PoDI / NHS	
FHWA PROJECT OF DIVISION INTEREST (PoDI)?	■ NO □ YES
NATIONAL HIGHWAY SYSTEM?	■ NO □ YES

Related Projects:
P. E. UNDER PROJECT:
Project Number N/A
Project Code: N/A

R.O.W. Projects:
R.O.W. Project Description
N/A

DEPARTMENT OF TRANSPORTATION
STATE OF COLORADO

HIGHWAY CONSTRUCTION BID PLANS OF PROPOSED
REVITALIZING MAIN STREETS PROJECT NO. C M315-008
HILLSIDE STREET
CITY OF DELTA, COLORADO
CONSTRUCTION PROJECT CODE NO. 24829

COLORADO LICENSED
JASON SCOTT REIMER
54105
11/17/2023
PROFESSIONAL ENGINEER

The scope of my authority, with respect to these plans, is limited to the following discipline(s) and or page numbers as appropriate:

Pages 1-3, 7-11, 18-22, 28, 50, 52-59

COLORADO LICENSED
RYAN RICHARD SUDLOW
52574
11/17/2023
PROFESSIONAL ENGINEER

The scope of my authority, with respect to these plans, is limited to the following discipline(s) and or page numbers as appropriate:

Pages 4-6, 12-17, 23-27, 29-49, 60-98

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160I RIVERFRONT DRIVE, SUITE 204
GRAND JUNCTION, CO 8150I
970-450-7474
KLJ

Sheet Revisions

Date:	Comments	Init.

CITY OF DELTA EST 1882

As Constructed

No Revisions:
Revised:
Void:

Contract Information

Contractor:
Resident Engineer:
Project Engineer:
PROJECT STARTED: / / ACCEPTED: / /
Comments:

Project No./Code

C M315-008
24829
Sheet Number: 00

$PLOT_INFO$

PoDI / NHS	
FHWA PROJECT OF DIVISION INTEREST (PoDI)?	■ NO □ YES
NATIONAL HIGHWAY SYSTEM?	■ NO □ YES

DEPARTMENT OF TRANSPORTATION
STATE OF COLORADO

HIGHWAY CONSTRUCTION BID PLANS OF PROPOSED
REVITALIZING MAIN STREETS PROJECT NO. C M315-008
HILLSIDE STREET
CITY OF DELTA, COLORADO
CONSTRUCTION PROJECT CODE NO. 24829

Related Projects:
P. E. UNDER PROJECT:
Project Number N/A
Project Code: N/A

R.O.W. Projects:
R.O.W. Project Description
N/A

TABULATION OF LENGTH & DESIGN DATA

STATION		FEET ROADWAY
HILLSIDE ST		
BEGIN CONSTRUCTION	STA. 100+63.07	2261.06
END CONSTRUCTION	STA. 123+24.13	
5TH ST		
BEGIN CONSTRUCTION	STA. 10+16.29	77.20
END CONSTRUCTION	STA. 10+93.49	
6TH ST		
BEGIN CONSTRUCTION	STA. 20+16.02	38.97
END CONSTRUCTION	STA. 20+54.99	
LEON ST		
BEGIN CONSTRUCTION	STA. 30+50.00	
HILLSIDE ST INTERSECTION	STA. 31+26.81 STA. 31+66.35	147.57
END CONSTRUCTION	STA. 32+37.11	
HASTINGS ST		
BEGIN CONSTRUCTION	STA. 40+24.75	276.79
END CONSTRUCTION	STA. 43+01.54	
7TH ST		
BEGIN CONSTRUCTION	STA. 123+56.00	97.79
END CONSTRUCTION	STA. 124+53.79	
TOTAL		2899.38
SUMMARY OF PROJECT LENGTH		FEET
ROADWAY (NET LENGTH)		2899.38
PROJECT GROSS LENGTH		2899.38

DESIGN DATA	HILLSIDE
MINIMUM RADIUS OF CURVE	650 FT
MAXIMUM GRADE	8.0%
MINIMUM S.S.D. HORIZONTAL	305 FT
MINIMUM S.S.D. VERTICAL	347 FT
MAXIMUM DESIGN SPEED	40 MPH
POSTED SPEED	30 MPH
2022 DESIGN TRAFFIC	3500
2042 DESIGN TRAFFIC	3500
CLEAR ZONE DISTANCE (TANGENT)	12 FT (MIN.)

PROJECT LOCATION MAP

500

SCALE IN FEET

SHEET NO.	INDEX OF SHEETS
0 - 0	COVER SHEET
1 - 1	TITLE SHEET
2 - 2	PLAN SHEET LAYOUT
3 - 3	STANDARD PLANS LIST
4 - 6	TYPICAL SECTIONS
7 - 8	GENERAL NOTES
9 - 9	SUMMARY OF APPROXIMATE QUANTITIES
10 - 11	TABULATION SHEETS
12 - 12	ROADWAY DETAILS
13 - 17	GEOMETRIC CONTROL
18 - 22	REMOVAL PLANS
23 - 27	INTERSECTION ALIGNMENT PLANS
28 - 28	TRAFFIC CONTROL DETOUR PLAN
29 - 33	ROADWAY PLANS
34 - 39	ROADWAY PROFILES
40 - 45	GRADING PLANS
46 - 49	SUPERELEVATION PLANS
50 - 50	SURVEY TABULATION SHEET
51 - 51	LAND SURVEY CONTROL DIAGRAM
52 - 52	ENGINEERING GEOLOGY
53 - 56	DRAINAGE PLANS
57 - 59	DRAINAGE PROFILES
60 - 60	STRUCTURE CROSS SECTIONS
61 - 61	LANDSCAPING WALL GENERAL NOTES & SUMMARY OF QUANTITIES
62 - 62	LANDSCAPING WALL GENERAL LAYOUT
63 - 63	LANDSCAPING WALL DETAILS
64 - 68	LANDSCAPING PLANS
69 - 74	STORM WATER MANAGEMENT PLAN NARRATIVE
75 - 79	STORM WATER MANAGEMENT PLANS
80 - 81	SIGNING & STRIPING TABULATIONS
82 - 86	SIGNING & STRIPING PLANS
87 - 98	CROSS SECTIONS

CONTACT 811 BEFORE YOU DIG — 811 — SAFE DIGGING PARTNER

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Sheet Revisions

Date:	Comments	Init.

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No Revisions:	
Revised:	
Void:	

Contract Information

Contractor:
Resident Engineer:
Project Engineer:
PROJECT STARTED: / / ACCEPTED: / /
Comments:

Project No./Code	
C M315-008	
24829	
Sheet Number:	01

$PLOT_INFO$

SHEET LOCATION											
PLAN SHEET TITLE	PLAN SHEET NUMBER										
	1	2	3	4	5	AA	BB	CC	DD	EE	FF
GEOMETRIC CONTROL	13	14	15	16	17						
REMOVAL PLANS	18	19	20	21	22						
INTERSECTION ALIGNMENT PLANS							23	24	25	26	27
ROADWAY PLANS	29	30	31	32	33						
GRADING PLANS						40	41	42	43	44	45
DRAINAGE PLANS	48	49	50	51							
LANDSCAPING PLANS	59	60	61	62	63						
STORM WATER MANAGEMENT PLANS	71	72	73	74	75						
SIGNING & STRIPING PLANS	78	79	80	81	82						

Revision Dates (Preliminary Stage Only)						
4/90	3/99	11/99	4/02	3/07	10/13	12/21

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By						
Checked By						

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Unit Information Unit Leader RRS

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Date:	Comments	Init.

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PLAN SHEET LAYOUT

Designer: RRS
Detailer: MDG
Sheet Subset: GEN
Structure Numbers:
Subset Sheets: 1 of 1

Project No./Code
C M315-008
24829
Sheet Number 02

$PLOT_INFO$

PLAN NUMBER	M STANDARD TITLE	PAGE NUMBER
■ M-100-1	STANDARD SYMBOLS (3 SHEETS)	1-3
■ M-100-2	ACRONYMS AND ABBREVIATIONS (4 SHEETS)	4-7
□ M-203-1	APPROACH ROADS	8
□ M-203-2	DITCH TYPES	9
□ M-203-11	SUPERELEVATION CROWNED AND DIVIDED HIGHWAYS (3 SHEETS)	10-12
□ M-203-12	SUPERELEVATION STREETS (2 SHEETS)	13-14
■ M-206-1	EXCAVATION AND BACKFILL FOR STRUCTURES (2 SHEETS)	15-16
□ M-206-2	EXCAVATION AND BACKFILL FOR BRIDGES (2 SHEETS)	17-18
■ M-208-1	TEMPORARY EROSION CONTROL (11 SHEETS)	19-29
□ M-210-1	MAILBOX SUPPORTS (2 SHEETS)	30-31
□ M-214-1	NURSERY STOCK DETAILS	32
■ M-216-1	SOIL RETENTION COVERING (2 SHEETS)	33-34
■ M-412-1	CONCRETE PAVEMENT JOINTS (9 SHEETS) ~~35-39~~ ***(REVISED ON JANUARY 31, 2022)***	
□ M-412-2	CONCRETE PAVEMENT CRACK REPAIR (6 SHEETS) ***(REVISED ON SEPTEMBER 6, 2022)***	
□ M-510-1	STRUCTURAL PLATE PIPE H-20 LOADING	40
□ M-601-1	SINGLE CONCRETE BOX CULVERT (CAST-IN-PLACE) (2 SHEETS)	41-42
□ M-601-2	DOUBLE CONCRETE BOX CULVERT (CAST-IN-PLACE) (2 SHEETS)	43-44
□ M-601-3	TRIPLE CONCRETE BOX CULVERT (CAST-IN-PLACE) (2 SHEETS)	45-46
□ M-601-10	HEADWALL FOR PIPES	47
□ M-601-11	TYPE "S" SADDLE HEADWALLS FOR PIPE	48
□ M-601-12	HEADWALLS AND PIPE OUTLET PAVING	49
□ M-601-20	WINGWALLS FOR PIPE OR BOX CULVERTS (2 SHEETS)	50-51
□ M-603-1	METAL PIPE (4 SHEETS)	52-55
■ M-603-2	REINFORCED CONCRETE PIPE	56
□ M-603-3	PRECAST CONCRETE BOX CULVERT ~~57~~ ***(REVISED ON SEPTEMBER 10, 2020)***	
□ M-603-4	CORRUGATED POLYETHYLENE PIPE (AASHTO M294) AND CORRUGATED POLYPROPYLENE PIPE (AASHTO M330) (2 sheets) ~~58~~ ***(REVISED ON MARCH 7, 2022)***	
□ M-603-5	POLYVINYL CHLORIDE (PVC) PIPE (AASHTO M304)	59
□ M-603-6	STEEL REINFORCED POLYETHYLENE RIBBED PIPE (AASHTO MP 20)	60
■ M-603-10	CONCRETE AND METAL END SECTIONS	61
□ M-603-12	TRAVERSABLE END SECTIONS AND SAFETY GRATES (3 SHEETS)	62-64
□ M-604-10	INLET, TYPE C	65
□ M-604-11	INLET, TYPE D	66
■ M-604-12	CURB INLET TYPE R (2 SHEETS)	67-68
□ M-604-13	CONCRETE INLET TYPE 13	69
■ M-604-20	MANHOLES (3 SHEETS)	70-72
□ M-604-25	VANE GRATE INLET (5 SHEETS) ***(REVISED ON FEBRUARY 3, 2023)***	73-77
■ M-605-1	SUBSURFACE DRAINS	78
□ M-606-1	MIDWEST GUARDRAIL SYSTEM TYPE 3 W-BEAM 31 INCHES (19 SHEETS) ~~79-97~~ ***(REVISED ON MARCH 5, 2020)***	
□ M-606-13	GUARDRAIL TYPE 7 F-SHAPE BARRIER (4 SHEETS)	98-101
□ M-606-14	PRECAST TYPE 7 CONCRETE BARRIER (4 SHEETS) ~~102-104~~ ***(REVISED ON FEBRUARY 9, 2023)***	
□ M-606-15	GUARDRAIL TYPE 9 SINGLE SLOPE BARRIER (11 SHEETS) ~~105-115~~ ***(REVISED ON FEBRUARY 17, 2023)***	
□ M-607-1	WIRE FENCES AND GATES (3 SHEETS)	116-118
□ M-607-2	CHAIN LINK FENCE (3 SHEETS)	119-121
□ M-607-3	BARRIER FENCE	122
□ M-607-4	DEER FENCE, GATES, AND GAME RAMPS (7 SHEETS) ~~123-127~~ ***(REVISED ON JULY 13, 2020)***	
□ M-607-10	PICKET SNOW FENCE	128
□ M-607-15	ROAD CLOSURE GATE (9 SHEETS)	129-137
■ M-608-1	CURB RAMPS (10 SHEETS)	138-147
■ M-609-1	CURBS, GUTTERS, AND SIDEWALKS (4 SHEETS)	148-151
□ M-611-1	CATTLE GUARD (2 SHEETS)	152-153
□ M-611-2	DEER GUARD (2 SHEETS)	154-155
□ M-614-1	RUMBLE STRIPS (3 SHEETS)	156-158
□ M-614-2	SAND BARREL ARRAYS (2 SHEETS)	159-160
□ M-615-1	EMBANKMENT PROTECTOR TYPE 3	161
□ M-615-2	EMBANKMENT PROTECTOR TYPE 5	162
□ M-616-1	INVERTED SIPHON	163
□ M-620-1	FIELD LABORATORY CLASS 1	164
□ M-620-2	FIELD LABORATORY CLASS 2 (2 SHEETS)	165-166
□ M-620-11	FIELD OFFICE CLASS 1	167
□ M-620-12	FIELD OFFICE CLASS 2	168
□ M-629-1	SURVEY MONUMENTS (2 SHEETS)	169-170

PLAN NUMBER	S STANDARD TITLE	PAGE NUMBER
□ S-612-1	DELINEATOR INSTALLATIONS (8 SHEETS) ***(REVISED ON JANUARY 19, 2023)***	171-178
□ S-613-1	ROADWAY LIGHTING (6 SHEETS) ~~179-186~~ ***(REVISED ON SEPTEMBER 30, 2020)***	
□ S-613-2	ALTERNATIVE ROADWAY LIGHTING (4 SHEETS) ***(NEW, ISSUED ON SEPTEMBER 30, 2020)***	
□ S-613-4	TRAFFIC SIGNAL ONE-LINE DIAGRAMS (6 SHEETS) ***(NEW, ISSUED ON JUNE 15, 2023)***	
■ S-614-1	GROUND SIGN PLACEMENT (2 SHEETS)	187-188
■ S-614-2	CLASS I SIGNS	189
□ S-614-3	CLASS II SIGNS	190
□ S-614-4	CLASS III SIGNS (3 SHEETS)	191-193
□ S-614-5	BREAK-AWAY SIGN SUPPORT DETAILS FOR CLASS III SIGNS (2 SHEETS)	194-195
□ S-614-6	CONCRETE FOOTINGS AND SIGN ISLANDS FOR CLASS III SIGNS (2 SHEETS)	196-197
■ S-614-8	TUBULAR STEEL SIGN SUPPORT DETAILS (7 SHEETS) ***(REVISED ON DECEMBER 29, 2020)***	198-204
~~S-614-9~~	~~PEDESTRIAN PUSH BUTTON POST ASSEMBLY (2 SHEETS)~~ ***(SUPERSEDED ON JANUARY 23, 2020 BY S-614-45)***	~~205-206~~
□ S-614-10	MARKER ASSEMBLY INSTALLATIONS	207
□ S-614-11	MILEPOST SIGN DETAIL FOR HIGH SNOW AREAS	208
□ S-614-12	STRUCTURE NUMBER INSTALLATION (2 SHEETS)	209-210
■ S-614-14	FLASHING BEACON AND SIGN INSTALLATIONS (4 SHEETS)	211-214
□ S-614-20	TYPICAL POLE MOUNT SIGN INSTALLATIONS	215
□ S-614-21	CONCRETE BARRIER SIGN POST INSTALLATIONS (2 SHEETS) ***(REVISED ON SEPTEMBER 21, 2020)***	216-217
□ S-614-22	TYPICAL MULTI-SIGN INSTALLATIONS	218
□ S-614-40	TYPICAL TRAFFIC SIGNAL 30'-75' DOUBLE MAST ARMS 65'-75' SINGLE MAST ARMS (5 SHEETS) ***(REVISED ON JULY 22, 2022)***	219-223
□ S-614-40A	ALTERNATIVE TRAFFIC SIGNAL 25'-55' SINGLE MAST ARMS (4 SHEETS) ***(REVISED ON JULY 22, 2022)***	224-227
□ S-614-41	TEMPORARY SPAN WIRE SIGNALS (13 SHEETS)	228-240
□ S-614-42	CABINET FOUNDATION DETAIL (4 SHEETS)	241-244
□ S-614-43	TRAFFIC LOOP AND MISCELLANEOUS SIGNAL DETAILS (8 SHEETS)	245-252
□ S-614-44	PEDESTAL POLE SIGNALS (2 SHEETS)	253-254
□ S-614-45	PEDESTRIAN PUSH BUTTON POST ASSEMBLY DETAILS (6 SHEETS) ***(REVISED ON DECEMBER 3, 2020)***	
□ S-614-50	STATIC SIGN MONOTUBE STRUCTURES (12 SHEETS)	255-266
□ S-614-60	DYNAMIC SIGN MONOTUBE STRUCTURES (14 SHEETS)	267-280
■ S-627-1	PAVEMENT MARKINGS (11 SHEETS) ***(REVISED ON APRIL 14, 2023)***	~~281-289~~
■ S-630-1	TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION (26 SHEETS) ***(REVISED ON JULY 24, 2023)***	~~290-313~~
■ S-630-2	BARRICADES, DRUMS, CONCRETE BARRIERS (TEMP) AND VERTICAL PANELS	314
□ S-630-3	FLASHING BEACON (PORTABLE) DETAILS	315
□ S-630-4	STEEL SIGN SUPPORT (TEMPORARY) INSTALLATION DETAILS (2 SHEETS)	316-317
□ S-630-5	PORTABLE RUMBLE STRIPS (TEMPORARY) (2 SHEETS)	318-319
□ S-630-6	EMERGENCY PULL-OFF AREA (TEMPORARY)	320
□ S-630-7	ROLLING ROADBLOCKS FOR TRAFFIC CONTROL (3 SHEETS)	321-323

COLORADO
DEPARTMENT OF TRANSPORTATION

M&S STANDARDS PLANS LIST

July 31, 2019

Revised on July 24, 2023

ALL OF THE M&S STANDARD PLANS, AS SUPPLEMENTED AND REVISED, APPLY TO THIS PROJECT WHEN USED BY DESIGNATED PAY ITEM OR SUBSIDIARY ITEM.

THE M&S STANDARD PLANS USED TO DESIGN THIS PROJECT ARE INDICATED BY A MARKED BOX ■, AND WILL BE ATTACHED TO THE PLANS. ALL OTHER M&S STANDARD PLANS ARE STILL ELIGIBLE FOR USE IN CONSTRUCTION IF APPROVED BY AN APPROPRIATE CDOT ENGINEER.

Computer File Information	
Creation Date: 07/31/19	
Designer Initials: JBK	(R-X)
Last Modification Date: 09/06/22	(R-X)
Detailer Initials: TA	(R-X)
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English	(R-X)

Sheet Revisions	
Date:	Comments

CITY OF DELTA EST. 1882

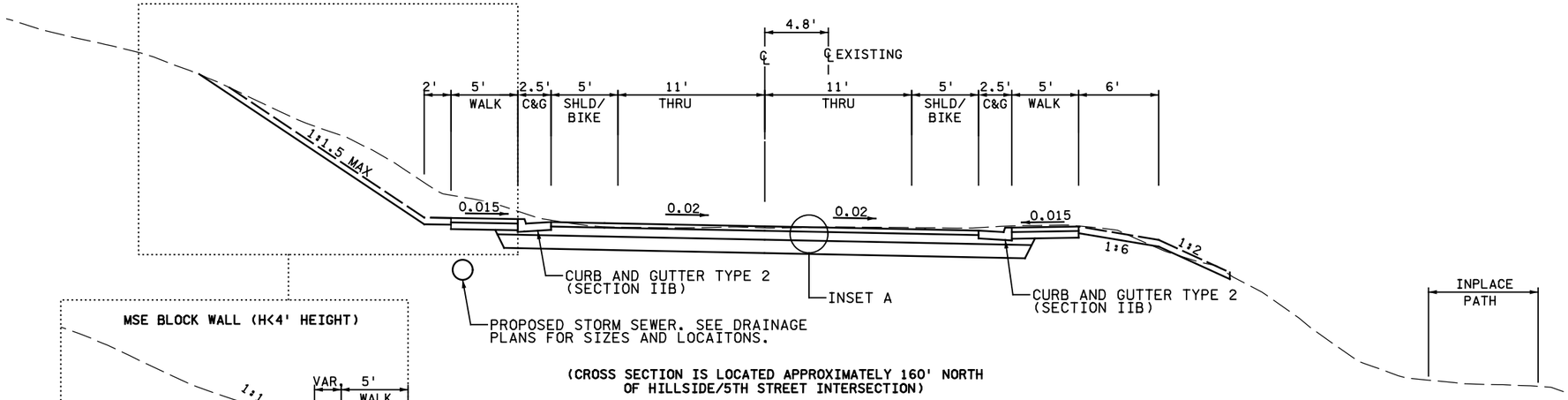
STANDARD PLANS LIST

Issued by the Project Development Branch: July 31, 2019

STANDARD PLAN NO.
STANDARDS PLANS LIST
Standard Sheet No. 1 of 1
Project Sheet Number: 03

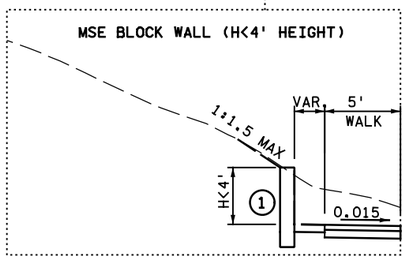
HILLSIDE ST. RECONSTRUCTION

STA. 100+63.07 TO STA. 119+65.64



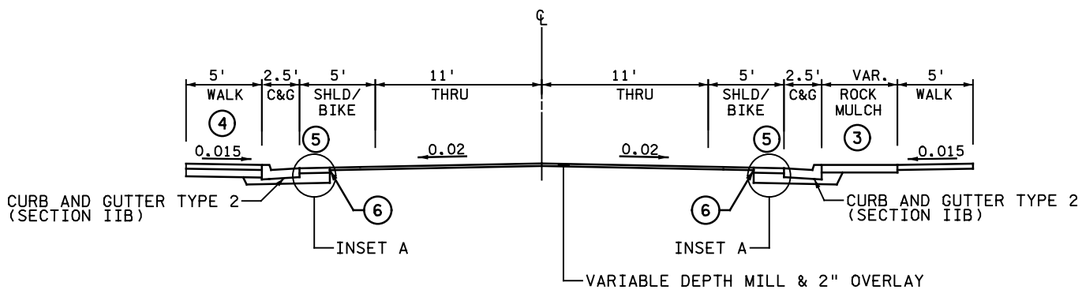
(CROSS SECTION IS LOCATED APPROXIMATELY 160' NORTH OF HILLSIDE/5TH STREET INTERSECTION)

MSE BLOCK WALL (H<4' HEIGHT)

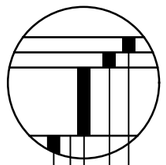


HILLSIDE ST. MILL & OVERLAY

STA. 119+14.185 TO STA. 123+20.13



INSET A



- 2" HMA (Gr SX) (75) (PG 64-28)
- 2" HMA (Gr SX) (75) (PG 64-28)
- 8" AGGREGATE BASE COURSE (CL 6)
- GEOTEXTILE (REINFORCEMENT)
- SUBGRADE PREPARED PER GEOTECHNICAL REPORT (SUBSIDIARY TO RELATED ITEMS OF WORK AND NOT PAID FOR SEPERATELY)

SPECIFIC NOTES:

1. RETAINING WALL OCCURS FROM STA. 110+00.00 TO STA. 116+00.00
3. ROCK MULCH OCCURS FROM STA. 119+85.35 TO STA. 120+39.96
4. SIDEWALK OCCURS FROM STA. 121+53.02 TO STA. 123+20.13
5. 2' WIDE FULL DEPTH ASPHALT REMOVAL AND REPLACEMENT ALONG ALL NEW CURB AND GUTTER
6. USE T-LOCK PAVEMENT JOINT TO TIE INTO EXISTING PAVEMENT. SEE ROADWAY DETAILS FOR MORE INFORMATION.

Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
Checked By						

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Unit Information Unit Leader RRS

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Sheet Revisions

Date:	Comments	Init.

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TYPICAL SECTIONS

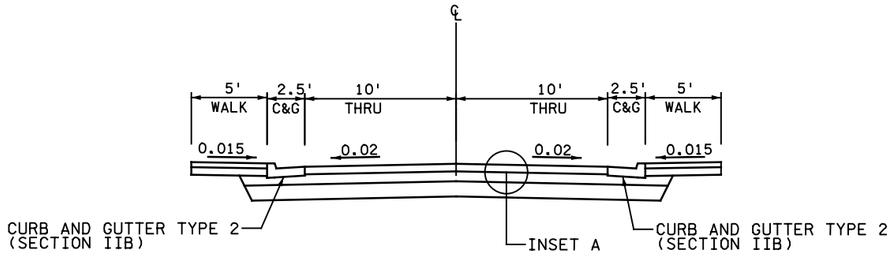
Designer: RRS
Detailer: MDG
Sheet Subset: TYP
Structure Numbers:
Subset Sheets: 1 of 3

Project No./Code
C M315-008
24829
Sheet Number 04

$PLOT_INFO$

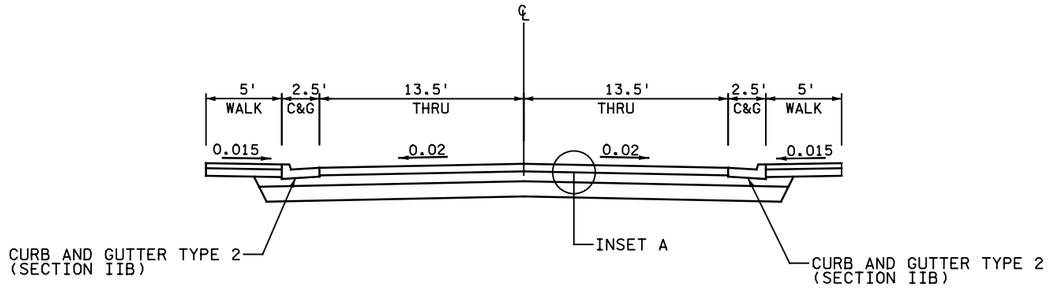
5TH ST. RECONSTRUCTION

STA. 10+16.29 TO STA. 10+90.49



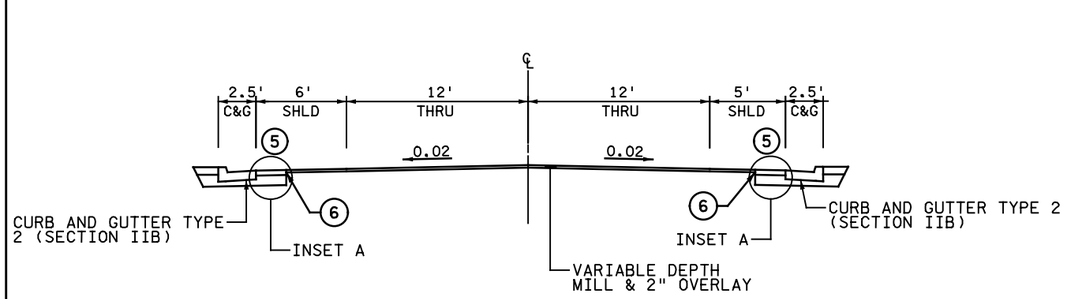
6TH ST. RECONSTRUCTION

STA. 20+16.02 TO STA. 20+54.99



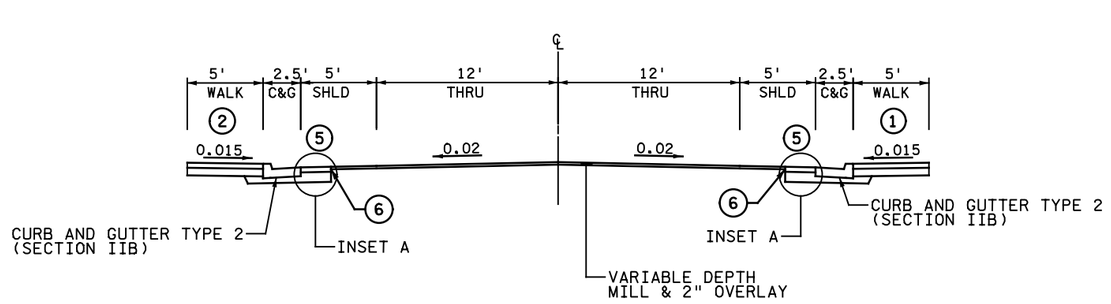
LEON ST. MILL & OVERLAY

STA. 30+50.00 TO STA. 31+26.81

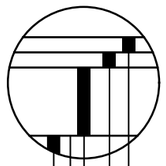


LEON ST. MILL & OVERLAY

STA. 31+66.35 TO STA. 32+37.11



INSET A



2" HMA (Gr SX) (75) (PG 64-28)
2" HMA (Gr SX) (75) (PG 64-28)
8" AGGREGATE BASE COURSE (CL 6)
GEOTEXTILE (REINFORCEMENT)
SUBGRADE PREPARED PER GEOTECHNICAL REPORT (SUBSIDIARY TO RELATED ITEMS OF WORK AND NOT PAID FOR SEPERATELY)

SPECIFIC NOTES:

1. SIDEWALK OCCURS FROM STA. 31+66.35 TO STA. 31+94.46
2. SIDEWALK TIES INTO EXISTING AT STA. 32+13.26
5. 2' WIDE FULL DEPTH ASPHALT REMOVAL AND REPLACEMENT ALONG ALL NEW CURB AND GUTTER
6. USE T-LOCK PAVEMENT JOINT TO TIE INTO EXISTING PAVEMENT. SEE ROADWAY DETAILS FOR MORE INFORMATION.

Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
Checked By						

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970-450-7474
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Sheet Revisions

Date:	Comments	Init.

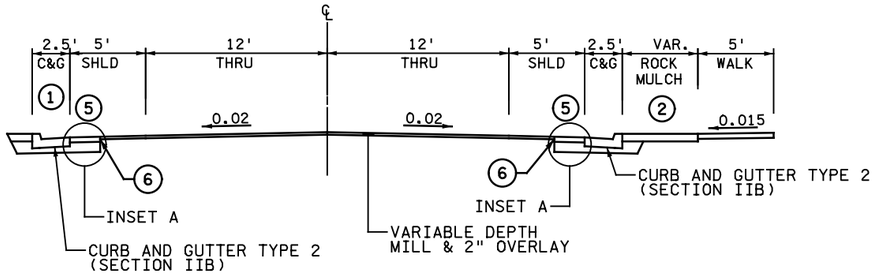
CITY OF DELTA EST 1882

As Constructed	TYPICAL SECTIONS			Project No./Code
No Revisions:				C M315-008
Revised:	Designer: RRS	Structure Numbers		24829
Void:	Detailer: MDG			
	Sheet Subset: TYP	Subset Sheets: 2 of 3		Sheet Number 05

$PLOT_INFO$

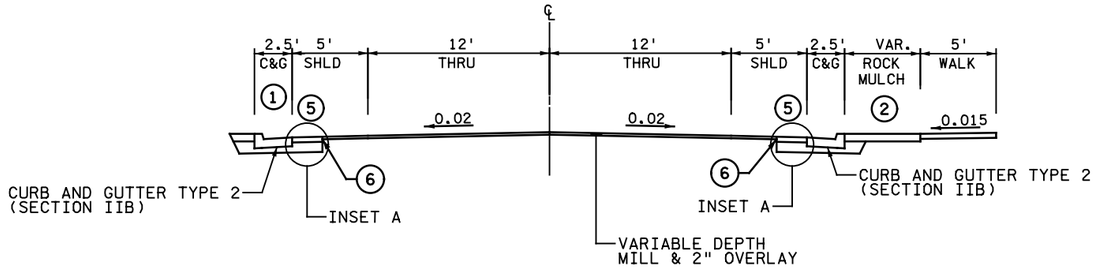
HASTINGS ST. MILL & OVERLAY

STA. 40+24.75 TO STA. 42+38.08



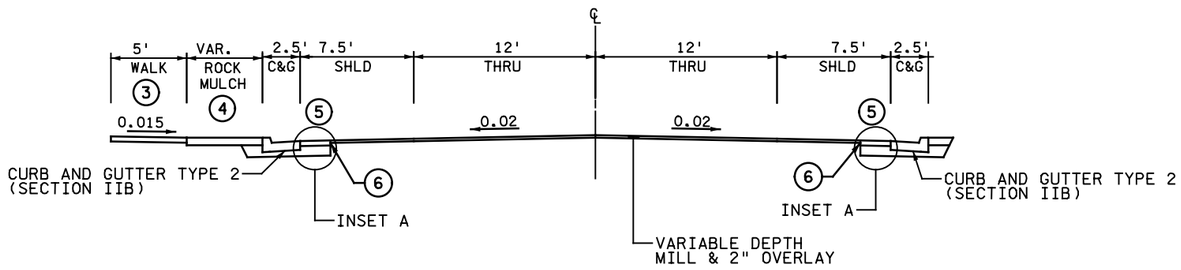
HASTINGS ST. MILL & OVERLAY

STA. 42+45.95 TO STA. 43+01.54

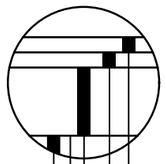


7TH ST. MILL & OVERLAY

STA. 123+56.00 TO STA. 124+53.79



INSET A



2" HMA (Gr SX) (75) (PG 64-28)
2" HMA (Gr SX) (75) (PG 64-28)
8" AGGREGATE BASE COURSE (CL 6)
GEOTEXTILE (REINFORCEMENT)
SUBGRADE PREPARED PER GEOTECHNICAL REPORT (SUBSIDIARY TO RELATED ITEMS OF WORK AND NOT PAID FOR SEPERATELY)

SPECIFIC NOTES:

1. TIE SHOULDER INTO EXISTING C&G FROM STA. 40+24+75 TO STA. 40+71.87
2. ROCK MULCH AND SIDEWALK FROM STA. 41+23.33 TO STA. 43+01.54
3. SIDEWALK OCCURS FROM STA. 123+56.00 TO STA. 124+35.38
4. ROCK MULCH OCCURS FROM STA. 123+56.00 TO STA. 124+44.27
5. 2' WIDE FULL DEPTH ASPHALT REMOVAL AND REPLACEMENT ALONG ALL NEW CURB AND GUTTER
6. USE T-LOCK PAVEMENT JOINT TO TIE INTO EXISTING PAVEMENT. SEE ROADWAY DETAILS FOR MORE INFORMATION.

Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
Checked By						

Print Date: 8/29/2023
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Unit Information Unit Leader RRS

1601 RIVERFRONT DRIVE, SUITE 204
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Sheet Revisions		
Date:	Comments	Init.

As Constructed
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TYPICAL SECTIONS

Designer: RRS
Detailer: MDG
Sheet Subset: TYP
Structure Numbers:
Subset Sheets: 3 of 3

Project No./Code
C M315-008
24829
Sheet Number 06

$PLOT_INFO$

GENERAL NOTES:

MATERIALS FOR THE SUBBASE SHALL BE AGGREGATE BASE COURSE (ABC) CLASS 6 AS SHOWN IN SUBSECTION 703.03.

FOR PLAN QUANTITIES OF PAVEMENT MATERIAL, THE FOLLOWING RATES OF APPLICATION WERE USED:

HOT MIX ASPHALT..... 110LBS./SQ. YD./ INCH
AGGREGATE BASE COURSE.....133 LBS/CU. FT. AGGREGATE BASE
(ABC) CLASS 6 DILUTED EMULSIFIED ASPHALT (SLOW SETTING) .... @ 0.10 GAL./SQ. YD. (DIL)
EMULSIFIED ASPHALT (SLOW SETTING).... @ 0.08 GAL. /SQ. YD. (DIL.)

FOR THE HOT MIX ASPHALT (HMA) TO BE USED ON THIS PROJECT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER AN APPROVED CDOT MIX DESIGN (FORM 43) ISSUED AND VERIFIED ON A CDOT PROJECT WITHIN THE LAST 36 MONTHS. THE ASPHALT CEMENT BINDER GRADE SHALL BE AS SPECIFIED IN THE PLANS. THE HMA MIX DESIGN SHALL CONFORM TO THE GRADATION REQUIREMENTS AS SPECIFIED IN THE PLANS.

A TACK COAT OF EMULSIFIED ASPHALT (SLOW SETTING) SHALL BE APPLIED AT THE FOLLOWING LOCATIONS:

- BEFORE PLACING NEW PAVEMENT OVER EXISTING PAVEMENT
- ALONG THE FACE OF ALL ADJACENT EXISTING PAVEMENT, AND OTHER SURFACES AGAINST WHICH ASPHALT WILL BE PLACED
- BETWEEN PAVEMENT COURSES

TACK COAT IS SUBSIDIARY TO RELATED TO ITEMS OF WORK AND NOT PAID FOR SEPERATELY.

ANY LAYER OF HOT MIX ASPHALT PAVEMENT THAT IS TO HAVE A SUCCEEDING LAYER PLACED THEREON SHALL BE COMPLETED FULL WIDTH BEFORE SUCCEEDING LAYER IS PLACED.

WHERE PAVEMENT IS TO ABUT EXISTING PAVEMENT OR IT IS REQUIRED TO CUT EXISTING ASPHALT, THE EXISTING ASHPALT SHALL BE REMOVED TO A NEAT VERTICAL LINE WITH A SAW OR AS APPROVED BY THE ENGINEER. CUT FACES SHALL NOT REMAIN UNPROTECTED OVERNIGHT. THIS WORK WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED SUBSIDIARY TO THE WORK. THE CONTRACTOR WILL BE REQUIRED TO PAINT OR SPRAY THE EDGE OF THE CUT ASPHALT WITH DILUTED EMULSIFIED ASPHALT (SLOW SETTING) PRIOR TO PAVING OPERATIONS.

THE FOLLOWING SHALL BE FURNISHED WITH EACH BITUMINOUS PAVER.

1. A SKI TYPE DEVICE AT LEAST 30 FEET IN LENGTH.
2. A SHORT SKI OR SHOE.
3. 6 INCH SHOE IS REQUIRED

DEPTH OF MOISTURE-DENSITY CONTROL FOR THIS PROJECT SHALL BE AS FOLLOWS:

- FULL DEPTH OF ALL EMBANKMENTS

WATER USED FOR COMPACTION WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE WORK.

WATER SHALL BE USED AS A DUST PALLIATIVE WHERE REQUIRED. LOCATIONS SHALL BE AS DIRECTED BY THE ENGINEER AND WILL NOT BE PAID FOR SEPARATELY, BUT INCLUDED IN THE WORK.

SHOULDERING MATERIAL FROM EDGE OF PAVEMENT TO P.O.S.S. SHALL BE COMPACTED USING MOISTURE DENSITY CONTROL AASHTO T-99.

ALL MATERIAL GENERATED WITHIN THE PROJECT LIMITS SHALL BE REMOVED FROM THE PROJECT SITE AT NO COST TO THE PROJECT UNLESS SPECIFIED BY THE PLANS. MILLING MATERIAL GENERATED BY PROJECT MAY BE USED BY THE CONTRACTOR.

THE CONTRACTOR SHALL REPAIR OR REPLACE AT THE CONTRACTOR'S EXPENSE ANY EXISTING SIGNS DAMAGED BY CONTRACTOR.

TRAVEL LANES ARE NOT SUBJECT TO SMOOTHNESS INCENTIVE/DISINCENTIVE PAYMENTS. ROADWAY SMOOTHNESS SHALL BE BASED ON THE STRAIGHTEDGE TESTING METHOD AS DESCRIBED IN THE IN THE STANDARD SPECIFICATIONS, SECTION 105.

THIS PROJECT WILL NOT BE SUBJECT TO QUALITY INCENTIVE PAYMENTS FOR ASPHALT QUALITY. THIS PROJECT WILL BE SUBJECT TO PRICE REDUCTIONS PER SECTION 105.05 OF THE STANDARD SPECIFICATIONS.

AGGREGATE FOR BASES SHALL MEET THE MINIMUM R VALUE REQUIREMENTS OF 70 FOR CLASS 1 AND 78 FOR CLASS 6, UNLESS OTHERWISE SPECIFIED.

THE CONTRACTOR SHALL PROVIDE A CERTIFIED SCALE AND CERTIFIED WEIGHER AT THE POINT OF LOADING FOR ALL AGGREGATES AND WATER DELIVERED TO THE PROJECT.

THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN DRAINAGE DURING THE WORK. ANY REWORK OF MATERIALS DUE TO LACK OF THE MAINTENANCE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

REMOVAL OF TEMPORARY PAVEMENT MARKINGS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE WORK.

BEFORE PLACEMENT OF THE TACK COAT, THE CONTRACTOR SHALL CLEAN THE ROADWAY AS DIRECTED BY THE ENGINEER. CLEANING WILL NOT BE MEASURED AND PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE WORK.

WHERE CUTTING OF ASPHALT PAVEMENT IS REQUIRED, THE CUTTING SHALL BE DONE TO A NEAT WORK LINE WITH A SAW OR CUTTING WHEEL AS APPROVED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS SUBSIDIARY TO THE WORK.

MAINTENANCE OF THE SANITARY FACILITY SHALL INCLUDE A CLEANING AT LEAST TWICE A WEEK. THIS WILL BE SUBSIDIARY TO THE PAY ITEM FOR SANITARY FACILITY AND WILL NOT BE PAID FOR SEPARATELY.

THE CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THOSE AREAS WITHIN THE LIMITS OF DISTURBANCE AND/OR TOES OF SLOPES SHOWN ON PLANS. ANY DISTURBANCE BEYOND THESE LIMITS SHALL BE RESTORED TO ORIGINAL CONDITION BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. CONSTRUCTION ACTIVITIES IN ADDITION TO NORMAL CONSTRUCTION PROCEDURE SHALL INCLUDE THE PARKING OF VEHICLES OR EQUIPMENT, DISPOSAL OF LITTER, AND ANY OTHER ACTION WHICH WOULD ALTER EXISTING CONDITIONS.

THE CONTRACTOR SHALL MAP STRIPING LOCATIONS PRIOR TO PAVING AND SHALL STRIPE THE ROADWAY TO MATCH ORIGINAL STRIPING LOCATIONS UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

ITEM 213-00067 ROCK MULCH (WEED FREE) SHALL BE 1.5" MINUS ROSE GRANITE MULCH (3" THICK) INCLUDING BASE PREPARATION AND EXCAVATION WITH WEED BARRIER FABRIC.

ITEM 420-00300 GEOTEXTILE (REINFORCEMENT) MATERIAL SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.

ALL DRIVEWAYS ON HILLSIDE STREET WILL NEED TO BE FIELD FITTED AND TIED TO EXISTING DRIVEWAYS AS SHOWN ON PLANS. CONTRACTOR SHALL COMMUNICATE WITH THE CITY A MINIMUM OF ONE (1) WEEK PRIOR TO CLOSING FOR DRIVEWAY CONSTRUCTION SO THE CITY CAN NOTIFY HOME/PROPERTY OWNERS SO THEY CAN RELOCATE VEHICLES OR MAKE FOR ACCESS RESTRICTIONS. CONTRACTOR SHALL PROVIDE HOME/PROPERTY OWNERS ACCESS TO THEIR PROPERTY AT ALL TIMES.

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File Name: ...\2204-00360_General Notes.dgn
Horiz. Scale: N/A Vert. Scale: N/A
Unit Information Imperial Unit Leader RRS
KLJ

Sheet Revisions

Date:	Comments	Init.

CITY OF DELTA EST. 1882

As Constructed
No Revisions:
Revised:
Void:

GENERAL NOTES

Designer: RRS
Detailer: MDG
Sheet Subset: GEN
Structure Number:
Subset Sheets: 1 of 2

Project No./Code
C M315-008
24829
Sheet Number 07

$PLOT_INFO$

ENVIRONMENTAL GENERAL NOTES:

DURING ALL SUBSURFACE ACTIVITIES, WORKERS SHALL BE ALERT FOR VISUAL AND OLFACTORY SIGNS OF CONTAMINATION. IF CONTAMINATION IS ENCOUNTERED, WORK SHALL STOP AND PROCEDURES ESTABLISHED IN THE CDOT 250 SPEC SHALL BE FOLLOWED. ANY CONTAMINATED SOILS OR LANDFILL MATERIAL SHALL BE PROPERLY HANDLED AND SAMPLED PRIOR TO DISPOSAL.

KEEP ALL STAGING, PARKING, AND MATERIAL STOCKPILES TO PREVIOUSLY DISTURBED AREAS.

THE CONTRACTOR SHALL ENSURE THAT NO MATERIALS, EQUIPMENT, OR VEHICLES ARE STAGED OR PARKED WITHIN 100 FEET OF WETLANDS, RIPARIAN, OR DRAINAGE AREAS, UNLESS SPECIFICALLY ALLOWED AS NOTED IN THE PLANS.

THE CONTRACTOR SHALL NOT DISTURB OR PARK ANY VEHICLES OR EQUIPMENT IN AREAS NOT APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL ADHERE TO THE CONSTRUCTION LIMITS AS NOTED IN THE PLANS AND DEMARCATE THE WORK AREA TO PREVENT GROUND DISTURBANCE OUTSIDE THOSE PRESCRIBED AREAS.

CONTRACTOR SHALL FOLLOW R3 SECTION 250 FOR RADIOLOGICAL SOILS AND WASTE DISPOSAL IN AREAS OF EXCAVATION WITHIN THE CONSTRUCTION LIMITS OF THE PROJECT.

EXISTING CURBING AND POLES THAT HAVE PAINTED SURFACES SHALL BE TESTED FOR LEAD PAINT OR OTHER TYPES OF HEAVY METALS, AND THIS WORK IS SUBSIDIARY TO OTHER RELATED ITEMS OF WORK.

CONTRACTOR SHALL NOT REMOVE ANY TREES BETWEEN APRIL 1 - AUGUST 31.

UTILITY GENERAL NOTES:

EXISTING LINES, AS SHOWN ON THE PLAN SHEETS, ARE PLOTTED FROM THE BEST AVAILABLE INFORMATION (ASCE 38-22 STANDARD QUALITY LEVEL B)

THE CONTRACTOR'S ATTENTION IS DIRECTED TO SUBSECTION 105.11 OF THE STANDARD SPECIFICATIONS AND THE UTILITY PROJECT SPECIAL PROVISIONS CONCERNING UTILITIES. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH UTILITY OWNERS IN THE THEIR REMOVAL, ADJUSTMENT, AND/OR RELOCATION OPERATIONS SO THAT THE UTILITY WORK CAN BE ACCOMPLISHED WITHOUT IMPACTING THE CONSTRUCTION SCHEDULE.

THE CONTRACTOR SHALL COMPLY WITH ARTICLE 1.5 OF TITILE 9, CRS ("EXCAVATION REQUIREMENTS") WHEN EXCAVATING OR GRADING IS PLANNED IN THE AREA OF UNDERGROUND UTILITY FACILITIES. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED UTILITIES AT LEAST TWO (2) BUSINESS DAYS, NOT INCLUDING THE ACTUAL DAY NOTICE, PRIOR TO COMMENCING SUCH OPERATIONS. THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC) AT 811 OR 1-800-922-1987, TO HAVE LOCATIONS OF UNCC REGISTERED LINES MARKED BY MEMBER COMPANIES. CDOT LOCATES ARE REQUESTED THROUGH THE UNCC. UTILITY SERVICE LATERALS SHALL ALSO BE LOCATED PRIOR TO BEGINNING EXCAVATION OR GRADING.

THERE ARE POSSIBLE UTILITY CONFLICTS WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL REQUEST UTILITY LOCATES PRIOR TO COMMENCING ANY TYPE OF EXCAVATION, GUARDRAIL INSTALLATION, OR OTHER IMPROVEMENTS. BASED UPON IMPROVEMENTS, ADJUSTMENTS MAY BE DIRECTED BY THE PROJECT ENGINEER TO AVOID UTILITY CONFLICTS. HAND DIGGING MAY BE REQUIRED.

UTILITY CONTACTS	
UTILITY COMPANY	UTILITY CONTACT INFORMATION
CITY OF DELTA	DAVID HOOD - PUBLIC WORKS MANAGER PHONE: 970-874-7913 EMAIL: david@cityofdelta.net
DELTA MONTROSE ELEC & FIBER UTILITIES	SHELBY BEAR P.E. - SYSTEM DESIGN SUPERVISOR PHONE: 970-240-1238 EMAIL: shelby.bear@dmea.com
BLACK HILLS ENERGY DISTRIBUTION	PAUL FICKLIN - UTILITY CONSTRUCTION MANAGER PHONE: 720-596-1122 & 720-808-5042 EMAIL: Paul.Ficklin@blackhillscorp.com
CENTURYLINK / LUMEN	AL PEREZ - LUMEN ENGINEER EMAIL: al.perez1@lumen.com KENNETH MILLER EMAIL: kenneth.miller@lumen.com
CLEARNETWORX	DAVID SNEESBY - OSP GIS SPECIALIST PHONE: 970576-4554 EMIAL: davids@deeplydigital.com

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Unit Information Imperial Unit Leader RRS

KLJ

Sheet Revisions		
Date:	Comments	Init.

CITY OF DELTA EST. 1882

As Constructed
No Revisions:
Revised:
Void:

GENERAL NOTES

Designer:	RRS	Structure Number	
Detailer:	MDG		
Sheet Subset:	GEN	Subset Sheets:	2 of 2

Project No./Code
C M315-008
24829
Sheet Number 08

$PLOT_INFO$

Contract Item No.	Contract Item Long Description	Unit	Estimated Quantity	Final Quantity
201-00000	Clearing and Grubbing	LS	1	
201-00005	Removal of Debris	LS	1	
202-00010	Removal of Tree	EACH	16	
202-00019	Removal of Inlet	EACH	4	
202-00021	Removal of Manhole	EACH	2	
202-00029	Removal of Gabion	CY	157	
202-00035	Removal of Pipe	LF	356	
202-00090	Removal of Delineator	EACH	17	
202-00200	Removal of Sidewalk	SY	1,199	
202-00203	Removal of Curb and Gutter	LF	3,560	
202-00210	Removal of Concrete Pavement	SY	271	
202-00220	Removal of Asphalt Mat	SY	9,661	
202-00240	Removal of Asphalt Mat (Planing)	SY	2,961	
202-00810	Removal of Ground Sign	EACH	6	
202-00821	Removal of Sign Panel	EACH	5	
202-01000	Removal of Fence	LF	93	
202-01130	Removal of Guardrail Type 3	LF	463	
202-05004	Sawing Concrete (4 Inch)	LF	218	
202-05026	Sawing Asphalt Material (6 Inch)	LF	2,046	
203-00010	Unclassified Excavation (Complete In Place)	CY	9,506	
206-00100	Structure Backfill (Class 1)	CY	1,000	
207-00210	Stockplle Topsoll	CY	485	
208-00002	Erosion Log Type 1 (12 Inch)	LF	2,653	
208-00045	Concrete Washout Structure	EACH	1	
208-00056	Storm Drain Inlet Protection (Type III)	EACH	15	
208-00207	Erosion Control Management	DAY	150	
210-00010	Reset Mailbox Structure	EACH	6	
210-00050	Reset Fire Hydrant	EACH	1	
210-00810	Reset Ground Sign	EACH	10	
210-04010	Adjust Manhole	EACH	1	
210-04050	Adjust Valve Box	EACH	7	
210-04060	Adjust Water Meter	EACH	1	
212-00050	Sod	SF	3,973	
212-00702	Biotic Soil Amendments (Hydraulically Applied)	LB	3,500	
212-00703	Humate	LB	200	
212-00707	Seeding (Native) Hydraulic	ACRE	1.521	
213-00067	Rock Mulch (Weed Free)	SF	554	
216-00022	Soil Retention Blanket (Class 2)	SY	6,645	
304-06007	Aggregate Base Course (Class 6)	CY	2,537	
403-34751	Hot Mix Asphalt (Grading SX) (75) (PG 64-28)	TON	2,076	
412-00600	Concrete Pavement (6 Inch)	SY	410	
420-00300	Geotextile (Reinforcement)	SY	8,280	
504-08050	Stone Landscape Wall	SF	1,980	
603-01125	12 Inch Reinforced Concrete Pipe (Complete In Place)	LF	136	
603-01185	18 Inch Reinforced Concrete Pipe (Complete In Place)	LF	850	
603-01245	24 Inch Reinforced Concrete Pipe (Complete In Place)	LF	419	
603-05012	12 Inch Reinforced Concrete End Section	EACH	1	
603-05024	24 Inch Reinforced Concrete End Section	EACH	1	
604-19210	Inlet Type R L10 (10 Ft)	EACH	3	
604-19215	Inlet Type R L10 (15 Ft)	EACH	2	
604-31010	Manhole Box Base (10 Foot)	EACH	3	
605-00060	6 Inch Perforated Pipe Underdrain	LF	940	
607-11300	Fence Combination Wire With Treated Wooden Posts	LF	94	
608-00000	Concrete Sidewalk	SY	2,478	
608-00010	Concrete Curb Ramp	SY	190	
609-21020	Curb and Gutter Type 2 (Section II-B)	LF	5,367	
609-24003	Gutter Type 2 (3 Foot)	LF	360	
609-24008	Gutter Type 2 (8 Foot)	LF	32	
614-00011	Sign Panel (Class I)	SF	72	
614-00216	Steel Signpost (2x2 Inch Tubing)	LF	66	
614-80003	Rectangular Rapid Flashing Beacon	EACH	2	
625-00000	Construction Surveying	LS	1	
626-00000	Mobilization	LS	1	
627-00008	Modified Epoxy Pavement Marking	GAL	37	
627-30411	Preformed Thermoplastic Pavement Marking (Xwalk-Stop Line) (Special)	SF	1,050	
630-00016	Traffic Control (Special) LS	LS	1	
630-80335	Barricade (Type 3 M-A) (Temporary)	EACH	12	
630-80342	Construction Traffic Sign (Panel Size B)	EACH	24	
700-70010	F/A Minor Contract Revisions	F A	1	

SUMMARY OF EARTHWORK QUANTITIES

PAY QUANTITIES:

UNCLASSIFIED EXCAVATION (COMPLETE IN PLACE)	CUBIC YARDS
ROADWAY REGULAR UNCLASSIFIED EXCAVATION QUANTITY	9,515
ADJUSTMENT FOR REMOVAL OF EXISTING TOPSOIL (ASSUMED 4" REMOVED EXISTING TOPSOIL DEPTH)	485
ADDITIONAL UNCLASSIFIED EXCAVATION QUANTITY FOR CUT SLOPE TREATMENT	476
TOTAL QUANTITY FOR UNCLASSIFIED EXCAVATION MATERIAL (COMPLETE IN PLACE) PAY QUANTITY	9,506

FOR INFORMATION ONLY:

EMBANKMENT MATERIAL (COMPLETE IN PLACE)	CUBIC YARDS
ROADWAY REGULAR EMBANKMENT QUANTITY (SEE NOTE 1)	1,381
TOTAL FOR EMBANKMENT MATERIAL (COMPLETE IN PLACE)	1,381

FOR INFORMATION ONLY - EARTHWORK BALANCE

UNCLASSIFIED EXCAVATION (COMPLETE IN PLACE) (CUT)	CUBIC YARDS
TOTAL UNCLASSIFIED EXCAVATION	9,506
TOTAL MATERIAL AVAILABLE FROM EXCAVATION	9,506

EMBANKMENT MATERIAL (COMPLETE IN PLACE) (FILL)	CUBIC YARDS
EMBANKMENT MATERIAL	1,381
TOTAL MATERIAL NEEDED FOR EMBANKMENTS	1,381

EMBANKMENT MATERIAL EXPANDED

TOTAL EMBANKMENT MULTIPLIED BY COMPACTION FACTOR (EMBANKMENT COMPACTION FACTOR= 1.20)	1,657

BALANCE

TOTAL EXCESS MATERIAL	
TOTAL MATERIAL AVAILABLE FROM EXCAVATIONS LESS TOTAL MATERIAL NEEDED FOR EMBANKMENT	7,849

Notes:
1. THIS VALUE DOES NOT INCLUDE ITEMS PAID FOR SEPARATELY I.E. BASECOURSE, PAVEMENT, SIDEWALK, HARDSCAPE, ETC. TOPSOIL PLACEMENT IS INCLUDED IN THIS QUANTITY.

Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
Checked By						

$PLOT_INFO$

Print Date: 8/29/2023
File Name: 2204-00360_SAQ.dgn
Horiz. Scale: N/A Vert. Scale: N/A
Unit Information Unit Leader RRS

1601 RIVERFRONT DRIVE, SUITE 204
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CITY OF DELTA EST 1882

As Constructed
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Revised:
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SUMMARY OF APPROXIMATE QUANTITIES

Designer: RRS
Detailer: MDG
Sheet Subset: SAQ
Structure Numbers:
Subset Sheets: 1 of 1

Project No./Code
C M315-008
24829
Sheet Number 09

Tabulation of Removals

Station		202-00010	202-00029	202-00090	202-00200	202-00203	202-00210	202-00220	202-00240	202-01000	202-01130	202-05004	202-05026	210-00010	Notes
		Rem Tree	Rem Gablon	Rem Delineator	Rem Sidewalk	Rem Curb and Gutter	Rem Conc Pavement	Rem Asphalt Mat	Rem Asphalt Mat (Planing)	Rem Fence	Rem Gdrail Ty 3	Sawing Concrete (4 In)	Sawing Asphalt Mat (6 In)	Res Mailbox Str	
From	To	EACH	CY	EACH	SY	LF	SY	SY	SY	LF	LF	LF	LF	EACH	
INP_HS_7TH															
201+11.49	205+82.08		28.0		240	700	61	2,157			171	67	46		
205+82.08	211+43.42	5	108	5 (1)	271	630	34	2,452			292		23		
211+43.42	216+90.72	11	21	12 (1)	253	568	55	2,413		52		13	28		
216+90.72	222+28.91				268	933	40	1,475	1445	42		98	868	2	
222+28.91	225+41.76				166	729	81	1,165	1516			40	1082	4	
Project Totals		16	157	17	1,199	3,560	271	9,661	2,961	93	463	218	2046	6	

SPECIFIC NOTES:

(1) REMOVE POST WITH REFLECTOR

Tabulation of Surfacing

Station		304-06007	403-34751			403-34751			412-00600	608-00000	608-00010	609-21020	609-24008	Notes
		Aggregate Base Course (Class 6)	HMA (Gr SX) (75) (PG 64-28)			HMA (Gr SX) (75) (PG) (64-28)			Conc Pvmt (6 In)	Conc Sidewalk	Conc Curb Ramp	C and G Ty 2 II-B	Gutter Ty 2 (8 Ft)	
From	To	CY	TON			TON			SY	SY	SY	LF	LF	
			Bottom Lift			Top Lift								
ALI_HILLSIDE			Wid (ft)	Thk (in)	TON	Wid (ft)	Thk (in)	TON						
100+63	105+50	591.85	32	2	**220.8**	32	2	**220.8**	**62**	**429**	**21**	**977**		
105+50	116+50	670.12	32	2	**245.6**	32	2	**245.6**		**574**	**15**	**1201**		Includes 5th St
116+50	116+45	654.77	32	2	**238.5**	32	2	**238.5**		**583**	**33**	**1121**		Includes 6th Street
116+45	122+00	450.75	32	2	**125.1**	32	2	**290.5**	**284**	**336**	**54**	**1248**		Includes Leon
122+00	123+24.13	191.20	2	2	**35.4**	32	2	**215.9**	**64**	**233**	**68**	**821**	**32**	Includes Hastings/7th St
Project Totals		**2,559**	**865**			**1,211**			**410**	**2,478**	**190**	**5,367**	**32**	

Miscellaneous Tabulation

Station		607-11300	614-80003	Notes
		Fence CW TWP	Rectangular Rapid Flashing Beacon	
From	To	LF	EACH	
ALI_HILLSIDE				
100+63	105+50			
105+50	116+50			
116+50	116+45	56		
116+45	122+00	38		
122+00	123+24.13		2	Includes Hastings/7th St
Project Totals		94	2	

Revision Dates (Preliminary Stage Only)

INITIALS | DESIGN | DATE | DETAIL | DATE | QUANTITY | DATE

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1601 RIVERFRONT DRIVE, SUITE 204
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970-450-7474
KLJ

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TABULATIONS

Designer: RRS
Detailer: MDG
Sheet Subset: TAB
Structure Numbers:
Subset Sheets: 1 of 2

Project No./Code
C M315-008
24829
Sheet Number 10

Tabulation of Drainage Structure Removals/Resets/Adjustments

Station		202-00021	202-00035	210-00050	210-04010	210-04050	210-04060	Notes
		Rem Manhole	Rem Pipe	Res Fire Hydrant	Adj Manhole	Adj Valve Box	Adj Water Meter	
From	To	EACH	LF	EACH	EACH	EACH	EACH	
INP_HS_7TH								
201+11.49	205+82.08	1	171 (2)					
205+82.08	211+43.42	1	185 (2)					
211+43.42	216+90.72							
216+90.72	222+28.91			1	1	3		
222+28.91	225+41.76					4	1	
Project Totals		2	356	1	1	7	1	

SPECIFIC NOTES:

(2) 24" PVC PIPE

Environmental Tabulation

Station		208-00002	212-00707	212-00050	216-00022	213-00067	Notes
		Erosion Log Type 1 (12 Inch)	Seeding (Native) Hydraulic	Sod	Soil Retention Blanket (Class 2)	Rock Mulch (Weed Free)	
From	To	LF	ACRE	SF	SY	SY	
ALI_HILLSIDE							
100+63	105+41	623	0.412		1,983	206 (1)	
105+41	111+00	1107	0.588		2,843		
111+00	116+45	887	0.337		1,607	87 (1)	
116+45	121+75	35	0.098	2,207	212	35 (1)	
121+75	123+24.13		0.086	1,767		227 (1)	Includes Hastings/7th St
Project Totals		2653	1.521	3,973	6,645	554 (1)	

SPECIFIC NOTES:

(1) ROCK MULCH CONSISTS OF 3" DEPTH OF 1.5" MINUS ROSE GRANITE OVER WEED BARRIER FABRIC (4.8 OUNCE/SY MIN.)

Tabulation of Drainage Structures

Station (4)		Side	Offset (3)	603-01125	603-01185	603-01245	603-05012	603-05024	604-19210	604-19215	604-31010	605-00060	Notes
				RCP			RCES		Inlet Ty R L10 (10 Ft)	Inlet Ty R L10 (15 Ft)	MH Box Base (10 Ft)	6 Inch Perforated Pipe Underdrain	
				12 Inch	18 Inch	24 Inch	12 Inch	24 Inch					
From	To			LF	LF	LF	EACH	EACH	EACH	EACH	EACH	LF	
ALI_HILLSIDE													
103+08.82	103+55.49	LT	60.1'			69		1					Link-01b-S
103+55.49		LT	60.1'								1		MH 01
103+55.34	109+07.21	LT	32.3'									560	
103+55.49	106+55.31	LT	21.0'			308							Link-01a-S
106+55.31		LT	21.0'							1			IN 01
106+55.31	106+55.49	LT/RT	20.2'			42							Link-08f-S
106+55.49		RT	20.2'							1			IN 02
106+55.31	109+90.84	LT	21.0'		334								Link-08d-S
109+90.84		LT	21.0'						1				IN 03
109+90.84	113+22.47	LT	5.5'		330								Link-08b-S
109+91.08	113+71.70	LT	28.0'									380	
113+22.47		LT	5.5'								1		MH 02
113+22.47	115+09.77	LT	20.2'		186								Link-08a-S
115+09.77		LT	21.2'						1				IN 04
LEON_ST													
31+86.96	31+99.56	RT	50.4'	59			1						Link-06a-S
31+86.96		RT	50.4'								1		MH 03
31+86.96	32+16.50	RT/LT	21.6'	77									Link-04a-S
32+16.5		LT	21.6'						1				IN 05
Project Totals				136	850	419	1	1	3	2	3	940	

Specific Notes:

(3) OFFSET VALUES FOR PIPES ARE FOR UPSTREAM ENDS

(4) STATION VALUES FOR INLETS AND MANHOLES ARE FOR CENTER OF THE STRUCTURES

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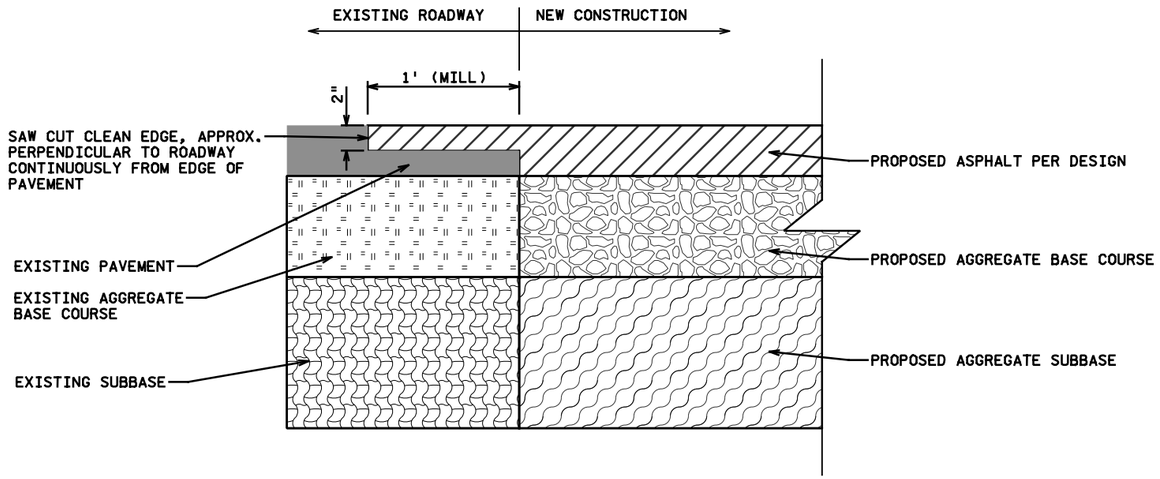
Project No./Code

C M315-008

24829

Sheet Number II



T-LOCK PAVEMENT JOINT

TO BE USED TO TRANSITION FROM NEW CONSTRUCTION TO EXISTING PAVEMENT SURFACES

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Print Date: 8/29/2023
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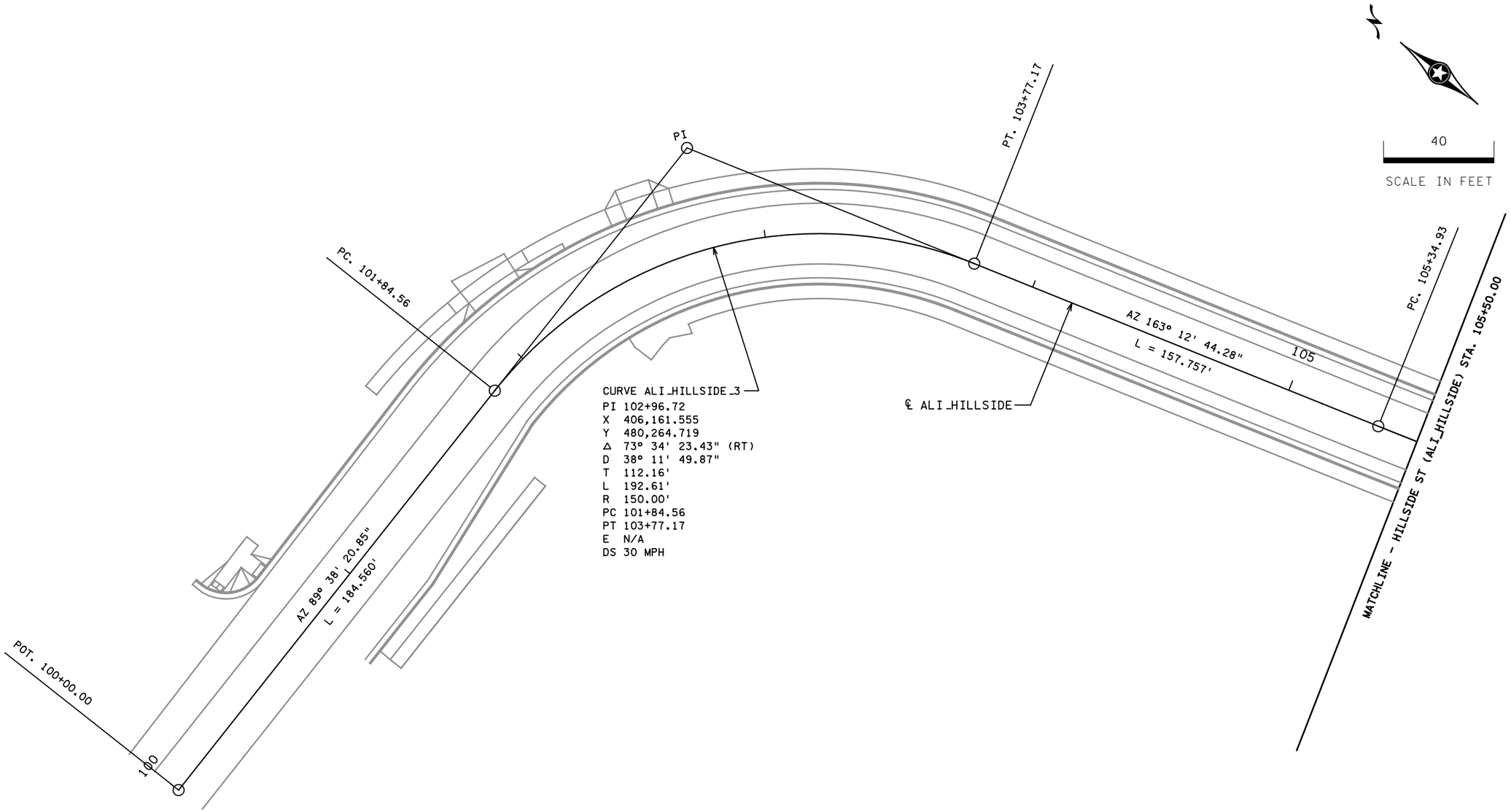
ROADWAY DETAILS

Designer: RRS
Detailer: MDG
Sheet Subset: DET
Structure Numbers:
Subset Sheets: 1 of 1

Project No./Code
C M315-008
24829
Sheet Number 12



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Unit Information Unit Leader RRS				Void:	Structure Numbers / Subset Sheets: 1 of 5
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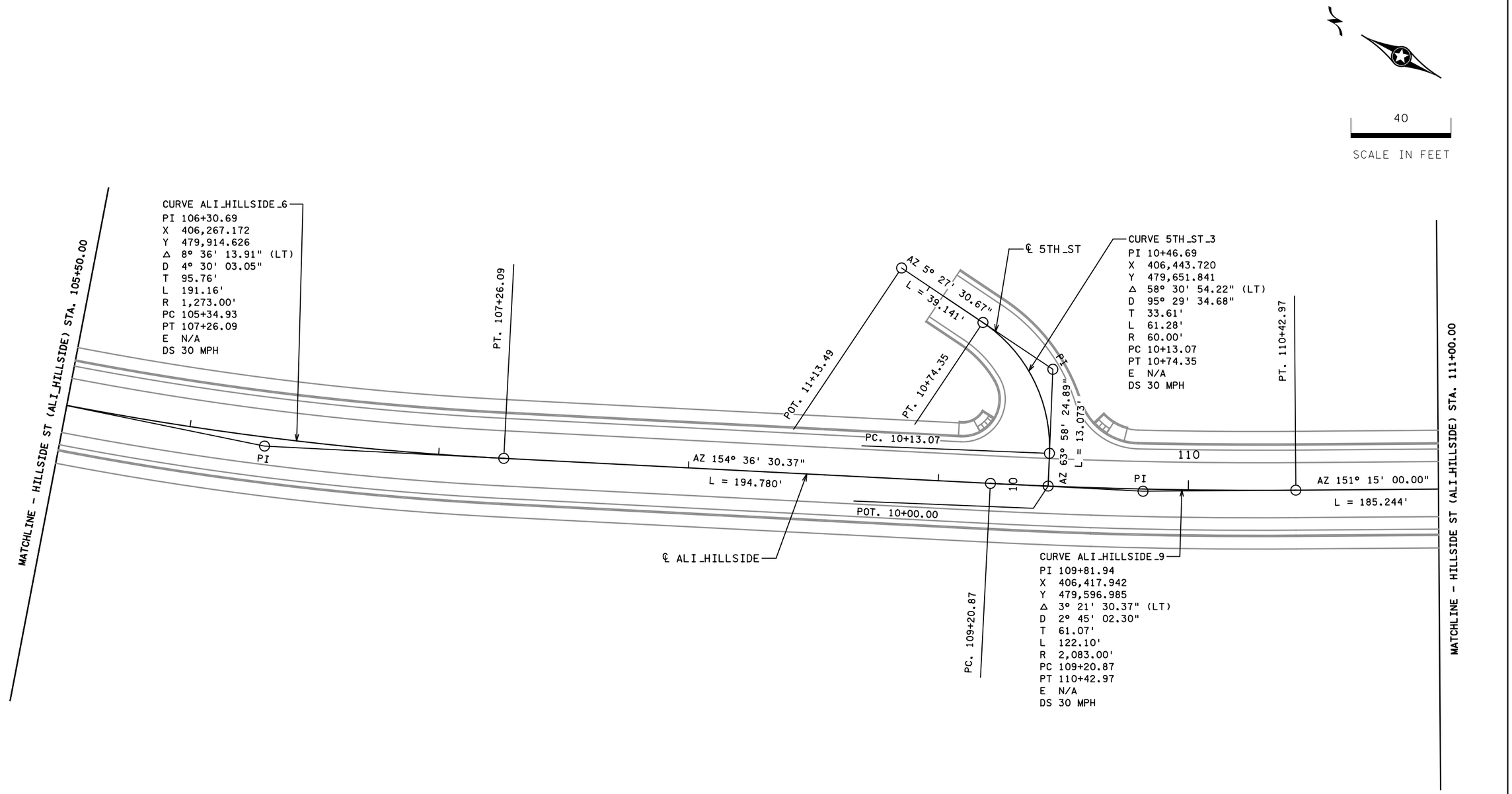
C M315-008
24829
Sheet Number 13



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GEOMETRIC CONTROL

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Detailer: MDG
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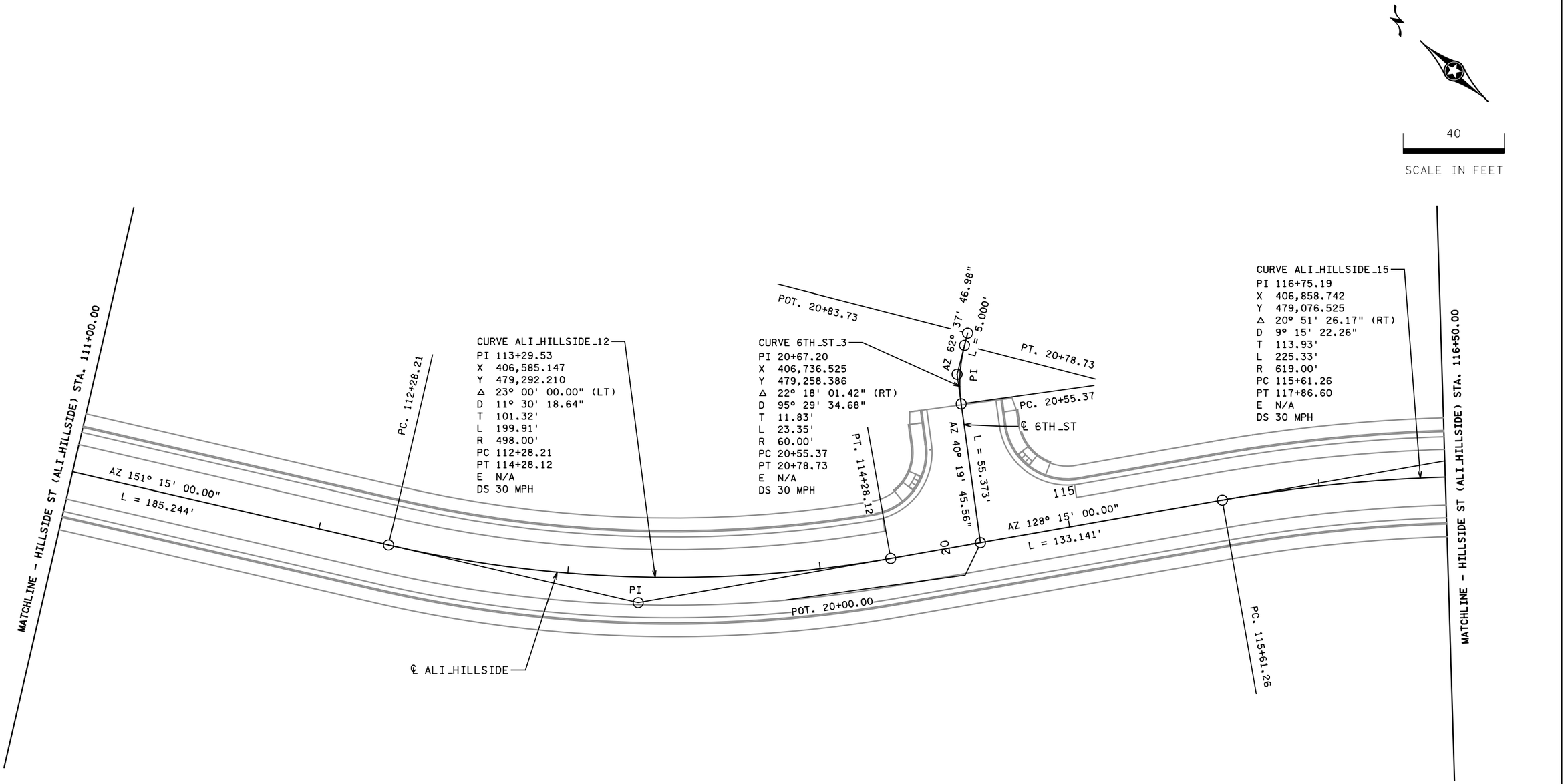
Structure Numbers:
Subset Sheets: 2 of 5

Project No./Code
C M315-008
24829
Sheet Number 14



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Detailer: MDG
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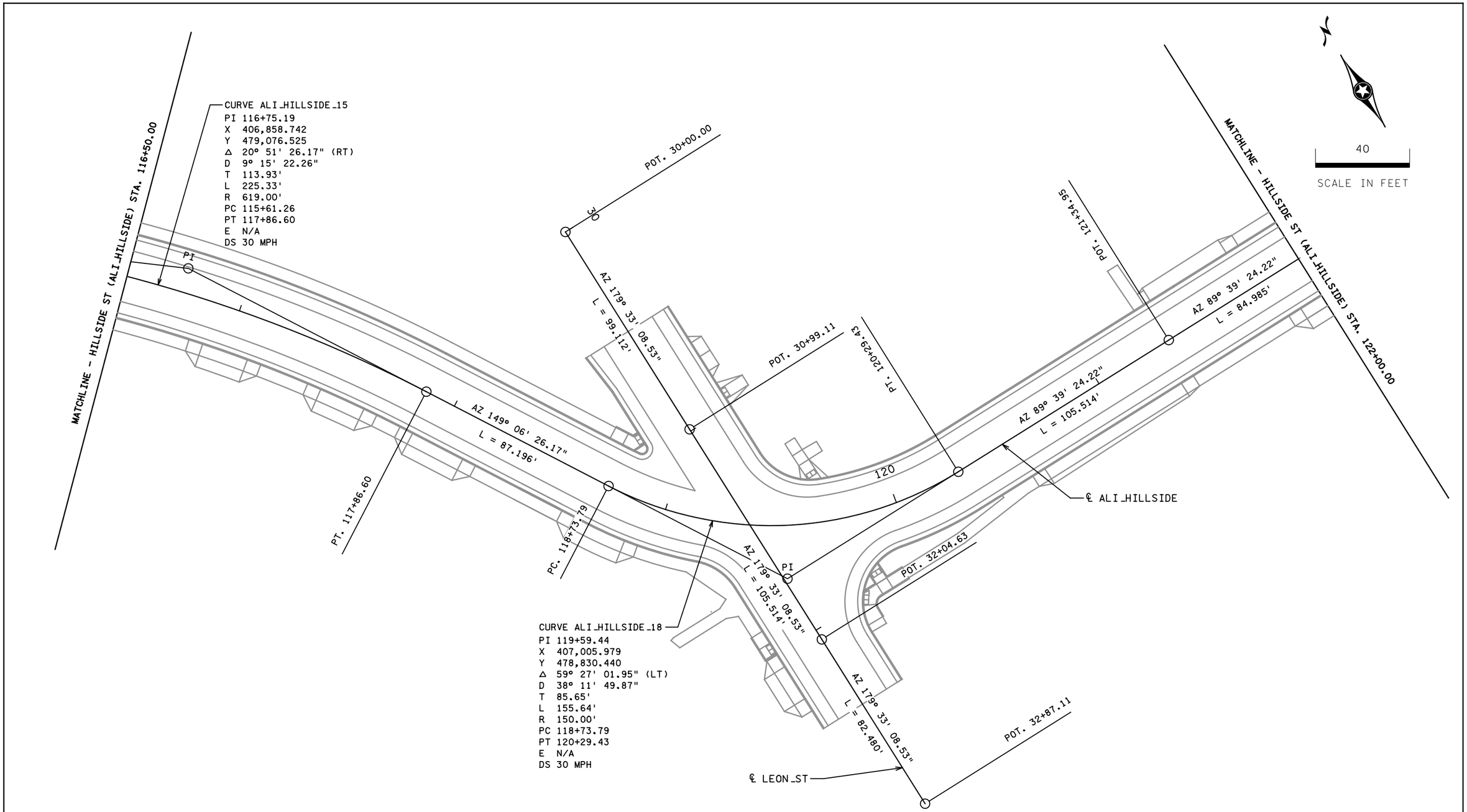
Structure Numbers
Subset Sheets: 3 of 5

Project No./Code
C M315-008
24829
Sheet Number 15



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Detailer: MDG
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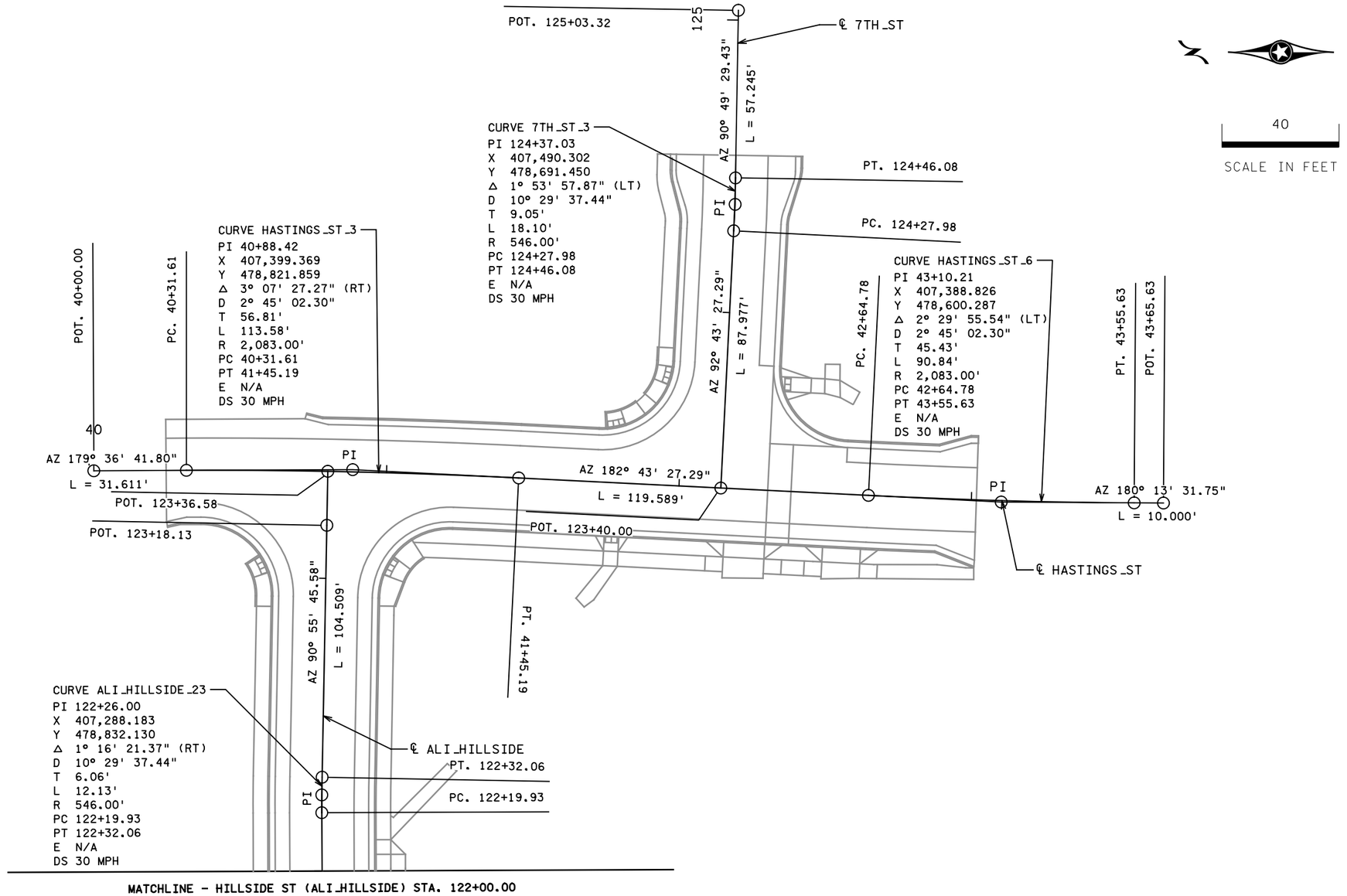
Structure Numbers:
Subset Sheets: 4 of 5

Project No./Code

C M315-008

24829

Sheet Number 16



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Sheet Subset: GEO
Structure Numbers
Subset Sheets: 5 of 5

Project No./Code
C M315-008
24829
Sheet Number 17

CONDE

PONTOW FAMILY TRUST

ADRIO

SIMINEO

BUSH

JOLLY

REMOVAL OF PIPE

REMOVAL OF MANHOLE

REMOVAL OF PIPE

REMOVAL OF GABION

REMOVAL OF GABION

EXISTING HILLSIDE ST

205

1 REMOVAL OF GUARDRAIL

℄ INP_HS_7TH

MATCHLINE - HILLSIDE ST (ALI_HILLSIDE) STA. 105+50.00
INPLACE HILLSIDE ST (INP_HS_7TH) STA. 205+92.16

EXISTING HOWARD ST

EXISTING 4TH ST

200

BEGIN RECONSTRUCTION
INP_HS_7TH STA. 201+11.49
= ALI_OP3 STA. 100+63.07

40

SCALE IN FEET

SPECIFIC NOTES:

1 CONTRACTOR SHALL CUT ALL GUARDRAIL POSTS AT GROUND LEVEL

LEGEND

- REMOVAL OF ASPHALT MAT
- REMOVAL OF ASPHALT MAT (PLANING)
- REMOVAL OF SIDEWALK
- CLEARING & GRUBBING
- REMOVAL OF CURB AND GUTTER
- REMOVAL OF TREE
- REMOVAL OF CONCRETE PAVEMENT
- CONSTRUCTION LIMITS
- PARCEL LINES
- ROW

Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
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Print Date: 6/29/2023
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Unit Information Unit Leader RRS

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Date:	Comments	Init.

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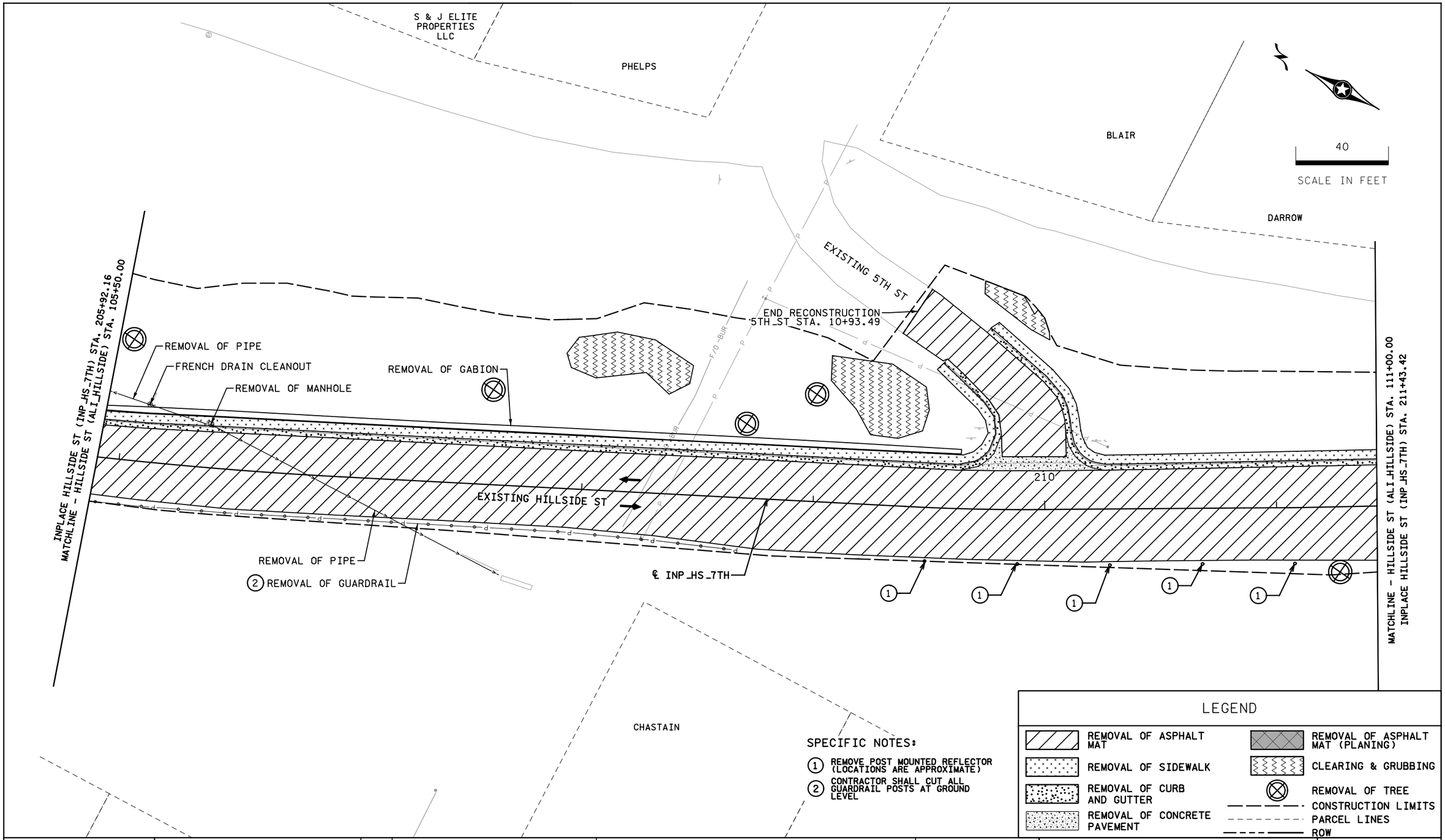
REMOVAL PLANS

Designer:	RRS	Structure Numbers	
Detailer:	MDG		
Sheet Subset:	REM	Subset Sheets:	1 of 5

Project No./Code
C M315-008
24829
Sheet Number 18



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REMOVAL PLANS

Designer: RRS
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Sheet Subset: REM
Structure Numbers
Subset Sheets: 2 of 5

Project No./Code
C M315-008
24829
Sheet Number 19

LABER

BALLARD

THATCHER

ROGERS

GUERRA

SANDERSON

40

SCALE IN FEET

INPLACE HILLSIDE ST (INP_HS_7TH) STA. 211+43.42
MATCHLINE - HILLSIDE ST (ALI_HILLSIDE) STA. 111+00.00

END RECONSTRUCTION
6TH_ST STA. 20+54.99

EXISTING 6TH ST

EXISTING GRAND BLVD

CITY OF DELTA

REMOVAL OF PARK SIGN

REMOVAL OF GABION

215

EXISTING HILLSIDE ST

℄ INP_HS_7TH

REMOVAL OF FENCE

MATCHLINE - HILLSIDE ST (ALI_HILLSIDE) STA. 116+50.00
INPLACE HILLSIDE ST (INP_HS_7TH) STA. 216+95.74

CHASTAIN

SHERIFF

SPECIFIC NOTES:

(1) REMOVE POST MOUNTED REFLECTOR (LOCATIONS ARE APPROXIMATE)

LEGEND

- REMOVAL OF ASPHALT MAT
- REMOVAL OF ASPHALT MAT (PLANING)
- REMOVAL OF SIDEWALK
- CLEARING & GRUBBING
- REMOVAL OF CURB AND GUTTER
- REMOVAL OF TREE
- CONSTRUCTION LIMITS
- REMOVAL OF CONCRETE PAVEMENT
- PARCEL LINES
- ROW

Revision Dates (Preliminary Stage Only)

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Date:	Comments	Init.

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REMOVAL PLANS

Designer: RRS
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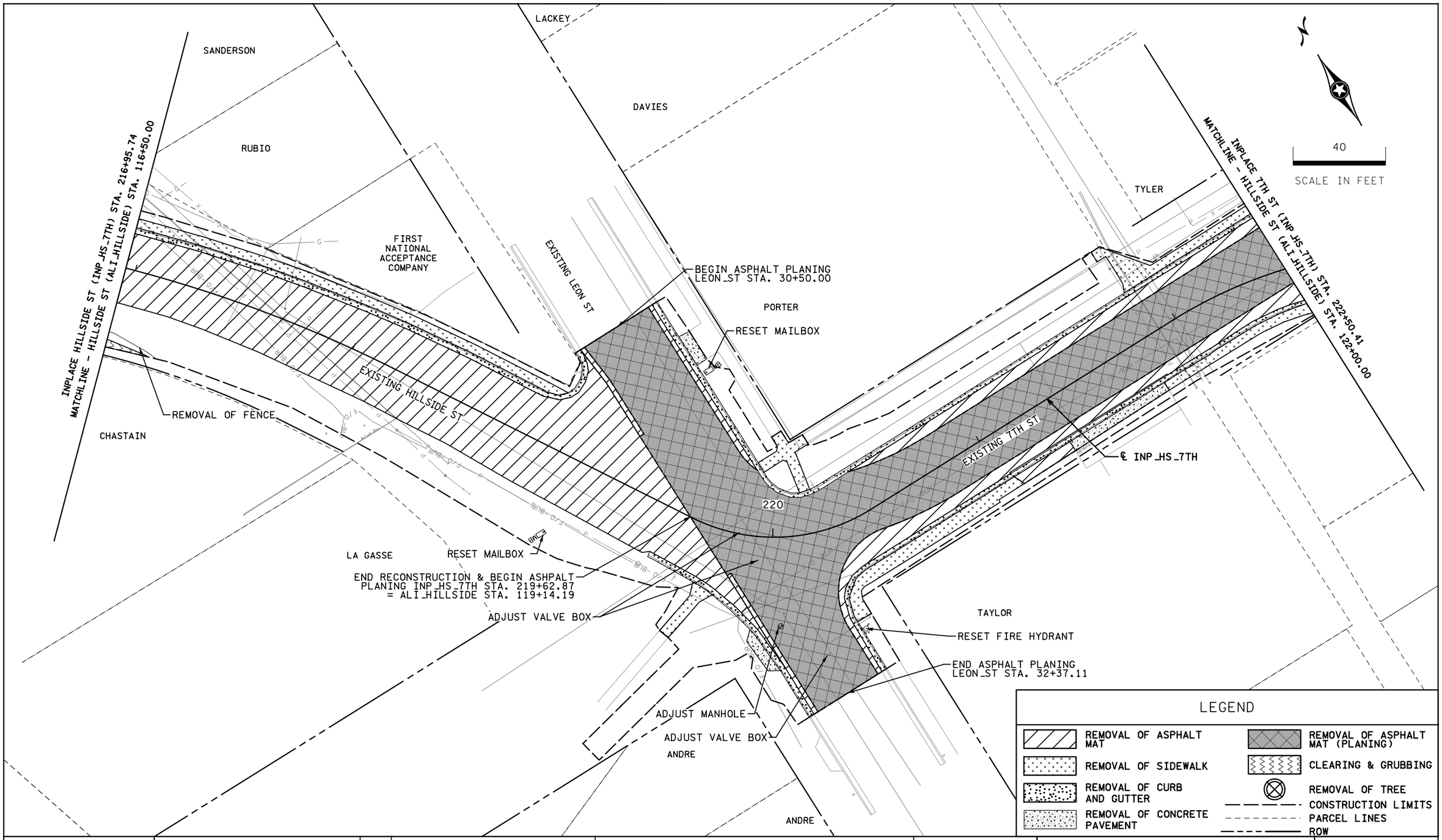
Structure Numbers:
Subset Sheets: 3 of 5

Project No./Code
C M315-008
24829
Sheet Number 20



Revision Dates (Preliminary Stage Only)

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Print Date: 8/29/2023
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REMOVAL PLANS

Designer: RRS
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Sheet Subset: REM
Structure Numbers:
Subset Sheets: 4 of 5

Project No./Code
C M315-008
24829
Sheet Number 21

Revision Dates (Preliminary Stage Only)

END ASPHALT PLANING
INP_HS_7TH STA. 225+41.76
= 7TH_ST STA. 123+36.58

EXISTING 7TH ST

HOUSING AUTHORITY OF THE CITY OF DELTA

WORKMAN

ZENTZ

BARNES

40

SCALE IN FEET

BEGIN ASPHALT PLANING
HASTINGS_ST STA. 40+24.75

RESET MAILBOX

ADJUST VALVE BOX

ADJUST VALVE BOX

END ASPHALT PLANING
HASTINGS_ST STA. 43+01.70

EXISTING HASTINGS ST

EXISTING HASTINGS ST

ADJUST VALVE BOX

RESET MAILBOX

ADJUST WATER METER

RESET MAILBOX

℄ INP_HS_7TH

TYLER

PEPIN

BOLLER

GAFFORD

CHAPMAN

TYLER

EXISTING 7TH ST

SHANDY PROPERTIES LLC

MATCHLINE - HILLSIDE ST (ALI_HILLSIDE) STA. 122+00.00
INPLACE 7TH ST (INP_HS_7TH) STA. 222+50.41

LEGEND

- REMOVAL OF ASPHALT MAT
- REMOVAL OF ASPHALT MAT (PLANING)
- REMOVAL OF SIDEWALK
- CLEARING & GRUBBING
- REMOVAL OF CURB AND GUTTER
- REMOVAL OF TREE
- REMOVAL OF CONCRETE PAVEMENT
- CONSTRUCTION LIMITS
- PARCEL LINES
- ROW

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REMOVAL PLANS

Designer: RRS
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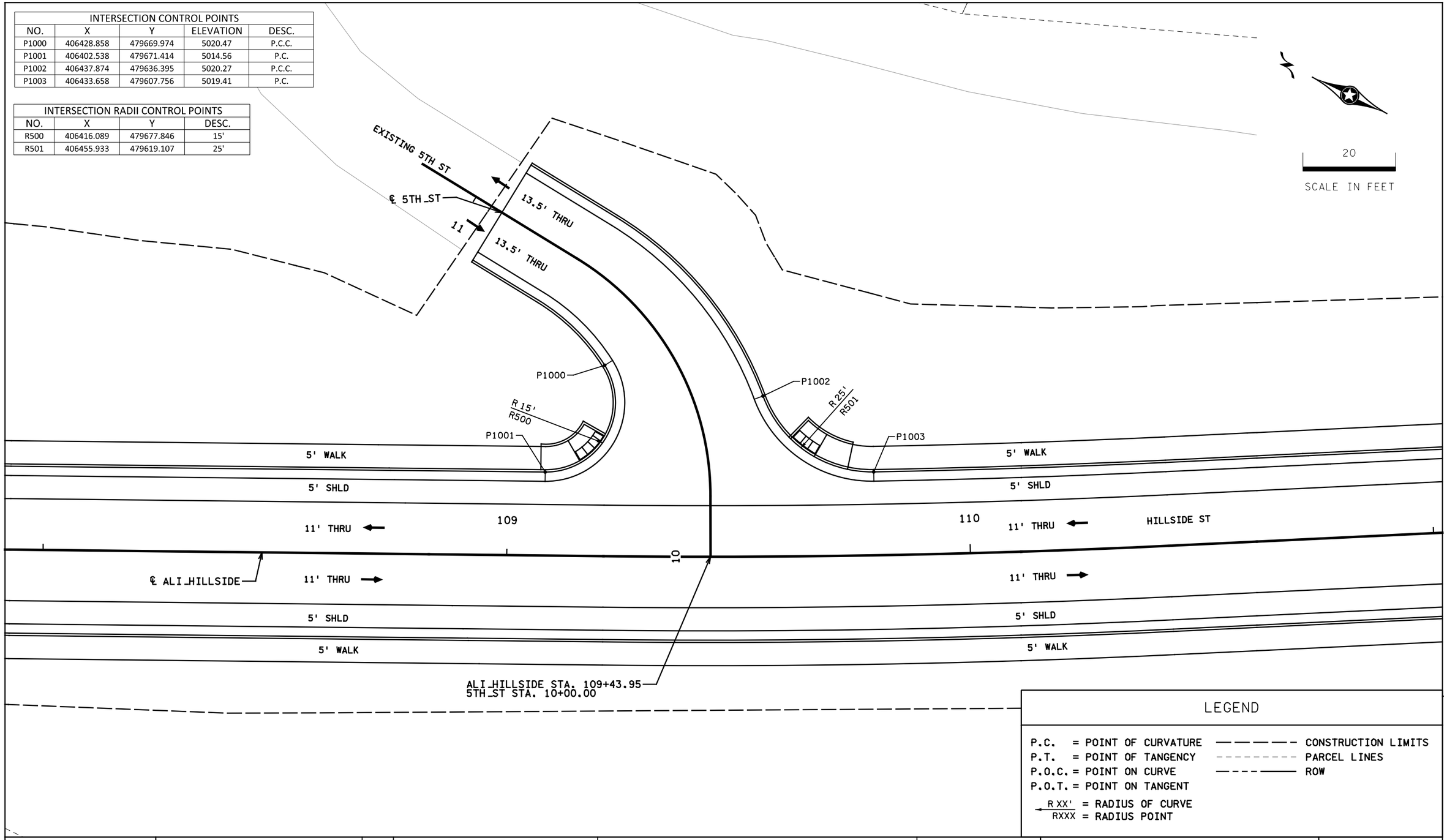
Sheet Subset: REM
Structure Numbers
Subset Sheets: 5 of 5

Project No./Code
C M315-008
24829
Sheet Number 22

INTERSECTION CONTROL POINTS				
NO.	X	Y	ELEVATION	DESC.
P1000	406428.858	479669.974	5020.47	P.C.C.
P1001	406402.538	479671.414	5014.56	P.C.
P1002	406437.874	479636.395	5020.27	P.C.C.
P1003	406433.658	479607.756	5019.41	P.C.

INTERSECTION RADII CONTROL POINTS			
NO.	X	Y	DESC.
R500	406416.089	479677.846	15'
R501	406455.933	479619.107	25'



LEGEND

P.C. = POINT OF CURVATURE
P.T. = POINT OF TANGENCY
P.O.C. = POINT ON CURVE
P.O.T. = POINT ON TANGENT
R XX' / RXXX = RADIUS OF CURVE / RADIUS POINT

CONSTRUCTION LIMITS
PARCEL LINES
ROW

Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
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Print Date: 8/29/2023
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INTERSECTION ALIGNMENT PLANS

Designer: RRS
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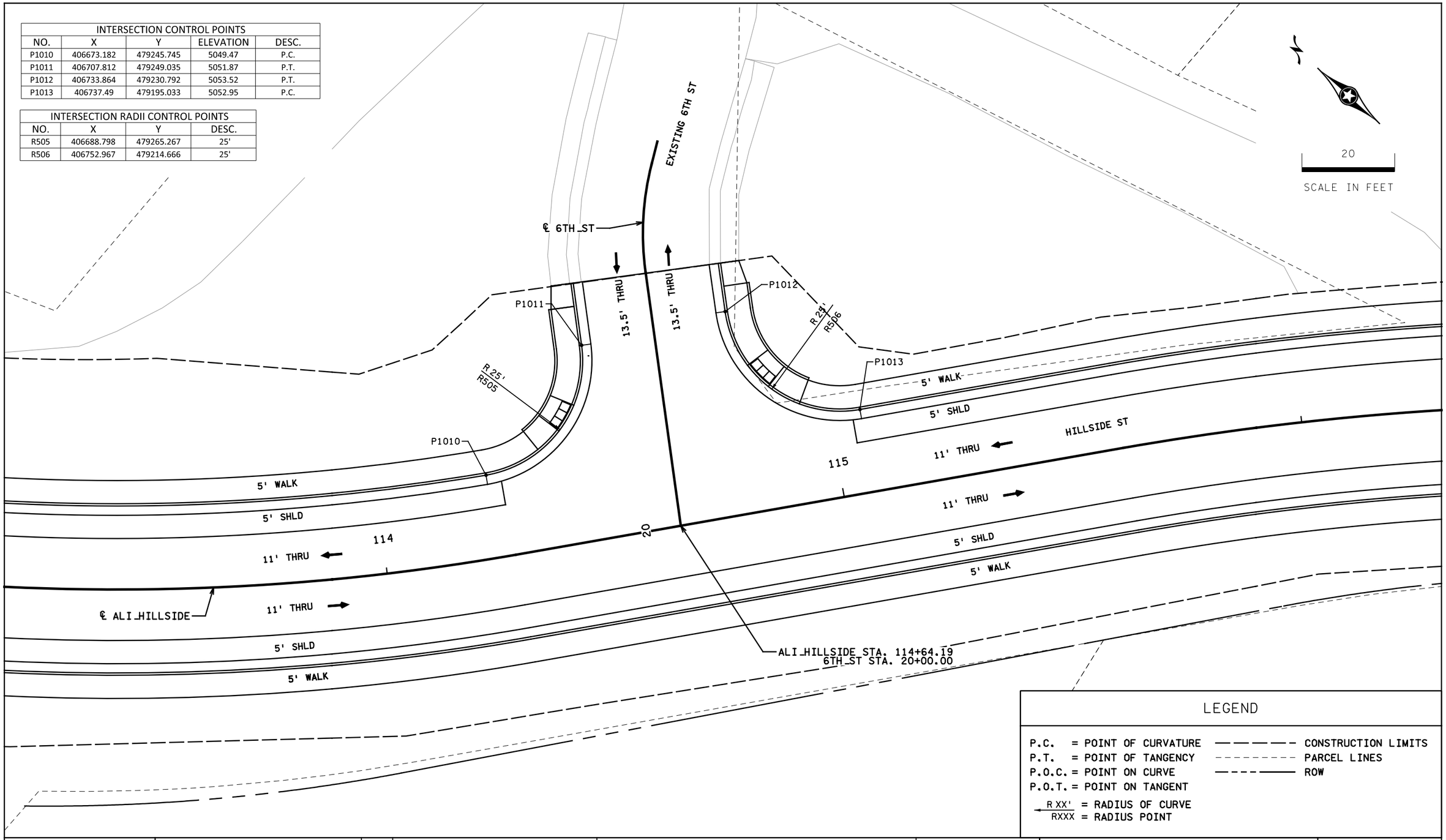
Sheet Subset:
Structure Numbers
Subset Sheets: 1 of 5

Project No./Code
C M315-008
24829
Sheet Number 23

INTERSECTION CONTROL POINTS				
NO.	X	Y	ELEVATION	DESC.
P1010	406673.182	479245.745	5049.47	P.C.
P1011	406707.812	479249.035	5051.87	P.T.
P1012	406733.864	479230.792	5053.52	P.T.
P1013	406737.49	479195.033	5052.95	P.C.

INTERSECTION RADII CONTROL POINTS			
NO.	X	Y	DESC.
R505	406688.798	479265.267	25'
R506	406752.967	479214.666	25'



LEGEND

P.C. = POINT OF CURVATURE
P.T. = POINT OF TANGENCY
P.O.C. = POINT ON CURVE
P.O.T. = POINT ON TANGENT
R XX' / RXXX = RADIUS OF CURVE / RADIUS POINT

CONSTRUCTION LIMITS
PARCEL LINES
ROW

Revision Dates (Preliminary Stage Only)

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INTERSECTION ALIGNMENT PLANS

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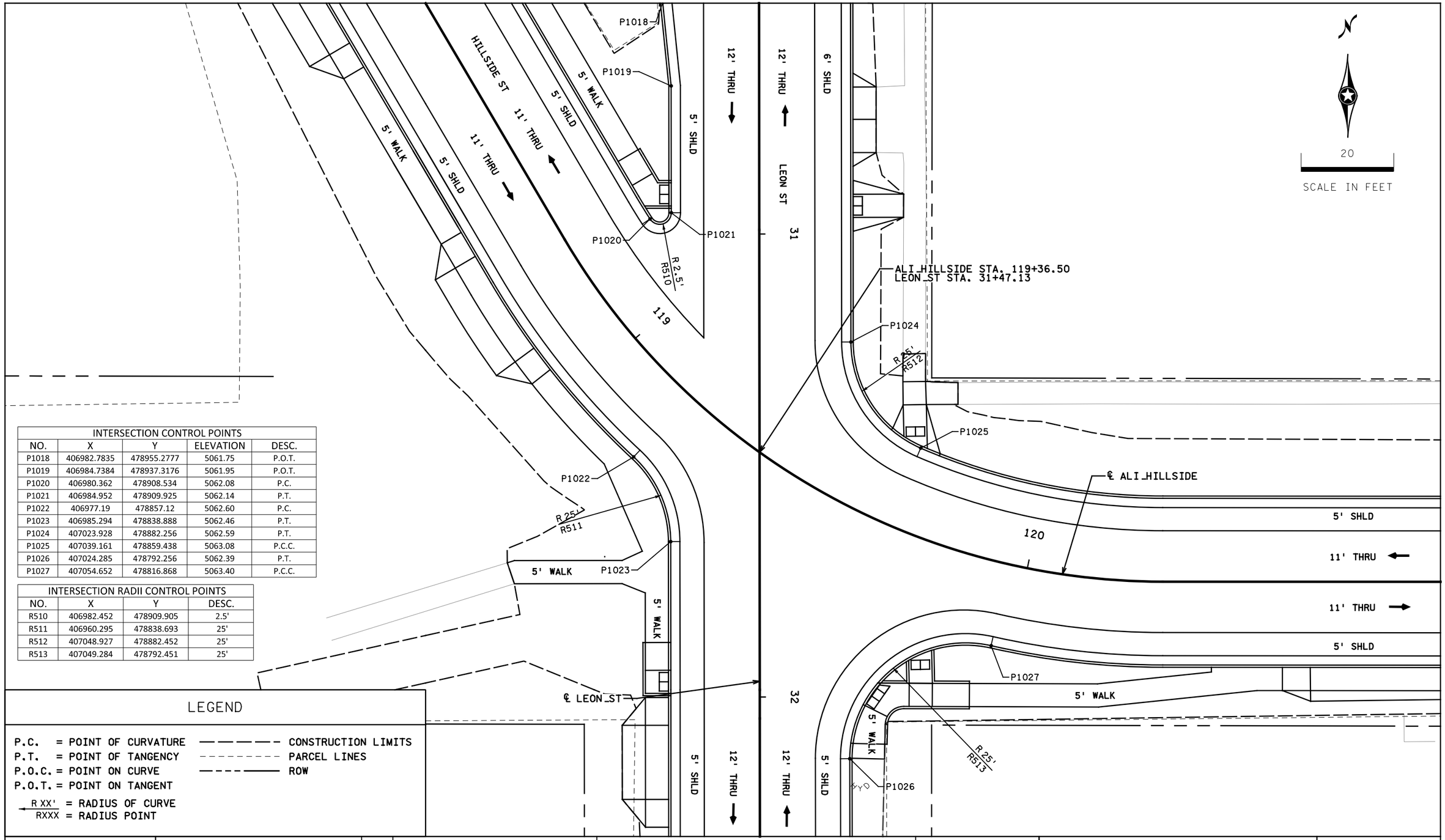
Sheet Subset:
Structure Numbers
Subset Sheets: 2 of 5

Project No./Code
C M315-008
24829
Sheet Number 24



INTERSECTION CONTROL POINTS				
NO.	X	Y	ELEVATION	DESC.
P1018	406982.7835	478955.2777	5061.75	P.O.T.
P1019	406984.7384	478937.3176	5061.95	P.O.T.
P1020	406980.362	478908.534	5062.08	P.C.
P1021	406984.952	478909.925	5062.14	P.T.
P1022	406977.19	478857.12	5062.60	P.C.
P1023	406985.294	478838.888	5062.46	P.T.
P1024	407023.928	478882.256	5062.59	P.T.
P1025	407039.161	478859.438	5063.08	P.C.C.
P1026	407024.285	478792.256	5062.39	P.T.
P1027	407054.652	478816.868	5063.40	P.C.C.

INTERSECTION RADII CONTROL POINTS			
NO.	X	Y	DESC.
R510	406982.452	478909.905	2.5'
R511	406960.295	478838.693	25'
R512	407048.927	478882.452	25'
R513	407049.284	478792.451	25'

LEGEND

P.C. = POINT OF CURVATURE
P.T. = POINT OF TANGENCY
P.O.C. = POINT ON CURVE
P.O.T. = POINT ON TANGENT
R XX' = RADIUS OF CURVE
RXXX = RADIUS POINT

CONSTRUCTION LIMITS
PARCEL LINES
ROW

Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
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File Name: 2204-00360RDWY_Int_AI_03.dgn
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Sheet Revisions

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INTERSECTION ALIGNMENT PLANS

Designer: RRS
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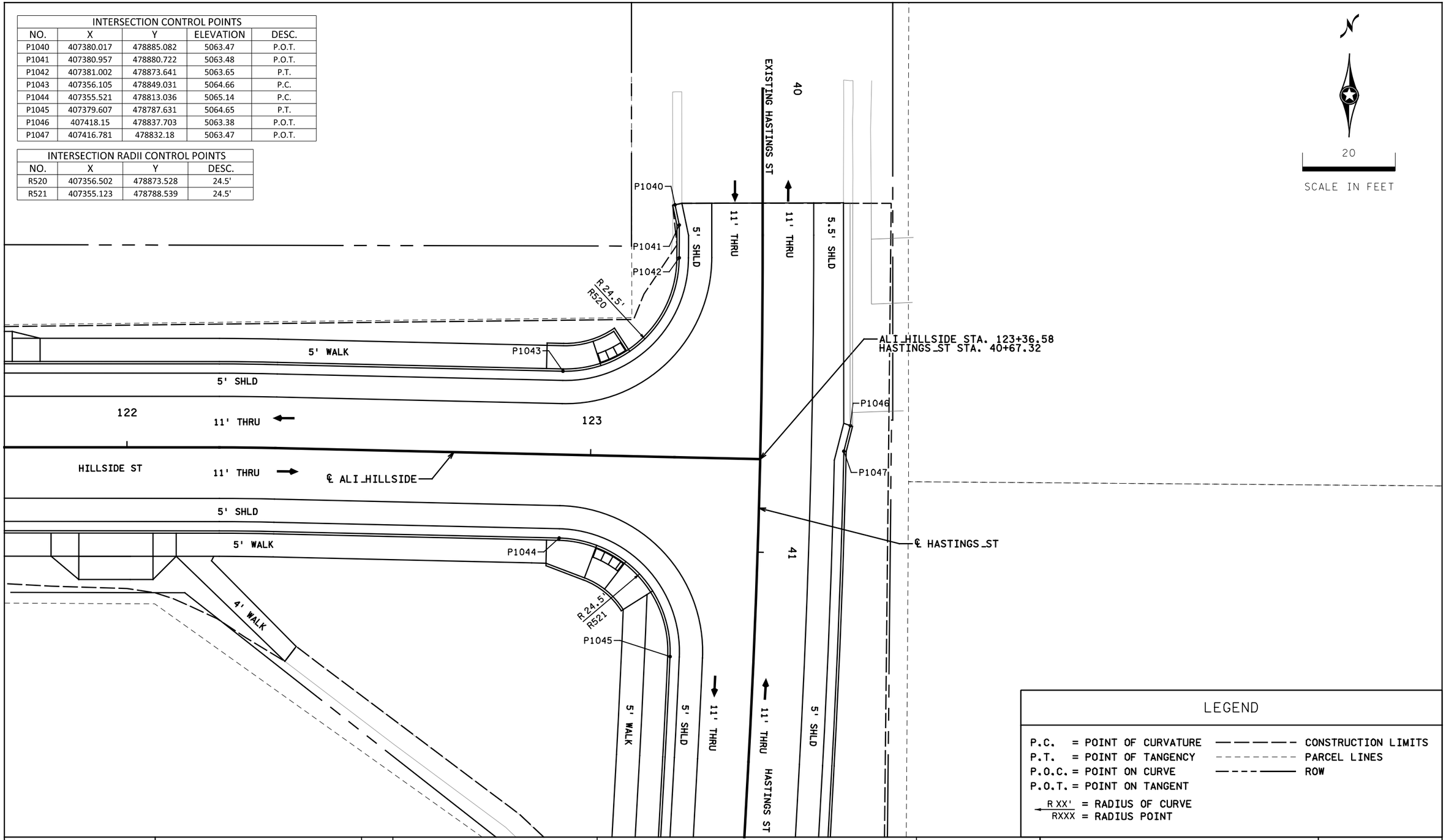
Sheet Subset:
Structure Numbers
Subset Sheets: 3 of 5

Project No./Code
C M315-008
24829
Sheet Number 25

INTERSECTION CONTROL POINTS				
NO.	X	Y	ELEVATION	DESC.
P1040	407380.017	478885.082	5063.47	P.O.T.
P1041	407380.957	478880.722	5063.48	P.O.T.
P1042	407381.002	478873.641	5063.65	P.T.
P1043	407356.105	478849.031	5064.66	P.C.
P1044	407355.521	478813.036	5065.14	P.C.
P1045	407379.607	478787.631	5064.65	P.T.
P1046	407418.15	478837.703	5063.38	P.O.T.
P1047	407416.781	478832.18	5063.47	P.O.T.

INTERSECTION RADII CONTROL POINTS			
NO.	X	Y	DESC.
R520	407356.502	478873.528	24.5'
R521	407355.123	478788.539	24.5'



LEGEND

P.C. = POINT OF CURVATURE
P.T. = POINT OF TANGENCY
P.O.C. = POINT ON CURVE
P.O.T. = POINT ON TANGENT
R XX' / RXXX = RADIUS OF CURVE, RADIUS POINT

CONSTRUCTION LIMITS
PARCEL LINES
ROW

Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
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Print Date: 8/29/2023
File Name: 2204-00360RDWY_Int_AI_04.dgn
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INTERSECTION ALIGNMENT PLANS

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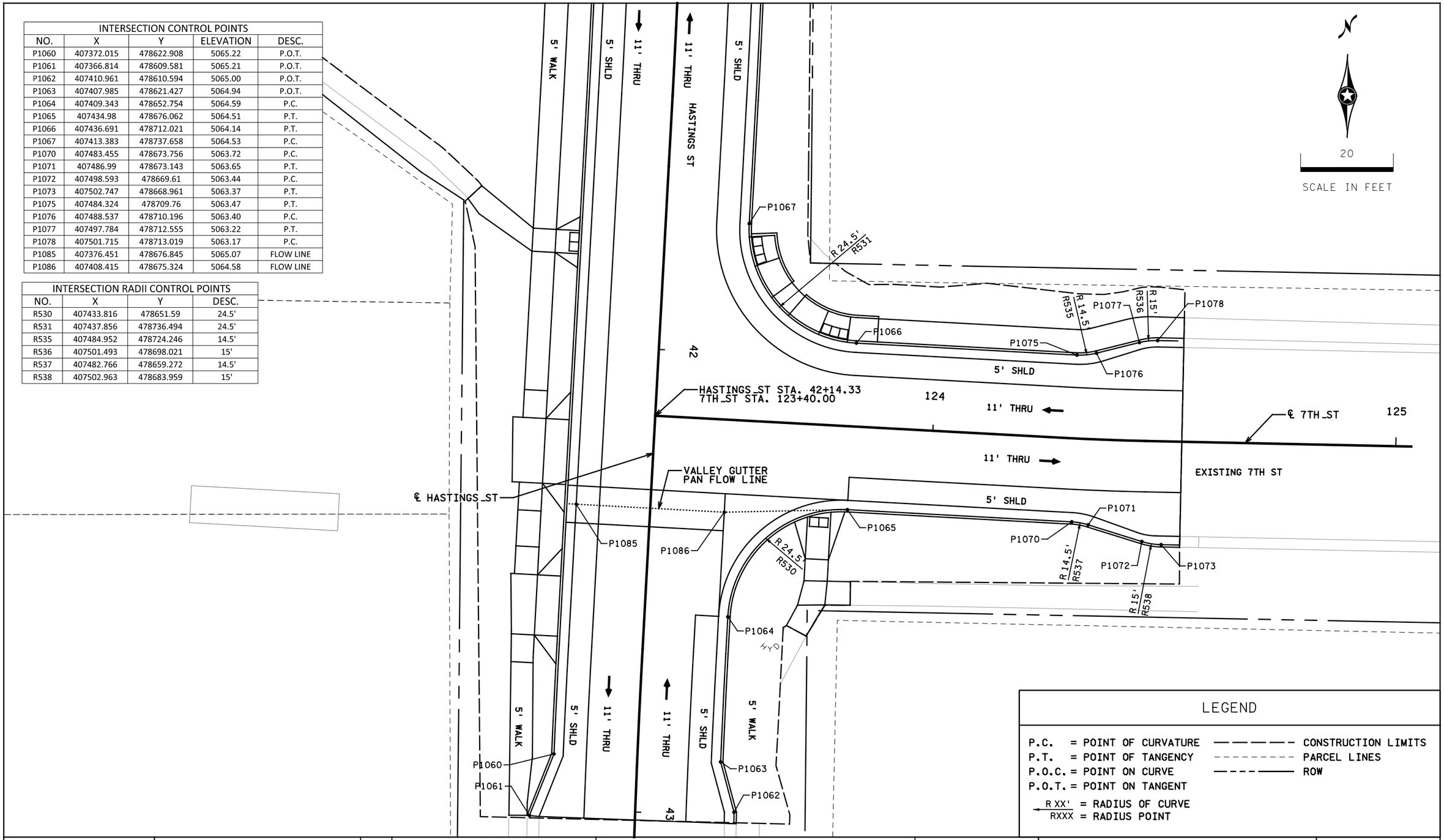
Structure Numbers
Subset Sheets: 4 of 5

Project No./Code
C M315-008
24829
Sheet Number 26

$PLOT_INFO$

INTERSECTION CONTROL POINTS				
NO.	X	Y	ELEVATION	DESC.
P1060	407372.015	478622.908	5065.22	P.O.T.
P1061	407366.814	478609.581	5065.21	P.O.T.
P1062	407410.961	478610.594	5065.00	P.O.T.
P1063	407407.985	478621.427	5064.94	P.O.T.
P1064	407409.343	478652.754	5064.59	P.C.
P1065	407434.98	478676.062	5064.51	P.T.
P1066	407436.691	478712.021	5064.14	P.T.
P1067	407413.383	478737.658	5064.53	P.C.
P1070	407483.455	478673.756	5063.72	P.C.
P1071	407486.99	478673.143	5063.65	P.T.
P1072	407498.593	478669.61	5063.44	P.C.
P1073	407502.747	478668.961	5063.37	P.T.
P1075	407484.324	478709.76	5063.47	P.T.
P1076	407488.537	478710.196	5063.40	P.C.
P1077	407497.784	478712.555	5063.22	P.T.
P1078	407501.715	478713.019	5063.17	P.C.
P1085	407376.451	478676.845	5065.07	FLOW LINE
P1086	407408.415	478675.324	5064.58	FLOW LINE

INTERSECTION RADII CONTROL POINTS			
NO.	X	Y	DESC.
R530	407433.816	478651.59	24.5'
R531	407437.856	478736.494	24.5'
R535	407484.952	478724.246	14.5'
R536	407501.493	478698.021	15'
R537	407482.766	478659.272	14.5'
R538	407502.963	478683.959	15'



LEGEND

P.C. = POINT OF CURVATURE
P.T. = POINT OF TANGENCY
P.O.C. = POINT ON CURVE
P.O.T. = POINT ON TANGENT
R XX' / RXXX = RADIUS OF CURVE / RADIUS POINT

CONSTRUCTION LIMITS
PARCEL LINES
ROW

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INTERSECTION ALIGNMENT PLANS

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Structure Numbers
Subset Sheets: 5 of 5

Project No./Code
C M315-008
24829
Sheet Number 27

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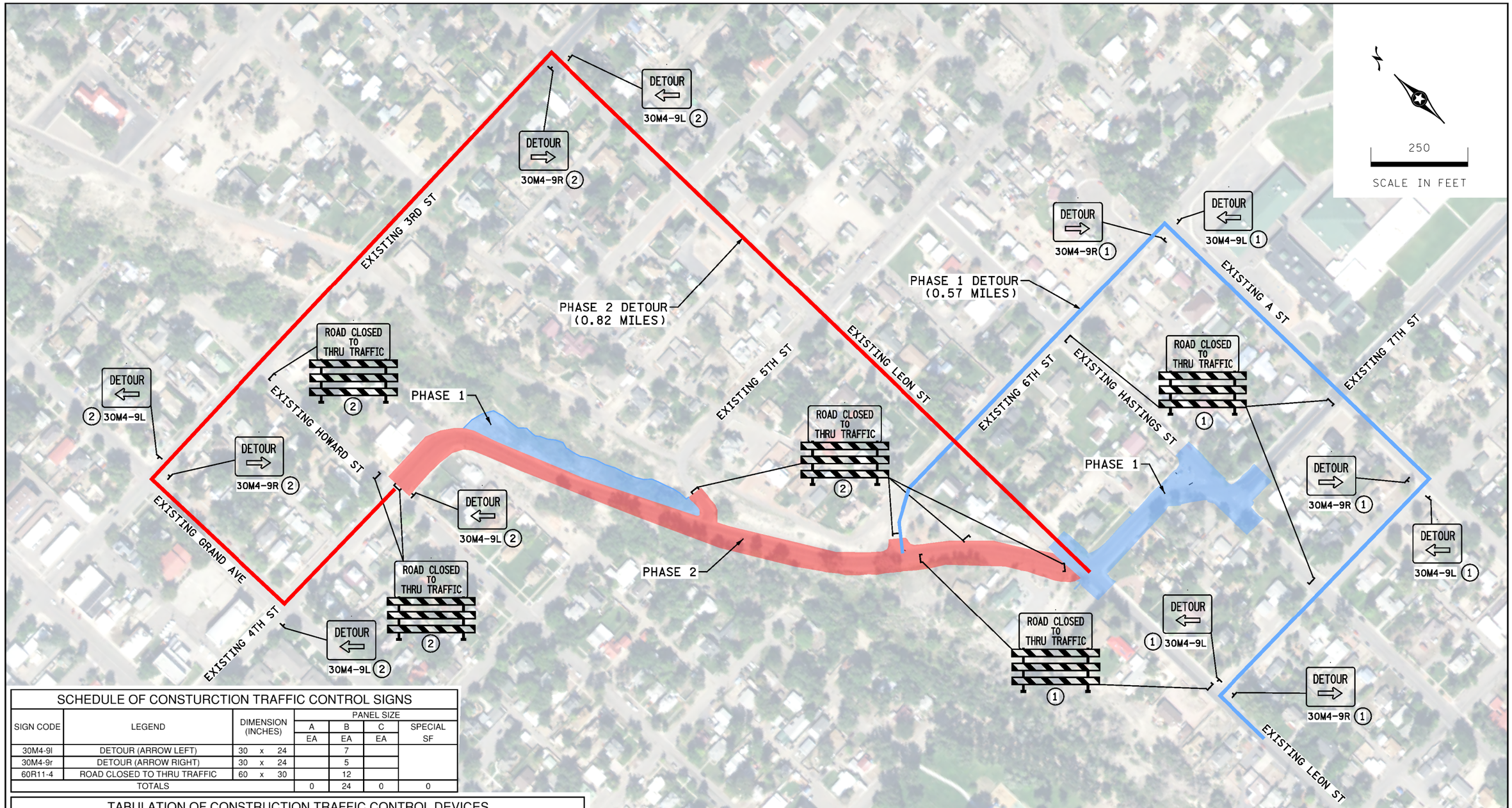

SCHEDULE OF CONSTURCTION TRAFFIC CONTROL SIGNS							
SIGN CODE	LEGEND	DIMENSION (INCHES)	PANEL SIZE				
			A	B	C	SPECIAL	
			EA	EA	EA	SF	
30M4-9l	DETOUR (ARROW LEFT)	30 x 24		7			
30M4-9r	DETOUR (ARROW RIGHT)	30 x 24		5			
60R11-4	ROAD CLOSED TO THRU TRAFFIC	60 x 30		12			
TOTALS			0	24	0	0	

TABULATION OF CONSTRUCTION TRAFFIC CONTROL DEVICES			
ITEM NUMBER	TRAFFIC ITEMS	QUANTITY	UNIT
630-80335	BARRICADE (TYPE 3M-A) TEMPORARY	12	EACH
630-80342	CONSTRUCTION TRAFFIC SIGN PANEL (SIZE B)	24	EACH

SPECIFIC NOTES:

1. PLACE PRIOR TO START OF PHASE 1 AND REMOVE AFTER COMPLETION OF PHASE 1.
2. PLACE PRIOR TO START OF PHASE 2 AND REMOVE AFTER COMPLETION OF PHASE 2.

LEGEND

- PHASE 1: SEPTEMBER 1, 2023 THROUGH MARCH 1, 2023
- PHASE 2: MARCH 2, 2024 THROUGH AUGUST 15, 2024

Print Date: 8/10/2023
File Name: 2204-00360DETOUR_01.dgn
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TRAFFIC CONTROL DETOUR PLAN

Designer: RRS
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Sheet Subset: TRAF
Structure Numbers:
Subset Sheets: 1 of 1

Project No./Code
C M315-008
24829
Sheet Number 28

$PLOT_INFO$

CONDE

CONCRETE DRIVEWAY ENTRANCE TYPE 3

CONCRETE DRIVEWAY ENTRANCE TYPE 1

+66.81

+56.23

+17.44

+00.20

PONTOW FAMILY TRUST

5' WALK

5' SHLD

11' THRU

11' THRU

5' SHLD

5' WALK

HILLSIDE ST

105

℄ ALI_HILLSIDE

MATCHLINE - HILLSIDE ST (ALI_HILLSIDE) STA. 105+50.00

40

SCALE IN FEET

TYPE 1 PERPENDICULAR RAMP

1

+83.07

ADRIO

1:10

EXISTING HOWARD ST

VAR. SHLD

11' THRU

11' THRU

VAR. SHLD

5' WALK

+15.58

BUSH

2

SIMINEO

JOLLY

100

EXISTING 4TH ST

BEGIN RECONSTRUCTION
ALI_HILLSIDE STA. 100+63.07

SPECIFIC NOTES:

1. PROPOSED GREEN SPACE. SEE LANDSCAPING PLANS FOR DETAILS.
2. USE T-LOCK PAVEMENT JOINT TO TIE INTO EXISTING PAVEMENT.SEE ROADWAY DETAILS FOR MORE INFORMATION.

LEGEND

- BITUMINOUS PAVEMENT (RECONSTRUCTION)
- BITUMINOUS PAVEMENT (MILL & OVERLAY)
- CURB & GUTTER
- CONCRETE SIDEWALK
- CONCRETE PAVEMENT (6 INCH)
- GUTTER TYPE 2 (8 FOOT)
- CONSTRUCTION LIMITS
- PARCEL LINES
- ROW

Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
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Print Date: 8/29/2023
File Name: 2204-00360RDWY_Plan_01.dgn
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Unit Information Unit Leader RRS

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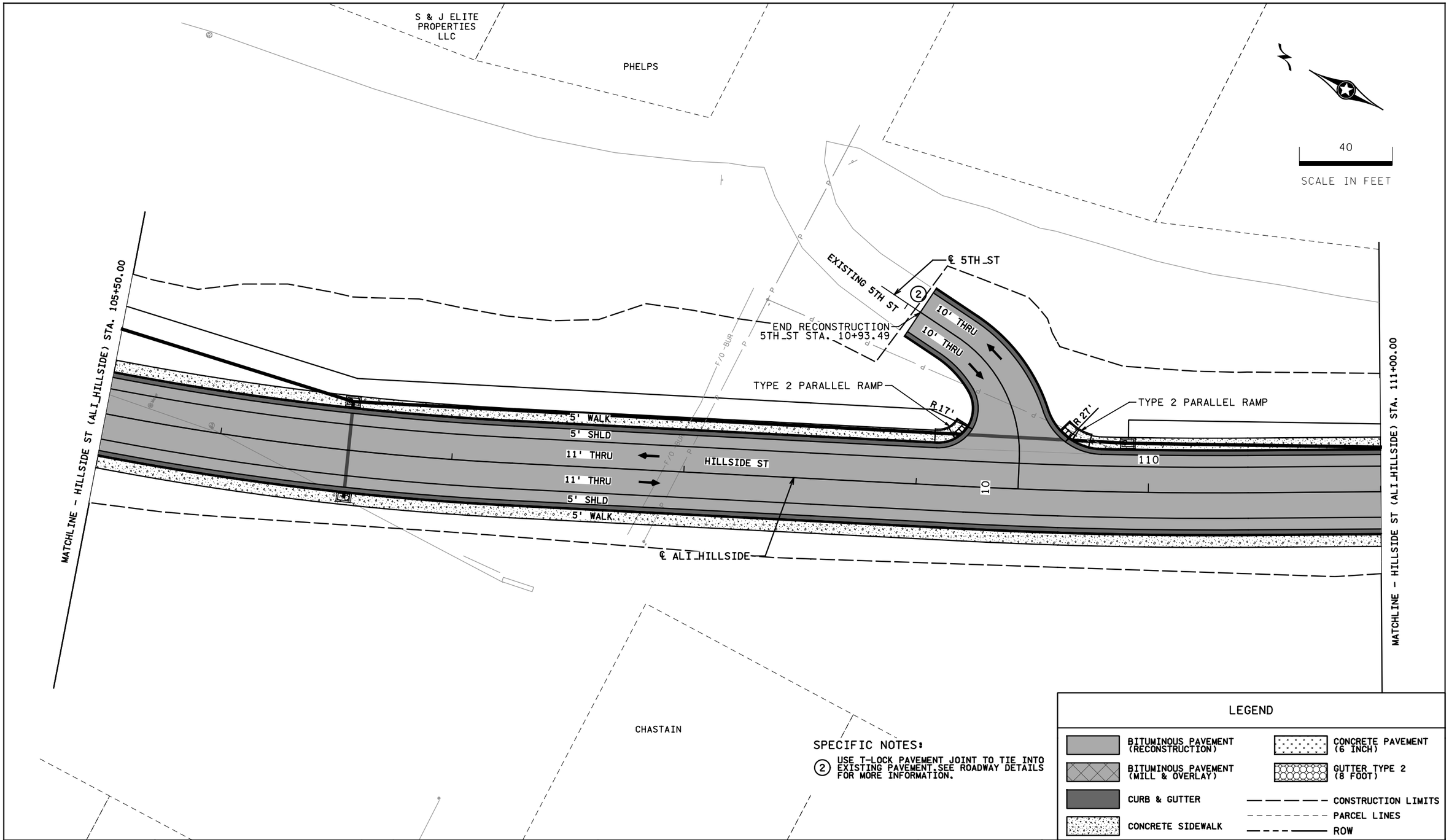
ROADWAY PLAN

Designer: RRS
Detailer: MDG
Sheet Subset: CONST
Structure Numbers
Subset Sheets: 1 of 5

Project No./Code
C M315-008
24829
Sheet Number 29



SPECIFIC NOTES:

② USE T-LOCK PAVEMENT JOINT TO TIE INTO EXISTING PAVEMENT.SEE ROADWAY DETAILS FOR MORE INFORMATION.

LEGEND

- BITUMINOUS PAVEMENT (RECONSTRUCTION)
- BITUMINOUS PAVEMENT (MILL & OVERLAY)
- CURB & GUTTER
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Print Date: 8/29/2023
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Unit Information Unit Leader RRS

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ROADWAY PLANS

Designer: RRS
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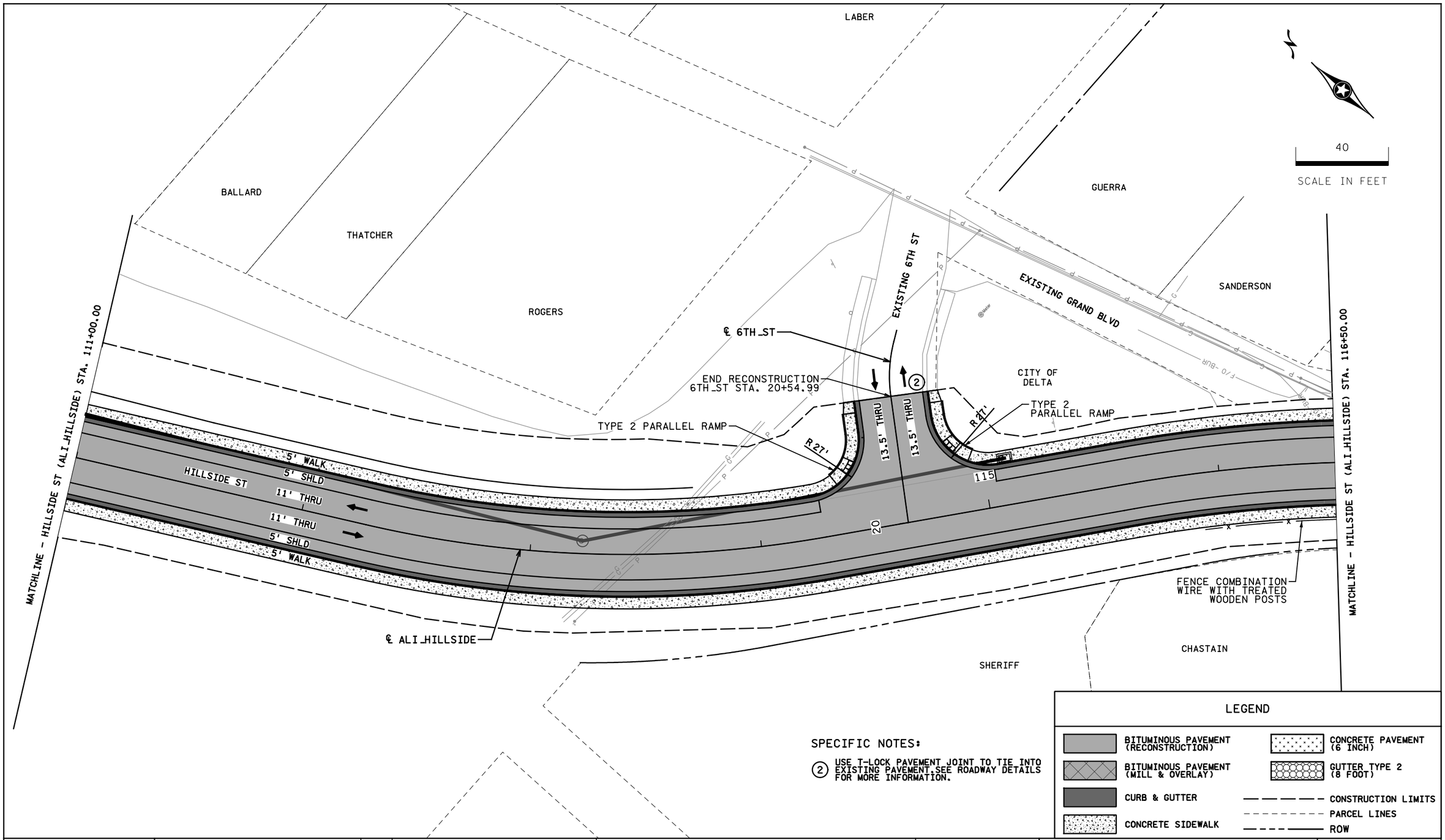
Structure Numbers
Subset Sheets: 2 of 5

Project No./Code
C M315-008
24829
Sheet Number 30



SPECIFIC NOTES:

② USE T-LOCK PAVEMENT JOINT TO TIE INTO EXISTING PAVEMENT. SEE ROADWAY DETAILS FOR MORE INFORMATION.

LEGEND

- BITUMINOUS PAVEMENT (RECONSTRUCTION)
- BITUMINOUS PAVEMENT (MILL & OVERLAY)
- CURB & GUTTER
- CONCRETE SIDEWALK
- CONCRETE PAVEMENT (6 INCH)
- GUTTER TYPE 2 (8 FOOT)
- CONSTRUCTION LIMITS
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- ROW

Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
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Print Date: 8/29/2023
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ROADWAY PLAN

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Sheet Subset: CONST
Structure Numbers
Subset Sheets: 3 of 5

Project No./Code
C M315-008
24829
Sheet Number 31

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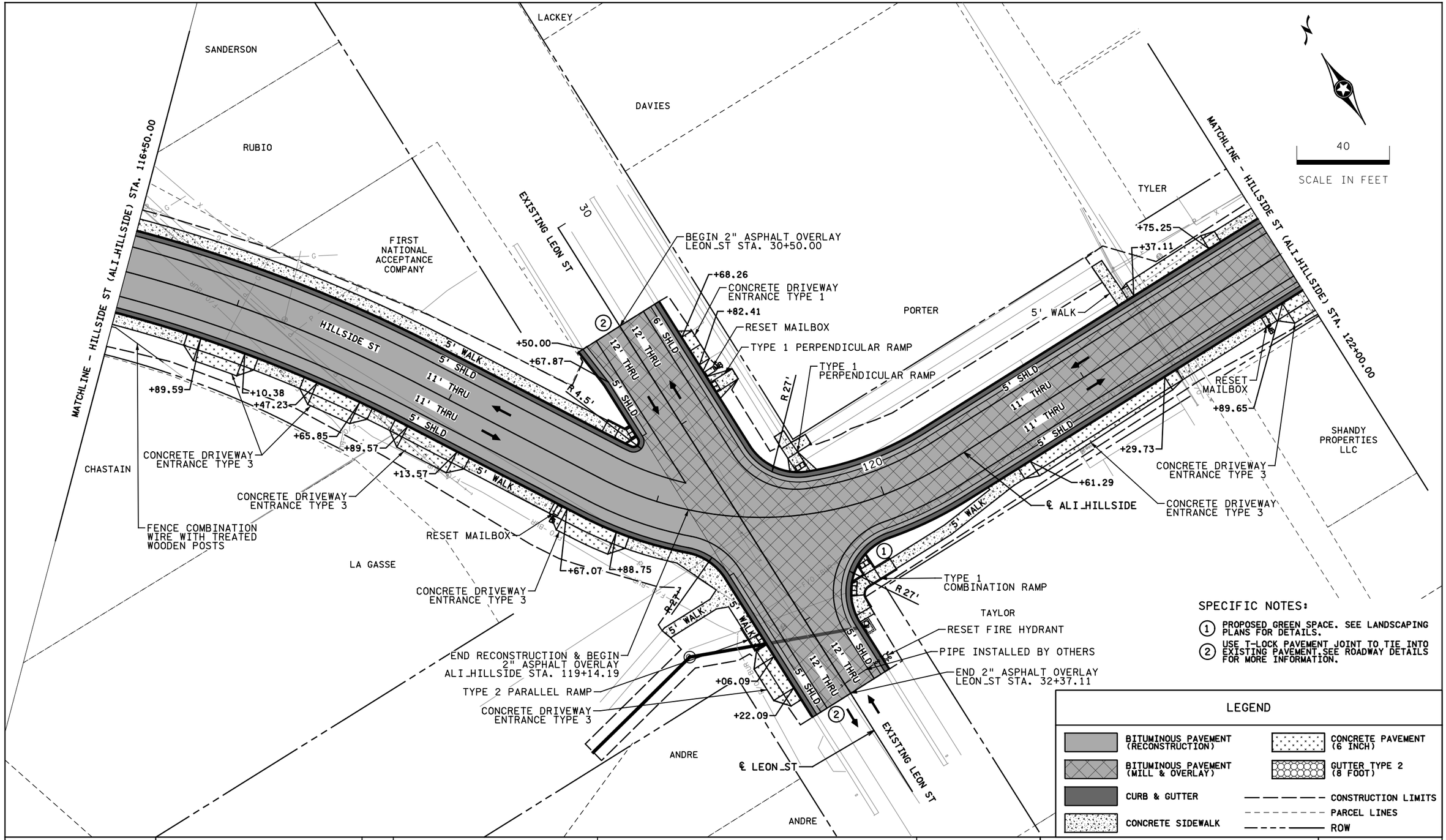

SPECIFIC NOTES:

1. PROPOSED GREEN SPACE. SEE LANDSCAPING PLANS FOR DETAILS.
2. USE T-LOCK PAVEMENT JOINT TO TIE INTO EXISTING PAVEMENT.SEE ROADWAY DETAILS FOR MORE INFORMATION.

LEGEND

- BITUMINOUS PAVEMENT (RECONSTRUCTION)
- BITUMINOUS PAVEMENT (MILL & OVERLAY)
- CURB & GUTTER
- CONCRETE SIDEWALK
- CONCRETE PAVEMENT (6 INCH)
- GUTTER TYPE 2 (8 FOOT)
- CONSTRUCTION LIMITS
- PARCEL LINES
- ROW

Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
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Print Date: 8/29/2023
File Name: 2204-00360RDWY_Plan_04.dgn
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Unit Information Unit Leader RRS

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ROADWAY PLAN

Designer: RRS
Detailer: MDG
Sheet Subset: CONST
Structure Numbers
Subset Sheets: 4 of 5

Project No./Code
C M315-008
24829
Sheet Number 32

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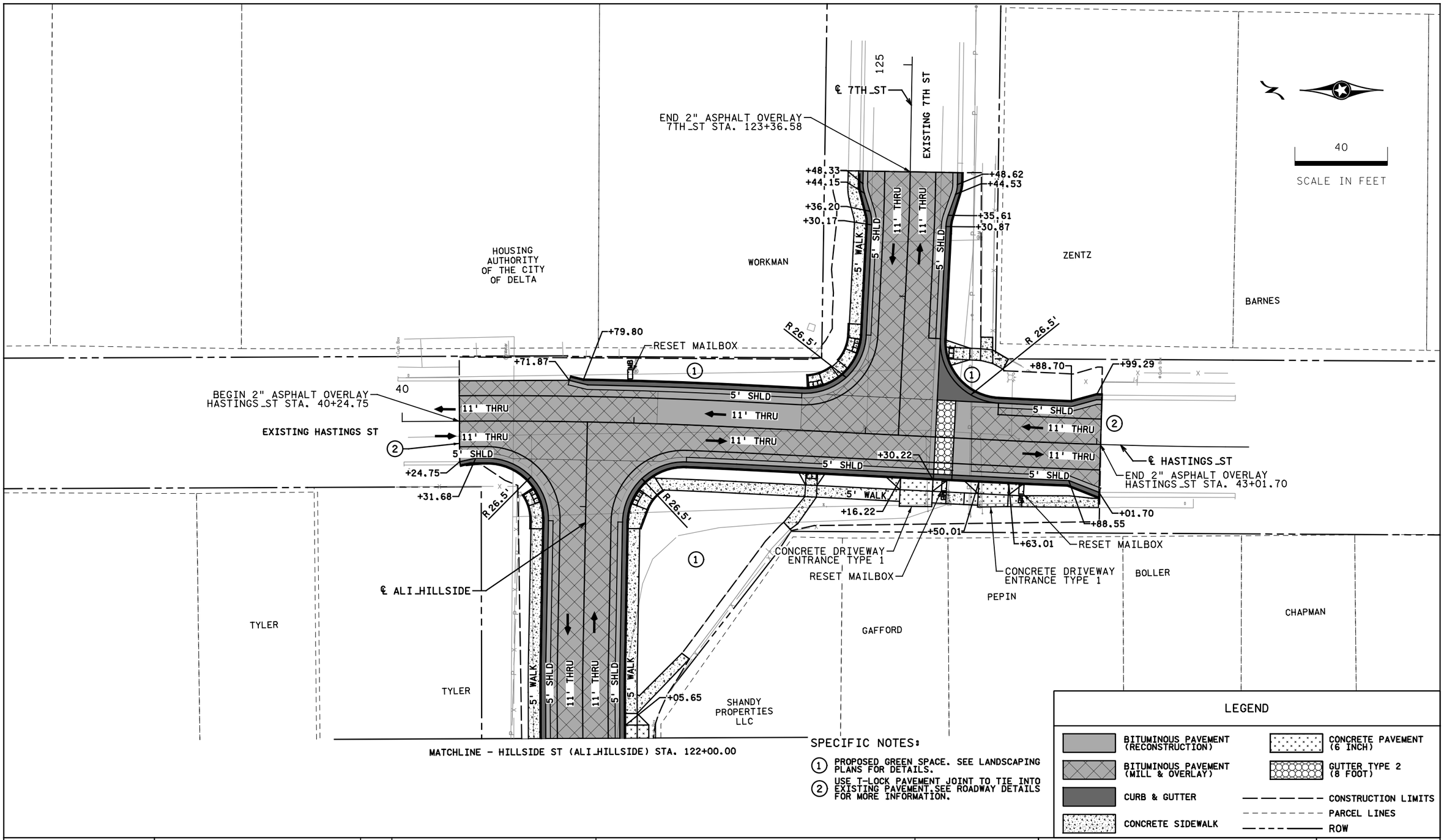

SPECIFIC NOTES:

1. PROPOSED GREEN SPACE. SEE LANDSCAPING PLANS FOR DETAILS.
2. USE T-LOCK PAVEMENT JOINT TO TIE INTO EXISTING PAVEMENT.SEE ROADWAY DETAILS FOR MORE INFORMATION.

LEGEND

- BITUMINOUS PAVEMENT (RECONSTRUCTION)
- BITUMINOUS PAVEMENT (MILL & OVERLAY)
- CURB & GUTTER
- CONCRETE SIDEWALK
- CONCRETE PAVEMENT (6 INCH)
- GUTTER TYPE 2 (8 FOOT)
- CONSTRUCTION LIMITS
- PARCEL LINES
- ROW

Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
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Print Date: 8/29/2023
File Name: 2204-00360RDWY_Plan_05.dgn
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ROADWAY PLAN

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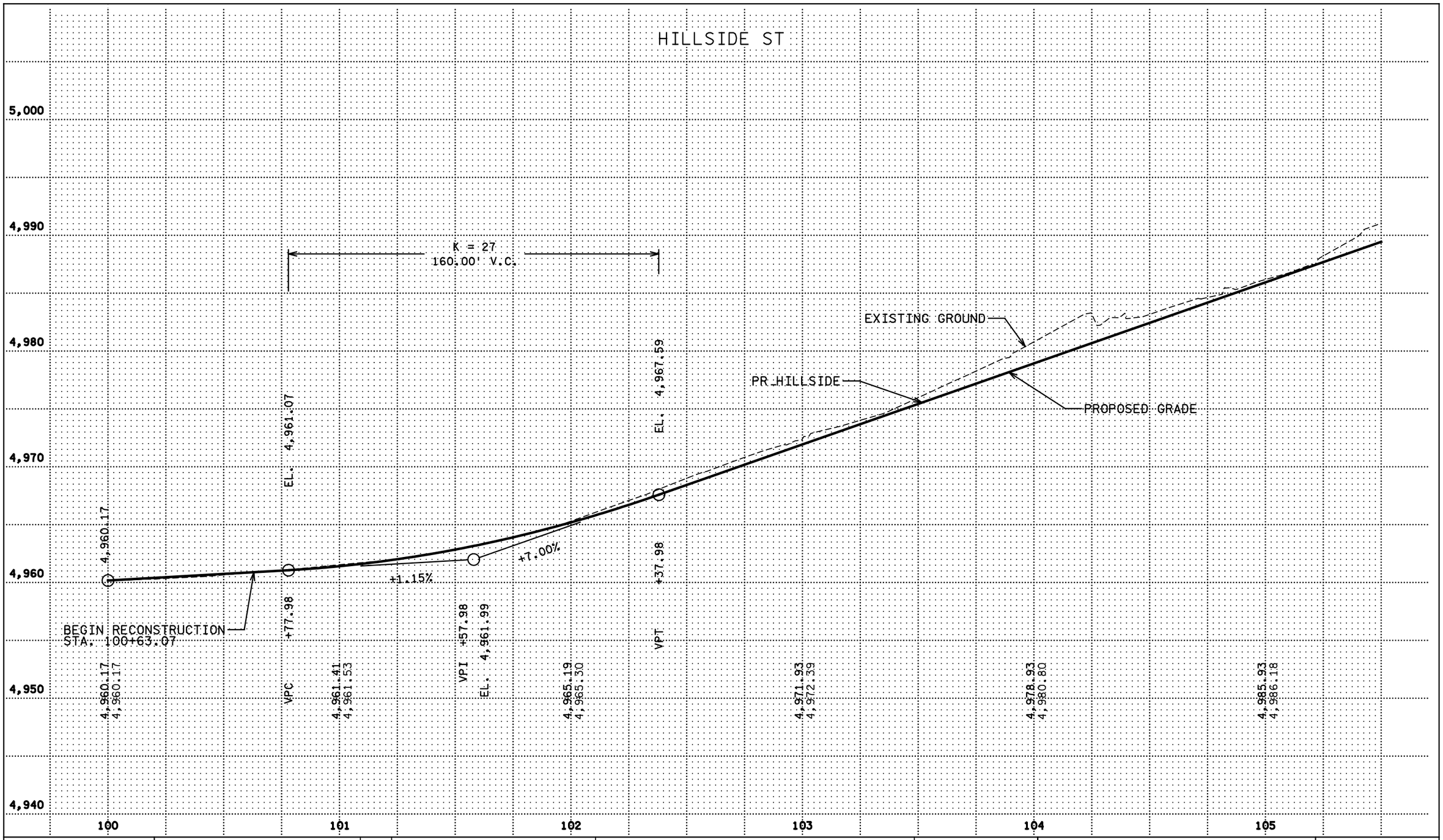
Sheet Subset: CONST
Structure Numbers
Subset Sheets: 5 of 5

Project No./Code
C M315-008
24829
Sheet Number 33

HILLSIDE ST



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Date:	Comments	Init.

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ROADWAY PROFILES

Designer: RRS
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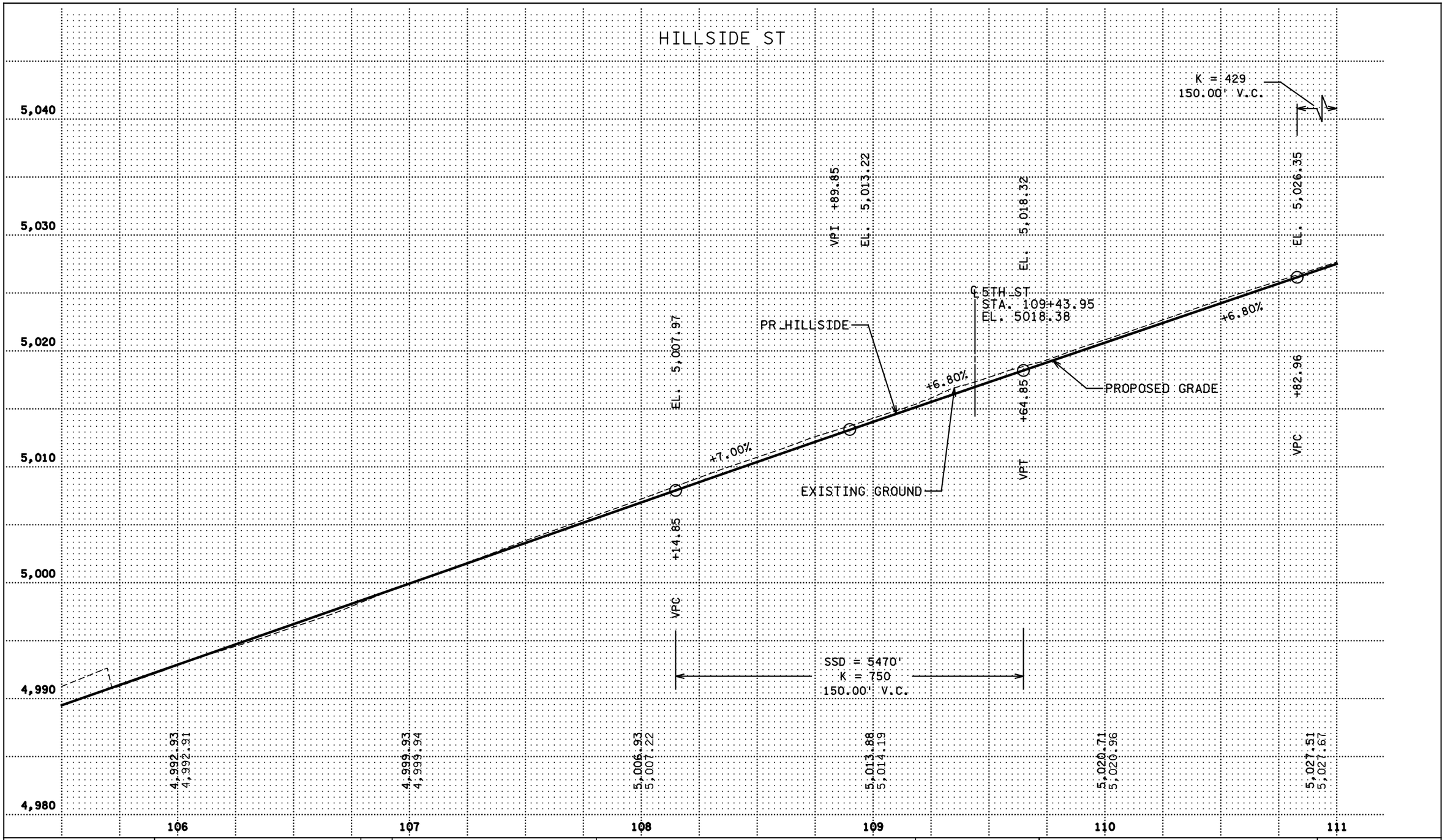
Structure Numbers
Subset Sheets: 1 of 6

Project No./Code
C M315-008
24829
Sheet Number 34

HILLSIDE ST



Revision Dates (Preliminary Stage Only)

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Checked By						

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Print Date: 6/29/2023
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Date:	Comments	Init.

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Designer: RRS
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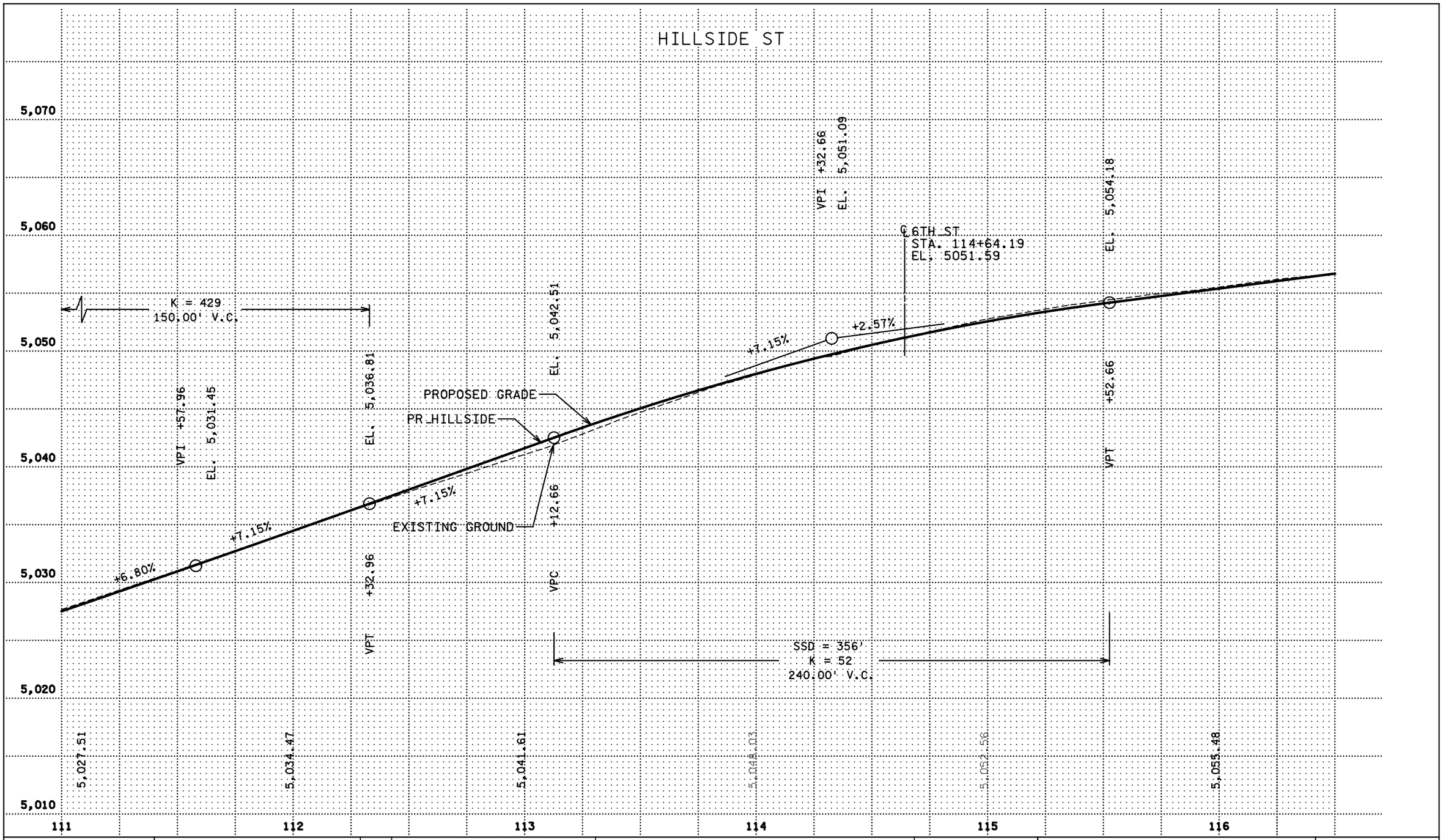
Structure Numbers
Subset Sheets: 2 of 6

Project No./Code
C M315-008
24829
Sheet Number 35

HILLSIDE ST



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Date:	Comments	Init.

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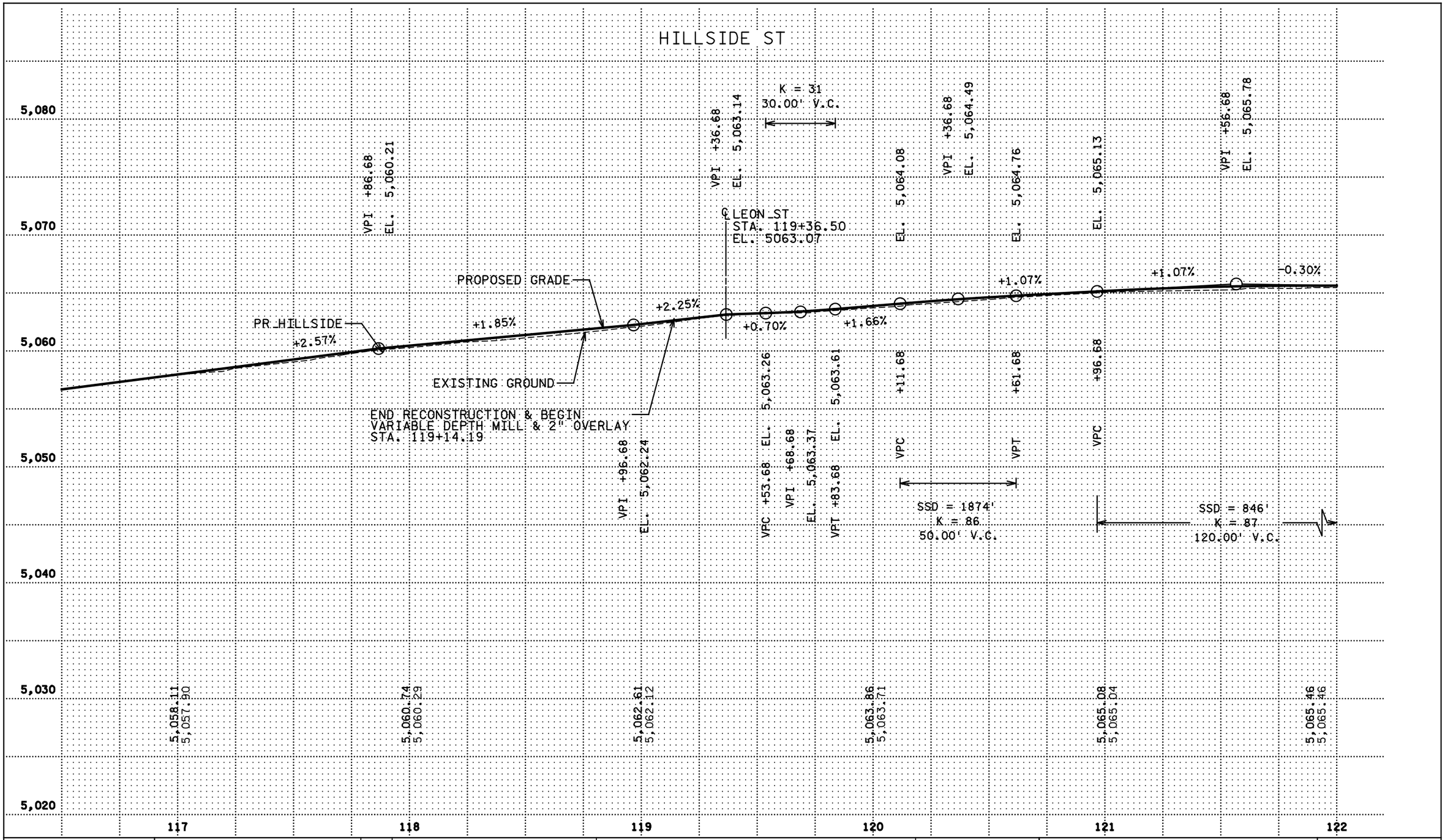
Designer: RRS
Detailer: MDG
Sheet Subset: PROFILE
Structure Numbers
Subset Sheets: 3 of 6

Project No./Code
C M315-008
24829
Sheet Number 36

HILLSIDE ST



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CITY OF DELTA EST. 1882

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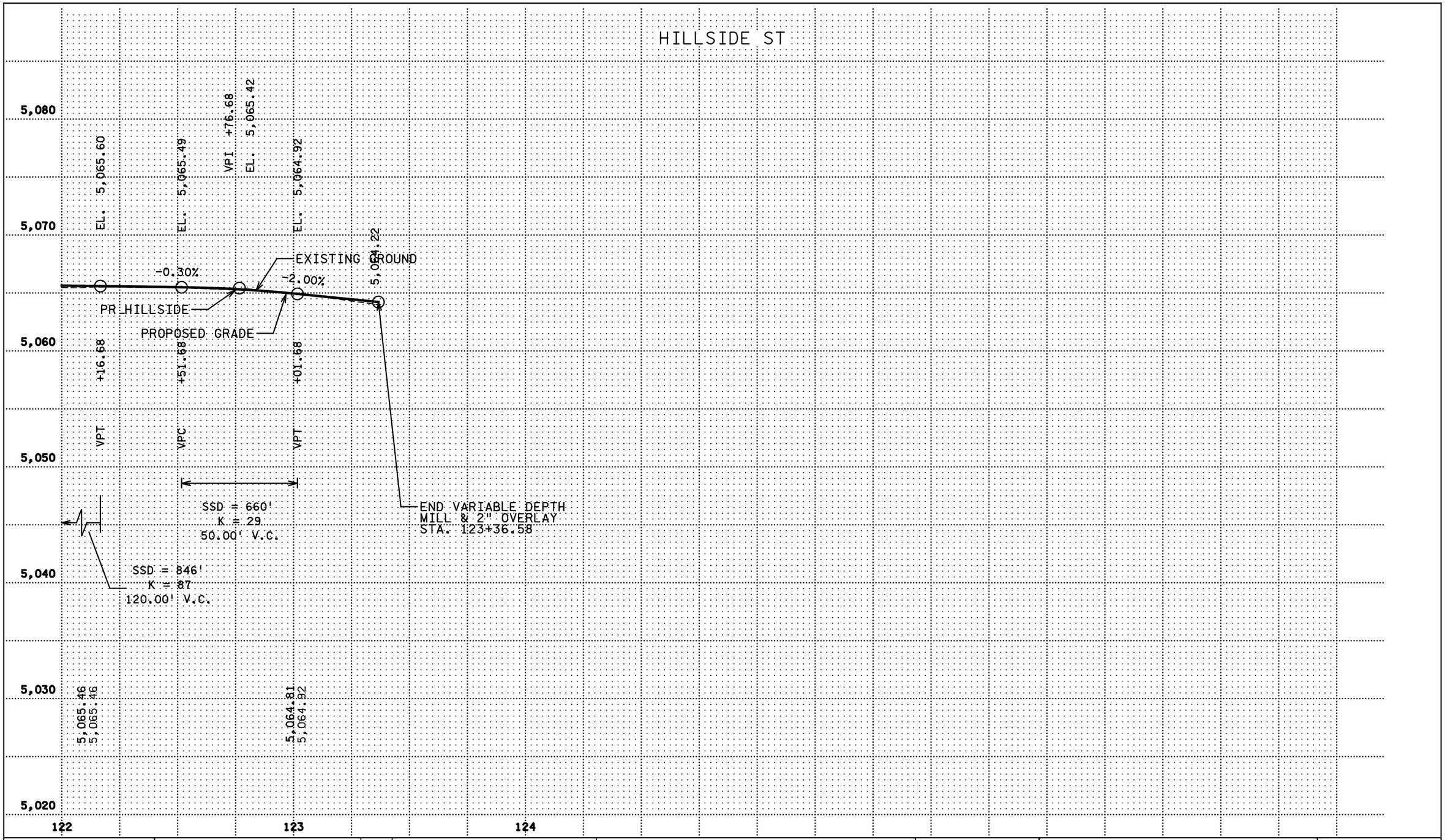
Sheet Subset: PROFILE
Structure Numbers
Subset Sheets: 4 of 6

Project No./Code

C M315-008
24829
Sheet Number 37

HILLSIDE ST



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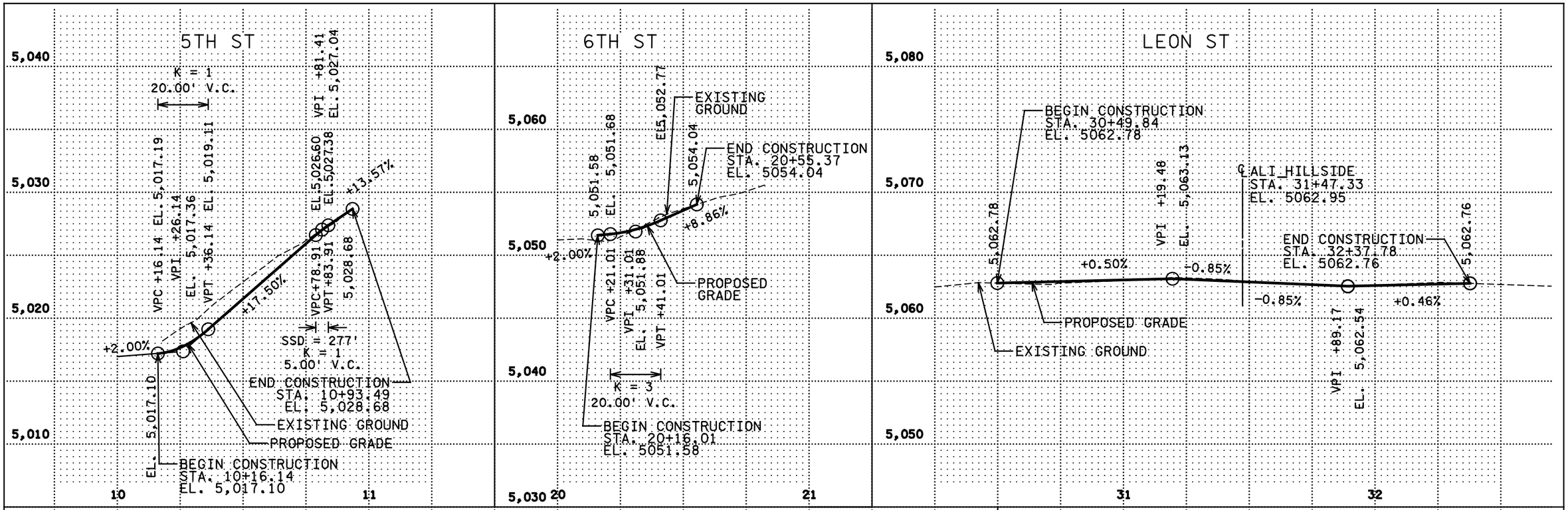
ROADWAY PROFILES

Designer: RRS
Detailer: MDG
Sheet Subset: PROFILE
Structure Numbers
Subset Sheets: 5 of 6

Project No./Code
C M315-008
24829
Sheet Number 38



Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
Checked By						

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Print Date: 6/29/2023	Sheet Revisions		
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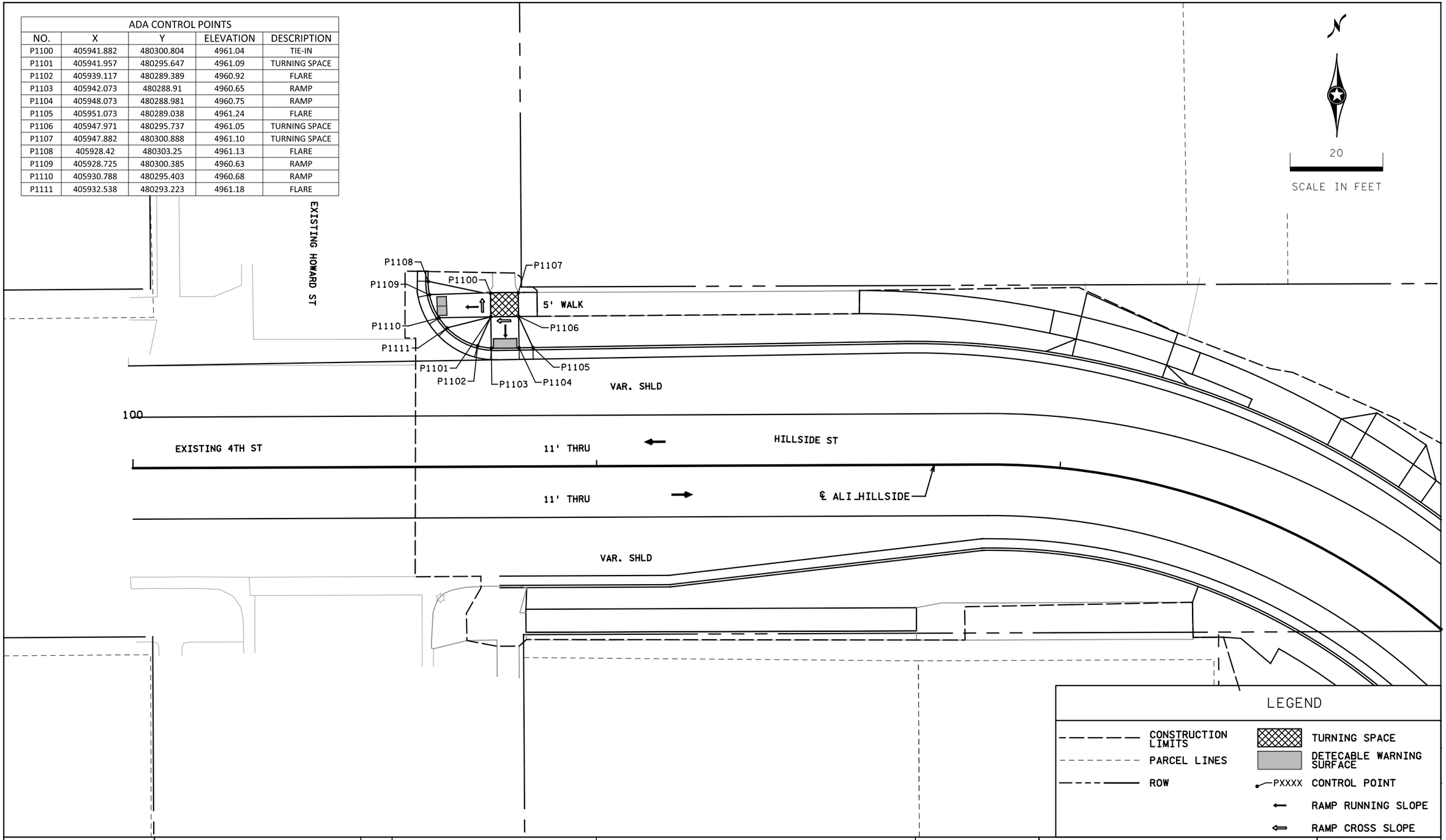
Horiz. Scale: 100 Vert. Scale: 50			
Unit Information Unit Leader RRS			
1601 RIVERFRONT DRIVE, SUITE 204 GRAND JUNCTION, CO 81501 970-450-7474 KLJ			

As Constructed	ROADWAY PROFILES		Project No./Code
No Revisions:			C M315-008
Revised:	Designer: RRS	Structure Numbers	24829
Void:	Detailer: MDG		Sheet Number 39
	Sheet Subset: PROFILE	Subset Sheets: 6 of 6	

ADA CONTROL POINTS				
NO.	X	Y	ELEVATION	DESCRIPTION
P1100	405941.882	480300.804	4961.04	TIE-IN
P1101	405941.957	480295.647	4961.09	TURNING SPACE
P1102	405939.117	480289.389	4960.92	FLARE
P1103	405942.073	480288.91	4960.65	RAMP
P1104	405948.073	480288.981	4960.75	RAMP
P1105	405951.073	480289.038	4961.24	FLARE
P1106	405947.971	480295.737	4961.05	TURNING SPACE
P1107	405947.882	480300.888	4961.10	TURNING SPACE
P1108	405928.42	480303.25	4961.13	FLARE
P1109	405928.725	480300.385	4960.63	RAMP
P1110	405930.788	480295.403	4960.68	RAMP
P1111	405932.538	480293.223	4961.18	FLARE



Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
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$PLOT_INFO$

Print Date: 8/29/2023
File Name: 2204-00360RDWY_ADA_01.dgn
Horiz. Scale: 20 Vert. Scale: N/A
Unit Information Unit Leader RRS

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Sheet Revisions

Date:	Comments	Init.

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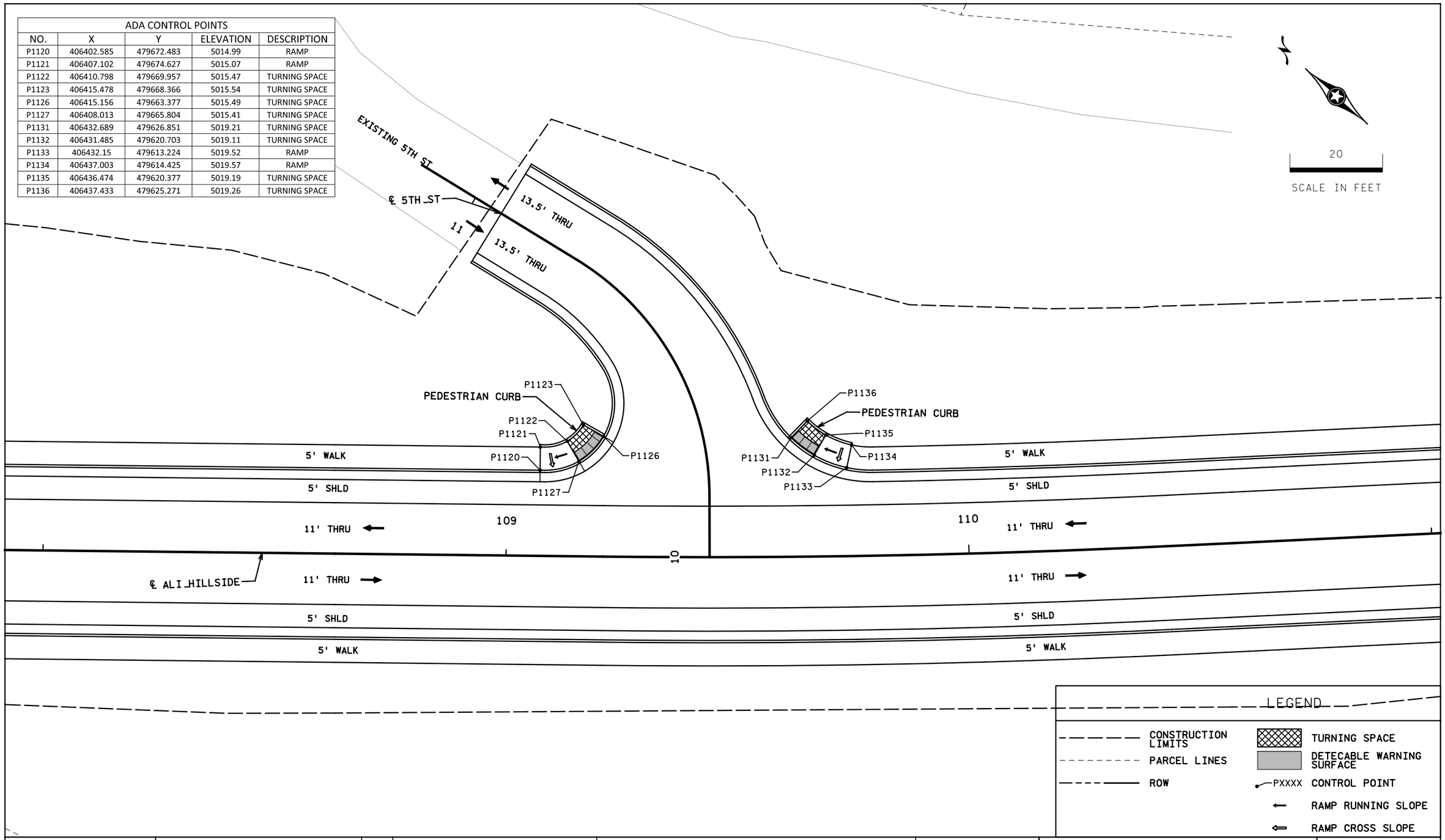
Void:

GRADING PLANS

Designer: RRS
Detailer: MDG
Sheet Subset:
Structure Numbers
Subset Sheets: 1 of 6

Project No./Code
C M315-008
24829
Sheet Number 40

ADA CONTROL POINTS				
NO.	X	Y	ELEVATION	DESCRIPTION
P1120	406402.585	479672.483	5014.99	RAMP
P1121	406407.102	479674.627	5015.07	RAMP
P1122	406410.798	479669.957	5015.47	TURNING SPACE
P1123	406415.478	479668.366	5015.54	TURNING SPACE
P1126	406415.156	479663.377	5015.49	TURNING SPACE
P1127	406408.013	479665.804	5015.41	TURNING SPACE
P1131	406432.689	479626.851	5019.21	TURNING SPACE
P1132	406431.485	479620.703	5019.11	TURNING SPACE
P1133	406432.15	479613.224	5019.52	RAMP
P1134	406437.003	479614.425	5019.57	RAMP
P1135	406436.474	479620.377	5019.19	TURNING SPACE
P1136	406437.433	479625.271	5019.26	TURNING SPACE



Revision Dates (Preliminary Stage Only)

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Checked By						

$PLOT_INFO$

Print Date: 8/29/2023
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Horiz. Scale: 20 Vert. Scale: N/A
Unit Information Unit Leader RRS
1601 RIVERFRONT DRIVE, SUITE 204
GRAND JUNCTION, CO 81501
970-450-7474

Sheet Revisions

Date:	Comments	Init.

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GRADING PLANS

Designer: RRS
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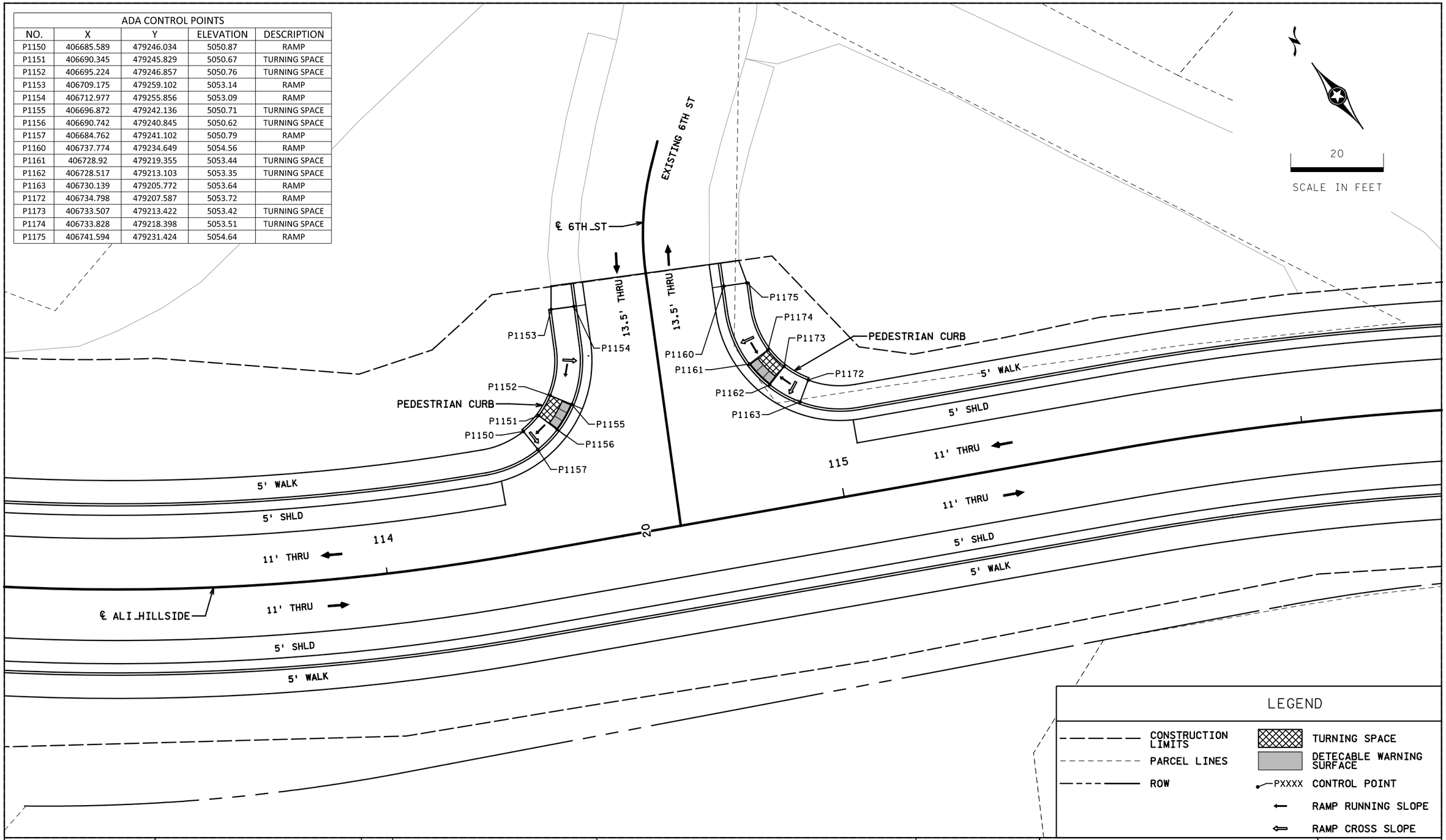
Sheet Subset:
Structure Numbers
Subset Sheets: 2 of 6

Project No./Code
C M315-008
24829
Sheet Number 41

ADA CONTROL POINTS				
NO.	X	Y	ELEVATION	DESCRIPTION
P1150	406685.589	479246.034	5050.87	RAMP
P1151	406690.345	479245.829	5050.67	TURNING SPACE
P1152	406695.224	479246.857	5050.76	TURNING SPACE
P1153	406709.175	479259.102	5053.14	RAMP
P1154	406712.977	479255.856	5053.09	RAMP
P1155	406696.872	479242.136	5050.71	TURNING SPACE
P1156	406690.742	479240.845	5050.62	TURNING SPACE
P1157	406684.762	479241.102	5050.79	RAMP
P1160	406737.774	479234.649	5054.56	RAMP
P1161	406728.92	479219.355	5053.44	TURNING SPACE
P1162	406728.517	479213.103	5053.35	TURNING SPACE
P1163	406730.139	479205.772	5053.64	RAMP
P1172	406734.798	479207.587	5053.72	RAMP
P1173	406733.507	479213.422	5053.42	TURNING SPACE
P1174	406733.828	479218.398	5053.51	TURNING SPACE
P1175	406741.594	479231.424	5054.64	RAMP



Revision Dates (Preliminary Stage Only)

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Checked By						

$PLOT_INFO$

Print Date: 8/29/2023
File Name: 2204-00360RDWY_ADA_03.dgn
Horiz. Scale: 40 Vert. Scale: N/A
Unit Information Unit Leader RRS

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Sheet Revisions

Date:	Comments	Init.

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No Revisions:
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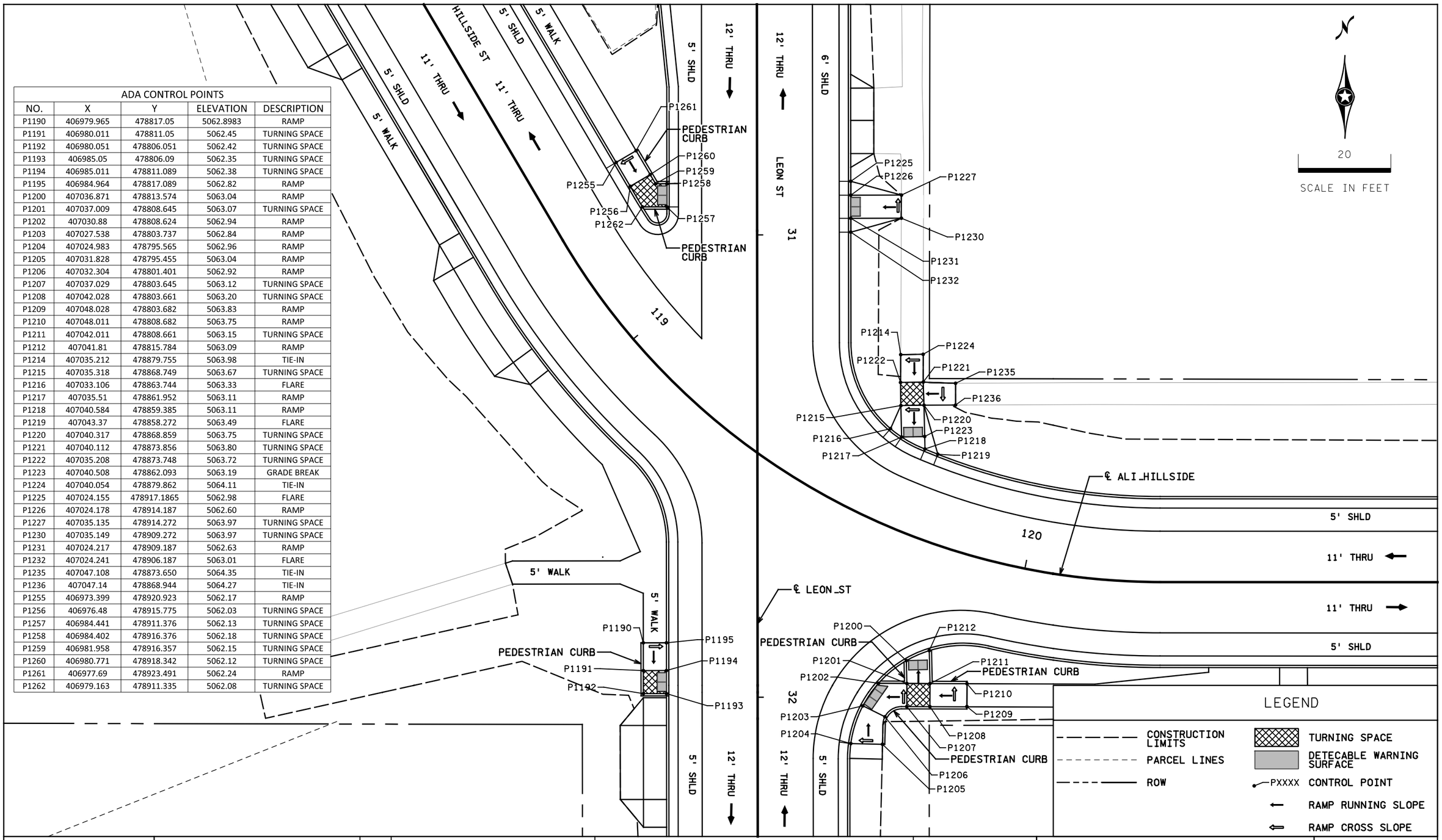
GRADING PLANS

Designer: RRS
Detailer: MDG
Sheet Subset:
Structure Numbers
Subset Sheets: 3 of 6

Project No./Code
C M315-008
24829
Sheet Number 42

ADA CONTROL POINTS				
NO.	X	Y	ELEVATION	DESCRIPTION
P1190	406979.965	478817.05	5062.8983	RAMP
P1191	406980.011	478811.05	5062.45	TURNING SPACE
P1192	406980.051	478806.051	5062.42	TURNING SPACE
P1193	406985.05	478806.09	5062.35	TURNING SPACE
P1194	406985.011	478811.089	5062.38	TURNING SPACE
P1195	406984.964	478817.089	5062.82	RAMP
P1200	407036.871	478813.574	5063.04	RAMP
P1201	407037.009	478808.645	5063.07	TURNING SPACE
P1202	407030.88	478808.624	5062.94	RAMP
P1203	407027.538	478803.737	5062.84	RAMP
P1204	407024.983	478795.565	5062.96	RAMP
P1205	407031.828	478795.455	5063.04	RAMP
P1206	407032.304	478801.401	5062.92	RAMP
P1207	407037.029	478803.645	5063.12	TURNING SPACE
P1208	407042.028	478803.661	5063.20	TURNING SPACE
P1209	407048.028	478803.682	5063.83	RAMP
P1210	407048.011	478808.682	5063.75	RAMP
P1211	407042.011	478808.661	5063.15	TURNING SPACE
P1212	407041.81	478815.784	5063.09	RAMP
P1214	407035.212	478879.755	5063.98	TIE-IN
P1215	407035.318	478868.749	5063.67	TURNING SPACE
P1216	407033.106	478863.744	5063.33	FLARE
P1217	407035.51	478861.952	5063.11	RAMP
P1218	407040.584	478859.385	5063.11	RAMP
P1219	407043.37	478858.272	5063.49	FLARE
P1220	407040.317	478868.859	5063.75	TURNING SPACE
P1221	407040.112	478873.856	5063.80	TURNING SPACE
P1222	407035.208	478873.748	5063.72	TURNING SPACE
P1223	407040.508	478862.093	5063.19	GRADE BREAK
P1224	407040.054	478879.862	5064.11	TIE-IN
P1225	407024.155	478917.1865	5062.98	FLARE
P1226	407024.178	478914.187	5062.60	RAMP
P1227	407035.135	478914.272	5063.97	TURNING SPACE
P1230	407035.149	478909.272	5063.97	TURNING SPACE
P1231	407024.217	478909.187	5062.63	RAMP
P1232	407024.241	478906.187	5063.01	FLARE
P1235	407047.108	478873.650	5064.35	TIE-IN
P1236	407047.14	478868.944	5064.27	TIE-IN
P1255	406973.399	478920.923	5062.17	RAMP
P1256	406976.48	478915.775	5062.03	TURNING SPACE
P1257	406984.441	478911.376	5062.13	TURNING SPACE
P1258	406984.402	478916.376	5062.18	TURNING SPACE
P1259	406981.958	478916.357	5062.15	TURNING SPACE
P1260	406980.771	478918.342	5062.12	TURNING SPACE
P1261	406977.69	478923.491	5062.24	RAMP
P1262	406979.163	478911.335	5062.08	TURNING SPACE



Revision Dates (Preliminary Stage Only)

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Checked By						

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Print Date:8/29/2023
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Horiz. Scale: 40 Vert. Scale: N/A
Unit Information Unit Leader RRS

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Sheet Revisions

Date:	Comments	Init.

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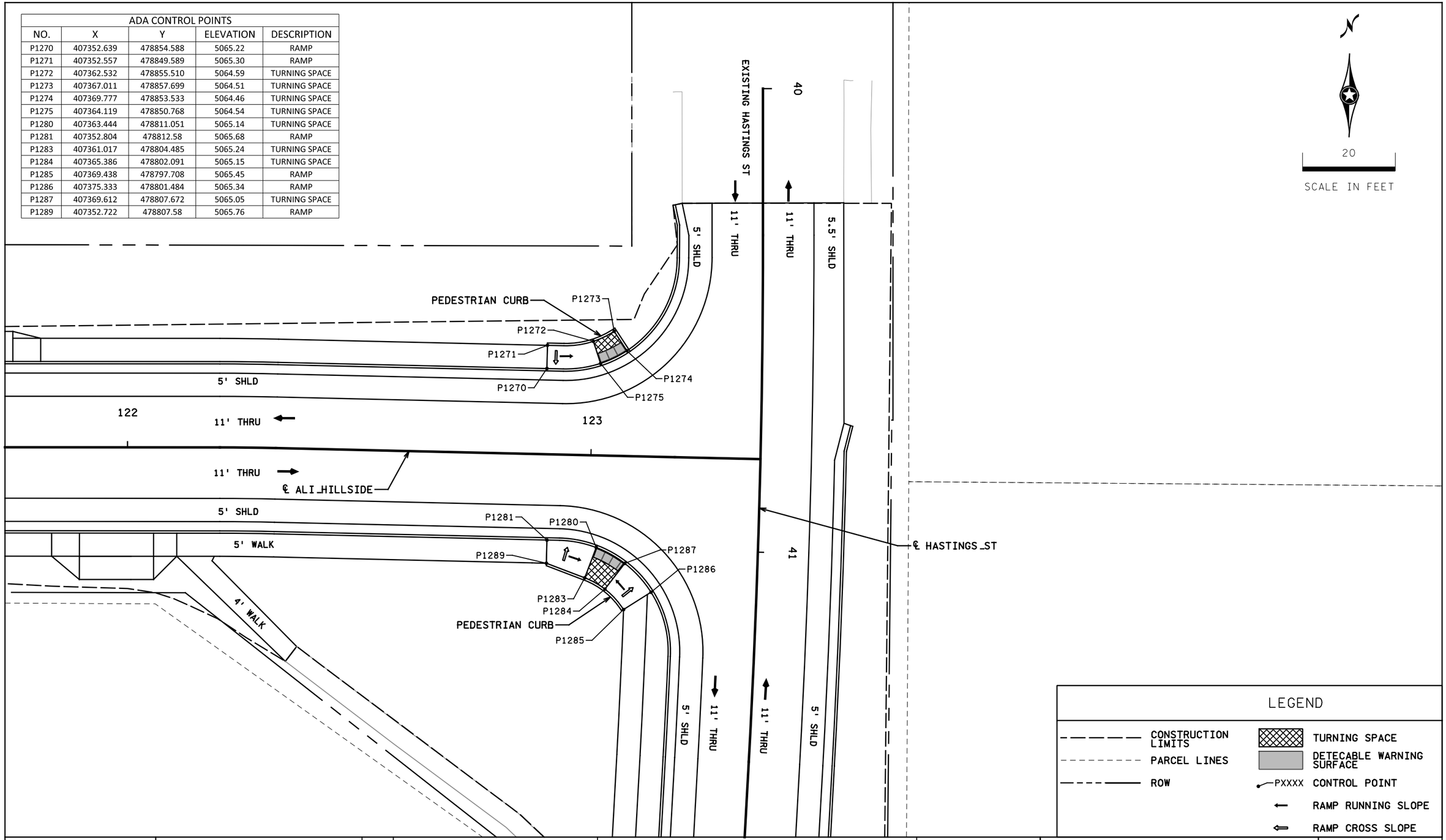
GRADING PLANS

Designer: RRS
Detailer: MDG
Sheet Subset:
Structure Numbers
Subset Sheets: 4 of 6

Project No./Code
C M315-008
24829
Sheet Number 43

ADA CONTROL POINTS				
NO.	X	Y	ELEVATION	DESCRIPTION
P1270	407352.639	478854.588	5065.22	RAMP
P1271	407352.557	478849.589	5065.30	RAMP
P1272	407362.532	478855.510	5064.59	TURNING SPACE
P1273	407367.011	478857.699	5064.51	TURNING SPACE
P1274	407369.777	478853.533	5064.46	TURNING SPACE
P1275	407364.119	478850.768	5064.54	TURNING SPACE
P1280	407363.444	478811.051	5065.14	TURNING SPACE
P1281	407352.804	478812.58	5065.68	RAMP
P1283	407361.017	478804.485	5065.24	TURNING SPACE
P1284	407365.386	478802.091	5065.15	TURNING SPACE
P1285	407369.438	478797.708	5065.45	RAMP
P1286	407375.333	478801.484	5065.34	RAMP
P1287	407369.612	478807.672	5065.05	TURNING SPACE
P1289	407352.722	478807.58	5065.76	RAMP



LEGEND

- CONSTRUCTION LIMITS
- PARCEL LINES
- ROW
- TURNING SPACE
- DETECABLE WARNING SURFACE
- PXXXX CONTROL POINT
- RAMP RUNNING SLOPE
- RAMP CROSS SLOPE

Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
Checked By						

Print Date: 8/29/2023
File Name: 2204-00360RDWY_ADA_05.dgn
Horiz. Scale: 20 Vert. Scale: N/A
Unit Information Unit Leader RRS

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Date:	Comments	Init.

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GRADING PLANS

Designer: RRS
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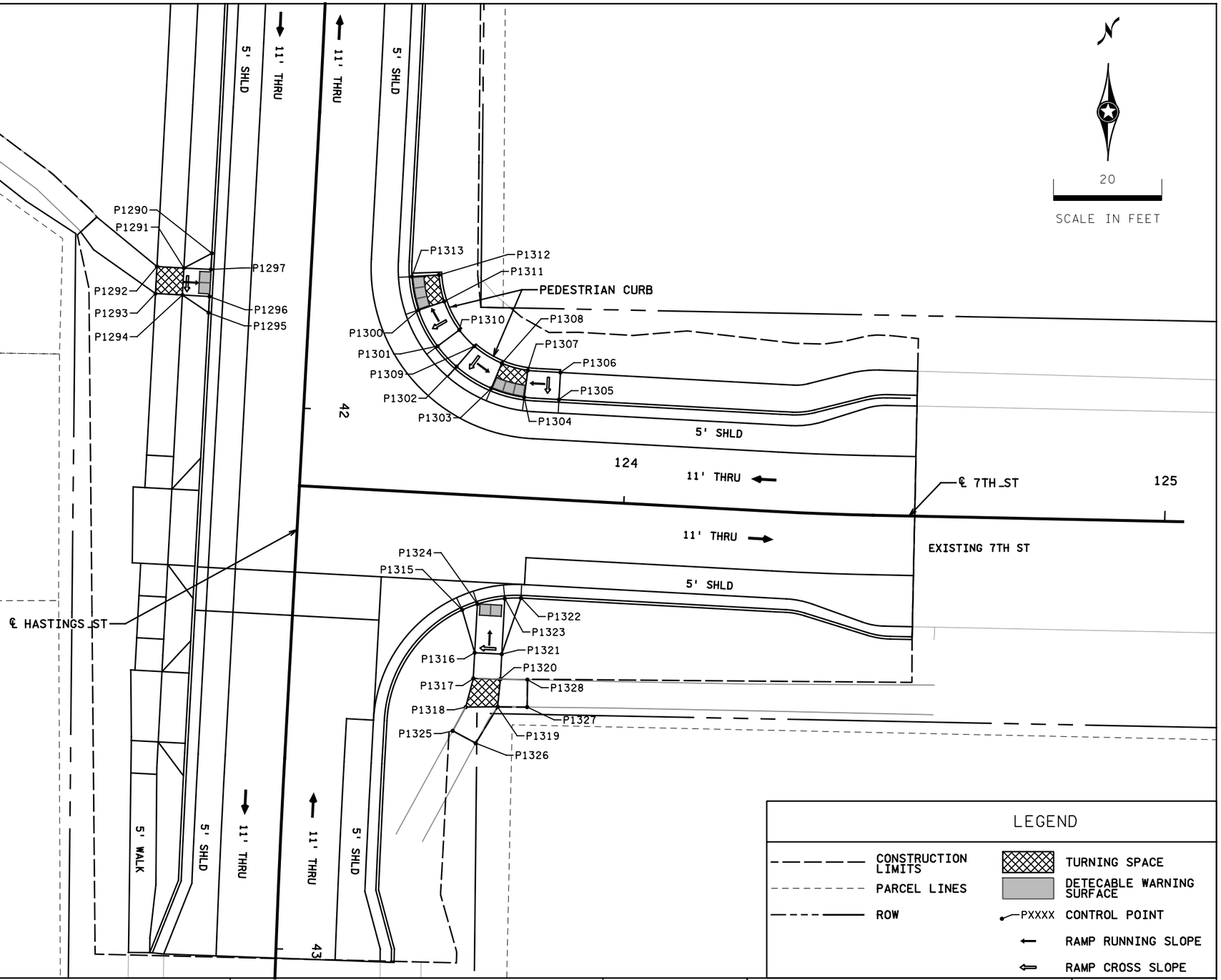
Sheet Subset:
Structure Numbers
Subset Sheets: 5 of 6

Project No./Code
C M315-008
24829
Sheet Number 44

$PLOT_INFO$

ADA CONTROL POINTS				
NO.	X	Y	ELEVATION	DESCRIPTION
P1290	407376.901	478738.894	5065.67	FLARE
P1291	407371.764	478736.135	5065.51	TURNING SPACE
P1292	407366.770	478736.372	5065.58	TURNING SPACE
P1293	407366.532	478731.378	5065.61	TURNING SPACE
P1294	407371.526	478731.14	5065.53	TURNING SPACE
P1295	407376.378	478727.906	5065.73	FLARE
P1296	407376.521	478730.903	5065.33	RAMP
P1297	407376.758	478735.897	5065.31	RAMP
P1300	407415.171	478728.657	5064.51	TURNING SPACE
P1301	407418.727	478721.999	5064.82	RAMP
P1302	407422.267	478718.245	5064.75	RAMP
P1303	407428.706	478714.306	5064.32	TURNING SPACE
P1304	407434.792	478712.690	5064.26	TURNING SPACE
P1305	407441.21	478712.307	5064.50	RAMP
P1306	407441.448	478717.301	5064.58	RAMP
P1307	407435.43	478717.649	5064.33	TURNING SPACE
P1308	407430.612	478718.929	5064.39	TURNING SPACE
P1309	407425.515	478722.047	5064.83	RAMP
P1310	407422.712	478725.019	5064.90	RAMP
P1311	407419.897	478730.289	5064.56	TURNING SPACE
P1312	407418.901	478735.175	5064.64	TURNING SPACE
P1313	407413.914	478734.827	5064.59	TURNING SPACE
P1315	407423.604	478673.309	5065.04	FLARE
P1316	407425.964	478665.423	5064.37	RAMP
P1317	407425.738	478660.668	5064.22	TURNING SPACE
P1318	407424.373	478655.359	5064.302	TIE-IN
P1319	407430.256	478655.469	5064.245	TIE-IN
P1320	407430.74	478660.587	5064.17	TIE-IN
P1321	407430.959	478665.185	5064.30	RAMP
P1322	407434.444	478675.582	5065.01	FLARE
P1323	407431.448	478675.473	5064.59	RAMP
P1324	407426.392	478674.4128	5064.65	RAMP
P1325	407421.994	478650.961	EXISTING	TIE-IN
P1326	407426.258	478648.701	EXISTING	TIE-IN
P1327	407435.717	478655.445	EXISTING	TIE-IN
P1328	407435.738	478660.506	EXISTING	TIE-IN



LEGEND

- CONSTRUCTION LIMITS
- PARCEL LINES
- ROW
- TURNING SPACE
- DETECABLE WARNING SURFACE
- PXXXX CONTROL POINT
- RAMP RUNNING SLOPE
- RAMP CROSS SLOPE

Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
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Print Date: 8/29/2023
File Name: 2204-00360RDWY_ADA_06.dgn
Horiz. Scale: 20 Vert. Scale: N/A
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Sheet Revisions

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GRADING PLANS

Designer: RRS
Detailer: MDG
Sheet Subset:
Structure Numbers
Subset Sheets: 6 of 6

Project No./Code
C M315-008
24829
Sheet Number 45

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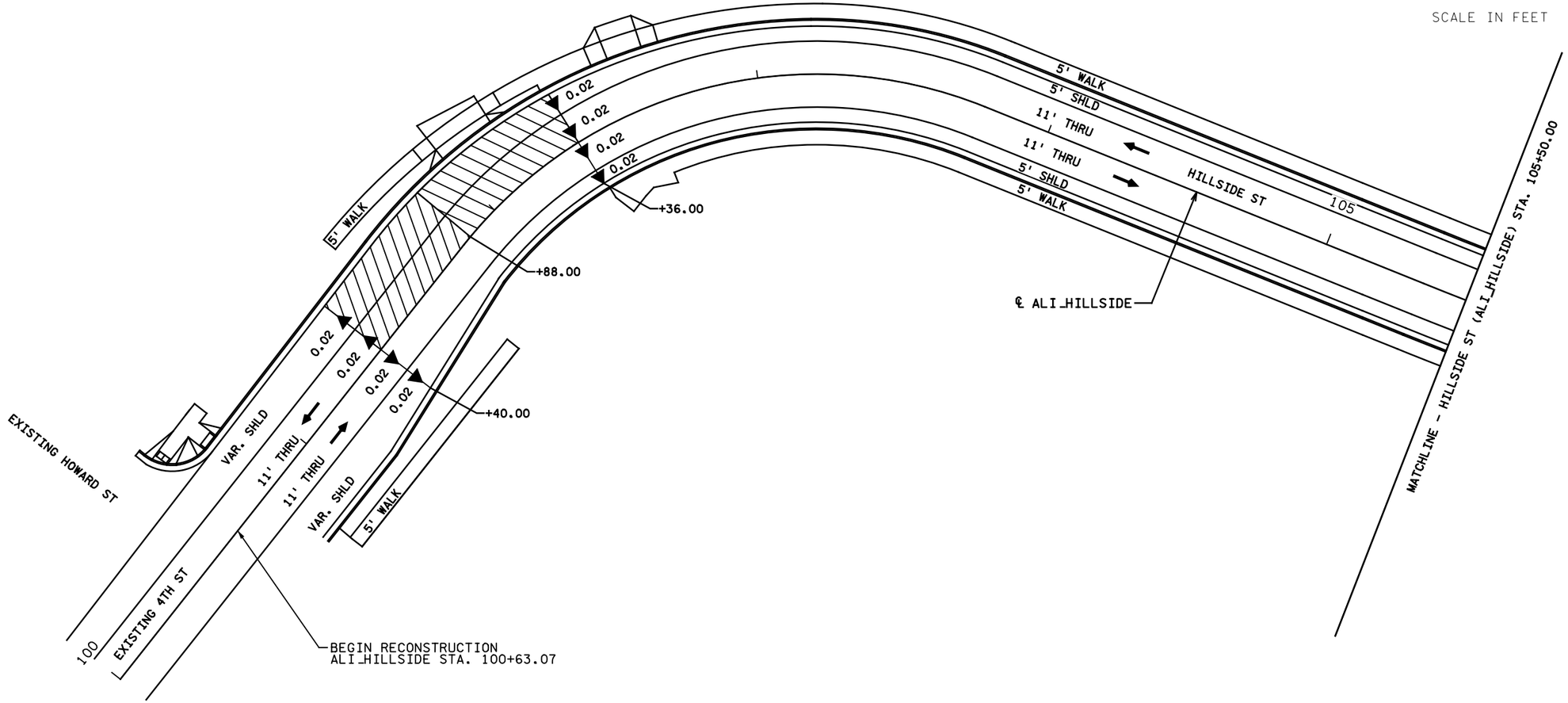

GENERAL NOTES:

STATIONING CALLOUTS ARE BASED ON ADJACENT ALIGNMENT UNLESS NOTED OTHERWISE

MAXIMUM 0.07 ROLLOVER IN SUPERELEVATIONS

ALL CROSS SLOPES ARE IN FT./FT.

LEGEND

SUPERELEVATION TRANSITION

PAVEMENT SLOPE DIRECTION

+XX.XX PARTIAL STATION

Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
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Print Date: 8/29/2023
File Name: 2204-00360RDWY_Super_Elev_01.dgn
Horiz. Scale: 40 Vert. Scale: N/A
Unit Information Unit Leader RRS

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Sheet Revisions

Date:	Comments	Init.

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SUPERELEVATION PLAN

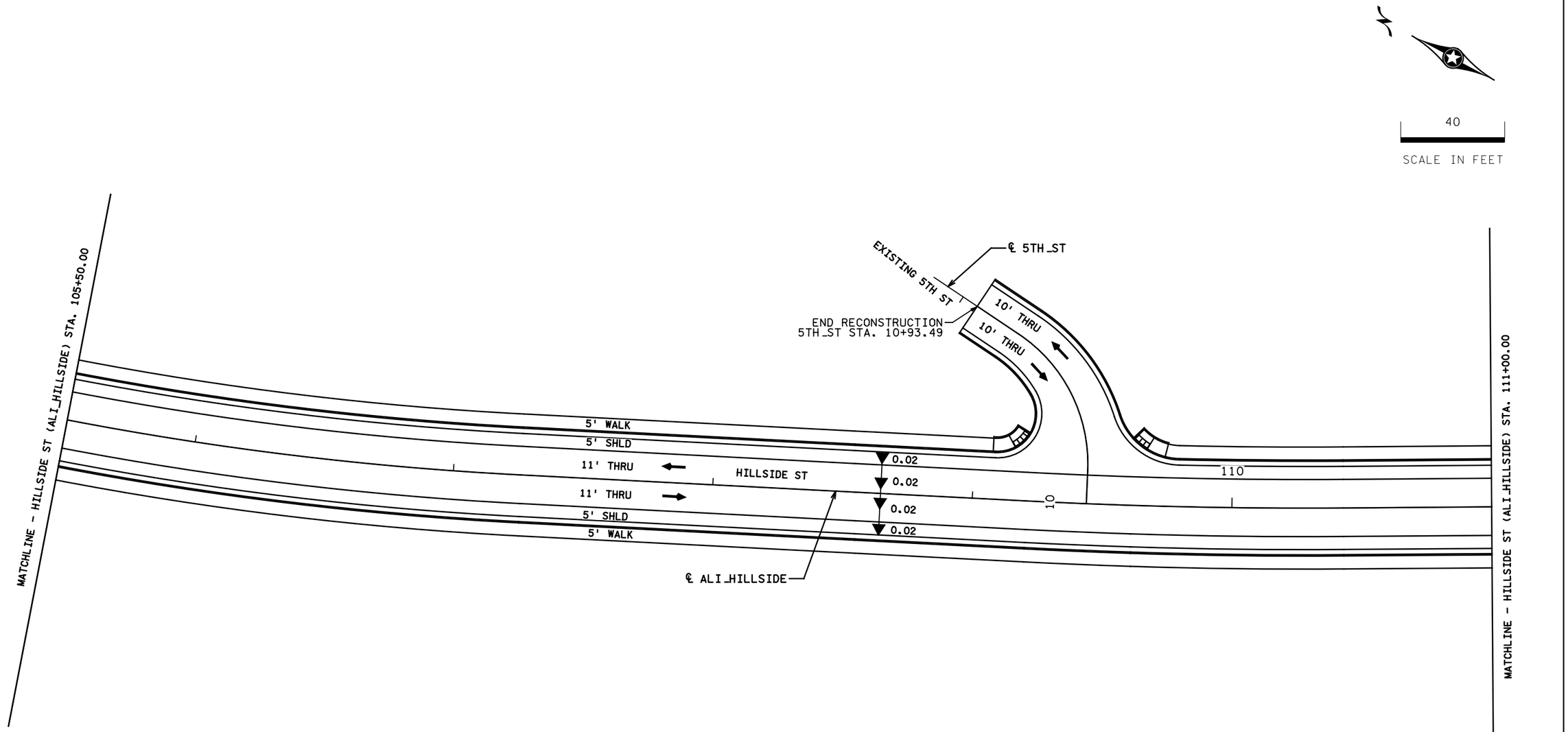
Designer: RRS
Detailer: MDG
Sheet Subset: CONST
Structure Numbers
Subset Sheets: 1 of 5

Project No./Code

C M315-008

24829

Sheet Number 46



GENERAL NOTES:

STATIONING CALLOUTS ARE BASED ON ADJACENT ALIGNMENT UNLESS NOTED OTHERWISE

MAXIMUM 0.07 ROLLOVER IN SUPERELEVATIONS

ALL CROSS SLOPES ARE IN FT./FT.

LEGEND

- SUPERELEVATION TRANSITION
- PAVEMENT SLOPE DIRECTION
- +XX.XX PARTIAL STATION

Revision Dates (Preliminary Stage Only)

INITIALS | DESIGN | DATE | DETAIL | DATE | QUANTITY | DATE
By
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Print Date: 8/29/2023
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Horiz. Scale: 40 Vert. Scale: N/A
Unit Information Unit Leader RRS

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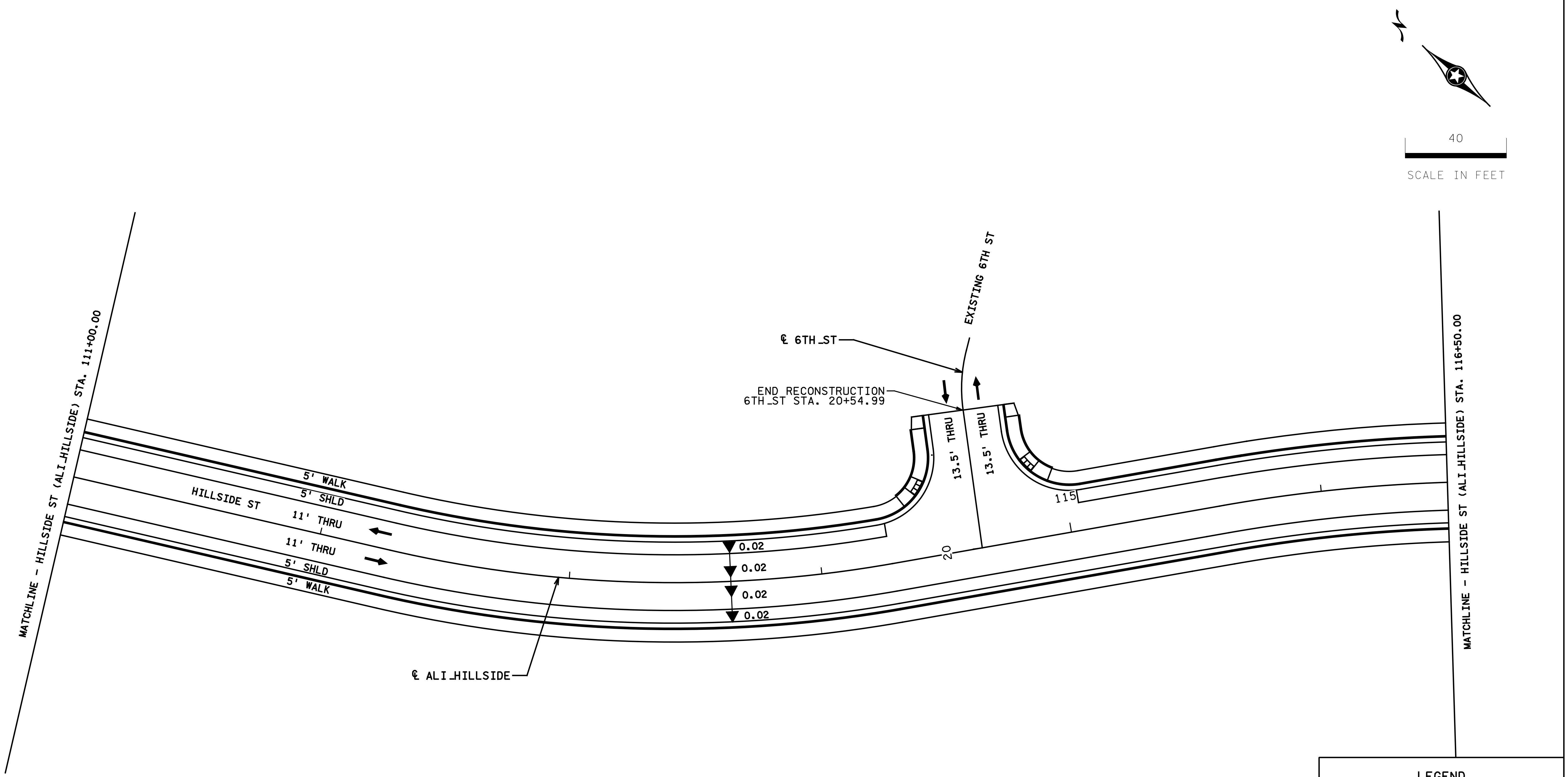
Void:

SUPERELEVATION PLAN

Designer: RRS
Detailer: MDG
Sheet Subset: CONST
Structure Numbers
Subset Sheets: 2 of 5

Project No./Code
C M315-008
24829
Sheet Number 47



GENERAL NOTES:

STATIONING CALLOUTS ARE BASED ON ADJACENT ALIGNMENT UNLESS NOTED OTHERWISE

MAXIMUM 0.07 ROLLOVER IN SUPERELEVATIONS

ALL CROSS SLOPES ARE IN FT./FT.

LEGEND

- SUPERELEVATION TRANSITION
- ▶ PAVEMENT SLOPE DIRECTION
- +XX.XX PARTIAL STATION

Print Date:	8/29/2023
File Name:	2204-00360RDWY_Super_Elev_03.dgn
Horiz. Scale: 40	Vert. Scale: N/A
Unit Information	Unit Leader RRS

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Date:	Comments	Init.

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SUPERELEVATION PLAN

Designer:	RRS	Structure Numbers	
Detailer:	MDG		
Sheet Subset:	CONST	Subset Sheets:	3 of 5

Project No./Code
C M315-008
24829
Sheet Number 48

Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
Checked By						

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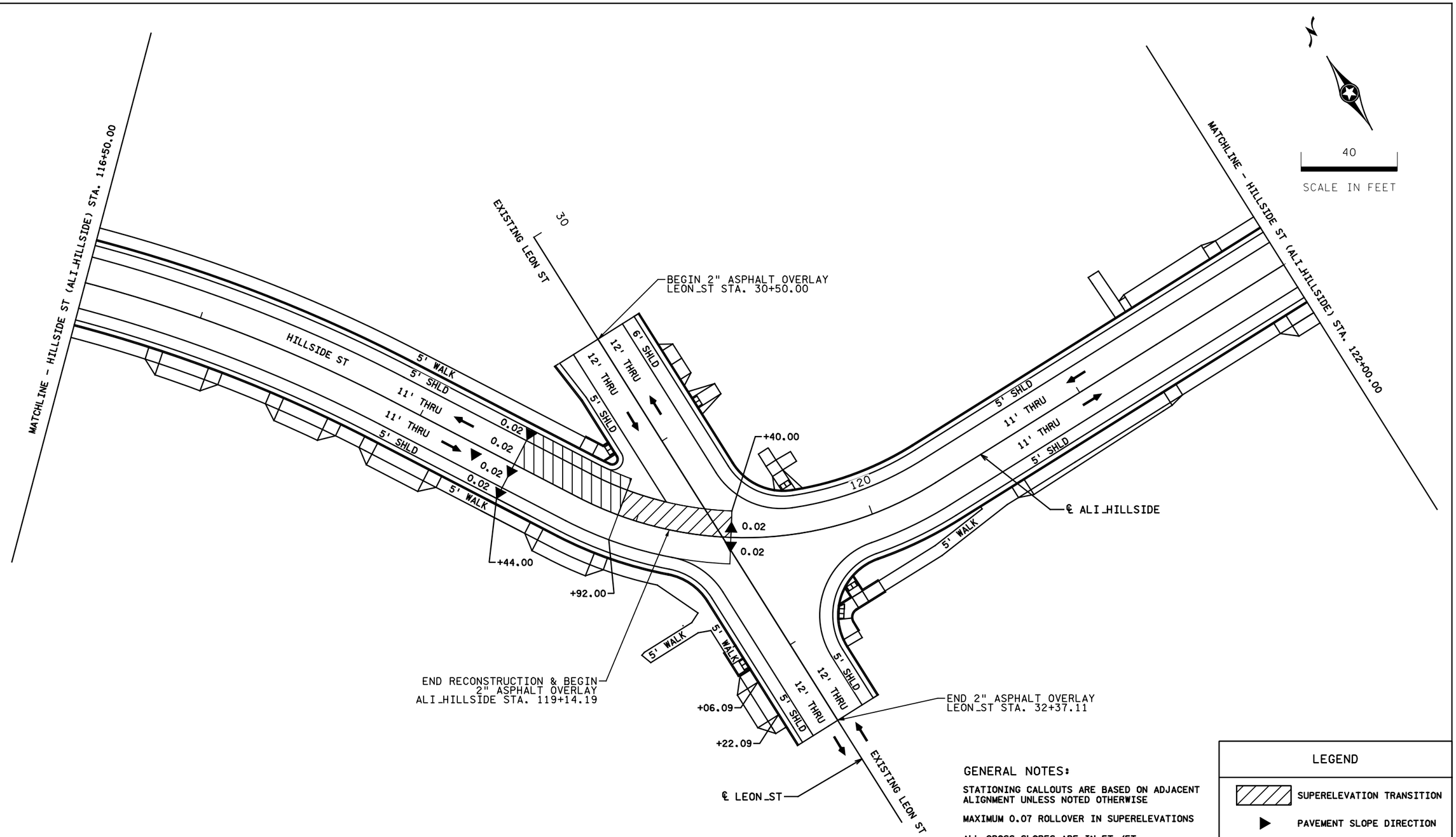

GENERAL NOTES:

STATIONING CALLOUTS ARE BASED ON ADJACENT ALIGNMENT UNLESS NOTED OTHERWISE

MAXIMUM 0.07 ROLLOVER IN SUPERELEVATIONS

ALL CROSS SLOPES ARE IN FT./FT.

LEGEND

- SUPERELEVATION TRANSITION
- PAVEMENT SLOPE DIRECTION
- +XX.XX PARTIAL STATION

Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
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$PLOT_INFO$

Print Date: 8/29/2023
File Name: 2204-00360RDWY_Super_Elev_04.dgn
Horiz. Scale: 40 Vert. Scale: N/A
Unit Information Unit Leader RRS

1601 RIVERFRONT DRIVE, SUITE 204
GRAND JUNCTION, CO 81501
970-450-7474
KLJ

Sheet Revisions

Date:	Comments	Init.

As Constructed

No Revisions:

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SUPERELEVATION PLAN

Designer: RRS
Detailer: MDG
Sheet Subset: CONST
Structure Numbers
Subset Sheets: 4 of 5

Project No./Code
C M315-008
24829
Sheet Number 49

TO ESTABLISH GEOMETRIC CONTROL FOR THE CONSTRUCTION OF THIS PROJECT, THE DEPARTMENT HAS PROVIDED THE FOLLOWING INFORMATION:

Format *

- ■ 3D Design Modeling Electronic Files _____
- ■ Horizontal Control _____
- ■ Vertical Control _____
- ■ Roadway Alignment _____
- ☐ Original Terrain Data _____
- ☐ Other: _____

* Specify the information format, ie., plan sheet, computer disk, computer printout, or other. The information marked is either contained on the plans or is available from the Engineer.

TYPE OF PROJECT

- ☐ Landscaping
- ☐ Signalization
- ☐ Safety Improvement
- ☐ Asphalt Overlay
- ☐ Concrete Overlay
- ☐ Minor Widening
- ■ Major Reconstruction
- ☐ New Roadway Construction
- ☐ Bridge Replacement
- ☐ Bridge Widening
- ☐ New Bridge
- ☐ Other: _____

SURVEY WORK TO BE PERFORMED BY OTHERS: _____

WORK PERFORMED BY THE CONTRACTOR'S SURVEYOR UNDER SECTION 625:

- ___ ☐ A complete passing Base Line report (completed within 6 months prior to the start of the project)
- ___ ■ An instrument calibration Certification (completed within 6 months prior to the start of the project)
- ___ ☐ Establish and Maintain Project Centerline or Engineer Approved Offset Line(s)
- ___ ■ Verification and Maintenance of Horizontal and Vertical Control
- ___ ■ Verify or Determine existing grades and alignments
- ___ ■ Verify or Determine existing topography
- ___ ☐ Clearing and Grubbing Limits (Section 201)
- ___ ■ Removal Limits (Section 202)
- ___ ■ Reset Items (Section 210)
- ___ ■ Excavation and Embankment (Section 203)
  - ___ ■ Excavation
    - ___ ■ Unclassified
    - ___ ☐ Stripping
    - ___ ☐ Muck
    - ___ ☐ Rock
    - ___ ☐ Borrow
    - ___ ☐ Other: _____
    - ___ ☐ Potholing
  - ___ ☐ Embankment
  - ___ ☐ Site Grading
  - ___ ☐ Erosion Control (Perm)
  - ___ ☐ Other: _____
  - ___ ☐ As Staked Earthwork Quantities (See General Notes)

	Slope Staking (Y/N)	Grid (Y/N)	Grade (Y/N)	Special Interval
Excavation	–	–	–	–
	–	–	–	–
	–	–	–	–
	–	–	–	–
	–	–	–	–
	–	–	–	–
Embankment	–	–	–	–
	–	–	–	–
	–	–	–	–
	–	–	–	–

- ___ ☐ Landscaping
  - ___ ☐ Top Soil (Section 207)
  - ___ ☐ Seeding (Section 212)
  - ___ ☐ Mulching (Section 213)
  - ___ ☐ Planting (Section 214)
  - ___ ☐ Herbicide (Section 217)
  - ___ ☐ Other: _____
- ___ ☐ Erosion Control (Section 208)
  - ___ ☐ Seeding (Temp)
  - ___ ☐ Silt Fence
  - ___ ☐ Erosion Bales
  - ___ ☐ Erosion Logs
  - ___ ☐ Riprap (Temp)
  - ___ ☐ Other: _____
- ___ ■ Roadway Bases
  - ___ ☐ Untreated Subgrade
  - ___ ☐ Treated Subgrade
  - ___ ■ Aggregate Base Course (Section 304)
  - ___ ☐ Reconditioning
  - ___ ☐ PMBB – Plant Mix Bituminous Base
  - ___ ☐ Other: _____

	Grid (Y/N)	Grade (Y/N)	Special Interval	Special Offset
Roadway Bases	–	–	–	–
	–	–	–	–
	–	–	–	–
	–	–	–	–
	–	–	–	–
	–	–	–	–

- ___ ☐ Pavements
  - ___ ☐ HMA – Hot Mix Asphalt (Section 403)
  - ___ ☐ Concrete (Section 412)
  - ___ ☐ Heating & Scarifying Treatment
  - ___ ☐ Prime Coat, Tack Coat & Rejuvenating Agent (Section 407)
  - ___ ☐ Seal Coat or Chip Seal (Section 409)
  - ___ ☐ Other: _____

	Grid (Y/N)	Special Interval	Special Offset
Pavements	–	–	–
	–	–	–
	–	–	–
	–	–	–
	–	–	–
	–	–	–

	Tangent Interval	Curve Interval	Special Offset
Curb & Gutter	–	–	–

- ___ ■ Roadway Elements
  - ___ ■ Curb and Gutter (Section 609)
  - ___ ■ Drop inlets – alignment and grades (Section 604)
  - ___ ■ Retaining Walls
  - ___ ☐ Guard Rail (Section 606)
  - ___ ■ Sidewalk (Section 608)
  - ___ ☐ Overlay Stationing
  - ___ ☐ Other: _____
- ___ ☐ Riprap (Perm) (Section 506)
- ___ ☐ Slope and Ditch Paving (Section 507)
- ___ ■ Minor Structures
  - ___ ☐ Structure Excavation limits (Section 206)
  - ___ ☐ Culverts (Section 603)
  - ___ ☐ Culverts w/ Headwalls and Wingwalls (Section 601)
  - ___ ☐ Concrete Box Culverts w/ Headwalls and Wingwalls
  - ___ ■ Pipes (Section 603)
    - ___ ☐ Sanitary Sewer
    - ___ ■ Storm Sewer
    - ___ ☐ Water
    - ___ ☐ Irrigation
    - ___ ☐ Miscellaneous
  - ___ ■ Manholes (Section 604)
  - ___ ■ Inlets (Section 604)
  - ___ ☐ Permanent Water Quality BMP (Section 208)
  - ___ ☐ Other: _____
- ___ ☐ Major Structures – Overhead Signs (Section 614), Concrete Box Culverts, Bridges – and all other structures assigned a structure number
  - ___ ☐ Structure Excavation limits (Section 206)
  - ___ ☐ Concrete Box Culverts (Section 603) w/ Headwalls and Wingwalls (Section 601)
  - ___ ☐ Piling locations and cut off elevations (Section 502)
  - ___ ☐ Caisson locations and elevations (Section 503)
  - ___ ☐ Footing locations, alignment, and elevations
  - ___ ☐ Abutment/Pier locations, alignment, and elevations
  - ___ ☐ Wingwall skew angles/offsets
  - ___ ☐ Structural concrete form locations
  - ___ ☐ Substructure As-constructed survey required for Bridges (Subsection 601 .12) and Overhead signs (S-614-50)
  - ___ ☐ Bridge expansion joint(s) alignment and grade (longitudinal and transverse)
  - ___ ☐ Deck grades at Girder 10th or "n" th point locations and elevations
  - ___ ☐ Slope and Ditch Paving (Section 507)
  - ___ ☐ Other: _____
- ___ ■ Fencing (Section 607)
  - ___ ■ Temporary
  - ___ ■ Permanent
  - ___ ☐ Sound Barrier
  - ___ ☐ Other: _____
- ___ ☐ Delineators (Section 612)
  - ___ ☐ Temporary
  - ___ ☐ Permanent
- ___ ■ Lighting (Section 613) and Traffic Control Devices (Permanent) (Section 614)
  - ___ ■ Signal pole locations and elevations
  - ___ ■ Light pole locations and elevations
  - ___ ■ Sign locations
  - ___ ☐ Field verify sign post locations, elevations, and lengths before fabrication.
  - ___ ☐ Other: _____

	Left Interval	Center Interval	Right Interval
Stationing	–	–	–

- ___ ■ Pavement Marking (Section 627)
  - ___ ☐ Striping (Temp)
  - ___ ■ Striping (Perm)
  - ___ ■ Symbols
  - ___ ☐ Other: _____
- ___ ☐ Temporary Lighting and Construction Traffic Control Devices (Section 630)
  - ___ ☐ Signal pole locations and elevations (Temp)
  - ___ ☐ Light pole locations and elevations (Temp)
  - ___ ☐ Sign Locations (Temp)
  - ___ ☐ Other: _____
- ___ ☐ All Easements (Temp Staking by P.L.S. Only)
- ___ ☐ Right of Way (Temp Staking by P.L.S. Only)

WORK PERFORMED BY THE CONTRACTOR'S SURVEYOR UNDER SECTION 629:

- ___ ☐ Monumentation (Section 629)
  - ___ ☐ Control
  - ___ ☐ Right of Way
  - ___ ☐ Land corners, Aliquot corners
  - ___ ☐ Easements
  - ___ ☐ Reference the specified existing monuments: ** _____
  - ___ ☐ Replace the specified existing monuments: ** _____
  - ___ ☐ Locate monuments. It is estimated___ hours are required.

NOTE: All 629 items shall include adequate research, calculations, and evaluations of evidence for monuments to be set.

** A Tabulation of Survey Monuments may be provided on the plans.

GENERAL NOTES:

1. Unless indicated otherwise on this Survey Tabulation Sheet, all survey work and staking intervals shall be done in accordance with the latest edition of the CDOT Survey Manual.
2. Adequate information for establishing lines, grades, and locations for all work items have been specified on the plans. Any additional information required to stake the item or element shall be generated by the Contractor's surveyor.
3. The Contractor's surveyor shall provide an estimate of the man-hours necessary to complete the work items indicated on this sheet. A copy of this sheet, with the estimated man-hours written on the blank line to the left of the specified items, shall be submitted with the Survey Schedule to the Engineer_____ days prior to the Presurvey Conference - Construction Survey.
4. Stakes and Monuments which are damaged or destroyed by the progress of construction shall be replaced by the Contractor at no additional cost to the Department.
5. The Contractor shall furnish an As Staked (or 3D Design Modeling Electronic Files) Earthwork Quantity report to the Engineer prior to completion of twenty percent (20%) of the planned earthwork in any phase as per the CDOT Survey Manual. A printed copy of the As Staked (or 3D Design Modeling Electronic Files) Earthwork data report and a computer disk with that information on it, in the specified format shall be submitted to the Engineer. The Contractor shall field verify original ground cross sections at a maximum 500 feet intervals.
6. Prior to beginning work on any subsequent operation, such as placing base course or paving, the Contractor shall certify in writing to the Engineer that the final grade is within specified tolerance.
7. The Contractor's surveyor shall perform all field surveying and calculations necessary to tie plan grades into field grades.
8. The Contractor shall coordinate construction staking on the project with any utility work.
9. Fieldbooks shall contain daily records of points set and or measurements observed. The information recorded shall contain: date, crew members' names, point no., description, staking information, and sketches. If the survey information is collected electronically, information recorded shall be provided to the Project Engineer in a hard copy format that is intuitive, clear and related to the supplemental information recorded in the field books. All linear surveys, such as slope stakes and blue tops, shall have the station and offset information related to the measured information. Non-linear surveys such as structures staking shall have sketches relating electronic information, such as point numbers, to the sketch.
10. The Contractor's surveyor shall submit the following fieldbooks to the Engineer:
    - ■ Horizontal Control (Primary & Secondary)
    - ■ Vertical Control (i.e. Benchmarks)
    - ■ Property Pin Ties
    - ■ Horizontal Alignment
    - ☐ Grading
    - ☐ Slope Staking
    - ■ Minor Structures
    - ☐ Major Structures
    - ☐ One fieldbook for each work category shown on this sheet
    - ☐ Other Fieldbook(s): _____

    11. The Contractor's surveyor shall submit the following (prior to surveying on the project) to the Engineer:
    - ■ All required Instrument Calibrations

Print Date:8/29/2023
File Name: ...\2204-00360SURV_Tabulation.dgn
Horiz. Scale: N/A Vert. Scale: N/A
Unit Information RRS

1601 RIVERFRONT DRIVE, SUITE 204
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KLJ

R-X

Sheet Revisions

Date:	Comments	Init.

CITY OF DELTA EST. 1882

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No Revisions:
Revised:
Void:

SURVEY TABULATION SHEET

Designer: RRS
Detailer: MDG
Sheet Subset: SURV
Structure Numbers
Subset Sheets: 1 of 2

Project No./Code
C M315-008
24829
Sheet Number 50

Sheet Revisions		
Date	Description	Initials

Sheet Revisions		
Date	Description	Initials

Sheet Revisions		
Date	Description	Initials

Right of Way Plans
Land Survey Control Diagram

Project Number: C M315-008

Project Location: HILLSIDE STREET IN DELTA, CO

Project Code:	Last Mod. Date	Subset	Sheet No.
24829		1 OF 1	51

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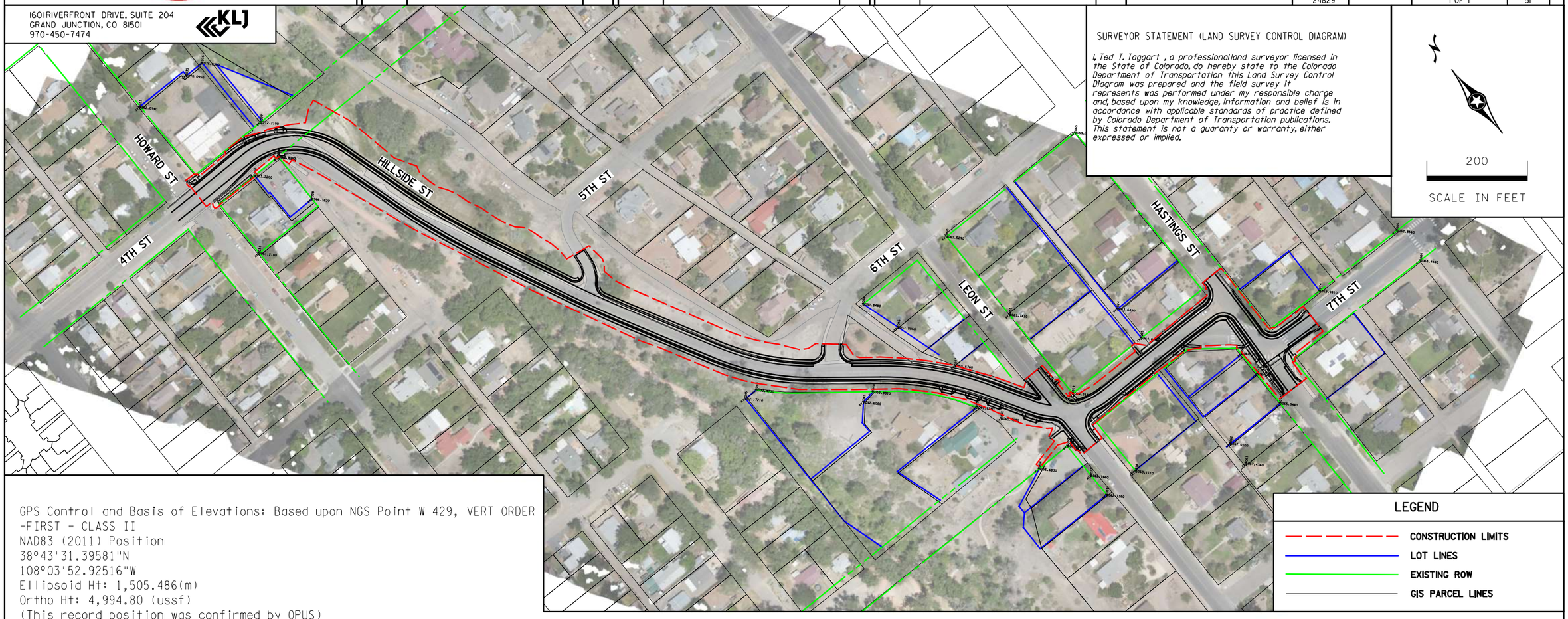


SURVEYOR STATEMENT (LAND SURVEY CONTROL DIAGRAM)

I, Ted T. Taggart , a professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation this Land Survey Control Diagram was prepared and the field survey it represents was performed under my responsible charge and, based upon my knowledge, information and belief is in accordance with applicable standards of practice defined by Colorado Department of Transportation publications. This statement is not a guaranty or warranty, either expressed or implied.

200

SCALE IN FEET

LEGEND

- CONSTRUCTION LIMITS
- LOT LINES
- EXISTING ROW
- GIS PARCEL LINES

GPS Control and Basis of Elevations: Based upon NGS Point W 429, VERT ORDER -FIRST - CLASS II
NAD83 (2011) Position
38°43'31.39581"N
108°03'52.92516"W
Ellipsoid Ht: 1,505.486(m)
Ortho Ht: 4,994.80 (ussf)
(This record position was confirmed by OPUS)

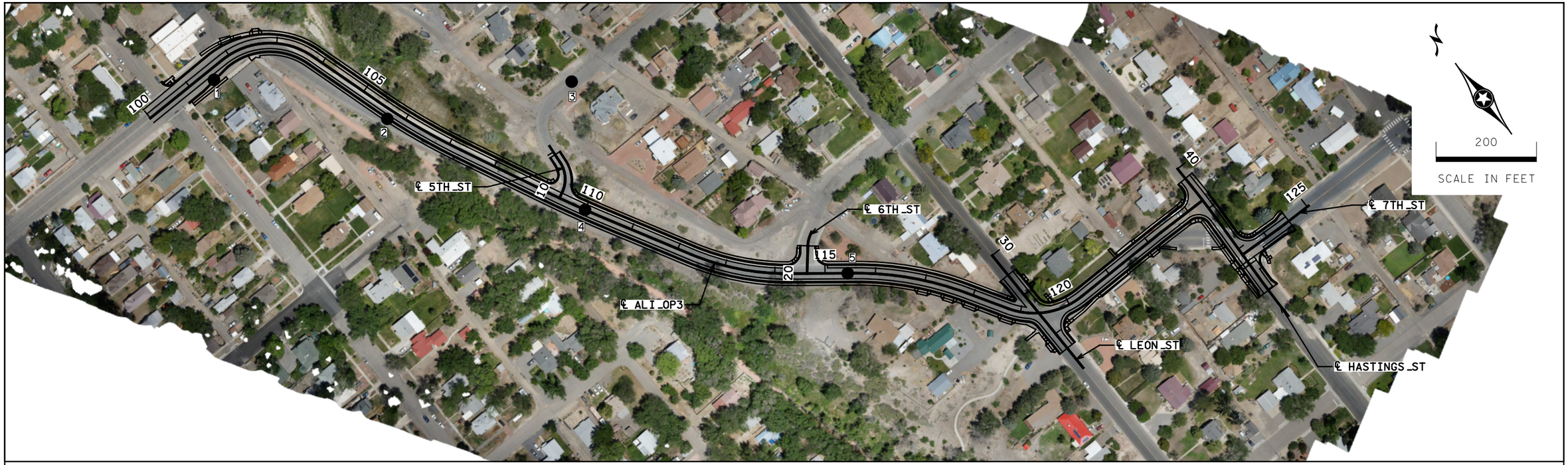
Bearings and Distances shown hereon are expressed in terms of the NAD83(2011) Low Distortion Projection (LDP) defined below:

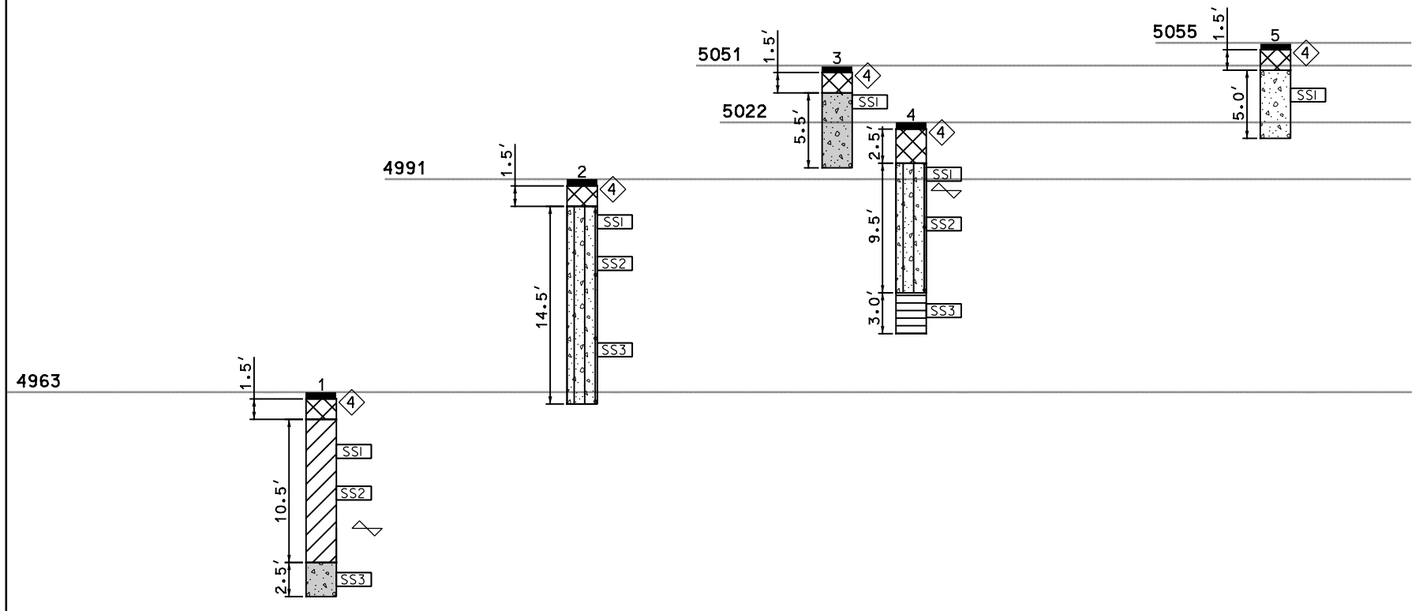
Delta County Area Zone: "DCLCS"
Projection: Transverse Mercator Projection
Origin Latitude: 38°47'46.87099"N
Central Meridian: 107°44'12.48187"W
False Northing: 500,000 USSF
False Easting: 500,000 USSF
Scale Reduction 1.000244447 unitless
Project/Scale Factor Height: 5,243 Ft (NAVD88)
GEOID 18

NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discover such defect. In no event may any action based upon any defect in this survey be commenced more than ten years from the date of the certification shown hereon.

COLORADO REGISTERED
TED T. TAGGART
37075
PROFESSIONAL LAND SURVEYOR

Ted T. Taggart
11/17/23





Revision Dates (Preliminary Stage Only)						
4/90	3/99	11/99	4/02	3/07	10/13	12/21

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
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Checked By						

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Horiz. Scale: 200 Vert. Scale: N/A
Unit Information Unit Leader RRS

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Date:	Comments	Init.

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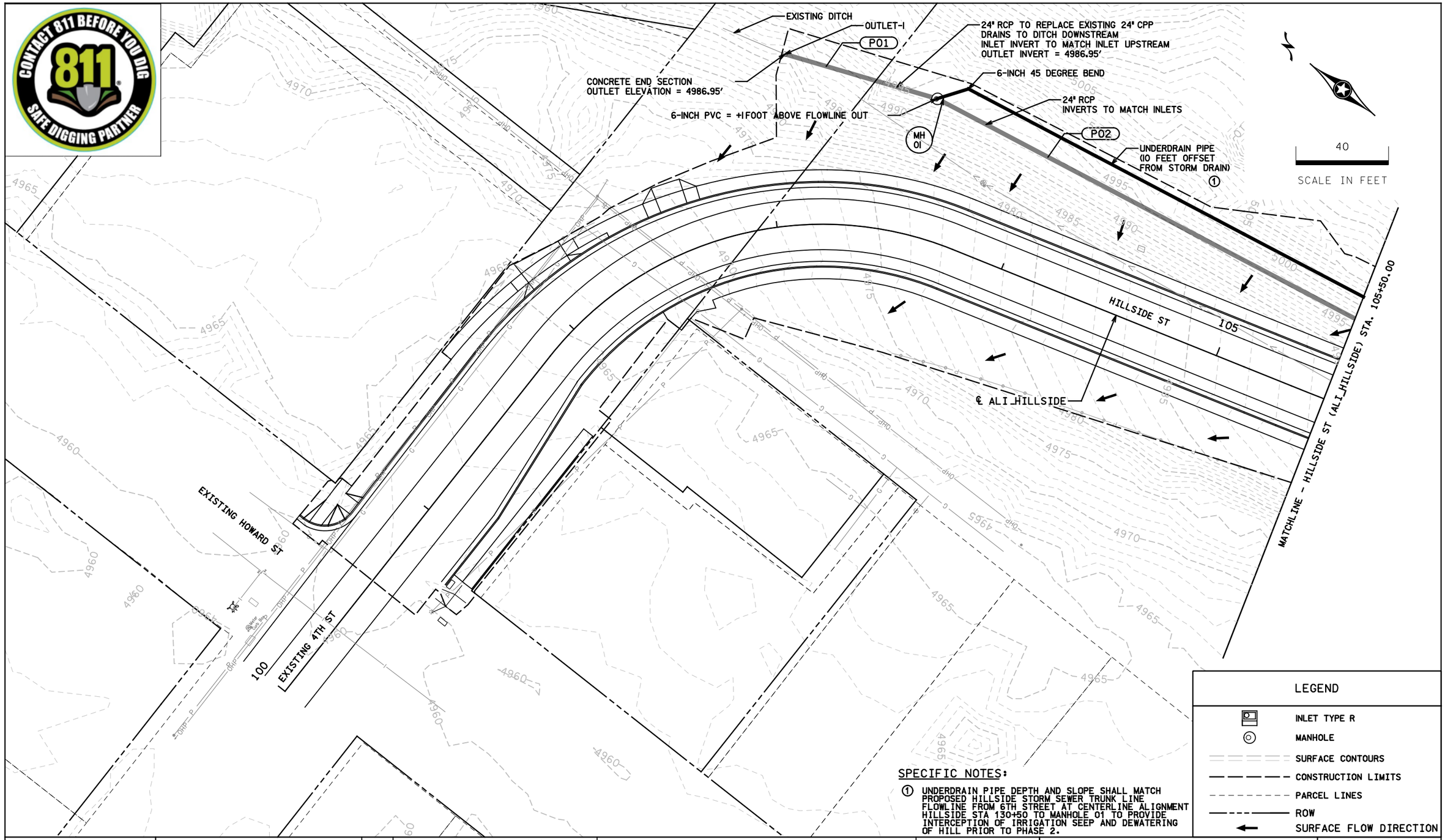
ENGINEERING GEOLOGY

Designer: RRS
Detailer: MDG
Sheet Subset: GEN
Structure Numbers:
Subset Sheets: 1 of 1

Project No./Code
C M315-008
24829
Sheet Number 52



SPECIFIC NOTES:

1. UNDERDRAIN PIPE DEPTH AND SLOPE SHALL MATCH PROPOSED HILLSIDE STORM SEWER TRUNK LINE FLOWLINE FROM 6TH STREET AT CENTERLINE ALIGNMENT HILLSIDE STA 130+50 TO MANHOLE 01 TO PROVIDE INTERCEPTION OF IRRIGATION SEEP AND DEWATERING OF HILL PRIOR TO PHASE 2.

LEGEND

- INLET TYPE R
- MANHOLE
- SURFACE CONTOURS
- CONSTRUCTION LIMITS
- PARCEL LINES
- ROW
- SURFACE FLOW DIRECTION

CONTACT 811 BEFORE YOU DIG — 811 — SAFE DIGGING PARTNER

Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
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$PLOT_INFO$

Print Date: 8/29/2023
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Unit Information Unit Leader RRS

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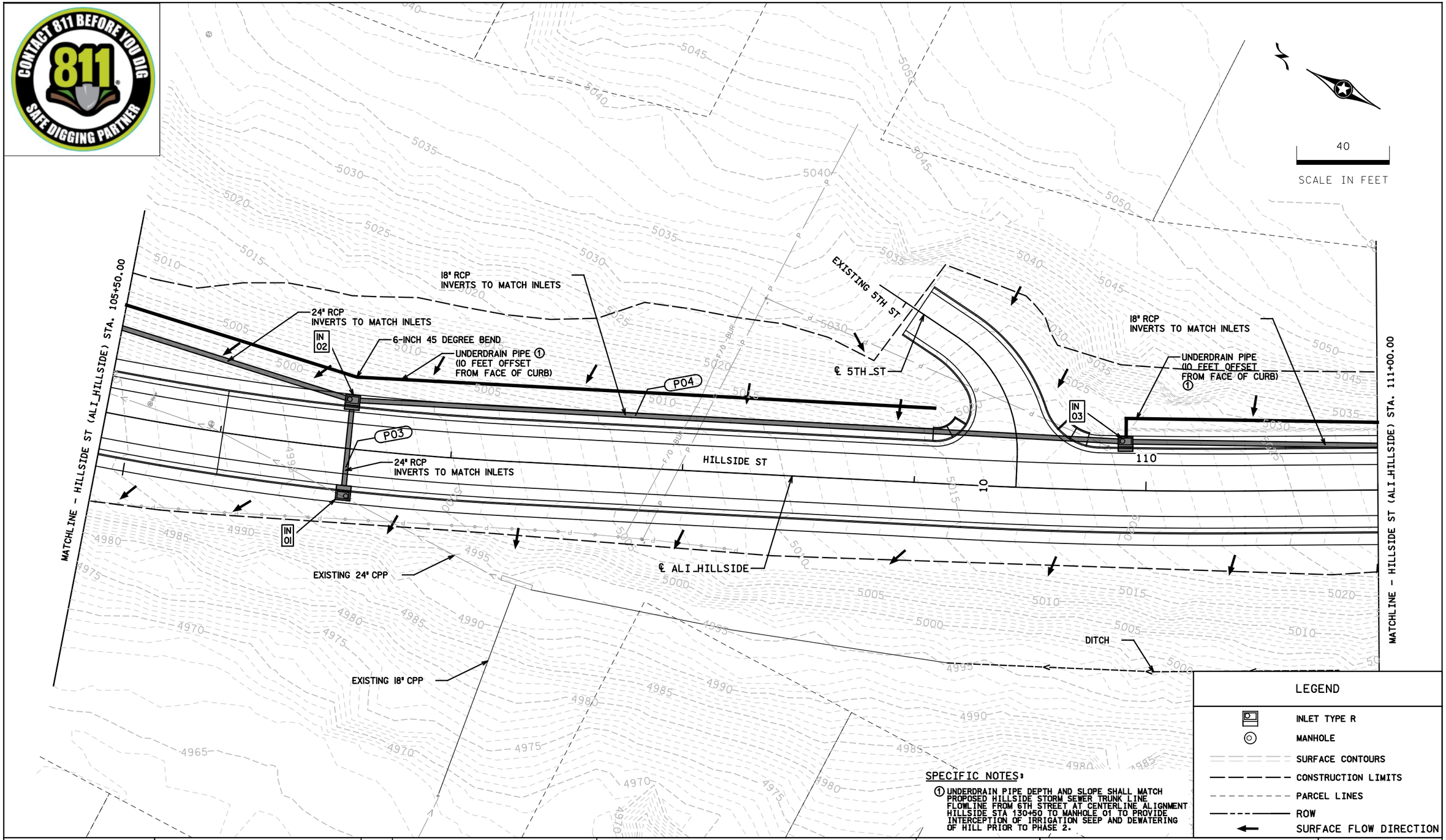
DRAINAGE PLANS

Designer: RRS
Detailer: MDG
Sheet Subset: CONST
Structure Numbers:
Subset Sheets: 1 of 4

Project No./Code
C M315-008
24829
Sheet Number 53



SPECIFIC NOTES:

① UNDERDRAIN PIPE DEPTH AND SLOPE SHALL MATCH PROPOSED HILLSIDE STORM SEWER TRUNK LINE FLOWLINE FROM 6TH STREET AT CENTERLINE ALIGNMENT HILLSIDE STA 130+50 TO MANHOLE 01 TO PROVIDE INTERCEPTION OF IRRIGATION SEEP AND DEWATERING OF HILL PRIOR TO PHASE 2.

LEGEND

- INLET TYPE R
- MANHOLE
- SURFACE CONTOURS
- CONSTRUCTION LIMITS
- PARCEL LINES
- ROW
- SURFACE FLOW DIRECTION

Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
Checked By						

$PLOT_INFO$

Print Date: 8/29/2023
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Horiz. Scale: 40 Vert. Scale: N/A
Unit Information Unit Leader RRS

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Date:	Comments	Init.

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DRAINAGE PLANS

Designer: RRS
Detailer: MDG
Sheet Subset: CONST
Structure Numbers
Subset Sheets: 2 of 4

Project No./Code
C M315-008
24829
Sheet Number 54

CONTACT 811 BEFORE YOU DIG
811
SAFE DIGGING PARTNER

40
SCALE IN FEET

MATCHLINE - HILLSIDE ST (ALI_HILLSIDE) STA. 111+00.00

MATCHLINE - HILLSIDE ST (ALI_HILLSIDE) STA. 116+50.00

HILLSIDE ST

℄ ALI_HILLSIDE

℄ 6TH_ST

EXISTING 6TH ST

P05

18" RCP
INVERTS TO MATCH INLETS

UNDERDRAIN PIPE ①
(10 FEET OFFSET
FROM FACE OF CURB)

MH
02

P06

IN
04

115

20

SPECIFIC NOTES:

① UNDERDRAIN PIPE DEPTH AND SLOPE SHALL MATCH PROPOSED HILLSIDE STORM SEWER TRUNK LINE FLOWLINE FROM 6TH STREET AT CENTERLINE ALIGNMENT HILLSIDE STA 130+50 TO MANHOLE 01 TO PROVIDE INTERCEPTION OF IRRIGATION SEEP AND DEWATERING OF HILL PRIOR TO PHASE 2.

LEGEND

- INLET TYPE R
- MANHOLE
- SURFACE CONTOURS
- CONSTRUCTION LIMITS
- PARCEL LINES
- ROW
- SURFACE FLOW DIRECTION

Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
Checked By						

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Unit Information Unit Leader RRS

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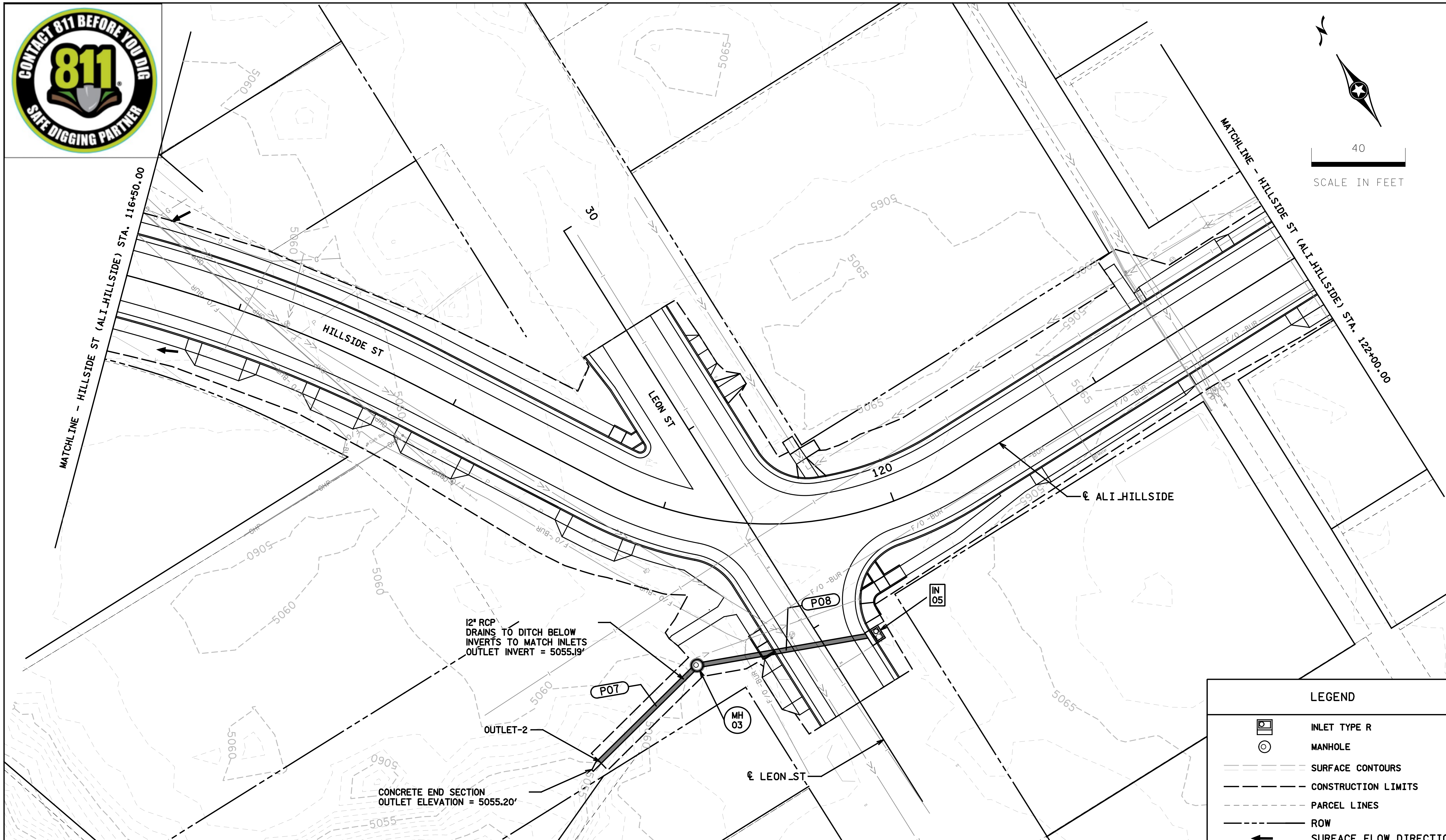
DRAINAGE PLANS

Designer: RRS
Detailer: MDG
Sheet Subset: CONST
Structure Numbers
Subset Sheets: 3 of 4

Project No./Code
C M315-008
24829
Sheet Number 55



Revision Dates (Preliminary Stage Only)

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Checked By						

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Unit Information Unit Leader RRS

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Sheet Revisions

Date:	Comments	Init.

CITY OF DELTA EST. 1882

As Constructed	DRAINAGE PLANS		Project No./Code
No Revisions:			C M315-008
Revised:	Designer: RRS	Structure Numbers	24829
Void:	Detailer: MDG		
	Sheet Subset: CONST	Subset Sheets: 4 of 4	Sheet Number 56

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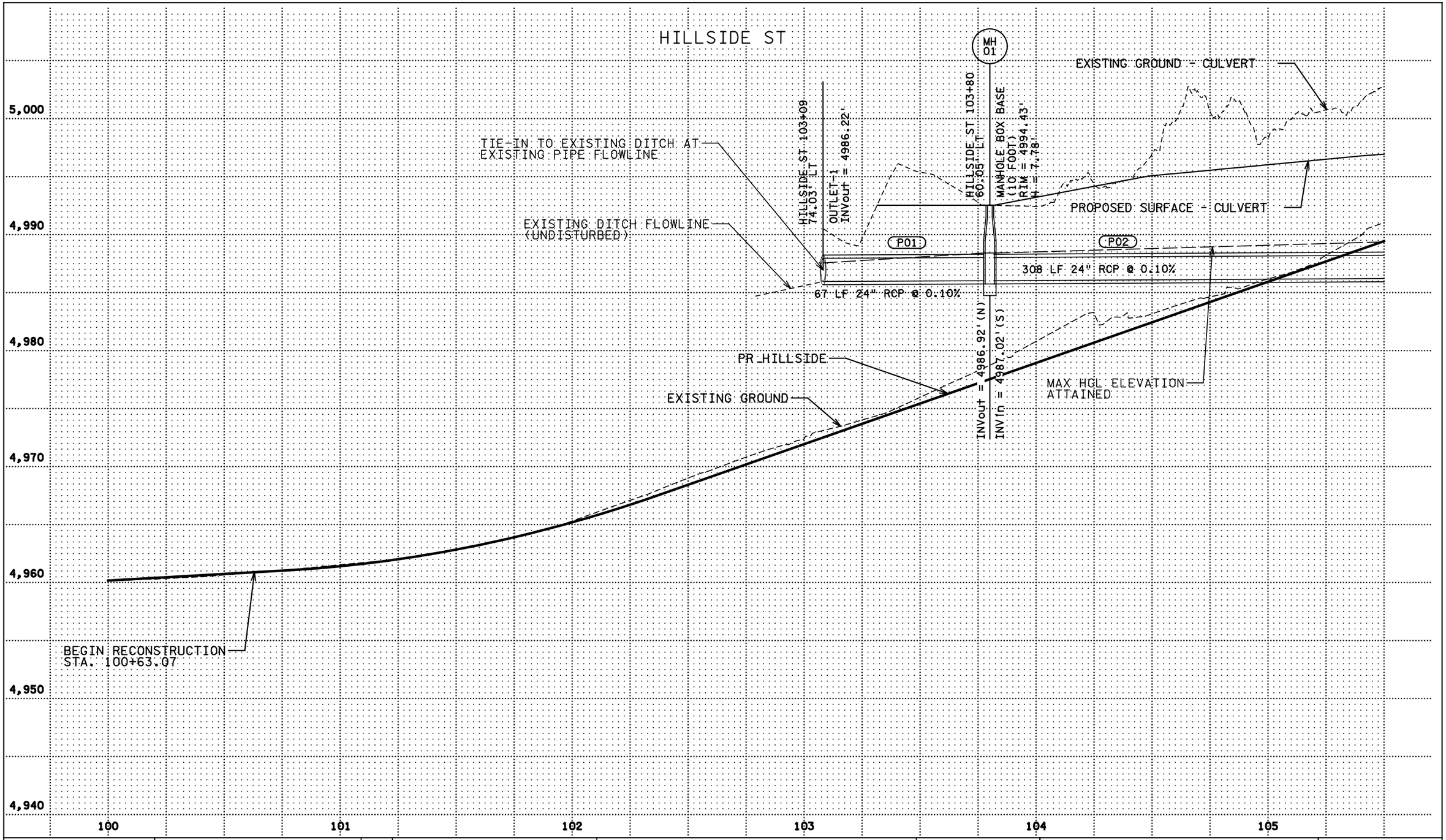

Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
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$PLOT_INFO$

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Horiz. Scale: 100 Vert. Scale: 50
Unit Information Unit Leader RRS

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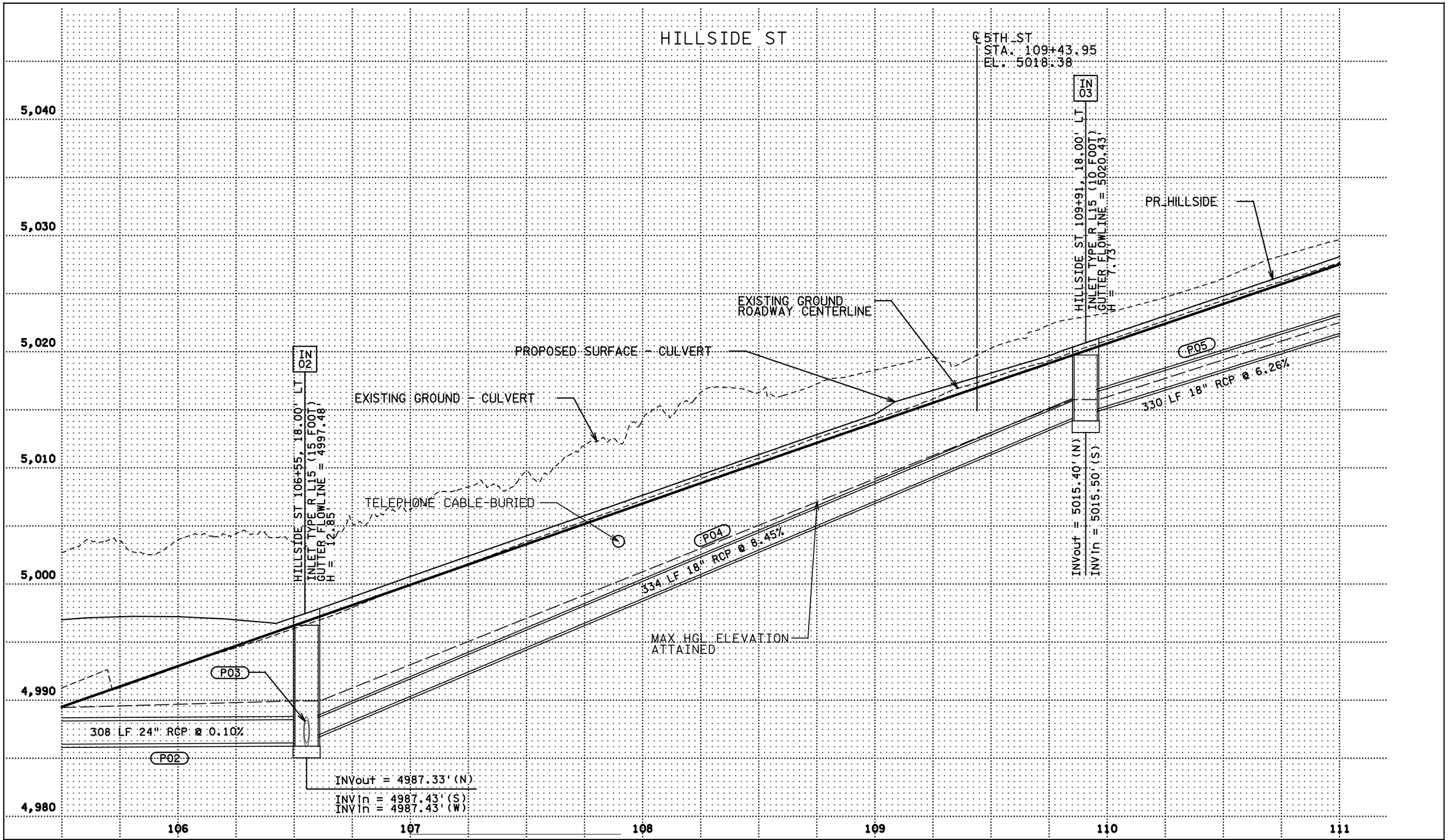
DRAINAGE PROFILES

Designer: RRS
Detailer: MDG
Sheet Subset: PROFILE
Structure Numbers
Subset Sheets: 1 of 6

Project No./Code
C M315-008
24829
Sheet Number 57



Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
Checked By						

$PLOT_INFO$

Print Date: 8/29/2023
File Name: 2204-00360HYDR_Profile_02.dgn
Horiz. Scale: 100 Vert. Scale: 50
Unit Information Unit Leader RRS

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Sheet Revisions

Date:	Comments	Init.

CITY OF DELTA EST. 1882

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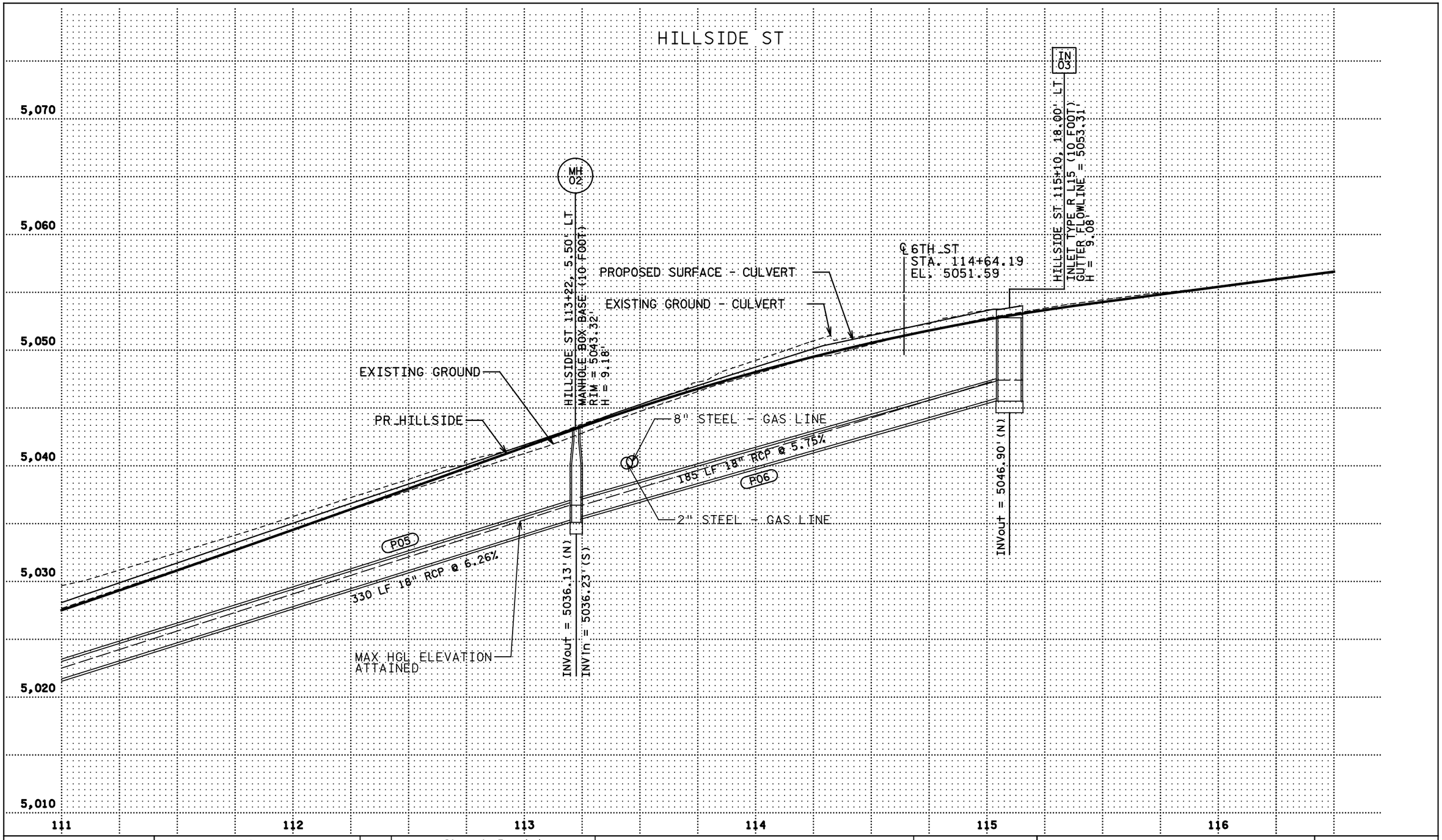
DRAINAGE PROFILES

Designer: RRS
Detailer: MDG
Sheet Subset: PROFILE
Structure Numbers
Subset Sheets: 2 of 4

Project No./Code
C M315-008
24829
Sheet Number 58



Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
Checked By						

$PLOT_INFO$

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File Name: 2204-00360HYDR_Profile_03.dgn
Horiz. Scale: 100 Vert. Scale: 50
Unit Information Unit Leader RRS

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Sheet Revisions

Date:	Comments	Init.

CITY OF DELTA EST. 1882

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No Revisions:
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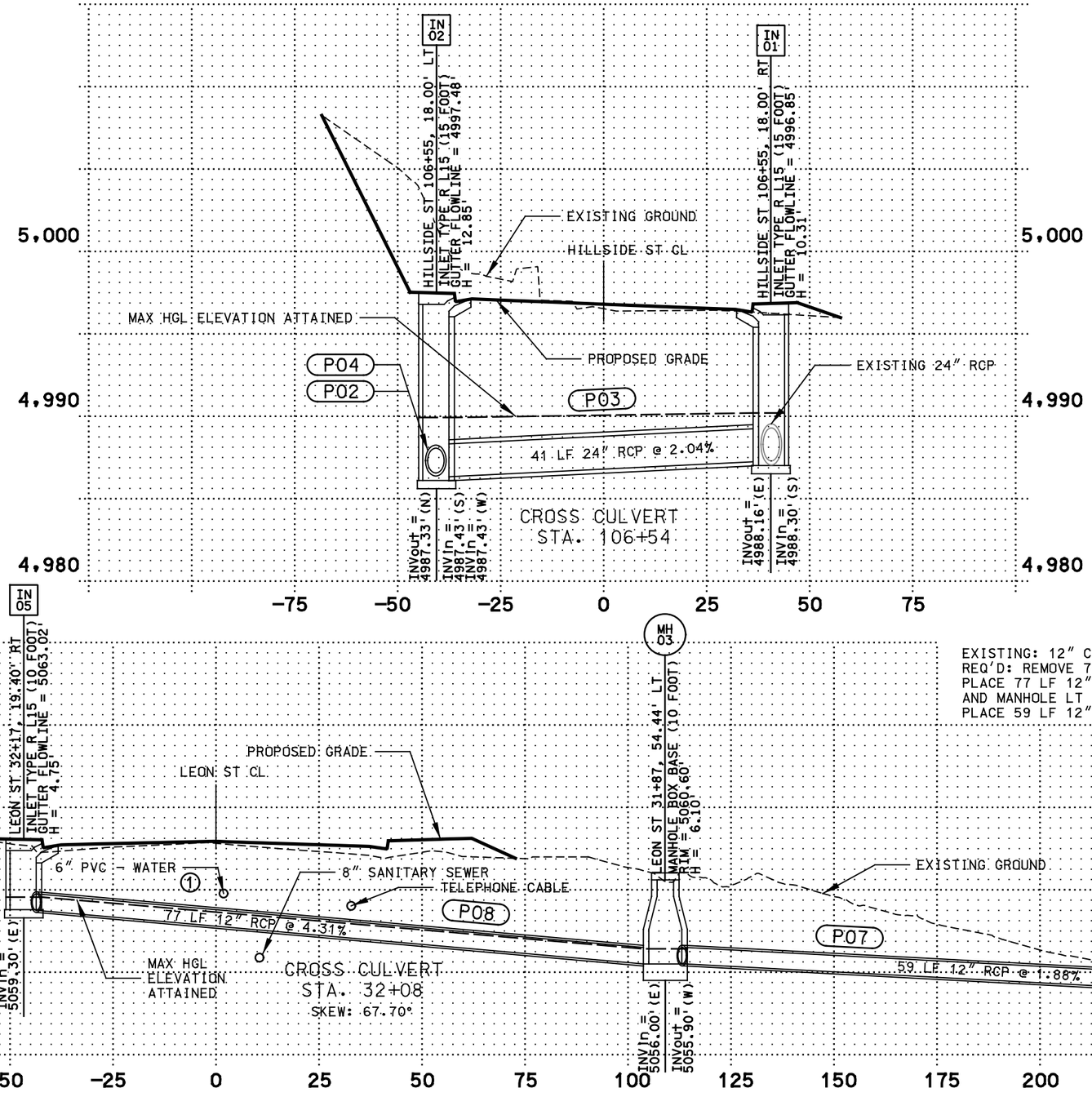
DRAINAGE PROFILES

Designer: RRS
Detailer: MDG
Sheet Subset: PROFILE
Structure Numbers
Subset Sheets: 3 of 6

Project No./Code
C M315-008
24829
Sheet Number 59



EXISTING: 24" PLASTIC PIPE (1)
REQ'D: REMOVE 349 LF PIPE AND 2 MANHOLES LT
PLACE 418 LF 24" RCP W/ TYPE R (5') INLET RT
TYPE R (5') INLET LT AND MANHOLE LT

EXISTING: 12" CPP
REQ'D: REMOVE 74 LF PIPE AND CATCH BASIN
PLACE 77 LF 12" RCP W/ TYPE R (5') INLET RT
AND MANHOLE LT
PLACE 59 LF 12" RCP LT

SPECIFIC NOTES:

1. ASSUMED 3 FEET TO TOP OF PIPE.
   CITY TO VERIFY PRIOR TO CONSTRUCTION.

Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
Checked By						

$PLOT_INFO$

Print Date: 10/4/2023
File Name 2204-00360HYDR_STC_01.dgn
Horiz. Scale: 100 Vert. Scale: 50
Unit Information Unit Leader RRS

1601 RIVERFRONT DRIVE, SUITE 204
GRAND JUNCTION, CO 81501
970-450-7474
KLJ

Sheet Revisions		
Date:	Comments	Init.
10/4/23	UPDATED PIPE CALLOUT	RRS

As Constructed
No Revisions:
Revised:
Void:

STRUCTURE CROSS SECTIONS

Designer: RRS
Detailer: MDG
Sheet Subset: PROFILE
Structure Numbers
Subset Sheets: 1 of 1

Project No./Code: C M315-008
24829
Sheet Number 60

GENERAL NOTES

EXCEPT AS SHOWN IN PLANS, STRUCTURE EXCAVATION AND BACKFILL SHALL BE IN ACCORDANCE WITH M-206-1.

EXPANSION JOINT MATERIAL SHALL MEET AASHTO SPECIFICATION M213.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE DURING CONSTRUCTION.

STATIONS, ELEVATIONS, AND DIMENSIONS CONTAINED IN THESE PLANS ARE CALCULATED FROM A RECENT FIELD SURVEY. THE CONTRACTOR SHALL VERIFY ALL DEPENDENT DIMENSIONS IN THE FIELD BEFORE ORDERING OR FOBRICATING ANY MATERIAL.

ALL LONGITUDINAL AND TRANSVERSE DIMENSIONS ARE MEASURED HORIZONTALLY AND INCLUDE NO CORRECTION FOR GRADE.

THE INFORMATION SHOWN ON THESE PLANS CONCERNING THE TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO AT 811 (1-800-922-1987) AT LEAST 3 DAYS (2 DAYS NOT INCLUDING THE DAY OF NOTIFICATION) PRIOR TO ANY EXCAVATION OR OTHER EARTHWORK.

ALL SAW WATER, CORING WASTE AND ANY OTHER CONSTRUCTION DEBRIS SHALL BE COLLECTED AND DISPOSED OF OFF SITE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS AT NO ADDITIONAL COST TO THE PROJECT. UNDER NO CIRCUMSTANCES SHALL SUCH MATERIAL BE ALLOWED TO ENTER ANY NATURAL OR MANMADE WATER WAY OR STORM SEWER.

DESIGN DATA

AASHTO LRFD, 9TH EDITION

DESIGN METHOD: LOAD AND RESISTANCE FACTOR DESIGN

LOADING:

LIVE LOAD SOIL SURCHARGE: 2 FT
ACTIVE EARTH (FLUID) PRESSURE = 55 PCF
FOR 2 (MIN.) : 1 SLOPED BACKFILL

SOIL PROPERTIES:

STRUCTURE BACKFILL (CLASS 1): Y = 125 pcf, • = 34^

INDEX OF DRAWINGS

SUMMARY OF STRUCTURES QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	LANDSCAPING WALL	TRANSITION
206-00100	STRUCTURE BACKFILL (CLASS 1)	CY	1000	
504-08050	STONE LANDSCAPE WALL	SF	1980	
609-24003	GUTTER TYPE 2 (3 FOOT)	LF	360	

Revision Dates (Preliminary Stage Only)

INITIALS | DESIGN | DATE | DETAIL | DATE | QUANTITY | DATE
By
Checked By

$PLOT_INFO$

Print Date: 8/31/2023
File Name: 2204-00360_Wall_Summary.dgn
Horiz. Scale: 40 Vert. Scale: N/A
Unit Information Unit Leader RRS

1601 RIVERFRONT DRIVE, SUITE 204
GRAND JUNCTION, CO 81501
970-450-7474
KLJ

Sheet Revisions

Date:	Comments	Init.

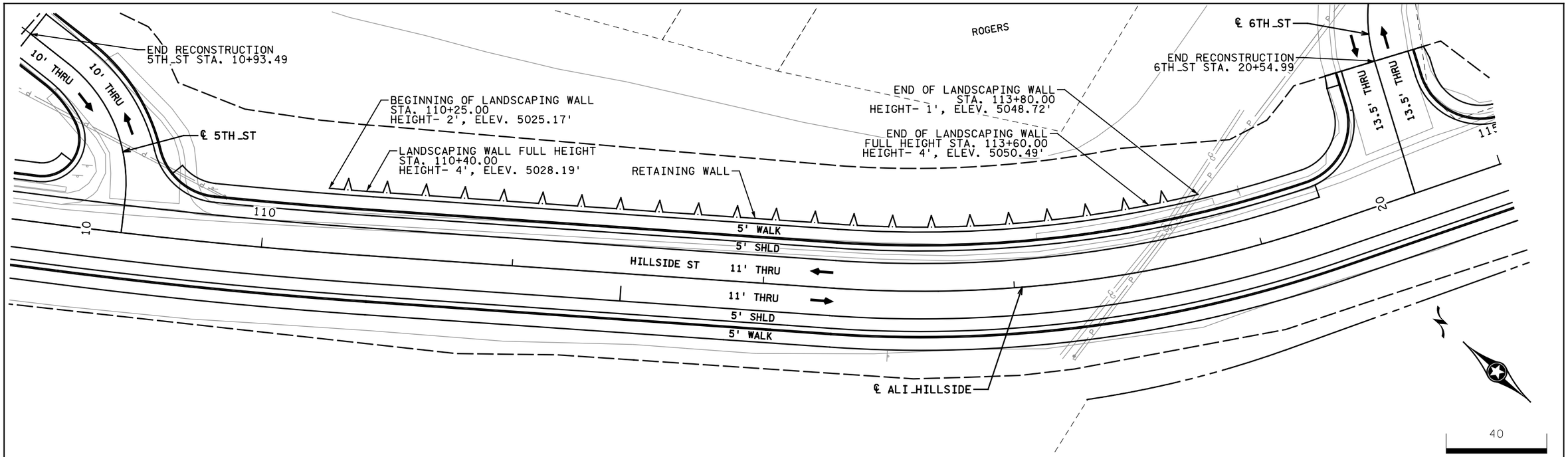
CITY OF DELTA EST. 1882

As Constructed
No Revisions:
Revised:
Void:

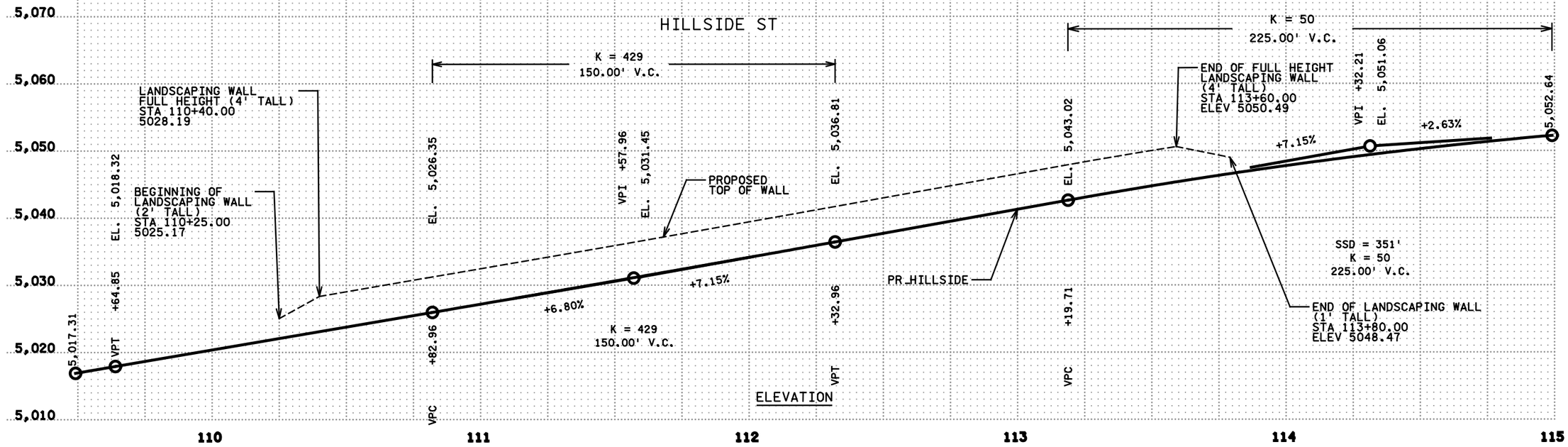
LANDSCAPING WALL GENERAL NOTES & SUMMARY OF QUANTITIES

Designer: RRS
Detailer: MK
Sheet Subset: CONST
Structure Numbers:
Subset Sheets: W01 of 3

Project No./Code
C M315-008
24829
Sheet Number 61



PLAN



ELEVATION

Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
Checked By						

Print Date:	8/29/2023		
File Name:	2204-00360_Wall_GeneralLayout.dgn		
Horiz. Scale:	N/A	Vert. Scale:	N/A
Unit Information		Unit Leader	RRS

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GRAND JUNCTION, CO 81501
970-450-7474

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Sheet Revisions

Date:	Comments	Init.

CITY OF DELTA EST. 1882

As Constructed

No Revisions:

Revised:

Void:

LANDSCAPING WALL GENERAL LAYOUT

Designer:	RRS	Structure Numbers	
Detailer:	MK		
Sheet Subset:	WALL	Subset Sheets:	W02 OF 3

Project No./Code: C M315-008

24829

Sheet Number 62

$PLOT_INFO$

NOTES:

1. THE WALL SHALL BE A REDI-ROCK GRAVITY WALL OR EQUIVALENT. COLOR SHALL BE APPROVED BY OWNER PRIOR TO ORDERING AND TEXTURE SHALL BE LIMESTONE. MANUFACTURER SHALL PROVIDE WALL DESIGN TO ENGINEER FOR VERIFICATION PRIOR TO ORDERING MATERIALS.

2. WHERE THE WALL IS IN CUT, THE CONTRACTOR SHALL ENSURE THE CUT SLOPE IS STABLE DURING THE ENTIRE PERIOD OF WALL CONSTRUCTION AND CERTIFIED BY A GEOTECHNICAL ENGINEER.

3. STRUCTURAL BACKFILL CLASS 1 SHALL BE USED.

4. SEE M-STANDARD SHEET M-206-1 FOR EXCAVATION AND BACKFILL REQUIREMENTS.

5. EXTERNAL, INTERNAL, AND GLOBAL STABILITY FOR THE SITE SOIL CONDITIONS AND LOADING SHALL BE ADDRESSED AND SATISFIED BY THE WALL SUPPLIER IN CONFORMANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS AND 2022 CDOT STANDARD SPECIFICATIONS. ALL CALCULATIONS SHALL BE SUPPLIED TO THE ENGINEER. ANY REMEDIATION NEEDED SHALL NOT BE PAID SEPARATELY, BUT SHALL BE INCLUDED IN THE WORK.

6. LEVELING PADS, DRAINAGE PIPES, GEOTEXTILE FABRIC, INFILL STONE, CONCRETE BLOCKS, AND ANY OTHER MATERIAL REQUIRED BY THE MANUFACTURER OF THE WALL SHALL NOT BE PAID SEPARATELY, BUT SHALL BE INCIDENTAL TO PAY ITEM 504 STONE LANDSCAPE WALL.

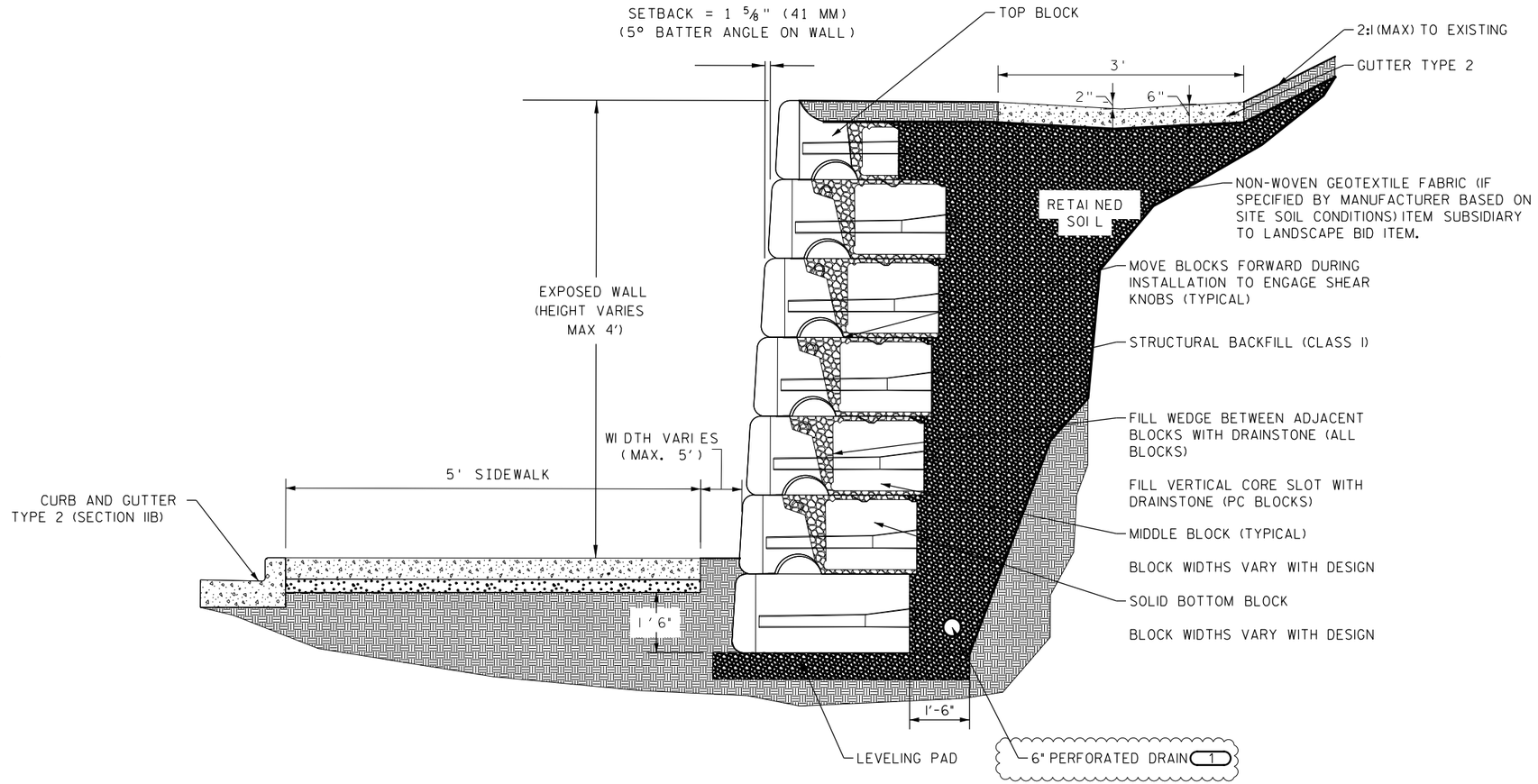
7. UNDERDRAINS SHALL FOLLOW THE LONGITUDINAL SLOPE OF THE ADJACENT GROUND OR HAVE A MIN SLOPE OF 0.50%, WHICHEVER IS GREATER.

8. ALL EXTRA EXCAVATION AND BACKFILL MATERIAL AND LABOR NECESSARY TO INSTALL THE PERFORATED PIPE DRAINS AT THE MINSLOPE SHALL BE INCIDENTAL TO PAY ITEM 504 STONE LANDSCAPE WALL.

9. DRAINAGE PIPE SHALL BE PERFORATED BEHIND THE WALL. BEYOND THE WALL THE DRAINAGE PIPE SHALL BE NON-PERFORATED TO CONNECT TO THE MANHOLE OR INLET.

10. UNDERDRAINS SHALL TIE (SHOWN ON DRAINAGE SHEETS AND GENERAL LAYOUT SHEET). CONTRACTOR TO EITHER CORE THE PROPOSED MANHOLE ON-SITE TO MAKE THE DRAIN CONNECTION. ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO CONNECT TO THE PROPOSED MANHOLE SHALL BE INCLUDED IN THE WORK.

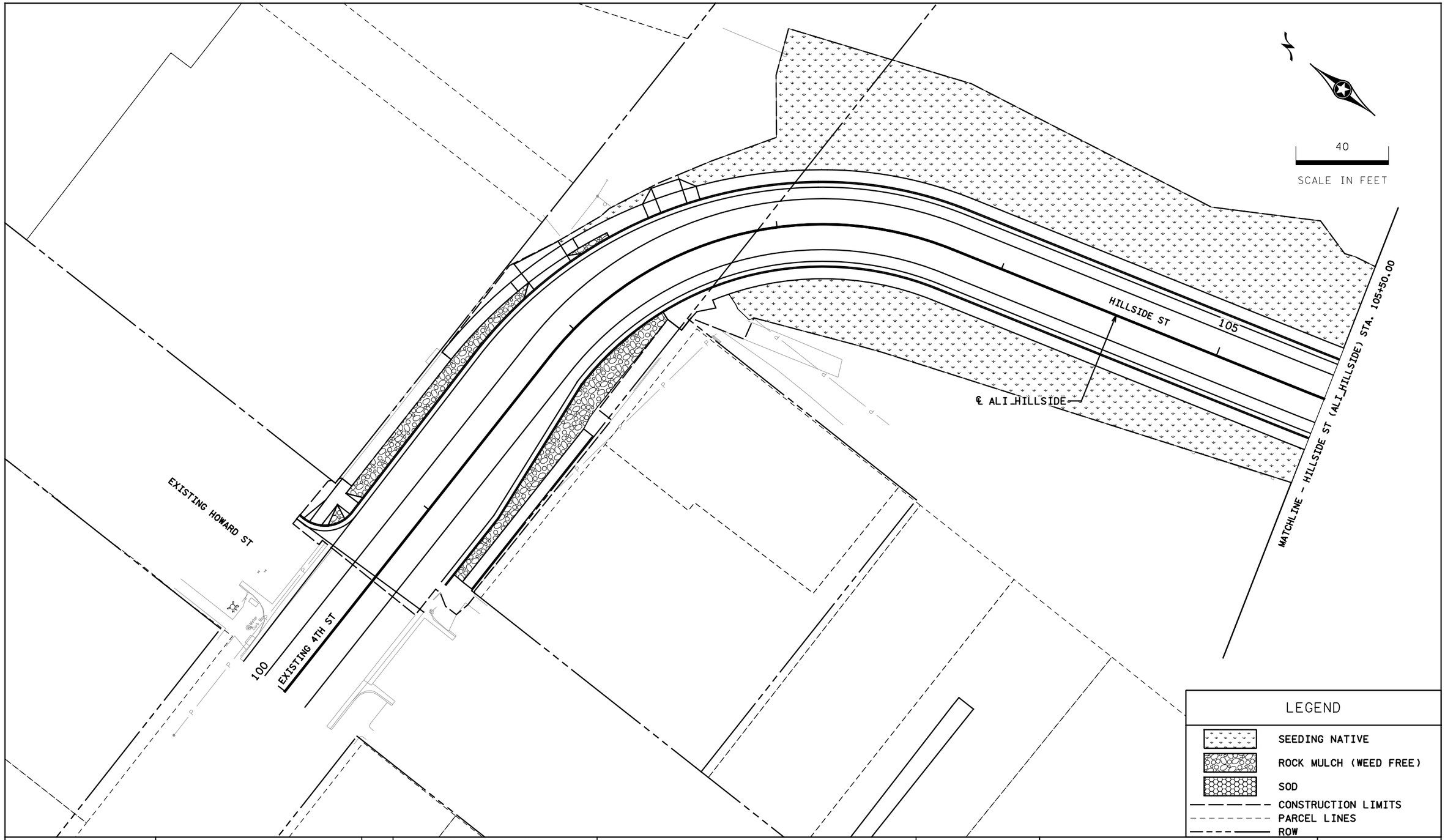
11. LEVELING PAD SHALL MEET THE REQUIREMENTS OF THE MANUFACTURER AND CDOT 601 SPECIFICATIONS.



SECTION A / W02

Print Date: 10/4/2023		Sheet Revisions			As Constructed	LANDSCAPING WALL DETAILS	Project No./Code
File Name: 2204-00360_Wall_Details.dgn		Date:	Comments	Init.	No Revisions:		C M315-008
Horiz. Scale: 40 Vert. Scale: N/A	1	10/4/23	CHANGED 4" TO 6"	RRS	Revised:	Designer: RRS / Detailer: MK / Sheet Subset: WALL	Structure Numbers: 24829
Unit Information Unit Leader RRS					Void:	Subset Sheets: W03 OF 3	Sheet Number 63
1601 RIVERFRONT DRIVE, SUITE 204 GRAND JUNCTION, CO 81501 970-450-7474 KLJ							

10/4/2023



Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
Checked By						

$PLOT_INFO$

Print Date: 8/29/2023
File Name: 2204-00360ENVI_Landscape_PP_01.dgn
Horiz. Scale: 40 Vert. Scale: N/A
Unit Information Unit Leader RRS

1601 RIVERFRONT DRIVE, SUITE 204
GRAND JUNCTION, CO 81501
970-450-7474
KLJ

Sheet Revisions

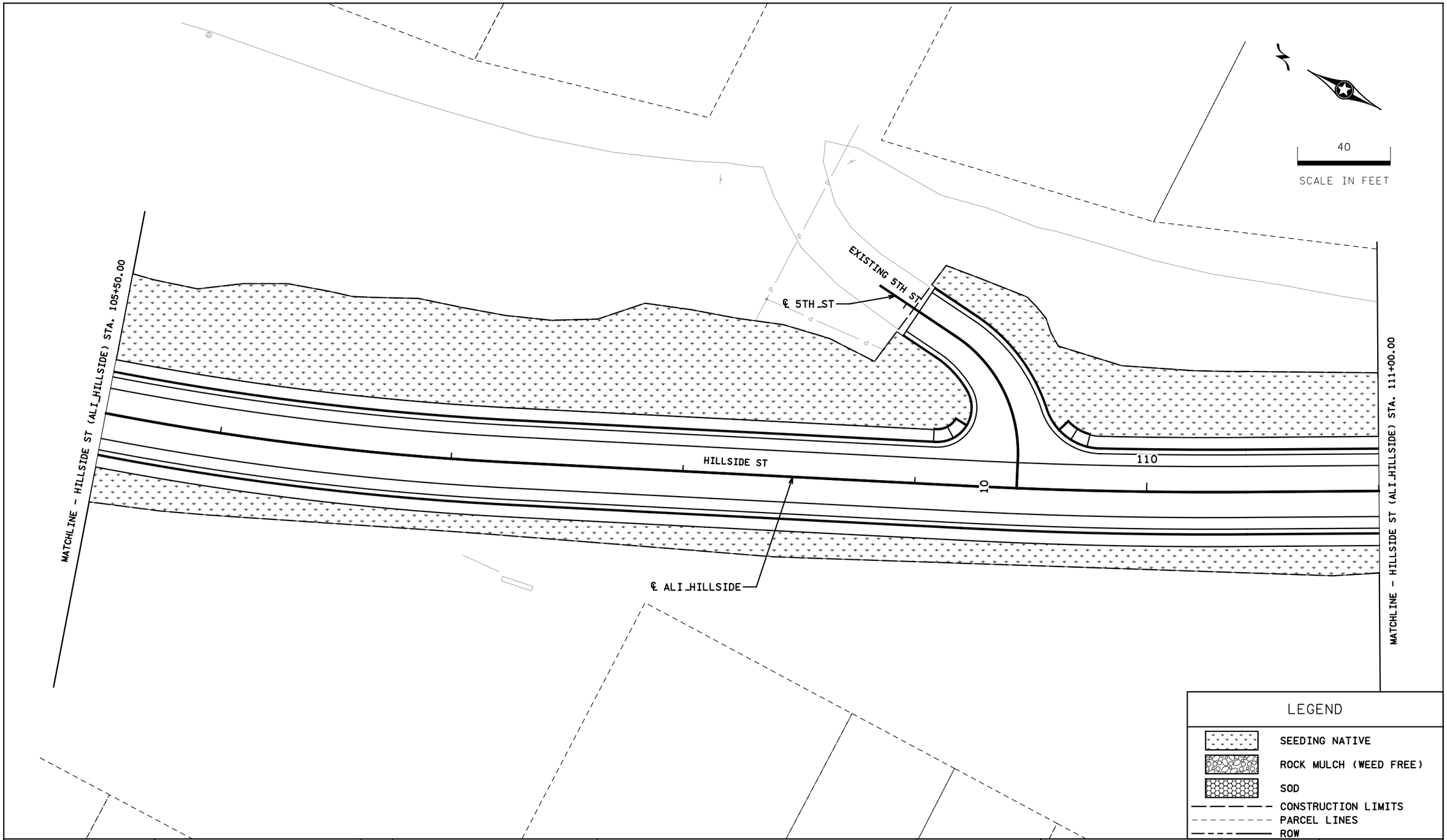
Date:	Comments	Init.

As Constructed
No Revisions:
Revised:
Void:

LANDSCAPING PLANS

Designer: RRS
Detailer: MDG
Sheet Subset:
Structure Numbers
Subset Sheets: 1 of 5

Project No./Code
C M315-008
24829
Sheet Number 64



Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
Checked By						

$PLOT_INFO$

Print Date: 8/29/2023
File Name: 2204-00360ENVI_Landscape_PP_02.dgn
Horiz. Scale: 40 Vert. Scale: N/A
Unit Information Unit Leader RRS

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KLJ

Sheet Revisions

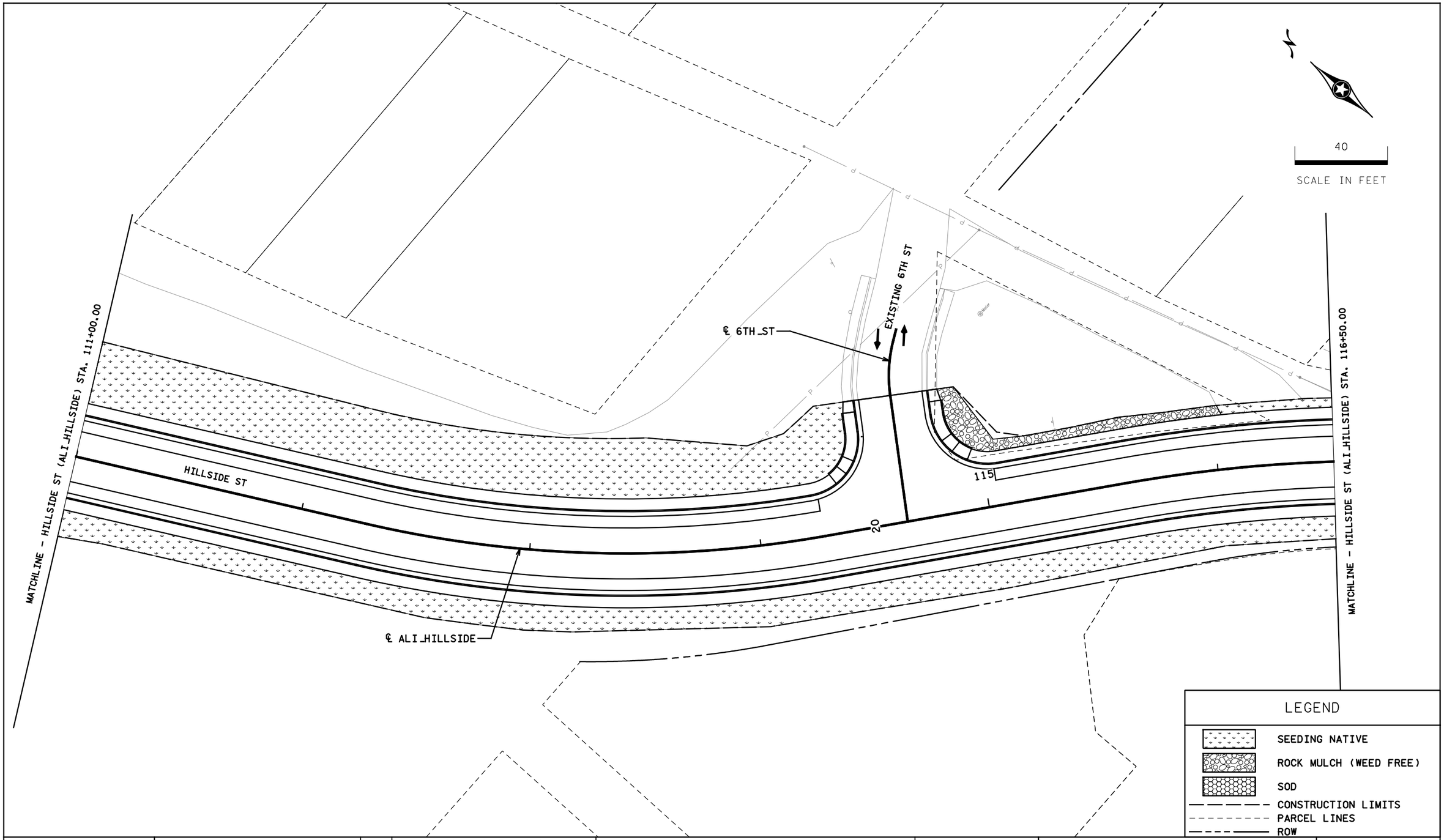
Date:	Comments	Init.

As Constructed
No Revisions:
Revised:
Void:

LANDSCAPING PLANS

Designer: RRS
Detailer: MDG
Sheet Subset:
Structure Numbers
Subset Sheets: 2 of 5

Project No./Code
C M315-008
24829
Sheet Number 65



Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
Checked By						

$PLOT_INFO$

Print Date: 8/29/2023
File Name: 2204-00360ENVI_Landscape_PP_03.dgn
Horiz. Scale: 40 Vert. Scale: N/A
Unit Information Unit Leader RRS

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Sheet Revisions

Date:	Comments	Init.

CITY OF DELTA EST. 1882

As Constructed
No Revisions:
Revised:
Void:

LANDSCAPING PLANS

Designer: RRS
Detailer: MDG
Sheet Subset:
Structure Numbers
Subset Sheets: 3 of 5

Project No./Code
C M315-008
24829
Sheet Number 66

MATCHLINE - HILLSIDE ST (ALI_HILLSIDE) STA. 116+50.00

MATCHLINE - HILLSIDE ST (ALI_HILLSIDE) STA. 122+00.00

EXISTING LEON ST

30

120

℄ ALI_HILLSIDE

℄ LEON_ST

EXISTING LEON ST

N

40

SCALE IN FEET

LEGEND

- SEEDING NATIVE
- ROCK MULCH (WEED FREE)
- SOD
- CONSTRUCTION LIMITS
- PARCEL LINES
- ROW

Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
Checked By						

$PLOT_INFO$

Print Date: 8/29/2023
File Name: 2204-00360ENVI_Landscape_PP_04.dgn
Horiz. Scale: 40 Vert. Scale: N/A
Unit Information Unit Leader RRS

1601 RIVERFRONT DRIVE, SUITE 204
GRAND JUNCTION, CO 81501
970-450-7474
KLJ

Sheet Revisions

Date:	Comments	Init.

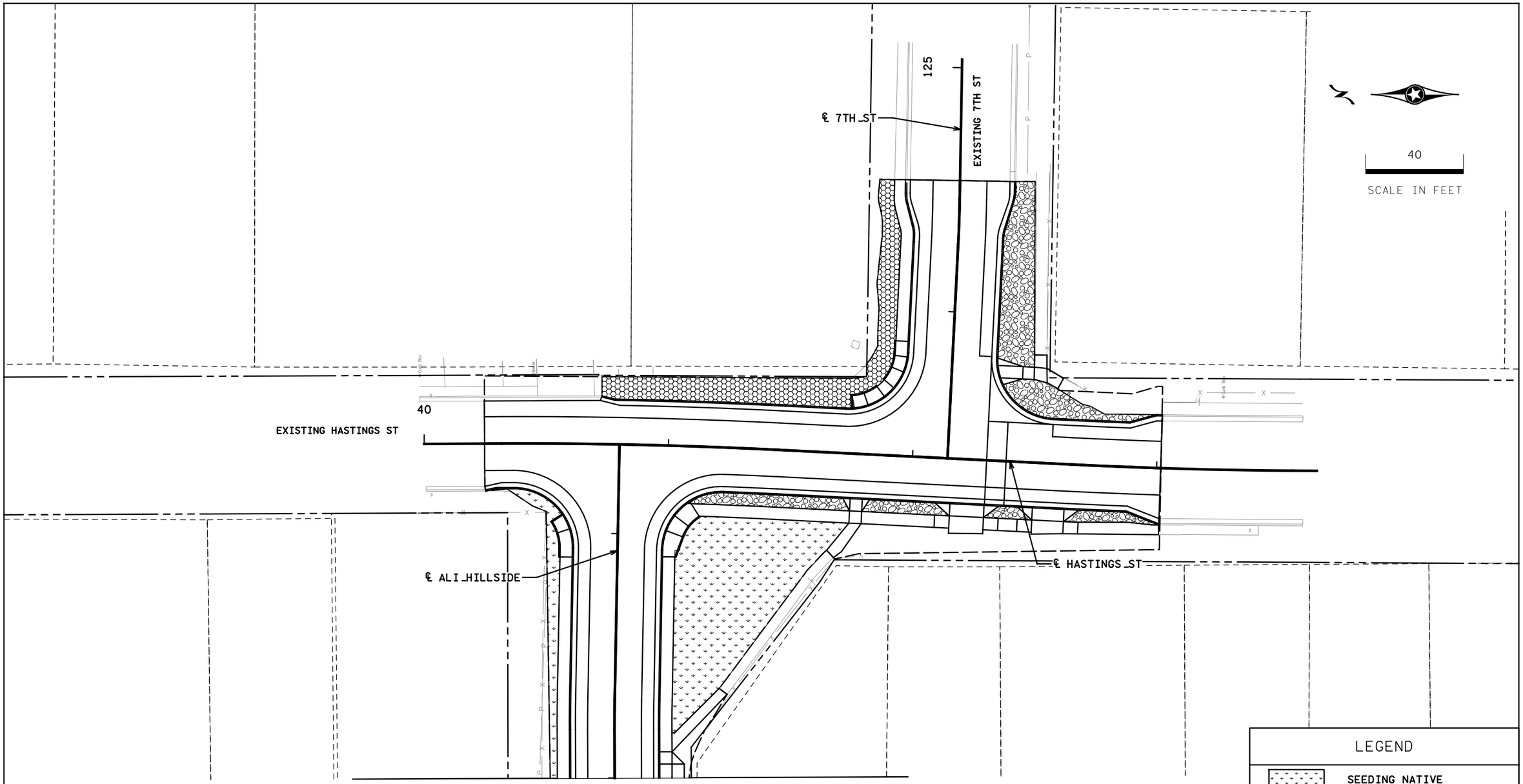
CITY OF DELTA EST 1882

As Constructed
No Revisions:
Revised:
Void:

LANDSCAPING PLANS

Designer: RRS
Detailer: MDG
Sheet Subset:
Structure Numbers
Subset Sheets: 4 of 5

Project No./Code
C M315-008
24829
Sheet Number 67



Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
Checked By						

$PLOT_INFO$

Print Date: 8/29/2023
File Name: 2204-00360ENVI_Landscape_PP_05.dgn
Horiz. Scale: 40 Vert. Scale: N/A
Unit Information Unit Leader RRS

1601 RIVERFRONT DRIVE, SUITE 204
GRAND JUNCTION, CO 81501
970-450-7474
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Sheet Revisions

Date:	Comments	Init.

CITY OF DELTA EST. 1882

As Constructed
No Revisions:
Revised:
Void:

LANDSCAPING PLANS

Designer: RRS
Detailer: MDG
Sheet Subset:
Structure Numbers
Subset Sheets: 5 of 5

Project No./Code
C M315-008
24829
Sheet Number 68

1. SITE DESCRIPTION

The Contractor shall comply with all CDOT contractual requirements, and all requirements associated with the CDPS-SCP on this project. The SWMP Administrator for Construction shall update the SWMP to reflect current project site conditions.

A. PROJECT SITE LOCATION:
The proposed Hillside Reconstruction Project is located on Hillside Street between 4th Street and 7th Street in Delta Colorado, coordinates 38°44'25.62"N and 108° 3'54.54"W, approximately 0.3 miles from Main Street in Delta.

Location or address of construction office: TBD

B. PROJECT SITE DESCRIPTION:
The project will consist of removing the current road surface and reconstructing it with improved road conditions by adjusting curves and intersections.

Construction activities will consist of:

- Removal of asphalt, removal of guardrail, removal of sidewalk, removal of curb and gutter, removal of fencing, removal of pipe, removal of vegetation, etc.
- Resetting signs
- Paving
- Excavation
- Grading and placement/compaction of fills
- Landscaping, seeding, and other resets

After completion of work, the construction area will be returned to its pre-disturbance conditions.

C. PROPOSED SCHEDULE FOR SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES:
Stabilize all areas that are not paved or landscaped through establishment of vegetation cover.

A general sequence of events is given below. The actual sequencing will depend on the contractor's means and methods:

- N.O.I.
- Establishment of construction limits
- Installation of vehicle tracking control
- Relocation of utilities
- Clearing, grubbing, and demolition
- Grading
- Installation of the road corridor to consist of road base, concrete, and asphalt
- Finishing and restoration of the construction area
- N.O.T./permit closeout

D. ACRES OF DISTURBANCE:
1. Total area of construction site (LOC (PERMITTED AREA)): 4.762 acres
2. Total area of proposed disturbance (LDA): 4.762 acres
3. Total area of seeding: 1.370 acres
4. Total area of pre-project impervious surface: 138,554 sq. ft.
5. Total area of final impervious surface: 140,544 sq. ft.

E. EXISTING SOIL DATA:
Data Source(s): https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx

The following soil types and hydrologic soil groups were listed for the project area on the NRCS Web Soil Survey (WSS). Urban Land. Web Soil Survey did not give a hydrologic soil group. Surrounding areas have Hydrologic Soil Groups C and D.

- Urban Land

F. EXISTING VEGETATION, INCLUDING PERCENT OF VEGETATIVE COVER:
During design, the SWMP Administrator for Design in consultation with the Engineer will determine if the SWMP Administrator for Design or the SWMP Administrator for Construction will conduct the Vegetation Transects. If the site is disturbed, an Adequate Reference Site(s) may be utilized, refer to the permit.

Pre-Construction Date of survey: 7/1/2022 Percent Existing Vegetative Cover: 29%
Description of existing vegetation: 0
Method for determining percent vegetative cover: Visual inspection
Include a map or table showing transect locations, photos documenting pre-Construction vegetative cover, and methodology used to determine existing vegetative cover to SWMP tab 17:

Post-Construction Date of survey: _____ Percent Vegetative Cover: _____
Description of vegetation:
The method used to determine pre-construction percent cover shall be used to determine post construction percent cover.
Include map or table showing transect locations, photos documenting post-Construction vegetative cover, and methodology used to determine existing vegetative cover to SWMP tab 17:

G. POTENTIAL POLLUTANTS SOURCES:
Refer to Potential Pollutant Sources in SWMP Section 4A. The SWMP Administrator for Construction shall prepare a list of all potential pollutants and their locations in accordance with subsection 107.25.

Pollutant	Potential Sources	SWCMs for Pollutant
Soil/Earthwork Materials/Sediment	Erosion of exposed soil, dust, drainages, stockpiles, vehicle tracking, etc.	Sediment Control Log, Silt Fence, Earthen Dike, Surface Hardening, Rock Socks, Inlet & Outlet protection, Street Sweeping, etc.
Toxic Chemicals (paints, fertilizers, trash, fuels/lubricants, etc.)	Poor storage and handling of materials, spills, illegal dumping, pesticide application, etc.	Handling and storage per Manufacturer's recommendations, Spill Prevention, Control, and Counter Measures
Bacteria (Sanitary Waste)	Septic/sewer waste, pet & wildlife waste, etc.	Port-a-potties; Spill Prevention, Control, and Counter Measures
Nutrients (Fertilizers)	Fertilizers, decaying plant and animal waste, etc.	Handling, storage, and application of fertilizers per Manufacturer's recommendations; Spill Prevention, Control, and Counter Measures
Oxygen Demand	Sediment, nutrients, organics, and other pollutants (particulates and soluble)	See SWCMs for pollutants above
Fuels, Oils, and Greases	Equipment fueling & maintenance, illegal dumping, atmospheric deposition etc.	Spill Prevention, Control, and Counter Measures
Litter/Trash	Human Activities	Good Housekeeping
Metals	Paved areas, building materials, recyclable materials, atmospheric deposition, etc.	Material Handling and Storage per Manufacturer's recommendations, Spill Prevention, Control, and Counter Measures
Elevated Water Temperatures	Sunlight, impervious areas, shallow storage of water, etc.	Proper maintenance of SWCMs
Concrete Wash-out Wastewater	Washing out of concrete trucks and concrete tools	Installation & use of a concrete wash-out area

H. DRAINAGE PATTERNS AND RECEIVING WATER(S):
1. Description of drainage patterns from the Site:
Stormwater from the site is discharged into the city's stormwater sewer system along the streets. Hillside Street's existing watershed totals 19.06 acres. Stormwater runoff from 75% of the watershed, or 14.29 acres, drains via overland flow and curb and gutter into the City of Delta storm sewer system via grates at the intersection of Grand Avenue and E 4th Street. Of the remaining 25%, half drains to a grate at the intersection of E 7th Street and Leon Street; the other half drains to a grate at the intersection of E 7th Street and A Street.
2. Names of immediate and ultimate receiving water(s) on site: The grate at E 7th Street and Leon drains to Lane Ditch. The
3. Description of all stream crossings located within the Construction Site Boundary: There are no stream crossings within the project area.

Location [Station or Mile Post]	Stream Name	Description Of Any Disturbed Upland Areas

I. ALLOWABLE NON-STORMWATER DISCHARGES:

Discharge Description	Site Map #	Method Statement (Location)
Uncontaminated Springs		
Concrete Washout Water (in-ground washout structure)#		
Landscape Irrigation Return Flows		
Discharges from Diversions of State Waters		
Emergency Fire Fighting		

#Concrete washout water associated with the washing of concrete tools and concrete mixer chutes can be discharged to the ground if site is managed accordingly to prevent the water from leaving the site as surface runoff or reaching receiving waters.

J. DIVERSION CRITERIA:
1. Is a diversion planned for the Site? Yes _____ No __X__.
2. If yes, complete information below:
   a. What is the 2-year peak flow for the waterway being diverted (cubic feet per second)?
   b. What are the monthly averages if available? (provide averages for Jan- Dec if available)
   c. What is the upstream contributing drainage area and imperviousness?
   d. A method statement must be prepared by the Contractor and approved by CDOT for each diversion. Diversion structures must minimize soil transport and erosion within the entire diversion, minimize erosion during discharge, and minimize run-on into the diversion and meet the conditions in the SCP.
   e. If the conditions in the SCP cannot be met and an alternative is required, CDOT must approve the alternative and then it must be submitted and approved by CDPHE's Water Quality Control Division prior to implementation.

K. ALTERNATIVE TEMPORARY STABILIZATION SCHEDULE:
[If applicable, provide a description of the alternative temporary stabilization schedule. If temporary stabilization exceeds the 14-day schedule, then the SWMP must document the constraints necessitating the alternative schedule, provide the alternative schedule, and identify all the locations where the alternative schedule is applicable on the site map. Alternative temporary stabilization schedules must be approved by CDOT prior to implementation]

Print Date: 8/29/2023
File Name: ...\2204-00360_ENVI_SWMP Narrative.dgn
Horiz. Scale: N/A Vert. Scale: N/A
Unit Information Imperial Unit Leader RRS

KLJ

Sheet Revisions

Date:	Comments	Init.

CITY OF DELTA EST. 1882

As Constructed
No Revisions:
Revised:
Void:

STORM WATER MANAGEMENT PLAN NARRATIVE

Designer: RRS
Detailer: MDG
Sheet Subset: GEN
Structure Number:
Subset Sheets: 1 of 6

Project No./Code: C M315-008
24829
Sheet Number 69

$PLOT_INFO$

2. SITE MAP COMPONENTS:

Pre-construction

A. PROJECT CONSTRUCTION POTENTIAL SITE BOUNDARIES:
Sheet 29 - 33

B. FLOW ARROWS THAT DEPICT STORMWATER FLOW DIRECTIONS ON-SITE, RUN-ON AND RUNOFF DIRECTION:
Sheet 53 - 56

C. ALL AREAS OF GROUND SURFACE DISTURBANCE:
Sheet 64 - 68

D. AREAS OF CUT AND FILL:
Sheet 87 - 107

E. AREAS USED FOR STORING AND STOCKPILING OF MATERIALS, STAGING AREAS (field trailer, fueling, etc.) and LOCATIONS OF ALL WASTE ACCUMULATION and BATCH PLANTS INCLUDING MASONRY MIXING STATIONS:
Sheet 76

F. LOCATION OF ALL STRUCTURAL CONTROL MEASURES IDENTIFIED IN THE SWMP:
Sheet 64 - 68 & 76 - 80

G. LOCATION OF NON-STRUCTURAL CONTROL MEASURES AS APPLICABLE IN THE SWMP:
Sheet 64 - 68 & 76 - 80

H. SPRINGS, STREAMS, WETLANDS, DIVERSIONS, AND OTHER STATE WATERS, INCLUDING AREAS THAT REQUIRE PRE-EXISTING VEGETATION BE MAINTAINED WITHIN 50 FEET OF A RECEIVING WATER:
N/A

I. LOCATIONS OF ALL STREAM CROSSING LOCATED WITHIN THE CONSTRUCTION SITE BOUNDARY:
There are no known stream crossings located within the construction site boundary.

J. PROTECTION OF TREES, SHRUBS, SENSITIVE HABITAT, AND CULTURAL RESOURCES:
Sheet 18 - 22

K. LOCATIONS WHERE ALTERNATIVE TEMPORARY STABILIZATION SCHEDULES APPLY:
None

3. QUALIFIED STORMWATER MANAGERS:

A. SWMP ADMINISTRATOR FOR DESIGN:
CDOT Certified Individual responsible for developing SWMP Plan Sheets and SWMP Site Maps during the design phase.

Name/Title	Contact Information [phone & email]	Certification #
Evan Lavin, EIT	970-450-7782; evan.lavin@kljeng.com	C9E05407

B. SWMP ADMINISTRATOR FOR CONSTRUCTION: (As defined in Section 208) The Contractor shall designate a SWMP Administrator for Construction upon accepting co-permittee of the permit. The SWMP Administrator for Construction shall become the operator for the SWMP and assume responsibility for all design changes to the SWMP implementation and maintenance in accordance to 208.03, the SWMP shall remain the property of CDOT. The SWMP Administrator for Construction shall be responsible for implementing, maintaining and revising SWMP, including the title and contact information. The activities and responsibilities of the SWMP Administrator for Construction shall address all aspects of the project's SWMP. (Update the information below for each new SWMP Administrator for Construction) (A copy of TECS Certification must be included in the SWMP.)

Name/Title	Contact Information (phone & email)	Certification #	Start Date	Engineer Approval

C. EROSION CONTROL INSPECTOR: (As defined in Section 208) The Contractor may designate an Erosion Control Inspector. The Erosion Control Inspector shall complete duties in accordance with subsection 208.03 (c) (Copy of TECS Certification must also be included in the SWMP.)

Name/Title	Contact Information (phone & email)	TECS Certification #	Start Date	Engineer Approval

D. PERMANENT STABILIZATION SUBJECT MATTER EXPERT: This qualified individual will be either a Regional Environmental Staff member, or an Independent Contractor Controller (Independent Assurance Program). This expert is a project team leader responsible for ensuring project adherence to requirements of the 207 and 212 Project Special Provisions as follows and will be available for questions regarding permanent stabilization requirements.

1. Review the Topsoil Management Plan and the Permanent Stabilization Site Maps.
2. Attend the Environmental Pre-Construction Conference.
3. Coordinate the Site Pre-Vegetation Conference.
4. Review and recommend approval of products.
5. Review and recommend approval of the Quantities Verification Prerequisite.
6. Attend the Partial Landscape Completion Walkthrough.
7. Attend the Final Landscape Completion Walkthrough.

Name/Title	Contact Information [phone & email]
TBD	TBD

4. STORMWATER MANAGEMENT CONTROLS FOR FIRST CONSTRUCTION ACTIVITIES

THE CONTRACTOR SHALL PERFORM THE FOLLOWING:

A. POTENTIAL POLLUTANT SOURCES:
Evaluate, identify, locate and describe all potential sources of pollutants at the site in accordance with subsection 107.25, CDPS-SCP and place in the SWMP. All control measures related to potential pollutants shall be shown on the SWMP Site Map by the Contractor's SWMP Administrator for Construction.

See Section 1G and sheets 71 -75

B. OFFSITE DRAINAGE (RUN ON WATER):
Describe and record control measures on the SWMP Site Map that have been implemented to address off site run-on water in accordance with subsection 208.03.

C. VEHICLE TRACKING CONTROL:
Control measures shall be implemented in accordance with subsection 208.04.

Vehicle tracking control (VTC) or stabilized entry-ways (SEW) will be installed at entrances/exits between stabilized and unstabilized areas. A detail for the vehicle tracking control and stabilized entry-way SWCMs can be found in Appendix D. If tracking does occur, a street-sweeper will be utilized to mitigate the tracking.

D. PERIMETER CONTROL:
1. Perimeter control shall be established as the first item on the SWMP to prevent the potential for pollutants leaving the construction site boundaries, entering the stormwater drainage system, or discharging to state waters. Perimeter control shall be in accordance with subsection 208.04
2. Perimeter control may consist of berms, silt fence, erosion logs, existing landforms, or other control measures as approved.

5. DURING CONSTRUCTION

RESPONSIBILITIES OF THE SWMP ADMINISTRATOR FOR CONSTRUCTION: Considered a "living document", the SWMP is continuously reviewed and modified throughout the construction phases. During construction, SWMP Administrator for Construction shall add, update, or amend the items A-G below as needed in accordance with subsection 208.03.

During construction, indicate how items that were not addressed during design are being handled in construction. If items are covered in other sections of the SWMP, indicate below what section the discussion takes place.

A. MATERIALS HANDLING AND SPILL PREVENTION AND RESPONSE PLAN: Prior to construction commencing the Contractor shall submit a Spill Response Plan. Materials handling and Spill Response Plan shall be in accordance with subsection 208.06.

B. OTHER CDPS PERMITS: List applicable CDPS permits associated with the permitted site and activities.

C. STOCKPILE MANAGEMENT: Shall be done in accordance with subsections 107.25 and 208.07.

D. CONCRETE WASHOUT: Concrete washout water or waste from field laboratories and paving equipment shall be contained in accordance with subsection 208.05.

E. SAW CUTTING: Shall be done in accordance with subsections 107.25, 208.04, 208.05

F. STREET SWEEPING: Shall be done in accordance with subsection 208.04.

6. INSPECTIONS

A. Water Quality Inspections shall be in accordance with subsection 208.03(c).

B. Permanent Stabilization Inspections shall be in accordance with subsections 208.04(e)4 and 208.10.

7. CONTROL MEASURE MAINTENANCE

Maintenance shall be in accordance with subsection 208.04(f).

8. RECORD KEEPING

Records shall be kept in accordance with subsection 208.03(d).

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STORM WATER MANAGEMENT PLAN NARRATIVE

Designer: RRS
Detailer: MDG
Sheet Subset: GEN
Structure Number
Subset Sheets: 2 of 6

Project No./Code
C M315-008
24829
Sheet Number 70

9. INTERIM, PERMANENT STABILIZATION and LONG-TERM STORMWATER MANAGEMENT

The Contractor shall comply with all interim stabilization and permanent stabilization requirements in accordance with subsection 208.04(e).

A. SEEDING PLAN:
The following seed mix(es) and rates are for drill seeding method as shown on the Permanent Stabilization Site Maps shall be used:

COMMON NAME	BOTANICAL NAME	LBS. PLS PER ACRE
Sand Dropseed	*Sporobolus cryptandrus*	0.375
Alkali Sacton	*Sporobolus airoides*	0.75
Indian Ricegrass	*Achnatherum hymenoides* "Rimrock" or "Paloma"	4.5
Sideoats Grama	*Bouteloua curtipendula* "Vaughn"	4.5
Little Bluestem	*Schizachyrium scoparium* "Cimarron"	4.5
Galleta Grass	*Pleuraphis jamesii* "Viva"	4.5
Scarlet Globemallow	*Sphaeralcea coccinea*	0.075
Annual Sunflower	*Helianthus annuus*	0.075
Winterfat	*Krascheninnikovia lanata*	0.375
	Total	**19.65**

B. SEEDING APPLICATION METHOD:
The following seeding methods shall be used for all areas shown on the Permanent Stabilization Site Maps. Soil compaction shall be minimized for areas where permanent stabilization will be achieved through vegetative cover.

Pay Item	Seeding Method (subsection 212.05)	Acre
212-00707	Seeding (Native) Hydraulic	1.521
	Total	1.521

C. SOIL STABILIZATION METHODS:
Minimum soil stabilization methods (attached mulch) for all disturbances to receive seeding.
1. Apply a minimum of 2 tons/ac certified weed free hay or 2 ½ tons/ac of certified weed free straw and mechanically crimp into the soil in combination with natural mulch tackifier in accordance with Section 213. Prior to winter shutdown or the summer seeding window closure: Uncompleted slopes shall be mulched with 2 tons of mulching (weed free) per acre, mechanically crimped into the topsoil in combination with an organic mulch tackifier in accordance with Sections 208 and 213.
2. Apply Spray-on Mulch Blanket hydraulically in accordance with Section 213.
3. Apply Bonded Fiber Matrix hydraulically accordance with Section 213.
4. Install Soil Retention Blankets in accordance with Standard Plan M-216-1 and Section 216.

D. SPECIAL REQUIREMENTS:
1. Soil amendments, seedbed preparation, and permanent stabilization mulching shall be accomplished within four working days of placing the topsoil on the de-compacted civil subgrades. If placed topsoil is not mulched with permanent stabilization mulch within four working days, the Contractor shall complete interim stabilization methods in accordance with subsection 208.04(e) at no additional cost to the Department.
2. Complete permanent stabilization mulching within 24 hours of hydraulic application of native seed.
3. The Contractor shall submit a proposed Permanent Stabilization Phasing Plan to the Engineer for approval showing how implementation of SWMP Permanent Stabilization Plans will minimize damage to seeded areas.

E. SOIL AMENDMENT REQUIREMENTS: Minimum amendment material requirements for all disturbances to receive seeding.

1.521 Total Acres of Seeding (Native) Hydraulic With Topsoil Generated From

	Pay Item	Description	Amount/Acre	Units	Total For This Method
Seeding (Native) Hydraulic Pay Item 212-00707	212-00700	Organic Fertilizer High or Low N	N/A	Pounds	
	212-00702	Biotic Soil Amendments (Hydraulically Applied)	3500	Pounds	
	212-00703	Humate	200	Pounds	
	212-00704	Mycorrhizae	N/A	Pounds	

F. Permanent Stabilization Application Under Structures:
Under structures shade patterns should be considered and the use of Median Cover Material (Stone) or other stabilized options with an approved Project Special Provision should be used. No structures are involved in this project.

G. RESEEDING OPERATIONS/CORRECTIVE STABILIZATION:
Prior to stormwater construction work partial acceptance.
1. All seeded areas shall be reviewed by the SWMP Administrator for Construction and or Erosion Control Inspector for bare soils caused by surface or wind erosion. Bare areas caused by surface or gully erosion, blown away mulch, etc. shall be re-graded, seeded, and have the designated mulching applied as necessary, at no additional cost to the project.
2. The Contractor shall maintain seeding/mulch/tackifier/blanket/TRM, mow to control weeds or apply herbicide to control weeds in the seeded areas, at no additional cost to the project.

H. LOCATION AND DESCRIPTION OF PLANNED PERMANENT CONTROL MEASURES: Is Permanent Water Quality Required. Yes_____No___X___

10. PRIOR TO PROJECT FINAL ACCEPTANCE

A. When directed by the Engineer, removal and disposal of temporary control measures shall be included in the cost of work.

B. At the end of the project, all ditch checks shall consist of either temporary erosion logs (or equivalent) or permanent riprap.

C. All storm drains shall be cleaned prior to the Final Acceptance of the project. If required, include work in 202-04002 Clean Culvert. [**Check with Region Water Quality staff to see if CLEAN CULVERT PSP is needed and what Pay Item to use.**]

Refer to subsection 208.10 for Items to be completed prior to requesting partial acceptance of water quality work.

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STORM WATER MANAGEMENT PLAN NARRATIVE

Designer: RRS
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Sheet Subset: GEN
Structure Number
Subset Sheets: 3 of 6

Project No./Code
C M315-008
24829
Sheet Number 71

$PLOT_INFO$

11. NARRATIVES

Control Measure Matrixes During Construction:

1. Control measure narratives have been included for the CDOT Standard Specifications and Standard Plan M-208 and M-216 along with any non-standard control measures approved during the design process. If a Non-Standard Control Measure not included in the SWMP is proposed and approved by the Engineer the SWMP Administrator for Construction shall do the following: Place an "X" in the column for non-standard and complete a Non-Standard Control Measure Specification and Narrative covering the what, when, where and why the control measure is being used shall be add to the SWMP. The appropriate "X" shall also be added to the implementation phase(s).
2. The SWMP Administrator for Construction shall place an "X" in the column In Use On Site when the control measure has been installed.
3. A "B" in the Initial Activities Column indicates that the control measure shall be installed **before** construction activity starts. Locations and quantities will be discussed during the Environmental Pre-Construction Conference with the Regional Water Pollution Control Manager.

STRUCTURAL Control Measures that may be potentially used on the project for erosion and sediment control; practices may include, but are not limited to the following:

APPLICATION, CONTROL MEASURE	NARRATIVE	M- 208 STANDARD or "X" for NON-STAN DARD	IN USE ON SITE	CONTROL MEASURE IMPLEMENTATION PHASE		
				INITIAL ACTIVITIES	INTERIM ACTIVITIES	PERMANENT STABILIZATION
PROTECTION OF EXISTING WETLANDS *Fence (plastic) and erosion logs*	Fence (plastic) shall be placed in combination with erosion logs to prevent encroachment of construction traffic and sediment into state waters prior to start of construction disturbances. Fence (plastic) shall be placed adjacent to the wetlands; erosion logs shall be placed between the plastic fence and disturbance area. Logs shall be placed to direct flows away from or filter water running into wetlands from disturbance areas.					
PROTECTION OF EXISTING TREES/LANDSCAPING *Fence (plastic)*	Fence (plastic) shall be used in areas indicated in the plans to prevent encroachment of construction traffic and sediment for the protection of sensitive habitat, mature trees and/or existing landscaping prior to start of construction disturbances.			B	X	
CHECK DAM/DITCH CHECK *Erosion log, silt berm, silt dike, rock check dam*	Placed in ditches immediately upon completion of ditch grading to reduce velocity of runoff in ditch. For existing ditches, place prior to start of construction disturbances.	M-208				
Storm Drain Inlet Protection In Paved Roadways (Type 1, 2 and 3 as shown on M-208-1, sheet 5 of 11)	Manufactured storm drain inlet protection placed prior to construction disturbances as detailed in M-208-1, to protect existing inlets or immediately upon completion of new inlets to prevent sediment from entering the inlet throughout construction.	M-208		B	X	
Storm Drain Inlet Protection In Native Seed Areas (M-604 Standard Inlets Type C and D)	Erosion logs or aggregate bags placed around inlet grate to prevent sediment from entering inlet. Place prior to construction disturbances to protect existing inlets or immediately upon completion of new inlets.	M-208				
CULVERT INLET/OUTLET PROTECTION *Erosion logs, aggregate bags*	Placed at mouth of culvert inlets and over top of culvert at inlet and outlet where disturbance may be occurring adjacent to pipe to prevent sediment laden water from entering pipe or drainage. Place prior to the start of construction disturbances.	M-208		B	X	
TYPE C, TYPE D AND TYPE 13 PROTECTION *Erosion logs, aggregate bags, erosion bales*	Placed around inlet grate or slope and ditch paving to prevent sediment from entering inlet. Place prior to the start of construction disturbances.	M-208		B	X	
STOCKPILE PROTECTION *Temporary berm, erosion logs, aggregate bags**	Placed within specified distance, in accordance with subsection 208.06, from toe to contain sediment around stockpile. *Aggregate bags are easily moved and replaced for access during the work day. Place prior to start of stockpiling, increase control as the stockpile increases size.	M-208		X	X	
TOE OF FILL PROTECTION *Erosion logs, temporary berm, silt fence, topsoil windrow**	Place prior to slope/embankment work to capture sediment and protect and delineate undisturbed areas. *Can be used to stockpile topsoil for salvage.	M-208		X	X	
PERIMETER CONTROL *Erosion logs, silt fence, temporary berm, topsoil windrow**	Placed prior to construction commencing to address potential run-on water from off site, and to divert around disturbed area. *Can be used to stockpile topsoil for salvage.	M-208		B	X	
SLOPE CONTROL *Silt fence, erosion logs*	Placed on the contour of a slope to contain and slow down construction runoff. Place prior to the start of construction disturbances.	M-208		X	X	
TEMPORARY SEDIMENT TRAP	Used to capture sediment laden runoff from disturbed areas < 5 acres during construction. Place prior to the start of construction disturbances. Outlets that withdraw water from or near the surface may be installed when discharging from basins and impoundments.	M-208		X	X	
TEMPORARY SLOPE DRAIN	Placed as a conduit or chute to drain runoff down slope and to prevent erosion of slope.	M-208			X	
OUTLET PROTECTION *Riprap, or approved other*	Material placed as an energy dissipater to prevent erosion at outlet structure.	M-601-12			X	
CONCRETE WASHOUT *In-ground or fabricated*	Construction control, used for waste management of concrete and concrete equipment cleaning. Place prior to the start of concrete activities.	M-208			X	
VEHICLE TRACKING PAD	Source control, placed to prevent tracking of sediment from disturbed area to offsite surface. Place prior to the start of construction disturbances.	M-208		B	X	
Engineered SEDIMENT BASIN	Constructed early in the project, prior to storm sewer/ditches and in accordance with 208.05(p) to capture storm flow. Outlet structure and/or outfall shall be modified for temporary sediment control using an approved non-standard detail. Outlets that withdraw water from or near the surface shall be installed when discharging from basins and impoundments, unless infeasible					
DEWATERING *(Contractor is responsible for obtaining a permit from Colorado Department of Health and Environment.)*	Shall be done in such a manner to prevent potential pollutants from entering state waters.			B	X	
TEMPORARY STREAM CROSSING	Constructed over stream or drainage to prevent discharge of pollutants from construction equipment into water.					
CLEAN WATER DIVERSION	Placed to divert clean surface or groundwater around the disturbance area to prevent it from mixing with construction runoff.			X	X	
OTHER						

NON-STRUCTURAL Control Measures that may be potentially used on the project for erosion and sediment control; practices may include, but are not limited to:
Erosion control devices are used to limit the amount of soil loss on site. Sediment control devices are designed to capture sediment on the project site. Construction controls are control measures related to construction access and staging. Control Measure locations are indicated on the SWMP Site Map.

* **Use of vegetative buffer strip requirements.** The CDPHE Water Quality Control Division Technical Memorandum dated August 27, 2015 clarifies the requirements for utilization of existing vegetation as a buffer type of sediment control measure, while maintaining compliance with the CDPS permit for Stormwater Discharges Associated with Construction Activity - CDPS Permit No. COR4000000. In general, the division does not recommend that vegetated buffers be implemented as a sediment removal control measure for runoff from disturbed areas at construction sites, unless implemented as a =finishingM component of a treatment train comprised of additional, adequate up-gradient Control Measures. The entire memorandum can be found at: **https://www.colorado.gov/pacific/sites/default/files/Vegetative%20Buffer%20Memo.pdf**

APPLICATION, CONTROL MEASURE	*NARRATIVE*	*M-STANDARD or =For NON-STANDARD*	*IN USE ON SITE*	*CONTROL MEASURE IMPLEMENTATION PHASE*		
				INITIAL ACTIVITY	*INTERIM ACTIVITIES*	*PERMANENT STABILIZATION*
**** VEGETATIVE BUFFER STRIP***	**Finishing component for filtering sediment-laden runoff from disturbance area. Area within CDOT ROW or temporary easement to be identified on SWMP prior to construction starting.**					
GRADING APPLICATIONS (LANDFORM)	**Existing or created landforms may be used as a control measure if they prevent sediment from entering or leaving the disturbance area. If a landform directs flow of water to a concentrated outfall point, the outfall point shall be protected to prevent erosion. Area to be identified on SWMP prior to construction starting.**	**M-208**				
TOPSOIL MANAGEMENT STOCKPILE/SALVAGE Stockpile	**Prior to any site disturbance work commencing, existing topsoil shall be scraped to a depth six inches or as specified, and placed in stockpiles or windrows. Upon completion of final grading, topsoil shall be evenly distributed over embankment to a depth of six inches or as specified.**	**M-208**		*B*	*X*	
SURFACE ROUGHENING / GRADING TECHNIQUES	**Temporary stabilization of disturbance and to minimize wind and erosion.**			*X*	*X*	
SEEDING (TEMPORARY)	**Temporary stabilization used for over wintering of disturbance or used to control erosion for areas scheduled for future construction.**					
BONDED FIBER MATRIX or MULCHING (HYDRAULIC)	**Not to be used in areas of concentrated flows, i.e. ditch lines. To be for either Interim or Permanent Stabilization placed as a surface cover for erosion control. May be used as surface cover when work is temporarily halted and as approved by the Engineer for stockpiles.**					
Straw or Hay MULCH/MULCH TACKIFIER	**Interim or Permanent Stabilization placed as a surface cover for erosion control and or seeding establishment. To be installed as Interim Stabilization as a surface cover when work is temporarily halted and as approved by the Engineer**				*X*	*X*
SPRAY-ON MULCH BLANKET (Not to be used in areas of concentrated flows, i.e. ditch lines.)	**Interim or Permanent Stabilization placed as a surface cover for erosion control and or seeding establishment. To be installed as temporary surface cover when work is temporarily halted and as approved by the Engineer**				*X*	*X*
SEEDING PERMANENT (NATIVE PERENNIAL)	**Permanent Stabilization of disturbance and to reduce runoff and control erosion on disturbed areas.**					*X*
SOIL RETENTION BLANKET (SRB)	**Permanent Stabilization of disturbance and to reduce runoff and control erosion on disturbed areas.**	**M-216**				
TURF REINFORCEMENT MAT (TRM)	**Permanent Stabilization of disturbance and to reduce runoff and control erosion on disturbed areas. Placed in channels or on slopes for erosion control, channel liner and seeding establishment.**	**M-216**				
Sweeping	**Source control, used to remove sediment tracked onto paved surfaces and to prevent sediment from entering drainage system. Sweep daily and at the end of the construction shift as needed. Kick brooms shall not be permitted.**			*X*	*X*	
OTHER						

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STORM WATER MANAGEMENT PLAN NARRATIVE

Designer: RRS
Detailer: MDG
Sheet Subset: GEN
Structure Number
Subset Sheets: 5 of 6

Project No./Code
C M315-008
24829
Sheet Number 73

$PLOT_INFO$

12. TABULATION OF STORMWATER QUANTITIES

A. Control Measure sediment removal and disposal shall be paid for as: 208 Removal and Disposal of Sediment (Equipment) and 208 Removal and Disposal of Sediment (Labor). All other control measure maintenance shall be included in the cost of the control measure.

PSP Spec.	Pay Item	Description	Pay Unit	Initial Const.	Interim Const.	Permanent Stabilization	*Total Quantity
	208-00002	Erosion Log Type 1 (12 Inch)	LF		2,653		2,653
	208-00056	Storm Drain Inlet Protection (Type III)	LF		15		15
	212-00050	Sod	SF			3,973	3,973
	212-00702	Biotic Soil Amendments (Hydraulic Applied)	Pounds			3,500	3,500
	212-00703	Humate	Pounds			200	200
	212-00707	Seeding (Native) Hydraulic	Acre			1,521	1,521
	213-00067	Rock Mulch (Weed Free)	SF			554	554
	216-00022	Soil Retention Blanket (Class 2)	SY			6,645	6,645
X	214-00008	Extended Landscape Preservation	LS				1
	700-70380	F/A Erosion Control	FA				1
	700-70310	F/A Landscaping	FA				1

*It is anticipated that additional control measures and control measure quantities not shown on the SWMP Site Maps shall be required on the project for unforeseen conditions and replacement of items that are beyond their useful service life, see subsections 208.03 and 208.04. **Quantities for all control measures shown above are estimated and have been increased for unforeseen conditions and normal control measure life expectancy.** Quantities shall be adjusted according to the conditions encountered in the field as directed and approved by the Engineer. Payment shall be for the actual work completed and material used.
**Pay Item 208-00071 is included for anticipated maintenance of vehicle tracking pads based on the service life of the control measure in the field. The use of the material shall be directed and approved by the Engineer.
*** F/A refers to CDOT's Force Account Pay Items.

13. BIOLOGICAL IMPACTS and DEWATERING

A. ENVIRONMENTAL IMPACTS:
1. Wetland Impacts: NO
2. Stream Impacts: NO
3. Threatened and Endangered Species: No species are anticipated to be impacted by the project

B. DEWATERING:
(Not covered under the CDPHE guidance document Low Risk Discharge Guidance Discharges of Uncontaminated Groundwater to Land):
https://www.colorado.gov/pacific/sites/default/files/WQ%20LOW%20RISK%20GW.pdf
1. Dewatering: Refer to other environmental permits in accordance with subsection 107.02 and the permits contained in Tab 16 of the SWMP.
2. If groundwater does not meet water quality standards for receiving water a separate CDPS Dewatering Permit shall be obtained by the Contractor from CDPHE in accordance with subsections 107.02 and 107.25.

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Designer: RRS
Detailer: MDG
Sheet Subset: GEN
Structure Number
Subset Sheets: 6 of 6

Project No./Code
C M315-008
24829
Sheet Number 74

$PLOT_INFO$

CONTACT 811 BEFORE YOU DIG
811
SAFE DIGGING PARTNER

40
SCALE IN FEET

BR
HILLSIDE ST
105
℄ ALI_HILLSIDE
MATCHLINE - HILLSIDE ST (ALI_HILLSIDE) STA. 105+50.00
AGGREGATE BAG
100
EXISTING 4TH ST
℄ ALI_HILLSIDE

LEGEND

- SOIL RETENTION BLANKET
- BR — EROSION LOG TYPE 1 (12 INCH)
- DIRECTION OF SURFACE FLOW
- CONSTRUCTION LIMITS
- PARCEL LINES
- ROW

Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
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Designer: RRS
Detailer: MDG
Sheet Subset:
Structure Numbers
Subset Sheets: 1 of 5

Project No./Code
C M315-008
24829
Sheet Number 75

CONTACT 811 BEFORE YOU DIG
811
SAFE DIGGING PARTNER

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SCALE IN FEET

CONTRACTOR STAGING AREA (OPTIONAL)

EXISTING 5TH ST

℄ 5TH_ST

HILLSIDE ST

110

10

MATCHLINE - HILLSIDE ST (ALI_HILLSIDE) STA. 105+50.00

MATCHLINE - HILLSIDE ST (ALI_HILLSIDE) STA. 111+00.00

℄ ALI_HILLSIDE

BR

LEGEND

- SOIL RETENTION BLANKET
- BR EROSION LOG TYPE 1 (12 INCH)
- DIRECTION OF SURFACE FLOW
- CONSTRUCTION LIMITS
- PARCEL LINES
- ROW

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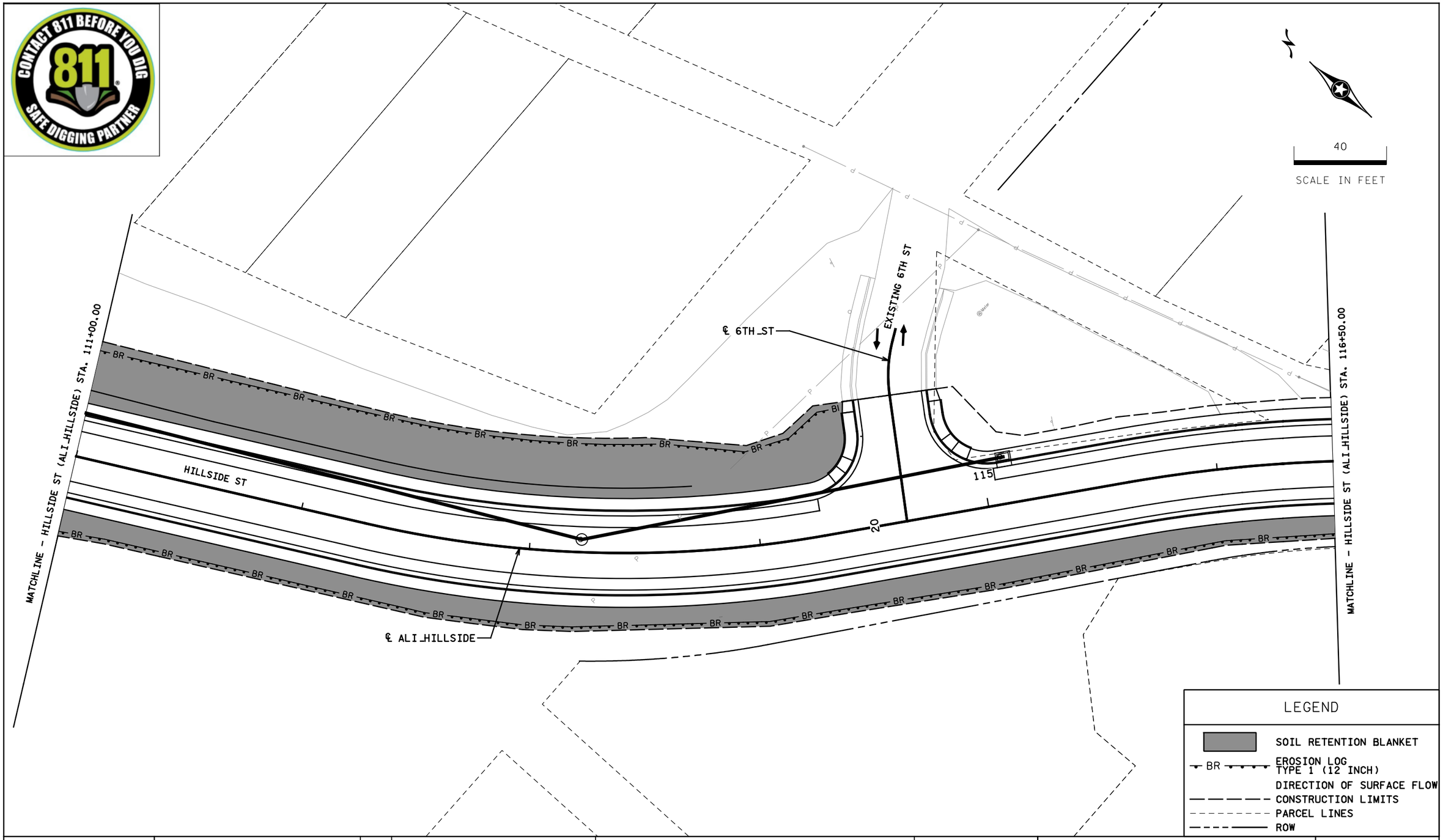
STORM WATER MANAGEMENT PLAN

Designer: RRS
Detailer: MDG
Sheet Subset:
Structure Numbers
Subset Sheets: 2 of 5

Project No./Code
C M315-008
24829
Sheet Number 76

CONTACT 811 BEFORE YOU DIG
811
SAFE DIGGING PARTNER

40
SCALE IN FEET



LEGEND

- SOIL RETENTION BLANKET
- BR EROSION LOG TYPE 1 (12 INCH)
- DIRECTION OF SURFACE FLOW
- CONSTRUCTION LIMITS
- PARCEL LINES
- ROW

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Designer: RRS
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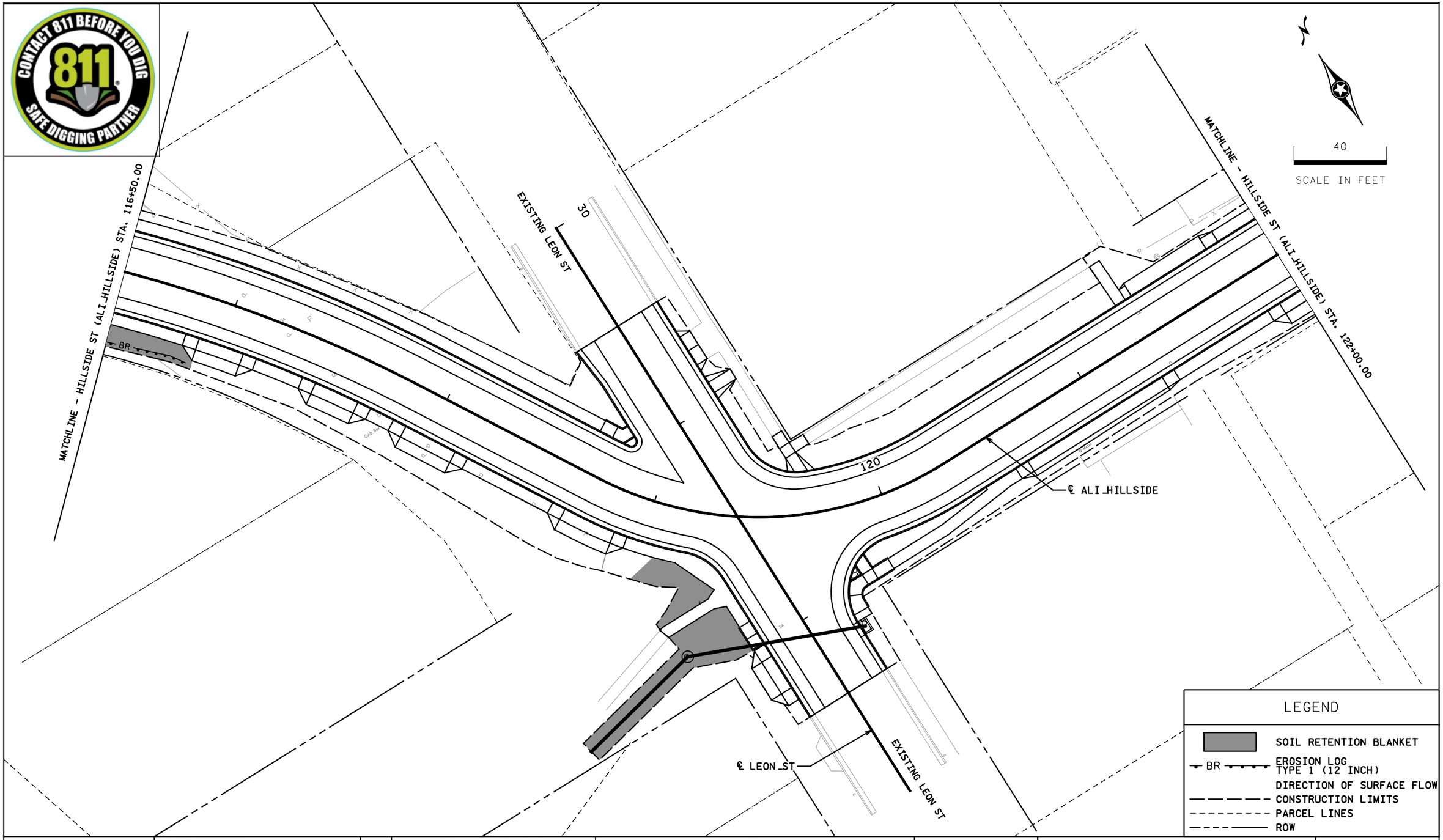
Sheet Subset:
Structure Numbers
Subset Sheets: 3 of 5

Project No./Code
C M315-008
24829
Sheet Number 77



Revision Dates (Preliminary Stage Only)

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
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Print Date: 8/29/2023
File Name: 2204-00360ENVI_EC_04.dgn
Horiz. Scale: 40 Vert. Scale: N/A
Unit Information Unit Leader RRS

1601 RIVERFRONT DRIVE, SUITE 204
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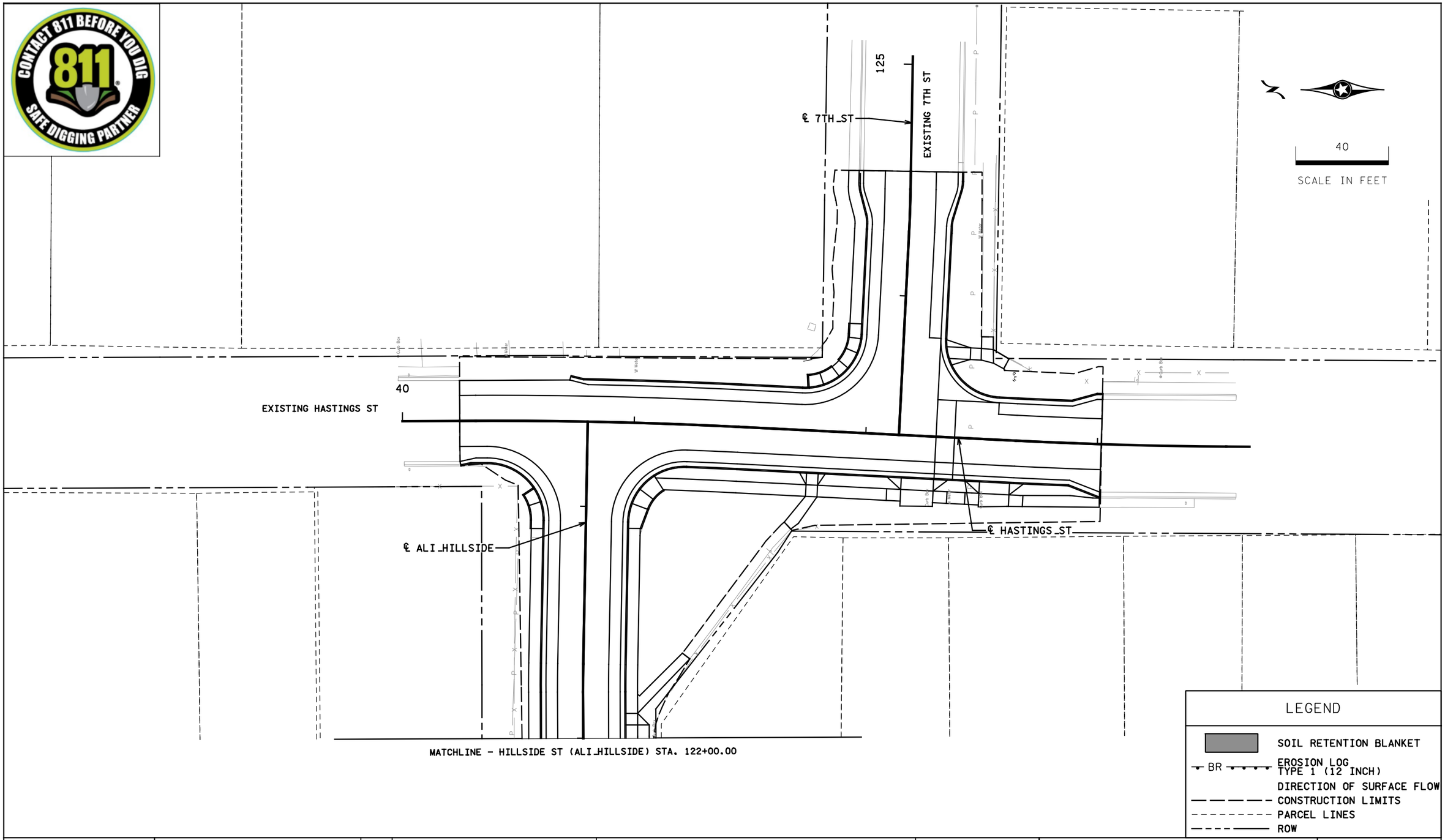
STORM WATER MANAGEMENT PLAN

Designer: RRS
Detailer: MDG
Sheet Subset:
Structure Numbers
Subset Sheets: 4 of 5

Project No./Code
C M315-008
24829
Sheet Number 78



CONTACT 811 BEFORE YOU DIG
811
SAFE DIGGING PARTNER

Revision Dates (Preliminary Stage Only)

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Print Date: 8/29/2023
File Name: 2204-00360ENVI_EC_05.dgn
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STORM WATER MANAGEMENT PLAN

Designer: RRS
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Structure Numbers
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Project No./Code
C M315-008
24829
Sheet Number 79

TABULATION OF SIGNS

ALIGNMENT	SIGN NO.	SIGN CODE	LEGEND	STATION	SIDE	SIGN PANEL SIZE INCHES (W X H)		REMOVE GROUND SIGN EACH	REMOVE SIGN PANEL EACH	RESET GROUND SIGN EACH	STEEL SIGN POST U-2 LF	STEEL SIGN POST (2.0 X 2.0 INCH TUBING) LF	STEEL SIGN POST (2 INCH ROUND) LF	STEEL SIGN POST (2.5 INCH ROUND SCH. 80)(WITH SLIPBASE) (EACH)	SIGN PANEL (SQ. FT.) CLASS I	SIGN PANEL (SQ. FT.) CLASS III
ALI_HILLSIDE	1	D3-1	HILLSIDE STREET	102+28	RT	EX.	EX.			1						
ALI_HILLSIDE	2	R2-1	SPEED LIMIT 30	103+66	RT	24	30	1								
ALI_HILLSIDE	3	R2-1	SPEED LIMIT 30		RT	24	30					12			5	
ALI_HILLSIDE	4	D3-1	HILLSIDE STREET	109+12	LT	EX.	EX.			1						
		D3-1	5TH STREET			EX.	EX.									
		R1-1	STOP			30	30									
ALI_HILLSIDE	5	W1-3L	REVERSE TURN LEFT	102+90	RT	EX.	EX.	1								
		W13-1P	20 MPH			EX.	EX.									
ALI_HILLSIDE	6	R2-1	SPEED LIMIT 30	102+90	LT	24	30	1								
ALI_HILLSIDE	7	R2-1	SPEED LIMIT 30	113+97	LT	24	30					12			5	
ALI_HILLSIDE	8	D3-1	HILLSIDE STREET	114+35	LT	24	8								1.4	
		D3-1	6TH STREET			EX.	EX.			1						
		R1-1	STOP			30	30									
ALI_HILLSIDE	9	R1-1	STOP	118+80	LT	30	30			1						
		R1-3B	3 WAY			18	6		1							
		R1-3P	ALL WAY			18	6								0.8	
ALI_HILLSIDE	10	R1-1	STOP	119+11	RT	30	30					12			6.3	
		R1-3P	ALL WAY			18	6								0.8	
ALI_HILLSIDE	11	D3-1	HILLSIDE STREET	119+26	RT	EX.	EX.			1						
ALI_HILLSIDE	12	D3-1	LEON STREET	119+73	LT	EX.	EX.			1						
		W1-4b	STOP			30	30									
		R1-3B	3 WAY			18	6		1							
		R1-3P	ALL WAY			18	6								0.8	
ALI_HILLSIDE	13	R1-1	STOP	119+83	RT	30	30			1						
		R1-3B	3 WAY			18	6		1							
		R1-3P	ALL WAY			18	6								0.8	
ALI_HILLSIDE	14	D3-1	HILLSIDE STREET	123+02	RT	24	8								1.4	
		D3-1	HASTINGS STREET			24	8								1.4	
		R1-1	STOP			30	30			1						
		R1-3P	ALL WAY			18	6		1							
HASTINGS_ST	15	R1-1	STOP	40+42	RT	30	30	1								
		D3-1	3 WAY			EX.	EX.									
HASTINGS_ST	16	W11-2	PEDESTRIAN CROSSING	41+71	RT	36	36					15			9	
		W16-7PL	DOWN LEFT ARROW			24	12								2	
		W11-501	CROSS TRAFFIC MAY NOT STOP USE CUATION WHEN CROSSING			12	12								1	
		R10-25	PUSH BUTTON TO TURN ON WARNING LIGHTS			9	12								0.8	
HASTINGS_ST	17	W11-2	PEDESTRIAN CROSSING	41+72	LT	36	36					15			9	
		W16-7PL	DOWN LEFT ARROW			24	12								2	
		W11-501	CROSS TRAFFIC MAY NOT STOP USE CUATION WHEN CROSSING			12	12								1	
		R10-25	PUSH BUTTON TO TURN ON WARNING LIGHTS			9	12								0.8	
7TH_ST	18	D3-1	HASTINGS STREET	123+81	LT	EX.	EX.									
		D3-1	7TH STREET			EX.	EX.			1						
		R1-1	STOP			30	30									
		R1-3P	ALL WAY			18	6		1							
							SUBTOTALS	4	5	9	0	66	0	0	49.3	0

(Preliminary Stage Only)

Revision Dates

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Sheet Revisions

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SIGNING AND STRIPING TABULATIONS

Designer: RRS
Detailer: MDG
Sheet Subset: TAB
Structure Numbers
Subset Sheets: 1 of 2

Project No./Code
C M315-008
24829
Sheet Number 80

TABULATION OF SIGNS (CONTINUED)

ALIGNMENT	SIGN NO.	SIGN CODE	LEGEND	STATION	SIDE	SIGN PANEL SIZE INCHES (W X H)		REMOVE GROUND SIGN EACH	REMOVE SIGN PANEL EACH	RESET GROUND SIGN EACH	STEEL SIGN POST U-2 LF	STEEL SIGN POST (2.0 X 2.0 INCH TUBING) LF	STEEL SIGN POST (2 INCH ROUND) LF	STEEL SIGN POST (2.5 INCH ROUND SCH. 80)(WITH SLIPBASE) (EACH)	SIGN PANEL (SQ. FT.) CLASS I	SIGN PANEL (SQ. FT.) CLASS III
HASTINGS_ST	19	R1-2	YIELD	42+42	RT	30	30	1								
7TH_ST	20	S1-1	SCHOOL CROSSWALK	124+28	RT	EX.	EX.			1						
		S4-3P	SCHOOL			EX.	EX.									
		R2-6aP	FINES DOUBLE			EX.	EX.									
HASTINGS_ST	21	D3-1	HASTINGS STREET	42+20	LT	EX.	EX.	1								
		D3-1	7TH STREET			EX.	EX.									
		R1-1	STOP			30	30									
		R1-3P	ALL WAY			18	6									
HASTINGS_ST	22	W11-2	PEDESTRIAN CROSSING	40+46	RT	36	36					12			9	
		W16-9P	AHEAD			24	12								2	
HASTINGS_ST	23	W11-2	PEDESTRIAN CROSSING	42+80	LT	36	36					12			9	
		W16-9P	AHEAD			24	12								2	
SUBTOTALS								2	0	1	0	24	0	0	22	0
TOTALS								6	5	10	0	90	0	0	71.3	0

TABULATION OF PAVEMENT MARKINGS

ROADWAY (ALIGNMENT)	PAVEMENT MARKING LINES (LF) EPOXY EDGE WHITE 4" SOLID (LF)	PAVEMENT MARKING LINES (LF) EPOXY CENTER YELLOW DOUBLE 4" SOLID (LF)	PREFORMED THERMOPLASTIC PAVEMENT MARKING (XWALK-STOP LINE)(SPECIAL) (XWALK-STOPLINE) X-WALK WHITE CROSSWALK MARKINGS (2'X6') (EACH)	PREFORMED THERMOPLASTIC PAVEMENT MARKING (XWALK-STOP LINE)(SPECIAL) (XWALK-STOPLINE) STOP WHITE SOLID 24" (LF)
ALI_HILLSIDE	4091	3966	25	32
5TH _ST		128	7	17
6TH_ST		45	7	17
LEON_ST	212	130	15	35
HASTINGS_ST	350	219	7	
7TH_ST	141	139	7	16
TOTAL (LF)	4793	4626	N/A	117
TOTAL (SF)	1598	1542	816	234
TOTAL (GAL)	19	18		

NOTES:

1. FOR DETAILS OF PAVEMENT MARKINGS AND LINE PLACEMENT, SEE STANDARD S-627-1
2. CONTRACTOR SHALL MAINTAIN FULL COMPLIANCE PAVEMENT MARKING ON THE PROJECT AT ALL TIMES THROUGHOUT THE CONSTRUCTION PERIOD.
3. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE INVENTORY OF EXISTING PAVMENT MARKINGS AND RECORDING THEM SO THAT NEW MARKINGS CAN BE INSTALLED TO MATCH WHERE APPLICABLE. A COPY OF THE EXISTING INVENTORY OF PAVMENT MARKINGS SHALL BE PROVIDED TO THE PROJECT AND ACCEPTED PRIOR TO PHASE CHANGES OR THE REMOVAL OF ANY EXISTING PAVEMENT MARKINGS.
4. TOTAL GALLONS CALCULATED USING AN APPLICATION RATE OF 67 SF/GAL FOR HIGH BUILD. TOTAL GALLONS CALCULATED USING AN APPLICATION RATE OF 85 SF/GAL FOR MODIFIED EPOXY.

Revision Dates (Preliminary Stage Only)

INITIALS | DESIGN | DATE | DETAIL | DATE | QUANTITY | DATE
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File Name: 2204-00360TRAF_S&S_TABS.dgn
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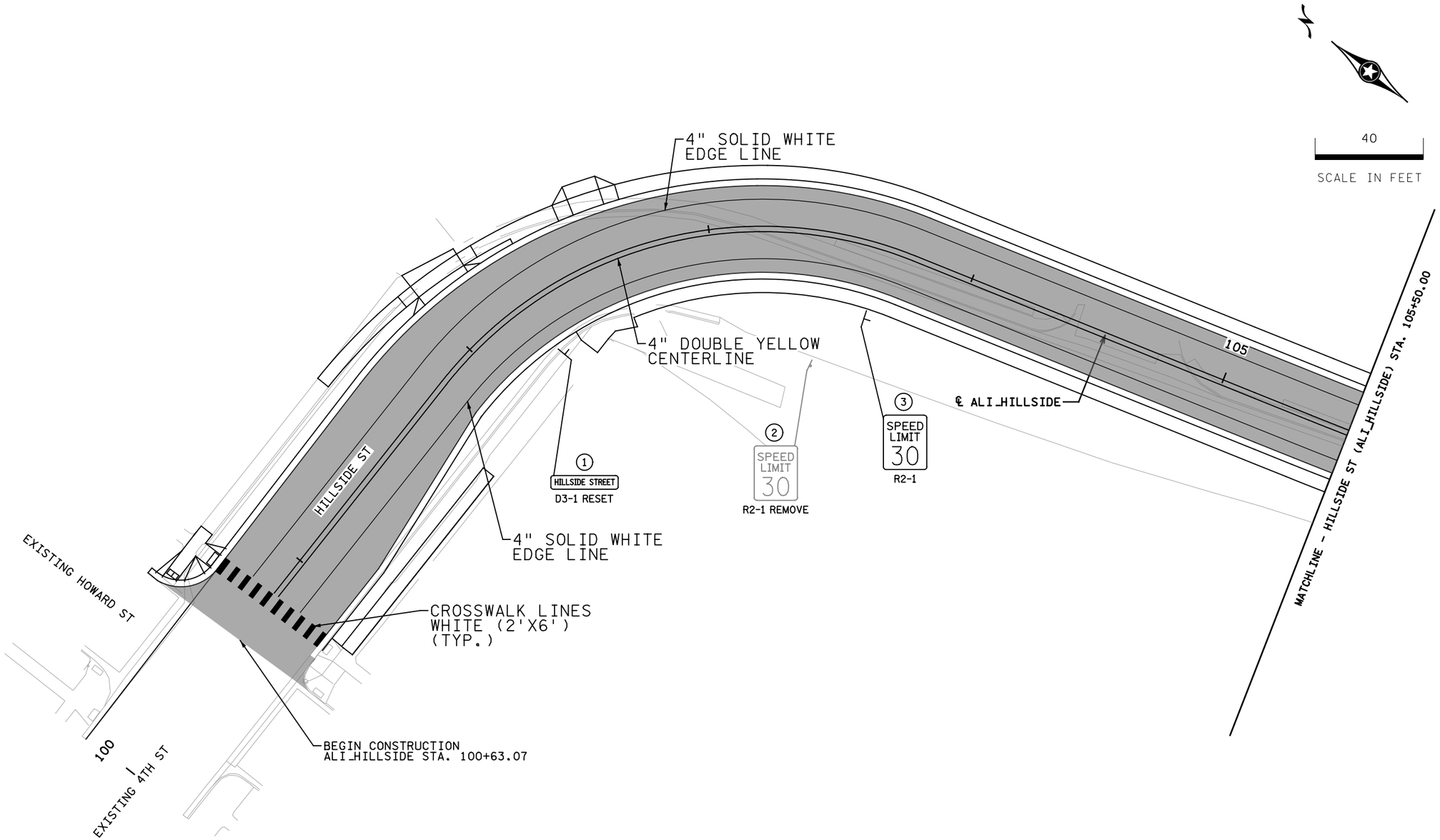
SIGNING AND STRIPING TABULATIONS

Designer: RRS
Detailer: MDG
Sheet Subset: TAB
Structure Numbers
Subset Sheets: 2 of 2

Project No./Code
C M315-008
24829
Sheet Number 81



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Checked By						

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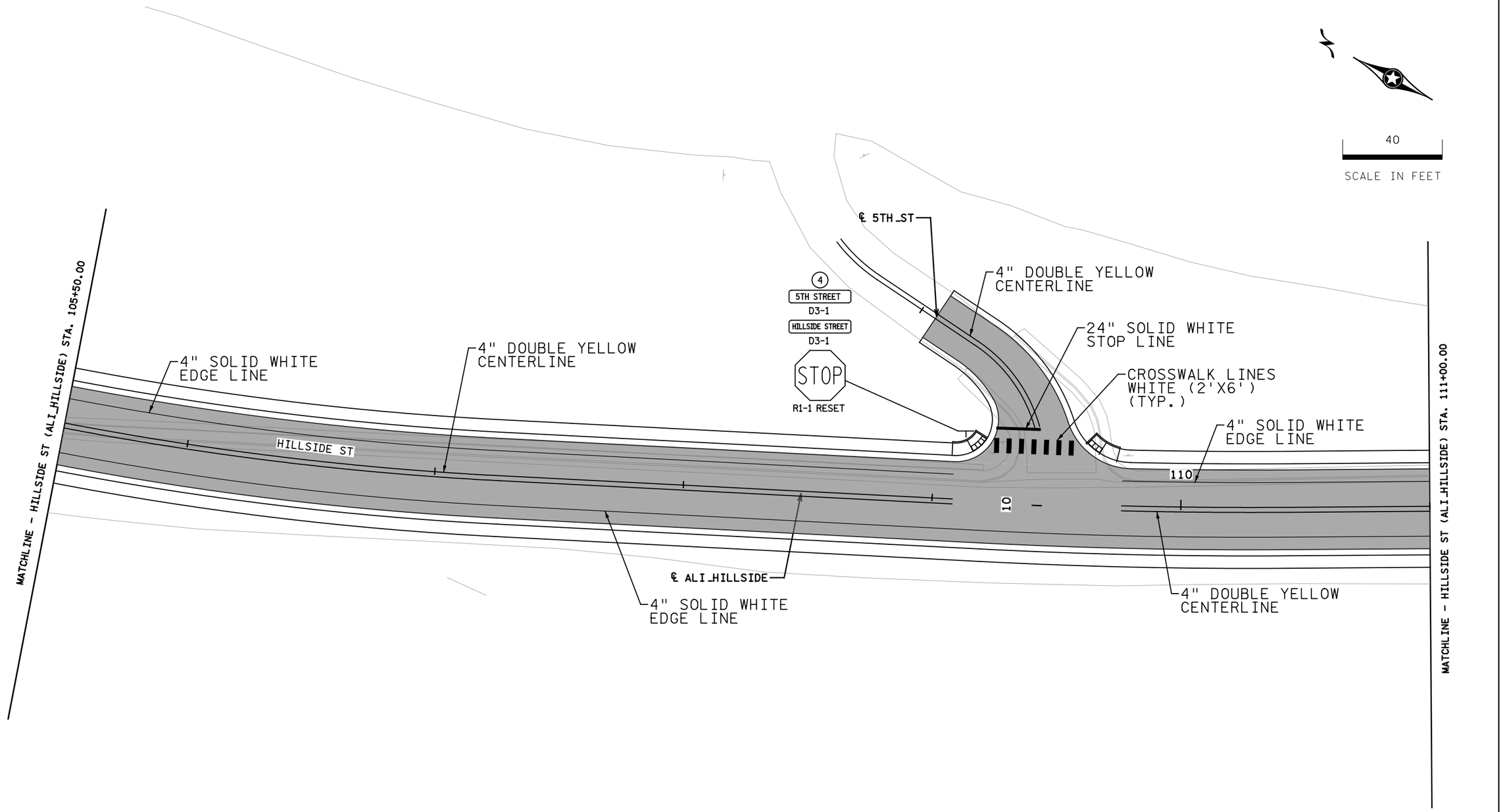
Unit Information Unit Leader RRS				Void:	Project No./Code: C M315-008 / 24829 / Sheet Number 82
1601 RIVERFRONT DRIVE, SUITE 204 GRAND JUNCTION, CO 81501 970-450-7474 KLJ					



Revision Dates (Preliminary Stage Only)

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Structure Numbers
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Project No./Code
C M315-008
24829
Sheet Number 83

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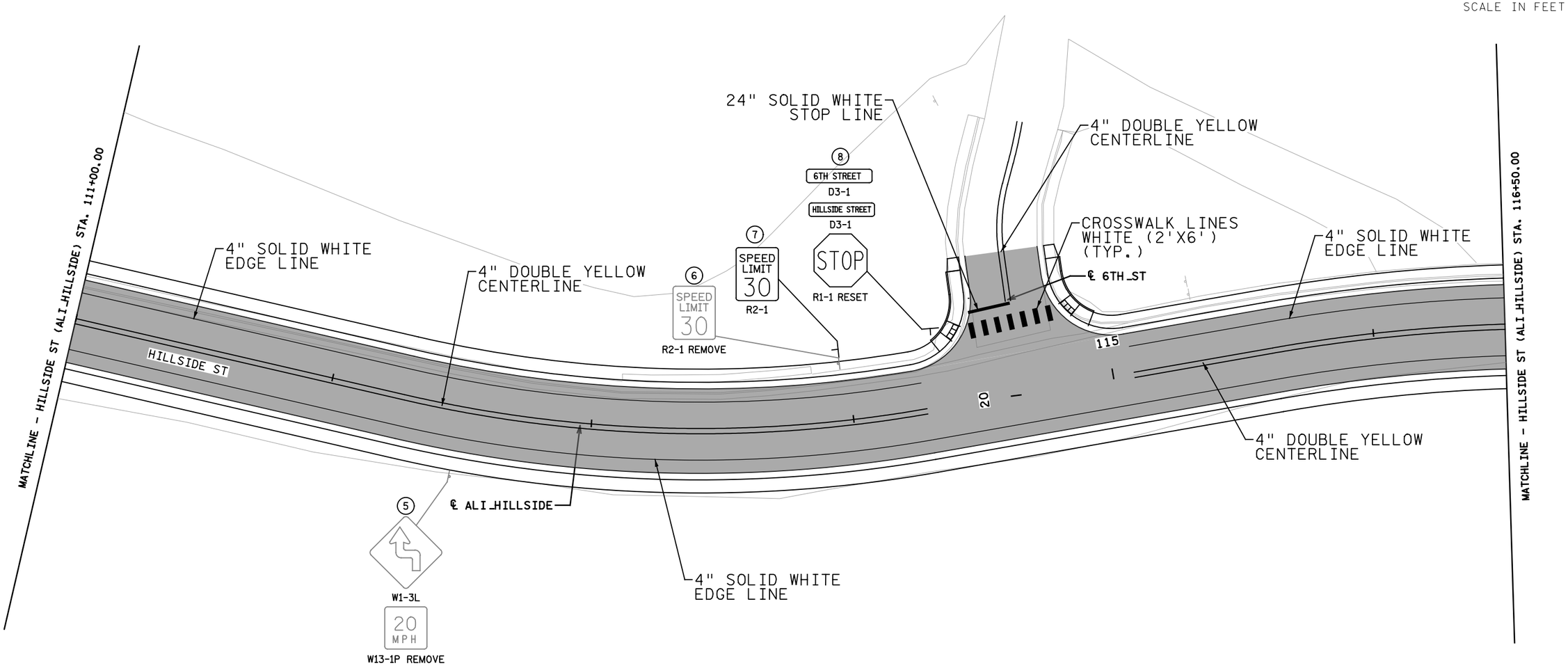
SCALE IN FEET



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Unit Information Unit Leader RRS					Detailer: MDG		
1601 RIVERFRONT DRIVE, SUITE 204 GRAND JUNCTION, CO 81501 970-450-7474 KLJ				Void:	Sheet Subset: TRAF	Subset Sheets: 3 of 5	Sheet Number 84

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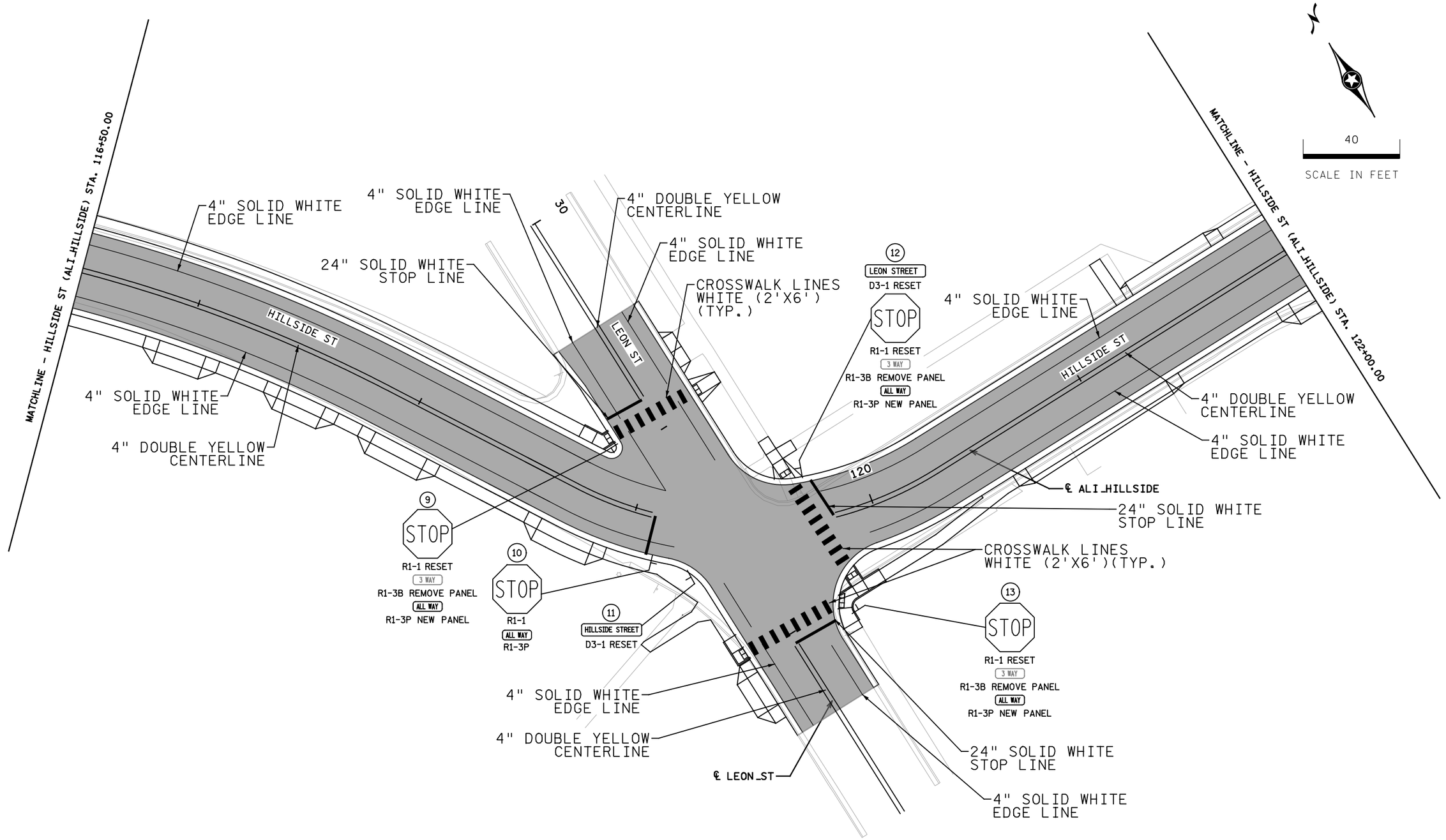

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Detailer: MDG
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Structure Numbers:
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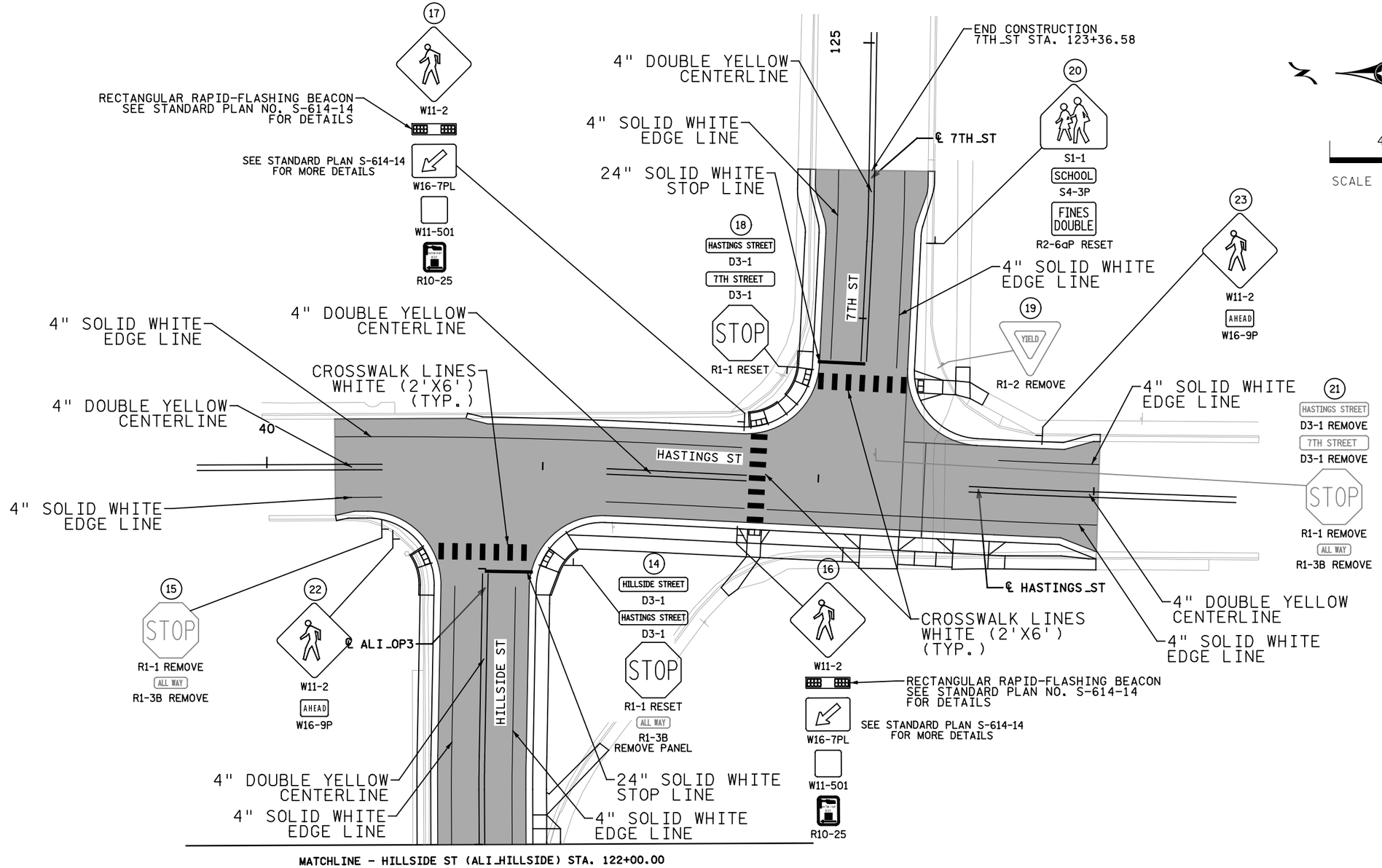
Project No./Code
C M315-008
24829
Sheet Number 85



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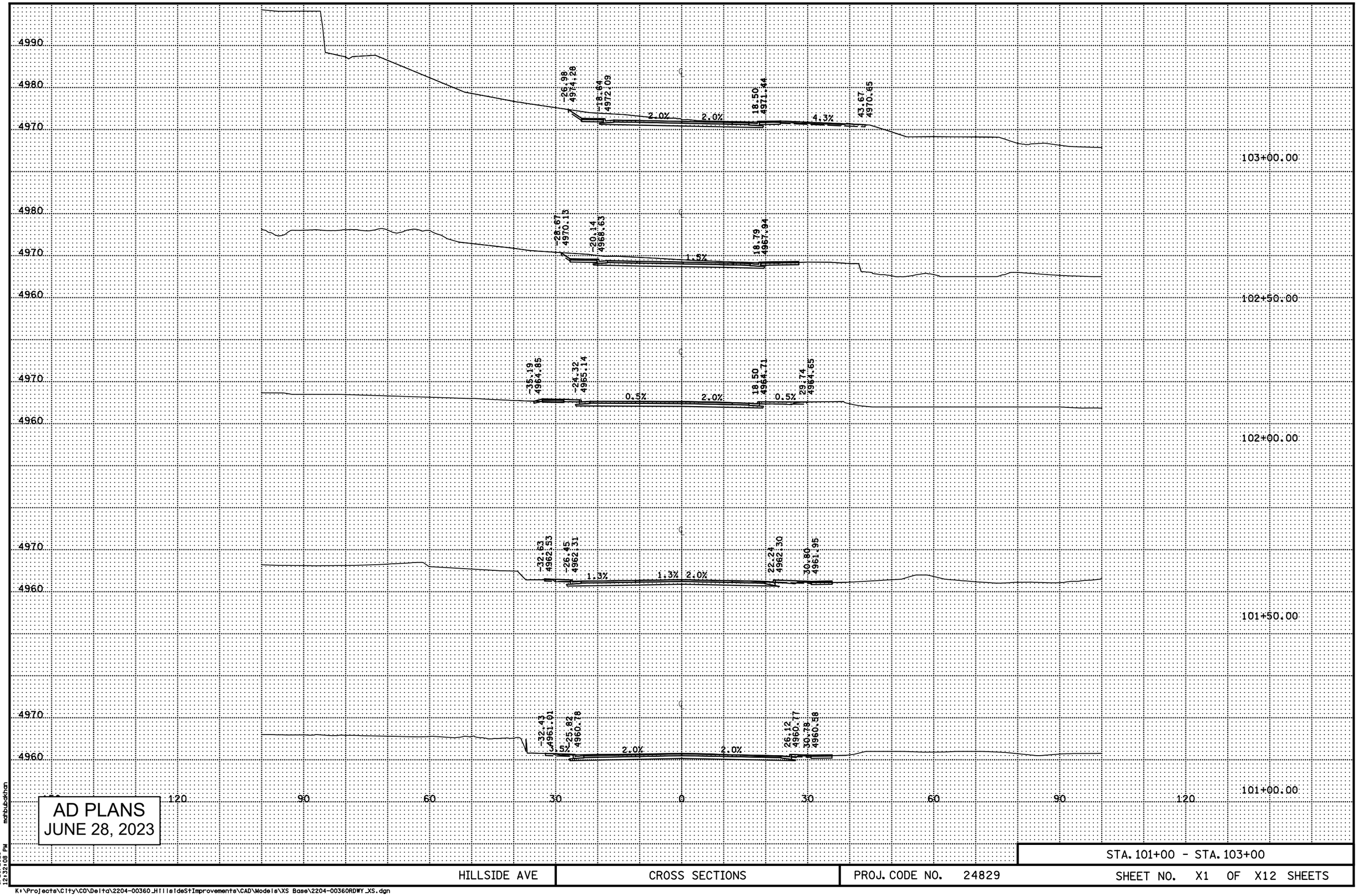
Project No./Code: C M315-008

24829

Sheet Number 86



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STA. 101+00 - STA. 103+00

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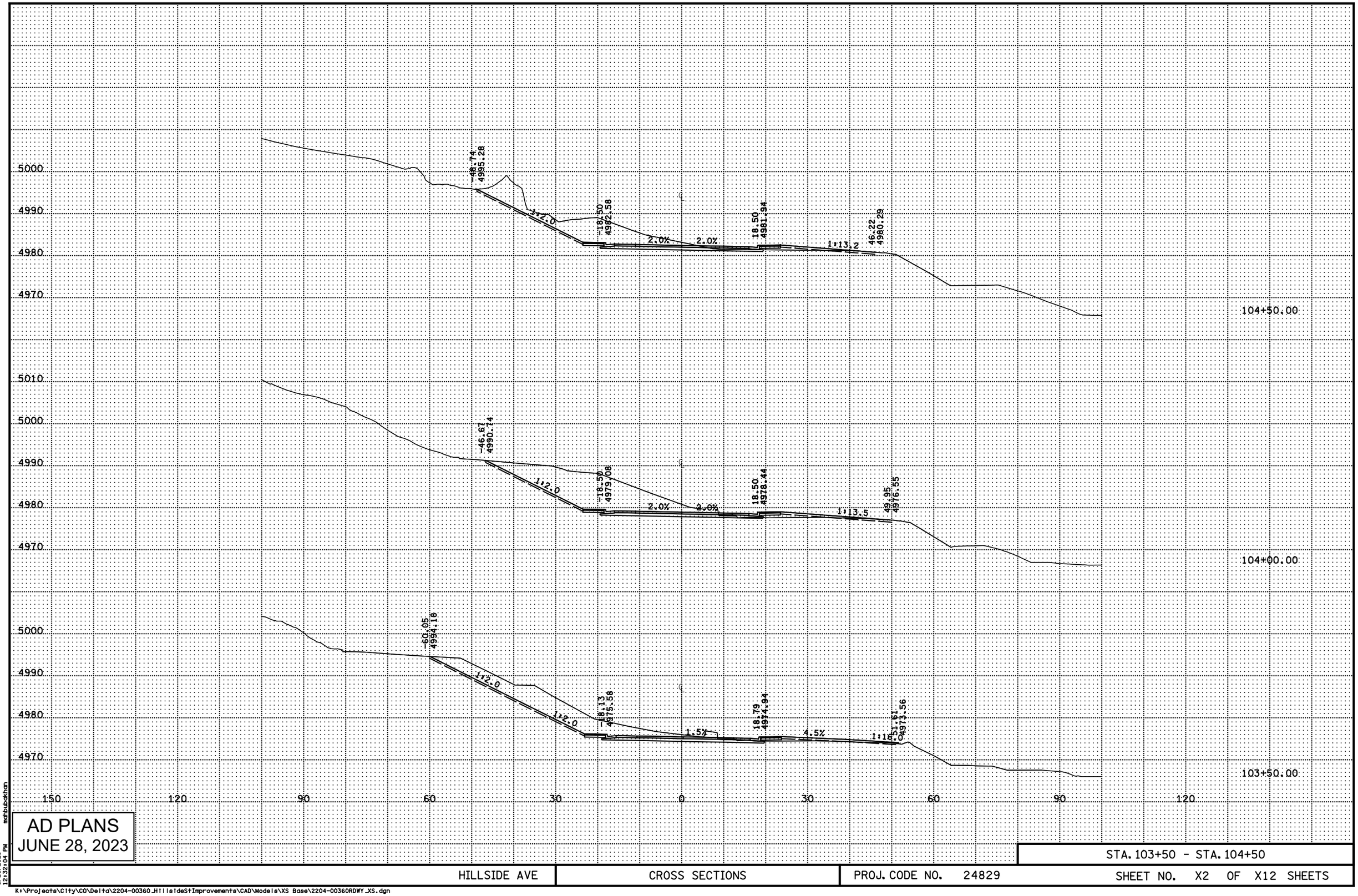

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STA. 103+50 - STA. 104+50

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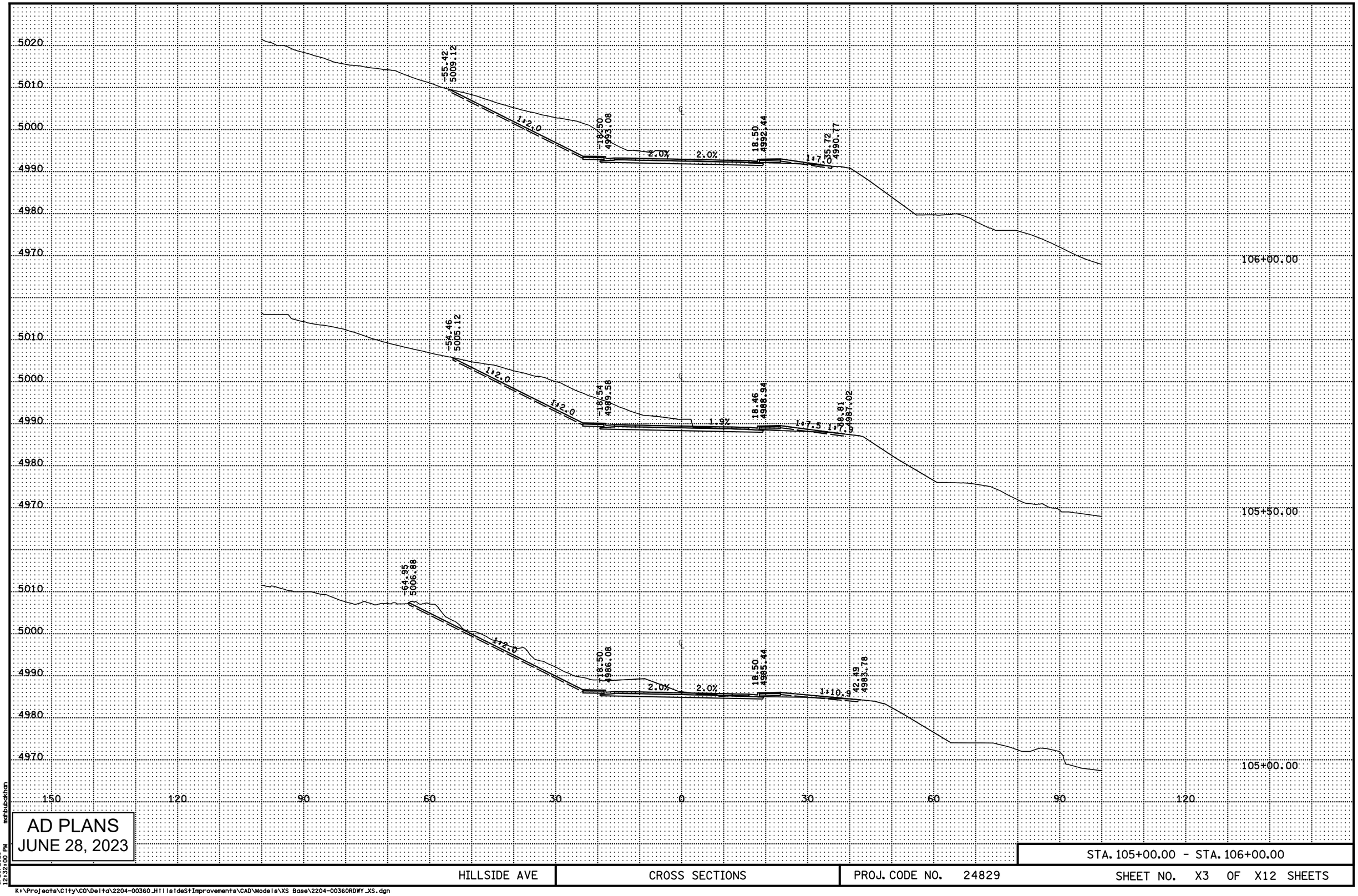

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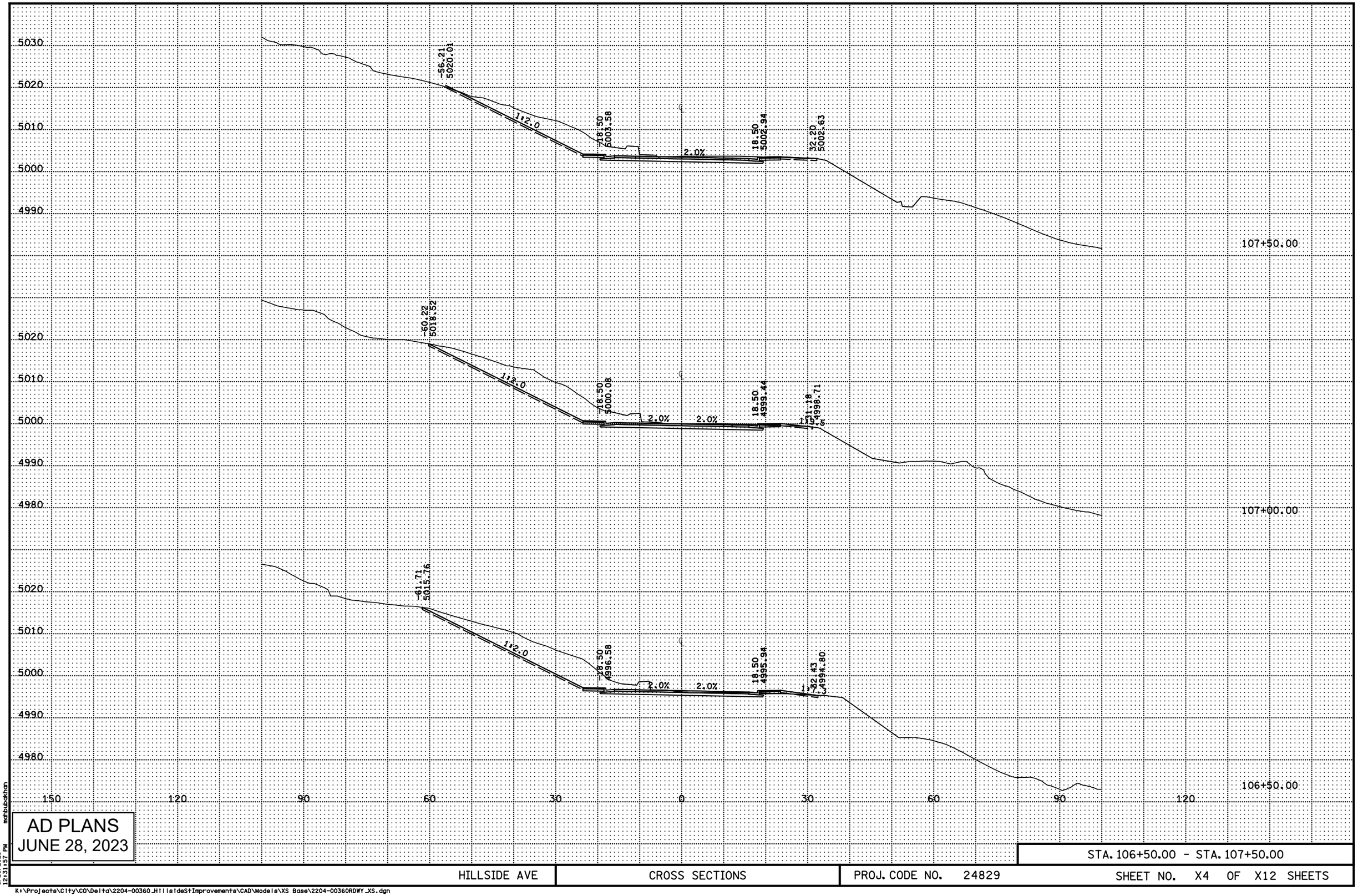

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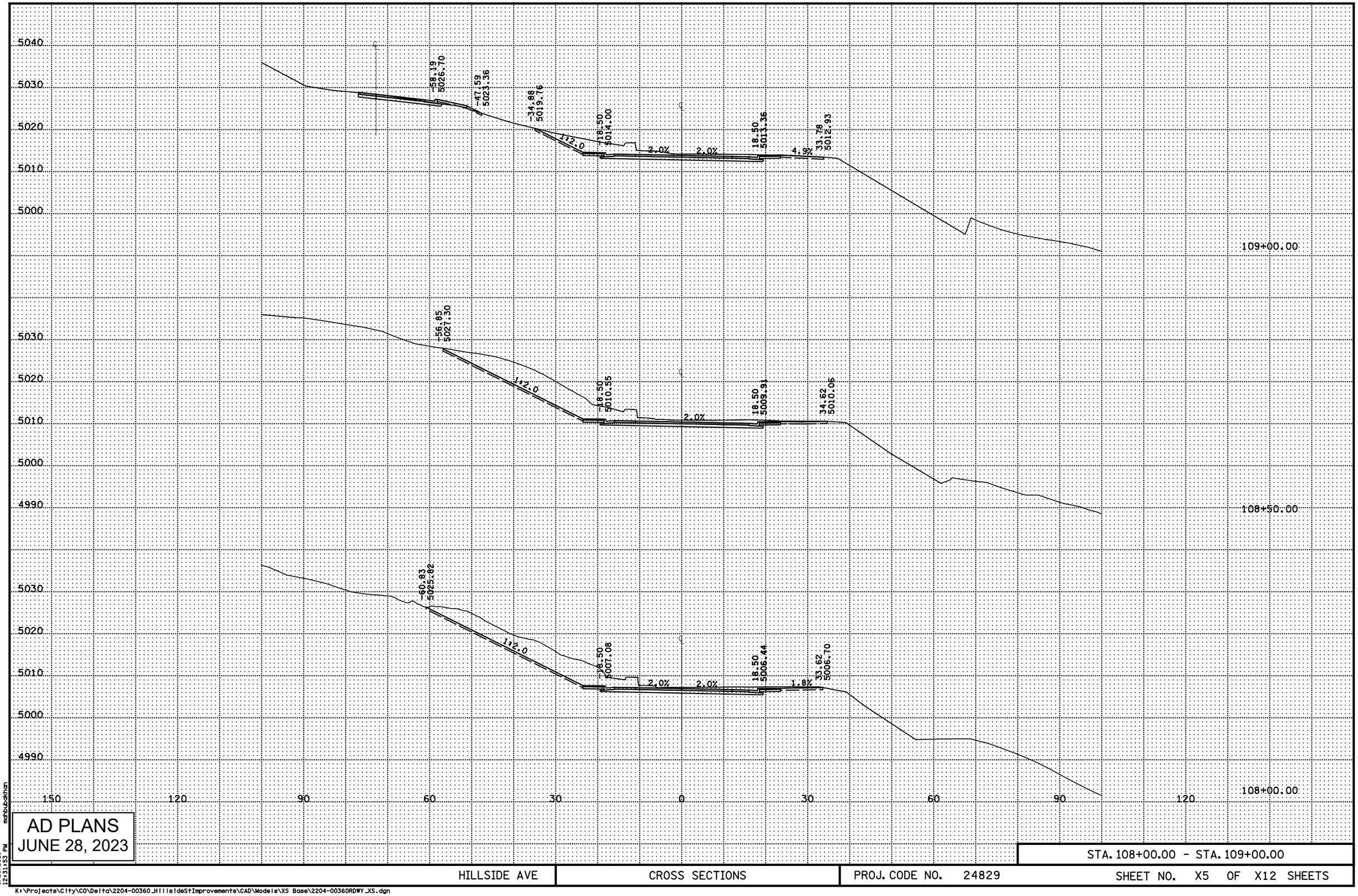

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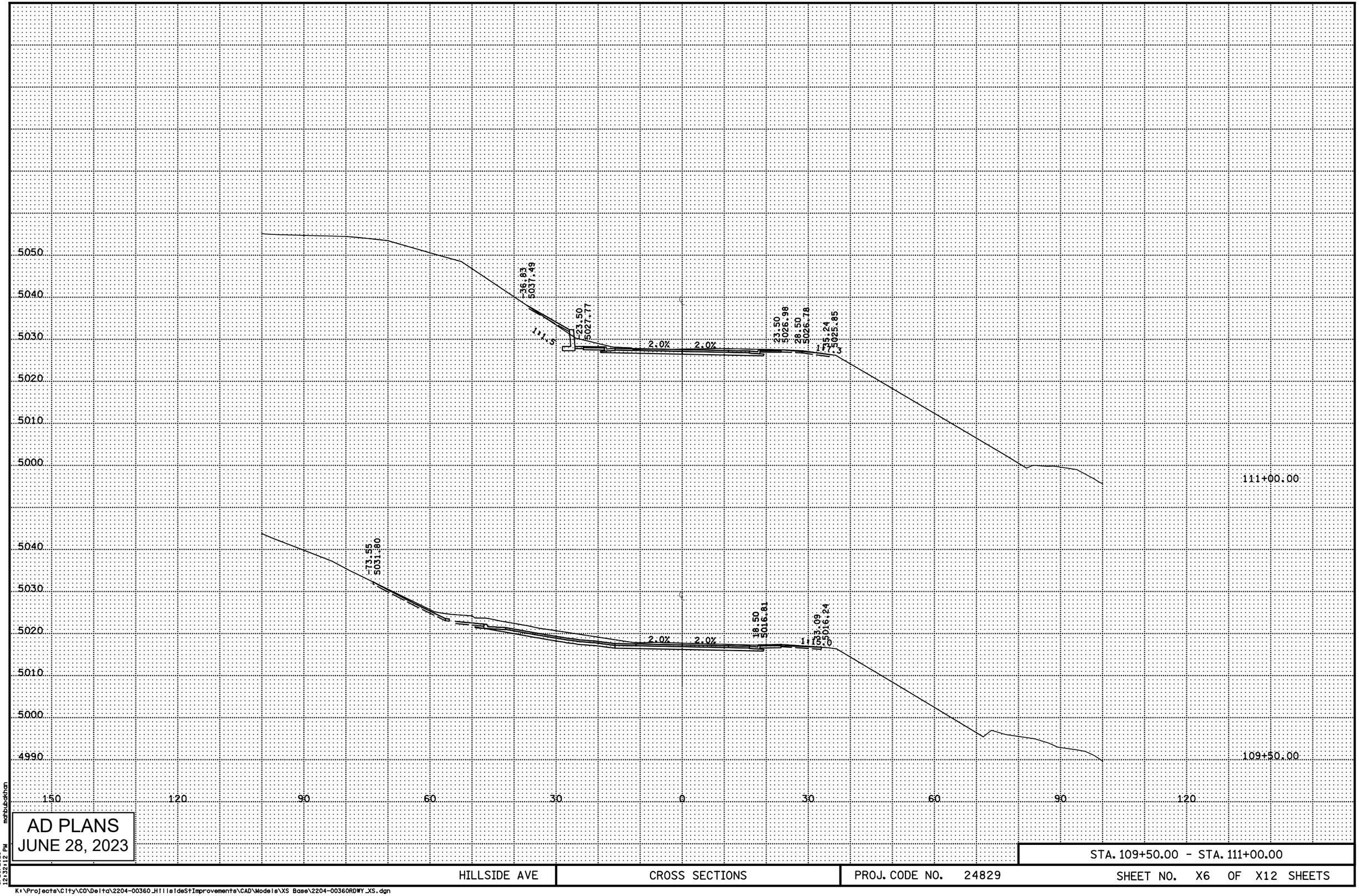

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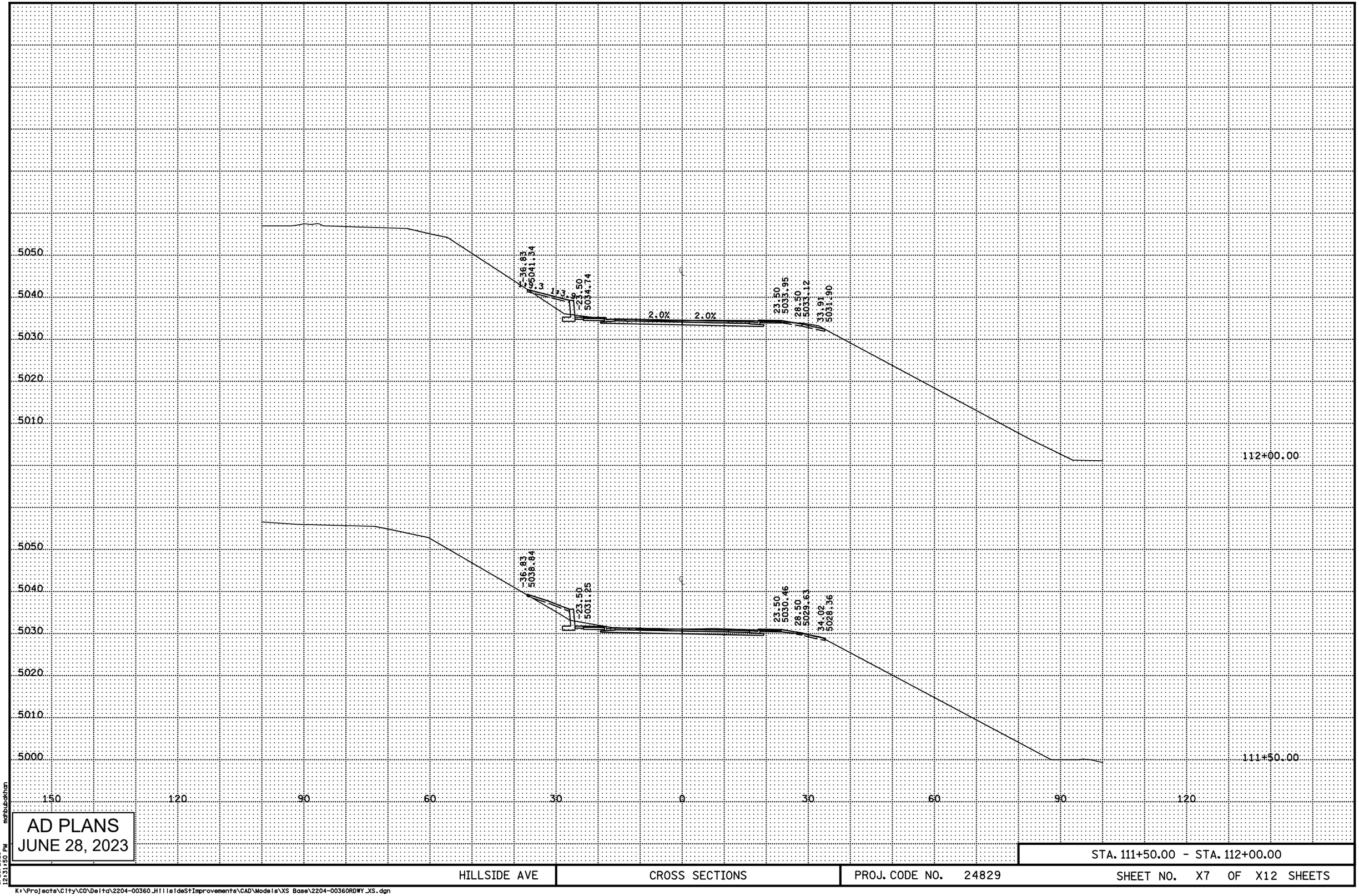

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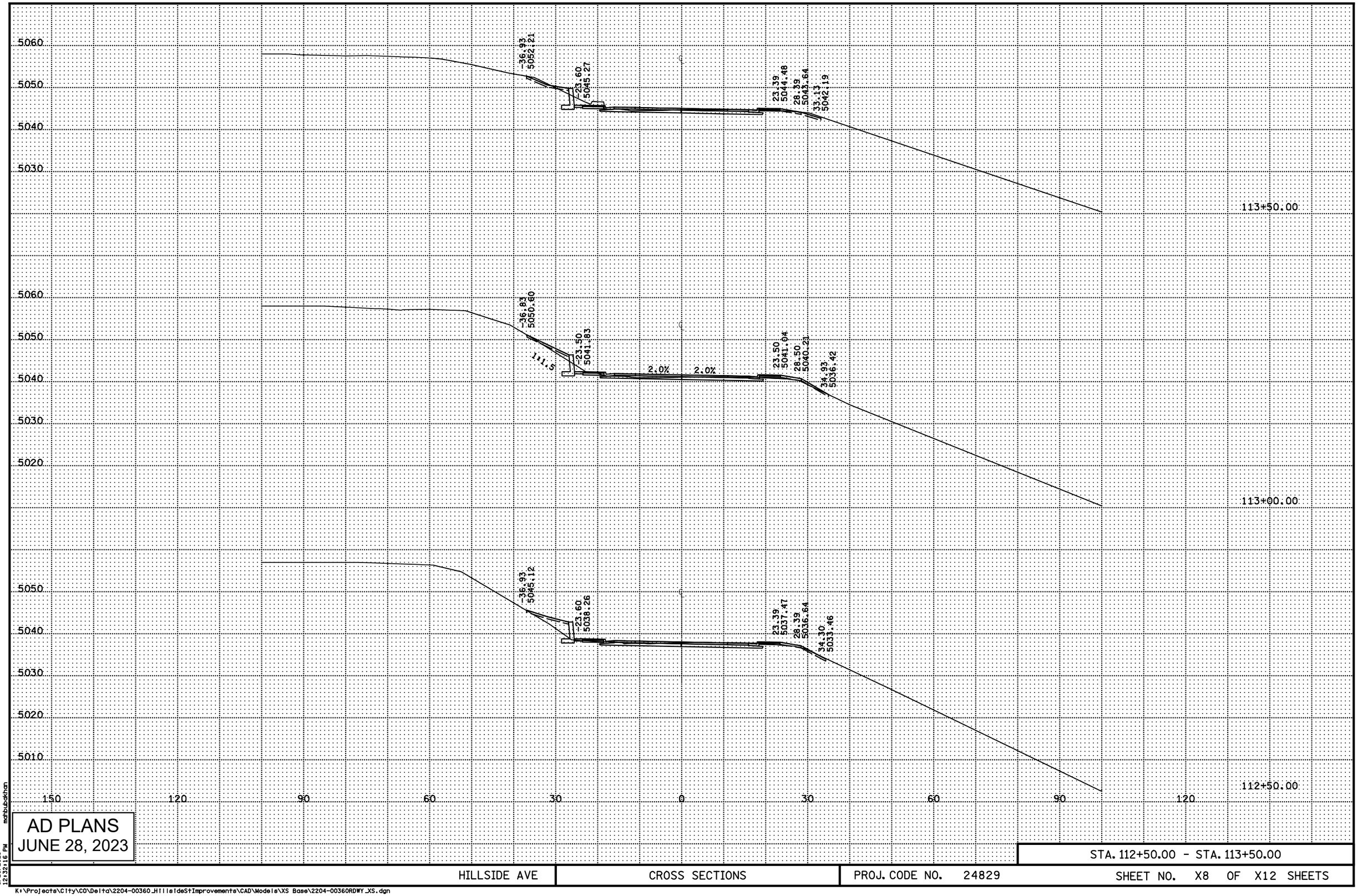

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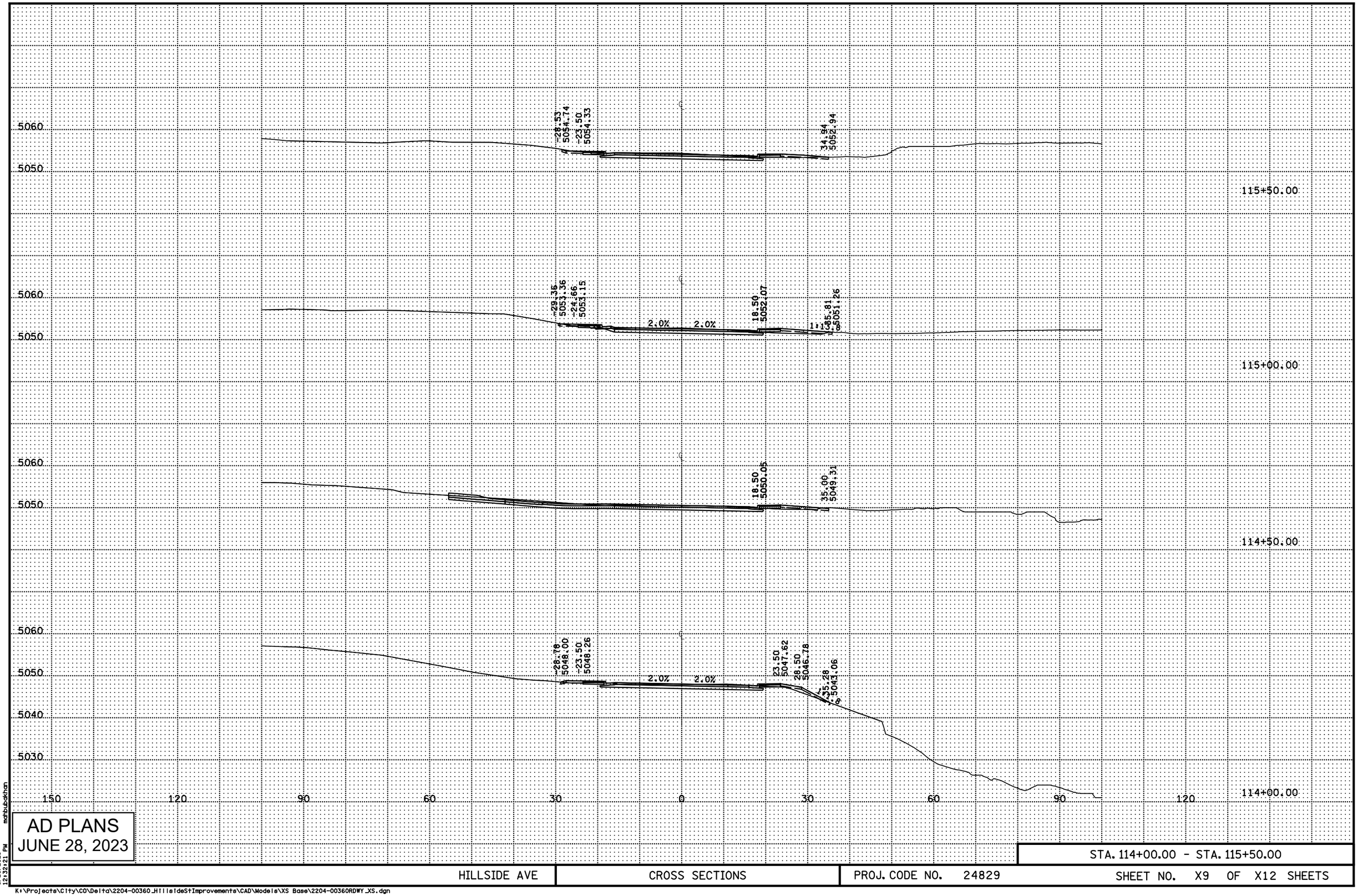

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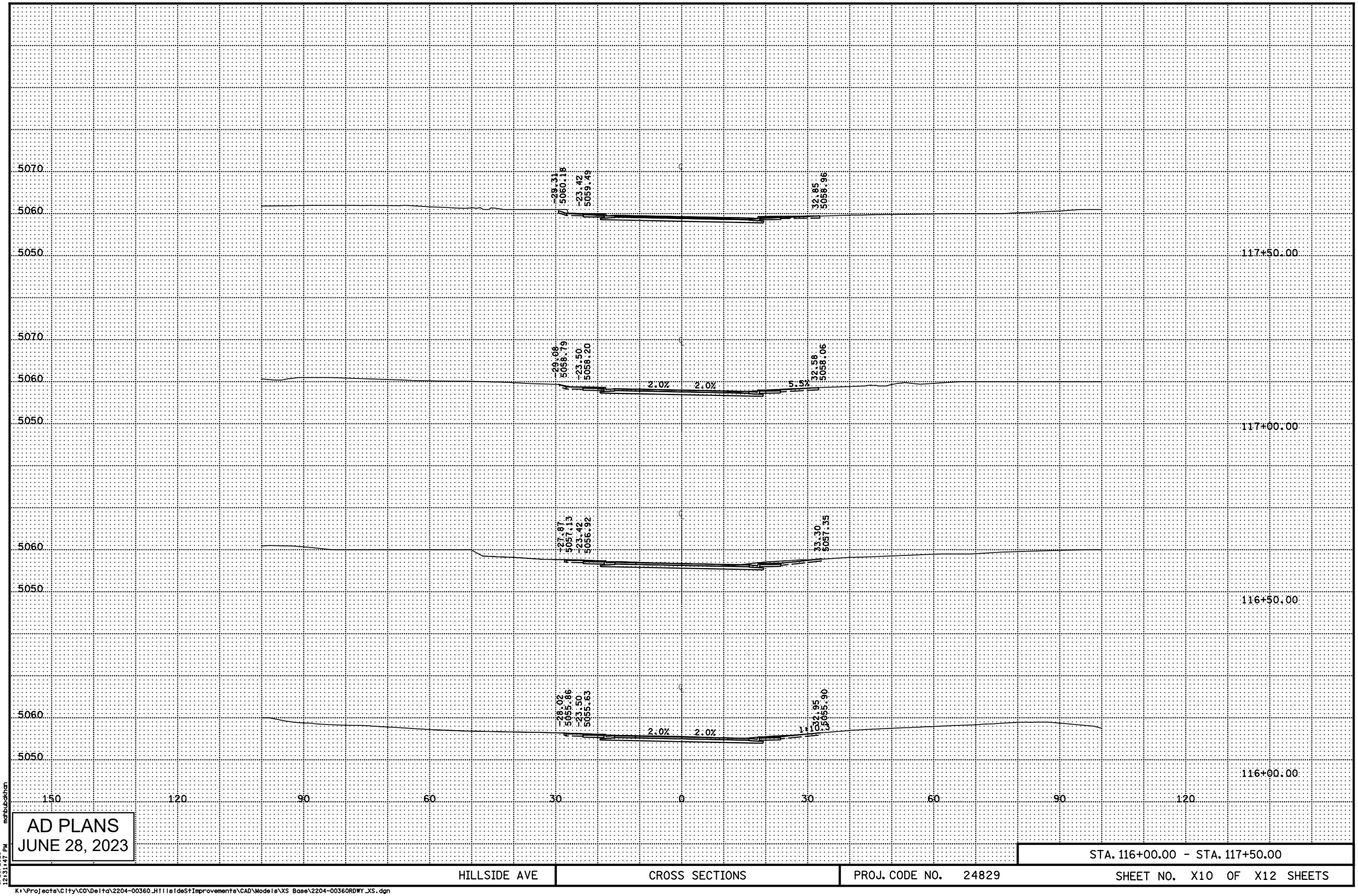

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HILLSIDE AVE	CROSS SECTIONS	PROJ. CODE NO. 24829	STA. 116+00.00 - STA. 117+50.00
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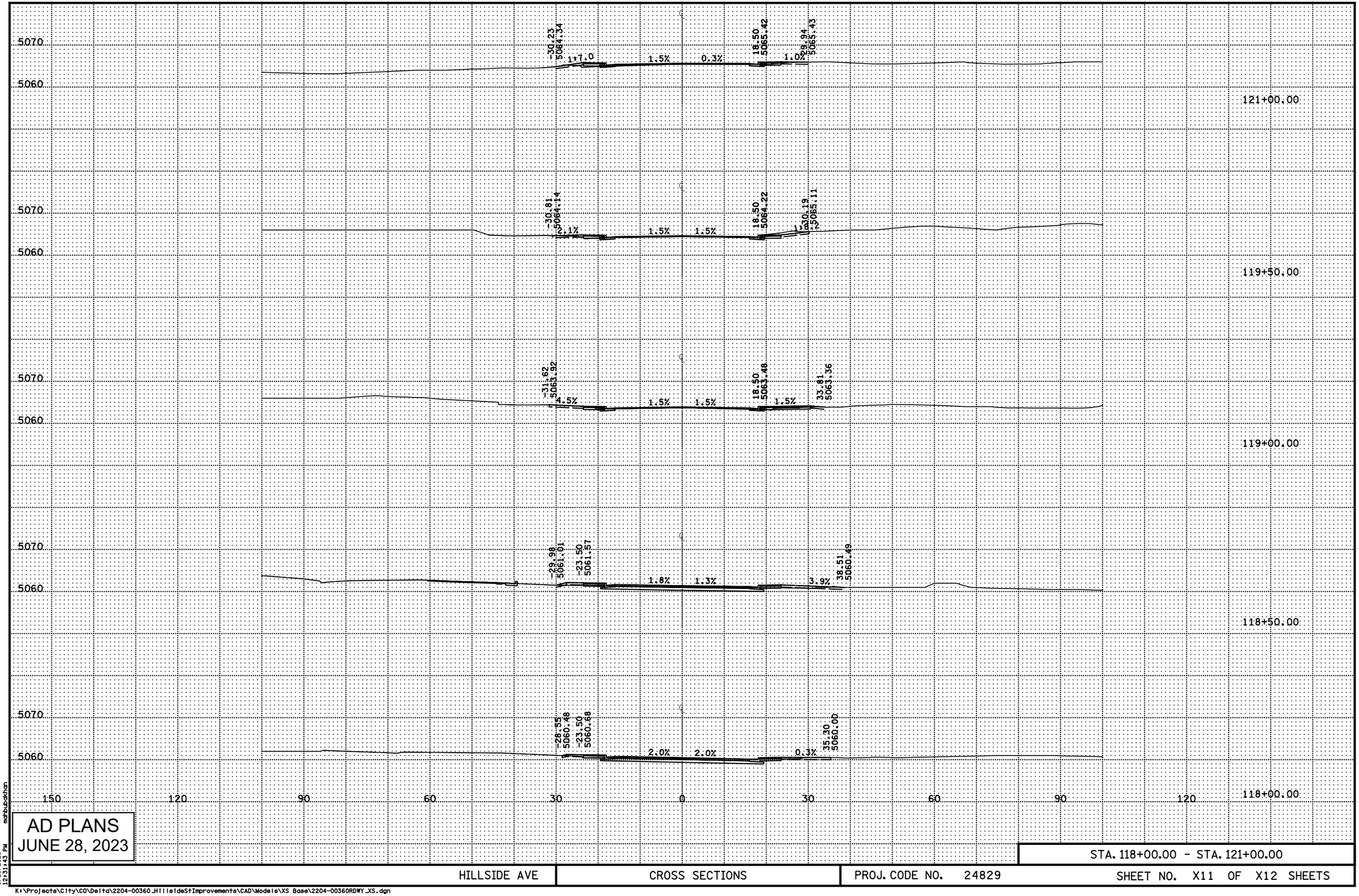

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STA. 118+00.00 - STA. 121+00.00

HILLSIDE AVE	CROSS SECTIONS	PROJ. CODE NO. 24829	SHEET NO. X11 OF X12 SHEETS

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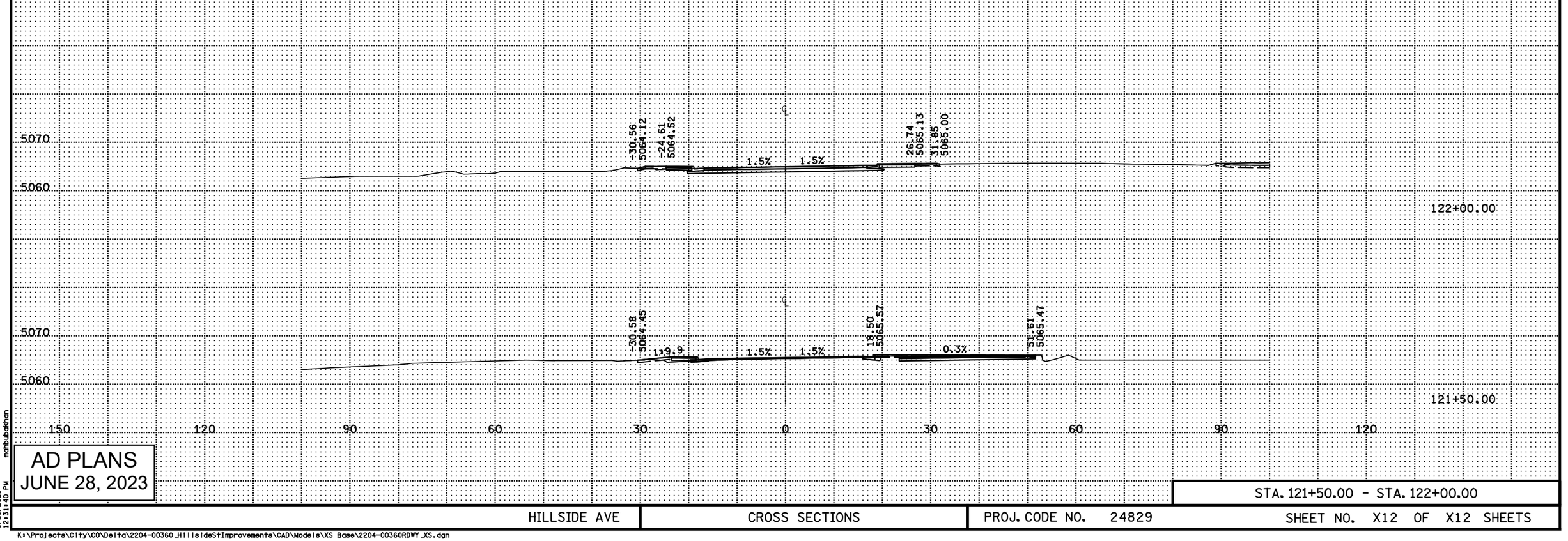

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HILLSIDE AVE	CROSS SECTIONS	PROJ. CODE NO. 24829	SHEET NO. X12 OF X12 SHEETS

6/26/2023 12:31:40 PM mahbubakhan

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