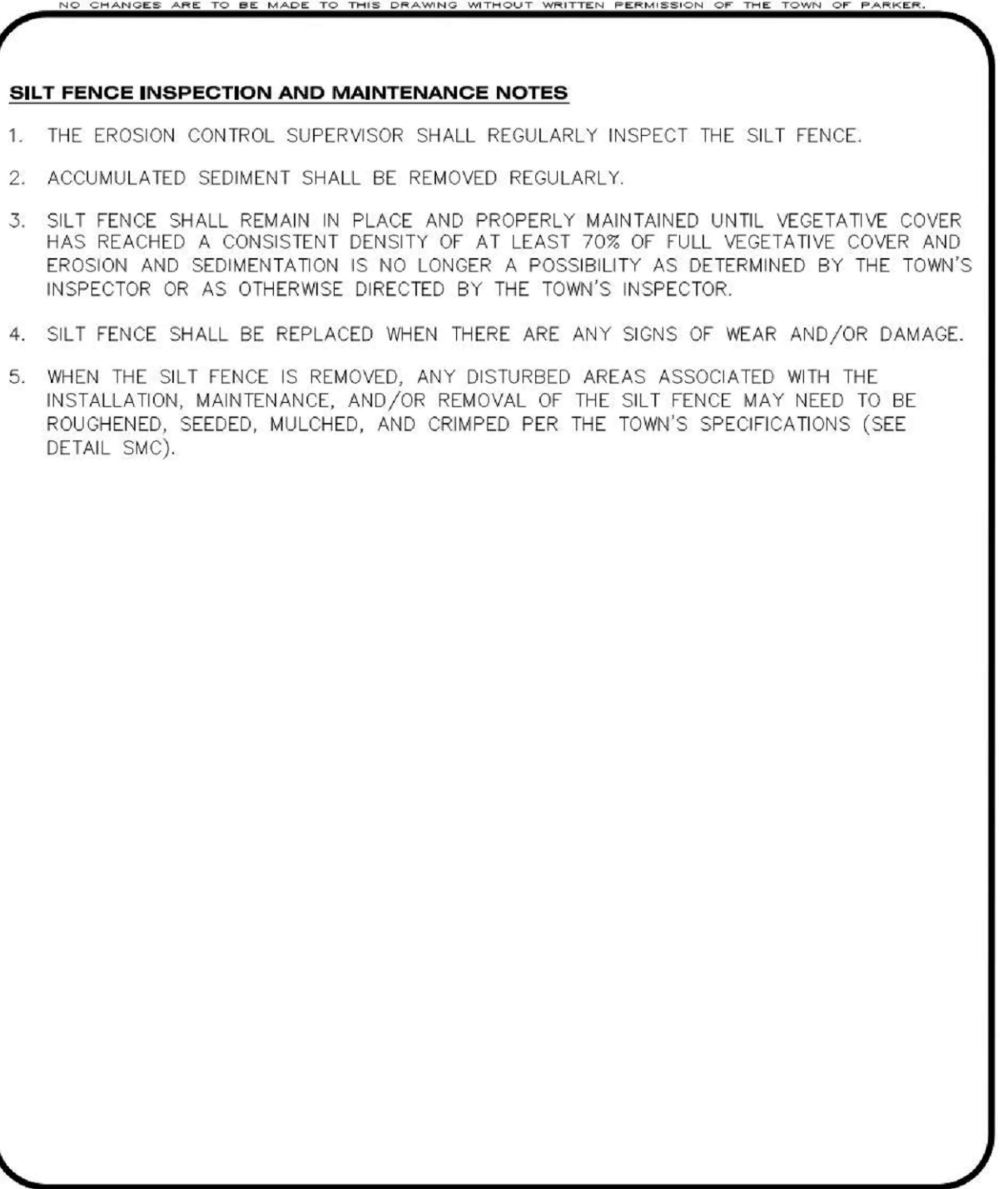
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3 OF 3
Oct. 2013



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1 OF 3
Oct. 2013



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2 OF 3
Oct. 2013



Parker COLORADO | **CONSTRUCTION BEST MANAGEMENT PRACTICES** | **SF**
4 OF 4
Oct. 2013

DATE	DESCRIPTION
06/03/2024	1ST TOWN SUBMITTAL
08/16/2024	2ND TOWN SUBMITTAL
10/10/2024	3RD TOWN SUBMITTAL

PROJECT: **ADVENTHEALTH PARKER EXPANSION**
PARKER, CO 80138

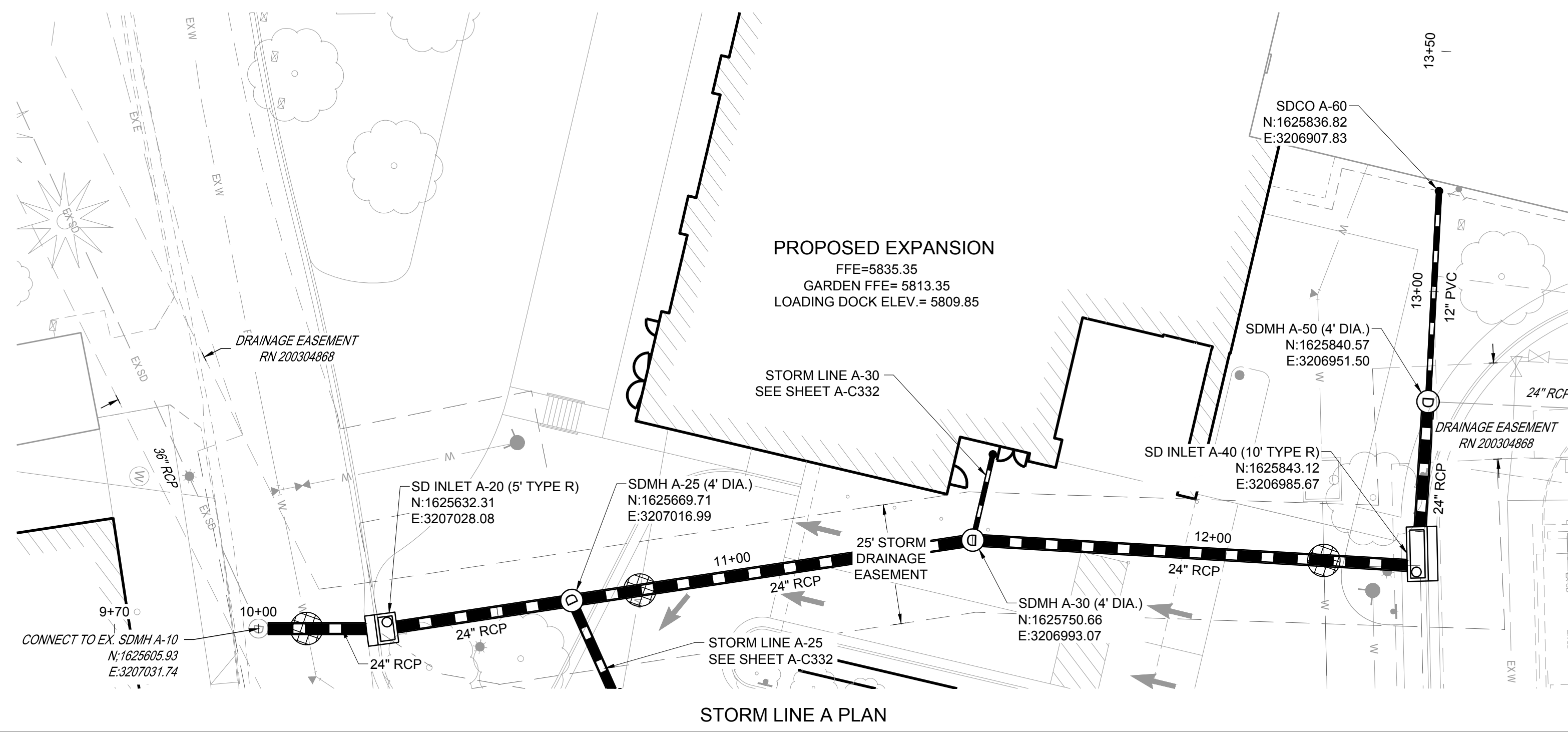
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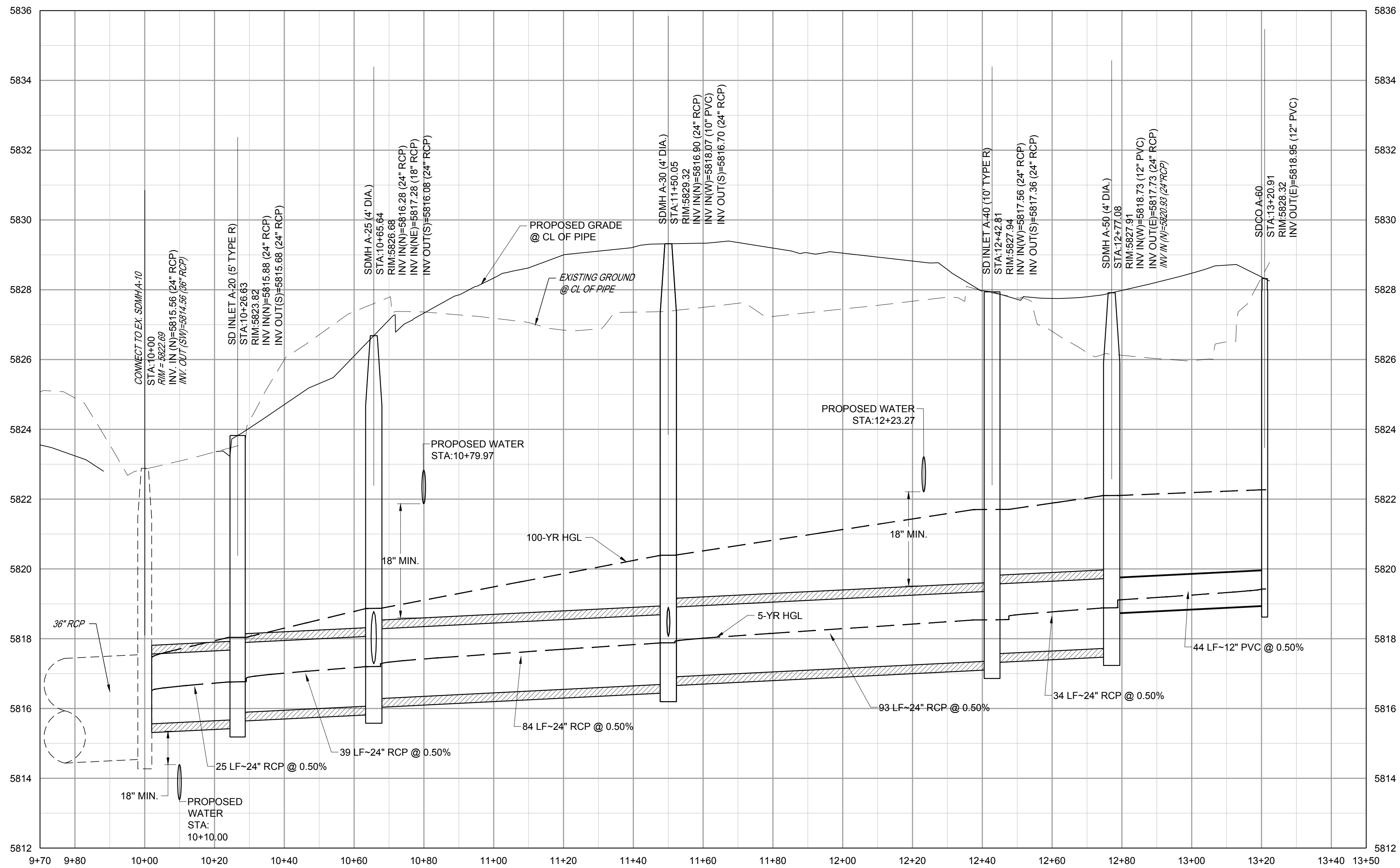
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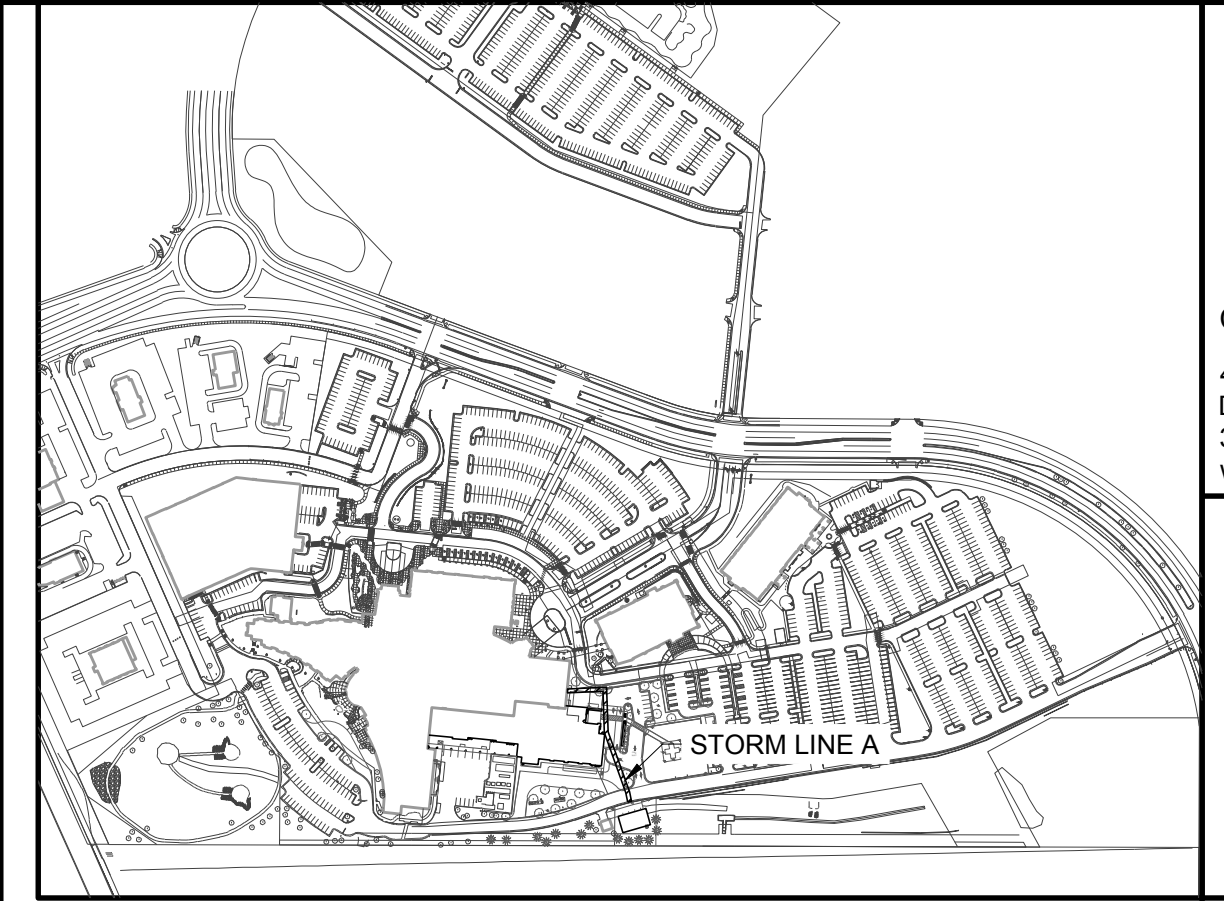
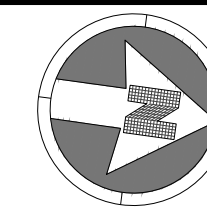


STORM LINE A PLAN

VERTICAL SCALE: 1"=2"
HORIZONTAL SCALE: 1"=20'



STORM LINE A PROFILE



KEYMAP
NTS



NOTES:

- SEE SHEET A-C001 FOR CIVIL NOTES AND LEGEND.
- ALL EXISTING DRY UTILITIES ARE ASSUMED TO BE 3' DEEP TO TOP OF PIPE.
- ALL EXISTING WATER LINES ARE ASSUMED TO BE 4.5' DEEP TO TOP OF PIPE.
- THE CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITY CROSSINGS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY POTENTIAL CONFLICTS IMMEDIATELY.
- SEE SHEETS A-C351-XXX FOR STORM DETAILS.

LEGEND:

UTILITY CROSSING



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10/10/2024	3RD TOWN SUBMITTAL

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PARKER, CO 80138**

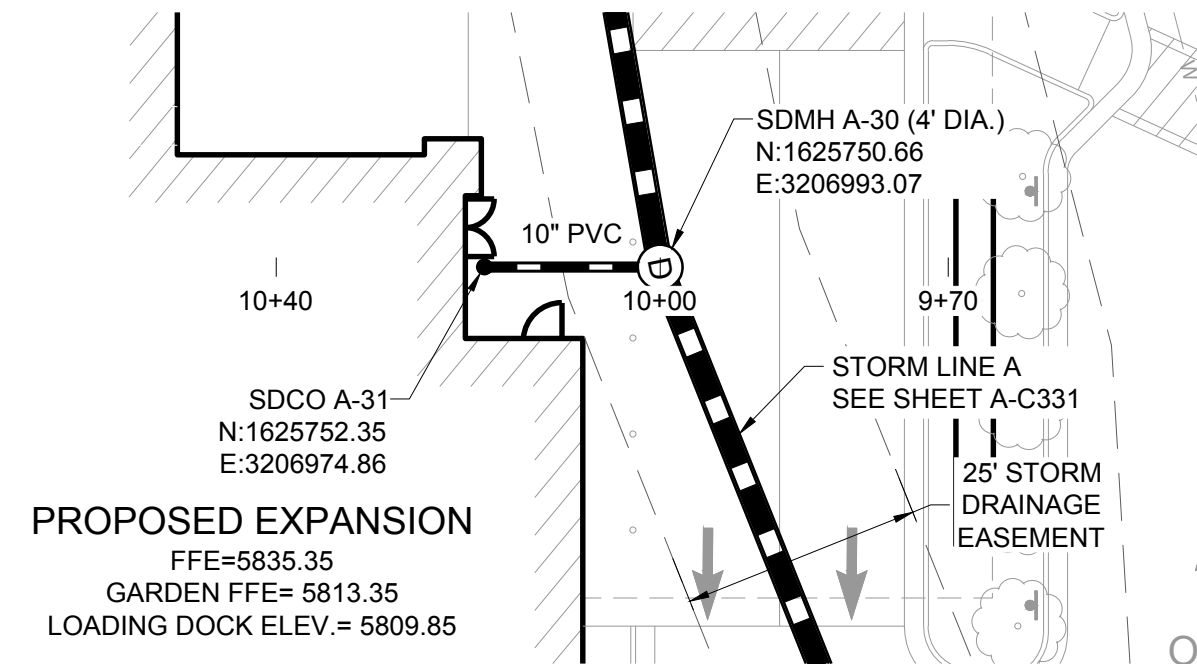
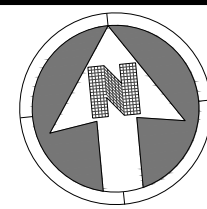
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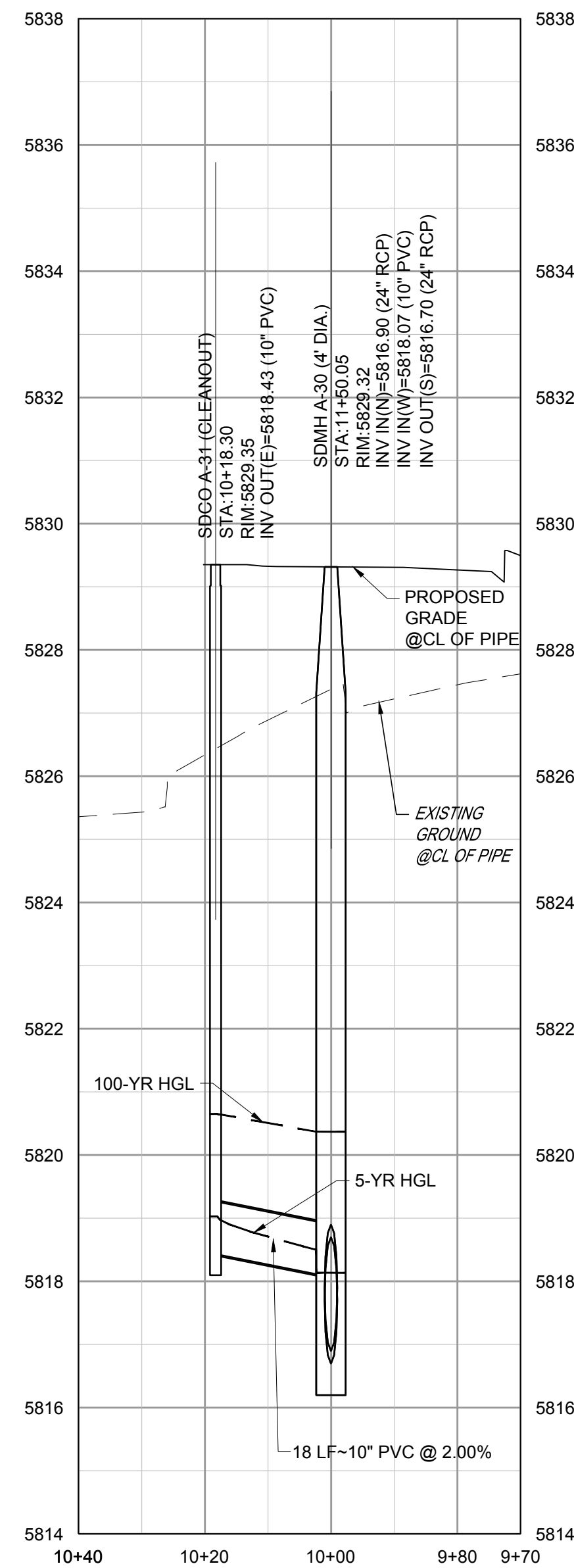
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DRAWN BY: EDS
CHECKED BY: MHV
MIRO JOB NO. 23079

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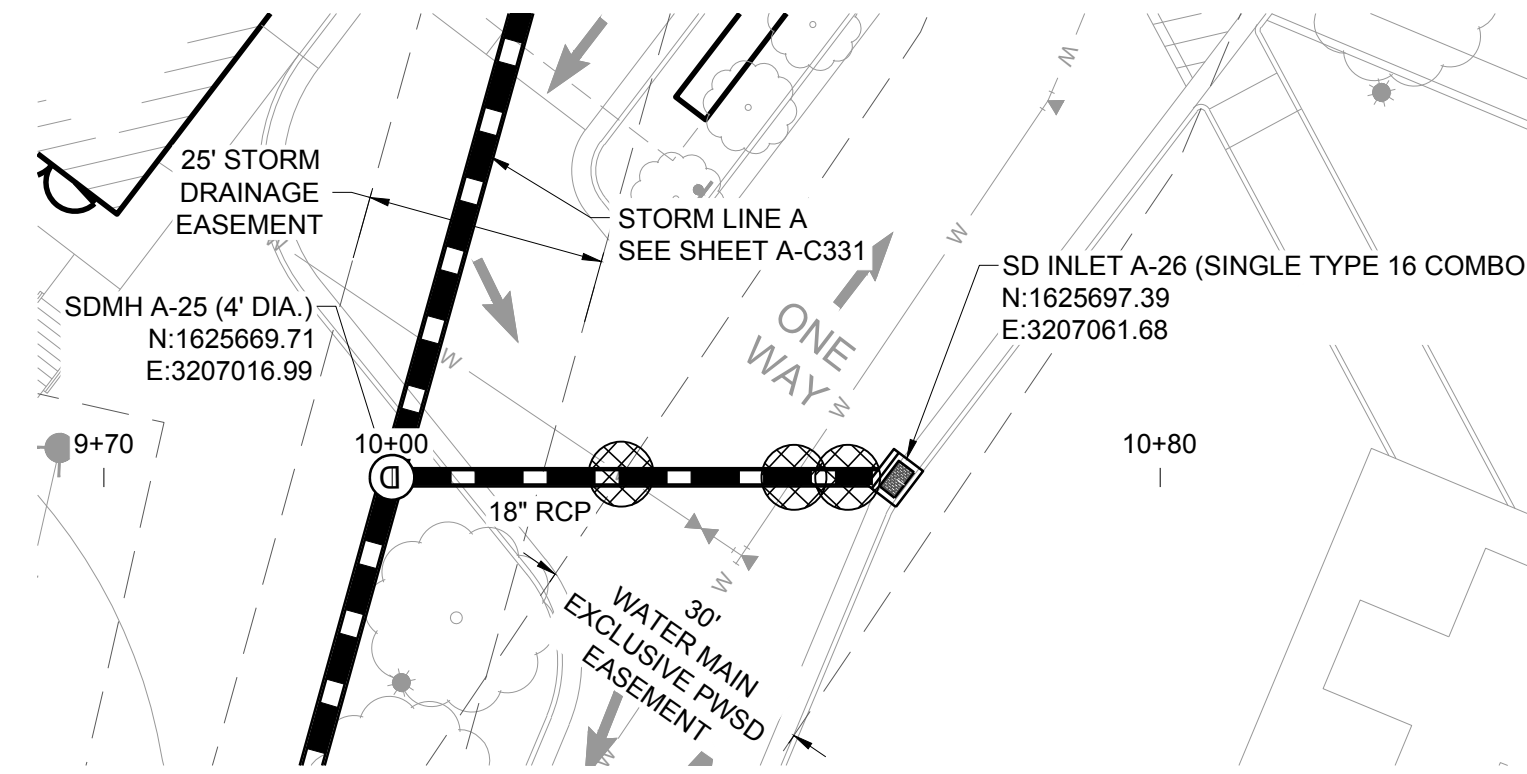
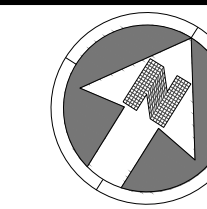


STORM LINE A-30 PLAN

VERTICAL SCALE: 1"=2'
HORIZONTAL SCALE: 1"=20'

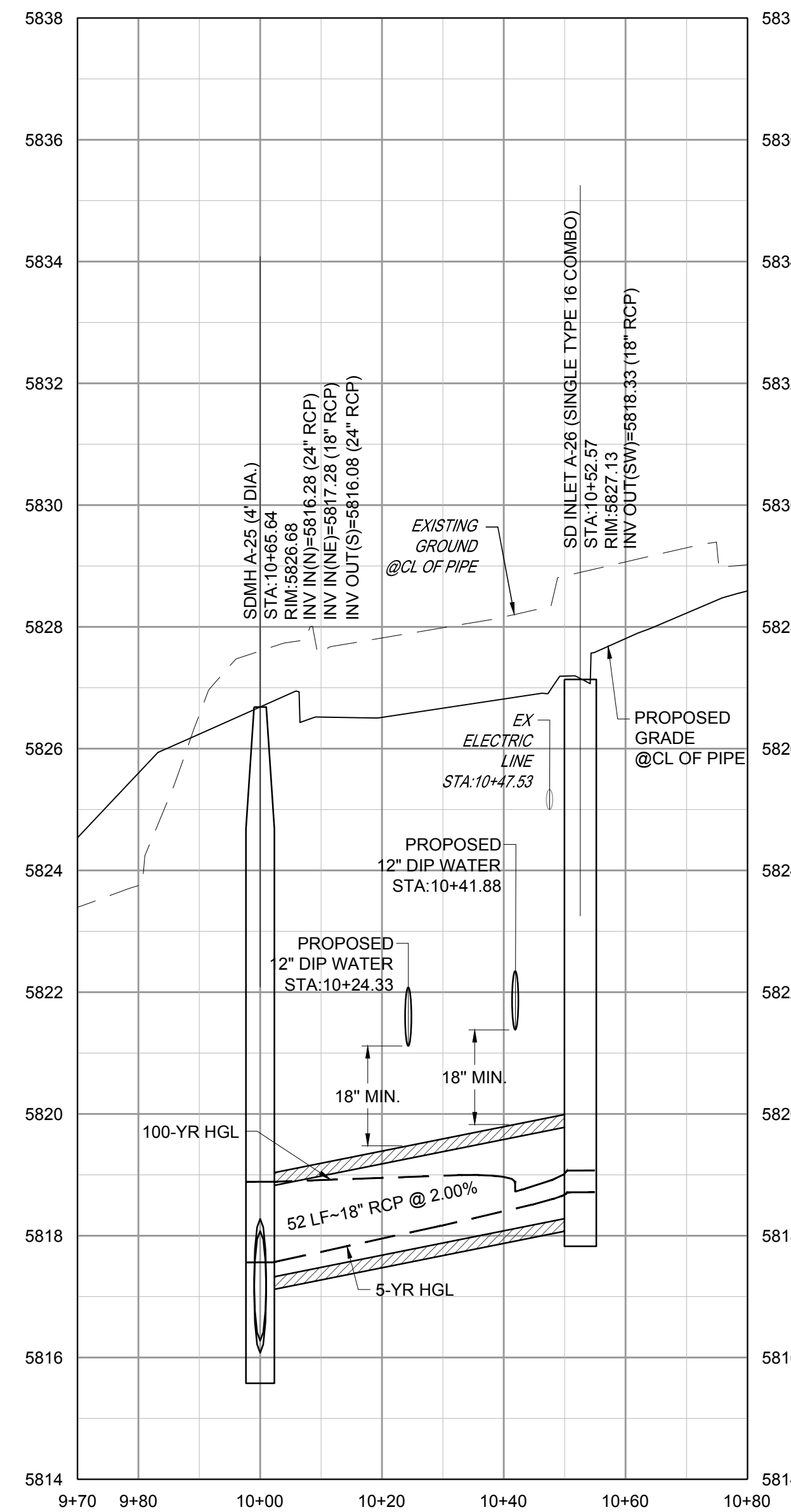


STORM LINE A-30 PROFILE

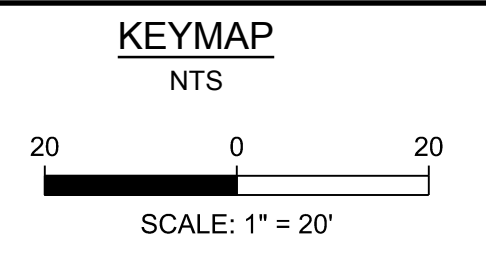
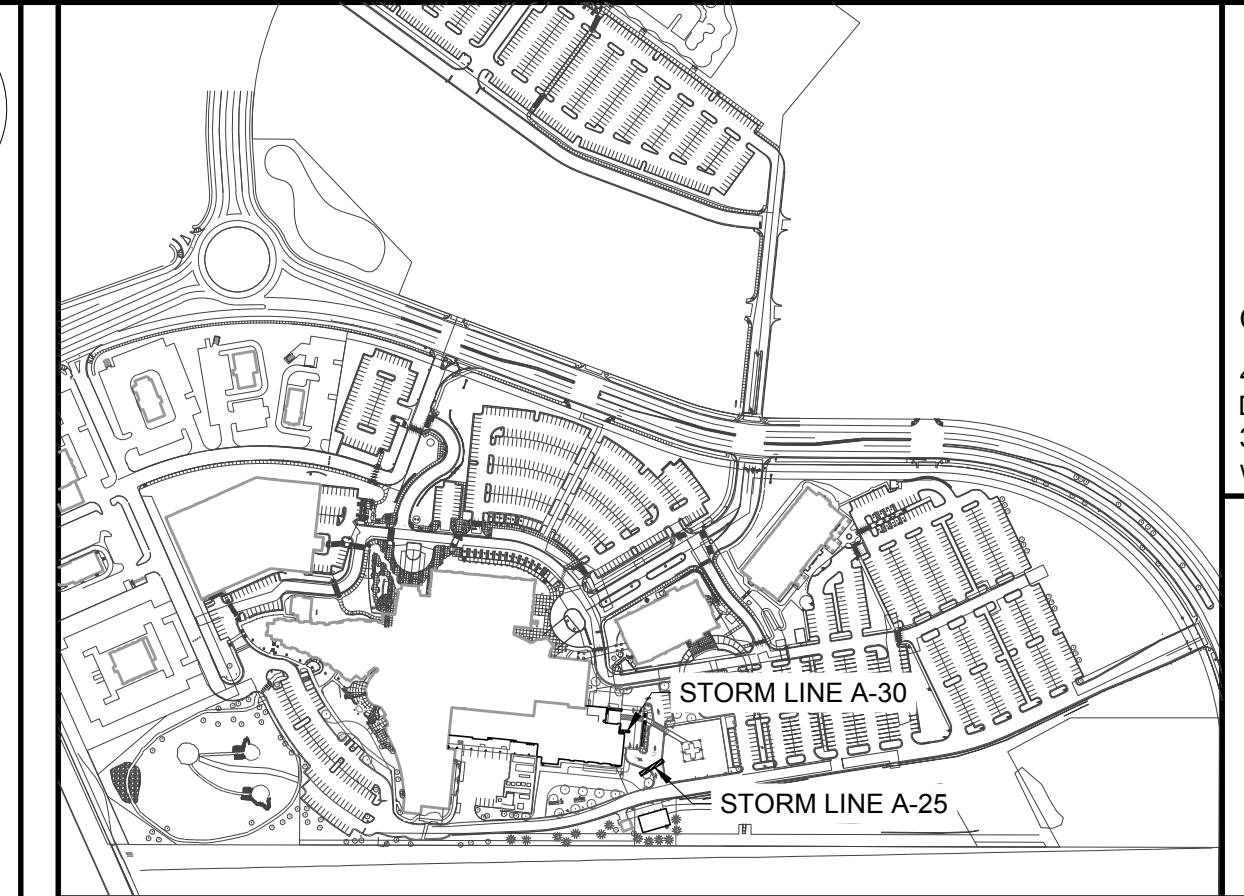


STORM LINE A-25 PLAN

VERTICAL SCALE: 1"=2'
HORIZONTAL SCALE: 1"=20'



STORM LINE A-25 PROFILE



- NOTES:
- SEE SHEET A-C001 FOR CIVIL NOTES AND LEGEND.
 - ALL EXISTING DRY UTILITIES ARE ASSUMED TO BE 3' DEEP TO TOP OF PIPE
 - ALL EXISTING WATER LINES ARE ASSUMED TO BE 4.5' DEEP TO TOP OF PIPE.
 - THE CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITY CROSSINGS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY POTENTIAL CONFLICTS IMMEDIATELY.
 - SEE SHEETS A-C351-XXX FOR STORM DETAILS.

LEGEND:

UTILITY CROSSING

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3	3RD TOWN SUBMITTAL	10/10/2024

PROJECT: **ADVENTHEALTH PARKER EXPANSION
PARKER, CO 80138**

DRAWING TITLE: **STORM PLAN AND PROFILE**

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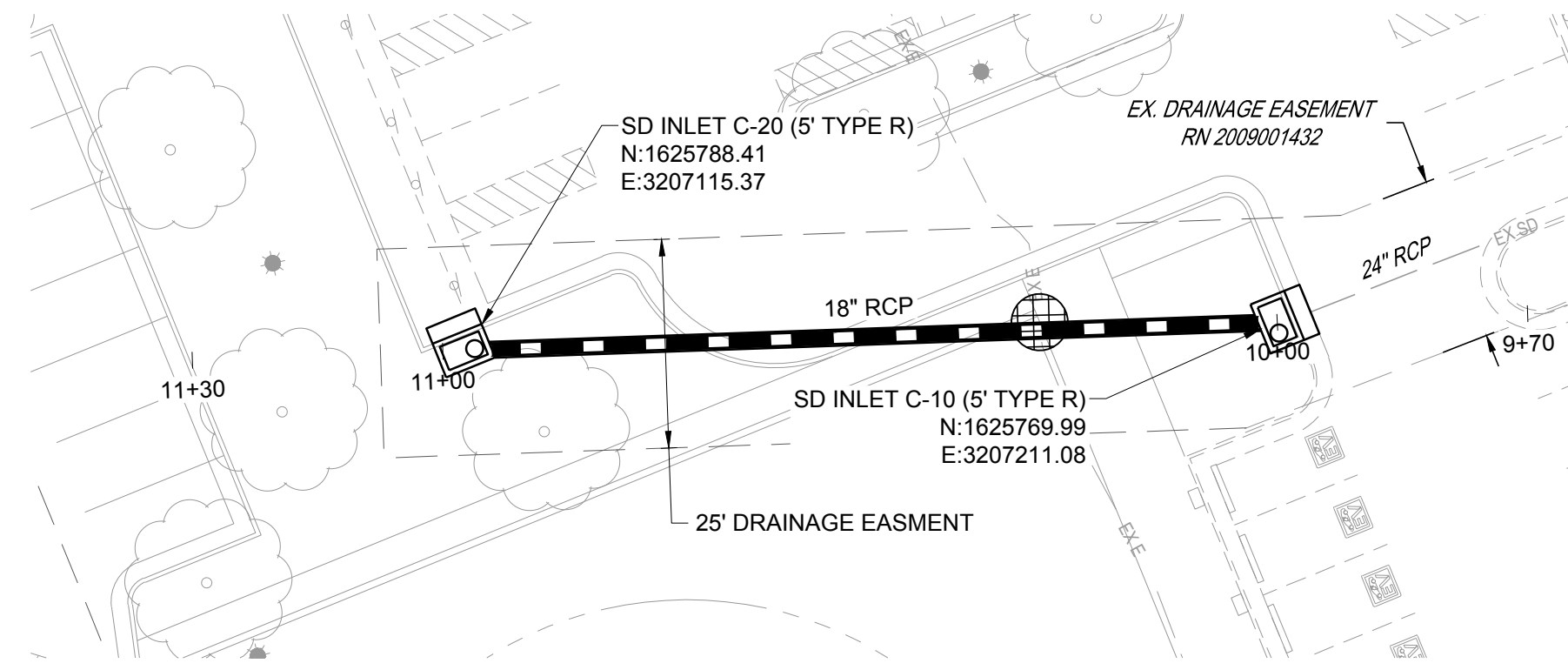
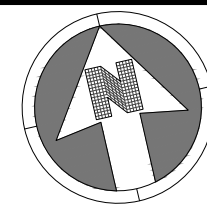
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DRAWN BY: E/DS

CHECKED BY: M/HV

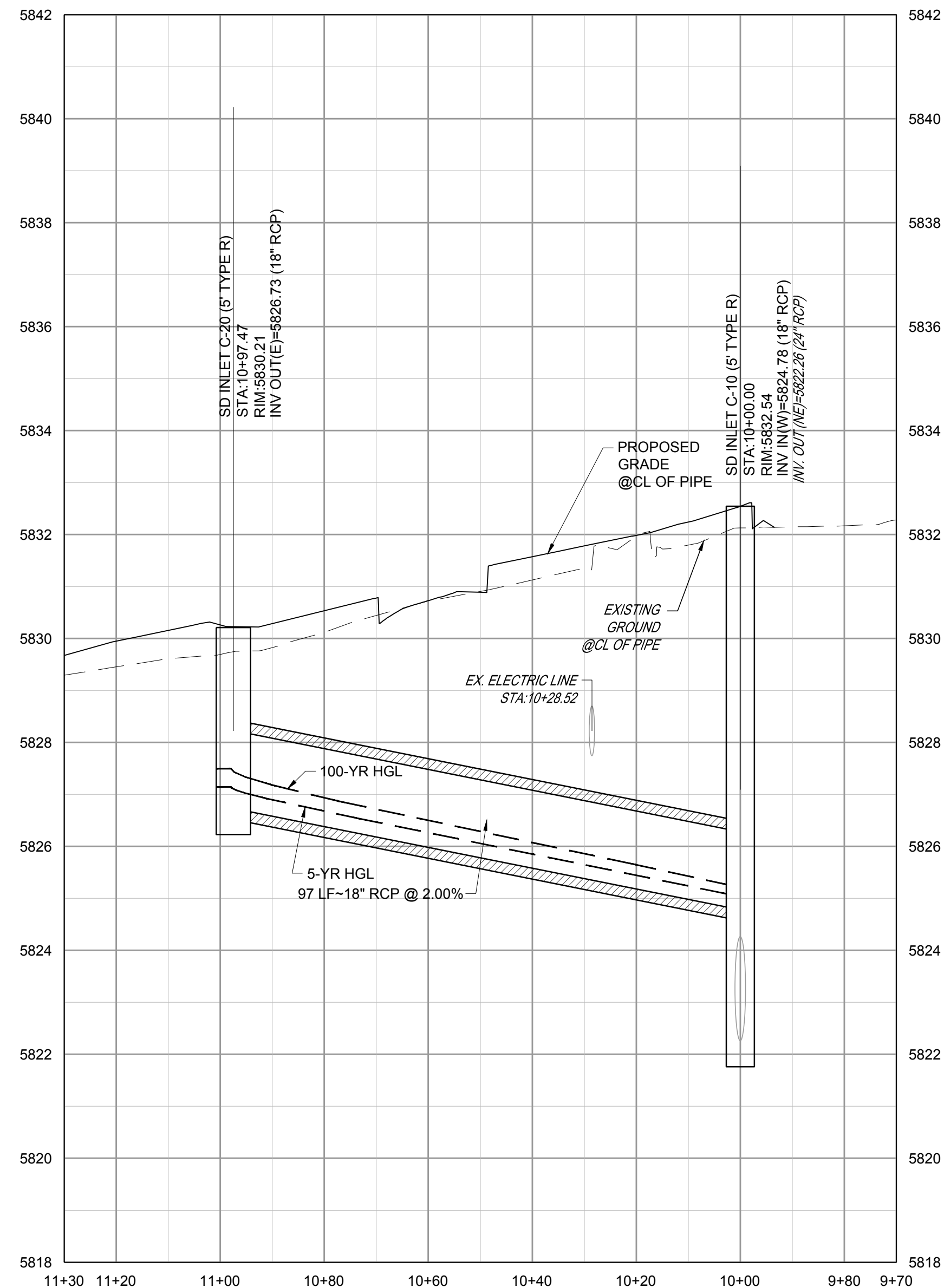
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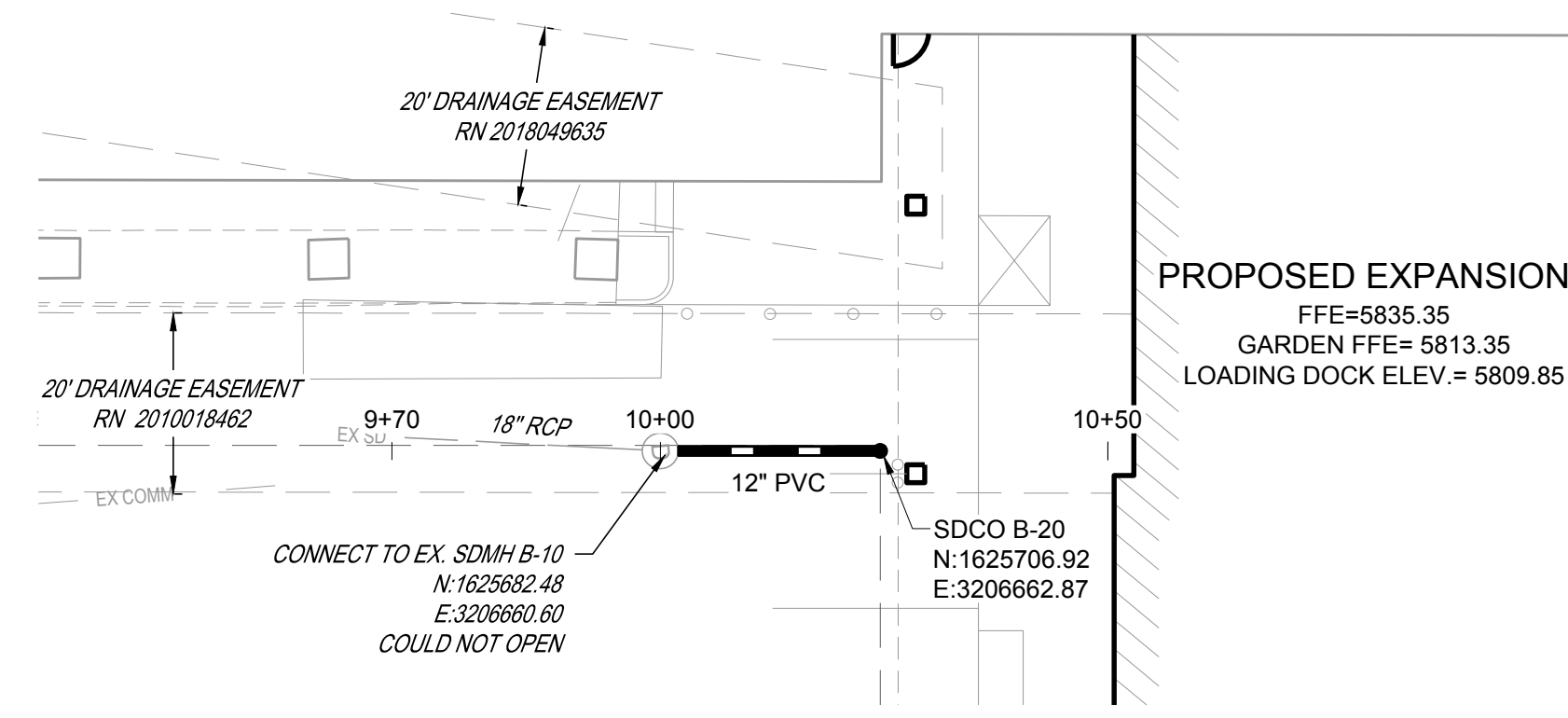
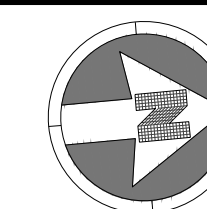


STORM LINE C PLAN

VERTICAL SCALE: 1"=2'
HORIZONTAL SCALE: 1"=20'

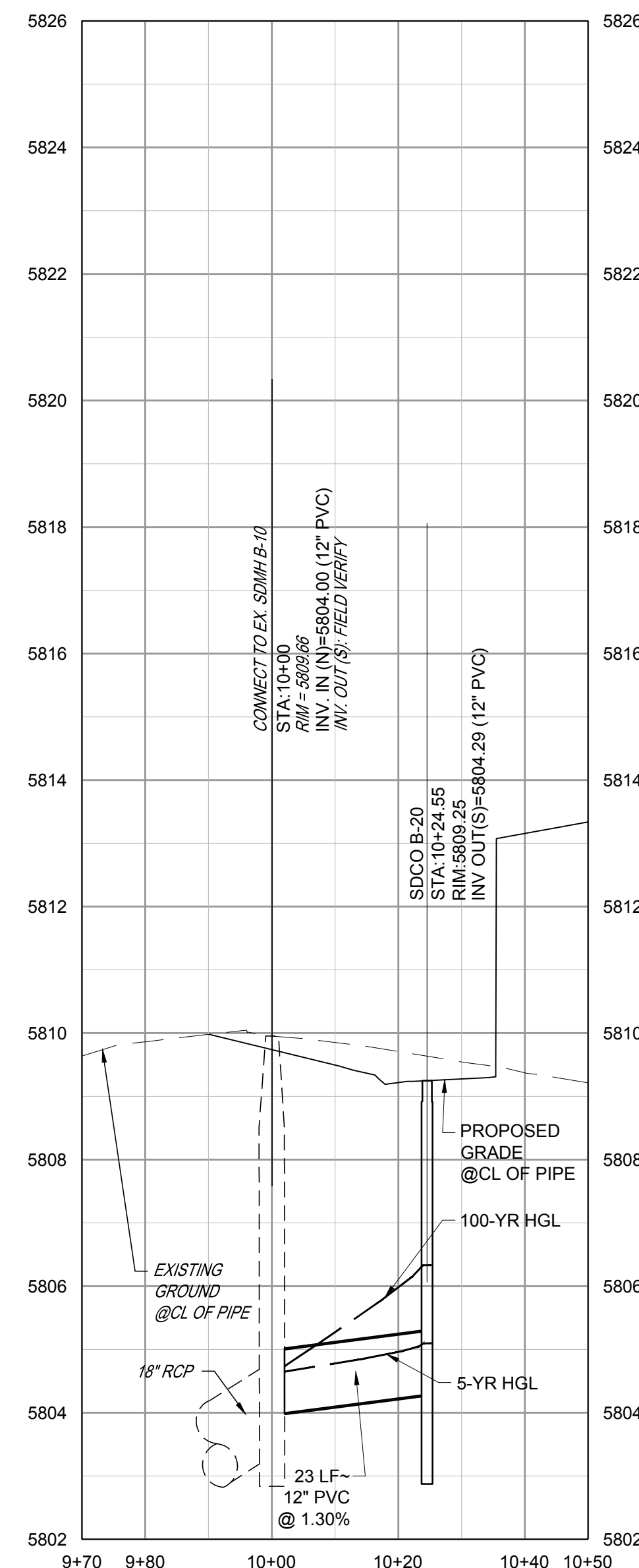


STORM LINE C PROFILE

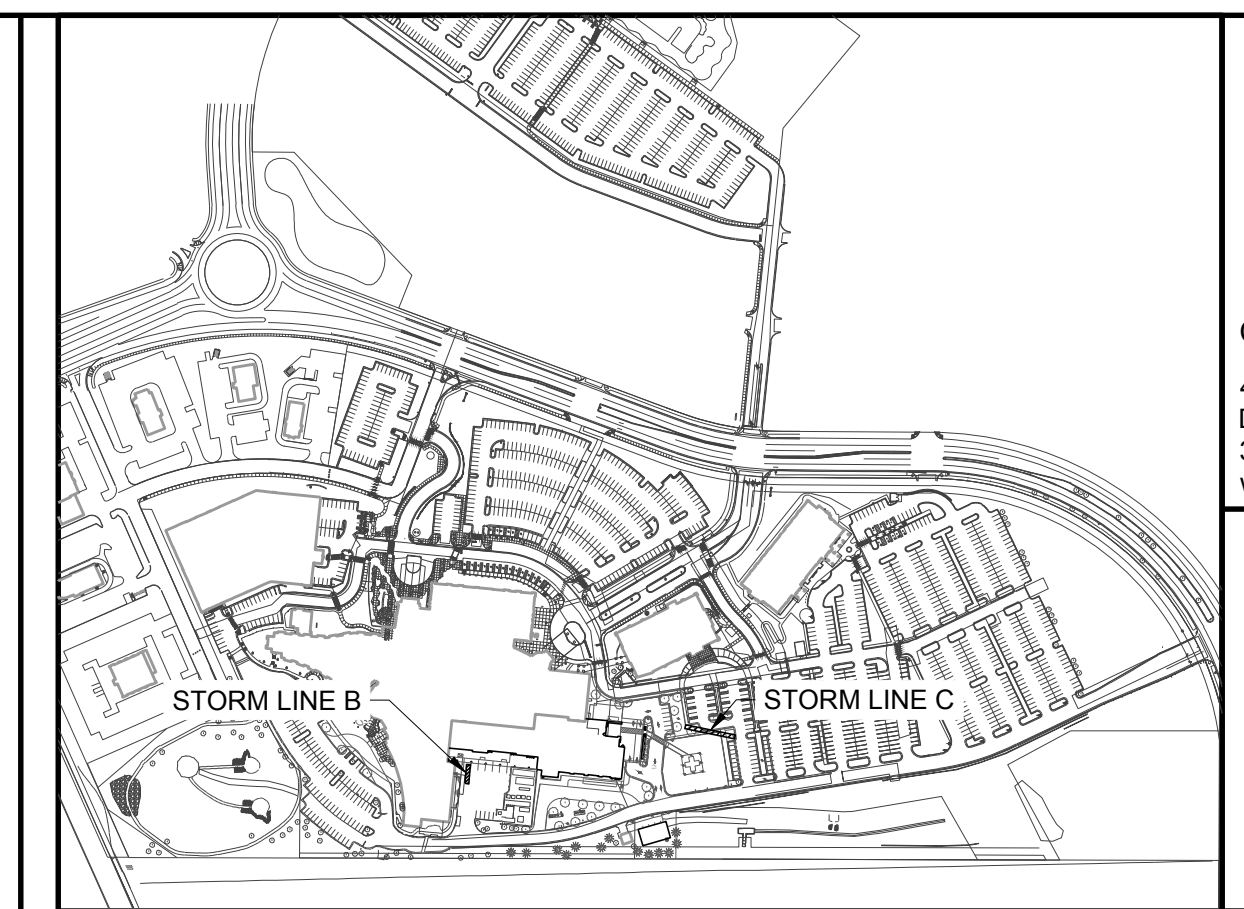


STORM LINE B PLAN

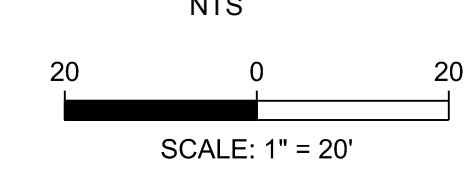
VERTICAL SCALE: 1"=2'
HORIZONTAL SCALE: 1"=20'



STORM LINE B PROFILE



KEYMAP



NOTES:

- SEE SHEET A-C001 FOR CIVIL NOTES AND LEGEND.
- ALL EXISTING DRY UTILITIES ARE ASSUMED TO BE 3' DEEP TO TOP OF PIPE.
- ALL EXISTING WATER LINES ARE ASSUMED TO BE 4.5' DEEP TO TOP OF PIPE.
- THE CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITY CROSSINGS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY POTENTIAL CONFLICTS IMMEDIATELY.
- SEE SHEETS A-C351-XXX FOR STORM DETAILS.

LEGEND:

UTILITY CROSSING

NO.	DESCRIPTION	DATE
1	1ST TOWN SUBMITTAL	06/03/2024
2	2ND TOWN SUBMITTAL	08/16/2024
3	3RD TOWN SUBMITTAL	10/10/2024

PROJECT: **ADVENTHEALTH PARKER EXPANSION
PARKER, CO 80138**

DRAWING TITLE: **STORM PLAN AND PROFILE**

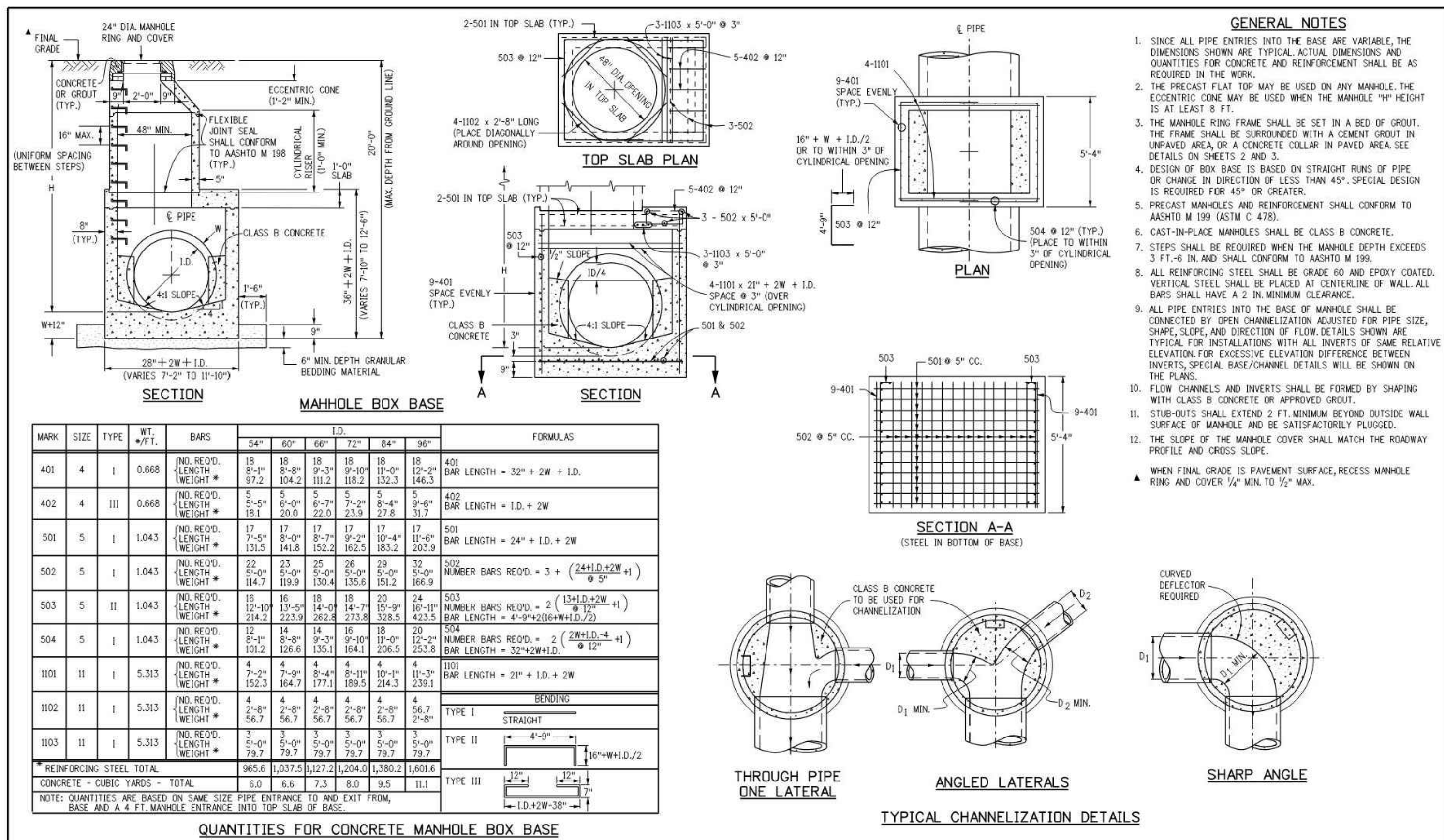
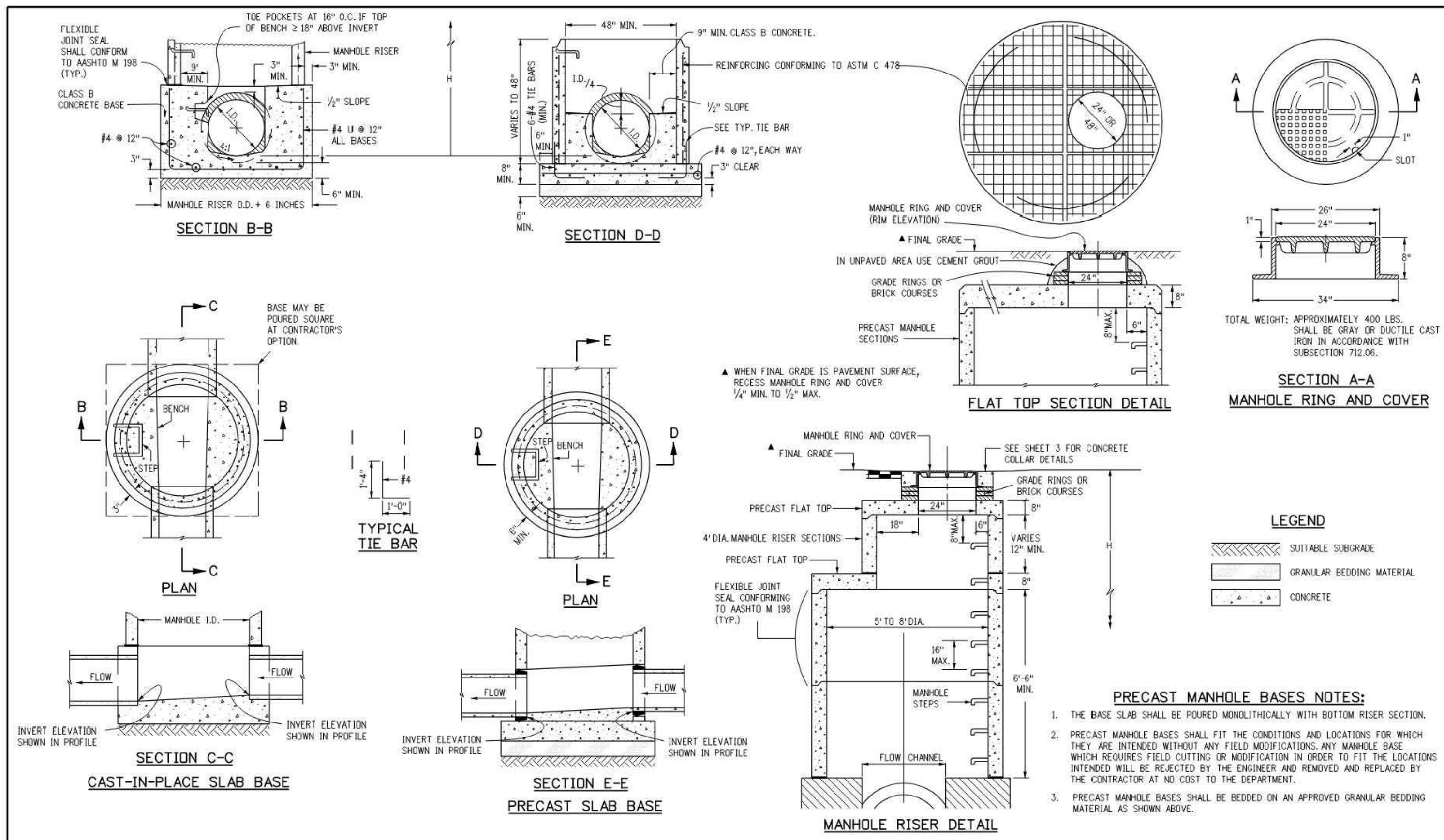
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DESIGNED BY: RJH
DRAWN BY: EDS
CHECKED BY: MHV
MIRO JOB NO. 23079

DRAWING NUMBER:

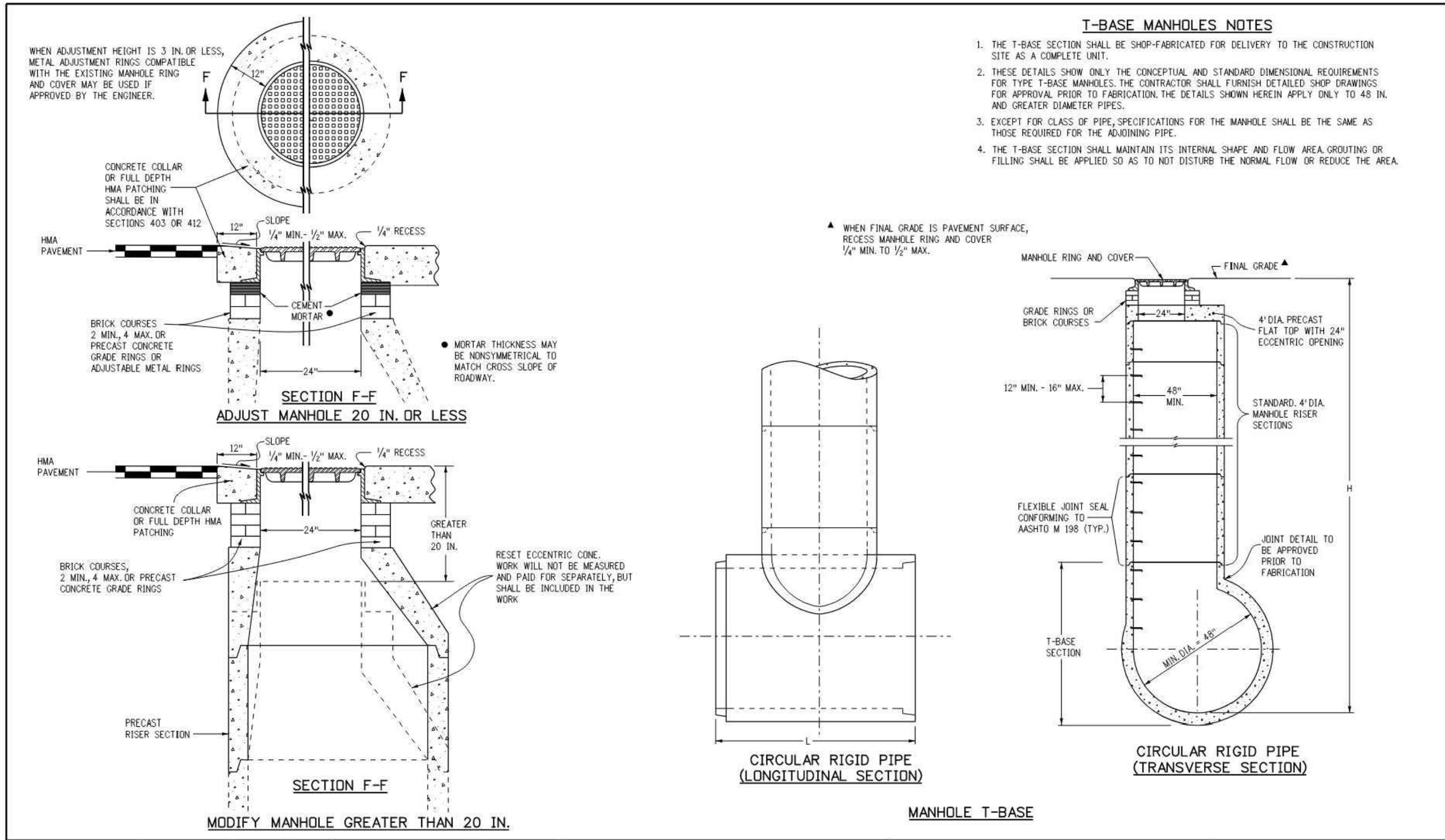
A-C333



Computer File Information		Sheet Revisions		Colorado Department of Transportation		MANHOLES		STANDARD PLAN NO.	
Creation Date: 07/31/19		Date: _____		2829 West Howard Place		M-604-20		M-604-20	
Designer Initials: JBK		Comments: _____		CDOT HQ, 3rd Floor		Standard Sheet No. 2 of 3		Standard Sheet No. 2 of 3	
Last Modification Date: 07/31/19				Denver, CO 80204		Project Sheet Number: _____		Project Sheet Number: _____	
Detailer Initials: LTA				Phone: 303-757-9021 FAX: 303-757-9868					
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English				Project Development Branch		JBK		Project Development Branch	

Computer File Information		Sheet Revisions		Colorado Department of Transportation		MANHOLES		STANDARD PLAN NO.	
Creation Date: 07/31/19		Date: _____		2829 West Howard Place		M-604-20		M-604-20	
Designer Initials: JBK		Comments: _____		CDOT HQ, 3rd Floor		Standard Sheet No. 1 of 3		Standard Sheet No. 1 of 3	
Last Modification Date: 07/31/19				Denver, CO 80204		Project Sheet Number: _____		Project Sheet Number: _____	
Detailer Initials: LTA				Phone: 303-757-9021 FAX: 303-757-9868					
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English				Project Development Branch		JBK		Project Development Branch	

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Computer File Information		Sheet Revisions		Colorado Department of Transportation		MANHOLES		STANDARD PLAN NO.	
Creation Date: 07/31/19		Date: _____		2829 West Howard Place		M-604-20		M-604-20	
Designer Initials: JBK		Comments: _____		CDOT HQ, 3rd Floor		Standard Sheet No. 3 of 3		Standard Sheet No. 3 of 3	
Last Modification Date: 07/31/19				Denver, CO 80204		Project Sheet Number: _____		Project Sheet Number: _____	
Detailer Initials: LTA				Phone: 303-757-9021 FAX: 303-757-9868					
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English				Project Development Branch		JBK		Project Development Branch	

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DATE	DESCRIPTION
06/03/2024	1ST TOWN SUBMITTAL
08/16/2024	2ND TOWN SUBMITTAL
10/10/2024	3RD TOWN SUBMITTAL

ADVENTHEALTH PARKER EXPANSION
PARKER, CO 80138

STORM DETAILS

PROJECT: _____
DRAWING TITLE: _____
FILE PATH: C:\Users\ghj\OneDrive\Documents\S. A. Miro, Inc.\Civil\Jobs\23079 AHP Expansion\05 CAD\Plans and Details\C351 - 10/9/2024



THE TOWN OF PARKER REVIEW CONSTITUTES GENERAL COMPLIANCE WITH TOWN'S STANDARDS AND APPROVED VARIANCES, SUBJECT TO THESE PLANS BEING STAMPED, SIGNED, AND DATED BY THE PROFESSIONAL ENGINEER OF RECORD. REVIEW BY THE TOWN DOES NOT CONSTITUTE APPROVAL OF THE PLAN DESIGN OR ACCURACY AND CORRECTNESS OF ENGINEERING CALCULATIONS. ERRORS IN THE DESIGN OR CALCULATIONS REMAIN THE RESPONSIBILITY OF THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE ARE AFFIXED TO THIS DOCUMENT.

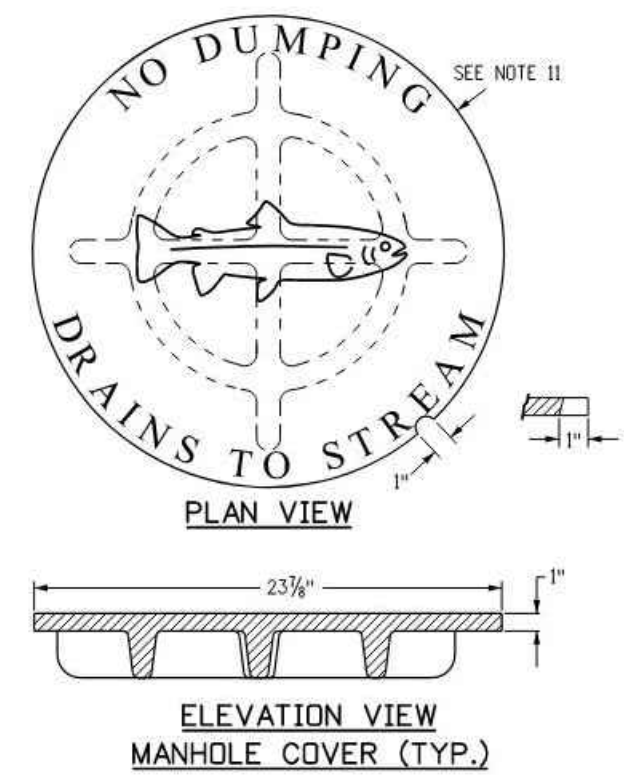
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DESIGNED BY:	RJH
DRAWN BY:	EDS
CHECKED BY:	MHV
MIRO JOB NO.	23079
DRAWING NUMBER:	

A-C351

NO.	DATE	DESCRIPTION
1	06/03/2024	1ST TOWN SUBMITTAL
2	08/16/2024	2ND TOWN SUBMITTAL
3	10/10/2024	3RD TOWN SUBMITTAL

MARK	BAR #	O.C. SPACING	TYPE	INLETS: H ≤ 5 FT.				INLETS: H > 5 FT.			
				L = 5 FT.	L = 10 FT.	L = 15 FT.	L = 10 FT.	L = 15 FT.	L = 15 FT.		
NO. REVD.	LENGTH	NO. REVD.	LENGTH	NO. REVD.	LENGTH	NO. REVD.	LENGTH	NO. REVD.	LENGTH	NO. REVD.	LENGTH
401	4	11"	II	15	21	21	26	11	11	7	7
402	4	11"	II	7	11	11	18	7	7	7	7
403	4	9"	II	7	4'-0"	7	4'-0"	7	4'-0"	7	4'-0"
405	4	6"	VI	11	6'-10"	21	6'-10"	11	6'-10"	11	6'-10"
406	4	6"	VIII	7	6'-10"	7	10'-10"	7	6'-10"	7	8'-10"
407	4	9"	II	7	5'-10"	7	10'-10"	7	5'-10"	7	5'-10"
408	4	12"	II	3	6'-10"	3	11'-10"	3	11'-10"	3	16'-0"
409	4	8"	II	6	5'-10"	6	10'-10"	6	10'-10"	6	15'-10"
410	4	11"	VII	11	5'-10"	11	10'-10"	11	5'-10"	11	10'-10"
411	4	11"	II	7	5'-10"	7	10'-10"	7	5'-10"	7	10'-10"
412	4	11"	II	7	5'-10"	7	10'-10"	7	5'-10"	7	10'-10"
413	4	9"	II	7	5'-10"	7	10'-10"	7	5'-10"	7	10'-10"
501	5	5/8"	IV	11	3'-4"	22	3'-4"	33	3'-4"	22	3'-4"
502	5	5/8"	III	11	3'-4"	22	3'-4"	33	3'-4"	22	3'-4"
503	5	5/8"	II	5	3'-6"	16	3'-6"	27	3'-6"	6	3'-6"
504	5	5/8"	IX	5	3'-6"	16	3'-6"	27	3'-6"	6	3'-6"
601	6	2 1/2"	V	2	8'-10"	2	8'-10"	2	8'-10"	2	8'-10"



- GENERAL NOTES**
- CONCRETE SHALL BE CLASS B INLET MAY BE CAST-IN-PLACE OR PRECAST.
 - CONCRETE WALLS SHALL BE FORMED ON BOTH SIDES AND SHALL BE 8 INCHES THICK.
 - INLET STEPS SHALL BE IN CONFORMANCE WITH AASHTO M 193.
 - CURB FACE ASSEMBLY SHALL BE GALVANIZED AFTER WELDING.
 - EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 3/4 OF AN INCH. CURB AND GUTTER CORNERS SHALL BE FINISHED TO MATCH THE EXISTING CURB AND GUTTER BEYOND THE TRANSITION GUTTER.
 - REINFORCING BARS SHALL BE DEFORMED AND SHALL HAVE A 2 INCH MINIMUM CLEARANCE. ALL REINFORCING BARS SHALL BE GRADE 60 AND EPOXY COATED.
 - DIMENSIONS AND WEIGHTS OF TYPICAL MANHOLE RING AND COVER ARE NOMINAL.
 - MATERIAL FOR MANHOLE RINGS AND COVERS SHALL BE GRAY OR DUCTILE CAST IRON IN ACCORDANCE WITH SUBSECTION 712.06.
 - SINCE PIPE ENTRIES INTO THE INLET ARE VARIABLE, THE DIMENSIONS SHOWN ARE TYPICAL. ACTUAL DIMENSIONS AND QUANTITIES FOR CONCRETE AND REINFORCEMENT SHALL BE AS REQUIRED IN THE WORK. QUANTITIES INCLUDE VOLUMES OCCUPIED BY PIPES.
 - STRUCTURAL STEEL SHALL BE GALVANIZED AND SHALL BE IN ACCORDANCE WITH SUBSECTION 712.06.
 - ALL MANHOLE COVERS SHALL BE CAST WITH A "NO DUMPING DRAINS TO STREAM" MESSAGE AND A FISH SYMBOL. THE SURFACE OF THE MANHOLE COVER SHALL HAVE A NON-SLIP PATTERN.

TABLE ONE ~ BAR LIST FOR CURB INLETS, TYPE "R"

"H"	LENGTH	NO. REVD.		L = 5 FT.		L = 10 FT.		L = 15 FT.		
		REGULAR	DROP BOX	CONC. STEEL (CU. YDS.)	STEEL (LBS.)	CONC. STEEL (CU. YDS.)	STEEL (LBS.)	CONC. STEEL (CU. YDS.)	STEEL (LBS.)	
3'-0"	2'-8"	1-8"	10	7	3.2	285	5.3	497	7.4	706
3'-0"	3'-2"	2'-2"	10	7	3.4	305	5.7	528	7.9	747
4'-0"	3'-8"	2'-8"	12	9	3.7	326	6.0	559	8.4	786
4'-0"	4'-2"	3'-2"	12	9	3.9	334	6.4	571	8.8	803
5'-0"	4'-8"	3'-8"	14	11	4.1	354	6.7	602	9.3	844
5'-0"	5'-2"	4'-2"	16	13	4.4	375	7.0	627	9.7	859
6'-0"	5'-8"	4'-8"	16	13	4.6	382	7.2	636	9.9	869
6'-0"	6'-2"	5'-2"	18	15	4.8	402	7.4	657	10.1	880
7'-0"	6'-8"	5'-8"	20	17	5.0	423	7.6	678	10.3	897
7'-0"	7'-2"	6'-2"	20	17	5.2	430	7.8	694	10.5	907
8'-0"	7'-8"	6'-8"	22	19	5.5	451	8.1	715	10.8	927
8'-0"	8'-2"	7'-2"	24	21	5.7	471	8.3	737	11.1	944
9'-0"	8'-8"	7'-8"	24	21	6.0	479	8.6	749	11.4	954
9'-0"	9'-2"	8'-2"	26	23	6.2	489	8.8	772	11.7	974
10'-0"	9'-8"	8'-8"	28	25	6.4	509	9.1	794	12.0	992
10'-0"	10'-2"	9'-2"	28	25	6.7	527	9.3	815	12.3	1001
11'-0"	10'-8"	9'-8"	30	27	7.0	547	9.5	837	12.6	1022

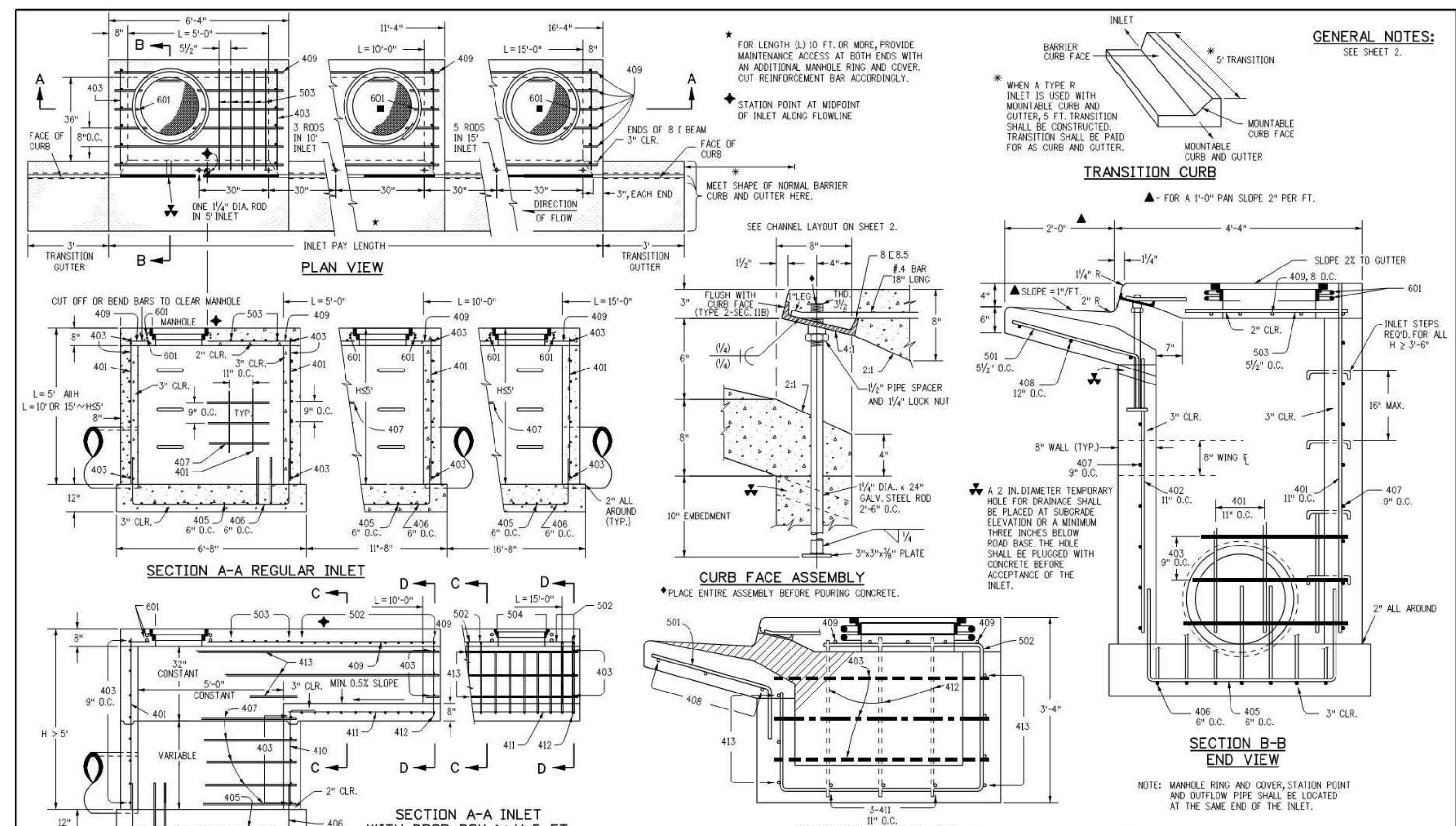
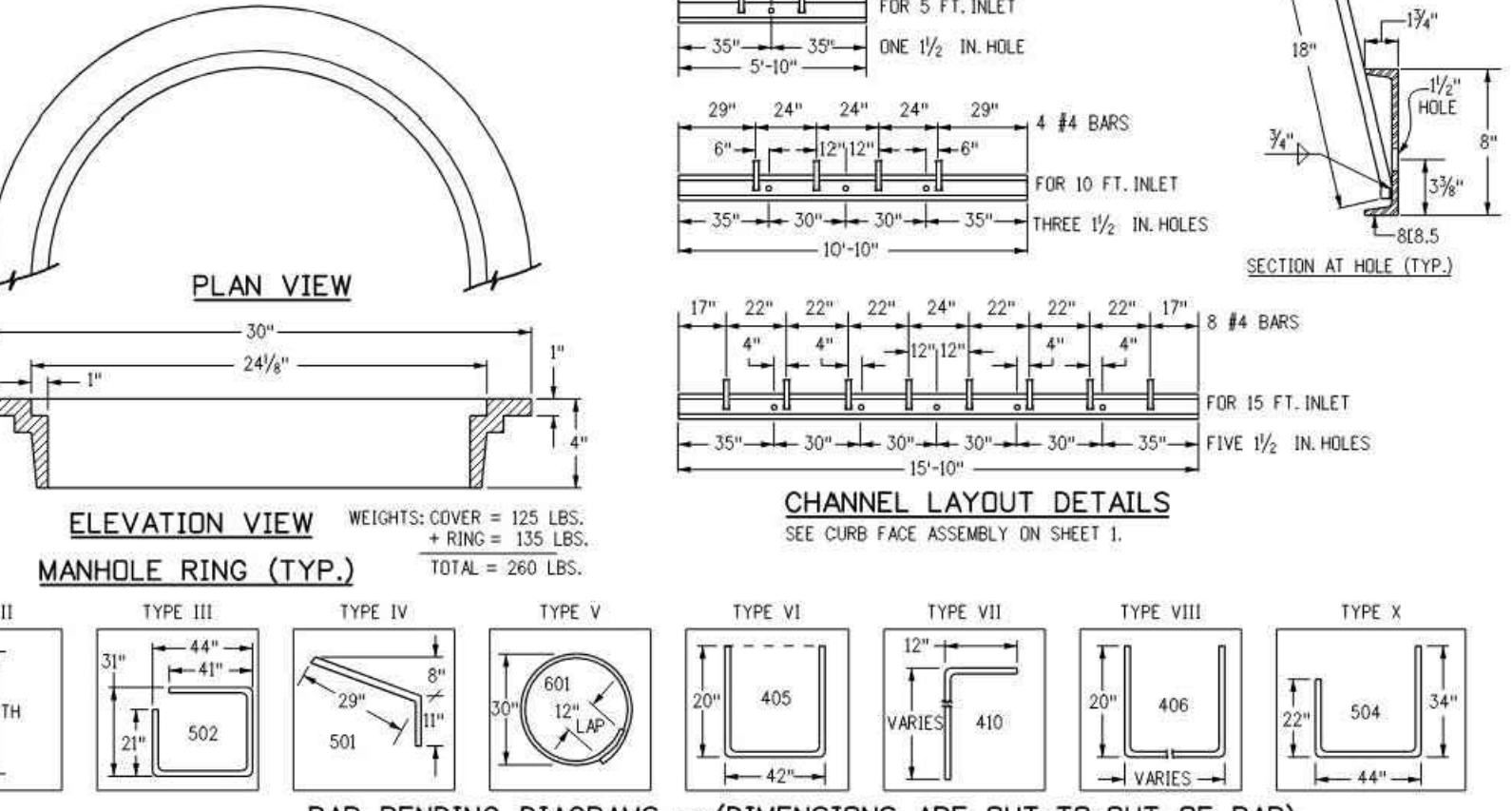


TABLE TWO ~ BARS AND QUANTITIES VARIABLE WITH "H"

Computer File Information	Sheet Revisions
Creation Date: 07/31/19	Date: _____
Designer Initials: JBK	Comments: _____
Last Modification Date: 07/31/19	
Detailer Initials: LTA	
CAD Ver: MicroStation V8 Scale: Not to Scale Units: English	

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Phone: 303-757-9021 FAX: 303-757-9868
Project Development Branch JBK

CURB INLET TYPE R

STANDARD PLAN NO. M-604-12
Standard Sheet No. 2 of 2

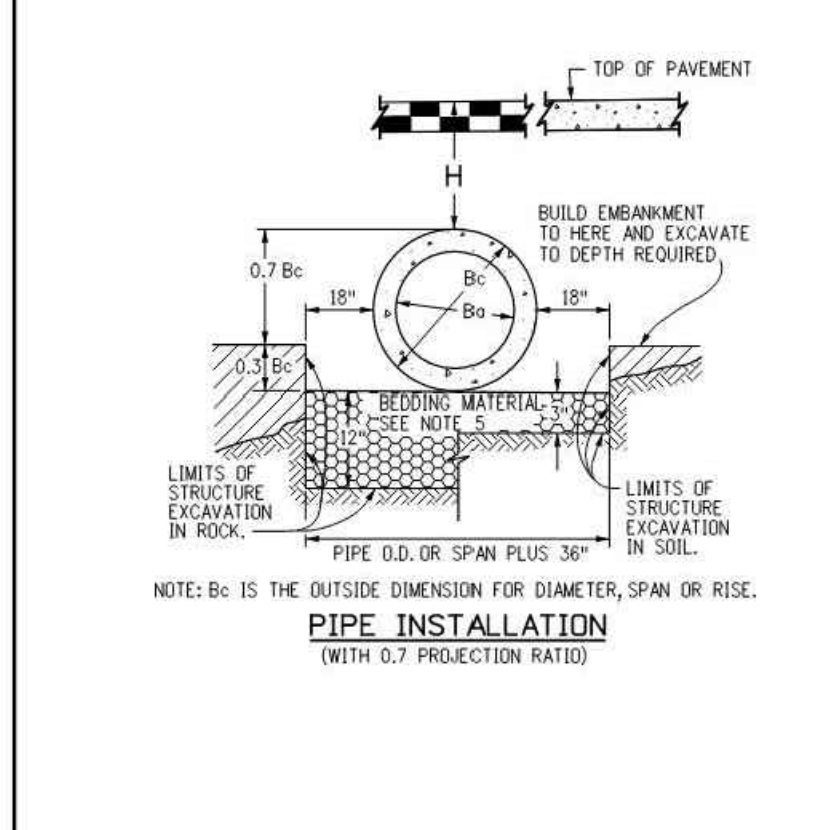
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CURB INLET TYPE R

STANDARD PLAN NO. M-604-12
Standard Sheet No. 1 of 2

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GENERAL NOTES

REINFORCED CONCRETE PIPE

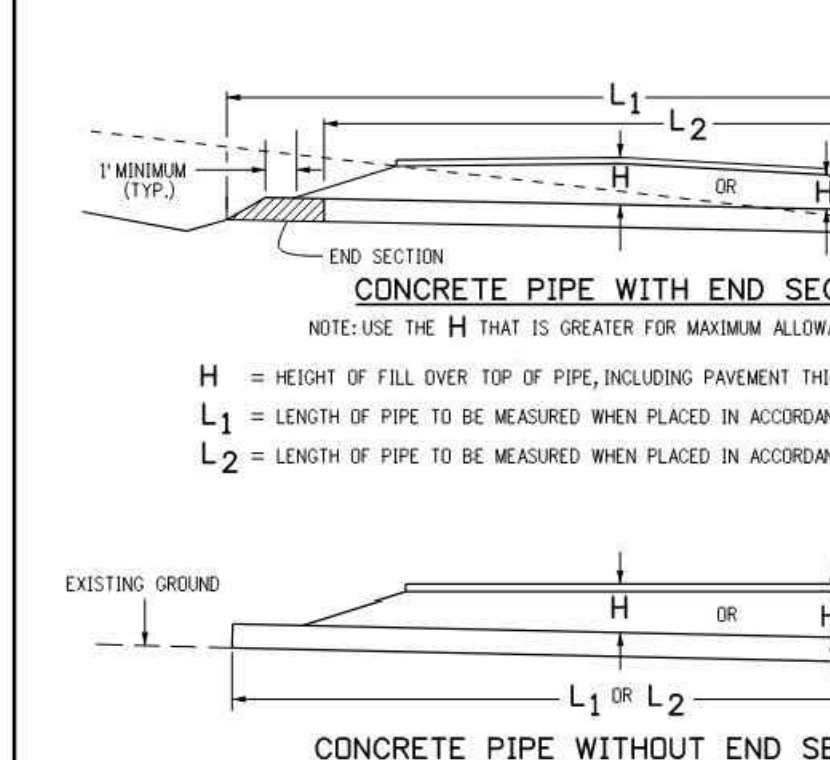
- FILL HEIGHTS GREATER THAN MAXIMUM ALLOWED IN THE HEIGHTS OF FILL TABLE ON THIS SHEET REQUIRE SPECIAL DESIGN OF STRUCTURE.
- PIPE DESIGN IS BASED ON SAFETY FACTOR OF 1.33 ON ULTIMATE STRENGTH.
- THE HEIGHTS OF FILL OVER TOP OF PIPE ARE BASED ON UNIT WEIGHT OF SOIL AT 135 LBS PER CU. YD.
- PIPE CLASS IS DETERMINED FROM 0.01 IN. CRACK D-LOAD.
- BEDDING IS CLASS B (MODIFIED) FROM CONCRETE PIPE DESIGN MANUAL-AMERICAN CONCRETE PIPE ASSOCIATION WITH SETTLEMENT RATIO R = 0.01 (YIELDING BED). BEDDING MATERIAL FOR RIGID PIPE IN SOIL SHALL BE 3 IN. LOOSE THICKNESS STRUCTURE BACKFILL CLASS 2. BEDDING MATERIAL FOR RIGID PIPE IN ROCK SHALL BE 12 IN. LOOSE THICKNESS STRUCTURE BACKFILL CLASS 1.
- CHANGES IN DESIGN FACTORS REQUIRE CORRECTING CHANGES IN PIPE DESIGN.
- MINIMUM WALL THICKNESS DIMENSIONS ARE BASED ON AASHTO M 170 (WALL B) FOR CIRCULAR PIPE, AND AASHTO M 207 FOR ELLIPTICAL PIPE.
- SPACING FOR MULTIPLE PIPE INSTALLATIONS SHALL CONFORM TO THE DETAILS SHOWN ON STANDARD PLAN M-206-1.
- WHEN A PIPE IS TO BE EXTENDED, THE SAME PIPE MATERIAL AND SIZE AS IN THE ORIGINAL PIPE INSTALLATION SHALL BE USED.

NONREINFORCED CONCRETE PIPE

- AT THE OPTION OF THE CONTRACTOR, NONREINFORCED CONCRETE PIPE CONFORMING TO AASHTO M 86 MAY BE USED IN LIEU OF REINFORCED CONCRETE PIPE FOR ALL SIZES 36 INCHES IN DIAMETER AND SMALLER. THE NONREINFORCED CONCRETE PIPE SHALL MEET THE SAME D-LOAD TO PROVIDE THE ULTIMATE LOAD UNDER THE THREE-EDGE BEARING METHOD AS SPECIFIED FOR REINFORCED CONCRETE PIPE IN CONFORMANCE WITH AASHTO M 170. THE CONTRACTOR SHALL PROVIDE WRITTEN CERTIFICATION OF CONFORMANCE. THE WALL THICKNESS OF THE NONREINFORCED PIPE MAY BE INCREASED AS REQUIRED TO MEET D-LOAD REQUIREMENT.
- ALL REQUIREMENTS FOR REINFORCED CONCRETE PIPE, EXCEPT THOSE REFERRING TO REINFORCEMENT, SHALL APPLY TO NONREINFORCED CONCRETE PIPE.

HEIGHTS OF FILL OVER TOP OF PIPE, H (FEET)

TYPE OF PIPE	CLASS OF PIPE (0.01 IN. CRACK D-LOAD)					
	CLASS CIR II	CLASS CIR III	CLASS CIR IV	CLASS CIR V	CLASS VE V	CLASS VE VI
CIRCULAR (CIR)	1000 D	1350 D	2000 D	3000 D	4000 D	
VERTICAL ELLIPTICAL (VE)	1 TO 18	1 TO 25	± 25 TO 37	± 37 TO 45		
HORIZONTAL ELLIPTICAL (HE)	1 TO 18	1 TO 25	± 25 TO 37	± 37 TO 45	± 45 TO 62	



Computer File Information

Creation Date: 07/31/19
Designer Initials: JBK
Last Modification Date: 07/31/19
Detailer Initials: LTA
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REINFORCED CONCRETE PIPE

STANDARD PLAN NO. M-603-2
Standard Sheet No. 1 of 1

Issued by the Project Development Branch: July 31, 2019

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REINFORCED CONCRETE PIPE

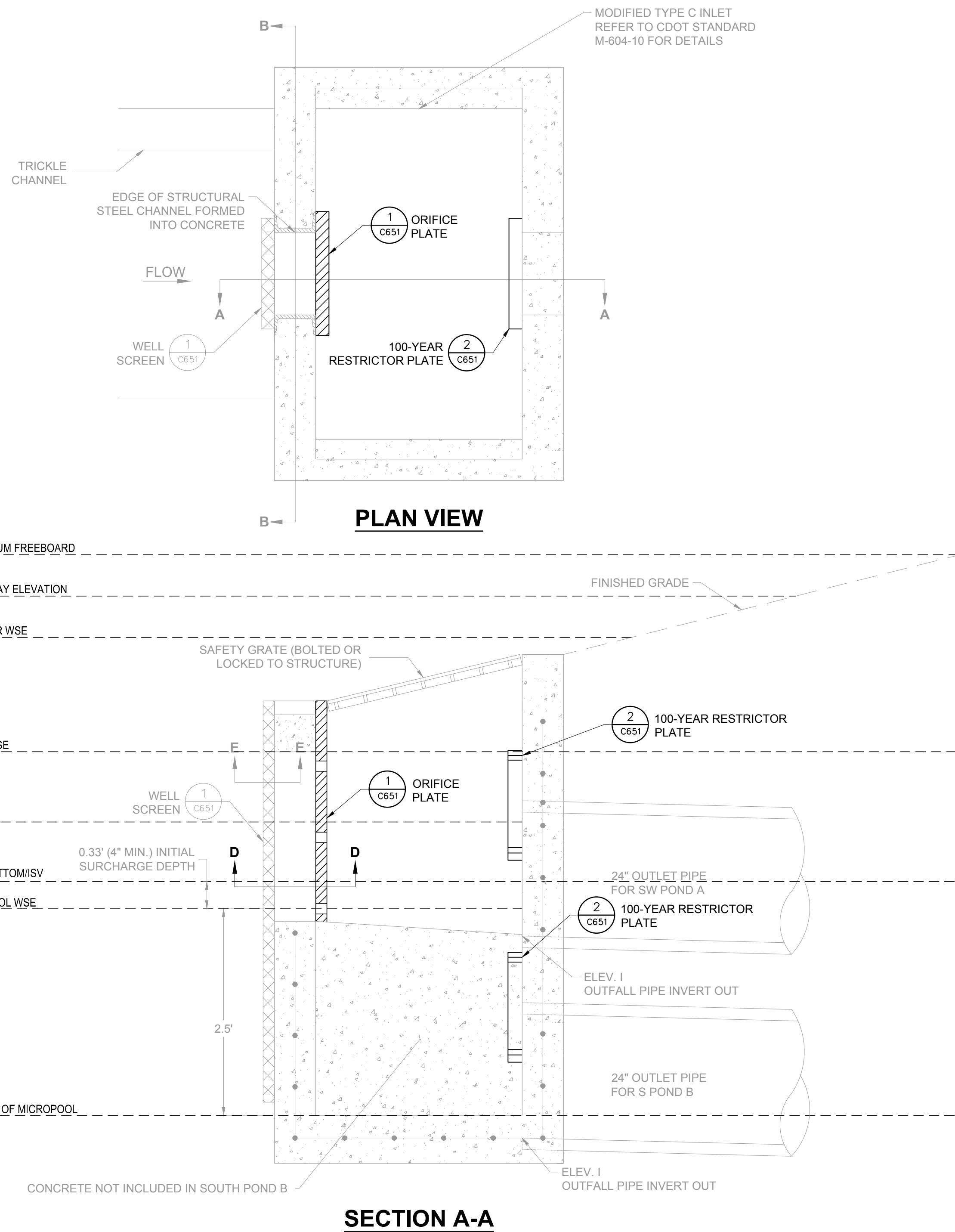
STANDARD PLAN NO. M-603-2
Standard Sheet No. 1 of 1

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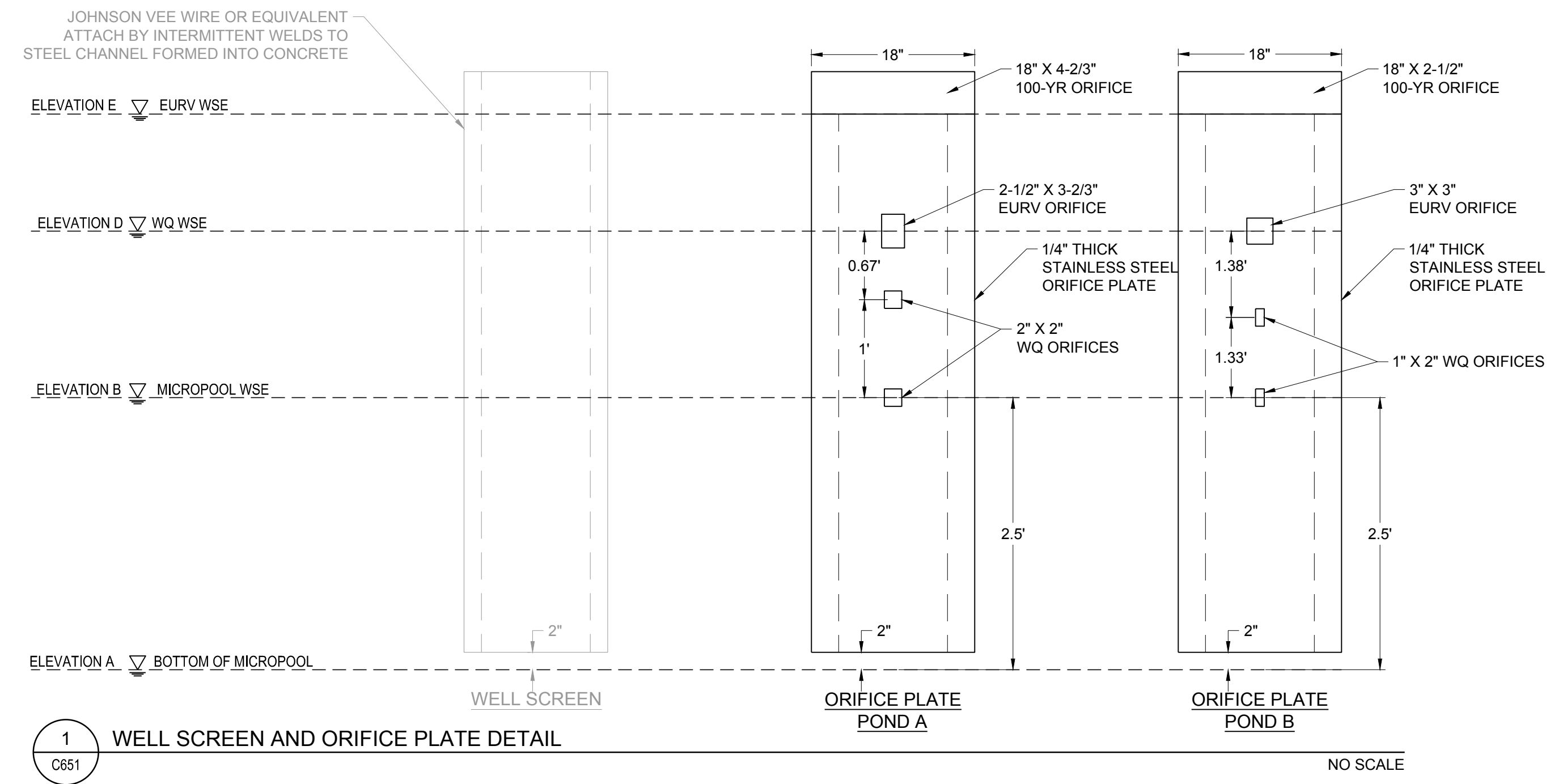
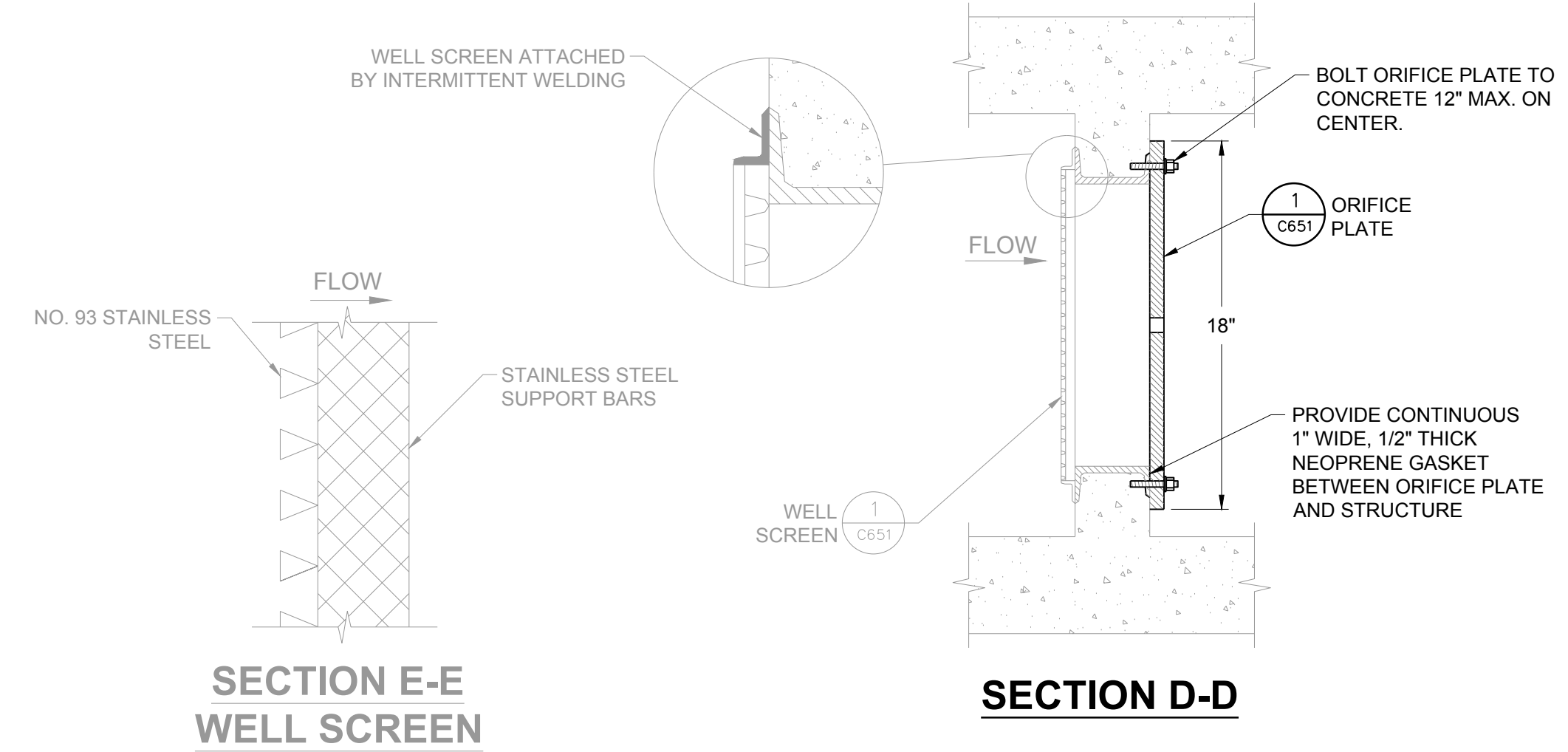
DESIGNED BY: RJH
DRAWN BY: EDS
CHECKED BY: MHV
MIRO JOB NO. 23079
DRAWING NUMBER: A-C352

	SW POND A	S POND B
ELEV. A (BOTTOM OF MICROPOOL)	5791.29	5812.50
ELEV. B (MICROPOOL WATER SURFACE ELEVATION)	5793.79	5815.00
ELEV. C (POND BOTTOM/INITIAL SURCHARGE WATER SURFACE ELEVATION)	5794.12	5815.33
ELEV. D (WATER QUALITY WATER SURFACE ELEVATION)	5795.46	5817.71
ELEV. E (EURV WATER SURFACE ELEVATION)	5797.02	5819.07
ELEV. F (100-YR WATER SURFACE ELEVATION)	5798.04	5820.04
ELEV. G (SPILLWAY ELEVATION)	5799.58	5821.20
ELEV. H (FREEBOARD)	5800.97	5824.00
ELEV. I (OUTFALL PIPE INVERT OUT)	5793.69	5812.26
Y _o	22"	18"
Y _i	6"	10"

OUTLET STRUCTURE TABLE

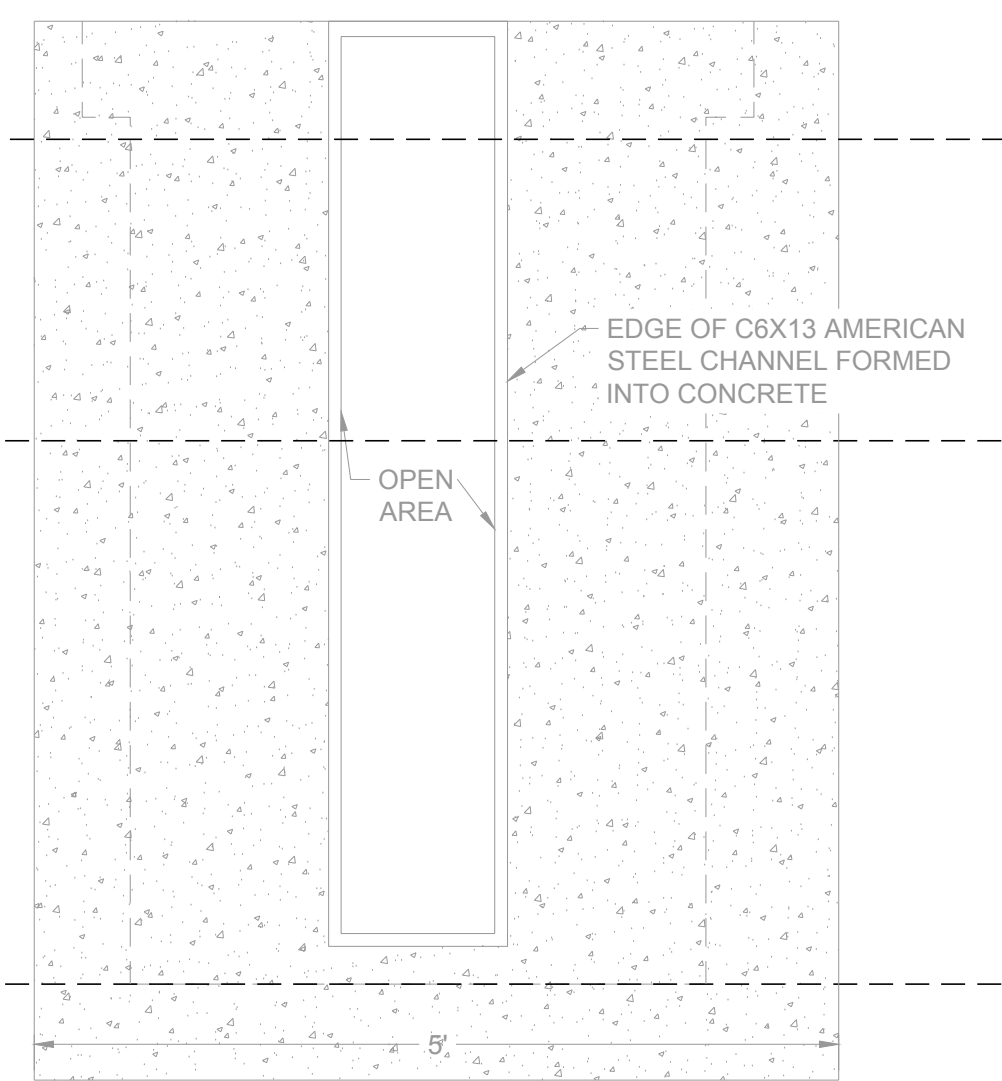


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C651 OUTLET STRUCTURE DETAIL



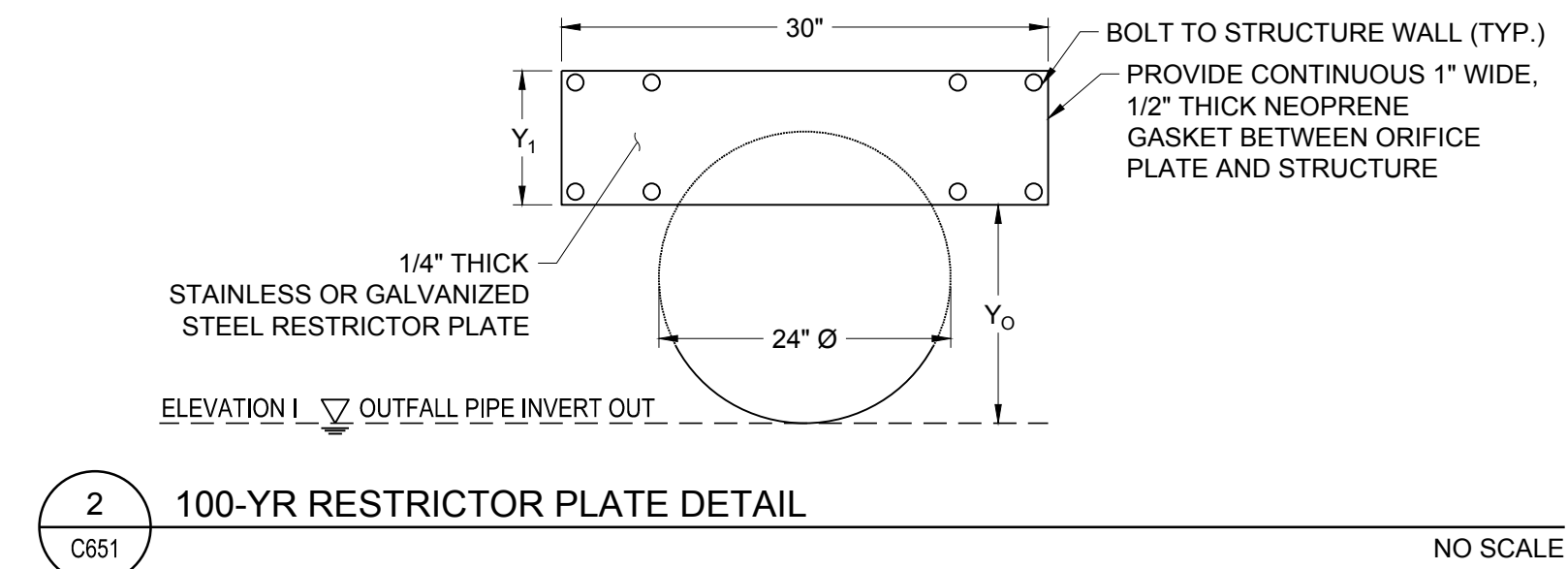
1
C651 WELL SCREEN AND ORIFICE PLATE DETAIL

NO SCALE



SECTION B-B
MID-WALL

NO SCALE



2
C651 100-YR RESTRICTOR PLATE DETAIL

NO SCALE

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Town of Parker, Director of Engineering/Public Works Date



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DATE	DESCRIPTION
06/03/2024	1ST TOWN SUBMITTAL
08/16/2024	2ND TOWN SUBMITTAL
10/10/2024	3RD TOWN SUBMITTAL

PROJECT: **ADVENTHEALTH PARKER EXPANSION
PARKER, CO 80138**

DRAWING TITLE: **STORM DETAILS**

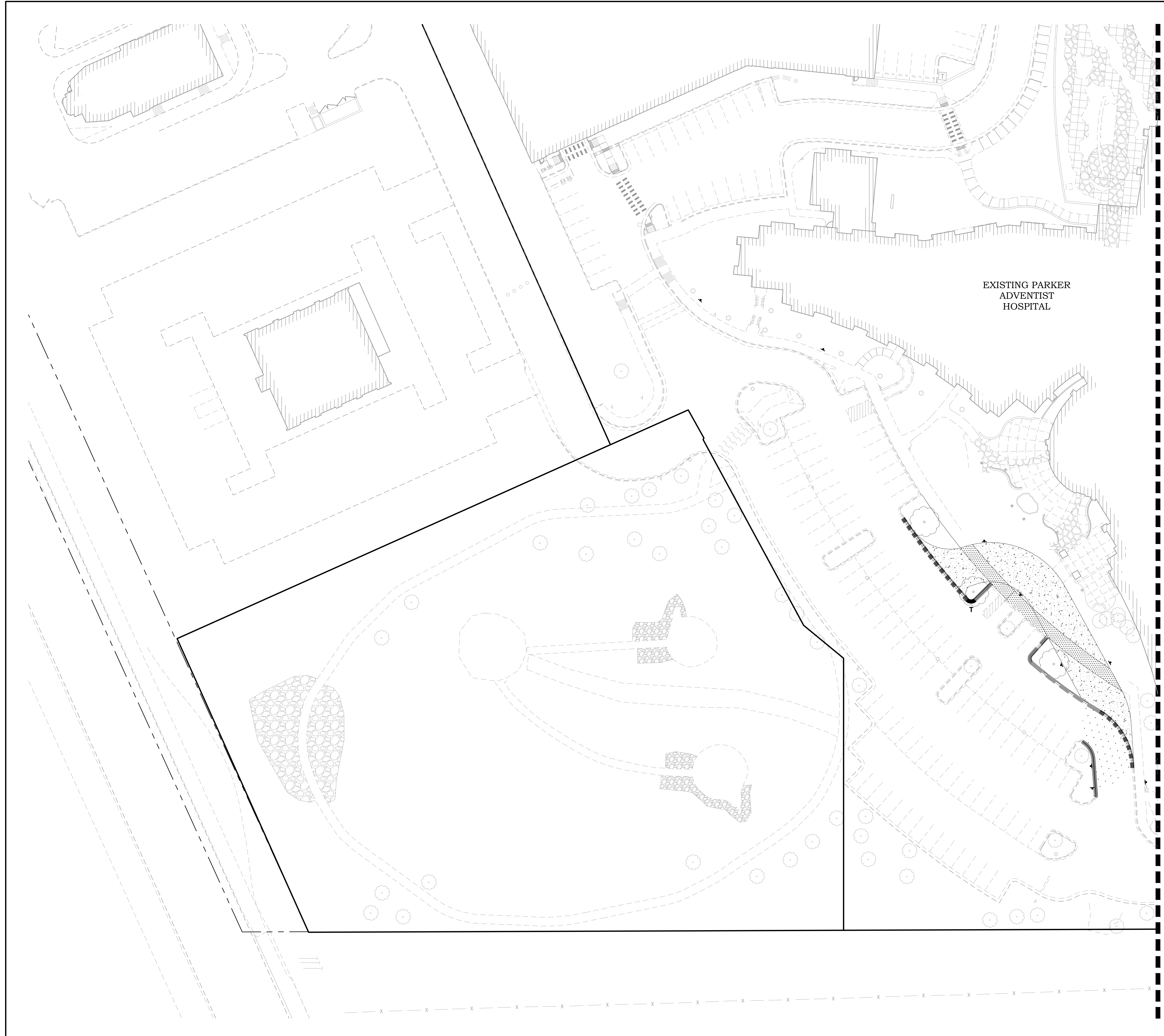
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CHECKED BY: MHV
MIRO JOB NO. 23079

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A-C353

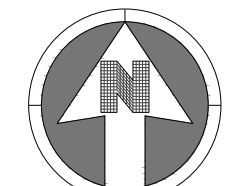


EXISTING PARKER
ADVENTIST
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SEE SHEET A-C412



KEYMAP
NTS



30 0 30
SCALE: 1" = 30'

LEGEND:

- PROPOSED 6" CATCH CURB AND GUTTER
RE: DTL. 2-A/A-C451
- PROPOSED 6" SPILL CURB AND GUTTER
RE: DTL. 2-B/A-C451
- PROPOSED MOUNTABLE CURB AND GUTTER
RE: DTL. 2-D/A-C451
- PROPOSED FLUSH CURB AND GUTTER
RE: DTL. 2-C/A-C451
- PROPOSED PATCHBACK
RE: DTL. 2/A-C452
- PROPOSED CURB TRANSITION
RE: DTL. 2/A-C452
- PROPOSED 4" COMPOSITE ASPHALT
OVER 8" BASE COURSE
RE: DTL. 1-A/A-C451
- PROPOSED 6" CONCRETE PAVEMENT
RE: DTL. 1-B/A-C451
- PROPOSED 7" CONCRETE REINFORCED W/ REBAR
RE: DTL. 1-C/A-C451
- PROPOSED 6" CONCRETE WELDED WIRE REINFORCED
RE: DTL. 1-D/A-C451
- COLOR CONCRETE
RE: LANDSCAPE PLANS

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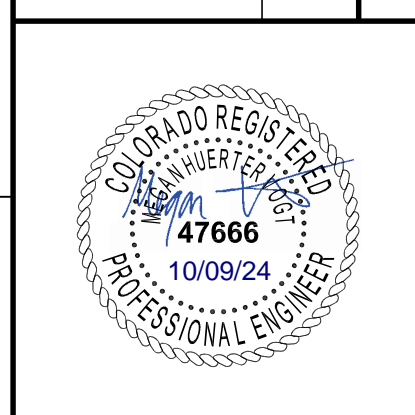
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NO.	DESCRIPTION	DATE
1	1ST TOWN SUBMITTAL	06/03/2024
2	2ND TOWN SUBMITTAL	08/16/2024
3	3RD TOWN SUBMITTAL	10/10/2024

PROJECT: **ADVENTHEALTH PARKER EXPANSION
PARKER, CO 80138**

DRAWING TITLE: **PAVING PLAN**

FILE PATH: C:\Users\ghj\Documents\S. A. Miro, Inc.\Civil\Jobs\23079 AHP Expansion\05 CAD\Plans and Details\C411-PAVING-PLAN.dwg C411 - 10/9/2024



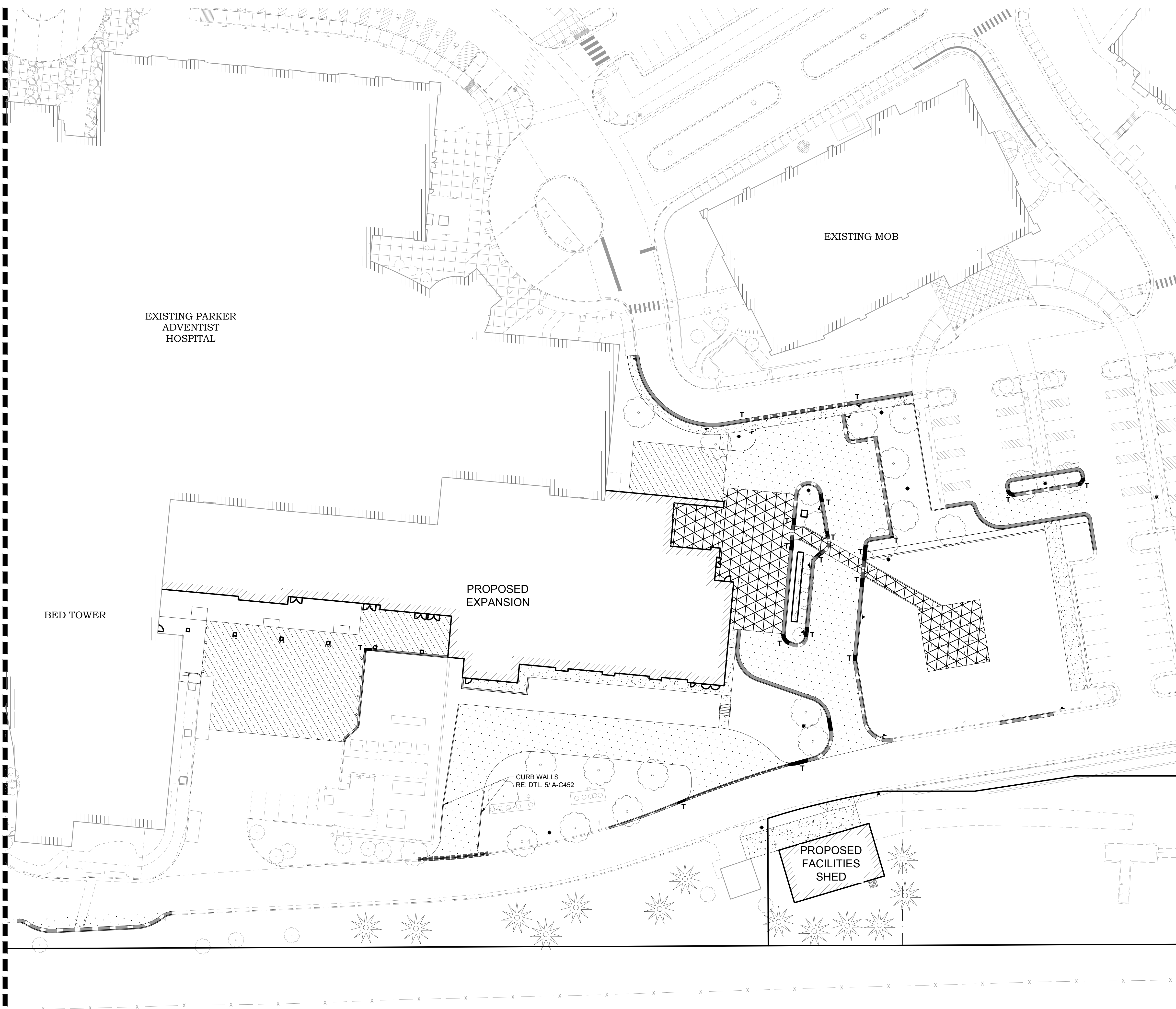
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MIRO JOB NO. 23079

DRAWING NUMBER:
A-C411

THE TOWN OF PARKER REVIEW CONSTITUTES GENERAL COMPLIANCE WITH TOWN'S STANDARDS AND APPROVED VARIANCES, SUBJECT TO THESE PLANS BEING STAMPED, SIGNED, AND DATED BY THE PROFESSIONAL ENGINEER OF RECORD. REVIEW BY THE TOWN DOES NOT CONSTITUTE APPROVAL OF THE PLAN DESIGN OR ACCURACY AND CORRECTNESS OF ENGINEERING CALCULATIONS. ERRORS IN THE DESIGN OR CALCULATIONS REMAIN THE RESPONSIBILITY OF THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE ARE AFFIXED TO THIS DOCUMENT.

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Town of Parker, Director of Engineering/Public Works _____ Date _____



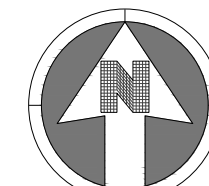
SEE SHEET A-C411



MIRO
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 CIVIL + STRUCTURAL
 CONSULTING ENGINEERS
 4582 S. Ulster St., Suite 750
 Denver, CO 80237
 303-741-3737
 www.samiro.com



KEYMAP
 NTS



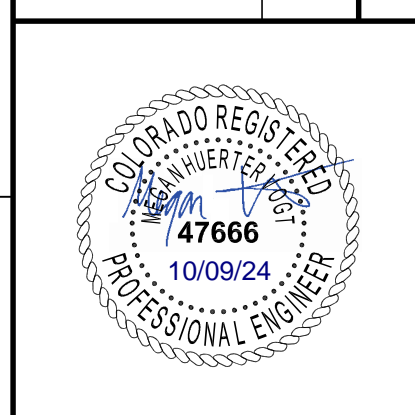
30 0 30
 SCALE: 1" = 30'

LEGEND:

- PROPOSED 6" CATCH CURB AND GUTTER
 RE: DTL 2-A/A-C451
- PROPOSED 6" SPILL CURB AND GUTTER
 RE: DTL 2-B/A-C451
- PROPOSED MOUNTABLE CURB AND GUTTER
 RE: DTL 2-D/A-C451
- PROPOSED FLUSH CURB AND GUTTER
 RE: DTL 2-C/A-C451
- PROPOSED PATCHBACK
 RE: DTL 2/A-C452
- T — PROPOSED CURB TRANSITION
- PROPOSED 4" COMPOSITE ASPHALT
 OVER 8" BASE COURSE
 RE: DTL 1-A/A-C451
- PROPOSED 6" CONCRETE PAVEMENT
 RE: DTL 1-B/A-C451
- PROPOSED 7" CONCRETE REINFORCED W/ REBAR
 RE: DTL 1-C/A-C451
- PROPOSED 6" CONCRETE WELDED WIRE REINFORCED
 RE: DTL 1-D/A-C451
- COLORED CONCRETE
 RE: LANDSCAPE PLANS

DATE	DESCRIPTION
06/03/2024	1ST TOWN SUBMITTAL
08/16/2024	2ND TOWN SUBMITTAL
10/10/2024	3RD TOWN SUBMITTAL

NO.	PROJECT	DRAWING TITLE:
1	ADVENTHEALTH PARKER EXPANSION PARKER, CO 80138	PAVING PLAN
2		
3		



DESIGNED BY:	RJH
DRAWN BY:	EDS
CHECKED BY:	MHV
MIRO JOB NO.	23079
DRAWING NUMBER:	

THE TOWN OF PARKER REVIEW CONSTITUTES GENERAL COMPLIANCE WITH TOWN'S STANDARDS AND APPROVED VARIANCES, SUBJECT TO THESE PLANS BEING STAMPED, SIGNED, AND DATED BY THE PROFESSIONAL ENGINEER OF RECORD. REVIEW BY THE TOWN DOES NOT CONSTITUTE APPROVAL OF THE PLAN DESIGN OR ACCURACY AND CORRECTNESS OF ENGINEERING CALCULATIONS. ERRORS IN THE DESIGN OR CALCULATIONS REMAIN THE RESPONSIBILITY OF THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE ARE AFFIXED TO THIS DOCUMENT.

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A-C412

FILE PATH: C:\Users\stgh\Documents\S. A. Miros, Inc.\Civil\Jobs\23079 AHP Expansion\05 CAD\Plans and Details\C411-PAVING-PLAN.dwg C412 - 10/9/24



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CONSULTING ENGINEERS

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Denver, CO 80237
303-741-3737
www.samiro.com



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DATE	DESCRIPTION
06/03/2024	1ST TOWN SUBMITTAL
08/16/2024	2ND TOWN SUBMITTAL
10/10/2024	3RD TOWN SUBMITTAL

PROJECT: **ADVENTHEALTH PARKER EXPANSION
PARKER, CO 80138**

DRAWING TITLE: **SITE DETAILS**

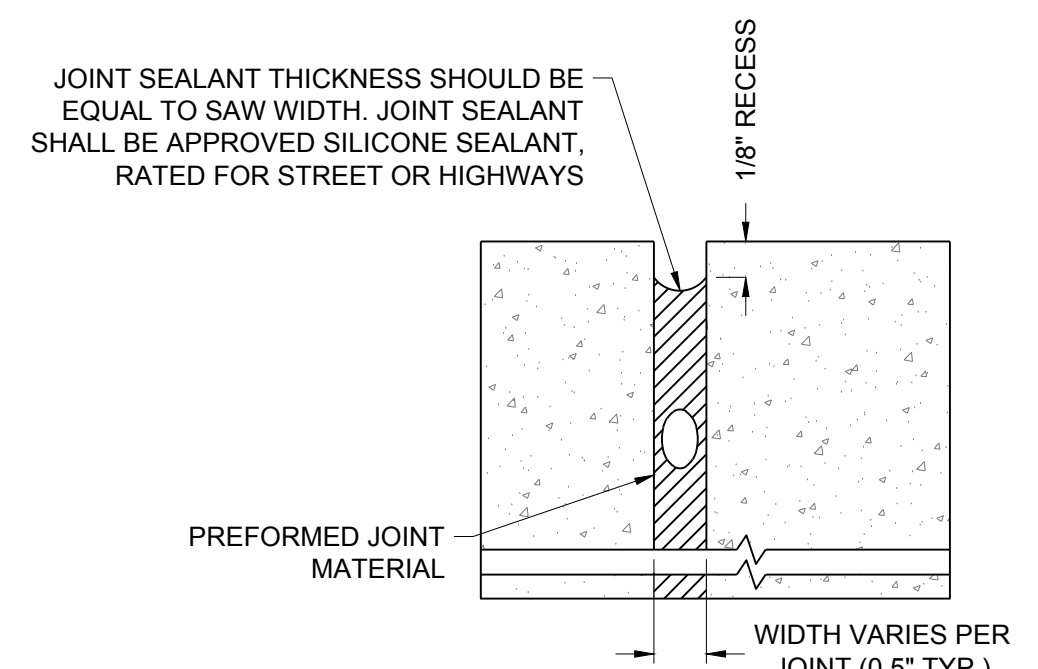
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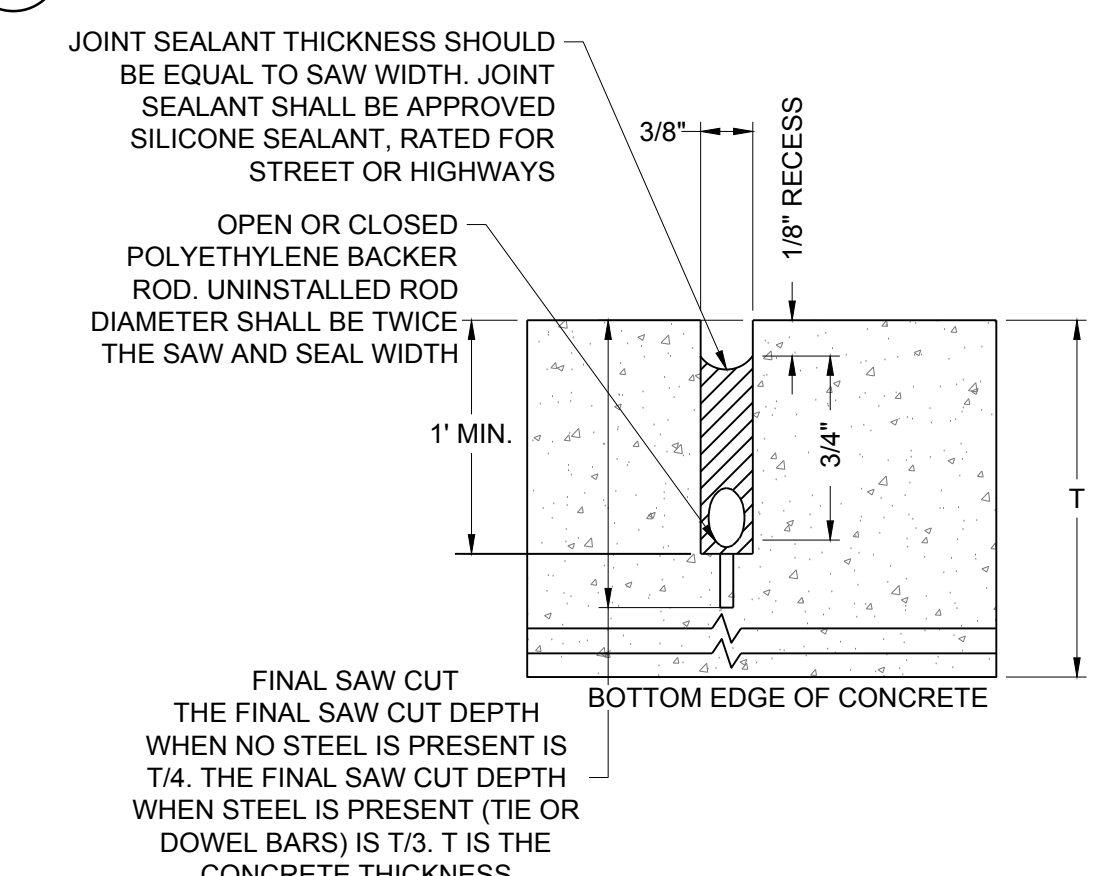
DESIGNED BY: RJH
DRAWN BY: EDS
CHECKED BY: MHV
MIRO JOB NO. 23079

DRAWING NUMBER:

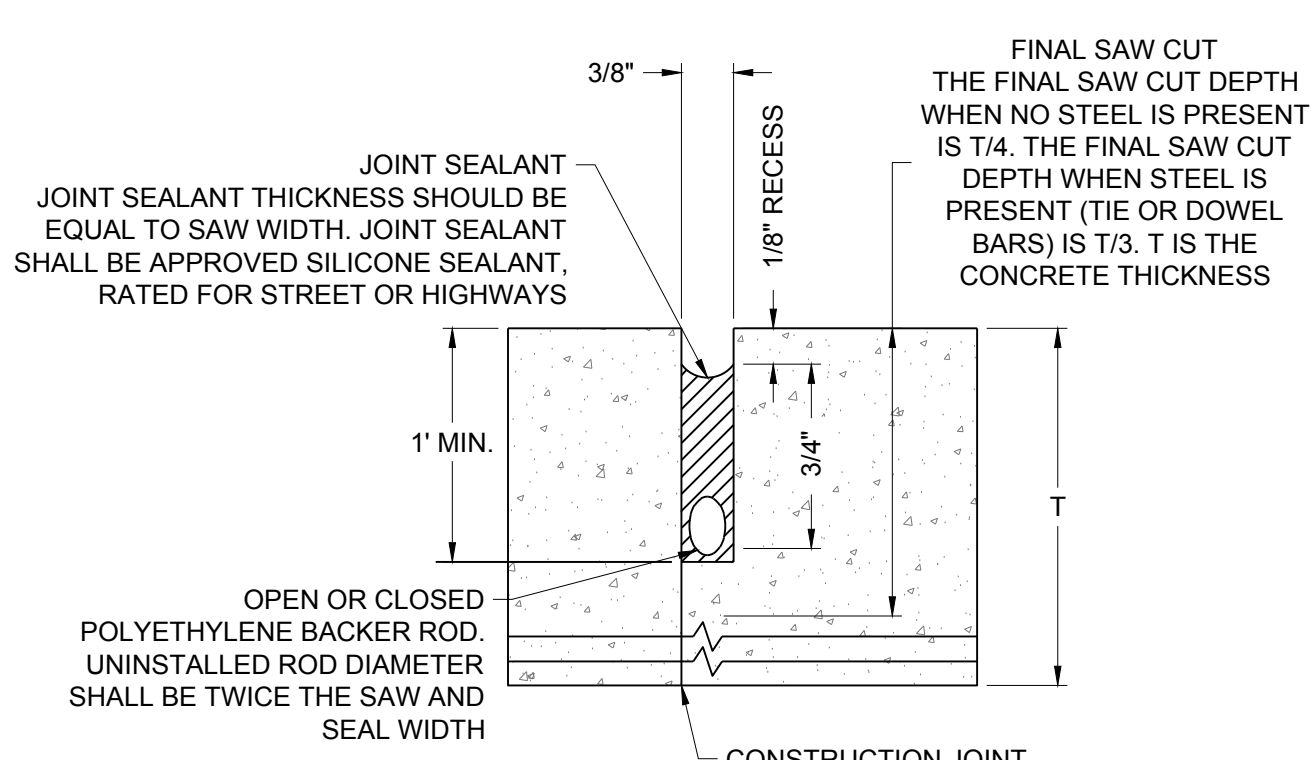
A-C451



D EXPANSION JOINT SEALANT NO SCALE

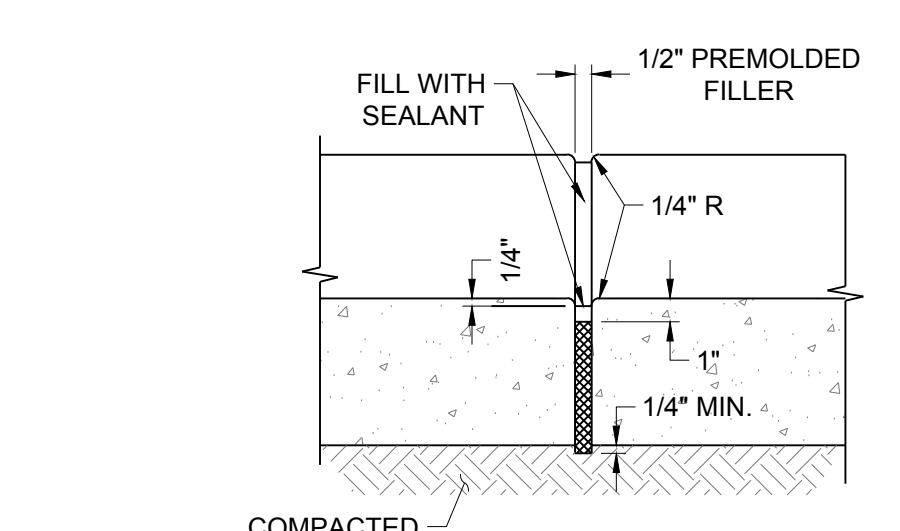


D SAW CUT JOINT SEALANT NO SCALE



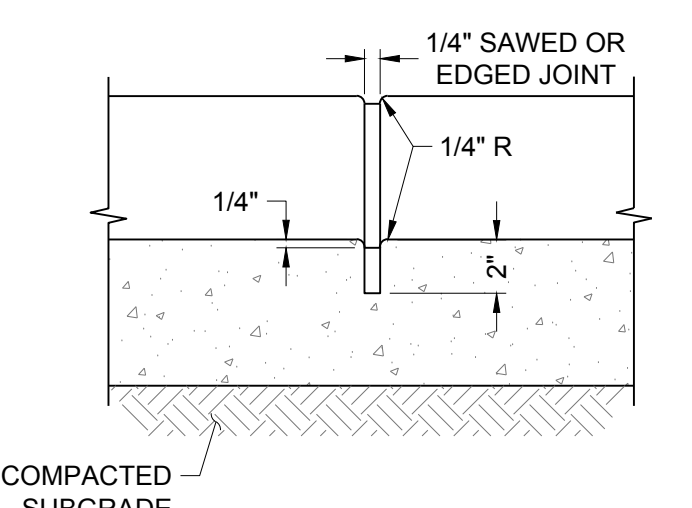
E CONSTRUCTION JOINT SEALANT NO SCALE

3 JOINTS & SEALANTS NO SCALE



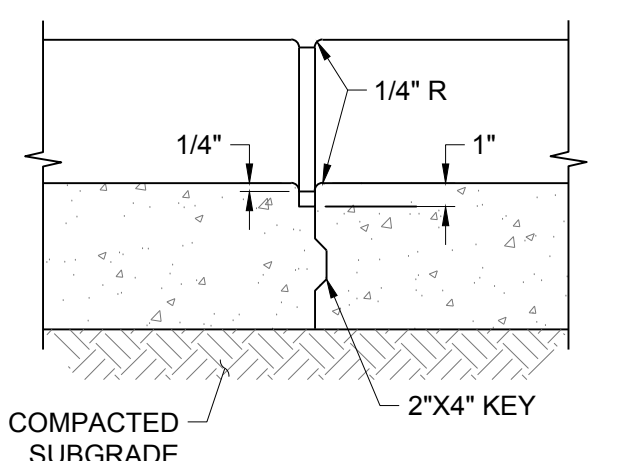
A EXPANSION JOINT NO SCALE

NOTE: INSTALL AT: POINTS OF CURVES WITH RADII <100'; AT ALL ENDS OF RETURNS; WHERE CURBS ABUT INLETS AND OTHER STRUCTURES. MAX SPACING IS 50' APART.



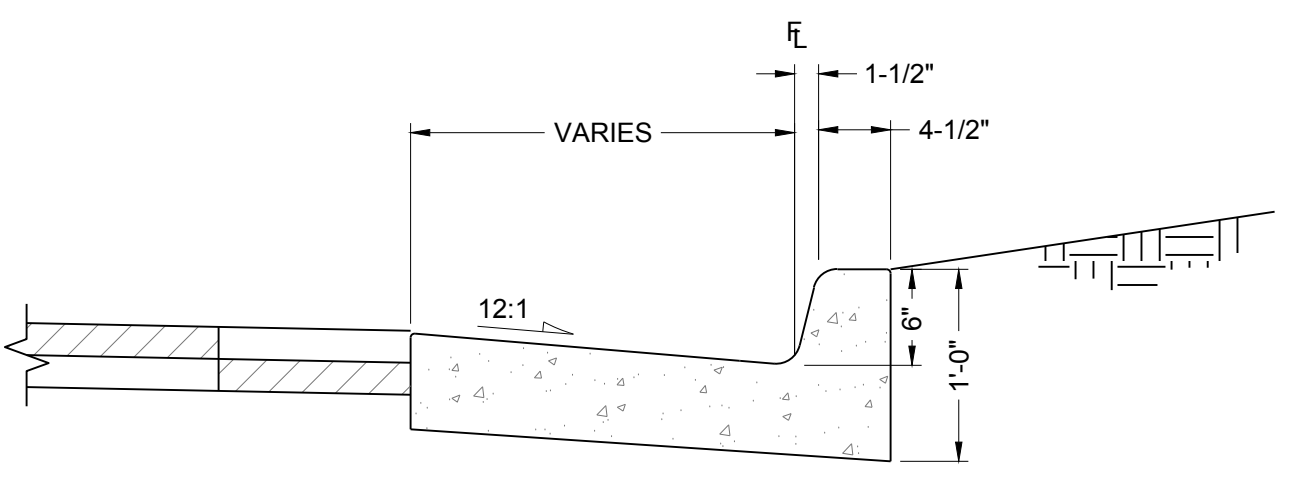
B CONTRACTION JOINT NO SCALE

NOTE: MINIMUM SPACING IS 10' APART.

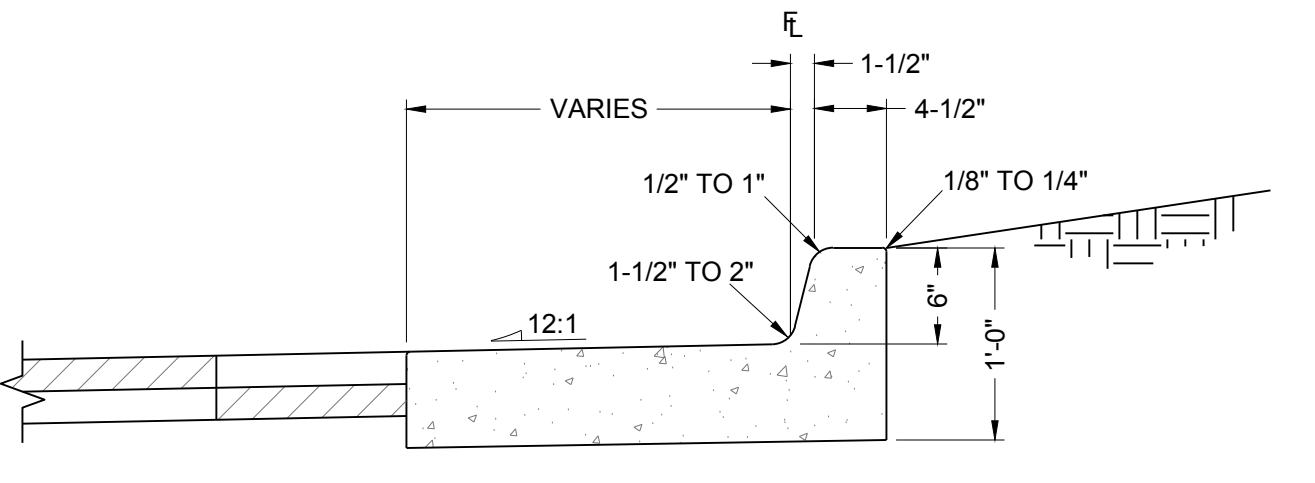


C CONSTRUCTION JOINT NO SCALE

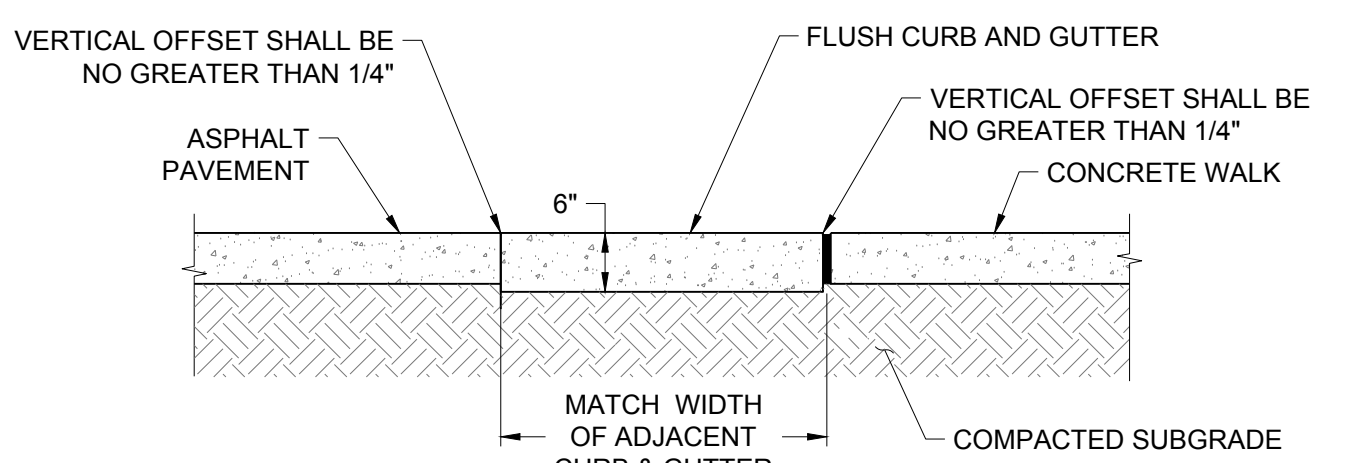
NOTE: INSTALL AT EDGES OF NEW PAVEMENT AT END OF WORK DAY.



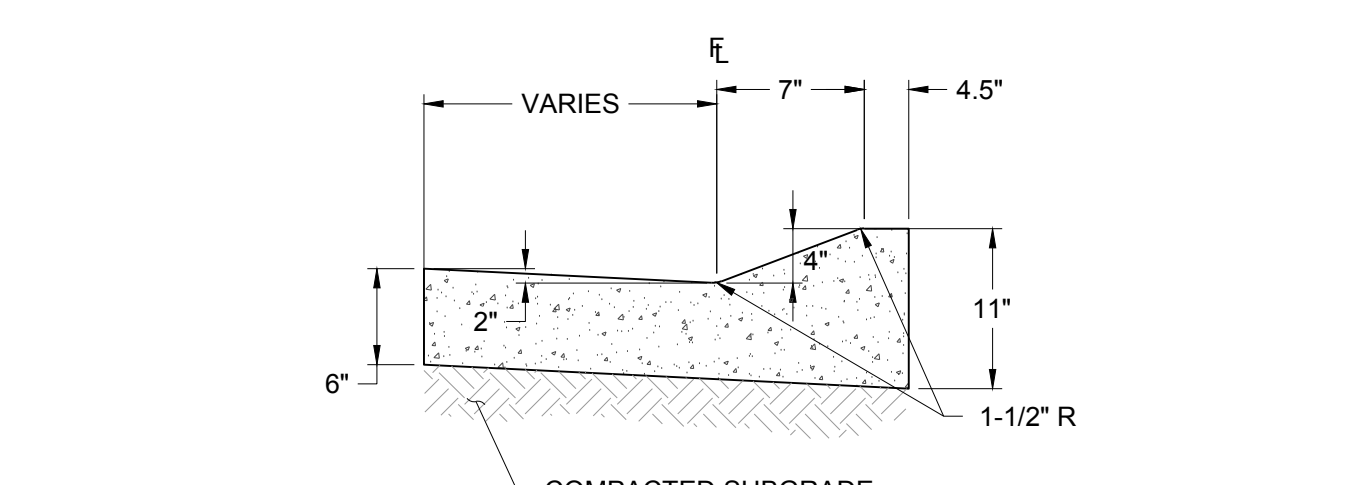
A CATCH CURB NO SCALE



B SPILL CURB NO SCALE

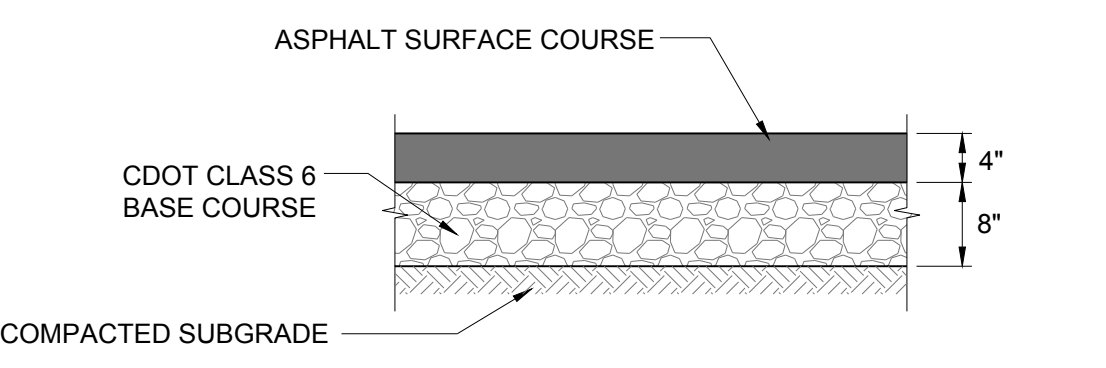


C FLUSH CURB NO SCALE

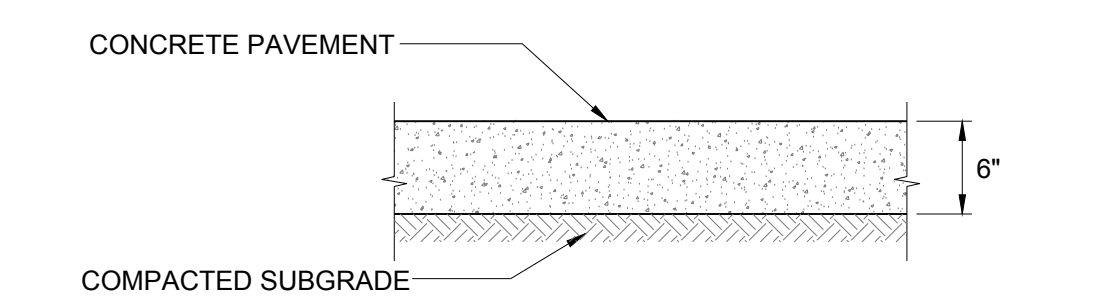


D MOUNTABLE CURB NO SCALE

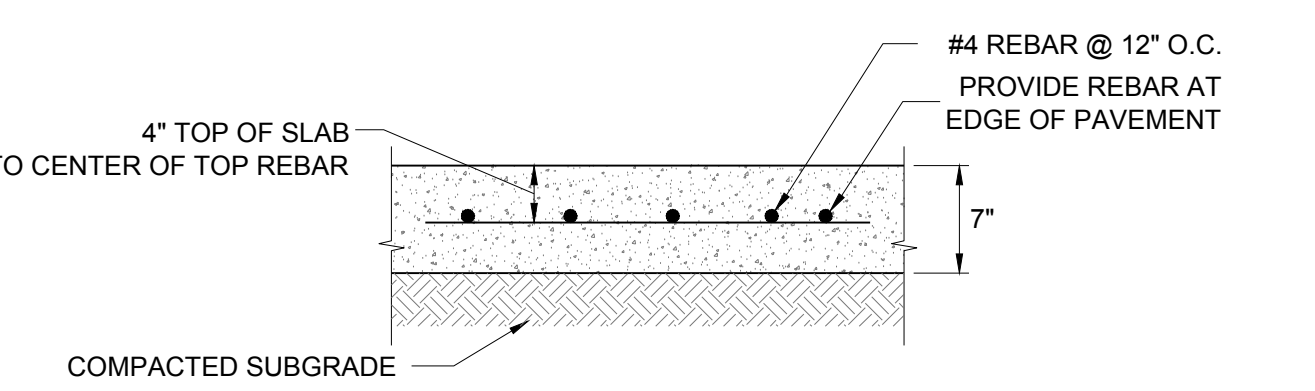
2 CURBS & GUTTERS NO SCALE



A ASPHALT PAVEMENT SECTION NO SCALE

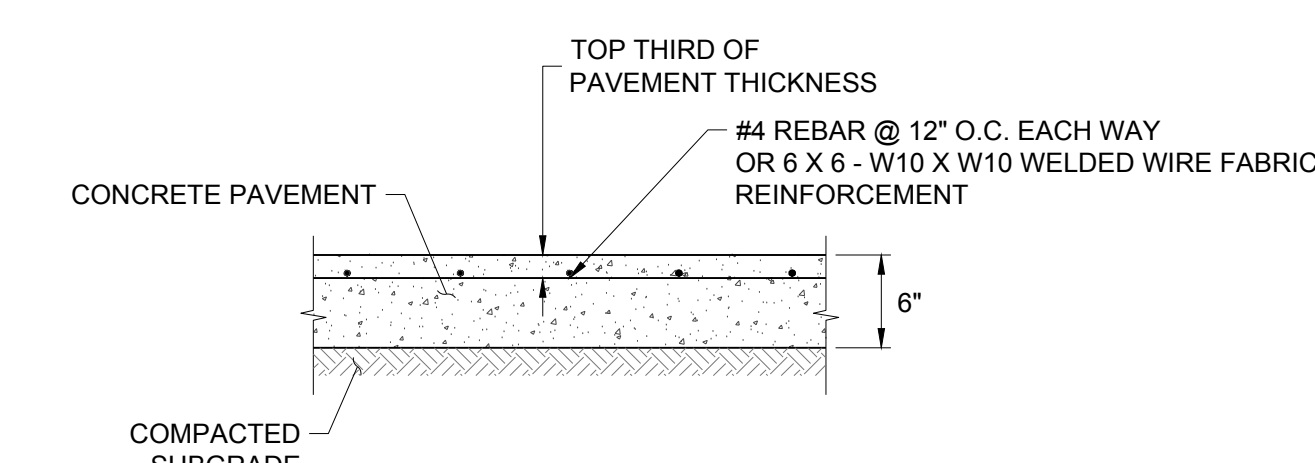


B CONCRETE PAVEMENT SECTION NO SCALE



C CONCRETE PAVEMENT SECTION NO SCALE

NOTE: INSTALL EXPANSION JOINT MATERIAL BETWEEN NEW PAVEMENT AND EXISTING CONCRETE / OTHER STRUCTURES. SET EXPANSION JOINT MATERIAL VERTICAL, WITH TOP EDGE BELOW FINISHED SURFACE OF CONCRETE



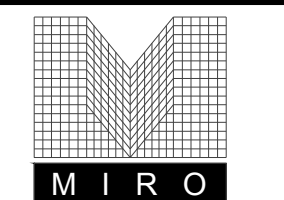
D CONCRETE PAVEMENT SECTION NO SCALE

1 PAVEMENT SECTIONS NO SCALE

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2	08/16/2024	2ND TOWN SUBMITTAL
3	10/10/2024	3RD TOWN SUBMITTAL

PROJECT: **ADVENTHEALTH PARKER EXPANSION
 PARKER, CO 80138**

DRAWING TITLE: **SITE DETAILS**

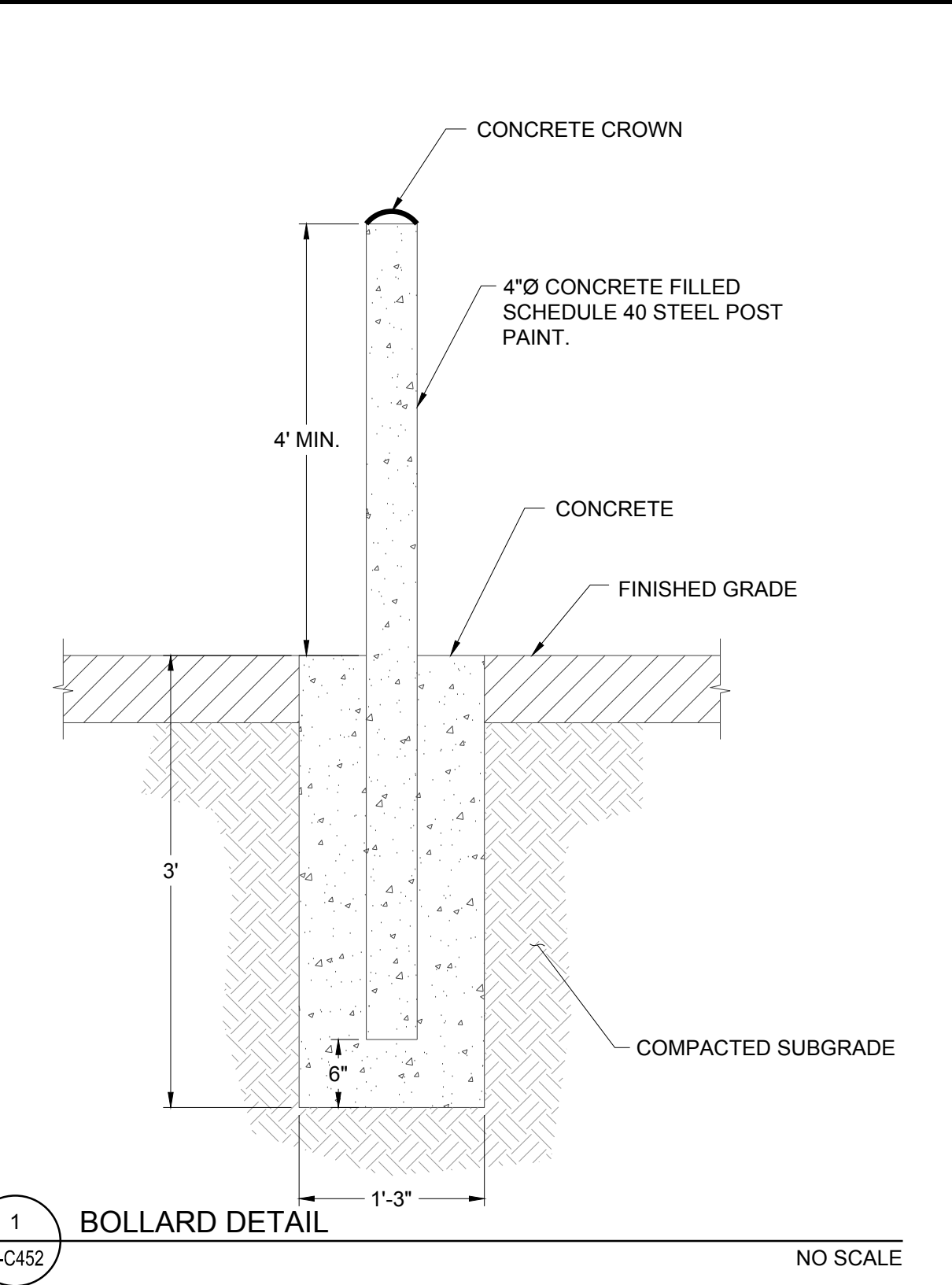
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PROFESSIONAL ENGINEER
 47666
 10/09/24

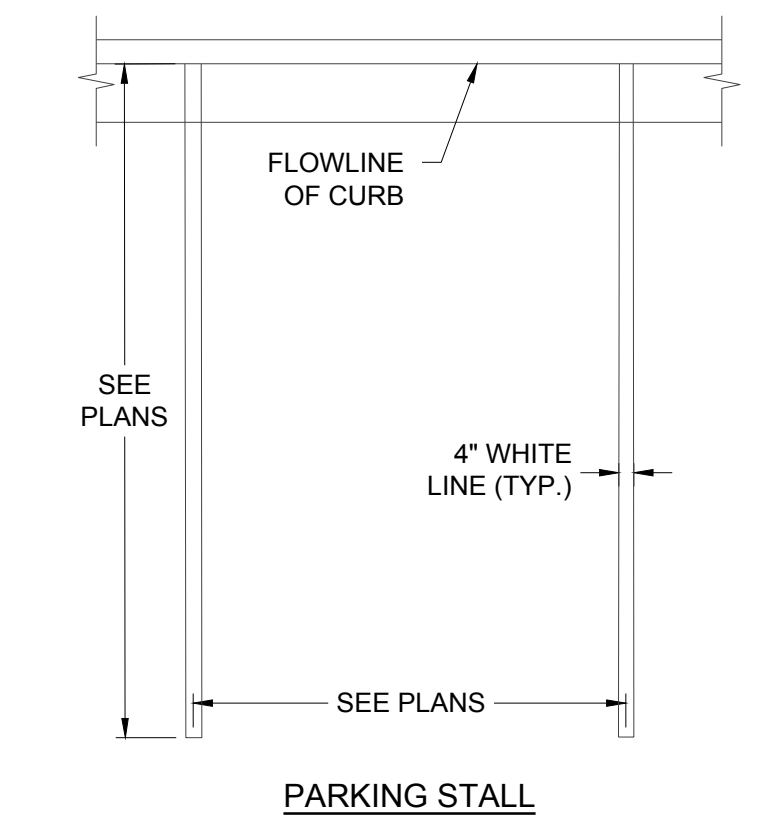
DESIGNED BY: RJH
 DRAWN BY: EDS
 CHECKED BY: MHV
 MIRO JOB NO. 23079

DRAWING NUMBER:

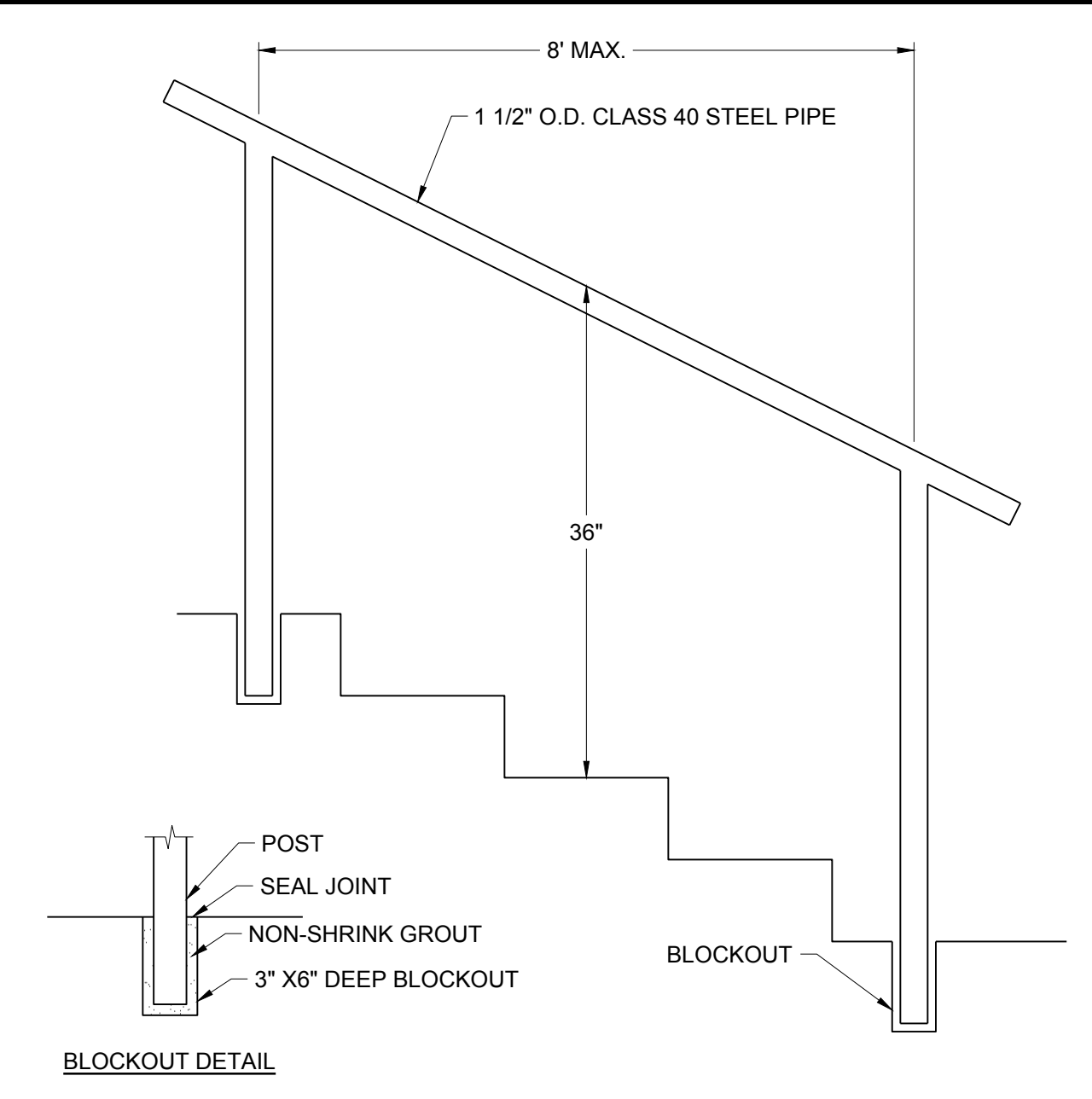
A-C452



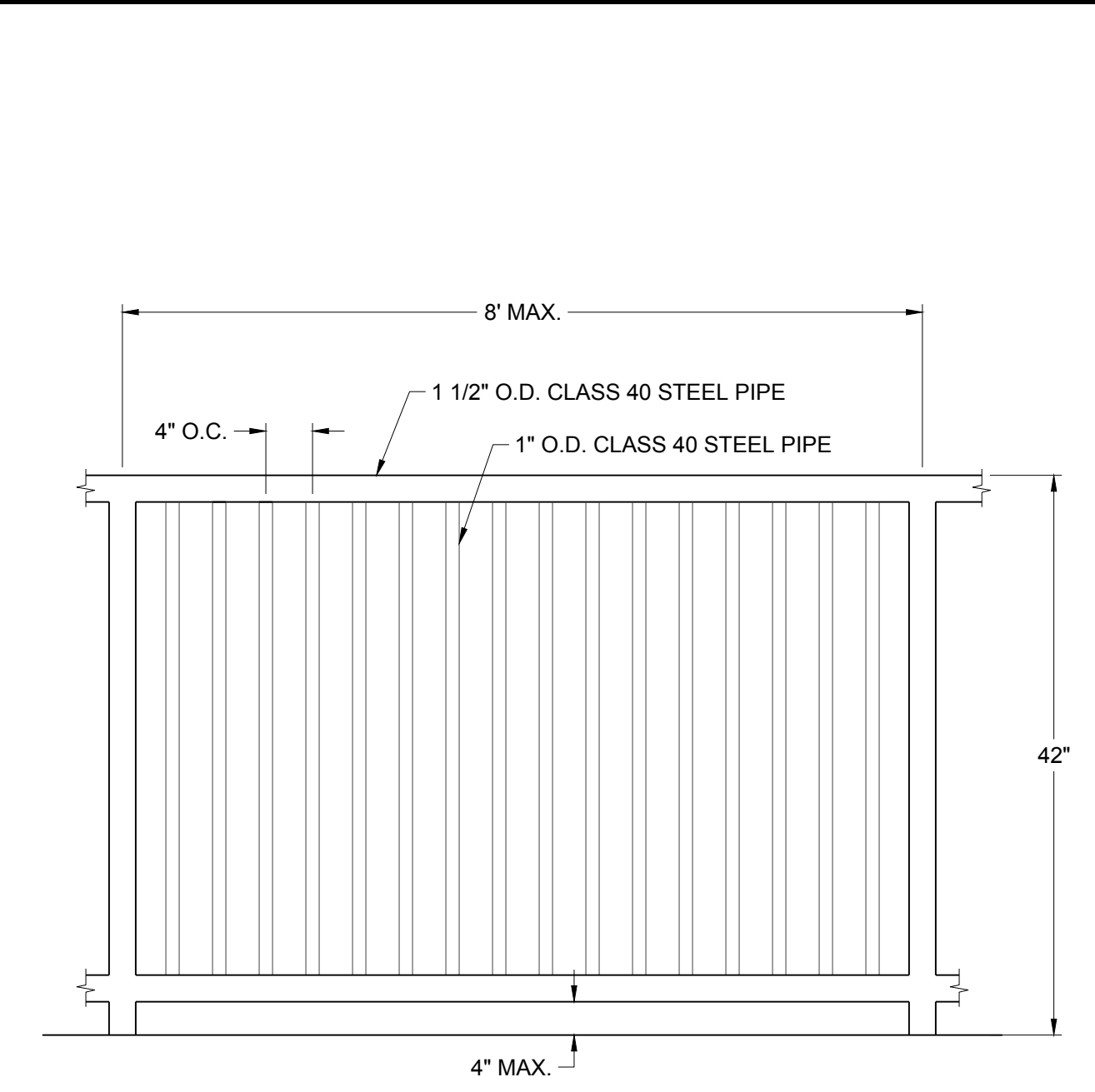
1 BOLLARD DETAIL NO SCALE



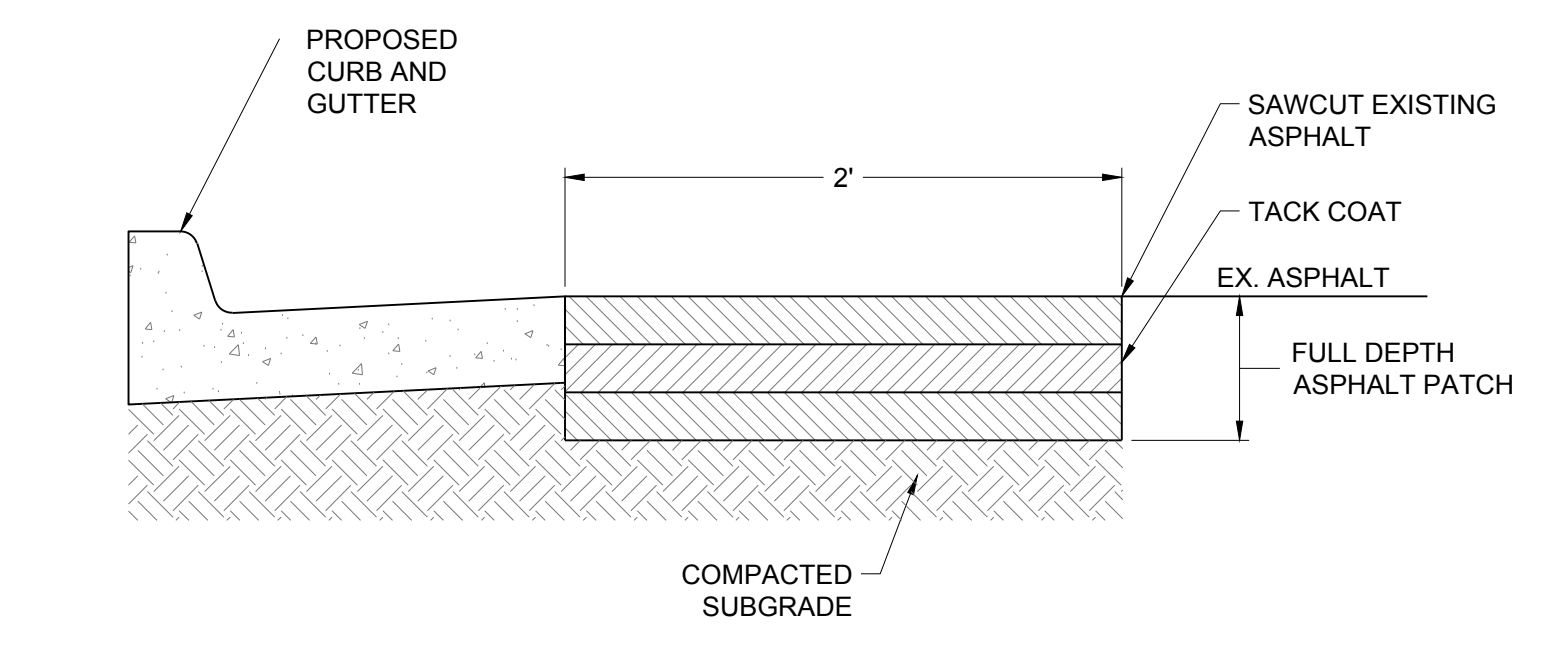
3 PAVEMENT MARKING DETAILS NO SCALE



6 HANDRAIL DETAIL NO SCALE



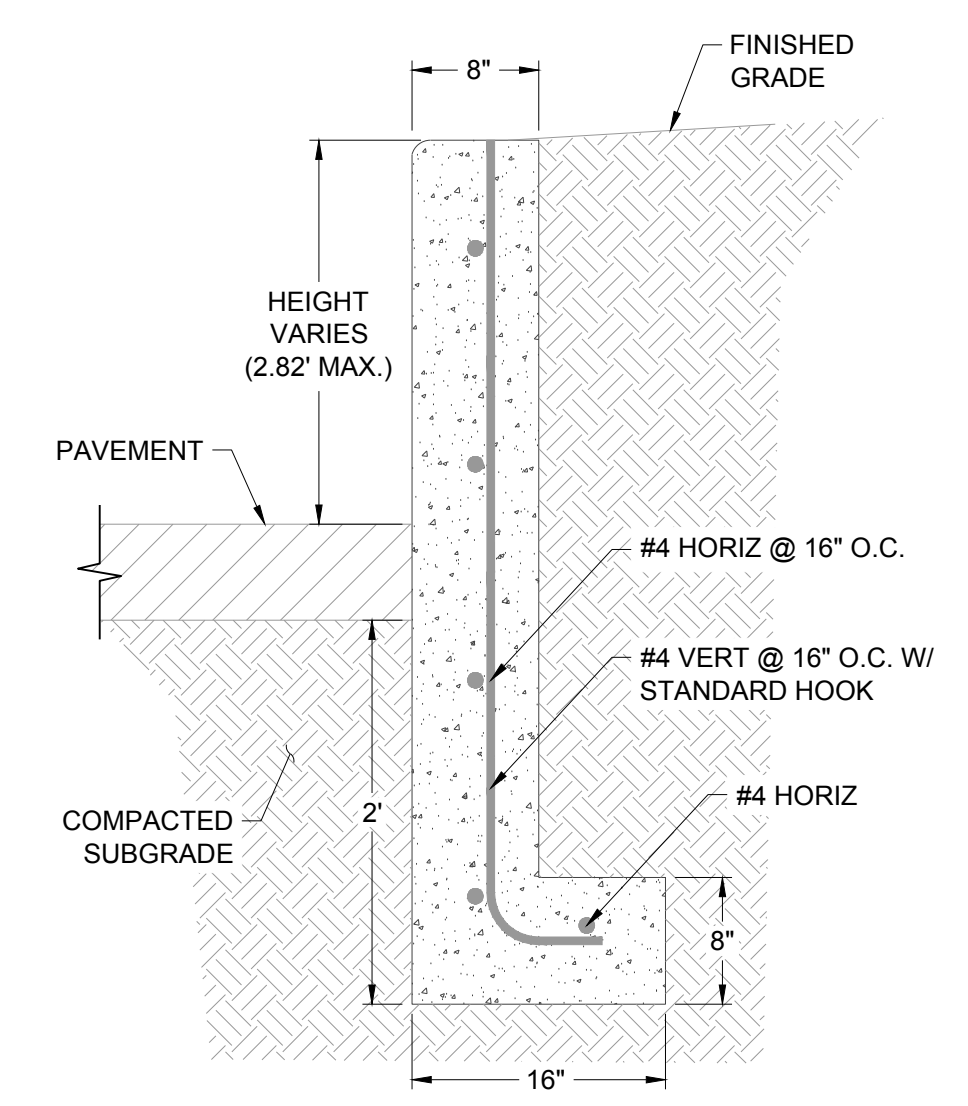
7 GUARDRAIL DETAIL NO SCALE



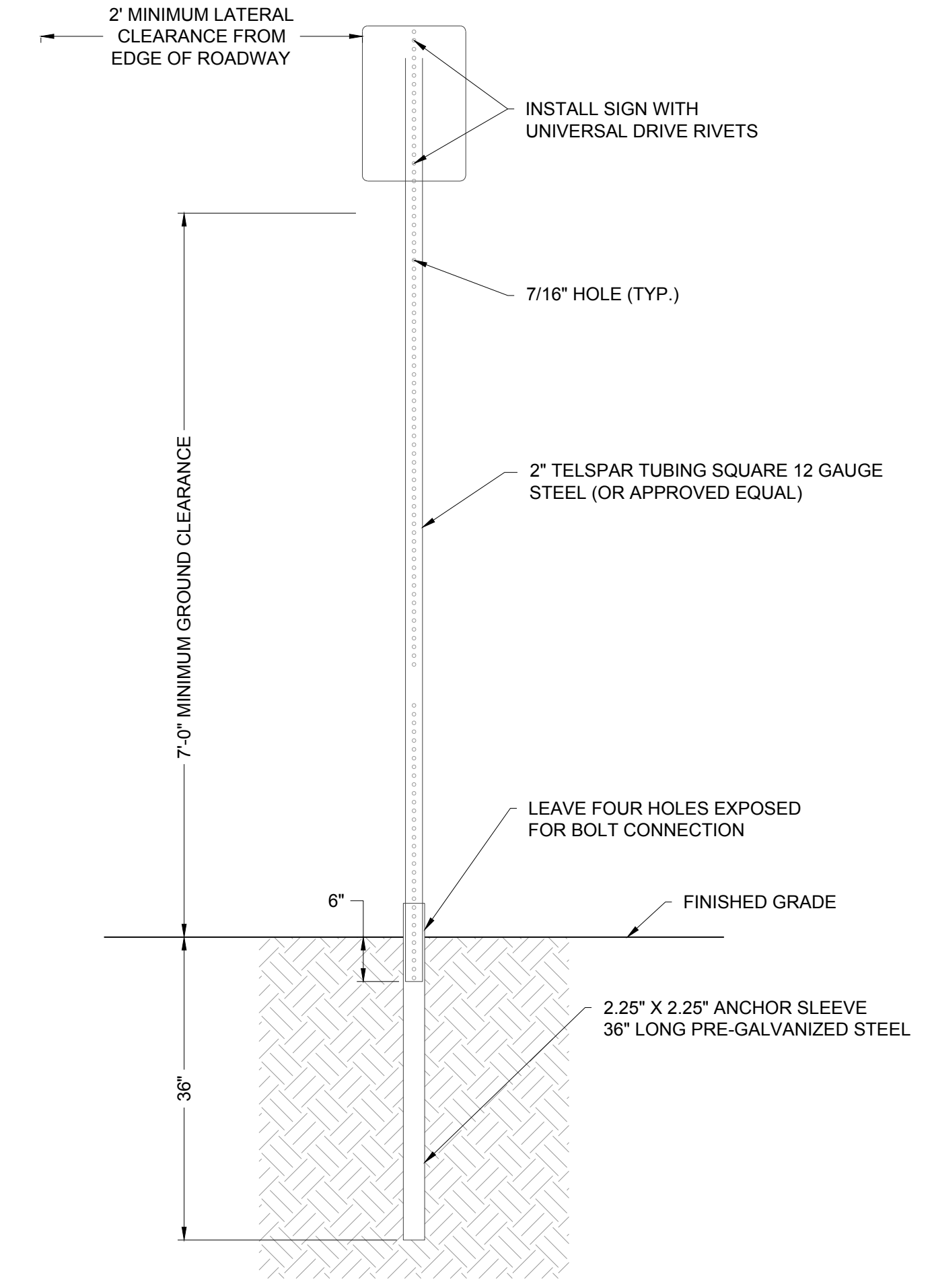
2 ASPHALT PATCHBACK DETAIL NO SCALE



4 SIGNAGE AND STRIPING DETAILS NO SCALE



5 CURB WALL DETAIL NO SCALE



7 SIGN SUPPORT DETAIL NO SCALE

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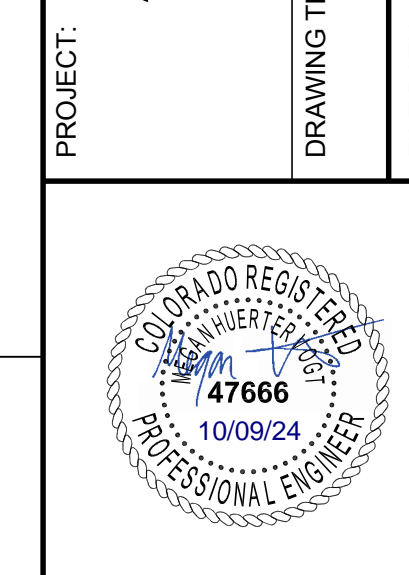
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NO.	DESCRIPTION	DATE
1	1ST TOWN SUBMITTAL	06/03/2024
2	2ND TOWN SUBMITTAL	08/16/2024
3	3RD TOWN SUBMITTAL	10/10/2024

PROJECT: **ADVENTHEALTH PARKER EXPANSION
PARKER, CO 80138**

DRAWING TITLE: **SITE DETAILS**

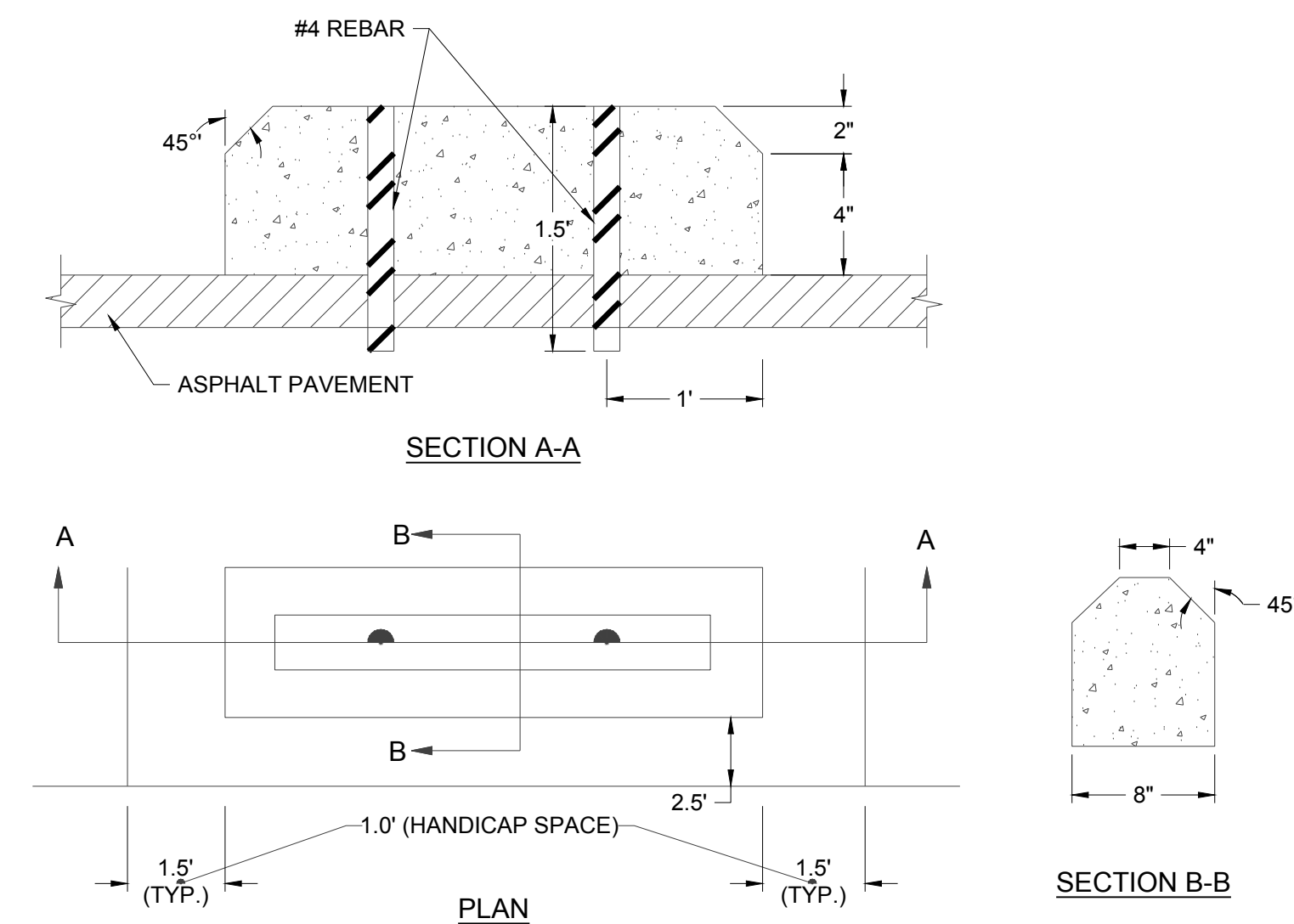
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DESIGNED BY: R/JH
DRAWN BY: EDS
CHECKED BY: MHV
MIRO JOB NO. 23079

DRAWING NUMBER:

A-C453



1 WHEELSTOP DETAIL NO SCALE



2 BOLLARD EXAMPLE IMAGE - LOADING DOCK AND SHED (COLOR TBD) NO SCALE



3 BOLLARD EXAMPLE IMAGE - ED ENTRY - BLACK FINISH NO SCALE

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Town of Parker, Director of Engineering/Public Works _____ Date _____

ADVENTHEALTH PARKER EXPANSION

CROWN POINT FILING 1 AMMENDMENT 30, LOT 1, TRACT A & B
SITUATED IN THE NORTHWEST QUARTER OF SECTION 10, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE 6TH PRINCIPAL MERIDIAN,
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO

OWNER INFORMATION

ADVENTHEALTH PARKER
9395 CROWN CREST BLVD.
PARKER, CO. 80138
303-269-4014

DESIGN INFORMATION

ARCHITECT: BOULDER ASSOCIATES
PHONE: 303-499-7795

ARCHITECT: SMITHGROUP
PHONE: 303-832-3272

CIVIL ENGINEER: S. A. MIRO, INC
PHONE: 303-741-3737

LANDSCAPE ARCHITECT: OXBOW DESIGN COLLABORATION
PHONE: 720-465-6168

STRUCTURAL ENGINEER: MGA STRUCTURAL ENGINEERS, INC.
PHONE: 719-635-4473

MEPT ENGINEERS: CATOR RUMA & ASSOCIATES CO
PHONE: 303-232-6200

FIRE PROTECTION: TLH FIRE
PHONE: 303-517-1775

AGENCY LIST

CORE ELECTRIC COOPERATIVE
PO DRAWER A
5496 US HWY 85
SEDALIA, CO. 80135
303-688-3100
CONTACT: BROOKS KAUFMAN

GAS-XCEL ENERGY
2070 SOUTH VALENTIA STREET
DENVER, CO. 80231
1-800-628-2121
CONTACT: DESIGN MANAGER

FIRE-SOUTH METRO FIRE RESCUE
9195 E. MINERAL AVE
CENTENNIAL, CO 80112
720-989-2000
CONTACT: RANDY CAPRA

TOWN OF PARKER
PLANNING AND BUILDING DEPT.
20120 E. MAIN STREET
PARKER, CO. 80134
303-841-2332
CONTACT: PAUL WORKMAN

TOWN OF PARKER-PUBLIC WORKS
20120 E. MAIN STREET
PARKER, CO 80134
303-840-9546
CONTACT: MIKE WAUGH

COTTONWOOD WATER & SANITATION DISTRICT
2 INVERNESS DRIVE EAST
ENGLEWOOD, CO
303-792-9509
CONTACT: PATRICK MULHERN/ LAURI TATLOCK

CABLE-COMCAST
8850 S. TUSCON WAY
ENGLEWOOD, CO. 80112
303-603-5605
CONTACT: KEVIN YOUNG

TELEPHONE - CENTURY LINK
LOCAL NETWORK OPERATIONS
9750 E. COSTILLA AVENUE
ENGLEWOOD, CO. 80112
303-792-1840
CONTACT: KAREN CAIME

TRI-COUNTY HEALTH DEPARTMENT
7000 E. BELLEVIEW AVENUE
GREENWOOD VILLAGE, CO. 80111
303-220-9200
CONTACT: CAROL MACLENNAN

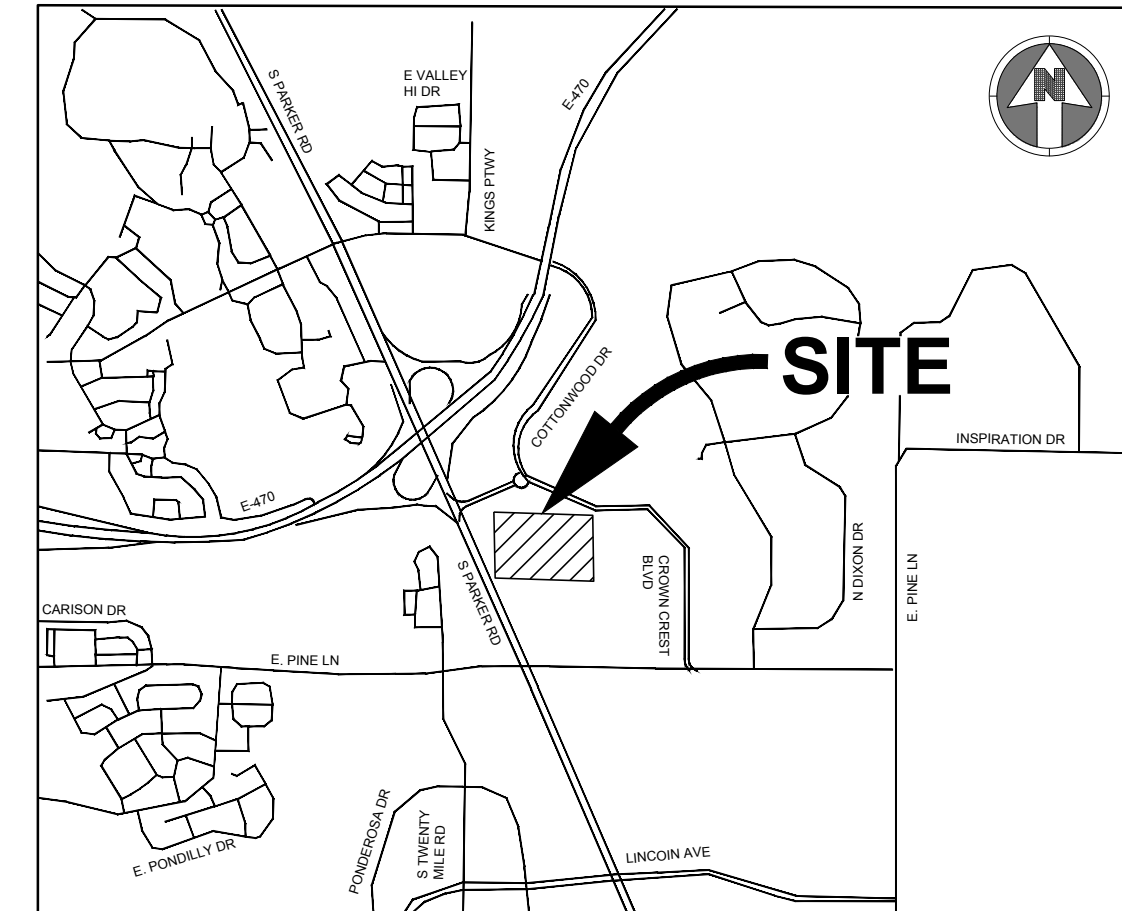
COTTONWOOD WATER AND SANITATION
DISTRICT ENGINEER-KENNEDY JENKS CONSULTING
143 UNION BOULEVARD
SUITE 600
LAKEWOOD, CO 80228
PHONE: 303-985-3636
CONTACTS: TOM NAPOLLILLI

CROWN POINT ARCHITECTURAL
CONTROL COMMITTEE
27905 MEADOW DRIVE, SUITE 11
EVERGREEN, CO 80439 303-674-7856
CONTACT: TIM LEONARD

ALL FIRE HYDRANTS SHALL BE INSTALLED ACCORDING TO WATER UTILITY STANDARDS. THE NUMBER AND LOCATIONS OF THE FIRE HYDRANTS AS SHOWN ON THE OVERALL UTILITY PLAN ARE CORRECT AS SPECIFIED BY THE TOWN OF PARKER, COMMUNITY DEVELOPMENT DEPARTMENT.

Fire Code Official or Designated Representative _____ Date _____

(NOTE - UNDERGROUND FIRE LINE (UFL) SUBMITTAL DOCUMENTS MUST MEET THE REQUIREMENTS OF NFPA 24 WHEN SUBMITTING FOR REVIEW.)



VICINITY MAP
SCALE: 1"=2000'

MATERIALS LIST	
ITEM	QUANTITY
12" DIP	306 LF
8" DIP	74 LF
6" DIP	97 LF
4" DIP	137 LF
FIRE HYDRANT	3
4" WATER METER	1
12" GATE VALVE	2
8" GATE VALVE	1
6" GATE VALVE	3
4" GATE VALVE	1
12"x12" TEE	1
12"x6" TEE	2
12"x8" TEE	1
12"x4" TEE	1
45° BEND	1
22.5° BEND	2
11.25° BEND	1
VERTICAL BEND	4
10" PVC	923
4' MANHOLE	6
DUAL CLEANOUT	1

FIRE FLOW BLOCK

TOTAL FIRE FLOW REQUIRED FOR THIS SITE IS 2,000 GPM MINIMUM @ 20 PSI RESIDUAL PRESSURE
THIS FLOW MUST BE PROVIDED FROM A MINIMUM OF 2 FIRE HYDRANTS
INDIVIDUALLY, EACH FIRE HYDRANT MUST SUPPLY 1500 GPM MINIMUM @ 20 PSI RESIDUAL PRESSURE

CODE USED FOR ANALYSIS: 2018 IFC WITH APPENDICES B, C AND D

OCCUPANCY TYPE: I-2

CONSTRUCTION TYPE: IA

FIRE FLOW CALCULATION AREA: 80,280 SF
TOTAL BUILDING AREA: 80,280 SF

BUILDING IS ANTICIPATED TO BE CONSTRUCTED WITH AN AUTOMATED FIRE SPRINKLER SYSTEM (NFPA 13) SO FIRE FLOW REQUIREMENT HAS BEEN REDUCED BY 50%.

THE DISTRICT INSPECTOR MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION. CALL PARKER WATER AND SANITATION DISTRICT AT 303-841-4627. THE DISTRICT WILL PROVIDE PERIODIC INSPECTIONS OF THE 24 HOUR NOTICE TO THE INSPECTOR IS REQUIRED FOR SCHEDULING INSPECTIONS. ANY WORK ACCOMPLISHED WITHOUT THE APPROVAL OF THE INSPECTOR WILL BE SUBJECT TO REJECTION.

REVIEWED FOR CONFORMANCE TO PARKER WATER AND SANITATION DISTRICT STANDARDS.

BY: _____
(DISTRICT REPRESENTATIVE)

DATE: _____

APPROVED FOR CONSTRUCTION:
PARKER WATER AND SANITATION DISTRICT

BY: _____
(DISTRICT ENGINEER)

DATE: _____

Sheet List Table	
Sheet Number	Sheet Title
A-C500	WATER AND SANITARY COVER SHEET
A-C501	WATER AND SANITARY NOTES AND LEGEND
A-C511	UTILITY PLAN
A-C512	UTILITY PLAN
A-C531	SANITARY PLAN AND PROFILE
A-C532	SANITARY PLAN AND PROFILE
A-C551	WATER AND SANITARY DETAILS
A-C552	WATER AND SANITARY DETAILS
A-C553	WATER AND SANITARY DETAILS

GENERAL NOTES :

- NO VERTICAL CONSTRUCTION ON THIS SITE WILL BE ALLOWED UNTIL SUCH TIME THAT CURB, GUTTER, AND FIRST LIFT ASPHALT ARE INSTALLED. A SITE INSPECTION WILL BE REQUIRED TO ENSURE THAT THIS REQUIREMENT IS MADE PRIOR TO ALLOWING VERTICAL CONSTRUCTION TO COMMENCE

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CONSULTING ENGINEERS
4582 S. Ulster St., Suite 750
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DATE	DESCRIPTION
06/03/2024	1ST TOWN SUBMITTAL
08/16/2024	2ND TOWN SUBMITTAL
10/10/2024	3RD TOWN SUBMITTAL

PROJECT: **ADVENTHEALTH PARKER EXPANSION
PARKER, CO 80138**

DRAWING TITLE: **WATER AND SANITARY COVER SHEET**

FILE PATH: C:\Users\stgh\Documents\S. A. Miros\In-Civil\Jobs\23079_AHP_Expansion\05 CAD\Plans and Details\C500-WATR-SSEW-COVR.dwg C500 - 10/9/2024

REGISTERED PROFESSIONAL ENGINEER
47666
10/09/24

DESIGNED BY: RJH
DRAWN BY: EDS
CHECKED BY: MHV
MIRO JOB NO. 23079

DRAWING NUMBER:
A-C500

MASTER LEGEND:

Table with columns for PROPOSED and EXISTING symbols and their corresponding descriptions: PROPERTY LINE, SECTION LINE, RIGHT OF WAY LINE, CENTER LINE, CURB AND GUTTER, SIDEWALK, WALL, FENCE, SIGN, LIGHT, TREE, MINOR CONTOURS, MAJOR CONTOURS, RIDGE LINE, SPOT ELEVATION, CABLE TV LINE, COMMUNICATION LINE, ELECTRICAL LINE, OVERHEAD ELECTRICAL LINE, FIBER OPTIC LINE, GAS LINE, TELEPHONE LINE, IRRIGATION LINE, RAW WATER LINE, SANITARY SEWER LINE, STEAM LINE, STORM SEWER LINE, WATER LINE, EASEMENT, INLET, FLARED END SECTIONS, CLEANOUT, FIRE HYDRANT, VALVE, WATER FITTINGS, PEDESTAL, UTILITY CROSSING, MANHOLES, LAMBS TONGUE ROOF DRAIN OVERFLOW.

COTTONWOOD WATER AND SANITATION DISTRICT GENERAL NOTES :

- 1. ALL MAINS, SYSTEM PLANS AND CONSTRUCTION SHALL CONFORM TO THE COTTONWOOD WATER AND SANITATION DISTRICT (THE DISTRICT) SPECIFICATIONS AND SHALL BE SUBJECT TO CONSTRUCTION OBSERVATION BY DISTRICT PERSONNEL OR REPRESENTATIVES. ALL MATERIAL AND WORKMANSHIP SHALL BE IN CONFORMANCE WITH DISTRICT SPECIFICATIONS AND STANDARDS.
2. THE OWNER, HIS/HER ENGINEER, OR CONTRACTOR SHALL SCHEDULE A PRECONSTRUCTION MEETING WITH THE DISTRICT MANAGER AND DISTRICT ENGINEER AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION. PLANS WITH THE DISTRICT REVIEW STAMP WILL BE DISTRIBUTED PRIOR TO OR AT THE PRECONSTRUCTION MEETING. NO CONSTRUCTION WILL BE PERMITTED UNTIL FORMAL RECORDING OF EASEMENTS IS COMPLETE. NO CONSTRUCTION WILL BE PERMITTED PRIOR TO THE PRECONSTRUCTION MEETING.
3. ALL WATER MAINS INSTALLED SHALL CONFORM TO DENVER WATER MATERIAL SPECIFICATIONS.
4. DUCTILE IRON PIPE MS-1 AWWA C151 CLASS 50 WITH POLYWRAP
POLYVINYL CHLORIDE (PVC) MS-2 AWWA C900-07 DR14 PVC
5. THE APPROVAL OF THE CONSTRUCTION PLANS SIGNIFIES ONLY THAT THE PLANS MEET THE MINIMUM REQUIREMENTS OF THE DISTRICT'S STANDARDS AND SPECIFICATIONS BASED ON THE INFORMATION PROVIDED BY THE DESIGN ENGINEER, OWNER-DEVELOPER, AND CONTRACTOR. APPROVAL IS NOT A REPRESENTATION OR WARRANTY THAT THE SYSTEM AND ASSOCIATED COMPONENTS WILL PERFORM ANY CERTAIN FUNCTIONS.
6. THE DISTRICT, ITS REPRESENTATIVE, AND/OR THE DISTRICT ENGINEER, IS NOT A GUARANTOR OF THE CONSTRUCTION CONTRACTORS' OBLIGATIONS AND PERFORMANCE OF CONTRACT.
7. OBSERVATION OF WORK IN PROGRESS AND ON-SITE VISITS ARE NOT TO BE CONSTRUED AS A GUARANTEE BY THE DISTRICT OR DISTRICT ENGINEER OF THE CONTRACTOR'S CONTRACTUAL COMMITMENT.
8. THE DISTRICT AND/OR DISTRICT ENGINEER IS NOT RESPONSIBLE FOR SAFETY IN, ON, OR ABOUT THE PROJECT SITE, NOR FOR COMPLIANCE BY THE APPROPRIATE PARTY OF ANY REGULATIONS RELATING THERETO.
9. THE DISTRICT AND/OR DISTRICT ENGINEER, EXERCISES NO CONTROL OF THE SAFETY OR ADEQUACY OF ANY EQUIPMENT, BUILDING COMPONENTS, SCAFFOLDING, FORMS, OR ANY OTHER WORK AIDS USED IN OR ABOUT THE PROJECT, OR IN THE SUPERINTENDING OF THE SAME.
10. THE CONTRACTOR AGREES THAT HE/SHE SHALL 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 APPLY CONTINUOUSLY, AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER, THE DESIGN ENGINEER, OR THE COUNTY.
11. THE CONTRACTOR IS RESPONSIBLE FOR:
A. NOTIFYING ALL CUSTOMERS POSSIBLY AFFECTED BY OUTAGE OF WATER OR SEWER SERVICE DURING CONSTRUCTION PRIOR TO SHUTTING OFF SAID SERVICE.
B. OBTAINING, AT THE CONTRACTOR'S EXPENSE, ALL APPLICABLE LICENSES, PERMITS, BONDS, ETC. REQUIRED FOR MAIN INSTALLATION/SYSTEM MODIFICATIONS.
C. CONTACTING THE DISTRICT FOR A PRE-CONSTRUCTION MEETING AT 303-649-9857. CONSTRUCTION CANNOT START FOR AT LEAST 48 HOURS AFTER THE MEETING HAS BEEN HELD.
D. NOTIFYING THE DISTRICT 48 HOURS IN ADVANCE OF ANY NEEDS TO SHUT DOWN ANY PORTION OF THE EXISTING WATER AND/OR SANITARY SEWER SYSTEM.
E. NOTIFYING THE DISTRICT 48 HOURS IN ADVANCE FOR CONSTRUCTION OBSERVATIONS.
F. IN CASE OF AN EMERGENCY AFTER WORKING HOURS CALL THE DISTRICT OFFICE AT (303) 426-3167 FOR RECORDED INSTRUCTIONS.
12. UNDERGROUND UTILITIES IN THE AREA OF CONSTRUCTION HAVE BEEN LOCATED FROM FIELD INVESTIGATION AND THE BEST AVAILABLE UTILITY RECORDS AND ARE APPROXIMATE ONLY. THE DISTRICT ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITY LOCATIONS. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITY LINES WHETHER SHOWN ON THE PLANS OR NOT. THE CONTRACTOR SHALL COORDINATE HIS/HER ACTIVITIES WITH THE AFFECTED UTILITY COMPANIES AND SHALL NOTIFY THE UTILITY NOTIFICATION CENTER, PHONE NO. 1-800-922-1987, 48 HOURS PRIOR TO STARTING CONSTRUCTION.
13. CONTRACTOR SHALL PERFORM POTHOLING ON EXISTING UTILITIES PRIOR TO THE CONSTRUCTION OF THE WATER AND/OR SANITARY SEWER LINES. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE INSTALLATION COST OF THE PIPELINE.
14. THE CONTRACTOR SHALL HAVE IN HIS/HER POSSESSION AT ALL TIMES ONE (1) SIGNED COPY OF THE PROJECT PLANS SIGNED BY THE DISTRICT.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ANY EXISTING SIGNS, STRUCTURES, FENCES, ETC ENCOUNTERED ON THE JOB AND RESTORING THEM TO THEIR ORIGINAL CONDITION.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ANY GROUNDWATER ENCOUNTERED DURING THE CONSTRUCTION OF ANY PORTION OF THIS PROJECT. GROUNDWATER SHALL BE PUMPED, PIPED, REMOVED AND DISPOSED OF IN A MANNER WHICH DOES NOT CAUSE FLOODING OF EXISTING STREETS NOR EROSION ON ABUTTING PROPERTIES IN ORDER TO CONSTRUCT THE IMPROVEMENTS SHOWN ON THESE PLANS. USE OF THE DISTRICTS SEWER SYSTEM FOR THE DISPOSAL OF GROUND WATER IS PROHIBITED WITHOUT WRITTEN CONSENT FROM THE DISTRICT. NO CONCRETE SHALL BE PLACED WHERE GROUNDWATER IS VISIBLE OR UNTIL THE GROUNDWATER TABLE HAS BEEN LOWERED BELOW THE PROPOSED IMPROVEMENTS. ANY UNSTABLE AREAS, AS A RESULT OF GROUNDWATER, ENCOUNTERED DURING THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS SHALL BE STABILIZED AS AGREED UPON BY THE DISTRICT AND THE DESIGN ENGINEER AT THE TIME OF THE OCCURRENCE.
17. IT SHALL BE THE DESIGN ENGINEER'S RESPONSIBILITY TO RESOLVE CONSTRUCTION PROBLEMS WITH THE DISTRICT DUE TO CHANGED CONDITIONS ENCOUNTERED DURING THE PROGRESS OF ANY PORTION OF THE PROPOSED WORK. IF, IN THE OPINION OF THE DISTRICT, PROPOSED ALTERATIONS TO THE SIGNED CONSTRUCTION PLANS INVOLVES SIGNIFICANT CHANGES TO THE CHARACTER OF THE WORK, OR TO FUTURE CONTIGUOUS PUBLIC OR PRIVATE IMPROVEMENTS, THE DESIGN ENGINEER SHALL BE RESPONSIBLE FOR SUBMITTING REVISED PLANS TO THE DISTRICT FOR REVIEW PRIOR TO ANY FURTHER CONSTRUCTION RELATED TO THAT PORTION OF THE WORK.
18. THE OWNER IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH PLAN REVIEW AND CONSTRUCTION OBSERVATION.
19. MAINTAIN MINIMUM OF 10 FEET SEPARATION BETWEEN WATER AND SANITARY SEWER MAINS AND SERVICES IN ACCORDANCE WITH COLORADO STATE DEPARTMENT OF HEALTH AND ENVIRONMENT STANDARDS.
20. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE A TRAFFIC CONTROL PLAN TO DOUGLAS COUNTY AND TO CDOT PRIOR TO ISSUANCE OF A STREET CUT PERMIT.
21. SHOP DRAWINGS ARE TO BE SUBMITTED AT LEAST 48 HOURS PRIOR TO THE INSTALLATION OF ANY MATERIALS FOR ALL PIPES, FITTINGS AND APPURTENANCES.

COTTONWOOD WATER NOTES :

- 1. EXISTING VALVES IN THE DISTRICT SERVICE AREA MAY ONLY BE OPERATED BY DISTRICT PERSONNEL.
2. BEFORE ANY TAPS ARE MADE TO MAINS, APPLICATION(S) FOR THE TAPS MUST BE RECEIVED AND APPROVED BY THE DISTRICT.
3. IRRIGATION DEMANDS MUST BE FORMALLY SUBMITTED FOR ALL PROJECT REQUIRING WATER FOR LANDSCAPING PURPOSES.
4. FINAL PLUMBING PLANS MUST BE RECEIVED AND REVIEWED BY THE DISTRICT ENGINEER BEFORE WATER SERVICE TAPS CAN BE AWARDED IN ORDER TO PERFORM FIXTURE UNIT ANALYSIS TO VERIFY TAP SIZE FOR ALL COMMERCIAL, INDUSTRIAL AND MULTI-FAMILY DEVELOPMENTS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROCUREMENT OF ALL PERMITS NECESSARY FOR THE CONSTRUCTION OF THE WATER LINE WORK.
6. PRIOR TO INSTALLATION OF WATER MAINS, ROAD CONSTRUCTION MUST HAVE PROGRESSED TO AT LEAST THE "SUB-GRADE" STAGE. SUB-GRADE IS DEFINED AS AN ELEVATION OF NO MORE THAN SEVEN (7) INCHES BELOW THE FINISHED STREET GRADE. THE CONTRACTOR WILL ADJUST ALL VALVE BOXES AND FIRE HYDRANTS TO THE FINAL FINISHED GRADE.
7. ALL WATER MAINS SHALL HAVE A MINIMUM OF FOUR AND ONE-HALF (4-1/2) FEET OF COVER AND ARE TO BE THREE (3) FEET FROM THE EDGE OF THE GUTTER PAN.
8. DISTANCE FOR WATERLINES IS THE HORIZONTAL DISTANCE BETWEEN CENTER OF FITTING TO CENTER OF VALVE, METER, ETC. THEREFORE, THE DISTANCES SHOWN ON THE PLANS ARE APPROXIMATE AND COULD VARY DUE TO VERTICAL ALIGNMENT AT FITTING DIMENSIONS.
9. ALL HYDRANT LATERALS AND FIRE LINES SHALL BE DUCTILE IRON PIPE CLASS 50 AND FULLY RESTRAINED WITH POLYWRAP.
10. ALL WATER LINE VALVES SHALL BE SET AT THE INTERSECTION OF THE EXTENDED PROPERTY LINE AND WATER LINE, EXCEPT WHERE THAT POINT FALLS IN THE FLOW LINE OF A CONCRETE CROSS PAN. IN THAT CASE, THE VALVE SHALL BE LOCATED SO THAT THE SURFACE DRAINAGE DOES NOT INFILTRATE THE VALVE BOX. IF A TAPPING TEE IS NOT LOCATED ON A PROPERTY LINE THEN THE ASSOCIATED VALVE WILL NOT BE REQUIRED AS SHOWN ON THE PLANS. VALVE BOXES SHALL BE SET AT AN ELEVATION IN ACCORDANCE WITH COUNTY PAVING REQUIREMENTS.
11. ALL VALVES, VALVE BOXES, CURB STOPS AND/OR METER PIT COVERS SHALL HAVE THE WORD "WATER" STAMPED ON THEM. ALL POTABLE WATER VALVES SHALL BE OPENED IN A CLOCKWISE DIRECTION. ALL VALVE BOXES AND FIRE HYDRANTS WILL BE ADJUSTED TO THE FINAL FINISHED GRADE BY THE CONTRACTOR.
12. ALL IRRIGATION AND NON-POTABLE PIPE SHALL BE PURPLE IN COLOR OR SHALL BE LABELED WITH PURPLE TAPE READING "CAUTION NONPOTABLE WATER" ALONG THE FULL LENGTH OF THE PIPE.
13. POLYETHYLENE WRAPPINGS SHALL BE INSTALLED AROUND ALL DUCTILE IRON PIPE, FITTINGS, VALVES, FIRE HYDRANT BARRELS, AND RODS AND CLAMPS. THE POLYETHYLENE SHALL HAVE A MINIMUM THICKNESS OF EIGHT (8) MILS.
14. TRACER WIRE, GAUGE 12 COPPER, SHALL BE INSTALLED ON ALL WATER LINES, FIRE HYDRANTS LATERALS AND APPURTENANCES.
15. INDIVIDUAL SERVICE LINES ARE REQUIRED TO HAVE PRV'S WHEN SYSTEM PRESSURE EXCEEDS 80 PSI IN ACCORDANCE WITH UNIFORM PLUMBING CODE.
16. A BACKFLOW PREVENTION DEVICE APPROVED BY DENVER WATER IS REQUIRED ON THE TREATED WATER SERVICE LINE FOR:
A. ALL COMMERCIAL AND MULTI-FAMILY DOMESTIC TAPS.
B. FIRE LINES
17. ALL WATER LINES SHALL BE CHLORINATED IN ACCORDANCE WITH AWWA C-651, "DISINFECTING WATER MAINS." THE REQUIRED METHOD IS TO USE SUFFICIENT CHLORINE TABLET TO PRODUCE A 25 MG/L SOLUTION. THESE TABLETS SHALL BE ADHERED TO THE TOP OF THE PIPE WITH A FOOD GRADE ADHESIVE SUCH AS PERMATED CLEAR R.T.V. CHLORINATION OF 16-INCH AND LARGER PIPE REQUIRE A CHLORINE SLURRY. THE CHLORINATION OF ANY FINISHED PIPELINE SHALL BE COMPLETED PRIOR TO HYDROSTATIC TESTING.
18. THE WATER QUALITY CONTROL DIVISION OF THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT (CDPHE) REQUIRES ALL WATER LINE CONTRACTORS TO POSSESS A CURRENT DISCHARGE PERMIT FOR DISCHARGES OF CHLORINATED AND PROCESS WATERS ASSOCIATED WITH THE INSTALLATION OF NEW MAINS OR CONDUITS. CONTACT CDPHE WATER QUALITY CONTROL DIVISION AT (303) 692-3539 FOR INFORMATION ON OBTAINING THE REQUIRED PERMIT.
19. HYDROSTATIC TESTING: ALL WATER LINES SHALL BE HYDROSTATIC TESTED IN ACCORDANCE WITH AWWA C-600 SECTION 4 "HYDROSTATIC TESTING". ALL WATER LINES SHALL BE TESTED TO A MINIMUM OF 150 PSI. THE TEST SHALL BE SCHEDULED WITH THE DISTRICT AUTHORITY AND COORDINATED WITH ANY OTHER REVIEWING OR APPROVING AGENCY. THE CONTRACTOR SHALL FURNISH ALL EQUIPMENT FOR TESTING. THE ALLOWABLE LEAKAGE RATES ARE AS FOLLOWS:

Table with columns: PIPE I.D., ALLOWABLE LEAKAGE PER 1000 FEET, D.I.P., PVC. Rows for 4", 6", 8", 12", 16", 20" pipe sizes.

- 20. ONLY ONE (1) POINT OF CONNECTION WILL BE ALLOWED UNTIL ALL TESTING OF NEW INSTALLATIONS IS COMPLETED TO THE DISTRICT'S SATISFACTION.
21. PROBATIONARY ACCEPTANCE OF THE NEW WATER LINES IS CONTINGENT UPON RECEIVING COPIES OF:
A. PASSING WATER LINE TRENCH COMPACTION TEST RESULTS;
B. PASSING HYDROSTATIC PRESSURE TEST RESULTS;
C. RECORD DRAWINGS
D. PASSING HEALTH DEPARTMENT TESTS (CHLORINE AND/OR CLEAR WATER AS REQUIRED)
22. THE COST OF THE WATER LINE CONSTRUCTION IS \$_____
23. THE STATIC PRESSURE MEASURED AT THE FIRE HYDRANT LOCATED AT THE PARKER ADVENTIST HOSPITAL IS 90 PSI. PLEASE INTERPOLATE TO DETERMINE THE PRESSURE AT THE CONNECTION TO THE EXISTING SYSTEM. 9395 CROWN CREST BLVD, PARKER, CO 80138

COTTONWOOD SANITARY SEWER NOTES :

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROCUREMENT OF ALL PERMITS NECESSARY FOR THE CONSTRUCTION OF THE SANITARY SEWER LINE WORK.
2. THE CONTRACTOR IS RESPONSIBLE FOR:
A. NOTIFYING THE DISTRICT 48 HOURS IN ADVANCE OF ANY NEED TO SHUT DOWN ANY PORTION OF THE EXISTING SANITARY SEWER SYSTEM.
B. NOTIFYING THE DISTRICT 48 HOURS IN ADVANCE OF THE WORK.
C. IN CASE OF AN EMERGENCY AFTER WORKING HOURS, CALL THE DISTRICT OFFICE AT (303) 986-2275 FOR RECORDED INSTRUCTIONS.
3. UNDERDRAINS ARE NOT PART OF THE SANITARY SEWER LINES OR SYSTEM AND WILL NOT BE ALLOWED IN THE SAME TRENCH AS THE SANITARY SEWER MAINS. UNDERDRAINS SHALL NOT BE ACCEPTED, MAINTAINED OR SUBJECT TO CONSTRUCTION OBSERVATION BY THE DISTRICT. THE DISTRICT HAS NO SPECIFICATIONS FOR UNDERDRAINS AND WILL ONLY REVIEW THEIR PROPOSED LOCATION RELATIVE TO THE SANITARY SEWER LINES.
4. THE CONTRACTOR SHALL VERIFY EXISTING MANHOLE INVERTS TO BE CONNECTED TO PRIOR TO CONSTRUCTION STAKING AND CONSTRUCTION.
5. PRIOR TO INSTALLATION OF SANITARY SEWER MAINS, ROAD CONSTRUCTION MUST HAVE PROGRESSED TO AT LEAST THE SUB-GRADE STAGE. SUB-GRADE IS DEFINED AS AN ELEVATION OF NO MORE THAN SEVEN (7) INCHES BELOW THE FINISHED STREET GRADE. THE CONTRACTOR SHALL ADJUST ALL MANHOLE COVERS TO THE FINAL FINISHED GRADE.
6. THE LENGTH OF SANITARY SEWER IS THE HORIZONTAL DISTANCE BETWEEN CENTERS OF MANHOLE. THEREFORE DISTANCES SHOWN ON THE PLANS ARE APPROXIMATE AND COULD VARY DUE TO VERTICAL ALIGNMENT AND MANHOLE DIMENSIONS.
7. THE PIPE USED FOR SANITARY SEWER MAINS SHALL BE IN ACCORDANCE WITH ASTM D-3034 SDR 35 PVC PIPE IN PAVED RIGHTS-OF-WAY AND EASEMENTS, AND AWWA C-900 CLASS 165 (DR25) IN UNPAVED EASEMENTS OR AS NOTED ON THE PROJECT PLANS.
8. MANHOLE RIMS SHALL BE SET AT AN ELEVATION RELATIVE TO THE PAVEMENT, IN ACCORDANCE WITH COUNTY STANDARDS. WHETHER THE MANHOLE IS IN A PAVED OR UNPAVED GRADE, A MAXIMUM ACCEPTABLE VERTICAL ADJUSTMENT UTILIZING CONCRETE RINGS IS TWELVE (12) INCHES.
9. THE CONTRACTOR SHALL TAKE CARE TO PROPERLY SHAPE ALL MANHOLE INVERTS AND BENCHES IN ACCORDANCE WITH DISTRICT STANDARDS AND SPECIFICATIONS, TO PROMOTE SMOOTH FLOW THROUGH THE MANHOLE. INVERTS OF LINES INTERSECTING AT 90 DEGREES AND AT HIGHLY DIVERGENT OR FLAT SLOPES ARE ESPECIALLY CRITICAL. MANHOLE INVERTS SHALL BE CONSTRUCTED WITH A SMOOTH TROWEL FINISH, AND BENCHES FINISHED WITH A LIGHT BROOM, NON-SKID FINISH.
10. TRACER WIRE, GAUGE 12 COPPER, SHALL BE INSTALLED ON ALL SEWER LINES, MANHOLES, AND CLEANOUTS.
11. THE SANITARY SEWER SERVICE SHALL BE STUBBED OUT. THE END OF THE STUB SHALL BE WITNESSED BY A WOOD, CARSONITE OR METAL POST AT LEAST FOUR FEET LONG, BURIED TO EXPOSE ONE FOOT. THE CONTRACTOR SHALL FURNISH THE AUTHORITY WITH AN AS-BUILT LOCATION OF THE WYE.
12. THE SANITARY SEWER SYSTEM WILL BE TESTED IN ACCORDANCE WITH THE DISTRICT STANDARDS AND SPECIFICATIONS. THE DISTRICT WILL REQUIRE THE DEVELOPER TO:
A. LOW PRESSURE AIR TEST 100% OF THE NEW SYSTEM, AND
B. DEFLECTION TEST, AT A MINIMUM 33% OF THE SYSTEM FIFTEEN (15) FEET OR LESS IN DEPTH, AND 100% OF THE SYSTEM GREATER THAN FIFTEEN (15) FEET IN DEPTH.
C. JET AND TV/VIDEO TAPE 100% OF THE SYSTEM.
13. PROBATIONARY ACCEPTANCE OF THE NEW SANITARY SEWER MAINS IS CONTINGENT UPON RECEIVING COPIES OF:
A. SANITARY SEWER TRENCH COMPACTION TEST RESULTS,
B. RECORD DRAWINGS, AND
C. COMPLETION OF SYSTEM TESTING.
14. CONNECTIONS TO EXISTING DISTRICT LINES WILL BE PERMITTED UPON ACCEPTANCE OF THE NEW SANITARY SEWER SYSTEM. EXISTING PIPE AT THE POINT OF CONNECTION SHALL NOT BE "BROKEN OUT" UNTIL THE NEW SYSTEM IS ACCEPTED.
15. MONITORING MANHOLES ARE REQUIRED FOR ALL COMMERCIAL AND INDUSTRIAL SANITARY SERVICE LINES.
16. PIPE BEDDING UP TO 16-FEET IN DEPTH IS TO BE SQUEEGEE. PIPE BEDDING IN EXCESS OF 16-FEET IN DEPTH IS TO BE 3/4-INCH AGGREGATE. PIPE BEDDING IN EXCESS OF 22-FEET MUST BE SPECIFIED BY THE DISTRICT ENGINEER.

ABBREVIATIONS:

Table with columns for abbreviations and their corresponding descriptions: BFV BUTTERFLY VALVE, BOV BLOW OFF VALVE, BW BOTTOM OF WALL @ FINISHED GRADE, CL CENTERLINE, CMP CORRUGATED METAL PIPE, EJ EXPANSION JOINT, ELEC. ELECTRIC, ELEV. ELEVATION, EX EXISTING, FES FLARED END SECTION, FG FINISHED GRADE, FS FINISHED SURFACE, FL FLOWLINE, GB GRADE BREAK, HP HIGH POINT, FH FIRE HYDRANT, INV. INVERT, IRR IRRIGATION, KB KICK BLOCK, LF LINEAR FEET, LP LOW POINT, LT LEFT, ME MATCH EXISTING, MH MANHOLE, PC POINT OF CURVATURE, PCC POINT OF COMPOUND CURVATURE, PCR POINT OF CURB RETURN, PI POINT OF INTERSECTION, PRC POINT OF REVERSE CURVATURE, PT POINT OF TANGENCY, PVC POLYVINYL CHLORIDE, RCP REINFORCED CONCRETE PIPE, RCN REINFORCED CONCRETE BOX, RL RIDGE LINE, ROW RIGHT OF WAY, RT RIGHT, SD STORM DRAINAGE SEWER, SS SANITARY SEWER, STA. STATION, STRM STORM SEWER, TOF TOP OF FLANGE, TOP TOP OF PIPE, TW TOP OF WALL @ FINISHED GRADE, TYP. TYPICAL, VCP VITRIFIED CLAY PIPE, VPC VERTICAL POINT OF CURVATURE, VPI VERTICAL POINT OF INTERSECTION, VPT VERTICAL POINT OF TANGENCY, WATR WATER LINE

THE TOWN OF PARKER REVIEW CONSTITUTES GENERAL COMPLIANCE WITH TOWN'S STANDARDS AND APPROVED VARIANCES, SUBJECT TO THESE PLANS BEING STAMPED, SIGNED, AND DATED BY THE PROFESSIONAL ENGINEER OF RECORD. REVIEW BY THE TOWN DOES NOT CONSTITUTE APPROVAL OF THE PLAN DESIGN OR ACCURACY AND CORRECTNESS OF ENGINEERING CALCULATIONS. ERRORS IN THE DESIGN OR CALCULATIONS REMAIN THE RESPONSIBILITY OF THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE ARE AFFIXED TO THIS DOCUMENT.
THIS REVIEW DOES NOT CONSTITUTE APPROVAL OF ANY PRIVATE ON-SITE IMPROVEMENTS WHICH MAY BE SHOWN. CONSTRUCTION CANNOT COMMENCE UNTIL ALL REQUIRED DRAINAGE/TRAFFIC REPORT(S), FINAL DEVELOPMENT PLAN(S), SPECIAL REVIEW(S), GRADING PERMIT, AND/OR OTHER PERMITS ARE COMPLETE, APPROVED AND ON FILE WITH THE TOWN OF PARKER

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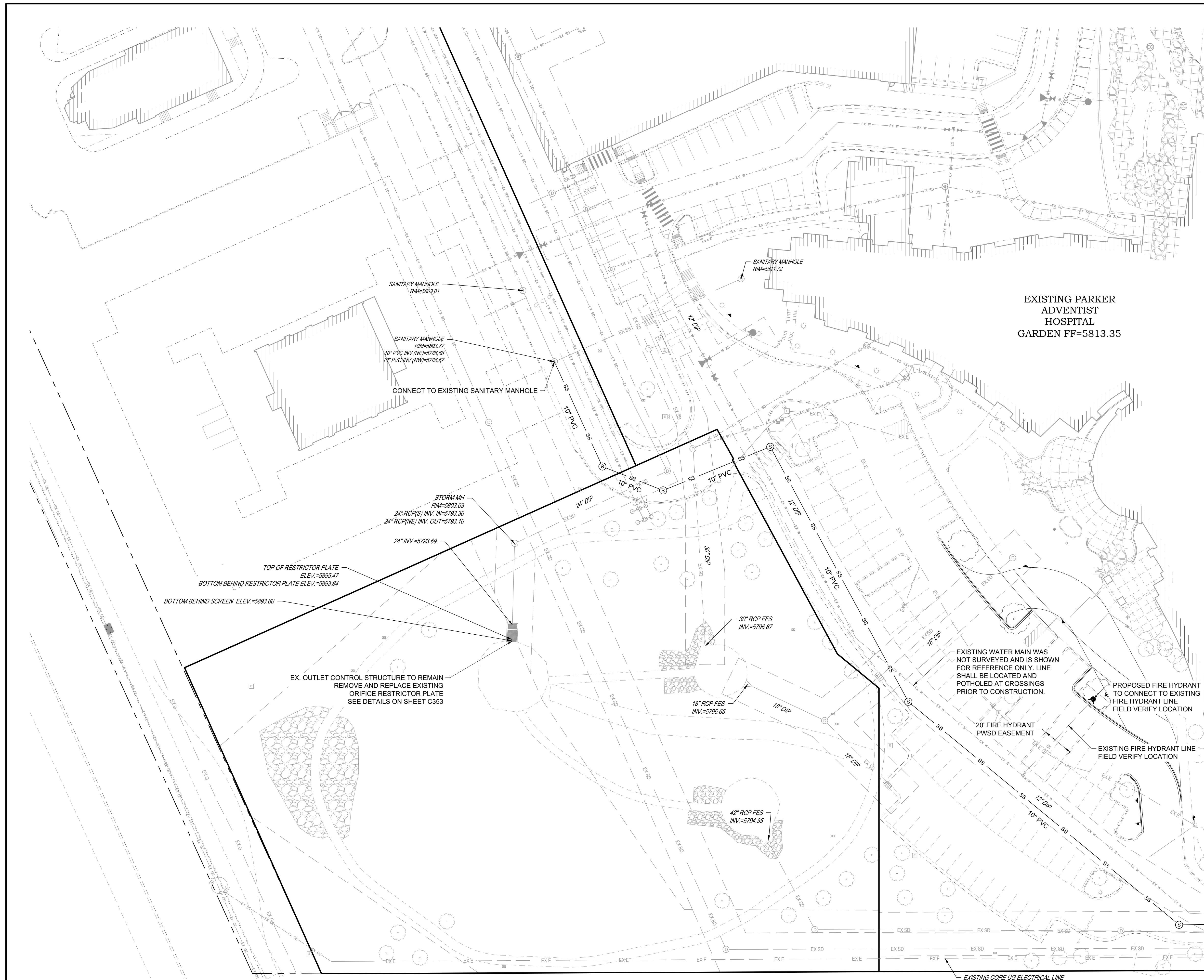
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Table with columns: DATE, DESCRIPTION, NO. Rows for 1ST TOWN SUBMITTAL, 2ND TOWN SUBMITTAL, 3RD TOWN SUBMITTAL.

PROJECT: ADVENTHEALTH PARKER EXPANSION PARKER, CO 80138
DRAWING TITLE: WATER AND SANITARY NOTES AND LEGEND
FILE PATH: C:\Users\ghj\Documents\S.A. Miro, Inc.\Civil\Jobs\23079_AHP_Expansion\05 CAD\Plans and Details\C500-WATR-SSEW-COVV.dwg C501 - 10/09/2024



Table with columns: DESIGNED BY: RJH, DRAWN BY: EDS, CHECKED BY: MHV, MIRO JOB NO. 23079, DRAWING NUMBER: A-C501



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LEGEND:

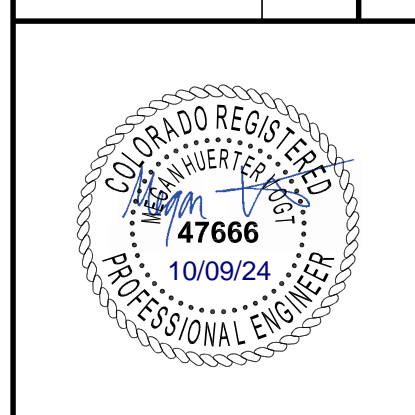
---	EX E	EXISTING SURVEYED ELECTRICAL LINE
---	EX FO	EXISTING SURVEYED FIBER OPTIC LINE
---	EX G	EXISTING SURVEYED GAS LINE
---	EX T	EXISTING SURVEYED TELEPHONE LINE
---	EX SS	EXISTING SURVEYED SANITARY LINE
---	EX SD	EXISTING SURVEYED STORM LINE
---	EX W	EXISTING SURVEYED WATER LINE
---	EX E	EXISTING DESIGNED ELECTRICAL LINE
---	EX G	EXISTING DESIGNED GAS LINE
---	EX SS	EXISTING DESIGNED SANITARY LINE
---	EX SD	EXISTING DESIGNED STORM LINE
---	EX W	EXISTING DESIGNED WATER LINE
---	---	EXISTING EASEMENT
[Symbol]	---	EXISTING STORM INLET
[Symbol]	---	EXISTING CLEANOUT
[Symbol]	---	EXISTING FIRE HYDRANT
[Symbol]	---	EXISTING WATER VALVE
[Symbol]	---	EXISTING MANHOLES
---	E	PROPOSED ELECTRICAL LINE
---	FO	PROPOSED FIBER OPTIC LINE
---	G	PROPOSED GAS LINE
---	T	PROPOSED TELEPHONE LINE
---	SS	PROPOSED SANITARY LINE
---	SD	PROPOSED STORM LINE
---	W	PROPOSED WATER LINE
[Symbol]	---	PROPOSED STORM INLET
[Symbol]	---	PROPOSED CLEANOUT
[Symbol]	---	PROPOSED FIRE HYDRANT
[Symbol]	---	PROPOSED WATER VALVE
[Symbol]	---	PROPOSED WATER FITTINGS
[Symbol]	---	PROPOSED MANHOLES

DATE	DESCRIPTION
06/03/2024	1ST TOWN SUBMITTAL
08/16/2024	2ND TOWN SUBMITTAL
10/10/2024	3RD TOWN SUBMITTAL

PROJECT: **ADVENTHEALTH PARKER EXPANSION
 PARKER, CO 80138**

DRAWING TITLE: **UTILITY PLAN**

FILE PATH:



DESIGNED BY: R/JH
 DRAWN BY: EDS
 CHECKED BY: MHV
 MIRO JOB NO. 23079

DRAWING NUMBER:
A-C511

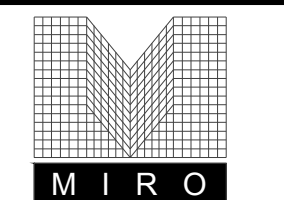
ALL FIRE HYDRANTS SHALL BE INSTALLED ACCORDING TO WATER UTILITY STANDARDS. THE NUMBER AND LOCATIONS OF THE FIRE HYDRANTS AS SHOWN ON THE OVERALL UTILITY PLAN ARE CORRECT AS SPECIFIED BY THE TOWN OF PARKER, COMMUNITY DEVELOPMENT DEPARTMENT.

Fire Code Official or Designated Representative _____ Date _____

(NOTE - UNDERGROUND FIRE LINE (UFL) SUBMITTAL DOCUMENTS MUST MEET THE REQUIREMENTS OF NFPA 24 WHEN SUBMITTING FOR REVIEW.)

SEE SHEET A-C512

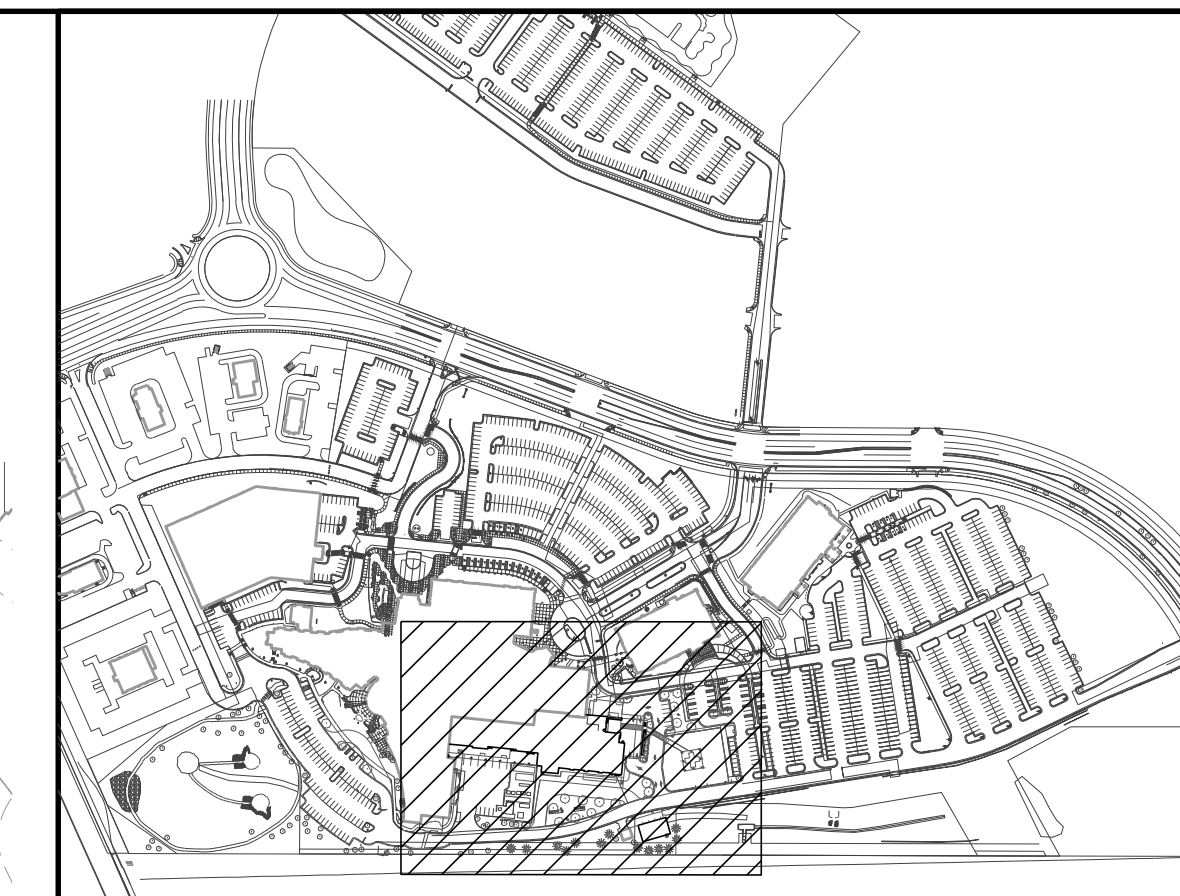
EXISTING CORE UG ELECTRICAL LINE
 SKETCHED IN PER CORE MARKUP
 NOT SURVEYED
 LOCATE IN FIELD PRIOR TO CONSTRUCTION



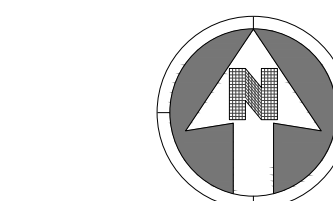
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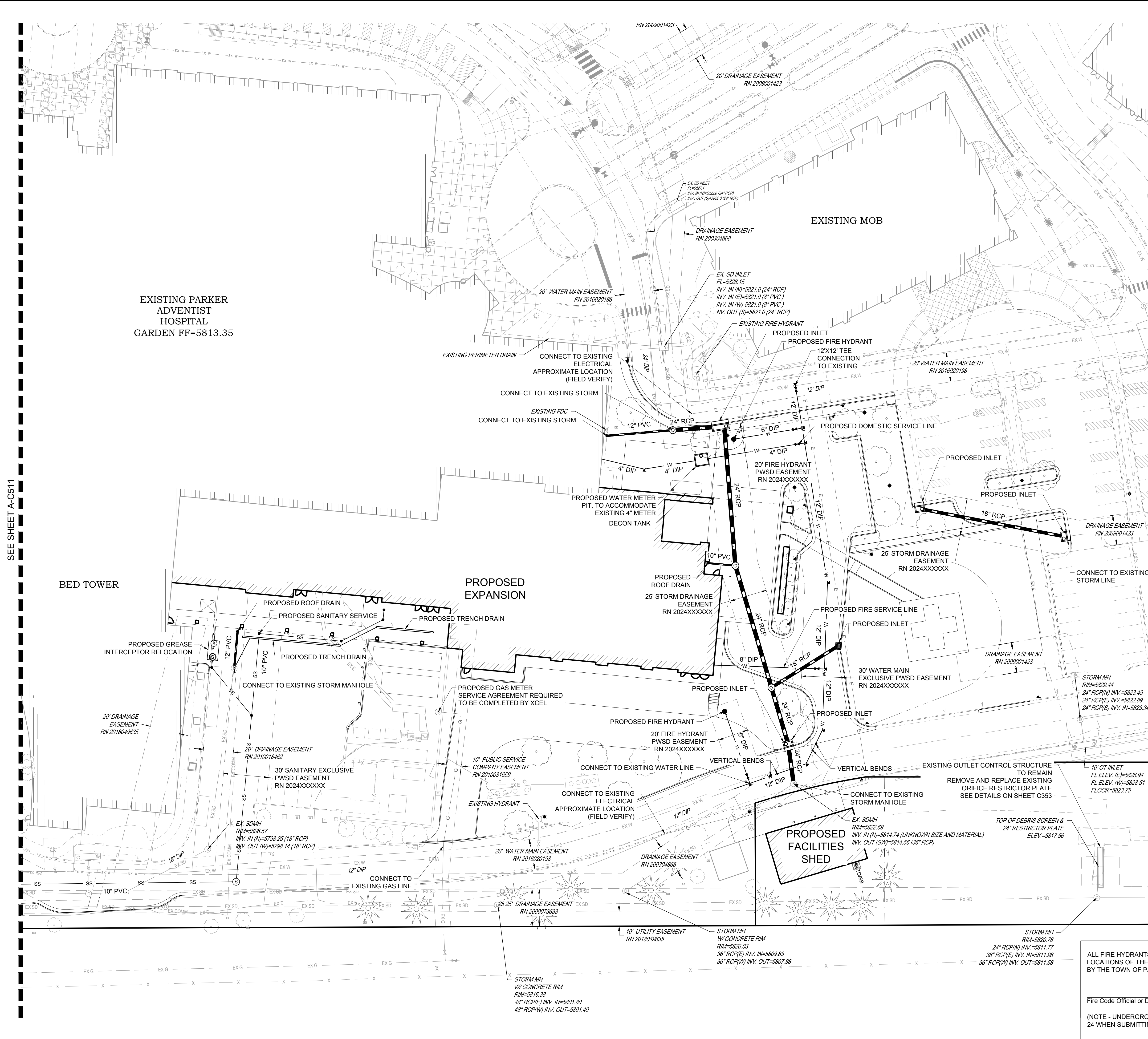
KEYMAP
 NTS



30 0 30
 SCALE: 1" = 30'

LEGEND:

- EXE — EXISTING SURVEYED ELECTRICAL LINE
- EX FO — EXISTING SURVEYED FIBER OPTIC LINE
- EX G — EXISTING SURVEYED GAS LINE
- EX T — EXISTING SURVEYED TELEPHONE LINE
- EX SS — EXISTING SURVEYED SANITARY LINE
- EX SD — EXISTING SURVEYED STORM LINE
- EX W — EXISTING SURVEYED WATER LINE
- EX DES — EXISTING DESIGNED ELECTRICAL LINE
- EX GAS — EXISTING DESIGNED GAS LINE
- EX SS — EXISTING DESIGNED SANITARY LINE
- EX SD — EXISTING DESIGNED STORM LINE
- EX W — EXISTING DESIGNED WATER LINE
- EX E — EXISTING EASEMENT
- EXE — EXISTING STORM INLET
- EXE — EXISTING CLEANOUT
- EXE — EXISTING FIRE HYDRANT
- EXE — EXISTING WATER VALVE
- EXE — EXISTING MANHOLES
- E — PROPOSED ELECTRICAL LINE
- FO — PROPOSED FIBER OPTIC LINE
- G — PROPOSED GAS LINE
- T — PROPOSED TELEPHONE LINE
- SS — PROPOSED SANITARY LINE
- SD — PROPOSED STORM LINE
- W — PROPOSED WATER LINE
- SD — PROPOSED STORM INLET
- E — PROPOSED CLEANOUT
- E — PROPOSED FIRE HYDRANT
- E — PROPOSED WATER VALVE
- E — PROPOSED WATER FITTINGS
- T — PROPOSED MANHOLES



EXISTING PARKER
 ADVENTIST
 HOSPITAL
 GARDEN FF=5813.35

BED TOWER

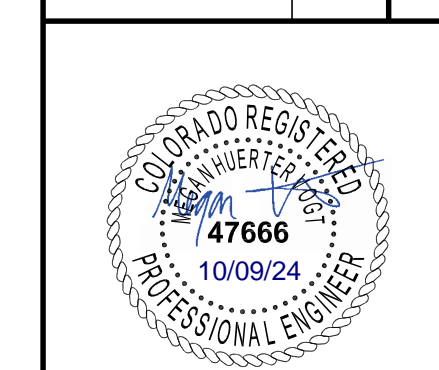
PROPOSED
 EXPANSION

PROPOSED
 FACILITIES
 SHED

DATE	DESCRIPTION
06/03/2024	1ST TOWN SUBMITTAL
08/16/2024	2ND TOWN SUBMITTAL
10/10/2024	3RD TOWN SUBMITTAL

PROJECT: **ADVENTHEALTH PARKER EXPANSION
 PARKER, CO 80138**

DRAWING TITLE: **UTILITY PLAN**



DESIGNED BY: RJH
 DRAWN BY: EDS
 CHECKED BY: MHV
 MIRO JOB NO. 23079

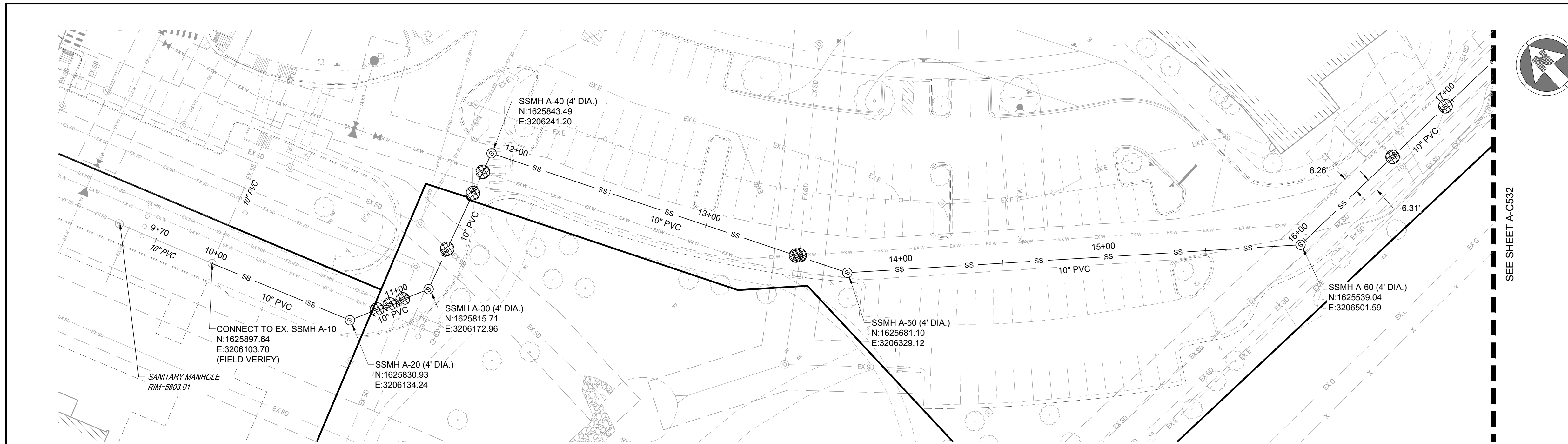
DRAWING NUMBER:
A-C512

ALL FIRE HYDRANTS SHALL BE INSTALLED ACCORDING TO WATER UTILITY STANDARDS. THE NUMBER AND LOCATIONS OF THE FIRE HYDRANTS AS SHOWN ON THE OVERALL UTILITY PLAN ARE CORRECT AS SPECIFIED BY THE TOWN OF PARKER, COMMUNITY DEVELOPMENT DEPARTMENT.

Fire Code Official or Designated Representative _____ Date _____

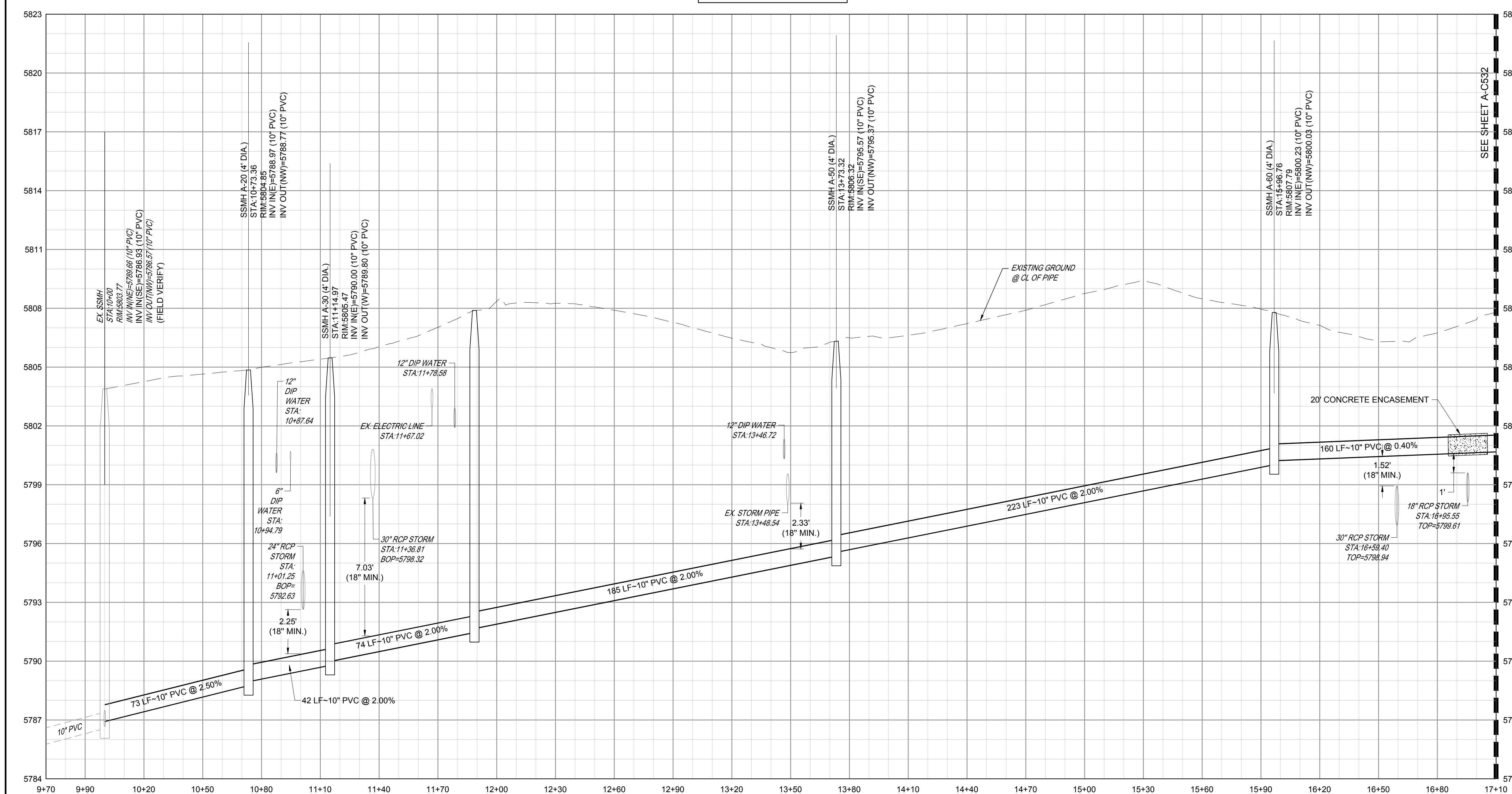
(NOTE - UNDERGROUND FIRE LINE (UFL) SUBMITTAL DOCUMENTS MUST MEET THE REQUIREMENTS OF NFPA 24 WHEN SUBMITTING FOR REVIEW.)

SEE SHEET A-C511

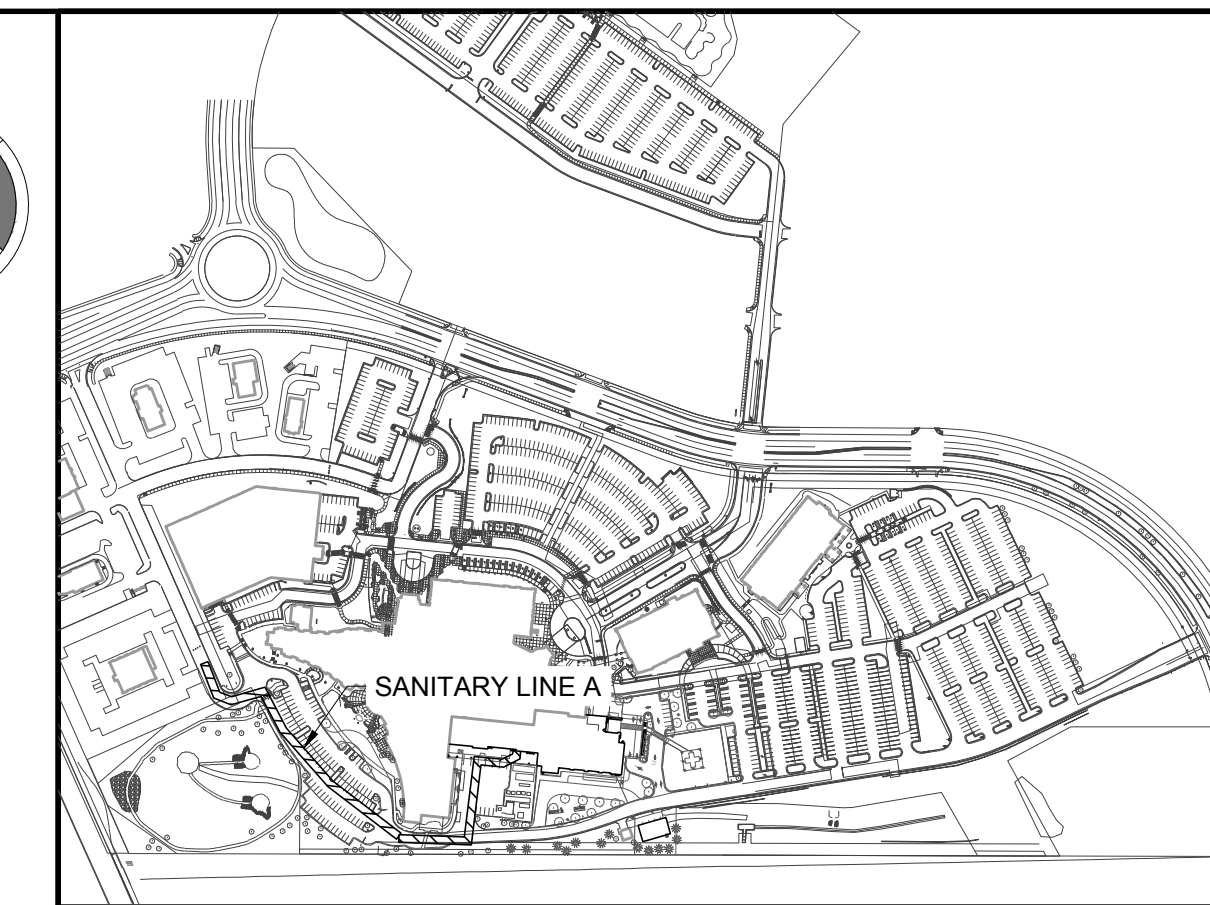


SANITARY LINE A PLAN

VERTICAL SCALE: 1"=3'
HORIZONTAL SCALE: 1"=30'



SANITARY LINE A PROFILE



KEYMAP
NTS
SCALE: 1" = 30'

- NOTES:
- SEE SHEET A-C501 FOR SANITARY NOTES AND LEGEND.
 - ALL EXISTING DRY UTILITIES ARE ASSUMED TO BE 3' DEEP TO TOP OF PIPE.
 - ALL EXISTING WATER LINES ARE ASSUMED TO BE 4.5' DEEP TO TOP OF PIPE.
 - THE CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITY CROSSINGS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY POTENTIAL CONFLICTS IMMEDIATELY.

LEGEND:

UTILITY CROSSING

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10/10/2024	3RD TOWN SUBMITTAL

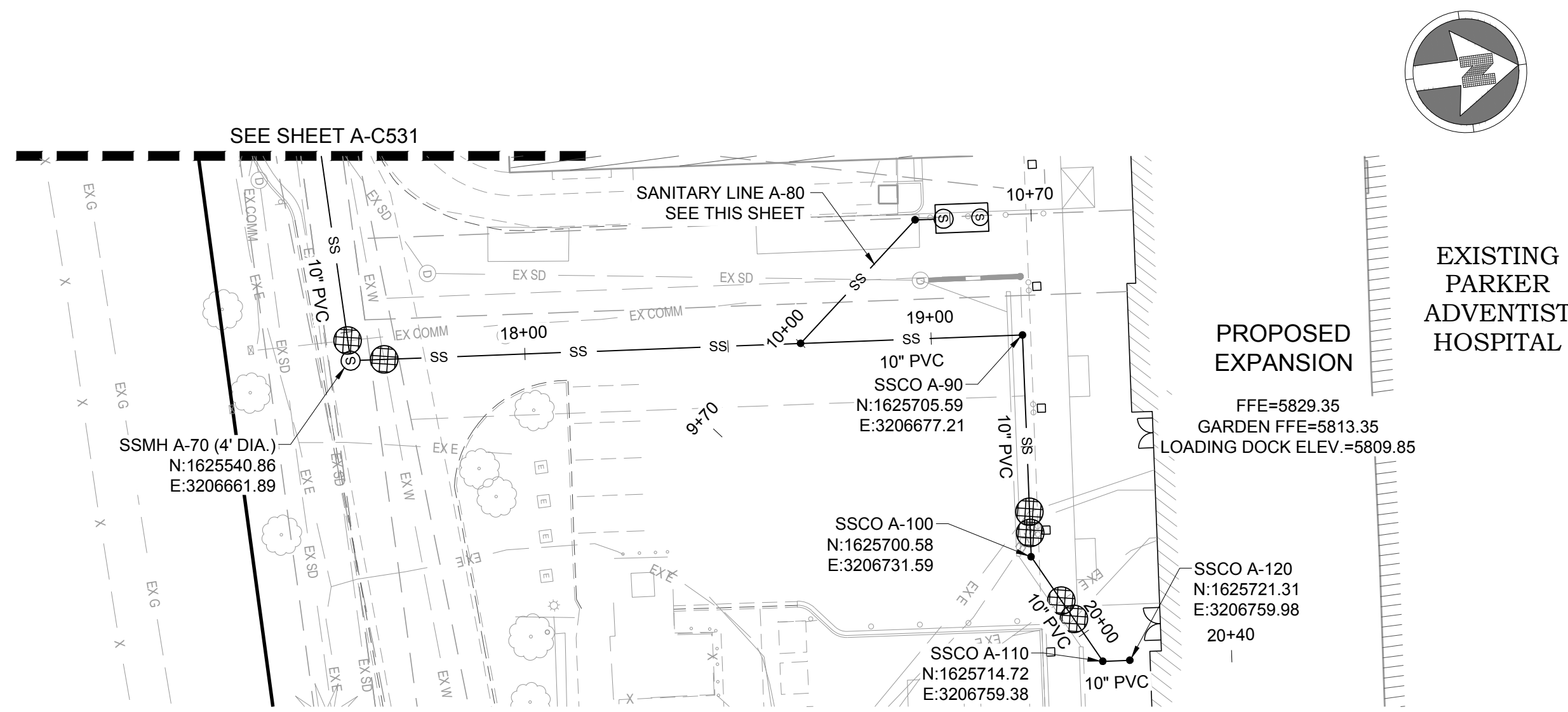
PROJECT: **ADVENTHEALTH PARKER EXPANSION
PARKER, CO 80138**

DRAWING TITLE: **SANITARY PLAN AND PROFILE**

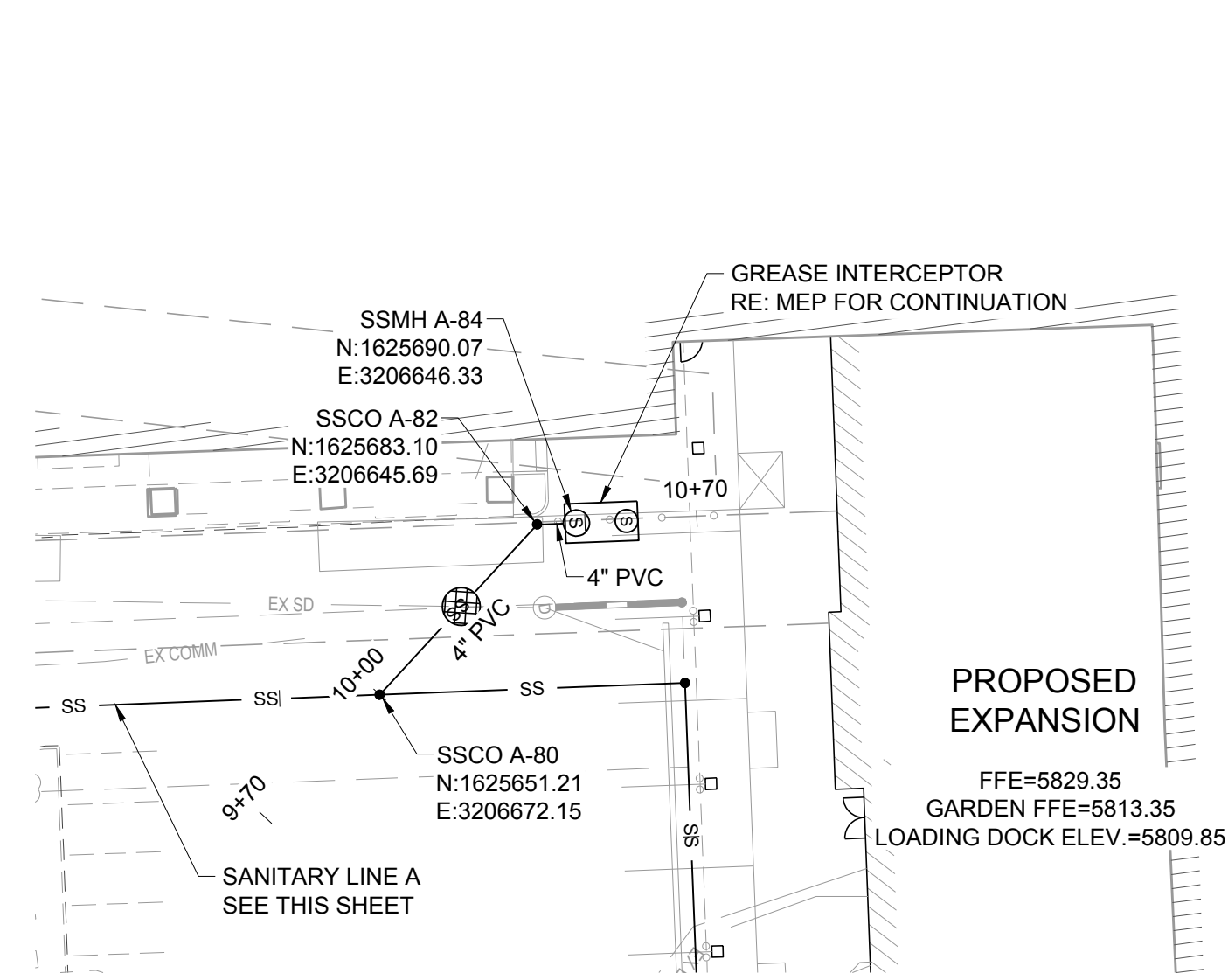
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MIRO JOB NO. 23079
DRAWING NUMBER: **A-C531**

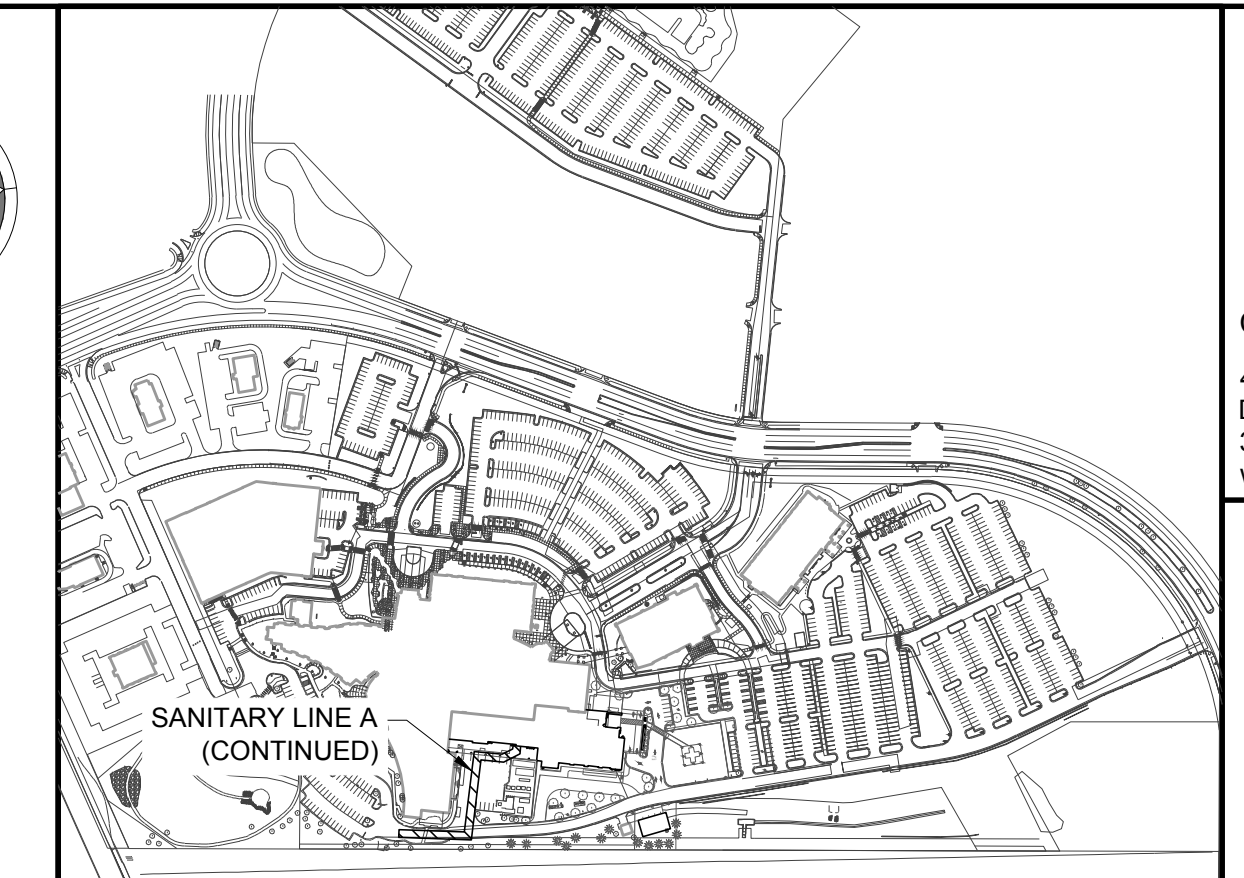




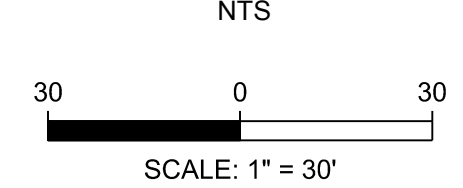
SANITARY LINE A PLAN (CONTINUED)



SANITARY LINE A-80 PLAN



KEYMAP

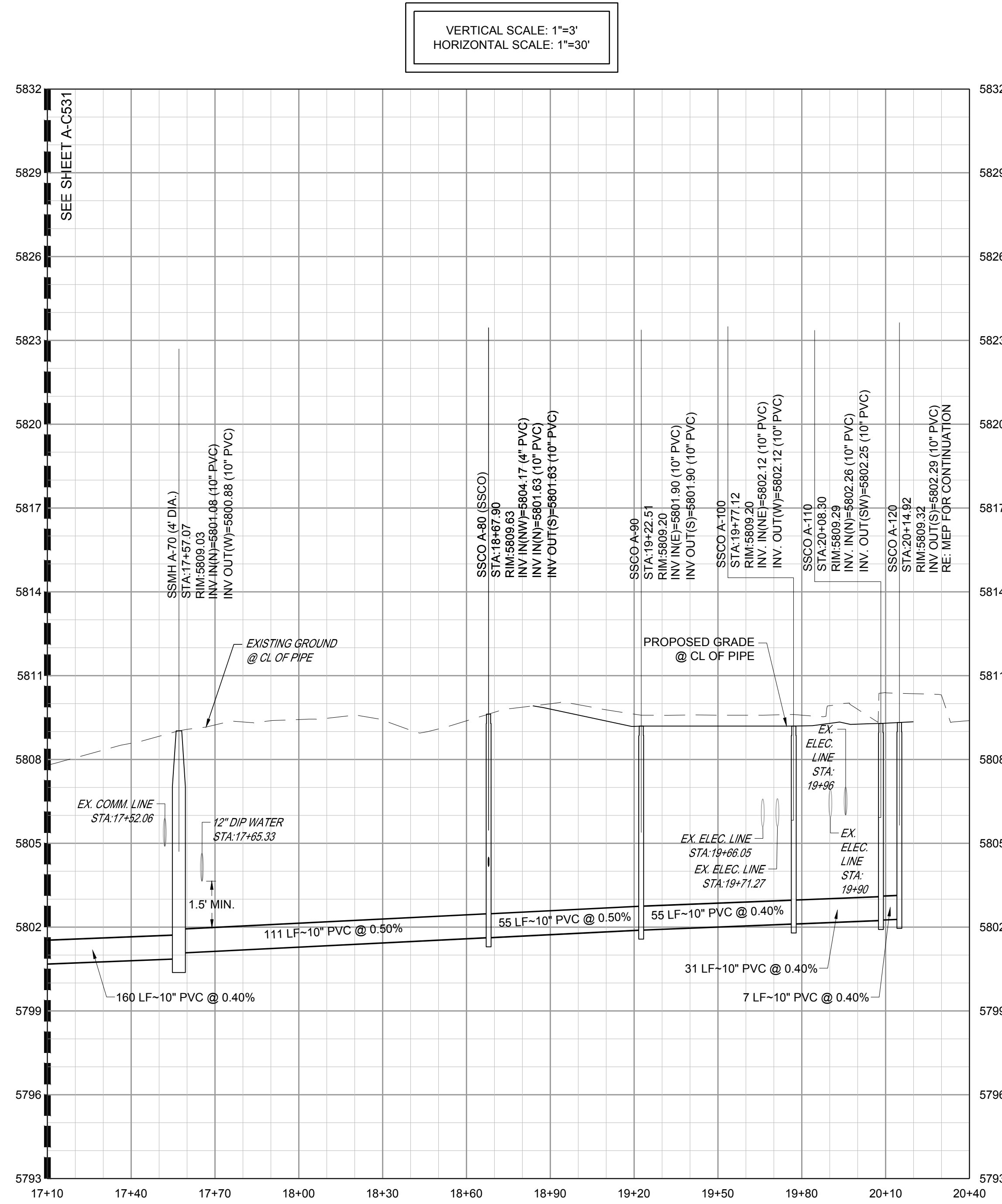


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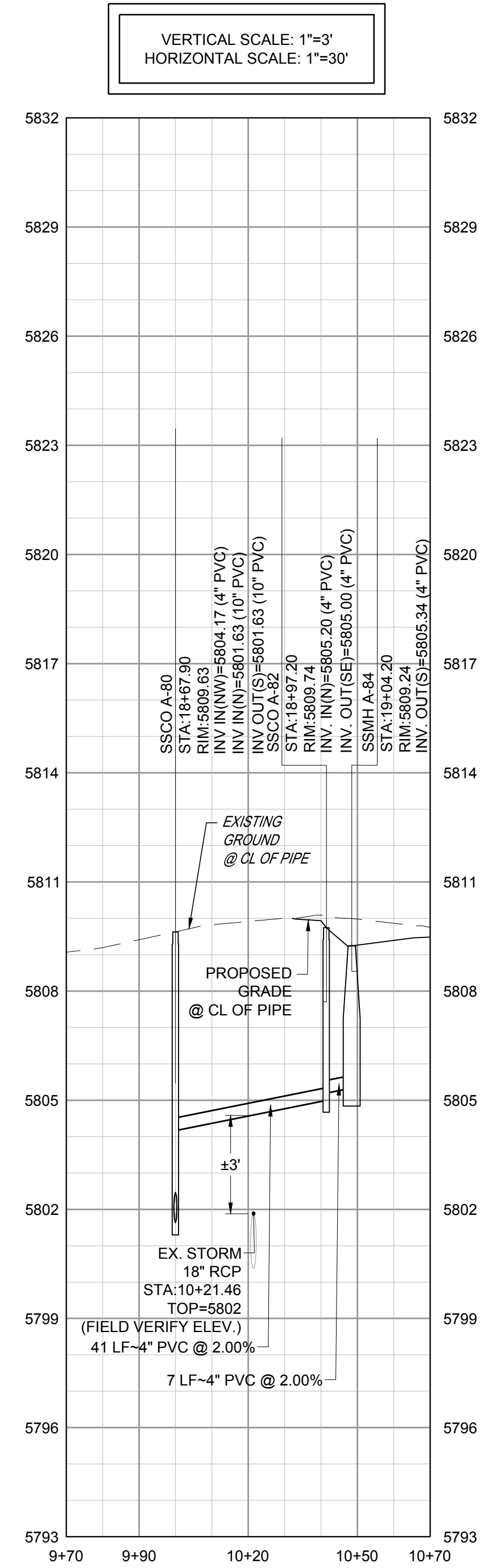
- SEE SHEET A-C501 FOR SANITARY NOTES AND LEGEND.
- ALL EXISTING DRY UTILITIES ARE ASSUMED TO BE 3' DEEP TO TOP OF PIPE.
- ALL EXISTING WATER LINES ARE ASSUMED TO BE 4.5' DEEP TO TOP OF PIPE.
- THE CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITY CROSSINGS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY POTENTIAL CONFLICTS IMMEDIATELY.

LEGEND:

UTILITY CROSSING



SANITARY LINE A PROFILE (CONTINUED)



SANITARY LINE A-80 PROFILE

DATE	DESCRIPTION
06/03/2024	1ST TOWN SUBMITTAL
08/16/2024	2ND TOWN SUBMITTAL
10/10/2024	3RD TOWN SUBMITTAL

PROJECT: **ADVENTHEALTH PARKER PARKER EXPANSION
 PARKER, CO 80138**

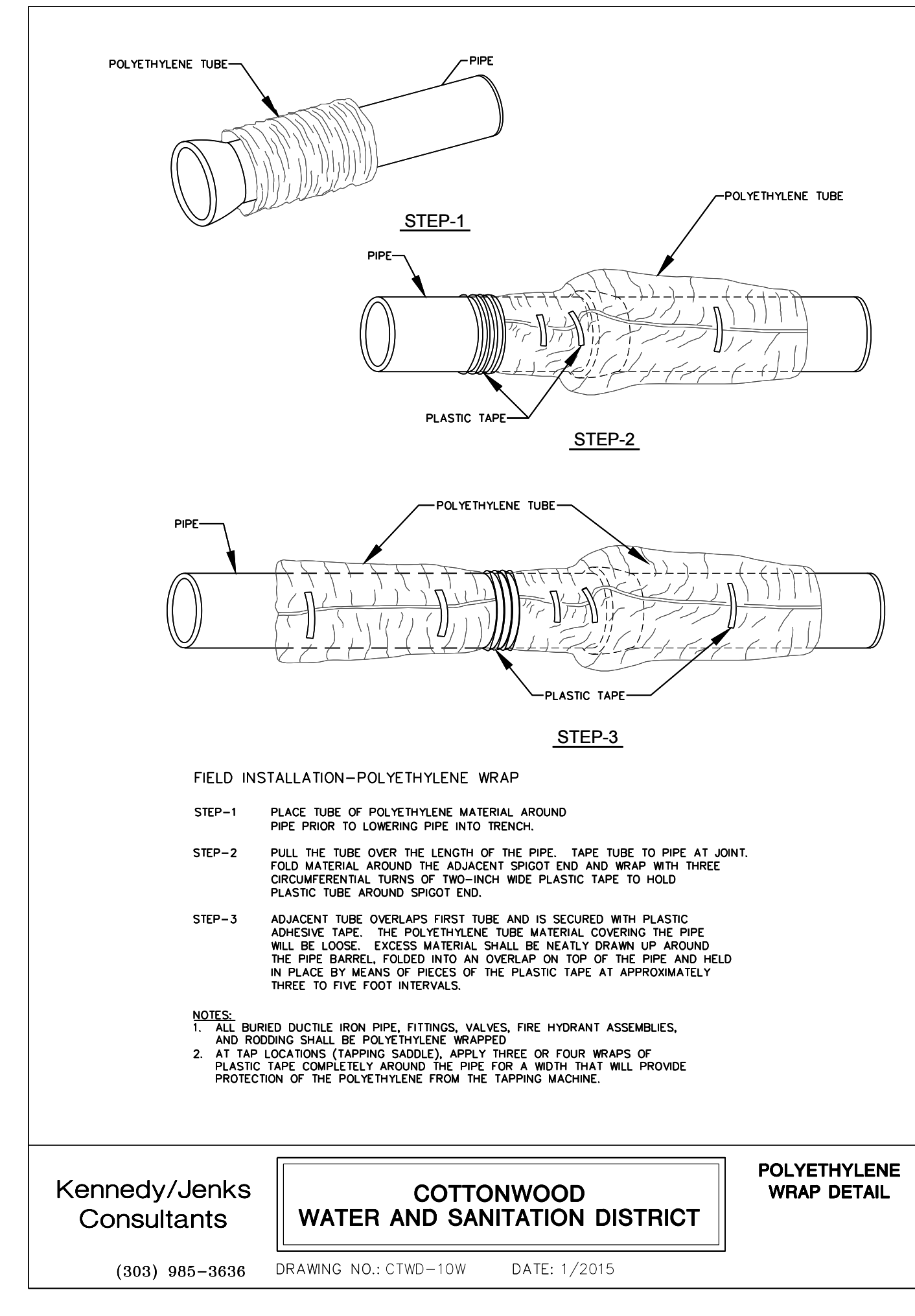
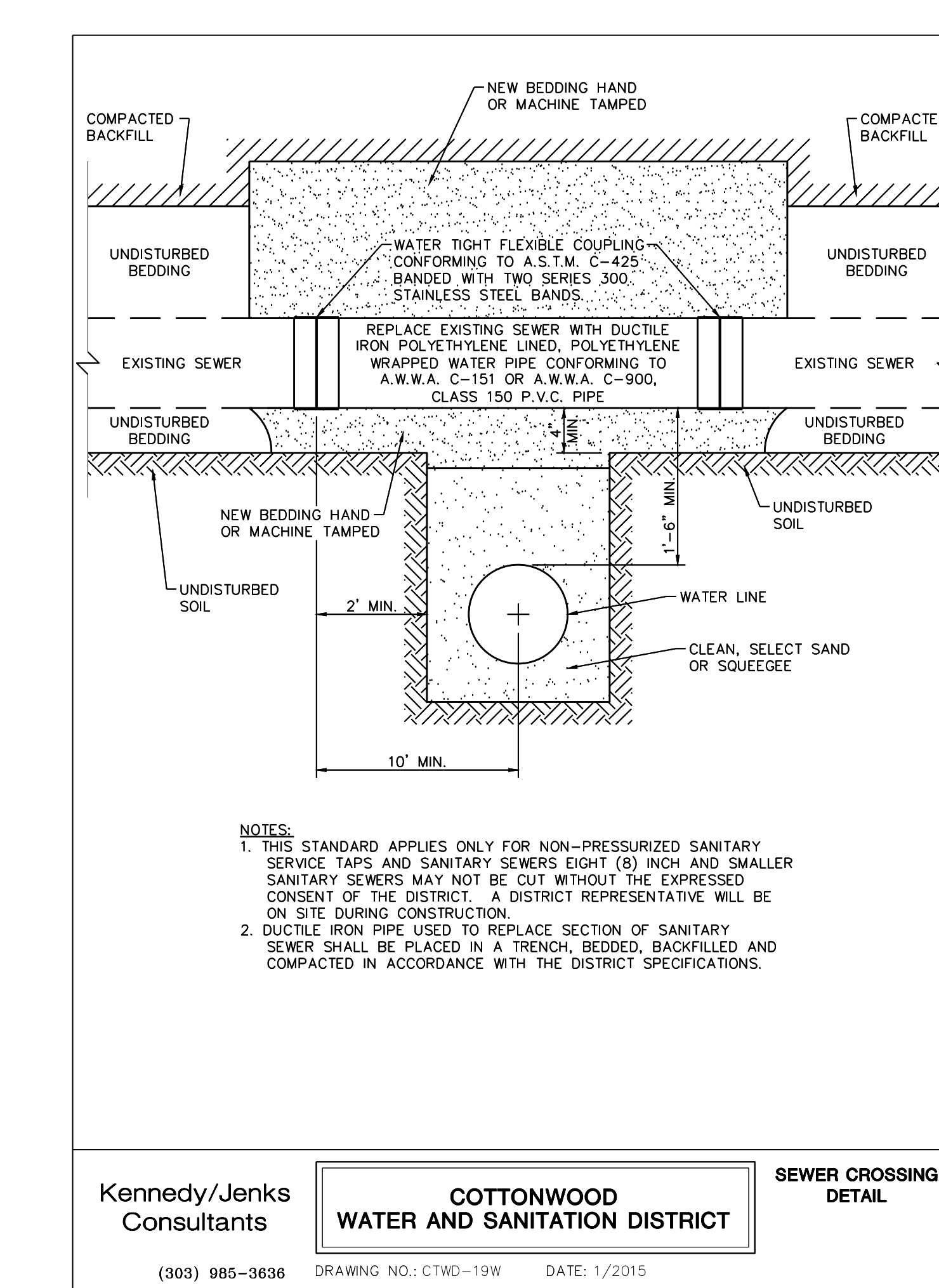
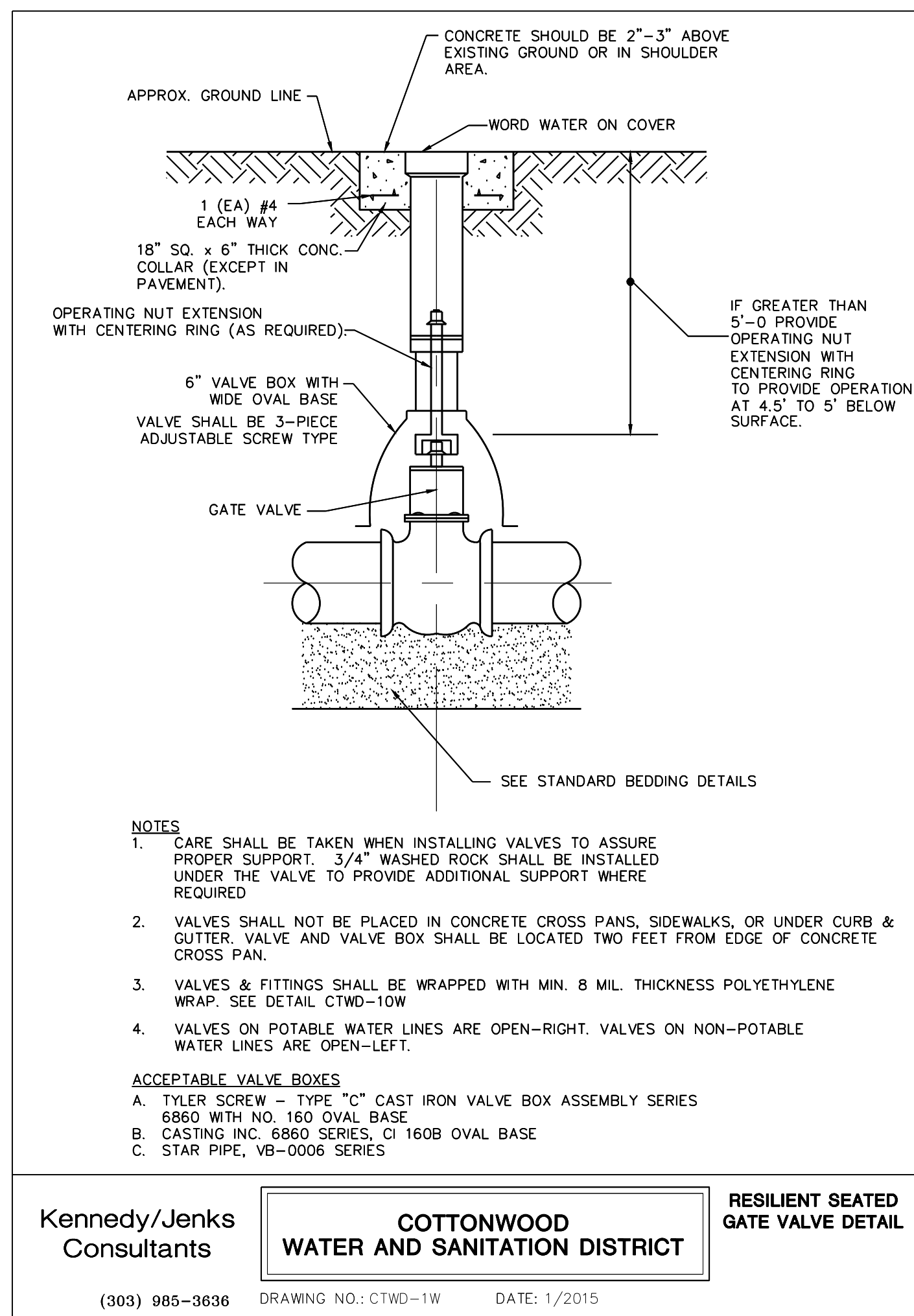
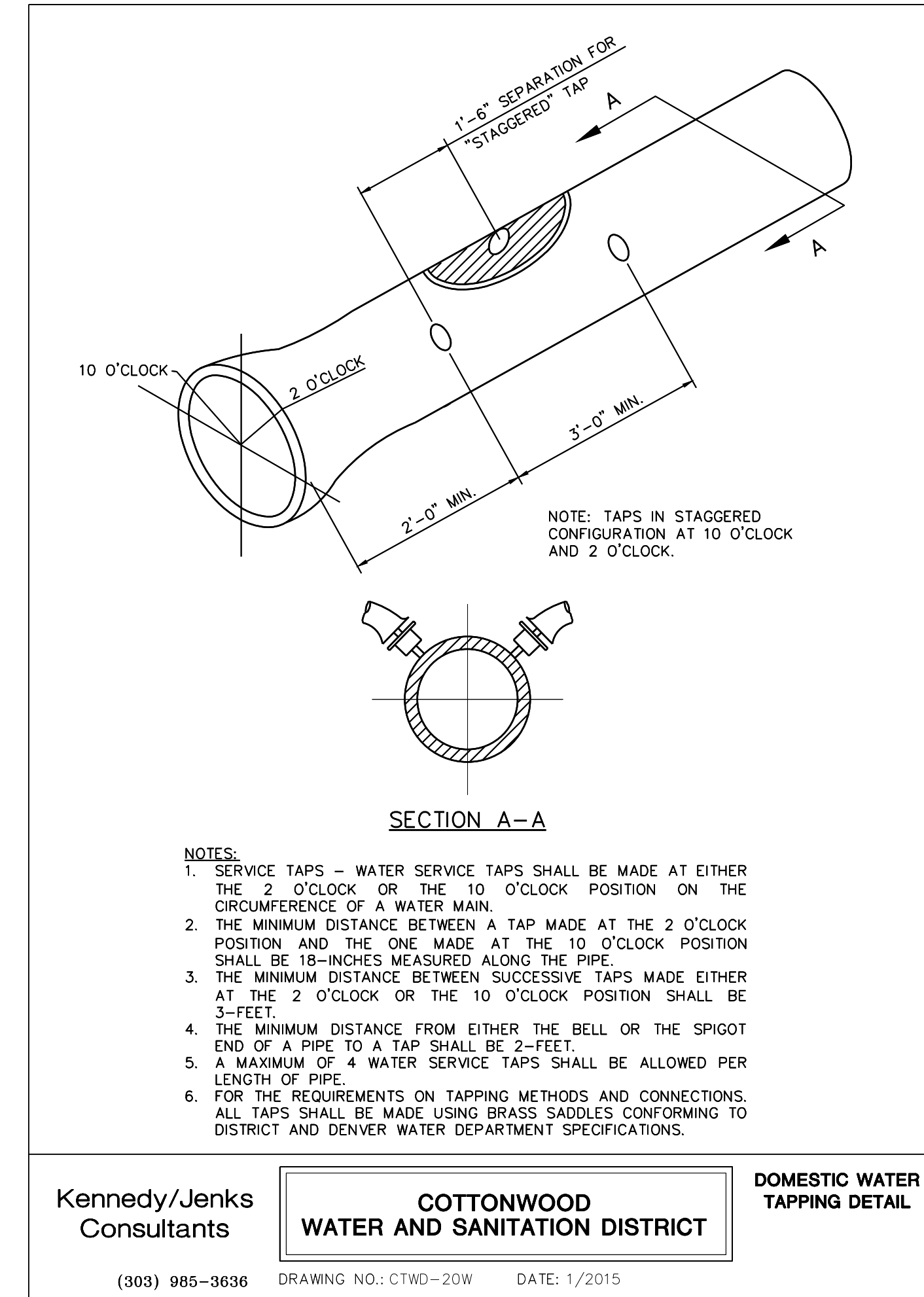
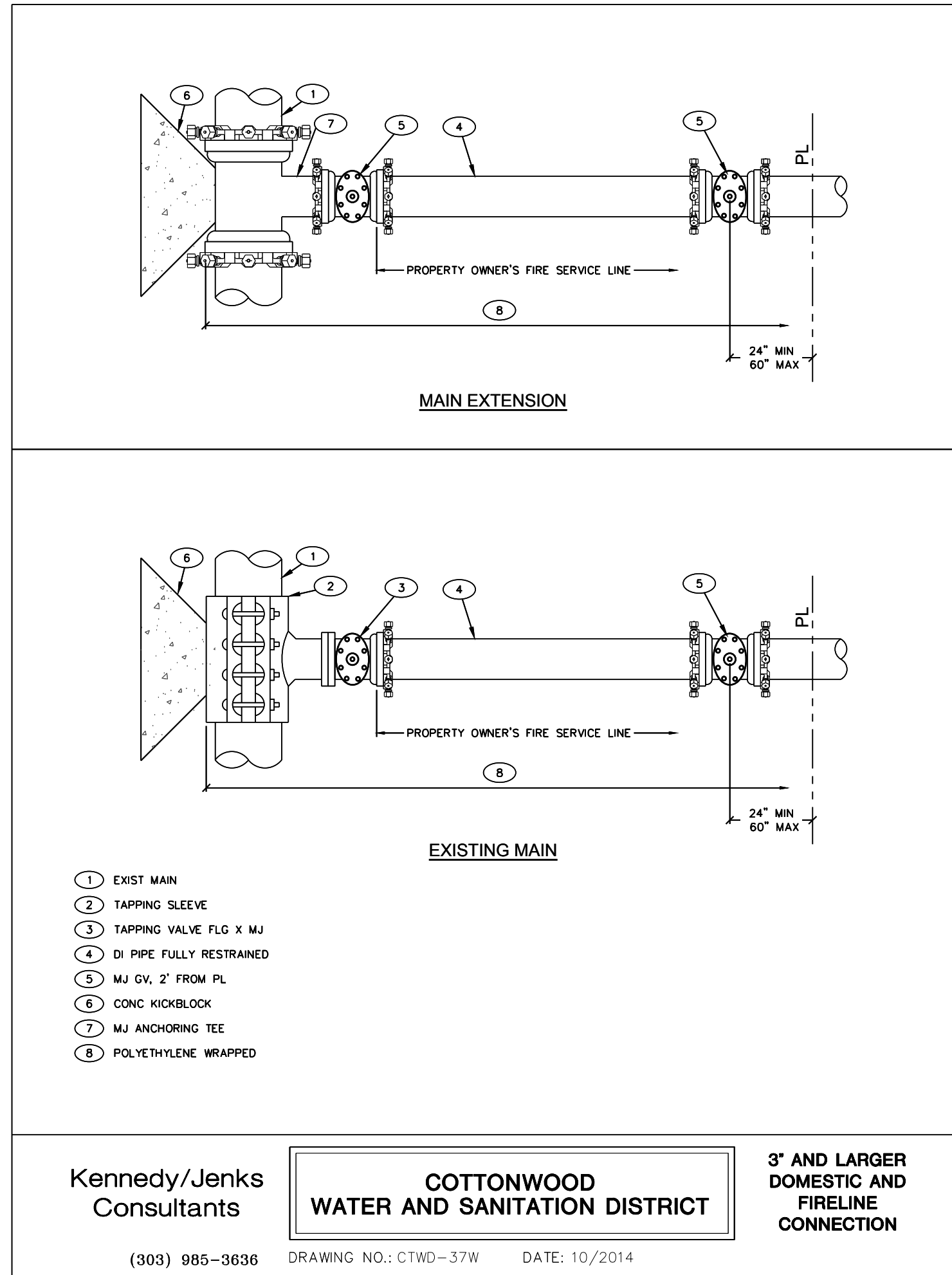
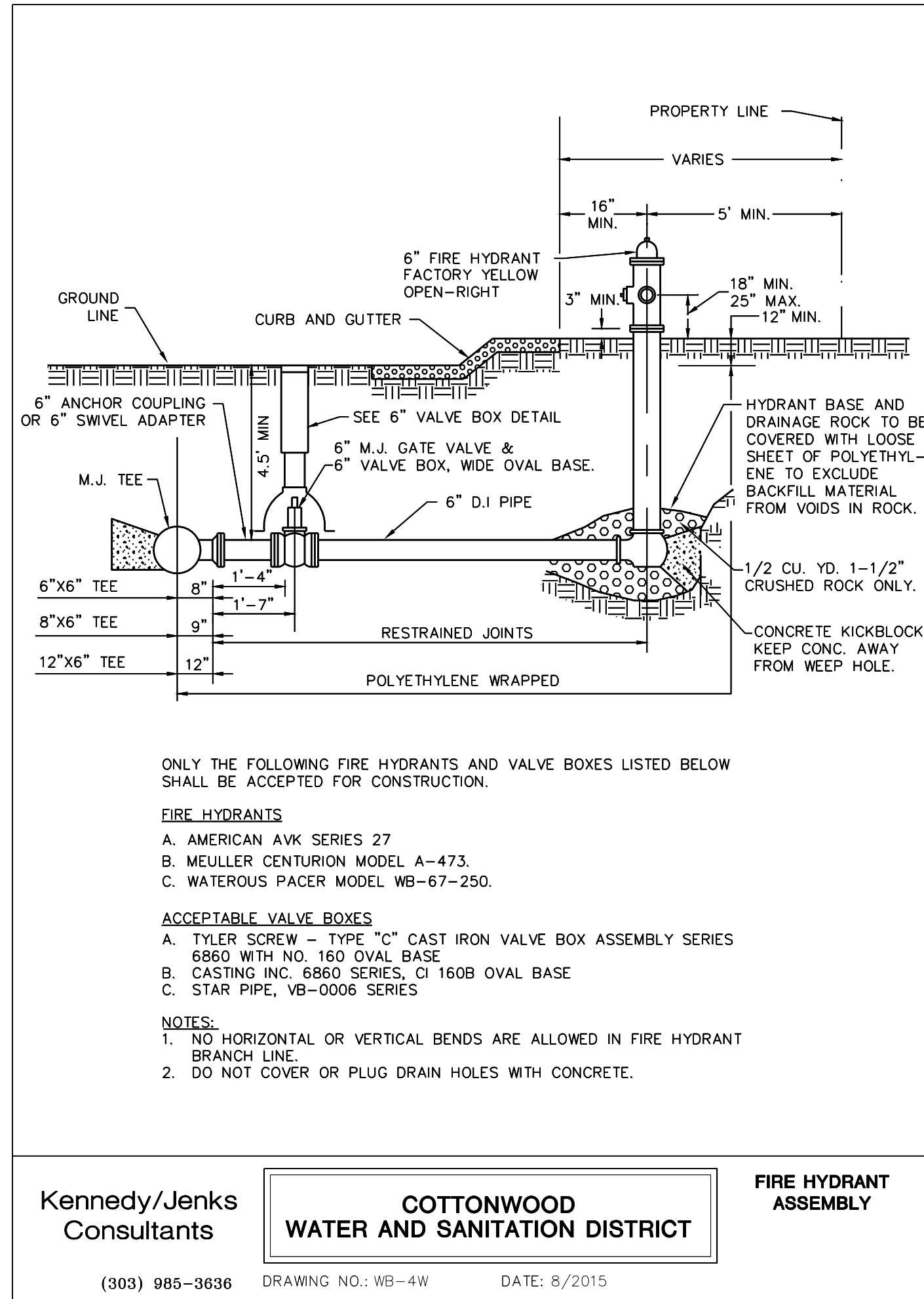
DRAWING TITLE: **SANITARY PLAN AND PROFILE**

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 MIRO JOB NO. 23079

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06/03/2024	1ST TOWN SUBMITTAL
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10/10/2024	3RD TOWN SUBMITTAL

PROJECT: **ADVENTHEALTH PARKER PARKER, CO 80138**

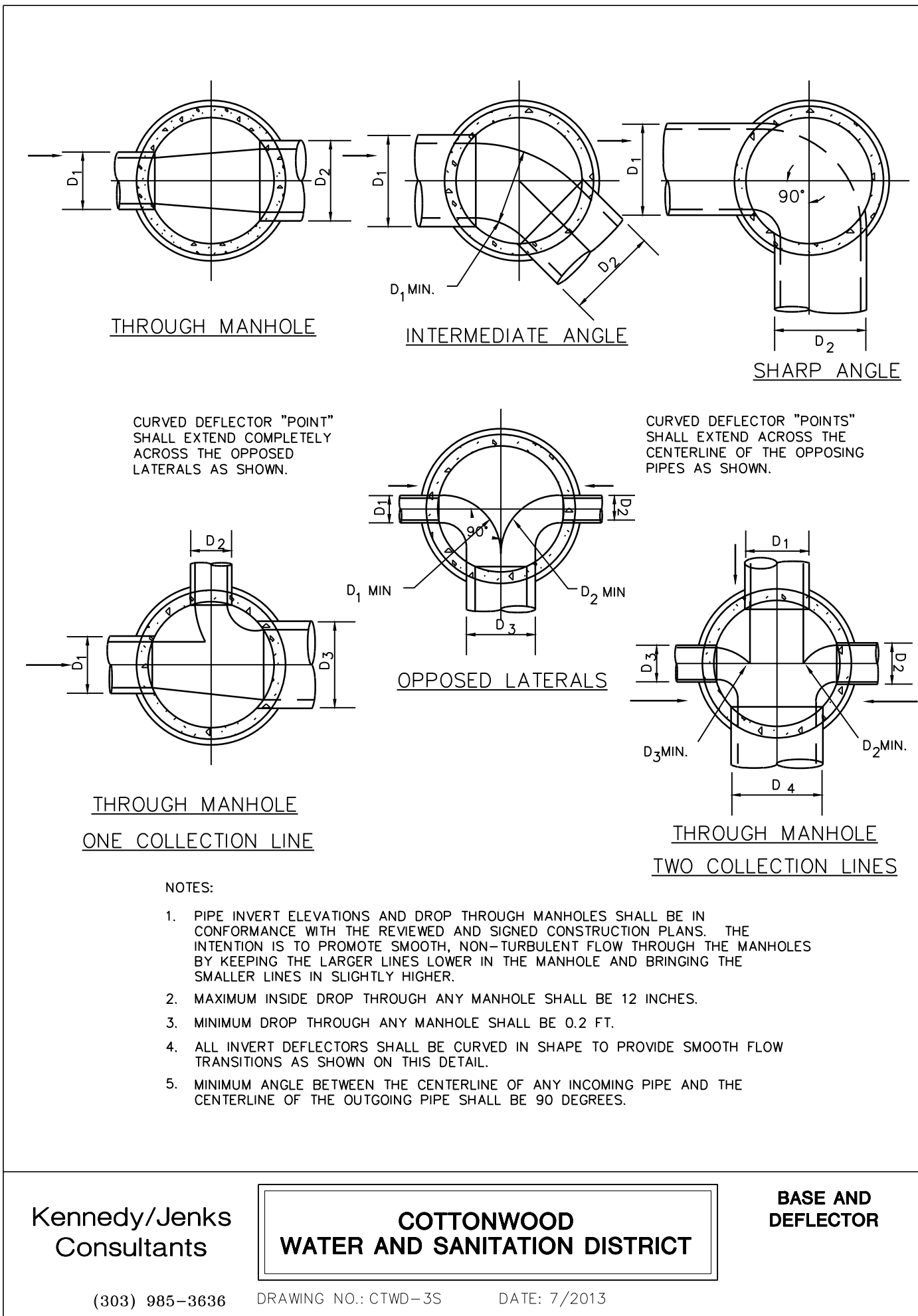
DRAWING TITLE: **WATER AND SANITARY DETAILS**

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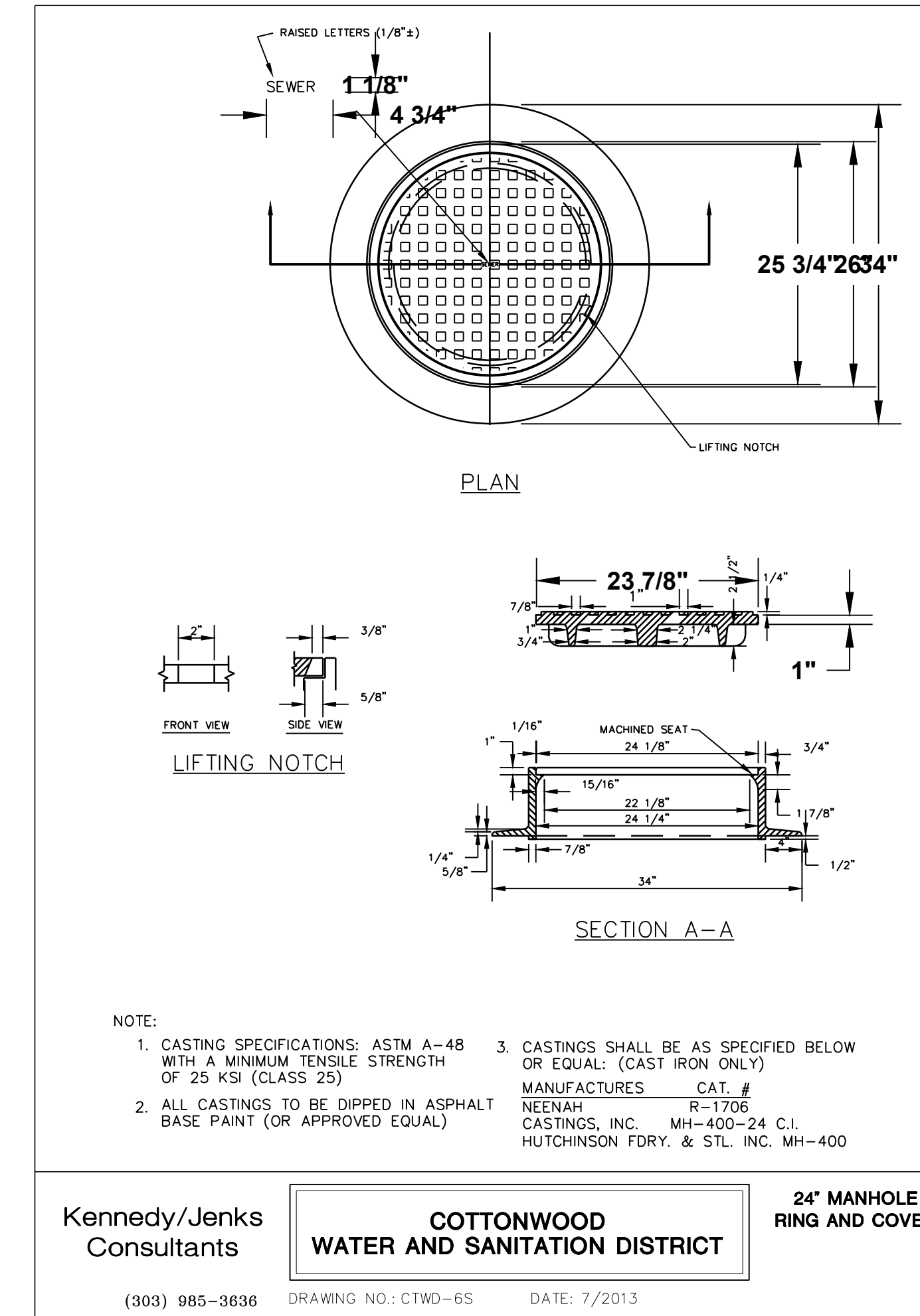
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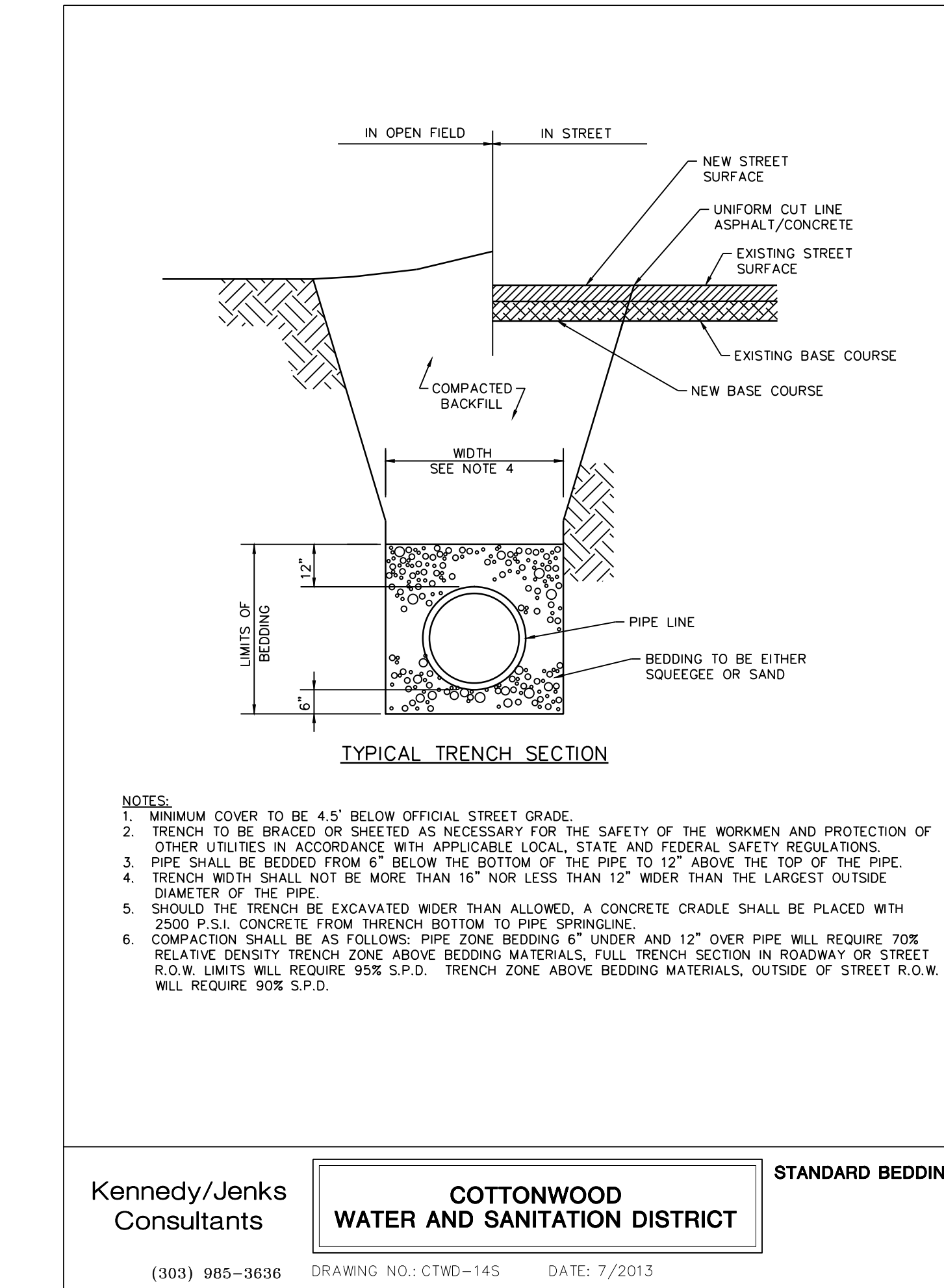
Kennedy/Jenks Consultants **COTTONWOOD WATER AND SANITATION DISTRICT** **BASE AND DEFLECTOR**

(303) 985-3636 DRAWING NO.: CTWD-3S DATE: 7/2013



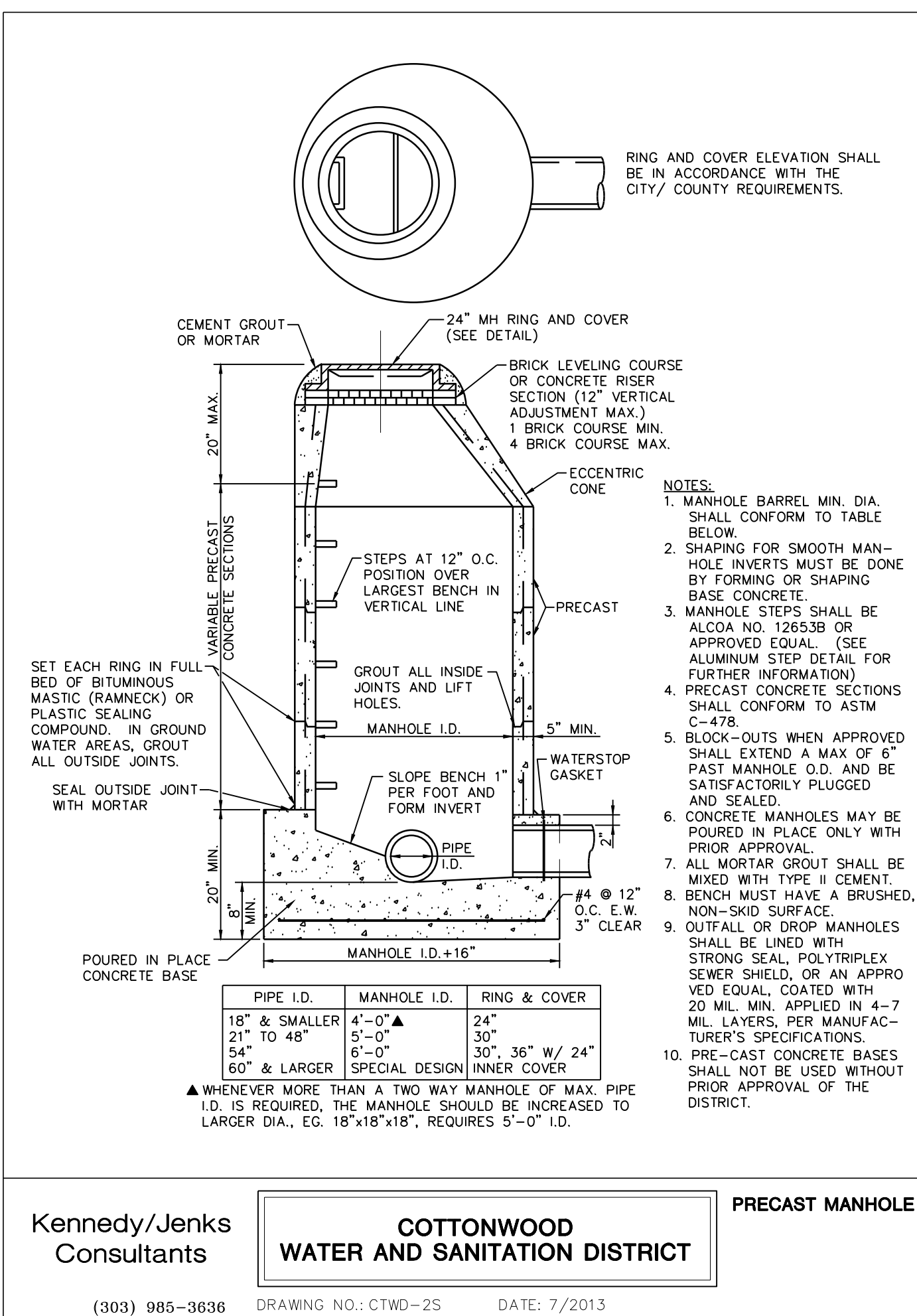
Kennedy/Jenks Consultants **COTTONWOOD WATER AND SANITATION DISTRICT** **24" MANHOLE RING AND COVER**

(303) 985-3636 DRAWING NO.: CTWD-6S DATE: 7/2013



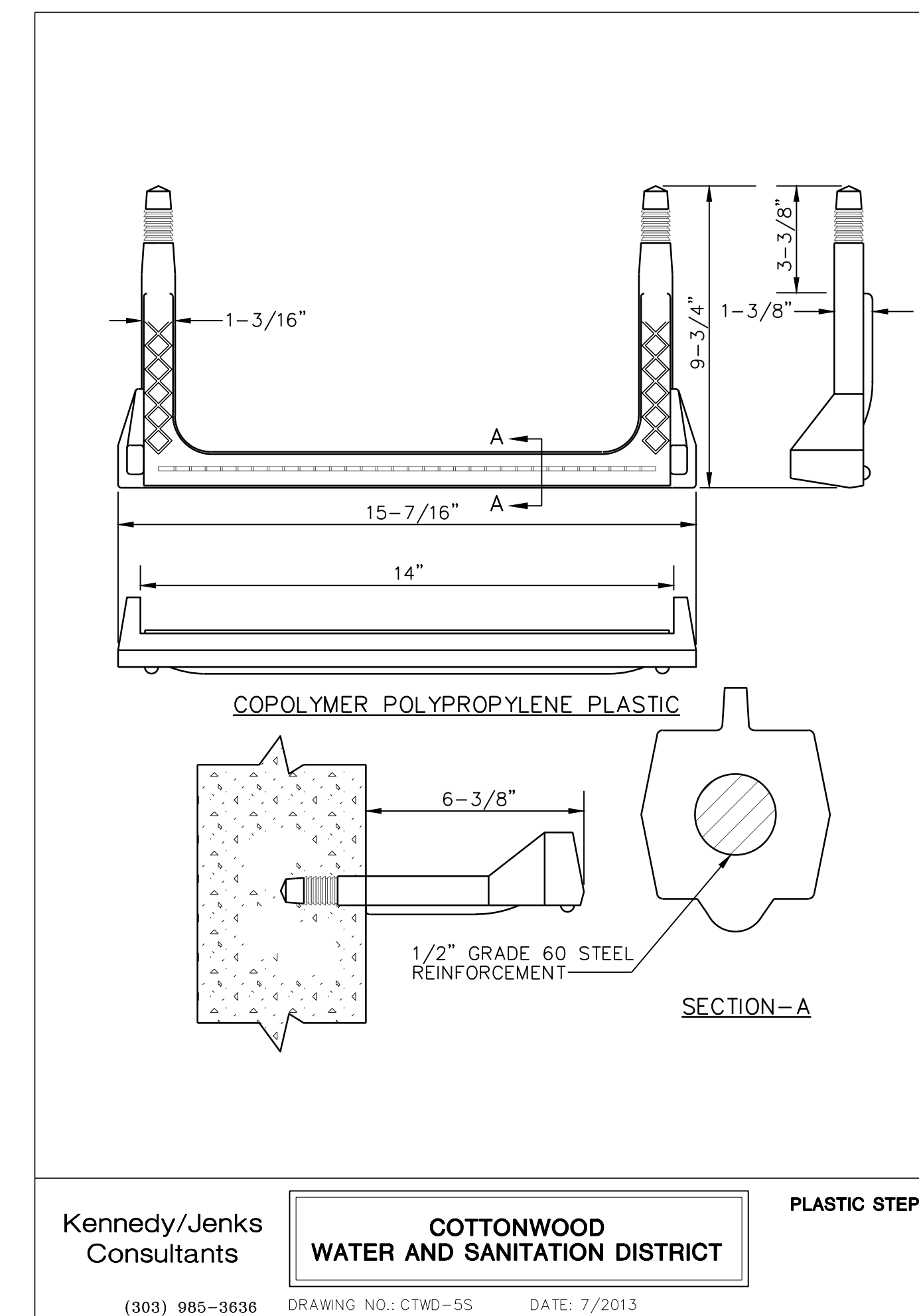
Kennedy/Jenks Consultants **COTTONWOOD WATER AND SANITATION DISTRICT** **STANDARD BEDDING**

(303) 985-3636 DRAWING NO.: CTWD-14S DATE: 7/2013



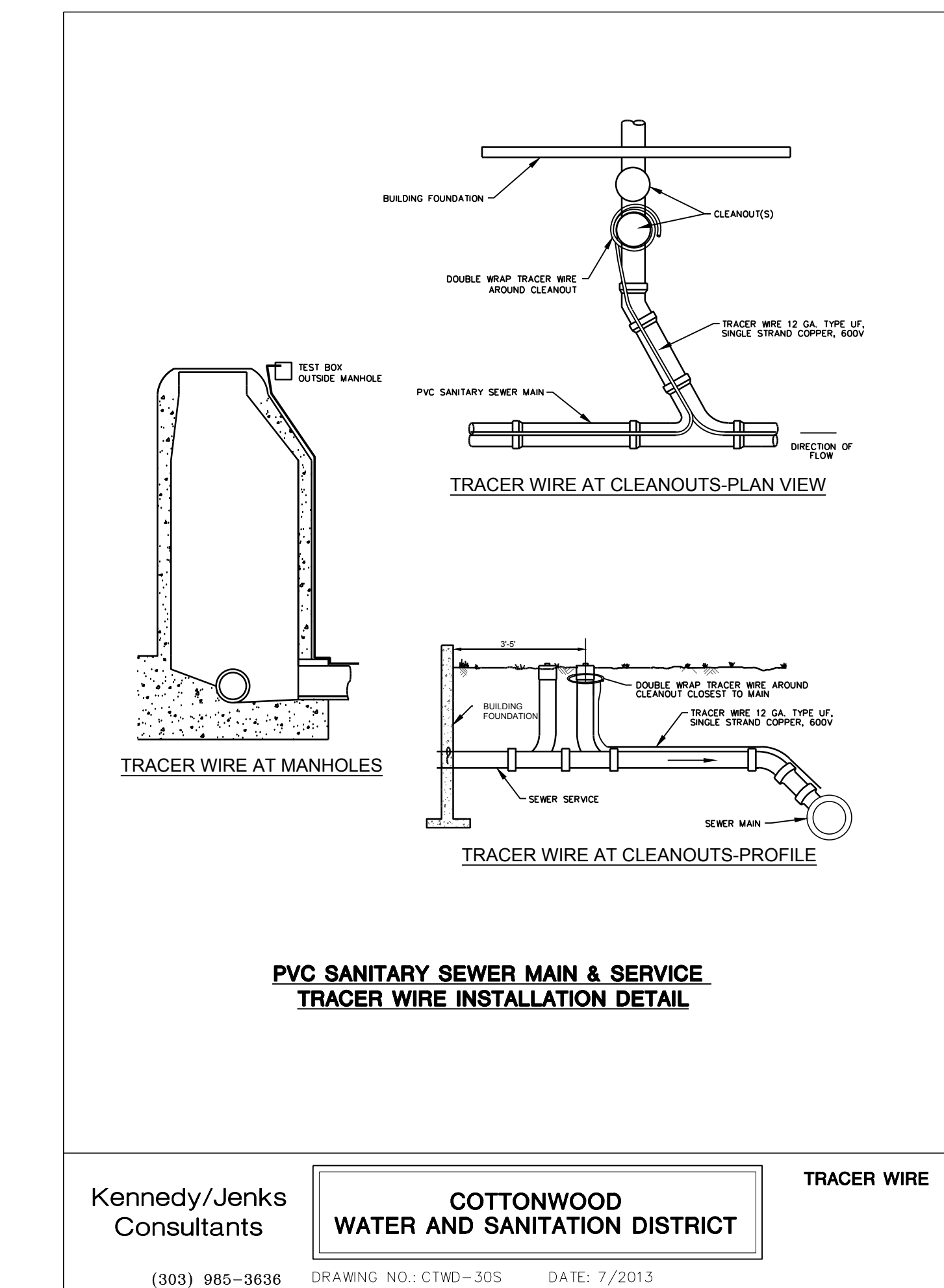
Kennedy/Jenks Consultants **COTTONWOOD WATER AND SANITATION DISTRICT** **PRECAST MANHOLE**

(303) 985-3636 DRAWING NO.: CTWD-2S DATE: 7/2013



Kennedy/Jenks Consultants **COTTONWOOD WATER AND SANITATION DISTRICT** **PLASTIC STEP**

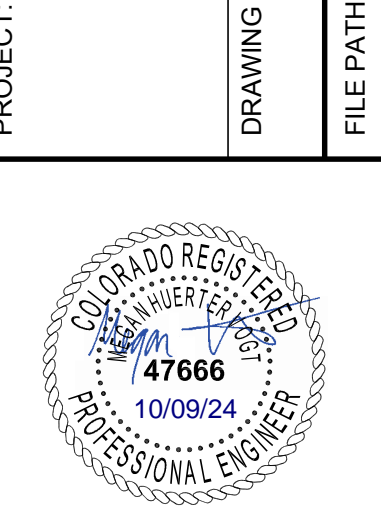
(303) 985-3636 DRAWING NO.: CTWD-5S DATE: 7/2013



Kennedy/Jenks Consultants **COTTONWOOD WATER AND SANITATION DISTRICT** **TRACER WIRE**

(303) 985-3636 DRAWING NO.: CTWD-30S DATE: 7/2013

NO.	DATE	DESCRIPTION
1	06/03/2024	1ST TOWN SUBMITTAL
2	08/16/2024	2ND TOWN SUBMITTAL
3	10/10/2024	3RD TOWN SUBMITTAL



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DRAWN BY: EDS
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MIRO JOB NO. 23079



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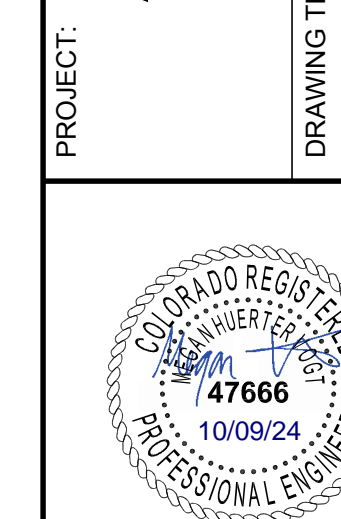
DATE	DESCRIPTION
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08/16/2024	2ND TOWN SUBMITTAL
10/10/2024	3RD TOWN SUBMITTAL

NO.	DESCRIPTION
1	
2	
3	

PROJECT: **ADVENTHEALTH PARKER PARKER, CO 80138**

DRAWING TITLE: **WATER AND SANITARY DETAILS**

FILE PATH: C:\Users\stgh\Documents\S. A. Miro, Inc.\Civil\Jobs\23079 AHP Expansion\05 CAD\Plans and Details\C551-WATR-SSEW-DTLS.dwg C553 - 10/09/24



DESIGNED BY: RJH
DRAWN BY: EDS
CHECKED BY: MHV
MIRO JOB NO. 23079
DRAWING NUMBER:

A-C553

CONDUIT CROSSING DETAIL

APPROXIMATE FINISHED GRADE
COVER VARIES
WATER LINE, STORM SEWER OR OTHER LINE OR UTILITY
HARNES RODS
45° BEND
D.I.P.
EXTEND D.I.P. & HARNES RODS TO PROVIDE REQUIRED LENGTH OF RESTRAINED PIPE. SEE LENGTH OF PIPE RESTRAINT DETAIL.
CONDUIT O.D. + 2" MIN.
45° BEND
45° BEND
45° BEND
45° BEND

NOTES:
1. LENGTH OF EXTENSION PIPE AND HARNES RODS SHALL BE IN ACCORDANCE WITH THE DISTRICT SPECIFICATIONS.
2. ALL CONDUIT CROSSINGS SHALL BE POLYETHYLENE WRAPPED DUCTILE IRON PIPE. C900 PVC MAY BE USED WITH PRIOR APPROVAL BY THE DISTRICT.
3. CATHODIC PROTECTION SHALL BE AS REQUIRED IN ACCORDANCE WITH THE SPECIFICATIONS.
4. DISTRICT-APPROVED MJ RESTRAINT (MEGALUGS) AND JOINT RESTRAINT SYSTEMS MAY BE USED IN PLACE OF HARNES RODS.

Kennedy/Jenks Consultants
COTTONWOOD WATER AND SANITATION DISTRICT
DATE: 1/2015
DRAWING NO.: CTWD-18W
(303) 985-3636

ROD DIAMETER, GRADE & LENGTH OF RESTRAINED PIPE

PIPE SIZE	4"		6"		8"		12"		16"		20"		24"								
	D	L	D	L	D	L	D	L	D	L	D	L	D	L							
90° BEND, TEE, PLUG	3/4"	30'	MS	3/4"	40'	MS	3/4"	60'	MS	3/4"	86'	HS	1"	108'	HS	1 1/4"	132'	HS	-	155'	-
VALVE	3/4"	30'	MS	3/4"	40'	MS	3/4"	60'	MS	3/4"	86'	HS	1"	108'	HS	1 1/4"	132'	HS	-	155'	-
45° BEND	3/4"	9'	MS	3/4"	13'	MS	3/4"	18'	MS	3/4"	25'	MS	1"	32'	MS	3/4"	39'	HS	-	45'	-
22 1/2" BEND	3/4"	2'	MS	3/4"	4'	MS	3/4"	5'	MS	3/4"	7'	MS	3/4"	8'	MS	3/4"	10'	MS	-	12'	-
11 1/4" BEND	3/4"	2'	MS	3/4"	2'	MS	3/4"	2'	MS	3/4"	2'	MS	3/4"	2'	MS	3/4"	3'	MS	-	3'	-

NOTES:
1. LENGTH OF RESTRAINED PIPE MEASURED EACH WAY FROM VALVES AND BENDS.
2. CLAMPS, RODS & MEGALUGS NOT ALLOWED FOR 24" & LARGER PIPES.
3. D=DIAMETER, L=LENGTH, G=GRADE, MS=MILD STEEL, HS=HIGH STRENGTH.
4. MIN 4.5' GROUND COVER REQ.
5. BASED ON 150 PSI INTERNAL PRESSURE.
6. MS = MILD STEEL ROD ASTM A 36.
7. HS = HIGH STRENGTH ROD ASTM A 193 GRADE B7.
8. NUTS SHALL BE ASTM A 307 GRADE A OR B HEXAGON HEAVY SERIES. HS NUTS SHALL CONFORM TO MS-22.
9. SEE THE ROD DETAIL DRAWING, ALSO, THE ROD COUPLING DETAILS, CLAMP DETAILS AND SET CLAMP DETAILS.
10. LENGTH REFERS TO THE AMOUNT OF PIPE WHICH MUST BE RESTRAINED TOGETHER AND IS NOT NECESSARILY THE LENGTH OF THE RODS.
11. LENGTH OF RESTRAINED PIPE CHART IS ALSO FOR THE LENGTH OF JOINT RESTRAINT FOR MEGALUGS.
12. CROSSES MUST BE RESTRAINED IN ALL APPLICABLE DIRECTIONS.
13. 12" AND SMALLER IN LINE VALVES AND TEES SHALL HAVE A MECHANICAL JOINT RESTRAINT DEVICE ON EACH SIDE OF THE FITTING OR VALVE. MECHANICAL JOINT RESTRAINT DEVICE SHALL BE PER MS-2.
14. A SECOND VALVE WILL BE REQ. TO BE CLOSED WHEN EXCAVATING NEXT TO A EXIST VALVE.
15. ON PLUGS, TEES AND BENDS KICKBLOCK SHALL BE USED IN ADDITION TO RESTRAINT.
16. WHEN REDUCERS ARE USED ON VALVE INSTALLATIONS THE LENGTH OF RESTRAINT SHALL BE BASED ON THE SIZE OF THE PIPE NOT THE SIZE OF THE VALVE.

Kennedy/Jenks Consultants
COTTONWOOD WATER AND SANITATION DISTRICT
DATE: 1/2015
DRAWING NO.: CTWD-9W
(303) 985-3636

KICKBLOCK

BOND BREAKER
BEARING SURFACE
3000 psi MIN. CONCRETE
UNDISTURBED SOIL
11.25", 22.5", 45° AND 90° BENDS
45°
DEAD END
UNDISTURBED SOIL
3000 psi MIN. CONCRETE
BEARING SURFACE
UNDISTURBED SOIL
2/3 O.D. PIPE
BEDDING MATERIAL
UNDISTURBED SOIL
3000 psi MIN. CONCRETE
BEARING SURFACE
UNDISTURBED SOIL
TEE
UNDISTURBED SOIL
TYPICAL CROSS SECTION

MINIMUM BEARING SURFACE AREA (IN SQUARE FEET)

SIZE OF PIPE	B E N D S				TEE OR DEAD END
	11.25"	22.5"	45°	90°	
4"	1.00	1.00	1.00	2.00	1.50
6"	1.00	1.25	2.25	4.25	3.00
8"	1.00	2.00	4.00	7.50	5.25
12"	2.25	4.50	8.75	16.00	11.25
16"	3.75	7.50	14.50	27.00	19.00
20"	5.00	10.00	19.50	35.50	25.00
24"	7.00	14.00	27.75	51.00	36.00

NOTES:
1. BEARING AREAS SHOWN ON THE CHART ARE MINIMUM AREAS AND ARE DESIGNED USING THE FOLLOWING CRITERIA:
1.1. INTERNAL WORKING PRESSURE OF 150 PSI.
1.2. TRANSIENT (WATER HAMMER) PRESSURE OF 120 PSI FOR 4, 6, AND 8-INCH DIAMETER LINES, 110 PSI FOR 12-INCH LINES, AND 70 PSI FOR 16-INCH AND 20-INCH LINES.
1.3. MINIMUM UNDISTURBED SOIL BEARING CAPACITY OF 3,000 PSF.
2. ALL SIZES OF BENDS, TEES, AND DEAD ENDS SHALL HAVE KICKBLOCKS.
3. MECHANICAL JOINT RESTRAINT IS ALSO REQUIRED ON ALL FITTINGS. SEE LENGTH OF PIPE RESTRAINT DETAIL FOR SPECIFIC REQUIREMENTS.
4. ALL BENDS SHALL BE RESTRAINED.

Kennedy/Jenks Consultants
COTTONWOOD WATER AND SANITATION DISTRICT
DATE: 1/2015
DRAWING NO.: CTWD-12W
(303) 985-3636

PVC & DIP WATER MAIN INSTALLATION DETAIL

PROPERTY LINE
1'-6" MIN.
LOCATE TEST BOX BEHIND FIRE HYDRANT OR 180 DEGREES FROM 6" DIP WL.
6" FIRE HYDRANT LINE
RUN TRACER WIRE TO TEST STATION TERMINAL LOCATED AT FIRE HYDRANT.
TAPPE TRACER WIRE TO TOP OF C900 PVC PIPE WITH 2" WIDE PVC TAPE. WRAP TAPE ONCE AROUND PIPE DIA. (4 PLACES PER 20' OF PIPE TYPICAL)
PVC OR DIP WATER LINE
FOR CLASS 50 DIP PIPE, TAPE TRACER WIRE ON OUTSIDE OF POLYETHYLENE WRAPPING.
DUCTILE IRON TEE AT FIRE HYDRANT LATERAL
TRACER WIRE 12 GA. TYPE UF, SINGLE STRAND COPPER, 600V
SPlice TRACER WIRES WITH 3M TYPE DBY-6 LOW VOLTAGE DIRECT BURY SPLICE OR EQUAL INSTALL PER MANUFACTURER'S SPECIFICATIONS
PLAN VIEW

FINISHED GRADE
1'-6" MIN.
FIRE HYDRANT
'CP' TYPE GLENN 4 TEST STATION AT EACH FIRE HYDRANT HEAVY CAST IRON COVER (LOCKING) WITH 4 TERMINALS, 4" I.D. X 1'-6" SHAFT LENGTH
LOCATE TEST BOX BEHIND FIRE HYDRANT OR 180 DEGREES FROM 6" DIP WL.
TRACER WIRE FROM C900 PVC AND CLASS 50 DIP WATER MAIN. PROVIDE AMPLE TRACER WIRE AT TEST STATION FOR REMOVING COVER AND TESTING.
PROFILE

Kennedy/Jenks Consultants
COTTONWOOD WATER AND SANITATION DISTRICT
DATE: 1/2015
DRAWING NO.: CTWD-11W
(303) 985-3636