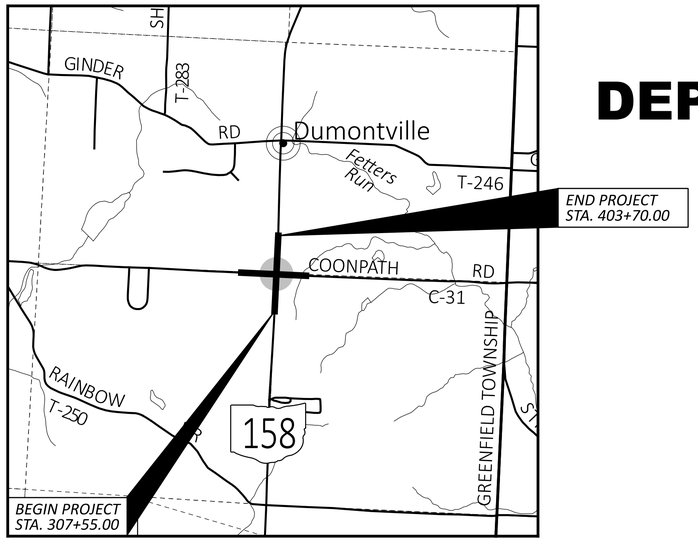
STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

FAI-158-4.20

GREENFIELD TOWNSHIP

FAIRFIELD COUNTY



LOCATION MAP

LATITUDE: N 39°46'10" LONGITUDE: W 82°37'00"

PORTION TO BE IMPROVED
INTERSTATE HIGHWAY
FEDERAL ROUTES
STATE ROUTES
COUNTY & TOWNSHIP ROADS
OTHER ROADS

DESIGN DESIGNATION

	SR 158	COONPATH RD
CURRENT ADT (2026)	7,400	6,900
DESIGN YEAR ADT (2046)	8,500	7,950
DESIGN HOURLY VOLUME (2046)	1,100	950
DIRECTIONAL DISTRIBUTION	52%	52%
TRUCKS (24 HOUR B&C)	4%	5%
DESIGN SPEED	45 MPH	45 MPH
LEGAL SPEED	45 MPH	45 MPH

DESIGN FUNCTIONAL CLASSIFICATION:
SR 158 - RURAL MAJOR COLLECTOR (05)
COONPATH RD - RURAL MINOR ARTERIAL (04)
NHS PROJECT ..... NO

DESIGN EXCEPTIONS

NONE

ADA DESIGN WAIVERS

NONE

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig
OHIO811.org Before You Dig
OHIO811, 8-1-1, or 1-800-362-2764
(Non members must be called directly)

PLAN PREPARED BY:
AECOM
525 VINE STREET, SUITE 1800 CINCINNATI, OHIO 45202
(513) 651-3440

INDEX OF SHEETS:

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CROSS SECTION LAYOUT	P.4
TYPICAL SECTIONS	P.5 - P.8
GENERAL NOTES	P.9 - P.11
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GENERAL SUMMARY	P.19 - P.22
SUBSUMMARIES	P.23 - P.30
PROJECT SITE PLAN	P.31
PLAN AND PROFILE	P.32 - P.38
CROSS SECTIONS	P.39 - P.83
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DRIVE DETAILS	P.92 - P.93
DRIVE PROFILES	P.94 - P.95
STORM SEWER PROFILES	P.96 - P.104
CULVERT DETAILS	P.105-P.106
TRAFFIC CONTROL	P.107 - P.110
LIGHTING	P.111 - P.114
LANDSCAPING	P.115
GEOTECHNICAL PROFILE - ROADWAY	P. 116 - P. 127

FEDERAL PROJECT NUMBER

E200494

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

IMPROVEMENTS WILL INCLUDE THE INSTALLATION OF A ROUNDABOUT AT THE INTERSECTION OF COONPATH RD AND SR 158 RESULTING IN THE RECONSTRUCTION OF 0.16 MILES OF COONPATH RD AND 0.14 MILES OF SR 158 AND THE CONSTRUCTION OF CURB, DRAINAGE, LIGHTING, AND NEW SIGNING AND PAVEMENT MARKINGS.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	4.04 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.30 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	4.34 ACRES

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC ON THE HIGHWAY AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON SHEETS P.15 THRUP.17 .

Jason L. Sturgeon, P.E.
District 05 Deputy Director

Pamela Boratyn
Director, Department of Transportation

STANDARD CONSTRUCTION DRAWINGS

BP-3.1	1/19/24	MH-1	7/15/22	HL-10.11	7/21/23	MT-101.60	1/17/25			800	7/18/25	ASBESTOS
BP-4.1	7/19/13	MH-2	7/19/24	HL-10.12	7/21/23	MT-101.90	7/17/20			813	7/21/23	SURVEY
BP-5.1	7/18/25	MH-3	7/19/24	HL-10.13	1/20/23	MT-105.10	1/17/20			825	7/19/24	REPORT
				HL-20.11	7/18/25					832	7/18/25	05/13/2025
CB-6	7/19/24	HW-2.1	7/15/22	HL-30.11	7/21/23	TC-41.20	10/18/13			836	1/19/24	
		HW-2.2	7/20/18	HL-30.21	4/17/20	TC-41.30	4/21/23			913	4/16/21	
DM-1.1	1/17/25			HL-30.22	1/17/25	TC-42.20	10/18/13					
DM-1.2	1/17/25	RM-1.1	1/20/23	HL-40.20	7/18/25	TC-52.10	10/18/13					
DM-4.2	7/20/12	RM-3.1	7/20/18	HL-60.11	7/21/17	TC-52.20	1/15/21					
DM-4.3	1/15/16	RM-7.1	7/18/14	HL-60.31	7/19/24	TC-65.10	1/17/14					
DM-4.4	1/15/16					TC-65.11	1/17/25					
LA-1.1	10/15/10											

ENGINEER'S SEAL

STATE OF OHIO
NATHAN S PERA
E-80557
REGISTERED PROFESSIONAL ENGINEER

Pera, Nathan — Digitally signed by Pera, Nathan DN: cn=Pera, Nathan, dc=AMER, dc=AECOM, ou=US, ou=AMER, ou=AECOMUsers, dc=ad, dc=aecomnet, dc=com Date: 2025.08.07 17:52:55-04'00'

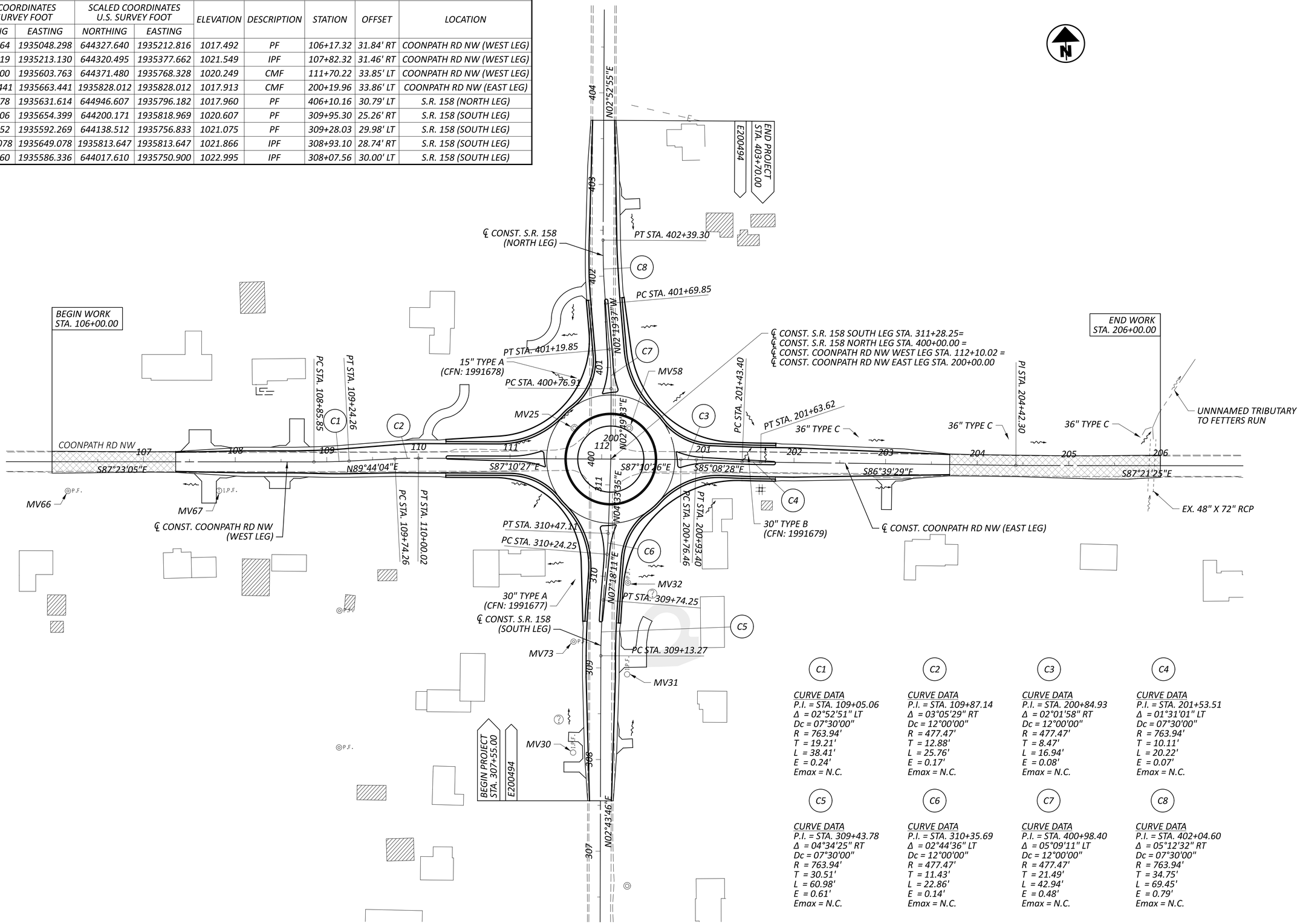
TITLE SHEET

DESIGN AGENCY
AECOM

DESIGNER VHB
REVIEWER NSP 06/03/25
PROJECT ID 111621
SHEET P.1 TOTAL 127

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PROJECT CONTROL POINTS									
POINT	GRID COORDINATES U.S. SURVEY FOOT		SCALED COORDINATES U.S. SURVEY FOOT		ELEVATION	DESCRIPTION	STATION	OFFSET	LOCATION
	NORTHING	EASTING	NORTHING	EASTING					
MV66	644272.864	1935048.298	644327.640	1935212.816	1017.492	PF	106+17.32	31.84' RT	COONPATH RD NW (WEST LEG)
MV67	644265.719	1935213.130	644320.495	1935377.662	1021.549	IPF	107+82.32	31.46' RT	COONPATH RD NW (WEST LEG)
MV25	644316.700	1935603.763	644371.480	1935768.328	1020.249	CMF	111+70.22	33.85' LT	COONPATH RD NW (WEST LEG)
MV58	1935663.441	1935663.441	1935828.012	1935828.012	1017.913	CMF	200+19.96	33.86' LT	COONPATH RD NW (EAST LEG)
MV74	644891.778	1935631.614	644946.607	1935796.182	1017.960	PF	406+10.16	30.79' LT	S.R. 158 (NORTH LEG)
MV32	644145.406	1935654.399	644200.171	1935818.969	1020.607	PF	309+95.30	25.26' RT	S.R. 158 (SOUTH LEG)
MV73	644083.752	1935592.269	644138.512	1935756.833	1021.075	PF	309+28.03	29.98' LT	S.R. 158 (SOUTH LEG)
MV31	1935649.078	1935649.078	1935813.647	1935813.647	1021.866	IPF	308+93.10	28.74' RT	S.R. 158 (SOUTH LEG)
MV30	643962.860	1935586.336	644017.610	1935750.900	1022.995	IPF	308+07.56	30.00' LT	S.R. 158 (SOUTH LEG)



SCHEMATIC PLAN

DESIGN AGENCY AECOM

DESIGNER VHP

REVIEWER NSP 06/03/25

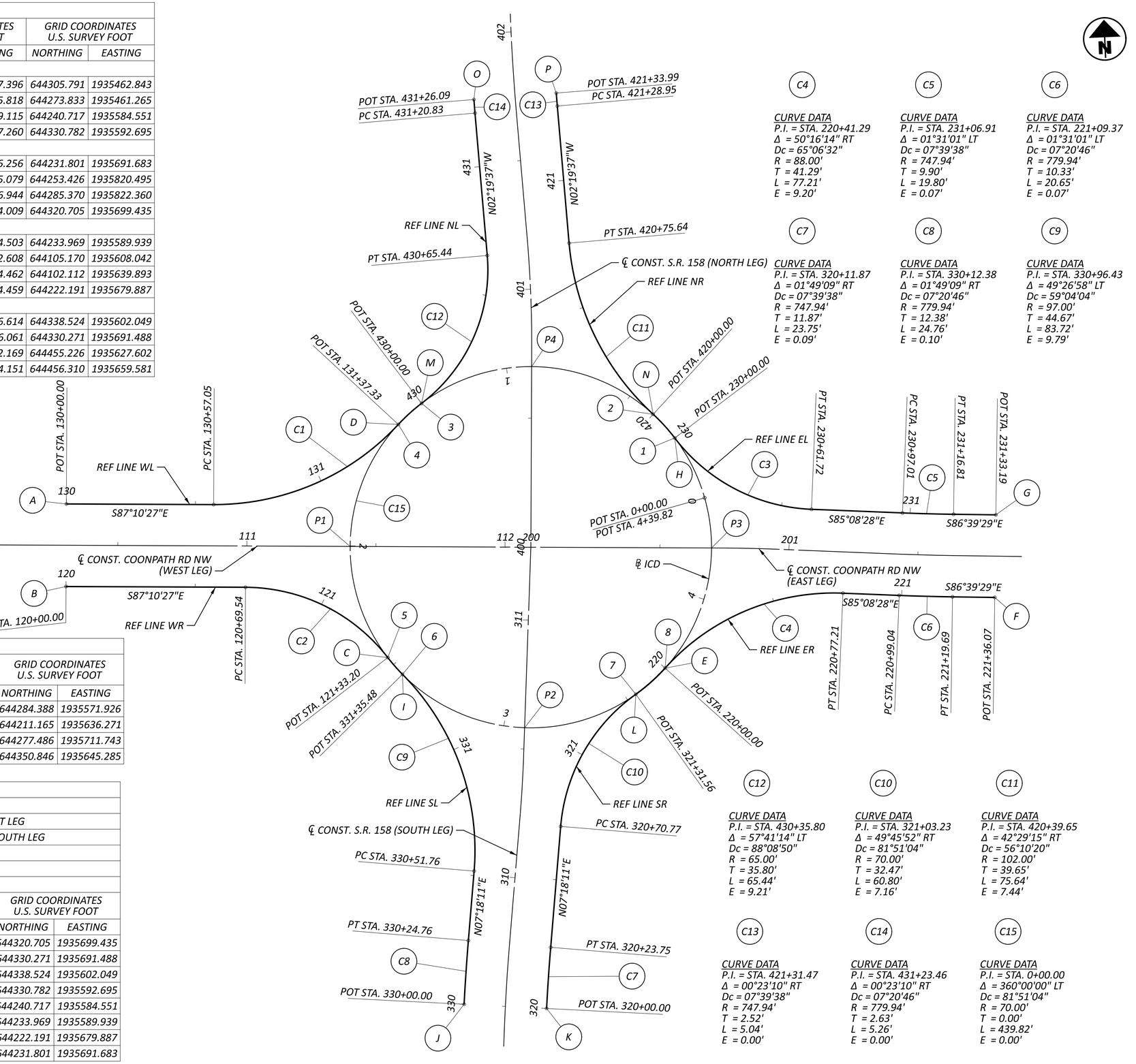
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SHEET P.2 TOTAL 127

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REFERENCE LINE TIES								
POINT	CL STATION	OFFSET	REF LINE ALIGN	REF LINE STATION	SCALED COORDINATES U.S. SURVEY FOOT		GRID COORDINATES U.S. SURVEY FOOT	
					NORTHING	EASTING	NORTHING	EASTING
CL CONST. WEST LEG								
A	110+30.00	16.00' LT	WL	130+00.00	644360.570	1935627.396	644305.791	1935462.843
B	110+30.00	16.00' RT	WR	120+00.00	644328.609	1935625.818	644273.833	1935461.265
C	111+54.78	43.00' RT	WR	121+33.20	644295.490	1935749.115	644240.717	1935584.551
D	111+58.47	47.37' LT	WL	131+37.33	644385.563	1935757.260	644330.782	1935592.695
CL CONST. EAST LEG								
E	200+52.21	46.62' RT	ER	220+00.00	644286.574	1935856.256	644231.801	1935691.683
F	201+80.00	16.00' RT	ER	221+36.07	644308.201	1935985.079	644253.426	1935820.495
G	201+80.00	16.00' LT	EL	231+33.19	644340.147	1935986.944	644285.370	1935822.360
H	200+55.57	42.56' LT	EL	230+00.00	644375.485	1935864.009	644320.705	1935699.435
CL CONST. SOUTH LEG								
I	310+77.30	48.00' LT	SL	331+35.48	644288.742	1935754.503	644233.969	1935589.939
J	309+50.00	16.00' LT	SL	330+00.00	644159.932	1935772.608	644105.170	1935608.042
K	309+50.00	16.00' RT	SR	320+00.00	644156.874	1935804.462	644102.112	1935639.893
L	310+83.23	42.61' RT	SR	321+31.56	644276.963	1935844.459	644222.191	1935679.887
CL CONST. NORTH LEG								
M	400+55.56	42.58' LT	NL	430+00.00	644393.306	1935766.614	644338.524	1935602.049
N	400+51.73	47.17' RT	NR	420+00.00	644385.052	1935856.061	644330.271	1935691.488
O	401+75.00	16.00' LT	NL	431+26.09	644510.018	1935792.169	644455.226	1935627.602
P	401+75.00	16.00' RT	NR	421+33.99	644511.102	1935824.151	644456.310	1935659.581



C1

CURVE DATA
P.I. = STA. 130+99.65
Δ = 47°25'04" LT
Dc = 59°04'04"
R = 97.00'
T = 42.60'
L = 80.28'
E = 8.94'

C2

CURVE DATA
P.I. = STA. 121+03.76
Δ = 52°06'00" RT
Dc = 81°51'04"
R = 70.00'
T = 34.22'
L = 63.65'
E = 7.92'

C3

CURVE DATA
P.I. = STA. 230+33.03
Δ = 50°31'13" LT
Dc = 81°51'04"
R = 70.00'
T = 33.03'
L = 61.72'
E = 7.40'

C4

CURVE DATA
P.I. = STA. 220+41.29
Δ = 50°16'14" RT
Dc = 65°06'32"
R = 88.00'
T = 41.29'
L = 77.21'
E = 9.20'

C5

CURVE DATA
P.I. = STA. 231+06.91
Δ = 01°31'01" LT
Dc = 07°39'38"
R = 747.94'
T = 9.90'
L = 19.80'
E = 0.07'

C6

CURVE DATA
P.I. = STA. 221+09.37
Δ = 01°31'01" LT
Dc = 07°20'46"
R = 779.94'
T = 10.33'
L = 20.65'
E = 0.07'

C7

CURVE DATA
P.I. = STA. 320+11.87
Δ = 01°49'09" RT
Dc = 07°39'38"
R = 747.94'
T = 11.87'
L = 23.75'
E = 0.09'

C8

CURVE DATA
P.I. = STA. 330+12.38
Δ = 01°49'09" RT
Dc = 07°20'46"
R = 779.94'
T = 12.38'
L = 24.76'
E = 0.10'

C9

CURVE DATA
P.I. = STA. 330+96.43
Δ = 49°26'58" LT
Dc = 59°04'04"
R = 97.00'
T = 44.67'
L = 83.72'
E = 9.79'

ROUNDABOUT TIES							
POINT	ICD STATION	MAINLINE STATION	MAINLINE ALIGN	SCALED COORDINATES U.S. SURVEY FOOT		GRID COORDINATES U.S. SURVEY FOOT	
				NORTHING	EASTING	NORTHING	EASTING
P1	2+00.22	111+40.02	WEST LEG	644339.165	1935736.489	644284.388	1935571.926
P2	3+08.06	310+58.25	SOUTH LEG	644265.936	1935800.839	644211.165	1935636.271
P3	4+20.14	200+70.00	EAST LEG	644332.263	1935876.318	644277.486	1935711.743
P4	0+90.27	400+70.00	NORTH LEG	644405.629	1935809.854	644350.846	1935645.285

ROUNDABOUT TIES							
* CENTER OF ROUNDABOUT							
STA. 112+10.02, 0.00' RT. CL CONST. WEST LEG = STA. 200.00.00, 0.00' RT. CL CONST EAST LEG							
STA. 400+00.00, 0.00' RT. CL CONST. NORTH LEG = STA. 311+28.25, 0.00 RT. CL CONST. SOUTH LEG							
NORTHING = 516795.531							
EASTING = 1422066.071							
RADIUS = 70.00'							
				SCALED COORDINATES U.S. SURVEY FOOT		GRID COORDINATES U.S. SURVEY FOOT	
POINT	ICD STATION	REF LINE STATATION	REF LINE ALIGN	NORTHING	EASTING	NORTHING	EASTING
1	0+26.06	230+00.00	EL	644375.485	1935864.009	644320.705	1935699.435
2	0+38.52	420+00.00	NR	644385.052	1935856.061	644330.271	1935691.488
3	1+36.04	430+00.00	NL	644393.306	1935766.614	644338.524	1935602.049
4	1+48.20	131+37.33	WL	644385.563	1935757.260	644330.782	1935592.695
5	2+46.53	121+33.20	WR	644295.490	1935749.115	644240.717	1935584.551
6	2+55.17	331+35.48	SL	644288.742	1935754.503	644233.969	1935589.939
7	3+53.87	321+31.56	SR	644276.963	1935844.459	644222.191	1935679.887
8	3+69.11	220+00.00	ER	644286.574	1935856.256	644231.801	1935691.683

C10

CURVE DATA
P.I. = STA. 321+03.23
Δ = 49°45'52" RT
Dc = 81°51'04"
R = 70.00'
T = 32.47'
L = 60.80'
E = 7.16'

C11

CURVE DATA
P.I. = STA. 420+39.65
Δ = 42°29'15" RT
Dc = 56°10'20"
R = 102.00'
T = 39.65'
L = 75.64'
E = 7.44'

C12

CURVE DATA
P.I. = STA. 430+35.80
Δ = 57°41'14" LT
Dc = 88°08'50"
R = 65.00'
T = 35.80'
L = 65.44'
E = 9.21'

C13

CURVE DATA
P.I. = STA. 421+31.47
Δ = 00°23'10" RT
Dc = 07°39'38"
R = 747.94'
T = 2.52'
L = 5.04'
E = 0.00'

C14

CURVE DATA
P.I. = STA. 431+23.46
Δ = 00°23'10" RT
Dc = 07°20'46"
R = 779.94'
T = 2.63'
L = 5.26'
E = 0.00'

C15

CURVE DATA
P.I. = STA. 0+00.00
Δ = 360°00'00" LT
Dc = 81°51'04"
R = 70.00'
T = 0.00'
L = 439.82'
E = 0.00'

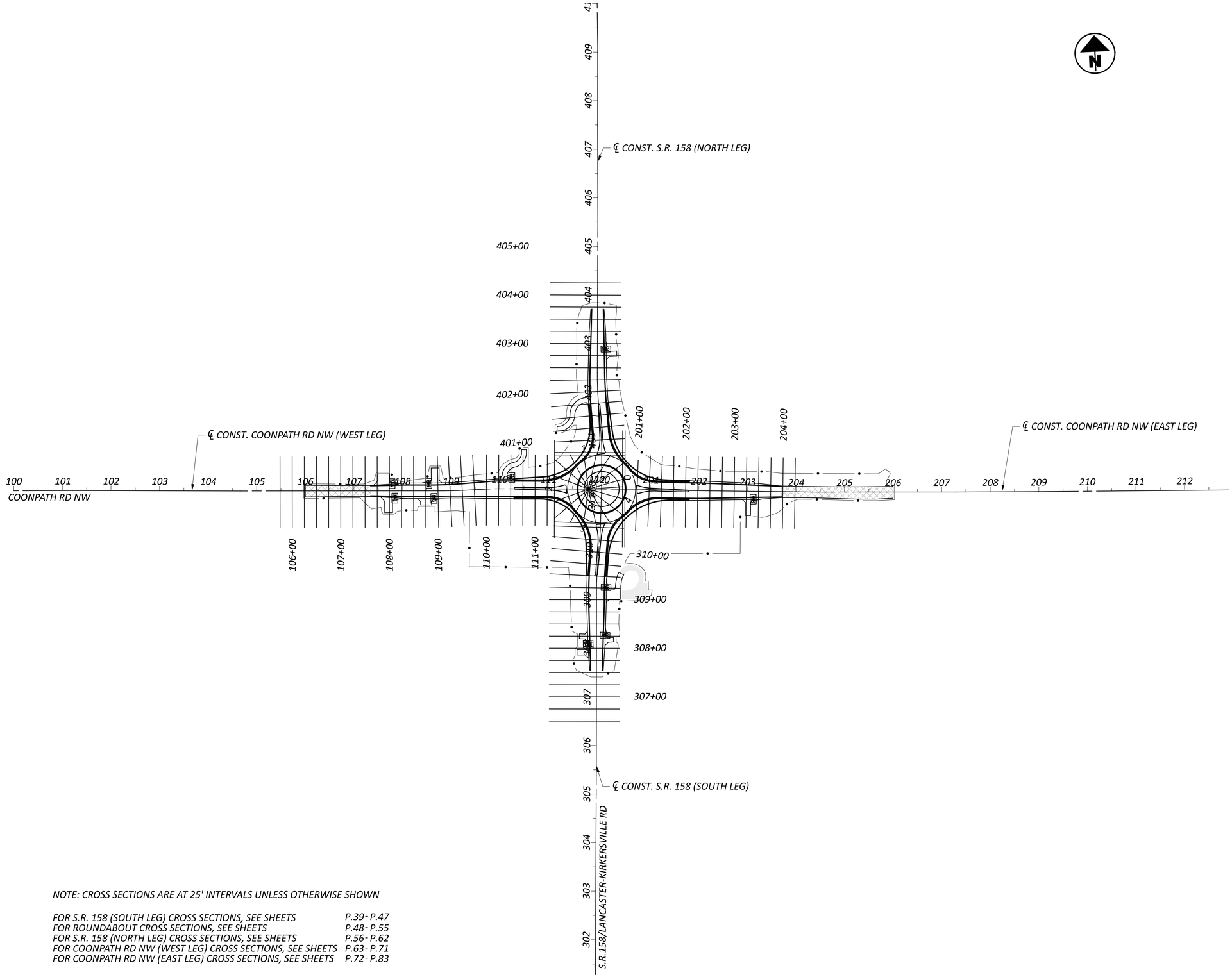
ROUNDABOUT GEOMETRIC LAYOUT

DESIGN AGENCY
AECOM

DESIGNER VHP
REVIEWER NSP 06/03/25
PROJECT ID 111621
SHEET P.3 TOTAL 127

FAI-158-4.20

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NOTE: CROSS SECTIONS ARE AT 25' INTERVALS UNLESS OTHERWISE SHOWN

FOR S.R. 158 (SOUTH LEG) CROSS SECTIONS, SEE SHEETS	P.39 - P.47
FOR ROUNDABOUT CROSS SECTIONS, SEE SHEETS	P.48 - P.55
FOR S.R. 158 (NORTH LEG) CROSS SECTIONS, SEE SHEETS	P.56 - P.62
FOR COONPATH RD NW (WEST LEG) CROSS SECTIONS, SEE SHEETS	P.63 - P.71
FOR COONPATH RD NW (EAST LEG) CROSS SECTIONS, SEE SHEETS	P.72 - P.83

HORIZONTAL SCALE IN FEET
0 50 100 200

CROSS SECTION LAYOUT

DESIGN AGENCY
AECOM

DESIGNER VHP
REVIEWER NSP 06/03/25
PROJECT ID 111621
SHEET P.4 TOTAL 127

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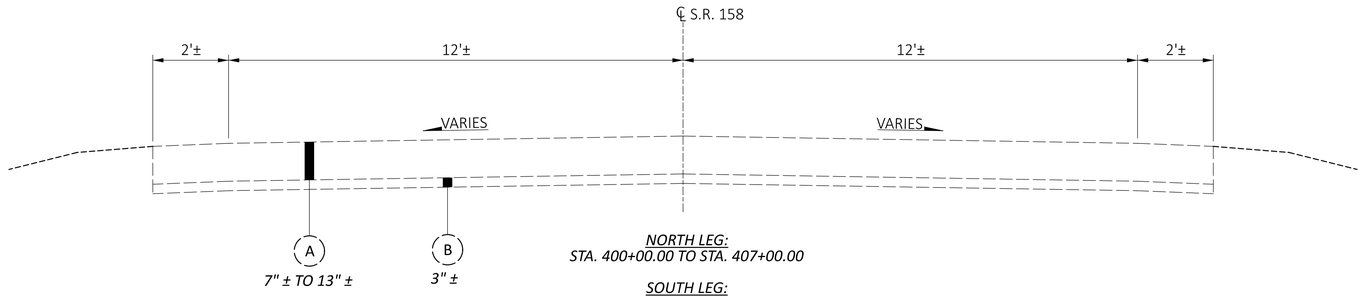
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EXISTING LEGEND

- (A) EX. ASPHALT CONCRETE
- (B) EX. BRICK BASE
- (C) EX. AGGREGATE BASE

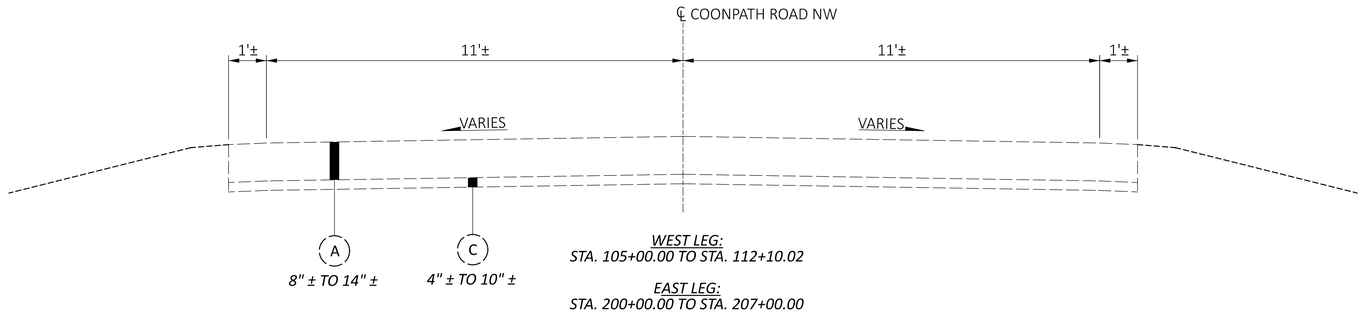
PROPOSED LEGEND

- (1) ITEM 204 - PROOF ROLLING
- (2) ITEM 204 - SUBGRADE COMPACTION
- (3) ITEM 206 - CEMENT STABILIZED SUBGRADE, 14" DEPTH
- (4) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, 3.0"
- (5) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22, (449)
- (6) ITEM 304 - 6" AGGREGATE BASE
- (7) ITEM 407 - NON-TRACKING TACK COAT
- (8) ITEM 441 - 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449) PG70-22M
- (9) ITEM 441 - 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
- (10) ITEM 452 - 9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, (SEE DETAIL "D" AND DETAIL "E" ON SHEET P.6)
- (11) ITEM 605 - 6" BASE PIPE UNDERDRAIN
- (12) ITEM 609 - 6" CONCRETE TRAFFIC ISLAND, CLASS QC1P, (SEE DETAIL "C" ON SHEET P.6)
- (13) ITEM 609 - CURB, TYPE 6
- (14) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 9, AS PER PLAN - 1, (SEE DETAIL "A" ON SHEET P.6)
- (15) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 9, AS PER PLAN - 2, (SEE DETAIL "B" ON SHEET P.6)
- (16) ITEM 659 - SEEDING AND MULCHING, CLASS 1



NORTH LEG:
STA. 400+00.00 TO STA. 407+00.00

SOUTH LEG:
STA. 306+00.00 TO STA. 311+28.25



WEST LEG:
STA. 105+00.00 TO STA. 112+10.02

EAST LEG:
STA. 200+00.00 TO STA. 207+00.00

EXISTING TYPICAL SECTIONS

DESIGN AGENCY
AECOM

DESIGNER
KB

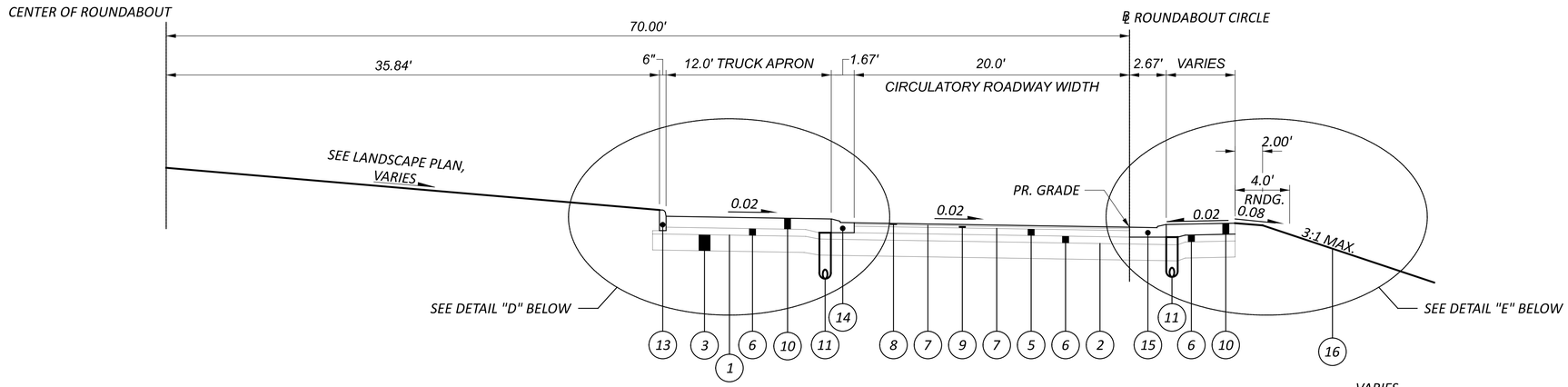
REVIEWER
NSP 06/03/25

PROJECT ID
111621

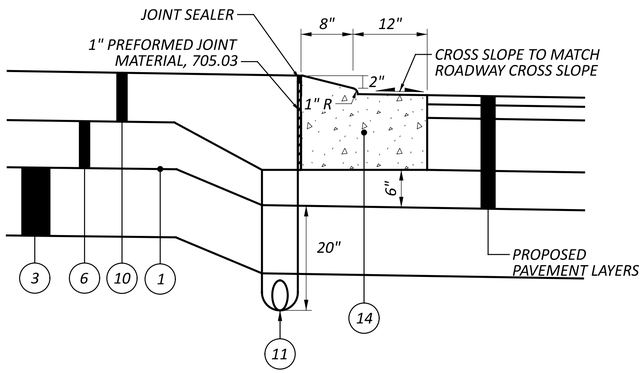
SHEET P.5 | TOTAL 127

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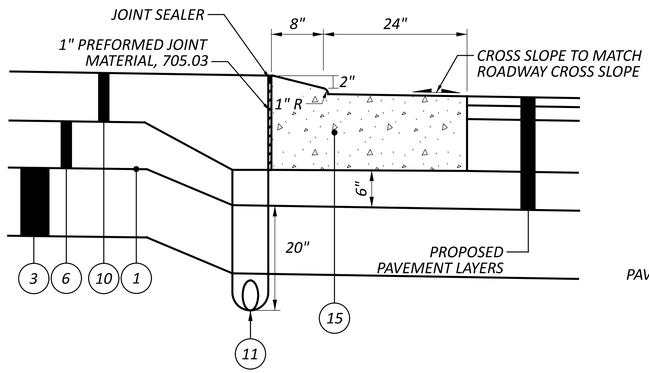
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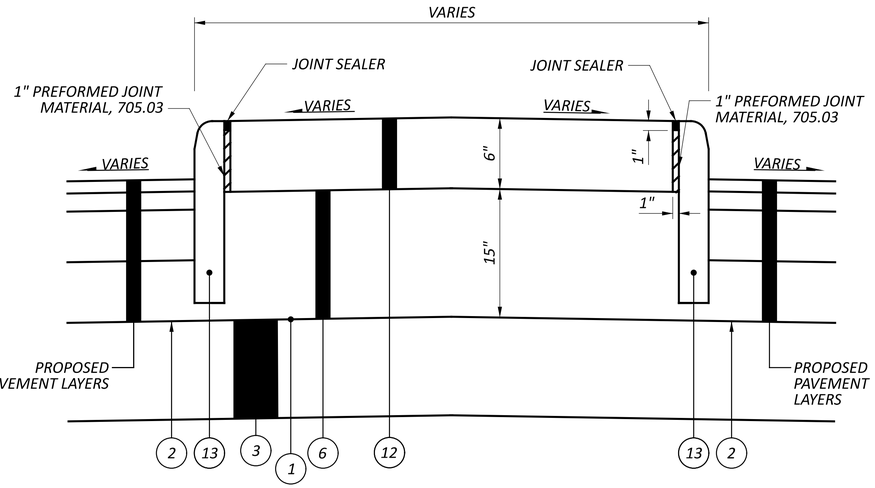
ROUNDABOUT CIRCLE
STA. 0+00.00 TO STA. 4+39.82



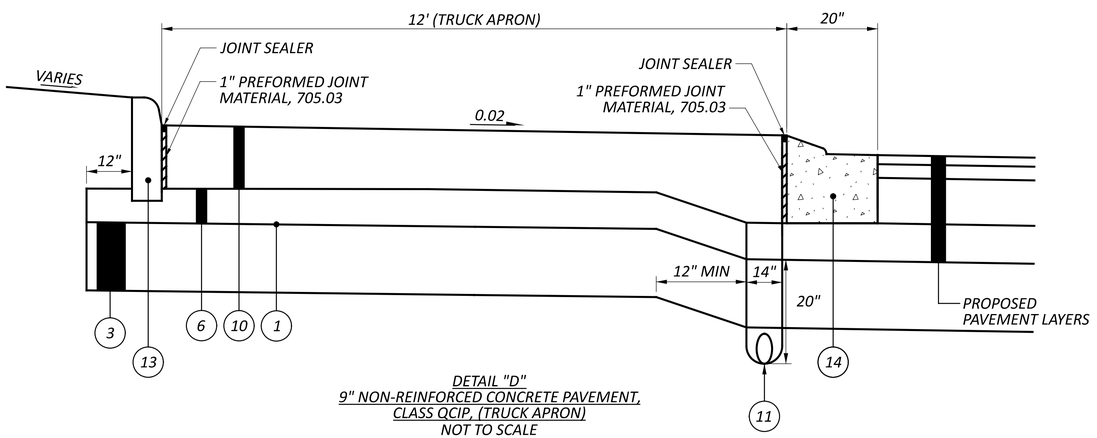
DETAIL "A"
CURB, TYPE 9, AS PER PLAN - 1
NOT TO SCALE
(FOR INSIDE TRUCK APRON)



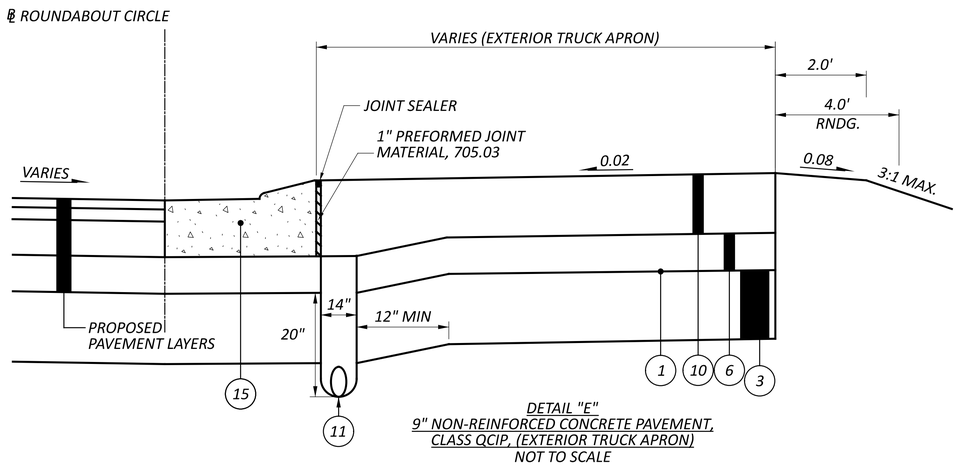
DETAIL "B"
CURB, TYPE 9, AS PER PLAN - 2
NOT TO SCALE
(FOR OUTSIDE TRUCK APRON)



DETAIL "C"
6" CONCRETE TRAFFIC ISLAND, CLASS QC1P
(SPLITTER ISLAND)
(SEE SCD, RM-3.1 FOR ADDITIONAL DETAILS)
NOT TO SCALE



DETAIL "D"
9" NON-REINFORCED CONCRETE PAVEMENT,
CLASS QCIP, (TRUCK APRON)
NOT TO SCALE



DETAIL "E"
9" NON-REINFORCED CONCRETE PAVEMENT,
CLASS QCIP, (EXTERIOR TRUCK APRON)
NOT TO SCALE

PROPOSED TYPICAL SECTIONS - ROUNDABOUT CIRCLE

DESIGN AGENCY
AECOM

DESIGNER
KB

REVIEWER
NSP 06/03/25

PROJECT ID
111621

SHEET P.6 | TOTAL 127

FAI-158-4.20

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:41:44 AM USER: PatelV2
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PROPOSED TYPICAL SECTIONS - SR 158

[A]

NORTH LEG:
16.00' FROM STA. 401+75.00 TO STA. 402+00.00
TAPERS FROM 16.00' @ STA. 402+00.00 TO 12.00' @ STA. 403+70.00

SOUTH LEG:
TAPERS FROM 12.00' @ STA. 307+55.00 TO 16.00' @ STA. 308+90.00
16.00' FROM STA. 308+90.00 TO STA. 309+50.00

[B]

NORTH LEG:
4.00' FROM STA. 401+75.00 TO STA. 403+20.00
TAPERS FROM 4.00' @ STA. 403+20.00 TO 2.00' @ STA. 403+70.00

SOUTH LEG:
TAPERS FROM 2.00' @ STA. 307+55.00 TO 4.00' @ STA. 308+05.00
4.00' FROM STA. 308+05.00 TO STA. 309+50.00

[C]

NORTH LEG:
4.00' FROM STA. 401+75.00 TO STA. 403+20.00
TAPERS FROM 4.00' @ STA. 403+20.00 TO 1.50' @ STA. 403+70.00

SOUTH LEG:
TAPERS FROM 2.00' @ STA. 307+55.00 TO 4.00' @ STA. 308+05.00
4.00' FROM STA. 308+05.00 TO STA. 309+50.00

[D]

NORTH LEG:
VARIES FROM 28.78' @ STA. 400+70.00 TO 16.00' @ STA. 401+75.00

SOUTH LEG:
VARIES FROM 16.00' @ STA. 309+50.00 TO 32.35' @ STA. 310+58.25

[E]

NORTH LEG:
VARIES FROM 31.37' @ STA. 400+70.00 TO 16.00' @ STA. 401+75.00

SOUTH LEG:
VARIES FROM 16.00' @ STA. 309+50.00 TO 28.53' @ STA. 310+58.25

[F]

NORTH LEG:
VARIES FROM 10.27' @ STA. 400+70.00 TO 2.00' @ STA. 401+75.00

SOUTH LEG:
VARIES FROM 2.00' @ STA. 309+50.00 TO 6.56' @ STA. 310+58.25

[G]

NORTH LEG:
VARIES FROM 5.56' @ STA. 400+70.00 TO 2.00' @ STA. 401+75.00

SOUTH LEG:
VARIES FROM 2.00' @ STA. 309+50.00 TO 10.36' @ STA. 310+58.25

[H]

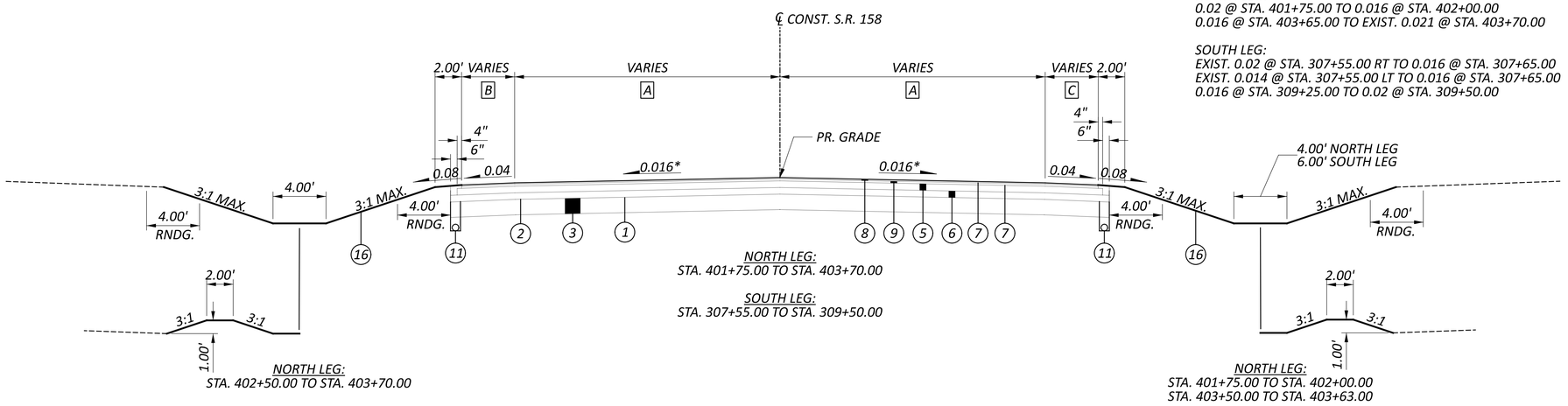
NORTH LEG:
VARIES FROM 8.69' @ STA. 400+70.98 TO 0.00' @ STA. 401+75.00

SOUTH LEG:
VARIES FROM 0.00' @ STA. 309+50.00 TO 6.12' @ STA. 310+55.50

[I]

NORTH LEG:
VARIES FROM 4.86' @ STA. 400+72.85 TO 0.00' @ STA. 401+75.00

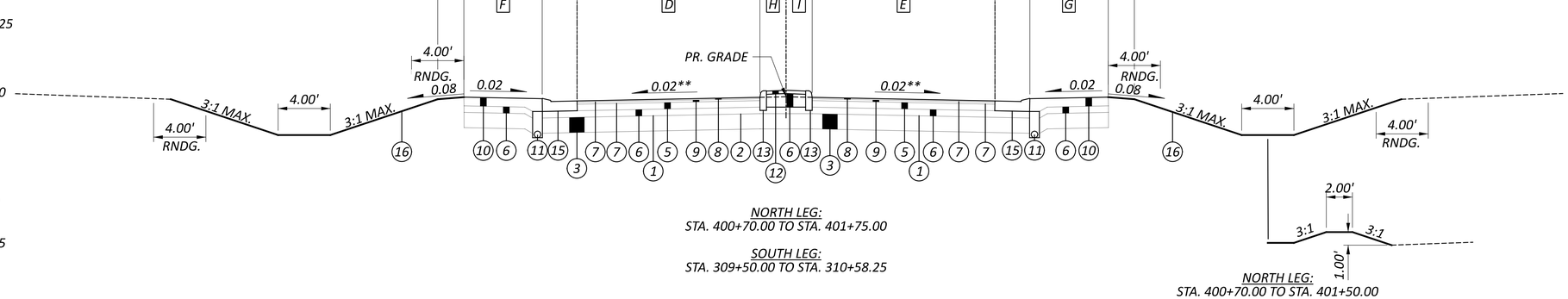
SOUTH LEG:
VARIES FROM 0.00' @ STA. 309+50.00 TO 7.69' @ STA. 310+57.16



** PAVEMENT CROSS SLOPE TRANSITIONS:*

NORTH LEG:
0.02 @ STA. 401+75.00 TO 0.016 @ STA. 402+00.00
0.016 @ STA. 403+65.00 TO EXIST. 0.021 @ STA. 403+70.00

SOUTH LEG:
EXIST. 0.02 @ STA. 307+55.00 RT TO 0.016 @ STA. 307+65.00
EXIST. 0.014 @ STA. 307+55.00 LT TO 0.016 @ STA. 307+65.00
0.016 @ STA. 309+25.00 TO 0.02 @ STA. 309+50.00



***PAVEMENT CROSS SLOPE TRANSITIONS APPROACHING AND DEPARTING THE ROUNDABOUT:*

NORTH LEG:
VARIES AT STA. 401+70.00 TO 0.02 @ STA. 401+17.21 RT
VARIES AT STA. 401+70.00 TO 0.02 @ STA. 401+13.33 LT

SOUTH LEG:
0.02 @ STA. 310+21.27 RT TO VARIES AT STA. 310+58.25
0.02 @ STA. 310+01.26 LT TO VARIES AT STA. 310+58.25

NOTE: SLOPE VARIES AS THE PAVEMENT APPROACHES AND DEPARTS THE ROUNDABOUT.
SEE PAVEMENT DETAILS P.84 - P.86 AND ROUNDABOUT PROFILES P.88 - P.91.

DESIGN AGENCY
AECOM

DESIGNER
KB

REVIEWER
NSP 06/03/25

PROJECT ID
111621

SHEET P.7 | TOTAL 127

FAI-158-4.20

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:42:01 AM USER: PatelV2
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PROPOSED TYPICAL SECTIONS - COONPATH RD NW

[A]

EAST LEG:
16.00' FROM STA. 201+80.00 TO STA. 202+00.00
TAPERS FROM 16.00' @ STA. 202+00.00 TO 11.00' @ STA. 203+70.00

WEST LEG:
TAPERS FROM 10.50' @ STA. 107+35.00 TO 12.00' @ STA. 108+10.00
12.00' FROM STA. 108+10.00 TO STA. 108+65.00
TAPERS FROM 12.00' @ STA. 108+65.00 TO 16.00' @ STA. 110+00.02
16.00' FROM STA. 110+00.02 TO STA. 110+30.00

[B]

EAST LEG:
4.00' FROM STA. 201+80.00 TO STA. 203+20.00
TAPERS FROM 4.00' @ STA. 203+20.00 TO 1.00' @ STA. 203+70.00

WEST LEG:
TAPERS FROM 1.00' @ STA. 107+35.00 TO 4.00' @ STA. 108+10.00
4.00' FROM STA. 108+10.00 TO STA. 110+30.00

[C]

EAST LEG:
VARIES FROM 28.50' @ STA. 200+70.00 TO 16.00' @ STA. 201+80.00

WEST LEG:
VARIES FROM 16.00' @ STA. 110+30.00 TO 31.74' @ STA. 111+40.02

[D]

EAST LEG:
VARIES FROM 31.38' @ STA. 200+70.00 TO 16.00' @ STA. 201+80.00

WEST LEG:
VARIES FROM 16.00' @ STA. 110+30.00 TO 31.74' @ STA. 111+40.02

[E]

EAST LEG:
VARIES FROM 7.77' @ STA. 200+70.00 TO 2.00' @ STA. 201+80.00

WEST LEG:
VARIES FROM 2.00' @ STA. 110+30.00 TO 7.52' @ STA. 111+40.02

[F]

EAST LEG:
VARIES FROM 8.86' @ STA. 200+70.00 TO 2.00' @ STA. 201+80.00

WEST LEG:
VARIES FROM 2.00' @ STA. 110+30.00 TO 7.29' @ STA. 111+40.02

[G]

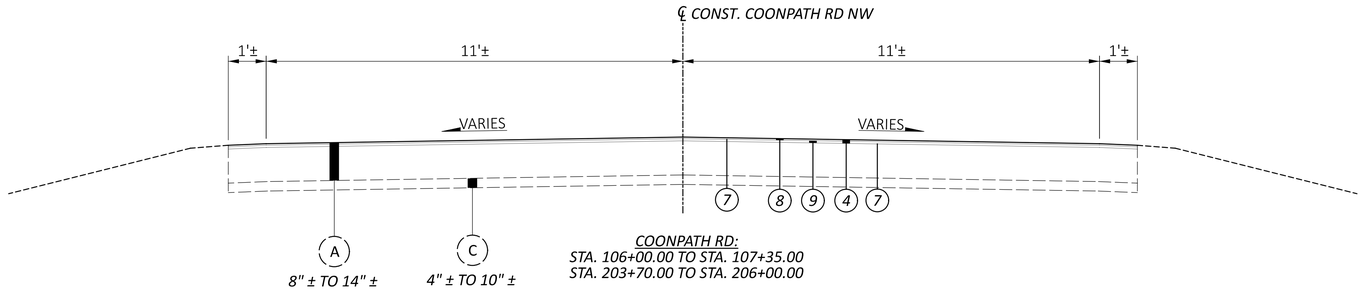
EAST LEG:
VARIES FROM 7.58' @ STA. 200+71.10 TO 0.00' @ STA. 201+80.00

WEST LEG:
VARIES FROM 0.00' @ STA. 110+30.00 TO 5.51' @ STA. 111+37.22

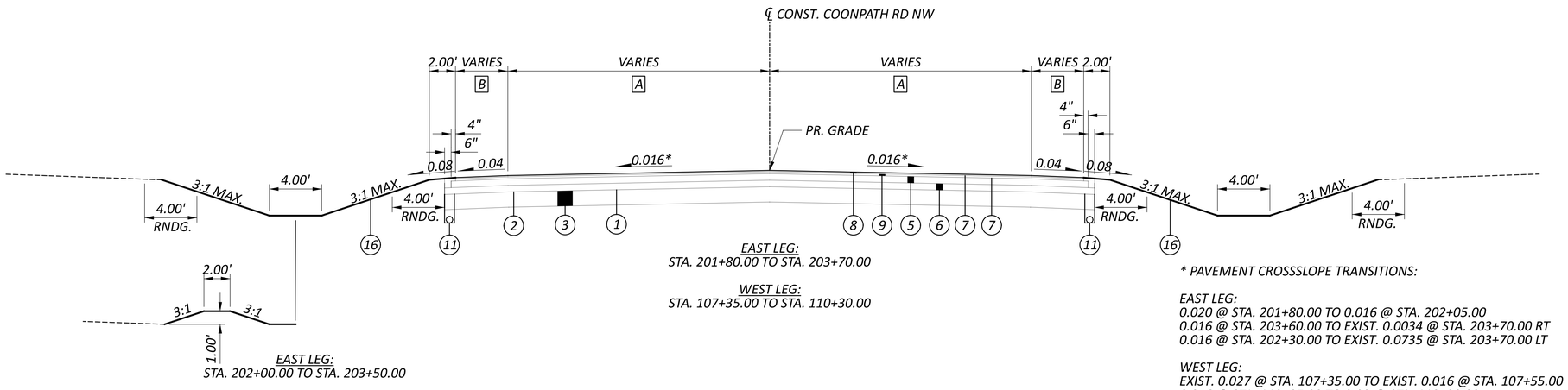
[H]

EAST LEG:
VARIES FROM 6.14' @ STA. 200+72.75 TO 0.00' @ STA. 201+80.00

WEST LEG:
VARIES FROM 0.00' @ STA. 110+30.00 TO 7.93' @ STA. 111+38.96



COONPATH RD:
STA. 106+00.00 TO STA. 107+35.00
STA. 203+70.00 TO STA. 206+00.00



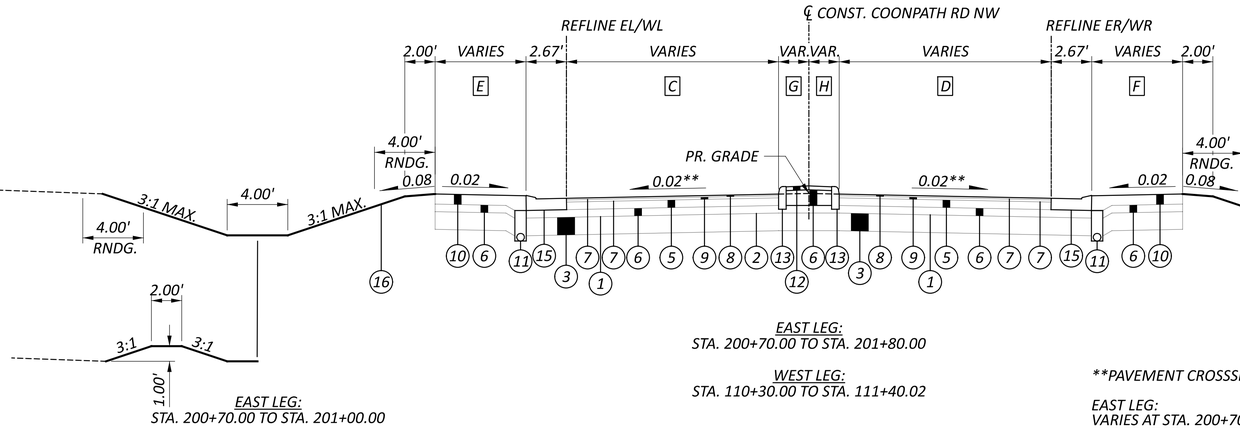
EAST LEG:
STA. 201+80.00 TO STA. 203+70.00

WEST LEG:
STA. 107+35.00 TO STA. 110+30.00

** PAVEMENT CROSSSLOPE TRANSITIONS:*

EAST LEG:
0.020 @ STA. 201+80.00 TO 0.016 @ STA. 202+05.00
0.016 @ STA. 203+60.00 TO EXIST. 0.0034 @ STA. 203+70.00 RT
0.016 @ STA. 202+30.00 TO EXIST. 0.0735 @ STA. 203+70.00 LT

WEST LEG:
EXIST. 0.027 @ STA. 107+35.00 TO EXIST. 0.016 @ STA. 107+55.00
0.016 @ STA. 110+05.00 TO 0.02 @ STA. 110+30.00



EAST LEG:
STA. 202+00.00 TO STA. 203+50.00

EAST LEG:
STA. 200+70.00 TO STA. 201+80.00

WEST LEG:
STA. 110+30.00 TO STA. 111+40.02

EAST LEG:
STA. 200+70.00 TO STA. 201+00.00

***PAVEMENT CROSSSLOPE TRANSITIONS APPROACHING AND DEPARTING THE ROUNDABOUT:*

EAST LEG:
VARIES AT STA. 200+70.00 TO 0.02 @ STA. 201+21.57 RT
VARIES AT STA. 200+70.00 TO 0.02 @ STA. 201+08.11 LT

WEST LEG:
0.020 @ STA. 110+99.54 RT TO VARIES AT STA 111+40.02
0.020 @ STA. 110+87.05 LT TO VARIES AT STA. 111+40.02

NOTE: SLOPE VARIES AS THE PAVEMENT APPROACHES AND DEPARTS THE ROUNDABOUT.
SEE PAVEMENT DETAILS P.84 - P.86 AND ROUNDABOUT PROFILES P.88 - P.91.

DESIGN AGENCY
AECOM

DESIGNER KB
REVIEWER NSP 06/03/25
PROJECT ID 111621
SHEET P.8 TOTAL 127

FAI-158-4.20

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:42:23 AM USER: PatelV2
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GENERAL

ROUNDING

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS, EVEN THOUGH OTHERWISE SHOWN.

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

SOUTH CENTRAL POWER
DIRECTOR OF ENGINEERING
2780 COONPATH ROAD, NE
P.O. OFFICE BOX 250
LANCASTER, OHIO 43130
ATTN: ZACK REED
740-689-6150
ZREED@SOUTHCENTRALPOWER.COM

SOUTH CENTRAL POWER
TRANSMISSION PROJECT MANAGER
ATTN: CASEY VALENTINE
740-823-1334
VALENTINE@SOUTHCENTRALPOWER.COM

AT&T OHIO
111 NORTH FOURTH ST.
COLUMBUS, OHIO 43215
ATTN: KEVIN GLASSER
614-208-9312
KG1963@ATT.COM

NORTHEAST OHIO NATURAL GAS CORP.
5640 LANCASTER-NEWARK ROAD
PLEASANTVILLE, OHIO 43148
ATTN: QUEENIE FORTALEZA
740-400-4319
QFORTALEZA@EGAS.NET

SPECTRUM CABLE TV
3760 INTERCHANGE ROAD
COLUMBUS, OHIO 43204
ATTN: DANIEL FEINGOLD
614-487-7718
DANIEL.FEINGOLD@CHARTER.COM

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

CONSTRUCTION NOISE

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER-OPERATED CONSTRUCTION-TYPE DEVICES BETWEEN THE HOURS OF 9 PM AND 7 AM. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET P.2 OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL	
POSITIONING METHOD:	ODOT VRS GNSS
MONUMENT TYPE:	TYPE A
VERTICAL POSITIONING	
ORTHOMETRIC HEIGHT DATUM:	NAVD88
GEOID:	GEOID12B
HORIZONTAL POSITIONING	
REFERENCE FRAME:	NAVD83 (2011)
ELLIPSOID:	GRS80
MAP PROJECTION:	LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM:	OHIO STATE PLANE, SOUTH ZONE
COMBINED SCALE FACTOR:	0.999914987 (GROUND TO GRID)
ORIGIN OF COORDINATE SYSTEM:	0,0,0

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH

CMS 623.
UNITS ARE IN U.S. SURVEY FEET.
CONVERSION FACTOR: METER = 3.280833333 U.S. SURVEY FEET.

MONUMENT ASSEMBLIES

CONSTRUCT MONUMENT ASSEMBLIES IN ACCORDANCE WITH THE DETAILS SHOWN ON THE STANDARD CONSTRUCTION DRAWINGS AND AT THE LOCATIONS SHOWN ON THE PROJECT CONTROL POINTS SHEET AND THE RIGHT-OF-WAY PLANS. THE FOLLOWING PAY ITEM HAS CARRIED TO THE GENERAL SUMMARY FOR CONSTRUCTION OF MONUMENT ASSEMBLIES:

ITEM 623, RIGHT OF WAY MONUMENT, TYPE B	33 EACH
ITEM 623, MONUMENT ASSEMBLY, TYPE C	9 EACH

CLEARING AND GRUBBING

REMOVE ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS UNDER THE LUMP SUM BID FOR ITEM 201, CLEARING AND GRUBBING. THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF TREES AND STUMPS TO BE REMOVED.

SIZES	NO. TREES	NO. STUMPS	TOTAL
2"	2	0	2
3"	1	0	1
4"	1	0	1
6"	0	0	0
8"	8	0	8
10"	8	0	8
12"	5	2	7
15"	4	0	4
18"	1	0	1
24"	3	1	4
30"	0	0	0
36"	0	0	0
40"	0	0	0
42"	1	0	1
48"	0	0	0
60"	1	0	1

ITEM 623 - CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ITEM 623 CONSTRUCTION LAYOUT STAKES AND SURVEYING, THE CONTRACTOR SHALL PROVIDE THE FOLLOWING INFORMATION TO THE DEPARTMENT.

THE CONTRACTOR SHALL PROVIDE AS-BUILT DATA FOR THE SPECIFIED COMPLETED CONSTRUCTION ITEMS IN OHIO STATE PLANE COORDINATES (GRID). THE CONSTRUCTION ITEMS SHALL BE LOCATED AS PER THE SURVEY FEATURE CODE LIST FOUND ON THE OHIO DEPARTMENT OF TRANSPORTATION OFFICE OF CADD & MAPPING SERVICES WEBSITE. AN EMAIL CONTAINING A COMMA DELIMITED ASCII FILE AND A SURVEYOR'S CERTIFICATION SHALL BE DELIVERED TO CODY.GIERHART@DOT.OHIO.GOV AFTER ALL INFORMATION HAS BEEN COLLECTED. THE ASCII FILE SHALL INCLUDE A HEADER CONTAINING THE NAME OF THE SURVEYOR, DATE(S) OF COLLECTION, HORIZONTAL DATUM (I.E. NAD83 (2011), OHIO STATE PLANE COORDINATE SYSTEM NORTH OR SOUTH), VERTICAL DATUM (I.E. NAVD 88, GEOID12A) AND METHOD OF COLLECTION (I.E. OHIO VRS, GPS RTK, TOTAL STATION, ETC.) AND BE IN A TABLE FORM AS FOLLOWS:

POINT NUMBER, NORTHING, EASTING, ELEVATION, FEATURE CODE, DESCRIPTION

BELOW IS A LIST OF ITEMS THE CONTRACTOR IS REQUIRED TO PROVIDE FOR THE PROJECT:

- CATCH BASINS
- CULVERTS (INLET AND OUTLET INVERTS, TYPE AND SIZE)
- STORM SEWERS (INLET AND OUTLET INVERTS, TYPE AND SIZE)
- UNDERDRAIN OUTLETS
- POST CONSTRUCTION BMPS
- SIGNS
- LIGHT POLES, PULL BOXES

THE ABOVE ITEMS SHALL BE COLLECTED USING SURVEY GRADE EQUIPMENT MEETING THE REQUIREMENTS OF SECTION 400 IN THE OHIO DEPARTMENT OF TRANSPORTATION SURVEY & MAPPING SPECIFICATIONS MANUAL

ALL COSTS ASSOCIATED WITH OBTAINING THE INFORMATION LISTED ABOVE SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 623 CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN.

ROADWAY

ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 9, AS PER PLAN - 1

CONSTRUCT THE COMBINATION CURB AND GUTTER IN ACCORDANCE WITH ITEM 609 AND STANDARD CONSTRUCTION DRAWING BP-5.1 EXCEPT THAT THE DIMENSIONS SHALL MATCH DETAIL A AS SHOWN ON SHEET P.6.

THE LIMITS OF THIS ITEM SHALL INCLUDE THE GUTTER SLOPE TRANSITIONS. VARY THE GUTTER SLOPE OVER 10 FT FROM 2% NORMAL TO 4% INTO THE SHOULDER.

PAYMENT SHALL INCLUDE THE ADDITIONAL COST NECESSARY TO CONSTRUCT THE COMBINED CURB AND GUTTER AS DESCRIBED ABOVE.

ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 9, AS PER PLAN - 2

CONSTRUCT THE COMBINATION CURB AND GUTTER IN ACCORDANCE WITH ITEM 609 AND STANDARD CONSTRUCTION DRAWING BP-5.1 EXCEPT THAT THE DIMENSIONS SHALL MATCH DETAIL B AS SHOWN ON SHEET P.6.

THE LIMITS OF THIS ITEM SHALL INCLUDE THE GUTTER SLOPE TRANSITIONS. VARY THE GUTTER SLOPE OVER 10 FT FROM 2% NORMAL TO 4% INTO THE SHOULDER.

PAYMENT SHALL INCLUDE THE ADDITIONAL COST NECESSARY TO CONSTRUCT THE COMBINED CURB AND GUTTER AS DESCRIBED ABOVE.

ITEM 630, GROUND MOUNTED SUPPORT, NO. 3 POST, AS PER PLAN

SIGN POST SUPPORTS SHALL CONFORM TO SCD TC-41.20, EXCEPT ONLY THE TYPE S POSTS WITH ANCHOR BASES SHALL BE FURNISHED FOR THIS PROJECT. TYPE F AND TYPE P POSTS WILL NOT BE ACCEPTED.

ITEM SPECIAL - MAILBOX SUPPORT

THIS WORK SHALL CONSIST OF FURNISHING AND ERECTING MAILBOX SUPPORTS AND ANY ASSOCIATED MOUNTING HARDWARE IN ACCORDANCE WITH PLAN DETAILS, AND ATTACHING AN OWNER-SUPPLIED MAILBOX AT LOCATIONS SPECIFIED IN THE PLAN, OR OTHERWISE ESTABLISHED BY THE ENGINEER.

WOOD POSTS SHALL BE NOMINAL 4 INCHES BY 4 INCHES SQUARE OR 4.5 INCHES DIAMETER ROUND, AND CONFORM TO 710.14. STEEL POSTS SHALL BE NOMINAL PIPE SIZE 2 INCHES I.D., AND CONFORM TO AASHTO M 181.

ALL HARDWARE INCLUDING BUT NOT LIMITED TO PLATES, SCREWS BOLTS, AND ETC. SHALL BE COMMERCIAL-GRADE GALVANIZED STEEL. POSTS SHALL BE SET PER THE FIRST PARAGRAPH OF 606.03, AND SHALL IN NO INSTANCE BE ENCASED IN CONCRETE.

SUPPORT HARDWARE SHALL ACCOMODATE EITHER A SINGLE OR A DOUBLE MAILBOX INSTALLATION, AND NO MORE THAN TWO BOXES MAY BE MOUNTED ON A SINGLE POST.

THE MAILBOX SHALL BE SECURELY AND NEATLY ATTACHED BY THE CONTRACTOR TO THE NEW SUPPORT. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ATTACHMENT HARDWARE (NUTS, BOLTS, PLATES, SPACERS, AND WASHERS) AS NECESSARY TO ACCOMMODATE THE COMPLETE INSTALLATION.

IN THE ABSENCE OF A NEW BOX SUPPLIED BY THE OWNER, THE CONTRACTOR SHALL SALVAGE THE EXISTING BOX AND PLACE IT ON THE NEW SUPPORT. DUE CARE SHALL BE EXERCISED IN SUCH AN OPERATION, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY BOX DAMAGED BY IMPROPER HANDLING ON HIS PART, AS JUDGED AND DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE LOCAL POST MASTER REGARDING THE TIMING OF THE MOVEMENT OF ANY MAILBOX TO A NEW LOCATION.

PAYMENT UNDER THIS ITEM SHALL BE LIMITED TO FINAL PERMANENT INSTALLATIONS. TEMPORARY INSTALLATIONS SHALL BE IN ACCORDANCE WITH 107.10. HOWEVER, THE SAME MATERIA LAND SIZE LIMITATIONS AS FOR PERMANENT INSTALLATIONS SHALL APPLY.

MAILBOX SUPPORTS, COMPLETE IN PLACE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH, FOR ITEM SPECIAL MAILBOX SUPPORT SYSTEM, (SINGLE) (DOUBLE).

ITEM 659 - SEEDING AND MULCHING CONTINGENCY

AN ADDITIONAL 5,800 SY OF SEEDING AND MULCHING HAS BEEN PROVIDED IN THE GENERAL SUMMARY FOR WORK OUTSIDE OF THE GRADING LIMITS AS SHOWN IN THE CROSS SECTIONS.

DESIGN AGENCY
AECOM
DESIGNER VHP
REVIEWER NSP 06/03/25
PROJECT ID 111621
SHEET P.9 TOTAL 127

FAI-158-4.20
MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:42:41 AM USER: PatelV2
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PAVEMENT

ITEM 407 - NON-TRACKING TACK COAT

THE RATE OF APPLICATION OF THE ITEM 407, NON-TRACKING TACK COAT, SHALL BE PER CMS TABLE 407.06-1 AND SUBJECT TO ADJUSTMENT AS DIRECTED BY THE ENGINEER. PLAN QUANTITIES INDICATE AN AVERAGE APPLICATION RATE OF 0.08 GAL/SY FOR TACK COAT OVER MILLED ASPHALT AND 0.05 GAL/SY OVER NEW ASPHALT (FOR ESTIMATING PURPOSES ONLY).

ITEM 408 - PRIME COAT

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING A PRIME COAT.

ITEM 408, PRIME COAT	*50 GAL.*

EROSION CONTROL

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

659, SOIL ANALYSIS TEST	*2 EACH*
659, TOPSOIL, AS PER PLAN	*1422 CU. YD.*
659, REPAIR SEEDING AND MULCHING	*660 SQ. YD.*
659, INTER-SEEDING	*660 SQ. YD.*
659, COMMERCIAL FERTILIZER	*1.82 TON*
659, LIME	*2.69 ACRES*
659, WATER	*72 M. GAL.*
659, MOWING	*29 M. SQ.FT.*

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY THE WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

ITEM 653 - TOPSOIL, AS PER PLAN

ON-SITE TOPSOIL MEETING THE REQUIREMENTS OF CMS 659.05 IS ALLOWED FOR USE ON THIS PROJECT, AS DIRECTED BY THE ENGINEER.

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

LANDSCAPING

ITEM 657 - RIPRAP FOR TREE PROTECTION, AS PER PLAN

THIS WORK CONSISTS OF FURNISHING AND PLACING RIPRAP ON TOP OF THE GEOTEXTILE FABRIC WITHIN THE CIRCLE AREA OF THE ROUNDABOUT AS SHOWN IN THE PLANS.

MATERIALS:
USE A NON-CRUSHED NATURAL ROCK GRAVEL. LIMESTONE IS NOT ACCEPTABLE. THE SOUNDNESS REQUIREMENTS OF 657.02 ARE WAIVED. THE GRADATION REQUIRED WILL BE 100% PASSING A 6" SIEVE AND 0% PASSING A 3" SIEVE. PLACE STONES IN A 6" LIFT. MANUAL PLACING REQUIREMENTS PER 657.05 IS WAIVED.

METHOD OF MEASUREMENT AND PAYMENT:
THE GEOTEXTILE FABRIC IS PAID SEPARATELY UNDER ITEM 204 GEOTEXTILE FABRIC. MEASUREMENT AND PAYMENT FOR THE GRAVEL MATERIAL SHALL BE BY THE SQUARE YARD, COMPLETE IN PLACE AND ACCEPTED BY THE ENGINGEER AS PER ITEM 657, RIPRAP FOR TREE PROTECTION, AS PER PLAN.

ENVIRONMENTAL

ENVIRONMENTAL RESTRICTIONS

THE CONTRACTOR SHALL NOT PERFORM ANY WORK WITHIN THE JURISDICTIONAL BOUNDARIES OF ANY WATERWAY, INCLUDING WETLANDS, UNLESS THE NECESSARY WATERWAY PERMIT(S) ARE OBTAINED BY THE OHIO DEPARTMENT OF TRANSPORTATION. THIS INCLUDES THE PLACEMENT OF ANY TEMPORARY OR PERMANENT FILLS.

ENDANGERED SPECIES HABITAT

THIS PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT, NORTHERN LONG-EARED BAT, AND TRICOLORED BAT; AND THE STATE-LISTED LITTLE BROWN BAT. NO TREES SHALL BE REMOVED TO CONSTRUCT THE PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT. FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

WATER QUALITY

POST CONSTRUCTION STORM WATER TREATMENT

THIS PLAN UTILIZES STRUCTURAL BEST MANAGEMENT PRACTICES (BMP'S) FOR POST CONSTRUCTION STORM WATER TREATMENT.

VEGETATED FILTER STRIP

THIS PLAN UTILIZES VEGETATED FILTER STRIP(S) FOR POST CONSTRUCTION STORM WATER TREATMENT. PLACE EITHER ITEM 660 SODDING ITEM 659 SEEDING AND MULCHING WITH A 4-INCH LIFT OF TOPSOIL AND ITEM 670, SLOPE EROSION PROTECTION TO ALL DISTURBED AREAS DESIGNATED AS VEGETATED FILTER STRIPS, THE EDGE OF SHOULDER, AND THE FORESLOPE AS SPECIFIED IN THE PLANS.

VEGETATED BIOFILTER

THIS PLAN UTILIZES VEGETATED BIOFILTER(S) FOR POST CONSTRUCTION STORM WATER TREATMENT. PLACE EITHER ITEM 660 SODDING OR ITEM 659 SEEDING AND MULCHING WITH A 4-INCH LIFT OF TOPSOIL AS SHOWN IN THE PLANS TO ANY DISTURBED AREA ON THE SHOULDER AND FORESLOPE DRAINING TO A VEGETATED BIOFILTER. THE DITCH FOR EACH VEGETATED BIOFILTER IS TRAPEZOIDAL, AS SHOWN IN THE PLAN CROSS SECTIONS. PROVIDE ITEM 670 AS SPECIFIED IN THE PLANS.

DRAINAGE

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILTY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

EXISTING SUBSURFACE DRAINAGE

PROVIDE UNOBSTRUCTED OUTLETS FOR ALL EXISTING UNDERDRAINS OR AGGREGATE DRAINS ENCOUNTERED DURING CONSTRUCTION.

PROVIDE AN OUTLET PER STANDARD CONSTRUCTION DRAWING DM-1.1 FOR ALL UNDERDRAINS THAT OUTLET TO A SLOPE.

UNDERDRAINS THAT CAN BE CONNECTED TO THE NEW OR EXISTING UNDERDRAINS AT THE END OF THE PROJECT LIMITS AS WELL AS ALL NECESSARY BENDS OR BRANCHES REQUIRED FOR CONNECTION ARE INCLUDED IN THE BASIS OR PAYMENT FOR UNCLASSIFIED PIPE UNDERDRAINS.

THE FOLLOWING ESTIMATED QUANTITES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM 601, TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	*2 SY*
ITEM 605, 6" UNCLASSIFIED PIPE UNDERDRAINS	*20 FT*
ITEM 605, AGGREGATE DRAINS	*20 FT*
ITEM 611, 6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLET	*10 FT*
ITEM 611 , PRECAST REINFORCED CONCRETE OUTLET	*1 EACH*

FARM DRAINS

PROVIDE UNOBSTRUCTED OUTLETS TO ALL FARM DRAINS ENCOUNTERED DURING CONSTRUCTION. REPLACE EXISTING COLLECTORS WHICH ARE LOCATED BELOW THE ROADWAY DITCH ELEVATIONS, AND WHICH CROSS THE ROADWAY WITHIN THE CONSTRUCTION LIMITS WITH ITEM 611, CONDUIT, TYPE B, ONE COMMERCIAL SIZE LARGER THAN THE EXISTING CONDUIT.

OUTLET EXISTING COLLECTORS AND ISOLATED FARM DRAINS, WHICH AREA ENCOUNTERED ABOVE THE ELEVATION OF ROADWAY DITCHES INTO THE ROADWAY.

DITCH USING ITEM 611, TYPE F CONDUIT, THE OPTIMUM OUTLET ELEVATION IS ONE FOOT ABOVE THE FLOWLINE ELEVATION OF THE DITCH. INTERCEPT LATERAL FIELD TILES WHICH CROSS THE ROADWAY WITH ITEM 611, TYPE E CONDUIT, AND CARRY IN A LONGITUDINAL DIRECTION TO AN ADEQUATE OUTLET OR ROADWAY CROSSING.

THE LOCATION, TYPE, SIZE AND GRADE OF REPLACEMENTS IS DETERMINED BY THE ENGINEER AND PAYMENT MADE ON FINAL MEASUREMENTS.

PROVIDE EROSION CONTROL PADS AT THE OUTLET END OF ALL FARMS DRAINS PER STANDARD CONSTRUCTION DRAWING DM-1.1, EXCEPT WHEN THEY OUTLET INTO A DRAINAGE STRUCTURE.

PAYMENT FOR THE EROSION CONTROL PADS AND ANY NECESSARY BENDS OR BRANCHES IS INCLUDED FOR PAYMENT IN THE PERTINENT CONDUIT ITEMS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

611, 10" CONDUIT, TYPE B	*75 FT.*
611, 10" CONDUIT, TYPE E	*75 FT.*
611, 10" CONDUIT, TYPE F	*75 FT.*
601, ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	*1 CU. YD.*

ITEM SPECIAL - DRILLED WATER WELL ABANDONED

ALL WELLS SHALL BE REMOVED AND PROPERLY ABANDONED IN ACCORDANCE WITH THE OHIO DEPARTMENT OF NATURAL RESOURCES (ODNR) TECHNICAL GUIDANCE FOR SEALING UNUSED WELLS. PAYMENT FOR THIS WORK SHALL BE AS PER ITEM SPECIAL, DRINKING WATER WELL ABANDONMENT.

GENERAL NOTES

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DESIGN AGENCY
AECOM
DESIGNER
VHP
REVIEWER
NSP 06/03/25
PROJECT ID
111621

DRAINAGE CONTINUED

DRAINAGE DISCHARGE CONTINUANCE

FURNISH A DRAINAGE DISCHARGE CONTINUANCE FOR ANY DRAINAGE DISCHARGE DISTURBED BY THE WORK AND NOT SHOWN IN THE PLANS. THE LOCATION, TYPE (CONDUIT OR SWALE), SIZE AND GRADE OF THE DRAINAGE DISCHARGE CONTINUANCE WILL BE AGREED TO BY THE ENGINEER.

FURNISH AN INSPECTION WELL AT THE RIGHT OF WAY LINE IN ACCORDANCE WITH SCD DM-3.1 FOR EACH DRAINAGE DISCHARGE THAT OUTLETS THROUGH A CURB OPENING, OR INTO A STORM SEWER OR DRAINAGE STRUCTURE. THE COST IS INCLUDED IN ITEM 611, INSPECTION WELL.

FURNISH A WELL GRADED TRANSITION BETWEEN THE DITCH AND THE SWALE WHEN OUTLETTING A SWALE TO A DITCH. THE COST FOR THE GRADED TRANSITION IS INCLUDED IN ITEM 203, EMBANKMENT, AS PER PLAN.

FURNISH AN EROSION CONTROL PAD AS SHOWN IN STANDARD CONSTRUCTION DRAWING DM-1.1 WHEN OUTLETTING A CONDUIT TO A DITCH. THE COST FOR THE EROSION CONTROL PAD IS INCLUDED IN ITEM 611, CONDUIT, MISC TYPE _ FOR DRAINAGE DISCHARGE CONTINUANCE.

FURNISH A DRILLED HOLE OR A CURB SECTION WITH A HOLE WHEN OUTLETTING A CONDUIT THROUGH A CURB OPENING. THE COST OF DRILLING, OR FURNISHING THE CURB SECTION WITH HOLE IS INCLUDED IN ITEM 611, CONDUIT, MISC TYPE _ FOR DRAINAGE DISCHARGE CONTINUANCE.

FURNISH A DRILLED CORE HOLE WHEN OUTLETTING INTO A STORM SEWER OR DRAINAGE STRUCTURE. THE COST OF THE DRILLED CORE HOLE IS INCLUDED IN ITEM 611, CONDUIT, MISC TYPE _ FOR DRAINAGE DISCHARGE CONTINUANCE.

DOCUMENTATION:

PROVIDE WRITTEN DOCUMENTATION TO THE ENGINEER AND TO THE DISTRICT R/W PERMIT OFFICE. THE DOCUMENTATION INCLUDES THE CONSTRUCTION PROJECT NUMBER, PID, COUNTY, ROUTE, SECTION, LATITUDE AND LONGITUDE OF THE DRAINAGE DISCHARGE AT THE R/W, THE NAME OF PROPERTY OWNER WITH ADDRESS, THE DATE THE DRAINAGE DISCHARGE WAS LOCATED, THE DATE THE DRAINAGE DISCHARGE CONTINUANCE WAS FURNISHED, A DETAILED DESCRIPTION OF THE WORK AND PICTURES OF THE DRAINAGE DISCHARGECONTINUANCE (IN PDF OR JPEG FORMAT). THE DOCUMENTATION IS INCLUDED IN ITEM 611, CONDUIT, MISC TYPE _ FOR DRAINAGE DISCHARGE CONTINUANCE OR ITEM 203, EMBANKMENT, AS PER PLAN

DRAINAGE DISCHARGE CONTINUANCE REMOVAL:

THE ENGINEER MAY REQUIRE THE NEWLY INSTALLED DRAINAGE DISCHARGE CONTINUANCE TO BE REMOVED.

REMOVE THE NEWLY INSTALLED CONDUIT AND ANY EXISTING CONDUIT TO THE RIGHT OF WAY LINE. FOR CONDUIT THAT OUTLETS THROUGH THE CURB, RESTORE THE CURB BY FILLING THE HOLE WITH CLASS QC 1 CONCRETE OR REPLACE THE CURB SECTION. FOR CONDUIT THAT OUTLETS TO A STORM SEWER OR DRAINAGE STRUCTURE LEAVE 6 INCHES PROTRUDING OUTSIDE OF THE CONDUIT. PLUG THE PROTRUDING CONDUIT WITH EITHER A MANUFACTURED CAP OR CLASS QC 1 CONCRETE. FOR CONDUIT THAT OUTLETS TO THE DITCH REMOVE THE EROSION CONTROL PAD. RESTORE ALL AREAS AS REQUIRED. PLUG THE EXISTING CONDUIT REGARDLESS OF SIZE AT THE RIGHT OF WAY LINE WITH CLASS QC 1 CONCRETE AND RESTORE ALL AREAS AS REQUIRED. ALL COSTS ARE INCLUDED IN ITEM 202, REMOVAL MISC.: CONDUIT.

DAM THE SWALE THAT OUTLETS TO THE DITCH AT THE R/W AS DIRECTED BY THE ENGINEER. ALL COSTS ARE INCLUDED IN ITEM 203, EMBANKMENT AS PER PLAN

REMOVE THE INSPECTION WELL AND RESTORE ALL AREAS AS REQUIRED. THE COST IS INCLUDED IN ITEM 202, REMOVAL MISC.: INSPECTION WELL.

CONDUIT MATERIAL TYPES:

THE FOLLOWING CONDUIT MATERIAL TYPES ARE PERMITTED: 707.33, 707.41 NON-PERFORATED, 707.42, 707.43, 707.45, 707.46, 707.47, AND 707.51.

PAY ITEMS:

EACH OF THE PAY ITEMS LISTED BELOW FOR CONDUIT MISCELLANEOUS TYPES B, C, E AND F FOR DRAINAGE DISCHARGE CONTINUANCE INCLUDE CONDUIT SIZES 2 INCH TO 10 INCH. THERE IS NO COST DIFFERENTIATION FOR SIZE IN THESE PAY ITEMS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER IN MAKING THE ABOVE DRAINAGE DISCHARGE CONTINUANCE:

ITEM 611, INSPECTION WELL	1 EACH
ITEM 611, CONDUIT, MISC.: TYPE B FOR DRAINAGE DISCHARGE CONTINUANCE	50 FT
ITEM 611, CONDUIT, MISC.: TYPE C FOR DRAINAGE DISCHARGE CONTINUANCE	50 FT
ITEM 611, CONDUIT, MISC.: TYPE E FOR DRAINAGE DISCHARGE CONTINUANCE	25 FT
ITEM 611, CONDUIT, MISC.: TYPE F FOR DRAINAGE DISCHARGE CONTINUANCE	25 FT
ITEM 202, REMOVAL MISC.: CONDUIT	25 FT
ITEM 202, REMOVAL MISC.: INSPECTION WELL	1 EACH
ITEM 203, EMBANKMENT, AS PER PLAN	10 CU. YD.

AIRWAY/HIGHWAY CLEARANCE FOR AIRPORTS AND HELIPORTS

THIS PROJECT HAS BEEN IDENTIFIED AS BEING WITHIN THE INFLUENCE AREA OF A PUBLIC USE AIRPORT OR HELIPORT. NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT AT MAXIMUM OPERATING HEIGHT SHALL EXCEED A HEIGHT OF 25 FT. IF ANY TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT WILL EXCEED THIS HEIGHT, FURTHER COORDINATION WITH THE FEDERAL AVIATION ADMINISTRATION (FAA), AND THE ODOT OFFICE OF AVIATION, WILL BE NECESSARY PRIOR TO ERECTING SUCH TEMPORARY STRUCTURES OR OPERATING SUCH EQUIPMENT ON THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO FILE A NEW FAA FORM 7460-1, ADVISING THE FAA THAT AERONAUTICAL STUDY NUMBER 2025-AGL-9667-OE IS BEING RESUBMITTED AND THAT AN ALTERATION TO THE ORIGINAL SUBMISSION IS REQUESTED.

NOTIFY THE ODOT OFFICE OF AVIATION WHEN RESUBMITTING FAA FORM 7460-1. NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT SHALL EXCEED THE PERMISSIBLE HEIGHT, UNTIL A COPY OF THE FAA APPROVAL AND THE ODOT OFFICE OF AVIATION PERMIT HAS BEEN FURNISHED TO THE PROJECT ENGINEER.

FAA APPROVAL MAY TAKE UP TO 45 DAYS. ALL SUBMISSIONS SHALL BE DIRECTED TO THESE OFFICES:

FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGIONAL OFFICE
OBSTRUCTION EVALUATION GROUP
10101 HILLWOOD PARKWAY
FORT WORTH, TX 76177
FAX: (817) 222-5920

OHIO DEPARTMENT OF TRANSPORTATION
OFFICE OF AVIATION
2829 WEST DUBLIN-GRANVILLE ROAD
COLUMBUS, OHIO 43235

ITEM 690, SPECIAL-FAA CONSTRUCTION EQUIPMENT MARKING

AS A CONDITION TO THE AERONAUTICAL STUDY THAT WAS PERFORMED FOR THIS PROJECT, THE FAA IS REQUIRING THE CONTRACTOR'S CONSTRUCTION EQUIPMENT TO BE MARKED IN ACCORDANCE WITH **FAA ADVISORY CIRCULAR 70/7460-1 M CHANGE 1, OBSTRUCTION MARKING AND LIGHTING DATED 10/29/2024, SECTIONS 3.6, 14.3 AND 15.** THE ADVISORY CIRCULAR CAN BE FOUND AT THE FOLLOWING WEBSITE: https://www.faa.gov/regulations_policies/advisory_circulars/index.cfm/go/document.current/documentNumber/70_7460-1.

PAYMENT FOR ABOVE WORK SHALL BE MADE AT THE UNIT BID PRICE FOR ITEM 690, SPECIAL-FAA CONSTRUCTION EQUIPMENT MARKING, LS, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO MARK EACH PIECE OF CONSTRUCTION EQUIPMENT AS REQUIRED BY THE FAA, THAT WILL BE UTILIZED WITHIN THE PROJECT LIMITS.

GENERAL NOTES

DESIGN AGENCY
AECOM

DESIGNER
HMP

REVIEWER
MAW 06/03/25

PROJECT ID
111621

SHEET P.11 TOTAL 127

FAI-158-4.20

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 9/2/2025 TIME: 5:20:32 PM USER: PatelV2
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ITEM 614 - MAINTAINING TRAFFIC

THE CONTRACTOR WILL COORDINATE THE DETOURS WITH ALL APPROPRIATE EMERGENCY SERVICES AND LOCAL OFFICIALS.

TWO WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES USING FLAGGERS EXCEPT WHEN THE DETOURS ARE IN EFFECT.

AT A MINIMUM THE PAVEMENT, PERMANENT PAVEMENT MARKINGS, CURBING, SIGNAGE, LIGHTING AND LANDSCAPING SHALL BE IN PLACE AND FUNCTIONAL PRIOR TO THE OPENING OF THE LANES TO TRAFFIC.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

ITEM 614 - MAINTAINING TRAFFIC (TIME LIMITATION ON A DETOUR)

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES ON S.R. 158/COONPATH RD WITH THE EXCEPTION OF THE CLOSURE PERIOD ALLOWED IN THE INCENTIVE/DISINCENTIVE TABLE BELOW, WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON P.15 AND P.16 .

INCENTIVE/DISINCENTIVE CONTRACT TABLE

USE THE FOLLOWING INFORMATION IN COMBINATION WITH PROPOSAL NOTE 121 AS LISTED IN THE PROPOSAL. THIS PROJECT SHALL DETOUR TRAFFIC ON S.R. 158/COONPATH ROAD, MINIMIZING IMPACTS TO THE LOCAL TRAFFIC AND SCHOOL BUSES.

THIS PROJECT SHALL DETOUR TRAFFIC ON S.R. 158/COONPATH ROAD ONLY BETWEEN MAY 29, 2026 AND THE DATE SHOWN BELOW IN THE TABLE. S.R. 158 AND COONPATH ROAD CANNOT BE OPENED TO TRAFFIC UNTIL THE FINAL PAVEMENT MARKINGS AND LIGHTING ARE INSTALLED.

DESCRIPTION OF CRITICAL WORK	COMPLETION DATE	TIME PERIOD	DISINCENTIVE $ PER TIME PERIOD	INCENTIVE $ PER TIME PERIOD	MAXIMUM INCENTIVE $
S.R. 158 AND COONPATH ROAD CLOSED TO TRAFFIC	11/01/2026	DAY	$5,000	$5,000	$75,000

ITEM 614 - MAINTAINING TRAFFIC (ROAD CLOSED SIGN)

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN STANDARD 48 X 30 INCH ROAD CLOSED SIGNS, SIGN SUPPORTS, BARRICADES AND LIGHTS, AS DETAILED IN SCD MT-101.60 AT THE LOCATIONS SHOWN IN THE DETOUR PLANS DURING PERIODS IN WHICH THE AFFECTED ROADS ARE CLOSED TO TRAFFIC.

ITEM 614 - MAINTAINING TRAFFIC (NOTICE OF CLOSURE)

NOTICE OF CLOSURE SIGNS (W20-H13) SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD OR RAMP CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW. AT THE APPROVAL OF THE ENGINEER, PORTABLE CHANGEABLE MESSAGE SIGNS MAY BE USED IN LIEU OF THE STANDARD FLATSHEET SIGN FOR CLOSURE DURATIONS OF LESS THAN 1 WEEK.

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD/RAMP FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. ON ROADWAYS, THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE. THE SIGNS MAY BE ERECTED ANYWHERE ON RAMPS AS LONG AS THEY ARE VISIBLE TO THE MOTORISTS USING THE RAMP. ON ENTRANCE RAMPS, THE SIGN SHALL BE ERECTED WELL IN ADVANCE OF THE MERGE AREA TO AVOID DISTRACTING MOTORISTS.

NOTIFICATION OF CLOSURE SIGN TIME TABLE

DURATION OF CLOSURE	SIGN DISPLAYEDTO PUBLIC
>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
> 12 HOURS & < 2 WEEKS	7 CALENDAR DAYS PRIOR TO CLOSURE
< 12 HOURS	2 BUSINESS DAYS PRIOR TO CLOSURE

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION. THIS IS TO BE A SPECIFIC OFFICE WITHIN THE DISTRICT RATHER THAN THE GENERAL SWITCHBOARD NUMBER.

MAINTENANCE OF LOCAL DETOUR ROUTE

A LOCAL DETOUR ROUTE, OTHER THAN THE OFFICIAL SIGNED ODOT DETOUR ROUTE, AS NOTED IN THESE PLANS, WILL BE SELECTED BY AGREEMENT BETWEEN ODOT AND LOCAL GOVERNMENTAL AGENCIES PRIOR TO THE HIGHWAY CLOSURE. DURING THE TIME THAT TRAFFIC IS DETOURED, THE CONTRACTOR SHALL MAINTAIN THIS ROUTE IN A CONDITION WHICH IS REASONABLY SMOOTH AND FREE FROM HOLES, RUTS, RIDGES, BUMPS, DUST, AND STANDING WATER. ONCE THE DETOUR IS REMOVED AND TRAFFIC RETURNED TO ITS NORMAL PATTERN, THE DESIGNATED LOCAL DETOUR ROUTE SHALL BE RESTORED TO A CONDITION THAT IS EQUIVALENT TO THAT WHICH EXISTED PRIOR TO ITS USE FOR THIS PURPOSE. ALL SUCH WORK SHALL BE PERFORMED WHEN AND AS DIRECTED BY THE ENGINEER. THE DESIGNATED LOCAL DETOUR ROUTE IS TO BE REVIEWED AND REPAIRED PRIOR TO THE ASPHALT CONTRACTOR OR SUBCONTRACTOR LEAVING THE PROJECT.

PAYMENT FOR THE WORK NECESSARY TO REPAIR THESE LOCAL ROADS WILL BE PERFORMED BY CHANGE ORDER.

ITEM 614, DETOUR SIGNING, AS PER PLAN

THE CONTRACTOR SHALL SUPPLY, ERECT, MAINTAIN, AND REMOVE THE DETOUR SIGNING AS SHOWN ON P.15 AND P.16 . IN ADDITION TO THE DETOUR SIGNING PROVIDED IN THE PLAN, THE CONTRACTOR SHALL PROVIDE, ERECT, AND MAINTAIN TWO (2) STANDARD 48 X 30 INCH ROAD CLOSED SIGNS AND TWO (2) STANDARD 60 X 30 ROAD CLOSED - LOCAL TRAFFIC ONLY SIGNS, SIGN SUPPORTS, BARRICADES, AND LIGHTS, AS DETAILED IN TRAFFIC SCD MT-101.60 TO BE PLACED AT THE DIRECTION OF THE ENGINEER.

PAYMENT FOR ALL MATERIAL, LABOR, AND EQUIPMENT TO PERFORM THIS WORK SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 604 DETOUR SIGNING, AS PER PLAN.

CONSTRUCTION ADJACENT TO DRIVES

ACCESS TO RESIDENTIAL PROPERTY SHALL BE MAINTAINED AT ALL TIMES AT THE APPROVAL/DIRECTION OF THE ENGINEER. THE CONTRACTOR SHALL SCHEDULE THE DRIVEWAY CONSTRUCTION SUCH THAT ACCESS IS MAINTAINED BY MEANS OF THE EXISTING DRIVE, A TEMPORARY DRIVE OF MATERIAL APPROVED BY THE PROJECT ENGINEER, OR THE PROPOSED DRIVE.

FOR PROPERTIES WITH TWO DRIVEWAYS WHERE INGRESS AND EGRESS IS AVAILABLE FOR BOTH OF THE DRIVEWAYS, THE CONTRACTOR SHALL PROVIDE ACCESS AT ALL TIMES TO ONE OF THE DRIVEWAYS WHILE THE OTHER DRIVEWAY IS RECONSTRUCTED. FOR PROPERTIES WITH ONE DRIVEWAY, THE CONTRACTOR SHALL PROVIDE ACCESS AT ALL TIMES BY USING PART-WIDTH CONSTRUCTION. FOR PROPERTIES WITH TWO DRIVEWAYS WHERE ONE OF THE DRIVES IS USED EXCLUSIVELY AS AN EXIT, THE CONTRACTOR SHALL PROVIDE ACCESS AT ALL TIMES FOR BOTH OF THE DRIVEWAYS BY USING PART-WIDTH CONSTRUCTION.

THE CONTRACTOR MAY REQUEST SHORT-TERM CLOSURE, NOT TO EXCEED ONE (1) CONSTRUCTION DAY AT A TIME, OF NARROW DRIVEWAYS AND DRIVEWAYS ADJACENT TO AREAS OF SIGNIFICANT GRADE CHANGES WHERE ACCESS WOULD BE DIFFICULT OR UNREALISTIC TO MAINTAIN. APPROVAL SHALL ONLY BE GRANTED BY THE ENGINEER FOLLOWING SEVEN (7) DAYS NOTICE TO THE PROPERTY OWNER PRIOR TO THE REQUESTED CLOSURE DATE.

THE CONTRACTOR SHALL PLAN/STAGE ALL WORK TO MAINTAIN SAFE ACCESS TO RESIDENTIAL PROPERTY AT ALL TIMES. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A PLAN FOR THE APPROVAL OF THE ENGINEER WHICH OUTLINES THE STRATEGY FOR THE MAINTENANCE OF SAFE ACCESS TO RESIDENTIAL PROPERTY. THE PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED TO MAINTAIN RESIDENTIAL ACCESS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614 - MAINTAINING TRAFFIC (BASE BID).

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED A MINIMUM OF TWENTY-ONE (21) DAYS PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS. INFORMATION SHOULD INCLUDE BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVEABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES TO INFORM THE FOLLOWING:

DISTRICT PUBLIC INFORMATION OFFICER (PIO) BY FAX AT (614) 887-4510 OR EMAIL D05.PIO@DOT.OHIO.GOV

DISTRICT PERMIT SECTION BY FAX (614) 887-4525 OR EMAIL AT BRIAN.BOSCH@DOT.OHIO.GOV

CENTRAL OFFICE SPECIAL HAIL PERMITS SECTION BY FAX AT (614) 728-4099 OR EMAIL AT HAULING.PERMITS@DOT.OHIO.GOV

THE PIO WILL, IN TURN, NOTIFY THE PUBLIC, THE LOCAL EMERGENCY SERVICES, AFFECTED SCHOOLS AND BUSINESSES, AND ANY OTHER IMPACTED LOCAL PUBLIC AGENCY OF ANY OF THE ABOVE MENTIONED ITEMS, VIA MEDIA SOURCES.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTIFICATION OF TRAFFIC RESTRICTIONS TIME TABLE

ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & PIO
RAMP & ROAD CLOSURES	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 12 HOURS	4 CALENDAR DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

MAINTENANCE OF TRAFFIC GENERAL NOTES

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

PROJECT ID
111621

SHEET P.12 TOTAL 127

FAI-158-4.20

MODEL: MOT Notes Sheet 01 PAPERSIZE: 34x22 (in.) DATE: 7/15/2025 TIME: 10:55:00 AM USER: PatelV2
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DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616, WATER 1 M. GAL.

ITEM 614 - LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW WILL NOT BE PERMITTED AT PROJECT COST. LEOS SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS:

DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.

DURING A TEMPORARY OR PERMANENT LIGHTING INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE INTERSECTIONS OR THE FLOW OF TRAFFIC.

IN ADDITION TO THE REQUIREMENT OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHOULD BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS AS APPROVED BY THE ENGINEER:

FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP).

IN GENERAL, LEOS SHOULD BE POSITIONED IN ADVANCE OF AND ON THE SAME SIDE AS THE LANE RESTRICTION (OR AT THE POINT OF ROAD CLOSURE), AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH SIGNALIZED INTERSECTIONS IN WORK ZONES.

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

ITEM 614 - LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS (CONT'D)

THE LEOS WORK AT THE DIRECTION OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS. THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS' DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

ENSURE PROVIDED LEOS HAVE BEEN TRAINED APPROPRIATE TO THE JOB DECISIONS THEY ARE REQUIRED TO MAKE WHILE ON THE PROJECT, IN ACCORDANCE WITH C&MS 614.03.

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE THAT SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

LEOS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE 40 HOURS

THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED. ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF A LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

ITEM 614 - PORTABLE CHANGEABLE MESSAGE SIGNS, AS PER PLAN

THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE, WHEN NO LONGER NEEDED, A CHANGEABLE MESSAGE SIGN. THE SIGN SHALL BE OF A TYPE SHOWN ON A LIST OF APPROVED PCMS UNITS AVAILABLE ON THE OFFICE OF MATERIALS MANAGEMENT WEB PAGE. THE LIST CONTAINS CLASS A AND B UNITS WITH MINIMUM LEGIBILITY DISTANCES OF 800 FEET AND 650 FEET, RESPECTIVELY.

EACH SIGN SHALL BE TRAILER-MOUNTED AND EQUIPPED WITH A FUNCTIONAL DIMMING MECHANISM, TO DIM THE SIGN DURING DARKNESS, AND A TAMPER AND VANDAL PROOF ENCLOSURE. EACH SIGN SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ON-SITE PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT. THE SIGN SHALL ALSO BE CAPABLE OF BEING POWERED BY AN ELECTRICAL SERVICE DROP FROM A LOCAL UTILITY COMPANY. THE PCMS SHALL BE DELINEATED IN ACCORDANCE WITH C&MS 614.03.

THE PROBABLE PCMS LOCATIONS AND WORK LIMITS FOR THOSE LOCATIONS ARE SHOWN ON P.15 ,P.16 , AND P.18 OF THE PLAN. PLACEMENT, OPERATION, MAINTENANCE AND ALL ACTIVATION OF THE SIGNS BY THE CONTRACTOR SHALL BE AS DIRECTED BY THE ENGINEER. THE PCMS SHALL BE LOCATED IN A HIGHLY VISIBLE POSITION YET PROTECTED FROM TRAFFIC. THE CONTRACTOR SHALL, AT THE DIRECTION OF THE ENGINEER, RELOCATE THE PCMS TO IMPROVE VISIBILITY OR ACCOMMODATE CHANGED CONDITIONS. WHEN NOT IN USE, THE PCMS SHALL BE TURNED OFF. ADDITIONALLY, WHEN NOT IN USE FOR EXTENDED PERIODS OF TIME, THE PCMS SHALL BE TURNED AWAY FROM ALL TRAFFIC.

ITEM 614 - PORTABLE CHANGEABLE MESSAGE SIGNS, AS PER PLAN (CONT'D)

THE ENGINEER SHALL BE PROVIDED ACCESS TO EACH SIGN UNIT AND SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ODOT PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT, AND TO REVISE SIGN MESSAGES, IF NECESSARY.

ALL MESSAGES TO BE DISPLAYED ON THE SIGN WILL BE PROVIDED BY THE ENGINEER. A LIST OF ALL REQUIRED PRE-PROGRAMMED MESSAGES WILL BE GIVEN TO THE CONTRACTOR AT THE PROJECT PRECONSTRUCTION CONFERENCE. THE SIGN SHALL HAVE THE CAPABILITY TO STORE UP TO 99 MESSAGES. MESSAGE MEMORY OR PRE-PROGRAMMED DISPLAYS SHALL NOT BE LOST AS A RESULT OF POWER FAILURES TO THE ON-BOARD COMPUTER, THE SIGN LEGEND SHALL BE CAPABLE OF BEING CHANGED IN THE FIELD. THREE-LINE PRESENTATION FORMATS WITH UP TO SIX MESSAGE PHASES SHALL BE SUPPORTED. PCMS FORMAT SHALL PERMIT THE COMPLETE MESSAGE FOR EACH PHASE TO BE READ AT LEAST TWICE.

THE PCMS SHALL CONTAIN ACCURATE CLOCK AND PROGRAMMING LOGIC WHICH WILL ALLOW THE SIGN TO BE ACTIVATED, DEACTIVATED OR MESSAGES CHANGED AUTOMATICALLY AT DIFFERENT TIMES OF THE DAY FOR DIFFERENT DAYS OF THE WEEK.

THE PCMS UNIT SHALL BE MAINTAINED IN GOOD WORKING ORDER BY THE CONTRACTOR IN ACCORDANCE WITH THE PROVISIONS OF C&MS 614.07. THE CONTRACTOR SHALL, PRIOR TO ACTIVATING THE UNIT, MAKE ARRANGEMENTS, WITH AN AUTHORIZED SERVICE AGENT FOR THE PCMS, TO ASSURE PROMPT SERVICE IN THE EVENT OF FAILURE. ANY FAILURE SHALL NOT RESULT IN THE SIGN BEING OUT OF SERVICE FOR MORE THAN 12 HOURS, INCLUDING WEEKENDS. FAILURE TO COMPLY MAY RESULT IN AN ORDER TO STOP WORK AND OPEN ALL TRAFFIC LANES AND/OR IN THE DEPARTMENT TAKING APPROPRIATE ACTION TO SAFELY CONTROL TRAFFIC. THE ENTIRE COST TO CONTROL TRAFFIC, ACCRUED BY THE DEPARTMENT DUE TO THE CONTRACTOR'S NONCOMPLIANCE, WILL BE DEDUCTED FROM MONEYS DUE, OR TO BECOME DUE THE CONTRACTOR ON HIS CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR 24-HOUR-PER-DAY OPERATION AND MAINTENANCE OF THESE SIGNS ON THE PROJECT FOR THE DURATION OF THE PHASES WHEN THE PLAN REQUIRES THEIR USE.

PAYMENT FOR THE ABOVE DESCRIBED ITEM SHALL BE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, FUELS, LUBRICATING OILS, SOFTWARE, HARDWARE AND INCIDENTALS TO PERFORM THE ABOVE DESCRIBED WORK.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN
45 SIGN MONTH (ASSUMING 5 PCMS SIGNS FOR 9 MONTHS)

DESIGNATED UNSIGNED LOCAL DETOUR ROUTES

IN ADDITION TO THE OFFICIAL, LOCAL SIGNED DETOUR ROUTE, ADDITIONAL LOCAL ROUTES HAVE BEEN DETERMINED TO BE THE SECONDARY, UNSIGNED LOCAL DETOUR ROUTES. THESE ROUTES ARE SHOWN ON P.16 . PRIOR TO CLOSING S.R. 158 AND COONPATH ROAD, THE CONTRACTOR SHALL PLACE A LEVELING COURSE, ITEM 441, ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22 ON THE UNSIGNED LOCAL DETOUR ROUTES. THE LEVELING COURSE IS INTENDED TO BRING THE ROUTES UP TO A CONDITION WHICH IS REASONABLY SMOOTH AND FREE FROM HOLES, RUTS, RIDGES, BUMPS, AND STANDING WATER. THE CONTRACTOR SHALL CONTACT ERIC MCCRADY (FAIRFIELD COUNTY DEPUTY ENGINEER) AT (740) 652-2300 TO SET UP A FIELD REVIEW OF THESE ROUTES TO DETERMINE THE LOCATIONS WHERE THE LEVELING COURSE IS NEEDED.

THE FOLLOWING ESTIMATED QUANTITES ARE PROVIDED FOR USE AS DETERMINED BY THE ENGINEER TO PERFORM THE WORK DESCRIBED ABOVE.

ITEM 441, ASPHALT CONCRETE SURACE COURSE, TYPE 1, (449), PG64-22 250 CU. YD.

ITEM 407, NON-TRACKING TACK COAT 580 GAL.

ITEM 422 - AGGREGATE, SINGLE CHIP SEAL, TYPE A, AS PER PLAN

ALL THE REQUIREMENTS PER THE ODOT CMS SHALL BE MET EXCEPT AS NOTED. THE EMULSIFIED BINDER SHALL BE MWS-90 AND THE AGGREGATE SHALL BE #8 CRUSHED LIMESTONE. ADDITIONALLY, A MINIMUM OF TWO (2) ROLLERS SHALL BE USED PER 422.09. QUALITY CONTROL REQUIREMENTS AS OUTLINED IN 402.10 SHALL NOT BE REQUIRED. PROVIDE THE ENGINEER WITH DELIVERY TICKETS FOR ALL MATERIAL.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 422, AGGREGATE, SINGLE CHIP SEAL, TYPE A, AS PER PLAN 67,600 SQ. YD.

MAINTENANCE OF TRAFFIC GENERAL NOTES

DESIGN AGENCY
AECOM

DESIGNER VHP
REVIEWER NSP 06/03/25
PROJECT ID 111621
SHEET P.13 TOTAL 127

FAI-158-4.20

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MAINTENANCE OF DETOUR ROUTE

THE OFFICIAL, LOCAL SIGNED DETOUR ROUTE HAS BEEN ESTABLISHED. THIS ROUTE IS SHOWN ON P.15 AND P.16 . DURING THE TIME THAT TRAFFIC IS DETOURED, THE CONTRACTOR SHALL MAINTAIN THIS ROUTE IN A CONDITION WHICH IS REASONABLY SMOOTH AND FREE FROM HOLES, RUTS, RIDGES, BUMPS, DUST AND STANDING WATER. ONCE THE DETOUR IS REMOVED AND TRAFFIC RETURNED TO ITS NORMAL PATTERN, THE DESIGNATED DETOUR ROUTE SHALL BE RESTORED TO A CONDITION THAT IS EQUIVALENT TO THAT WHICH EXISTED PRIOR TO ITS USE FOR THIS PURPOSE. ALL SUCH WORK SHALL BE PERFORMED WHEN AND AS DETERMINED BY THE ENGINEER.

THE FOLLOWING ESTIMATED QUANTITIES ARE PROVIDED FOR USE AS DETERMINED BY THE ENGINEER TO MAINTAIN AND SUBSEQUENTLY RESTORE THE DETOUR ROUTES.

ITEM 251, PARTIAL DEPTH PAVEMENT REPAIR (441), AS PER PLAN	*200 SQ. YD.*
ITEM 253, PAVEMENT REPAIR, AS PER PLAN	*200 SQ. YD.*
ITEM 441, ASPHALT CONCRETE SURFACE COURSE TYPE 1, (449) PG 64-22, AS PER PLAN	*50 CU. YD.*
ITEM 617, COMPACTED AGGREGATE	*40 CU. YD.*
ITEM 642, EDGE LINE, 4", TYPE 1	*1.00 MILE*
ITEM 642, CENTER LINE, TYPE 1	*0.50 MILE*

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (441), AS PER PLAN

THE CONTRACTOR SHALL CLEAN THE MILLED SURFACE AND THE ENGINEER SHALL IDENTIFY AREAS REQUIRING PARTIAL DEPTH PAVEMENT REPAIR AFTER THE WEARING COURSE IS REMOVED. ALL APPLICABLE PROVISIONS OF ITEM 251, AS SET FORTH IN THE CONSTRUCTION AND MATERIALS SPECIFICATIONS, SHALL APPLY EXCEPT AS MODIFIED HEREIN.

REMOVAL DEPTH SHALL BE THREE (3) INCHES OR AS DIRECTED BY THE ENGINEER AND THE REPLACEMENT MATERIAL SHALL BE ITEM 441 - ASPHALT CONRETE INTERMEDIATE COURSE, TYPE 2, (449).

PARTIALLY EMBEDDED STEEL MESH EXPOSED SHALL BE WIRE-BRUSHED OR OTHERWISE CLEANED TO REMOVE ALL LOOSE RUST. LOOSENED OR TOTALLY EXPOSED WIRE MESH REINFORCING SHALL BE CUT AND REMOVED AS REQUIRED WITHOUT DISPLACEMENT OR DISRUPTION TO THE REINFORCEMENT AND/OR PAVEMENT TO REMAIN.

ITEM 253 - PAVEMENT REPAIR, AS PER PLAN

THIS ITEM SHALL BE USED AT THE DIRECTION OF THE ENGINEER TO PERFORM FULL DEPTH REPAIRS ALONG PORTIONS OF THE PROPOSED DETOUR ROUTE.

PAVEMENT REPAIRS SHALL BE PERFORMED IN ACCORDANCE WITH ITEM 253. THE ENGINEER SHALL DESIGNATE THE LOCATIONS AND LIMITS OF THE AREAS TO BE REPAIRED. THE AREAS SHALL BE SAWED OR MILLED TO A DEPTH OF 13". THE REPLACEMENT MATERIAL SHALL BE 3" OF ITEM 441, ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (449), PG-22 (PLACED IN TWO LIFTS), 4" OF ITEM 301, ASPHALT CONCRETE CASE (449), AND 6" OF ITEM 304, AGGREGATE BASE. THE FINISHED SURFACE SHALL MATCH THE EXISTING PAVEMENT SURFACE.

ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), AS PER PLAN, PG64-22

THIS ITEM SHALL BE USED AT THE DIRECTION OF THE ENGINEER TO PERFORM AN OVERLAY ALONG PORTIONS OF THE PROPOSED DETOUR ROUTE.

OVERLAYS SHALL PERFORMED IN ACCORDANCE WITH ITEM 441. THE ENGINEER SHALL DESIGNATE THE LOCATIONS AND LIMITS OF THE AREAS TO BE OVERLAID. THE AREAS SHALL BE COATED WITH A NON-TRACKING TACK COAT PER ITEM 407 PRIOR TO PLACEMENT OF THE OVERLAY. THE OVERLAY MATERIAL SHALL BE ITEM 441, ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22. THE THICKNESS SHALL BE AS SPECIFIED BY THE ENGINEER.

MAINTENANCE OF TRAFFIC GENERAL NOTES

DESIGN AGENCY
AECOM

DESIGNER
VHP

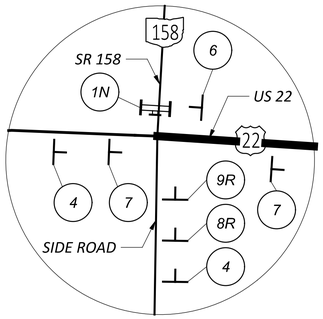
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NSP 06/03/25

PROJECT ID
111621

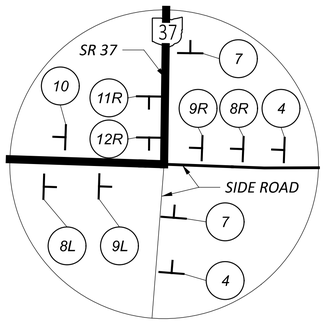
SHEET P.14 | TOTAL 127

FAI-158-4.20

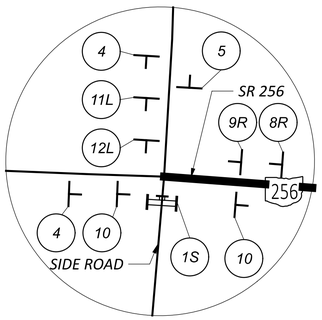
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DETAIL "A"



DETAIL "B"



DETAIL "C"

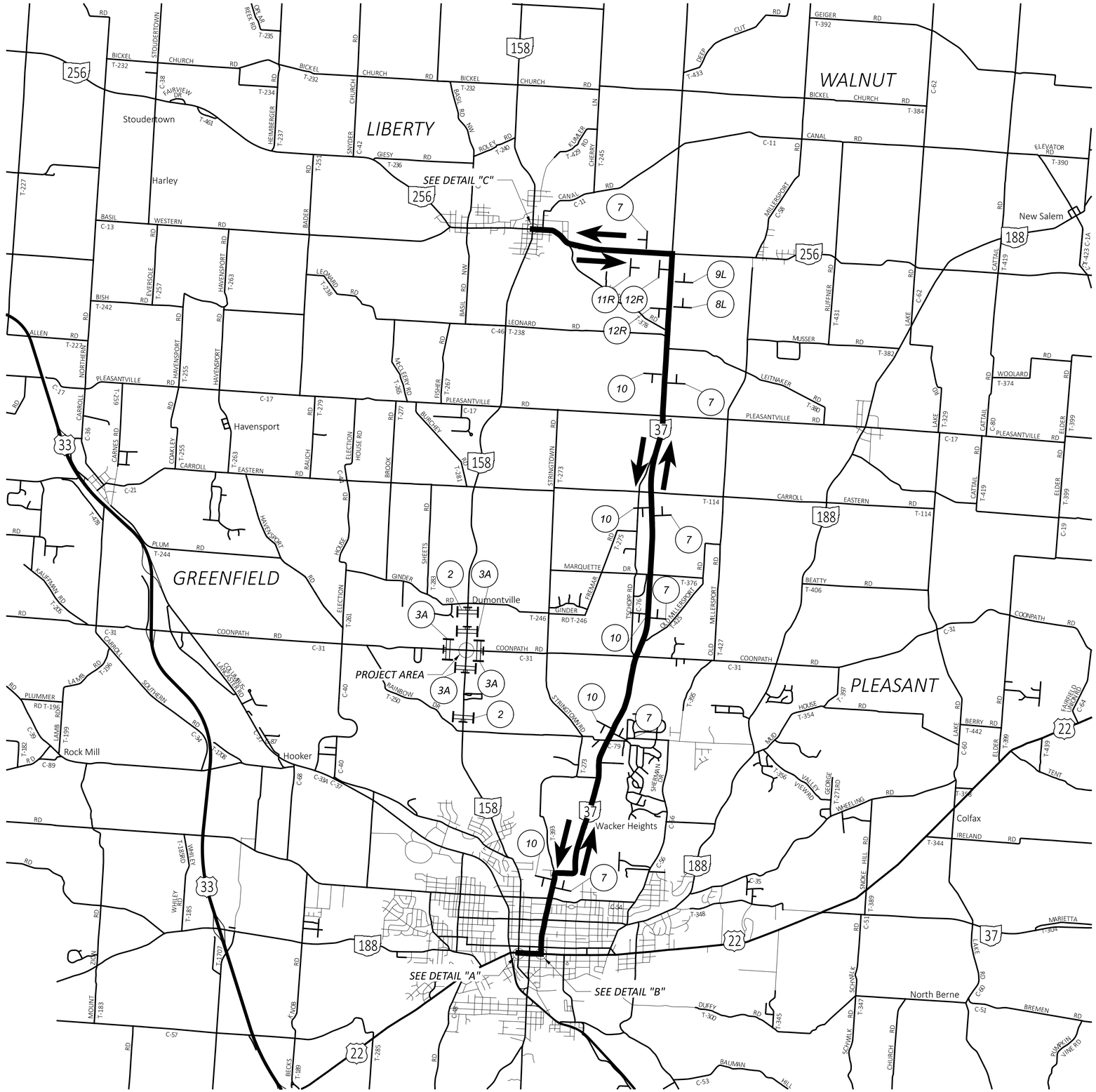
NOTES

FOR DETAIL SIGN LEGEND, SEE SHEET P.17 .

CLOSE SR 158 AND COONPATH RD IN ACCORDANCE WITH SCD MT-101.60.

LEGEND

- *DIRECTION OF TRAFFIC*
- *TYPE III BARRICADE WITH MOUNTED SIGNS*
- *SIGN POST*

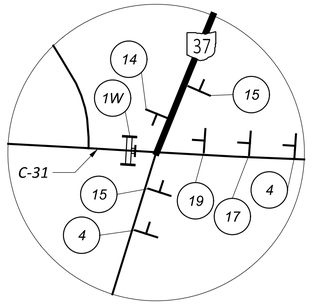


MAINTENANCE OF TRAFFIC
S.R. 158 - DETOUR ROUTES

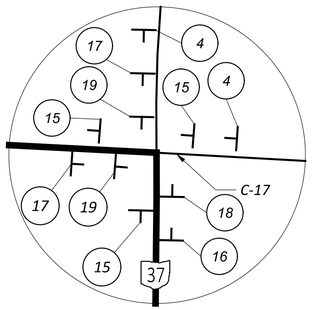
DESIGN AGENCY	AECOM
DESIGNER	VHP
REVIEWER	NSP 06/03/25
PROJECT ID	111621
SHEET	P.15
TOTAL	127

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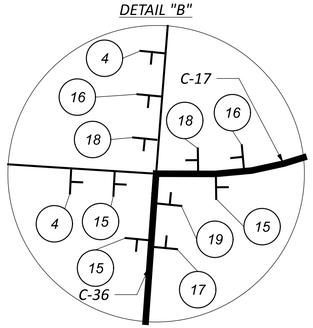
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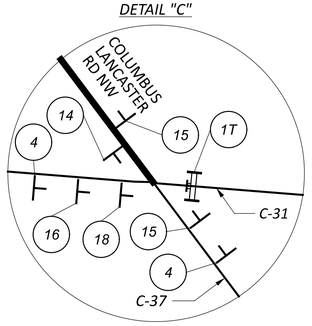
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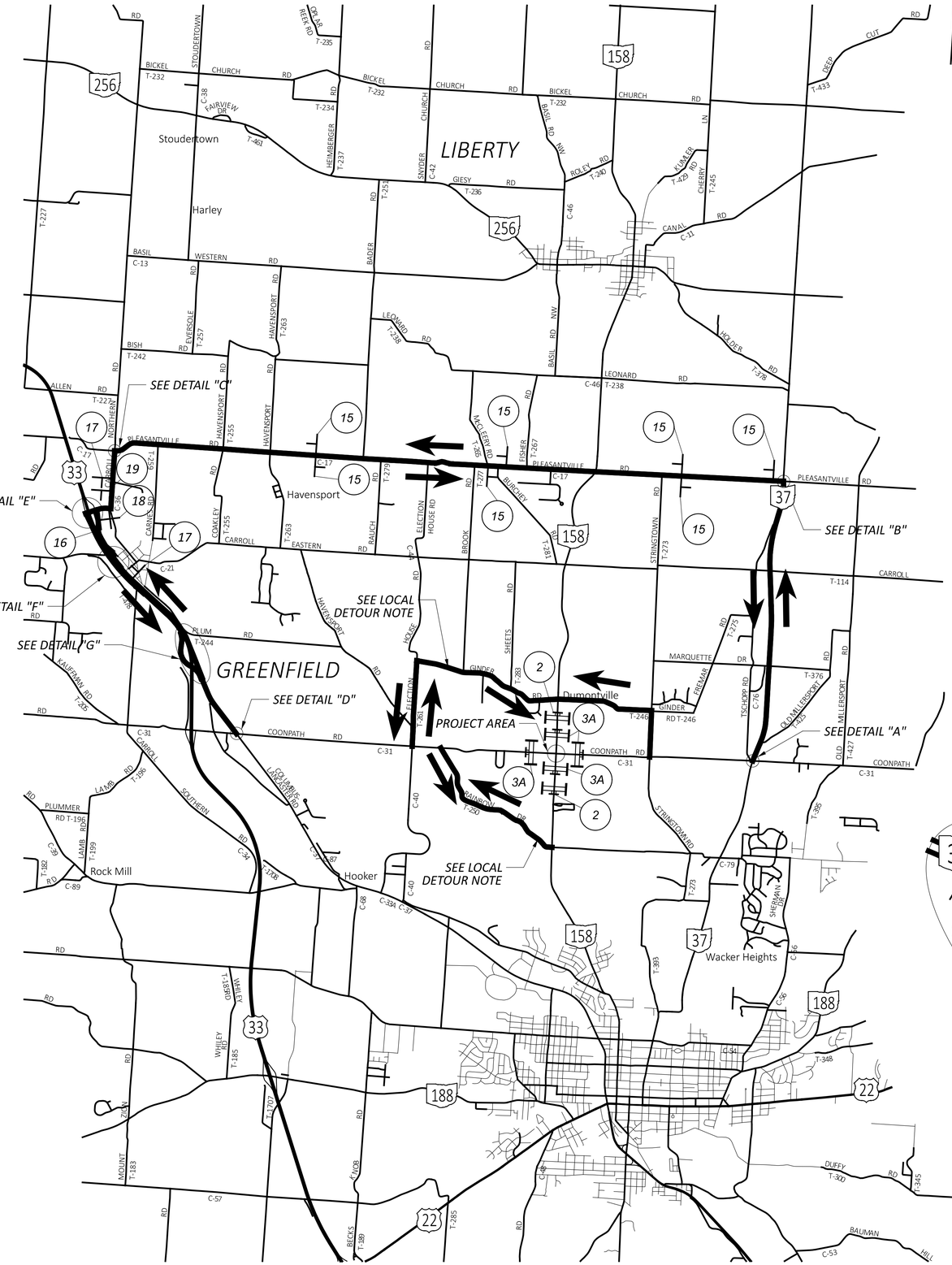
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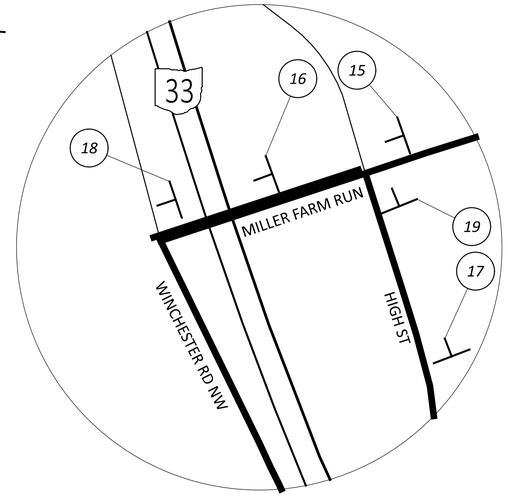


DETAIL "C"

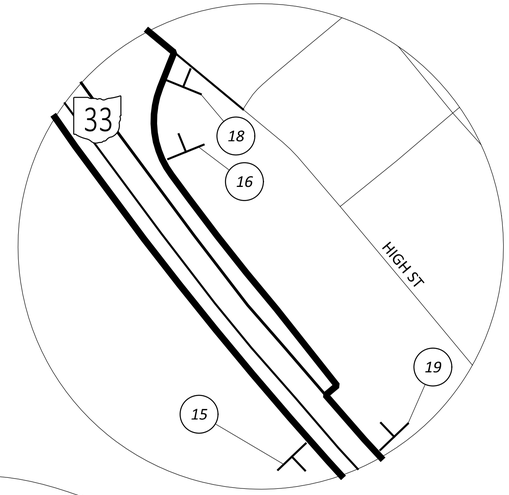


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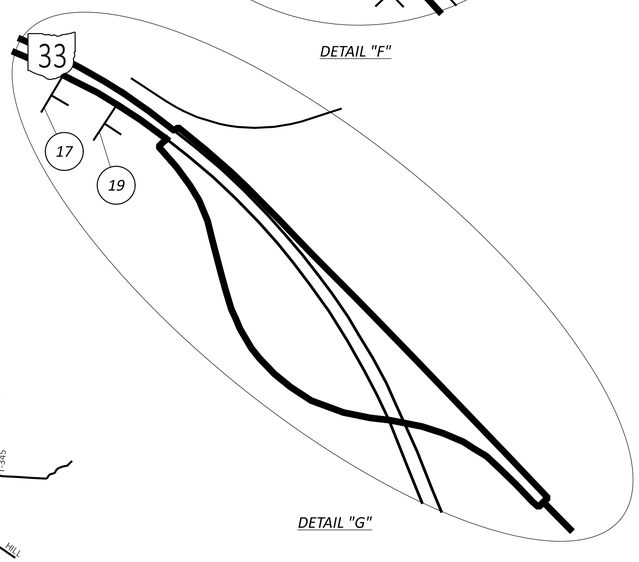




DETAIL "E"



DETAIL "F"



DETAIL "G"

NOTES

FOR DETAIL SIGN LEGEND, SEE SHEET P.17 .

CLOSE SR 158 AND COONPATH RD IN ACCORDANCE WITH SCD MT-101.60.

LOCAL DETOUR PATH SHALL BE AN UNSIGNED DETOUR ROUTE THAT ODOT SHALL MAINTAIN AND REPAIR AFTER PROJECT IS COMPLETED.

LEGEND

DIRECTION OF TRAFFIC

TYPE III BARRICADE WITH MOUNTED SIGNS

SIGN POST

MAINTENANCE OF TRAFFIC
COONPATH ROAD - DETOUR ROUTES

DESIGN AGENCY	AECOM
DESIGNER	KB
REVIEWER	NSP 06/03/25
PROJECT ID	111621
SHEET	P.16
TOTAL	127

FAI-158-4.20

MODEL: Untitled Sheet PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:44:31 AM USER: PatelV2
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MD004.dgn

1W

ROAD CLOSED
2 MILES AHEAD
LOCAL TRAFFIC ONLY

DETOUR

MOUNTED ON TYPE 3 BARRICADE TYPE B WARNING LIGHTS R11-3A M4-10R

1N

ROAD CLOSED
4 MILES AHEAD
LOCAL TRAFFIC ONLY

DETOUR

MOUNTED ON TYPE 3 BARRICADE TYPE B WARNING LIGHTS R11-3A M4-10R

1S

ROAD CLOSED
5 ½ MILES AHEAD
LOCAL TRAFFIC ONLY

DETOUR

MOUNTED ON TYPE 3 BARRICADE TYPE B WARNING LIGHTS R11-3A M4-10L

1T

ROAD CLOSED
3 ½ MILES AHEAD
LOCAL TRAFFIC ONLY

DETOUR

MOUNTED ON TYPE 3 BARRICADE TYPE B WARNING LIGHTS R11-3A M4-10L

2

ROAD CLOSED
LOCAL TRAFFIC ONLY

MOUNTED ON TYPE 3 BARRICADE R11-3

3A

ROAD CLOSED

TYPE B WARNING LIGHT MOUNTED ON TYPE 3 BARRICADE R11-2

3B

ROAD CLOSED

DETOUR

MOUNTED ON TYPE 3 BARRICADE R11-2 M4-10R

4

DETOUR AHEAD

W20-2

5

END DETOUR
NORTH
158

M4-8A M3-1 M1-5

6

END DETOUR
SOUTH
158

M4-8A M3-3 M1-5

7

DETOUR
NORTH
158

M4-8 M3-1 M1-5 M6-3

8L

DETOUR
NORTH
158

M4-8 M3-1 M1-5 M5-1

8R

DETOUR
NORTH
158

M4-8 M3-1 M1-5 M5-1

9L

DETOUR
NORTH
158

M4-8 M3-1 M1-5 M6-1

9R

DETOUR
NORTH
158

M4-8 M3-1 M1-5 M6-1

10

DETOUR
SOUTH
158

M4-8 M3-3 M1-5 M6-3

11L

DETOUR
SOUTH
158

M4-8 M3-3 M1-5 M5-1

11R

DETOUR
SOUTH
158

M4-8 M3-3 M1-5 M5-1

12L

DETOUR
SOUTH
158

M4-8 M3-3 M1-5 M6-1

12R

DETOUR
SOUTH
158

M4-8 M3-3 M1-5 M6-1

13

ROAD WORK AHEAD

TYPE A WARNING LIGHT W20-1

14

END DETOUR
FAIRFIELD
31
COUNTY

M4-8A M1-H6a

15

DETOUR
FAIRFIELD
31
COUNTY

M4-8 M1-H6a M6-3

16

DETOUR
FAIRFIELD
31
COUNTY

M4-8 M1-H6a M5-1

17

DETOUR
FAIRFIELD
31
COUNTY

M4-8 M1-H6a M5-1

18

DETOUR
FAIRFIELD
31
COUNTY

M4-8 M1-H6a M6-1

19

DETOUR
FAIRFIELD
31
COUNTY

M4-8 M1-H6a M6-1

20

ROAD CLOSED AHEAD

500 FT

W20-3 W16-2P

21

ROAD CLOSED AHEAD

1000 FT

TYPE A WARNING LIGHT W20-3 W16-2P

MAINTENANCE OF TRAFFIC
DETOUR SIGNING

DESIGN AGENCY
AECOM

DESIGNER
KB

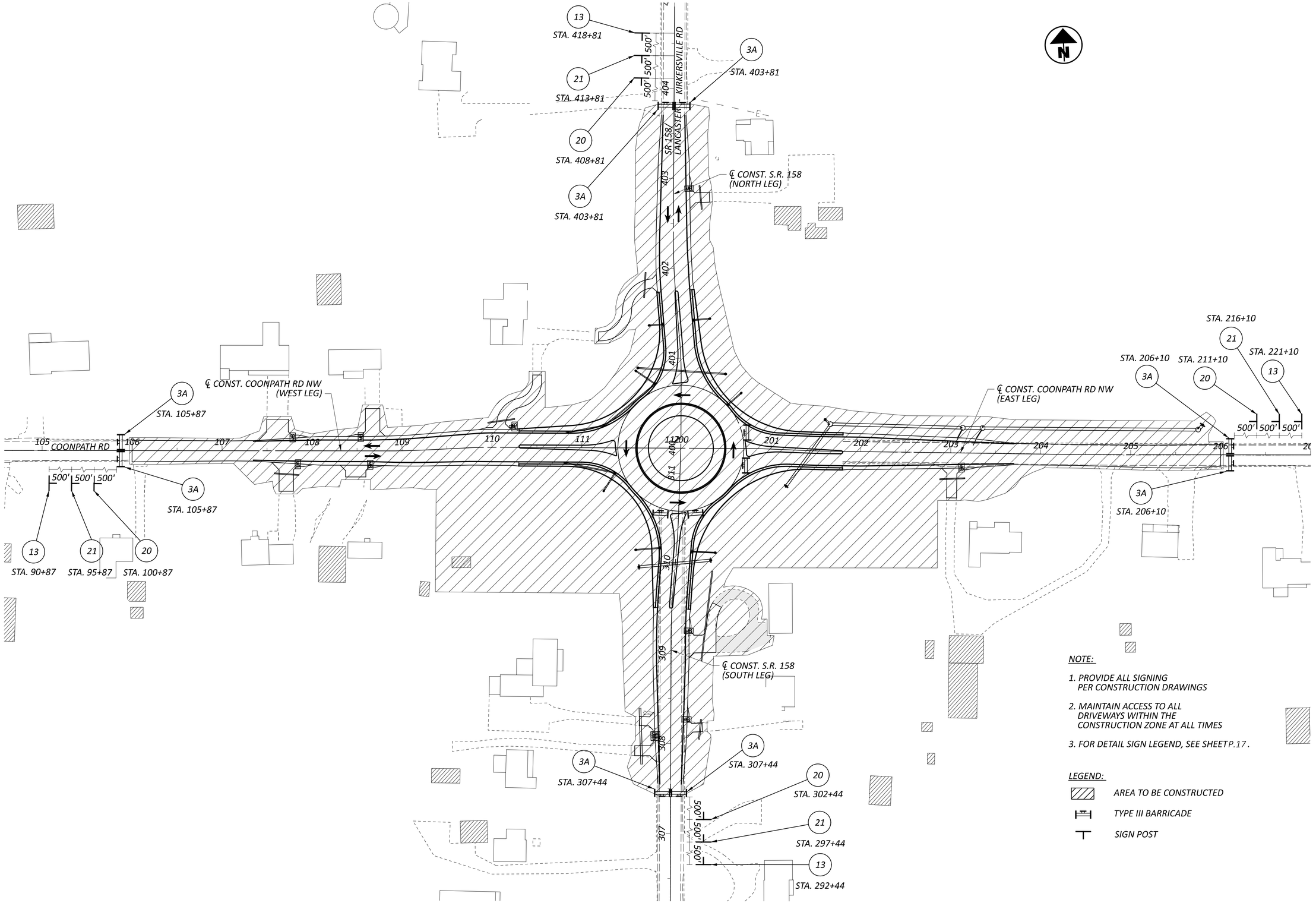
REVIEWER
NSP 06/03/25

PROJECT ID
111621

SHEET P.17 | TOTAL 127

FAI-158-4.20

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NOTE:

1. PROVIDE ALL SIGNING PER CONSTRUCTION DRAWINGS
2. MAINTAIN ACCESS TO ALL DRIVEWAYS WITHIN THE CONSTRUCTION ZONE AT ALL TIMES
3. FOR DETAIL SIGN LEGEND, SEE SHEET P.17 .

LEGEND:

- AREA TO BE CONSTRUCTED
- TYPE III BARRICADE
- SIGN POST

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PLAN

DESIGN AGENCY
AECOM

DESIGNER	VHP
REVIEWER	NSP 06/03/25
PROJECT ID	111621
SHEET	P.18
TOTAL	127

FAI-158-4.20

MODEL: CLP_West_Leg - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:45:17 AM USER: PatelV2
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SHEET NUM.													PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P.9	P.10	P.11	P.23	P.24	P.25	P.27	P.28	P.29					01/STR						
																		ROADWAY	
LS													LS	201	11000	LS		CLEARING AND GRUBBING	
			7										7	202	20010	7	EACH	HEADWALL REMOVED	
			5,081										5,081	202	23000	5,081	SY	PAVEMENT REMOVED	
			358										358	202	30000	358	SF	WALK REMOVED	
			14										14	202	30200	14	FT	STEPS REMOVED	
			434										434	202	35100	434	FT	PIPE REMOVED, 24" DIAMETER AND UNDER	
			636										636	202	35200	636	FT	PIPE REMOVED, OVER 24" DIAMETER	
			2										2	202	53100	2	EACH	MAILBOX REMOVED	
			1										1	202	58100	1	EACH	CATCH BASIN REMOVED	
			2										2	202	62700	2	EACH	SEPTIC TANK REMOVED	
			2										2	SPECIAL	20266000	2	EACH	DRILLED WATER WELL ABANDONED	P.10
			34										34	202	75000	34	FT	FENCE REMOVED	
			LS										LS	202	98000	LS		REMOVAL MISC.:LANDSCAPING ROCKS	
			1										1	202	98100	1	EACH	REMOVAL MISC.: WAGON AND STEEL WHEEL	
			1										1	202	98100	1	EACH	REMOVAL MISC.: PLOW	
			2										2	202	98100	2	EACH	REMOVAL MISC.: CLOTHESLINE POLE	
		1											1	202	98100	1	EACH	REMOVAL MISC.: INSPECTION WELL	
			44										44	202	98200	44	FT	REMOVAL MISC.: BRICK EDGING	
		25											25	202	98200	25	FT	REMOVAL MISC.: CONDUIT	
				5,768									5,768	203	10000	5,768	CY	EXCAVATION	
				1,731									1,731	203	20000	1,731	CY	EMBANKMENT	
		10											10	203	20001	10	CY	EMBANKMENT, AS PER PLAN	P.11
					724	7,533							8,257	204	10000	8,257	SY	SUBGRADE COMPACTION	
						4							4	204	45000	4	HOUR	PROOF ROLLING	
						228							228	206	10500	228	TON	CEMENT	
						7,533							7,533	206	11000	7,533	SY	CURING COAT	
						7,533							7,533	206	15020	7,533	SY	CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP	
9													9	623	38500	9	EACH	MONUMENT ASSEMBLY, TYPE C	
33													33	623	40520	33	EACH	RIGHT-OF-WAY MONUMENT, TYPE B	
													LS	623	50000	LS		PRECONSTRUCTION SURVEY MONUMENT VERIFICATION AND REPORT	
													LS	623	51000	LS		POST CONSTRUCTION SURVEY MONUMENT VERIFICATION AND REPORT	
				12									12	SPECIAL	69050100	12	EACH	MAILBOX SUPPORT SYSTEM, SINGLE	P.9
													LS	SPECIAL	69098400	LS		SPECIAL-FAA CONSTRUCTION EQUIPMENT MARKING	P.11
																		EROSION CONTROL	
	2												2	601	21050	2	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	
							29						29	601	32100	29	CY	ROCK CHANNEL PROTECTION, TYPE B WITH FILTER	
	1						8						9	601	32200	9	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	
	2												2	659	00100	2	EACH	SOIL ANALYSIS TEST	
	1,422							204					1,626	659	00301	1,626	CY	TOPSOIL, AS PER PLAN	P.10
5,800				7,211									13,011	659	00500	13,011	SY	SEEDING AND MULCHING, CLASS 1	
	660												660	659	14000	660	SY	REPAIR SEEDING AND MULCHING	
	660												660	659	15000	660	SY	INTER-SEEDING	
	1.82												1.82	659	20000	1.82	TON	COMMERCIAL FERTILIZER	
	2.69												2.69	659	31000	2.69	ACRE	LIME	
	72												72	659	35000	72	MGAL	WATER	
	29												29	659	40000	29	MSF	MOWING	
								954					954	670	00500	954	SY	SLOPE EROSION PROTECTION	
								510					510	670	00700	510	SY	DITCH EROSION PROTECTION	
								216					216	670	00720	216	SY	DITCH EROSION PROTECTION MAT, TYPE B	

GENERAL SUMMARY

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

PROJECT ID
111621

SHEET P.19 TOTAL 127

FAI-158-4.20

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 9/2/2025 TIME: 3:02:16 PM USER: PatelV2
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SHEET NUM.													PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE
P.9	P.10	P.11	P.13	P.14	P.24	P.25	P.27	P.28	P.29	P.30	P.31	P.111	01/STR		EXT	TOTAL			SHEET NO.
																		EROSION CONTROL CONTINUED	
											LS		LS	832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN	
											LS		LS	832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS	
											LS		LS	832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	
											50,000		50,000	832	30000	50,000	EACH	EROSION CONTROL	
									203				203	836	10000	203	SY	SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1	
																		DRAINAGE	
								5.9					5.9	602	20000	5.9	CY	CONCRETE MASONRY	
	20									739			759	605	13300	759	FT	6" UNCLASSIFIED PIPE UNDERDRAINS	
										2,202			2,202	605	14020	2,202	FT	6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	
	20												20	605	31100	20	FT	AGGREGATE DRAINS	
												140	140	611	00400	140	FT	4" CONDUIT, TYPE E	
	10									323			333	611	00510	333	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	
								24					24	611	02000	24	FT	8" CONDUIT, TYPE C	
	75												75	611	03100	75	FT	10" CONDUIT, TYPE B	
	75												75	611	03600	75	FT	10" CONDUIT, TYPE E	
	75												75	611	03700	75	FT	10" CONDUIT, TYPE F	
								325					325	611	04400	325	FT	12" CONDUIT, TYPE B	
								139					139	611	04900	139	FT	12" CONDUIT, TYPE D	
								99					99	611	05700	99	FT	15" CONDUIT, TYPE A, 706.01, 707.04 (0.079), 707.33	
								122					122	611	06400	122	FT	15" CONDUIT, TYPE D	
								8					8	611	07600	8	FT	18" CONDUIT, TYPE C	
								62					62	611	10900	62	FT	24" CONDUIT, TYPE D	
								81					81	611	13200	81	FT	30" CONDUIT, TYPE A, 706.02, 707.04 (0.109), 707.33	
								85					85	611	13400	85	FT	30" CONDUIT, TYPE B	
								417					417	611	16600	417	FT	36" CONDUIT, TYPE C	
		50											50	611	97400	50	FT	CONDUIT, MISC.:TYPE B FOR DRAINAGE DISCHARGE CONTINUANCE	P.11
		50											50	611	97400	50	FT	CONDUIT, MISC.:TYPE C FOR DRAINAGE DISCHARGE CONTINUANCE	P.11
		25											25	611	97400	25	FT	CONDUIT, MISC.:TYPE E FOR DRAINAGE DISCHARGE CONTINUANCE	P.11
		25											25	611	97400	25	FT	CONDUIT, MISC.:TYPE F FOR DRAINAGE DISCHARGE CONTINUANCE	P.11
								10					10	611	98370	10	EACH	CATCH BASIN, NO. 6	
								4					4	611	99574	4	EACH	MANHOLE, NO. 3	
	1												1	611	99710	1	EACH	PRECAST REINFORCED CONCRETE OUTLET	
		1											1	611	99720	1	EACH	INSPECTION WELL	
																		PAVEMENT	
				200									200	251	01011	200	CY	PARTIAL DEPTH PAVEMENT REPAIR (441), AS PER PLAN	P.14
							104						104	252	01500	104	FT	FULL DEPTH PAVEMENT SAWING	
				200									200	253	01001	200	SY	PAVEMENT REPAIR, AS PER PLAN	P.14
						231							231	254	01000	231	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 2"	
							968						968	254	01000	968	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 3"	
							2,906						2,906	301	56000	2,906	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
						78	3,698						3,776	304	20000	3,776	CY	AGGREGATE BASE	
			580				705						1,285	407	20000	1,285	GAL	NON-TRACKING TACK COAT	P.10
	50												50	408	10000	50	GAL	PRIME COAT	
			67,600										67,600	422	11001	67,600	SY	AGGREGATE, SINGLE CHIP SEAL, TYPE A, AS PER PLAN	P.13
			250										250	441	70000	250	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	
							700						700	441	70100	700	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG70-22M, 1.25"	
				50									50	441	70101	50	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), AS PER PLAN, PG64-22	P.14
							979						979	441	70300	979	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449), 1.75"	
						22							22	441	70500	22	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS)	
						340							340	452	10010	340	SY	6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	
							915						915	452	13010	915	SY	9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	

GENERAL SUMMARY

DESIGN AGENCY

AECOM

DESIGNER VHP

REVIEWER NSP 06/03/25

PROJECT ID 111621

SHEET P.20 TOTAL 127

FAI-158-4.20

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:46:14 AM USER: PatelV2
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SHEET NUM.													PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE
P.23	P.24	P.25	P.27	P.12	P.13	P.14	P.107	P.108	P.112	P.115			01/STR		EXT	TOTAL			SHEET NO.
																		PAVEMENT	
	1,159												1,159	609	26000	1,159	FT	CURB, TYPE 6	
	308												308	609	31001	308	FT	COMBINATION CURB AND GUTTER, TYPE 9, AS PER PLAN - 1	P.9
	1,103												1,103	609	31001	1,103	FT	COMBINATION CURB AND GUTTER, TYPE 9, AS PER PLAN - 2	P.9
			269										269	609	54000	269	SY	6" CONCRETE TRAFFIC ISLAND	
						40							40	617	10100	40	CY	COMPACTED AGGREGATE	
																		LIGHTING	
									16				16	625	00450	16	EACH	CONNECTION, FUSED PULL APART	
									24				24	625	00480	24	EACH	CONNECTION, UNFUSED PERMANENT	
									1				1	625	02500	1	EACH	TRANSFORMER BASE, TYPE AT-A	
									3				3	625	10490	3	EACH	LIGHT POLE, CONVENTIONAL, AT12B35	P.111
									5				5	625	10490	5	EACH	LIGHT POLE, CONVENTIONAL, AT15B35	P.111
									8				8	625	14000	8	EACH	LIGHT POLE FOUNDATION, 24" X 6' DEEP	
									738				738	625	23302	738	FT	NO. 6 AWG 2400 VOLT DISTRIBUTION CABLE	
									782				782	625	23400	782	FT	NO. 10 AWG POLE AND BRACKET CABLE	
									1,375				1,375	625	24324	1,375	FT	1-1/2" DUCT CABLE WITH THREE NO. 6 AWG 2400 VOLT CABLES	
									177				177	625	25500	177	FT	CONDUIT, 3", 725.04	
									8				8	625	26253	8	EACH	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN	P.111
									1,270				1,270	625	29000	1,270	FT	TRENCH	
									6				6	625	30700	6	EACH	PULL BOX, 725.08, 18"	
									1				1	625	30706	1	EACH	PULL BOX, 725.08, 24"	
									8				8	625	32000	8	EACH	GROUND ROD	
									1				1	625	34001	1	EACH	POWER SERVICE, AS PER PLAN	P.111
									1				1	625	34300	1	EACH	TRANSFORMER PAD, CONCRETE	
									1,270				1,270	625	36010	1,270	FT	UNDERGROUND WARNING/MARKING TAPE	
									1				1	625	76000	1	EACH	ARC FLASH CALCULATIONS AND LABEL (S.R. 158/COONPATH ROAD)	P.111
																		TRAFFIC CONTROL	
								121					121	621	00100	121	EACH	RPM	
								27					27	621	54000	27	EACH	RAISED PAVEMENT MARKER REMOVED	
							4						4	630	08600	4	EACH	SIGN POST REFLECTOR	
							275.0						275.0	630	03101	275.0	FT	GROUND MOUNTED SUPPORT, NO. 3 POST, AS PER PLAN	P.9
							195.2						195.2	630	80100	195.2	SF	SIGN, FLAT SHEET	
							27						27	630	84900	27	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
							15						15	630	86002	15	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
								0.9					0.9	644	00104	0.9	MILE	EDGE LINE, 6"	
								0.37					0.37	644	00300	0.37	MILE	CENTER LINE, DOUBLE YELLOW	
								257					257	644	00700	257	FT	TRANSVERSE/DIAGONAL LINE, YELLOW	
								137					137	644	01514	137	FT	DOTTED LINE, 8", WHITE	
								132					132	644	00400	132	FT	CHANNELIZING LINE, 8"	
								60					60	644	20800	60	FT	YIELD LINE	
																		LANDSCAPING	
										896			896	204	50000	896	SY	GEOTEXTILE FABRIC	
										448			448	657	10001	448	SY	RIPRAP FOR TREE PROTECTION, AS PER PLAN	P.10
										27			27	661	19000	27	EACH	DECIDUOUS SHRUB, 12" HEIGHT (RHUS AROMATICA, B&B 5" MIN.)	
										5			5	661	50040	5	EACH	EVERGREEN TREE, 2' HEIGHT (PINUS MUGO, B&B 8" MIN.)	
																		BUILDING DEMOLITION	
LS													LS	202	56000	LS		BUILDING DEMOLISHED, PARCEL 18, 2-STORY FRAMED HOUSE,PORCHES, DECK, DETACHED GARAGE	

GENERAL SUMMARY

DESIGN AGENCY

AECOM

DESIGNER VHP

REVIEWER NSP 06/03/25

PROJECT ID 111621

SHEET P.21 TOTAL 127

FAI-158-4.20

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SHEET NUM.												PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P.13	P.14												01/STR						
																		MAINTENANCE OF TRAFFIC	
40													40	614	11110	40	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
													LS	614	12421	LS		DETOUR SIGNING, AS PER PLAN	P.12
45													45	614	18601	45	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	P.13
1													1	616	10000	1	MGAL	WATER	
	1												1	642	00100	1	MILE	EDGE LINE, 4", TYPE 1	
	0.5												0.5	642	00300	0.5	MILE	CENTER LINE, TYPE 1	
																		INCIDENTALS	
													LS	103	05000	LS		PREMIUM FOR CONTRACT PERFORMANCE BOND AND FOR PAYMENT BOND	
													LS	614	11000	LS		MAINTAINING TRAFFIC	
													LS	623	10001	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN	P.9
													LS	624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

FAI-158-4.20

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:46:51 AM USER: PatelV2
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DESIGN AGENCY
AECOM

DESIGNER VHP
REVIEWER NSP 06/03/25
PROJECT ID 111621
SHEET P.22 TOTAL 127

REF NO.	SHEET NO.	STATION TO STATION					202 HEADWALL REMOVED EACH	202 PAVEMENT REMOVED SY	202 WALK REMOVED SF	202 STEPS REMOVED FT	202 PIPE REMOVED, 24" DIAMETER AND UNDER FT	202 PIPE REMOVED, OVER 24" DIAMETER FT	202 MAILBOX REMOVED EACH	202 BUILDING DEMOLISHED, PARCEL 18, 2-STORY FRAMED HOUSE,PORCHES, DECK, DETACHED GARAGE LS		202 CATCH BASIN REMOVED EACH	202 SEPTIC TANK REMOVED EACH	SPECIAL DRILLED WATER WELL ABANDONED EACH	202 FENCE REMOVED FT	202 REMOVAL MISC.: LANDSCAPING ROCKS LS	202 REMOVAL MISC.: WAGON AND STEEL WHEEL EACH	202 REMOVAL MISC.: PLOW EACH	202 REMOVAL MISC.:CLOTHESLINE POLE EACH	202 REMOVAL MISC.:BRICK EDGING FT			
R1	P.32	307+77.89	LT	TO	308+38.14	LT					60																
R2	P.32	308+09.01	RT	TO	308+25.24	RT					16																
R3	P.33	309+67.80	LT	TO	309+94.04	LT		47																			
R4	P.32	308+43.50	LT	TO	308+65.00	LT													22								
R5	P.33	309+64.91	LT																					2			
R6	P.32	308+98.50	RT				1																				
R7	P.32	308+97.87	RT	TO	309+93.84	RT					94																
R8	P.33	309+93.49	LT	TO	110+60.62	RT			245	8																	
R9	P.33	401+10.83	LT	TO	401+36.00	LT	2				25																
R10	P.33	111+75.98	RT	TO	200+32.24	LT	1					76															
R11	P.33	111+75.09	LT	TO	111+95.22	RT					56																
R12	P.33	311+02.46	RT	TO	311+26.13	RT	1				26																
R13	P.33	200+32.84	LT													1											
R14	P.33	200+33.64	LT	TO	205+80.42	LT						560															
R15	P.33	310+45.90	RT	TO	310+66.36	RT					21																
R16	NOT USED																										
R17	NOT USED																										
R18	NOT USED																										
R19	P.33	310+14.94	LT	TO	310+36.87	LT					21																
R20	P.33	310+65.60	RT														1										
R21	P.33	310+31.94	RT	TO	310+69.92	RT			113	3																	
R22	P.33	309+72.58	LT	TO	310+23.49	LT								LS													
R23	P.33	309+76.64	LT	TO	309+87.38	LT								LS					12								
R24	P.36	402+59.46	RT	TO	402+89.40	RT	1				30																
R25	P.37	107+57.94	RT	TO	107+79.09	RT					21																
R26	P.37	108+39.33	RT	TO	108+60.81	RT					22																
R27	P.37	109+65.82	RT	TO	109+87.69	RT					21																
R28	P.38	202+87.95	RT	TO	203+08.96	RT					21																
R29	P.33	110+54.25	RT														1										
R30	P.32	308+35.00	LT				1																				
R31	P.32	308+35.00	LT	TO	308+43.60	LT																	1				
R32	P.32	308+67.08	LT																	LS							
R33	P.33	309+56.80	RT																						19		
R34	P.33	309+85.56	RT																		1				25		
R35	P.33	310+44.38	LT															1									
R36	P.33	309+94.17	LT	TO	309+96.86	LT				3																	
R37	P.33	310+32.05	RT															1									
R38	P.33	200+07.18	RT	TO	201+10.89	RT		189																			
MB6	P.33	201+09.01	RT										1														
MB12	P.37	109+89.04	RT										1														
DR1	P.37	107+61.60	LT					64																			
DR4	P.37	108+67.31	LT					64																			
DR5	P.33	110+10.00	LT					82																			
DR8	P.32	308+16.28	RT					22																			
DR10	P.32	309+10.50	RT					114																			
DR11	P.33	401+85.00	LT					87																			
S.R. 158								1794																			
COONPATH RD								1838																			
ROUNDABOUT								780																			
TOTALS CARRIED TO GENERAL SUMMARY							7	5081	358	14	434	636	2	LS		1	2	2	34	LS	1	1	2	44			

REMOVAL SUBSUMMARY

DESIGN AGENCY
AECOM

DESIGNER
HMP

REVIEWER
NSP 06/03/25

PROJECT ID
111621

SHEET P.23 TOTAL 127

FAI-158-4.20

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 7/22/2025 TIME: 9:10:27 AM USER: PatelV2
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\111621\402-Engineering_AECOM\Roadway\Sheets\111621_GS001.dgn

REF NO.	SHEET NO.	STATION TO STATION					203 EXCAVATION CY	203 EMBANKMENT CY		609 CURB, TYPE 6 FT	609 COMBINATION CURB AND GUTTER, TYPE 9, AS PER PLAN -1 FT	609 COMBINATION CURB AND GUTTER, TYPE 9, AS PER PLAN -2 FT		659 SEEDING AND MULCHING, CLASS 1 SY		SPECIAL MAILBOX SUPPORT SYSTEM, SINGLE EACH
C1	P.33	110+30.00	LT	TO	401+75.00	LT						272				
C2	P.33	110+30.00	RT	TO	309+50.00	LT						274				
C3	P.33	309+50.00	RT	TO	201+80.00	RT						280				
C4	P.33	201+80.00	LT	TO	401+75.00	RT						277				
C5	P.33	110+30.00	LT	TO	111+39.00	RT				236						
C6	P.33	200+71.11	LT	TO	201+80.00	RT				236						
C7	P.33	309+50.00	LT	TO	310+57.15	RT				233						
C8	P.33	400+71.00	LT	TO	401+75.00	RT				226						
C9	P.33	0+00.00	LT	TO	4+39.82	LT					308					
C10	P.33	0+00.00	LT	TO	4+39.82	LT				228						
MB1	P.32	307+96.95	RT	TO	308+26.68	RT										1
MB2	P.32	308+04.92	LT	TO	308+06.19	LT										1
MB3	P.32	308+09.25	LT	TO	308+10.01	LT										1
MB4	P.32	309+25.45	RT	TO	309+26.25	RT										1
MB5	P.33	110+22.31	LT	TO	110+74.72	LT										2
MB7	P.36	402+88.69	RT	TO	403+01.99	RT										1
MB8	P.37	107+75.52	LT	TO	107+78.48	LT										1
MB9	P.37	107+82.62	RT	TO	107+84.28	RT										1
MB10	P.37	108+63.72	RT	TO	108+64.66	RT										1
MB11	P.37	108+54.31	LT	TO	108+81.29	LT										1
MB13	P.38	202+85.51	RT	TO	203+12.21	RT										1
R39	P.33	109+64.89	RT	TO	110+60.36	RT	89	89						400		
	P.83	S.R. 158					2792	479						3371		
	P.83	COONPATH RD					2510	379						3094		
	P.83	ROUNDABOUT					377	784						346		
TOTALS CARRIED TO GENERAL SUMMARY							5768	1731		1159	308	1103		7211		12

ROADWAY SUBSUMMARY

DESIGN AGENCY
AECOM

DESIGNER
HMP

REVIEWER
NSP 06/03/25

PROJECT ID
111621

SHEET P.24 | TOTAL 127

FAI-158-4.20

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:47:36 AM USER: PatelV2
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\111621\402-Engineering_AECOM\Roadway\Sheets\111621_GS002.dgn

DRIVEWAY SUBSUMMARY

REF NO.	STATION RANGE	SIDE	EXISTING DRIVE COMPOSITION	DRIVE TYPE	DRIVE WIDTH AT TIE-IN TO EXISTING	DRIVE WIDTH AT BACK OF WALK	DRIVE LENGTH	APRON WIDTH	DRIVE AREA	APRON AREA	TOTAL DRIVEWAY AREA	204 SUBGRADE COMPACTION	254 PAVEMENT PLANING, ASPHALT CONCRETE, 2"		304 AGGREGATE BASE, 6"	304 AGGREGATE BASE, 8"		441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS)	452 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P							
					W	W2	L	AW	A1	A2	A															
					FT	FT	FT	FT	SQ FT	SQ FT	SY	SY	SY		CY	CY		CY	SY							
															0.167A	0.222A		0.057A	A							
	COONPATH RD																									
DR1	107+61.60	LT	CONCRETE	RESIDENTIAL	24	24	14.00	56.20	336.00	296.48	70.28	70.28							70.28							
DR2	107+71.40	RT	GRAVEL	RESIDENTIAL	16	16	23.80	46.27	380.86	209.04	65.54	65.54				14.57										
DR3	108+49.83	RT	GRAVEL	RESIDENTIAL	23	23	7.35	48.94	165.42	187.37	39.20	39.20				8.71										
DR4	108+67.31	LT	CONCRETE	RESIDENTIAL	16	16	25.00	42.50	400.00	151.50	61.28	61.28							61.28							
DR5	110+10.00	LT	CONCRETE	RESIDENTIAL	10	10	74.00	35.89	740.00	120.68	95.63	95.63							95.63							
DR6	203+01.60	RT	GRAVEL	RESIDENTIAL	11	11	27.10	40.42	298.10	126.19	47.14	47.14				10.48										
	S.R. 158																									
DR7	307+91.76	LT	GRAVEL	RESIDENTIAL	11	11	17.02	28.98	187.22	127.01	34.91	34.91				7.76										
DR8	308+16.28	RT	ASPHALT	RESIDENTIAL	10	10	11.44	36.30	109.82	117.27	25.23	25.23			4.21			1.44								
DR9	308+24.02	LT	GRAVEL	RESIDENTIAL	10	10	11.18	26.96	111.80	109.04	24.54	24.54				5.45										
DR10A	309+10.50	RT	ASPHALT	RESIDENTIAL	18		30.00	46.40	458.47	169.48	69.77	69.77	149.04		11.63			12.47								
DR10B	10+43.32	LT	ASPHALT	RESIDENTIAL	11		33.20		399.62		44.40	44.40	81.41		7.40			7.17								
DR11	401+85.00	LT	CONCRETE	RESIDENTIAL	10	10	93.42	20.00	934.20	76.94	112.35	112.35							112.35							
DR12	402+77.41	RT	GRAVEL	RESIDENTIAL	11	11	15.92	37.62	175.12	123.85	33.22	33.22				7.38										

STATION RANGE			TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA	204 SUBGRADE COMPACTION	204 PROOF ROLLING	206 CEMENT	206 CURING COAT	206 CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP	252 FULL DEPTH PAVEMENT SAWING	254 PAVEMENT PLANING, ASPHALT CONCRETE, 3"	301 ASPHALT CONCRETE BASE, PG64-22, (449), 6"	304 AGGREGATE BASE, 6"	304 AGGREGATE BASE, 15"	407 NON-TRACKING TACK COAT	407 NON-TRACKING TACK COAT	441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG70-22M, 1.25"	441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449), 1.75"	452 9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	609 6" CONCRETE TRAFFIC ISLAND		
					FT	FT	SQ YD	SQ YD	SY	HOUR	TON	SY	SY	FT	SY	CY	CY	CY	GAL	GAL	CY	CY	SY	SY		
									A	1 HR/2000 SY		A	A		A	0.5A	0.5A	1.25A	0.05AxNO.	0.08A	0.104A	0.1458A	A			
S.R. 158 (NORTH LEG)										A(.75*14*115*.05)/2000																
400+70.00	TO	401+75.00		LT	105.00			177.23								88.61			17.72		18.43	25.84				
400+70.00	TO	401+75.00		LT	105.00			332.80	332.80	0.17	10.05	332.80	332.80													
400+70.00	TO	401+75.00		LT/RT	105.00			602.73									301.36									
400+70.00	TO	401+75.00		LT/RT	105.00			65.01										81.26							65.01	
400+70.00	TO	401+75.00		LT	105.00			69.03															69.03			
401+75.00	TO	403+70.00		LT	195.00			391.74											19.59		40.74	57.12				
401+75.00	TO	403+70.00		LT	195.00			402.67	402.67	0.20	12.16	402.67	402.67				201.34									
401+75.00	TO	403+70.00		LT	195.00			399.03								199.51			19.95							
400+70.00	TO	401+75.00		RT	105.00			186.64								93.32			18.66		19.41	27.21				
400+70.00	TO	401+75.00		RT	105.00			60.56															60.56			
400+70.00	TO	401+75.00		RT	105.00			338.96	338.96	0.17	10.23	338.96	338.96													
401+75.00	TO	403+70.00		RT	195.00			387.03											19.35		40.25	56.43				
401+75.00	TO	403+70.00		RT	195.00			397.78	397.78	0.20	12.01	397.78	397.78				198.89									
401+75.00	TO	403+70.00		RT	195.00			394.20								197.10			19.71							
403+70.00				LT/RT										27.50												
S.R. 158 (SOUTH LEG)																										
307+55.00	TO	309+50.00		LT	195.00			399.09											19.95		41.51	58.19				
307+55.00	TO	309+50.00		LT	195.00			409.99	409.99	0.20	12.38	409.99	409.99				204.99									
307+55.00	TO	309+50.00		LT	195.00			406.35								203.18			20.32							
309+50.00	TO	310+58.25		LT	108.25			193.88								96.94			19.39		20.16	28.27				
309+50.00	TO	310+58.25		LT	108.25			372.85	372.85	0.19	11.26	372.85	372.85													
309+50.00	TO	310+58.25		LT/RT	108.25			645.75									322.87									
309+50.00	TO	310+58.25		LT/RT	108.25			67.03										83.79							67.03	
309+50.00	TO	310+58.25		LT	108.25			82.62															82.62			
307+55.00	TO	309+50.00		RT	195.00			396.96											19.85		41.28	57.88				
307+55.00	TO	309+50.00		RT	195.00			407.75	407.75	0.20	12.31	407.75	407.75				203.88									
307+55.00	TO	309+50.00		RT	195.00			404.15								202.08			20.21							
307+55.00				LT/RT										28.00												
309+50.00	TO	310+58.25		RT	108.25			184.83								92.42			18.48		19.22	26.95				
309+50.00	TO	310+58.25		RT	108.25			339.94	339.94	0.17	10.26	339.94	339.94													
309+50.00	TO	310+58.25		RT	108.25			67.53															67.53			
COONPATH RD (EAST LEG)																										
200+70.00	TO	201+80.00		LT	110.00			186.75								93.37			18.67		19.42	27.23				
200+70.00	TO	201+80.00		LT	110.00			328.85	328.85	0.16	9.93	328.85	328.85													
200+70.00	TO	201+80.00		LT/RT	110.00			619.20									309.60									
200+70.00	TO	201+80.00		LT/RT	110.00			69.59										86.98							69.59	
200+70.00	TO	201+80.00		LT	110.00			55.96															55.96			
201+80.00	TO	203+70.00		LT	190.00			365.82											18.29		38.05	53.34				
201+80.00	TO	203+70.00		LT	190.00			376.39	376.39	0.19	11.36	376.39	376.39				188.20									
201+80.00	TO	203+70.00		LT	190.00			372.87								186.43			18.64							
203+70.00	TO	206+00.00		LT	230.00			284.18							284.18				14.21	22.73	29.55	41.43				
SUBTOTALS CARRIED TO SHEET P.27																										
SUBTOTALS CARRIED TO SHEET P.27									3708	2	112	3708	3708	56	285	1453	1932	253	303	23	329	460	336	202		

PAVEMENT SUBSUMMARY

DESIGN AGENCY
AECOM

DESIGNER
HMP

REVIEWER
NSP 06/03/25

PROJECT ID
111621

SHEET P.26 TOTAL 127

FAI-158-4.20

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:48:15 AM USER: PatelV2
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\111621\402-Engineering_AECOM\Roadway\Sheets\111621_GS004.dgn

PAVEMENT SUBSUMMARY

STATION RANGE			TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA	204 SUBGRADE COMPACTION	204 PROOF ROLLING	206 CEMENT	206 CURING COAT	206 CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP	252 FULL DEPTH PAVEMENT SAWING	254 PAVEMENT PLANING, ASPHALT CONCRETE, 3"	301 ASPHALT CONCRETE BASE, PG64-22, (449), 6"	304 AGGREGATE BASE, 6"	304 AGGREGATE BASE, 15"	407 NON-TRACKING TACK COAT	407 NON-TRACKING TACK COAT	441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG70-22M, 1.25"	441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449), 1.75"	452 9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	609 6" CONCRETE TRAFFIC ISLAND		
					FT	FT	SQ YD	SQ YD	SY	HOUR	TON	SY	SY	FT	SY	CY	CY	CY	GAL	GAL	CY	CY	SY	SY		
									A	HR/2000 SY		A	A		A	0.5A	0.5A	1.25A	0.05AxNO.	0.08A	0.104A	0.1458A	A			
COONPATH RD (EAST LEG)										A(.75*14*115*.05)/2000																
200+70.00	TO	201+80.00		RT	110.00			190.40								95.20			19.04		19.80	27.76				
200+70.00	TO	201+80.00		RT	110.00			359.94	359.94	0.18	10.87	359.94	359.94													
200+70.00	TO	201+80.00		RT	110.00			68.70															68.70			
201+80.00	TO	203+70.00		RT	190.00			367.62											18.38		38.23	53.60				
201+80.00	TO	203+70.00		RT	190.00			378.19	378.19	0.19	11.42	378.19	378.19				189.10									
201+80.00	TO	203+70.00		RT	190.00			374.67								187.33			18.73							
203+70.00				LT/RT										24.24												
203+70.00	TO	206+00.00		RT	230.00			338.25							338.25				16.91	27.06	35.18	49.32				
COONPATH RD (WEST LEG)																										
106+00.00	TO	107+35.00		LT	135.00			167.30							167.30				8.37	13.38	17.40	24.39				
107+35.00	TO	108+65.00		LT	130.00			211.24											10.56		21.97	30.80				
107+35.00	TO	108+65.00		LT	130.00			218.47	218.47	0.11	6.59	218.47	218.47				109.23									
107+35.00	TO	108+65.00		LT	130.00			216.06								108.03			10.80							
107+35.00				LT/RT										23.77												
108+65.00		110+30.00		LT	165.00			337.09											16.85		35.06	49.15				
108+65.00		110+30.00		LT	165.00			346.37	346.37	0.17	10.46	346.37	346.37				173.18									
108+65.00		110+30.00		LT	165.00			343.21								171.61			17.16							
110+30.00	TO	111+40.02		LT	110.02			194.14								97.07			19.41		20.19	28.31				
110+30.00	TO	111+40.02		LT	110.02			369.31	369.31	0.18	11.15	369.31	369.31													
110+30.00	TO	111+40.02		LT/RT	110.02			628.19									314.10									
110+30.00	TO	111+40.02		LT/RT	110.02			66.11										82.63							66.11	
110+30.00	TO	111+40.02		LT	110.02			77.47															77.47			
106+00.00	TO	107+35.00		RT	135.00			176.97							176.97				8.85	14.16	18.41	25.80				
107+35.00	TO	108+65.00		RT	130.00			212.50											10.62		22.10	30.98				
107+35.00	TO	108+65.00		RT	130.00			219.71	219.71	0.11	6.63	219.71	219.71				109.86									
107+35.00	TO	108+65.00		RT	130.00			217.32								108.66			10.87							
108+65.00	TO	110+30.00		RT	165.00			336.38											16.82		34.98	49.04				
108+65.00	TO	110+30.00		RT	165.00			345.55	345.55	0.17	10.43	345.55	345.55				172.78									
108+65.00	TO	110+30.00		RT	165.00			342.47								171.24			17.12							
110+30.00	TO	111+40.02		RT	110.02			189.04								94.52			18.90		19.66	27.56				
110+30.00	TO	111+40.02		RT	110.02			324.99	324.99	0.16	9.81	324.99	324.99													
110+30.00	TO	111+40.02		RT	110.02			51.38															51.38			
ROUNDABOUT																										
0+00.00	TO	4+39.82		LT	439.82			837.76								418.88			83.78		87.13	122.15				
0+00.00	TO	4+39.82		LT	439.82			1262.21	1262.21	0.63	38.10	1262.21	1262.21				631.11									
0+00.00	TO	4+39.82		LT	439.82			381.43															381.43			
								SUBTOTALS CARRIED FROM P.26	3708	2	112	3708	3708	56	285	1453	1932	253	303	23	329	460	336	202		
								SUBTOTALS	3825	2	116	3825	3825	48	683	1453	1700	83	324	55	371	519	579	67		
								TOTALS CARRIED TO GENERAL SUMMARY	7533	4	228	7533	7533	104	968	2906	3968		705		700	979	915	269		

DESIGN AGENCY

AECOM

DESIGNER HMP

REVIEWER NSP 06/03/25

PROJECT ID 111621

SHEET P.27 TOTAL 127

FAI-158-4.20

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:48:33 AM USER: PatelV2
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DRAINAGE SUBSUMMARY

REF NO.	SHEET NO.	STATION TO STATION					601 ROCK CHANNEL PROTECTION, TYPE B WITH FILTER CY	601 ROCK CHANNEL PROTECTION, TYPE C WITH FILTER CY	602 CONCRETE MASONRY CY	611 8" CONDUIT, TYPE C FT	611 12" CONDUIT, TYPE B FT	611 12" CONDUIT, TYPE D FT	611 15" CONDUIT, TYPE A, 706.01, 707.04 (0.079), 707.33 FT	611 15" CONDUIT, TYPE D FT	611 18" CONDUIT, TYPE C FT	611 24" CONDUIT, TYPE D FT	611 30" CONDUIT, TYPE A, 706.02, 707.04 (0.109), 707.33 FT	611 30" CONDUIT, TYPE B FT	611 36" CONDUIT, TYPE C FT	611 CATCH BASIN, NO. 6 EACH	611 MANHOLE, NO. 3 EACH
D1	P.32	307+76.84	LT	TO	308+38.90	LT			0.92							62					
D2	P.32	308+04.79	RT		308+26.47	RT								22							
D3	P.32	308+92.19	RT		309+94.83	RT								100							
D4	P.33	110+81.76	RT		111+36.35	RT					56									1	
D5	P.33	111+36.35	RT		111+23.82	RT			0.21		23									1	
D6	P.33	310+15.68	LT		310+11.42	LT			0.21		27									1	
D7	P.33	309+92.75	LT		310+06.97	RT		8	1.20								81				
D8	P.33	310+14.70	RT		310+15.64	RT			0.21		26									1	
D9	P.33	110+84.31	LT		111+24.54	LT					41									1	
D10	P.33	111+24.54	LT		400+71.90	LT					73									1	
D11	P.33	400+71.90	LT		400+86.90	LT			0.21		26									1	
D12	P.33	400+90.29	LT		400+82.06	RT			0.54				99								
D13	P.33	401+39.02	LT		401+39.25	LT			0.21		15									1	
D14	P.33	401+40.91	RT		401+40.97	RT			0.21		18									1	
D15	P.33	401+70.42	LT		401+97.05	LT						28									
D16	P.33	200+52.62	LT		200+67.05	LT			0.21		20									1	
D17		NOT USED																			
D18	P.33	201+18.43	RT		201+65.82	LT	17		0.6									85			
D19	P.33	201+65.82	LT		201+59.37	LT			0.33						8						
D20		NOT USED																			
D21		NOT USED																			
D22	P.33	201+65.82	LT		203+13.00	LT													147		1
D23	P.36	402+65.93	RT		402+92.12	RT						26									
D24	P.37	107+58.21	RT		107+85.26	RT						27									
D25	P.33	109+95.66	LT		110+25.10	LT						30									
D26	P.38	202+88.26	RT		203+15.92	RT						28									
D27	P.38	203+07.78	LT		203+13.00	LT				12											
D28	P.38	203+13.00	LT		203+35.00	LT													22		1
D29	P.38	203+28.74	LT		203+35.00	LT				12											
D30	P.38	203+35.00	LT		205+75.00	LT													240		1
D31	P.38	205+75.00	LT		205+80.39	LT	12.2		0.76										8		1
TOTALS CARRIED TO GENERAL SUMMARY							29	8	5.9	24	325	139	99	122	8	62	81	85	417	10	4

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

PROJECT ID
111621

SHEET P.28 TOTAL 127

FAI-158-4.20

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:48:52 AM USER: PatelV2
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REF NO.	SHEET NO.	STATION TO STATION					659 TOPSOIL, AS PER PLAN, 4" CY		670 SLOPE EROSION PROTECTION SY	670 DITCH EROSION PROTECTION SY	670 DITCH EROSION PROTECTION MAT, TYPE B SY		836 SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1 SY														
E1	P.33	111+00.05	RT	TO	309+48.88	LT	38		344.00																	
E2	P.33	309+49.06	LT	TO	309+96.28	LT	7						61.15													
E3	P.33	309+48.40	RT	TO	310+05.87	RT	1						8.33													
E4	P.33	310+05.81	RT	TO	310+79.46	RT	15						133.27													
E5	P.33	201+15.36	RT	TO	309+82.90	RT	33		299.43																	
E6	P.33	201+50.00	RT	TO	202+50.00	RT	8			84.17																
E7	P.33	201+53.60	LT	TO	401+12.09	RT	35		310.55																	
E8	P.33	401+74.06	RT	TO	402+65.98	RT	11			74.58																
E9	P.36	401+97.43	LT	TO	403+62.24	LT	16			139.83																
E10	P.36	402+92.22	RT	TO	403+75.00	RT	7			69.42																
E11	P.38	202+50.00	RT	TO	202+86.51	RT	3				31.92															
E12	P.38	203+15.88	RT	TO	203+70.18	RT	3				46.08															
E13	P.32	308+38.50	LT	TO	309+48.08	LT	15				137.26															
E14	P.32	307+54.70	RT	TO	308+05.14	RT	5			61.36																
E15		308+26.21	RT	TO	308+92.36	RT	7			80.67																
VBF 1	P.31																									
VBF 2	P.31																									
VBF 3	P.31																									
VBF 4	P.31																									
TOTALS CARRIED TO GENERAL SUMMARY							204		954	510	216		203													

EROSION CONTROL SUBSUMMARY

DESIGN AGENCY
AECOM

DESIGNER
HMP

REVIEWER
NSP 06/03/25

PROJECT ID
111621

SHEET P.29 TOTAL 127

FAI-158-4.20

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:49:07 AM USER: PatelV2
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REF NO.	SHEET NO.	STATION TO STATION					605 6" UNCLASSIFIED PIPE UNDERDRAINS	605 6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	611 6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS												BENDS AND BRANCHES FOR INFORMATION ONLY				
																					PLUG	TEE	90° ELL	45° ELL	22.5° ELL
							FT	FT	FT																
UD1	P.32	307+55.00	LT	TO	310+15.68	LT		251	10																2
UD2	P.32	307+55.00	RT		310+14.70	RT		247	10																2
UD3	P.33	110+83.93	RT		111+36.35	RT		42	10																
UD4	P.33	111+36.35	RT		310+74.94	LT		19	10																
UD5	P.33	310+74.94	RT		310+15.68	RT		54	10																
UD6	P.33	110+86.48	LT		111+24.55	LT		26	10																
UD7	P.33	111+24.55	LT		400+49.57	LT		27	10																
UD8	P.33	400+49.57	LT		400+71.90	LT		20	10																
UD9	P.33	400+74.36	LT		401+39.02	LT		53	10																
UD10	P.33	401+40.91	RT		400+51.63	RT		89	10																
UD11	P.33	200+55.01	LT		201+66.99	LT		135																	
UD12	P.33	201+70.00	LT		203+50.00	LT	170																		2
UD13	P.33	201+70.00	RT		203+50.00	RT	170																		2
UD14	P.33	200+54.64	RT		201+69.18	RT		133																	
UD15	P.33	200+54.64	RT		310+14.70	RT		68	10																
UD16	P.36	401+39.02	LT		403+70.00	LT		221	10																2
UD17	P.36	401+40.91	RT		403+70.00	RT		215	10																2
UD18	P.37	106+25.00	RT		107+36.00	RT			115														1		
UD19	P.37	107+36.00	LT		107+36.00	RT			24														2		
UD20	P.37	107+36.00	LT		109+11.00	LT	180																		
UD21	P.37	107+36.00	RT		109+11.00	RT	195.5																		
UD22	P.37	1019+11.00	LT		110+84.31	LT		157	10																2
UD23	P.37	1019+11.00	RT		110+81.76	RT		145	10																2
UD24	P.38	203+50.00	LT		203+50.00	RT			34																
UD25	P.33	111+62.27	LT		20+47.75	LT		300																	
UD26	P.33	200+35.08	LT		200+52.62	LT	23.5																		
TOTALS CARRIED TO GENERAL SUMMARY							739	2202	323																

UNDERDRAIN SUBSUMMARY

DESIGN AGENCY
AECOM

DESIGNER
HMP

REVIEWER
NSP 06/03/25

PROJECT ID
111621

SHEET P.30 TOTAL 127

FAI-158-4.20

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:49:26 AM USER: PatelV2
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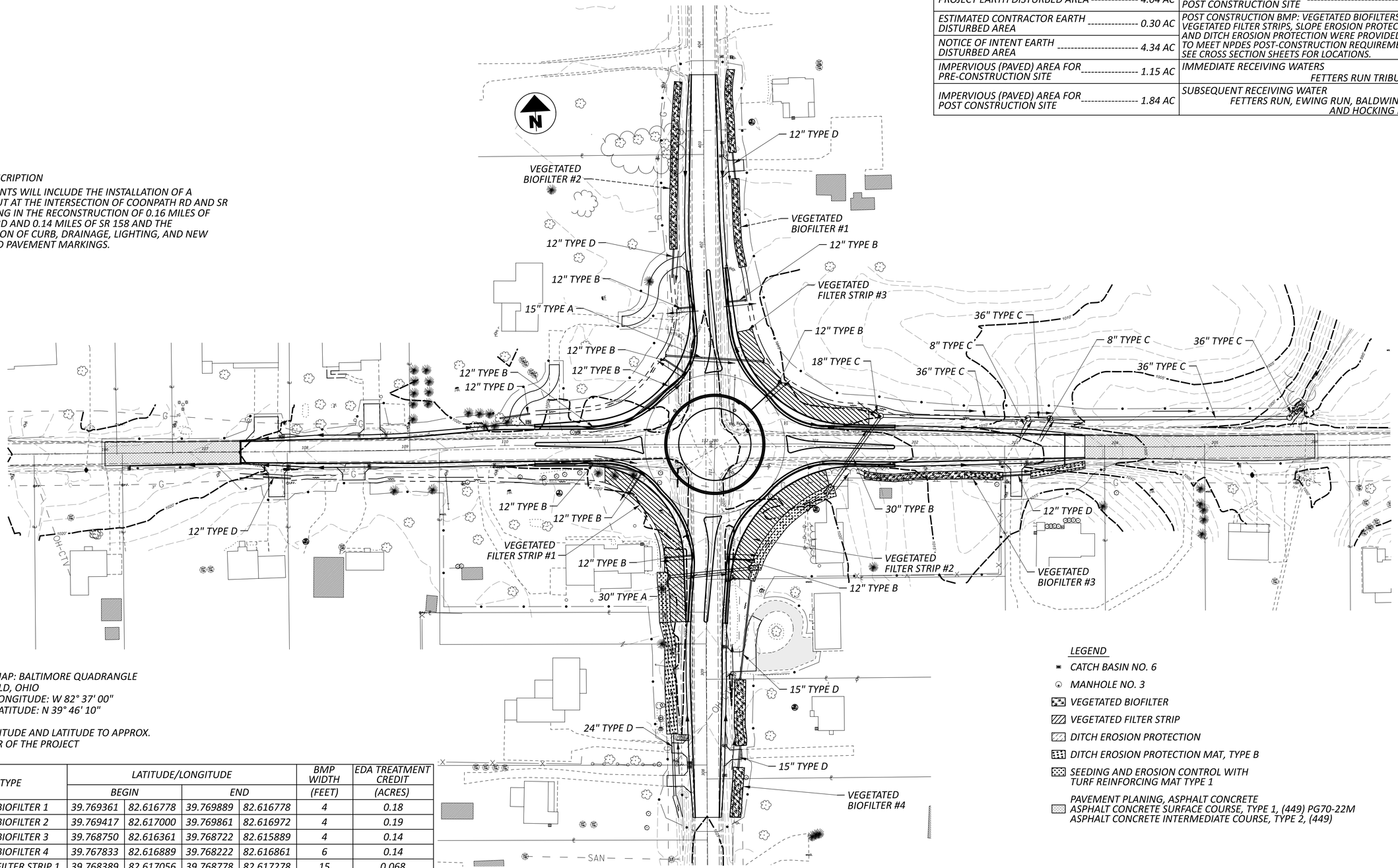
PROJECT DATA	
TOTAL AREA (RIGHT-OF-WAY) ---------- 5.59 AC	RUNOFF COEFFICIENT FOR PRE-CONSTRUCTION SITE ---------- 0.54
PROJECT EARTH DISTURBED AREA ---------- 4.04 AC	RUNOFF COEFFICIENT FOR POST CONSTRUCTION SITE ---------- 0.63
ESTIMATED CONTRACTOR EARTH DISTURBED AREA ---------- 0.30 AC	POST CONSTRUCTION BMP: VEGETATED BIOFILTERS, VEGETATED FILTER STRIPS, SLOPE EROSION PROTECTION, AND DITCH EROSION PROTECTION WERE PROVIDED TO MEET NPDES POST-CONSTRUCTION REQUIREMENTS. SEE CROSS SECTION SHEETS FOR LOCATIONS.
NOTICE OF INTENT EARTH DISTURBED AREA ---------- 4.34 AC	
IMPERVIOUS (PAVED) AREA FOR PRE-CONSTRUCTION SITE ---------- 1.15 AC	IMMEDIATE RECEIVING WATERS FETTERS RUN TRIBUTARY
IMPERVIOUS (PAVED) AREA FOR POST CONSTRUCTION SITE ---------- 1.84 AC	SUBSEQUENT RECEIVING WATER FETTERS RUN, EWING RUN, BALDWIN RUN, AND HOCKING RIVER

HORIZONTAL SCALE IN FEET
0 25 50 100

PROJECT SITE PLAN

PROJECT DESCRIPTION

IMPROVEMENTS WILL INCLUDE THE INSTALLATION OF A ROUNDABOUT AT THE INTERSECTION OF COONPATH RD AND SR 158 RESULTING IN THE RECONSTRUCTION OF 0.16 MILES OF COONPATH RD AND 0.14 MILES OF SR 158 AND THE CONSTRUCTION OF CURB, DRAINAGE, LIGHTING, AND NEW SIGNING AND PAVEMENT MARKINGS.



USGS MAP: BALTIMORE QUADRANGLE
FAIRFIELD, OHIO
LONGITUDE: W 82° 37' 00"
LATITUDE: N 39° 46' 10"

** LONGITUDE AND LATITUDE TO APPROX. CENTER OF THE PROJECT*

BMP TYPE	LATITUDE/LONGITUDE				BMP WIDTH	EDA TREATMENT CREDIT
	BEGIN		END		(FEET)	(ACRES)
VEGETATED BIOFILTER 1	39.769361	82.616778	39.769889	82.616778	4	0.18
VEGETATED BIOFILTER 2	39.769417	82.617000	39.769861	82.616972	4	0.19
VEGETATED BIOFILTER 3	39.768750	82.616361	39.768722	82.615889	4	0.14
VEGETATED BIOFILTER 4	39.767833	82.616889	39.768222	82.616861	6	0.14
VEGETATED FILTER STRIP 1	39.768389	82.617056	39.768778	82.617278	15	0.068
VEGETATED FILTER STRIP 2	39.768500	82.616806	39.768750	82.616500	15	0.062
VEGETATED FILTER STRIP 3	39.769194	82.616750	39.768944	82.616333	15	0.064
				TREATMENT PROVIDED		0.84 ACRES
				TREATMENT REQUIRED*		0.81 ACRES

** CALCULATED PER L&D VOL. 2, SEC. 1111.7*

LEGEND

- CATCH BASIN NO. 6
- MANHOLE NO. 3
- VEGETATED BIOFILTER
- VEGETATED FILTER STRIP
- DITCH EROSION PROTECTION
- DITCH EROSION PROTECTION MAT, TYPE B
- SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT TYPE 1
- PAVEMENT PLANING, ASPHALT CONCRETE
  ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449) PG70-22M
  ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

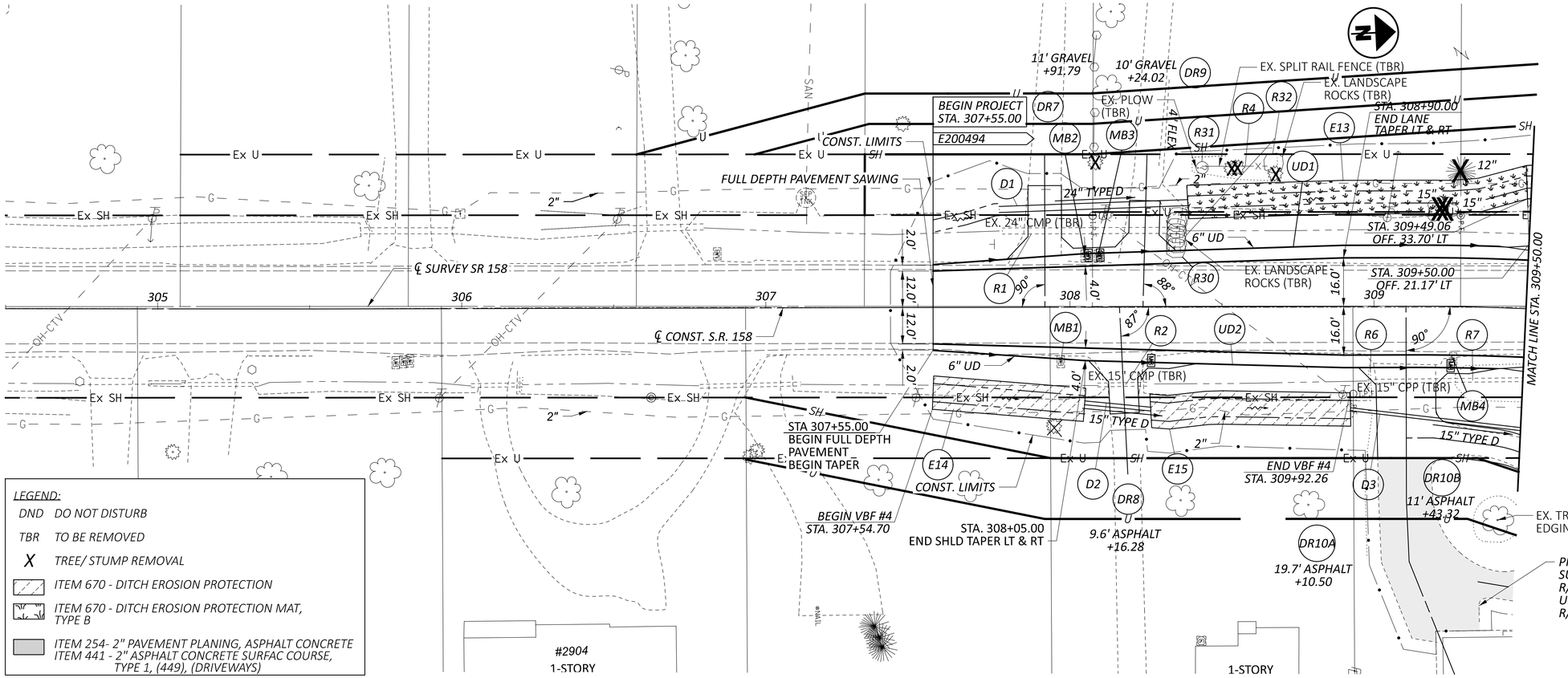
ITEM 832 - STORM WATER POLLUTION PREVENTION PLAN - LUMP SUM
ITEM 832 - STORM WATER POLLUTION PREVENTION INSPECTIONS - LUMP SUM
ITEM 832 - STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE - LUMP SUM
ITEM 832 - EROSION CONTROL - 50,000 EACH

DESIGN AGENCY
AECOM

DESIGNER HMP
REVIEWER NSP 06/03/25
PROJECT ID 111621
SHEET P.31 TOTAL 127

FAI-158-4.20

MODEL: Roundabout - Site Plan [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:49:45 AM USER: PatelV2
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\111621\402 Engineering_AECOM\Drainage\Sheets\111621_DB001.dgn



PROPOSED PAVEMENT PLANING AND SURFACE COURSE WORK BEYOND THE R/W LIMITATIONS HAS BEEN AGREED UPON WITH THE OWNER DURING R/W NEGOTATIONS.

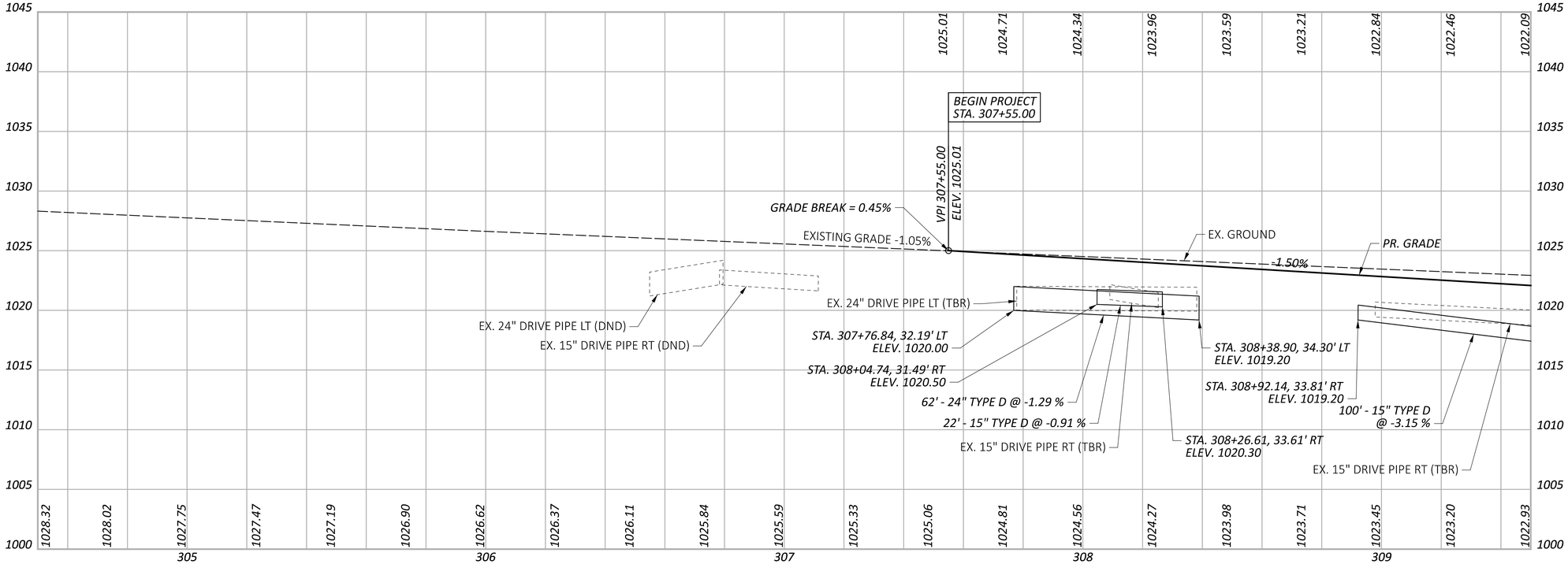
NOTES:

FOR S.R. 158 CROSS SECTIONS, SEE SHEETS P.39 - P.45 .

FOR DRIVEWAY PROFILES SEE SHEET P.95 .

FOR STORM SEWER PROFILES, SEE SHEETS P.99 -P.104 .

FOR ESTIMATED QUANTITIES, SEE SHEETS P.23 -P.30 .



HORIZONTAL SCALE IN FEET
0 10 20 40

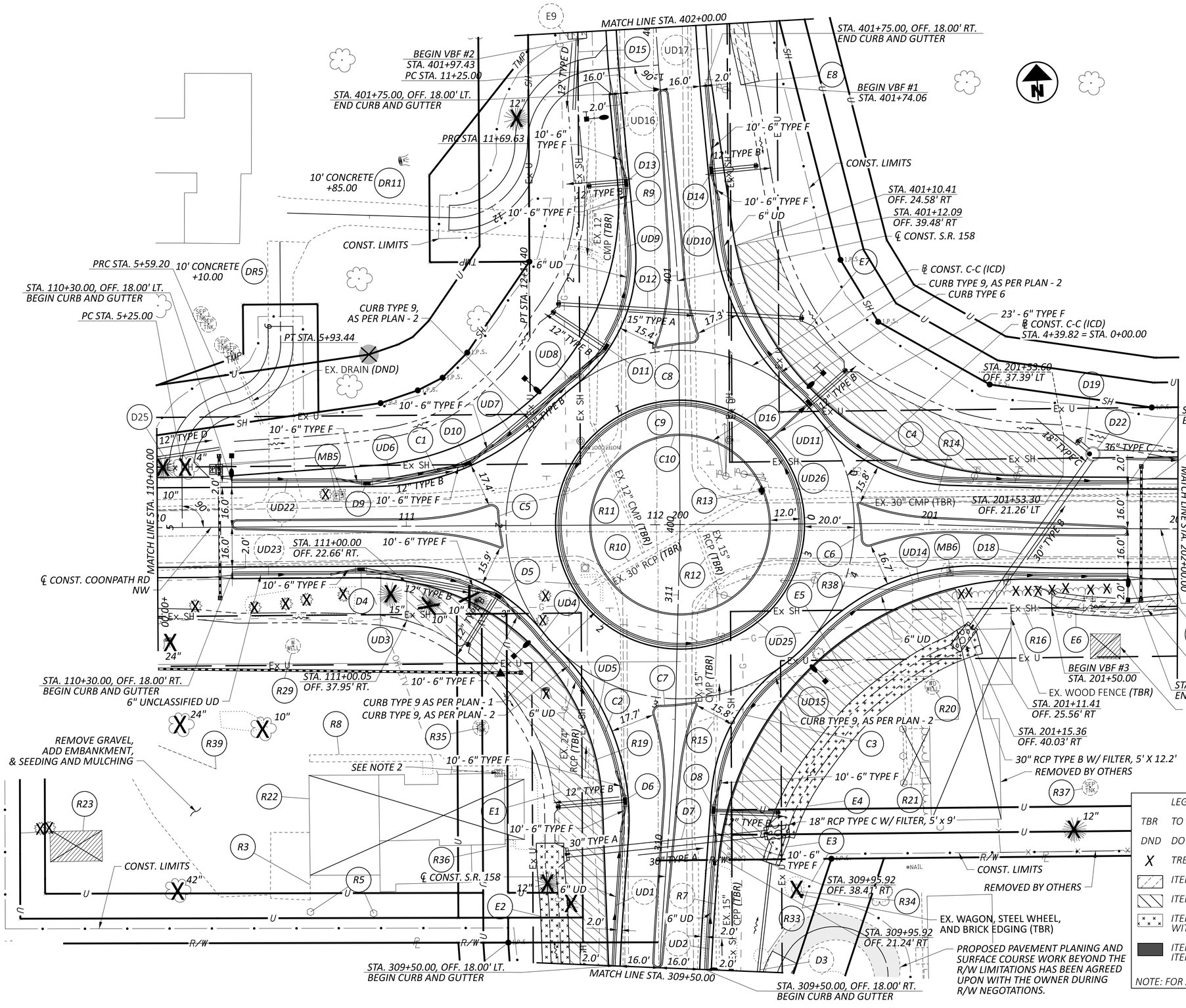
S.R.158 PLAN AND PROFILE
BEGIN WORK TO STA. 309+50

DESIGN AGENCY
AECOM

DESIGNER VHP
REVIEWER NSP 06/03/25
PROJECT ID 111621
SHEET P.32 TOTAL 127

FAI-158-4.20

MODEL: CLP_South_Leg - Plan [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 9:20:55 AM USER: PatelV2
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NOTES:

1. CURB FOR APPROACH ENDS OF MEDIAN NOSES SHALL BE VERTICALLY TAPERED FROM 2" TO 6" IN HEIGHT OVER 10' PER ODOT SCD RM-3.1.
2. CONTRACTOR TO VERIFY THE GAS SERVICE LINE HAS BEEN SHUT OFF AND GAS LINE IS INACTIVE PRIOR TO HOUSE DEMOLITION.

FOR ESTIMATED QUANTITIES, SEE SHEETS P.23 - P.30

FOR COONPATH RD NW (WEST LEG) CROSS SECTIONS, SEE SHEETS P.68 - P.71 .

FOR COONPATH RD NW (EAST LEG) CROSS SECTIONS, SEE SHEETS P.72 - P.76 .

FOR S.R. 158 (NORTH LEG) CROSS SECTIONS, SEE SHEETS P.56 - P.59.

FOR S.R. 158 (SOUTH LEG) CROSS SECTIONS, SEE SHEETS P.45 - P.47

FOR ROUNDABOUT CROSS SECTIONS, SEE SHEETS P.48 - P.55 .

HORIZONTAL SCALE IN FEET
0 10 20 40

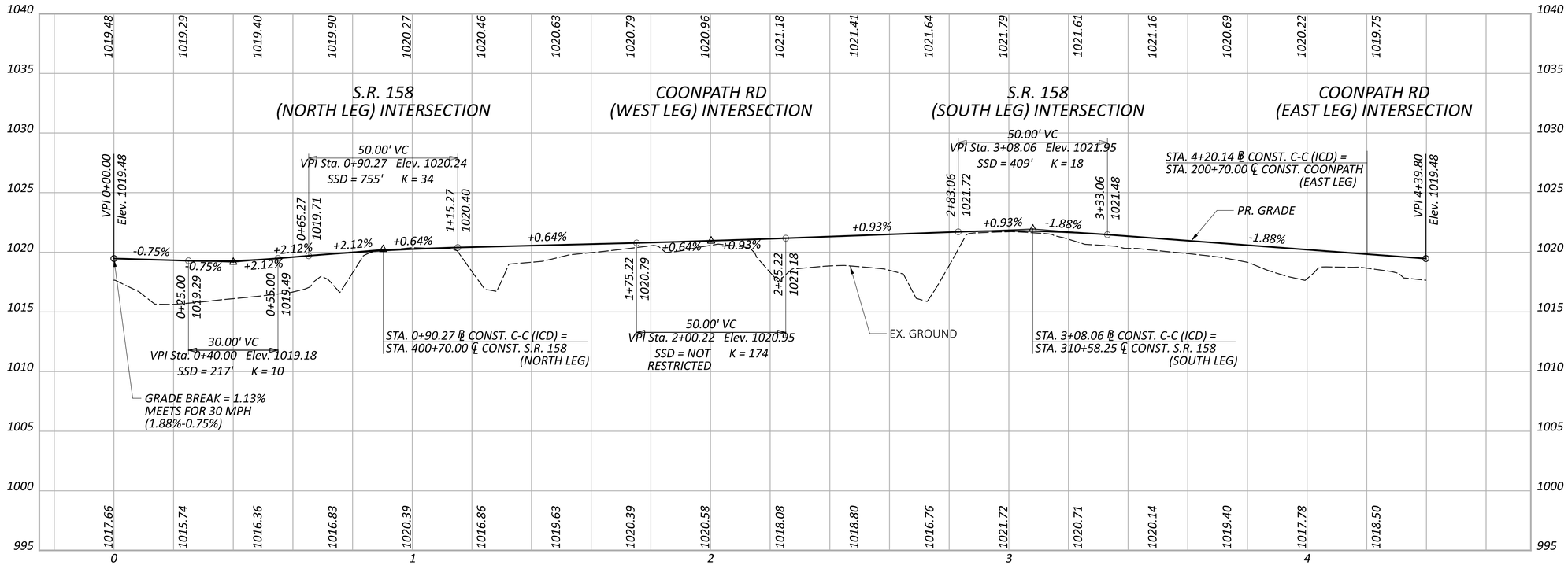
ROUNDABOUT PLAN
STA. 0+00 TO STA. 4+25

DESIGN AGENCY
AECOM

DESIGNER VHP
REVIEWER NSP 06/03/25
PROJECT ID 111621
SHEET P.33 TOTAL 127

FAI-158-4.20

MODEL: Roundabout - Plan [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/2/2025 TIME: 9:01:00 AM USER: PateN2
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HORIZONTAL SCALE IN FEET
0 10 20 40

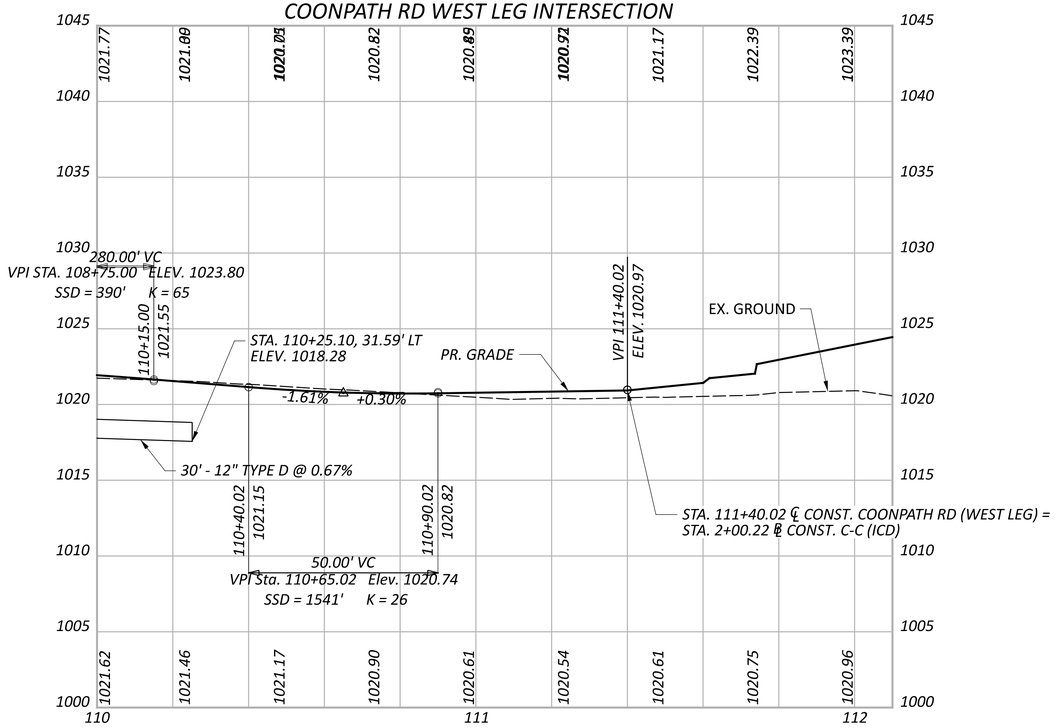
ROUNDABOUT B/L CONST. C-C (ICD) PROFILE
STA. 0+00 TO STA. 4+39.82

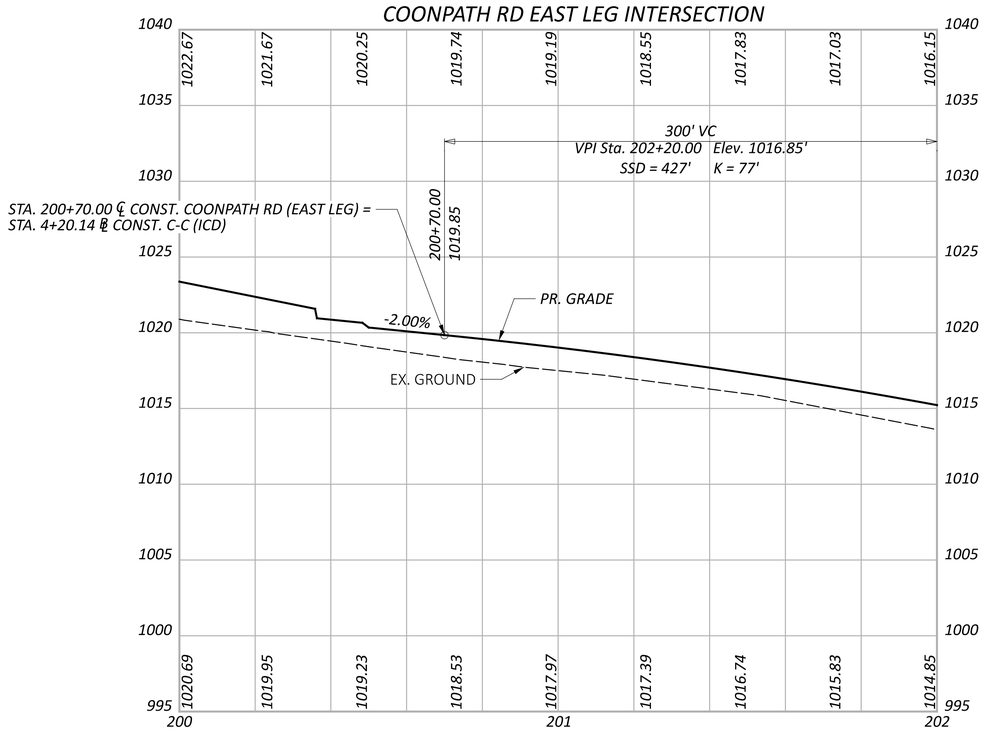
DESIGN AGENCY
AECOM

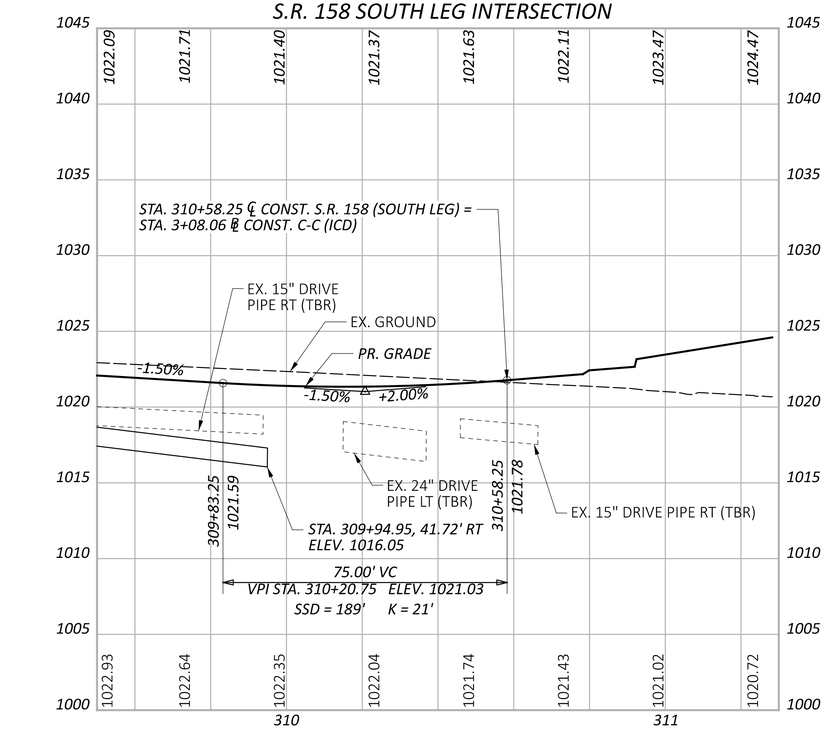
DESIGNER VHP
REVIEWER NSP 06/03/25
PROJECT ID 111621
SHEET P.34 TOTAL 127

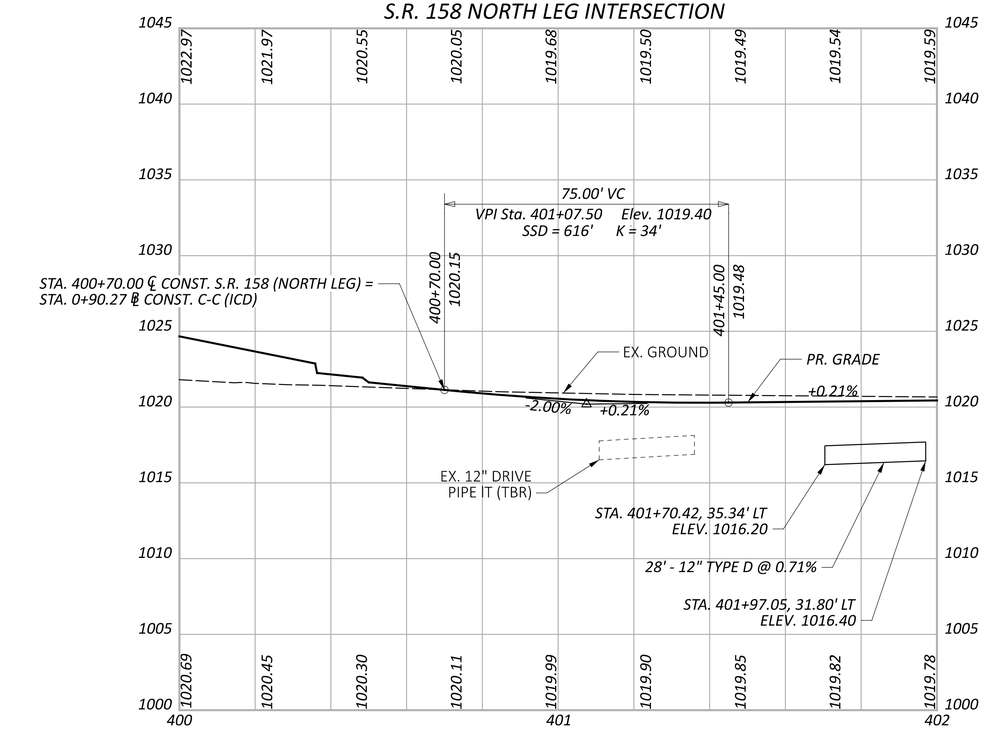
FAI-158-4.20

MODEL: Roundabout - Profile [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:50:28 AM USER: PatelV2
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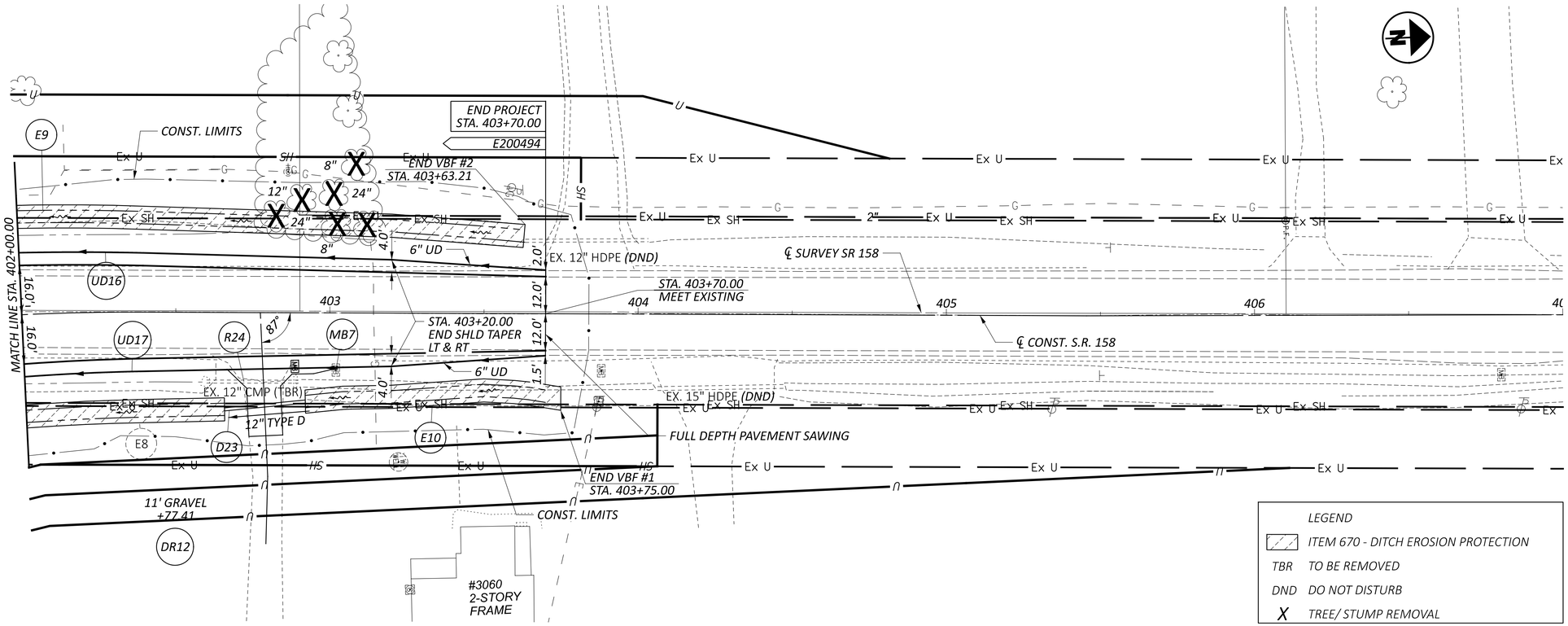
HORIZONTAL SCALE IN FEET
0 10 20 40

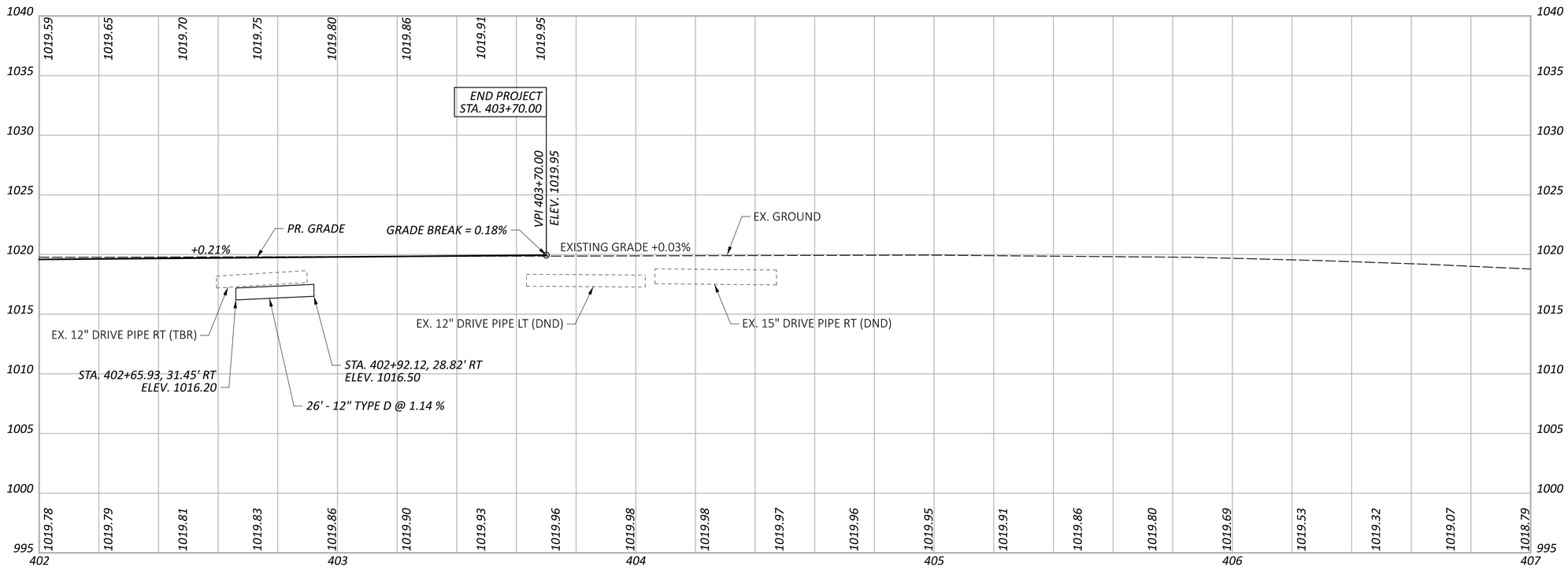
ROUNDABOUT APPROACH PROFILE STA. 0+00 TO STA. 4+25

DESIGN AGENCY	AECOM
DESIGNER	VHP
REVIEWER	NSP 06/03/25
PROJECT ID	111621
SHEET	P.35
TOTAL	127

FAI-158-4.20

MODEL: Roundabout - Profile-1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 9:26:29 AM USER: PatelV2
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\111621\402 Engineering_AECOM\Roadway\Sheets\111621_GP001.dgn





NOTES:

FOR S.R. 158 CROSS SECTIONS, SEE SHEETS P.59 - P.62.

FOR DRIVEWAY PROFILE, SEE SHEET P.95 .

FOR ESTIMATED QUANTITIES, SEE SHEETS P.23 - P.30 .

HORIZONTAL SCALE IN FEET
0 10 20 40

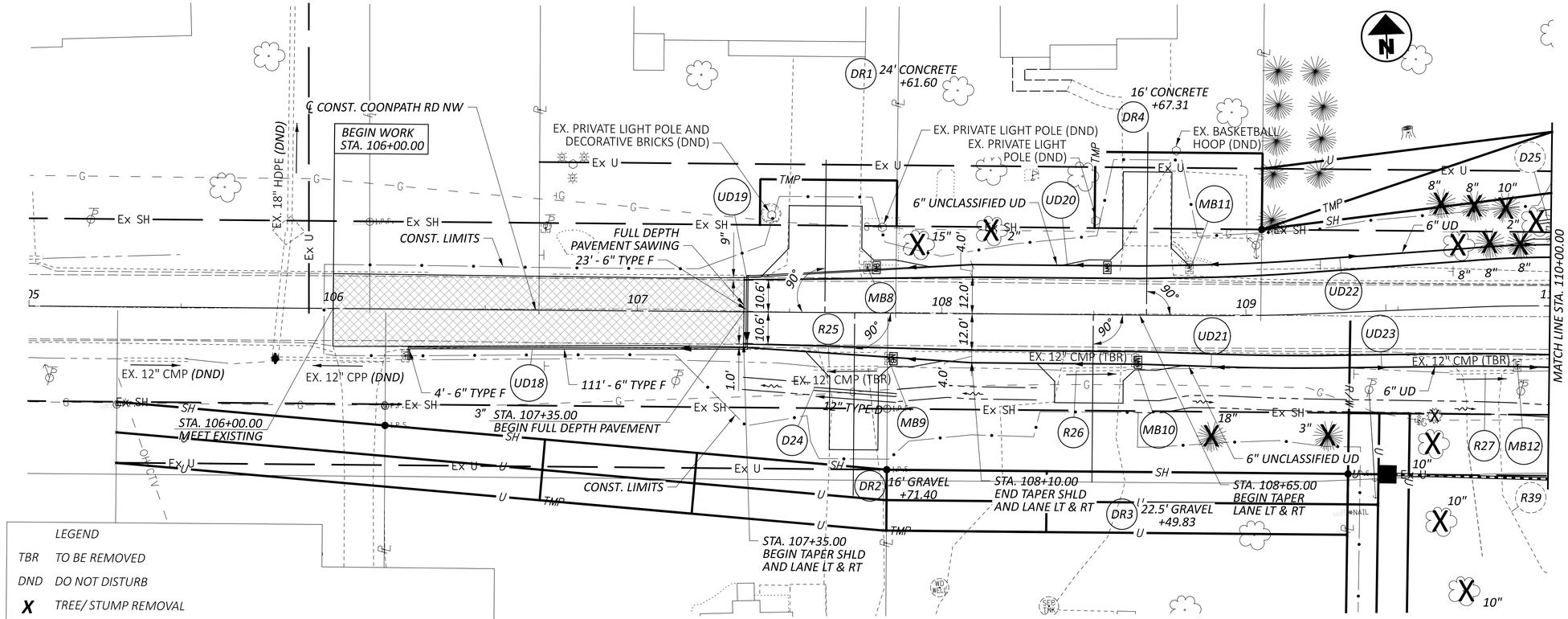
S.R. 158 PLAN AND PROFILE STA. 402+00 TO END WORK

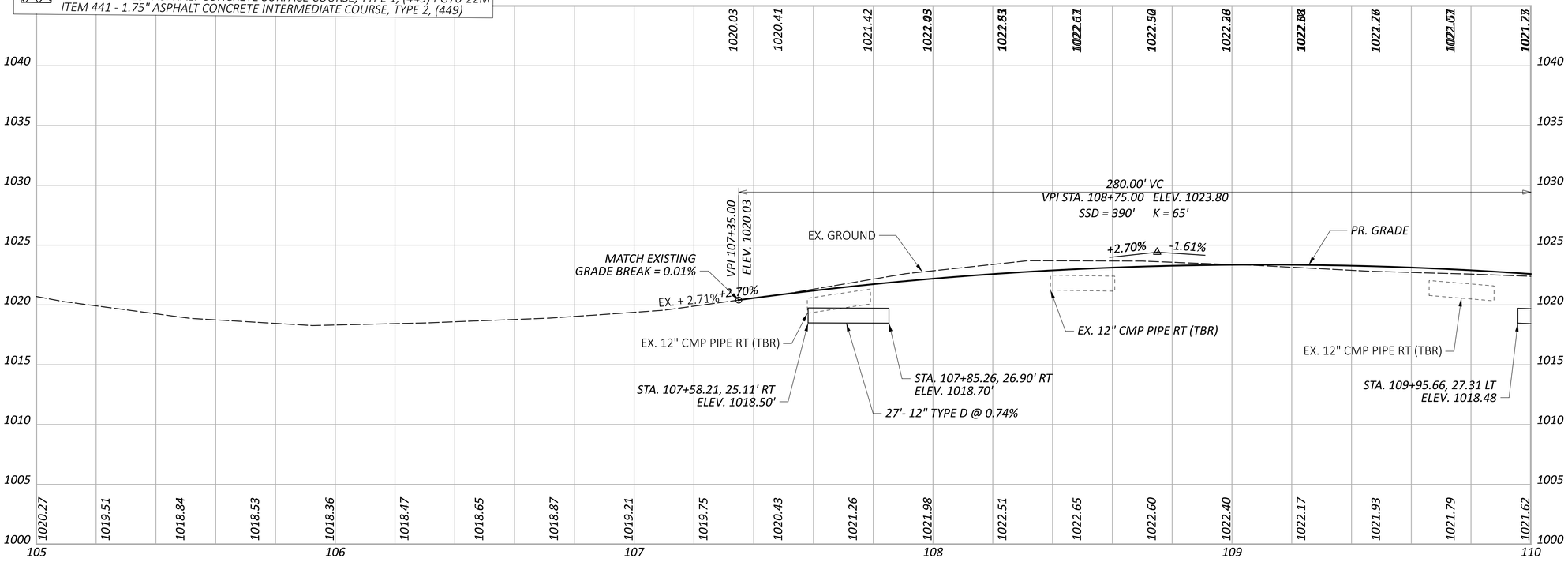
DESIGN AGENCY
AECOM

DESIGNER VHP
REVIEWER NSP 06/03/25
PROJECT ID 111621
SHEET P.36 TOTAL 127

FAI-158-4.20

MODEL: CLP_North_Leg - Plan [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 9:22:30 AM USER: PatelV2
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NOTES:

FOR ESTIMATED QUANTITIES, SEE SHEETS P.23 -P.30.

FOR COONPATH RD NW (WEST LEG) CROSS SECTIONS, SEE SHEETS P.63 -P.68

FOR DRIVEWAY PROFILES, SEE SHEET P.94 .

HORIZONTAL SCALE IN FEET
0 10 20 40

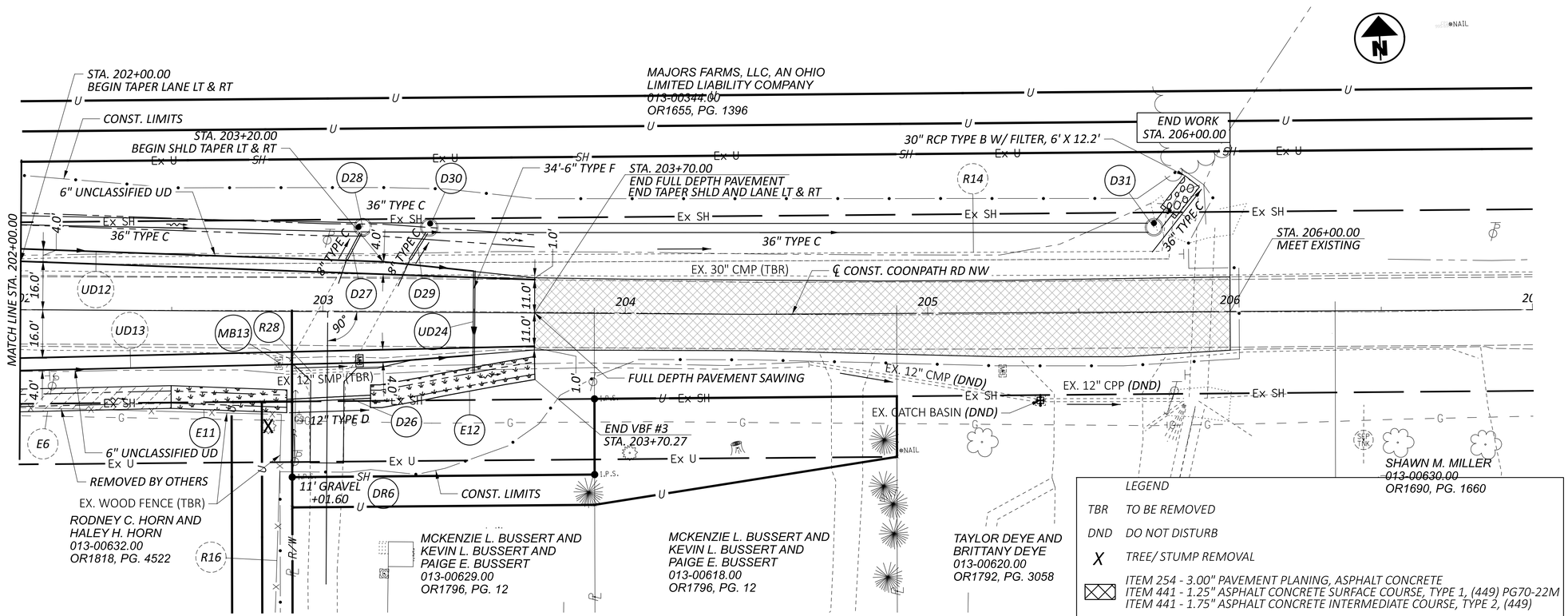
COONPATH RD PLAN AND PROFILE BEGIN WORK TO STA. 110+00

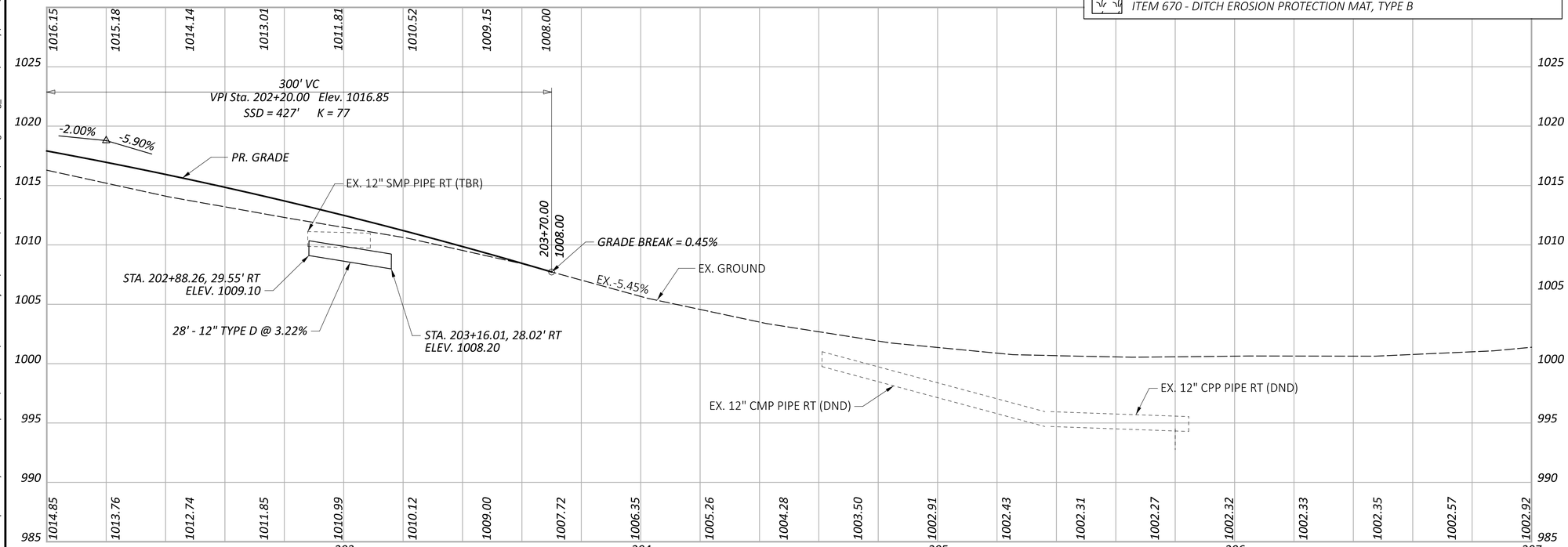
DESIGN AGENCY
AECOM

DESIGNER VHP
REVIEWER NSP 06/03/25
PROJECT ID 111621
SHEET P.37 TOTAL 127

FAI-158-4.20

MODEL: CLP_West_Leg - Plan [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:51:04 AM USER: PatelV2
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NOTES:

FOR ESTIMATED QUANTITIES, SEE SHEETS P.23 -P.30 .

FOR COONPATH RD NW (EAST LEG) CROSS SECTIONS, SEE SHEETS P.76 -P.83

FOR DRIVEWAY PROFILE, SEE SHEET P.94 .

FOR STORM SEWER PROFILES, SEE SHEET P.98 .

HORIZONTAL SCALE IN FEET
0 10 20 40

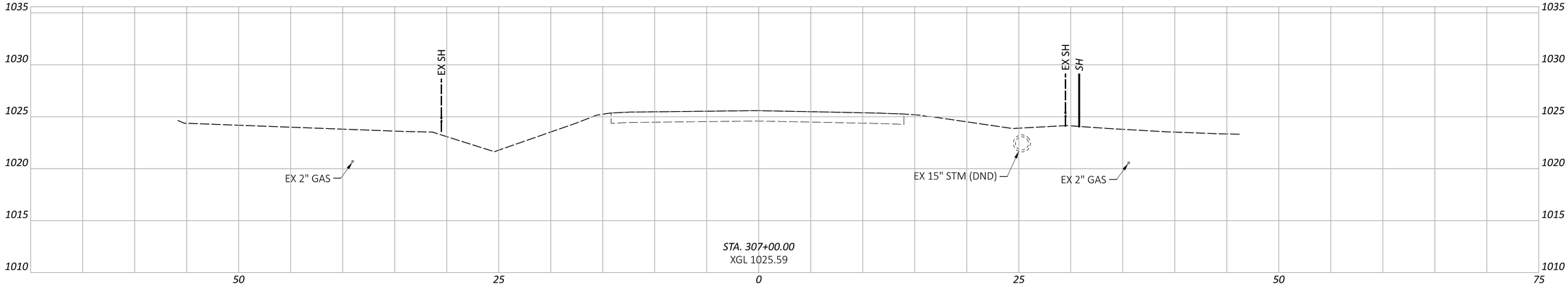
COONPATH RD PLAN AND PROFILE STA. 202+00 TO END WORK

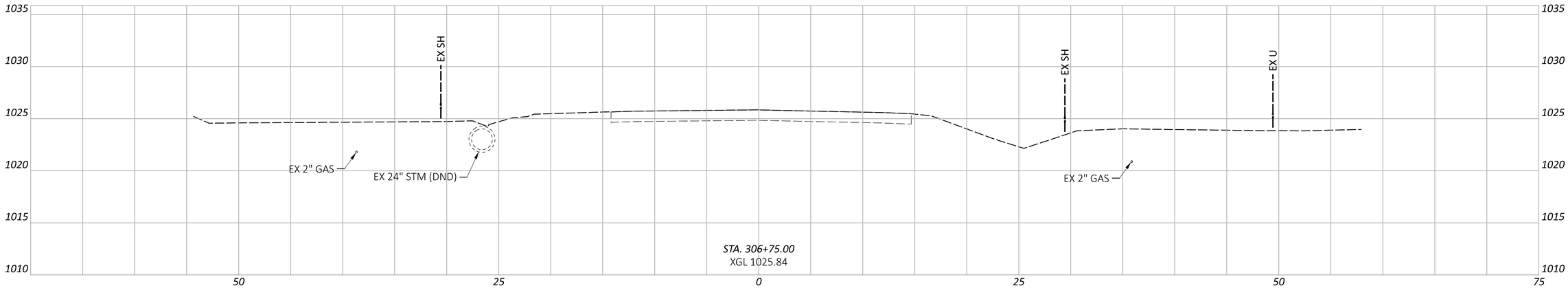
DESIGN AGENCY
AECOM

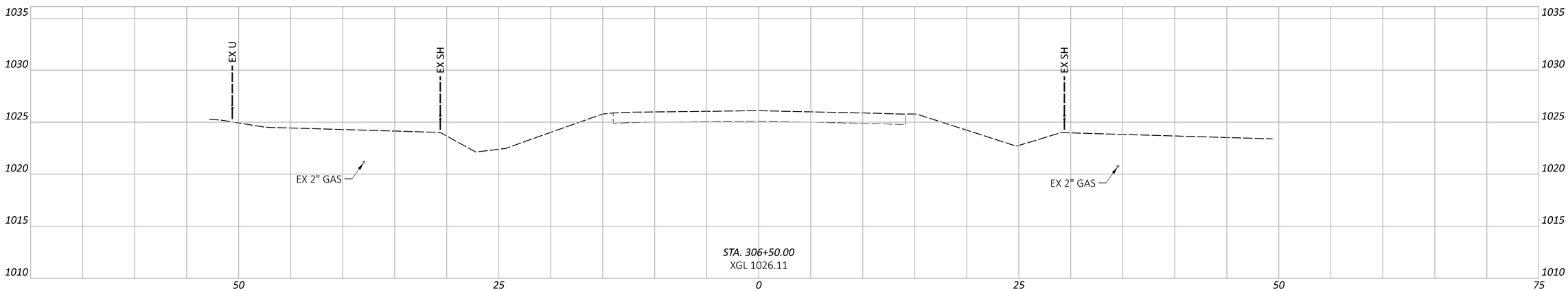
DESIGNER VHP
REVIEWER NSP 06/03/25
PROJECT ID 111621
SHEET P.38 TOTAL 127

FAI-158-4.20

MODEL: CLP_East_Leg - Plan [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/2/2025 TIME: 9:00:28 AM USER: PatelV2
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CROSS SECTIONS - S.R. 158 (SOUTH LEG)
STA. 306+50 - 307+00

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

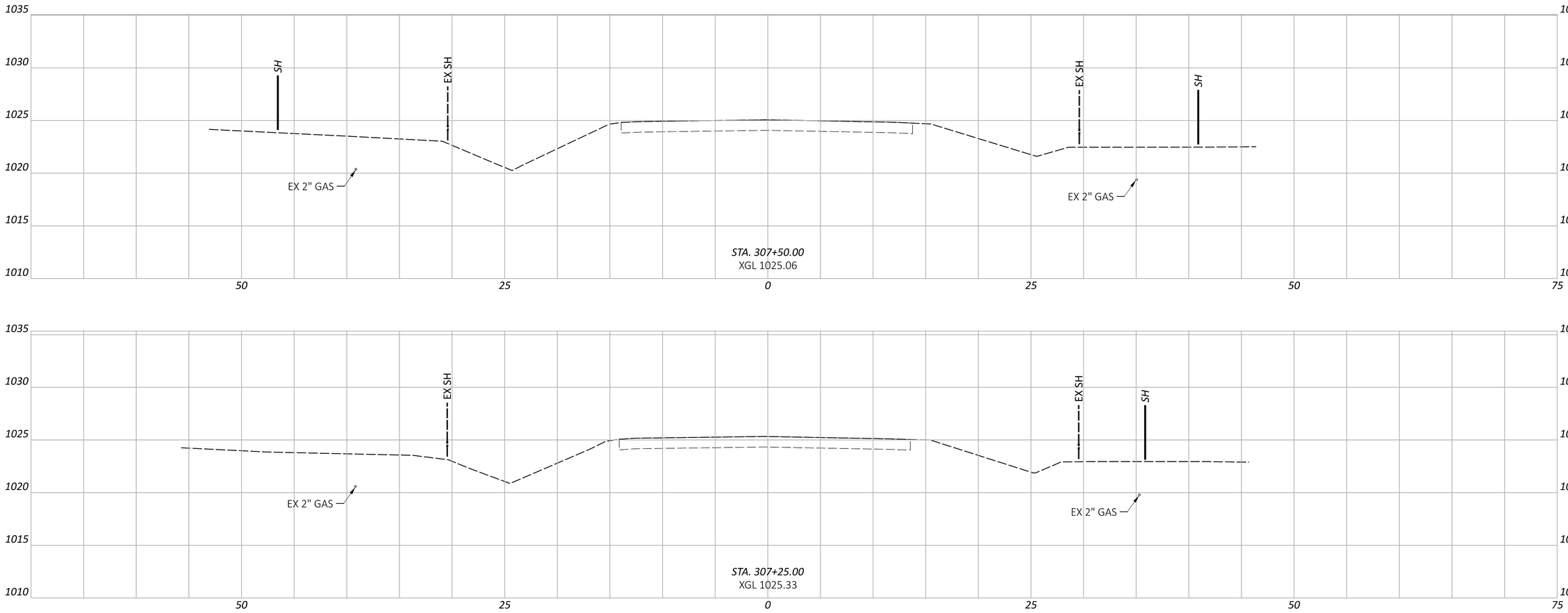
PROJECT ID
111621

Sheet Totals		
Seeding	Cut	Fill
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SHEET	TOTAL
P.39	127

FAI-158-4.20

MODEL: CLP_South_Leg - 306+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:51:31 AM USER: PateiV2
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CROSS SECTIONS - S.R. 158 (SOUTH LEG)
STA. 307+25 - 307+50

FAI-158-4.20

MODEL: CLP_South_Leg - 307+25.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:51:34 AM USER: PateV2
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Sheet Totals		
Seeding	Cut	Fill
0	0	0

DESIGN AGENCY
AECOM

DESIGNER
VHP

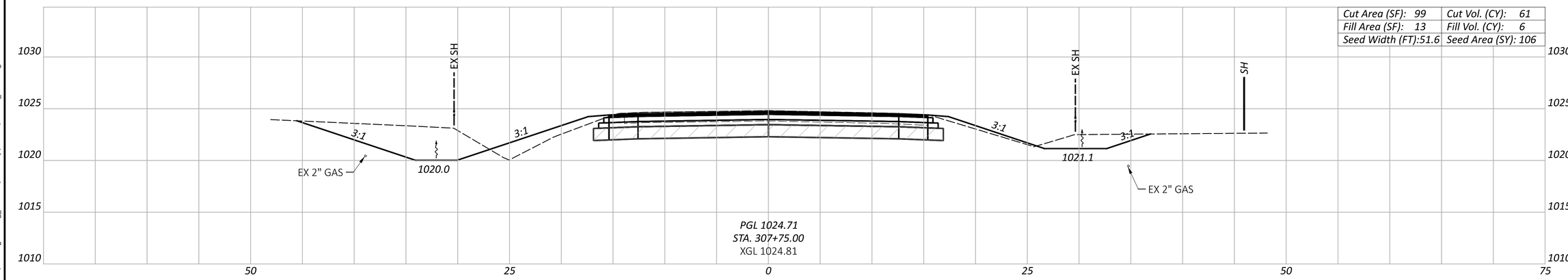
REVIEWER
NSP 06/03/25

PROJECT ID
111621

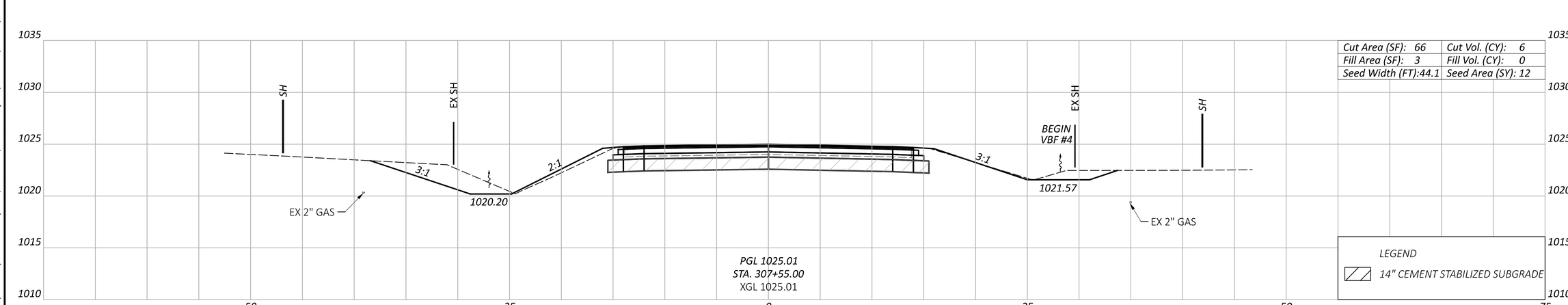
SHEET P.40 TOTAL 127

NOTE:
SHEET TOTALS CARRIED TO SHEET P.83 .

Cut Area (SF): 99	Cut Vol. (CY): 61
Fill Area (SF): 13	Fill Vol. (CY): 6
Seed Width (FT):51.6	Seed Area (SY): 106



Cut Area (SF): 66	Cut Vol. (CY): 6
Fill Area (SF): 3	Fill Vol. (CY): 0
Seed Width (FT):44.1	Seed Area (SY): 12



Sheet Totals		
Seeding	Cut	Fill
118	67	6

CROSS SECTIONS - S.R. 158 (SOUTH LEG)
STA. 307+55 - 307+75

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

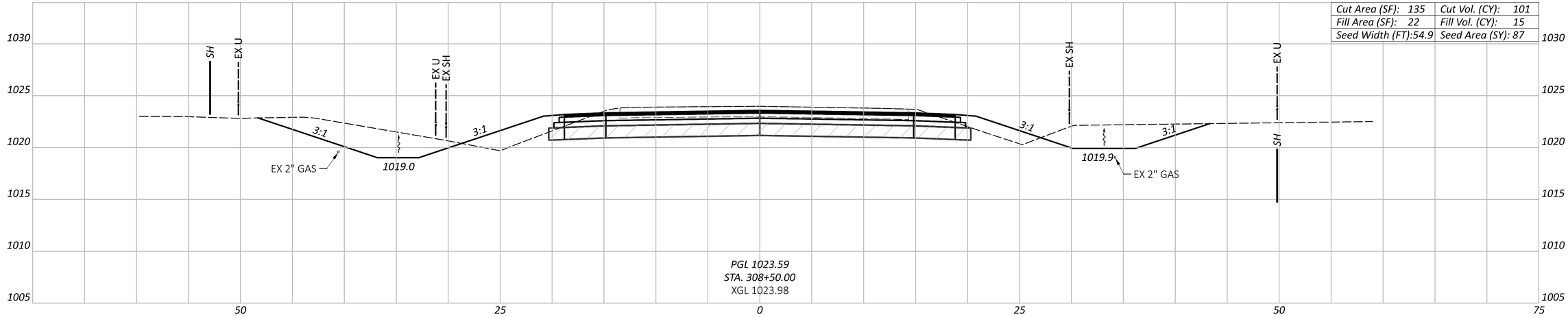
PROJECT ID
111621

SHEET P.41 TOTAL 127

FAI-158-4.20

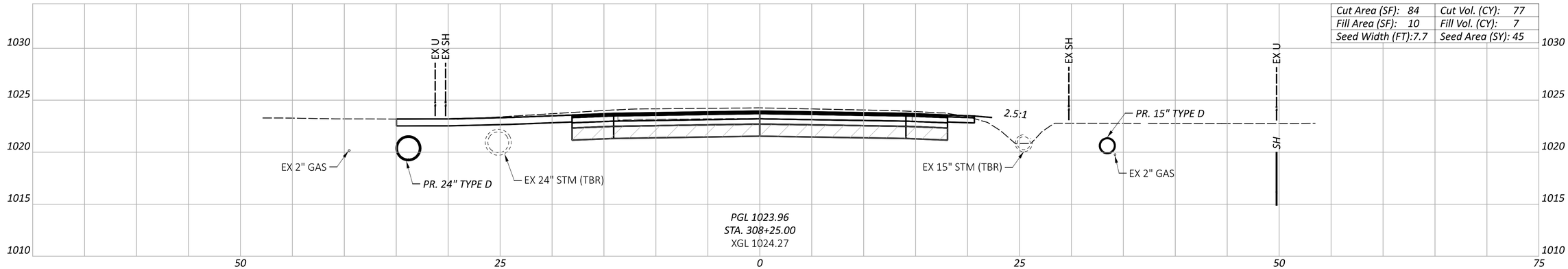
MODEL: CLP_South_Leg - 307+55.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:51:35 AM USER: PatelV2
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NOTE:
SHEET TOTALS CARRIED TO SHEET P.83 .



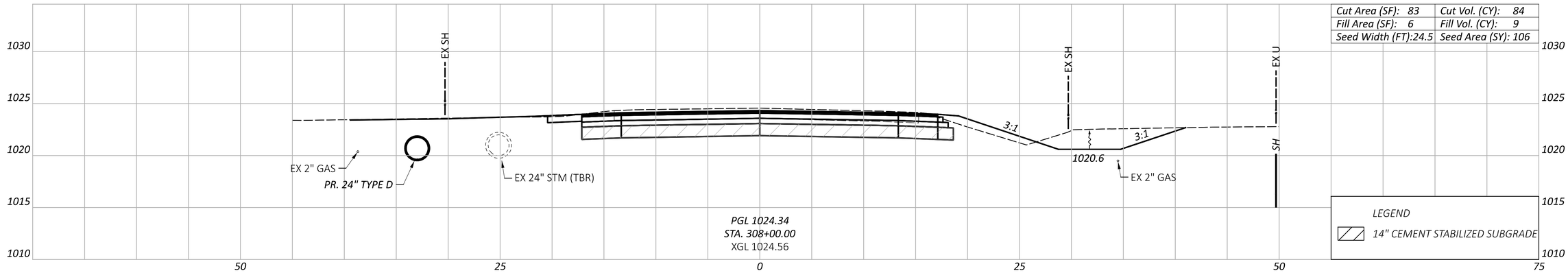
Cut Area (SF): 135	Cut Vol. (CY): 101
Fill Area (SF): 22	Fill Vol. (CY): 15
Seed Width (FT):54.9	Seed Area (SY): 87

PGL 1023.59
STA. 308+50.00
XGL 1023.98



Cut Area (SF): 84	Cut Vol. (CY): 77
Fill Area (SF): 10	Fill Vol. (CY): 7
Seed Width (FT):7.7	Seed Area (SY): 45

PGL 1023.96
STA. 308+25.00
XGL 1024.27



Cut Area (SF): 83	Cut Vol. (CY): 84
Fill Area (SF): 6	Fill Vol. (CY): 9
Seed Width (FT):24.5	Seed Area (SY): 106

PGL 1024.34
STA. 308+00.00
XGL 1024.56

CROSS SECTIONS - S.R. 158 (SOUTH LEG)
STA. 308+00 - 308+50

Sheet Totals		
Seeding	Cut	Fill
238	262	31

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

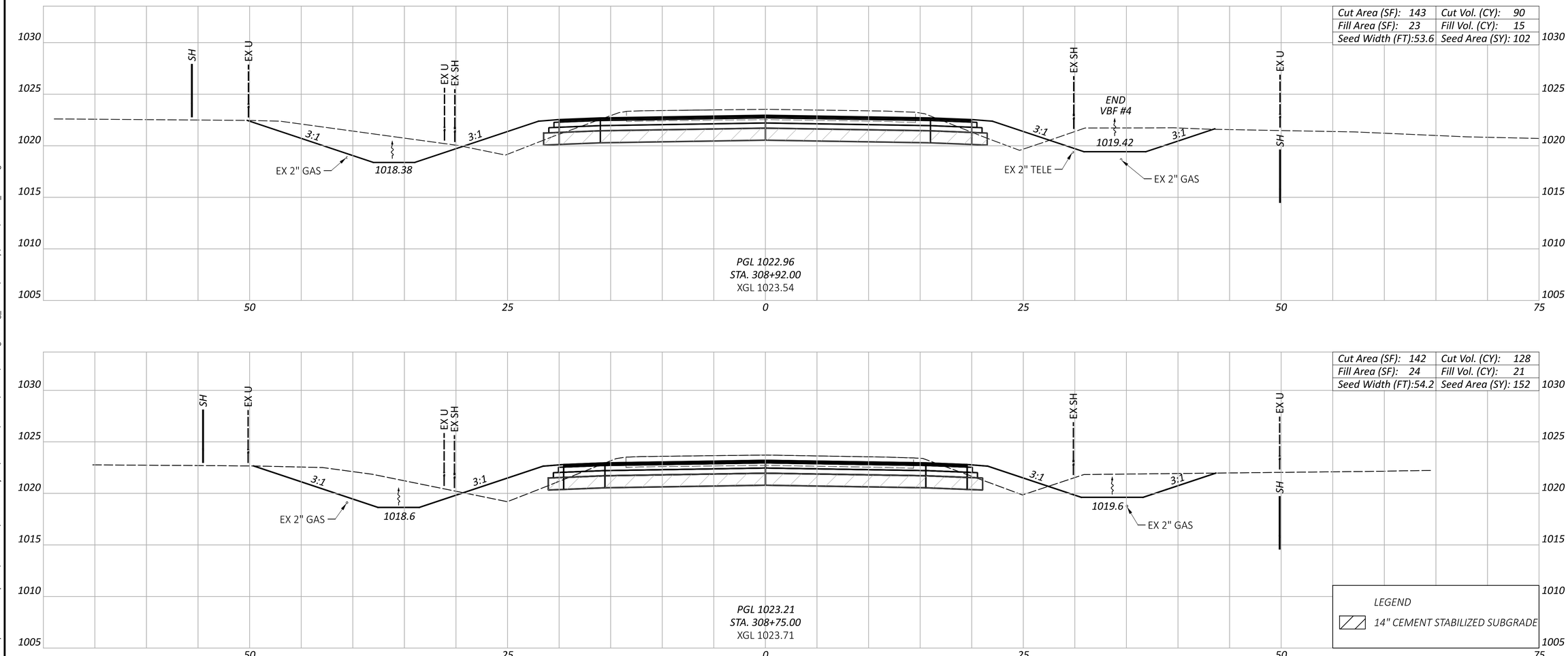
PROJECT ID
111621

SHEET P.42 TOTAL 127

FAI-158-4.20

MODEL: CLP_South_Leg - 308+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:51:37 AM USER: PatelV2
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NOTE:
SHEET TOTALS CARRIED TO SHEET P.83 .



CROSS SECTIONS - S.R. 158 (SOUTH LEG)
STA. 308+75 - 308+92

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

PROJECT ID
111621

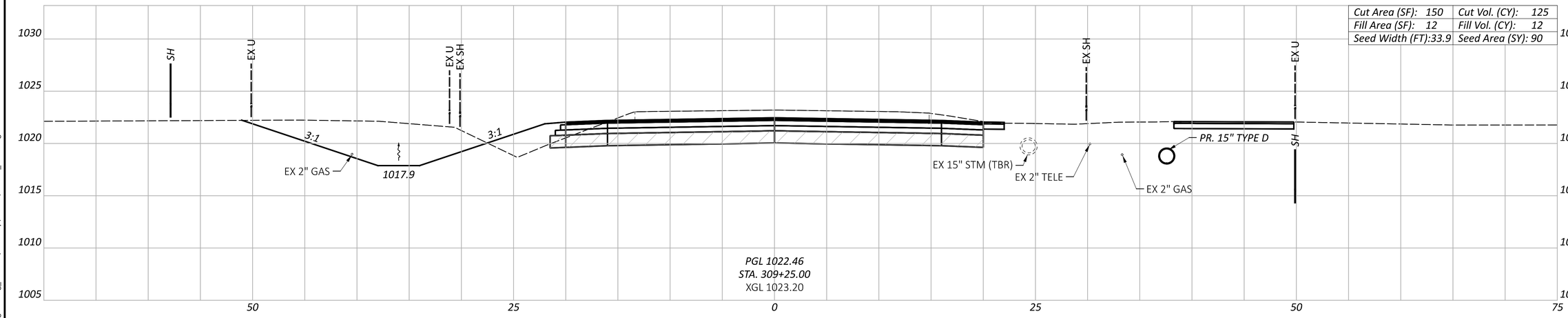
SHEET P.43 TOTAL 127

Sheet Totals		
Seeding	Cut	Fill
254	218	36

FAI-158-4.20

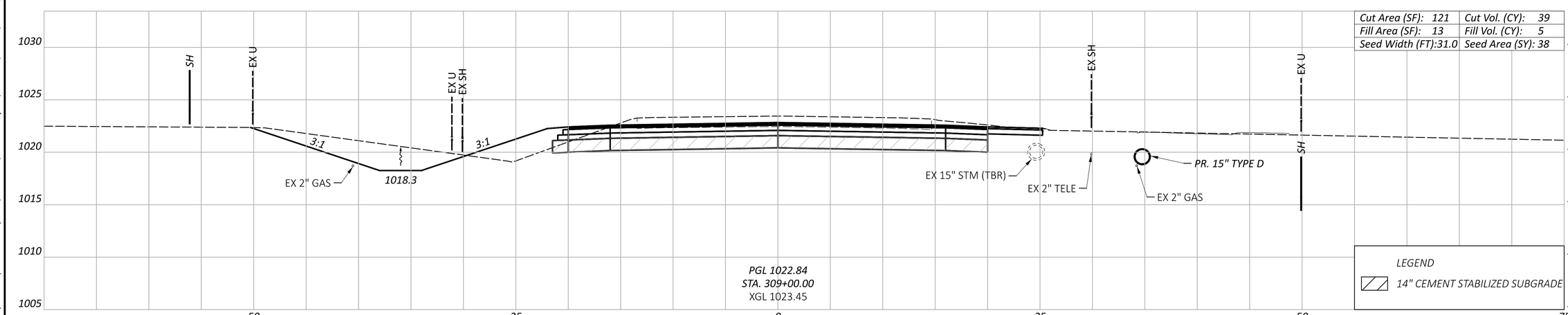
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NOTE:
SHEET TOTALS CARRIED TO SHEET P.83 .



Cut Area (SF): 150	Cut Vol. (CY): 125
Fill Area (SF): 12	Fill Vol. (CY): 12
Seed Width (FT):33.9	Seed Area (SY): 90

PGL 1022.46
STA. 309+25.00
XGL 1023.20



Cut Area (SF): 121	Cut Vol. (CY): 39
Fill Area (SF): 13	Fill Vol. (CY): 5
Seed Width (FT):31.0	Seed Area (SY): 38

PGL 1022.84
STA. 309+00.00
XGL 1023.45

LEGEND
14" CEMENT STABILIZED SUBGRADE

Sheet Totals		
Seeding	Cut	Fill
128	164	17

CROSS SECTIONS - S.R. 158 (SOUTH LEG)
STA. 309+00 - 309+25

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

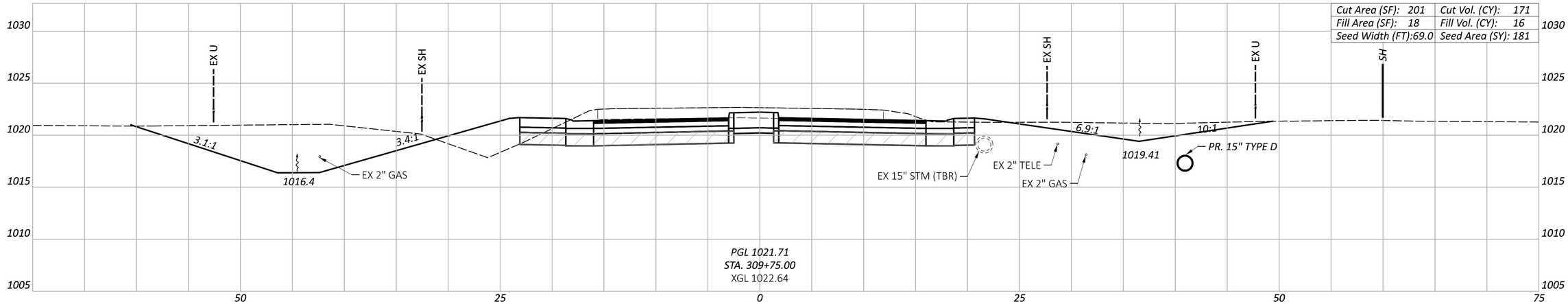
PROJECT ID
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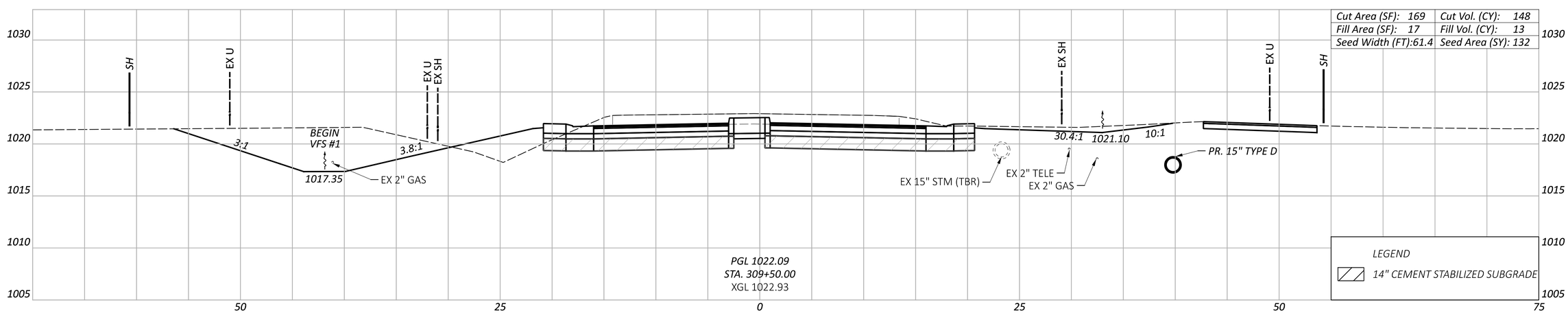
SHEET P.44 TOTAL 127

FAI-158-4.20

MODEL: CLP_South_Leg - 309+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:51:40 AM USER: PatelV2
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NOTE:
SHEET TOTALS CARRIED TO SHEET P.83 .





CROSS SECTIONS - S.R. 158 (SOUTH LEG)
STA. 309+50 - 309+75

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

PROJECT ID
111621

SHEET	TOTAL
P.45	127

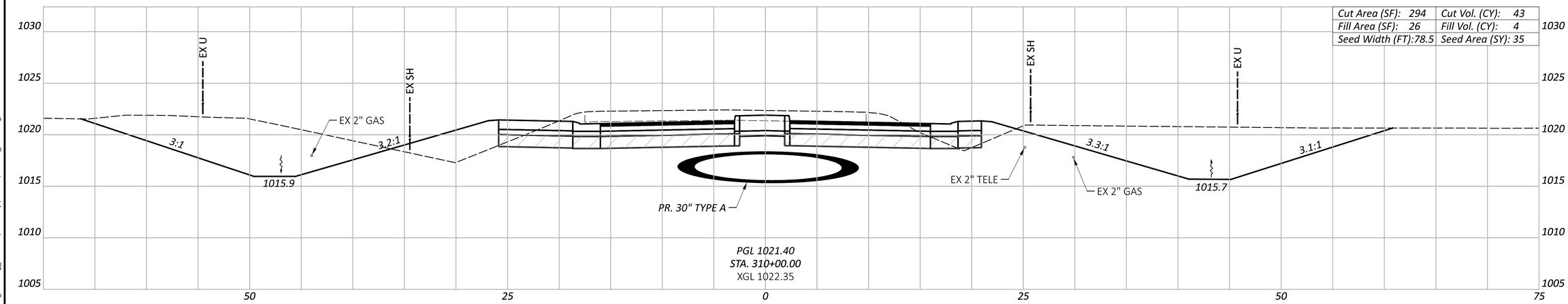
Sheet Totals		
Seeding	Cut	Fill
313	319	29

FAI-158-4.20

MODEL: CLP_South_Leg - 309+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:51:41 AM USER: PatelV2
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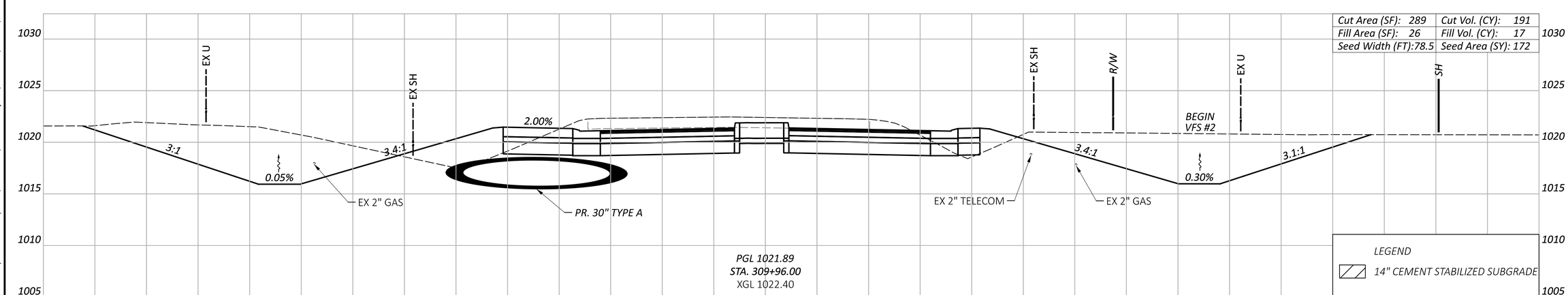
NOTE:
SHEET TOTALS CARRIED TO SHEET P.83 .

Cut Area (SF): 294	Cut Vol. (CY): 43
Fill Area (SF): 26	Fill Vol. (CY): 4
Seed Width (FT):78.5	Seed Area (SY): 35



PGL 1021.40
STA. 310+00.00
XGL 1022.35

Cut Area (SF): 289	Cut Vol. (CY): 191
Fill Area (SF): 26	Fill Vol. (CY): 17
Seed Width (FT):78.5	Seed Area (SY): 172



PGL 1021.89
STA. 309+96.00
XGL 1022.40

Sheet Totals		
Seeding	Cut	Fill
207	234	21

FAI-158-4.20

MODEL: CLP_South_Leg - 309+96.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:51:43 AM USER: PatelV2
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CROSS SECTIONS - S.R. 158 (SOUTH LEG)
STA. 309+96 - 310+00

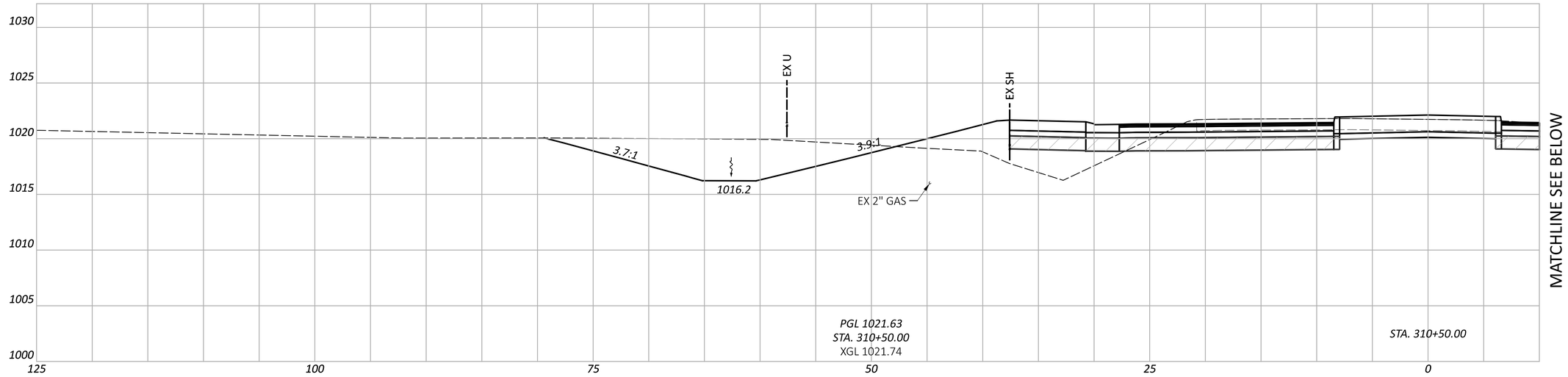
DESIGN AGENCY
AECOM

DESIGNER
VHP

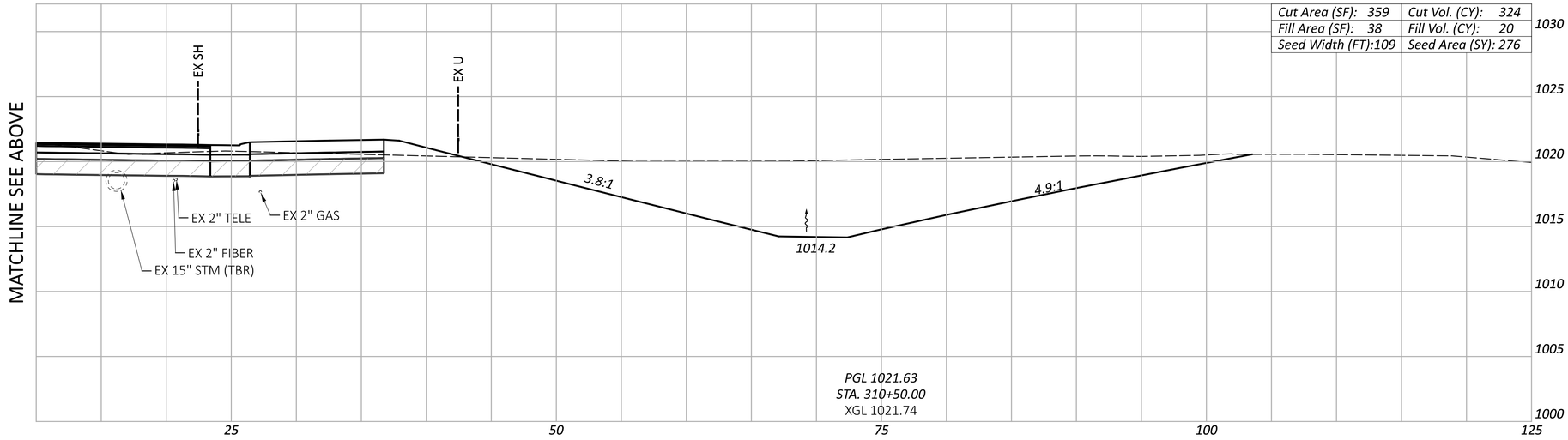
REVIEWER
NSP 06/03/25

PROJECT ID
111621

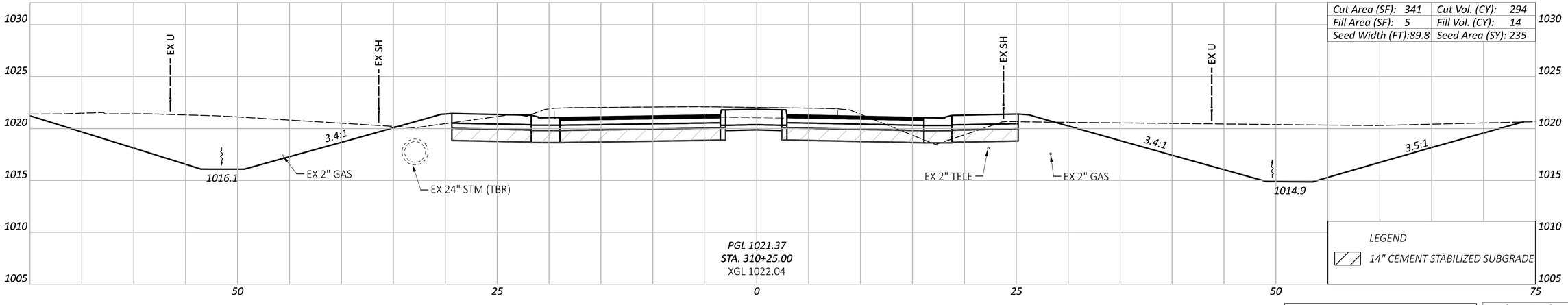
SHEET P.46 TOTAL 127



Cut Area (SF): 359	Cut Vol. (CY): 324
Fill Area (SF): 38	Fill Vol. (CY): 20
Seed Width (FT):109	Seed Area (SY): 276



Cut Area (SF): 341	Cut Vol. (CY): 294
Fill Area (SF): 5	Fill Vol. (CY): 14
Seed Width (FT):89.8	Seed Area (SY): 235



NOTE:
SHEET TOTALS CARRIED TO SHEET P.83 .

Sheet Totals		
Seeding	Cut	Fill
511	618	34

CROSS SECTIONS - S.R. 158 (SOUTH LEG)
STA. 310+25 - 310+58.26

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

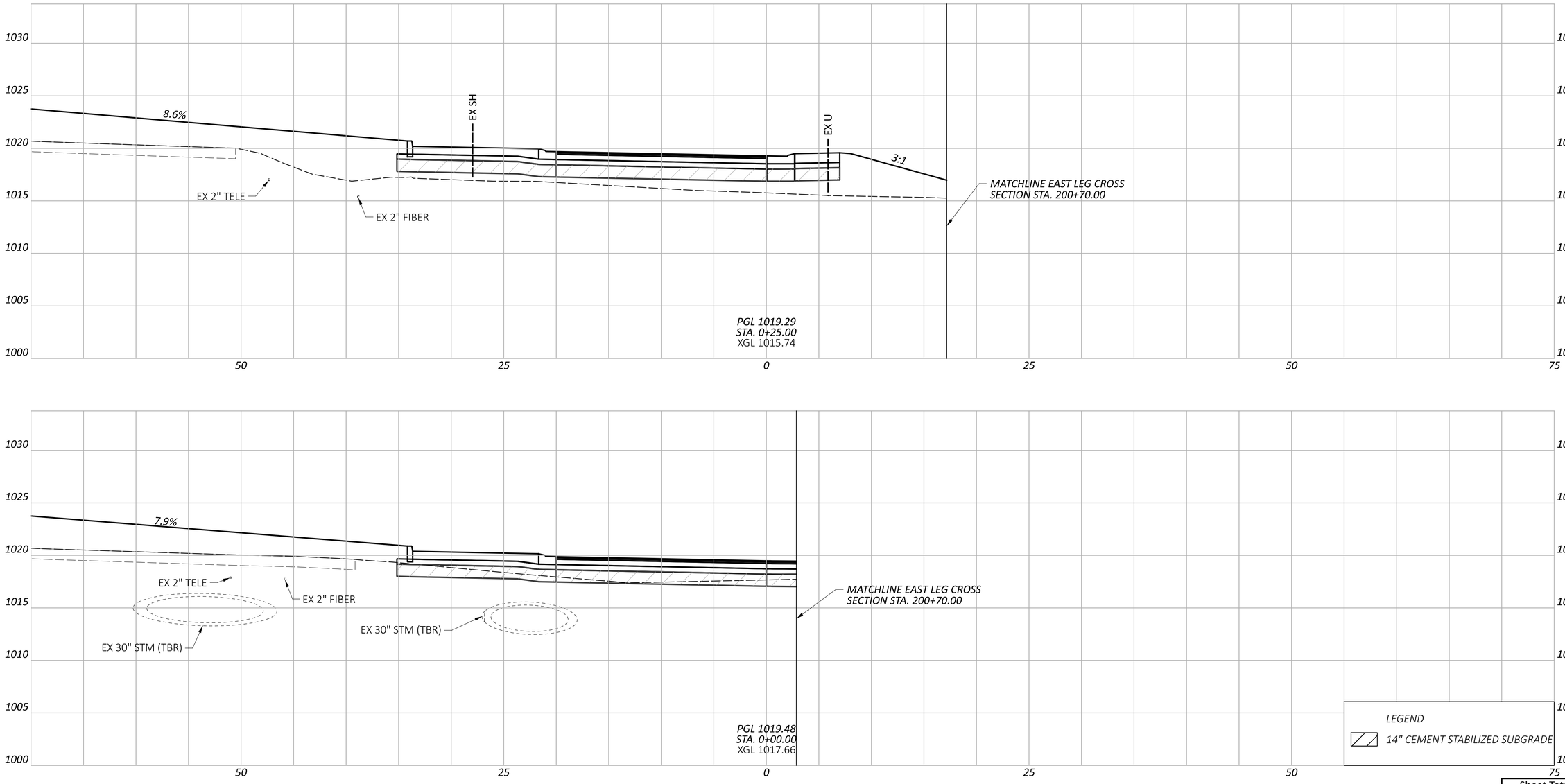
PROJECT ID
111621

SHEET P.47 TOTAL 127

FAI-158-4.20

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NOTE: SECTIONS SHOWN FOR INFORMATION ONLY. FOR EARTHWORK AND SEEDING QUANTITIES, SEE SHEET P.83 .



CROSS SECTIONS - PROP. ROUNDABOUT
STA. 0+00 - 0+25

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

PROJECT ID
111621

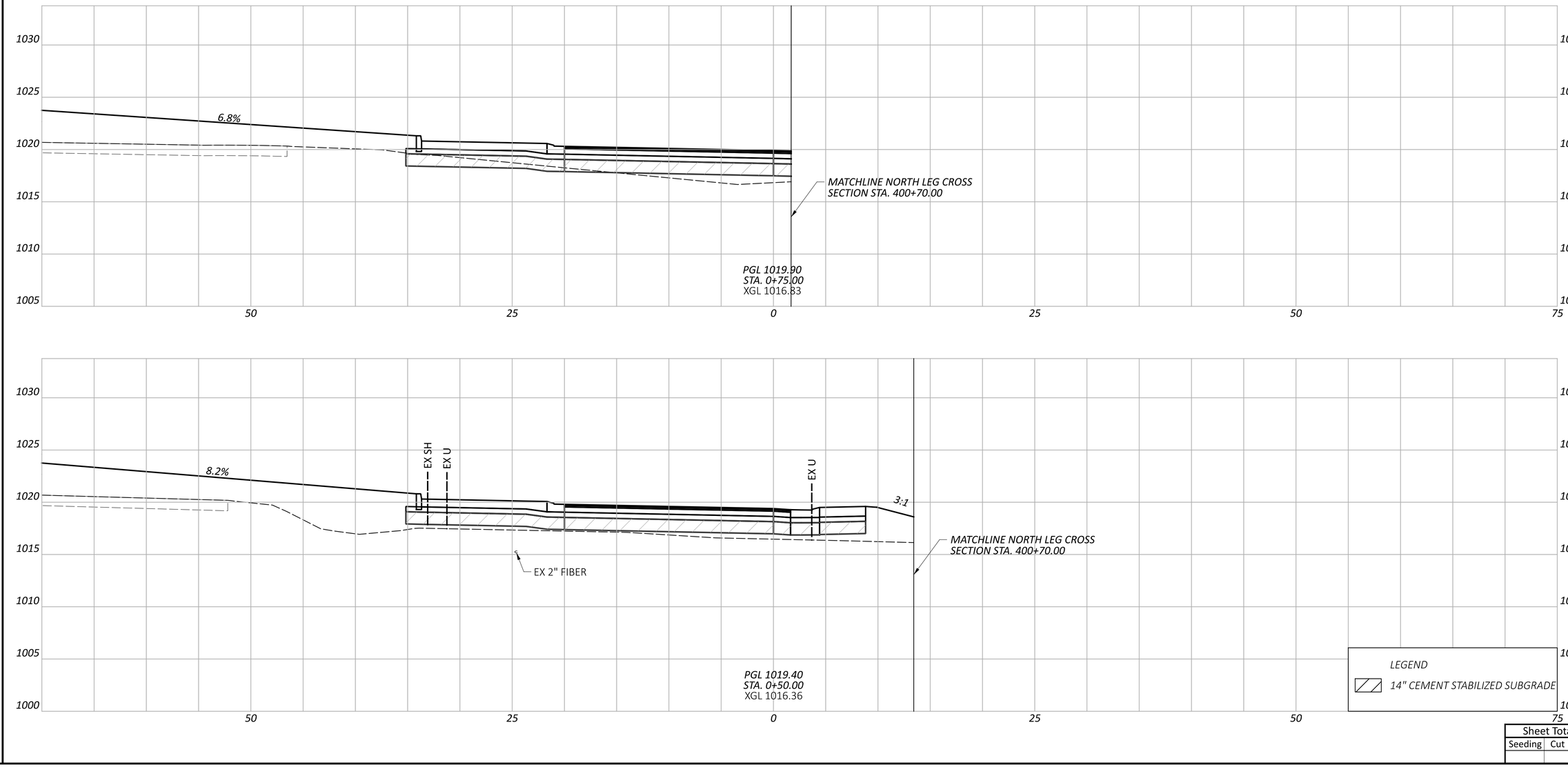
Sheet Totals		
Seeding	Cut	Fill

SHEET P.48 TOTAL 127

FAI-158-4.20

MODEL: CLP_ICD - 0+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:52:06 AM USER: PatelV2
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NOTE: SECTIONS SHOWN FOR INFORMATION ONLY. FOR EARTHWORK AND SEEDING QUANTITIES, SEE SHEET P.83 .



CROSS SECTIONS - PROP. ROUNDABOUT STA. 0+50 - 0+75

Sheet Totals		
Seeding	Cut	Fill

DESIGN AGENCY: AECOM

DESIGNER: VHP

REVIEWER: NSP 06/03/25

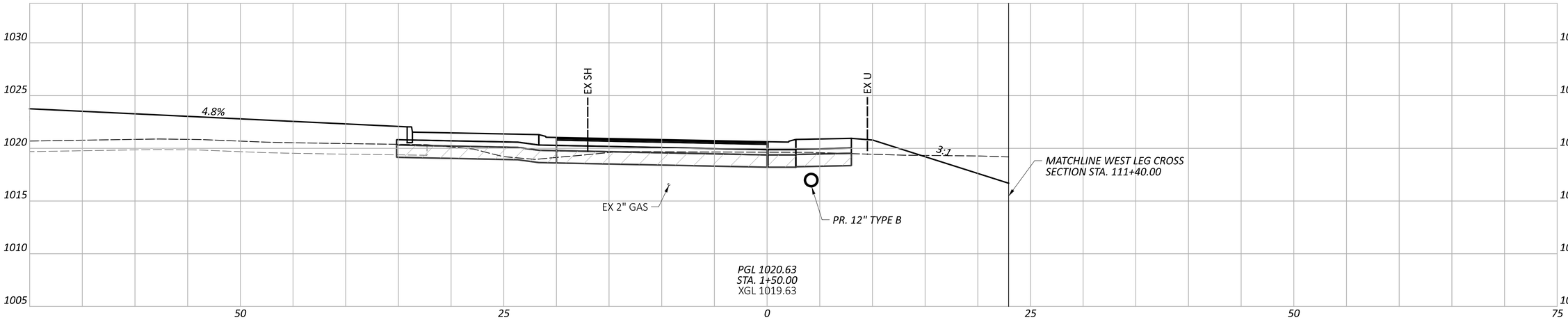
PROJECT ID: 111621

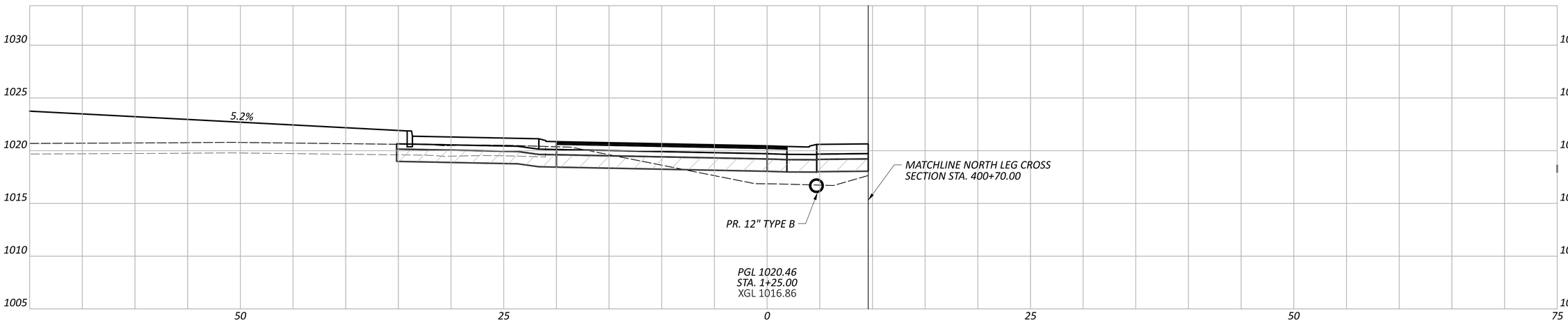
SHEET: P.49 TOTAL: 127

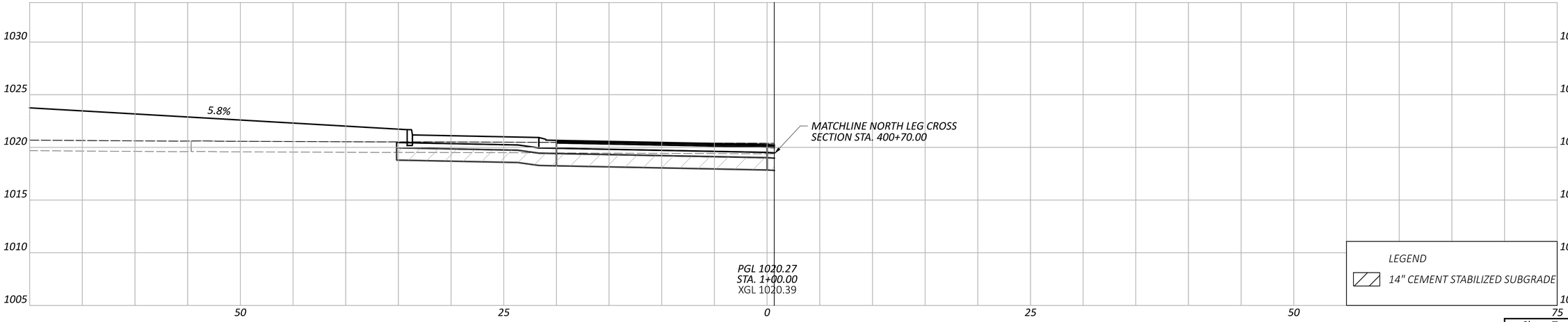
FAI-158-4.20

MODEL: CLP_ICD - 0+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:52:11 AM USER: PatelV2
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NOTE: *SECTIONS SHOWN FOR INFORMATION ONLY. FOR EARTHWORK AND SEEDING QUANTITIES, SEE SHEET P.83 .*







CROSS SECTIONS - PROP. ROUNDABOUT
STA. 1+00 - 1+50

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

PROJECT ID
111621

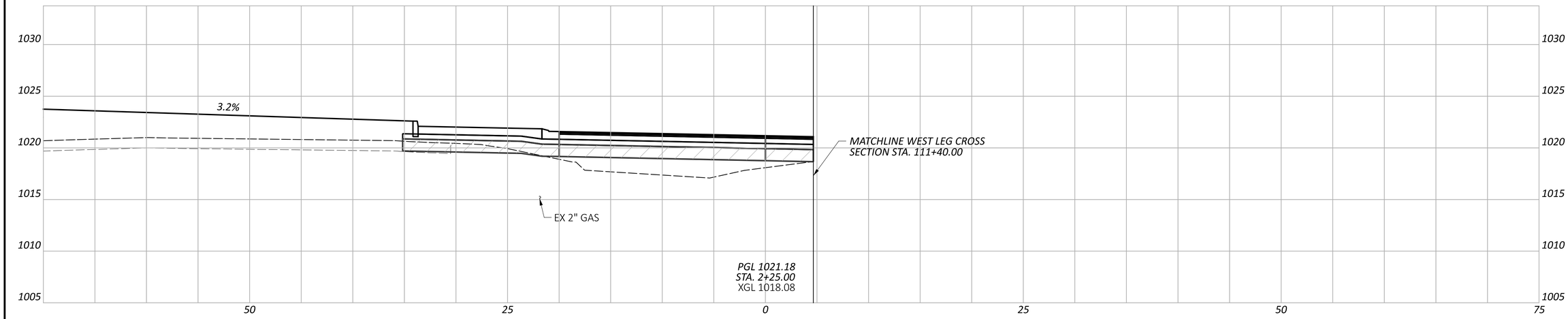
Sheet Totals		
Seeding	Cut	Fill

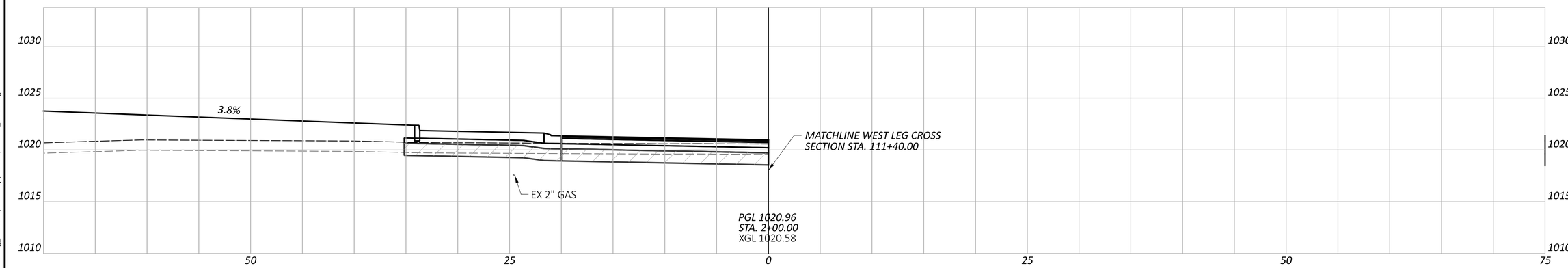
SHEET P.50 TOTAL 127

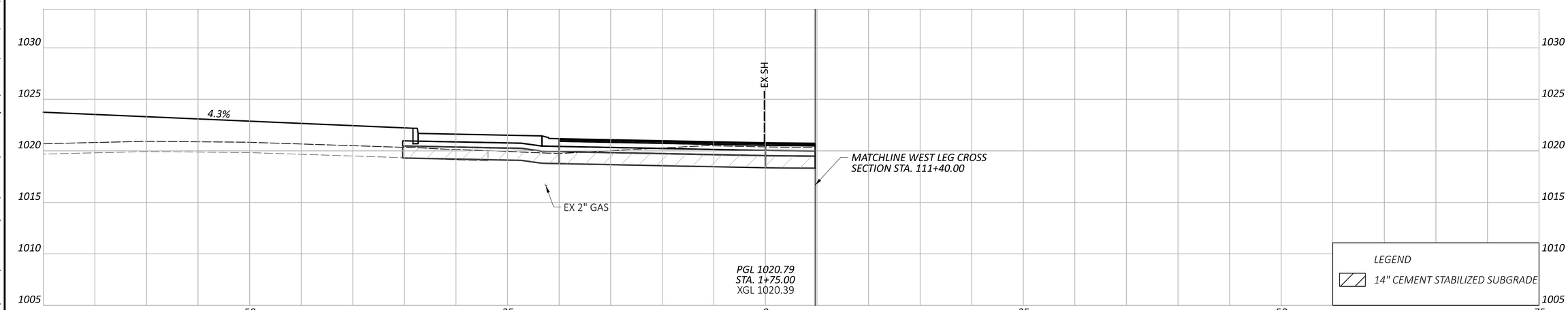
FAI-158-4.20

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NOTE: *SECTIONS SHOWN FOR INFORMATION ONLY. FOR EARTHWORK AND SEEDING QUANTITIES, SEE SHEET P.83 .*







CROSS SECTIONS - PROP. ROUNDABOUT
STA. 1+75 - 2+25

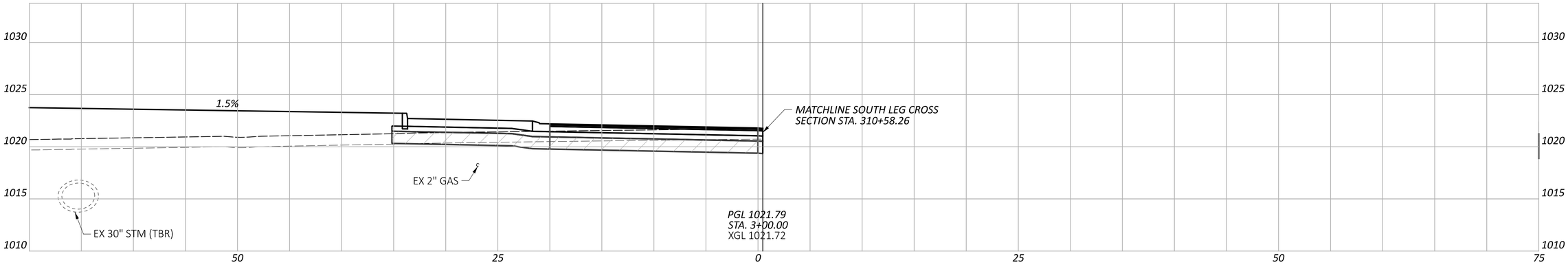
DESIGN AGENCY	AECOM
DESIGNER	VHP
REVIEWER	NSP 06/03/25
PROJECT ID	111621
SHEET	P.51
TOTAL	127

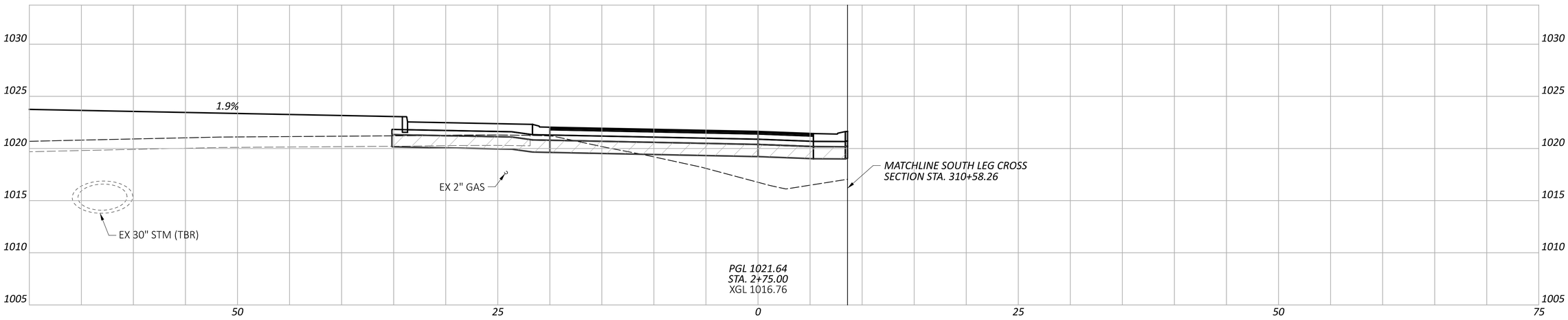
Sheet Totals		
Seeding	Cut	Fill

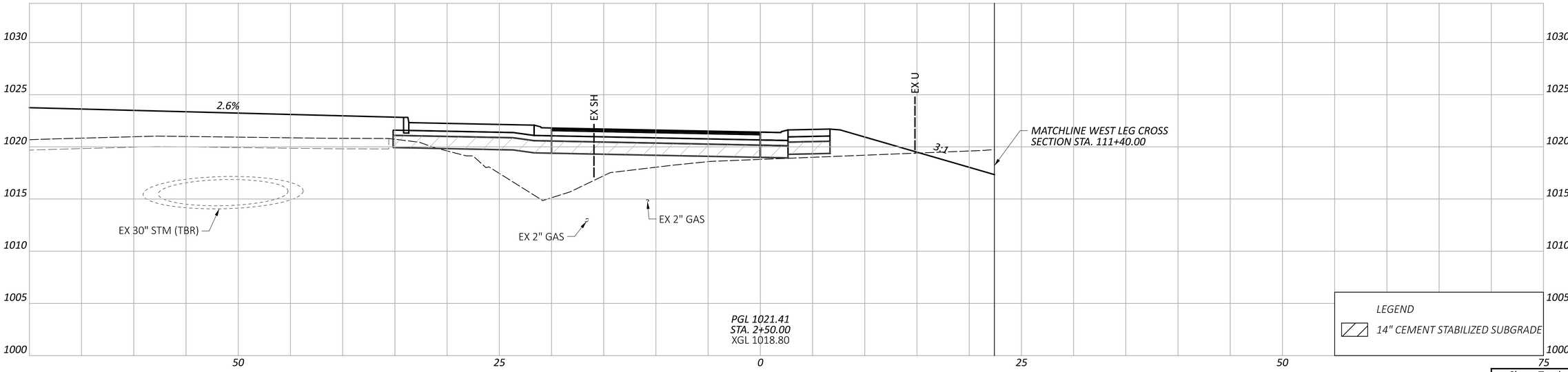
FAI-158-4.20

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NOTE: SECTIONS SHOWN FOR INFORMATION ONLY. FOR EARTHWORK AND SEEDING QUANTITIES, SEE SHEET P.83 .







CROSS SECTIONS - PROP. ROUNDABOUT
STA. 2+50 - 3+00

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

PROJECT ID
111621

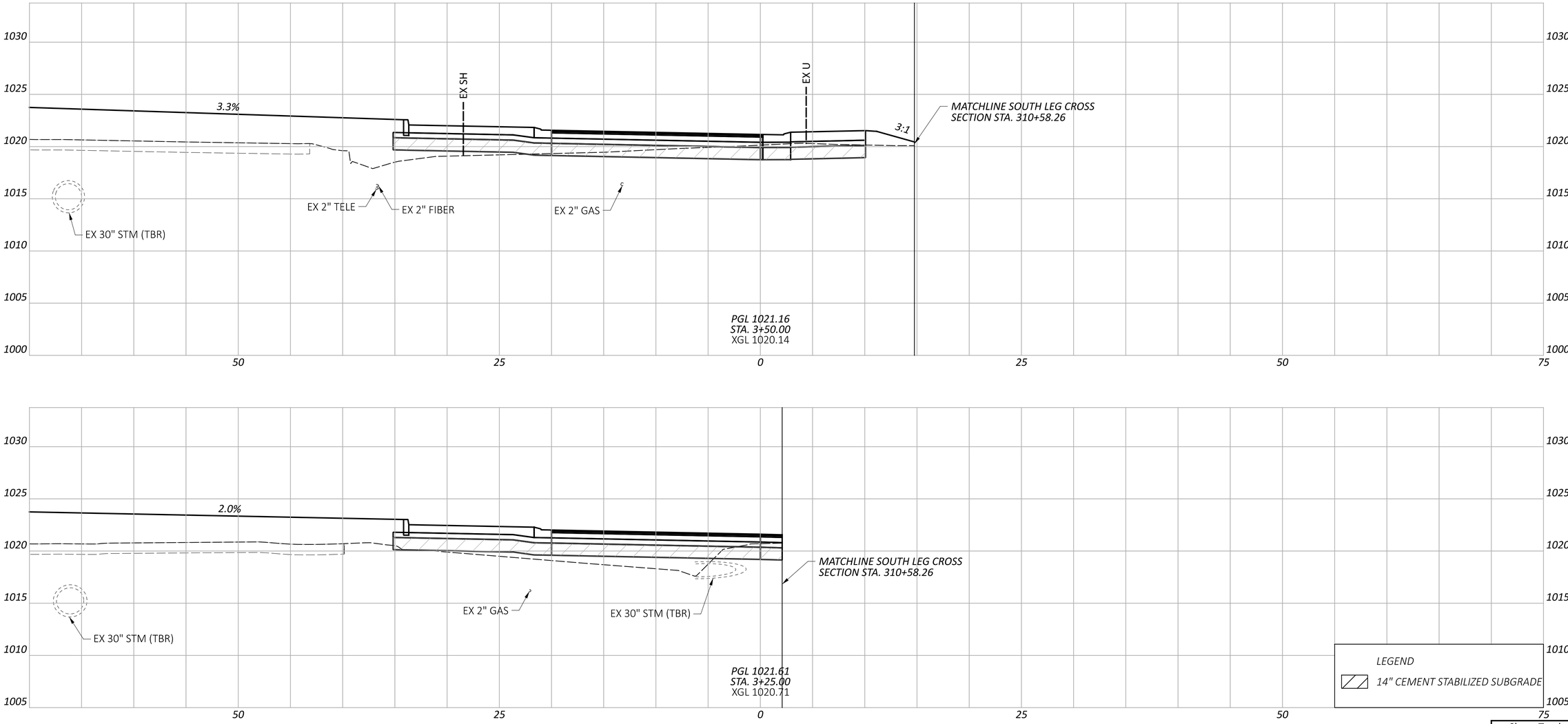
Sheet Totals		
Seeding	Cut	Fill

SHEET P.52 TOTAL 127

FAI-158-4.20

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NOTE: *SECTIONS SHOWN FOR INFORMATION ONLY. FOR EARTHWORK AND SEEDING QUANTITIES, SEE SHEET P.83 .*



FAI-158-4.20

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CROSS SECTIONS - PROP. ROUNDABOUT
STA. 3+25 - 3+50

DESIGN AGENCY
AECOM

DESIGNER
VHP

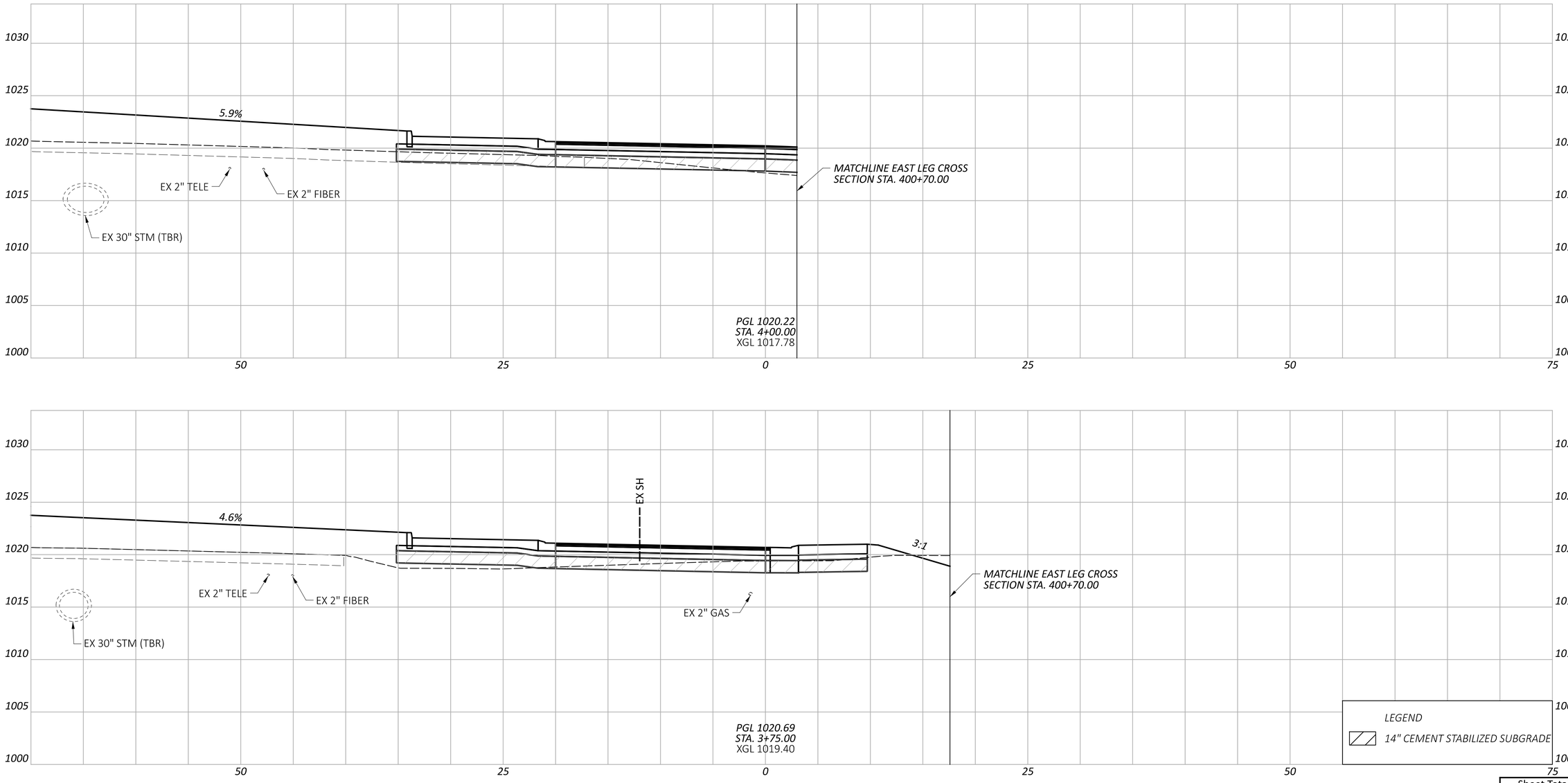
REVIEWER
NSP 06/03/25

PROJECT ID
111621

Sheet Totals		
Seeding	Cut	Fill

SHEET P.53 TOTAL 127

NOTE: SECTIONS SHOWN FOR INFORMATION ONLY. FOR EARTHWORK AND SEEDING QUANTITIES, SEE SHEET P.83 .



CROSS SECTIONS - PROP. ROUNDABOUT STA. 3+75 - 4+00

Sheet Totals		
Seeding	Cut	Fill

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

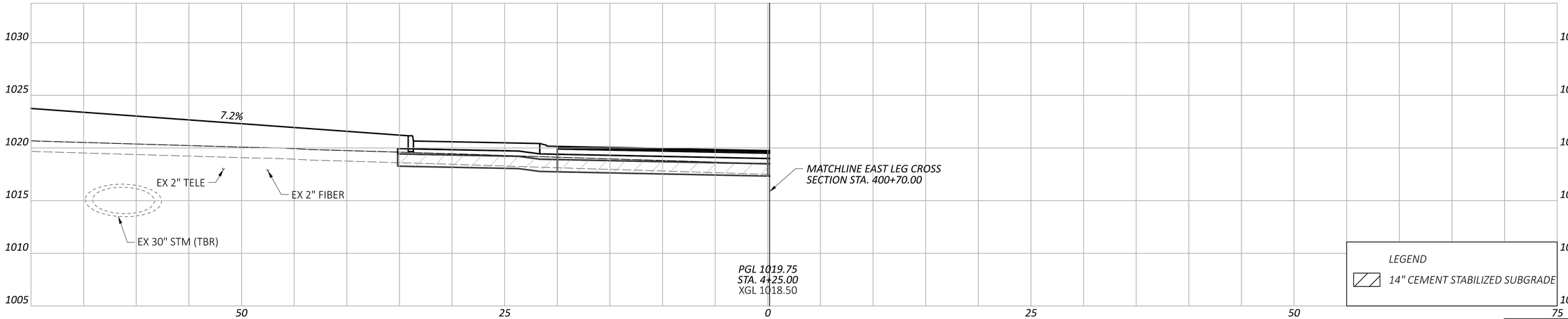
PROJECT ID
111621

SHEET P.54 TOTAL 127

FAI-158-4.20

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NOTE: SECTIONS SHOWN FOR INFORMATION ONLY. FOR EARTHWORK AND SEEDING QUANTITIES, SEE SHEET P.83 .



CROSS SECTIONS - PROP. ROUNDABOUT
STA. 4+25

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

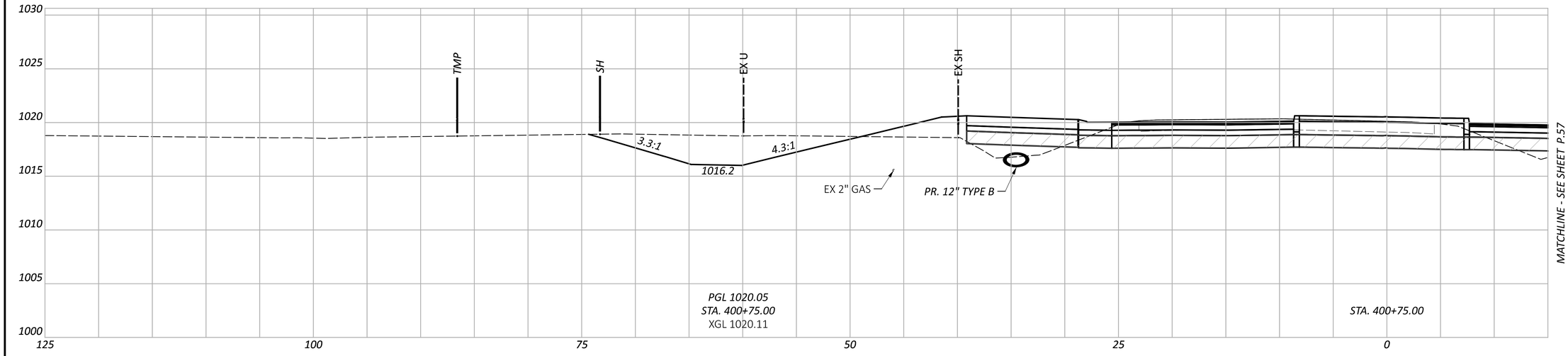
PROJECT ID
111621

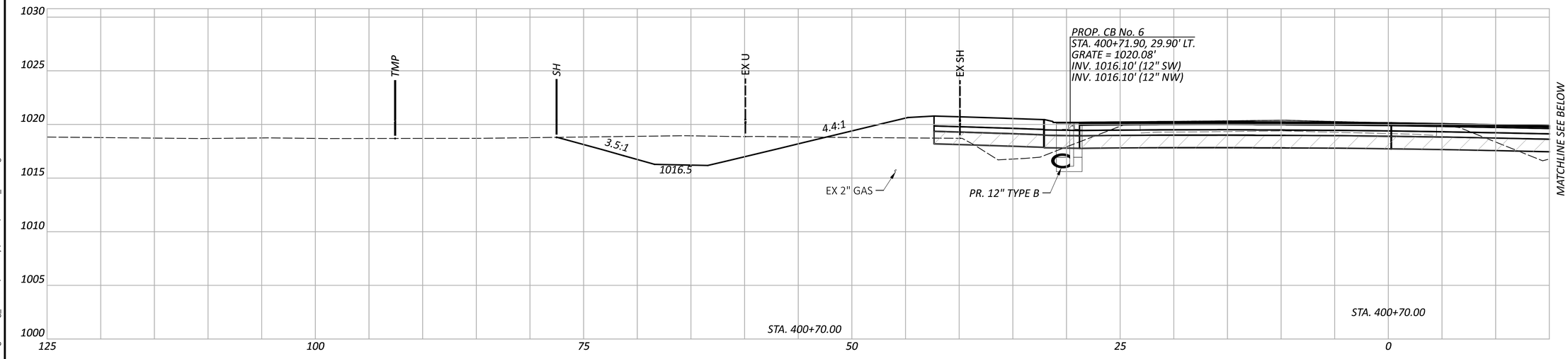
Sheet Totals		
Seeding	Cut	Fill

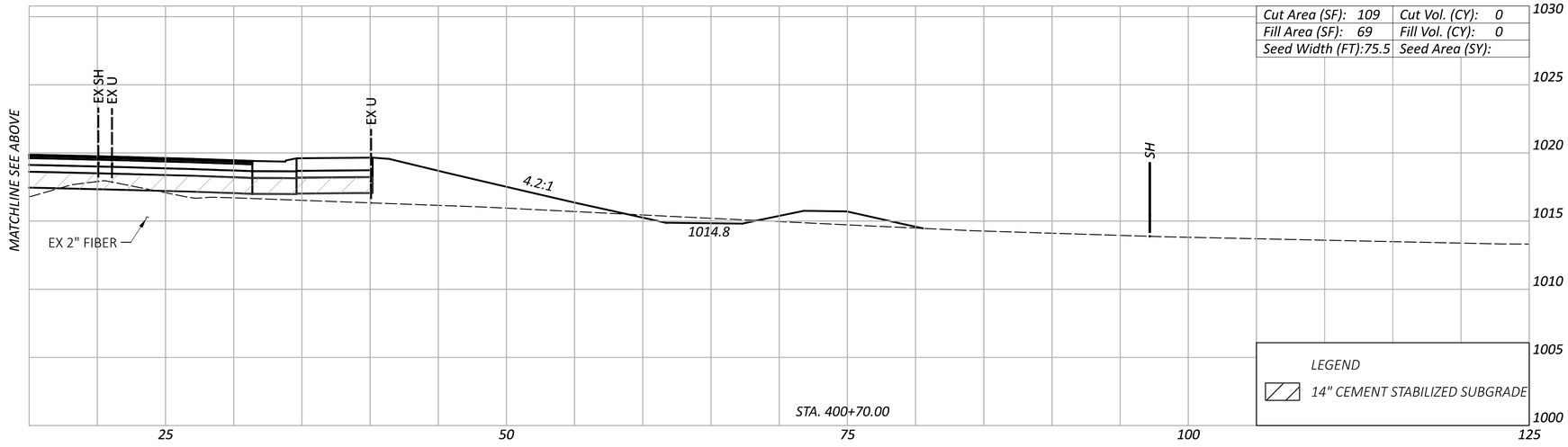
SHEET P.55 TOTAL 127

FAI-158-4.20

MODEL: CLP_ICD - 4+25.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:52:32 AM USER: PateIV2
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NOTE:
SHEET TOTALS CARRIED TO SHEET P.83 .

Sheet Totals		
Seeding	Cut	Fill
0	0	0

CROSS SECTIONS - S.R. 158 (NORTH LEG)
STA. 400+70 - 400+75

DESIGN AGENCY
AECOM

DESIGNER
VHP

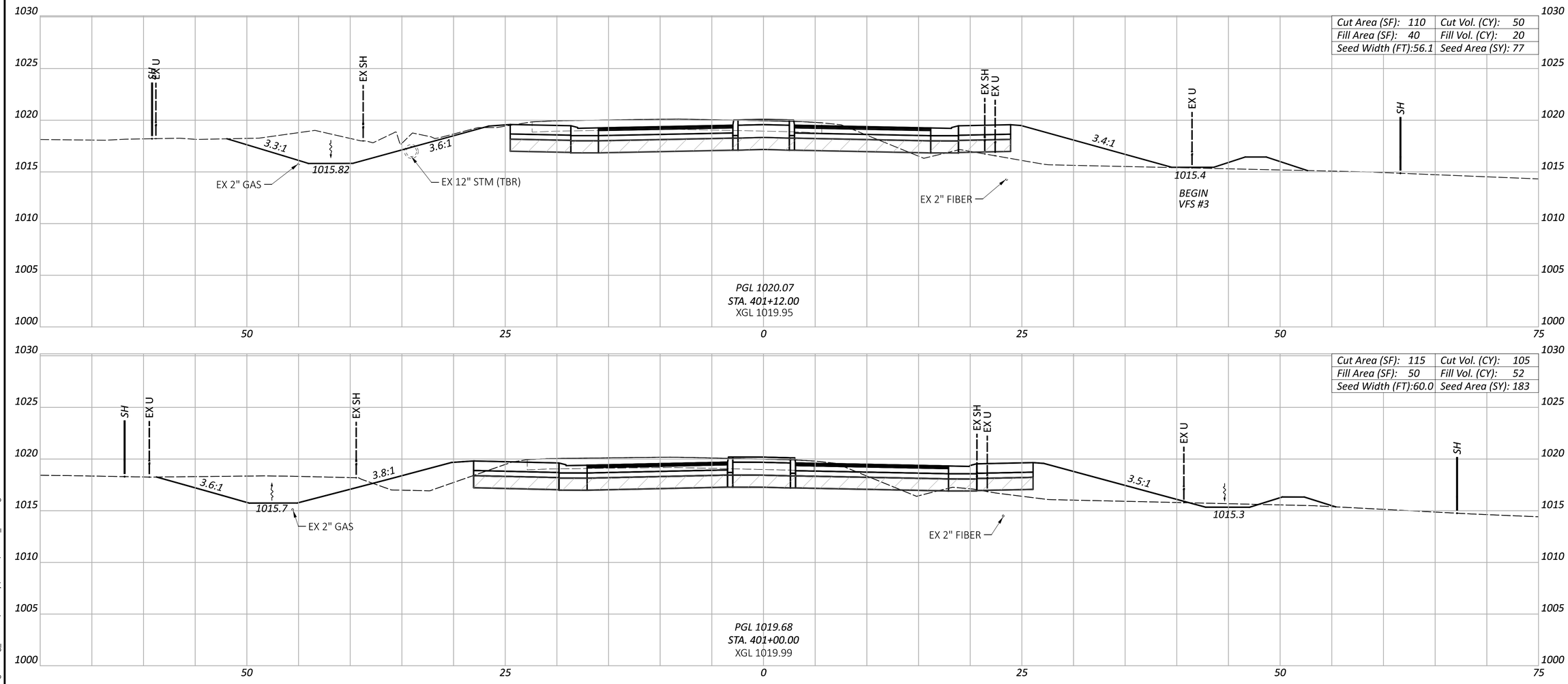
REVIEWER
NSP 06/03/25

PROJECT ID
111621

SHEET	TOTAL
P.56	127

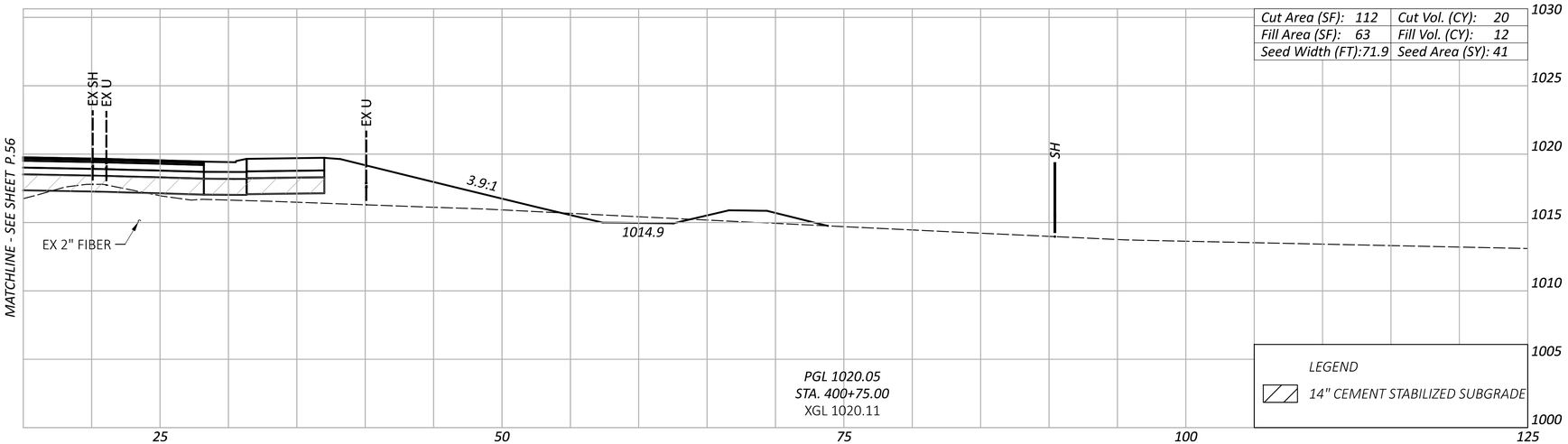
FAI-158-4.20

MODEL: CLP_North_Leg - 400+70.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:53:04 AM USER: PatelV2
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Cut Area (SF): 110	Cut Vol. (CY): 50
Fill Area (SF): 40	Fill Vol. (CY): 20
Seed Width (FT):56.1	Seed Area (SY): 77

Cut Area (SF): 115	Cut Vol. (CY): 105
Fill Area (SF): 50	Fill Vol. (CY): 52
Seed Width (FT):60.0	Seed Area (SY): 183



Cut Area (SF): 112	Cut Vol. (CY): 20
Fill Area (SF): 63	Fill Vol. (CY): 12
Seed Width (FT):71.9	Seed Area (SY): 41

NOTE:
SHEET TOTALS CARRIED TO SHEET P.83 .

Sheet Totals		
Seeding	Cut	Fill
301	175	84

CROSS SECTIONS - S.R. 158 (NORTH LEG)
STA. 400+75 - 401+12

DESIGN AGENCY
AECOM

DESIGNER
VHP

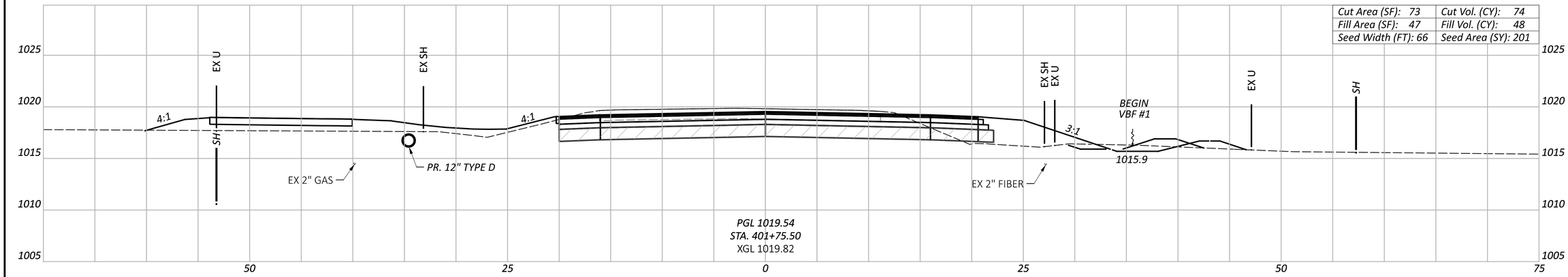
REVIEWER
NSP 06/03/25

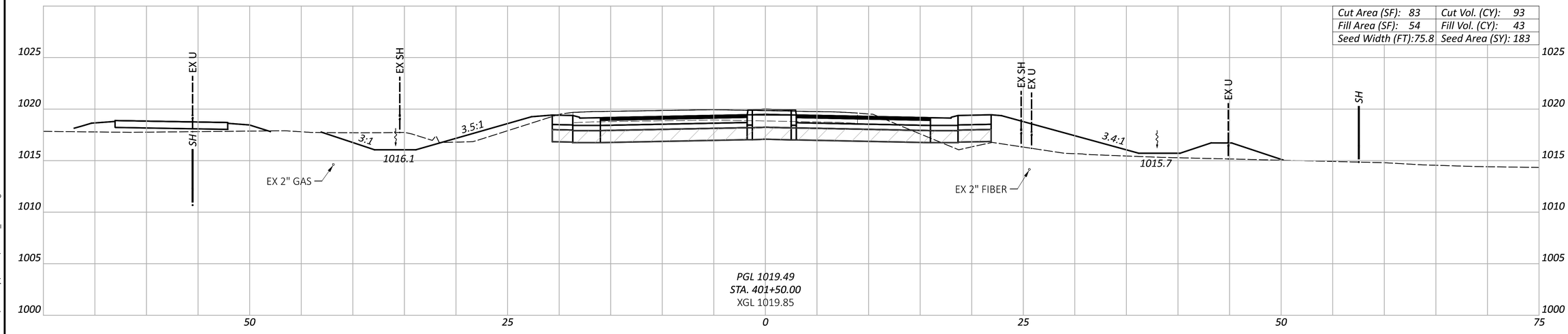
PROJECT ID
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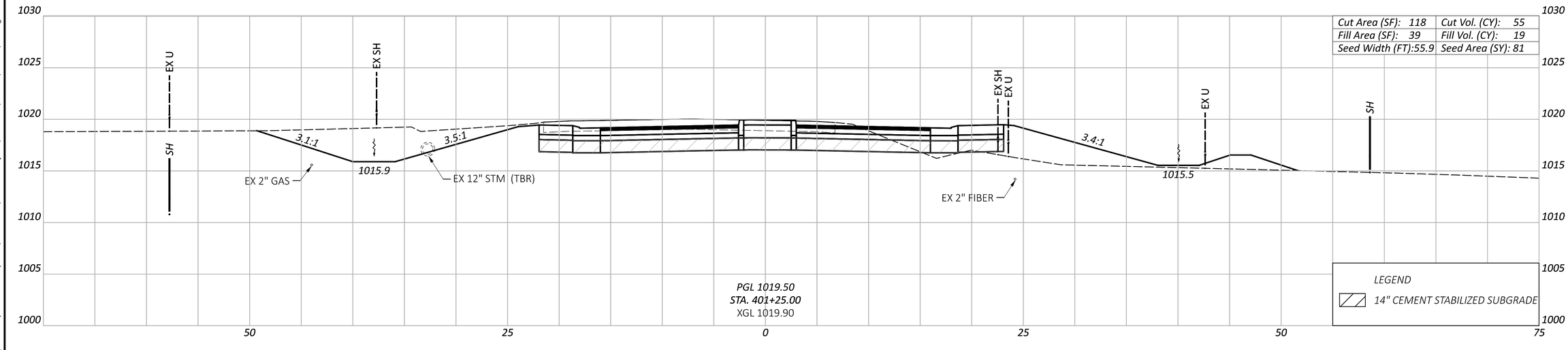
SHEET P.57 TOTAL 127

FAI-158-4.20

MODEL: CLP_North_Leg - 401+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:53:11 AM USER: PateV2
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NOTE:
SHEET TOTALS CARRIED TO SHEET P.83 .

Sheet Totals		
Seeding	Cut	Fill
465	222	110

CROSS SECTIONS - S.R. 158 (NORTH LEG)
STA. 401+25 - 401+75.50

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

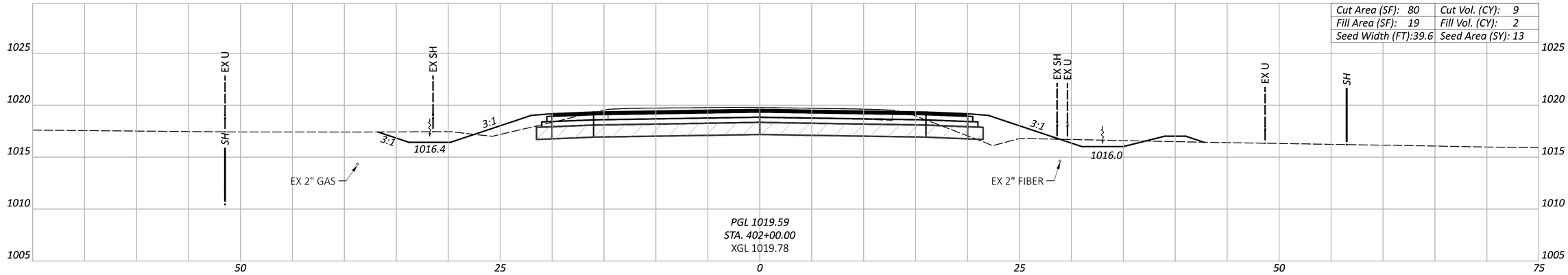
PROJECT ID
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SHEET P.58 TOTAL 127

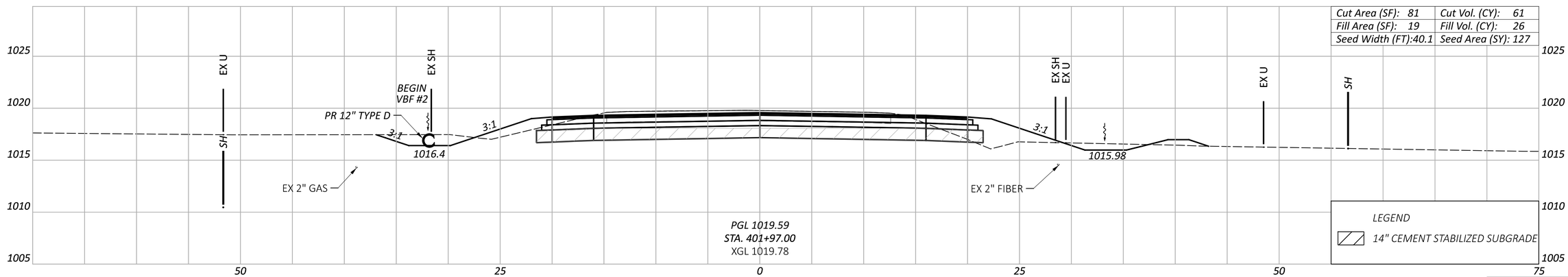
FAI-158-4.20

MODEL: CLP_North_Leg - 401+25.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:53:17 AM USER: PatelV2
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NOTE:
SHEET TOTALS CARRIED TO SHEET P.83 .



Cut Area (SF): 80	Cut Vol. (CY): 9
Fill Area (SF): 19	Fill Vol. (CY): 2
Seed Width (FT):39.6	Seed Area (SY): 13



Cut Area (SF): 81	Cut Vol. (CY): 61
Fill Area (SF): 19	Fill Vol. (CY): 26
Seed Width (FT):40.1	Seed Area (SY): 127

Sheet Totals		
Seeding	Cut	Fill
140	70	28

CROSS SECTIONS - S.R. 158 (NORTH LEG)
STA. 401+97 - 402+00

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

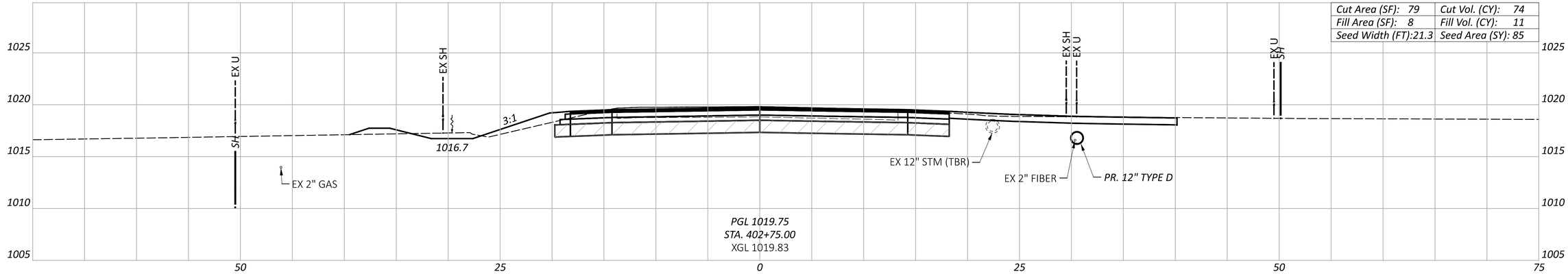
PROJECT ID
111621

SHEET P.59 | TOTAL 127

FAI-158-4.20

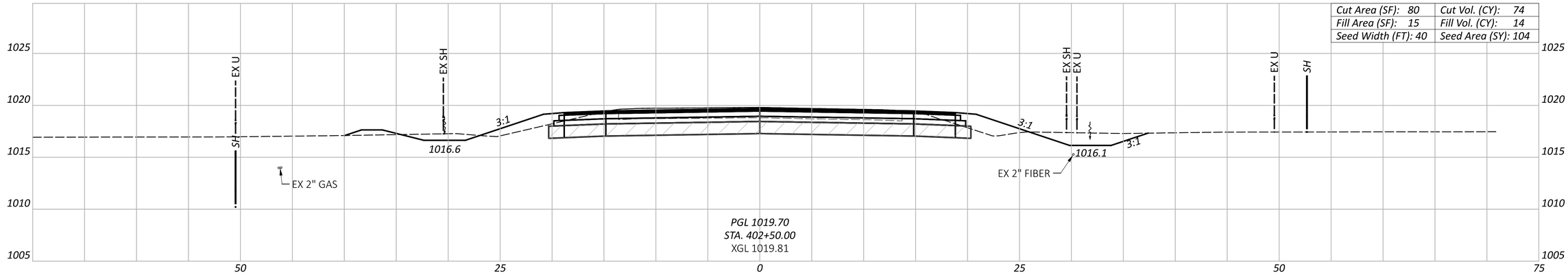
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NOTE:
SHEET TOTALS CARRIED TO SHEET P.83 .



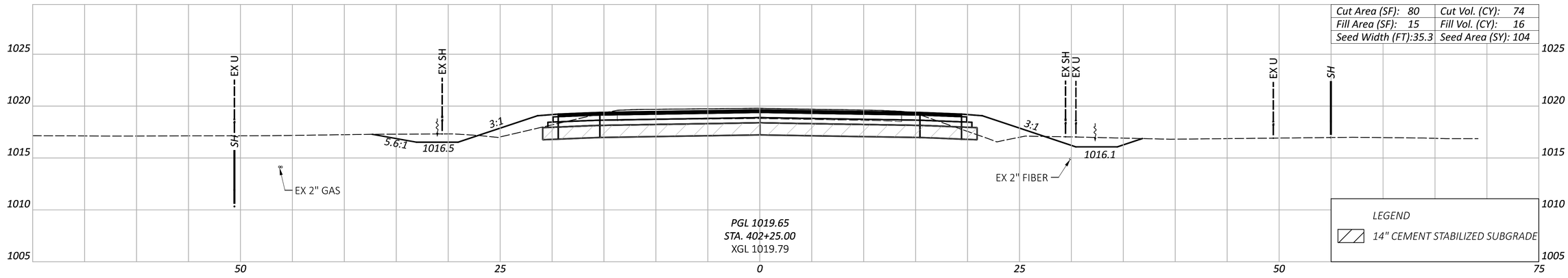
Cut Area (SF): 79	Cut Vol. (CY): 74
Fill Area (SF): 8	Fill Vol. (CY): 11
Seed Width (FT):21.3	Seed Area (SY): 85

PGL 1019.75
STA. 402+75.00
XGL 1019.83



Cut Area (SF): 80	Cut Vol. (CY): 74
Fill Area (SF): 15	Fill Vol. (CY): 14
Seed Width (FT): 40	Seed Area (SY): 104

PGL 1019.70
STA. 402+50.00
XGL 1019.81



Cut Area (SF): 80	Cut Vol. (CY): 74
Fill Area (SF): 15	Fill Vol. (CY): 16
Seed Width (FT):35.3	Seed Area (SY): 104

PGL 1019.65
STA. 402+25.00
XGL 1019.79

LEGEND
14" CEMENT STABILIZED SUBGRADE

CROSS SECTIONS - S.R. 158 (NORTH LEG)
STA. 402+25 - 402+75

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

PROJECT ID
111621

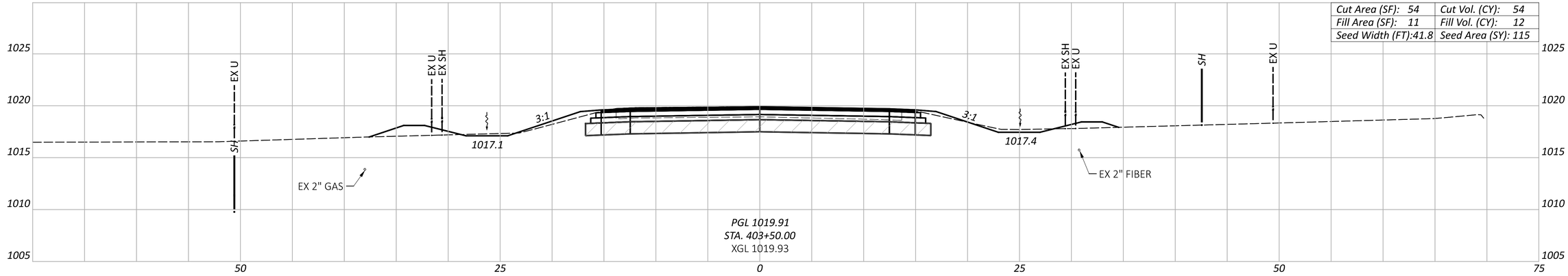
SHEET	TOTAL
P.60	127

Sheet Totals		
Seeding	Cut	Fill
293	222	41

FAI-158-4.20

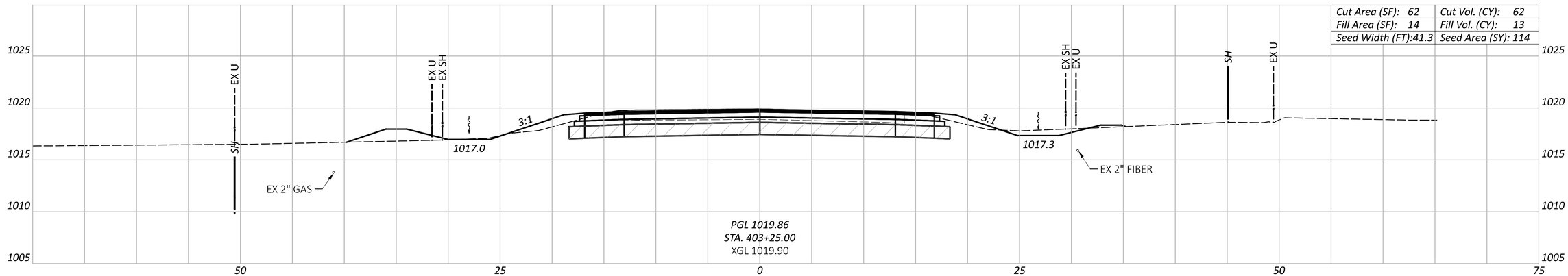
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NOTE:
SHEET TOTALS CARRIED TO SHEET P.83 .



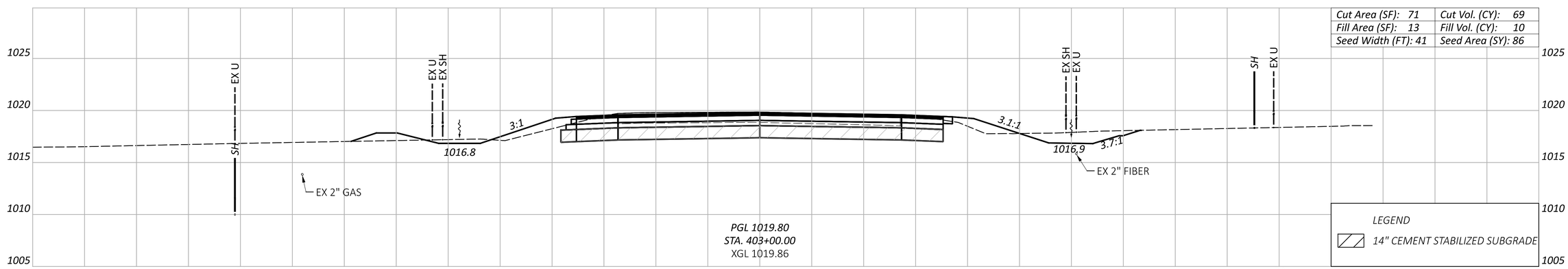
Cut Area (SF): 54	Cut Vol. (CY): 54
Fill Area (SF): 11	Fill Vol. (CY): 12
Seed Width (FT):41.8	Seed Area (SY): 115

PGL 1019.91
STA. 403+50.00
XGL 1019.93



Cut Area (SF): 62	Cut Vol. (CY): 62
Fill Area (SF): 14	Fill Vol. (CY): 13
Seed Width (FT):41.3	Seed Area (SY): 114

PGL 1019.86
STA. 403+25.00
XGL 1019.90



Cut Area (SF): 71	Cut Vol. (CY): 69
Fill Area (SF): 13	Fill Vol. (CY): 10
Seed Width (FT): 41	Seed Area (SY): 86

PGL 1019.80
STA. 403+00.00
XGL 1019.86

Sheet Totals		
Seeding	Cut	Fill
315	185	35

CROSS SECTIONS - S.R. 158 (NORTH LEG) STA. 403+00 - 403+50

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

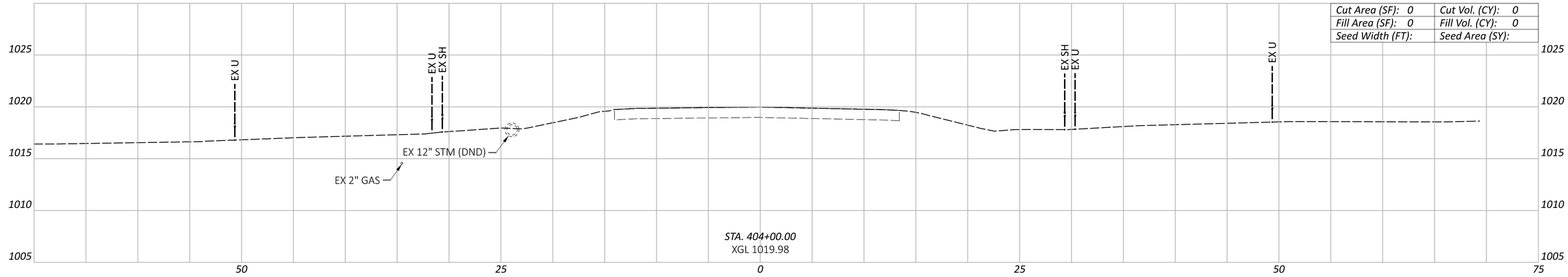
PROJECT ID
111621

SHEET P.61 TOTAL 127

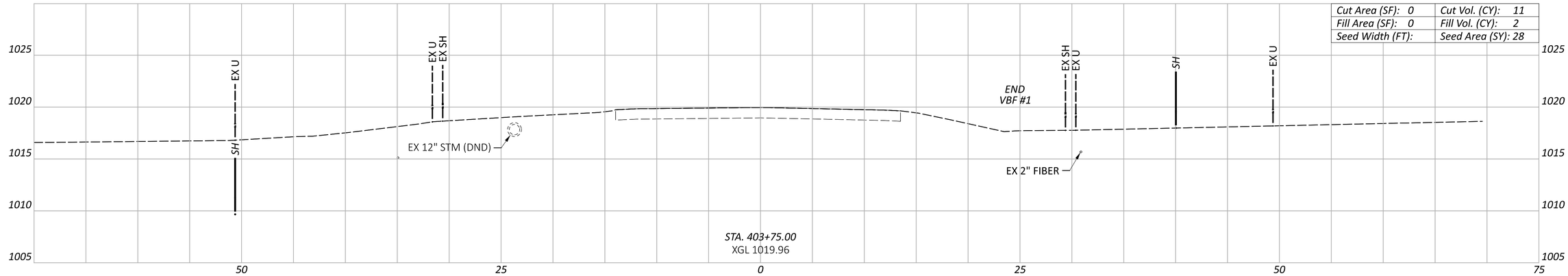
FAI-158-4.20

MODEL: CLP_North_Leg - 403+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:53:32 AM USER: PatelV2
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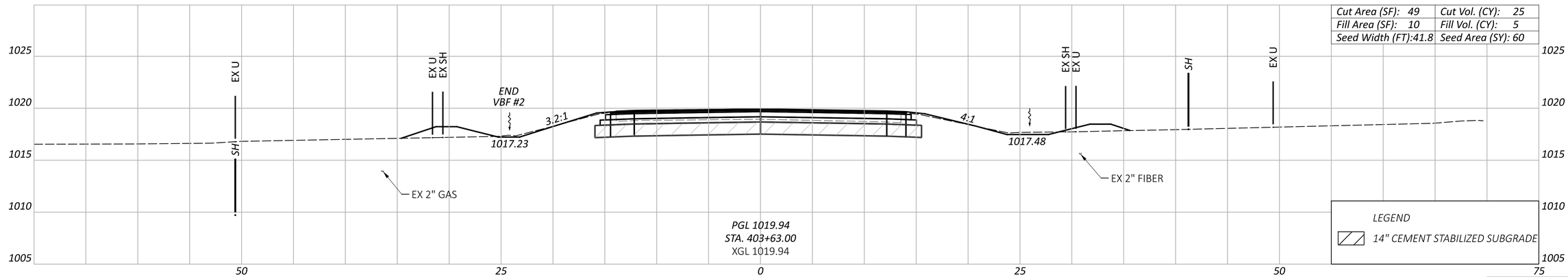
NOTE:
SHEET TOTALS CARRIED TO SHEET P.83 .



Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):



Cut Area (SF): 0	Cut Vol. (CY): 11
Fill Area (SF): 0	Fill Vol. (CY): 2
Seed Width (FT):	Seed Area (SY): 28



Cut Area (SF): 49	Cut Vol. (CY): 25
Fill Area (SF): 10	Fill Vol. (CY): 5
Seed Width (FT):41.8	Seed Area (SY): 60

Sheet Totals		
Seeding	Cut	Fill
88	36	7

CROSS SECTIONS - S.R. 158 (NORTH LEG)
STA. 403+63 TO STA. 404+00

DESIGN AGENCY
AECOM

DESIGNER
VHP

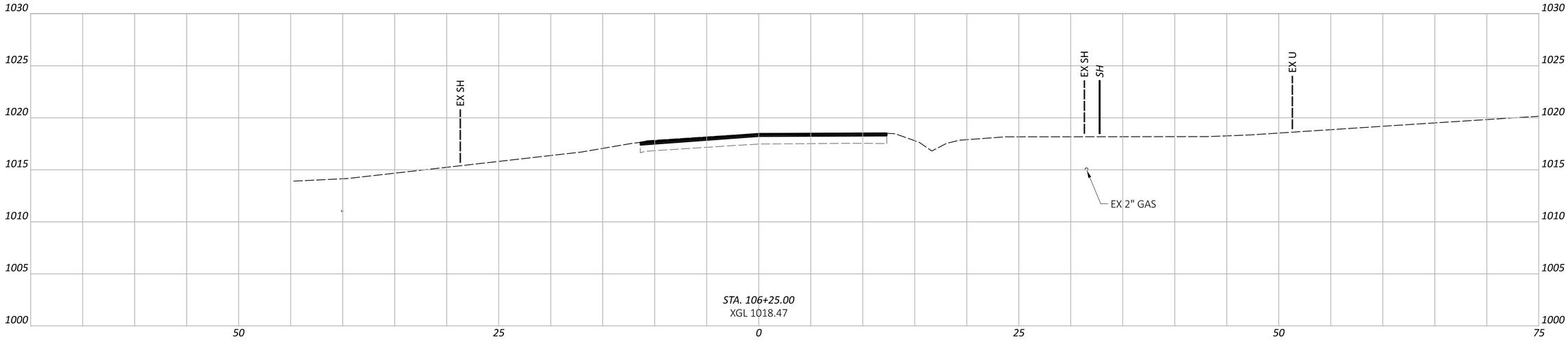
REVIEWER
NSP 06/03/25

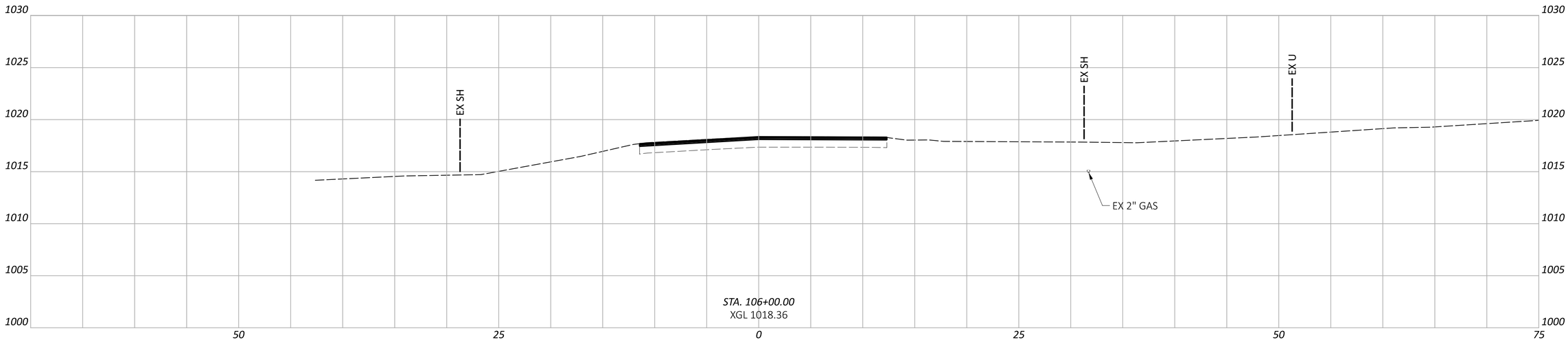
PROJECT ID
111621

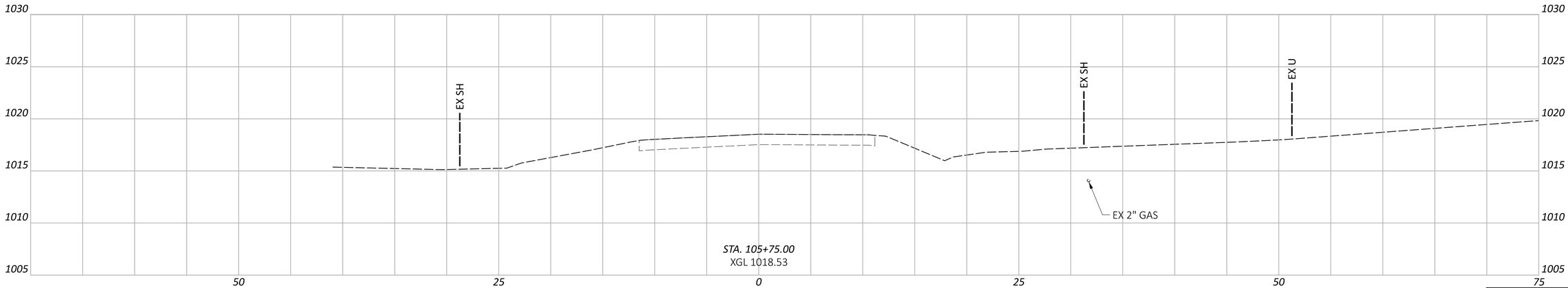
SHEET P.62 | TOTAL 127

FAI-158-4.20

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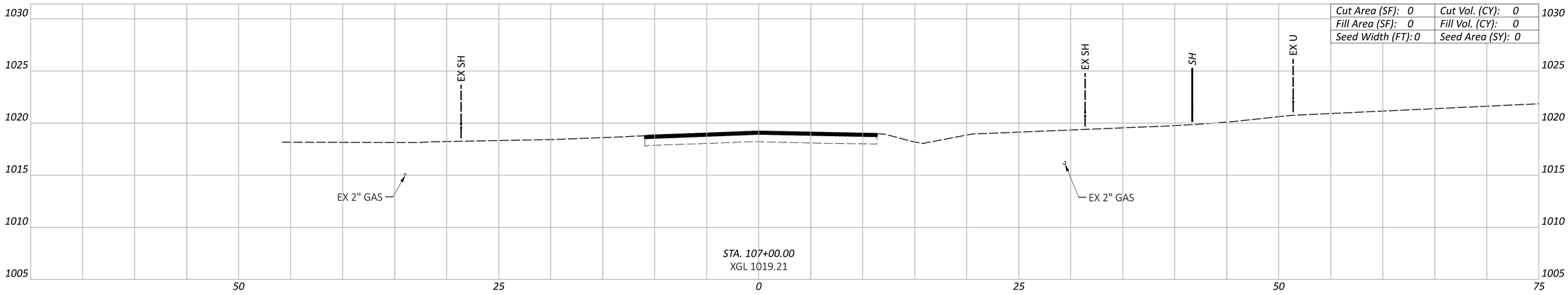
CROSS SECTIONS - COONPATH ROAD (WEST LEG) STA. 105+75 - 106+25

DESIGN AGENCY	AECOM
DESIGNER	VHP
REVIEWER	NSP 06/03/25
PROJECT ID	111621
SHEET	P.63
TOTAL	127

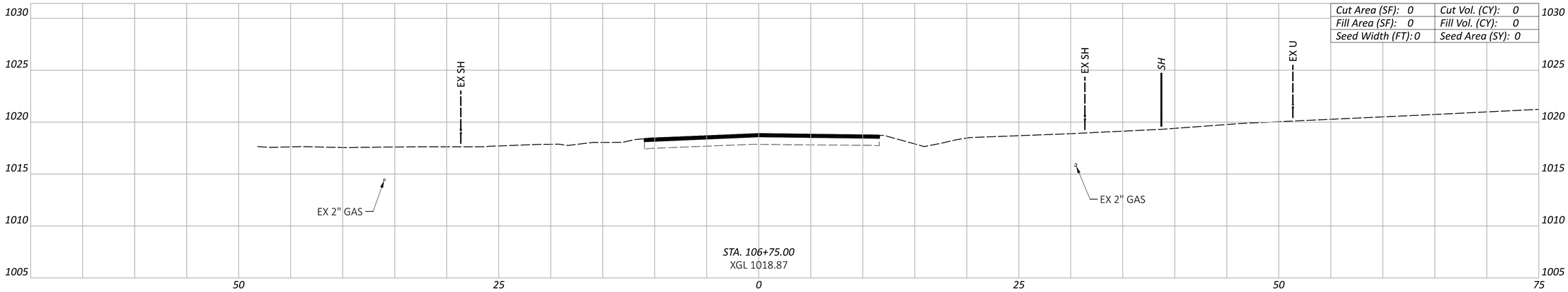
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Seeding	Cut	Fill

FAI-158-4.20

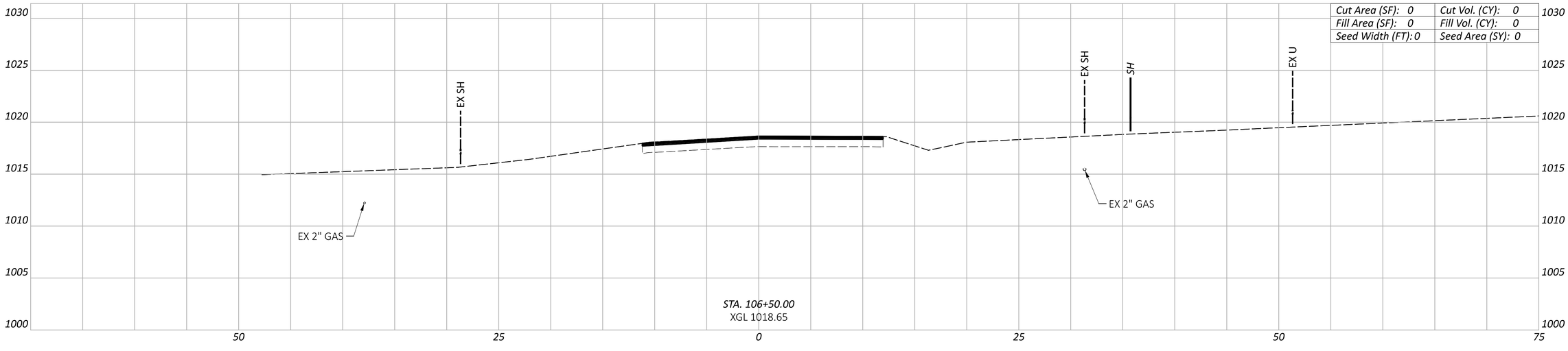
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Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 0	Seed Area (SY): 0



Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 0	Seed Area (SY): 0



Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 0	Seed Area (SY): 0

CROSS SECTIONS - COONPATH ROAD (WEST LEG)
STA. 106+50 - 107+00

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

PROJECT ID
111621

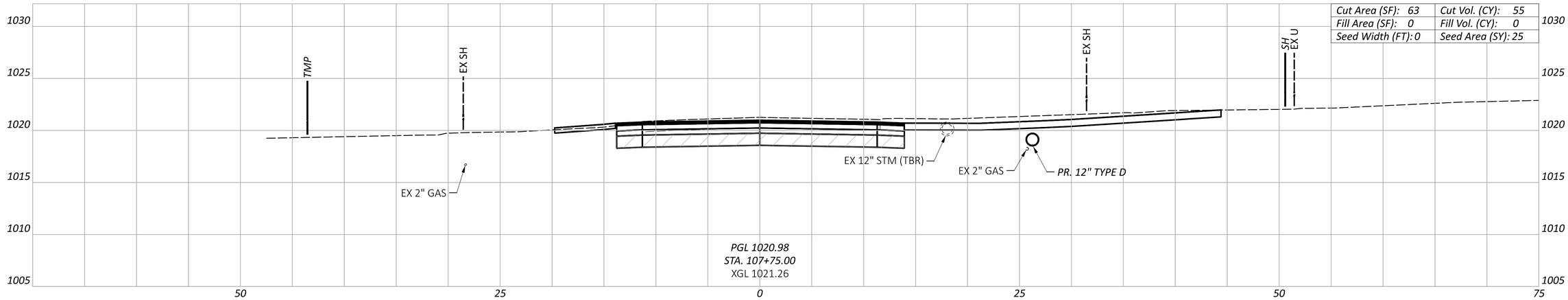
SHEET	TOTAL
P.64	127

Sheet Totals		
Seeding	Cut	Fill
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FAI-158-4.20

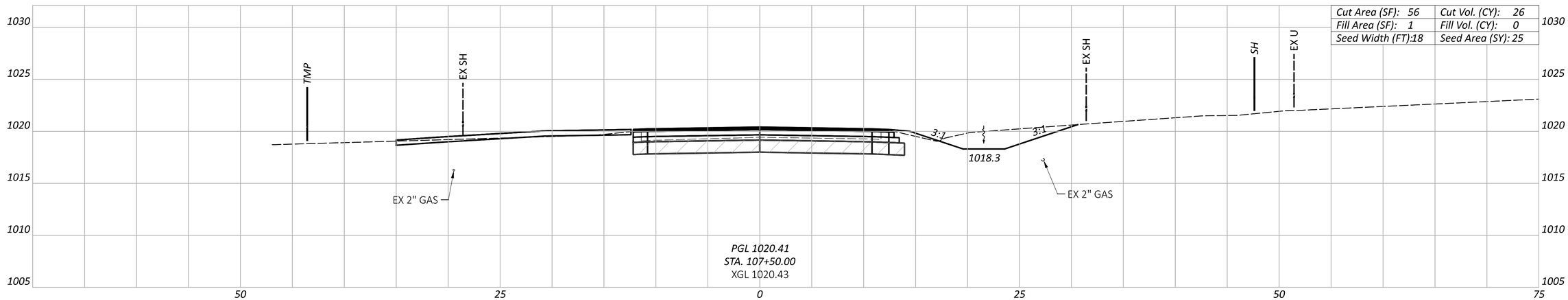
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NOTE:
SHEET TOTALS CARRIED TO SHEET P.83 .



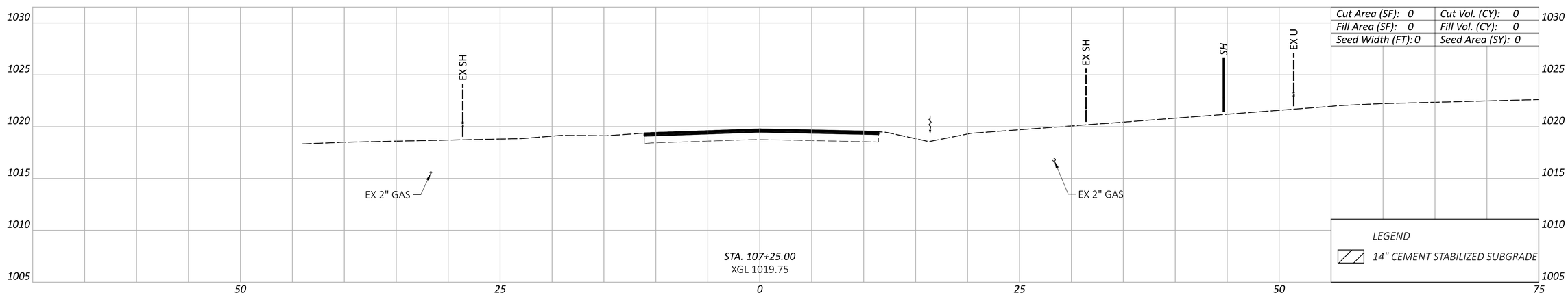
Cut Area (SF): 63	Cut Vol. (CY): 55
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 0	Seed Area (SY): 25

PGL 1020.98
STA. 107+75.00
XGL 1021.26



Cut Area (SF): 56	Cut Vol. (CY): 26
Fill Area (SF): 1	Fill Vol. (CY): 0
Seed Width (FT): 18	Seed Area (SY): 25

PGL 1020.41
STA. 107+50.00
XGL 1020.43



Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 0	Seed Area (SY): 0

STA. 107+25.00
XGL 1019.75

Sheet Totals		
Seeding	Cut	Fill
50	81	0

CROSS SECTIONS - COONPATH ROAD (WEST LEG)
STA. 107+25 - 107+75

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

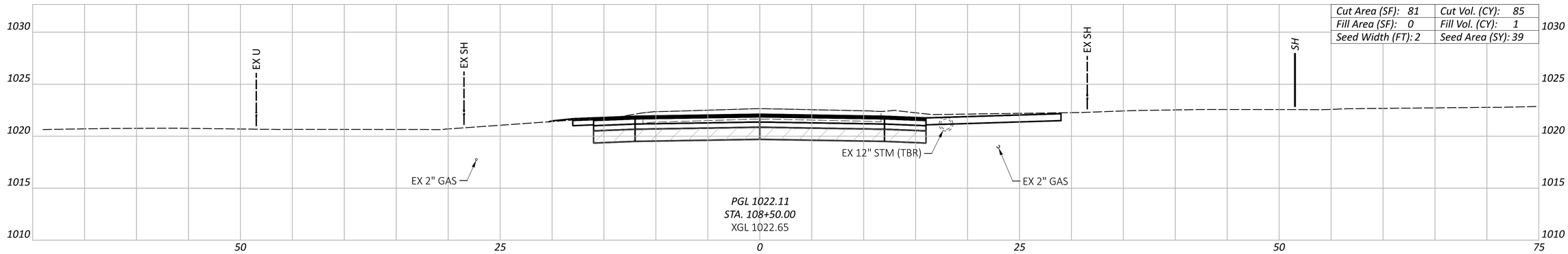
PROJECT ID
111621

SHEET P.65
TOTAL 127

FAI-158-4.20

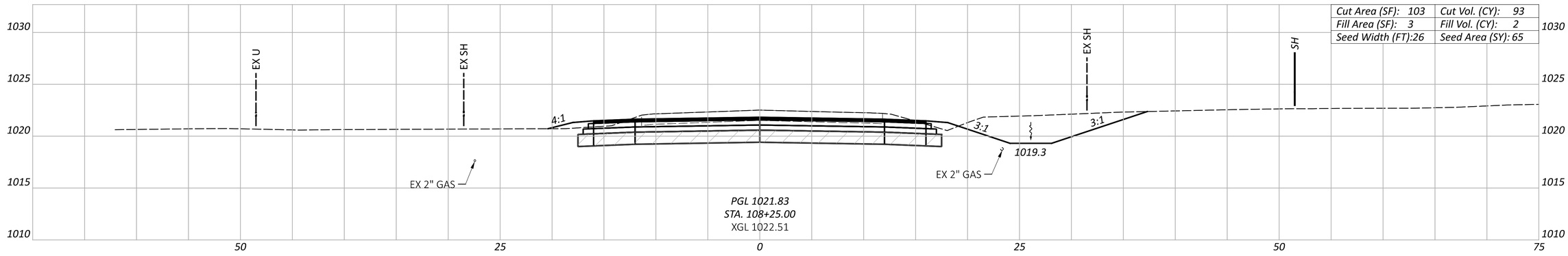
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NOTE:
SHEET TOTALS CARRIED TO SHEET P.83 .



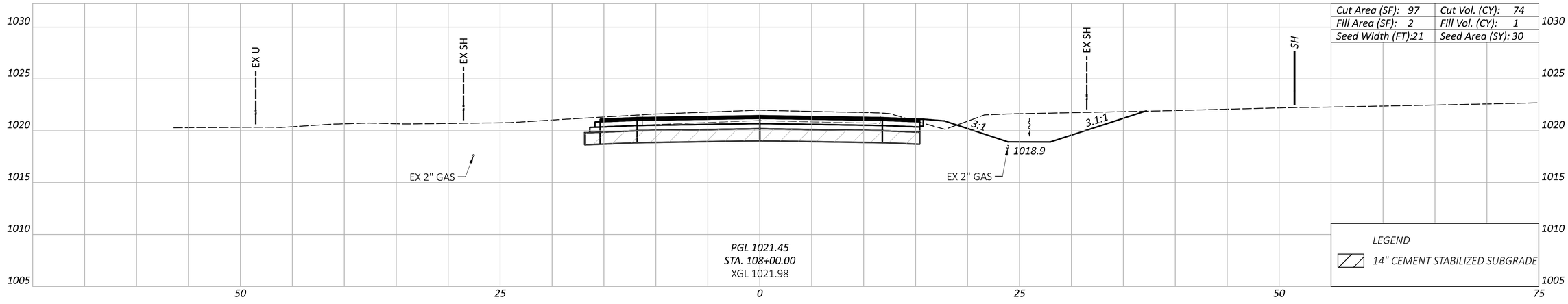
Cut Area (SF): 81	Cut Vol. (CY): 85
Fill Area (SF): 0	Fill Vol. (CY): 1
Seed Width (FT): 2	Seed Area (SY): 39

PGL 1022.11
STA. 108+50.00
XGL 1022.65



Cut Area (SF): 103	Cut Vol. (CY): 93
Fill Area (SF): 3	Fill Vol. (CY): 2
Seed Width (FT):26	Seed Area (SY): 65

PGL 1021.83
STA. 108+25.00
XGL 1022.51



Cut Area (SF): 97	Cut Vol. (CY): 74
Fill Area (SF): 2	Fill Vol. (CY): 1
Seed Width (FT):21	Seed Area (SY): 30

PGL 1021.45
STA. 108+00.00
XGL 1021.98

CROSS SECTIONS - COONPATH ROAD (WEST LEG)
STA. 108+00 - 108+50

Sheet Totals		
Seeding	Cut	Fill
134	252	4

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

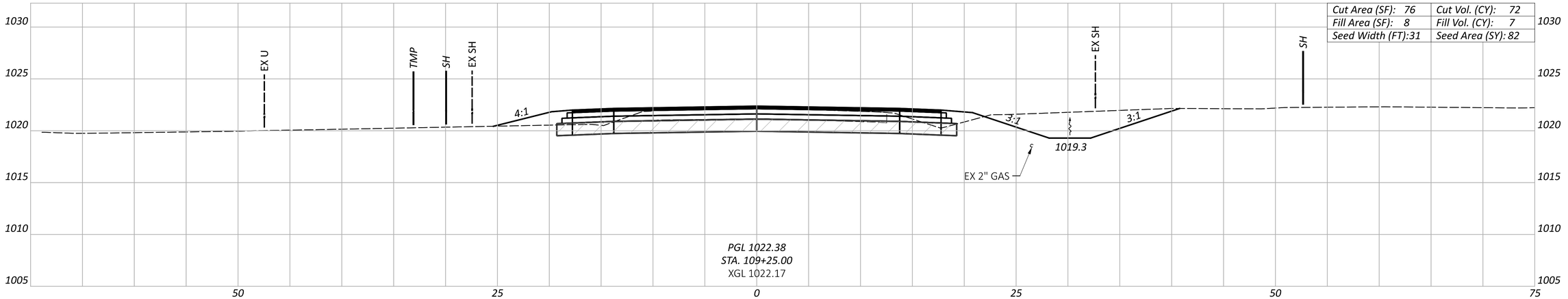
PROJECT ID
111621

SHEET P.66 TOTAL 127

FAI-158-4.20

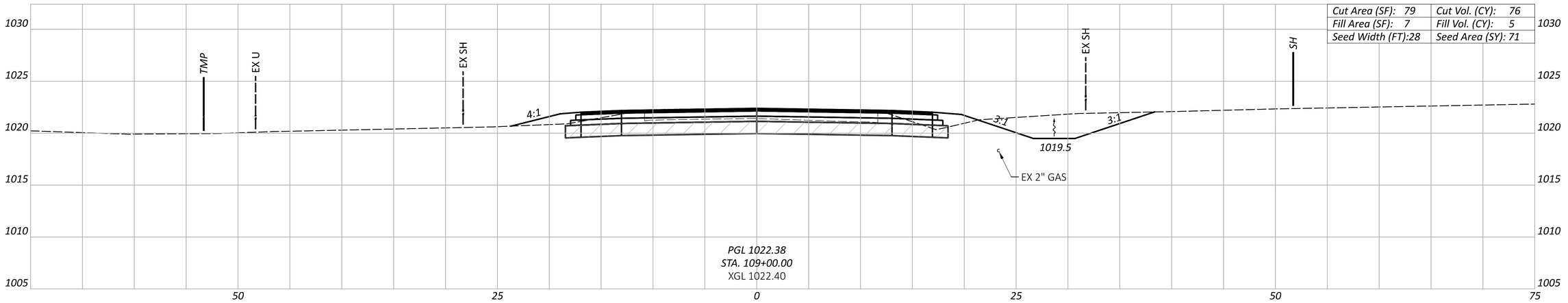
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NOTE:
SHEET TOTALS CARRIED TO SHEET P.83 .



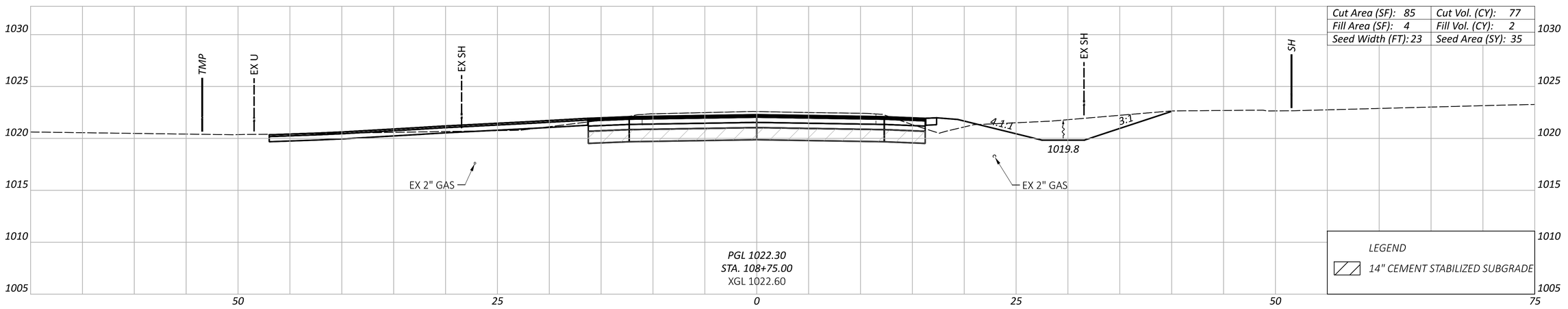
Cut Area (SF): 76	Cut Vol. (CY): 72
Fill Area (SF): 8	Fill Vol. (CY): 7
Seed Width (FT):31	Seed Area (SY): 82

PGL 1022.38
STA. 109+25.00
XGL 1022.17



Cut Area (SF): 79	Cut Vol. (CY): 76
Fill Area (SF): 7	Fill Vol. (CY): 5
Seed Width (FT):28	Seed Area (SY): 71

PGL 1022.38
STA. 109+00.00
XGL 1022.40



Cut Area (SF): 85	Cut Vol. (CY): 77
Fill Area (SF): 4	Fill Vol. (CY): 2
Seed Width (FT): 23	Seed Area (SY): 35

PGL 1022.30
STA. 108+75.00
XGL 1022.60

CROSS SECTIONS - COONPATH ROAD (WEST LEG)
STA. 108+75 - 109+25

Sheet Totals		
Seeding	Cut	Fill
188	225	14

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

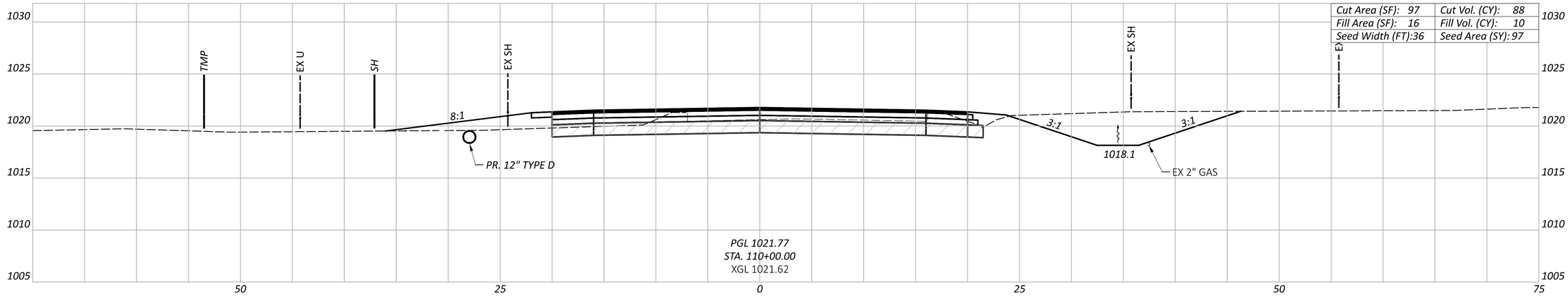
PROJECT ID
111621

SHEET P.67 TOTAL 127

FAI-158-4.20

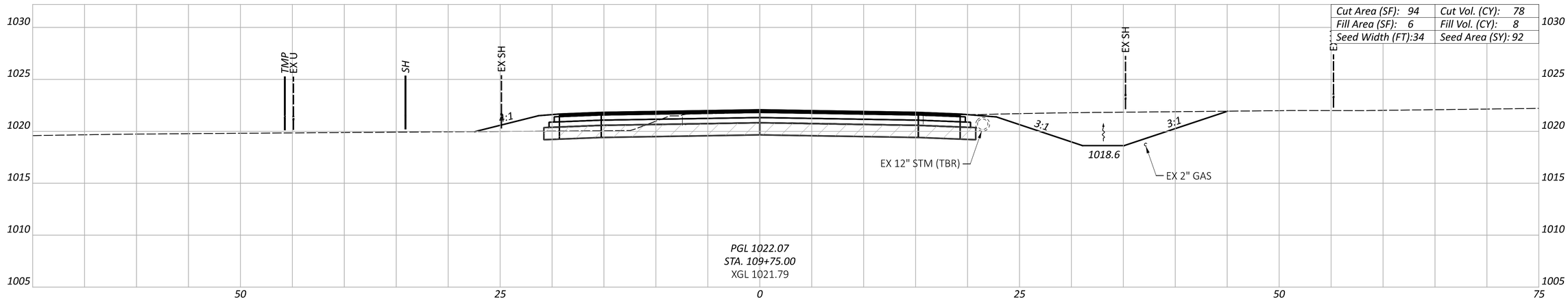
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NOTE:
SHEET TOTALS CARRIED TO SHEET P.83 .



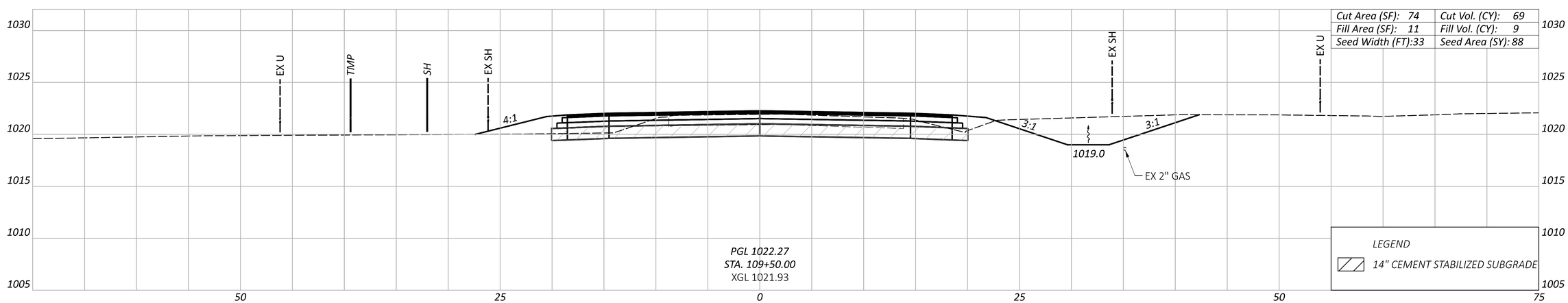
Cut Area (SF): 97	Cut Vol. (CY): 88
Fill Area (SF): 16	Fill Vol. (CY): 10
Seed Width (FT):36	Seed Area (SY): 97

PGL 1021.77
STA. 110+00.00
XGL 1021.62



Cut Area (SF): 94	Cut Vol. (CY): 78
Fill Area (SF): 6	Fill Vol. (CY): 8
Seed Width (FT):34	Seed Area (SY): 92

PGL 1022.07
STA. 109+75.00
XGL 1021.79



Cut Area (SF): 74	Cut Vol. (CY): 69
Fill Area (SF): 11	Fill Vol. (CY): 9
Seed Width (FT):33	Seed Area (SY): 88

PGL 1022.27
STA. 109+50.00
XGL 1021.93

Sheet Totals		
Seeding	Cut	Fill
277	235	27

CROSS SECTIONS - COONPATH ROAD (WEST LEG)
STA. 109+50 - 110+00

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

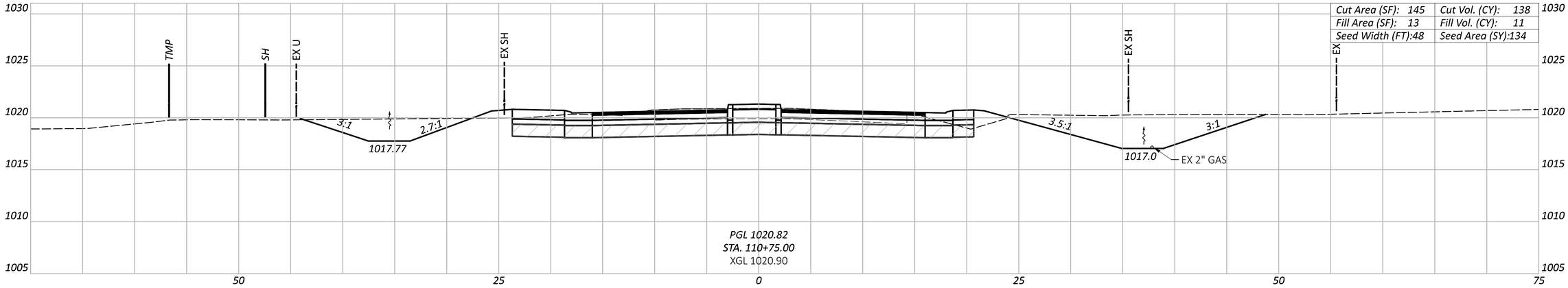
PROJECT ID
111621

SHEET P.68 | TOTAL 127

FAI-158-4.20

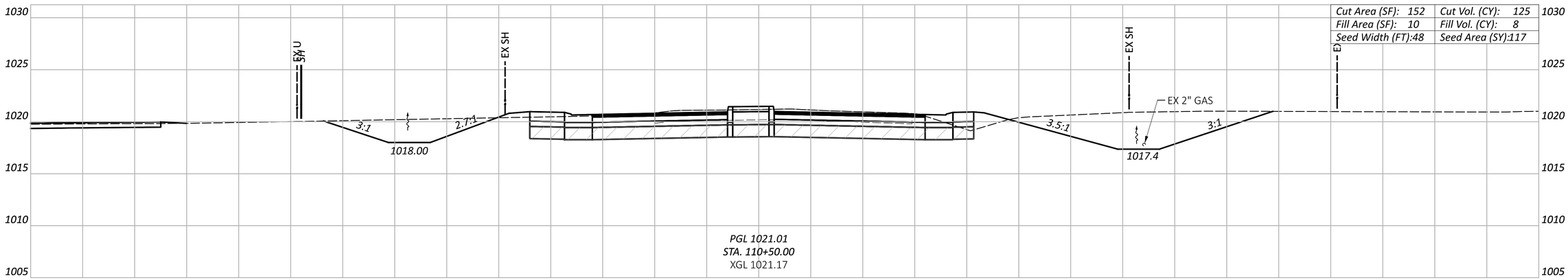
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NOTE:
SHEET TOTALS CARRIED TO SHEET P.83 .



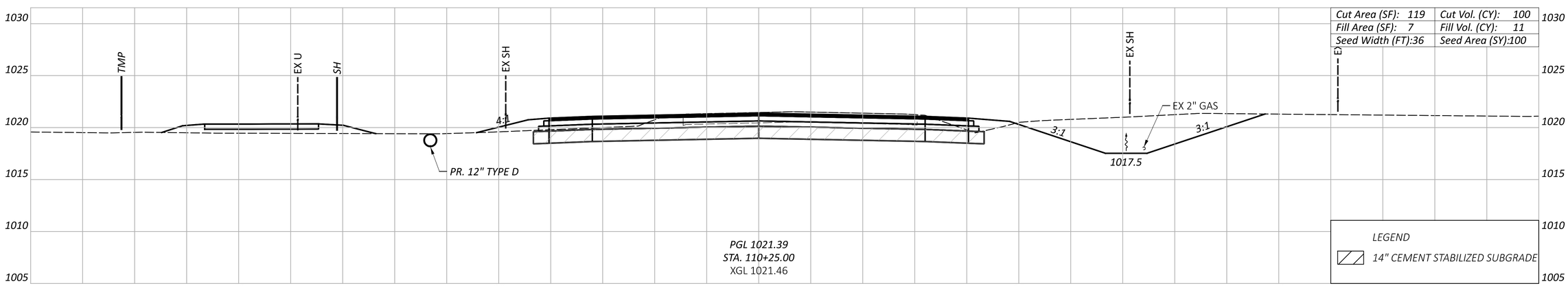
Cut Area (SF): 145	Cut Vol. (CY): 138
Fill Area (SF): 13	Fill Vol. (CY): 11
Seed Width (FT):48	Seed Area (SY):134

PGL 1020.82
STA. 110+75.00
XGL 1020.90



Cut Area (SF): 152	Cut Vol. (CY): 125
Fill Area (SF): 10	Fill Vol. (CY): 8
Seed Width (FT):48	Seed Area (SY):117

PGL 1021.01
STA. 110+50.00
XGL 1021.17



Cut Area (SF): 119	Cut Vol. (CY): 100
Fill Area (SF): 7	Fill Vol. (CY): 11
Seed Width (FT):36	Seed Area (SY):100

PGL 1021.39
STA. 110+25.00
XGL 1021.46

Sheet Totals		
Seeding	Cut	Fill
351	363	30

CROSS SECTIONS - COONPATH ROAD (WEST LEG)
STA. 110+25 - 110+75

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

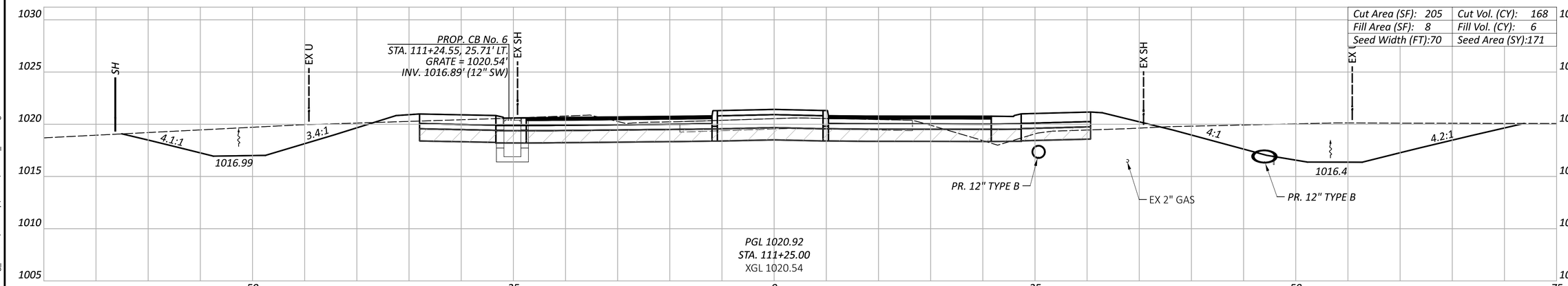
PROJECT ID
111621

SHEET P.69 | TOTAL 127

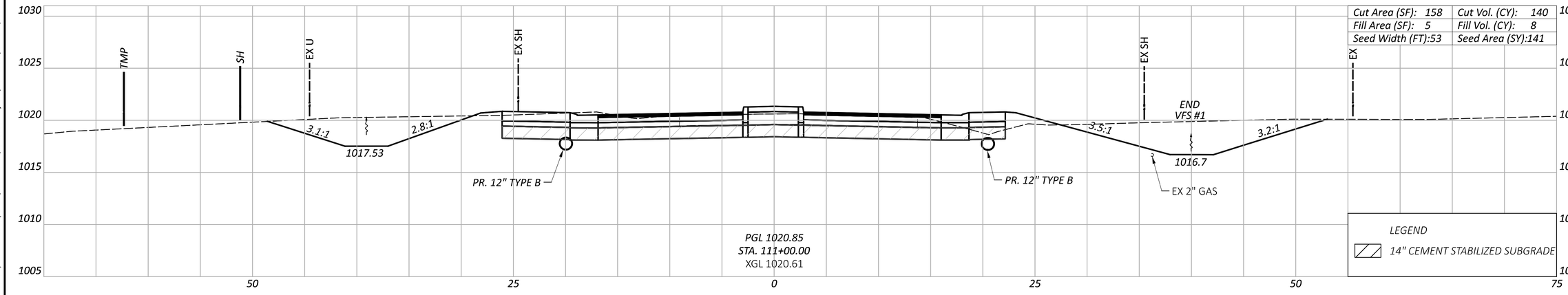
FAI-158-4.20

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NOTE:
SHEET TOTALS CARRIED TO SHEET P.83 .



Cut Area (SF): 205	Cut Vol. (CY): 168
Fill Area (SF): 8	Fill Vol. (CY): 6
Seed Width (FT):70	Seed Area (SY):171



Cut Area (SF): 158	Cut Vol. (CY): 140
Fill Area (SF): 5	Fill Vol. (CY): 8
Seed Width (FT):53	Seed Area (SY):141

LEGEND
14" CEMENT STABILIZED SUBGRADE

CROSS SECTIONS - COONPATH ROAD (WEST LEG)
STA. 111+00 - 111+25

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

PROJECT ID
111621

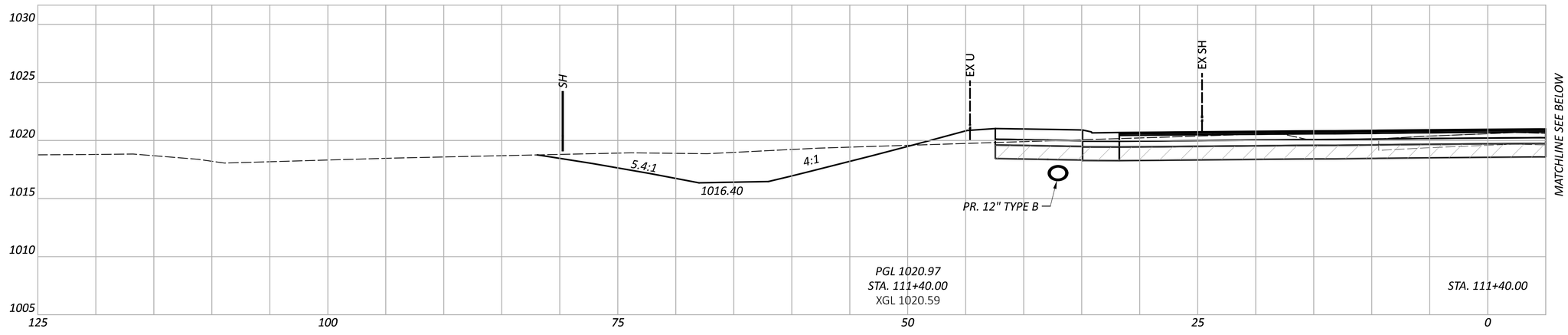
SHEET P.70 TOTAL 127

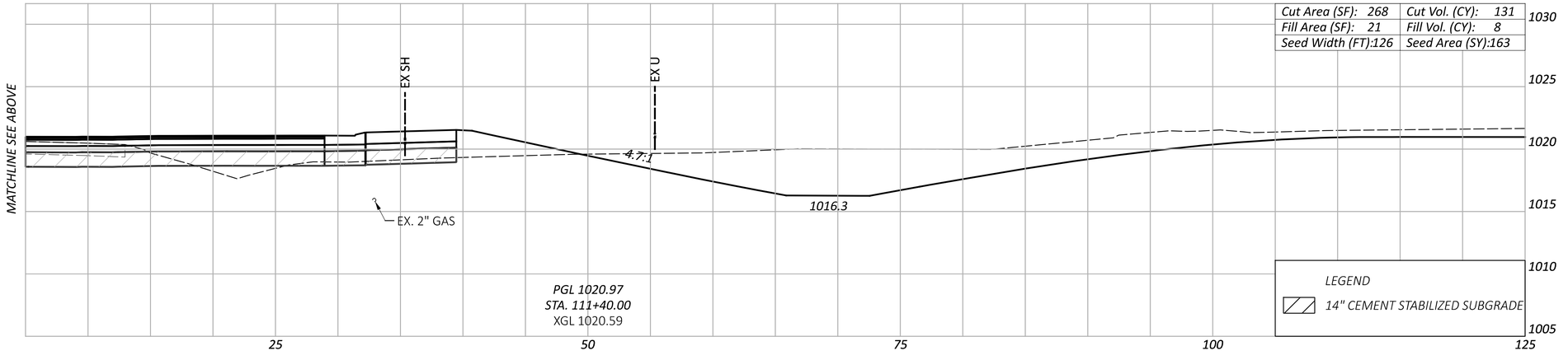
Sheet Totals		
Seeding	Cut	Fill
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FAI-158-4.20

MODEL: CLP_West_Leg - 111+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:54:33 AM USER: PatelV2
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NOTE:
SHEET TOTALS CARRIED TO SHEET P.83 .





CROSS SECTIONS - COONPATH ROAD (WEST LEG)
STA. 111+40

Sheet Totals		
Seeding	Cut	Fill
163	131	8

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

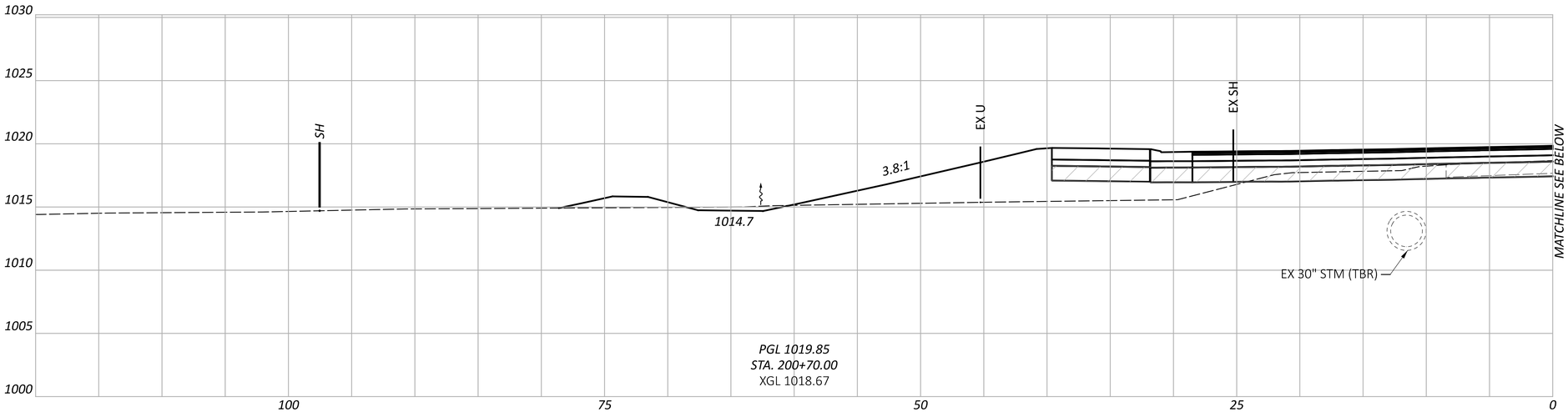
PROJECT ID
111621

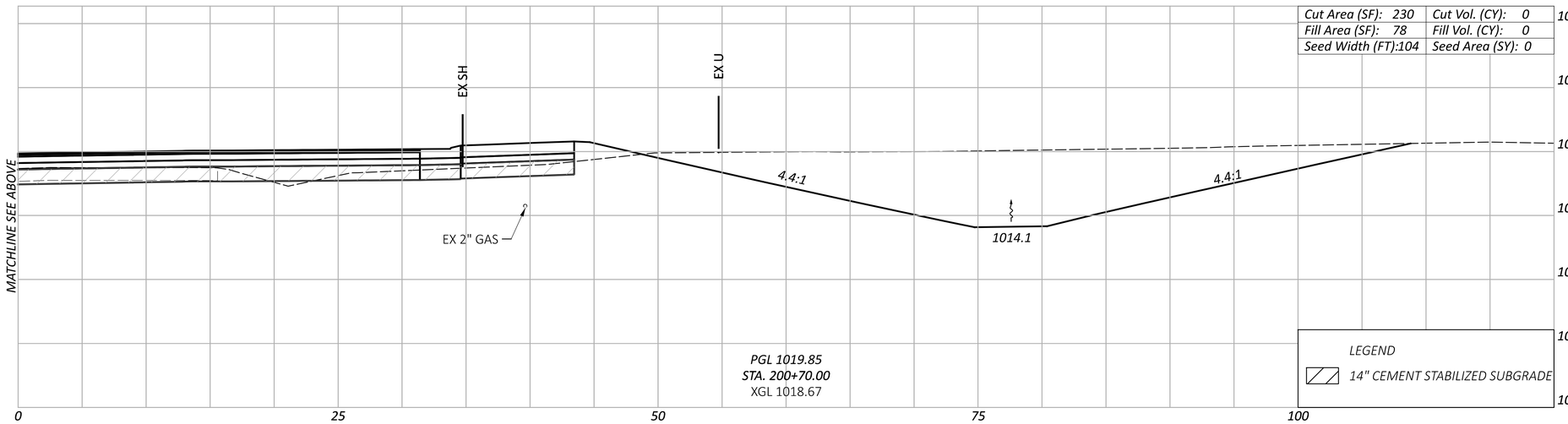
SHEET P.71 | TOTAL 127

FAI-158-4.20

MODEL: CLP_West_Leg - 111+40.00-1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:54:36 AM USER: PatelV2
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NOTE:
SHEET TOTALS CARRIED TO SHEET P.83 .





CROSS SECTIONS - COONPATH ROAD (EAST LEG)
STA. 200+70

Sheet Totals		
Seeding	Cut	Fill
0	0	0

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

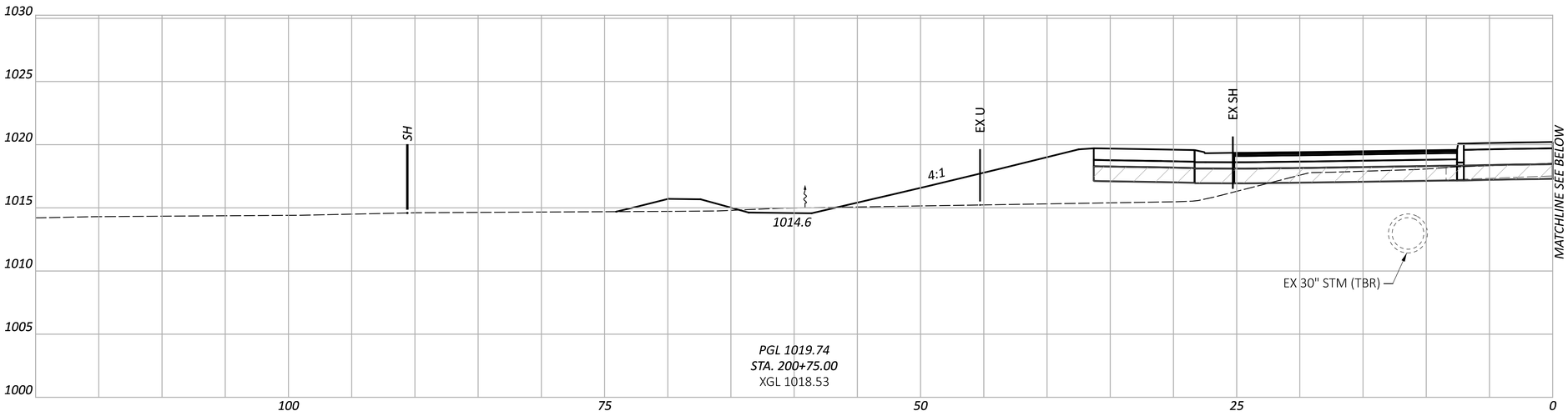
PROJECT ID
111621

SHEET P.72 TOTAL 127

FAI-158-4.20

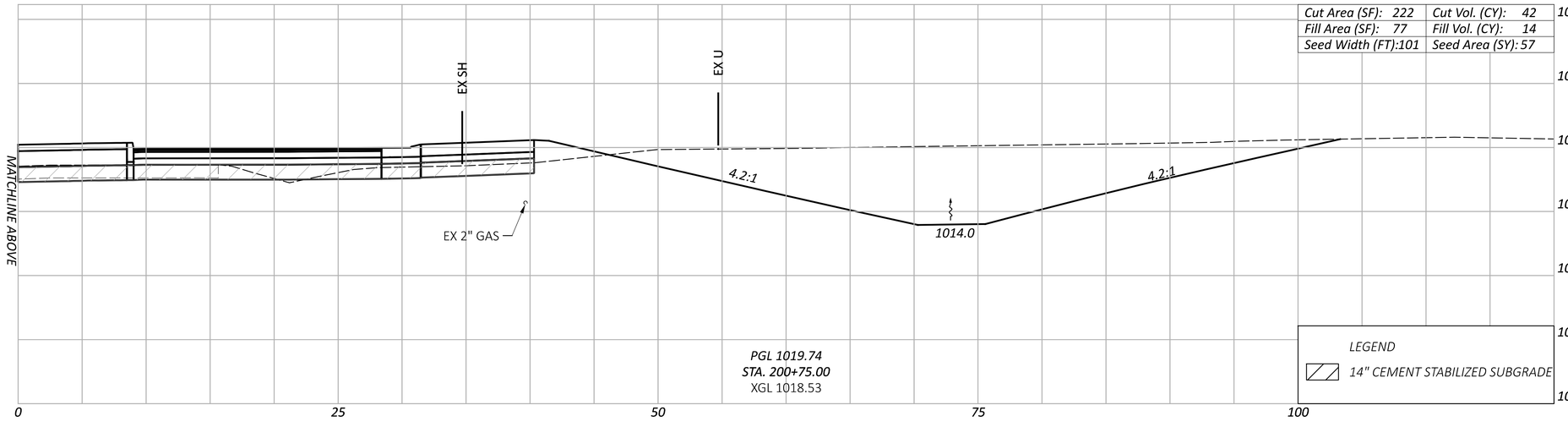
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NOTE:
SHEET TOTALS CARRIED TO SHEET P.83 .



PGL 1019.74
STA. 200+75.00
XGL 1018.53

Cut Area (SF): 222	Cut Vol. (CY): 42
Fill Area (SF): 77	Fill Vol. (CY): 14
Seed Width (FT):101	Seed Area (SY): 57



PGL 1019.74
STA. 200+75.00
XGL 1018.53

CROSS SECTIONS - COONPATH ROAD (EAST LEG) STA. 200+75

Sheet Totals		
Seeding	Cut	Fill
57	42	14

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

PROJECT ID
111621

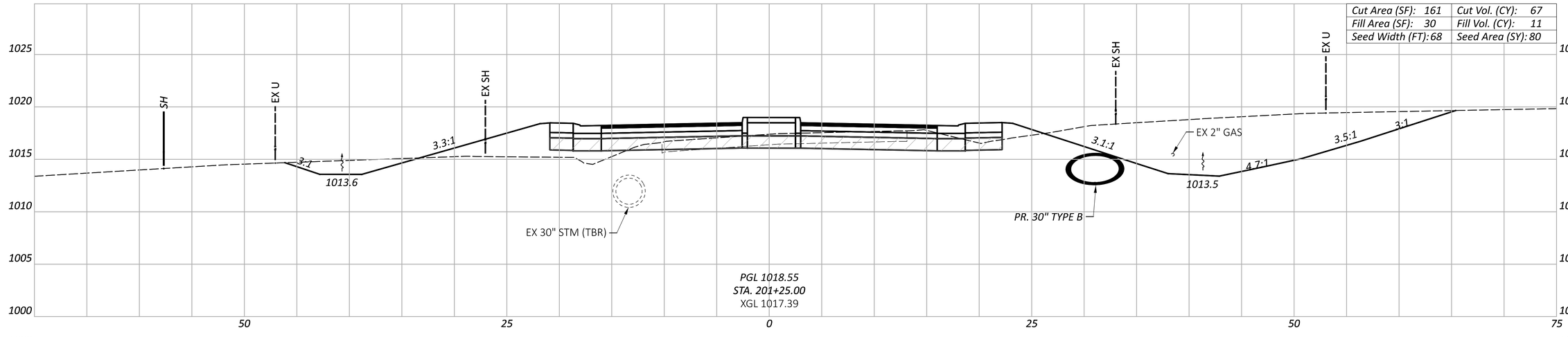
SHEET P.73 TOTAL 127

FAI-158-4.20

MODEL: CLP_East_Leg - 200+75.00 |Sheet| PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:55:10 AM USER: PatelV2
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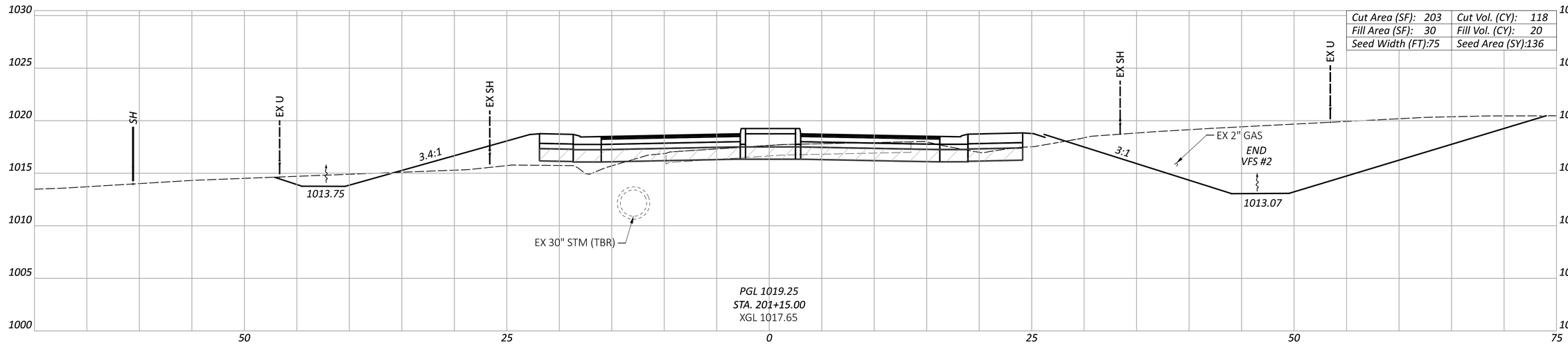
NOTE:
SHEET TOTALS CARRIED TO SHEET P.83 .

Cut Area (SF): 161	Cut Vol. (CY): 67
Fill Area (SF): 30	Fill Vol. (CY): 11
Seed Width (FT): 68	Seed Area (SY): 80



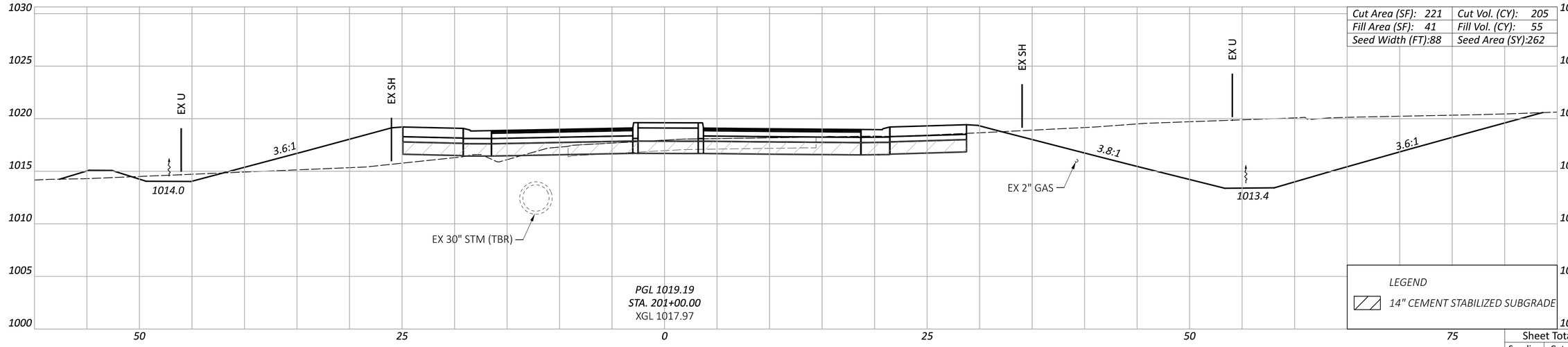
PGL 1018.55
STA. 201+25.00
XGL 1017.39

Cut Area (SF): 203	Cut Vol. (CY): 118
Fill Area (SF): 30	Fill Vol. (CY): 20
Seed Width (FT): 75	Seed Area (SY): 136



PGL 1019.25
STA. 201+15.00
XGL 1017.65

Cut Area (SF): 221	Cut Vol. (CY): 205
Fill Area (SF): 41	Fill Vol. (CY): 55
Seed Width (FT): 88	Seed Area (SY): 262



PGL 1019.19
STA. 201+00.00
XGL 1017.97

Sheet Totals		
Seeding	Cut	Fill
478	390	86

CROSS SECTIONS - COONPATH ROAD (EAST LEG)
STA. 201+00 - 201+25

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

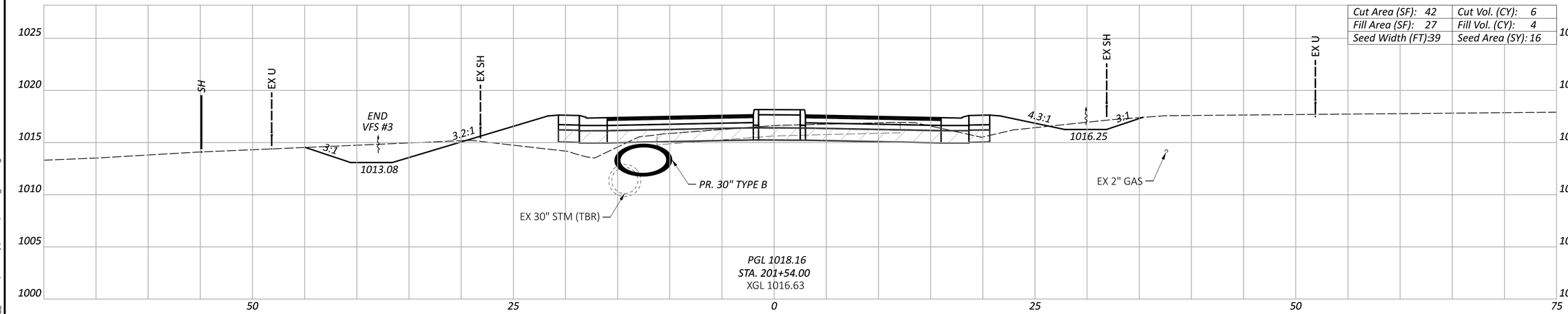
PROJECT ID
111621

SHEET P.74 TOTAL 127

FAI-158-4.20

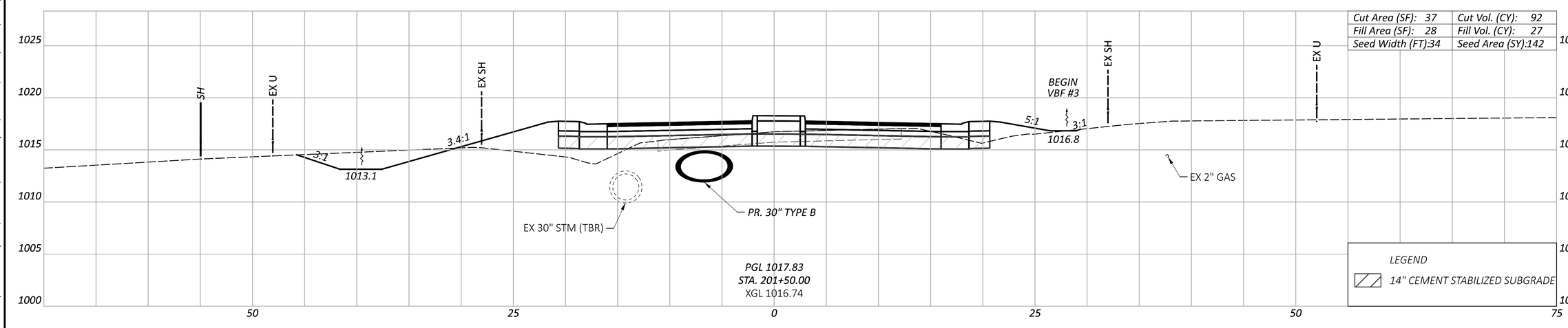
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NOTE:
SHEET TOTALS CARRIED TO SHEET P.83 .



Cut Area (SF): 42	Cut Vol. (CY): 6
Fill Area (SF): 27	Fill Vol. (CY): 4
Seed Width (FT):39	Seed Area (SY): 16

PGL 1018.16
STA. 201+54.00
XGL 1016.63



Cut Area (SF): 37	Cut Vol. (CY): 92
Fill Area (SF): 28	Fill Vol. (CY): 27
Seed Width (FT):34	Seed Area (SY):142

PGL 1017.83
STA. 201+50.00
XGL 1016.74

Sheet Totals		
Seeding	Cut	Fill
158	98	31

CROSS SECTIONS - COONPATH ROAD (EAST LEG)
STA. 201+50 - 201+54

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

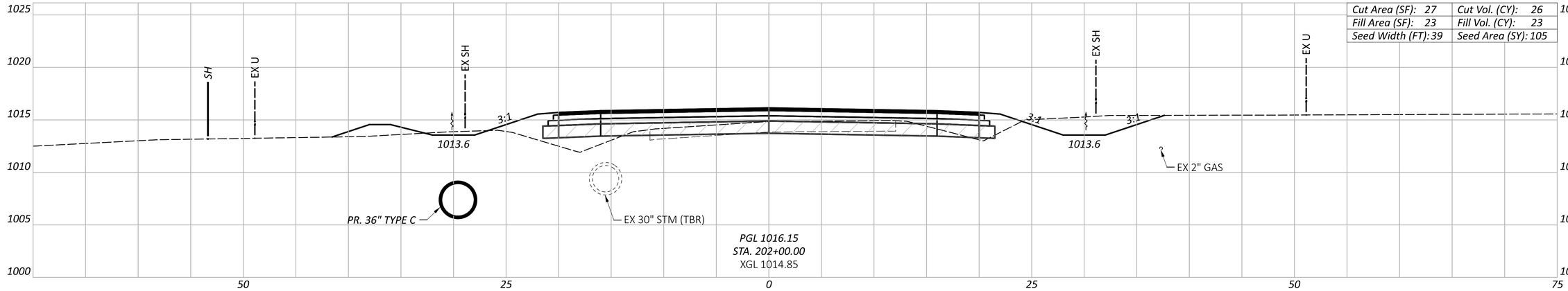
PROJECT ID
111621

SHEET P.75 | TOTAL 127

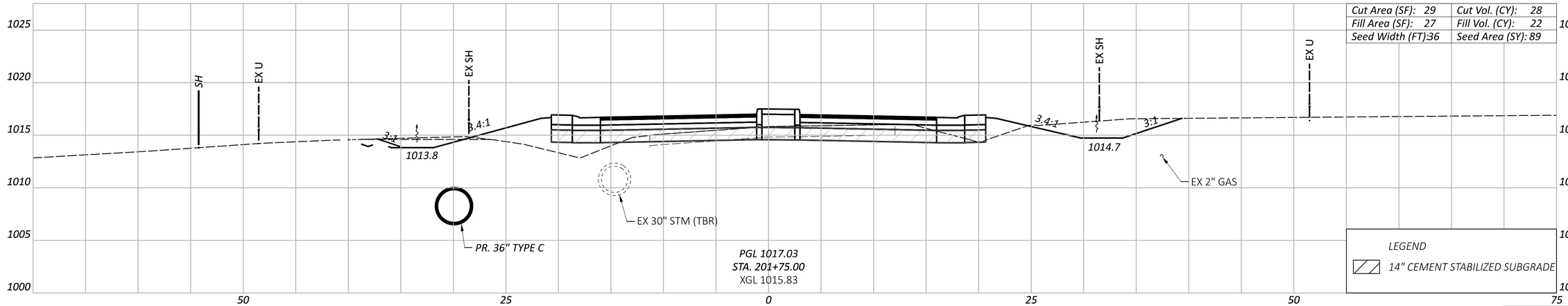
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NOTE:
SHEET TOTALS CARRIED TO SHEET P.83 .



Cut Area (SF): 27	Cut Vol. (CY): 26
Fill Area (SF): 23	Fill Vol. (CY): 23
Seed Width (FT): 39	Seed Area (SY): 105



Cut Area (SF): 29	Cut Vol. (CY): 28
Fill Area (SF): 27	Fill Vol. (CY): 22
Seed Width (FT): 36	Seed Area (SY): 89

Sheet Totals		
Seeding	Cut	Fill
193	54	45

CROSS SECTIONS - COONPATH ROAD (EAST LEG)
STA. 201+75 - 202+00

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

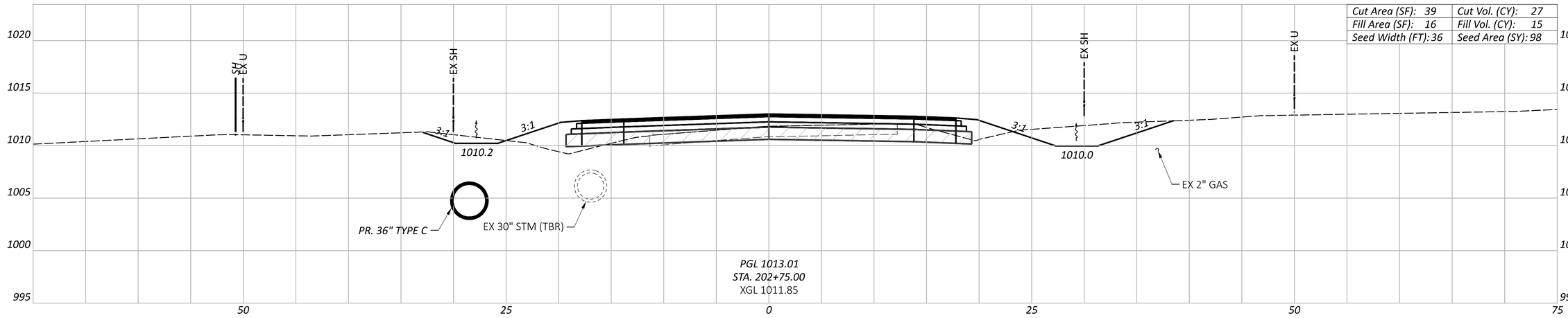
PROJECT ID
111621

SHEET P.76 | TOTAL 127

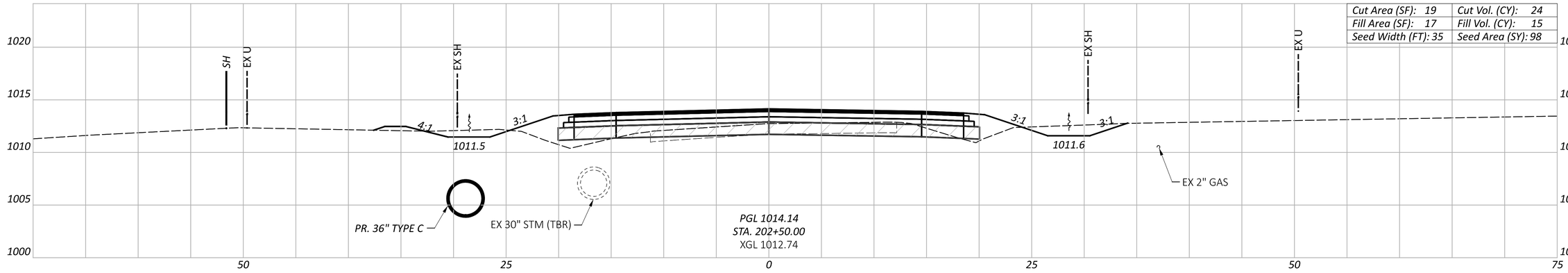
FAI-158-4.20

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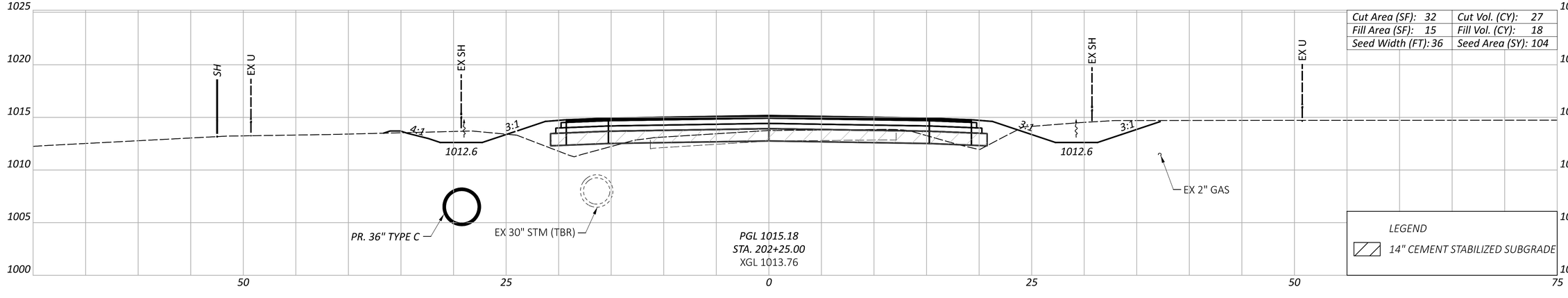
NOTE:
SHEET TOTALS CARRIED TO SHEET P.83 .



Cut Area (SF): 39	Cut Vol. (CY): 27
Fill Area (SF): 16	Fill Vol. (CY): 15
Seed Width (FT): 36	Seed Area (SY): 98



Cut Area (SF): 19	Cut Vol. (CY): 24
Fill Area (SF): 17	Fill Vol. (CY): 15
Seed Width (FT): 35	Seed Area (SY): 98



Cut Area (SF): 32	Cut Vol. (CY): 27
Fill Area (SF): 15	Fill Vol. (CY): 18
Seed Width (FT): 36	Seed Area (SY): 104

Sheet Totals		
Seeding	Cut	Fill
300	78	48

CROSS SECTIONS - COONPATH ROAD (EAST LEG)
STA. 202+25 - 202+75

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

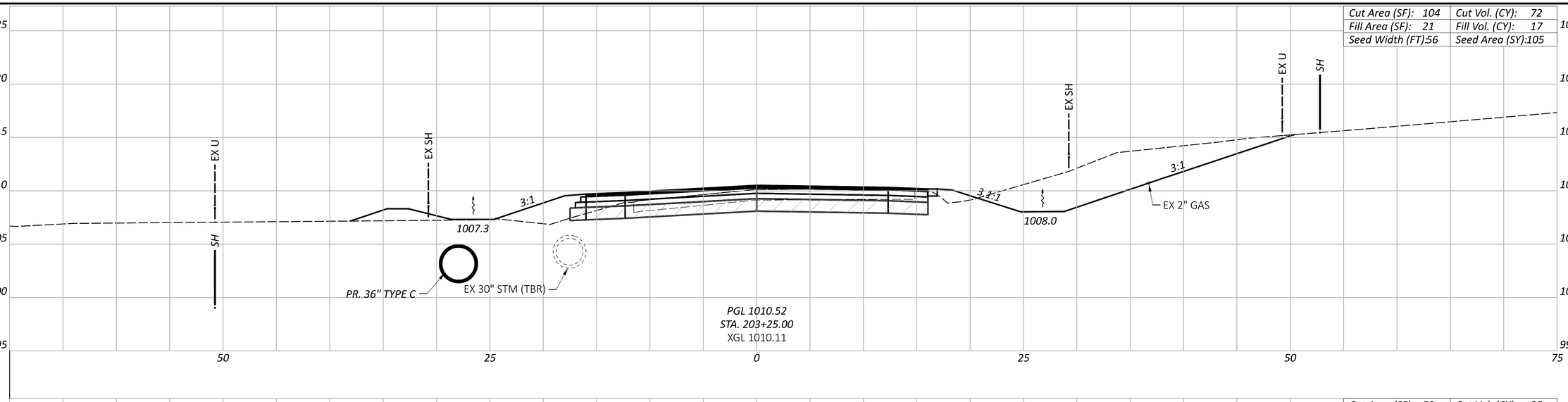
PROJECT ID
111621

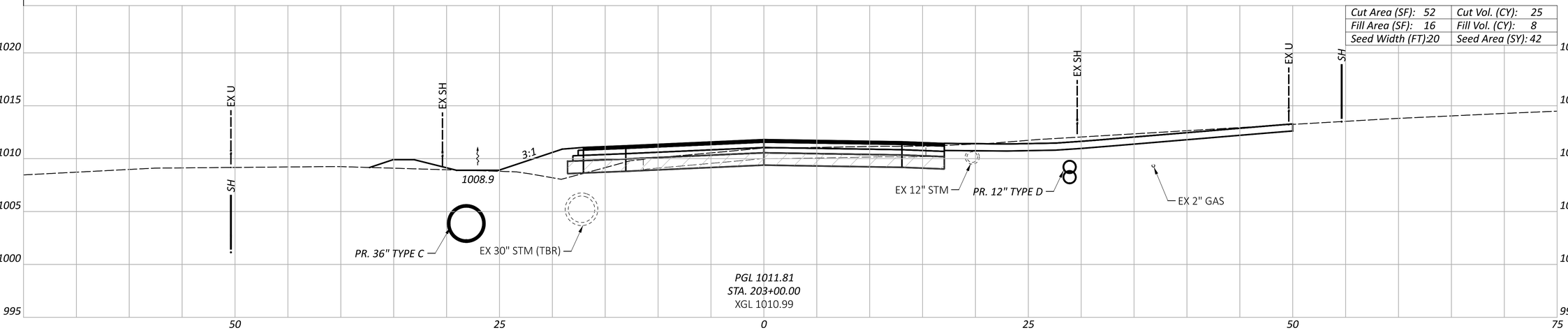
SHEET P.77 | TOTAL 127

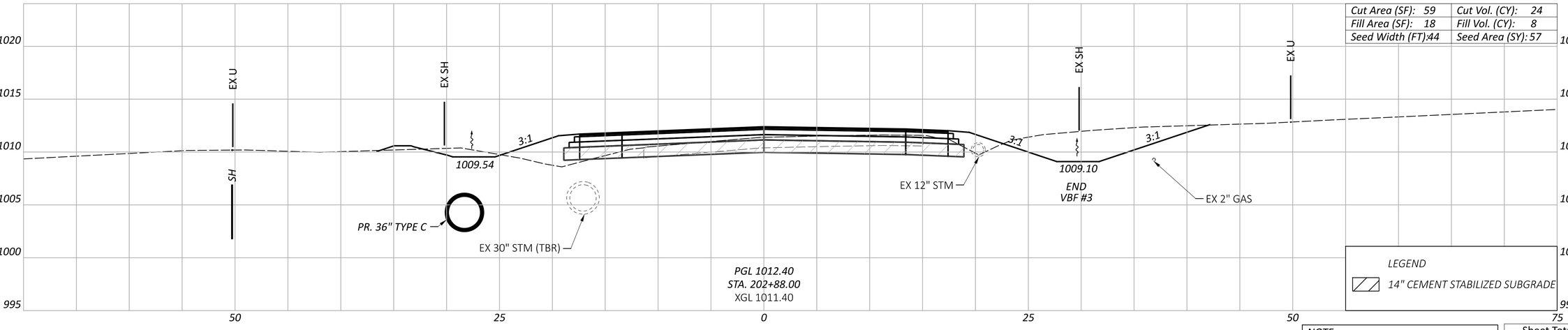
FAI-158-4.20

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CROSS SECTIONS - COONPATH ROAD (EAST LEG)
STA. 202+88 - 203+25







NOTE:
SHEET TOTALS CARRIED TO SHEET P.83 .

Sheet Totals		
Seeding	Cut	Fill
204	121	33

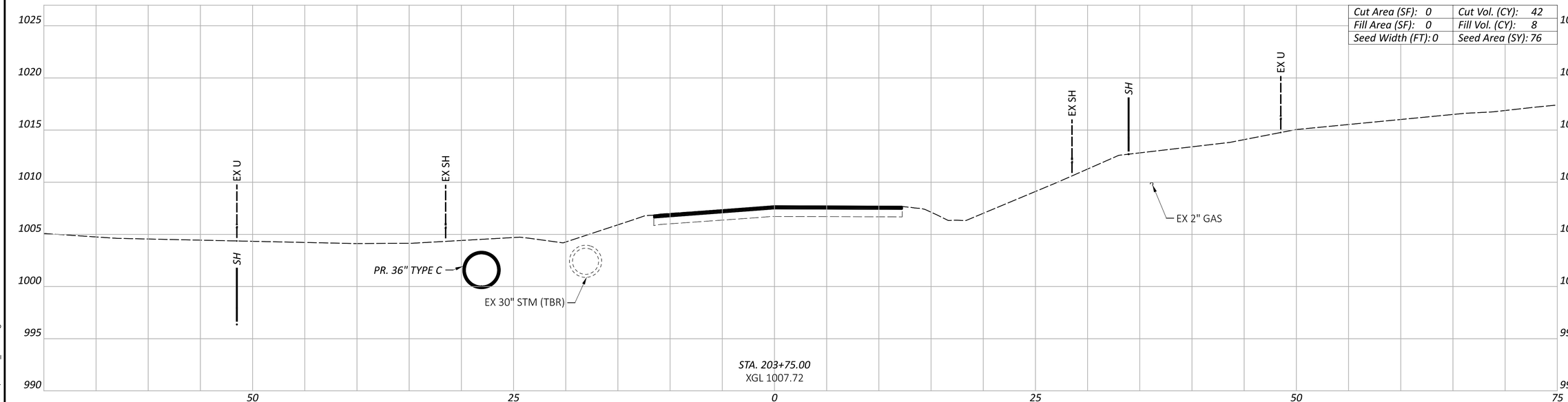
DESIGN AGENCY
AECOM

DESIGNER	VHP
REVIEWER	NSP 06/03/25
PROJECT ID	111621
SHEET	P.78
TOTAL	127

FAI-158-4.20

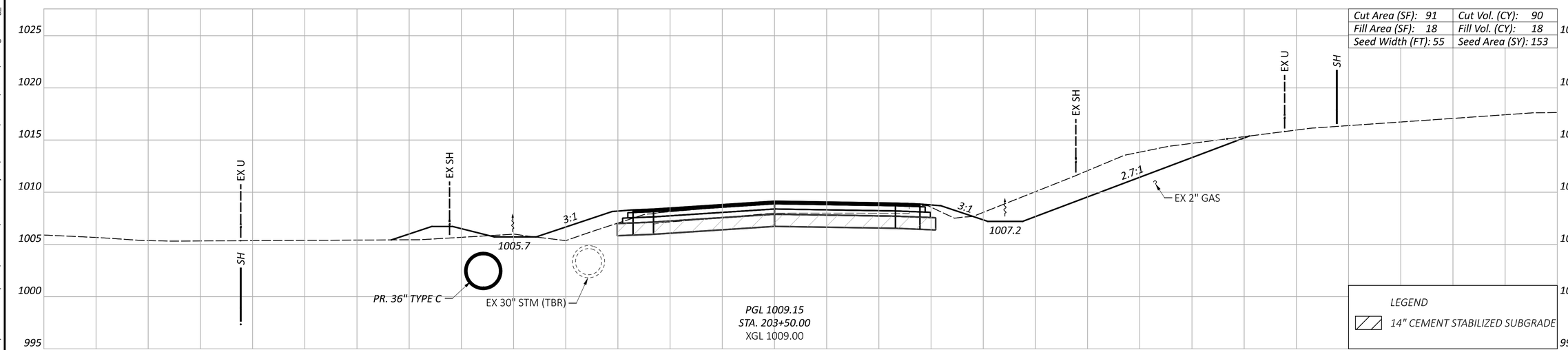
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NOTE:
SHEET TOTALS CARRIED TO SHEET P.83 .



Cut Area (SF): 0	Cut Vol. (CY): 42
Fill Area (SF): 0	Fill Vol. (CY): 8
Seed Width (FT): 0	Seed Area (SY): 76

STA. 203+75.00
XGL 1007.72



Cut Area (SF): 91	Cut Vol. (CY): 90
Fill Area (SF): 18	Fill Vol. (CY): 18
Seed Width (FT): 55	Seed Area (SY): 153

PGL 1009.15
STA. 203+50.00
XGL 1009.00

Sheet Totals		
Seeding	Cut	Fill
229	132	26

CROSS SECTIONS - COONPATH ROAD (EAST LEG)
STA. 203+50- 203+75

DESIGN AGENCY
AECOM

DESIGNER
VHP

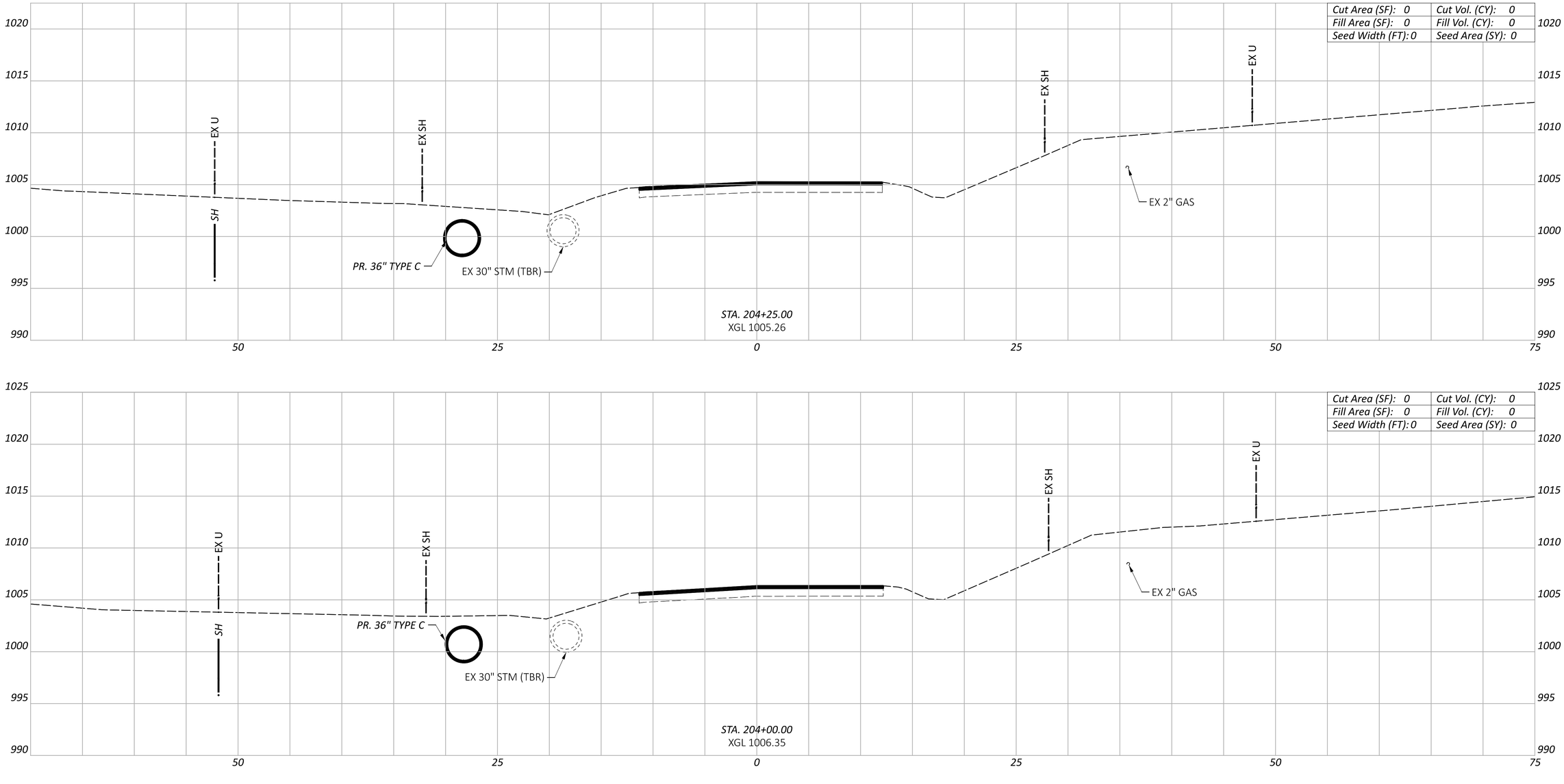
REVIEWER
NSP 06/03/25

PROJECT ID
111621

SHEET P.79 TOTAL 127

FAI-158-4.20

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CROSS SECTIONS - COONPATH ROAD (EAST LEG)
STA. 204+00 -204+25

FAI-158-4.20

MODEL: CLP_East_Leg - 204+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:55:41 AM USER: PatelV2
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DESIGN AGENCY
AECOM

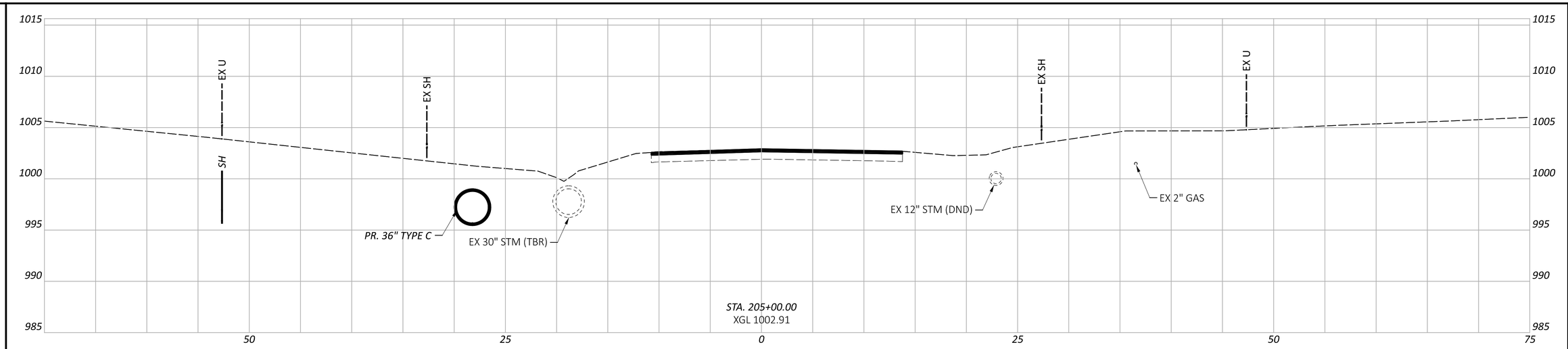
DESIGNER
VHP

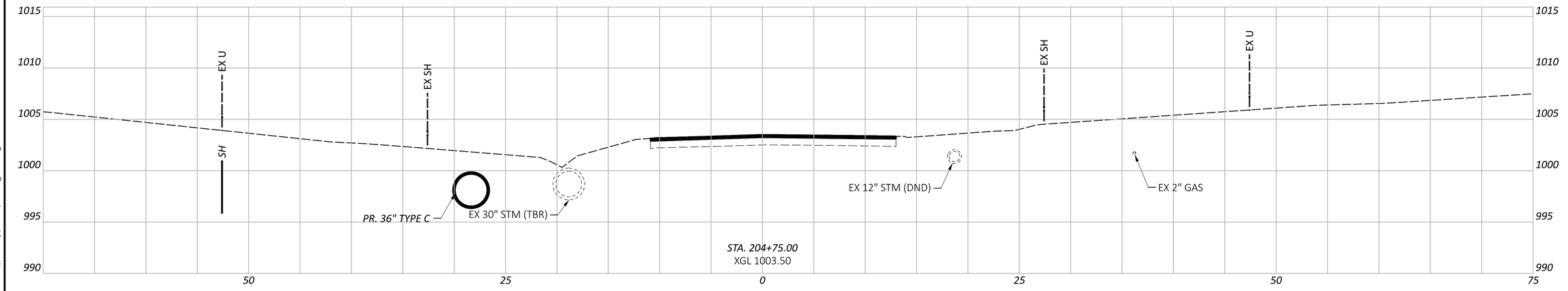
REVIEWER
NSP 06/03/25

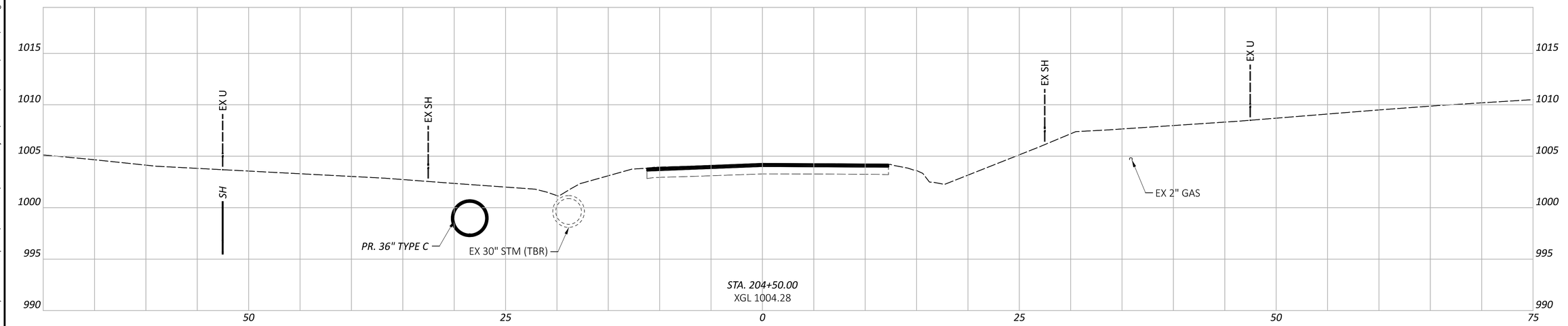
PROJECT ID
111621

Sheet Totals		
Seeding	Cut	Fill
0	0	0

SHEET	TOTAL
P.80	127







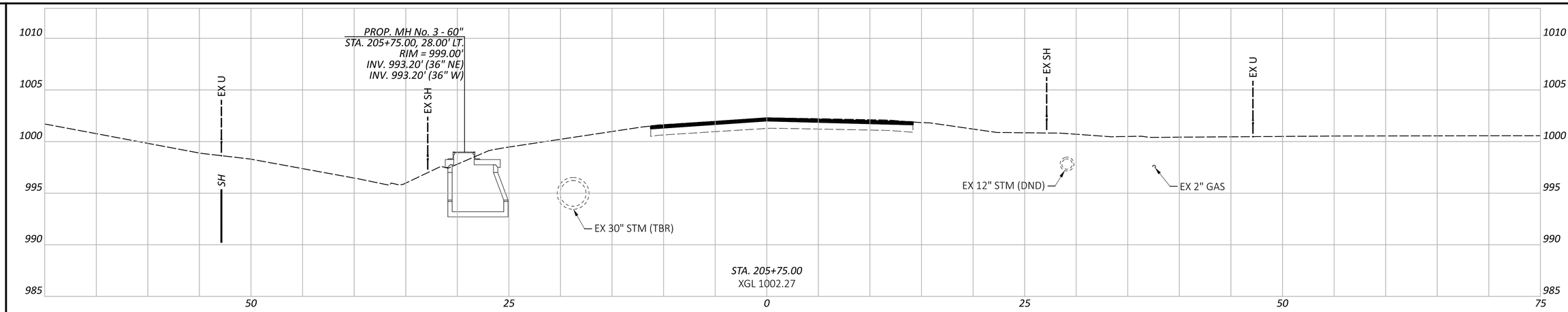
CROSS SECTIONS - COONPATH ROAD (EAST LEG)
STA. 204+50 - 205+00

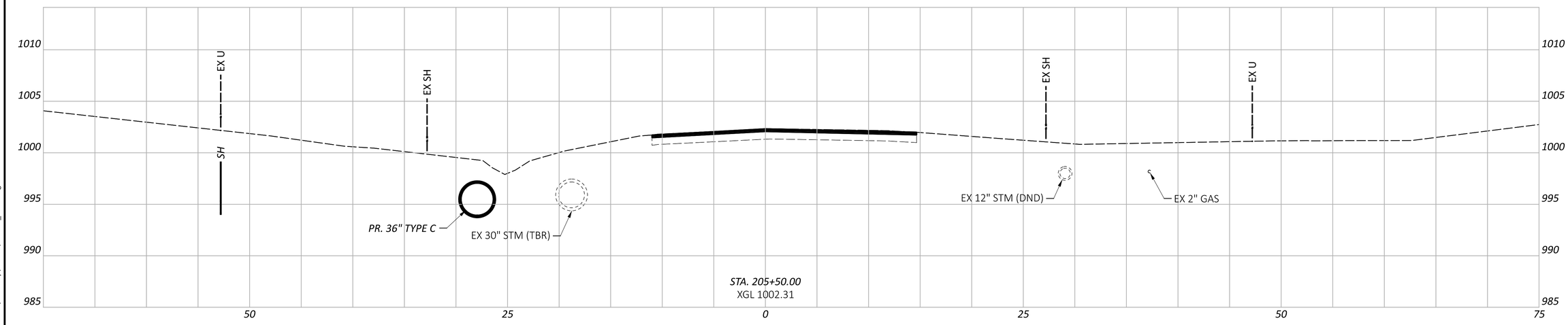
DESIGN AGENCY	AECOM
DESIGNER	VHP
REVIEWER	NSP 06/03/25
PROJECT ID	111621
SHEET	P.81
TOTAL	127

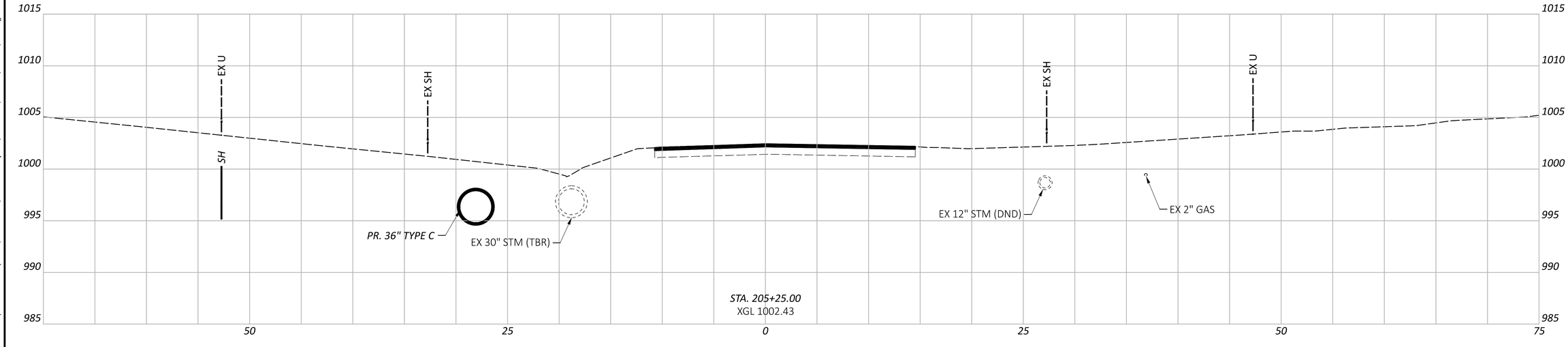
Sheet Totals		
Seeding	Cut	Fill

FAI-158-4.20

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CROSS SECTIONS - COONPATH ROAD (EAST LEG)
STA. 205+25 - 205+75

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

PROJECT ID
111621

SHEET P.82 TOTAL 127

Sheet Totals		
Seeding	Cut	Fill

FAI-158-4.20

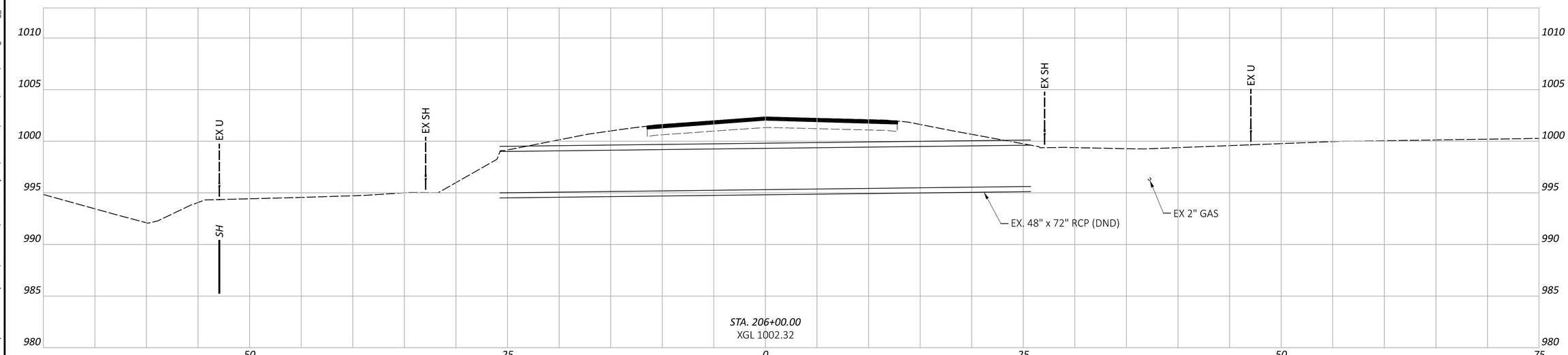
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S.R. 158 TOTALS CARRIED TO ROADWAY SUBSUMMARY	Cut Vol. (CY): 2792
	Fill Vol. (CY): 479
	Seed Area (SY): 3371

COONPATH ROAD NW TOTALS CARRIED TO ROADWAY SUBSUMMARY	Cut Vol. (CY): 2510
	Fill Vol. (CY): 379
	Seed Area (SY): 3094

ROUNDABOUT TOTALS CARRIED TO ROADWAY SUBSUMMARY	Cut Vol. (CY): 377
	Fill Vol. (CY): 784
	Seed Area (SY): 346

NOTE: ROUNDABOUT CROSS SECTIONS ALONG COONPATH ROAD ARE NOT SHOWN.
FOR ROUNDABOUT RADIAL CROSS SECTIONS, SEE SHEETS P.48 - P.55



CROSS SECTIONS - COONPATH ROAD (EAST LEG)
STA. 206+00

FAI-158-4.20

MODEL: CLP_East_Leg - 206+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:55:50 AM USER: PatelV2
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DESIGN AGENCY
AECOM

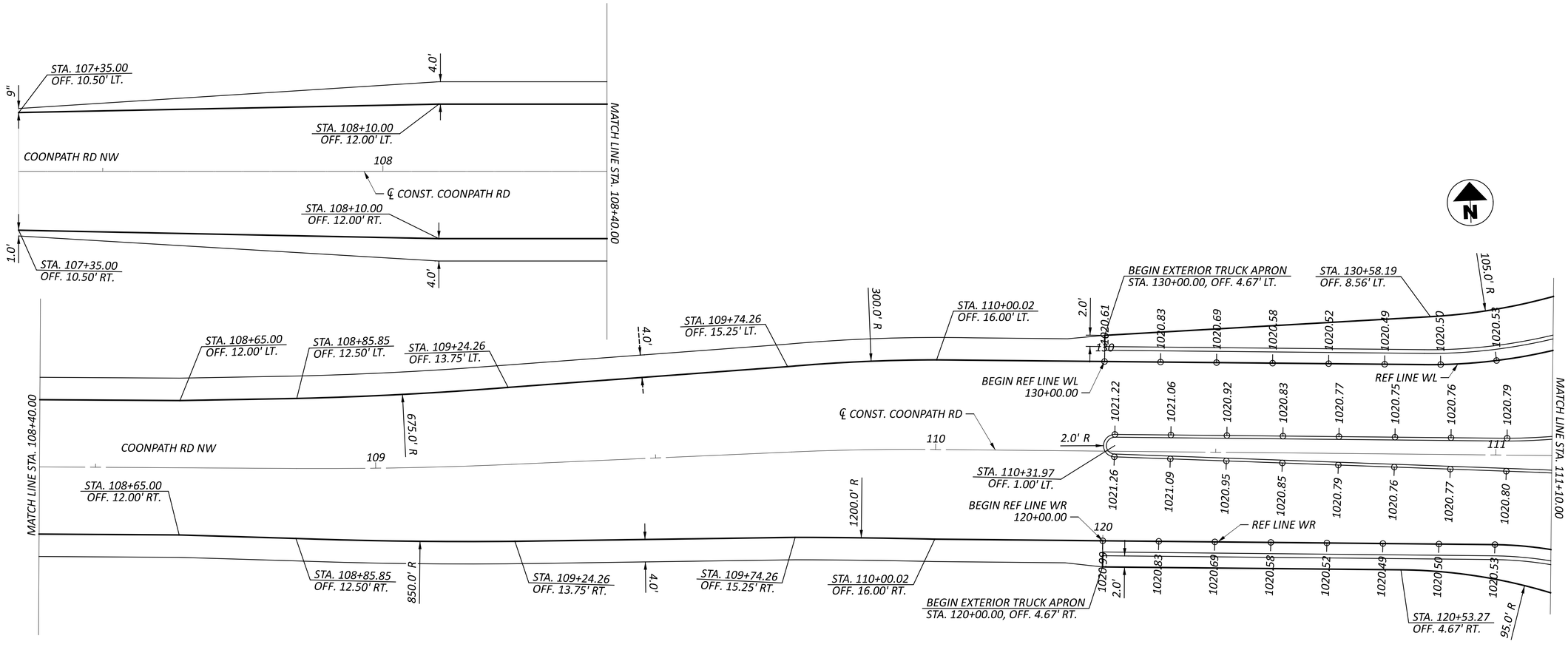
DESIGNER
VHP

REVIEWER
NSP 06/03/25

PROJECT ID
111621

Sheet Totals		
Seeding	Cut	Fill

SHEET	TOTAL
P.83	127



NOTES:

1. ALL ELEVATIONS ARE AT THE TOP OF PAVEMENT.
2. 10' TYPICAL SPACING UNLESS SHOWN OTHERWISE.
3. ISLAND ELEVATIONS SHOWN AT PC/PT AND SOME MID-POINT.
4. SEE ROUNDABOUT PROFILE SHEETS P.88-P.89 FOR ELEVATIONS ALONG REF. LINES: WL, WR, EL, AND ER.
5. CURB FOR APPROACH ENDS OF MEDIAN NOSES SHALL BE VERTICALLY TAPERED FROM 2" TO 6" IN HEIGHT OVER 10' PER ODOT SCD RM-3.1.

HORIZONTAL SCALE IN FEET
0 5 10 20

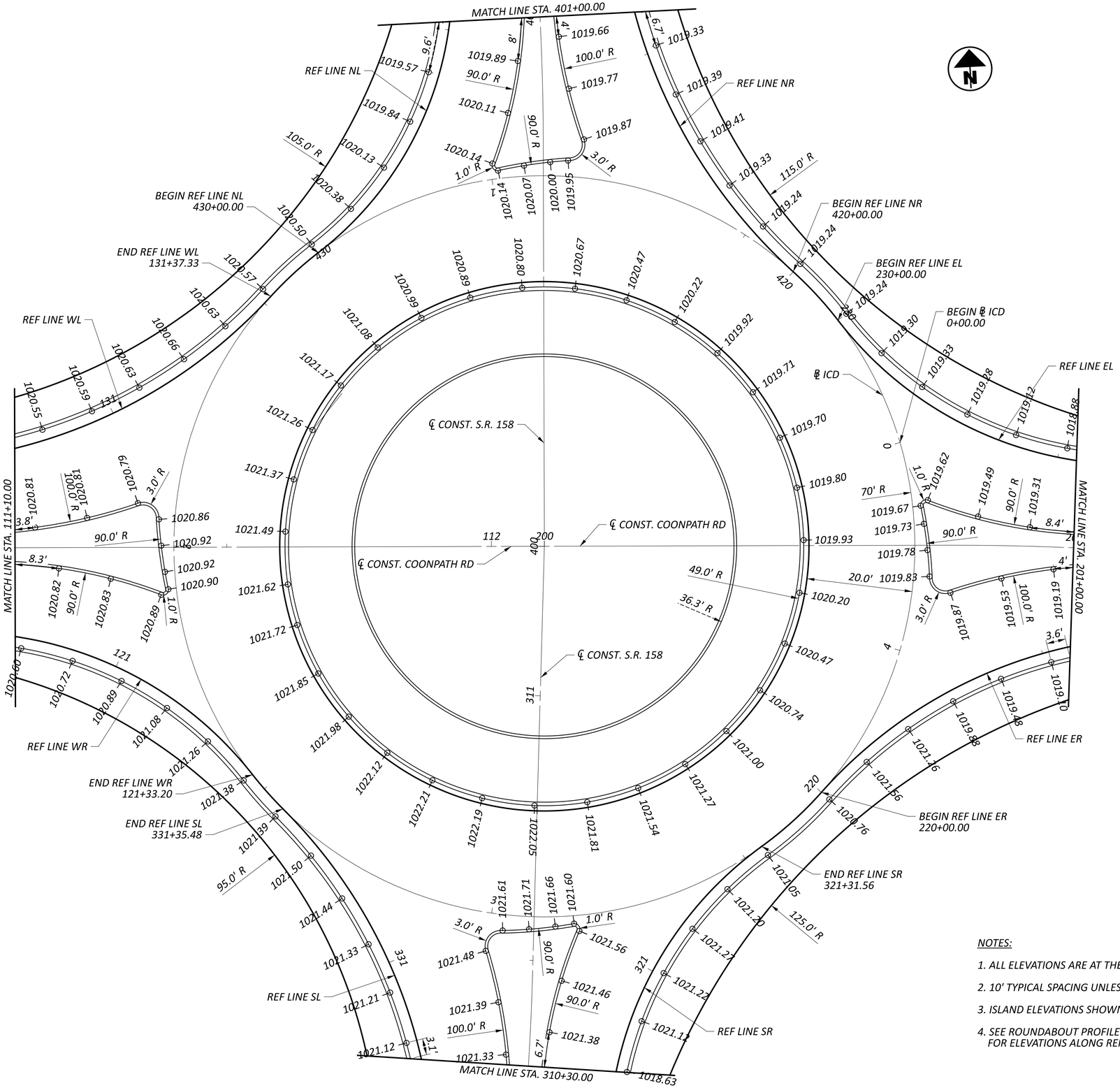
PAVEMENT DETAILS COONPATH ROAD

FAI-158-4.20

MODEL: CLP_East_Leg - East Leg [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:56:29 AM USER: PatelV2
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DESIGN AGENCY
AECOM

DESIGNER VHP
REVIEWER NSP 06/03/25
PROJECT ID 111621
SHEET P.84 TOTAL 127



HORIZONTAL SCALE IN FEET
0 5 10 20

PAVEMENT DETAILS ROUNDABOUT

NOTES:

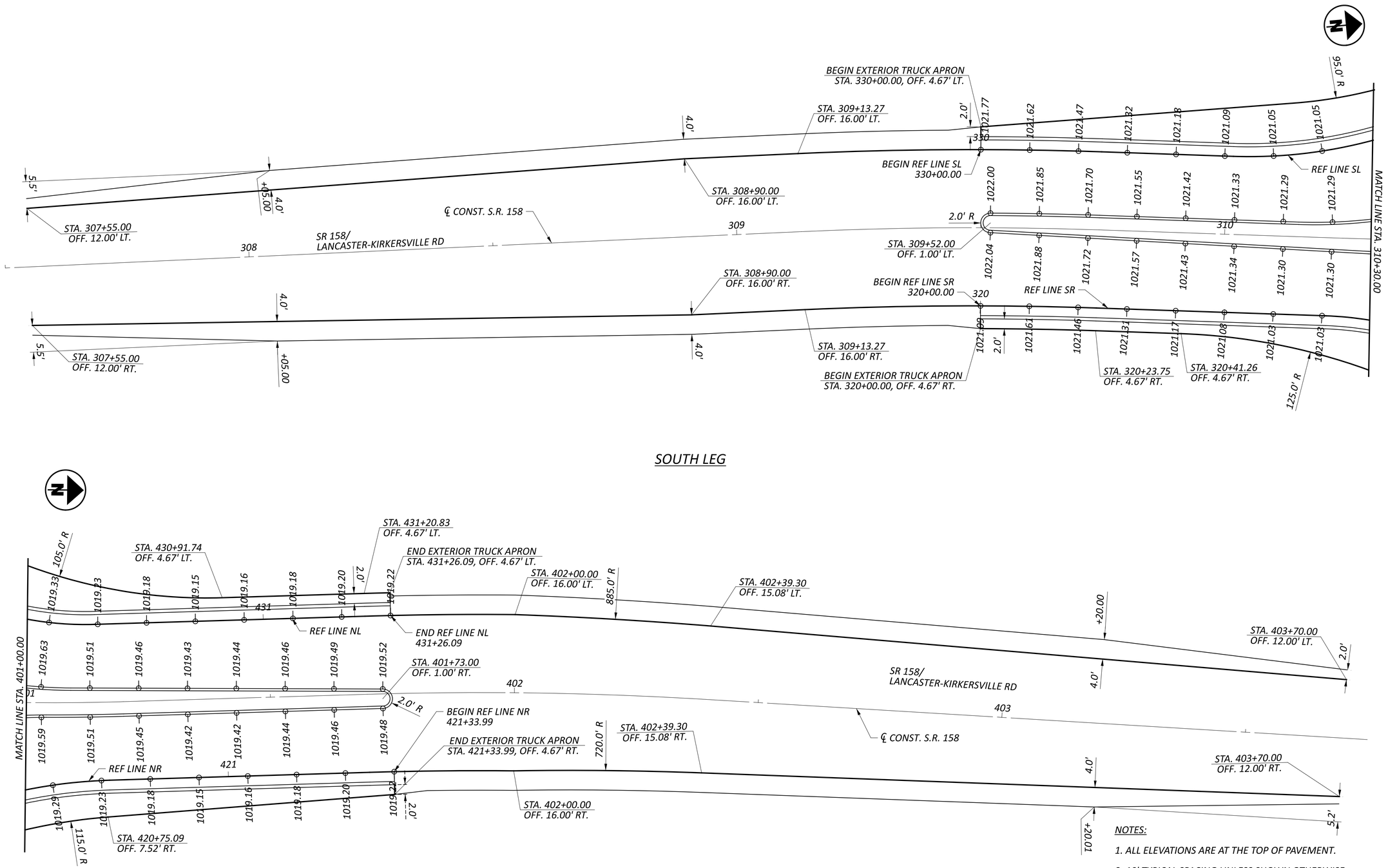
1. ALL ELEVATIONS ARE AT THE TOP OF PAVEMENT.
2. 10' TYPICAL SPACING UNLESS SHOWN OTHERWISE.
3. ISLAND ELEVATIONS SHOWN AT PC/PT AND SOME MID-POINT.
4. SEE ROUNDABOUT PROFILE SHEET P.88 - P.91 FOR ELEVATIONS ALONG REF. LINES

DESIGN AGENCY
AECOM

DESIGNER VHP
REVIEWER NSP 06/03/25
PROJECT ID 111621
SHEET P.85 TOTAL 127

FAI-158-4.20

MODEL: CLP_East_Leg - Roundabout [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:56:33 AM USER: PatelV2
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NOTES:

1. ALL ELEVATIONS ARE AT THE TOP OF PAVEMENT.
2. 10' TYPICAL SPACING UNLESS SHOWN OTHERWISE.
3. ISLAND ELEVATIONS SHOWN AT PC/PT AND SOME MID-POINT.
4. SEE ROUNDABOUT PROFILE SHEETS P.90 P.91 FOR ELEVATIONS ALONG REF. LINES: SL, SR, NL, AND NR.
5. CURB FOR APPROACH ENDS OF MEDIAN NOSES SHALL BE VERTICALLY TAPERED FROM 2" TO 6" IN HEIGHT OVER 10' PER ODOT SCD RM-3.1.

HORIZONTAL SCALE IN FEET
0 5 10 20

PAVEMENT DETAILS
S.R. 158

DESIGN AGENCY
AECOM

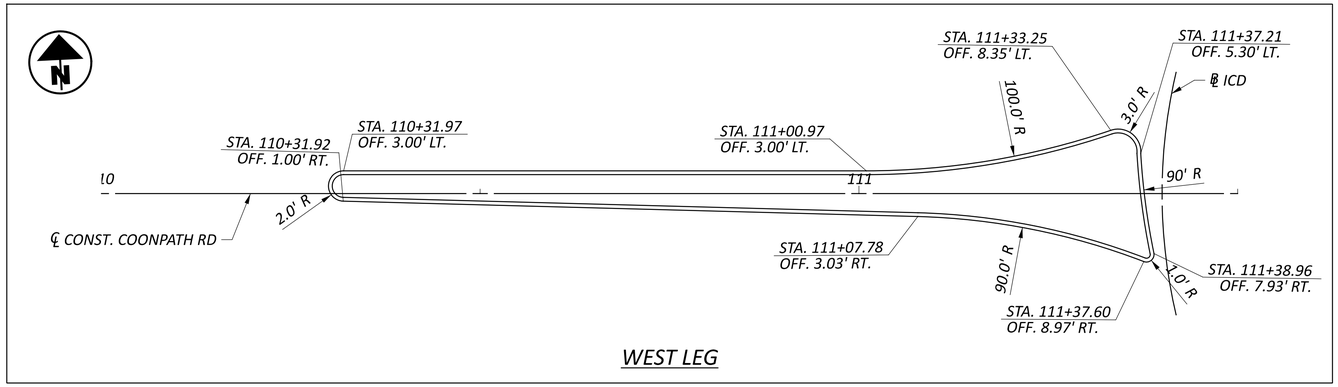
DESIGNER VHP
REVIEWER NSP 06/03/25
PROJECT ID 111621
SHEET P.86 TOTAL 127

FAI-158-4.20

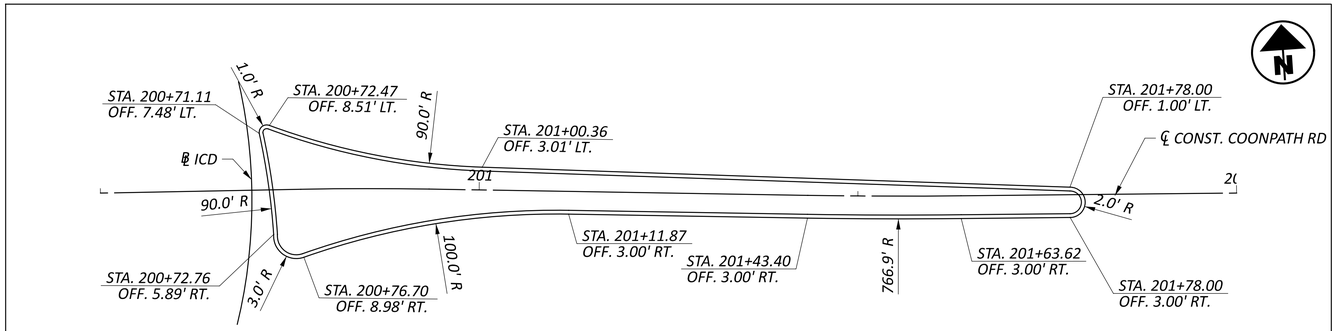
MODEL: CLP_North_Leg - North Leg [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:56:33 AM USER: PatelV2
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NOTE:

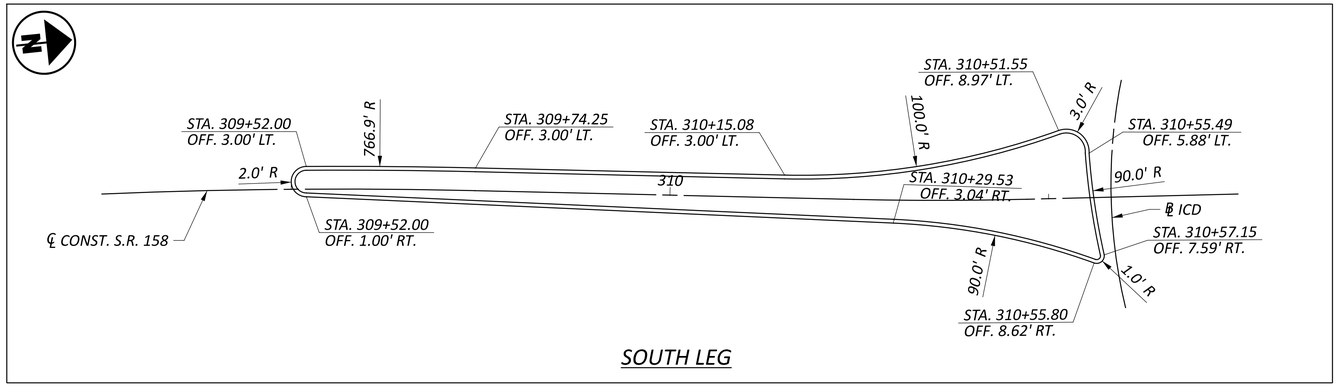
1. CURB FOR APPROACH ENDS OF MEDIAN NOSES SHALL BE VERTICALLY TAPERED FROM 2" TO 6" IN HEIGHT OVER 10' PER ODOT SCD RM-3.1.



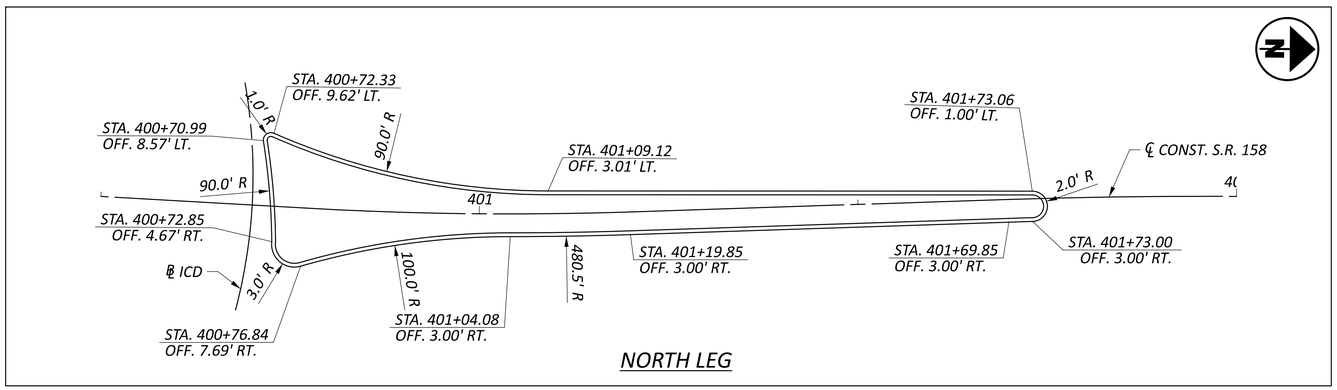
WEST LEG



EAST LEG



SOUTH LEG



NORTH LEG

HORIZONTAL SCALE IN FEET
0 5 10 20

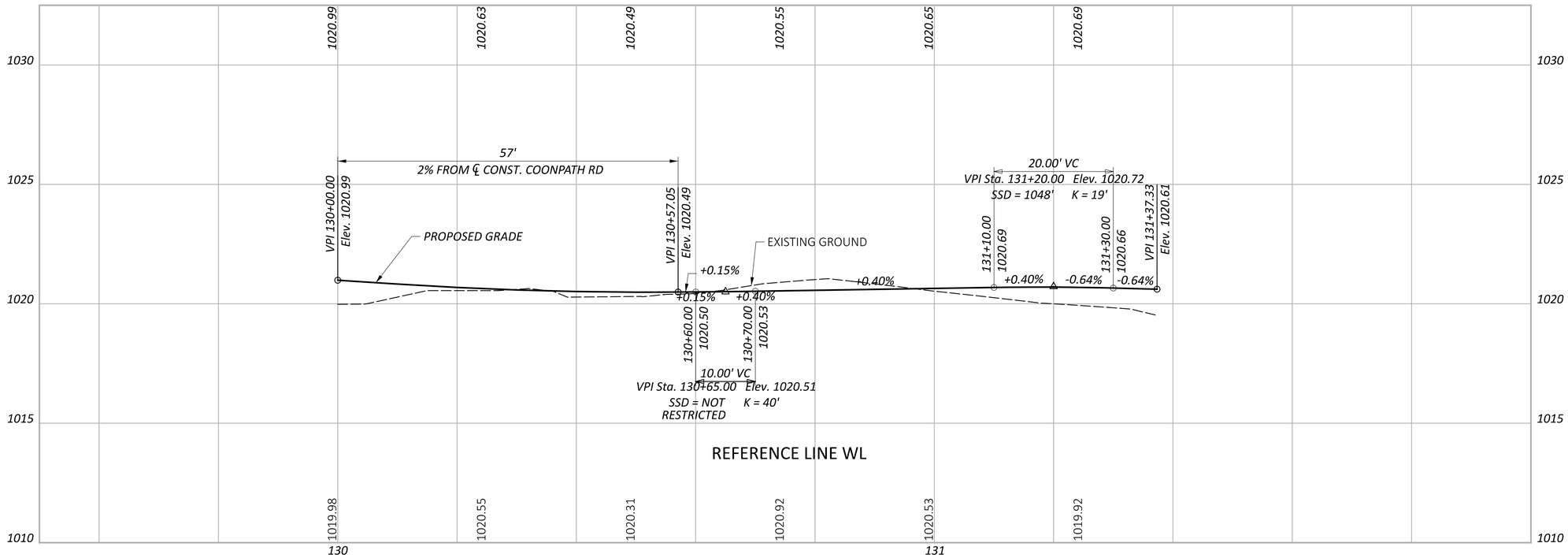
SPLITTER ISLAND DETAIL

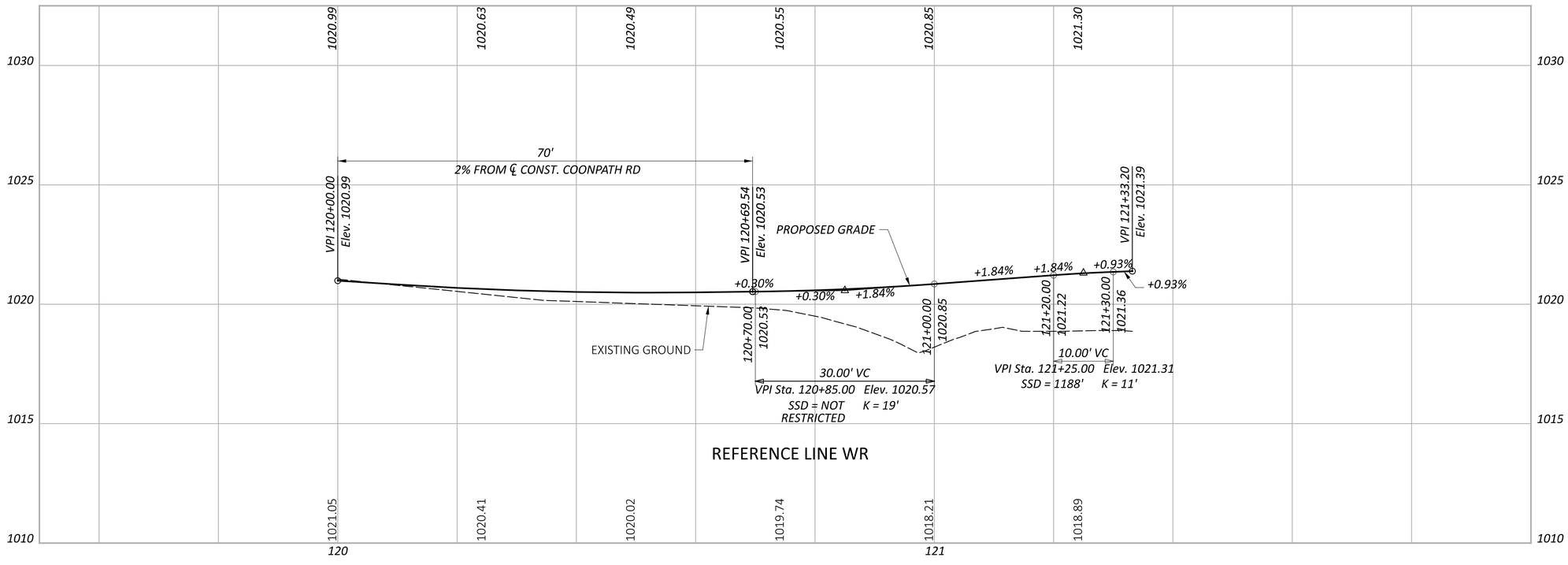
DESIGN AGENCY
AECOM

DESIGNER VHP
REVIEWER NSP 06/03/25
PROJECT ID 111621
SHEET P.87 TOTAL 127

FAI-158-4.20

MODEL: CLP_West_Leg - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:56:49 AM USER: PatelV2
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ROUNDABOUT PROFILES - COONPATH ROAD
REFERENCE LINE WR AND WL

DESIGN AGENCY
AECOM

DESIGNER
VHP

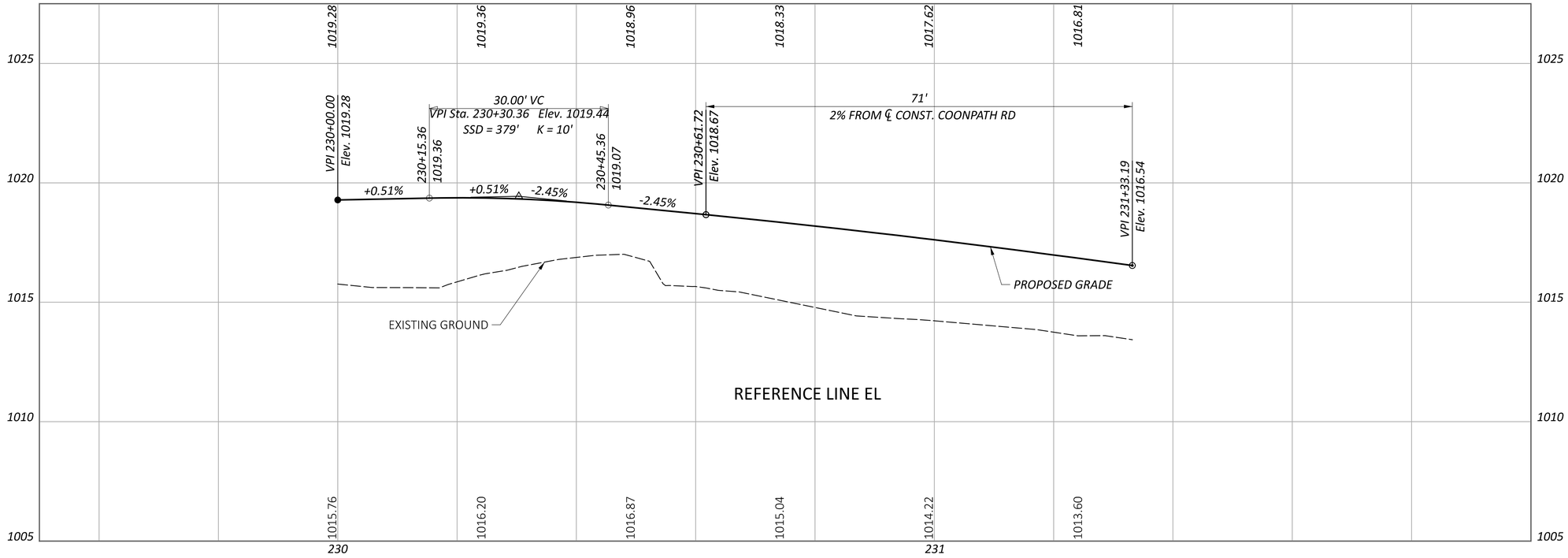
REVIEWER
NSP 06/03/25

PROJECT ID
111621

SHEET P.88 | TOTAL 127

FAI-158-4.20

MODEL: CLP_WR - CLP_WR [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 9:30:14 AM USER: PatelV2
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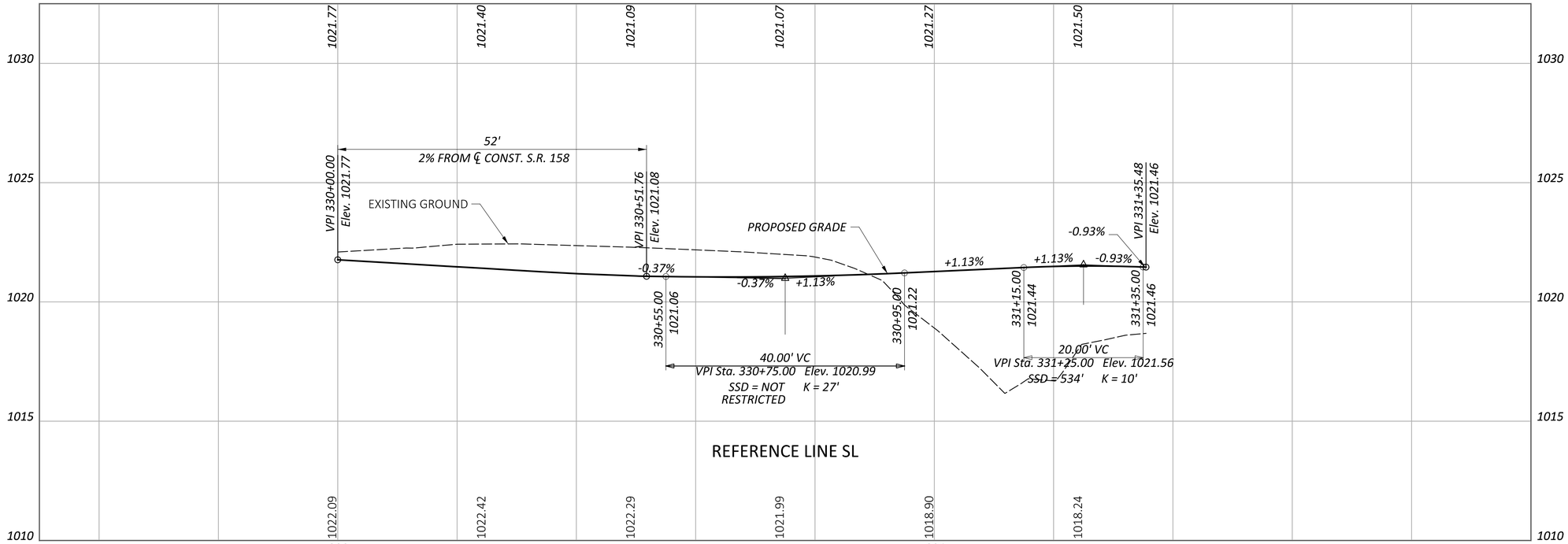
ROUNDABOUT PROFILES - COONPATH RD
REFERENCE LINE ER AND EL

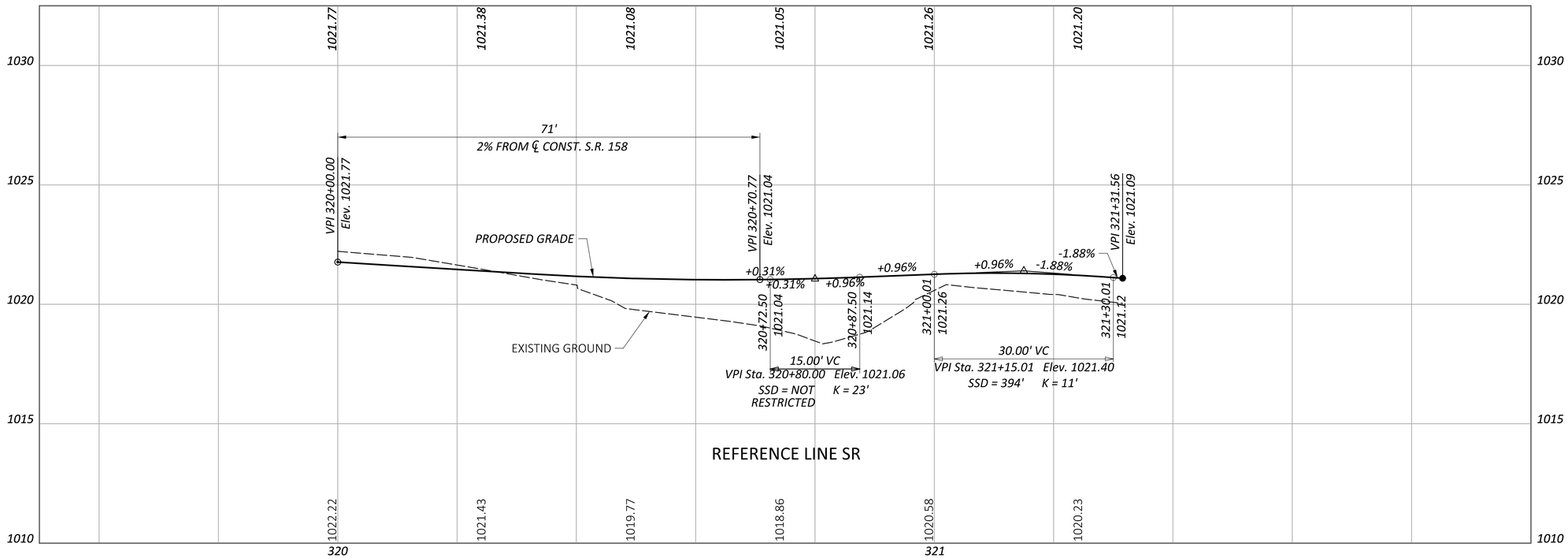
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DESIGN AGENCY
AECOM

DESIGNER	VHP
REVIEWER	NSP 06/03/25
PROJECT ID	111621
SHEET	P.89
TOTAL	127





ROUNDABOUT PROFILES - S.R. 158
REFERENCE LINE SR AND SL

DESIGN AGENCY
AECOM

DESIGNER
VHP

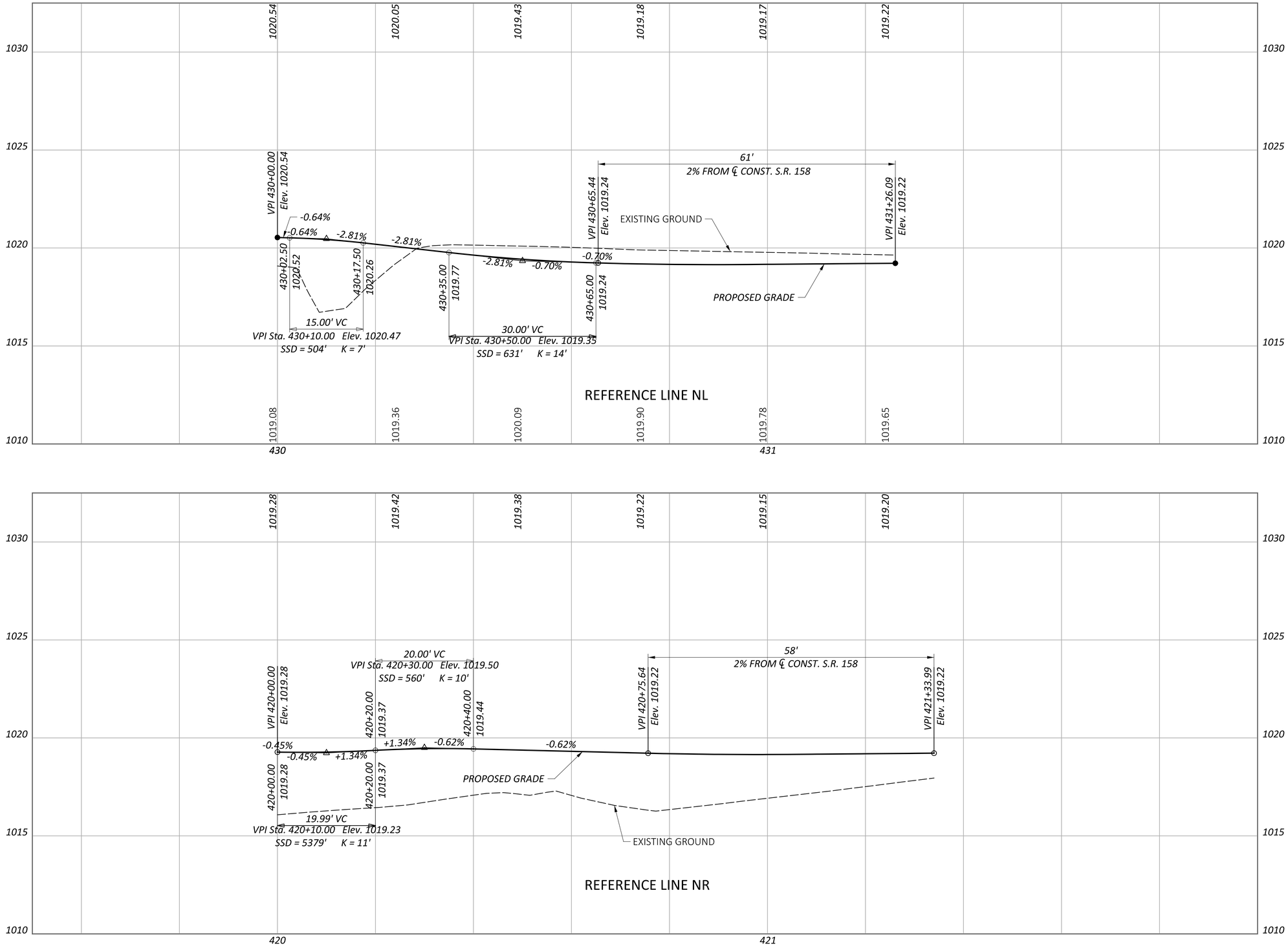
REVIEWER
NSP 06/03/25

PROJECT ID
111621

SHEET P.90 | TOTAL 127

FAI-158-4.20

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ROUNDABOUT PROFILES - S.R. 158
REFERENCE LINE NR AND NL

DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

PROJECT ID
111621

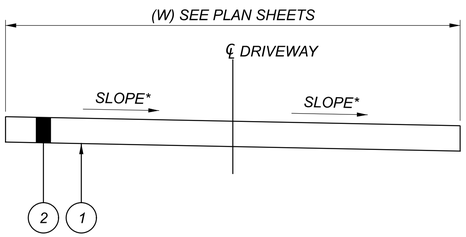
SHEET P.91 TOTAL 127

FAI-158-4.20

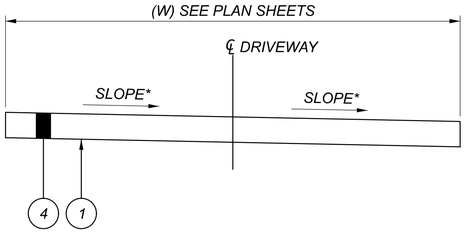
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LEGEND

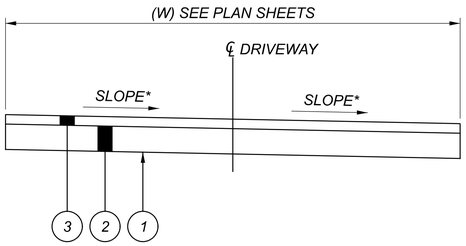
1. ITEM 204 - SUBGRADE COMPACTION
2. ITEM 304 - AGGREGATE BASE [T=8" GRAVEL DRIVE, 6" ASPHALT DRIVE]
3. ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS) [T=2"]
4. ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1P



RESIDENTIAL AGGRREGATE DRIVE

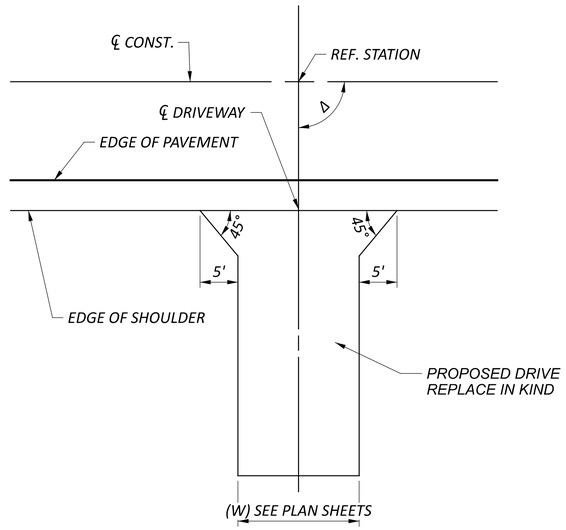


RESIDENTIAL CONCRETE DRIVE

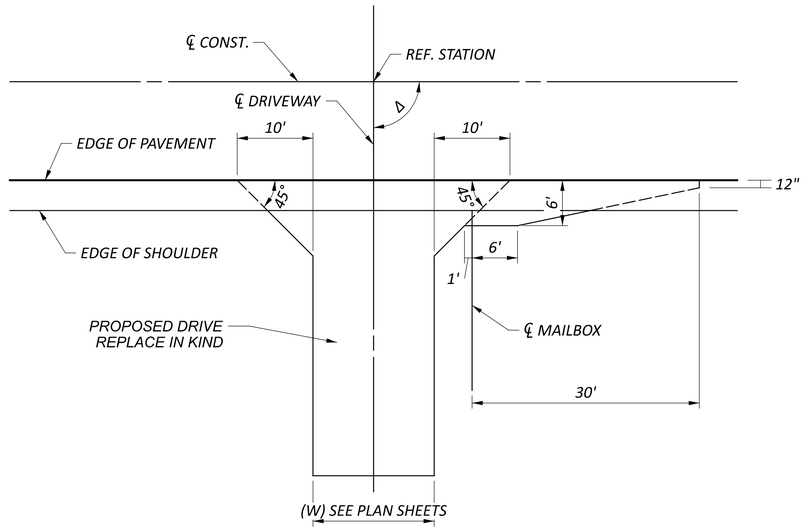


RESIDENTIAL ASPHALT DRIVE

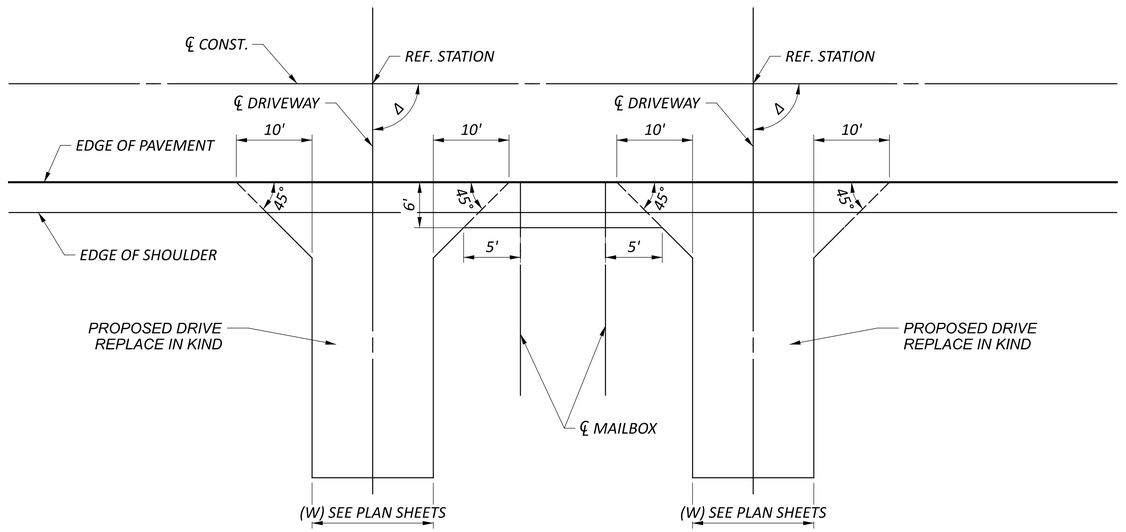
* SLOPE TO MATCH EXISTING OR SLOPED TO THE LOW SIDE AT 0.5% MIN. (PAVED) OR 2% MIN. (AGGREGATE)



UNCURBED DRIVEWAY ALONG UNCURBED ROADWAY
NOT TO SCALE



UNCURBED DRIVEWAY ALONG UNCURBED ROADWAY
WITH MAILBOX APPROACH
NOT TO SCALE



UNCURBED DRIVEWAY ALONG UNCURBED ROADWAY
WITH DOUBLE MAILBOX APPROACH
NOT TO SCALE

DRIVE DETAILS

DESIGN AGENCY
AECOM

DESIGNER
KB

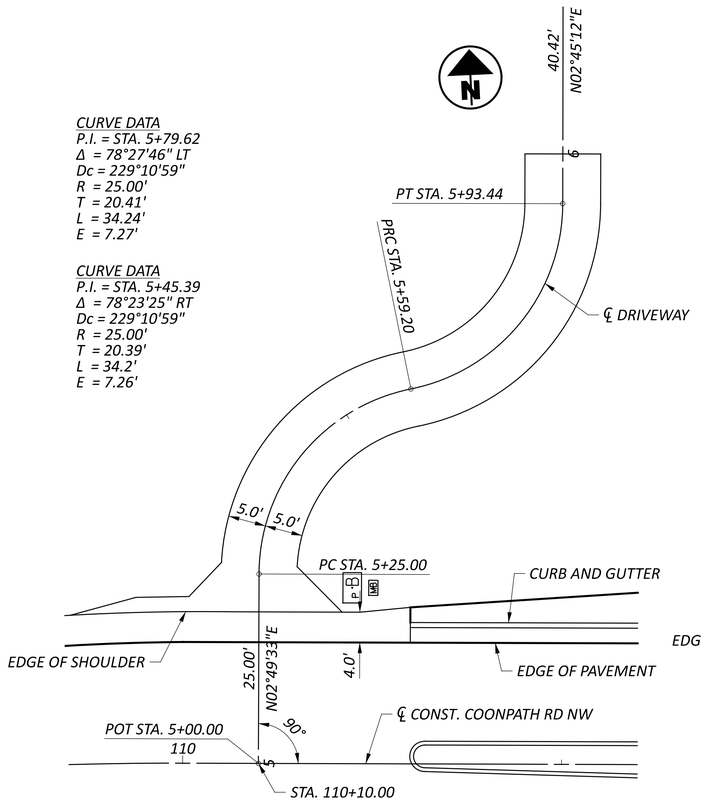
REVIEWER
NSP 06/03/25

PROJECT ID
111621

SHEET P.92 TOTAL 127

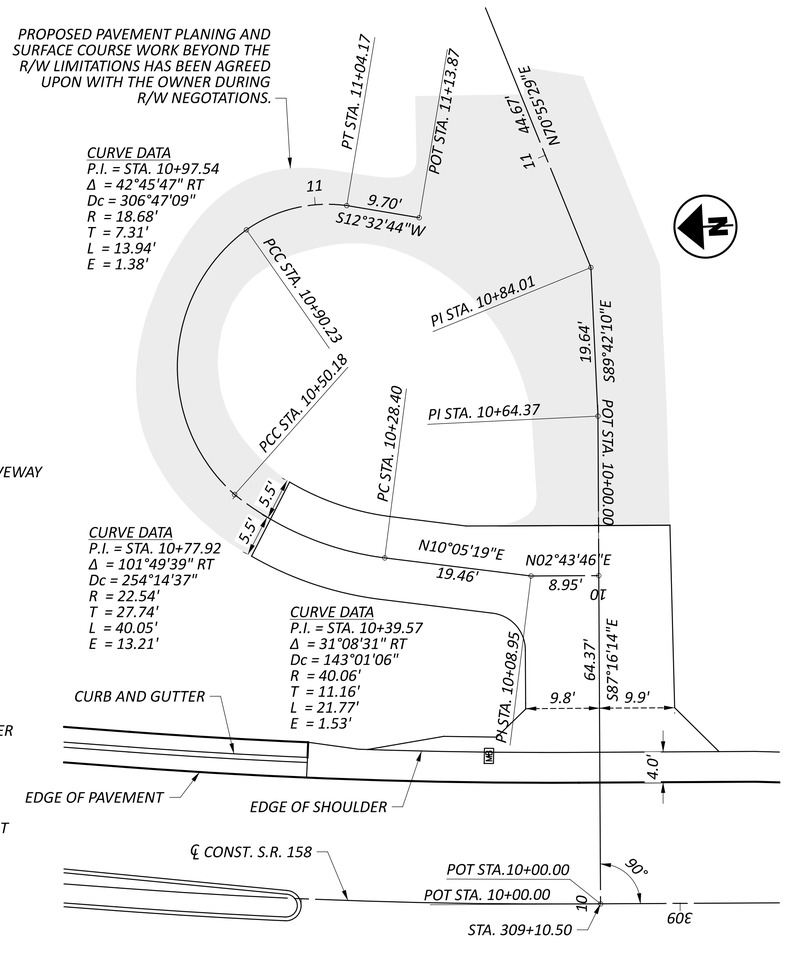
FAI-158-4.20

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:57:29 AM USER: PatelV2
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DR5

10' CONCRETE UNCURBED DRIVEWAY ALONG UNCURBED ROADWAY
WITH MAILBOX APPROACH
NOT TO SCALE

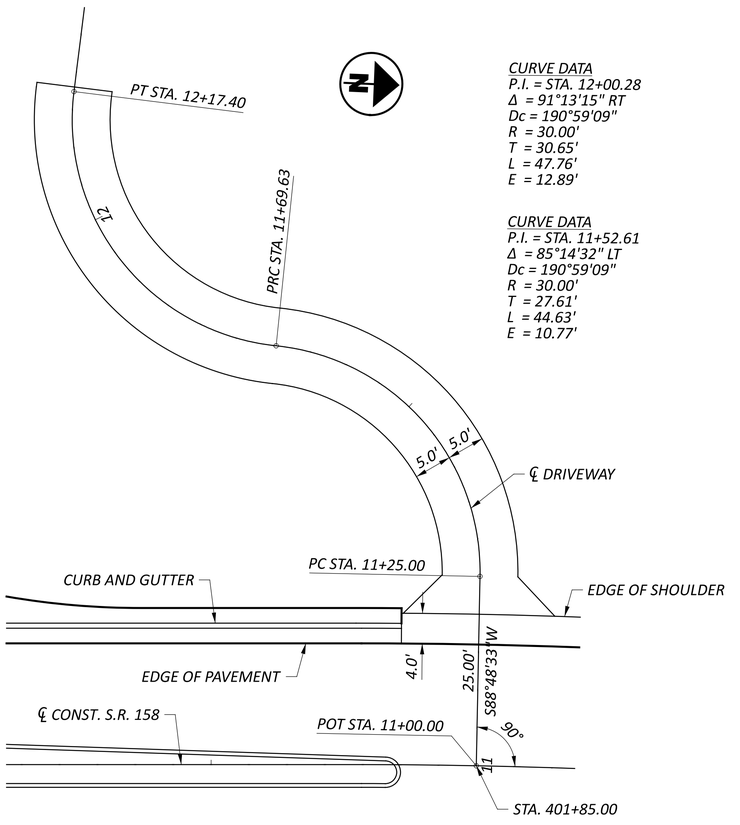


DR10A

19.7' ASPHALT UNCURBED DRIVEWAY ALONG UNCURBED ROADWAY
WITH MAILBOX APPROACH
NOT TO SCALE

DR10B

11' ASPHALT UNCURBED DRIVEWAY ALONG UNCURBED DRIVEWAY
NOT TO SCALE



DR11

10' CONCRETE UBCURBED DRIVEWAY ALONG UNCURBED ROADWAY
WITH MAILBOX APPROACH
NOT TO SCALE

DRIVE DETAILS

DESIGN AGENCY
AECOM

DESIGNER
VHP

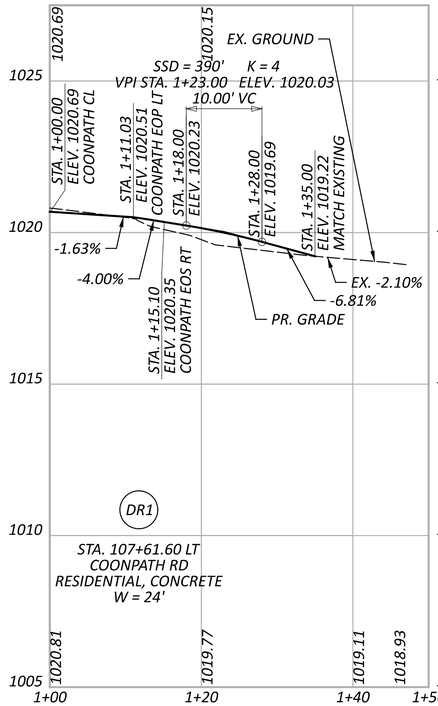
REVIEWER
NSP 06/03/25

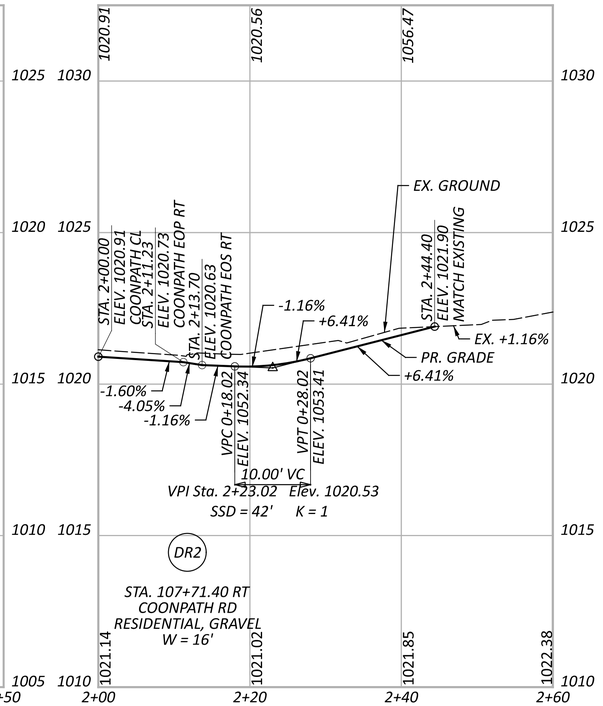
PROJECT ID
111621

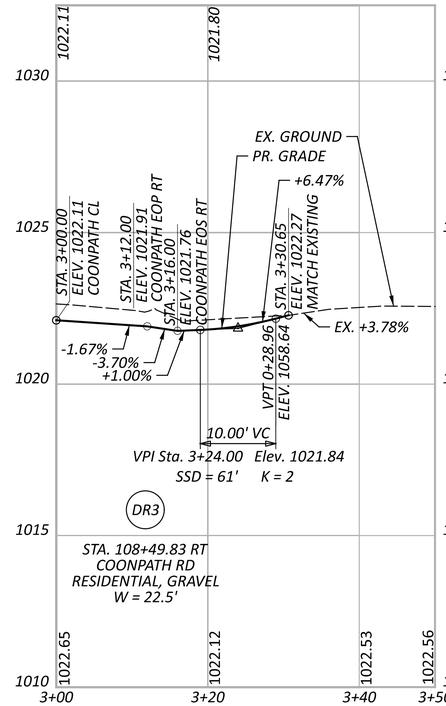
SHEET P.93 TOTAL 127

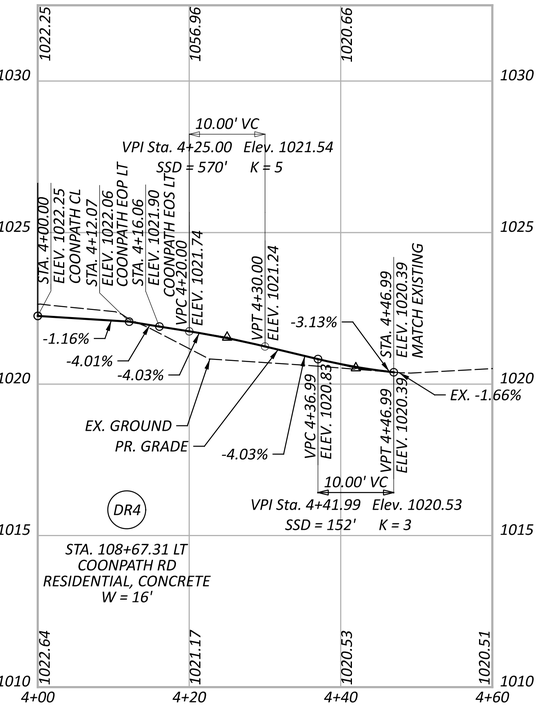
FAI-158-4.20

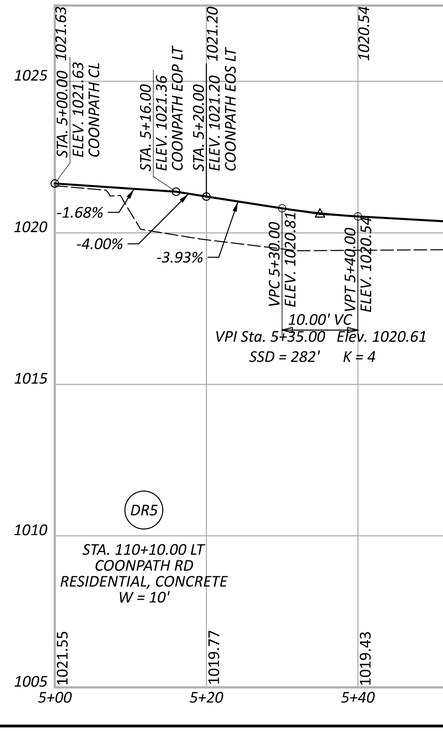
MODEL: CLP_West_Leg - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:57:45 AM USER: PatelV2
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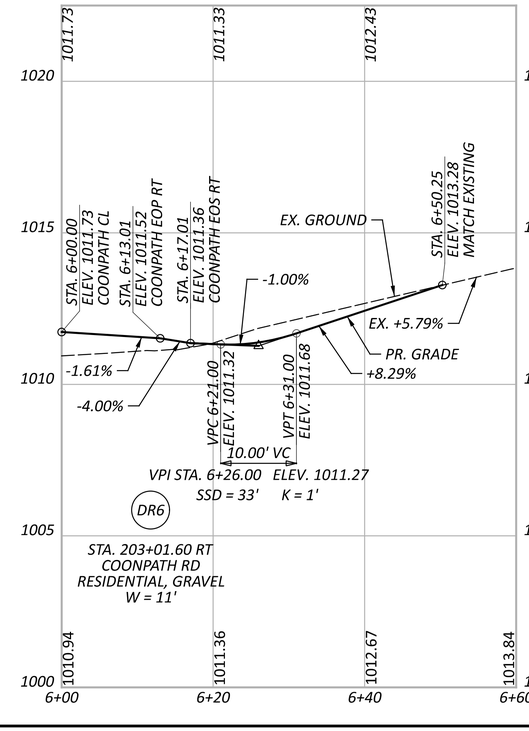


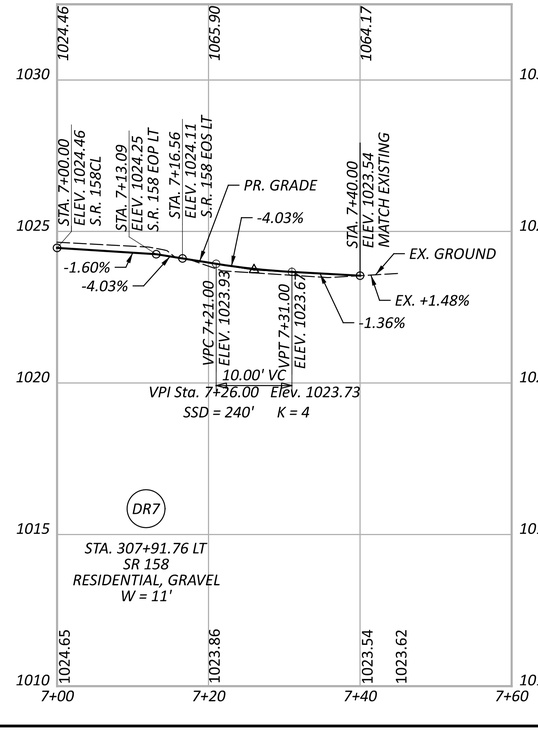












DRIVE PROFILES
DRIVE 1 TO DRIVE 7

DESIGN AGENCY
AECOM

DESIGNER
KB

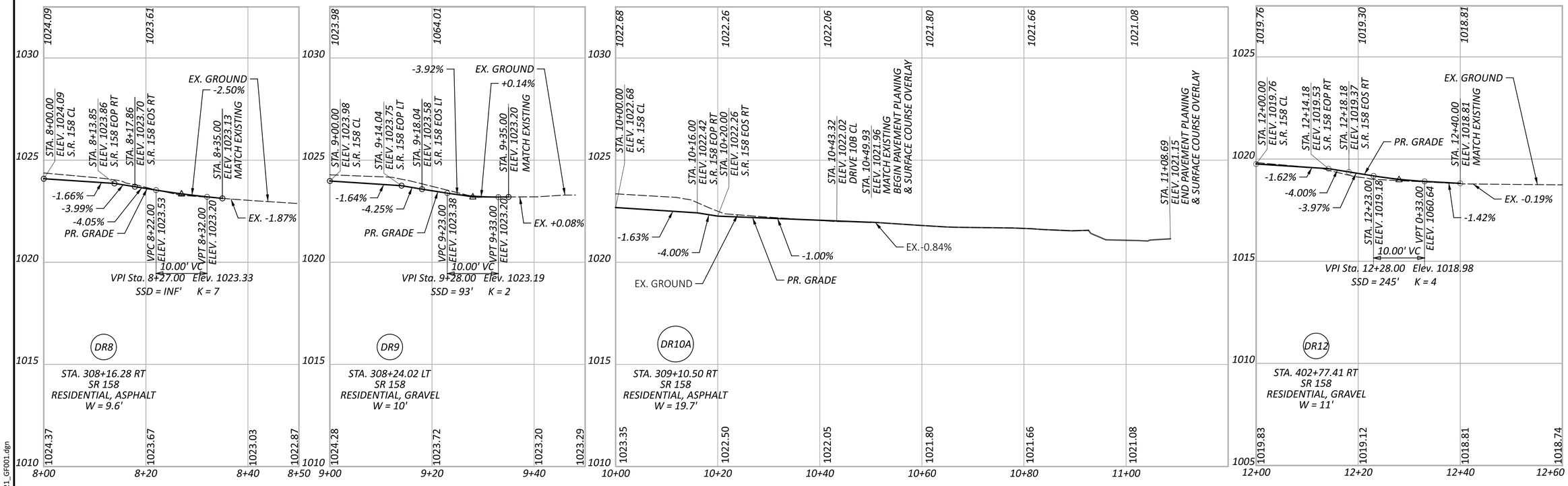
REVIEWER
NSP 06/03/25

PROJECT ID
111621

SHEET P.94 TOTAL 127

FAI-158-4.20

MODEL: Drives Profile 01 to 07 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:58:08 AM USER: PatelV2
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DRIVE PROFILES
DRIVE 8 TO DRIVE 12

FAI-158-4.20

MODEL: Drive Profiles 08 to 12 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:58:09 AM USER: PatelV2
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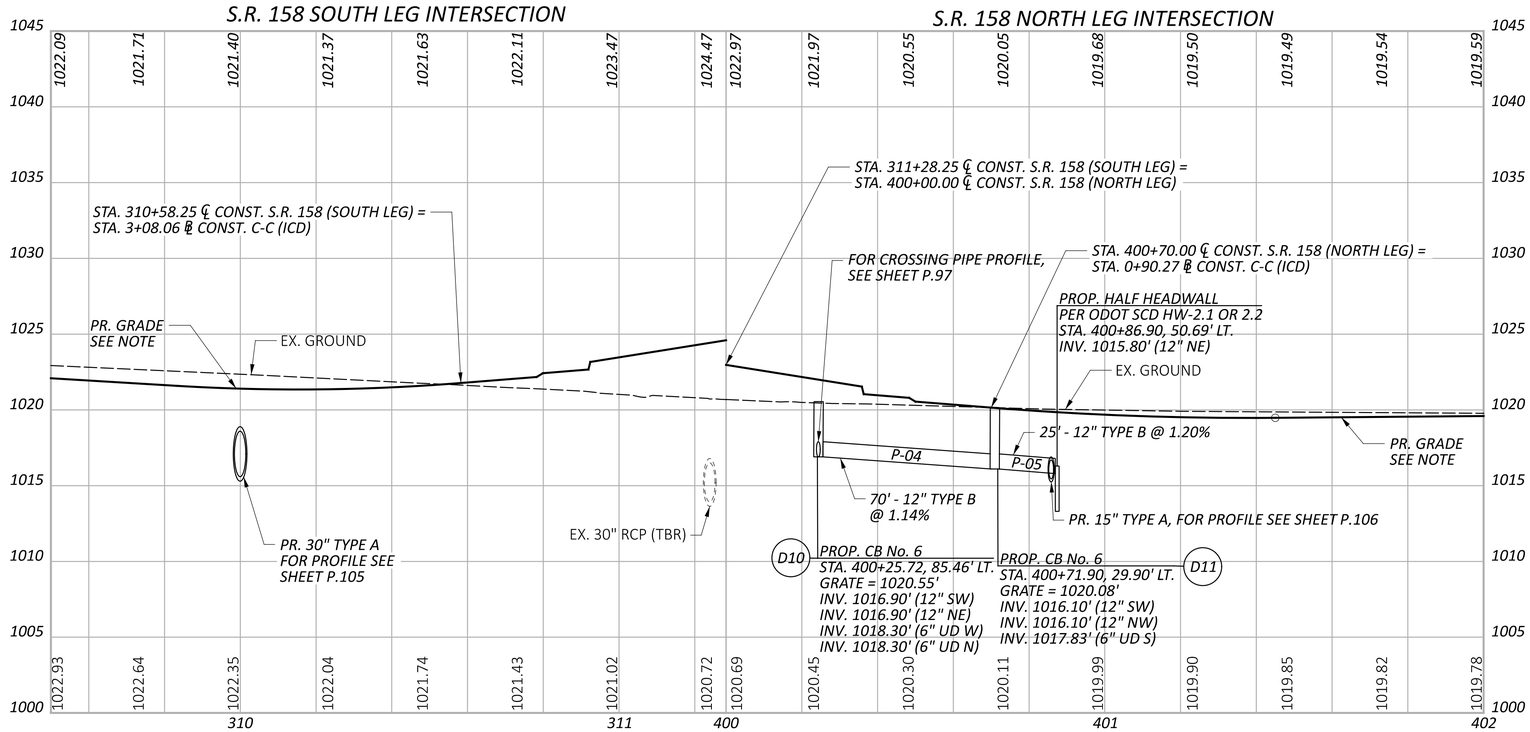
DESIGN AGENCY
AECOM

DESIGNER
KB

REVIEWER
NSP 06/03/25

PROJECT ID
111621

SHEET P.95 TOTAL 127



NOTE:

FOR PROPOSED ROADWAY PROFILE DETAILS, SEE SHEET P.35 .

DRAINAGE CONDUIT DETAILS									
REF. NO.	CFN	LENGTH (FT)	SIZE	TYPE	SLOPE	START STRUCT. REF. NO.	START INVERT ELEV.	STOP STRUCT. REF. NO.	STOP INVERT ELEV.
P-04	1997410	70.00	12"	TYPE B	1.14%	D10	1016.90	D11	1016.10
P-05	1997411	25.00	12"	TYPE B	1.20%	D11	1016.10	OUTLET	1015.80

HORIZONTAL SCALE IN FEET
0 10 20 40

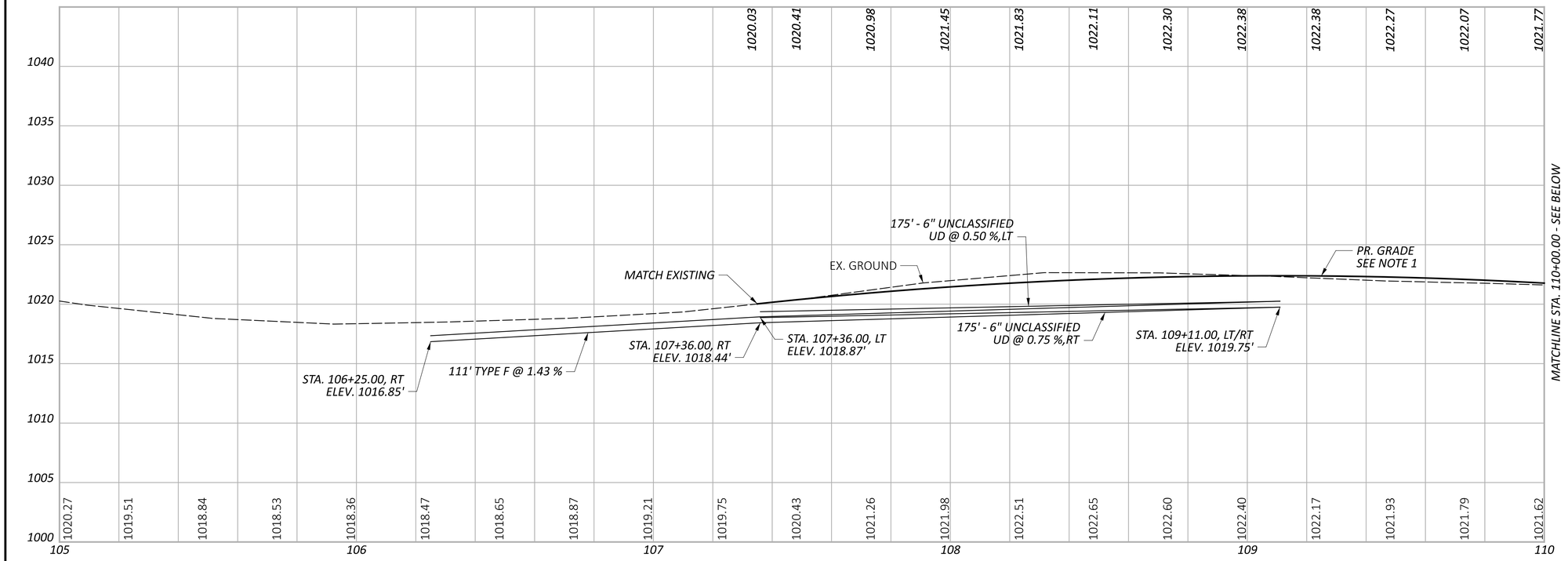
STORM SEWER PROFILE
S.R. 158 - STA 309+50 TO END WORK

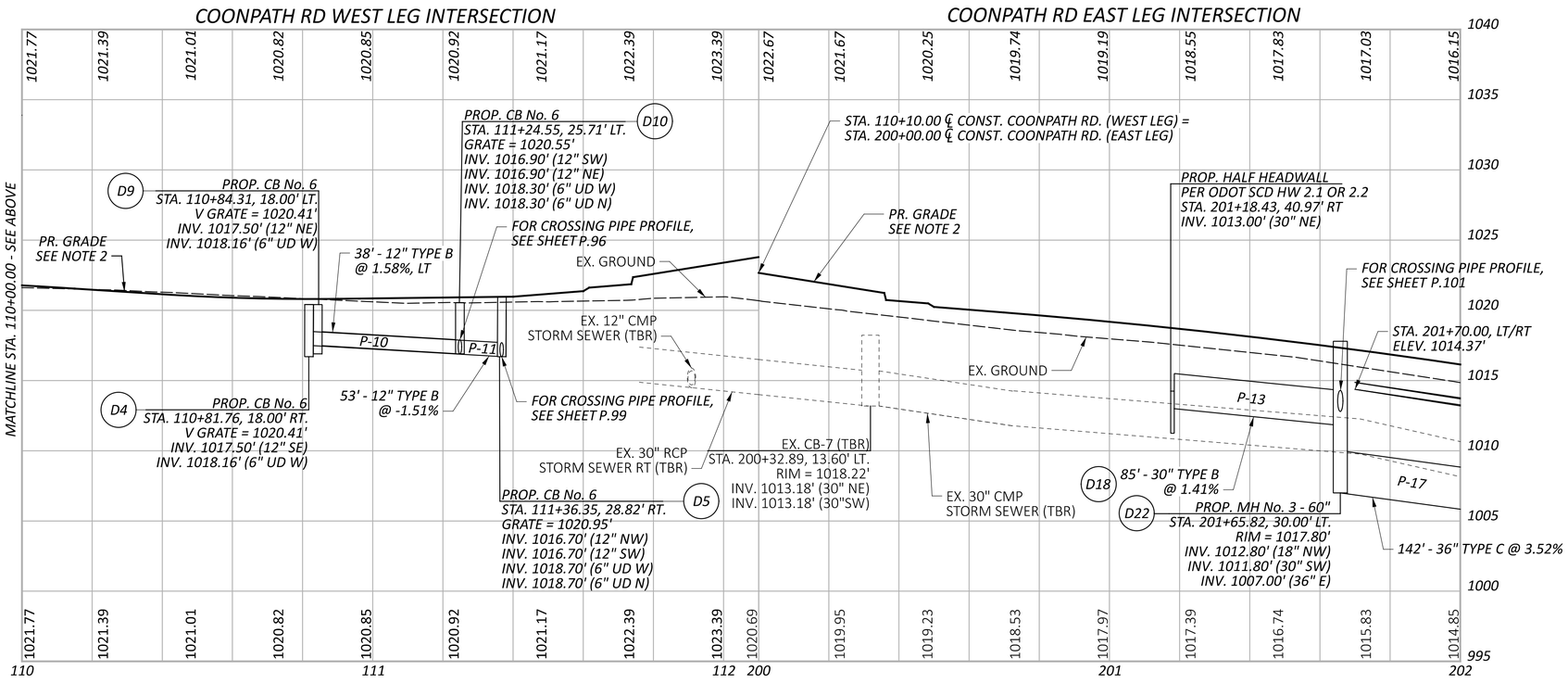
DESIGN AGENCY
AECOM

DESIGNER HG
REVIEWER NSP 06/03/25
PROJECT ID 111621
SHEET P.96 TOTAL 127

FAI-158-4.20

MODEL: Roundabout - North and South - Storm Sewer [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:58:33 AM USER: PatelV2
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\111621\402-Engineering_AECOM\Drainage\Sheets\111621_DF002.dgn





NOTE:

1. *FOR PROPOSED ROADWAY PROFILE DETAILS, SEE SHEET P.37 .*

2. *FOR PROPOSED ROADWAY PROFILE DETAILS, SEE SHEET P.35 .*

HORIZONTAL SCALE IN FEET
0 10 20 40

DRAINAGE CONDUIT DETAILS

REF. NO.	CFN	LENGTH (FT)	SIZE	TYPE	SLOPE	START STRUCT. REF. NO.	START INVERT ELEV.	STOP STRUCT. REF. NO.	STOP INVERT ELEV.
P-10	1997419	38.00	12"	TYPE B	1.58%	D9	1017.50	D10	1016.90
P-11	1997418	53.00	12"	TYPE B	1.51%	D4	1017.50	D5	1016.70
P-13	1991679	85.00	30"	TYPE B	1.41%	INLET	1013.00	D22	1011.80
P-17	N/A	142.00	36"	TYPE C	3.52%	D22	1007.00	D28	1002.00

STORM SEWER
COONPATH RD - BEGIN WORK TO STA 202+00

DESIGN AGENCY
AECOM

DESIGNER
HG

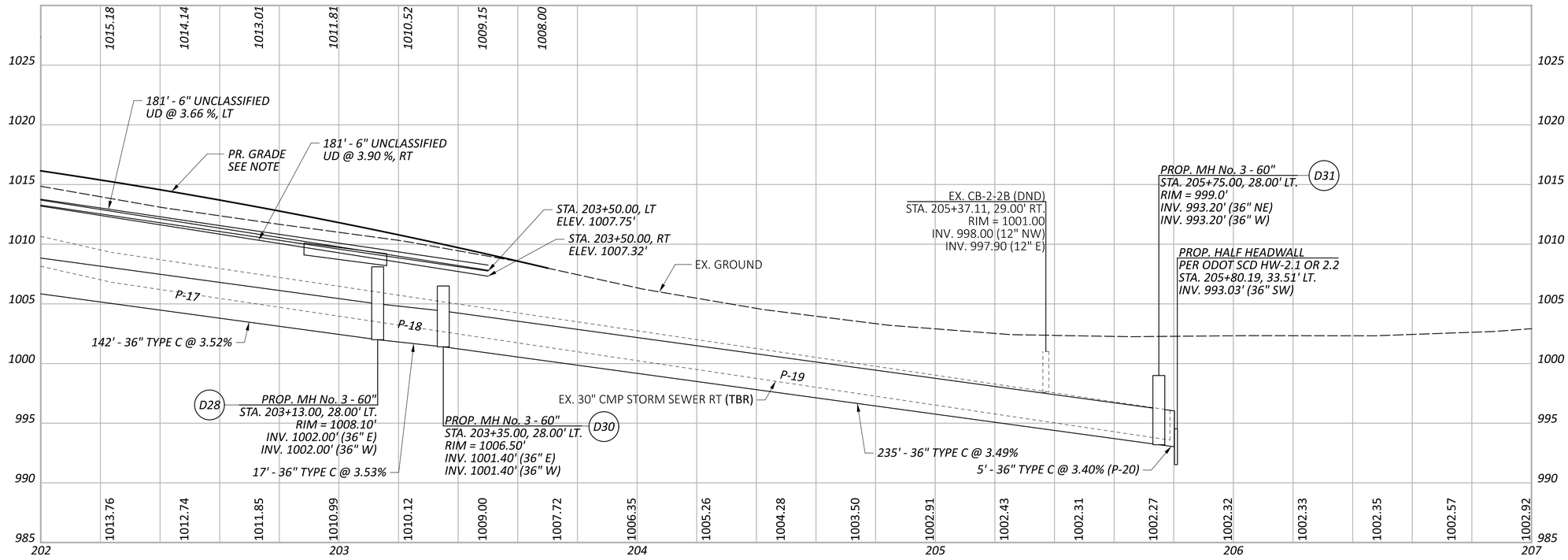
REVIEWER
NSP 06/03/25

PROJECT ID
111621

SHEET P.97 TOTAL 127

FAI-158-4.20

MODEL: CLP_West_Leg - Profile - Storm Sewer [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:58:35 AM USER: PatelV2
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\111621\402-Engineering_AECOM\Drainage\Sheets\111621_DF002.dgn



NOTE:

FOR PROPOSED ROADWAY PROFILE DETAILS, SEE SHEET P.38 .

HORIZONTAL SCALE IN FEET
0 10 20 40

DRAINAGE CONDUIT DETAILS									
REF. NO.	CFN	LENGTH (FT)	SIZE	TYPE	SLOPE	START STRUCT. REF. NO.	START INVERT ELEV.	STOP STRUCT. REF. NO.	STOP INVERT ELEV.
P-17	N/A	142.00	36"	TYPE C	3.52%	D22	1007.00	D28	1002.00
P-18	N/A	17.00	36"	TYPE C	3.53%	D28	1002.00	D30	1001.40
P-19	N/A	235.00	36"	TYPE C	3.49%	D30	1001.40	D31	993.20
P-20	N/A	5.00	36"	TYPE C	3.40%	D31	993.20	OUTLET	993.03

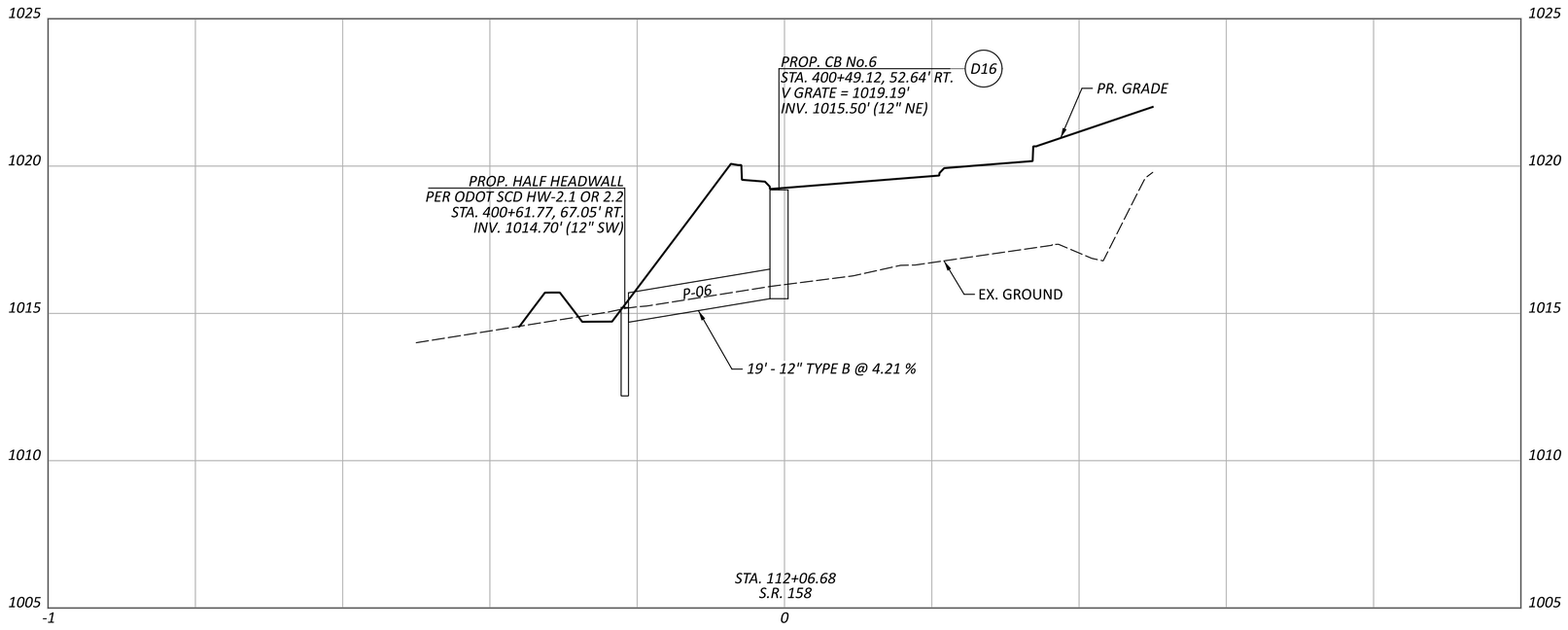
STORM SEWER PROFILE
COONPATH RD - STA 202+00 TO END WORK

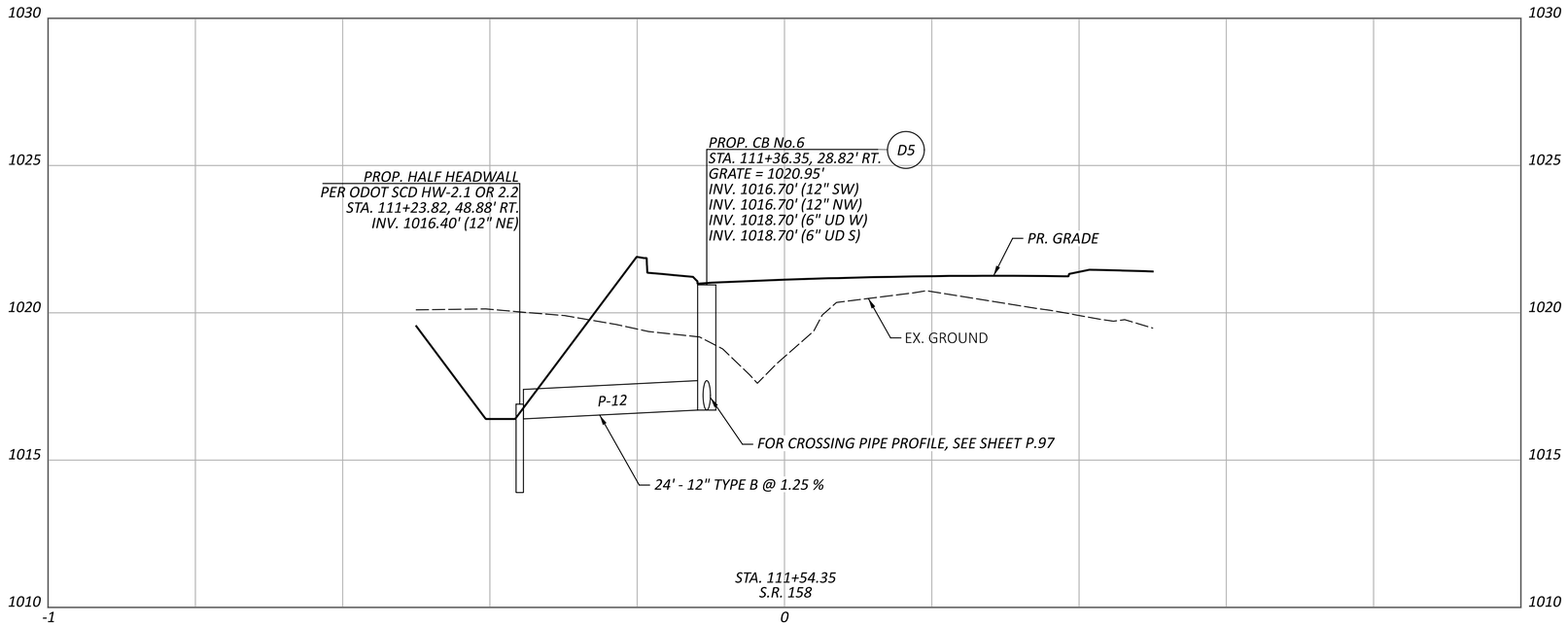
DESIGN AGENCY
AECOM

DESIGNER HG
REVIEWER NSP 06/03/25
PROJECT ID 111621
SHEET P.98 TOTAL 127

FAI-158-4.20

MODEL: CLP_East_Leg - Profile - Storm Sewer [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:58:36 AM USER: PatelV2
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\111621\402-Engineering_AECOM\Drainage\Sheets\111621_DF002.dgn





DRAINAGE CONDUIT DETAILS

REF. NO.	CFN	LENGTH (FT)	SIZE	TYPE	SLOPE	START STRUCT. REF. NO.	START INVERT ELEV.	STOP STRUCT. REF. NO.	STOP INVERT ELEV.
P-06	1197413	19.00	12"	TYPE B	4.21%	D16	1015.50	OUTLET	1014.70
P-12	1997416	24.00	12"	TYPE B	1.25%	D5	1016.70	OUTLET	1016.40

HORIZONTAL SCALE IN FEET
0 5 10 20

STORM SEWER PROFILES

FAI-158-4.20

MODEL: CLP_Pipe_1 - Profile 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:58:57 AM USER: PatelV2
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\111621\402-Engineering_AECOM\Drainage\Sheets\111621_DF001.dgn

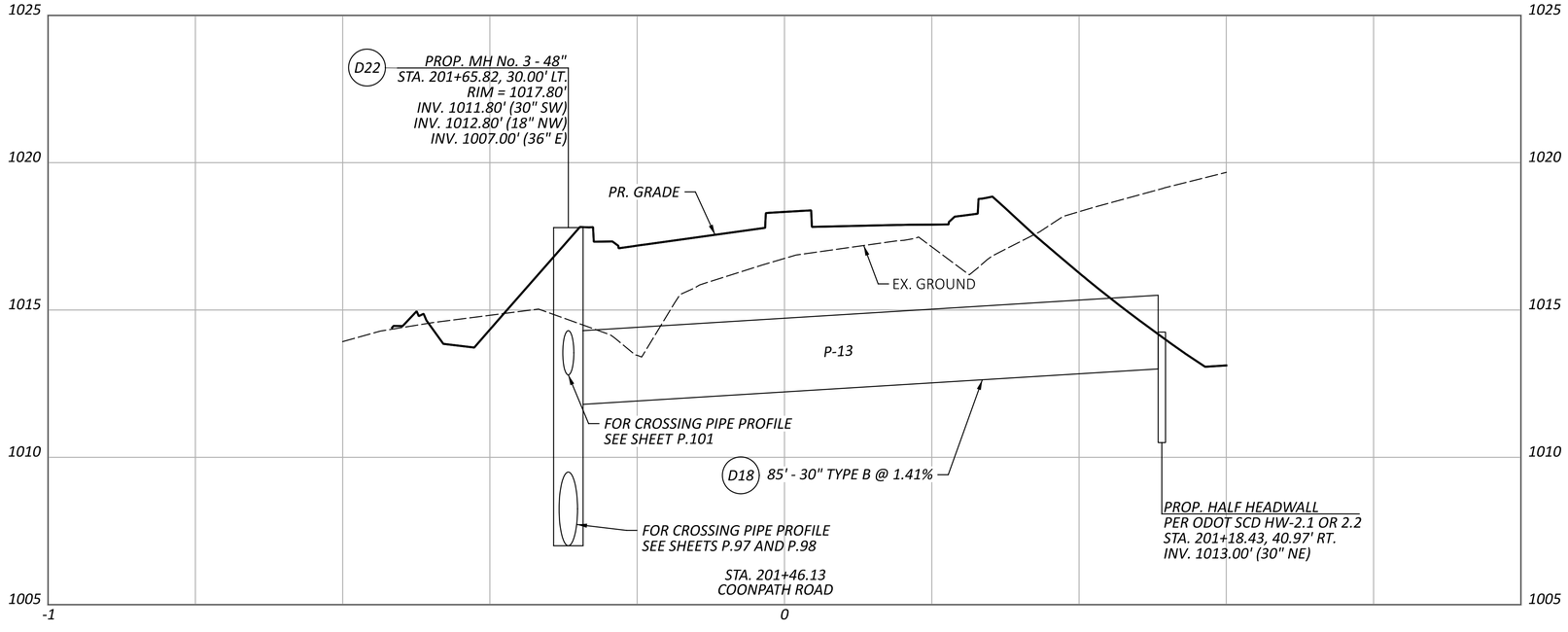
DESIGN AGENCY
AECOM

DESIGNER
VHP

REVIEWER
NSP 06/03/25

PROJECT ID
111621

SHEET P.99 TOTAL 127



DRAINAGE CONDUIT DETAILS									
REF. NO.	CFN	LENGTH (FT)	SIZE	TYPE	SLOPE	START STRUCT. REF. NO.	START INVERT ELEV.	STOP STRUCT. REF. NO.	STOP INVERT ELEV.
P-13	1991679	85.00	30"	TYPE B	1.41%	INLET	1013.00	D22	1011.80

HORIZONTAL SCALE IN FEET
0 5 10 20

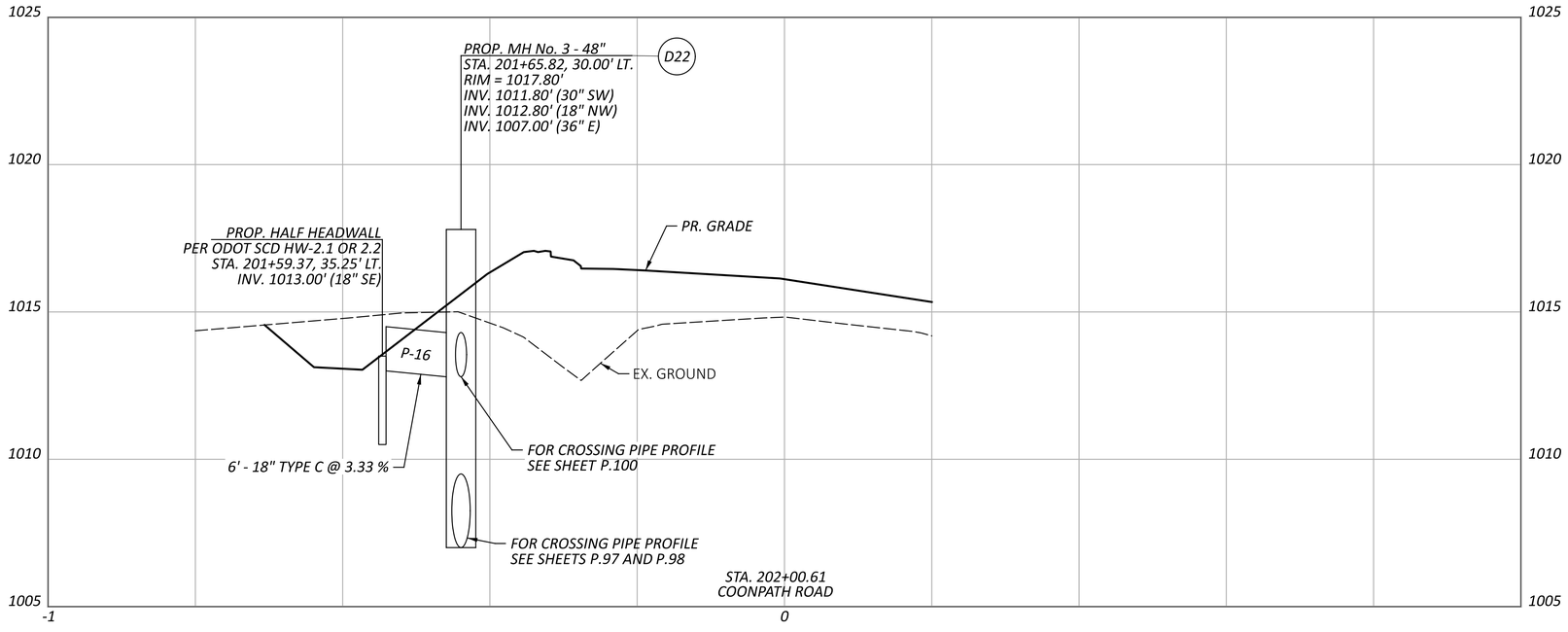
STORM SEWER PROFILES

FAI-158-4.20

MODEL: CLP_Pipe_3 - Profile 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:59:00 AM USER: PateV2
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DESIGN AGENCY
AECOM

DESIGNER VHP
REVIEWER NSP 06/03/25
PROJECT ID 111621
SHEET P.100 TOTAL 127



DRAINAGE CONDUIT DETAILS									
REF. NO.	CFN	LENGTH (FT)	SIZE	TYPE	SLOPE	START STRUCT. REF. NO.	START INVERT ELEV.	STOP STRUCT. REF. NO.	STOP INVERT ELEV.
P-16	N/A	6.00	18"	TYPE C	3.33%	INLET	1013.00	D22	1012.80

HORIZONTAL SCALE IN FEET
0 5 10 20

STORM SEWER PROFILES

DESIGN AGENCY
AECOM

DESIGNER
VHP

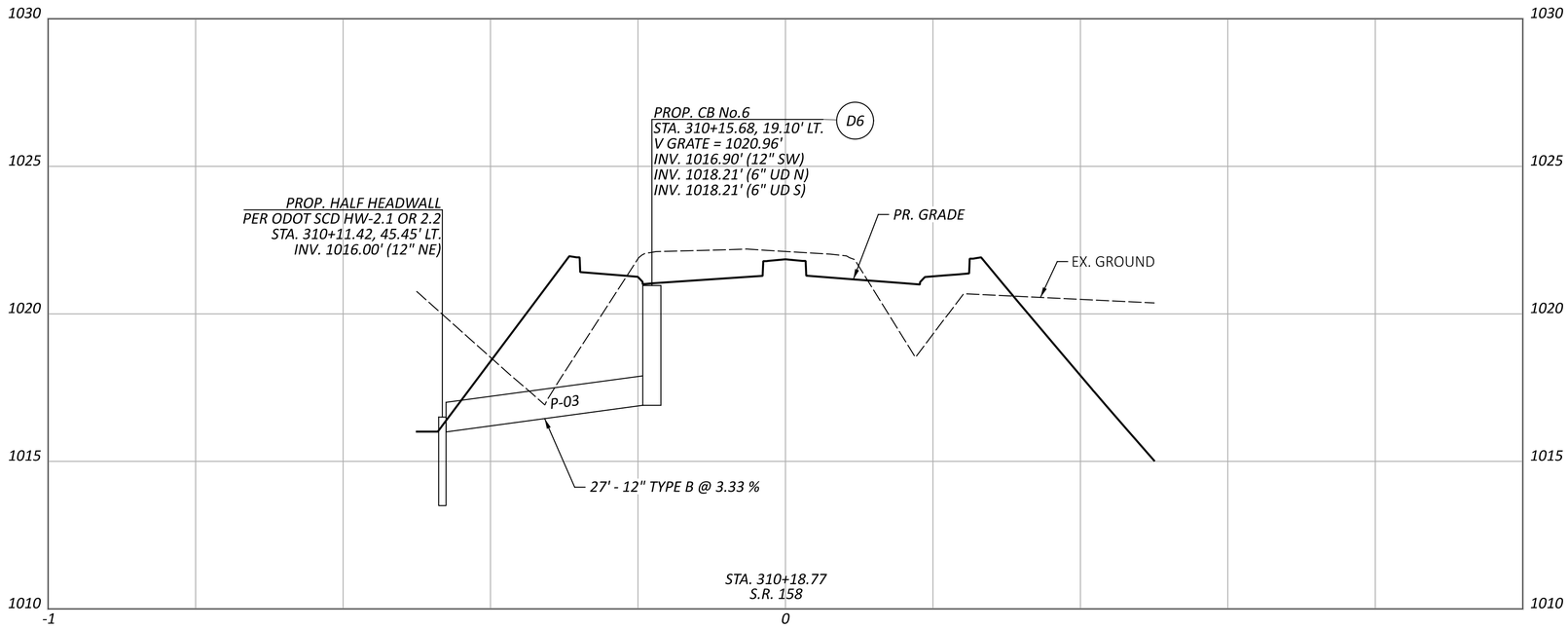
REVIEWER
NSP 06/03/25

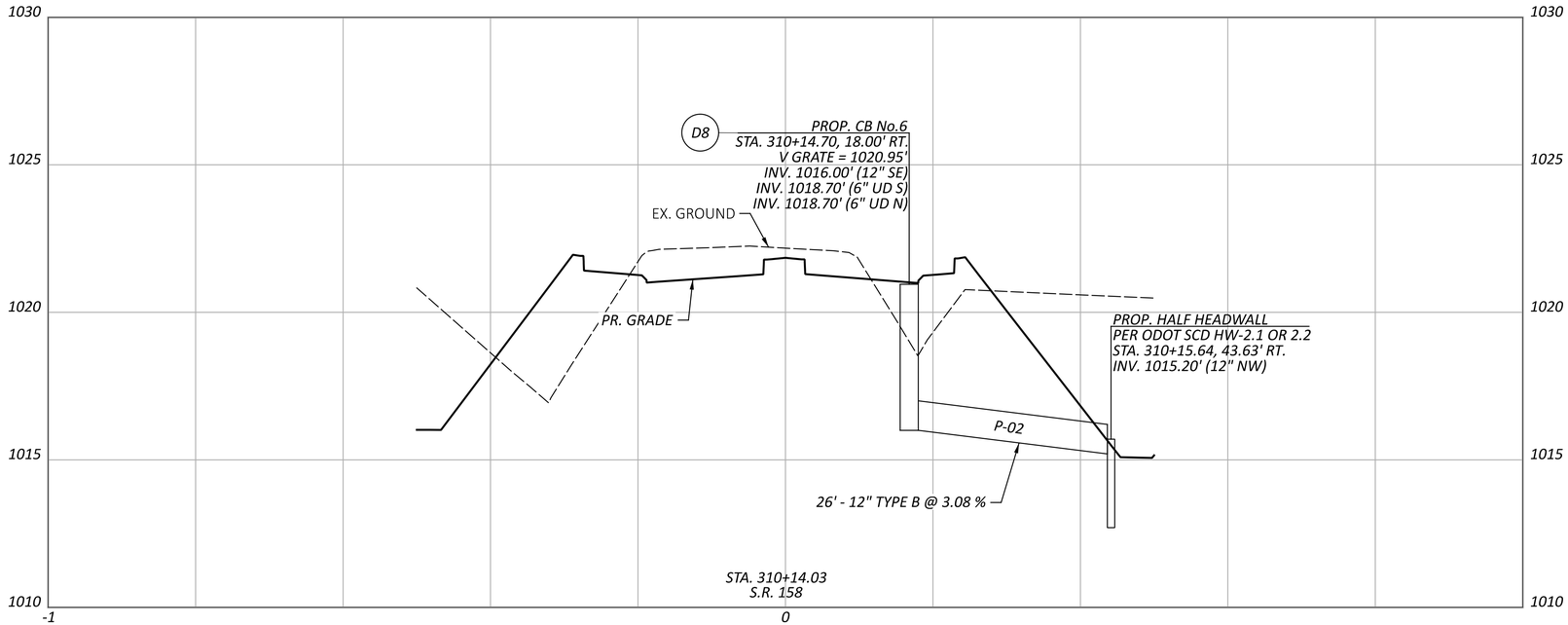
PROJECT ID
111621

SHEET P.101 TOTAL 127

FAI-158-4.20

MODEL: CLP_Pipe_S - Profile 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:59:00 AM USER: PatelV2
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DRAINAGE CONDUIT DETAILS									
REF. NO.	CFN	LENGTH (FT)	SIZE	TYPE	SLOPE	START STRUCT. REF. NO.	START INVERT ELEV.	STOP STRUCT. REF. NO.	STOP INVERT ELEV.
P-02	1997409	26.00	12"	TYPE B	3.08%	D8	1016.00	OUTLET	1015.20
P-03	1997414	27.00	12"	TYPE B	3.33%	D6	1016.90	OUTLET	1016.00

HORIZONTAL SCALE IN FEET
0 5 10 20

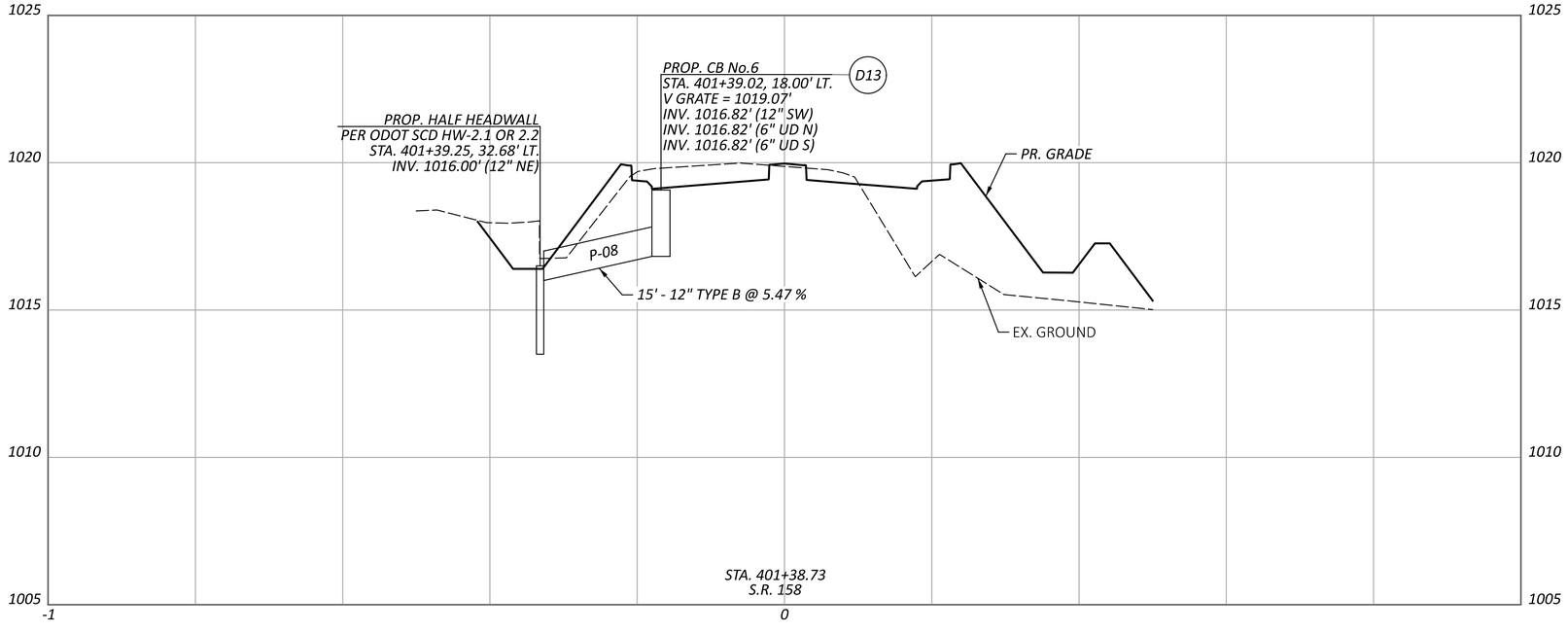
STORM SEWER PROFILES

DESIGN AGENCY
AECOM

DESIGNER VHP
REVIEWER NSP 06/03/25
PROJECT ID 111621
SHEET P.102 TOTAL 127

FAI-158-4.20

MODEL: CLP_Pipe_7 - Profile 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:59:00 AM USER: PatelV2
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\111621\402-Engineering_AECOM\Drainage\Sheets\111621_DF001.dgn



DRAINAGE CONDUIT DETAILS									
REF. NO.	CFN	LENGTH (FT)	SIZE	TYPE	SLOPE	START STRUCT. REF. NO.	START INVERT ELEV.	STOP STRUCT. REF. NO.	STOP INVERT ELEV.
P-08	1997412	15.00	12"	TYPE B	5.47%	D13	1016.82	OUTLET	1016.00

HORIZONTAL SCALE IN FEET
0 5 10 20

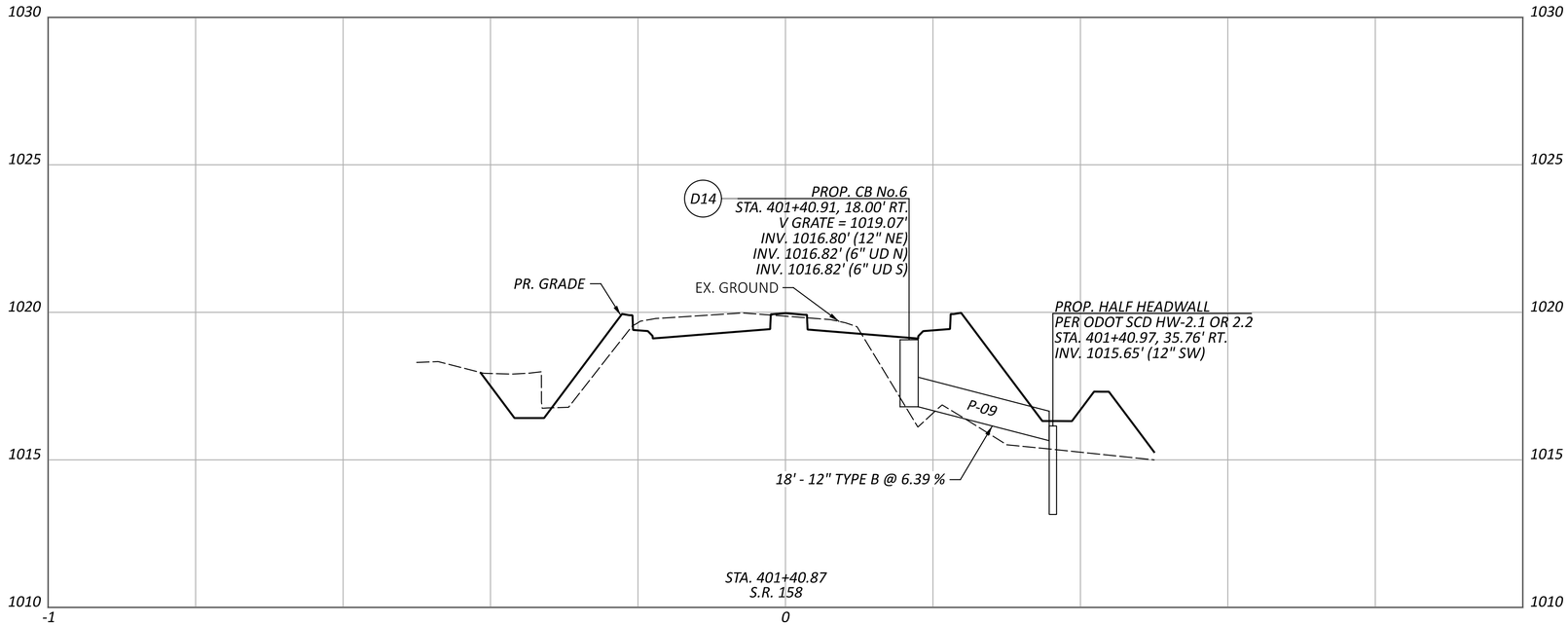
STORM SEWER PROFILES

DESIGN AGENCY
AECOM

DESIGNER VHP
REVIEWER NSP 06/03/25
PROJECT ID 111621
SHEET P.103 TOTAL 127

FAI-158-4.20

MODEL: CLP_Pipe_10 - Profile 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:59:01 AM USER: PatelV2
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DRAINAGE CONDUIT DETAILS									
REF. NO.	CFN	LENGTH (FT)	SIZE	TYPE	SLOPE	START STRUCT. REF. NO.	START INVERT ELEV.	STOP STRUCT. REF. NO.	STOP INVERT ELEV.
P-09	1997420	18.00	12"	TYPE B	6.39%	D14	1016.80	OUTLET	1015.65

HORIZONTAL SCALE IN FEET
0 5 10 20

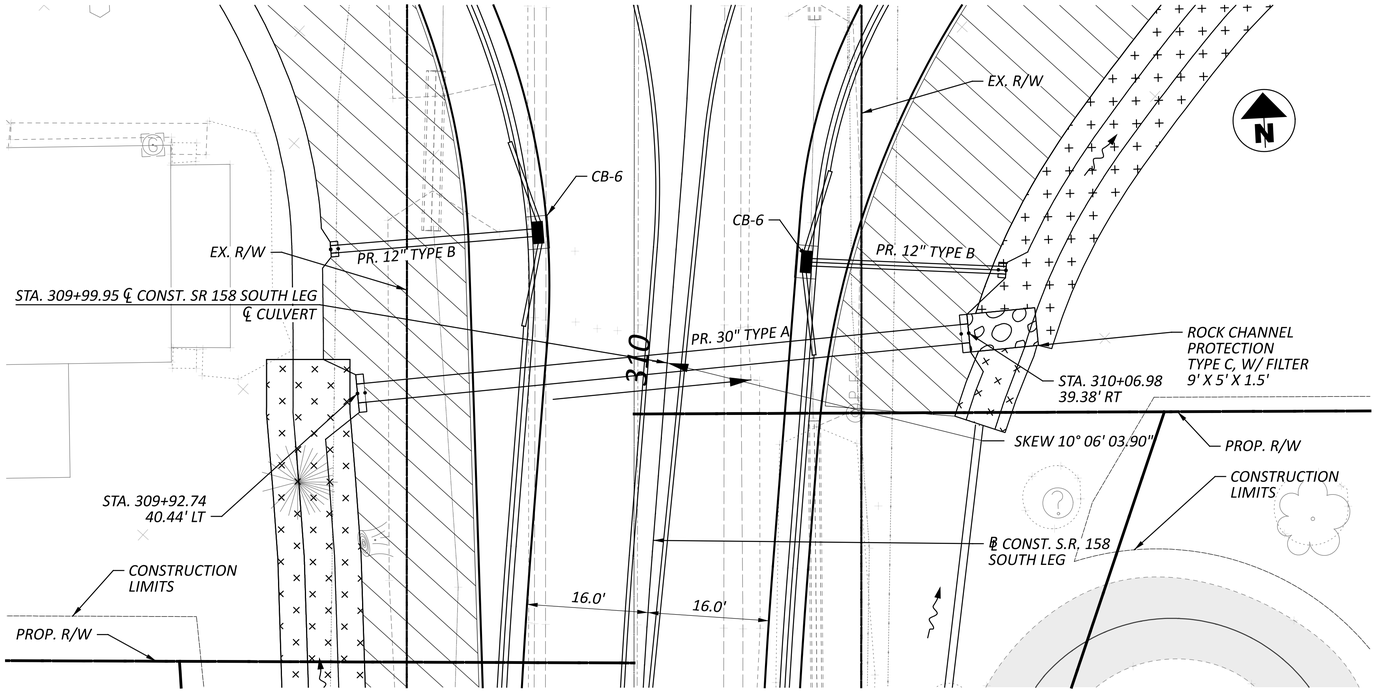
STORM SEWER PROFILES

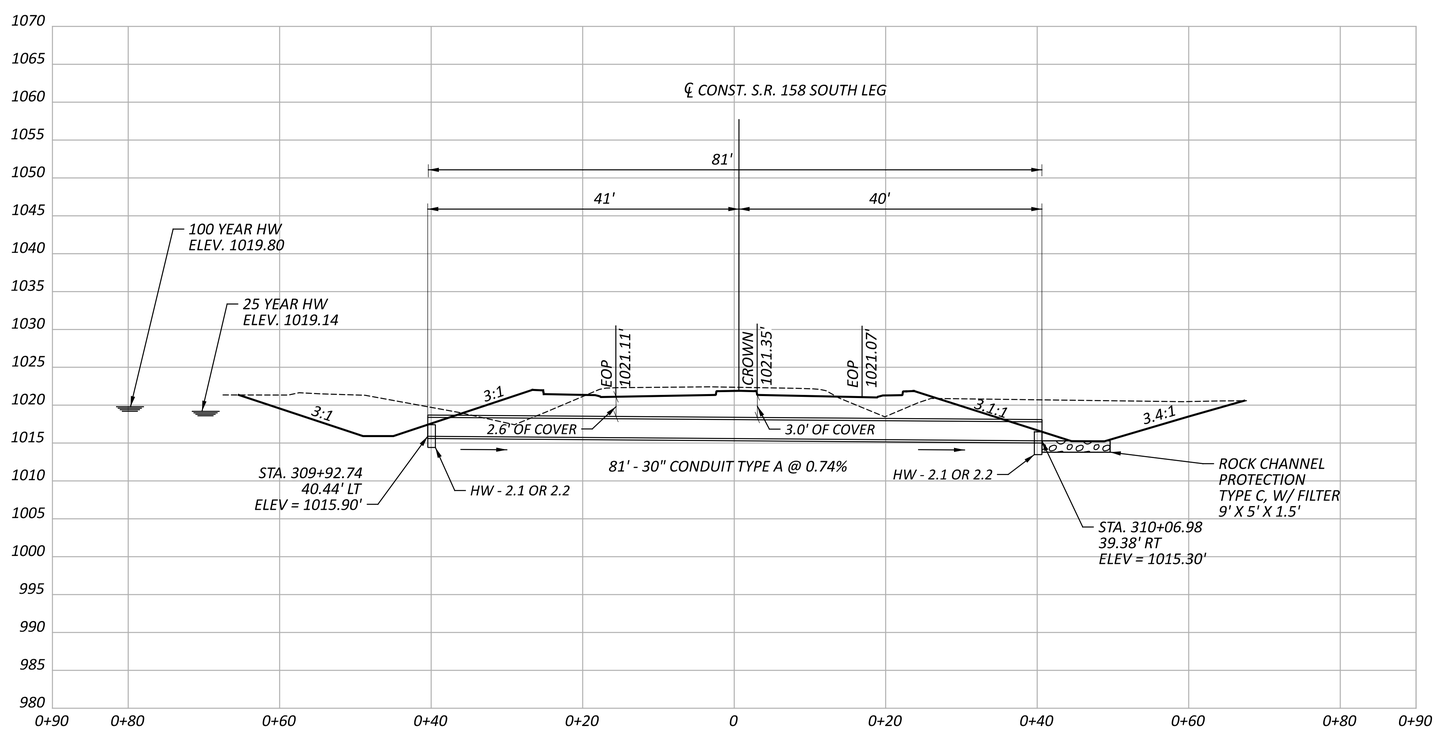
DESIGN AGENCY
AECOM

DESIGNER VHP
REVIEWER NSP 06/03/25
PROJECT ID 111621
SHEET P.104 TOTAL 127

FAI-158-4.20

MODEL: CLP_Pipe_11 - Profile 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:59:01 AM USER: PatelV2
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\111621\402-Engineering_AECOM\Drainage\Sheets\111621_DF001.dgn





EXISTING STRUCTURE

TYPE: RCP
SIZE: 30"
SKEW: 30°
ALIGNMENT: TANGENT
DATE BUILT: 1932
CONDITION: N/A
CFN: 1837153

PROPOSED STRUCTURE

TYPE: TYPE A, CONDUIT, 707.04 (0.109), 706.02, 707.33
SIZE: 30"
ROADWAY: SEE TYPICAL SECTION
DESIGN LOADING: HS20
SKEW: 10°06'03.90"
WEARING SURFACE: ASPHALT CONCRETE
ALIGNMENT: TANGENT
HYDRAULIC DESIGN FREQUENCY: 25 YR.
CROWN: 1021.90'
LATITUDE: N 39°46'06.70"
LONGITUDE: W 82°37'01"
CFN: 1991667

HYDRAULIC DATA

DRAINAGE AREA = 21.35 ACRES
Q (4%) = 34 CFS *V (4%) =* 8.80 FT/S *HW (4%) =* 1019.14 FT
Q (1%) = 41 CFS *V (1%) =* 8.35 FT/S *HW (1%) =* 1019.80 FT
DESIGN SERVICE LIFE: 75 YEARS
ORDINARY HIGH WATER MARK: 1016.5'
ABRASION LEVEL: 2.0
pH: 7.2
CFN: 1991667

HORIZONTAL SCALE IN FEET
0 10 20 40

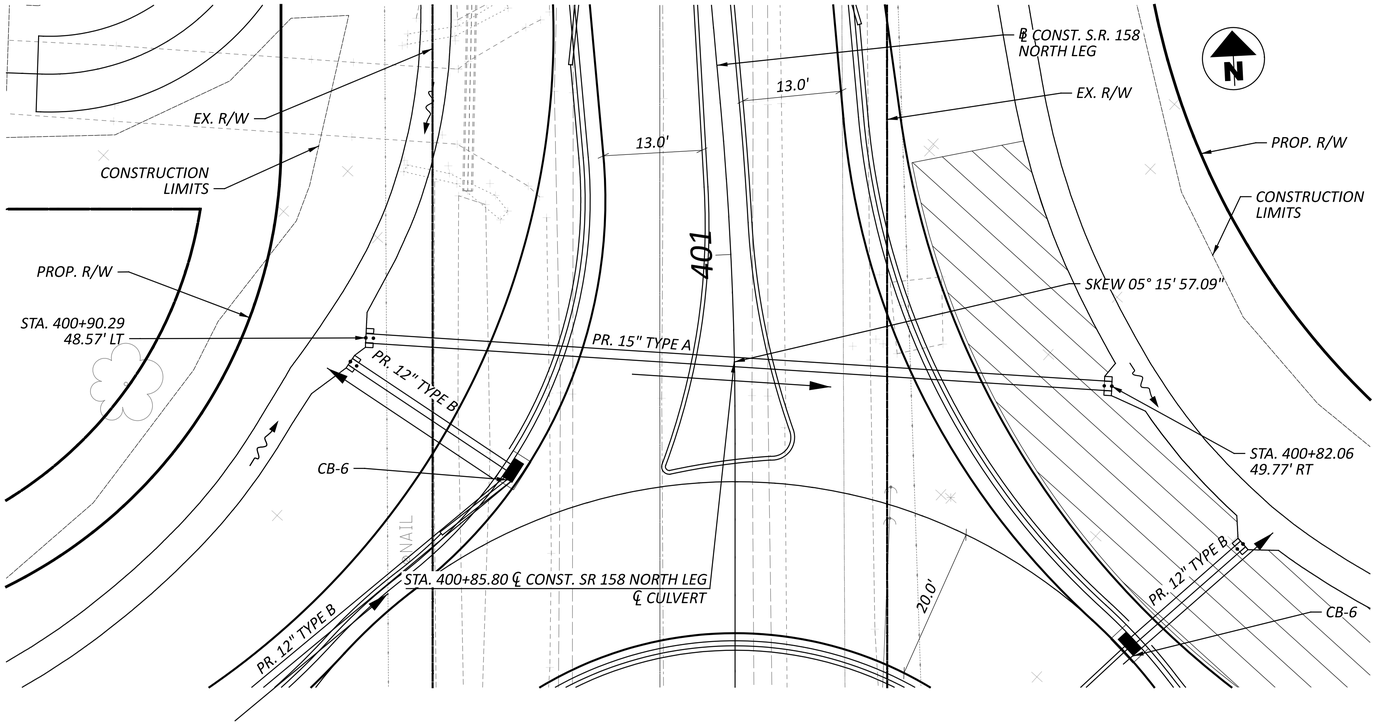
DRAINAGE CULVERT DETAILS SHEET
SR 158 - STA. 309+99.96

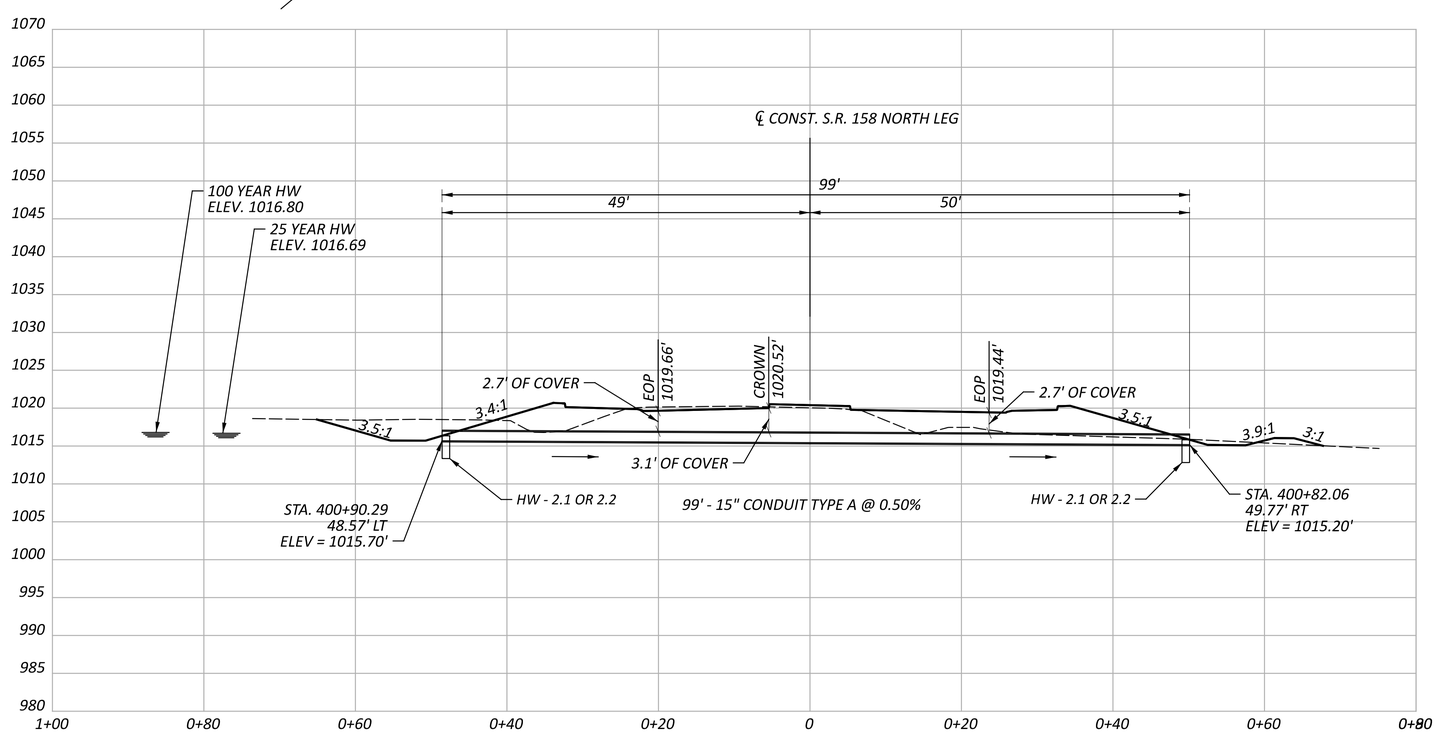
DESIGN AGENCY
AECOM

DESIGNER VHP
REVIEWER NSP 06/03/25
PROJECT ID 111621
SHEET P.105 TOTAL 127

FAI-158-4.20

MODEL: 310 - South Leg - [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:59:21 AM USER: PatelV2
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EXISTING STRUCTURE

TYPE: N/A
SIZE: N/A
SKEW: N/A
ALIGNMENT: N/A
DATE BUILT: N/A
CONDITION: N/A
CFN: N/A

PROPOSED STRUCTURE

TYPE: TYPE A, CONDUIT
707.04 (0.079), 706.01, 707.33

SIZE: 15"
ROADWAY: SEE TYPICAL SECTION
DESIGN LOADING: HS20
SKEW: 05°15'57.09"
WEARING SURFACE: ASPHALT CONCRETE
ALIGNMENT: TANGENT
HYDRAULIC DESIGN FREQUENCY: 25 YR.
CROWN: 1020.52'
LATITUDE: N 39°46'08.80"
LONGITUDE: W 82°37'00.80"
CFN: 1991678

HYDRAULIC DATA

DRAINAGE AREA = 0.93 ACRES

Q (4%) =	2.90 CFS	V (4%) =	4.21 FT/S	HW (4%) =	1016.69 FT
Q (1%) =	3.50 CFS	V (1%) =	3.33 FT/S	HW (1%) =	1016.80 FT

DESIGN SERVICE LIFE: 75 YEARS
ORDINARY HIGH WATER MARK: 1016.0'
ABRASION LEVEL: 2.0
pH: 7.2
CFN: 1991678

HORIZONTAL SCALE IN FEET
0 10 20 40

DRAINAGE CULVERT DETAILS SHEET
SR 158 - STA. 400+85.80

DESIGN AGENCY
AECOM

DESIGNER VHP
REVIEWER NSP 06/03/25
PROJECT ID 111621
SHEET P.106 TOTAL 127

FAI-158-4.20

MODEL: 401 - North Leg [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:59:23 AM USER: PatelV2
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\111621\402-Engineering_AECOM\Drainage\Sheets\111621_DC000.dgn

REF NO.	SHEET NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)	630 SIGN POST REFLECTOR	630 GROUND MOUNTED SUPPORT, NO. 3 POST, AS PER PLAN	630 SIGN, FLAT SHEET	630 REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	630 REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL
							EACH	FT	SF	EACH	EACH
		COONPATH RD									
S1	P.110	WEST LEG	106+54	RT	W2-6	30 X 30		11.5	6.3		
					W13-1P	18 X 18			2.3		
S2	P.110	WEST LEG	106+69	LT/RT						2	2
S3	P.110	WEST LEG	109+36	RT						1	1
S4	P.110	WEST LEG	109+53	RT	W3-2	30 X 30		11	6.3		
S5	P.109	WEST LEG	110+34	LT	R4-7	24 X 30		11.5	5.0		
					OM1-3	18 X 18			2.3		
S6	P.109	WEST LEG	111+28	RT	R1-2	36X36X36	1	12	3.9		
					R6-5P	30 X 30			6.3		
S7	P.109	WEST LEG	111+34	LT	D1-1d	72 X 18		10.5	9.0		
S8	P.110	WEST LEG	111+59	LT/RT						4	2
S9	P.109	WEST LEG	111+66	RT	R6-2R	24 X 30		11.5	5.0		
					OM1-3	18 X 18			2.3		
S10	P.110	EAST LEG	200+27	LT/RT						4	2
S11	P.109	EAST LEG	200+45	LT	R6-2R	24 X 30		11.5	5.0		
					OM1-3	18 X 18			2.3		
S12	P.109	EAST LEG	200+76	RT	D1-1d	72 X 18		10.5	9.0		
S13	P.109	EAST LEG	200+80	LT	R1-2	36X36X36	1	12	3.9		
					R6-5P	30 X 30			6.3		
S14	P.109	EAST LEG	201+77	RT	R4-7	24 X 30		11.5	5.0		
					OM1-3	18 X 18			2.3		
S15	P.110	EAST LEG	202+54	LT	W3-2	30 X 30		11	6.3		
S16	P.110	EAST LEG	205+56	LT	W2-6	30 X 30		11.5	6.3		
					W13-1P	18 X 18			2.3		
S17	P.110	EAST LEG	205+85	LT/RT						2	2
		S.R. 158									
S18	P.110	SOUTH LEG	305+72	RT	W2-6	30 X 30		11.5	6.3		
					W13-1P	18 X 18			2.3		
S19	P.110	SOUTH LEG	308+72	RT	W3-2	30 X 30		11	6.3		
S20	P.109	SOUTH LEG	309+54	LT	R4-7	24 X 30		11.5	5.0		
					OM1-3	18 X 18			2.3		
S21	P.109	SOUTH LEG	310+45	RT	R1-2	36X36X36	1	12	3.9		
					R6-5P	30 X 30			6.3		
S22	P.109	SOUTH LEG	310+53	LT	M3-3	24 X 12		12	2.0		
					M1-5	30 X 24			5.0		
					M6-2	21 X 15			2.2		
S23	P.109	SOUTH LEG	310+85	RT	R6-2R	24 X 30		11.5	5.0		
					OM1-3	18 X 18			2.3		
S24	P.110	SOUTH LEG	310+94	LT/RT						4	2
S25	P.110	SOUTH LEG	311+02	LT						3	1
S26	P.110	NORTH LEG	400+25	RT						3	1
S27	P.110	NORTH LEG	400+30	LT/RT						4	2
S28	P.109	NORTH LEG	400+45	LT	R6-2R	24 X 30		11.5	5.0		
					OM1-3	18 X 18			2.3		
S29	P.109	NORTH LEG	400+76	RT	M3-1	24 X 12		12	2.0		
					M1-5	30 X 24			5.0		
					M6-2	21 X 15			2.2		
S30	P.109	NORTH LEG	400+80	LT	R1-2	36X36X36	1	12	3.9		
					R6-5P	30 X 30			6.3		
S31	P.109	NORTH LEG	401+71	LT	R4-7	24 X 30		11.5	5.0		
					OM1-3	18 X 18			2.3		
S32	P.110	NORTH LEG	402+54	LT	W3-2	30 X 30		11	6.3		
S33	P.110	NORTH LEG	405+54	LT	W2-6	30 X 30		11.5	6.3		
					W13-1P	18 X 18			2.3		
TOTALS CARRIED TO GENERAL SUMMARY							4	275.0	195.2	27	15

SIGNING SUBSUMMARY

DESIGN AGENCY

AECOM

DESIGNER HMP

REVIEWER NSP 06/03/25

PROJECT ID 111621

SHEET P.107 TOTAL 127

FAI-158-4.20

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 8:59:43 AM USER: PatelV2
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\111621402-Engineering_AECOM\Traffic\Sheets\111621_TS001.dgn

PAVEMENT MARKING SUBSUMMARY

REF NO.	SHEET NO.	STATION TO STATION					621 RPM EACH	621 RAISED PAVEMENT MARKER REMOVED EACH	644 CHANNELIZING LINE, 8" FT	644 EDGE LINE, 6" WHITE MILE	644 EDGE LINE, 6" YELLOW MILE	644 CENTER LINE, DOUBLE YELLOW MILE	644 TRANSVERSE/DIAGONAL LINE, YELLOW FT	644 DOTTED LINE, 8", WHITE FT	644 YIELD LINE FT
		COONPATH RD													
A1	P.109-110	106+00		TO	110+30		20					0.11			
G1	P.109-110	108+86		TO	110+30								60		
B1	P.109	110+30		TO	111+42		6				0.04				
B2	P.109	200+68		TO	201+80		6				0.04				
G2	P.109-110	201+80		TO	203+49								62		
A2	P.110	201+80		TO	206+00		21					0.12			
C1	P.109-110	106+00	RT	TO	111+58	RT				0.11					
C1	P.109-110	106+00	LT	TO	111+63	LT				0.11					
C2	P.109-110	200+52	RT	TO	206+00	RT				0.11					
C2	P.109-110	200+49	LT	TO	206+00	LT				0.11					
D4	P.109	111+37	RT												15
D1	P.109	200+72	RT												15
		S.R. 158													
A3	P.109	307+55		TO	309+50		20					0.07			
G3	P.110	307+80		TO	309+50								65		
B3	P.109	309+50		TO	310+58		6				0.04				
B4	P.109	400+69		TO	401+75		6				0.04				
A4	P.109	401+75		TO	403+70		20					0.07			
G4	P.110	401+75		TO	403+70								70		
C3	P.109-110	307+55	RT	TO	310+80	RT				0.06					
C3	P.109-110	307+55	LT	TO	310+80	LT				0.06					
C4	P.109-110	400+46	RT	TO	403+70	RT				0.06					
C4	P.109-110	400+52	LT	TO	403+70	LT				0.06					
D3	P.109	310+55	RT												15
D2	P.109	400+72	RT												15
		RAB ALIGNMENT													
E2	P.109	4+31	RT	TO	0+25	RT								33	
E4	P.109	1+02	RT	TO	1+35	RT								33	
E1	P.109	2+12	RT	TO	2+47	RT								35	
E3	P.109	3+19	RT	TO	3+54	RT								36	
F4	P.109	0+78	RT		1+02	RT	2		34						
F1	P.109	1+84	RT		2+12	RT	2		34						
F3	P.109	2+95	RT		3+19	RT	2		30						
F2	P.109	4+04	RT		4+31	RT	2		34						
B5	P.109	0+00	RT	TO	4+39	LT	8				0.06				
		EXISTING S.R. 158													
		SOUTH APPROACH						14							
		NORTH APPROACH						13							
SUBTOTAL										0.68	0.22				
TOTALS CARRIED TO GENERAL SUMMARY							121	27	132	0.90		0.37	257	137	60

DESIGN AGENCY

AECOM

DESIGNER HMP

REVIEWER NSP 06/03/25

PROJECT ID 111621

SHEET P.108 TOTAL 127

FAI-158-4.20

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 9:00:00 AM USER: PatelV2
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\111621\402-Engineering_AECOM\Traffic\Sheets\111621_TS002.dgn

NOTE:

RAISED PAVEMENT MARKERS SHALL BE INSTALLED AND SPACED PER ODOT SCD TC-65.11.

LEGEND:

- (A) ITEM 644, 6" CENTERLINE, DOUBLE YELLOW
- (B) ITEM 644, 6" EDGE LINE, YELLOW
- (C) ITEM 644, 6" EDGE LINE, WHITE
- (D) ITEM 644, YIELD LINE (24" BASE SHARKS TEETH)
- (E) ITEM 644, 8" DOTTED LINE, WHITE
- (F) ITEM 644, 8" CHANNELIZING LINE, WHITE
- (G) ITEM 644, 24" TRANSVERSE/DIAGONAL LINE, YELLOW

HORIZONTAL SCALE IN FEET
0 10 20 40

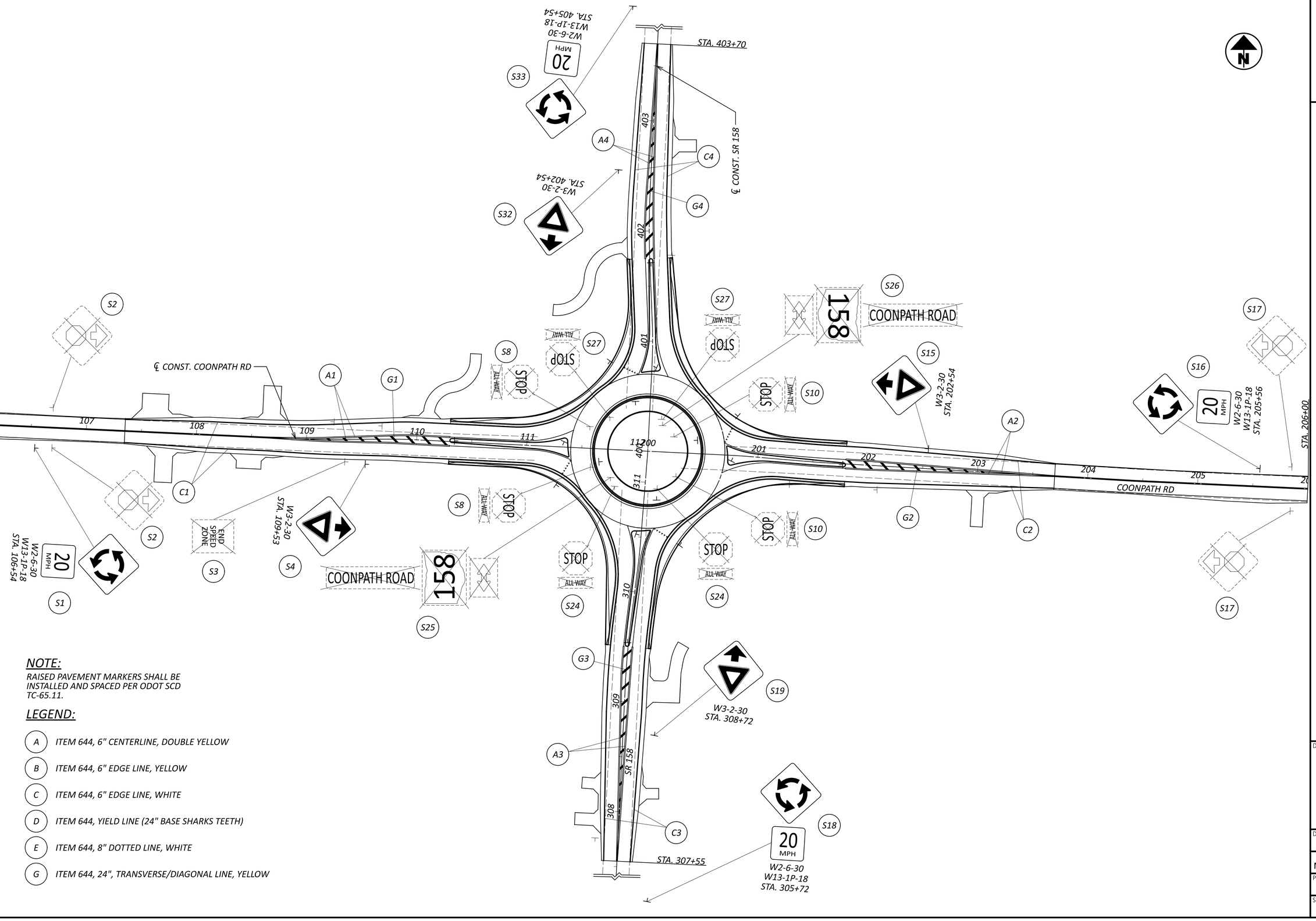
TRAFFIC CONTROL PLAN
SR 158 AND COONPATH RD

DESIGN AGENCY
AECOM

DESIGNER SJK
REVIEWER NSP 06/03/25
PROJECT ID 111621
SHEET P.109 TOTAL 127

FAI-158-4.20

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 9:00:17 AM USER: PatelV2
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NOTE:

RAISED PAVEMENT MARKERS SHALL BE INSTALLED AND SPACED PER ODOT SCD TC-65.11.

LEGEND:

- (A) ITEM 644, 6" CENTERLINE, DOUBLE YELLOW
- (B) ITEM 644, 6" EDGE LINE, YELLOW
- (C) ITEM 644, 6" EDGE LINE, WHITE
- (D) ITEM 644, YIELD LINE (24" BASE SHARKS TEETH)
- (E) ITEM 644, 8" DOTTED LINE, WHITE
- (G) ITEM 644, 24", TRANSVERSE/DIAGONAL LINE, YELLOW

HORIZONTAL SCALE IN FEET
0 20 40 80

TRAFFIC CONTROL PLAN
SR 158 AND COONPATH RD

DESIGN AGENCY
AECOM

DESIGNER SJK
REVIEWER NSP 06/03/25
PROJECT ID 111621
SHEET P.110 TOTAL 127

FAI-158-4.20

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LIGHTING

LIGHTING GENERAL NOTES ARE SUPPLEMENTAL TO ITEMS 625 AND 725 OF THE OHIO DEPARTMENT OF TRANSPORTATION (ODOT) CONSTRUCTION AND MATERIAL SPECIFICATIONS, (CMS) DATED JANUARY 1, 2023, WHICH SHALL GOVERN ALL WORK OF THIS PROJECT, EXCEPT AS HEREINAFTER MODIFIED.

625, POWER SERVICE, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF THE SPECIFICATIONS, THE FOLLOWING IS ADDED.

THE POWER SUPPLYING AGENCY FOR THIS PROJECT IS:

SOUTH CENTRAL POWER
ATTN: ZACK REED
2780 COONPATH RD, NE
P.O. BOX 250
LANCASTER, OH 43130
(740) 689-6150

POWER SERVICE SHALL BE AS PER C&MS ITEM 625 AND SCD HL-40.20, EXCEPT THE CONDUIT COMING FROM THE POWER SOURCE WILL BE 3" SCHEDULE 40 INSTEAD OF RIGID METALLIC. THE CONTRACTOR SHALL INSTALL 3" SCHEDULE 40 CONDUIT WITH LONG SWEEPS ON BOTH ENDS FROM THE PAD MOUNTED TRANSFORMER TO THE GROUND MOUNTED POWER SERVICE.

THE ENGINEER SHALL ENSURE THAT EACH POWER SERVICE ELECTRICAL ENERGY ACCOUNT IS IN NAME OF AND THAT THE BILLING ADDRESS IS TO THE MAINTAINING AGENCY NOTED IN THE PLANS.
THIS SHALL BE DONE NOT ONLY FOR EACH NEW POWER SERVICE ESTABLISHED BY THIS PROJECT BUT ALSO FOR EACH EXISTING POWER SERVICE, SINCE THERE MAY BE A REASSIGNMENT OF THE RESPONSIBILITY FOR AN EXISTING SERVICE AS A RESULT OF THE WORK PERFORMED BY THE PROJECT.

PAYMENT WILL BE MADE AT THE UNIT BID PRICE FOR EACH C&MS ITEM 625, "POWER SERVICE, AS PER PLAN" WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

PADLOCKS AND KEYS

PADLOCKS FURNISHED SHALL BE EITHER BRASS OR BRONZE, EQUAL TO MASTER NO. 4BKA OR WILSON BOHANNAN 660A, AND SHALL BE KEYED IN ACCORDANCE WITH C&MS 631.06. PAYMENT SHALL BE INCLUDED IN THE BID FOR THE ITEM(S) BEING LOCKED.

ITEM 625, LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN (150W, 120V, TYPE II)

THE CONVENTIONAL LUMINAIRE SPECIFIED ABOVE SHALL CONFORM TO SUPPLEMENTAL SPECIFICATION 813 AND 913 AND SELECTED FROM THE APPROVED LIST OF LED LUMINAIRES:

HTTP://WWW.DOT.STATE.OH.US/DIVISIONS/CONSTRUCTIONMGT/MATERIALS/APPROVED%20LIST/SOLID_STATE_LUMINAIRES_SS_813.PDF

THE CONTRACTOR SHALL SUBMIT THE LUMINAIRE TO THE ENGINEER FOR ACCEPTANCE PRIOR TO ORDERING.

625, UNDERDRAINS FOR PULLBOXES

REFERENCE TRAFFIC SCD HL-30.11 FOR DETAILS ABOUT DRAINING PULLBOXES. UNDERDRAINS FOR PULLBOXES SHALL BE USED AS DIRECTED BY THE ENGINEER AND SHALL BE PROVIDED WHERE THE LENGTH REQUIRED FOR A SATISFACTORY OUTLET DOES NOT EXCEED 20 FEET. THE FOLLOWING ESTIMATED QUANTITY IS CARRIED TO THE GENERAL SUMMARY FOR THIS PURPOSE:

ITEM 611 4" CONDUIT, TYPE E.....140 FT.

625, ARC FLASH CALCULATIONS AND LABEL (S.R .158/COONPATH ROAD)

THE CONTRACTOR SHALL SATISFY THE REQUIREMENTS OF ODOT SUPPLEMENTAL SPECIFICATION 825 FOR THE CONTROL CENTERS.

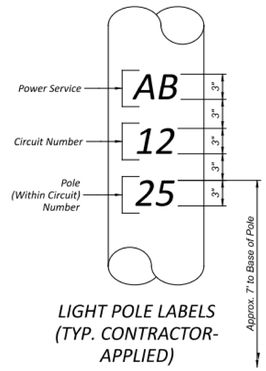
THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE LABEL, MADE FROM "ENGINEER GRADE" SIGN SHEETING OR AN EQUIVALENT COMMERCIAL LABEL MATERIAL.

METHOD OF MEASUREMENT SHALL BE PER 825.06. THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE LIGHTING SUBSUMMARY.

ITEM 625 ARC FLASH CALCULATION AND LABEL (S.R .158/COONPATH ROAD) - 1 EACH

625, LIGHT POLE, CONVENTIONAL, AT12B35
625, LIGHT POLE, CONVENTIONAL, AT15B35

THE CONTRACTOR SHALL LABEL EACH LIGHT POLE AS DETAILED AND NOTED ON STANDARD DRAWING HL-10.12 EXCEPT THE POWER SERVICE AND POLES SHALL BE LABELED NUMBERICALLY, AND THE CIRCUIT SHALL BE LABELED ALPHABETICALLY.



LIGHT POLE LABELS (TYP. CONTRACTOR-APPLIED)

SCD HL-10.12 - LIGHT POLE LABELS

OUPS NOTE

WHEN THE PROJECT BEGINS AND THE CONTRACTOR HAS TAKEN OVER THE MAINTENANCE OF THE EXISTING SYSTEM, THEY SHALL PROVIDE ALL REQUIRED LAYOUTS AND LOCATIONS OF THE EXISTING AND PROPOSED ELECTRICAL CIRCUITS WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL LOCATE AND MARK THE UNDERGROUND ELECTRICAL CIRCUITS DURING THE DURATION OF THE PROJECT.

LIGHTING GENERAL NOTES

DESIGN AGENCY
AECOM

DESIGNER
CX

REVIEWER
TS 06/03/25

PROJECT ID
111621

SHEET P.111 | TOTAL 127

FAI-158-4.20

MODEL: LN001 PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 9:00:55 AM USER: PatelV2
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LIGHTING SUBSUMMARY

REF NO.	ROADWAY	STATION TO STATION				625 CONNECTION, UNFUSED PERMANENT	625 CONNECTION, FUSED PULL APART	625 TRANSFORMER BASE, TYPE AT-A	625 LIGHT POLE, CONVENTIONAL, AT12B35	625 LIGHT POLE, CONVENTIONAL, AT15B35	625 LIGHT POLE FOUNDATION, 24" X 6' DEEP	625 NO. 6 AWG 2400 VOLT DISTRIBUTION CABLE	625 NO. 10 AWG POLE AND BRACKET CABLE	625 1-1/2" DUCT CABLE WITH THREE NO. 6 AWG 2400 VOLT CABLES	625 CONDUIT, 3", 725.04	625 LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN (IES-II, 12100-13200 LUMENS)	625 TRENCH	625 PULL BOX, 725.08, 18"	625 PULL BOX, 725.08, 24"	625 GROUND ROD	625 POWER SERVICE, AS PER PLAN	625 TRANSFORMER PAD, CONCRETE	625 UNDERGROUND WARNING/MARKING TAPE	625 ARC FLASH CALCULATIONS AND LABEL (S.R. 158/COONPATH ROAD)
						EACH	EACH	EACH	EACH	EACH	EACH	FT	FT	FT	FT	EACH	FT	EACH	EACH	EACH	EACH	EACH	FT	EACH
1-A-1	SR 158	401+66	LT				2			1	1		100			1				1				
		401+66	LT		111+48									168			113						113	
1-A-2	COONPATH RD	111+48	LT				2			1	1		100			1				1				
		111+48	LT		110+30									180			125						125	
1-A-3	COONPATH RD	110+30	LT				2		1		1		94			1				1				
		110+30	LT		110+25									60			5						5	
PB-3	COONPATH RD	110+25	LT			3												1						
		110+25	LT		110+25							201			57		57						57	
PB-2	COONPATH RD	110+25	RT			3												1						
		110+25	RT		111+43									133			123						123	
1-A-4	COONPATH RD	111+43	RT				2			1	1		100			1				1				
		111+43	RT		111+46									63			8						8	
1-B-1	COONPATH RD	200+58	LT				2			1	1		100			1				1				
		200+58	LT		201+85									192			137						137	
PB-7	COONPATH RD	201+85	LT			3												1						
		201+85	LT		201+85							192			54		54						54	
PB-6	COONPATH RD	110+25	RT			3												1						
		110+25	RT		201+80									15			5						5	
1-B-2	COONPATH RD	201+80	RT				2		1		1		94			1				1				
		201+80	RT		200+58									185			130						130	
1-B-3	COONPATH RD	200+58	RT				2			1	1		100			1				1				
		200+58	RT		309+50									181			126						126	
1-B-4	SR 158	309+50	RT				2		1		1		94			1				1				
		309+50	RT		309+45									60			5						5	
PB-5	SR 158	309+45	RT			3												1						
		309+45	RT		309+45							201			57		57						57	
PB-4	SR 158	309+45	LT			3												1						
		309+45	LT		111+46									138			128						128	
PB-1	COONPATH RD	111+46	RT			6													1					
		111+46	RT		111+43							144			9		9						9	
PS-1	COONPATH RD	111+43	RT														188				1		188	1
TR-1	COONPATH RD	109+46	RT					1														1		
LIGHTING NOTES																								
TOTALS CARRIED TO GENERAL SUMMARY						24	16	1	3	5	8	738	782	1375	177	8	1270	6	1	8	1	1	1270	1

DESIGN AGENCY

AECOM

DESIGNER
CX

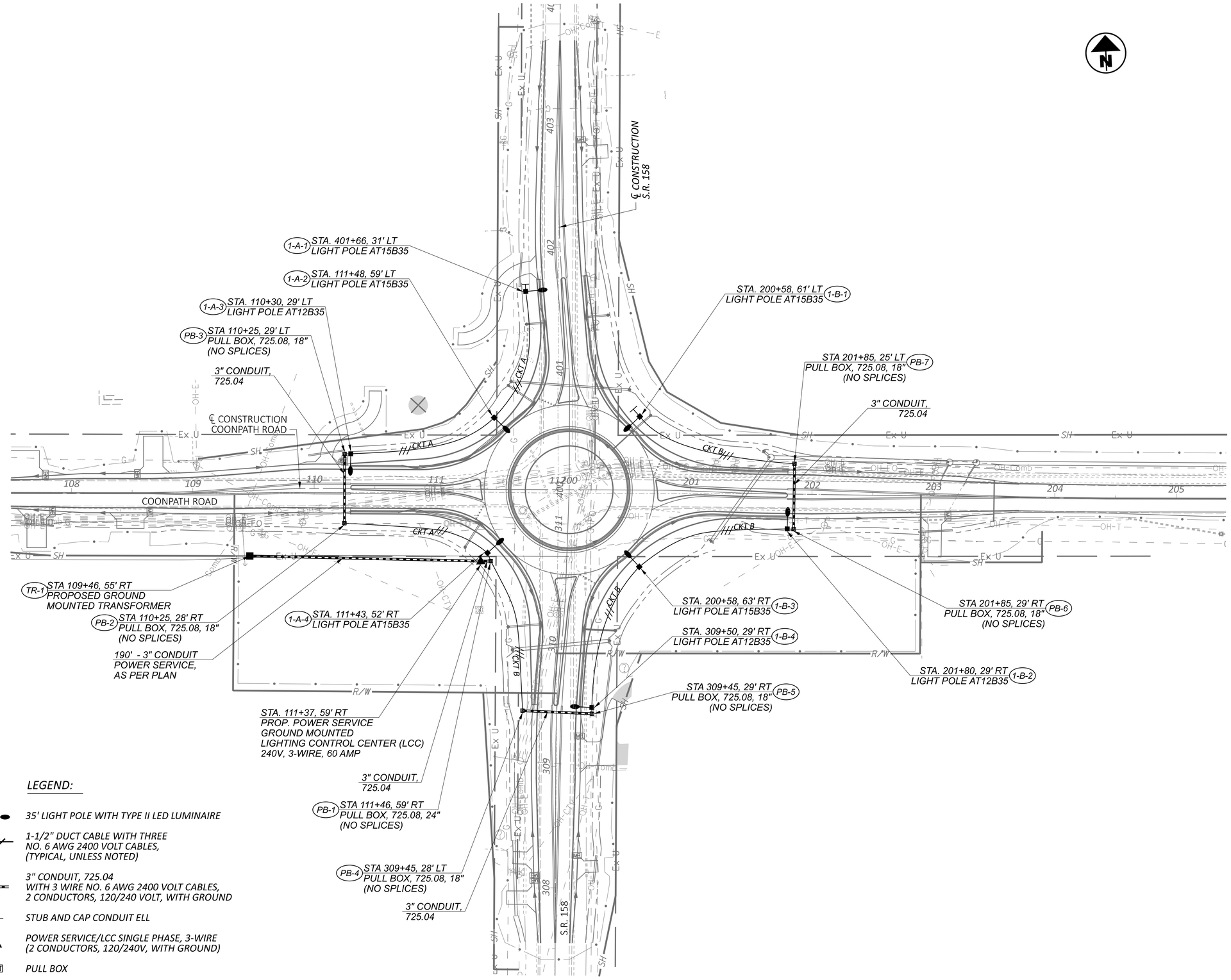
REVIEWER
NSP 06/03/25

PROJECT ID
111621

SHEET P.112 | TOTAL 127

FAI-158-4.20

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LEGEND:

- 35' LIGHT POLE WITH TYPE II LED LUMINAIRE
- 1-1/2" DUCT CABLE WITH THREE NO. 6 AWG 2400 VOLT CABLES, (TYPICAL, UNLESS NOTED)
- 3" CONDUIT, 725.04 WITH 3 WIRE NO. 6 AWG 2400 VOLT CABLES, 2 CONDUCTORS, 120/240 VOLT, WITH GROUND
- STUB AND CAP CONDUIT ELL
- POWER SERVICE/LCC SINGLE PHASE, 3-WIRE (2 CONDUCTORS, 120/240V, WITH GROUND)
- PULL BOX
- GROUND MOUNTED TRANSFORMER

HORIZONTAL SCALE IN FEET
0 20 40 80

LIGHTING PLAN

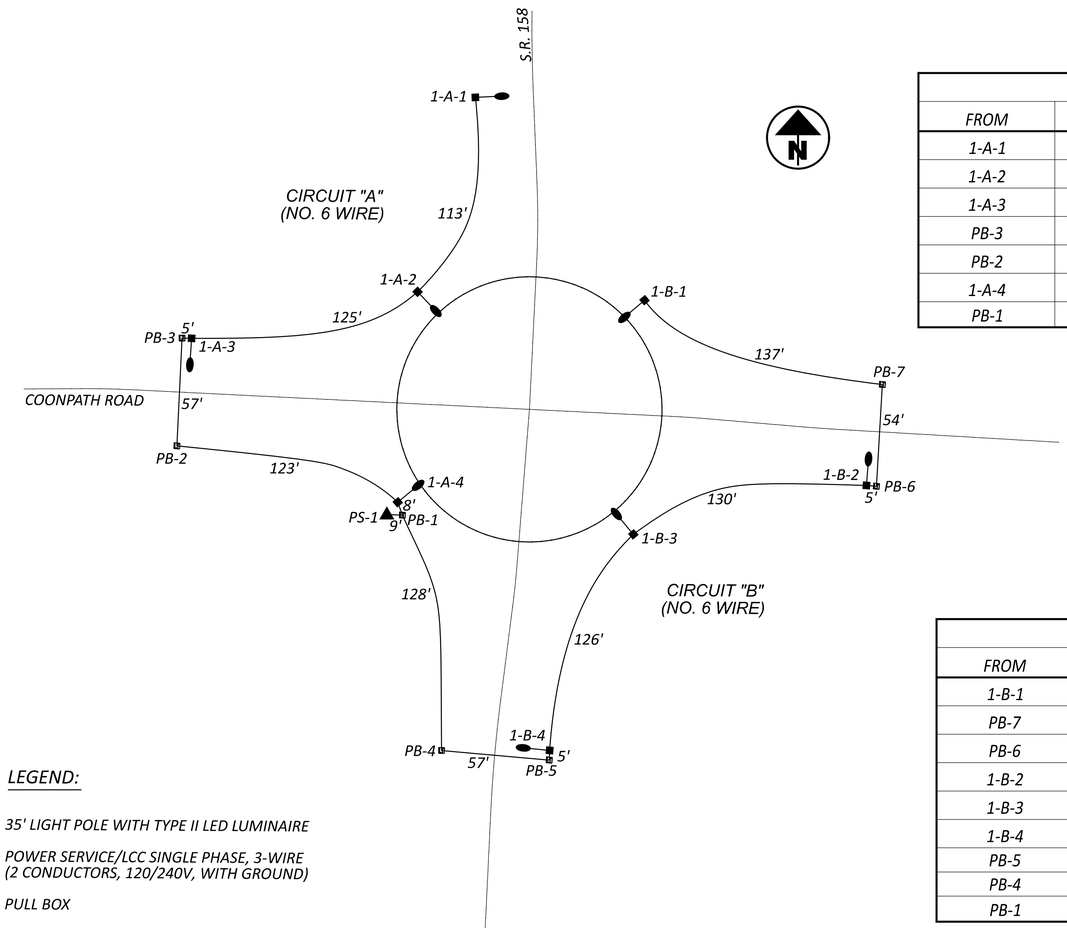
DESIGN AGENCY
AECOM

DESIGNER CX
REVIEWER TS 06/03/25
PROJECT ID 111621
SHEET P.113 TOTAL 127

FAI-158-4.20

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POWER SERVICE DATA									
POWER SERVICE	LINE VOLTAGE (VOLTS)	CONNECTED LAD (KVA)	SERVICE ENTRANCE CABLE (AWG)	ENCLOSURE RATING (AMPS)	CIRCUIT NO.	CIRCUIT LOAD (AMPS)	CIRCUIT FUSE SIZE (AMPS)	CIRCUIT CABLE SIZE (AWG)	MAINTAINING AGENCY
PS-1	120V/240V SERVICE	0.96	4	60	A	2.00	15	6	ODOT
					B	2.00	15	6	



LEGEND:

- *35' LIGHT POLE WITH TYPE II LED LUMINAIRE*
- *POWER SERVICE/LCC SINGLE PHASE, 3-WIRE (2 CONDUCTORS, 120/240V, WITH GROUND)*
- *PULL BOX*

CIRCUIT 'A'
VOLTAGE: 240V
WIRE FACTOR USED (TWO - NO. 6 AWG WIRES): 0.98 OHMS/MFT/1000

SECTION			AMPERES		AMPERE-FEET	AWG	VOLTAGE DROP		% DROP	AT POINT
FROM	TO	DESIGN FEET	AT POINT	ACCUM.			IN SEC.	ACCUM.		
1-A-1	1-A-2	168	0.50	0.50	62	6	0.060	0.59	0.25	1-A-1
1-A-2	1-A-3	180	0.50	1.00	135	6	0.132	0.53	0.22	1-A-2
1-A-3	PB-3	60	0.50	1.50	23	6	0.022	0.40	0.17	1-A-3
PB-3	PB-2	67	0.00	1.50	101	6	0.098	0.38	0.16	PB-3
PB-2	1-A-4	133	0.00	1.50	200	6	0.196	0.28	0.12	PB-2
1-A-4	PB-1	63	0.50	2.00	36	6	0.035	0.08	0.03	1-A-4
PB-1	PS-1	24	0.00	2.00	48	6	0.047	0.05	0.02	PB-1

CIRCUIT 'B'
VOLTAGE: 240V
WIRE FACTOR USED (TWO - NO. 6 AWG WIRES): 0.98 OHMS/MFT/1000

SECTION			AMPERES		AMPERE-FEET	AWG	VOLTAGE DROP		% DROP	AT POINT
FROM	TO	DESIGN FEET	AT POINT	ACCUM.			IN SEC.	ACCUM.		
1-B-1	PB-7	192	0.50	0.50	74	6	0.072	0.93	0.39	1-B-1
PB-7	PB-6	64	0.00	0.50	32	6	0.031	0.85	0.36	PB-7
PB-6	1-B-2	15	0.00	0.50	8	6	0.007	0.82	0.34	PB-6
1-B-2	1-B-3	185	0.50	1.00	140	6	0.137	0.82	0.34	1-B-2
1-B-3	1-B-4	181	0.50	1.50	204	6	0.200	0.68	0.28	1-B-3
1-B-4	PB-5	60	0.50	2.00	30	6	0.029	0.48	0.20	1-B-4
PB-5	PB-4	67	0.00	2.00	134	6	0.131	0.45	0.19	PB-5
PB-4	PB-1	138	0.00	2.00	276	6	0.270	0.32	0.13	PB-4
PB-1	PS-1	24	0.00	2.00	48	6	0.047	0.05	0.02	PB-1

LIGHTING CIRCUIT DIAGRAM

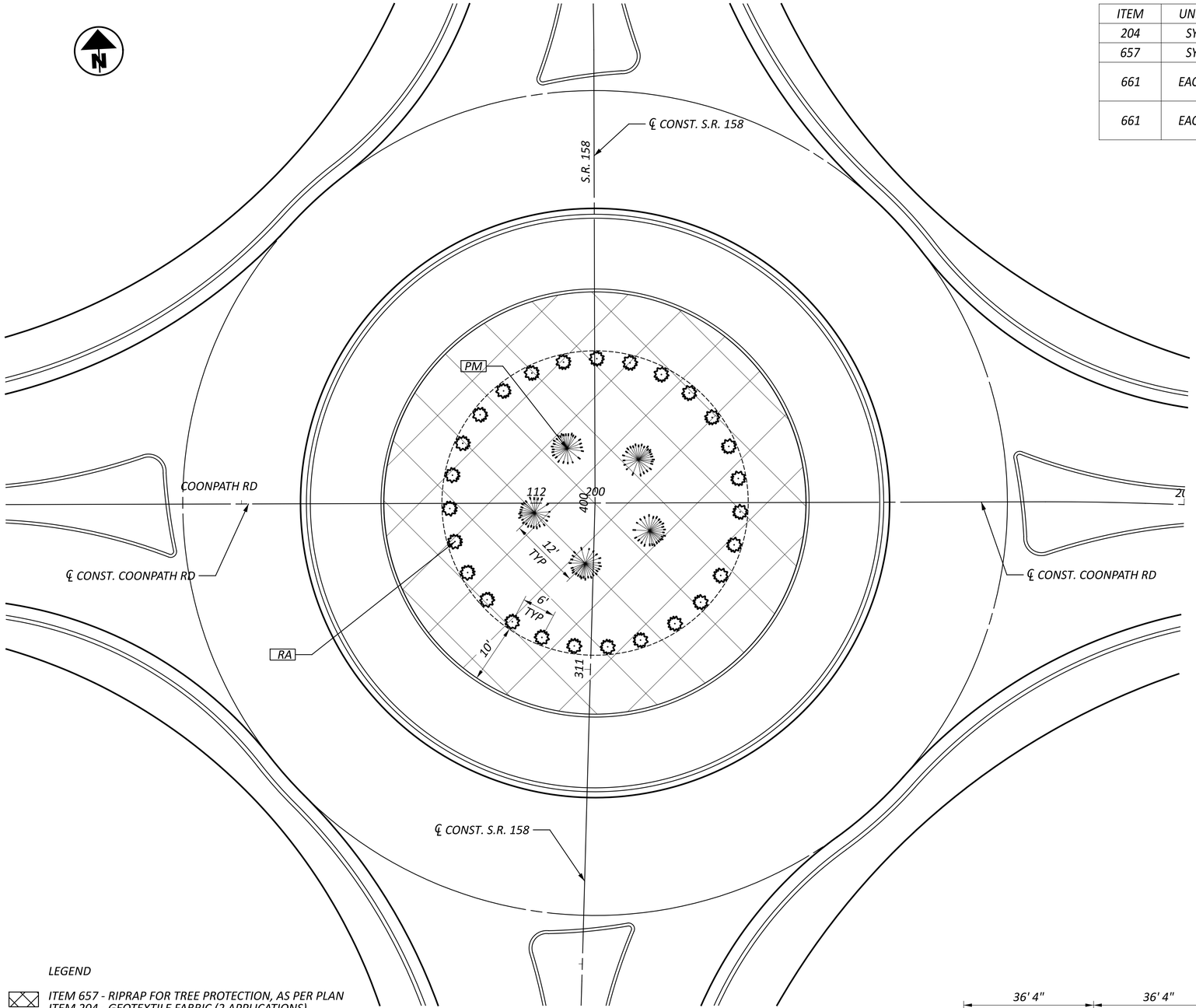
DESIGN AGENCY
AECOM

DESIGNER CX
REVIEWER TS 06/03/25
PROJECT ID 111621
SHEET P.114 TOTAL 127

FAI-158-4.20

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ITEM	UNIT	DESCRIPTION	QTY.	KEY	COMMON NAME
204	SY	GEOTEXTILE FABRIC	896		
657	SY	RIPRAP FOR TREE PROTECTION, AS PER PLAN	448		
661	EACH	DECIDUOUS, SHRUB, 12" HEIGHT (RHUS AROMATICA, B&B 5" MIN.)	27	RA	FRAGRANT SUMAC
661	EACH	EVERGREEN TREE, 2' HEIGHT (PINUS MUGO, B&B 8" MIN.)	5	PM	MUGO PINE



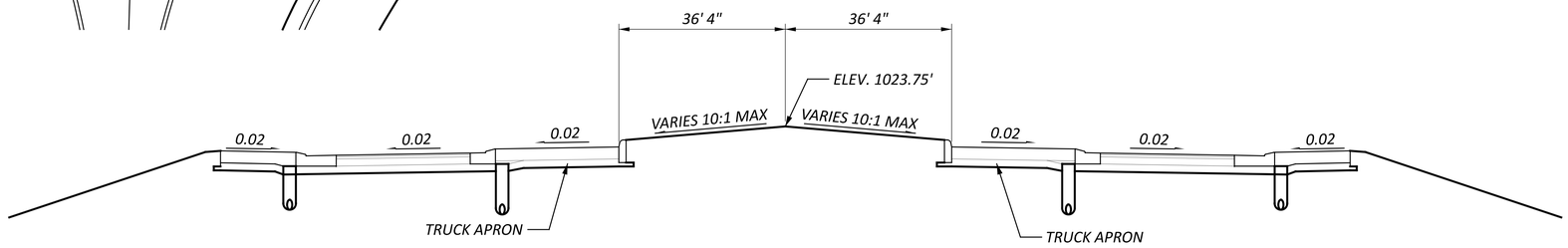
LEGEND

ITEM 657 - RIPRAP FOR TREE PROTECTION, AS PER PLAN
ITEM 204 - GEOTEXTILE FABRIC (2 APPLICATIONS)

ITEM 661 - DECIDUOUS SHRUB, 12" HEIGHT
(RHUS AROMATICA, B&B 5" MIN.)

ITEM 661 - EVERGREEN TREE, 2' HEIGHT
(PINUS MUGO, B&B 8" MIN.)

NOTE: FOR ALIGNMENT DATA, SEE SCHEMATIC PLAN



ELEVATION VIEW

HORIZONTAL SCALE IN FEET
0 5 10 20

LANDSCAPE PLAN ROUNDABOUT

DESIGN AGENCY
AECOM

DESIGNER VHP
REVIEWER NSP 06/03/25
PROJECT ID 111621
SHEET P.115 TOTAL 127

FAI-158-4.20

MODEL: CLP_East_Leg - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 9:02:04 AM USER: PatelV2
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PROJECT DESCRIPTION

IMPROVEMENTS WILL INCLUDE THE INSTALLATION OF A ROUNDABOUT AT THE INTERSECTION OF COONPATH RD NW (CR 31) AND SR 158 RESULTING IN THE RECONSTRUCTION OF 0.16 MILES OF COONPATH RD NW (CR 31) AND 0.14 MILES OF SR 158 AND THE CONSTRUCTION OF CURB, DRAINAGE, LIGHTING, AND NEW SIGNING AND PAVEMENT MARKINGS.

HISTORIC RECORDS

NO HISTORICAL GEOTECHNICAL RECORDS WERE FOUND FOR THIS PROJECT.

GEOLOGY

THE AREA IS LOCATED WITHIN THE GALION GLACIATED LOW PLATEAU PHYSIOGRAPHIC REGION. THE AREA IS CHARACTERIZED AS A TRANSITIONAL AREA BETWEEN THE GENTLY ROLLING GLACIAL TILL PLAINS TO THE WEST AND THE HILLY GLACIATED ALLEGHENY PLATEAU TO THE EAST WITH A LARGE LACUSTRINE BASIN PRESENT WITHIN THE AREA. THE ODNR INTERACTIVE GEOLOGIC MAP INDICATES THAT THE OVERBURDEN SOILS ARE AT THE TRANSITION BETWEEN AN END MORAINE AND A GROUND MORAINE DEPOSIT. THE PROJECT AREA IS UNDERLAIN BY LIMESTONE, SANDSTONE, AND SHALE OF MISSISSIPPIAN AGE.

RECONNAISSANCE

FIELD RECONNAISSANCE WAS COMPLETED ON SEPTEMBER 9, 2021, BY PERSONNEL FROM THE OFFICE OF GEOTECHNICAL ENGINEERING (OGE). THE EXISTING ROADWAY IS CONSTRUCTED AT OR NEAR THE EXISTING GRADE WITH THE PAVEMENT NOTED AS BEING IN GOOD CONDITION. THE PROJECT CONSISTS OF ADDING A NEW ROUNDABOUT WITHIN AN AGRICULTURAL FIELD LOCATED AT THE NORTHEAST QUADRANT OF THE INTERSECTION OF SR 158 AND COONPATH RD NW (CR 31). THE REMAINING AREAS ARE RURAL RESIDENTIAL LOTS.

SUBSURFACE EXPLORATION

NINE (9) BORINGS, B-001-0-21, B-002-0-21, B-004-0-21 THROUGH B-007-0-21, B-008-1-21, B-009-0-21, AND B-010-0-21 WERE COMPLETED AS PART OF THE SUBSURFACE EXPLORATION ON SEPTEMBER 15 AND OCTOBER 5, 2021, UTILIZING A TRUCK MOUNTED CME 55 ROTARY DRILL RIG, EXCEPT FOR B-008-1-21 WHICH UTILIZED AN ACKER XLS TRACK MOUNTED ROTARY DRILL. THE CME 55 BORINGS WERE COMPLETED USING 3.5-INCH O.D. SOLID STEM AUGERS AND THE ACKER XLS BORING WAS COMPLETED USING 3.25-INCH I.D. HOLLOW STEM AUGERS TO ADVANCE THE BORINGS THROUGH THE SOIL. DISTURBED SAMPLES WERE COLLECTED IN ACCORDANCE WITH THE STANDARD PENETRATION TEST (AASHTO T206) AT CONTINUOUS INTERVALS WITHIN THE OVERBURDEN SOILS. THE CME 55 AND ACKER XLS HAMMER SYSTEM WAS CALIBRATED ON APRIL 15, 2020, AND MAY 1, 2019, RESPECIVELY, WITH AN AVERAGE DRILL ROD ENERGY RATIO (ER) OF 84% AND 90%, RESPECIVELY.

ADDITIONALLY, SEVEN (7) DUAL MASS DYNAMIC CONE PENETRATION (DCP) SOUNDINGS, D-002-1-21, D-003-0-21, D-003-1-21, D-005-1-21, D-006-1-21, D-008-0-21, AND D-009-1-21, WERE COMPLETED AS PART OF THE SUBSURFACE EXPLORATION ON OCTOBER 26, 2021. ALL SOUNDINGS WERE COMPLETED UTILIZING A KESSLER SAPPER AUTOMATIC DUAL MASS DCP UNIT IN ACCORDANCE WITH ASTM D-6951.

EXPLORATION FINDINGS

BORINGS B-001-0-21, B-004-0-21, B-005-0-21, B-007-0-21, B-009-0-21, AND B-010-0-21 WERE COMPLETED WITHIN THE EXISTING ROADWAY AND ENCOUNTERED 7 TO 14 INCHES OF ASPHALT UNDERLAIN BY AGGREGATE BASE RANGING BETWEEN 4 AND 11 INCHES IN THICKNESS, EXCEPT FOR B-001-0-21 AND B-010-0-21 WHICH ENCOUNTERED 3 INCHES OF BRICK BENEATH THE ASPHALT. B-002-0-21, D-002-1-21, D-005-1-21, B-006-0-21, D-006-1-21, AND D-009-1-21 WERE COMPLETED WITHIN THE EXISTING AGGREGATE BERM AND ENCOUNTERED AGGREGATE BASE RANGING BETWEEN 12 AND 20 INCHES IN DEPTH. D-003-0-21, D-003-1-21, D-008-0-21, AND B-008-1-21 WERE COMPLETED AT THE BASE OF THE EXISTING SLOPES WITHIN THE QUADRANTS OF THE INTERSECTION AND ENCOUNTERED TOPSOIL RANGING BETWEEN 4 AND 13 INCHES IN THICKNESS.

BENEATH THE SURFACE MATERIALS THE BORINGS ENCOUNTERED PREDOMINATELY COHESIVE SOILS CONSISTING OF SANDY SILT (A-4a) AND SILT AND CLAY (A-6a) WHICH TYPICALLY RANGED FROM STIFF TO VERY STIFF IN CONSISTENCY, AND DAMP TO MOIST IN CONDITION. B-001-0-21 FIRST ENCOUNTERED LOOSE STONE FRAGMENTS (A-1-a) IN MOIST CONDITION EXTENDING TO ELEVATION 1021.6 FEET PRIOR TO ENCOUNTERING COHESIVE SOILS. B-002-0-21 FIRST ENCOUNTERED SOFT SANDY SILT (A-4a) BENEATH THE AGGREGATE BASE MATERIAL WHICH BECAME STIFF AT ELEVATION 1020.1 FEET. WITHIN B-005-0-21 MEDIUM STIFF COHESIVE SOILS WERE ENCOUNTERED EXTENDING TO ELEVATION 1015.5 FEET BEFORE BECOMING VERY STIFF. IN B-007-0-21 GRAVEL AND STONE FRAGMENTS WITH SAND AND SILT (A-2-4) WAS ENCOUNTERED IN MEDIUM DENSE COMPACTNESS BETWEEN ELEVATION 1000.7 AND 999.2 FEET AND IN LOOSE COMPACTNESS AT ELEVATION 996.2 FEET INTO WHICH THE BORING WAS TERMINATED. BORING B-009-0-21 ENCOUNTERED MEDIUM DENSE GRAVEL AND STONE FRAGMENTS WITH SAND AND SILT (A-2-4) BETWEEN ELEVATION 1018.1 AND 1016.6 FEET UNDERLAIN BY MEDIUM STIFF SILT AND CLAY (A-6a) BECOMING STIFF AT ELEVATION 1015.1 FEET.

ALL BORINGS WERE REPORTED AS BEING DRY AT COMPLETION OF THE DRILLING ACTIVITIES.

DCP SOUNDINGS D-002-1-21, D-005-1-21, D-006-1-21 AND D-009-1-21 WERE COMPLETED WITHIN THE EXISTING AGGREGATE BERM. D-002-1-21 AND D-006-1-21 ENCOUNTERED CBR VALUES LESS THAN THE DESIGN CBR OF 7 BELOW THE PROPOSED TOP OF SUBGRADE ELEVATION TO DEPTHS OF AROUND 39 AND 21 INCHES, RESPECTIVELY, WHERE CBR VALUES ABOVE 7 WERE ENCOUNTERED TO THE CONCLUSION OF THE SOUNDINGS. D-005-1-21 AND D-009-1-21 ENCOUNTERED CBR VALUES GREATER THAN 7 IMMEDIATELY BELOW THE PROPOSED SUBGRADE ELEVATION TO AROUND DEPTHS OF 20 AND 29 INCHES RESPECTIVELY WHERE SOILS WITH CBR VALUES OF LESS THAN 7 WERE ENCOUNTERED TO DEPTHS AROUND 36 INCHES.

DCP SOUNDINGS D-003-0-21, D-003-1-21 AND D-008-0-21 WERE COMPLETED AT THE BASE OF THE SLOPES WITHIN THE LIMITS OF THE PROPOSED ROUNDABOUT. D-003-0-21 AND D-008-0-21 ENCOUNTERED CBR VALUES BELOW 7 TO DEPTHS AROUND 18 INCHES WHERE CBR VALUES INCREASED TO ABOVE 7 EXCEPT FOR A LAYER FROM AROUND 32 TO 36 INCHES IN D-003-0-21. D-003-1-21 ENCOUNTERED CBR VALUES BELOW 7 FOR MUCH OF ITS SOUNDING.

LEGEND

DESCRIPTION	ODOT CLASS	CLASSIFIED MECH.	CLASSIFIED VISUAL
STONE FRAGMENTS	A-1-a	1	1
GRAVEL AND STONE FRAGMENTS WITH SAND AND SILT	A-2-4	3	-
SANDY SILT	A-4a	10	7
SILT AND CLAY	A-6a	6	9
SILTY CLAY	A-6b	1	-
	TOTAL	21	17
PAVEMENT AND/OR BASE = X = APPROXIMATE THICKNESS	VISUAL		
TOPSOIL = X = APPROXIMATE THICKNESS	VISUAL		

DCP OR BORING LOCATION - PLAN VIEW.

DCP SOUNDING PLOTTED TO VERTICAL SCALE ONLY.

DRIVE SAMPLE BORING PLOTTED TO VERTICAL SCALE ONLY. HORIZONTAL BAR INDICATES A CHANGE IN STRATIGRAPHY.

WC — INDICATES WATER CONTENT IN PERCENT.

N_{60} — INDICATES STANDARD PENETRATION RESISTANCE NORMALIZED TO 60% DRILL ROD ENERGY RATIO.

● — INDICATES A PLASTIC MATERIAL WITH A MOISTURE CONTENT EQUAL TO OR GREATER THAN THE LIQUID LIMIT MINUS 3.

NP — INDICATES A NON-PLASTIC SAMPLE.

SO4 — INDICATES SULFATE CONTENT IN PARTS PER MILLION (ppm).

SS — INDICATES A SPLIT SPOON SAMPLE.

SPECIFICATIONS

THIS GEOTECHNICAL EXPLORATION WAS PERFORMED IN ACCORDANCE WITH THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, OFFICE OF GEOTECHNICAL ENGINEERING, SPECIFICATIONS FOR GEOTECHNICAL EXPLORATIONS, DATED JULY 2021.

AVAILABLE INFORMATION

THE SOIL, BEDROCK, AND GROUNDWATER INFORMATION COLLECTED FOR THIS SUBSURFACE EXPLORATION THAT CAN BE CONVENIENTLY DISPLAYED ON THE GEOTECHNICAL PROFILE SHEETS HAS BEEN PRESENTED. GEOTECHNICAL REPORTS, IF PREPARED, ARE AVAILABLE FOR REVIEW ON THE OFFICE OF CONTRACT SALES WEBSITE.

INDEX OF SHEETS			
SUMMARY OF SOIL TEST DATA, SHEET 2.			
LOCATION FROM STA. TO STA.	PLAN VIEW	PROFILE VIEW	CROSS SECTION
SR 158 (SOUTH LEG) 305+75.00 311+28.25	3	3	-
SR 158 (NORTH LEG) 400+00.00 405+25.00	4	4	-
400+50.00	-	-	7
COONPATH RD NW (WEST LEG) 106+50.00 112+09.96	5	5	-
COONPATH RD NW (EAST LEG) 200+00.00 205+50.00	6	6	-
200+50.00	-	-	8
DCP SOUNDING LOGS, SHEETS 9-12.			



LOCATION MAP

SCALE IN MILES

0 1 2 3 4

N

PARTICLE SIZE DEFINITIONS

12"	3"	2.0 mm	0.42 mm	0.074 mm	0.005 mm
BOULDERS	COBBLES	GRAVEL	COARSE SAND	FINE SAND	SILT	CLAY
		No. 10 SIEVE	No. 40 SIEVE	No. 200 SIEVE		

RECON. -	AMJ	09/09/21
DRILLING -	AMJ, KAM	09/15/21 - 10/05/21
DCP -	AMJ, JMB	10/26/21
DRAWN -	ARR	02/23/24
REVIEWED -	AJC	02/23/24

GEOTECHNICAL PROFILE - ROADWAY

DESIGN AGENCY

DESIGNER ARR

REVIEWER AJC 02/23/24

PROJECT ID 111621

SUBSET 1 TOTAL 12

SHEET P.116 TOTAL 127

FAI-158-4.20

MODEL: Cover Sheet PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 9:02:21 AM USER: PatelV2
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\111621\402-Engineering_AECOM\Geotechnical\Sheets\111621_IC001.dgn

SUMMARY OF SOIL TEST DATA
SR 158 (SOUTH LEG)

EXPLOR. ID	FROM	-	TO	SAMPLE ID	N60	% REC	tsf HP	% GR	% CS	% FS	% SILT	% CLAY	LL	PL	PI	% WC	ODOT CLASS (GI)	ppm SO4
B-001-0-21	1.50	-	3.00	SS-1	8	22	-	56	20	12	10	2	NP	NP	NP	8	A-1-a (0)	-
STA. 306+04, 15' LT.	3.00	-	4.50	SS-2	7	17	-				SAME AS SS-1					10	A-1-a (VISUAL)	-
LATITUDE = 39.767436	4.50	-	6.00	SS-3	13	100	1.50	20	7	19	24	30	30	18	12	17	A-6a (5)	310
LONGITUDE = -82.617071	6.00	-	7.50	SS-4	20	100	2.00				SAME AS SS-3					16	A-6a (VISUAL)	-
B-002-0-21	1.50	-	3.00	SS-1	4	67	0.25	27	19	18	20	16	22	16	6	14	A-4a (0)	380
STA. 308+92, 15' RT.	3.00	-	4.50	SS-2	13	78	1.00				SAME AS SS-1					17	A-4a (VISUAL)	-
LATITUDE = 39.768224	4.50	-	6.00	SS-3	17	100	2.00	14	9	17	28	32	24	17	7	13	A-4a (5)	740
LONGITUDE = -82.616915	6.00	-	7.50	SS-4	22	100	1.50				SAME AS SS-3					14	A-4a (VISUAL)	-

SUMMARY OF SOIL TEST DATA
SR 158 (NORTH LEG)

EXPLOR. ID	FROM	-	TO	SAMPLE ID	N60	% REC	tsf HP	% GR	% CS	% FS	% SILT	% CLAY	LL	PL	PI	% WC	ODOT CLASS (GI)	ppm SO4
B-008-1-21	1.00	-	2.50	SS-1	17	67	4.00	3	4	16	43	34	30	18	12	17	A-6a (9)	150
STA. 400+36, 40' RT.	2.50	-	4.00	SS-2	27	72	4.50	5	6	16	39	34	30	18	12	17	A-6a (8)	130
LATITUDE = 39.768963	4.00	-	5.50	SS-3	14	72	1.00				SAME AS SS-2					18	A-6a (VISUAL)	-
LONGITUDE = -82.616746	5.50	-	7.00	SS-4	15	100	1.50				SAME AS SS-2					15	A-6a (VISUAL)	-
	7.00	-	8.50	SS-5	21	100	1.50	11	10	16	36	27	23	15	8	14	A-4a (6)	-
	8.50	-	10.00	SS-6	24	100	4.50				SAME AS SS-5					13	A-4a (VISUAL)	-
B-009-0-21	1.50	-	3.00	SS-1	11	44	-	40	21	12	14	13	24	15	9	11	A-2-4 (0)	-
STA. 402+39, 13' LT.	3.00	-	4.50	SS-2	6	78	1.00	5	7	7	43	38	31	18	13	20	A-6a (9)	110
LATITUDE = 39.769529	4.50	-	6.00	SS-3	13	100	2.00				SAME AS SS-2					23	A-6a (VISUAL)	420
LONGITUDE = -82.616932	6.00	-	7.50	SS-4	17	100	2.00				SAME AS SS-2					22	A-6a (VISUAL)	-
B-010-0-21	1.50	-	3.00	SS-1	17	44	2.00	13	18	16	34	19	20	15	5	12	A-4a (4)	-
STA. 404+96, 10' RT.	3.00	-	4.50	SS-2	8	67	1.50	6	6	14	28	46	38	20	18	22	A-6b (11)	650
LATITUDE = 39.770228	4.50	-	6.00	SS-3	20	100	2.50	16	8	15	32	29	25	16	9	13	A-4a (5)	230
LONGITUDE = -82.616805	6.00	-	7.50	SS-4	38	67	4.25				SAME AS SS-3					15	A-4a (VISUAL)	-

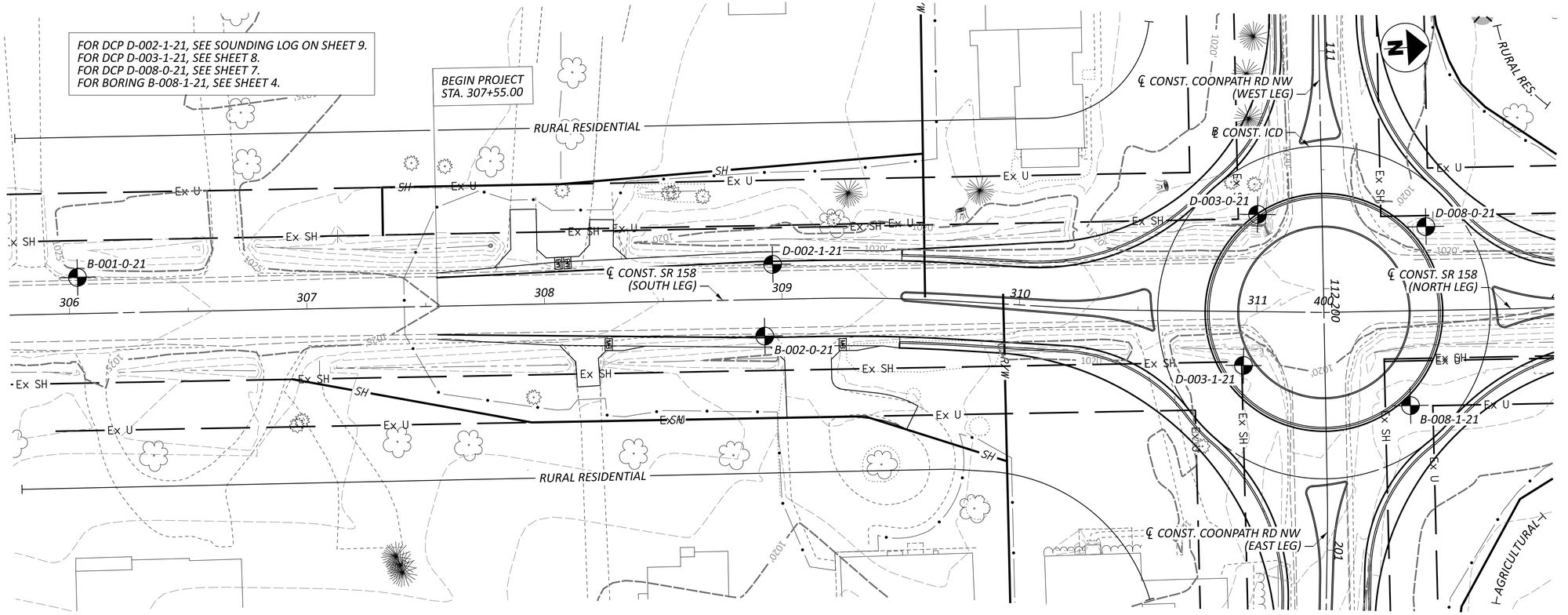
SUMMARY OF SOIL TEST DATA
COONPATH RD NW (WEST LEG)

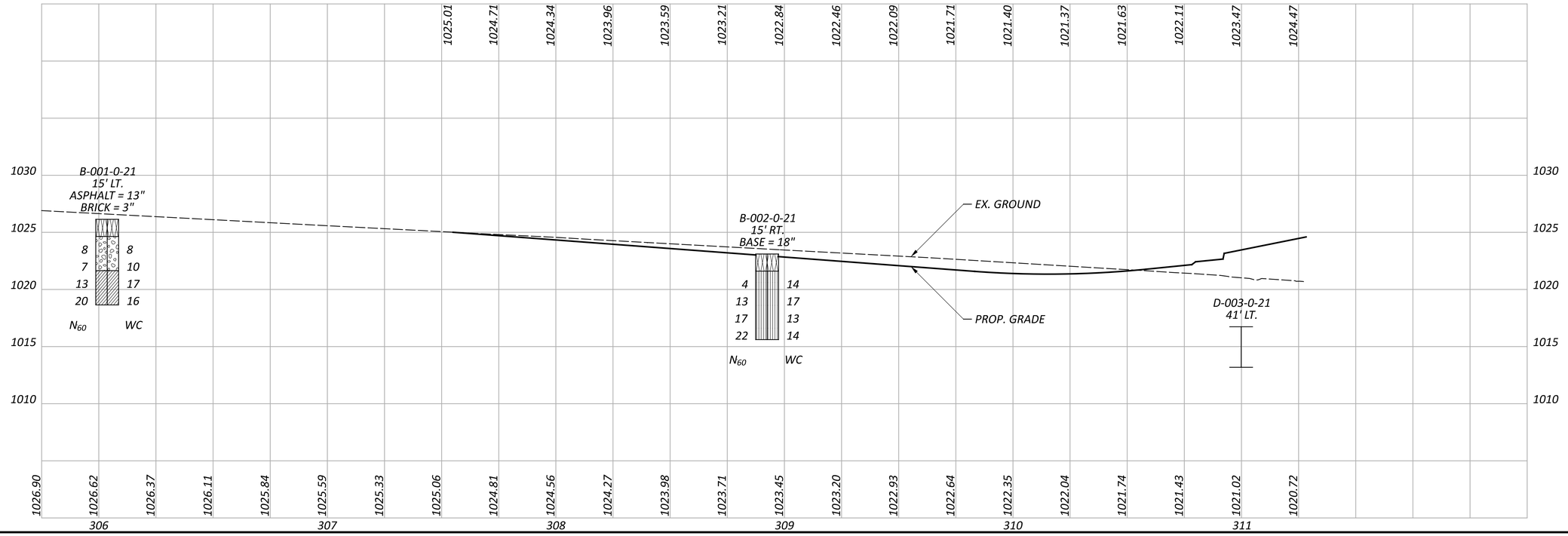
EXPLOR. ID	FROM	-	TO	SAMPLE ID	N60	% REC	tsf HP	% GR	% CS	% FS	% SILT	% CLAY	LL	PL	PI	% WC	ODOT CLASS (GI)	ppm SO4
B-004-0-21	1.50	-	3.00	SS-1	15	78	2.00	14	20	24	28	14	17	13	4	13	A-4a (1)	140
STA. 106+70, 4' RT.	3.00	-	4.50	SS-2	13	83	1.00				SAME AS SS-1					16	A-4a (VISUAL)	-
LATITUDE = 39.768917	4.50	-	6.00	SS-3	25	100	3.00	13	9	17	30	31	24	16	8	13	A-4a (5)	790
LONGITUDE = -82.618813	6.00	-	7.50	SS-4	25	100	3.00				SAME AS SS-3					13	A-4a (VISUAL)	-
B-005-0-21	1.50	-	3.00	SS-1	7	78	1.00	6	10	14	44	26	25	18	7	20	A-4a (7)	160
STA. 109+98, 5' LT.	3.00	-	4.50	SS-2	7	67	0.50				SAME AS SS-3					20	A-6a (VISUAL)	-
LATITUDE = 39.768914	4.50	-	6.00	SS-3	10	100	0.50	8	9	30	23	30	31	16	15	23	A-6a (6)	130
LONGITUDE = -82.617647	6.00	-	7.50	SS-4	15	56	2.50				SAME AS SS-3					17	A-6a (VISUAL)	-

SUMMARY OF SOIL TEST DATA
COONPATH RD NW (EAST LEG)

EXPLOR. ID	FROM	-	TO	SAMPLE ID	N60	% REC	tsf HP	% GR	% CS	% FS	% SILT	% CLAY	LL	PL	PI	% WC	ODOT CLASS (GI)	ppm SO4
B-006-0-21	1.50	-	3.00	SS-1	11	78	1.00	26	14	18	21	21	22	14	8	12	A-4a (1)	140
STA. 202+74, 13' RT.	3.00	-	4.50	SS-2	11	100	1.50	9	4	19	30	38	30	17	13	19	A-6a (8)	110
LATITUDE = 39.768790	4.50	-	6.00	SS-3	18	100	1.50				SAME AS SS-2					14	A-6a (VISUAL)	-
LONGITUDE = -82.615923	6.00	-	7.50	SS-4	31	100	4.00				SAME AS SS-2					12	A-6a (VISUAL)	-
B-007-0-21	1.50	-	3.00	SS-1	13	89	-	29	25	17	19	10	22	16	6	11	A-2-4 (0)	170
STA. 205+28, 8' LT.	3.00	-	4.50	SS-2	15	67	1.00	23	9	20	30	18	21	16	5	13	A-4a (3)	<100
LATITUDE = 39.768811	4.50	-	6.00	SS-3	10	56	1.00				SAME AS SS-2					12	A-4a (VISUAL)	-
LONGITUDE = -82.615019	6.00	-	7.50	SS-4	10	56	-	35	13	18	20	14	23	15	8	12	A-2-4 (0)	-

GEOTECHNICAL PROFILE - ROADWAY
SUMMARY OF SOIL TEST DATA





HORIZONTAL SCALE IN FEET
0 12.5 25 50

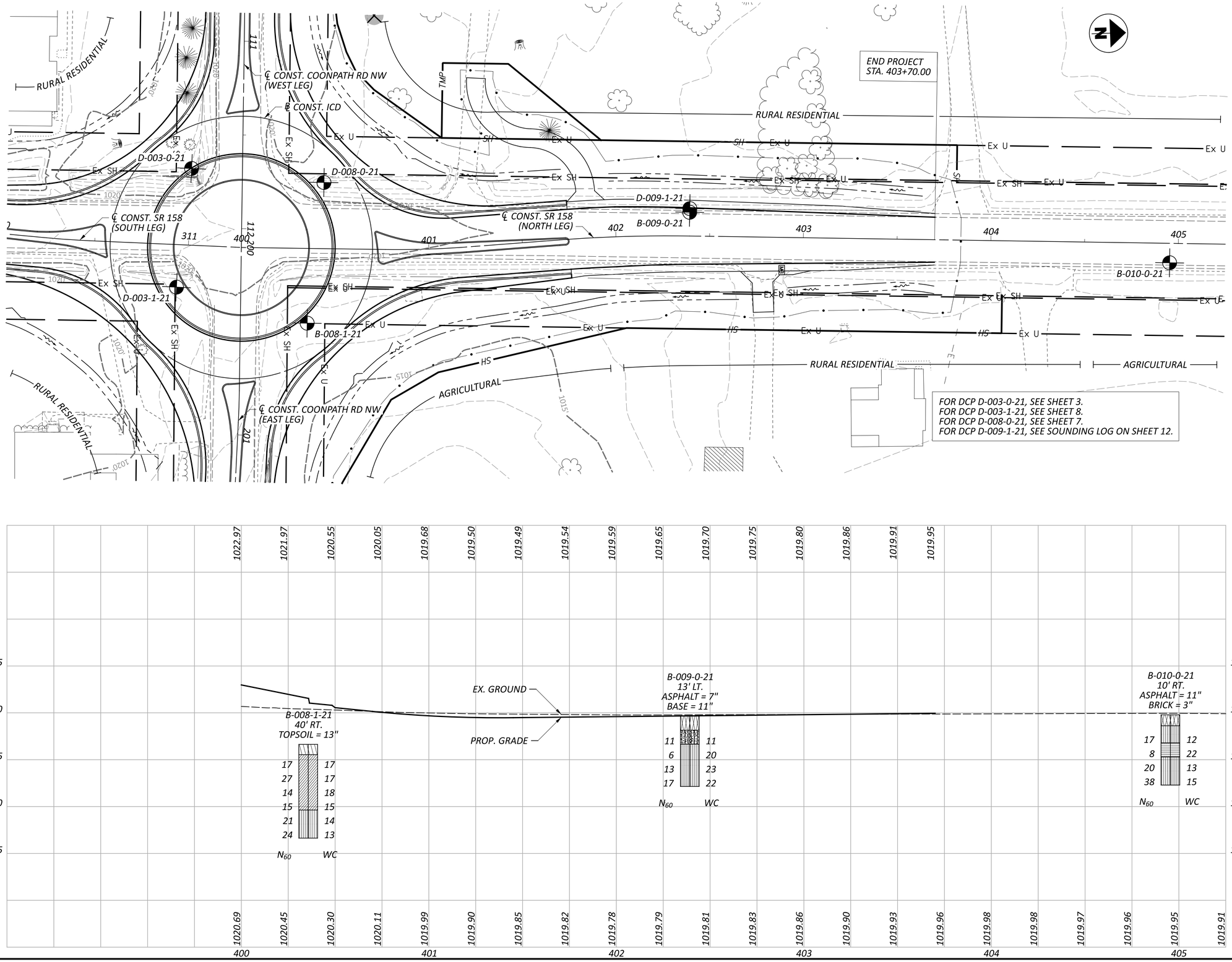
GEOTECHNICAL PROFILE - ROADWAY
STA. 305+75.00 TO STA. 311+28.25 SR 158 (SOUTH LEG)

DESIGN AGENCY

DESIGNER	ARR
REVIEWER	AJC 02/23/24
PROJECT ID	111621
SUBSET	3
TOTAL	12
SHEET	P.118
TOTAL	127

FAI-158-4.20

MODEL: CLP_South_Leg - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 9:02:55 AM USER: PatelV2
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HORIZONTAL SCALE IN FEET
0 12.5 25 50

GEOTECHNICAL PROFILE - ROADWAY
STA. 400+00.00 TO STA. 405+25.00 SR 158 (NORTH LEG)

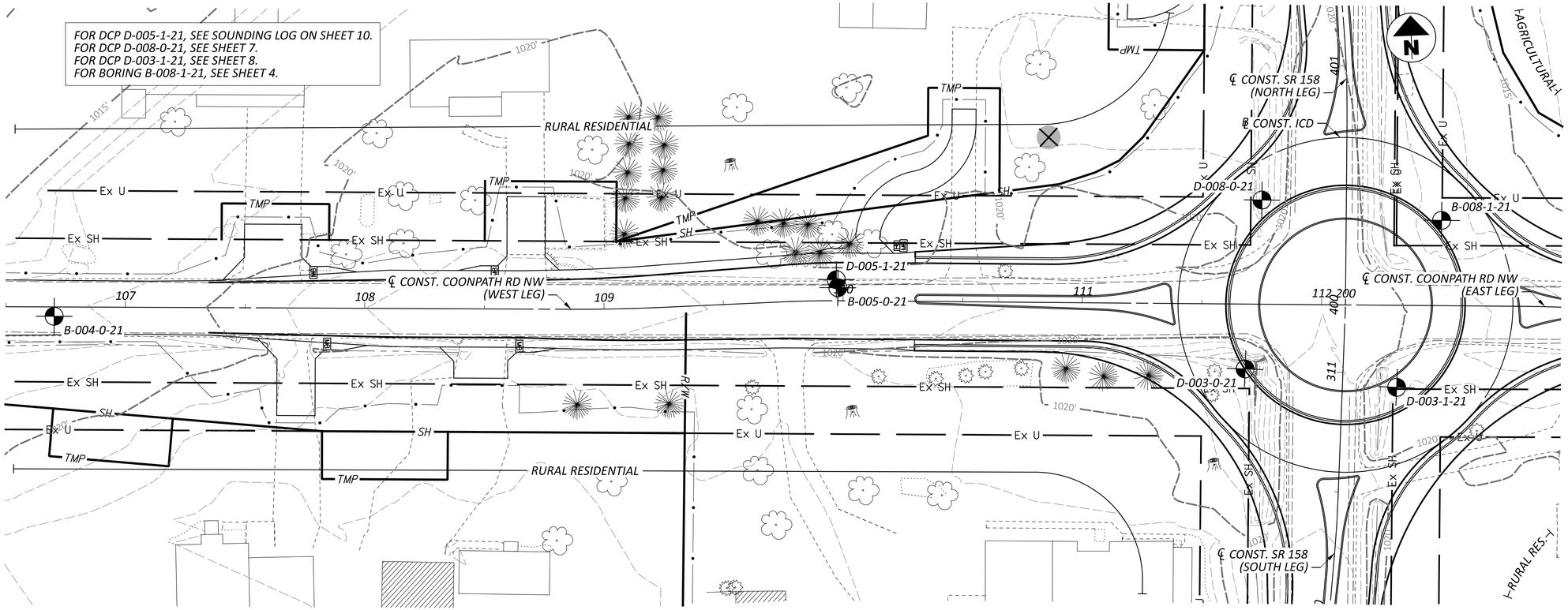
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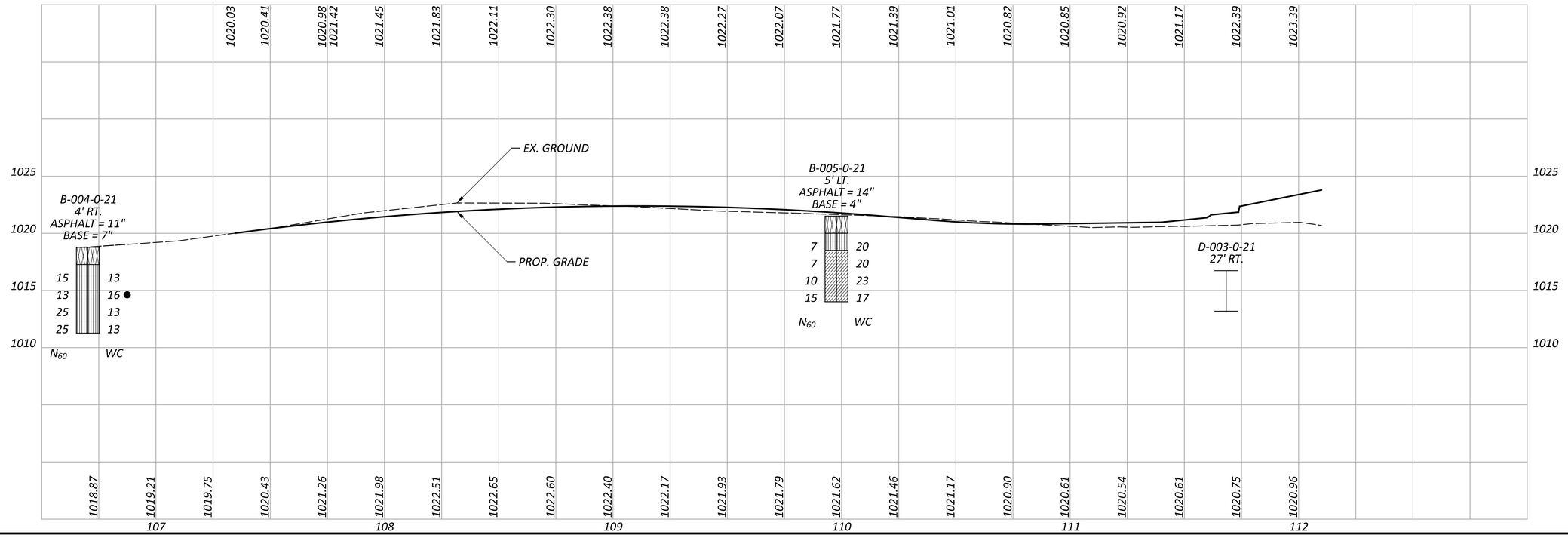
DESIGNER	ARR
REVIEWER	AJC 02/23/24
PROJECT ID	111621
SUBSET / TOTAL	4 / 12
SHEET / TOTAL	P.119 / 127

FAI-158-4.20

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FOR DCP D-005-1-21, SEE SOUNDING LOG ON SHEET 10.
FOR DCP D-008-0-21, SEE SHEET 7.
FOR DCP D-003-1-21, SEE SHEET 8.
FOR BORING B-008-1-21, SEE SHEET 4.





GEOTECHNICAL PROFILE - ROADWAY
STA. 106+50.00 TO STA. 112+09.96 COONPATH RD NW (WEST LEG)

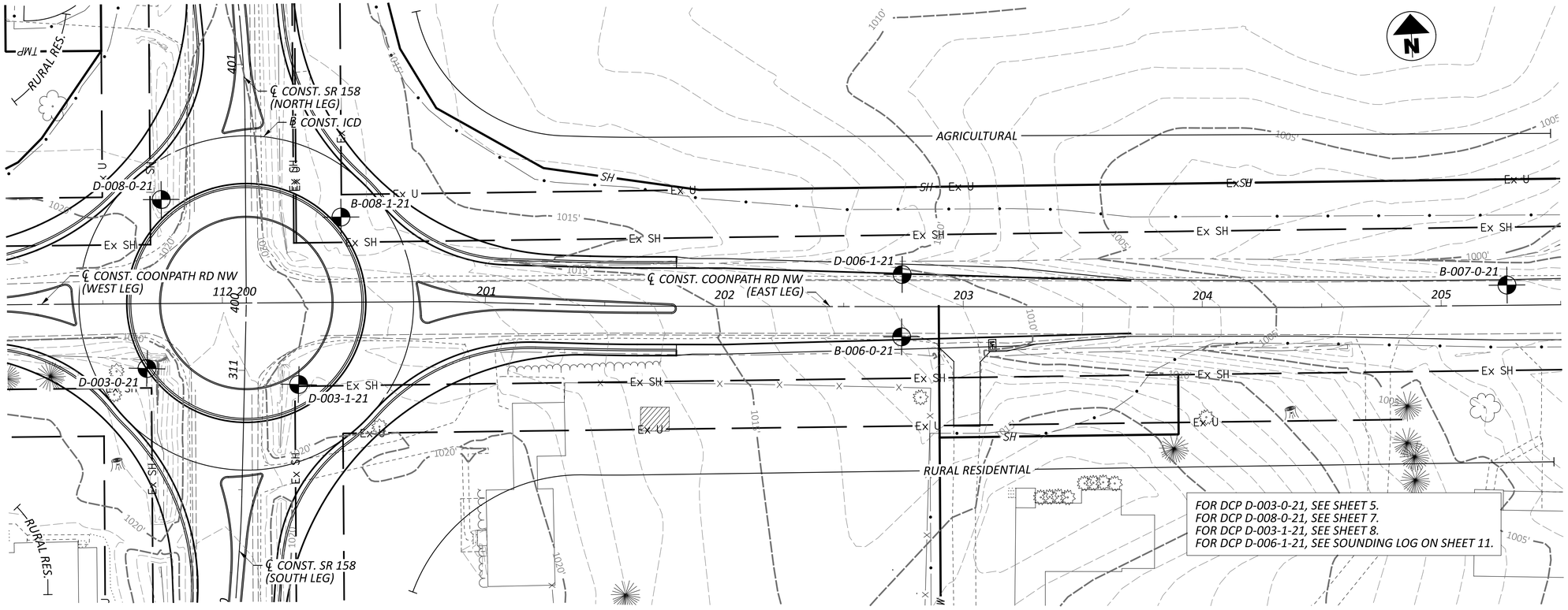
HORIZONTAL SCALE IN FEET
0 12.5 25 50

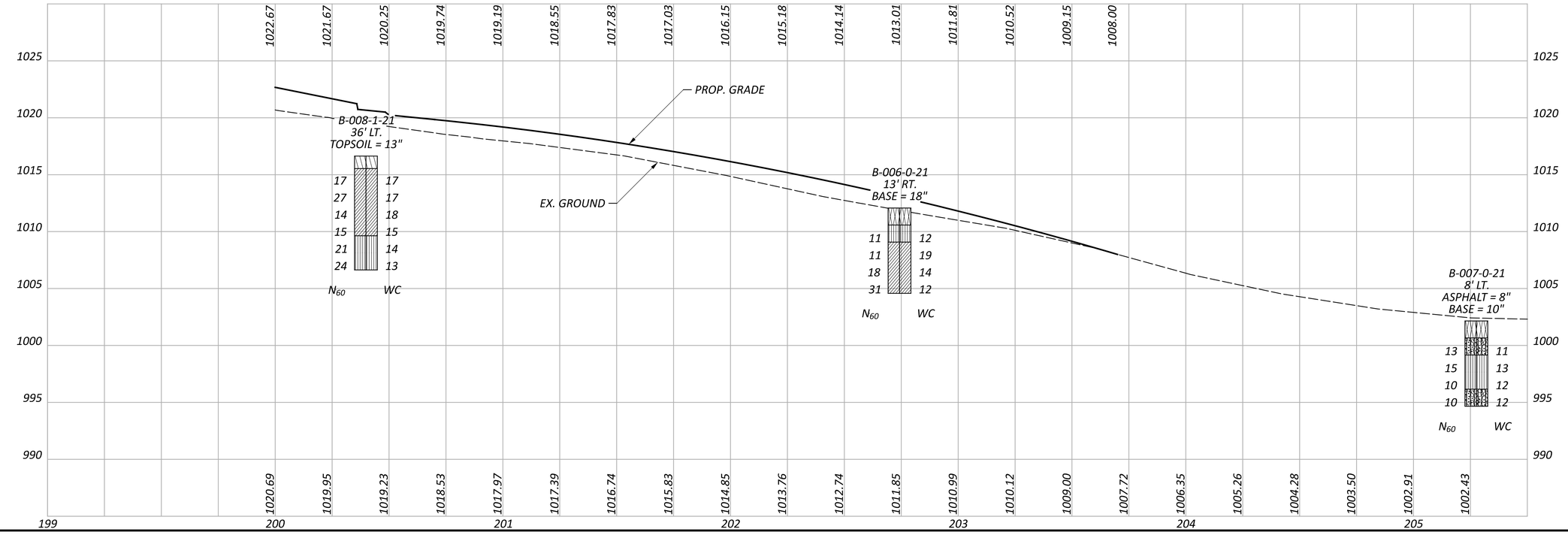
DESIGN AGENCY

DESIGNER ARR
REVIEWER AJC 02/23/24
PROJECT ID 111621
SUBSET 5 TOTAL 12
SHEET P.120 TOTAL 127

FAI-158-4.20

MODEL: CLP_West_Leg - Plan 3 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 9:03:14 AM USER: PateV2
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HORIZONTAL SCALE IN FEET
0 12.5 25 50

GEOTECHNICAL PROFILE - ROADWAY
STA. 200+00.00 TO STA. 205+50.00 COONPATH RD NW (EAST LEG)

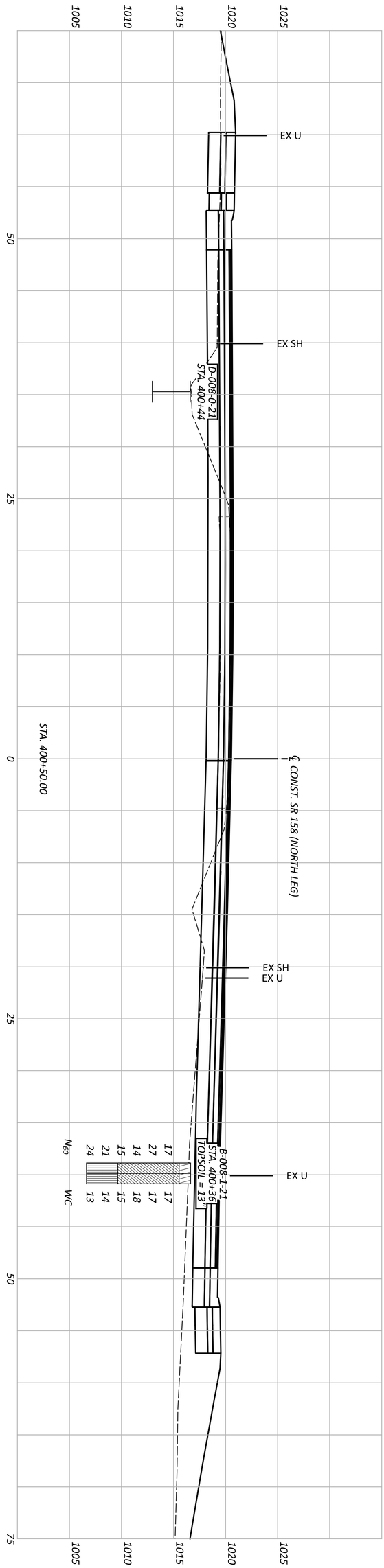
DESIGN AGENCY

DESIGNER	ARR
REVIEWER	AJC 02/23/24
PROJECT ID	111621
SUBSET / TOTAL	6 / 12
SHEET / TOTAL	P.121 / 127

FAI-158-4.20

MODEL: CLP_East_Leg - Plan 4 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 9:03:15 AM USER: PateV2
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MODEL: CLP_North_Leg - 400+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 9:03:32 AM USER: PatelV2
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DESIGNER ARR
REVIEWER AJC 02/23/24
PROJECT ID 111621
SUBSET 7 TOTAL 12
SHEET P.122 TOTAL 127
DESIGN AGENCY

GEOTECHNICAL PROFILE - ROADWAY
CROSS SECTION STA. 400+50 SR 158 (NORTH LEG)

GEOTECHNICAL PROFILE - ROADWAY
CROSS SECTION STA. 200+50 COONPATH RD NW (EAST LEG)

FAI-158-4.20

MODEL: CLP_East_Leg - 200+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 9:03:52 AM USER: PateV2
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DESIGN AGENCY

DESIGNER
ARR

REVIEWER
AJC 02/23/24

PROJECT ID
111621

SUBSET	TOTAL
8	12

SHEET	TOTAL
P.123	127

DCP TEST DATA

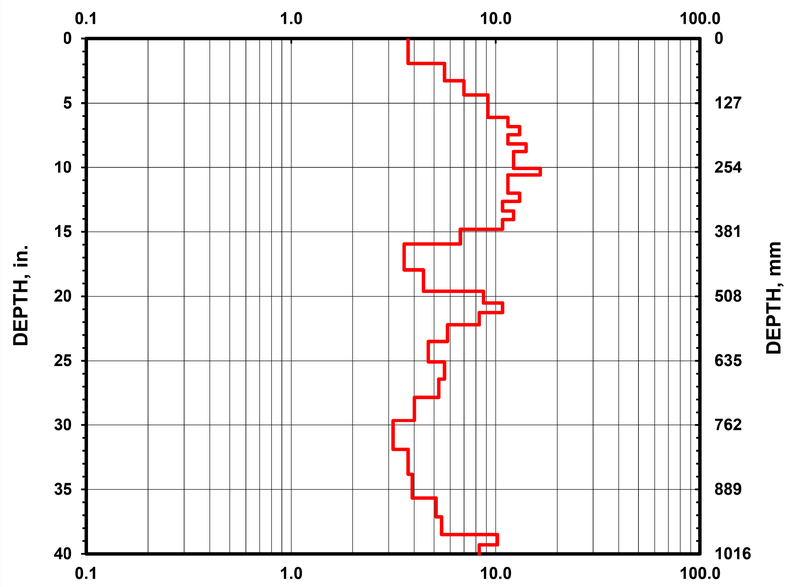
Project:	FAI-158-4.20	**PID:**	111621
Exploration ID:	D-002-1-21	**Date:**	10/26/2021
Elevation:	1023	**Surface Materials:**	Aggregate Berm, at EOP
Lat / Long:	39.768239, -82.617021	**Test Starting Depth (ft):**	0.0

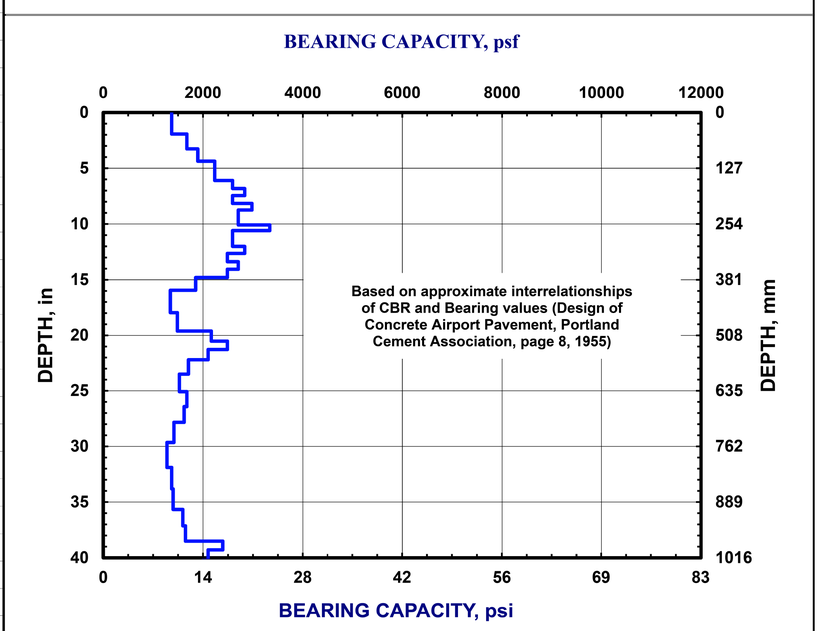
Hammer: ○ 10.1 lbs. ◉ 17.6 lbs. ○ Both hammers used

Office of Geotechnical Engineering
Geology, Exploration, and Laboratory Section
http://www.dot.state.oh.us/Divisions/Engineering/Geotechnical

Soil Type: ○ CH ○ CL ◉ All other soils

No. of Blows	Accumulative Penetration (mm)	Type of Hammer
0	0	1
1	49	1
1	83	1
1	111	1
1	133	1
1	155	1
1	173	1
1	189	1
1	207	1
1	222	1
1	239	1
1	256	1
1	269	1
1	287	1
1	305	1
1	321	1
1	340	1
1	357	1
1	376	1
1	405	1
1	456	1
1	498	1
1	521	1
1	540	1
1	564	1
1	597	1
1	637	1
1	671	1
1	707	1
1	753	1
1	810	1
1	859	1
1	906	1
1	943	1
1	978	1
1	998	1
1	1022	1
1	1048	1
1	1073	1
1	1087	1





NOTES: Lat/Long from OGE GPS unit utilizing the ODOT VRS Network. Elev from Consultant survey terrain.

DCP TEST DATA

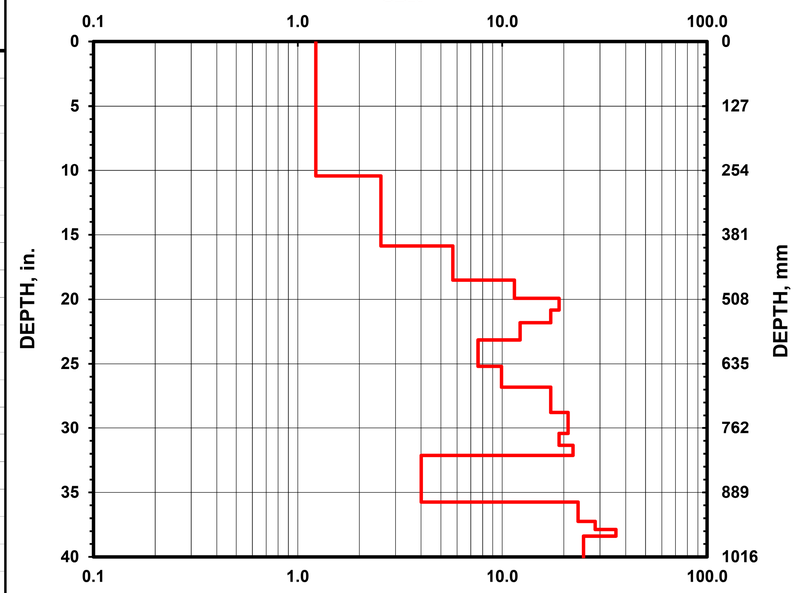
Project:	FAI-158-4.20	**PID:**	111621
Exploration ID:	D-003-0-21	**Date:**	10/26/2021
Elevation:	1016.7	**Surface Materials:**	Topsoil (8")
Lat / Long:	39.768802, -82.617047	**Test Starting Depth (ft):**	0.0

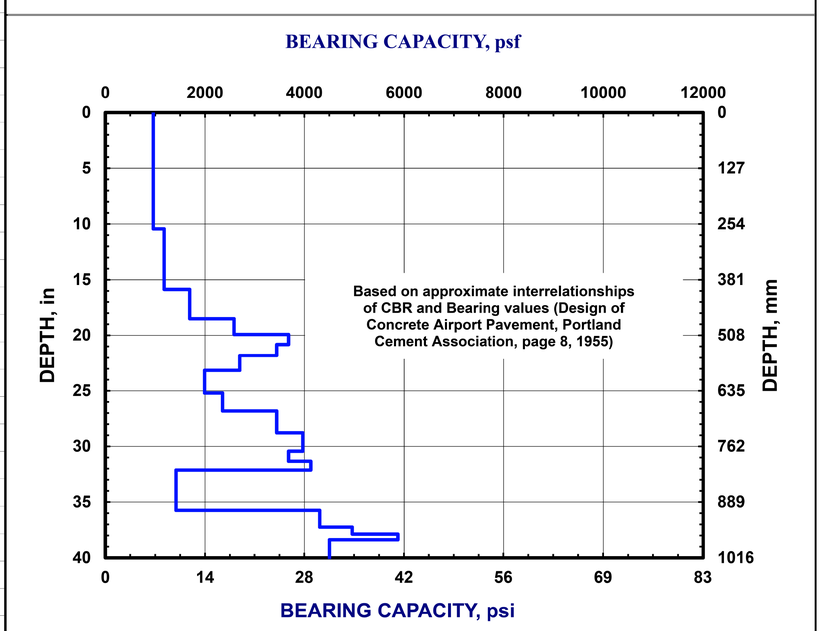
Hammer: ○ 10.1 lbs. ◉ 17.6 lbs. ○ Both hammers used

Office of Geotechnical Engineering
Geology, Exploration, and Laboratory Section
http://www.dot.state.oh.us/Divisions/Engineering/Geotechnical

Soil Type: ○ CH ○ CL ◉ All other soils

No. of Blows	Accumulative Penetration (mm)	Type of Hammer
0	0	1
2	265	1
2	403	1
2	470	1
2	506	1
2	529	1
2	554	1
2	588	1
2	640	1
2	681	1
2	706	1
2	731	1
2	752	1
2	773	1
2	796	1
2	816	1
2	908	1
2	927	1
2	946	1
2	962	1
2	975	1
2	993	1
2	1011	1
2	1029	1
2	1046	1
2	1061	1
2	1074	1
1	1082	1





NOTES: Lat/Long from OGE GPS unit utilizing the ODOT VRS Network. Elev from Consultant survey terrain.

GEOTECHNICAL PROFILE - ROADWAY
DCP SOUNDING LOGS D-002-1-21 & D-003-0-21

DESIGN AGENCY

DESIGNER ARR
REVIEWER AJC 02/23/24
PROJECT ID 111621
SUBSET 9 TOTAL 12
SHEET P.124 TOTAL 127

FAI-158-4.20

MODEL: D-002-0-21 and D-003-0-21 Sounding logs PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 9:04:12 AM USER: PatelV2
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\111621\402-Engineering_AECOM\Geotechnical\Sheets\111621_ID002.dgn

DCP TEST DATA

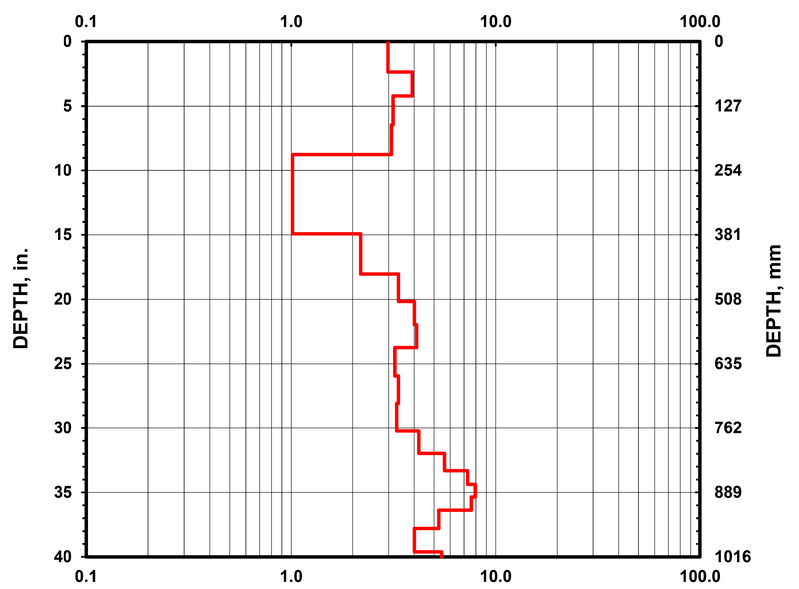
Project:	FAI-158-4.20	**PID:**	111621
Exploration ID:	D-003-1-21	**Date:**	10/26/2021
Elevation:	1018.8	**Surface Materials:**	Topsoil (4")
Lat / Long:	39.768774, -82.616823	**Test Starting Depth (ft):**	0.0

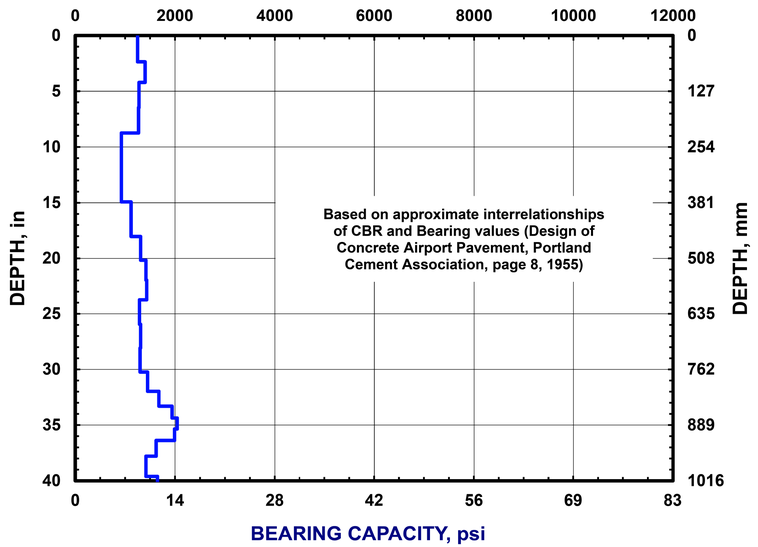
Hammer: ○ 10.1 lbs. ◉ 17.6 lbs. ○ Both hammers used

Office of Geotechnical Engineering
Geology, Exploration, and Laboratory Section
http://www.dot.state.oh.us/Divisions/Engineering/Geotechnical

Soil Type: ○ CH ○ CL ◉ All other soils

No. of Blows	Accumulative Penetration (mm)	Type of Hammer
0	0	1
1	60	1
1	107	1
1	164	1
1	222	1
1	379	1
1	458	1
1	512	1
1	558	1
1	603	1
1	659	1
1	713	1
1	768	1
1	812	1
1	846	1
1	873	1
1	898	1
1	924	1
1	960	1
1	1006	1
1	1041	1
1	1060	1
1	1078	1





NOTES: Lat/Long from OGE GPS unit utilizing the ODOT VRS Network. Elev from Consultant survey terrain.

DCP TEST DATA

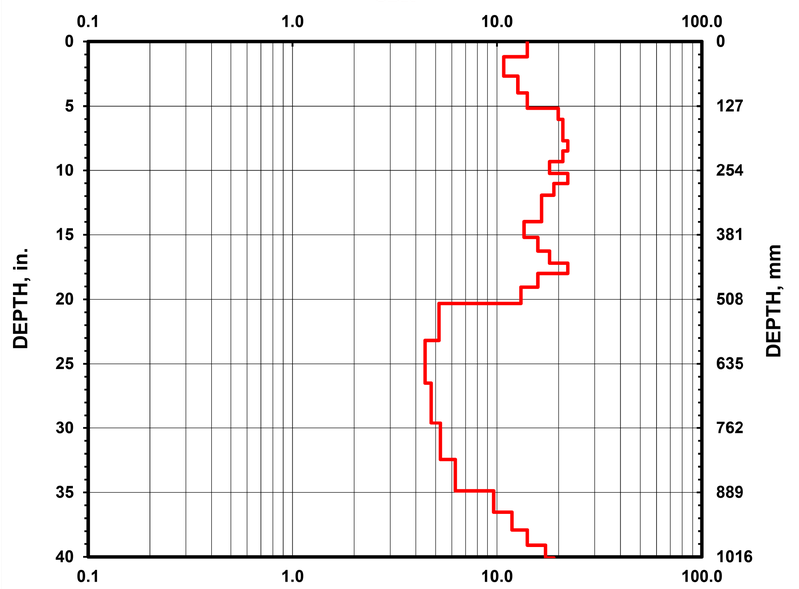
Project:	FAI-158-4.20	**PID:**	111621
Exploration ID:	D-005-1-21	**Date:**	10/26/2021
Elevation:	1021.2	**Surface Materials:**	Aggregate Berm, at EOP
Lat / Long:	39.768923, -82.617649	**Test Starting Depth (ft):**	0.0

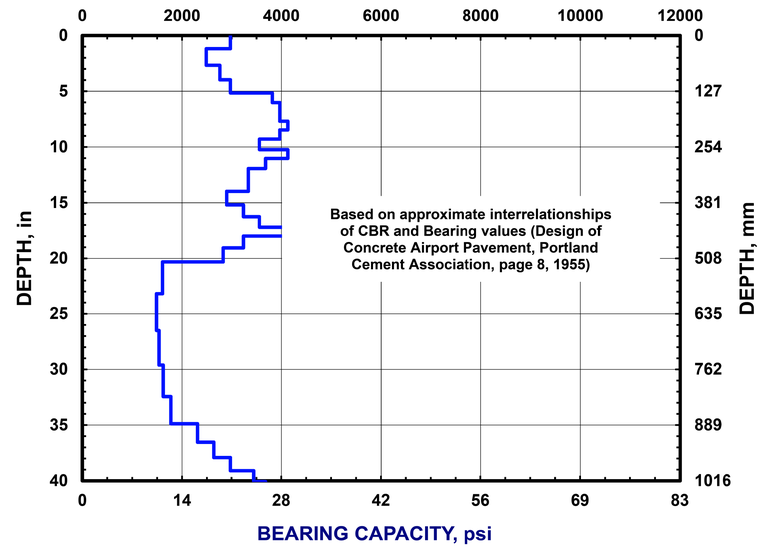
Hammer: ○ 10.1 lbs. ◉ 17.6 lbs. ○ Both hammers used

Office of Geotechnical Engineering
Geology, Exploration, and Laboratory Section
http://www.dot.state.oh.us/Divisions/Engineering/Geotechnical

Soil Type: ○ CH ○ CL ◉ All other soils

No. of Blows	Accumulative Penetration (mm)	Type of Hammer
0	0	1
2	30	1
2	68	1
2	101	1
2	131	1
2	153	1
2	174	1
2	195	1
2	215	1
2	236	1
2	260	1
2	280	1
2	303	1
2	329	1
2	355	1
2	386	1
2	413	1
2	437	1
2	457	1
2	484	1
2	516	1
2	589	1
2	673	1
2	752	1
2	824	1
2	886	1
2	928	1
2	963	1
2	993	1
2	1018	1
2	1041	1
2	1064	1
2	1086	1
2	1107	1
1	1118	1





NOTES: Lat/Long from OGE GPS unit utilizing the ODOT VRS Network. Elev from Consultant survey terrain.

GEOTECHNICAL PROFILE - ROADWAY
DCP SOUNDING LOGS D-003-1-21 & D-005-1-21

DESIGN AGENCY

DESIGNER ARR
REVIEWER AJC 02/23/24
PROJECT ID 111621
SUBSET 10 TOTAL 12
SHEET P.125 TOTAL 127

FAI-158-4.20

MODEL: D-003-1-21 and D-005-1-21 Sounding logs PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 9:05:40 AM USER: PatelV2
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\111621\402-Engineering_AECOM\Geotechnical\Sheets\111621_ID002.dgn

DCP TEST DATA

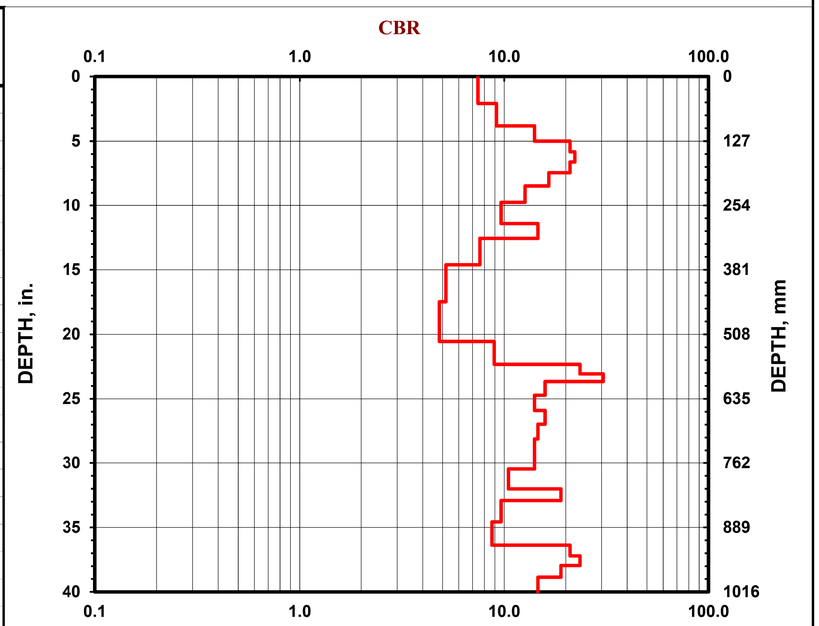
Project:	FAI-158-4.20	**PID:**	111621
Exploration ID:	D-006-1-21	**Date:**	10/26/2021
Elevation:	1010.6	**Surface Materials:**	Aggregate Berm, at EOP
Lat / Long:	39.768862, -82.615917	**Test Starting Depth (ft):**	0.0

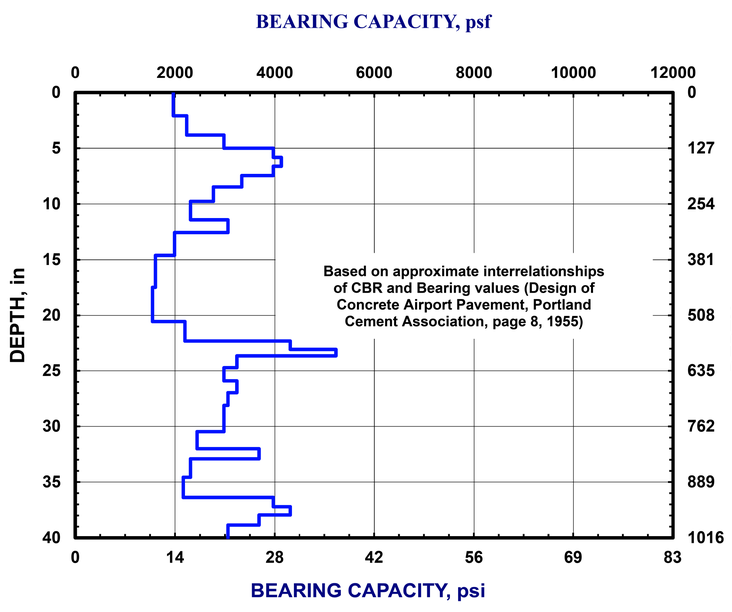
Hammer: ○ 10.1 lbs. ◉ 17.6 lbs. ○ Both hammers used

Office of Geotechnical Engineering
Geology, Exploration, and Laboratory Section
http://www.dot.state.oh.us/Divisions/Engineering/Geotechnical

Soil Type: ○ CH ○ CL ◉ All other soils

No. of Blows	Accumulative Penetration (mm)	Type of Hammer
0	0	1
2	53	1
2	97	1
2	127	1
2	148	1
2	168	1
2	189	1
2	215	1
2	248	1
2	290	1
2	319	1
2	371	1
2	444	1
2	522	1
2	567	1
2	586	1
2	601	1
2	628	1
2	658	1
2	685	1
2	714	1
2	744	1
2	774	1
2	813	1
2	836	1
2	878	1
2	924	1
2	945	1
2	964	1
2	987	1
2	1016	1
2	1045	1
2	1066	1
1	1084	1





NOTES: Lat/Long from OGE GPS unit utilizing the ODOT VRS Network. Elev from Consultant survey terrain.

DCP TEST DATA

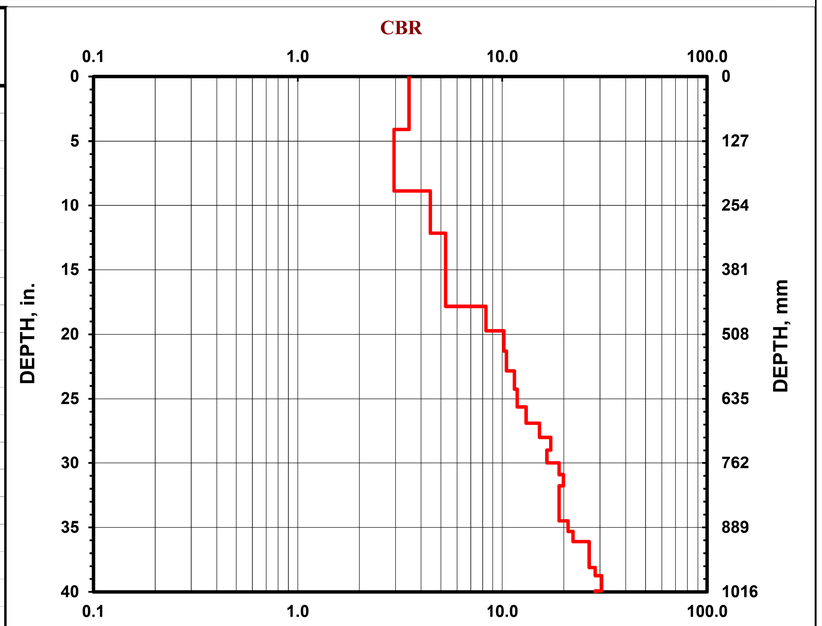
Project:	FAI-158-4.20	**PID:**	111621
Exploration ID:	D-008-0-21	**Date:**	10/26/2021
Elevation:	1016.6	**Surface Materials:**	Topsoil (8")
Lat / Long:	39.768995, -82.617012	**Test Starting Depth (ft):**	0.0

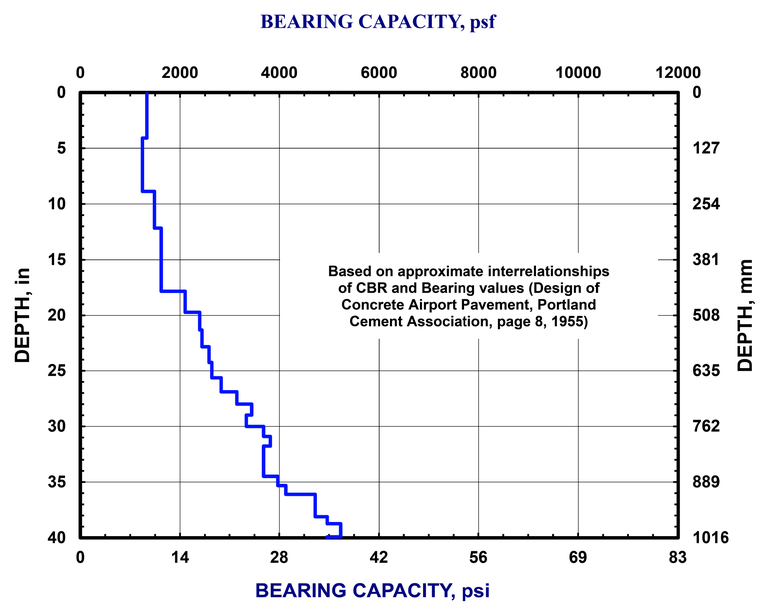
Hammer: ○ 10.1 lbs. ◉ 17.6 lbs. ○ Both hammers used

Office of Geotechnical Engineering
Geology, Exploration, and Laboratory Section
http://www.dot.state.oh.us/Divisions/Engineering/Geotechnical

Soil Type: ○ CH ○ CL ◉ All other soils

No. of Blows	Accumulative Penetration (mm)	Type of Hammer
0	0	1
2	104	1
2	225	1
2	309	1
2	381	1
2	453	1
2	501	1
2	541	1
2	580	1
2	616	1
2	651	1
2	683	1
2	711	1
2	736	1
2	762	1
2	785	1
2	807	1
2	830	1
2	853	1
2	876	1
2	897	1
2	917	1
2	934	1
2	951	1
2	968	1
2	984	1
2	999	1
2	1014	1
2	1030	1
2	1044	1
2	1060	1
2	1076	1
2	1091	1
2	1106	1
1	1112	1





NOTES: Lat/Long from OGE GPS unit utilizing the ODOT VRS Network. Elev from Consultant survey terrain.

GEOTECHNICAL PROFILE - ROADWAY
DCP SOUNDING LOGS D-006-1-21 & D-008-0-21

DESIGN AGENCY

DESIGNER ARR
REVIEWER AJC 02/23/24
PROJECT ID 111621
SUBSET 11 TOTAL 12
SHEET P.126 TOTAL 127

FAI-158-4.20

MODEL: D-006-1-21 and D-008-0-21 Sounding logs PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 9:07:04 AM USER: PatelV2
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\111621\02-Engineering_AECOM\Geotechnical\Sheets\111621_ID002.dgn

DCP TEST DATA

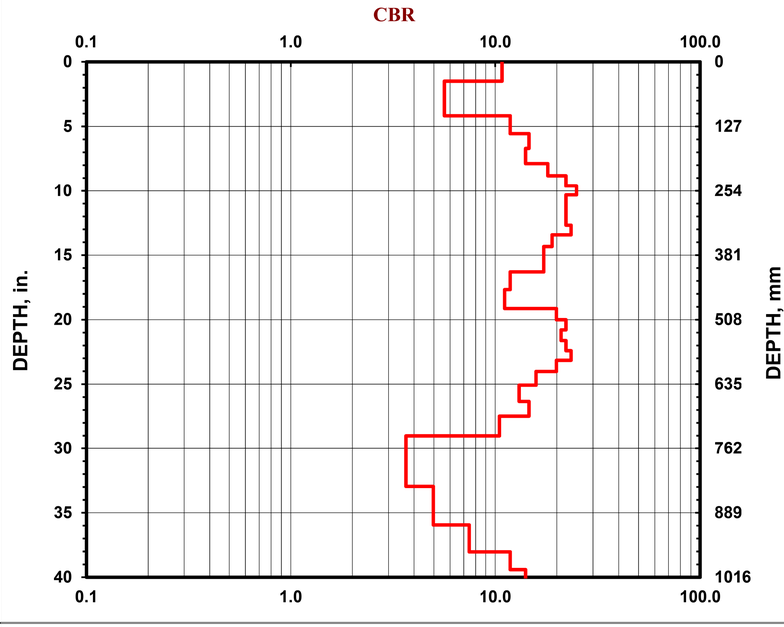
Project:	FAI-158-4.20	**PID:**	111621
Exploration ID:	D-009-1-21	**Date:**	10/26/2021
Elevation:	1019.4	**Surface Materials:**	Aggregate Berm, at EOP
Lat / Long:	39.769529, -82.616939	**Test Starting Depth (ft):**	0.0

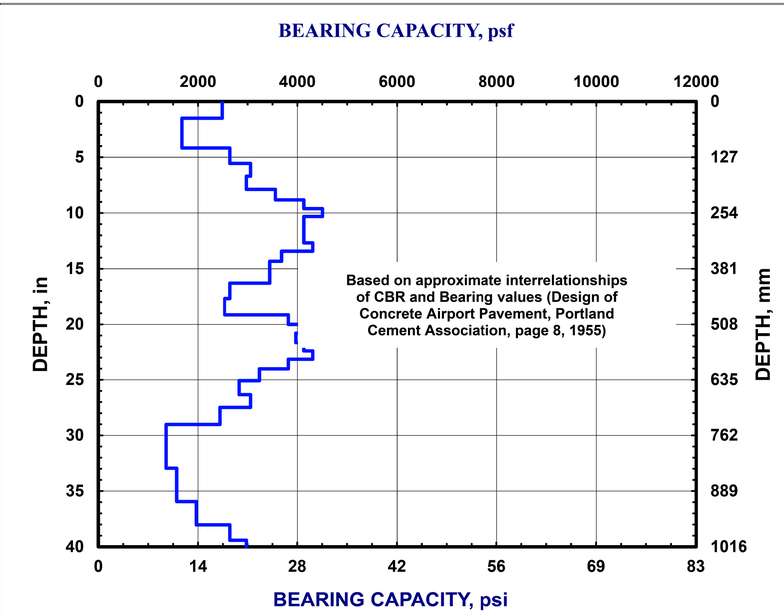
Hammer
- ○ 10.1 lbs.
- ◉ 17.6 lbs.
- ○ Both hammers used

Office of Geotechnical Engineering
Geology, Exploration, and Laboratory Section
http://www.dot.state.oh.us/Divisions/Engineering/Geotechnical

Soil Type
- ○ CH
- ○ CL
- ◉ All other soils

No. of Blows	Accumulative Penetration (mm)	Type of Hammer
0	0	1
2	38	1
2	106	1
2	141	1
2	170	1
2	200	1
2	224	1
2	244	1
2	262	1
2	282	1
2	302	1
2	322	1
2	341	1
2	364	1
2	389	1
2	414	1
2	449	1
2	486	1
2	508	1
2	528	1
2	549	1
2	569	1
2	588	1
2	610	1
2	637	1
2	669	1
2	698	1
2	737	1
2	837	1
2	913	1
2	966	1
2	1001	1
2	1031	1
2	1058	1
2	1082	1
1	1094	1
		1
		1
		1
		1
		1
		1
		1





NOTES: Lat/Long from OGE GPS unit utilizing the ODOT VRS Network. Elev from Consultant survey terrain.

GEOTECHNICAL PROFILE - ROADWAY
DCP SOUNDING LOG D-009-1-21

DESIGN AGENCY

DESIGNER	ARR
REVIEWER	AJC 02/23/24
PROJECT ID	111621
SUBSET / TOTAL	12 / 12
SHEET / TOTAL	P.127 / 127

FAI-158-4.20

MODEL: D-009-1-21 Sounding log PAPERSIZE: 34x22 (in.) DATE: 7/1/2025 TIME: 9:08:15 AM USER: PatelV2
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Fairfield\111621\02-Engineering_AECOM\Geotechnical\Sheets\111621_ID002.dgn