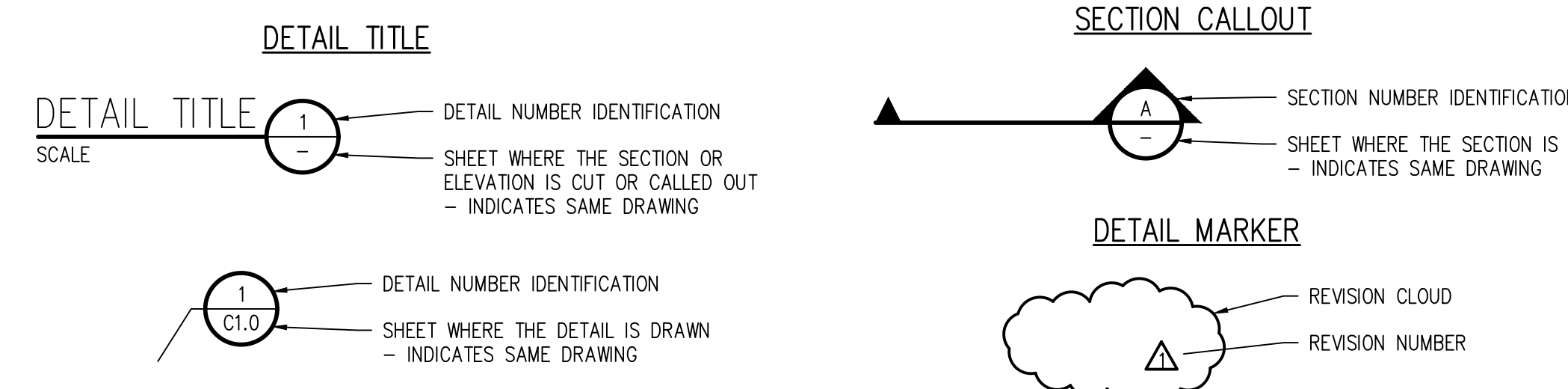
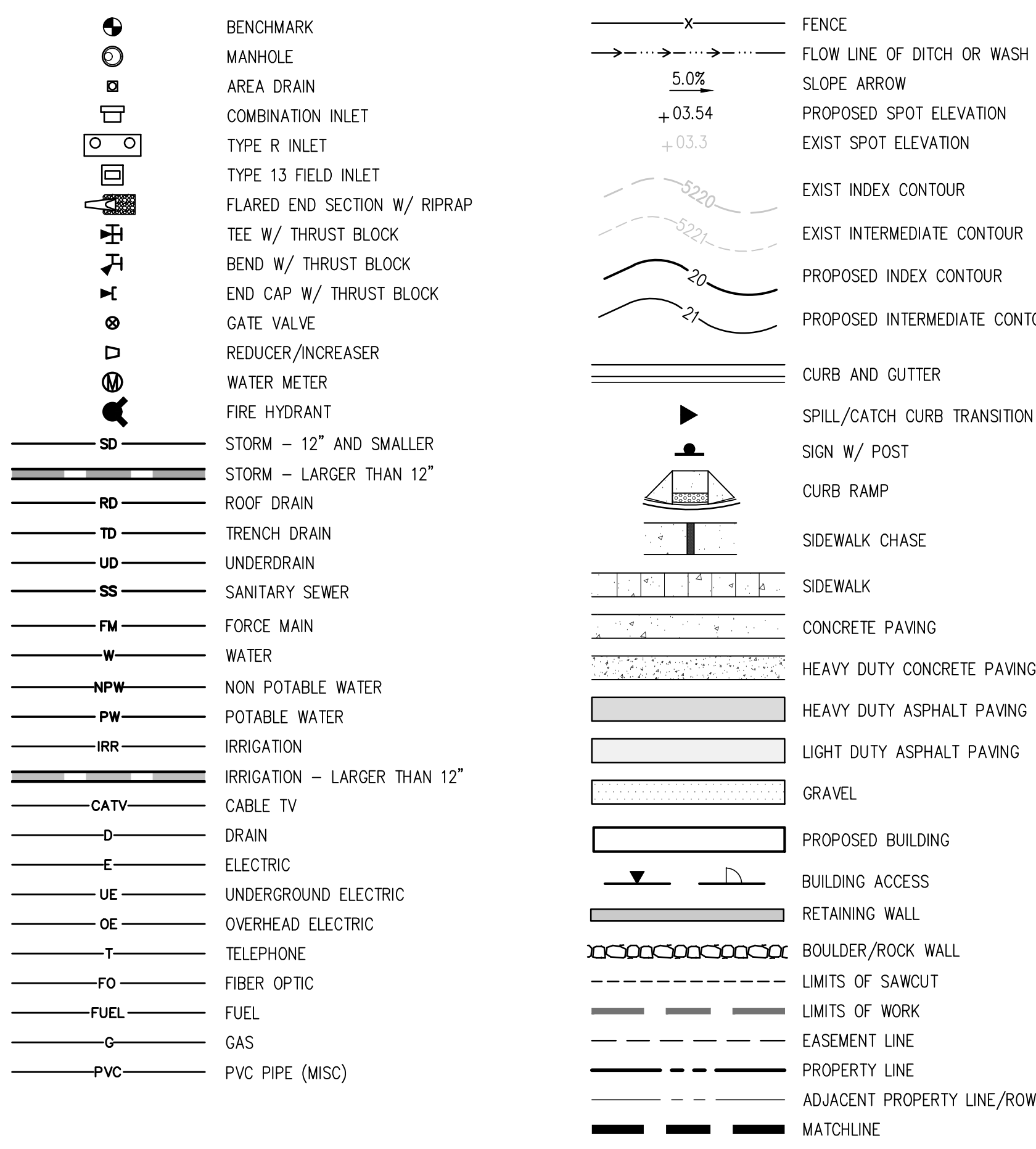


ABBREVIATIONS

Table with multiple columns containing abbreviations for various engineering terms such as AASHTO, ABAN, AC, ADDL, ADOM, ADJ, AL, ALT, AMT, APPROX, ARCH, ARV, ASTM, ASPH, ASSY, ASYM, AUTO, AVC, AWA, BC, BFV, BG, BLDG, BLK, BM, BMP, BS, BSS, BOT, BSM, BVCE, BVCS, BW, CB, CCW, CDOT, CIP, CJ, CL, CLR, CMP, CMU, CNO, CONC, CONST, CONT, COR, CR, CTR, CW, CYP, DEMO, DIA, DIAG, DIP, DOM, DN, DR, DWG, DWL, E, EA, ECC, EJ, EL, ELB, ELEC, ENGR, EOP, EQ, EQUIP, EQUIV, ESMT, EST, EVCE, EVCS, EW, EXP, EXIST, FND, FES, FF, FG, FH, FL, FN, FOC, FOV, FPM, FPS, FT, FTG, G, GA, GAL, GALV, GCO, GOP, GND, GPD, GPM, GR, GRTG, GSP, GV, H, HB, HE, HDWL, HDRL, HORIZ, HP, HR, HVAC, HWY, HWL, HYD, INCL, IN, AC, ADDL, ADOM, ADJ, AL, ALT, AMT, APPROX, ARCH, ARV, ASTM, ASPH, ASSY, ASYM, AUTO, AVC, AWA, BC, BFV, BG, BLDG, BLK, BM, BMP, BS, BSS, BOT, BSM, BVCE, BVCS, BW, CB, CCW, CDOT, CIP, CJ, CL, CLR, CMP, CMU, CNO, CONC, CONST, CONT, COR, CR, CTR, CW, CYP, DEMO, DIA, DIAG, DIP, DOM, DN, DR, DWG, DWL, E, EA, ECC, EJ, EL, ELB, ELEC, ENGR, EOP, EQ, EQUIP, EQUIV, ESMT, EST, EVCE, EVCS, EW, EXP, EXIST, FND, FES, FF, FG, FH, FL, FN, FOC, FOV, FPM, FPS, FT, FTG, G, GA, GAL, GALV, GCO, GOP, GND, GPD, GPM, GR, GRTG, GSP, GV, H, HB, HE, HDWL, HDRL, HORIZ, HP, HR, HVAC, HWY, HWL, HYD, INCL, ID, IN, INCL, INSUL, INV, IRR, JTS, KO, KPL, KRW, L, LSCAPE, LF, LP, LT, LWL, MAINT, MATL, ME, MECH, MFR, MHS, MIN, MISC, MJ, NA, NPT, NTS, OC, OD, OPP, OPT, PC, PCD, PCR, PIR, PVI, PL, POLY, PREFAB, PRELIM, PREP, PROP, PRV, PSF, PD, PT, PV, PVC, PVT, QTY, R, RAD, RCP, RD, RE, RECT, REIN, REINFOR, ROW, SAN, SDD, SECT, SPD, SPEC, SQ, SQ IN, SQ FT, SQ YD, SS, SST, STA, STD, STL, STRUCT, SVC, SWMP, SYM, TB, TBC, TBM, TEMP, THK, TOB, TOC, TOS, TOT, TWT, TYP, UBC, UGE, UTIL, VERT, VC, VCP, W, W/, W/O, WCV, WSE, WW, X, XFMR, YH.

DESIGN LEGEND



GENERAL NOTES

- 1. ALL MATERIALS AND WORKMANSHIP SHALL BE IN CONFORMANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF THE EL PASO COUNTY, FALCON SCHOOL DISTRICT, COLORADO DEPARTMENT OF TRANSPORTATION, FALCON FIRE PROTECTION REQUIREMENTS, AND APPLICABLE STATE AND LOCAL STANDARDS AND SPECIFICATIONS. THE CONTRACTOR SHALL HAVE IN POSSESSION AT THE JOB SITE AT ALL TIMES ONE (1) SIGNED COPY OF APPROVED PLANS, STANDARDS AND SPECIFICATIONS. THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN EMERGENCY ACCESS ROUTES TO THE SITE AND STRUCTURE AT ALL TIMES PER THE APPLICABLE FALCON FIRE PROTECTION DISTRICT REQUIREMENTS. THE CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FOR ANY VARIANCE TO THE ABOVE DOCUMENTS. NOTIFY ENGINEER OF ANY CONFLICTING STANDARDS OR SPECIFICATIONS. IN THE EVENT OF ANY CONFLICTING STANDARD OR SPECIFICATION, THE MORE STRINGENT OR HIGHER QUALITY STANDARD, DETAIL OR SPECIFICATION SHALL APPLY.
2. THE CONTRACTOR SHALL OBTAIN, AT HIS OWN EXPENSE, ALL APPLICABLE CODES, LICENSES, STANDARD SPECIFICATIONS, PERMITS, BONDS, ETC., WHICH ARE NECESSARY TO PERFORM THE PROPOSED WORK, INCLUDING, BUT NOT LIMITED TO A LOCAL AND STATE GROUNDWATER DISCHARGE AND COLORADO DEPARTMENT OF HEALTH AND ENVIRONMENT (CDPHE) STORMWATER DISCHARGE PERMIT ASSOCIATED WITH CONSTRUCTION ACTIVITY.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE REQUIRED PARTY (FALCON SCHOOL DISTRICT, OWNER'S REPRESENTATIVE, EL PASO COUNTY/FALCON INSPECTOR, GEOTECHNICAL ENGINEER, ENGINEER AND/OR UTILITY OWNER) AT LEAST 48 HOURS PRIOR TO START OF ANY CONSTRUCTION, PRIOR TO BACKFILLING, AND AS REQUIRED BY JURISDICTIONAL AUTHORITY AND/OR PROJECT SPECIFICATIONS. THE CONTRACTOR SHALL CONTINUE WITH NOTIFICATIONS THROUGHOUT THE PROJECT AS REQUIRED BY THE STANDARDS AND SPECIFICATIONS.
4. THE LOCATIONS OF EXISTING UTILITIES ARE SHOWN IN THE APPROXIMATE LOCATION BASED ON INFORMATION BY OTHERS. NOT ALL UTILITIES MAY BE SHOWN. THE CONTRACTOR SHALL DETERMINE THE EXACT SIZE, LOCATION AND TYPE OF ALL EXISTING UTILITIES WHETHER SHOWN OR NOT BEFORE COMMENCING WORK. THE ENGINEER AND/OR OWNER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS SHOWN ON PLANS. THE CONTRACTOR SHALL BE FULLY AND SOLELY RESPONSIBLE FOR ANY AND ALL DAMAGES AND COSTS WHICH MIGHT OCCUR BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES. THE CONTRACTOR SHALL NOTIFY ALL PUBLIC AND PRIVATE UTILITY COMPANIES AND DETERMINE THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO PROCEEDING WITH GRADING AND CONSTRUCTION. ALL WORK PERFORMED IN THE AREA OF UTILITIES SHALL BE PERFORMED AND INSPECTED ACCORDING TO THE REQUIREMENTS OF THE UTILITY OWNER. LIKEWISE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND MAPPING ANY EXISTING UTILITY (INCLUDING DEPTH) WHICH MAY CONFLICT WITH THE PROPOSED CONSTRUCTION, AND FOR RELOCATING ENCOUNTERED UTILITIES AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL CONTACT AND RECEIVE APPROVAL FROM EL PASO COUNTY/UTILITY OWNER AND ENGINEER BEFORE RELOCATING ANY ENCOUNTERED UTILITIES. CONTRACTOR RESPONSIBLE FOR SERVICE CONNECTIONS, AND RELOCATING AND RECONNECTING AFFECTED UTILITIES AS COORDINATED WITH UTILITY OWNER AND/OR ENGINEER, INCLUDING NON-MUNICIPAL UTILITIES (TELEPHONE, GAS, CABLE, ETC., WHICH SHALL BE COORDINATED WITH THE UTILITY OWNER). THE CONTRACTOR SHALL IMMEDIATELY CONTACT ENGINEER UPON DISCOVERY OF A UTILITY DISCREPANCY OR CONFLICT. AT LEAST 48 HOURS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY NOTIFICATION CENTER OF COLORADO (1-800-922-1987, WWW.LNCCC.ORG). SEE SURVEY UTILITY LOCATION INFORMATION BELOW.
5. 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 THE PERFORMANCE OF THE WORK. THE CONTRACTOR SHALL PREPARE A TRAFFIC CONTROL PLAN FOR OWNER AND/OR CITY APPROVAL AND PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FENCING, FLAGMEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR AGREES TO COMPLY WITH THE PROVISIONS OF THE TRAFFIC CONTROL PLAN AND THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES," PART VI, FOR CONSTRUCTION SIGNAGE AND TRAFFIC CONTROL. ALL TEMPORARY AND PERMANENT TRAFFIC SIGNS SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) WITH REGARD TO SIGN SHAPE, COLOR, SIZE, LETTERING, ETC. UNLESS OTHERWISE SPECIFIED. IF APPLICABLE, PART NUMBERS ON SIGNAGE DETAILS REFER TO MUTCD SIGN NUMBERS.
6. 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 ADJUTING PROPERTIES IN ORDER TO CONSTRUCT THE IMPROVEMENTS SHOWN ON THESE PLANS. GROUNDWATER TO BE PUMPED SHALL BE TESTED, PERMITTED, AND PUMPED PER THE STATE OF COLORADO AND LOCAL GROUNDWATER DISCHARGING PERMIT REQUIREMENTS.
7. RIM AND GRATE ELEVATIONS SHOWN ON PLANS ARE APPROXIMATE ONLY AND ARE NOT TO BE TAKEN AS FINAL ELEVATIONS. THE CONTRACTOR SHALL ADJUST RIMS AND OTHER IMPROVEMENTS TO MATCH FINAL PAVEMENT AND FINISHED GRADE ELEVATIONS.
8. THE EXISTING AND PROPOSED ELEVATIONS OF FLATWORK, SIDEWALKS, CURBS, THRESHOLDS, PAVING, ETC. AS SHOWN HEREON ARE BASED ON EXTRAPOLATION OF FIELD SURVEY DATA, EXISTING CONDITIONS, AND DATA PROVIDED BY OTHERS. AT CRITICAL AREAS AND SITE FEATURES, CONTRACTOR SHALL HAVE FORKWORK INSPECTED AND APPROVED BY OWNER, OWNER'S REPRESENTATIVE, OR ENGINEER PRIOR TO PLACING CONCRETE. MINOR ADJUSTMENTS, AS APPROVED, TO PROPOSED GRADES, INVERTS, ETC. MAY BE REQUIRED TO PREVENT PONDING OR SLOPE NOT IN CONFORMANCE WITH MUNICIPAL STANDARDS. ALL FLATWORK MUST PREVENT PONDING AND PROVIDE POSITIVE DRAINAGE AWAY FROM EXISTING AND PROPOSED BUILDINGS, WALLS, ROOF DRAIN OUTFALLS, ACROSS DRIVES AND WALKS, ETC., TOWARDS THE PROPOSED INTENDED DRAINAGE FEATURES AND CONVEYANCES.
9. FINAL LIMITS OF REQUIRED ASPHALT SAWCUTTING AND PATCHING MAY VARY FROM LIMITS SHOWN ON PLANS. CONTRACTOR TO PROVIDE SAWCUT AND PATCH WORK TO ACHIEVE POSITIVE DRAINAGE AND A SMOOTH TRANSITION TO EXISTING ASPHALT WITHIN SLOPES ACCEPTABLE TO THE ENGINEER AND WITHIN MUNICIPAL STANDARDS. CONTRACTOR SHALL PROVIDE ADDITIONAL SAWCUTTING AND PATCHING AT UTILITY WORK, CONNECTION POINTS TO EXISTING PAVEMENT AND FEATURES, ETC. THAT MAY NOT BE DELINEATED ON PLANS.
10. ANY EXISTING MONITORING WELLS, CLEANOUTS, VALVE BOXES, ETC. TO BE PROTECTED AND TO REMAIN IN SERVICE. IF FEATURES EXIST, EXTEND OR LOWER TO FINAL SURFACE WITH LIKE KIND CAP WITH STANDARD CAST ACCESS LID WITH SAME MARKINGS. IN LANDSCAPED AREAS PROVIDE A CONCRETE COLLAR (18"X18"X6" THICK) AT ALL EXISTING AND PROPOSED MONITORING WELLS, CLEANOUTS, VALVE BOXES, ETC.
11. OWNER TO APPROVE ALL PRIVATE CONCRETE FINISHING, JOINT PATTERNS AND COLORING REQUIREMENTS PRIOR TO CONSTRUCTION. SUBMIT JOINT LAYOUT PLAN TO OWNER FOR APPROVAL PRIOR TO CONSTRUCTION.
12. PIPE LENGTHS AND HORIZONTAL CONTROL POINTS SHOWN ARE FROM CENTER OF STRUCTURES, END OF FLARED END SECTIONS, ETC. SEE STRUCTURE DETAILS FOR EXACT HORIZONTAL CONTROL LOCATION. CONTRACTOR IS RESPONSIBLE FOR ADJUSTING ACTUAL PIPE LENGTHS TO ACCOUNT FOR STRUCTURES AND LENGTH OF FLARED END SECTIONS.
13. ALL SURPLUS MATERIALS, TOOLS, AND TEMPORARY STRUCTURES, FURNISHED BY THE CONTRACTOR, SHALL BE REMOVED FROM THE PROJECT SITE BY THE CONTRACTOR. ALL DEBRIS AND RUBBISH CAUSED BY THE OPERATIONS OF THE CONTRACTOR SHALL BE REMOVED, AND THE AREA OCCUPIED DURING CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO ITS ORIGINAL CONDITION, WITHIN 48 HOURS OF PROJECT COMPLETION, UNLESS OTHERWISE DIRECTED BY THE MUNICIPALITY OR OWNER'S REPRESENTATIVE.
14. THE CONTRACTOR IS REQUIRED TO PROVIDE AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE LOCAL JURISDICTION, THE STATE OF COLORADO, MILE HIGH FLOOD DISTRICT "URBAN STORM DRAINAGE CRITERIA MANUAL VOLUME 3", THE M-STANDARD PLANS OF THE COLORADO DEPARTMENT OF TRANSPORTATION, AND THE APPROVED EROSION CONTROL PLAN. JURISDICTIONAL AUTHORITY MAY REQUIRE THE CONTRACTOR TO PROVIDE ADDITIONAL EROSION CONTROL MEASURES AT THE CONTRACTOR'S EXPENSE DUE TO UNFORESSEEN EROSION PROBLEMS OR IF THE PLANS DO NOT FUNCTION AS INTENDED. THE CONTRACTOR IS RESPONSIBLE FOR PROHIBITING SILT AND DEBRIS LAIDN RUNOFF FROM LEAVING THE SITE, AND FOR KEEPING ALL PUBLIC AREAS FREE OF MUD AND DEBRIS. THE CONTRACTOR IS RESPONSIBLE FOR RE-ESTABLISHING FINAL GRADES AND FOR REMOVING ACCUMULATED SEDIMENTATION FROM ALL AREAS INCLUDING SWALES AND DETENTION/WATER QUALITY AREAS. CONTRACTOR SHALL REMOVE TEMPORARY EROSION CONTROL MEASURES AND REPAIR AREAS AS REQUIRED AFTER VEGETATION IS ESTABLISHED AND ACCEPTED BY OWNER AND MUNICIPALITY.
15. ADA COMPLIANCE: THE CROSS-SLOPE OF ALL WALKS MUST BE LESS THAN 1:48 (2.0%) PERPENDICULAR TO DIRECTION OF TRAVEL. RUNNING SLOPE OF ACCESSIBLE WALKS MUST BE NOT STEEPER THAN 1:20 (5.0%) IN DIRECTION OF TRAVEL. MAXIMUM GRADE OF ACCESSIBLE CURB RAMPS AND RAMPS IS 1:12 (8.3%). CURB RAMPS SHALL PROVIDE A LANDING AT THE TOP AND RAMP RUNS PROVIDE LANDINGS AT THE BOTTOM AND TOP OF EACH RAMP RUN AT A SLOPE NOT TO EXCEED 1:48. RAMPS RUNS EXCEEDING SIX INCHES SHALL INCLUDE HANDRAILS. ACCESSIBLE PARKING SPACES AND ACCESSIBLE AREAS SHALL NOT EXCEED 1:48 IN ALL DIRECTIONS. CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO PLACEMENT OF FLATWORK OF SITE CONDITIONS OR DISCREPANCIES WHICH PREVENT TYPICAL REQUIRED GRADES FROM BEING ACHIEVED. ALL RAMPS, STAIRS, EDGE PROTECTION, AND RAILINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CURRENT ADA STANDARDS. ACCESSIBLE CURB RAMPS SHALL CONFORM TO THE CDOT M-STANDARDS (SEE DETAIL M-608-1, ETC.). ACCESSIBLE FEATURE WITHIN THE PUBLIC RIGHTS-OF-WAY SHALL BE CONSTRUCTED TO CONFORM TO THE LOCAL AUTHORITY HAVING JURISDICTION REQUIREMENTS.
16. PROTECT ALL TREES AND VEGETATION. PLACE CONSTRUCTION FENCING AT DRIP LINE OF TREES AND PLANTS NEAR THE WORK ZONE. DEEP WATER TREES WEEKLY. HAND EXCAVATION REQUIRED AT ROOT ZONES WHERE PROPOSED PAVING OR UTILITY WORK IS WITHIN DRIPLINE OF TREES.
17. SURVEY INFORMATION:
17.1. BENCHMARK INFORMATION: TOPOGRAPHIC INFORMATION WAS PROVIDED BY RIDGELINE LAND SURVEYING. SEE TOPOGRAPHIC EXHIBIT DATED 12/13/2021. PROJECT BENCHMARK ELEVATION WAS ESTABLISHED AT TWO LOCATIONS: BM#1 NORTH FLANGE BOLT ON HYDRANT LOCATED AT THE SW CORNER OF THE SITE DUE WEST OF THE SOUTH LINE OF THE BUILDING AT THE WEST EDGE OF THE PARKING LOT ELEV = 6786.72; BM#2 FLANGE BOLT BETWEEN 'MULLER' ON HYDRANT, LOCATED AT THE WEST SIDE OF THE PLAYGROUND AREA NORTH OF THE BUILDING ELEV = 6796.57. COORDINATE AND VERIFY ALL VERTICAL AND HORIZONTAL DATA SHOWN IN SURVEY AND REPORT ANY IRREGULARITIES OR DISCREPANCIES TO ENGINEER PRIOR TO CONSTRUCTION.
17.2. HORIZONTAL CONTROL INFORMATION: HORIZONTAL CONTROL COORDINATES ARE BASED ON THE REFERENCED SURVEY AND ARE PROVIDED BY THE FOLLOWING POINTS AS SHOWN ON THE PLANS:
CP-1 N-4358.77 E7860.03 ELEV 6798.30 PIN CAP
CP-2 N-3520.24 E7381.05 ELEV 6790.02 PIN CAP
CP-3 N-2086.73 E6973.98 ELEV 6816.11 PIN CAP
CP-4 N-1685.44 E7863.27 ELEV 6812.64 PIN CAP
18. DATUM INFORMATION: THE VERTICAL CONTROL WAS BASED ON LOCAL ADJACENT PROJECT SITE DATUM. TO ACHIEVE NGVD 1929 ELEVATION SUBTRACT 0.33' FROM THE PROJECT ELEVATION. TO ACHIEVE NAVD 1988 ADD 3.8' TO PROJECT ELEVATIONS.
19. FLOOD PLAIN STATEMENT: A PORTION OF THIS PROPERTY LIES IN ZONE AE, PER FLOOD INSURANCE RATE MAP NO. 0804100561G DATED DECEMBER 7, 2018. BASE FLOOD ELEVATION HAS BEEN DETERMINED REFERENCING THE NAVD1988 ELEVATION DATUM. FIELD SURVEYING WAS NOT PERFORMED TO DETERMINE THESE ZONES.
20. THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE SHALL FURNISH THE OWNER AND ENGINEER OF RECORD A COMPLETE SET OF CONSTRUCTION RECORD DRAWINGS ("AS-BUILTS") FOR THE CONSTRUCTED IMPROVEMENTS. THE AS-BUILT SET SHALL SHOW SUFFICIENT DIMENSION TIES TO PERMANENT SURFACE FEATURES OR NORTHING/EASTING POINTS FOR ALL BURIED FACILITIES TO ALLOW FOR FUTURE LOCATING. THE AS-BUILT SET SHALL SHOW AS-BUILT CONTOURS AND ELEVATIONS OF ASPHALT AND CONCRETE FLATWORK, FLOWLINES, GRADE BREAKS, STAIRS, CROSS-SLOPES, HIGH AND LOW POINTS, AND ADDITIONAL ELEVATIONS TO DEMONSTRATE IMPROVEMENTS HERE CONSTRUCTED PER PLANS. THE AS-BUILT SET SHALL SHOW ELEVATIONS OF ALL DETENTION/WATER QUALITY FACILITIES, INCLUDING BUT NOT LIMITED TO BERMS, SPILLWAYS, BASIN BOTTOM, PIPE INVERTS, AND CONTROL STRUCTURE FEATURES (AS SURVEYED AND STAMPED BY A CERTIFIED P.L.S.). THE AS-BUILT SET SHALL ALSO INCLUDE ELEVATIONS OF MANHOLES, PIPES, INLETS, GRATES, AND SIZES OF ALL UTILITIES. THE AS-BUILT SET SHALL SHOW ANY AND ALL VARIATIONS FROM THE APPROVED PLAN. ENGINEER WILL PRODUCE FINAL RECORD DRAWINGS.
21. COORDINATE ALL CONSTRUCTION ACTIVITIES WITH DISTRICT 49 LOT OWNER PRIOR TO CONSTRUCTION.
22. NO ASPHALT BATCH PLANTS SHALL BE UTILIZED ONSITE.
23. EXISTING NATIVE VEGETATION IS MAINLY COMPRISED OF GRASSES, BUSHES, AND SHRUBS THAT MAINTAIN APPROXIMATELY 70% GROUND COVER.



D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80837

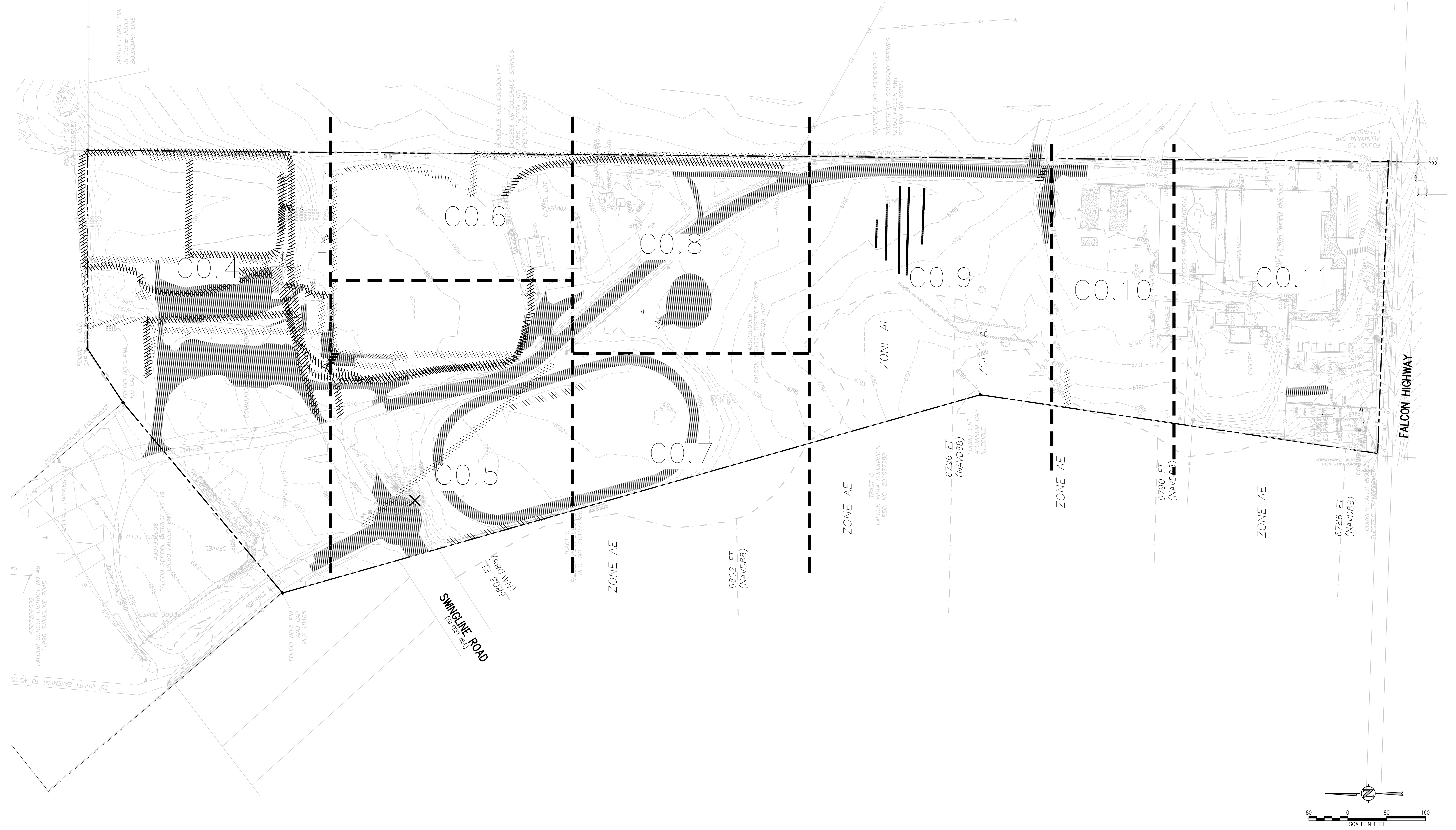


LEGEND, NOTES AND ABBREVIATIONS

DATE: 01/25/2023
REVISIONS

CHECKED BY: TWK/HMB
DESIGNED BY: CWK
CONSTRUCTION DOCUMENTS

C0.1



D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831



SHEET TITLE
OVERALL DEMOLITION PLAN

WTA PROJECT NUMBER
2021-041.00

DATE
01/25/2023

#	DATE	DESCRIPTION
1		ISSUED FOR CONSTRUCTION DOCUMENTS

DESIGNED BY: **WVW/HCM**
CHECKED BY: **TWW/AMB**
DATE: **01/25/2023**

ISSUED FOR CONSTRUCTION DOCUMENTS

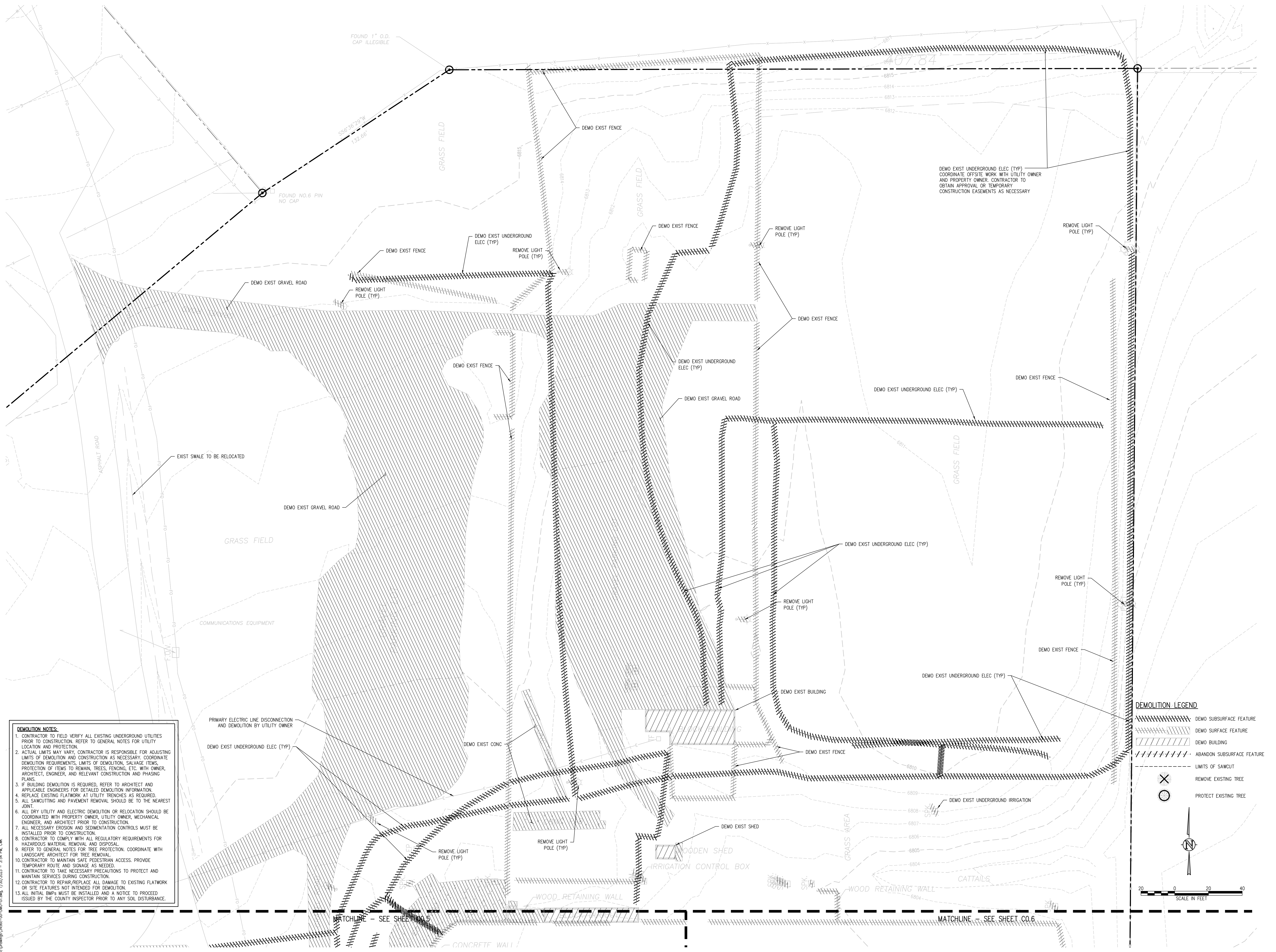
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- DEMOLITION NOTES:**
- CONTRACTOR TO FIELD VERIFY ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. REFER TO GENERAL NOTES FOR UTILITY LOCATION AND PROTECTION.
 - ACTUAL LIMITS MAY VARY. CONTRACTOR IS RESPONSIBLE FOR ADJUSTING LIMITS OF DEMOLITION AND CONSTRUCTION AS NECESSARY. COORDINATE DEMOLITION REQUIREMENTS, LIMITS OF DEMOLITION, SALVAGE ITEMS, PROTECTION OF ITEMS TO REMAIN, TREES, FENCING, ETC. WITH OWNER, ARCHITECT, ENGINEER, AND RELEVANT CONSTRUCTION AND PHASING PLANS.
 - IF BUILDING DEMOLITION IS REQUIRED, REFER TO ARCHITECT AND APPLICABLE ENGINEERS FOR DETAILED DEMOLITION INFORMATION.
 - REPLACE EXISTING FLATWORK AT UTILITY TRENCHES AS REQUIRED.
 - ALL SAWCUTTING AND PAVEMENT REMOVAL SHOULD BE TO THE NEAREST JOINT.
 - ALL DRY UTILITY AND ELECTRIC DEMOLITION OR RELOCATION SHOULD BE COORDINATED WITH PROPERTY OWNER, UTILITY OWNER, MECHANICAL ENGINEER, AND ARCHITECT PRIOR TO CONSTRUCTION.
 - ALL NECESSARY EROSION AND SEDIMENTATION CONTROLS MUST BE INSTALLED PRIOR TO CONSTRUCTION.
 - CONTRACTOR TO COMPLY WITH ALL REGULATORY REQUIREMENTS FOR HAZARDOUS MATERIAL REMOVAL AND DISPOSAL.
 - REFER TO GENERAL NOTES FOR TREE PROTECTION. COORDINATE WITH LANDSCAPE ARCHITECT FOR TREE REMOVAL.
 - CONTRACTOR TO MAINTAIN SAFE PEDESTRIAN ACCESS. PROVIDE TEMPORARY ROUTE AND SIGNAGE AS NEEDED.
 - CONTRACTOR TO TAKE NECESSARY PRECAUTIONS TO PROTECT AND MAINTAIN SERVICES DURING CONSTRUCTION.
 - CONTRACTOR TO REPAIR/REPLACE ALL DAMAGE TO EXISTING FLATWORK OR SITE FEATURES NOT INTENDED FOR DEMOLITION.
 - ALL INITIAL BMPs MUST BE INSTALLED AND A NOTICE TO PROCEED ISSUED BY THE COUNTY INSPECTOR PRIOR TO ANY SOIL DISTURBANCE.

DEMOLITION LEGEND

- DEMO SUBSURFACE FEATURE
- DEMO SURFACE FEATURE
- DEMO BUILDING
- ABANDON SUBSURFACE FEATURE
- LIMITS OF SAWCUT
- REMOVE EXISTING TREE
- PROTECT EXISTING TREE

D49 TRANSPORTATION CENTER SCHOOL DISTRICT NO 49 11971 SWINGLINE ROAD PEYTON, CO 80831




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SCALE IN FEET

20 0 20 40


PROFESSIONAL ENGINEER
0125/23

PROJECT NUMBER
2021-041.00

DATE
01/25/2023

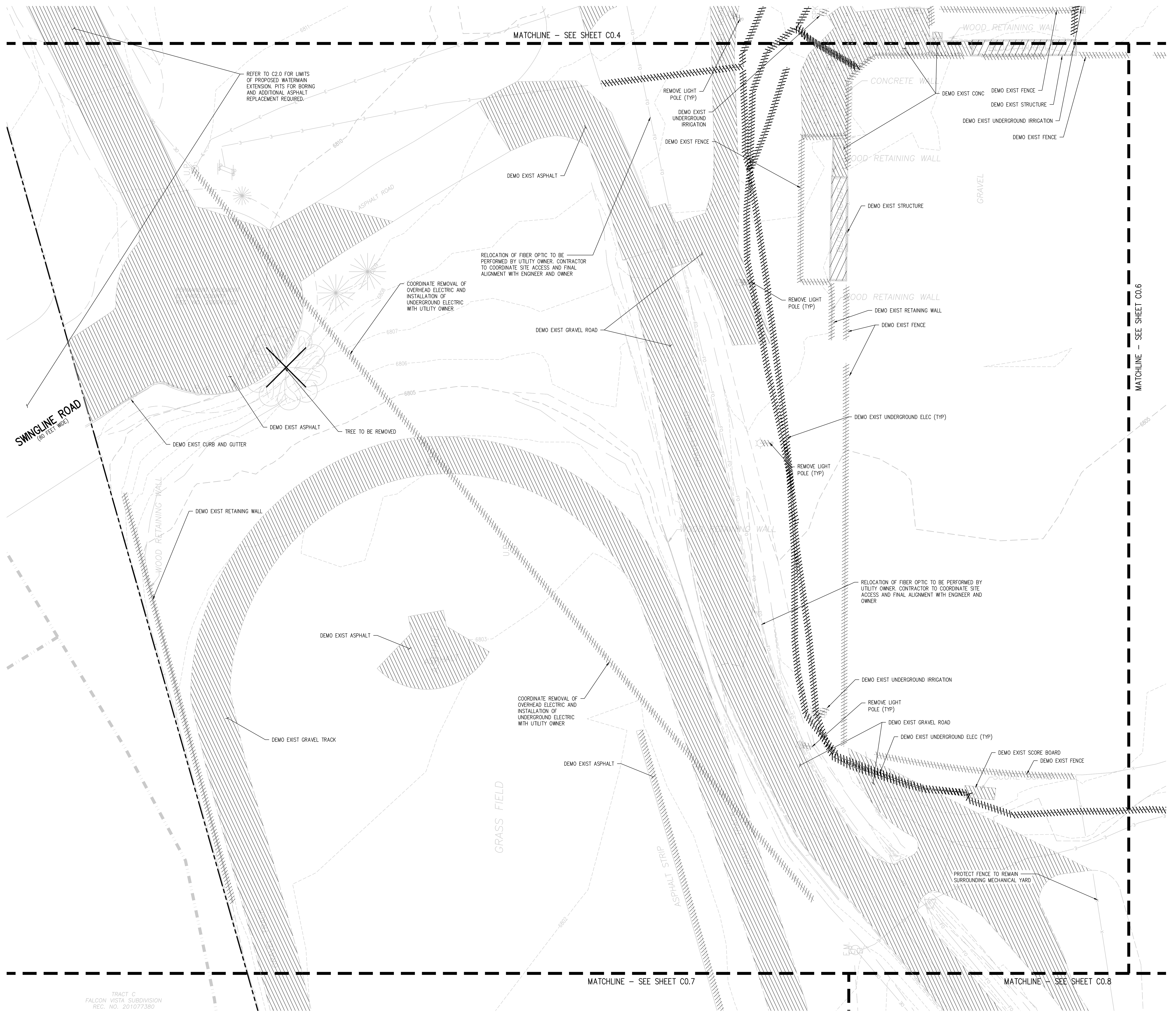
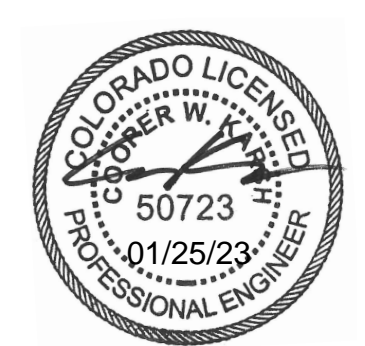
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ISSUED FOR
CONSTRUCTION DOCUMENTS

SCALE
C0.4

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**D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49**
11971 SWINGLINE ROAD
PEYTON, CO 80831

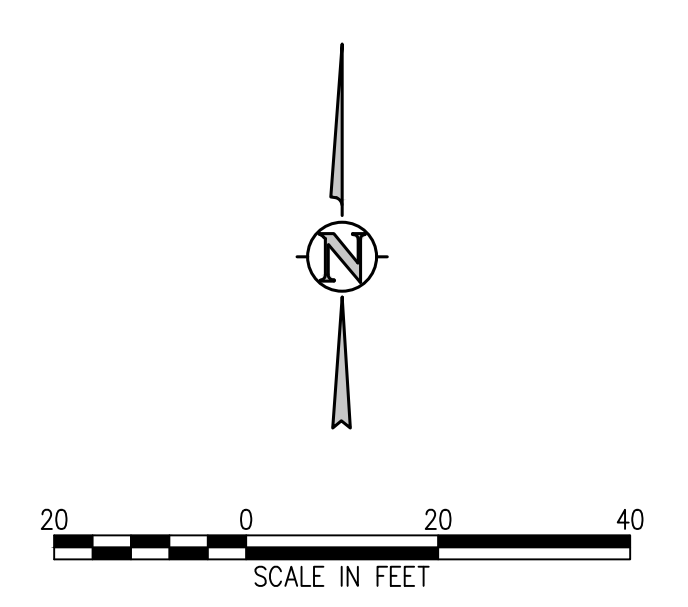


DEMOLITION NOTES:

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DEMOLITION LEGEND

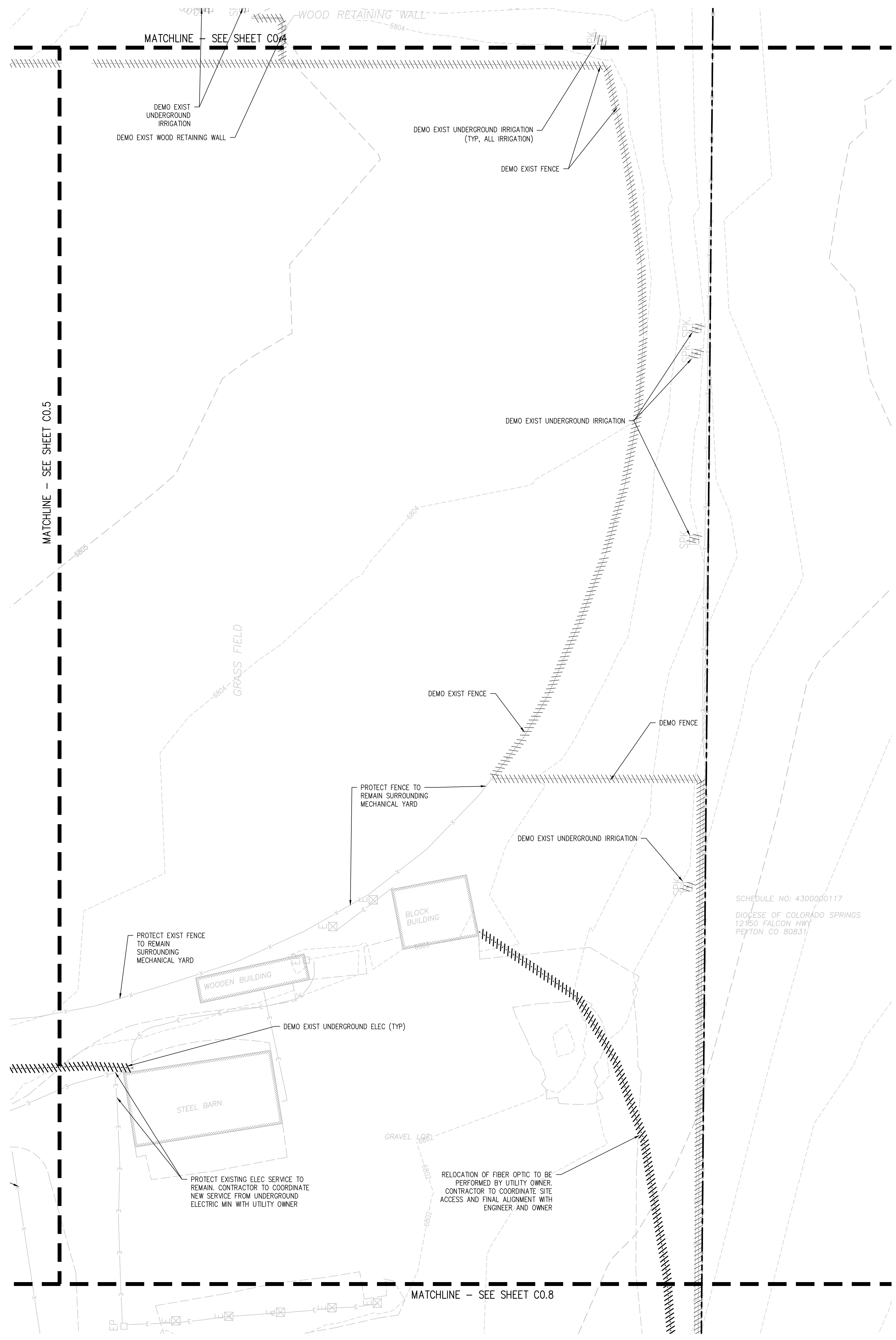
	DEMOLITION SUBSURFACE FEATURE
	DEMOLITION SURFACE FEATURE
	DEMOLITION BUILDING
	ABANDON SUBSURFACE FEATURE
	LIMITS OF SAWCUT
	REMOVE EXISTING TREE
	PROTECT EXISTING TREE



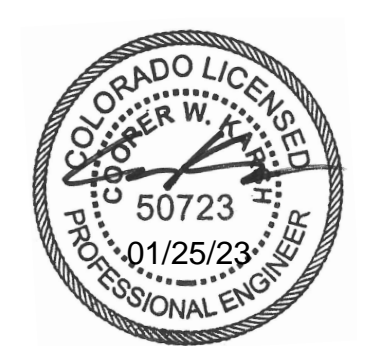
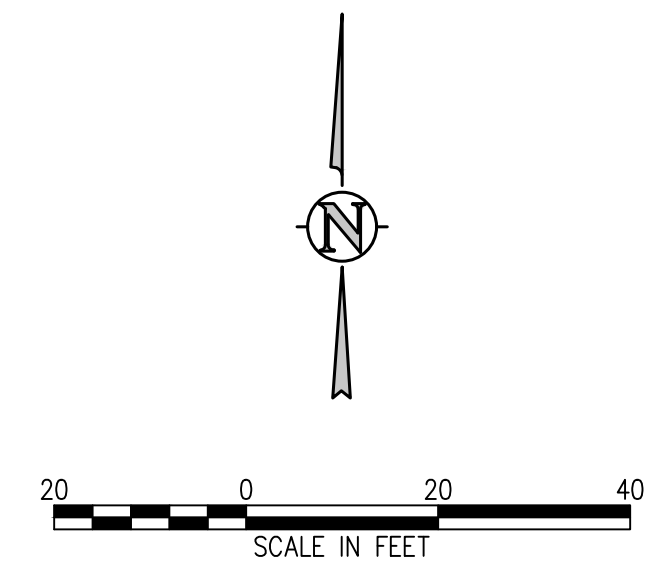
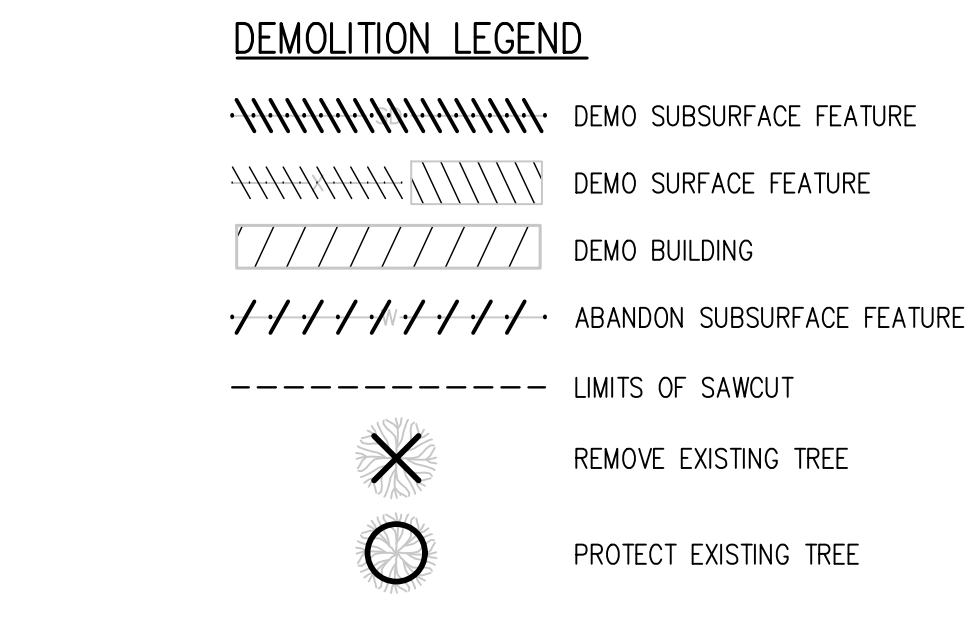
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TRACT C
FALCON VISTA SUBDIVISION
REC. NO. 201077380

D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
 11971 SWINGLINE ROAD
 PEYTON, CO 80831



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PROJECT NUMBER
2021-041-00

SHEET TITLE
DEMOLITION PLAN C

DATE
01/25/2023

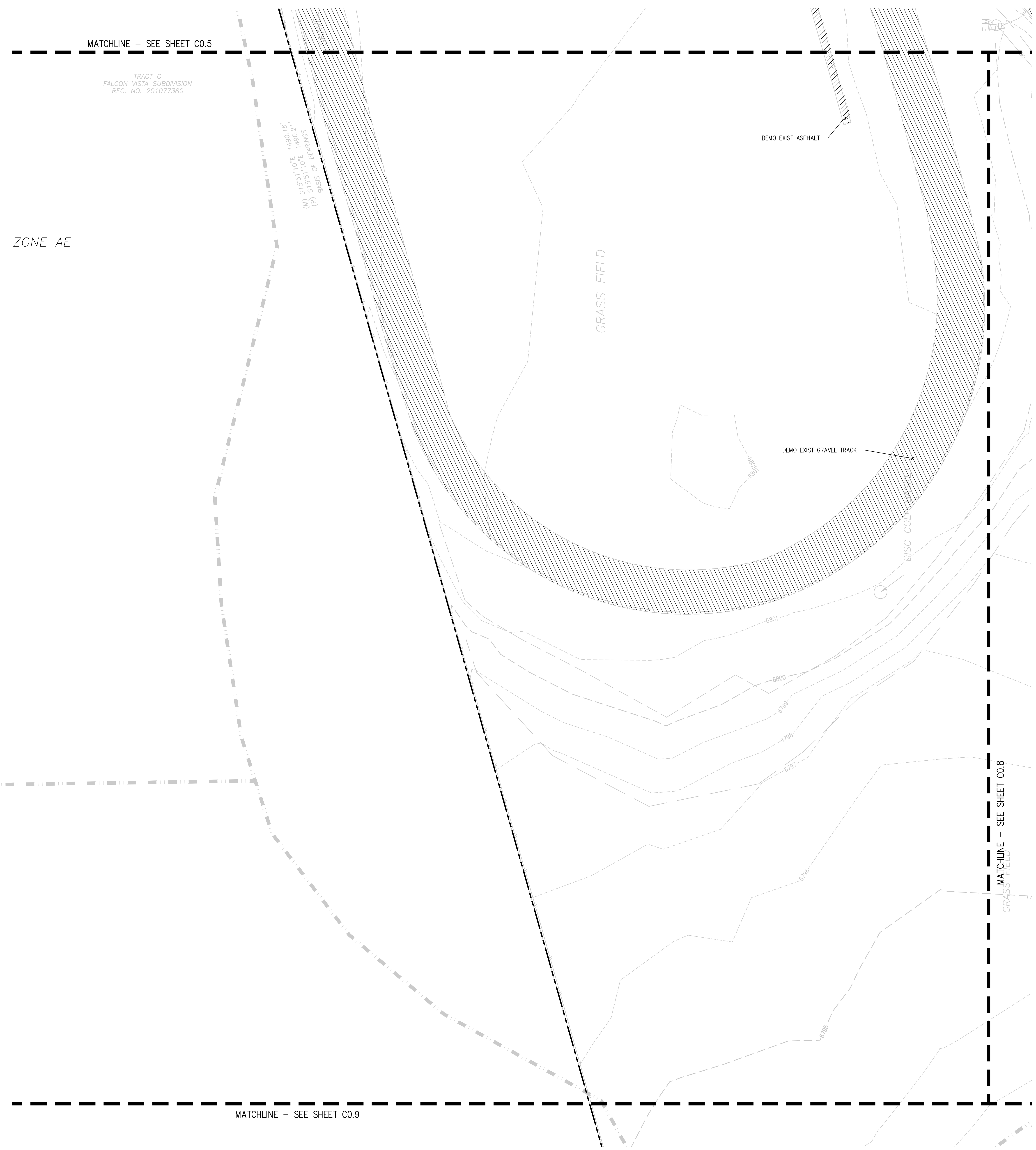
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DESIGNED BY: CWK/HCM
 CHECKED BY: TWK/AMB
 DRAWN BY: CWK

ISSUED FOR
CONSTRUCTION DOCUMENTS

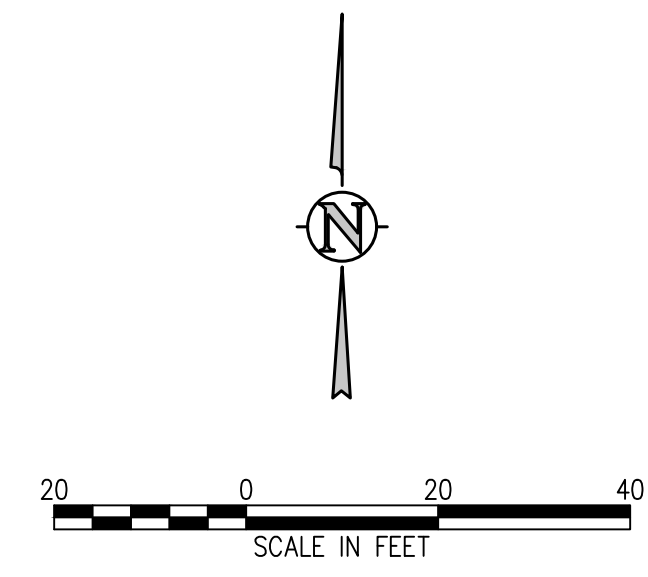
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DEMOLITION LEGEND

	DEMO SUBSURFACE FEATURE
	DEMO SURFACE FEATURE
	DEMO BUILDING
	ABANDON SUBSURFACE FEATURE
	LIMITS OF SAWCUT
	REMOVE EXISTING TREE
	PROTECT EXISTING TREE



D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
 11971 SWINGLINE ROAD
 PEYTON, CO 80831



SHEET TITLE
DEMOLITION PLAN D

WTA PROJECT NUMBER
2021-041.00
 DATE
01/25/2023

#	DATE	DESCRIPTION

DESIGNED BY: **CWK/HCM**
 CHECKED BY: **TWW/AMB**
 DRAWN BY: **CWK**

ISSUED FOR
CONSTRUCTION DOCUMENTS
 SHEET NO.
C0.7

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SHEET TITLE
DEMOLITION
PLAN E

WTA PROJECT NUMBER
2021-041.00
DATE
01/25/2023
REVISIONS

#	DATE	DESCRIPTION
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DRAWN APPROVAL: **CWK/HCM**
CHECKED BY: **TWH/AHB**
DATE: **CWK**

ISSUED FOR
CONSTRUCTION
DOCUMENTS

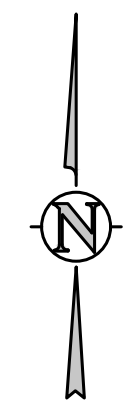


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DEMOLITION LEGEND

- DEMO SUBSURFACE FEATURE
- DEMO SURFACE FEATURE
- DEMO BUILDING
- ABANDON SUBSURFACE FEATURE
- LIMITS OF SAWCUT
- REMOVE EXISTING TREE
- PROTECT EXISTING TREE



D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831



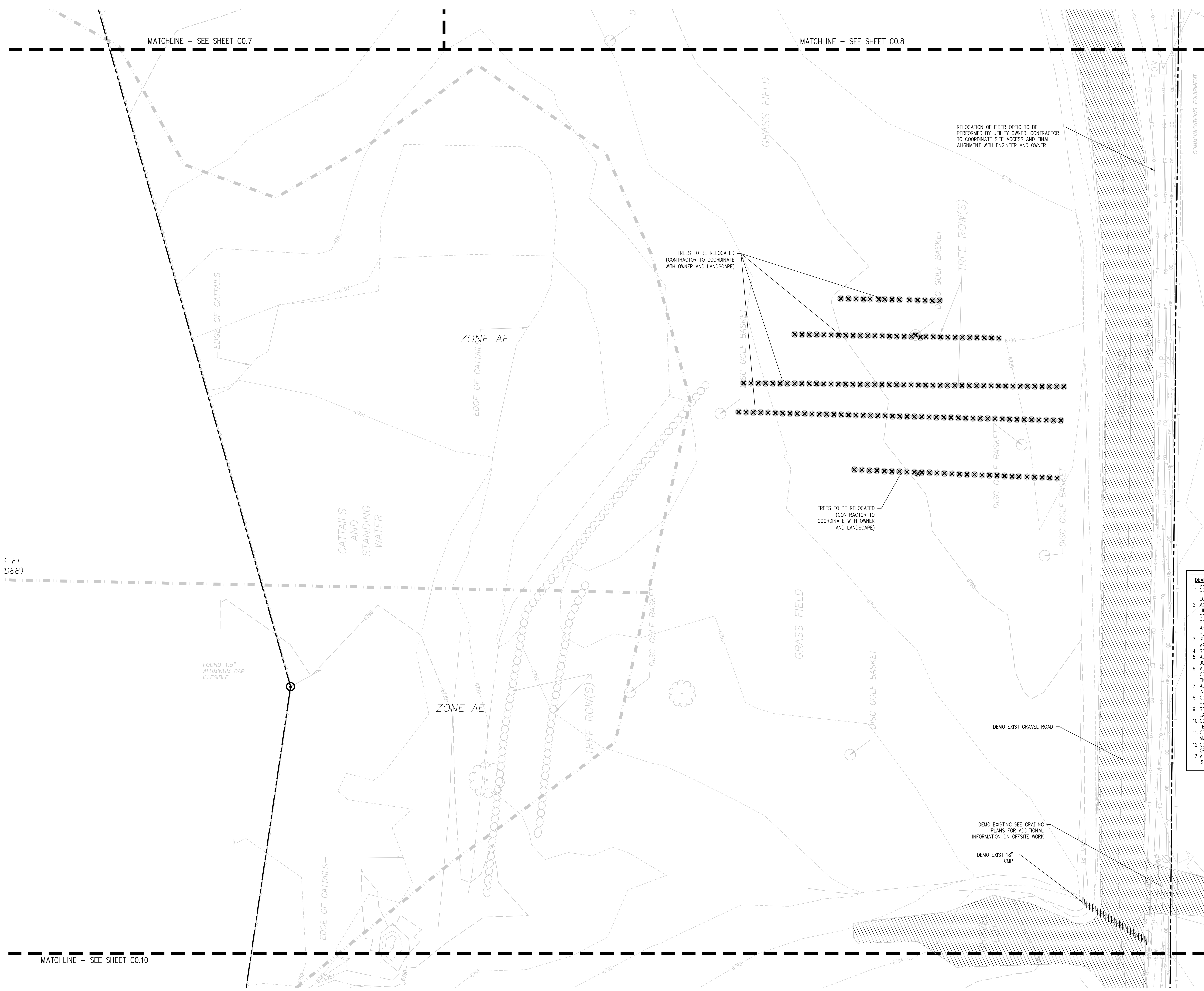
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DATE
01/25/2023

REVISIONS

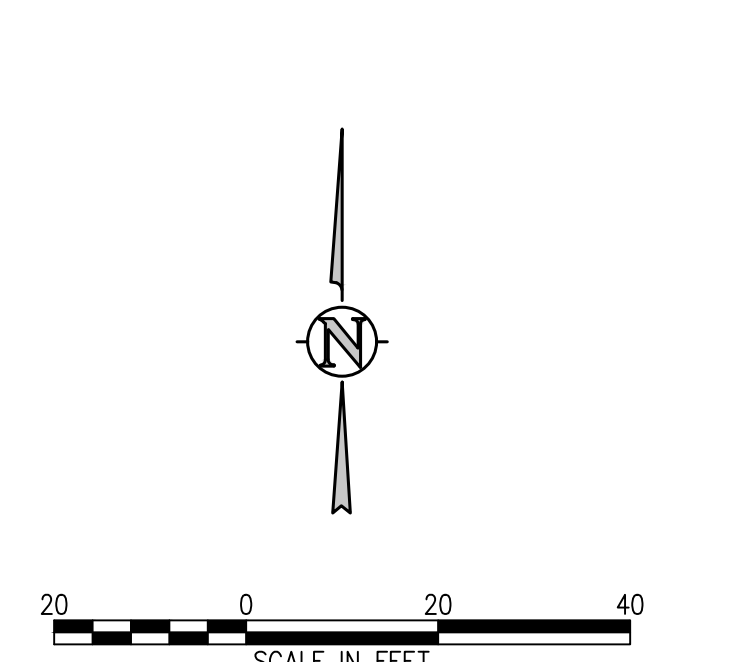
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- DEMOSUBSURFACE FEATURE
 - DEMO SURFACE FEATURE
 - DEMO BUILDING
 - ABANDON SUBSURFACE FEATURE
 - LIMITS OF SAWCUT
 - REMOVE EXISTING TREE
 - PROTECT EXISTING TREE

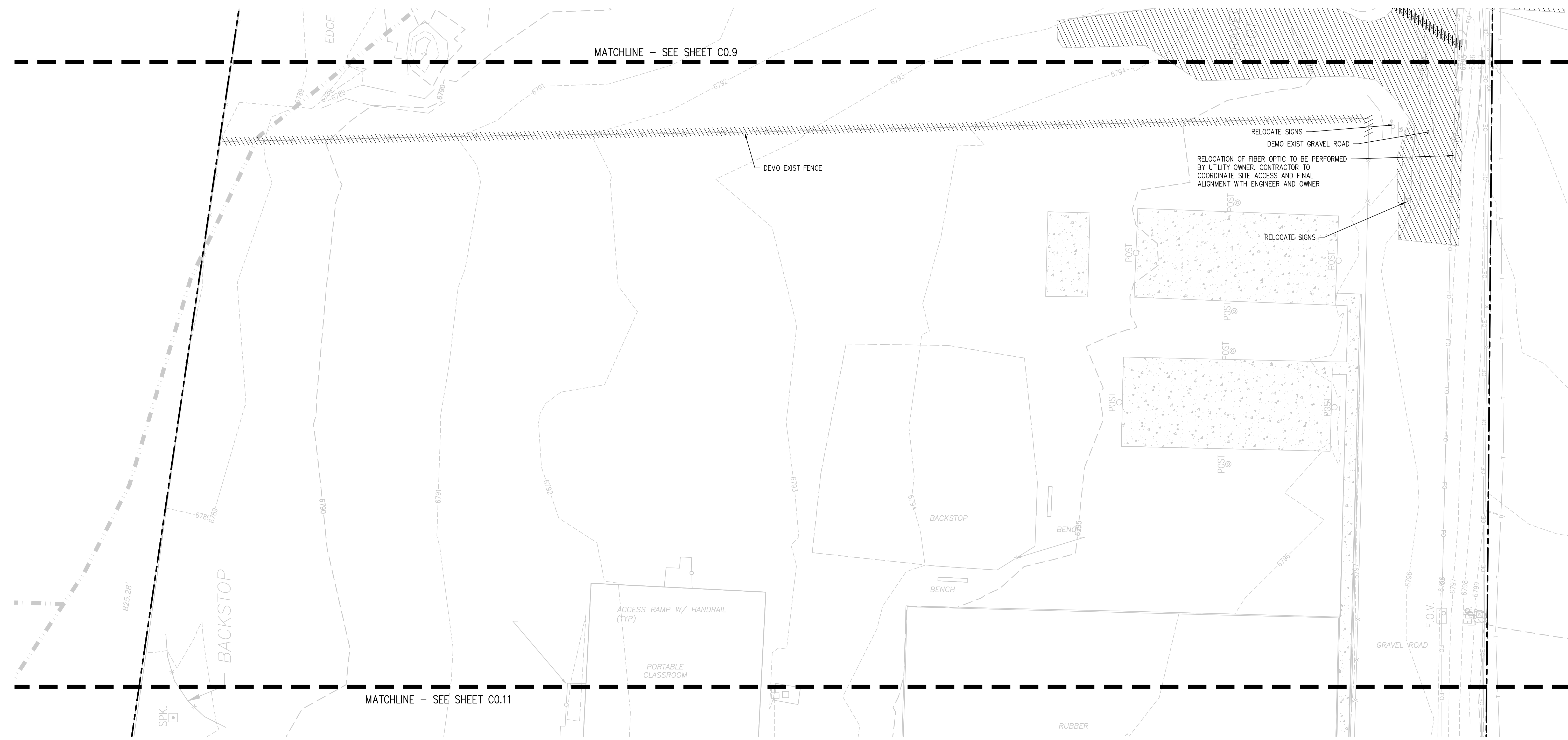


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MATCHLINE - SEE SHEET C0.8

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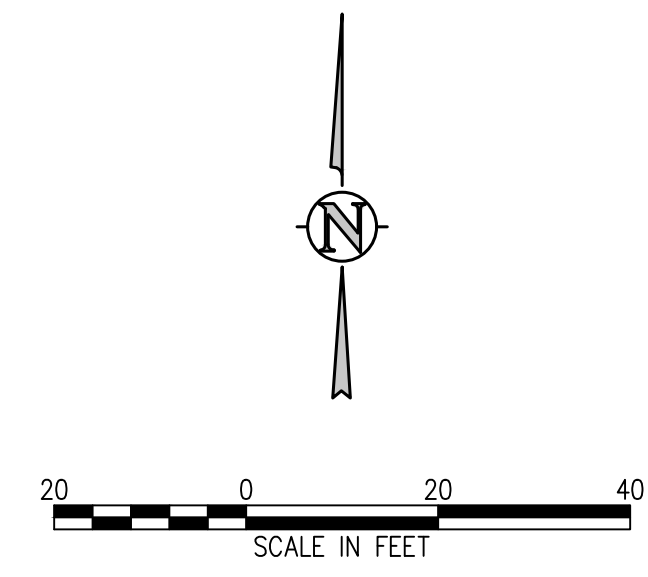
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D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831

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- DEMOLITION LEGEND**
- DEMO SUBSURFACE FEATURE
 - ===== DEMO SURFACE FEATURE
 - ////// DEMO BUILDING
 - ABANDON SUBSURFACE FEATURE
 - LIMITS OF SAWCUT
 - ⊗ REMOVE EXISTING TREE
 - PROTECT EXISTING TREE



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SHEET TITLE
DEMOLITION PLAN G

WTA PROJECT NUMBER
2021-041.00

DATE
01/25/2023

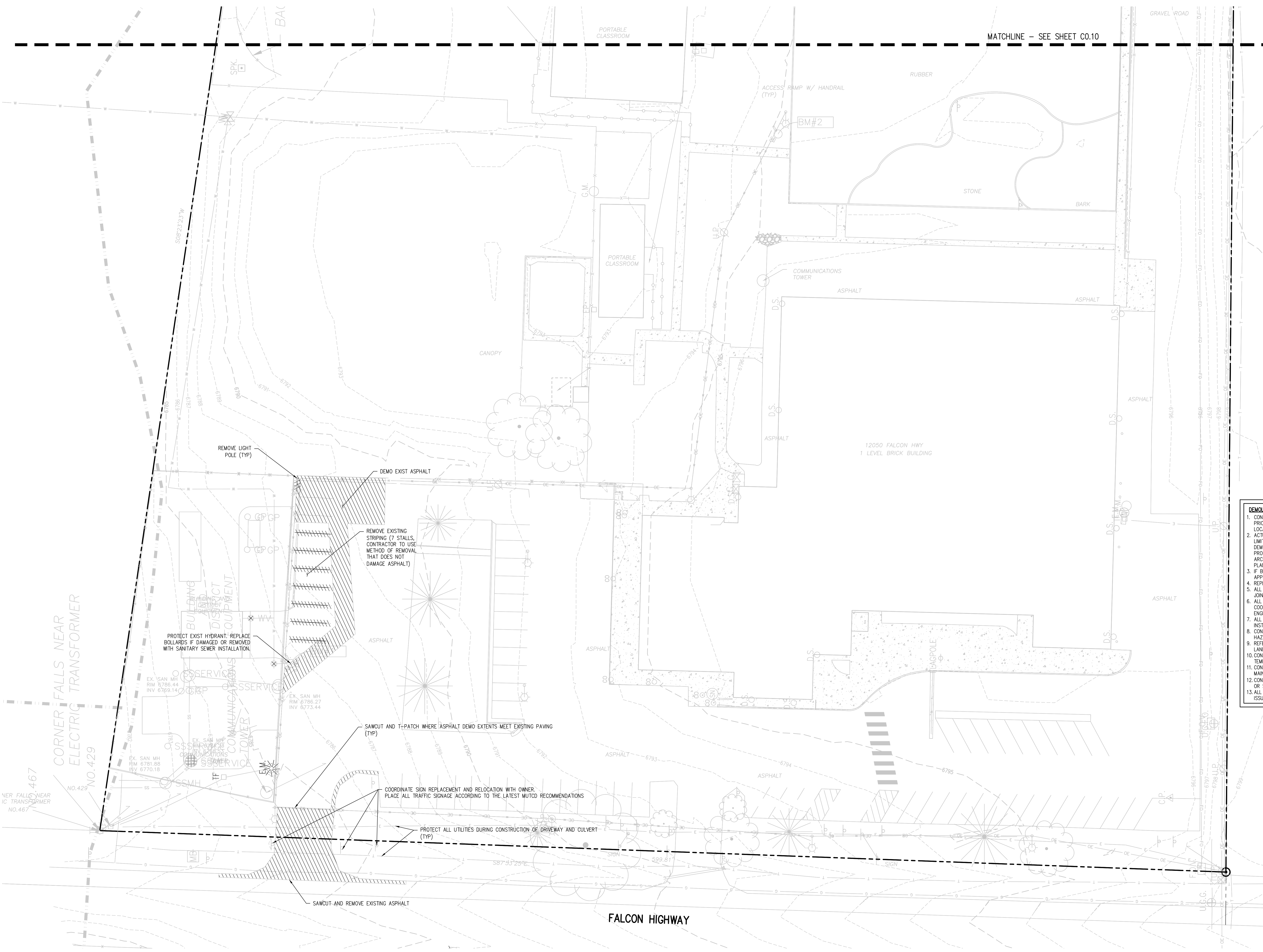
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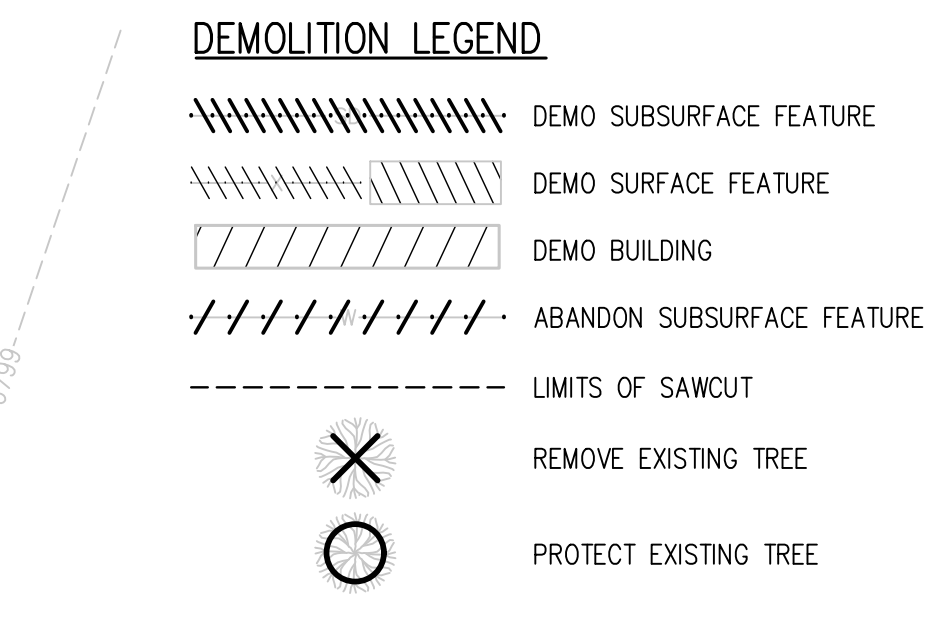
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 DRAWN BY: **TWK/AMB**
 CHECKED BY: **CWK**

ISSUED FOR
CONSTRUCTION DOCUMENTS

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- DEMOLITION NOTES:**
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D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831



PROJECT TITLE
DEMOLITION PLAN H

WTA PROJECT NUMBER
2021-041.00

REVISIONS

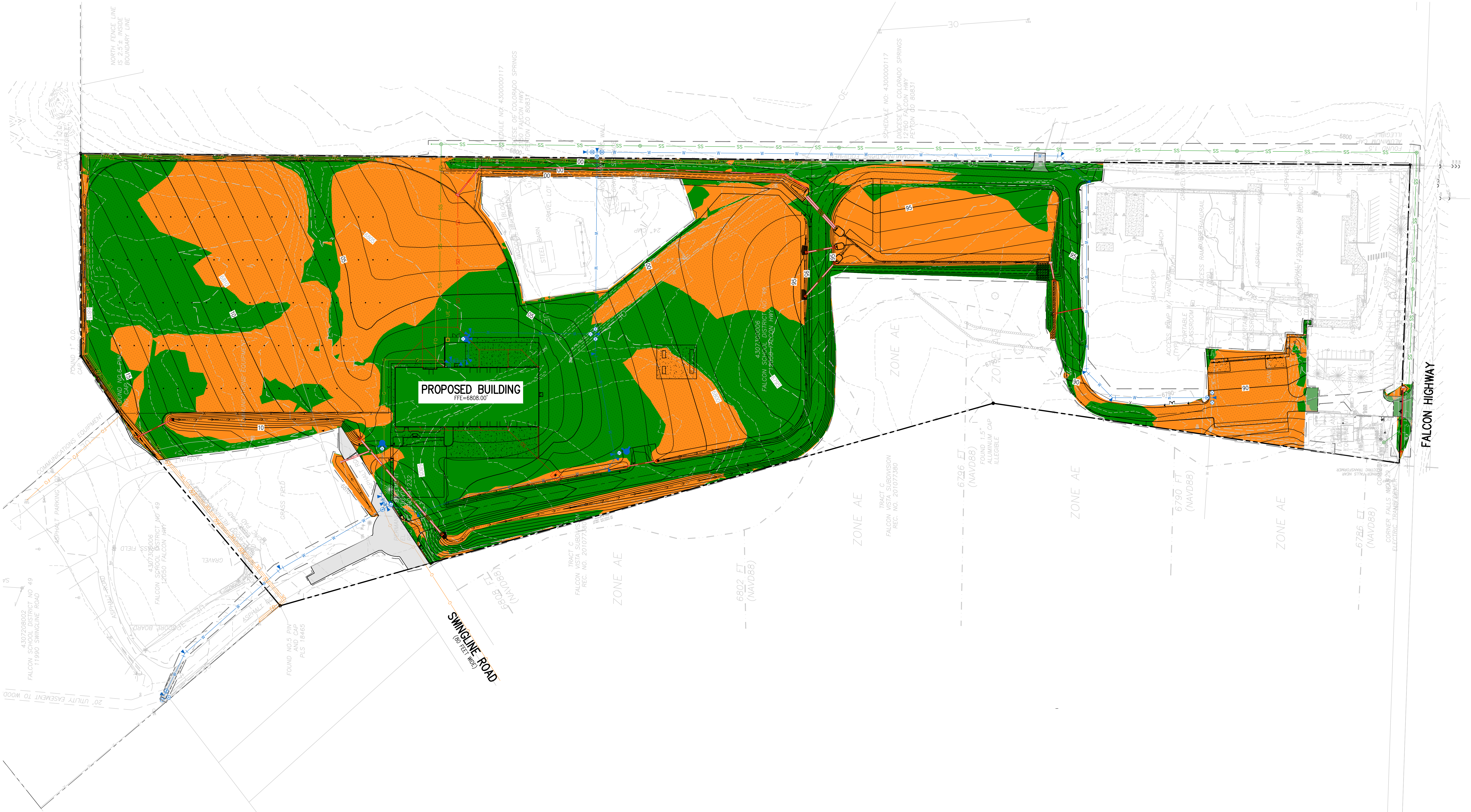
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CHECKED BY: **TWW/HMB**
DATE: **CWK**

ISSUED FOR: **CONSTRUCTION DOCUMENTS**

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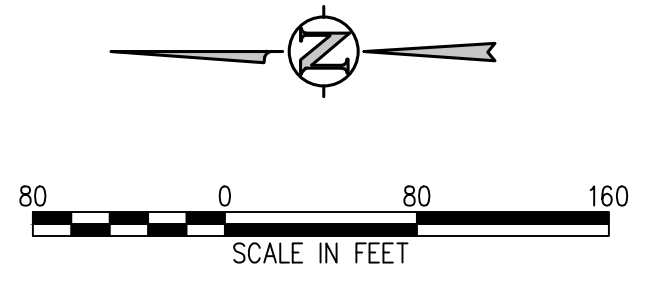
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PROPOSED BUILDING
PFE=6808.00'

CUT & FILL DIAGRAM LEGEND

- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- PROPOSED INDEX CONTOUR
- PROPOSED INTERMEDIATE CONTOUR
- LIMITS OF WORK
- AREAS OF CUT
- AREAS OF FILL



EROSION AND SEDIMENTATION NOTES:

- CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL CONTROLS DURING INITIAL, INTERIM, AND FINAL CONDITIONS.
- ALL CONTROLS SHALL BE INSTALLED WITHIN THE PROPERTY LINES UNLESS OTHERWISE SPECIFIED. WHEN CONSTRUCTION ACTIVITIES DISTURB ADJACENT AND/OR RIGHT-OF-WAY PROPERTIES, COORDINATION WITH PROPERTY OWNERS IS REQUIRED PRIOR TO CONSTRUCTION.

D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831



SHEET TITLE
CUT & FILL EXHIBIT

MTA PROJECT NUMBER
2021-041.00
DATE
01/25/2023

REVISIONS

#	DATE	DESCRIPTION

DESIGNED BY: **CWK/HCM**
CHECKED BY: **TWK/AMB**
DATE: **CWK**

ISSUED FOR
CONSTRUCTION DOCUMENTS

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D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
 11971 SWINGLINE ROAD
 PEYTON, CO 80831



SHEET TITLE
INITIAL EROSION CONTROL PLAN A

WTA PROJECT NUMBER
2021-041.00

DATE
01/25/2023

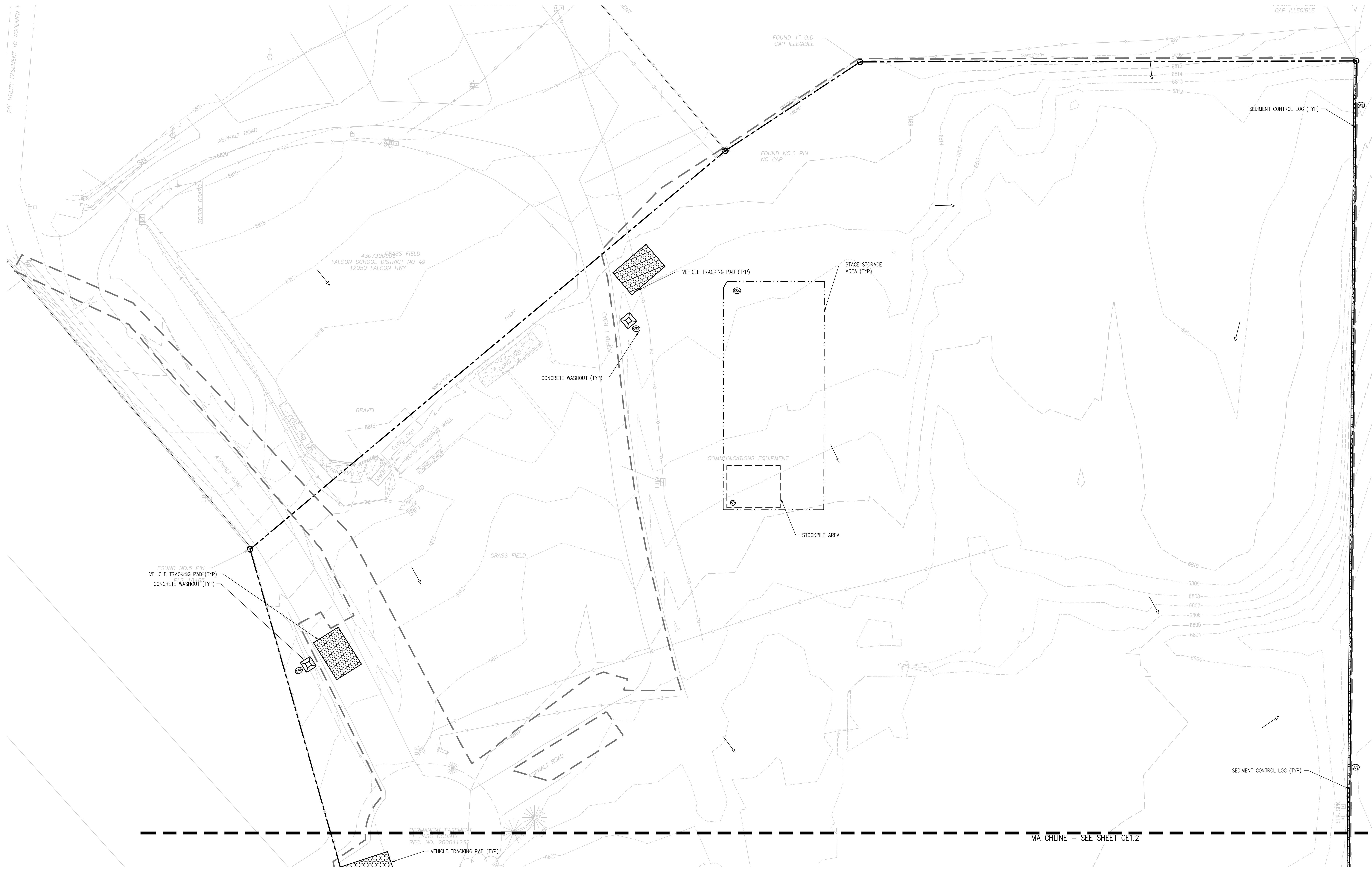
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DESIGNED BY: **T.W. AMB**
 CHECKED BY: **CWK**

ISSUED FOR:
CONSTRUCTION DOCUMENTS

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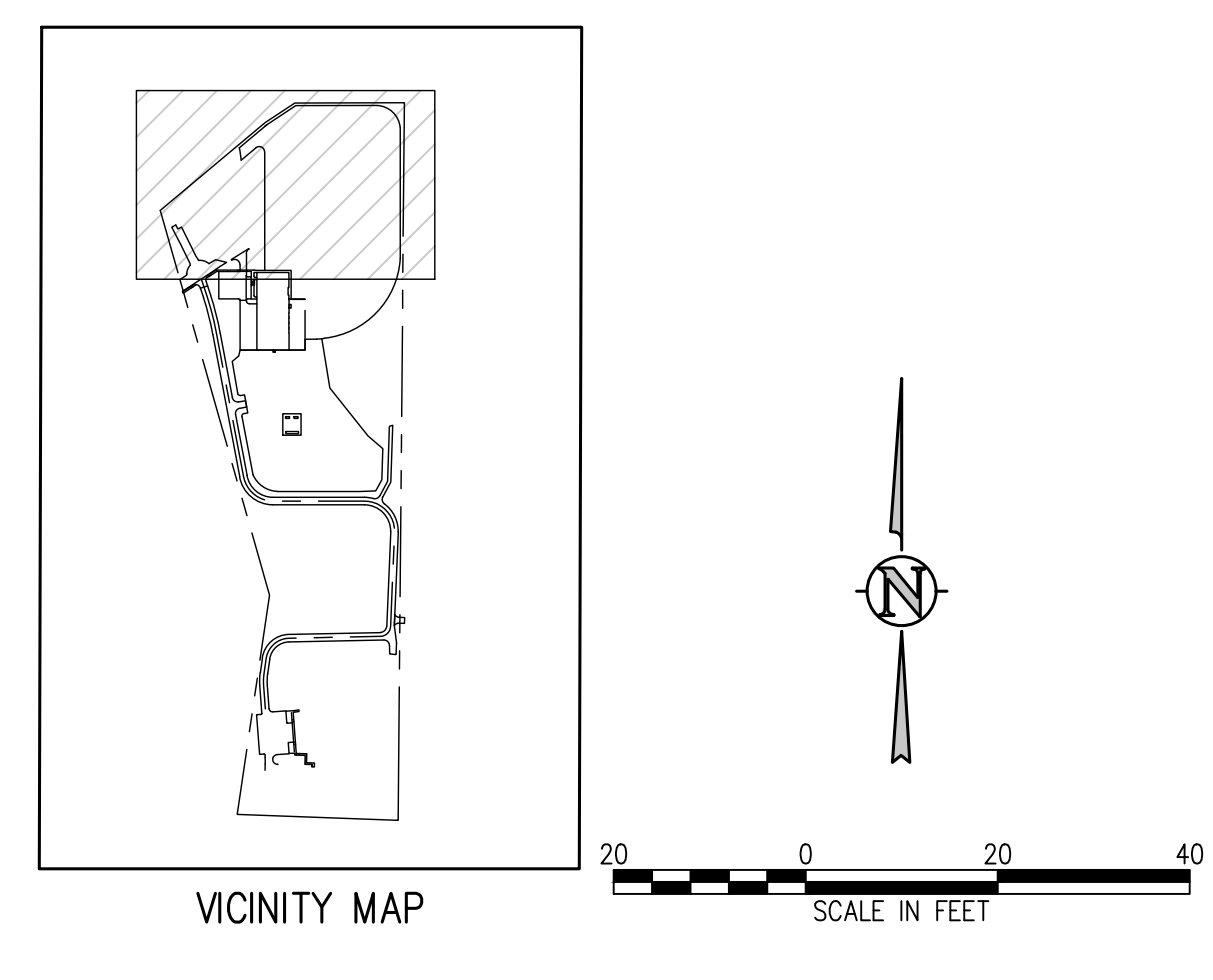


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EROSION CONTROL LEGEND

	EXISTING INDEX CONTOUR		SILT FENCE		DIRECTION OF FLOW (HISTORIC)
	EXISTING INTERMEDIATE CONTOUR		CONSTRUCTION FENCE		DIRECTION OF FLOW (DEVELOPED)
	PROPOSED INDEX CONTOUR		TEMPORARY SLOPE DRAIN		CONCRETE WASHOUT AREA
	PROPOSED INTERMEDIATE CONTOUR		DIVERSION DITCH		TEMPORARY SEDIMENTATION POND
	LIMITS OF CONSTRUCTION/DISTURBANCE		SEDIMENT CONTROL LOG		EROSION CONTROL BLANKET
	INLET PROTECTION		CURB SOCK		CHANNEL STABILIZATION MATTING
	OUTLET PROTECTION		ROCK CHECK DAM		SURFACE ROUGHENING
	VEHICLE TRACKING CONTROL		SEEDING AND MULCHING		STAGE STORAGE AREA
	STRAW BALE EROSION BARRIER				
	STOCKPILE AREA				



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D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
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PROJECT NUMBER: **2021-041.00**
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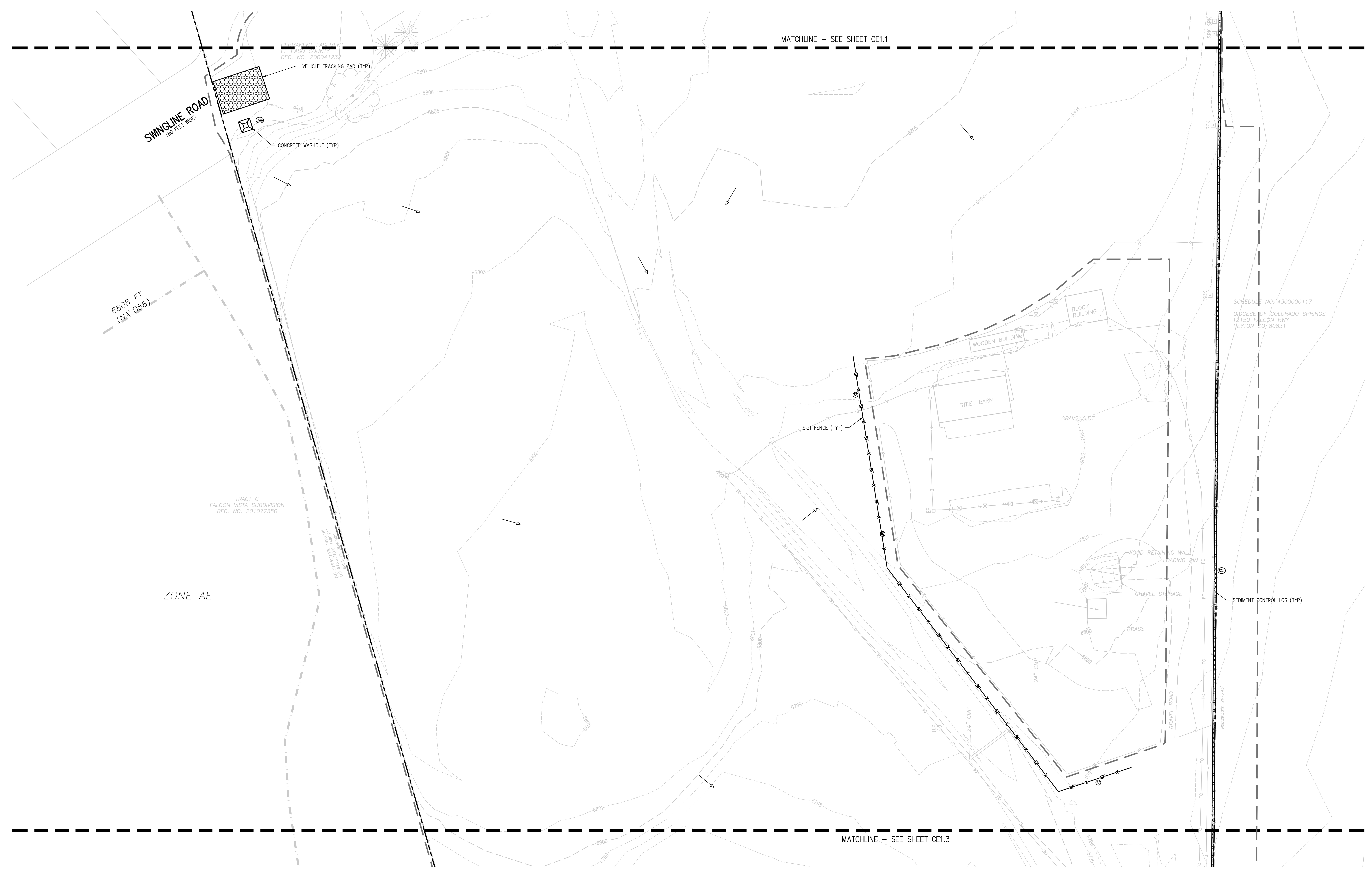
REVISIONS:

#	DATE	DESCRIPTION

DESIGNED BY: **CKW/HCM**
DRAWN BY: **TWW/AMB**
CHECKED BY: **CKW**

ISSUED FOR: **CONSTRUCTION DOCUMENTS**

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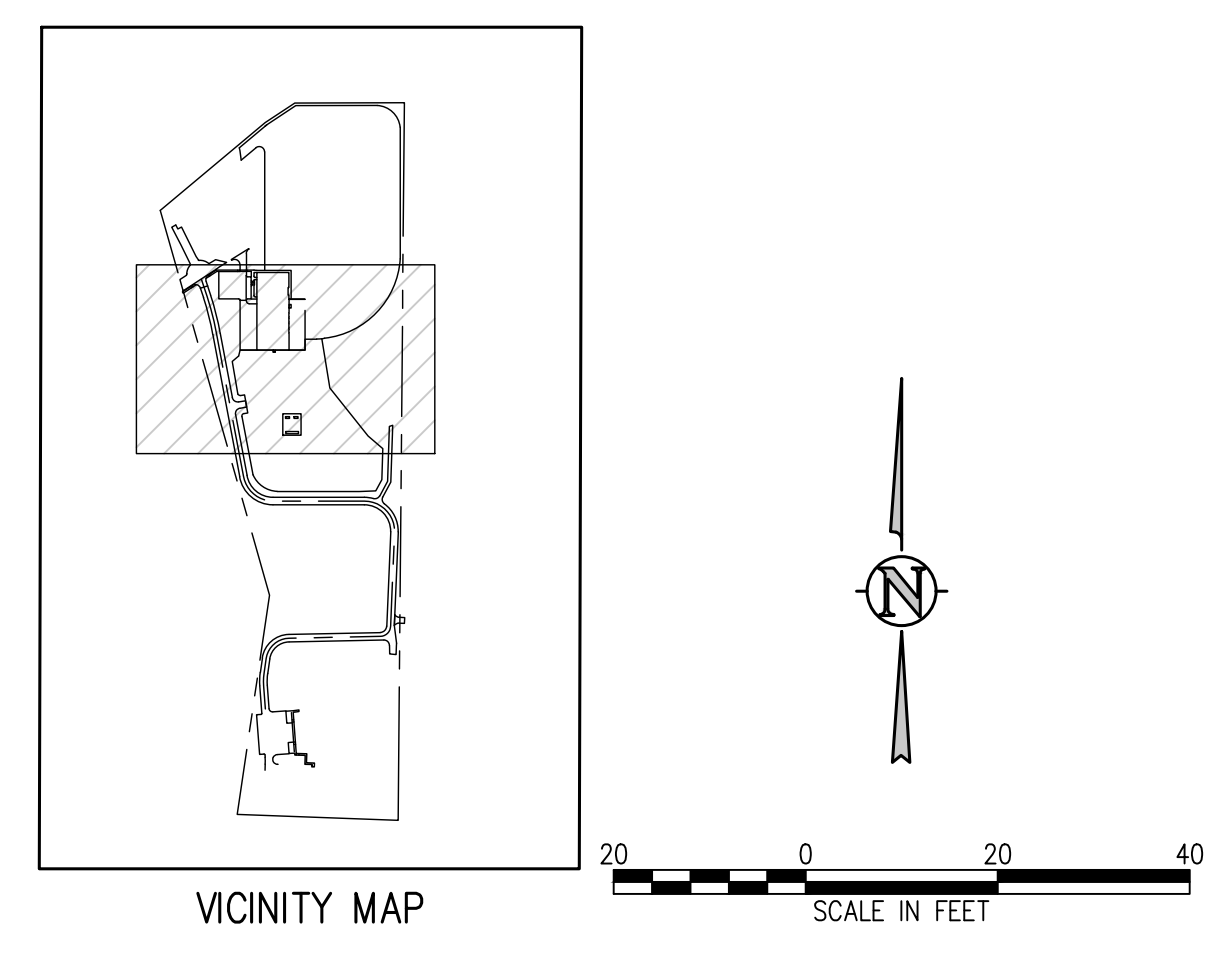


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	PROPOSED INTERMEDIATE CONTOUR		DIVERSION DITCH		CONCRETE WASHOUT AREA
	LIMITS OF CONSTRUCTION/DISTURBANCE		SEDIMENT CONTROL LOG		TEMPORARY SEDIMENTATION POND
	INLET PROTECTION		CURB SOCK		EROSION CONTROL BLANKET
	OUTLET PROTECTION		ROCK CHECK DAM		CHANNEL STABILIZATION MATTING
	VEHICLE TRACKING CONTROL		SEEDING AND MULCHING		SURFACE ROUGHENING
	STRAW BALE EROSION BARRIER		STAGE STORAGE AREA		STAGE STORAGE AREA
	STOCKPILE AREA				



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D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831



SHEET TITLE
INITIAL EROSION CONTROL PLAN C

WTA PROJECT NUMBER
2021-041.00

DATE
01/25/2023

REVISIONS

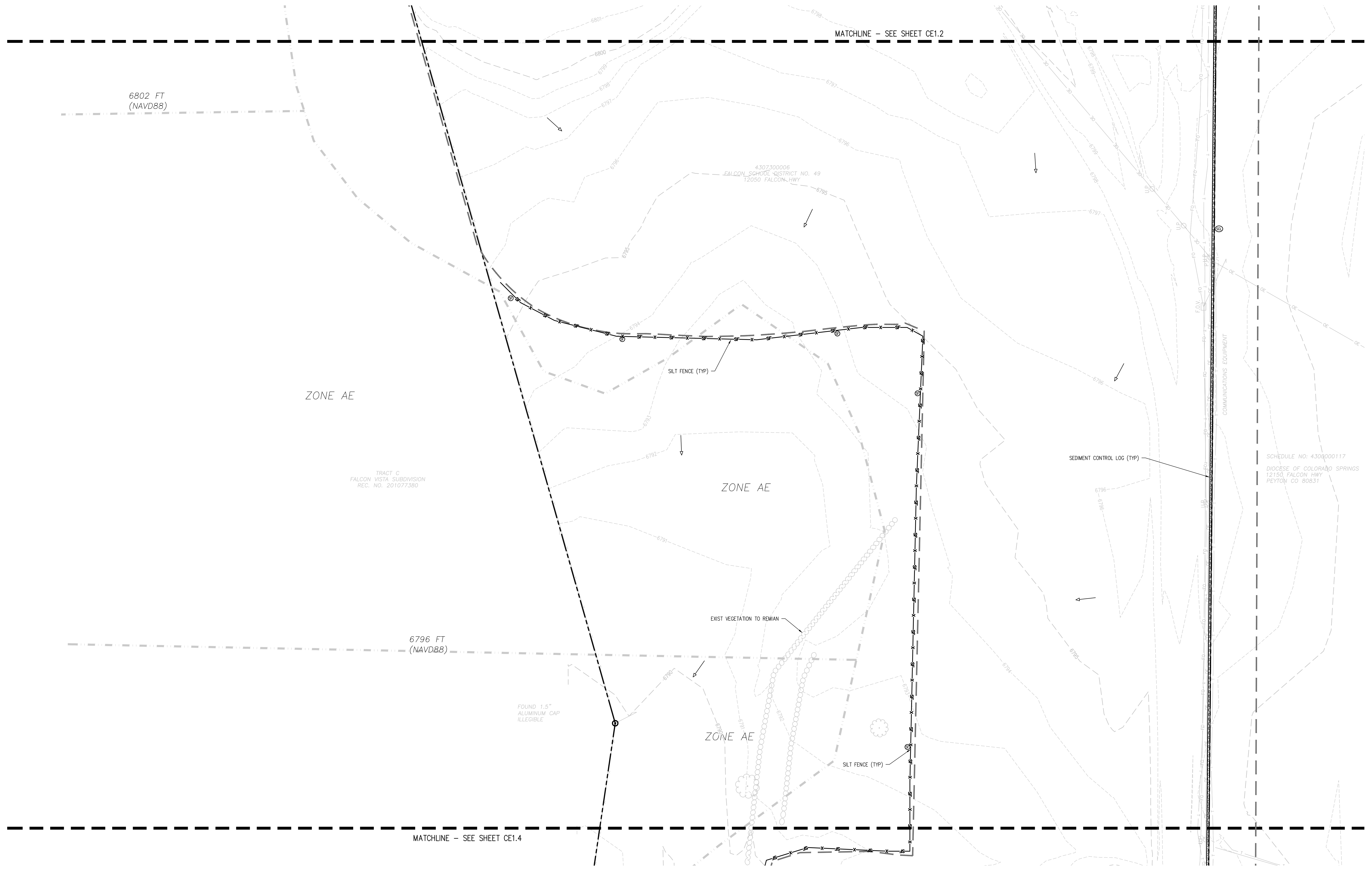
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DRAWN BY: **TWW/AMB**
CHECKED BY: **CKW**

ISSUED FOR
CONSTRUCTION DOCUMENTS

DATE: **01/25/2023**

CE1.3

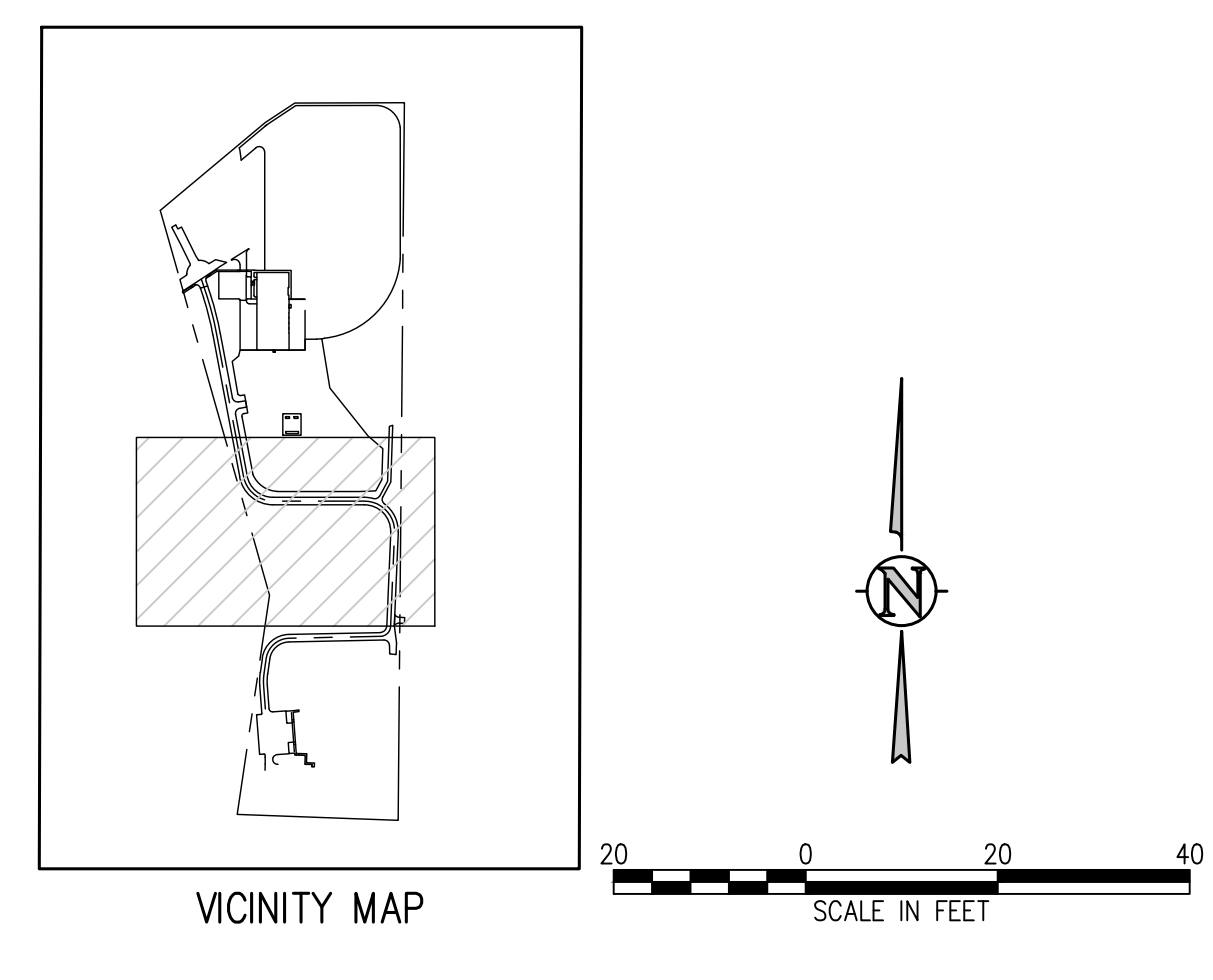


EROSION AND SEDIMENTATION NOTES:

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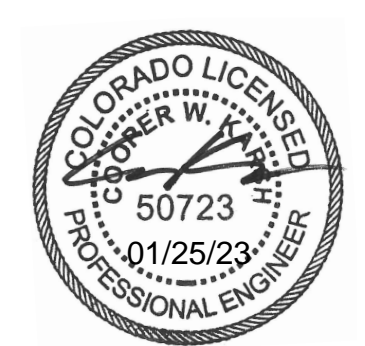
EROSION CONTROL LEGEND

	EXISTING INDEX CONTOUR		SILT FENCE		DIRECTION OF FLOW (HISTORIC)
	EXISTING INTERMEDIATE CONTOUR		CONSTRUCTION FENCE		DIRECTION OF FLOW (DEVELOPED)
	PROPOSED INDEX CONTOUR		TEMPORARY SLOPE DRAIN		ROOF DRAIN DOWNSPOUT
	PROPOSED INTERMEDIATE CONTOUR		DIVERSION DITCH		CONCRETE WASHOUT AREA
	LIMITS OF CONSTRUCTION/DISTURBANCE		SEDIMENT CONTROL LOG		TEMPORARY SEDIMENTATION POND
	INLET PROTECTION		CURB SOCK		EROSION CONTROL BLANKET
	OUTLET PROTECTION		ROCK CHECK DAM		CHANNEL STABILIZATION MATTING
	VEHICLE TRACKING CONTROL		SEEDING AND MULCHING		SURFACE ROUGHENING
	STRAW BALE EROSION BARRIER		STAGE STORAGE AREA		
	STOCKPILE AREA				



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D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831



SHEET TITLE
**INTERIM
EROSION
CONTROL PLAN
A**

WTA PROJECT NUMBER
2021-041.00

DATE
01/25/2023

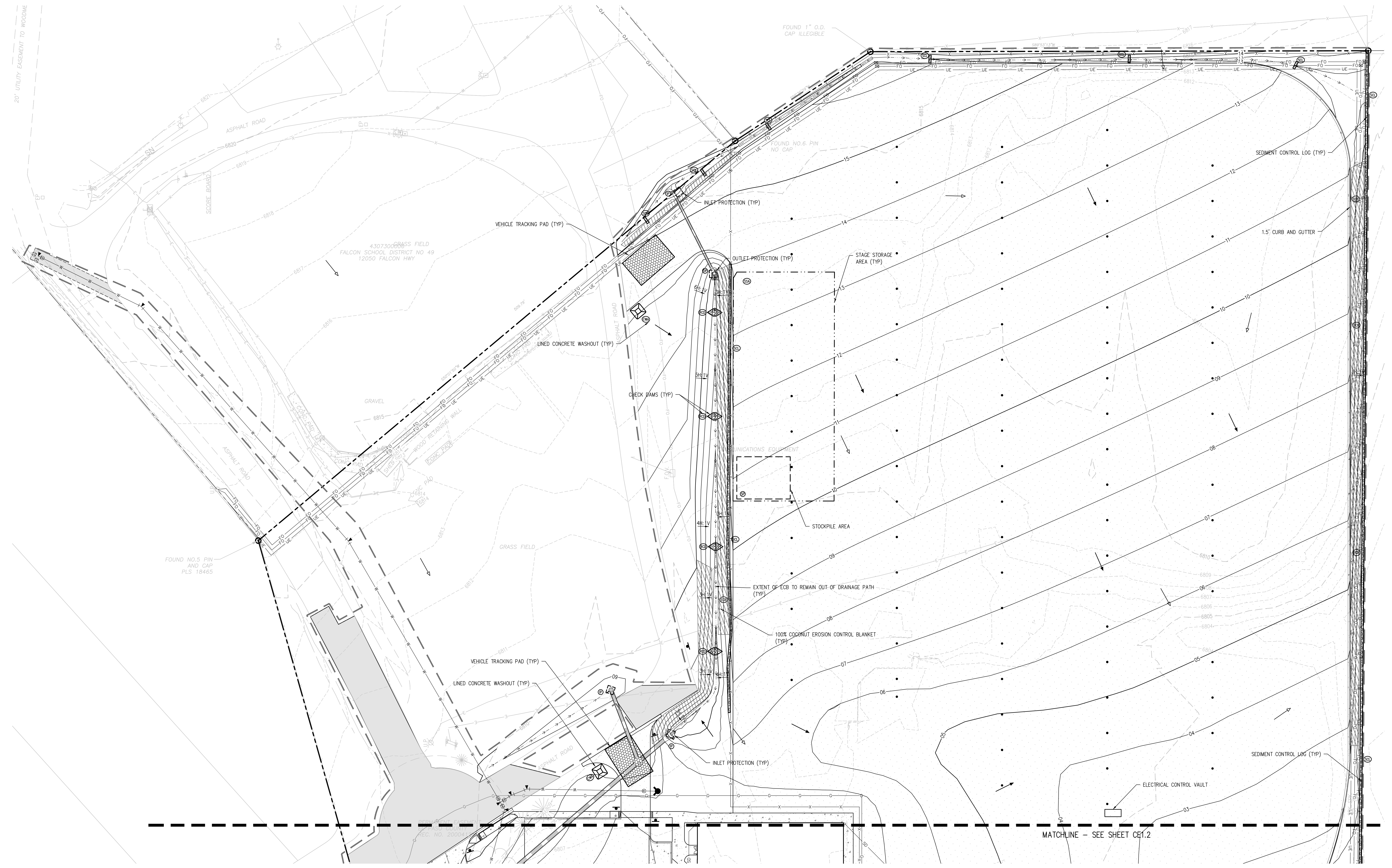
REVISIONS

#	DATE	DESCRIPTION

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DRAWN BY: **TWW/AMB**
CHECKED BY: **WIK**

ISSUED FOR
CONSTRUCTION DOCUMENTS

CE1.5

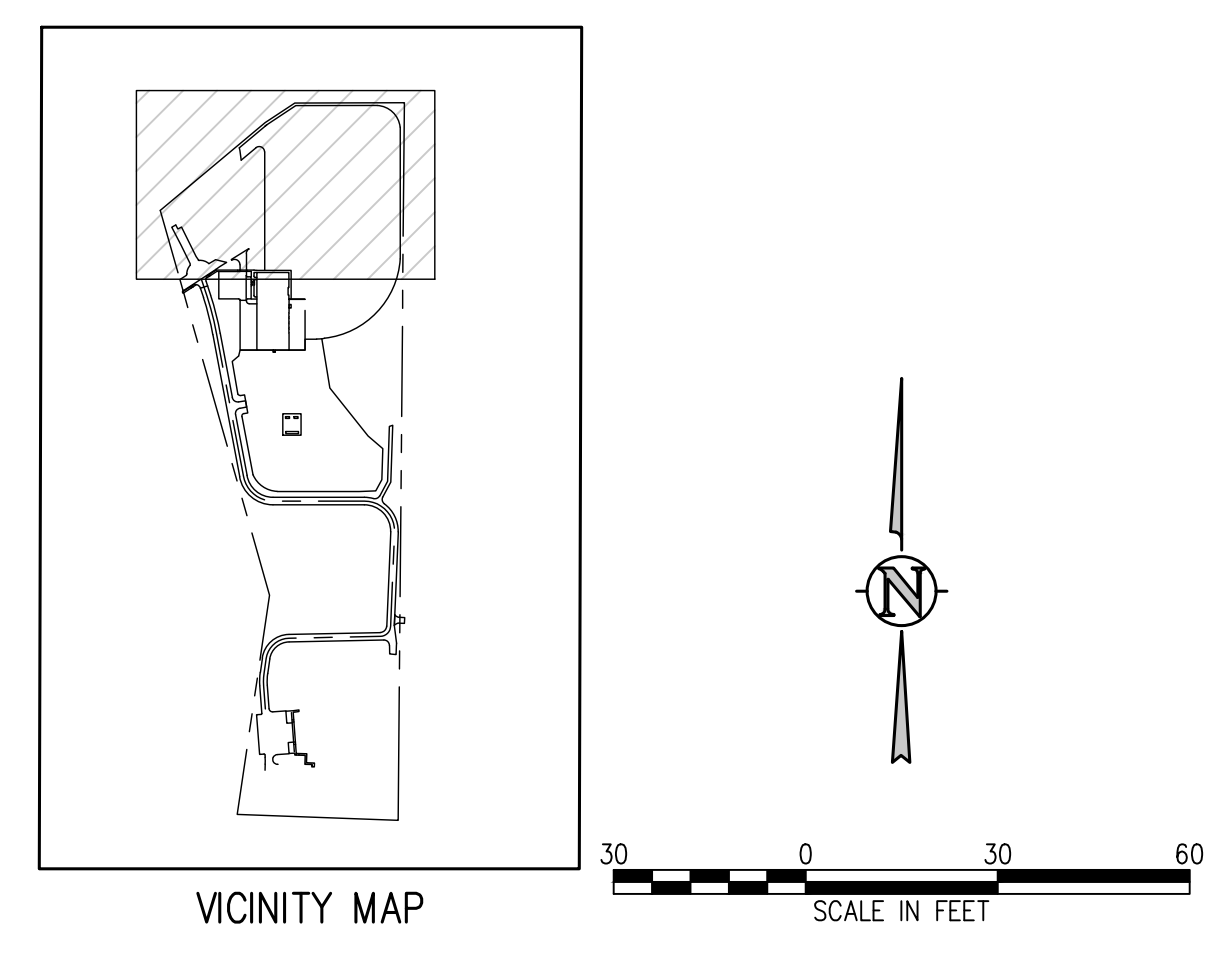


EROSION AND SEDIMENTATION NOTES:

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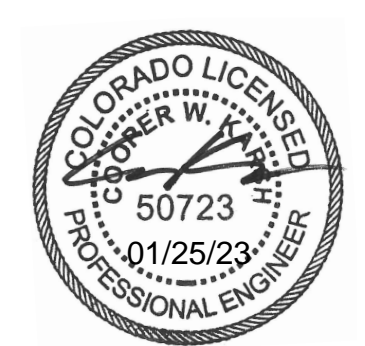
EROSION CONTROL LEGEND

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	EXISTING INTERMEDIATE CONTOUR		CONSTRUCTION FENCE		DIRECTION OF FLOW (DEVELOPED)
	PROPOSED INDEX CONTOUR		CONCRETE WASHOUT AREA		ROOF DRAIN DOWNSPOUT
	PROPOSED INTERMEDIATE CONTOUR		TEMPORARY SLOPE DRAIN		CONCRETE WASHOUT AREA
	LIMITS OF CONSTRUCTION/DISTURBANCE		DIVERSION DITCH		TEMPORARY SEDIMENTATION POND
	INLET PROTECTION		SEDIMENT CONTROL LOG		EROSION CONTROL BLANKET
	OUTLET PROTECTION		CURB SOCK		CHANNEL STABILIZATION MATTING
	VEHICLE TRACKING CONTROL		ROCK CHECK DAM		SURFACE ROUGHENING
	STRAW BALE EROSION BARRIER		SEEDING AND MULCHING		STAGE STORAGE AREA
	STOCKPILE AREA				



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D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831



SHEET TITLE
**INTERIM
EROSION
CONTROL PLAN
B**

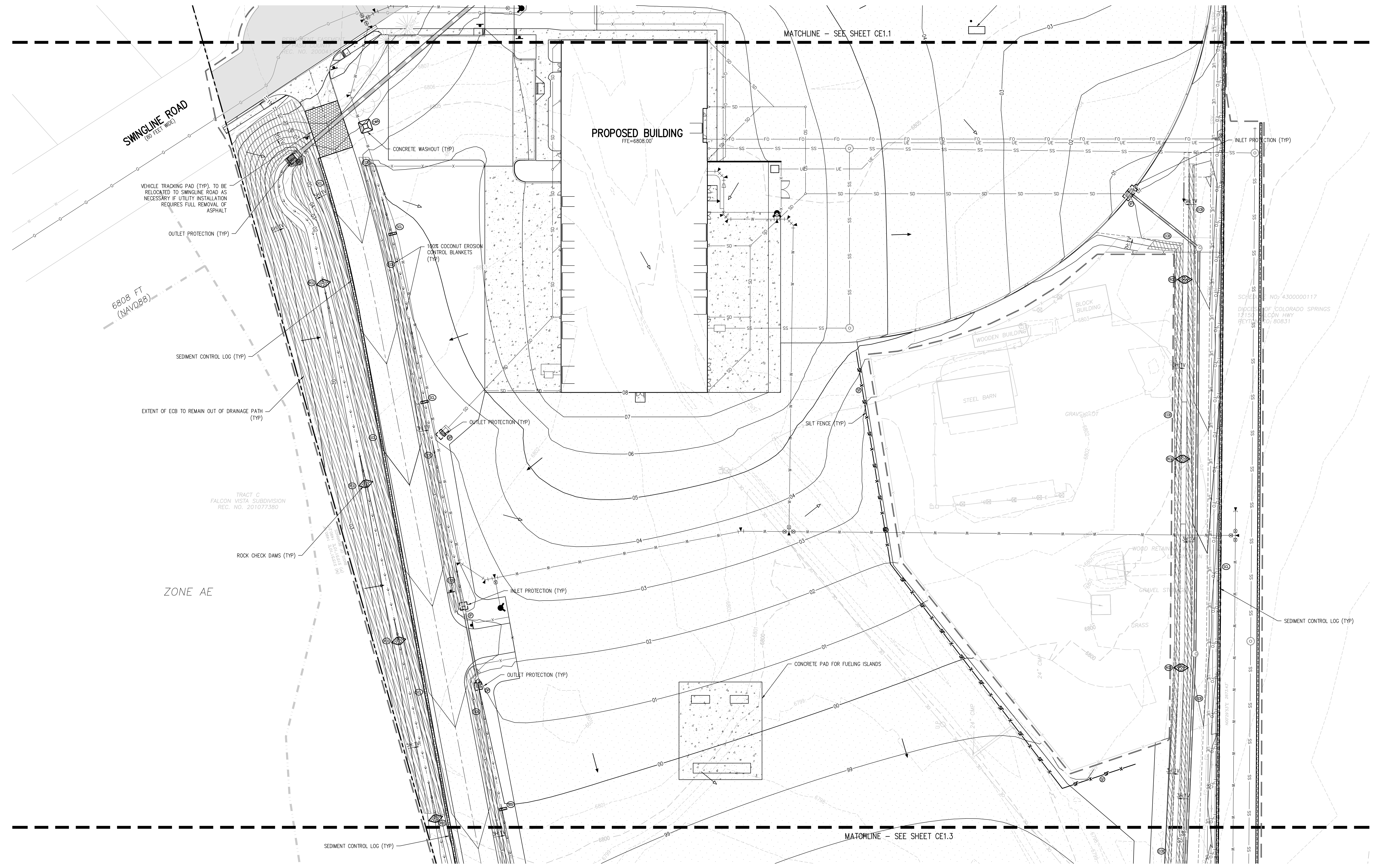
WTA PROJECT NUMBER
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DATE
01/25/2023

REVISIONS

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DESIGNED BY: **CKW/HCM**
CHECKED BY: **TWW/AMB**
DATE FOR CONSTRUCTION DOCUMENTS: **01/25/2023**

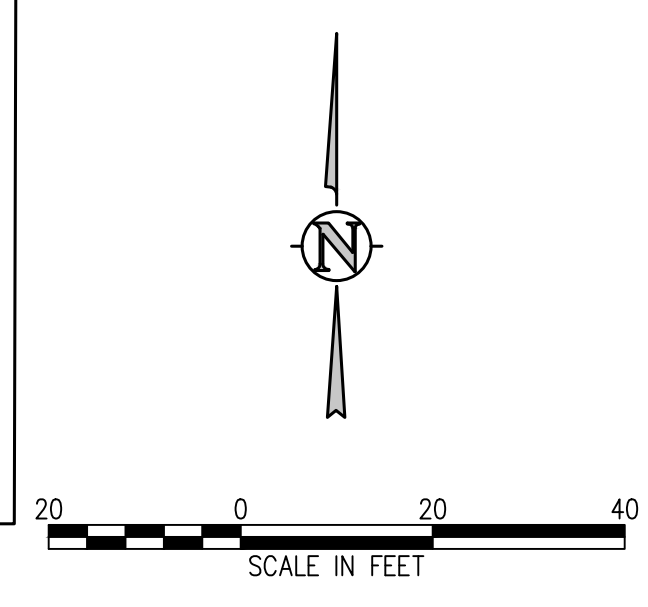
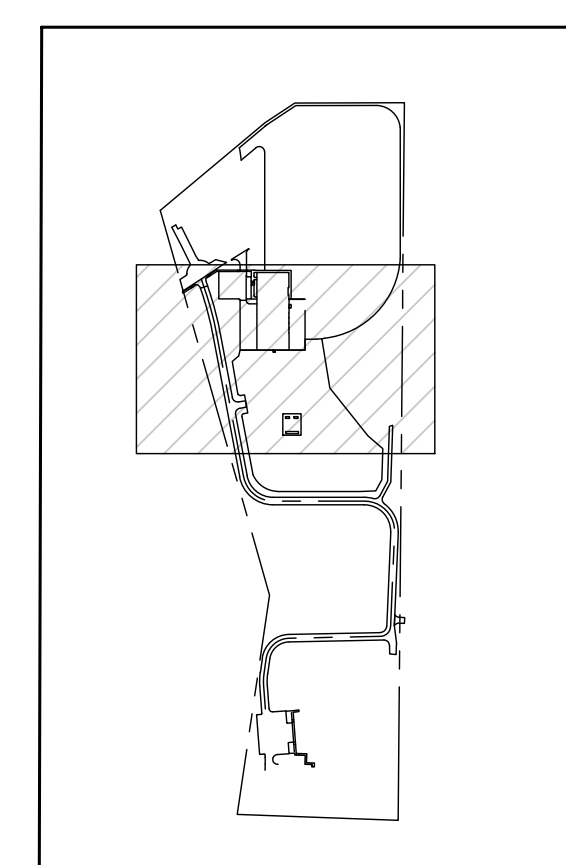


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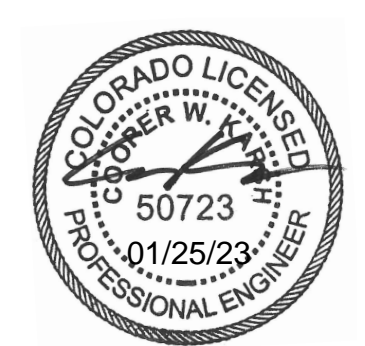
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EROSION CONTROL LEGEND

	EXISTING INDEX CONTOUR		SILT FENCE		DIRECTION OF FLOW (HISTORIC)
	EXISTING INTERMEDIATE CONTOUR		CONSTRUCTION FENCE		DIRECTION OF FLOW (DEVELOPED)
	PROPOSED INDEX CONTOUR		TEMPORARY SLOPE DRAIN		ROOF DRAIN DOWNSPOUT
	PROPOSED INTERMEDIATE CONTOUR		DIVERSION DITCH		CONCRETE WASHOUT AREA
	LIMITS OF CONSTRUCTION/DISTURBANCE		SEDIMENT CONTROL LOG		TEMPORARY SEDIMENTATION POND
	INLET PROTECTION		CURB SOCK		EROSION CONTROL BLANKET
	OUTLET PROTECTION		ROCK CHECK DAM		CHANNEL STABILIZATION MATTING
	VEHICLE TRACKING CONTROL		SEEDING AND MULCHING		SURFACE ROUGHENING
	STRAW BALE EROSION BARRIER		STAGE STORAGE AREA		INLET PROTECTION (TYP)
	STOCKPILE AREA				SEDIMENT CONTROL LOG (TYP)



**D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49**
11971 SWINGLINE ROAD
PEYTON, CO 80831



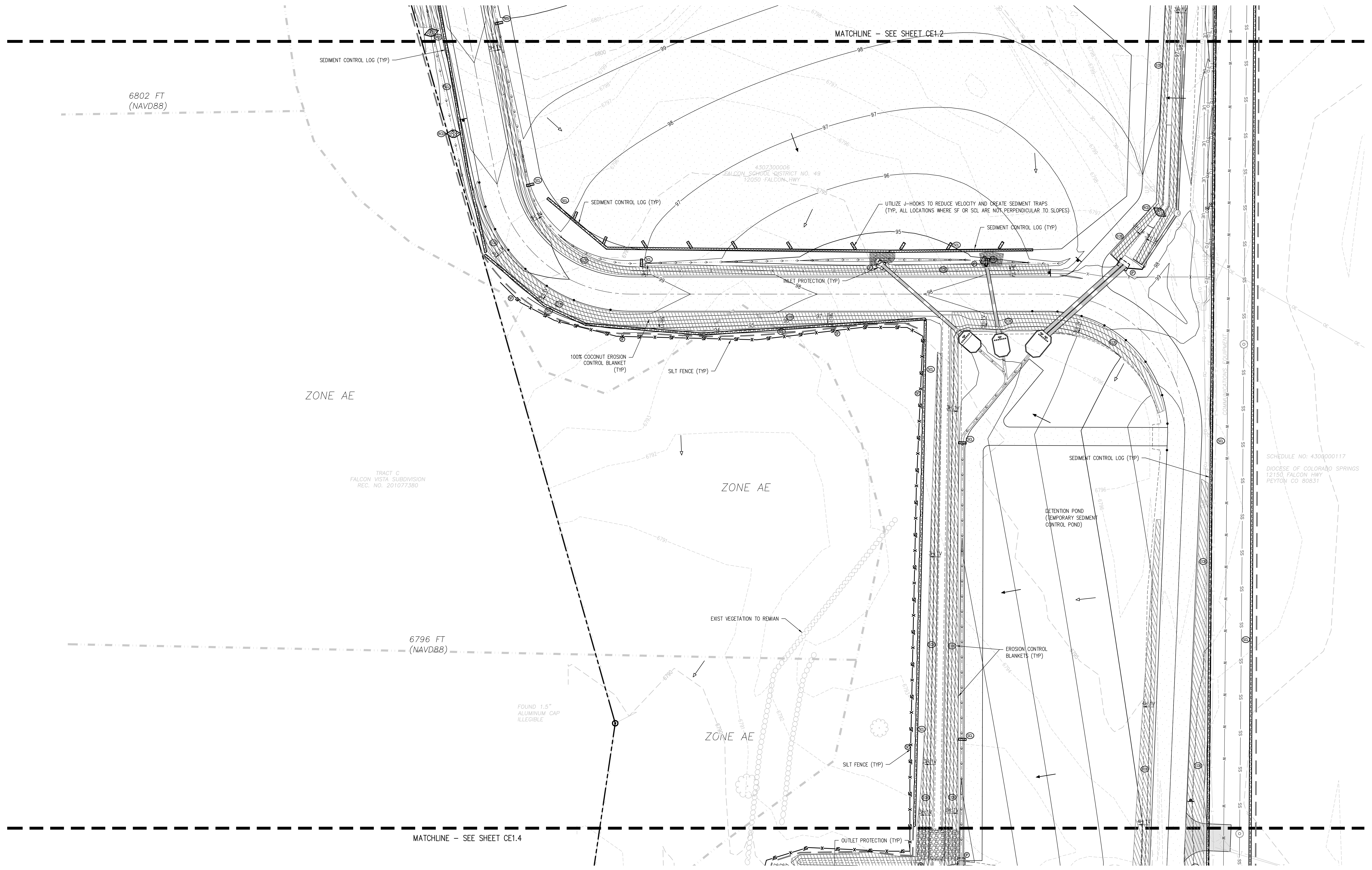
PROJECT TITLE
INTERIM
EROSION CONTROL PLAN
C

WTA PROJECT NUMBER
2021-041.00
DATE
01/25/2023
REVISIONS

#	DATE	DESCRIPTION

DESIGNED BY
T.W. AMBROSE
CHECKED BY
CWK

ISSUED FOR
CONSTRUCTION DOCUMENTS
SHEET NO.
CE1.7

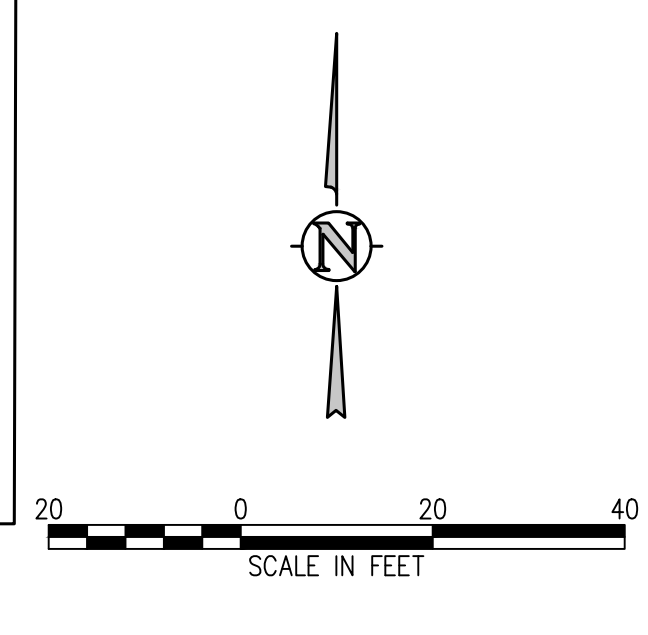
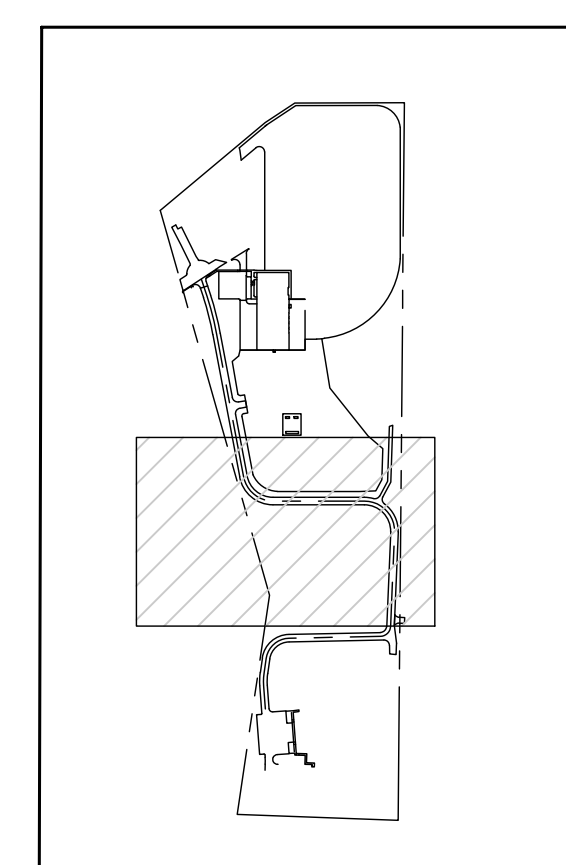


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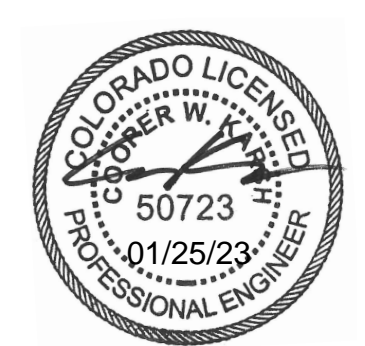
EROSION CONTROL LEGEND

	EXISTING INDEX CONTOUR		SILT FENCE		DIRECTION OF FLOW (HISTORIC)
	EXISTING INTERMEDIATE CONTOUR		CONSTRUCTION FENCE		DIRECTION OF FLOW (DEVELOPED)
	PROPOSED INDEX CONTOUR		TEMPORARY SLOPE DRAIN		ROOF DRAIN DOWNSPOUT
	PROPOSED INTERMEDIATE CONTOUR		DIVERSION DITCH		CONCRETE WASHOUT AREA
	LIMITS OF CONSTRUCTION/DISTURBANCE		SEDIMENT CONTROL LOG		TEMPORARY SEDIMENTATION POND
	INLET PROTECTION		CURB SOCK		EROSION CONTROL BLANKET
	OUTLET PROTECTION		ROCK CHECK DAM		CHANNEL STABILIZATION MATTING
	VEHICLE TRACKING CONTROL		SEEDING AND MULCHING		SURFACE ROUGHENING
	STRAW BALE EROSION BARRIER		STAGE STORAGE AREA		
	STOCKPILE AREA				



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D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831



SHEET TITLE
**INTERIM
EROSION
CONTROL PLAN
D**

DATE PROJECT NUMBER
2021-041.00

DATE REVISIONS
01/25/2023

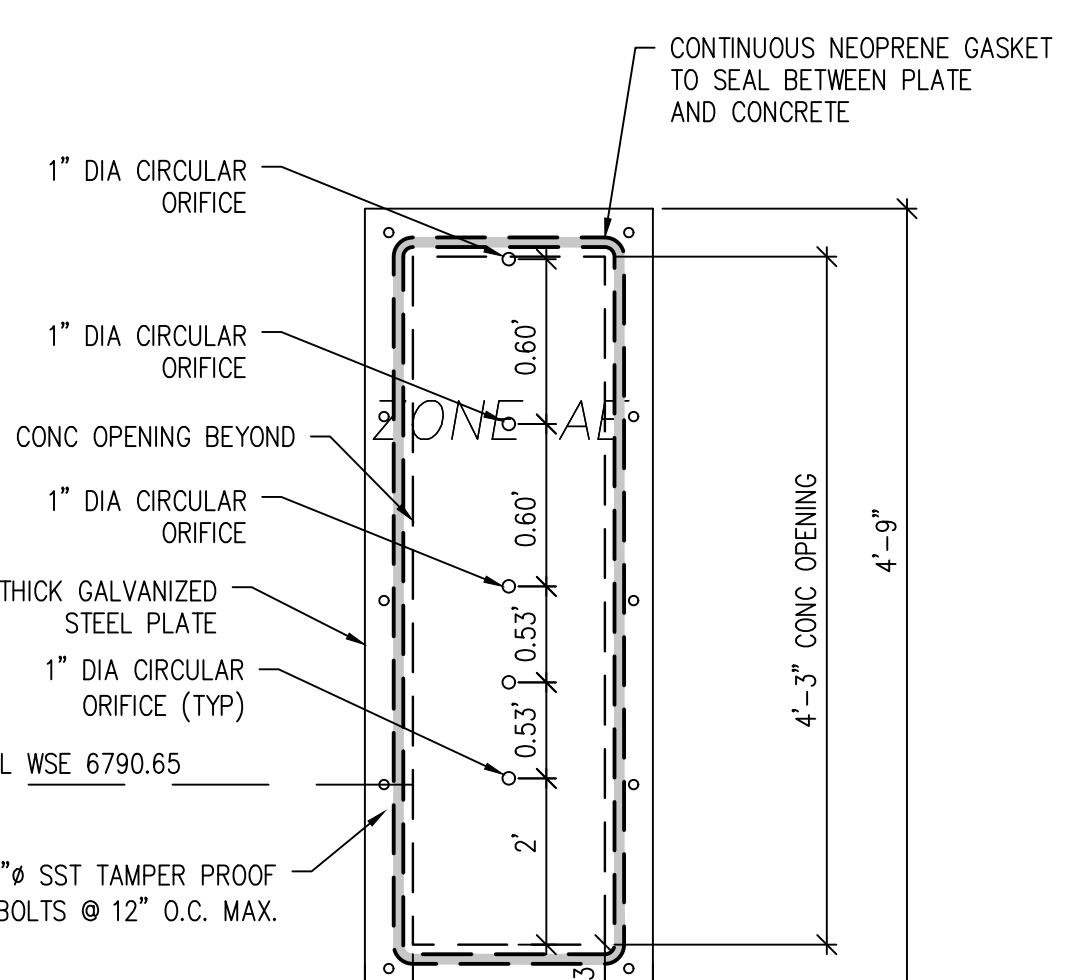
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DESIGNED BY: **CKW/HCM**
DRAWN BY: **TW/AMB**
CHECKED BY: **CKW**

ISSUED FOR:
**CONSTRUCTION
DOCUMENTS**

CE1.8

MATCHLINE - SEE SHEET CE1.3



OUTLET STRUCTURE TO BE OUTFITTED W/
TEMPORARY 72 HOUR DRAIN TIME WQ
PLATE. GRAVEL (1" ANGULAR STONE) TO
BE PLACED IN FRONT OF OUTLET PLATE.
STONE TO BE PLACED 2' D X 4' W X 6' L

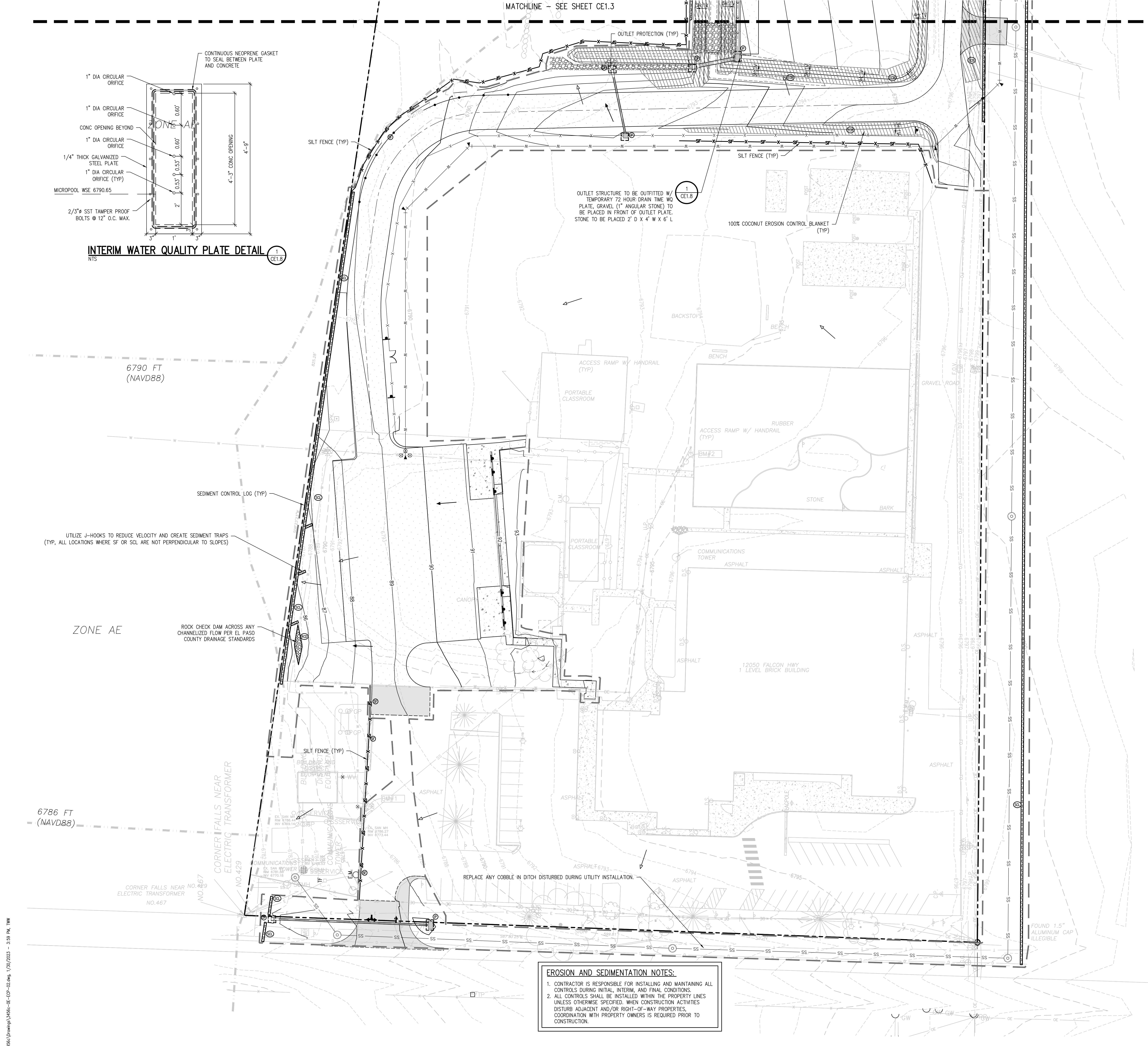
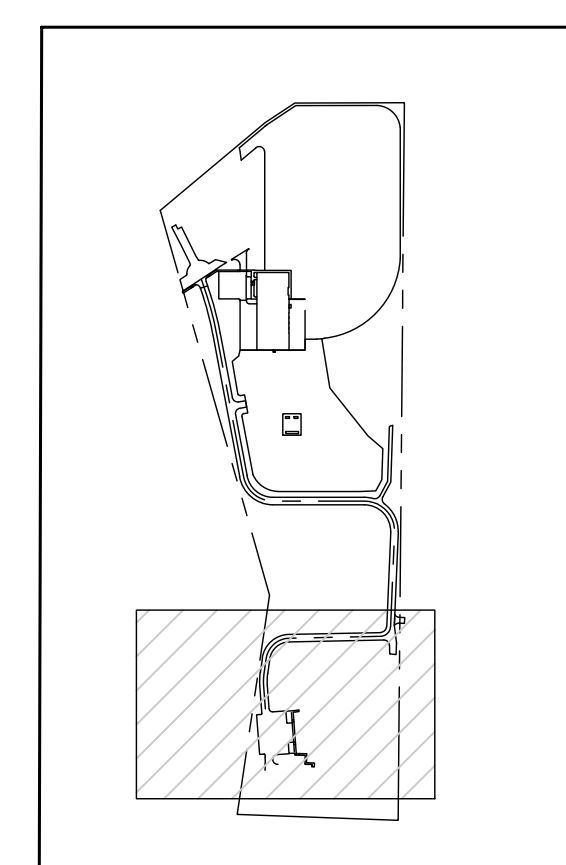
100% COCONUT EROSION CONTROL BLANKET (TYP)

EROSION CONTROL LEGEND

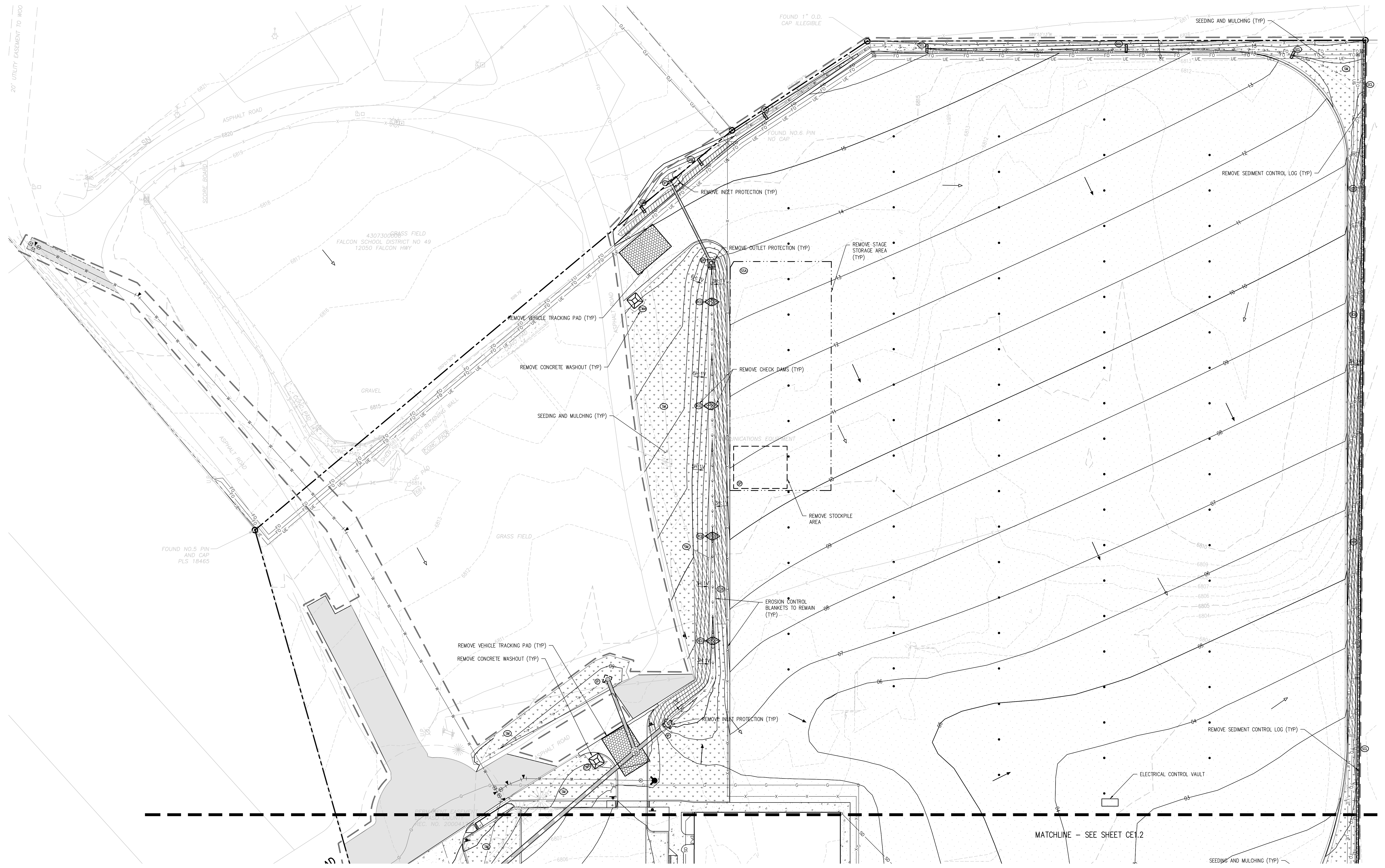
- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- PROPOSED INDEX CONTOUR
- PROPOSED INTERMEDIATE CONTOUR
- LIMITS OF CONSTRUCTION/DISTURBANCE
- INLET PROTECTION
- OUTLET PROTECTION
- VEHICLE TRACKING CONTROL
- STRAW BALE EROSION BARRIER
- STOCKPILE AREA
- SILT FENCE
- CONSTRUCTION FENCE
- TEMPORARY SLOPE DRAIN
- DIVERSION DITCH
- SEDIMENT CONTROL LOG
- CURB SOCK
- ROCK CHECK DAM
- SEEDING AND MULCHING
- DIRECTION OF FLOW (HISTORIC)
- DIRECTION OF FLOW (DEVELOPED)
- ROOF DRAIN DOWNSPOUT
- CONCRETE WASHOUT AREA
- TEMPORARY SEDIMENTATION POND
- EROSION CONTROL BLANKET
- CHANNEL STABILIZATION MATTING
- SURFACE ROUGHENING
- STAGE STORAGE AREA

EROSION AND SEDIMENTATION NOTES:

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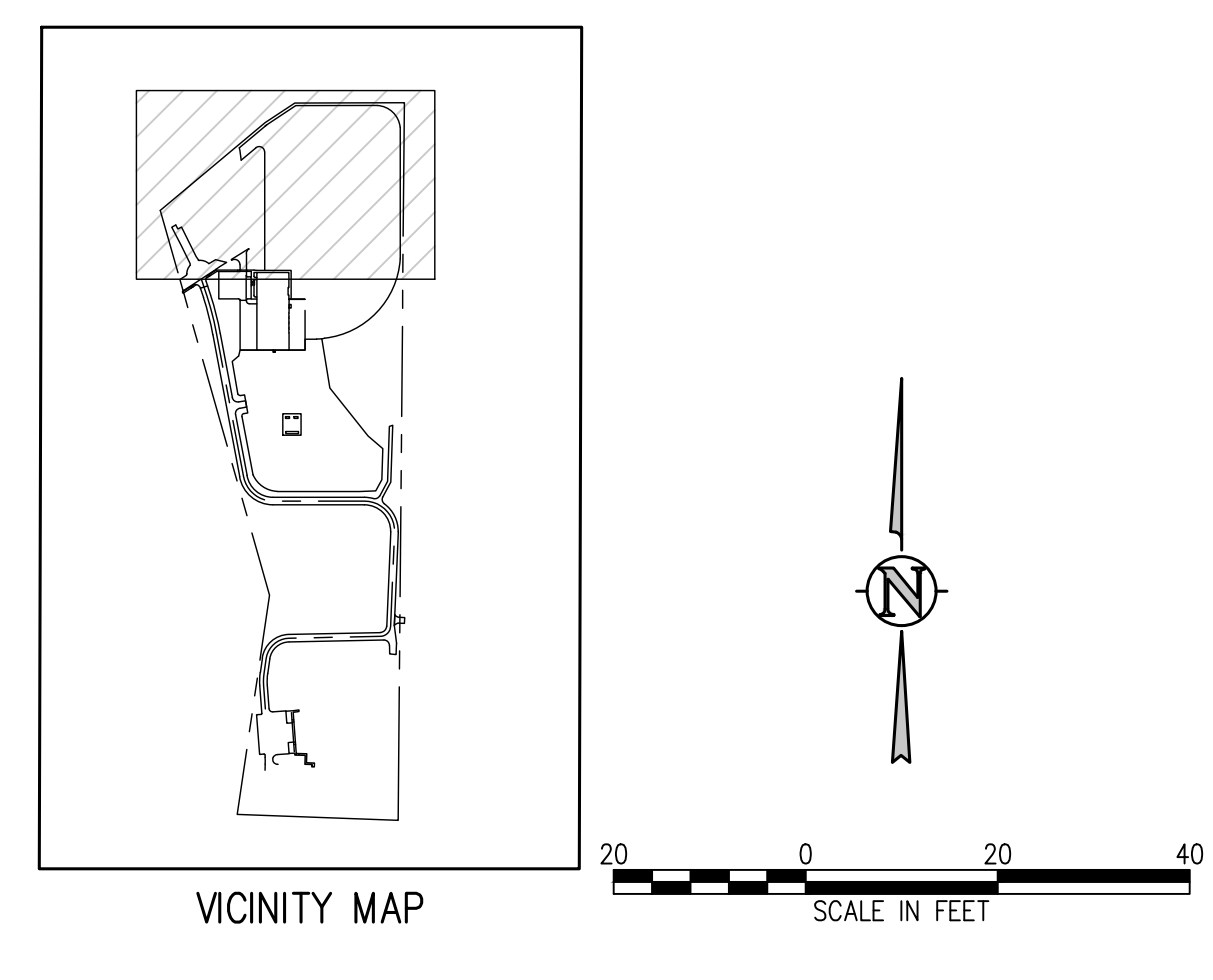


**D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49**
11971 SWINGLINE ROAD
PEYTON, CO 80831



EROSION AND SEDIMENTATION NOTES:
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EROSION CONTROL LEGEND	
	EXISTING INDEX CONTOUR
	EXISTING INTERMEDIATE CONTOUR
	PROPOSED INDEX CONTOUR
	PROPOSED INTERMEDIATE CONTOUR
	LIMITS OF CONSTRUCTION/DISTURBANCE
	INLET PROTECTION
	OUTLET PROTECTION
	VEHICLE TRACKING CONTROL
	STRAW BALE EROSION BARRIER
	STOCKPILE AREA
	SILT FENCE
	CONSTRUCTION FENCE
	TEMPORARY SLOPE DRAIN
	DIVERSION DITCH
	SEDIMENT CONTROL LOG
	CURB SOCK
	ROCK CHECK DAM
	SEEDING AND MULCHING
	DIRECTION OF FLOW (HISTORIC)
	DIRECTION OF FLOW (DEVELOPED)
	ROOF DRAIN DOWNSPOUT
	CONCRETE WASHOUT AREA
	TEMPORARY SEDIMENTATION POND
	EROSION CONTROL BLANKET
	CHANNEL STABILIZATION MATTING
	SURFACE ROUGHENING
	STAGE STORAGE AREA



MATCHLINE - SEE SHEET CE1.2



FINAL EROSION CONTROL PLAN A

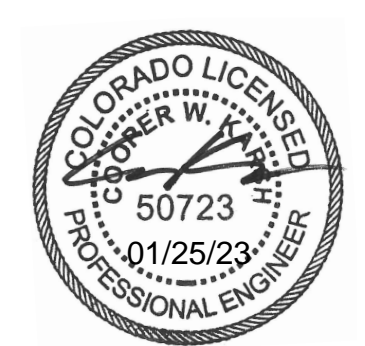
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DATE: 01/25/2023

NO.	DATE	DESCRIPTION
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SCALE IN FEET: 0 20 40

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**D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49**
11971 SWINGLINE ROAD
PEYTON, CO 80831



SHEET TITLE
**FINAL EROSION
CONTROL PLAN
B**

WTA PROJECT NUMBER
2021-041.00

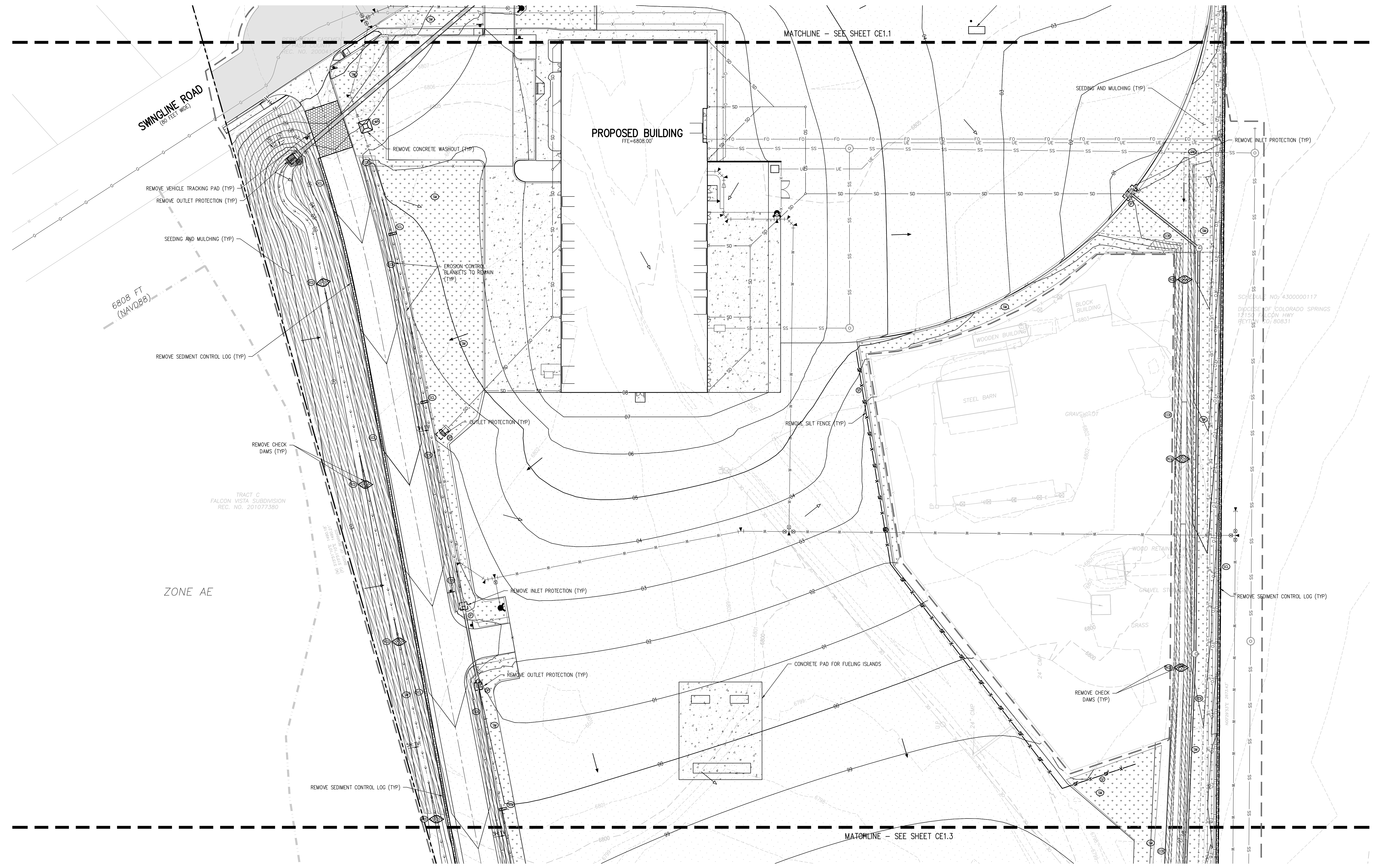
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REVISIONS

#	DATE	DESCRIPTION

DESIGNED BY: **TKW/HCM**
CHECKED BY: **TW/AMB**
DATE FOR CONSTRUCTION DOCUMENTS: **01/25/2023**

CE1.10



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EROSION CONTROL LEGEND

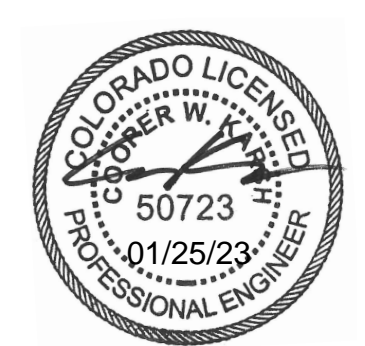
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	EXISTING INTERMEDIATE CONTOUR		CONSTRUCTION FENCE		DIRECTION OF FLOW (DEVELOPED)
	PROPOSED INDEX CONTOUR		TEMPORARY SLOPE DRAIN		ROOF DRAIN DOWNSPOUT
	PROPOSED INTERMEDIATE CONTOUR		DIVERSION DITCH		CONCRETE WASHOUT AREA
	LIMITS OF CONSTRUCTION/DISTURBANCE		SEDIMENT CONTROL LOG		TEMPORARY SEDIMENTATION POND
	INLET PROTECTION		CURB SOCK		EROSION CONTROL BLANKET
	OUTLET PROTECTION		ROCK CHECK DAM		CHANNEL STABILIZATION MATTING
	VEHICLE TRACKING CONTROL		SEEDING AND MULCHING		SURFACE ROUGHENING
	STRAW BALE EROSION BARRIER		STAGE STORAGE AREA		STAGE STORAGE AREA
	STOCKPILE AREA				

VICINITY MAP

SCALE IN FEET

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**D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49**
11971 SWINGLINE ROAD
PEYTON, CO 80831



SHEET TITLE
FINAL EROSION CONTROL PLAN C

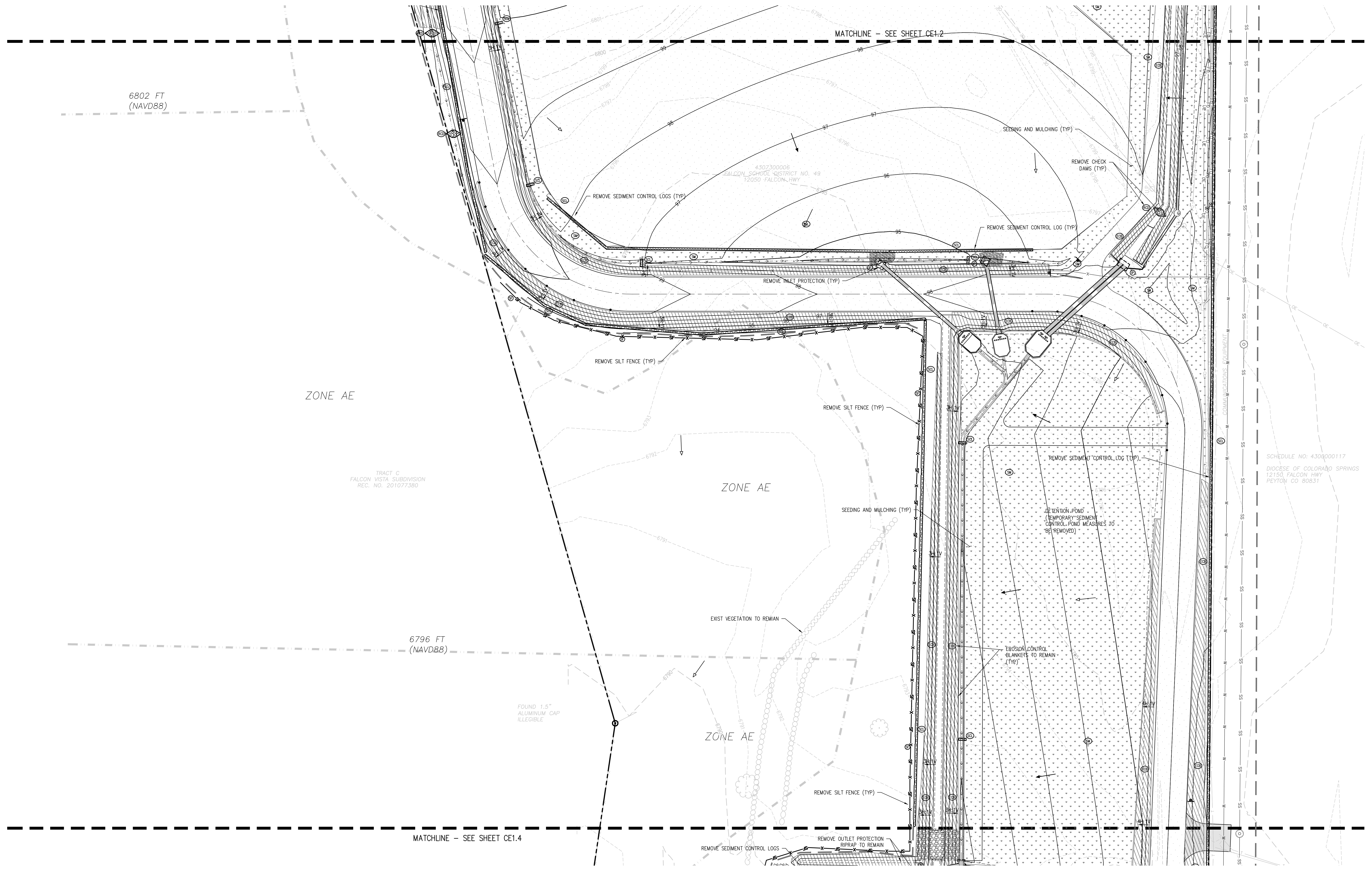
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DATE
01/25/2023
REVISIONS

#	DATE	DESCRIPTION

DESIGNED BY
T.W. AMBROSE
CHECKED BY
CWK

ISSUED FOR
CONSTRUCTION DOCUMENTS

CE1.11

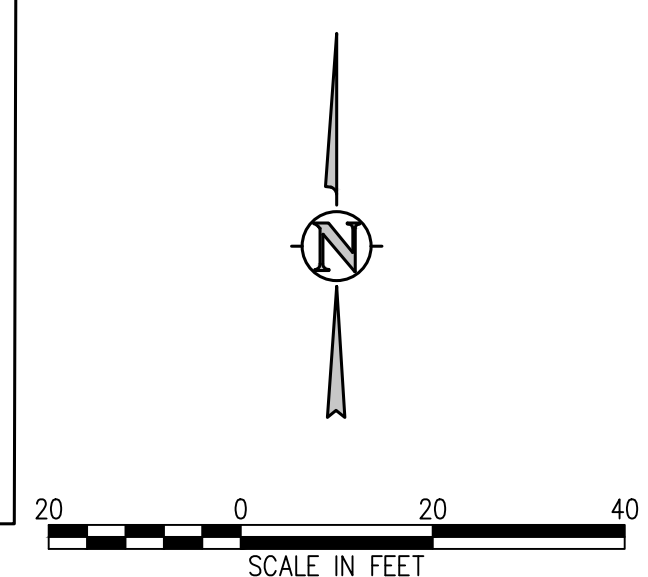
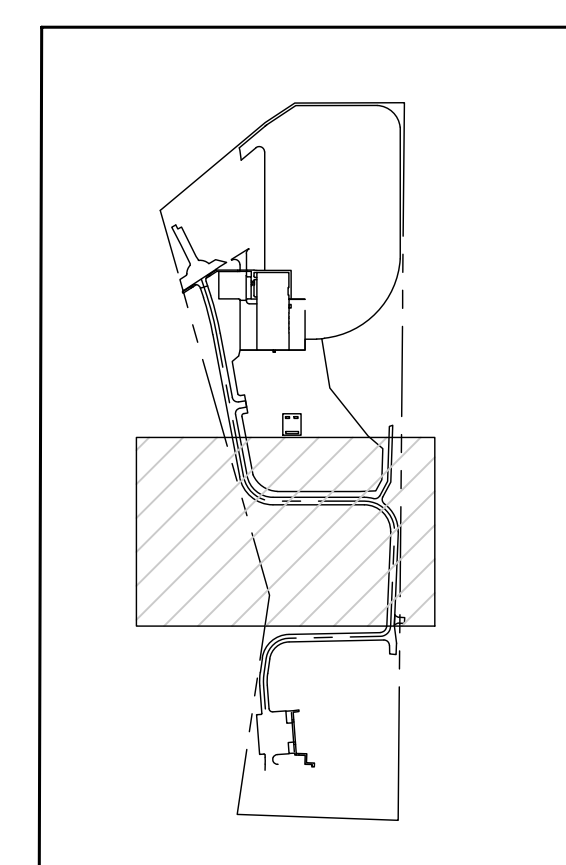


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EROSION CONTROL LEGEND

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	EXISTING INTERMEDIATE CONTOUR		CONSTRUCTION FENCE		DIRECTION OF FLOW (DEVELOPED)
	PROPOSED INDEX CONTOUR		TEMPORARY SLOPE DRAIN		ROOF DRAIN DOWNSPOUT
	PROPOSED INTERMEDIATE CONTOUR		DIVERSION DITCH		CONCRETE WASHOUT AREA
	LIMITS OF CONSTRUCTION/DISTURBANCE		SEDIMENT CONTROL LOG		TEMPORARY SEDIMENTATION POND
	INLET PROTECTION		CURB SOCK		EROSION CONTROL BLANKET
	OUTLET PROTECTION		ROCK CHECK DAM		CHANNEL STABILIZATION MATTING
	VEHICLE TRACKING CONTROL		SEEDING AND MULCHING		SURFACE ROUGHENING
	STRAW BALE EROSION BARRIER		STAGE STORAGE AREA		STOCKPILE AREA



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D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831



FINAL EROSION CONTROL PLAN D

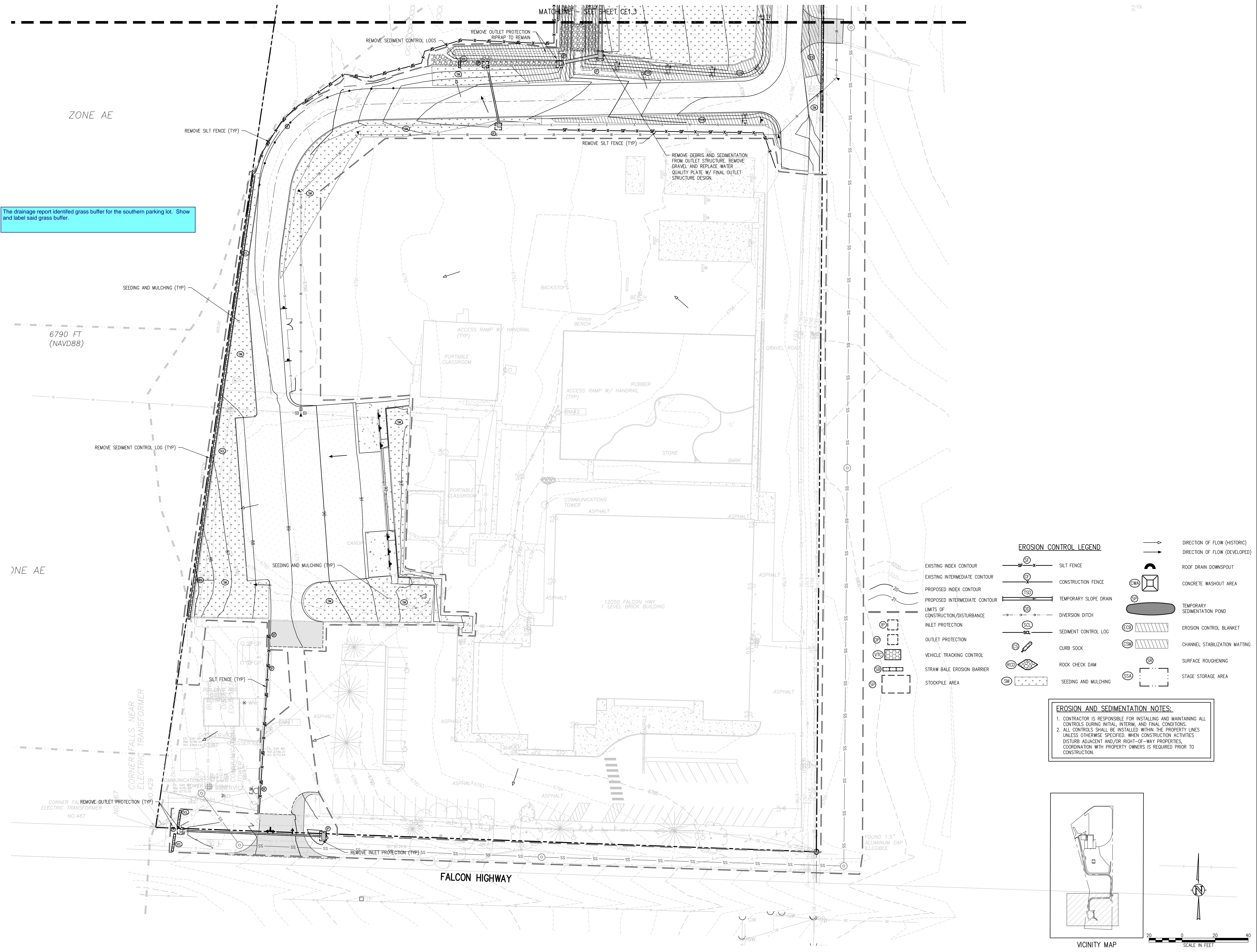
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PROJECT NUMBER: 2021-041-00

REVISIONS:

#	DATE	DESCRIPTION
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ISSUED FOR CONSTRUCTION DOCUMENTS



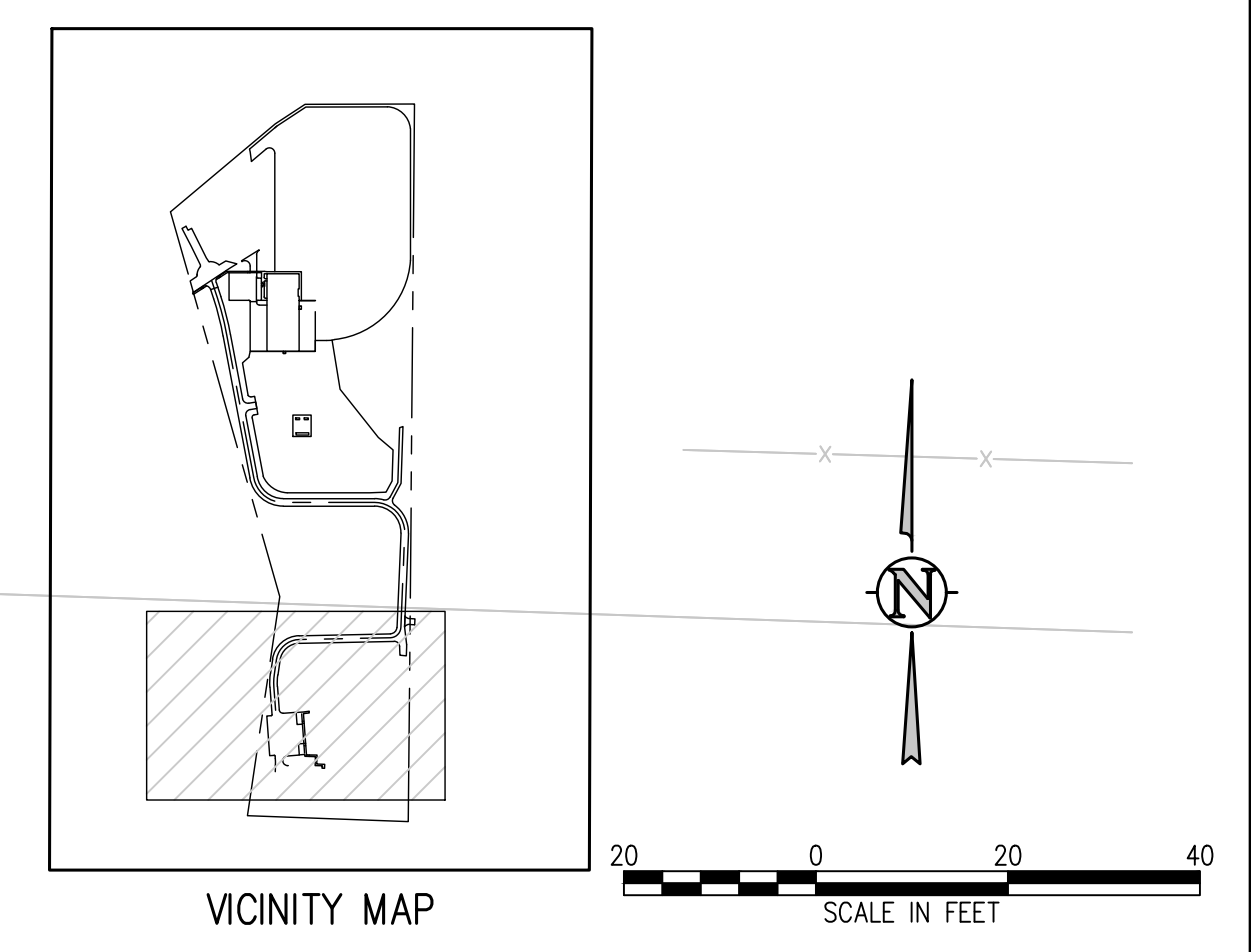
The drainage report identified grass buffer for the southern parking lot. Show and label said grass buffer.

EROSION CONTROL LEGEND

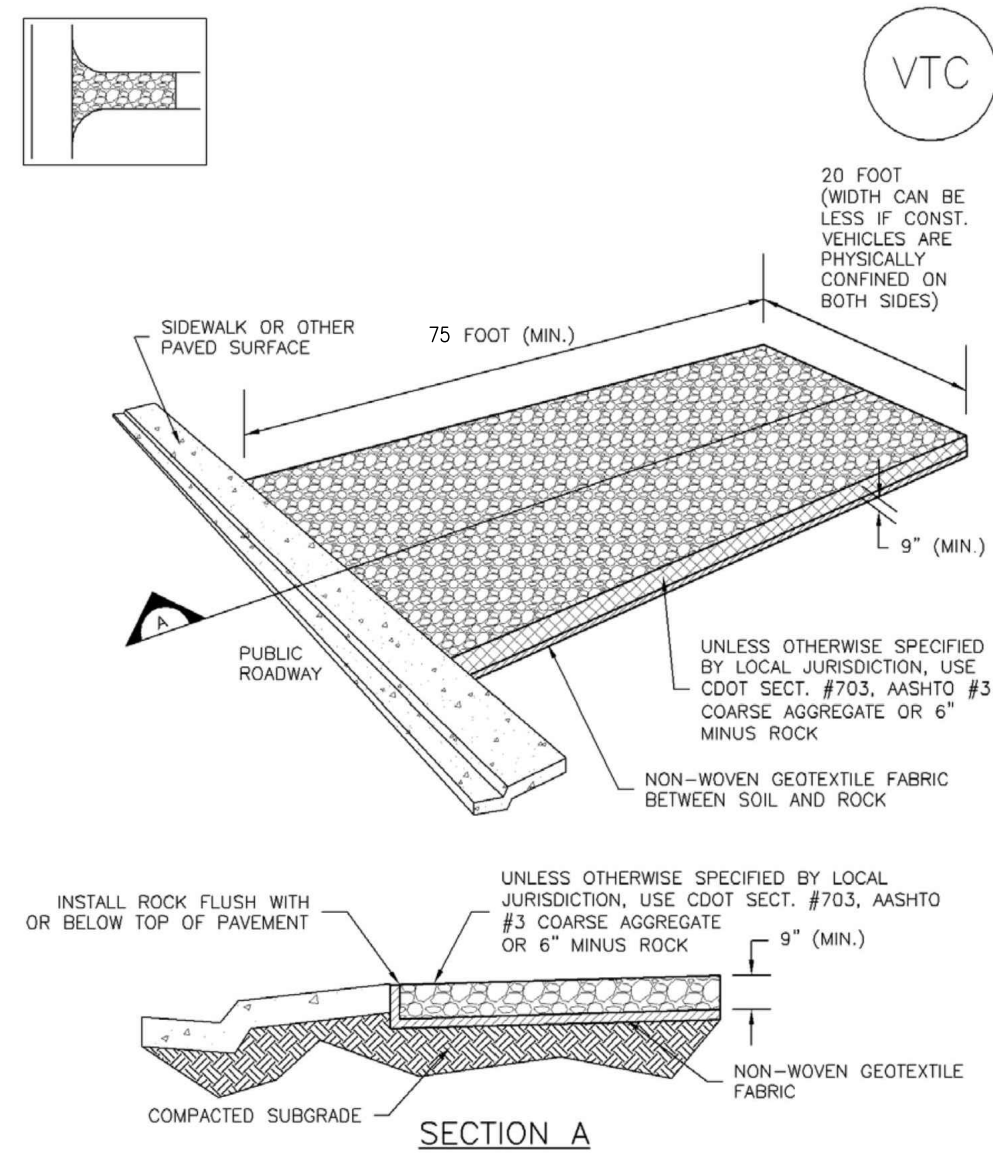
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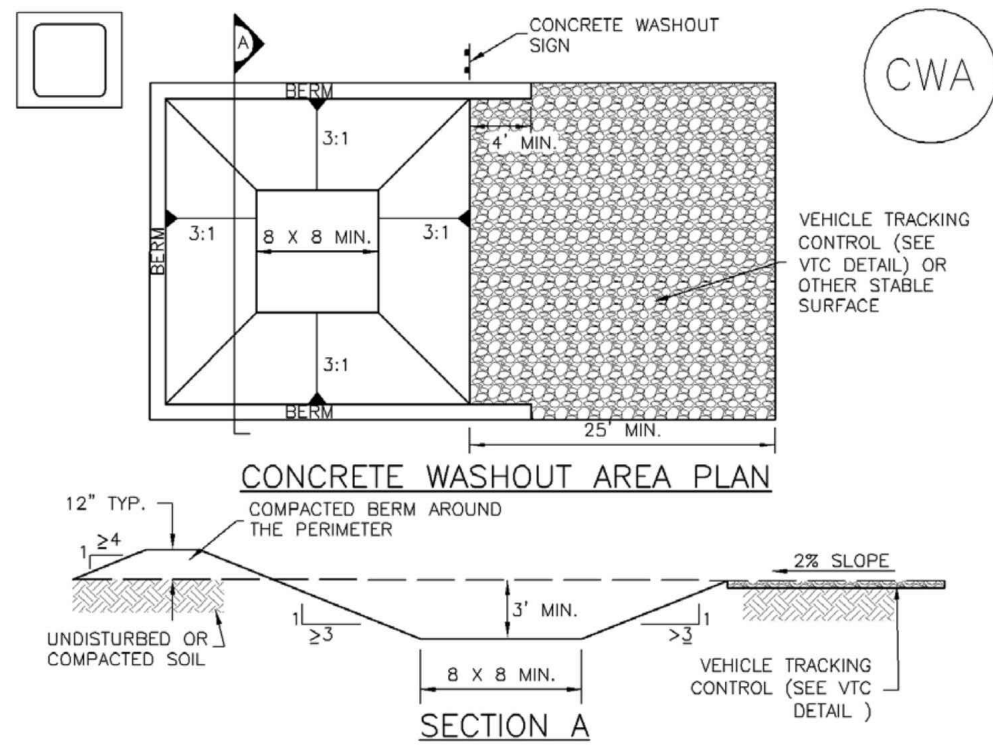
Vehicle Tracking Control (VTC) SM-4



VTC-1. AGGREGATE VEHICLE TRACKING CONTROL

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 VTC-3

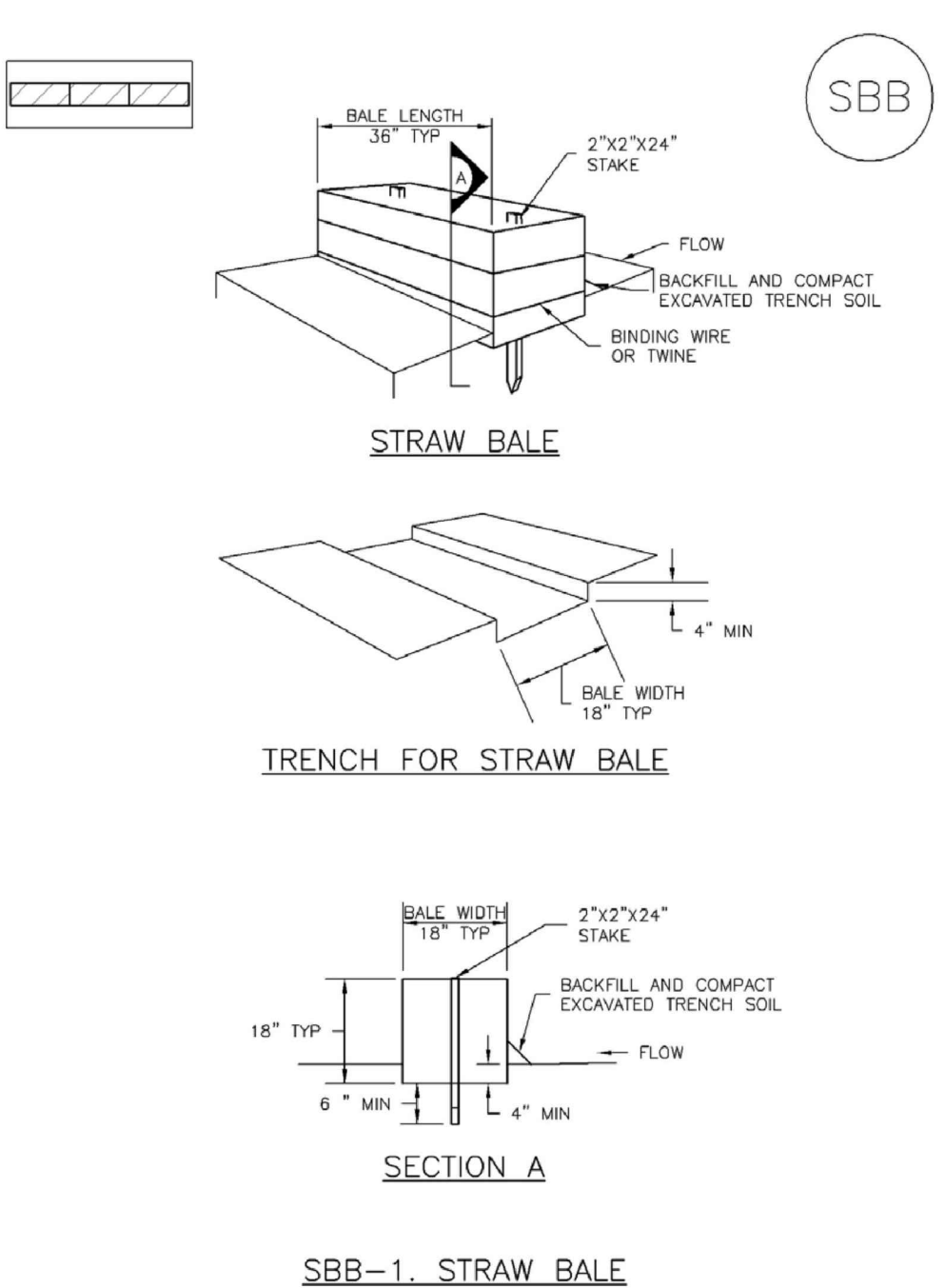
Concrete Washout Area (CWA) MM-1



CWA-1. CONCRETE WASHOUT AREA

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 CWA-3

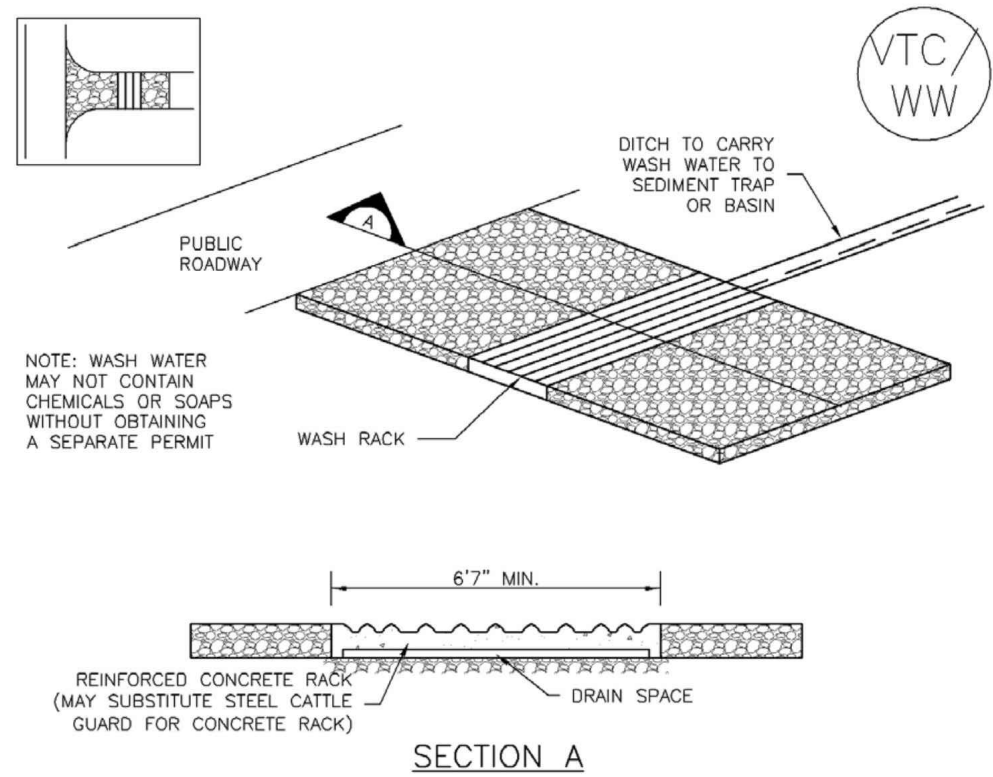
SC-3 Straw Bale Barrier (SBB)



SBB-1. STRAW BALE

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SC-3

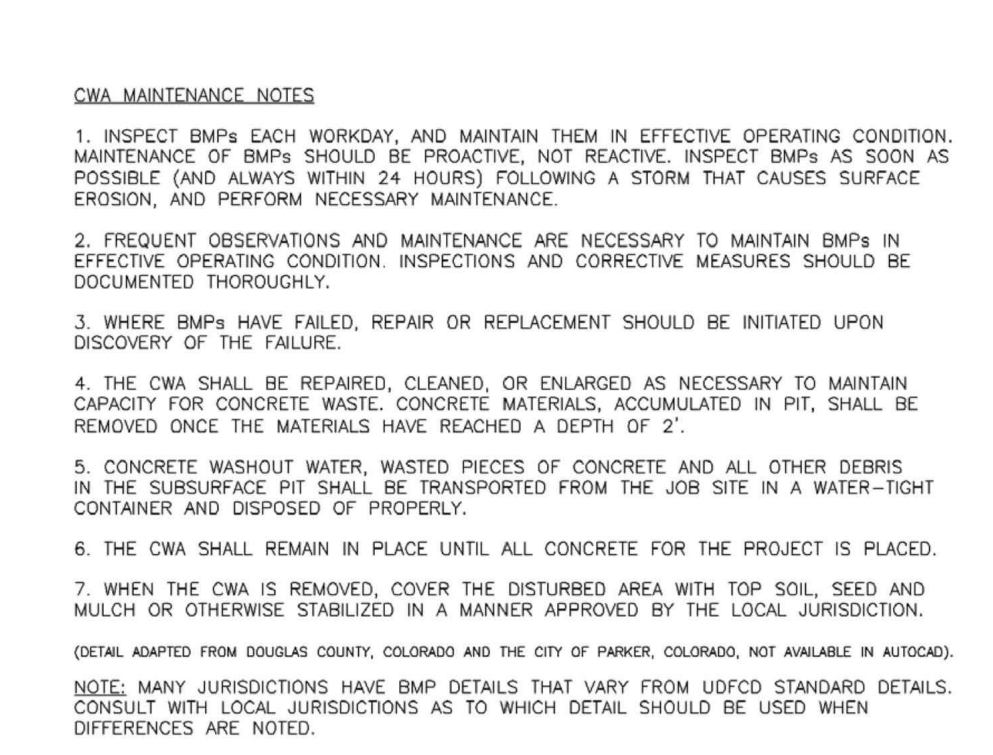
SM-4 Vehicle Tracking Control (VTC)



VTC-2. AGGREGATE VEHICLE TRACKING CONTROL WITH WASH RACK

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 VTC-4

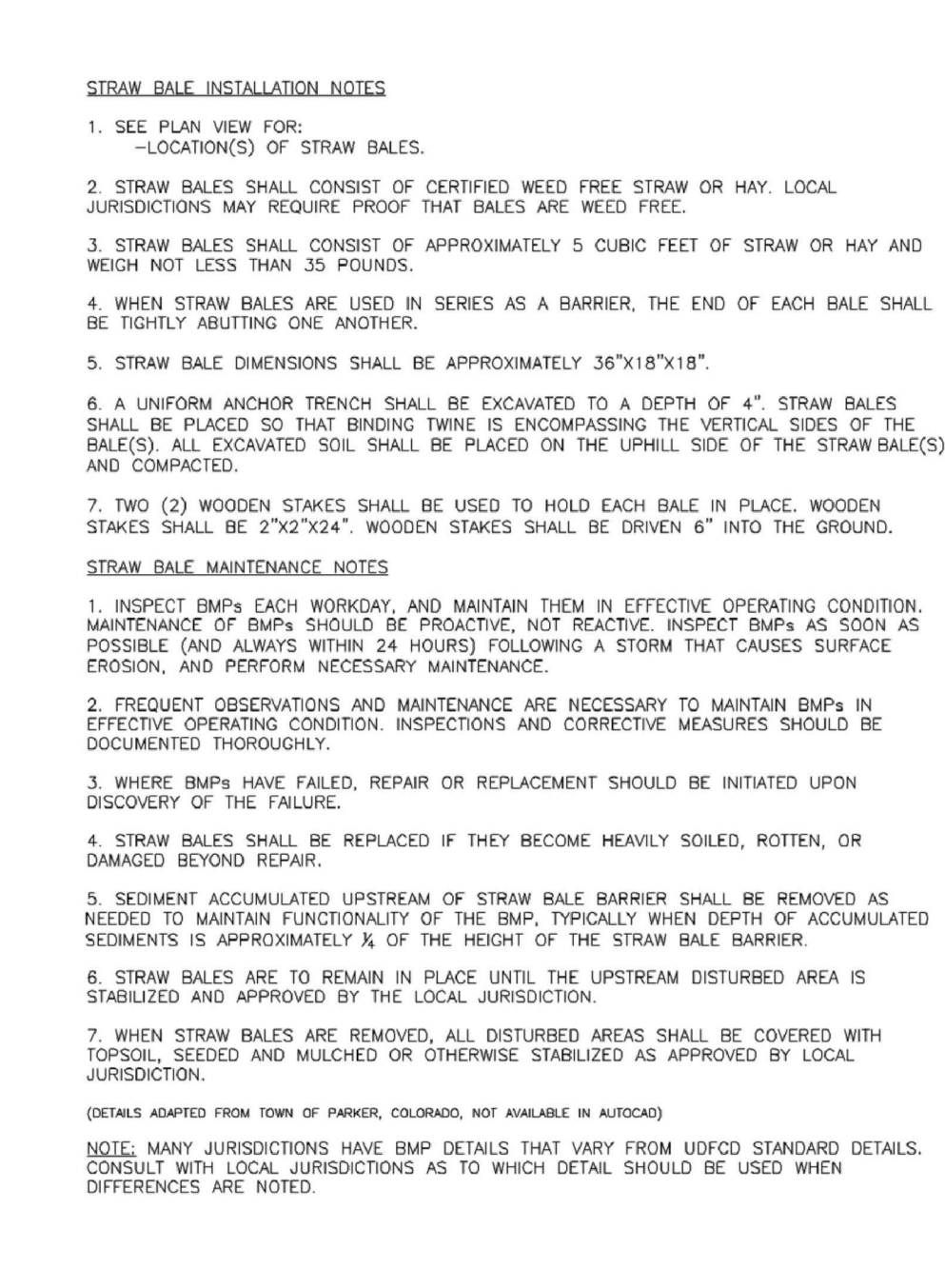
MM-1 Concrete Washout Area (CWA)



CWA-4. CONCRETE WASHOUT AREA

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 CWA-4

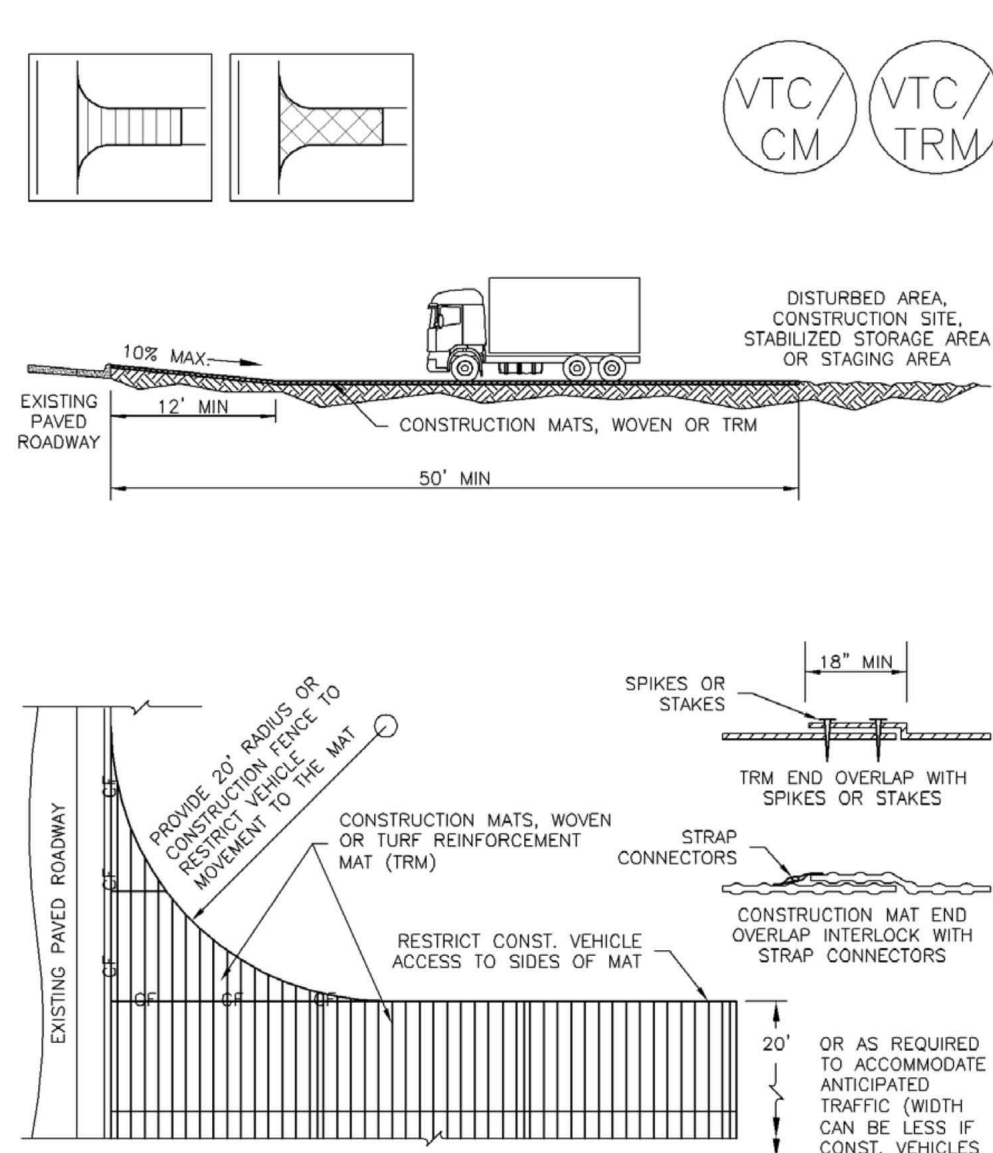
SC-3 Straw Bale Barrier (SBB)



SBB-1. STRAW BALE

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SC-3

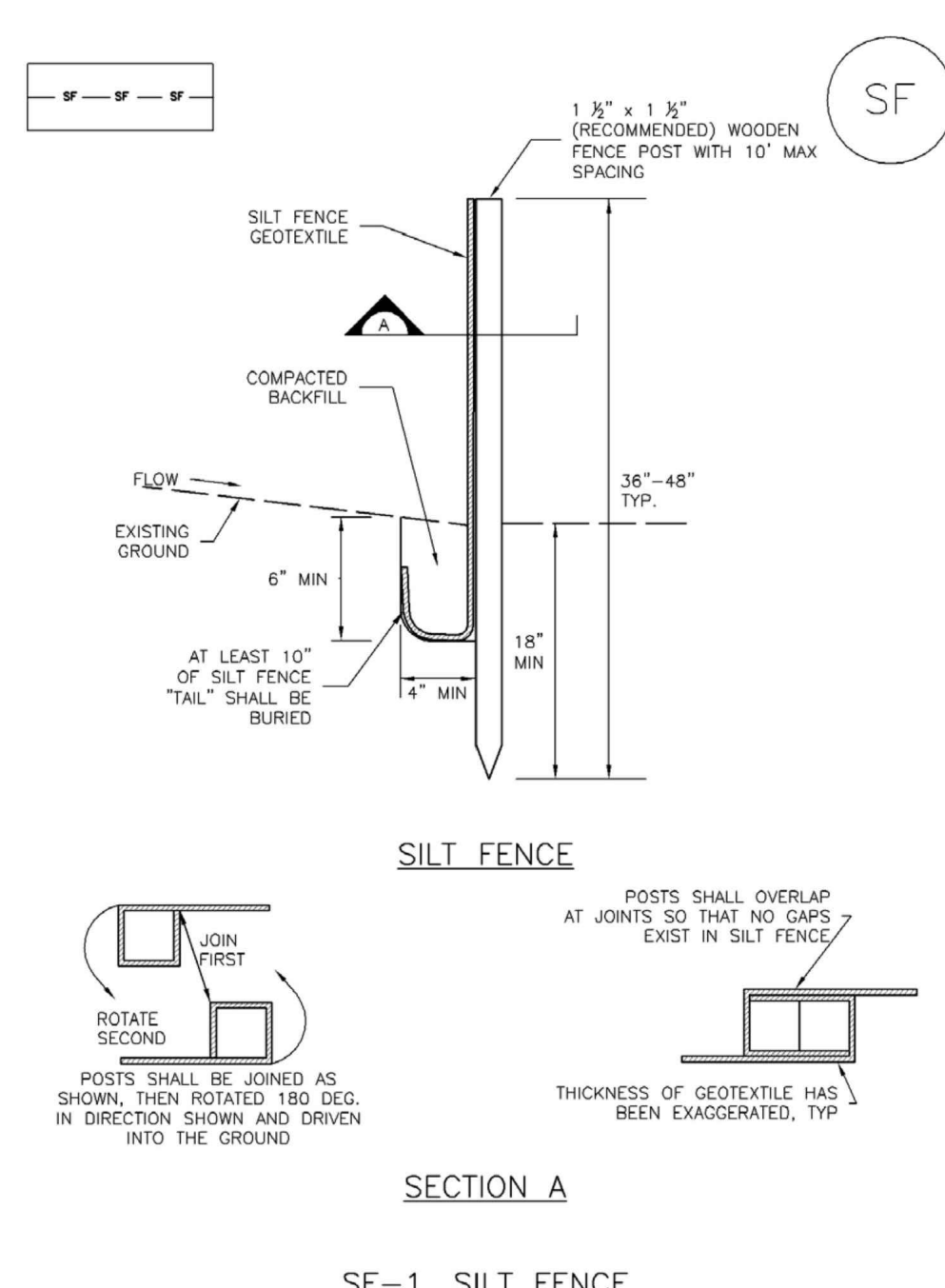
Vehicle Tracking Control (VTC) SM-4



VTC-3. VEHICLE TRACKING CONTROL W/ CONSTRUCTION MAT OR TURF REINFORCEMENT MAT (TRM)

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 VTC-5

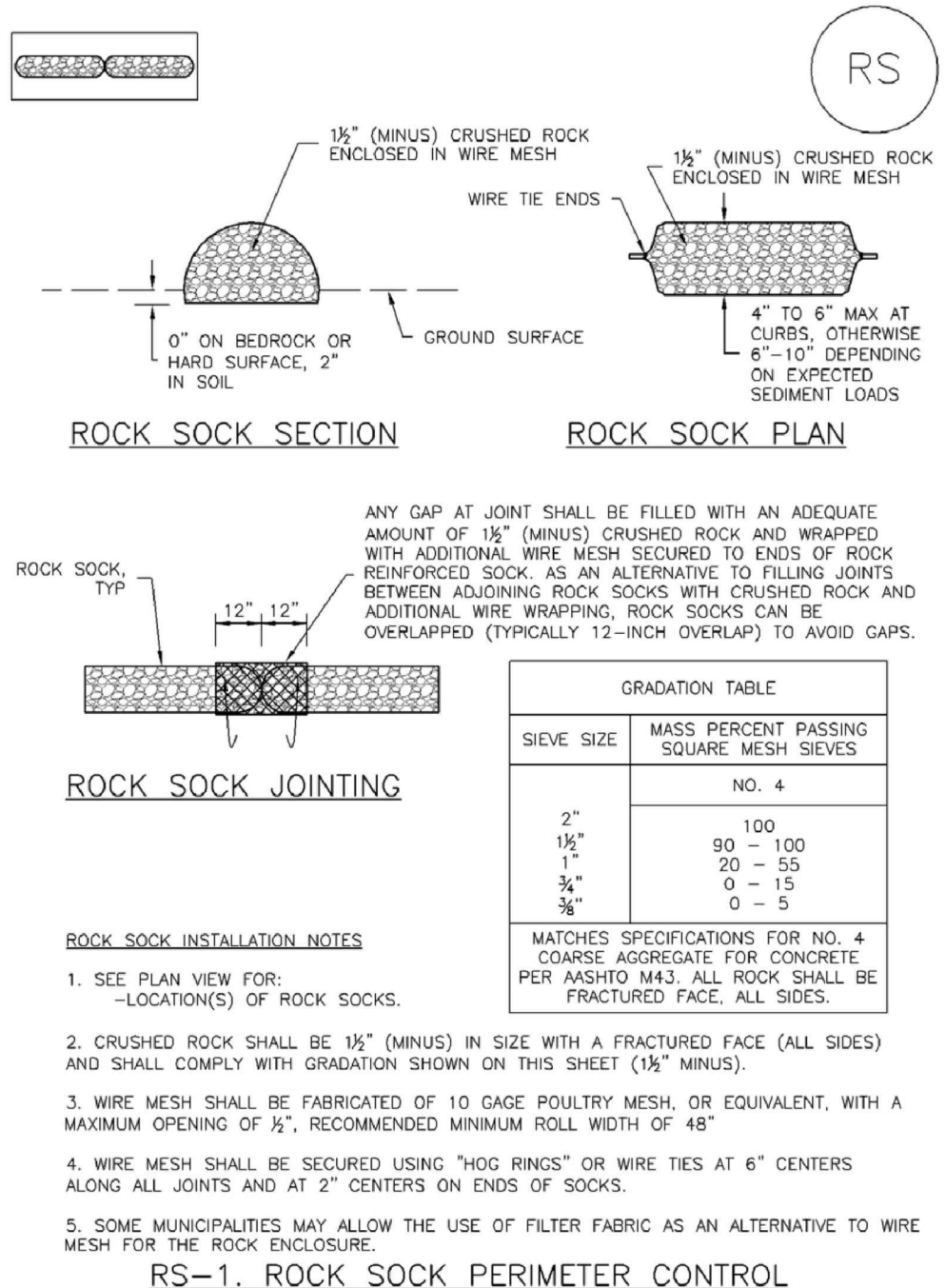
SF-1 Silt Fence (SF)



SF-1. SILT FENCE

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SF-3

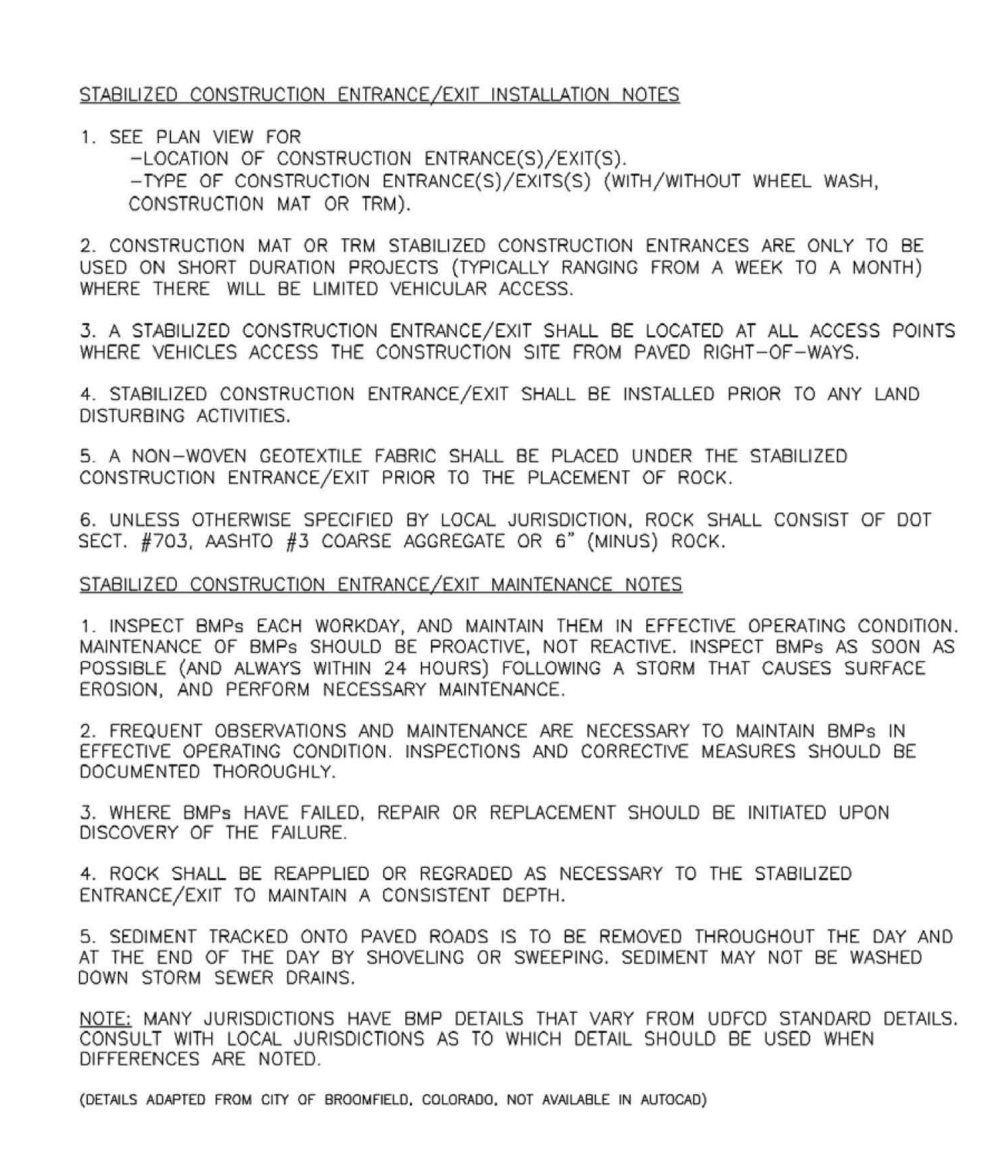
SC-5 Rock Sock (RS)



RS-1. ROCK SOCK PERIMETER CONTROL

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SC-5

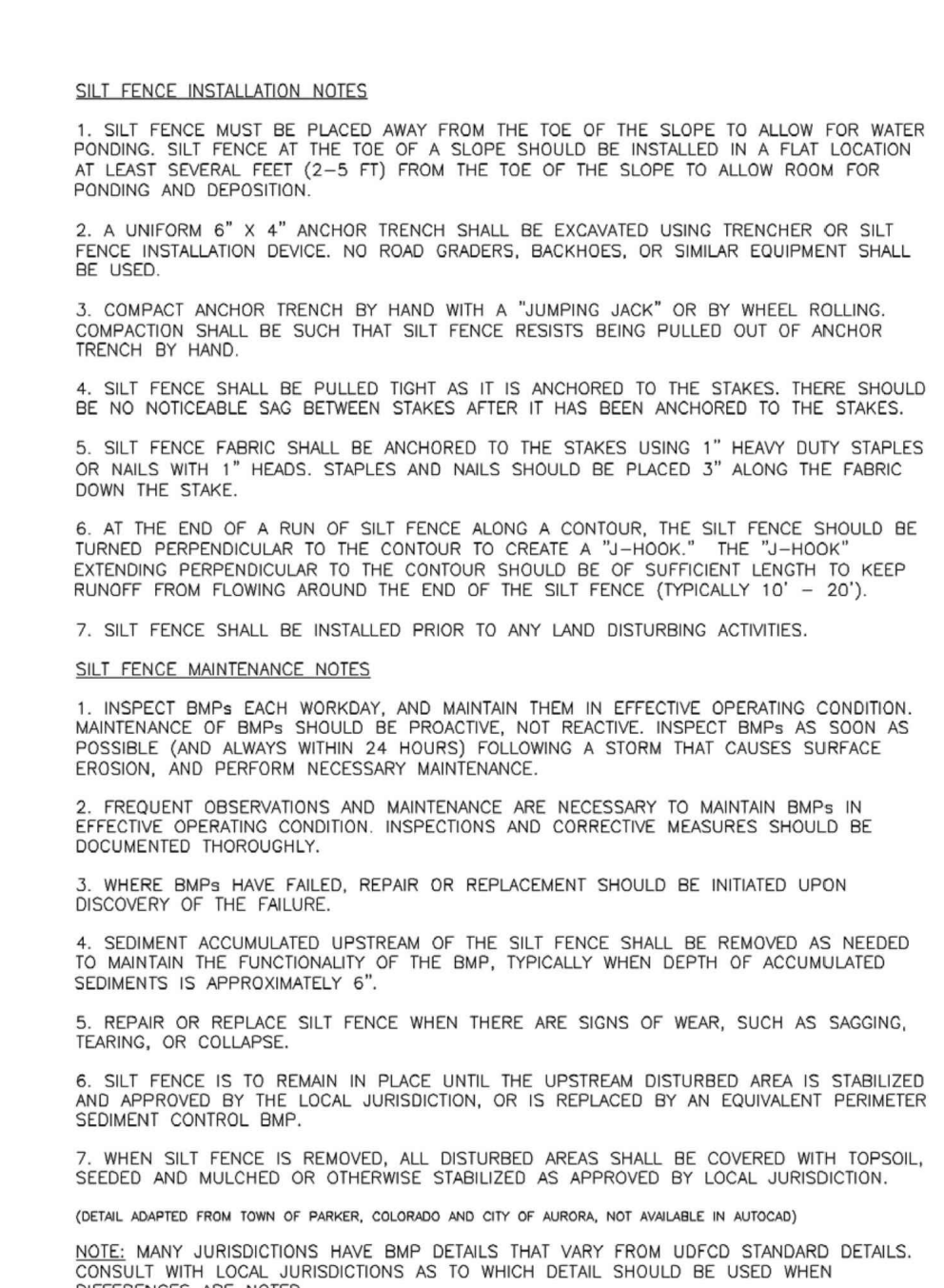
SM-4 Vehicle Tracking Control (VTC)



VTC-3. VEHICLE TRACKING CONTROL W/ CONSTRUCTION MAT OR TURF REINFORCEMENT MAT (TRM)

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 VTC-6

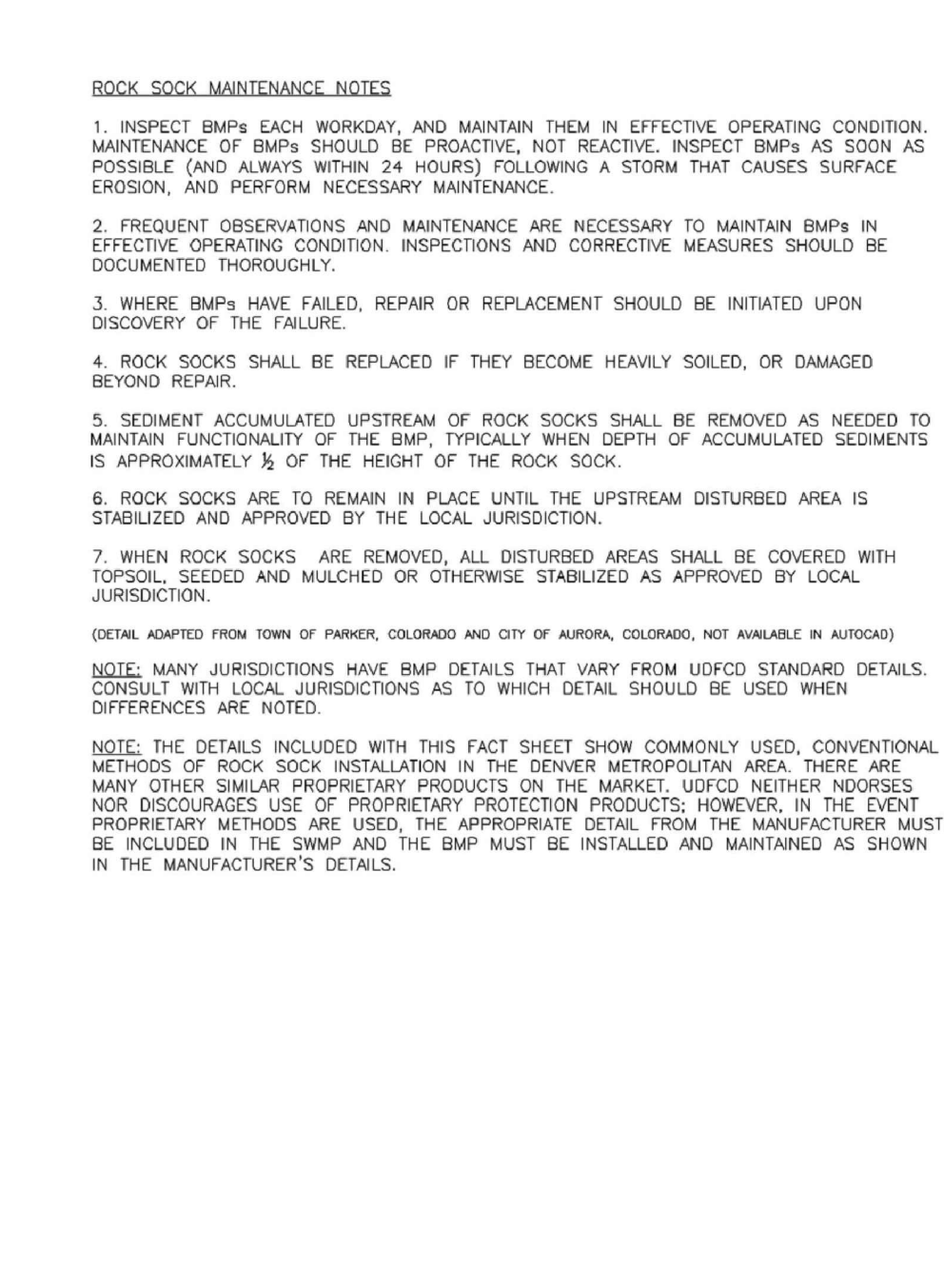
SC-1 Silt Fence (SF)



SF-1. SILT FENCE

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SF-4

SC-5 Rock Sock (RS)



RS-1. ROCK SOCK PERIMETER CONTROL

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SC-5



EC-6 Rolled Erosion Control Products (RECP) ECB

ECB-1. PIPE OUTLET TO DRAINAGEWAY

ECB-2. SMALL DITCH OR DRAINAGEWAY

ECB-3. OUTSIDE OF DRAINAGEWAY

STAKING PATTERNS BY ECB TYPE

STAKING PATTERNS BY SLOPE OR CHANNEL TYPE

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 RECP-6

EC-6 Rolled Erosion Control Products (RECP) ECB

STAKING PATTERNS BY ECB TYPE

STAKING PATTERNS BY SLOPE OR CHANNEL TYPE

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 RECP-7

EC-6 Rolled Erosion Control Products (RECP)

EROSION CONTROL BLANKET INSTALLATION NOTES

- SEE PLAN VIEW FOR LOCATION OF ECB.
- INSPECT BUMP EACH WORKDAY AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION.
- WHERE BUMP HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY IF RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.

TYPE	COCONUT CONTENT	STRAW CONTENT	EXCELISOR CONTENT	RECOMMENDED NETTING**
STRAW	-	100%	-	DOUBLE NATURAL
STRAW/COCONUT	30% MIN	70% MAX	-	DOUBLE NATURAL
COCONUT	100%	-	-	DOUBLE NATURAL
EXCELISOR	-	-	100%	DOUBLE NATURAL

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 RECP-8

EC-6 Rolled Erosion Control Products (RECP) ECB

EROSION CONTROL BLANKET MAINTENANCE NOTES

- INSPECT BUMP EACH WORKDAY AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION.
- WHERE BUMP HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY IF RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 RECP-9

SM-6 Stabilized Staging Area (SSA) SSA

SSA-1. STABILIZED STAGING AREA

STABILIZED STAGING AREA INSTALLATION NOTES

- SEE PLAN VIEW FOR LOCATION OF STAGING AREA(S).
- STABILIZED STAGING AREA SHOULD BE APPROPRIATE FOR THE NEEDS OF THE SITE.
- STAGING AREA SHALL BE STABILIZED PRIOR TO OTHER OPERATIONS ON THE SITE.
- THE STABILIZED STAGING AREA SHALL CONSIST OF A MINIMUM 3" THICK GRANULAR MATERIAL.
- UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SPEC #203 ASBESTOS #1 CORNER AGGREGATE OR #4 QUARRY ROCK.
- ADDITIONAL PERIMETER BUMPS MAY BE REQUIRED INCLUDING BUT NOT LIMITED TO SILT FENCE AND CONSTRUCTION FENCING.

STABILIZED STAGING AREA MAINTENANCE NOTES

- INSPECT BUMP EACH WORKDAY AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION.
- WHERE BUMP HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY IF RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SSA-3

SM-6 Stabilized Staging Area (SSA) SSA

STABILIZED STAGING AREA MAINTENANCE NOTES

- INSPECT BUMP EACH WORKDAY AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION.
- WHERE BUMP HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY IF RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SSA-4

MM-6 Stockpile Management (SP) MM-2

SP-1. STOCKPILE PROTECTION

STOCKPILE PROTECTION INSTALLATION NOTES

- SEE PLAN VIEW FOR LOCATION OF STOCKPILES.
- INSTALL PERIMETER CONTROLS IN ACCORDANCE WITH THEIR RESPECTIVE DESIGN DETAILS.
- STABILIZE THE STOCKPILE SURFACE WITH SURFACE ROUGHENING, TEMPORARY SEEDING AND MULCHING.
- FOR TEMPORARY STOCKPILES ON THE INTERIOR PORTION OF A CONSTRUCTION SITE, WHERE OTHER DOWNGRADIENT CONTROLS, INCLUDING PERIMETER CONTROL, ARE IN PLACE, STOCKPILE PERIMETER CONTROLS MAY NOT BE REQUIRED.

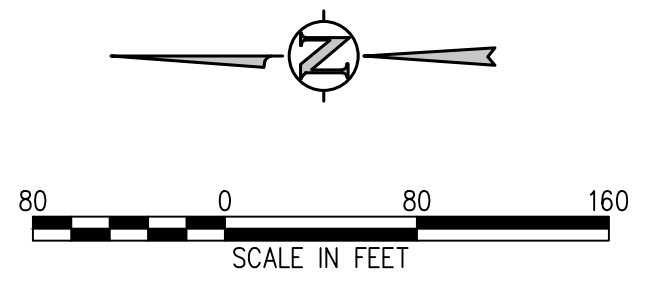
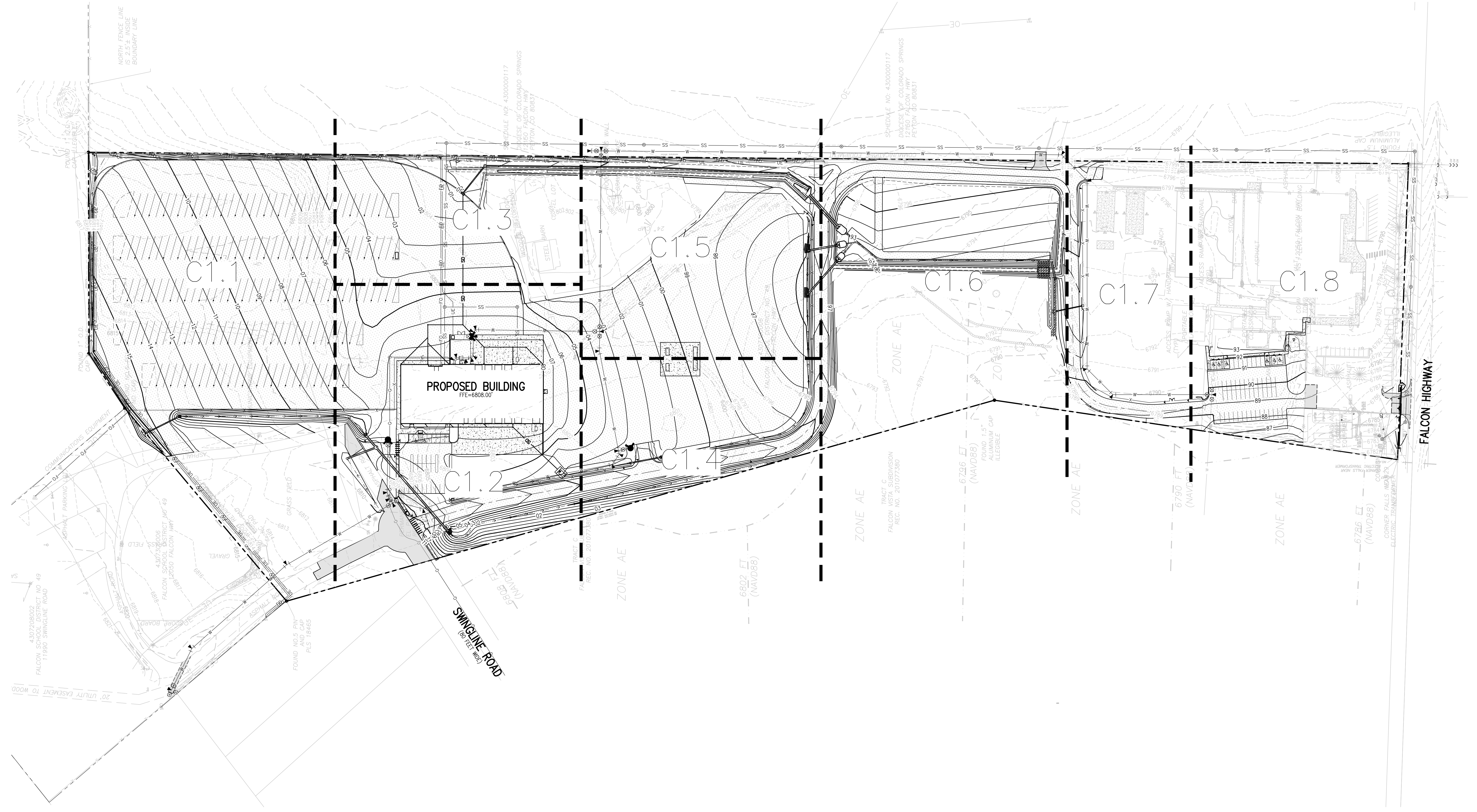
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SP-3

MM-2 Stockpile Management (SM) MM-2

STOCKPILE PROTECTION MAINTENANCE NOTES

- INSPECT BUMP EACH WORKDAY AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION.
- WHERE BUMP HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY IF RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.

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- GRADING AND DRAINAGE NOTES:**
1. CONTRACTOR TO FIELD VERIFY ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. REFER TO GENERAL NOTES FOR UTILITY LOCATION AND PROTECTION.
 2. REFER TO HORIZONTAL CONTROL PLAN FOR FURTHER INFORMATION PERTAINING TO CURB & GUTTER, CHASES, AND DRAINAGE PANS.
 3. CONTRACTOR IS RESPONSIBLE FOR RESTORING ALL DISTURBED AREAS TO THEIR ORIGINAL CONDITIONS.
 4. ALL SPOT ELEVATIONS ARE TO FINISHED GRADE OR FLOWLINE UNLESS OTHERWISE SPECIFIED.
 5. IF WALL IS SHOWN, TG DENOTES THE FINISHED GRADE ADJACENT TO THE HIGH SIDE OF THE WALL. BG DENOTES THE FINISHED GRADE ADJACENT TO THE LOW SIDE OF THE WALL. REFER TO ARCH PLANS/DETAILS FOR WALL ELEVATIONS BEYOND THE ADJACENT FINISHED GRADES (EXPOSED WALL, CAP/FOOTER, ETC.)

D49 TRANSPORTATION CENTER
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SHEET TITLE
OVERALL GRADING AND DRAINAGE PLAN

WTA PROJECT NUMBER
2021-041.00
DATE
01/25/2023

ISSUED FOR
CONSTRUCTION DOCUMENTS

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D49 TRANSPORTATION CENTER
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11971 SWINGLINE ROAD
PEYTON, CO 80831



SHEET TITLE
GRADING AND DRAINAGE PLAN A

WTA PROJECT NUMBER
2021-041.00

DATE
01/25/2023

REVISIONS

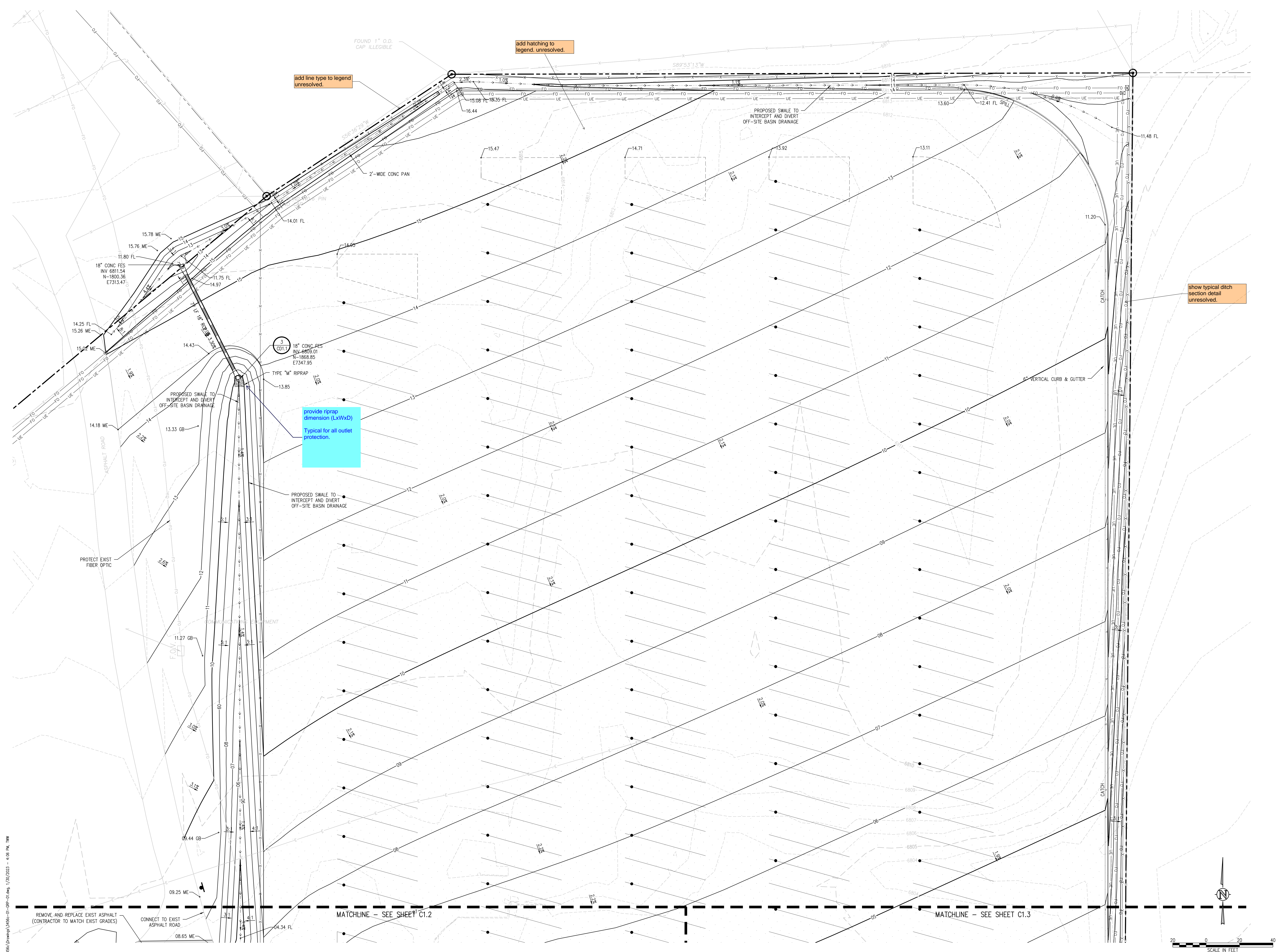
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DESIGNED BY: **CWK/HCM**

DRAWN BY: **TW/AMB**

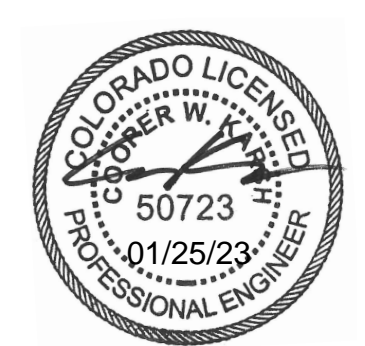
CHECKED BY: **CWK**

ISSUED FOR: **CONSTRUCTION DOCUMENTS**



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SCHOOL DISTRICT NO 49
 11971 SWINGLINE ROAD
 PEYTON, CO 80831



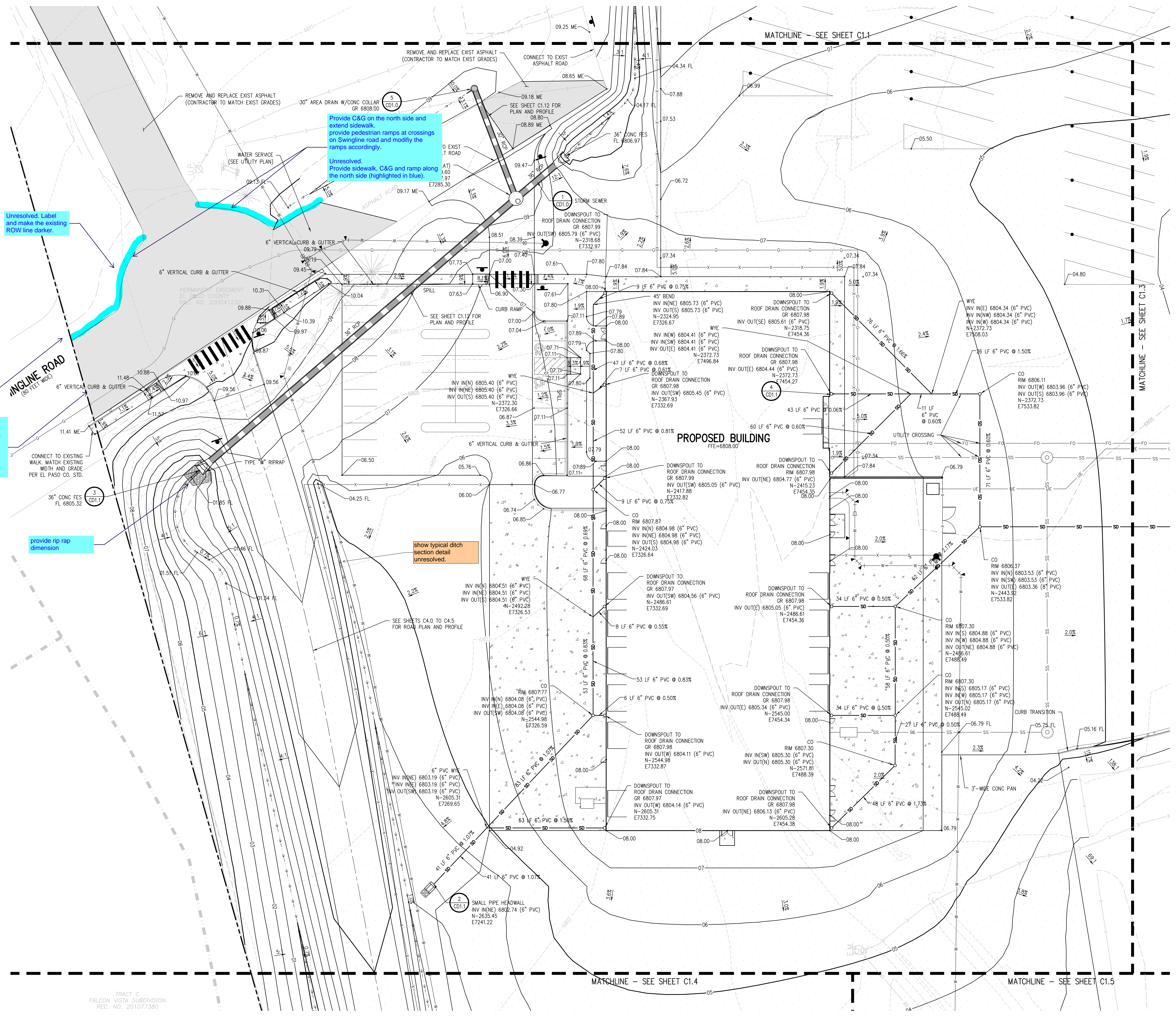
GRADING AND DRAINAGE PLAN B

DATE: 01/25/2023
 SHEET NO: 2021-041-00

REVISIONS:
 # DATE DESCRIPTION

DESIGNED BY: CWK/HCM
 CHECKED BY: TWW/AMB
 DRAWN BY: CWK

C1.2



Provide C&G on the north side and extend sidewalk. Provide pedestrian ramps at crossings on Swingline road and modify the ramps accordingly. Unresolved. Provide sidewalk, C&G and ramp along the north side (highlighted in blue).

Unresolved. Label and make the existing ROW line darker.

Show the existing offsite C&G and sidewalk. Proposed sidewalk to connect to the existing sidewalk. Unresolved.

provide rip rap dimension

show typical ditch section detail unresolved.

TRACT C
 FALCON VISTA SUBDIVISION
 REC. NO. 201077380



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SHEET TITLE
GRADING AND DRAINAGE PLAN C

RTA PROJECT NUMBER
2021-041.00

DATE
01/25/2023

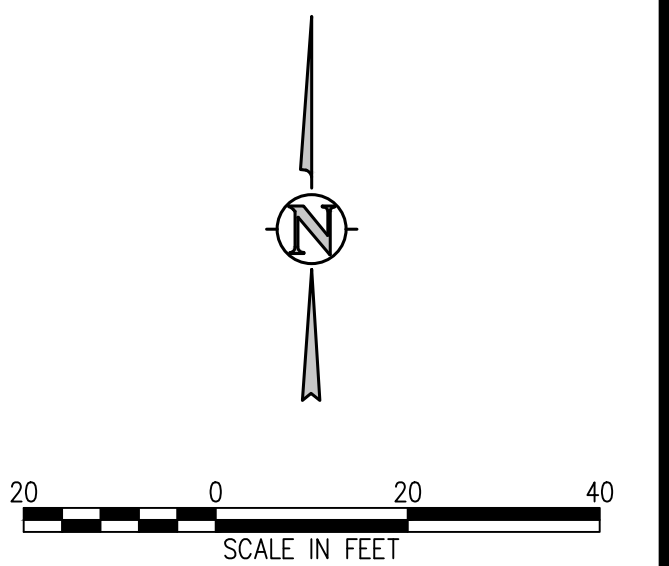
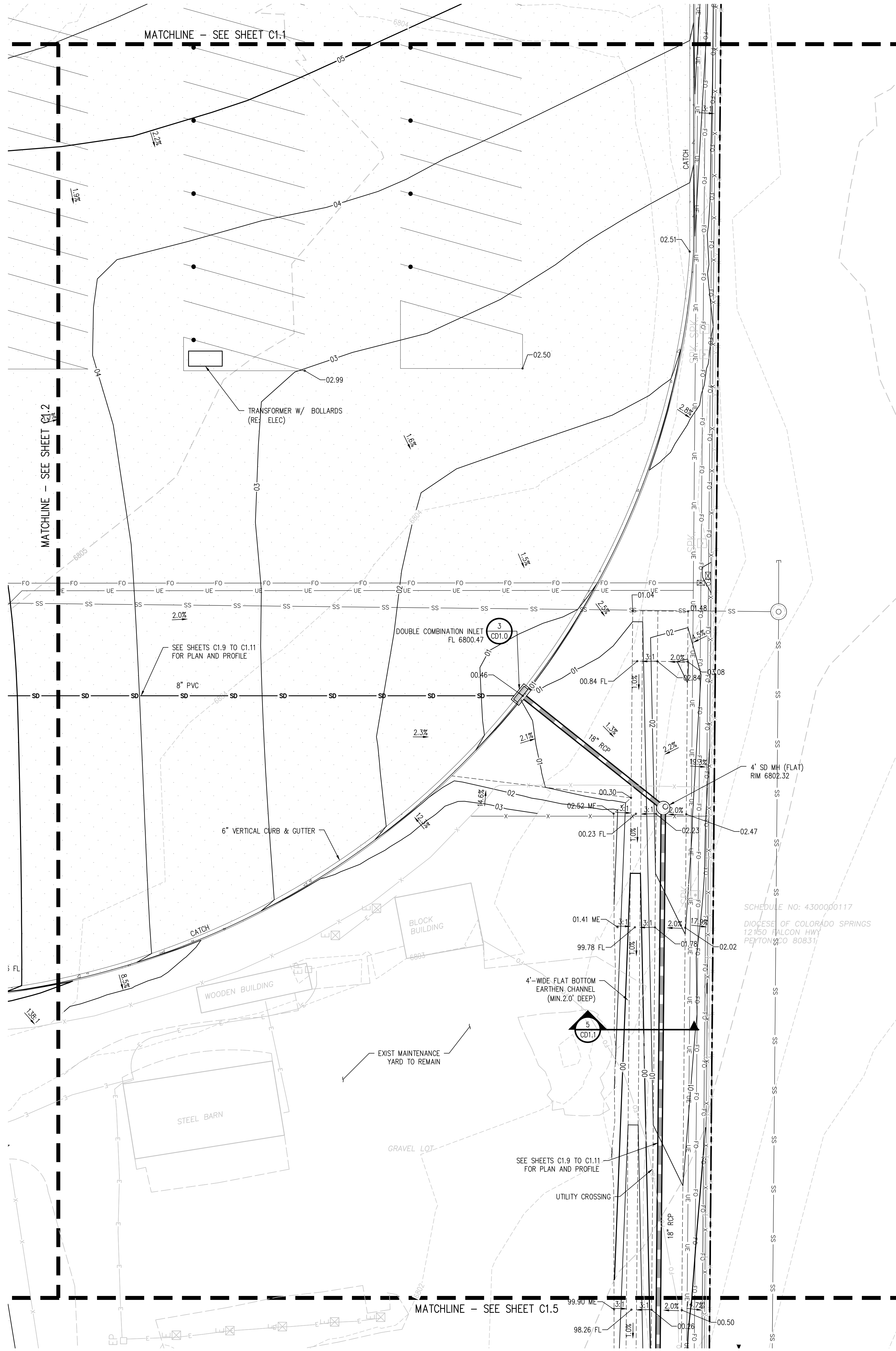
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C1.3



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19 SOUTH TEJON ST., SUITE 300
 COLORADO SPRINGS, CO. 80903
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 www.rtaarchitects.com

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GRADING AND DRAINAGE PLAN D

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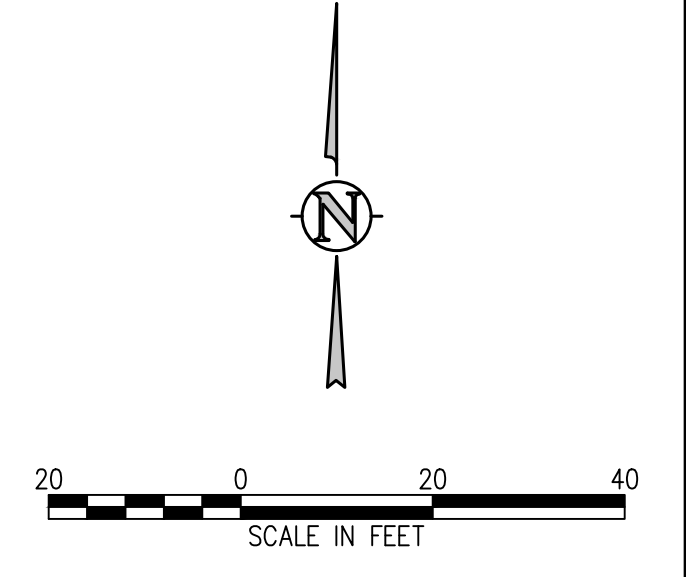
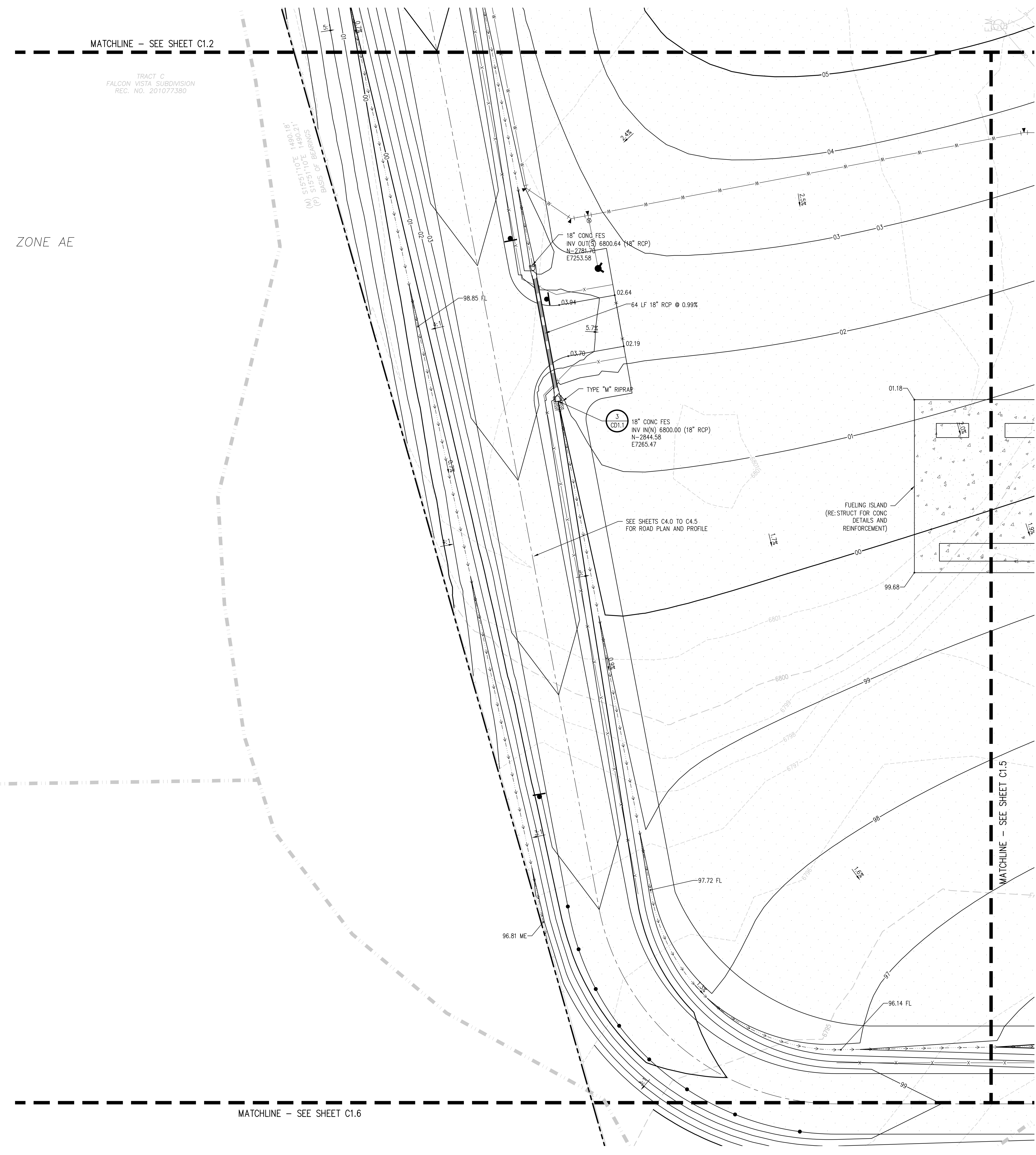
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C1.4



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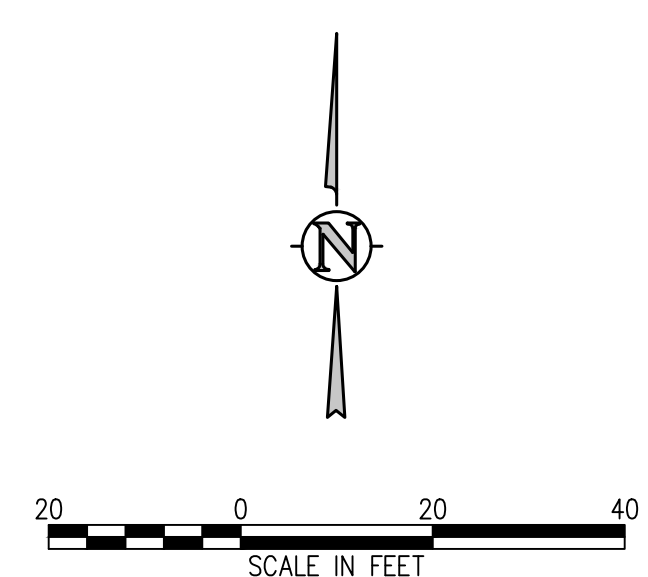
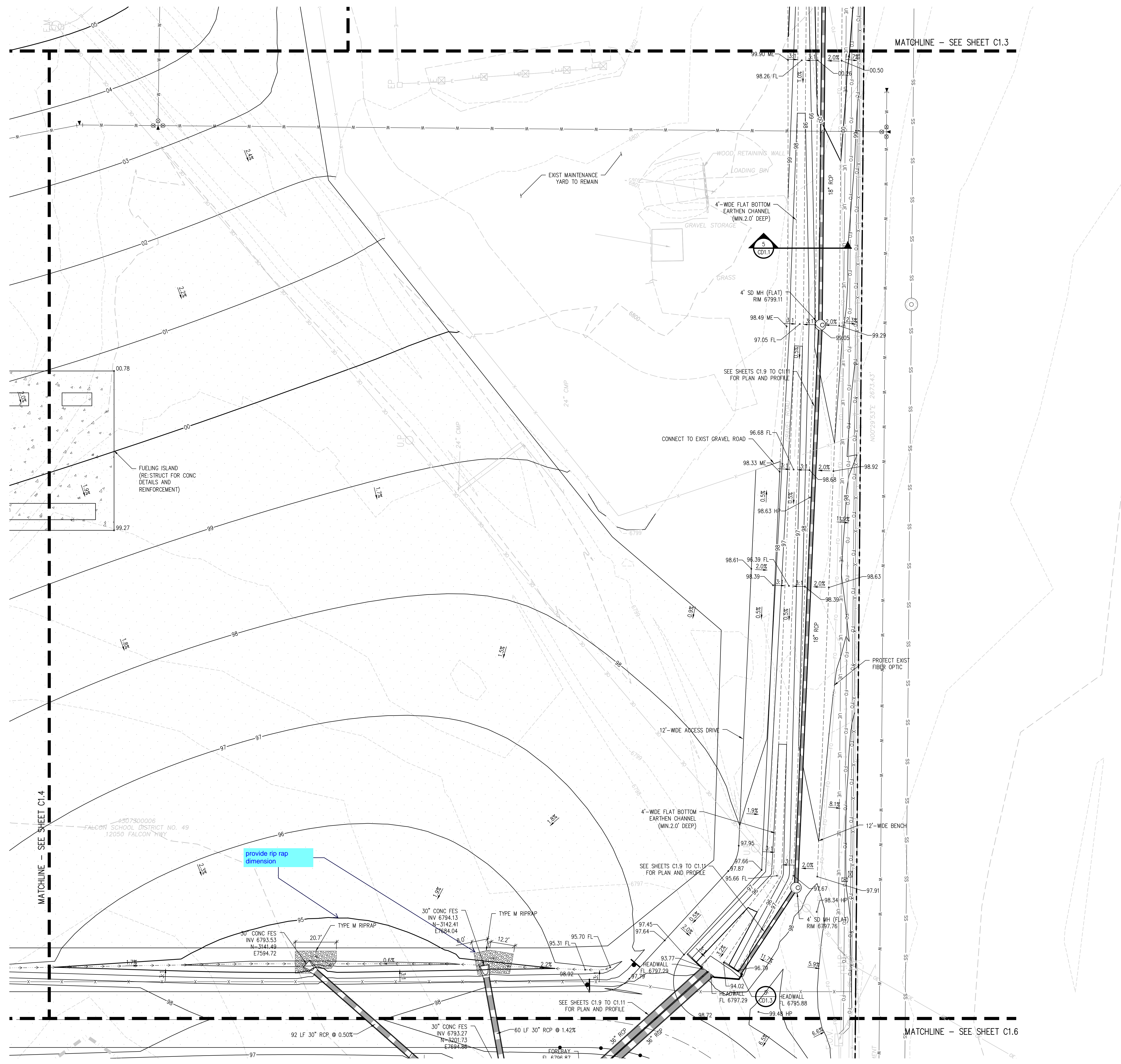
GRADING AND DRAINAGE PLAN E

PROJECT NUMBER: **2021-041-00**
 DATE: **01/25/2023**

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C1.5



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SCHOOL DISTRICT NO 49
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PEYTON, CO 80831



PROJECT TITLE
GRADING AND DRAINAGE PLAN F

PROJECT NUMBER
2021-041.00

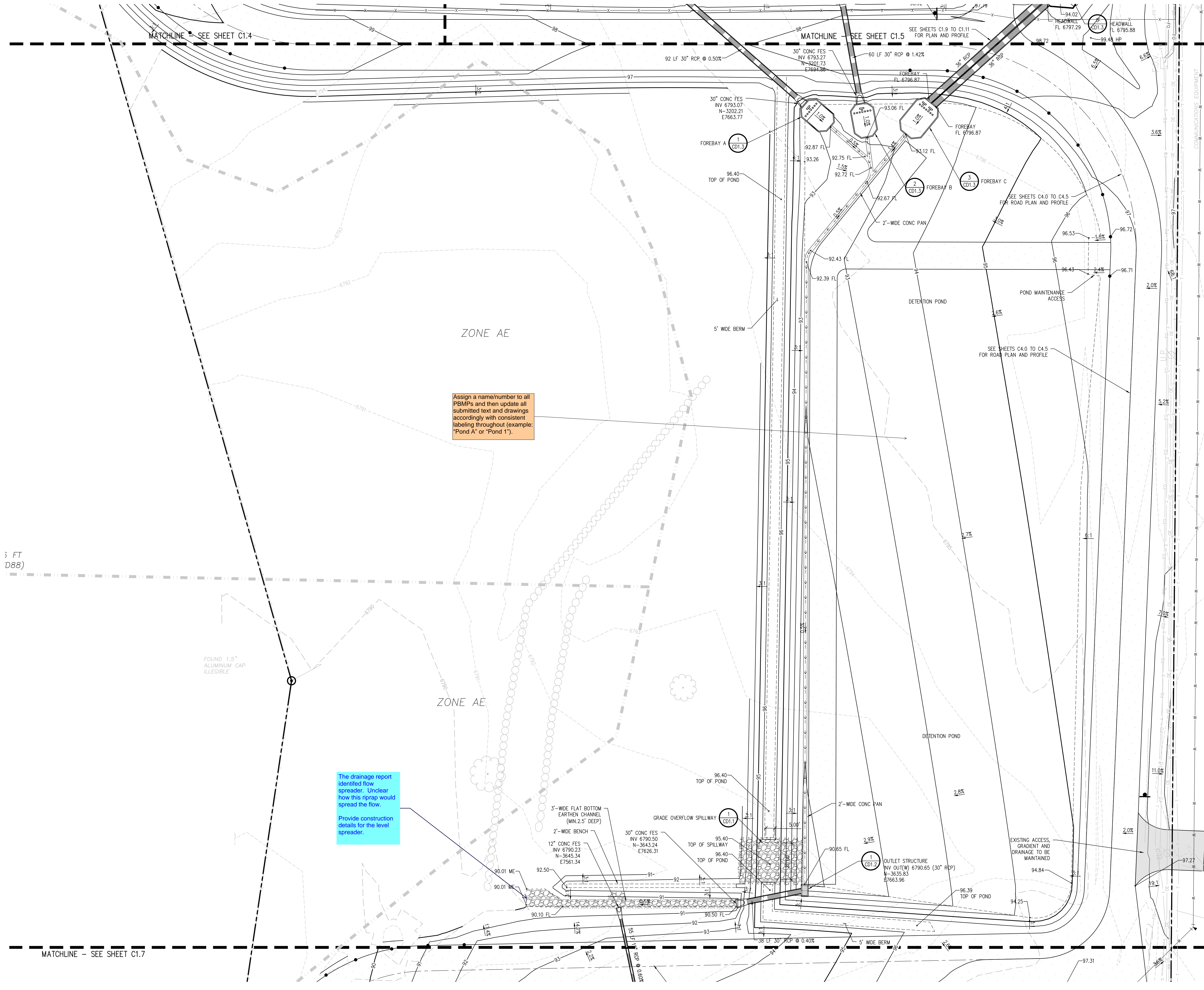
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DATE: **CWK**

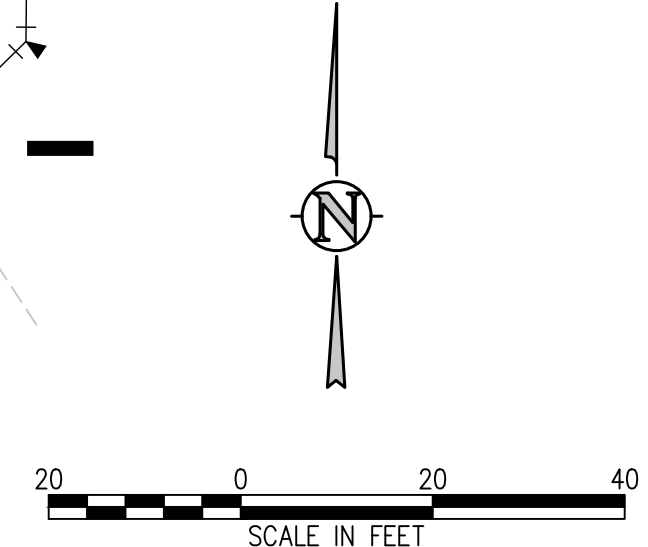
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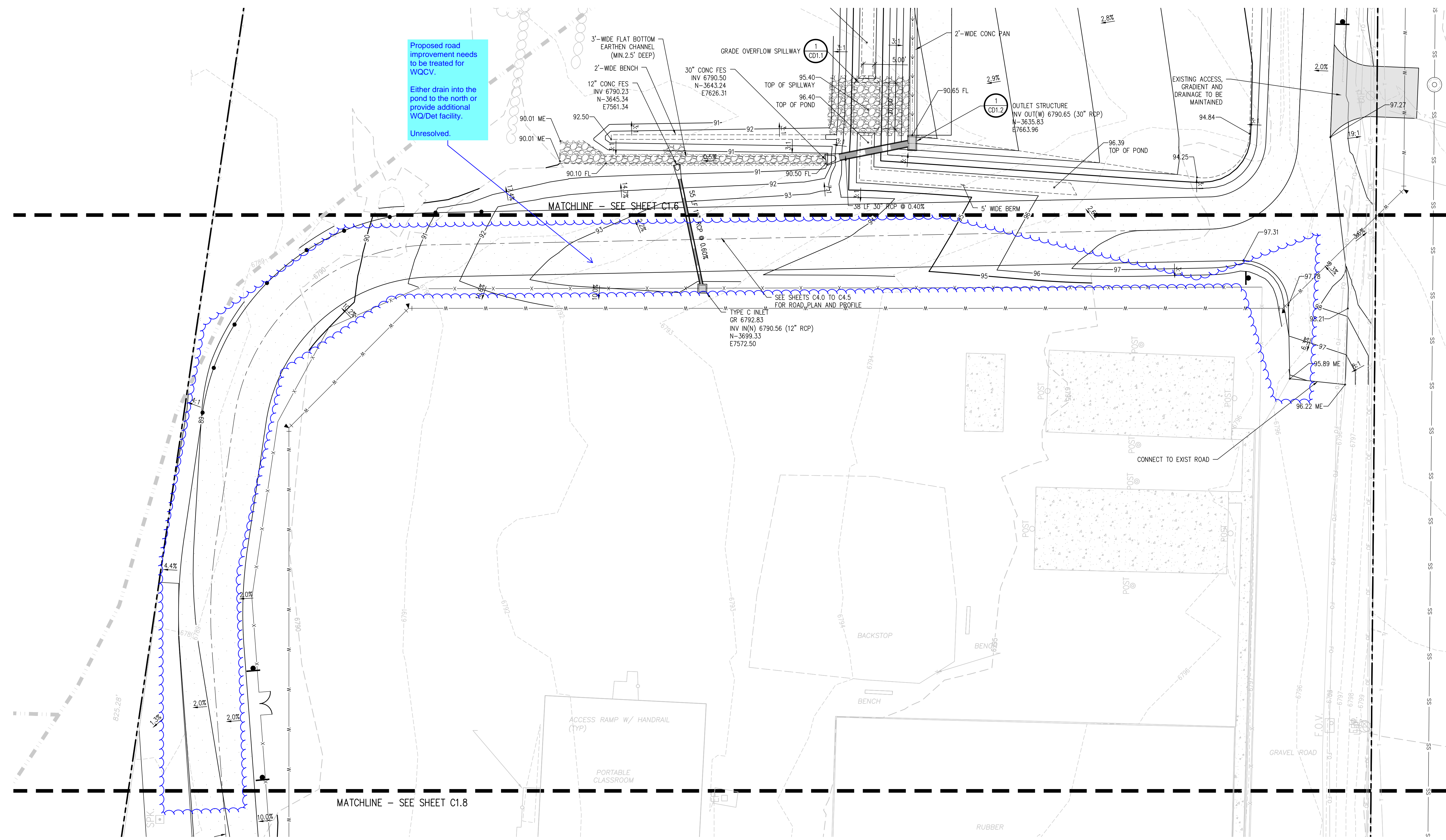
C1.6



Assign a name/number to all PBMPs and then update all submitted text and drawings accordingly with consistent labeling throughout (example: "Pond A" or "Pond 1").

The drainage report identified flow spreader. Unclear how this riprap would spread the flow. Provide construction details for the level spreader.





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SHEET TITLE
GRADING AND DRAINAGE PLAN G

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2021-041.00

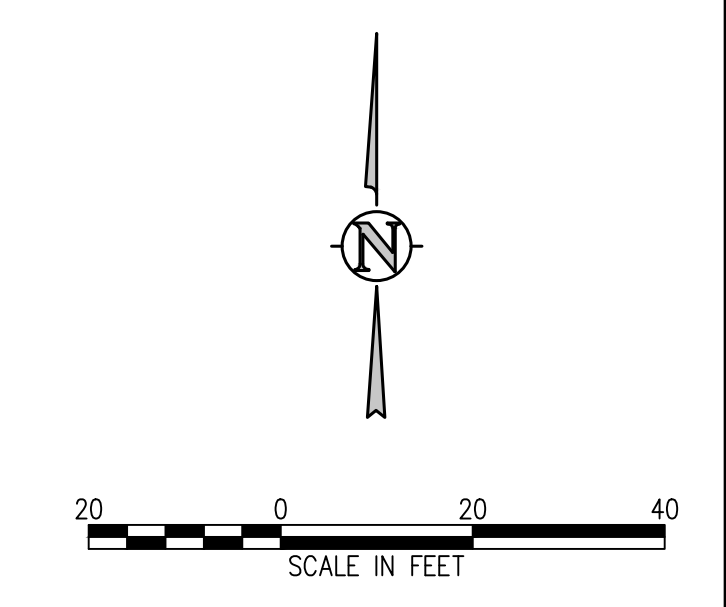
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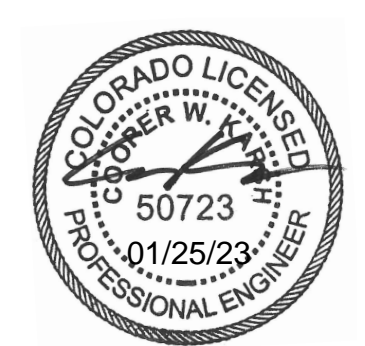
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SCHOOL DISTRICT NO 49**
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SHEET TITLE
**GRADING AND DRAINAGE
PLAN H**

DATE PROJECT NUMBER
2021-041.00

DATE REVISIONS
01/25/2023

DESIGNED BY: **CKW/HCM**
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DATE: **01/25/2023**

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C1.8

1. Design Discharge	
A) 2 Year Peak Flow Rate of the Area Draining to the Grass Buffer	1.0 cfs
B) Minimum Width of Grass Buffer	20.00'
C) Length of Grass Buffer (14' or greater recommended)	20.00'
D) Buffer Slope (in the direction of flow, not to exceed 5:1 R/F)	4.0%
5. Flow Characteristics (sheet or concentrated)	
A) Does runoff flow into the grass buffer across the entire width of the buffer?	Yes
B) Washed Flow Length	20.00'
C) Vertical Slope (normal to flow)	0.0%
D) Type of Flow (Sheet Flow, $V_1 \leq 1$, $V_2 \leq 1$; Concentrated Flow, $V_1 > 1$, $V_2 > 1$)	Sheet Flow
6. Flow Distribution for Concentrated Flows	
A) Choose One	<input type="checkbox"/> None (Sheet Flow) <input type="checkbox"/> Parallel Curbs <input type="checkbox"/> Level Spreader <input checked="" type="checkbox"/> Other (Specify)
Majority grass surface, cross slope, runoff to discharge onto grass buffer.	

These two values should be switched.

The length of grass buffer is based on direction of flow. The plans show 20' for length.

Buffer slope does not match the plans which is shown at approximately 4%.

Grass buffer design does not match the drainage report worksheet. Update accordingly.

As noted by MHFD DCM Grass buffer is for LID/Volume Reduction and does not function for WQCV.

Provide the associated runoff reduction worksheet to show that provided the design reduces volume for WQCV down to zero or provide a standard permanent WQ facility.

Grass Buffer	
Function	Yes/No
LID/Volume Red.	Yes
WQCV Capture	No
WQCV Flood Control	No
First Street Inflow	No
ULIV Guidance	No
Typical Efficiencies for Targeted Pollutants	Good
Sediment Retention	Good
Nutrient	Medium

Design Worksheet Form - Runoff Reduction

Sheet C1.8

DATE: 01/25/2023

PROJECT: D49 TRANSPORTATION CENTER

LOCATION: 11971 SWINGLINE ROAD, PEYTON, CO

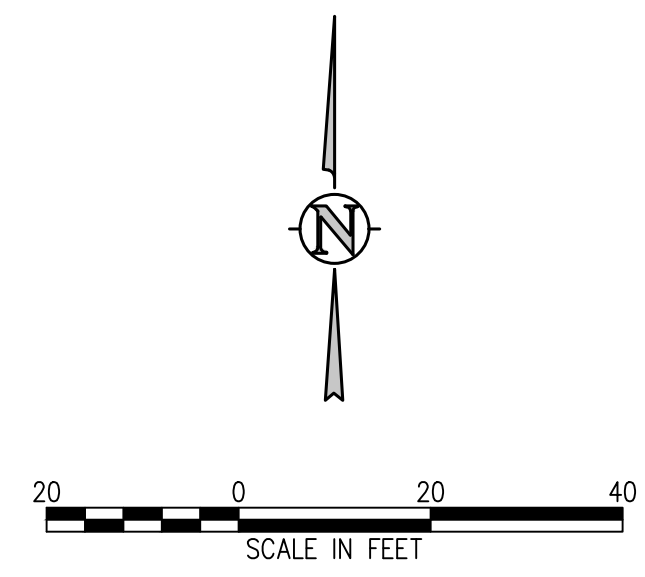
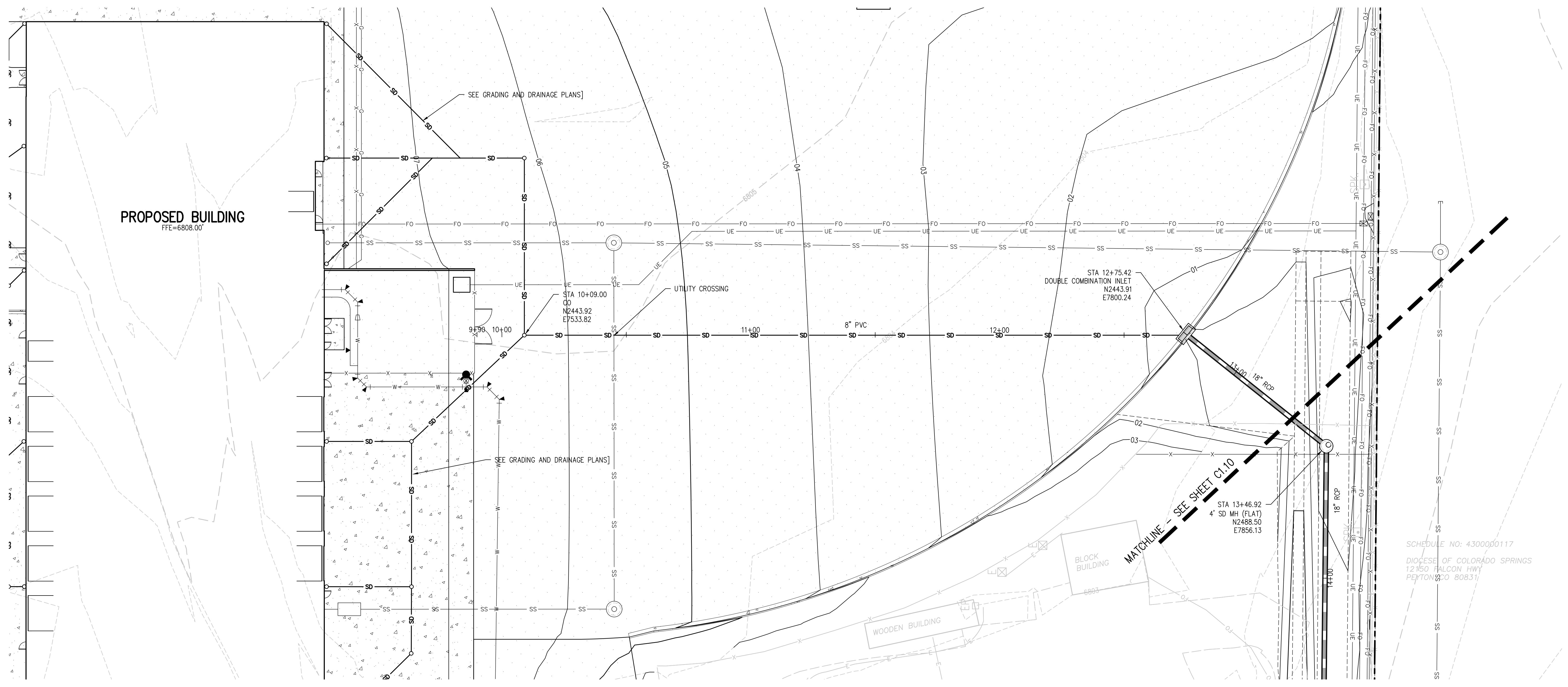
DESIGNER: RTA ARCHITECTS

SCALE: AS SHOWN

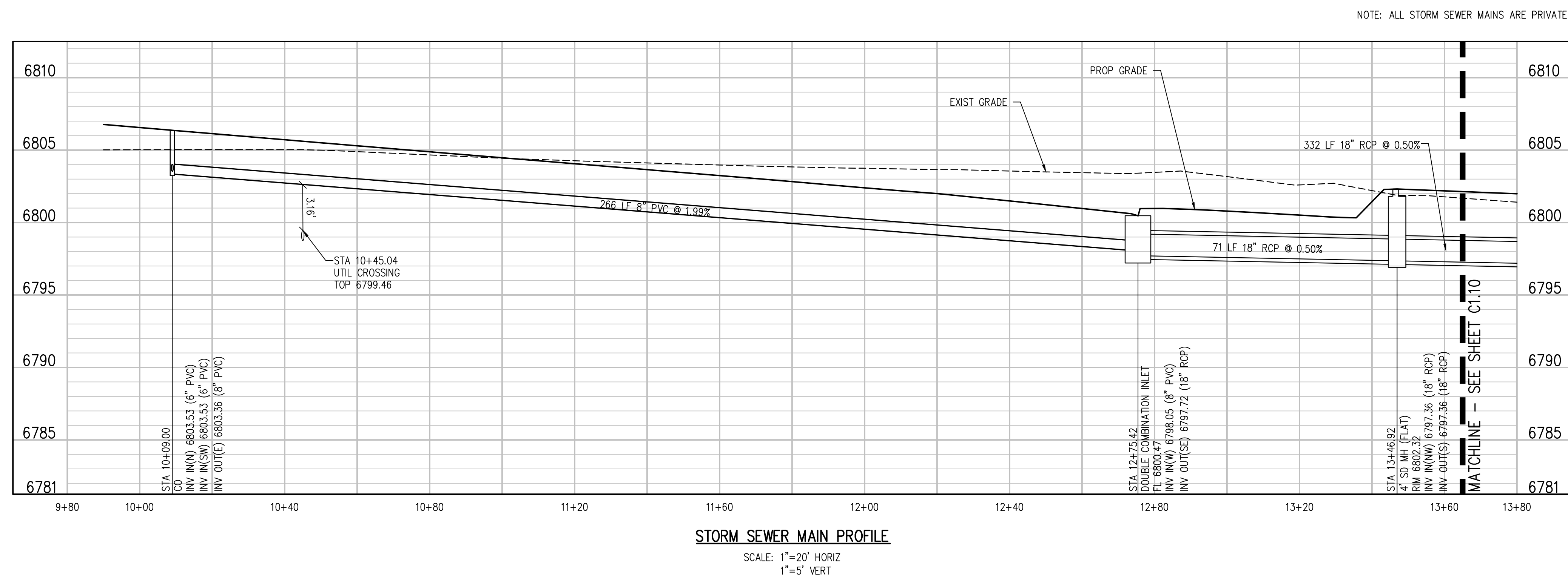
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STORM SEWER MAIN PLAN
SCALE: 1"=20'



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SHEET TITLE
STORM SEWER MAIN PLAN AND PROFILE

WTA PROJECT NUMBER
2021-041.00
DATE
01/25/2023

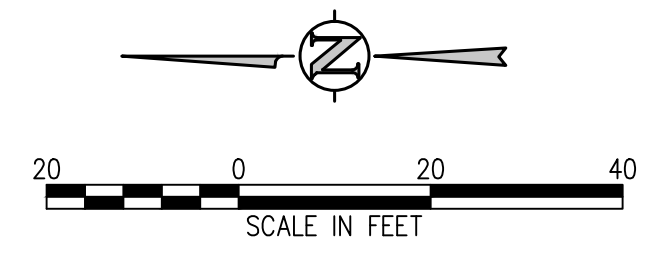
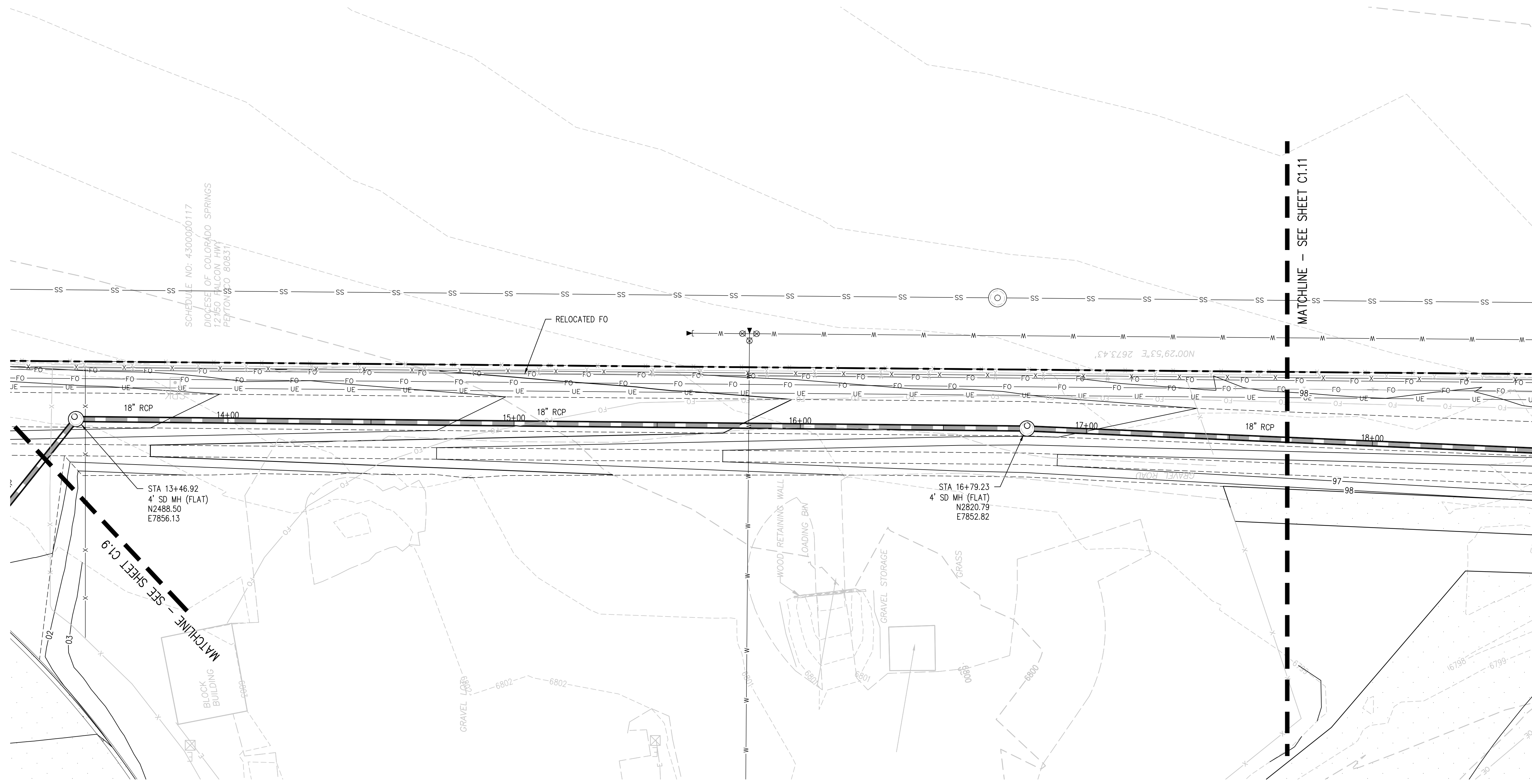
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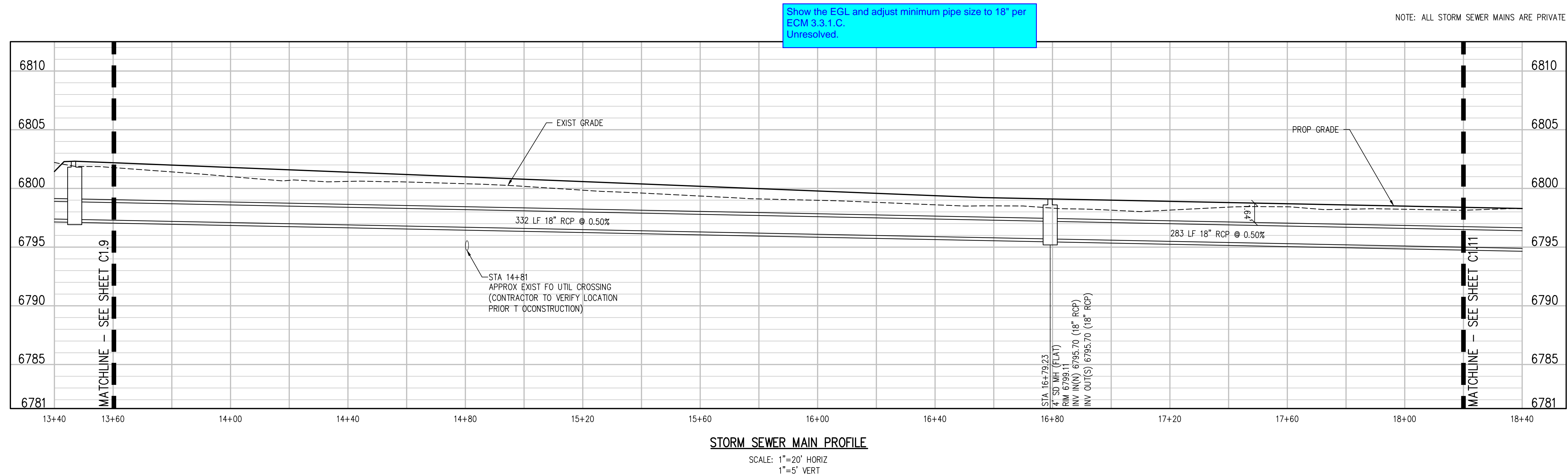
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C1.9

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STORM SEWER MAIN PLAN
 SCALE: 1"=20'



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SHEET TITLE
**STORM SEWER
 MAIN PLAN
 AND PROFILE**

RTA PROJECT NUMBER
2021-041.00
 DATE
01/25/2023

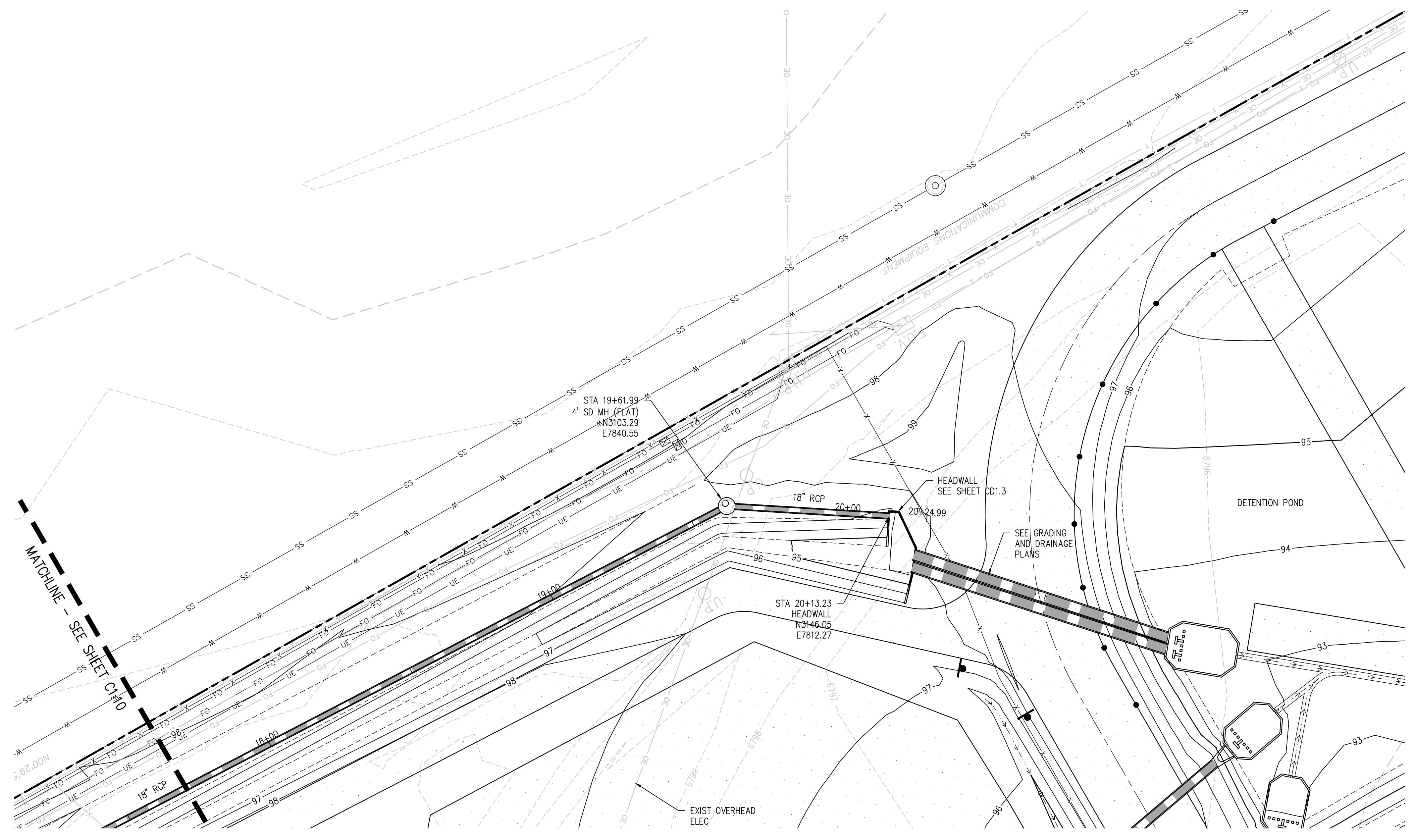
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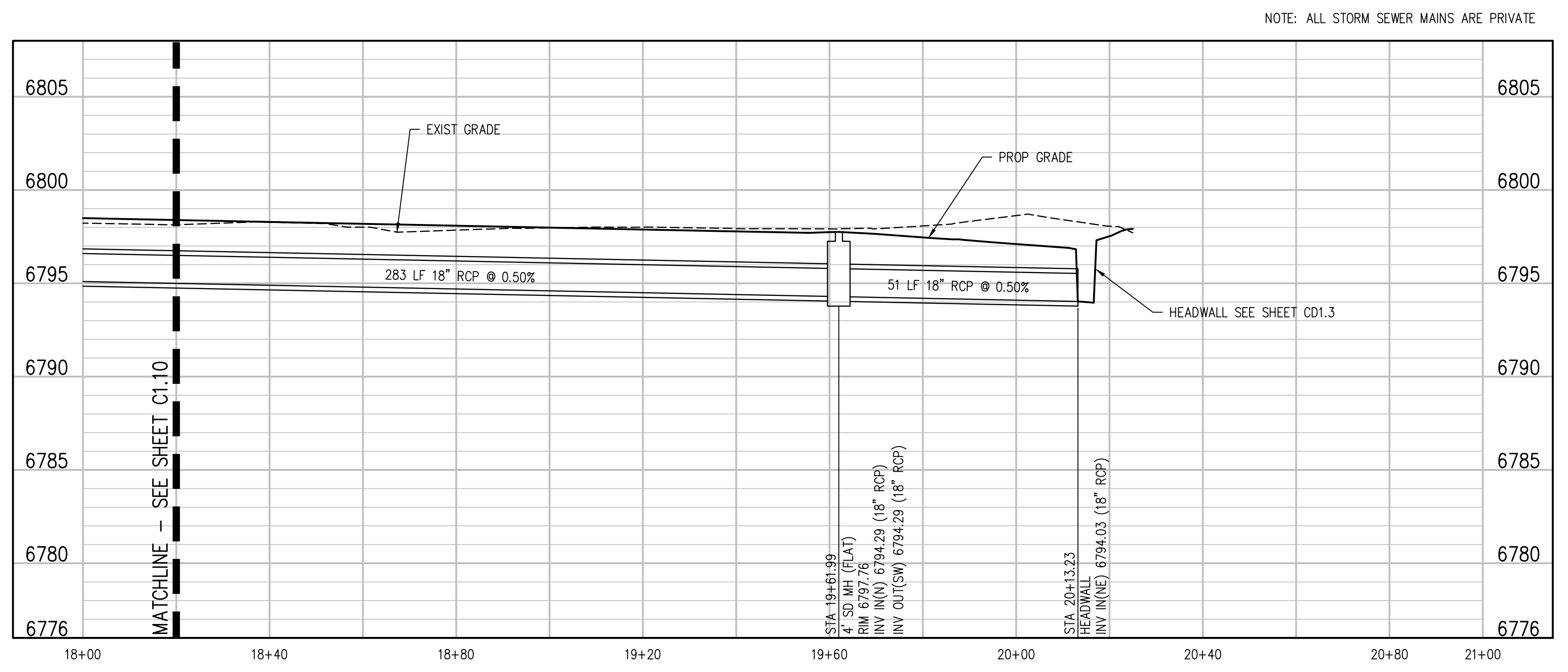
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C1.10

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STORM SEWER MAIN PLAN
SCALE: 1"=20'



STORM SEWER MAIN PROFILE
SCALE: 1"=20' HORIZ
1"=5' VERT

D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831



SHEET TITLE
**STORM SEWER
MAIN PLAN
AND PROFILE**

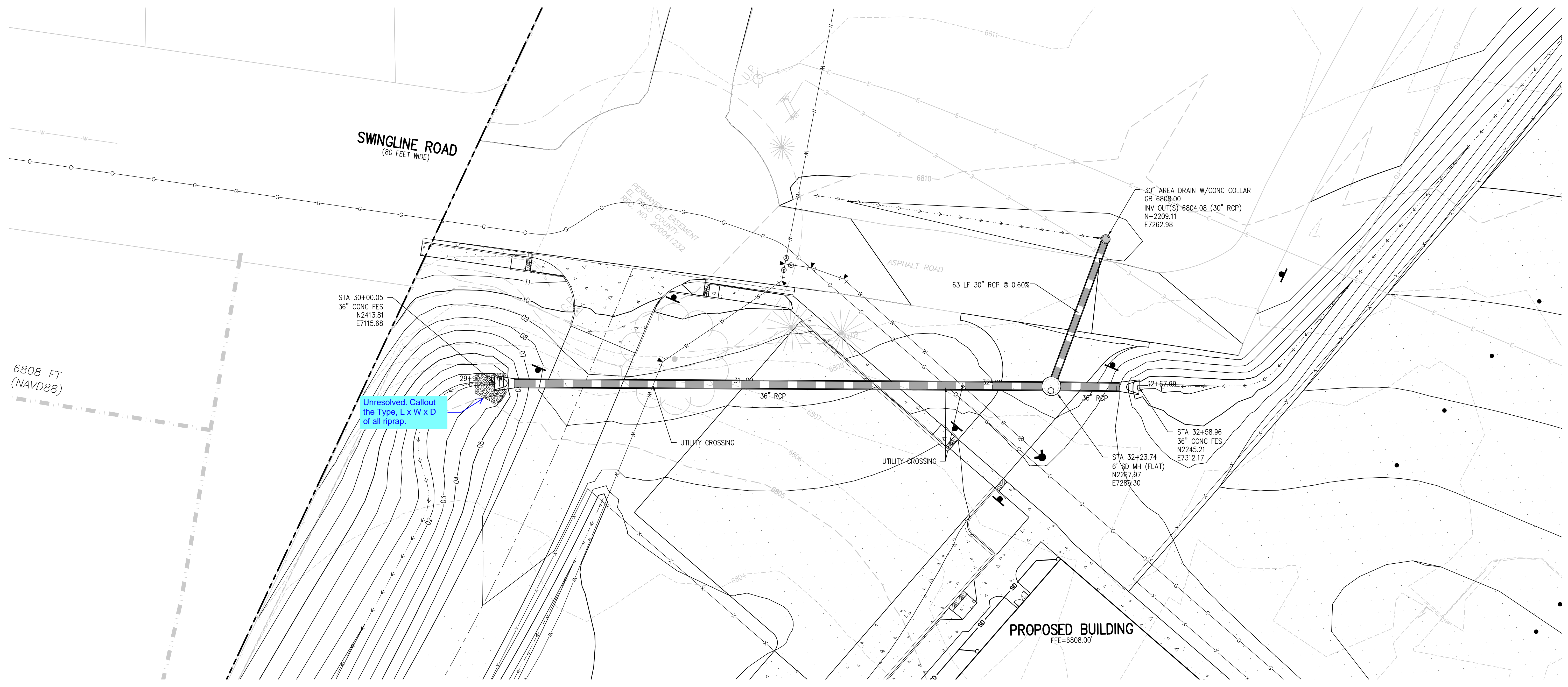
RTA PROJECT NUMBER
2021-041.00
DATE
01/25/2023

#	DATE	DESCRIPTION

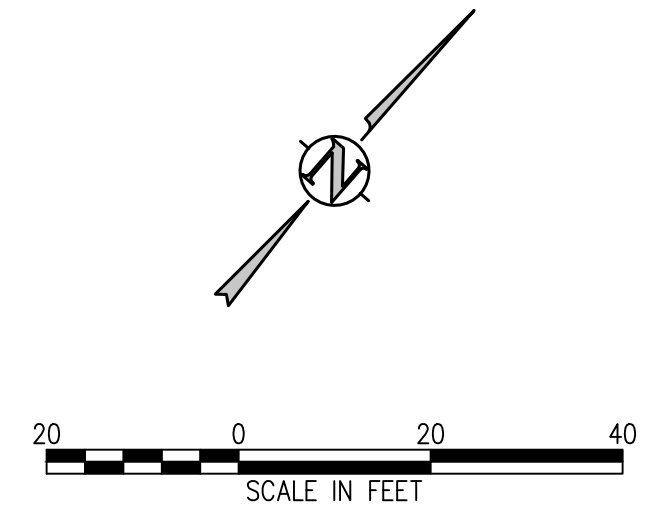
DESIGNED BY: **CWK/HCM**
DRAWN BY: **TW/AHB**
CHECKED BY: **CWK**

ISSUED FOR
**CONSTRUCTION
DOCUMENTS**

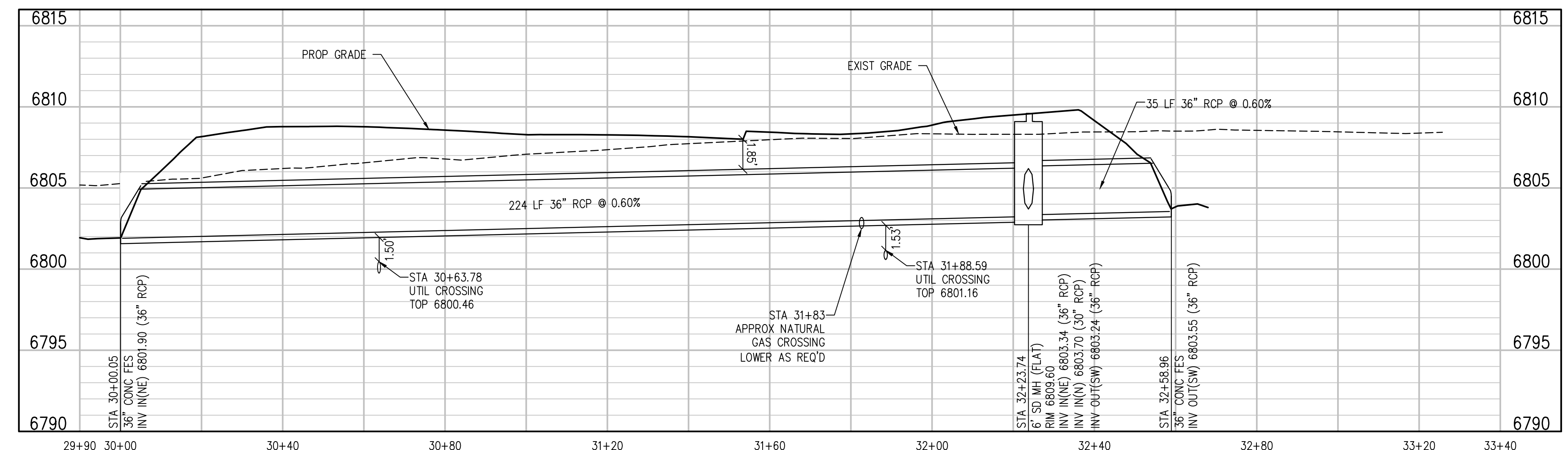
SHEET NO.
C1.11



DIVERSION STORM SEWER PLAN
SCALE: 1"=20'



NOTE: ALL STORM SEWER MAINS ARE PRIVATE



DIVERSION STORM SEWER PROFILE
SCALE: 1"=20' HORIZ
1"=5' VERT

J:\MS6\Drawings\MS6-01-STM-Plan-01.dwg, 1/20/2023 - 4:10 PM, TW

D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831



SHEET TITLE
DIVERSION STORM SEWER PLAN AND PROFILE

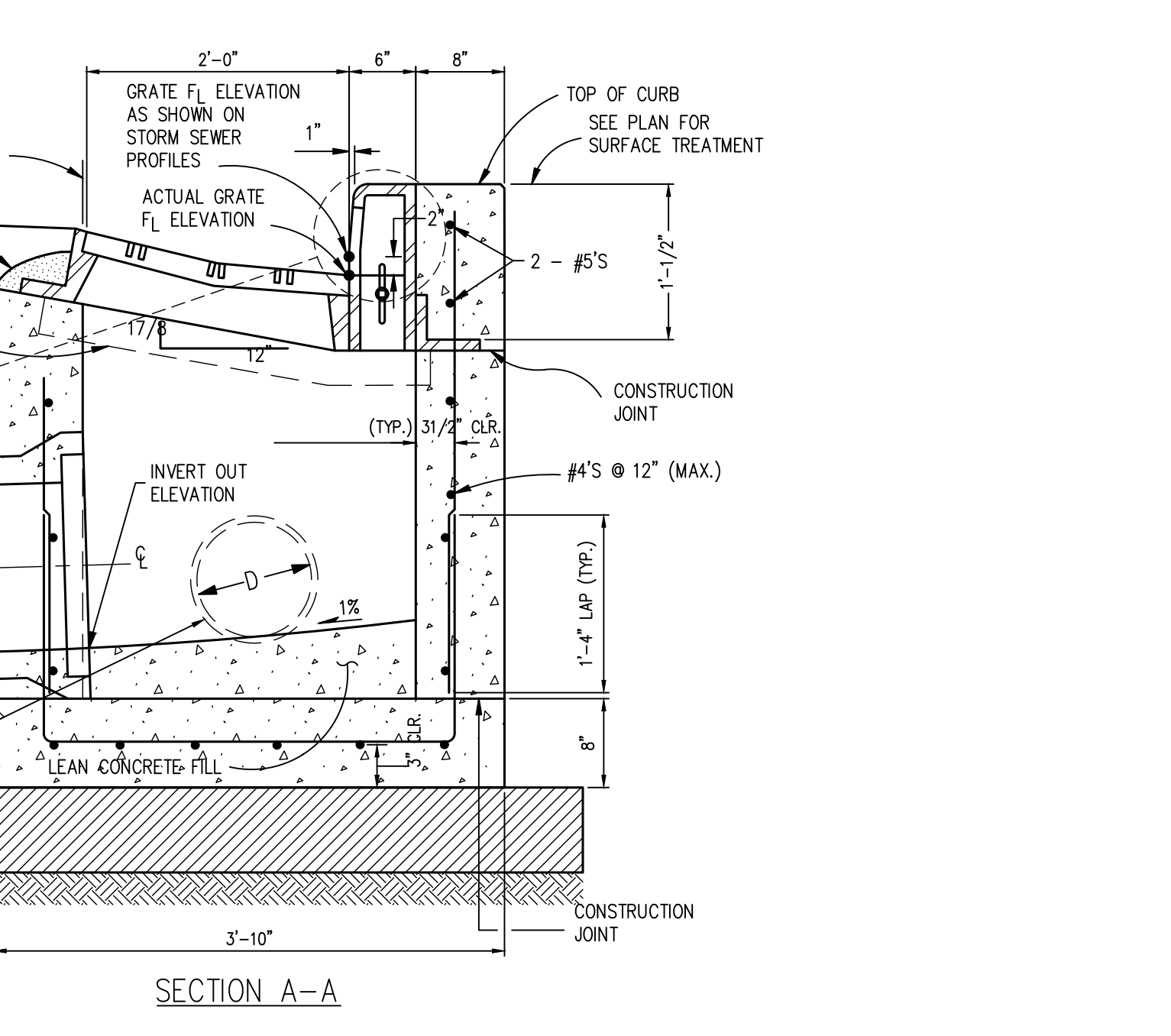
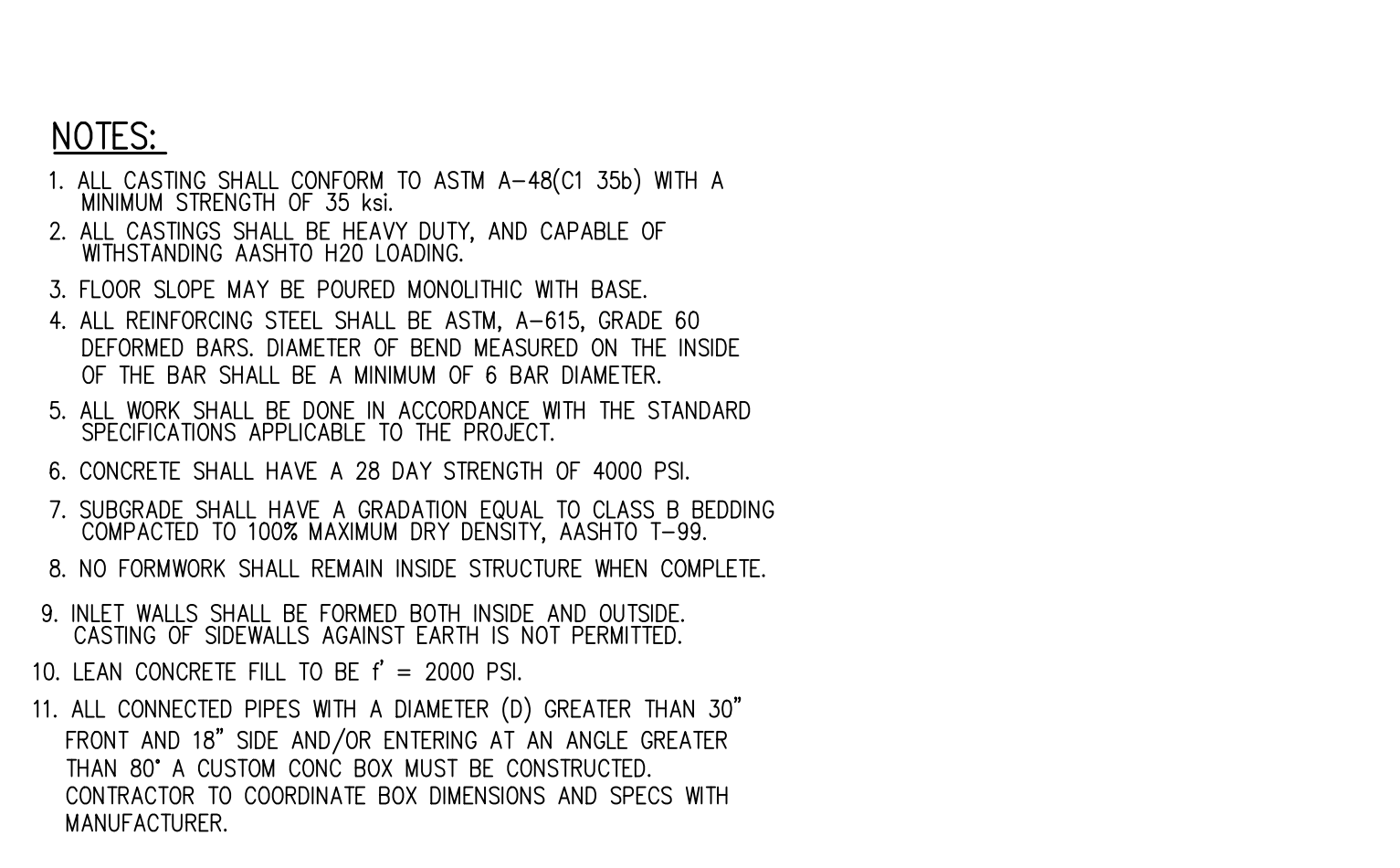
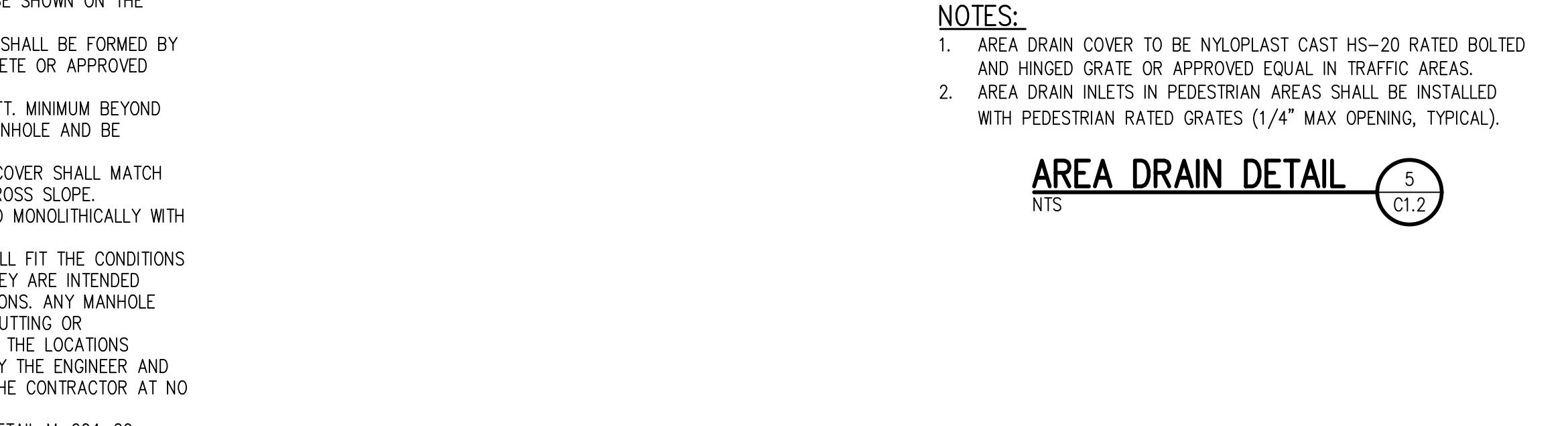
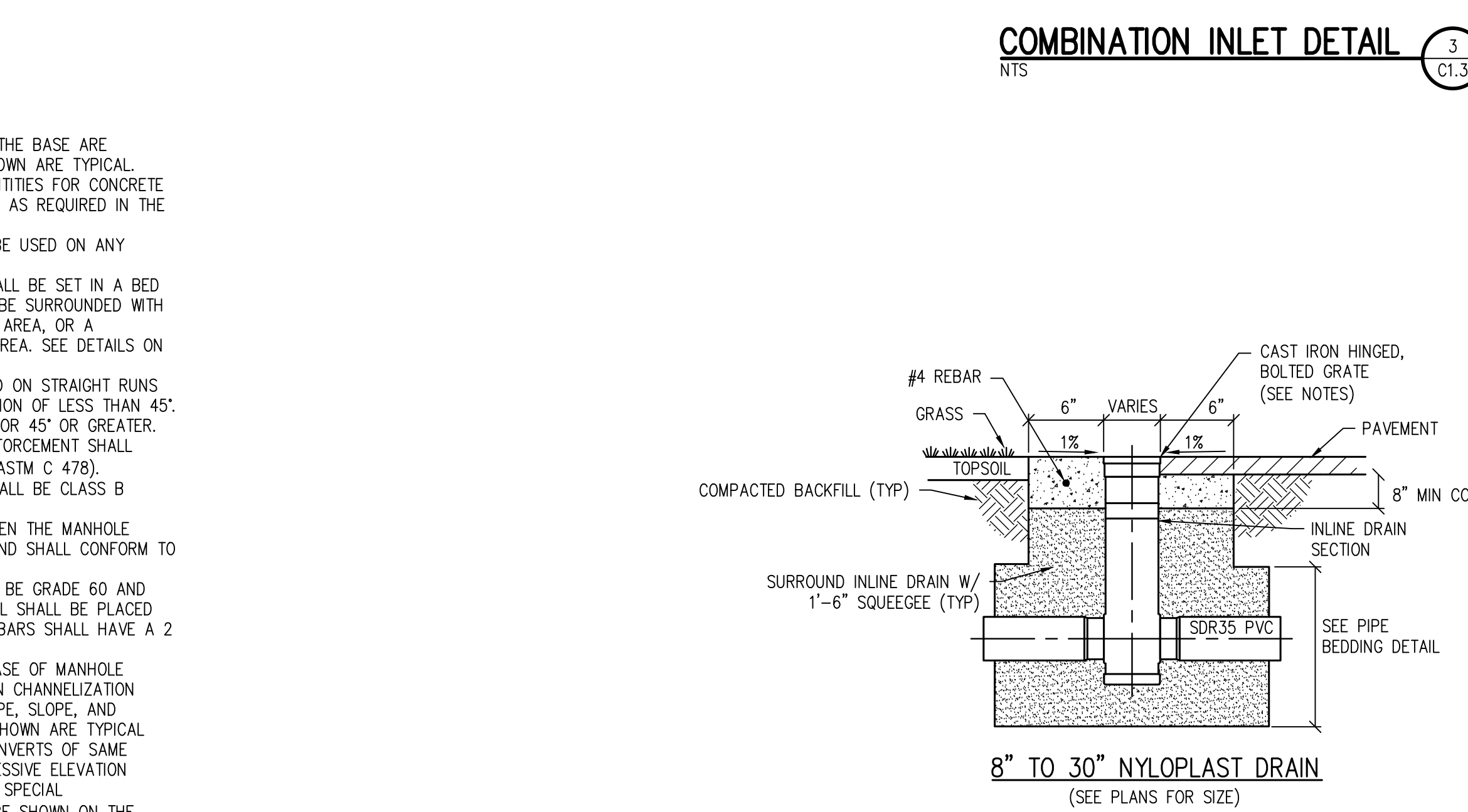
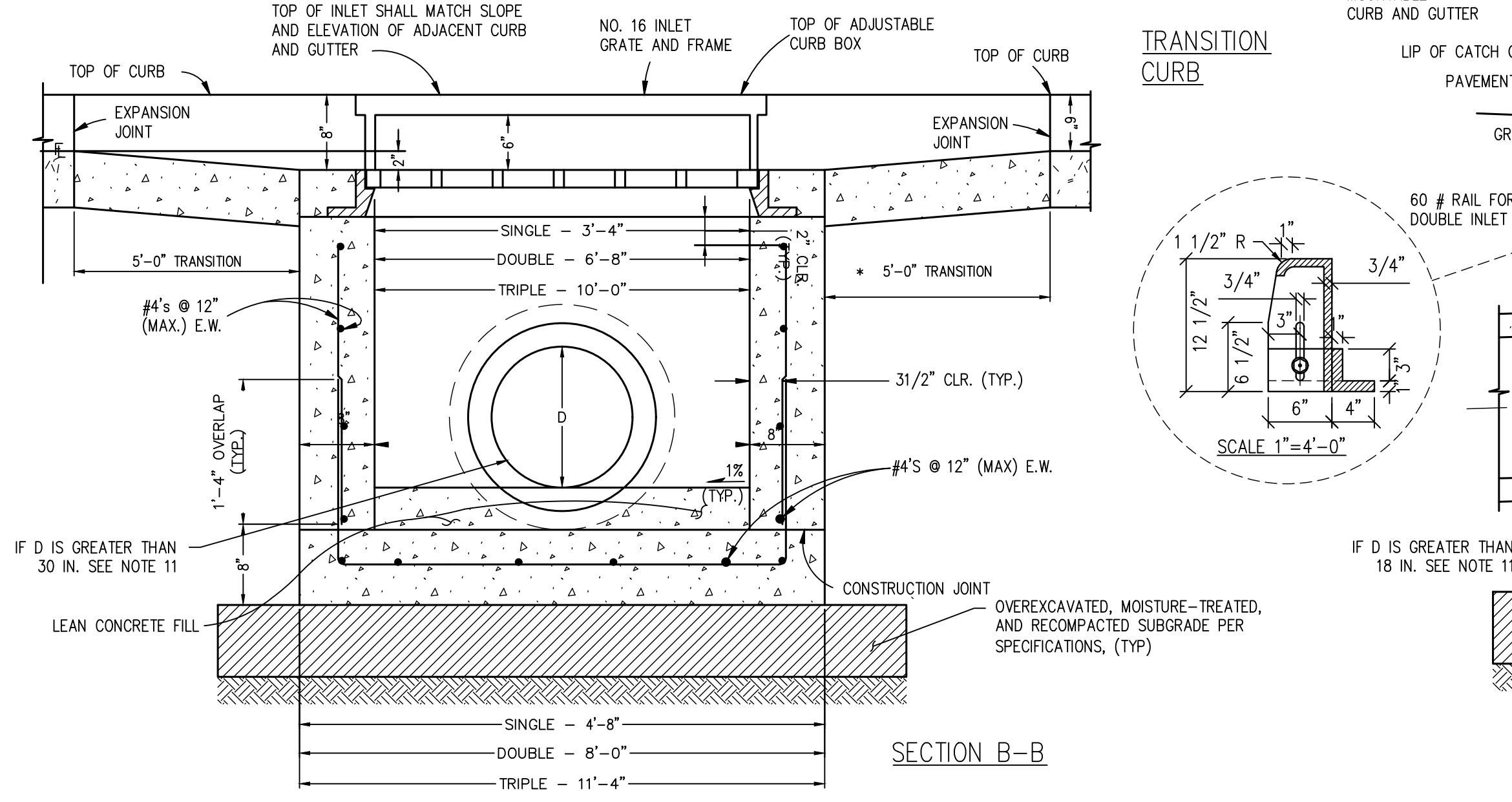
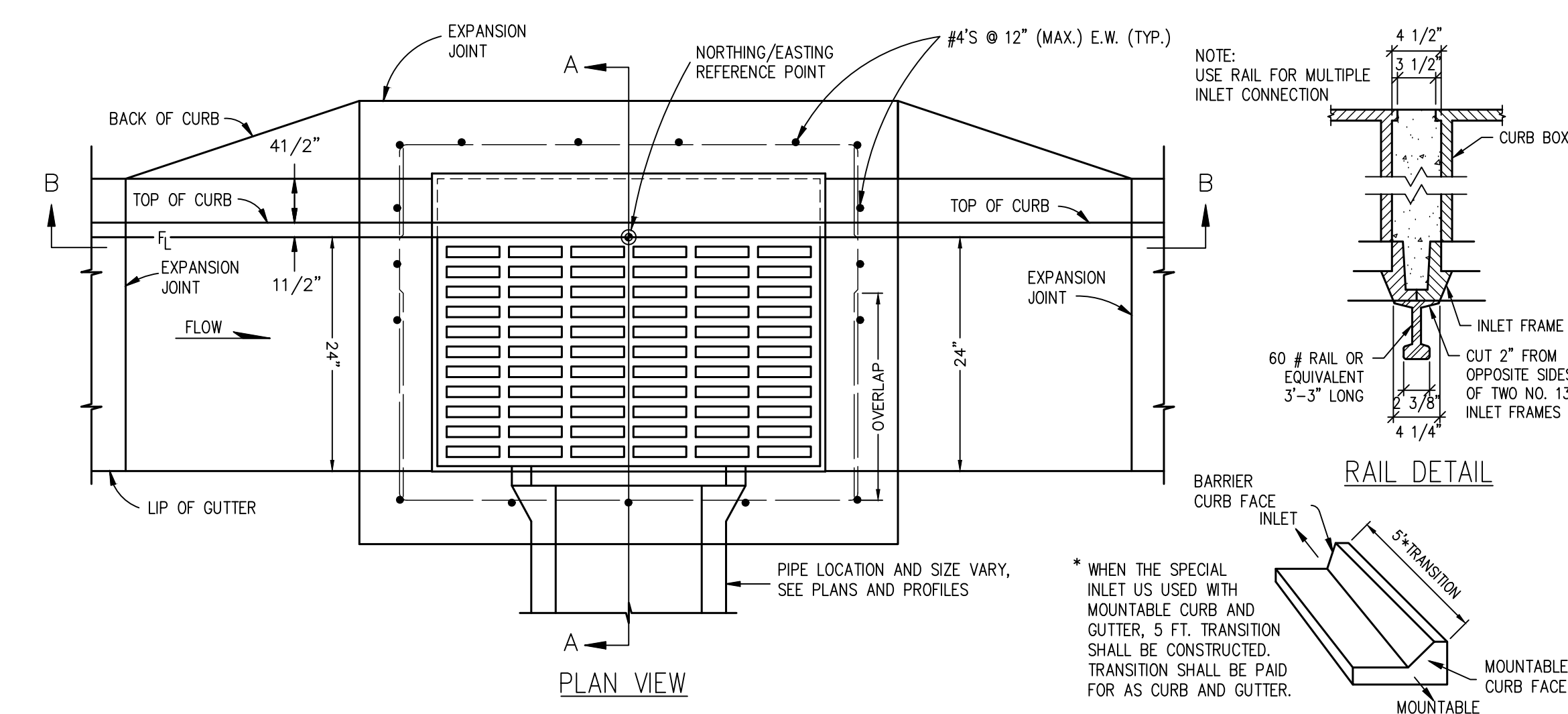
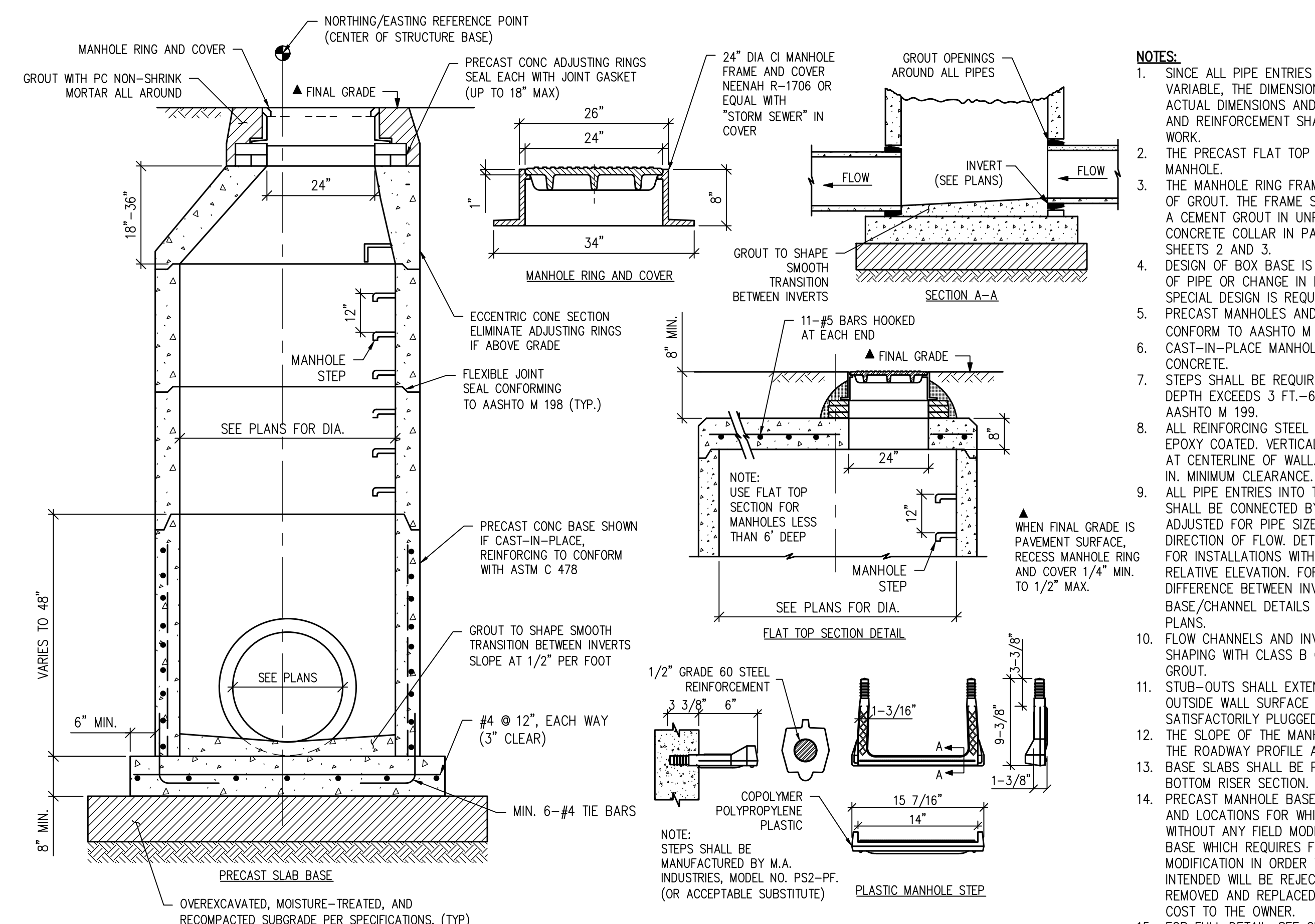
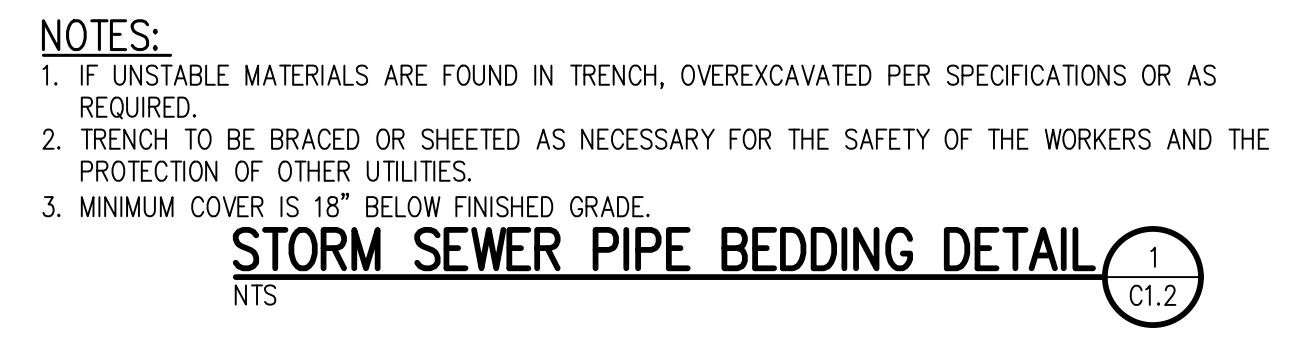
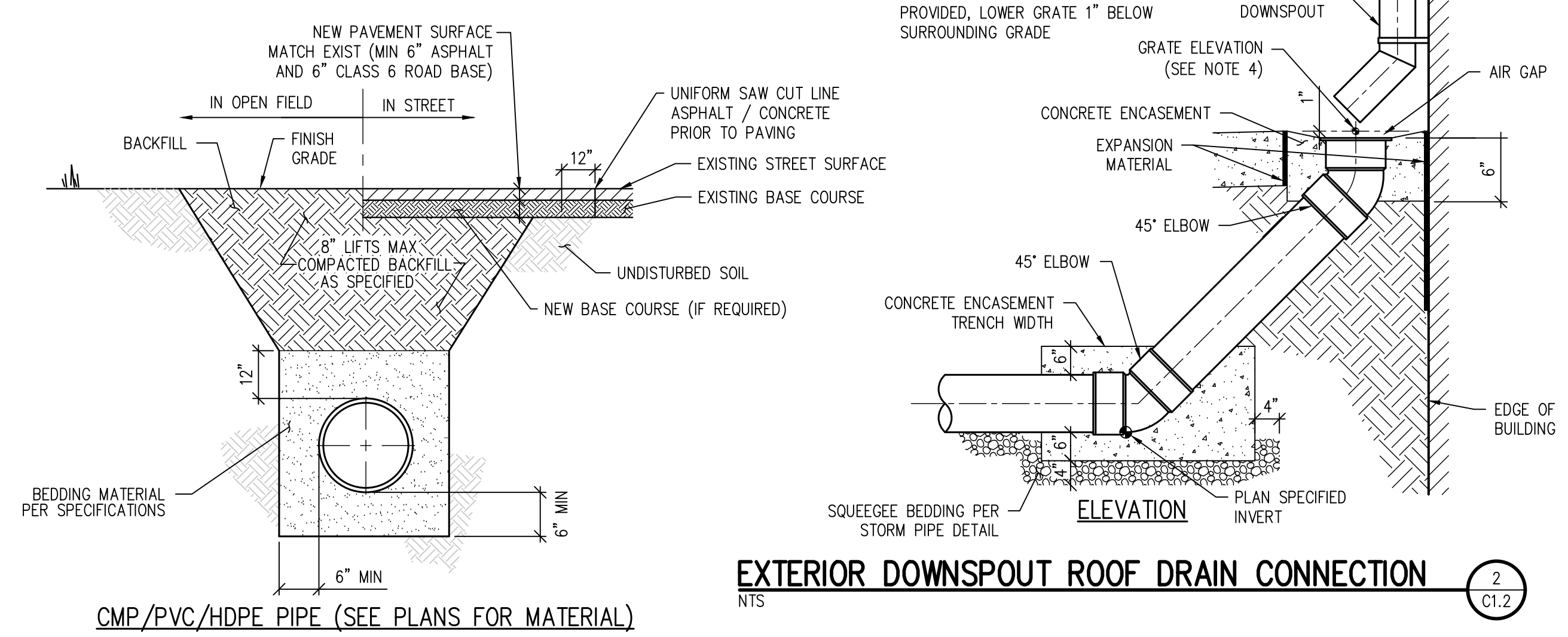
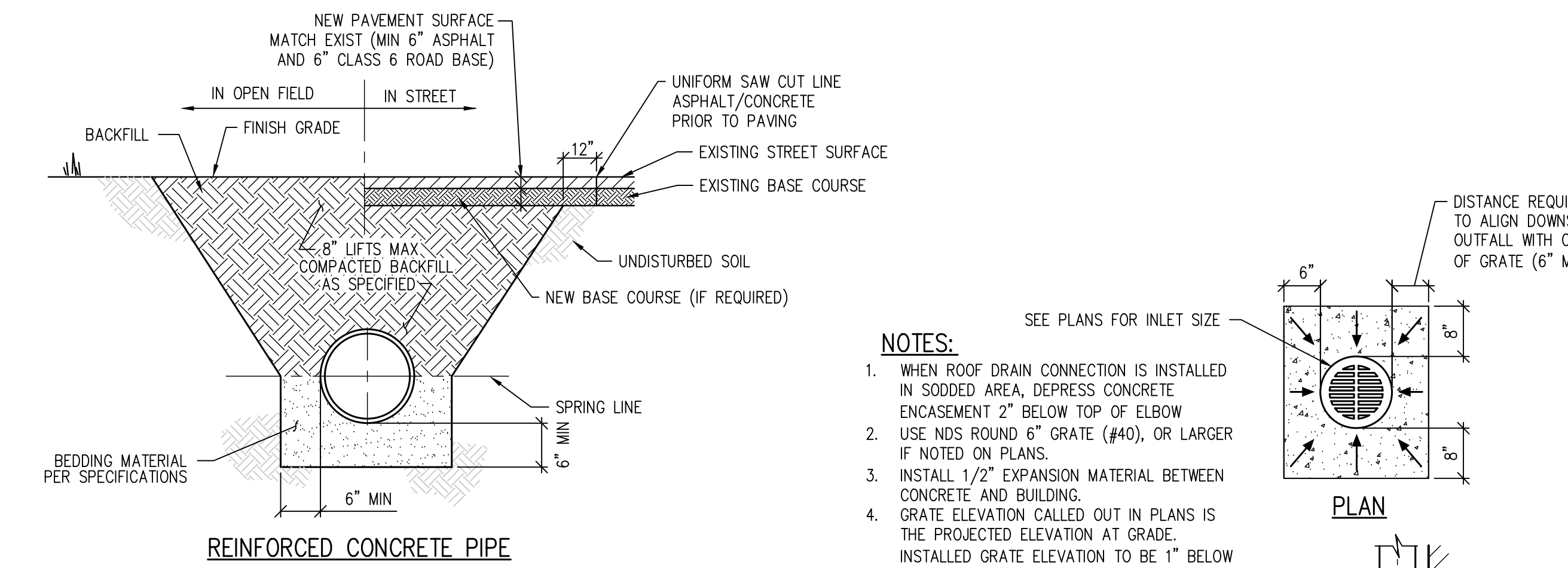
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2021-041.00
DATE
01/25/2023

REVISIONS

#	DATE	DESCRIPTION

DESIGNED BY: **CWK/HCM**
CHECKED BY: **TWK/AMB**
DATE: **CWK**

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SHEET NO.
C1.12



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SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831



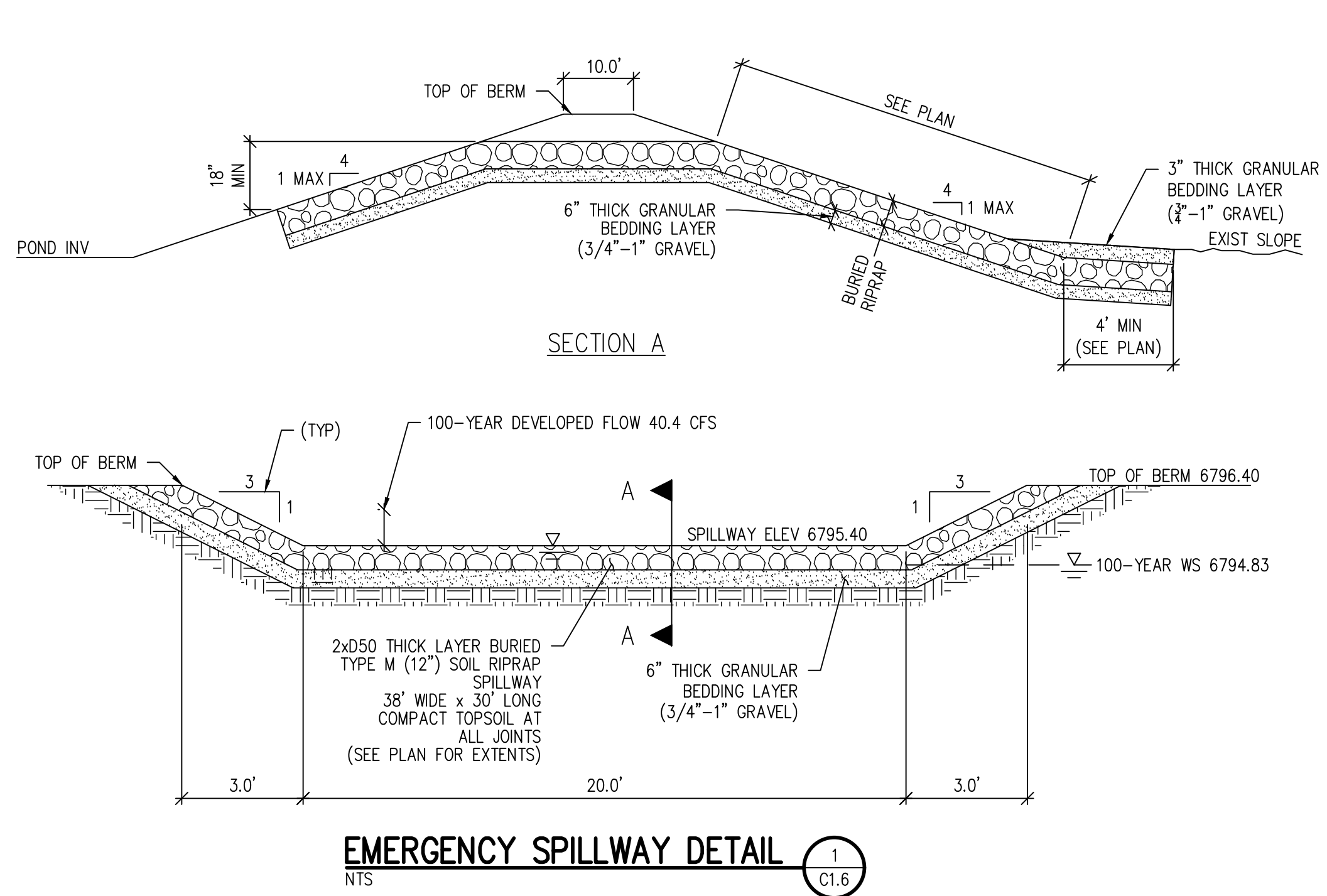
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PROJECT NUMBER: 2021-041-00
DATE: 01/25/2023

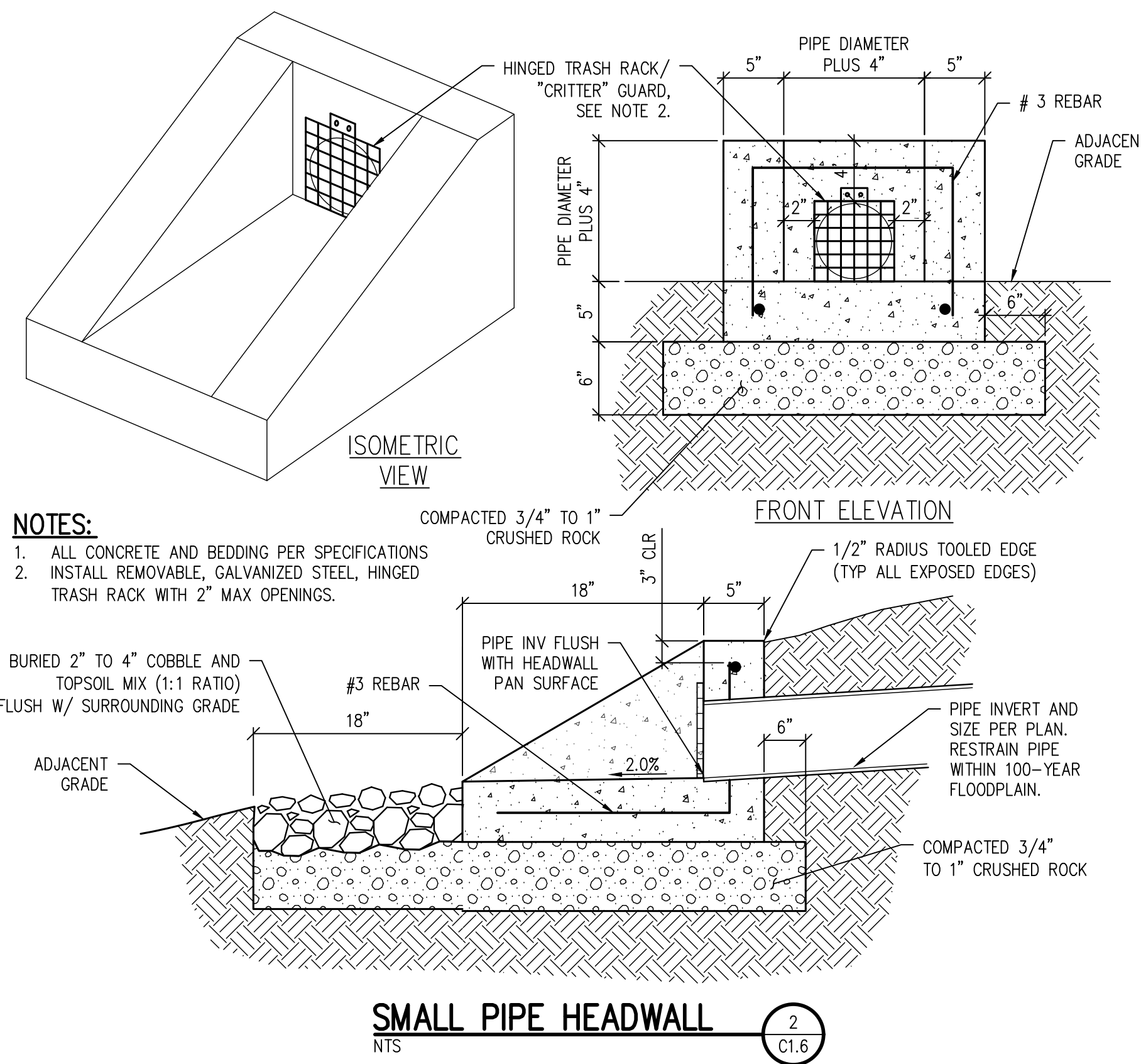
ISSUED FOR CONSTRUCTION DOCUMENTS

CD1.0

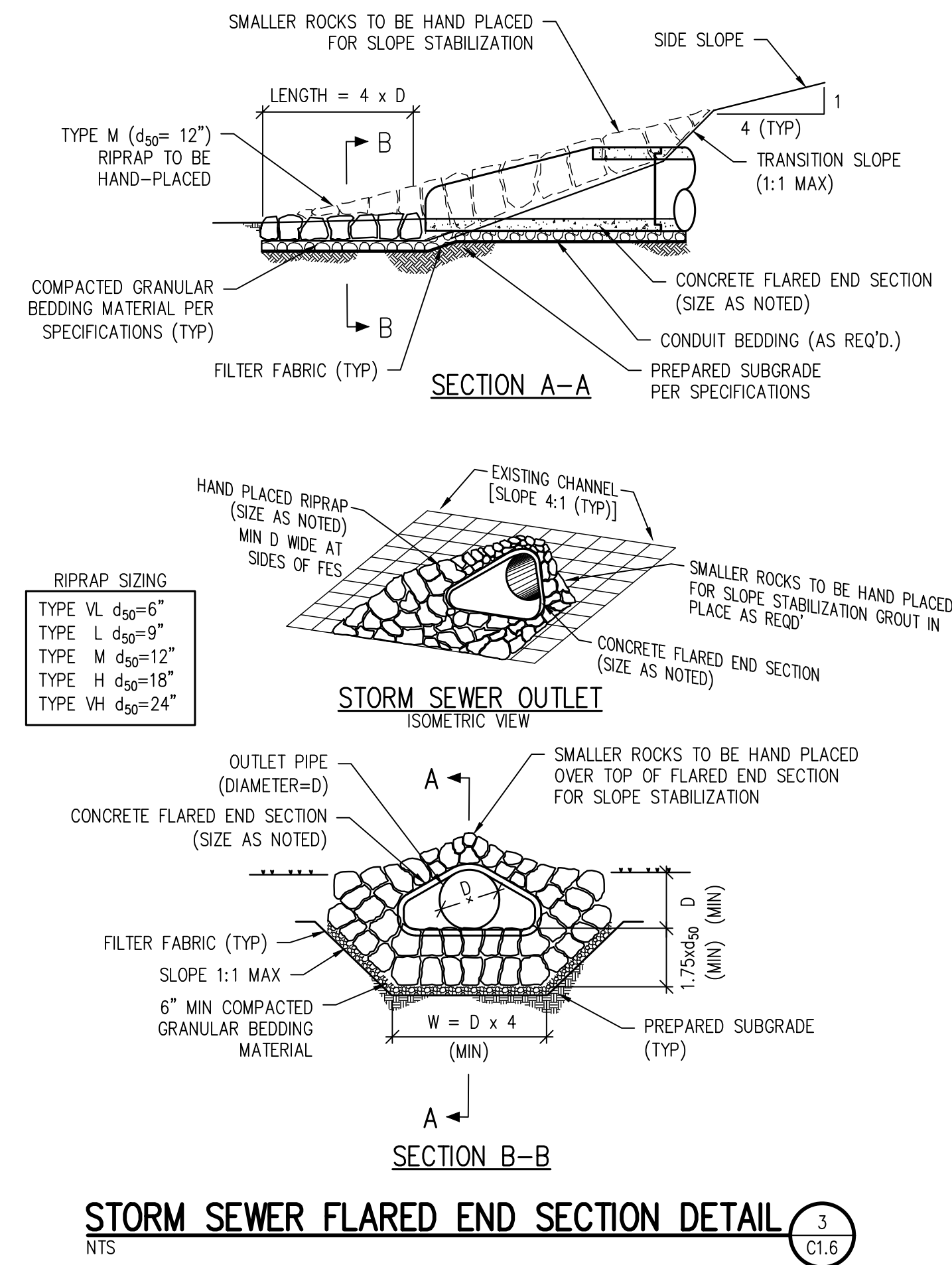
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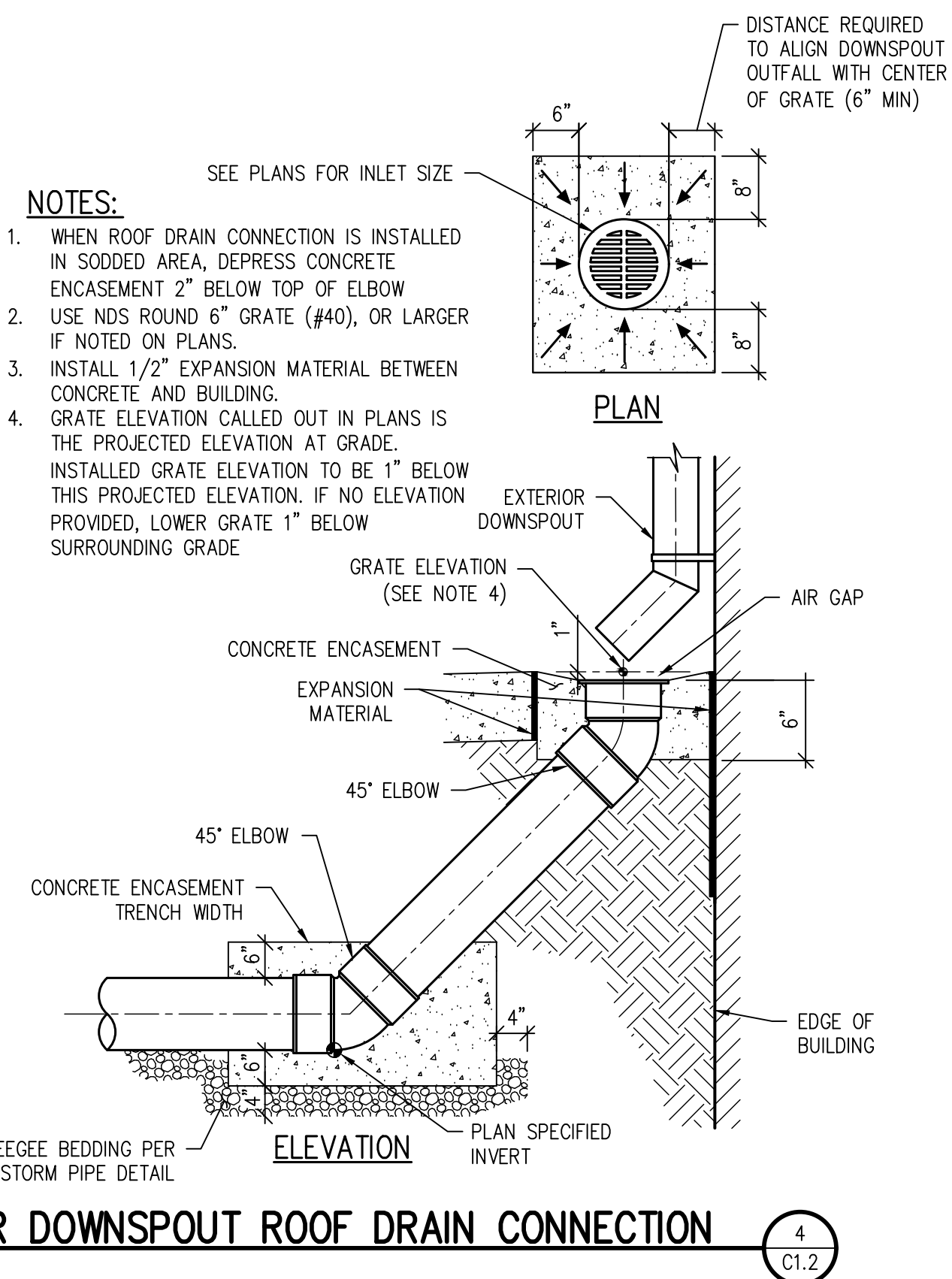
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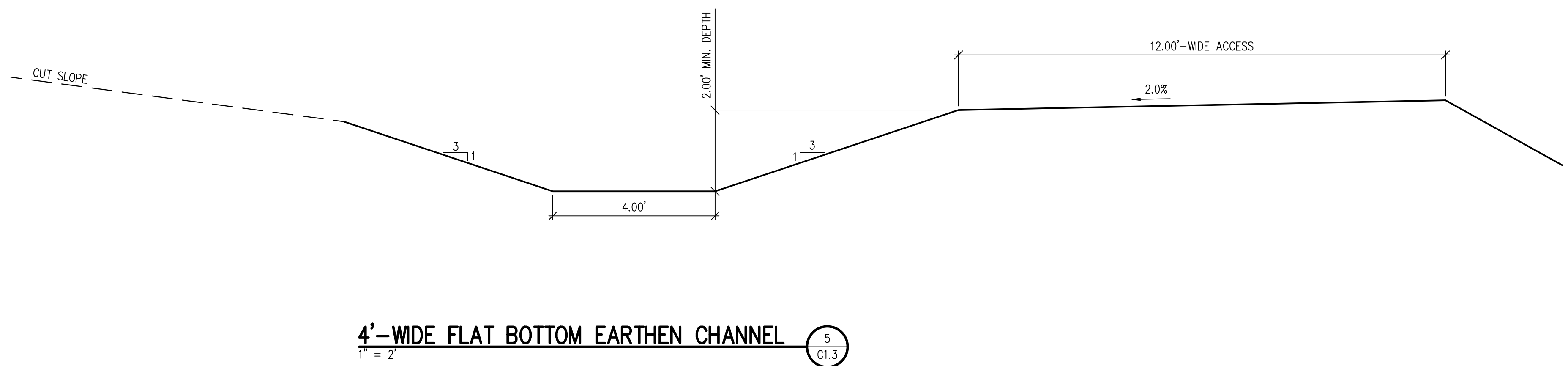
SMALL PIPE HEADWALL 2
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STORM SEWER FLARED END SECTION DETAIL 3
NTS

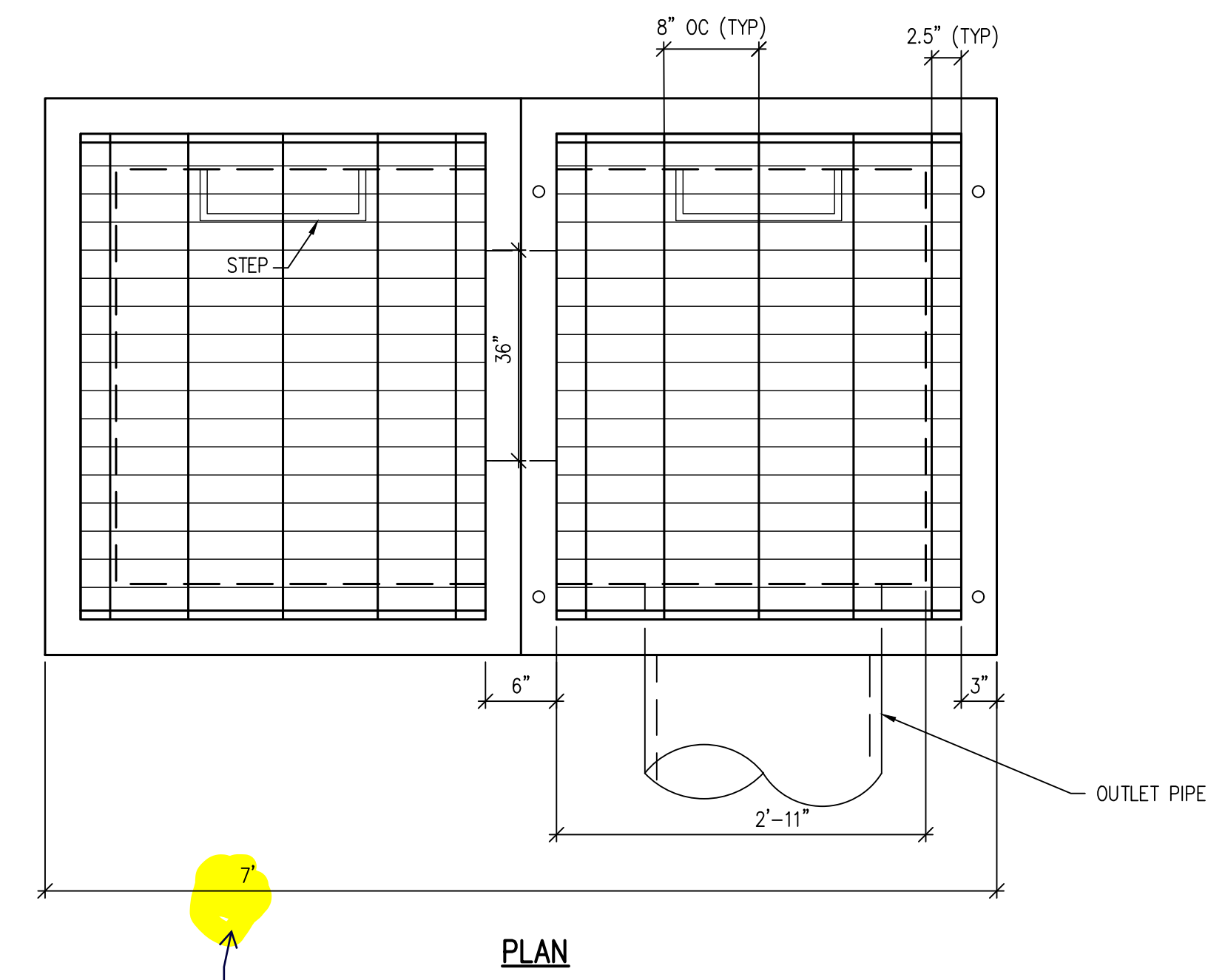
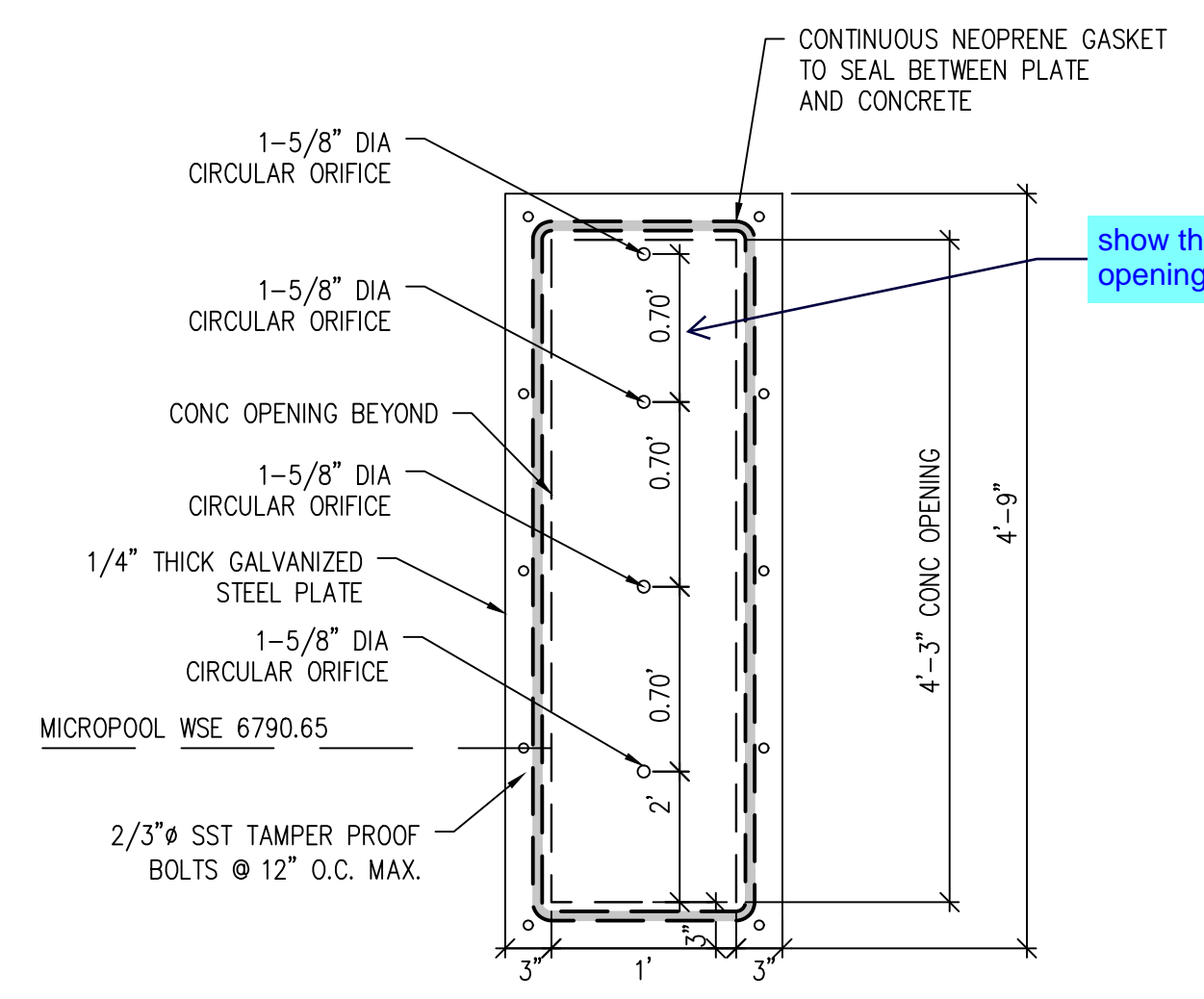
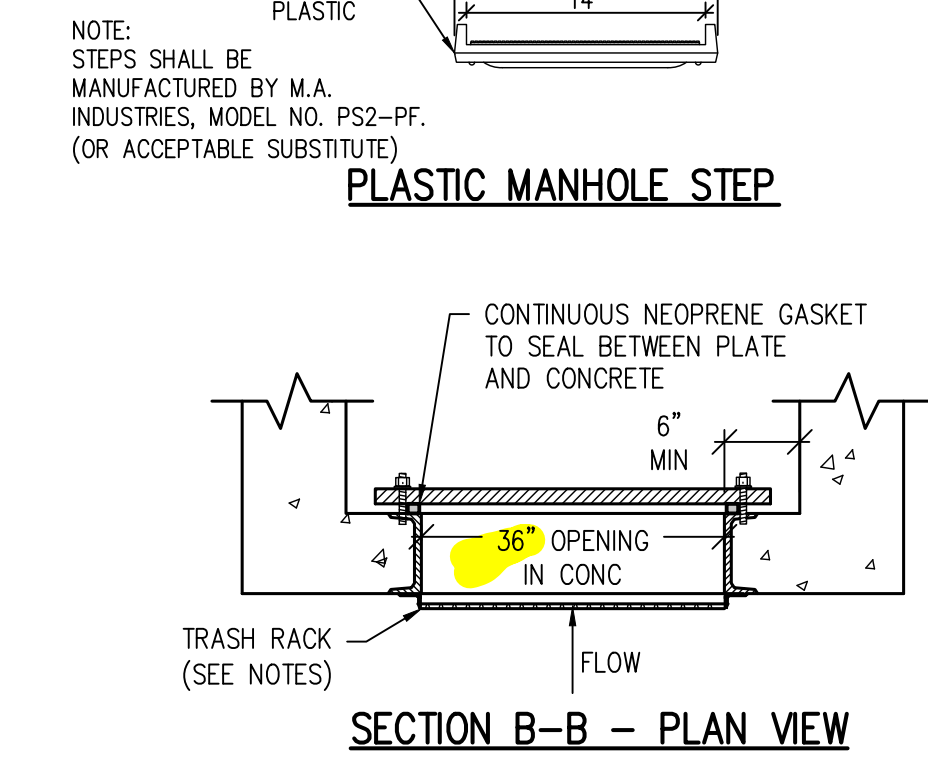
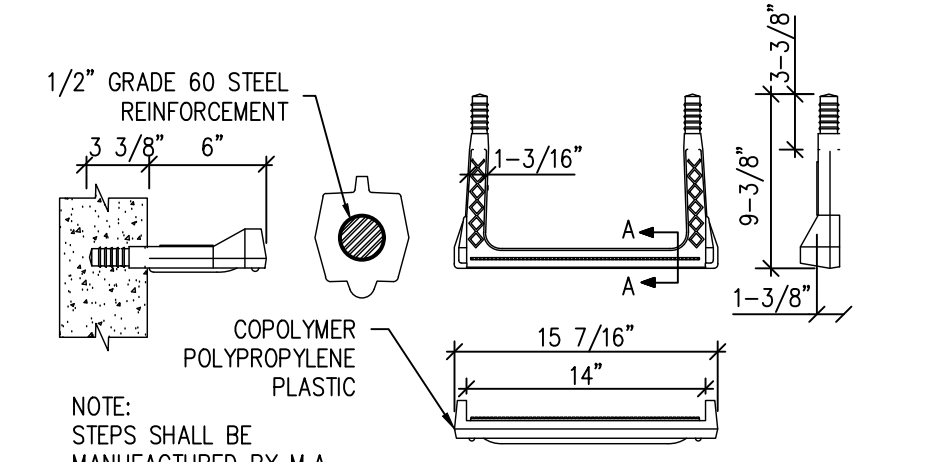


EXTERIOR DOWNSPOUT ROOF DRAIN CONNECTION 4
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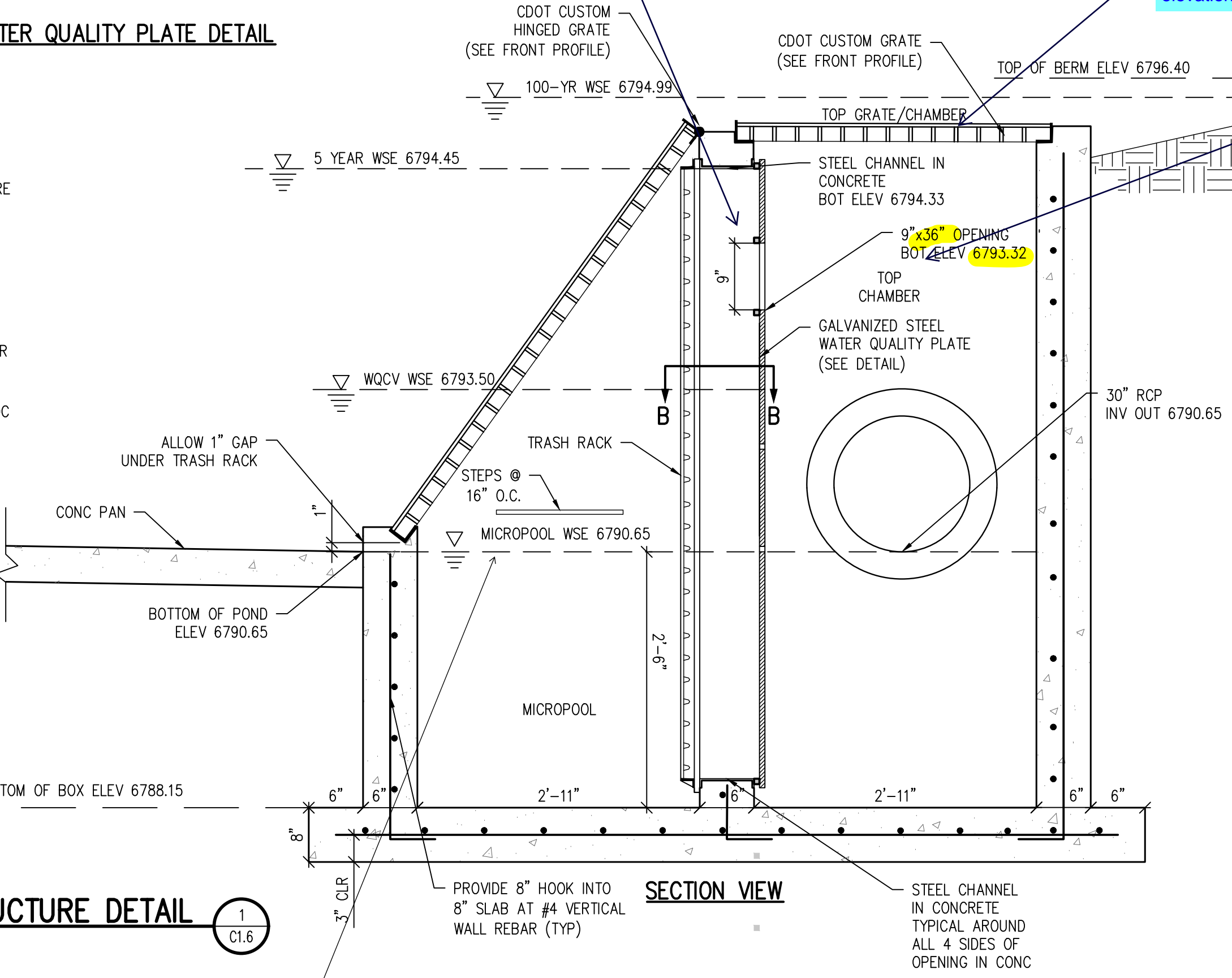
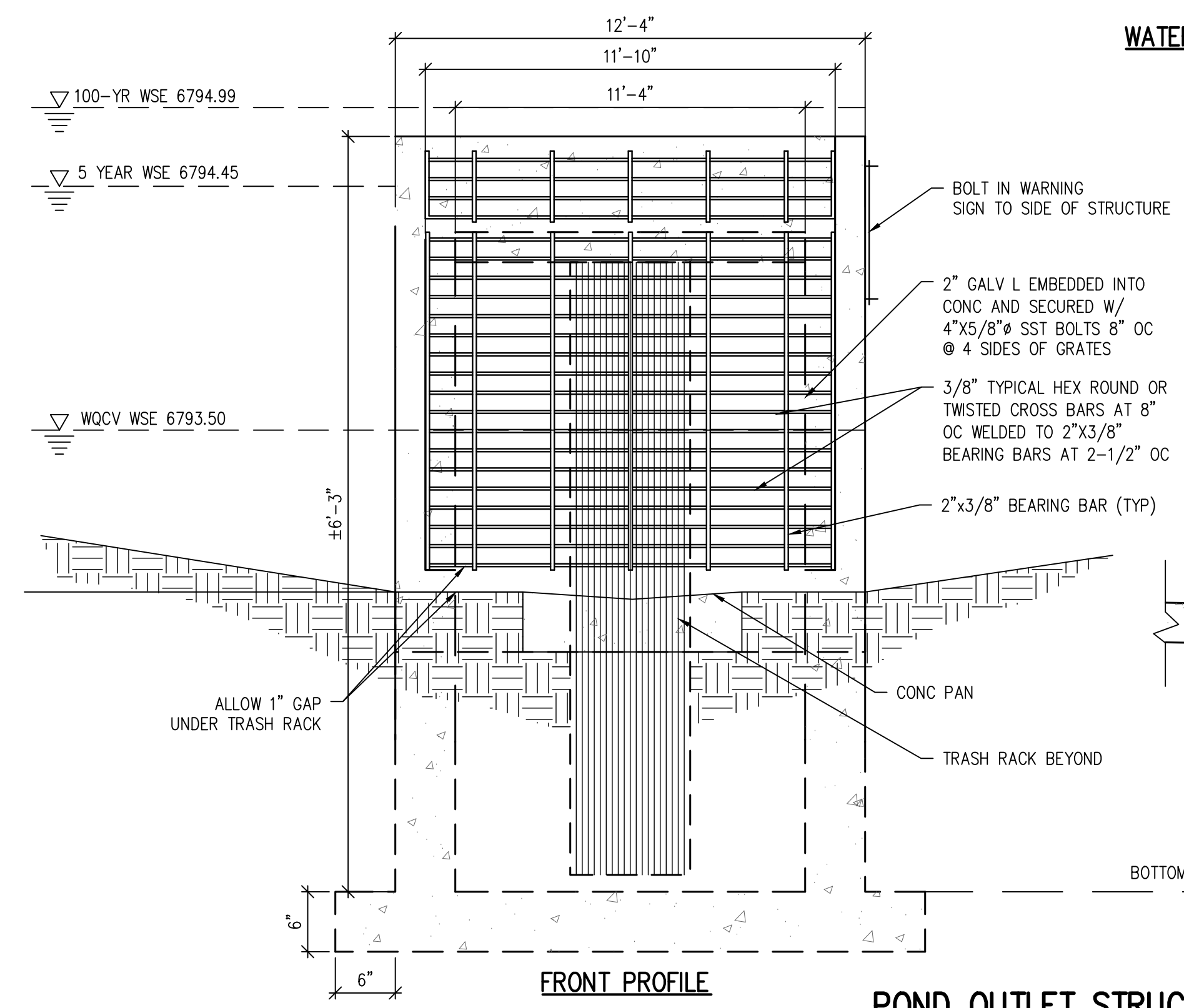


4'-WIDE FLAT BOTTOM EARTHEN CHANNEL 5
1" = 2'

pond details will be reviewed following updates to drainage report.
include trickle channel detail. Pond bottom should have a minimum slope of 3% to the trickle channel and micropool (USDCM Vol 3, detail T-5).
include maintenance road detail.



- TRASH RACK NOTES:**
- SPECIFIED TRASH RACK: US FILTER STAINLESS STEEL WELL-SCREEN WITH #93 VEE WIRE, 0.139" OPENINGS BETWEEN WIRES, #156 SUPPORT RODS ON 3/4" SPACING, VERTICAL ORIENTATION. TOTAL RACK THICKNESS OF 0.31" AND 3/8" X 1.0" FLAT BAR FRAME.
 - WELL-SCREEN TRASH RACKS SHALL BE STAINLESS STEEL AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
- STRUCTURAL NOTES:**
- CONCRETE SHALL BE CDOT CLASS D AND CAST-IN PLACE.
 - PROVIDE STEPS AT 15" OC IN BOTH BOXES.
 - ALL WALLS AND BASE SHALL BE REINFORCED WITH #4'S @ 8" OC EACH WAY. REINFORCING BARS SHALL BE DEFORMED AND SHALL HAVE A 2" MINIMUM CLEARANCE. AT WALL CORNERS, PROVIDE 2"-0x2"-0 #4 CORNER BARS @ 8" AND AT WALL INTERSECTIONS, PROVIDE 8" HOOK ON #4 HORIZONTAL BAR INTO INTERSECTING WALL.
 - SEE PLAN DETAILS FOR LOCATION AND SIZE OF PIPE.
 - STRUCTURAL STEEL FOR GRATES AND GRATE INSTALLATION HARDWARE SHALL BE GALVANIZED.
 - PROVIDE THE FOLLOWING WARNING SIGN ON THE OUTLET STRUCTURE: "KEEP SCREEN AND GRATE CLEAN. UNAUTHORIZED MODIFICATION OF THIS OUTLET IS A CODE VIOLATION."



User Input: Vertical Orifice (Circular or Rectangular)

	Zone 2 Rectangular	Not Selected	
Invert of Vertical Orifice =	2.86	N/A	ft (relative to basin bottom at Stage = 0 ft)
Depth at top of Zone using Vertical Orifice =	3.43	N/A	ft (relative to basin bottom at Stage = 0 ft)
Vertical Orifice Height =	12.00	N/A	inches
Vertical Orifice Width =	39.00	N/A	inches

User Input: Overflow Weir (Dropbox with Flat or Sloped Grate and Outlet Pipe OR Rectangular/Trapezoidal Weir and No Outlet Pipe)

Provide adequate initial surcharge volume for frequent inundation. The area of the initial surcharge volume, when full, is typically the same or slightly larger than that of the micropool. The initial surcharge volume should have a depth of at least 4 inches. See MHFD T-5, page EDB-9.

PORTATION CENTER
DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831

D49



GRADING & DRAINAGE DETAILS

DATE: 01/25/2023

CHECKED BY: TWK/AMB
ISSUED FOR: CONSTRUCTION DOCUMENTS

CD1.2

pond details will be reviewed following updates to drainage report.

D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831



PROJECT TITLE
GRADING & DRAINAGE DETAILS

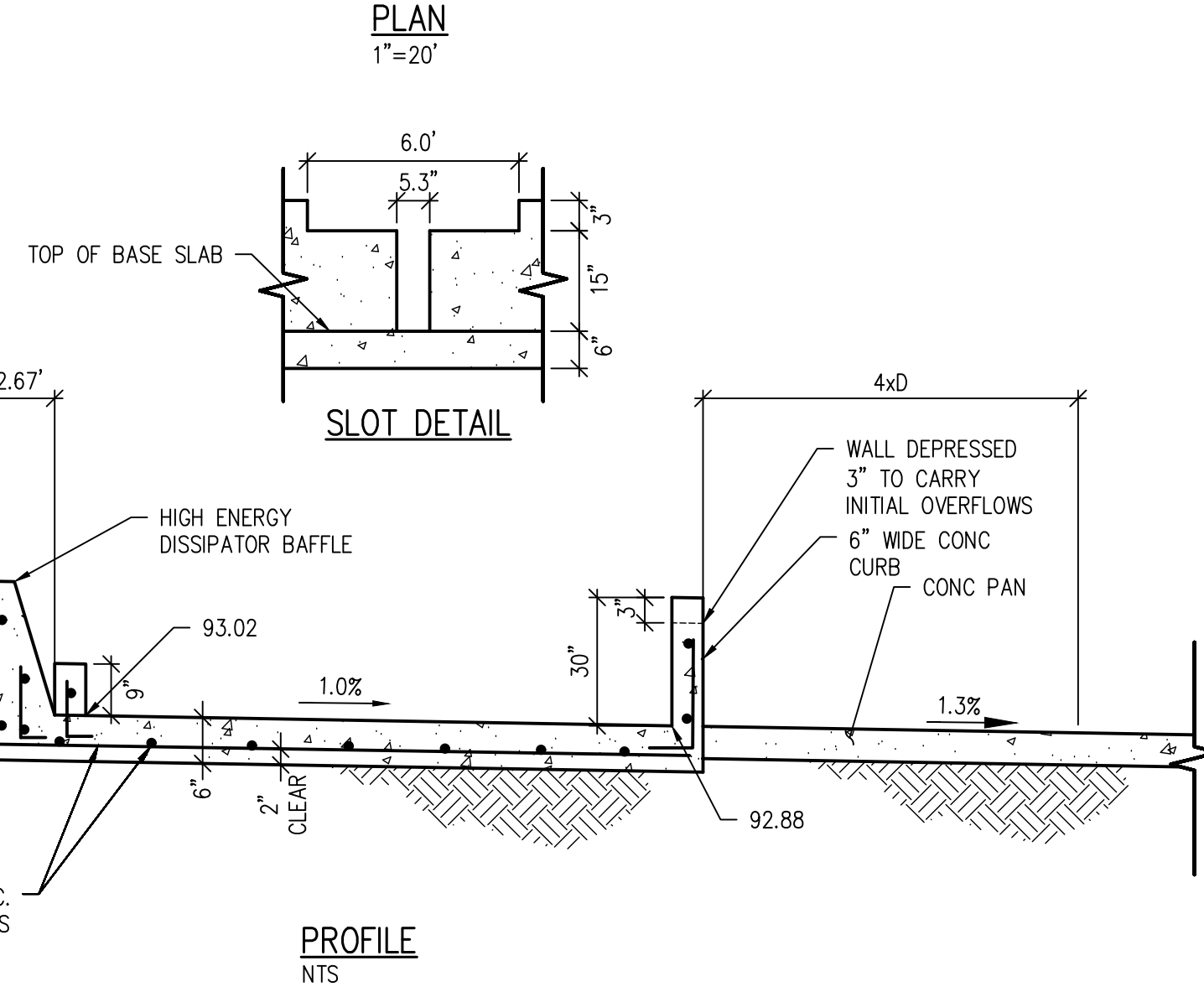
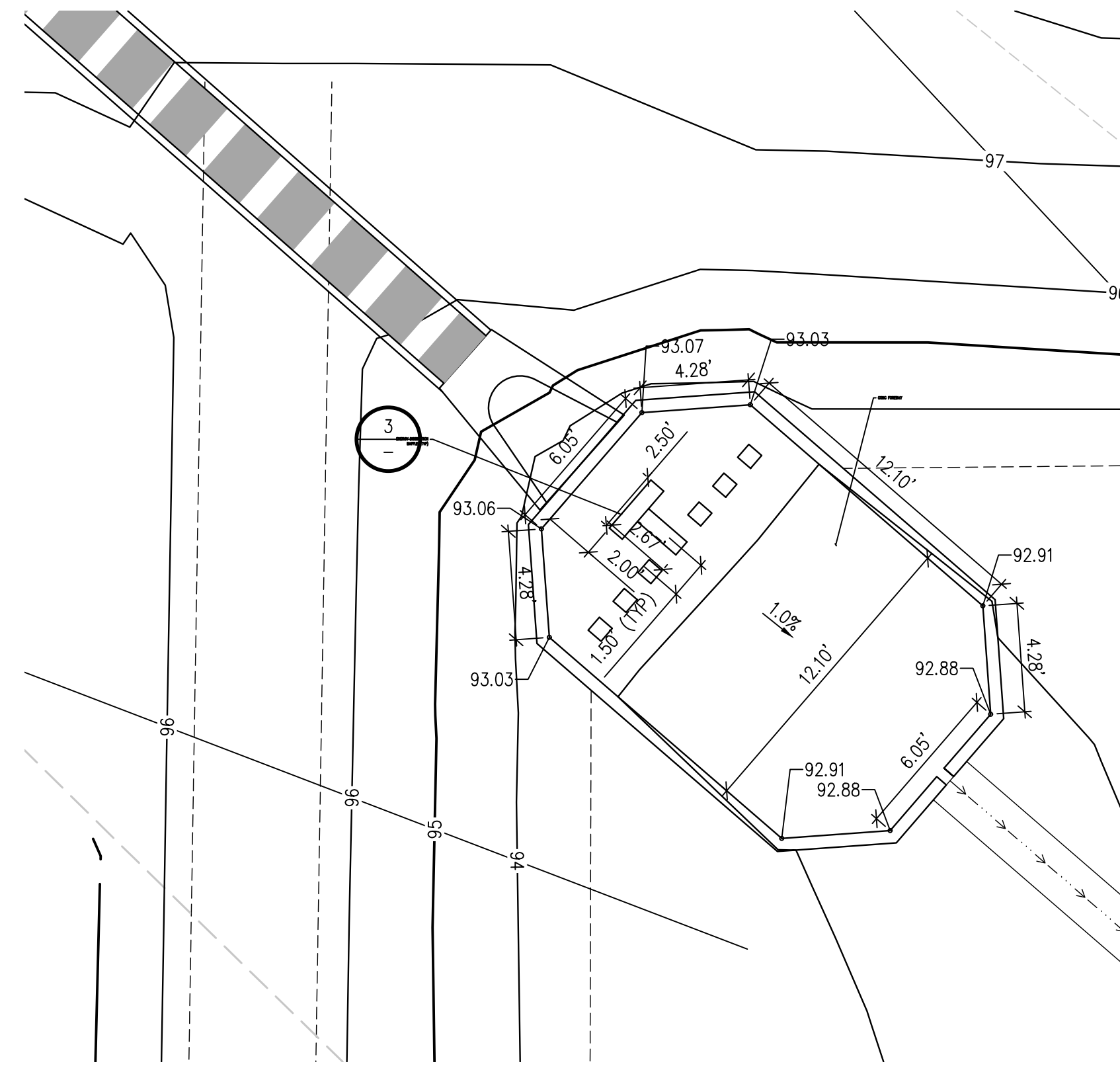
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DATE: **01/25/2023**

REVISIONS

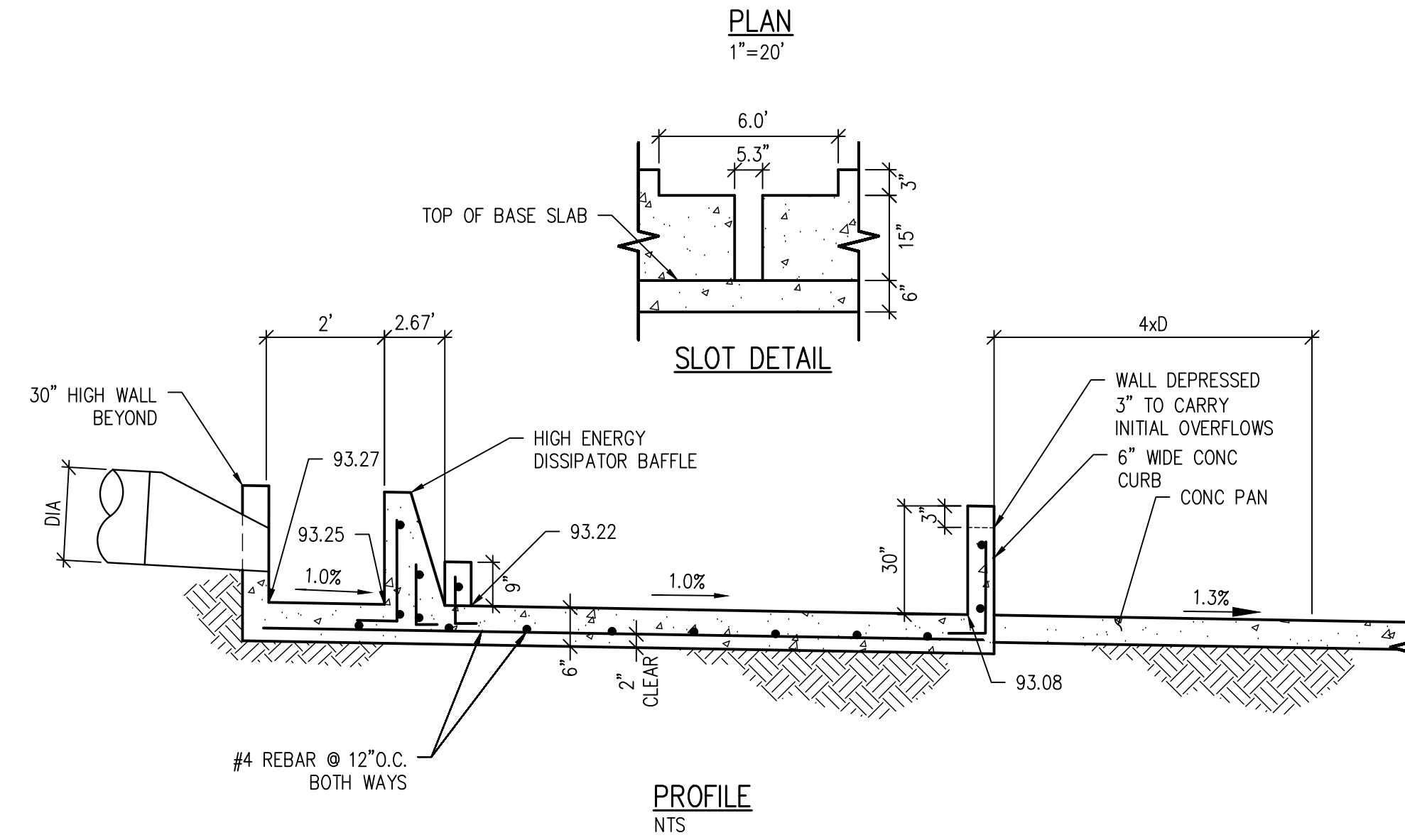
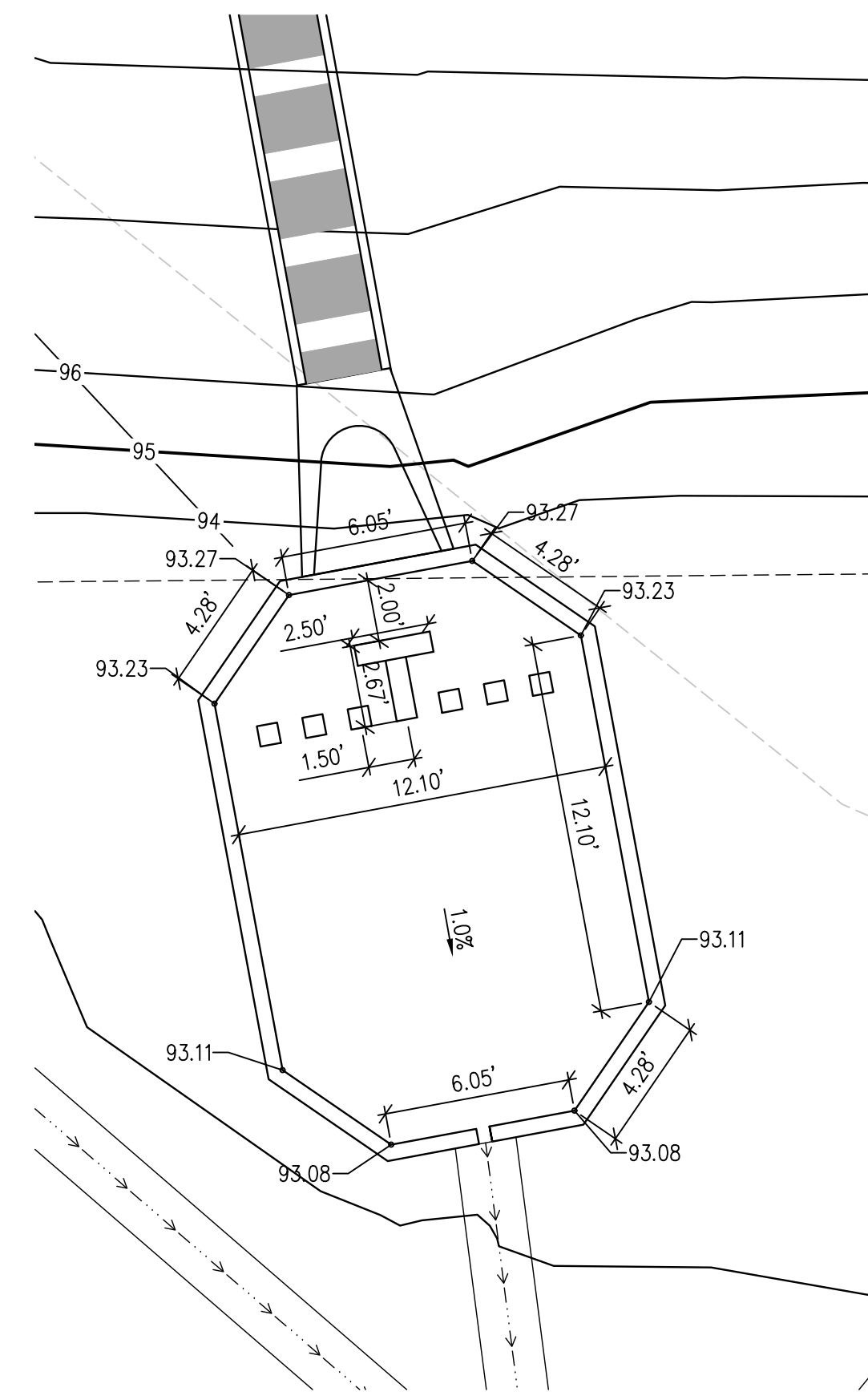
DATE APPROVAL: **CWK/HCM**
DATE: **TWK/AMB**
CHECKED BY: **CWK**

ISSUED FOR
CONSTRUCTION DOCUMENTS

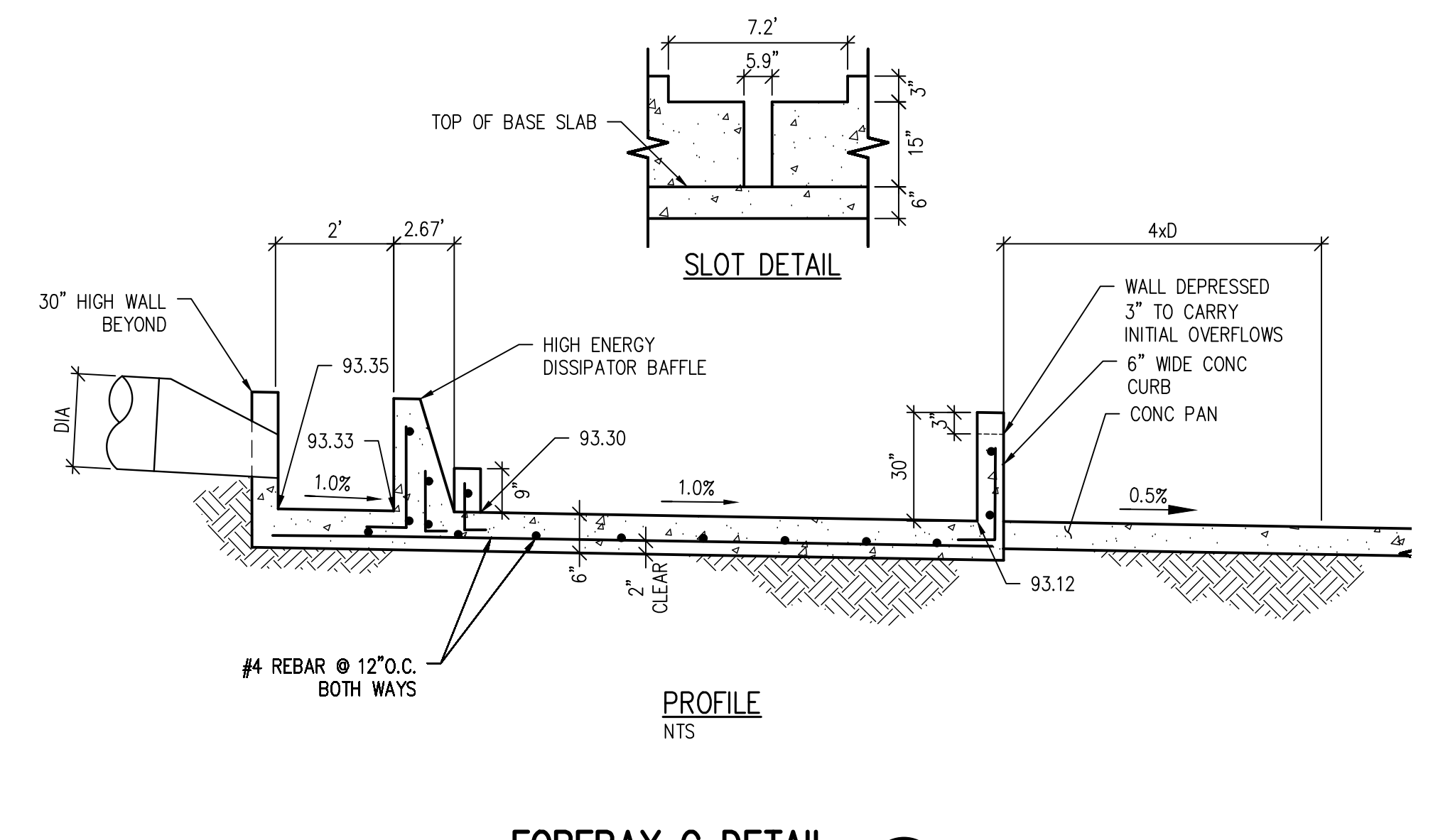
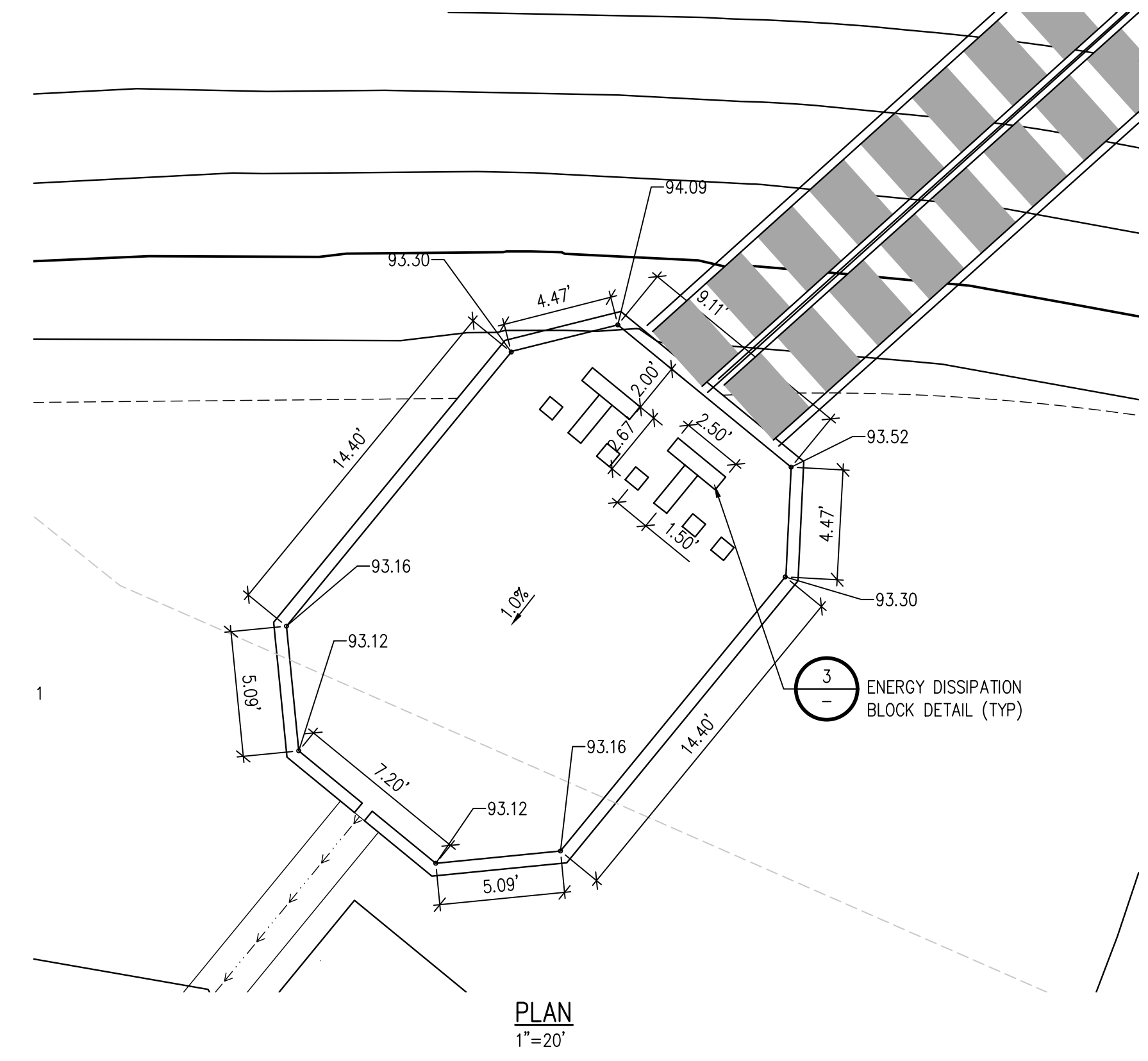
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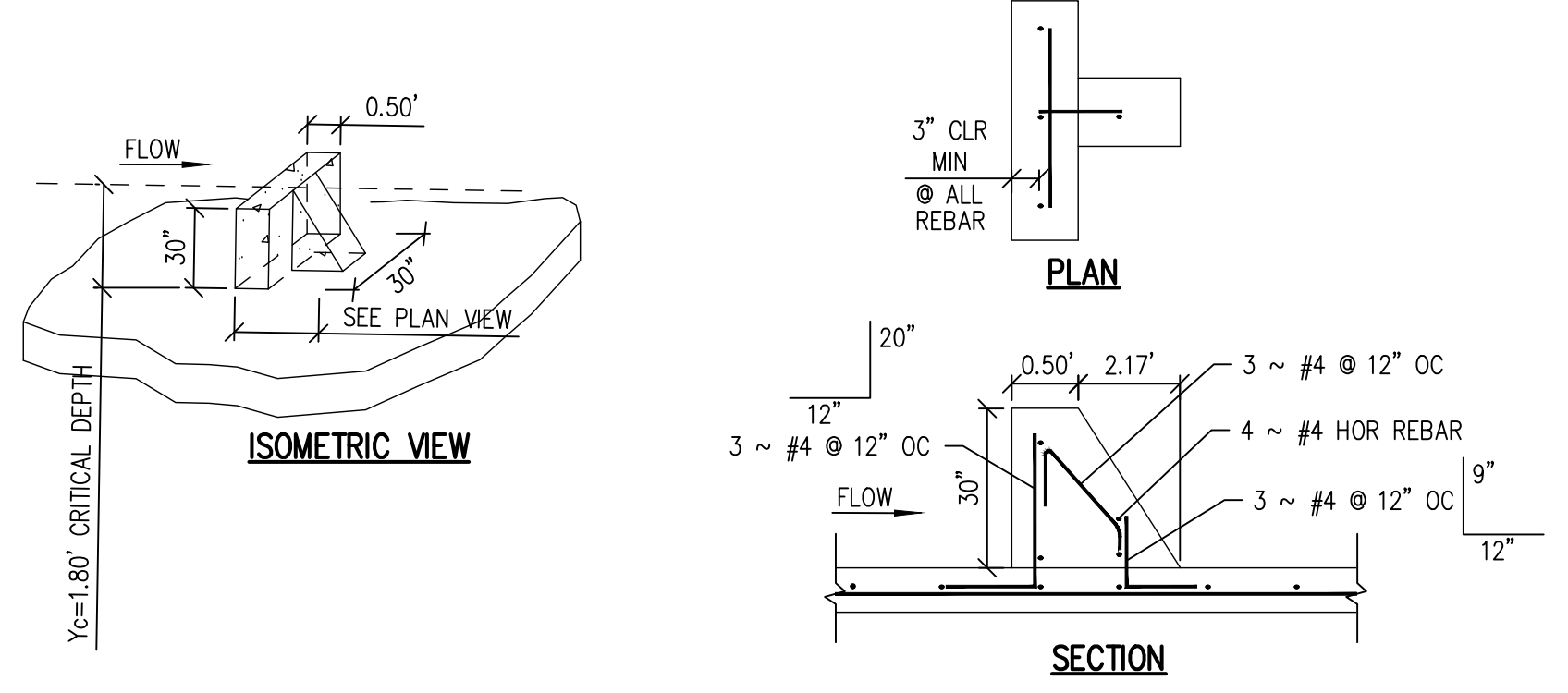
FOREBAY A DETAIL
SCALE: NTS



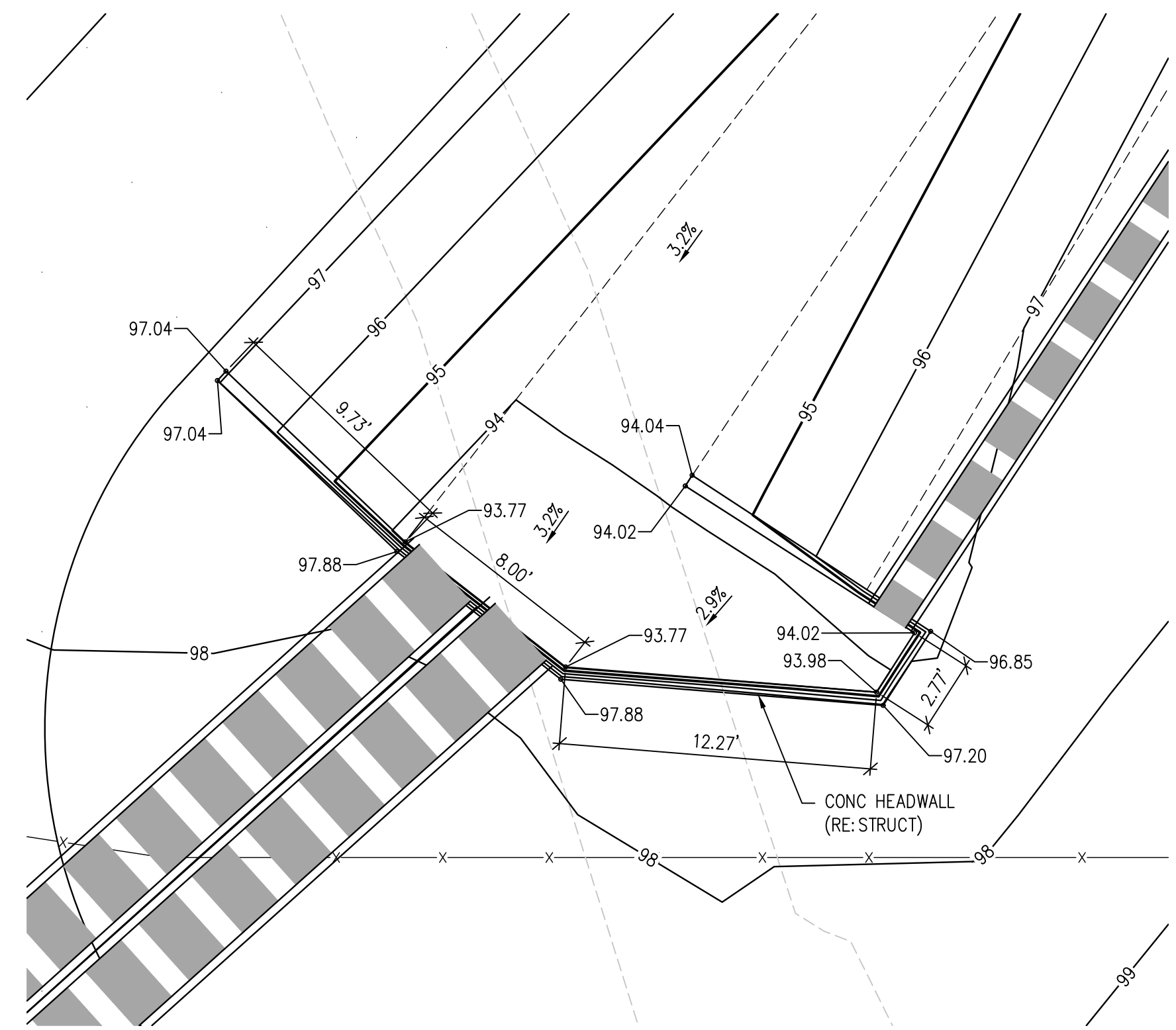
FOREBAY B DETAIL
SCALE: NTS



FOREBAY C DETAIL
SCALE: NTS



ENERGY DISSIPATION BLOCK DETAIL
NTS



HEADWALL A DETAIL
SCALE: NTS

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D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831



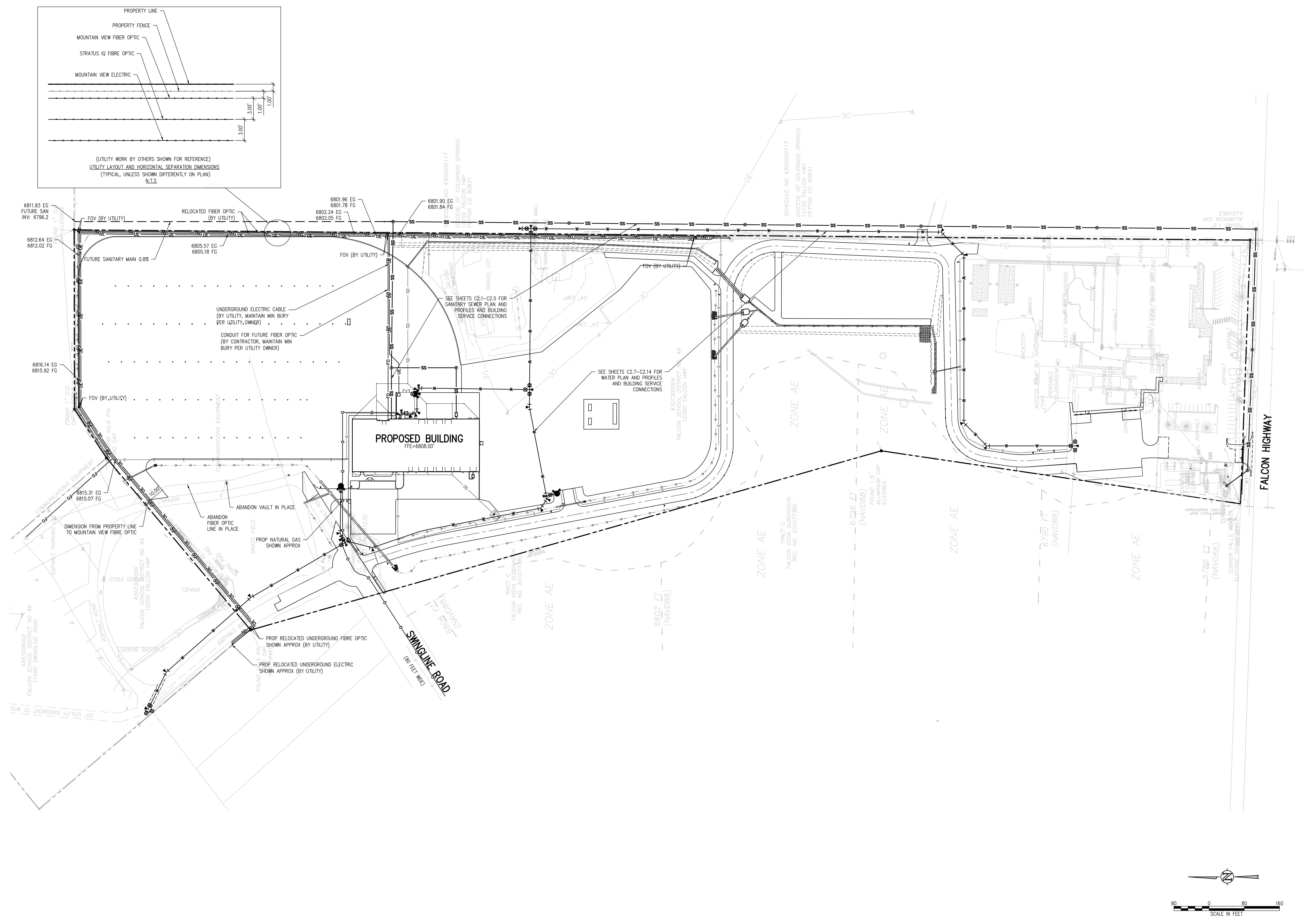
SHEET TITLE
**OVERALL
UTILITY PLAN**

WTA PROJECT NUMBER
2021-041.00
DATE
01/25/2023

DESIGN APPROVAL: **CWK/HCM**
DRAWN BY: **TW/AMB**
CHECKED BY: **CWK**

ISSUED FOR
**CONSTRUCTION
DOCUMENTS**

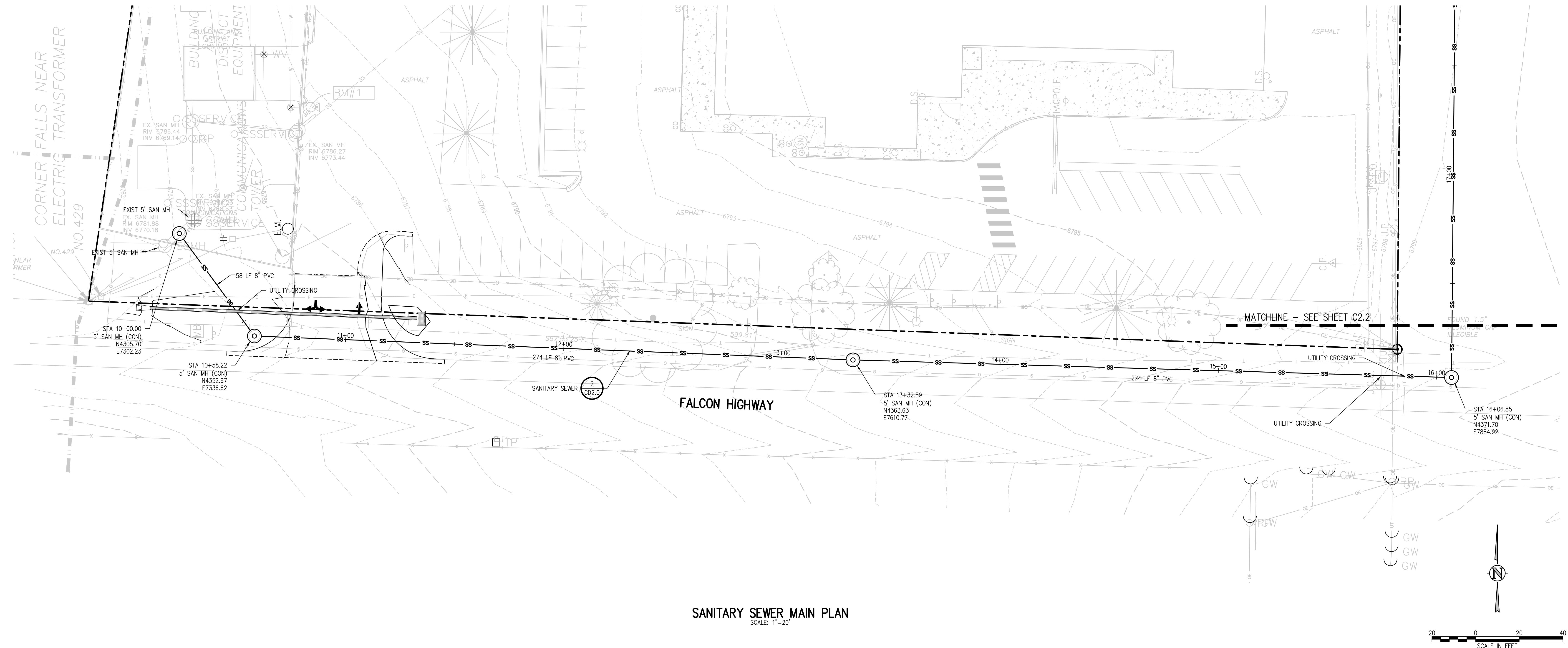
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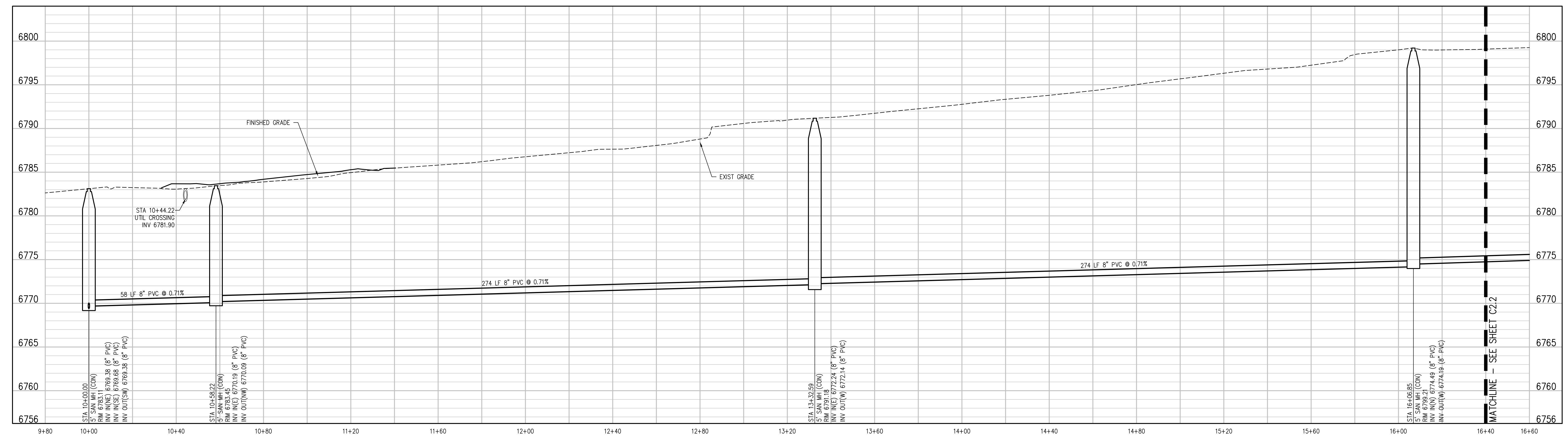
UTILITY NOTES:

- CONTRACTOR TO FIELD VERIFY ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. REFER TO GENERAL NOTES FOR UTILITY LOCATION AND PROTECTION.
- ALL DRY UTILITY AND ELECTRIC DESIGNS ARE PROVIDED BY OTHERS AND SHOWN FOR REFERENCE ONLY. SEE MEP PLANS AND SPECIFICATIONS AND COORDINATE WITH ALL UTILITY OWNERS AS NEEDED.
- CONTRACTOR TO MARK ALL UTILITY STUBS WITH MARKERS.
- CUTOFF WALL TO BE INSTALLED EVERY 200 FEET (MAX) FOR ALL DEEP UTILITY TRENCHING. SEE DETAIL 1/CD2.1.
- SEE SHEET CD2.0 FOR GENERAL NOTES AND ADDITIONAL REQUIREMENTS OF WOODMEN HILLS METRO DISTRICT.

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SANITARY SEWER MAIN PLAN
SCALE: 1"=20'



SANITARY MAIN PROFILE
SCALE: 1"=20' HORIZ
1"=5' VERT

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D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
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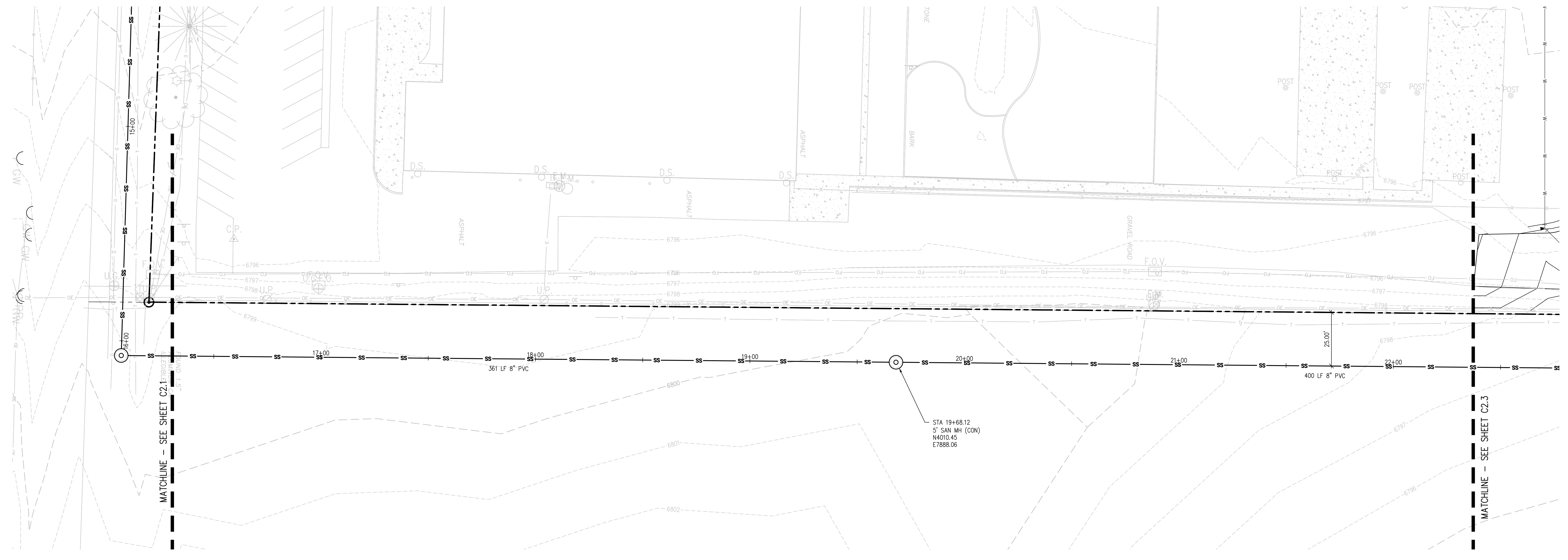


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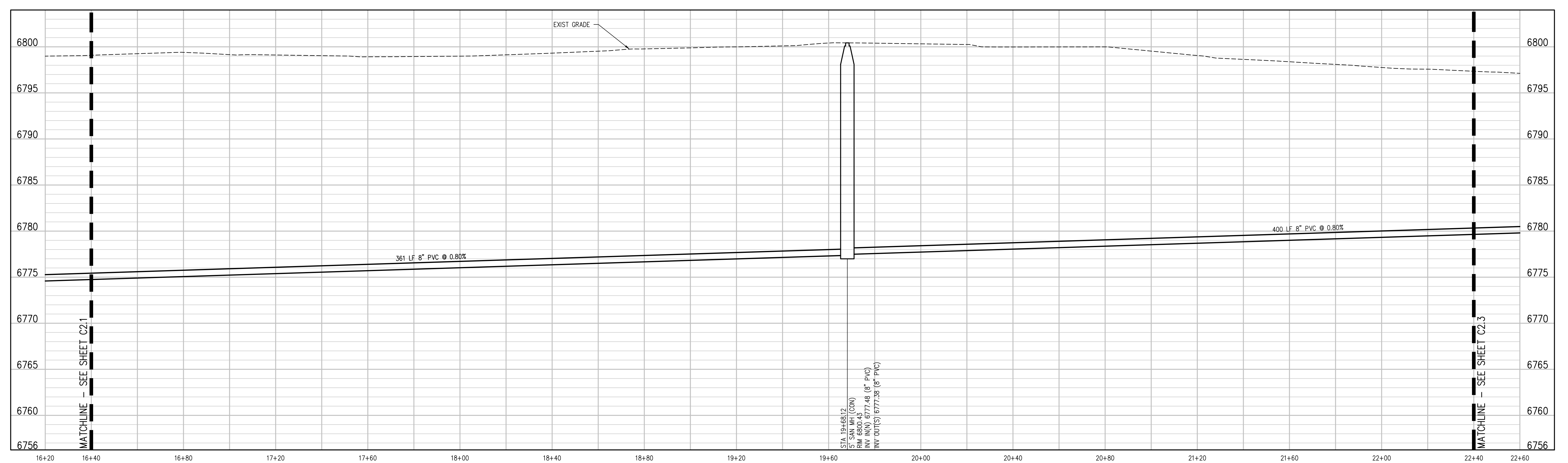
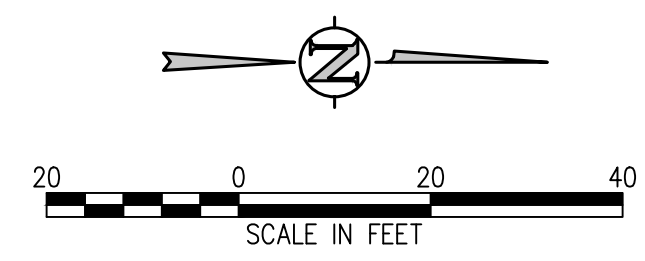
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2021-041-00
DATE
01/25/2023
REVISIONS

DESIGNED BY: **CWK/HCM**
CHECKED BY: **TW/AAB**
DATE FOR CONSTRUCTION DOCUMENTS

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SANITARY SEWER MAIN PLAN
SCALE: 1"=20'



BIN SANITARY MAIN PROFILE
SCALE: 1"=20' HORIZ
1"=5' VERT

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D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
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PEYTON, CO 80831



SHEET TITLE
**SANITARY MAIN
PLAN AND
PROFILE**

WTA PROJECT NUMBER
2021-041.00
DATE
01/25/2023

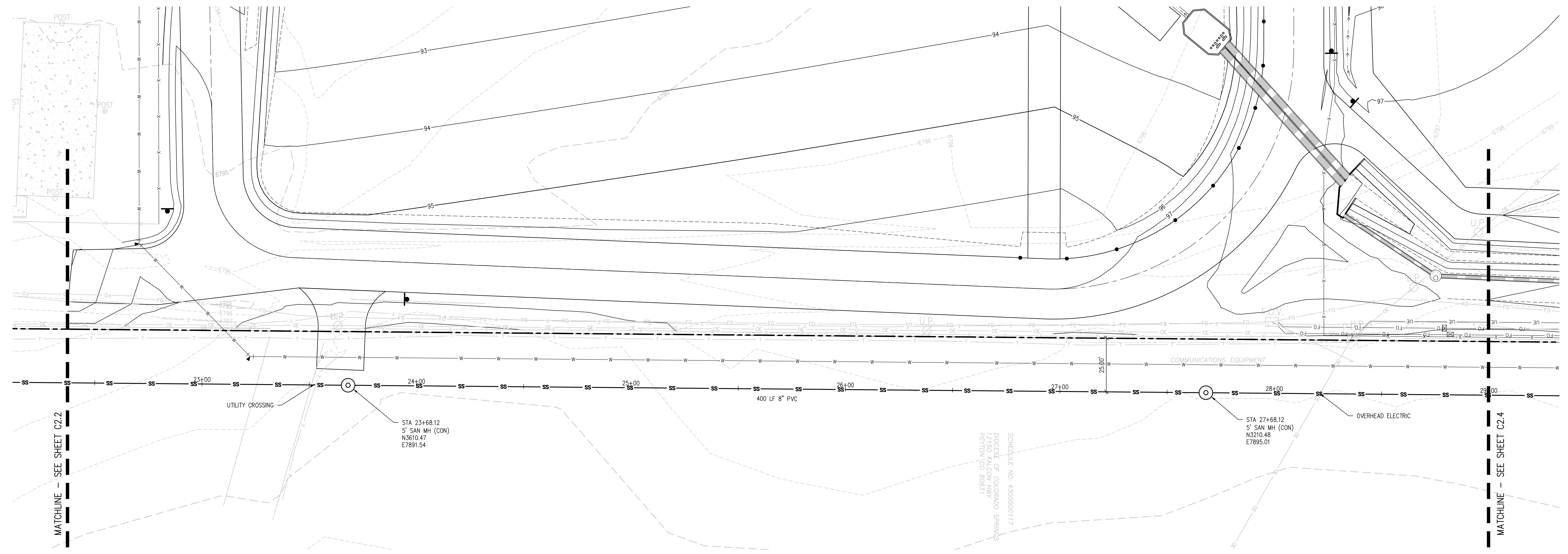
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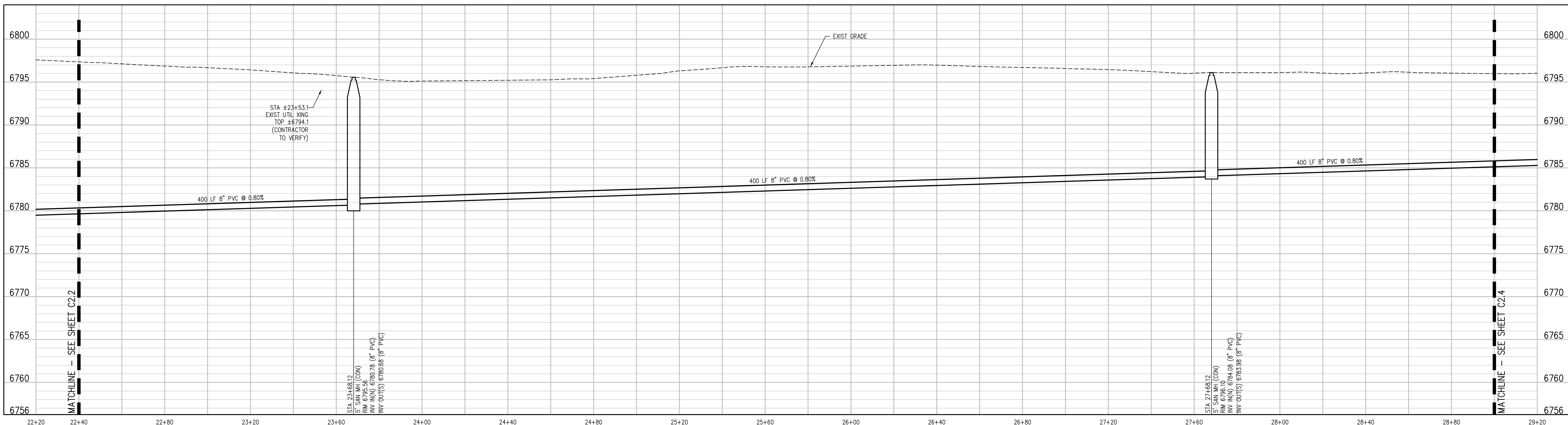
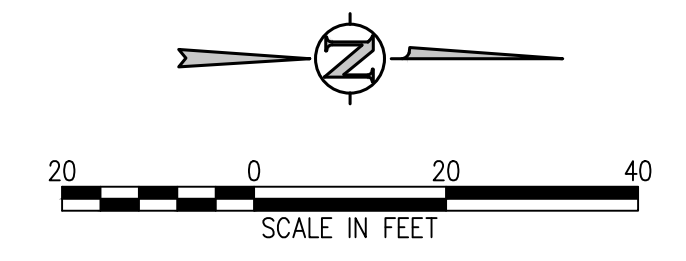
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DRAWN BY: **TW/AMB**
CHECKED BY: **CWK**

ISSUED FOR
**CONSTRUCTION
DOCUMENTS**

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SANITARY SEWER MAIN PLAN
SCALE: 1"=20'



8IN SANITARY MAIN PROFILE
SCALE: 1"=20' HORIZ

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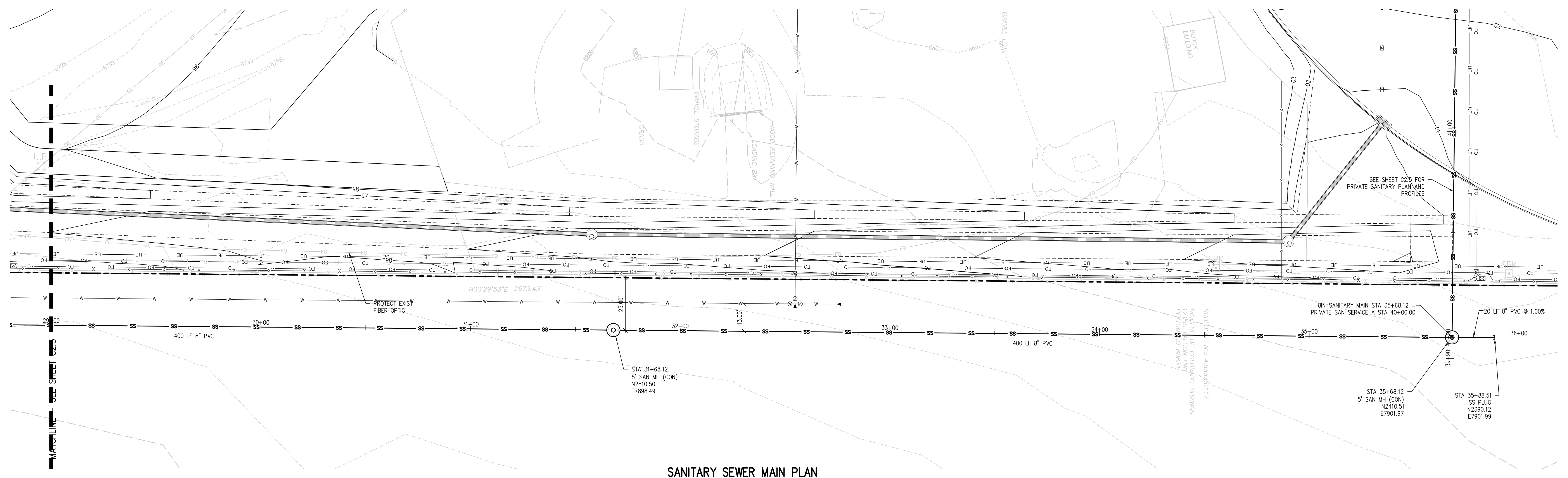


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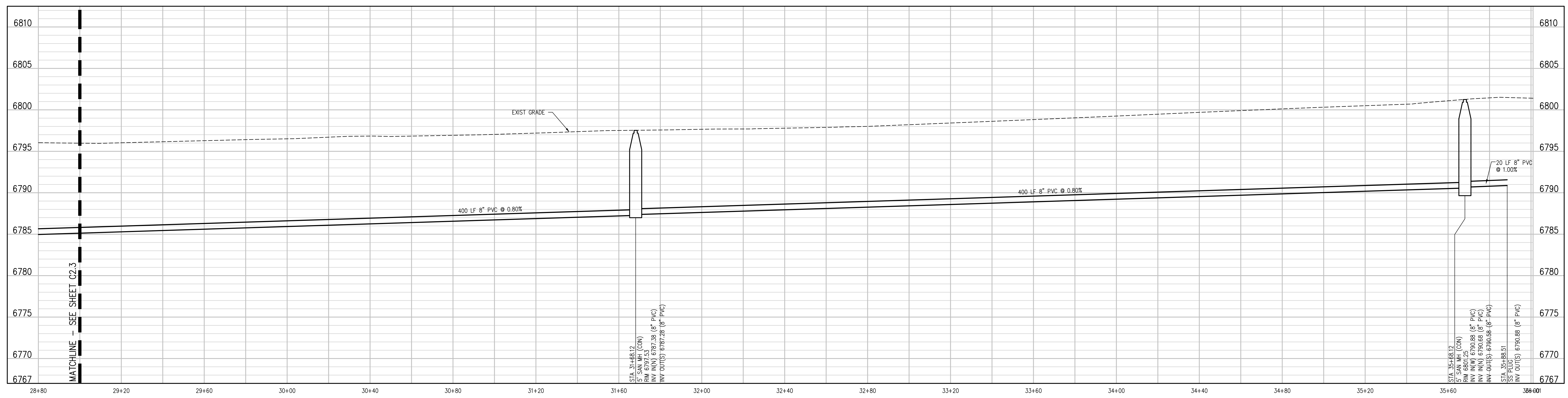
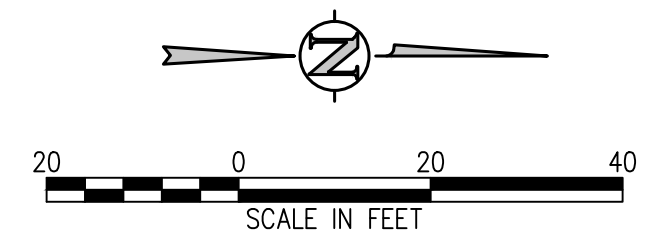
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2021-041-00

DATE
01/25/2023

#	DATE	DESCRIPTION
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SANITARY SEWER MAIN PLAN
SCALE: 1"=20'



BIN SANITARY MAIN PROFILE
SCALE: 1"=20' HORIZ
1"=5' VERT

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SHEET TITLE
SANITARY MAIN PLAN AND PROFILE

DATE PROJECT NUMBER
2021-041.00

DATE REVISIONS
01/25/2023

DESIGNED BY: **CWK/HCM**
CHECKED BY: **TWW/AMB**
APPROVED BY: **CWK**

CONSTRUCTION DOCUMENTS
C2.4



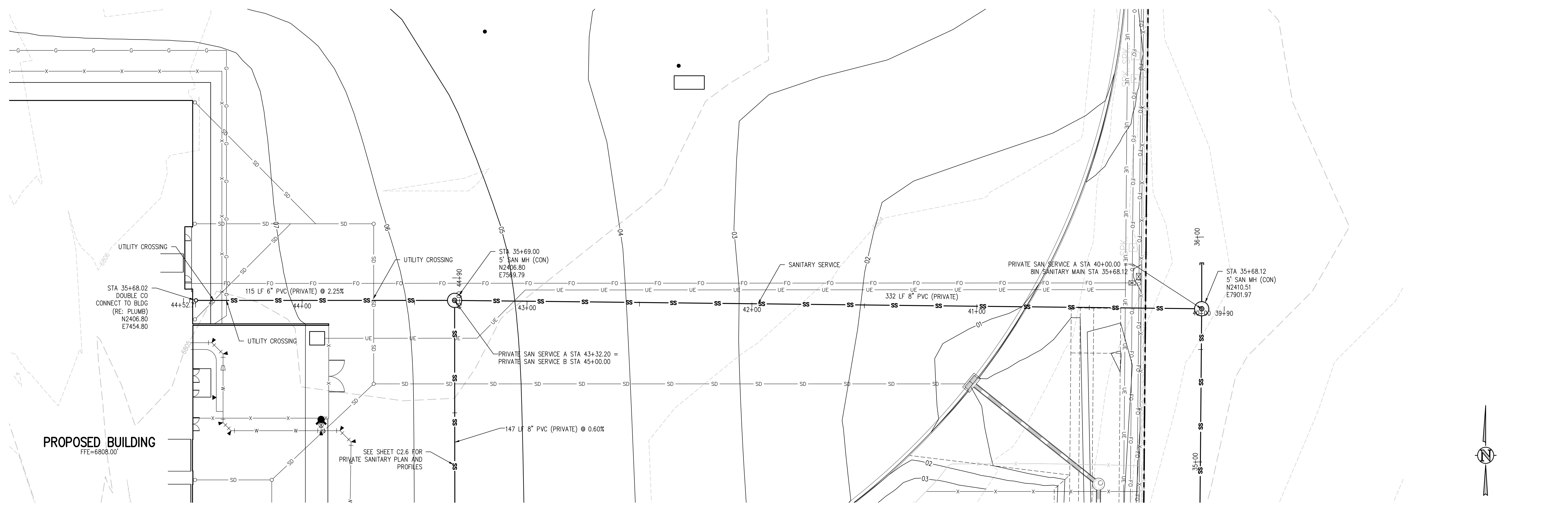
SHEET TITLE
**SANITARY MAIN
PLAN AND
PROFILE**

WTA PROJECT NUMBER
2021-041.00
DATE
01/25/2023

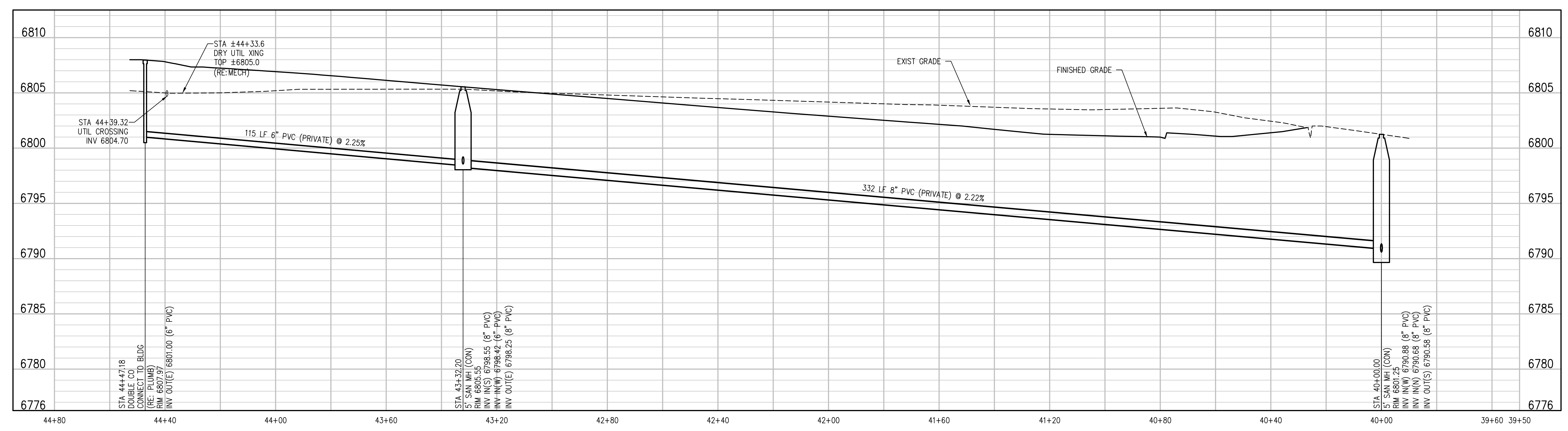
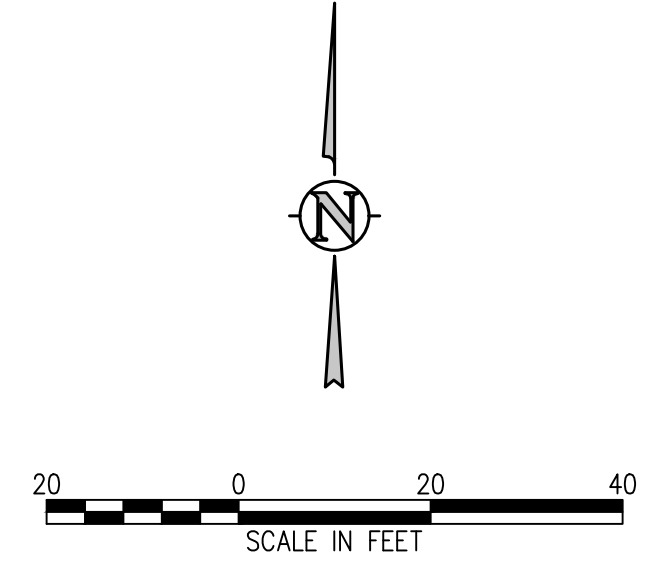
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DESIGNED BY: **CWK/HCM**
CHECKED BY: **TWW/AMB**
DATE: **CWK**

ISSUED FOR:
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DOCUMENTS**



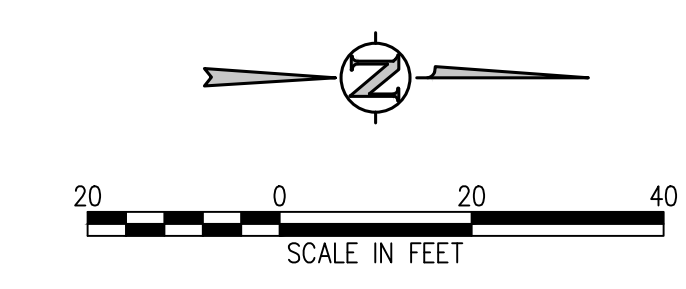
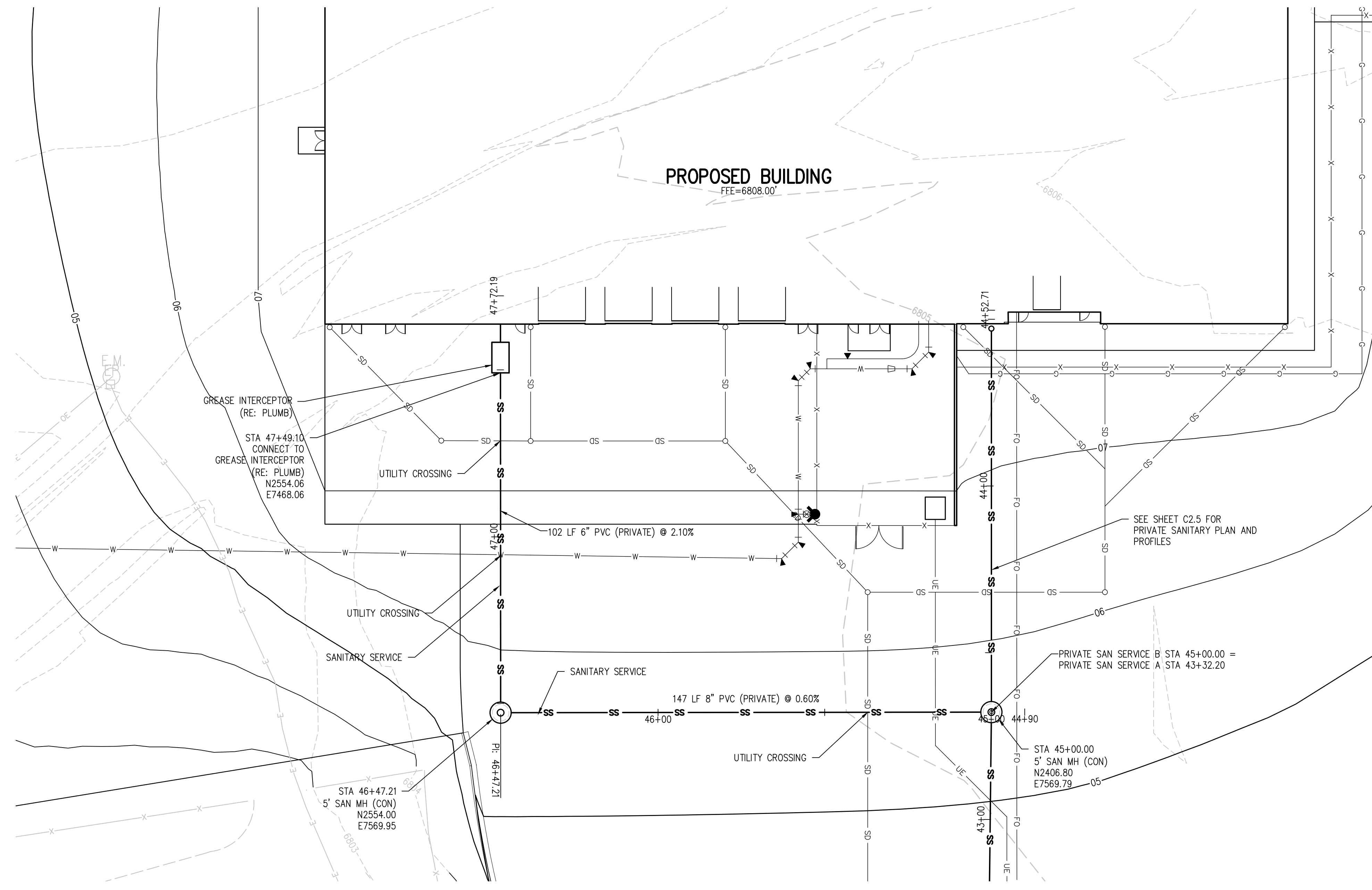
PRIVATE SAN SERVICE A PLAN
SCALE: 1"=20'



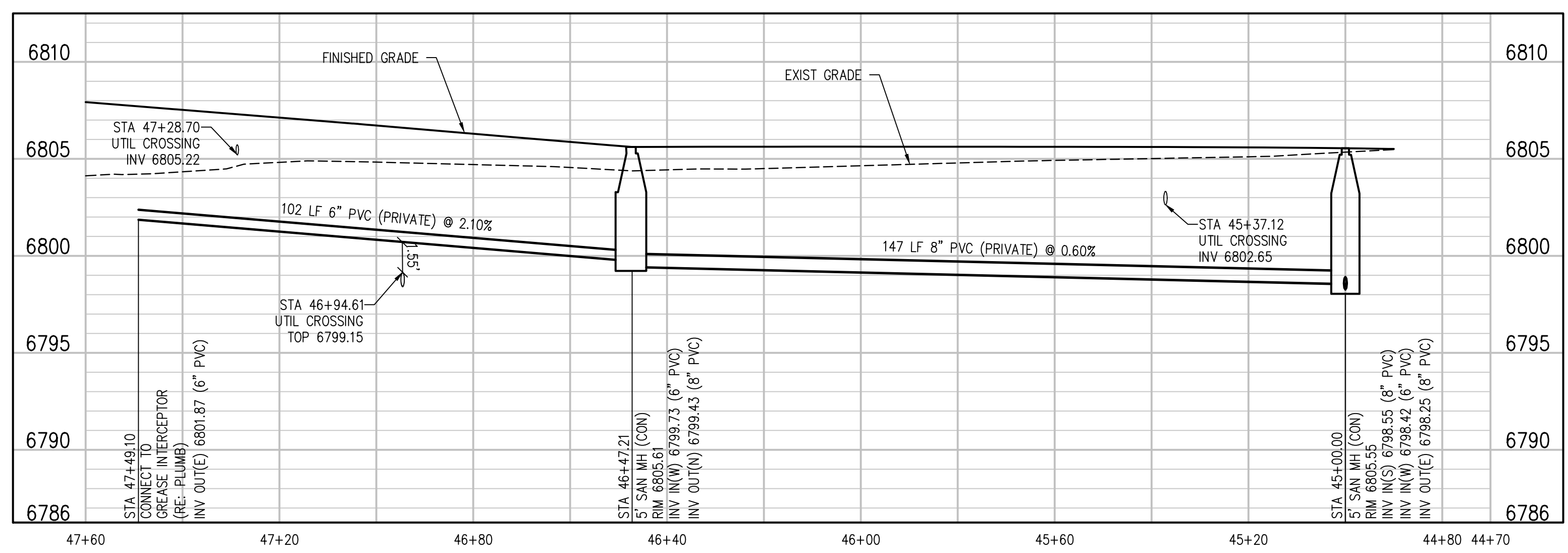
PRIVATE SAN SERVICE A PROFILE
SCALE: 1"=20' HORIZ
1"=5' VERT

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 3. CONTRACTOR TO MARK ALL UTILITY STUBS WITH MARKERS.
 4. CUTOFF WALL TO BE INSTALLED EVERY 200 FEET (MAX) FOR ALL DEEP UTILITY TRENCHING. SEE DETAIL 1/CD.1.
 5. SEE SHEET CD.2 FOR GENERAL NOTES AND ADDITIONAL REQUIREMENTS OF WOODMEN HILLS METRO DISTRICT.

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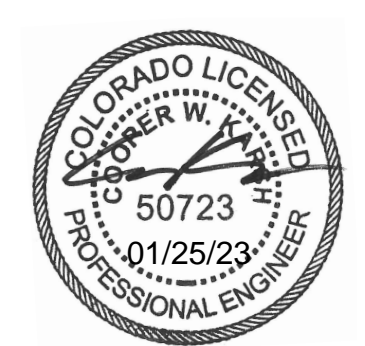
PRIVATE SAN SERVICE B PLAN
SCALE: 1"=20'



PRIVATE SAN SERVICE B PROFILE
SCALE: 1"=20' HORIZ
1"=5' VERT

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 - SEE SHEET C02.0 FOR GENERAL NOTES AND ADDITIONAL REQUIREMENTS OF WOODMEN HILLS METRO DISTRICT.

D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831



SHEET TITLE
SANITARY MAIN PLAN AND PROFILE

RTA PROJECT NUMBER
2021-041.00

DATE
01/25/2023

REVISIONS

#	DATE	DESCRIPTION

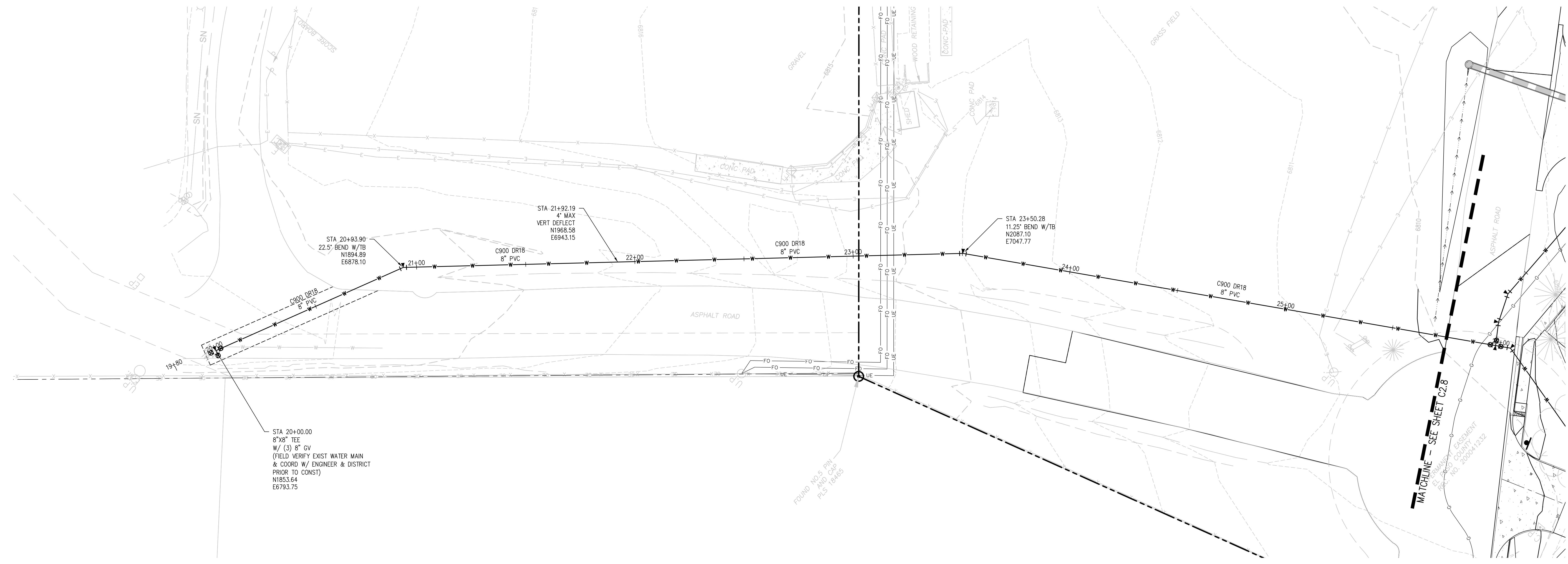
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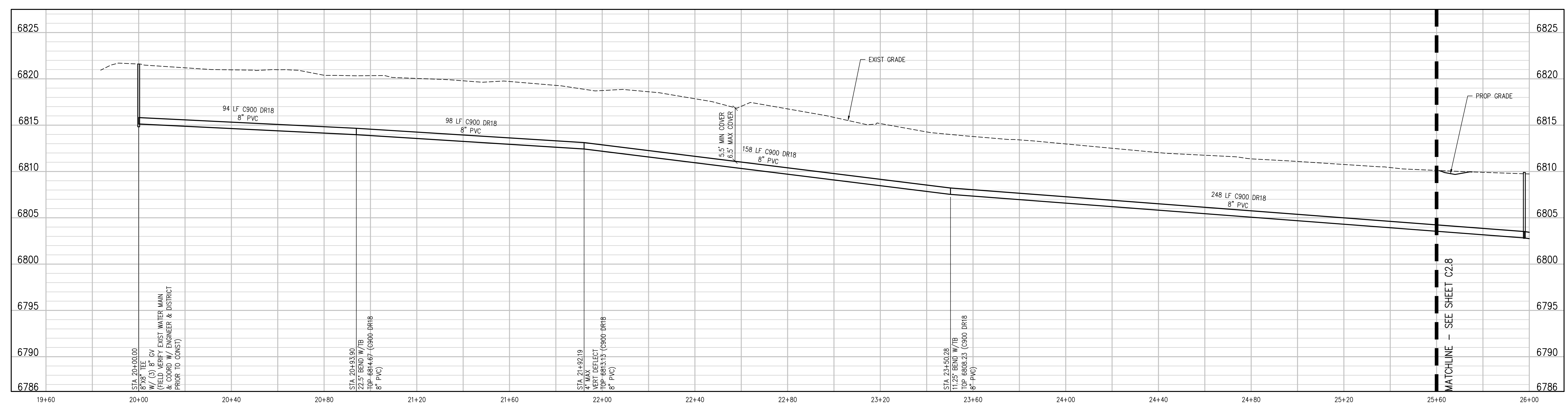
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ISSUED FOR
CONSTRUCTION DOCUMENTS

C2.6



8" C900 WATER MAIN PLAN
SCALE: 1"=20'



BIN WATER MAIN W PROFILE
SCALE: 1"=20' HORIZ
1"=5' VERT

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D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831



SHEET TITLE
WATER MAIN PLAN AND PROFILE

WTA PROJECT NUMBER
2021-041.00
DATE
01/25/2023
REVISIONS

DESIGNED BY: **WTK/HCM**
CHECKED BY: **TWK/HCM**
FOR CONSTRUCTION DOCUMENTS

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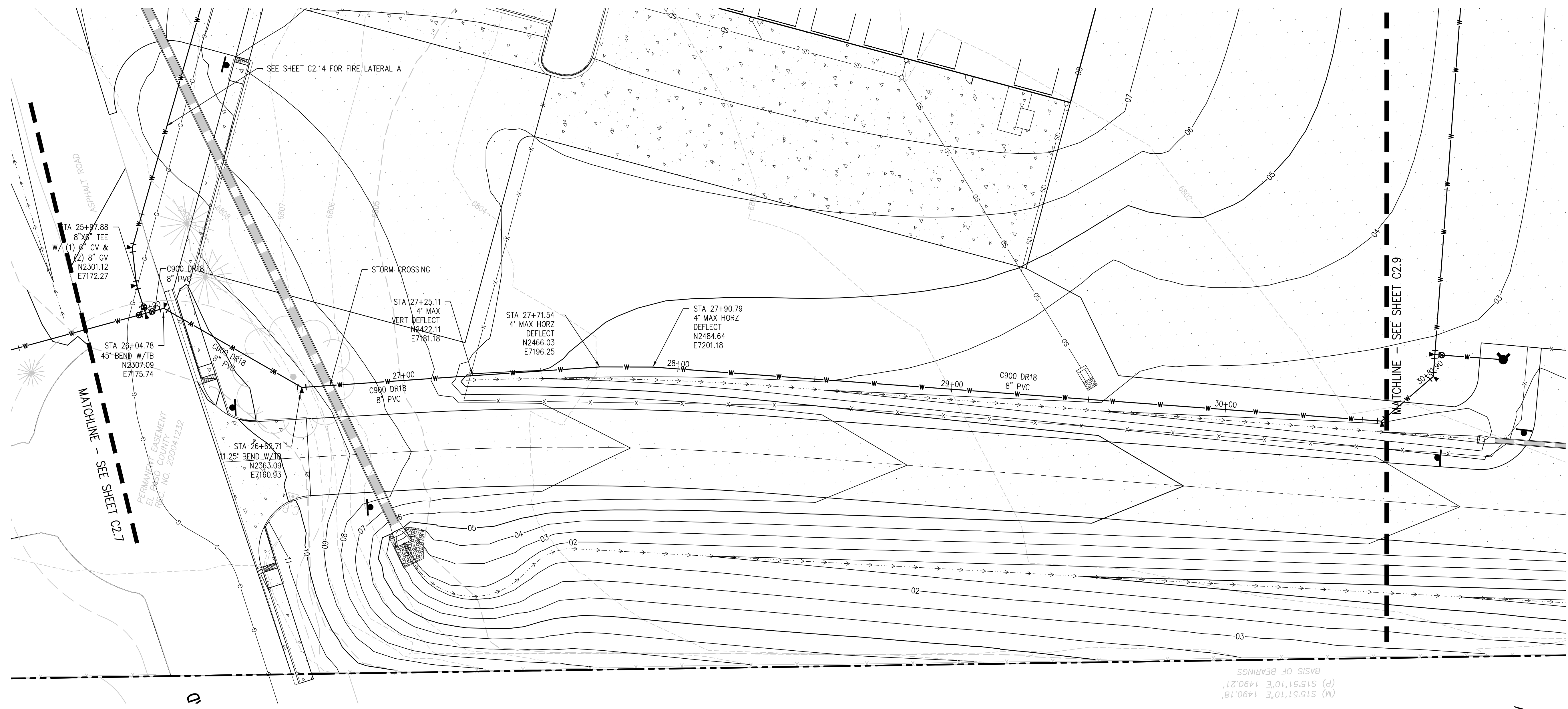


SHEET TITLE
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PLAN AND
PROFILE**

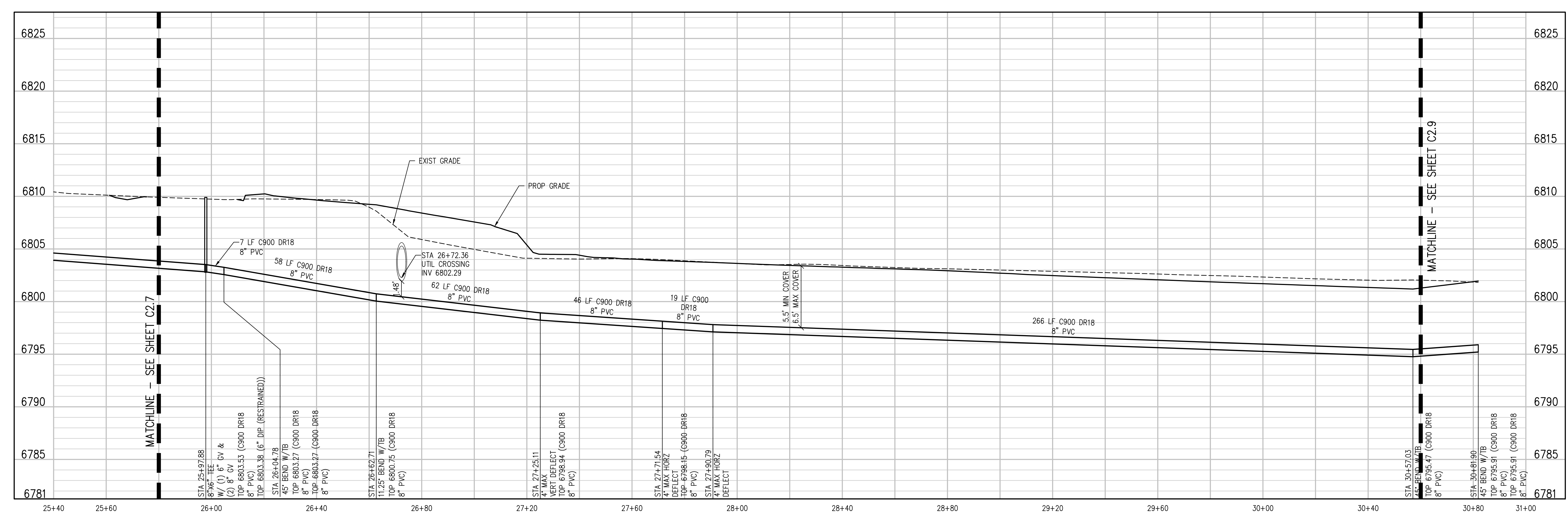
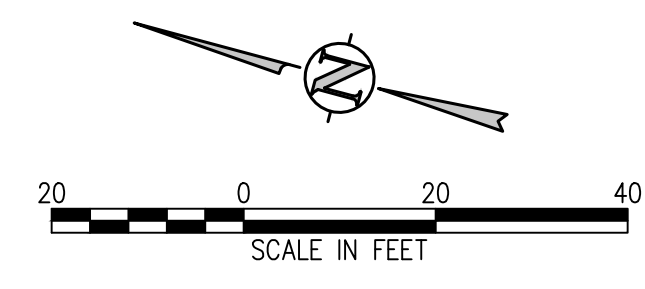
WTA PROJECT NUMBER
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DATE
01/25/2023

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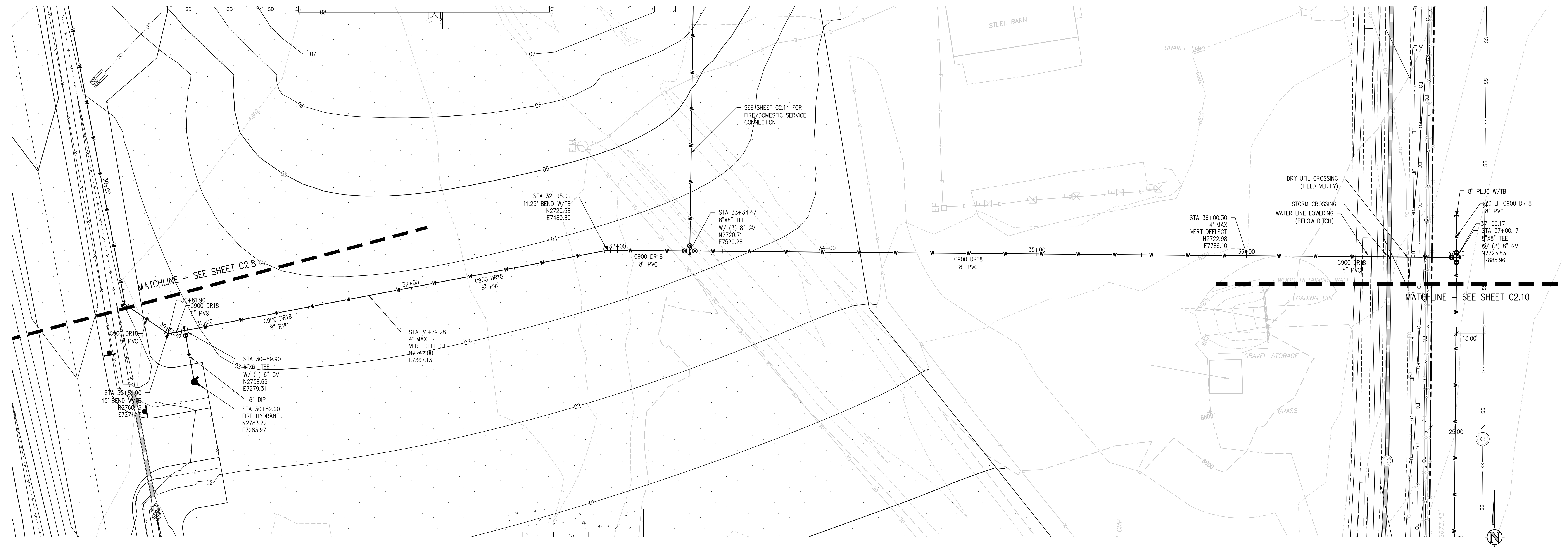


8" C900 WATER MAIN PLAN
SCALE: 1"=20'

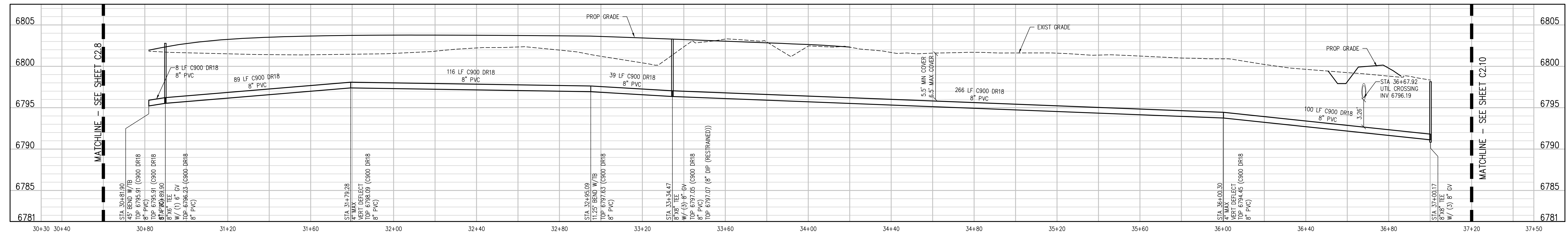


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8" C900 WATER MAIN PLAN
SCALE: 1"=20'



8" C900 WATER MAIN W-E PROFILE
SCALE: 1"=20' HORIZ
1"=5' VERT

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D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831



SHEET TITLE
WATER MAIN PLAN AND PROFILE

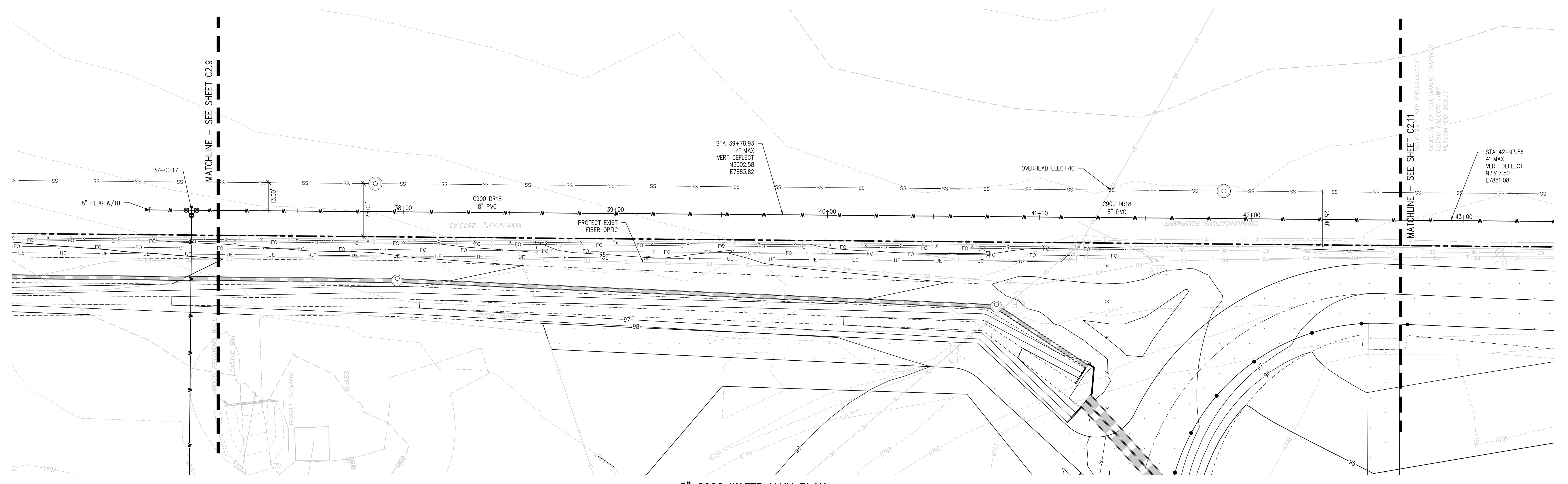
WTA PROJECT NUMBER
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DATE
01/25/2023
REVISIONS

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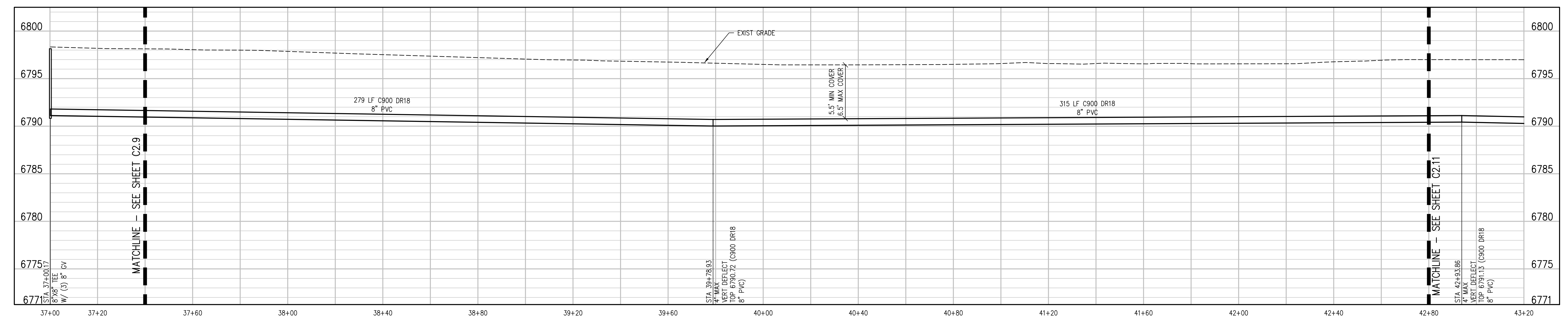
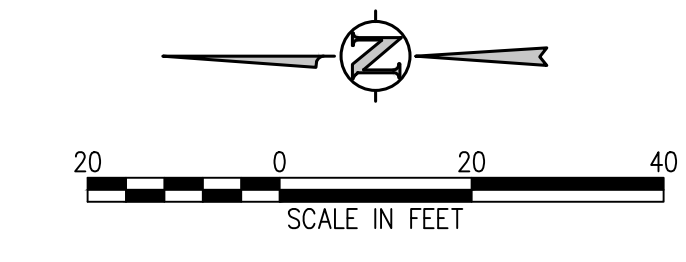
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DRAWN BY: **TWW/AMB**
CHECKED BY: **CWK**

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CONSTRUCTION DOCUMENTS

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8" C900 WATER MAIN PLAN
SCALE: 1"=20'



BIN WATER MAIN E PROFILE
SCALE: 1"=20' HORIZ
1"=5' VERT

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SCHOOL DISTRICT NO 49
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PEYTON, CO 80831



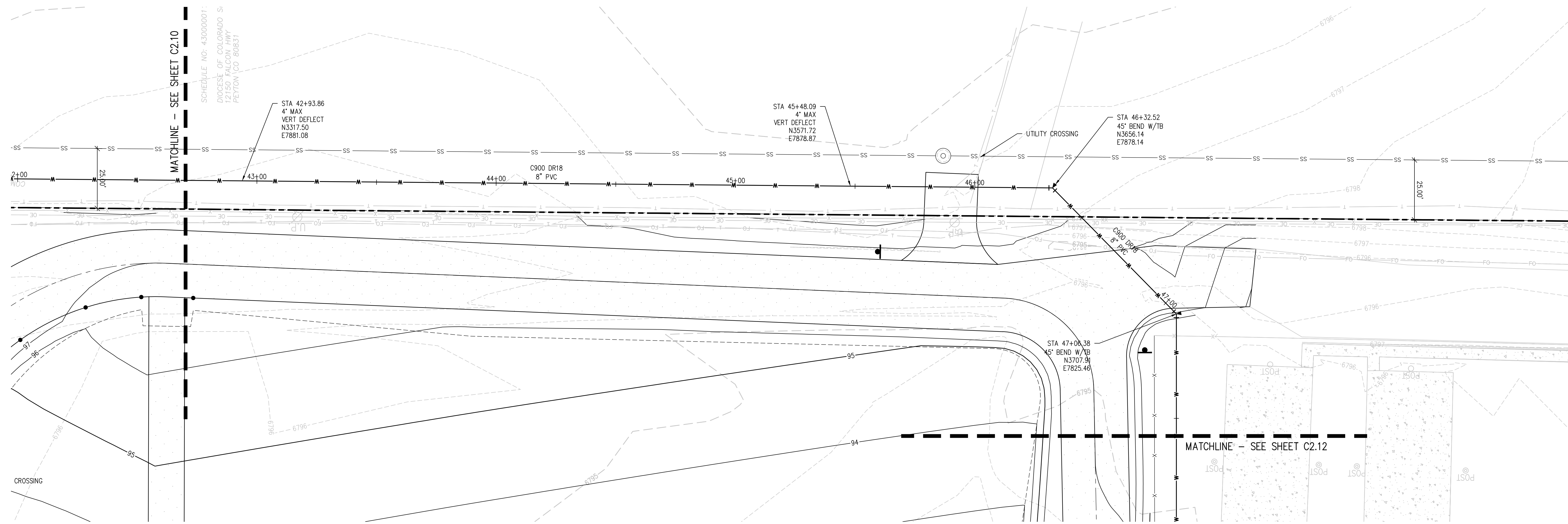
WATER MAIN PLAN AND PROFILE

PROJECT NUMBER: **2021-041.00**
DATE: **01/25/2023**

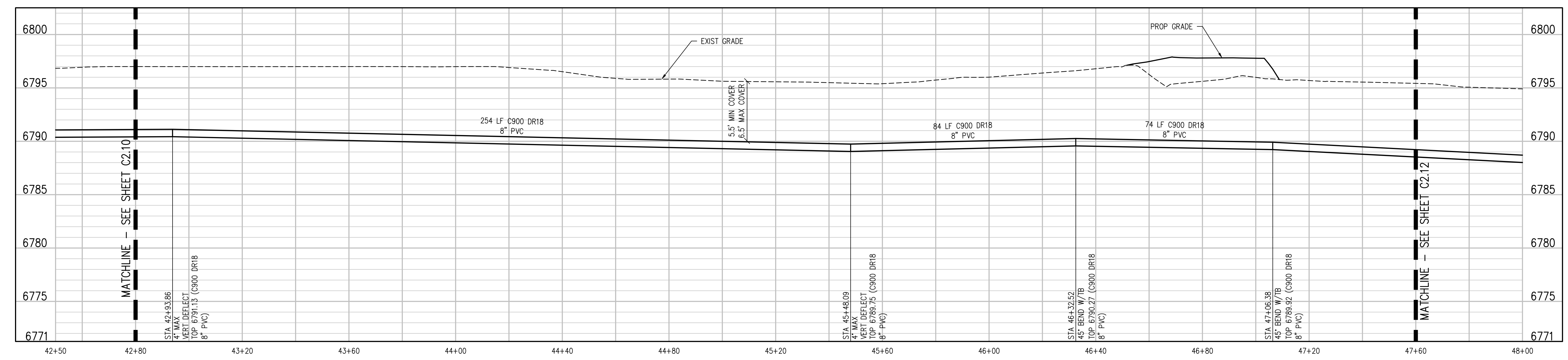
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8" C900 WATER MAIN PLAN
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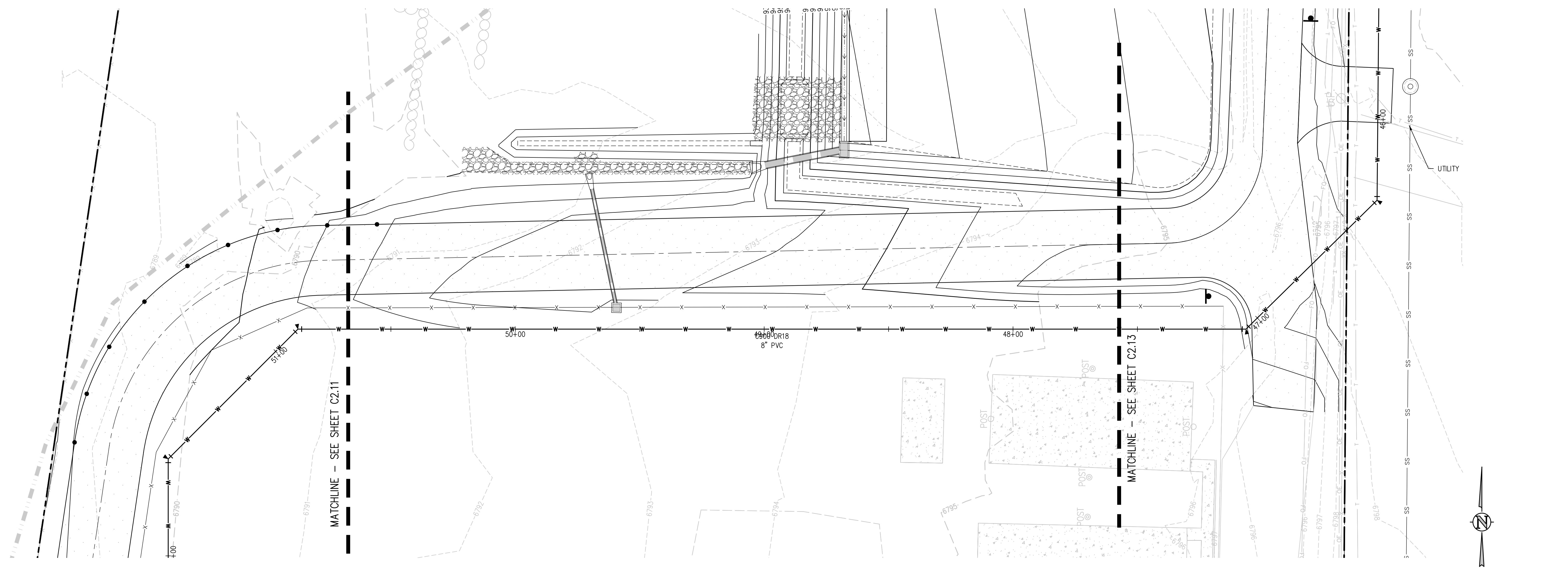
WATER MAIN
PLAN AND
PROFILE

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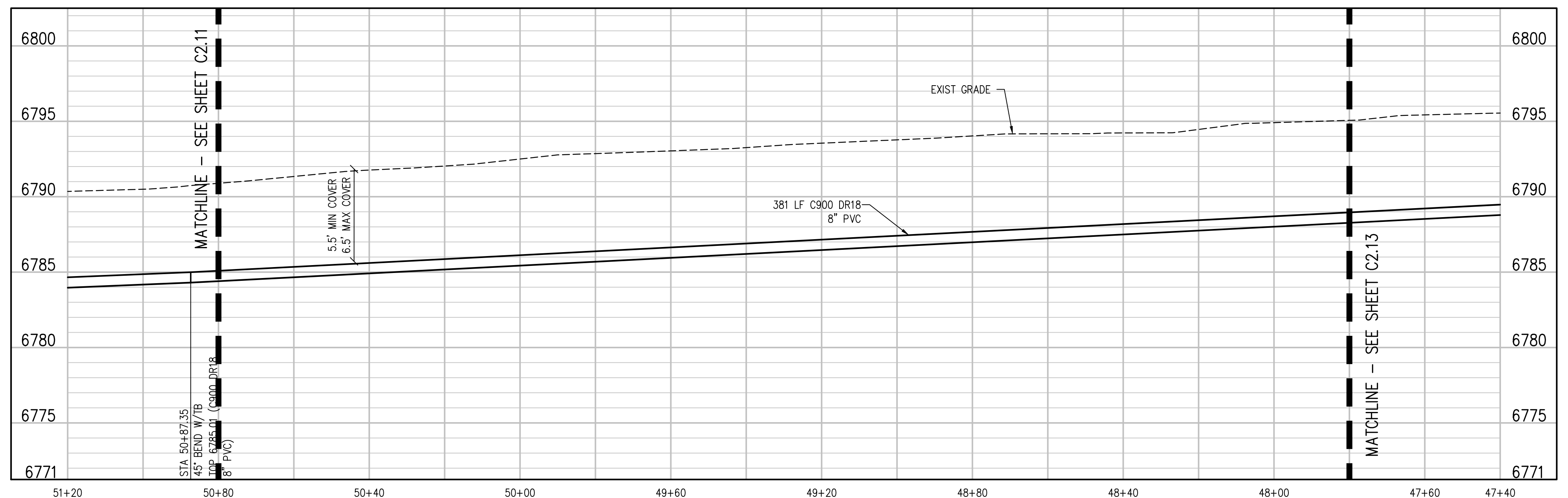
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DESIGNED BY: **CWK/HCM**
CHECKED BY: **TWH/AHB**
DATE: **CWK**

CONSTRUCTION DOCUMENTS
C2.11



8" C900 WATER MAIN PLAN
SCALE: 1"=20'



8"IN WATER MAIN E PROFILE
SCALE: 1"=20' HORIZ
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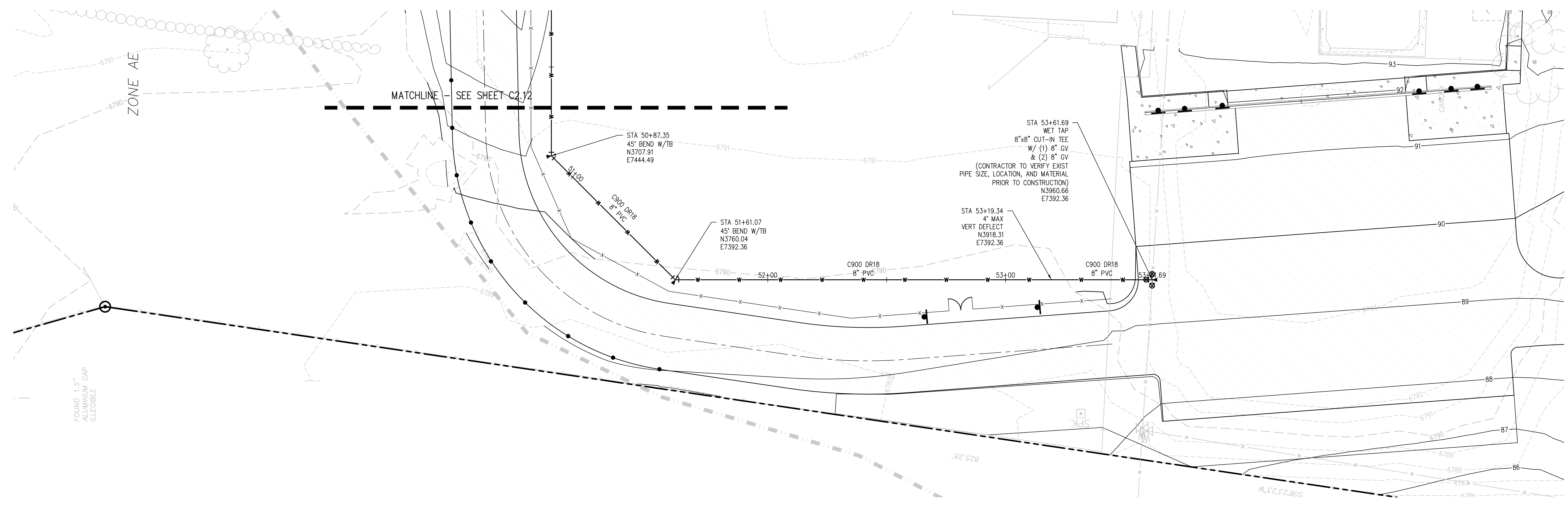
SHEET TITLE
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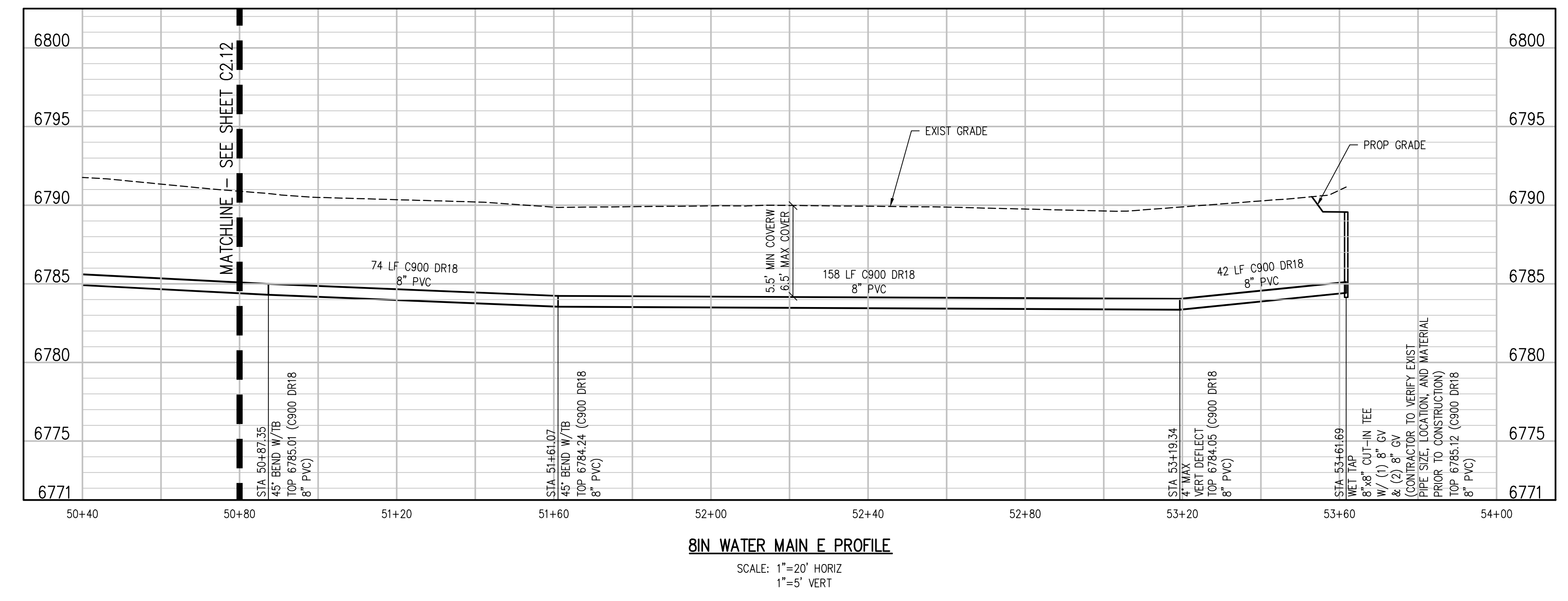
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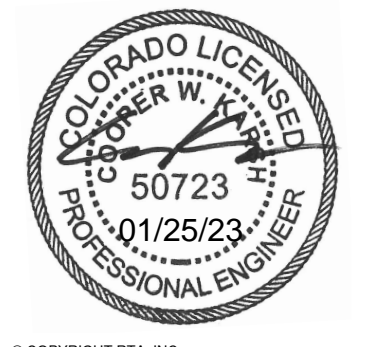
8" C900 WATER MAIN PLAN
SCALE: 1"=20'



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D49 TRANSPORTATION CENTER
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11971 SWINGLINE ROAD
PEYTON, CO 80831



WATER MAIN PLAN AND PROFILE

WTA PROJECT NUMBER
2021-041.00
DATE
01/25/2023

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DESIGNED BY: **CWK/HCM**
DRAWN BY: **TWW/AMB**
CHECKED BY: **CWK**

ISSUED FOR
CONSTRUCTION DOCUMENTS

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PROJECT TITLE
FIRE & DOMESTIC SERVICE LAT P&P

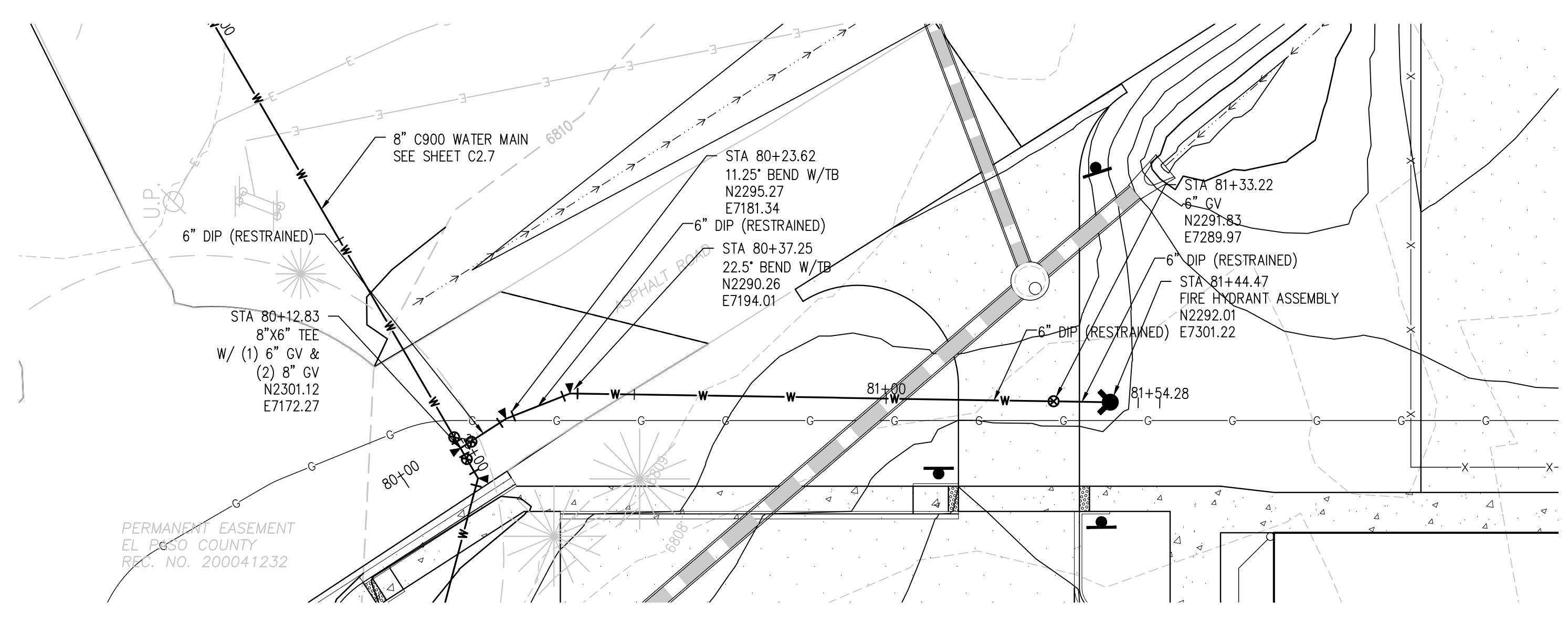
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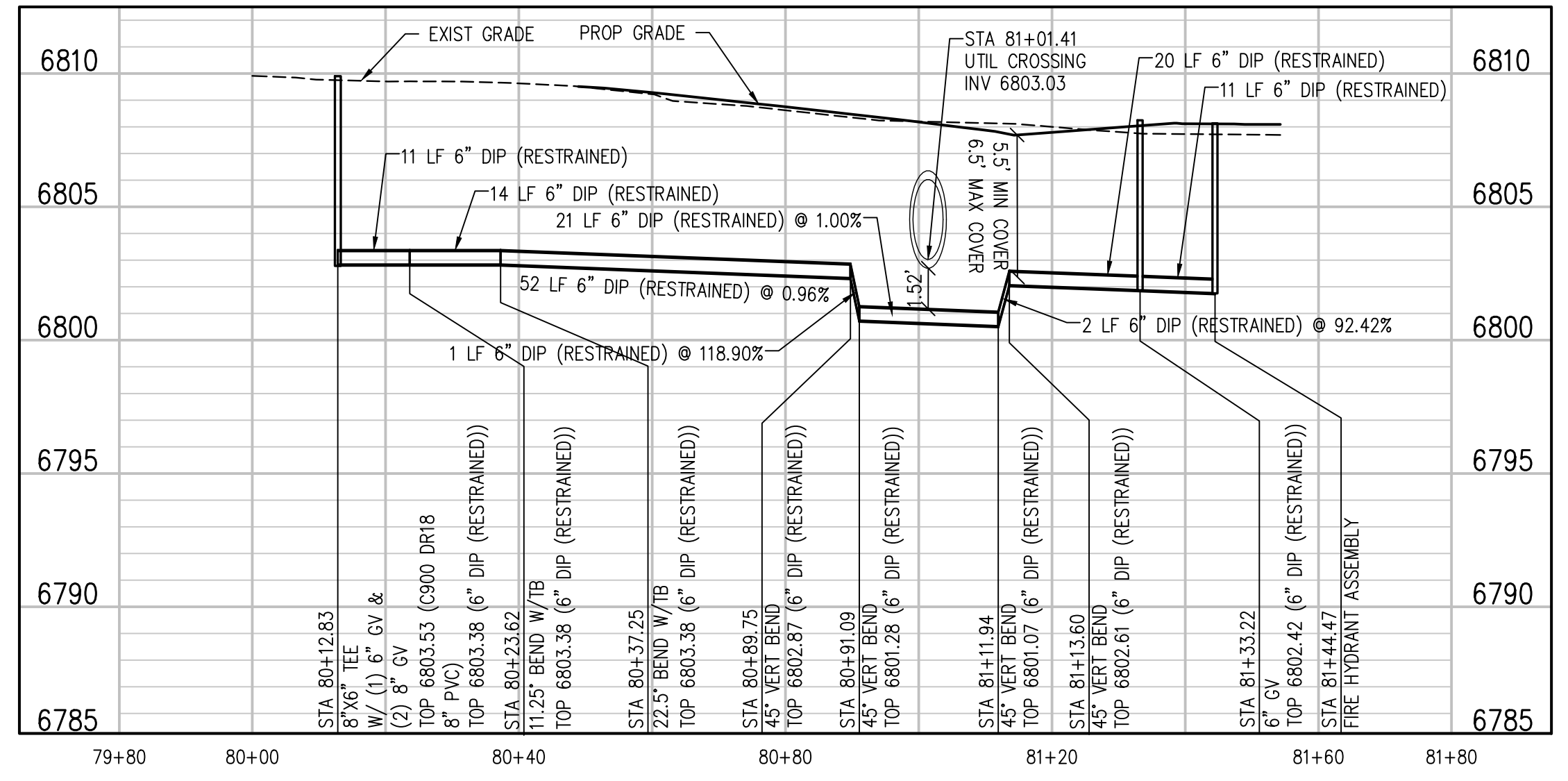
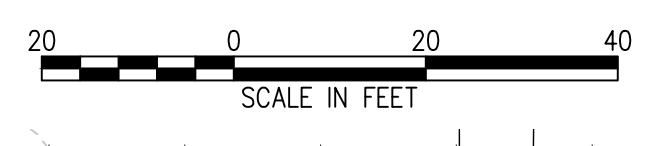
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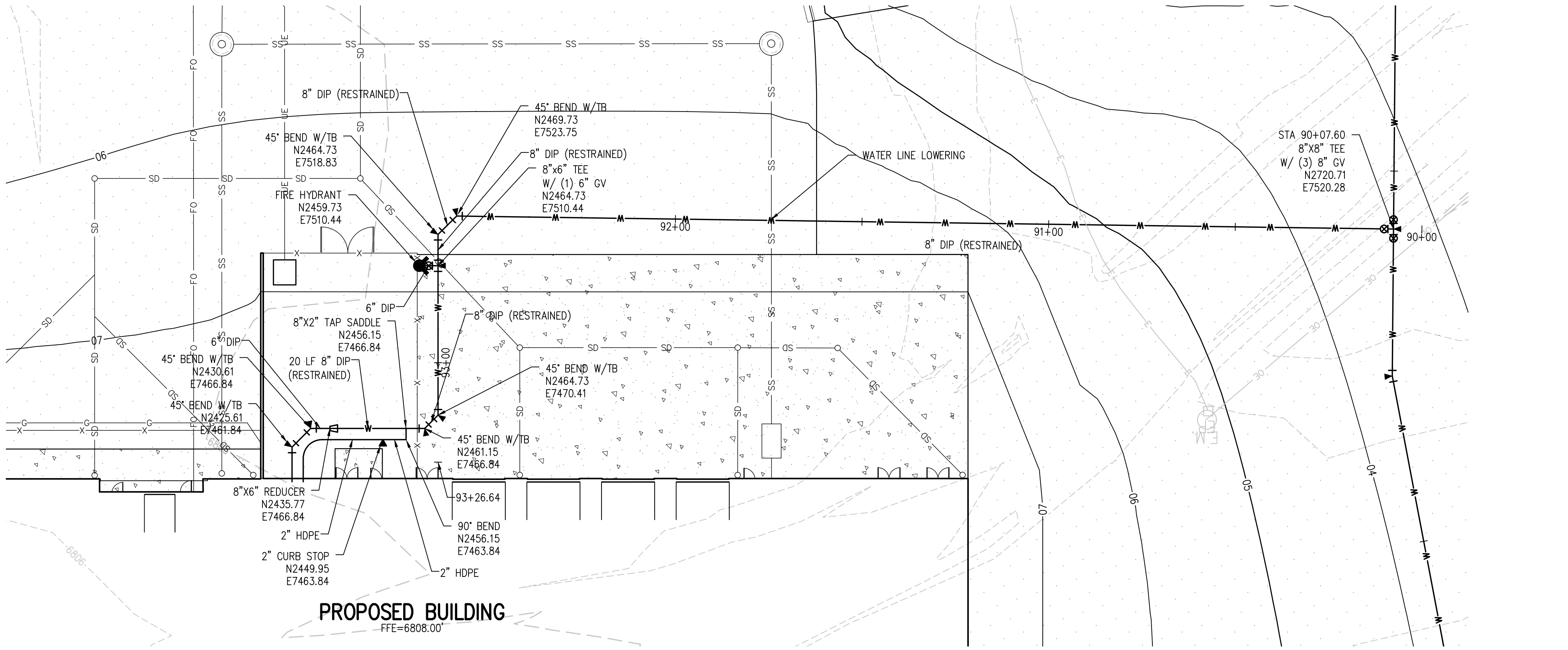
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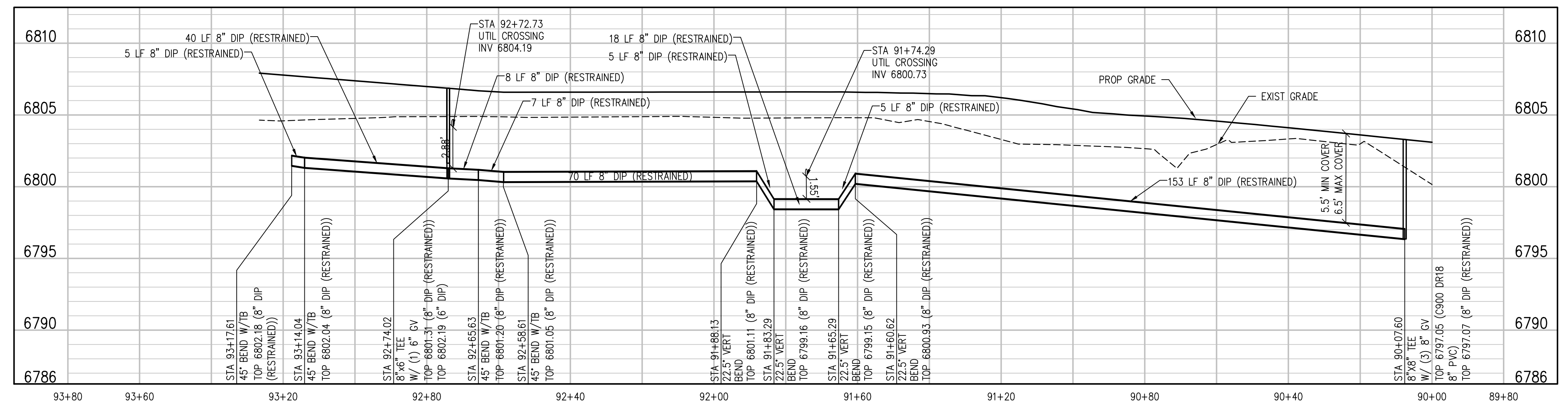
6" DIP FIRE LATERAL PLAN
SCALE: 1"=20'



FIRE LINE A PROFILE
SCALE: 1"=20' HORIZ
1"=5' VERT



8" DIP FIRE-DOMESTIC LATERAL PLAN
SCALE: 1"=20'



FIRE-DOMESTIC SERVICE LINE B PROFILE
SCALE: 1"=20' HORIZ
1"=5' VERT

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WOODMEN HILLS METROPOLITAN DISTRICT GENERAL NOTES

GENERAL

1. ALL UTILITY CONSTRUCTION TO BE CONDUCTED IN CONFORMANCE WITH THE CURRENT WOODMEN HILLS METROPOLITAN DISTRICT (WMD, THE DISTRICT) SPECIFICATIONS.
2. ALL PLANS ON THE JOB SET SHALL BE SIGNED BY THE DISTRICT AND THE DISTRICTS ENGINEER. ANY REVISION TO PLANS SHALL BE SO NOTED WITH THE OLD DRAWING MARKED "NOT MADE".
3. ALL STATINGS IS CONTAINERS UNLESS OTHERWISE NOTED. ALL ELEVATIONS ARE EXTENSIVE UNLESS OTHERWISE NOTED.
4. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE DISTRICT. THE DISTRICT RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO THE STANDARDS AND SPECIFICATIONS.
5. ALL OVER-CURB GRADING MUST BE COMPLETED TO MEET ONE (1) FOOT OF FINAL GRADE PRIOR TO INSTALLATION OF WATER AND WASTEWATER INFRASTRUCTURE.
6. ALL WATER AND SEWER STREET LOCATIONS SHALL BE CLEARLY MARKED ON EITHER THE CURB OR ON THE FACE OF THE CURB WITH AN "S" FOR SEWER AND A "W" FOR WATER.
7. EXCEPT FOR PIPE, INCLUDING FITTINGS, VALVES, AND FIBER OPTIC CABLE, ALL MATERIALS SHALL BE MARKED WITH INDENTIFICATION TAGS, INCLUDING SERIAL, MODEL, MANUFACTURER, DATE, AND LATERALLY EXHAUSTED. ENDING AND ANODE CONNECTIONS SHALL BE THOROUGHLY COATED WITH BITUMINOUS COATING.
8. ALL DUCTILE IRON PIPE LESS THAN TWELVE INCHES (12") AND FITTINGS SHALL HAVE CATHODIC PROTECTION USING TWO (2) NO. 4 ANODES WITH 17 LB. MANGANESE ANODES EVERY 400 FEET AND 1 LB. MANGANESE ANODES AT EACH FITTING. ALL DUCTILE IRON PIPE TWELVE INCHES (12") AND GREATER AND FITTINGS SHALL HAVE CATHODIC PROTECTION USING TWO (2) NO. 4 ANODES WITH 17 LB. MANGANESE ANODES EVERY 300 FEET AND 1 LB. MANGANESE ANODES AT EACH FITTING.
9. ALL PIPE MATERIAL, BACKFILL, AND INSTALLATION SHALL CONFORM TO THE APPLICABLE SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS, COLORADO DEPARTMENT OF TRANSPORTATION, L.S. PAVEMENT PERFORMANCE OF TRANSPORTATION, COLORADO SPRINGS UTILITIES, AND THE GEOLOGICAL ENGINEER.
10. CONNECTION TESTS SHALL BE IN ACCORDANCE WITH STANDARDS AS DETERMINED BY ACTUAL SAMPLES UNLESS OTHERWISE APPROVED BY THE DISTRICT. OTHER STANDARDS AS IMPOSED BY ANOTHER AGENCY SHALL BE USED FOR ALL CONNECTIONS. THIS SHALL INCLUDE ALL VALVES, FIRE HYDRANT TAPS, WATER & SEWER SERVICES, AND MANHOLES. ALL REPORTS SHALL BE SUBMITTED TO THE DISTRICT FOR REVIEW AND APPROVAL.
11. THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY. THE LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED PRIOR TO COMMENCING CONSTRUCTION. APPROVED THE DISTRICT SHALL BE NOTIFIED OF ANY CHANGES TO THE LINE AND/OR SERVICE LOCATIONS AS DETERMINED ON THE PLANS. CONTRACTOR SHALL SUBMIT TO THE DISTRICT AND THE ENGINEER A REPORT OF THE FIELD-VERIFIED INFORMATION PRIOR TO THE START OF CONSTRUCTION.
12. ALL BENEFITS SHALL BE FIELD TESTED PRIOR TO THE START OF CONSTRUCTION.
13. BENEFIT, DETECTION AND CUT PIPE LENGTHS SHALL BE USED TO INDICATE HORIZONTAL ALIGNMENT OF SERVICE AND WATER LINES TO NO MORE THAN 0.5" FROM THE DESIRED ALIGNMENT. CONNECTIONS SHALL BE AT 90 DEGREE ANGLES. ALL UTILITY LINES SHALL BE MARKED TO INDICATE LOCATION OF UTILITY CONSTRUCTION.
14. AT ALL LOCATIONS WHERE CAP AND STUB IS NOTED ON DRAWINGS, PROVIDE A PLUG AT THE END OF THE PIPE. JOINT NEAREST THE SPECIFIED STATION. PROVIDE A REVERSE ANCHOR AT ALL LOCATIONS WHERE CAP AND STUB IS NOTED ON DRAWINGS.
15. ALL UNSEED, GRAVELLED WATER UTILITY MANHOLES SHALL BE REVERSED TO THE METROPOLITAN DISTRICT AS REQUIRED.
16. AT THE CONTRACTOR'S EXPENSE, ALL UTILITY LINES SHALL BE SUPPORTED AND PROTECTED SUCH THAT THEY SHALL FUNCTION CONTINUOUSLY DURING CONSTRUCTION OPERATIONS. SHOULDS A UTILITY MAIN FAIL, CAP AND STUB IS NOTED ON DRAWINGS, IT SHALL BE REPLACED IMMEDIATELY BY THE CONTRACTOR AT HIS/HER COST AT THE END OF LABOR AND MATERIALS BY THE CONTRACTOR'S EXPENSE.
17. FINISHING OR FINISH OPERATIONS SHALL BE REVIEWED AND APPROVED BY BOTH THE DISTRICT AND THE DISTRICTS ENGINEER PRIOR TO EXISTENCE.
18. THE CONTRACTOR SHALL REPLACE OR REPAIR MANHOLE TO ALL SURFACE CONDITIONS INCLUDING BUT NOT LIMITED TO FENCES, LANDSCAPING, CURBS AND UTILITY AND/OR ASPHALT THAT MAY BE CAUSED DURING CONSTRUCTION.
19. ALL CONTRACTORS WORKING ON OR NEAR A WATER OR SEWER FACILITY TO INCLUDE SERVICE LINES SHALL HAVE LIABILITY INSURANCE NAMING THE DISTRICT AS AN ADDITIONAL INSURED AND SHALL MAINTAIN A CURRENT COPY OF WORKERS COMPENSATION INSURANCE ON FILE WITH THE DISTRICT. NO WORK CAN PROCEED WITHOUT CURRENT CERTIFICATES ON FILE AT THE DISTRICTS OFFICE.
20. THE CONTRACTOR SHALL NOTIFY THE DISTRICT AND ALL AFFECTED UTILITY COMPANIES REGARDING THE PROPOSED UTILITY CONSTRUCTION A MINIMUM OF 48 HOURS AND A MAXIMUM OF 90 HOURS PRIOR TO THE START OF CONSTRUCTION. A MEET-UP CONSTRUCTION MEETING SHALL BE HELD WITH THE CONTRACTOR, DISTRICTS ENGINEER AND ALL OTHER PARTIES AS DEEMED NECESSARY BY THE DISTRICT.
21. COMMENCEMENT OF CONSTRUCTION OF WATER/SEWER SYSTEMS WITHIN METROPOLITAN DISTRICT:
 - APPROX TO THE START OF CONSTRUCTION, A RECONSTRUCTION MEETING IS REQUIRED A MINIMUM OF 48 HOURS IN ADVANCE OF COMMENCEMENT OF WORK. A REPRESENTATIVE OF THE OWNER OR DEVELOPER, A REPRESENTATIVE OF THE CONTRACTOR, AND DESIGN ENGINEER ARE REQUIRED TO ATTEND. CONTACT THE DISTRICT TO SCHEDULE THE RECONSTRUCTION MEETING. JOE RECONSTRUCTION MEETING CAN BE CONTACTED THROUGH LOCAL MANUFACTURERS. PUBLIC AREAS ARE REQUIRED BY THE DISTRICT.
22. TESTING OF FACILITIES:
 - a) THE CONTRACTOR SHALL NOTIFY THE DISTRICT A MINIMUM OF 48 HOURS AND A MAXIMUM OF 36 HOURS PRIOR TO THE START OF ANY TESTING.
 - b) FINAL TESTING OF WATER LINES ARE TO MEET THE FOLLOWING TESTING REQUIREMENTS:
 - TEST DEEP OF ALL LINES
 - MEET FDS REQUIREMENT TEST TO 200 PSF FOR TWO HOURS (UNLESS OTHERWISE APPROVED ON THE PLANS)
 - c) ALL SANITARY SEWER FACILITIES ARE TO MEET THE FOLLOWING TESTING REQUIREMENTS:
 - ALL LINES SHALL BE LET CLEANED PRIOR TO VACUUM OR PRESSURE TESTING.
 - ALL MANHOLES SHALL BE VACUUM TESTED WITH DISTRICT STAFF PRESENT PRIOR TO CCTV INSPECTION.
 - SEWER MAINS TO BE PRESSURE TESTED PRIOR TO CCTV INSPECTION.
 - ALL LINES SHALL BE CCTV INSPECTED AND VIDEO SHALL BE SUBMITTED TO THE DISTRICT FOR REVIEW AND APPROVAL.
23. PRELIMINARY ACCEPTANCE SHALL BE OBTAINED AS THE FIRST STEP. THE DISTRICT ACCEPTS THE FACILITY FOR USE. ALL SURFACE IMPROVEMENTS AND RESTORATION WITHIN 30 DAYS OF COMMENCEMENT OF SERVICE. THE DISTRICT, AT THEIR DISCRETION, MAY ELECT TO COMPLETE THE IMPROVEMENTS AT THE CONTRACTOR'S COST.
24. FINAL ACCEPTANCE BY THE DISTRICT OF ANY LINE OR SYSTEM SHALL NOT OCCUR UNTIL COMPLETION OF FINAL ASPHALT LAYERS AND/OR FINAL COMPLETION AND/OR RECOMBINATION OF ALL SURFACE IMPROVEMENTS. THE WARRANTY PERIOD FOR ALL FACILITIES PRIOR TO FINAL ACCEPTANCE SHALL BE 36 MONTHS COMMENCING AFTER PRELIMINARY ACCEPTANCE.

WATER SYSTEM INSTALLATION NOTES

30. ALL WATER AND FORCE MAIN PIPE SHALL BE 4000 CFS PVC, OR APPROVED EQUAL, PRESSURE CLASS 150. ALL WATER AND FORCE MAIN FITTINGS SHALL HAVE MECHANICAL RESTRAINTS AND THROST BLOSSOM. ALL WATER AND FORCE MAIN PIPE SHALL HAVE A MINIMUM COVER DEPTH OF FIVE AND ONE-HALF (5.5) FEET.
31. ALL WATER VALVES ASSOCIATED WITH THE POTABLE WATER SYSTEM SHALL BE SPHEN CLOSURES. ALL VALVES INSTALLED IN LANDSCAPED AREAS AND/OR NOT WITHIN PAVED STREETS SHALL BE APPROVED WITH CORROSION RESISTANT VALVE END CONNECTIONS WITH THE TAP WATER SYSTEM SHALL BE OPEN COUNTERFLOW AND APPROVED WITH CORROSION RESISTANT AS APPLICABLE.
32. THE DEVELOPER OR HIS ENGINEER SHALL LOCATE ALL FIRE HYDRANTS AND SERVICE SUB-STATS FOR FUTURE DEVELOPMENT. ANY REQUIRED RELOCATION, HORIZONTAL OR VERTICAL, SHALL BE THE RESPONSIBILITY OF THE DEVELOPER. FIRE HYDRANT LOCATIONS SHALL BE REVIEWED AND APPROVED BY THE APPLICABLE FIRE AUTHORITY.
33. FIRE HYDRANTS SHALL BE OPEN WITH BOTH TAPS TO BE SQUARE THROTTLED ALONG WITH SERVICE TAPS. INSTALLATION TYPE: GREASE. GREASE BRAND IS HONEYWELL GARDEN STATE, 40# 4" AND 10# 1.5" EACH. EACH FIRE HYDRANT LOCATION SHALL BE USED TO TEST 5/15/24.
34. ALL WATER LINES (PVC & DUCTILE IRON) SHALL BE INSTALLED WITH GRADED #2 TRACER WIRE WITH LATERATION AT INTERVALS NO GREATER THAN 100 FEET HUNDRED FEET (EXCEPT VALVE BOXES CAN BE USED AT INTERSECTIONS AND SERVICE STATIONS).
35. CONTRACTOR SHALL MAKE CONNECTIONS TO EXISTING WATER LINE WITHOUT SHUTDOWN, OR ELSE NOTIFY THE DISTRICT OF ANY SERVICE SHUTDOWNS NECESSARY TO CONNECT TO EXISTING LINES.
36. IRRIGATION SERVICES SHALL HAVE A STOP-AND-WAIT CURB STOP INSTALLED ALONG WITH TRACER WIRE EXTENDING BACK TO THE MAIN LINE.

40. COMMENCEMENT OF USE OF WATER LINES AND/OR SYSTEMS:
 - WMD WATER FACILITY SHALL BE PLACED IN SERVICE UNTIL AFTER THE COMPLETION OF ALL PRESSURE TESTING, FLUORING, BACK-FILLING, AND COMPACTION TESTING, AND AS-BUILT DRAWINGS ARE SUBMITTED AND APPROVED BY THE DISTRICT.
 - WMD WATER FACILITY SHALL BE PLACED IN SERVICE UNTIL ALL SERVICE LINES ARE COMPLETED AND THE FIRST LIFT OF ASPHALT IS COMPLETED OVER THE LINE. IN THE CASE WHERE NO ASPHALT IS TO BE PLACED OVER THE LINE, SURFACE IMPROVEMENTS SHALL BE COMPLETED PRIOR TO THE USE OF THE FACILITY.
41. ALL EXHIBITS (PLATED OR SECEDED) ARE DETACHED, EXECUTED BY THE DISTRICT AND RECORDED.

SEWER/SEWER SYSTEMS INSTALLATION NOTES

42. SANITARY SEWER LINES AND/OR SEWER:
 - ALL SANITARY SEWER PIPE SHALL BE 300 CFS PVC OR APPROVED EQUAL. SEWER LINES MAY NOT EXCEED 18" GRADE FOR ANY SIZE UNLESS PRIOR APPROVAL OF THE DISTRICT. ALL SANITARY CONSTRUCTED RESISTANT SANITARY SEWER SHALL USE PRE-MANUFACTURED, BLUE PVC, PUSH-IN WELLS TAPPING. SOCIETY OF THE CITY OF COLORADO SPRINGS.
 - ALL SANITARY SEWER MANHOLES SHALL BE MARKED WITH RUSH-N-BURR JOINT MARK, OR APPROVED EQUAL, AND COATED.
43. COMMENCEMENT OF USE OF SEWER LINES AND/OR SYSTEMS:
 - WMD SANITARY SEWER FACILITY SHALL BE PLACED IN SERVICE UNTIL THE COMPLETION OF ALL JET CLEANING, PRESSURE TESTING, VACUUM TESTING, CCTV INSPECTION, AND COMPACTION TESTING, AND AS-BUILT DRAWINGS ARE SUBMITTED AND APPROVED BY THE DISTRICT.
 - WMD SANITARY SEWER FACILITY SHALL BE PLACED IN SERVICE UNTIL ALL SERVICE LINES ARE COMPLETED AND THE FIRST LIFT OF ASPHALT IS COMPLETED OVER THE LINE. IN THE CASE WHERE NO ASPHALT IS TO BE PLACED OVER THE LINE, SURFACE IMPROVEMENTS SHALL BE COMPLETED PRIOR TO THE USE OF THE FACILITY.
44. ALL NECESSARY EXHIBITS (PLATED OR SECEDED) ARE DETACHED, EXECUTED BY THE DISTRICT AND RECORDED.

DOWNSTREAM PLUG CAN BE REMOVED ONCE THE FIRST LIFT OF ASPHALT IS DOWN AND THE ABOVE REQUIREMENTS ARE MET. THE ABOVE GUIDELINES ARE SUBJECT TO CHANGE AT ANY TIME.

FIRE AUTHORITY APPROVAL

THE NUMBER OF FIRE HYDRANTS AND HYDRANT LOCATIONS SHOWN ON THIS WATER INSTALLATION PLAN AND EXHIBIT ARE SUBJECT TO THE FIRE PROTECTION REQUIREMENTS AS PROVIDED BY THE FIRE DISTRICT SERVING THE PROPERTY NOTED ON THE PLANS.

FIRE PROTECTION DISTRICT: _____
 SIGNED: _____ DATE: _____
 FIRE PROTECTION DISTRICT

WATER AND SEWER MAIN EXTENSIONS

ANY CHANGES OR ALTERATIONS AFFECTING THE GRADE, ALIGNMENT, ELEVATION, AND/OR DEPTH OF COVER OF ANY WATER OR SEWER MAIN SHALL BE THE RESPONSIBILITY OF THE OWNER OR DEVELOPER. THE RESPONSIBILITY OF THE OWNER OR DEVELOPER FOR THE DESIGN OF ANY MAIN EXTENSIONS SHALL BE THE RESPONSIBILITY OF THE OWNER OR DEVELOPER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DATE OF APPROVAL UNTIL THE EXTENSION IS COMPLETED FOR WORK AS SHOWN ON THE PLANS.

SIGNED: _____ DATE: _____
Lou Fletcher
 PRINT NAME: _____
 DISTRICT 49
 ADDRESS: _____

WOODMEN HILLS METROPOLITAN DISTRICT APPROVAL

THE WOODMEN HILLS METROPOLITAN DISTRICT RECOGNIZES THE DESIGN ENGINEER AS HAVING RESPONSIBILITY FOR THE DESIGN AND HAS LIMITED TO SCOPE OF REVIEW ACKNOWLEDGEMENT.

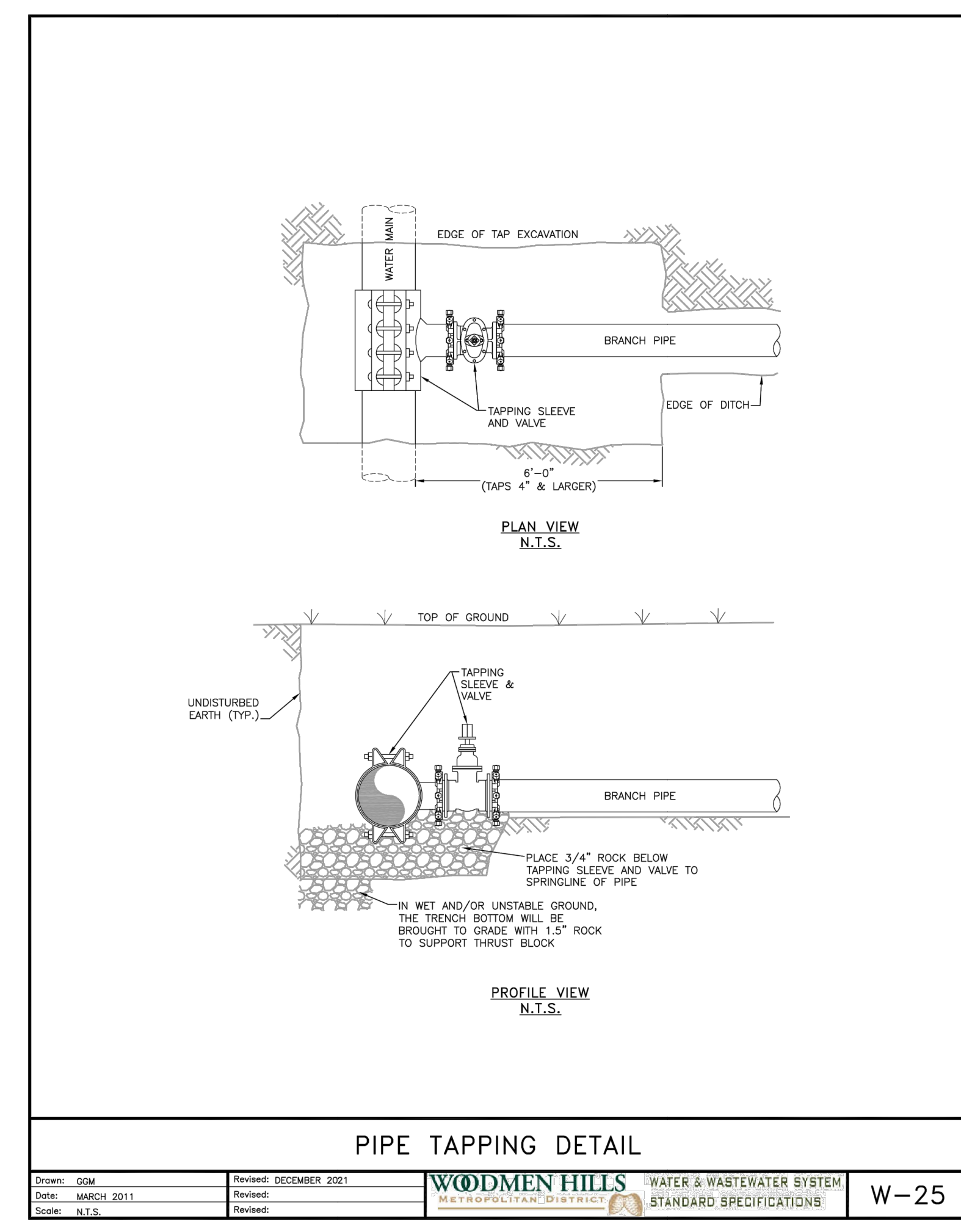
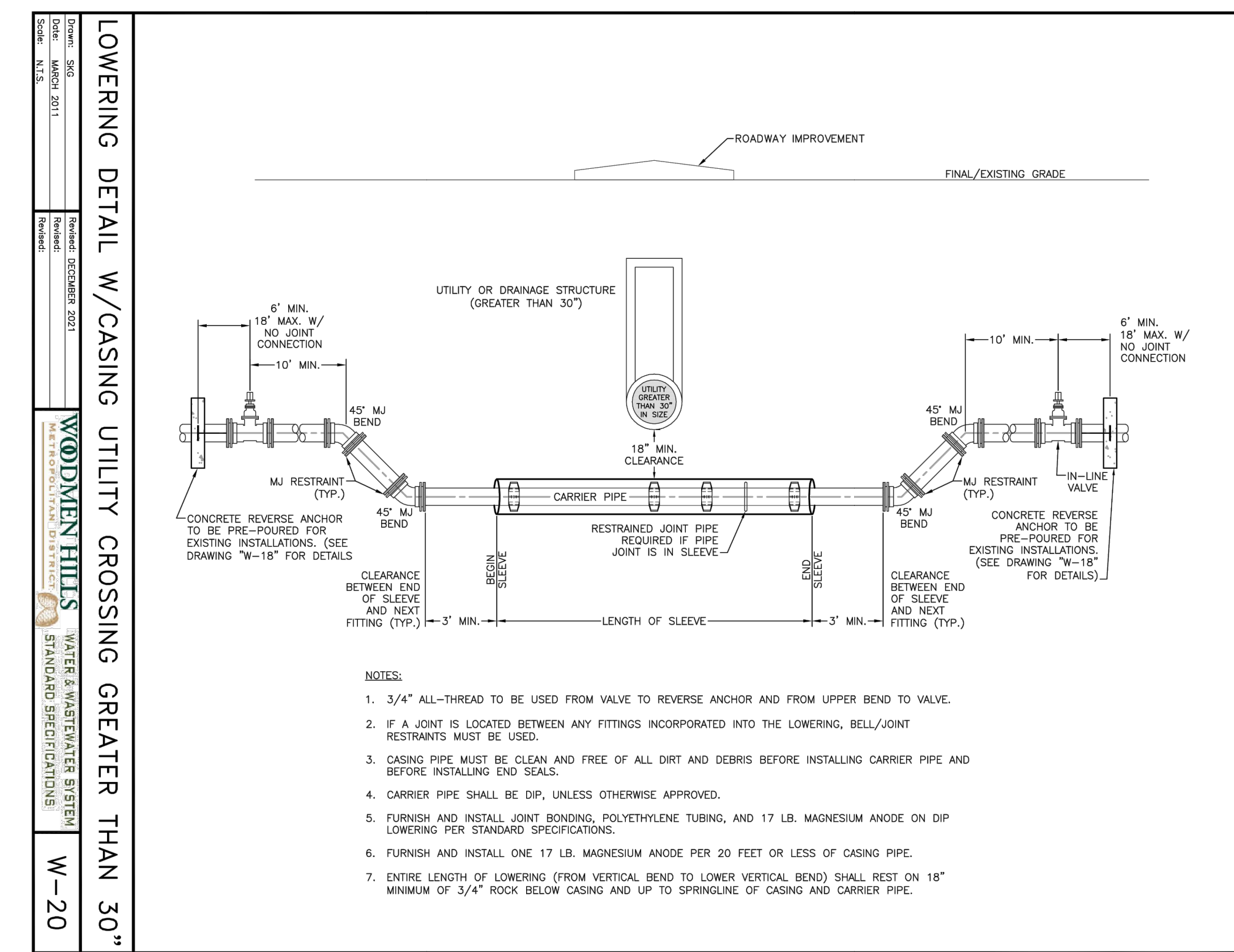
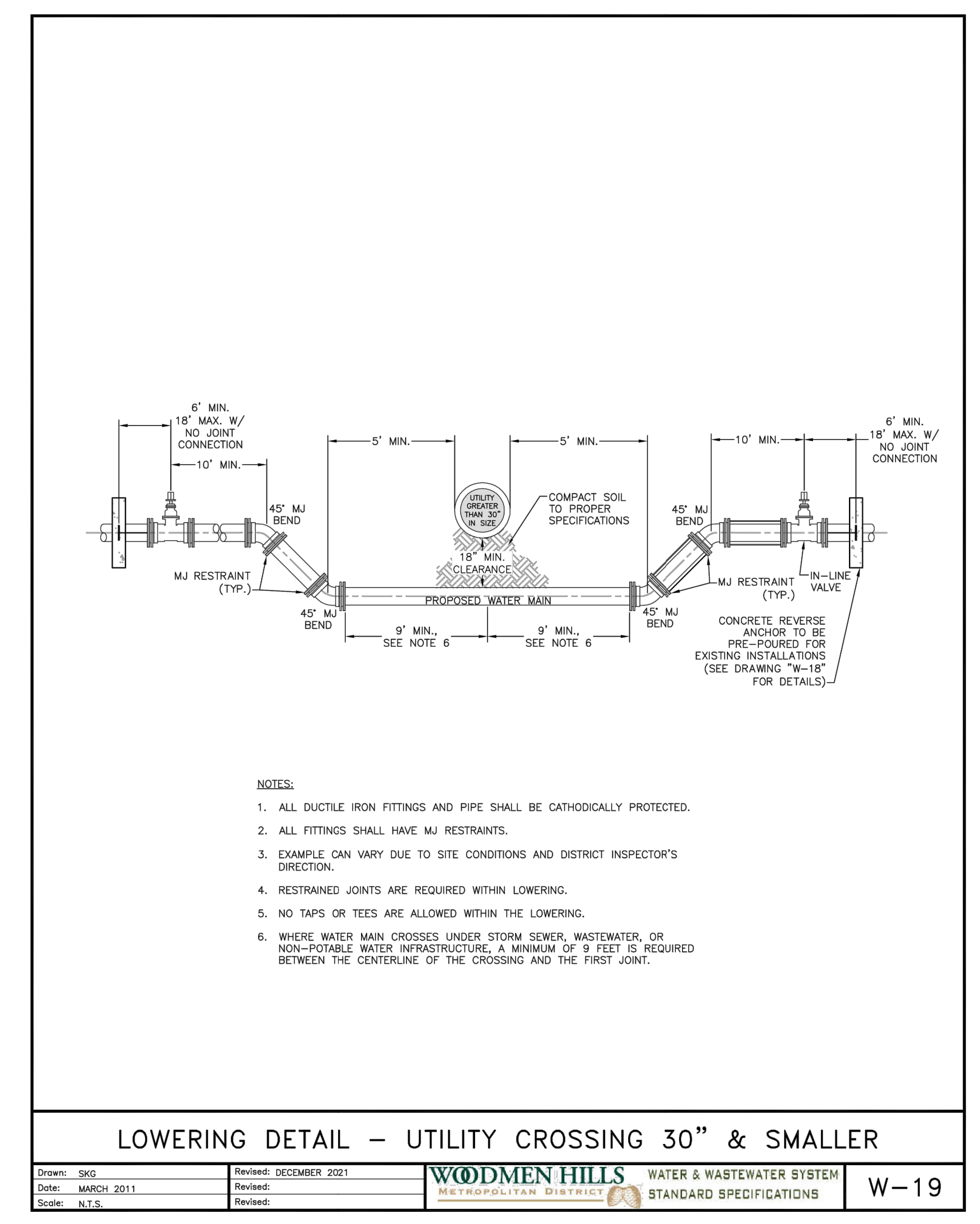
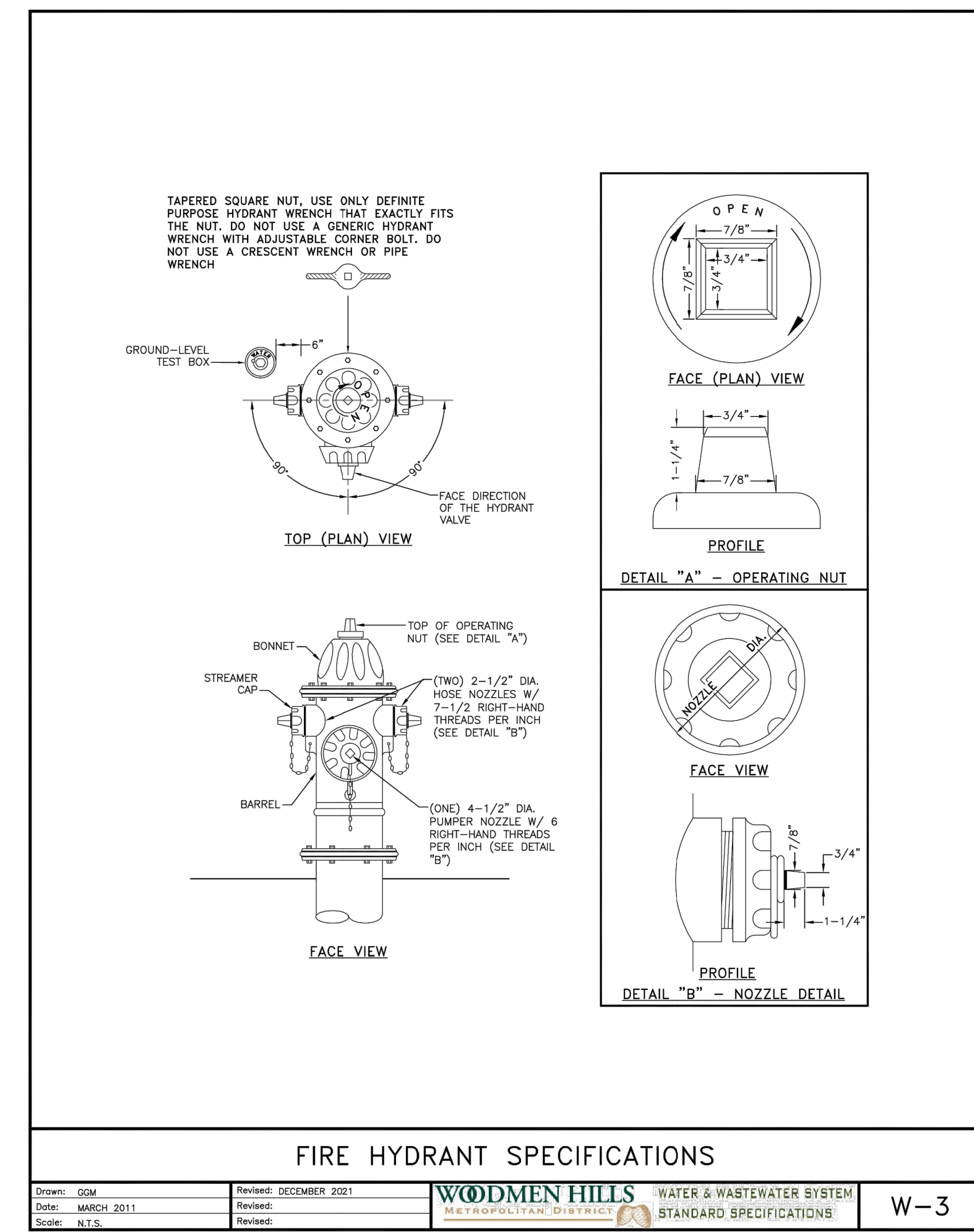
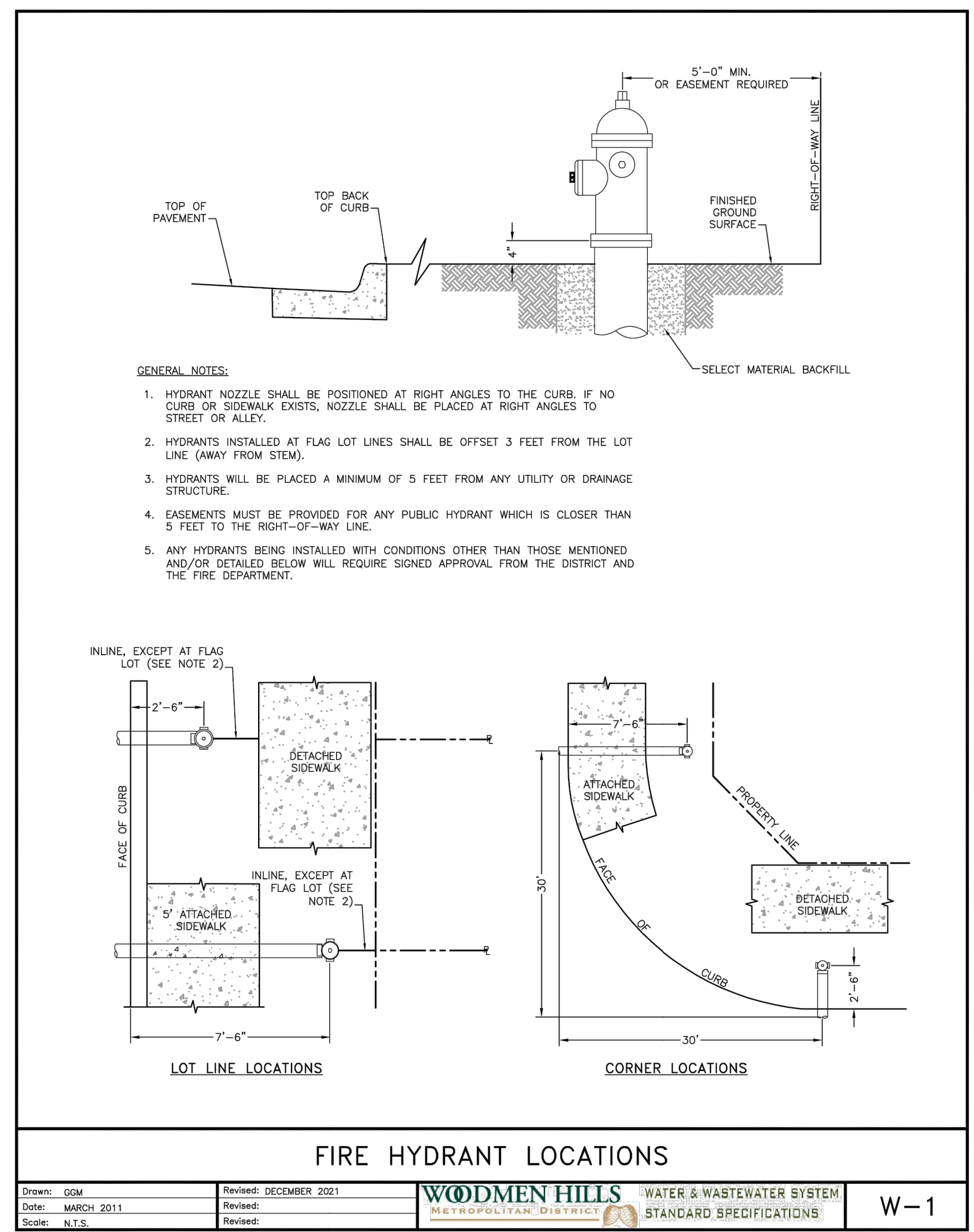
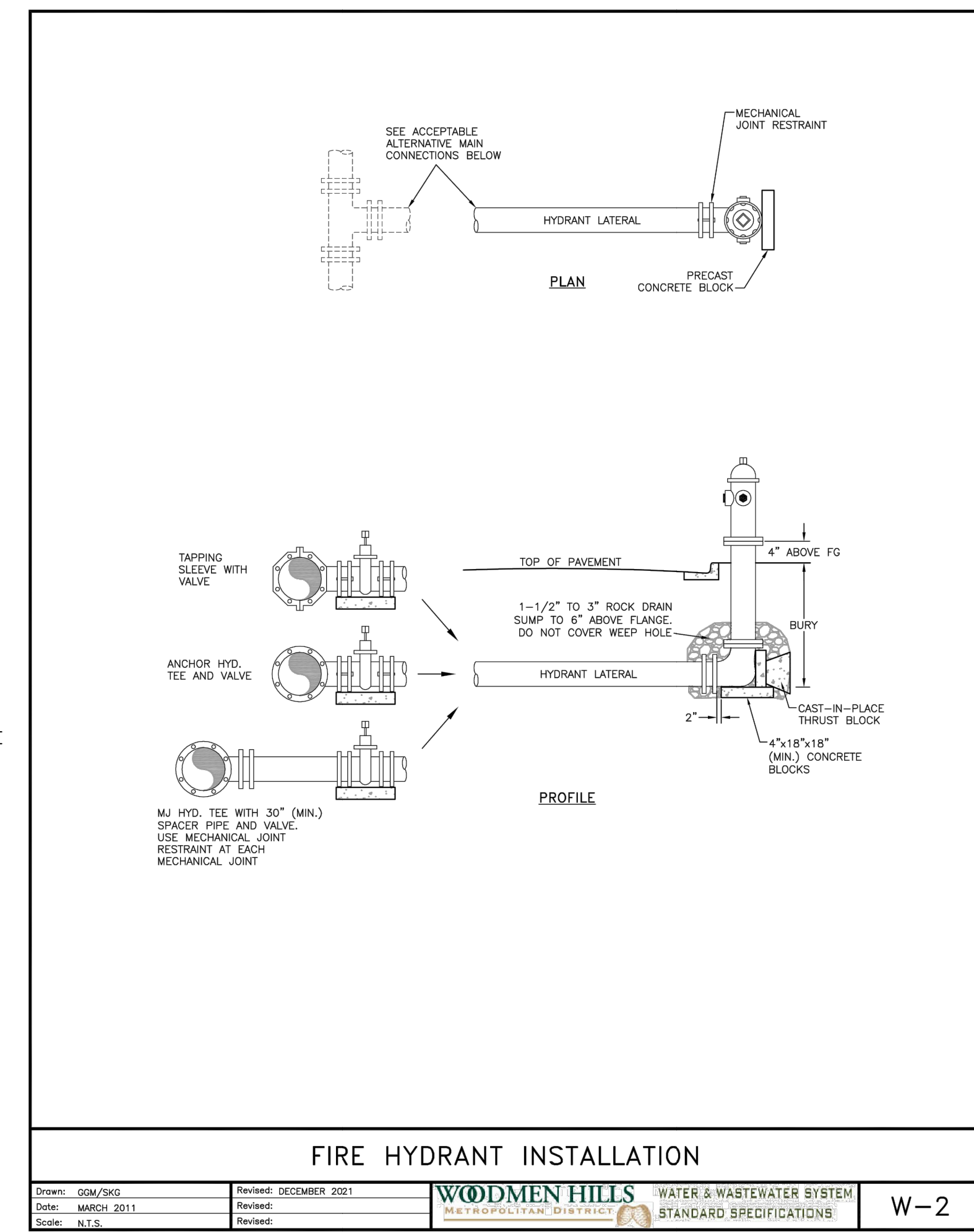
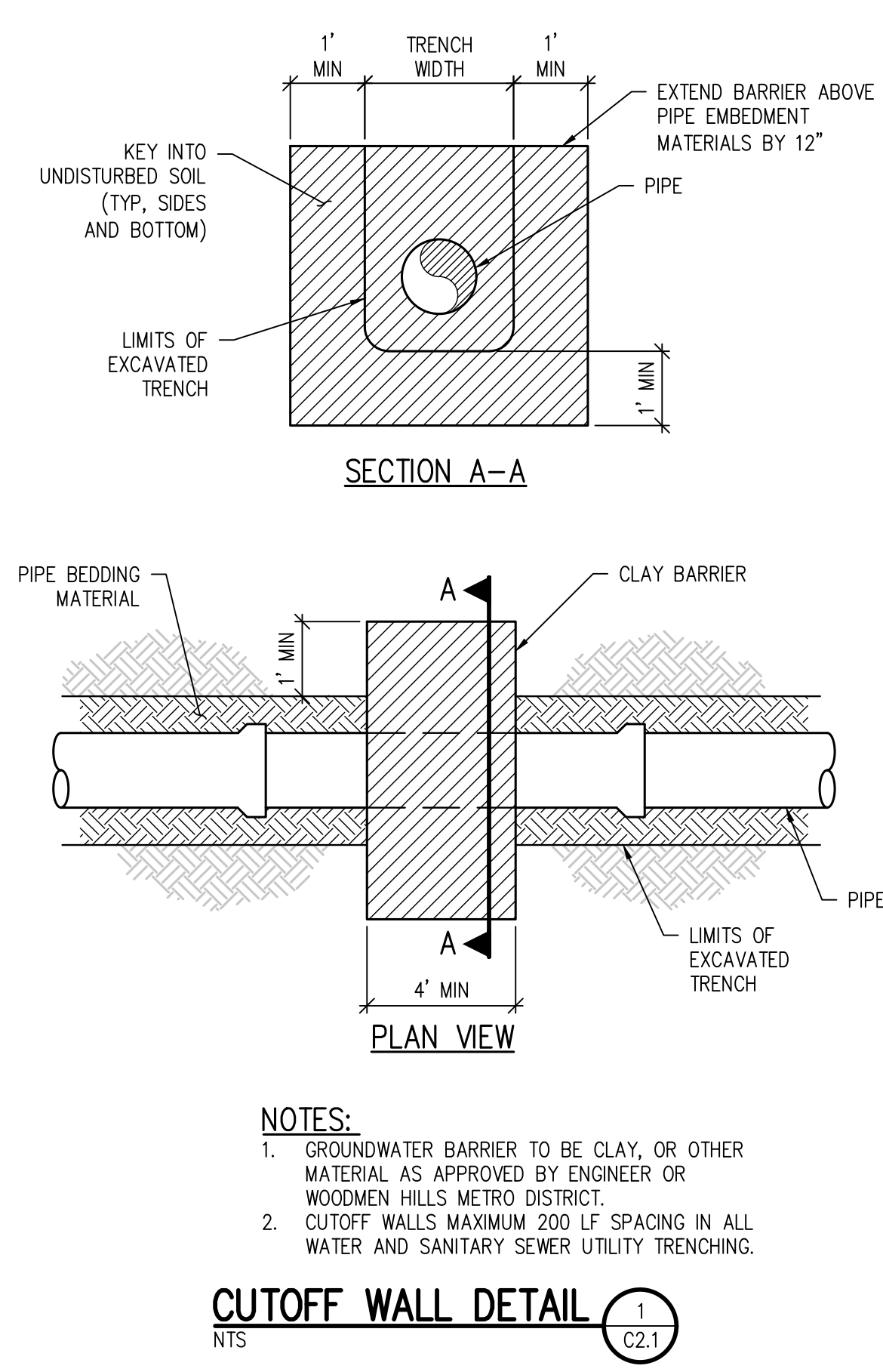
WOODMEN HILLS METROPOLITAN DISTRICT DESIGN REVIEW APPROVAL
 DATE: 2-1-2023 BY: Andy Rottler
 PROJECT NO: _____
 IN CASE OF ERRORS OR OMISSIONS WITH THE WATER DESIGN AS SHOWN ON THIS DOCUMENT, THE STANDARDS AS SET FORTH IN THE RULES AND REGULATIONS FOR REGULATION OF WATER MAINS AND SERVICES SHALL APPLY.
 APPROVAL EXPIRES 180 DAYS FROM DESIGN APPROVAL.

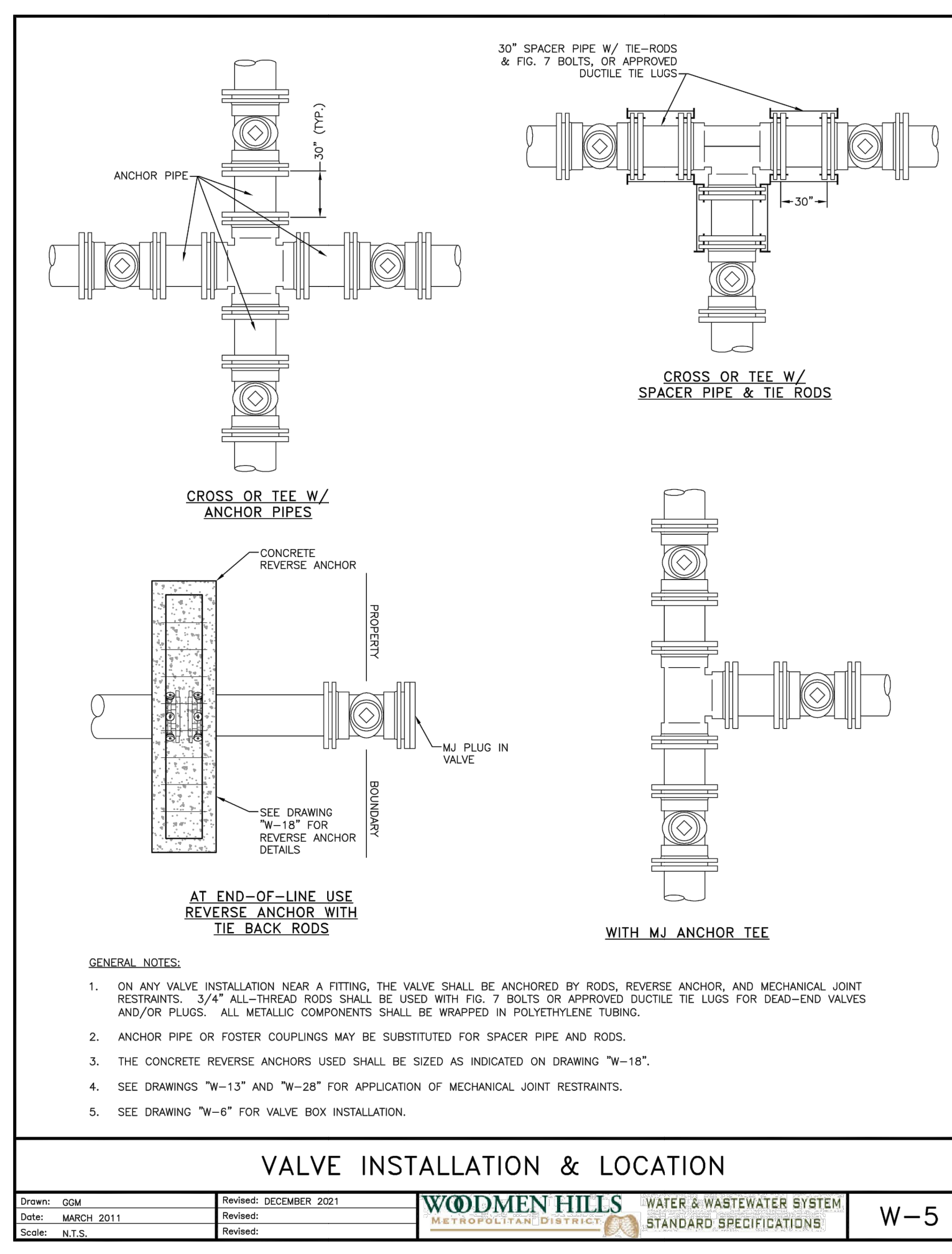
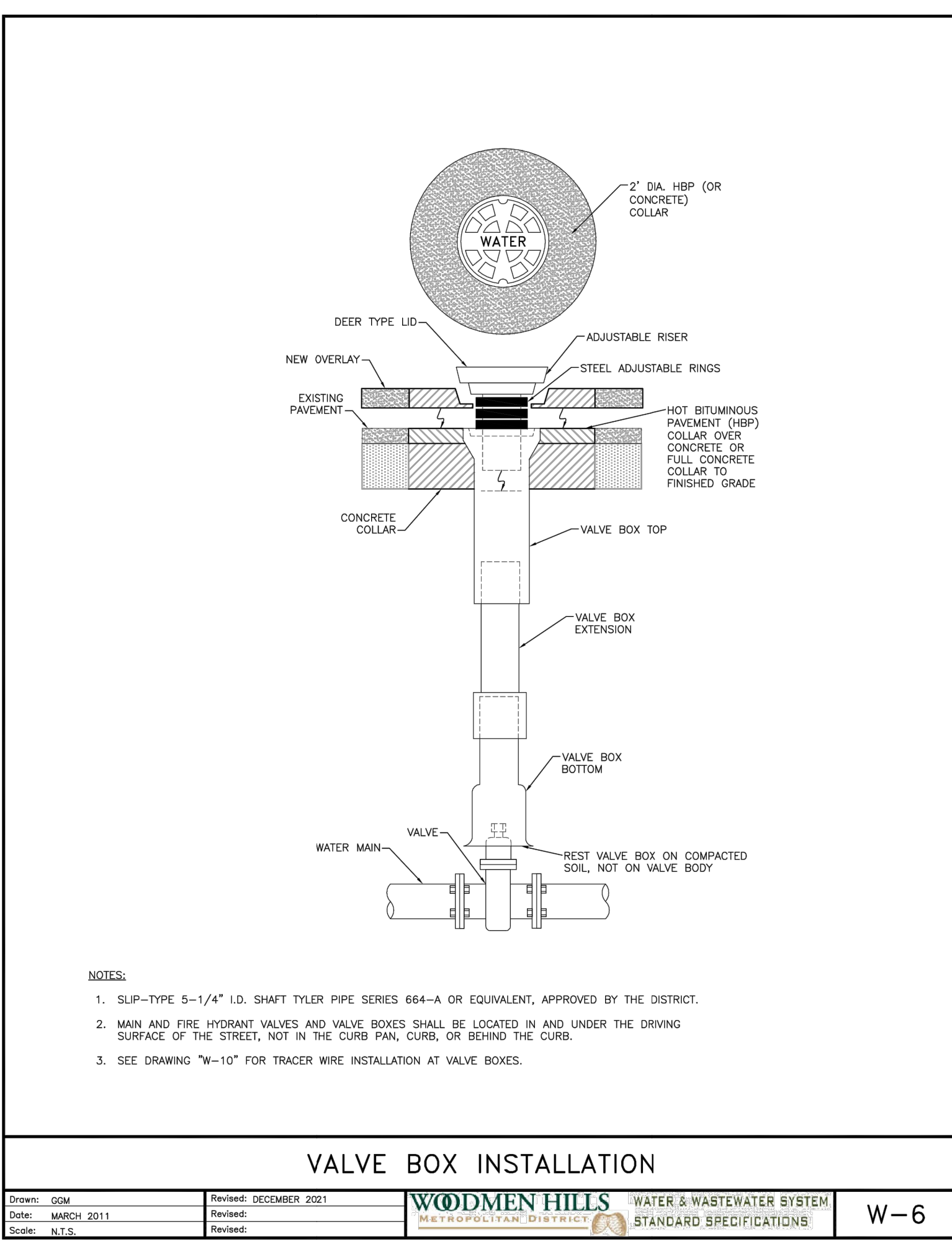
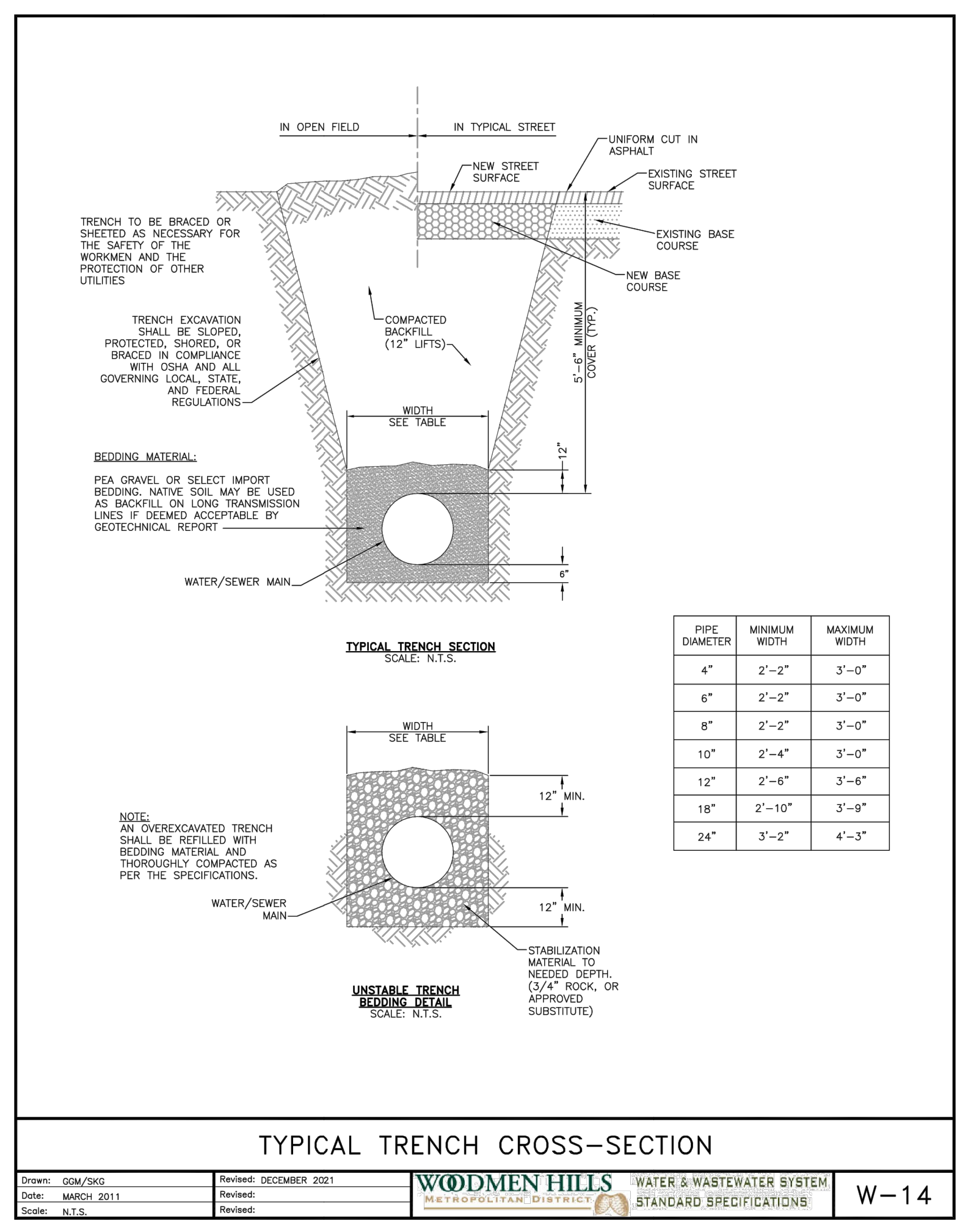
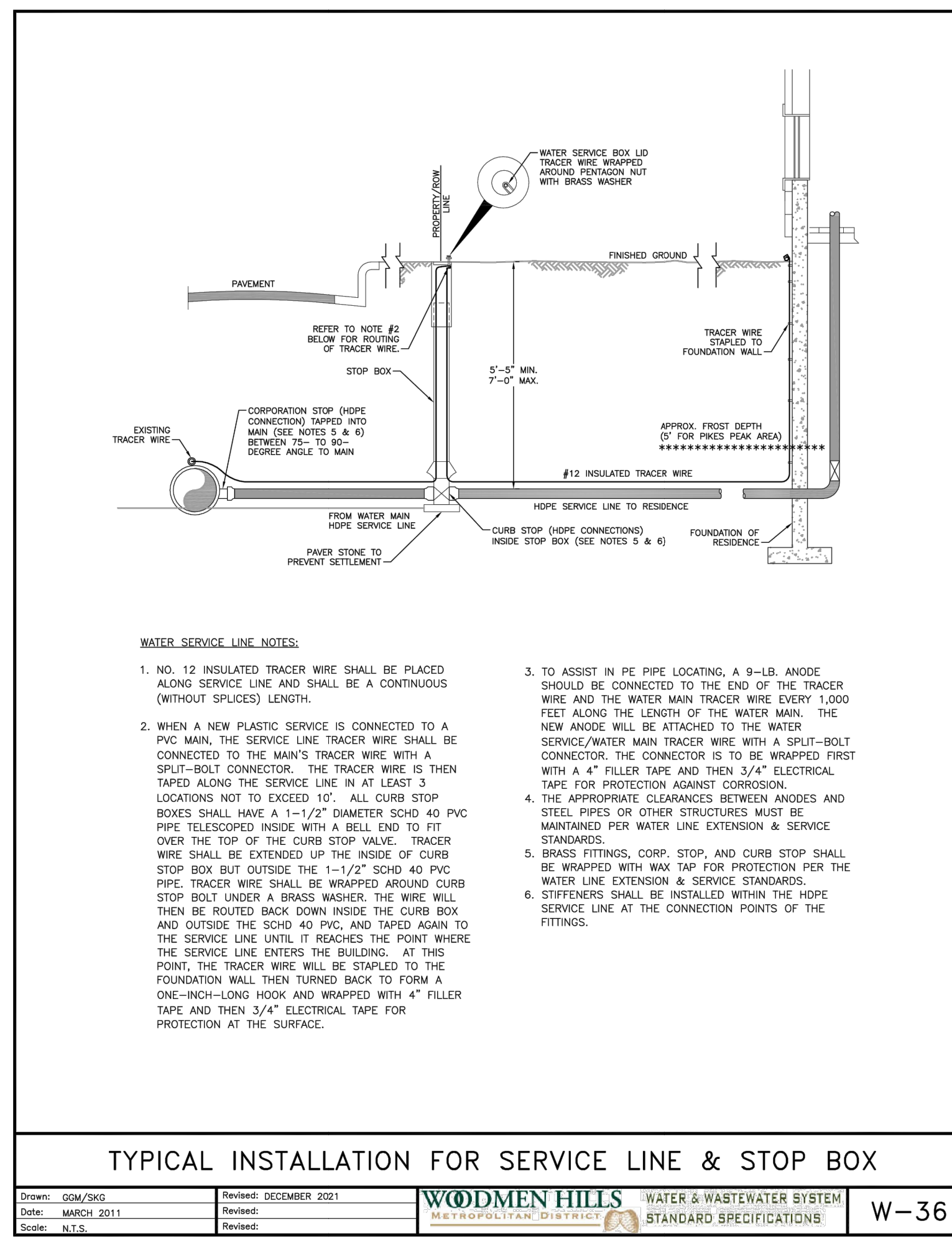
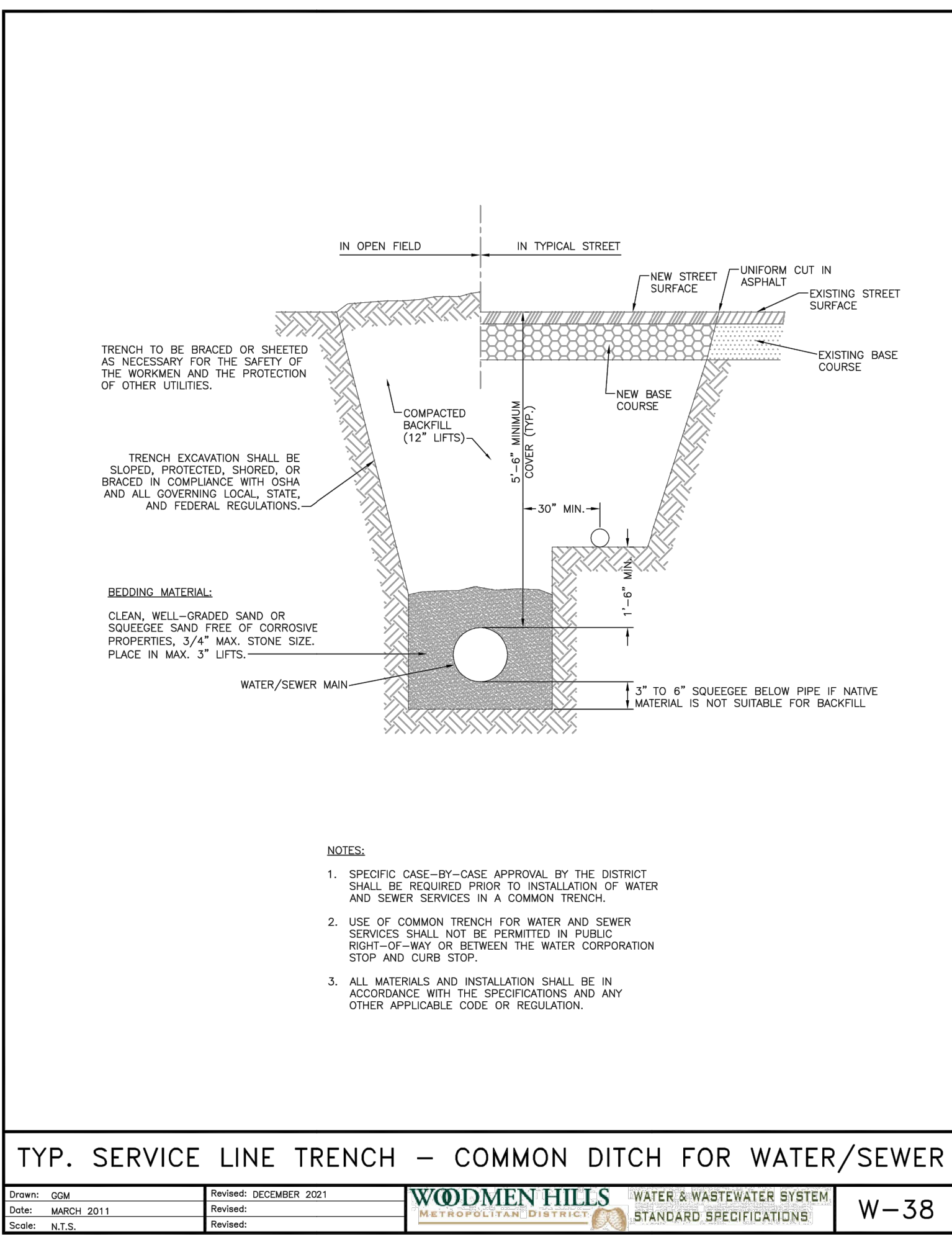
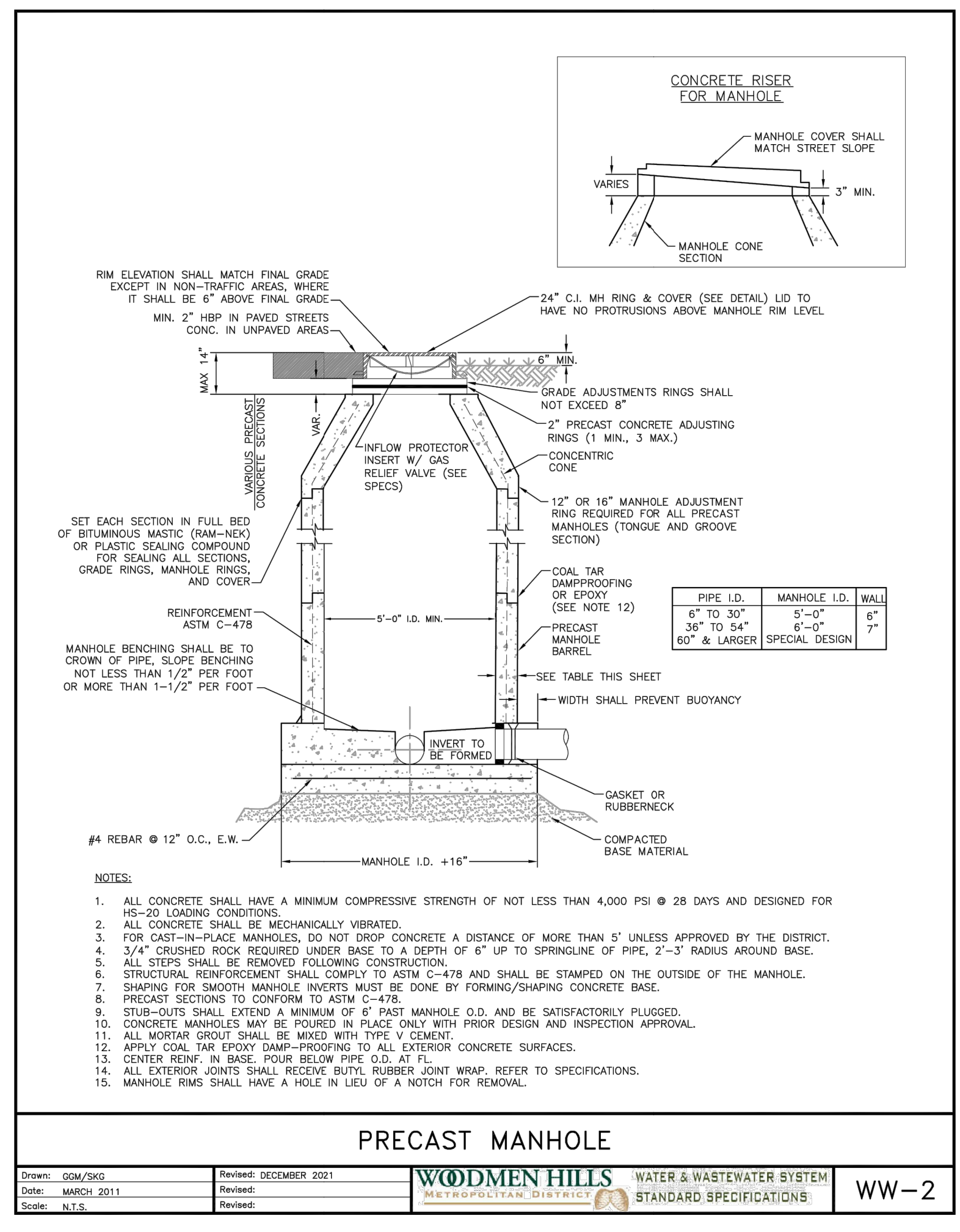
D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
 11971 SWINGLINE ROAD
 PEVTON, CO 80837

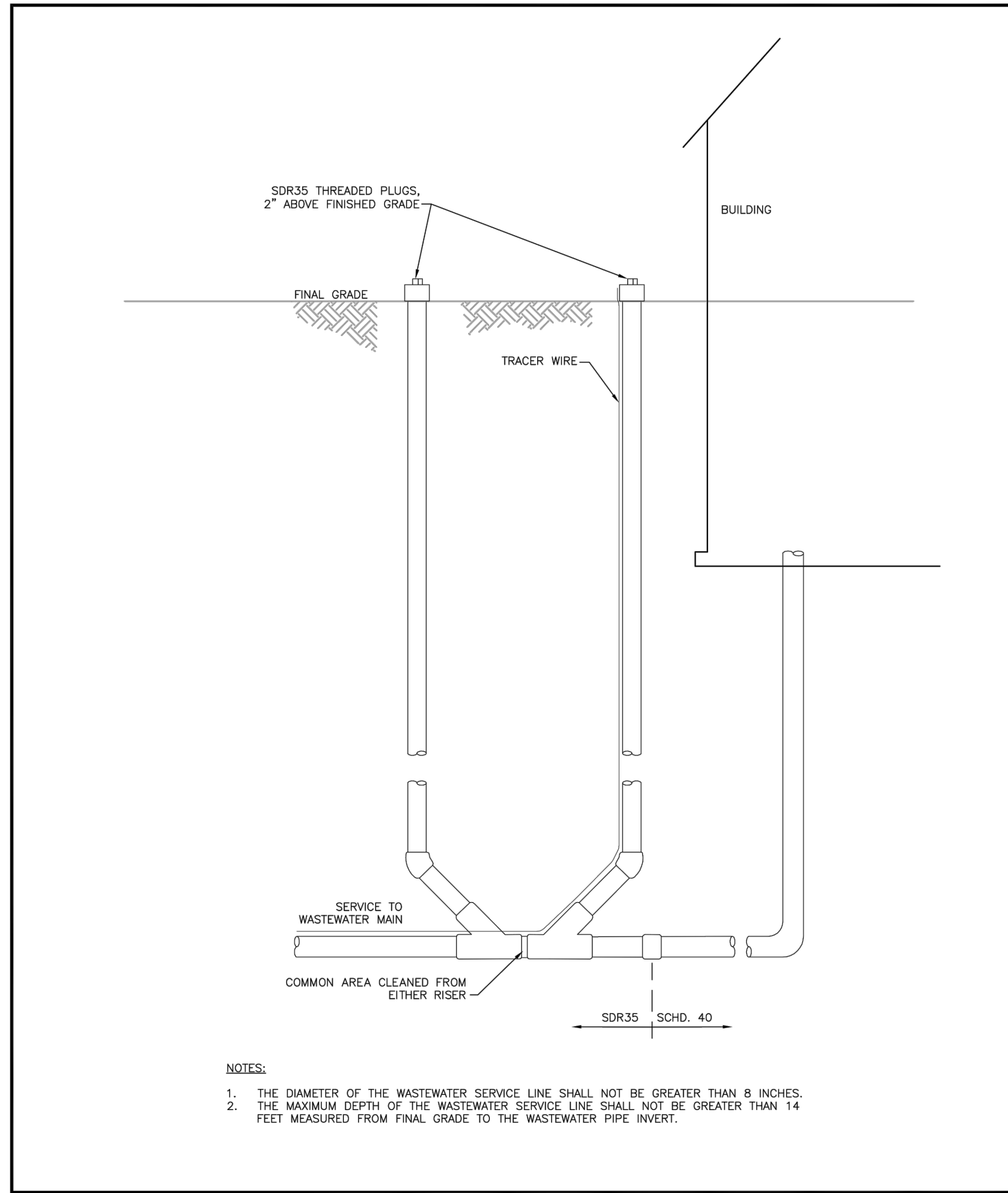
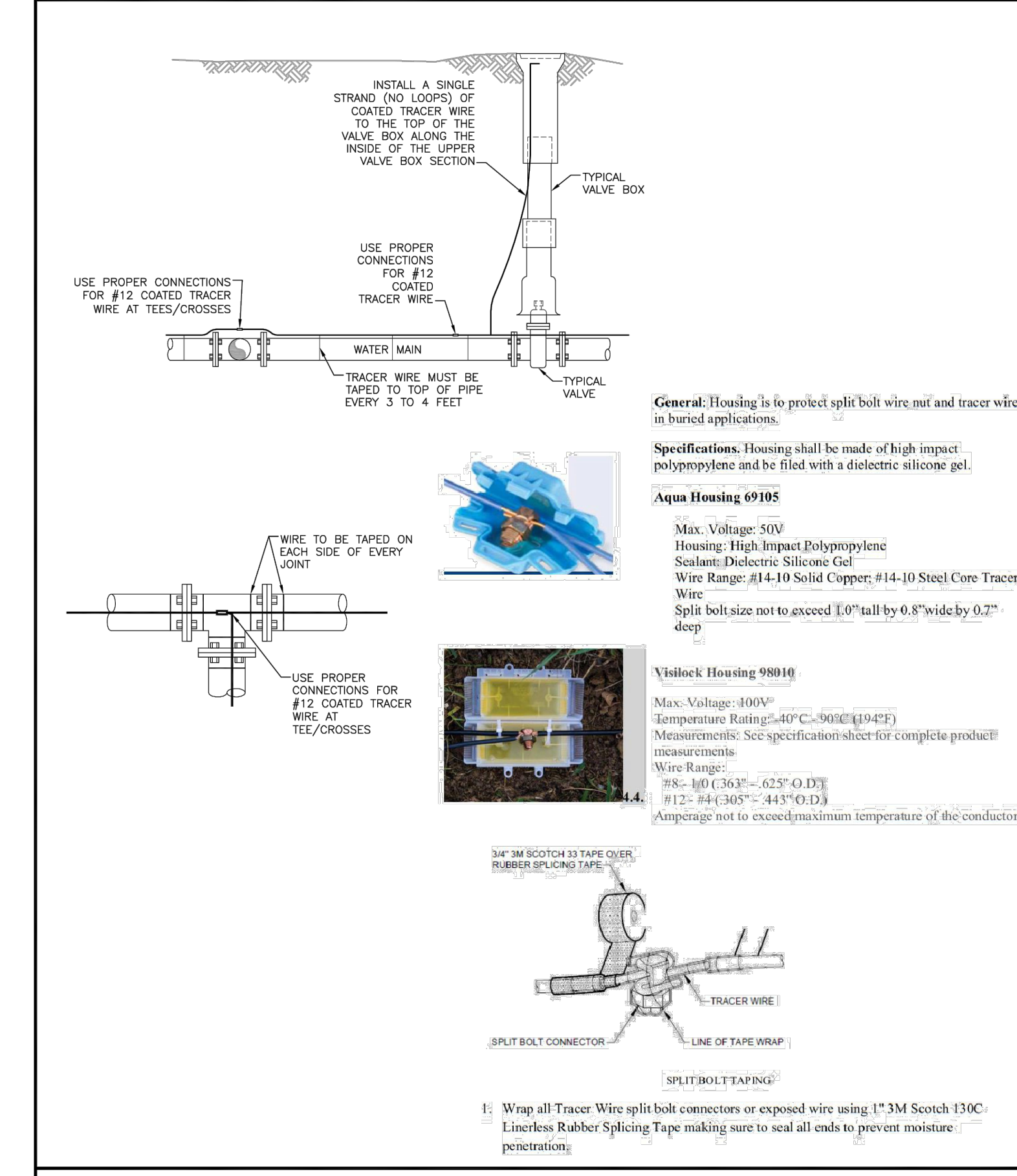
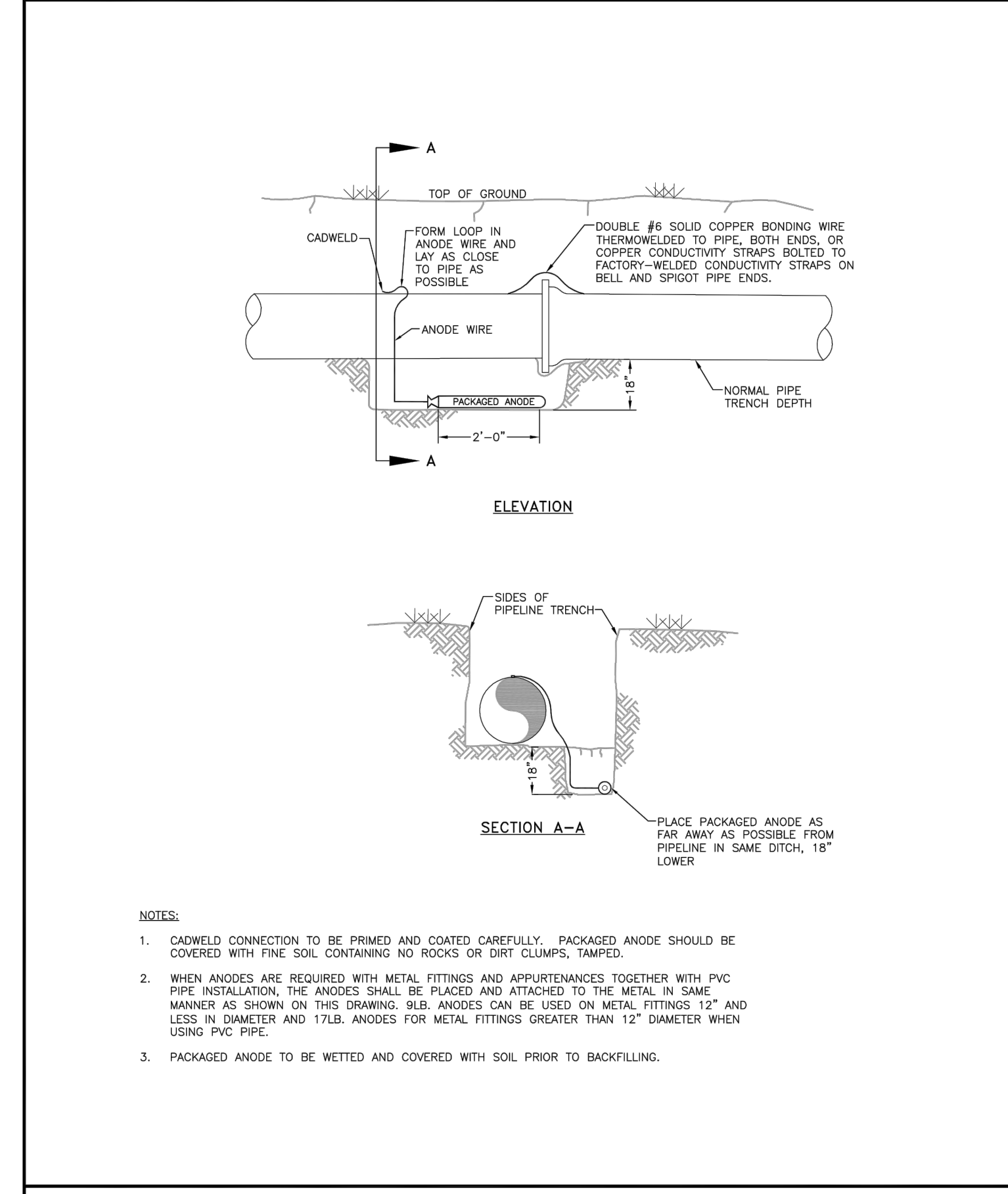
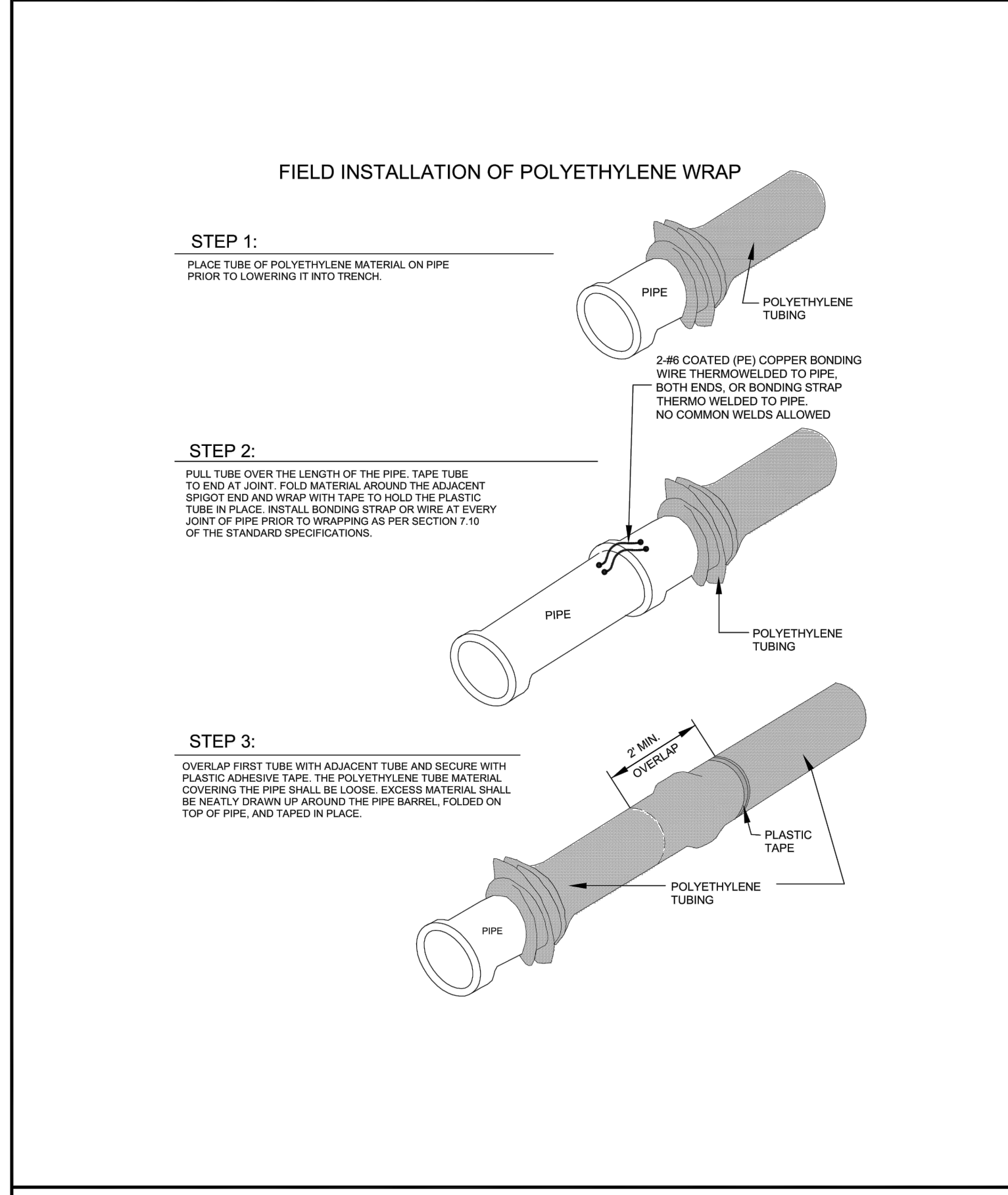


WMD
GENERAL NOTES

2021-041.00
 01/25/2023





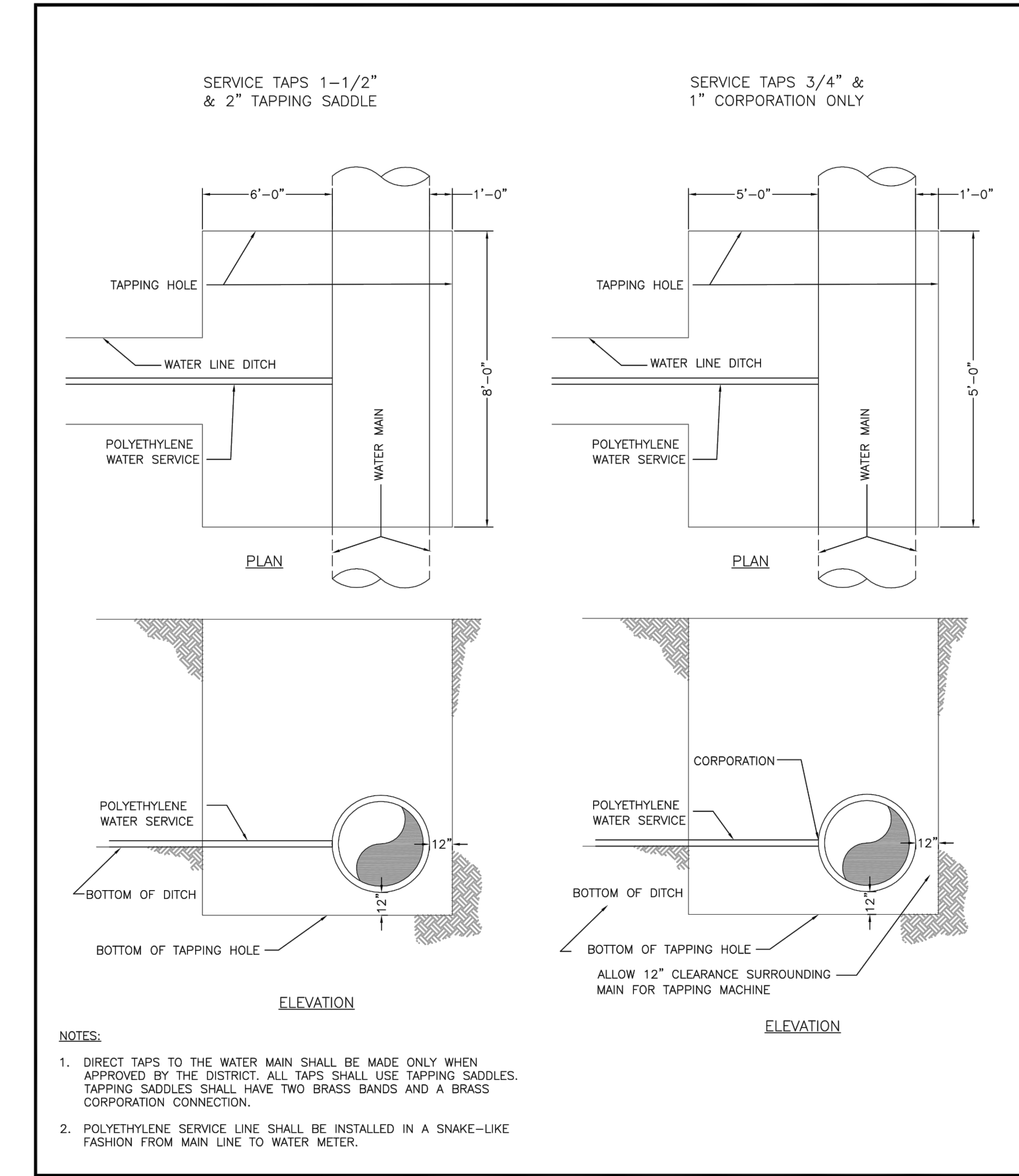


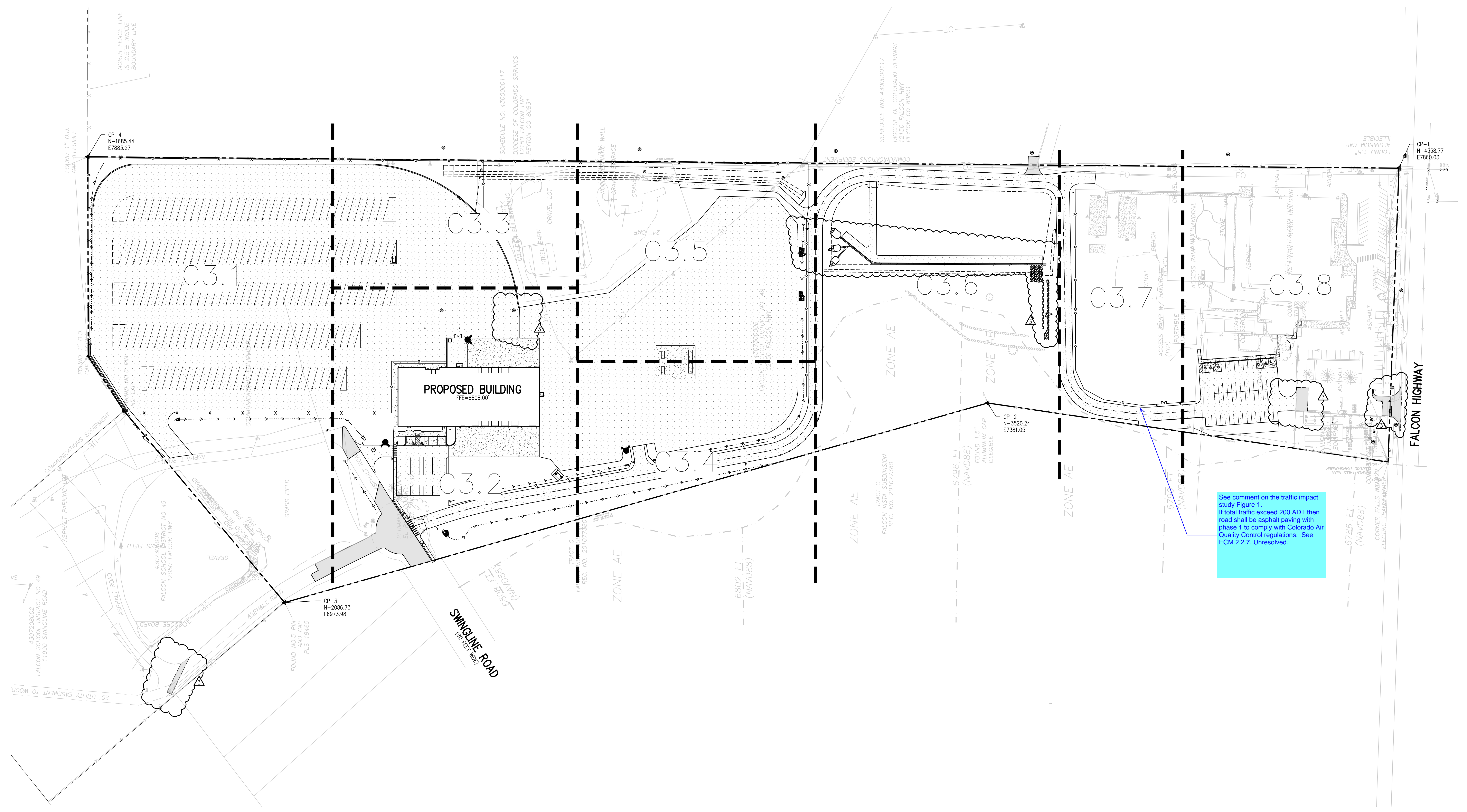
RESTRAINED PIPE LENGTH (FT) W/ MECHANICAL JOINT RESTRAINTS

PIPE DIAMETER	L = MINIMUM RESTRAINED PIPE LENGTH						DEAD-END VALVE OR PLUG, TO INCLUDE VALVE VALVES (SEE NOTE 7)
	45° BEND		22-1/2° BEND		11-1/4° BEND		
MAX. STATIC PRESSURE (PSI)	<100	100-150	150-200	<100	100-150	150-200	<100
6-INCH DUCTILE IRON AND PVC	6	9	12	3	5	6	2
8-INCH DUCTILE IRON AND PVC	8	12	16	4	6	8	3
12-INCH DUCTILE IRON AND PVC	12	17	23	6	8	11	4
18-INCH DUCTILE IRON AND PVC	15	22	29	7	11	14	5
20-INCH DUCTILE IRON AND PVC	18	26	35	9	13	17	6
24-INCH DUCTILE IRON AND PVC	20	30	40	10	15	20	7
30-INCH DUCTILE IRON AND PVC	24	36	48	12	18	24	8
36-INCH DUCTILE IRON AND PVC	28	42	56	14	20	27	10

RESTRAINED PIPE LENGTH (FT) W/ MECHANICAL JOINT RESTRAINTS

Drawn: SKG	Revised: DECEMBER 2021	WOODMEN HILLS METROPOLITAN DISTRICT	WATER & WASTEWATER SYSTEM STANDARD SPECIFICATIONS	W-13
Date: MARCH 2011	Revised:			
Scale: N.T.S.				





See comment on the traffic impact study Figure 1. If total traffic exceed 200 ADT then road shall be asphalt paving with phase 1 to comply with Colorado Air Quality Control regulations. See ECM 2.2.7. Unresolved.

- HORIZONTAL CONTROL NOTES:**
1. ALL DIMENSIONS AND RADII ARE TO FACE OF CURB, FACE OF BUILDING AND EDGE OF WALK UNLESS OTHERWISE NOTED.
 2. CONTRACTOR TO REPAIR/REPLACE ALL DAMAGE TO EXISTING FLATWORK OR SITE FEATURES NOT INTENDED FOR DEMOLITION.
 3. REFER TO GRADING AND DRAINAGE PLAN FOR FURTHER INFORMATION PERTAINING TO CURB & GUTTER, CHASES, AND DRAINAGE PANS.

D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831



SHEET TITLE
OVERALL HORIZONTAL CONTROL PLAN

WTA PROJECT NUMBER
2021-041.00
DATE
01/25/2023

SCALE IN FEET
0 80 160

APPROVED BY: **CWK/HCM**
DRAWN BY: **TWK/AMB**
CHECKED BY: **CWK**

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D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831



SHEET TITLE
HORIZONTAL CONTROL PLAN A

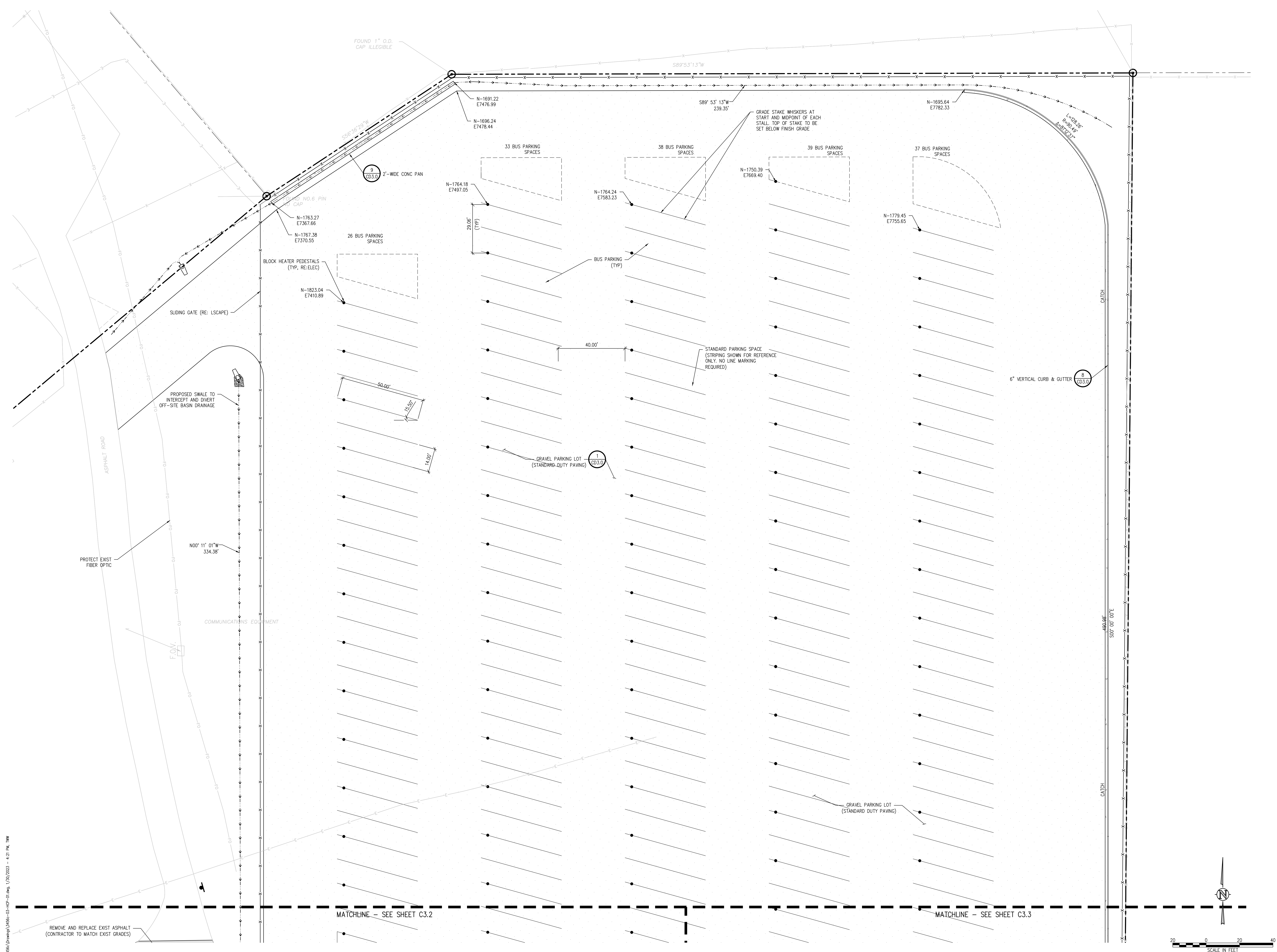
WTA PROJECT NUMBER
2021-041.00
DATE
01/25/2023

#	DATE	DESCRIPTION

DESIGNED BY: **CWK/HCM**
CHECKED BY: **TWW/AMB**
DATE: **CWK**

ISSUED FOR
CONSTRUCTION DOCUMENTS

C3.1



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D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831



SHEET TITLE
HORIZONTAL CONTROL PLAN B

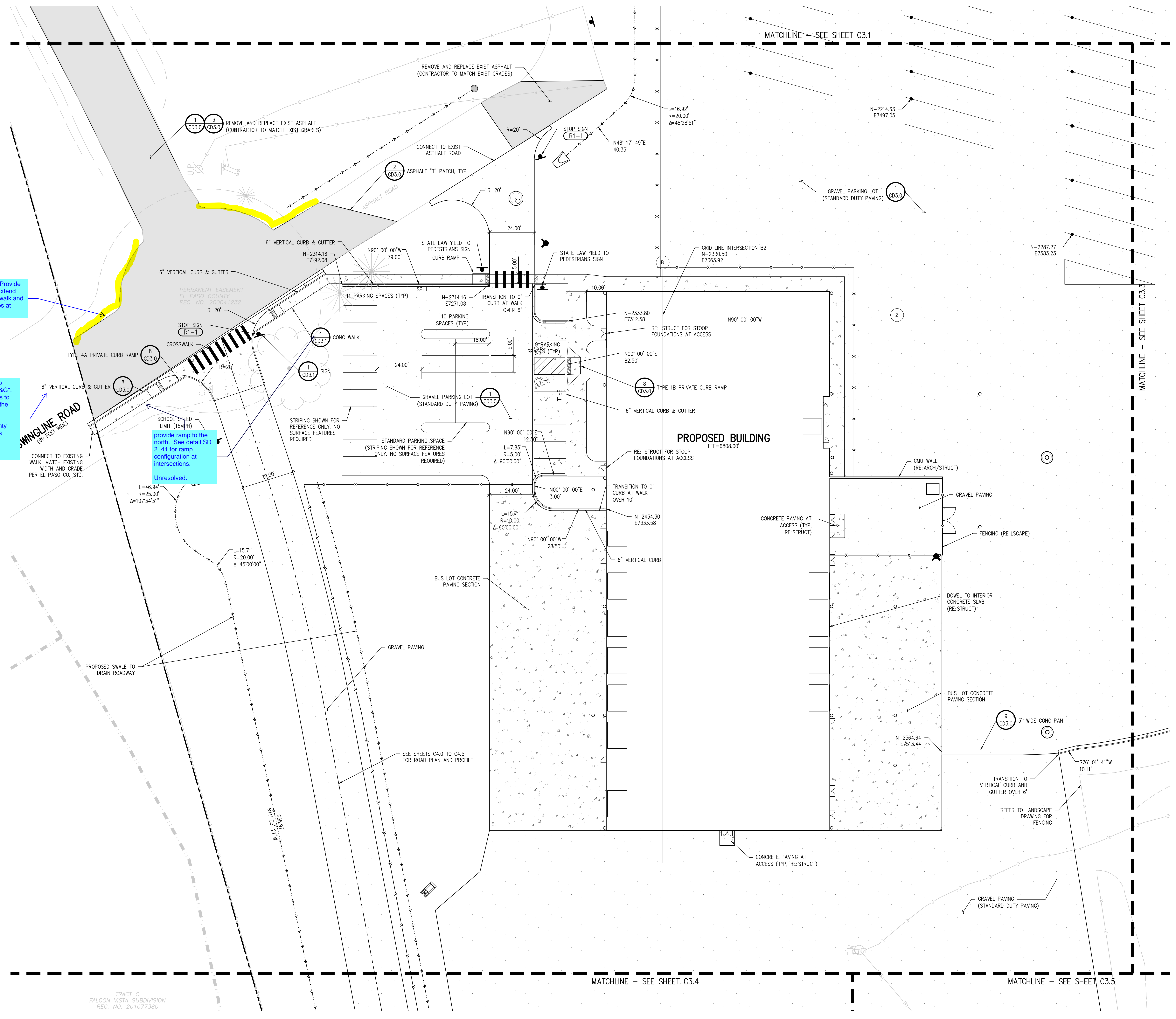
WTA PROJECT NUMBER
2021-041.00
DATE
01/25/2023

REVISIONS	DATE	DESCRIPTION
1		

DESIGNED BY
CWK/HCM
DRAWN BY
TW/AHB
CHECKED BY
CWK

ISSUED FOR
CONSTRUCTION DOCUMENTS

C3.2



Unresolved. Provide sidewalk to extend existing sidewalk and provide ramps at crossing.

update callout to "EPC Type A C&G". This only applies to the C&G within the public ROW.

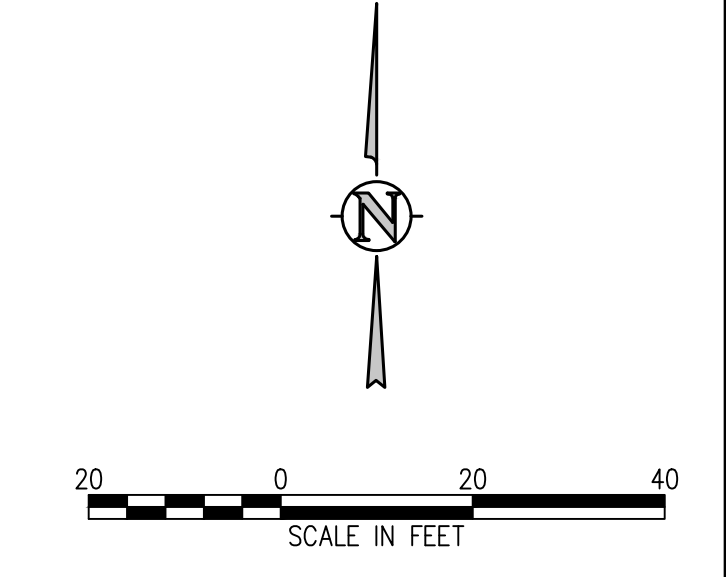
Include the county detail in the CDs (Detail SD_-20)

Unresolved.

provide ramp to the north. See detail SD_2_41 for ramp configuration at intersections.

Unresolved.

TRACT C
FALCON VISTA SUBDIVISION
REC. NO. 201077380



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D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831



SHEET TITLE
HORIZONTAL CONTROL PLAN C

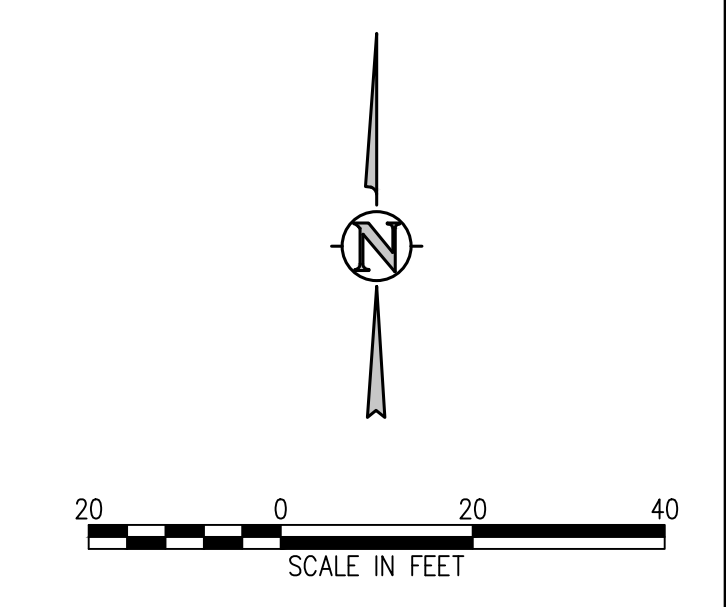
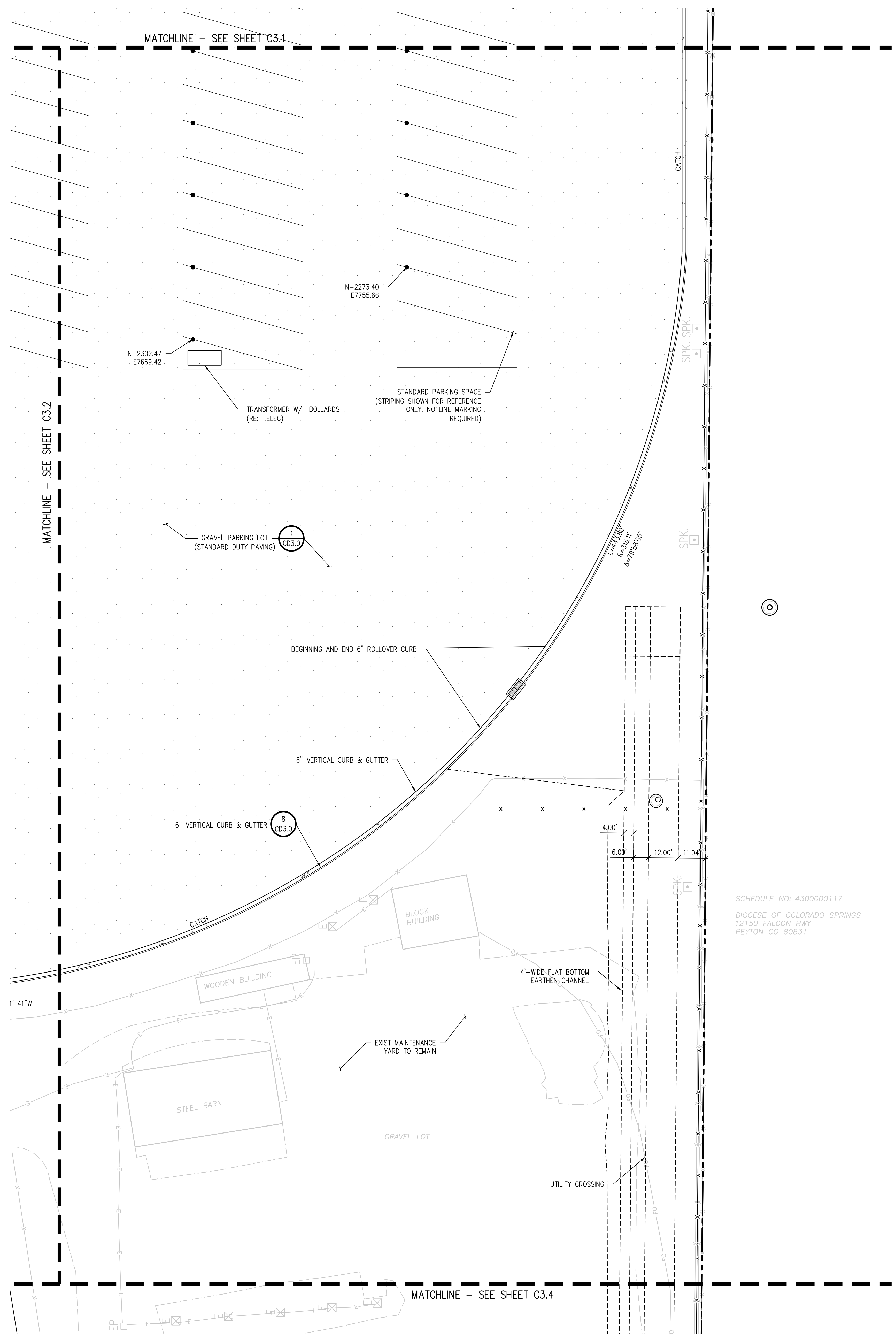
RTA PROJECT NUMBER
2021-041.00
DATE
01/25/2023

#	DATE	DESCRIPTION

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DRAWN BY: **TWK/AMB**
CHECKED BY: **CWK**

ISSUED FOR
CONSTRUCTION DOCUMENTS

C3.3



D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831



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SHEET TITLE
HORIZONTAL CONTROL PLAN D

RTA PROJECT NUMBER
2021-041.00

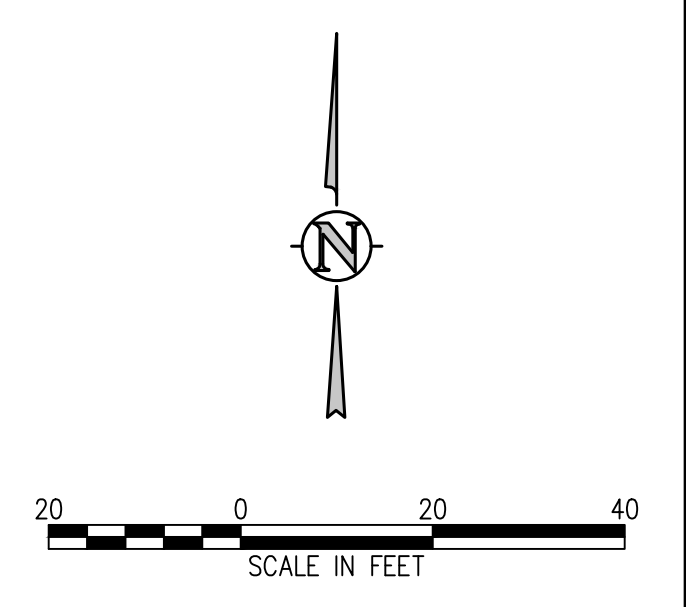
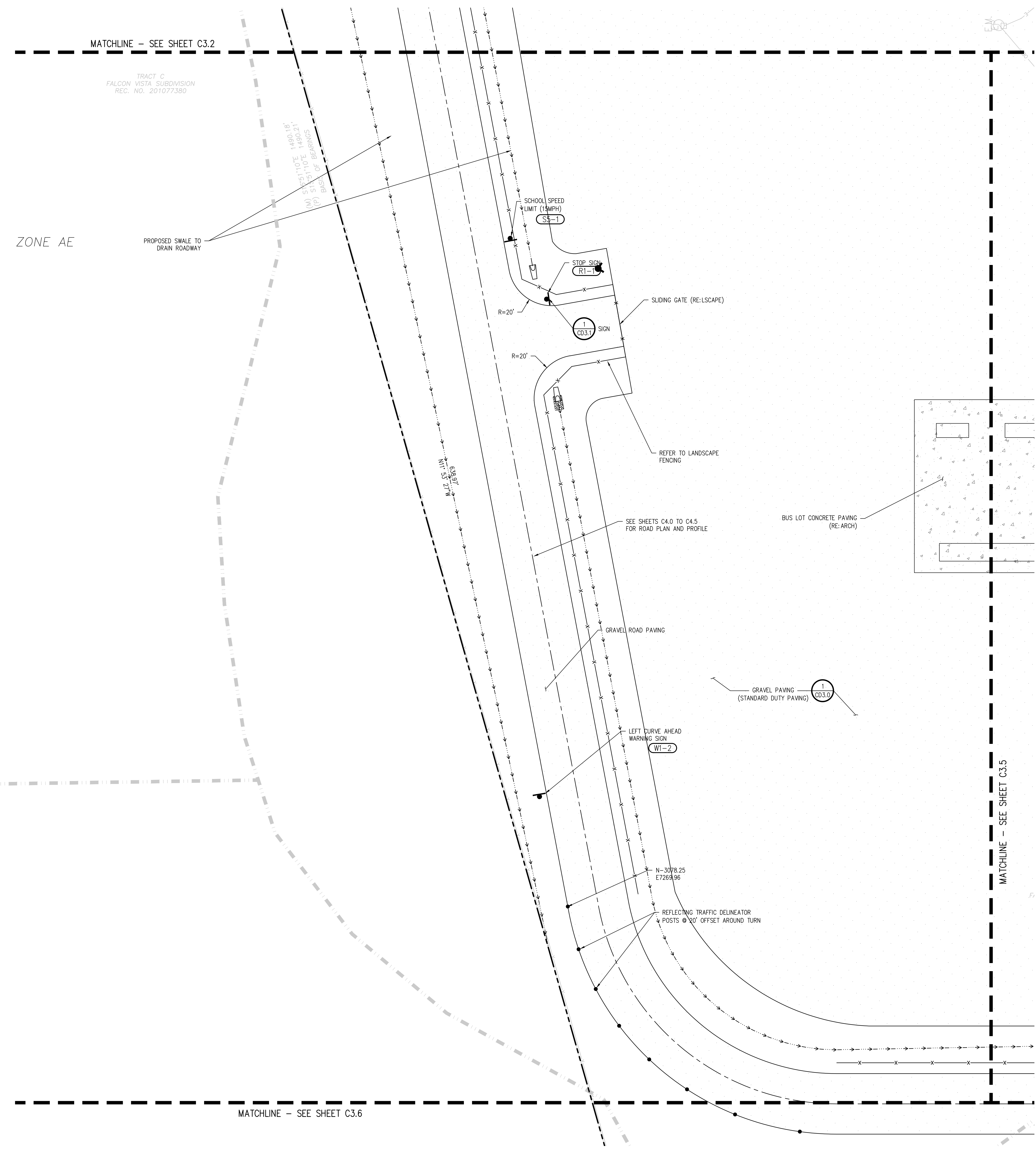
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01/25/2023

REVISIONS	DATE	DESCRIPTION

DESIGN APPROVAL: **CWK/HCM**
DRAWN BY: **TWK/AMB**
CHECKED BY: **CWK**

ISSUED FOR
CONSTRUCTION DOCUMENTS

C3.4



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D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
 11971 SWINGLINE ROAD
 PEYTON, CO 80831



SHEET TITLE
HORIZONTAL CONTROL PLAN E

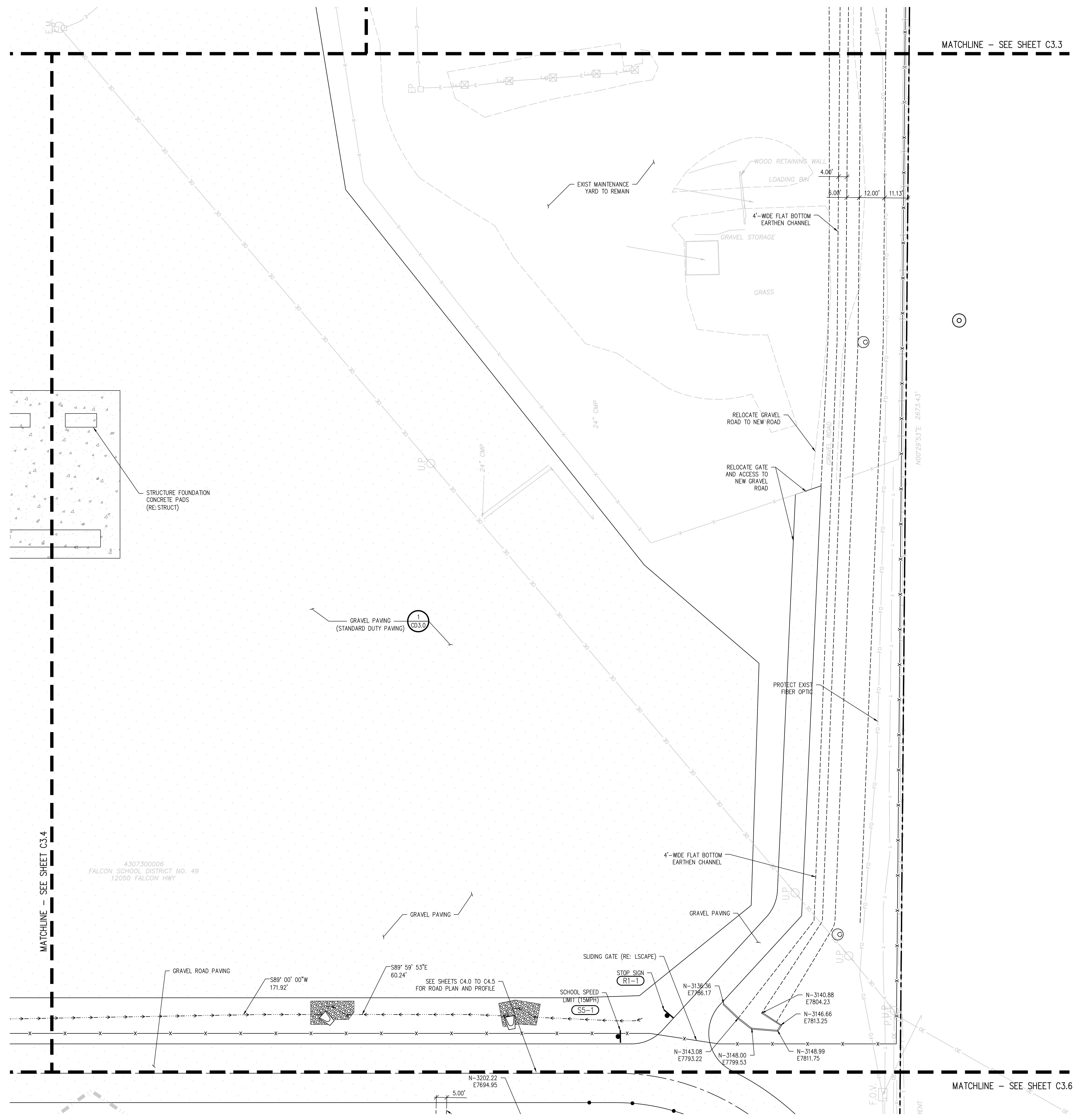
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 DATE
01/25/2023
 REVISIONS

#	DATE	DESCRIPTION

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 CHECKED BY: **CWK**

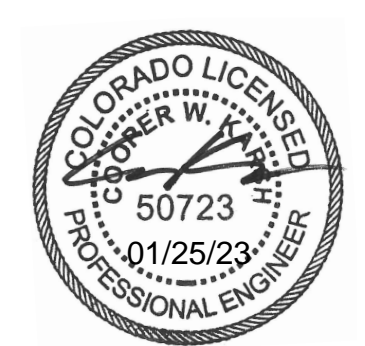
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D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831



SHEET TITLE
HORIZONTAL CONTROL PLAN F

WTA PROJECT NUMBER
2021-041.00

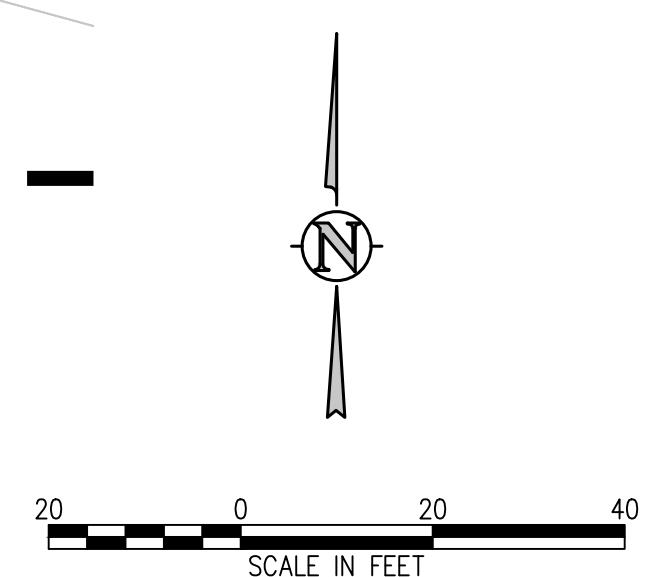
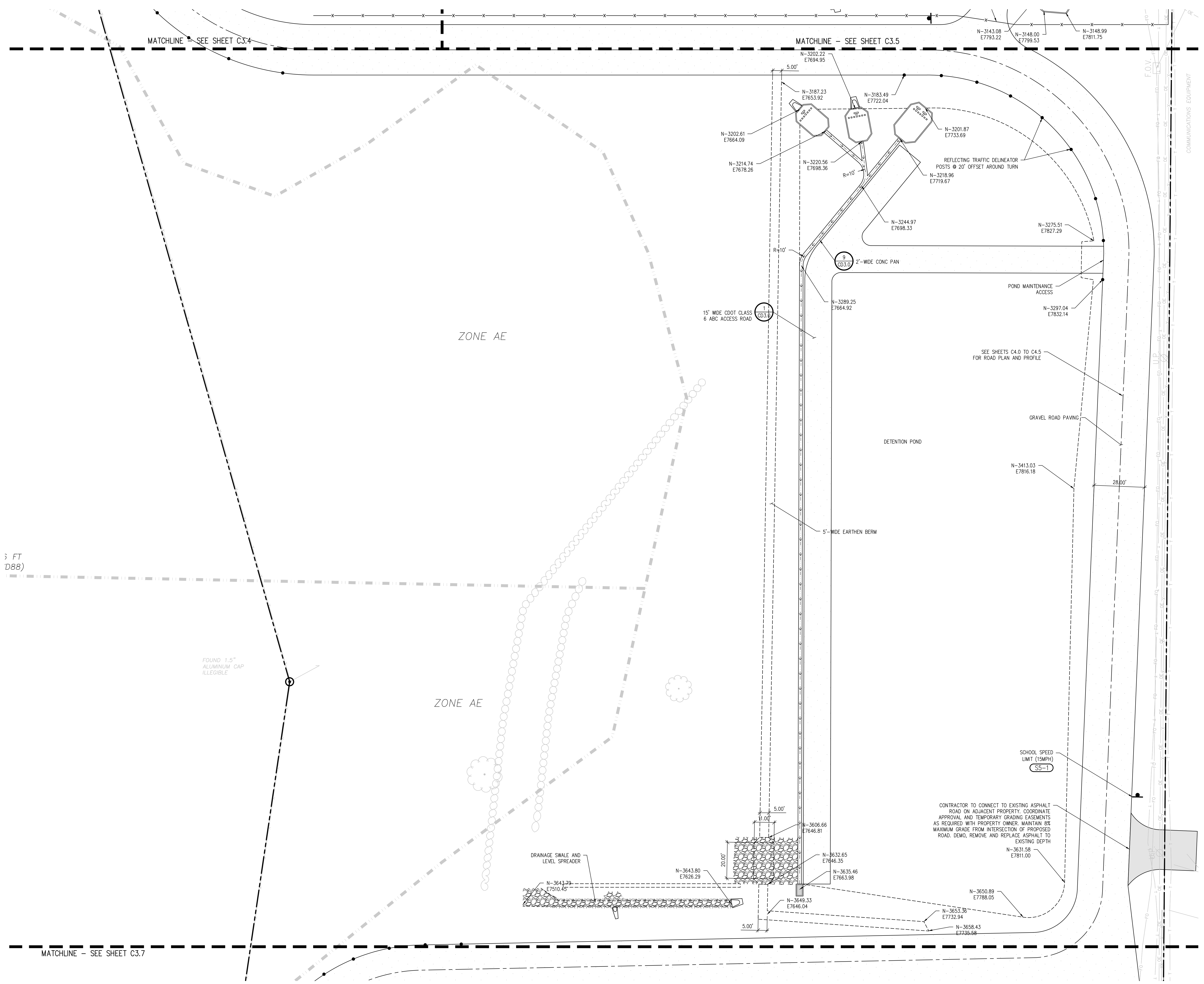
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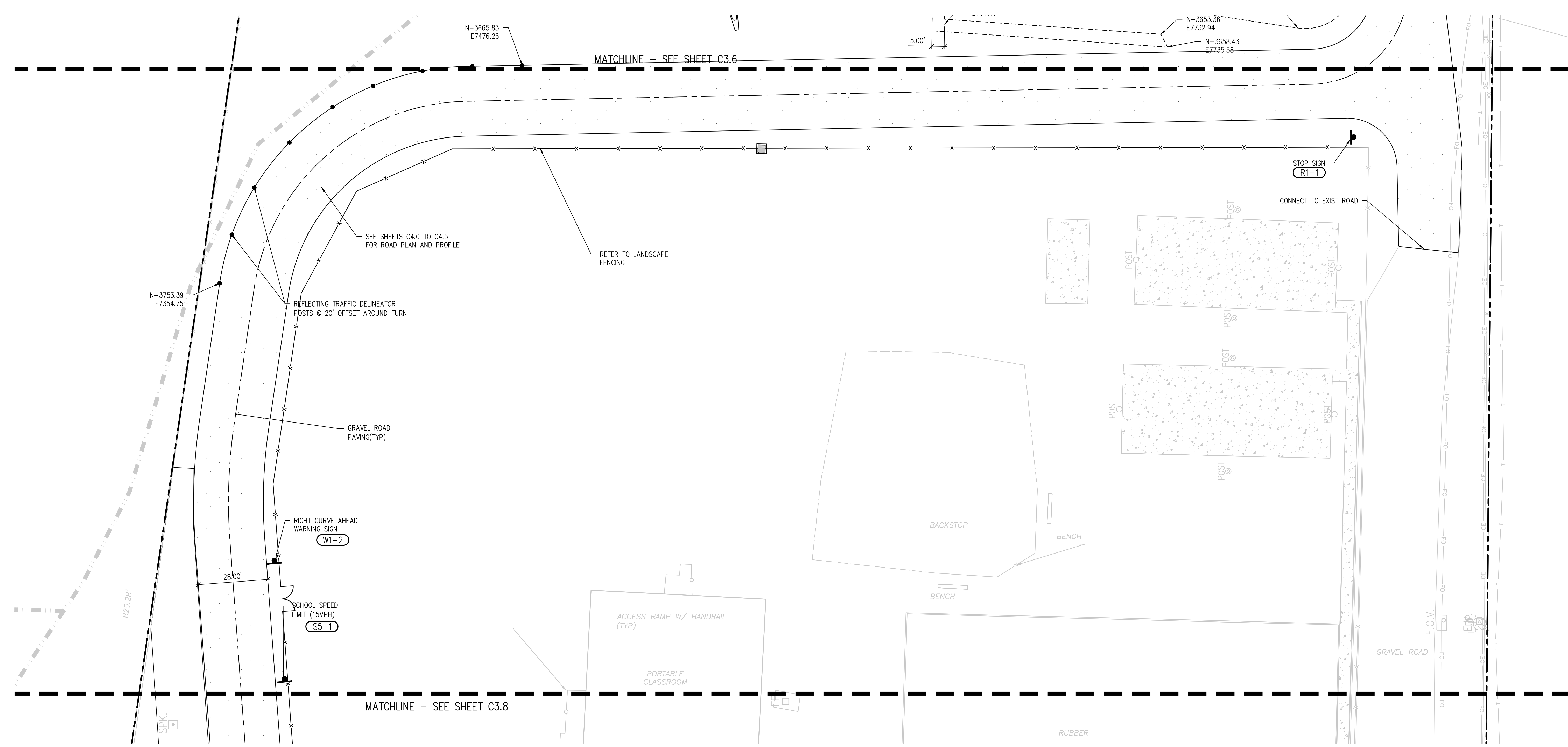
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DRAWN BY: **TW/A/AMB**
CHECKED BY: **CWK**

ISSUED FOR
CONSTRUCTION DOCUMENTS

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D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831



SHEET TITLE
HORIZONTAL CONTROL PLAN G

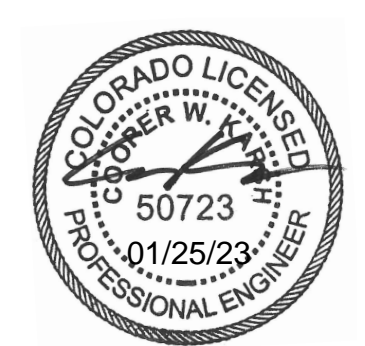
RTA PROJECT NUMBER
2021-041.00
DATE
01/25/2023

#	DATE	DESCRIPTION

DESIGN APPROVAL: **CWK/HCM**
DRAWN BY: **TWK/AMB**
CHECKED BY: **CWK**

ISSUED FOR
CONSTRUCTION DOCUMENTS
SHEET NO.
C3.7

D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831



SHEET TITLE
HORIZONTAL CONTROL PLAN H

DATE PROJECT NUMBER
2021-041.00

DATE
01/25/2023

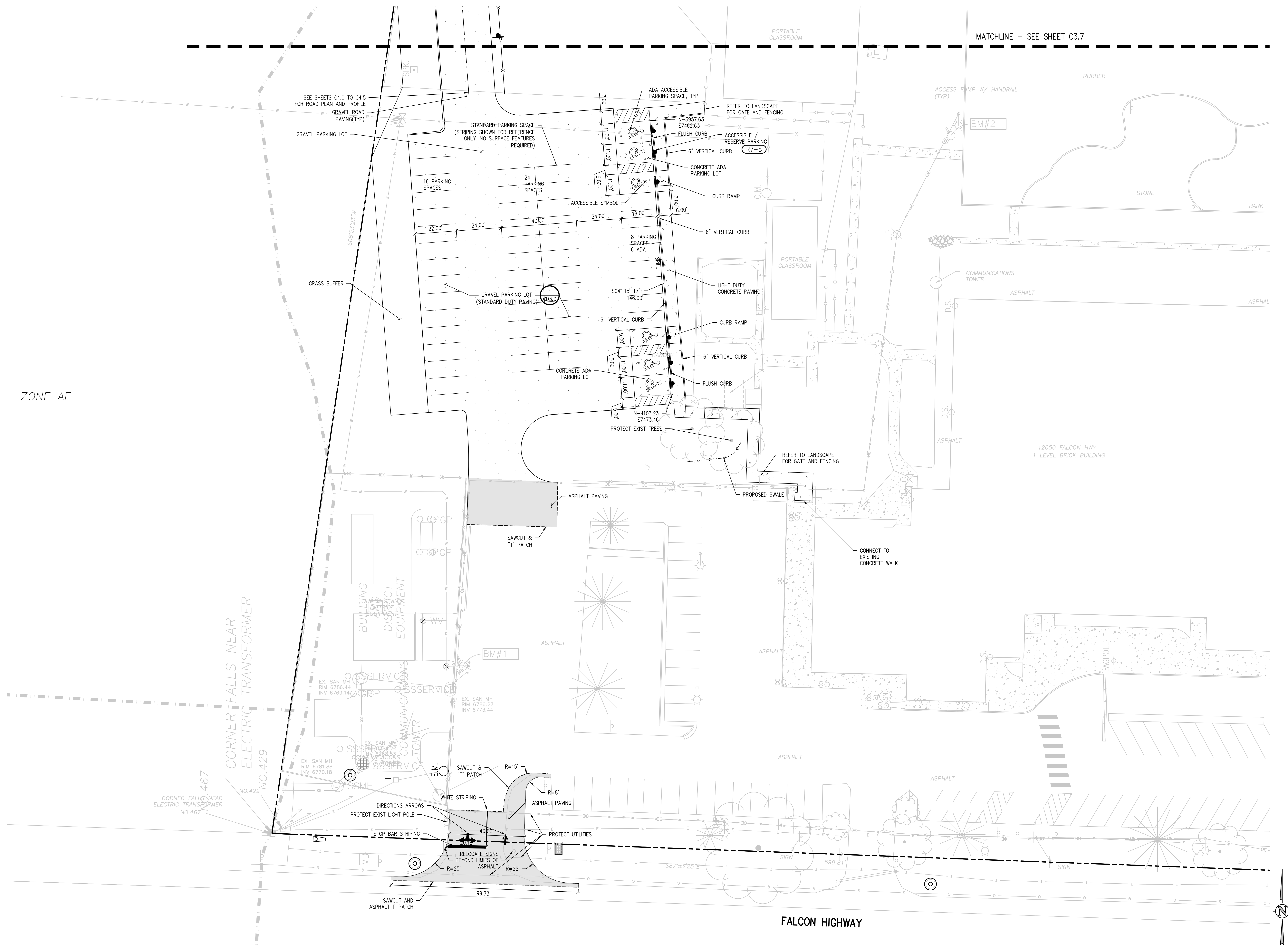
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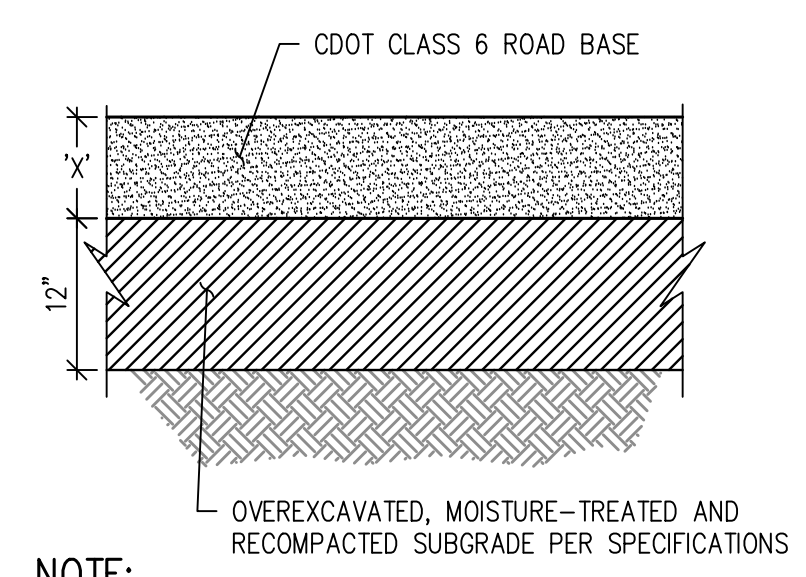
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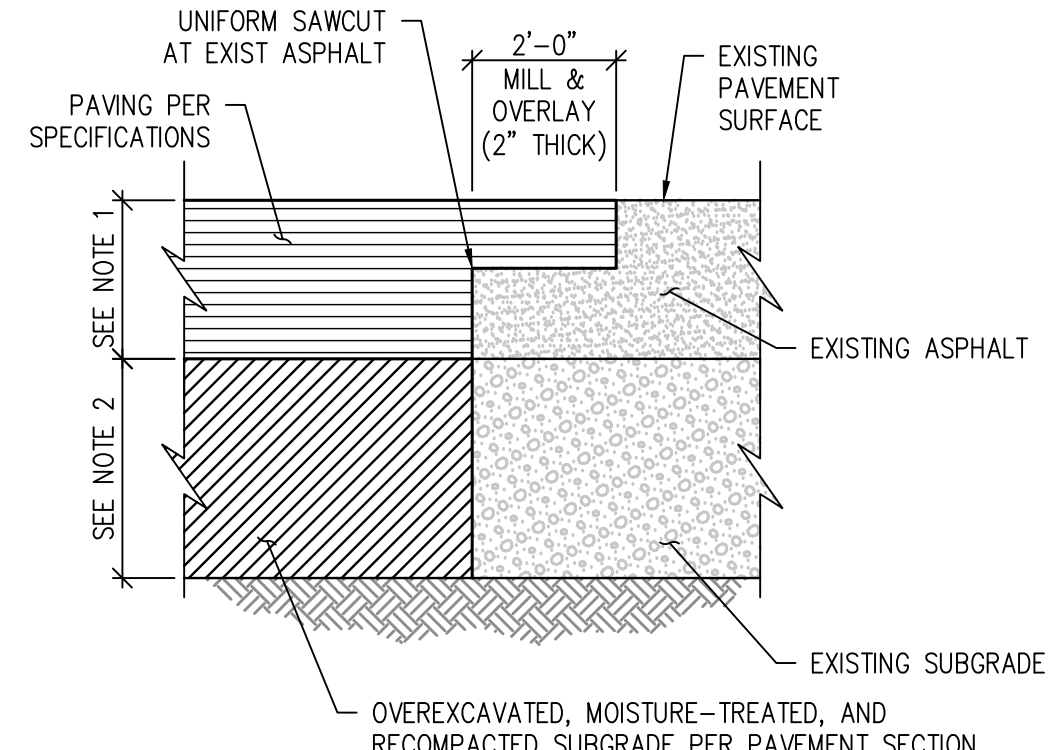
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NOTE:

1. "X" GRAVEL THICKNESS:
6" LIGHT DUTY
8" STANDARD DUTY
10" BUS LOT AND ACCESS ROAD
2. REFER TO GEOTECHNICAL REPORT AND RECOMMENDATIONS FOR PAVEMENT SECTIONS INCLUDING PAVEMENTS AND SUBGRADE

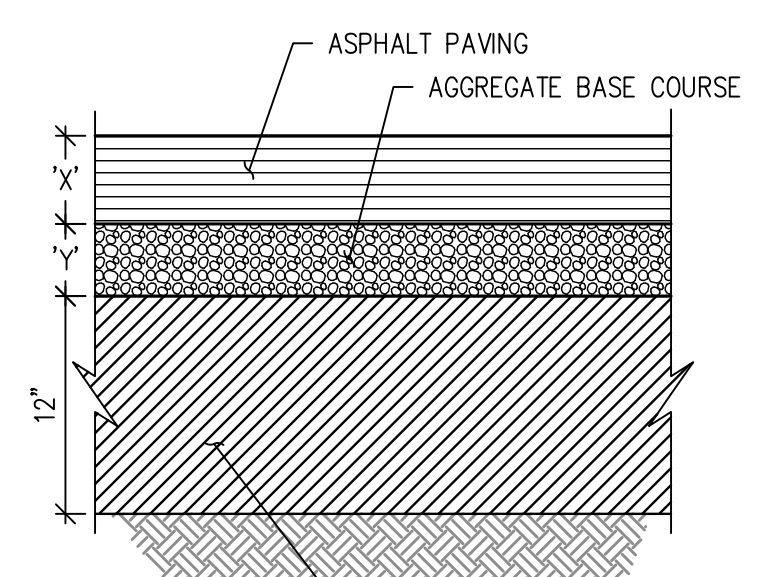
GRAVEL SECTION DETAIL 1
NTS C3.1



NOTE:

1. MATCH EXISTING DEPTH +1"
2. MATCH EXIST SUBGRADE DEPTH UNLESS OTHERWISE SPECIFIED
3. APPLY TACKIFIER AT SAWCUT AND MILL PRIOR TO PAVING.

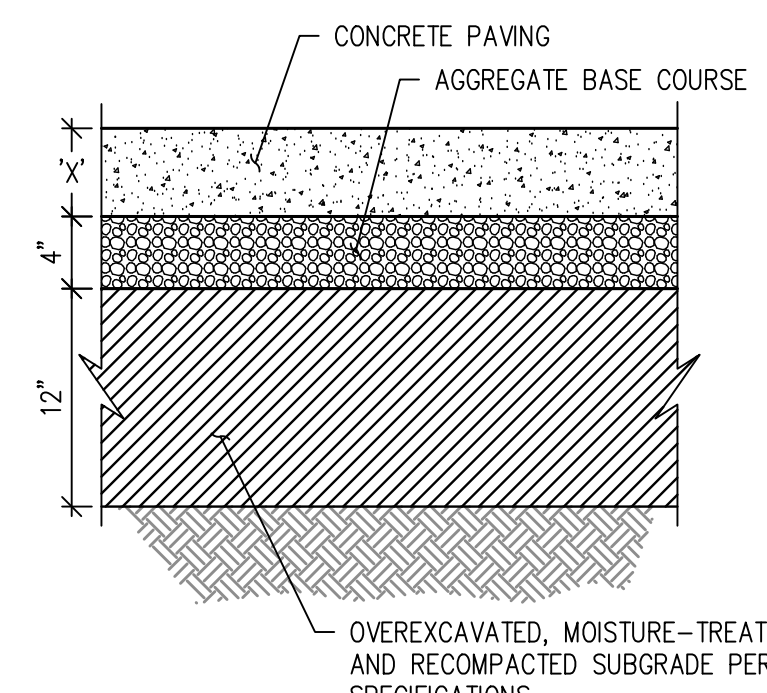
ASPHALT "T" PATCH DETAIL 2
NTS C3.2



NOTES:

1. "X" ASPHALT THICKNESS:
4.5" LIGHT DUTY
5.5" STANDARD DUTY
8" BUS LOT
2. "Y" AGGREGATE BASE COURSE THICKNESS:
6" LIGHT DUTY
6" STANDARD DUTY
10" BUS LOT

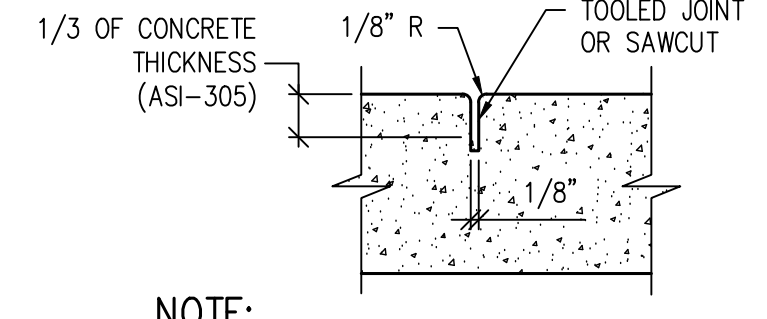
COMPOSITE ASPHALT PAVEMENT SECTION DETAIL 3
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NOTES:

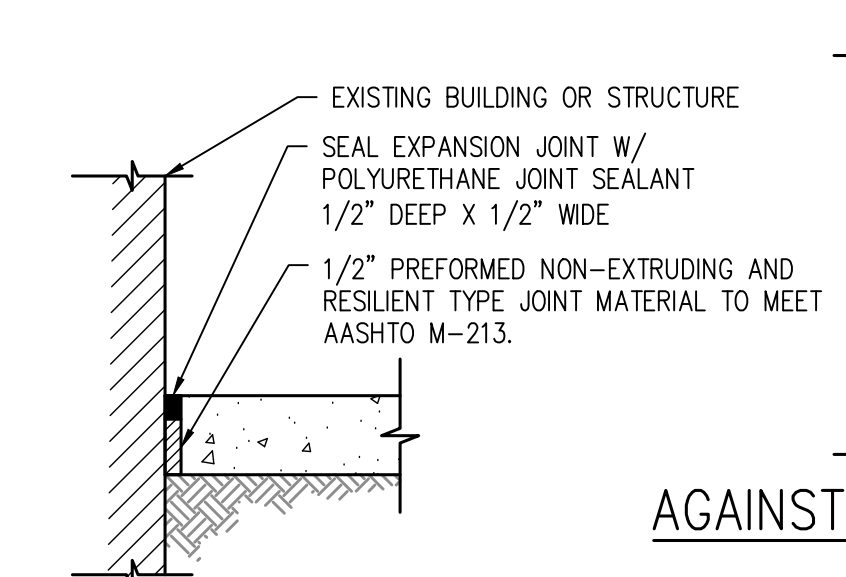
1. "X" CONCRETE THICKNESS:
6" LIGHT DUTY
6.5" STANDARD DUTY
9.5" BUS LOT
2. SEE SPECIFICATIONS FOR REINFORCEMENT REQUIREMENTS.
3. SEE CONTRACTION JOINT AND EXPANSION JOINT DETAILS.

CONCRETE PAVEMENT SECTION DETAIL 4
NTS C3.2

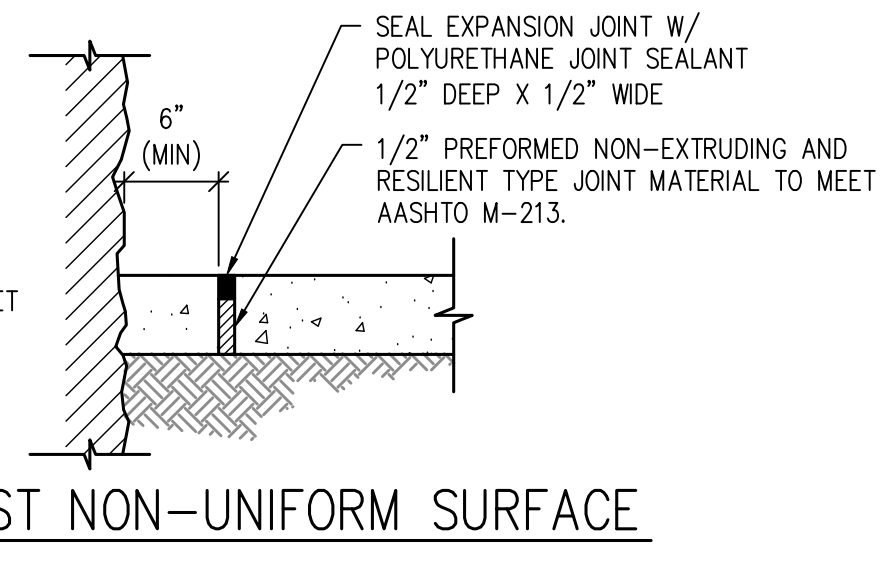


NOTE:
CONTRACTION JOINTS AT 10' INTERVAL.

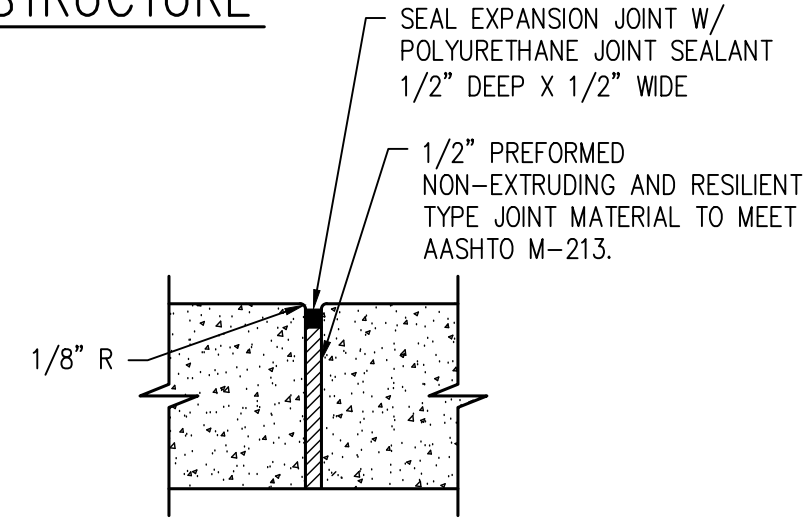
CONTRACTION JOINT DETAIL 5
NTS REV DATE 01/2018 C3.2



AGAINST STRUCTURE



AGAINST NON-UNIFORM SURFACE

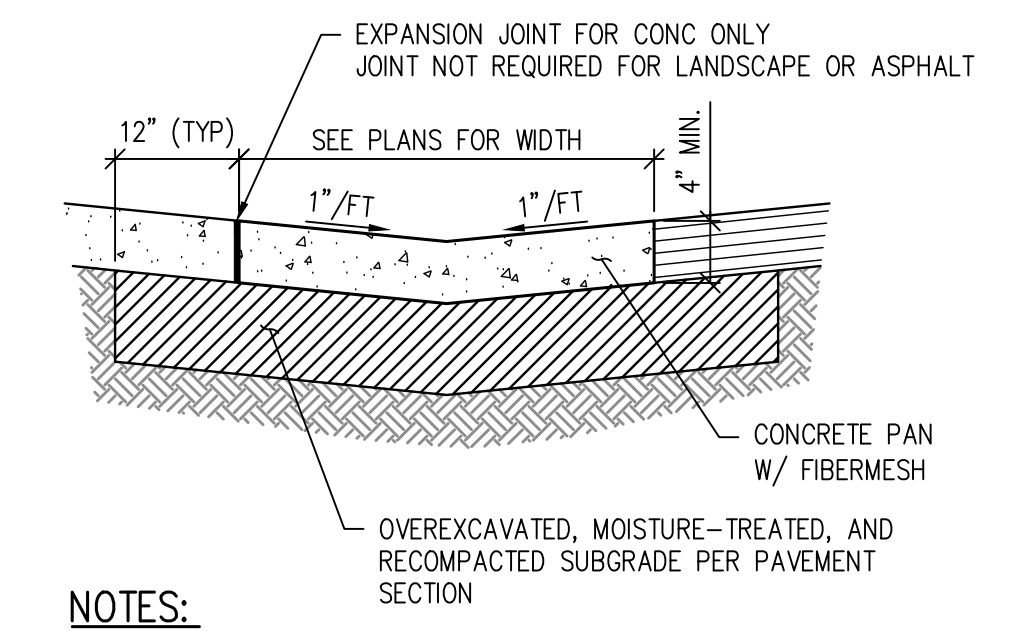


SIDEWALK

NOTES:

1. EXPANSION JOINTS EVERY 100' MAX AND WHEREVER SIDEWALK ABUTS EXISTING & PROPOSED CONCRETE STRUCTURES (TYP) - SEE PLAN
2. REMOVE PLASTIC FORMING MATERIAL ("ZIP STRIPS") FROM PREFORMED JOINT MATERIAL PRIOR TO PLACING SEALANT

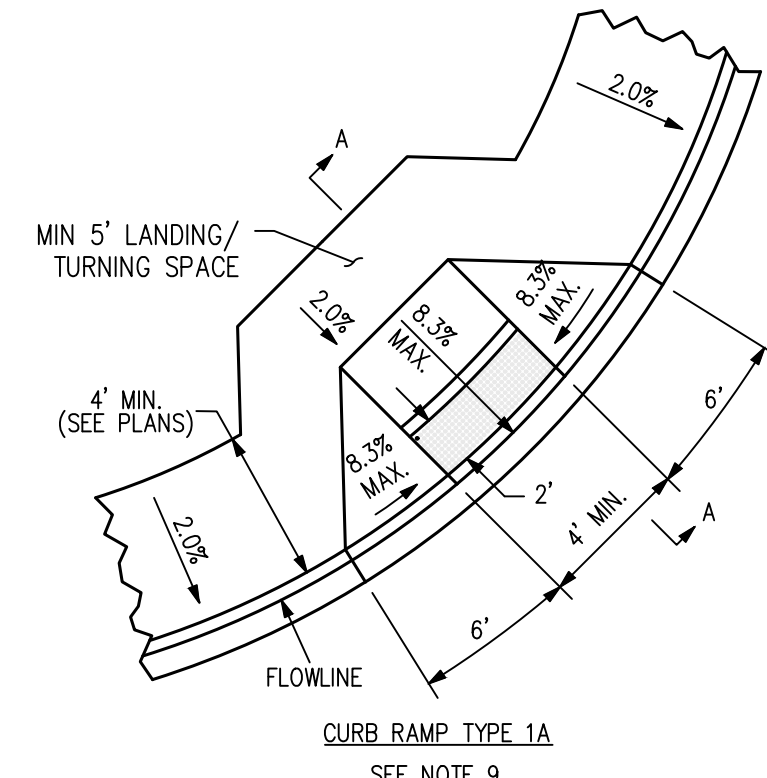
EXPANSION JOINT DETAIL 6
NTS C3.2



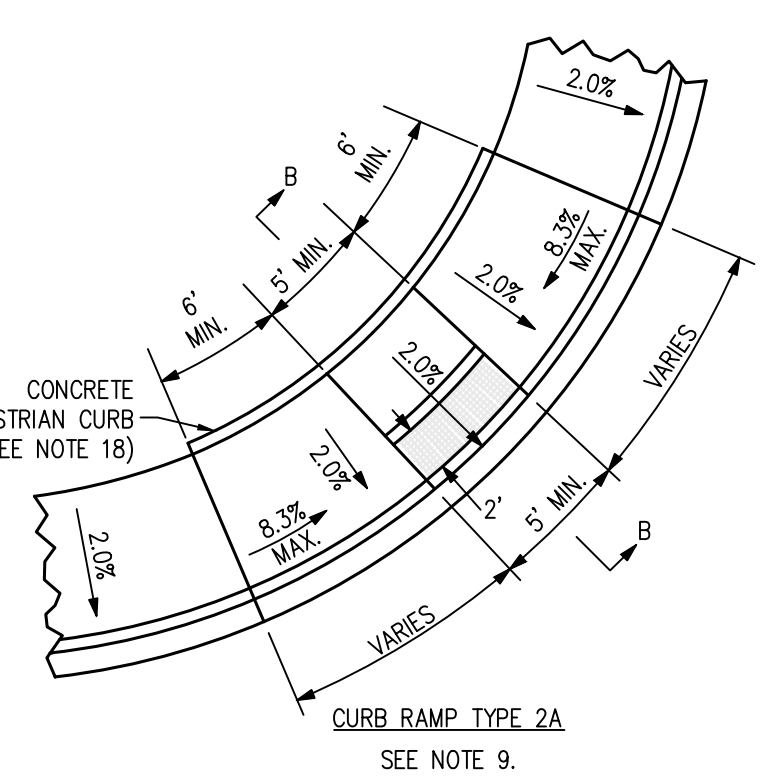
NOTES:

1. THIS PAN IS FOR USE AT NON-DRIVE AREAS ONLY.
2. SEE PLANS FOR INVERT ELEVATIONS AND HORIZONTAL CONTROLS.
3. SEE THIS SHEET FOR CONTRACTION AND EXPANSION JOINT DETAILS.
4. PROVIDE JOINT LAYOUT PLAN TO OWNER FOR APPROVAL PRIOR TO CONSTRUCTION. JOINTS TO MATCH ADJOINING SIDEWALK.

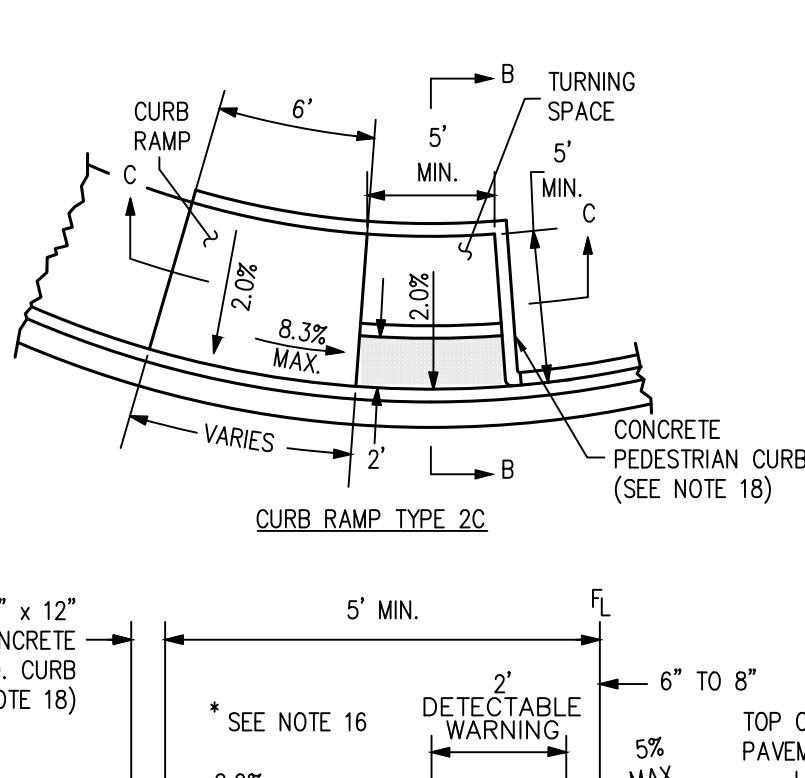
CONCRETE PAN DETAIL 9
NTS C3.1



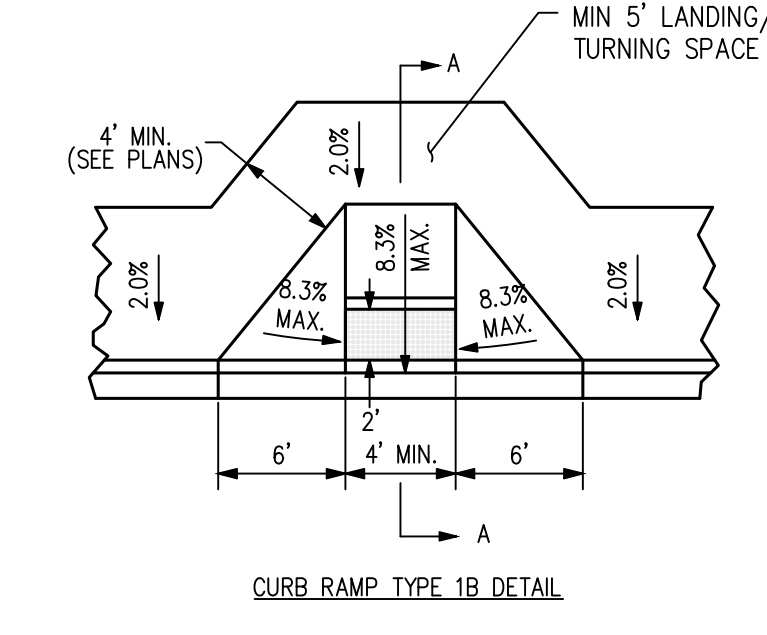
CURB RAMP TYPE 1A
SEE NOTE 9.



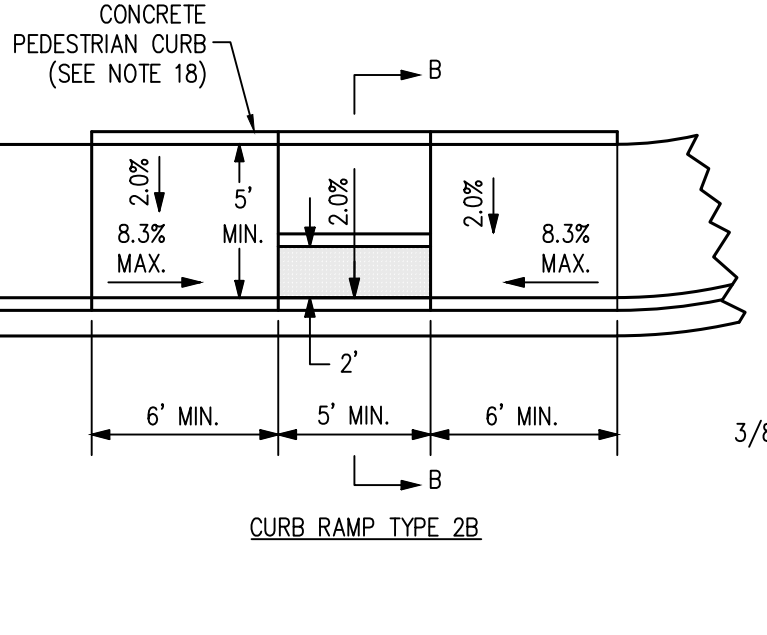
CURB RAMP TYPE 2A
SEE NOTE 9.



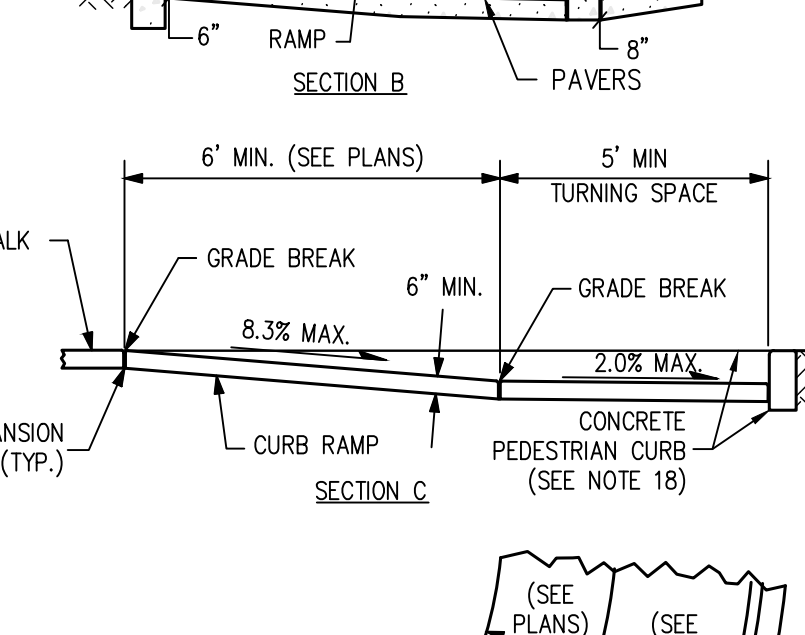
CURB RAMP TYPE 2C
SEE NOTE 9.



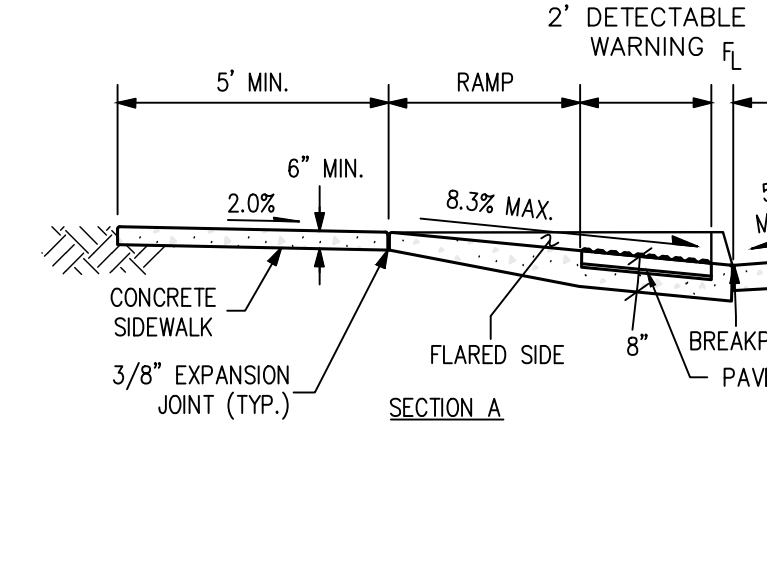
CURB RAMP TYPE 1B DETAIL



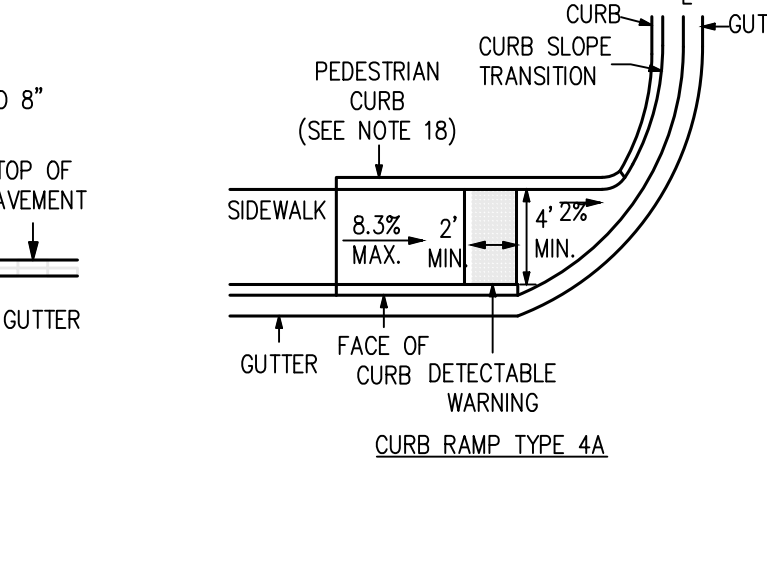
CURB RAMP TYPE 2B



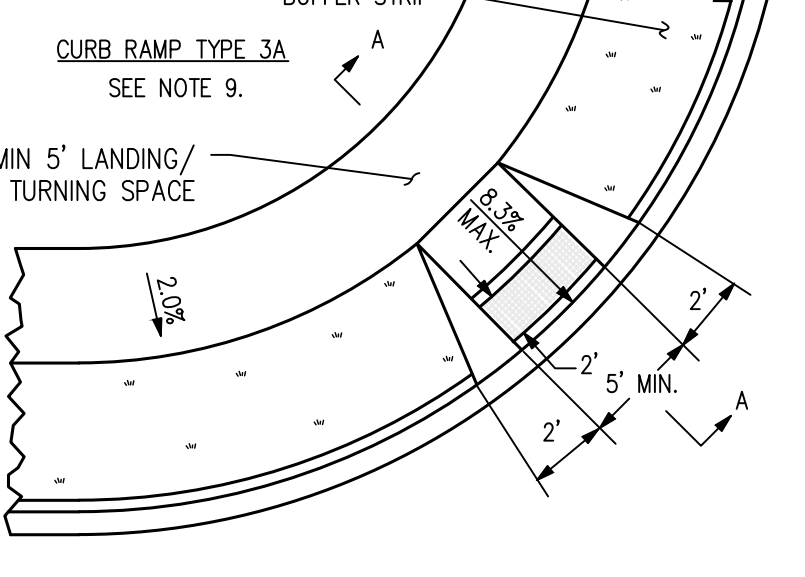
CURB RAMP TYPE 3A
SEE NOTE 9.



SECTION A



SECTION B

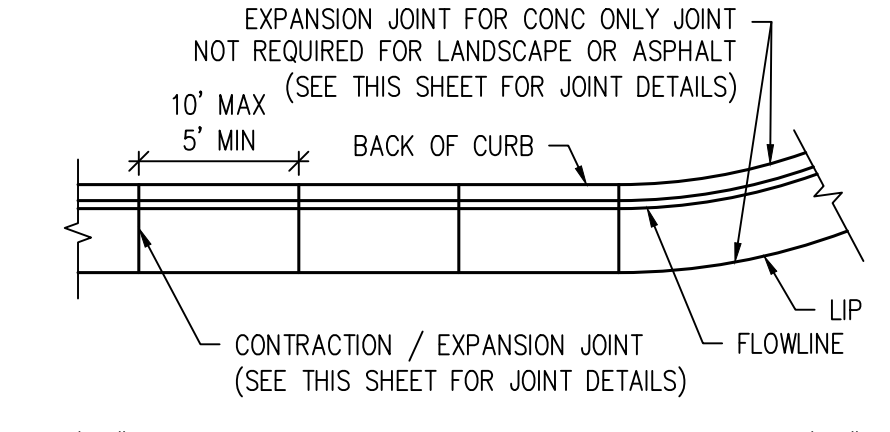


SECTION C

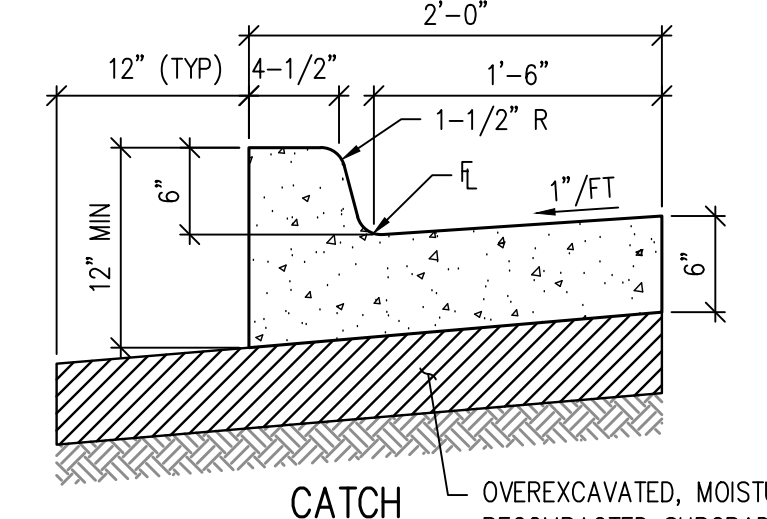
PRIVATE CURB RAMP DETAIL 7
NTS C3.2

NOTES:

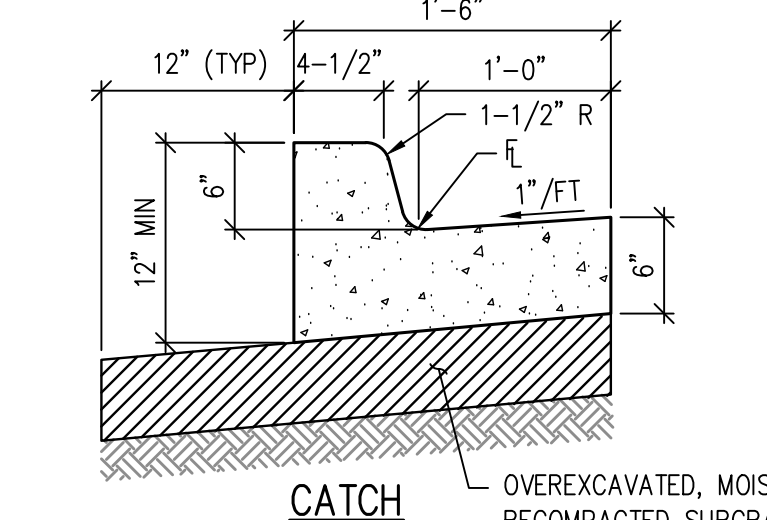
1. ALL DETECTABLE WARNING SURFACES SHALL BE INSTALLED AT SIDEWALK TO STREET TRANSITIONS. THEY SHALL HAVE A TRUNCATED DOME SURFACE. THE DOMES SHALL BE IN A SQUARE GRID PATTERN AND ALIGNED WITH PEDESTRIAN TRAFFIC. THE DETECTABLE WARNINGS SHALL BE CONTRASTING COLOR TO THE SURROUNDING SIDEWALK.
2. ALL DETECTABLE WARNING SURFACES SHALL START A MINIMUM OF 6 INCHES FROM THE FLOWLINE OF THE CURB AND NOT BE MORE THAN A MAXIMUM OF 8 INCHES FROM ANY POINT ON THE FLOWLINE OF THE CURB, WITH EXCEPTION FOR TYPES 1B MODIFIED AND 3B MODIFIED CURB RAMP AS THIS DIMENSION MAY BE GREATER THAN 8 INCHES ON ONE SIDE OF THE RADIUS.
3. THE RAMP SLOPE AND DETECTABLE WARNING SURFACE SHALL BE 8.3% OR FLATTER.
4. RAMP SLOPE MAY NOT EXCEED 8.3% CROSS SLOPE MAY NOT EXCEED 2.0% MAXIMUM SLOPES MAY NOT BE EXCEEDED REGARDLESS OF TOLERANCES, EXCEEDING THE MAXIMUM SLOPE WILL NOT BE ACCEPTED. ADJUST ALL DIMENSIONS PER PLAN.
5. THE MINIMUM WIDTH FOR SIDEWALK IS 4 FEET.
6. DRAINAGE STRUCTURES, TRAFFIC SIGNAL EQUIPMENT, OR OTHER OBSTRUCTIONS SHALL NOT BE INSTALLED IN THE CURB RAMP OR TURNING SPACE AREAS.
7. CONSTRUCTION OF THE CONCRETE PEDESTRIAN CURB SHALL BE INCLUDED IN THE BID PRICE OF THE CONCRETE CURB RAMP.
8. IF THE PLACEMENT OF THE PEDESTRIAN PUSH BUTTON ASSEMBLY ON A TRAFFIC SIGNAL MAST POLE WILL NOT BE WITHIN EASY REACH (10 INCHES OR LESS AND UNOBSTRUCTED) OF ALL PEDESTRIANS (IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT), THEN A SEPARATE PEDESTRIAN PUSH BUTTON POST ASSEMBLY (PPBPA) SHALL BE INSTALLED WITHIN ADA REACH RANGES. THE PPBPA SHALL MEET THE PROVISIONS FOUND IN "SECTION 4E.08 THROUGH 4E.13 - PEDESTRIAN DETECTORS" OF THE 2009 MUTCD MANUAL WITH REVISIONS 1 AND 2.
9. DIAGONAL CURB RAMP (ON THE APEX) ARE NOT PREFERRED IN NEW CONSTRUCTION. A SINGLE DIAGONAL CURB RAMP (ON THE APEX) WILL ONLY BE PERMITTED DURING RECONSTRUCTION OR ALTERATION WHERE PHYSICAL OR SITE CONSTRAINTS PREVENT TWO CURB RAMP FROM BEING INSTALLED. THE ENGINEER SHALL PROVIDE APPROVED JUSTIFICATION DOCUMENTATION (CDOT CURB RAMP DESIGN VARIANCE REQUEST FORM) FOR CDOT PROJECTS. ALL CURB RAMP INSTALLED ON THE APEX MUST MEET THE STANDARDS AS DEFINED IN M-608-1.
10. CURB RAMP (EXCLUDING FLARED SIDES OR BLENDED TRANSITIONS) SHALL BE WHOLLY CONTAINED WITHIN THE WIDTH OF THE CROSSWALK AND/OR THE PEDESTRIAN STREET CROSSING THEY SERVE.
11. ALL CURB RAMP JOINTS AND GRADE BREAKS SHALL BE FLUSH (0" - 1/8"). THE JOINT BETWEEN THE ROADWAY SURFACE AND GUTTER PAN SHALL BE FLUSH.
12. THE CONTRACTOR SHALL VERIFY REMOVAL LIMITS ARE SUFFICIENT TO PROVIDE POSITIVE DRAINAGE, MAINTAIN EXISTING DRAINAGE PATTERNS, AND AVOID PONDING IN THE FINAL CONFIGURATION.
13. TO AVOID CHASING GRADE INDEFINITELY WHEN TRAVERSING THE HEIGHT OF CURB, THE RAMP LENGTH SHALL NOT EXCEED 15 FEET. ADJUST THE RAMP SLOPE AS NEEDED TO PROVIDE ACCESS TO THE MAXIMUM EXTENT TECHNICALLY FEASIBLE.
14. THE CHANGE IN GRADE AT THE BOTTOM OF THE CURB RAMP AND ADJOINING ROAD SURFACE SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 13.33%. THE COUNTER SLOPE OF THE GUTTER OR ROAD AT THE FOOT OF A CURB RAMP, TURNING SPACE, OR BLENDED TRANSITION SHALL NOT EXCEED 5.0%.
15. FLARED SIDE SLOPES MAY EXCEED 10% ONLY WHERE THEY ABUT A NON-WALKABLE SURFACE OR THE ADJACENT CIRCULATION PATH IS BLOCKED.
16. THE STANDARD TURNING SPACE IS 5 FEET BY 5 FEET.
17. CURB RAMP TYPE 1B, 2B, AND 3B MAY BE USED IN MID-BLOCK.
18. THE PEDESTRIAN CURB IS REQUIRED UNLESS OTHERWISE SPECIFIED.
19. FOR FULL DETAIL INCLUDING BAR LIST AND DIMENSION TABLE, SEE CDOT DETAIL M-604-1 SHEETS 1 THROUGH 10.
20. REFER TO PLANS, DETAILS AND SPECIFICATIONS FOR FLATWORK INFORMATION, SUBGRADE PREPARATION, WALK WIDTHS, CONCRETE THICKNESS, ETC.



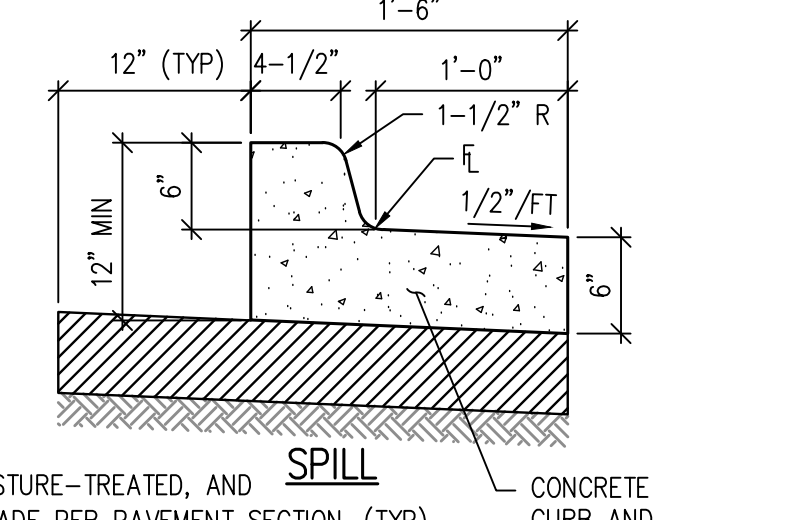
1.5' CURB AND GUTTER



1' CURB AND GUTTER (MEDIAN)



SECTION A



SECTION B

PRIVATE CURB AND GUTTER DETAIL 8
NTS C3.2

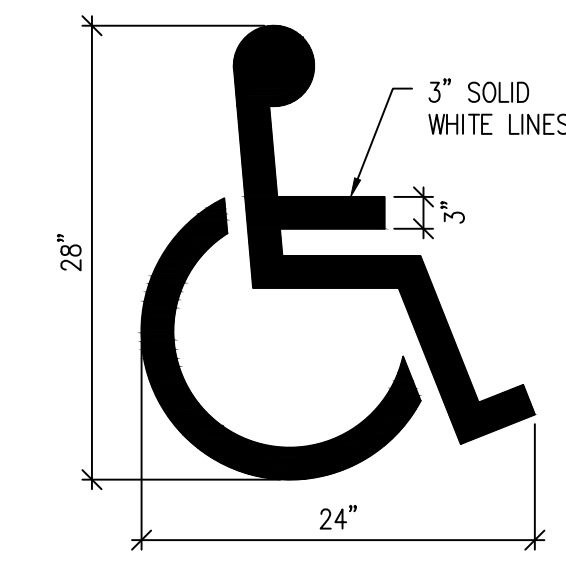
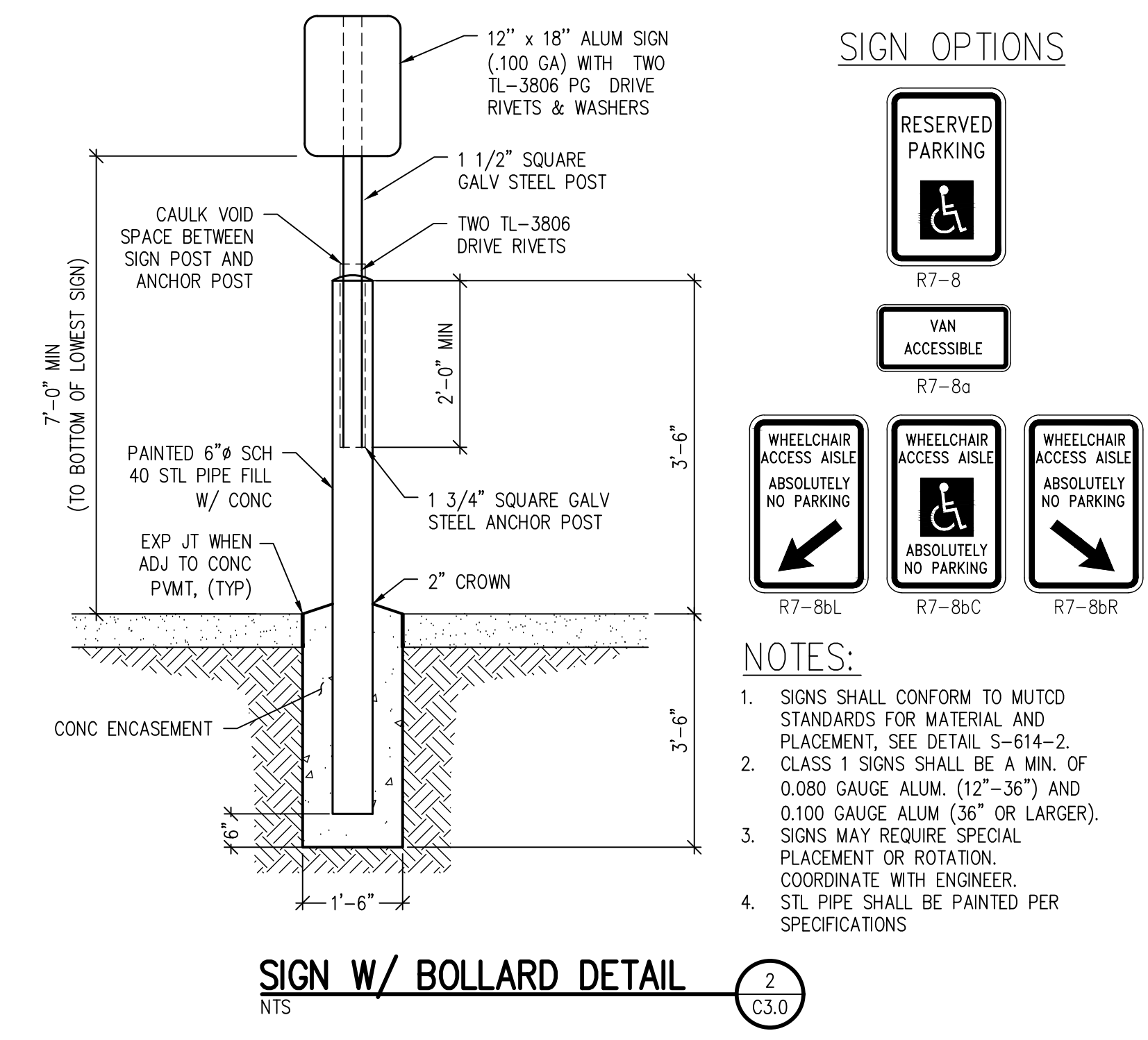
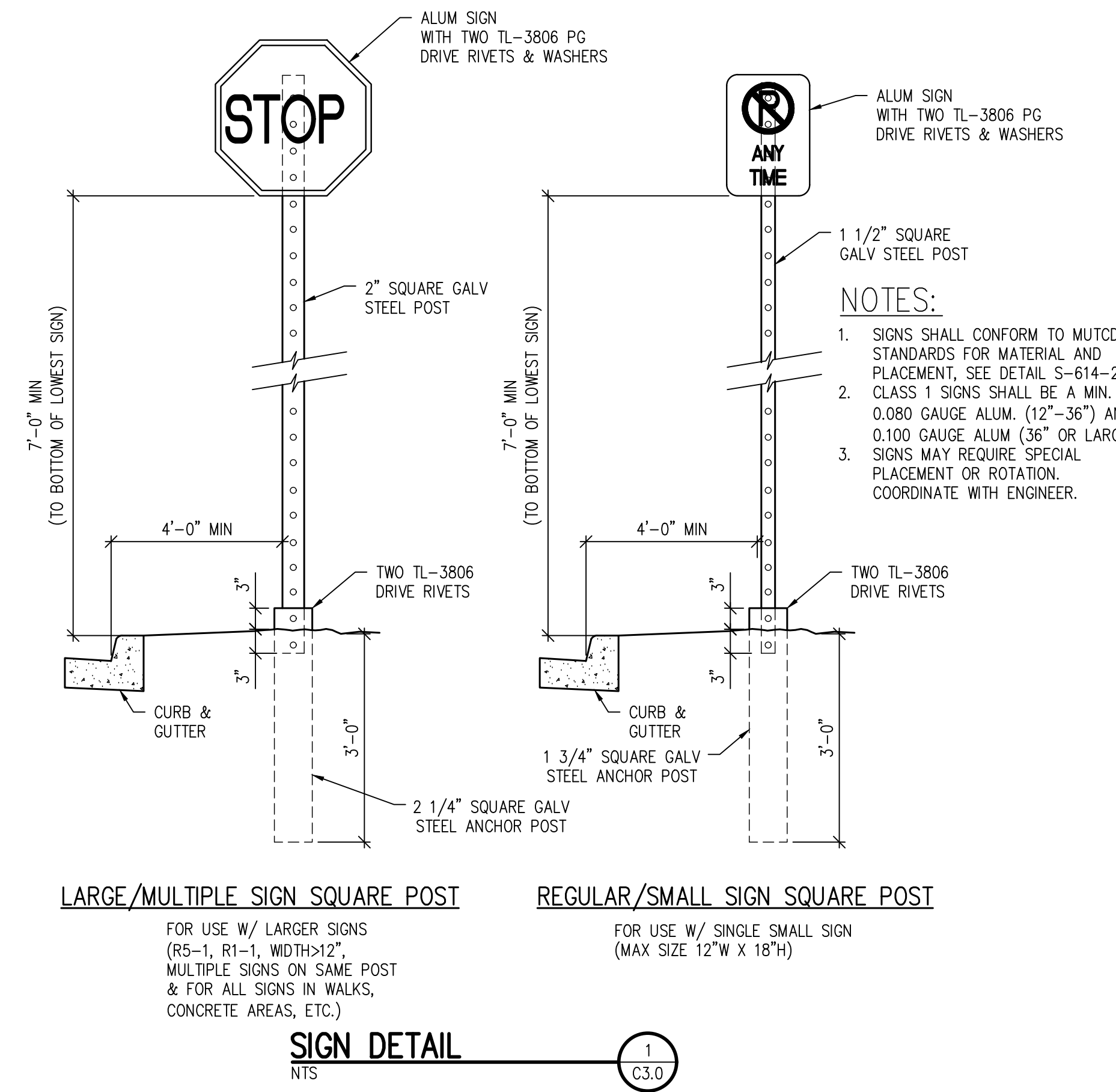


HORIZONTAL CONTROL DETAILS

WTA PROJECT NUMBER: **2021-041.00**
DATE: **01/25/2023**

REVISION	DATE	DESCRIPTION
1		

DESIGNED BY: **CKW/HCM**
CHECKED BY: **TWK/HMB**
ISSUED FOR: **CONSTRUCTION DOCUMENTS**



D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831



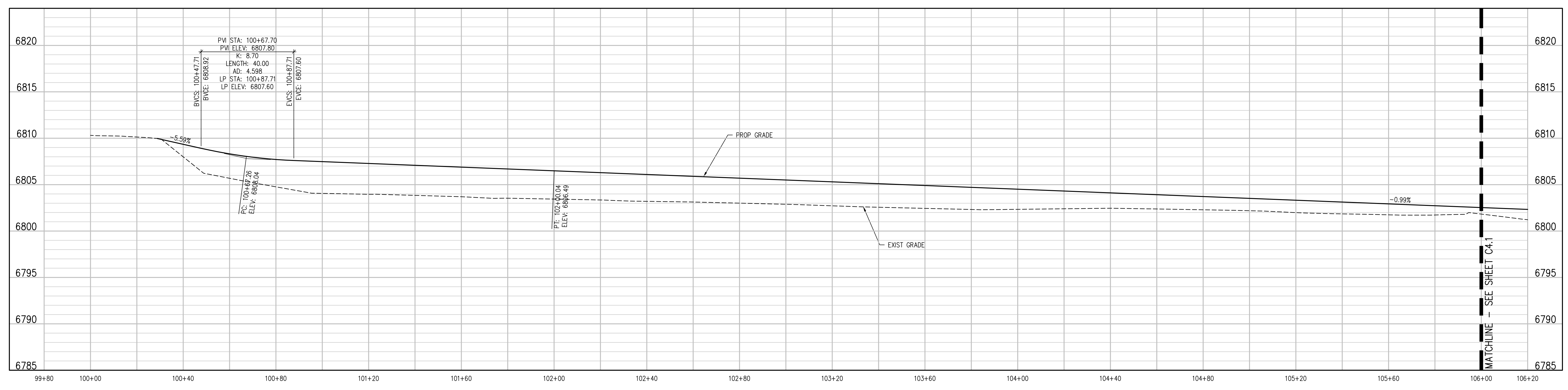
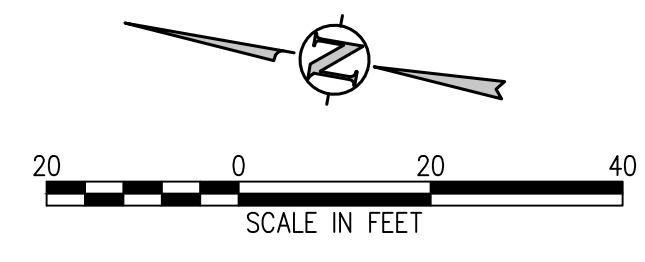
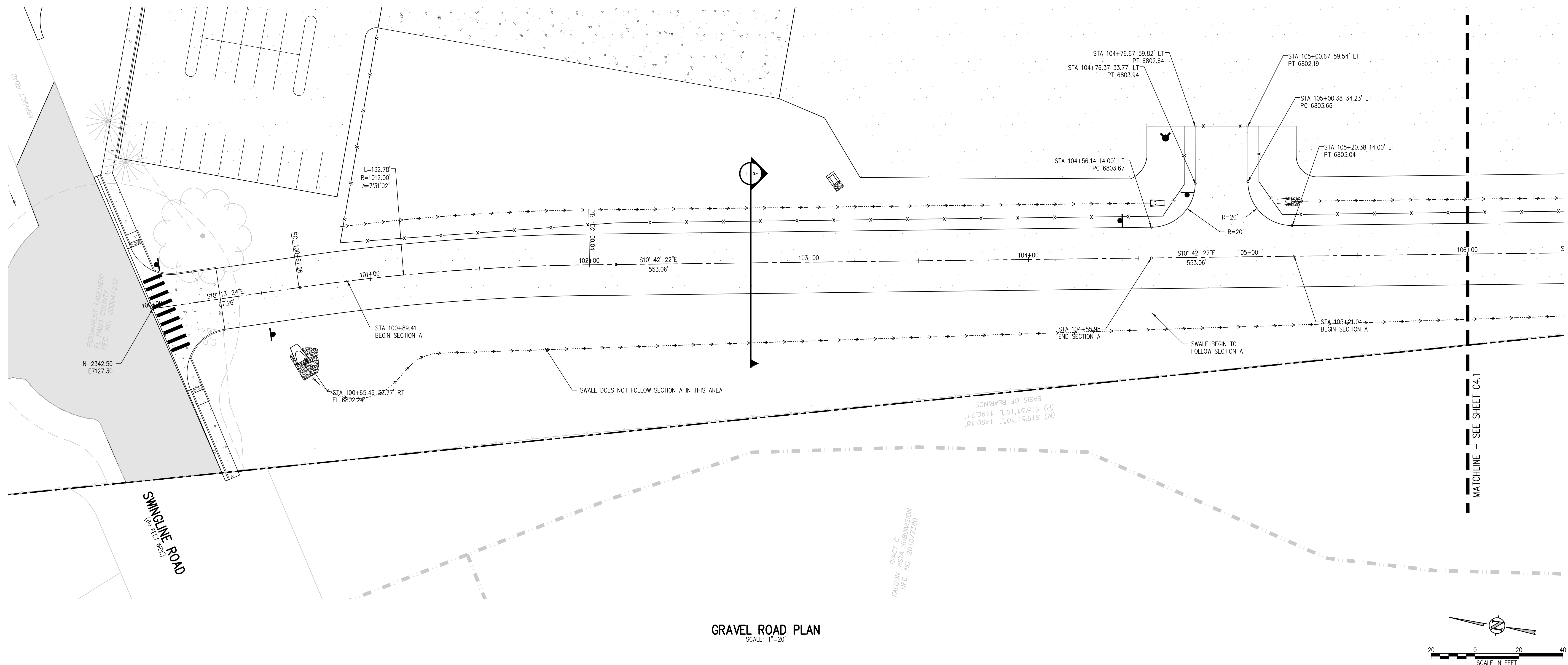
SHEET TITLE
HORIZONTAL CONTROL DETAILS

RTA PROJECT NUMBER
2021-041.00
DATE
01/25/2023

DESIGN APPROVAL: **CWK/HCM**
DRAWN BY: **TWK/AMB**
CHECKED BY: **CWK**

ISSUED FOR
CONSTRUCTION DOCUMENTS

CD3.1



D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831



SHEET TITLE
GRAVEL ROAD PLAN AND PROFILE

WTA PROJECT NUMBER
2021-041.00
DATE
01/25/2023

REVISIONS

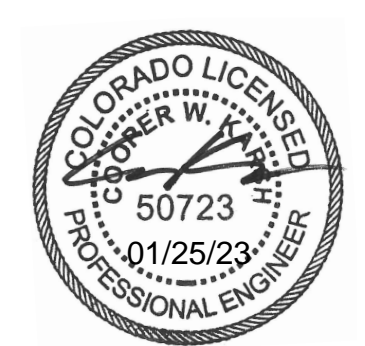
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DESIGNED BY: **CWK/HCM**
 DRAWN BY: **TWK/AMB**
 CHECKED BY: **CWK**

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CONSTRUCTION DOCUMENTS

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D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831



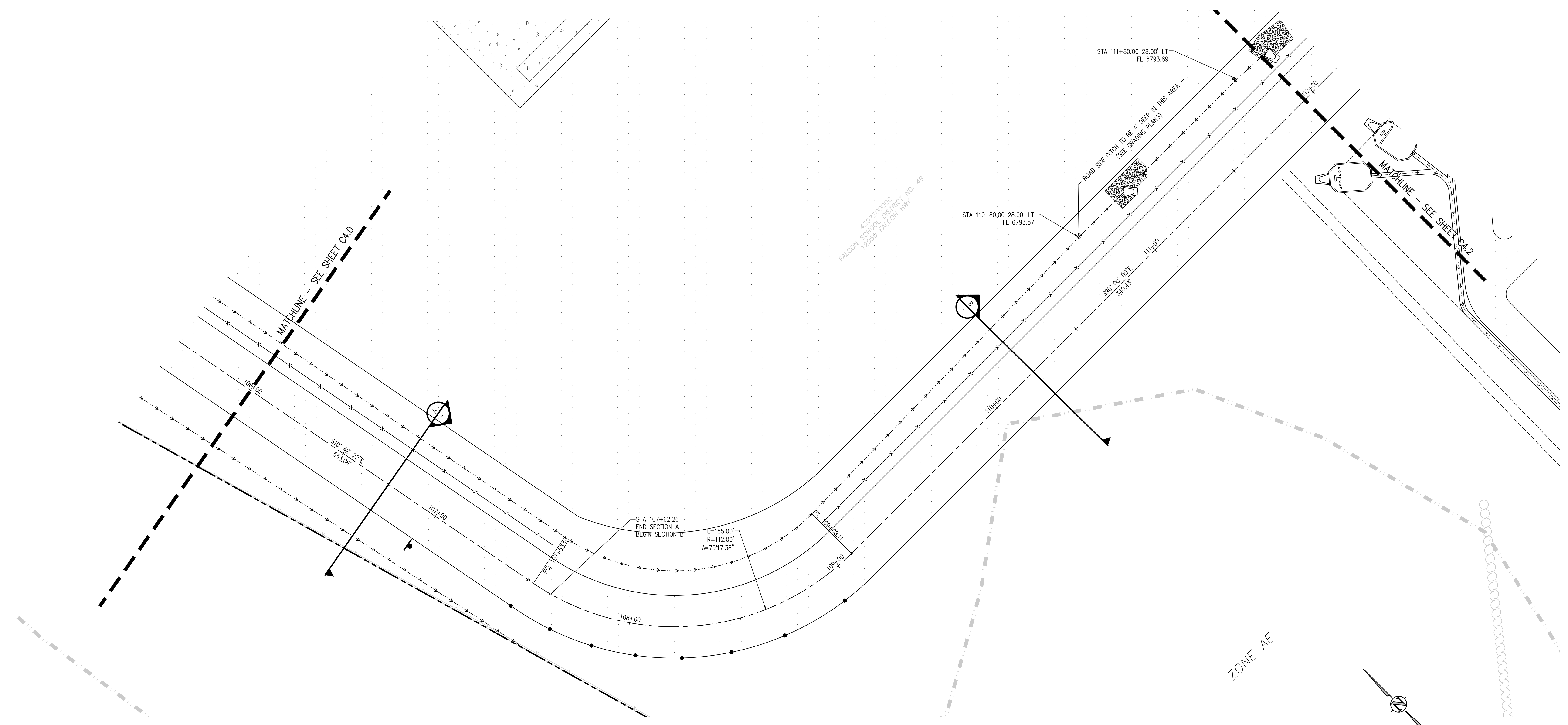
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GRAVEL ROAD PLAN AND PROFILE

WTA PROJECT NUMBER
2021-041.00

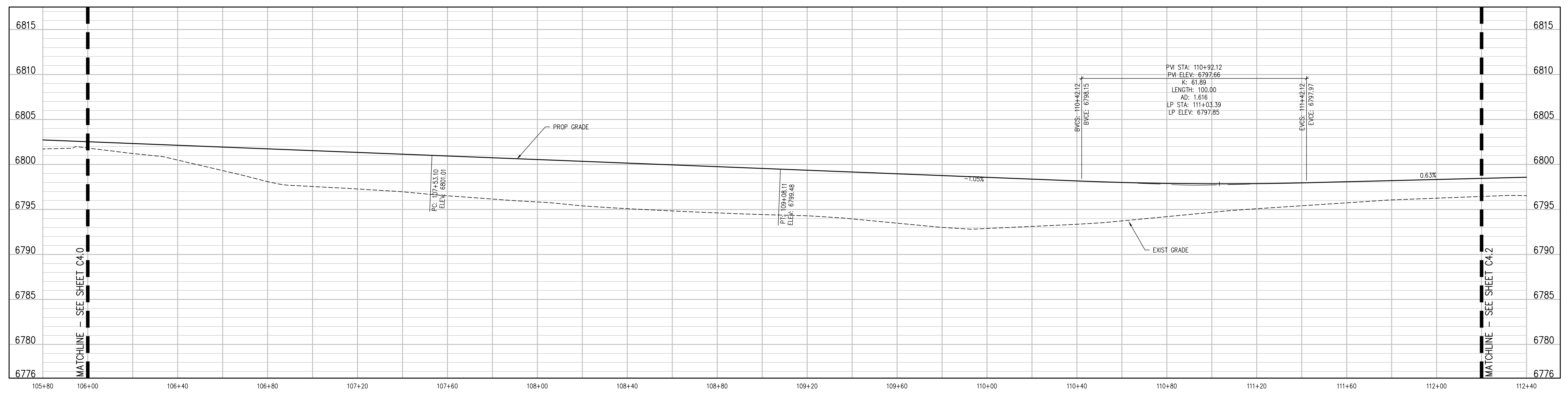
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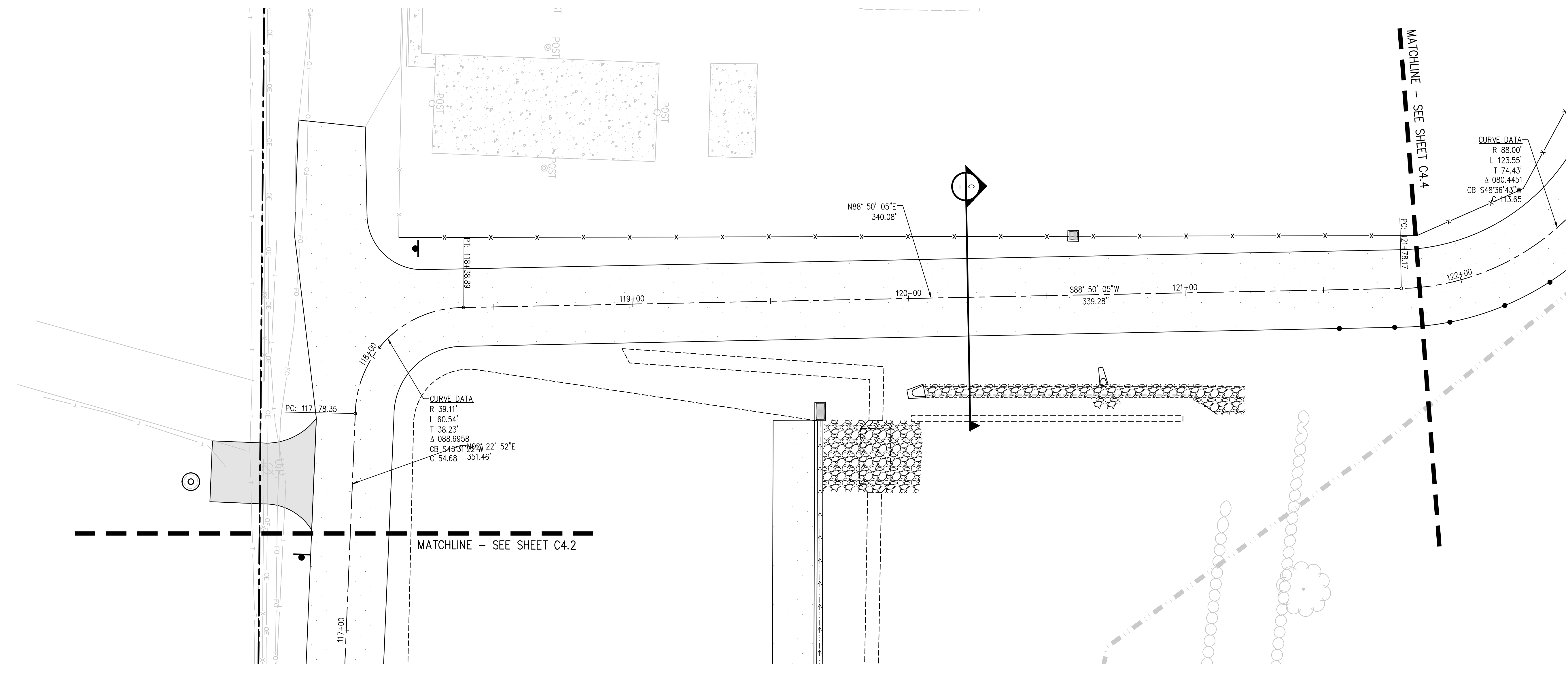


GRAVEL ROAD PLAN
SCALE: 1"=20'

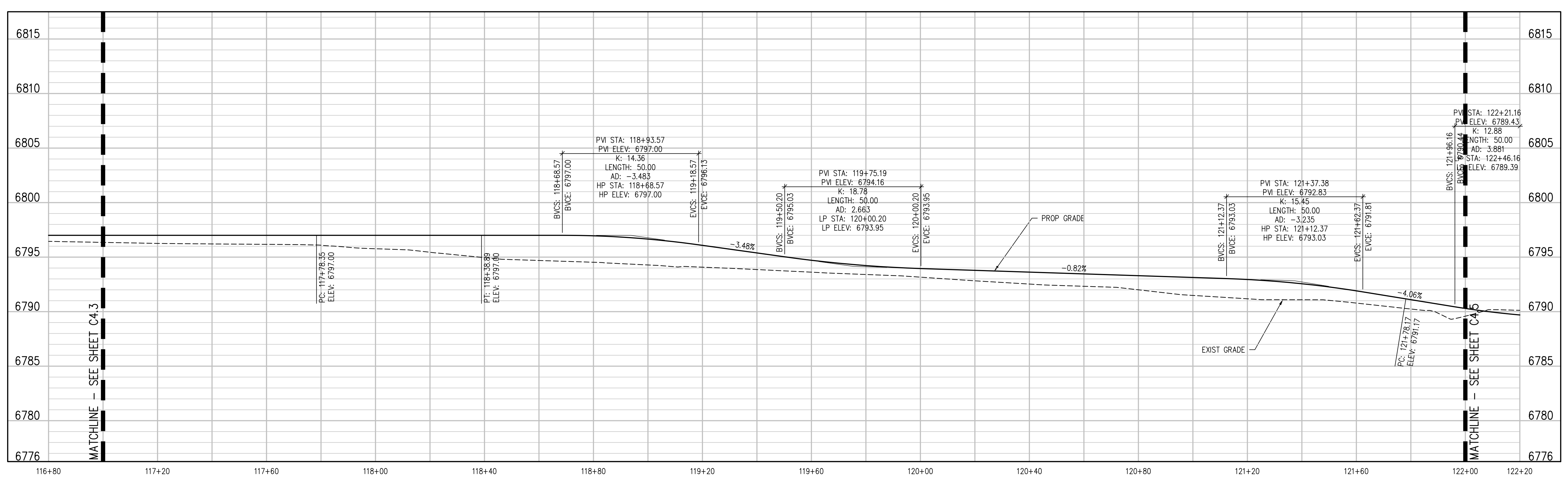
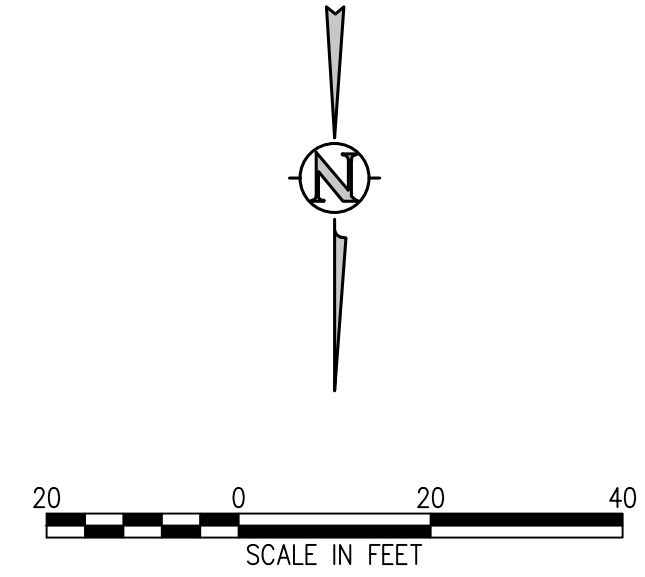


GRAVEL ROAD PROFILE
SCALE: 1"=20' HORIZ
1"=4' VERT

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GRAVEL ROAD PLAN
SCALE: 1"=20'



GRAVEL ROAD PROFILE
SCALE: 1"=20' HORIZ

D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831



SHEET TITLE
GRAVEL ROAD PLAN AND PROFILE

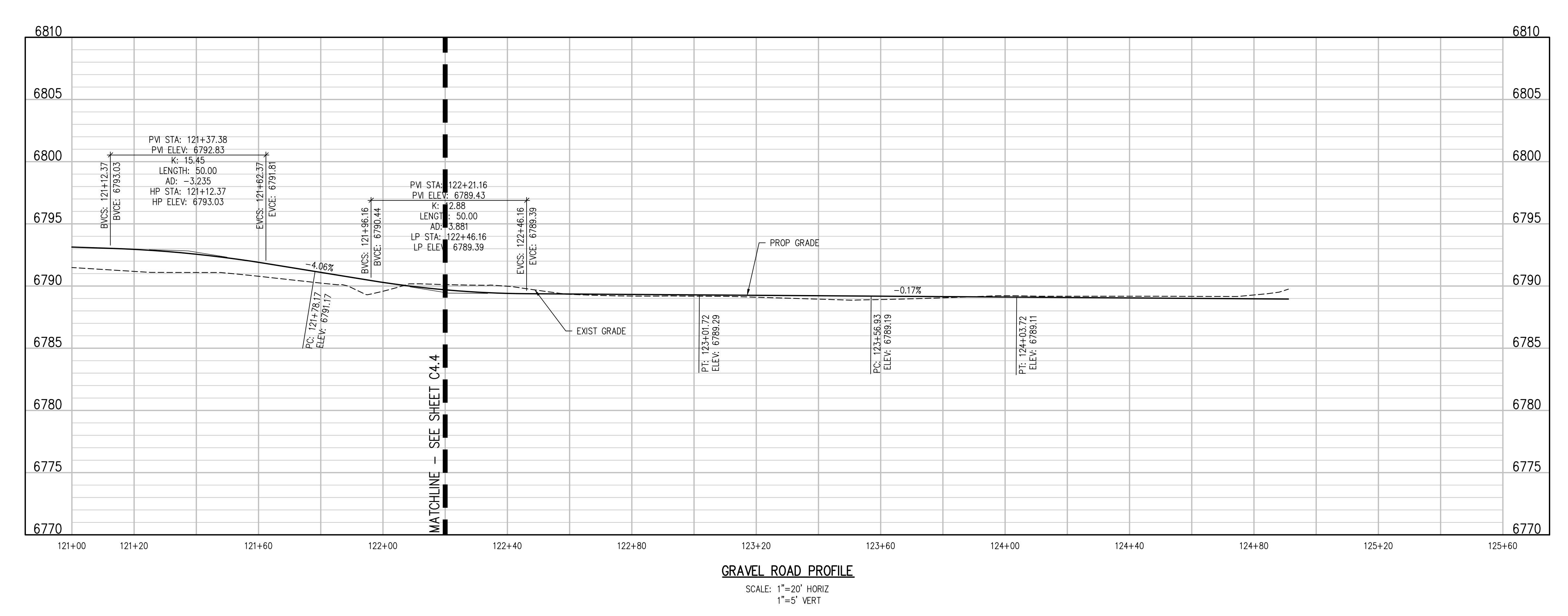
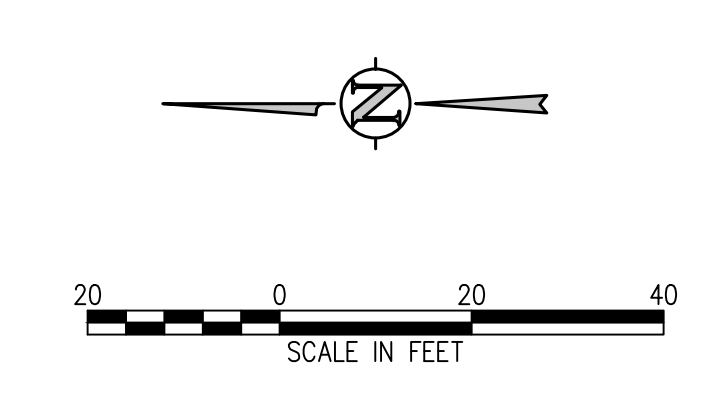
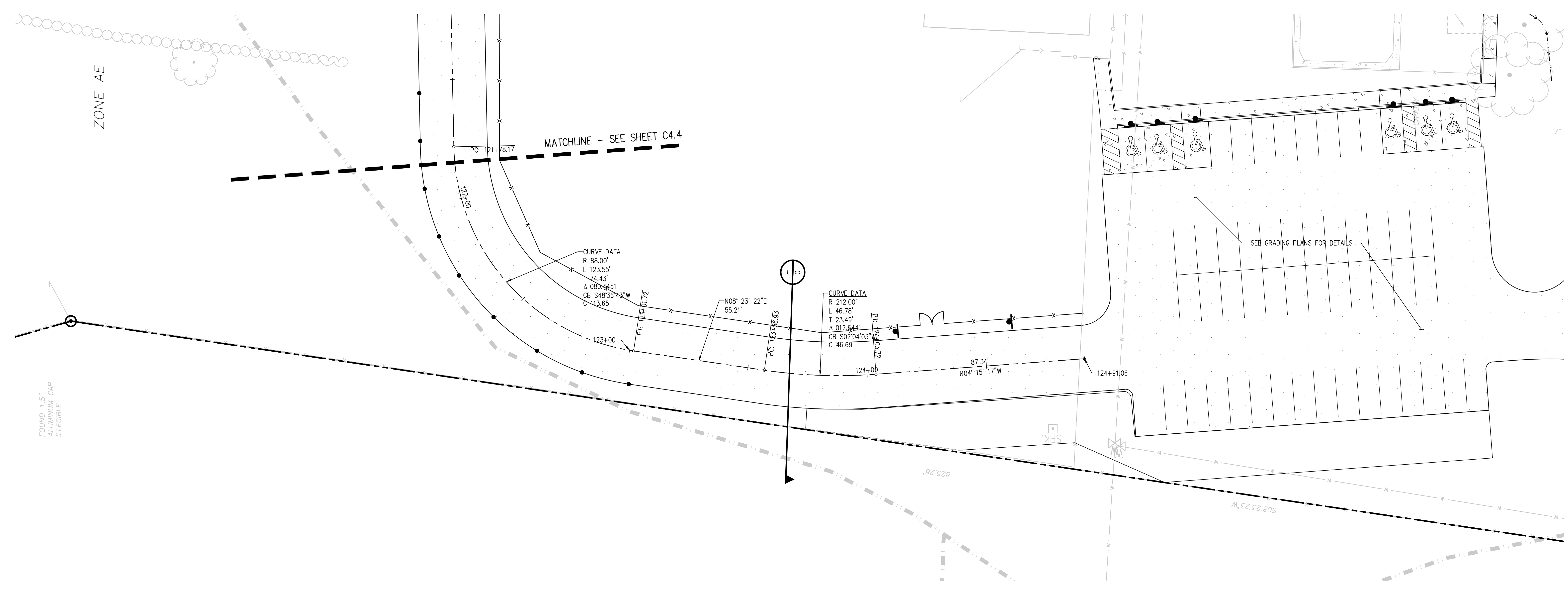
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2021-041.00
DATE
01/25/2023
REVISIONS

#	DATE	DESCRIPTION

DESIGNED BY: **T.W. AMB**
CHECKED BY: **CWK**

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CONSTRUCTION DOCUMENTS
SHEET NO.
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SCHOOL DISTRICT NO 49
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PEYTON, CO 80831



SHEET TITLE
GRAVEL ROAD PLAN AND PROFILE

MTA PROJECT NUMBER
2021-041.00
DATE
01/25/2023

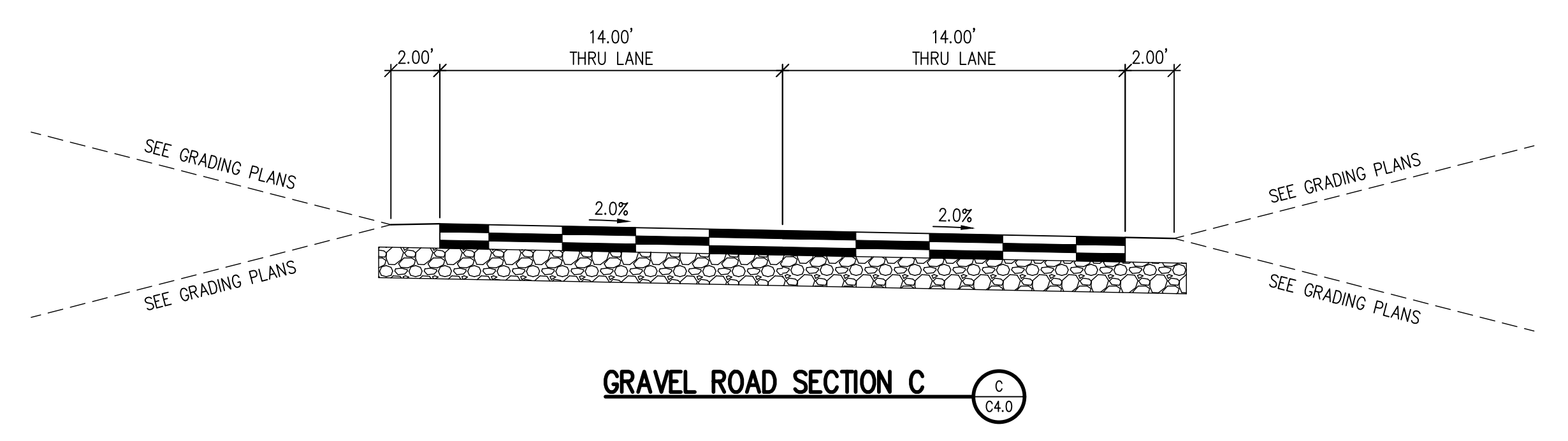
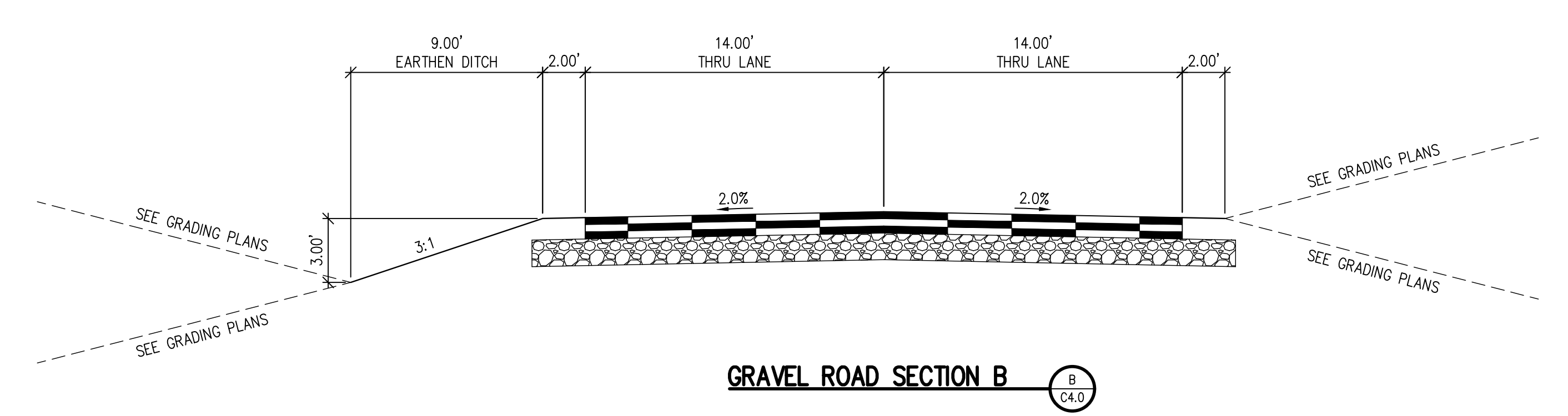
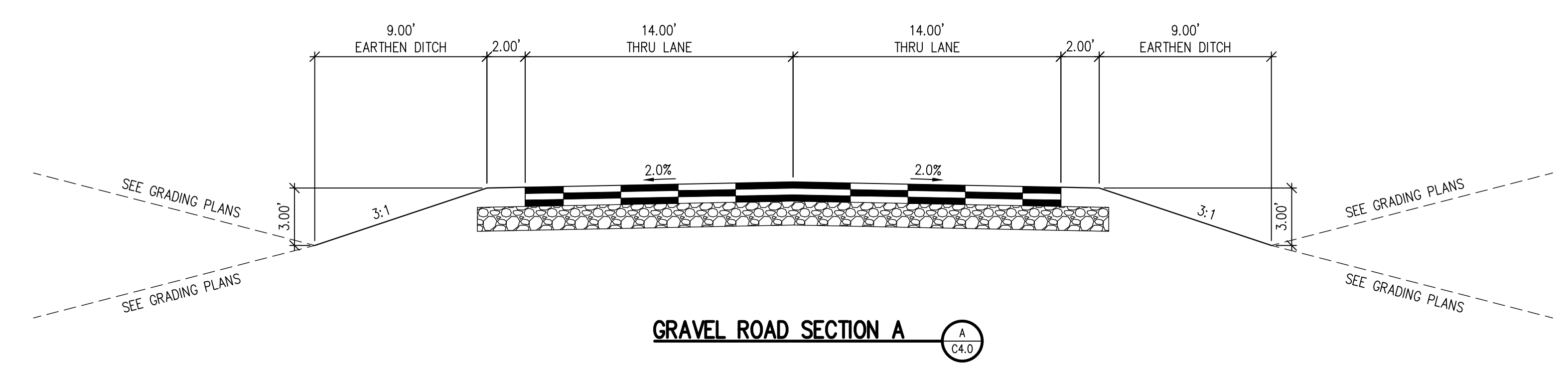
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CHECKED BY: **TWK/AMB**
DATE: **CWK**

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D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
 11971 SWINGLINE ROAD
 PEYTON, CO 80831



SHEET TITLE
GRAVEL ROAD SECTIONS

RTA PROJECT NUMBER
2021-041.00
 DATE
01/25/2023

#	DATE	DESCRIPTION

DESIGN APPROVAL: **CWK/HCM**
 DRAWN BY: **TWK/AMB**
 CHECKED BY: **CWK**

ISSUED FOR
CONSTRUCTION DOCUMENTS
 SHEET NO.
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