

PARKER TOWN HALL

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I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF COLORADO.



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CONSULTING ENGINEERS

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303-741-3737
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Know what's **below**.
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NO.	DESCRIPTION	DATE
1	FIRST TOWN SUBMITTAL	11/03/2023
2	SECOND TOWN SUBMITTAL	02/05/2024
3	THIRD TOWN SUBMITTAL	04/04/2024

**R TOWN HALL EXPANSION
20120 MAIN STREET
PARKER, CO 80138**

COVER SHEET

FILE PATH: C:\users\trib\Documents\S A Miro Inc.\Civil\Jobs\22139 Parker Town Hall\05 CAD\Plans and Details\C000-C0VB.dwg C:000 - 4/10/2024



DESIGNED BY:	RJ
DRAWN BY:	DE
CHECKED BY:	MH
MIRO JOB NO.	2213

DRAWING NUMBER

C-000

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PARKER, CO 80134
P: (303) 841-4627

20120 E. MAIN STREET
PARKER, CO 80138
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BEARINGS SHOWN HEREON ARE GRID BEARINGS DERIVED FROM GPS OBSERVATIONS BASED UPON THE COLORADO COORDINATE SYSTEM OF 1983 CENTRAL ZONE (NAD 83, 2011), REFERENCED TO THE WEST LINE OF THE NORTHWEST QUARTER OF SECTION 23, TOWNSHIP 6 SOUTH, RANGE 66 WEST, SIXTH PRINCIPAL MERIDIAN, SOUTHWEST CORNER OF THE SOUTHWEST CORNER OF SAID SECTION 23 BY A 3-1/4" DIAMETER ALUMINUM CAP STAMPED IN PART "AZTEC CONSULTANTS, INC. SL 176669 2038" AND AT THE WEST QUARTER CORNER OF SAID SECTION 23 BY A 2-3/4" ALUMINUM CAP STAMPED IN PART "SL 13155 1993", TAKEN TO BEAR NORTH 00°25'07" EAST, A DISTANCE OF 2,648.44 FEET.

1-1/4" ALUMINUM ALLOY CAP SET ON NUMBER 5 REBAR STAMPED " AZTEC CP 51
"LOCATED IN THE NORTH PARKING LOT OF CORNERSTONE PARK IN LITTELTON, IN
THE GRASSY ISLAND 80.3 FEET EAST OF THE EAST EDGE THE GRAVEL TRAFFIC
CIRCLE, AND 8 FEET NORTH OF THE EDGE OF GRAVEL

ELEVATION=5399.27 (NAVD 88).

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 _____

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		TREE
	SIGN		TREE
	LIGHT		TREE
	TREE		TREE
	MINOR CONTOURS		MINOR CONTOURS
	MAJOR CONTOURS		MAJOR CONTOURS
	RIDGE LINE		RIDGE LINE
	SPOT ELEVATION		SPOT ELEVATION
	CABLE TV LINE		CABLE TV LINE
	COMMUNICATION LINE		COMMUNICATION LINE
	ELECTRICAL LINE		ELECTRICAL LINE
	OVERHEAD ELECTRICAL LINE		OVERHEAD ELECTRICAL LINE
	FIBER OPTIC LINE		FIBER OPTIC LINE
	GAS LINE		GAS LINE
	TELEPHONE LINE		TELEPHONE LINE
	IRRIGATION LINE		IRRIGATION LINE
	RAW WATER LINE		RAW WATER LINE
	SANITARY SEWER LINE		SANITARY SEWER LINE
	STEAM LINE		STEAM LINE
	WATER LINE		WATER LINE
	EASEMENT		EASEMENT
	INLET		INLET
	FLARED END SECTIONS		FLARED END SECTIONS
	CLEANOUT		CLEANOUT
	FIRE HYDRANT		FIRE HYDRANT
	VALVE		VALVE
	WATER FITTINGS		WATER FITTINGS
	PEDESTAL		PEDESTAL
	UTILITY CROSSING		UTILITY CROSSING
	MANHOLES		MANHOLES
	LAMBS TONGUE ROOF DRAIN OVERFLOW		LAMBS TONGUE ROOF DRAIN OVERFLOW

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 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 (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 F 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, WQCD-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 FOREMENTIONED 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.

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 AZTEC CONSULTANTS, INC DATED 08/11/2022. 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 SHUTDOWN 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.

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.

HORIZONTAL CONTROL NOTES:

- BEARINGS SHOWN HEREON ARE GRID BEARINGS DERIVED FROM GPS OBSERVATIONS BASED UPON THE COLORADO COORDINATE SYSTEM OF 1983 CENTRAL ZONE (NAD 83, 2011), REFERENCED TO THE WEST LINE OF THE NORTHWEST QUARTER OF SECTION 23, TOWNSHIP 6 SOUTH, RANGE 66 WEST, SIXTH PRINCIPAL MERIDIAN, BEING MONUMENTED AT THE NORTHWEST CORNER OF SAID SECTION 23 BY A 3-1/4" DIAMETER ALUMINUM CAP STAMPED IN PART "AZTEC CONSULTANTS, INC. LS 17666 2003" AND AT THE WEST QUARTER CORNER OF SAID SECTION 23 BY A 2-3/4" ALUMINUM CAP STAMPED IN PART "LS 13155 1993", TAKEN TO BEAR NORTH 00°25'07" EAST, A DISTANCE OF 2,648.44 FEET.
- 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 DATED 01/17/2023. 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:

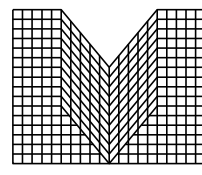
- SITE GRADING (EXCAVATION, EMBANKMENTS, AND COMPACTION) SHALL CONFORM TO THE RECOMMENDATIONS OF THE LATEST GEOTECHNICAL REPORT FOR THIS PROPERTY.
- SPOT ELEVATIONS MAY BE ABBREVIATED FOR CLARITY. REFER TO THE ADJACENT CONTOUR LABELS FOR FULL ELEVATIONS.
- MAXIMUM PROPOSED SLOPES SHALL BE 4:1 UNLESS 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.
- THE CONTRACTOR SHALL CONFORM TO OVEREXCAVATION REQUIREMENTS DETAILED WITHIN THE PROJECT SPECIFICATIONS AND GEOTECHNICAL REPORT. OVEREXCAVATION REQUIREMENTS ARE NOT DEPICTED ON THE CIVIL PLANS.

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Town of Parker, Director of Engineering/Public Works

Date



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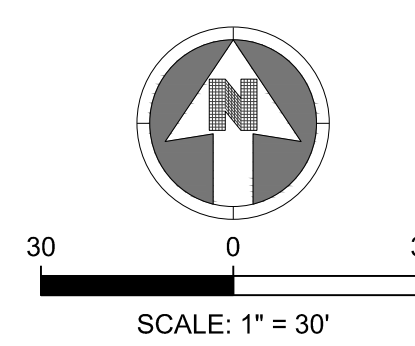
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DESCRIPTION	FIRST TOWN SUBMITTAL	SECOND TOWN SUBMITTAL	THIRD TOWN SUBMITTAL			
NO.	1	2	3			
PARKER TOWN HALL EXPANSION 20120 MAINSTREET PARKER, CO 80138						
CIVIL NOTES AND LEGEND						
PROJECT:						
DRAWING TITLE:						
FILE PATH:	C:\Users\jgh\Documents\S.A. Miro, Inc.\Civil\Jobs\22139 Parker Town Hall\05 CAD\Plans and Details\C000-COVR.dwg C001 - 4/10/2024					



DESIGNED BY: RJH
DRAWN BY: DEI
CHECKED BY: MHV
MIRO JOB NO. 22139

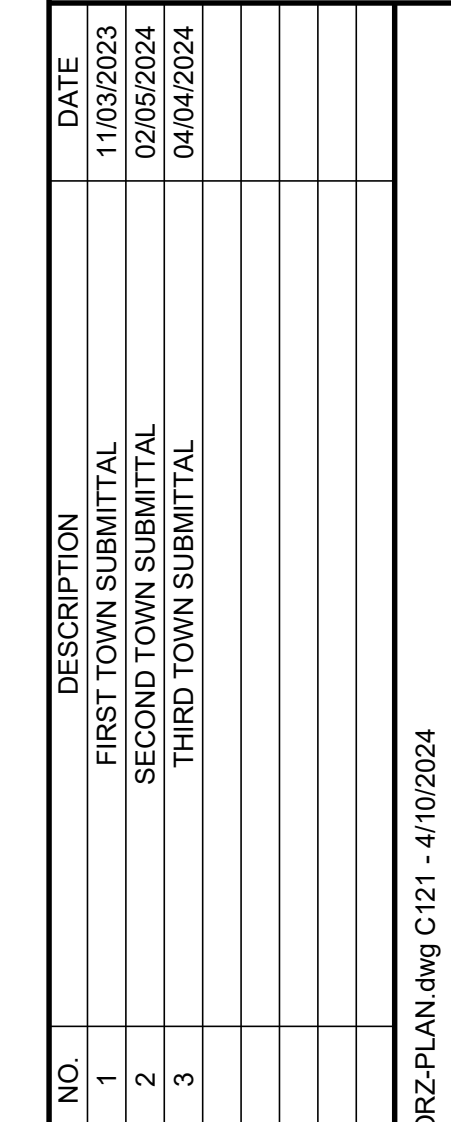
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DRAWN BY:	DEI
CHECKED BY:	MHV
MIRO JOB NO.	22139

DRAWING NUMBER:

● 100

C-121

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



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2	SECOND TOWN SUBMITTAL	02/05/2024
3	THIRD TOWN SUBMITTAL	04/04/2024
RAD-PLAN.dwg C211 - 4/10/2024		

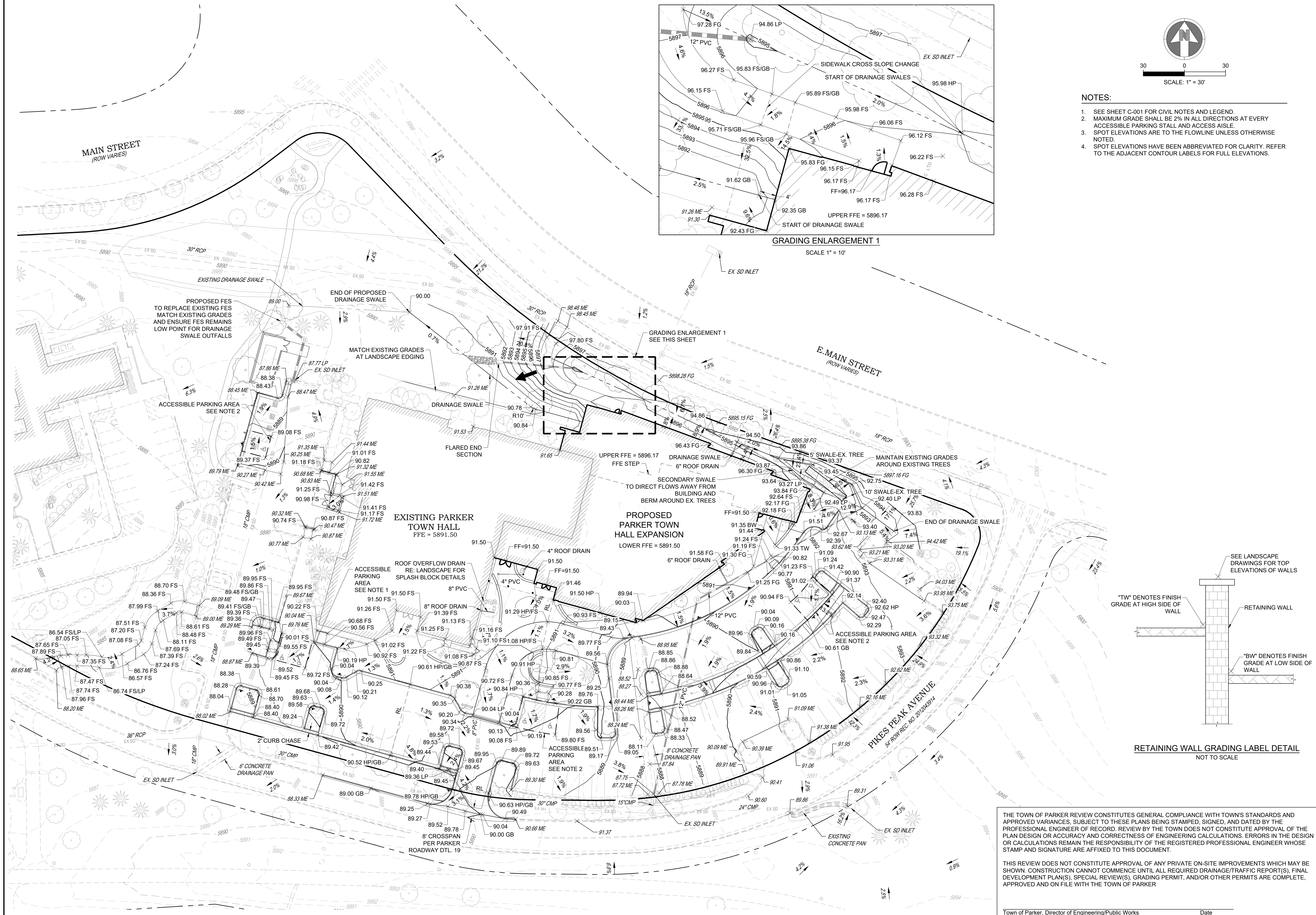
PARKER TOWN HALL EXPANSION
20120 MAINSTREET
PARKER, CO 80138

110



DESIGNED BY:	RJH
DRAWN BY:	DEI
CHECKED BY:	MHV
PRO JOB NO.	22139
DRAWING NUMBER:	

C-211



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 _____

PARKER TOWN HALL

A map showing the proposed site location. The site is a yellow-shaded triangular area at the intersection of Main Street and Pike's Peak Avenue. A black arrow points to this area with the word "SITE" above it. Surrounding streets include Applewood Ct, Crestwood Ct, Bayfield Way, Pine Dr, Talon Trail, SummerSet Ln, Vista Rd, Parker Vista Rd, E Main St, Willow Park Dr, Stonehenge Way, S Pine Dr, and S Pike's Dr. A north arrow is located in the top right corner.

Sheet List Table	
Sheet Number	Sheet Title
C-240	EROSION CONTROL COVER SHEET
C-241	INITIAL EROSION CONTROL PLAN
C-242	INTERIM EROSION CONTROL PLAN
C-243	FINAL EROSION CONTROL PLAN
C-244	OFF-SITE EROSION CONTROL PLAN
C-251	EROSION CONTROL DETAILS
C-252	EROSION CONTROL DETAILS
C-253	EROSION CONTROL DETAILS
C-254	EROSION CONTROL DETAILS
C-255	EROSION CONTROL DETAILS
C-256	EROSION CONTROL DETAILS
C-257	EROSION CONTROL DETAILS
C-258	EROSION CONTROL DETAILS
C-259	EROSION CONTROL DETAILS

I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF COLORADO.



MEGAN HUERTER VOGT
REGISTERED PROFESSIONAL ENGINEER
COLORADO NO. 47666

S.A. MIRO INC.
CONSULTING ENGINEERS

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Suite 750, Denver, CO 80237
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**PARKER TOWN HALL EXPANSION
20120 MAINSTREET
PARKER, CO 80138**

EROSION CONTROL COVER SHEET

ELITE PATH:



DESIGNED BY:	RJH
DRAWN BY:	DEI
CHECKED BY:	MHV
MIRO JOB NO.	22139

DRAWING NUMBER

C-240

OWNER'S REPRESENTATIVE
TOWN OF PARKER
20120 E. MAIN STREET
PARKER, CO 80138
P: (303) 840-9546

S.A. MIRO INC.
MEGAN H. VOGT
4582 SOUTH ULSTER STREET
SUITE 750 DENVER, CO 80237
303-741-3737

AZTEC CONSULTANTS, INC.
DANIEL E. DAVIS
300 EAST MINERAL AVE, SUITE 1
LITTLETON, CO 80122
P: (303)-713-1898

BEARINGS SHOWN HEREON ARE GRID BEARINGS DERIVED FROM GPS OBSERVATIONS BASED UPON THE COLORADO COORDINATE SYSTEM OF 1983 CENTRAL ZONE (NAD 83, 2011), REFERENCED TO THE WEST LINE OF THE NORTHWEST QUARTER OF SECTION 23, TOWNSHIP 6 SOUTH, RANGE 66 WEST, SIXTH PRINCIPAL MERIDIAN, BEING MONUMENTED AT THE NORTHWEST CORNER OF SAID SECTION 23 BY A 2.314" ALUMINUM CAP STAMPED IN PLT 131515 1993, TAKEN TO BEAR NORTH 00°25'07" EAST, A DISTANCE OF 2,648.44 FEET.

1-1/4" ALUMINUM ALLOY CAP SET ON NUMBER 5 REBAR STAMPED " AZTEC CP 51
"LOCATED IN THE NORTH PARKING LOT OF CORNERSTONE PARK IN LITTELTON, IN
THE GRASSY ISLAND 80.3 FEET EAST OF THE EAST EDGE THE GRAVEL TRAFFIC
CIRCLE, AND 8 FEET NORTH OF THE EDGE OF GRAVEL

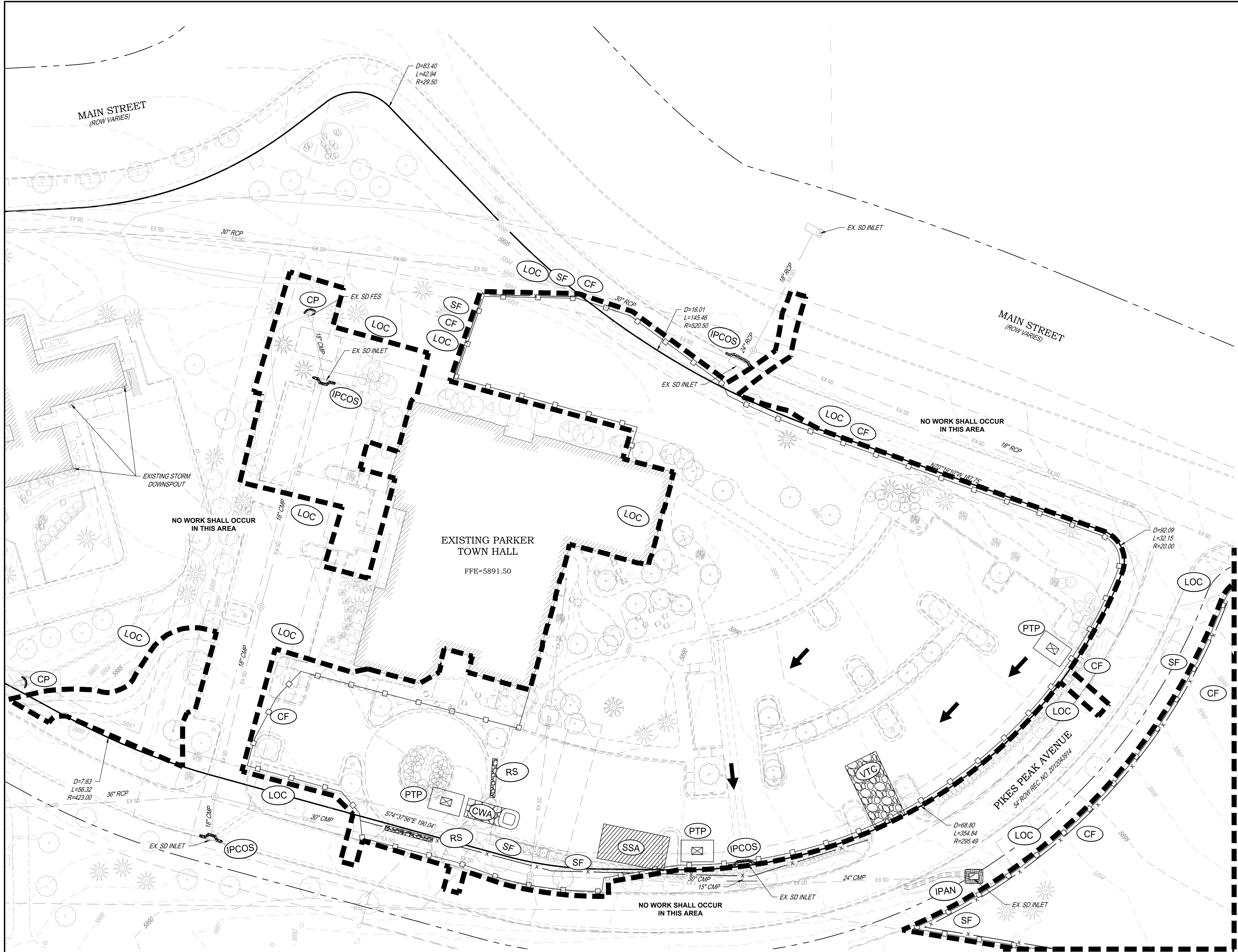
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Date _____



NOTES:

1. SEE SHEETS C-251-C-259 FOR EROSION CONTROL NOTES, LEGEND AND DETAILS.

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

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.
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- 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 STORGAE 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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PROJECT:

PARKER TOWN HALL EXPANSION
20120 MAINSTREET
PARKER, CO 80138

DRAWING TITLE:

INITIAL EROSION CONTROL PLAN

FILE PATH:

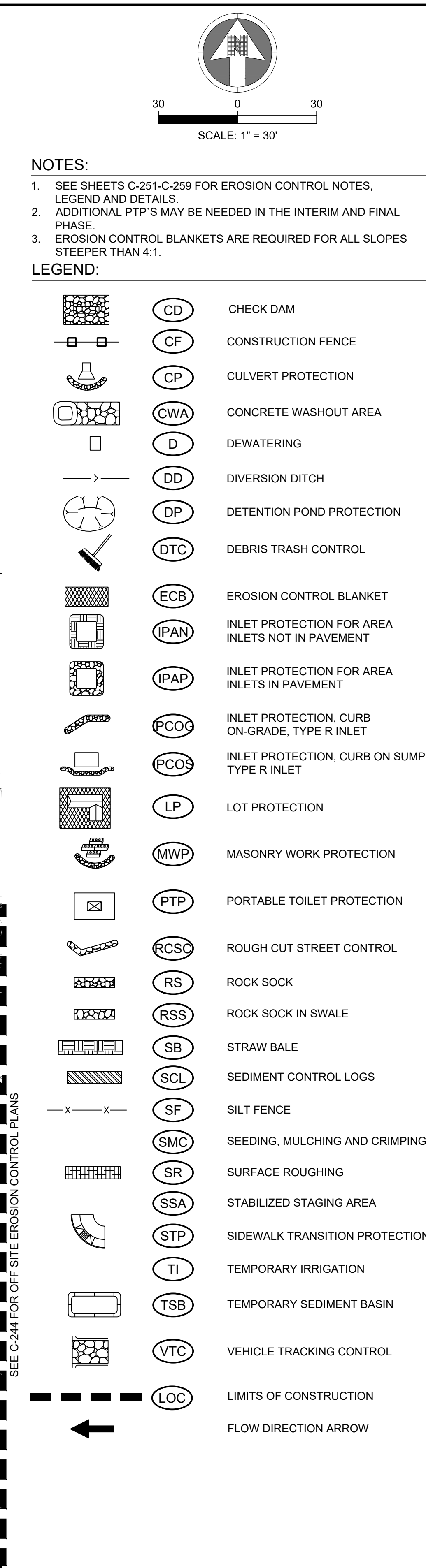
DESIGNED BY: RJH

DRAWN BY: DEI

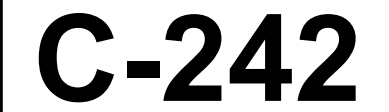
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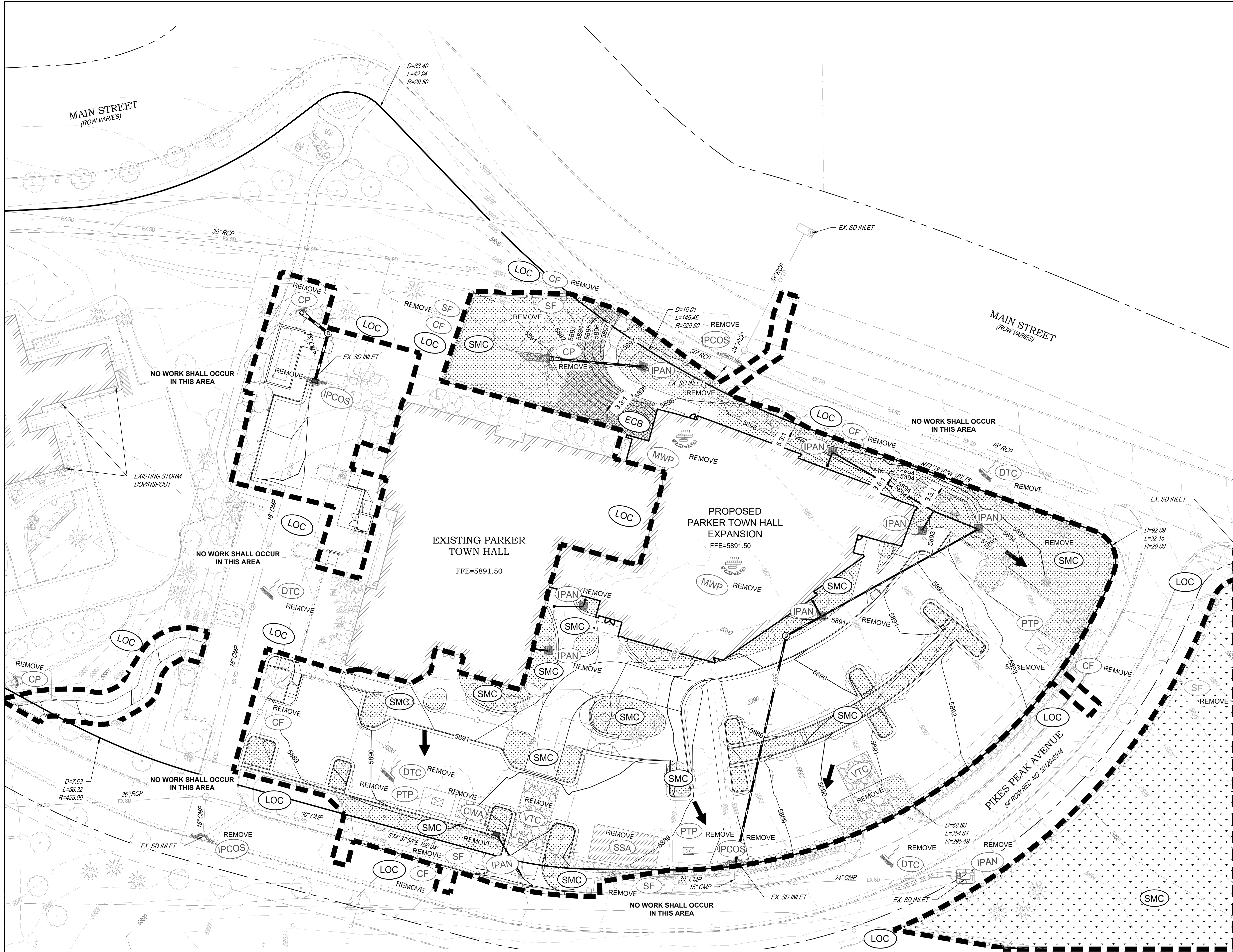
MIRO JOB NO. 22139

DRAWING NUMBER: C-241



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





NOTES:

- SEE SHEETS C-251-C-259 FOR EROSION CONTROL NOTES, LEGEND AND DETAILS.
- ADDITIONAL PTP'S MAY BE NEEDED IN THE INTERIM AND FINAL PHASE.
- EROSION CONTROL BLANKETS ARE REQUIRED FOR ALL SLOPES STEEPER THAN 4:1.

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
	PCOC	INLET PROTECTION, CURB ON-GRADE, TYPE R INLET
	PCOS	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

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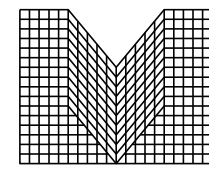
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PROJECT: PARKER TOWN HALL EXPANSION
20120 MAINSTREET
PARKER, CO 80138

DRAWING TITLE: FINAL EROSION CONTROL PLAN

FILE PATH:

DESIGNED BY: RJH
DRAWN BY: DEI
CHECKED BY: MHV
MIRO JOB NO. 22139
DRAWING NUMBER: **C-243**



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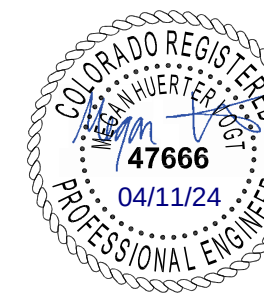
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PROJECT: PARKER TOWN HALL EXPANSION
20120 MAINSTREET
PARKER, CO 80138

DRAWING TITLE: OFF-SITE EROSION CONTROL PLAN

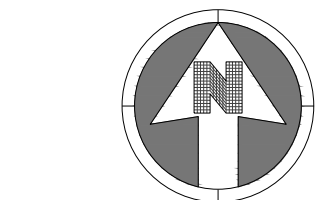
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CHECKED BY: MHV
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DRAWING NUMBER:

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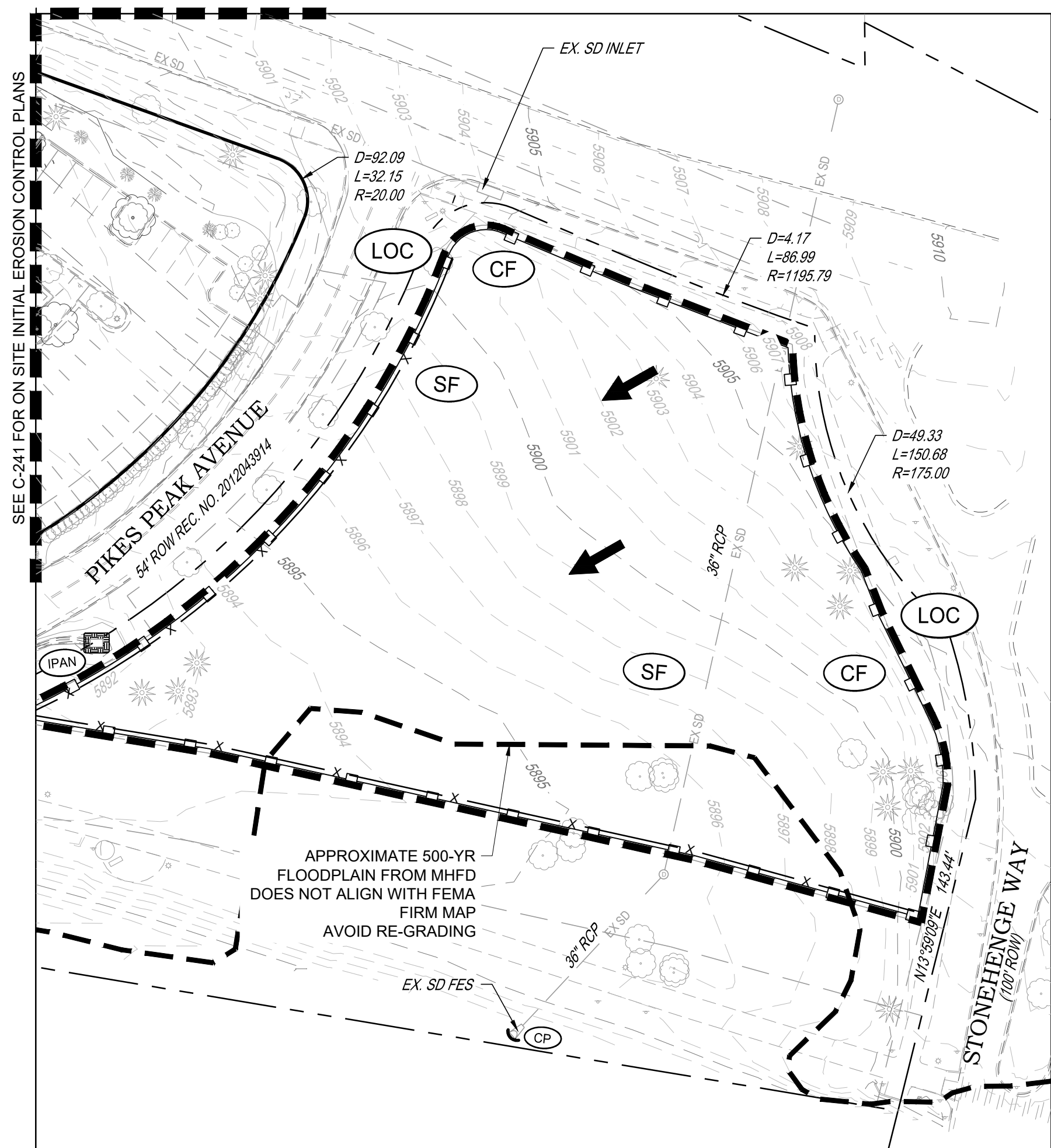
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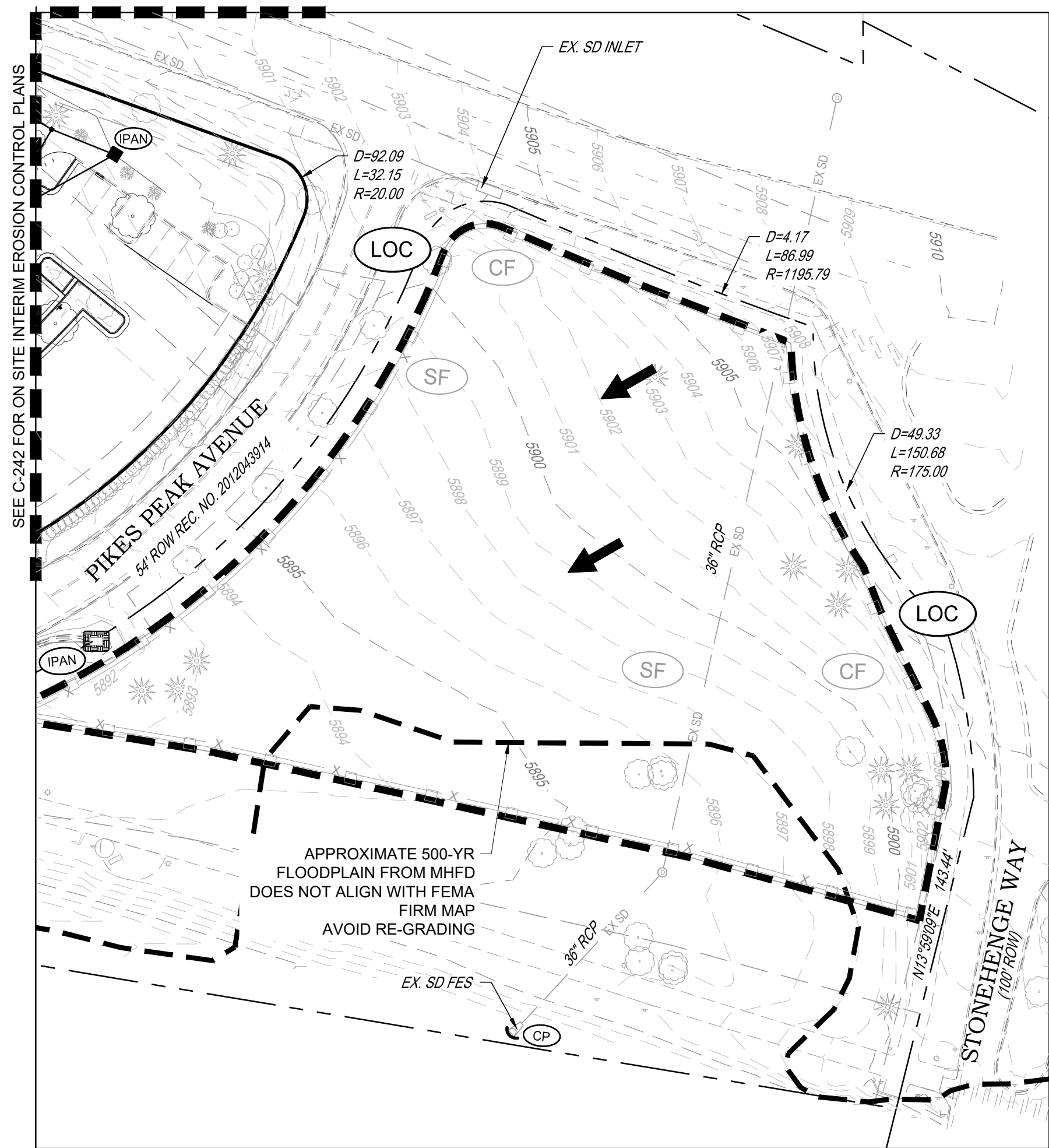
1. SEE SHEETS C-251-C-259 FOR EROSION CONTROL NOTES, LEGEND AND DETAILS.

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
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	(PCOS)	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



INITIAL EROSION CONTROL



INTERIM EROSION CONTROL

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Date

TOWN OF PARKER NOTES:

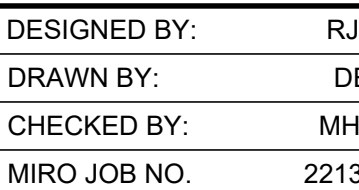
- ALL GRADES SHOWN ARE FINAL FINISHED SURFACE GRADE AFTER TOPSOIL, SOD, PAVING ETC., EXCEPT IN THE AREA OF SOIL STOCK PILE.
- SEE TOWN OF PARKER CONSTRUCTION BEST MANAGEMENT PRACTICES.
- THE VTC PAD FOR A CWA DOES NOT NEED TO CONFORM TO THE FORMAL VTC DETAIL, AND THE TRUE LOCATION OF THE CWA MAY BE DETERMINED 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 STORAGAE 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 THE ECS.



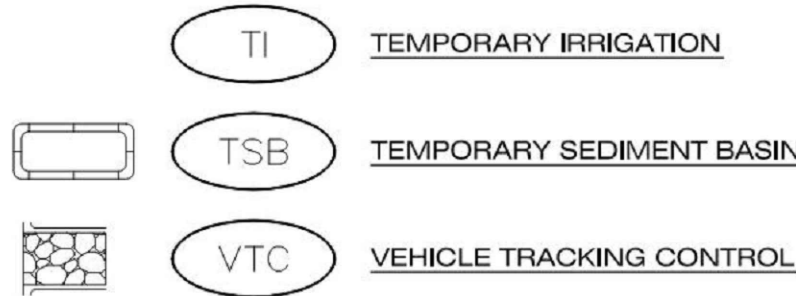
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PROJECT:	PARKER TOWN HALL EXPANSION 20120 MAINSTREET PARKER, CO 80138
DRAWING TITLE:	EROSION CONTROL DETAILS

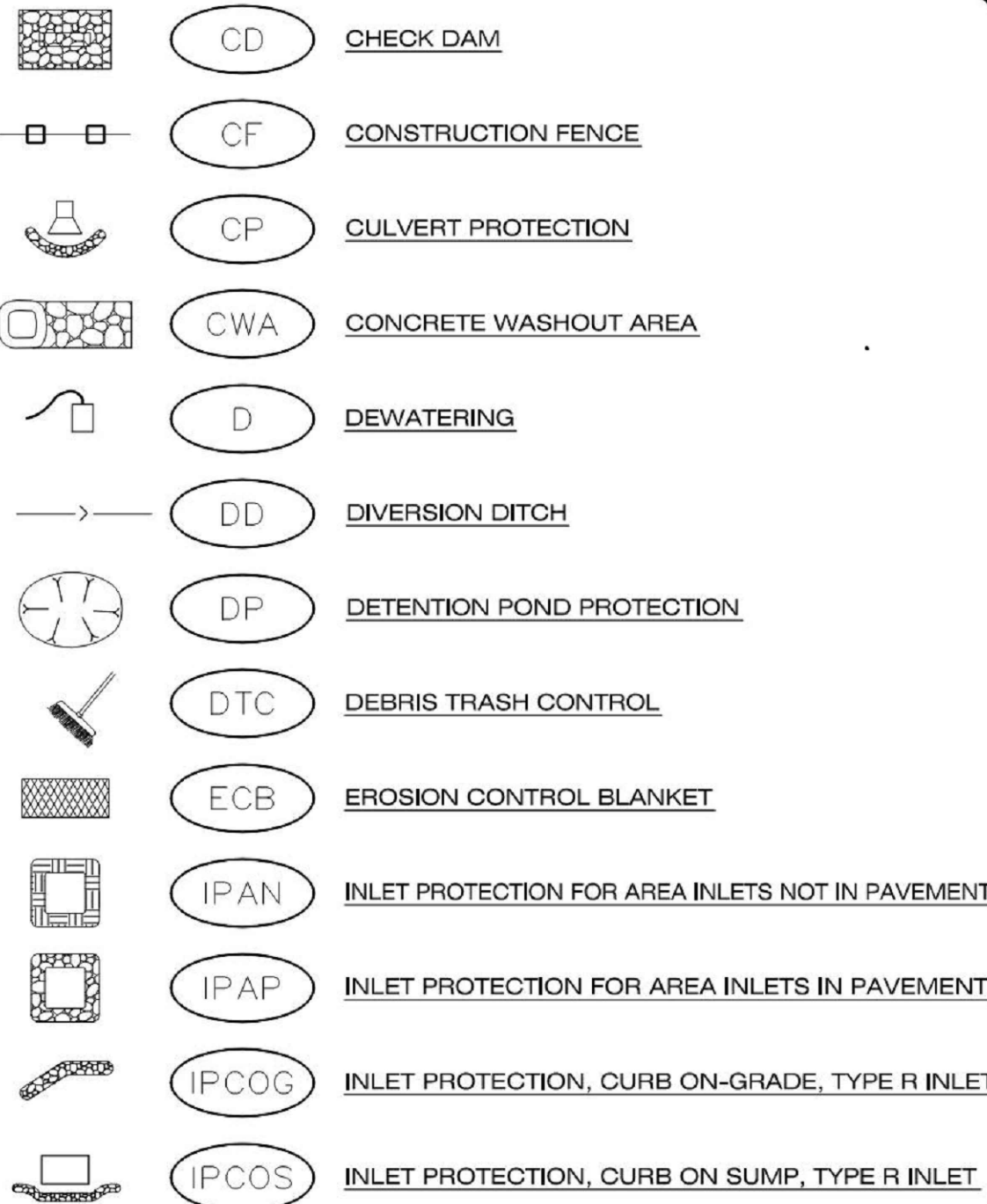


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CONSTRUCTION BEST MANAGEMENT PRACTICES

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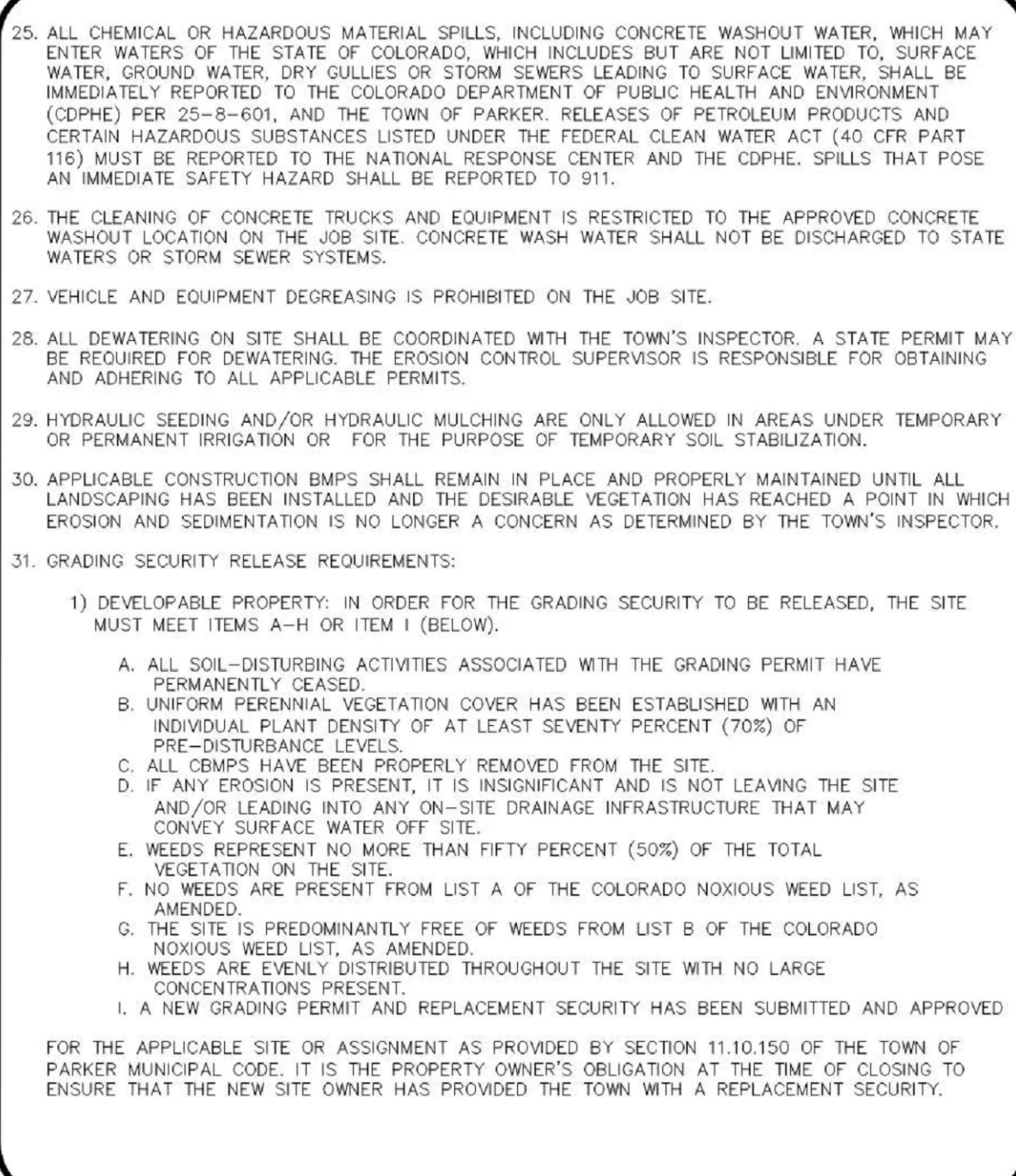


CONSTRUCTION BEST MANAGEMENT PRACTICES

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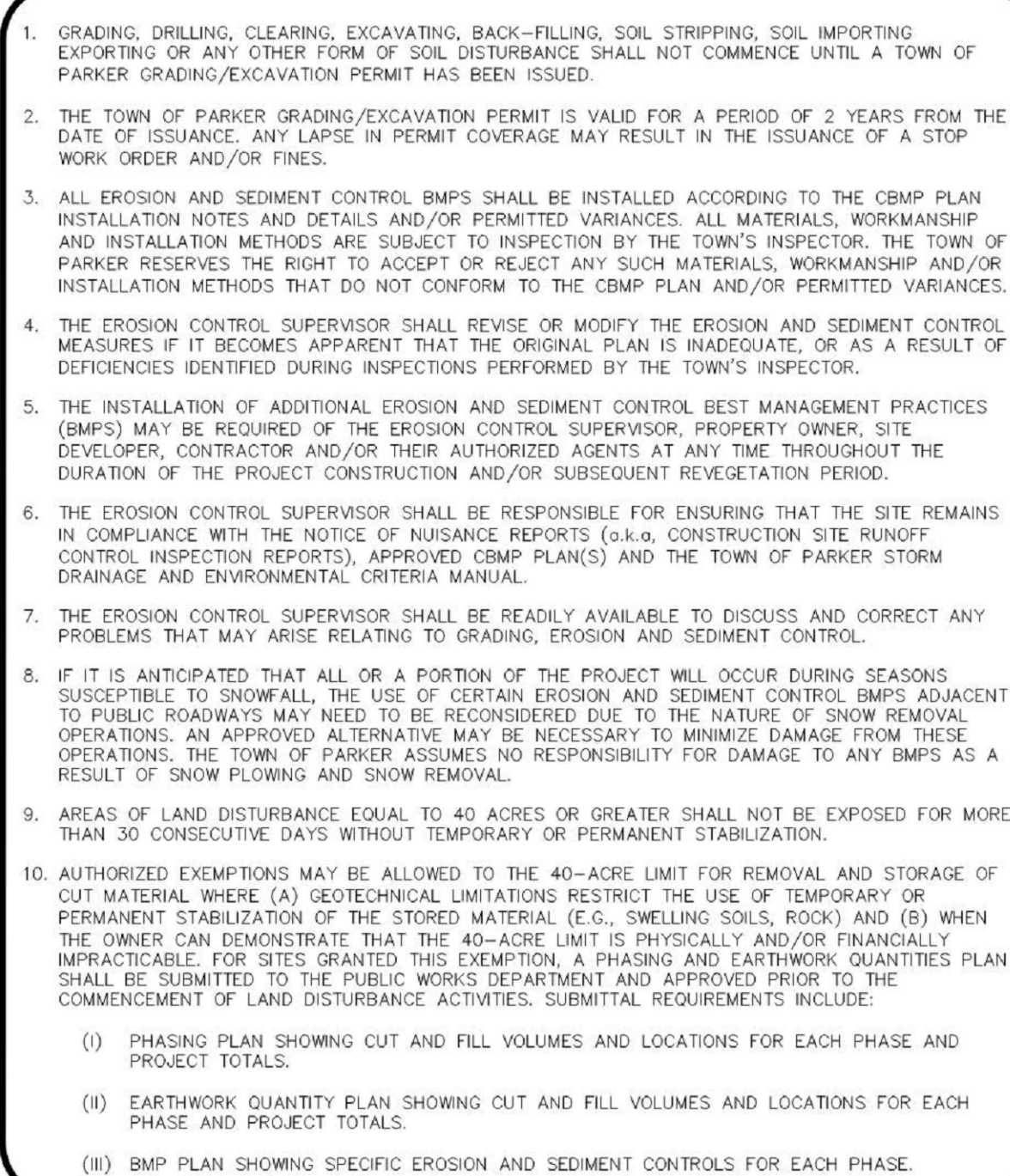
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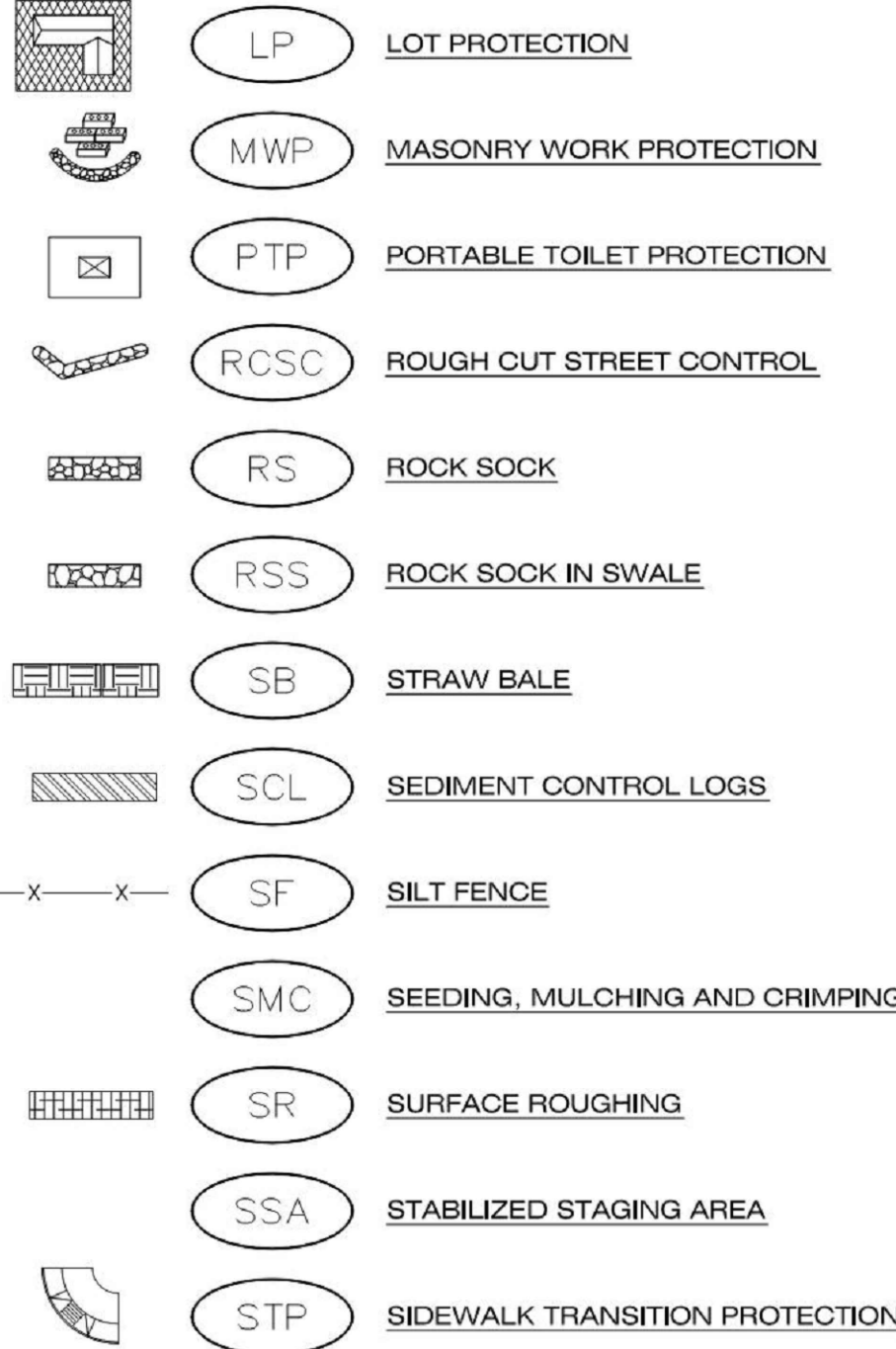
CONSTRUCTION BEST MANAGEMENT PRACTICES

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CONSTRUCTION BEST MANAGEMENT PRACTICES

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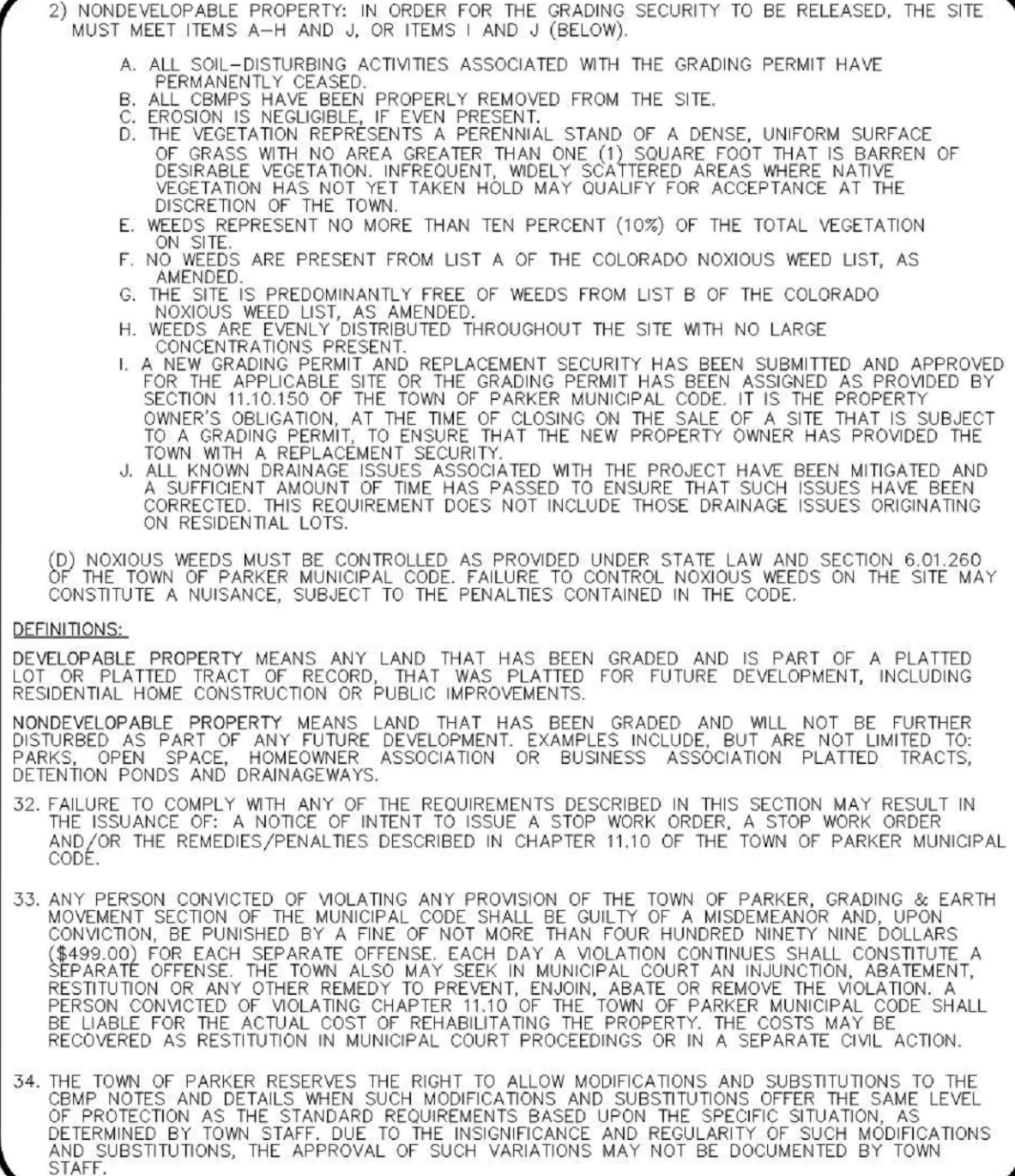


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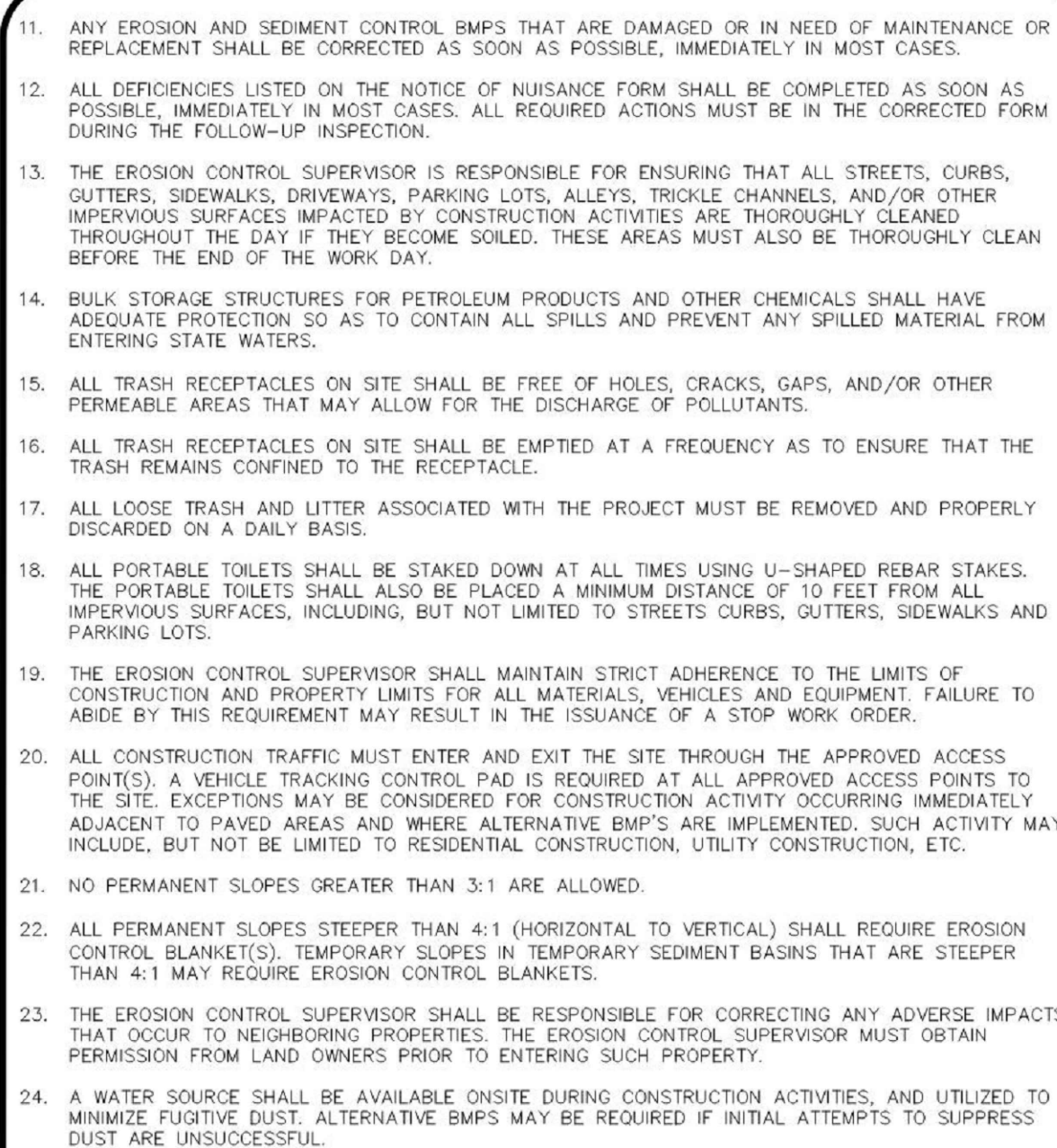
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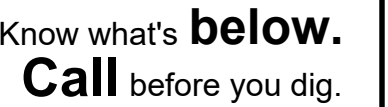


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NO.	DESCRIPTION	DATE
1	FIRST TOWN SUBMITTAL	1/10/2024
2	SECOND TOWN SUBMITTAL	02/05/2024
3	THIRD TOWN SUBMITTAL	04/04/2024

PROJECT: **PARKER TOWN HALL EXPANSION**
20120 MAINSTREET
PARKER, CO 80138

DRAWING TITLE: **EROSION CONTROL DETAILS**



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	CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES	CD 3 OF 3 Oct. 2013
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	CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES	CF 2 OF 2 Oct. 2013
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	CBMP CONSTRUCTION BEST MANAGEMENT PRACTICES	CP 2 OF 2
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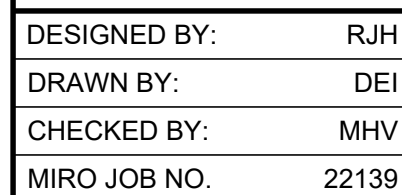




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PROJECT:	PARKER TOWN HALL EXPANSION
	20120 MAINSTREET
	PARKER, CO 80138
DRAWING TITLE:	EROSION CONTROL DETAILS
FILE PATH:	



DRAWING NUMBER:

C-253



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.

 **CBMP**
CONSTRUCTION BEST MANAGEMENT PRACTICES

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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 EXCELSIOR.

MANUFACTURER	PRODUCT NAME
NORTH AMERICAN GREEN	ST150
APPROVED EQUAL	APPROVED EQUAL

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

EROSION CONTROL BLANKET MAINTENANCE NOTES

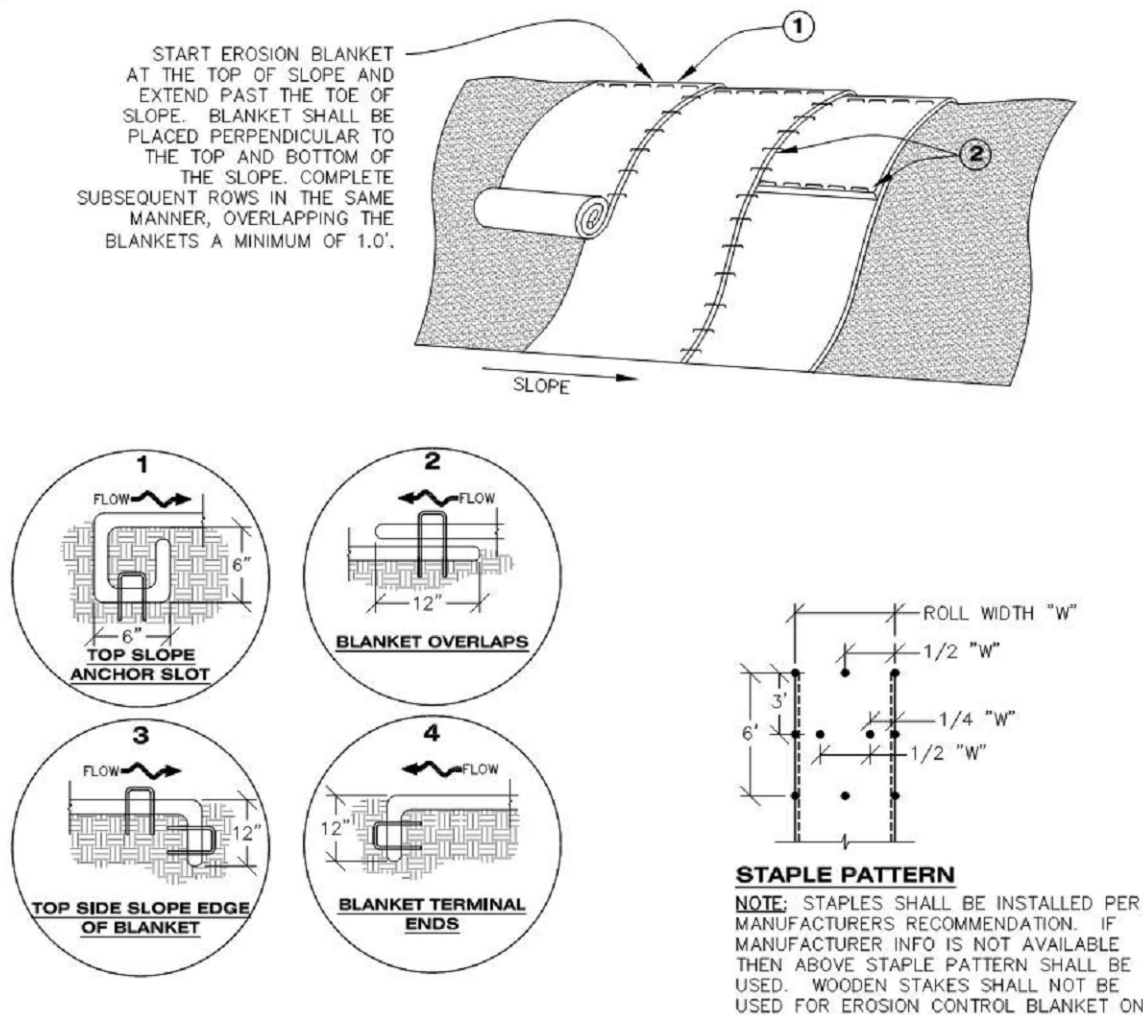
- THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE EROSION CONTROL BLANKETS AND MAKE ANY NECESSARY REPAIRS.

 **CBMP**
CONSTRUCTION BEST MANAGEMENT PRACTICES

ECB
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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 INFO IS NOT AVAILABLE, THEN ABOVE STAPLE PATTERN SHALL BE USED. WOODEN STAKES SHALL NOT BE USED FOR EROSION CONTROL BLANKET ON SLOPES.

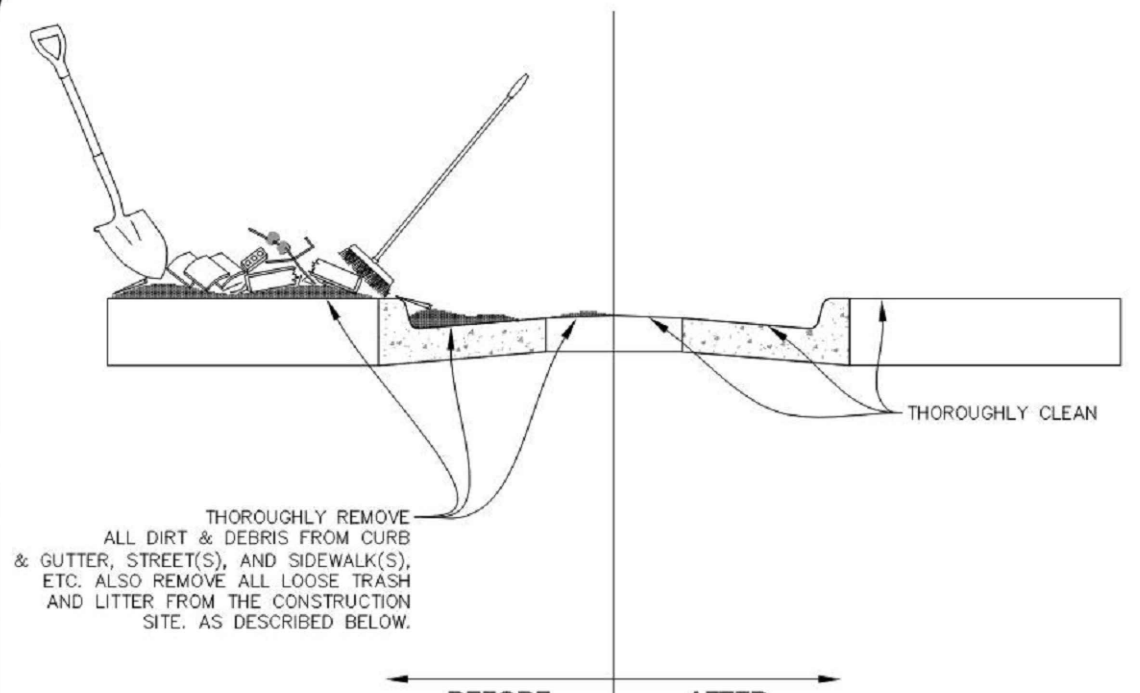
NOTE: WHEN NECESSARY, ALL SEEDING SHALL BE COMPLETED PRIOR TO THE PLACEMENT OF EROSION CONTROL BLANKETS. PLEASE SEE DETAIL SMC FOR SEEDING, MULCHING, AND CRIMPING REQUIREMENTS.

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EROSION CONTROL BLANKET (SLOPE)

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NOTE:

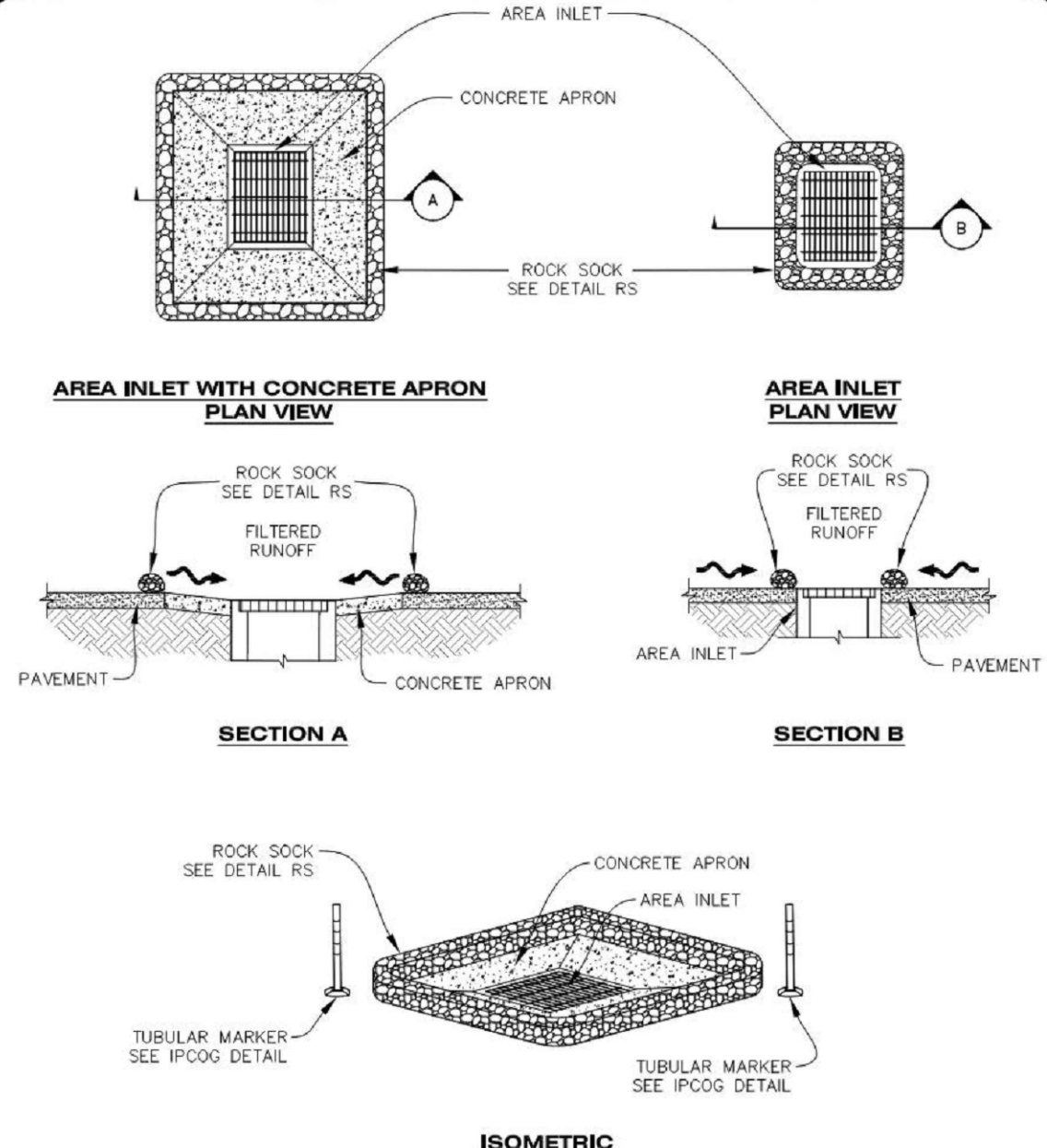
- THE EROSION CONTROL SUPERVISOR IS RESPONSIBLE FOR ENSURING THAT ALL STREETS, CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS, PARKING LOTS, ALLEYS, TRICKLE CHANNELS, AND/OR OTHER IMPERVIOUS SURFACES IMPACTED BY CONSTRUCTION ACTIVITIES ARE THOROUGHLY CLEANED THROUGHOUT THE DAY IF THEY BECOME SOILED. THESE AREAS 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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DEBRIS AND TRASH CONTROL

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AREA INLET WITH CONCRETE APRON
PLAN VIEW
SECTION A
SECTION B
ISOMETRIC

AREA INLET
CONCRETE APRON
ROCK SOCK SEE DETAIL RS
FILTERED RUNOFF
PAVEMENT
TUBULAR MARKER SEE IPCOG DETAIL

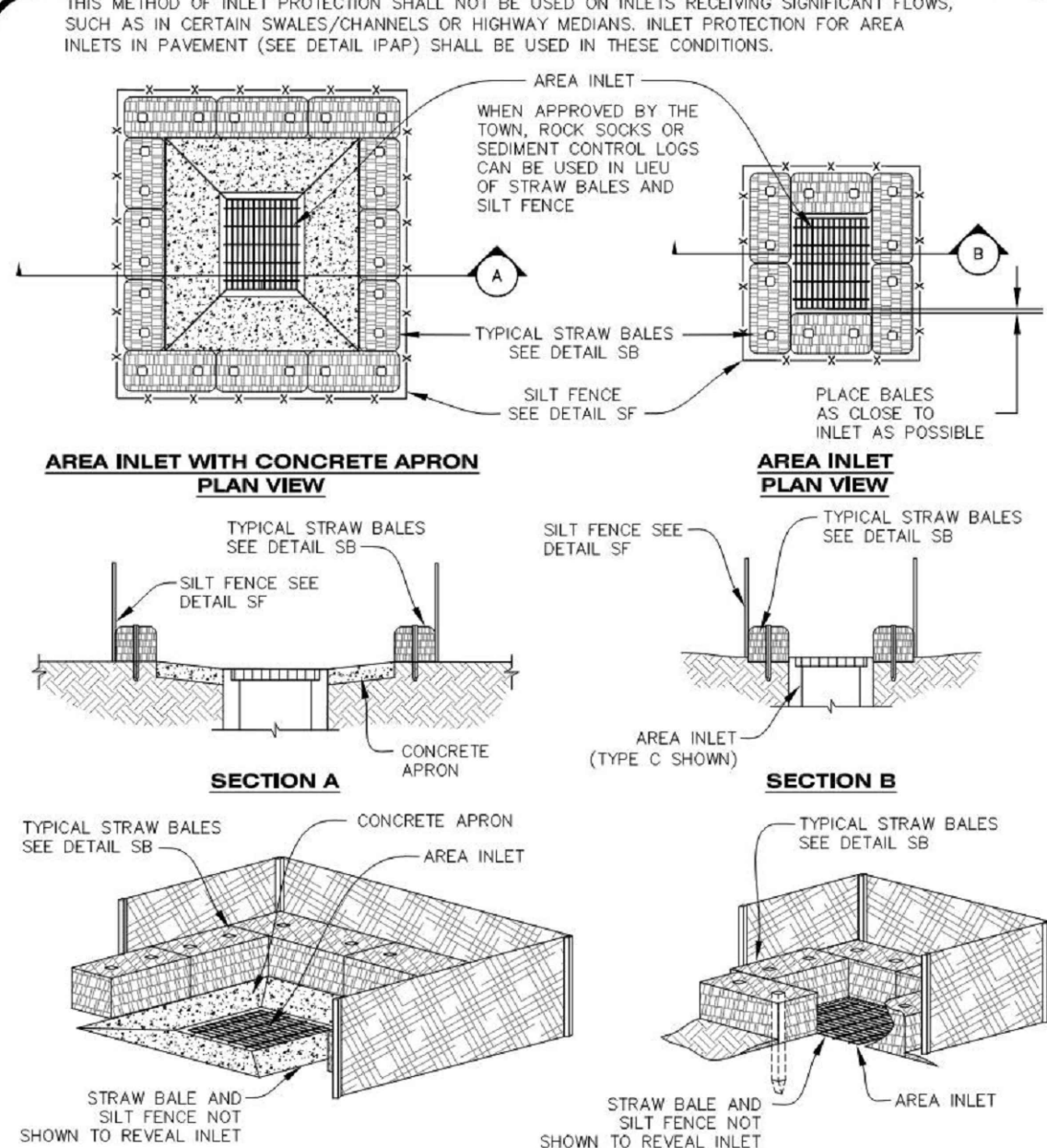
 **CBMP**
CONSTRUCTION BEST MANAGEMENT PRACTICES

IPAP
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INLET PROTECTION FOR AREA INLETS IN PAVEMENT

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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
PLAN VIEW
SECTION A
SECTION B
ISOMETRIC

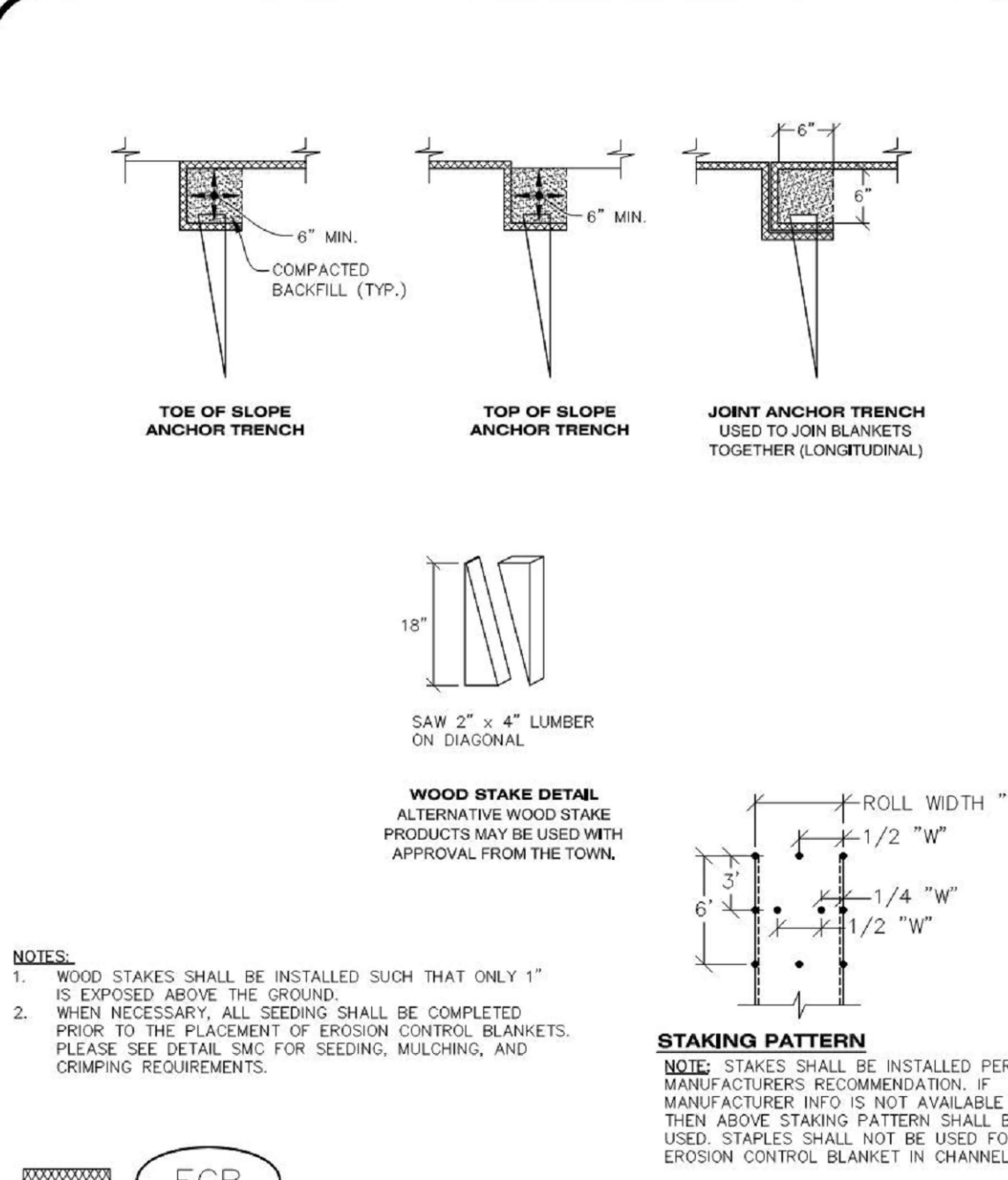
AREA INLET
CONCRETE APRON
TYPICAL STRAW BALES SEE DETAIL SB
SILT FENCE SEE DETAIL SF
PLACE BALES AS CLOSE TO INLET AS POSSIBLE
PAVEMENT
TUBULAR MARKER SEE IPCOG DETAIL

 **CBMP**
CONSTRUCTION BEST MANAGEMENT PRACTICES

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INLET PROTECTION FOR AREA INLETS NOT IN PAVEMENT

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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 INFO IS NOT AVAILABLE, THEN ABOVE STAKING PATTERN SHALL BE USED. STAPLES SHALL NOT BE USED FOR EROSION CONTROL BLANKET IN CHANNELS.

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EROSION CONTROL BLANKET (CHANNEL)

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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DESCRIPTION	FIRST TOWN SUBMITTAL	SECOND TOWN SUBMITTAL	THIRD TOWN SUBMITTAL						
NO.	1	2	3						

PROJECT:
PARKER TOWN HALL EXPANSION
20120 MAINSTREET
PARKER, CO 80138

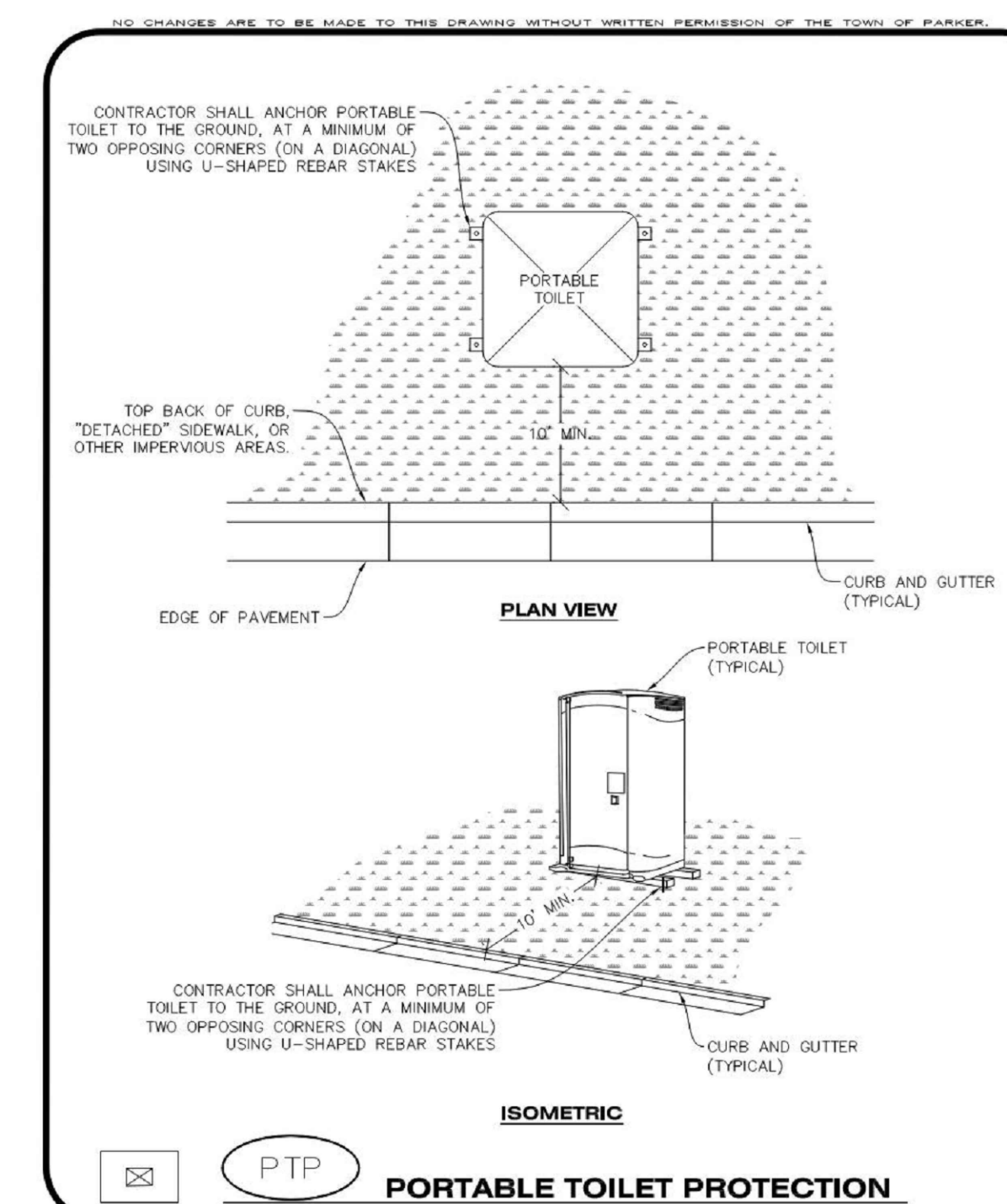
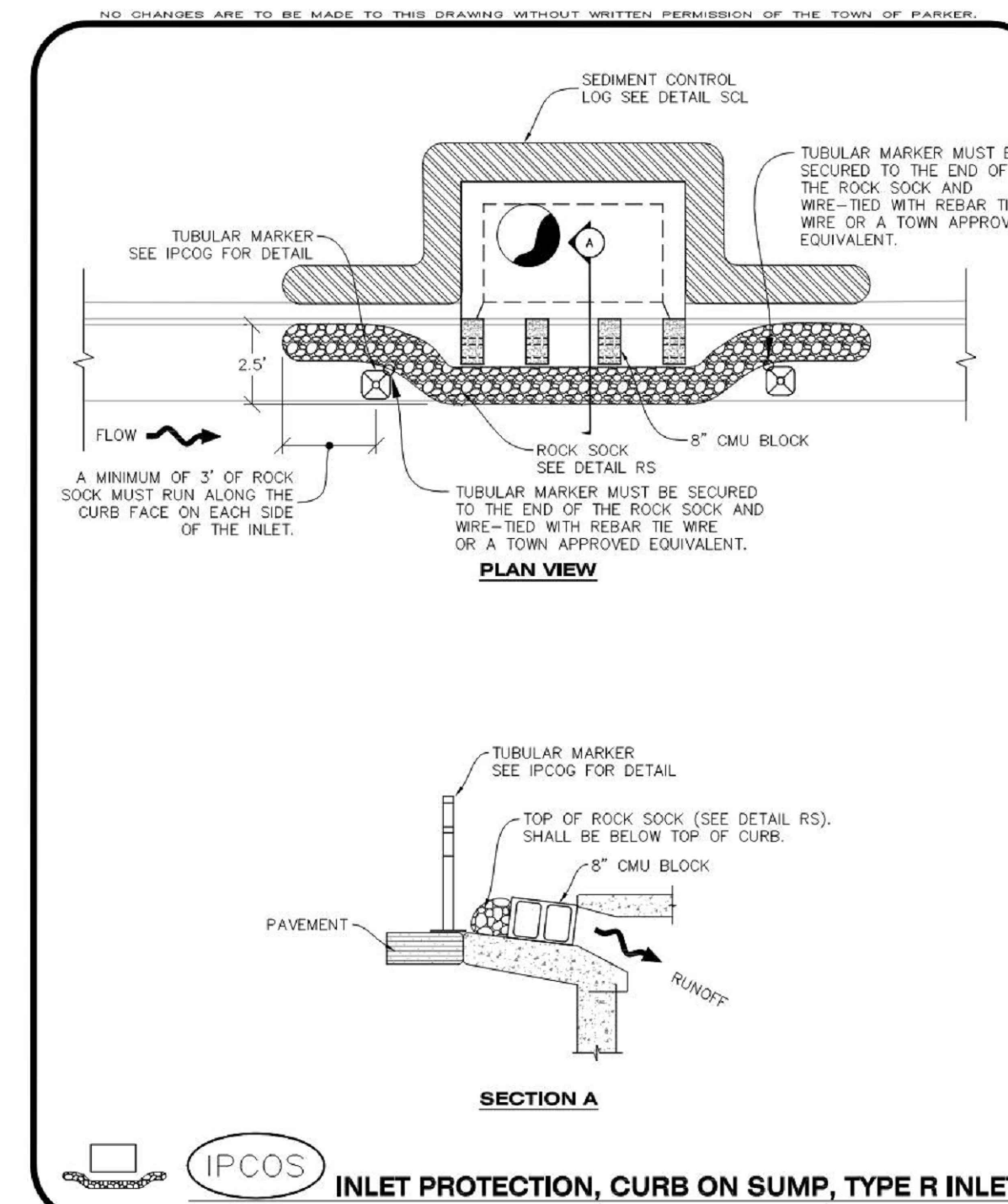
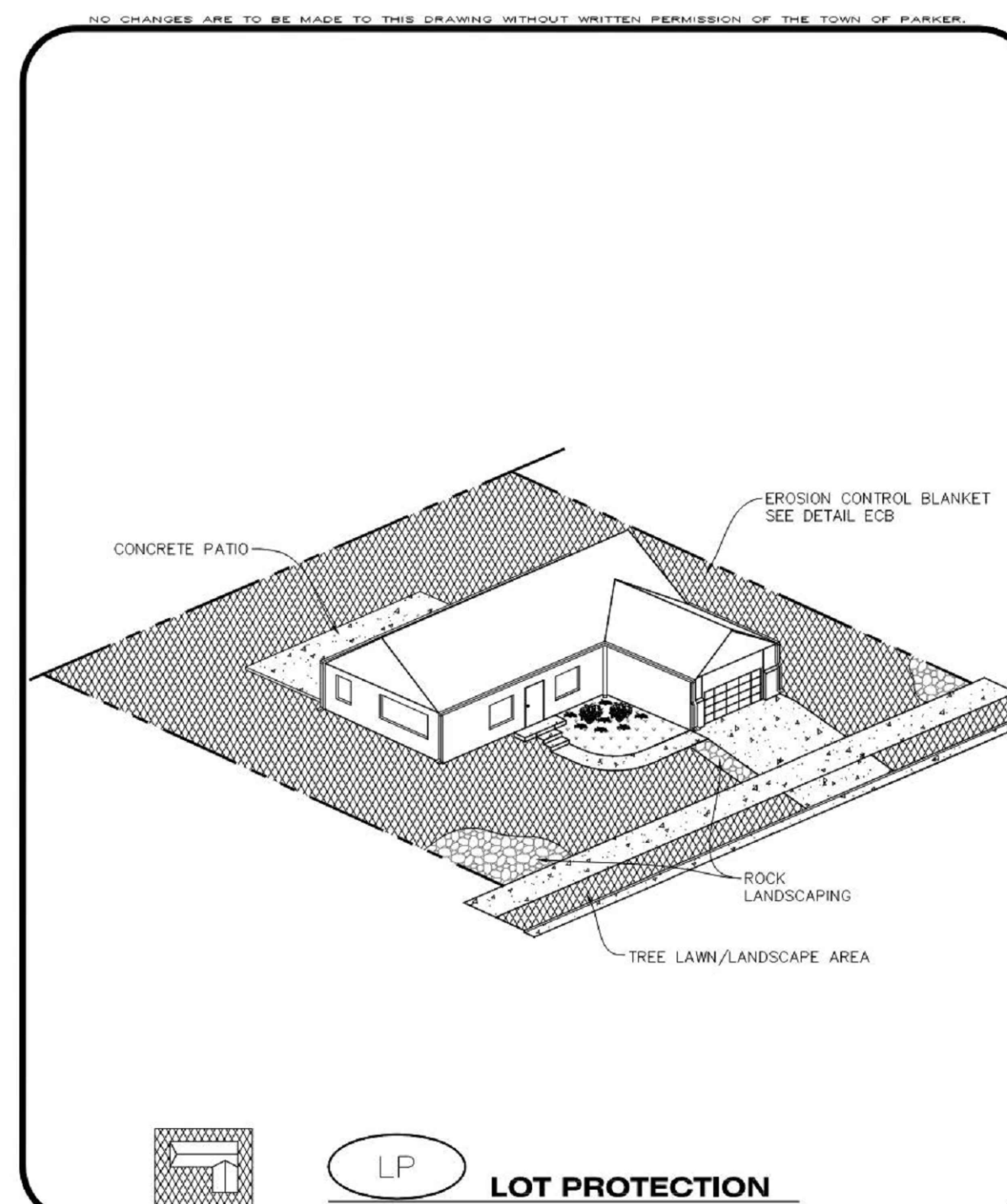
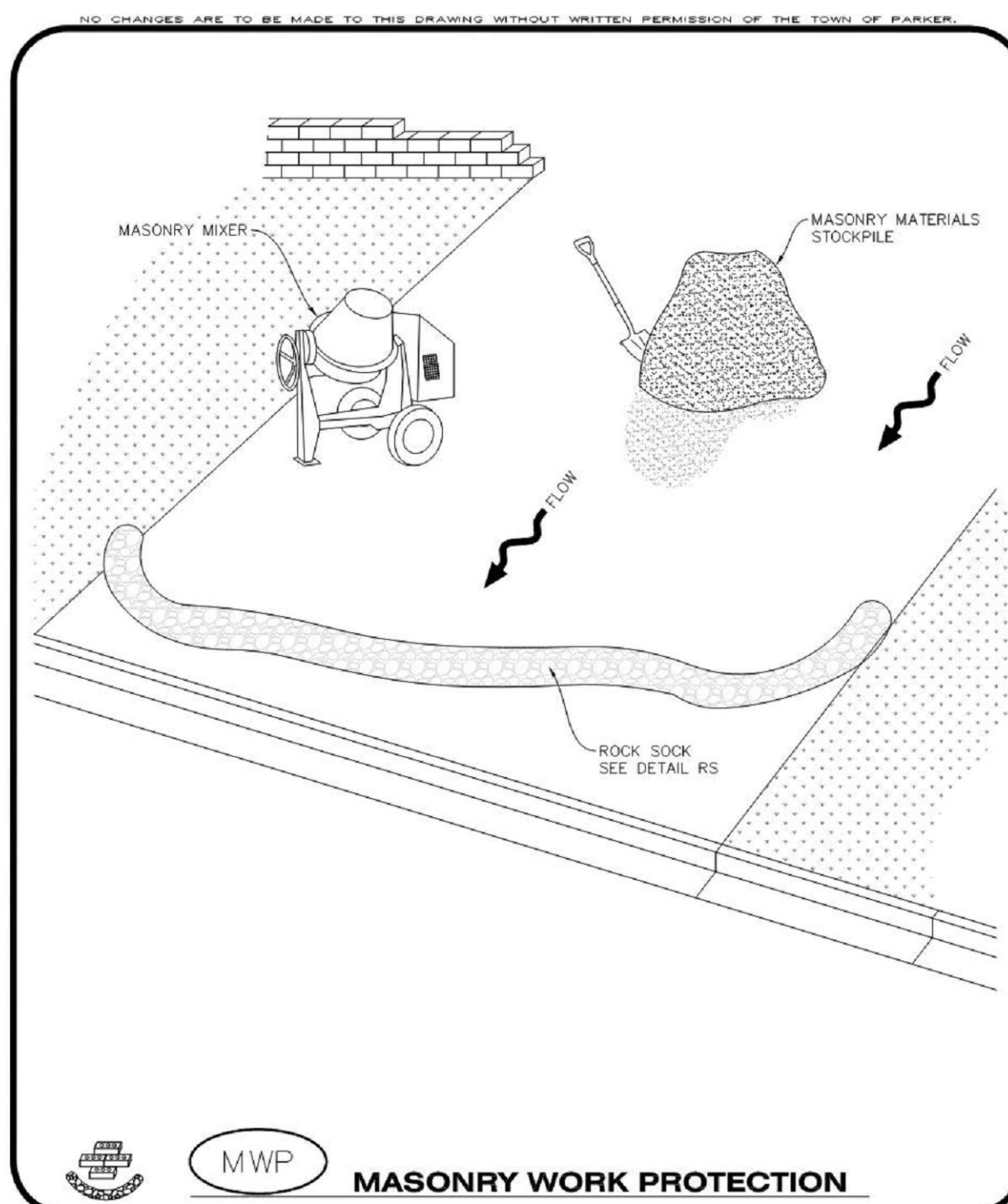
DRAWING TITLE:
EROSION CONTROL DETAILS

FILE PATH:



47666
04/11/24
PROFESSIONAL ENGINEER

DESIGNED BY: RJH
DRAWN BY: DEI
CHECKED BY: MHV
MIRO JOB NO. 22139
DRAWING NUMBER:
C-254



MASONRY WORK PROTECTION INSTALLATION NOTES

1. MASONRY WORK PROTECTION MAY NEED TO BE INSTALLED WHEN MASONRY WORK AND MIXING IS OCCURRING.
2. A ROCK SOCK SHALL BE INSTALLED IN A CRESCENT SHAPE ON THE DOWNHILL SIDE OF THE MASONRY WORK AND MIXER.
3. CRUSHED ROCK SHALL BE 2.0"-3.0" IN SIZE WITH A FRACTURED FACE (ALL SIDES).
4. ROCK SOCK SHALL BE ONE CONTINUOUS PIECE OR SHALL BE CONSTRUCTED USING WIRE WRAPPED JOINTS (SEE DETAIL RS).
5. 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

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

**EROSION CONTROL BLANKET FOR LOT PROTECTION INSTALLATION NOTES**

1. ALL EROSION CONTROL BLANKETS FOR LOT PROTECTION INSTALLED IN THE TOWN SHALL MEET THE FOLLOWING MINIMUM REQUIREMENTS:
- | | |
|----------------------|----------------|
| MANUFACTURER | PRODUCT NAME |
| NORTH AMERICAN GREEN | \$150 EN |
| APPROVED EQUAL | APPROVED EQUAL |
2. 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.
3. ANY DAMAGED OR EXCESS STAPLES SHALL BE REMOVED FROM THE SITE FOLLOWING INSTALLATION.
4. THE EROSION CONTROL BLANKETING REQUIRED AS PART OF THE LOT PROTECTION (LP) REQUIREMENT MUST BE INSTALLED OVER ALL UN-LANDSCAPED AREAS WITHIN EACH RESIDENTIAL, MULTIFAMILY AND COMMERCIAL LOT PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY / TEMPORARY CERTIFICATE OF OCCUPANCY.

EROSION CONTROL BLANKET FOR LOT PROTECTION MAINTENANCE NOTES

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



CURB INLET PROTECTION INSTALLATION NOTES

1. SEE CBMP PLAN FOR LOCATION(S) OF CURB INLET PROTECTION.
2. CRUSHED ROCK SHALL BE 2.0"-3.0" IN SIZE WITH A FRACTURED FACE (ALL SIDES).
3. ROCK SOCK SHALL BE ONE CONTINUOUS PIECE OR SHALL BE CONSTRUCTED USING WIRE WRAPPED JOINTS (SEE DETAIL RS).
4. ROCK SOCK SHALL BE CONSTRUCTED USING CHICKEN WIRE OR OTHER APPROVED MATERIAL SIZED TO KEEP ROCK FROM SPILLING OUT.
5. ROCK SOCK SHALL EXTEND 3.0' ALONG THE CURB BEYOND LOCATIONS WHERE IT RETURNS TO CONTACT CURB FACE.
6. TUBULAR TRAFFIC MARKERS SHALL BE A MINIMUM OF 36" IN HEIGHT WITH REFLECTIVE BANDS AND OCTAGON SHAPED BASES.
7. 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.
8. C&U 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

1. THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE CURB INLET PROTECTION.
2. ACCUMULATED SEDIMENT SHALL BE REMOVED AS SOON AS POSSIBLE, IMMEDIATELY IN MOST CASES.
3. ROCK SOCKS SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED OR DAMAGED.
4. 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.



PORTABLE TOILET PROTECTION INSTALLATION NOTES

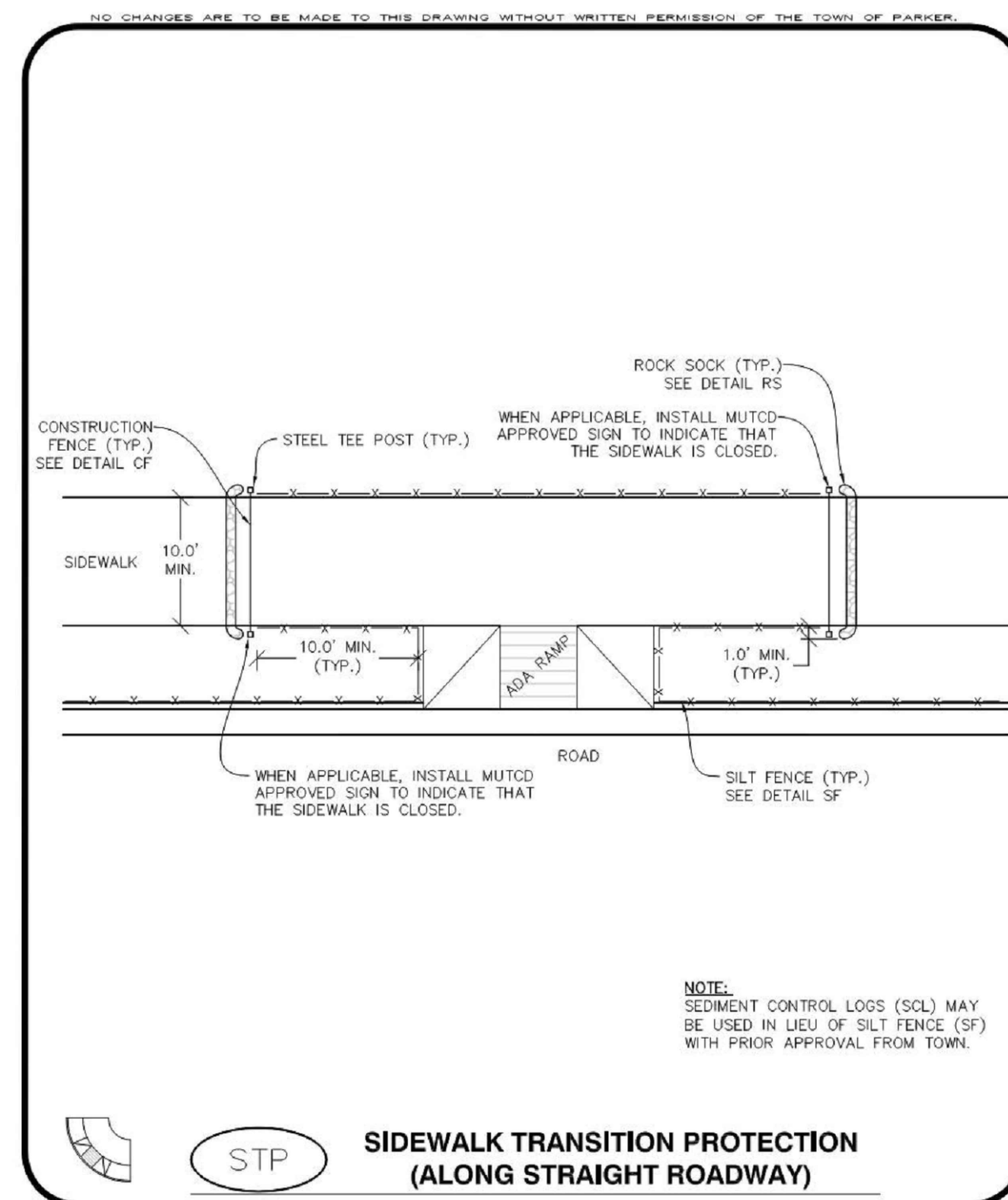
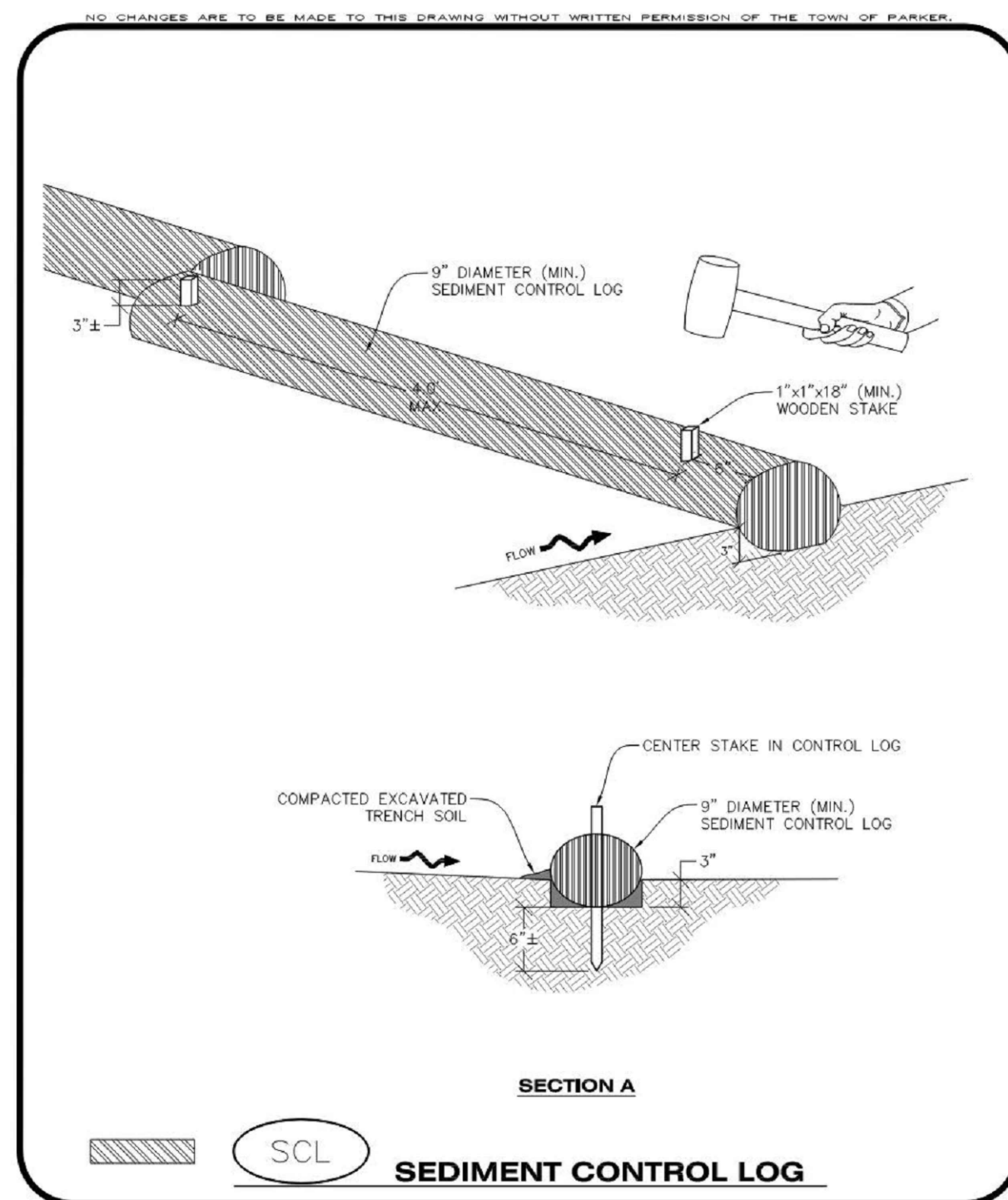
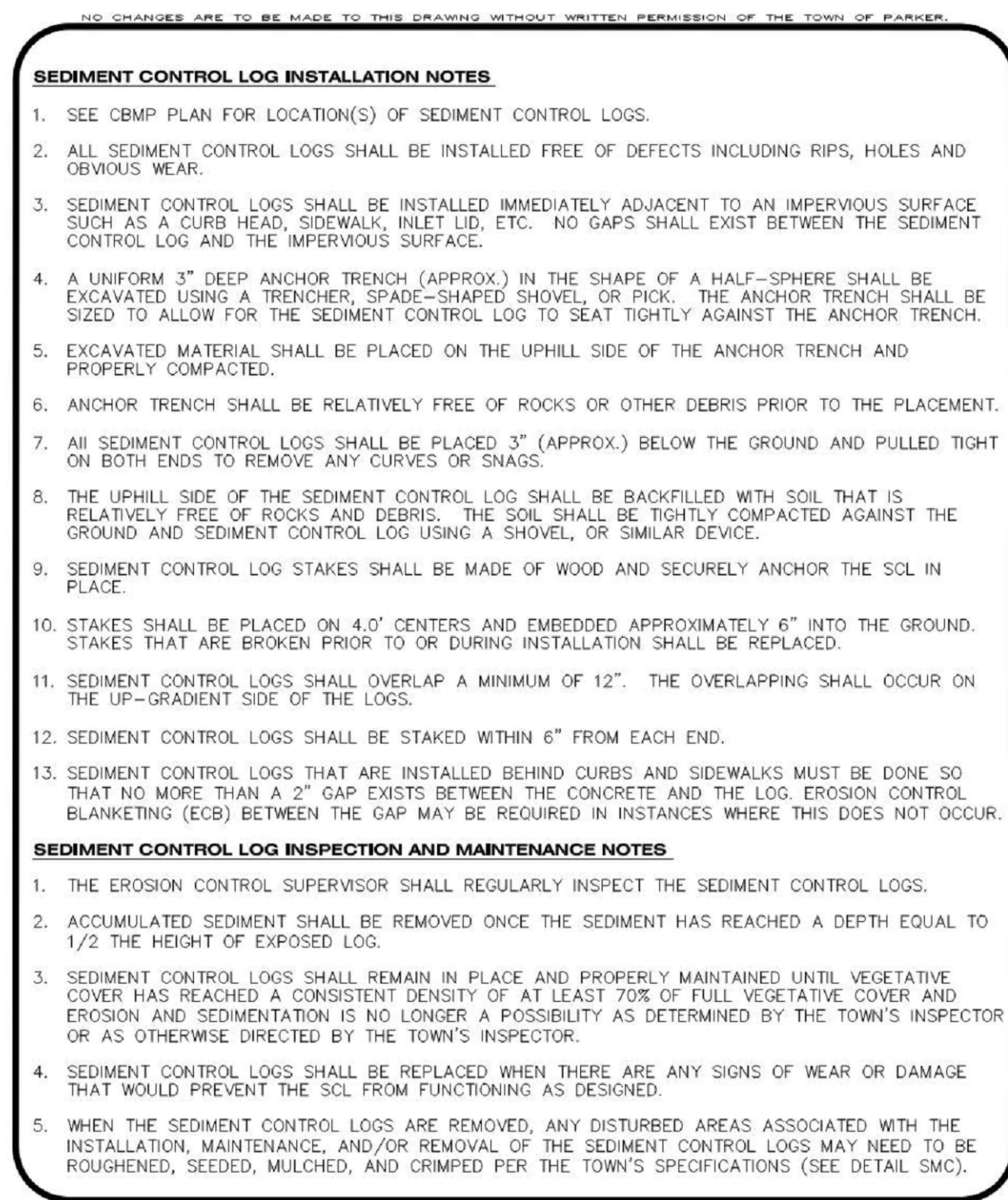
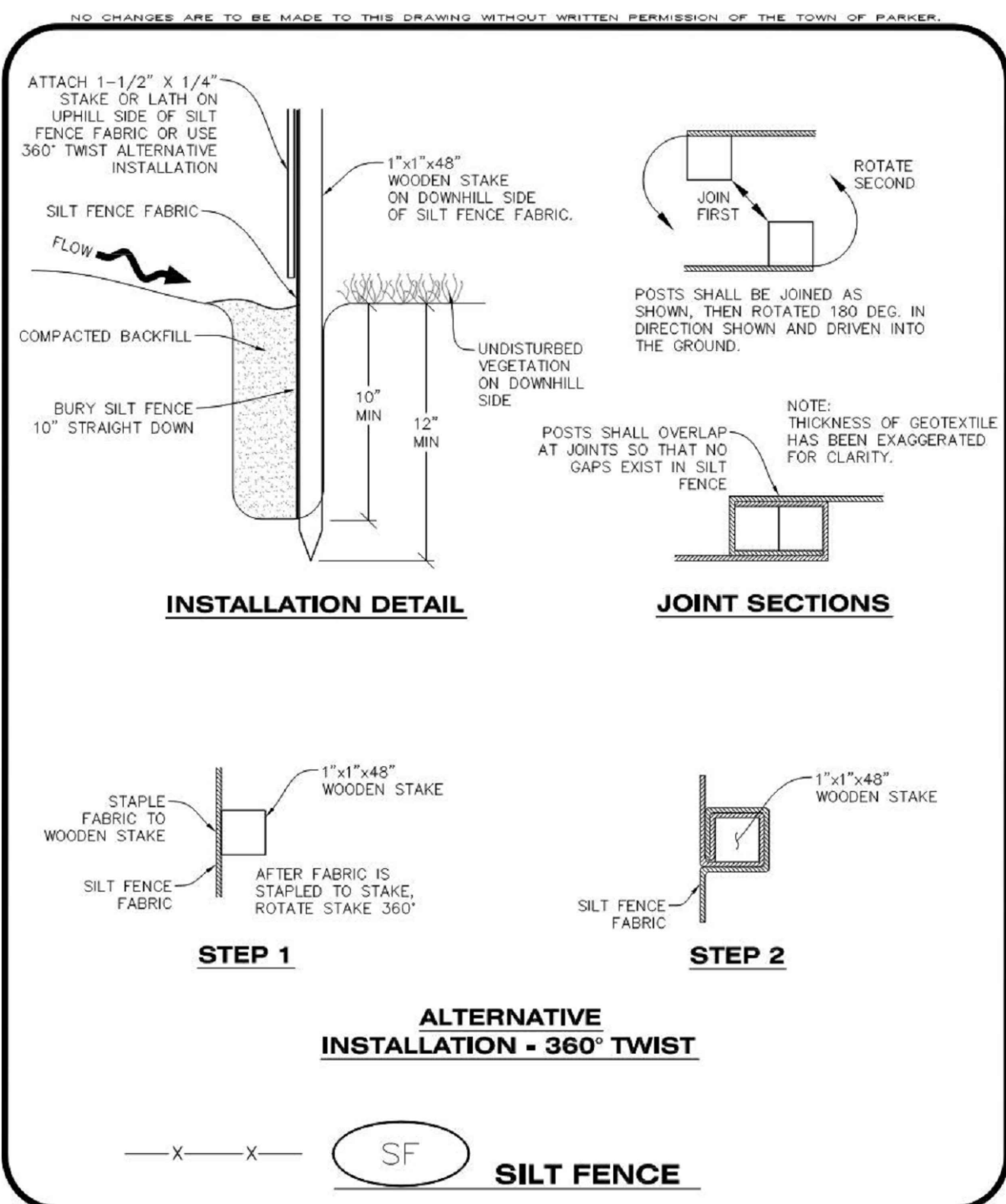
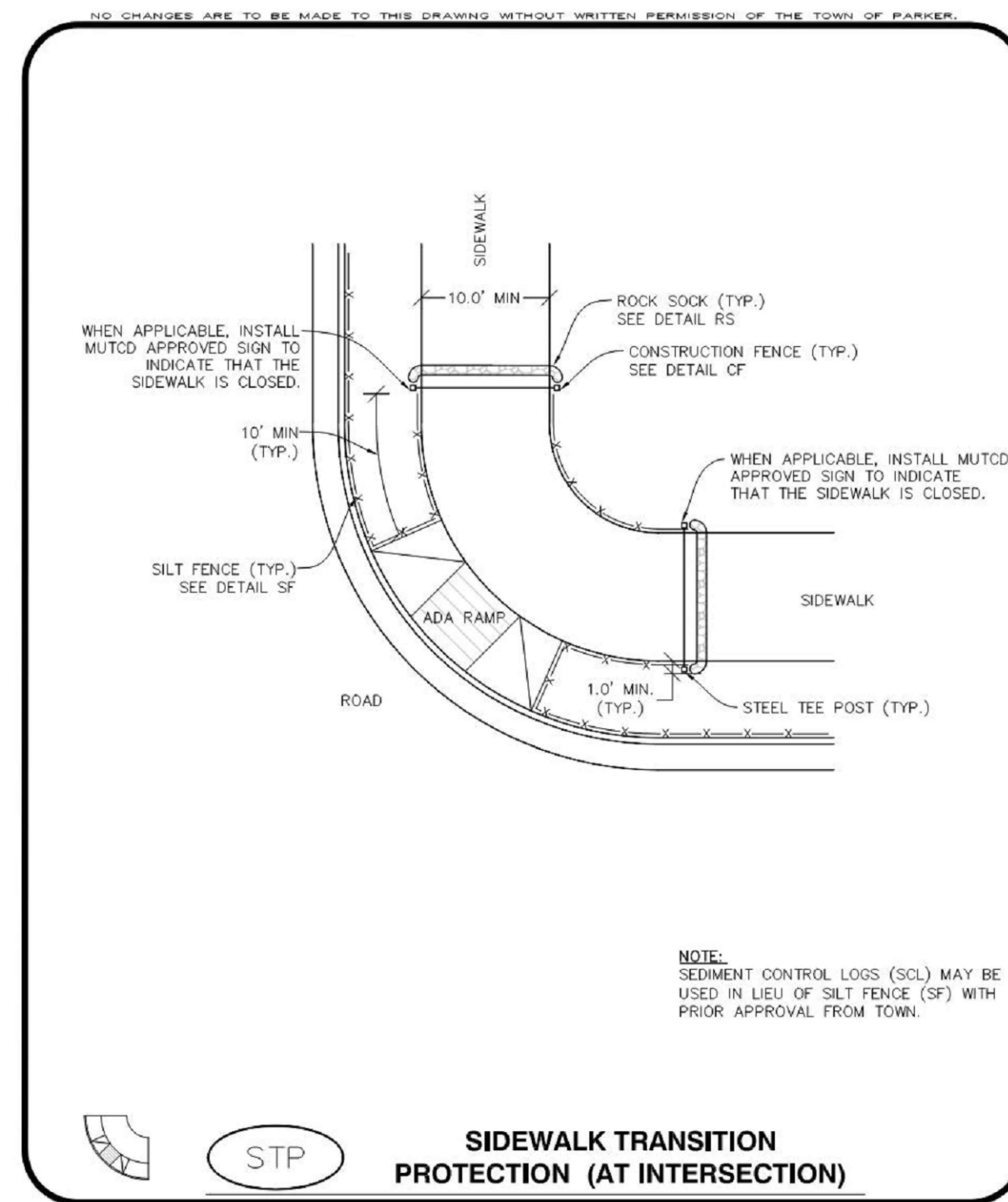
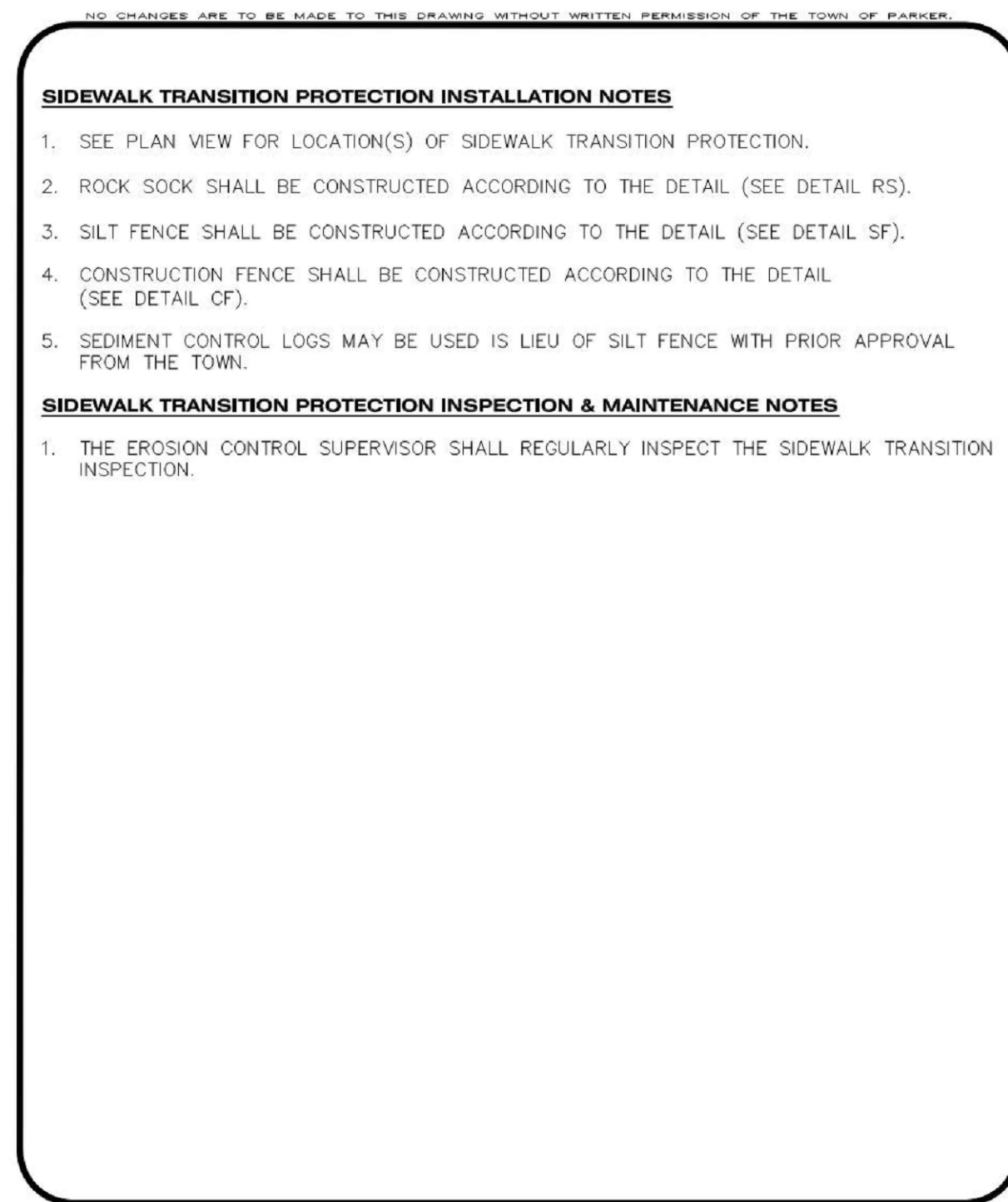
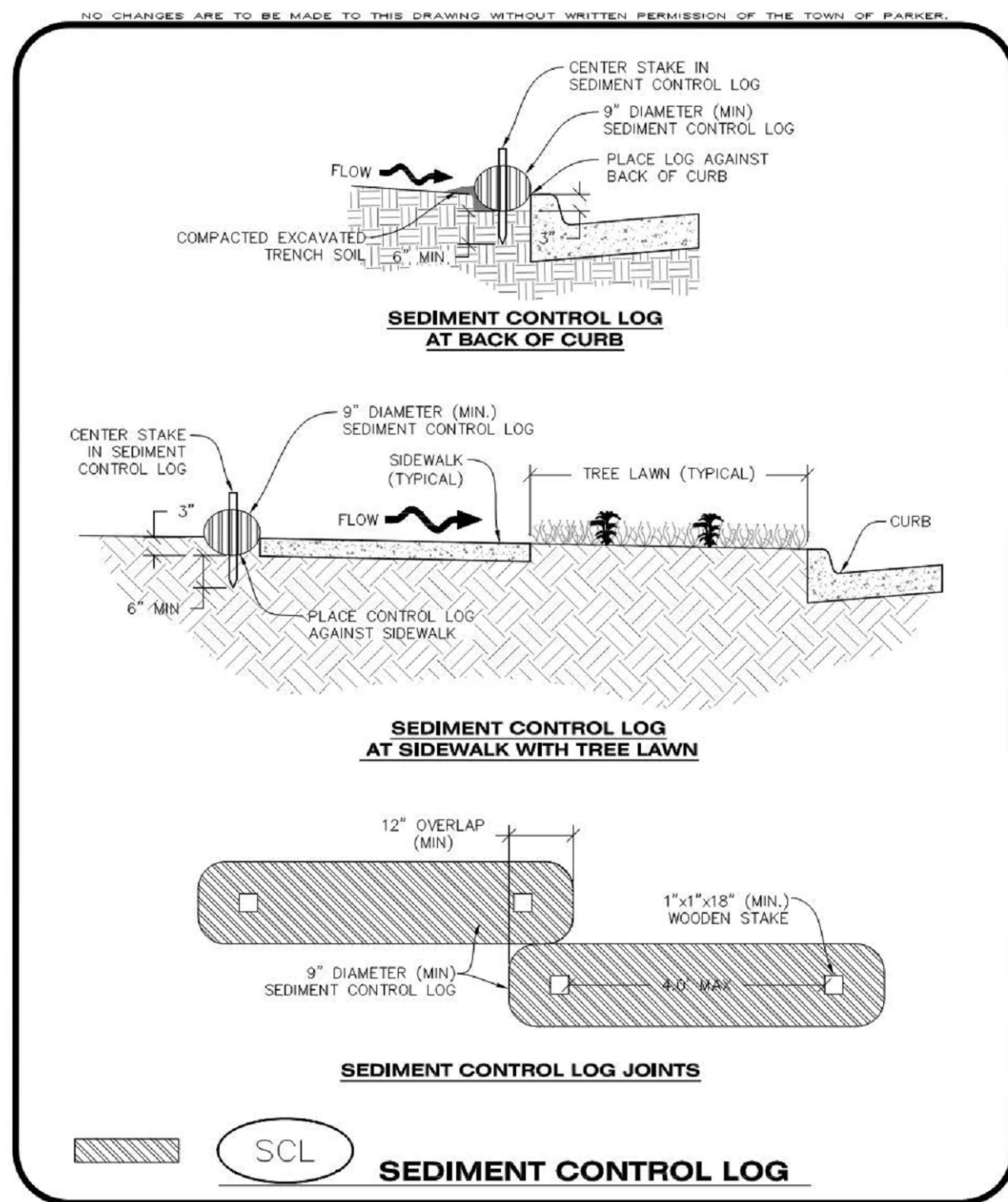
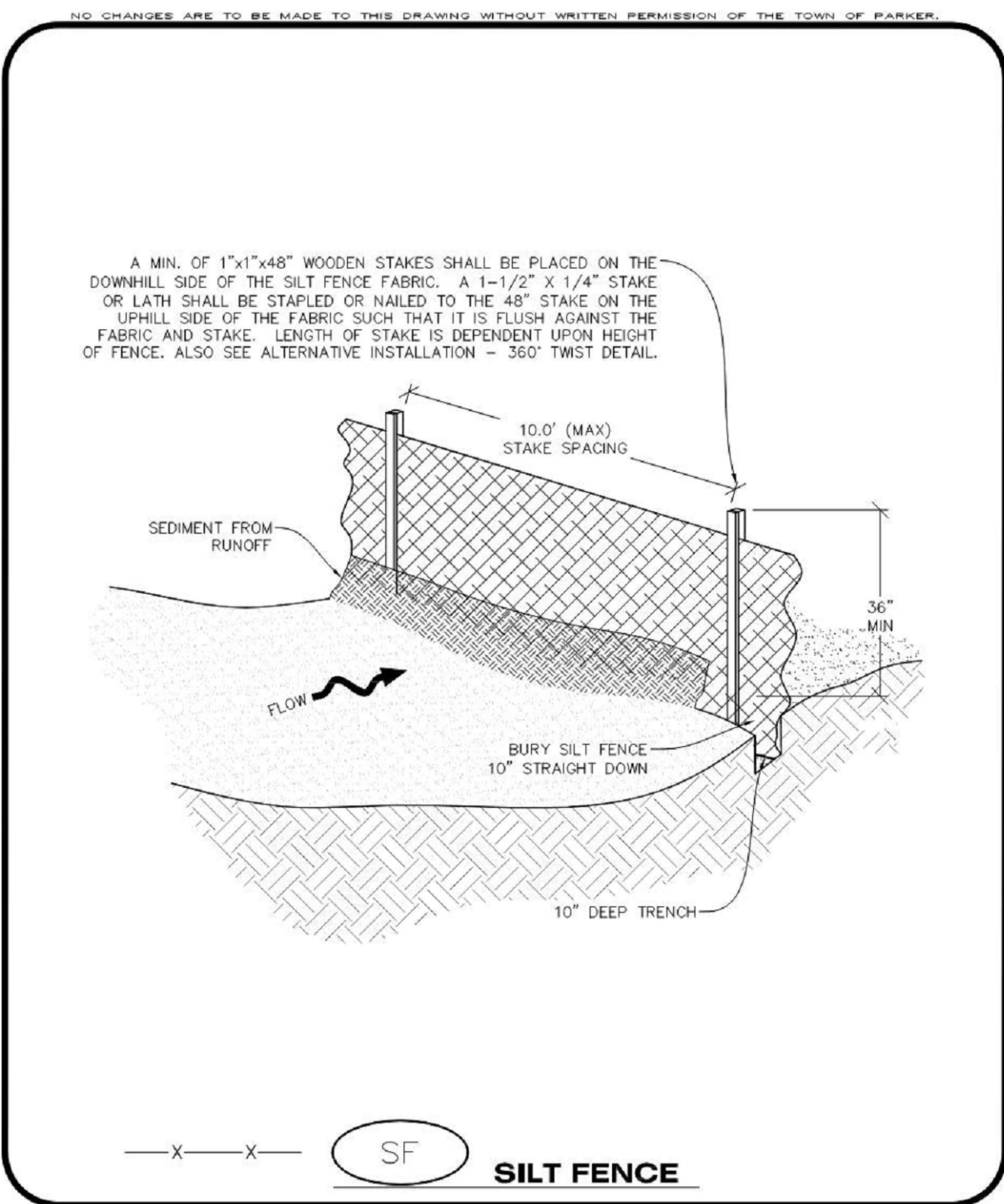
1. PORTABLE TOILETS SHALL BE PLACED A MINIMUM OF 10.0' BEHIND ALL CURBS, SIDEWALKS, AND OTHER IMPERVIOUS AREAS.
2. ALL PORTABLE TOILETS MUST BE GROUPED TOGETHER.
3. PORTABLE TOILETS SHALL BE SECURELY ANCHORED TO THE GROUND USING U-SHAPED REBAR STAKES.
4. U-SHAPED REBAR STAKES SHALL BE POSITIONED ON AT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

PORTABLE TOILET PROTECTION INSPECTION AND MAINTENANCE NOTES

2. THE EROSION CONTROL SUPERVISOR SHALL REGULARLY INSPECT THE PORTABLE TOILET PROTECTION.
3. PORTABLE TOILETS SHALL BE SERVICED AT THE NECESSARY INTERVALS TO ELIMINATE THE POSSIBILITY OF OVERFLOW.
4. 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).
5. 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 LANDSCAPE AND REDUCE THE CHANCE OF A SPILL.



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DATE	DESCRIPTION
11/03/2023	FIRST TOWN SUBMITTAL
02/05/2024	SECOND TOWN SUBMITTAL
04/04/2024	THIRD TOWN SUBMITTAL

NO.	1	2	3

PARKER TOWN HALL EXPANSION
20120 MAIN STREET
PARKER, CO 80138

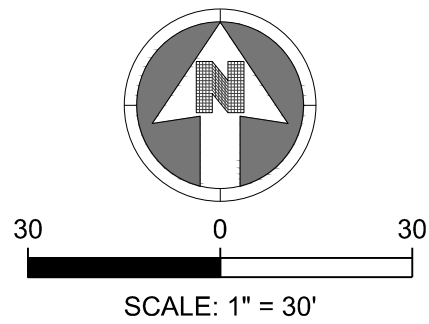
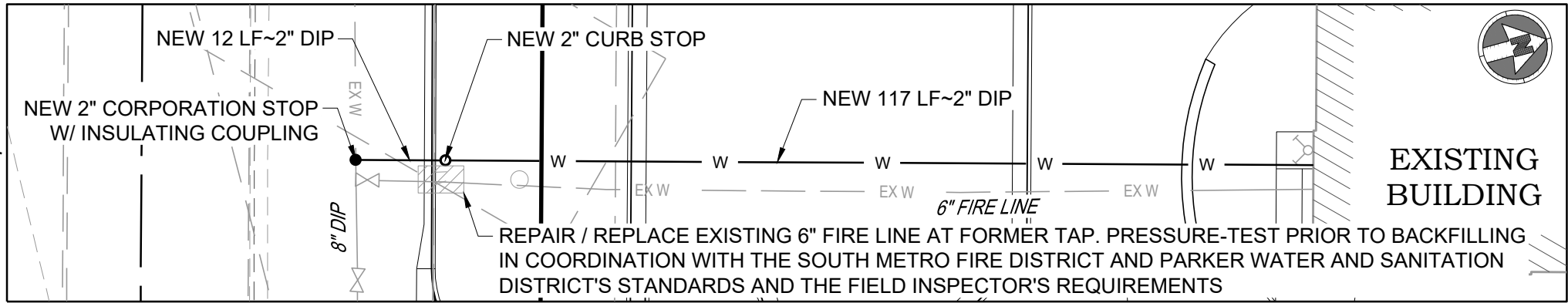
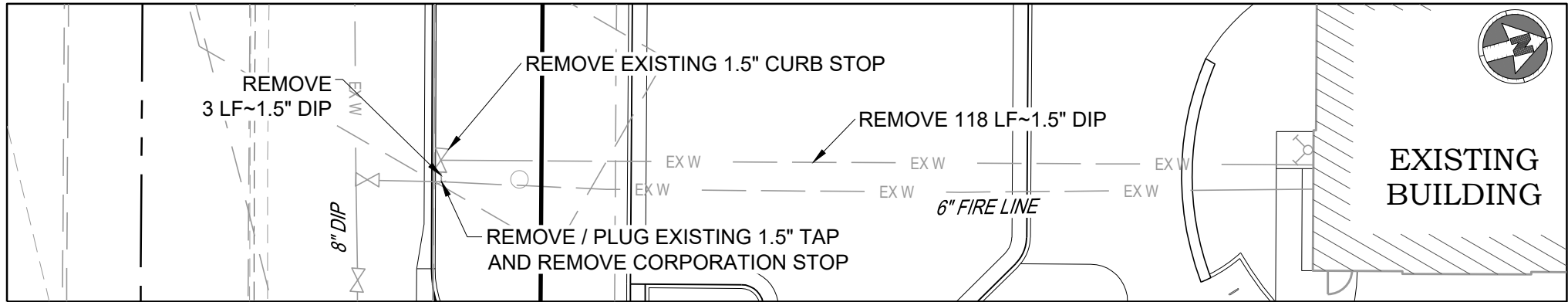
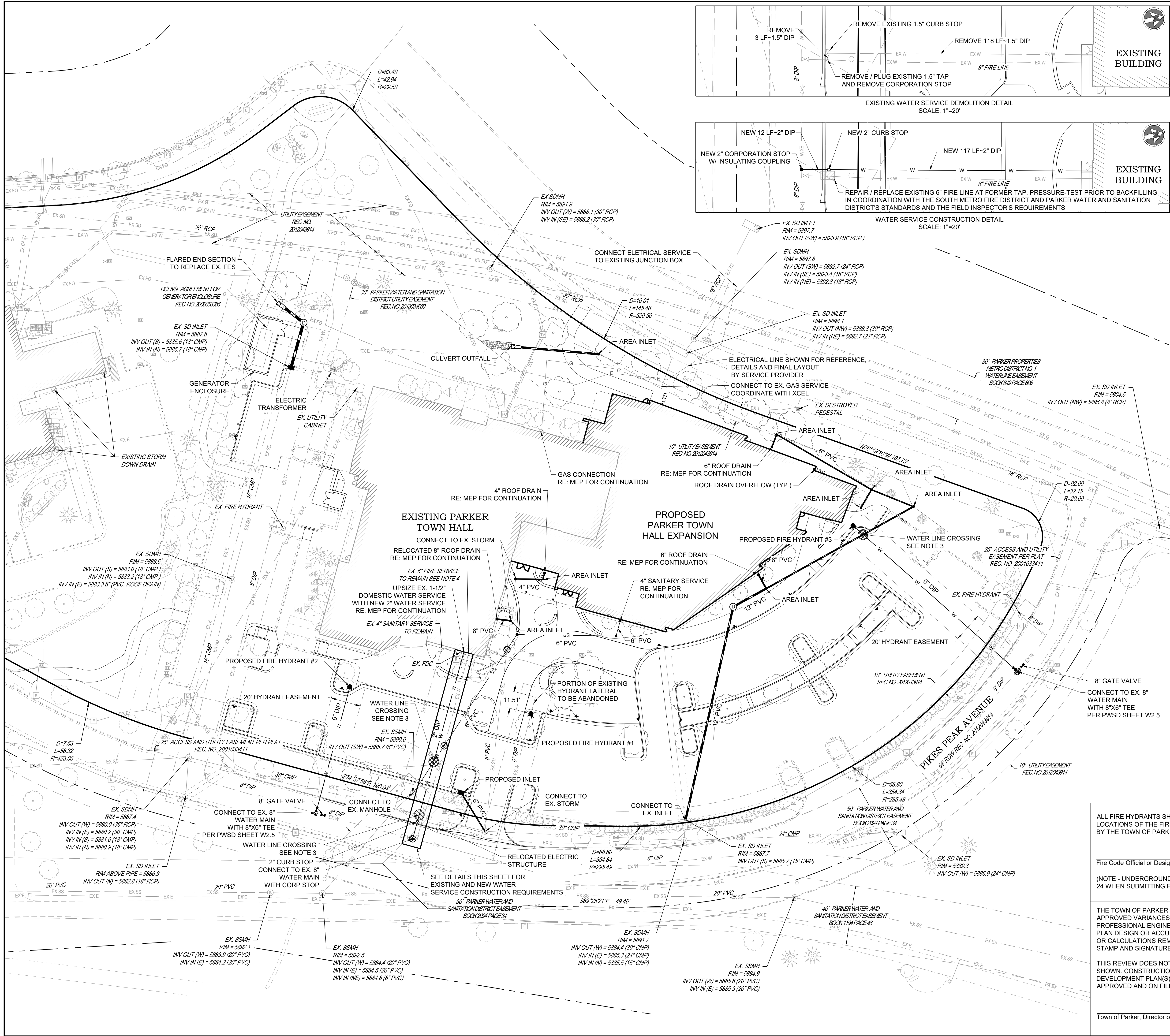
PROJECT: **EROSION CONTROL DETAILS**

DRAWING TITLE: **EROSION CONTROL DETAILS**

FILE PATH:

DESIGNED BY: RJH
DRAWN BY: DEI
CHECKED BY: MHV
MIRO JOB NO. 22139
DRAWING NUMBER: **C-258**

COLORADO REGISTERED PROFESSIONAL ENGINEER
47666
04/11/24



- NOTES:
1. SEE SHEET C-001 FOR CIVIL NOTES AND LEGEND
 2. DRY UTILITIES ARE SHOWN FOR REFERENCE ONLY. FINAL DESIGN TO BE COORDINATED WITH UTILITY PROVIDER
 3. CONTRACTOR TO ADJUST WATER LINE AS NECESSARY TO MAINTAIN A MINIMUM OF 4.5' OF COVER BELOW FINISH GRADE AND 18" BETWEEN OTHER UTILITIES.
 4. THE SPRINKLER RISER IS ALLOWED TO ENTER NO FURTHER THAN 24-INCHES INTO THE BUILDING (AND ANY LESS THAN 12-INCHES INTO THE BUILDING).
 5. TWO SEPARATE PERMITS WILL BE REQUIRED FOR THE PROJECT: ONE FOR THE BUILDING EXPANSION, AND ONE FOR THE REMODEL OF THE EXISTING BUILDING. PERMITS FOR THE FIRE SUPPRESSION, FIRE ALARM NOTIFICATION, AND ACCESS CONTROL WILL BE REQUIRED TO BE SUBMITTED FOR EACH PERMIT TYPE.

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 _____

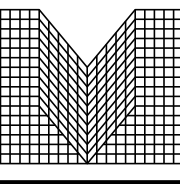
(NOTE - UNDERGROUND FIRE LINE (UFL) SUBMITTAL DOCUMENTS MUST MEET THE REQUIREMENTS OF NFPA 24 WHEN SUBMITTING FOR REVIEW.)

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 _____



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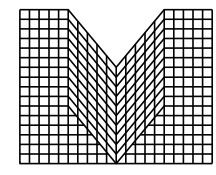


Know what's below.
Call before you dig.

DATE	DESCRIPTION	NO.	PROJECT	DRAWING TITLE:	FILE PATH:
11/03/2023	FIRST TOWN SUBMITTAL	1	PARKER TOWN HALL EXPANSION 20120 MAINSTREET PARKER, CO 80138	UTILITY PLAN	C:\Users\jgh\OneDrive\Documents\S. A. Miro, Inc.\Civil\Jobs\22139 Parker Town Hall\05 CAD\Plans and Details\C311-UTIL-PLAN.dwg C311 - 4/10/2024
02/05/2024	SECOND TOWN SUBMITTAL	2			
04/04/2024	THIRD TOWN SUBMITTAL	3			



DESIGNED BY: RJH
DRAWN BY: DEI
CHECKED BY: MHV
MIRO JOB NO. 22139
DRAWING NUMBER:
C-311

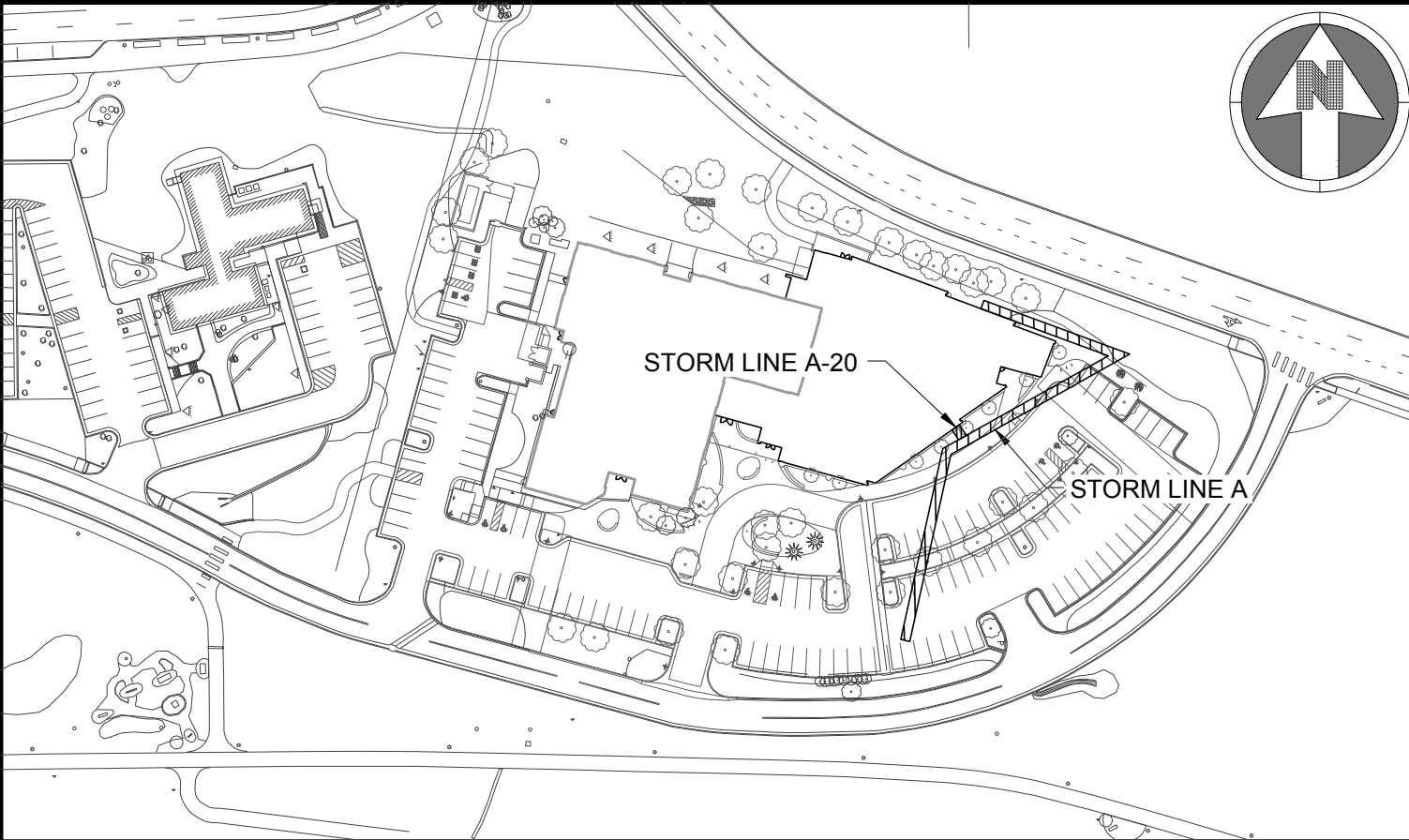


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KEYMAP
NTS

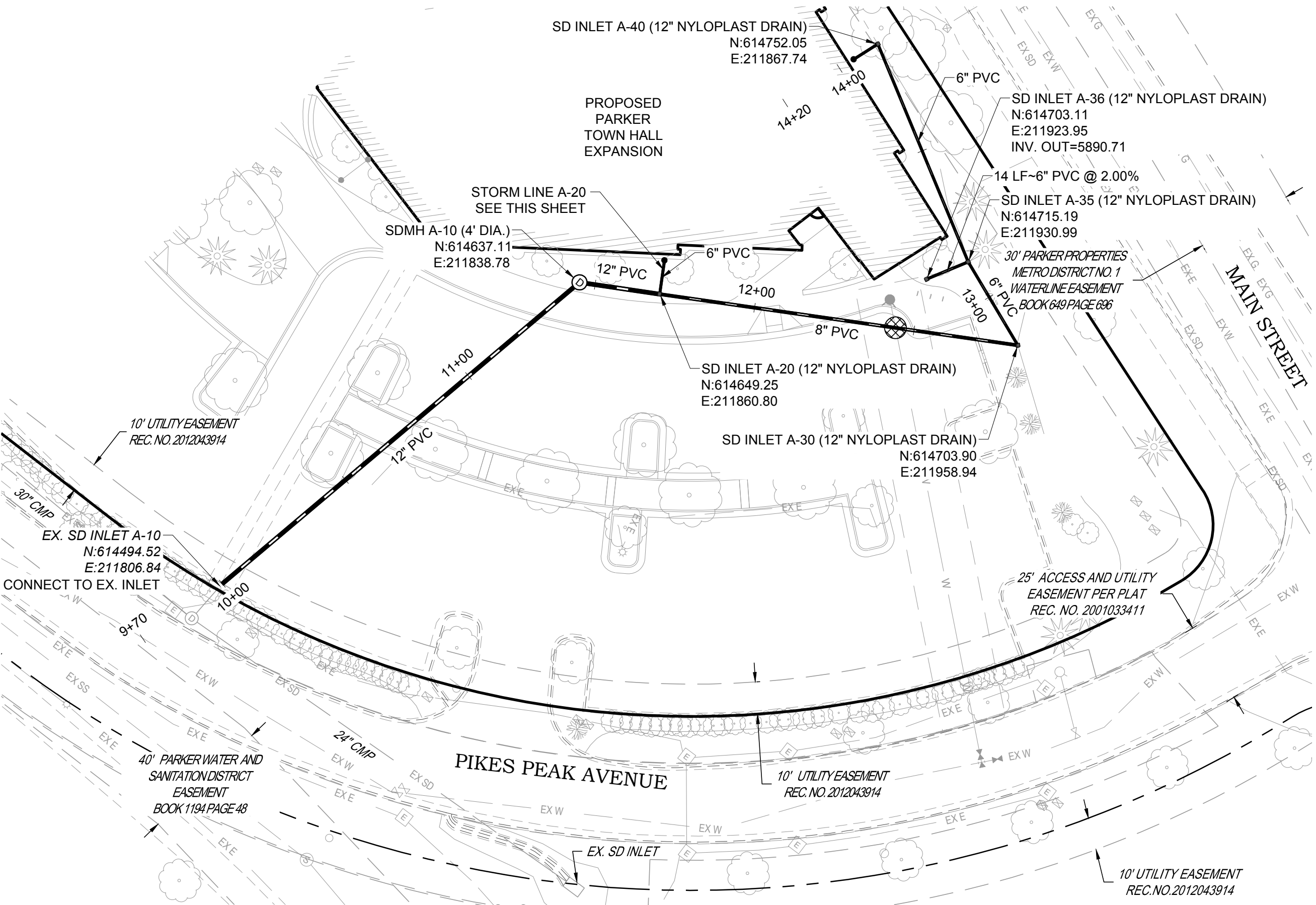
30 0 30
SCALE: 1" = 30'

NOTES:

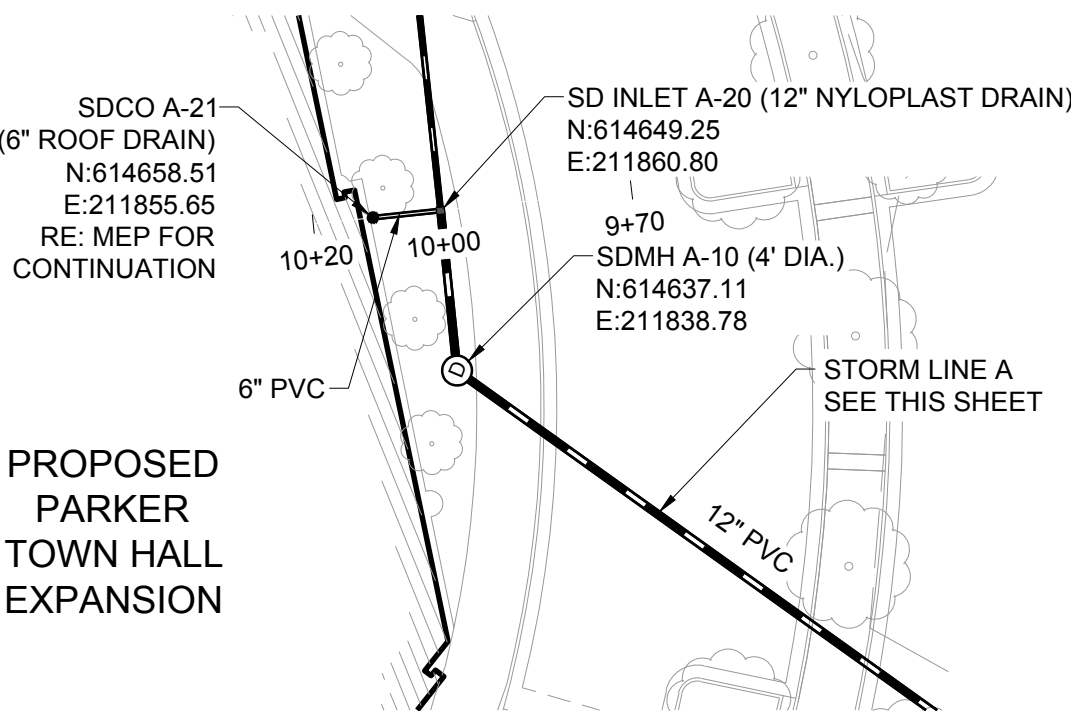
- SEE SHEET C-001 FOR CIVIL NOTES AND LEGEND.
- ALL EXISTING DRY UTILITIES ARE ASSUMED TO BE 3' DEEP TO TOP OF PIPE.
- ALL EXISTING WATER LINES ARE ASSUMED TO BE 4.5' DEEP TO TOP OF PIPE, UNLESS OTHERWISE NOTED.
- CONTRACTOR TO ADJUST WATER LINE AS NECESSARY TO MAINTAIN A MINIMUM OF 4.5' OF COVER BELOW FINISH GRADE AND 18" BETWEEN OTHER UTILITIES.
- THE CONTRACTOR SHALL POT-HOLE ALL EXISTING UTILITY CROSSINGS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY POTENTIAL CONFLICTS IMMEDIATELY.
- MATCH EXISTING FES (FLARED END SECTION) INVERT. EXISTING GROUND AND FES PIPE INVERT DIFFER. FIELD VERIFY INVERT AND NOTIFY THE ENGINEER OF ANY POTENTIAL CONFLICTS IMMEDIATELY. ENSURE FES REMAINS AS LOW POINT FOR EXISTING DRAINAGE SWALES.

LEGEND:

UTILITY CROSSING

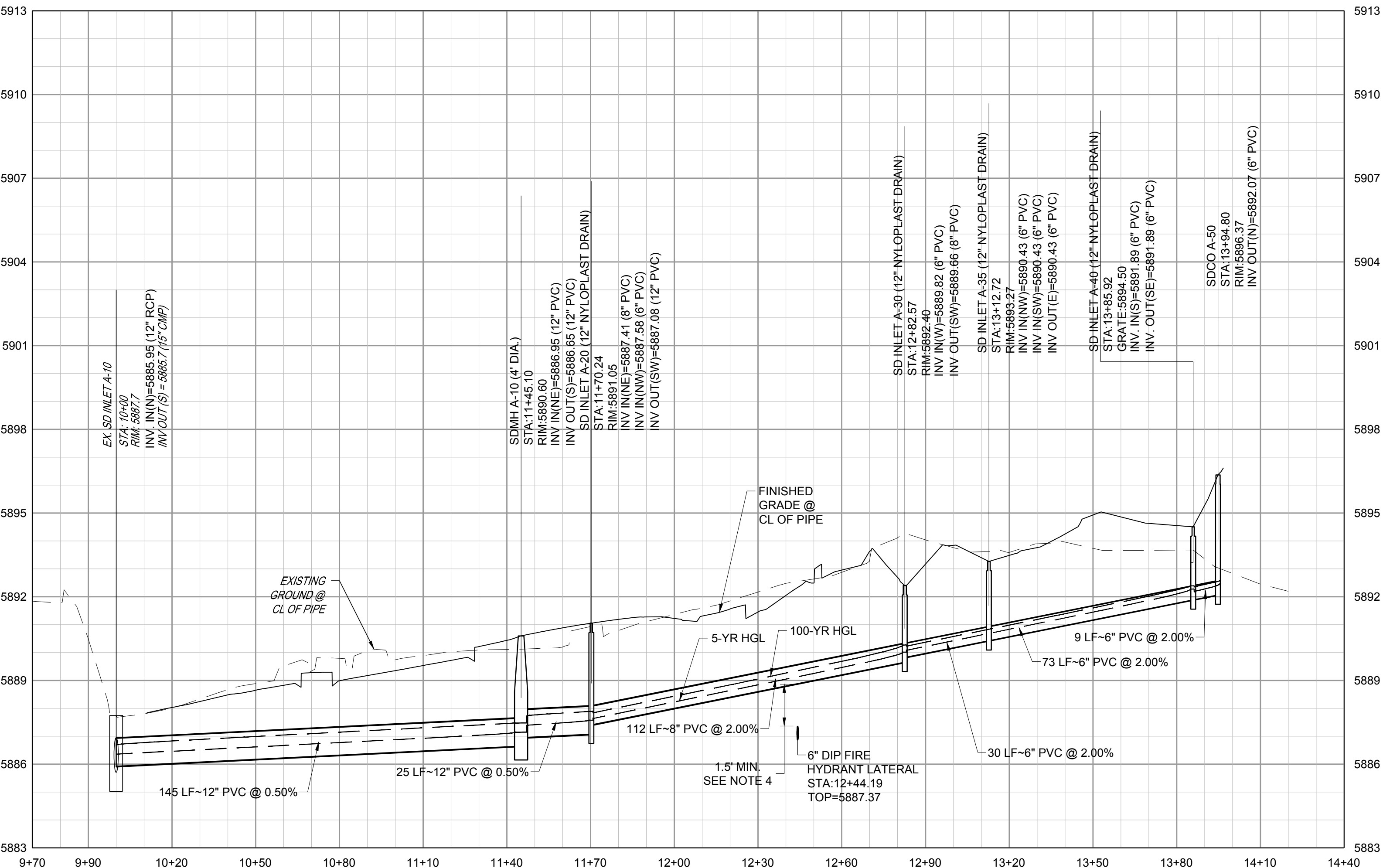


STORM LINE A PLAN



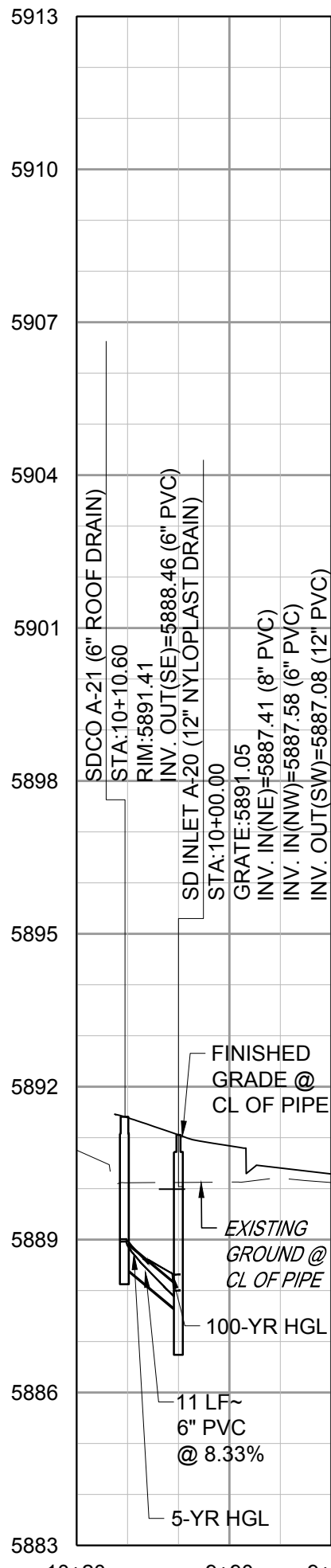
STORM LINE A-20 PLAN

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



STORM LINE A PROFILE

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



STORM LINE A-20 PROFILE

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

PARKER TOWN HALL EXPANSION
20120 MAIN STREET
PARKER, CO 80138

STORM PLAN AND PROFILES

PROJECT:

DRAWING TITLE:



DESIGNED BY: RJH
DRAWN BY: DEI
CHECKED BY: MHV
MIRO JOB NO. 22139
DRAWING NUMBER:

C-331

FILE PATH: C:\Users\jph\Documents\S.A. Miro, Inc.\Civil\Jobs\22139 Parker Town Hall\05 CAD\Plans and Details\C331-STRM-PROF.dwg C331 - 4/10/2024



1. SEE SHEET C-001 FOR CIVIL NOTES AND LEGEND.
2. ALL EXISTING DRY UTILITIES ARE ASSUMED TO BE 3' DEEP TO TOP OF PIPE.
3. ALL EXISTING WATER LINES ARE ASSUMED TO BE 4.5' DEEP TO TOP OF PIPE, UNLESS OTHERWISE NOTED.
4. THE CONTRACTOR TO ADJUST WATER LINE AS NECESSARY TO MAINTAIN A MINIMUM OF 4.5' OF COVER BELOW FINISH GRADE AND 18" BETWEEN OTHER UTILITIES.
5. THE CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITY CROSSINGS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY POTENTIAL CONFLICTS IMMEDIATELY.
6. MATCH EXISTING FGS (FLARED END SECTION) INVERT. EXISTING GRADING AND FGS TO BE DIFFER. FIELD VERTICALLY INVERT AND NOTIFY THE ENGINEER OF ANY POTENTIAL CONFLICTS IMMEDIATELY. ENSURE FGS REMAINS AS LOW POINT FOR EXISTING DRAINAGE SWALES.

LEGEND:



UTILITY CROSSING



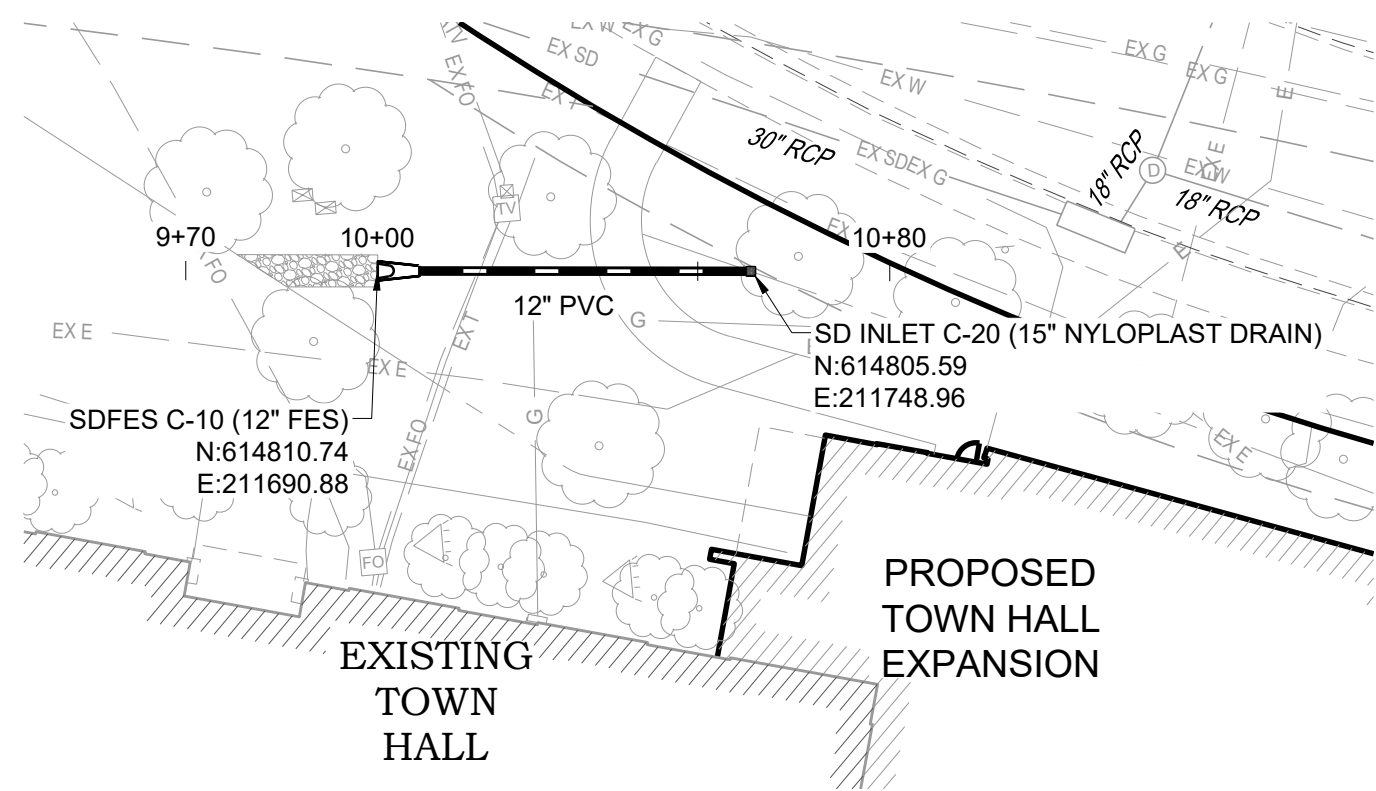
THE TOWN OF PARKER REVIEW CONSTITUTES GENERAL COMPLIANCE WITH TOWN'S STANDARDS AND APPROVED VARIANCES, SUBJECT TO THESE PLANS BEING STAMPED, SIGNED, AND DATED BY THE PROFESSIONAL ENGINEER OF RECORD. REVIEW BY THE TOWN DOES NOT CONSTITUTE APPROVAL OF THE PLAN DESIGN OR ACCURACY AND CORRECTNESS OF ENGINEERING 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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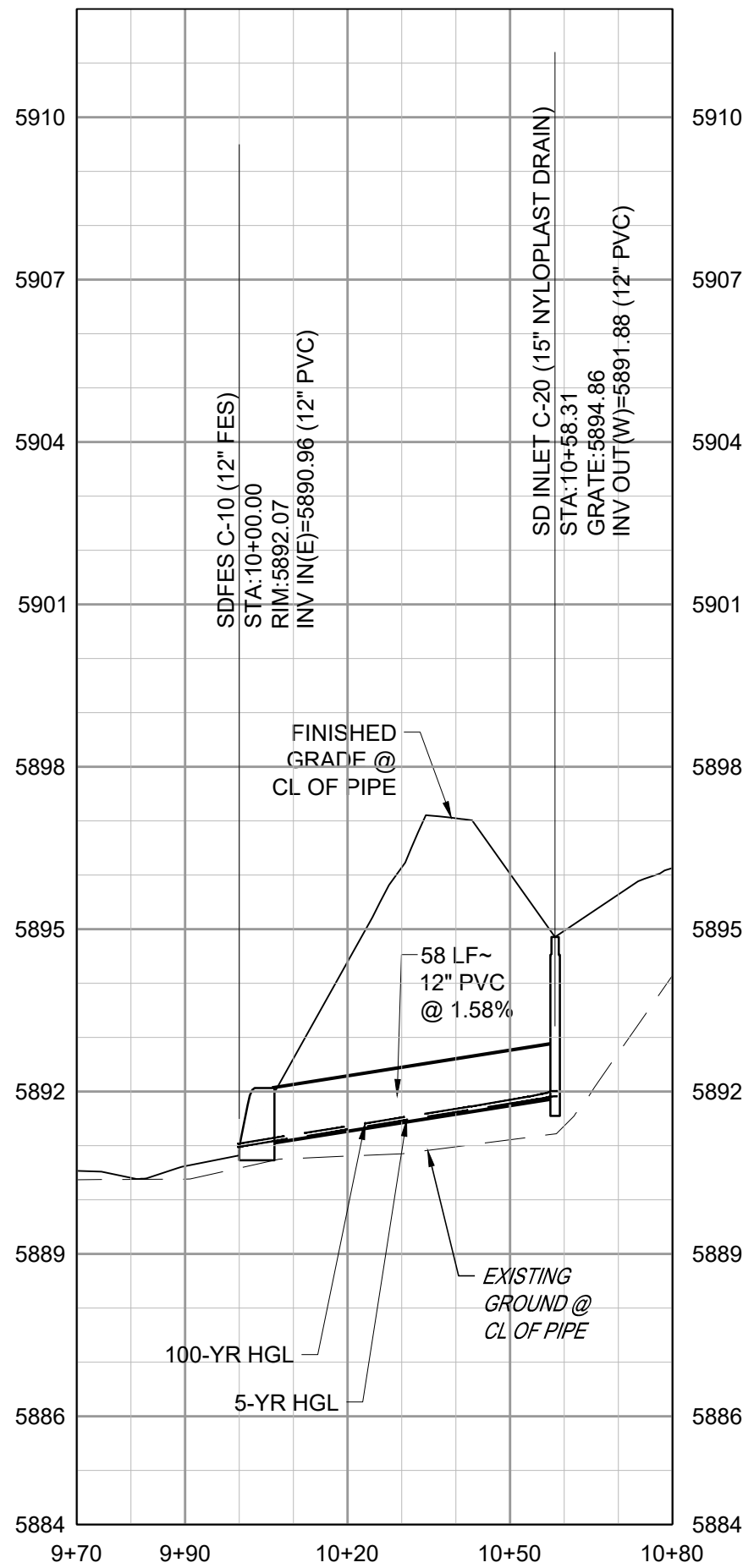
Town of Parker, Director of Engineering/Public Works

Date _____

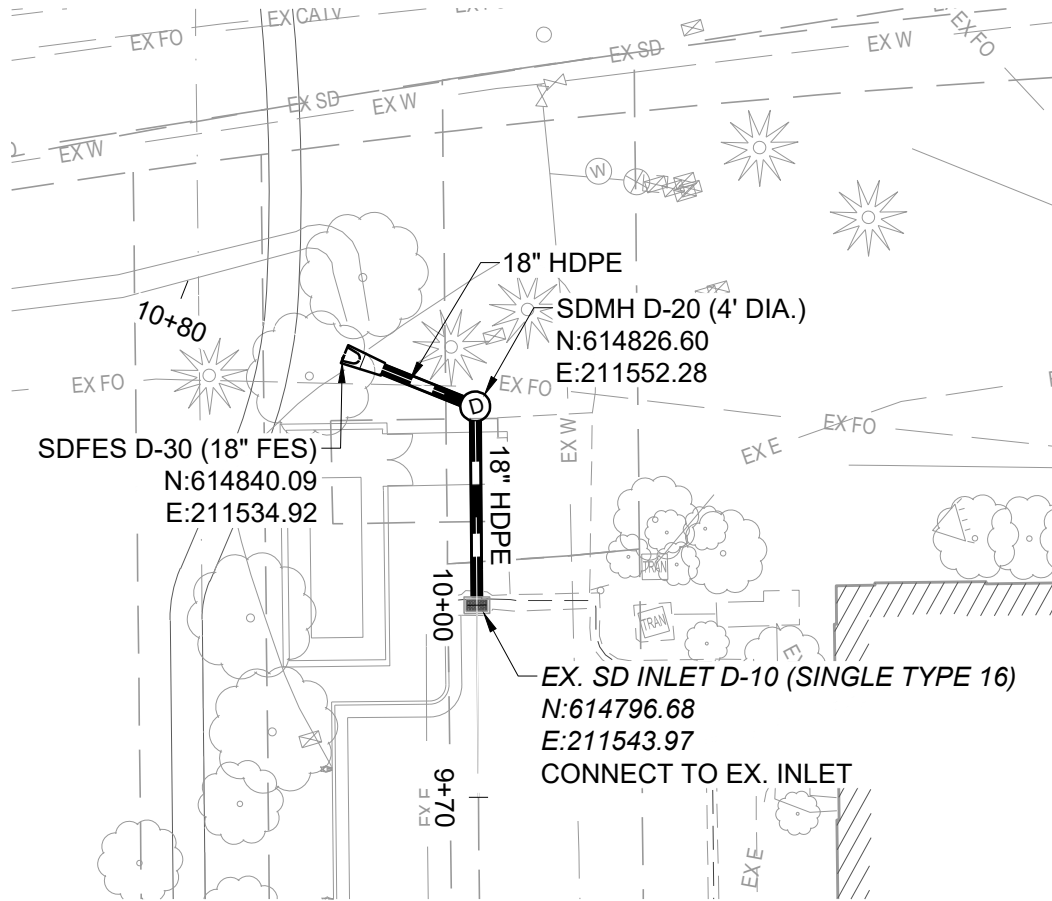
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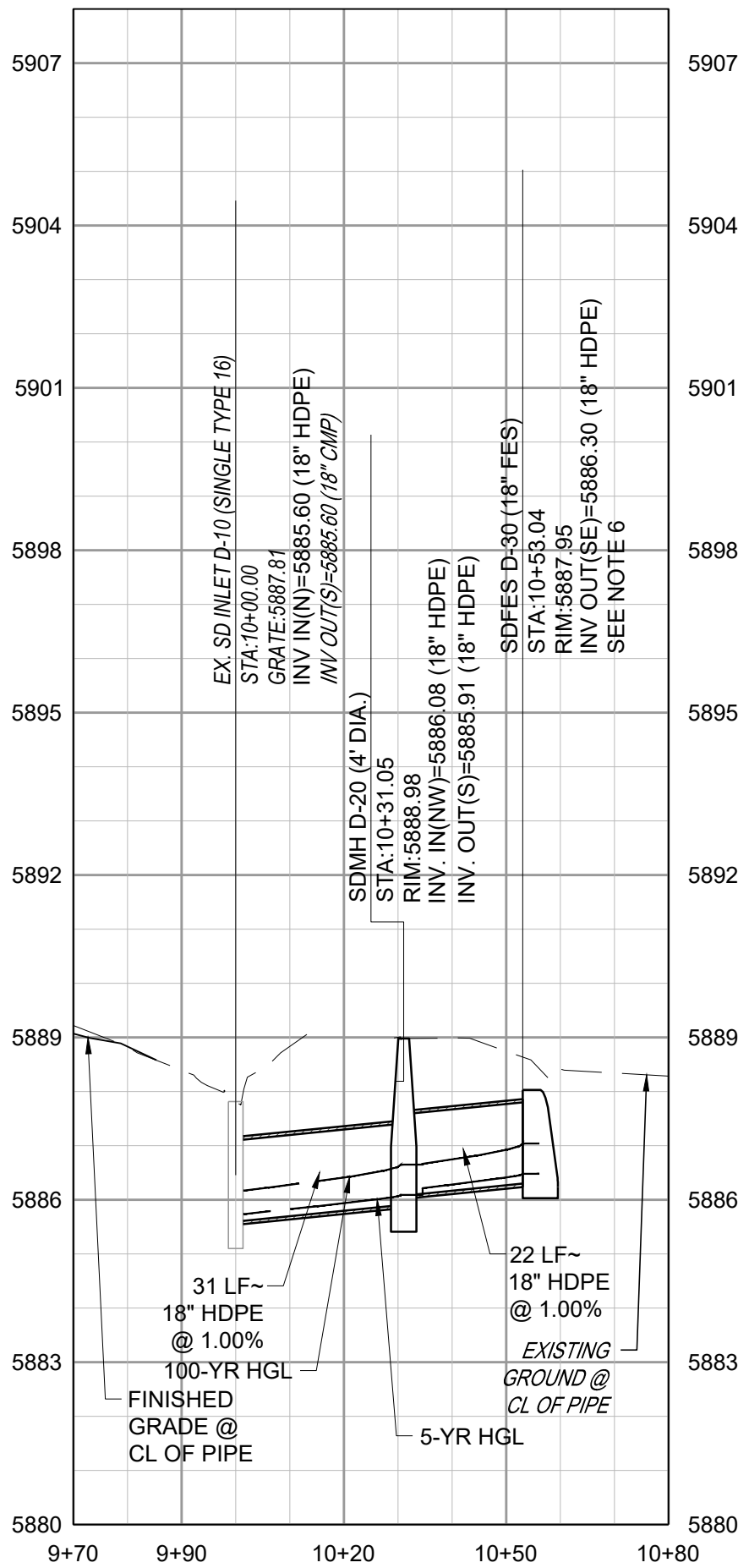
STORM LINE C PLAN



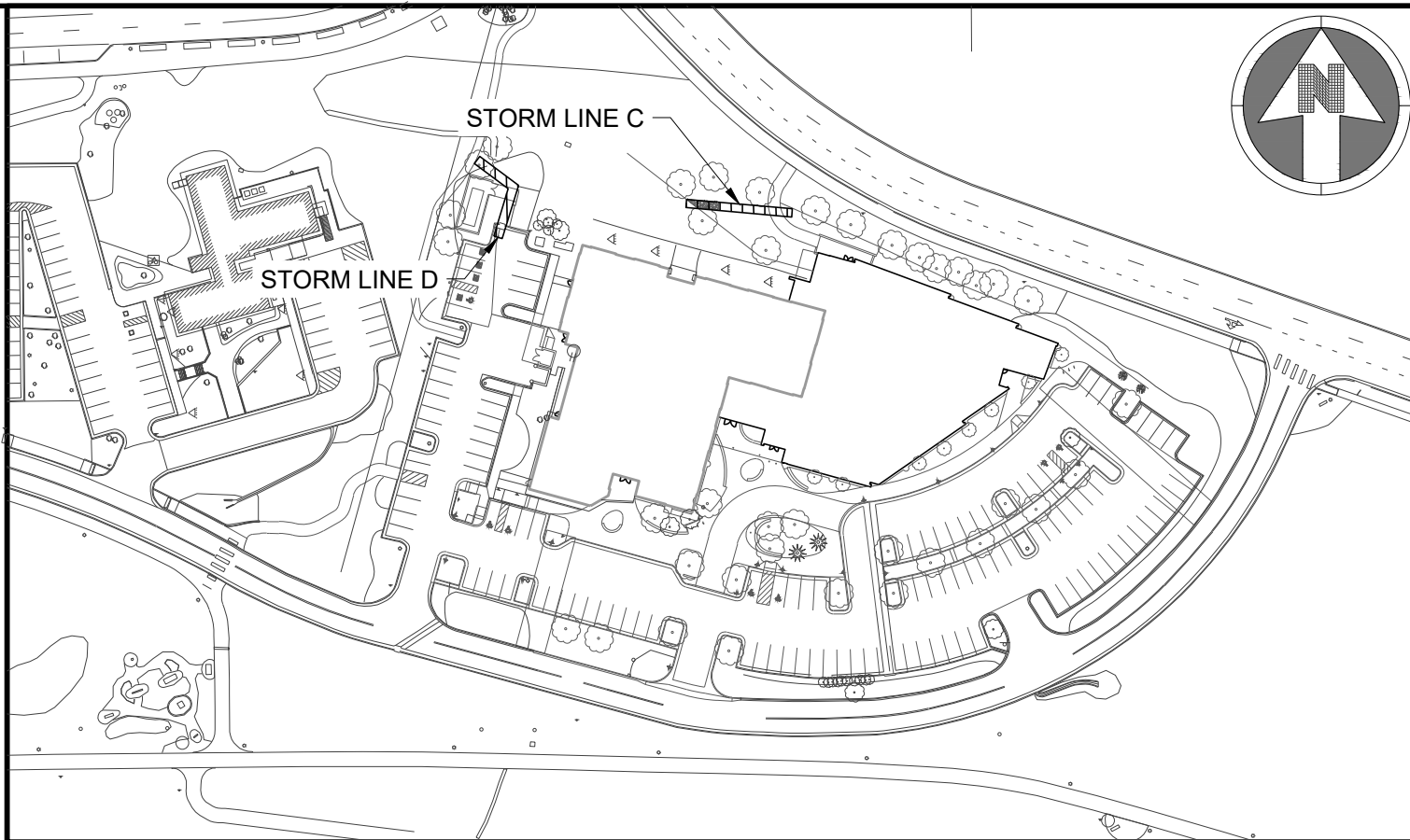
STORM LINE C PROFILE



STORM LINE D PLAN



STORM LINE D PROFILE



- NOTES:
- SEE SHEET C-001 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, UNLESS OTHERWISE NOTED.
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- LEGEND:
- UTILITY CROSSING

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Town of Parker, Director of Engineering/Public Works Date

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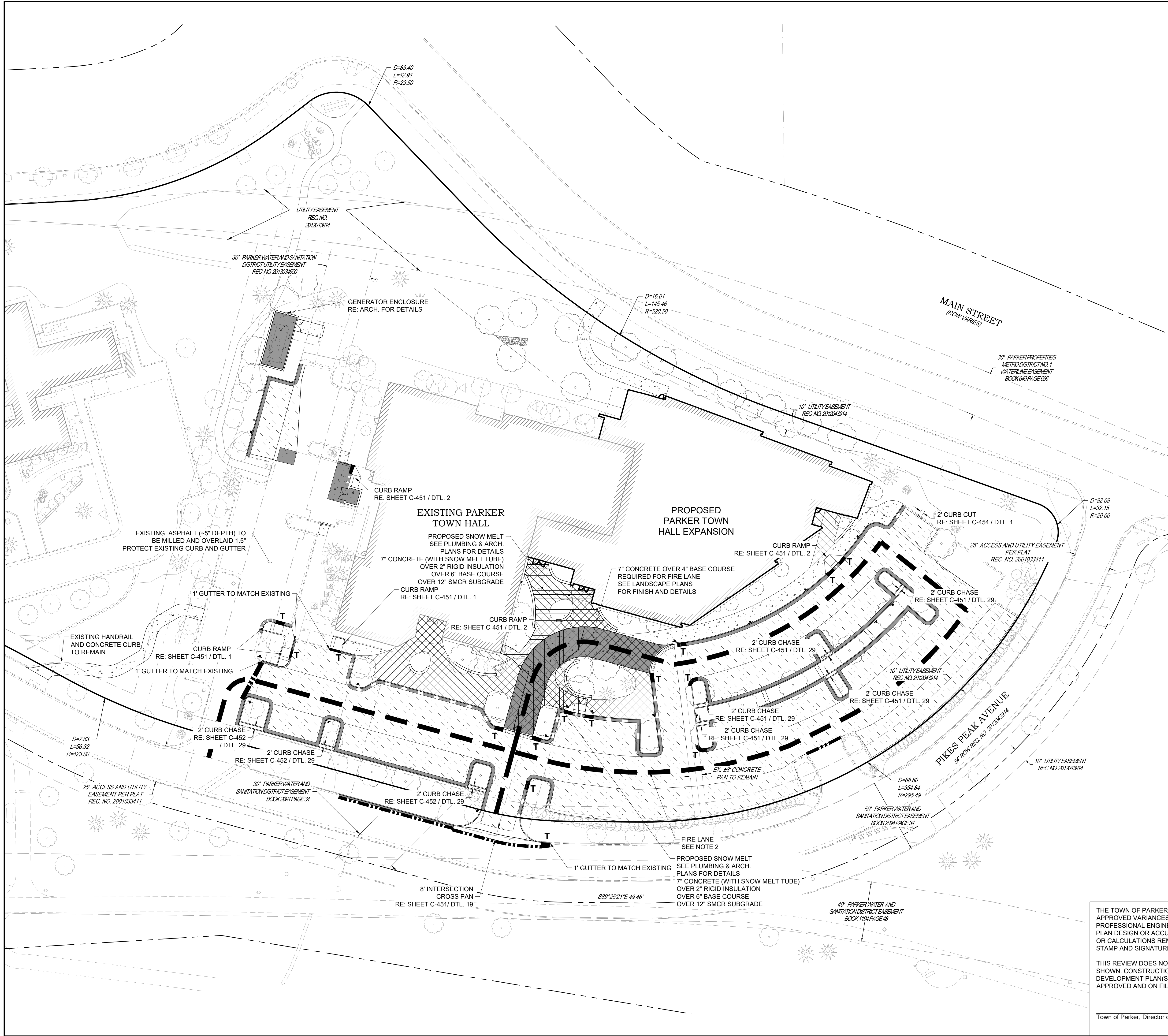
NO.	DESCRIPTION	DATE
1	FIRST TOWN SUBMITTAL	11/03/2023
2	SECOND TOWN SUBMITTAL	02/05/2024
3	THIRD TOWN SUBMITTAL	04/04/2024

PROJECT: PARKER TOWN HALL EXPANSION
20120 MAINSTREET
PARKER, CO 80138

DRAWING TITLE: STORM PLAN AND PROFILES

FILE PATH: C:\Users\jgh\Documents\S. A. Miro, Inc.\Civil\Jobs\22139 Parker Town Hall\05 CAD\Plans and Details\C331-STRM-PROF.dwg C333 - 4/10/2024

DESIGNED BY:	RJH
DRAWN BY:	DEI
CHECKED BY:	MHV
MIRO JOB NO.	22139
DRAWING NUMBER:	C-333



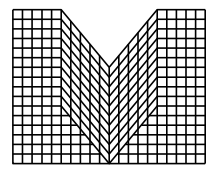
- NOTES:
- SEE SHEET C-001 FOR CIVIL NOTES AND LEGEND.
 - A SITE INSPECTION BY A REPRESENTATIVE OF THE SOUTH METRO FIRE DEPARTMENT IS REQUIRED PRIOR TO DEMOLITION AND CONSTRUCTION. NO VERTICAL CONSTRUCTION ON THIS SITE WILL BE ALLOWED UNTIL SUCH TIME THAT CURB, GUTTER, AND FIRST LIFT OF ASPHALT ARE INSTALLED FOR THE FULL LENGTH OF THE FIRE LANE.
 - SMCR = SCARIFY, MOISTURE CONTENT, AND RECOMPACT PER SPECIFICATIONS, SEE SECTION 31 20 00 FOR DETAILS.

- LEGEND:
- PROPOSED 6" CATCH CURB AND GUTTER OVER 8" BASE COURSE, OVER 12" SMCR SUBGRADE RE: SHEET C-451 / DTL. 3
 - PROPOSED 6" SPILL CURB AND GUTTER OVER 8" BASE COURSE, OVER 12" SMCR SUBGRADE RE: SHEET C-451 / DTL. 3
 - PROPOSED FLUSH CURB AND GUTTER OVER 8" BASE COURSE, OVER 12" SMCR SUBGRADE RE: SHEET C-453 / DTL. 2
 - PROPOSED MOUNTABLE CURB AND GUTTER OVER 8" BASE COURSE, OVER 12" SMCR SUBGRADE RE: SHEET C-451 / DTL. 3
 - PROPOSED PATCHBACK RE: SHEET C-453 / DTL. 3
 - PROPOSED CURB TRANSITION OVER 8" BASE COURSE, OVER 12" SMCR SUBGRADE RE: SHEET C-454 / DTL. 3 & 4
 - PROPOSED 6" COMPOSITE ASPHALT OVER 8" BASE COURSE, OVER 12" SMCR SUBGRADE RE: SHEET C-453 / DTL. 1-A
 - PROPOSED 6" CONCRETE PAVEMENT 6" BASE COURSE, OVER 12" SMCR SUBGRADE RE: SHEET C-453 / DTL. 1-B
 - PROPOSED 7" CONCRETE PAVEMENT OVER 8" BASE COURSE, OVER 12" SMCR SUBGRADE RE: SHEET C-453 / DTL. 1-B
 - REFER TO LANDSCAPE PLANS
 - SNOW MELT SYSTEM RE: ARCH & PLUMBING
 - ADD ALTERNATE SNOW MELT SYSTEM RE: ARCH & PLUMBING

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Town of Parker, Director of Engineering/Public Works Date



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DATE	DESCRIPTION	NO.
11/03/2023	FIRST TOWN SUBMITTAL	1
02/05/2024	SECOND TOWN SUBMITTAL	2
04/04/2024	THIRD TOWN SUBMITTAL	3

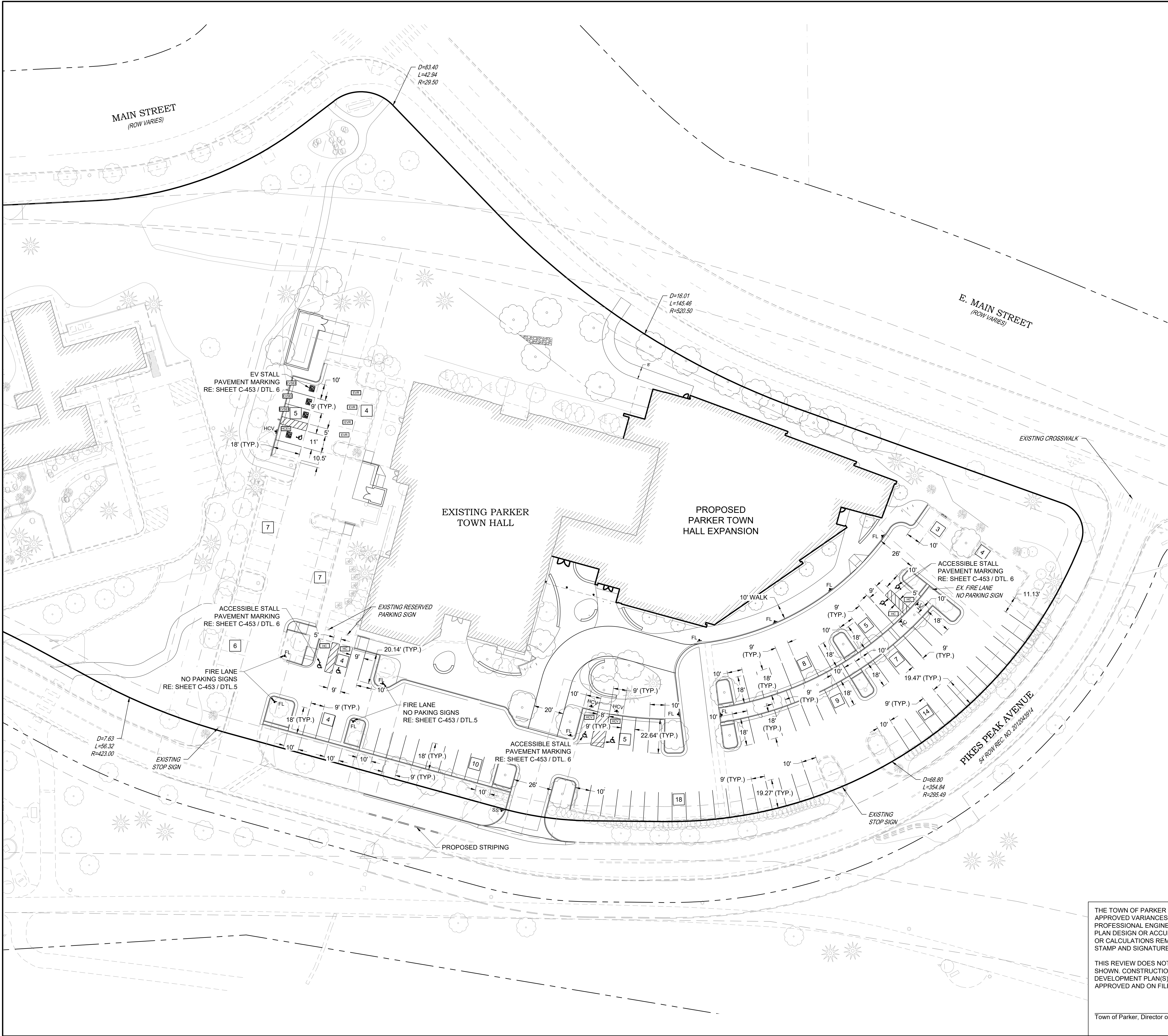
PROJECT: PARKER TOWN HALL EXPANSION
20120 MAINSTREET
PARKER, CO 80138

DRAWING TITLE: PAVING PLAN

FILE PATH: C:\Users\jph\Documents\S.A. Miro, Inc.\Civil\Jobs\22139 Parker Town Hall\05 CAD\Plans and Details\C411-PAVE-PLAN.dwg C411 - 4/10/2024



DESIGNED BY: RJH
DRAWN BY: DEI
CHECKED BY: MHV
MIRO JOB NO. 22139
DRAWING NUMBER: C-411



- NOTES:
- SEE SHEET C-001 FOR CIVIL NOTES AND LEGEND.
 - PARKING STALLS ADJACENT TO LANDSCAPE ISLANDS SHALL BE A MINIMUM OF 10' IN WIDTH.
 - PARKING STALLS WITHOUT AN ASSOCIATED PARKING CLASSIFICATION ARE STANDARD PARKING STALLS.

- LEGEND:
- HC PROPOSED "HANDICAP PARKING" SIGN
RE: SHEET C-453 / DTL. 5
 - HCV PROPOSED "VAN ACCESSIBLE HANDICAP PARKING" SIGN
RE: SHEET C-453 / DTL. 5
 - SS PROPOSED "STOP" SIGN
RE: SHEET C-453 / DTL. 5
 - FL PROPOSED "FIRE LANE - NO PARKING" SIGN
RE: SHEET C-453 / DTL. 5
 - 9 PARKING STALL COUNT
9'X18' MINIMUM DIMENSIONS
UNLESS OTHERWISE NOTED
 - C COMPACT
PARKING CLASSIFICATION
 - HC STANDARD ACCESSIBLE
PARKING CLASSIFICATION
 - HCV ACCESSIBLE VAN
PARKING CLASSIFICATION
 - HCEV ACCESSIBLE ELECTRIC VEHICLE
PARKING CLASSIFICATION
 - UNIV UNIVERSAL VEHICLE
PARKING CLASSIFICATION
 - EVSEI ELECTRIC VEHICLE SUPPLY EQUIPMENT INSTALLED
PARKING CLASSIFICATION
 - EVR ELECTRIC VEHICLE READY
PARKING CLASSIFICATION
 - EVC ELECTRIC VEHICLE CAPABLE
PARKING CLASSIFICATION

PARKING COUNT TABLE			
PARKING TYPE	# OF PROPOSED SPACES	# OF EXISTING SPACES TO REMAIN	TOTAL
STANDARD	75	31	106
COMPACT	0	0	0
STANDARD ACCESSIBLE	4	0	4
ACCESSIBLE VAN	2	0	2
ACCESSIBLE EV	1	0	1
UNIVERSAL	0	0	0
EVSE INSTALLED	3	0	3
EV READY	4	0	4
EV CAPABLE	0	0	0
TOTAL	89	31	120

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Town of Parker, Director of Engineering/Public Works Date



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CONSULTING ENGINEERS

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

DATE	11/03/2023				
DESCRIPTION	FIRST TOWN SUBMITTAL	SECOND TOWN SUBMITTAL	THIRD TOWN SUBMITTAL		
NO.	1	2	3		

PROJECT: PARKER TOWN HALL EXPANSION
20120 MAINSTREET
PARKER, CO 80138

DRAWING TITLE: SIGNAGE AND STRIPING PLAN

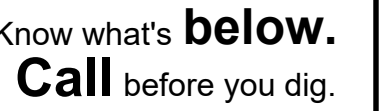
FILE PATH: C:\Users\jph\OneDrive\Documents\S.A. Miro, Inc.\Civil\Jobs\22139 Parker Town Hall\05 CAD\Plans and Details\C421-STRP-PLAN.dwg C421 - 4/10/2024



DESIGNED BY: RJH
DRAWN BY: DEI
CHECKED BY: MHV
MIRO JOB NO. 22139
DRAWING NUMBER: C-421



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No.	Description	Date
1	FIRST TOWN SUBMITTAL	11/03/2023
2	SECOND TOWN SUBMITTAL	02/09/2024
3	THIRD TOWN SUBMITTAL	04/04/2024
FE-DTLS.dwg C461 - 4/10/2024		

SITE DETAILS

References:



DESIGNED BY:	RJH
DRAWN BY:	DEI
CHECKED BY:	MHV
PIRO JOB NO.	22139

DRAWING NUMBER:

C-451

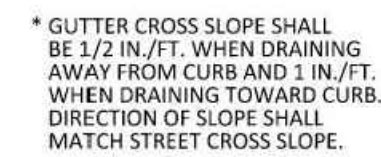


NO CHANGES ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN PERMISSION OF THE TOWN OF PARKER.



DATE
NOVEMBER
2020

DETAIL
4



MEDIAN CURB AND GUTTER SECTION
(CDOT CURB AND GUTTER TYPE 2 (SECTION I-B))



(CDOT CURB AND GUTTER TYPE 2 (SECTION II-B))
 *MATCH EXISTING ADJACENT GUTTER WIDTHS
 SEE PAVING PLAN FOR KNOWN 12" GUTTER SECTIONS



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



DATE
NOVEMB
2020

DETAIL
3
1 OF 1



1. CONTRACTION JOINTS ON CONCRETE TRAILS SHALL BE SAWCUT.
2. TRANSVERSE SIDEWALK JOINTS SHALL MATCH CURB AND GUTTER JOINTS.

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



DATE NOVEMB 2020

DETAIL
4
2 OF 2



NO SCALE



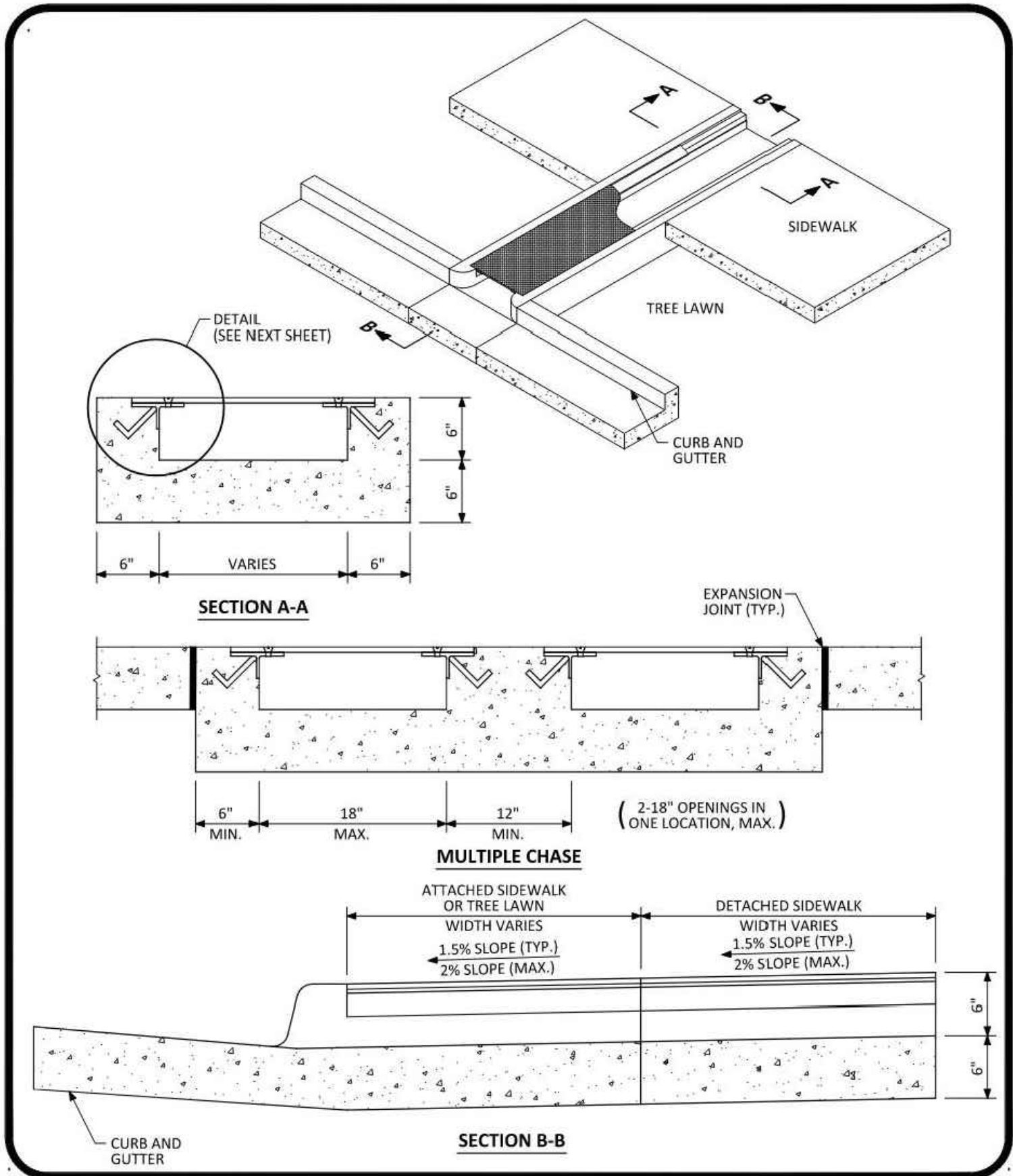
NO SCALE



DESIGNED BY:	RJH
DRAWN BY:	DEI
CHECKED BY:	MHV
PIRO JOB NO.	22139

DRAWING NUMBER:

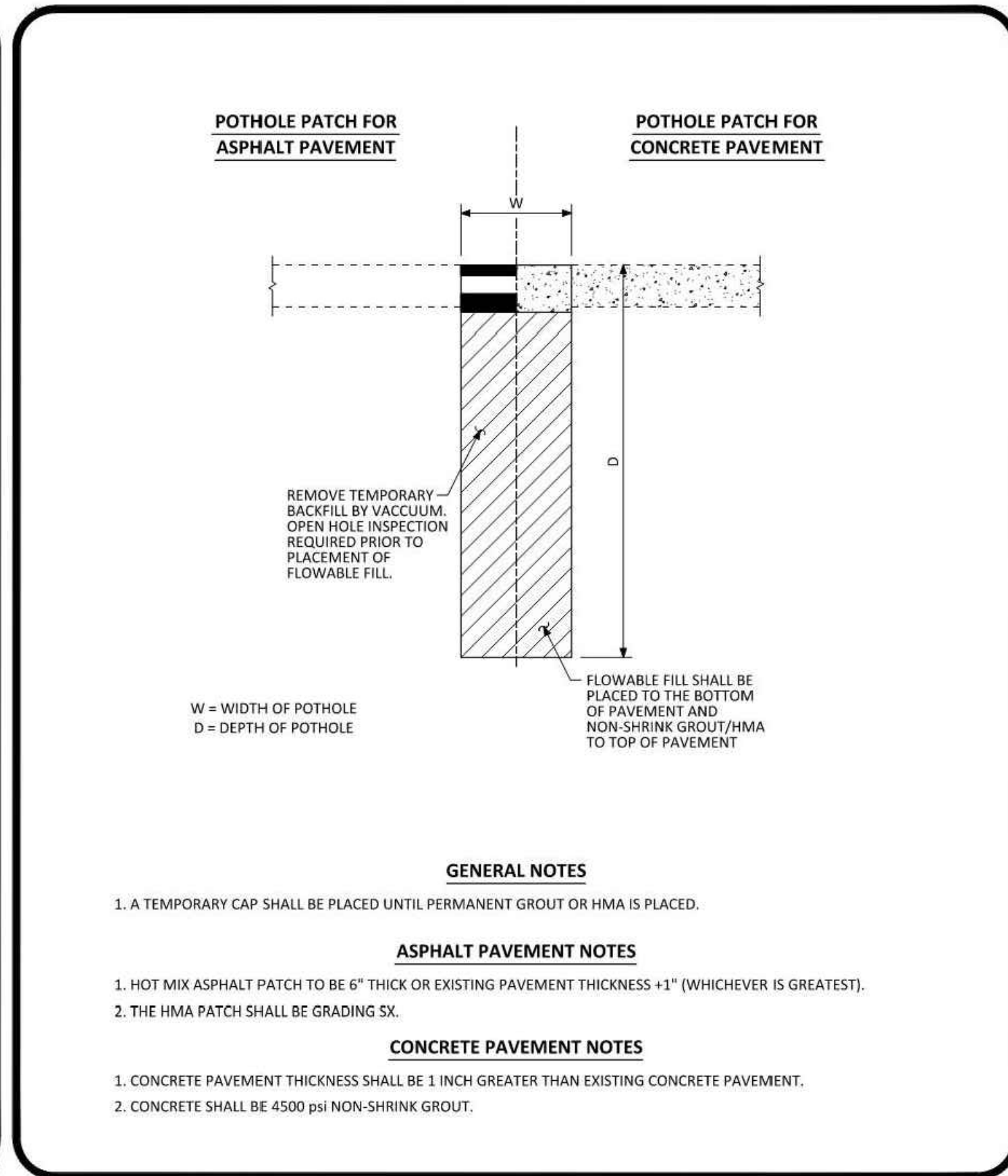
C-451



**CURB CHASE DRAIN
(NON-RESIDENTIAL) LAYOUT
STANDARD DETAIL**

DATE
NOVEMBER
2020

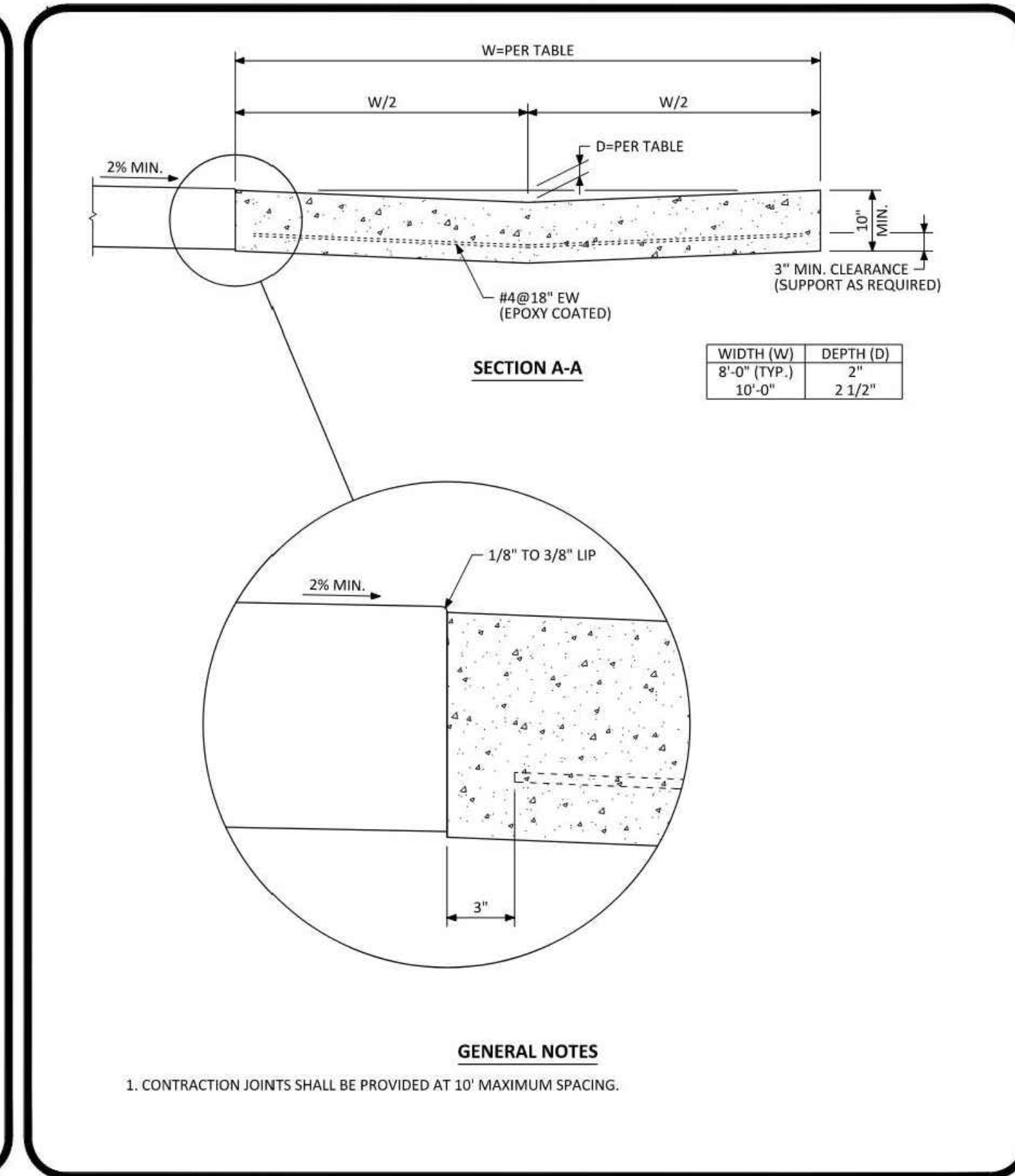
DETAIL
29
1 OF 2



**TEST HOLE
RESTORATION
STANDARD DETAIL**

DATE
NOVEMBER
2020

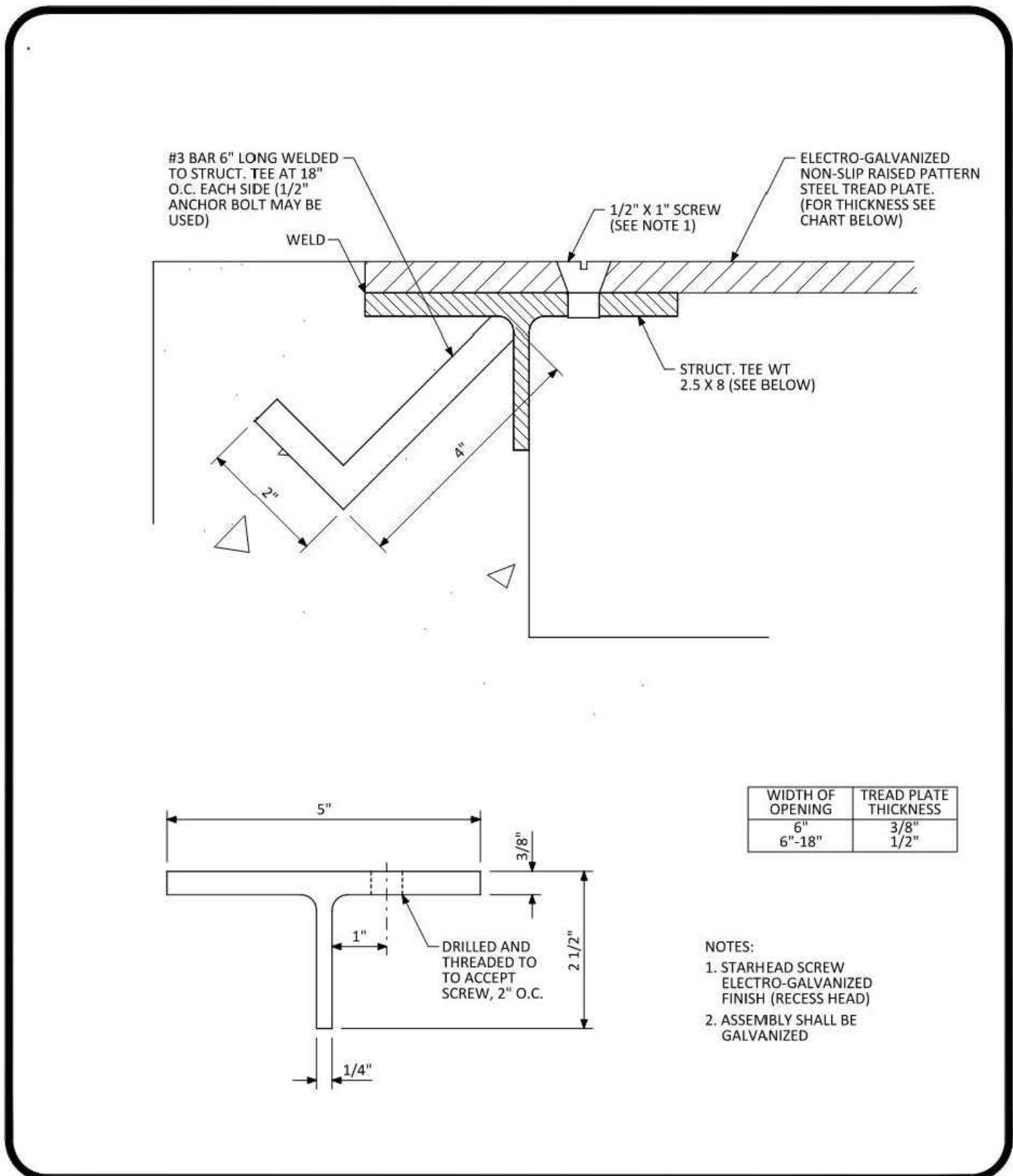
DETAIL
25
2 OF 2



**INTERSECTION
CROSS PAN LAYOUT
STANDARD DETAIL**

DATE
NOVEMBER
2020

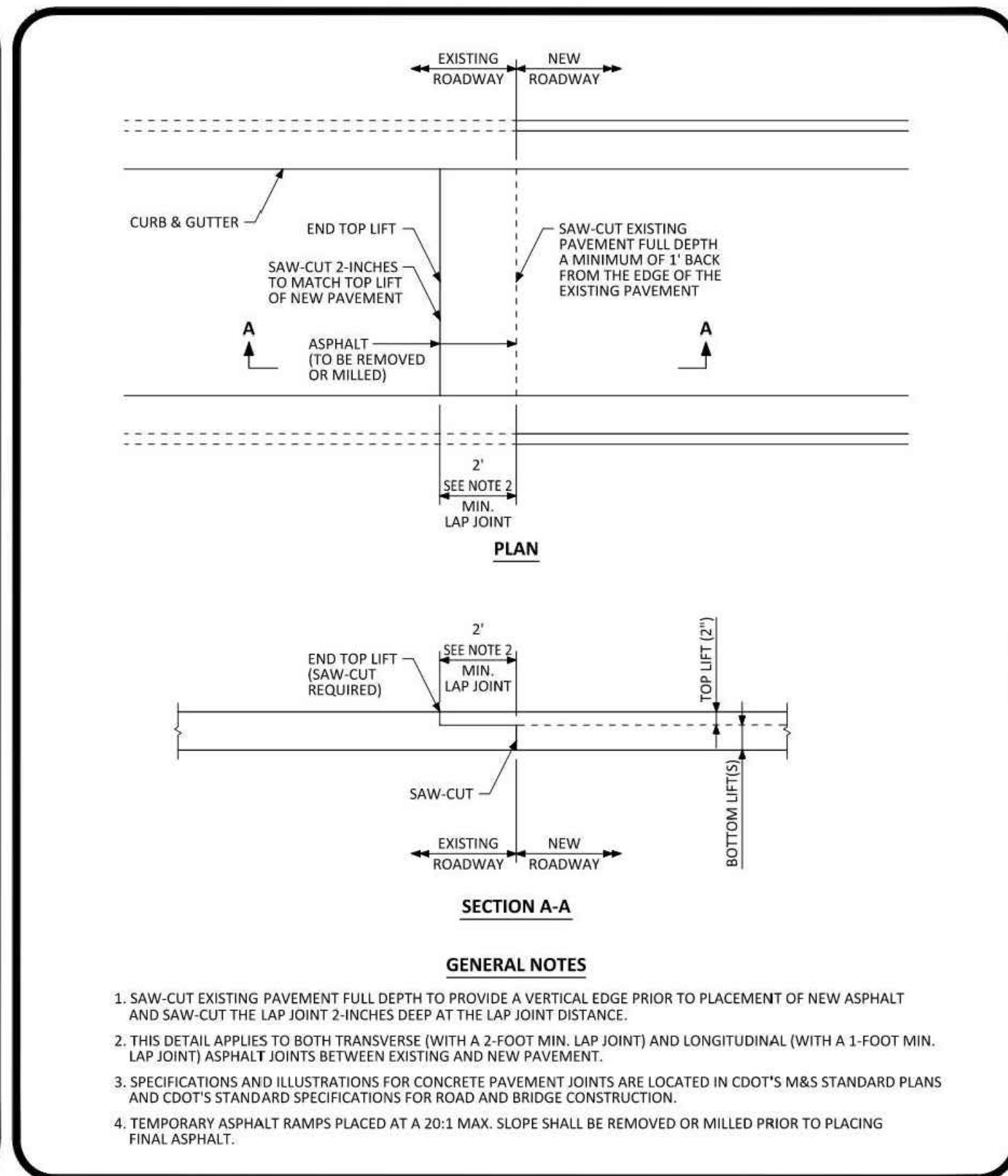
DETAIL
19
1 OF 2



**CURB CHASE DRAIN
(NON-RESIDENTIAL) LAYOUT
STANDARD DETAIL**

DATE
NOVEMBER
2020

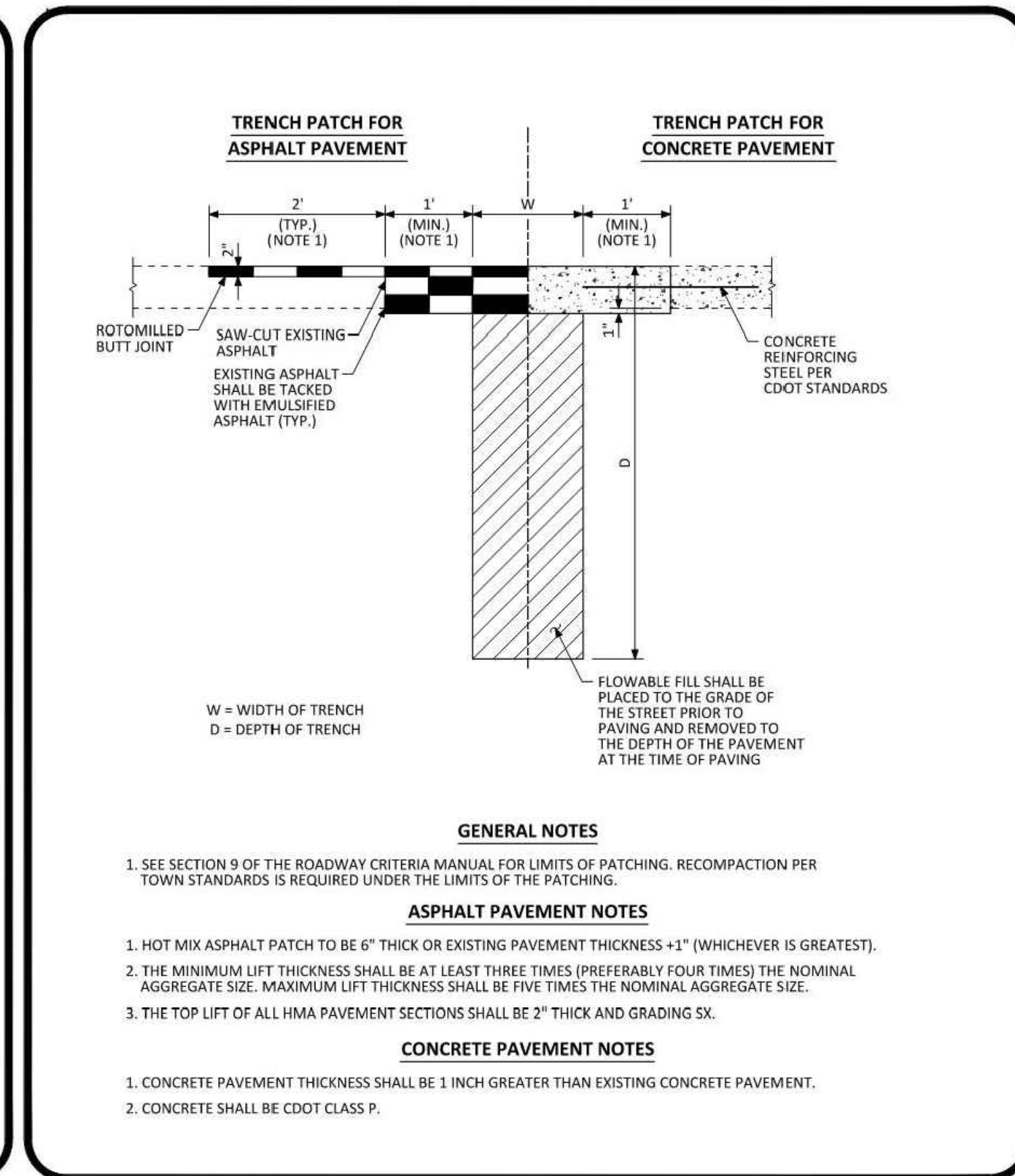
DETAIL
29
2 OF 2



**ASPHALT CONNECTION BETWEEN
EXISTING AND NEW PAVEMENT
STANDARD DETAIL**

DATE
NOVEMBER
2020

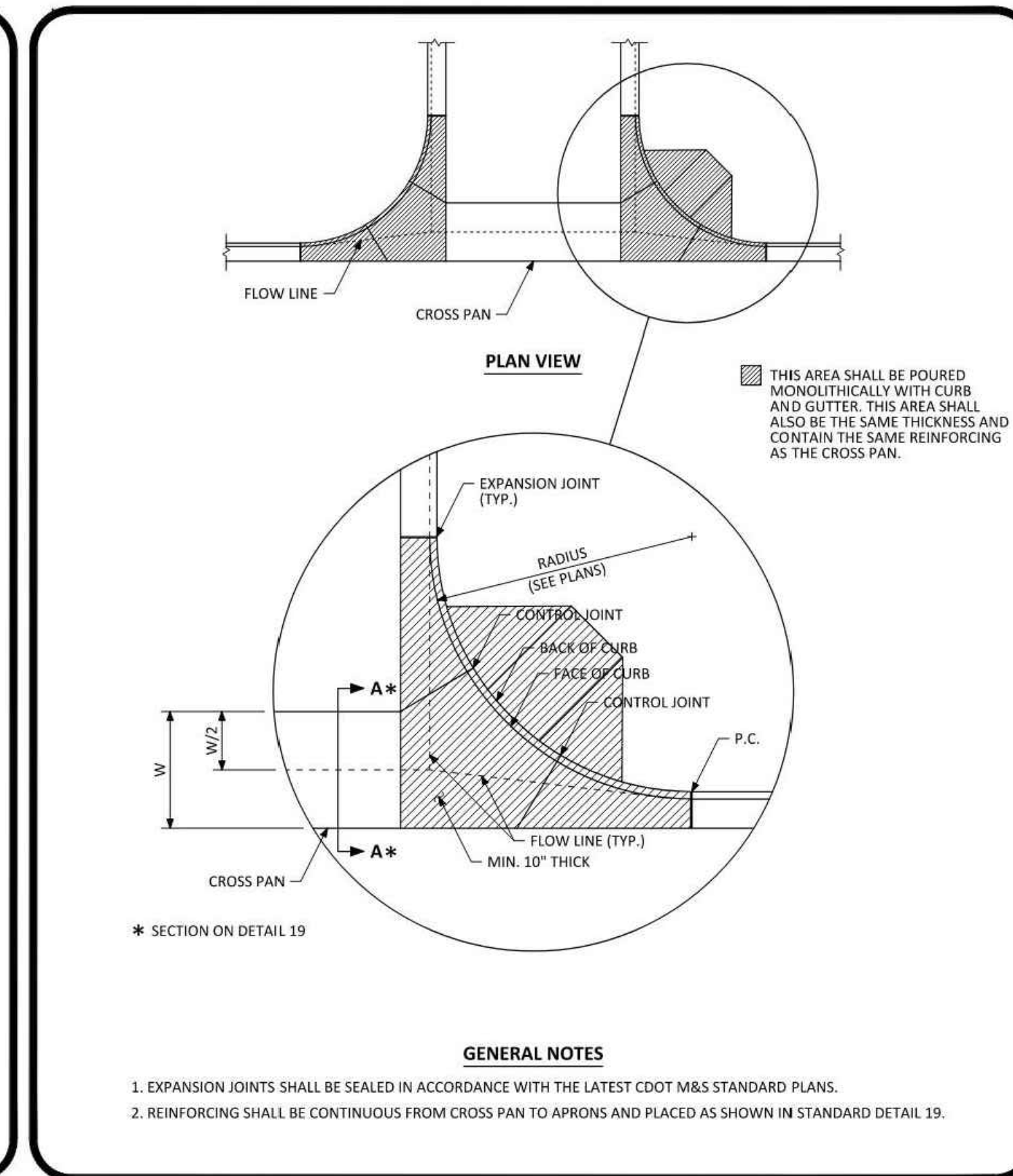
DETAIL
26
1 OF 1



**MINIMUM STREET
PATCH DETERMINATION
STANDARD DETAIL**

DATE
NOVEMBER
2020

DETAIL
25
1 OF 2



**INTERSECTION
CROSS PAN LAYOUT
STANDARD DETAIL**

DATE
NOVEMBER
2020

DETAIL
19
2 OF 2

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NO.	DESCRIPTION	DATE
1	FIRST TOWN SUBMITTAL	11/03/2023
2	SECOND TOWN SUBMITTAL	02/05/2024
3	THIRD TOWN SUBMITTAL	04/04/2024

**PARKER TOWN HALL EXPANSION
20120 MAIN STREET
PARKER, CO 80138**

SITE DETAILS

PROJECT:

DRAWING TITLE:

FILE PATH: C:\Users\jph\OneDrive\Documents\S.A. Miro, Inc.\Civil\Jobs\22139 Parker Town Hall\05 CAD\Plans and Details\C451-SITE-DTLS.dwg C452 - 4/10/2024

DESIGNED BY: R/JH

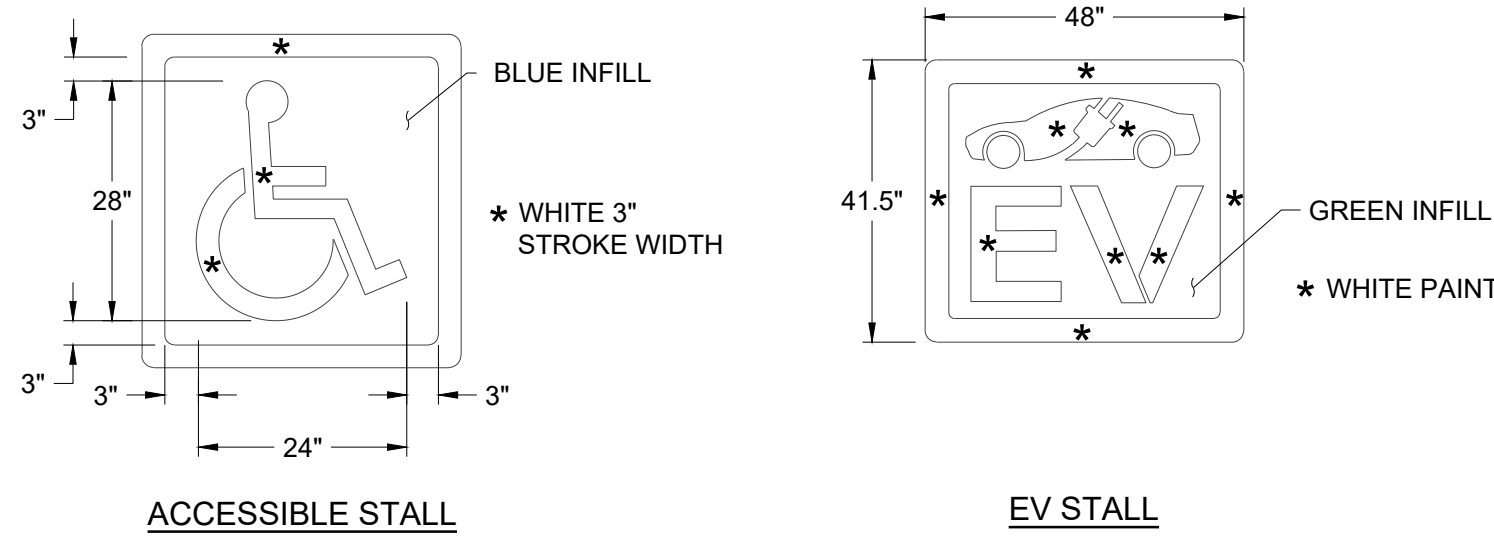
DRAWN BY: DEI

CHECKED BY: MHV

MIRO JOB NO. 22139

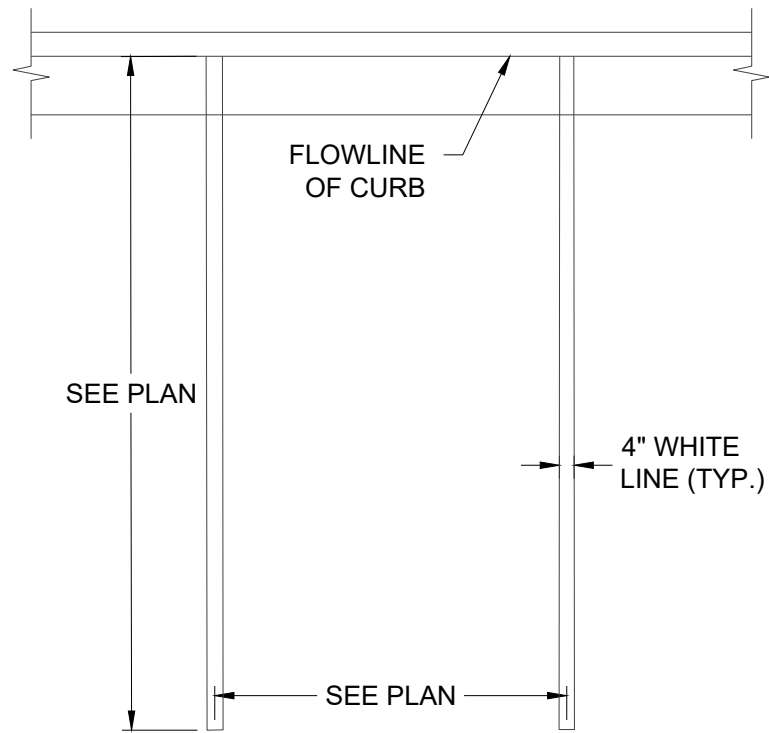
DRAWING NUMBER:

C-452



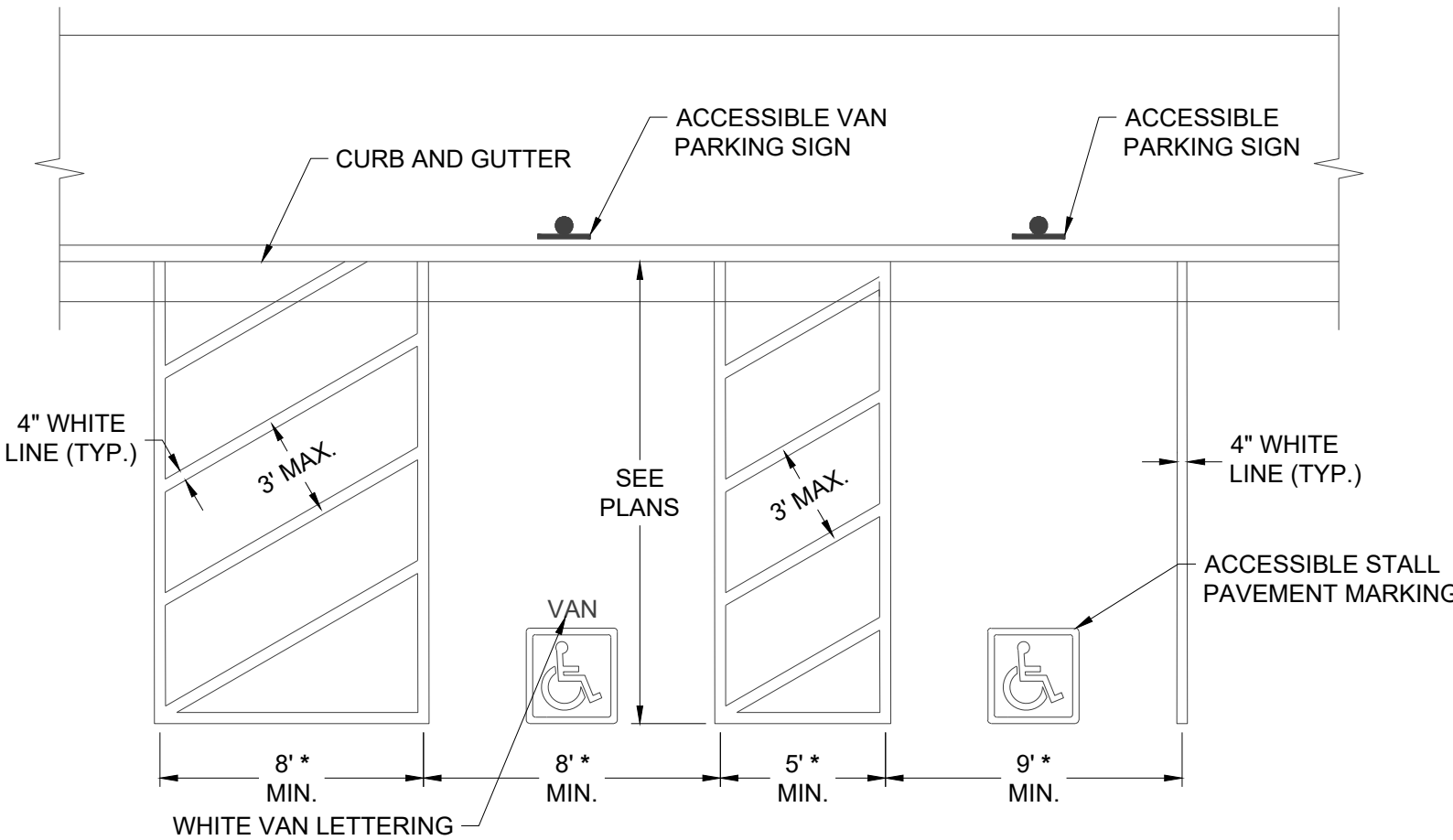
- NOTES:
- WHITE PAINT OR THERMOPLASTIC MARKINGS SHALL BE USED UNLESS OTHERWISE SPECIFIED BY AUTHORITY HAVING JURISDICTION. ALSO COMPARE AGAINST PROJECT SPECIFIC CIVIL SPECS TO ENSURE THEY MATCH.

6 PAVEMENT MARKINGS DETAIL NO SCALE



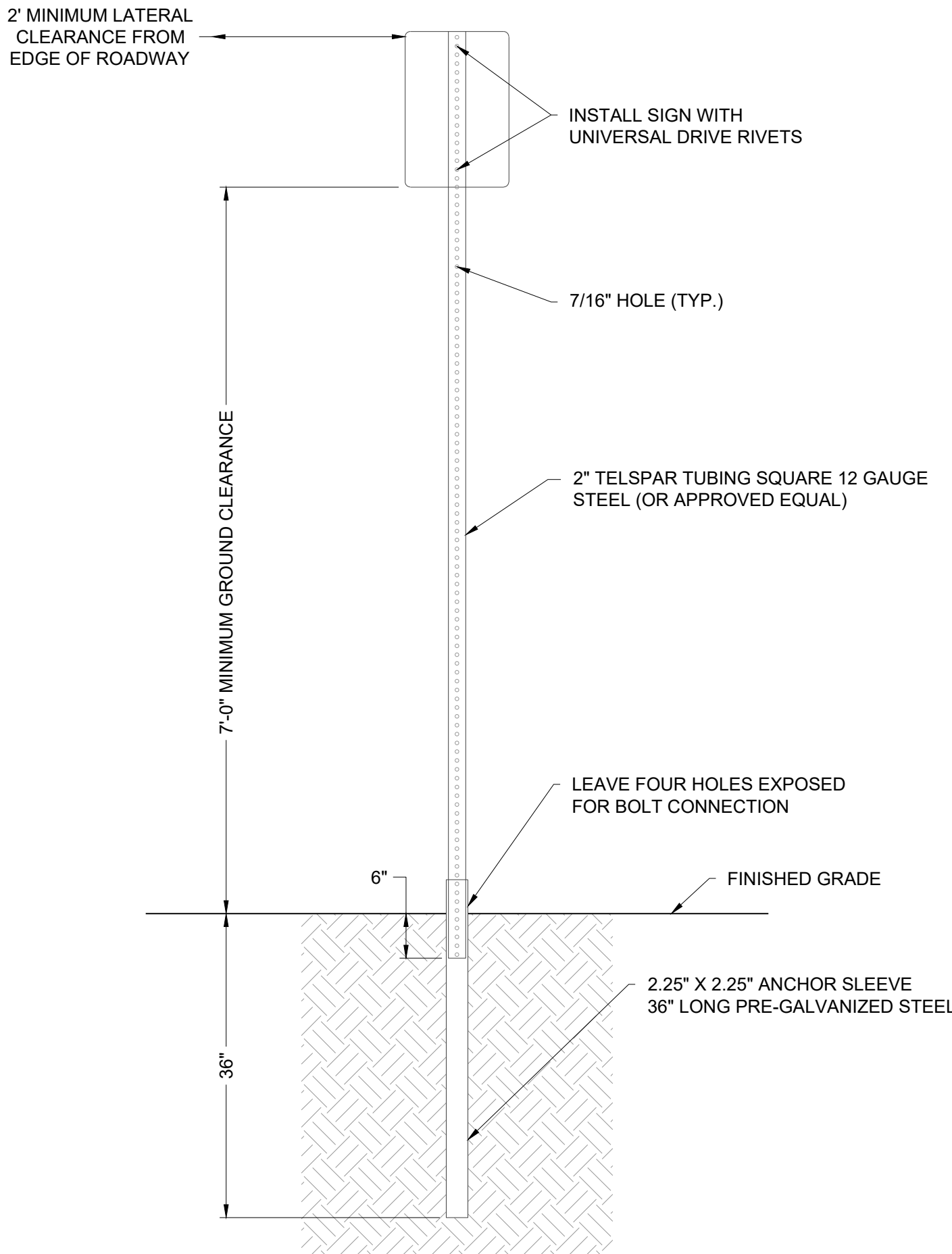
- NOTES:
- PARKING STALLS ADJACENT TO LANDSCAPE ISLANDS SHALL BE MINIMUM OF 10' IN WIDTH.

7 TYPICAL PARKING STALL DETAIL NO SCALE



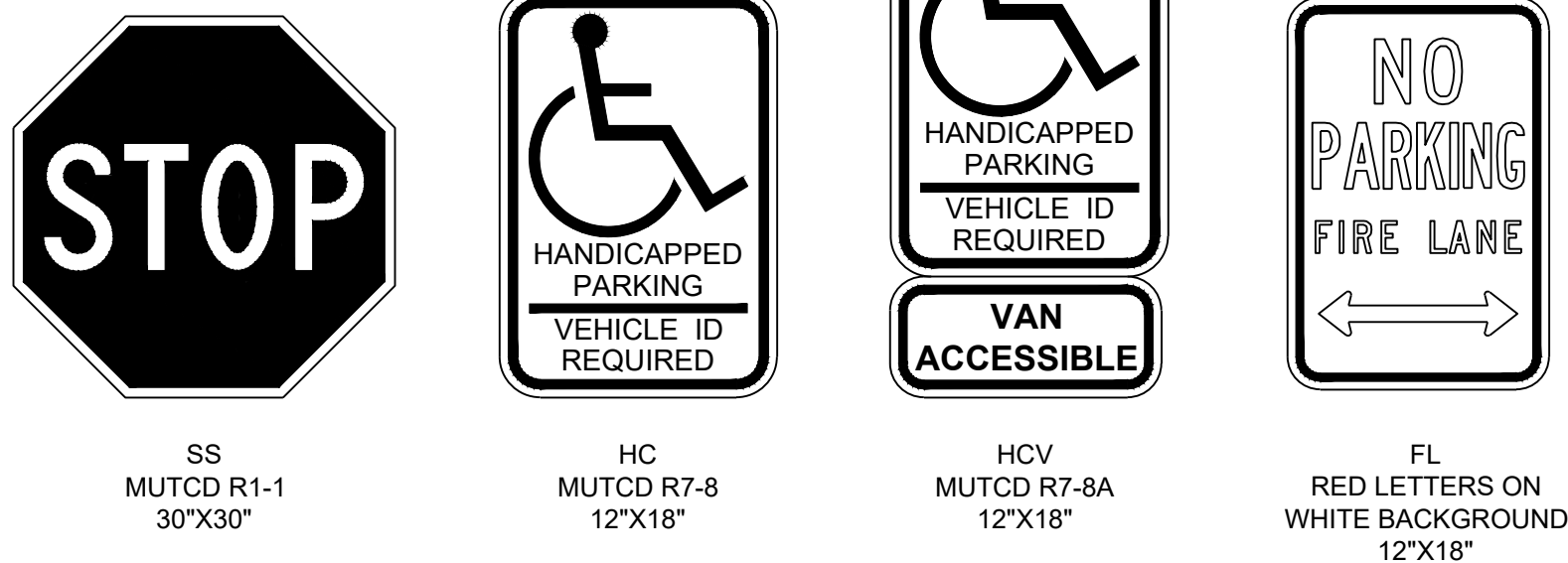
- NOTE:
- THE ACCESSIBLE STALLS AND ASSOCIATED AISLES SHALL BE SLOPED AT A MAXIMUM OF 2% IN ANY DIRECTION. REFER TO GRADING PLANS FOR SPECIFIC ELEVATIONS AND CONTACT THE ENGINEER IF THERE ARE ANY CONCERNS
- * SEE PLAN FOR ACTUAL DIMENSIONS

8 TYPICAL ACCESSIBLE STALLS DETAIL NO SCALE

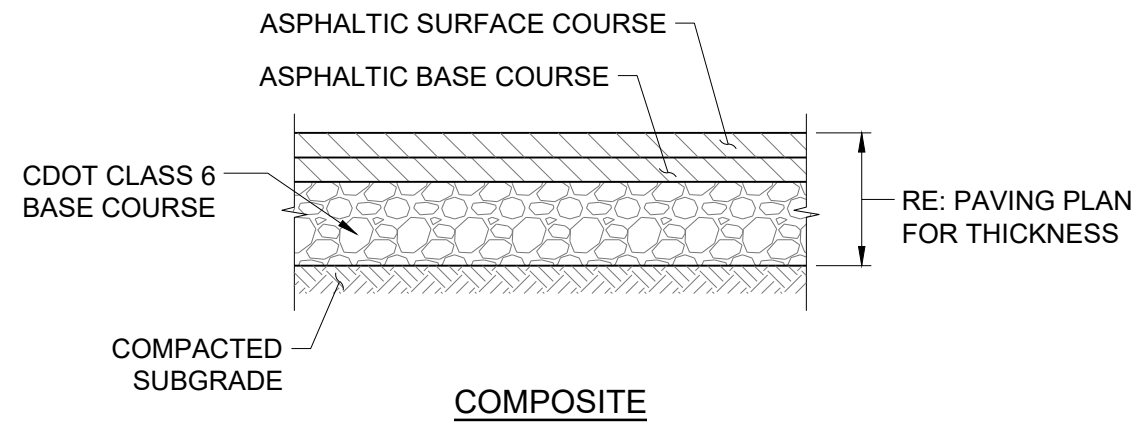


- NOTES:
- SIGN POST INSTALLATION SHALL FOLLOW THE MANUFACTURE'S SPECIFICATIONS.
 - ALL TUBING SHALL BE #12 U.S. STANDARD GAUGE WALL THICKNESS.
 - SIGN AND POST SHALL BE PLUMB AND FREE OF VERTICAL AND LATERAL MOVEMENT.
 - SIGN SHALL BE PARALLEL TO FLOWLINE FOR PARKING STALL INSTALLATION AND 90° FOR ROADWAY INSTALLATION.
 - DRIVE ANCHOR POST INTO THE GROUND TOGETHER, LEAVING FOUR HOLES EXPOSED FOR BOLT CONNECTION. FOR HAND INSTALLATION, DRIVE CAP OF PROPER SIZE SHALL BE USED TO PREVENT DAMAGE TO TUBING. SIDEWALK SHALL BE POURED AROUND A PVC SLEEVE. EXISTING SIDEWALK SHALL BE CORE DRILLED FOR A MINIMUM OF A 4" PVC SLEEVE.
 - INSERT SIGN POST INTO ANCHOR SLEEVE APPROXIMATELY 6" AND BOLT IN PLACE.
 - A 10" POST WILL WORK FOR SIGNS OF 30" OR LESS. ANY SIGNS LARGER WILL REQUIRE A 11" OR 12" POST DEPENDING ON SIGN SIZE TO MAINTAIN 7' OF GROUND CLEARANCE.

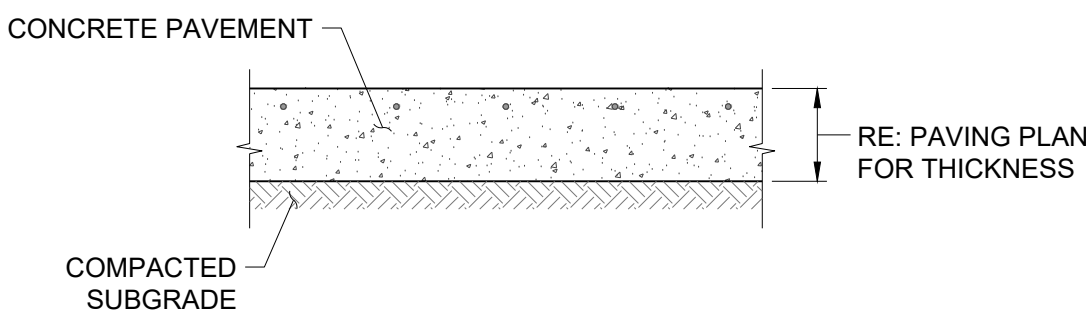
4 SIGN SUPPORT DETAIL NO SCALE



5 SIGN DETAILS NO SCALE

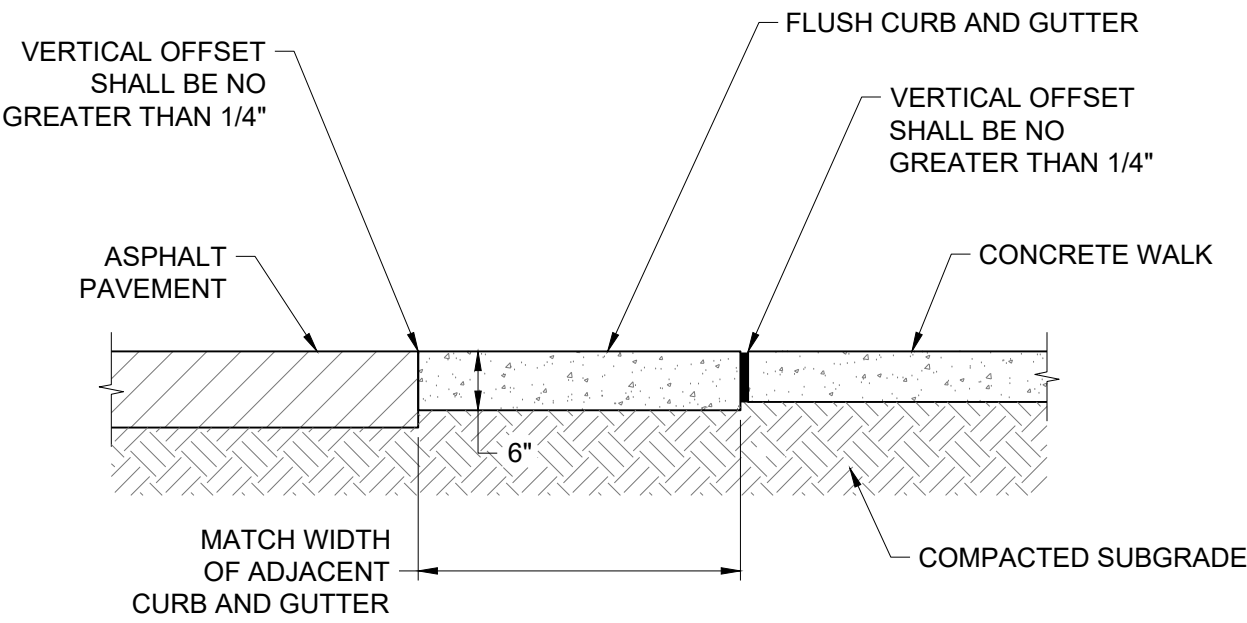


A ASPHALT PAVEMENT SECTIONS NO SCALE

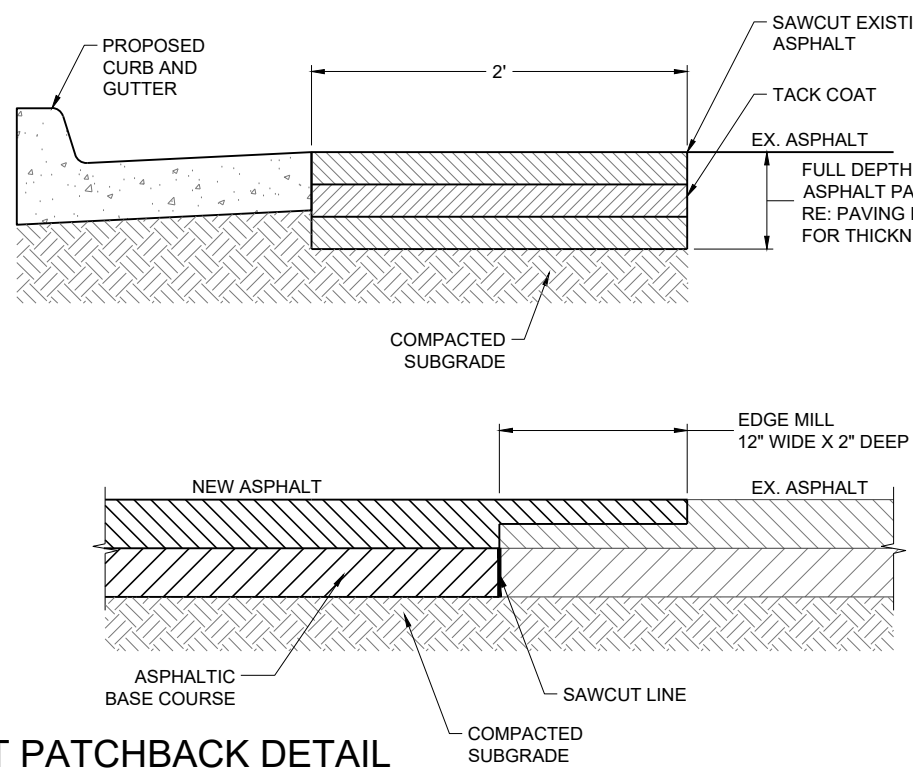


B CONCRETE PAVEMENT SECTION NO SCALE

1 PAVEMENT SECTIONS NO SCALE



2 FLUSH CURB AND GUTTER DETAIL NO SCALE

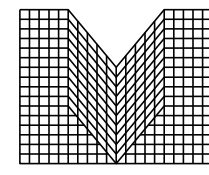


3 ASPHALT PATCHBACK DETAIL NO SCALE

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Town of Parker, Director of Engineering/Public Works Date



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DESCRIPTION	FIRST TOWN SUBMITTAL	SECOND TOWN SUBMITTAL	THIRD TOWN SUBMITTAL						
NO.	1	2	3						

PARKER TOWN HALL EXPANSION
20120 MAINSTREET
PARKER, CO 80138

SITE DETAILS

PROJECT: PARKER TOWN HALL EXPANSION
20120 MAINSTREET
PARKER, CO 80138

DRAWING TITLE: SITE DETAILS

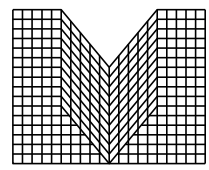


DESIGNED BY: RJH
DRAWN BY: DEI
CHECKED BY: MHV
MIRO JOB NO. 22139

DRAWING NUMBER:

C-453

FILE PATH: C:\Users\jphDOAC\Documents\S. A. Miro, Inc.\Civil\Jobs\22139 Parker Town Hall\05 CAD\Plans and Details\C453-SITE-DTLS.dwg C453 - 4/10/2024



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3	THIRD TOWN SUBMITTAL	04/04/2024

PROJECT: **PARKER TOWN HALL EXPANSION
20120 MAINSTREET
PARKER, CO 80138**

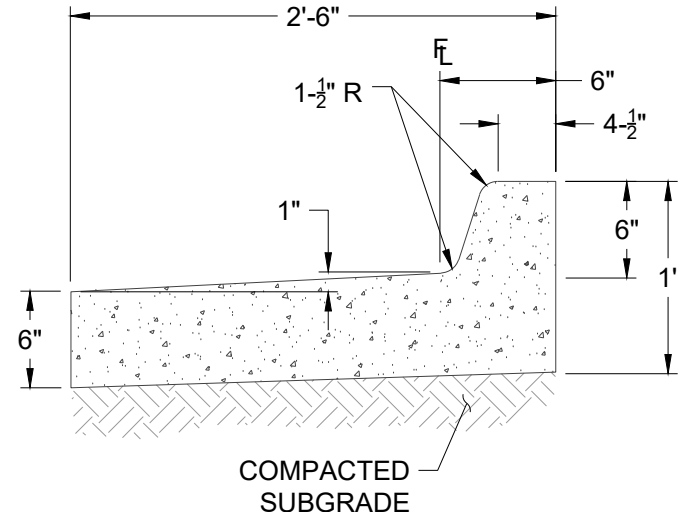
DRAWING TITLE: **SITE DETAILS**

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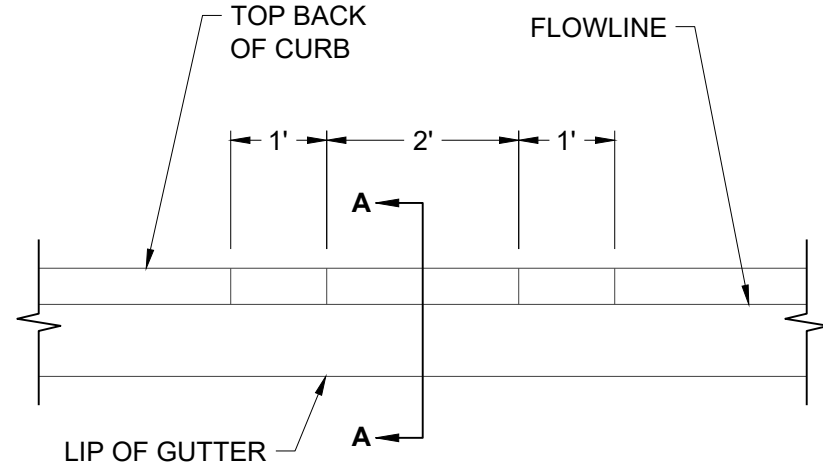


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CHECKED BY: MHV
MIRO JOB NO. 22139

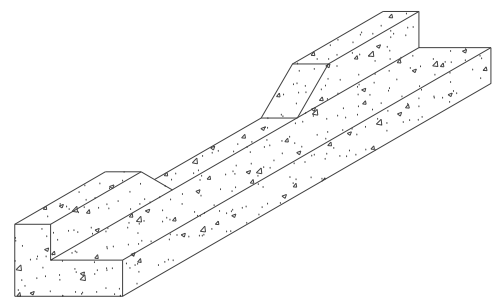
DRAWING NUMBER:
C-454



SECTION A-A



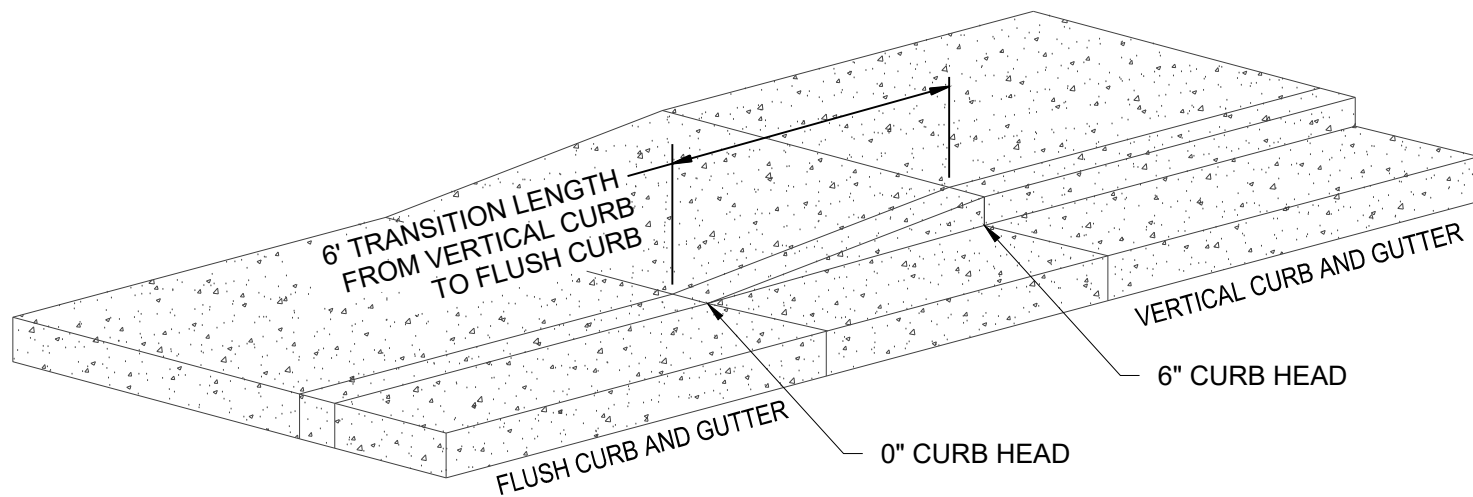
PLAN VIEW



ISOMETRIC VIEW

1
C-454
2' CURB CUT DETAIL

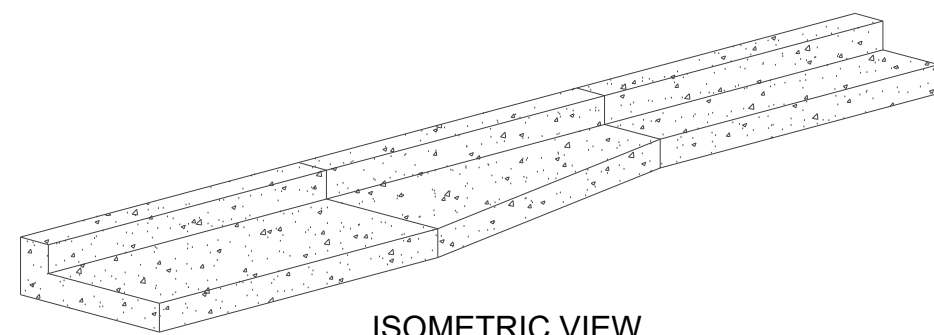
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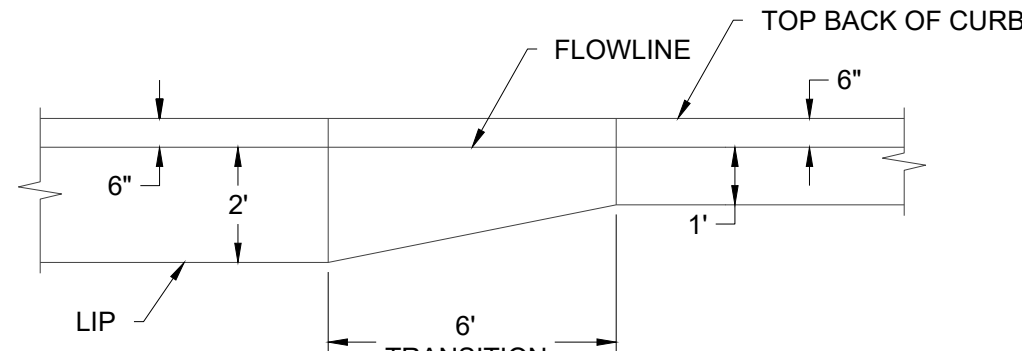
ISOMETRIC VIEW

3
C-454
TRANSITION FROM 6" VERTICAL CURB TO FLUSH CURB DETAIL

NO SCALE



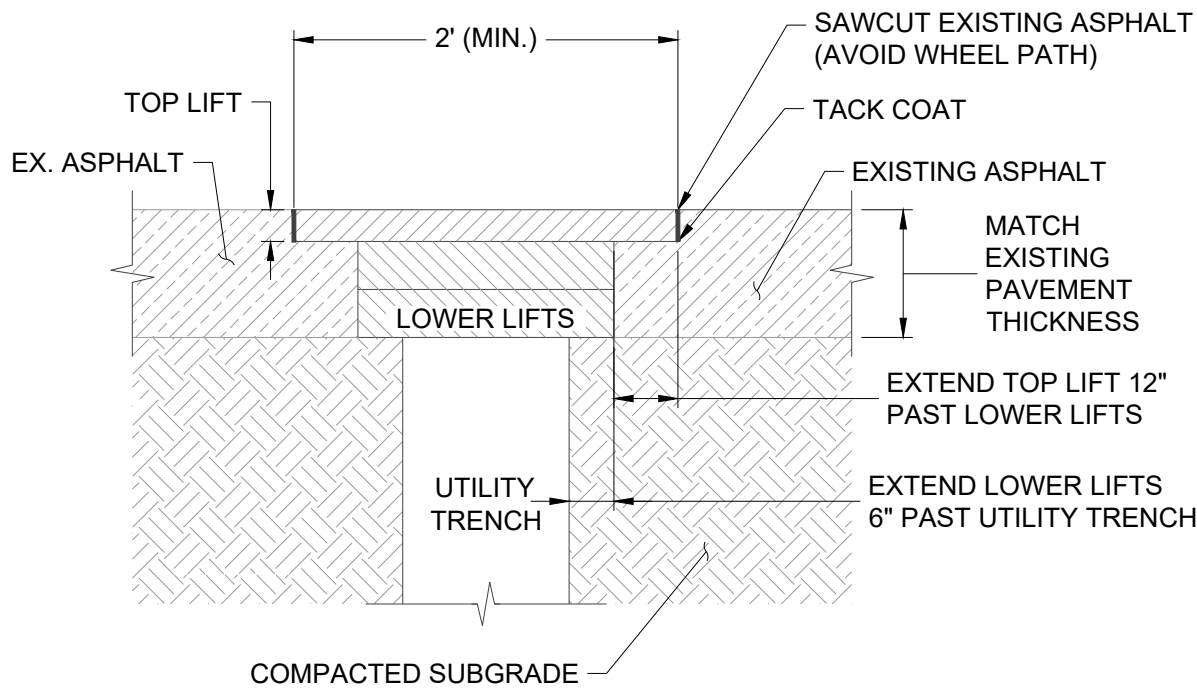
ISOMETRIC VIEW



PLAN VIEW

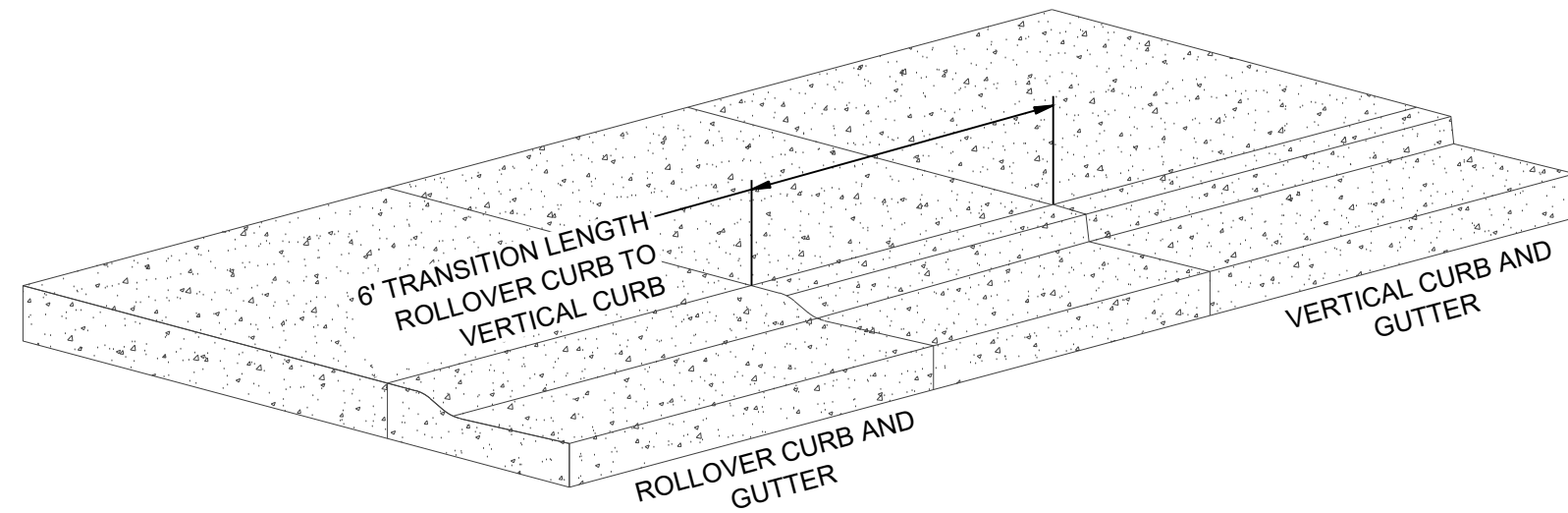
2
C-454
TRANSITION FROM 2' GUTTER TO 1' GUTTER DETAIL

NO SCALE



5
C-454
UTILITY CUT ASPHALT PATCHBACK DETAIL
3" MAXIMUM COMPACTED LIFTS

NO SCALE



ISOMETRIC VIEW

4
C-454
TRANSITION FROM ROLLOVER CURB TO 6" VERTICAL CURB DETAIL

NO SCALE

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