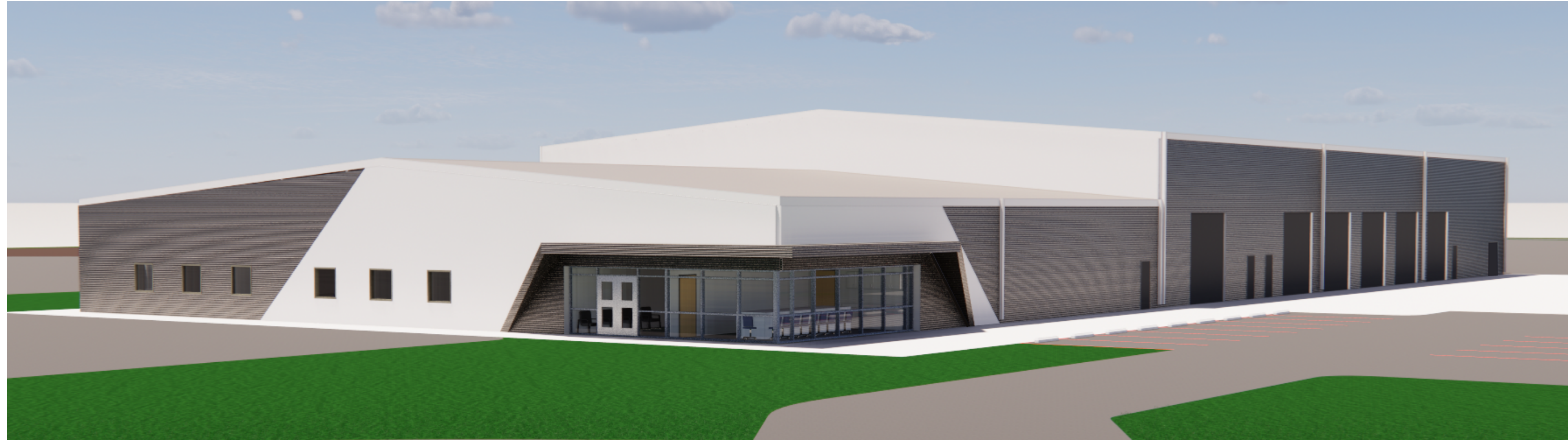


D49 TRANSPORTATION CENTER

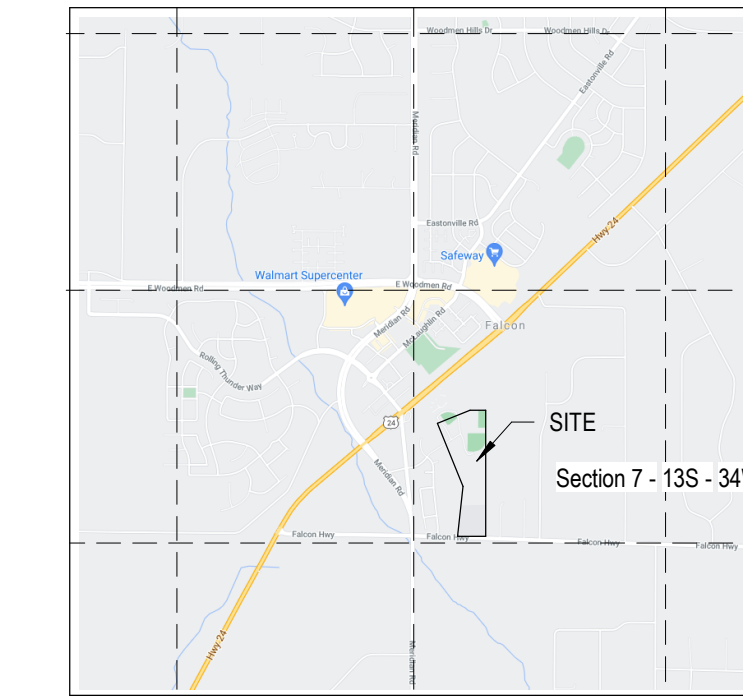
FALCON, CO



LOCATION MAP



VICINITY MAP



PROJECT DATA

OWNER	FALCON SCHOOL DISTRICT NO 49 10650 E WOODMEN RD PEYTON, CO 80831 719-495-1100
APPLICANT	BRUCE BROWN brbrown@49.org RTA ARCHITECTS 19 S TEJON ST SUITE 300 COLORADO SPRINGS, CO 80903 719-471-7566 BRIAN CALHOUN, PRINCIPAL brian@rtarchitects.com PATRICK WARD, PLAN PREPARER patrickw@rtarchitects.com
SCOPE OF WORK:	CONSTRUCTION OF A SCHOOL DISTRICT TRANSPORTATION SUPPORT BUILDING AND GRAVEL BUS PARKING LOT WITH ASSOCIATED SITE WORK, INCLUDING PARKING FOR 175 BUSES, SITE LIGHTING, ACCESS ROAD, PERIMETER FENCE, DETENTION POND AND SITE LANDSCAPING. CONSTRUCTION WILL BE PHASED. PHASE 1 INCLUDES THE BUILDING CORE & SHELL AND SITE WORK. PHASE 1B INCLUDES THE VEHICLE MAINTENANCE BAYS. PHASE 1C INCLUDES THE ADMINISTRATION AREA. PHASE 2 INCLUDES BUILDING AND PARKING LOT EXPANSIONS.
PARCEL SIZE	39.37 ACRES
LEGAL DESCRIPTION	TRACT IN SW4 SEC 07-13-64 DESC AS FOLS, COM AT SW COR OF S3 SEC 7, TH S 88-53'11" E 1548-33 FT, N 08-43'19" W 30.0 FT TO NLY LN OF FALCON HWY FOR POB, CONT N 08-43'19" W 2673.46 FT, S 89-18'15" W 408.01 FT, S 56-42'15" W 132.40 FT, S 49-27'15" W 510.0 FT, S 16-24'19" E 1489.85 FT, S 07-50'10" W 825.38 FT TO NLY LN OF FALCON HWY, TH S 88-53'11" E 600.0 FT TO POB
TAX SCHEDULE NUMBER	430730006
EXISTING LAND USE	EXEMPT POLITICAL SUBDIVISION - EDUCATIONAL
PROPOSED LAND USE	EXEMPT POLITICAL SUBDIVISION - EDUCATIONAL
BUILDING INFORMATION	GROSS AREA: 33,028 SF HEIGHT: 32'-0" STORIES: 1 STORY
LAND PERCENTAGE:	OPEN SPACE: 15% LANDSCAPING: 5% IMPERMEABLE SURFACE: 5%
SETBACKS	FRONT 25'-0", REAR 25'-0", SIDE 25'-0"
ZONING DISTRICT	RR-5
PARKING CALCULATIONS:	SEE SITE PLANS

Delete this sheet.

SITE DEVELOPMENT PLANS

OWNER

SCHOOL DISTRICT 49
10650 E WOODMEN ROAD
PEYTON, CO 80831
(P) 719-495-1100
(F)
CONTACT: MELISSA ANDREWS, BRUCE BROWN
mandrews@49.org, brbrown@49.org

CIVIL ENGINEER/ SURVEYOR

JVA, INCORPORATED
47 COOPER CREEK WAY, SUITE 328
WINTER PARK, CO 80482
(P) 303-444-1951
(F)
CONTACT: COOPER KARSH

LANDSCAPE ARCHITECT

KIMLEY-HORN
2 NORTH NEVADA AVENUE
COLORADO SPRINGS, CO 80903
(P) 719-453-0180
(F)
CONTACT: JIM HOUCK

ARCHITECT / APPLICANT

RTA ARCHITECTS
19 SOUTH TEJON STREET, SUITE 300
COLORADO SPRINGS, CO 80903
(P) 719-471-7566
(F) 719-471-1174
CONTACT: BRIAN CALHOUN, PRINCIPAL brian@rtarchitects.com
PATRICK WARD, PLAN PREPARER patrickw@rtarchitects.com

MECHANICAL/ PLUMBING ENGINEER

ME-ENGINEERS
1125 KELLY JOHNSON BLVD, SUITE 301
COLORADO SPRINGS, CO 80920
(P) 719-536-0036
(F)
CONTACT: JEREMY O'BRIEN

STRUCTURAL ENGINEER

JVA, INCORPORATED
1675 LARIMER STREET, SUITE 550
DENVER, CO 80202
(P) 303-444-1951
(F)
CONTACT: KATIE COURTRIGHT

ELECTRICAL ENGINEER

ME-ENGINEERS
1125 KELLY JOHNSON BLVD, SUITE 301
COLORADO SPRINGS, CO 80920
(P) 719-536-0036
(F)
CONTACT: JEREMY O'BRIEN



19 SOUTH TEJON ST., SUITE 300
COLORADO SPRINGS, CO, 80903
TELE: 719-471-7566
FAX: 719-471-1174
www.rtaarchitects.com

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

GENERAL INFORMATION

DATE PROJECT NUMBER
2021-041.00
DATE
9/23/2022

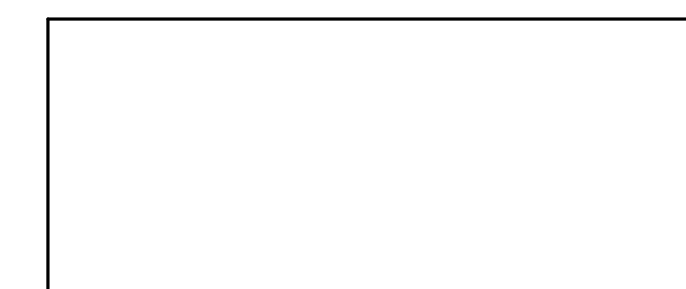
REVISIONS

#	DATE	DESCRIPTION

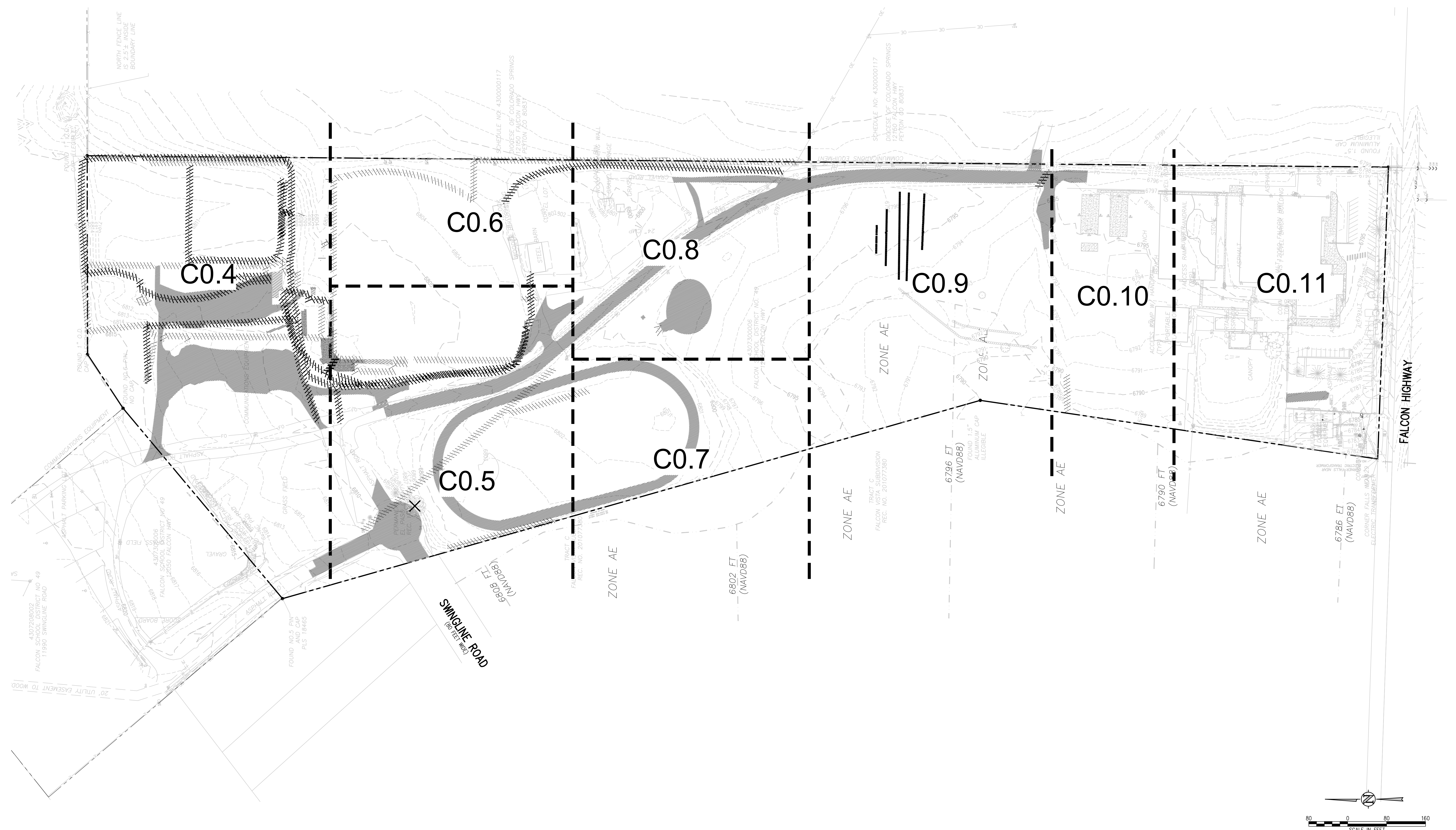
DATE APPROVAL: **Approver**
DRAWN BY: **Author**
CHECKED BY: **Checker**

ISSUED FOR:
DEVELOPMENT PLAN
SHEET NO.
DP-00

SIGNATURE BLOCK



Planning and Community Development Director



DEMOLITION NOTES:

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DEMOLITION LEGEND

	DEMO SUBSURFACE FEATURE
	DEMO SURFACE FEATURE
	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
OVERALL DEMOLITION PLAN

WTA PROJECT NUMBER
2021-041-00

DATE
09/20/2022

#	DATE	DESCRIPTION

DESIGNED BY: **WIK/HCM**
CHECKED BY: **TW/AHB**
DATE FOR CONSTRUCTION DOCUMENTS: **09/20/2022**

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



SHEET TITLE
DEMOLITION PLAN A

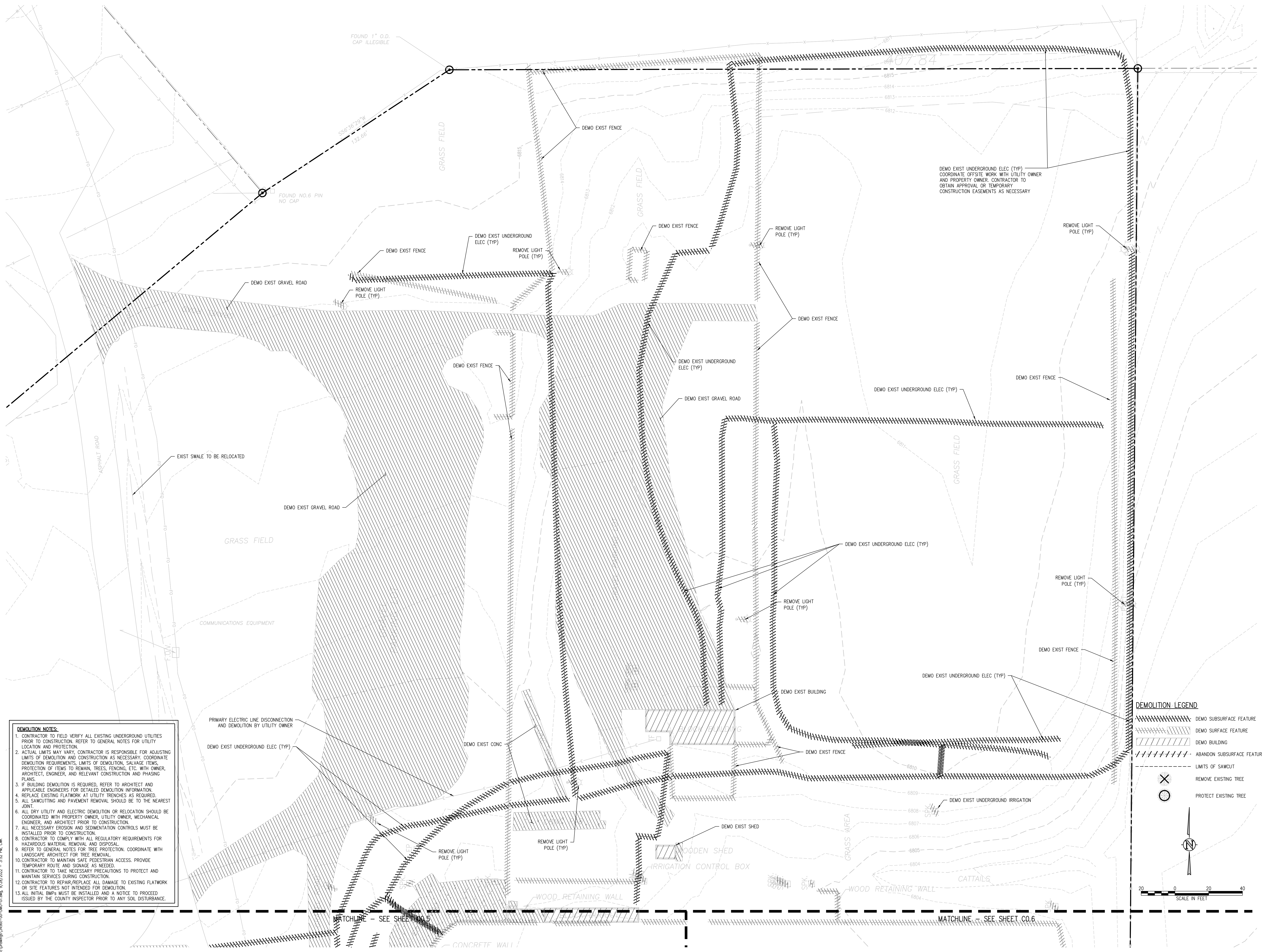
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2021-041.00

DATE REVISIONS
09/20/2022

#	DATE	DESCRIPTION
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CHECKED BY: **TWW/AMB**
DATE: **CWK**

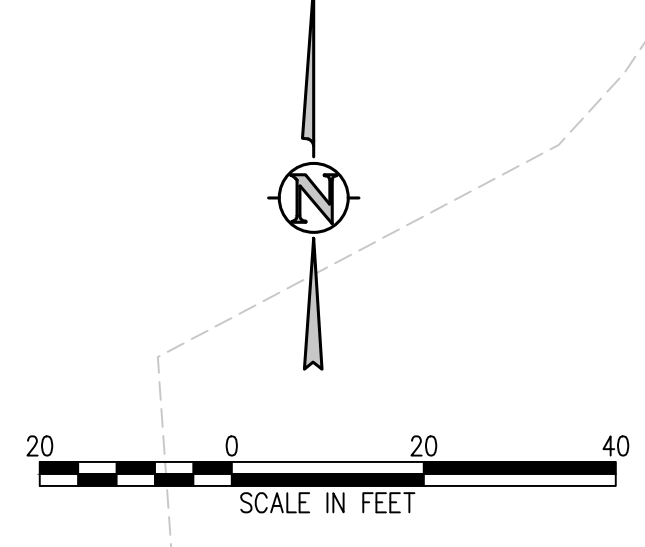
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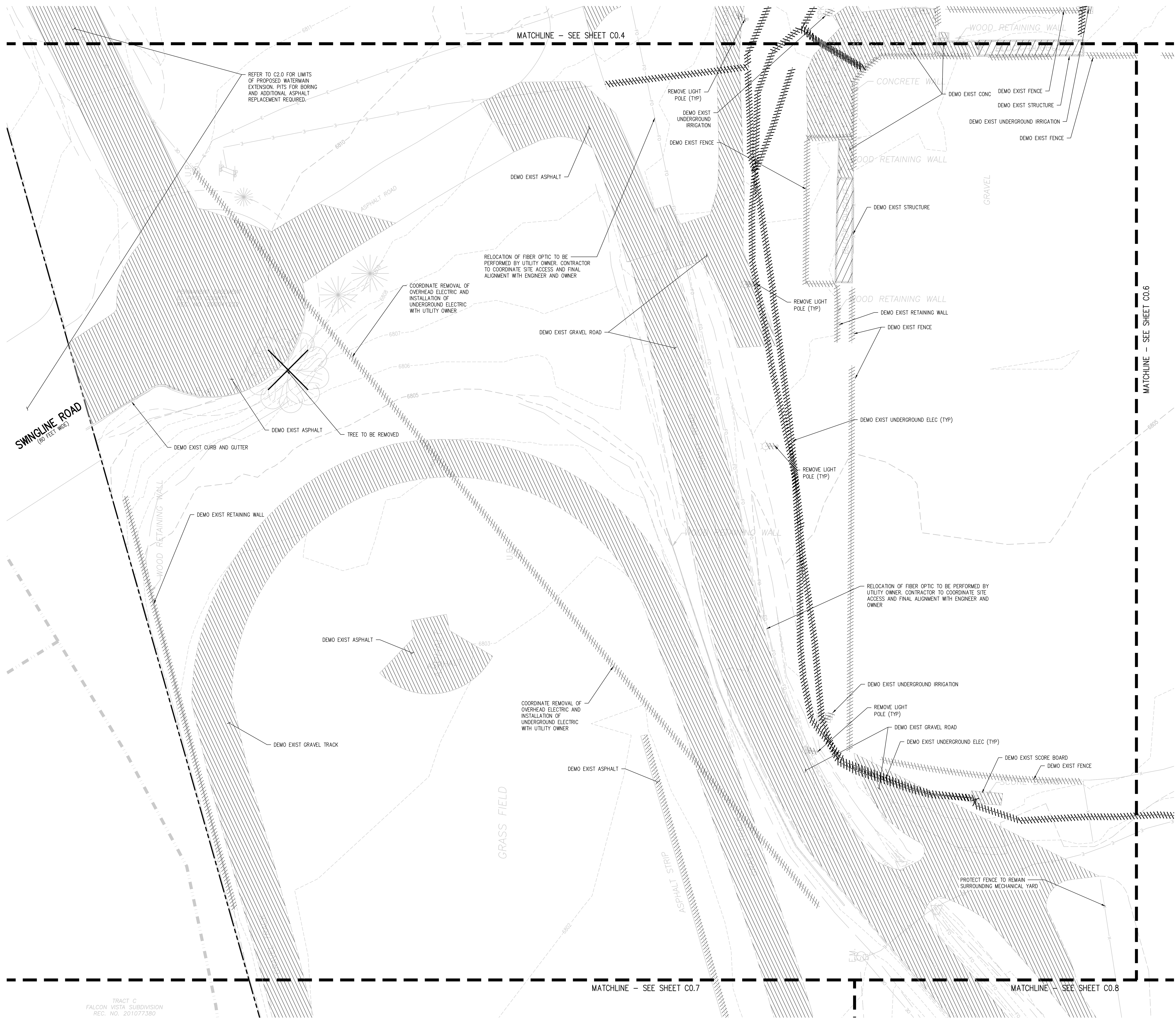
DEMOLITION LEGEND

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



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

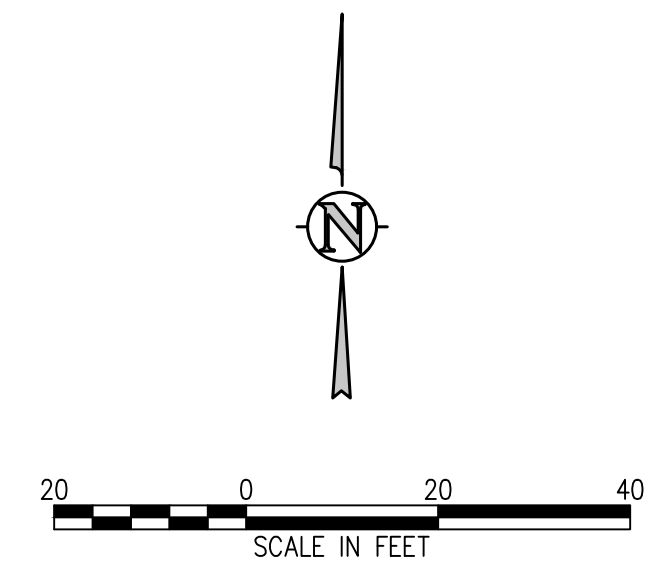


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	DEMO BUILDING
	ABANDON SUBSURFACE FEATURE
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	REMOVE EXISTING TREE
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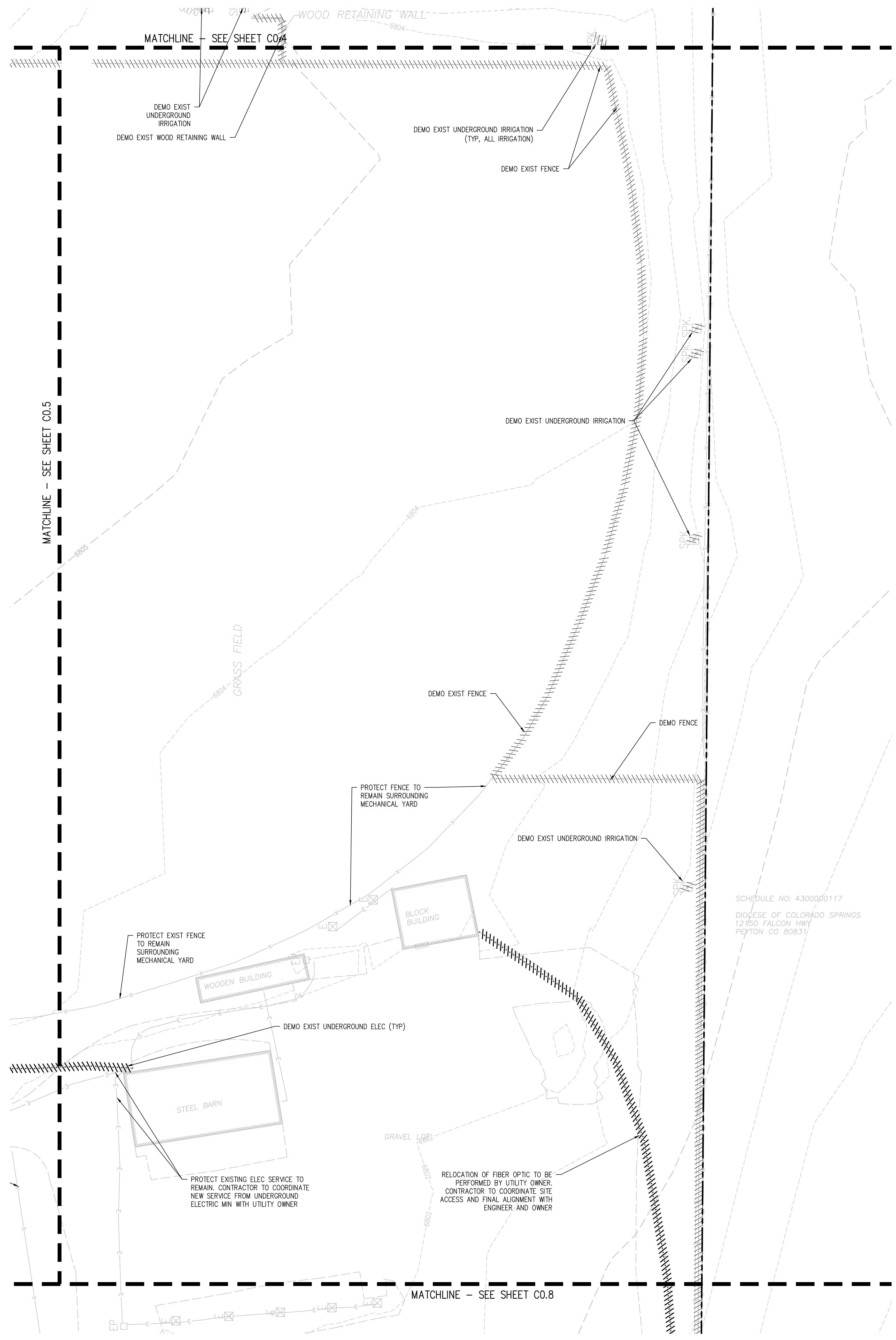
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FALCON VISTA SUBDIVISION
REC. NO. 201077380



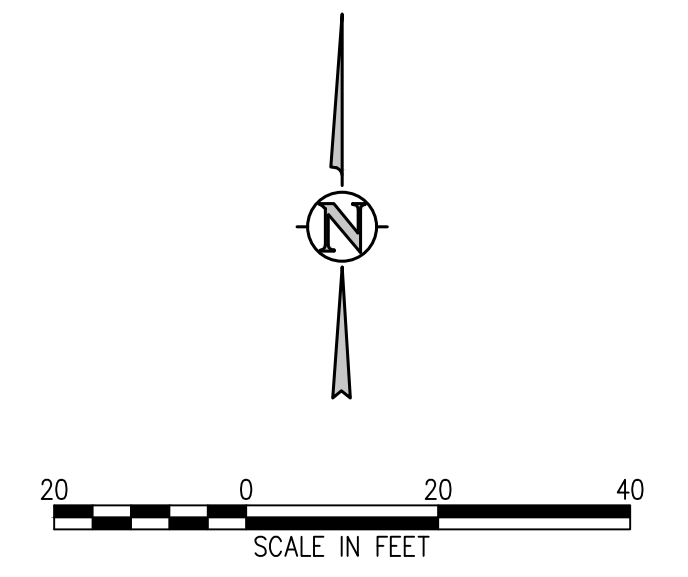
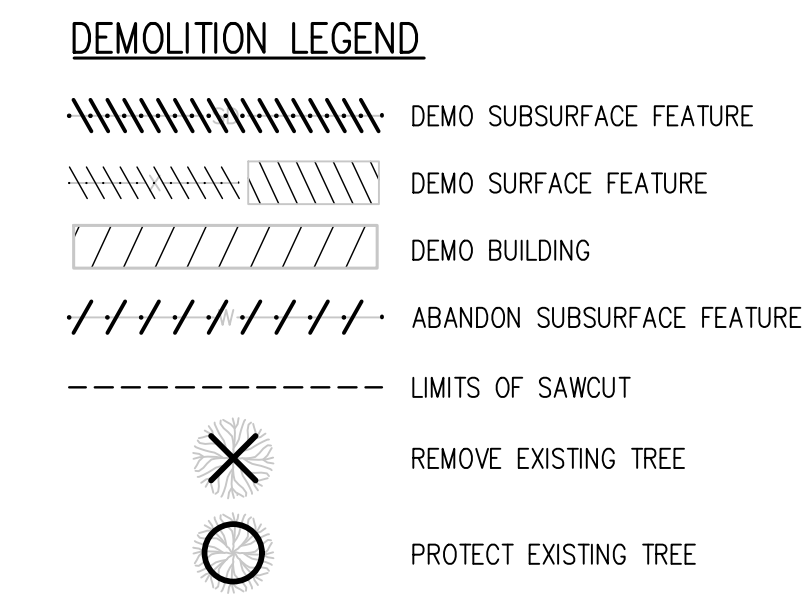
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SHEET TITLE: DEMOLITION PLAN B
WTA PROJECT NUMBER: 2021-041.00
DATE: 09/20/2022

#	DATE	DESCRIPTION

ISSUED FOR CONSTRUCTION DOCUMENTS
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- DEMOLITION NOTES:**
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SHEET TITLE
DEMOLITION PLAN C

WTA PROJECT NUMBER
2021-041-00
DATE
09/20/2022

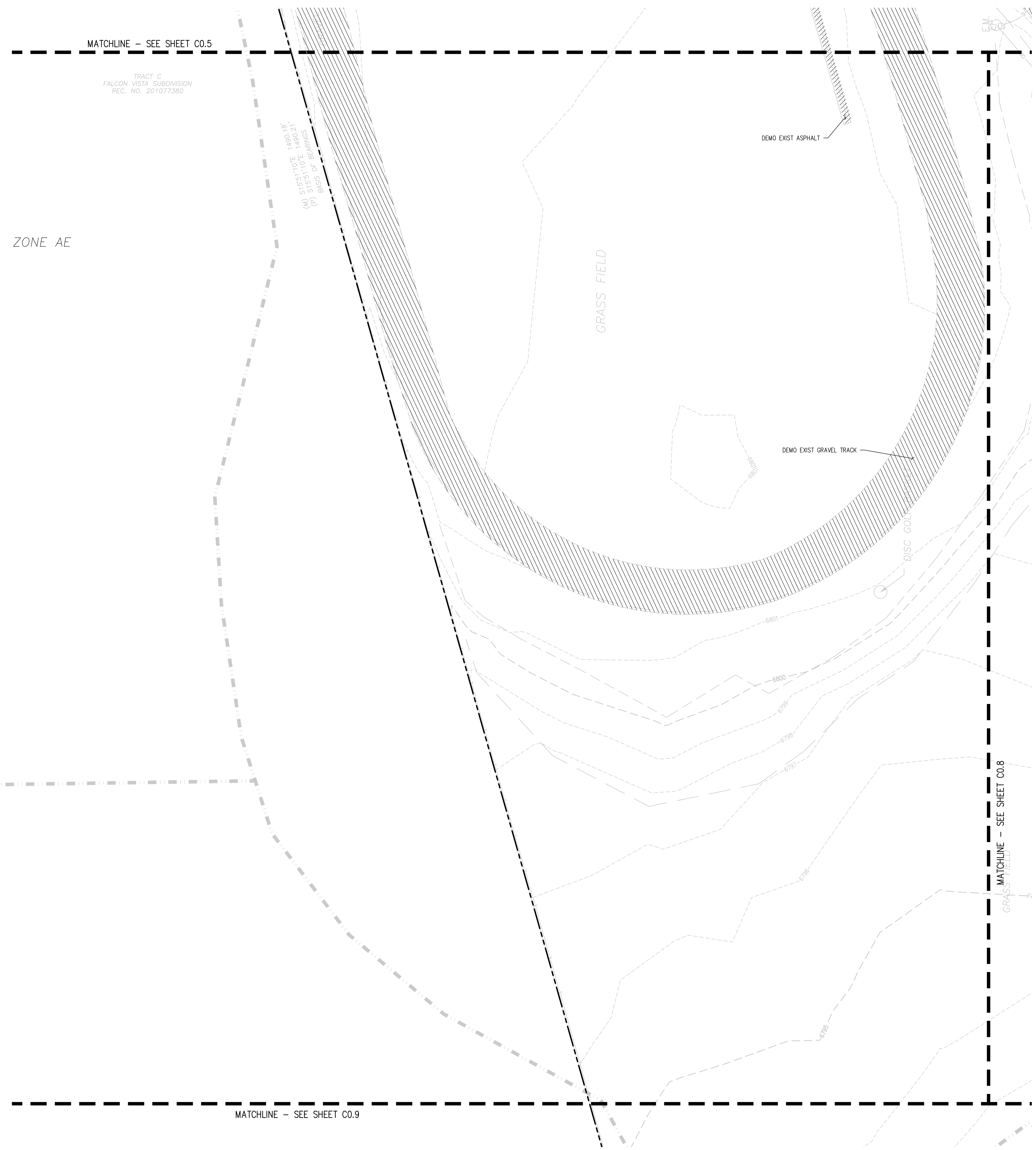
REVISIONS

#	DATE	DESCRIPTION

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

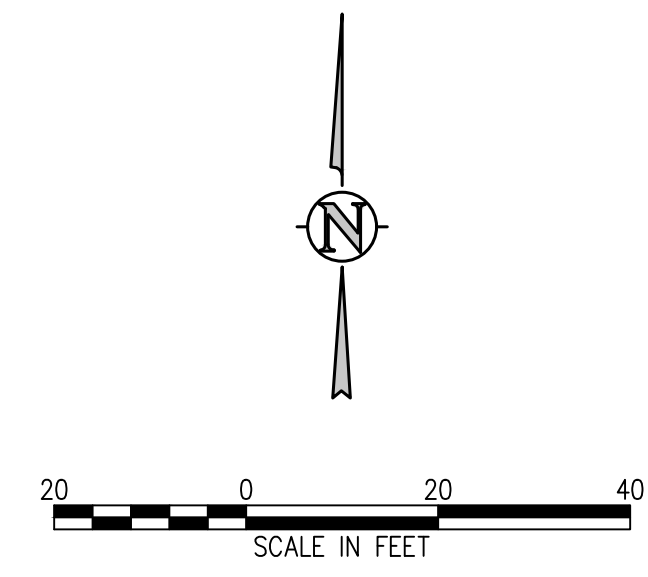
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CONSTRUCTION DOCUMENTS
SHEET NO.
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- DEMOLITION LEGEND**
- DEMO SUBSURFACE FEATURE
 - DEMO SURFACE FEATURE
 - DEMO BUILDING
 - ABANDON SUBSURFACE FEATURE
 - LIMITS OF SAWCUT
 - REMOVE EXISTING TREE
 - PROTECT EXISTING TREE



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



SHEET TITLE
DEMOLITION PLAN D

ITA PROJECT NUMBER
2021-041.00
 DATE
09/20/2022

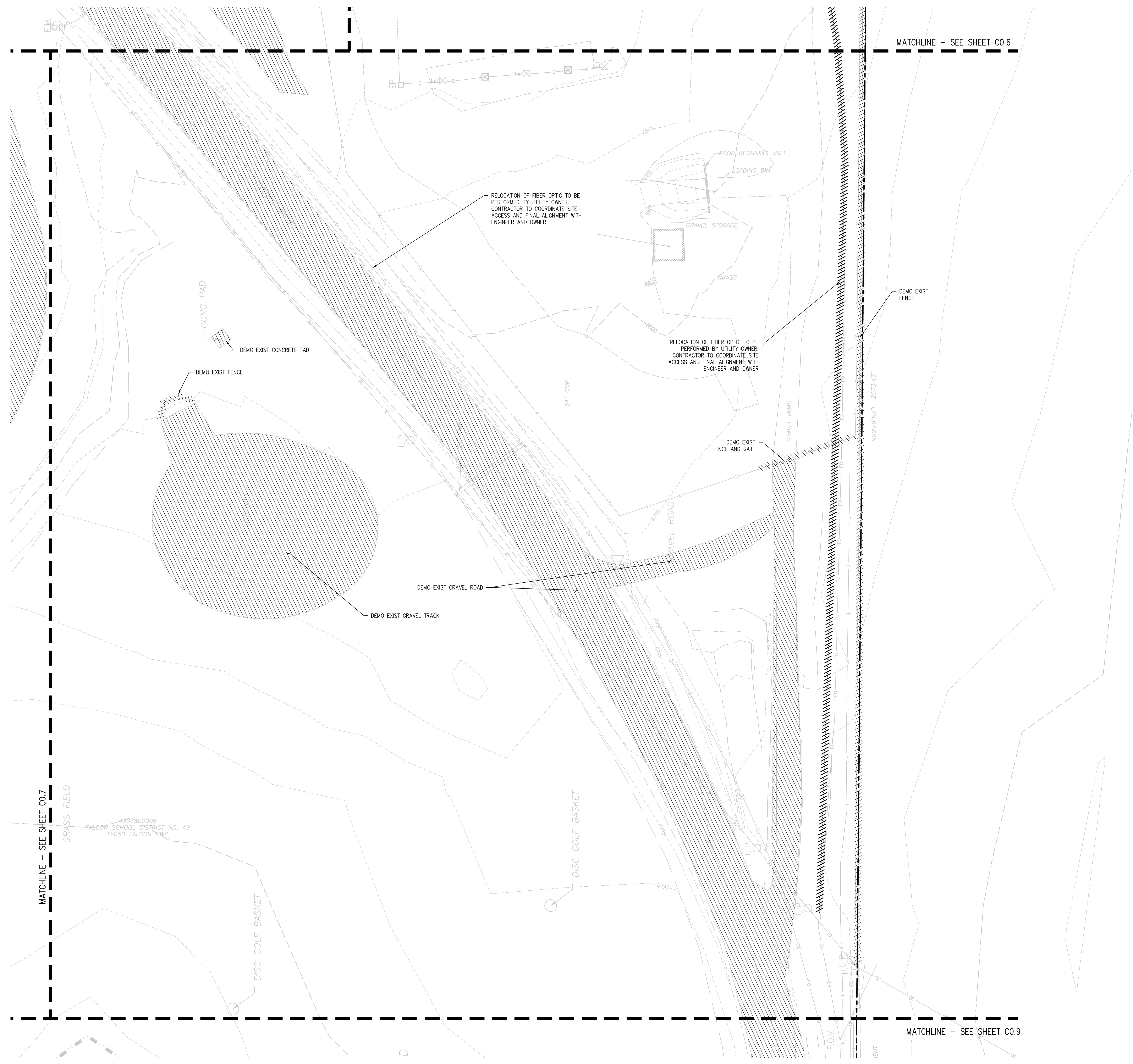
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DESIGNED BY: **CWK/HCM**
 CHECKED BY: **TWK/AMB**
 DRAWN BY: **CWK**

ISSUED FOR
CONSTRUCTION DOCUMENTS

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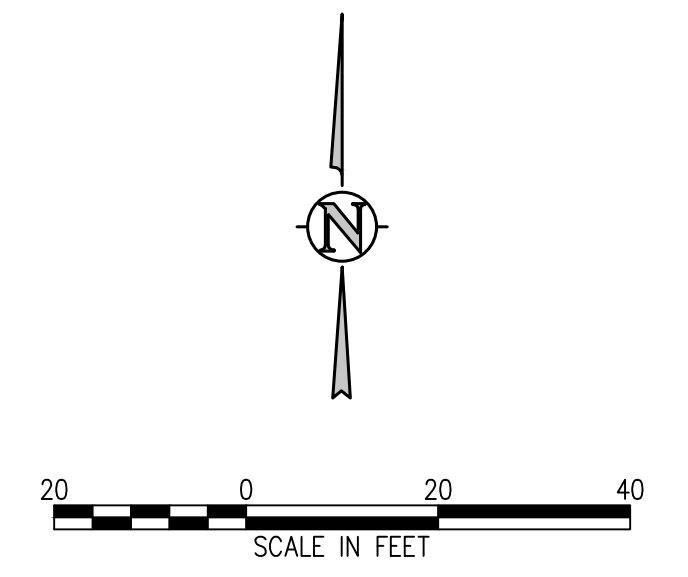
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DEMOLITION LEGEND

	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 E

WTA PROJECT NUMBER
2021-041.00

DATE
09/20/2022

REVISIONS

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

ISSUED FOR
CONSTRUCTION DOCUMENTS

C0.8

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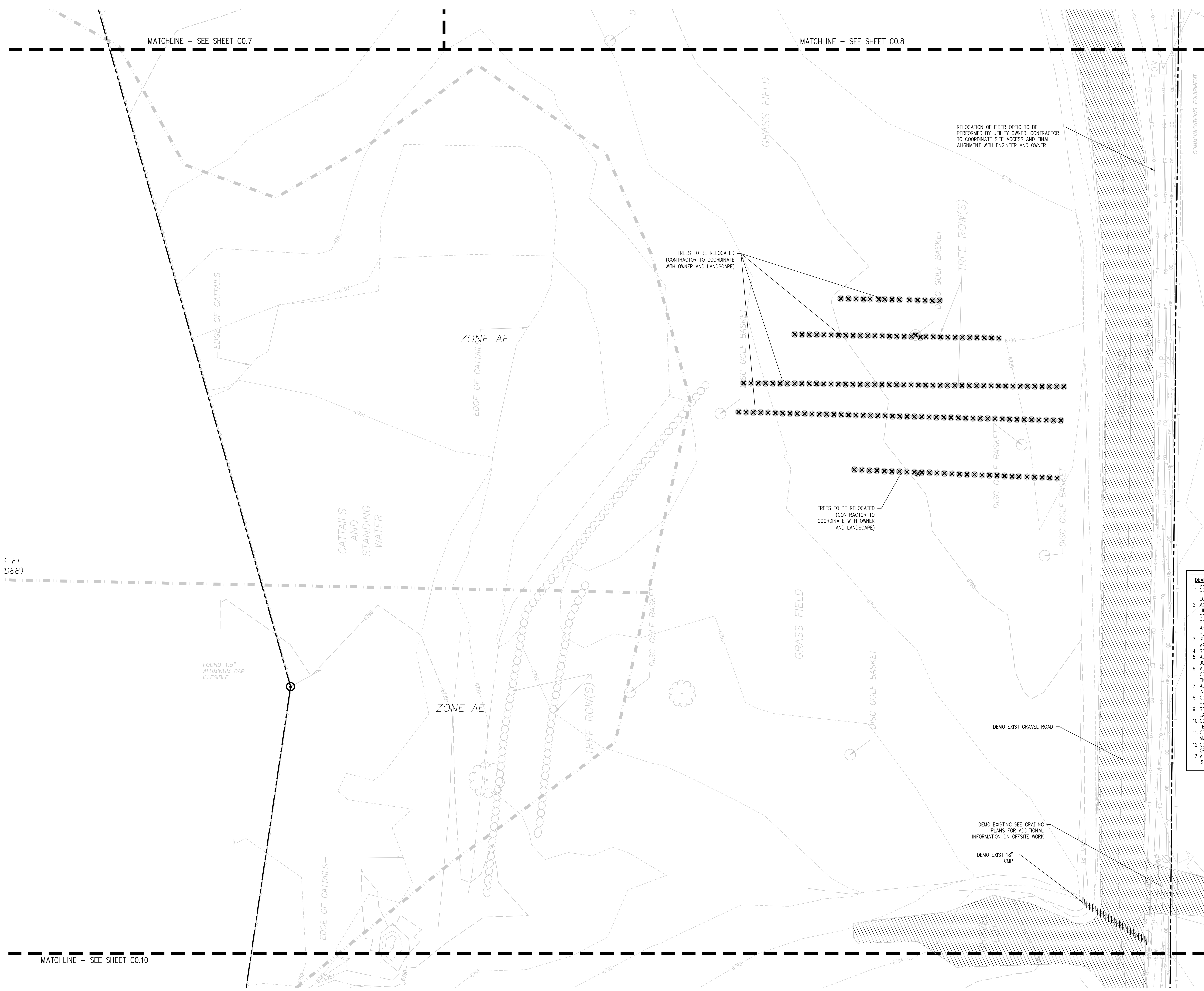
D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
 11971 SWINGLINE ROAD
 PEYTON, CO 80831



DEMOLITION PLAN F

DATE: 09/20/2022
 PROJECT NUMBER: 2021-041.00

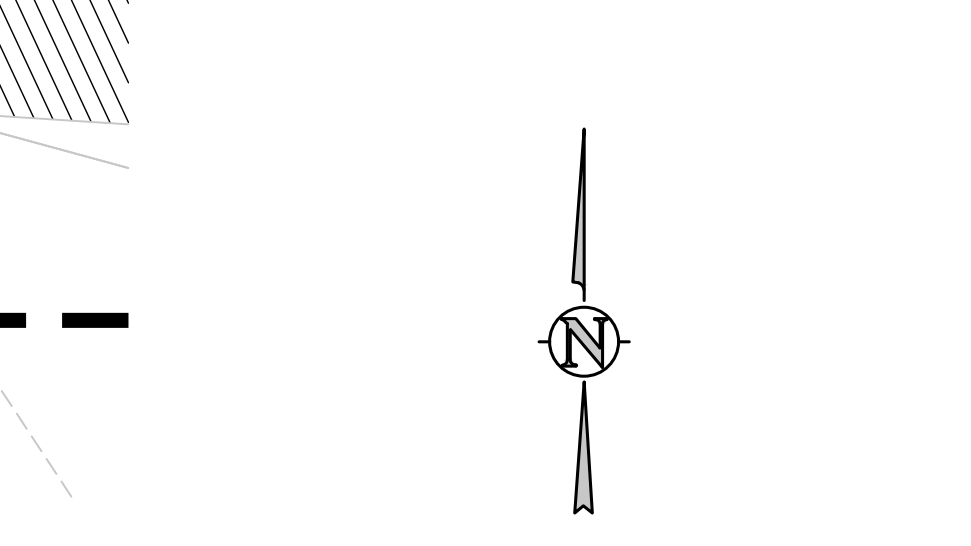
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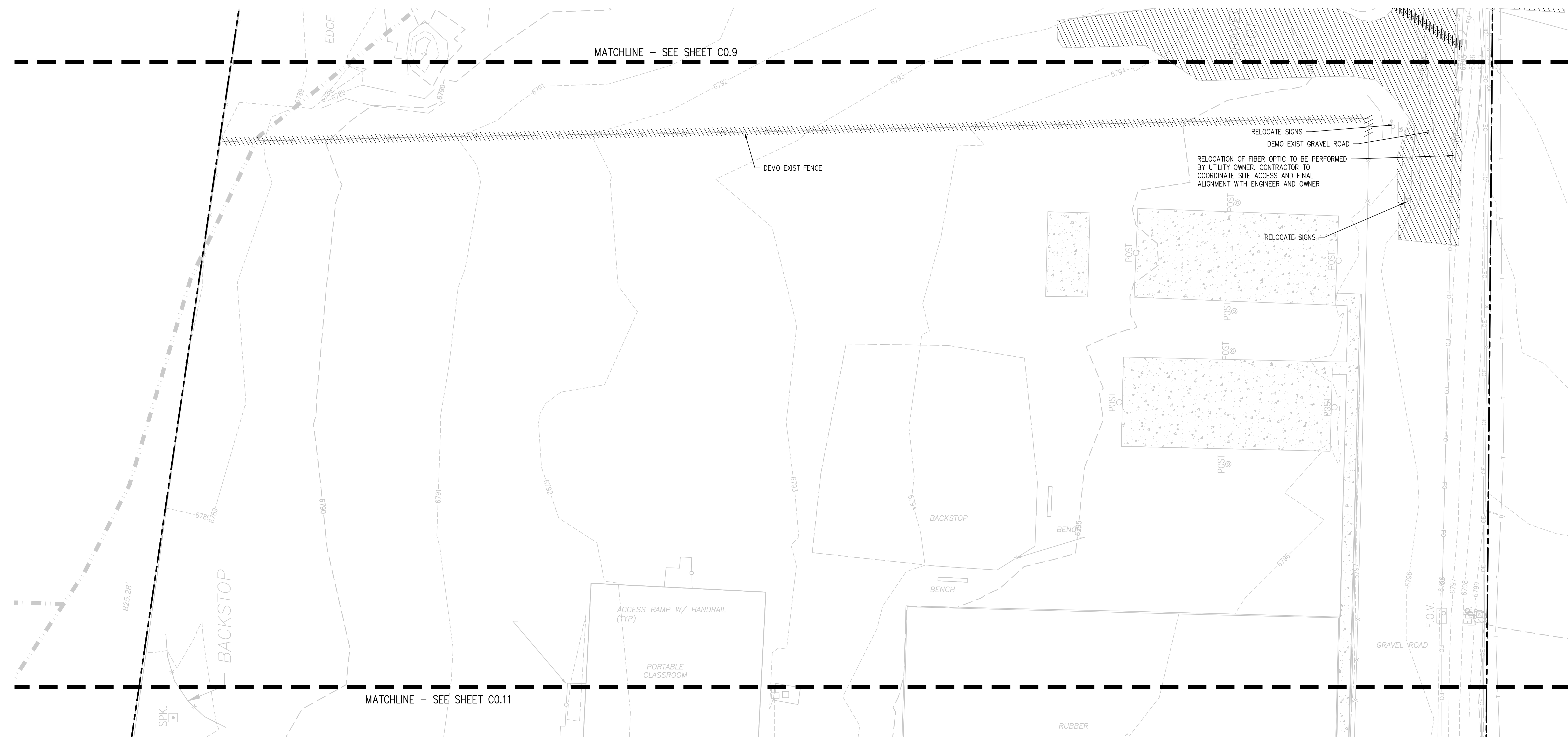
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 - ALL SAWCUTTING AND PAVEMENT REMOVAL SHOULD BE TO THE NEAREST JOINT.
 - ALL DRY UTILITY AND ELECTRIC DEMOLITION OR RELOCATION SHOULD BE COORDINATED WITH PROPERTY OWNER, UTILITY OWNER, MECHANICAL ENGINEER, AND ARCHITECT PRIOR TO CONSTRUCTION.
 - ALL 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

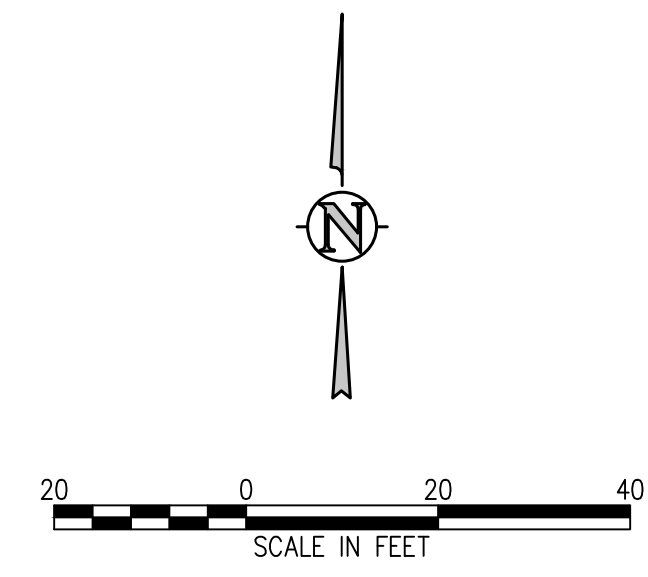


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- DEMOLITION NOTES:**
- CONTRACTOR TO FIELD VERIFY ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. REFER TO GENERAL NOTES FOR UTILITY LOCATION AND PROTECTION.
 - ACTUAL LIMITS MAY VARY. CONTRACTOR IS RESPONSIBLE FOR ADJUSTING LIMITS OF DEMOLITION 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.
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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



DEMOLITION PLAN G

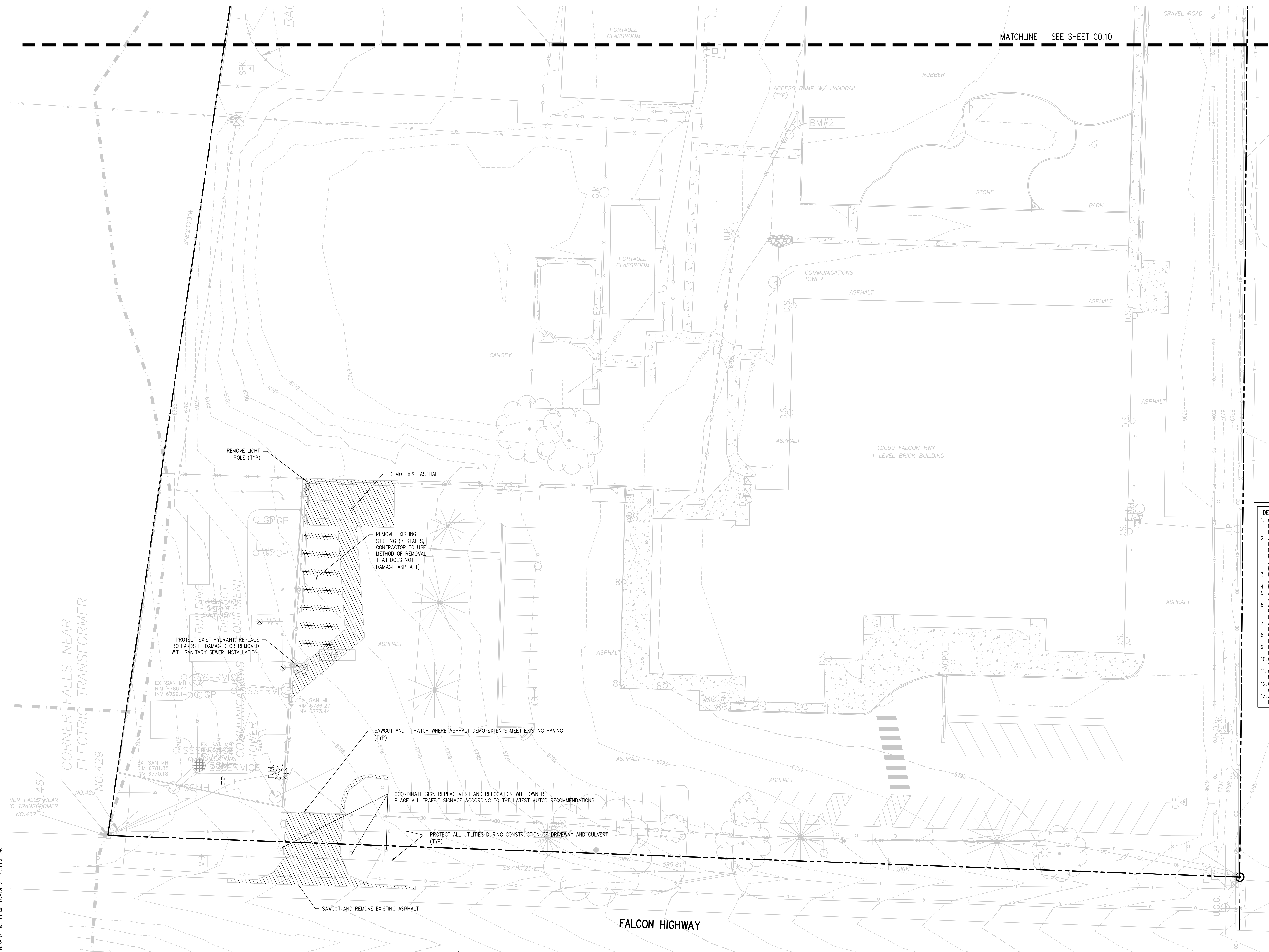
PROJECT NUMBER: **2021-041.00**
DATE: **09/20/2022**

NO.	DATE	DESCRIPTION

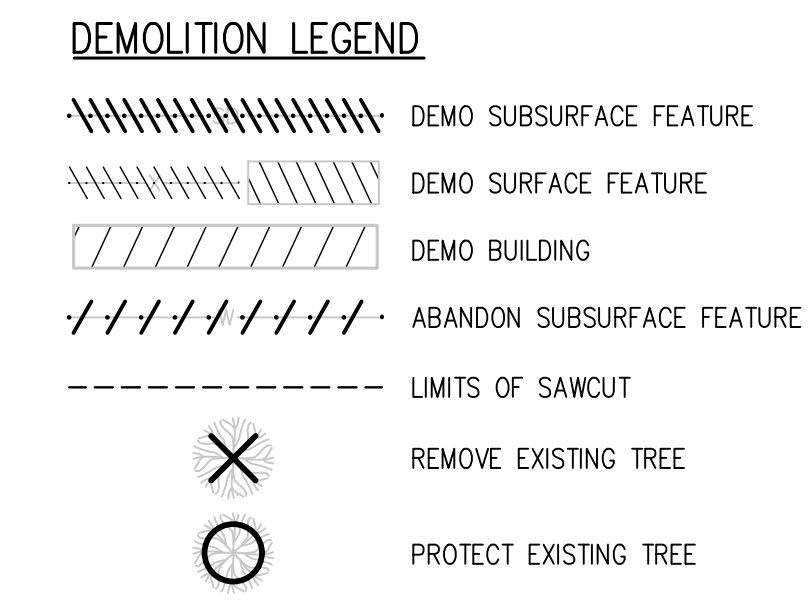
DESIGNED BY: **CWK/HCM**
DRAWN BY: **TWK/AMB**
CHECKED BY: **CWK**

ISSUED FOR: **CONSTRUCTION DOCUMENTS**

C0.10



- DEMOLITION NOTES:**
1. CONTRACTOR TO FIELD VERIFY ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. REFER TO GENERAL NOTES FOR UTILITY LOCATION AND PROTECTION.
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 7. ALL NECESSARY EROSION AND SEDIMENTATION CONTROLS MUST BE INSTALLED PRIOR TO CONSTRUCTION.
 8. CONTRACTOR TO COMPLY WITH ALL REGULATORY REQUIREMENTS FOR HAZARDOUS MATERIAL REMOVAL AND DISPOSAL.
 9. REFER TO GENERAL NOTES FOR TREE PROTECTION. COORDINATE WITH LANDSCAPE ARCHITECT FOR TREE REMOVAL.
 10. CONTRACTOR TO MAINTAIN SAFE PEDESTRIAN ACCESS. PROVIDE TEMPORARY ROUTE AND SIGNAGE AS NEEDED.
 11. CONTRACTOR TO TAKE NECESSARY PRECAUTIONS TO PROTECT AND MAINTAIN SERVICES DURING CONSTRUCTION.
 12. CONTRACTOR TO REPAIR/REPLACE ALL DAMAGE TO EXISTING FLATWORK OR SITE FEATURES NOT INTENDED FOR DEMOLITION.
 13. ALL INITIAL BMPs MUST BE INSTALLED AND A NOTICE TO PROCEED ISSUED BY THE COUNTY INSPECTOR PRIOR TO ANY SOIL DISTURBANCE.



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



PROJECT TITLE
**DEMOLITION
PLAN H**

DATE PROJECT NUMBER
09/20/2022
2021-041.00

REVISIONS

#	DATE	DESCRIPTION

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

ISSUED FOR
**CONSTRUCTION
DOCUMENTS**

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



INITIAL
EROSION
CONTROL PLAN
A

WTA PROJECT NUMBER
2021-041.00

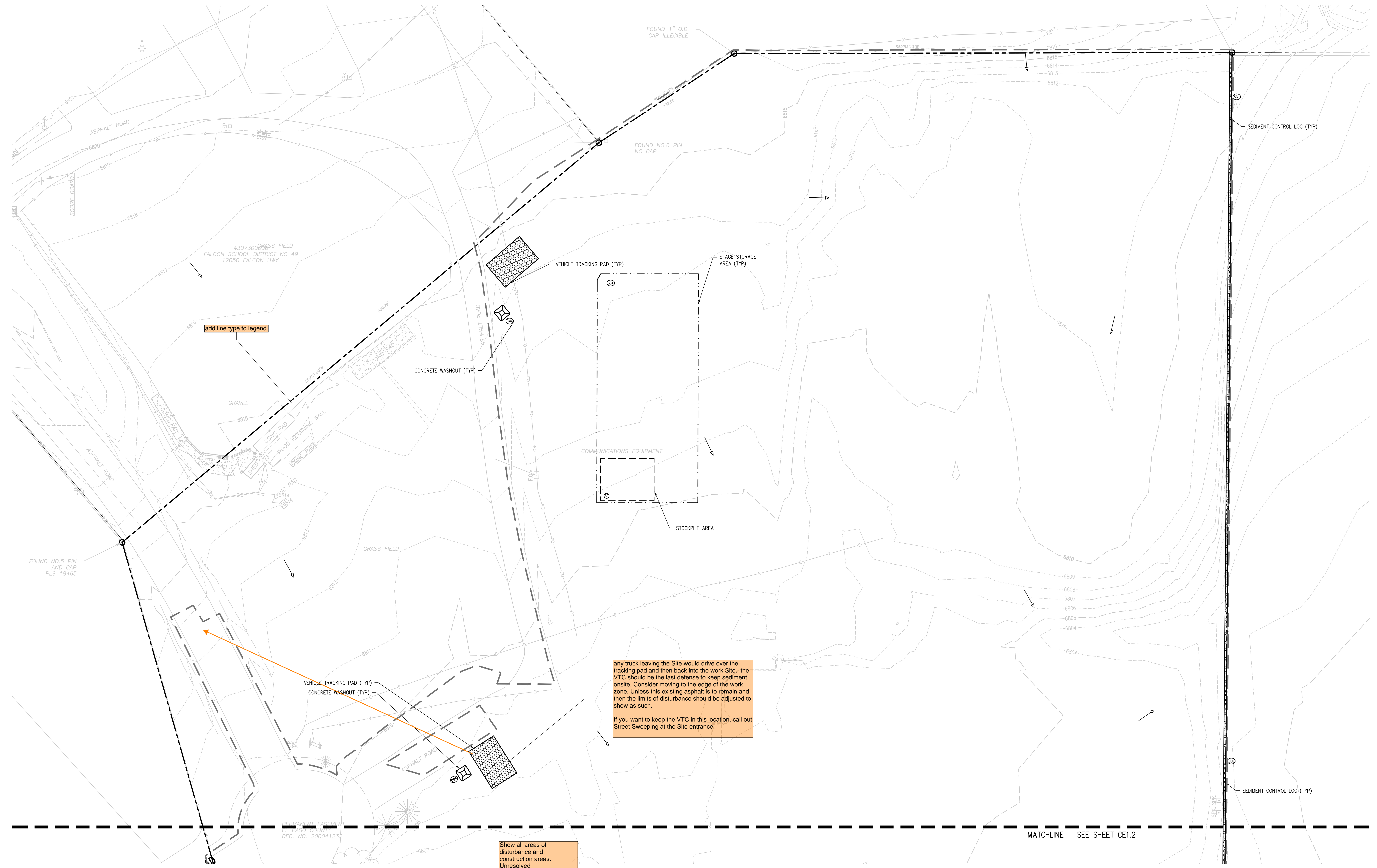
DATE
09/20/2022

REVISIONS

#	DATE	DESCRIPTION

DESIGNED BY: **TKW/HMB**
CHECKED BY: **TKW**
DATE FOR CONSTRUCTION DOCUMENTS: **09/20/2022**

CE1.1



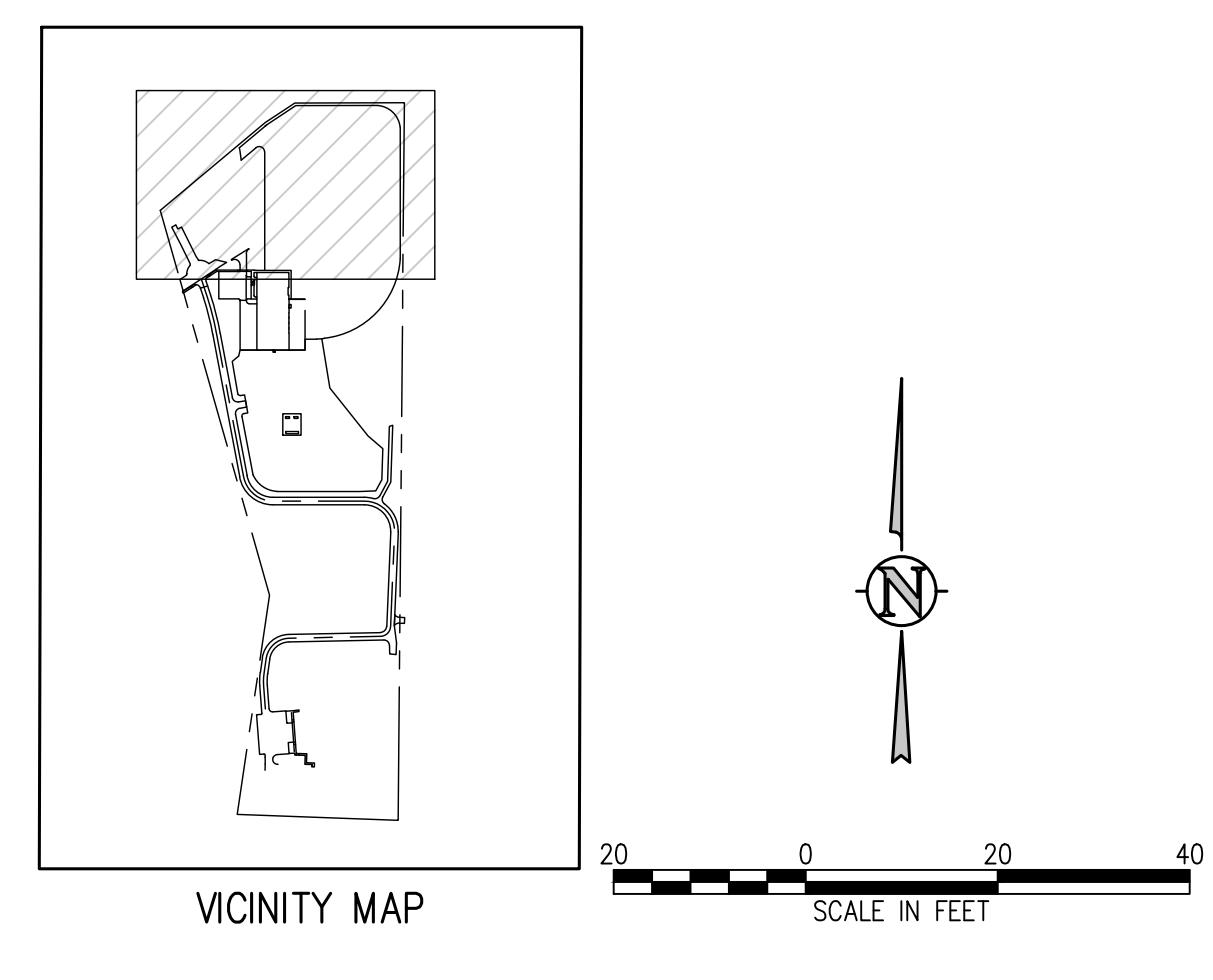
Show all areas of disturbance and construction areas. Unresolved

EROSION AND SEDIMENTATION NOTES:

- CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL CONTROLS DURING INITIAL, INTERIM, AND FINAL CONDITIONS.
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EROSION CONTROL LEGEND

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



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



SHEET TITLE
**INITIAL
EROSION
CONTROL PLAN
B**

WTA PROJECT NUMBER
2021-041.00

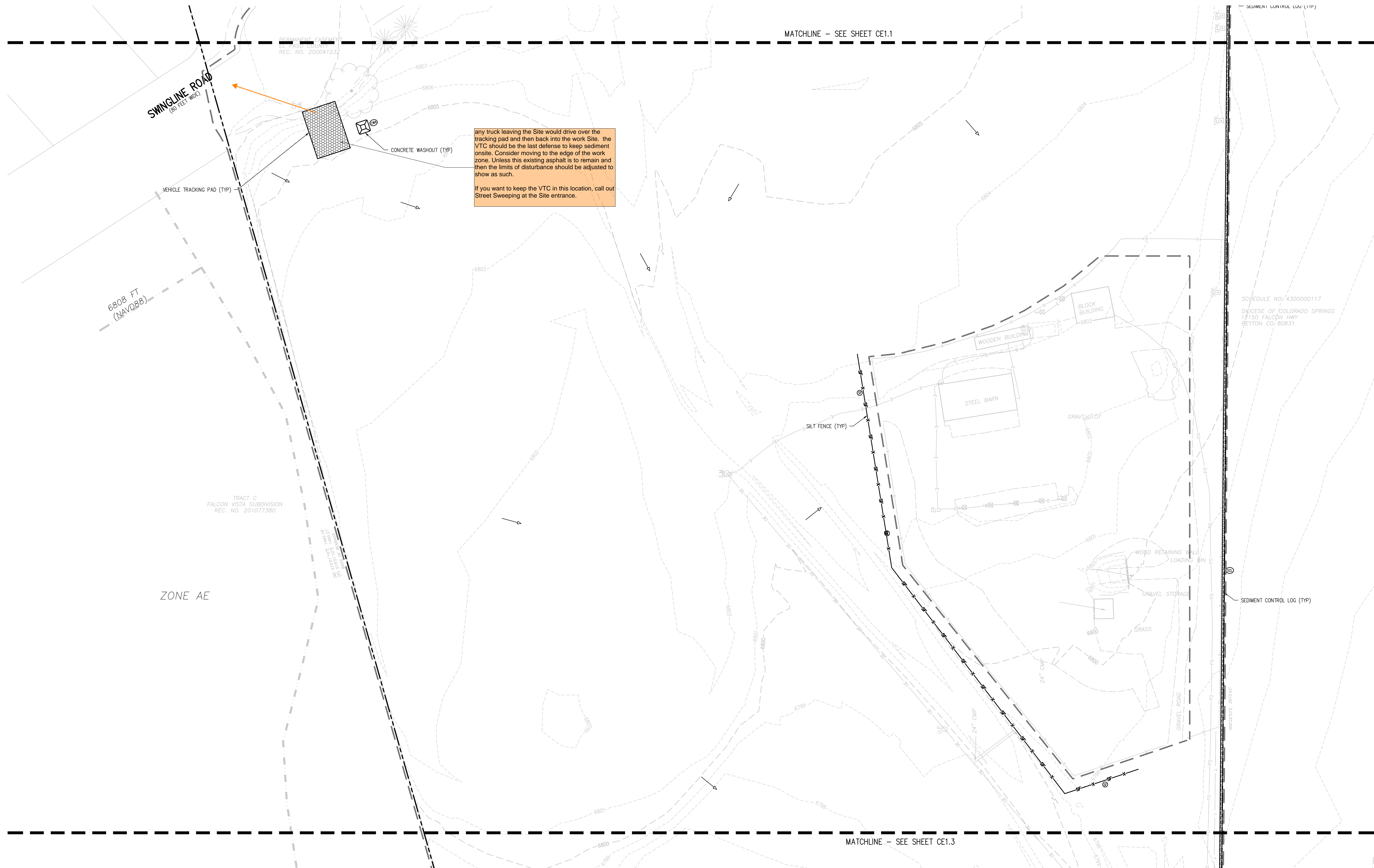
DATE
09/20/2022

REVISIONS

#	DATE	DESCRIPTION

ISSUED FOR
**CONSTRUCTION
DOCUMENTS**

CE1.2



any truck leaving the Site would drive over the tracking pad and then back into the work Site. the VTC should be the last defense to keep sediment onsite. Consider moving to the edge of the work zone. Unless this existing asphalt is to remain and then the limits of disturbance should be adjusted to show as such.

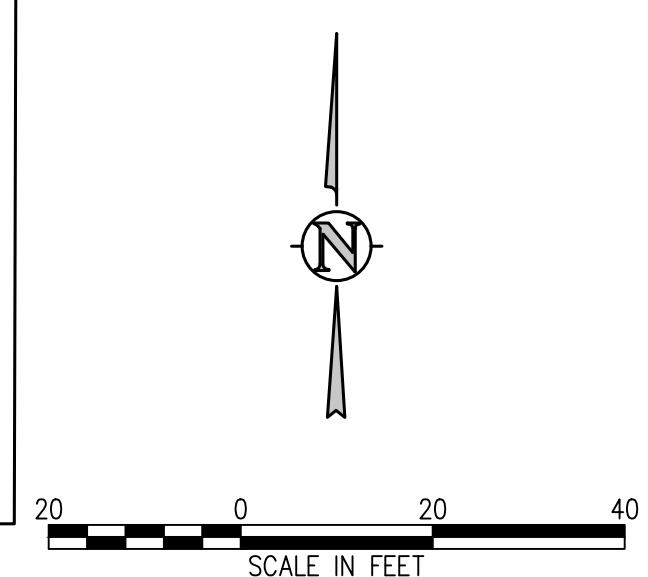
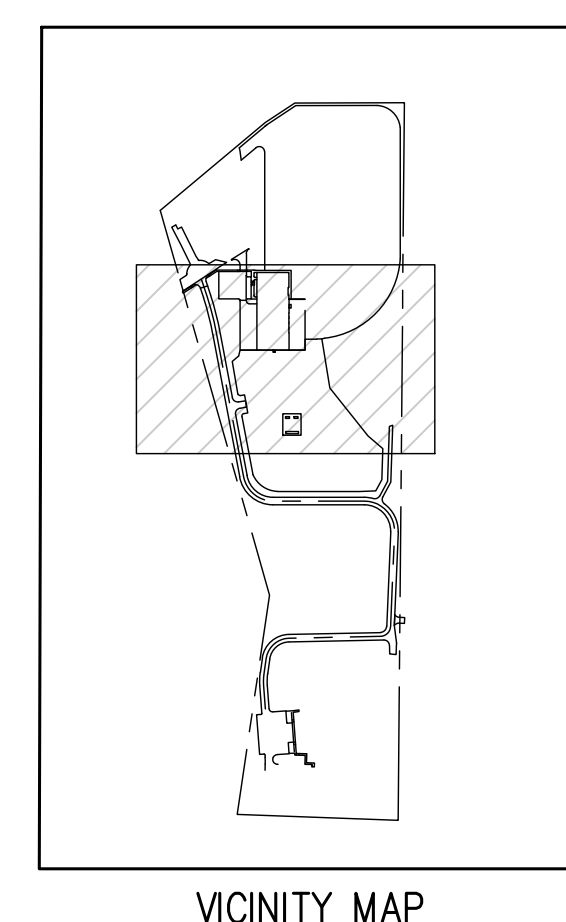
If you want to keep the VTC in this location, call out Street Sweeping at the Site entrance.

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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		CONCRETE WASHOUT AREA		ROOF DRAIN DOWNSPOUT
	PROPOSED INTERMEDIATE CONTOUR		TEMPORARY SLOPE DRAIN		CONCRETE WASHOUT AREA
	LIMITS OF WORK		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				



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
09/20/2022

REVISIONS

#	DATE	DESCRIPTION

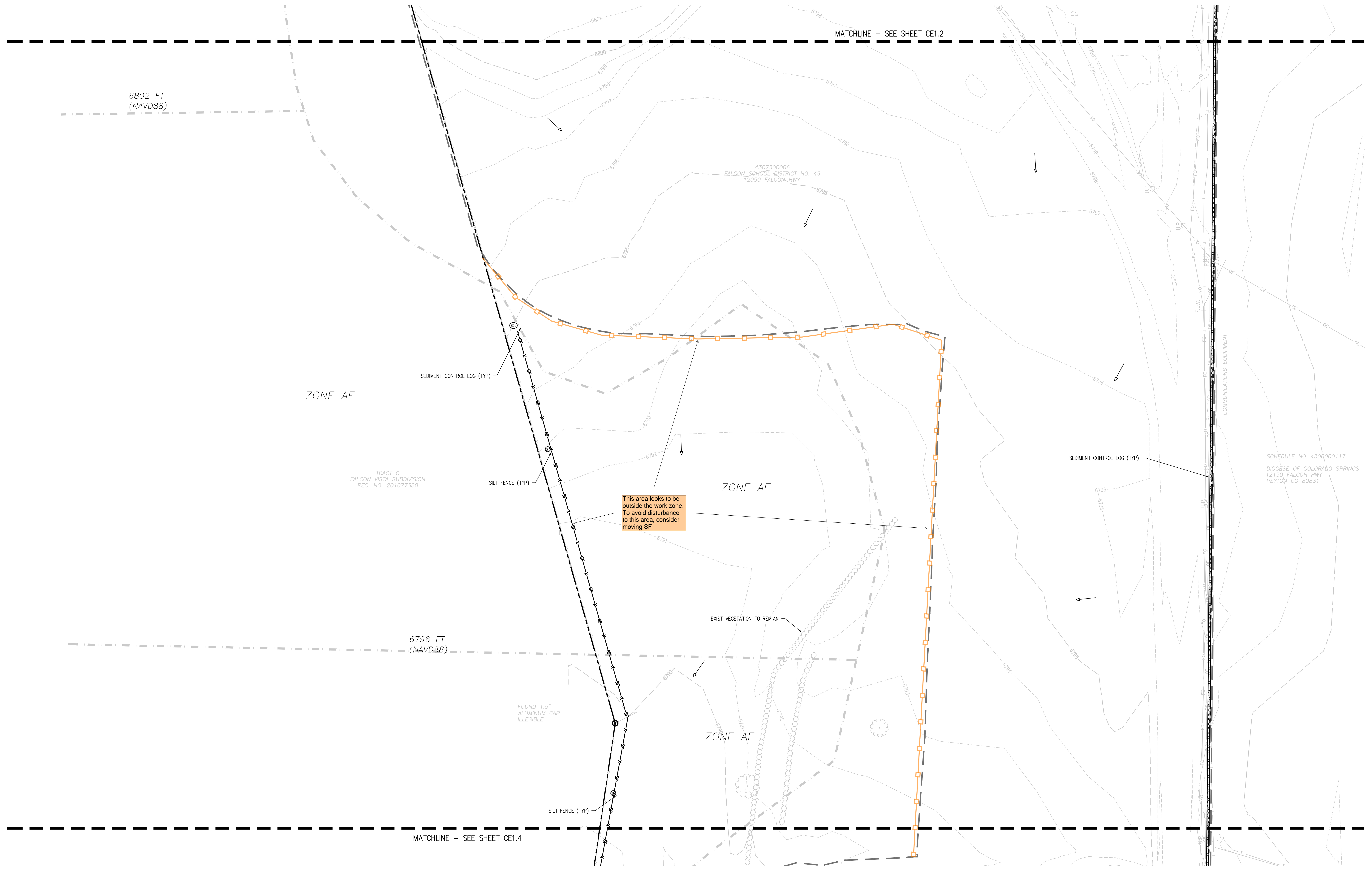
DESIGNED BY: **CONSTRUCTION DOCUMENTS**

CHECKED BY: **TWK/HMB**

APPROVED BY: **CWK**

SCALE: 1" = 40'

CE1.3

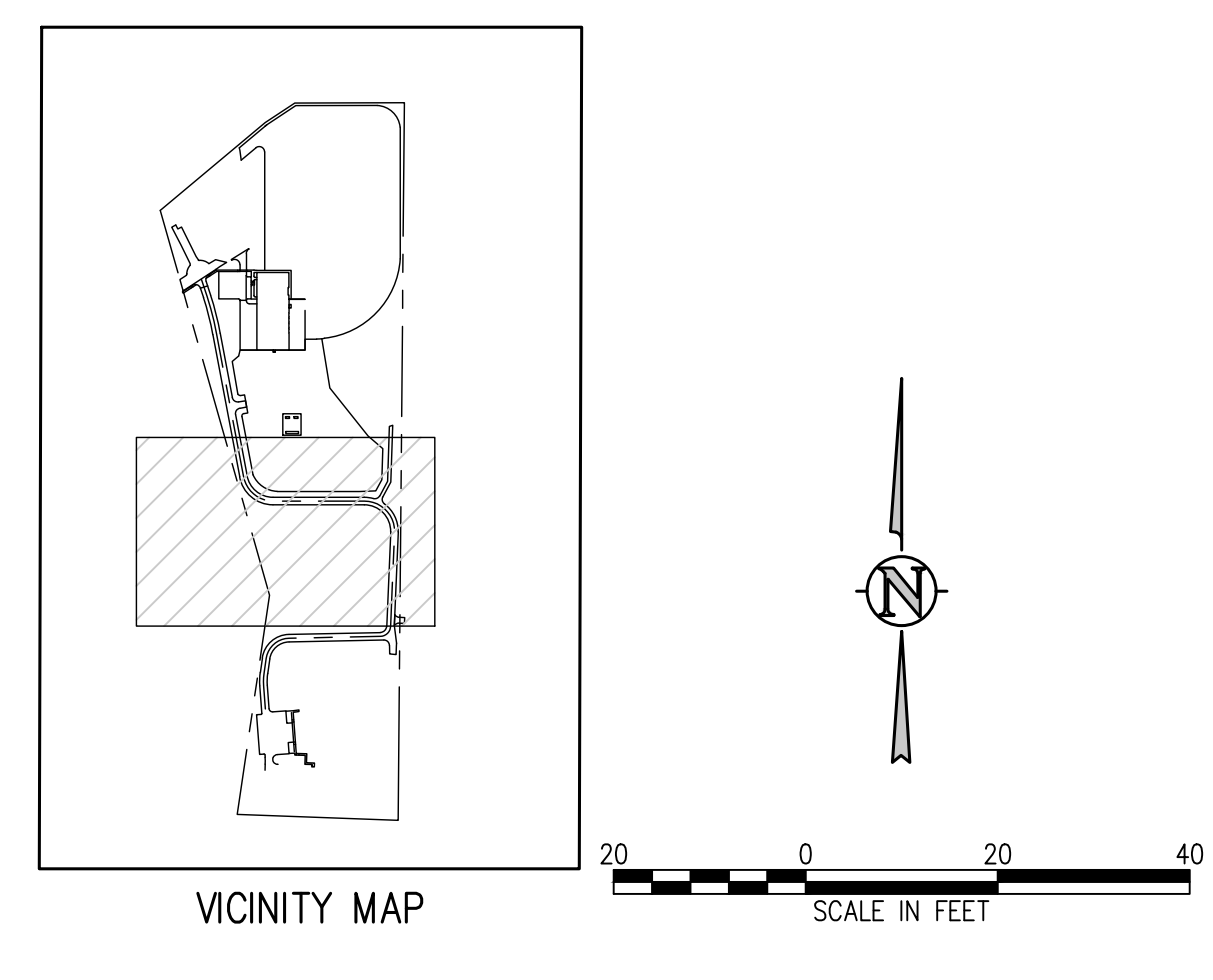


EROSION AND SEDIMENTATION NOTES:

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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 WORK		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
INITIAL EROSION CONTROL PLAN D

WTA PROJECT NUMBER
2021-041-00

DATE
09/20/2022

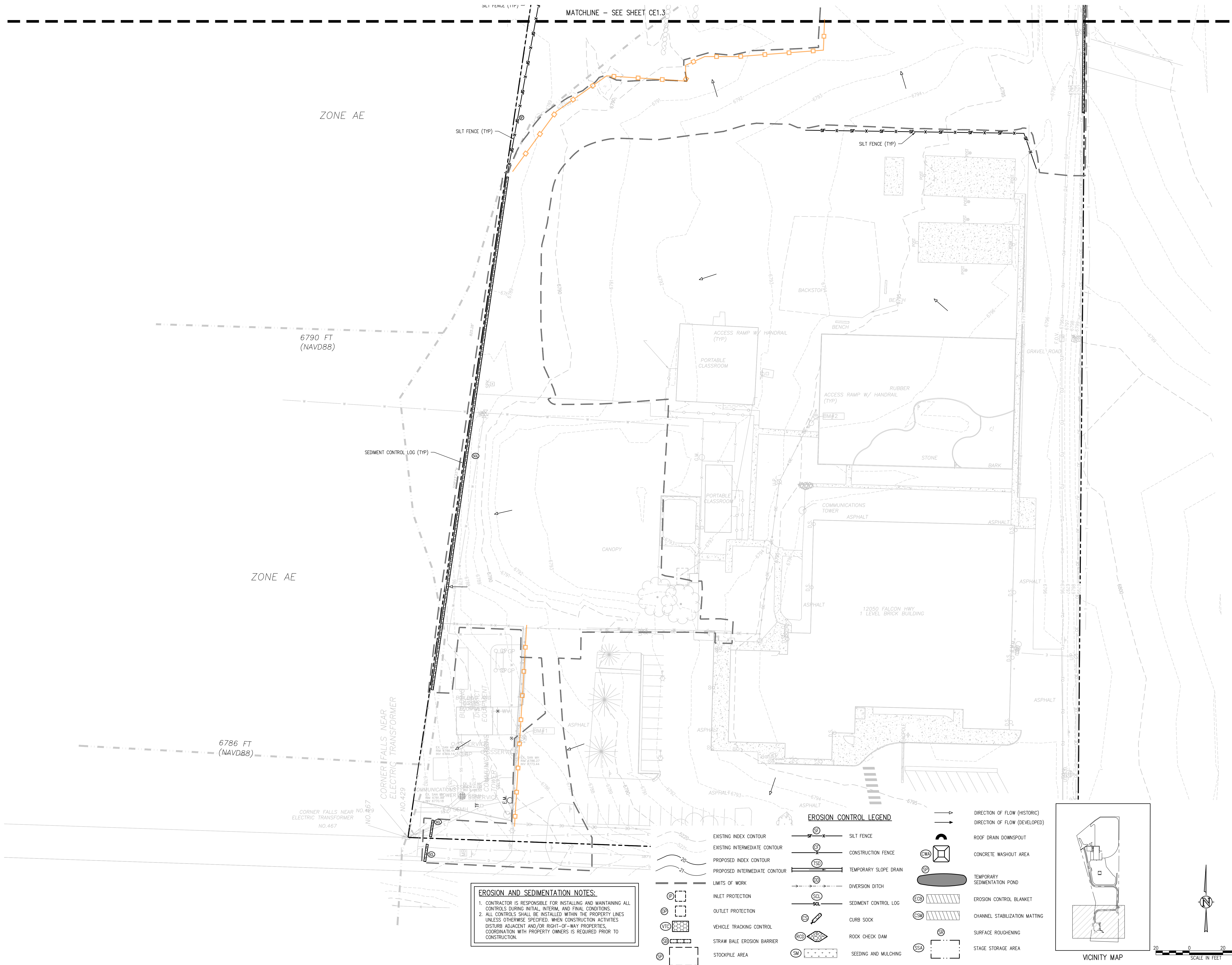
REVISIONS

#	DATE	DESCRIPTION

DESIGNED BY
TW/AMB

CHECKED BY
CWK

SCALE FOR CONSTRUCTION DOCUMENTS
CE1.4

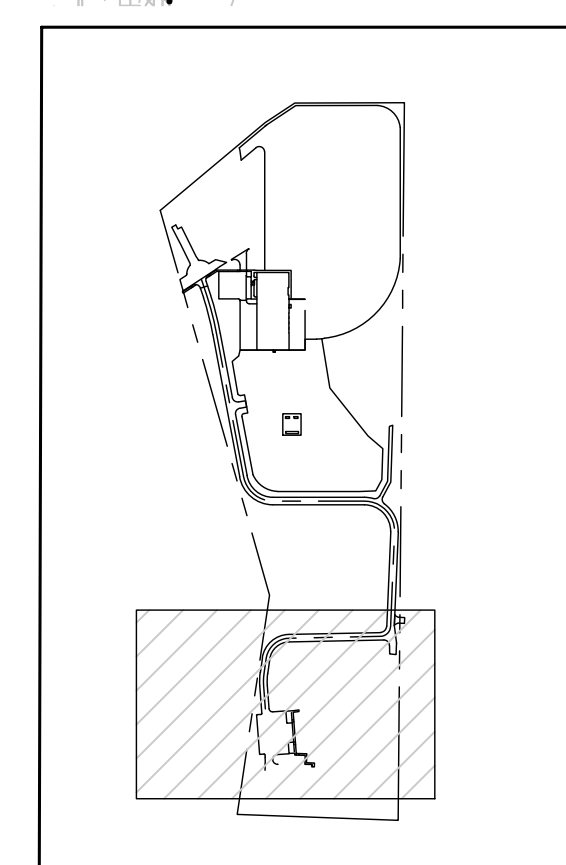


EROSION AND SEDIMENTATION NOTES:

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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 WORK		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					

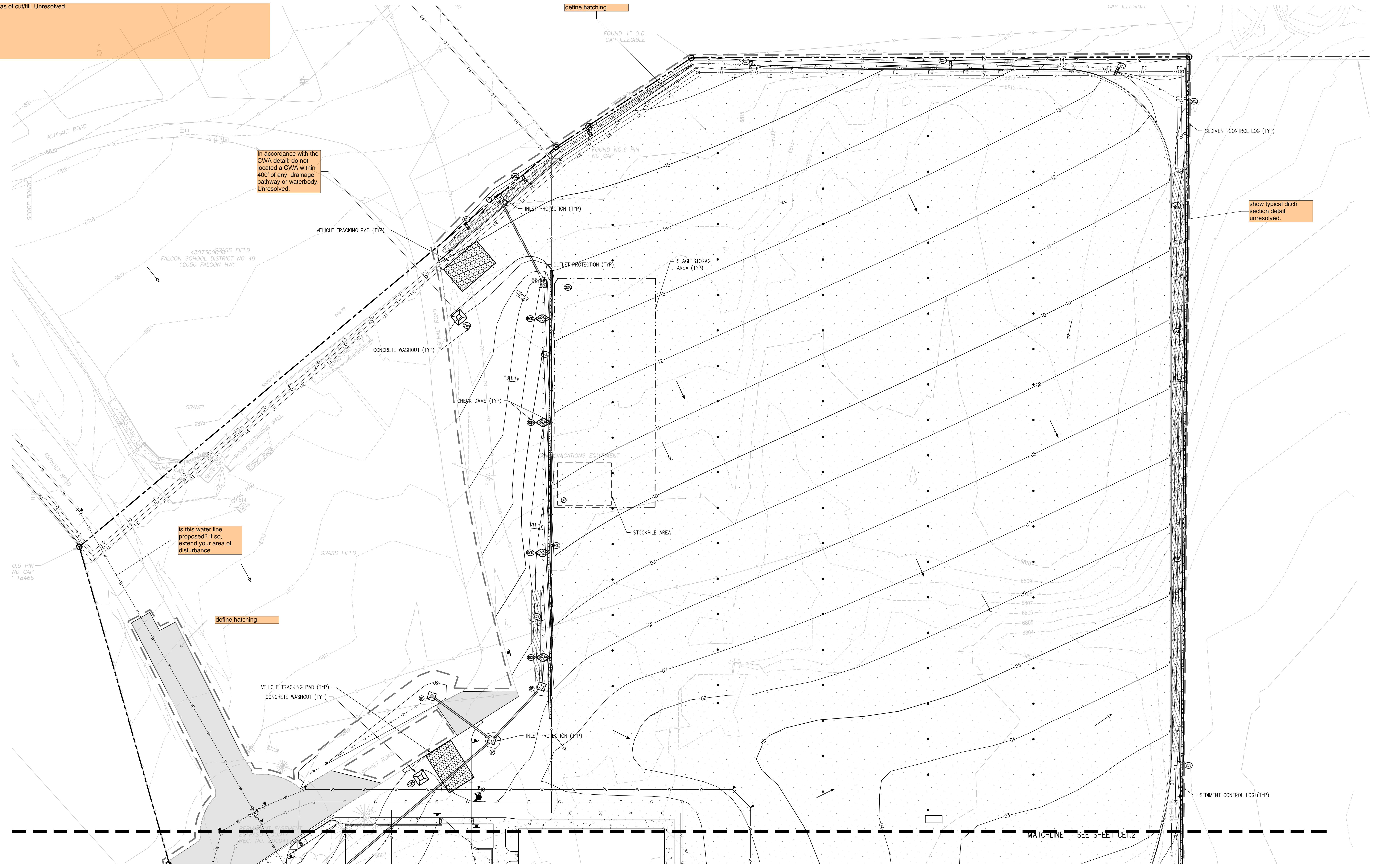


show all areas of cut/fill. Unresolved.

in accordance with the CWA detail: do not locate a CWA within 400' of any drainage pathway or waterbody. Unresolved.

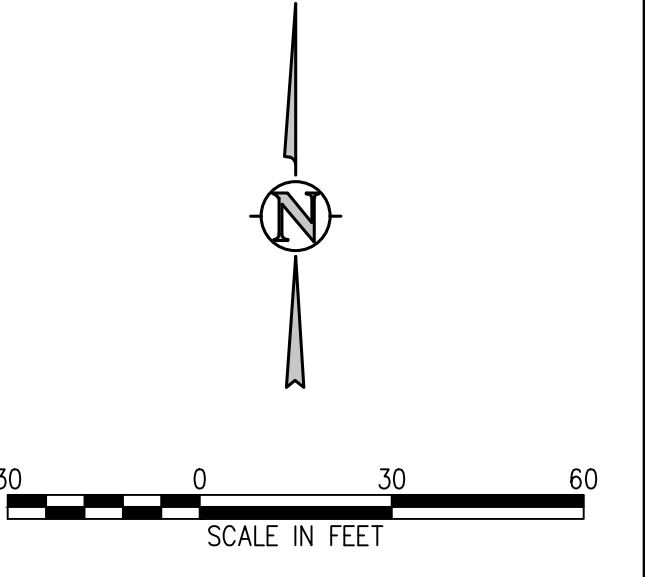
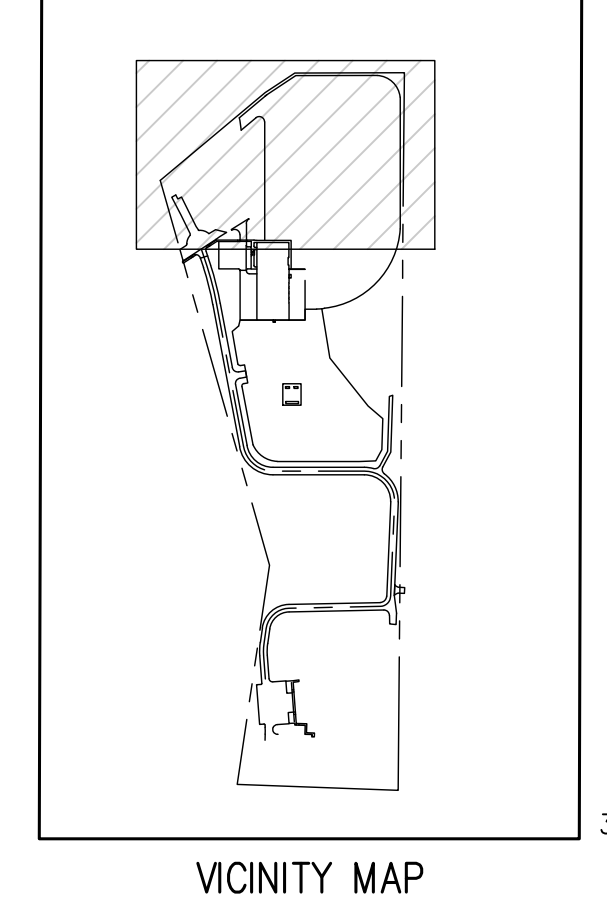
is this water line proposed? if so, extend your area of disturbance

show typical ditch section detail unresolved.



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EROSION CONTROL LEGEND	
	EXISTING INDEX CONTOUR
	EXISTING INTERMEDIATE CONTOUR
	PROPOSED INDEX CONTOUR
	PROPOSED INTERMEDIATE CONTOUR
	LIMITS OF WORK
	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
	ROOF DRAIN DOWNSPOUT
	CONCRETE WASHOUT AREA
	TEMPORARY SEDIMENTATION POND
	EROSION CONTROL BLANKET
	CHANNEL STABILIZATION MATTING
	SURFACE ROUGHENING
	STAGE STORAGE AREA



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



PROJECT NUMBER: **2021-041.00**
 DATE: **09/20/2022**

REVISIONS:

#	DATE	DESCRIPTION

DESIGNED BY: **T.W. AMB**
 CHECKED BY: **CWK**
 DRAWN FOR: **CONSTRUCTION DOCUMENTS**
CE1.5

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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
2021-041.00

DATE
09/20/2022

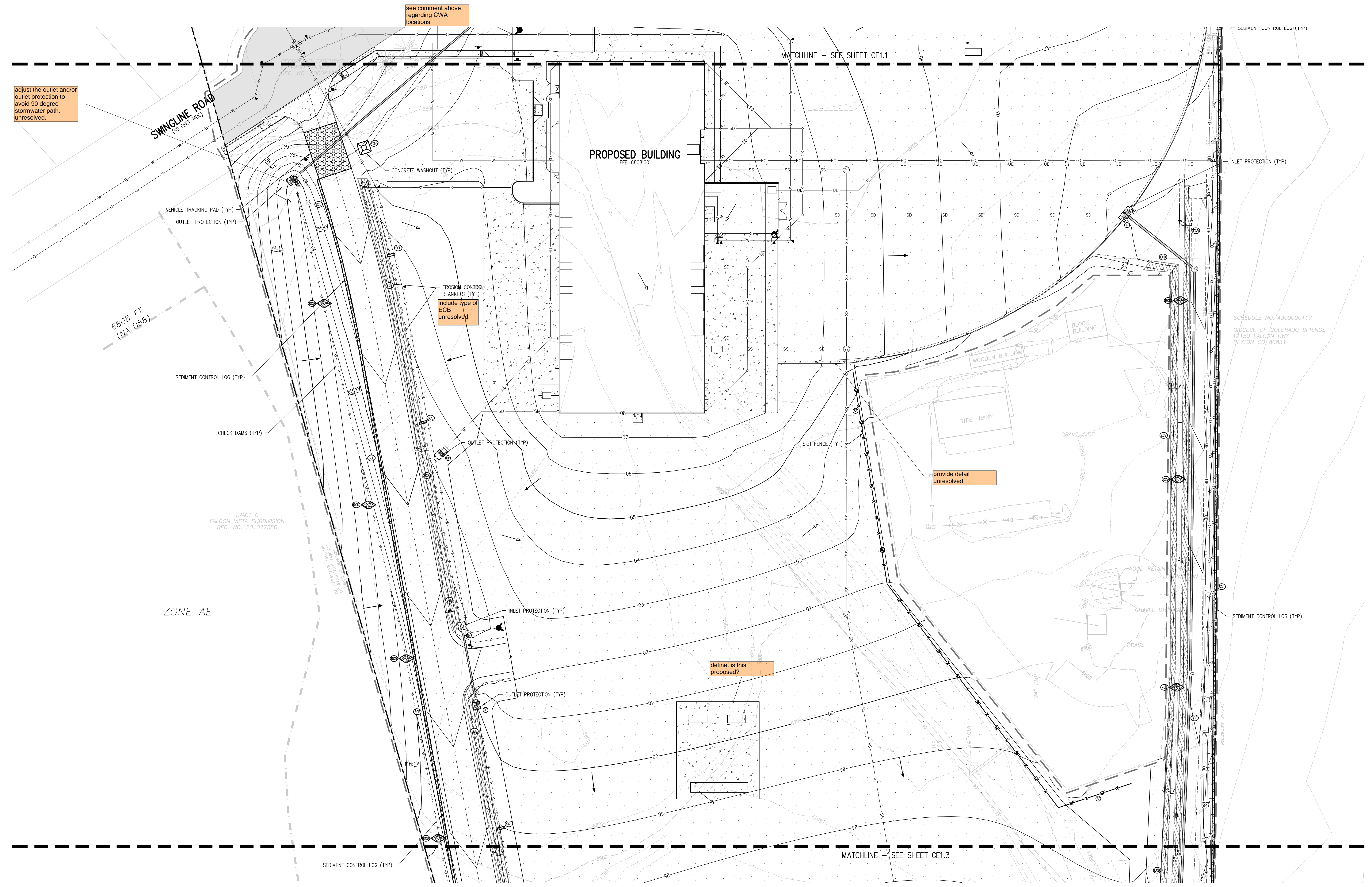
REVISIONS

#	DATE	DESCRIPTION

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

ISSUED FOR
**CONSTRUCTION
DOCUMENTS**

CE1.6

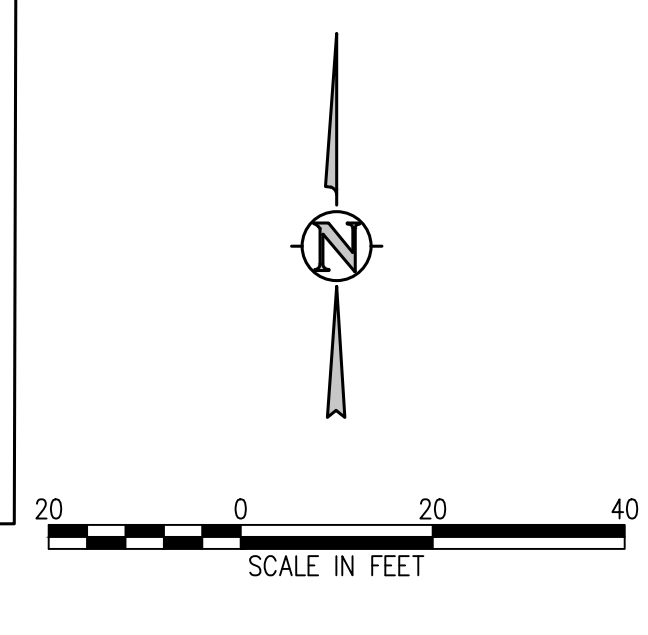
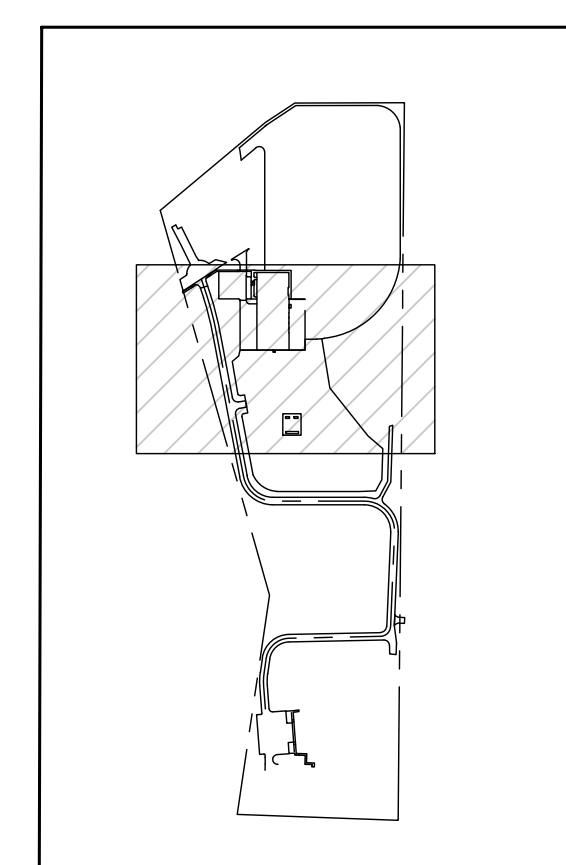


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EROSION CONTROL LEGEND

	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 WORK		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				



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



SHEET TITLE
**INTERIM
EROSION CONTROL PLAN
C**

WTA PROJECT NUMBER
2021-041.00

DATE
09/20/2022

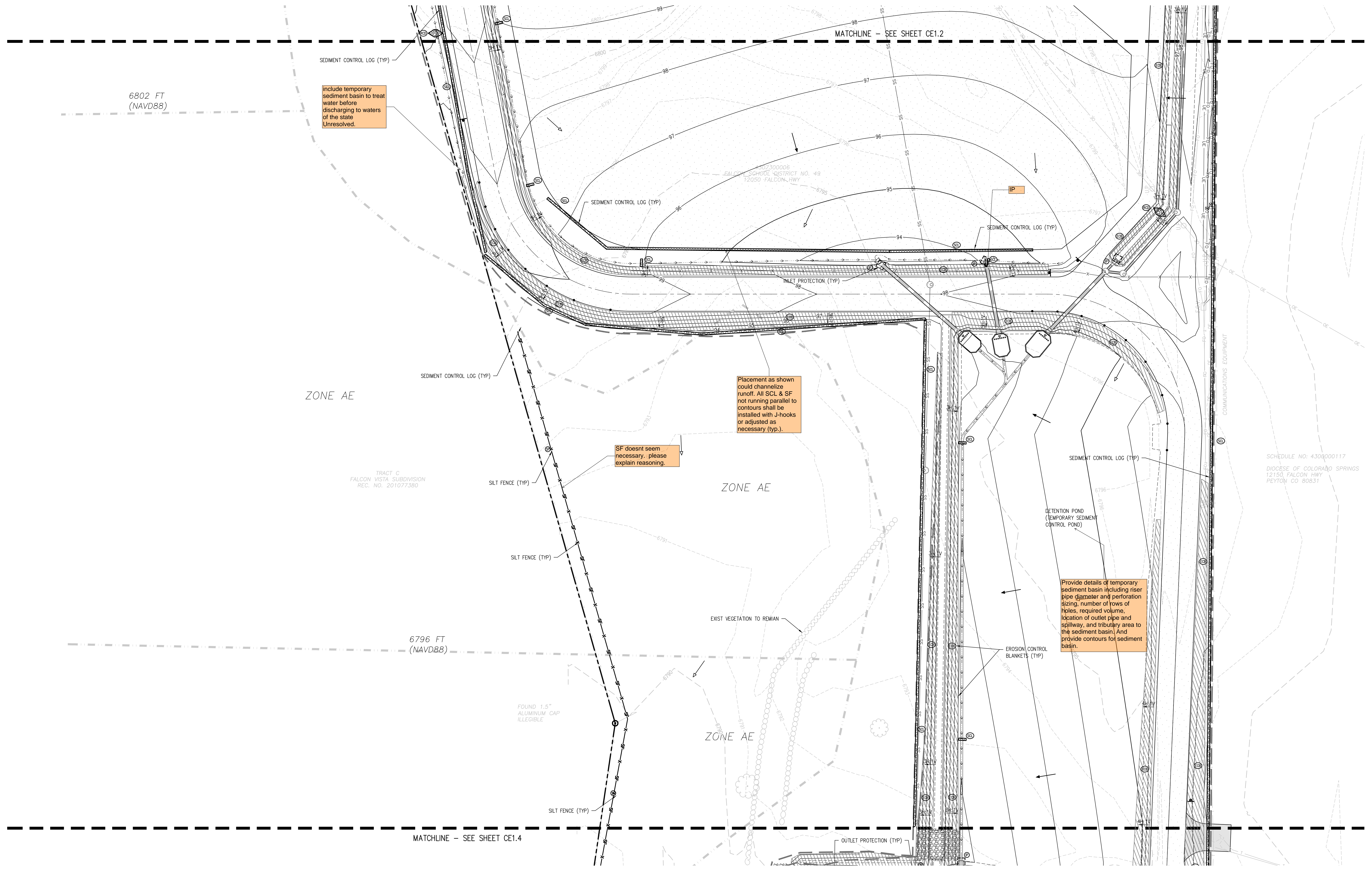
REVISIONS

#	DATE	DESCRIPTION

ISSUED FOR
CONSTRUCTION DOCUMENTS

DATE APPROVAL: **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
**INTERIM
EROSION
CONTROL PLAN
D**

WTA PROJECT NUMBER
2021-041.00

DATE
09/20/2022

REVISIONS

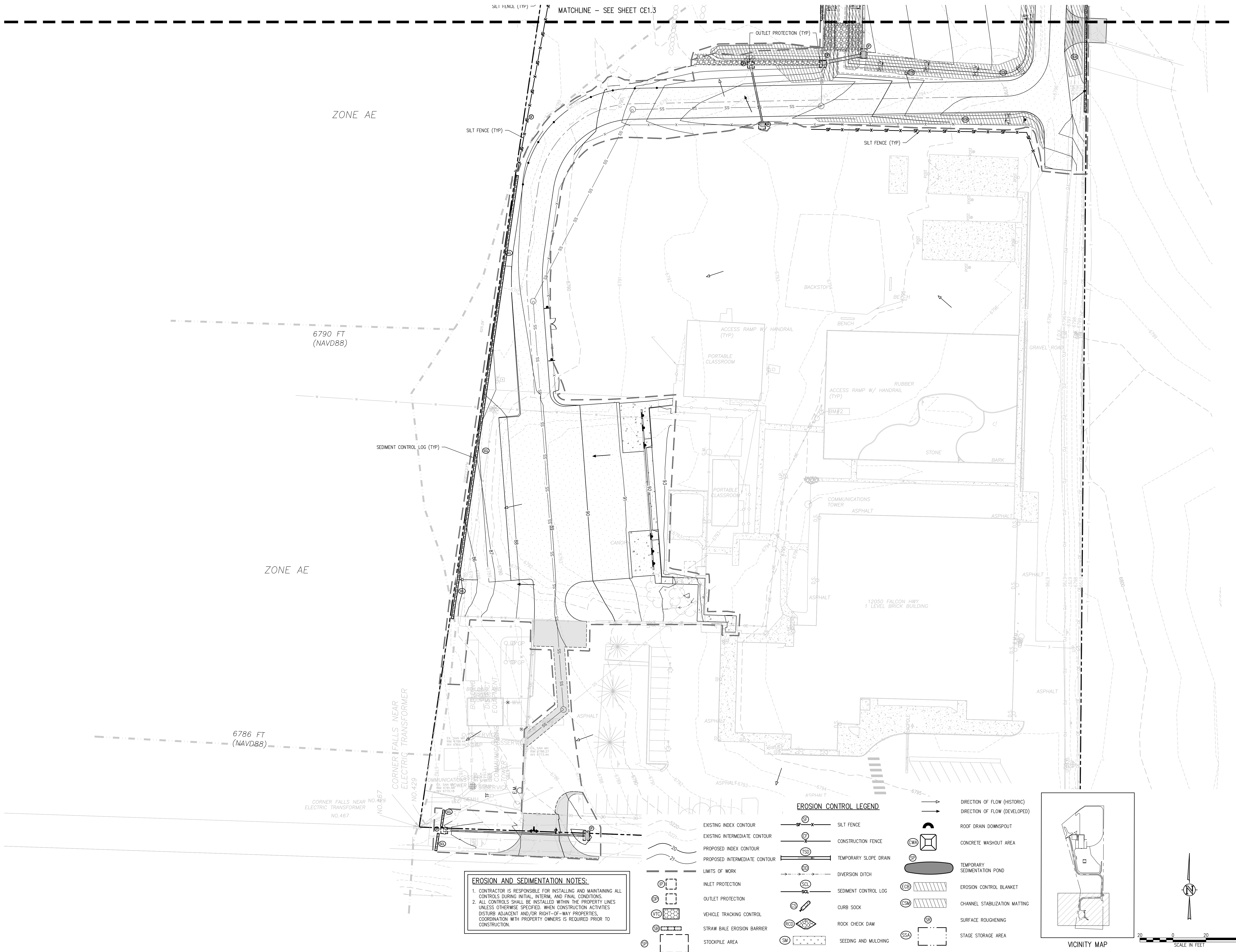
#	DATE	DESCRIPTION

DESIGNED BY
TW&AMB

CHECKED BY
CWK

DATE FOR CONSTRUCTION DOCUMENTS

CE1.8



EROSION AND SEDIMENTATION NOTES:

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EROSION CONTROL LEGEND

EXISTING INDEX CONTOUR	— SF —	SILT FENCE	→
EXISTING INTERMEDIATE CONTOUR	— IF —	CONSTRUCTION FENCE	→
PROPOSED INDEX CONTOUR	— SD —	TEMPORARY SLOPE DRAIN	→
PROPOSED INTERMEDIATE CONTOUR	— ID —	DIVERSION DITCH	→
LIMITS OF WORK	— LW —	SEDIMENT CONTROL LOG	→
INLET PROTECTION	IP	CURB SOCK	→
OUTLET PROTECTION	OP	ROCK CHECK DAM	→
VEHICLE TRACKING CONTROL	VTC	SEEDING AND MULCHING	→
STRAW BALE EROSION BARRIER	SEB		
STOCKPILE AREA	SP		

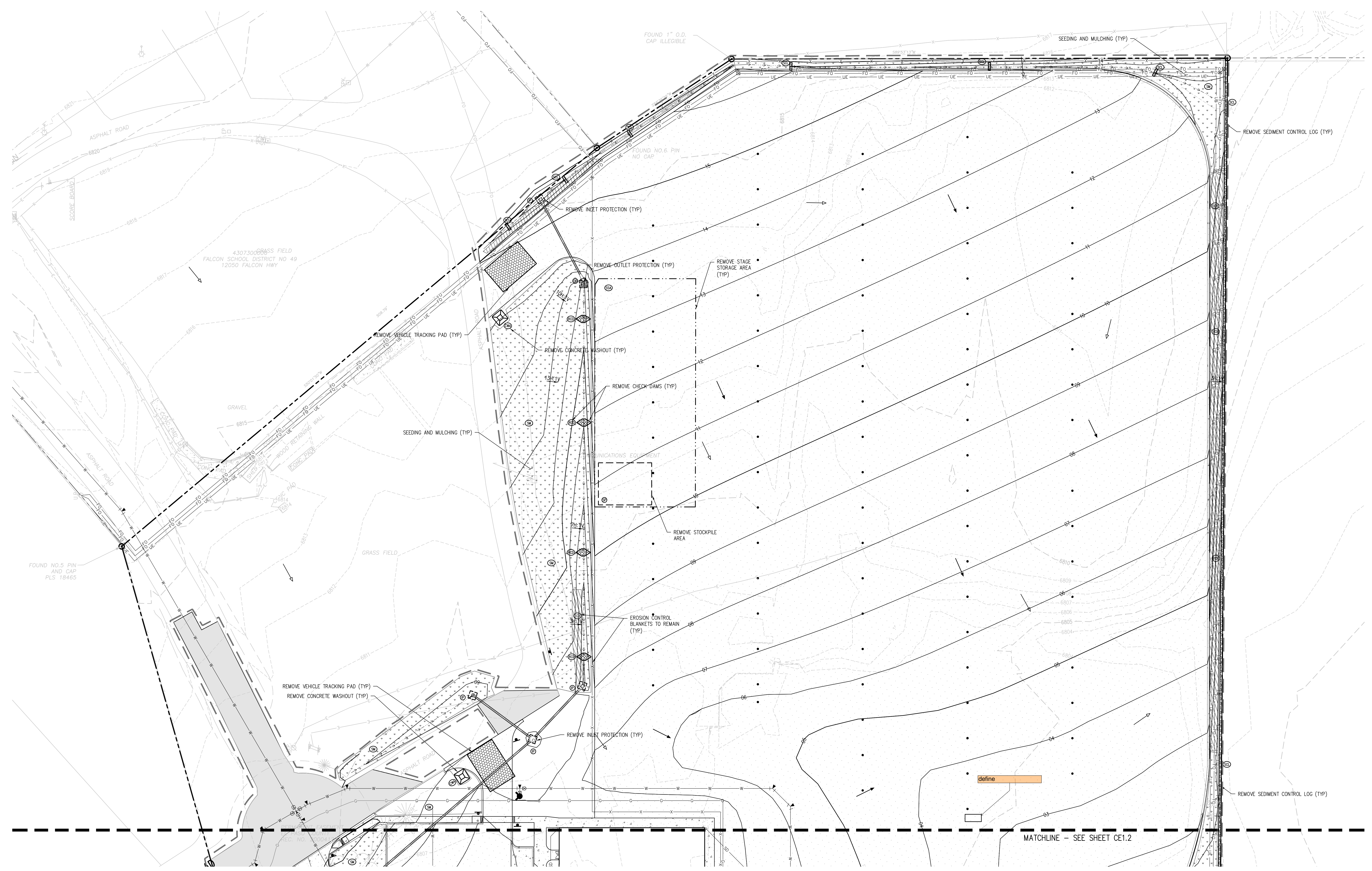
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D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831



FINAL EROSION CONTROL PLAN A

DATE: 09/20/2022
PROJECT NUMBER: 2021-041.00
SCALE: AS SHOWN
DRAWN BY: TWK/AMB
CHECKED BY: CWK
DATE: 09/20/2022
DESCRIPTION: CONSTRUCTION DOCUMENTS



EROSION AND SEDIMENTATION NOTES:
1. CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL CONTROLS DURING INITIAL, INTERIM, AND FINAL CONDITIONS.
2. 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.

EXISTING INDEX CONTOUR EXISTING INTERMEDIATE CONTOUR PROPOSED INDEX CONTOUR PROPOSED INTERMEDIATE CONTOUR LIMITS OF WORK 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	VICINITY MAP NORTH 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 B

WTA PROJECT NUMBER
2021-041.00

DATE
09/20/2022

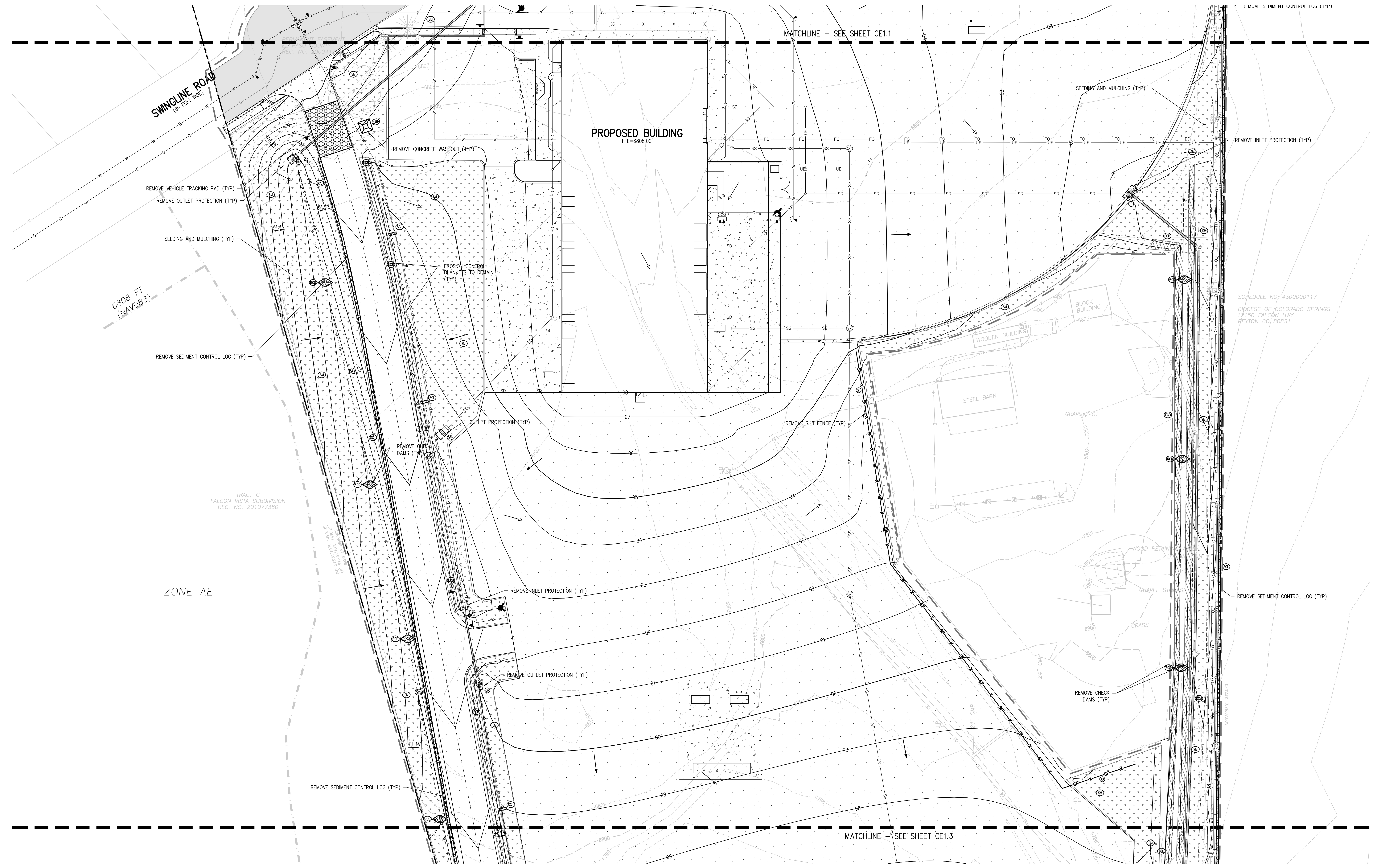
REVISIONS

#	DATE	DESCRIPTION

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

ISSUED FOR
CONSTRUCTION DOCUMENTS

CE1.10



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 WORK		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

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

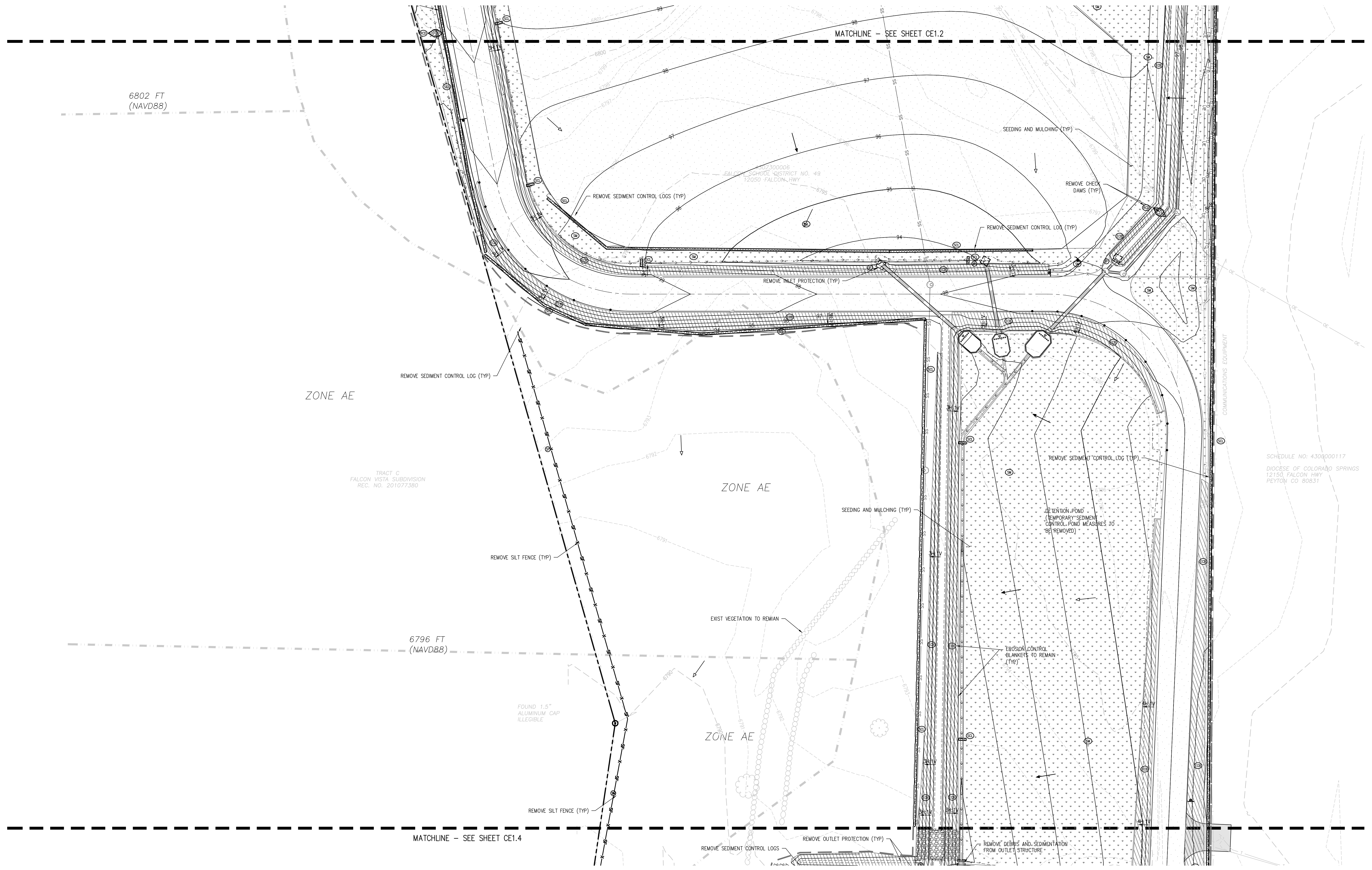
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2021-041.00
DATE
09/20/2022

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DATE: **CWK**

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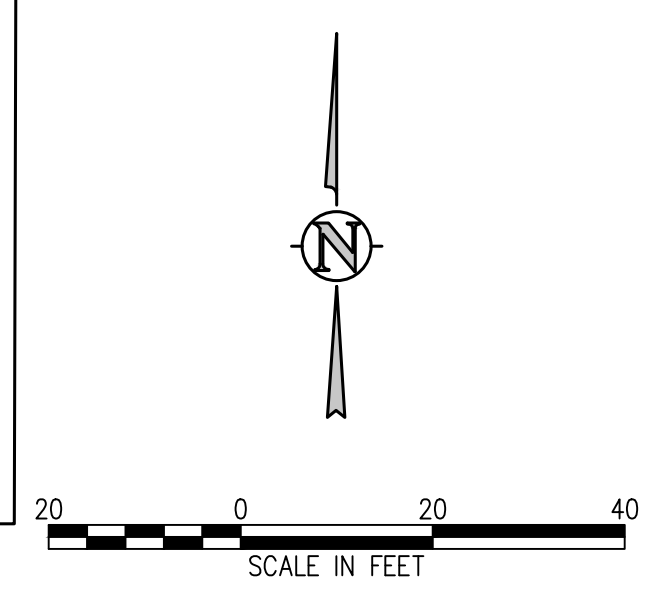
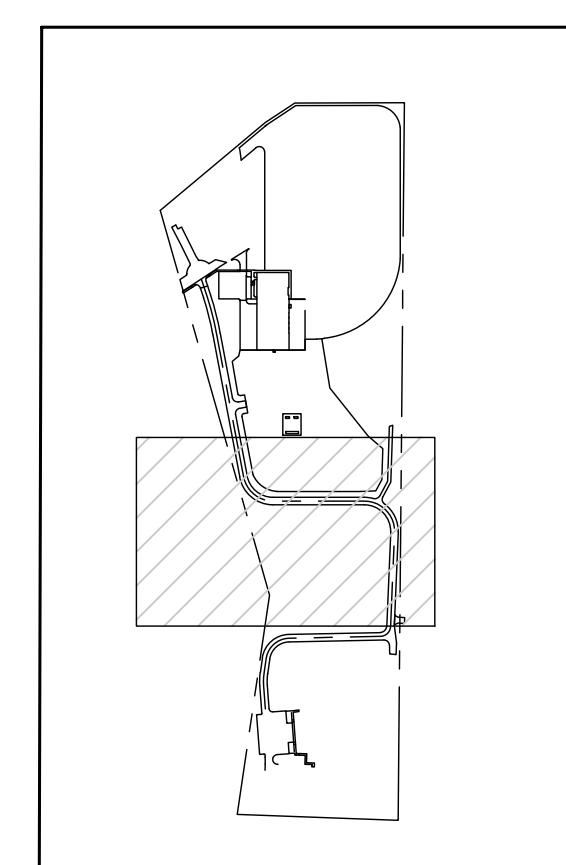


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EROSION CONTROL LEGEND

	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 WORK		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
FINAL EROSION CONTROL PLAN D

DATE PROJECT NUMBER
2021-041.00

DATE
09/20/2022

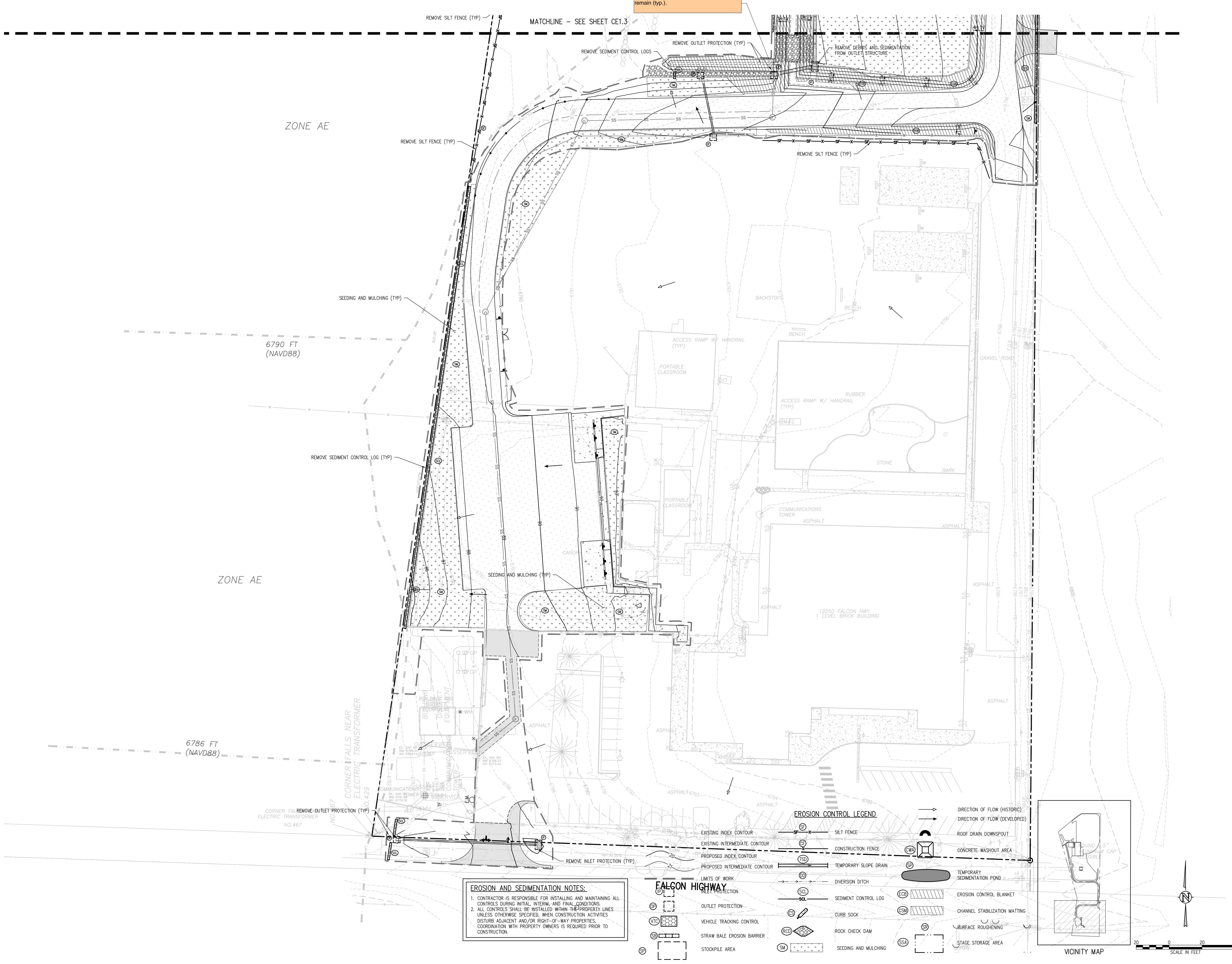
REVISIONS

#	DATE	DESCRIPTION

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

SCALE FOR CONSTRUCTION DOCUMENTS

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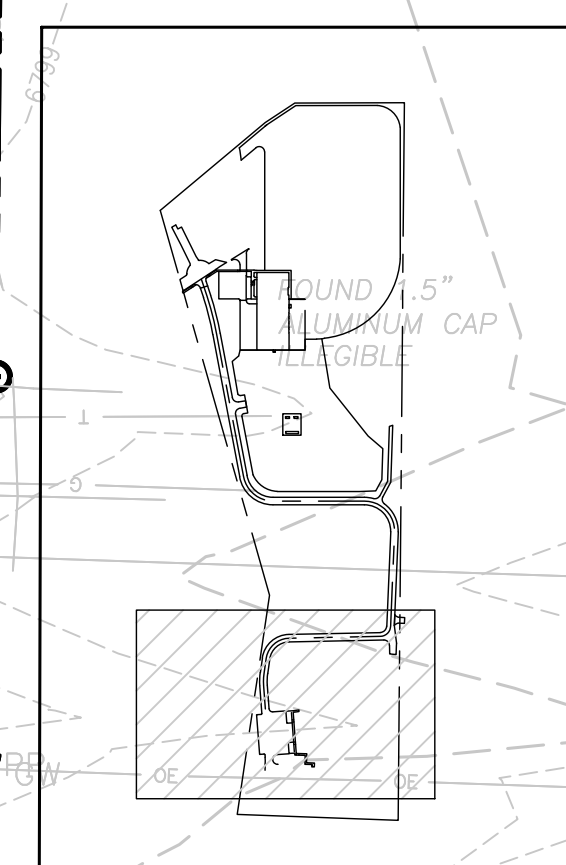


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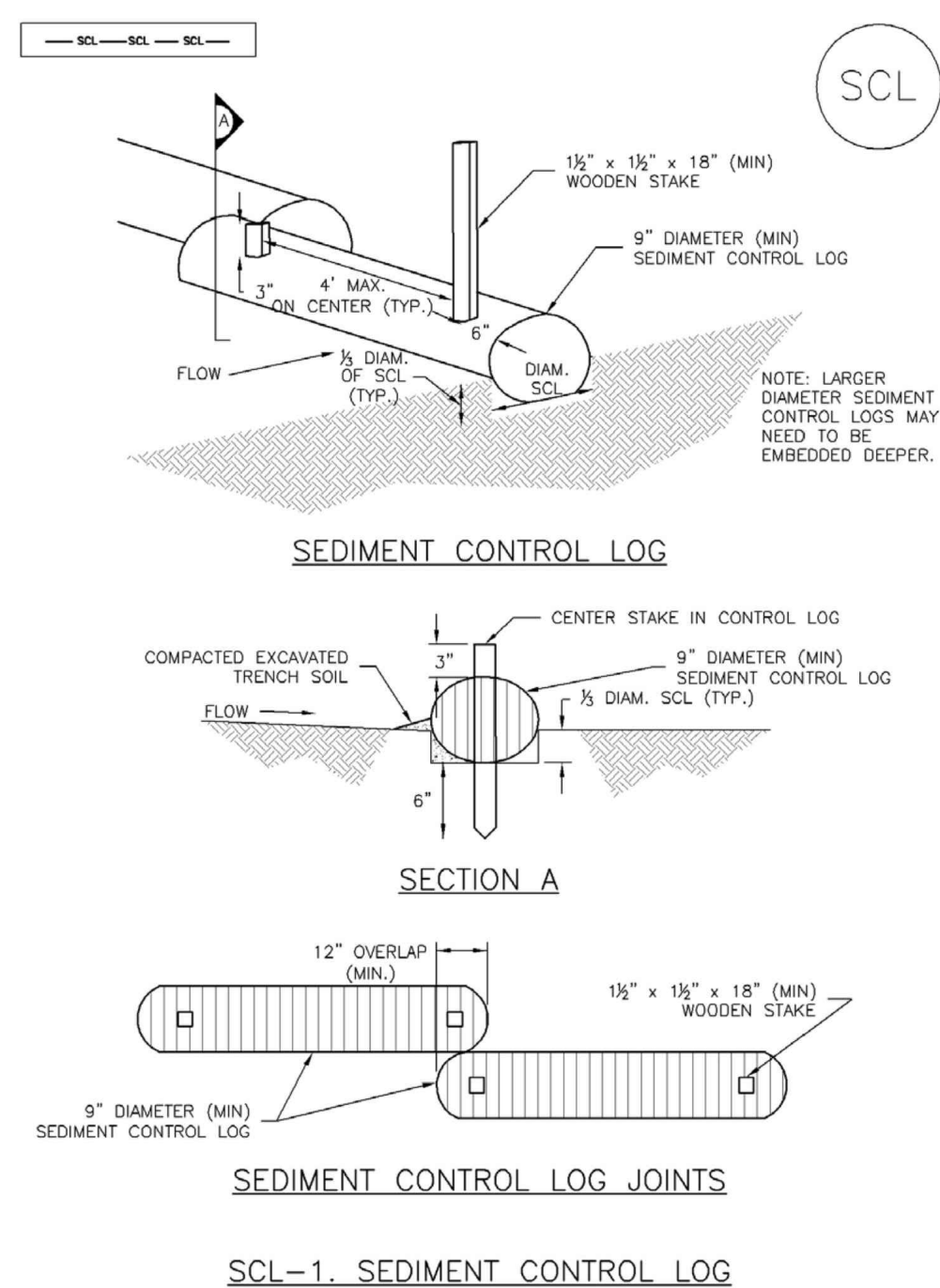
EROSION CONTROL LEGEND

(SF)	SILT FENCE	(CWA)	CONCRETE WASHOUT AREA
(CF)	CONSTRUCTION FENCE	(SP)	TEMPORARY SEDIMENTATION POND
(SD)	TEMPORARY SLOPE DRAIN	(ECB)	EROSION CONTROL BLANKET
(DD)	DIVERSION DITCH	(CSM)	CHANNEL STABILIZATION MATTING
(SCL)	SEDIMENT CONTROL LOG	(SR)	SURFACE ROUGHENING
(CS)	CURB SOCK	(SSA)	STAGE STORAGE AREA
(RCD)	ROCK CHECK DAM		
(SM)	SEEDING AND MULCHING		
(IP)	INLET PROTECTION		
(OP)	OUTLET PROTECTION		
(VTC)	VEHICLE TRACKING CONTROL		
(SBE)	STRAW BALE EROSION BARRIER		
(SA)	STOCKPILE AREA		



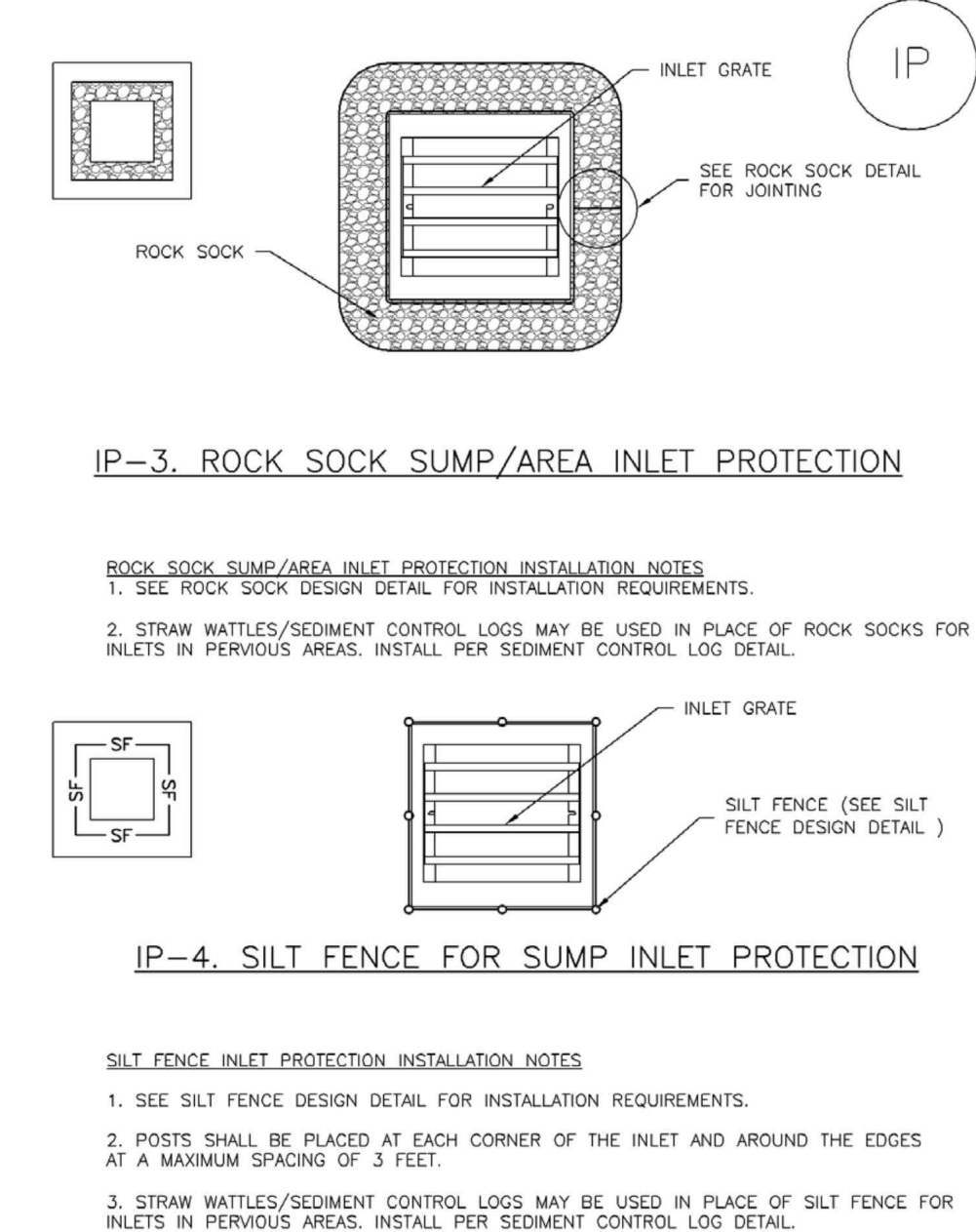
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Sediment Control Log (SCL) SC-2



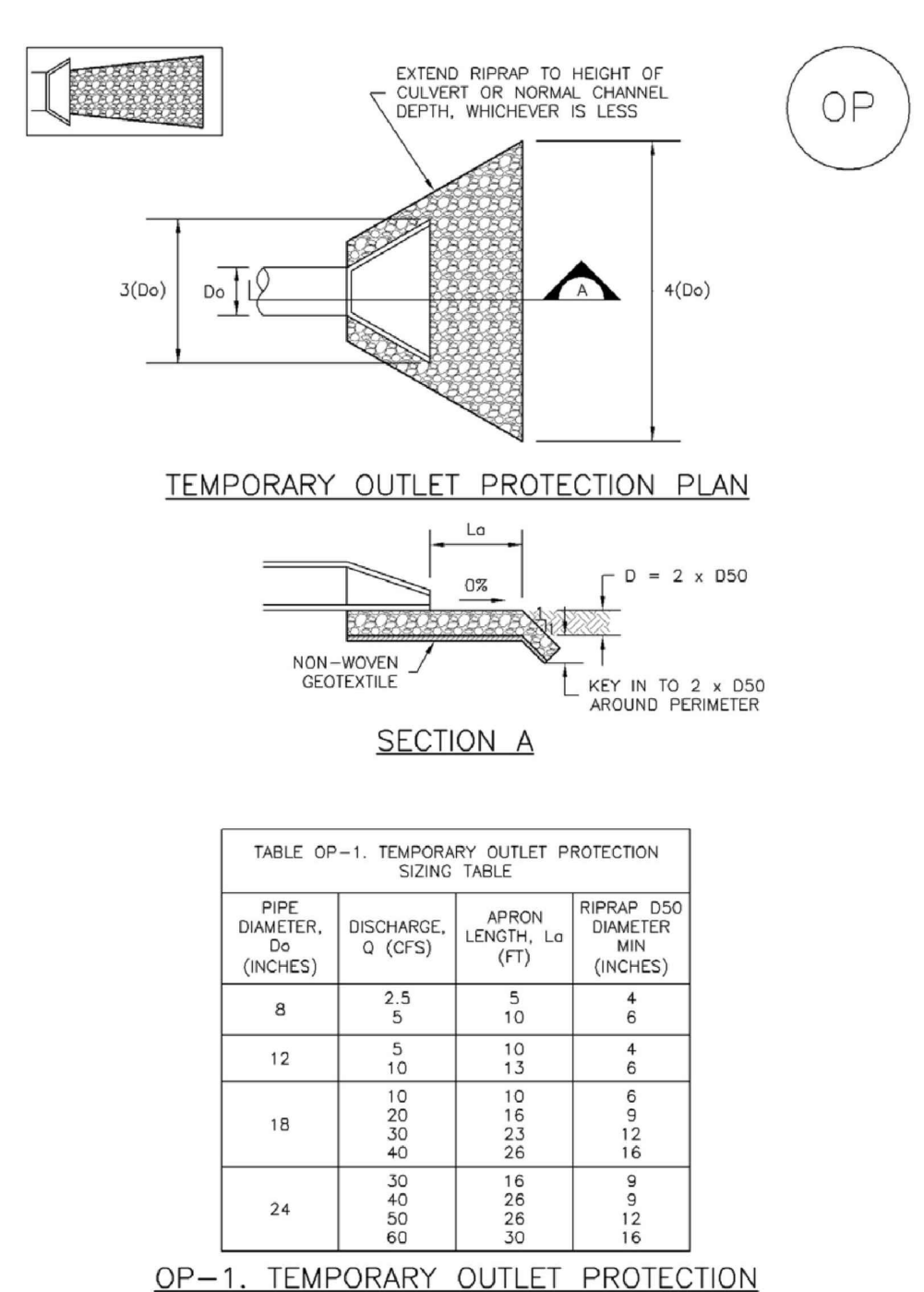
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SCL-3

Inlet Protection (IP) SC-6



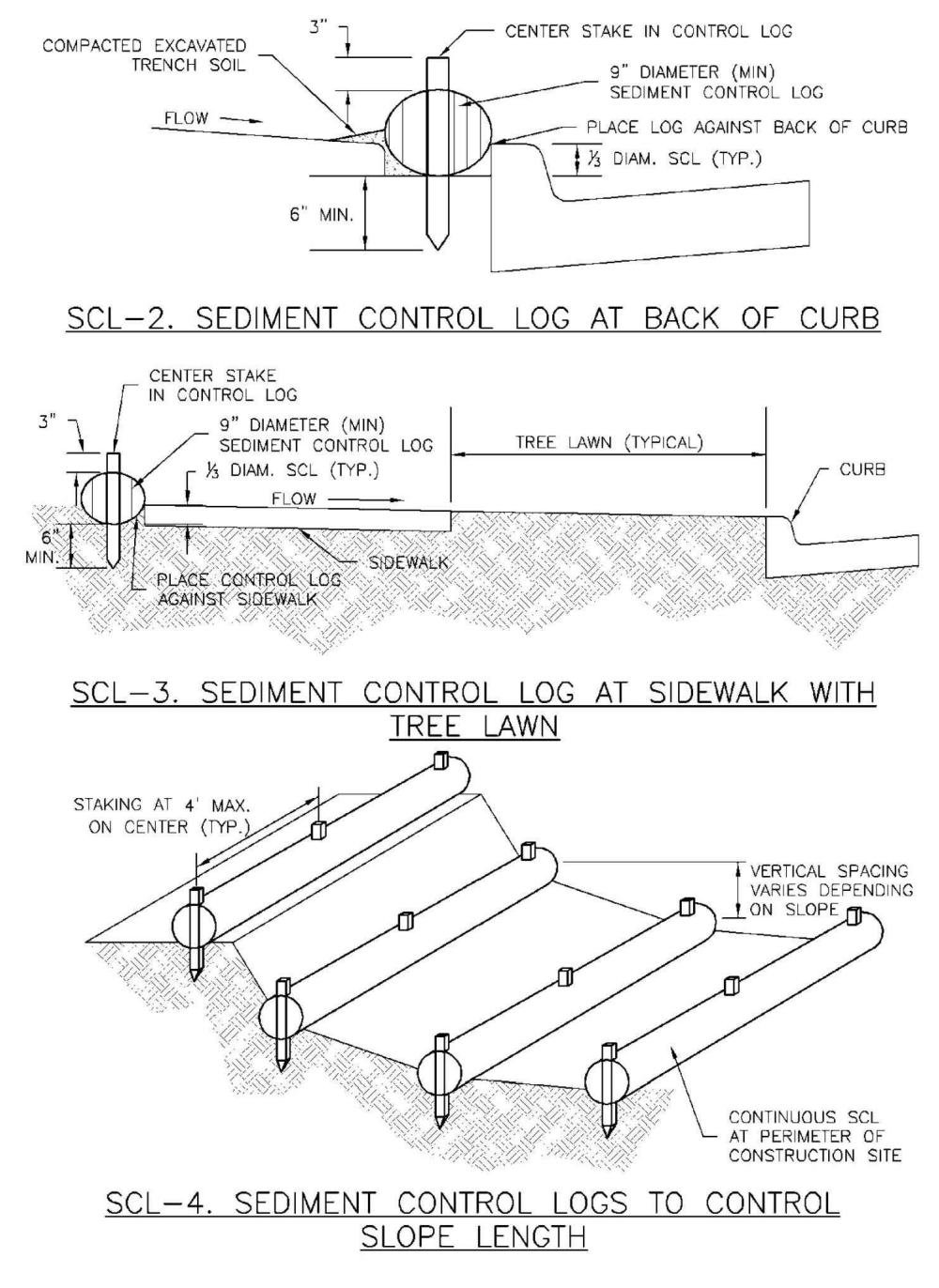
August 2013 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 IP-5

EC-8 Temporary Outlet Protection (TOP) EC-8



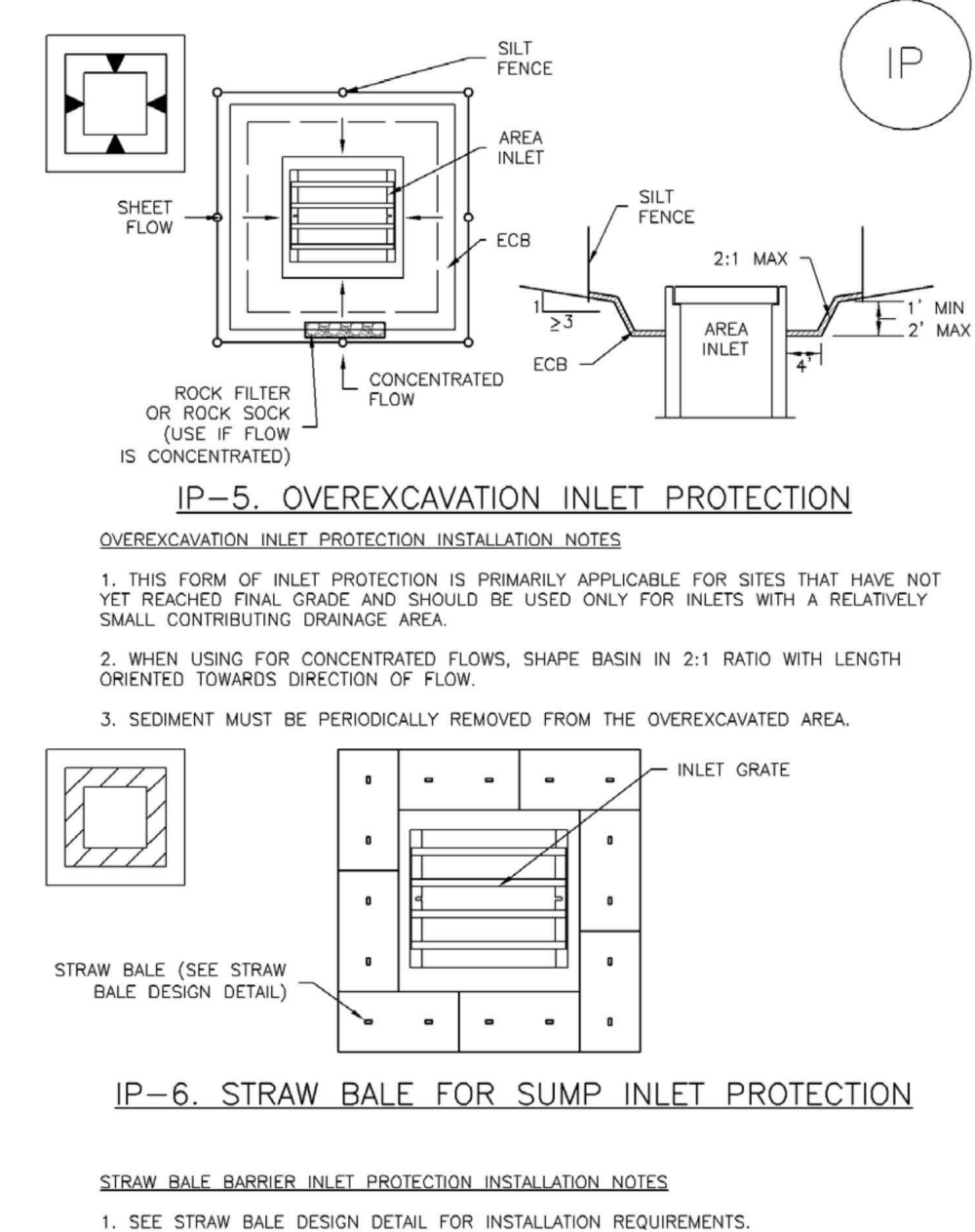
November 2010 Urban Drainage and Flood Control District EC-8

SC-2 Sediment Control Log (SCL) SC-2



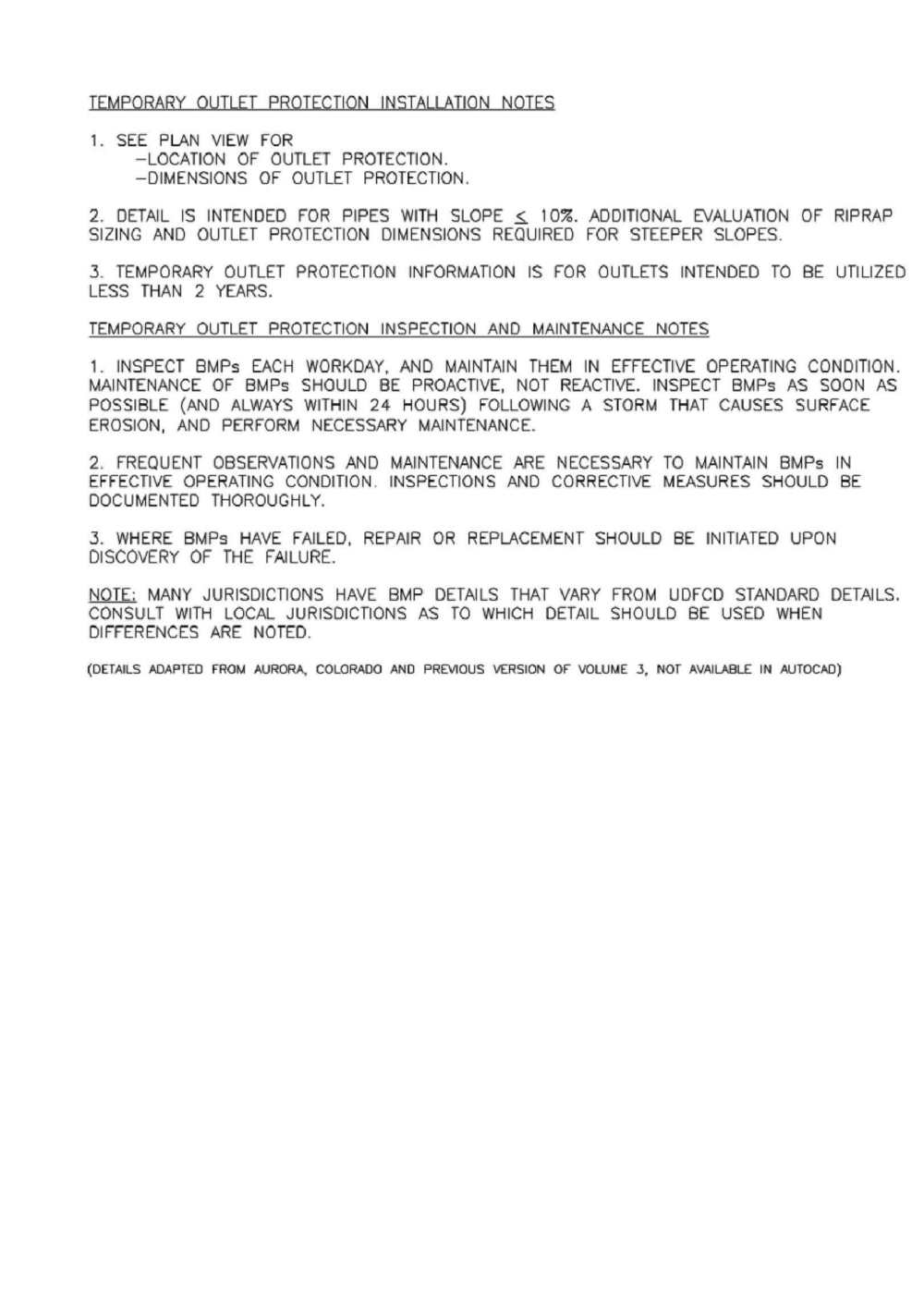
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SCL-4

SC-6 Inlet Protection (IP) SC-6



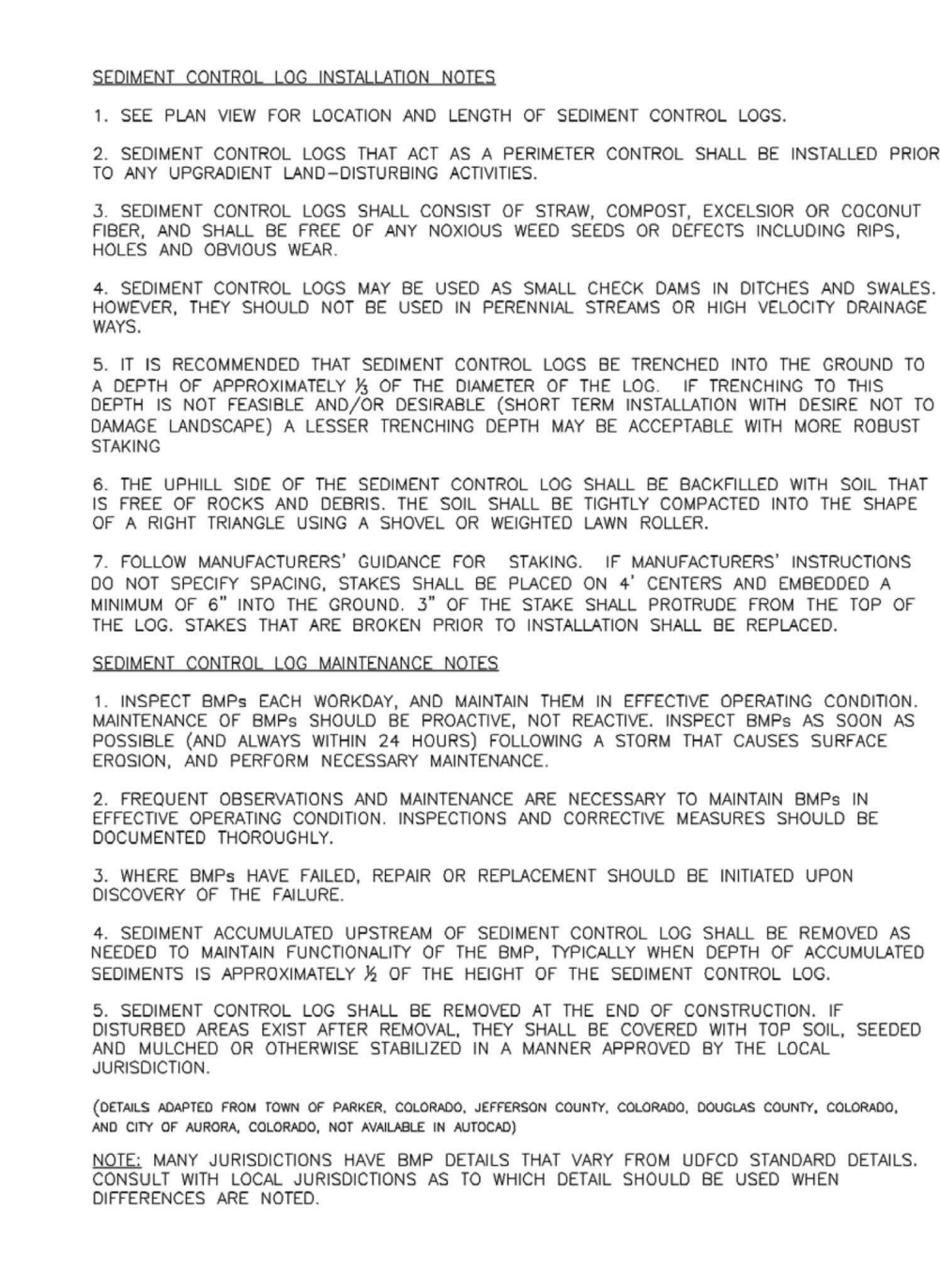
August 2013 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 IP-6

Temporary Outlet Protection (TOP) EC-8



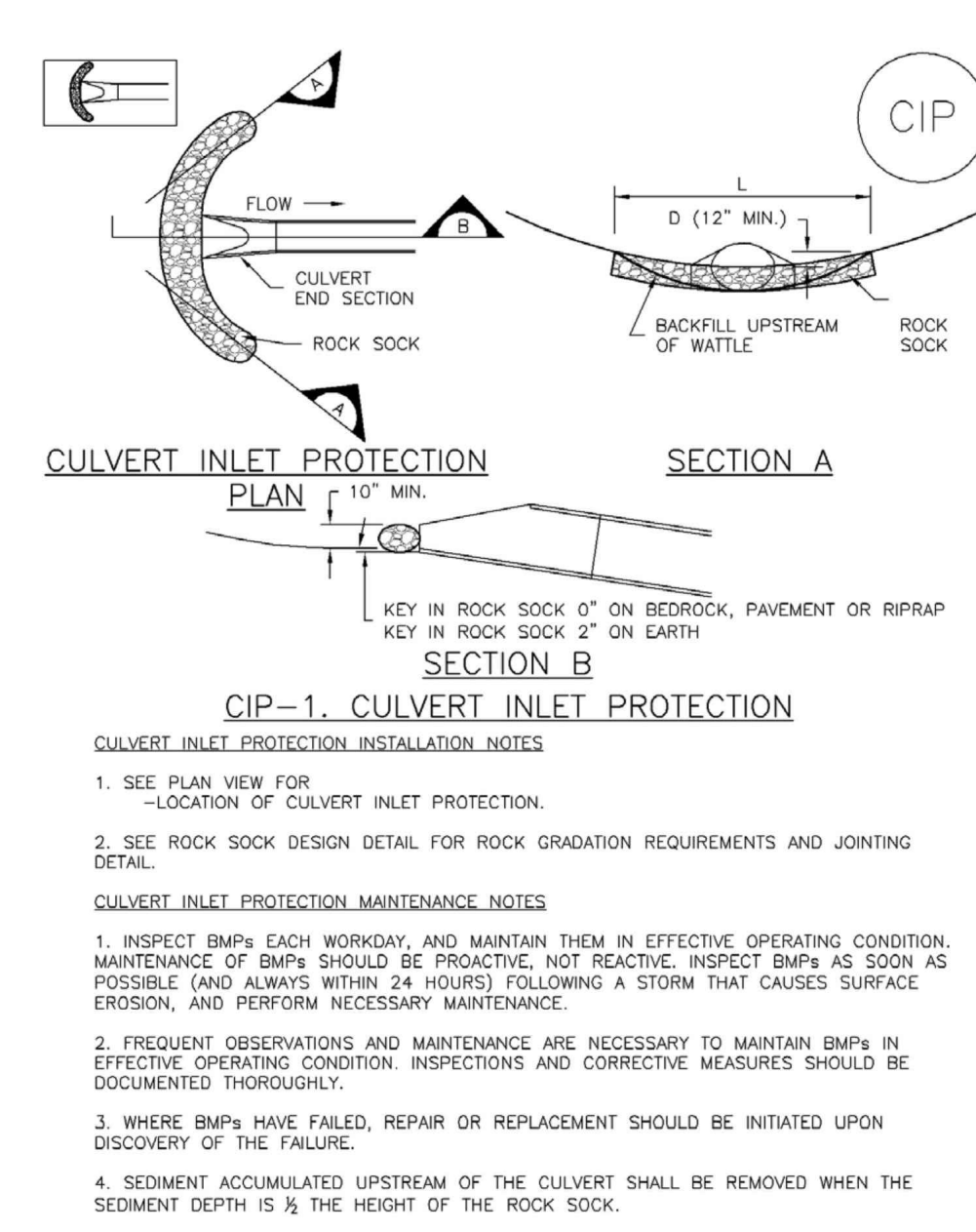
November 2010 Urban Drainage and Flood Control District EC-8

Sediment Control Log (SCL) SC-2



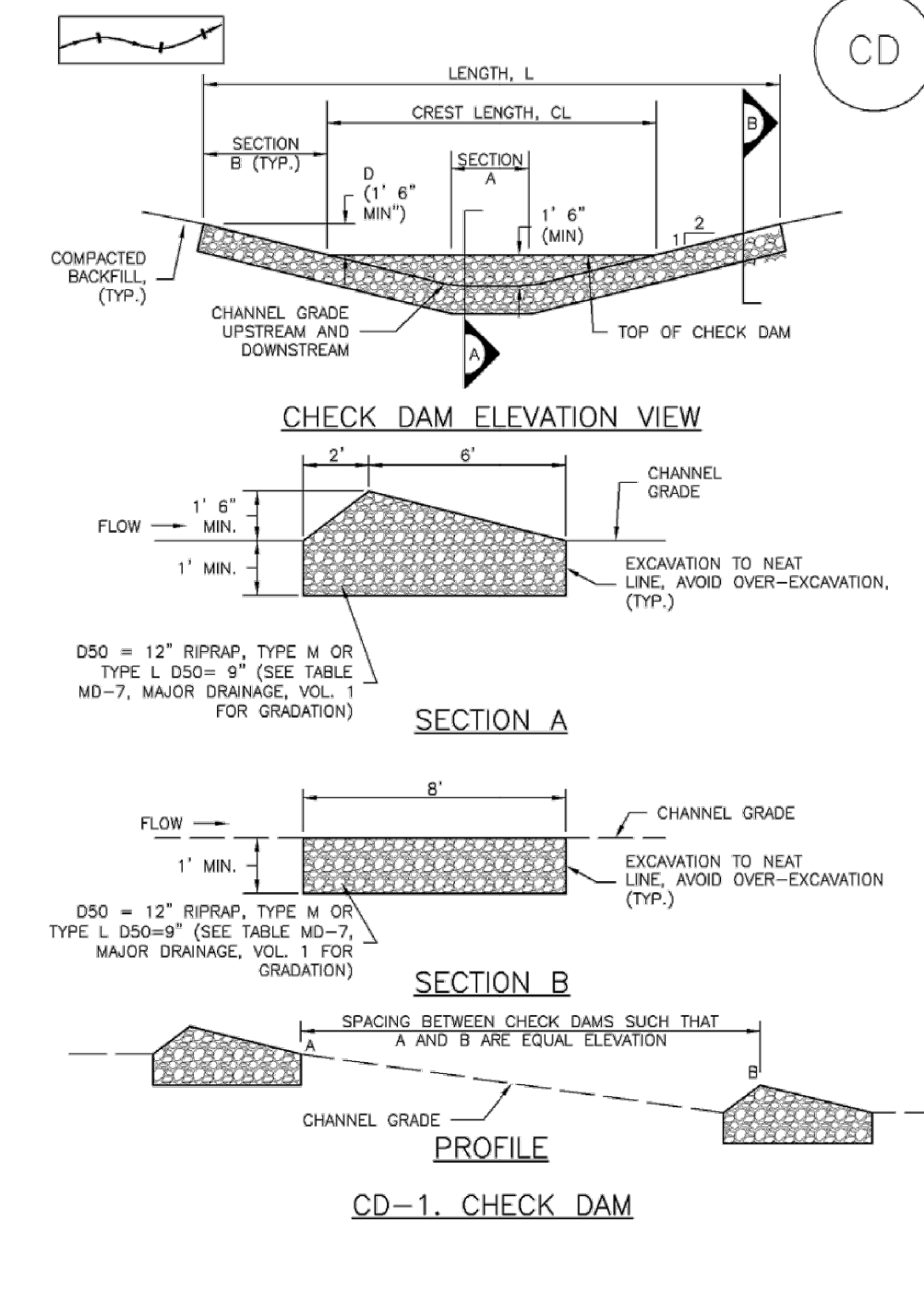
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SCL-5

Inlet Protection (IP) SC-6



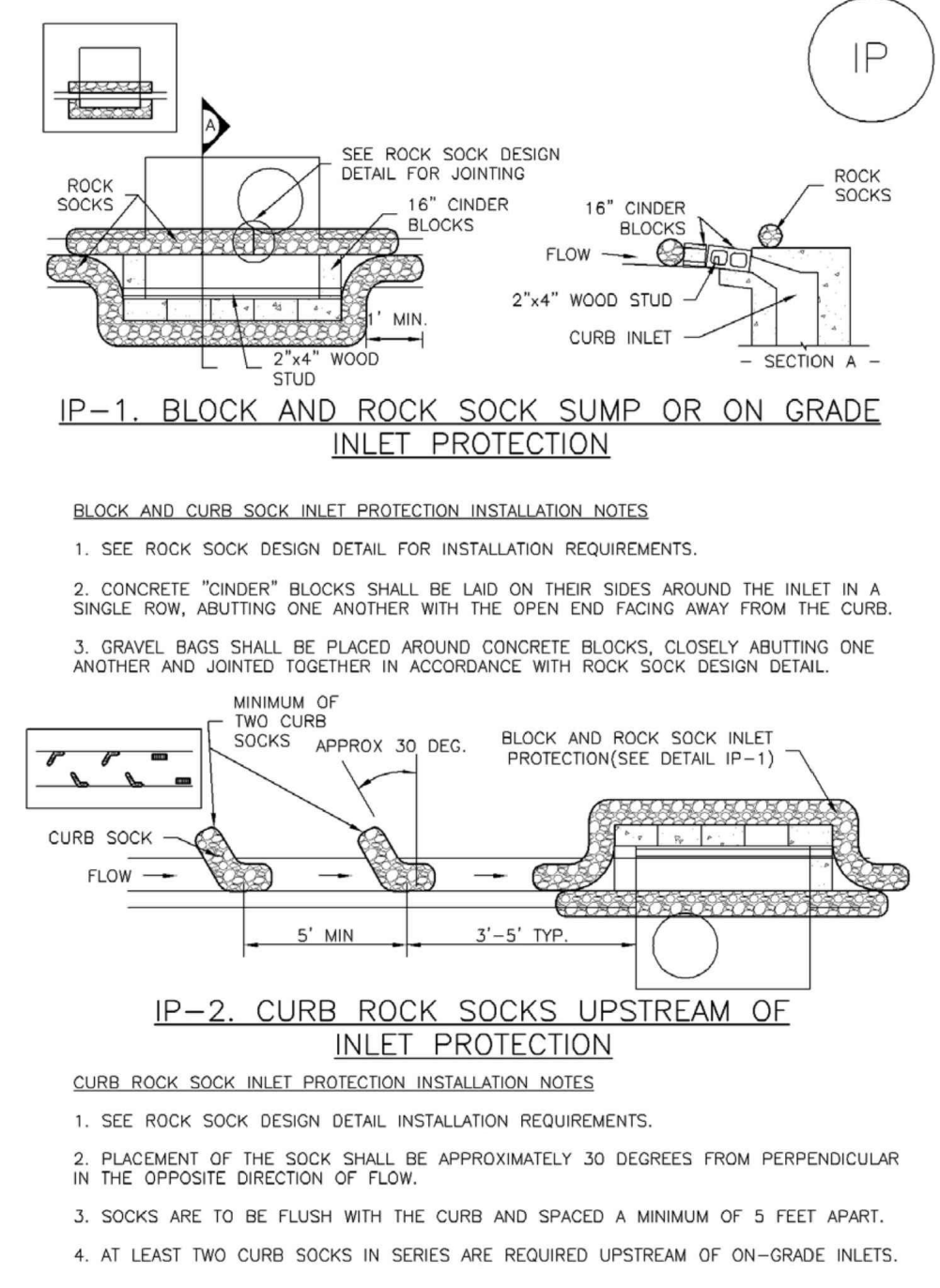
August 2013 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 IP-7

Check Dams (CD) EC-12



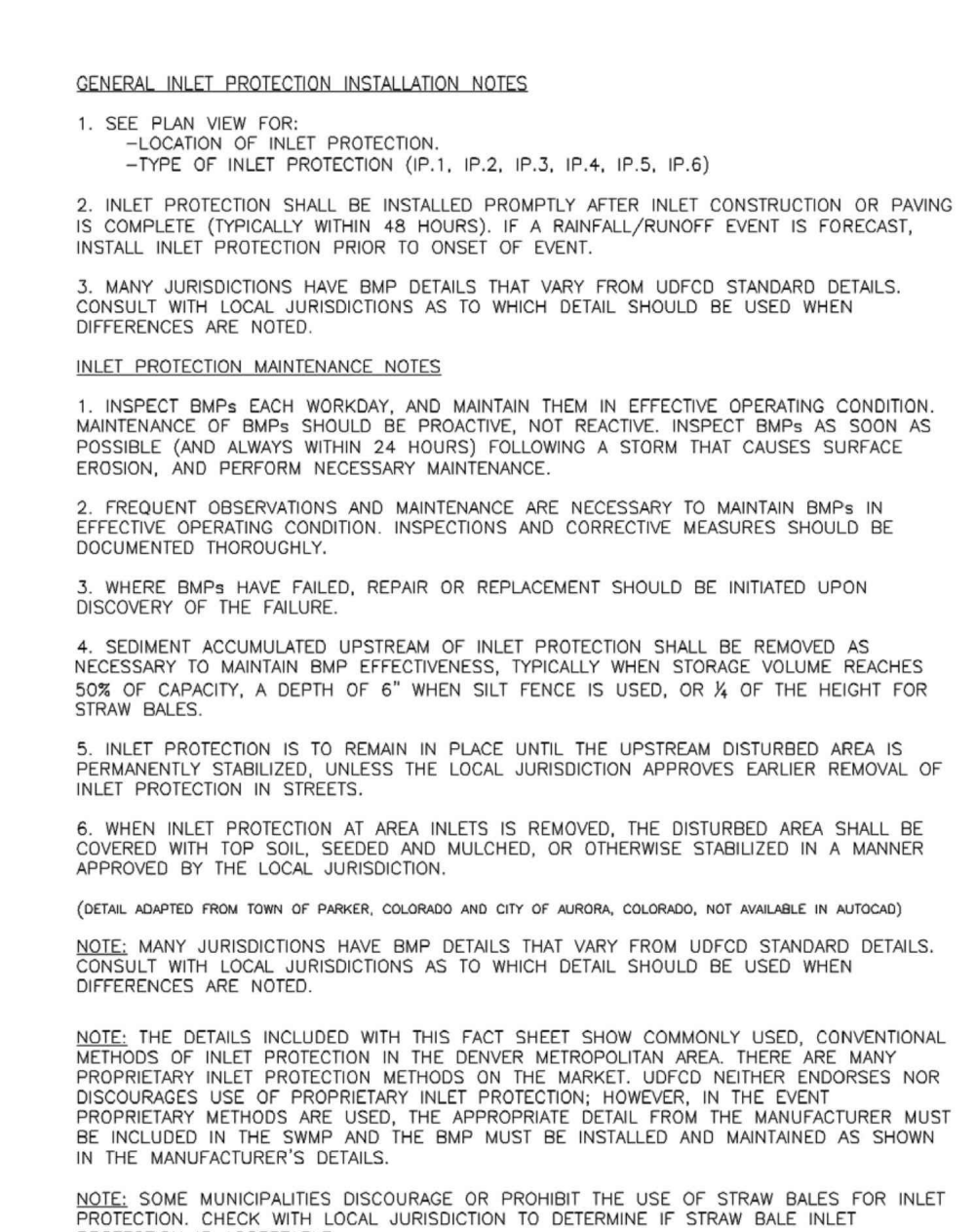
November 2010 Urban Drainage and Flood Control District EC-12

SC-6 Inlet Protection (IP) SC-6



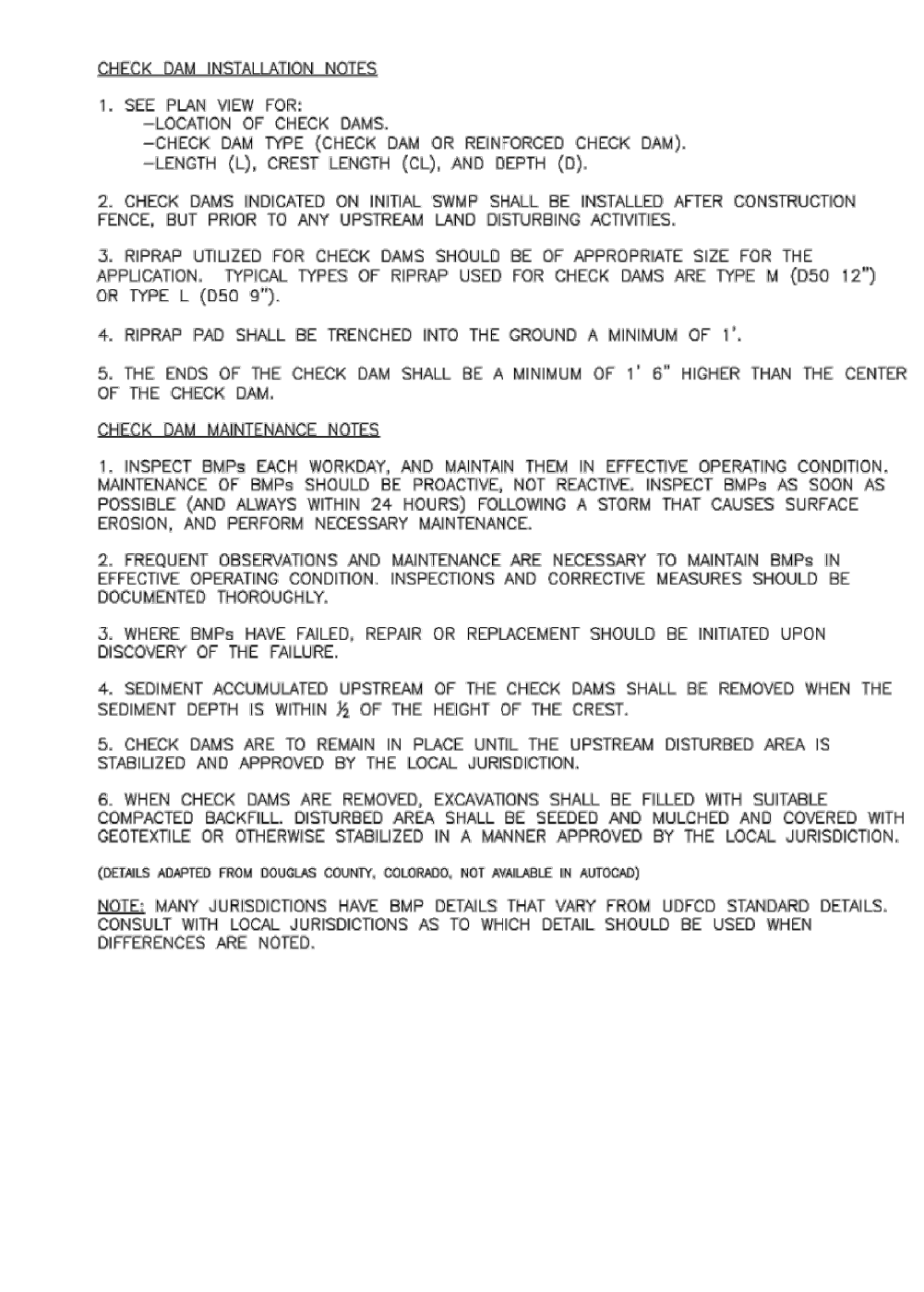
August 2013 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 IP-4

SC-6 Inlet Protection (IP) SC-6



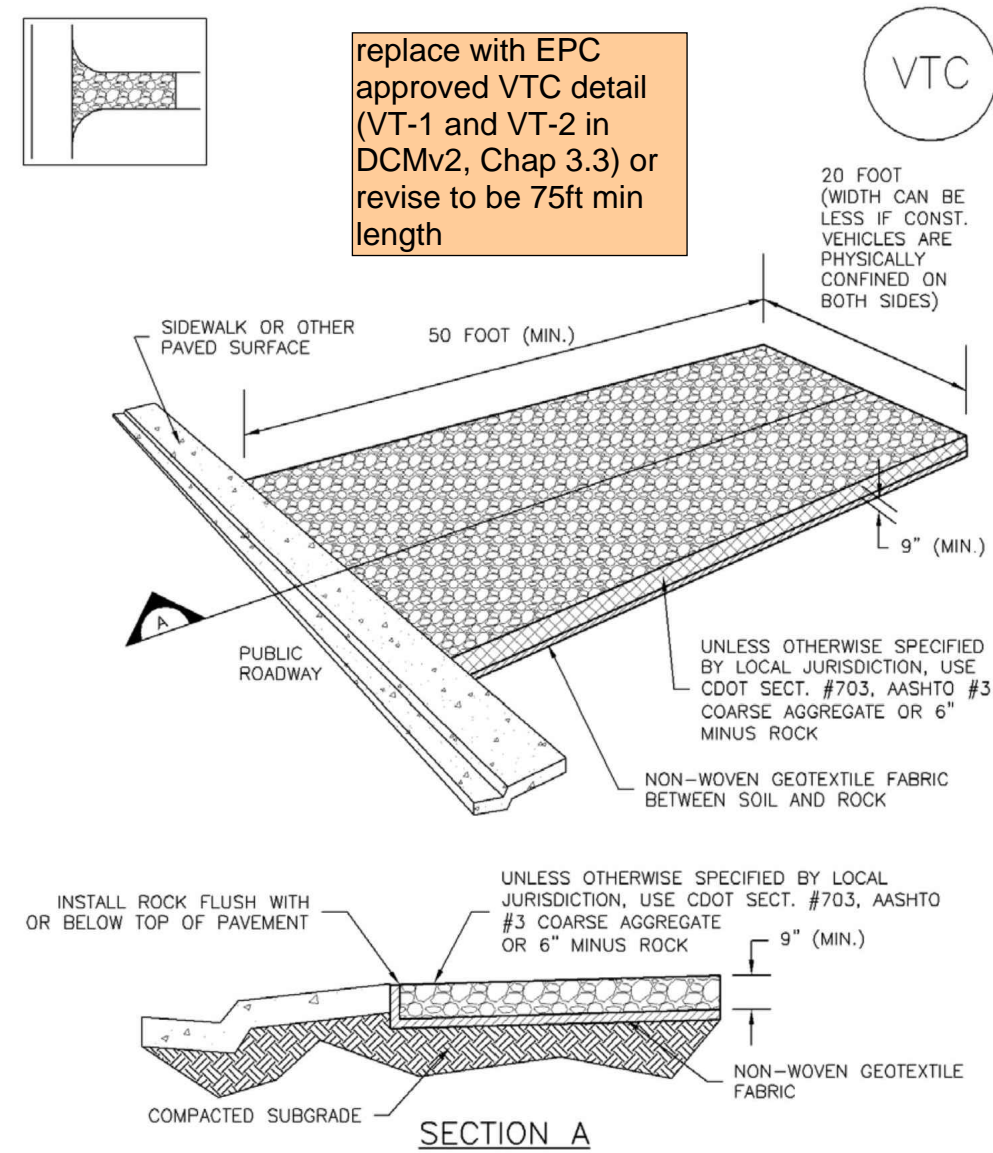
August 2013 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 IP-8

EC-12 Check Dams (CD) EC-12



November 2010 Urban Drainage and Flood Control District EC-12

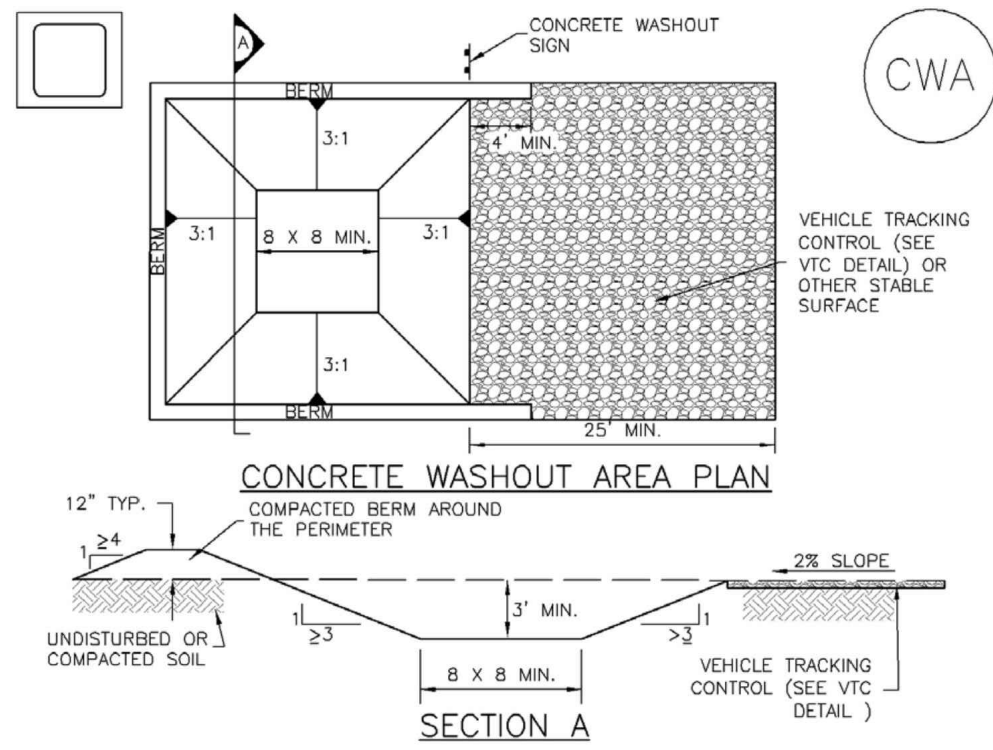
Vehicle Tracking Control (VTC) SM-4



VTC-1. AGGREGATE VEHICLE TRACKING CONTROL

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

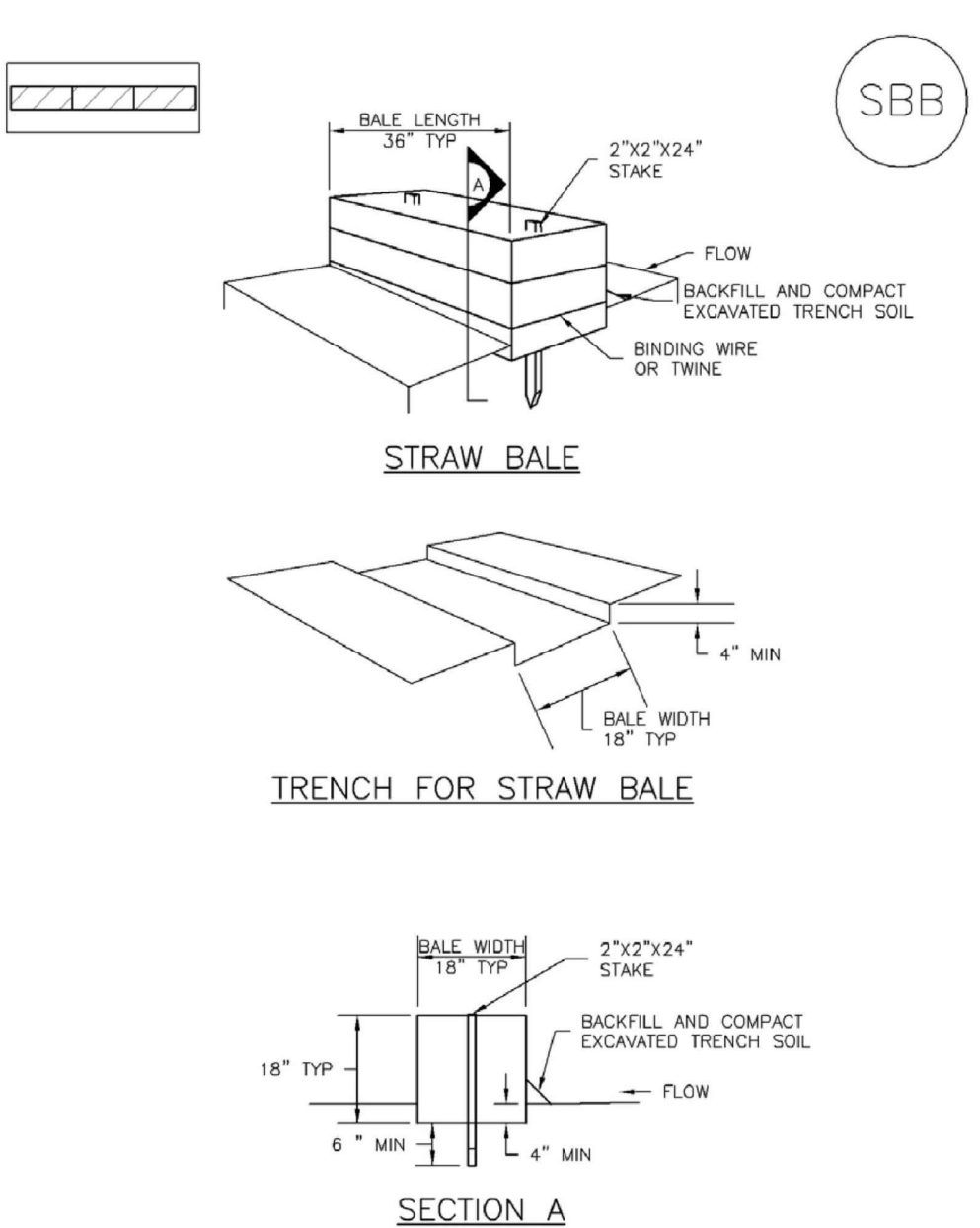
Concrete Washout Area (CWA) MM-1



CWA-1. CONCRETE WASHOUT AREA

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

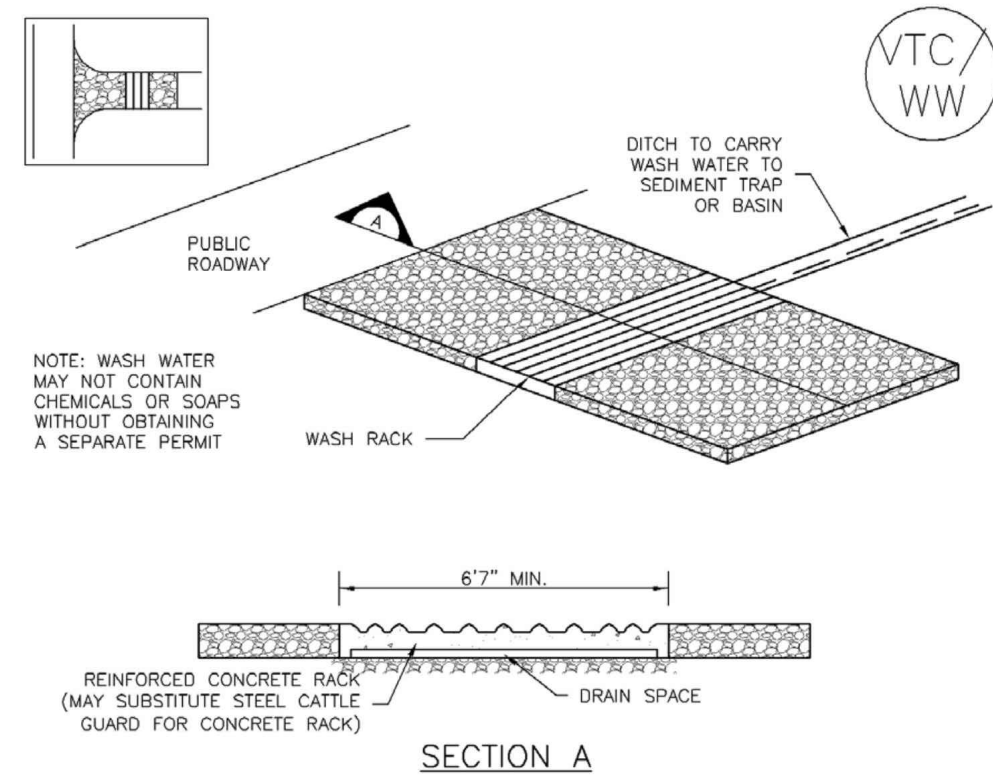
SC-3 Straw Bale Barrier (SBB)



SBB-1. STRAW BALE

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

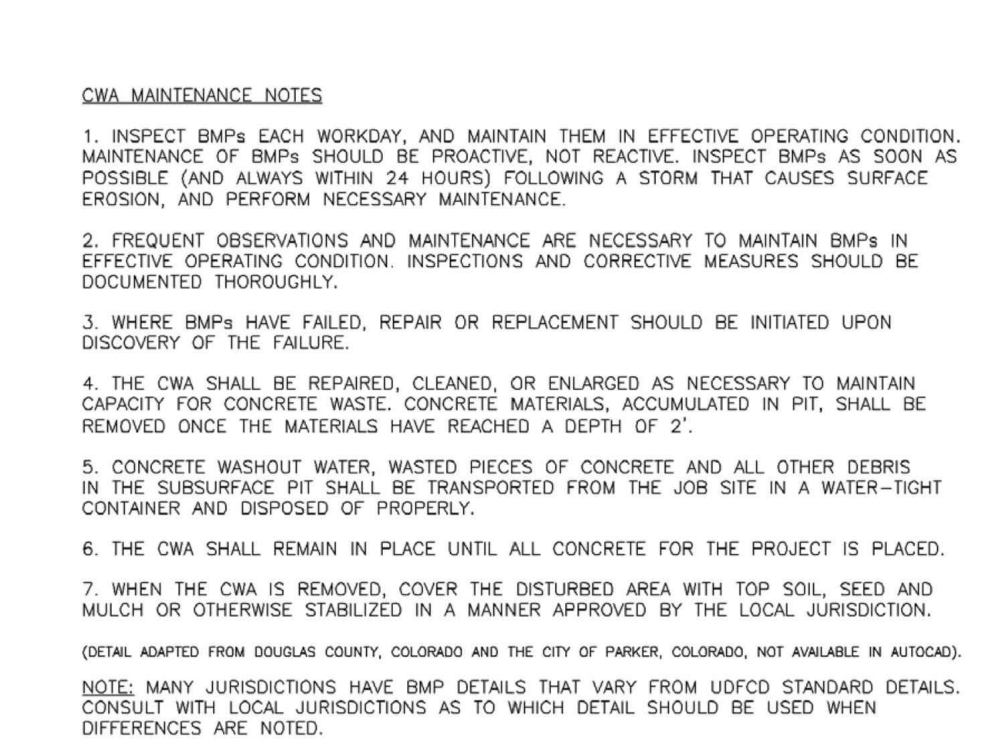
SM-4 Vehicle Tracking Control (VTC)



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

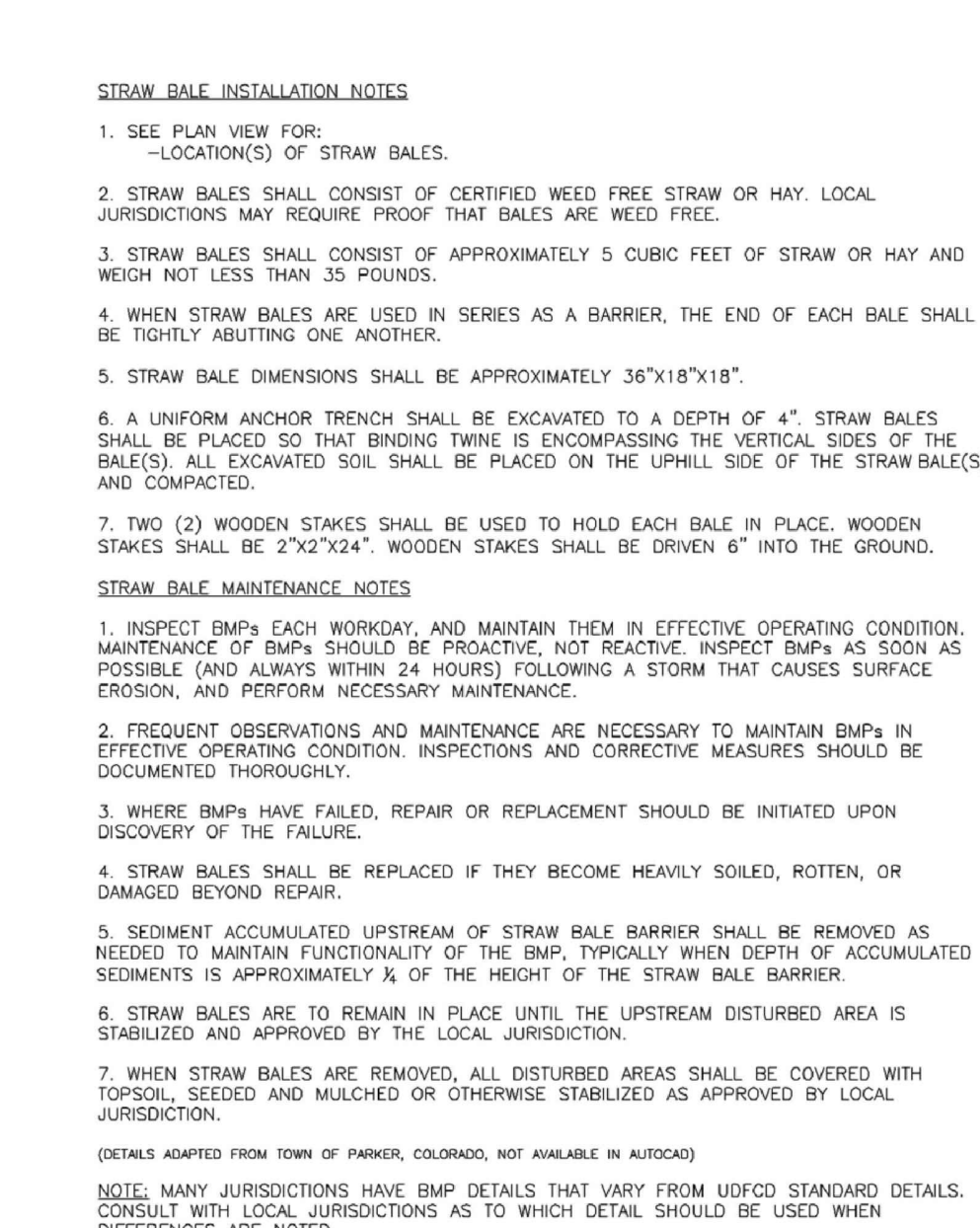
MM-1 Concrete Washout Area (CWA)



CWA-4. CONCRETE WASHOUT AREA

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

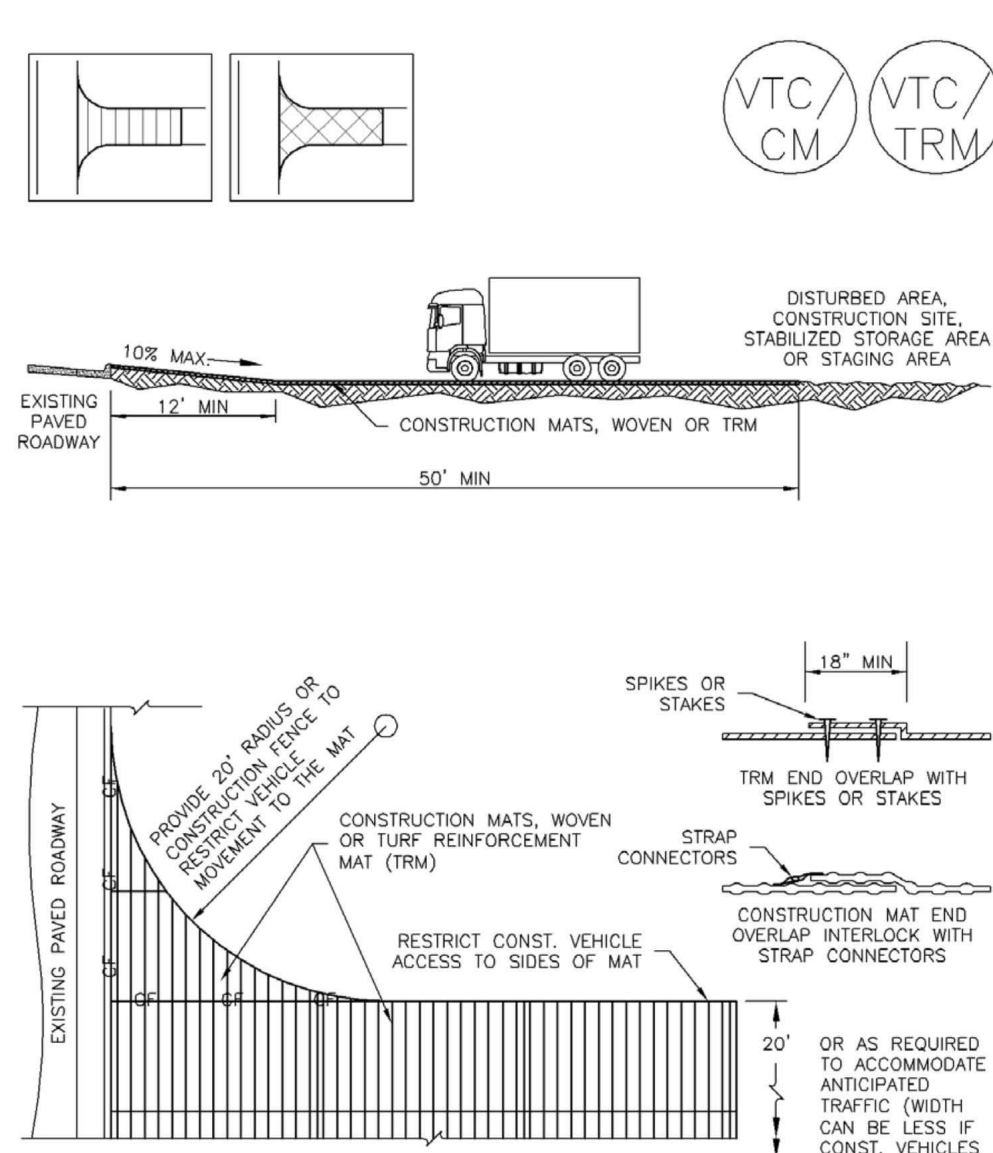
SC-3 Straw Bale Barrier (SBB)



SBB-4. STRAW BALE

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

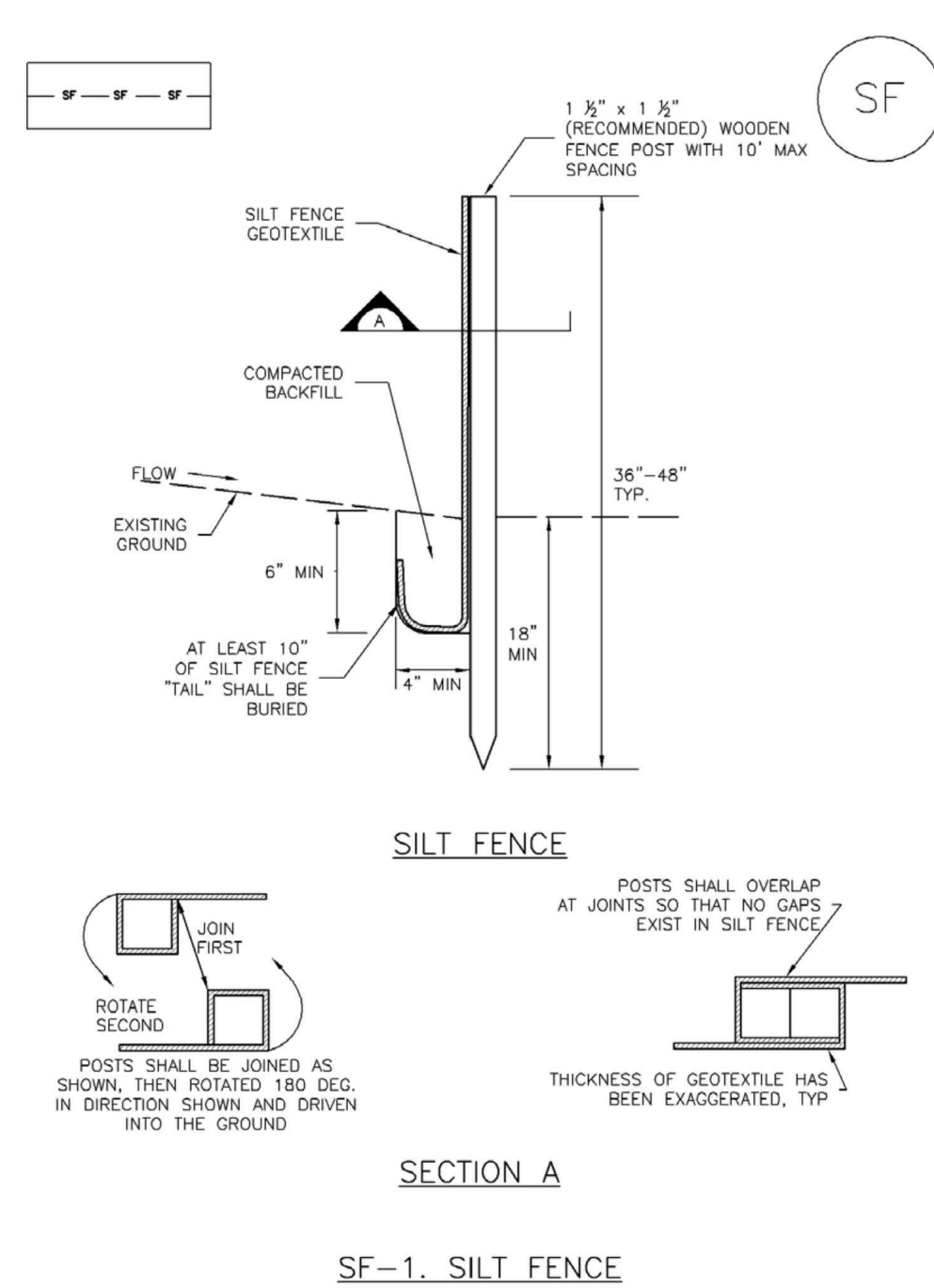
Vehicle Tracking Control (VTC) SM-4



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

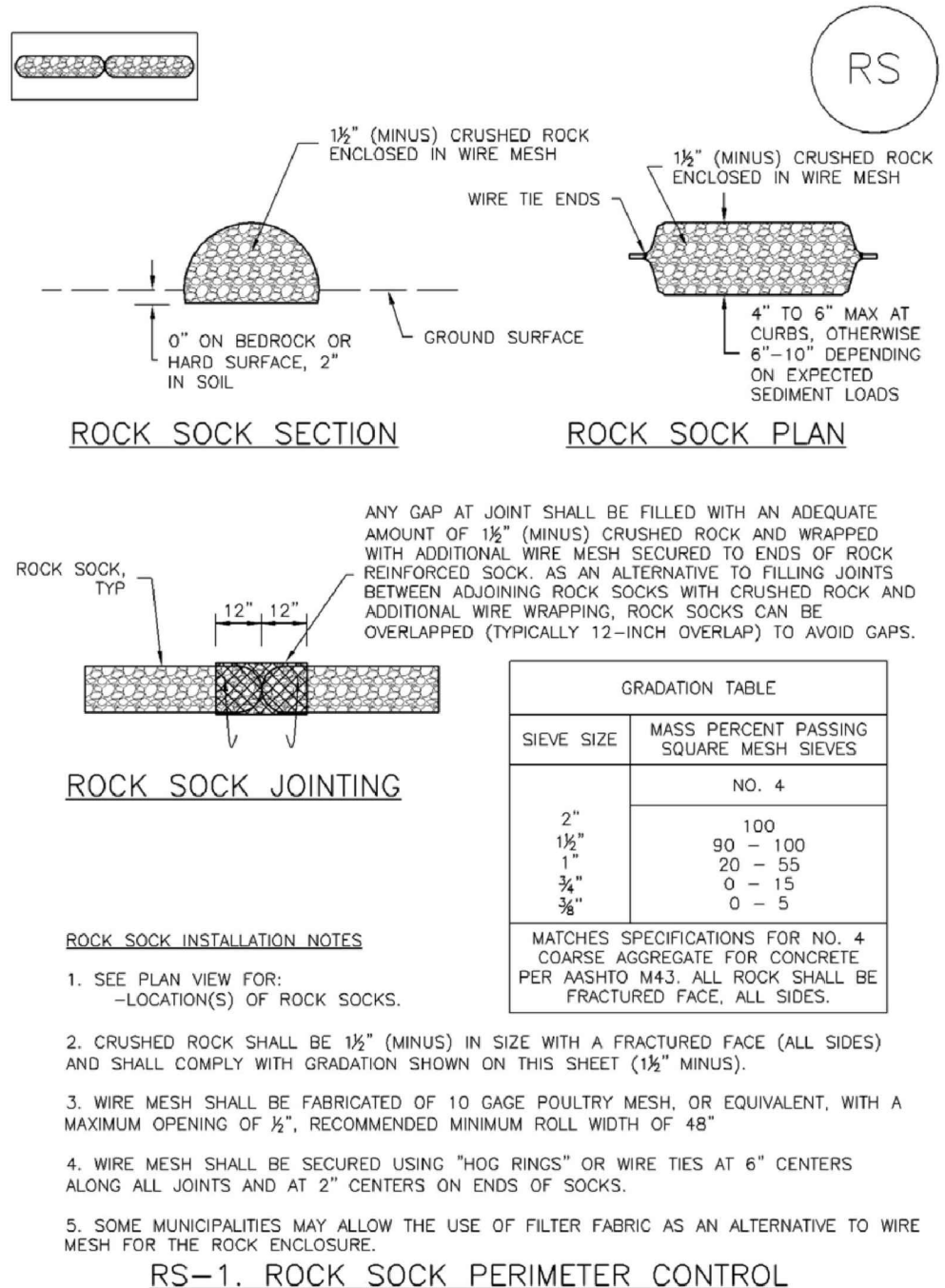
Silt Fence (SF) SC-1



SF-1. SILT FENCE

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

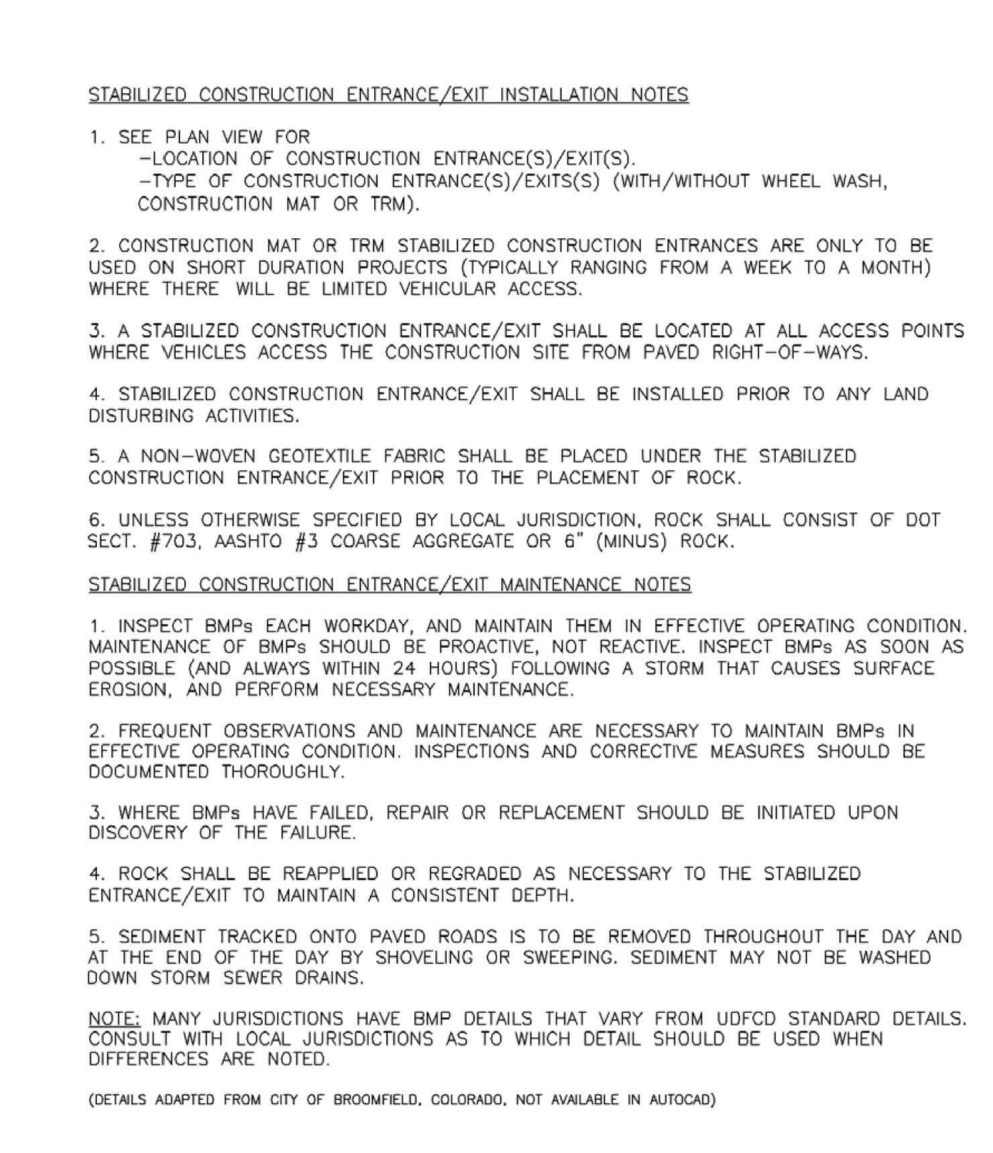
SC-5 Rock Sock (RS)



RS-1. ROCK SOCK PERIMETER CONTROL

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

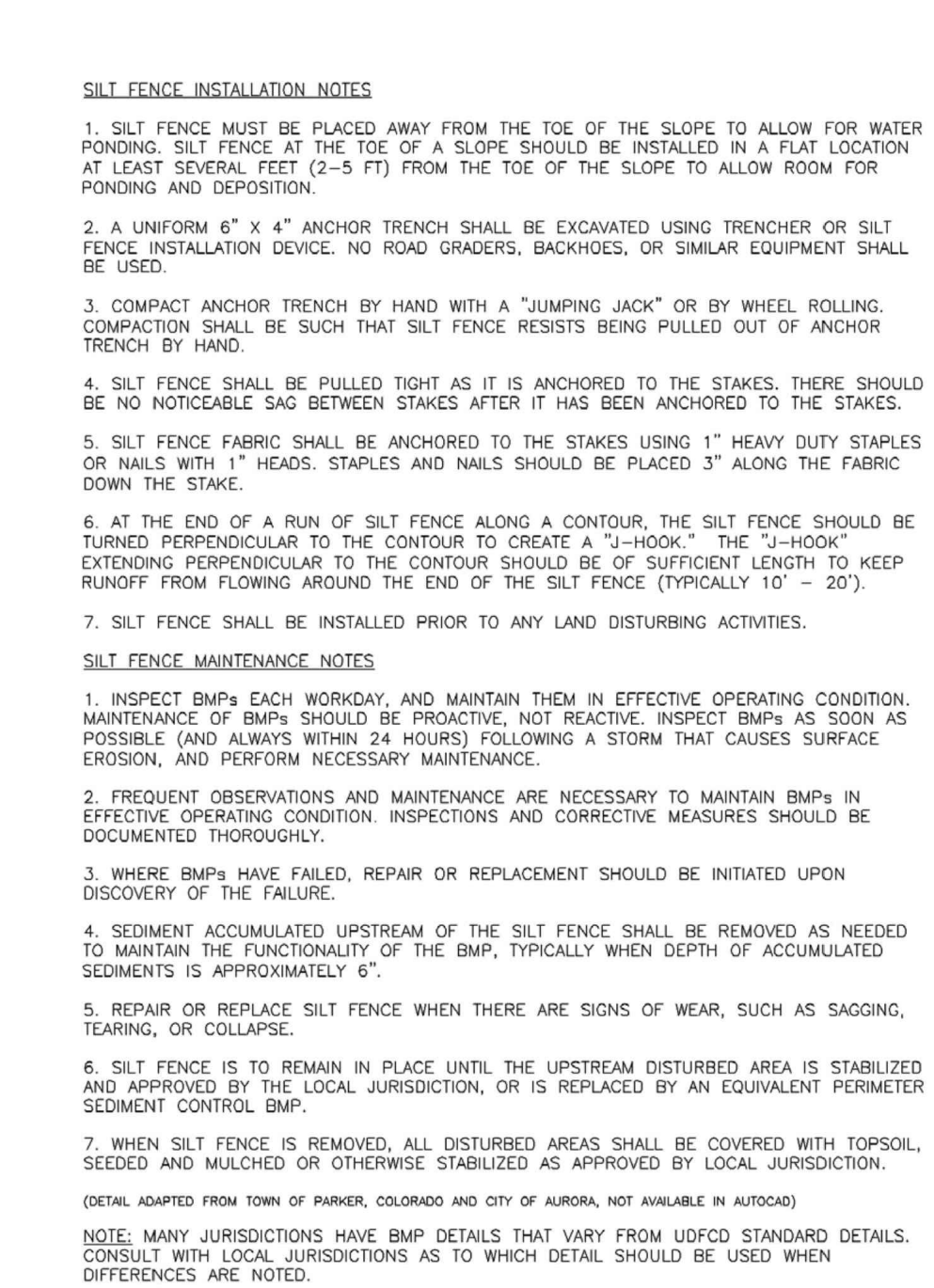
SM-4 Vehicle Tracking Control (VTC)



VTC-4. VEHICLE TRACKING CONTROL

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

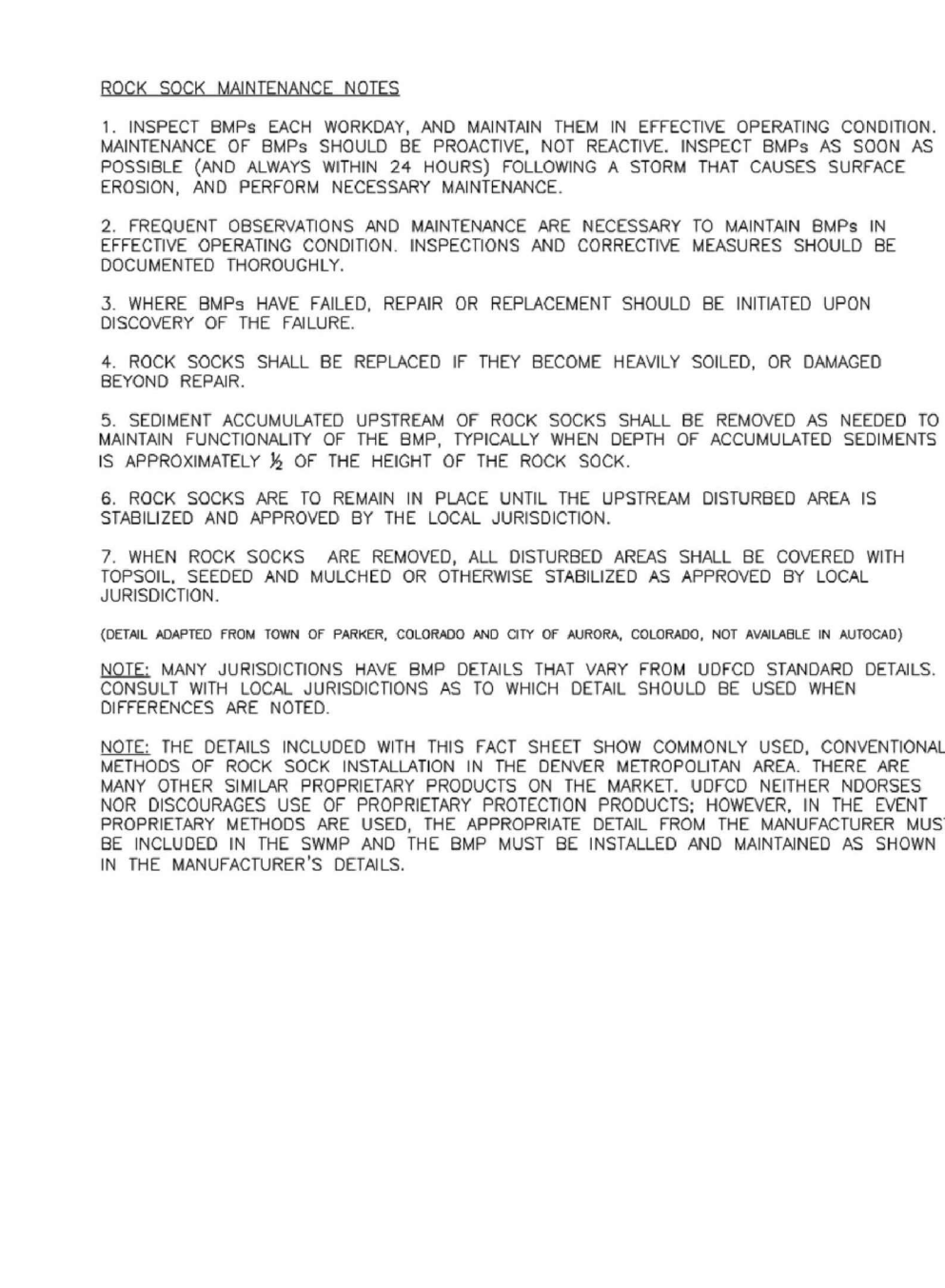
SC-1 Silt Fence (SF)



SF-2. SILT FENCE

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

Rock Sock (RS) SC-5



RS-2. 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)

EROSION CONTROL BLANKET INSTALLATION NOTES

- SEE PLAN VIEW FOR:
 - LOCATION OF ECB
 - TYPE OF ECB (STRAW, COCONUT, COCOONUT, OR EXCELSIOR)
 - AREA A IN SQUARE YARDS OF EACH TYPE OF ECB
- 100% NATURAL AND BIODEGRADABLE MATERIALS ARE PREFERRED FOR RECP. ALTHOUGH SOME JURISDICTIONS MAY ALLOW OTHER MATERIALS IN SOME APPLICATIONS.
- IN AREAS WHERE ECB ARE SHOWN ON THE PLANS, THE PERMITEE SHALL PLACE TOPSOIL AND PERFORM FINAL GRADING, SURFACE PREPARATION, AND SEEDING AND MULCHING. SURFACES SHALL BE SMOOTH AND MOST PRIORITY TO ECB INSTALLATION AND THE ECB SHALL BE IN FULL CONTACT WITH SUBGRADE. NO GAPS OR Voids SHALL EXIST UNDER THE BLANKET.
- PERMETER ANCHOR TRENCH SHALL BE USED ALONG THE OUTSIDE PERMETER OF ALL BLANKET AREAS.
- JOINT ANCHOR TRENCH SHALL BE USED TO JOIN ROLLS OF ECB TOGETHER (LONGITUDINALLY AND TRANSVERSELY) FOR ALL ECB EXCEPT STRAW WHICH MAY USE AN OVERLAPPING JOINT.
- INTERMEDIATE ANCHOR TRENCH SHALL BE USED AT SPACING OF ONE-HALF ROLL LENGTH FOR COCONUT AND EXCELSIOR ECB.
- OVERLAPPING JOINT DETAIL SHALL BE USED TO JOIN ROLLS OF ECB TOGETHER FOR ECB ON SLOPES.
- MATERIAL SPECIFICATIONS OF ECB SHALL CONFORM TO TABLE ECB-1.
- ANY AREAS OF SEEDING AND MULCHING DISTURBED IN THE PROCESS OF INSTALLING ECB SHALL BE RESEEDED AND MULCHED.
- DETAILS ON DESIGN PLANS FOR MAJOR DRAINAGEWAY STABILIZATION WILL GOVERN IF DIFFERENT FROM THOSE SHOWN HERE.

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

*THIS ECB SHOULD BE THE SUBJECT OF TEMPORARY SOIL COVER.
**NETTING TYPES MAY BE ACCEPTABLE IN SOME JURISDICTIONS.

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 BMPs EACH WORKDAY AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- ECBs SHALL BE LEFT IN PLACE TO EVENTUALLY BIODEGRADE, UNLESS REQUESTED TO BE REMOVED BY THE LOCAL JURISDICTION.
- ANY ECB FILLED OUT, TORN, OR OTHERWISE DAMAGED SHALL BE REPAIRED OR REPLANTED. ANY SUBGRADE AREAS BELOW THE GEOTEXTILE THAT HAVE ERODED TO CREATE A VOID UNDER THE BLANKET, OR THAT REMAIN DEVOID OF GRASS SHALL BE REPAIRED, RESEEDED AND MULCHED AND THE ECB REINSTALLED.

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM LISTED STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO AND TOWN OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)

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)
 - CONSTRUCTION MAY ADJUST LOCATION AND SIZE OF STAGING AREA WITH APPROVAL FROM THE LOCAL JURISDICTION.
- STABILIZED STAGING AREA SHOULD BE APPROPRIATE FOR THE NEEDS OF THE SITE. OVERSIZING RESULTS IN A LARGER AREA TO STABILIZE FOLLOWING CONSTRUCTION.
- 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, ASHFOK #1 COARSE AGGREGATE, OR #1 QUARRY ROCK.
- ADDITIONAL PERMETER BMPs MAY BE REQUIRED INCLUDING BUT NOT LIMITED TO SILT FENCE AND CONSTRUCTION FENCING.

STABILIZED STAGING AREA MAINTENANCE NOTES

- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHERE BMPs 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)

STABILIZED STAGING AREA MAINTENANCE NOTES

- STABILIZED STAGING AREA SHALL BE ENLARGED IF NECESSARY TO CONTAIN PARKING, STORAGE, AND UNLOADING/LOADING OPERATIONS.
- THE STABILIZED STAGING AREA SHALL BE REMOVED AT THE END OF CONSTRUCTION. THE GRANULAR MATERIAL SHALL BE REMOVED OR, IF APPROVED BY THE LOCAL JURISDICTION, USED ON SITE AND THE AREA COVERED WITH TOPSOIL, SEEDING AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY LOCAL JURISDICTION.

NOTE: MANY MUNICIPALITIES PROHIBIT THE USE OF RECYCLED CONCRETE AS GRANULAR MATERIAL FOR STABILIZED STAGING AREAS DUE TO DIFFICULTIES WITH RE-ESTABLISHMENT OF VEGETATION IN AREAS WHERE RECYCLED CONCRETE WAS PLACED.

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM LISTED STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO, NOT AVAILABLE IN AUTOCAD)

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
 - TYPE OF STOCKPILE PROTECTION
- INSTALL PERMETER CONTROLS IN ACCORDANCE WITH THEIR RESPECTIVE DESIGN DETAILS. SILT FENCE IS SHOWN IN THE STOCKPILE PROTECTION DETAILS; HOWEVER, OTHER TYPES OF PERMETER CONTROLS INCLUDING SEGMENT CONTROLS, LOGS OR ROCK SOCKS MAY BE SUITABLE IN SOME CIRCUMSTANCES. CONSIDERATIONS FOR DETERMINING THE APPROPRIATE TYPE OF PERMETER CONTROL FOR A STOCKPILE INCLUDE WHETHER THE STOCKPILE IS LOCATED ON A PERVIOUS OR IMPERVIOUS SURFACE, THE RELATIVE HEIGHTS OF THE PERMETER CONTROL AND STOCKPILE, THE ABILITY OF THE PERMETER CONTROL TO CONTAIN THE STOCKPILE WITHOUT FAILING IN THE EVENT THAT MATERIAL FROM THE STOCKPILE SHIFTS OR SLUMPS AGAINST THE PERMETER, AND OTHER FACTORS.
- STABILIZE THE STOCKPILE SURFACE WITH SURFACE ROUGHENING, TEMPORARY SEEDING AND MULCHING. EROSION CONTROL, BLANKETS, OR SOIL BINDERS. SOLID STOCKPILES FOR AN EXTENDED PERIOD (TYPICALLY FOR MORE THAN 60 DAYS) SHOULD BE SEEDING AND MULCHED WITH A TEMPORARY GRASS COVER ONCE THE STOCKPILE IS PLACED (TYPICALLY WITHIN 14 DAYS). USE OF MULCH ONLY ON A SOIL BENCH IS ACCEPTABLE IF THE STOCKPILE WILL BE IN PLACE FOR A MORE LIMITED TIME PERIOD (TYPICALLY 30-60 DAYS).
- FOR TEMPORARY STOCKPILES ON THE INTERIOR PORTION OF A CONSTRUCTION SITE, WHERE OTHER DOWNGRADEMENT CONTROLS, INCLUDING PERMETER CONTROL, ARE IN PLACE, STOCKPILE PERMETER 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)

STOCKPILE PROTECTION MAINTENANCE NOTES

- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

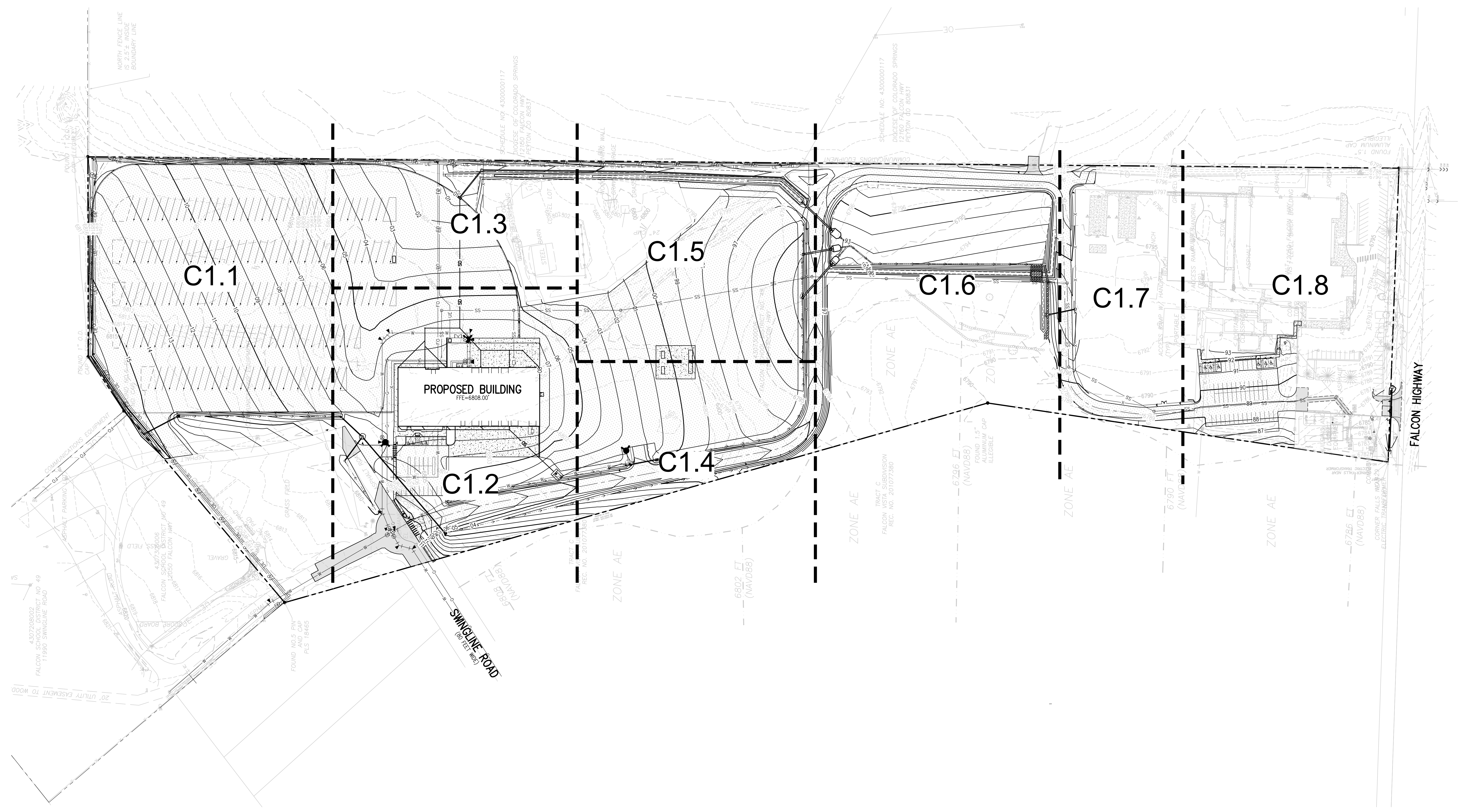
STOCKPILE PROTECTION MAINTENANCE NOTES

- IF PERMETER PROTECTION MUST BE MOVED TO ACCESS SOIL STOCKPILE, REPLACE PERMETER CONTROLS BY THE END OF THE WORKDAY.
- STOCKPILE PERMETER CONTROLS CAN BE REMOVED ONCE ALL THE MATERIAL FROM THE STOCKPILE HAS BEEN USED.

(DETAILS ADAPTED FROM PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM LISTED STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

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



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



SHEET TITLE
OVERALL GRADING AND DRAINAGE PLAN

WTA PROJECT NUMBER
2021-041.00
DATE
09/20/2022

#	DATE	DESCRIPTION
1		ISSUED FOR CONSTRUCTION DOCUMENTS

C1.0

SCALE IN FEET
0 80 160

GRADING AND DRAINAGE NOTES:

- CONTRACTOR TO FIELD VERIFY ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. REFER TO GENERAL NOTES FOR UTILITY LOCATION AND PROTECTION.
- REFER TO HORIZONTAL CONTROL PLAN FOR FURTHER INFORMATION PERTAINING TO CURB & GUTTER, CHASES, AND DRAINAGE PANS.
- CONTRACTOR IS RESPONSIBLE FOR RESTORING ALL DISTURBED AREAS TO THEIR ORIGINAL CONDITIONS.
- ALL SPOT ELEVATIONS ARE TO FINISHED GRADE OR FLOWLINE UNLESS OTHERWISE SPECIFIED.
- 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.)



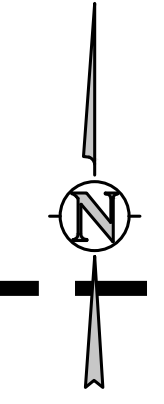
call out all riprap type and dimensions.
Provide riprap gradation table and note that CDOT Section 506 Requirements apply.

12" CONC PES
INV. 6870.86
N=1828.85
E7353.95

12" CONC PES
RIM 6807.03
INV. OUT(SW) 6805.69 (12" RCP)
N=2200.42
E7353.95

MATCHLINE - SEE SHEET C1.2

MATCHLINE - SEE SHEET C1.3



D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
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SHEET TITLE
GRADING AND DRAINAGE PLAN A

WTA PROJECT NUMBER
2021-041.00

DATE
09/20/2022

REVISIONS

#	DATE	DESCRIPTION

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

ISSUED FOR
CONSTRUCTION DOCUMENTS

C1.1

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



SHEET TITLE
GRADING AND DRAINAGE PLAN B

DATE PROJECT NUMBER
2021-041.00

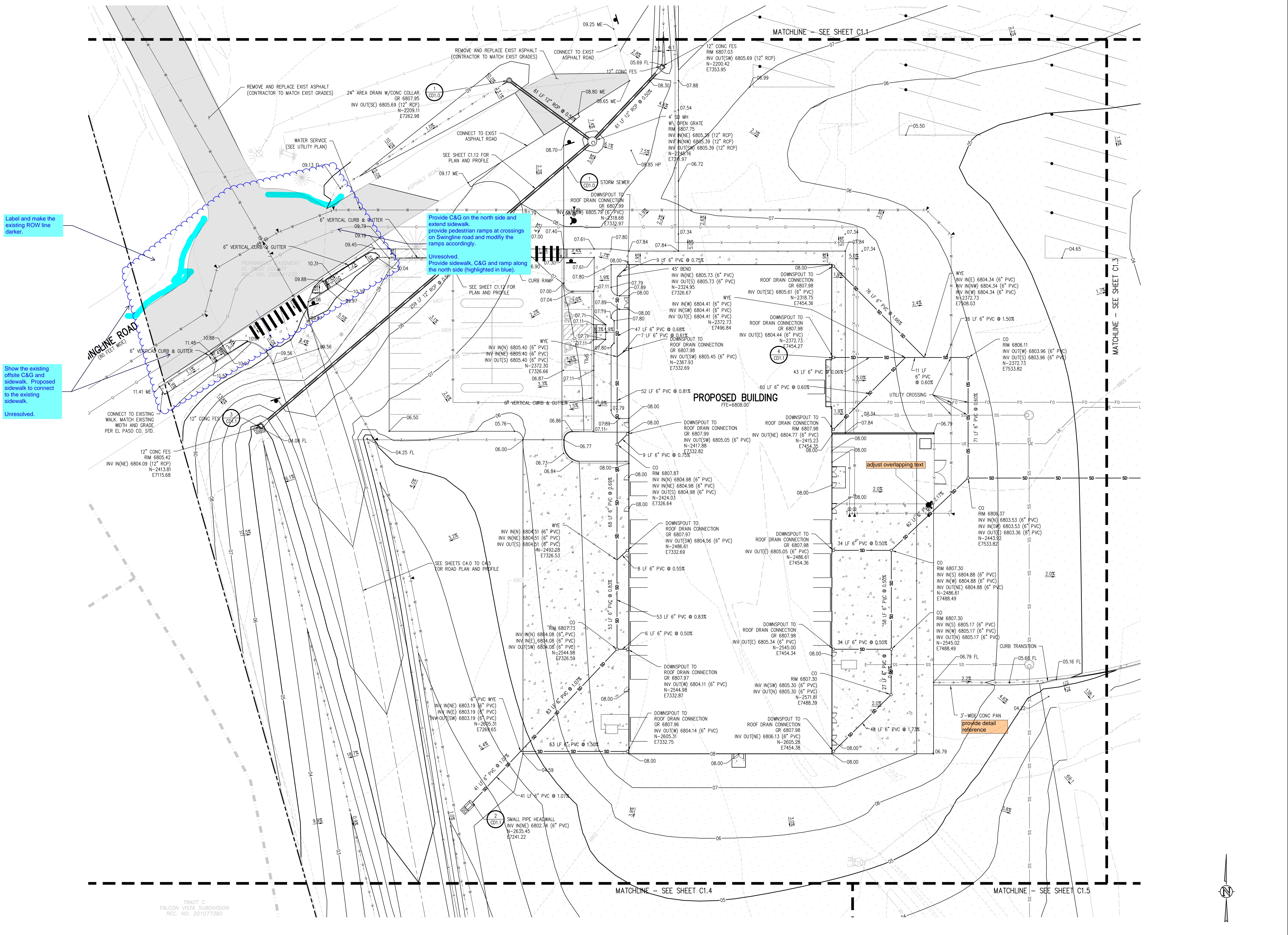
DATE
09/20/2022

REVISIONS

#	DATE	DESCRIPTION

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

ISSUED FOR:
CONSTRUCTION DOCUMENTS



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 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).

adjust overlapping text

provide detail reference

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
GRADING AND DRAINAGE PLAN C

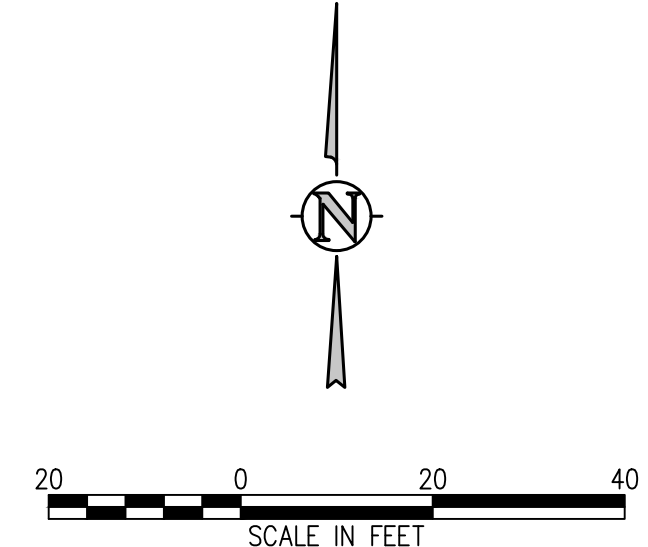
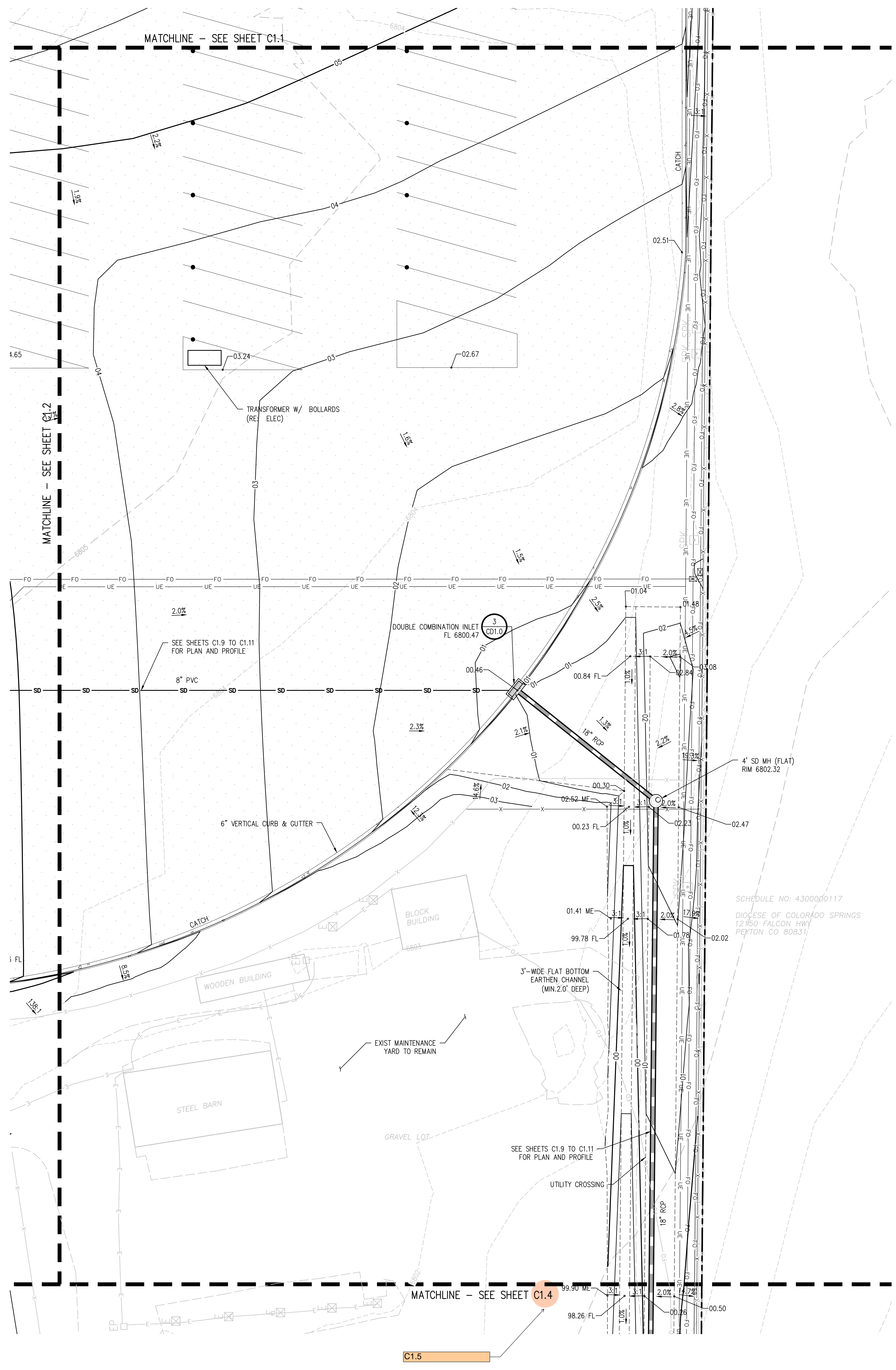
RTA PROJECT NUMBER
2021-041.00
 DATE
09/20/2022

#	DATE	DESCRIPTION

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

ISSUED FOR
CONSTRUCTION DOCUMENTS

C1.3



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



SHEET TITLE
GRADING AND DRAINAGE PLAN D

WTA PROJECT NUMBER
2021-041.00

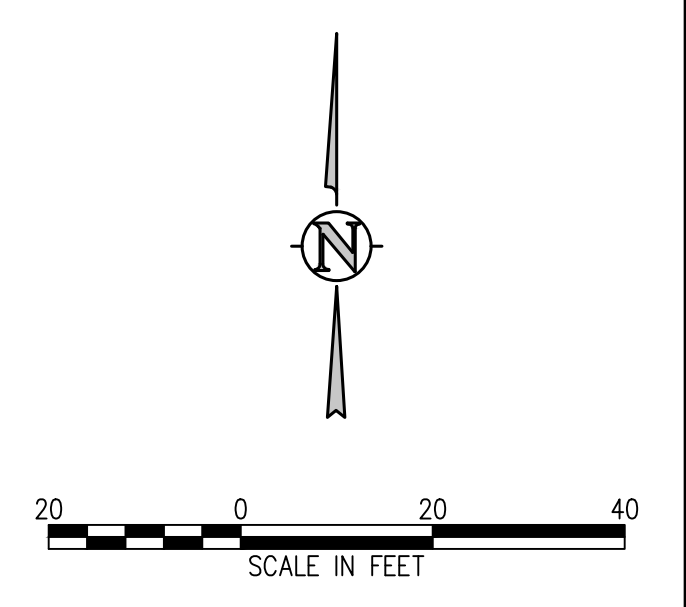
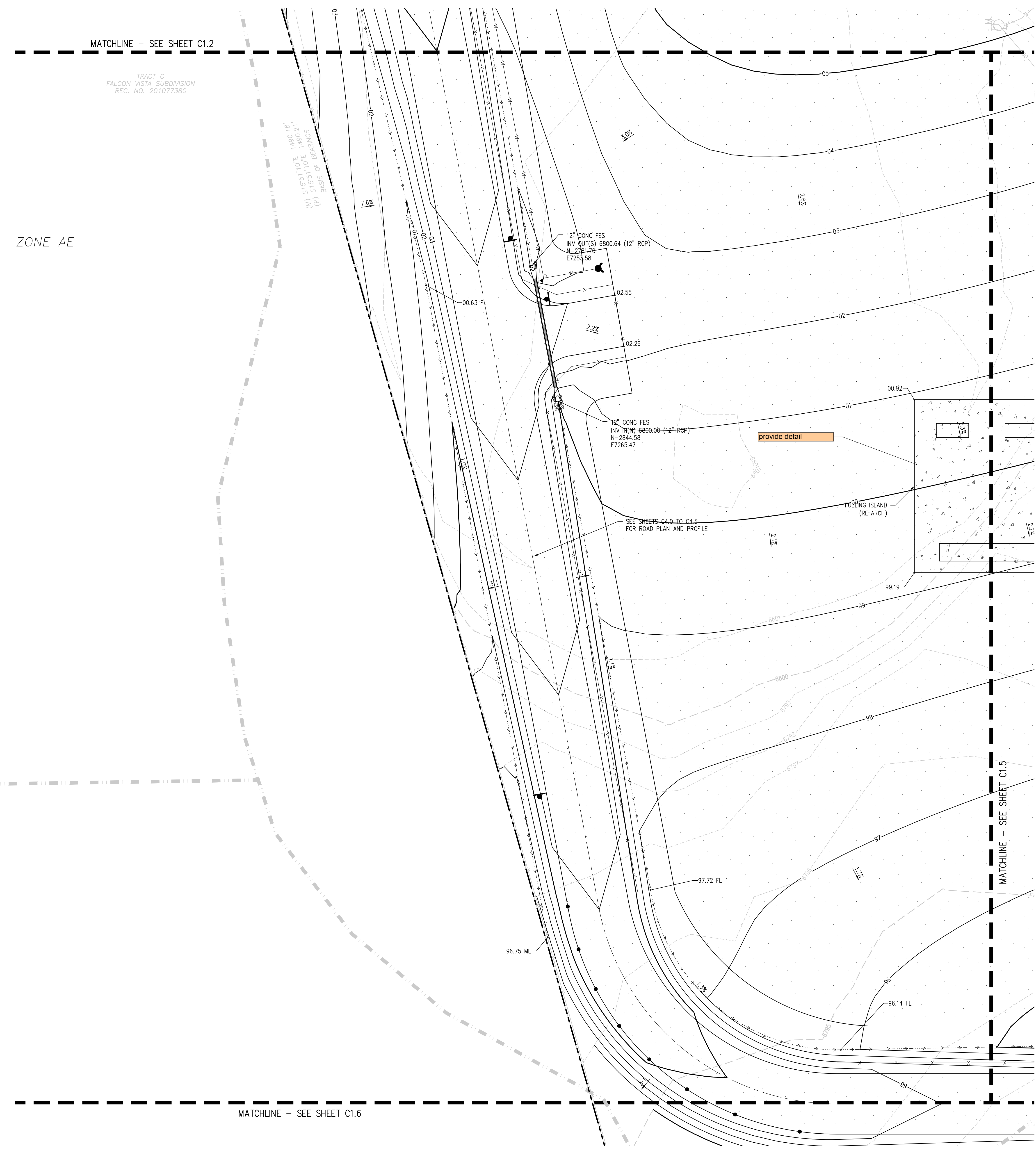
DATE
09/20/2022

REVISIONS	DATE	DESCRIPTION
1		

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

ISSUED FOR
CONSTRUCTION DOCUMENTS

C1.4



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



SHEET TITLE
GRADING AND DRAINAGE PLAN E

DATE PROJECT NUMBER
2021-041.00

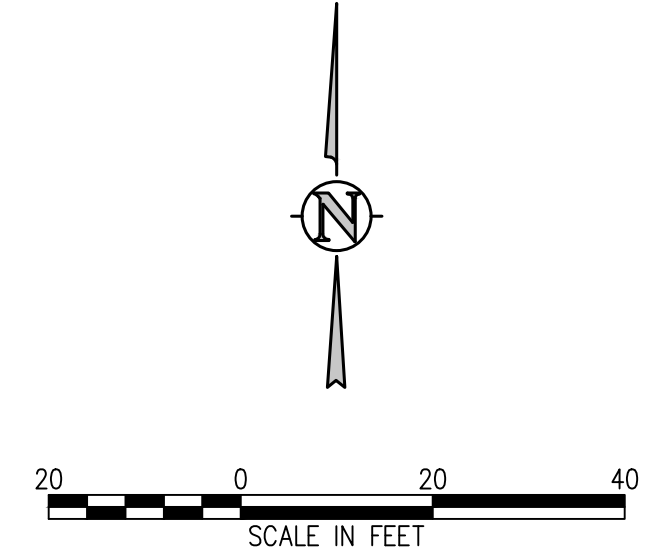
DATE
09/20/2022

REVISIONS

#	DATE	DESCRIPTION

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

ISSUED FOR
CONSTRUCTION DOCUMENTS



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



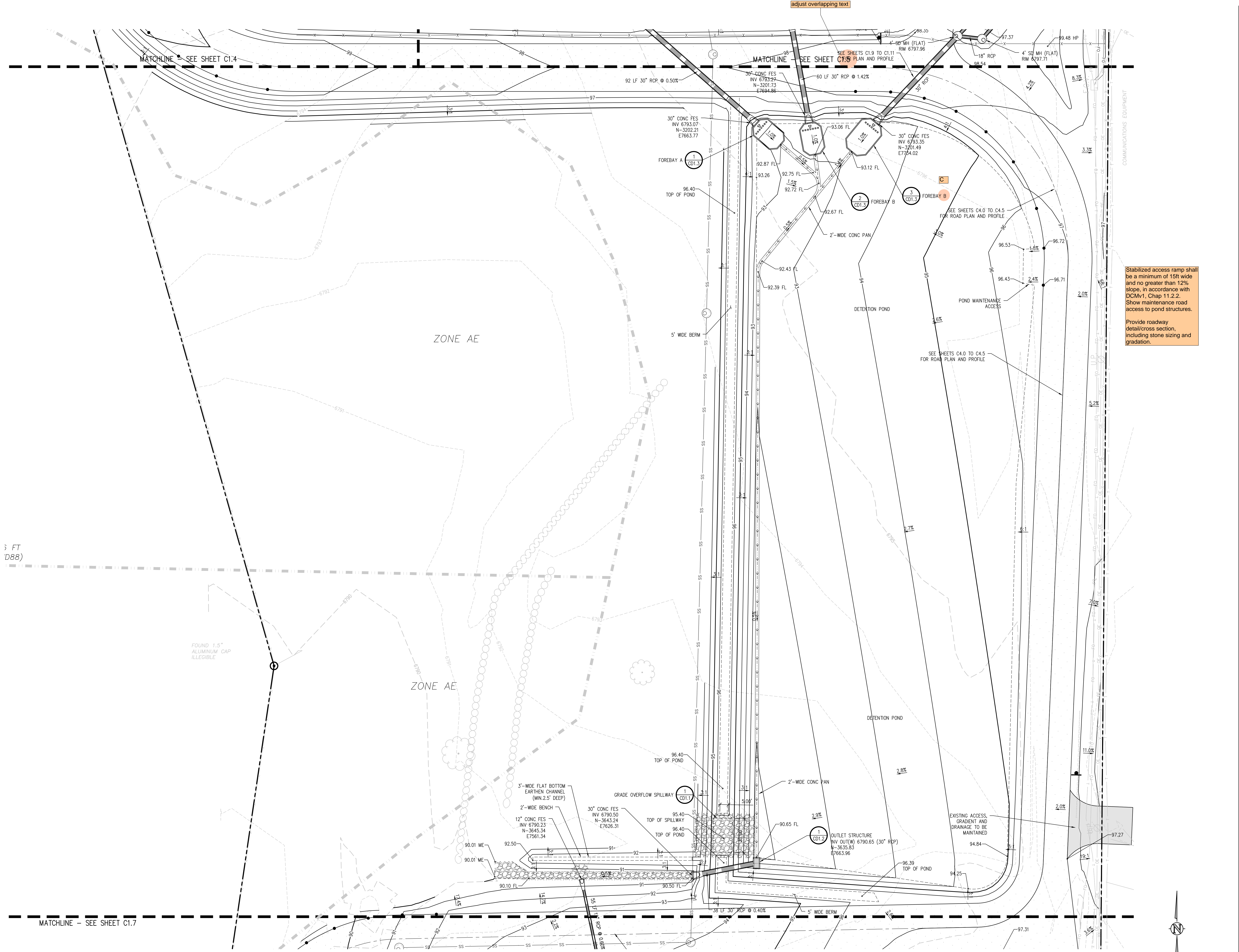
SHEET TITLE
GRADING AND DRAINAGE PLAN F

WTA PROJECT NUMBER
2021-041.00
DATE
09/20/2022

#	DATE	DESCRIPTION

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

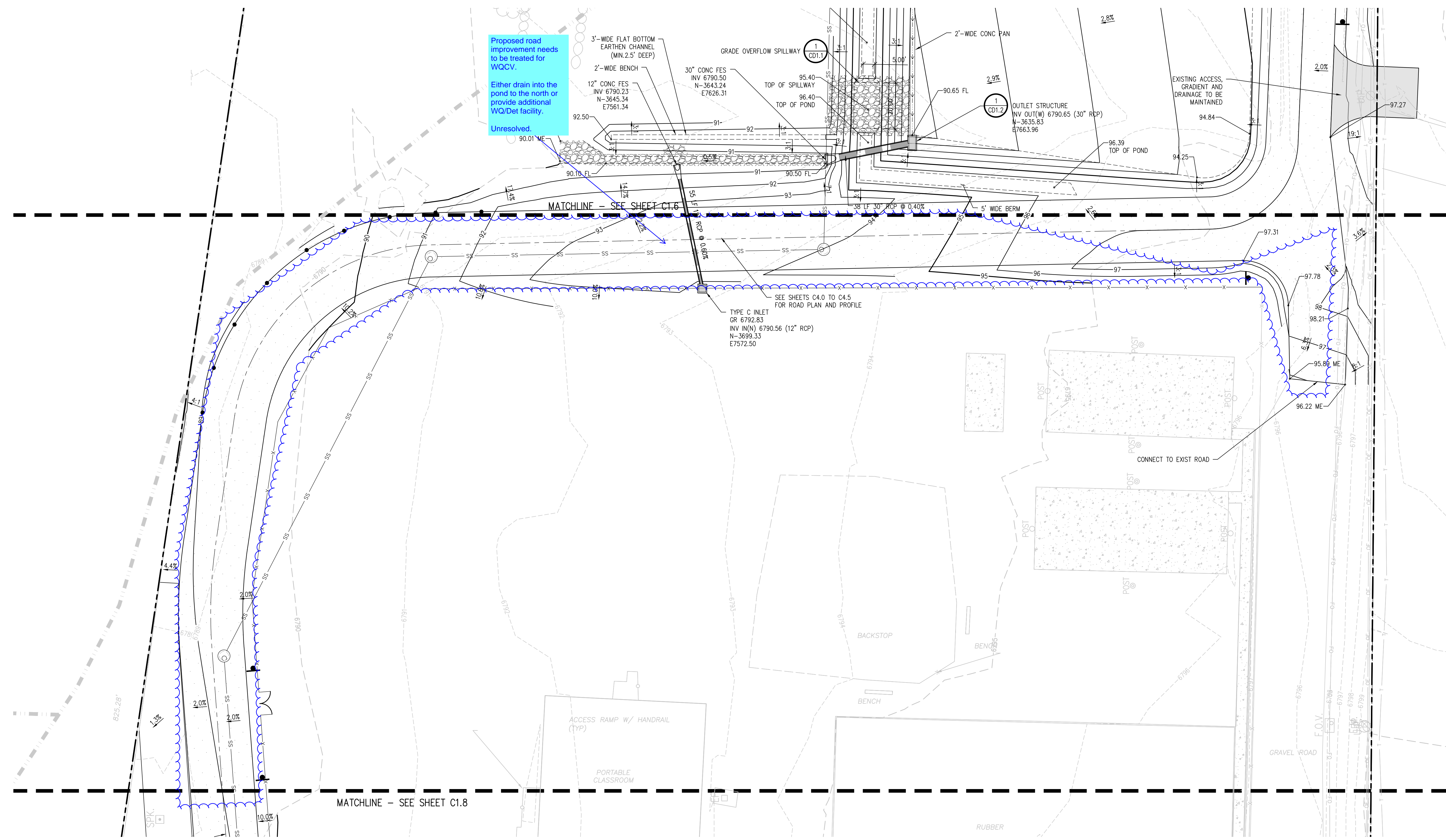
ISSUED FOR
CONSTRUCTION DOCUMENTS



Stabilized access ramp shall be a minimum of 15ft wide and no greater than 12% slope, in accordance with DCM1, Chap 11.2.2. Show maintenance road access to pond structures.

Provide roadway detail/cross section, including stone sizing and gradation.

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Proposed road improvement needs to be treated for WOCV.
Either drain into the pond to the north or provide additional WQ/Det facility.
Unresolved.

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



SHEET TITLE
GRADING AND DRAINAGE PLAN G

RTA PROJECT NUMBER
2021-041.00

DATE
09/20/2022

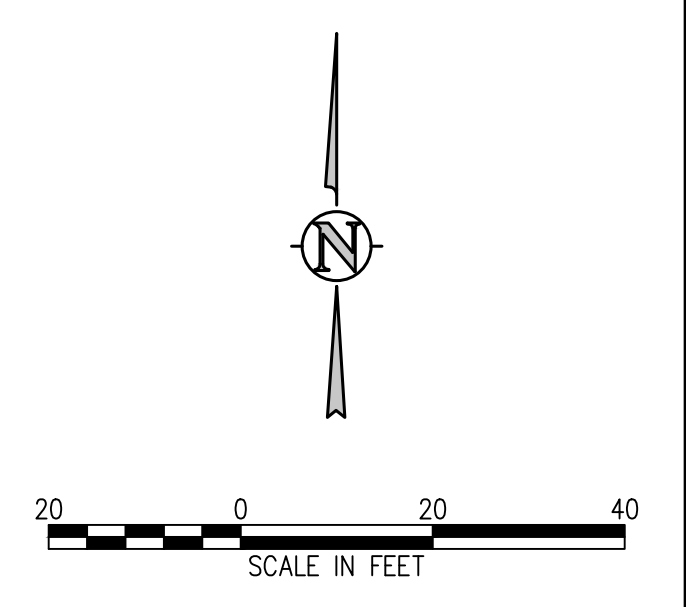
REVISIONS

#	DATE	DESCRIPTION

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

ISSUED FOR
CONSTRUCTION DOCUMENTS

C1.7



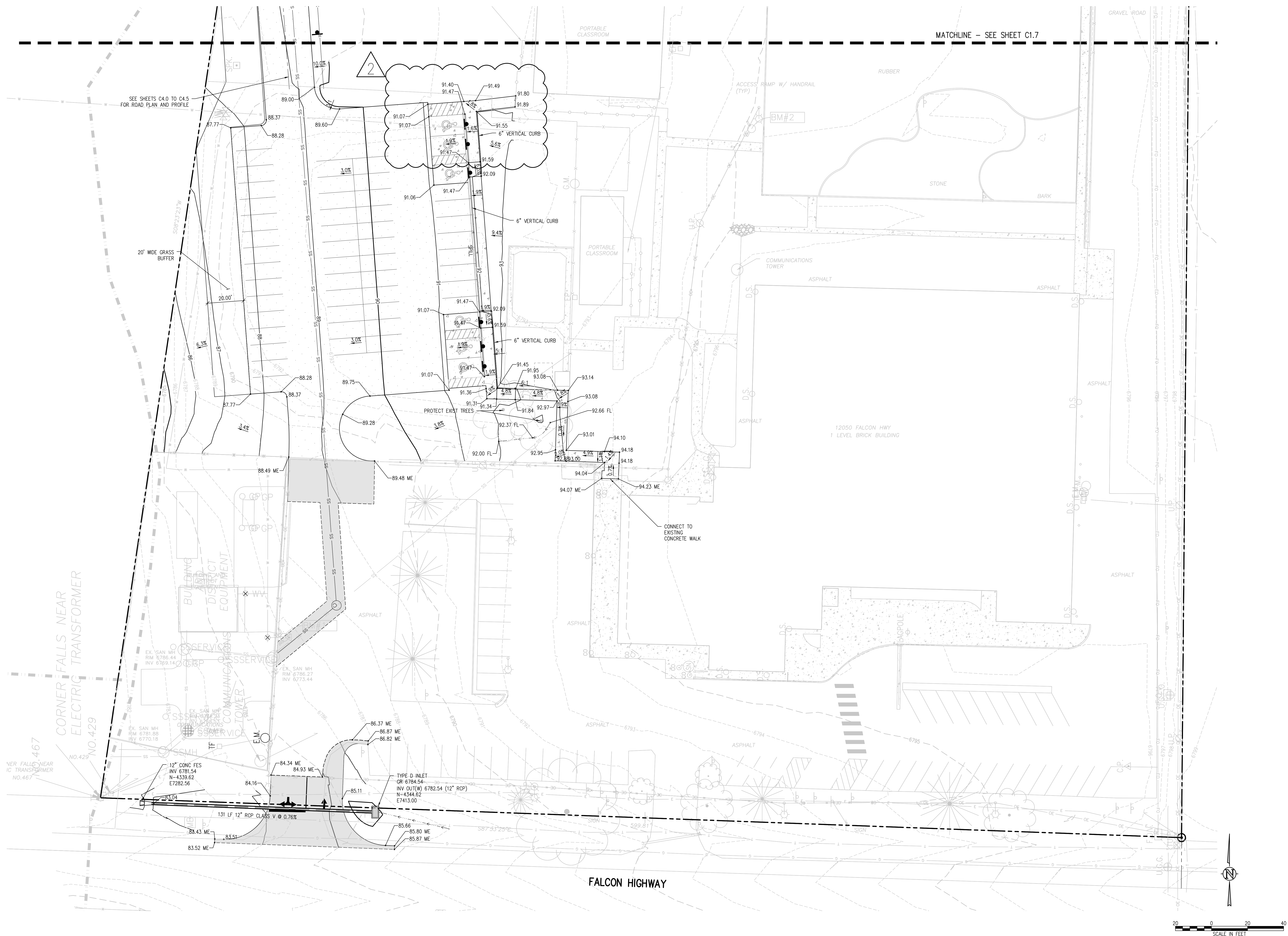
D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831



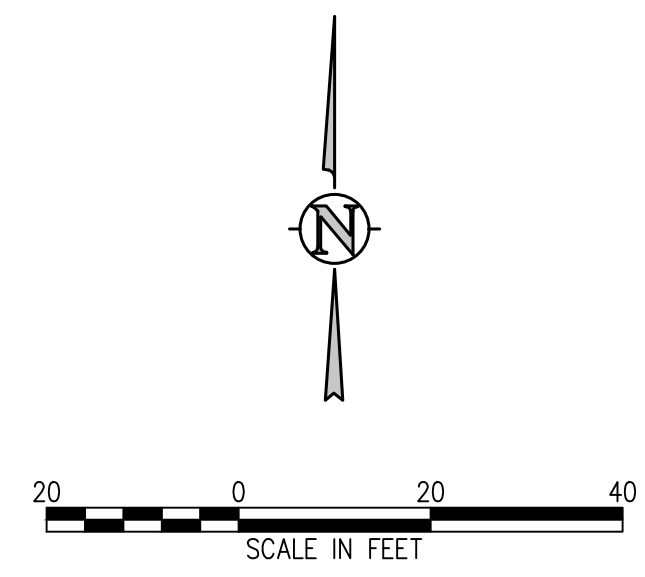
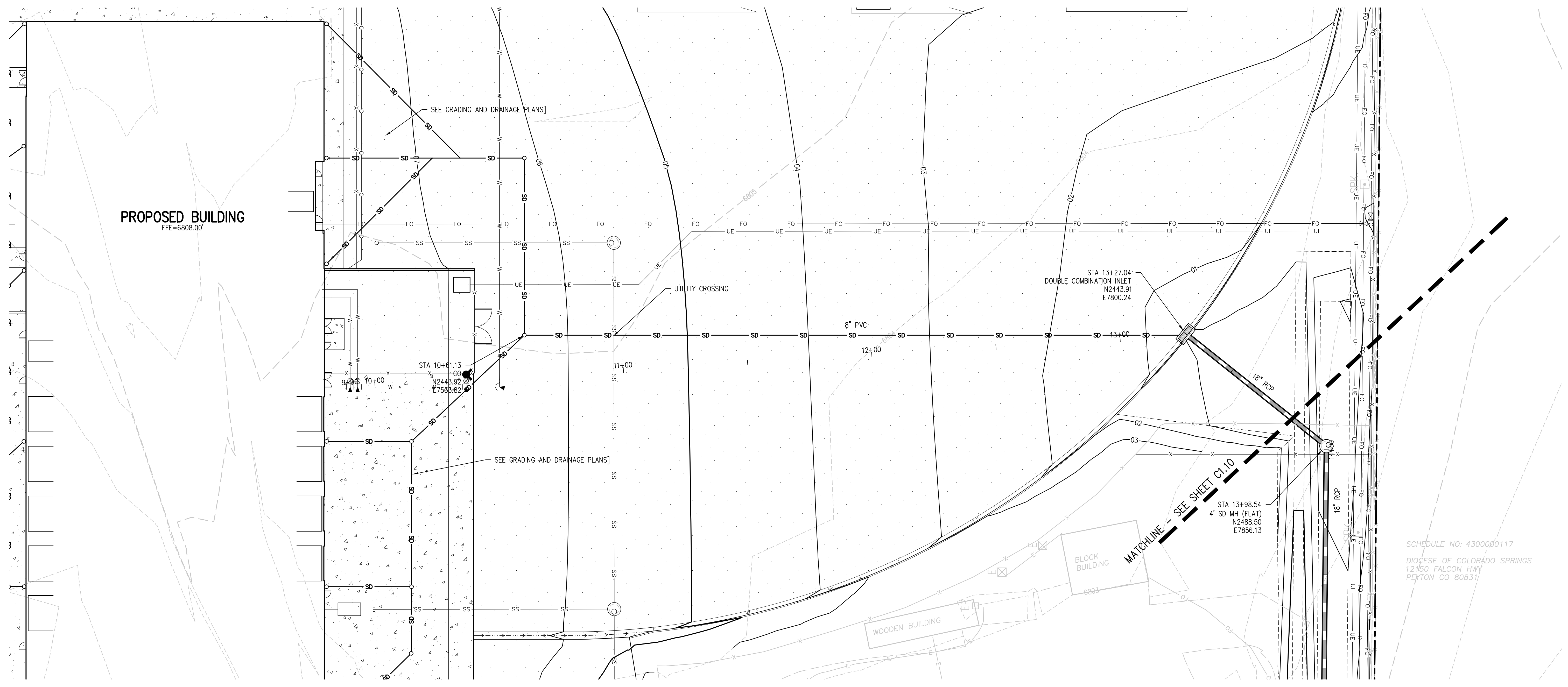
GRADING AND DRAINAGE PLAN H

DATE: 09/20/2022

NO.	DATE	DESCRIPTION
1	09/20/2022	ISSUED FOR CONSTRUCTION DOCUMENTS



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STORM SEWER MAIN PLAN
SCALE: 1"=20'



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



STORM SEWER MAIN PLAN AND PROFILE

PROJECT NUMBER
2021-041.00

DATE
09/20/2022

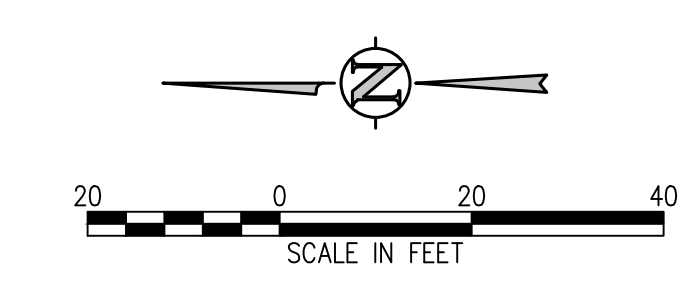
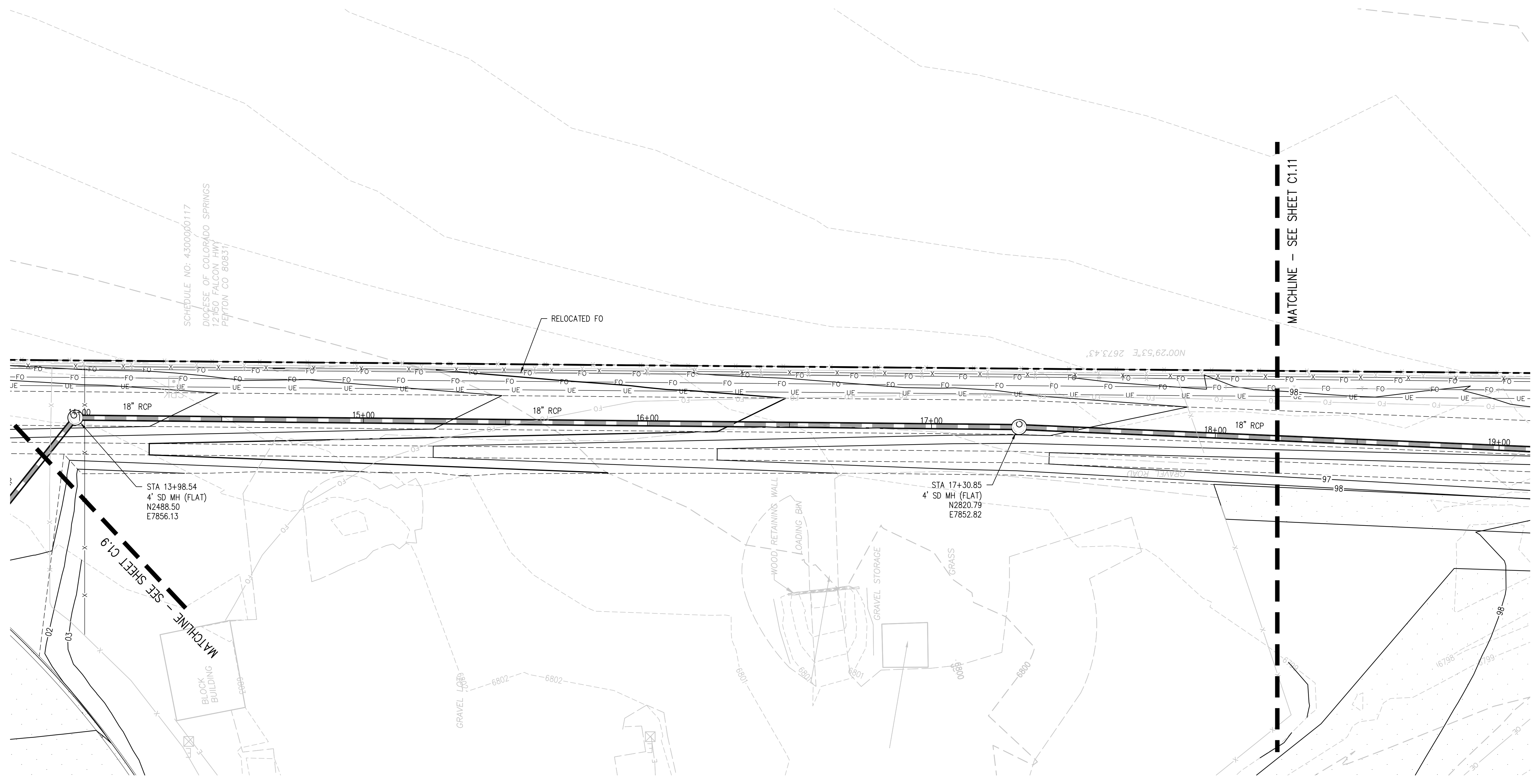
REVISIONS

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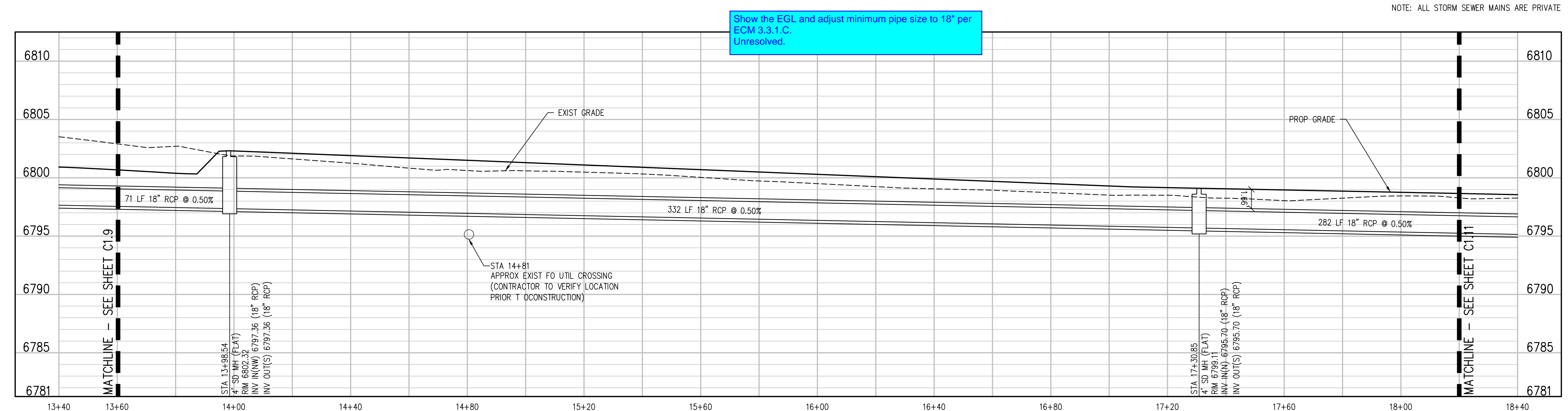
DESIGNED BY: **CWK/HCM**
DRAWN BY: **TWK/AMB**
CHECKED BY: **CWK**

ISSUED FOR
CONSTRUCTION DOCUMENTS

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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



STORM SEWER MAIN PLAN AND PROFILE

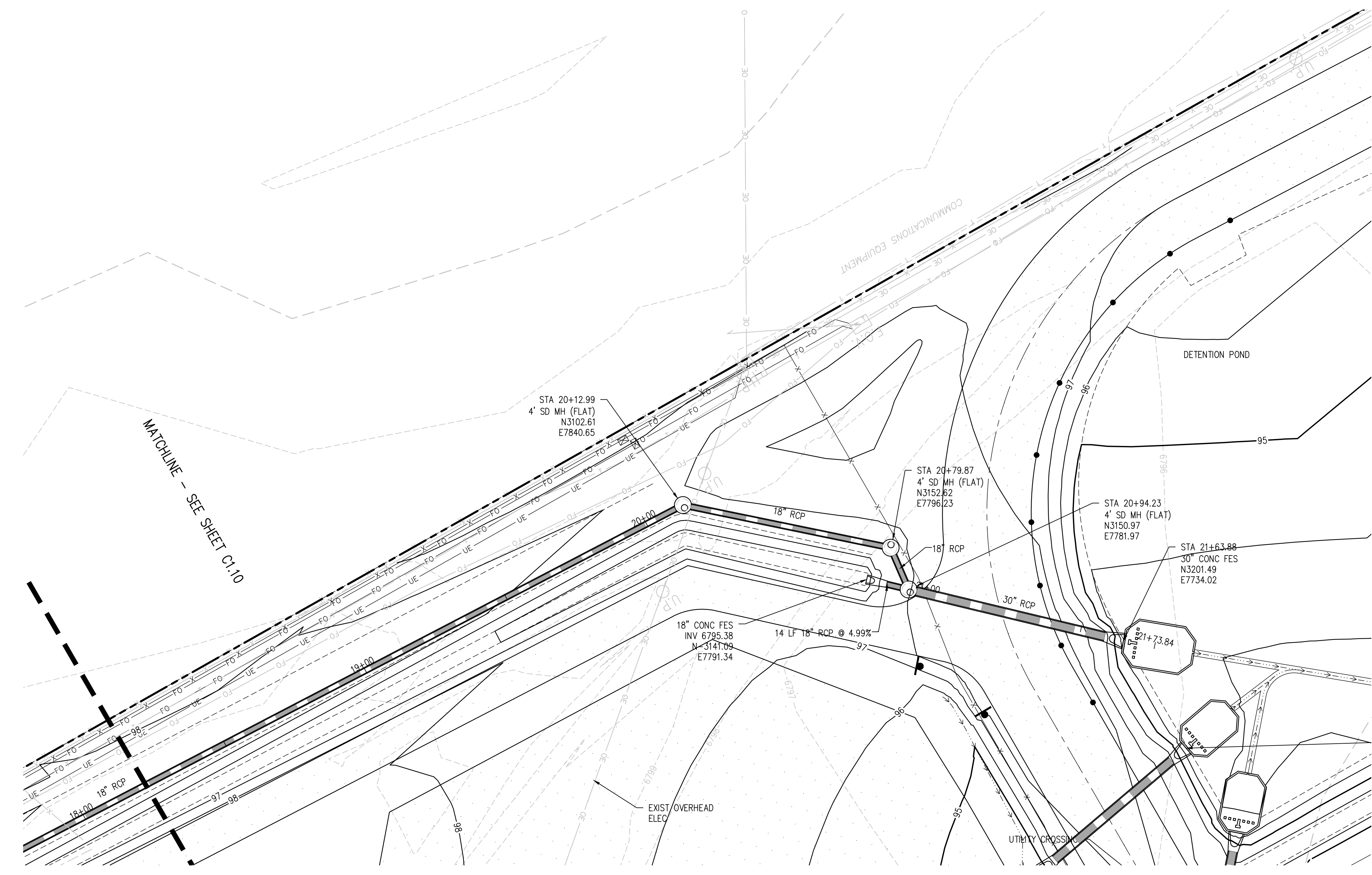
PROJECT NUMBER: **2021-041.00**
DATE: **09/20/2022**

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

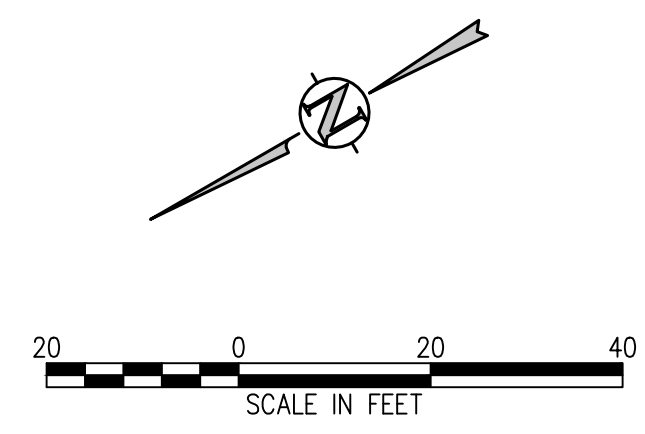
ISSUED FOR: **CONSTRUCTION DOCUMENTS**

C1.10

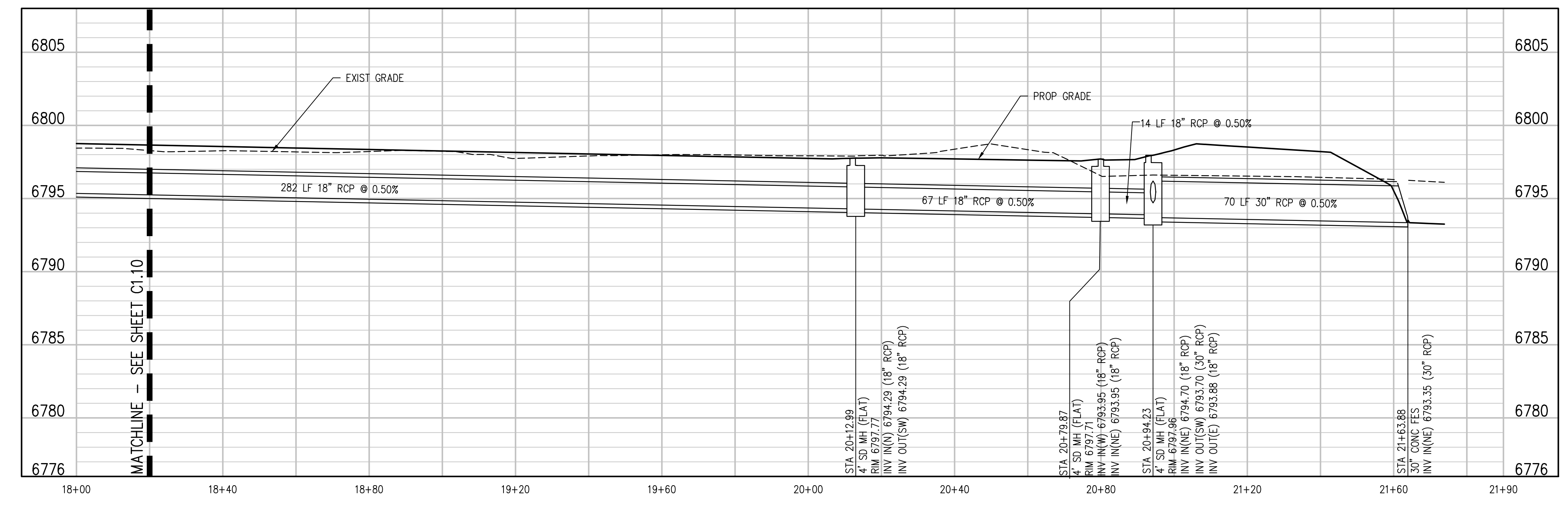
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STORM SEWER MAIN PLAN
SCALE: 1"=20'



NOTE: ALL STORM SEWER MAINS ARE PRIVATE



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

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



STORM SEWER MAIN PLAN AND PROFILE

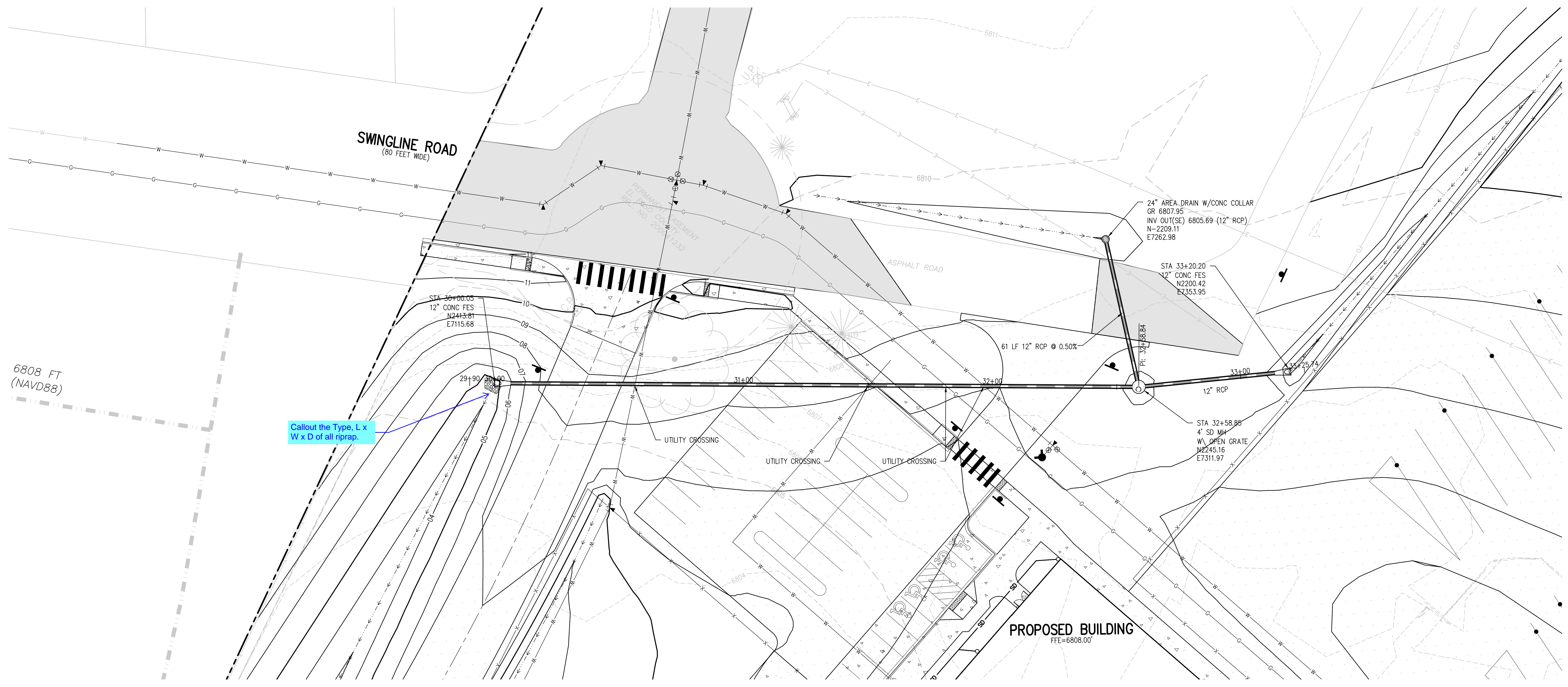
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DATE: **09/20/2022**

#	DATE	DESCRIPTION

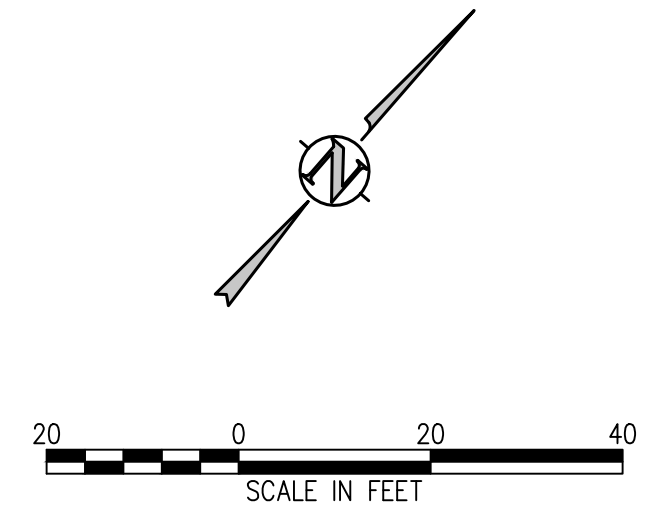
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CHECKED BY: **TWK/AMB**
DATE: **CWK**

ISSUED FOR: **CONSTRUCTION DOCUMENTS**

C1.11

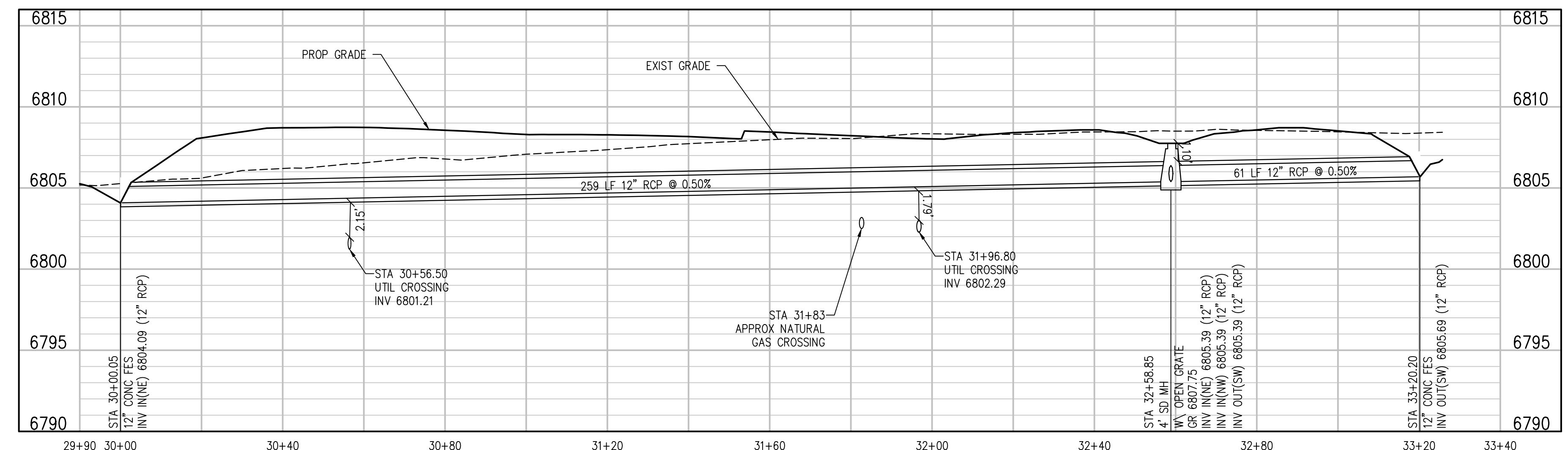


Callout the Type, L x W x D of all riprap.



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

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



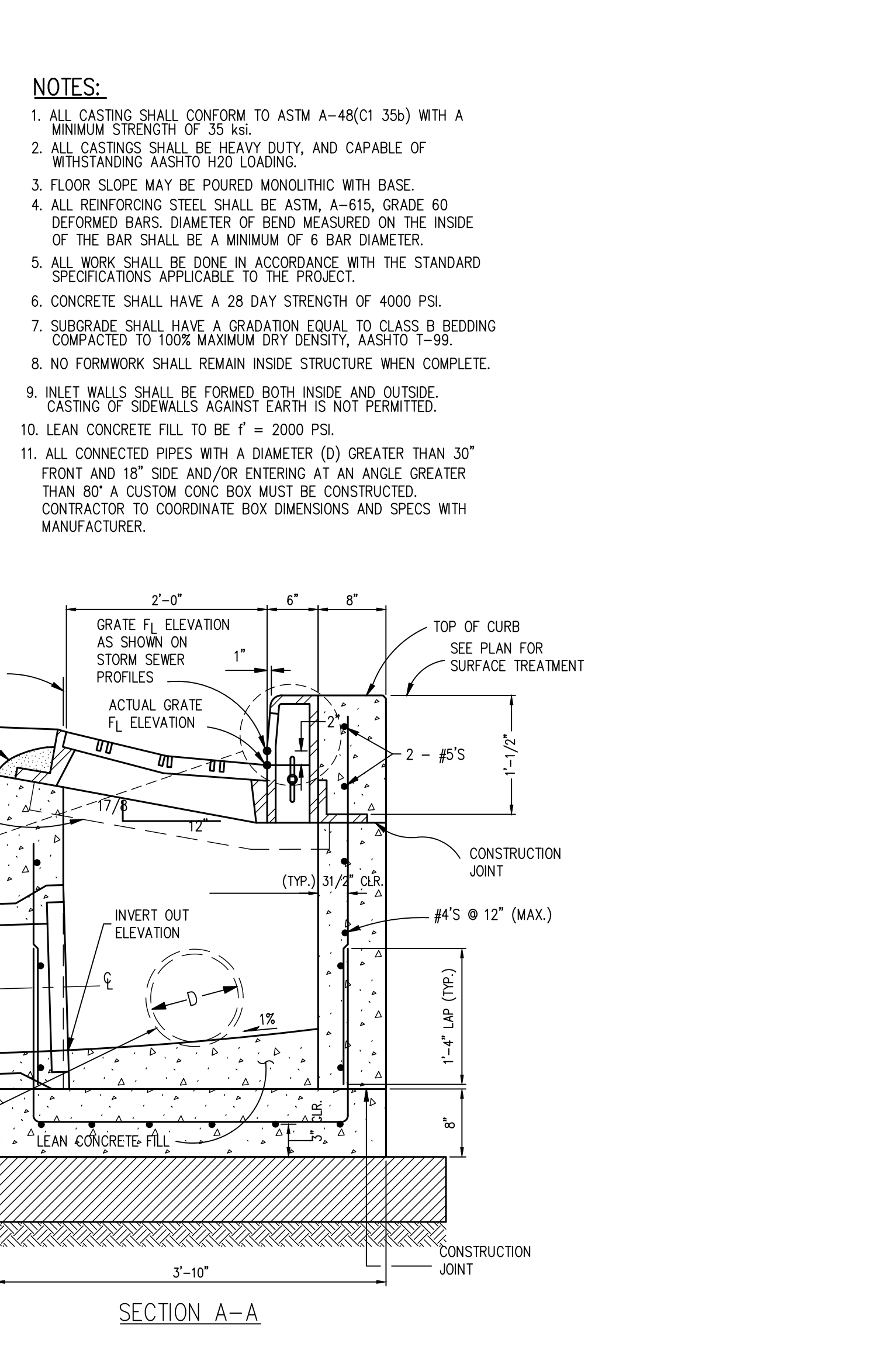
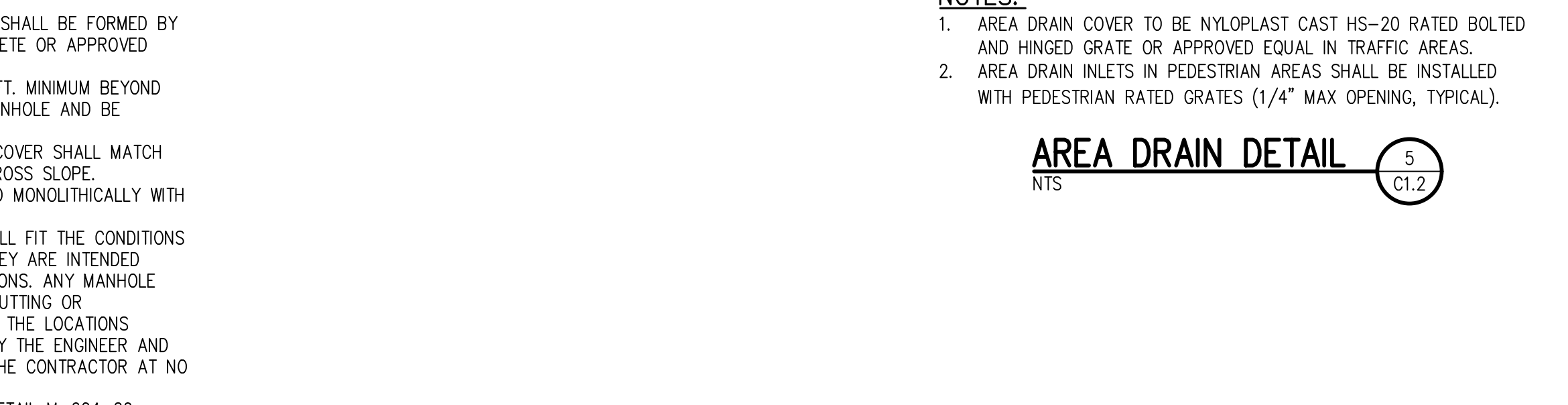
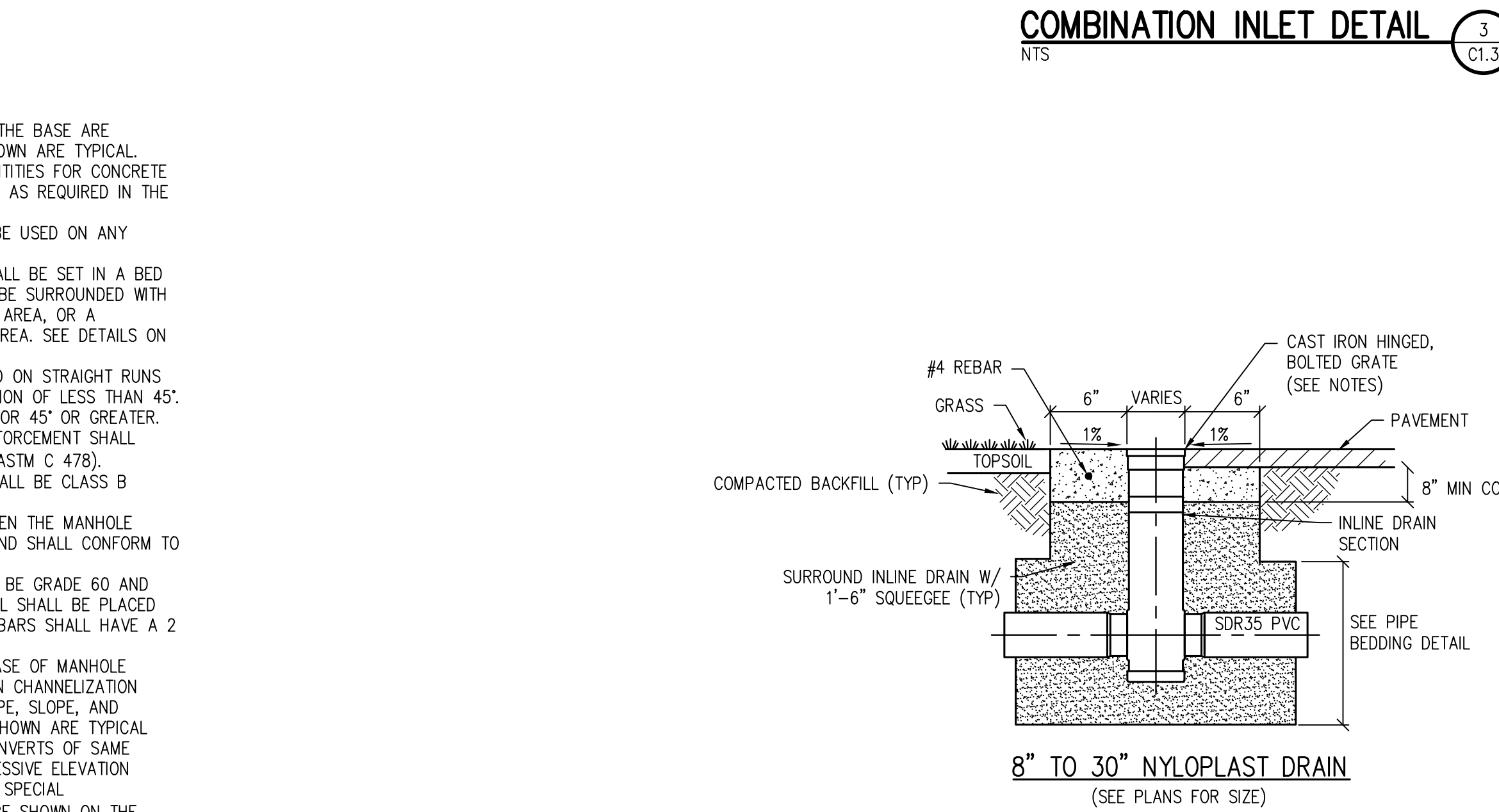
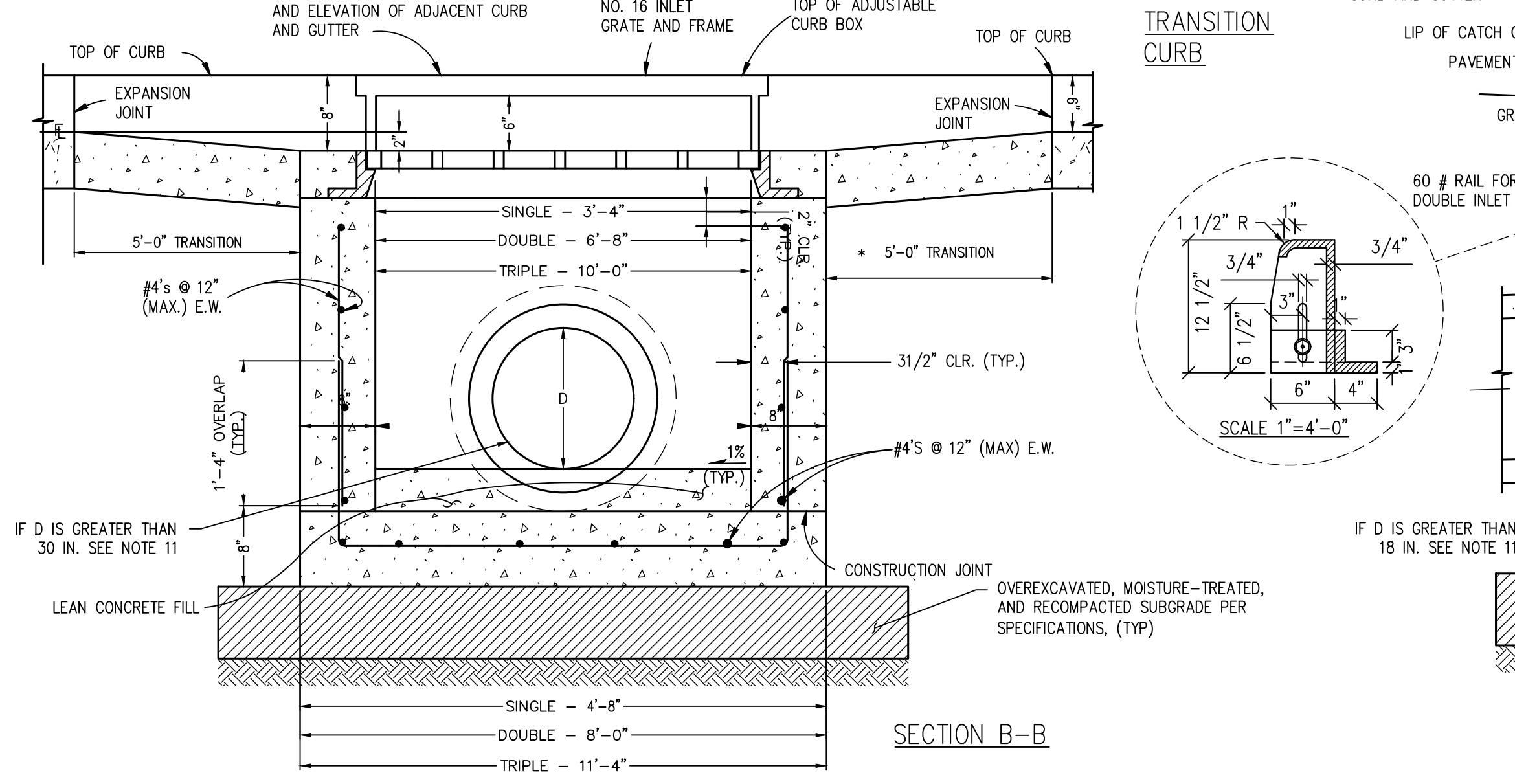
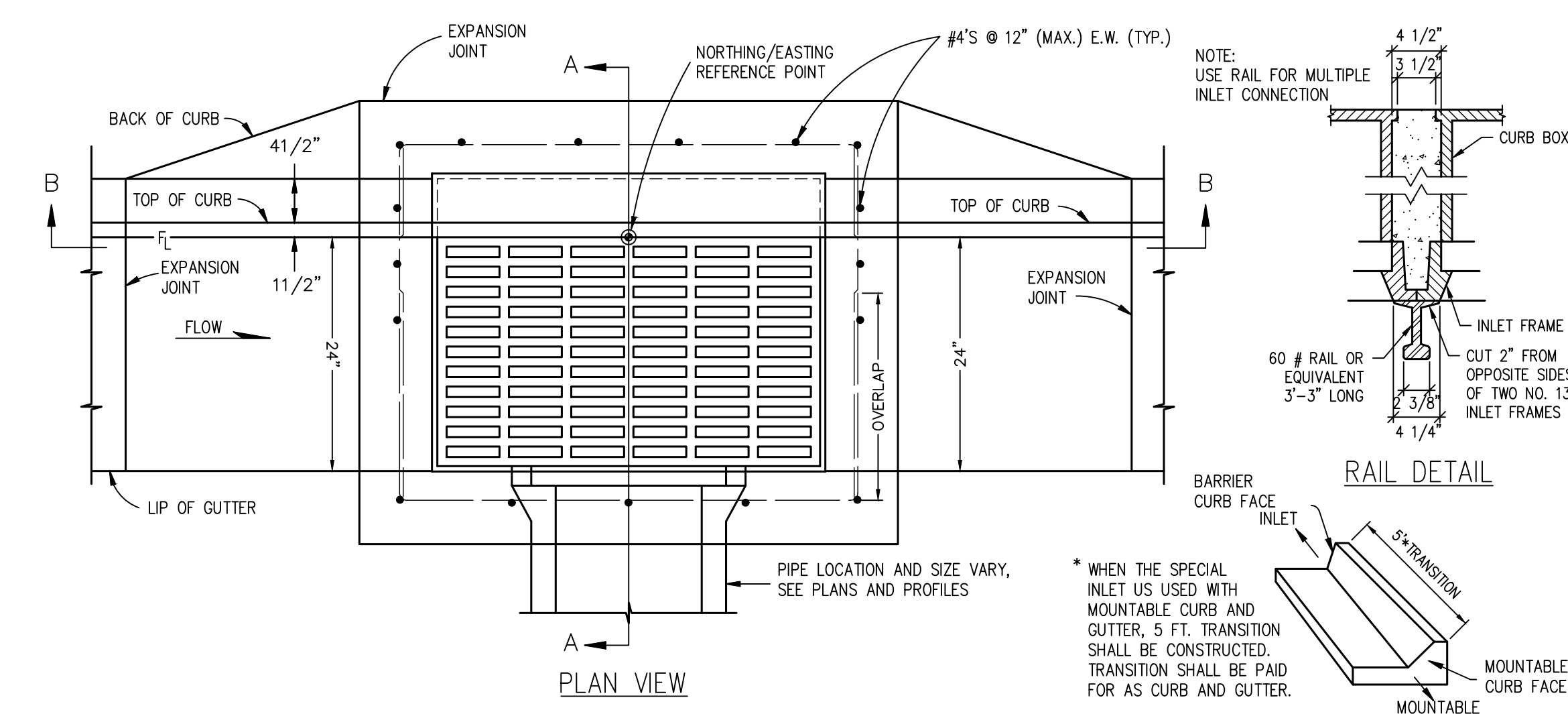
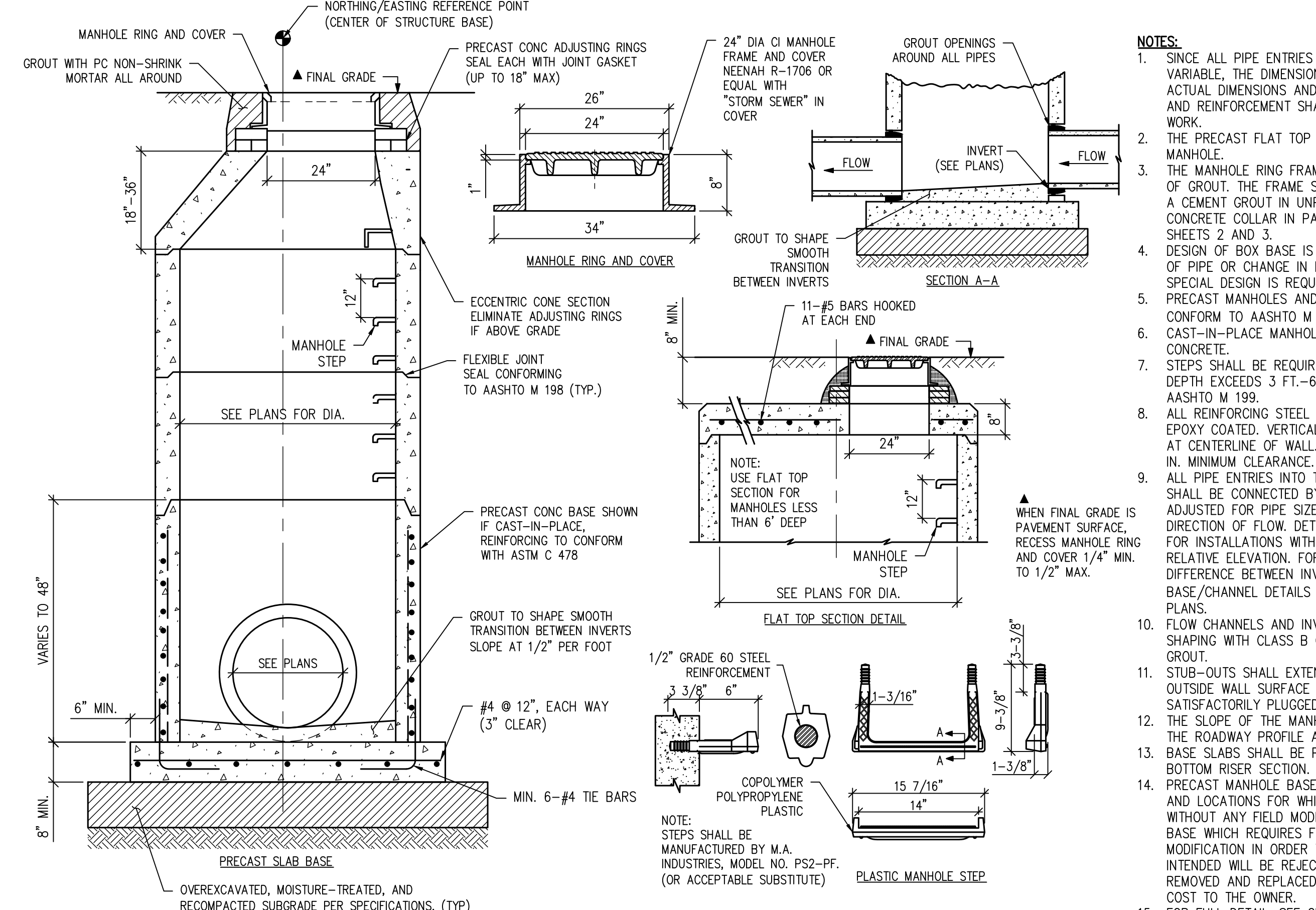
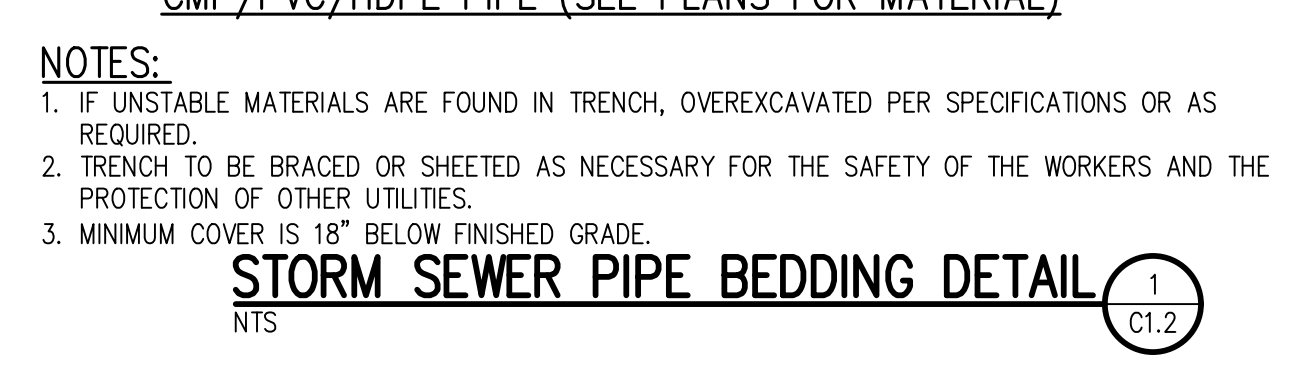
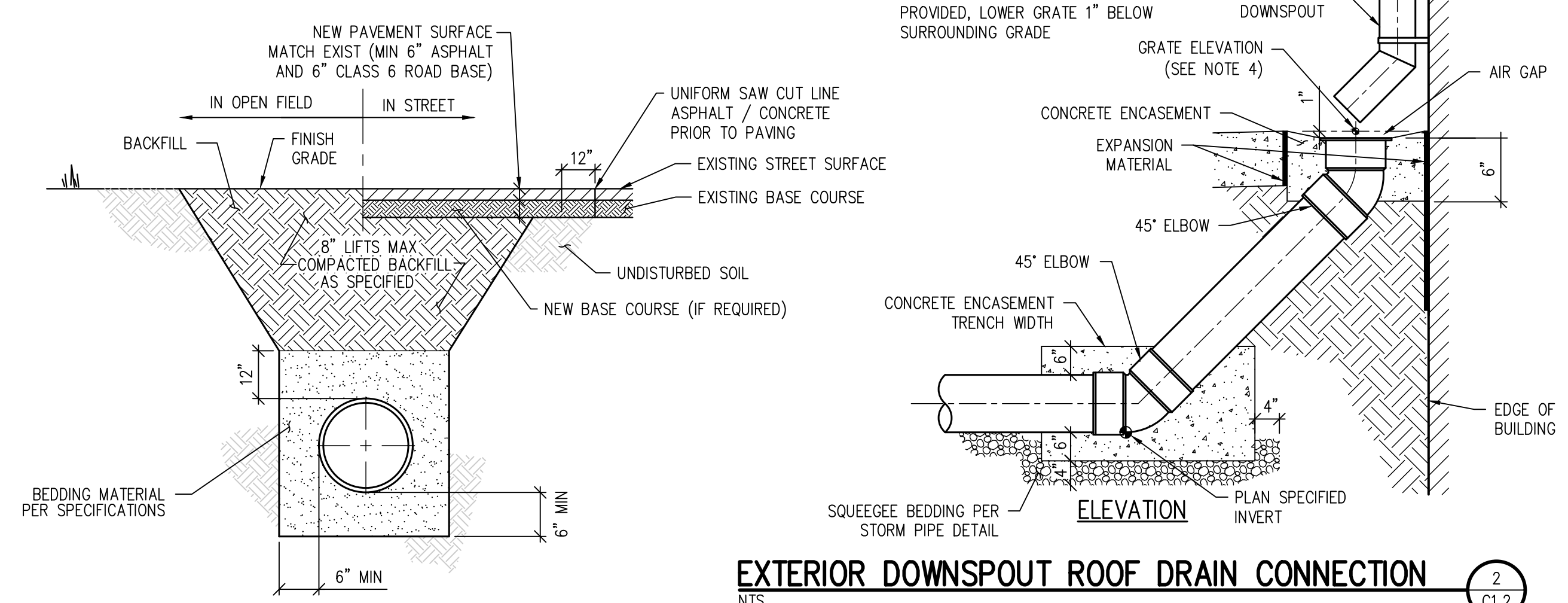
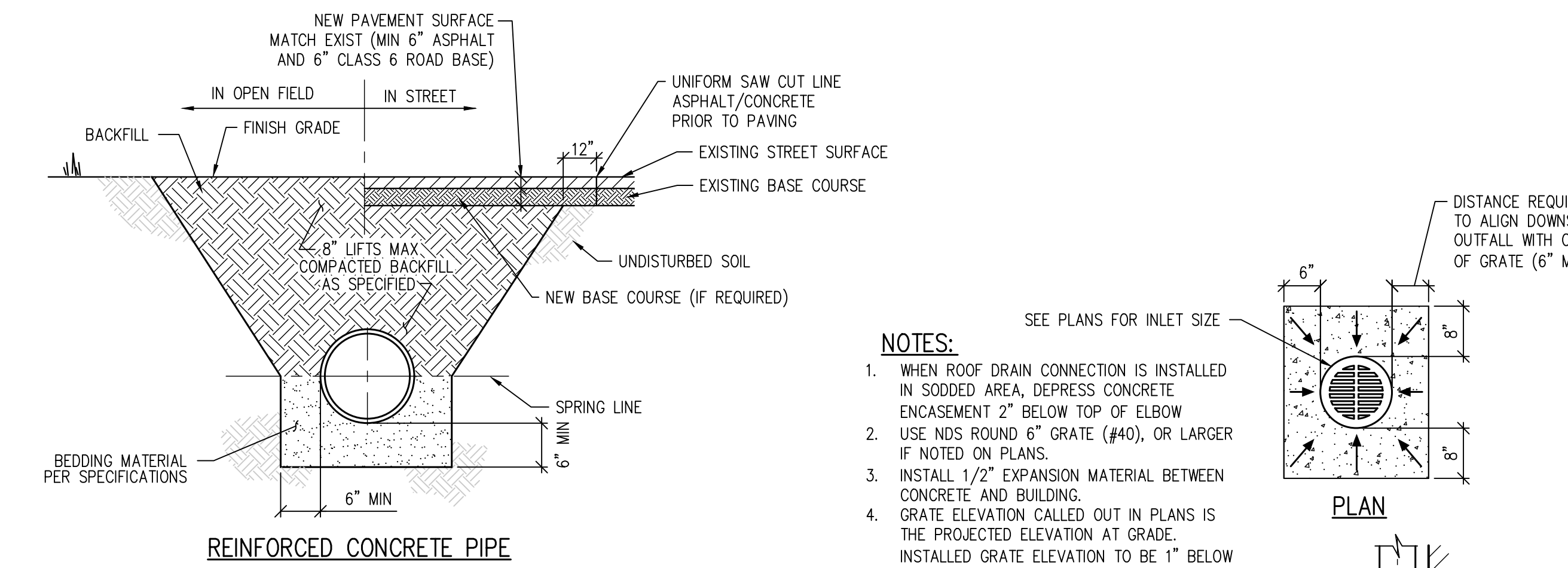
SHEET TITLE
DIVERSION STORM SEWER PLAN AND PROFILE

RTA PROJECT NUMBER
2021-041.00
DATE
09/20/2022

#	DATE	DESCRIPTION

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

ISSUED FOR
CONSTRUCTION DOCUMENTS



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SCHOOL DISTRICT NO 49
11971 SWINGLINE ROAD
PEYTON, CO 80831



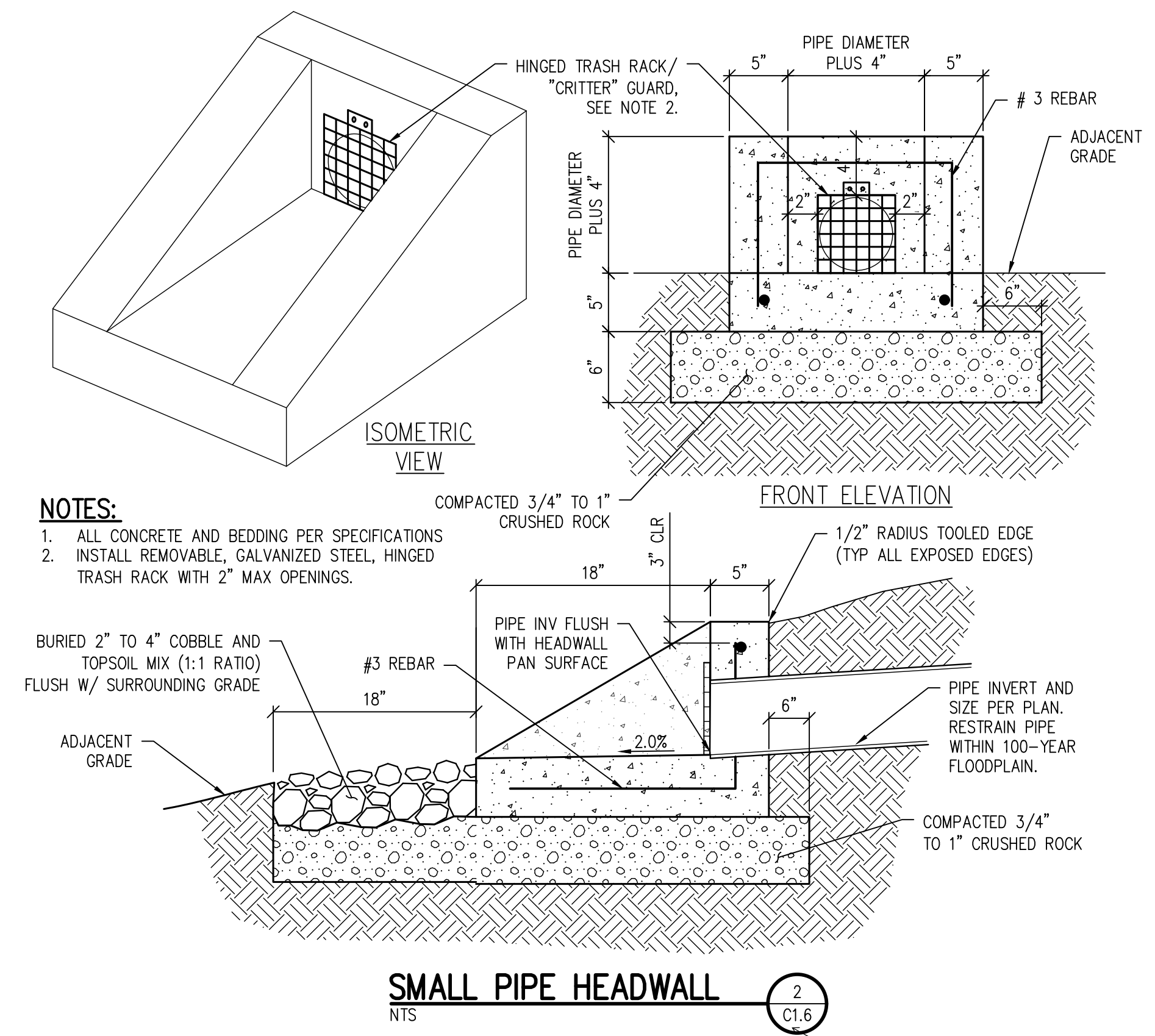
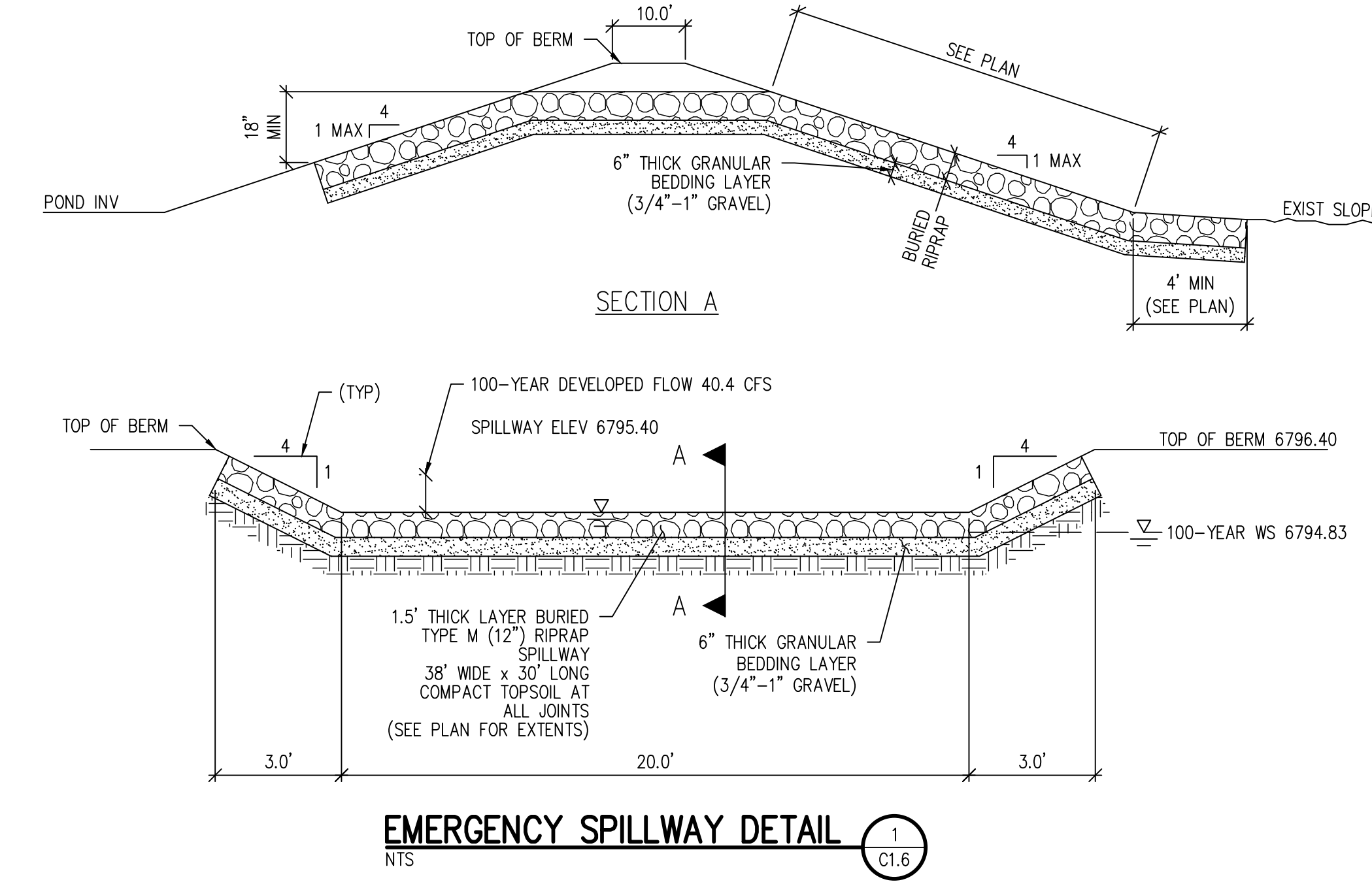
GRADING & DRAINAGE DETAILS

PROJECT NUMBER: 2021-041-00
DATE: 09/20/2022

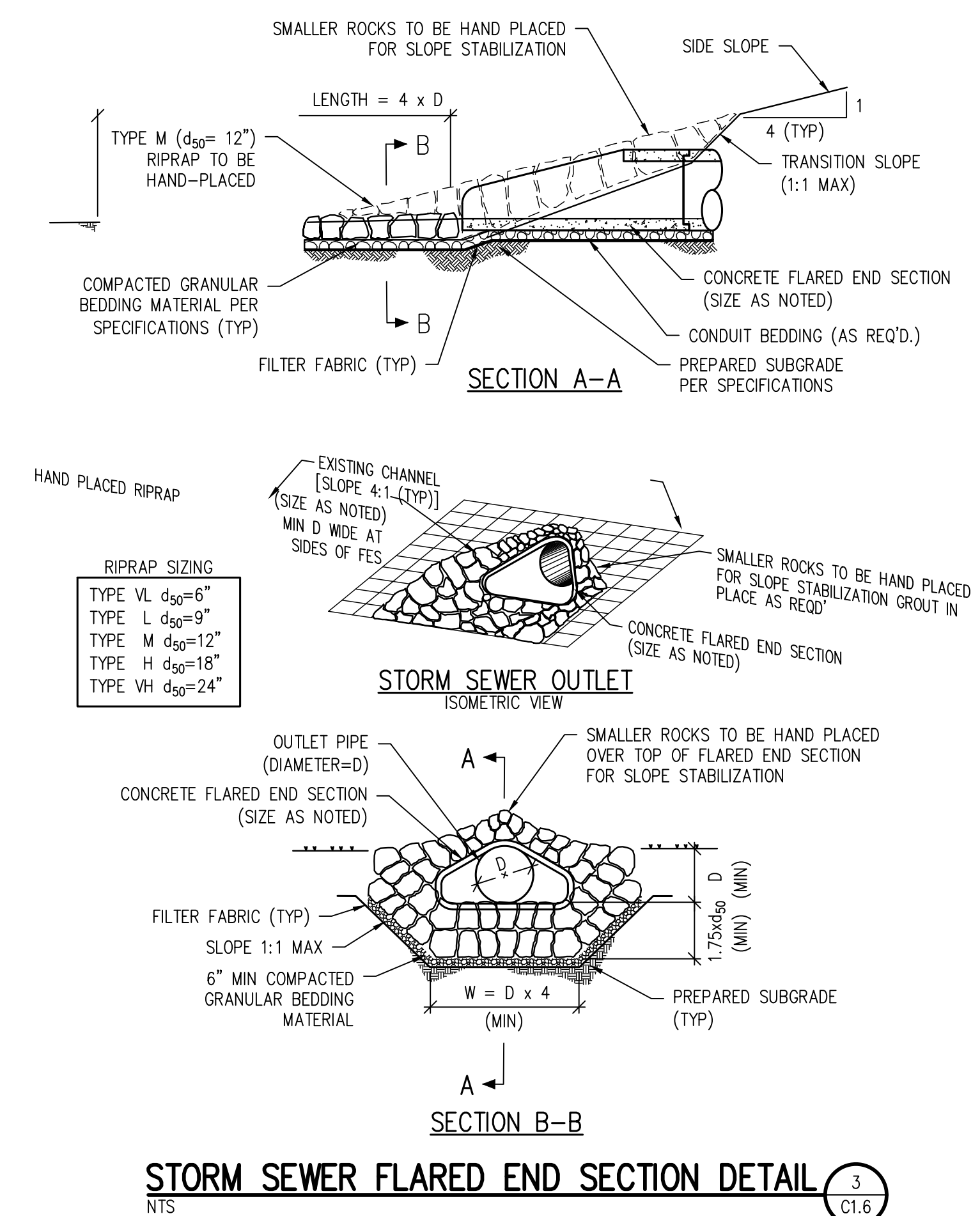
NO.	DATE	DESCRIPTION
1	09/20/2022	ISSUED FOR CONSTRUCTION DOCUMENTS

CD1.0

see spillway comments on CDs_v1
Unresolved.

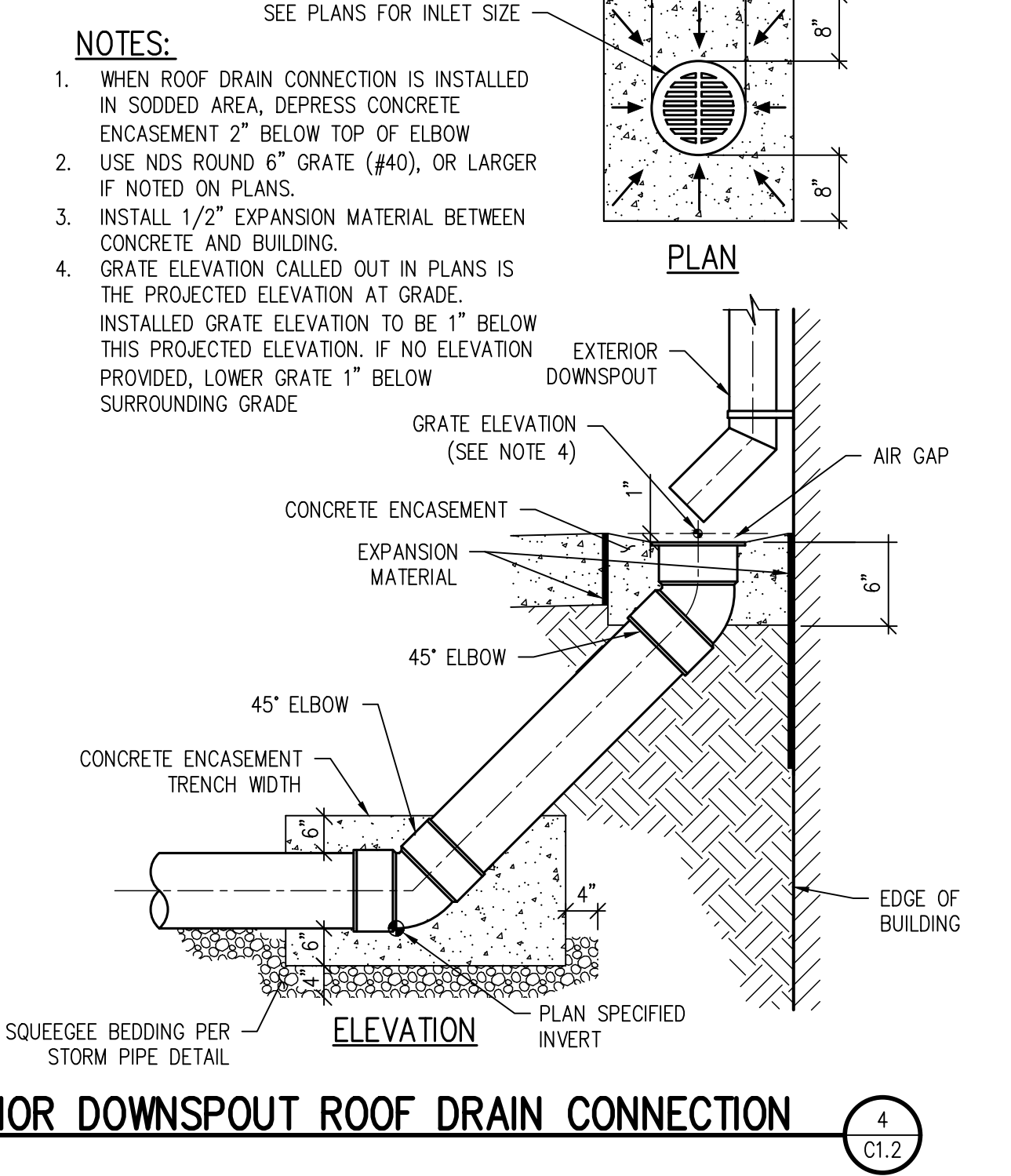


update all detail callouts



RIPRAP SIZING

TYPE VL	d ₅₀ =6"
TYPE L	d ₅₀ =9"
TYPE M	d ₅₀ =12"
TYPE H	d ₅₀ =18"
TYPE VH	d ₅₀ =24"



GRADING & DRAINAGE DETAILS

WTA PROJECT NUMBER
2021-041.00

DATE
09/20/2022

REVISIONS

#	DATE	DESCRIPTION

DESIGN APPROVAL: **CWK/HCM**

DRAWN BY: **TWK/AMB**

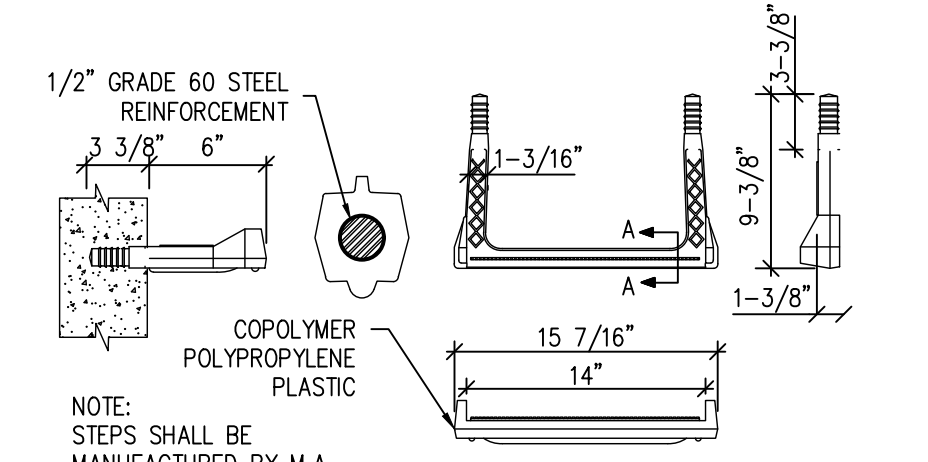
CHECKED BY: **CWK**

ISSUED FOR
CONSTRUCTION DOCUMENTS

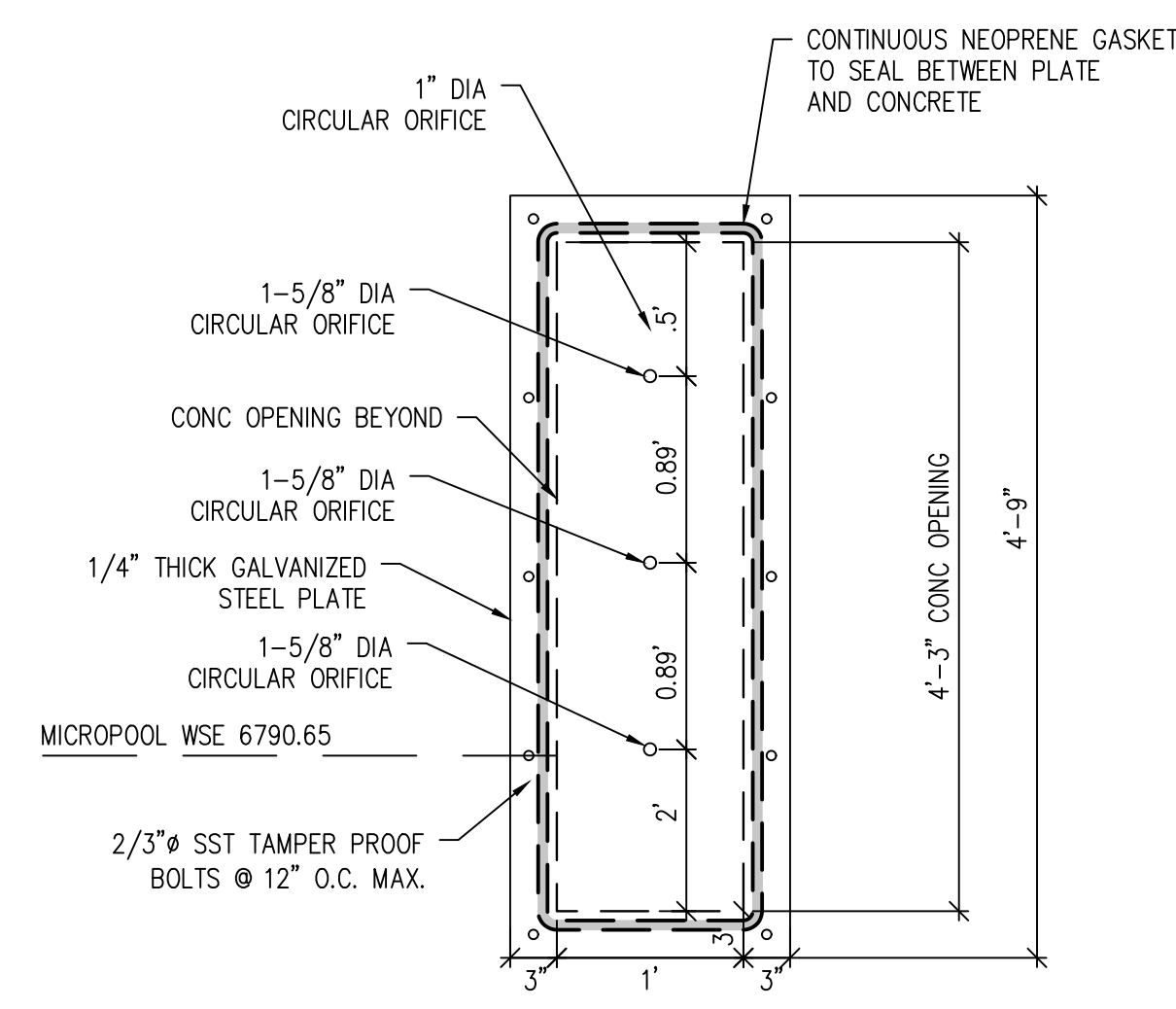
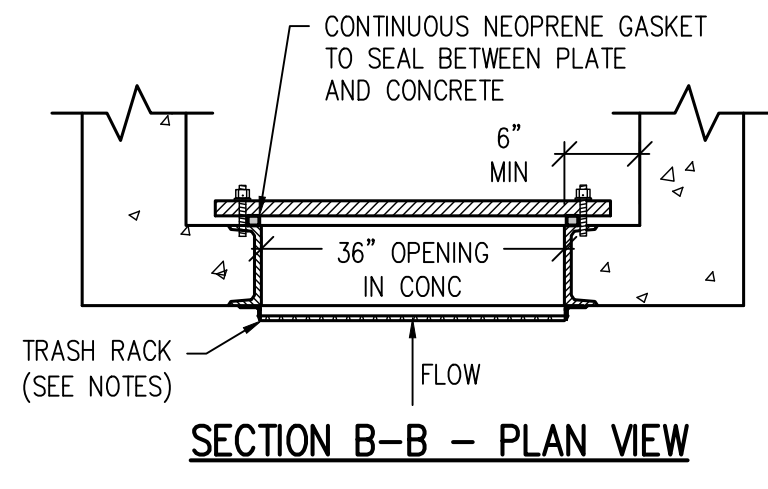
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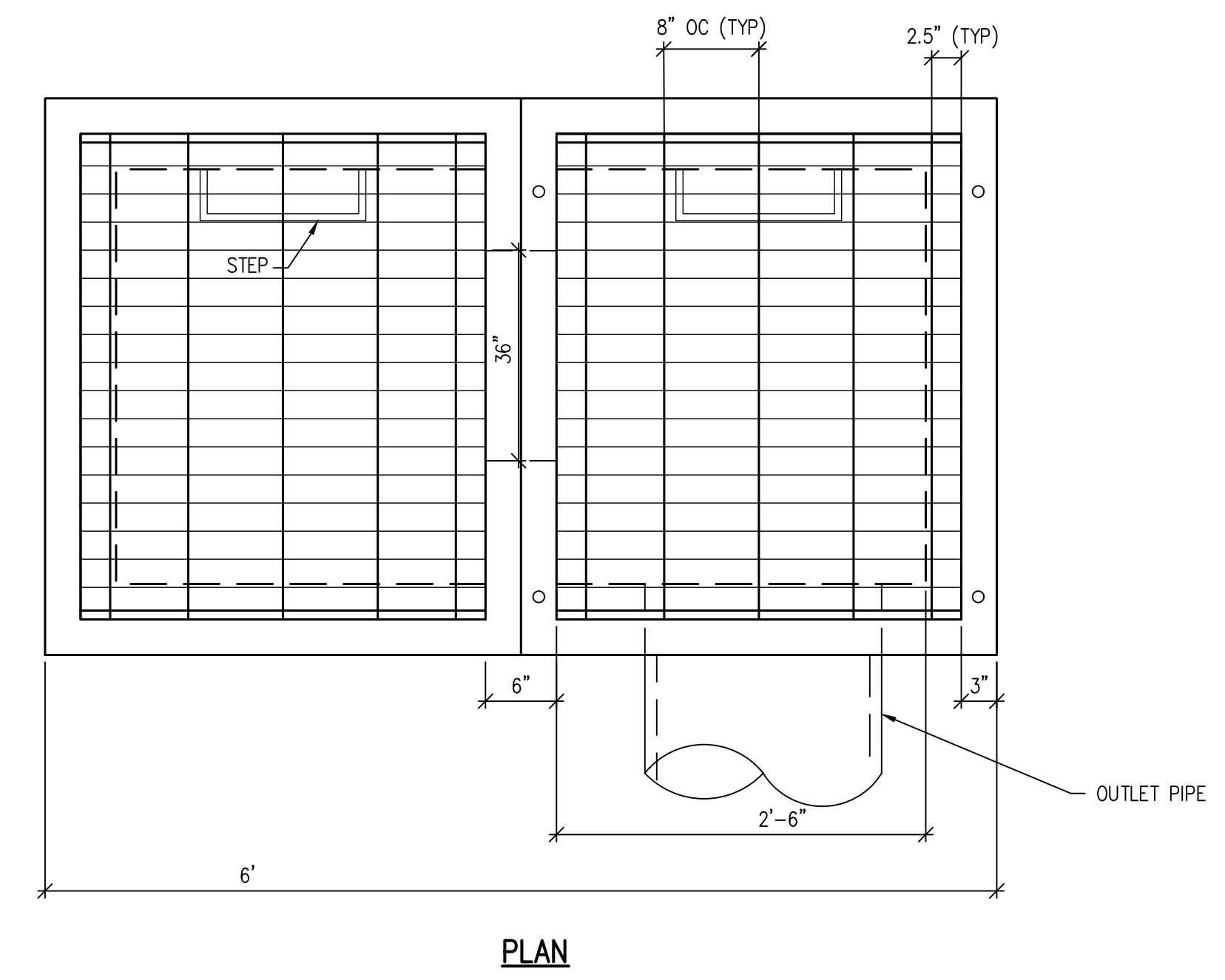
- TRASH RACK NOTES:**
- SPECIFIED TRASH RACK: US FILTER STAINLESS STEEL WELL-SCREEN WITH #93 VEE WIRE, 0.139" OPENINGS BETWEEN WIRES, #156 SUPPORT RODS ON 3/4" SPACING, VERTICAL ORIENTATION. TOTAL RACK THICKNESS OF 0.31" AND 3/8" X 1.0" FLAT BAR FRAME.
 - WELL-SCREEN TRASH RACKS SHALL BE STAINLESS STEEL 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."



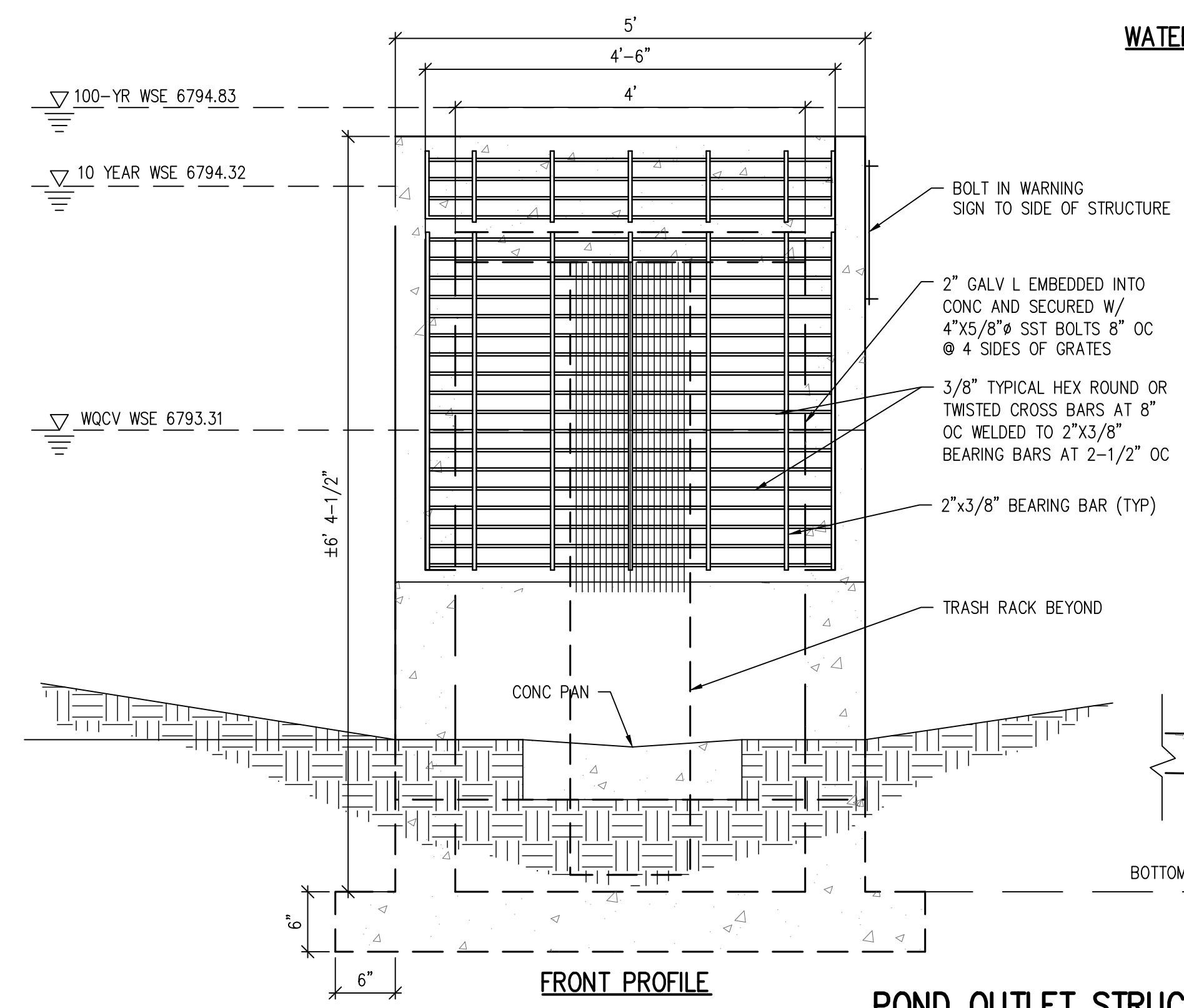
PLASTIC MANHOLE STEP



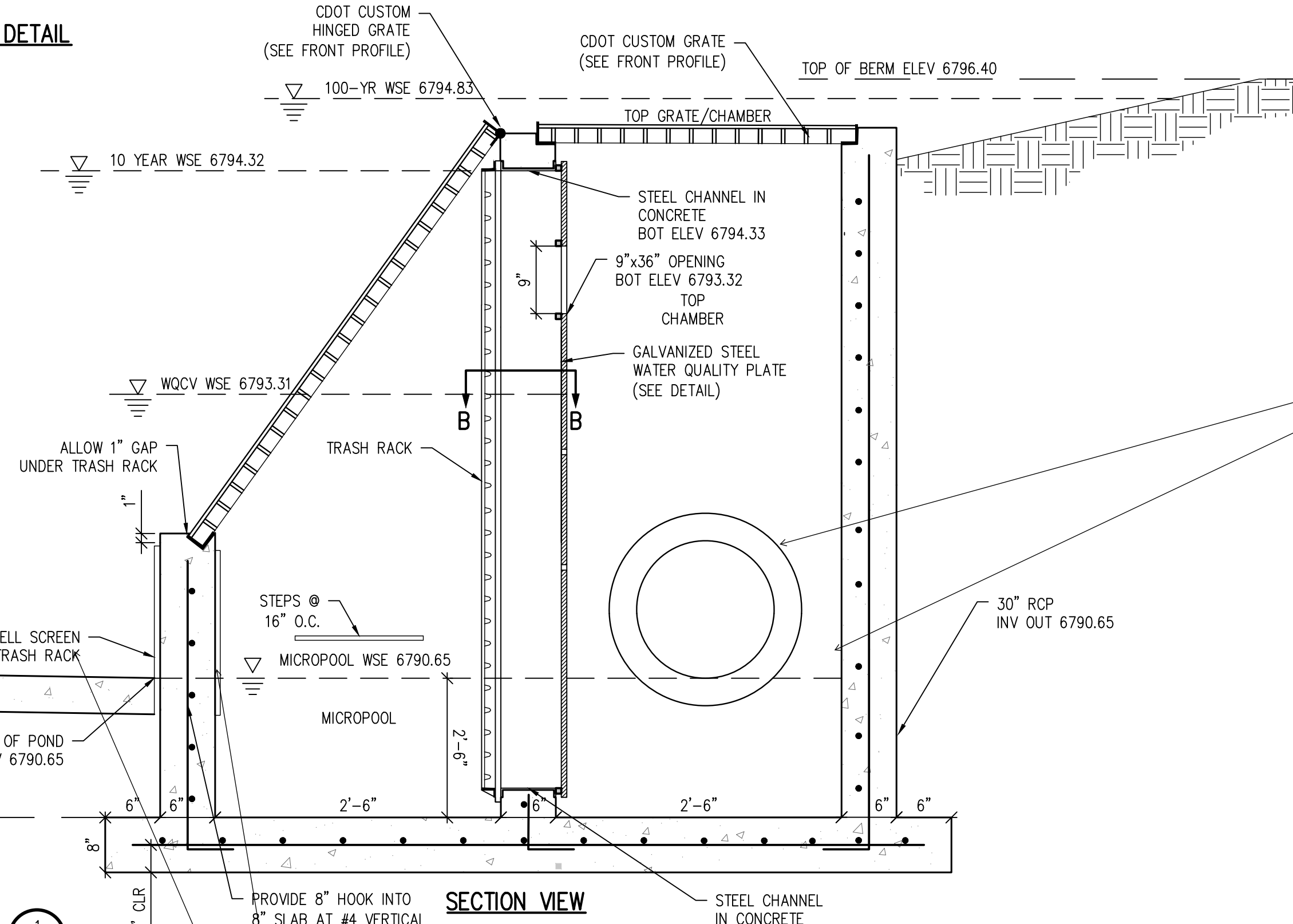
WATER QUALITY PLATE DETAIL



PLAN



FRONT PROFILE



SECTION VIEW

POND OUTLET STRUCTURE DETAIL

1
C1.6

not part of the design

adjust to match plans

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



SHEET TITLE
GRADING & DRAINAGE DETAILS

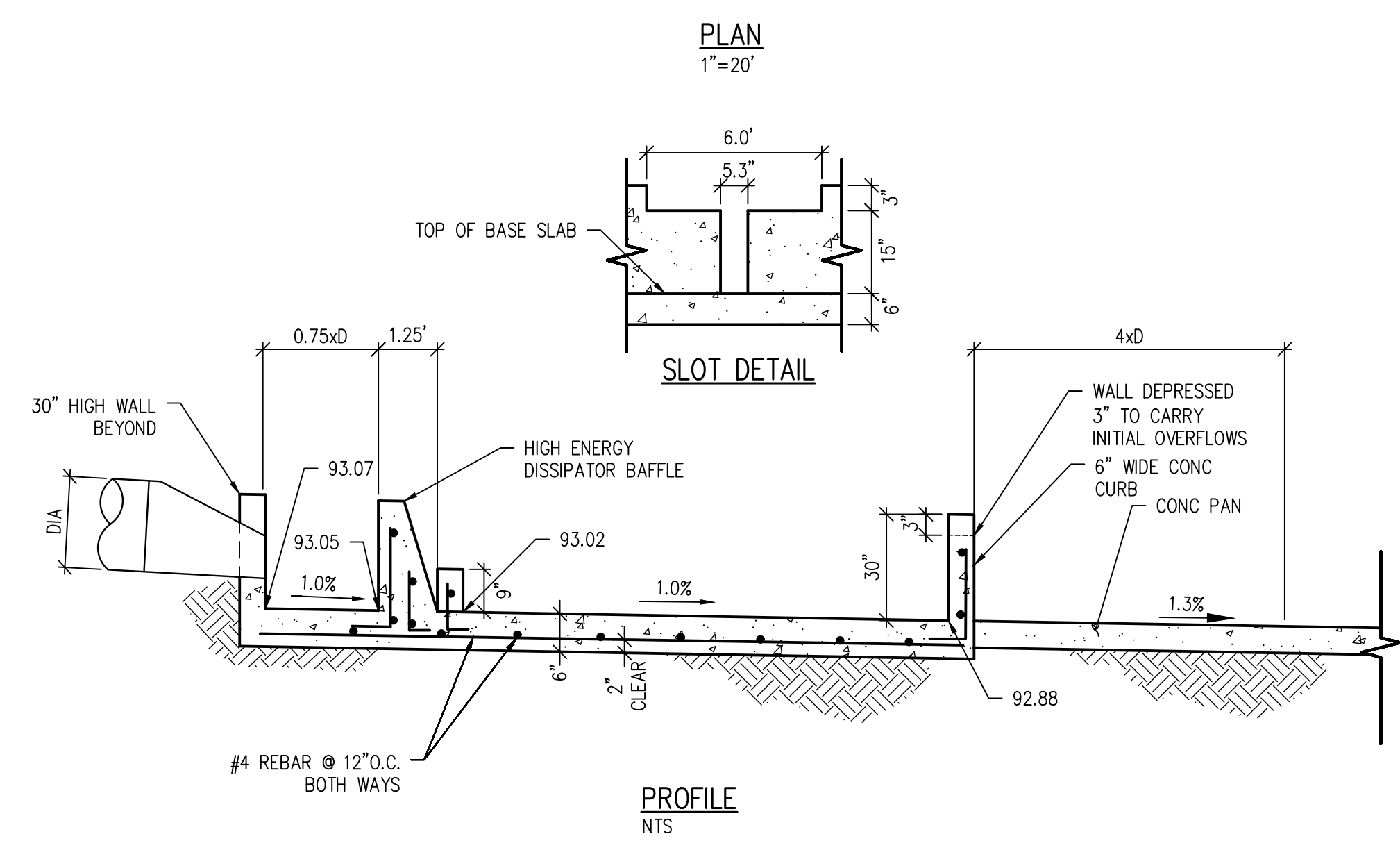
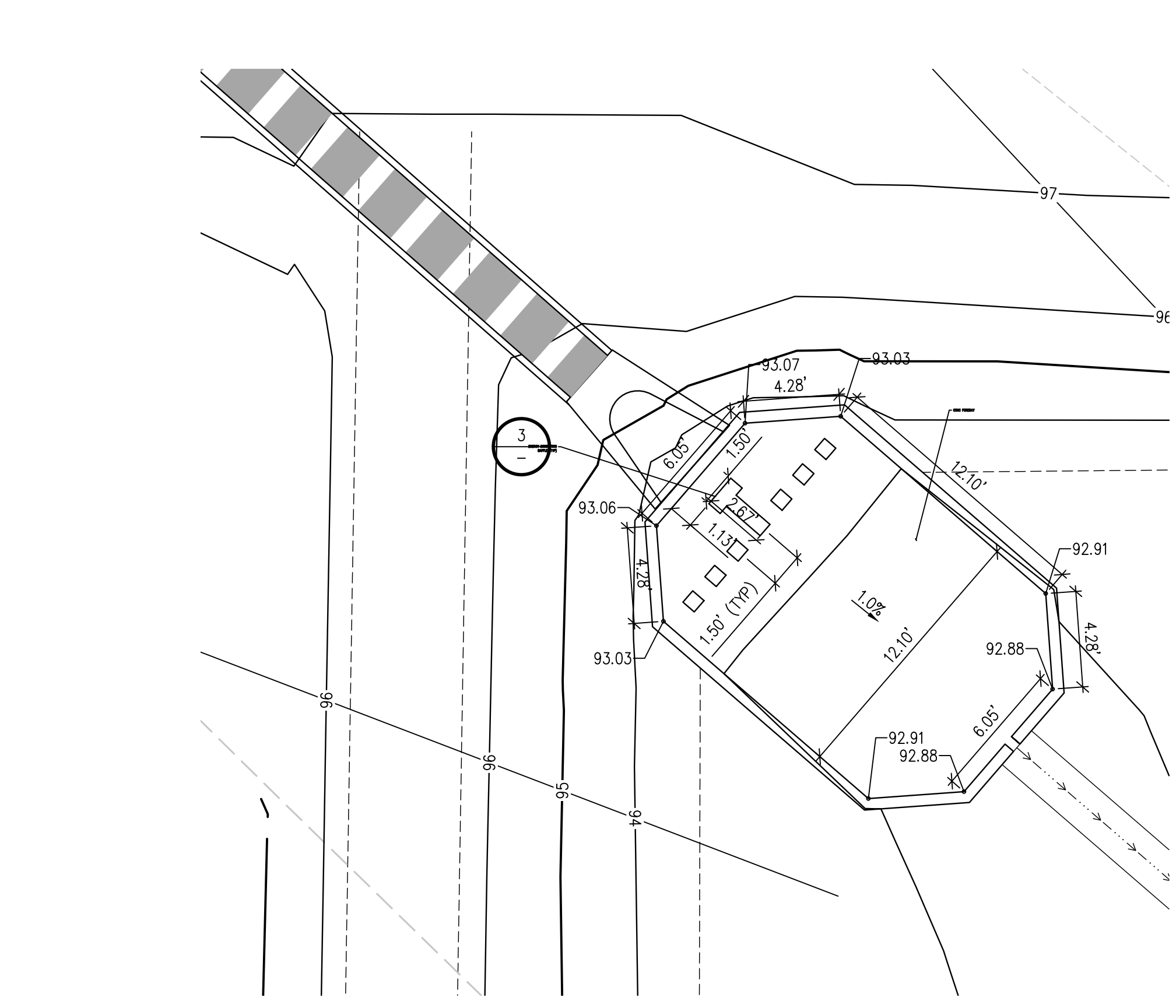
WTA PROJECT NUMBER
2021-041.00
DATE
09/20/2022

REVISIONS

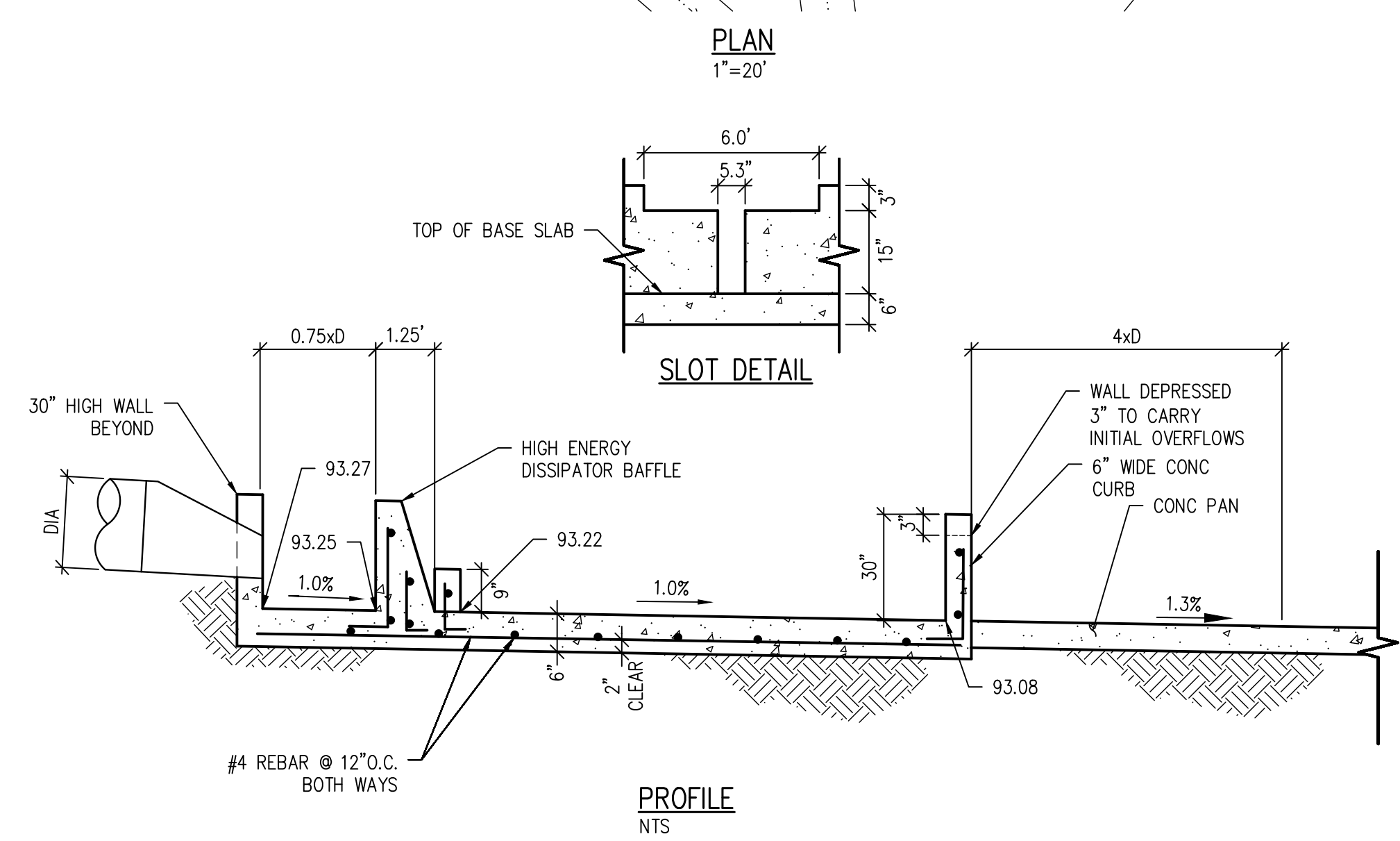
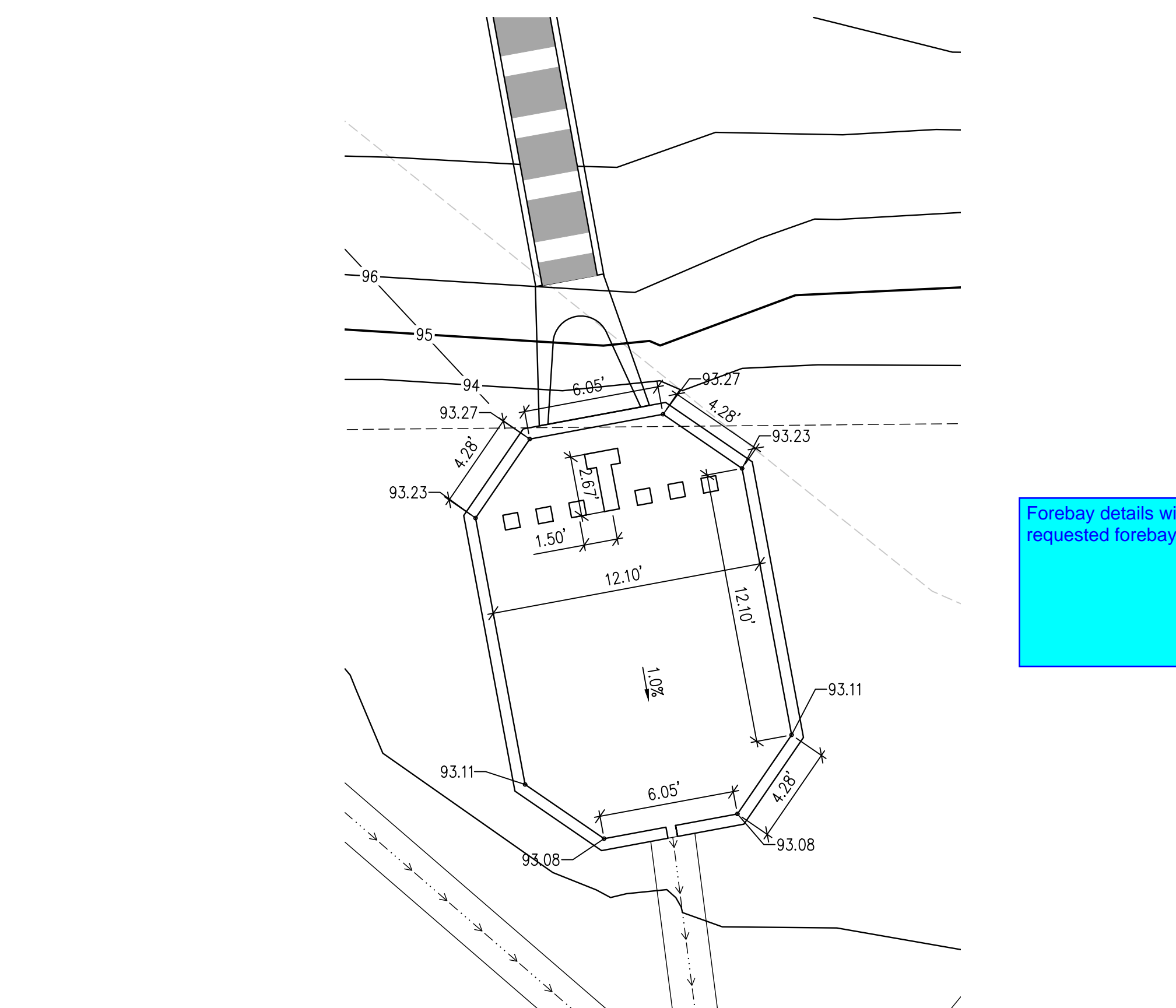
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DATE APPROVAL: **CWK/HCM**
DRAWN BY: **TWK/AMB**
CHECKED BY: **CWK**

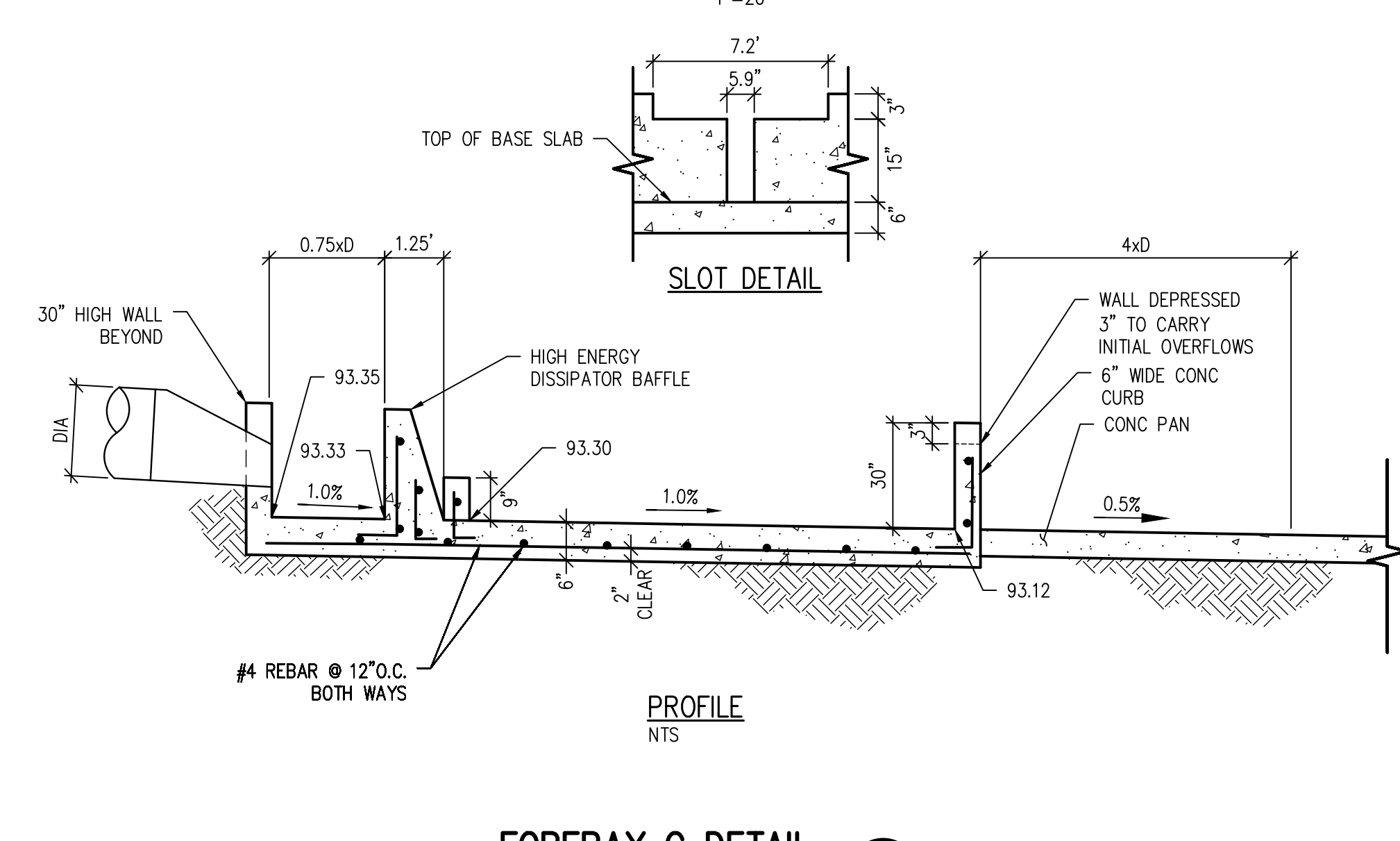
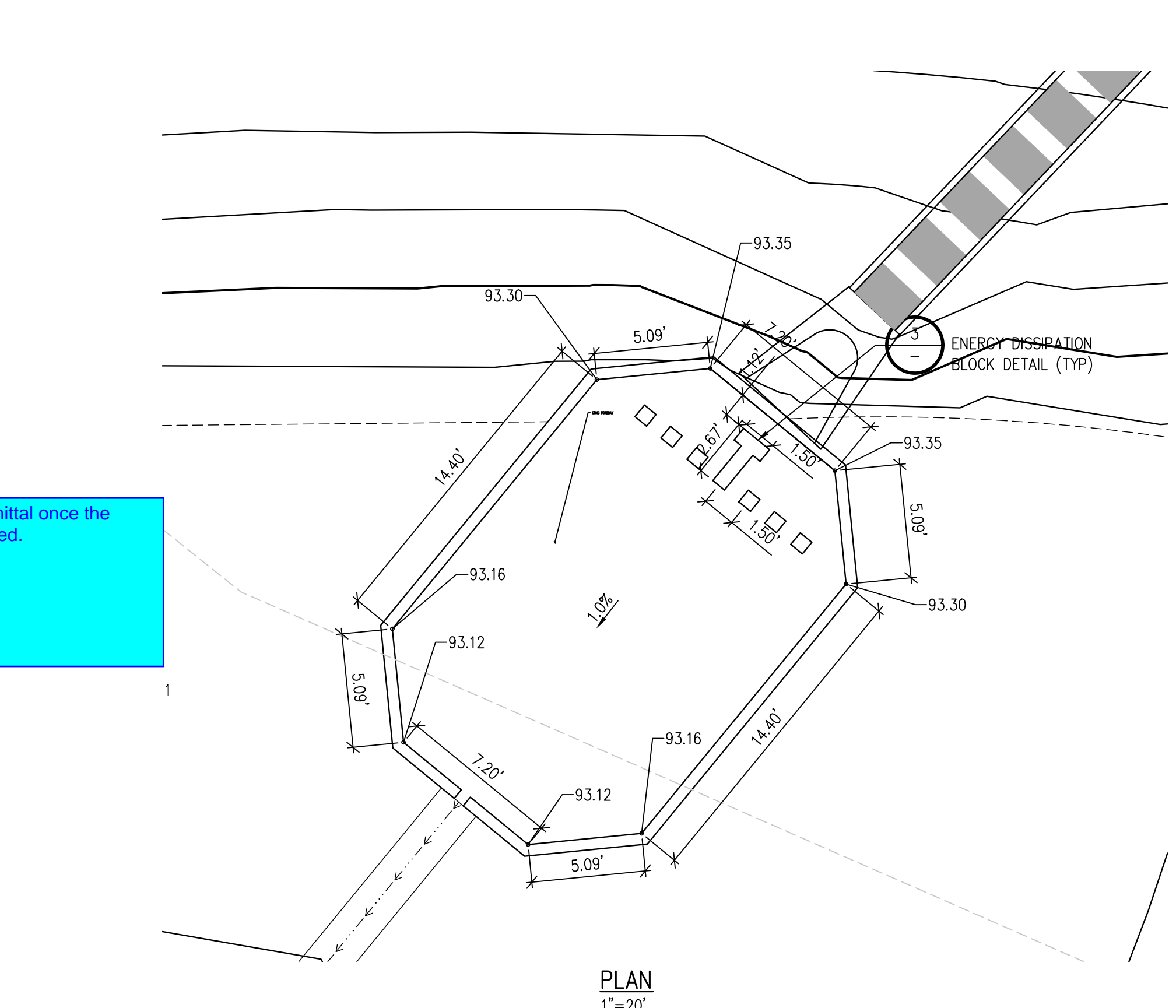
ISSUED FOR
CONSTRUCTION DOCUMENTS
SHEET NO.
CD1.3



FOREBAY A DETAIL
SCALE: NTS

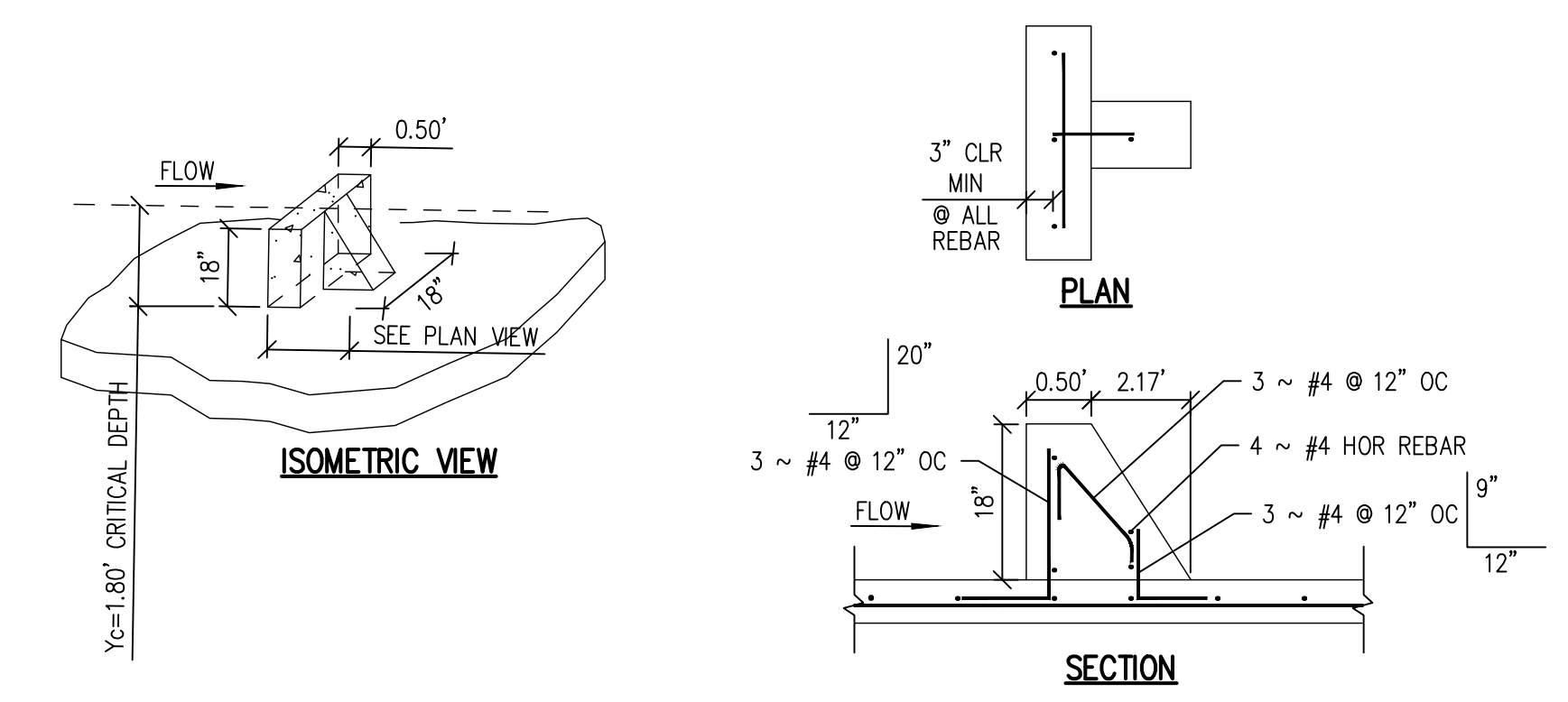


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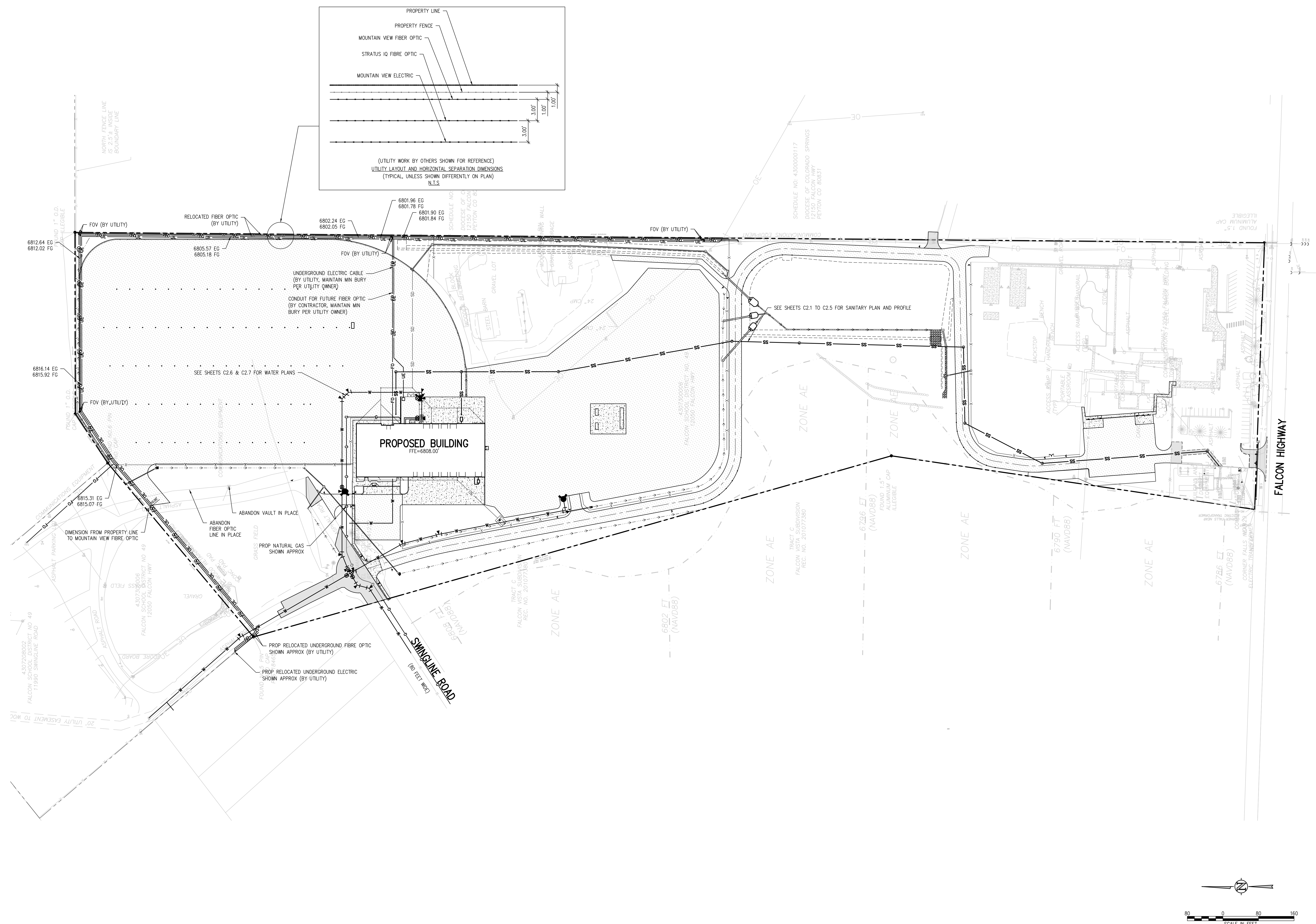


FOREBAY C DETAIL
SCALE: NTS

Forebay details will be reviewed on the resubmittal once the requested forebay calculation has been provided.



ENERGY DISSIPATION BLOCK DETAIL
NTS



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SCHOOL DISTRICT NO 49
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SHEET TITLE
**OVERALL
UTILITY PLAN**

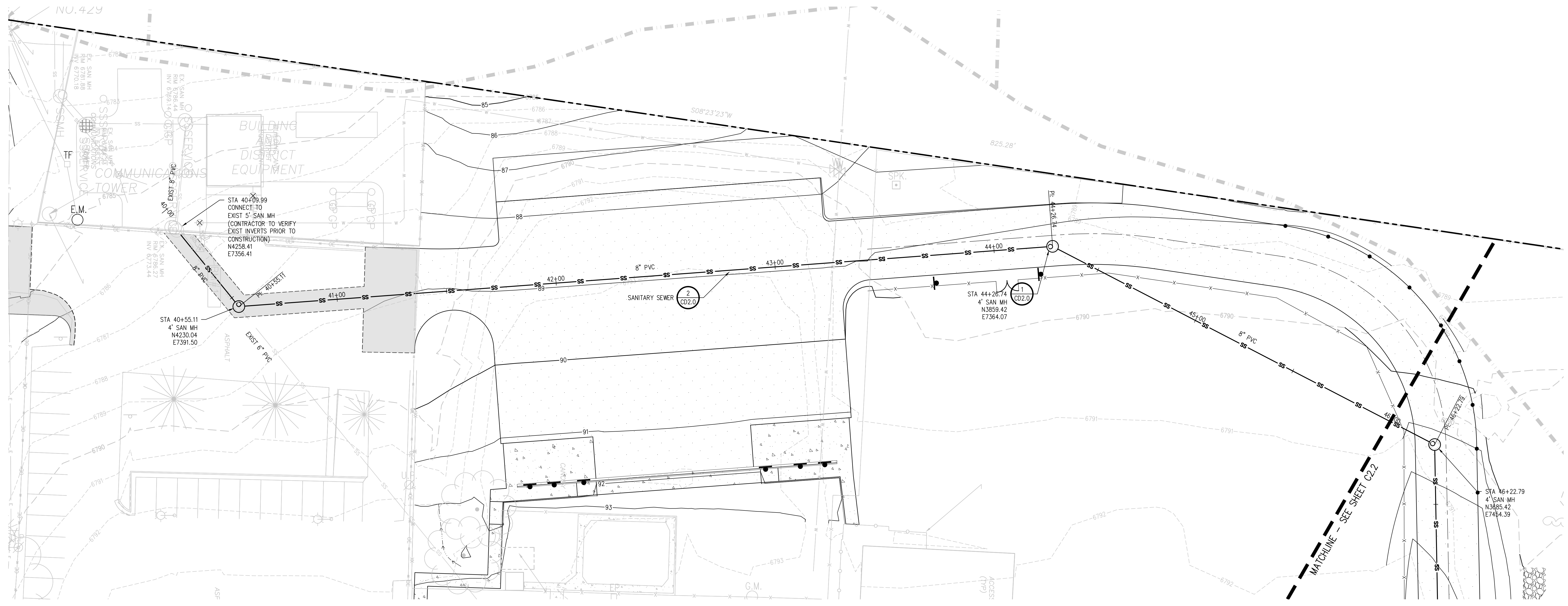
WTA PROJECT NUMBER
2021-041.00
DATE
09/20/2022

REVISIONS

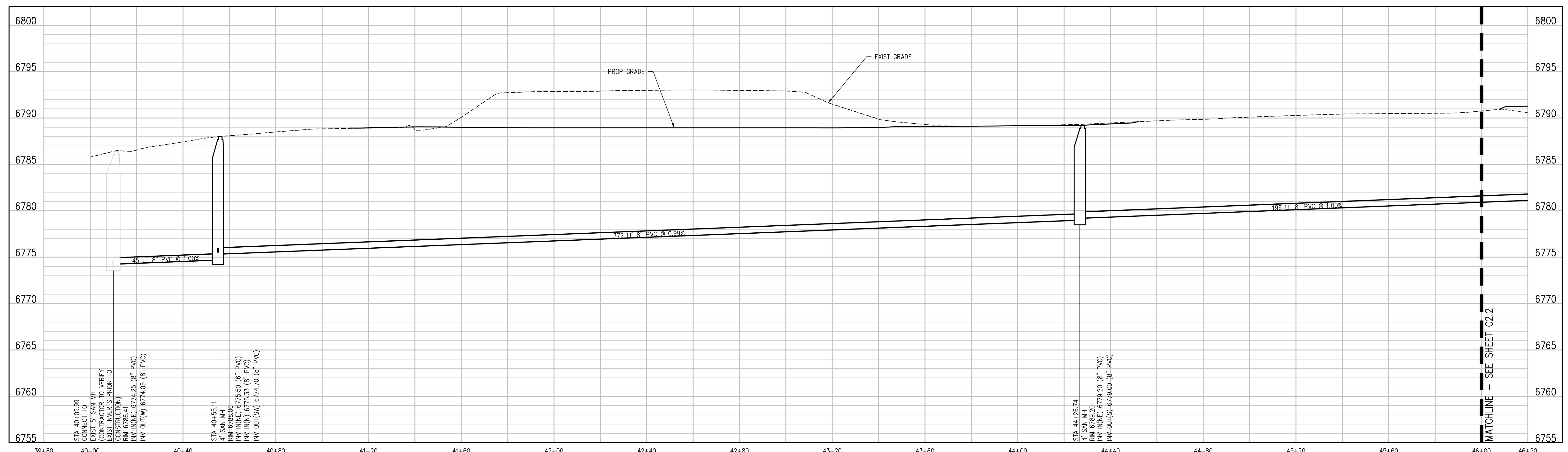
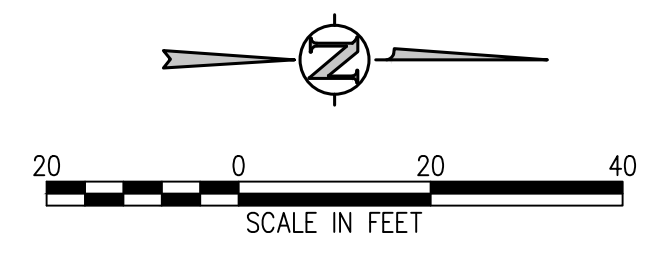
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DESIGNED BY: **CWK/HCM**
CHECKED BY: **TWJ/AMB**
DATE FOR CONSTRUCTION DOCUMENTS: **CWK**

- 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.



SANITARY SEWER MAIN PLAN
 SCALE: 1"=20'



SANITARY 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
SANITARY MAIN PLAN AND PROFILE

DATE PROJECT NUMBER
2021-041.00

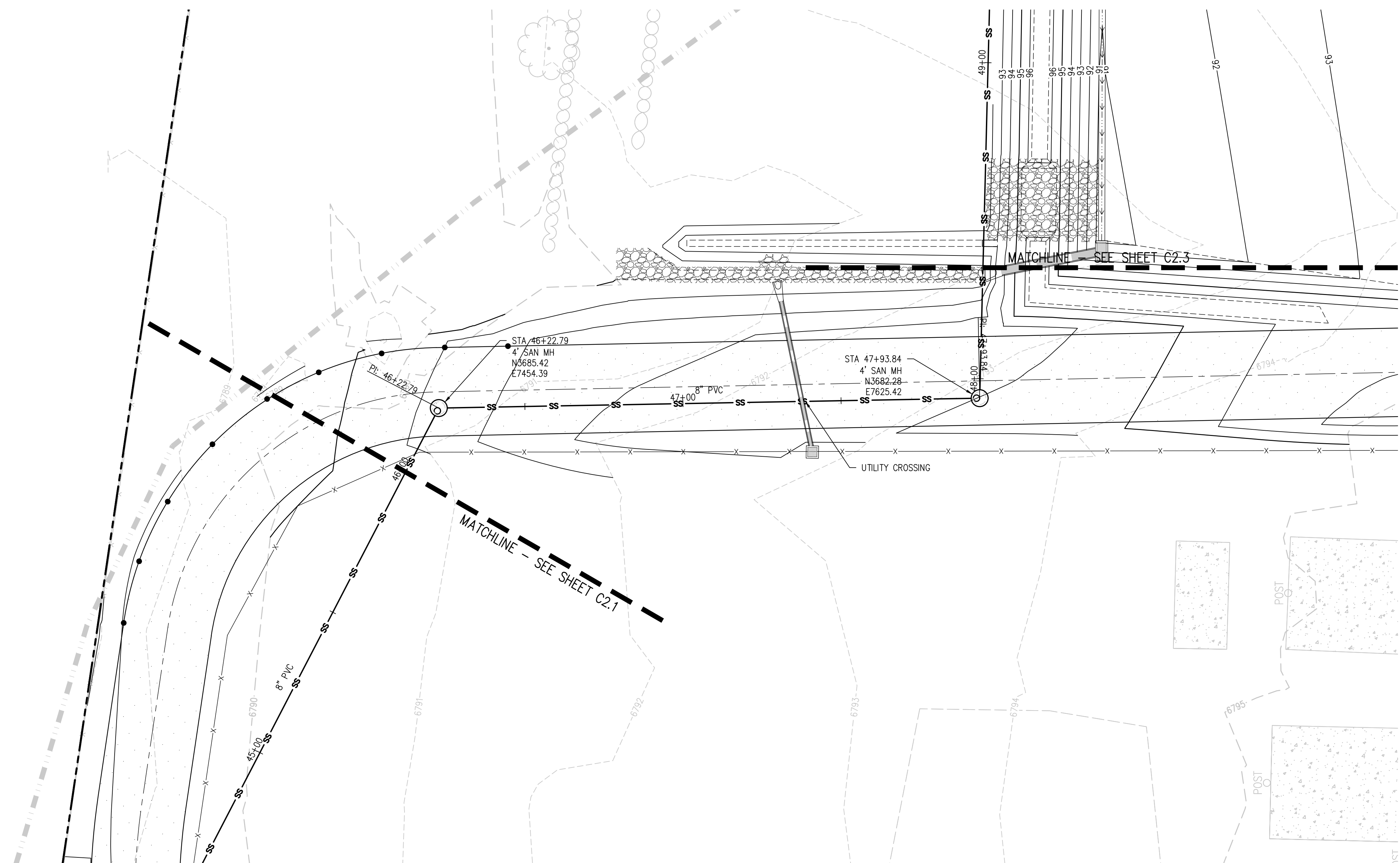
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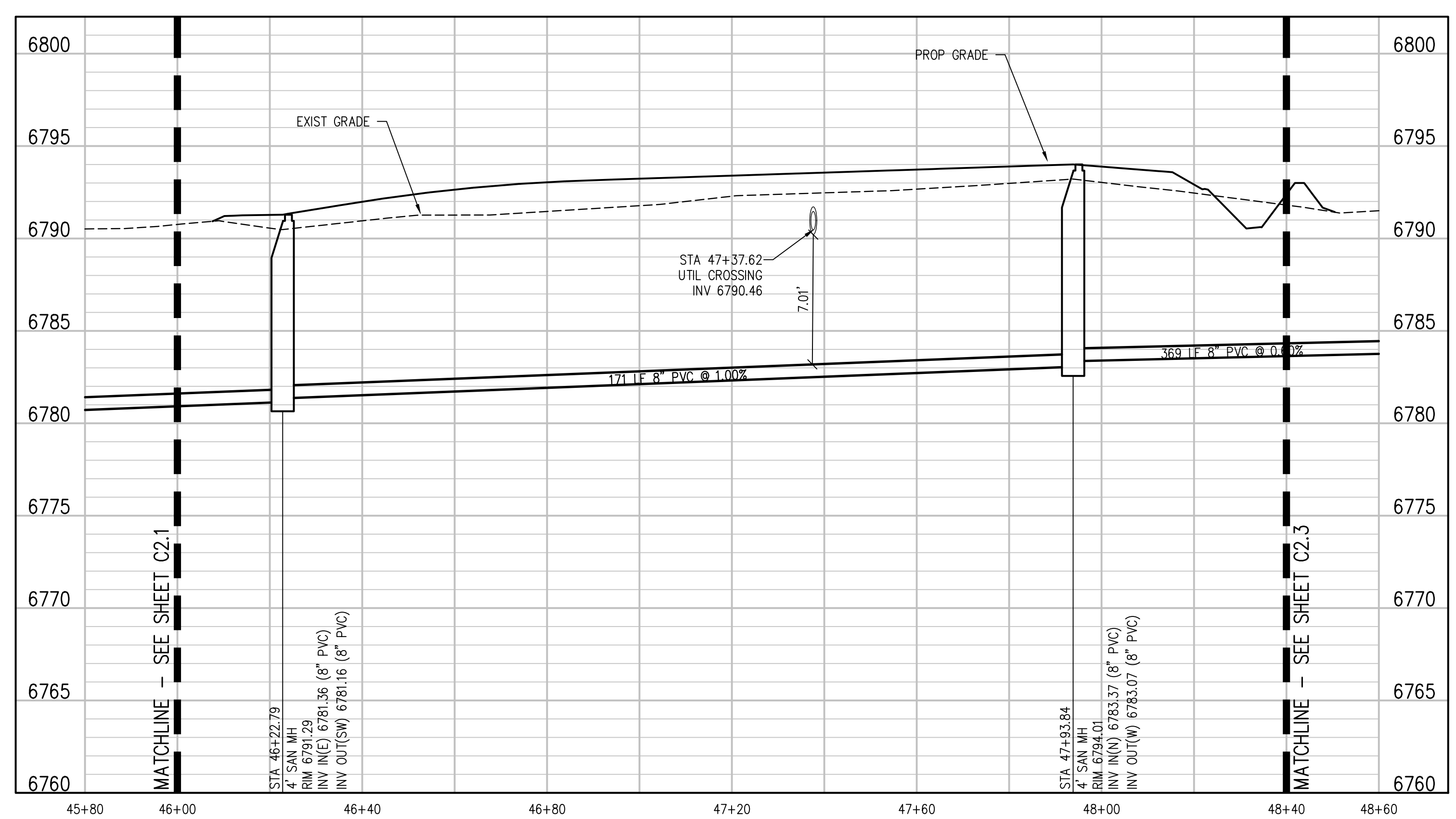
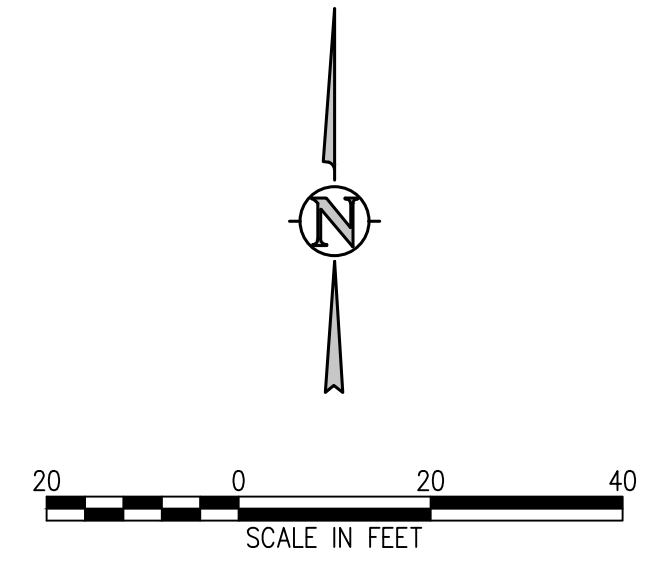
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 DRAWN BY: **TWK/AMB**
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SANITARY SEWER MAIN PLAN
SCALE: 1"=20'



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

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SCHOOL DISTRICT NO 49
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SHEET TITLE
SANITARY MAIN PLAN AND PROFILE

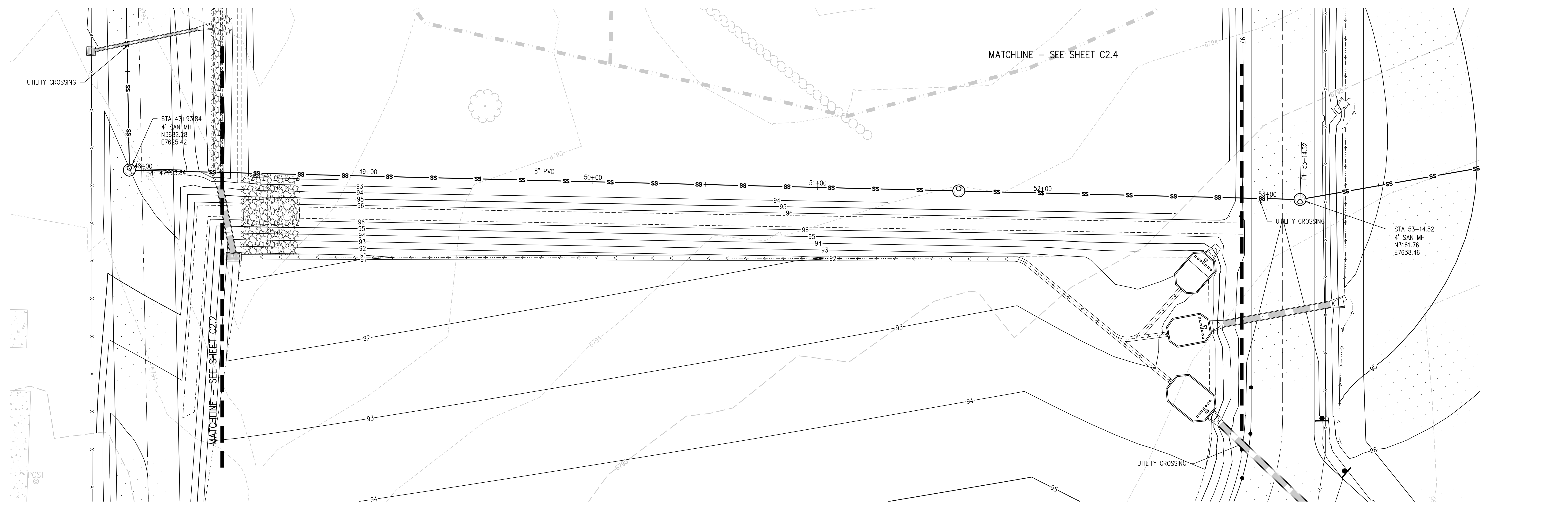
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DATE
09/20/2022

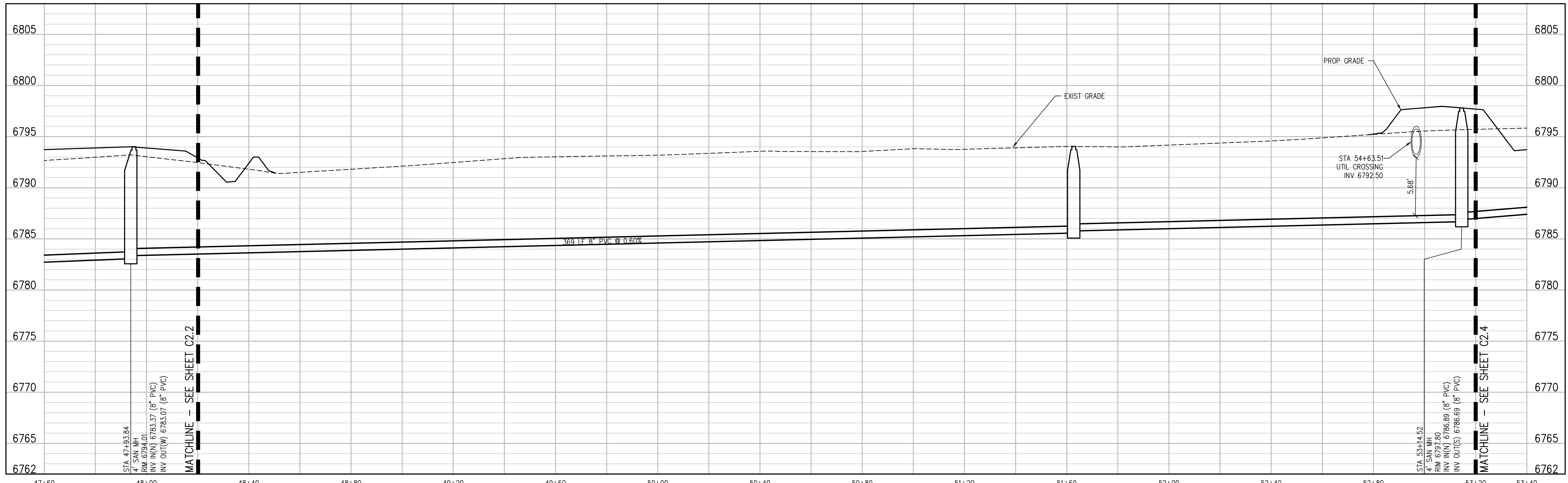
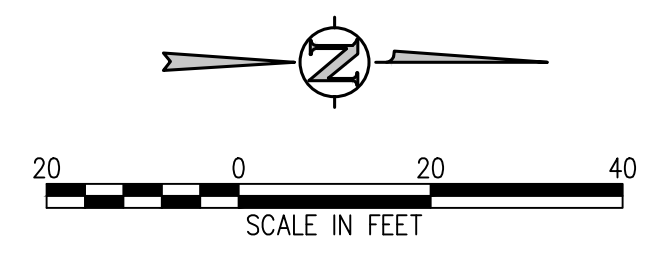
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DATE APPROVAL: **CWK/HCM**
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SANITARY SEWER MAIN PLAN
SCALE: 1"=20'



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

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SHEET TITLE
**SANITARY MAIN
PLAN AND
PROFILE**

RTA PROJECT NUMBER
2021-041.00
DATE
09/20/2022

REVISIONS

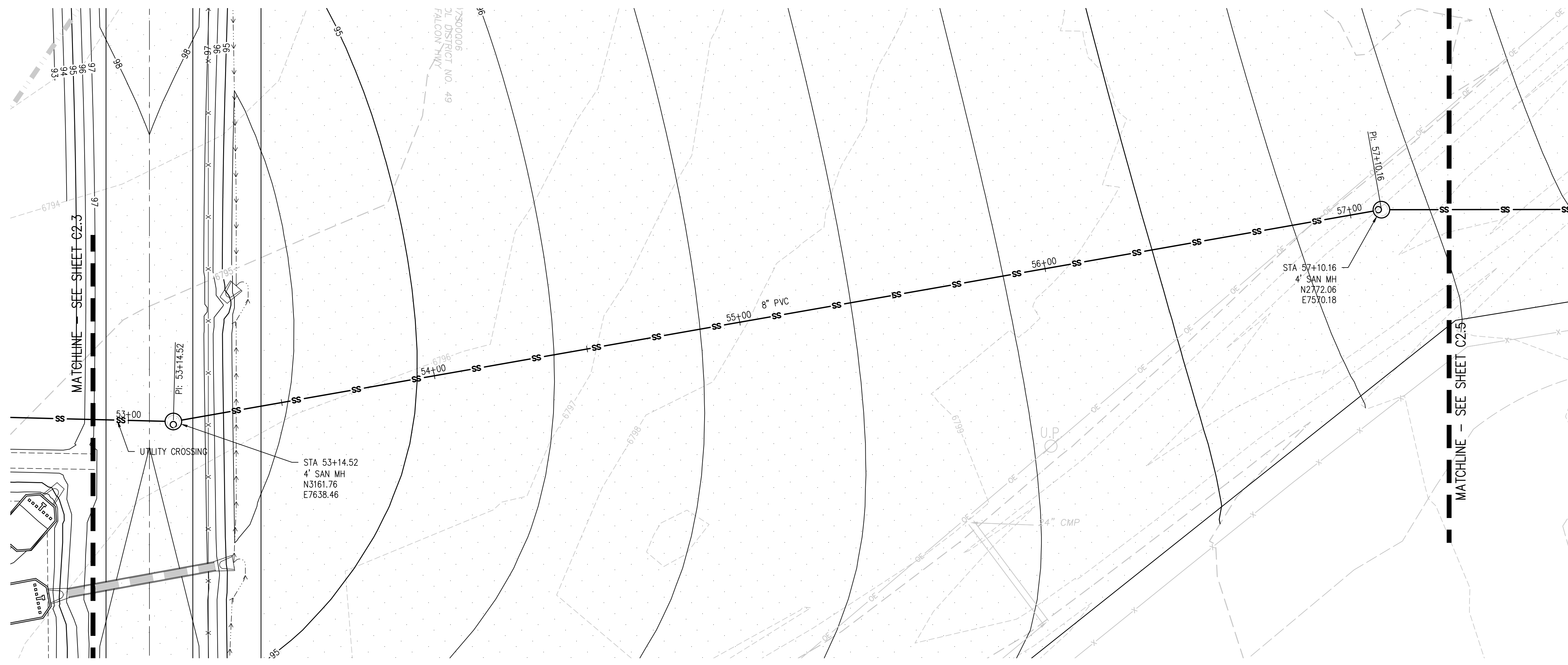
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CHECKED BY: **CWK**

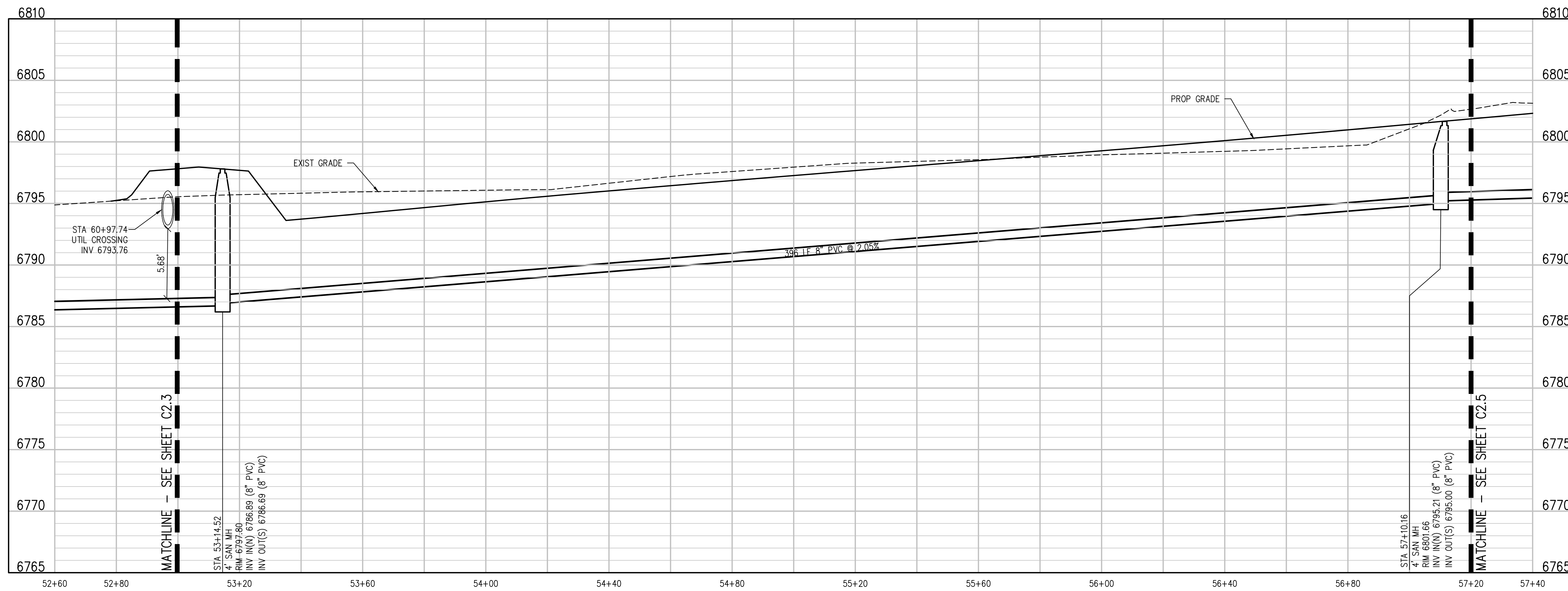
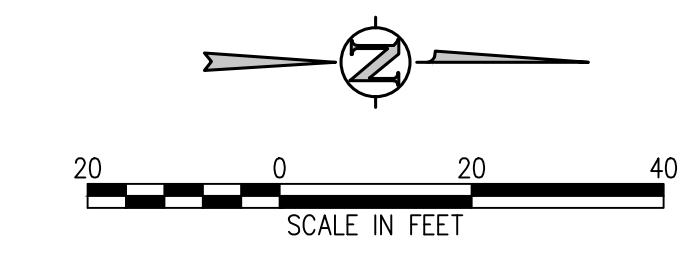
ISSUED FOR
**CONSTRUCTION
DOCUMENTS**

SHEET NO.
C2.3

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SANITARY SEWER MAIN PLAN
SCALE: 1"=20'



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

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SHEET TITLE
**SANITARY MAIN
PLAN AND
PROFILE**

RTA PROJECT NUMBER
2021-041-00

DATE
09/20/2022

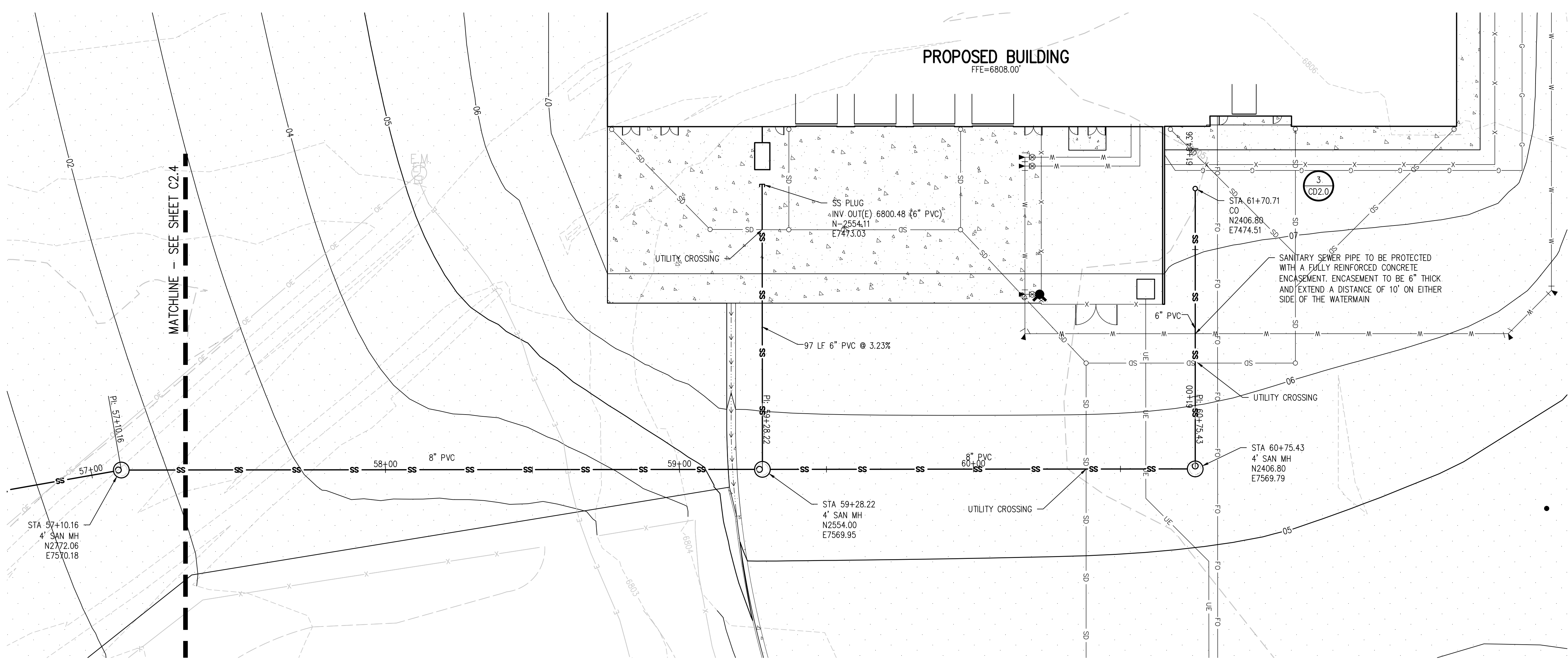
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DESIGNED BY: **CWK/HCM**
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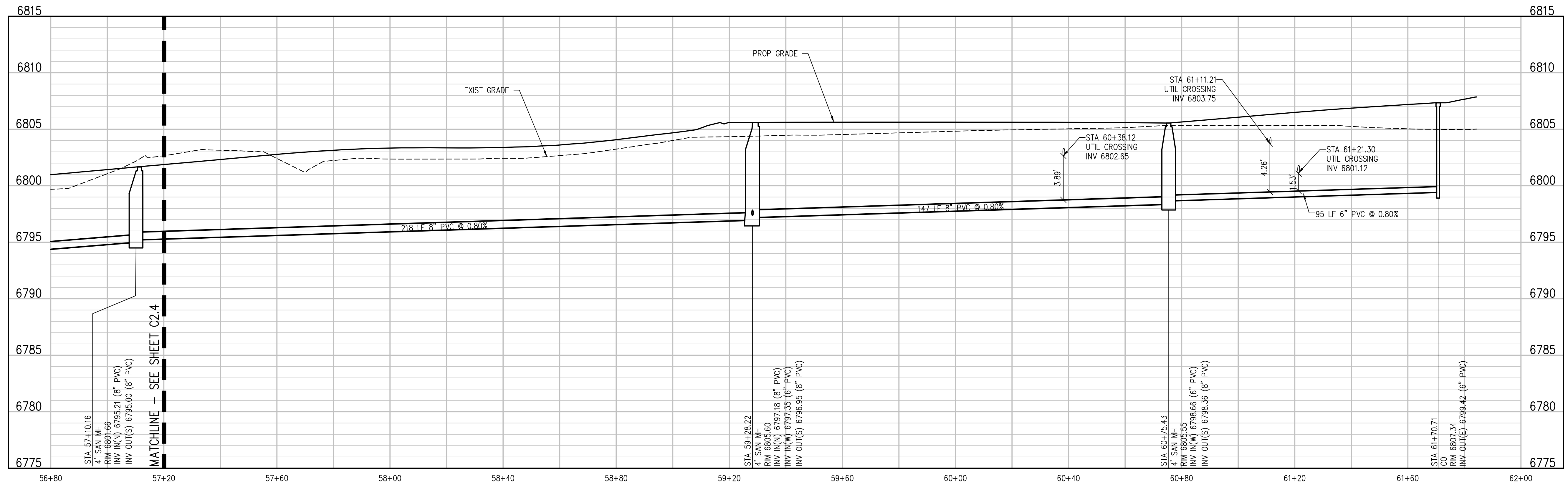
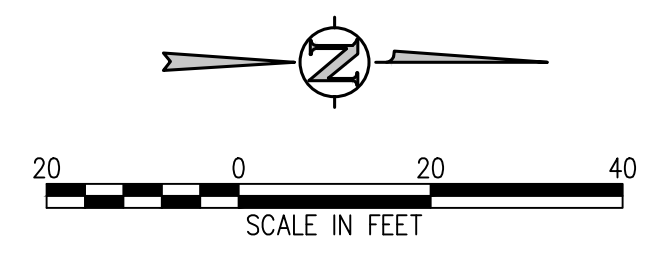
ISSUED FOR
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DOCUMENTS**

C2.4

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SANITARY SEWER MAIN PLAN
SCALE: 1"=20'



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

D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
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SANITARY MAIN PLAN AND PROFILE

PROJECT NUMBER: **2021-041.00**
DATE: **09/20/2022**

#	DATE	DESCRIPTION
1		ISSUED FOR CONSTRUCTION DOCUMENTS

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APPROXIMATE LOCATION OF EXISTING MAIN
BASED ON DRAWINGS PROVIDED BY UTILITY
OWNER. CONTRACTOR TO VERIFY LOCATION
PRIOR TO CONSTRUCTION

MATCHLINE - SEE SHEET C2.7



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SHEET TITLE
WATER PLAN A

MTA PROJECT NUMBER
2021-041.00
DATE
09/20/2022

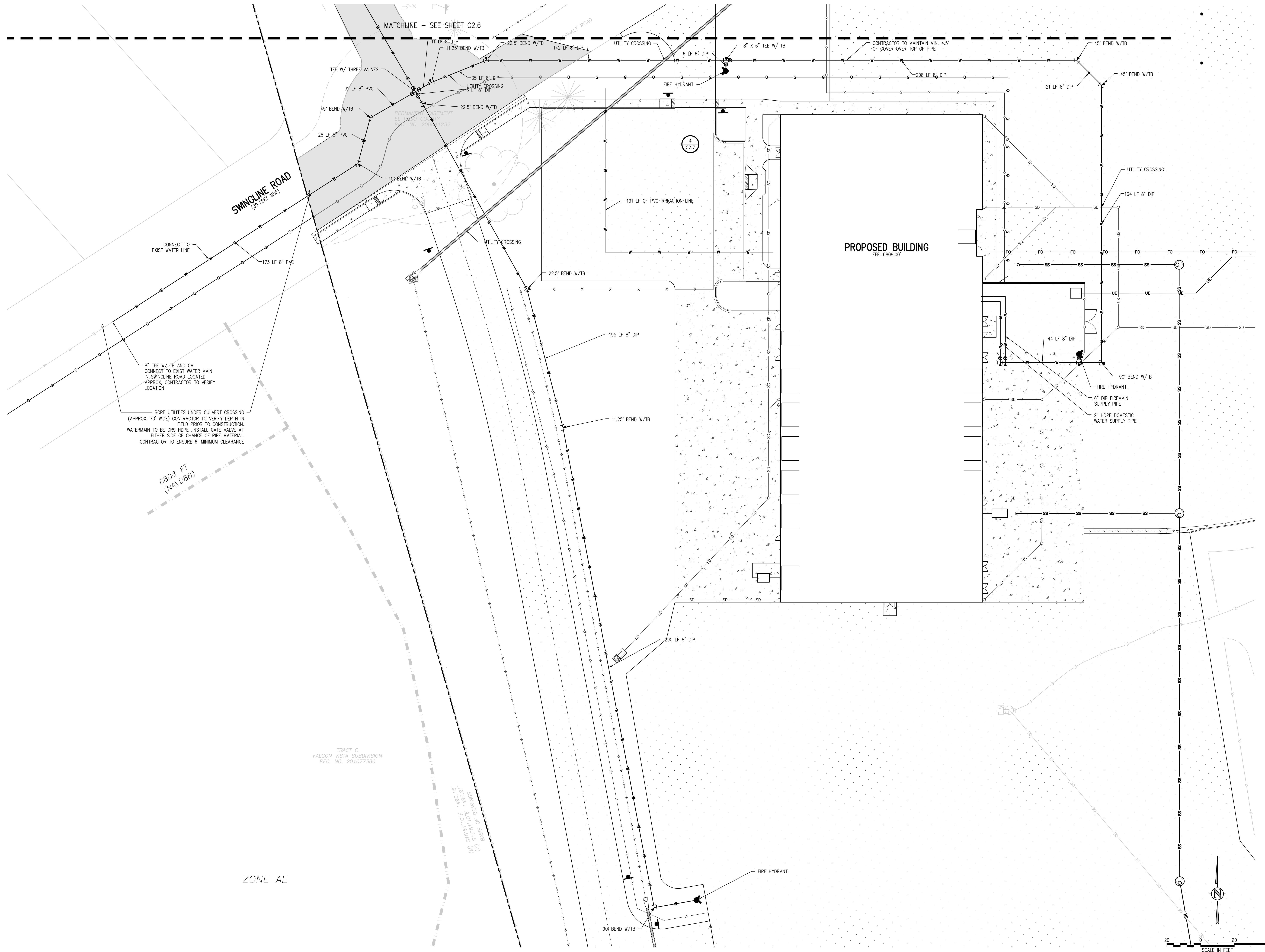
#	DATE	DESCRIPTION

DESIGNED BY: **CWK/HCM**
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ISSUED FOR
CONSTRUCTION DOCUMENTS

C2.6

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CONNECT TO EXIST WATER LINE

173 LF 8" PVC

8" TEE W/ TB AND GY
CONNECT TO EXIST WATER MAIN
IN SWINGLINE ROAD LOCATED
APPROX. CONTRACTOR TO VERIFY
LOCATION

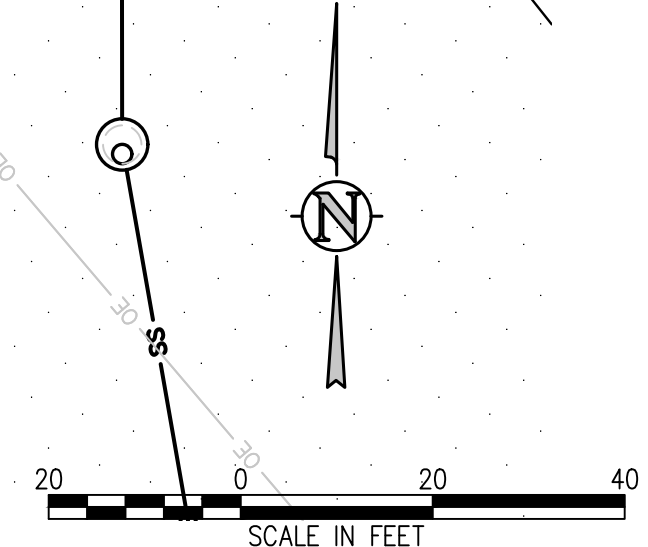
BORE UTILITIES UNDER CULVERT CROSSING
(APPROX. 70' WIDE) CONTRACTOR TO VERIFY DEPTH IN
FIELD PRIOR TO CONSTRUCTION.
WATERMAIN TO BE DR9 HDPE. INSTALL GATE VALVE AT
EITHER SIDE OF CHANGE OF PIPE MATERIAL.
CONTRACTOR TO ENSURE 6" MINIMUM CLEARANCE

6808 FT
(NAVD88)

TRACT C
FALCON VISTA SUBDIVISION
REC. NO. 201077380

(M) S15°11'0"E 1490.18'
(P) S105°11'0"E 1490.21'
BASIS OF BEARINGS

ZONE AE



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SCHOOL DISTRICT NO 49
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WATER PLAN B

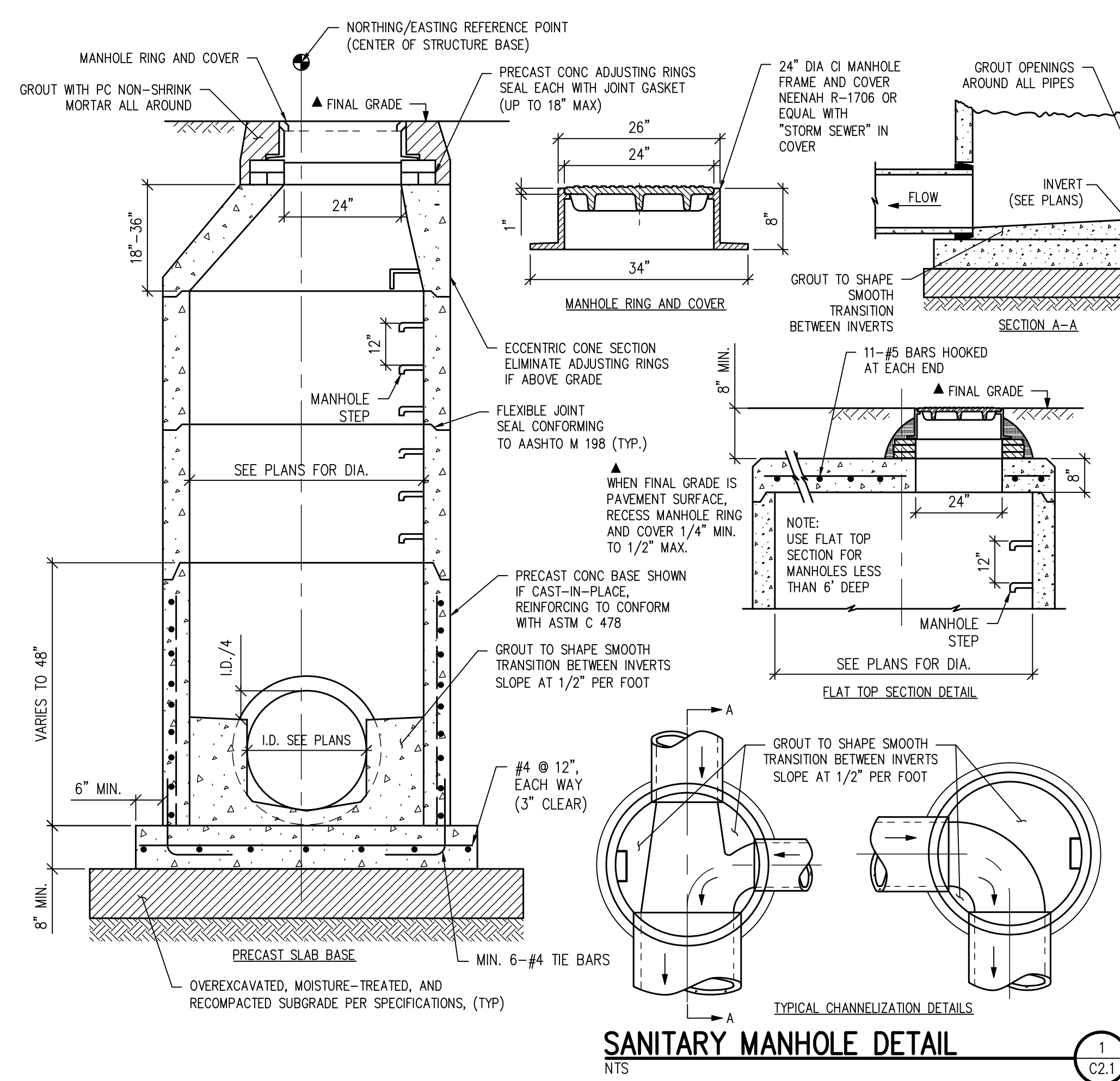
WTA PROJECT NUMBER
2021-041.00
DATE
09/20/2022

NO.	DATE	DESCRIPTION

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

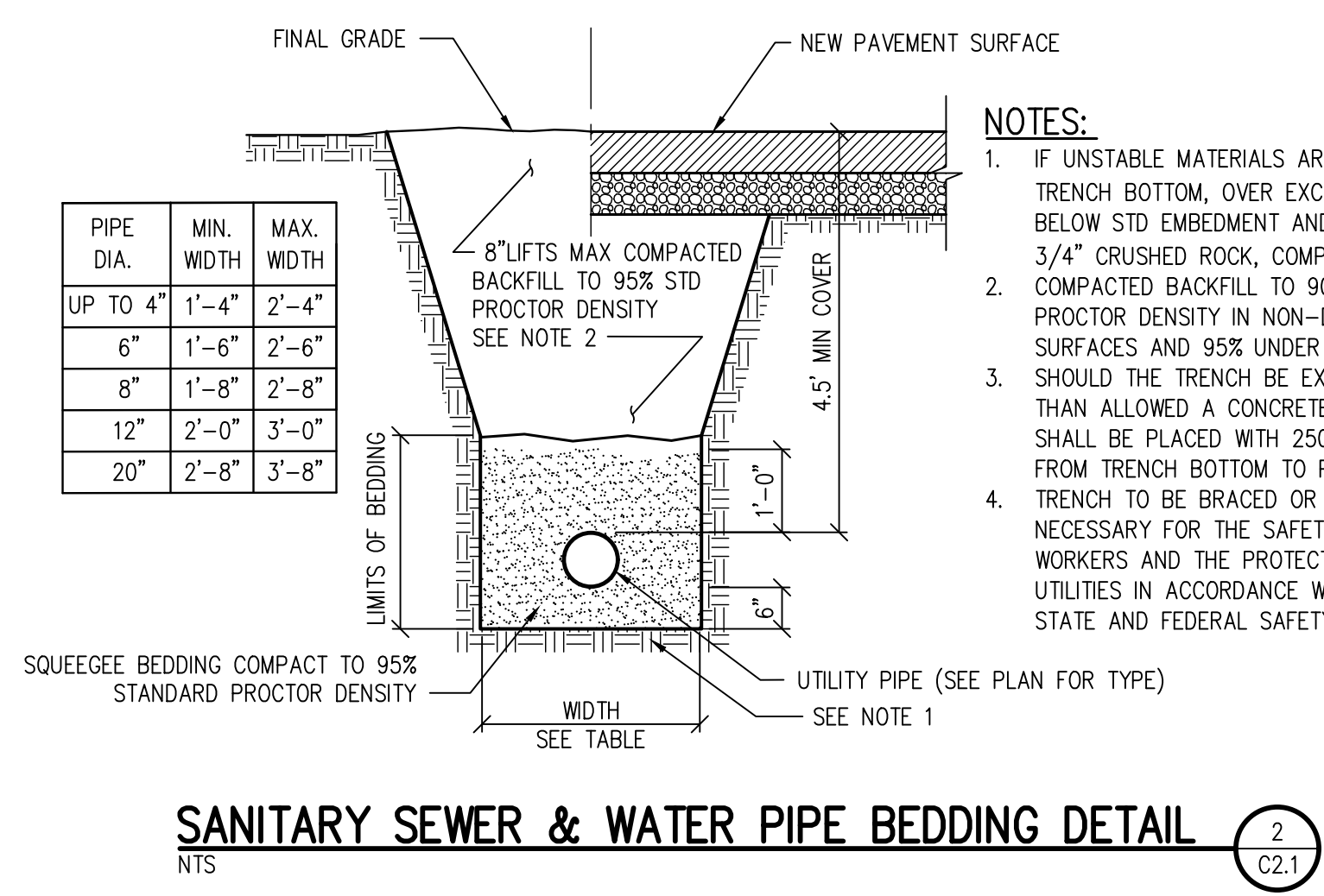
ISSUED FOR
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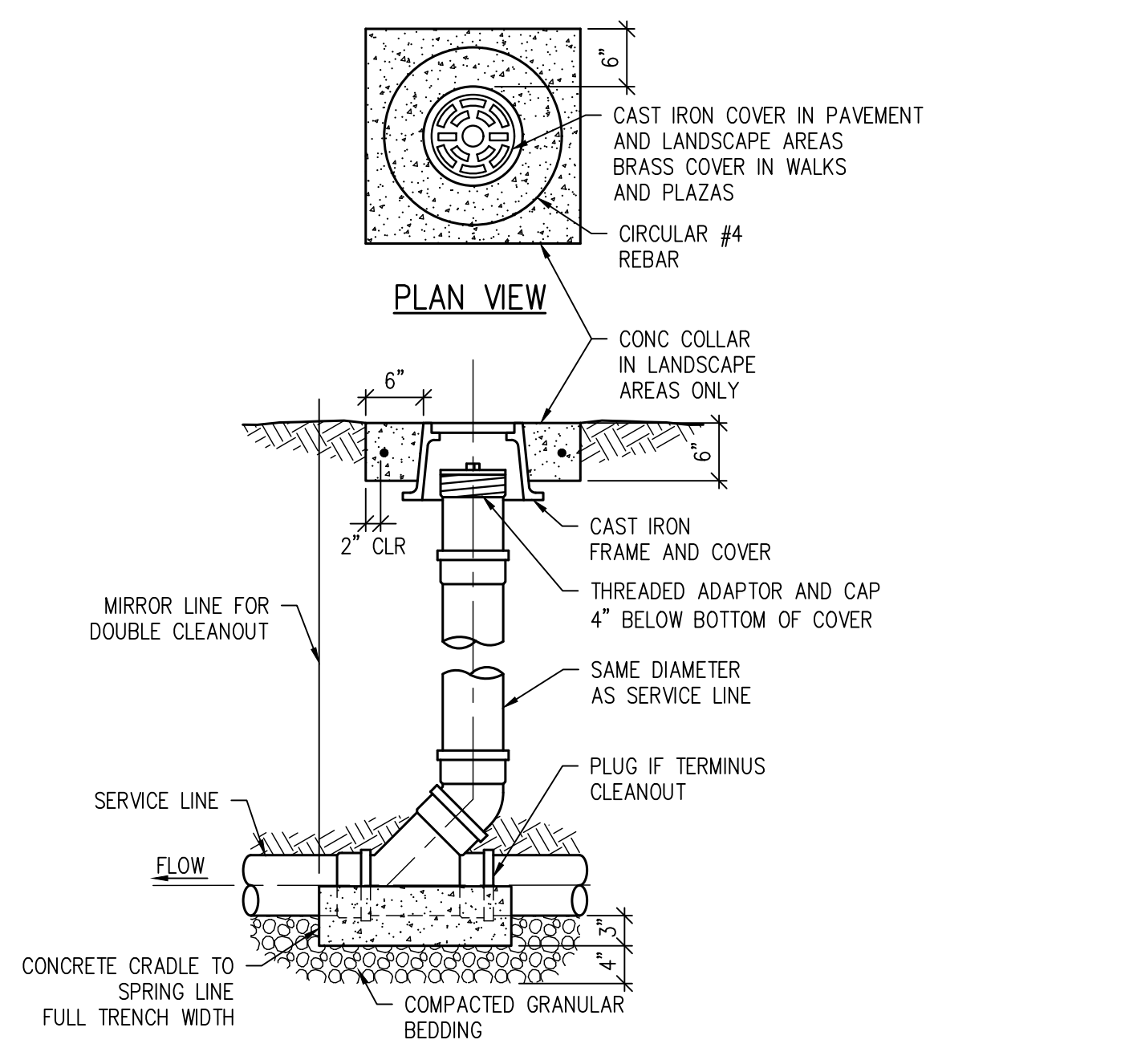
- NOTES:**
1. SINCE ALL PIPE ENTRIES INTO THE BASE ARE VARIABLE, THE DIMENSIONS SHOWN ARE TYPICAL. ACTUAL DIMENSIONS AND QUANTITIES FOR CONCRETE AND REINFORCEMENT SHALL BE AS REQUIRED IN THE WORK.
 2. THE PRECAST FLAT TOP MAY BE USED ON ANY MANHOLE.
 3. THE MANHOLE RING FRAME SHALL BE SET IN A BED OF GROUT. THE FRAME SHALL BE SURROUNDED WITH A CEMENT GROUT IN UNPAVED AREA, OR A CONCRETE COLLAR IN PAVED AREA. SEE DETAILS ON SHEETS 2 AND 3.
 4. DESIGN OF BOX BASE IS BASED ON STRAIGHT RUNS OF PIPE OR CHANGE IN DIRECTION OF LESS THAN 45°. SPECIAL DESIGN IS REQUIRED FOR 45° OR GREATER.
 5. PRECAST MANHOLES AND REINFORCEMENT SHALL CONFORM TO AASHTO M 199 (ASTM C 478).
 6. CAST-IN-PLACE MANHOLES SHALL BE CLASS B CONCRETE.
 7. STEPS SHALL BE REQUIRED WHEN THE MANHOLE DEPTH EXCEEDS 3 FT.-6 IN. AND SHALL CONFORM TO AASHTO M 199.
 8. ALL REINFORCING STEEL SHALL BE GRADE 60 AND EPOXY COATED. VERTICAL STEEL SHALL BE PLACED AT CENTERLINE OF WALL. ALL BARS SHALL HAVE A 2 IN. MINIMUM CLEARANCE.
 9. ALL PIPE ENTRIES INTO THE BASE OF MANHOLE SHALL BE CONNECTED BY OPEN CHANNELIZATION ADJUSTED FOR PIPE SIZE, SHAPE, SLOPE, AND DIRECTION OF FLOW. DETAILS SHOWN ARE TYPICAL FOR INSTALLATIONS WITH ALL INVERTS OF SAME RELATIVE ELEVATION. FOR EXCESSIVE ELEVATION DIFFERENCE BETWEEN INVERTS, SPECIAL BASE/CHANNEL DETAILS WILL BE SHOWN ON THE PLANS.
 10. FLOW CHANNELS AND INVERTS SHALL BE FORMED BY SHAPING WITH CLASS B CONCRETE OR APPROVED GROUT.
 11. STUB-OUTS SHALL EXTEND 2 FT. MINIMUM BEYOND OUTSIDE WALL SURFACE OF MANHOLE AND BE SATISFACTORILY PLUGGED.
 12. THE SLOPE OF THE MANHOLE COVER SHALL MATCH THE ROADWAY PROFILE AND CROSS SLOPE.
 13. BASE SLABS SHALL BE POURED MONOLITHICALLY WITH BOTTOM RISER SECTION.
 14. PRECAST MANHOLE BASES SHALL FIT THE CONDITIONS AND LOCATIONS FOR WHICH THEY ARE INTENDED WITHOUT ANY FIELD MODIFICATIONS. ANY MANHOLE BASE WHICH REQUIRES FIELD CUTTING OR MODIFICATION IN ORDER TO FIT THE LOCATIONS INTENDED WILL BE REJECTED BY THE ENGINEER AND REMOVED AND REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER.
 15. FOR FULL DETAIL, SEE CDOT DETAIL M-604-20.

SANITARY MANHOLE DETAIL 1
NTS

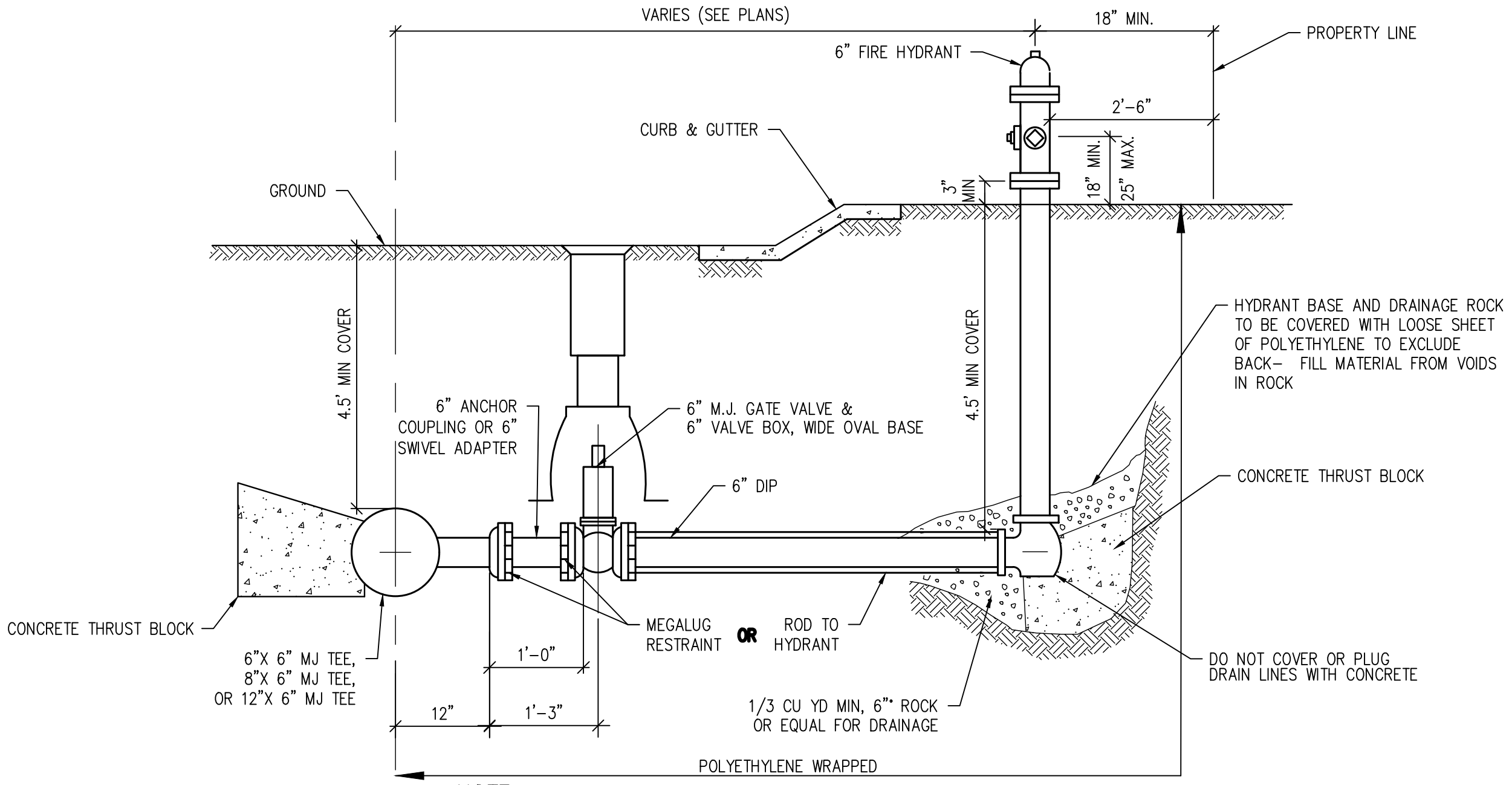


- NOTES:**
1. IF UNSTABLE MATERIALS ARE FOUND IN TRENCH BOTTOM, OVER EXCAVATE 12\"/>

SANITARY SEWER & WATER PIPE BEDDING DETAIL 2
NTS



SANITARY CLEANOUT DETAIL 3
NTS



- NOTE:**
1. ALTERNATE TO THE ABOVE, FASTEN MJ VALVE DIRECTLY TO A MJ ANCHOR TEE (ALSO CALLED SWIVEL TEE)
 2. NO HORIZONTAL OR VERTICAL BENDS ARE ALLOWED IN FIRE HYDRANT BRANCH OR SPRINKLER LINES
 3. NO PORTION OF THE FIRE HYDRANT MAY PROTRUDE INTO SIDEWALK AREA

FIRE HYDRANT ASSEMBLY DETAIL 4
NTS

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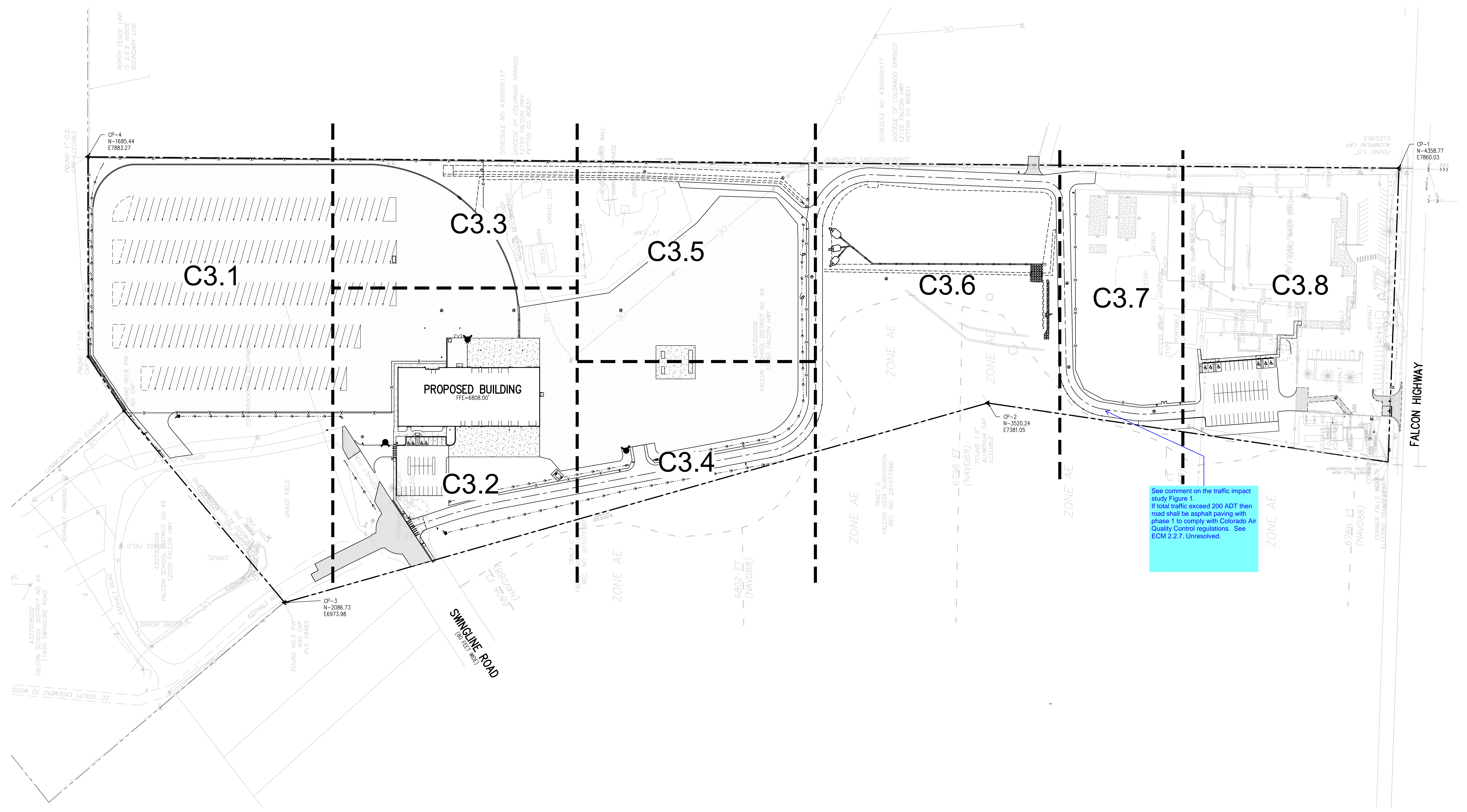


UTILITY DETAILS

RTA PROJECT NUMBER
2021-041.00
DATE
09/20/2022
REVISIONS

ISSUED FOR
CONSTRUCTION DOCUMENTS

CD2.0

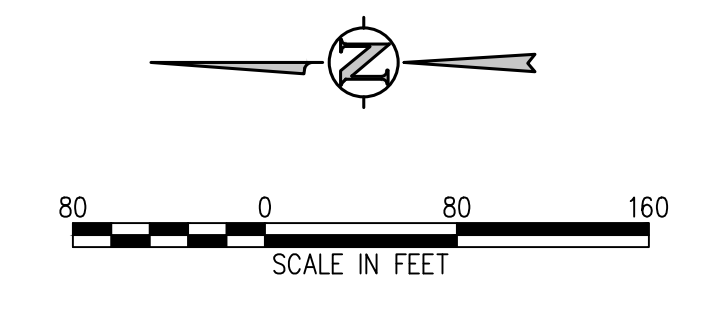


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SCHOOL DISTRICT NO 49
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SHEET TITLE
OVERALL HORIZONTAL CONTROL PLAN

WTA PROJECT NUMBER
2021-041.00
DATE
09/20/2022



- 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.

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

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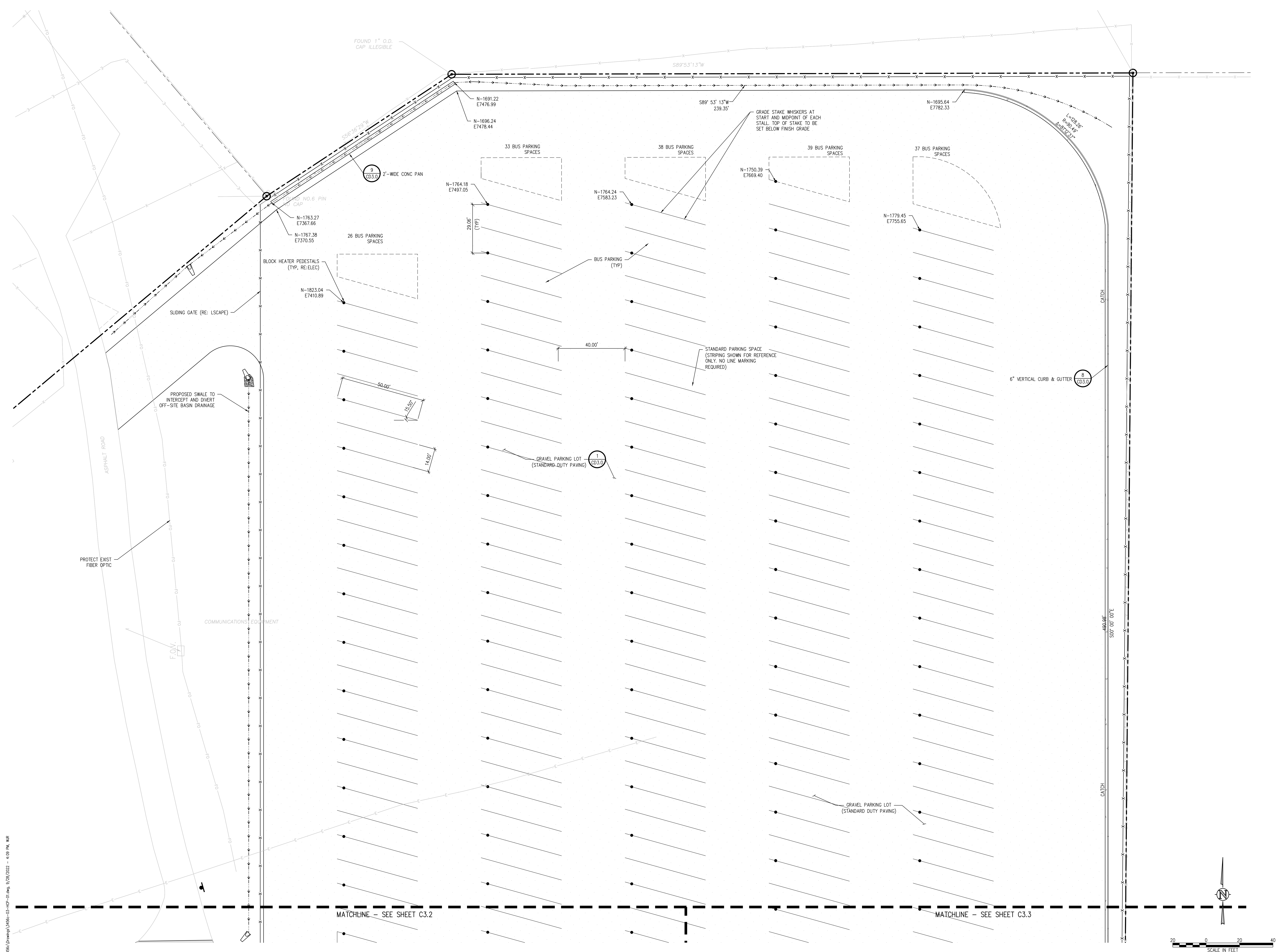
SHEET TITLE
HORIZONTAL CONTROL PLAN A

WTA PROJECT NUMBER
2021-041.00
DATE
09/20/2022

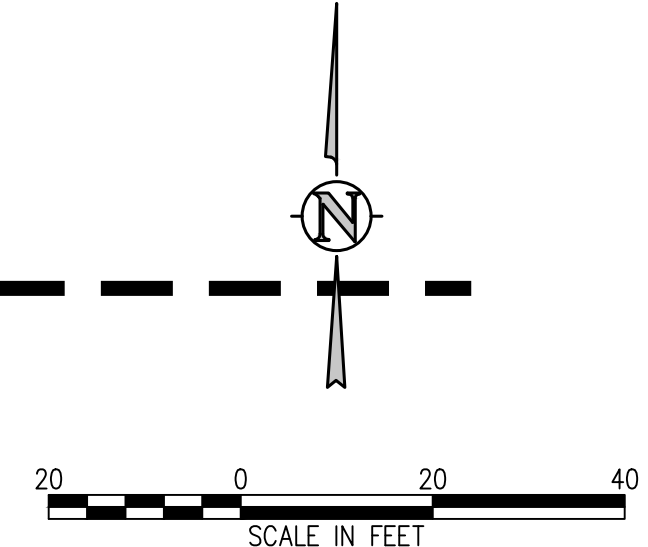
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DRAWN BY: **TWW/AMB**
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SHEET TITLE
HORIZONTAL CONTROL PLAN B

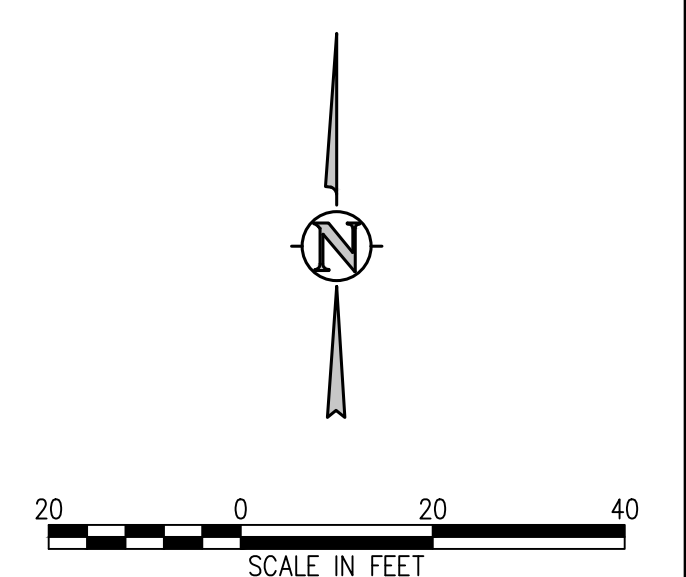
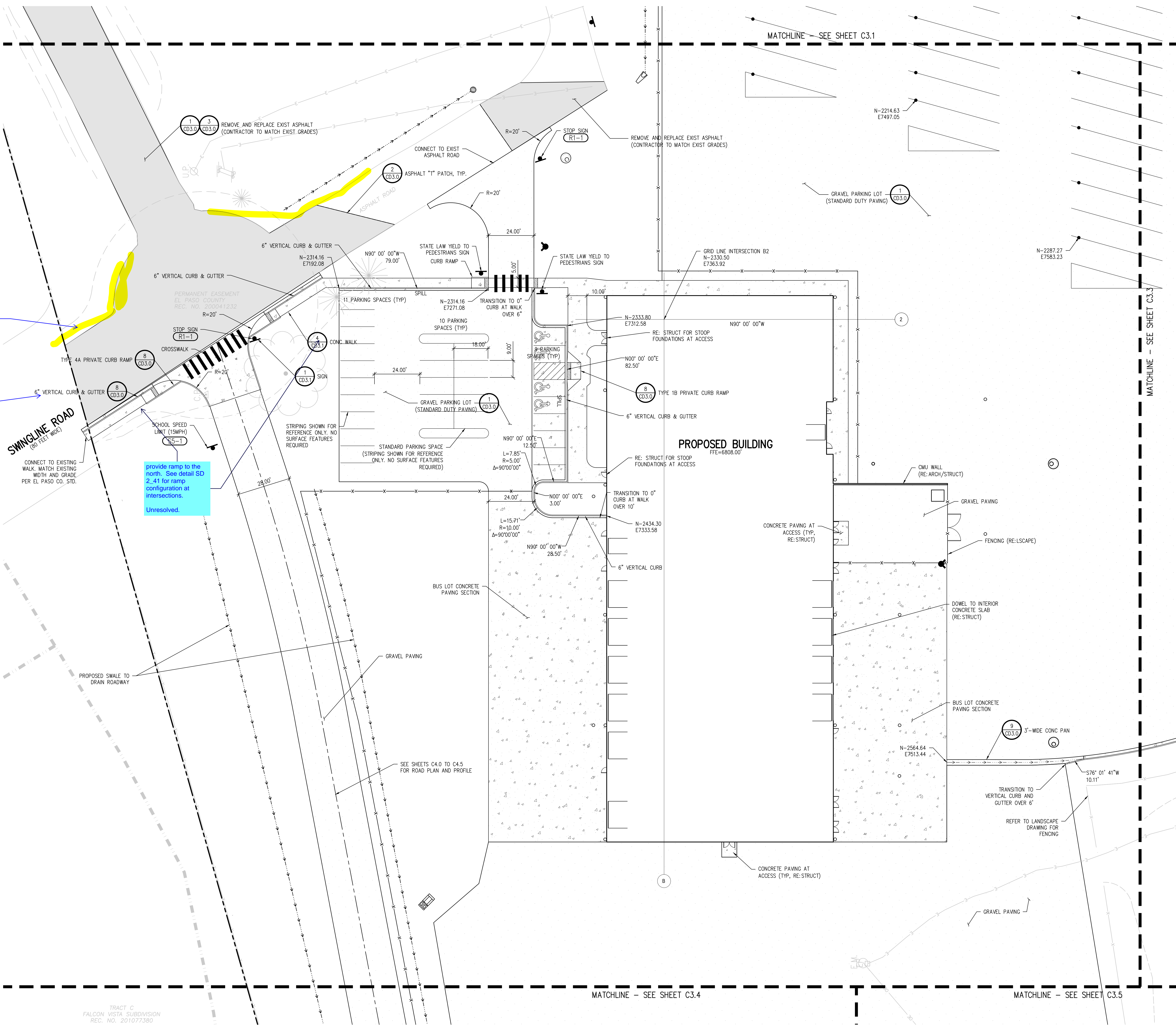
WTA PROJECT NUMBER
2021-041.00
DATE
09/20/2022

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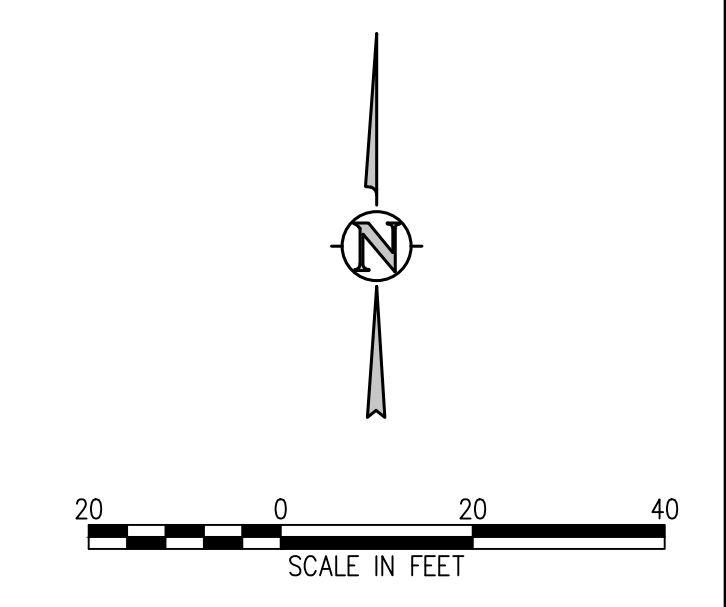
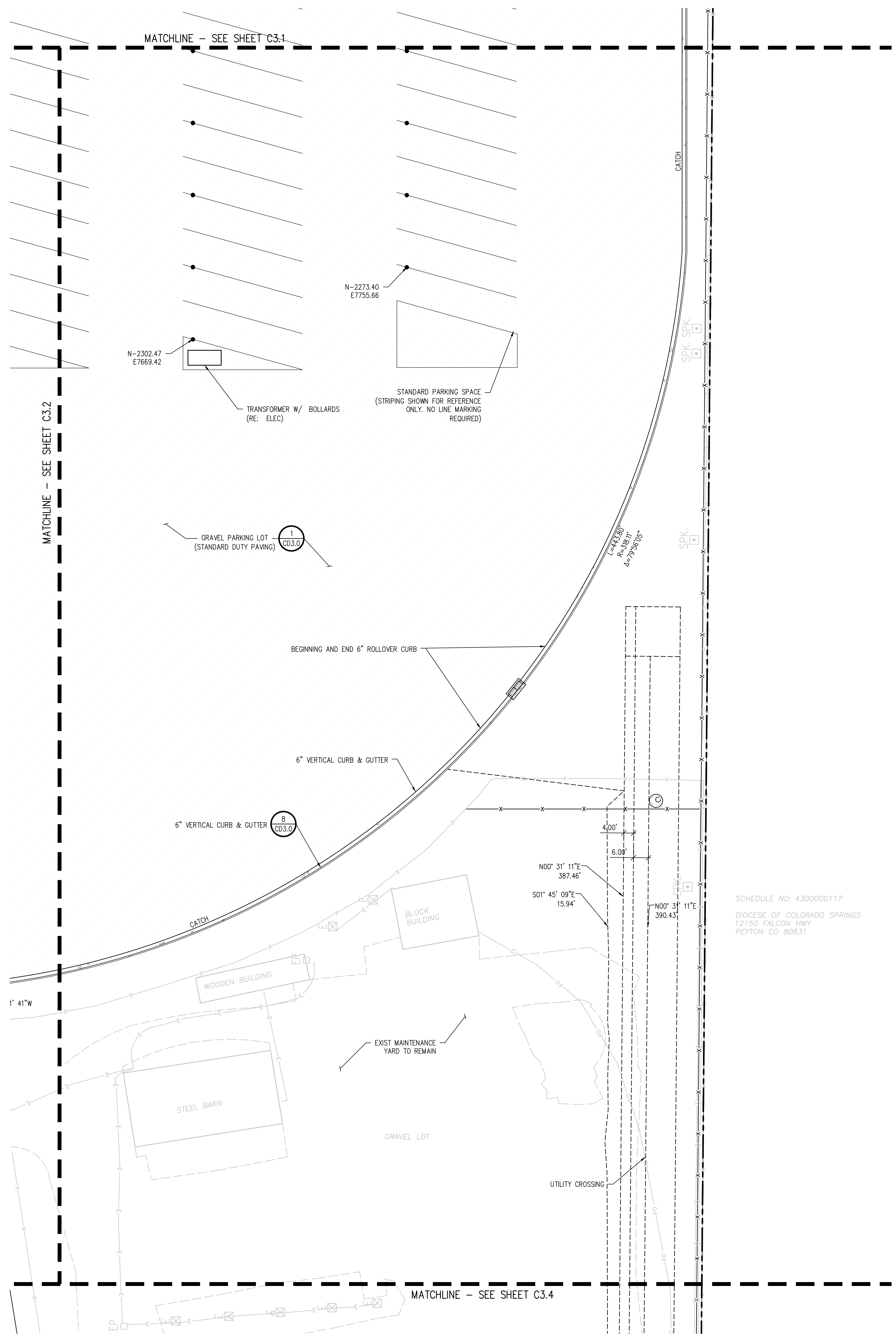
SHEET TITLE
HORIZONTAL CONTROL PLAN C

RTA PROJECT NUMBER
2021-041.00
DATE
09/20/2022

#	DATE	DESCRIPTION

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

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CONSTRUCTION DOCUMENTS
SHEET NO.
C3.3





SHEET TITLE
HORIZONTAL CONTROL PLAN D

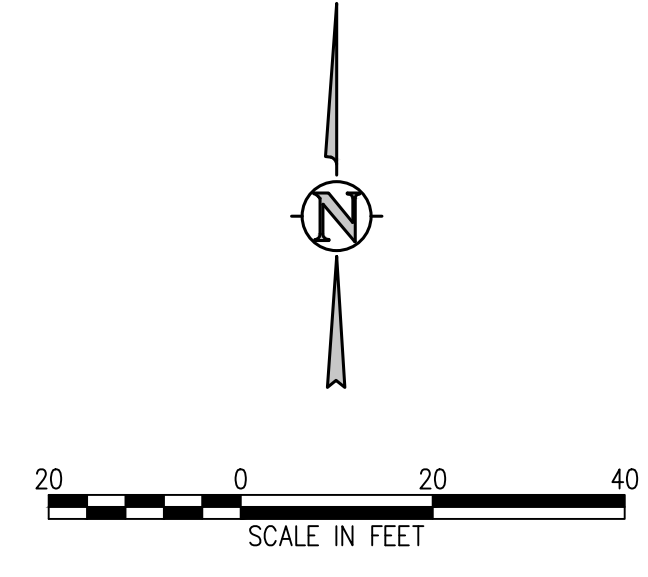
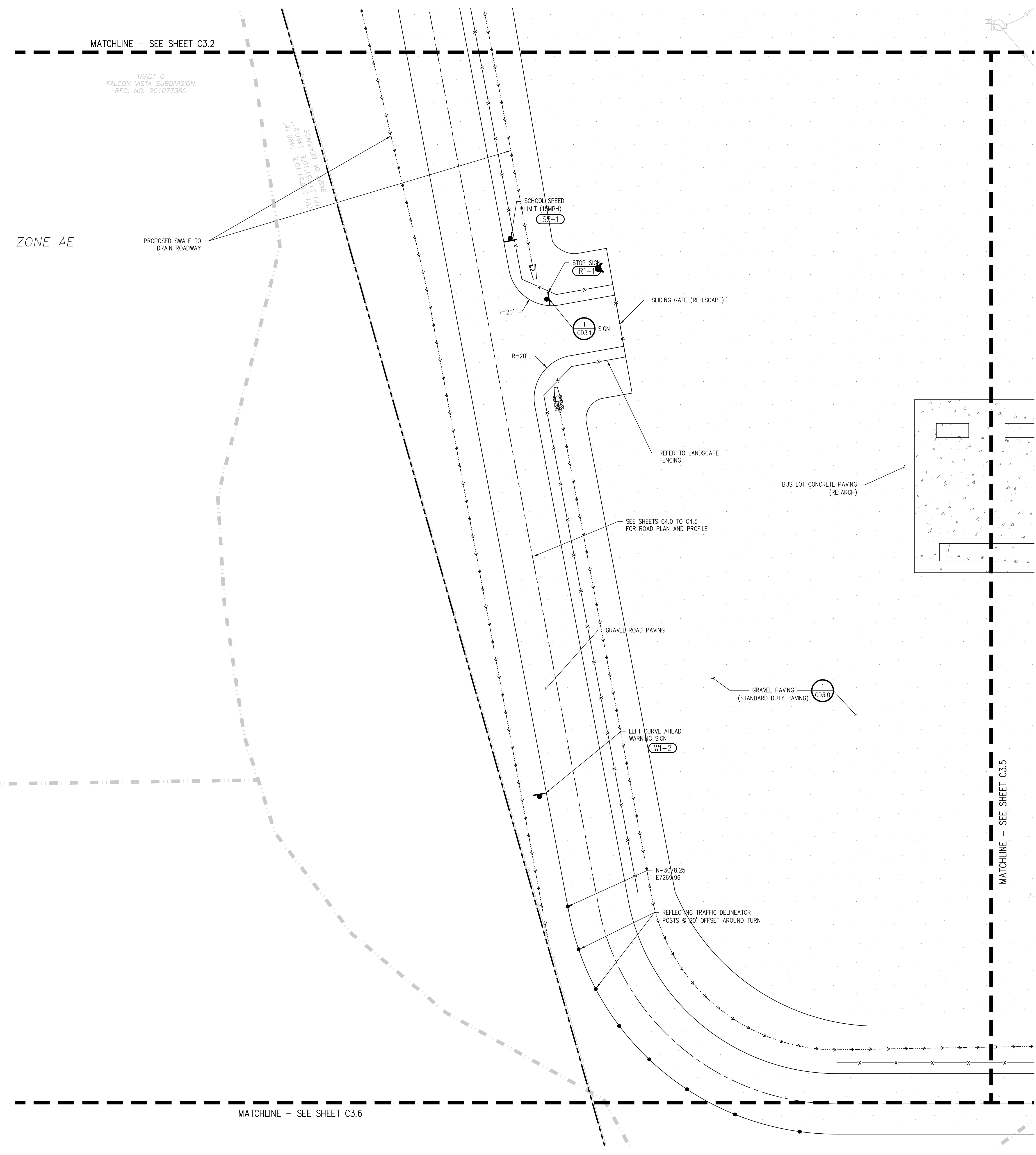
RTA PROJECT NUMBER
2021-041.00
DATE
09/20/2022
REVISIONS

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SHEET TITLE
HORIZONTAL CONTROL PLAN E

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DATE
09/20/2022

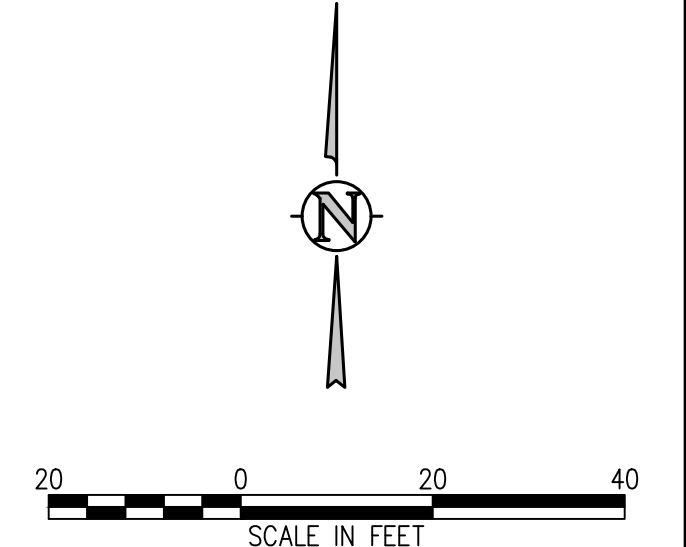
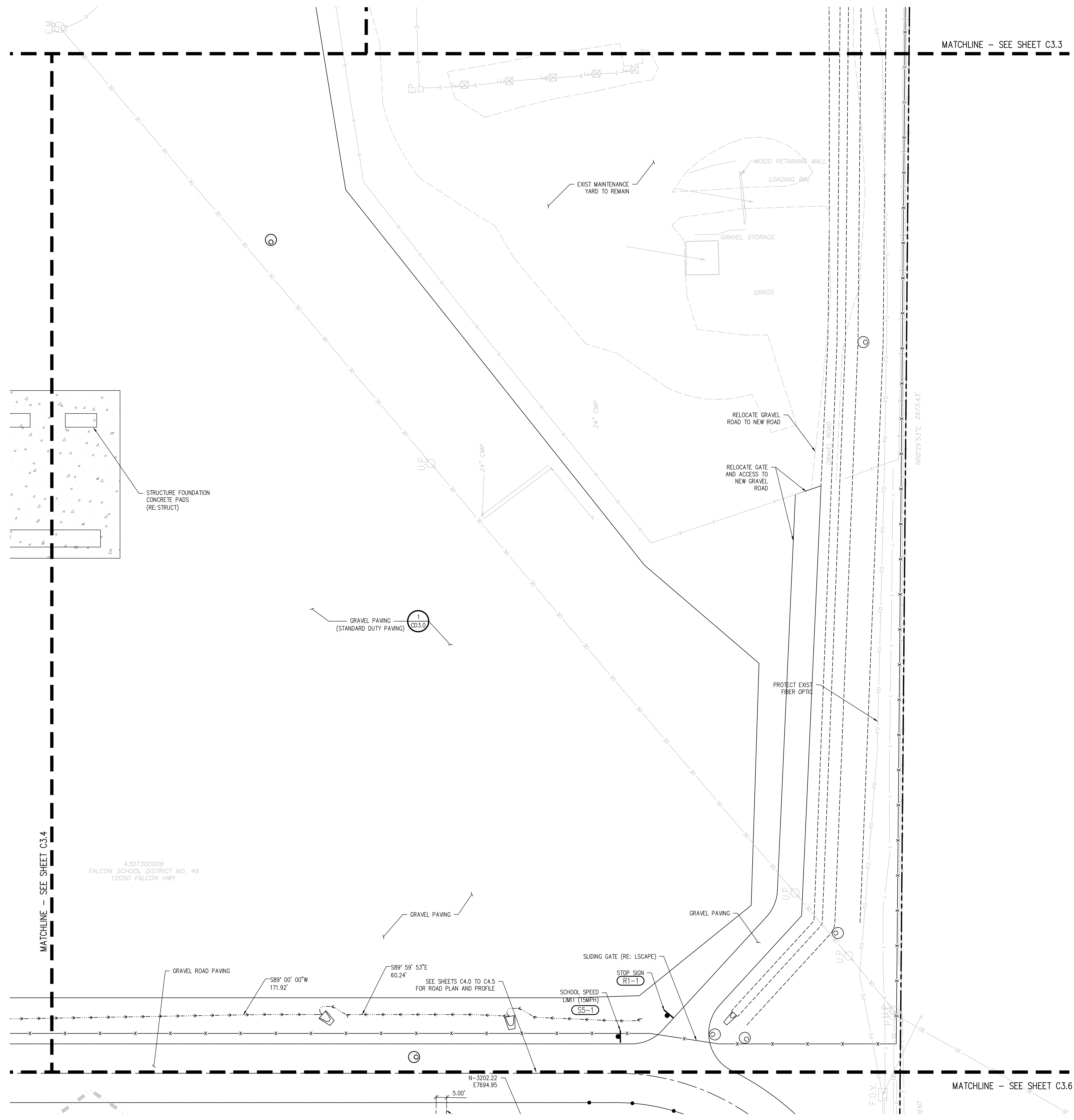
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 CHECKED BY: **CWK**

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



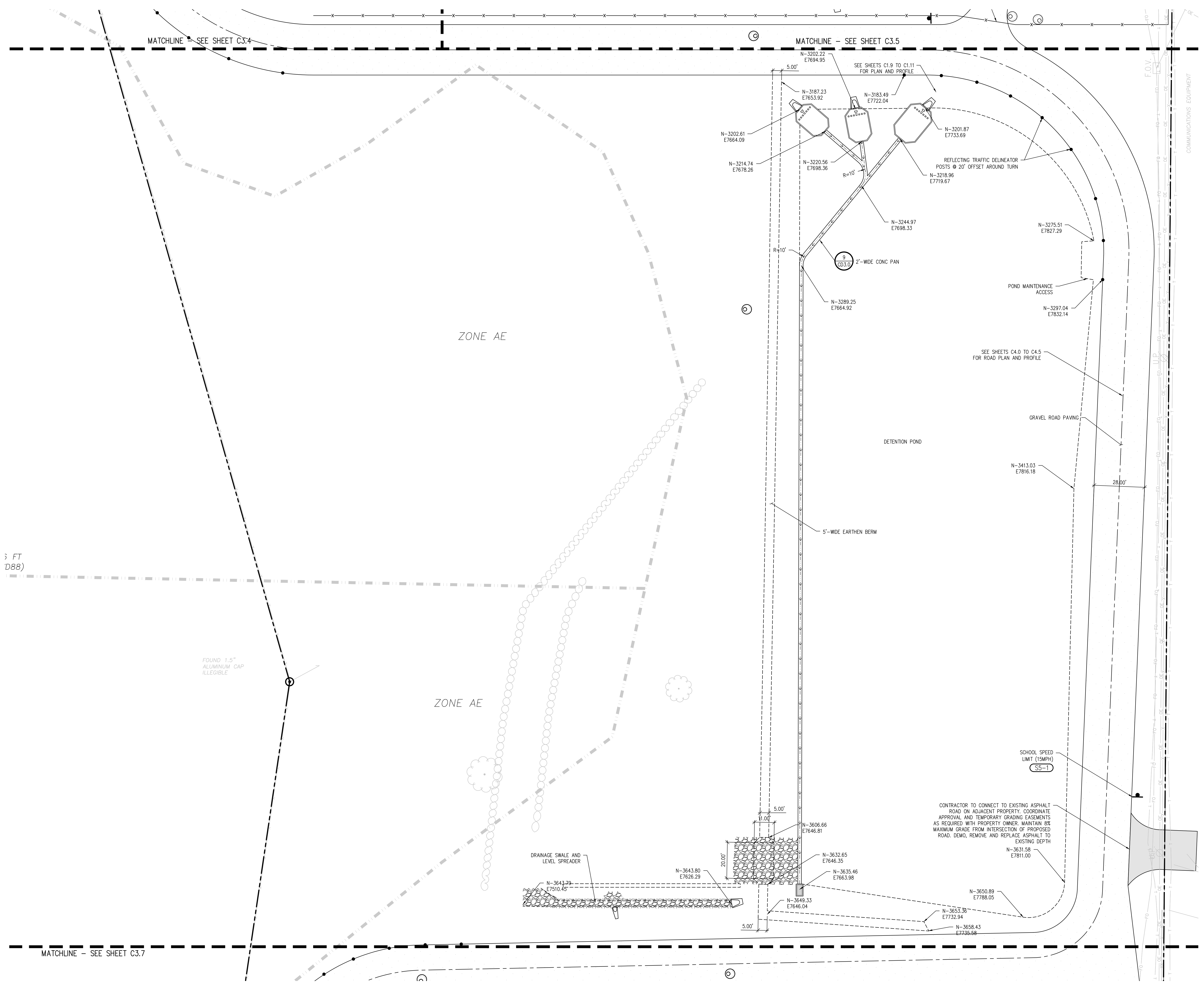
SHEET TITLE
HORIZONTAL CONTROL PLAN F

WTA PROJECT NUMBER
2021-041.00
DATE
09/20/2022

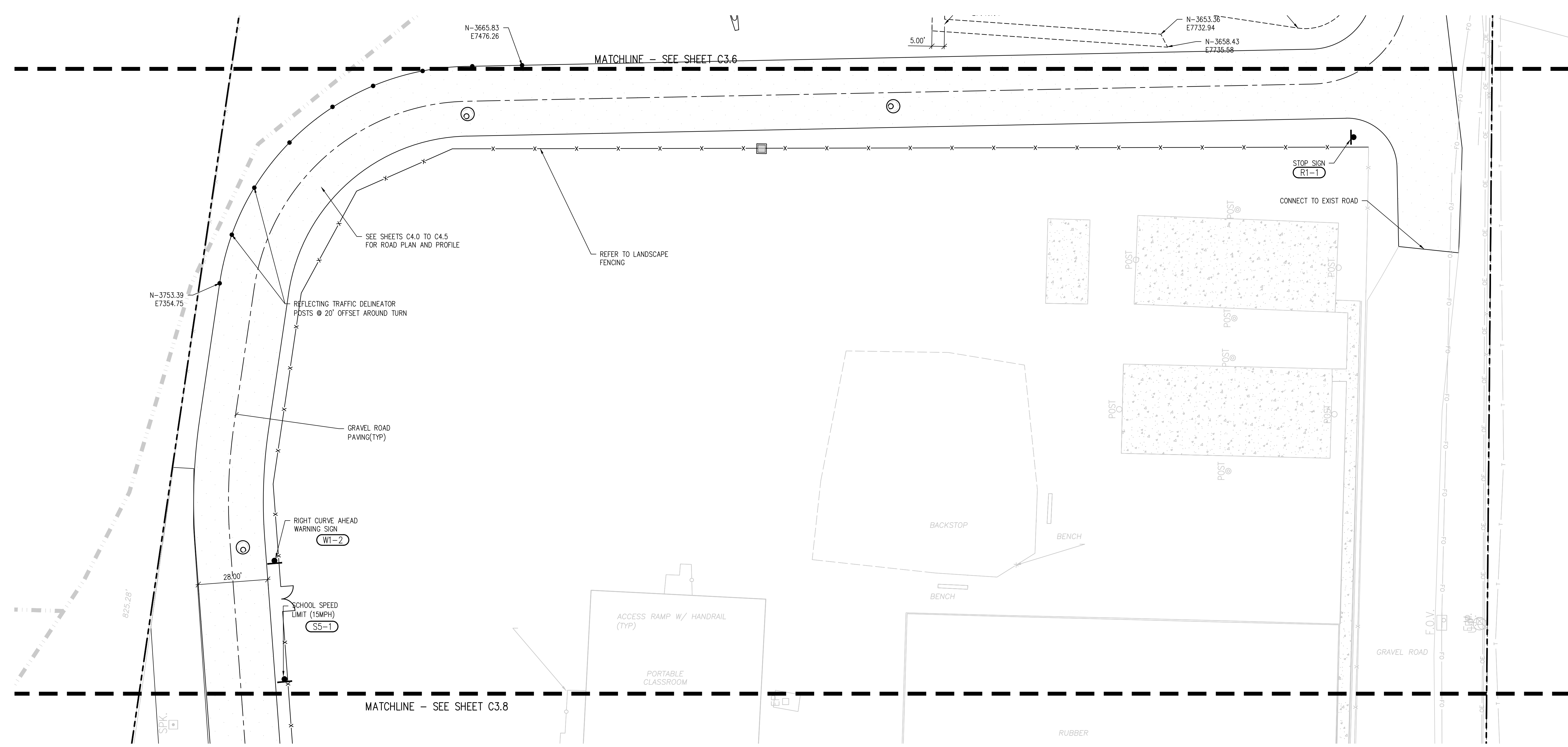
#	DATE	DESCRIPTION

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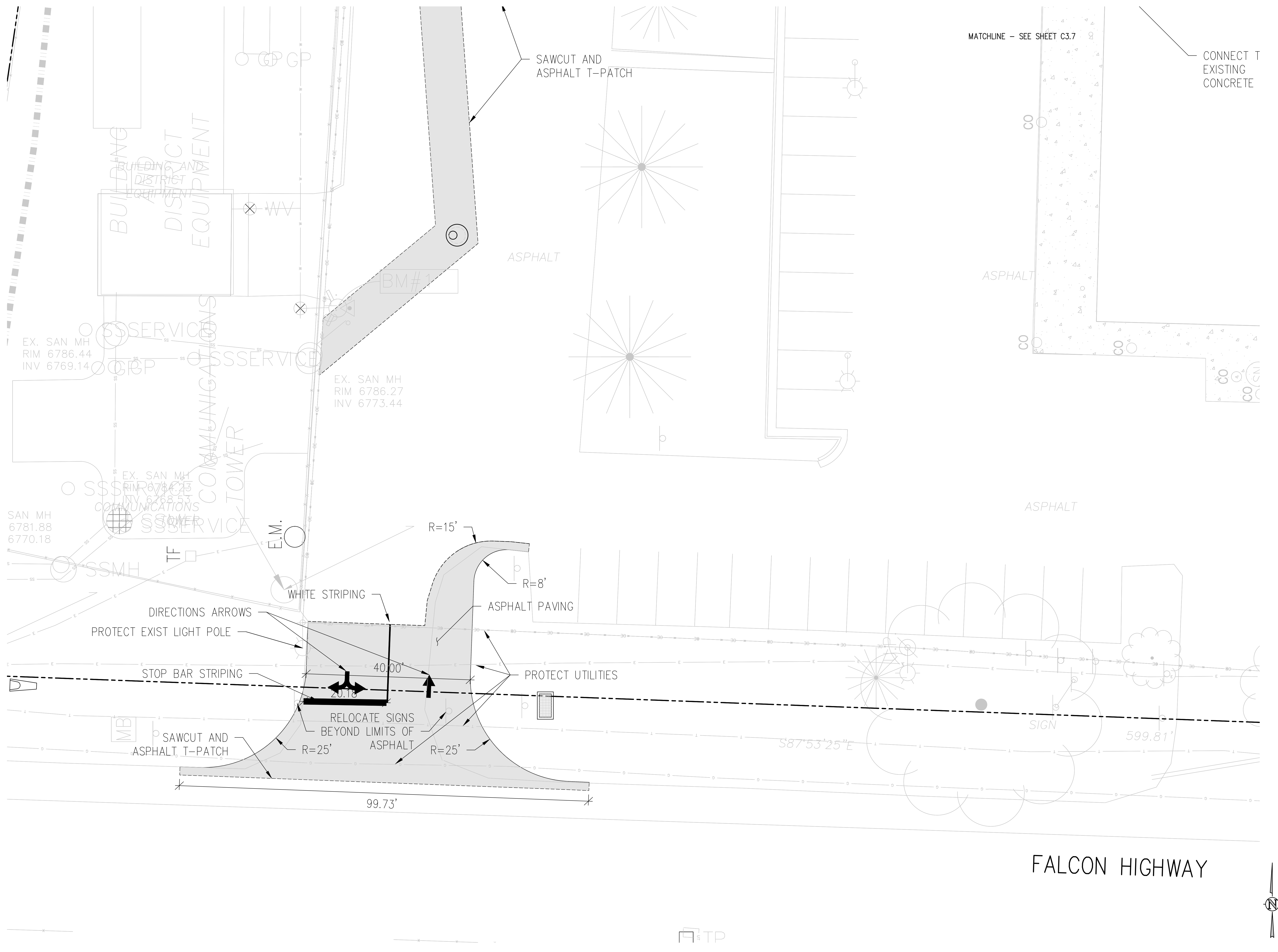
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HORIZONTAL CONTROL PLAN G

RTA PROJECT NUMBER
2021-041.00
DATE
09/20/2022

#	DATE	DESCRIPTION

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C3.7



D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
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 PEYTON, CO 80831



SHEET TITLE
HORIZONTAL CONTROL PLAN H

WTA PROJECT NUMBER
2021-041.00
 DATE
09/20/2022

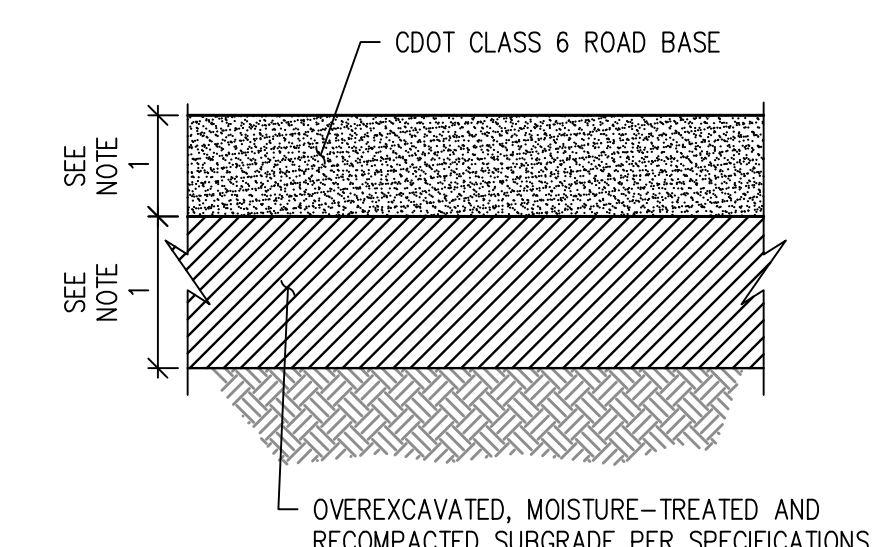
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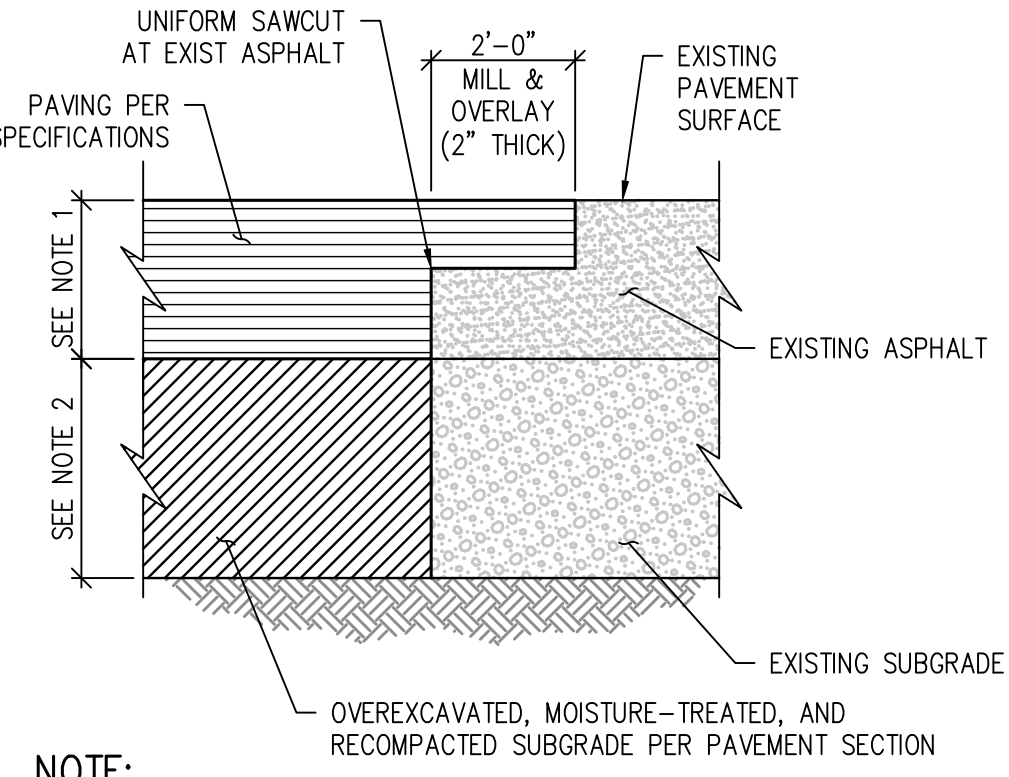


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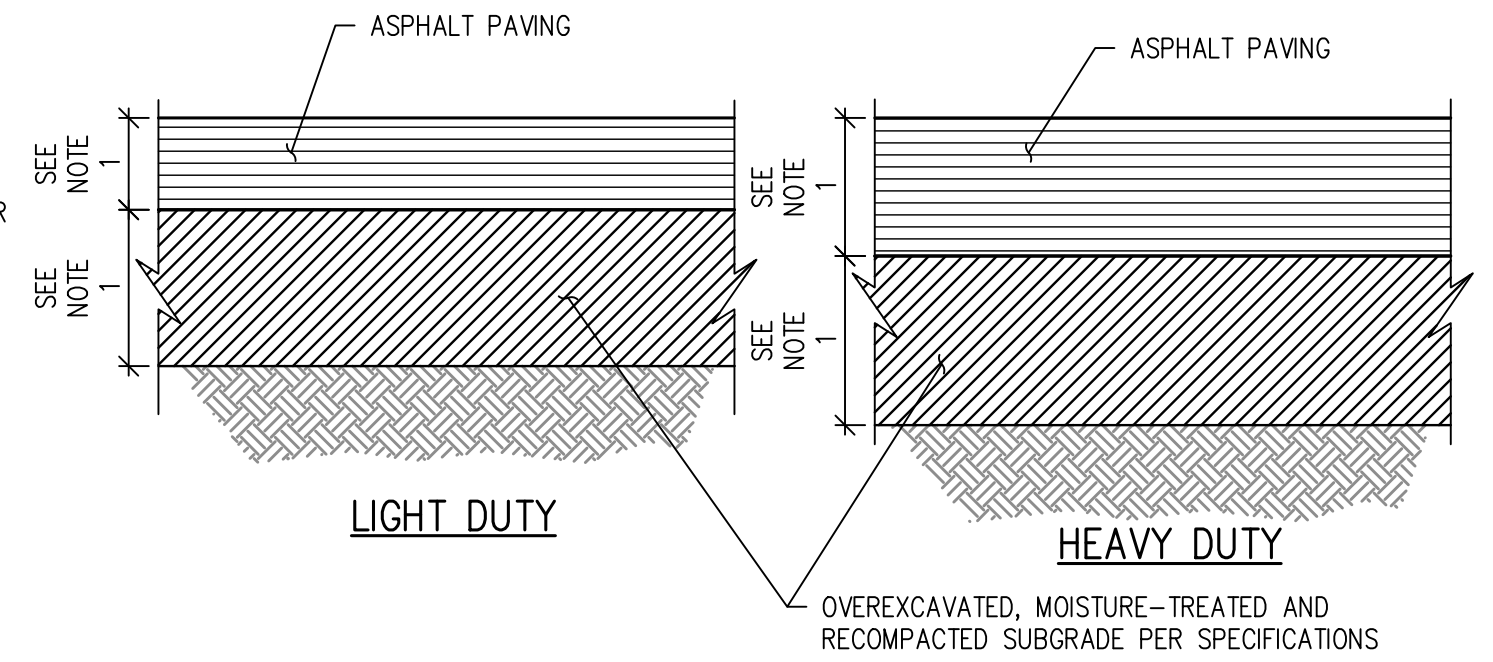
NOTE:
1. REFER TO GEOTECHNICAL REPORT AND RECOMMENDATIONS FOR PAVEMENT SECTIONS INCLUDING PAVEMENTS AND SUBGRADE

GRAVEL SECTION DETAIL (1) C3.1



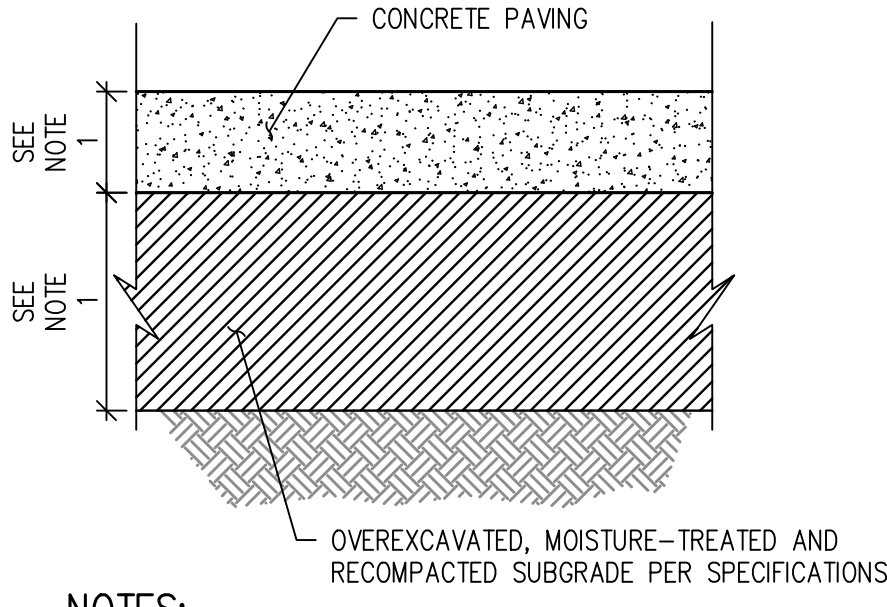
NOTE:
1. MATCH EXISTING DEPTH +1"
2. MATCH EXIST SUBGRADE DEPTH UNLESS OTHERWISE SPECIFIED
3. APPLY TACKIFIER AT SAWCUT AND MILL PRIOR TO PAVING.

ASPHALT "T" PATCH DETAIL (2) C3.2



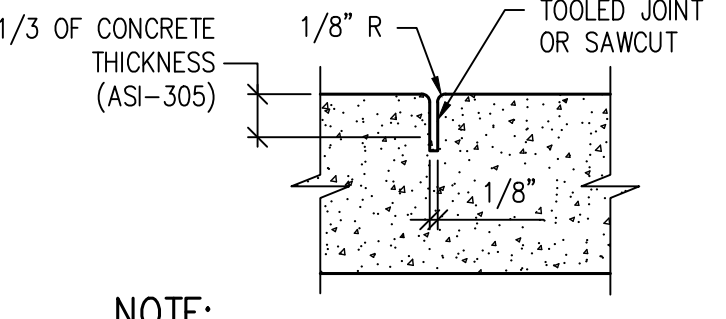
NOTES:
1. REFER TO GEOTECHNICAL REPORT AND RECOMMENDATIONS FOR PAVEMENT SECTIONS INCLUDING PAVEMENTS AND SUBGRADE.
2. USE HEAVY DUTY ASPHALT SECTION FOR SERVICE DRIVES, ACCESS DRIVE LANES, & BUS LOOP
3. USE LIGHT DUTY ASPHALT SECTION FOR CAR PARKING STALLS.

FULL DEPTH ASPHALT PAVEMENT SECTION DETAIL (3) C3.2



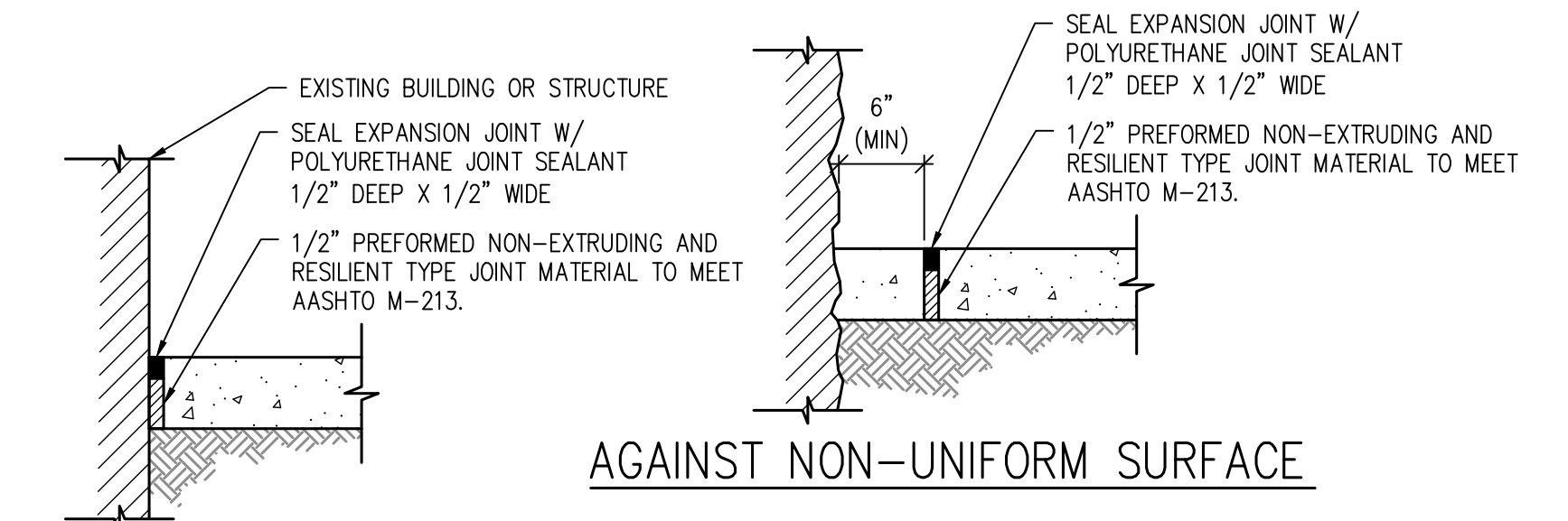
NOTES:
1. REFER TO GEOTECHNICAL REPORT AND RECOMMENDATIONS FOR PAVEMENT SECTIONS INCLUDING PAVEMENTS AND SUBGRADE.
2. SEE SPECIFICATIONS FOR REINFORCEMENT REQUIREMENTS.
3. SEE CONTRACTION JOINT AND EXPANSION JOINT DETAILS.

CONCRETE PAVEMENT SECTION DETAIL (4) C3.2



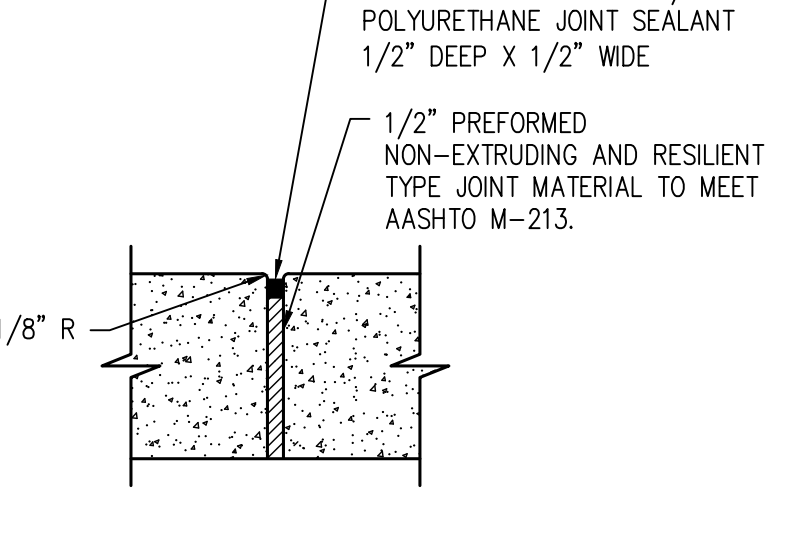
NOTE:
CONTRACTION JOINTS AT 10' INTERVAL.

CONTRACTION JOINT DETAIL (5) C3.2



AGAINST STRUCTURE

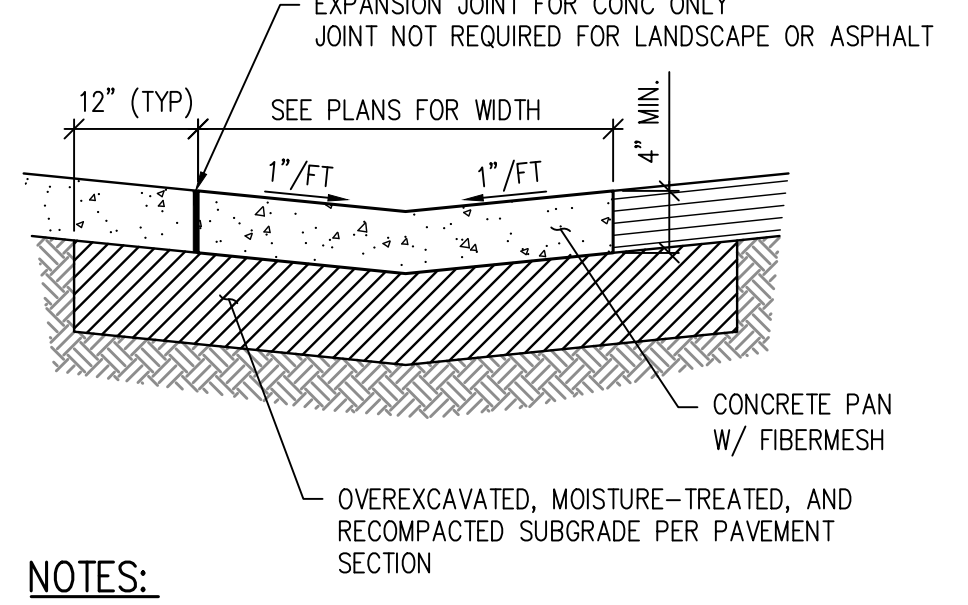
AGAINST NON-UNIFORM SURFACE



SIDEWALK

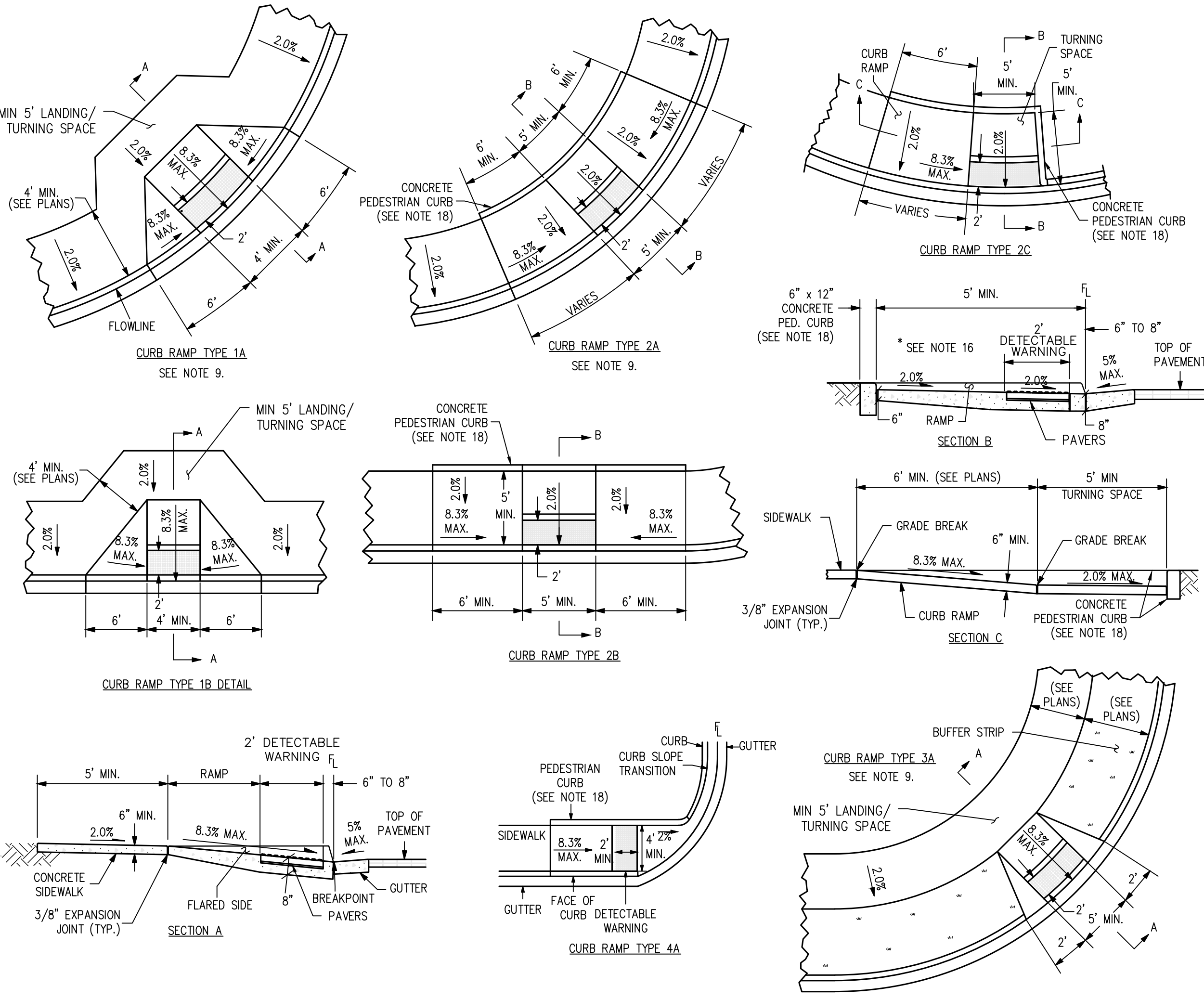
NOTES:
1. EXPANSION JOINTS EVERY 100' MAX AND WHEREVER SIDEWALK ABUTS EXISTING & PROPOSED CONCRETE STRUCTURES (TYP) - SEE PLAN
2. REMOVE PLASTIC FORMING MATERIAL ("ZIP STRIPS") FROM PREFORMED JOINT MATERIAL PRIOR TO PLACING SEALANT

EXPANSION JOINT DETAIL (6) 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.

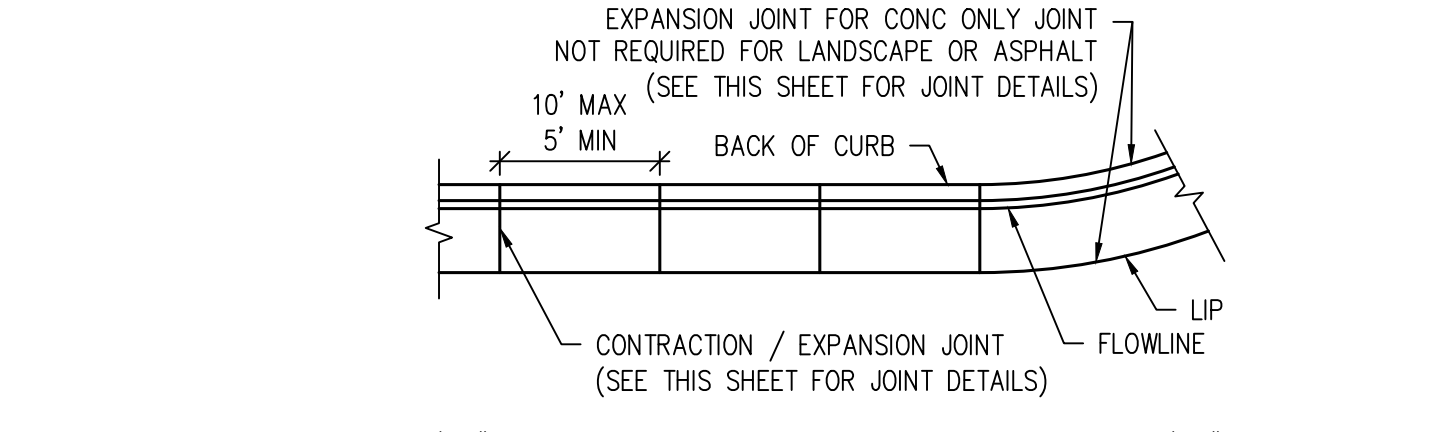
CONCRETE PAN DETAIL (9) C3.1



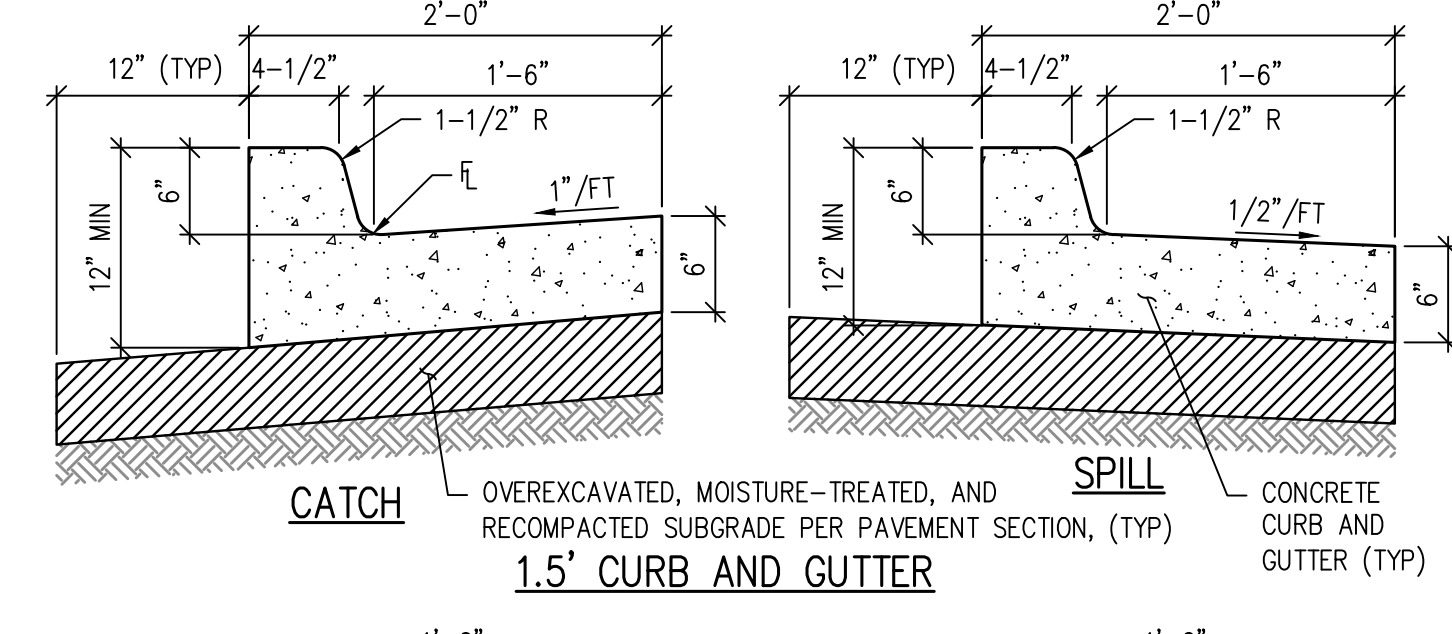
PRIVATE CURB RAMP DETAIL (7) C3.2

NOTES:

- 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.
- 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.
- THE RAMP SLOPE AND DETECTABLE WARNING SURFACE SHALL BE 8.3% OR FLATTER.
- 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.
- THE MINIMUM WIDTH FOR SIDEWALK IS 4 FEET.
- DRAINAGE STRUCTURES, TRAFFIC SIGNAL EQUIPMENT, OR OTHER OBSTRUCTIONS SHALL NOT BE INSTALLED IN THE CURB RAMP OR TURNING SPACE AREAS.
- CONSTRUCTION OF THE CONCRETE PEDESTRIAN CURB SHALL BE INCLUDED IN THE BID PRICE OF THE CONCRETE CURB RAMP.
- 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.
- DIAGONAL CURB RAMP (ON THE APEX) ARE NOT PERMITTED 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.
- 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.
- 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.
- THE CONTRACTOR SHALL VERIFY REMOVAL LIMITS ARE SUFFICIENT TO PROVIDE POSITIVE DRAINAGE, MAINTAIN EXISTING DRAINAGE PATTERNS, AND AVOID PONDING IN THE FINAL CONFIGURATION.
- 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.
- 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%.
- FLARED SIDE SLOPES MAY EXCEED 10% ONLY WHERE THEY ABUT A NON-WALKABLE SURFACE OR THE ADJACENT CIRCULATION PATH IS BLOCKED.
- THE STANDARD TURNING SPACE IS 5 FEET BY 5 FEET.
- CURB RAMP TYPE 1B, 2B, AND 3B MAY BE USED IN MID-BLOCK.
- THE PEDESTRIAN CURB IS REQUIRED UNLESS OTHERWISE SPECIFIED.
- FOR FULL DETAIL INCLUDING BAR LIST AND DIMENSION TABLE, SEE CDOT DETAIL M-604-1 SHEETS 1 THROUGH 10.
- REFER TO PLANS, DETAILS AND SPECIFICATIONS FOR FLATWORK INFORMATION, SUBGRADE PREPARATION, WALK WIDTHS, CONCRETE THICKNESS, ETC.

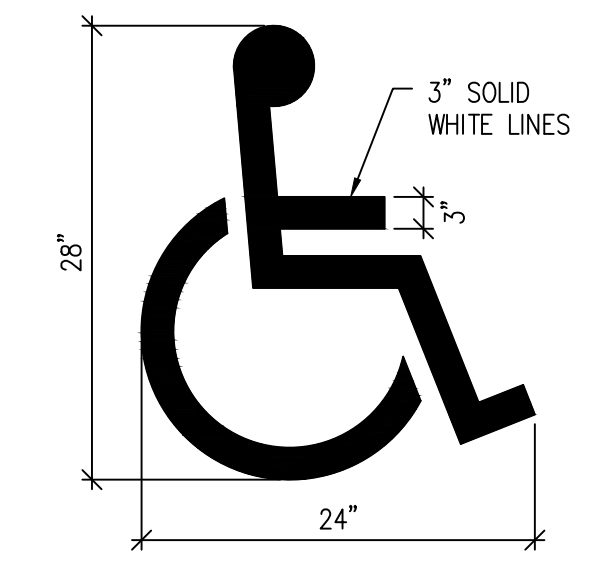
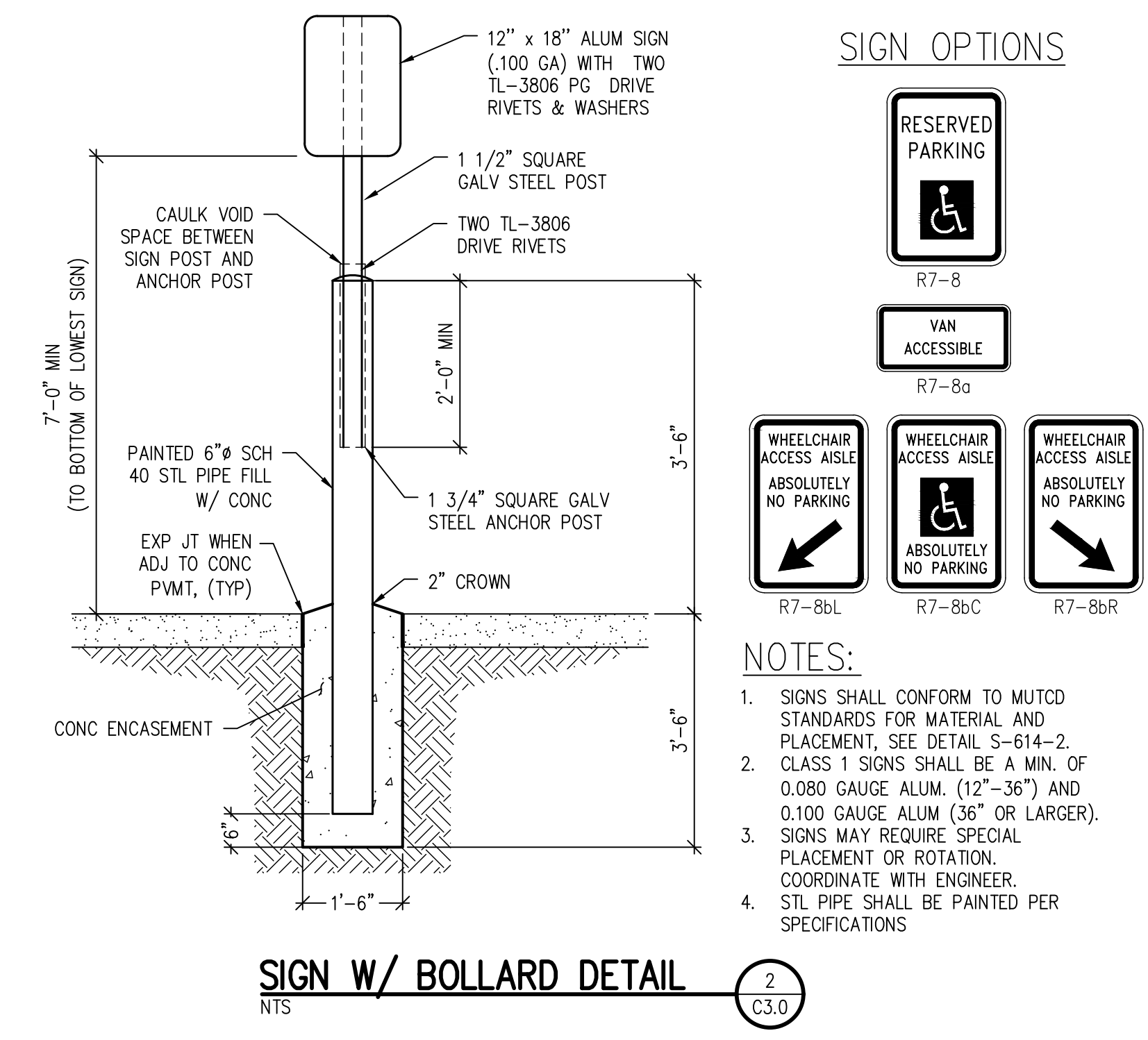
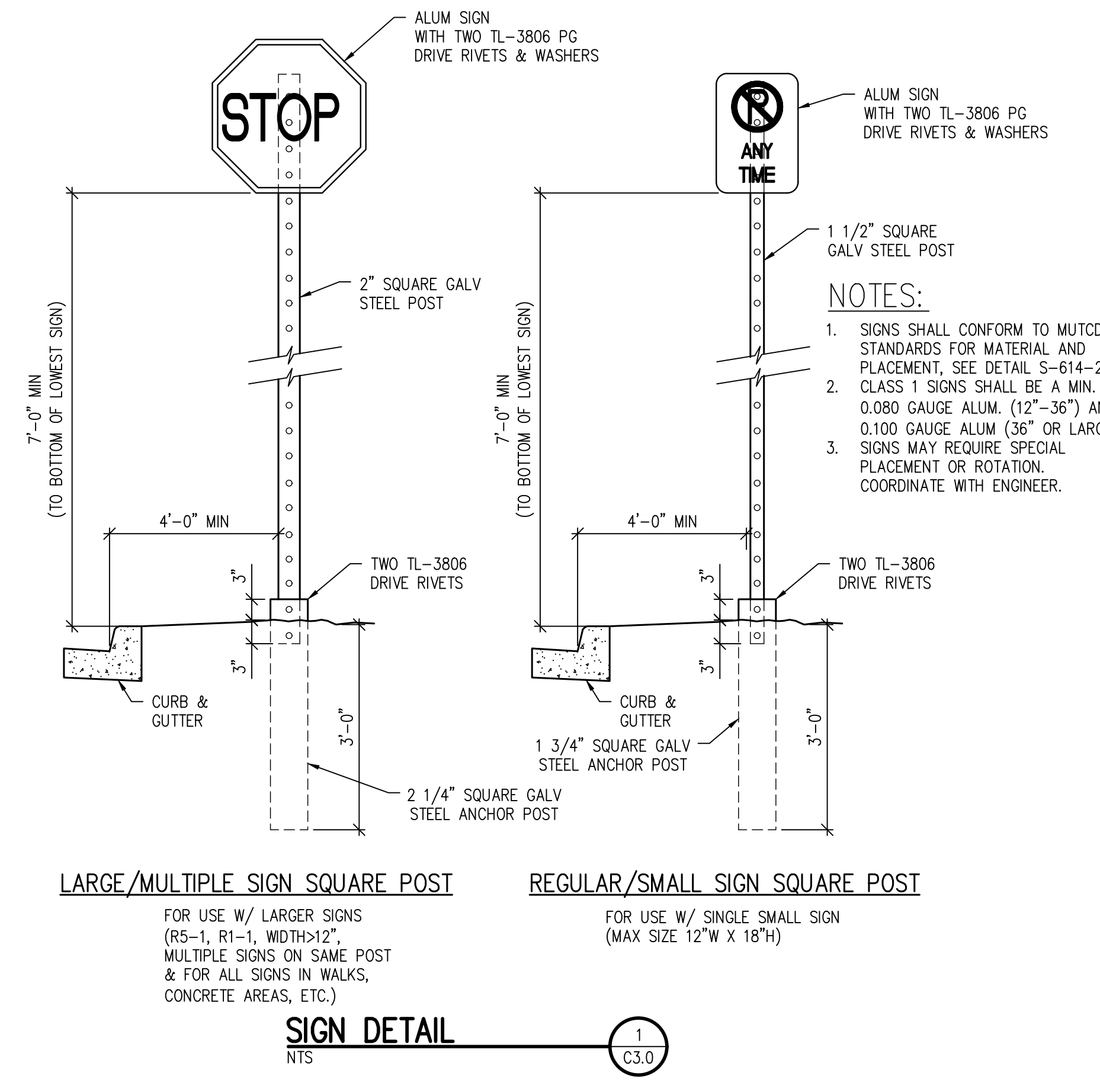


1.5' CURB AND GUTTER



1' CURB AND GUTTER (MEDIAN)

PRIVATE CURB AND GUTTER DETAIL (8) C3.2



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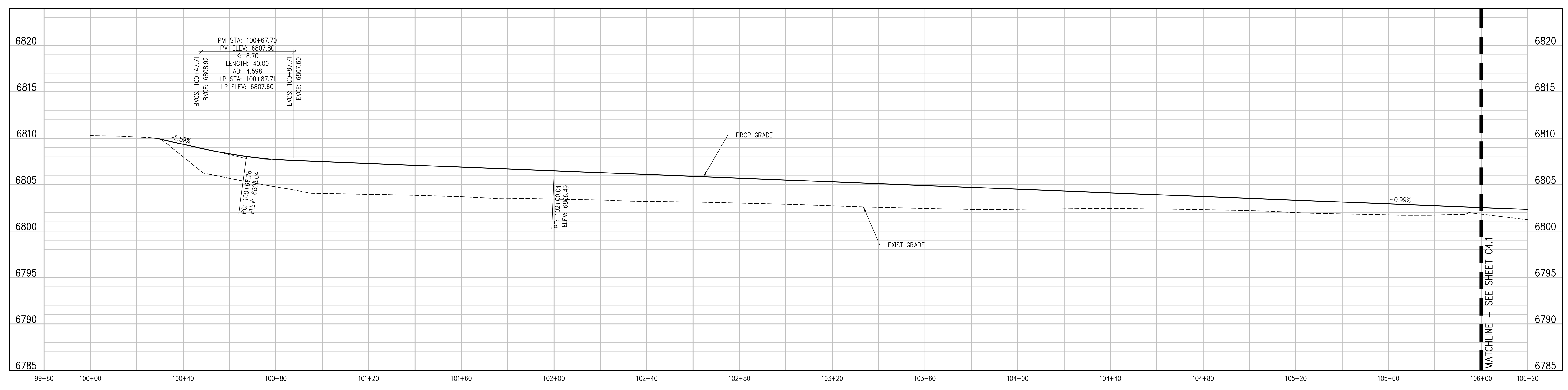
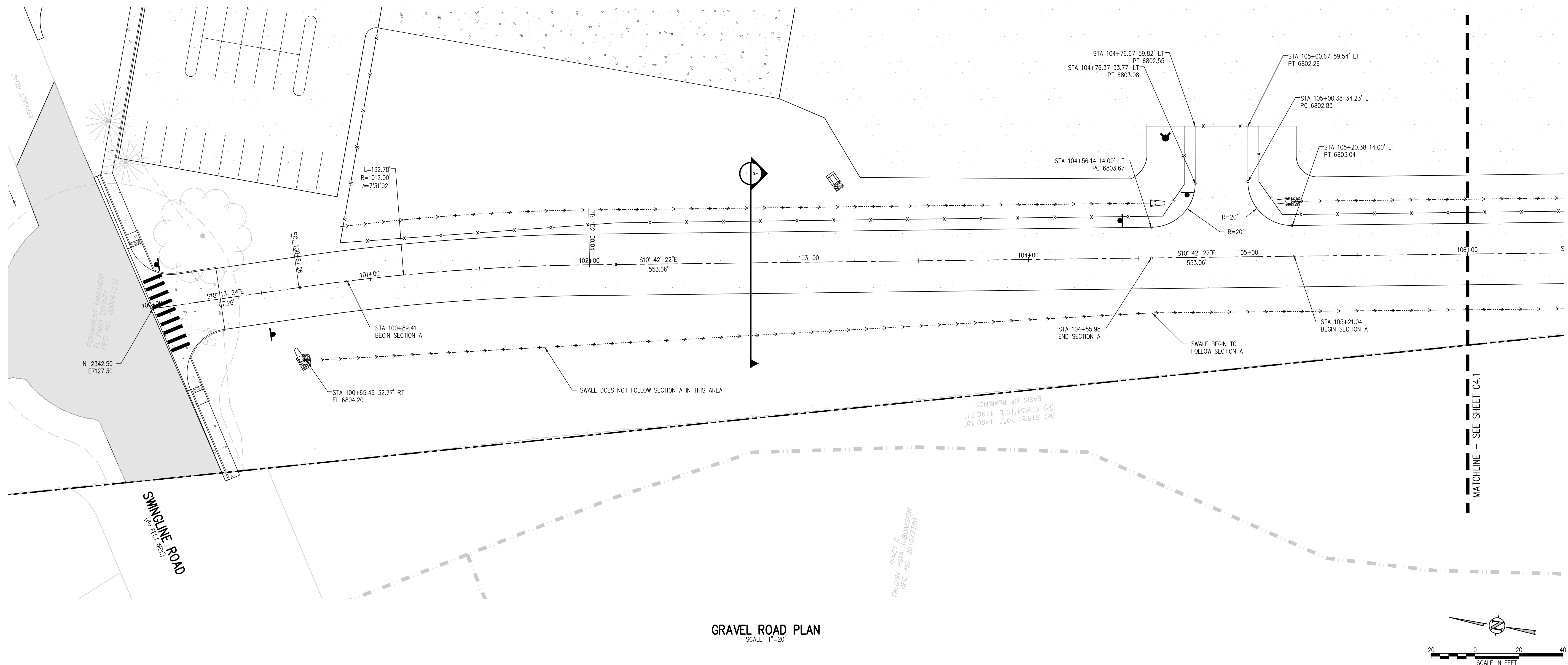
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HORIZONTAL CONTROL DETAILS

RTA PROJECT NUMBER
2021-041.00
DATE
09/20/2022
REVISIONS

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D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
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PEYTON, CO 80831



SHEET TITLE
**GRAVEL ROAD
PLAN AND
PROFILE**

WTA PROJECT NUMBER
2021-041.00
DATE
09/20/2022

REVISIONS

#	DATE	DESCRIPTION

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SHEET TITLE
GRAVEL ROAD PLAN AND PROFILE

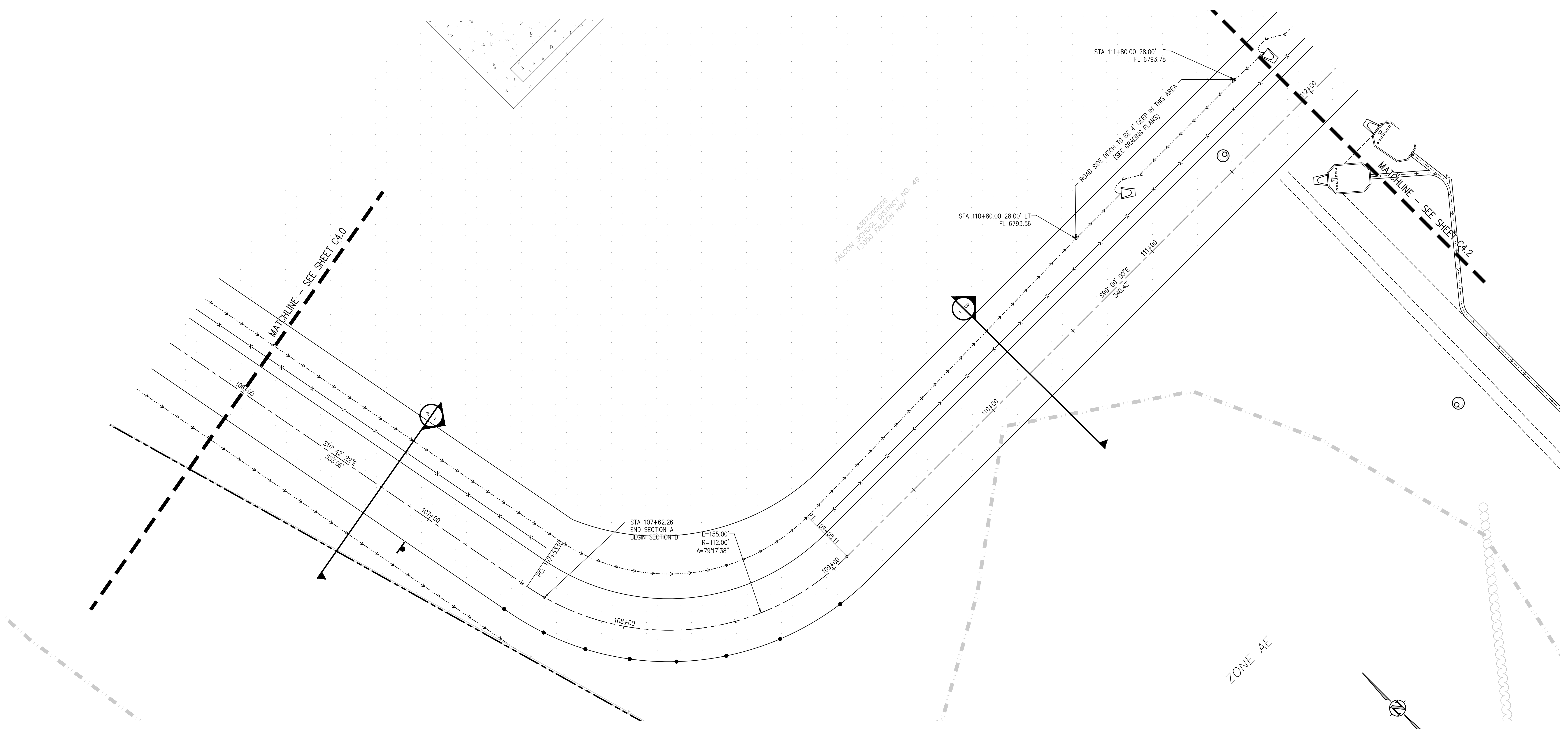
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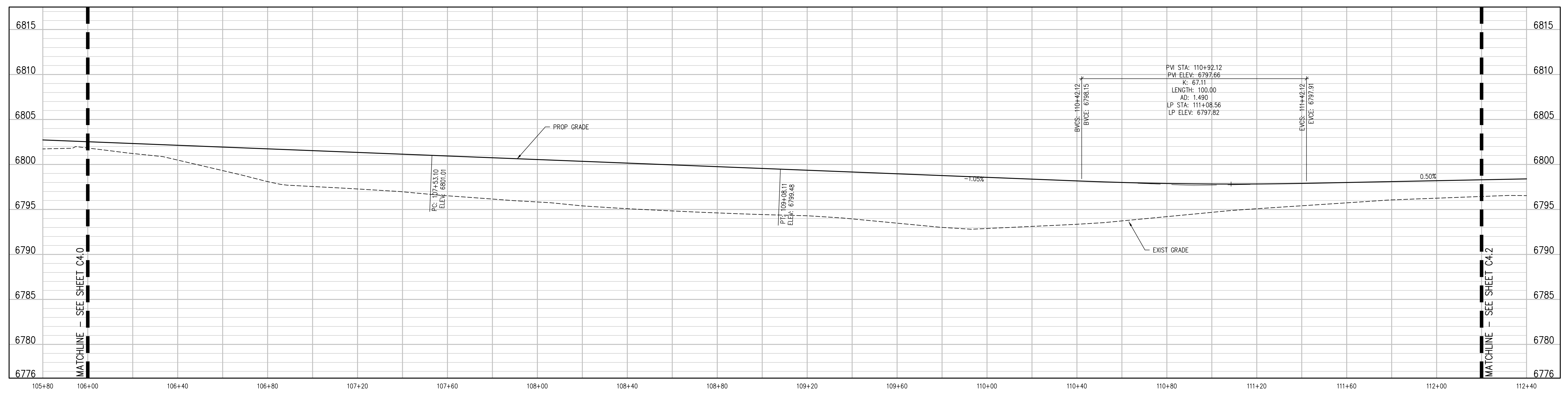
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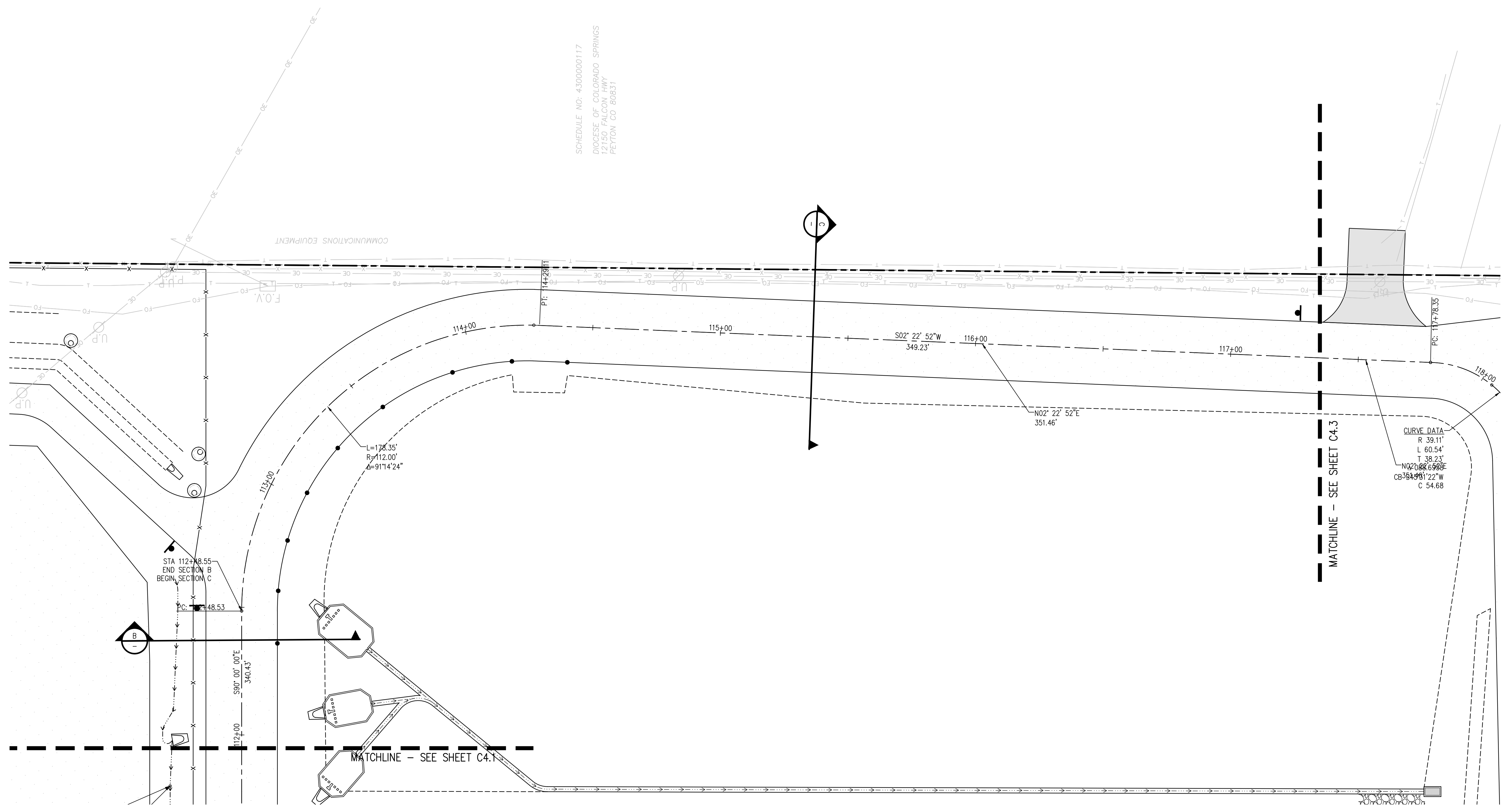
GRAVEL ROAD PLAN
SCALE: 1"=20'



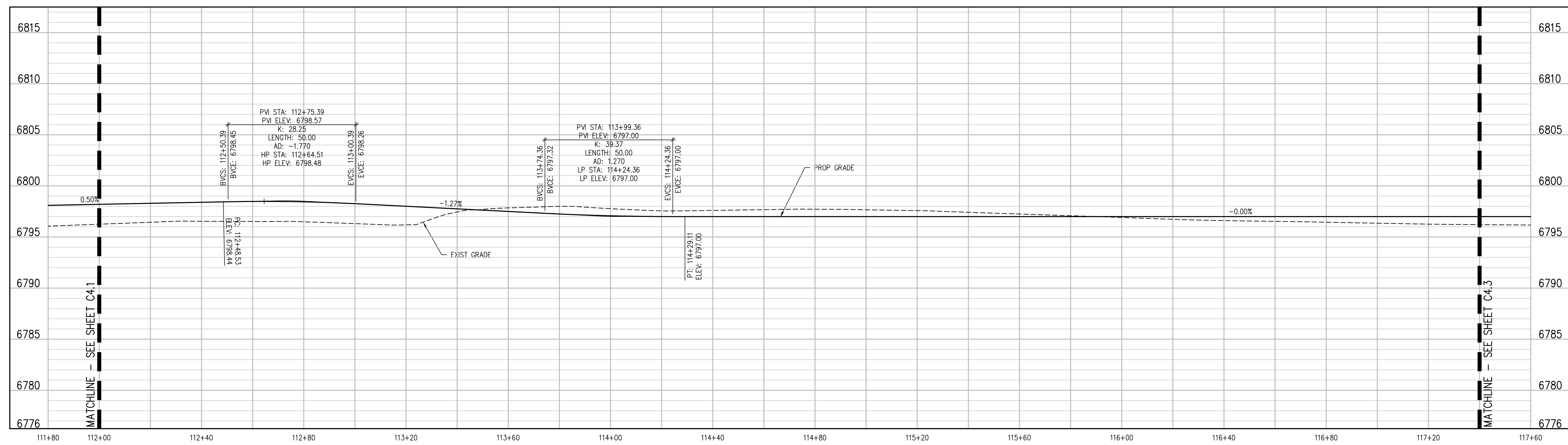
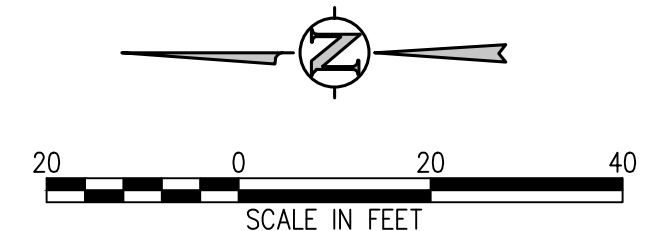
GRAVEL ROAD PROFILE
SCALE: 1"=20' HORIZ
1"=4' VERT

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SCHEDULE NO. 4300000117
 DIKESE OF COLORADO SPRINGS
 12150 FALCON HWY
 PEYTON, CO 80831



GRAVEL ROAD PLAN
 SCALE: 1"=20'



GRAVEL ROAD PROFILE
 SCALE: 1"=20' HORIZ

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SHEET TITLE
**GRAVEL ROAD
 PLAN AND
 PROFILE**

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2021-041.00

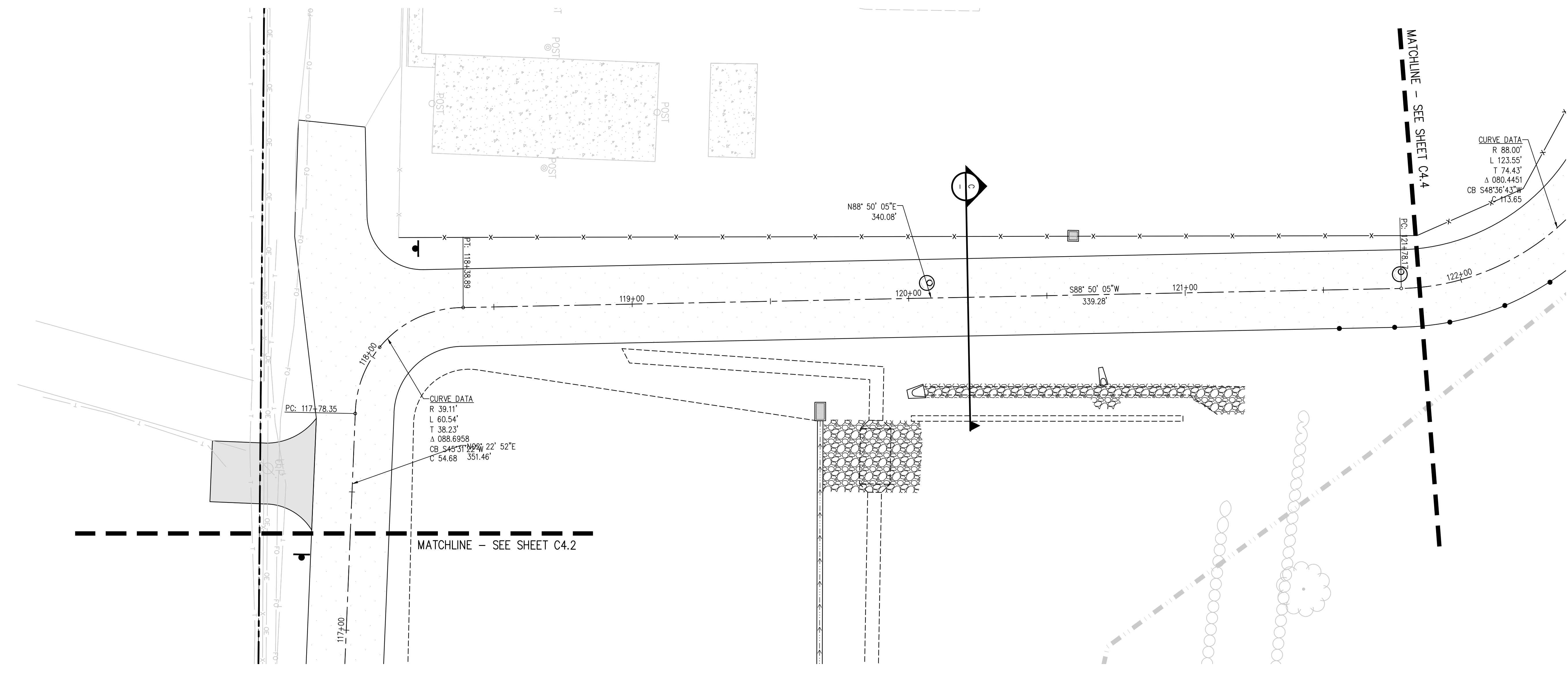
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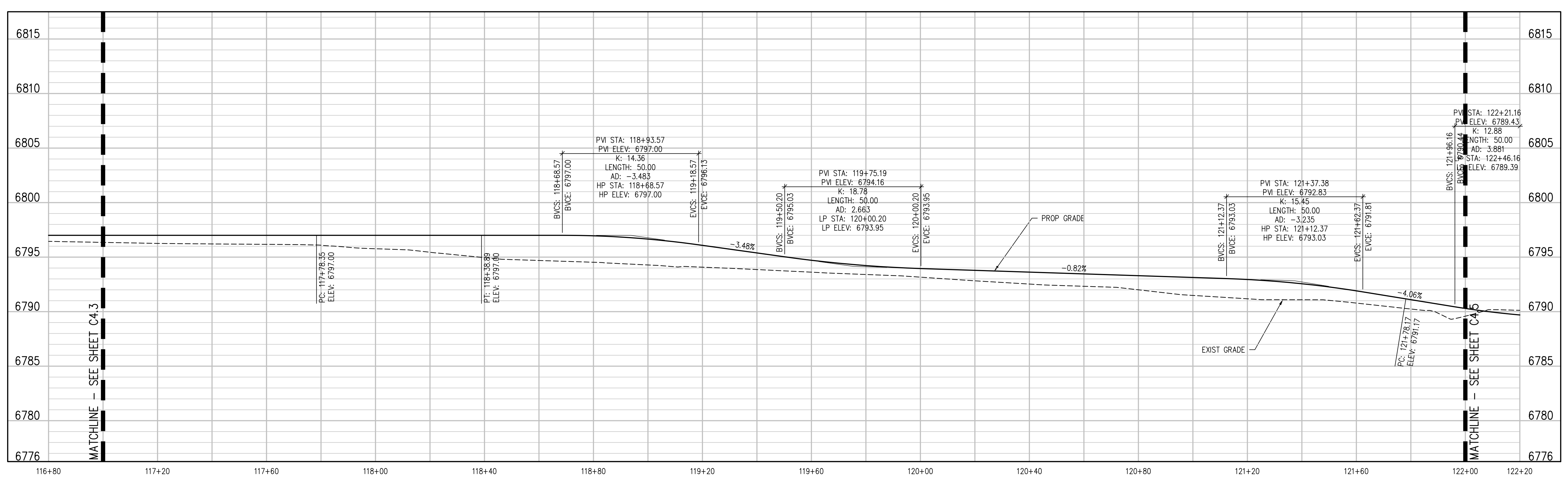
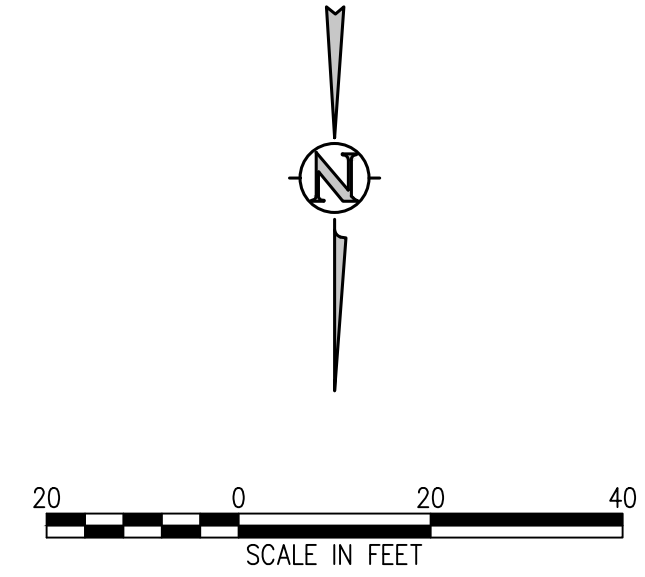
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GRAVEL ROAD PLAN
SCALE: 1"=20'



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**

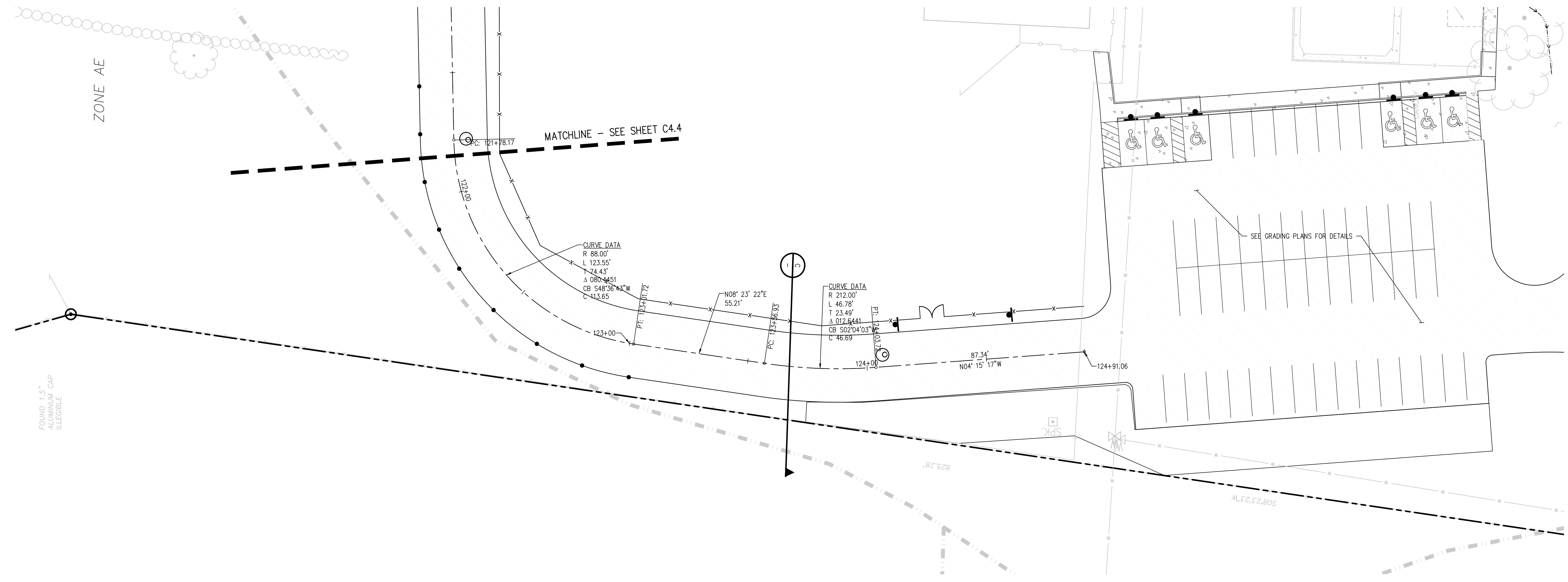
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DATE
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REVISIONS

REVISIONS
DATE DESCRIPTION

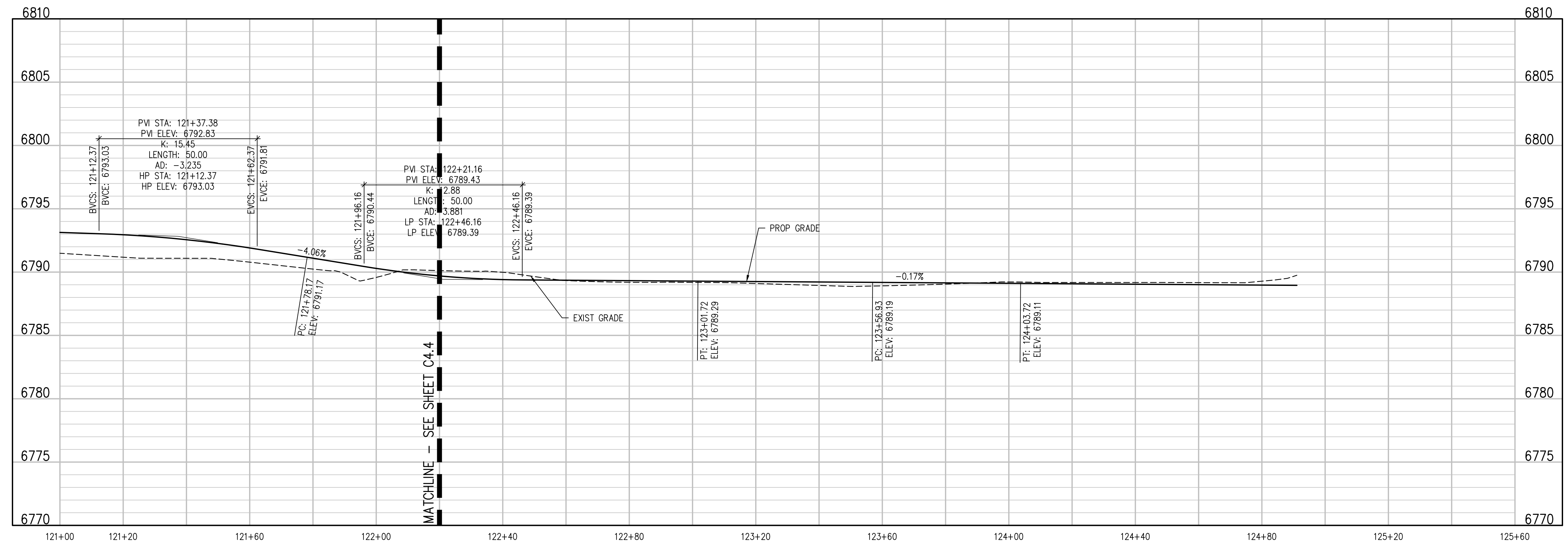
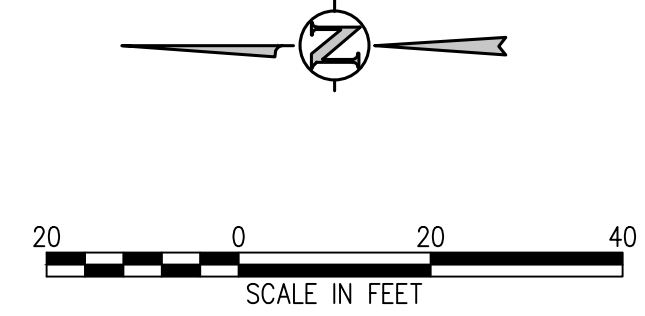
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GRAVEL ROAD PLAN
SCALE: 1"=20'



D49 TRANSPORTATION CENTER
SCHOOL DISTRICT NO 49
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PEYTON, CO 80831



SHEET TITLE
GRAVEL ROAD PLAN AND PROFILE

WTA PROJECT NUMBER
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DATE
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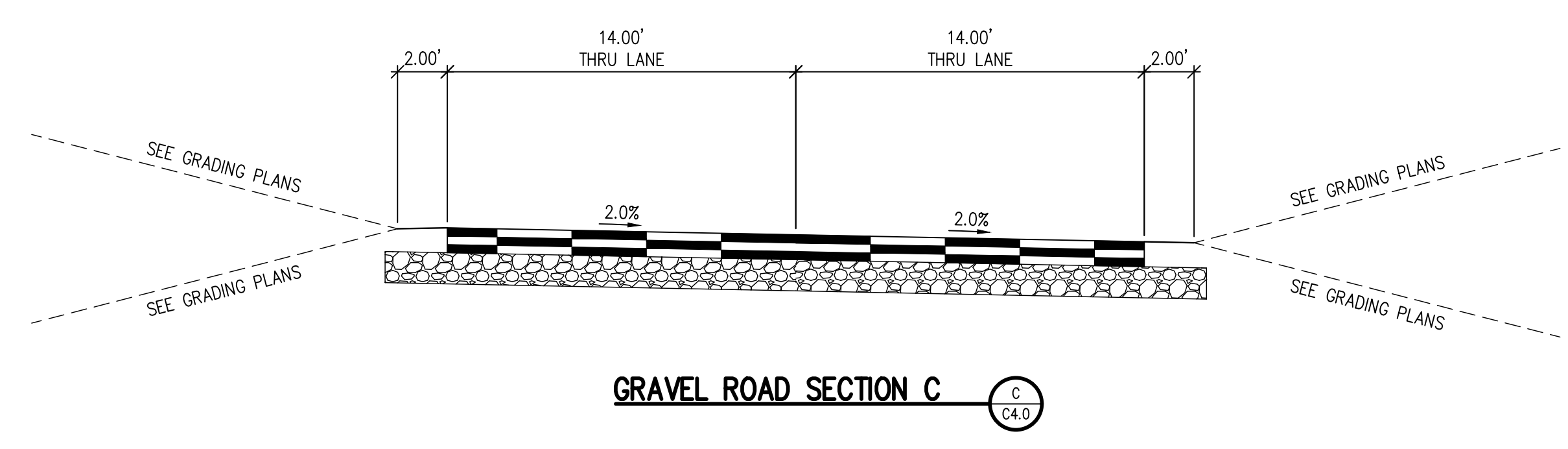
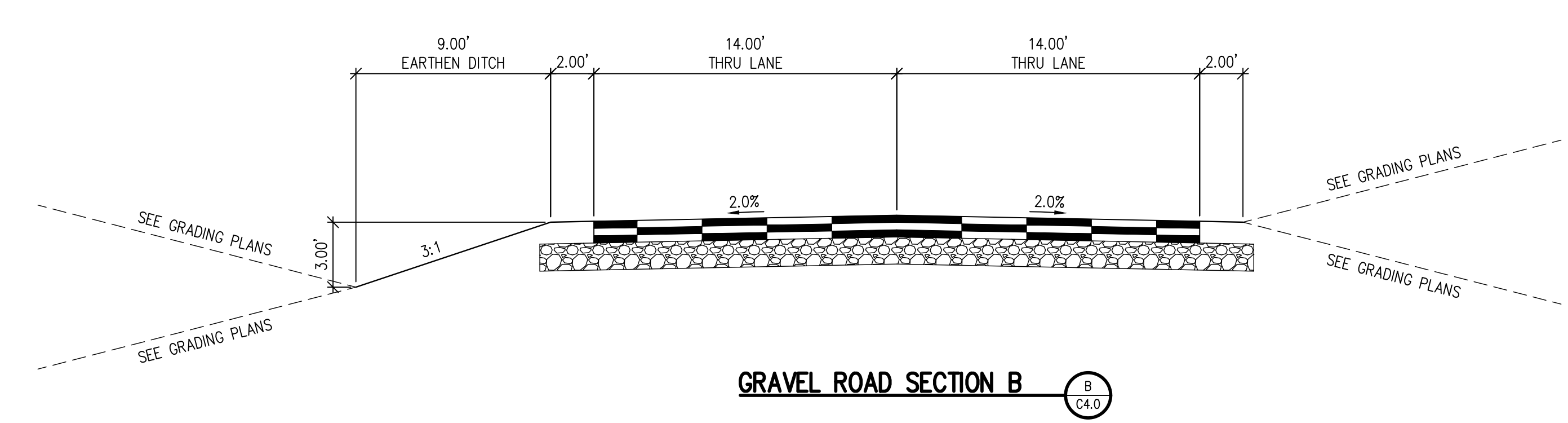
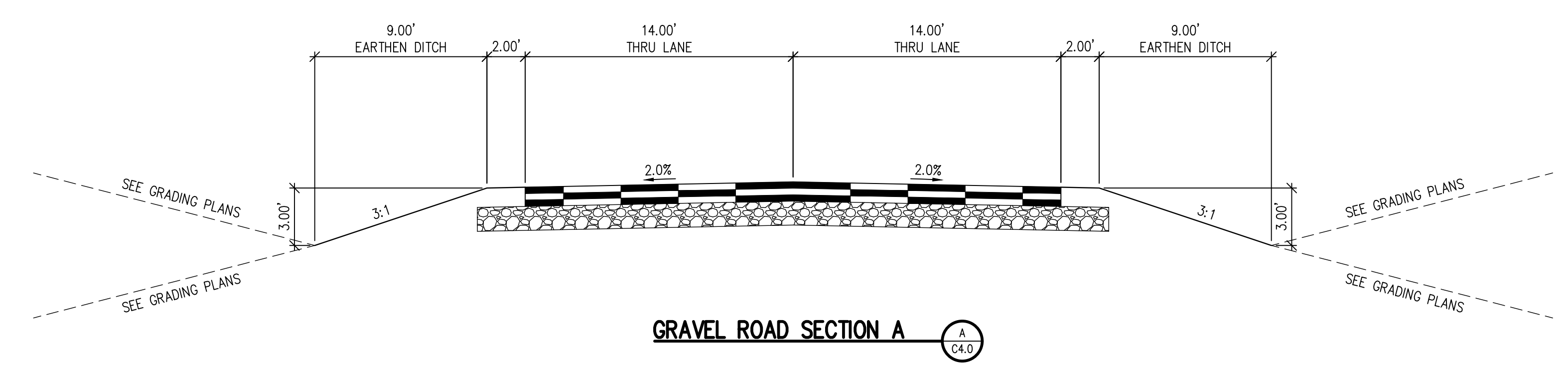
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SHEET TITLE
GRAVEL ROAD SECTIONS

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