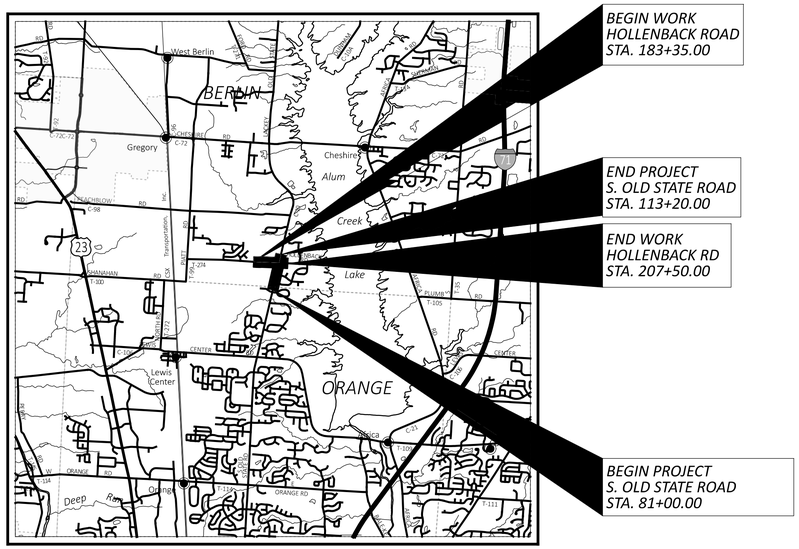
DELAWARE COUNTY ENGINEER'S OFFICE

DEL-CR10-5.60

BERLIN TOWNSHIP

DELAWARE COUNTY



LOCATION MAP

LATITUDE: 40°12'59"N LONGITUDE: 82°59'05"W

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

DESIGN DESIGNATION

	C.R. 10 S. OLD STATE ROAD	T.R 274 HOLLENBACK ROAD
CURRENT ADT (2022)	10700	1650
DESIGN YEAR ADT (2046)	22200	9300
DESIGN HOURLY VOLUME (2046)	960	330
DIRECTIONAL DISTRIBUTION	63%	63%
TRUCKS (24 HOUR B&C)	5%	5%
DESIGN SPEED	45 MPH	45 MPH
LEGAL SPEED	55 MPH	55 MPH

DESIGN FUNCTIONAL CLASSIFICATION:
C.R. 10: URBAN MAJOR ARTERIAL
T.R 274: URBAN MAJOR COLLECTOR

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:

HNTB
65 E. State Street, Suite 2100
Columbus, OH 43215-3581

ENGINEER'S SEAL:

STATE OF OHIO
NAIEL A. HUSSEIN
E-61026
REGISTERED PROFESSIONAL ENGINEER

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RIGHT-OF-WAY	RW.1 - RW.35 (NUMBERED SEPARATELY) TOTAL = 157 SHEETS

FEDERAL PROJECT NUMBER

NON-FEDERAL

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

THE DEL-CR10-5.60 PROJECT WILL CONSTRUCT A SIGNAL WITH LEFT AND RIGHT TURN LANES AT THE INTERSECTION OF SOUTH OLD STATE ROAD (C.R. 10) AND HOLLENBACK ROAD (T.R. 274), WIDEN SOUTH OLD STATE ROAD TO A 3-LANE SECTION BEGINNING AT AVONLEA WAY, AND WIDEN HOLLENBACK ROAD BEGINNING ABOUT 1/4 MILE WEST OF SOUTH OLD STATE ROAD. THE PROJECT WILL INCLUDE DRAINAGE SYSTEM ADJUSTMENTS, NEW INTERSECTION LIGHTING, AND TRAFFIC CONTROL ALONG THE CORRIDORS.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	8.64 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	1.75 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	10.39 ACRES

2023 SPECIFICATIONS

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

APPROVED _____

DATE _____ DELEWARE COUNTY ENGINEER

APPROVED _____

DATE _____ DELAWARE COUNTY CHIEF DEPUTY ENGINEER

ODOT STANDARD CONSTRUCTION DRAWINGS						DELAWARE COUNTY STANDARD CONSTRUCTION DRAWINGS				ODOT SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS	DELEWARE COUNTY SUPPLEMENTAL SPECIFICATIONS	
BP-1.1	7/28/00	HL-30.11	7/21/23	TC-83.20	7/21/23	R1100	1/04/10			800	7/21/23		1203	2/11/16
BP-2.1	1/21/22	HL-30.22	1/15/21	TC-85.20	4/21/23	R2185	1/23/18			821	4/20/12			
BP-2.2	1/15/21	HL-40.20	7/19/24	MH-1	7/15/22					839	7/16/21			
BP-3.1	1/21/22	I-3BB1	7/19/24	MT-95.50	7/21/17					874	4/17/20			
BP-4.1	7/19/13	I-3CC1	7/19/24	MT-95.60	4/19/19					875	1/18/19			
BP-5.1	7/15/22	I-3D	7/19/24	MT-95.61	4/19/19					921	4/20/12			
BP-7.1	7/21/23	TC-21.21	1/20/23	MT-96.11	7/21/23					939	1/17/20			
CB-1	7/21/23	TC-41.10	7/19/13	MT-96.20	7/21/23									
DM-1.1	1/20/23	TC-41.20	10/18/13	MT-96.26	1/18/19									
DM-1.2	7/21/23	TC-41.30	4/21/23	MT-97.10	4/19/19									
DM-2.1	7/21/23	TC-41.50	10/18/13	MT-101.60	4/21/23									
DM-4.3	1/15/21	TC-42.10	10/18/13	MT-101.70	7/19/24									
HL-10.11	7/21/23	TC-42.20	10/18/23	MT-101.75	7/21/23									
HL-10.12	1/21/23	TC-71.10	4/21/23	MT-101.90	7/17/20									
HL-10.13	1/20/23	TC-74.10	7/21/23	MT-120.00	7/19/24									
HL-20.11	7/21/23	TC-81.22	7/21/23	RM-1.1	7/21/23									

TITLE SHEET

DESIGN AGENCY
HNTB

DESIGNER HRR
REVIEWER KPP 09/17/23
PROJECT ID 1901
SHEET P.1 TOTAL P.157

DEL-CR10-5.60

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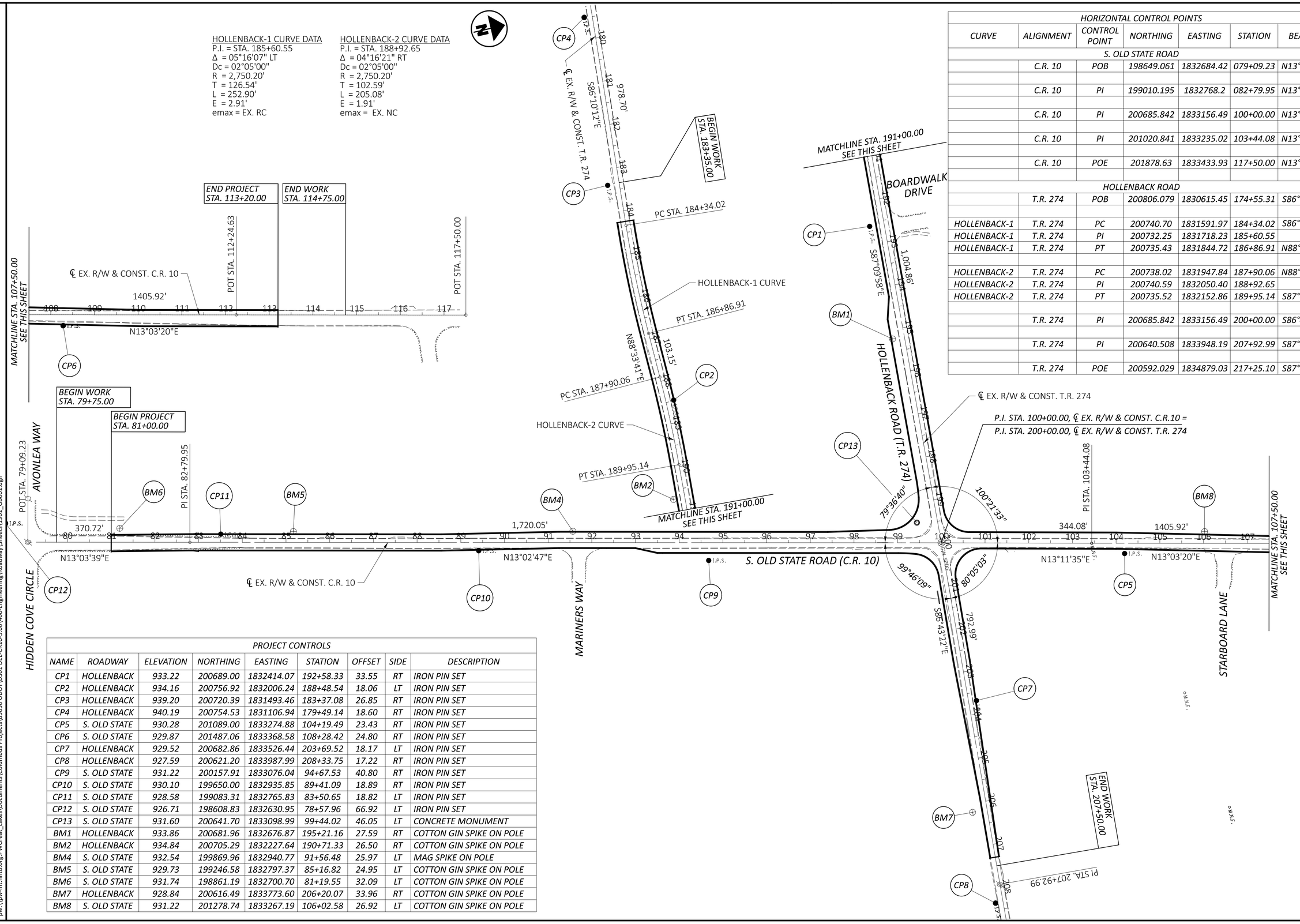

HORIZONTAL CONTROL POINTS						
CURVE	ALIGNMENT	CONTROL POINT	NORTHING	EASTING	STATION	BEARING
S. OLD STATE ROAD						
	C.R. 10	POB	198649.061	1832684.42	079+09.23	N13°03'39"E
	C.R. 10	PI	199010.195	1832768.2	082+79.95	N13°02'47"E
	C.R. 10	PI	200685.842	1833156.49	100+00.00	N13°11'35"E
	C.R. 10	PI	201020.841	1833235.02	103+44.08	N13°03'20"E
	C.R. 10	POE	201878.63	1833433.93	117+50.00	N13°03'20"E
HOLLENBACK ROAD						
	T.R. 274	POB	200806.079	1830615.45	174+55.31	S86°10'12"E
HOLLENBACK-1	T.R. 274	PC	200740.70	1831591.97	184+34.02	S86°10'12"E
HOLLENBACK-1	T.R. 274	PI	200732.25	1831718.23	185+60.55	
HOLLENBACK-1	T.R. 274	PT	200735.43	1831844.72	186+86.91	N88°33'41"E
HOLLENBACK-2	T.R. 274	PC	200738.02	1831947.84	187+90.06	N88°33'41"E
HOLLENBACK-2	T.R. 274	PI	200740.59	1832050.40	188+92.65	
HOLLENBACK-2	T.R. 274	PT	200735.52	1832152.86	189+95.14	S87°09'58"E
	T.R. 274	PI	200685.842	1833156.49	200+00.00	S86°43'22"E
	T.R. 274	PI	200640.508	1833948.19	207+92.99	S87°01'07"E
	T.R. 274	POE	200592.029	1834879.03	217+25.10	S87°01'07"E

PROJECT CONTROLS								
NAME	ROADWAY	ELEVATION	NORTHING	EASTING	STATION	OFFSET	SIDE	DESCRIPTION
CP1	HOLLENBACK	933.22	200689.00	1832414.07	192+58.33	33.55	RT	IRON PIN SET
CP2	HOLLENBACK	934.16	200756.92	1832006.24	188+48.54	18.06	LT	IRON PIN SET
CP3	HOLLENBACK	939.20	200720.39	1831493.46	183+37.08	26.85	RT	IRON PIN SET
CP4	HOLLENBACK	940.19	200754.53	1831106.94	179+49.14	18.60	RT	IRON PIN SET
CP5	S. OLD STATE	930.28	201089.00	1833274.88	104+19.49	23.43	RT	IRON PIN SET
CP6	S. OLD STATE	929.87	201487.06	1833368.58	108+28.42	24.80	RT	IRON PIN SET
CP7	HOLLENBACK	929.52	200682.86	1833526.44	203+69.52	18.17	LT	IRON PIN SET
CP8	HOLLENBACK	927.59	200621.20	1833987.99	208+33.75	17.22	RT	IRON PIN SET
CP9	S. OLD STATE	931.22	200157.91	1833076.04	94+67.53	40.80	RT	IRON PIN SET
CP10	S. OLD STATE	930.10	199650.00	1832935.85	89+41.09	18.89	RT	IRON PIN SET
CP11	S. OLD STATE	928.58	199083.31	1832765.83	83+50.65	18.82	LT	IRON PIN SET
CP12	S. OLD STATE	926.71	198608.83	1832630.95	78+57.96	66.92	LT	IRON PIN SET
CP13	S. OLD STATE	931.60	200641.70	1833098.99	99+44.02	46.05	LT	CONCRETE MONUMENT
BM1	HOLLENBACK	933.86	200681.96	1832676.87	195+21.16	27.59	RT	COTTON GIN SPIKE ON POLE
BM2	HOLLENBACK	934.84	200705.29	1832227.64	190+71.33	26.50	RT	COTTON GIN SPIKE ON POLE
BM4	S. OLD STATE	932.54	199869.96	1832940.77	91+56.48	25.97	LT	MAG SPIKE ON POLE
BM5	S. OLD STATE	929.73	199246.58	1832797.37	85+16.82	24.95	LT	COTTON GIN SPIKE ON POLE
BM6	S. OLD STATE	931.74	198861.19	1832700.70	81+19.55	32.09	LT	COTTON GIN SPIKE ON POLE
BM7	HOLLENBACK	928.84	200616.49	1833773.60	206+20.07	33.96	RT	COTTON GIN SPIKE ON POLE
BM8	S. OLD STATE	931.22	201278.74	1833267.19	106+02.58	26.92	LT	COTTON GIN SPIKE ON POLE

SCHEMATIC PLAN

DEL-CR10-5.60

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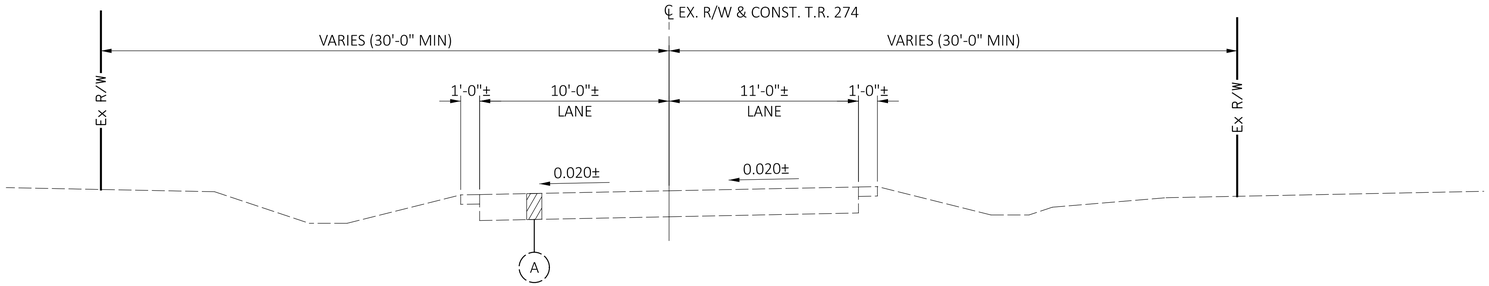
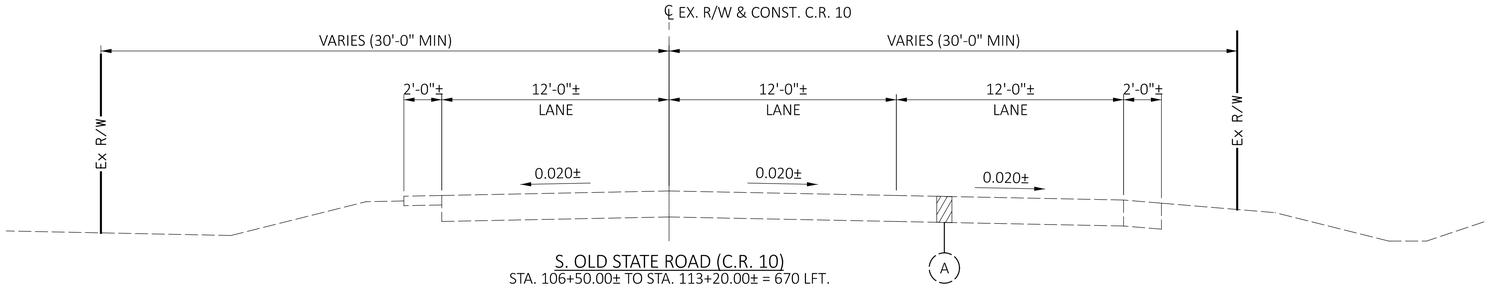
DESIGN AGENCY
HNTB

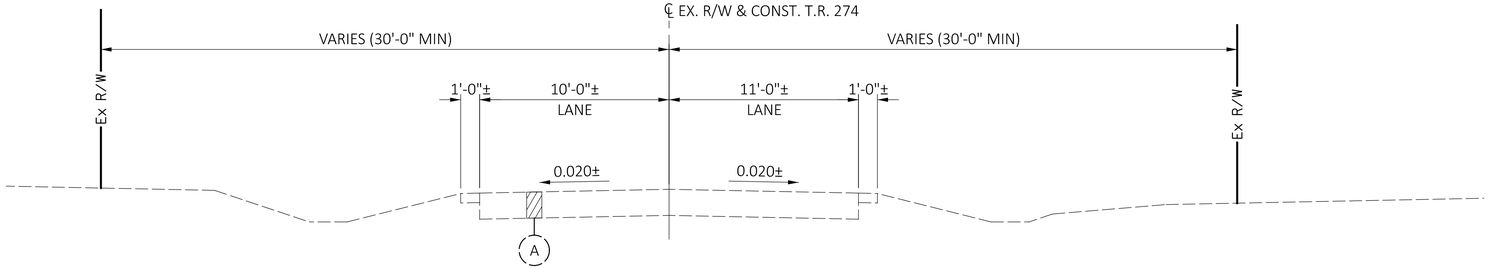
DESIGNER HRR
REVIEWER KKP 07/31/24
PROJECT ID 1901
SHEET P.2 TOTAL P.157



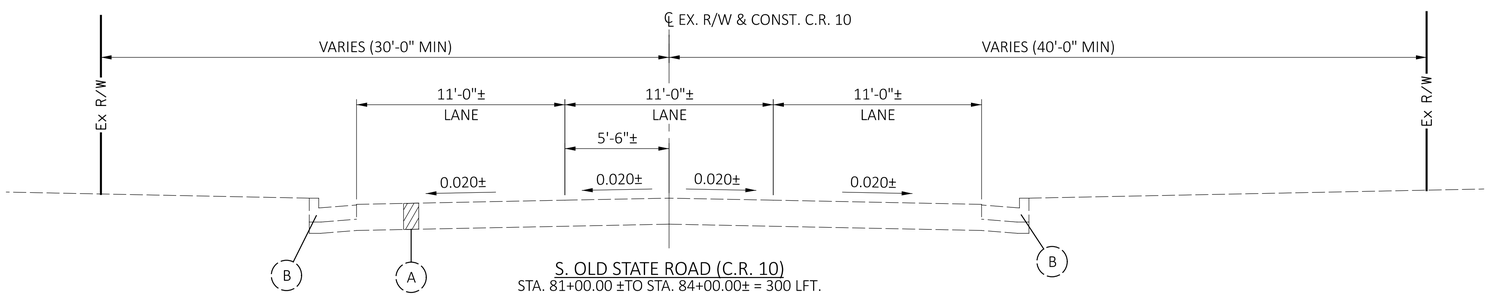
HOLLENBACK ROAD (T.R. 274)- SUPERELEVATION SECTION
STA. 184+00.00 ±TO STA. 188+00.00± = 400 LFT.



S. OLD STATE ROAD (C.R. 10)
STA. 106+50.00± TO STA. 113+20.00± = 670 LFT.



S. OLD STATE ROAD (C.R. 10)
STA. 84+00.00± TO STA. 106+50.00± = 2,250 LFT.
HOLLENBACK ROAD (T.R. 274)
STA. 180+74.00± TO STA. 184+00.00± = 326 LFT.
STA. 188+00.00 TO STA. 207+25.00 = 1,925 LFT.



S. OLD STATE ROAD (C.R. 10)
STA. 81+00.00 ±TO STA. 84+00.00± = 300 LFT.

EXISTING LEGEND

(A) EXISTING ASPHALT PAVEMENT

(B) EXISTING CURB & GUTTER

NOTE: R/W WIDTHS AND TYPES VARIES THROUGHOUT PROJECT.

TYPICAL SECTIONS
EXISTING

DESIGN AGENCY
HNTB

DESIGNER JAB
REVIEWER KKP 09/20/23
PROJECT ID 1901
SHEET P.3 TOTAL P.157

DEL-CR10-5.60

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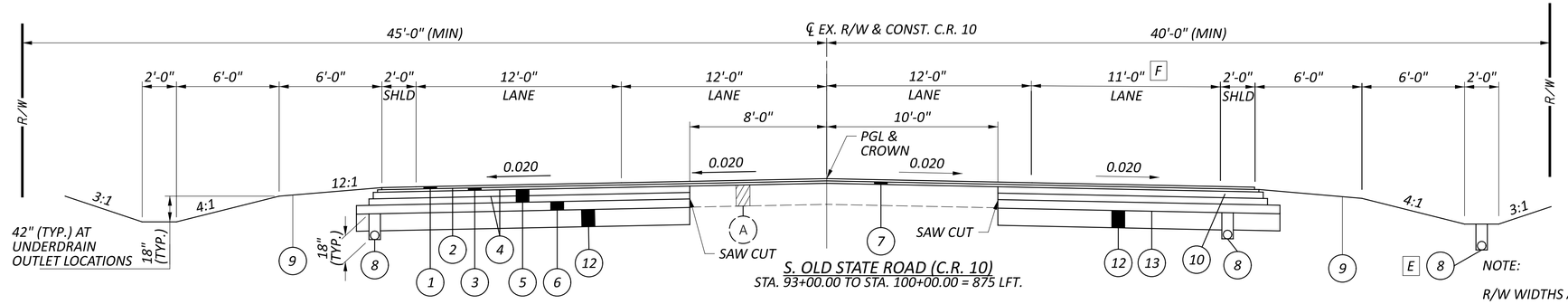
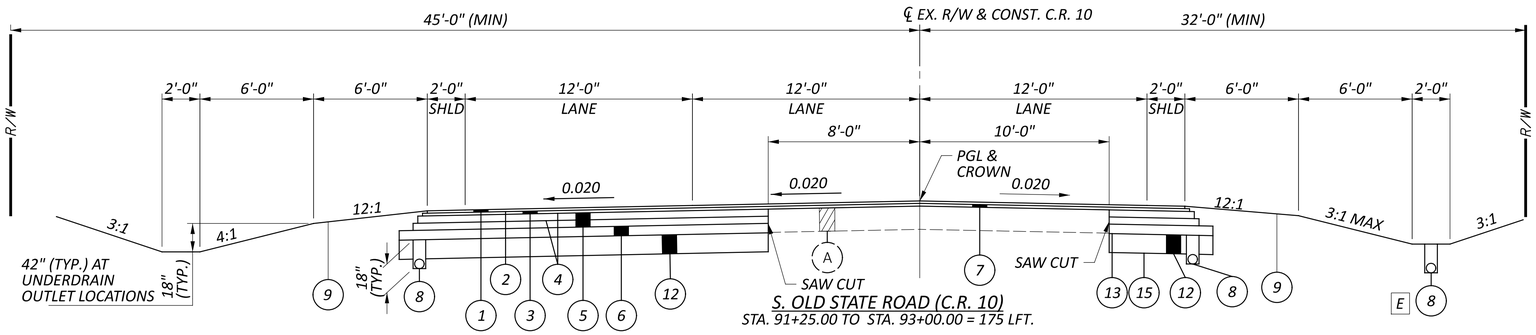
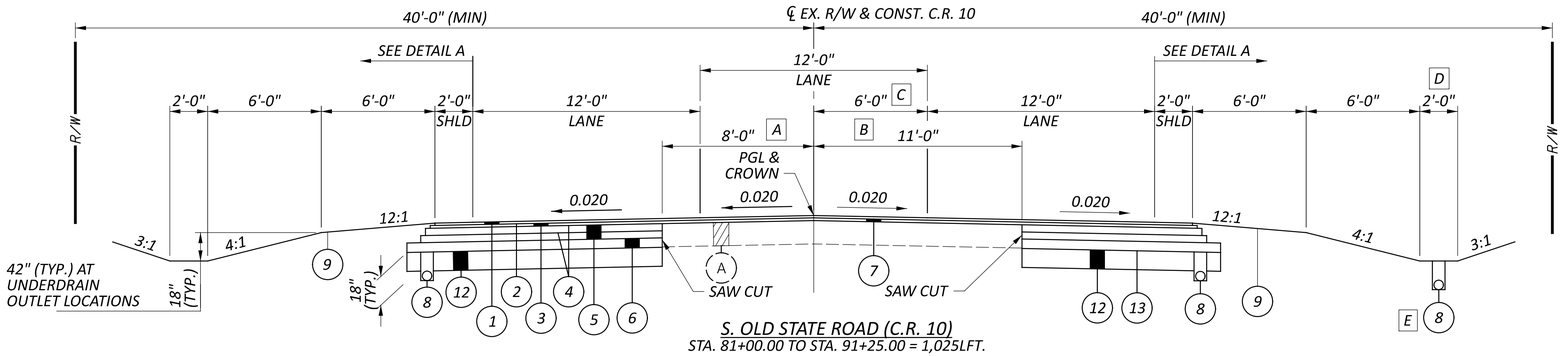
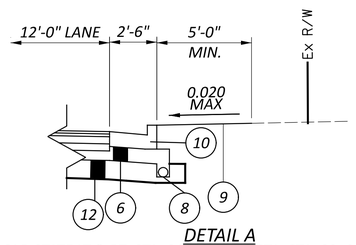


S. OLD STATE ROAD (C.R. 10)
STA. 93+00.00 TO STA. 100+00.00 = 875 LFT.



S. OLD STATE ROAD (C.R. 10)
STA. 91+25.00 TO STA. 93+00.00 = 175 LFT.





DETAIL A
S. OLD STATE LT & RT: STA. 81+00.00 TO STA. STA. 83+00.00 = 200 LFT.

NOTE:

R/W WIDTHS AND TYPES VARIES THROUGHOUT PROJECT.

SAW CUTS SHALL BE 1'-0" MIN. FROM THE EXISTING EDGE OF PAVEMENT.

SLOPE GRADE BREAK POINTS SHALL BE ROUNDED 4' UNLESS OTHERWISE NOTED.

SEE SHEET 6 FOR ADDITIONAL NOTES.

ITEM 301 - 9" ASPHALT CONCRETE BASE, PG 64-22, (449) IS PLACED IN TWO LIFTS

- A WIDTH VARIES FROM 14'-0" AT STA. 81+00.00 TO 8'-0" AT STA. 84+00.00.
- B WIDTH VARIES FROM 18'-0" AT STA. 81+00.00 TO 11'-0" AT STA. 84+00.00.
  WIDTH VARIES FROM 11'-0" FROM 88+55.00 TO 10'-0" AT STA. 91+25.00.
- C WIDTH VARIES FROM 6'-0" AT STA. 88+55.00 TO 0'-0" AT STA. 91+25.00.
- D WIDTH IS 6'-0" FROM STA 83+10.46 TO STA 89+63.00
- E DITCH UNDERDRAIN PRESENT FROM STA. 92+10.00 TO STA. 97+90.00
  DITCH UNDERDRAIN PRESENT FROM STA. 83+10.46 TO STA. 89+63.00
- F WIDTH VARIES FROM 0'-0" AT STA. 93+00.00 TO 11'-0" AT STA. 93+50.00.

EXISTING LEGEND

(A) EXISTING ASPHALT PAVEMENT

PROPOSED LEGEND

1. ITEM 441 - 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
2. ITEM 407 - NON-TRACKING TACK COAT (0.04 GAL/SY)
3. ITEM 441 - 1-3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449), PG64-22
4. ITEM 407 - TACK COAT (0.075 GAL/SY)
5. ITEM 301 - 9" ASPHALT CONCRETE BASE, PG64-22, (449)
6. ITEM 304 - 6" AGGREGATE BASE
7. ITEM 254 - 1-3/4" PAVEMENT PLANING, ASPHALT CONCRETE
8. ITEM 605 - 6" BASE PIPE UNDERDRAINS
9. ITEM 659 - SEEDING AND MULCHING
10. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
13. ITEM 204 - PROOF ROLLING
    ITEM 204 - SUBGRADE COMPACTION

WIDTHS > 8'

12. ITEM 206 - CEMENT
    ITEM 206 - CURING COAT
    ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
    ITEM 206 - MIXTURE DESIGN FOR CHEMICALLY STABILIZED SOILS

WIDTHS <= 8'

12. ITEM 204 - EXCAVATION OF SUBGRADE, 12 INCHES DEEP
    ITEM 204 - EMBANKMENT, AS PER PLAN, ITEM 304
    ITEM 204 - GEOGRID, AS PER PLAN

TYPICAL SECTIONS PROPOSED

DESIGN AGENCY
HNTB

DESIGNER JAB
REVIEWER KKP 09/20/23
PROJECT ID 1901
SHEET P.4 TOTAL P.157

DEL-CR10-5.60

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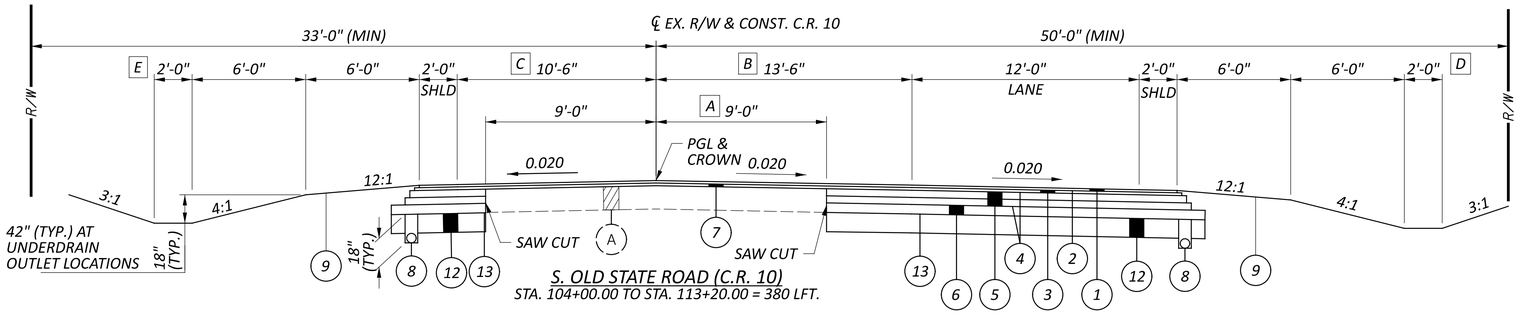

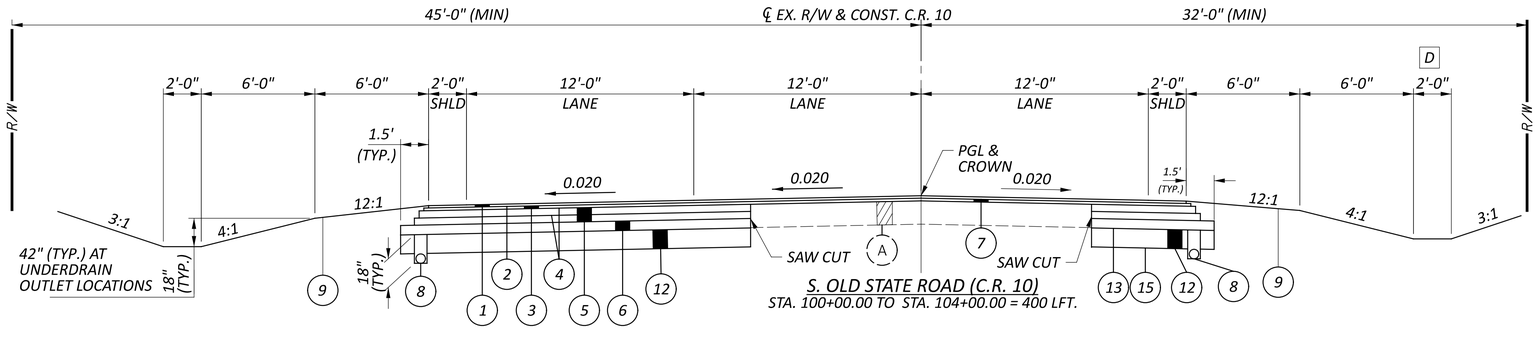

A WIDTH VARIES FROM 9'-0" AT STA. 106+60.00 TO 23'-0" AT STA. 113+20.00.

B WIDTH VARIES FROM 0'-0" AT STA. 104+00.00 TO 13'6" AT STA. 110+10.00.

C WIDTH VARIES FROM 24'-0" AT STA. 104+00.00 TO 10'6" AT STA. 110+10.00.

D WIDTH IS 4'-0" FROM STA. 103+70.00 TO STA. STA. 106+00.00

E WIDTH IS 7'-9" FROM STA. 108+20.00 TO STA. 110+50.00

NOTE:
R/W WIDTHS AND TYPES VARIES THROUGHOUT PROJECT.

SAW CUTS SHALL BE 1'-0" MIN. FROM THE EXISTING EDGE OF PAVEMENT.

SLOPE GRADE BREAK POINTS SHALL BE ROUNDED 4' UNLESS OTHERWISE NOTED.

SEE SHEET 6 FOR ADDITIONAL NOTES.

ITEM 301 - 9" ASPHALT CONCRETE BASE, PG 64-22, (449) IS PLACED IN TWO LIFTS

PROPOSED LEGEND

1. ITEM 441 - 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
2. ITEM 407 - NON-TRACKING TACK COAT (0.04 GAL/SY)
3. ITEM 441 - 1-3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449), PG64-22
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6. ITEM 304 - 6" AGGREGATE BASE
7. ITEM 254 - 1-3/4" PAVEMENT PLANING, ASPHALT CONCRETE
8. ITEM 605 - 6" BASE PIPE UNDERDRAINS, AS PER PLAN
9. ITEM 659 - SEEDING AND MULCHING
10. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
13. ITEM 204 - PROOF ROLLING
    ITEM 204 - SUBGRADE COMPACTION

WIDTHS > 8'

12. ITEM 206 - CEMENT
    ITEM 206 - CURING COAT
    ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
    ITEM 206 - MIXTURE DESIGN FOR CHEMICALLY STABILIZED SOILS

WIDTHS <= 8'

12. ITEM 204 - EXCAVATION OF SUBGRADE
    ITEM 204 - EMBANKMENT, AS PER PLAN, ITEM 304
    ITEM 204 - GEOGRID, AS PER PLAN

EXISTING LEGEND

A EXISTING ASPHALT PAVEMENT

TYPICAL SECTIONS PROPOSED

DEL-CR10-5.60

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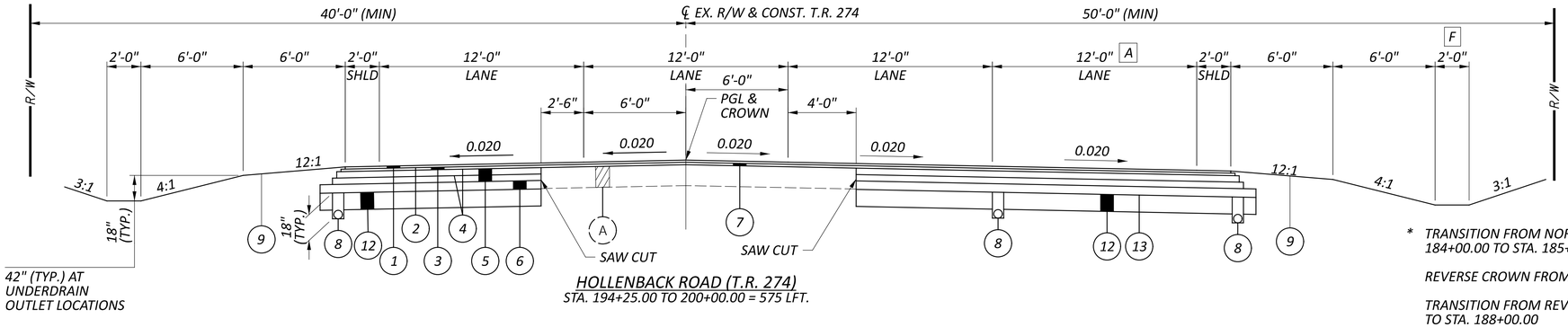
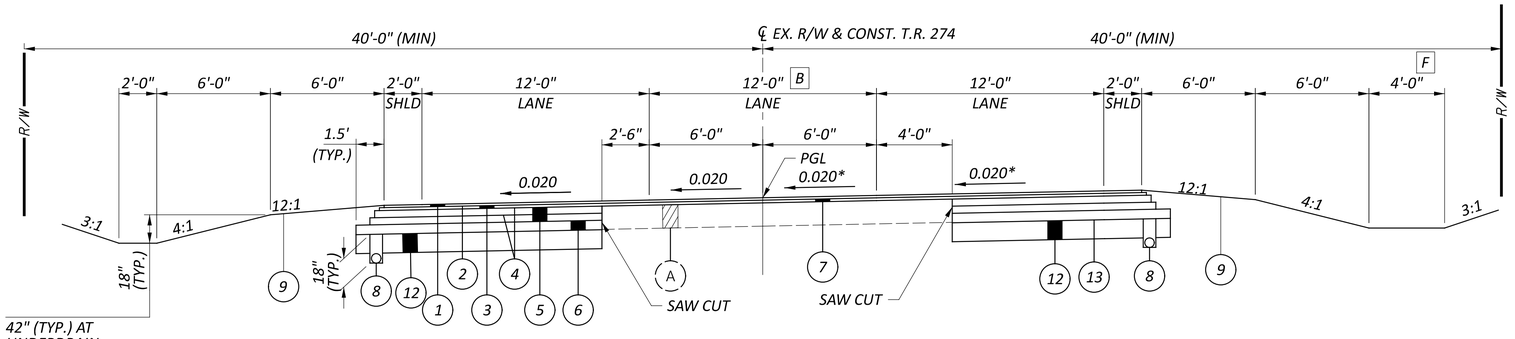
DESIGN AGENCY
HNTB

DESIGNER ASEP
REVIEWER KKP 09/20/23
PROJECT ID 1901
SHEET P.5 TOTAL P.157



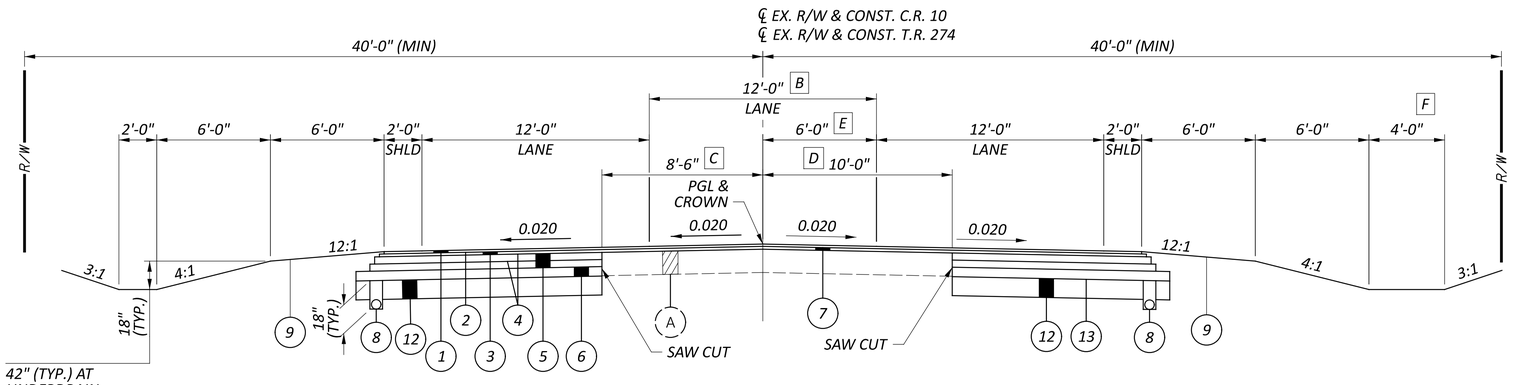
HOLLENBACK ROAD (T.R. 274)

STA. 194+25.00 TO 200+00.00 = 575 LFT.



HOLLENBACK ROAD (T.R. 274) - SUPERELEVATION SECTION

STA. 184+00.00 TO STA. 188+00.00 = 400 LFT.



HOLLENBACK ROAD (T.R. 274)

STA. 188+00.00 TO STA. 194+25.00 = 375 LFT.

STA. 200+00.00 TO STA. 207+25.00 = 725 LFT.

* TRANSITION FROM NORMAL CROWN TO REVERSE CROWN FROM STA. 184+00.00 TO STA. 185+50.00

REVERSE CROWN FROM STA. 185+50.00 TO STA. 186+50.00

TRANSITION FROM REVERSE CROWN TO NORMAL CROWN FROM 186+50.00 TO STA. 188+00.00

A WIDTH VARIES FROM 0'-0" AT STA. 194+25.00 TO 12'-0" AT STA. 194+75.00.

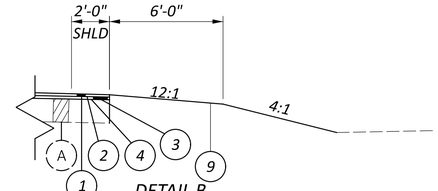
B WIDTH VARIES FROM 0'-0" AT STA. 180+74.00 TO 12'-0" AT STA. 184+34.02 (P.C.).
WIDTH VARIES FROM 12'-0" AT STA. 202+75.00 TO 0'-0" AT STA. 207+25.00.

C WIDTH VARIES FROM 14'-0" AT STA. 81+00.00 TO 8'-0" AT STA. 84+00.00.
WIDTH IS 8'-0" FROM STA. 84+00.00 TO STA. 91+25.00.
WIDTH IS 7'-0" FROM STA. 200+75.00 TO STA. 207+25.00.

D WIDTH VARIES FROM 0'-0" AT STA. 180+74.00 TO 12'-0" AT STA. 184+34.02 (P.C.).
WIDTH VARIES FROM 12'-0" AT STA. 202+75.00 TO 0'-0" AT STA. 207+25.00.

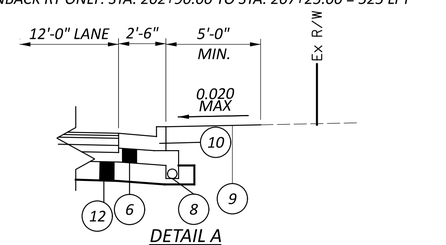
E WIDTH VARIES FROM 6'-0" AT STA. 88+55.00 TO 0'-0" AT STA. 91+25.00.

F WIDTH IS 7'-0" FROM STA 187+60.00 TO STA 195+50.00



DETAIL B

HOLLENBACK RT ONLY: STA. 202+90.00 TO STA. 207+25.00 = 525 LFT



DETAIL A

HOLLENBACK RT ONLY: STA. 200+75.00 TO STA. 202+75.00 = 200 LFT.

NOTE:
R/W WIDTHS AND TYPES VARIES THROUGHOUT PROJECT.

SAW CUTS SHALL BE 1'-0" MIN. FROM THE EXISTING EDGE OF PAVEMENT.

SLOPE GRADE BREAK POINTS SHALL BE ROUNDED 4' UNLESS OTHERWISE NOTED.

SEE SHEET 6 FOR ADDITIONAL NOTES.

ITEM 301 - 9" ASPHALT CONCRETE BASE, PG 64-22, (449) IS PLACED IN TWO LIFTS

EXISTING LEGEND

(A) EXISTING ASPHALT PAVEMENT

PROPOSED LEGEND

1. ITEM 441 - 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
2. ITEM 407 - NON-TRACKING TACK COAT (0.04 GAL/SY)
3. ITEM 441 - 1-3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449), PG64-22
4. ITEM 407 - TACK COAT (0.075 GAL/SY)
5. ITEM 301 - 9" ASPHALT CONCRETE BASE, PG64-22, (449)
6. ITEM 304 - 6" AGGREGATE BASE
7. ITEM 254 - 1-3/4" PAVEMENT PLANING, ASPHALT CONCRETE
8. ITEM 605 - 6" BASE PIPE UNDERDRAINS
9. ITEM 659 - SEEDING AND MULCHING
10. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
13. ITEM 204 - PROOF ROLLING
    ITEM 204 - SUBGRADE COMPACTION

WIDTHS > 8'

12. ITEM 206 - CEMENT
    ITEM 206 - CURING COAT
    ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
    ITEM 206 - MIXTURE DESIGN FOR CHEMICALLY STABILIZED SOILS

WIDTHS <= 8'

12. ITEM 204 - EXCAVATION OF SUBGRADE, 12 INCHES DEEP
    ITEM 204 - EMBANKMENT, AS PER PLAN, ITEM 304
    ITEM 204 - GEOGRID, AS PER PLAN

TYPICAL SECTIONS PROPOSED

DESIGN AGENCY HNTB

DESIGNER JAB

REVIEWER KKP 09/20/23

PROJECT ID 1901

SHEET P.6 TOTAL P.157

DEL-CR10-5.60

MODEL: Typicals - Plan 4 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:08:49 AM USER: asingleton
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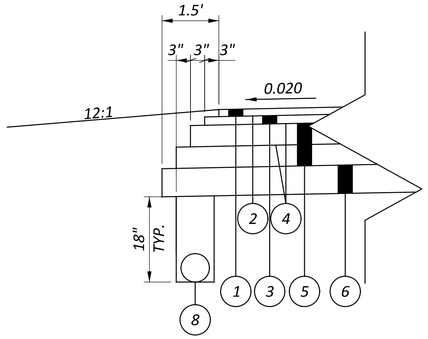
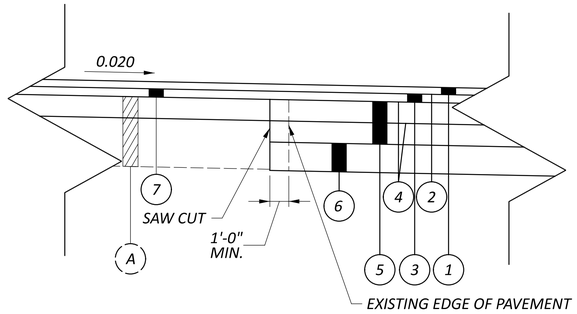


EDGE COURSE DETAIL



PAVEMENT JOINT DETAIL

NOTE:

IN ADDITION TO ITEM 3 (1-3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449), ITEM 441) AN ADDITIONAL LEVELING COURSE IS REQUIRED WHERE NECESSARY. THE ASPHALT LEVELING COURSE SHALL USE ITEM 441 INTERMEDIATE COURSE MATERIAL AND SHALL BE PLACED AT A MINIMUM DEPTH OF 1-1/2 INCHES. A SINGLE LIFT SHALL NOT EXCEED 3-INCHES. PAYMENT FOR THIS ITEM SHALL BE MADE UNDER ITEM 441, ASPHALT CONCRETE INTERMEDIATE LEVELING COURSE AND SHALL BE A SEPARATE PAY ITEM FROM THAT USED FOR ITEM 3 IN THE LEGEND, ASPHALT CONCRETE INTERMEDIATE COURSE.

ITEM 301 - 9" ASPHALT CONCRETE BASE, PG 64-22, (449) IS PLACED IN TWO LIFTS

EXISTING LEGEND

(A) EXISTING ASPHALT PAVEMENT

PROPOSED LEGEND

(1) ITEM 441 - 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
(2) ITEM 407 - NON-TRACKING TACK COAT (0.04 GAL/SY)
(3) ITEM 441 - 1-3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449), PG64-22
(4) ITEM 407 - TACK COAT (0.075 GAL/SY)
(5) ITEM 301 - 9" ASPHALT CONCRETE BASE, PG64-22, (449)
(6) ITEM 304 - 6" AGGREGATE BASE
(7) ITEM 254 - 1-3/4" PAVEMENT PLANING, ASPHALT CONCRETE
(8) ITEM 605 - 6" BASE PIPE UNDERDRAINS
(9) ITEM 659 - SEEDING AND MULCHING
(10) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
(13) ITEM 204 - PROOF ROLLING
ITEM 204 - SUBGRADE COMPACTION

WIDTHS > 8'

(12) ITEM 206 - CEMENT
ITEM 206 - CURING COAT
ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP
ITEM 206 - MIXTURE DESIGN FOR CHEMICALLY STABILIZED SOILS

WIDTHS <= 8'

(12) ITEM 204 - EXCAVATION OF SUBGRADE, 12 INCHES DEEP
ITEM 204 - EMBANKMENT, AS PER PLAN, ITEM 304
ITEM 204 - GEOGRID, AS PER PLAN

TYPICAL SECTIONS
PROPOSED

DESIGN AGENCY
HNTB

DESIGNER JAB
REVIEWER KKP 09/22/23
PROJECT ID 1901
SHEET P.7 TOTAL P.157

DEL-CR10-5.60

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GENERAL

ROUNDING

4-FOOT ROUNDING AT SLOPE BREAKPOINTS APPLIES TO ALL TYPICAL SECTIONS AND CROSS SECTIONS.

UTILITIES

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

AMERICAN ELECTRIC POWER
700 MORRISON ROAD
GAHANNA, OH 43230
ATTN: MR. PAUL PAXTON
PHONE: (614) 883-6831
EMAIL: PTPAXTON@AEP.COM

DEL-CO WATER
6658 OLENTANGY RIVER ROAD
DELAWARE, OH 43015
ATTN: ANDREW COY
PHONE: (740) 548-7746 x2410
EMAIL: ACOY@DELCOWATER.COM

SUBURBAN NATURAL GAS
2626 LEWIS CENTER ROAD,
LEWIS CENTER, OH, 43035
ATTN: RYAN FISH
PHONE: (740) 528-2450
EMAIL: RFISH@SNGCO.COM

FRONTIER TELEPHONE
ATTN: ROB LATHAM
PHONE: (937) 382-2222
EMAIL: ROBIN.LATHAM@FTR.COM
ATTN: CHRIS AVERY
PHONE: (740) 383-0551
EMAIL: IRA.AVERY@FTR.COM

ATLANTIC BROADBAND
EMAIL: DL_CMHFR@ATLANTICBB.COM
EMAIL: JBORRESON@BREEZELINE.COM

CHARTER COMMUNICATIONS
3760 INTERCHANGE ROAD
COLUMBUS, OH 43204
ATTN: MR. JEFFERY WHATLEY
PHONE: (614) 255-0855
EMAIL: JEFFERY.WHATLEY1
@CHARTER.COM
ATTN: MR. WARREN "MIKE" BATH
PHONE: (614) 827-7974
EMAIL: WARREN.BATH
@CHARTER.COM

DEL-CO SEWER
50 CHANNING STREET
DELAWARE, OH 43015
ATTN: DAVID SETZER
PHONE: (740) 833-2240
EMAIL: DSETZER
@CO.DELAWARE.OH.US

EVERSTREAM FIBER
ATTN: SCOTT LANCIA
PHONE: (380) 204-5465
EMAIL: SLANCIA@EVERSTREAM.NET
EMAIL: SSALAH@EVERSTREAM.NET
EMAIL: KKHAY@EVERSHTREAM.NET

CENTURY LINK
ATTN: HALEY WOOD
EMAIL: HALEY.WOOD@LUMEN.COM
EMAIL: RELOCATIONS@LUMEN.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.

EXISTING PLANS

EXISTING PLANS FOR THE PROJECT MAY BE INSPECTED IN THE DELAWARE COUNTY ENGINEER'S OFFICE AT 1610 STATE ROUTE 521, DELAWARE, OHIO 43015.

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 7PM AND 7AM. 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.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON DELAWARE COUNTY PROJECTS. SEE SHEET 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:	OPUS SOLUTION
MONUMENT TYPE:	TYPE B
VERTICAL POSITIONING	
ORTHOMETRIC HEIGHT DATUM:	NAVD 1988
GEOID:	2012B
HORIZONTAL POSITIONING	
REFERENCE FRAME:	NAD83 (2011)
ELLIPSOID:	GRS80
MAP PROJECTION:	LAMBERT CONFORMAL CONIC 2 STANDARD PARALLEL
COORDINATE SYSTEM:	OHIO STATE PLANE CO-ORDINATE SYSTEM OF 1983, NORTH ZONE
COMBINED SCALE FACTOR:	1.000000000
ORIGIN OF COORDINATE SYSTEM:	199310.06795, 1827555. 29038, 929.6635

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.

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.

LEGEND

RBO - RELOCATED BY OTHERS
TBR - TO BE REMOVED
ABO - ADJUSTED BY OTHERS
DND - DO NOT DISTURB

CLEARING AND GRUBBING

THE DELAWARE COUNTY ENGINEER'S OFFICE HAS NOT MARKED INDIVIDUAL TREES AND STUMPS FOR REMOVAL. UNLESS SPECIFICALLY DESIGNATED AS "DO NOT DISTURB" IN THE PLANS, REMOVE ALL TREES AND STUMPS WITHIN THE RIGHT-OF-WAY UNDER THE LUMP SUM BID FOR ITEM 201 CLEARING AND GRUBBING.

MONUMENT ASSEMBLIES

CONSTRUCT MONUMENT ASSEMBLIES IN ACCORDANCE WITH THE DETAILS SHOWN ON THE STANDARD CONSTRUCTION DRAWINGS AND AT THE LOCATIONS SHOWN ON SHEET NO. 2.

ITEM 204 - PROOF ROLLING

THE FOLLOWING QUANTITY CAN BE FOUND IN THE PAVEMENT SUBSUMMARY. SEE SHEET P.37 FOR DETAILS.

EXCAVATION AND EMBANKMENT CONSTRUCTION

EXCAVATED SOILS ON THE PROJECT SITE MAY NOT BE SUITABLE FOR EMBANKMENT USE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ANY ON-SITE SOIL USED AS EMBANKMENT MEETS THE REQUIREMENTS OF 203.

ITEM 203, EXCAVATION, INCLUDES WASTING ANY EXCAVATED MATERIAL WITHIN THE RIGHT-OF-WAY WITH THE APPROVAL OF THE ENGINEER OR OUTSIDE THE RIGHT-OF-WAY AT THE CONTRACTOR'S EXPENSE, IF NO SUITABLE AREAS EXIST FOR WASTING WITHIN THE RIGHT-OF-WAY.

ITEM 203, EMBANKMENT INCLUDES CONSTRUCTING EMBANKMENTS TO PLAN LINES AND INCLUDES FURNISHING AND PLACING SUITABLE BORROW MATERIAL AS SPECIFIED IN 203, WHEN REQUIRED. FOR SOIL BORROW OR OTHER MATERIALS NOT ALREADY CERTIFIED TO MEET 203 REQUIREMENTS, THE CONTRACTOR SHALL ALLOW THE ENGINEER 10 DAYS TO PERFORM IN SITU TESTS PRIOR TO USING THE MATERIAL.

PRIOR TO EARTH DISTURBING ACTIVITIES, INSTALL ALL EROSION CONTROL ITEMS AS SPECIFIED ON THE STORMWATER POLLUTION PREVENTION PLAN PREPARED BY THE CONTRACTOR. FOR EARTH DISTURBING WORK OUTSIDE THE WORK LIMITS, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ACQUIRING ALL NECESSARY PERMITS, IF REQUIRED, INCLUDING FOR BORROW AREAS. PROVIDE THE APPROPRIATE EROSION CONTROL MEASURES AS REQUIRED.

UNSUITABLE SUBGRADE SOILS

AFTER CEMENT STABILIZATION IS COMPLETE, IF UNSUITABLE SUBGRADE SOILS ARE ENCOUNTERED IN THE AREAS OF THE PROPOSED ROADBED, REMOVE AND REPLACE WITH SUITABLE MATERIAL MEETING THE REQUIREMENTS OF 203.02.R., OR WHEN REQUIRED BY THE ENGINEER, USE GRANULAR MATERIAL MEETING THE SPECIFICATIONS OF 703.16.C TYPE B GRANULAR MATERIAL (304, 411 OR 617 MATERIALS WITH 0 TO 20 PERCENT PASSING THE NO. 200 SIEVE). THE LIMITS OF THE MATERIAL TO BE REMOVED AND REPLACED SHALL BE AS DETERMINED BY THE ENGINEER.

PRIOR TO PLACING FILL, THE CONTRACTOR SHALL CROSS SECTION THE EXCAVATED AREAS AND DETERMINE THE VOLUME. THIS AREA CALCULATION SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTING EMBANKMENTS. MEASUREMENT SHALL BE MADE USING THE AVERAGE END AREA METHOD. IN SMALL OR IRREGULARLY SHAPED AREAS, MEASUREMENT MAY BE MADE BY WEIGHT WHEN APPROVED BY THE ENGINEER.

THE FOLLOWING QUANTITIES ARE PROVIDED FOR USE AS DIRECTED BY THE ENGINEER FOR USE IN THE WORK NOTED ABOVE:

ITEM 204, EXCAVATION OF SUBGRADE	2500 CY
ITEM 204, EMBANKMENT, AS PER PLAN, ITEM 304	1000 CY
ITEM 204, GRANULAR MATERIAL, TYPE B	2500 CY
ITEM 204, GEOTEXTILE FABRIC, AS PER PLAN, TYPE D	500 SY
ITEM 204, GEOGRID, AS PER PLAN	1500 SY

ITEM 204-GEOGRID, AS PER PLAN

PROVIDE BIAXIAL GEOGRID REINFORCEMENT MATERIAL AS DIRECTED BY THE ENGINEER AT LOCATIONS SPECIFIED. THIS ITEM IS INTENDED FOR STRENGTHENING WEAK OR POORLY DRAINED EXISTING SOILS UNDER PLANNED EMBANKMENTS OR SUBGRADE.

GEOGRIDS SHALL NOT BE PLACED ON SOILS WHICH ARE EXPOSED TO LIME OR OTHER CHEMICALS. GEOGRIDS SHALL BE COVERED WITH A MINIMUM OF 6" OF 304, 411 OR 617 MATERIALS UNLESS DIRECTED OTHERWISE BY THE ENGINEER. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR THE INSTALLATION OF THE MATERIAL.

MATERIAL SHALL BE MANUFACTURED FROM POLYETHELENE, POLYPROPOLENE, OR POLYESTER, AND MEETING THE FOLLOWING PROPERTIES:

MINIMUM APERTURE DIMENSIONS = 0.50 IN. X 0.50 IN.

MAXIMUM APERTURE AREA = 1.25 SQ. IN.

PERCENT OPEN AREA = 50% TO 85%

MASS PER UNIT AREA - 6.0 TO 15.0 OZ. / SQ.YD. (ASTM D 5261)

MINIMUM ULTIMATE TENSILE STRENGTH (T ULT) - 2000 X 1300 LB. / FT. (ASTM D 6637)

MINIMUM TENSILE STRENGTH AT 2% STRAIN - 600 X 400 LB. / FT. (ASTM D 6637)

REDUCTION IN REQUIRED ULTIMATE STRENGTH AFTER 500 HOURS UV EXPOSURE - NONE (ASTM D 4355)

PAYMENT SHALL BE BASED ON THE NUMBER OF SQUARE YARDS OF PLAN AREA COVERED BY GEOGRID NOT INCLUDING OVERLAPS REQUIRED BY THE MANUFACTURER.

USE OF RECYCLED ASPHALT CONCRETE PAVEMENT (RACP) AS EMBANKMENT

DO NOT USE RECYCLED MATERIAL OR RACP AS EMBANKMENT WITHIN 3 FEET OF THE ROAD SUBGRADE OR FINISHED SHOULDER GRADE. IF RACP IS USED OUTSIDE THESE LIMITS, THE MATERIAL SHALL BE BLENDED WITH A MINIMUM OF 30% NATURAL SOILS OR GRANULAR MATERIAL AS SPECIFIED IN 703.16.

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 ESTABLISED 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 SHAL 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 ACCOMMODATE 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 MATERIAL AND 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).

DESIGN AGENCY
HNTB
DESIGNER
JAB
REVIEWER
KKP 07/24/23
PROJECT ID
1901
SHEET P.8 TOTAL P.157

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EROSION CONTROL

SITE PREPARATION FOR SEEDING AND MULCHING

IN ADDITION TO THE REQUIREMENTS OF 659.10, IN MAINTAINED LAWN AREAS REMOVE ALL STONES LARGER THAN 1/2-INCH BY RAKING OR OTHER METHODS APPROVED BY THE ENGINEER. IF THERE IS EXCESSIVE GRAVEL OR DEBRIS THAT CANNOT BE REMOVED BY CONVENTIONAL METHODS, PROVIDE 4-INCHES OF TOPSOIL AT NO ADDITIONAL COST TO THE COUNTY OVER THESE AREAS. TOPSOIL SHALL BE FERTILE, LOOSE, FRIABLE AND LOAMY AND NOT CONTAIN DEBRIS OR PARTICLES LARGER THAN 1/2-INCH IN ANY DIMENSION. TOPSOIL SHALL CONTAINBETWEEN 6 AND 20 PERCENT ORGANIC MATERIAL AND NO MORE THAN 18% MOISTURE. TEST TOPSOIL ACCORDING TO SUPPLEMENT 1016.

ITEM 659 - TOPSOIL, AS PER PLAN

PROVIDE PULVERIZED TOPSOIL THAT IS FERTILE, LOOSE, FRIABLE AND LOAMY AT LOCATIONS SHOWN IN THE PLAN OR AS DIRECTED BY THE ENGINEER. TOPSOIL SHALL BE FURNISHED FROM COMMERCIAL SOURCES (TOPSOIL SUPPLIERS) OR SHALL BE FURNISHED FROM STOCKPILES THAT ARE APPROVED BY THE DEPARTMENT.

IN ADDITION TO THE REQUIREMENTS OF 659, TOPSOIL SHALL CONTAIN BETWEEN 6 PERCENT AND 20 PERCENT ORGANIC MATERIAL. TOPSOIL SHALL NOT CONTAIN MORE THAN 18% MOISTURE AND SHALL BE FREE OF WEEDS AND OTHER DELETERIOUS MATERIAL. TOPSOIL SHALL NOT CONTAIN MORE THAN 5 PERCENT OF MATERIAL NOT PASSING THE 1/2-INCH SIEVE, OR ANY MATERIAL 1-INCH OR LARGER IN ANY DIMENSION. FOR TOPSOIL TO BE CONSIDERED LOAMY, ENSURE THAT THE FRACTION PASSING THE NO. 10 SIEVE DOES NOT CONTAIN MORE THAN 40 PERCENT CLAY. TEST FOR ACIDITY OR ALKALINITY AND ENSURE THAT PH IS BETWEEN 6 AND 7. TEST TOPSOIL ACCORDING TO AASHTO T 267.

DRAINAGE NOTES

CONCRETE ENCASEMENT FOR PIPES

FOR THE XX CULVERT AND SEWER PIPES SPECIFIED IN THE TABLE BELOW AND/OR PIPES WITH LESS THAN 24" OF COVER BETWEEN TOP OF PIPE AND PAVEMENT OR TREATED SHOULDER SUBGRADE, CONCRETE ENCASEMENT SHALL BE PROVIDED FOR THE FULL WIDTH OF THE TRENCH AND WITHIN LIMITS OF THE PAVEMENT OR TREATED SHOULDERS. CONCRETE SHALL EXTEND VERTICALLY TO THE PAVEMENT OR SHOULDER SUBGRADE, OR MAY EXTEND INTO THE PAVEMENT SECTION IF ALLOWED BY THE ENGINEER.

FOR AREAS NOT REQUIRING OPENING TO TRAFFIC WITHIN 3 DAYS, PROVIDE CLASS F OR CLASS C CONCRETE. FOR AREAS THAT REQUIRE OPENING TO TRAFFIC WITHIN 24 HOURS, PROVIDE CLASS MS OR FS CONCRETE, AT NO ADDITIONAL COST. CONCRETE SHALL BE PLACED AT A MAXIMUM SLUMP OF 7 INCHES, PROVIDED THE INCREASE IN SLUMP IS ACHIEVED BY ADDING A CHEMICAL ADMIXTURE CONFORMING TO THE REQUIREMENTS OF 705.12, TYPE F OR G.

CONCRETE SHALL NOT BE DROPPED WITH A FREE-FALL DISTANCE OF GREATER THAN 5 FEET. CONCRETE PLACED WHEN THE ATMOSPHERIC TEMPERATURE IS 32°F OR LESS, OR IF WEATHER FORECASTS PREDICT THESE TEMPERATURES DURING THE CURING PERIOD, NON-CHLORIDE ACCELERATING ADMIXTURES SHALL BE PROVIDED. CHLORIDE ADMIXTURES MAY BE USED ONLY WITH APPROVAL OF THE ENGINEER.

PAYMENT SHALL BE INCIDENTAL TO THE PIPE RUNS SHOWN BELOW. NO ADDITIONAL COMPENSATION WILL BE MADE FOR OVER-EXCAVATED TRENCHES OR ADDITIONAL LENGTH OF PIPE ENCASED WHEN NOT PRE-APPROVED BY THE ENGINEER.

DRAINAGE ID	LENGTH
DW-1	47'
DW-2	42'
DW-3	52'
DW-4	38'
DW-5	40'
DW-6	46'
DW-7	56'
DW-8	47'
DW-4H	42'

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 (RIGHT OF WAY) (CONSTRUCTION) LIMITS WITH ITEM 1203, CONDUIT, TYPE B, ONE COMMERCIAL SIZE LARGER THAN THE EXISTING CONDUIT.

OUTLET EXISTING COLLECTORS AND ISOLATED FARM DRAINS, WHICH ARE ENCOUNTERED ABOVE THE ELEVATION OF ROADWAY DITCHES INTO THE ROADWAY DITCH USING ITEM 1203, 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 1203, 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 FARM 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:

ITEM 1203, 6" CONDUIT, TYPE B, AS PER PLAN	250	FT
ITEM 1203, 6" CONDUIT, TYPE E, AS PER PLAN	250	FT
ITEM 1203, 6" CONDUIT, TYPE F, AS PER PLAN	250	FT
ITEM 601, ROCK CHANNEL PROTECTION TYPE C WITH FILTER	10	CY

REVIEW OF DRAINAGE FACILITIES

PRIOR TO THE START OF WORK AND AGAIN BEFORE FINAL ACCEPTANCE, PERFORM AN INSPECTION WITH REPRESENTATIVES OF THE DEPARTMENT, CONTRACTOR AND LOCALS OF ALL EXISTING DRAINAGE FACILITIES THAT ARE TO REMAIN IN SERVICE WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES IS DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION ARE MAINTAINED BY THE DEPARTMENT.

CONFIRM ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE-MENTIONED PARTIES ARE MAINTAINED AND LEFT IN A CONDITION COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. THE CONTRACTOR IS RESPONSIBLE TO CORRECT ANY CHANGE IN THE CONDITION RESULTING FROM THEIR OPERATIONS AS DIRECTED AND APPROVED BY THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 1203 CONDUIT ITEMS.

MANHOLES, CATCH BASINS AND INLETS REMOVED OR ABANDONED

CAREFULLY REMOVE AND STORE ALL CASTINGS WITHIN THE RIGHT OF WAY FOR SALVAGE BY (DEPARTMENT) (CITY) (VILLAGE) (COUNTY) FORCES.

PAYMENT FOR ALL OF THE ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 202 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 OF PAYMENT FOR UNCLASSIFIED PIPE UNDERDRAINS.

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

ITEM 601, TIED CONCRETE BLOCK MAT, TYPE 1	7	SY
ITEM 605, AGGREGATE DRAINS	560	FT
ITEM 1203, 6" CONDUIT, TYPE F, AS PER PLAN	420	FT
ITEM 1203, PRECAST REINFORCED CONCRETE OUTLET, AS PER PLAN	28	EACH
ITEM 605, UNCLASSIFIED PIPE UNDERDRAINS	200	FT

TEMPORARY DRAINAGE ITEMS

TEMPORARY DRAINAGE ITEMS LABELED ON THE MAINTENANCE OF TRAFFIC PLAN ARE ITEMIZED ON THE MOT PLANS AND CARRIED TO THE GENERAL SUMMARY.

ITEM 1203 99830 TRENCH DRAIN, TYPE B, WITH STANDARD GRATE, AS PER PLAN

THIS ITEM SHALL FOLLOW THE REQUIREMENTS OF SS839.
THE WORK FOR THIS ITEM INCLUDES FURNISHING AND INSTALLING TRENCH DRAIN PER ODOT SUPPLEMENTAL SPECIFICATION 839 AND 939, OMITTING THE CATCH BASIN 6 ON EITHER ENDS OF THE TRENCH DRAIN, BUT INSTEAD GRADING THE OUTFALLS OF THE TRENCH DRAINS TO THE NEAREST CATCH BASINS. THE PURPOSE OF THIS PAY ITEM IS TO PROVIDE A TRENCH DRAINS THAT OUTFALLS TO THE NEAREST CATCH BASINS ON EITHER SIDE OF THE DRIVEWAYS THEY ARE PLACED AT.

PAYMENT AT THE UNIT PRICE OF EACH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS TO COMPLETE THE WORK DESCRIBED ABOVE.

GENERAL NOTES

DESIGN AGENCY
HNTB

DESIGNER CJK
REVIEWER KKP 10/06/23
PROJECT ID 1901
SHEET P.9 TOTAL P.157

DEL-CR10-5.60

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PAVEMENT

CONTRACTION AND/OR EXPANSION JOINTS

ALTHOUGH SPECIFIC LOCATIONS OF CERTAIN CONTRACTION AND EXPANSION JOINTS HAVE BEEN DETAILED ON THIS PLAN, NO WAIVER OF THE SPECIFICATIONS IS INTENDED. IN ALL CASES, THE PROVISION OF EXPANSION JOINTS AT ALL MAJOR STRUCTURES INCLUDING THE MAXIMUM SPACING BETWEEN CONTRACTION JOINTS IS IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING BP-2.2 AND THE SPECIFICATIONS.

CONTRACTION JOINTS IN CONCRETE PAVEMENT OR BASE WIDENING

WHERE NEW CONCRETE IS PLACED ADJACENT TO AND TIED TO EXISTING CONCRETE, THE CONTRACTION JOINT SPACING REQUIRED IN STANDARD CONSTRUCTION DRAWING BP-2.2 WILL BE WAIVED. CONSTRUCT CONTRACTION JOINTS IN THE NEW CONCRETE PAVEMENT TO FORM A CONTINUOUS LINE WITH ALL CONTRACTION JOINTS IN THE EXISTING CONCRETE PAVEMENT. INSTALL EXPANSION JOINTS IN THE NEW CONCRETE PAVEMENT TO FORM A CONTINUOUS LINE WITH ALL EXPANSION JOINTS IN THE EXISTING CONCRETE PAVEMENT.

ITEM 407 - TACK COAT AND 408 PRIME COAT

THE ENGINEER SHALL ADJUST THE RATE OF APPLICATION IN THE FIELD OF THE 407 TACK COAT AND 408 PRIME COAT AS NEEDED. FOR ESTIMATING PURPOSES ONLY, THE PLAN QUANTITIES INDICATE AN AVERAGE APPLICATION RATE FOR THESE ITEMS. DO NOT ORDER MATERIALS FOR THESE ITEMS UNLESS AUTHORIZED BY THE ENGINEER.

SAWCUTS AND ASPHALT CONCRETE JOINTS

THE COST OF SAWCUTS, BUTT JOINTS AND SEALING THESE JOINTS THAT ARE NOT SEPARATELY ITEMIZED IN THE PLANS SHALL BE CONSIDERED INCIDENTAL TO THE PAVING ITEMS. ALL JOINTS BETWEEN EXISTING AND PROPOSED ASPHALT CONCRETE PAVEMENT SHALL BE SEALED WITH AN 8" WIDE ASPHALT CEMENT (AC) BAND OF LIQUID ASPHALT MEETING MEETING 702.02, 702.03 OR 702.04 AT NO ADDITIONAL COST.

INTERSECTION PAVEMENT

THE PLANS DO NOT INCLUDE TYPICAL SECTIONS FOR THE TOWNSHIP ROUTES THAT INTERSECT WITH S. OLD STATE ROAD AND HOLLENBACK ROAD. THE INTENT IS FOR THESE INTERSECTION AREAS TO MATCH THE MAINLINE PAVEMENT STRUCTURE.

ITEM 206 CEMENT STABILIZED SUBGRADE
12 INCHES DEEP (MINIMUM WIDTH SHALL BE 8')
CALCULATED AT 6%

FOR QUANTITIES, SEE SUBSUMMARY SHEET P.37. LOCATIONS SHALL BE AT THE DIRECTION OF THE PROJECT ENGINEER.

TRAFFIC CONTROL

ITEM 644 - PAVEMENT MARKING MISC.: EDGE LINE, 5"

WHEN THIS ITEM IS CALLED ON THE PLANS OR IN THE PROPOSAL, ALL APPLICABLE PROVISIONS OF ITEM 644, AS SET FORTH IN THE CONSTRUCTION AND MATERIAL SPECIFICATIONS, SHALL APPLY AS MODIFIED HEREIN. THE STANDARD SPECIFICATION APPLIES EXCEPT MARKING WIDTH WILL BE 5".

ITEM 644 - PAVEMENT MARKING MISC.: CHANNELIZING LINE, 10"

WHEN THIS ITEM IS CALLED ON THE PLANS OR IN THE PROPOSAL, ALL APPLICABLE PROVISIONS OF ITEM 644, AS SET FORTH IN THE CONSTRUCTION AND MATERIAL SPECIFICATIONS, SHALL APPLY AS MODIFIED HEREIN. THE STANDARD SPECIFICATION APPLIES EXCEPT MARKING WIDTH WILL BE 10".

GENERAL NOTES

DESIGN AGENCY
HNTB

DESIGNER
CJK

REVIEWER
KKP 10/06/23

PROJECT ID
1901

SHEET P.10 | TOTAL P.157

DEL-CR10-5.60

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MAINTENANCE OF TRAFFIC

ITEM 614, MAINTAINING TRAFFIC

OLD STATE ROAD (C.R. 10) (PRE-PHASE 1)
ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES ON THE EXISTING PAVEMENT. DURING OFF PEAK PERIODS FLAGGERS PER MT-97.10 SHALL BE USED TO COMPLETE REQUIRED DRAINAGE AND TEMPORARY PAVEMENT. STEEL TRAFFIC PLATES WITH WARNING SIGNS AND TEMPORARY RAMPING MATERIAL SHALL BE PLACED OVER PORTIONS OF CONDUIT TRENCHES NOT COMPLETED PRIOR TO REOPENING THE ROADS TO TRAFFIC PER THE ENGINEER. OPEN EXCAVATIONS FOR TEMPORARY PAVEMENT SHALL BE BACKFILLED OR PROTECTED PER THE ENGINEER.

OLD STATE ROAD (C.R. 10) (PHASE 1)
ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES. TRAFFIC SHALL BE MAINTAINED BY USING THE EXISTING PAVEMENT, AND ITEM 615 PAVEMENT FOR MAINTAINING TRAFFIC.

OLD STATE ROAD (C.R. 10), SOUTH LEG (PHASE 2A)
ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES WITH THE EXCEPTION OF A PERIOD NOT TO EXCEED 75 CALENDAR DAYS WHEN TRAFFIC MAY BE RESTRICTED TO ONE LANE IN THE NORTHBOUND DIRECTION AND SOUTHBOUND TRAFFIC DETOURED PER SHEET P.18. ONE WAY RESTRICTIONS ON THE SOUTH LEG SHALL NOT BE CONCURRENT TO ONE WAY RESTRICTIONS ON THE NORTH LEG. TRAFFIC SHALL BE MAINTAINED BY USING THE EXISTING PAVEMENT, PROPOSED PAVEMENT AND ITEM 615 PAVEMENT FOR MAINTAINING TRAFFIC.

OLD STATE ROAD (C.R. 10), NORTH LEG (PHASE 2B)
ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES WITH THE EXCEPTION OF A PERIOD NOT TO EXCEED 75 CALENDAR DAYS WHEN TRAFFIC MAY BE RESTRICTED TO ONE LANE IN THE SOUTHBOUND DIRECTION AND NORTHBOUND TRAFFIC DETOURED PER SHEET P.19. ONE WAY RESTRICTIONS ON THE SOUTH LEG SHALL NOT BE CONCURRENT TO ONE WAY RESTRICTIONS ON THE NORTH LEG. TRAFFIC SHALL BE MAINTAINED BY USING THE EXISTING PAVEMENT, PROPOSED PAVEMENT AND ITEM 615 PAVEMENT FOR MAINTAINING TRAFFIC.

HOLLENBACK ROAD (WEST LEG) (C.R. 274) (PHASES 1A&1B)
ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES WITH THE EXCEPTION OF A PERIOD NOT TO EXCEED 60 CALENDAR DAYS THAT THE ROAD MAY BE CLOSED FROM BOARDWALK DRIVE TO OLD STATE ROAD AND TRAFFIC DETOURED PER SHEET P.15. TRAFFIC SHALL BE MAINTAINED BY USING THE EXISTING PAVEMENT, AND LOCAL ACCESS FOR 4324 HOLLENBACK ROAD MAINTAINED FROM OLD STATE ROAD.

HOLLENBACK ROAD (WEST LEG) (C.R. 274) (PHASE 1C)
ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES WITH THE EXCEPTION OF A PERIOD NOT TO EXCEED 60 CALENDAR DAYS WHEN THE ROAD MAY BE CLOSD FROM THE BEGIN PROJECT LIMIT TO BOARDWALK DRIVE AND TRAFFIC DETOURED PER SHEET P.17. TRAFFIC SHALL BE MAINTAINED BY USING THE EXISTING PAVEMENT AND PROPOSED PAVEMENT. LOCAL ACCESS WEST OF BOARDWALK DRIVE SHALL BE MAINTAINED FROM THE WEST. ACCESS TO BOARDWALK DRIVE SHALL BE FROM OLD STATE ROAD.

HOLLENBACK ROAD (EAST LEG) (C.R. 274) (PHASE 1)
ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES. FOR A PERIOD NOT TO EXCEED 60 CALENDAR DAYS, HOLLENBACK ROAD MAY BE CLOSED AND TRAFFIC DETOURED PER SHEET P.17. LOCAL ACCESS SHALL BE MAINTAINED FROM THE EAST. HOLLENBACK ROAD SHALL BE OPEN TO TRAFFIC BY MEMORIAL DAY WEEKEND (20XX). TRAFFIC SHALL BE MAINTAINED BY USING THE EXISTING PAVEMENT AND PROPOSED PAVEMENT.

BOARDWALK DRIVE (PHASE 1)
ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES. TWO WAY TRAFFIC IN ONE LANE SHALL BE MAINTAINED BY USE OF TEMPORARY STOP CONTROL WITH SIGNS. SEE THE MOT PLANS FOR MORE DETAILS. TRAFFIC SHALL BE MAINTAINED BY USING THE EXISTING AND PROPOSED PAVEMENT.

ITEM 614, MAINTAINING TRAFFIC (CONT.)

MARINERS WAY (PHASE 2)
ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES WITH THE EXCEPTION OF A PERIOD NOT TO EXCEED 45 CALENDER DAYS THAT THE ROAD MAY BE CLOSED AND TRAFFIC DETOURED TO HOLLENBACK ROAD PER SHEET P.18.

STARBOARD LANE (PHASE 2)
ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES WITH THE EXCEPTION OF A PERIOD NOT TO EXCEED 75 CALENDER DAYS THAT THE ROAD MAY BE CLOSED AND TRAFFIC DETOURED TO HOLLENBACK ROAD PER SHEET P.19.

HOLLENBACK ROAD (C.R. 274) (PHASE 3) AND
OLD STATE ROAD (C.R. 10) (PHASE 3)
ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES IN THE FINAL CONFIGURATION DURING OFF PEAK PERIODS FLAGGERS PER MT-97.11 SHALL BE USED TO COMPLETE REQUIRED PLANING AND RESURFACING OPERATIONS. FINAL PAVEMENT MARKINGS SHALL BE PLACED PER MT-99.20

ESTIMATED QUANTITIES FOR MAINTAINING TRAFFIC

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEM INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC:

ITEM 410 - TRAFFIC COMPACTED SURFACE TYPE A OR B, AS PER PLAN	2000 CY
ITEM 622 - PORTABLE BARRIER, UNANCHORED	100 FT

PORTABLE BARRIER (ITEM 622) IS PROVIDED AS A CONTINGENCY IN ORDER TO DISCOURAGE THE LOCAL TRAFFIC FROM USING BOARDWALK DRIVE, ETC. AS A SHORT CUT TO S. OLD STATE.

ALL REPLACEMENT DRUMS (ITEM 614) WILL NEED BEACONS. THESE WILL BE INCIDENTAL TO THE REPLACEMENT DRUMS, PAID FOR UNDER ITEM 614, REPLACEMENT DRUM.

AN ESTIMATED QUANTITY OF 30 EACH HAS BEEN PROVIDED IN THE GENERAL SUMMARY

ALL LED STOP SIGNS ARE TO REMAIN ACTIVE THROUGH THE DURATION OF THE PROJECT. ONCE REMOVED, THESE NEED TO BE RETURNED TO DELAWARE COUNTY.

ITEM 614, MAINTAINING TRAFFIC (CONT.)

LANES OPEN DURING HOLIDAY OR SPECIAL EVENTS
NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR SPECIAL EVENTS:

NEW YEAR'S (OBSERVED)	GENERAL/REGULAR ELECTION DAY (NOV)
THANKSGIVING	MEMORIAL DAY
CHRISTMAS (OBSERVED)	FOURTH OF JULY (OBSERVED)
LABOR DAY	

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR SPECIAL EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY OR SPECIAL EVENT:	TIME ALL LANES MUST BE OPEN TO TRAFFIC:
SUNDAY	12 FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
GEN./REG. ELECTION	5:00 AM TUESDAY THROUGH 12:00 AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY
THANKSGIVING ONLY	6:00 AM WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY

DURING THE SAME PERIODS, MAINTAIN PEDESTRIAN ACCESS IF PEDESTRIAN ACCESS WAS PRESENT PRIOR TO CONSTRUCTION.

NEWLY CONSTRUCTED LANE ADDITIONS, ONCE COMPLETED AND INITIALLY OPENED TO TRAFFIC, SHALL BE OPEN TO TRAFFIC DURING ALL SUBSEQUENT DESIGNATED HOLIDAYS AND SPECIAL EVENTS, AND RELATED PERIODS OF TIME, SPECIFIED ABOVE.

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE PER THE LANE VALUE CONTRACT (PN 127).

LANE CLOSURE/REDUCTION REQUIRED
LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

NOTICE OF CLOSURE SIGNS
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.

NOTICE OF CLOSURE SIGN TIME TABLE

ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
ROAD &	>= 2 WEEKS	14 CALENDAR DAYS
RAMP	> 12 HOURS & < 2 WEEKS	7 CALENDAR DAYS
CLOSURES	<= 12 HOURS	2 BUSINESS DAYS

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MMM-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.

ITEM 614, MAINTAINING TRAFFIC (CONT.)

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 TRAFFIC SCD MT-101.60 AND AS SHOWN IN THE PLANS AND REFERENCED STANDARD CONSTRUCTION DRAWINGS.

SIGNS AND BARRICADES
THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN SIGNS AND SIGN SUPPORTS, AS DETAILED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND TYPE III BARRICADES OF THE TYPE AND LOCATION AS SHOWN IN THE PLANS AND REFERENCED STANDARD CONSTRUCTION DRAWINGS.

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.

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	49 M. GAL.

ITEM 614, REPLACEMENT SIGN

FLATSHEET SIGNS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND PROPOSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL OF THE CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE ENGINEER. REPLACEMENT SIGNS SHALL BE NEW. OTHER MATERIALS MAY BE IN USED, BUT GOOD, CONDITION SUBJECT TO APPROVAL BY THE ENGINEER.

PAYMENT FOR THE NEW SIGNS SHALL BE MADE AT THE CONTRACT PRICE PER EACH FOR ITEM 614, REPLACEMENT SIGN, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF DAMAGED SIGNS, HARDWARE AND SUPPORTS, AND PROVIDING THE NECESSARY REPLACEMENT HARDWARE, SUPPORTS, ETC.

AN ESTIMATED QUANTITY OF 20 EACH HAS BEEN PROVIDED IN THE GENERAL SUMMARY.

ITEM 614, REPLACEMENT DRUM

DRUMS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND PROPOSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL OF THE CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE ENGINEER. REPLACEMENT DRUMS SHALL BE NEW.

PAYMENT FOR THE NEW DRUMS SHALL BE MADE AT THE CONTRACT PRICE PER EACH FOR ITEM 614, REPLACEMENT DRUM, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF THE DAMAGED DRUM, AND PROVIDING AND MAINTAINING THE REPLACEMENT DRUM IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS FOR THE ORIGINAL DRUM.

AN ESTIMATED QUANTITY OF 30 EACH HAS BEEN PROVIDED IN THE GENERAL SUMMARY

EARTHWORK FOR MAINTAINING TRAFFIC

THE FOLLOWING QUANTITIES HAVE BEEN INCLUDED IN THE PLAN FOR INFORMATION ONLY.

EXCAVATION FOR MAINTAINING TRAFFIC	173 CU. YD.
EMBANKMENT FOR MAINTAINING TRAFFIC	653 CU. YD.

WHEN UNDERCUTS ARE NECESSARY FOR MAINLINE PAVEMENT OR EMBANKMENT CONSTRUCTION, EVALUATE THE NEED FOR TEMPORARY ROAD UNDERCUTS IF WITHIN A CLOSE PROXIMITY TO THE MAINLINE UNDERCUTS. A GEOTECHNICAL EVALUATION SHOULD BE CONSIDERED TO DETERMINE IF THE EXISTING SOIL CONDITIONS ARE ADEQUATE TO SUPPORT THE TEMPORARY ROAD. ADDITIONAL SOIL BORINGS ALONG THE TEMPORARY ROAD ARE NOT NORMALLY REQUIRED.

MAINTENANCE OF TRAFFIC NOTES

DESIGN AGENCY
HNTB

DESIGNER CRC
REVIEWER MTD 08/01/24
PROJECT ID 1901
SHEET P.11 TOTAL P.157

DEL-CR10-5.60

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MAINTENANCE OF TRAFFIC (CONT.)

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 SHEET(S) 16-20 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.

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.

THE CONTRACTOR SHALL IMPLEMENT A SYSTEM WHEREBY CHANGEABLE MESSAGES WILL BE IMPLEMENTED WITHIN 8 HOURS FOLLOWING TELEPHONE NOTIFICATION FROM THE PROJECT ENGINEER TO A DESIGNATED PHONE.

ALL MESSAGES TO BE DISPLAYED ON THE SIGN WILL BE PROVIDED BY THE ENGINEER. A LIST OF ALL REQUIRED PREPROGRAMMED 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 AN 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 SHALL CONTAIN A CELLULAR TELEPHONE DATA LINK WHICH WILL IN ACTIVE CELLULAR PHONE AREAS ALLOW REMOTE SIGN ACTIVATION, MESSAGE CHANGES, MESSAGE ADDITIONS AND REVISIONS TO TIME OF DAY PROGRAMS. THE SYSTEM SHALL ALSO PERMIT VERIFICATION OF CURRENT AND PROGRAMMED MESSAGES. ONE REMOTE DATA INPUT DEVICE LAPTOP COMPUTER PLUS MODEM OR EQUIVALENT SHALL BE FURNISHED FOR USE BY THE PROJECT ENGINEER, OR EQUIVALENT, AND SHALL BE INSURED AGAINST THEFT. 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.

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN ASSUMING 4 PCMS SIGN(S) FOR 8 MONTH(S) 32 SIGN MONTH

DESIGN AGENCY
HNTB
DESIGNER
CRC
REVIEWER
MTD 08/01/24
PROJECT ID
1901
SHEET P.12 TOTAL P.157

DEL-CR10-5.60
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MAINTENANCE OF TRAFFIC (CONT.)

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 TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR THE FLOW OF TRAFFIC, OR WHEN TRAFFIC NEEDS TO BE DIRECTED THROUGH AN ENERGIZED TRAFFIC SIGNAL CONTRARY TO THE SIGNAL DISPLAY (E.G., DIRECTING MOTORISTS THROUGH A RED LIGHT).

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).

-FOR OPERATIONS WITHOUT POSITIVE PROTECTION OCCURRING WITHIN 10 FEET OF AN OPEN TRAVELED LANE THAT MEET ALL OF THE FOLLOWING CRITERIA:

- ON A MULTI-LANE DIVIDED INTERSTATE, OTHER FREEWAY OR EXPRESSWAY; AND

-AN AUTHORIZED SPEED LIMIT OF 45 MPH OR GREATER THAT IS IN EFFECT AT THE TIME OF THE OPERATION; AND,

-AADT OF 50,000 (OR AADT OF 30,000 WITH 25% OR HIGHER PERCENT TRUCKS)

"WITHOUT POSITIVE PROTECTION" MEANS USE OF DRUMS, CONES, SHADOW VEHICLE, ETC, WITHOUT PROTECTION FROM PORTABLE BARRIER OR OTHER RIGID BARRIER ALONG THE WORK AREA. THIS PHRASE DOES NOT APPLY TO CASES WHERE POSITIVE PROTECTION IS REQUIRED. MOBILE OPERATIONS ARE REGARDED AS "WITHOUT POSITIVE PROTECTION". FOR WORK ZONES USING A COMBINATION OF BARRIER AND TEMPORARY TRAFFIC CONTROL DEVICES (CONES, DRUMS, ETC), THE DESIGNATION SHALL BE BASED UPON THE TYPE OF DEVICES USED IN THE AREA THAT WORKERS ARE LOCATED.

IF MULTIPLE ACTIVE LOCALIZED QUALIFYING WORK AREAS OCCURWITHOUT POSITIVE PROTECTION, PER MAINLINE TRAFFIC DIRECTION, PROVIDE A UNIFORMED LEO AND OFFICIAL PATROL CAR IN ADVANCEOF:

-THE FIRST ACTIVE WORK AREA THAT DRIVERS WILL ENCOUNTER; OR
-THE ACTIVE WORK AREA LATERALLY CLOSEST TO THE OPEN TRAVELED LANE; OR
-OTHER LOCATION AS APPROVED BY THE ENGINEER.

THE UNIFORMED LEO AND OFFICIAL PATROL CAR MAY RELOCATE AMONG THE LISTED LOCATIONS AS APPROPRIATE AS THE OPERATIONS PROCEED IN THE LOCALIZED QUALIFYING WORK AREAS.

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 MOVEMENTSTHROUGH 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.

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.

ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS (CONT.)

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 148 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 AN LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAWENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

CONSTRUCTION ADJACENT TO DRIVES

ACCESS TO COMMERCIAL AND HANDICAP PROPERTY SHALL BE MAINTAINED AT ALL TIMES. IN ADDITION, THE CONTRACTOR SHALL MAKE REASONABLE PROVISIONS TO ALLOW RESIDENTIAL ACCESS AT ALL TIMES OR OTHERWISE ALLOW RESIDENTS TO PARK SAFELY WITHIN THE PROJECT WORK LIMITS WHEN ACCESS IS NOT POSSIBLE; ALL AT THE APPROVAL/DIRECTION OF THE ENGINEER. THE MAXIMUM OUT OF SERVICE TIME FOR ANY RESIDENTIAL DRIVE SHALL BE FOURTEEN (14) DAYS. THE PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED TO MAINTAIN COMMERCIAL, HANDICAP AND RESIDENTIAL ACCESS AND/OR SAFE PARKING AREAS FOR RESIDENTS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR "ITEM 614 MAINTAINING TRAFFIC"; EXCEPT FOR THE SEPARATELY ESTIMATED ITEMS/QUANTITIES ADDITIONALLY PROVIDED IN THE PLANS FOR MAINTAINING TRAFFIC (ACCESS).

THE CONTRACTOR SHALL PLAN/STAGE ALL WORK TO MAINTAIN SAFE ACCESS TO COMMERCIAL AND HANDICAP PROPERTY AT ALL TIMES AND TO MAINTAIN SAFE ACCESS TO RESIDENTIAL PROPERTY OR PROVIDE SAFE PARKING WITHIN REASONABLE PROXIMITY TO RESIDENTIAL PROPERTY WHEN ACCESS IS UNAVAILABLE. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A PLAN FOR THE APPROVAL OF THE ENGINEER WHICH DETAILS HIS/HER STRATEGY FOR THE MAINTENANCE OF SAFE ACCESS AS DESCRIBED ABOVE TO COMMERCIAL, HANDICAP AND RESIDENTIAL PROPERTY AND/OR FOR ALLOWING RESIDENTS TO PARK SAFELY WITHIN THE PROJECT LIMITS WHEN ACCESS IS NOT POSSIBLE. EXCEPT AS NOTED ABOVE, ALL ASSOCIATED COSTS SHALL BE INCLUDED UNDER "ITEM 614 MAINTAINING TRAFFIC".

MAINTENANCE OF TRAFFIC NOTES

DESIGN AGENCY
HNTB

DESIGNER CRC
REVIEWER MTD 08/01/24
PROJECT ID 1901
SHEET P.13 TOTAL P.157

DEL-CR10-5.60

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MAINTENANCE OF TRAFFIC (CONT.)

SEQUENCE OF CONSTRUCTION

PRE-PHASE 1

WORK THIS STAGE:
S. OLD STATE ROAD (C.R. 10)
-CONSTRUCT ITEM 615 PAVEMENT FOR MAINTENANCE TRAFFIC.

MAINTENANCE OF TRAFFIC
S. OLD STATE ROAD (C.R. 10)/HOLLENBACK ROAD
-USE OFF PEAK LANE CLOSURES WITH FLAGGERS PER MT-97.10.

PHASE 1A

WORK THIS PHASE:
S. OLD STATE ROAD (C.R. 10)
- REMOVE PORTIONS OF THE EXISTING PAVEMENT ON THE OUTSIDE OF THE NORTHBOUND LANE IN THE AREA OF THE HOLLENBACK INTERSECTION.
- REMOVE EXISTING SIGNS, SIGN SUPPORTS AND POLE MOUNTED SIGNS AS NEEDED FOR MOT.
- BUILD PORTIONS OF THE NEW NORTHBOUND PAVEMENT AND DRIVES, OMIT CONSTRUCTION OF THE ASPHALT SURFACE COURSE.
- BUILD PORTIONS OF THE PROPOSED TRAFFIC SIGNAL
- BUILD PORTIONS OF THE PROPOSED DRAINAGE SYSTEM.
- BUILD ITEM 615 PAVEMENT FOR MAINTAINING TRAFFIC NEEDED FOR PHASE 1B.

HOLLENBACK ROAD (EAST LEG)
- REMOVE PORTIONS OF THE EXISTING PAVEMENT, SHOULDER AND DRIVES ON THE OUTSIDE OF THE WESTBOUND AND EASTBOUND LANES.
- REMOVE EXISTING SIGNS, SIGN SUPPORTS AND POLE MOUNTED SIGNS.
- BUILD THE NEW EASTBOUND AND WESTBOUND PAVEMENT AND DRIVES, OMIT CONSTRUCTION OF THE ASPHALT SURFACE COURSE.
- BUILD PORTIONS OF THE PROPOSED TRAFFIC SIGNAL
- BUILD PORTIONS OF THE PROPOSED DRAINAGE SYSTEM.

HOLLENBACK ROAD (WEST LEG)
- REMOVE PORTIONS OF THE EXISTING PAVEMENT, SHOULDER AND DRIVES ON THE OUTSIDE OF THE WESTBOUND AND EASTBOUND LANES FROM BOARDWALK DRIVE TO JUST WEST OF THE INTERSECTION OF S. OLD STATE ROAD.
- REMOVE EXISTING SIGNS, SIGN SUPPORTS AND POLE MOUNTED SIGNS.
- BUILD THE NEW EASTBOUND AND WESTBOUND PAVEMENT AND DRIVES, OMIT CONSTRUCTION OF THE ASPHALT SURFACE COURSE.
- BUILD PORTIONS OF THE PROPOSED TRAFFIC SIGNAL
- BUILD PORTIONS OF THE PROPOSED DRAINAGE SYSTEM.

BOARDWALK DRIVE
-REMOVE EAST HALF OF THE EXISTING PAVEMENT AND WALK.
-BUILD EAST HALF OF THE NEW PAVEMENT AND WALK.

MAINTENANCE OF TRAFFIC:
S. OLD STATE ROAD (C.R. 10)
- SHIFT TRAFFIC WEST AND MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION ON THE EXISTING PAVEMENT AND PAVEMENT FOR MAINTAINING TRAFFIC.
- CLOSE THE WORK AREA WITH DRUMS AND TYPE III BARRICADES.
- COVER EXISTING SPEED LIMIT SIGNS AND PLACE ADVISORY SPEED LIMIT SIGNAGE SHOWING 40 MPH.

HOLLENBACK ROAD (EAST LEG)
- CLOSE THE ROAD PER MT-101.60 AT S. OLD STATE RD AND HOLLENBACK RD INTERSECTION AND AT EAST PROJECT LIMIT.
- DETOUR LOCAL AND MARINA TRAFFIC AS SHOWN ON SHEETS 15-16.
- MAINTAIN LOCAL ACCESS FOR ALL RESIDENCES IN THE WORK AREA AT ALL TIMES FROM THE EAST END OF THE WORK AREA.

HOLLENBACK ROAD (WEST LEG)
- CLOSE THE ROAD PER MT-101.60 AT BOARDWALK DRIVE AND JUST WEST OF THE S. OLD STATE RD AND HOLLENBACK RD INTERSECTION.
- DETOUR TRAFFIC AS SHOWN ON SHEET 15.
- MAINTAIN LOCAL ACCESS FOR THE TWO DRIVEWAYS EAST OF BOARDWALK DRIVE VIA THE EAST END (S. OLD STATE SIDE) AT ALL TIMES.

BOARDWALK DRIVE
-USING PART WIDTH CONSTRUCTION MAINTAIN TWO-WAY TRAFFIC IN ONE LANE WITH TEMPORARY STOP SIGNS.

PHASE 1B

WORK THIS PHASE:
S. OLD STATE ROAD (C.R. 10)
- REMOVE PORTIONS OF THE EXISTING PAVEMENT, SHOULDER AND DRIVES ON THE OUTSIDE OF THE SOUTHBOUND LANE IN THE HOLLENBACK INTERSECTION.
- REMOVE EXISTING SIGNS, SIGN SUPPORTS AND POLE MOUNTED SIGNS AS NEEDED FOR MOT.
- BUILD PORTIONS OF THE NEW SOUTHBOUND PAVEMENT IN THE HOLLENBACK INTERSECTION, OMIT CONSTRUCTION OF THE ASPHALT SURFACE COURSE.
- BUILD PORTIONS OF THE PROPOSED DRAINAGE SYSTEM.
- BUILD PORTIONS OF THE PROPOSED TRAFFIC SIGNAL.

HOLLENBACK ROAD (EAST LEG)
- SAME AS PHASE 1A EXCEPT FOR S. OLD STATE RD INTERSECTION AREA.

HOLLENBACK ROAD (WEST LEG)
- SAME AS PHASE 1A EXCEPT FOR S. OLD STATE RD INTERSECTION AREA IS NOW ADDED TO THE WORK AREA.
- BUILD PORTIONS OF THE PROPOSED ROADWAY, DRAINAGE SYSTEM, AND TRAFFIC SIGNAL.

BOARDWALK DRIVE
-SAME AS PHASE 1A.

MAINTENANCE OF TRAFFIC:
S. OLD STATE ROAD (C.R. 10)
- SHIFT TRAFFIC EAST AND MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION ON THE EXISTING PAVEMENT, PROPOSED PAVEMENT AND PAVEMENT FOR MAINTAINING TRAFFIC.
- CLOSE THE WORK AREA WITH DRUMS AND TYPE III BARRICADES.
- COVER EXISTING SPEED LIMIT SIGNS AND PLACE ADVISORY SPEED LIMIT SIGNAGE SHOWING 40 MPH.

HOLLENBACK ROAD (EAST LEG)
- SAME AS PHASE 1A EXCEPT THE CLOSURE POINT AT THE INTERSECTION WITH S. OLD STATE ROAD SHIFTS EAST TO ACCOMODATE TRAFFIC ON S. OLD STATE.

HOLLENBACK ROAD (WEST LEG)
- SAME AS PHASE 1A EXCEPT THE CLOSURE POINT AT THE INTERSECTION WITH S. OLD STATE ROAD SHIFTS EAST TO ACCOMODATE INTERSECTION CONSTRUCTION.

BOARDWALK DRIVE
-SAME AS PHASE 1A.

PHASE 1C

WORK THIS PHASE:
S. OLD STATE ROAD (C.R. 10)
- NO WORK THIS PHASE.

HOLLENBACK ROAD (EAST LEG)
- NO WORK THIS PHASE.

HOLLENBACK ROAD (WEST LEG)
- REMOVE PORTIONS OF THE EXISTING PAVEMENT, SHOULDER AND DRIVES ON THE OUTSIDE OF THE WESTBOUND AND EASTBOUND LANES FROM THE WEST PROJECT LIMIT TO BOARDWALK DRIVE.
- REMOVE EXISTING SIGNS, SIGN SUPPORTS AND POLE MOUNTED SIGNS.
- BUILD THE NEW EASTBOUND AND WESTBOUND PAVEMENT AND DRIVES, OMIT CONSTRUCTION OF THE ASPHALT SURFACE COURSE.
- BUILD PORTIONS OF THE PROPOSED DRAINAGE SYSTEM.

BOARDWALK DRIVE
-REMOVE WEST HALF OF THE EXISTING PAVEMENT.
-BUILD WEST HALF OF THE NEW PAVEMENT.

MAINTENANCE OF TRAFFIC:
S. OLD STATE ROAD (C.R. 10)
- SAME AS PHASE 1B.

HOLLENBACK ROAD (EAST LEG)
- OPEN THE ROAD AND MAINTAIN TWO WAY TRAFFIC IN THE FINAL TRAFFIC PATTERN. SEE TRAFFIC CONTROL PLANS FOR DETAILS. PLACE TEMPORARY STOP SIGN FOR WESTBOUND TRAFFIC AT S. OLD STATE RD INTERSECTION.

HOLLENBACK ROAD (WEST LEG)
- OPEN THE ROAD TO TWO-WAY TRAFFIC FROM S. OLD STATE RD TO BOARDWALK DRIVE IN THE FINAL TRAFFIC PATTERN. PLACE A TEMPORARY STOP SIGN FOR WESTBOUND TRAFFIC AT BOARDWALK DRIVE. FOR EASTBOUND TRAFFIC PLACE A TEMPORARY STOP SIGN AT THE INTERSECTION WITH S. OLD STATE RD.
-CLOSE THE ROAD PER MT-101.60 AT THE WEST PROJECT LIMIT AND AT BOARDWALK DRIVE.
-MAINTAIN LOCAL ACCESS AT ALL TIMES FOR DRIVEWAYS WITHIN THE WORK AREA VIA THE EAST END OF THE WORK AREA (BOARDWALK DRIVE).
-DETOUR TRAFFIC PER SHEET 17.

BOARDWALK DRIVE
-USING PART WIDTH CONSTRUCTION MAINTAIN TWO-WAY TRAFFIC IN ONE LANE WITH TEMPORARY STOP SIGNS.

PHASE 2A

WORK THIS PHASE:
S. OLD STATE ROAD (C.R. 10)
- SOUTH OF HOLLENBACK ROAD REMOVE PORTIONS OF THE EXISTING PAVEMENT AND TEMPORARY PAVEMENT ON THE OUTSIDE OF THE SOUTHBOUND LANE.
- REMOVE EXISTING SIGNS, SIGN SUPPORTS AND POLE MOUNTED SIGNS AS NEEDED FOR MOT.
- BUILD PORTIONS OF THE NEW SOUTHBOUND PAVEMENT AND DRIVES, OMIT CONSTRUCTION OF THE ASPHALT SURFACE COURSE.
- BUILD PORTIONS OF THE PROPOSED DRAINAGE SYSTEM.

HOLLENBACK ROAD (EAST LEG)
- NO WORK THIS PHASE.

HOLLENBACK ROAD (WEST LEG)
- NO WORK THIS PHASE.

BOARDWALK DRIVE
-NO WORK THIS PHASE.

MAINTENANCE OF TRAFFIC:
S. OLD STATE ROAD (C.R. 10)
- NORTH OF HOLLENBACK ROAD SAME AS PHASE 1B.
- SOUTH OF HOLLENBACK ROAD MAINTAIN ONE WAY TRAFFIC NORTHBOUND. DETOUR SOUTHBOUND TRAFFIC PER SHEET 18.

HOLLENBACK ROAD (EAST LEG)
- SAME AS PHASE 1C EXCEPT LEFT TURN LANE TO SOUTHBOUND S. OLD STATE ROAD IS CLOSED WITH DRUMS AND BARRICADES.
-DETOUR TRAFFIC PER SHEET 18.

HOLLENBACK ROAD (WEST LEG)
- OPEN THE ROAD TO TWO-WAY TRAFFIC FROM BEGIN PROJECT TO S. OLD STATE RD IN THE FINAL TRAFFIC PATTERN. FOR EASTBOUND TRAFFIC PLACE A TEMPORARY STOP SIGN AT THE INTERSECTION WITH S. OLD STATE RD.
-CLOSE THE NEW DEDICATED RIGHT TURN LANE WITH DRUMS AND BARRICADES.
-DETOUR TRAFFIC PER SHEET 18.

BOARDWALK DRIVE
-OPEN TO TRAFFIC.

PHASE 2B

WORK THIS PHASE:
S. OLD STATE ROAD (C.R. 10)
- SOUTH OF HOLLENBACK ROAD REMOVE PORTIONS OF THE EXISTING PAVEMENT AND TEMPORARY PAVEMENT ON THE OUTSIDE OF THE NORTHBOUND LANE.
- NORTH OF HOLLENBACK ROAD REMOVE PORTIONS OF THE EXISTING PAVEMENT AND TEMPORARY PAVEMENT ON THE OUTSIDE OF THE SOUTHBOUND LANE.
- REMOVE EXISTING SIGNS, SIGN SUPPORTS AND POLE MOUNTED SIGNS AS NEEDED FOR MOT.
- BUILD PORTIONS OF THE NEW PAVEMENT AND DRIVES, OMIT CONSTRUCTION OF THE ASPHALT SURFACE COURSE.
- BUILD PORTIONS OF THE PROPOSED DRAINAGE SYSTEM.

MAINTENANCE OF TRAFFIC:
S. OLD STATE ROAD (C.R. 10)
- SOUTH OF HOLLENBACK ROAD SHIFT TRAFFIC WEST AND MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION ON THE EXISTING PAVEMENT AND NEW PAVEMENT BUILT IN PREVIOUS PHASES.
- NORTH OF HOLLENBACK ROAD SHIFT TRAFFIC EAST AND MAINTAIN ONE WAY TRAFFIC SOUTHBOUND ONLY ON THE EXISTING PAVEMENT.
- CLOSE THE WORK AREA WITH DRUMS AND TYPE III BARRICADES.
- COVER EXISTING SPEED LIMIT SIGNS AND PLACE ADVISORY SPEED LIMIT SIGNAGE SHOWING 40 MPH.
-DETOUR TRAFFIC PER SHEET 19.

HOLLENBACK ROAD (EAST LEG)
- SAME AS PHASE 2A EXCEPT LEFT TURN LANE TO SOUTHBOUND S. OLD STATE ROAD IS NOW OPEN.

HOLLENBACK ROAD (WEST LEG)
- SAME AS PHASE 2A EXCEPT THE NEW DEDICATED LEFT TURN LANE TO NB S. OLD STATE ROAD IS CLOSED WITH DRUMS AND BARRICADES.
-DETOUR TRAFFIC PER SHEET 19.

PHASE 2C

WORK THIS PHASE:
S. OLD STATE ROAD (C.R. 10)
- NORTH OF HOLLENBACK ROAD REMOVE PORTIONS OF THE EXISTING PAVEMENT AND TEMPORARY PAVEMENT ON THE OUTSIDE OF THE NORTHBOUND LANE INCLUDING THE STARBOARD LANE INTERSECTION.
- REMOVE EXISTING SIGNS, SIGN SUPPORTS AND POLE MOUNTED SIGNS AS NEEDED FOR MOT.
- BUILD PORTIONS OF THE NEW PAVEMENT AND DRIVES, OMIT CONSTRUCTION OF THE ASPHALT SURFACE COURSE.
- BUILD PORTIONS OF THE PROPOSED DRAINAGE SYSTEM.

MAINTENANCE OF TRAFFIC:
S. OLD STATE ROAD (C.R. 10)
- SOUTH OF HOLLENBACK ROAD OPEN TO TRAFFIC PER THE PERMENANT TRAFFIC CONTROL PATTERN.
- NORTH OF HOLLENBACK ROAD SHIFT TRAFFIC WEST AND MAINTAIN ONE LANE IN EACH DIRECTION ON THE EXISTING AND NEW PAVEMENT.
- CLOSE THE WORK AREA WITH DRUMS AND TYPE III BARRICADES.
- COVER EXISTING SPEED LIMIT SIGNS AND PLACE ADVISORY SPEED LIMIT SIGNAGE SHOWING 40 MPH.

HOLLENBACK ROAD (EAST LEG)
- SAME AS PHASE 2B.

HOLLENBACK ROAD (WEST LEG)
- SAME AS PHASE 2B EXCEPT THE DEDICATED LEFT TURN LANES ARE NOW OPEN.

STARBOARD LANE
-DETOUR TRAFFIC PER SHEET 16.

PHASE 3 - RESURFACING OPERATIONS (NO SHEETS PROVIDED)

WORK THIS PHASE:
S. OLD STATE ROAD AND HOLLENBACK ROAD
- MILL EXISTING ASPHALT SURFACE TO SPECIFIED DEPTH ON EXISTING PAVEMENT TO REMAIN.
- COMPLETE PARTIAL DEPTH PAVEMENT REPAIRS AS DIRECTED BY THE ENGINEER.
- PLACE FINAL SURFACE COURSE ON RESURFACING AREAS AND NEW FULL DEPTH AREAS CONSTRUCTED IN PREVIOUS PHASES.
- PLACE FINAL TRAFFIC CONTROL AS SPECIFIED IN THE PLANS.

MAINTENANCE OF TRAFFIC:
OLD STATE ROAD AND HOLLENBACK ROAD
- PLACE TRAFFIC IN PERMANENT POSITIONS UTILIZING WORK ZONE MARKINGS.
- UTILIZE FLAGGERS DURING OFF PEAK PERIODS TO COMPLETE RESURFACING OPERATIONS PER MT-97.10 AND MT-97.12.
- STRIPE THE FINAL PAVEMENT MARKINGS PER MT-99.20 DURING OFF PEAK PERIODS.
- ACTIVATE THE NEW TRAFFIC SIGNAL PER MT-120.00.

MAINTENANCE OF TRAFFIC NOTES

DESIGN AGENCY
HNTB

DESIGNER CRC
REVIEWER MTD 08/01/24
PROJECT ID 1901
SHEET P.14 TOTAL P.157

DEL-CR10-5.60

MODEL: Notes - Sheet 4 |Sheet| PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:09:03 AM USER: asingleton
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NOTE

FOR SIGNING LEGEND SEE SHEET P.20.

FOR MAINTENANCE OF TRAFFIC PHASE PLANS SEE SHEETS P.24 - P.29.

SIGN LOCATIONS ARE APPROXIMATE AND SHOW GENERAL INTENT ONLY. FINAL LOCATIONS TO BE APPROVED BY THE FIELD ENGINEER.

FOR DETOUR SIGNING INFORMATION RELATED TO THE MARINA SEE SHEET P.16.

SIGNS INCLUDED IN GENERAL SUMMARY UNDER LUMP SUM ITEM 614, DETOUR SIGNING.

AS DIRECTED BY THE FIELD ENGINEER, THE INTERSECTION OF PIATT ROAD AND HOLLENBACK ROAD MAY BE CLOSED WITH TYPE III BARRICADES PER MT-101.60 TO STOP THE USE OF BOARDWALK DRIVE AS A MEANS OF ACCESSING S. OLD STATE ROAD. QUANTITY FOR THIS CLOSURE HAS BEEN INCLUDED IN THE LUMP SUM ITEM 614 - MAINTAINING TRAFFIC.

- WORK AREA

- DETOUR ROUTE

PEACHBLOW RD
C-98

PEACHBLOW RD

C-10

SEE SHEET P. 16 FOR DETAILS OF DETOUR THROUGH SUBDIVISION

PIATT RD
T-99

HOLLENBACK RD
T-274

OLD STATE ROAD

HOLLENBACK ROAD CLOSED IN BOTH DIRECTIONS

HOLLENBACK ROAD

HOLLENBACK ROAD CLOSED IN BOTH DIRECTIONS

SHANAHAN RD
T-100

NORTH RD
T-272

LEWIS CENTER RD
C-106

HORIZONTAL SCALE IN FEET
0 300 600 1200

DETOUR PLAN - PHASE 1A/1B
HOLLENBACK ROAD EAST AND WEST

DESIGN AGENCY
HNTB

DESIGNER	CRC
REVIEWER	MTD 08/01/24
PROJECT ID	1901
SHEET	P.15
TOTAL	P.157

DEL-CR10-5.60

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NOTE

FOR SIGNING LEGEND SEE SHEET P.20.

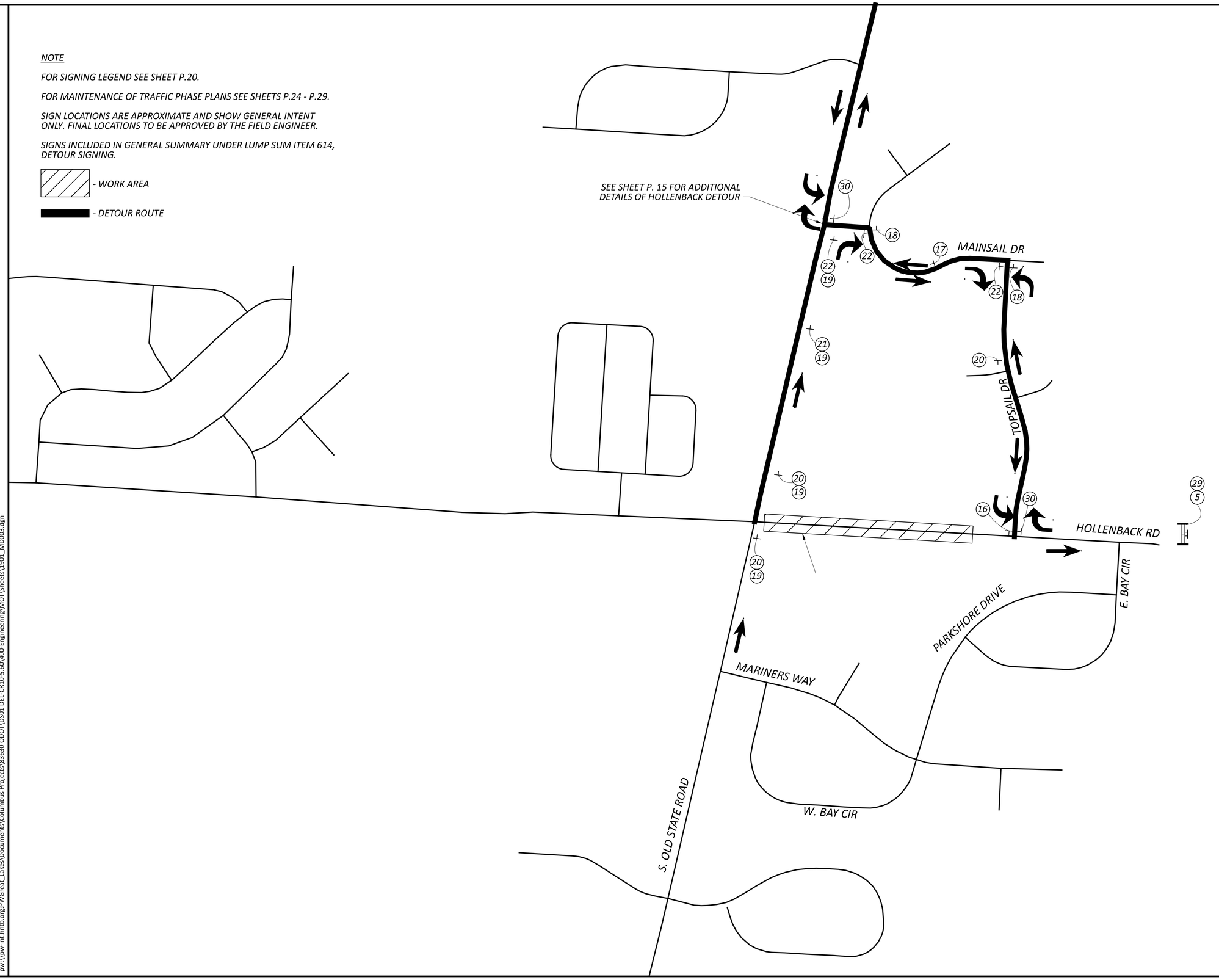
FOR MAINTENANCE OF TRAFFIC PHASE PLANS SEE SHEETS P.24 - P.29.

SIGN LOCATIONS ARE APPROXIMATE AND SHOW GENERAL INTENT ONLY. FINAL LOCATIONS TO BE APPROVED BY THE FIELD ENGINEER.

SIGNS INCLUDED IN GENERAL SUMMARY UNDER LUMP SUM ITEM 614, DETOUR SIGNING.

- WORK AREA

- DETOUR ROUTE



HORIZONTAL SCALE IN FEET
0 125 250 500

DETOUR PLAN - PHASE 1A/1B
MARINA

DESIGN AGENCY
HNTB

DESIGNER: CRC
REVIEWER: MTD 08/01/24
PROJECT ID: 1901
SHEET: P.16 TOTAL: P.157

DEL-CR10-5.60

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NOTE

FOR SIGNING LEGEND SEE SHEET P.20.

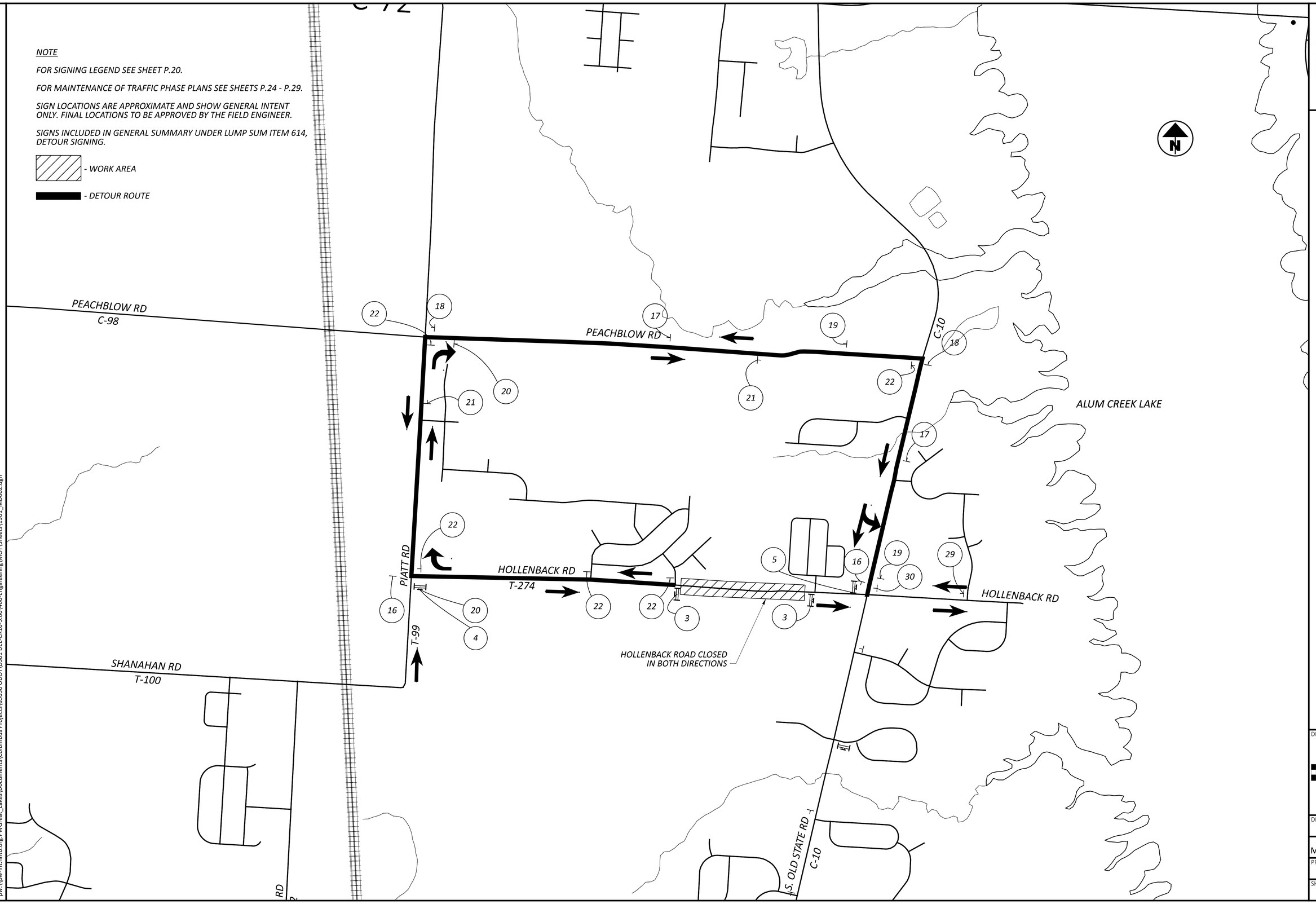
FOR MAINTENANCE OF TRAFFIC PHASE PLANS SEE SHEETS P.24 - P.29.

SIGN LOCATIONS ARE APPROXIMATE AND SHOW GENERAL INTENT ONLY. FINAL LOCATIONS TO BE APPROVED BY THE FIELD ENGINEER.

SIGNS INCLUDED IN GENERAL SUMMARY UNDER LUMP SUM ITEM 614, DETOUR SIGNING.

- WORK AREA

- DETOUR ROUTE



HORIZONTAL SCALE IN FEET
0 ---NA--- ---NA---

DETOUR PLAN - PHASE 1C
HOLLENBACK WEST

DESIGN AGENCY
HNTB

DESIGNER CRC
REVIEWER MTD 08/01/24
PROJECT ID 1901
SHEET P.17 TOTAL P.157

DEL-CR10-5.60

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NOTE

FOR SIGNING LEGEND SEE SHEET P.20.

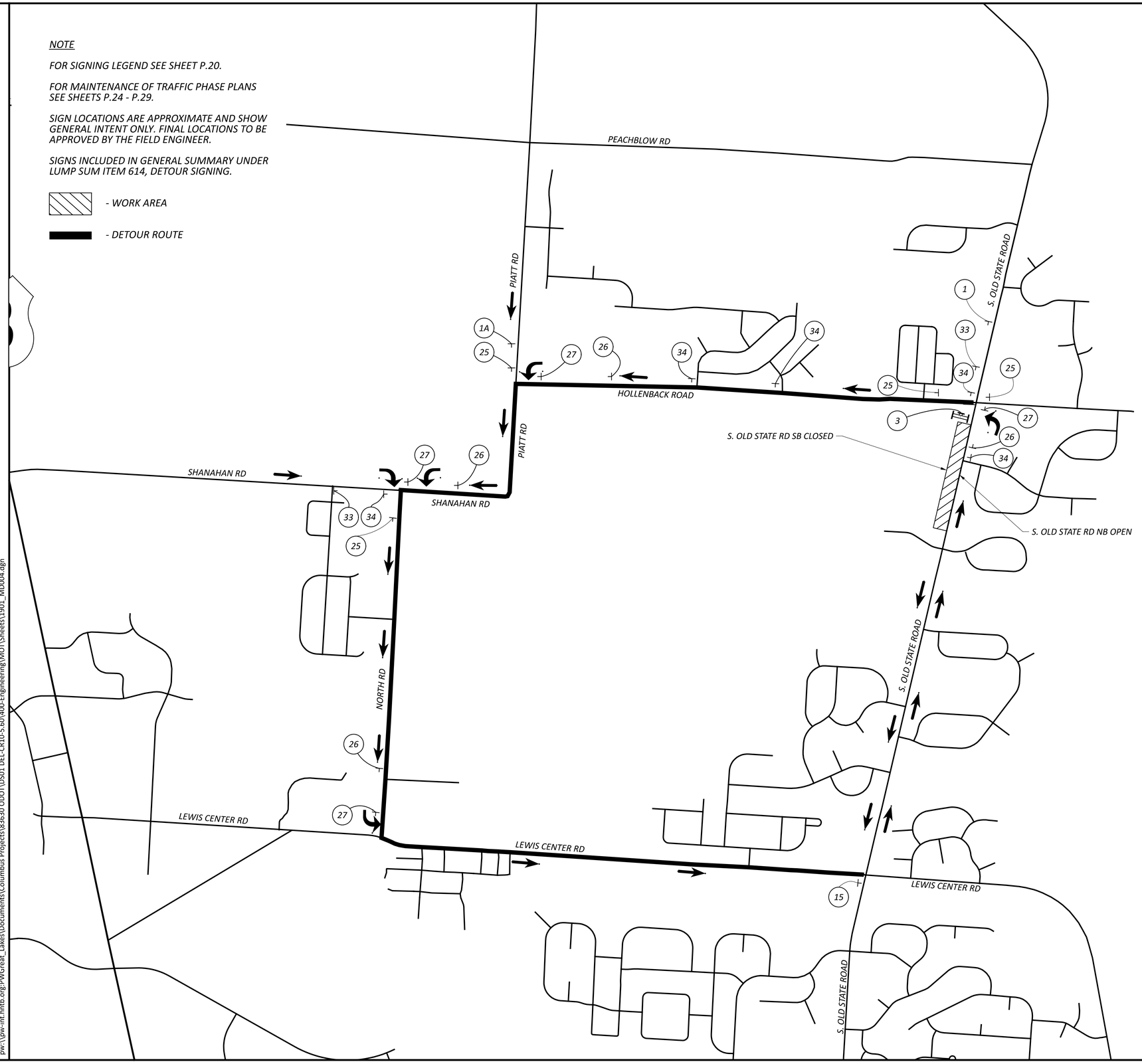
FOR MAINTENANCE OF TRAFFIC PHASE PLANS SEE SHEETS P.24 - P.29.

SIGN LOCATIONS ARE APPROXIMATE AND SHOW GENERAL INTENT ONLY. FINAL LOCATIONS TO BE APPROVED BY THE FIELD ENGINEER.

SIGNS INCLUDED IN GENERAL SUMMARY UNDER LUMP SUM ITEM 614, DETOUR SIGNING.

- WORK AREA

- DETOUR ROUTE



HORIZONTAL SCALE IN FEET
0 350 700 1400

DETOUR PLAN - PHASE 2A
SB S. OLD STATE ROAD

DESIGN AGENCY
HNTB

DESIGNER
NRE

REVIEWER
MTD 01/29/25

PROJECT ID
1901

SHEET P.18 | TOTAL P.157

DEL-CR10-5.60

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NOTE

FOR SIGNING LEGEND SEE SHEET P.20.

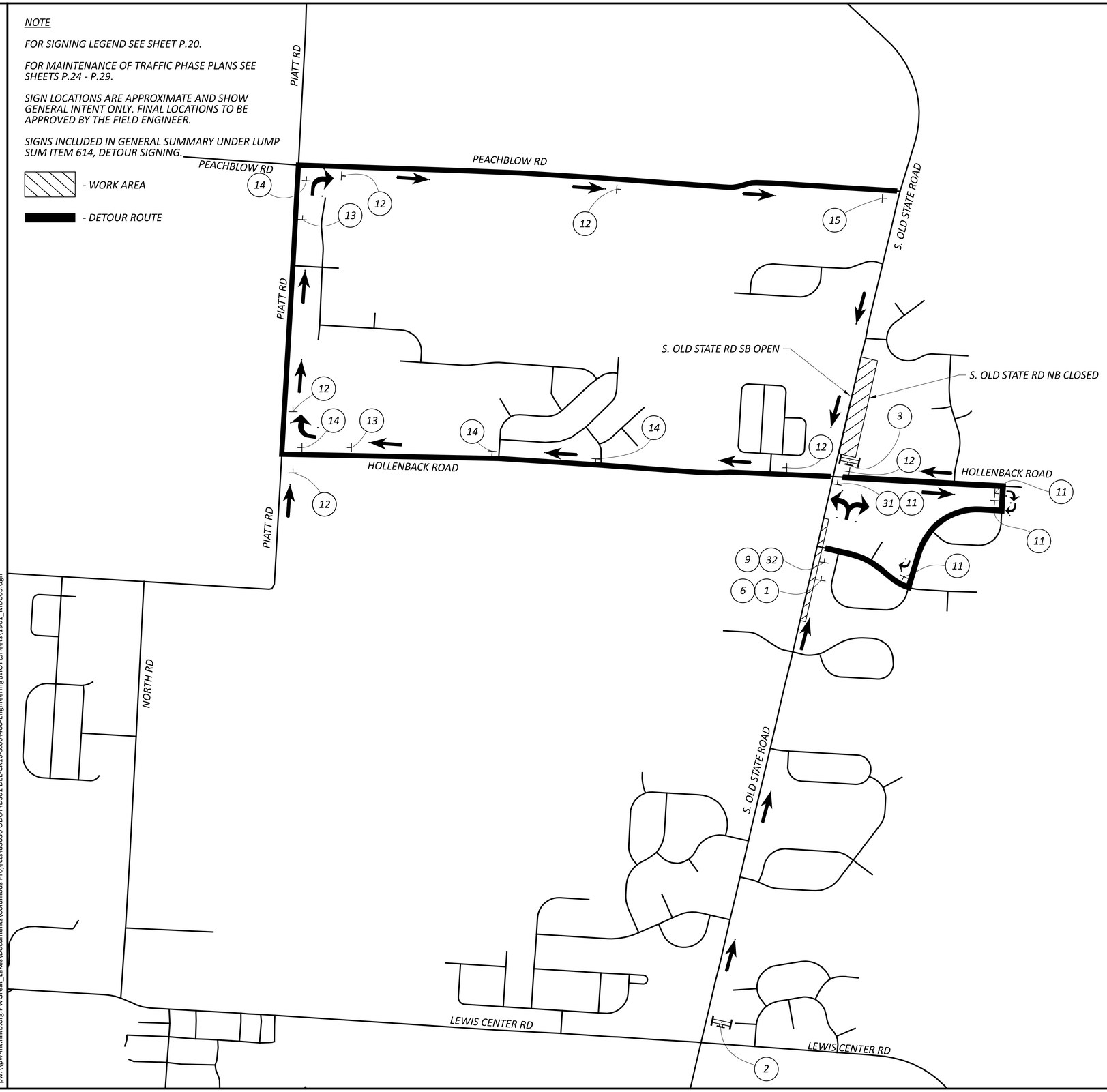
FOR MAINTENANCE OF TRAFFIC PHASE PLANS SEE SHEETS P.24 - P.29.

SIGN LOCATIONS ARE APPROXIMATE AND SHOW GENERAL INTENT ONLY. FINAL LOCATIONS TO BE APPROVED BY THE FIELD ENGINEER.

SIGNS INCLUDED IN GENERAL SUMMARY UNDER LUMP SUM ITEM 614, DETOUR SIGNING.

- WORK AREA

- DETOUR ROUTE



HORIZONTAL SCALE IN FEET
0 300 600 1200

C-21

DETOUR PLAN - PHASE 2B
NB S. OLD STATE ROAD

DESIGN AGENCY
HNTB

DESIGNER NRE
REVIEWER MTD 01/29/25
PROJECT ID 1901
SHEET P.19 TOTAL P.159

DEL-CR10-5.60

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1

W20-3-36

1A

W20-2-36

2

R11-3a-60

3

R11-2-48

MOUNTED ON TYPE III BARRICADE WITH TYPE B FLASHING YELLOW LIGHTS

4

R11-3a-60

M4-10L-48

MOUNTED ON TYPE III BARRICADE WITH TYPE B FLASHING YELLOW LIGHTS

5

R11-3a-60

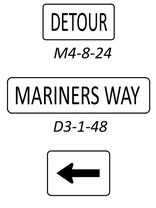
M4-10R-48

MOUNTED ON TYPE III BARRICADE WITH TYPE B FLASHING YELLOW LIGHTS

6

W20-2-36

7

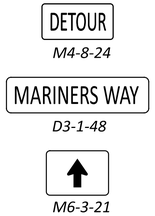


M6-1-21

8

M5-1-21

9



M6-3-21

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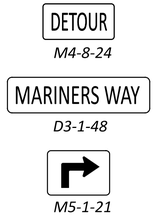

M5-1-21

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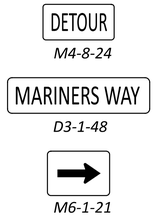

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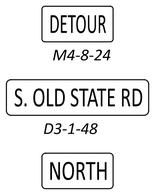

M3-1-24

M6-3-21

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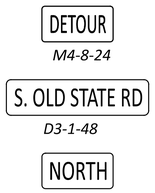

M3-1-24

M5-1-21

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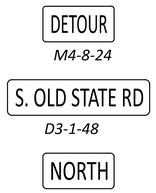

M3-1-24

M6-1-21

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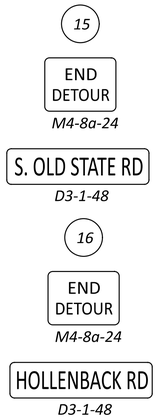

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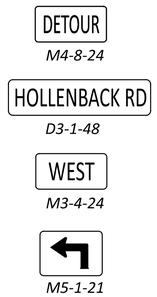

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M5-1-21

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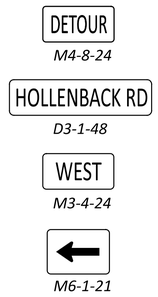

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M6-1-21

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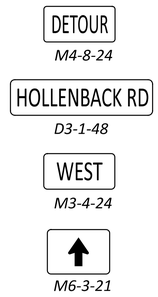

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M6-3-21

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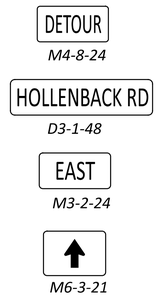

M3-2-24

M6-3-21

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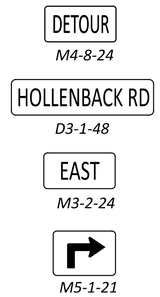

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M5-1-21

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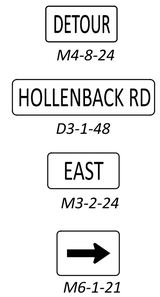

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M6-1-21

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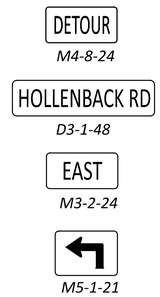
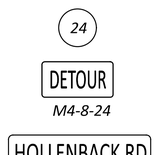


M3-2-24

M5-1-21

24



M3-2-24

M6-1-21

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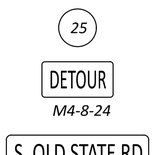

M3-3-24

M6-3-21

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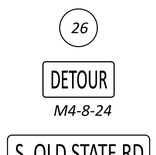

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M5-1-21

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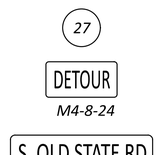
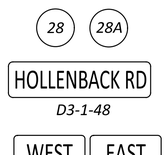


M3-3-24

M6-1-21

28 28A



M3-4-24

W20-2-36

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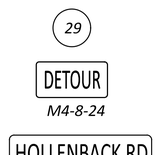

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M5-1-21

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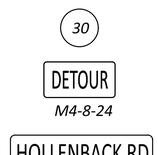

M3-4-24

M6-1-21

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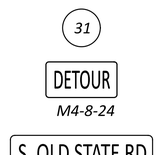

M3-1-24

M6-1-21

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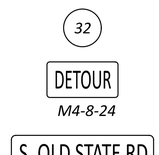

M3-1-24

M5-1-21

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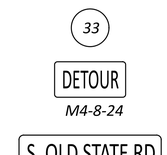

M3-3-24

M6-1-21

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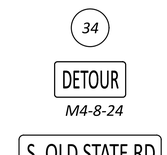

M3-3-24

M5-1-21

DETOUR PLAN
SIGNING LEGEND

DEL-CR10-5.60

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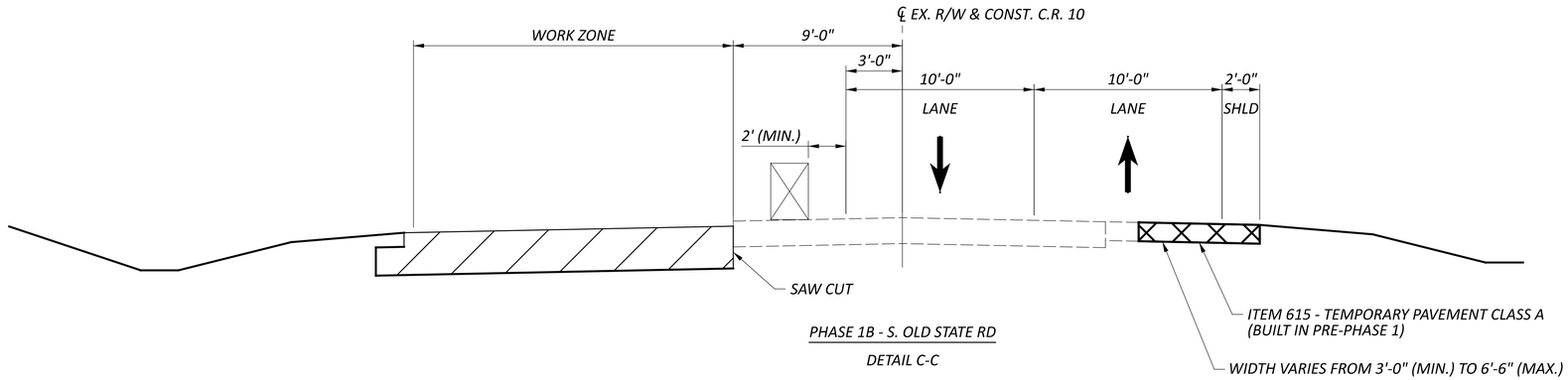
DESIGN AGENCY
HNTB

DESIGNER
CRC

REVIEWER
MTD 08/01/24

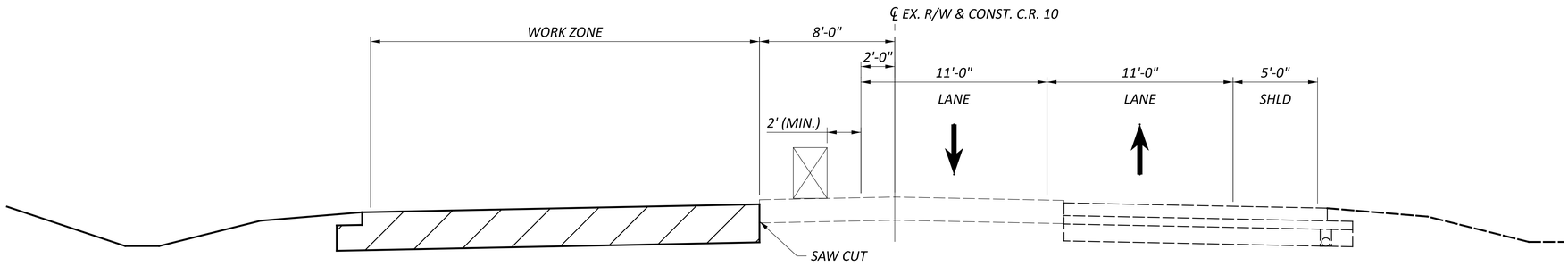
PROJECT ID
1901

SHEET P.20 TOTAL P.159



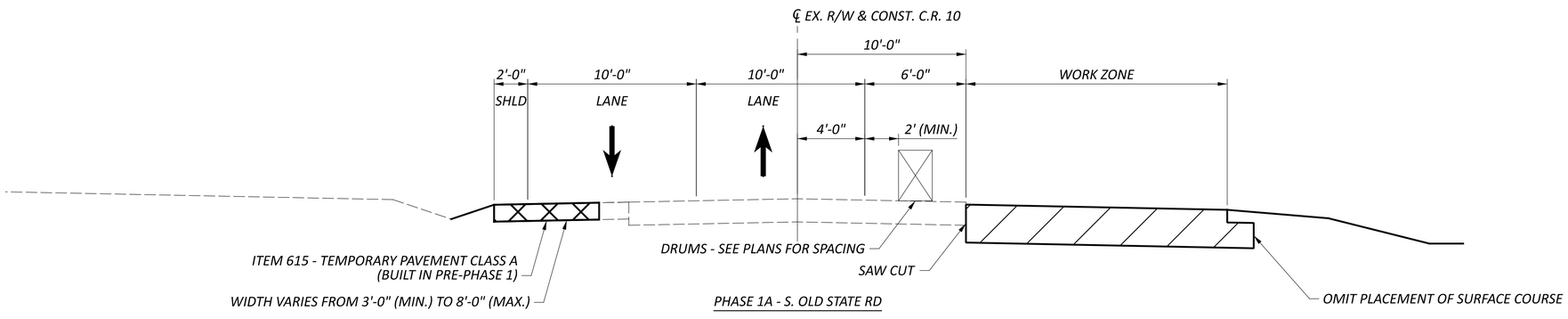
PHASE 1B - S. OLD STATE RD

DETAIL C-C



PHASE 1B - S. OLD STATE RD

DETAIL B-B



PHASE 1A - S. OLD STATE RD

DETAIL A-A

NOTES:

1.) TEMPORARY PAVEMENT WIDTH TO BE A MINIMUM OF 3'-0" FROM THE EX. EOP OR 2'-0" FROM THE EDGE OF THE ADJACENT TRAVEL LANE, WHICH EVER IS GREATER.
2.) TEMPORARY GRADING NOT TO EXCEDD 3:1. DITCH BOTTOM ELEVATION SHOULD BE SUCH THAT POSITIVE DRAINAGE IS MAINTAINED THROUGH OUT THE PROJECT.

MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS

DESIGN AGENCY

HNTB

DESIGNER CRC

REVIEWER MD 08/01/24

PROJECT ID 1901

SHEET P.21 TOTAL P.157

DEL-CR10-5.60

MODEL: Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:09:38 AM USER: asingleton
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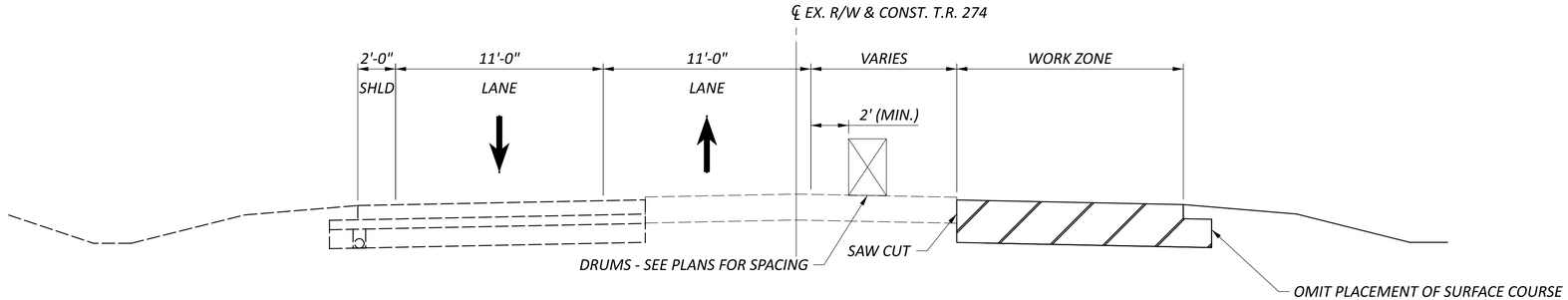
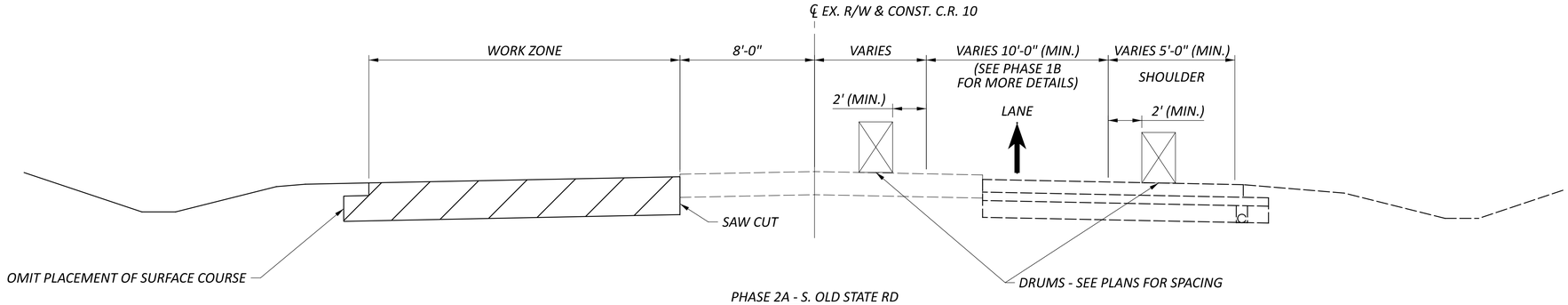


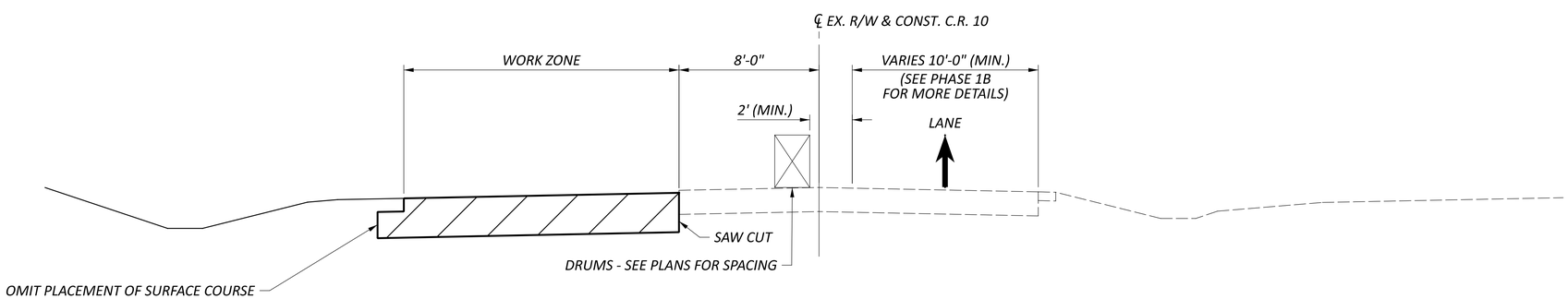
PHASE 2B - S. OLD STATE RD

DETAIL F-F



PHASE 2A - S. OLD STATE RD

DETAIL E-E



PHASE 2A - S. OLD STATE RD

DETAIL D-D

NOTES:

1.) TEMPORARY PAVEMENT WIDTH TO BE A MINIMUM OF 3'-0" FROM THE EX. EOP OR 2'-0" FROM THE EDGE OF THE ADJACENT TRAVEL LANE, WHICH EVER IS GREATER.
2.) TEMPORARY GRADING NOT TO EXCEDD 3:1. DITCH BOTTOM ELEVATION SHOULD BE SUCH THAT POSITIVE DRAINAGE IS MAINTAINED THROUGH OUT THE PROJECT.

MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS

DESIGN AGENCY
HNTB

DESIGNER
CRC

REVIEWER
MD 08/01/24

PROJECT ID
1901

SHEET P.22 | TOTAL P.157

DEL-CR10-5.60

MODEL: Plan 2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:09:38 AM USER: asingleton
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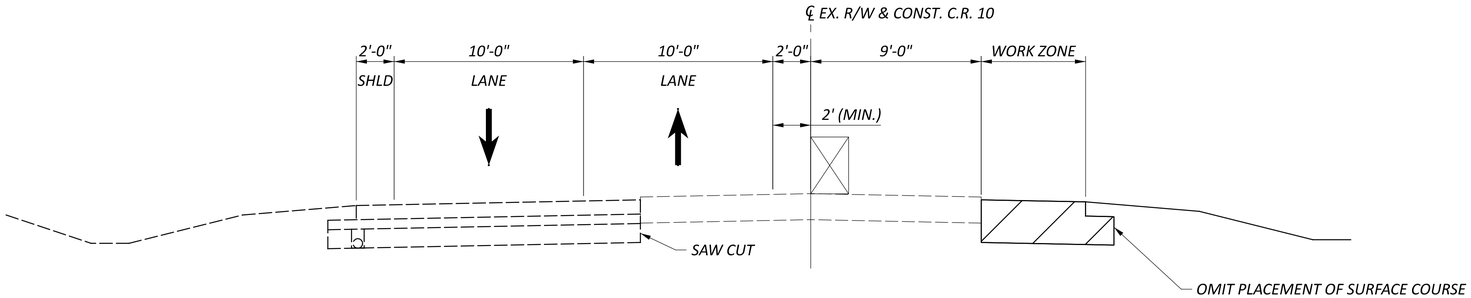
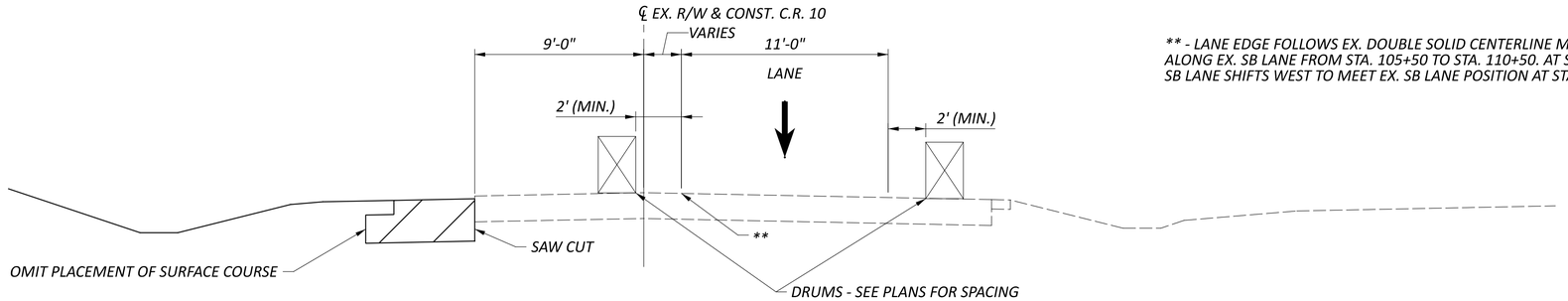


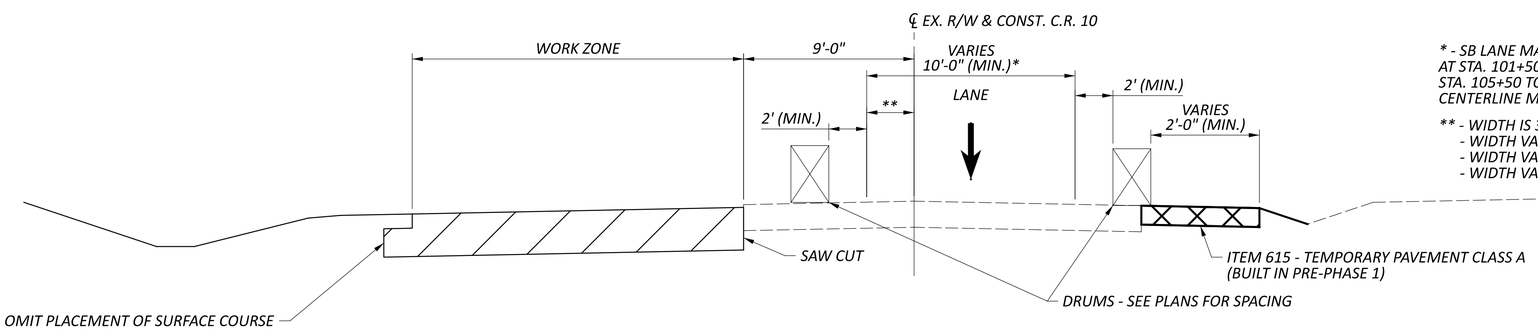
PHASE 2C - S. OLD STATE RD

DETAIL I-I



PHASE 2B - S. OLD STATE RD

DETAIL H-H



PHASE 2B - S. OLD STATE RD

DETAIL G-G

*** - LANE EDGE FOLLOWS EX. DOUBLE SOLID CENTERLINE MARKING ALONG EX. SB LANE FROM STA. 105+50 TO STA. 110+50. AT STA. 110+50 SB LANE SHIFTS WEST TO MEET EX. SB LANE POSITION AT STA. 116+00.*

** - SB LANE MATCHES PREVIOUS PHASE POSITION (1B-2A) UNTIL STA. 101+50. AT STA. 101+50 SB LANE SHIFTS EAST TO FOLLOW EX. NB LANE POSITION FROM STA. 105+50 TO STA. 107+00. AT STA. 107+00 SB LANE THEN FOLLOWS EX. SB CENTERLINE MARKING UNTIL STA. 110+50.*

*** - WIDTH IS 3'-0" LT. FROM STA. 100+60 TO STA. 101+50*
- WIDTH VARIES FROM 3'-0" LT AT STA. 101+50 TO 0'-0" AT STA. 105+50
- WIDTH VARIES FROM 0'-0" AT STA. 105+50 TO 1'-8" RT AT STA. 110+50
- WIDTH VATIES FROM 1'-8" RT AT STA. 110+50 TO 9'-8" LT AT STA. 116+00

NOTES:

1.) TEMPORARY PAVEMENT WIDTH TO BE A MINIMUM OF 3'-0" FROM THE EX. EOP OR 2'-0" FROM THE EDGE OF THE ADJACENT TRAVEL LANE, WHICH EVER IS GREATER.
2.) TEMPORARY GRADING NOT TO EXCEDD 3:1. DITCH BOTTOM ELEVATION SHOULD BE SUCH THAT POSITIVE DRAINAGE IS MAINTAINED THROUGH OUT THE PROJECT.

MAINTENANCE OF TRAFFIC TYPICAL SECTIONS

DEL-CR10-5.60

MODEL: Unnamed Plan-2 - Plan 3 (Sheet) PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:09:38 AM USER: asingleton
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DESIGN AGENCY

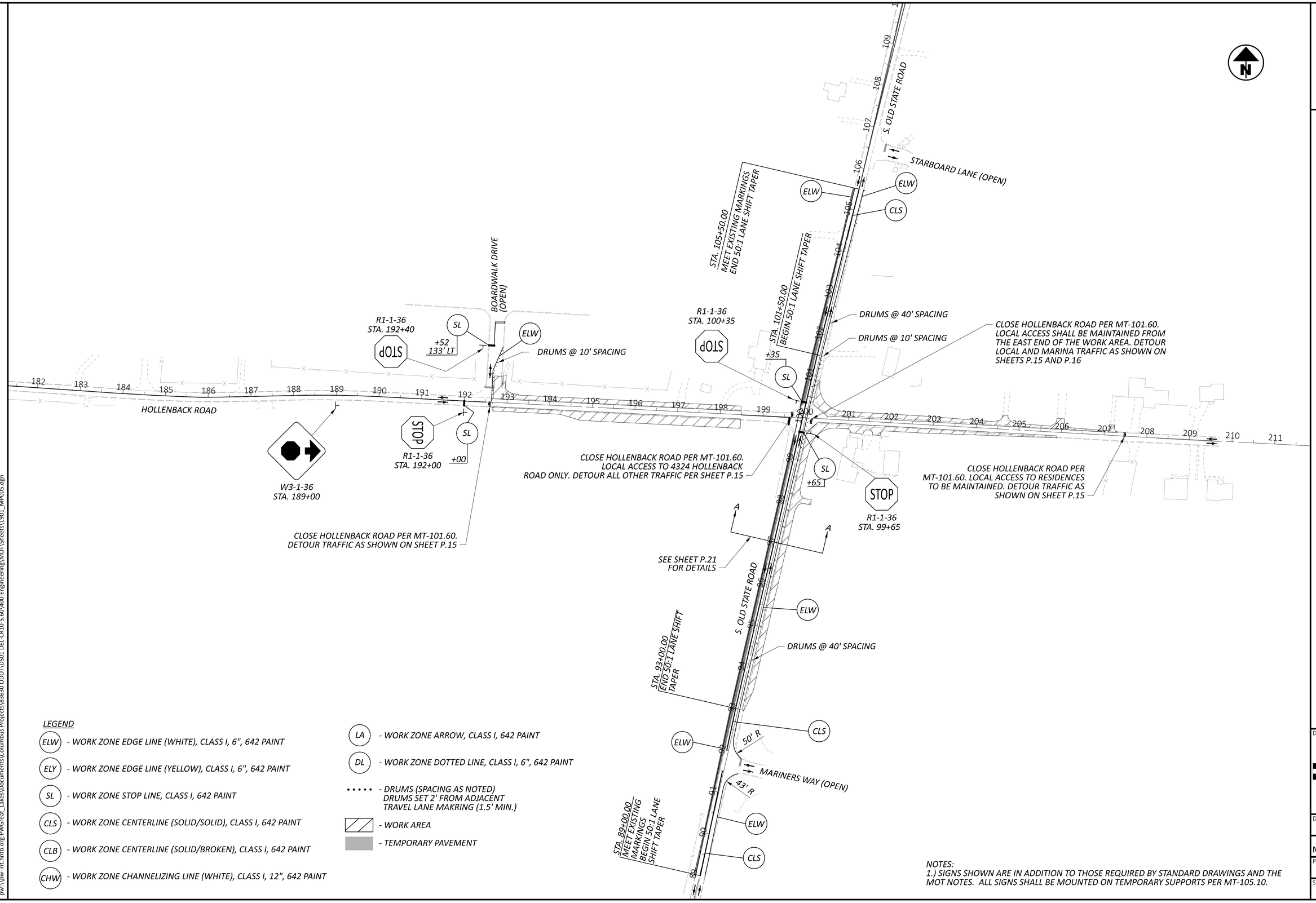
HNTB

DESIGNER CRC

REVIEWER MTD 08/01/24

PROJECT ID 1901

SHEET P.23 TOTAL P.157



LEGEND

- ELW - *WORK ZONE EDGE LINE (WHITE), CLASS I, 6", 642 PAINT*
- ELY - *WORK ZONE EDGE LINE (YELLOW), CLASS I, 6", 642 PAINT*
- SL - *WORK ZONE STOP LINE, CLASS I, 642 PAINT*
- CLS - *WORK ZONE CENTERLINE (SOLID/SOLID), CLASS I, 642 PAINT*
- CLB - *WORK ZONE CENTERLINE (SOLID/BROKEN), CLASS I, 642 PAINT*
- CHW - *WORK ZONE CHANNELIZING LINE (WHITE), CLASS I, 12", 642 PAINT*
- LA - *WORK ZONE ARROW, CLASS I, 642 PAINT*
- DL - *WORK ZONE DOTTED LINE, CLASS I, 6", 642 PAINT*
- ••••• - *DRUMS (SPACING AS NOTED) DRUMS SET 2' FROM ADJACENT TRAVEL LANE MAKRING (1.5' MIN.)*
- *WORK AREA*
- *TEMPORARY PAVEMENT*

NOTES:
1.) SIGNS SHOWN ARE IN addition TO THOSE REQUIRED BY STANDARD DRAWINGS AND THE MOT NOTES. ALL SIGNS SHALL BE MOUNTED ON TEMPORARY SUPPORTS PER MT-105.10.

DEL-CR10-5.60

MODEL: Unnamed Plan - Plan 2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:09:43 AM USER: asingleton
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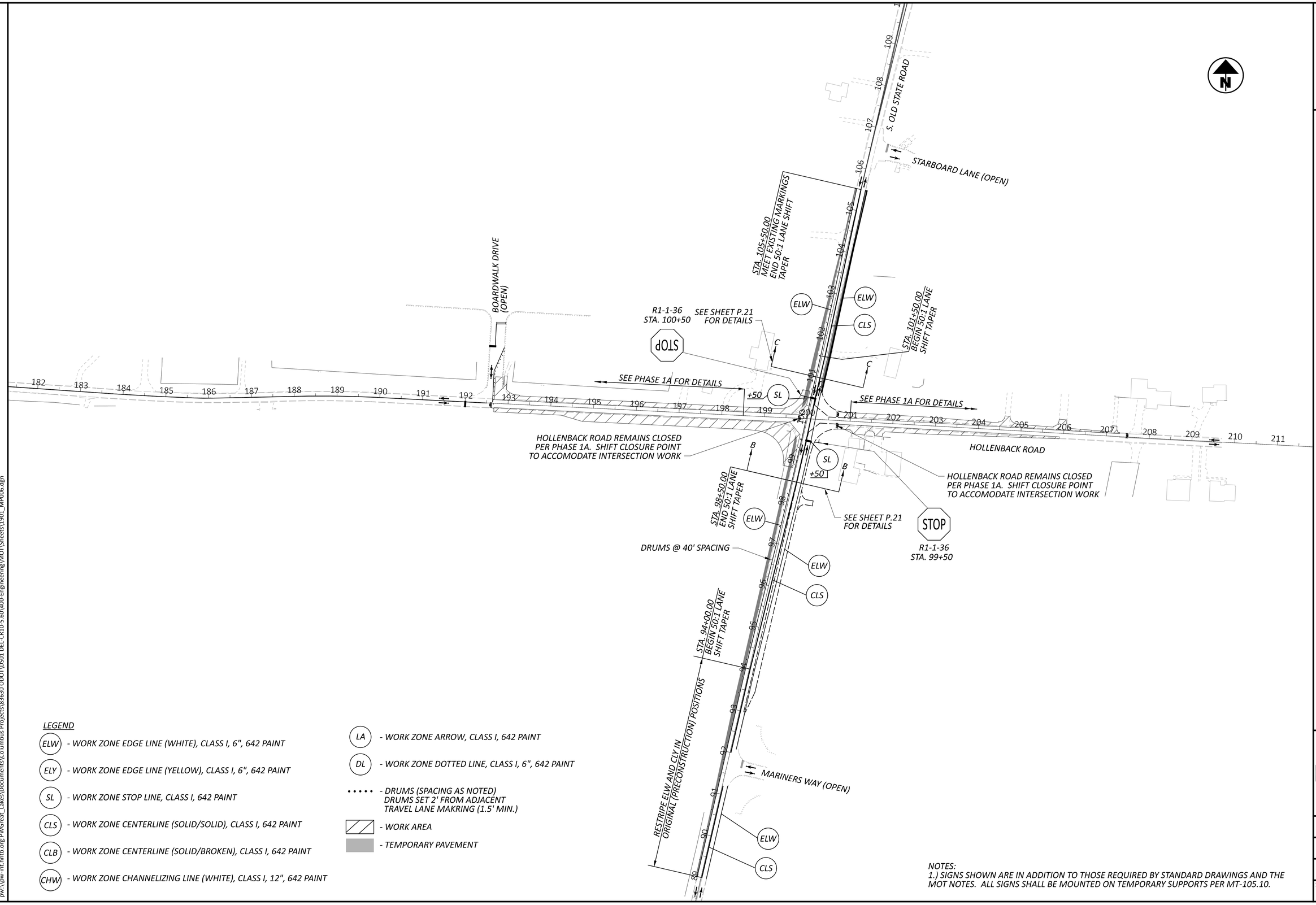
MAINTENANCE OF TRAFFIC PHASE 1A

DESIGN AGENCY
HNTB

DESIGNER MTD
REVIEWER MTR 08/01/24
PROJECT ID 1901
SHEET P.24 TOTAL P.157



LEGEND

- ELW - WORK ZONE EDGE LINE (WHITE), CLASS I, 6", 642 PAINT
- ELY - WORK ZONE EDGE LINE (YELLOW), CLASS I, 6", 642 PAINT
- SL - WORK ZONE STOP LINE, CLASS I 642 PAINT
- CLS - WORK ZONE CENTERLINE (SOLID/SOLID), CLASS I, 642 PAINT
- CLB - WORK ZONE CENTERLINE (SOLID/BROKEN), CLASS I, 642 PAINT
- CHW - WORK ZONE CHANNELIZING LINE (WHITE), CLASS I, 12", 642 PAINT
- LA - WORK ZONE ARROW, CLASS I, 642 PAINT
- DL - WORK ZONE DOTTED LINE, CLASS I, 6", 642 PAINT
- ••••• - DRUMS (SPACING AS NOTED) DRUMS SET 2' FROM ADJACENT TRAVEL LANE MAKRING (1.5' MIN.)
- WORK AREA
- TEMPORARY PAVEMENT

HORIZONTAL SCALE IN FEET
0 50 100 200

MAINTENANCE OF TRAFFIC PHASE 1B

DEL-CR10-5.60

MODEL: Unnamed Plan - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:09:48 AM USER: asingleton
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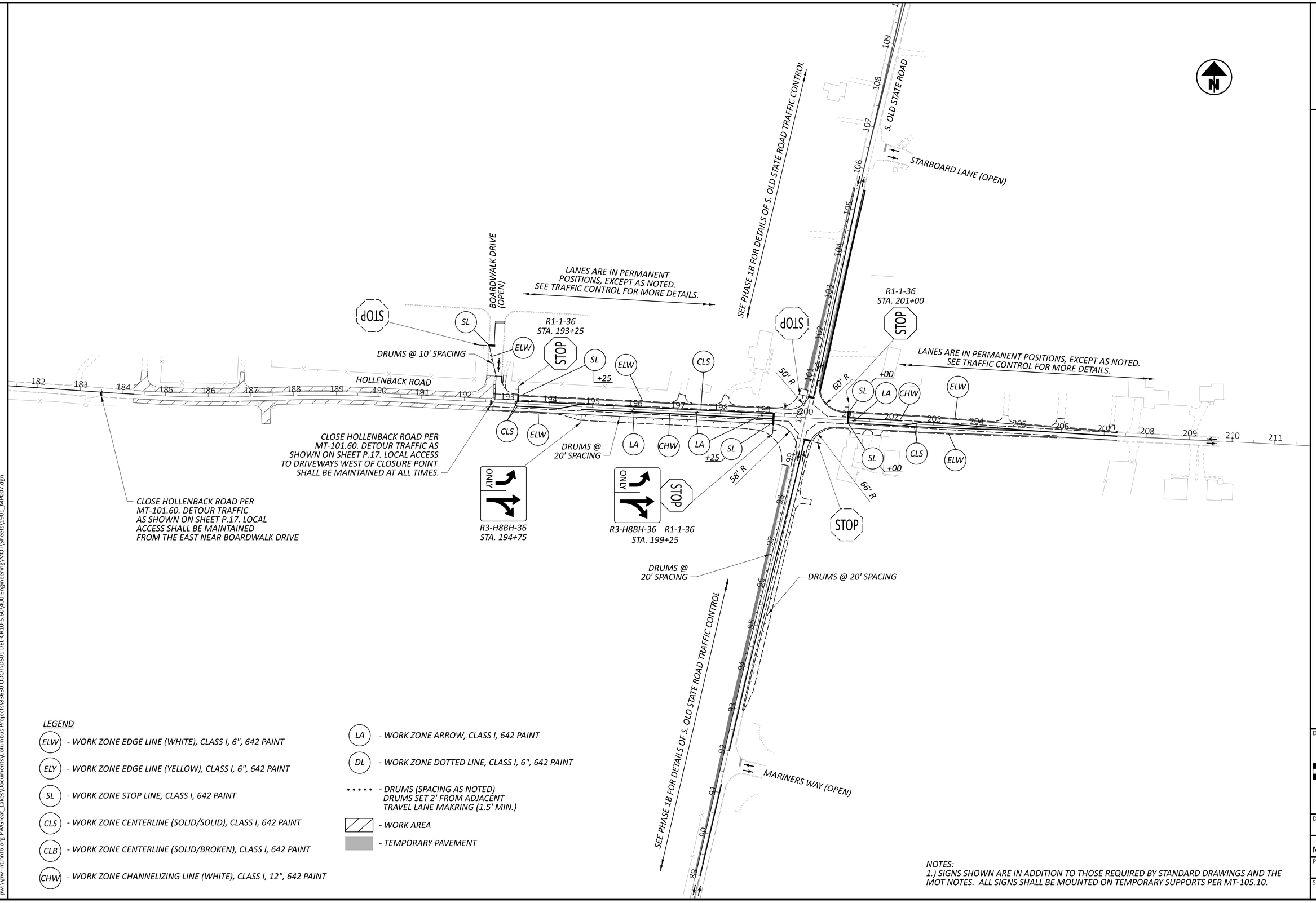
DESIGN AGENCY
HNTB

DESIGNER	MTD
REVIEWER	MTR 08/01/24
PROJECT ID	1901
SHEET	P.25
TOTAL	P.157



LEGEND

- ELW - WORK ZONE EDGE LINE (WHITE), CLASS I, 6", 642 PAINT
- ELY - WORK ZONE EDGE LINE (YELLOW), CLASS I, 6", 642 PAINT
- SL - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- CLS - WORK ZONE CENTERLINE (SOLID/SOLID), CLASS I, 642 PAINT
- CLB - WORK ZONE CENTERLINE (SOLID/BROKEN), CLASS I, 642 PAINT
- CHW - WORK ZONE CHANNELIZING LINE (WHITE), CLASS I, 12", 642 PAINT
- LA - WORK ZONE ARROW, CLASS I, 642 PAINT
- DL - WORK ZONE DOTTED LINE, CLASS I, 6", 642 PAINT
- ••••• - DRUMS (SPACING AS NOTED) DRUMS SET 2' FROM ADJACENT TRAVEL LANE MAKRING (1.5' MIN.)
- - WORK AREA
- - TEMPORARY PAVEMENT

NOTES:
1.) SIGNS SHOWN ARE IN addition TO THOSE REQUIRED BY STANDARD DRAWINGS AND THE MOT NOTES. ALL SIGNS SHALL BE MOUNTED ON TEMPORARY SUPPORTS PER MT-105.10.

HORIZONTAL SCALE IN FEET
0 50 100 200

MAINTENANCE OF TRAFFIC PHASE 1C

DEL-CR10-5.60

MODEL: Unnamed Plan - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:09:53 AM USER: asingleton
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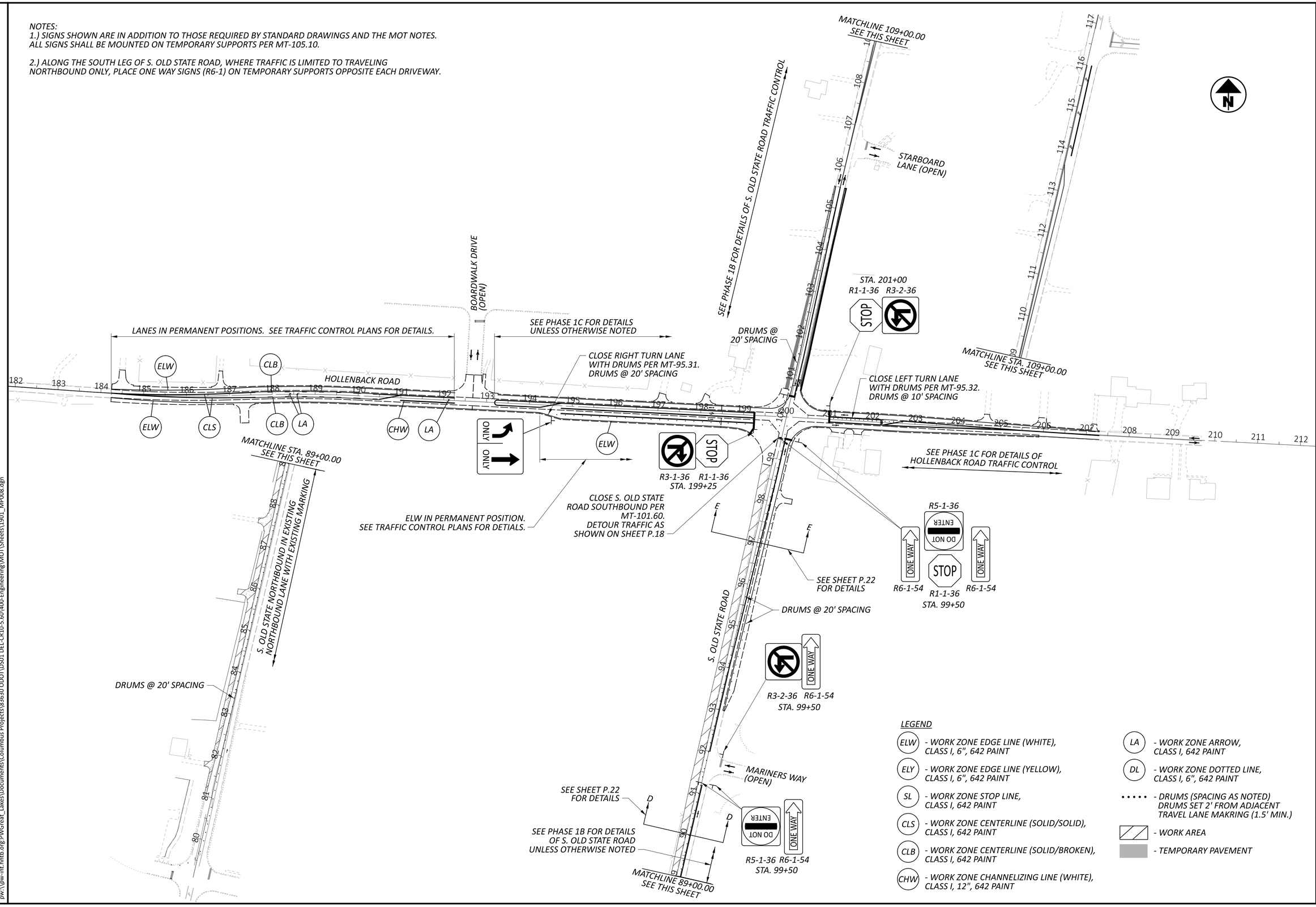
DESIGN AGENCY
HNTB

DESIGNER MTD
REVIEWER MTR 08/01/24
PROJECT ID 1901
SHEET P.26 TOTAL P.157

NOTES:
1.) SIGNS SHOWN ARE IN ADDITION TO THOSE REQUIRED BY STANDARD DRAWINGS AND THE MOT NOTES. ALL SIGNS SHALL BE MOUNTED ON TEMPORARY SUPPORTS PER MT-105.10.

2.) ALONG THE SOUTH LEG OF S. OLD STATE ROAD, WHERE TRAFFIC IS LIMITED TO TRAVELING NORTHBOUND ONLY, PLACE ONE WAY SIGNS (R6-1) ON TEMPORARY SUPPORTS OPPOSITE EACH DRIVEWAY.



LEGEND

- ELW - WORK ZONE EDGE LINE (WHITE), CLASS I, 6", 642 PAINT
- ELY - WORK ZONE EDGE LINE (YELLOW), CLASS I, 6", 642 PAINT
- SL - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- CLS - WORK ZONE CENTERLINE (SOLID/SOLID), CLASS I, 642 PAINT
- CLB - WORK ZONE CENTERLINE (SOLID/BROKEN), CLASS I, 642 PAINT
- CHW - WORK ZONE CHANNELIZING LINE (WHITE), CLASS I, 12", 642 PAINT
- LA - WORK ZONE ARROW, CLASS I, 642 PAINT
- DL - WORK ZONE DOTTED LINE, CLASS I, 6", 642 PAINT
- ••••• - DRUMS (SPACING AS NOTED) DRUMS SET 2' FROM ADJACENT TRAVEL LANE MAKRING (1.5' MIN.)
- WORK AREA
- TEMPORARY PAVEMENT

HORIZONTAL SCALE IN FEET
0 50 100 200

MAINTENANCE OF TRAFFIC PHASE 2A

DESIGN AGENCY
HNTB

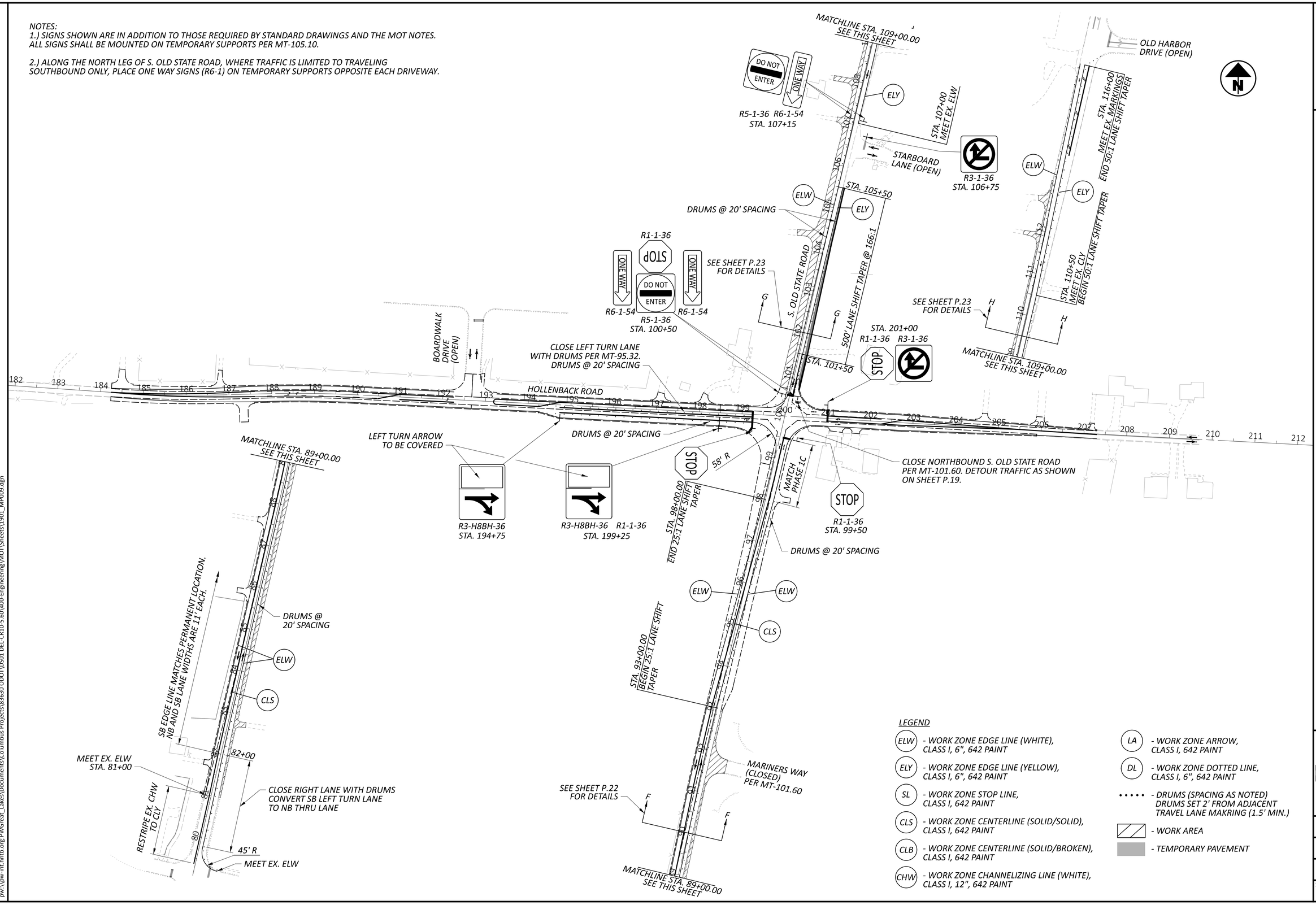
DESIGNER MTD
REVIEWER MTR 08/01/24
PROJECT ID 1901
SHEET P.27 TOTAL P.157

DEL-CR10-5.60

MODEL: Unnamed Plan - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:09:57 AM USER: asingleton
pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Columbus Projects\83630 ODOT\DS01 DEL-CR10-5.60\400-Engineering\MOT\Sheets\1901_MP008.dgn

NOTES:
1.) SIGNS SHOWN ARE IN addition TO THOSE REQUIRED BY STANDARD DRAWINGS AND THE MOT NOTES. ALL SIGNS SHALL BE MOUNTED ON TEMPORARY SUPPORTS PER MT-105.10.

2.) ALONG THE NORTH LEG OF S. OLD STATE ROAD, WHERE TRAFFIC IS LIMITED TO TRAVELING SOUTHBOUND ONLY, PLACE ONE WAY SIGNS (R6-1) ON TEMPORARY SUPPORTS OPPOSITE EACH DRIVEWAY.



HORIZONTAL SCALE IN FEET
0 50 100 200

MAINTENANCE OF TRAFFIC PHASE 2B

LEGEND

- ELW - WORK ZONE EDGE LINE (WHITE), CLASS I, 6", 642 PAINT
- ELY - WORK ZONE EDGE LINE (YELLOW), CLASS I, 6", 642 PAINT
- SL - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- CLS - WORK ZONE CENTERLINE (SOLID/SOLID), CLASS I, 642 PAINT
- CLB - WORK ZONE CENTERLINE (SOLID/BROKEN), CLASS I, 642 PAINT
- CHW - WORK ZONE CHANNELIZING LINE (WHITE), CLASS I, 12", 642 PAINT
- LA - WORK ZONE ARROW, CLASS I, 642 PAINT
- DL - WORK ZONE DOTTED LINE, CLASS I, 6", 642 PAINT
- ••••• - DRUMS (SPACING AS NOTED) DRUMS SET 2' FROM ADJACENT TRAVEL LANE MAKRING (1.5' MIN.)
- - WORK AREA
- - TEMPORARY PAVEMENT

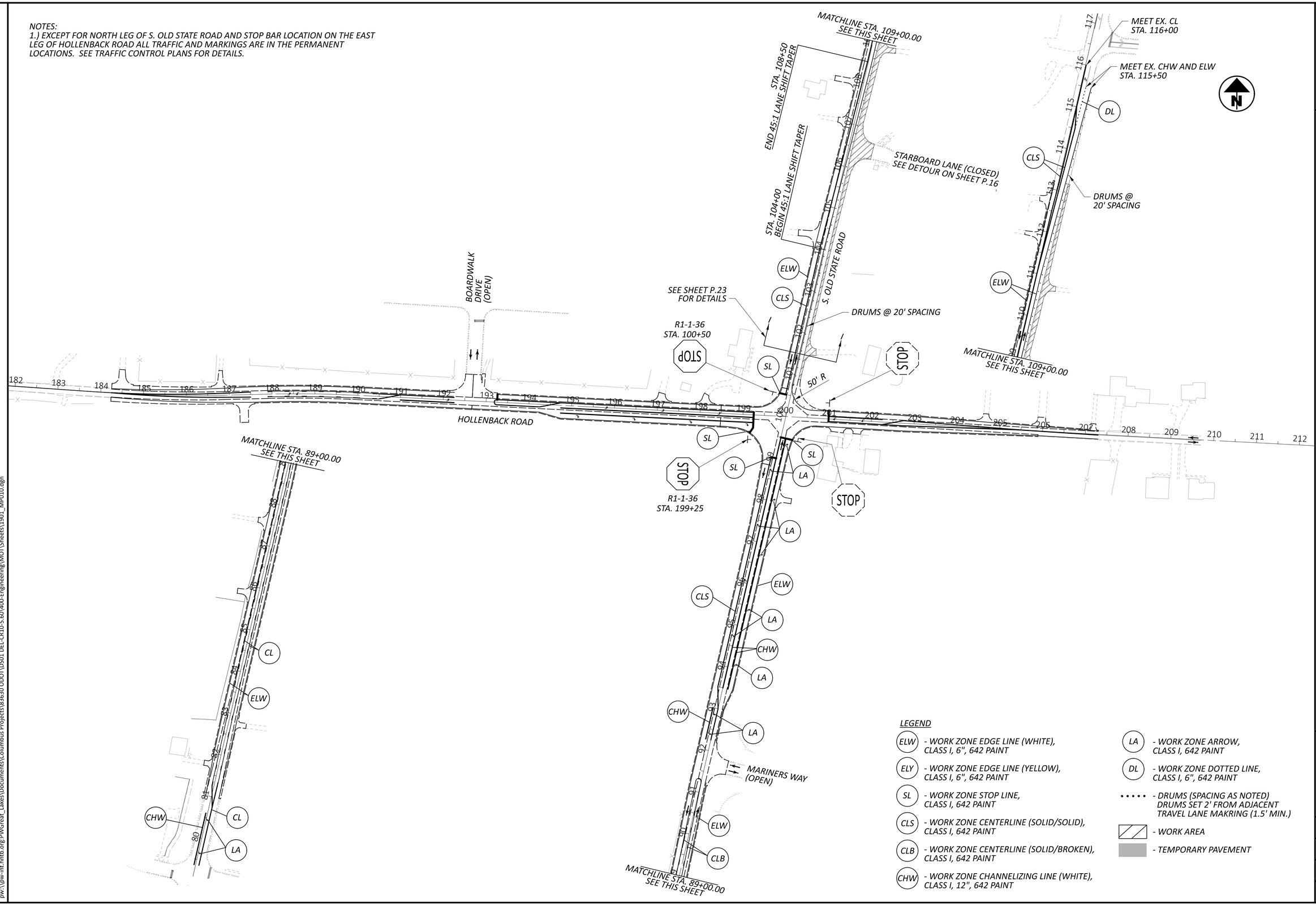
DESIGN AGENCY
HNTB

DESIGNER MTD
REVIEWER MTR 08/01/24
PROJECT ID 1901
SHEET P.28 TOTAL P.157

DEL-CR10-5.60

MODEL: Unnamed Plan - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:10:02 AM USER: asingleton
pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Columbus Projects\83630 ODOT\DS01 DEL-CR10-5.60\400-Engineering\MOT\Sheets\1901_MP009.dgn

NOTES:
1.) EXCEPT FOR NORTH LEG OF S. OLD STATE ROAD AND STOP BAR LOCATION ON THE EAST LEG OF HOLLENBACK ROAD ALL TRAFFIC AND MARKINGS ARE IN THE PERMANENT LOCATIONS. SEE TRAFFIC CONTROL PLANS FOR DETAILS.



LEGEND

ELW - WORK ZONE EDGE LINE (WHITE), CLASS I, 6", 642 PAINT	LA - WORK ZONE ARROW, CLASS I, 642 PAINT
ELY - WORK ZONE EDGE LINE (YELLOW), CLASS I, 6", 642 PAINT	DL - WORK ZONE DOTTED LINE, CLASS I, 6", 642 PAINT
SL - WORK ZONE STOP LINE, CLASS I, 642 PAINT	••••• - DRUMS (SPACING AS NOTED) DRUMS SET 2' FROM ADJACENT TRAVEL LANE MAKRING (1.5' MIN.)
CLS - WORK ZONE CENTERLINE (SOLID/SOLID), CLASS I, 642 PAINT	- WORK AREA
CLB - WORK ZONE CENTERLINE (SOLID/BROKEN), CLASS I, 642 PAINT	- TEMPORARY PAVEMENT
CHW - WORK ZONE CHANNELIZING LINE (WHITE), CLASS I, 12", 642 PAINT	

HORIZONTAL SCALE IN FEET
0 50 100 200

MAINTENANCE OF TRAFFIC PHASE 2C

DEL-CR10-5.60

MODEL: Unnamed Plan - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:10:07 AM USER: asingleton
pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Columbus Projects\83630 ODOT\DS01 DEL-CR10-5.60\400-Engineering\MOT\Sheets\1901_MP010.dgn

DESIGN AGENCY
HNTB

DESIGNER MTD
REVIEWER MTR 08/01/24
PROJECT ID 1901
SHEET P.29 TOTAL P.157

ROAD	DIR.	BEGIN STA.	END STA.	614							642																
				WORK ZONE CENTER LINE, CLASS I, 642 PAINT	WORK ZONE EDGE LINE (WHITE), CLASS I, 6", 642 PAINT	WORK ZONE EDGE LINE (YELLOW), CLASS I, 6", 642 PAINT	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 642 PAINT	WORK ZONE DOTTED LINE, CLASS I, 6", 642 PAINT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	WORK ZONE ARROW, CLASS I, 642 PAINT	REMOVAL OF PAVEMENT MARKING	MARKING TO BE REMOVED														
				MILE	MILE	MILE	FT	FT	FT	EACH	FT																
PHASE 1A																											
S. OLD STATE RD	SB	89+00	105+50		0.31																						
S. OLD STATE RD	NB/SB	89+00	105+50	0.31																							
S. OLD STATE RD	NB	89+00	105+50		0.31																						
S. OLD STATE RD	NB	99+65	-						11																		
S. OLD STATE RD	SB	100+35	-						10																		
HOLLENBACK RD	EB	192+00	-						10																		
BOARDWALK DR	NB/SB	-	-		0.04				12																		
EX. PAVEMENT MARKING REMOVAL- PHASE 1A																											
S. OLD STATE RD	SB	89+00	105+50								1592	ELW															
S. OLD STATE RD	SB	89+00	105+50								1523	CLY															
S. OLD STATE RD	SB	89+00	93+00								312	ELW															
S. OLD STATE RD	NB	99+62	-								12	SL															
S. OLD STATE RD	SB	100+33	-								12	SL															
BOARDWALK DR	NB/SB	-	-								20	SL															
PHASE 1A SUBTOTALS CARRIED TO SHEET P.31				0.31	0.66				43		3471																
PHASE 1B																											
S. OLD STATE RD	SB	89+00	105+50		0.31																						
S. OLD STATE RD	NB/SB	89+00	105+50	0.31																							
S. OLD STATE RD	NB	89+00	105+50		0.31																						
S. OLD STATE RD	NB	99+50	-						11																		
S. OLD STATE RD	SB	100+50	-						10																		
EX. PAVEMENT MARKING REMOVAL- PHASE 1B																											
S. OLD STATE RD	SB	100+92	105+50								459	ELW															
PHASE 1B SUBTOTALS CARRIED TO SHEET P.31				0.31	0.62				21		459																
PHASE 1C																											
HOLLENBACK RD	EB	192+67	207+30		0.29																						
HOLLENBACK RD	EB/WB	193+19	207+30	0.33																							
HOLLENBACK RD	WB	193+25	-						12																		
HOLLENBACK RD	WB	193+26	207+30		0.27																						
HOLLENBACK RD	EB	194+75	199+25				450																				
HOLLENBACK RD	EB	196+00	199+00							3																	
HOLLENBACK RD	EB	199+25	-						24																		
HOLLENBACK RD	WB	200+50	202+25				175																				
HOLLENBACK RD	WB	201+00	-						35																		
HOLLENBACK RD	WB	201+10	-							1																	
BOARDWALK DR	NB/SB	-	-		0.03				12																		
EX. PAVEMENT MARKING REMOVAL- PHASE 1C																											
HOLLENBACK RD	EB/WB	192+70	207+30								1372	CLY															
HOLLENBACK RD	EB	199+62	-								17	SL															
HOLLENBACK RD	WB	200+50	-								12	SL															
PHASE 1C SUBTOTALS CARRIED TO SHEET P.31				0.33	0.59		625		83		1401																

MAINTENANCE OF TRAFFIC
SUBSUMMARY

DESIGN AGENCY
HNTB

DESIGNER
MTD

REVIEWER
JEM 01/28/25

PROJECT ID
1901

SHEET P.30 | TOTAL P.157

DEL-CR10-5.60

MODEL: Unnamed Plan - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:10:12 AM USER: asingleton
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ROAD	DIR.	BEGIN STA.	END STA.	614							642																
				WORK ZONE CENTER LINE, CLASS I, 642 PAINT	WORK ZONE EDGE LINE (WHITE), CLASS I, 6", 642 PAINT	WORK ZONE EDGE LINE (YELLOW), CLASS I, 6", 642 PAINT	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 642 PAINT	WORK ZONE DOTTED LINE, CLASS I, 6", 642 PAINT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	WORK ZONE ARROW, CLASS I, 642 PAINT	REMOVAL OF PAVEMENT MARKING	MARKING TO BE REMOVED														
				MILE	MILE	MILE	FT	FT	FT	EACH	FT																
PHASE 2A																											
HOLLENBACK RD	WB	184+25	192+25		0.09																						
HOLLENBACK RD	EB/WB	184+25	192+25	0.16																							
HOLLENBACK RD	EB	184+25	192+67		0.1																						
HOLLENBACK RD	EB/WB	188+50	-							2																	
HOLLENBACK RD	EB	191+00	192+25				125																				
HOLLENBACK RD	EB/WB	192+10	-							1																	
EX. PAVEMENT MARKING REMOVAL- PHASE 2A																											
HOLLENBACK RD	EB/WB	184+25	192+70								846	CLY															
PHASE 2A SUBTOTALS CARRIED TO THIS SHEET				0.16	0.19		125			3	846																
PHASE 2B																											
S. OLD STATE RD	NB	79+31	98+00		0.36																						
S. OLD STATE RD	NB/SB	79+35	98+00	0.35																							
S. OLD STATE RD	SB	81+00	98+00		0.32																						
S. OLD STATE RD	SB	101+50	105+50		0.08																						
S. OLD STATE RD	SB	101+50	105+50			0.08																					
S. OLD STATE RD	SB	107+00	116+00			0.17																					
S. OLD STATE RD	SB	110+50	116+00		0.1																						
EX. PAVEMENT MARKING REMOVAL- PHASE 2B																											
S. OLD STATE RD	NB/SB	79+76	89+00								1207	CLY															
S. OLD STATE RD	NB/SB	107+05	116+00								1208	CLY															
PHASE 2B SUBTOTALS CARRIED TO THIS SHEET				0.35	0.86	0.25					2415																
PHASE 2C																											
S. OLD STATE RD	NB/SB	79+37	116+00	0.93																							
S. OLD STATE RD	SB	79+37	80+60				125			2																	
S. OLD STATE RD	NB	81+00	115+50		0.65																						
S. OLD STATE RD	SB	92+25	93+00				75																				
S. OLD STATE RD	SB	92+40	92+90							2																	
S. OLD STATE RD	SB	93+00	113+20		0.38																						
S. OLD STATE RD	NB	93+50	99+50				600																				
S. OLD STATE RD	NB	93+50	99+50				600																				
S. OLD STATE RD	NB	94+05	99+35							5																	
S. OLD STATE RD	NB	94+70	98+70							4																	
S. OLD STATE RD	NB	99+00	-						12																		
S. OLD STATE RD	NB	99+50	-						27																		
S. OLD STATE RD	SB	100+50	-						14																		
S. OLD STATE RD	NB	114+50	115+50					100																			
HOLLENBACK RD	EB	194+25	199+17		0.09																						
HOLLENBACK RD	EB	194+75	199+25				450																				
HOLLENBACK RD	EB	199+25	-						50																		
EX. PAVEMENT MARKING REMOVAL- PHASE 2C																											
S. OLD STATE RD	NB	113+86	116+00								214	CHW															
PHASE 2C SUBTOTALS CARRIED TO THIS SHEET				0.93	1.12		1850	100	103	13	214																
PHASE 1A SUBTOTALS				0.31	0.66				43		3471																
PHASE 1B SUBTOTALS				0.31	0.62				21		459																
PHASE 1C SUBTOTALS				0.33	0.59		625		83		1401																
PHASE 2A SUBTOTALS				0.16	0.19		125			3	846																
PHASE 2B SUBTOTALS				0.35	0.86	0.25					2415																
PHASE 2C SUBTOTALS				0.93	1.12		1850	100	103	13	214																
TOTALS CARRIED TO GENERAL SUMMARY				2.39	4.04	0.25	2600	100	250	16	8806																

MAINTENANCE OF TRAFFIC
SUBSUMMARY

DESIGN AGENCY
HNTB

DESIGNER
MTD

REVIEWER
JEM 01/29/25

PROJECT ID
1901

SHEET P.31 | TOTAL P.157

DEL-CR10-5.60

MODEL: Unnamed Plan-1 - Plan 3 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:10:12 AM USER: asingleton
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PHASE	ROAD	DIR.	BEGIN STA.	END STA.	LENGTH	AVERAGE WIDTH	DEPTH	AREA (ITEM 615)	CADD GENERATED AREA	615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A
					FT	FT	FT	SF	SF	SY
1A	S. OLD STATE ROAD	SB	89+00	99+57					6417	713
1A	S. OLD STATE ROAD	SB	100+22	105+50					2852	317
1B	S. OLD STATE ROAD	NB	100+68	105+50					2177	242
TOTALS CARRIED TO GENERAL SUMMARY										1272

MAINTENANCE OF TRAFFIC SUBSUMMARY

DESIGN AGENCY

HNTB

DESIGNER JEM

REVIEWER MTD 01/30/25

PROJECT ID 1901

SHEET P.32 | TOTAL P.157

DEL-CR10-5.60

MODEL: Unnamed Plan - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:10:17 AM USER: asingleton
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SHEET NUMBER									PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P.8	P.9	P.11	P.36	P.37	P.38	P.39	P.100	P.123	1						
														ROADWAY	
1									1	201	11000	1	LS	CLEARING AND GRUBBING	
			3,149				1,418		4,567	202	23000	4,567	SY	PAVEMENT REMOVED	
			217						217	202	30000	217	SF	WALK REMOVED	
			729						729	202	32000	729	FT	CURB REMOVED	
			1,726						1,726	202	35100	1,726	FT	PIPE REMOVED, 24" DIAMETER AND UNDER	
			14						14	202	53100	14	EACH	MAILBOX REMOVED	
			6						6	202	58100	6	EACH	CATCH BASIN REMOVED	
			761						761	202	75000	761	FT	FENCE REMOVED	
		173	7,134				307		7,614	203	10000	7,614	CY	EXCAVATION	
		653	3,694				132		4,479	203	20000	4,479	CY	EMBANKMENT	
				15,690			1,928		17,618	204	10000	17,618	SY	SUBGRADE COMPACTION	
2,500				3,241					5,741	204	13000	5,741	CY	EXCAVATION OF SUBGRADE	
1,000				3,241					4,241	204	20001	4,241	CY	EMBANKMENT, AS PER PLAN, ITEM 304	P.8
2,500									2,500	204	30010	2,500	CY	GRANULAR MATERIAL, TYPE B	
				6					6	204	45000	6	HOUR	PROOF ROLLING	
500									500	204	50001	500	SY	GEOTEXTILE FABRIC, AS PER PLAN, TYPE D	P.8
1,500				1,080					2,580	204	51001	2,580	SY	GEOGRID, AS PER PLAN	P.8
				454					454	206	10500	454	TON	CEMENT	
				14,610					14,610	206	11000	14,610	SY	CURING COAT	
				14,610					14,610	206	15010	14,610	SY	CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP	
				1					1	206	30000	1	LS	MIXTURE DESIGN FOR CHEMICALLY STABILIZED SOILS	
			100						100	608	10000	100	SF	4" CONCRETE WALK	
			80						80	608	52000	80	SF	CURB RAMP	
								10	10	623	38500	10	EACH	MONUMENT ASSEMBLY, TYPE C	
			14						14	SPECIAL	69050000	14	EACH	MAILBOX SUPPORT, AS PER PLAN	P.8
														EROSION CONTROL	
					3				3	601	11000	3	SY	RIPRAP, TYPE D	
	7								7	601	21050	7	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	
	10				13				23	601	32200	23	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	
					440				440	659	00301	440	CY	TOPSOIL, AS PER PLAN, 4"	P.9
			22,504						22,504	659	10000	22,504	SY	SEEDING AND MULCHING	
					1,481				1,481	670	00700	1,481	SY	DITCH EROSION PROTECTION	
						1			1	832	15000	1	LS	STORM WATER POLLUTION PREVENTION PLAN	
						1			1	832	15002	1	LS	STORM WATER POLLUTION PREVENTION INSPECTIONS	
						1			1	832	15010	1	LS	STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	
						150,000			150,000	832	30000	150,000	EACH	EROSION CONTROL	
														DRAINAGE	
					1.9				1.9	602	20000	1.9	CY	CONCRETE MASONRY	
	200				480				680	605	13300	680	FT	6" UNCLASSIFIED PIPE UNDERDRAINS	
					11,389				11,389	605	14000	11,389	FT	6" BASE PIPE UNDERDRAINS	
	560								560	605	31100	560	FT	AGGREGATE DRAINS	
					504				504	1203	00510	504	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	
	250								250	1203	00901	250	FT	6" CONDUIT, TYPE B, AS PER PLAN	P.9
	250								250	1203	01401	250	FT	6" CONDUIT, TYPE E, AS PER PLAN	P.9
	670								670	1203	01501	670	FT	6" CONDUIT, TYPE F, AS PER PLAN	P.9
					59				59	1203	04400	59	FT	12" CONDUIT, TYPE B	
					546				546	1203	04600	546	FT	12" CONDUIT, TYPE C	
					354				354	1203	04900	354	FT	12" CONDUIT, TYPE D	
					126				126	1203	05700	126	FT	15" CONDUIT, TYPE A	
					24				24	1203	05900	24	FT	15" CONDUIT, TYPE B	
					742				742	1203	06100	742	FT	15" CONDUIT, TYPE C	
					10				10	1203	10200	10	FT	24" CONDUIT, TYPE A	

GENERAL SUMMARY

DESIGN AGENCY
HNTB

DESIGNER
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KKP 01/29/25

PROJECT ID
1901

SHEET P.33 TOTAL P.157

DEL-CR10-5.60

MODEL: Unnamed Plan - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/10/2025 TIME: 9:57:17 AM USER: cmiller
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SHEET NUMBER										PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P.9	P.11	P.12	P.13	P.31	P.37	P.38	P.100	P.104	P.106	1						
															DRAINAGE CONT.	
						283				283	1203	10600	283	FT	24" CONDUIT, TYPE C	
						56				56	1203	10900	56	FT	24" CONDUIT, TYPE D	
						13				13	1203	98470	13	EACH	CATCH BASIN, NO. 2-2B	
						1				1	1203	98510	1	EACH	CATCH BASIN, NO. 2-3	
						2				2	1203	98634	2	EACH	CATCH BASIN RECONSTRUCTED TO GRADE	
28						13				41	1203	99711	41	EACH	PRECAST REINFORCED CONCRETE OUTLET, AS PER PLAN	P.9
						49				49	1203	99830	49	FT	TRENCH DRAIN, TYPE B, WITH STANDARD GRATE, AS PER PLAN	P.9
															PAVEMENT	
					11,974					11,974	254	01000	11,974	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 3-1/4"	
					3,822		140			3,962	301	56000	3,962	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
					2,617		140			2,757	304	20000	2,757	CY	AGGREGATE BASE	
					3,921					3,921	407	10000	3,921	GAL	TACK COAT	
					1,038					1,038	407	20000	1,038	GAL	NON-TRACKING TACK COAT	
							150			150	411	10000	150	CY	STABILIZED CRUSHED AGGREGATE	
					1,082					1,082	441	70000	1,082	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	
					1,276					1,276	441	70300	1,276	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449), PG64-22	
					498					498	441	70300	498	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449), SUPPLEMENTAL LEVELING COURSE, PG64-22	
							70			70	441	70500	70	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS)	
					600					600	609	12000	600	FT	COMBINATION CURB AND GUTTER, TYPE 2	
															TRAFFIC CONTROL	
									514.3	514.3	630	03100	514.3	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
									77	77	630	06400	77	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, S4X7.7	
									39.5	39.5	630	08520	39.5	FT	STREET NAME SIGN SUPPORT, NO. 3 POST	
									6	6	630	09000	6	EACH	BREAKAWAY STRUCTURAL BEAM CONNECTION	
									316.8	316.8	630	80100	316.8	SF	SIGN, FLAT SHEET	
									70.9	70.9	630	80200	70.9	SF	SIGN, GROUND MOUNTED EXTRUSHEET	
									6	6	630	80500	6	EACH	SIGN, DOUBLE FACED, STREET NAME	
									6	6	630	84500	6	EACH	GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION	
									63	63	630	84900	63	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
									30	30	630	86002	30	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
				8,806						8,806	642	30000	8,806	FT	REMOVAL OF PAVEMENT MARKING	
								1.57		1.57	644	00300	1.57	MILE	CENTER LINE	
								415		415	644	00700	415	FT	TRANSVERSE/DIAGONAL LINE	
								198		198	644	00900	198	SF	ISLAND MARKING	
								3,190		3,190	644	50300	3,190	FT	PAVEMENT MARKING, MISC.:CHANNELIZING LINE, 10"	P.10
								2.3		2.3	644	50400	2.3	MILE	PAVEMENT MARKING, MISC.:EDGE LINE, 5"	P.10
								201		201	647	18062	201	FT	STOP LINE, TYPE B125	
								32		32	647	20612	32	EACH	LANE ARROW, TYPE B125	
								4		4	647	50100	4	EACH	PAVEMENT MARKING, MISC.:TWO WAY LEFT TURN ARROW	
															TRAFFIC SIGNALS	
															FOR TRAFFIC SIGNAL GENERAL SUMMARY SEE SHEET P.118	
															MAINTENANCE OF TRAFFIC	
	2,000									2,000	410	12001	2,000	CY	TRAFFIC COMPACTED SURFACE, TYPE A OR B, AS PER PLAN	P.11
			148							148	614	11110	148	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
	20									20	614	12500	20	EACH	REPLACEMENT SIGN	
	30									30	614	12600	30	EACH	REPLACEMENT DRUM	
		32								32	614	18601	32	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	P.12
				2.39						2.39	614	21100	2.39	MILE	WORK ZONE CENTER LINE, CLASS I, 642 PAINT	
				4.29						4.29	614	22110	4.29	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	
				2,600						2,600	614	23210	2,600	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 642 PAINT	
				100						100	614	24202	100	FT	WORK ZONE DOTTED LINE, CLASS I, 6", 642 PAINT	
				250						250	614	26200	250	FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	
				16						16	614	30200	16	EACH	WORK ZONE ARROW, CLASS I, 642 PAINT	

GENERAL SUMMARY

DESIGN AGENCY
HNTB

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KKP 01/29/25

PROJECT ID
1901

SHEET P.34 | TOTAL P.157

DEL-CR10-5.60

MODEL: Unnamed Plan-1 - Plan 2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/10/2025 TIME: 9:57:34 AM USER: crmiller
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SHEET NUMBER			PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P.11	P.31	P.32	1						
								MAINTENANCE OF TRAFFIC CONT.	
		1,272	1,272	615	20000	1,272	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A	
49			49	616	10000	49	MGAL	WATER	
100			100	622	41100	100	FT	PORTABLE BARRIER, UNANCHORED	
								WATER WORK	
			3	638	10800	3	EACH	VALVE BOX ADJUSTED TO GRADE	
								INCIDENTALS	
			1	614	11000	1	LS	MAINTAINING TRAFFIC	
			12	619	16010	12	MNTH	FIELD OFFICE, TYPE B	
			1	623	10000	1	LS	CONSTRUCTION LAYOUT STAKES AND SURVEYING	
			1	624	10000	1	LS	MOBILIZATION	

GENERAL SUMMARY

DEL-CR10-5.60

MODEL: Unnamed Plan-2 - Plan 3 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/10/2025 TIME: 9:57:49 AM USER: cmiller
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DESIGN AGENCY
HNTB

DESIGNER
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REVIEWER
KKP 01/29/25

PROJECT ID
1901

SHEET P.35 | TOTAL P.157

REF NO.	SHEET NO.	LOCATION	STATION TO STATION			SIDE	202 PAVEMENT REMOVED SY	202 WALK REMOVED SF	202 CURB REMOVED FT	202 PIPE REMOVED, 24" AND UNDER FT	202 MAILBOX REMOVED EACH	202 CATCH BASIN REMOVED EACH	202 FENCE REMOVED FT	203 EXCAVATION CY	203 EMBANKMENT CY	608 4" CONCRETE WALK SF	608 CURB RAMP SF	SPECIAL MAILBOX SUPPORT EACH	659 SEEDING AND MULCHING SY
R-1	P.40 - P.44	S. OLD STATE RD	81+00.00	TO	99+81.29	LT	545												
R-2	P.40 - P.44	S. OLD STATE RD	81+00.00	TO	100+00.00	RT	579												
R-3	P.44 - P.47	S. OLD STATE RD	99+99.50	TO	113+20.00	LT	331												
R-4	P.44 - P.47	S. OLD STATE RD	100+72.12	TO	113+20.00	RT	496												
R-11	P.41	S. OLD STATE RD	82+66.61	TO	85+55.78	LT							357						
R-12	P.42	S. OLD STATE RD	88+48.07	TO	90+49.76	LT							202						
R-5	P.49 - P.52	HOLLENBACK RD	184+25.00	TO	199+50.00	LT	431												
R-6	P.49 - P.52	HOLLENBACK RD	184+25.00	TO	199+50.00	RT	318												
R-7	P.52, P. 53	HOLLENBACK RD	200+50.00	TO	207+30.00	LT	241												
R-8	P.52, P. 53	HOLLENBACK RD	200+50.00	TO	205+90.00	RT	202												
R-9	P.49	HOLLENBACK RD	184+86.65	TO	186+72.93	LT							202						
R-10	P.50	HOLLENBACK RD	192+86.65	TO	192+95.22	LT		217											
UD-2A	P.50	HOLLENBACK RD	188+58.55			LT/RT	3												
UD-1B	P.52	HOLLENBACK RD	199+00.00			LT/RT	3												
MBR-1	P.40	S. OLD STATE RD	81+92.00			LT					1								
MBR-2	P.41	S. OLD STATE RD	82+66.00			LT					1								
MBR-3	P.41	S. OLD STATE RD	86+09.00			LT					1								
MBR-4	P.46	S. OLD STATE RD	107+81.00			LT					1								
MBR-5	P.47	S. OLD STATE RD	112+92.36			LT					1								
MBR-6	P.44	S. OLD STATE RD	101+82.00			RT					1								
MBR-7	P.46	S. OLD STATE RD	109+00.00			RT					1								
MBR-8	P.46	S. OLD STATE RD	110+94.00			RT					1								
MBR-9	P.46	S. OLD STATE RD	111+85.00			RT					1								
MBR-10	P.49	HOLLENBACK RD	184+26.00			LT					1								
MBR-11	P.49	HOLLENBACK RD	186+54.00			LT					1								
MBR-12	P.51	HOLLENBACK RD	197+90.00			LT					1								
MBR-13	P.53	HOLLENBACK RD	204+81.00			LT					1								
MBR-14	P.53	HOLLENBACK RD	206+15.00			LT					1								
CR-1	P.50	HOLLENBACK RD	192+47.00	TO	192+87.00	LT			54										
CR-2	P.40, P.41	S. OLD STATE RD	BEGIN WORK	TO	83+96.00	LT			297										
CR-3	P.40, P.41	S. OLD STATE RD	BEGIN WORK	TO	83+94.00	RT			294										
CR-4	P.42	S. OLD STATE RD	91+45.00	TO	91+95.00	RT			55										
CR-5	P.45	S. OLD STATE RD	106+28.00	TO	106+67.00	RT			29										
DR-1	P.41	S. OLD STATE RD	83+08.00	TO	83+08.00	RT				42		1							
DR-2	P.40, P.41	S. OLD STATE RD	81+72.00	TO	84+06.00	LT				288		1							
DR-4	P.44	S. OLD STATE RD	97+98.00	TO	98+22.00	RT				24									
DR-5	P.44	S. OLD STATE RD	101+48.00	TO	101+72.00	RT				25									
DR-6	P.45	S. OLD STATE RD	104+05.00	TO	104+50.00	LT				44									
DR-7	P.46	S. OLD STATE RD	108+64.00	TO	110+02.00	RT				138									
DR-8	P.46	S. OLD STATE RD	111+67.00	TO	112+07.00	LT				40									
DR-9	P.49	HOLLENBACK RD	184+32.00	TO	184+73.00	LT				41									
DR-10	P.49	HOLLENBACK RD	186+60.00	TO	187+00.00	LT				40									
DR-11	P.49	HOLLENBACK RD	187+17.00	TO	187+51.00	RT				34									
DR-12	P.51	HOLLENBACK RD	196+83.00	TO	197+23.00	LT				40									
DR-13	P.51	HOLLENBACK RD	197+88.00	TO	198+28.00	LT				40									
DR-14	P.52	HOLLENBACK RD	199+69.00	TO	199+87.00	LT/RT				97									
DR-15	P.52	HOLLENBACK RD	200+35.00	TO	200+64.00	LT/RT				47		1							
DR-16	P.52	HOLLENBACK RD	200+35.00	TO	201+42.00	RT				107		1							
DR-17	P.52	HOLLENBACK RD	200+64.00	TO	204+31.00	LT				367		1							
DR-18	P.53	HOLLENBACK RD	204+31.00	TO	204+31.00	LT						1							
DR-19	P.53	HOLLENBACK RD	204+98.00	TO	207+30.00	LT				258									
DR-20	P.53	HOLLENBACK RD	205+81.00	TO	206+11.00	LT				30									
DR-21	P.53	HOLLENBACK RD	207+06.00	TO	207+30.00	LT				24									
W-1	P.50	HOLLENBACK RD	192+86.65	TO	192+95.22	LT										100	80		
MB-1	P.40	S. OLD STATE RD	81+86.42			LT												1	
MB-2	P.41	S. OLD STATE RD	82+64.45			LT												1	
MB-3	P.41	S. OLD STATE RD	85+62.94			LT												1	
MB-4	P.44	S. OLD STATE RD	101+84.99			RT												1	
MB-5	P.46	S. OLD STATE RD	107+77.08			LT												1	
MB-6	P.46	S. OLD STATE RD	109+08.08			RT												1	
MB-7	P.46	S. OLD STATE RD	110+95.54			RT												1	
MB-8	P.46	S. OLD STATE RD	111+97.03			RT												1	
MB-9	P.47	S. OLD STATE RD	113+00.00			LT												1	
MB-10	P.49	HOLLENBACK RD	184+73.00			LT												1	
MB-11	P.49	HOLLENBACK RD	186+59.94			RT												1	
MB-12	P.51	HOLLENBACK RD	197+89.68			LT												1	
MB-13	P.53	HOLLENBACK RD	204+45.69			LT												1	
MB-14	P.53	HOLLENBACK RD	205+72.12			LT												1	
TOTALS CARRIED TO THE GENERAL SUMMARY							3149	217	729	1726	14	6	761	0	0	100	80	14	0	0

REF NO.	SHEET NO.	LOCATION	STATION TO STATION			SIDE	202 PAVEMENT REMOVED SY	202 WALK REMOVED SF	202 CURB REMOVED FT	202 PIPE REMOVED, 24" AND UNDER FT	202 MAILBOX REMOVED EACH	202 CATCH BASIN REMOVED EACH	202 FENCE REMOVED FT	203 EXCAVATION CY	203 EMBANKMENT CY	608 4" CONCRETE WALK SF	608 CURB RAMP SF	SPECIAL MAILBOX SUPPORT EACH	659 SEEDING AND MULCHING SY
P.55	S. OLD STATE RD	80+50.00	TO	81+50.00	LT/RT									29	8				120
P.56	S. OLD STATE RD	82+00.00	TO	83+00.00	LT/RT									82	83				331
P.57	S. OLD STATE RD	83+50.00	TO	84+50.00	LT/RT									120	265				665
P.58	S. OLD STATE RD	85+00.00	TO	86+00.00	LT/RT									144	238				665
P.59	S. OLD STATE RD	86+50.00	TO	87+50.00	LT/RT									267	148				717
P.60	S. OLD STATE RD	88+00.00	TO	89+00.00	LT/RT									283	180				782
P.61	S. OLD STATE RD	89+50.00	TO	90+50.00	LT/RT									241	204				892
P.62	S. OLD STATE RD	91+00.00	TO	92+00.00	LT/RT									292	56				748
P.63	S. OLD STATE RD	92+50.00	TO	93+50.00	LT/RT									213	80				752
P.64	S. OLD STATE RD	94+00.00	TO	95+00.00	LT/RT									260	136				800
P.65	S. OLD STATE RD	95+50.00	TO	96+50.00	LT/RT									374	94				897
P.66	S. OLD STATE RD	97+00.00	TO	98+00.00	LT/RT									419	75				858
P.67	S. OLD STATE RD	98+50.00	TO	99+50.00	LT/RT									45	122				608
P.68	S. OLD STATE RD	100+00.00	TO	101+00.00	LT/RT									0	0				475
P.69	S. OLD STATE RD	101+50.00	TO	102+50.00	LT/RT									110	29				430
P.70	S. OLD STATE RD	103+00.00	TO	104+00.00	LT/RT									152	129				660
P.71	S. OLD STATE RD	104+50.00	TO	105+50.00	LT/RT									201	90				555
P.72	S. OLD STATE RD	106+00.00	TO	107+00.00	LT/RT									144	70				444
P.73	S. OLD STATE RD	107+50.00	TO	108+00.00	LT/RT									108	29				266
P.74	S. OLD STATE RD	108+50.00	TO	109+50.00	LT/RT									309	42				591
P.75	S. OLD STATE RD	110+00.00	TO	111+00.00	LT/RT									201	88				689
P.76	S. OLD STATE RD	111+50.00	TO	112+50.00	LT/RT									209	126				716
P.77	S. OLD STATE RD	113+00.00	TO	113+20.00	LT/RT									39	59				226
P.78	HOLLENBACK RD	183+00.00	TO	184+00.00	LT/RT									43	15				329
P.79	HOLLENBACK RD	184+25.00	TO	185+00.00	LT/RT									131	40				328
P.80	HOLLENBACK RD	185+50.00	TO	186+50.00	LT/RT									120	117				500
P.81	HOLLENBACK RD	187+00.00	TO	188+00.00	LT/RT									133	111				619
P.82	HOLLENBACK RD	188+50.00	TO	189+50.00	LT/RT									157	115				568
P.83	HOLLENBACK RD	190+00.00	TO	191+00.00	LT/RT									198	89				611
P.84	HOLLENBACK RD	191+50.00	TO	192+50.00	LT/RT									213	85				555
P.85	HOLLENBACK RD	193+00.00	TO	194+00.00	LT/RT									221	78				573
P.86	HOLLENBACK RD	194+50.00	TO	195+50.00	LT/RT									191	113				640
P.87	HOLLENBACK RD	196+00.00	TO	197+00.00	LT/RT									219	175				719
P.88	HOLLENBACK RD	197+50.00	TO	198+50.00	LT/RT									259	125				690
P.89	HOLLENBACK RD	199+00.00	TO	200+00.00	LT/RT									243	84				462
P.90	HOLLENBACK RD	200+50.00	TO	201+50.00	LT/RT									229	18				431
P.91	HOLLENBACK RD	202+00.00	TO	203+00.00	LT/RT									217	19				423
P.92	HOLLENBACK RD	203+50.00	TO	204+50.00	LT/RT									165	40				418
P.93	HOLLENBACK RD	205+00.00	TO	206+00.00	LT/RT									85	78				415
P.94	HOLLENBACK RD	206+50.00	TO	207+25.00	LT/RT									61	39				303
P.95	HOLLENBACK RD	207+50.00			LT/RT									7	2				33
TOTALS CARRIED TO THE GENERAL SUMMARY							0	0	0	0	0	0	0	7134	3694	0	0	0	22504

ROADWAY

DESIGN AGENCY

HNTB

DESIGNER
JEM

REVIEWER
KKP 01/29/25

PROJECT ID
1901

SHEET P.36 TOTAL P.157

DEL-CR10-5.60

MODEL: Unnamed Plan - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:10:27 AM USER: asingleton
pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Columbus Projects\83630 ODOTDS01 DEL-CR10-5.60\400-Engineering\Roadway\Sheets\1901_GS002.dgn

STATION RANGE			SIDE	DISTANCE (D)	AVERAGE WIDTH (ITEMS: 204)	AVERAGE WIDTH (ITEMS: 206)	AVERAGE WIDTH (ITEMS: 254)	AVERAGE WIDTH (ITEMS: 301)	AVERAGE WIDTH (ITEMS: 304)	AVERAGE WIDTH (SURFACE ITEMS: 407, 441)	AVERAGE WIDTH (INTERMEDIATE ITEMS: 407, 441)	SURFACE AREA (ITEM: 204)	SURFACE AREA (ITEM: 206)	SURFACE AREA (ITEM: 254)	SURFACE AREA (ITEM: 301)	SURFACE AREA (ITEM: 304)	SURFACE AREA (SURFACE ITEMS: 407, 441)	SURFACE AREA (INTERMEDIATE ITEMS: 407,441)	CADD GENERATED AREA (ITEM: 204 & 206)	CADD GENERATED AREA (ITEM: 254)	CADD GENERATED AREA (ITEM: 301)	CADD GENERATED AREA (ITEM: 304)	CADD GENERATED AREA (SURFACE ITEMS: 407, 441)	CADD GENERATED AREA (INTERMEDIATE ITEMS: 407, 441)	204 SUBGRADE COMPACTION	204 EXCAVATION OF SUBGRADE, 12 INCHES DEEP	204 EMBANKMENT, AS PER PLAN, ITEM 304	204 PROOF ROLLING	204 GEOGRID, AS PER PLAN	206 CEMENT (6% SPREAD RATE)	206 CURING COAT	206 CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP	254 1-3/4" PAVEMENT PLANING, ASPHALT CONCRETE	301 9" ASPHALT CONCRETE BASE, PG64-22 (449)	304 6" AGGREGATE BASE	407 TACK COAT (0.075 GAL/SY) (2 APPLICATIONS)	407 NON-TRACKING TACK COAT (0.04 GAL/SY)	441 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	441 1-3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449), PG64-22	449 1-1/2" ASPHALT CONCRETE INTERMEDIATE LEVELING COURSE	609 COMBINATION CURB AND GUTTER, TYPE 2
C.R. 10				FT	FT	FT	FT	FT	FT	FT	FT	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SY	CY	CY	HOUR	SY	TON	SY	SY	SY	CY	CY	GAL	GAL	CY	CY	CY	FT
81+00.00	TO	83+00.00	LT/RT	200.00																																						400
81+00.00	TO	84+00.00	LT	300.00		9.25	11.00	9.00	9.25	18.75	19.00		2775.00	3300.00	2700.00	2775.00	5625.00	5700.00								308			0.10		9.57	308	308	367	75	51	96	25	26	31	15	
81+00.00	TO	84+00.00	RT	300.00	7.75		14.50	7.50	7.75	20.75	21.00	2325.00		4350.00	2250.00	2325.00	6225.00	6300.00								258	775	775	0.09	258				483	63	43	106	28	29	34	20	
84+00.00	TO	88+55.00	LT	455.00	13.50	13.50	8.00	13.25	13.50	20.00	20.25	6142.50	6142.50	3640.00	6028.75	6142.50	9100.00	9213.75								683			0.23		21.19	683	683	404	167	114	154	40	42	50	17	
84+00.00	TO	88+55.00	RT	455.00		10.50	11.00	10.25	10.50	20.00	20.25		4777.50	5005.00	4663.75	4777.50	9100.00	9213.75								531			0.18		16.48	531	531	556	130	88	154	41	42	50	23	
88+55.00	TO	91+25.00	LT	270.00		16.50	8.00	16.25	16.50	23.00	23.25		4455.00	2160.00	4387.50	4455.00	6210.00	6277.50								495			0.17		15.37	495	495	240	122	83	104	28	29	34	10	
88+55.00	TO	91+25.00	RT	270.00		8.00	10.50	7.75	8.00	17.00	17.25		2160.00	2835.00	2092.50	2160.00	4590.00	4657.50								240			0.08		7.45	240	240	315	58	40	78	20	21	25	13	
91+25.00	TO	93+00.00	LT	175.00		19.50	8.00	19.25	19.50	26.00	26.25		3412.50	1400.00	3368.75	3412.50	4550.00	4593.75								379			0.13		11.77	379	379	156	94	63	76	20	21	25	7	
91+25.00	TO	93+00.00	RT	175.00	5.50		10.00	5.25	5.50	14.00	14.25	962.50		1750.00	918.75	962.50	2450.00	2493.75								107	321	321	0.04	107				194	26	18	42	11	11	13	8	
93+00.00	TO	93+50.00	LT	50.00		19.50	8.00	19.25	19.50	26.00	26.25		975.00	400.00	962.50	975.00	1300.00	1312.50								108			0.04		3.36	108	108	44	27	18	22	6	6	7	2	
93+00.00	TO	93+50.00	RT	50.00		11.24	10.00	10.99	11.24	19.74	19.99		562.00	500.00	549.50	562.00	987.00	999.50								62			0.02		1.94	62	62	56	15	10	16	4	5	5	2	
93+50.00	TO	97+40.00	LT	390.00		19.50	8.00	19.25	19.50	26.00	26.25		7605.00	3120.00	7507.50	7605.00	10140.00	10237.50								845			0.28		26.24	845	845	347	209	141	170	45	47	55	14	
93+50.00	TO	97+40.00	RT	390.00		16.53	10.00	16.28	16.53	25.03	25.28		6444.75	3900.00	6347.25	6444.75	9759.75	9857.25								716			0.24		22.23	716	716	433	176	119	164	43	45	53	18	
97+40.00	TO	98+81.25	LT	141.25		21.86	8.00	21.61	21.86	28.36	28.61		3087.02	1130.00	3051.71	3087.02	4005.14	4040.46								343			0.11		10.65	343	343	126	85	57	68	18	19	22	5	
97+40.00	TO	98+81.25	RT	141.25		16.50	10.00	16.25	16.50	25.00	25.25		2330.63	1412.50	2295.31	2330.63	3531.25	3566.56								259			0.09		8.04	259	259	157	64	43	60	16	16	19	7	
98+81.25	TO	100+91.67	RT/LT	210.42															5987.61	5548.79	5844.00	5987.61	11319.15	11356.15	665			0.22		20.66	665	665	617	162	111	188	50	52	61	26	
100+91.67	TO	104+00.00	LT	308.33		18.50	9.00	18.25	18.50	26.00	26.25		5704.11	2774.97	5627.02	5704.11	8016.58	8093.66								634			0.21		19.68	634	634	308	156	106	134	36	37	44	13	
100+91.78	TO	104+00.00	RT	308.22	6.50		9.00	6.25	6.50	14.00	14.25	2003.43		2773.98	1926.38	2003.43	4315.08	4392.13								223	668	668	0.07	223				308	54	37	74	19	20	24	13	
104+00.00	TO	107+50.00	LT	350.00		14.62	9.00	14.37	14.62	22.12	22.37		5115.25	3150.00	5027.75	5115.25	7740.25	7827.75								568			0.19		17.65	568	568	350	140	95	130	34	36	42	15	
104+00.00	TO	107+50.00	RT	350.00		9.43	9.96	9.18	9.43	17.88	18.13		3298.75	3484.25	3211.25	3298.75	6258.00	6345.50								367			0.12		11.38	367	367	387	89	61	106	28	29	34	16	
107+50.00	TO	110+10.00	LT	260.00	7.87		9.00	7.62	7.87	15.37	15.62	2044.90		2340.00	1979.90	2044.90	3994.90	4059.90								227	682	682	0.08	227				260	55	38	68	18	18	22	11	
107+50.00	TO	110+10.00	RT	260.00		12.47	13.67	12.22	12.47	24.63	24.88		3240.90	3552.90	3175.90	3240.90	6403.80	6468.80								360			0.12		11.18	360	360	395	88	60	108	28	30	35	16	
110+10.00	TO	113+20.00	LT	310.00	5.00		9.00	4.75	5.00	12.50	12.75	1550.00		2790.00	1472.50	1550.00	3875.00	3952.50								172	517	517	0.06	172				310	41	29	66	17	18	21	13	
110+10.00	TO	113+20.00	RT	310.00		9.29	19.71	9.04	9.29	27.50	27.75		2879.90	6110.10	2802.40	2879.90	8525.00	8602.50								320			0.11		9.94	320	320	679	78	53	144	38	39	46	28	
T.R. 274																																									
184+25.00	TO	184+34.02	LT	9.02		12.90	8.50	12.65	12.90	19.90	20.15		116.36	76.67	114.10	116.36	179.50	181.75								13			0.01		0.40	13	13	9	3	2	4	1	1	1	0	
184+25.00	TO	184+34.02	RT	9.02		11.42	10.00	11.17	11.42	19.91	20.16		102.96	90.20	100.71	102.96	179.59	181.84								11			0.01		0.36	11	11	10	3	2	4	1	1	1	0	
184+34.02	TO	186+86.91	RT/LT	252.89															6194.68	4679.85	5688.89	6194.68	10115.84	10242.29	688			0.23		21.37	688	688	520	158	115	170	45	47	55	22	
186+86.91	TO	187+90.06	LT	103.15		13.00	8.50	12.75	13.00	20.00	20.25		1340.95	876.78	1315.16	1340.95	2063.00	2088.79								149			0.05		4.63	149	149	97	37	25	34	9	10	11	4	
186+86.91	TO	187+90.06	RT	103.15		11.50	10.00	11.25	11.50	20.00	20.25		1186.23	1031.50	1160.44	1186.23	2063.00	2088.79								132			0.04		4.09	132	132	115	32	22	17	9	10	11	5	
188+58.55			RT/LT	1.50				18.50	18.50	18.50	18.50				27.75	27.75	27.75	27.75																1	1	2	1	1	1	0	
187+90.06	TO	189+95.14	RT/LT	205.08															5025.42	3792.89	4615.26	5025.42	8203.07	8305.61	558			0.19		17.34	558	558	421	128	93	138	36	38	45	18	
189+95.14	TO	194+25.00	LT	429.86		13.00	8.50	12.75	13.00	20.00	20.25		5588.18	3653.81	5480.72	5588.18	8597.20	8704.67								621			0.21		19.28	621	621	406	152	103	146	38	40	47	17	
189+95.14	TO	194+25.00	RT	429.86		11.50	10.00	11.25	11.50	20.00	20.25		4943.39	4298.60	4835.93	4943.39	8597.20	8704.67								549			0.18		17.05	549	549	478	134	92	146	38	40	47	20	
194+25.00	TO	198+88.28	LT	463.28		13.00	8.50	12.75	13.00	20.00	20.25		6022.64	3937.88	5906.82	6022.64	9265.60	9381.42								669			0.22		20.78	669	669	438	164	112	156	41	43	51	18	
194+25.00	TO	198+48.30	RT	423.30		23.50	10.00	23.25	23.50	32.00	32.25		9947.55	4233.00	9841.72	9947.55	13545.60	13651.43								1105			0.37		34.32	1105	1105	470	273	184	228	60	63	74	20	
198+48.30	TO	199+68.27	RT	119.97															4380.90	1210.76	4233.05	4380.90	5369.24	5406.58	487			0.16		15.11	487	487	135	118	81	90	24	25	29	6	
198+88.28	TO	199+68.27	LT	79.99															1384.13	686.37	1287.04	1384.13	1925.97	1949.34	154			0.05		4.78	154	154	76	36	26	32	9	9	11	3	
200+25.08	TO	200+86.73	RT/LT	61.65															2683.95	1164.24	2529.25	2683.95	3615.78	3654.67	298			0.10		9.26	298	298	129	70	50	60	16	17	20	5	
199+00.00			RT/LT	1.50				18.50	18.50	18.50	18.50				27.75	27.75	27.75	27.75																1	1	2	1	1	1	0	
200+86.73	TO	202+75.00	LT	188.27		14.50	7.00	14.25	14.50	20.00	20.25		2729.92	1317.89	2682.85	2729.92	3765.40	3812.47								303			0.10		9.42	303	303	146	75	51	64	17	17	21	6	
200+86.73	TO	202+75.00	RT	188.27		13.00	8.50	12.75	13.00	20.00	20.25		2447.51	1600.30	2400.44	2447.51	3765.40	3812.47								272			0.09		8.44	272	272	178	67	45	64	17	17	21	7	
202+75.00	TO	205+90.00	LT	315.00		11.01	7.00	10.76	11.01	16.51	16.76		3466.58	2205.00	3387.83	3466.58	5199.08	5277.83								385			0.13		11.96	385	385	245	94	64	88	23	24	29	10	
200+75.00	TO	202+75.00	RT	200.00																																				200	
202+75.00	TO	205+90.00	RT	315.00		9.50	8.50	9.25	9.50	16.50	16.75		2992.50	2677.50	2913.75	2992.50	5197.50	5276.25								333			0.11		10.32	333	333	298	81	55	88	23	24	28	12	
205+90.00	TO	207+30.00	LT	140.00	5.95		7.00	5.70	5.95	11.45	11.70	833.00		980.00	798.00	833.00	1603.00	1638.00								93	278	278	0.03	93				109	22	15	28	7	7	9	5	
205+90.00	TO	207+30.00	RT	140.00			13.00			13.00	13.00			1820.00			1820.00	1820.00															202			30	8	8	10	8	
206+18.97			RT/LT	1.50				20.00	20.00	20.00	20.00				30.00	30.00	30.00	30.00																1	1	2	1	1	1	0	
SUBTOTALS CARRIED TO GENERAL SUMMARY																									15690	3241	3241	6	1080	454	14610	14610	11974	3822	2617	3921	1038	1082	1276	498	600

PAVEMENT

DESIGN AGENCY
HNTB

DESIGNER
JEM

REVIEWER
KKP 01/29/25

PROJECT ID
1901

SHEET P.37 | TOTAL P.157

DEL-CR10-5.60

MODEL: Unnamed Plan - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:10:31 AM USER: asingleton
pw:\\pw-hnt.hntb.org:PWGreat_Lakes\Documents\Columbus Projects\83630 ODOT\DS01 DEL-CR10-5.60\400-Engineering\Roadway\Sheets\1901_GS001.dgn

REF NO.	SHEET NO.	LOCATION	STATION			SIDE	601 RIPRAP, TYPE D SY	601 ROCK CHANNEL PROTECTION, TYPE C WITH FILTER CY	602 CONCRETE MASONRY CY	659 TOPSOIL, AS PER PLAN, (4") CY	670 DITCH EROSION PROTECTION SY	839 TRENCH DRAIN WITH STANDARD GRATE, AS PER PLAN FT	1203 12" CONDUIT, TYPE B FT	1203 12" CONDUIT, TYPE C FT	1203 12" CONDUIT, TYPE D FT	1203 15" CONDUIT, TYPE A FT	1203 15" CONDUIT, TYPE B FT	1203 15" CONDUIT, TYPE C FT	1203 24" CONDUIT, TYPE A FT	1203 24" CONDUIT, TYPE C FT	1203 24" CONDUIT, TYPE D FT	1203 CATCH BASIN, NO. 2-2B EACH	1203 CATCH BASIN, NO. 2-3 EACH	1203 CATCH BASIN RECONSTRUCTED TO GRADE EACH	605 6" UNCLASSIFIED PIPE UNDERDRAINS FT	605 6" BASE PIPE UNDERDRAINS FT	1203 6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS FT	1203 PRECAST REINFORCED CONCRETE OUTLET EACH
		S. OLD STATE RD.																										
CULV-2	P.42, P.104	S. OLD STATE RD.	89+79.43	TO	89+79.04	LT/RT	1	5	0.5							31												
CULV-3	P.47, P.105	S. OLD STATE RD.	112+52.38	TO	112+61.87	LT/RT			0.5										10									
D-9	P.40, P.104	S. OLD STATE RD.	81+17.72	TO	83+99.99	LT																		1				
D-10	P.41, P.104	S. OLD STATE RD.	83+99.99			LT														283			1				17	
D-11	P.41, P.104	S. OLD STATE RD.	83+10.46	TO	OFFSITE	RT												8				1					24	
EXD-5	P.42	S. OLD STATE RD.	92+07.67			RT																		1			18	
D-12	P.45, P.104	S. OLD STATE RD.	103+57.34			LT					102						24					1					16	
D-13	P.46, P.105	S. OLD STATE RD.	107+76.99	TO	110+50.00	LT								273								1					7	
D-13A	P.46, P.105	S. OLD STATE RD.	110+50.00	TO	110+90.00	LT			0.2					40								1						
D-14	P.46, P.105	S. OLD STATE RD.	108+68.00	TO	111+01.09	RT			0.2					233								1						
DW-4	P.41, P.104	S. OLD STATE RD.	85+63.44	TO	86+01.79	LT									38													
DW-5	P.44, P.104	S. OLD STATE RD.	97+90.08	TO	98+30.24	RT									40													
DW-6	P.45, P.105	S. OLD STATE RD.	104+04.82	TO	104+50.50	LT									46													
DW-7	P.46, P.105	S. OLD STATE RD.	111+60.31	TO	112+16.46	LT															56							
DW-8	P.47, P.105	S. OLD STATE RD.	112+53.40	TO	113+00.50	LT		1							47													
UD-5	P.40 -P.44	S. OLD STATE RD.	81+00.00	TO	99+00.14	LT																				1801		
UD-5A	P.42	S. OLD STATE RD.	89+00.00			LT																					16	1
UD-5B	P.43	S. OLD STATE RD.	94+00.00			LT																					16	1
UD-5C	P.43	S. OLD STATE RD.	97+00.00			LT																					17	1
UD-6	P.40-P.44	S. OLD STATE RD.	81+00.00	TO	99+80.16	RT																				1888		
UD-6A	P.42	S. OLD STATE RD.	88+00.00			RT																					21	1
UD-6B	P.43	S. OLD STATE RD.	97+00.00			RT																					17	1
D-11	P.41-P.42	S. OLD STATE RD.	83+09.85	TO	89+69.59	RT																				660	10	
EXD-5	P.42-P.44	S. OLD STATE RD.	92+07.67	TO	97+90.08	RT																				579	10	
UD-9	P.44-P.47	S. OLD STATE RD.	100+41.48	TO	113+20.00	LT																				1178		
UD-9U	P.44	S. OLD STATE RD.	100+41.48	TO	100+63.94	LT																			23			
UD-9AU	P.46-P.47	S. OLD STATE RD.	112+41.19	TO	113+20.00	LT																			78			
UD-9A	P.46	S. OLD STATE RD.	112+41.19			LT																					15	1
UD-10	P.44-P.47	S. OLD STATE RD.	101+00.00	TO	113+20.00	RT																				1141		
UD-10BU	P.44-P.47	S. OLD STATE RD.	112+40.93	TO	113+20.00	RT																			79			
UD-10A	P.45	S. OLD STATE RD.	103+78.00			RT																					36	1
UD-10B	P.46	S. OLD STATE RD.	112+40.93			RT																					15	1
		HOLLENBACK ROAD																										
CULV-1	P.52, P.104	HOLLENBACK RD.	199+16.34	TO	199+16.34	LT/RT	2	6	0.5							95												
D-1	P.52, P.106	HOLLENBACK RD.	201+48.39	TO	201+88.39	RT						19						40				1						
D-2	P.52, P.106	HOLLENBACK RD.	200+96.79	TO	201+48.39	RT						30						52				1						
D-3	P.52, P.106	HOLLENBACK RD.	200+96.79	TO	200+97.13	RT							59									1					14	
D-4	P.52, P.106	HOLLENBACK RD.	200+97.13	TO	204+00.29	LT												303				1					11	
D-5	P.53, P.106	HOLLENBACK RD.	204+00.29	TO	204+97.73	LT												97				1						
D-6	P.53, P.106	HOLLENBACK RD.	204+97.73	TO	206+18.97	LT												121				1						
D-7	P.53, P.106	HOLLENBACK RD.	206+18.97	TO	207+29.80	LT												111				1					37	
D-7A	P.53, P.106	HOLLENBACK RD.	207+29.80	TO	OFFSITE	LT												10				1						
DW-1	P.49, P.106	HOLLENBACK RD.	184+26.78	TO	184+74.60	LT									47													
DW-2	P.49, P.106	HOLLENBACK RD.	186+60.12	TO	187+02.58	LT									42													
DW-3	P.49, P.106	HOLLENBACK RD.	187+10.30	TO	187+61.82	RT		1							52													
DW-4H	P.51, P.106	HOLLENBACK RD.	197+89.33	TO	198+31.67	LT									42													
UD-1	P.49-P.52	HOLLENBACK RD	184+24.97	TO	199+76.92	LT																				1560		
UD-1A	P.51	HOLLENBACK RD	193+76.84			LT																					15	1
UD-1B	P.52	HOLLENBACK RD	199+00.00			LT																					73	1
UD-2	P.49	HOLLENBACK RD	184+25.00	TO	199+48.26	RT																				1255		
UD-2U	P.49-P.50	HOLLENBACK RD	187+50.00	TO	190+50.00	RT																			300			
UD-2A	P.50	HOLLENBACK RD	188+58.55			RT																					61	1
UD-2B	P.51	HOLLENBACK RD	193+76.84			RT																					15	1
UD-2C	P.51	HOLLENBACK RD	197+50.00			RT																					22	1
UD-3	P.52-P.53	HOLLENBACK RD	200+31.50	TO	207+30.00	LT																				752		
UD-4	P.52-P.53	HOLLENBACK RD	200+44.49	TO	205+90.00	RT																				575		
		BMP QUANTITIES																										
B-DW3	P.39	S. OLD STATE RD.	183+45.00	TO	187+16.00	RT				58	164																	
B-CULV2A-1	P.39	S. OLD STATE RD.	187+54.00	TO	195+50.00	RT				136	613																	
B-CULV2A-2	P.39	S. OLD STATE RD.	195+50.00	TO	199+16.00	RT				95	164																	
B-D11-A	P.39	HOLLENBACK RD.	89+79.00	TO	83+10.00	RT				151	437																	
TOTALS CARRIED TO GENERAL SUMMARY							3	13	1.9	440	1481	49	59	546	354	126	24	742	10	283	56	13	1	2	480	11389	504	13

DRAINAGE

DEL-CR10-5.60

MODEL: Unnamed Plan - Unnamed Plan-1 - Plan 2 [Sheet] [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:10:37 AM USER: asingleton
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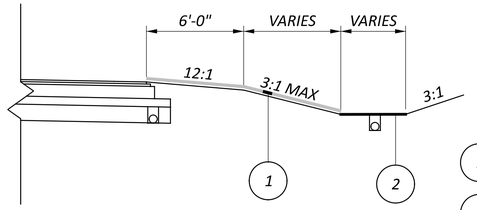
DESIGN AGENCY
HNTB

DESIGNER AS
REVIEWER SM 01/30/25
PROJECT ID 1901
SHEET P.38 TOTAL P.157

BMP TYPE - VEGETATED BIOFILTER		LATITUDE/LONGITUDE				BMP WIDTH	EDA TREATMENT CREDIT
BMP ID	BMP NAME	BEGIN		END		(FEET)	(ACRES)
1901_VBF	B-DW3	82°59'25.8" W	40°12'59.5" N	82°59'21.1" W	40°12'59.4" N	4	0.25
	B-CULV2A-1	82°59'20.6" W	40°12'59.4" N	82°59'10.4" W	40°12'59.0" N	7	0.75
	B-CULV2A-2	82°59'10.4" W	40°12'59.0" N	82°59'05.7" W	40°12'58.7" N	4	0.48
	B-D11-A	82°59'07" W	40°12'49.3" N	82°59'08.8" W	40°12'42.9" N	6	0.65
				TREATMENT PROVIDED			2.13
				TREATMENT REQUIRED *			1.79

*CALCULATED PER L&D VOL. 2, SEC. 1115.7



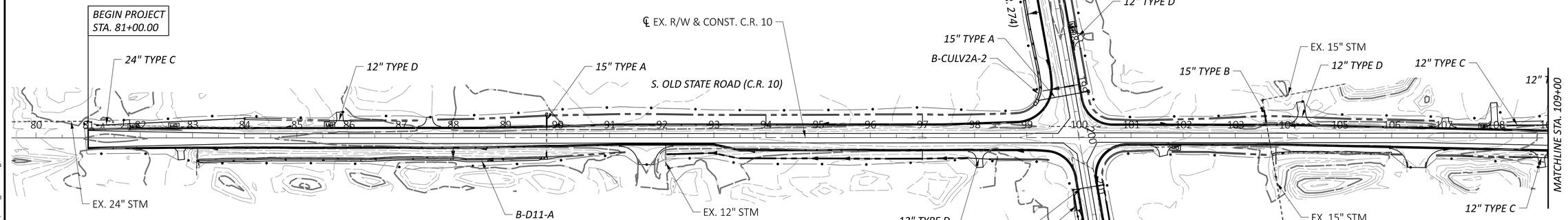
VEGETATED BIOFILTER

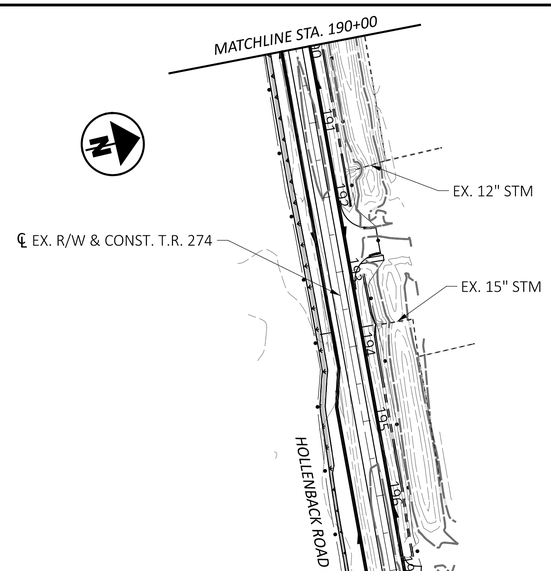
1 ITEM 659 - TOPSOIL, 4"

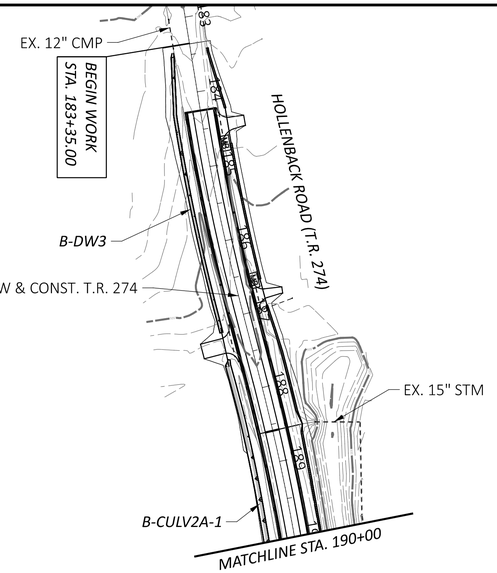
2 ITEM 670 - DITCH EROSION PROTECTION

S. OLD STATE ROAD (C.R. 10)
STA. 89+79.00 TO STA. 83+10.00

HOLLENBACK ROAD (T.R. 274)
STA. 183+45.00 TO STA. 199+16.00







ITEM 832 - EROSION CONTROL

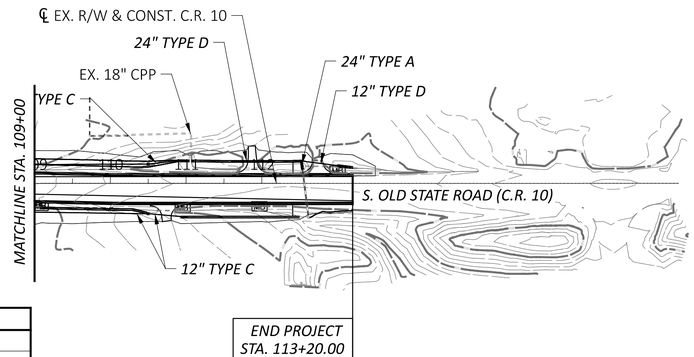
THE FOLLOWING ESTIMATED QUANTITY IS PROVIDED FOR TEMPORARY SEDIMENT AND EROSION CONTROL (TSEC) IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF ODOT SUPPLEMENTAL SPECIFICATION 832:

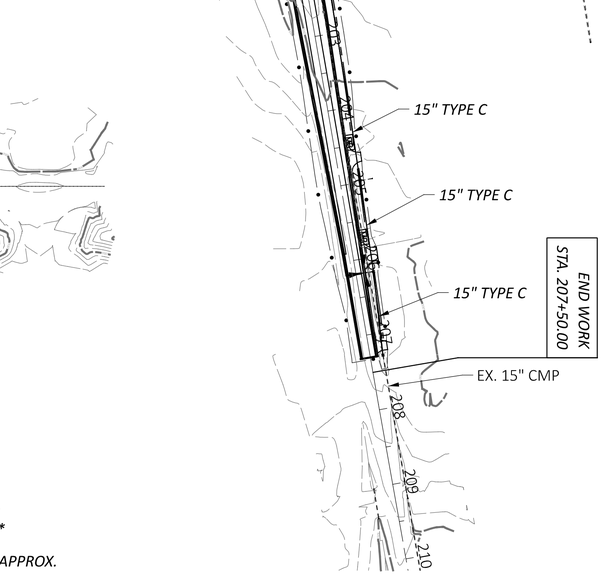
ITEM 832 - EROSION CONTROL
ITEM 832 - STORM WATER POLLUTION PREVENTION PLAN
ITEM 832 - STORM WATER POLLUTION PREVENTION INSPECTIONS
ITEM 832 - STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE

UNLESS OTHERWISE APPROVED BY THE ENGINEER, DAMAGED FILTER FABRIC FENCE SHALL BE REPLACED IN LIEU OF ANY/ALL METHODS OF REPAIR.

PROJECT DESCRIPTION:

THE DEL-CR10-5.60 PROJECT CONSISTS OF WIDENING AND RESURFACING THE INTERSECTION OF HOLLENBACK ROAD (T.R. 274) AND S. OLD STATE ROAD (C.R. 10). INCONJUNCTION WITH THE WIDENING, THE PROJECT WILL INCLUDE DRAINAGE SYSTEM ADJUSTMENTS AND TRAFFIC CONTROL UPDATES.





ESTIMATED QUANTITIES CARRIED TO GENERAL SUMMARY			
ITEM	QUANTITY	UNIT	DESCRIPTION
832	LS	LUMP	STORM WATER POLLUTION PREVENTION PLAN
832	LS	LUMP	STORM WATER POLLUTION PREVENTION INSPECTIONS
832	LS	LUMP	STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE
832	150,000	EACH	EROSION CONRTOL

PROJECT DATA			
TOTAL AREA (RIGHT-OF-WAY)	11.663 ACRES	RUNOFF COEFICIENT FOR PRE-CONSTRUCTION SITE	0.62
PROJECT EARTH DISTURBED AREA	8.62 ACRES	RUNOFF COEFICIENT FOR POST-CONSTRUCTION SITE	0.69
ESTIMATED CONTRACTOR EARTH DISTURBED AREA	1.75 ACRES	POST CONSTRUCTION BMP: VEGETATED BIOFILTER (SEE THIS SHEET FOR DETAILS)	
NOTICE OF INTENT EARTH DISTURBED AREA	10.369 ACRES		
IMPERVIOUS (PAVED) AREA FOR PRE-CONSTRUCTION SITE	3.471 ACRES	SUBSEQUENT RECEIVING WATERS: ALUM CREEK LAKE	
IMPERVIOUS (PAVED) AREA FOR POST-CONSTRUCTION SITE	5.639 ACRES		

USGS MAP: MASON QUADRANT
LONGITUDE: 82°59'05" W*
LATITUDE: 40°12'59" N*
*LONGITUDE AND LATITUDE TO APPROX. CENTER OF THE PROJECT

HORIZONTAL SCALE IN FEET
0 ---NA--- ---NA---

PROJECT SITE PLAN

DESIGN AGENCY
HNTB

DESIGNER HRR
REVIEWER AS 01/29/25
PROJECT ID 1901
SHEET P.39 TOTAL P.157

DEL-CR10-5.60

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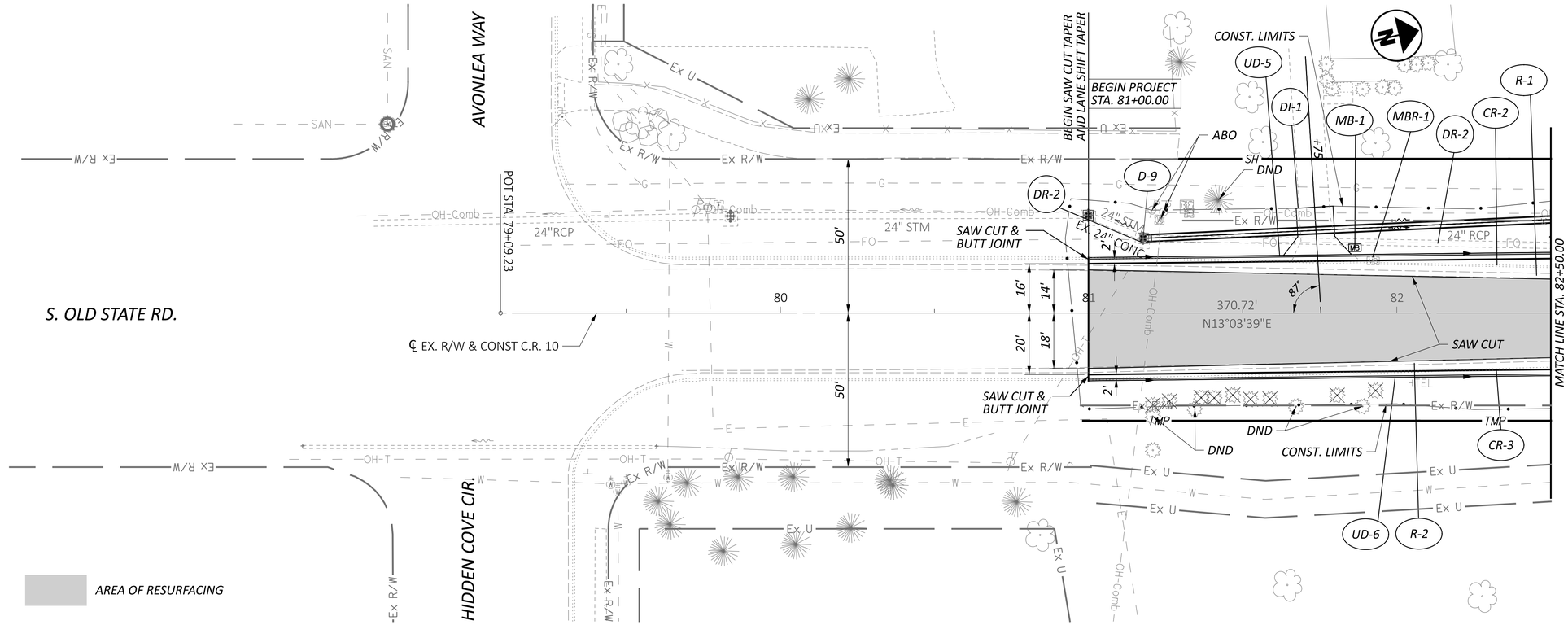

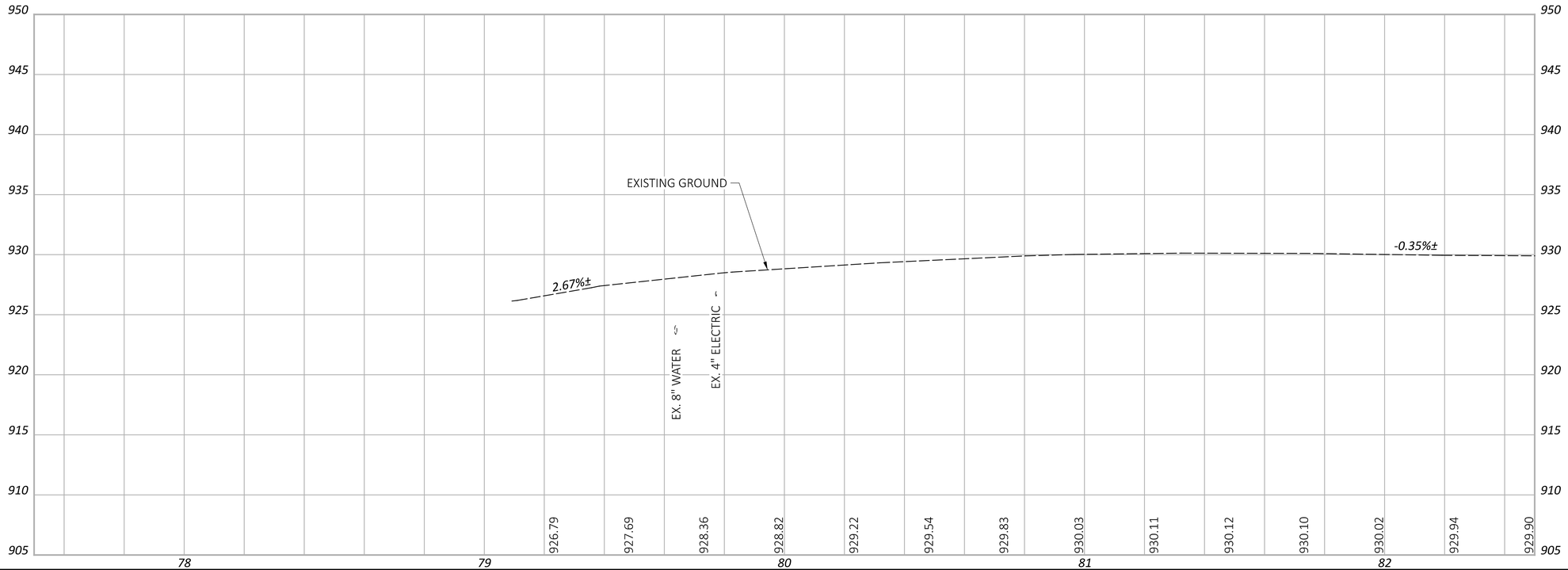

NOTE: PGL ELEVATIONS ARE 1-1/2" HIGHER THAN EXISTING ELEVATIONS SHOWN ON PROFILE

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - S. OLD STATE ROAD
BEGIN PROJECT TO STA. 82+50

DESIGN AGENCY
HNTB

DESIGNER	HRR
REVIEWER	KKP 09/15/23
PROJECT ID	1901
SHEET	P.40
TOTAL	P.157

DEL-CR10-5.60

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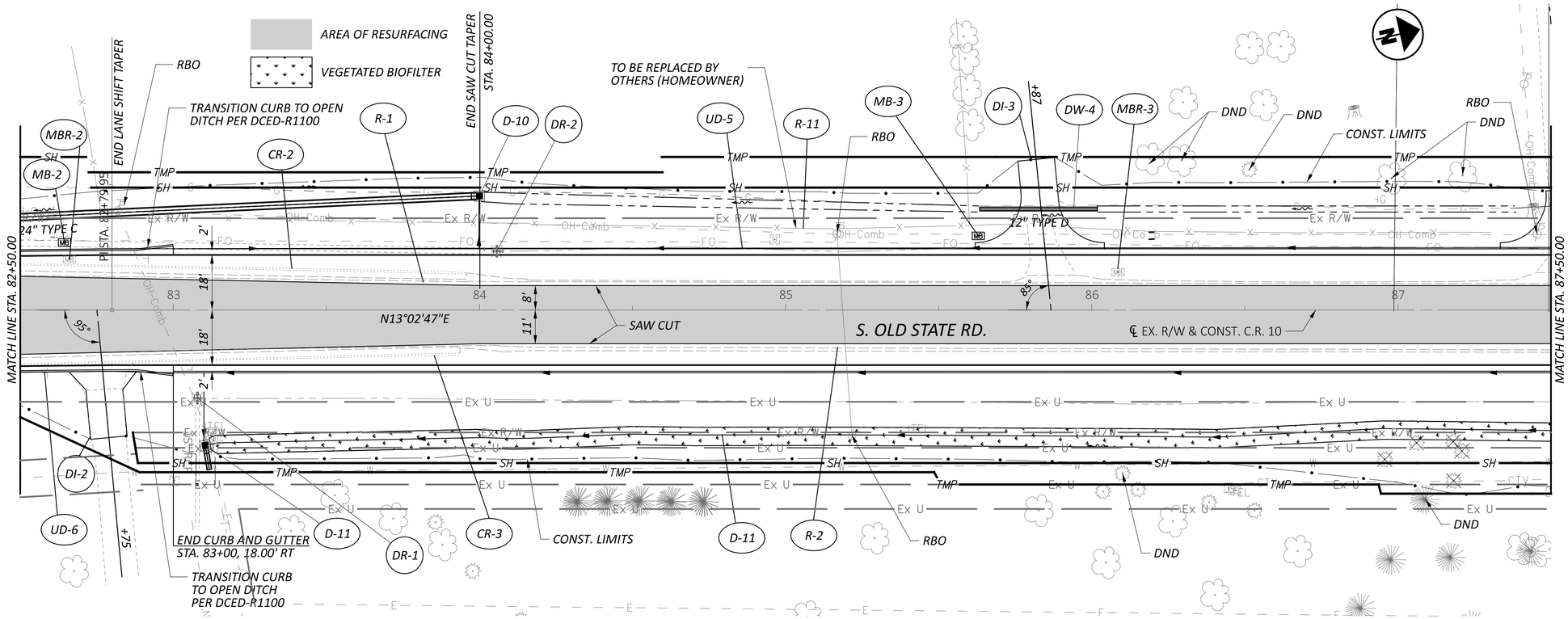

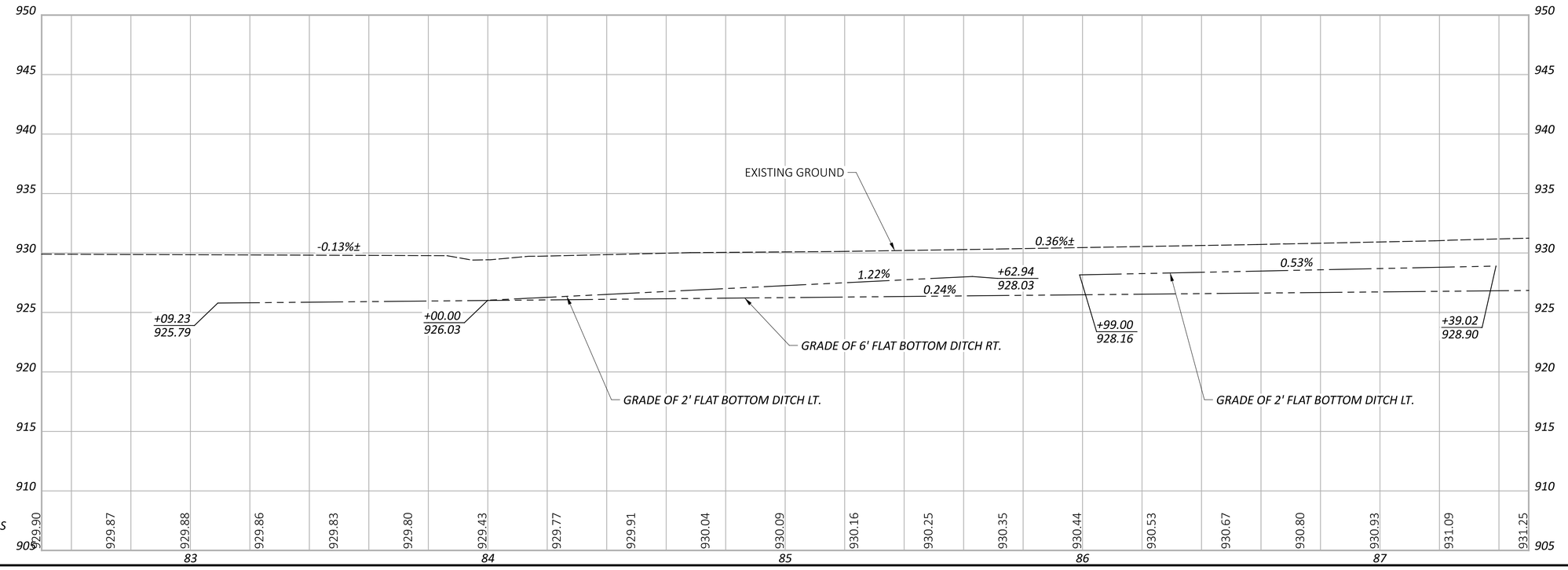

NOTE: PGL ELEVATIONS ARE 1-1/2" HIGHER THAN EXISTING ELEVATIONS SHOWN ON PROFILE

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - S. OLD STATE ROAD STA. 82+50 TO STA. 87+50

DESIGN AGENCY
HNTB

DESIGNER HRR
REVIEWER KKP 09/15/23
PROJECT ID 1901
SHEET P.41 TOTAL P.157

DEL-CR10-5.60

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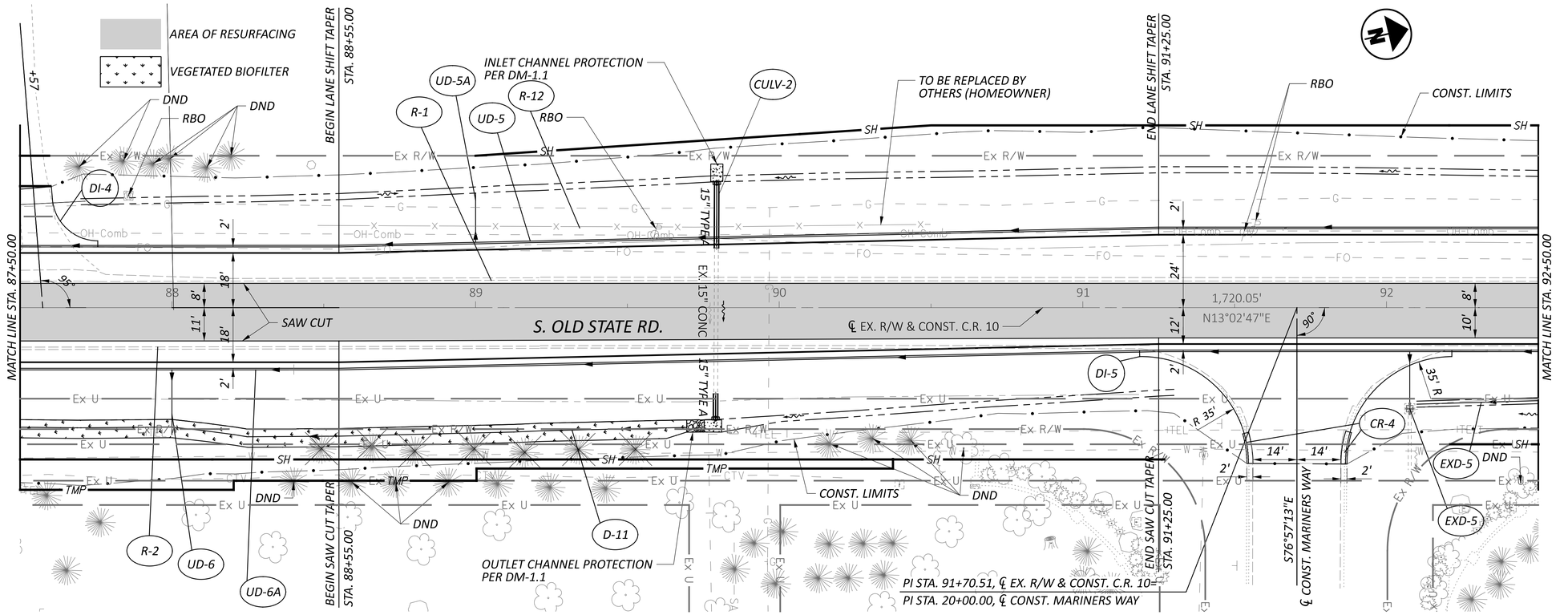
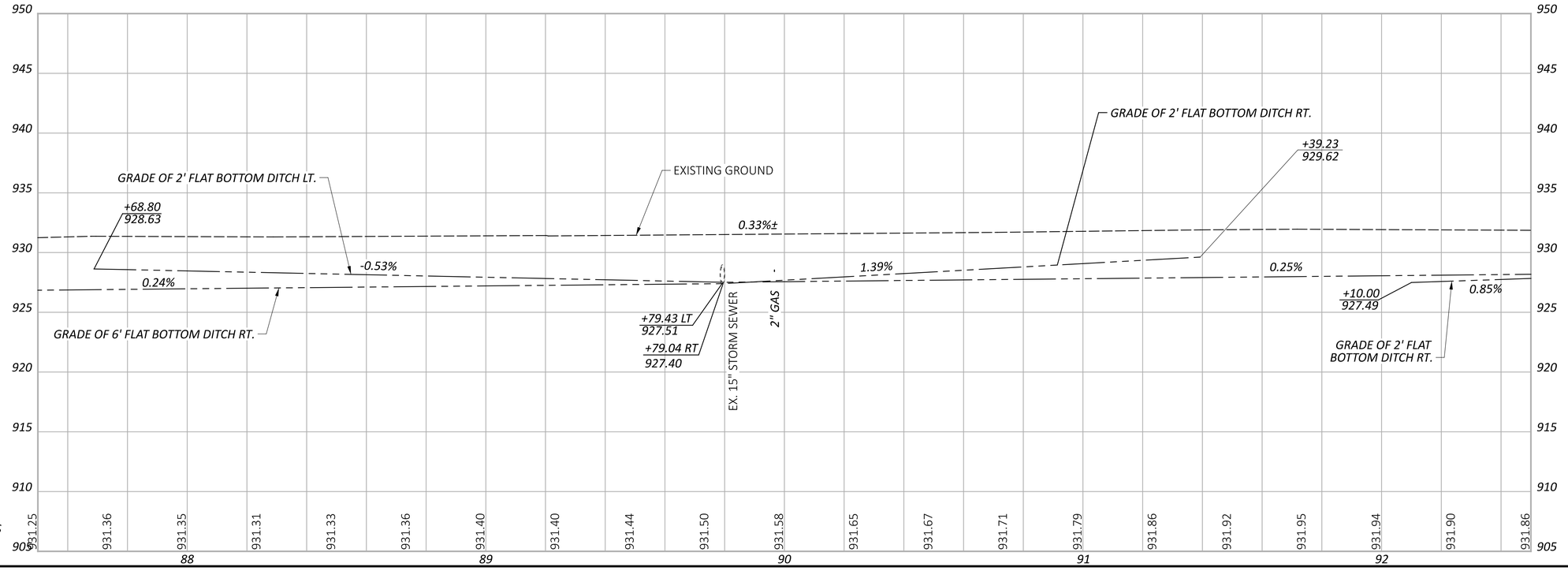
PLAN AND PROFILE - S. OLD STATE ROAD
STA. 87+50 TO STA. 92+50

HORIZONTAL SCALE IN FEET
0 10 20 40





NOTE: PGL ELEVATIONS ARE 1-1/2" HIGHER THAN EXISTING ELEVATIONS SHOWN ON PROFILE

DESIGN AGENCY
HNTB

DESIGNER	HRR
REVIEWER	KKP 09/15/23
PROJECT ID	1901
SHEET	P.42
TOTAL	P.157

DEL-CR10-5.60

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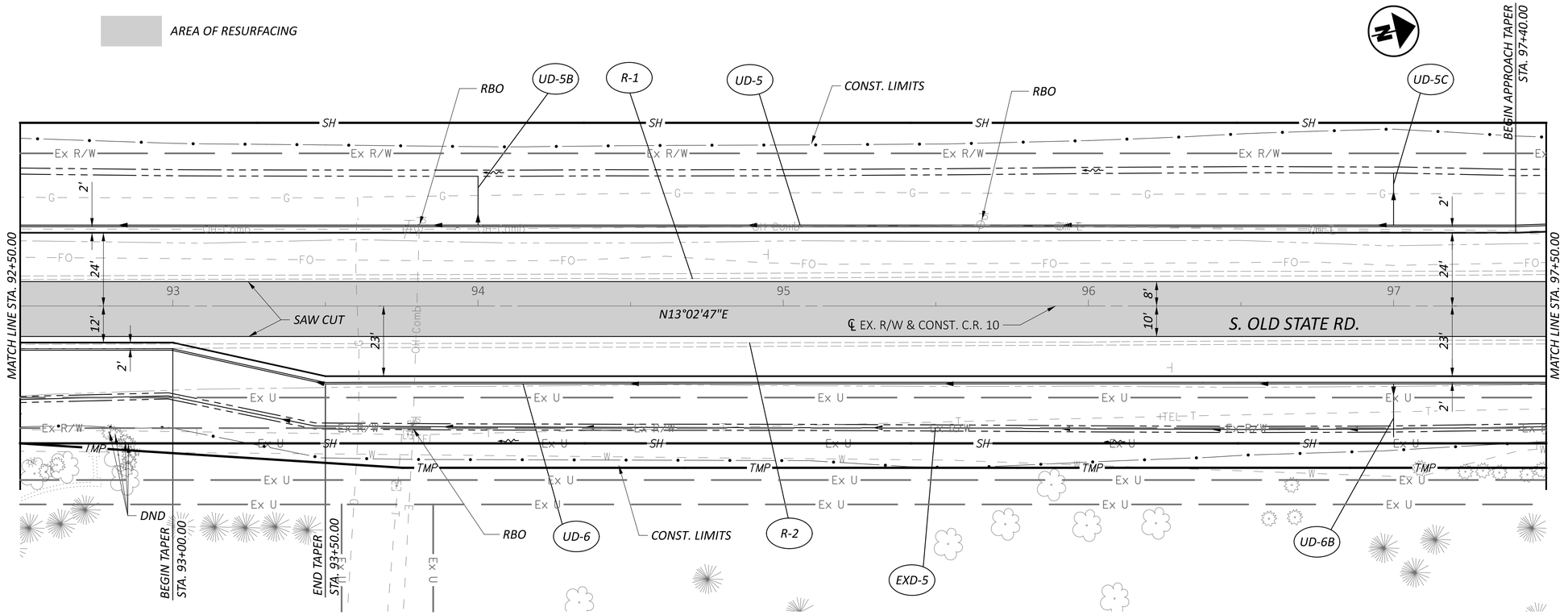

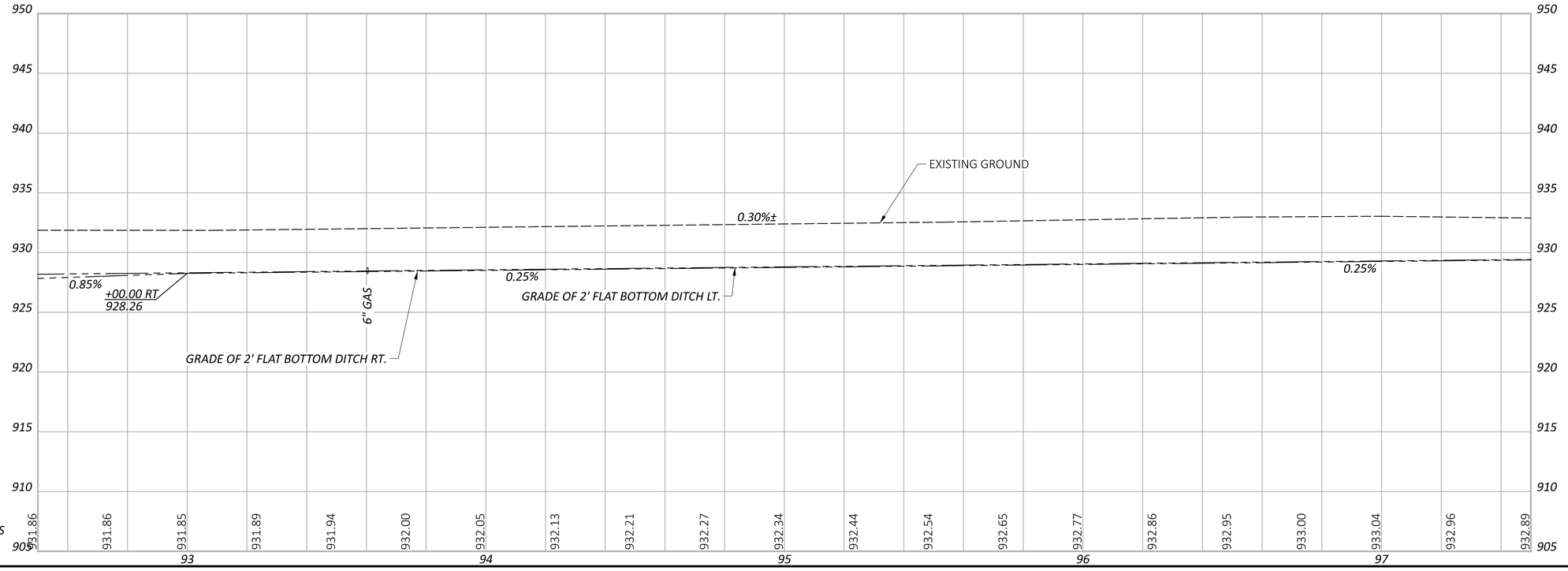

NOTE: PGL ELEVATIONS ARE 1-1/2" HIGHER THAN EXISTING ELEVATIONS SHOWN ON PROFILE

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - S. OLD STATE ROAD
STA. 92+50 TO STA. 97+50

DESIGN AGENCY
HNTB

DESIGNER HRR
REVIEWER KKP 09/15/23
PROJECT ID 1901
SHEET P.43 TOTAL P.157

DEL-CR10-5.60

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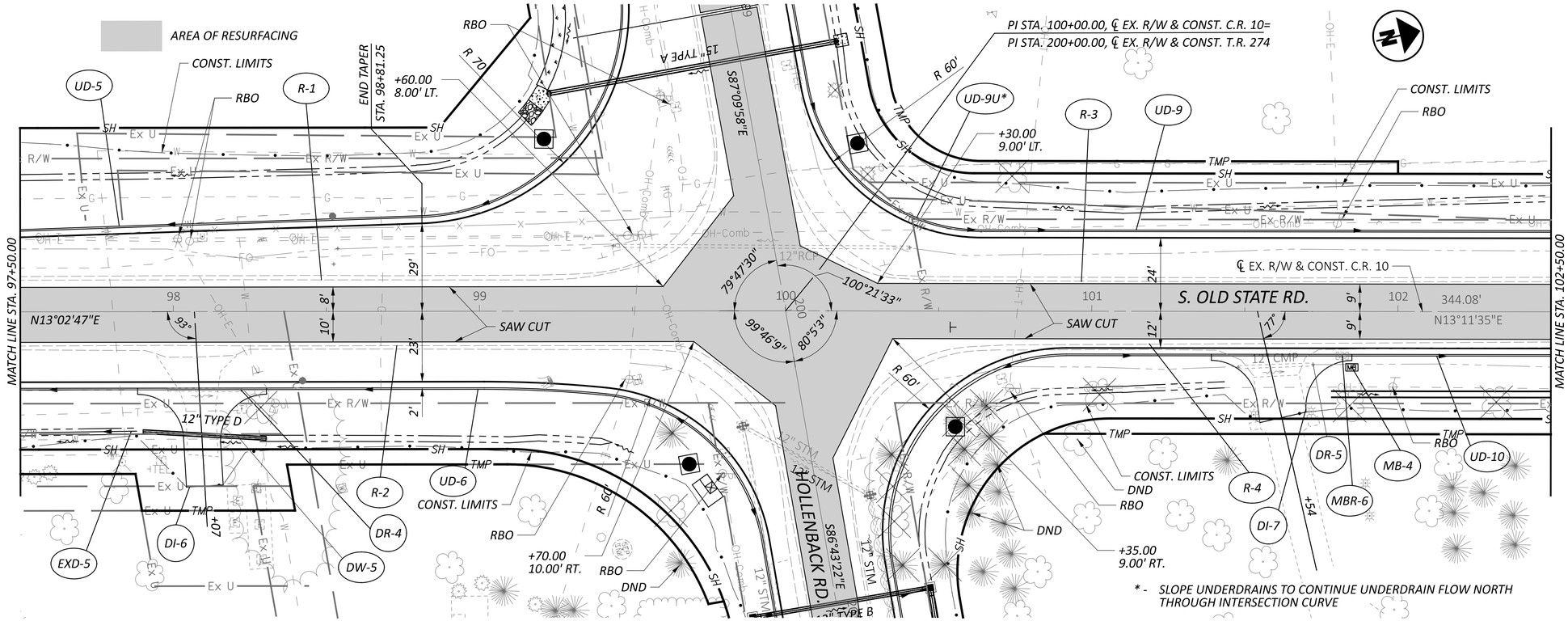

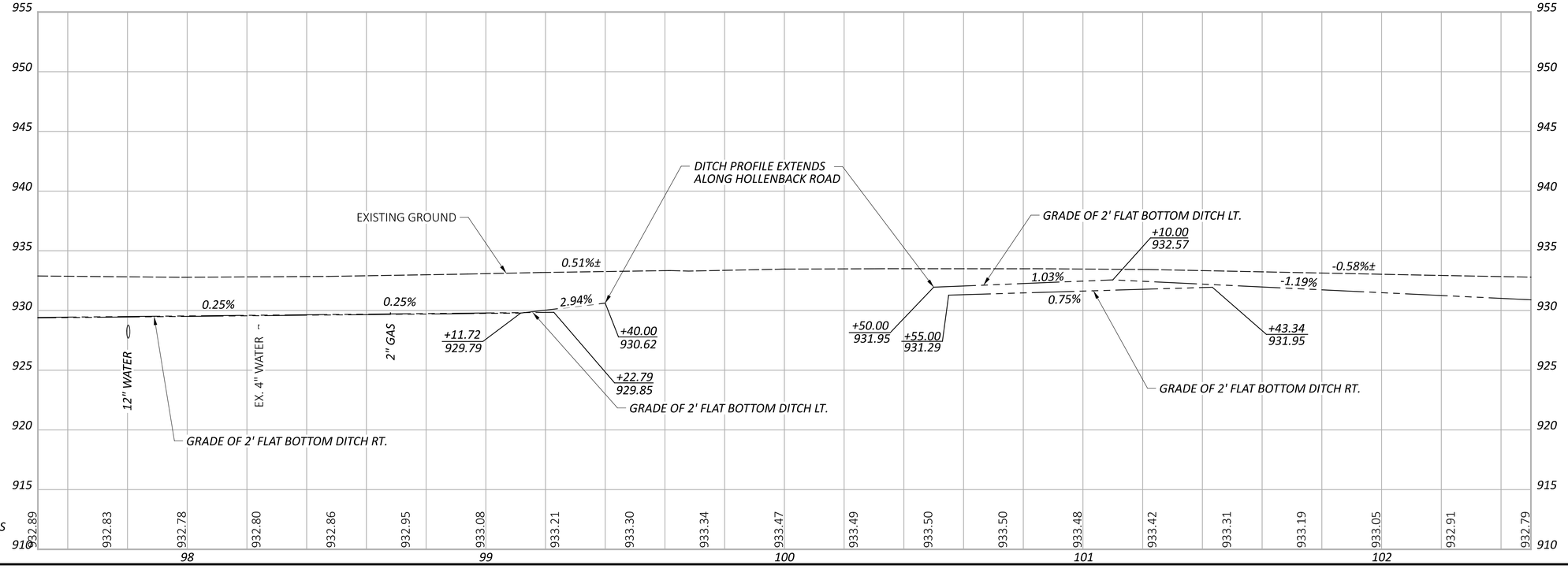

NOTE: PGL ELEVATIONS ARE 1-1/2" HIGHER THAN EXISTING ELEVATIONS SHOWN ON PROFILE

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - S. OLD STATE ROAD
STA. 97+50 TO STA. 102+50

DEL-CR10-5.60

DESIGN AGENCY
HNTB

DESIGNER HRR
REVIEWER KKP 09/15/23
PROJECT ID 1901
SHEET P.44 TOTAL P.157

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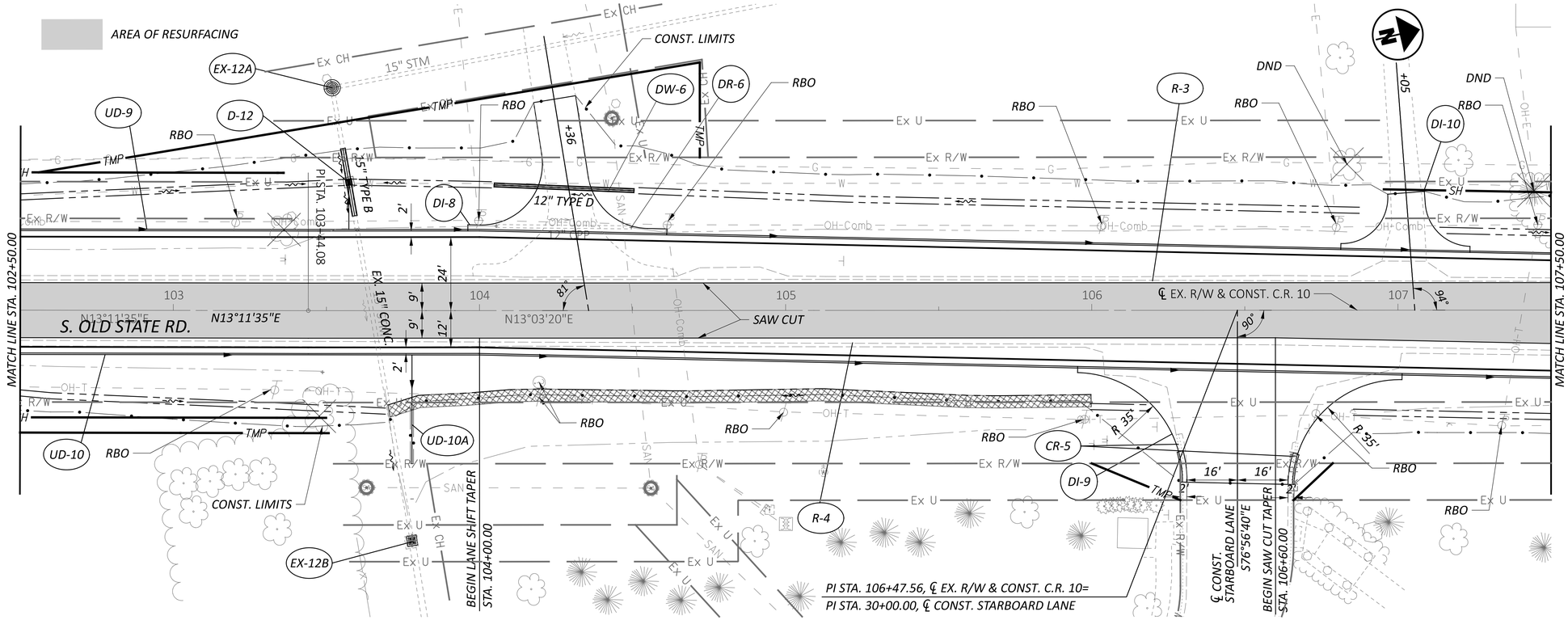

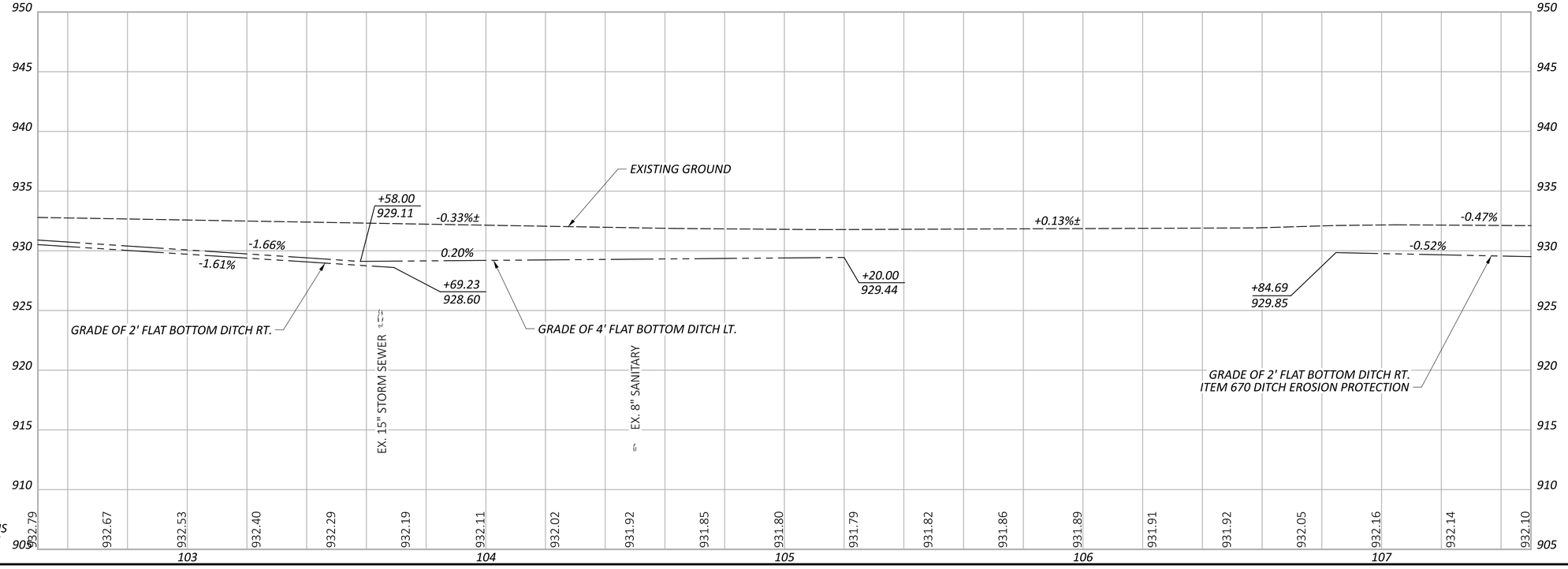

NOTE: PGL ELEVATIONS ARE 1-1/2" HIGHER THAN EXISTING ELEVATIONS SHOWN ON PROFILE

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - S. OLD STATE ROAD STA. 102+50 TO STA. 107+50

DEL-CR10-5.60

DESIGN AGENCY
HNTB

DESIGNER HRR
REVIEWER KKP 09/15/23
PROJECT ID 1901
SHEET P.45 TOTAL P.157

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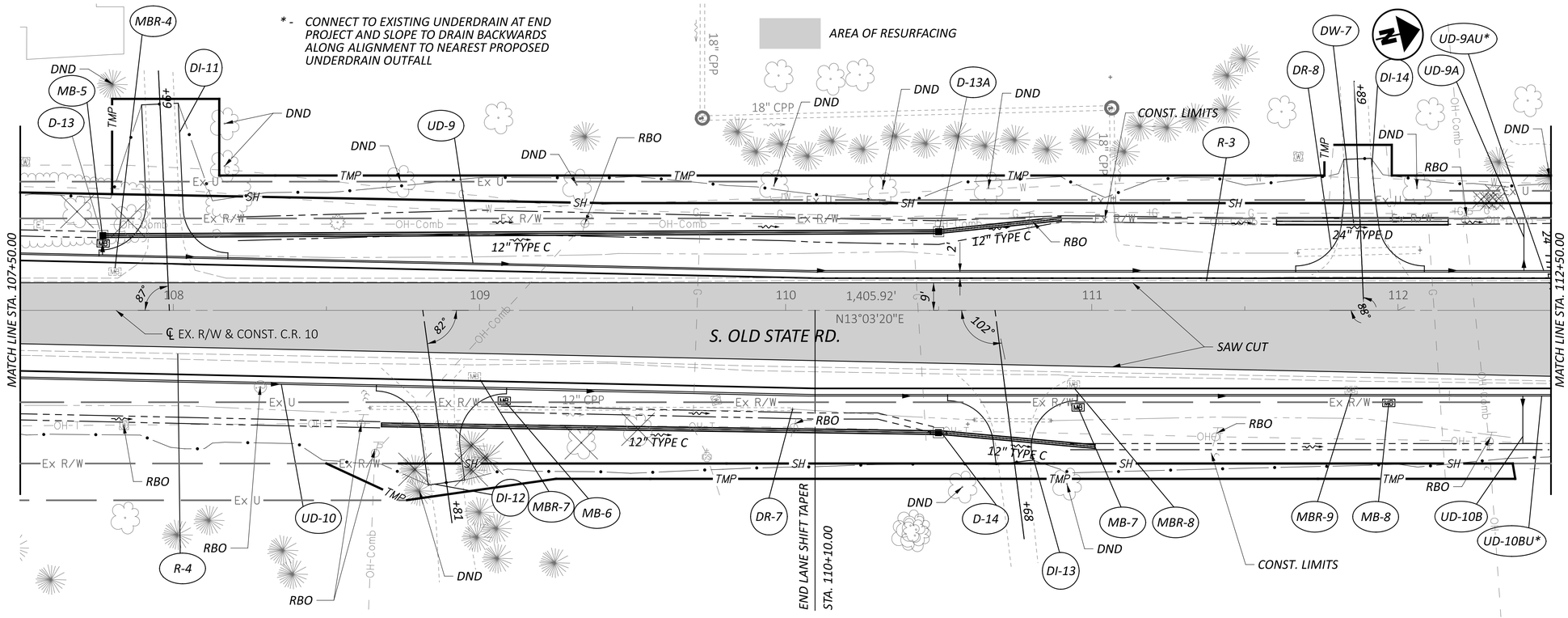

NOTE: PGL ELEVATIONS ARE 1-1/2" HIGHER THAN EXISTING ELEVATIONS SHOWN ON PROFILE

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - S. OLD STATE ROAD STA. 107+50 TO STA. 112+50

DEL-CR10-5.60

DESIGN AGENCY
HNTB

DESIGNER HRR
REVIEWER KKP 09/15/23
PROJECT ID 1901
SHEET P.46 TOTAL P.157

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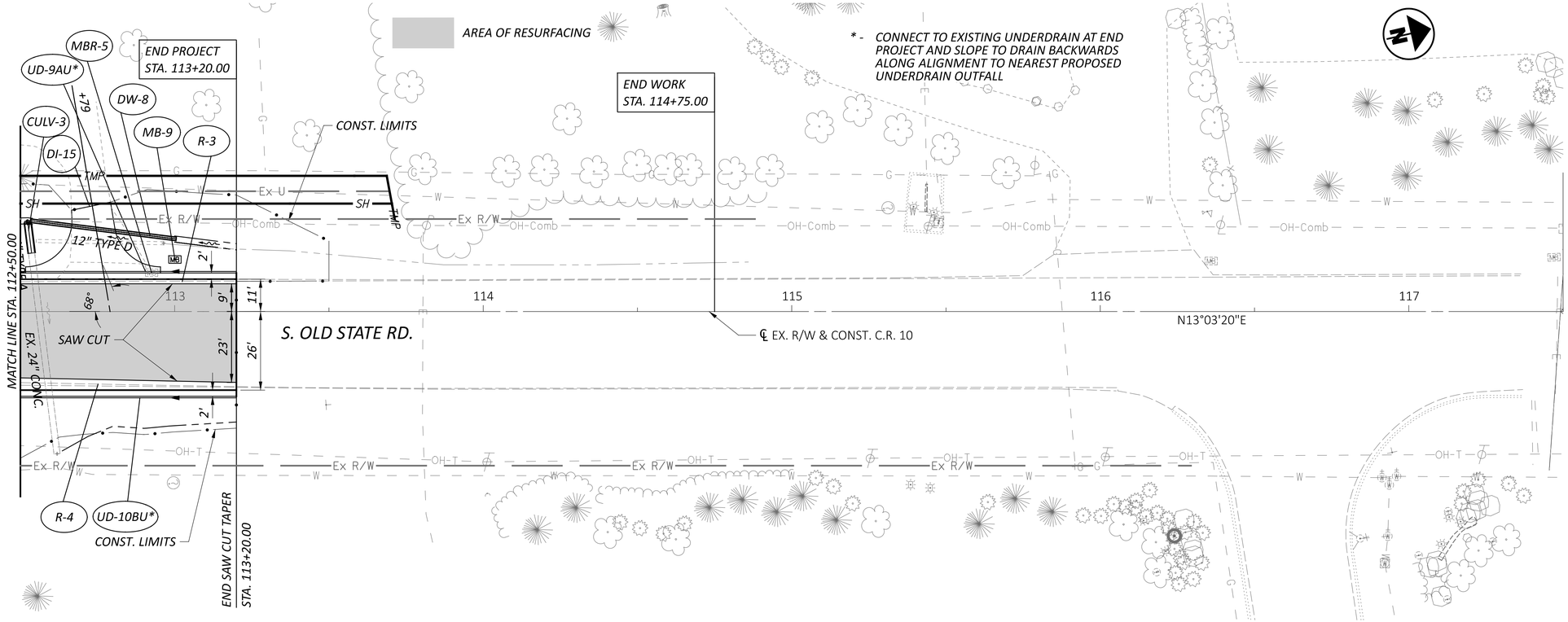
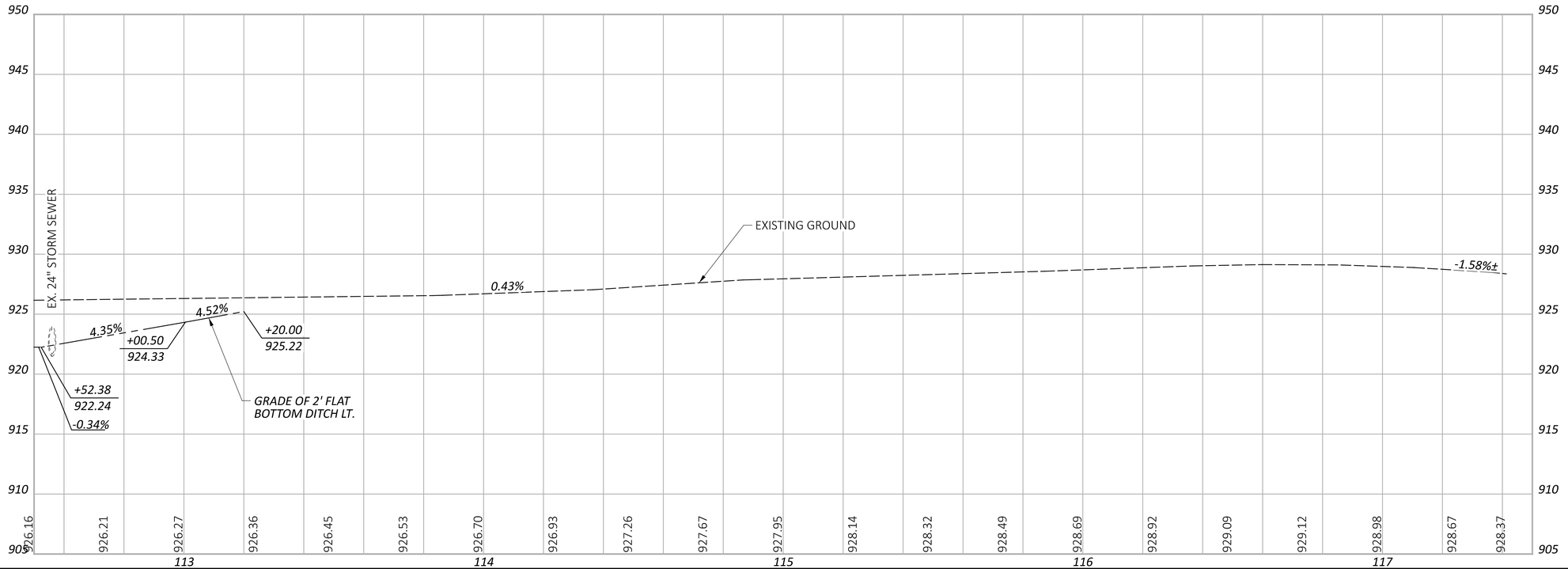
PLAN AND PROFILE - S. OLD STATE ROAD
STA. 112+50 TO END PROJECT





NOTE: PGL ELEVATIONS ARE 1-1/2" HIGHER THAN EXISTING ELEVATIONS SHOWN ON PROFILE

HORIZONTAL SCALE IN FEET
0 10 20 40

DESIGN AGENCY
HNTB

DESIGNER	HRR
REVIEWER	KKP 09/15/23
PROJECT ID	1901
SHEET	P.47
TOTAL	P.157

DEL-CR10-5.60

MODEL: RW1 - Plan 8 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:11:11 AM USER: asingleton
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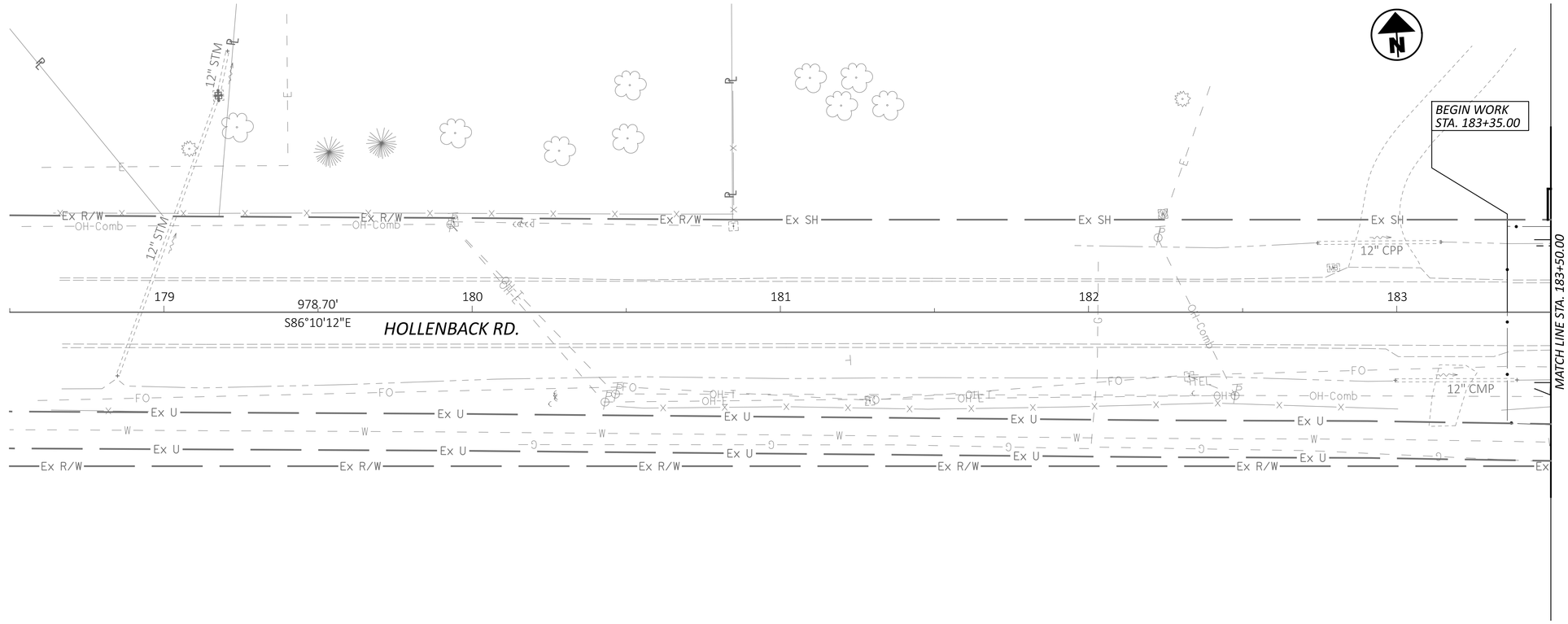

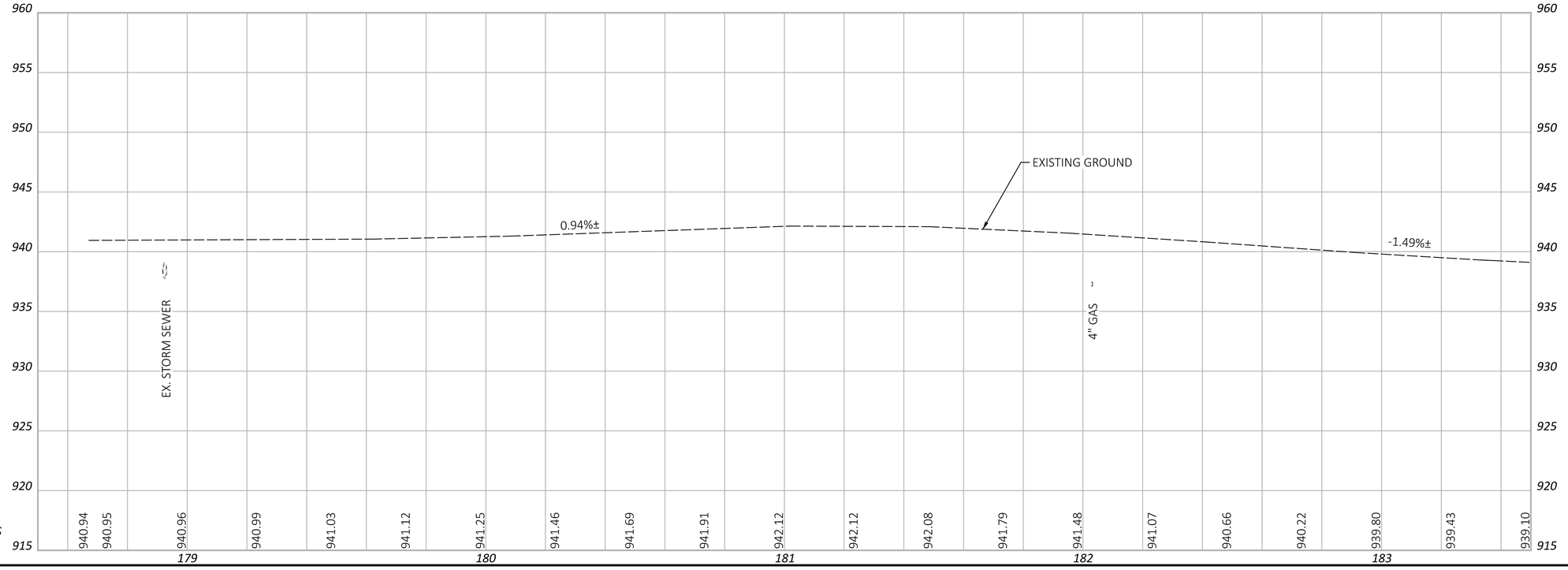

NOTE: PGL ELEVATIONS ARE 1-1/2" HIGHER THAN EXISTING ELEVATIONS SHOWN ON PROFILE

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - HOLLENBACK ROAD
BEGIN WORK TO STA. 183+50

DEL-CR10-5.60

MODEL: RW1 - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:11:30 AM USER: asingleton
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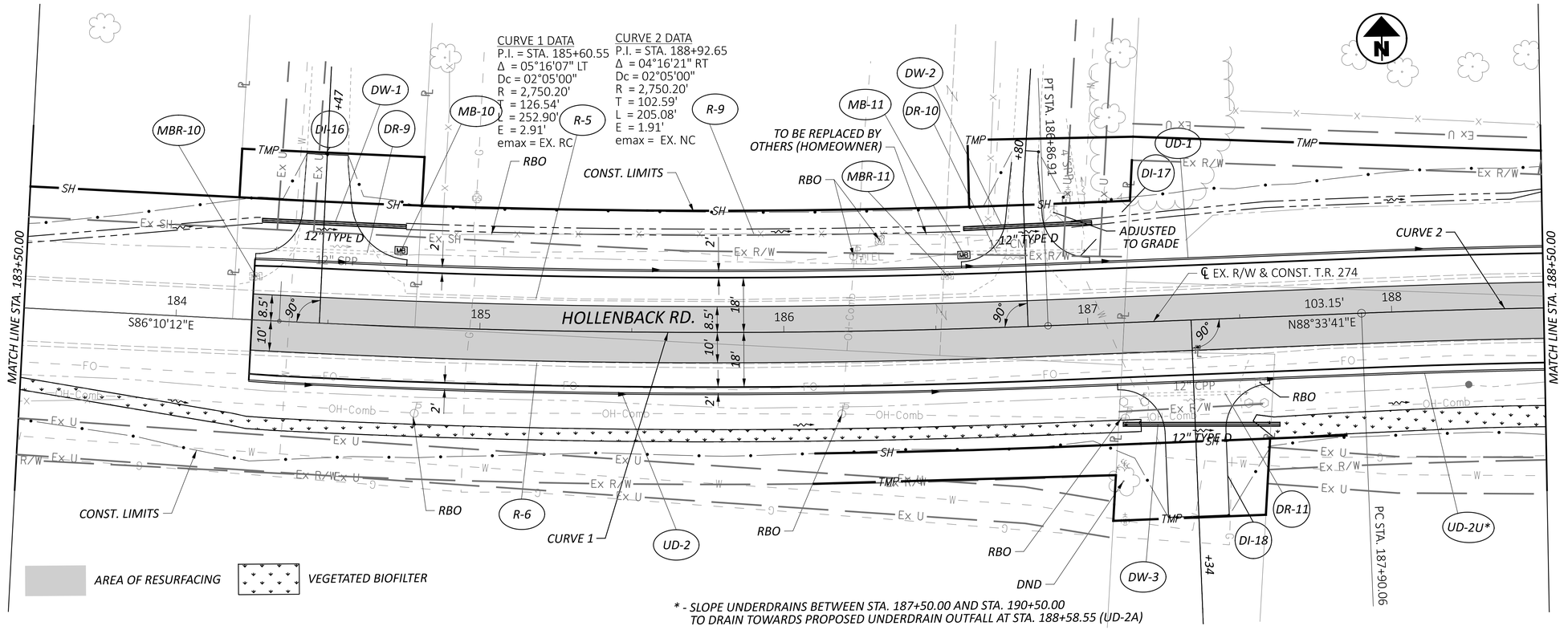
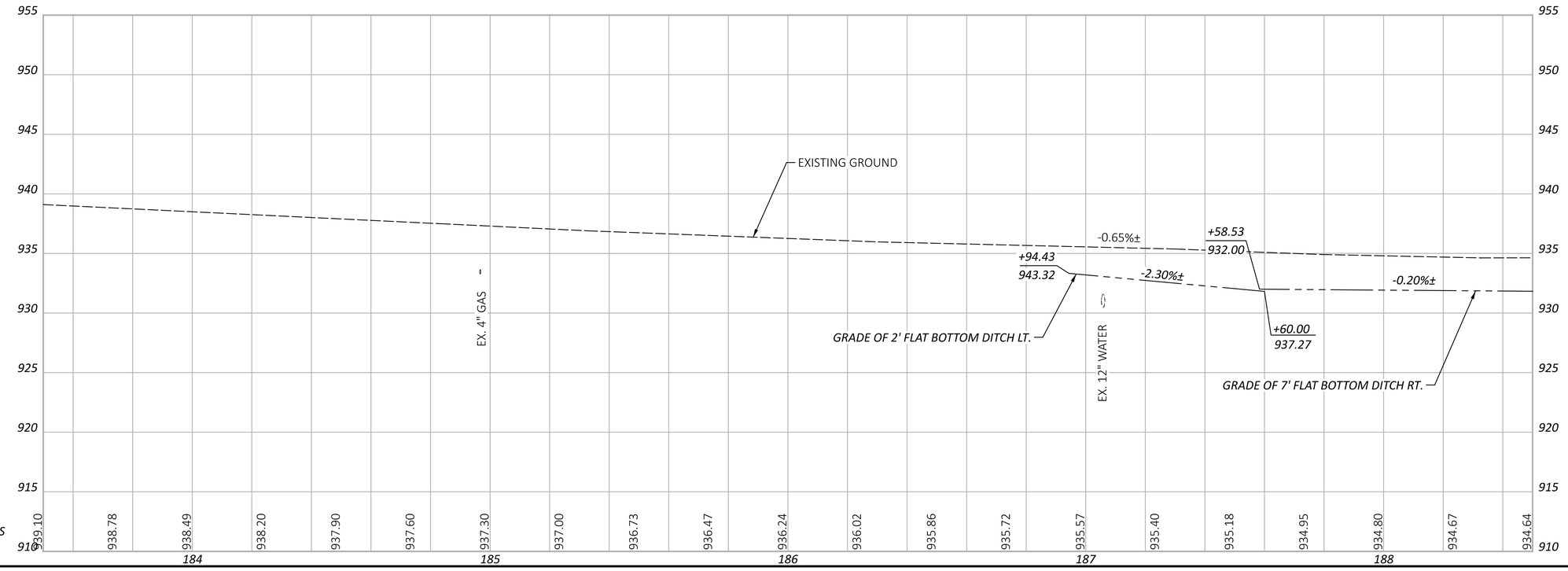
DESIGN AGENCY
HNTB

DESIGNER	HRR
REVIEWER	KKP 09/15/23
PROJECT ID	1901
SHEET	P.48
TOTAL	P.157

PLAN AND PROFILE - HOLLENBACK ROAD
STA. 183+50 TO STA. 188+50

HORIZONTAL SCALE IN FEET
0 10 20 40





NOTE: PGL ELEVATIONS ARE 1-1/2" HIGHER THAN EXISTING ELEVATIONS SHOWN ON PROFILE

DESIGN AGENCY
HNTB

DESIGNER	HRR
REVIEWER	KKP 09/15/23
PROJECT ID	1901
SHEET	P.49
TOTAL	P.157

DEL-CR10-5.60

MODEL: RW1 - Plan 2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:11:31 AM USER: asingleton
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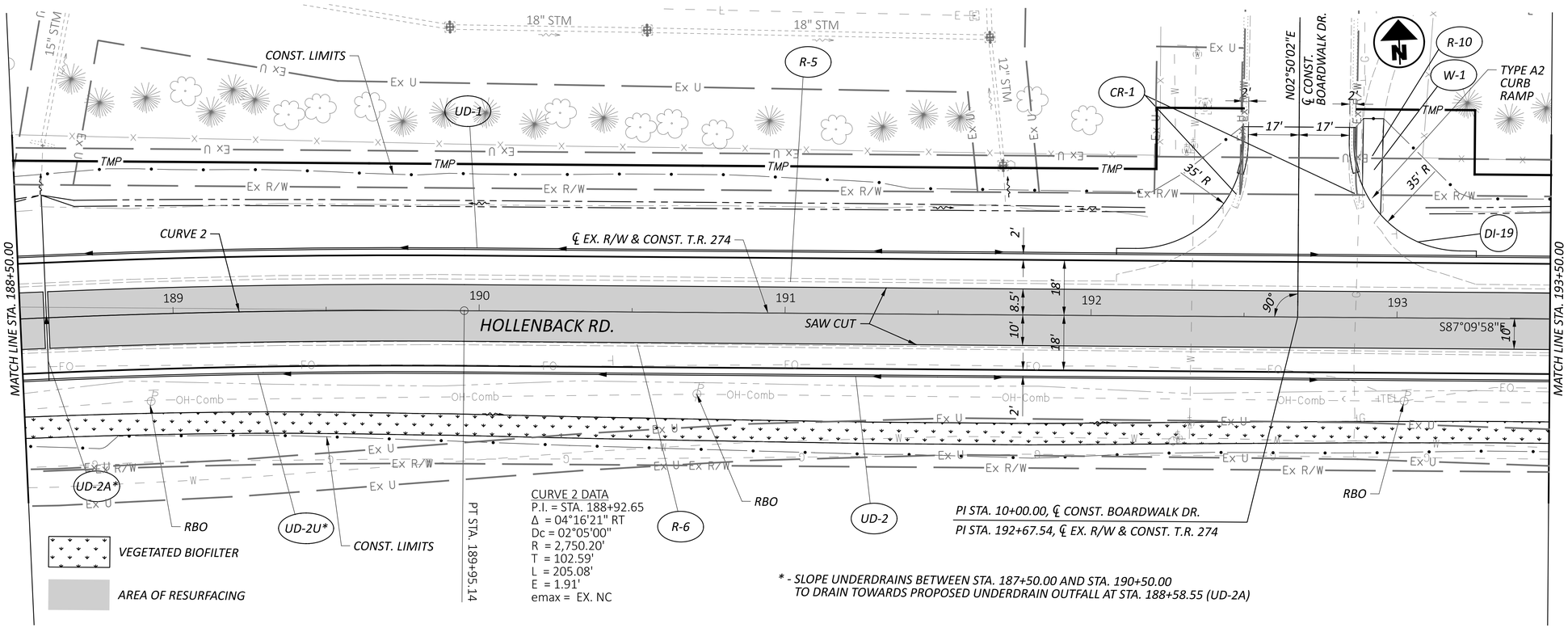

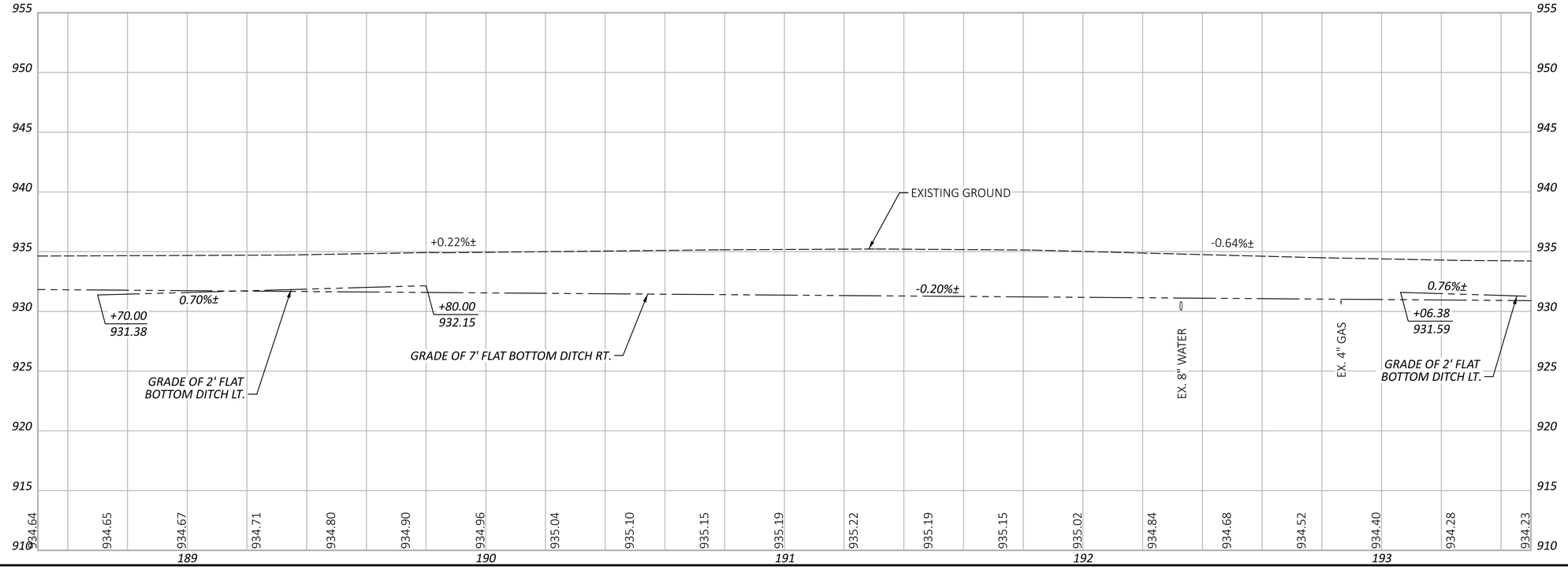

NOTE: PGL ELEVATIONS ARE 1-1/2" HIGHER THAN EXISTING ELEVATIONS SHOWN ON PROFILE

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - HOLLENBACK ROAD
STA. 188+50 TO STA. 193+50

DEL-CR10-5.60

DESIGN AGENCY
HNTB

DESIGNER	HRR
REVIEWER	KKP 09/15/23
PROJECT ID	1901
SHEET	P.50
TOTAL	P.157

MODEL: RW1 - Plan 3 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:11:31 AM USER: asingleton
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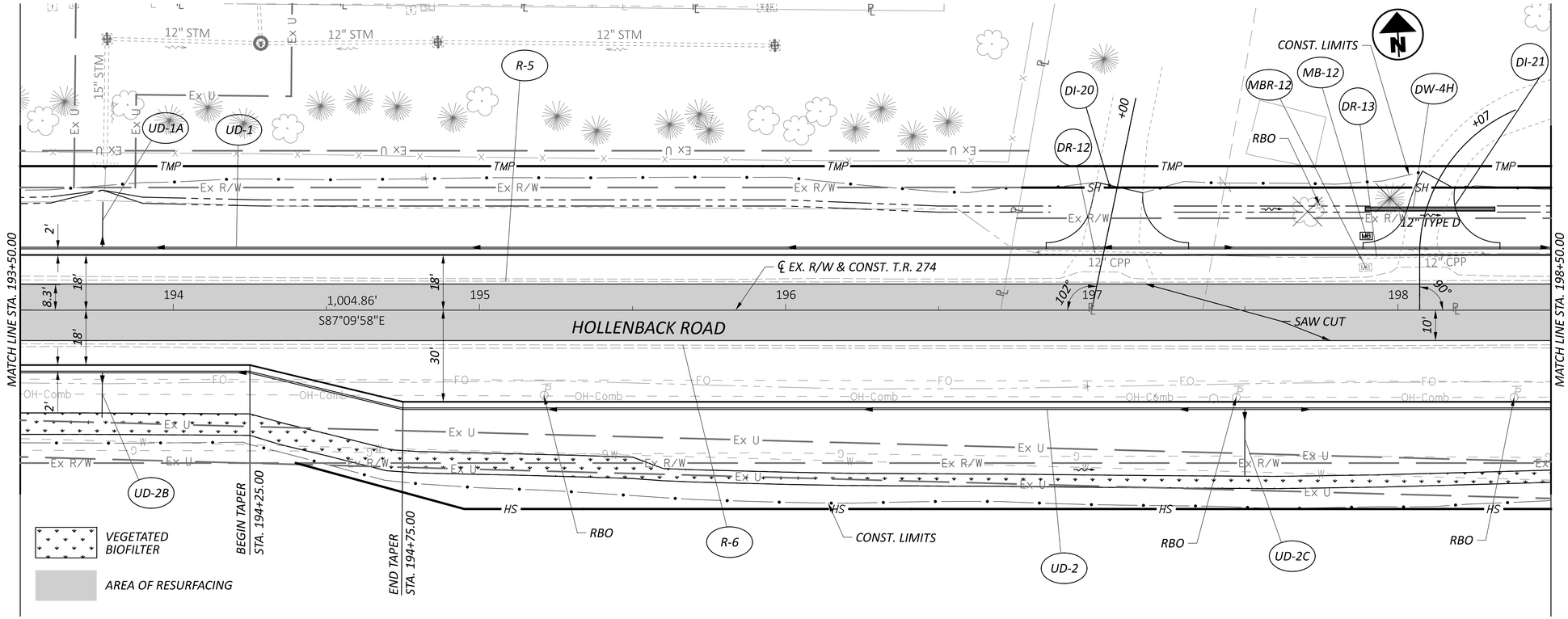

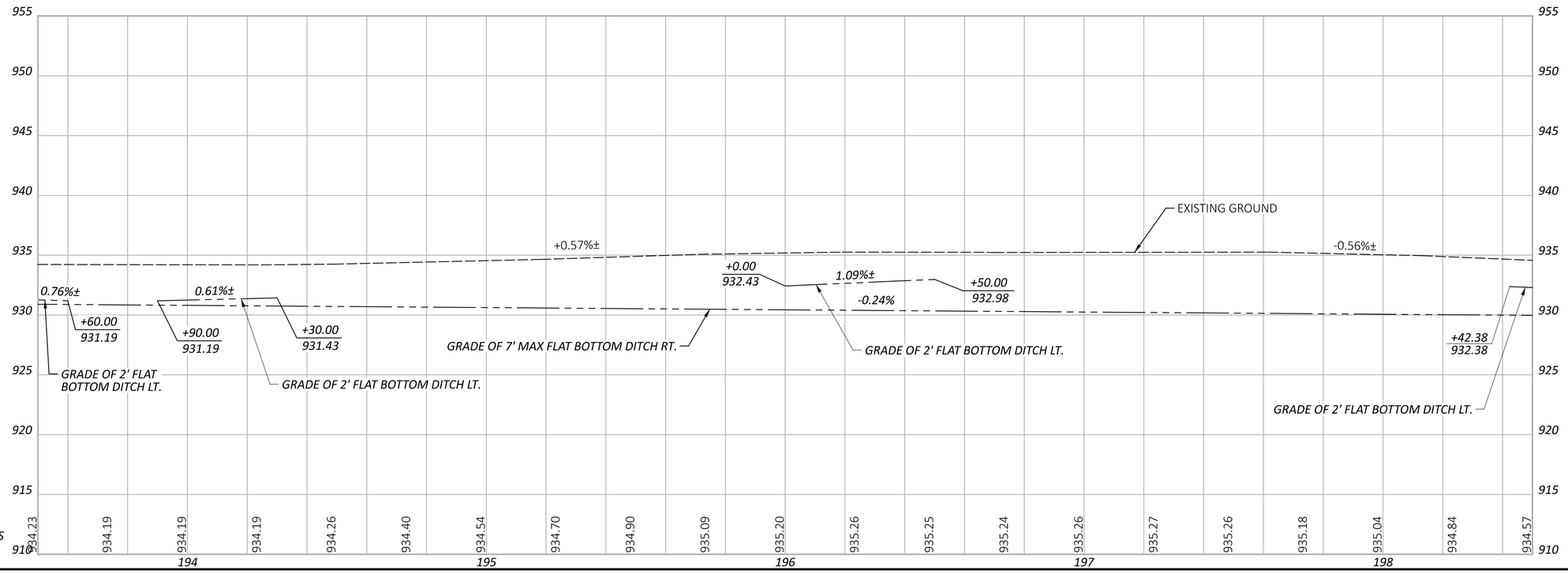

NOTE: PGL ELEVATIONS ARE 1-1/2" HIGHER THAN EXISTING ELEVATIONS SHOWN ON PROFILE

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - HOLLENBACK ROAD STA. 193+50 TO STA. 198+50

DEL-CR10-5.60

MODEL: RW1 - Plan & Sheet PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:11:32 AM USER: asingleton
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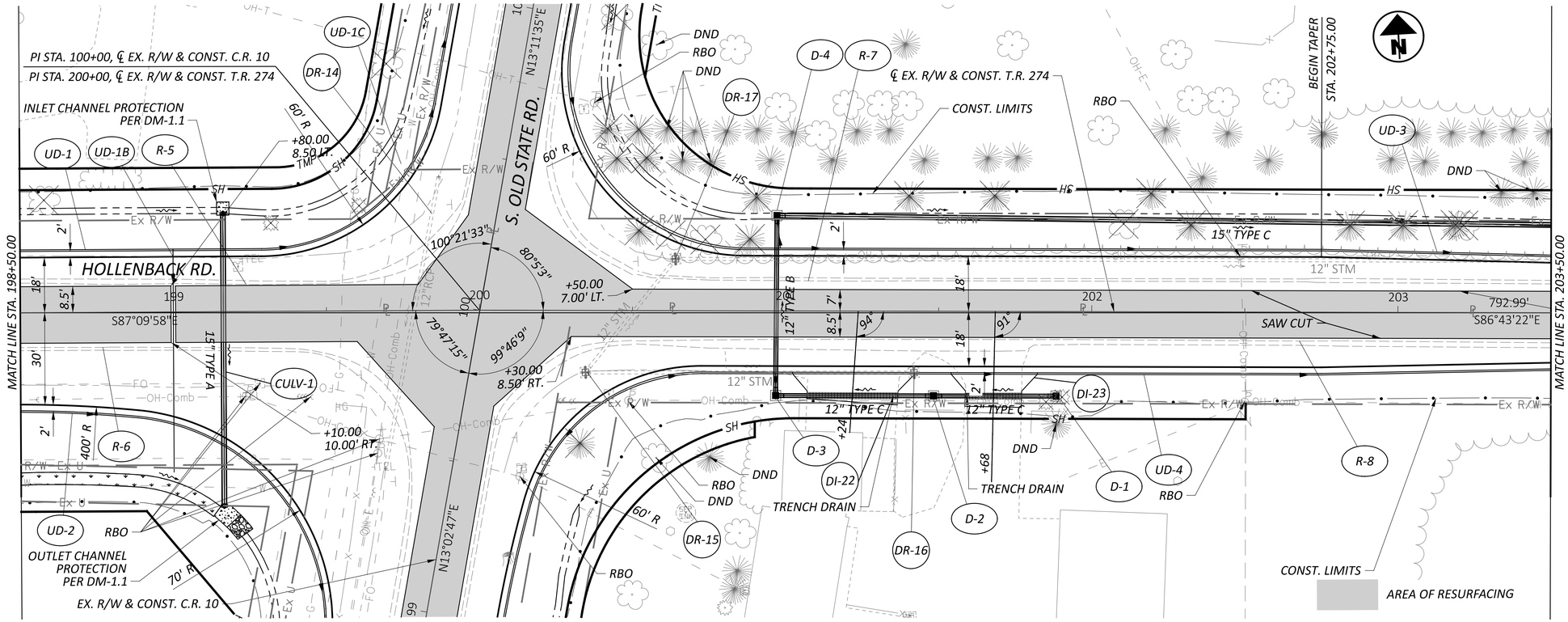
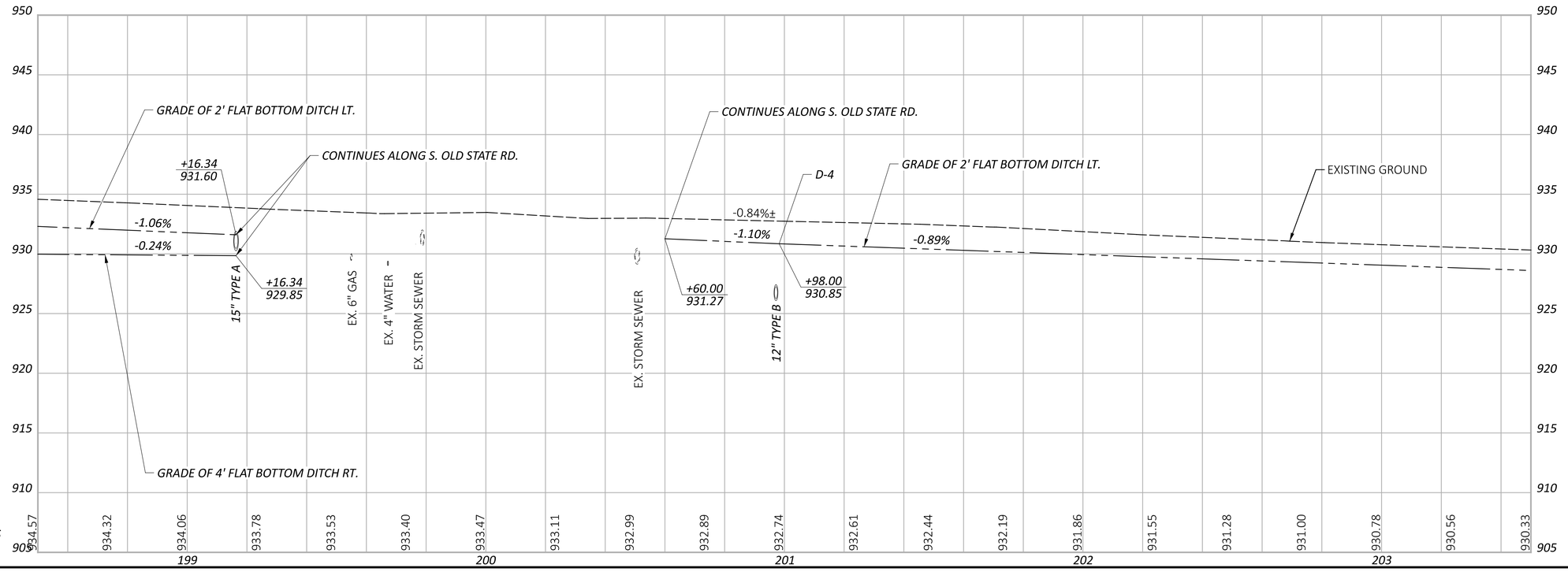
DESIGN AGENCY
HNTB

DESIGNER	HRR
REVIEWER	KKP 09/15/23
PROJECT ID	1901
SHEET	P.51
TOTAL	P.157



NOTE: THE GARAGE IN THE SOUTHEAST PROPERTY IS 21' FROM THE ROADWAY EDGE OF PAVEMENT AND 4' TO THE PROPOSED R/W



NOTE: PGL ELEVATIONS ARE 1-1/2" HIGHER THAN EXISTING ELEVATIONS SHOWN ON PROFILE

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - HOLLENBACK ROAD
STA. 198+50 TO STA. 203+50

DESIGN AGENCY
HNTB

DESIGNER	HRR
REVIEWER	KKP 09/15/23
PROJECT ID	1901
SHEET	P.52
TOTAL	P.157

DEL-CR10-5.60

MODEL: RW1 - Plan 5 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:11:33 AM USER: asingleton
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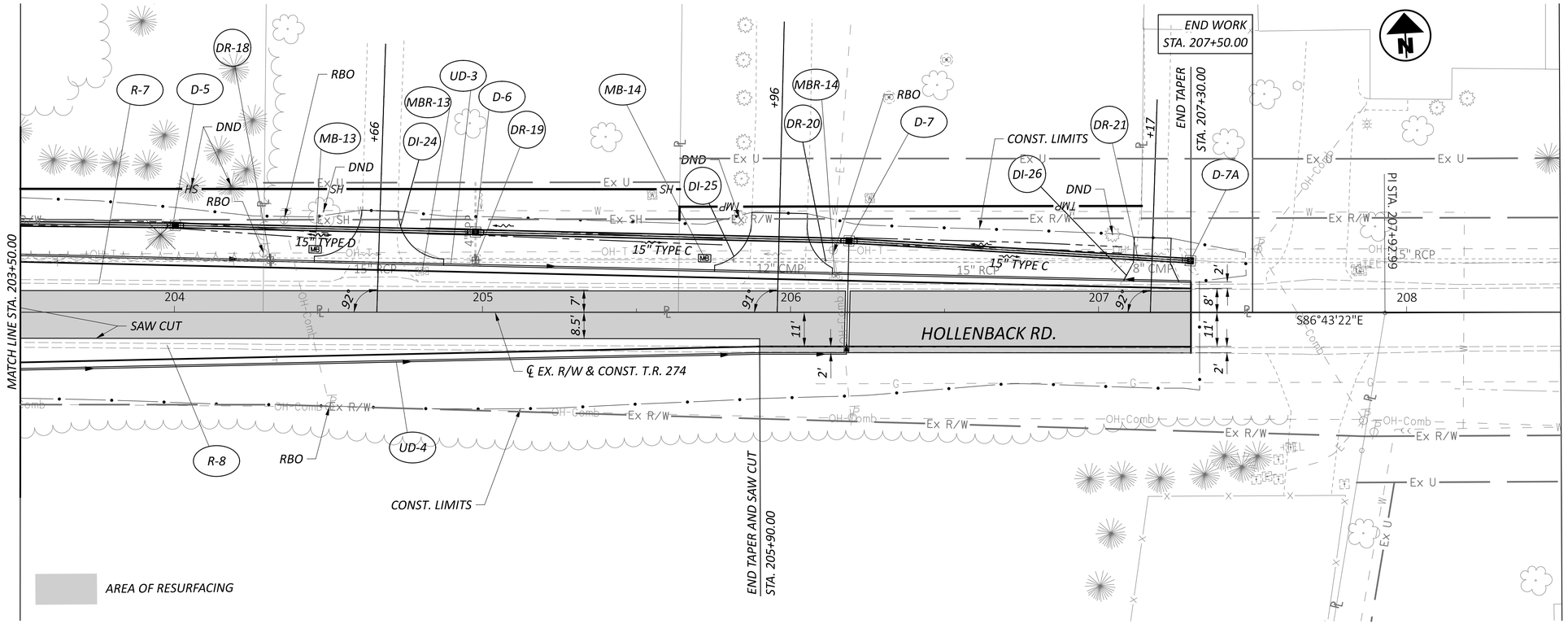

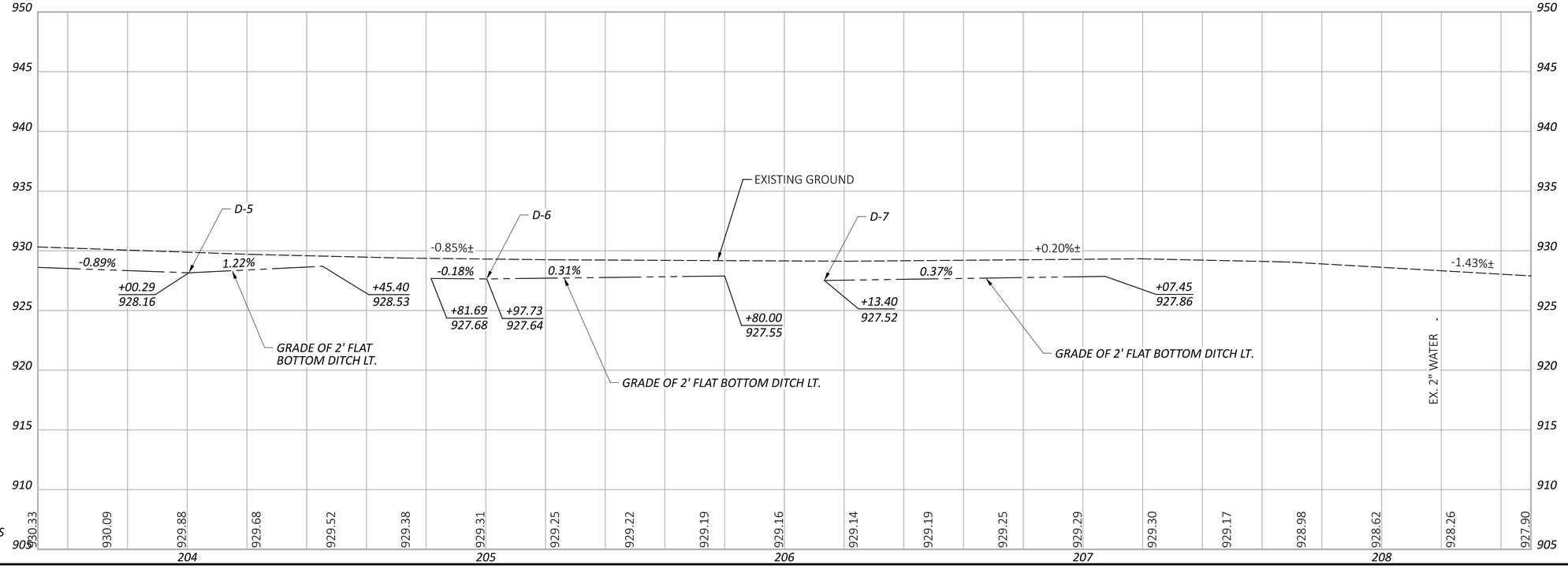

NOTE: PGL ELEVATIONS ARE 1-1/2" HIGHER THAN EXISTING ELEVATIONS SHOWN ON PROFILE

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - HOLLENBACK ROAD STA. 203+50 TO END WORK

DEL-CR10-5.60

DESIGN AGENCY
HNTB

DESIGNER HRR
REVIEWER KKP 09/15/23
PROJECT ID 1901
SHEET P.53 TOTAL P.157

MODEL: RW1 - Plan 6 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:11:33 AM USER: asingleton
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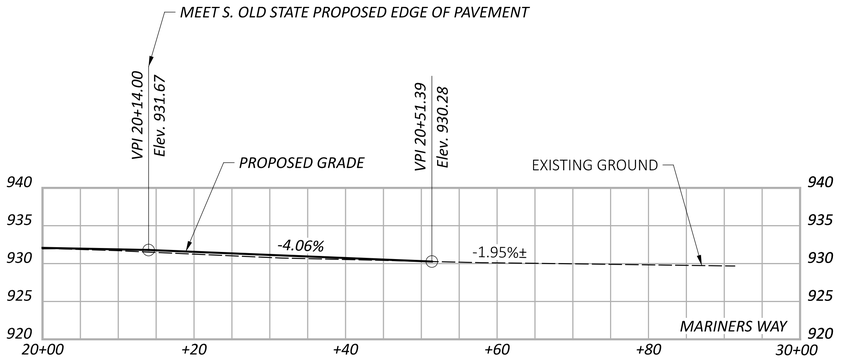

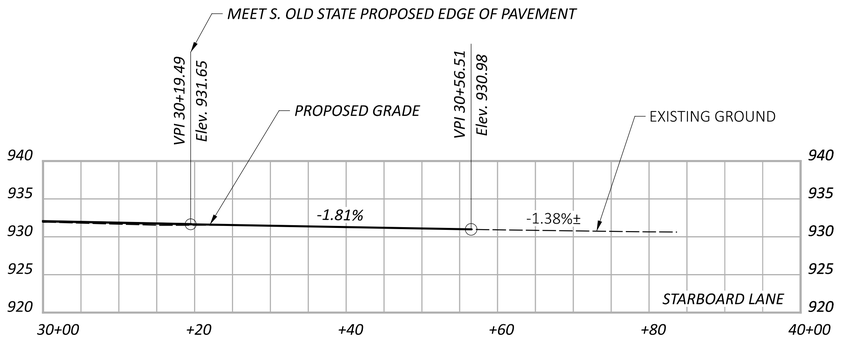

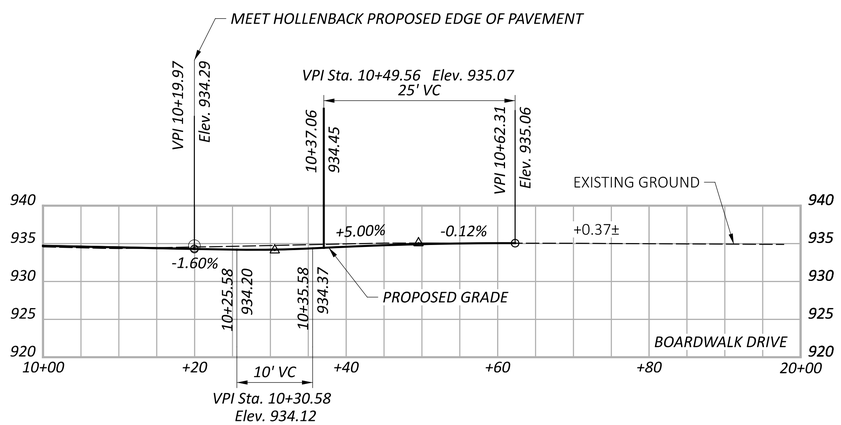

DEL-CR10-5.60

MODEL: Side Street Profiles [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:11:50 AM USER: asingleton
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SIDE STREET PROFILES

DESIGN AGENCY
HNTB

DESIGNER
HRR

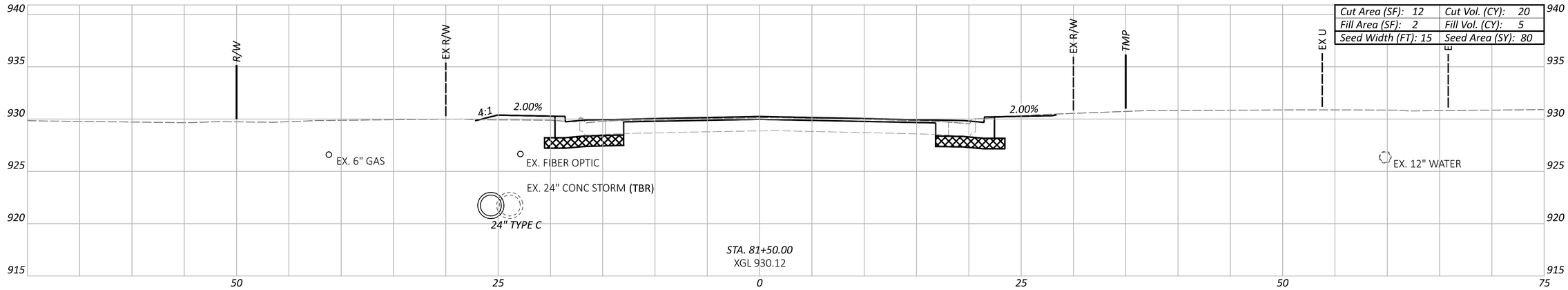
REVIEWER
KPP 10/03/23

PROJECT ID
1901

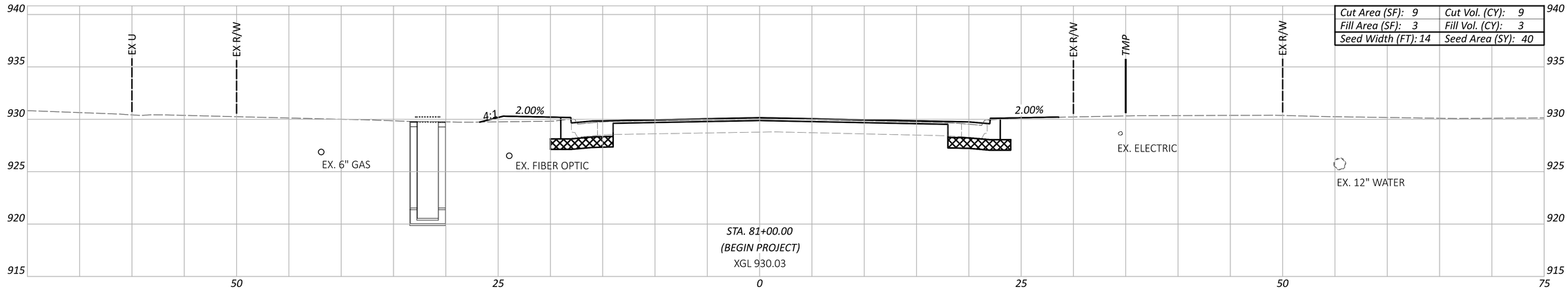
SHEET P.54 TOTAL P.157

LEGEND

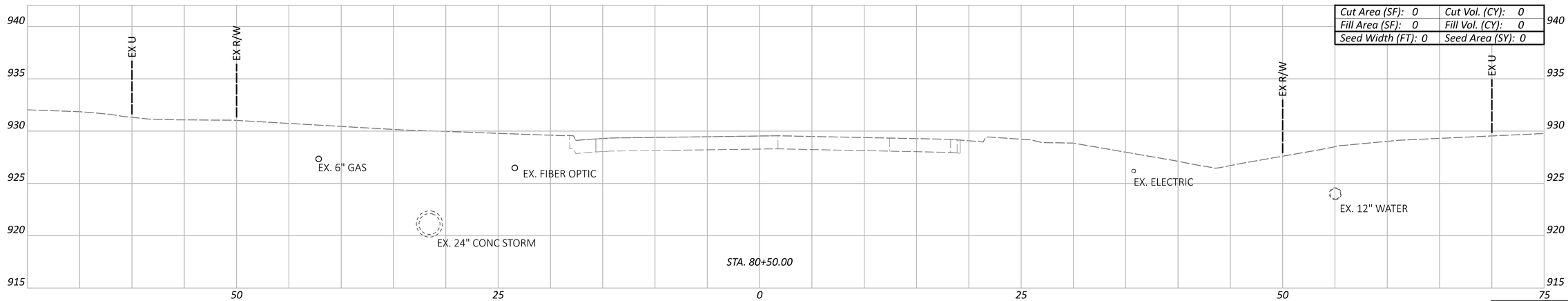
CHEMICALLY STABILIZED SUBGRADE



Cut Area (SF): 12	Cut Vol. (CY): 20
Fill Area (SF): 2	Fill Vol. (CY): 5
Seed Width (FT): 15	Seed Area (SY): 80



Cut Area (SF): 9	Cut Vol. (CY): 9
Fill Area (SF): 3	Fill Vol. (CY): 3
Seed Width (FT): 14	Seed Area (SY): 40



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

Sheet Totals		
Seeding	Cut	Fill
120	29	8

DEL-CR10-5.60

MODEL: RW1 - 80+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:11:58 AM USER: asingleton
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CROSS SECTIONS - C.R. 10
BEGIN WORK TO STA. 81+50

DESIGN AGENCY

HNTB

DESIGNER NRE

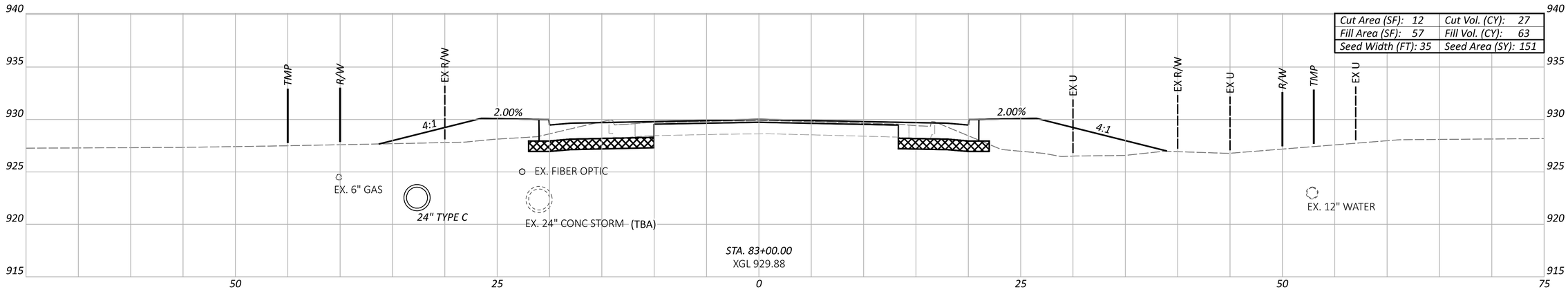
REVIEWER KKP 08/01/24

PROJECT ID 1901

SHEET P.55 TOTAL P.157

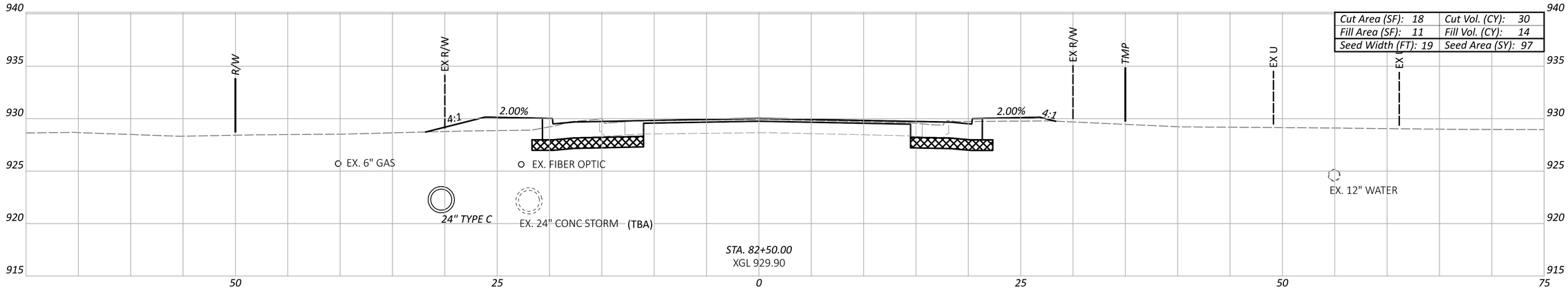
LEGEND

CHEMICALLY STABILIZED SUBGRADE



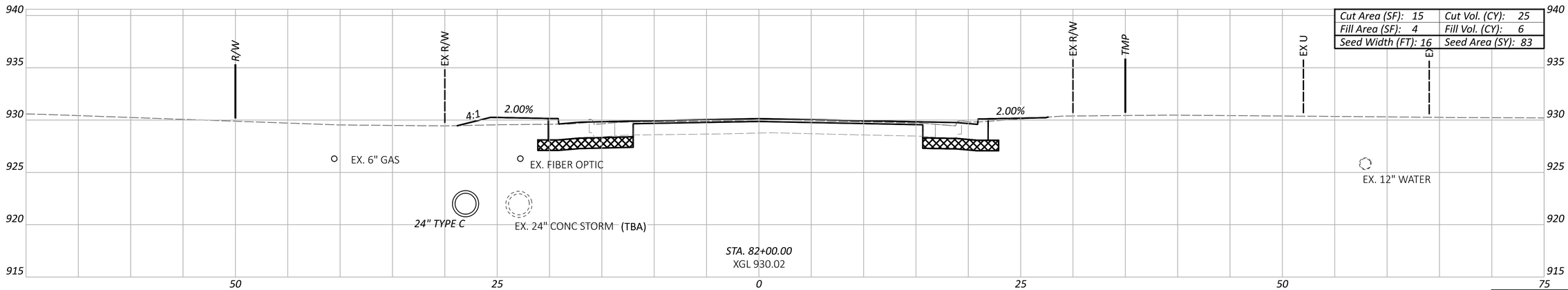
Cut Area (SF): 12	Cut Vol. (CY): 27
Fill Area (SF): 57	Fill Vol. (CY): 63
Seed Width (FT): 35	Seed Area (SY): 151

STA. 83+00.00
XGL 929.88



Cut Area (SF): 18	Cut Vol. (CY): 30
Fill Area (SF): 11	Fill Vol. (CY): 14
Seed Width (FT): 19	Seed Area (SY): 97

STA. 82+50.00
XGL 929.90



Cut Area (SF): 15	Cut Vol. (CY): 25
Fill Area (SF): 4	Fill Vol. (CY): 6
Seed Width (FT): 16	Seed Area (SY): 83

STA. 82+00.00
XGL 930.02

Sheet Totals		
Seeding	Cut	Fill
331	82	83

CROSS SECTIONS - C.R. 10
STA. 82+00 TO STA. 83+00

DESIGN AGENCY
HNTB

DESIGNER
NRE

REVIEWER
KKP 08/01/24

PROJECT ID
1901

SHEET P.56 | TOTAL P.157

DEL-CR10-5.60

MODEL: RW1 - 82+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:11:59 AM USER: asingleton
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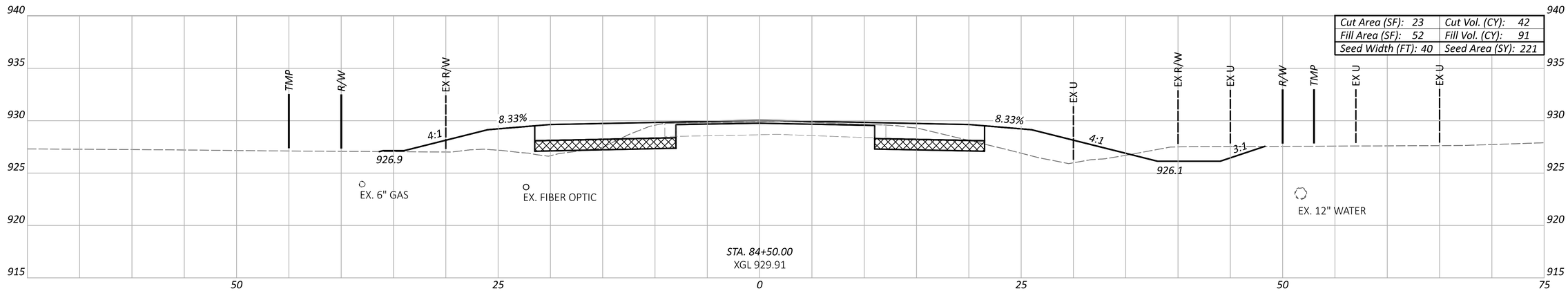
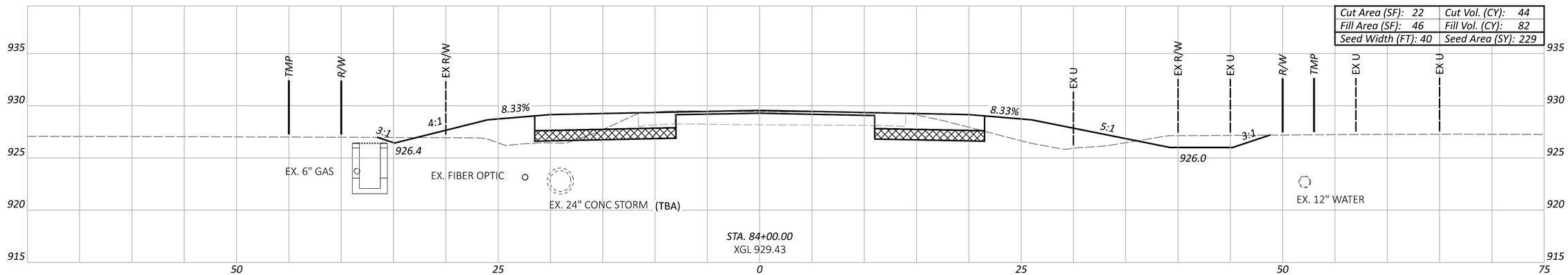
LEGEND

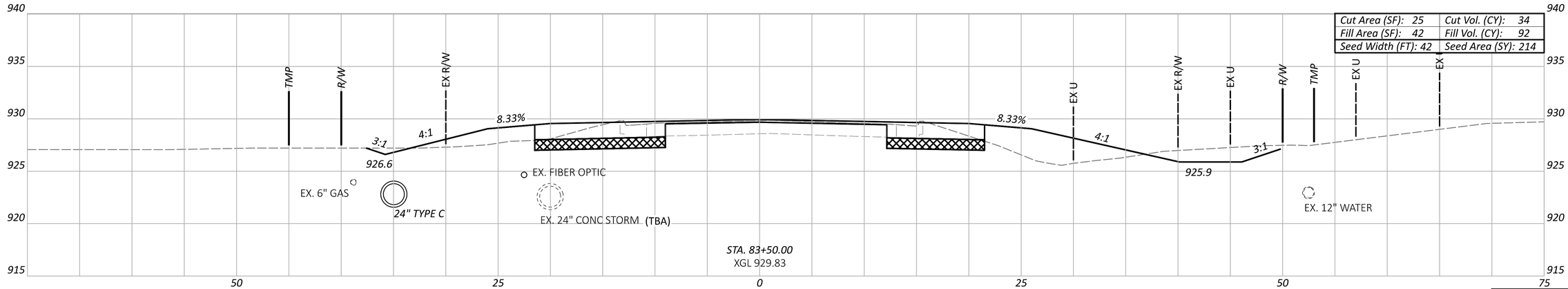
CHEMICALLY STABILIZED SUBGRADE



Cut Area (SF): 23	Cut Vol. (CY): 42
Fill Area (SF): 52	Fill Vol. (CY): 91
Seed Width (FT): 40	Seed Area (SY): 221



Cut Area (SF): 22	Cut Vol. (CY): 44
Fill Area (SF): 46	Fill Vol. (CY): 82
Seed Width (FT): 40	Seed Area (SY): 229



Cut Area (SF): 25	Cut Vol. (CY): 34
Fill Area (SF): 42	Fill Vol. (CY): 92
Seed Width (FT): 42	Seed Area (SY): 214

Sheet Totals		
Seeding	Cut	Fill
665	120	265

CROSS SECTIONS - C.R. 10
STA. 83+50 TO STA. 84+50

DESIGN AGENCY
HNTB

DESIGNER
NRE

REVIEWER
KKP 08/01/24

PROJECT ID
1901

SHEET P.57 TOTAL P.157

DEL-CR10-5.60

MODEL: RW1 - 83+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:00 AM USER: asingleton
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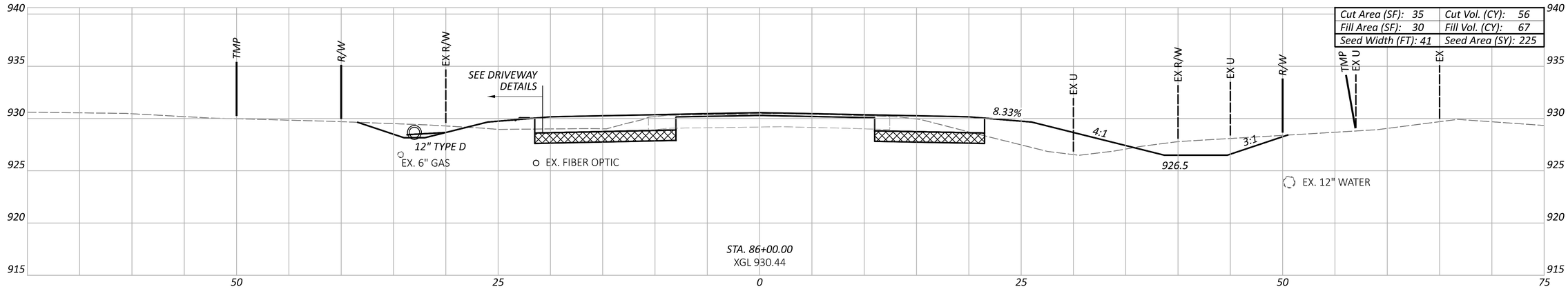
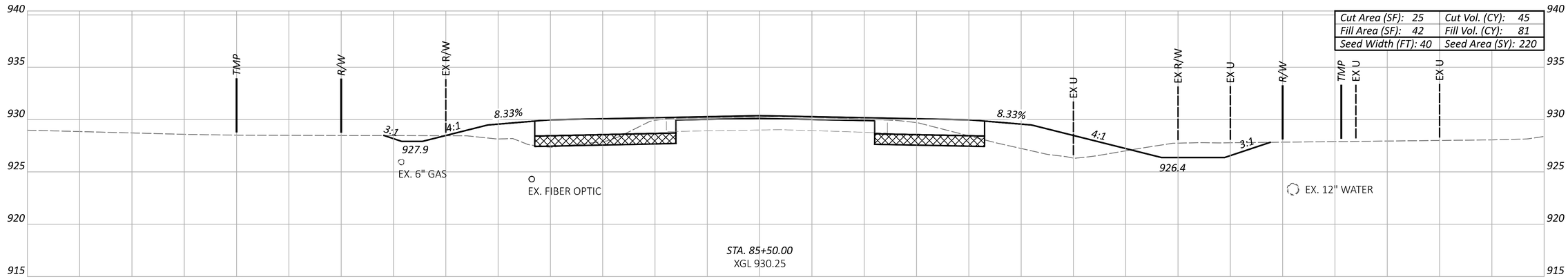
LEGEND

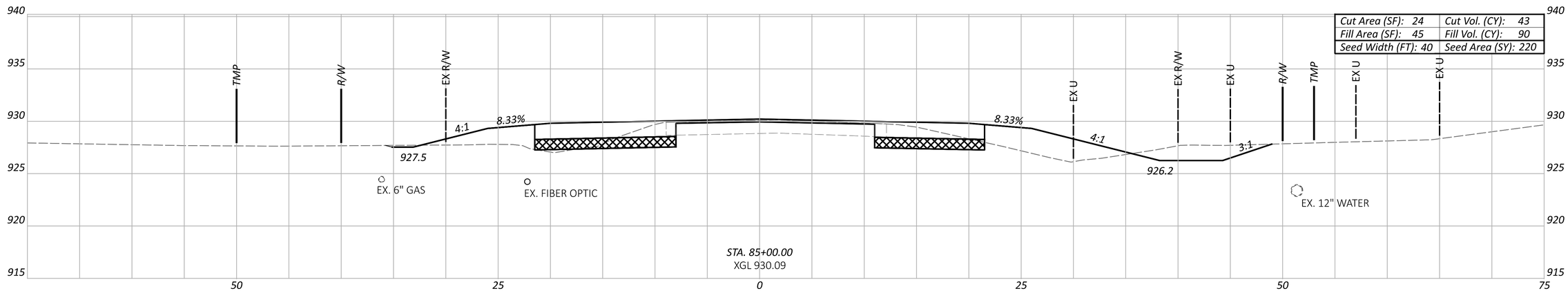
CHEMICALLY STABILIZED SUBGRADE



Cut Area (SF): 35	Cut Vol. (CY): 56
Fill Area (SF): 30	Fill Vol. (CY): 67
Seed Width (FT): 41	Seed Area (SY): 225



Cut Area (SF): 25	Cut Vol. (CY): 45
Fill Area (SF): 42	Fill Vol. (CY): 81
Seed Width (FT): 40	Seed Area (SY): 220



Cut Area (SF): 24	Cut Vol. (CY): 43
Fill Area (SF): 45	Fill Vol. (CY): 90
Seed Width (FT): 40	Seed Area (SY): 220

Sheet Totals		
Seeding	Cut	Fill
665	144	238

CROSS SECTIONS - C.R. 10
STA. 85+00 TO STA. 86+00

DESIGN AGENCY

HNTB

DESIGNER	NRE
REVIEWER	KKP 08/01/24
PROJECT ID	1901
SHEET	P.58
TOTAL	P.157

DEL-CR10-5.60

MODEL: RW1 - 85+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:01 AM USER: asingleton
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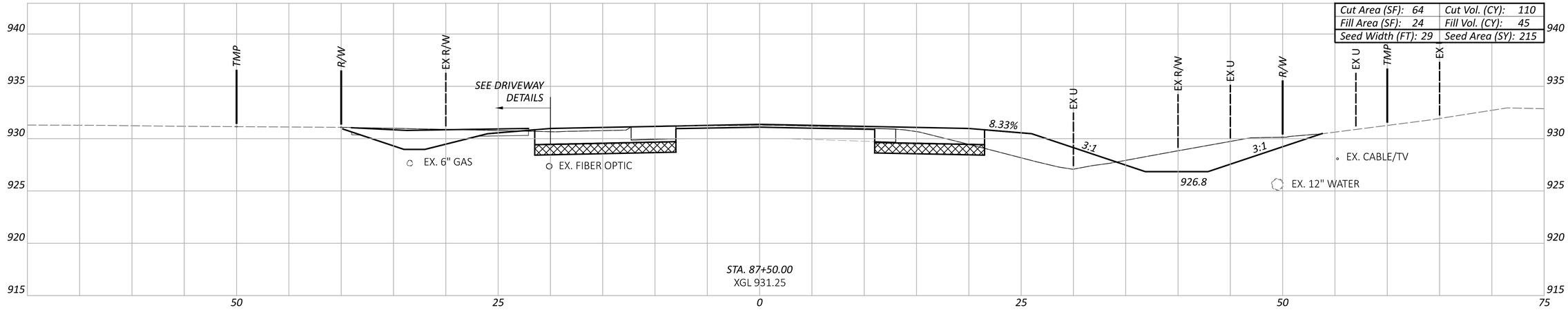
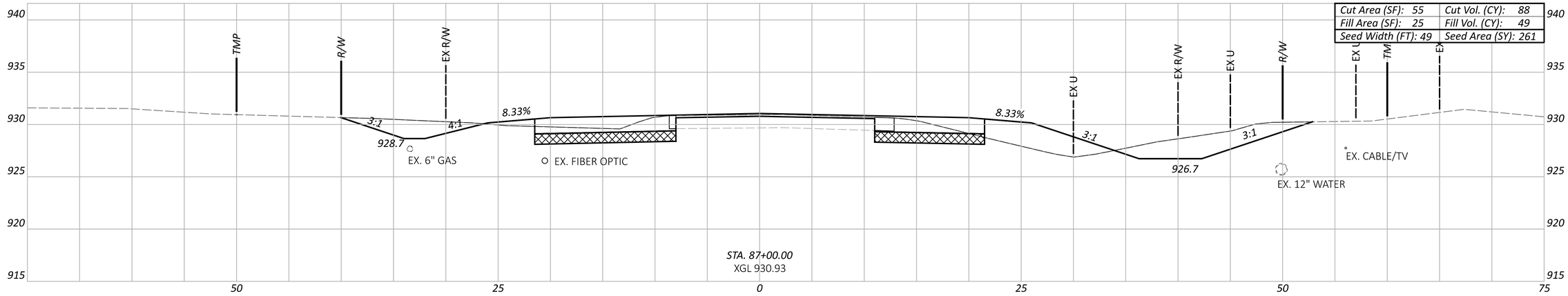
LEGEND

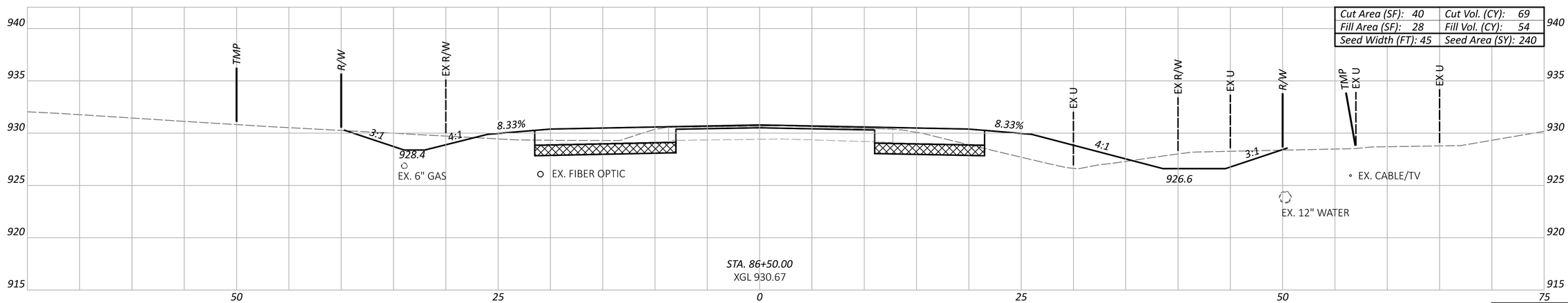
CHEMICALLY STABILIZED SUBGRADE



Cut Area (SF): 64	Cut Vol. (CY): 110
Fill Area (SF): 24	Fill Vol. (CY): 45
Seed Width (FT): 29	Seed Area (SY): 215



Cut Area (SF): 55	Cut Vol. (CY): 88
Fill Area (SF): 25	Fill Vol. (CY): 49
Seed Width (FT): 49	Seed Area (SY): 261



Cut Area (SF): 40	Cut Vol. (CY): 69
Fill Area (SF): 28	Fill Vol. (CY): 54
Seed Width (FT): 45	Seed Area (SY): 240

Sheet Totals		
Seeding	Cut	Fill
717	267	148

CROSS SECTIONS - C.R. 10
STA. 86+50 TO STA. 87+50

DESIGN AGENCY
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PROJECT ID
1901

SHEET P.59 | TOTAL P.157

DEL-CR10-5.60

MODEL: RW1 - 86+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:02 AM USER: asingleton
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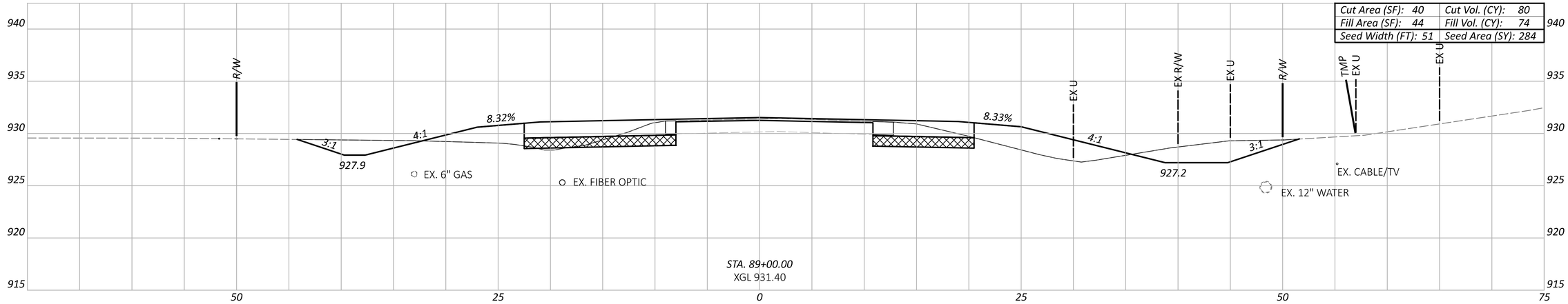
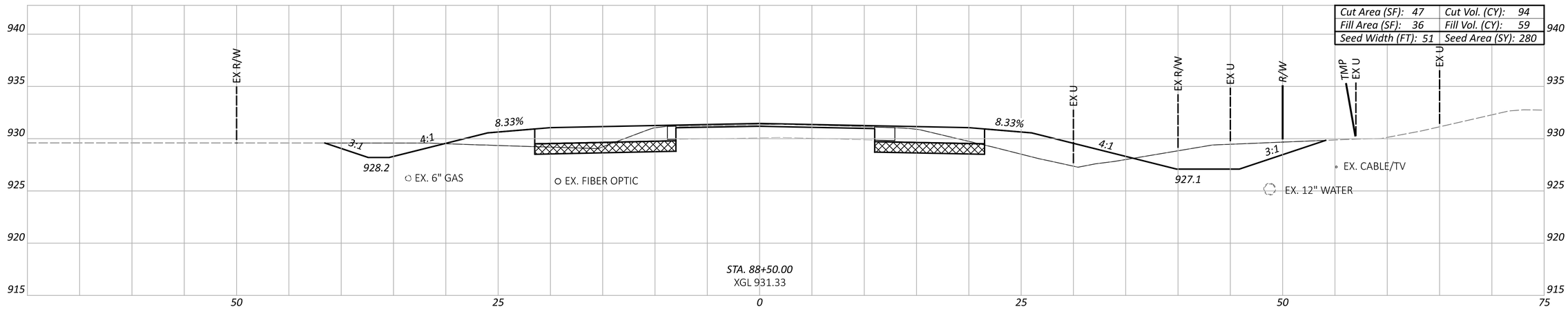
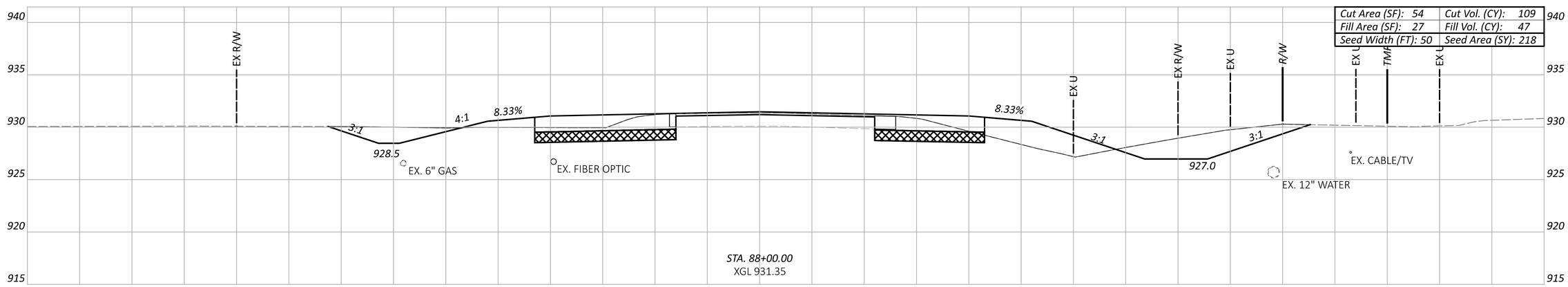
LEGEND

CHEMICALLY STABILIZED SUBGRADE







Sheet Totals		
Seeding	Cut	Fill
782	283	180

DEL-CR10-5.60

MODEL: RW1 - 88+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:03 AM USER: asingleton
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CROSS SECTIONS - C.R. 10
STA. 88+00 TO STA. 89+00

DESIGN AGENCY
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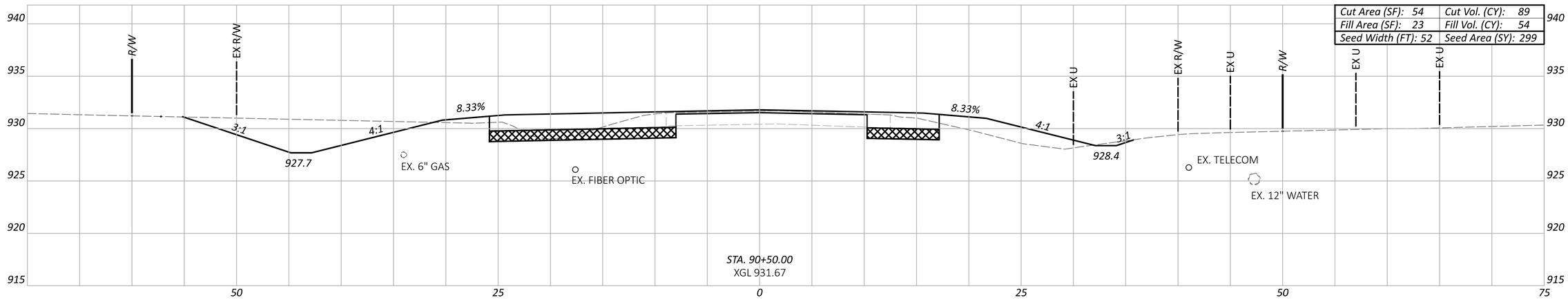
KKP 08/01/24

PROJECT ID
1901

SHEET	TOTAL
P.60	P.157

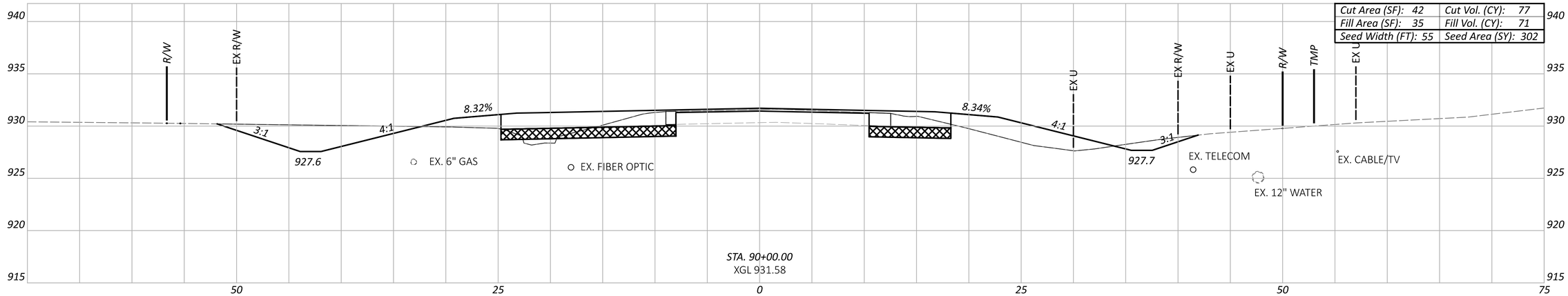
LEGEND

CHEMICALLY STABILIZED SUBGRADE



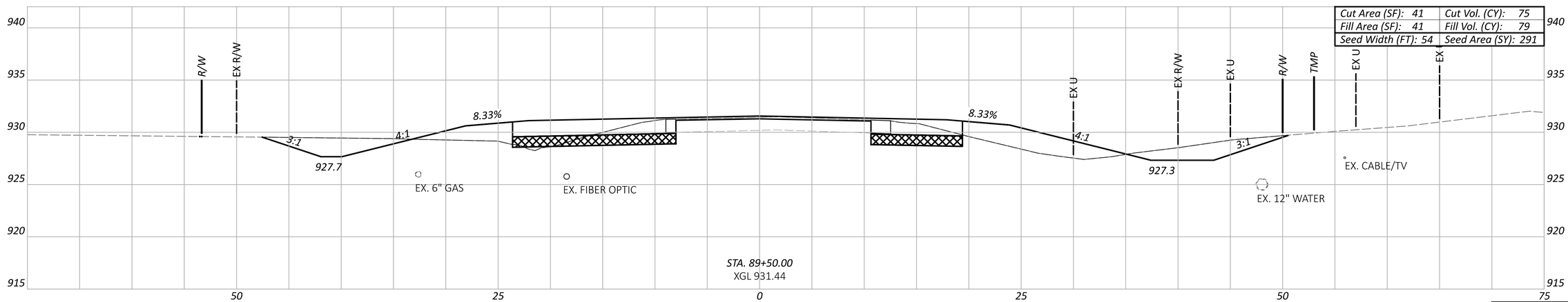
STA. 90+50.00
XGL 931.67

Cut Area (SF): 54	Cut Vol. (CY): 89
Fill Area (SF): 23	Fill Vol. (CY): 54
Seed Width (FT): 52	Seed Area (SY): 299



STA. 90+00.00
XGL 931.58

Cut Area (SF): 42	Cut Vol. (CY): 77
Fill Area (SF): 35	Fill Vol. (CY): 71
Seed Width (FT): 55	Seed Area (SY): 302



STA. 89+50.00
XGL 931.44

Cut Area (SF): 41	Cut Vol. (CY): 75
Fill Area (SF): 41	Fill Vol. (CY): 79
Seed Width (FT): 54	Seed Area (SY): 291

Sheet Totals		
Seeding	Cut	Fill
892	241	204

CROSS SECTIONS - C.R. 10
STA. 89+50 TO STA. 90+50

DESIGN AGENCY
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1901

SHEET P.61 TOTAL P.157

DEL-CR10-5.60

MODEL: RW1 - 89+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:04 AM USER: asingleton
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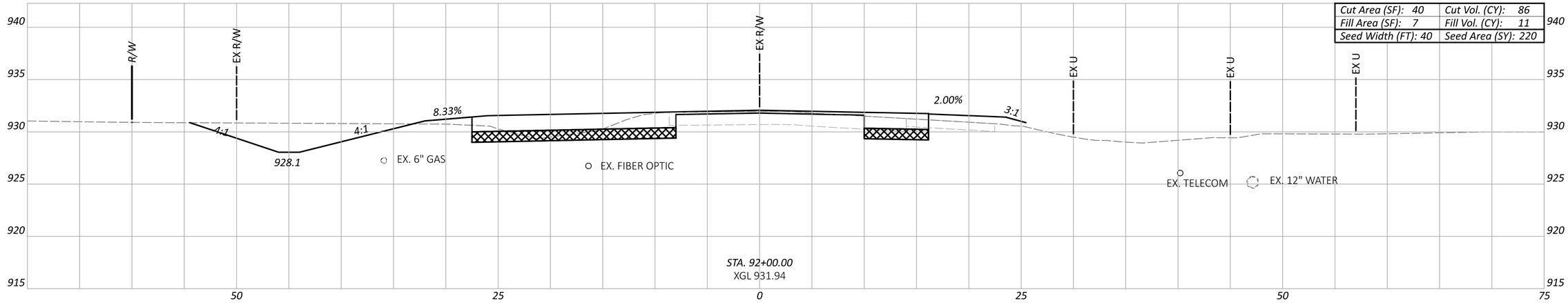
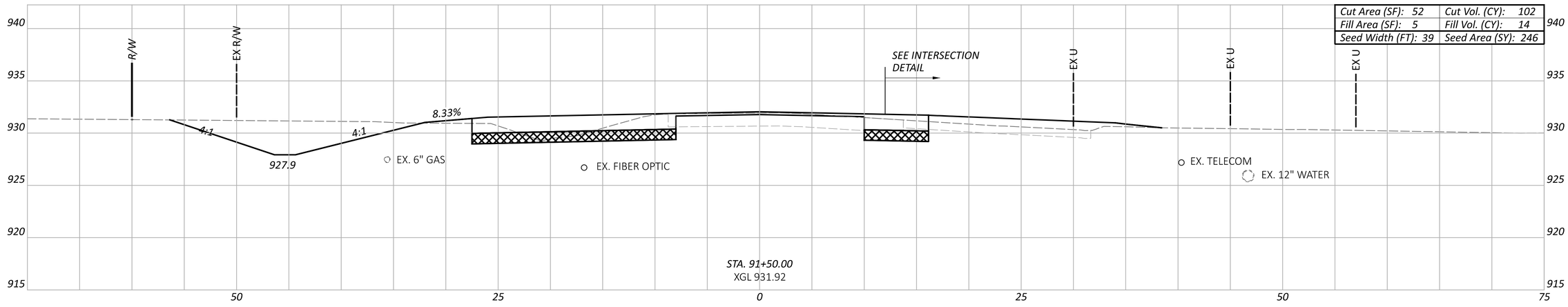
LEGEND

CHEMICALLY STABILIZED SUBGRADE



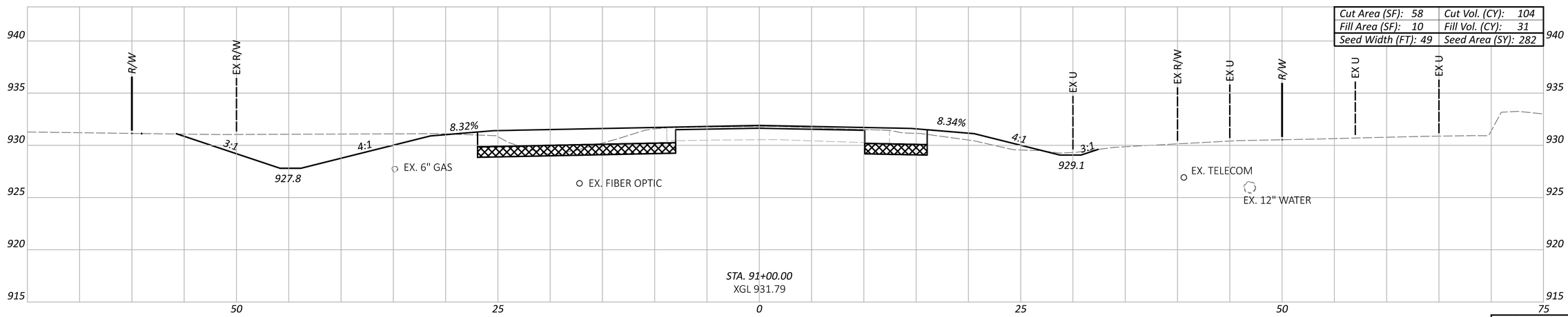
Cut Area (SF): 40	Cut Vol. (CY): 86
Fill Area (SF): 7	Fill Vol. (CY): 11
Seed Width (FT): 40	Seed Area (SY): 220

STA. 92+00.00
XGL 931.94



Cut Area (SF): 52	Cut Vol. (CY): 102
Fill Area (SF): 5	Fill Vol. (CY): 14
Seed Width (FT): 39	Seed Area (SY): 246

STA. 91+50.00
XGL 931.92



Cut Area (SF): 58	Cut Vol. (CY): 104
Fill Area (SF): 10	Fill Vol. (CY): 31
Seed Width (FT): 49	Seed Area (SY): 282

STA. 91+00.00
XGL 931.79

Sheet Totals		
Seeding	Cut	Fill
748	292	56

CROSS SECTIONS - C.R. 10
STA. 91+00 TO STA. 92+00

DESIGN AGENCY
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PROJECT ID
1901

SHEET P.62 | TOTAL P.157

DEL-CR10-5.60

MODEL: RW1 - 91+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:04 AM USER: asingleton
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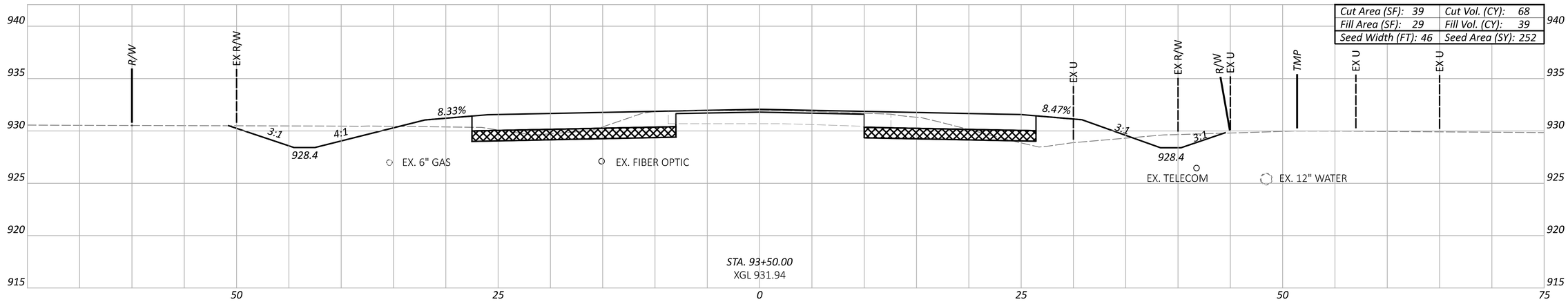
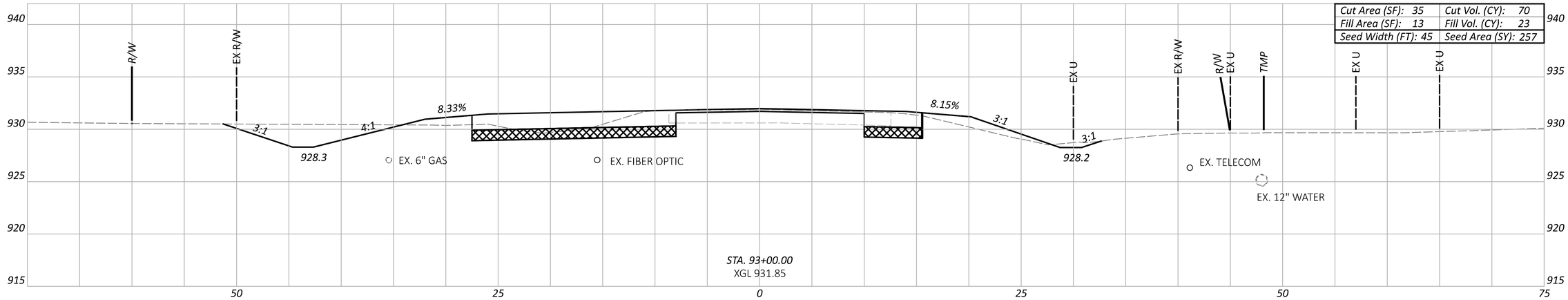
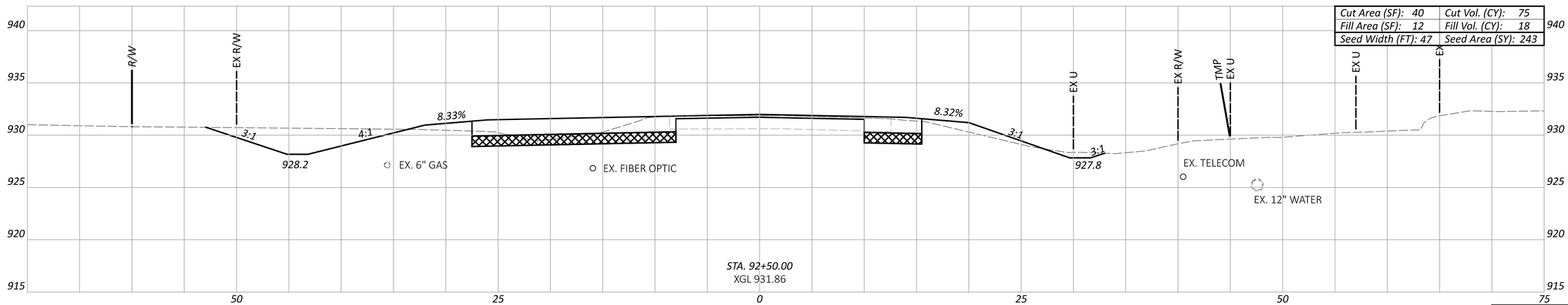
LEGEND

CHEMICALLY STABILIZED SUBGRADE







Sheet Totals		
Seeding	Cut	Fill
752	213	80

DEL-CR10-5.60

MODEL: RW1 - 92+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:05 AM USER: asingleton
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CROSS SECTIONS - C.R. 10
STA. 92+50 TO STA. 93+50

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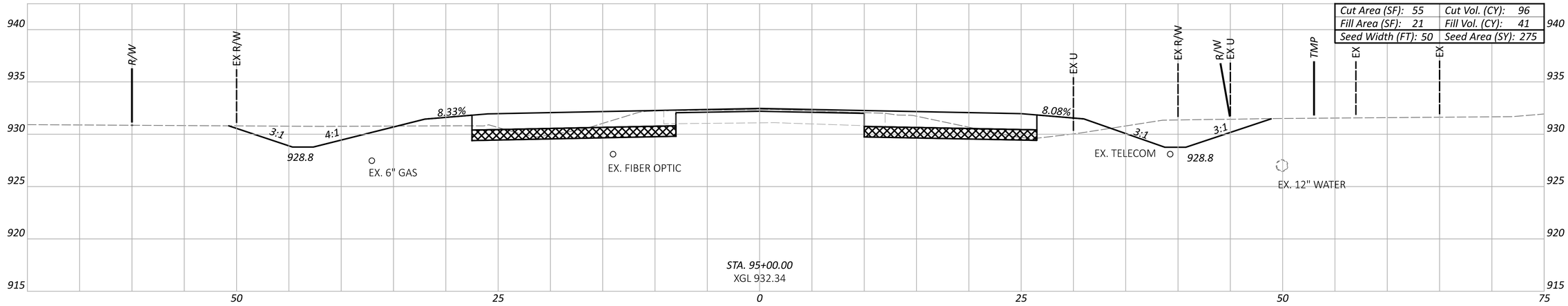
PROJECT ID
1901

SHEET P.63 TOTAL P.157

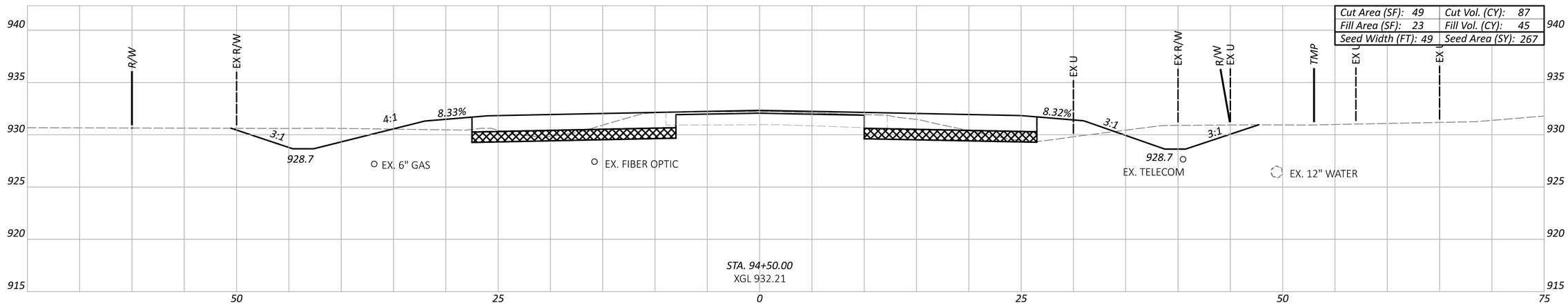
LEGEND

CHEMICALLY STABILIZED SUBGRADE



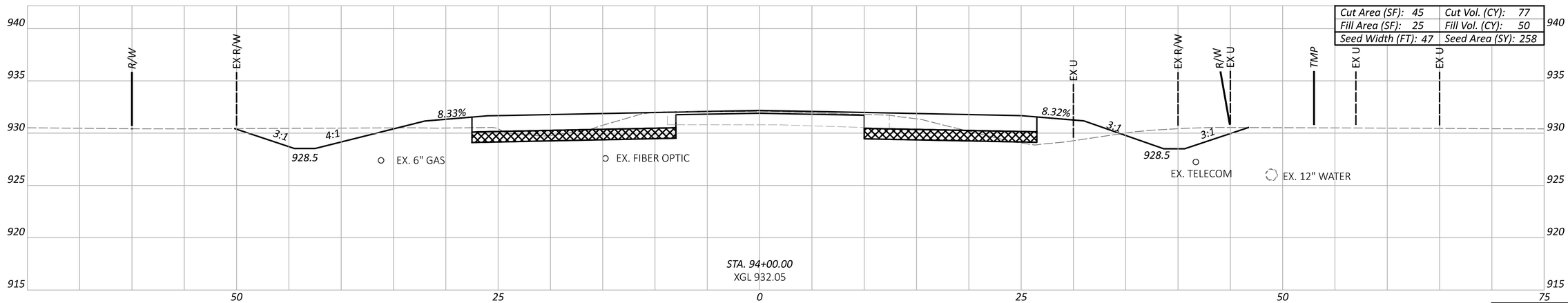
Cut Area (SF): 55	Cut Vol. (CY): 96
Fill Area (SF): 21	Fill Vol. (CY): 41
Seed Width (FT): 50	Seed Area (SY): 275

STA. 95+00.00
XGL 932.34



Cut Area (SF): 49	Cut Vol. (CY): 87
Fill Area (SF): 23	Fill Vol. (CY): 45
Seed Width (FT): 49	Seed Area (SY): 267

STA. 94+50.00
XGL 932.21



Cut Area (SF): 45	Cut Vol. (CY): 77
Fill Area (SF): 25	Fill Vol. (CY): 50
Seed Width (FT): 47	Seed Area (SY): 258

STA. 94+00.00
XGL 932.05

Sheet Totals		
Seeding	Cut	Fill
800	260	136

CROSS SECTIONS - C.R. 10
STA. 94+00 TO STA. 95+00

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SHEET P.64 TOTAL P.157

DEL-CR10-5.60

MODEL: RW1 - 94+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:06 AM USER: asingleton
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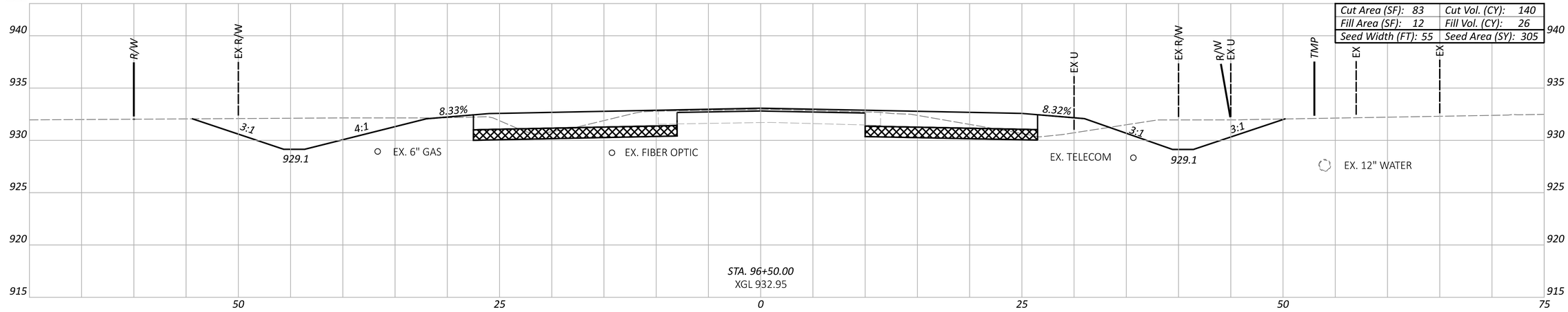
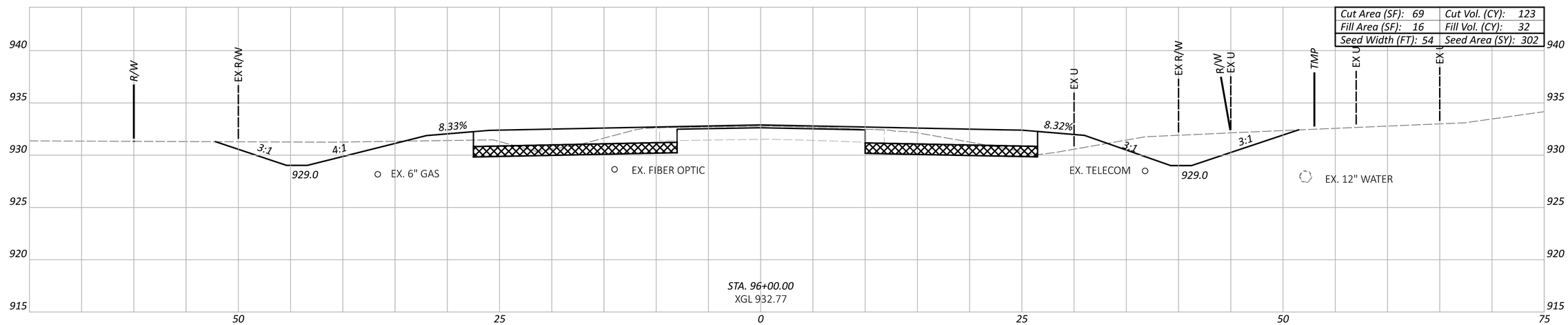
LEGEND

CHEMICALLY STABILIZED SUBGRADE



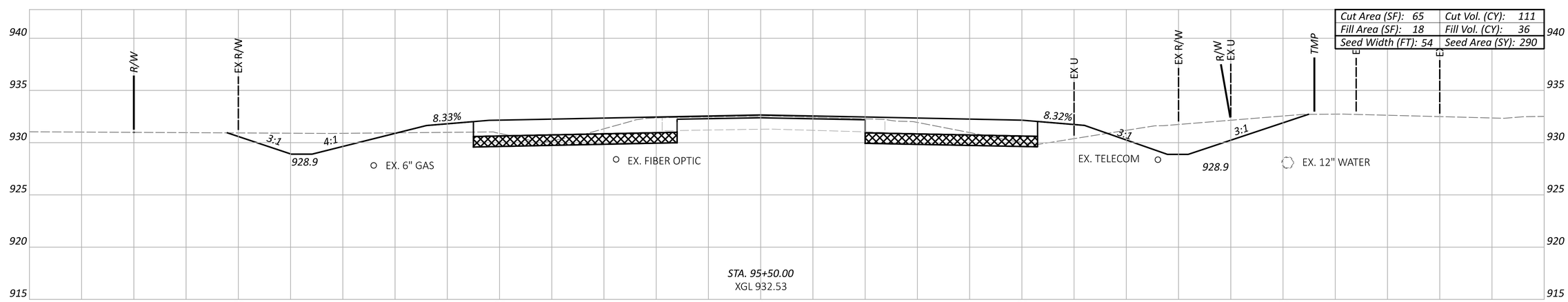
Cut Area (SF): 83	Cut Vol. (CY): 140
Fill Area (SF): 12	Fill Vol. (CY): 26
Seed Width (FT): 55	Seed Area (SY): 305

STA. 96+50.00
XGL 932.95



Cut Area (SF): 69	Cut Vol. (CY): 123
Fill Area (SF): 16	Fill Vol. (CY): 32
Seed Width (FT): 54	Seed Area (SY): 302

STA. 96+00.00
XGL 932.77



Cut Area (SF): 65	Cut Vol. (CY): 111
Fill Area (SF): 18	Fill Vol. (CY): 36
Seed Width (FT): 54	Seed Area (SY): 290

STA. 95+50.00
XGL 932.53

Sheet Totals		
Seeding	Cut	Fill
897	374	94

CROSS SECTIONS - C.R. 10
STA. 95+50 TO STA. 96+50

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SHEET P.65 | TOTAL P.157

DEL-CR10-5.60

MODEL: RW1 - 95+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:06 AM USER: asingleton
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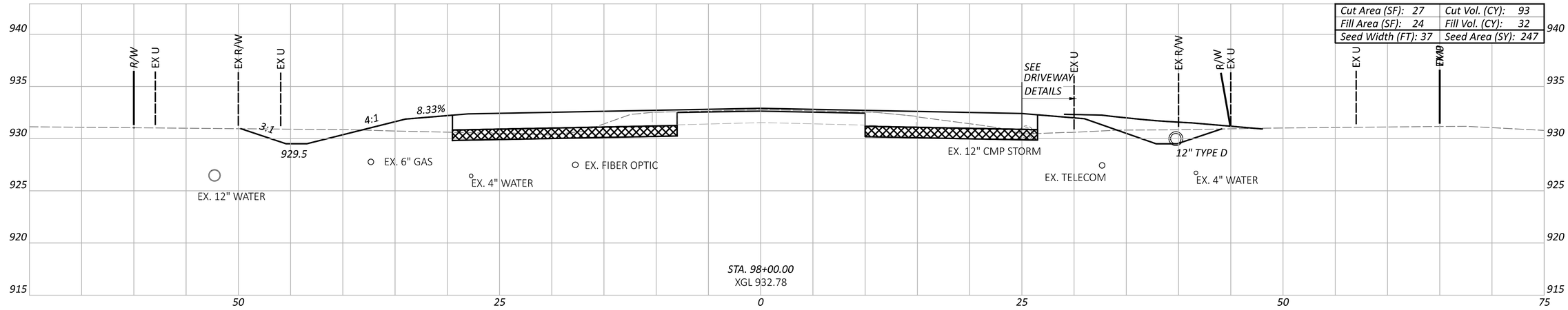
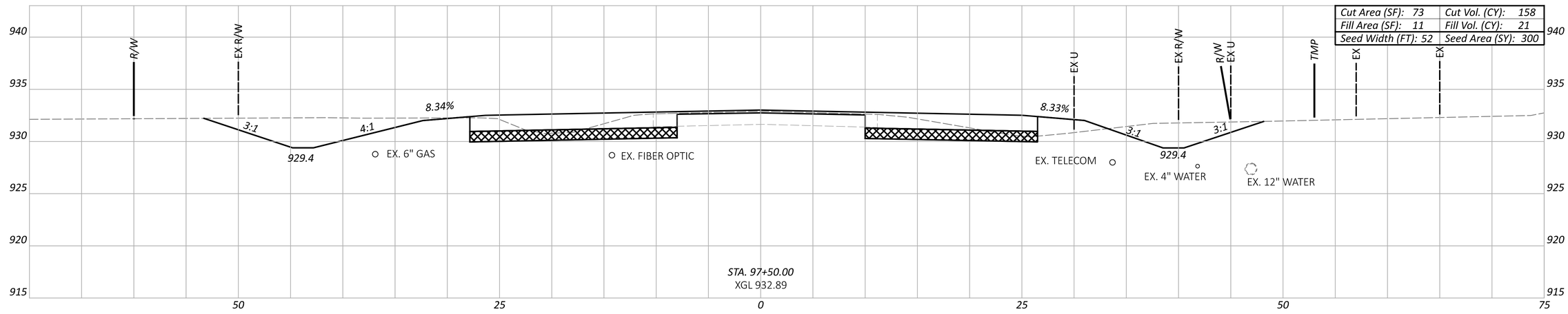
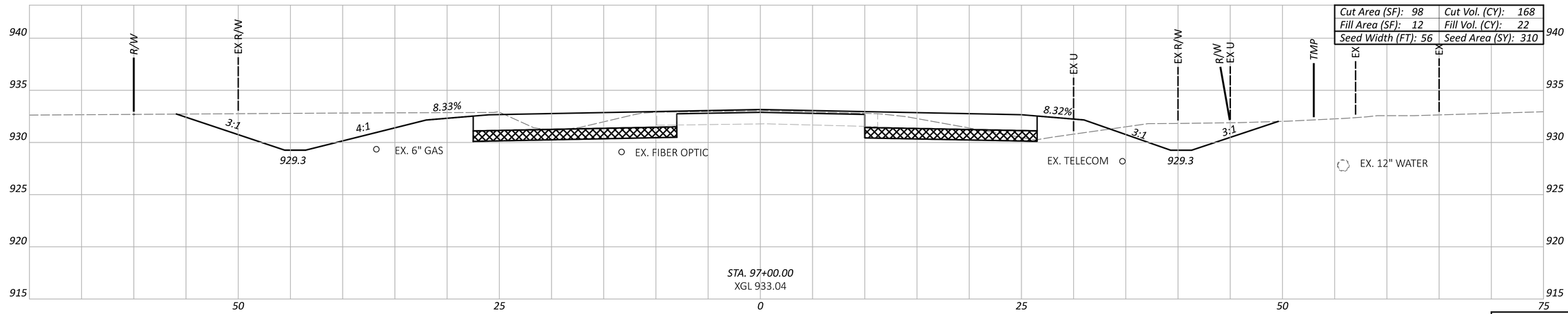
LEGEND

CHEMICALLY STABILIZED SUBGRADE







Sheet Totals		
Seeding	Cut	Fill
858	419	75

DEL-CR10-5.60

MODEL: RW1 - 97+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:07 AM USER: asingleton
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CROSS SECTIONS - C.R. 10
STA. 97+00 TO STA. 98+00

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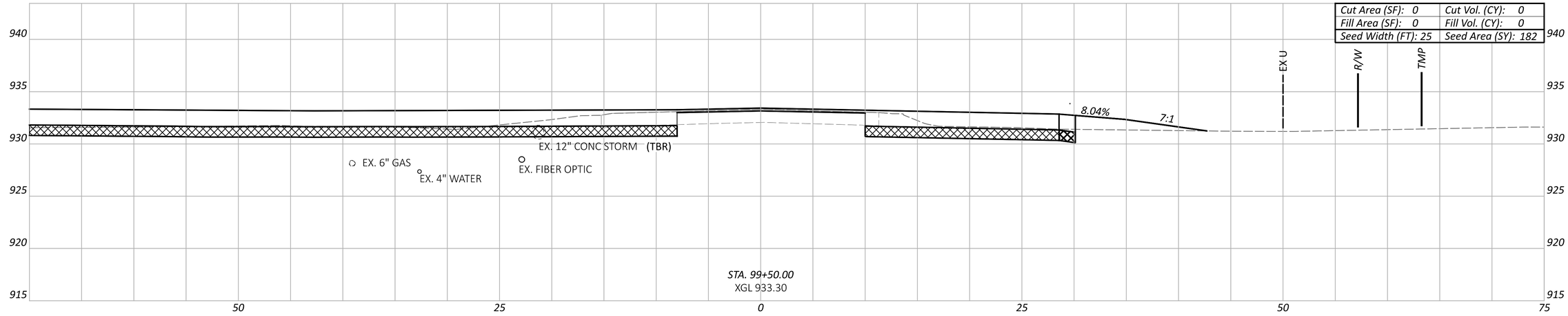
1901

SHEET P.66 TOTAL P.157

LEGEND

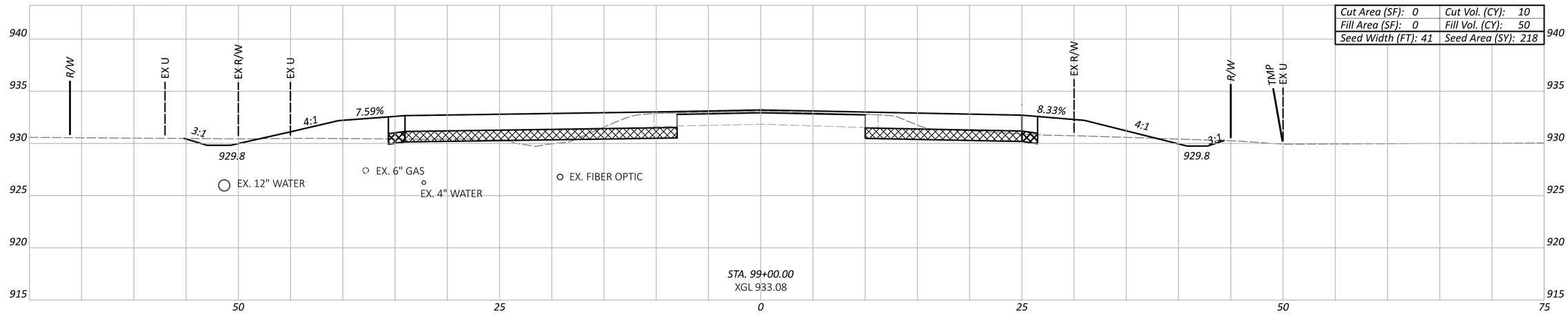
CHEMICALLY STABILIZED SUBGRADE

SEE T.R. 274 CROSS SECTIONS FOR INTERSECTION EARTHWORK

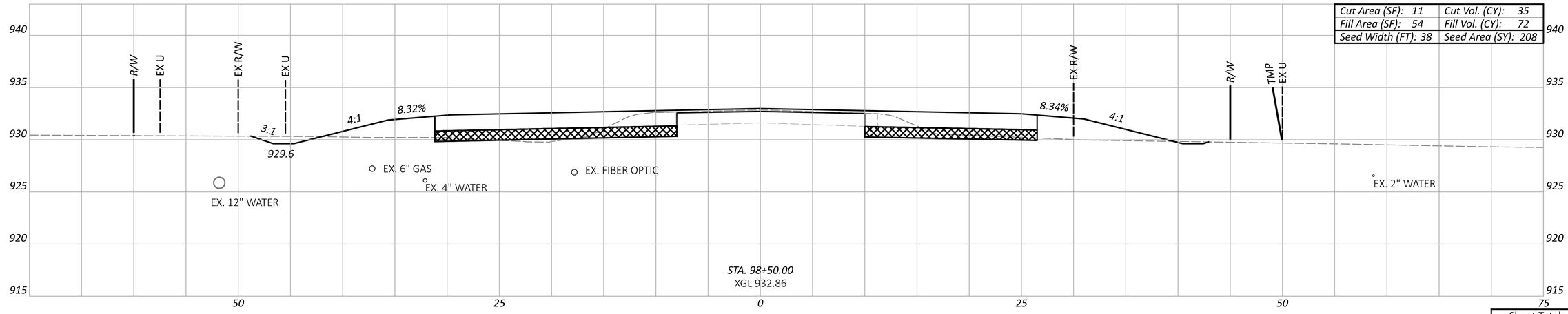


Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 25	Seed Area (SY): 182

SEE T.R. 274 CROSS SECTIONS FOR INTERSECTION EARTHWORK



Cut Area (SF): 0	Cut Vol. (CY): 10
Fill Area (SF): 0	Fill Vol. (CY): 50
Seed Width (FT): 41	Seed Area (SY): 218



Cut Area (SF): 11	Cut Vol. (CY): 35
Fill Area (SF): 54	Fill Vol. (CY): 72
Seed Width (FT): 38	Seed Area (SY): 208

Sheet Totals		
Seeding	Cut	Fill
608	45	122

CROSS SECTIONS - C.R. 10
STA. 98+50 TO STA. 99+50

DESIGN AGENCY
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PROJECT ID
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SHEET P.67 TOTAL P.157

DEL-CR10-5.60

MODEL: RW1 - 98+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:07 AM USER: asingleton
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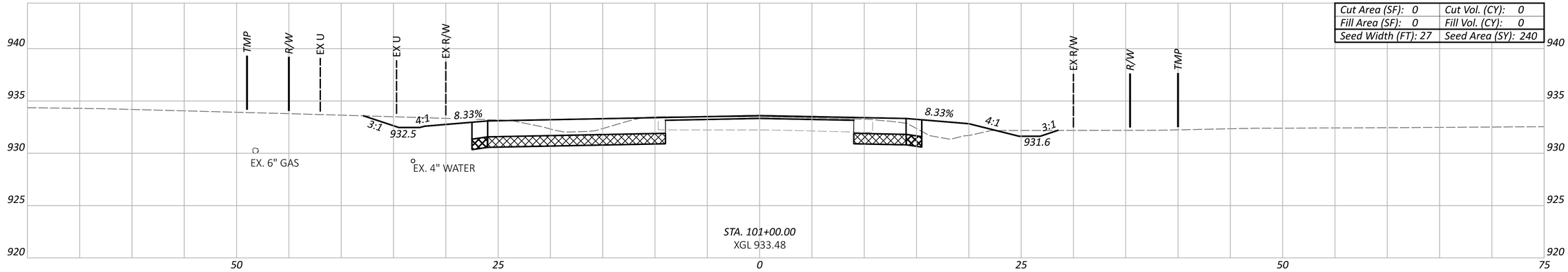
LEGEND

CHEMICALLY STABILIZED SUBGRADE

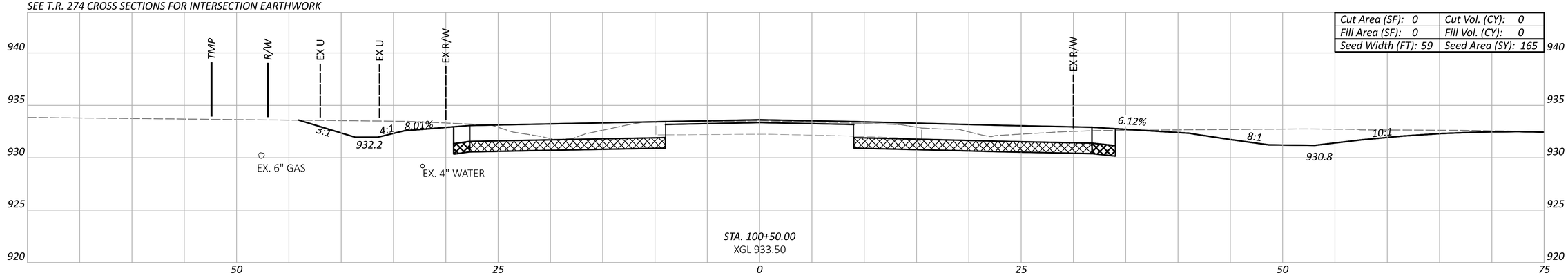
SEE T.R. 274 CROSS SECTIONS FOR INTERSECTION EARTHWORK



STA. 101+00.00
XGL 933.48

Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 27	Seed Area (SY): 240

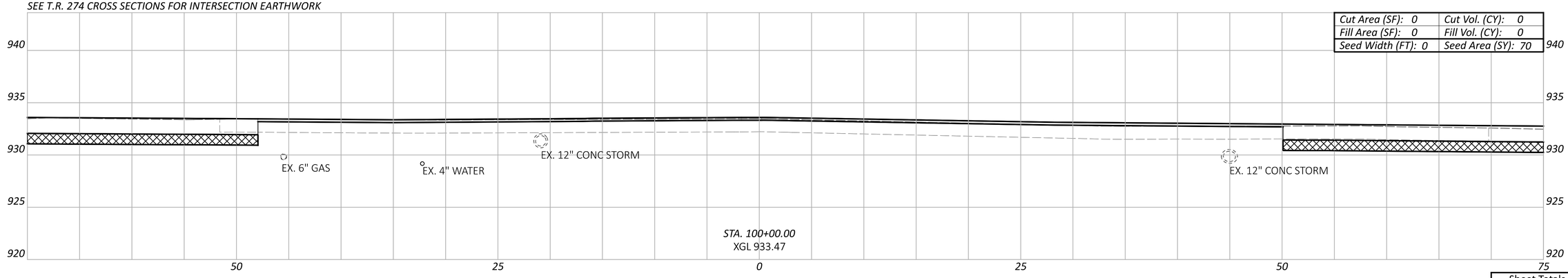
SEE T.R. 274 CROSS SECTIONS FOR INTERSECTION EARTHWORK



STA. 100+50.00
XGL 933.50

Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 59	Seed Area (SY): 165

SEE T.R. 274 CROSS SECTIONS FOR INTERSECTION EARTHWORK



STA. 100+00.00
XGL 933.47

Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 0	Seed Area (SY): 70

Sheet Totals		
Seeding	Cut	Fill
475	0	0

CROSS SECTIONS - C.R. 10
STA. 100+00 TO STA. 101+00

DESIGN AGENCY
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KKP 08/01/24

PROJECT ID
1901

SHEET P.68 TOTAL P.157

DEL-CR10-5.60

MODEL: RW1 - 100+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:08 AM USER: asingleton
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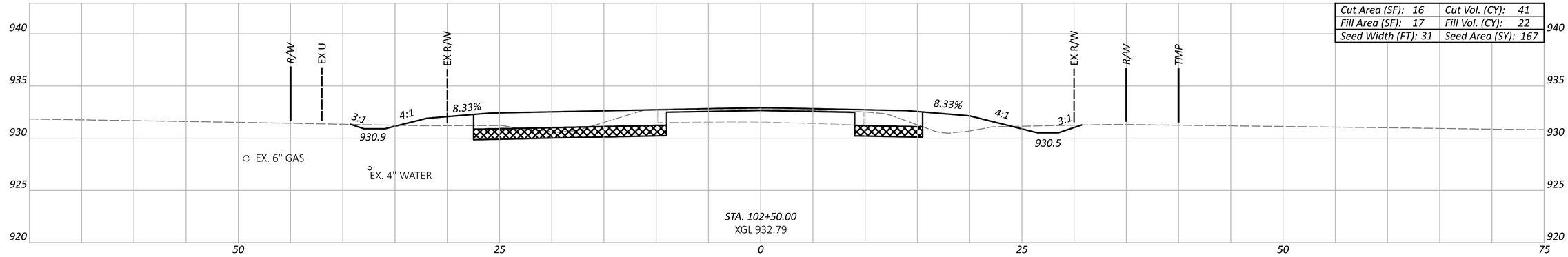
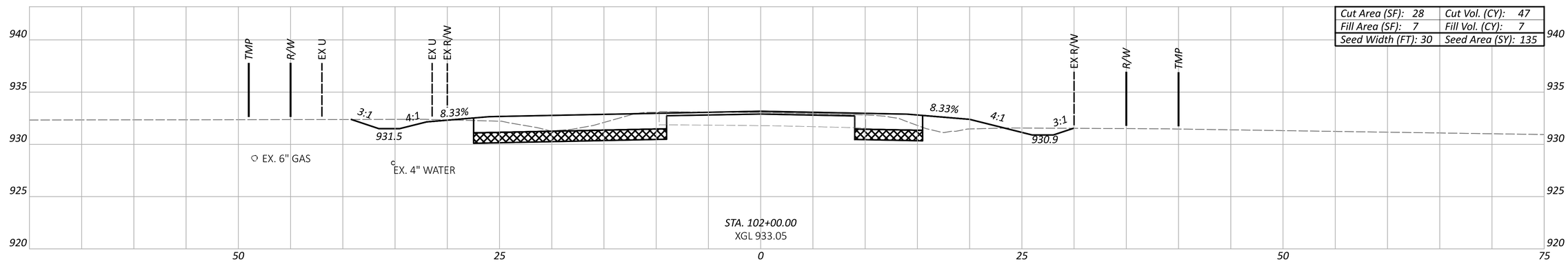
LEGEND

CHEMICALLY STABILIZED SUBGRADE



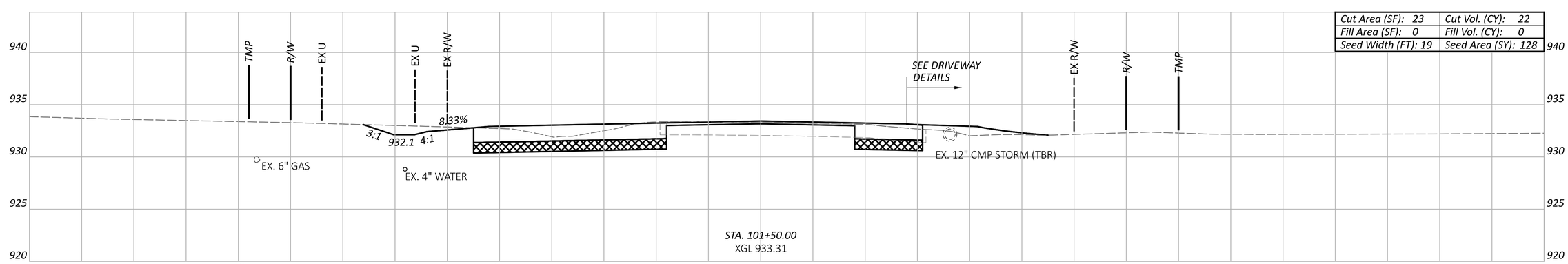
Cut Area (SF): 16	Cut Vol. (CY): 41
Fill Area (SF): 17	Fill Vol. (CY): 22
Seed Width (FT): 31	Seed Area (SY): 167

STA. 102+50.00
XGL 932.79



Cut Area (SF): 28	Cut Vol. (CY): 47
Fill Area (SF): 7	Fill Vol. (CY): 7
Seed Width (FT): 30	Seed Area (SY): 135

STA. 102+00.00
XGL 933.05



Cut Area (SF): 23	Cut Vol. (CY): 22
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): 19	Seed Area (SY): 128

STA. 101+50.00
XGL 933.31

Sheet Totals		
Seeding	Cut	Fill
430	110	29

CROSS SECTIONS - C.R. 10
STA. 101+50 TO STA. 102+50

DESIGN AGENCY
HNTB

DESIGNER
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PROJECT ID
1901

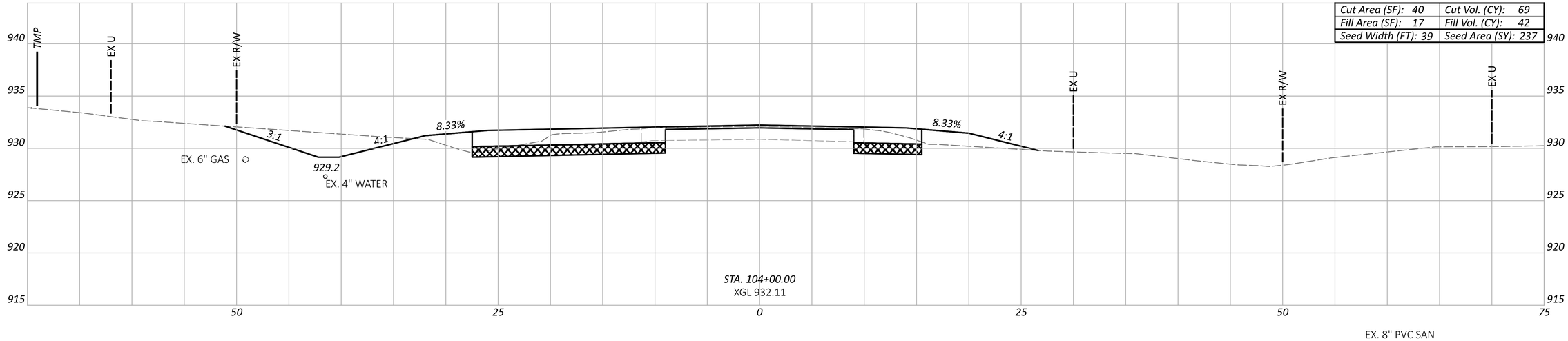
SHEET P.69 TOTAL P.157

DEL-CR10-5.60

MODEL: RW1 - 101+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:09 AM USER: asingleton
pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Columbus Projects\83630 ODOT\D501 DEL-CR10-5.60\400-Engineering\Roadway\Sheets\1901_XS101.dgn

LEGEND

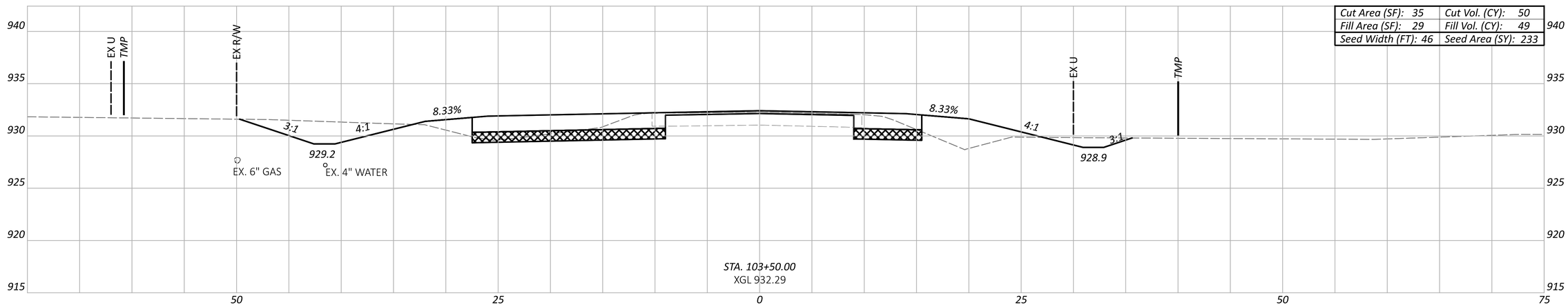
CHEMICALLY STABILIZED SUBGRADE



Cut Area (SF): 40	Cut Vol. (CY): 69
Fill Area (SF): 17	Fill Vol. (CY): 42
Seed Width (FT): 39	Seed Area (SY): 237

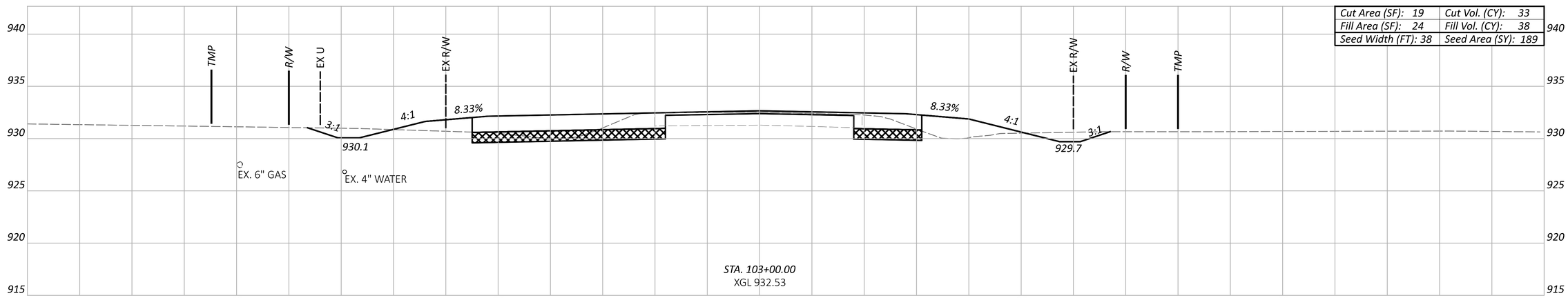
STA. 104+00.00
XGL 932.11

EX. 8" PVC SAN



Cut Area (SF): 35	Cut Vol. (CY): 50
Fill Area (SF): 29	Fill Vol. (CY): 49
Seed Width (FT): 46	Seed Area (SY): 233

STA. 103+50.00
XGL 932.29



Cut Area (SF): 19	Cut Vol. (CY): 33
Fill Area (SF): 24	Fill Vol. (CY): 38
Seed Width (FT): 38	Seed Area (SY): 189

STA. 103+00.00
XGL 932.53

Sheet Totals		
Seeding	Cut	Fill
660	152	129

CROSS SECTIONS - C.R. 10
STA. 103+00 TO STA. 104+00

DESIGN AGENCY
HNTB

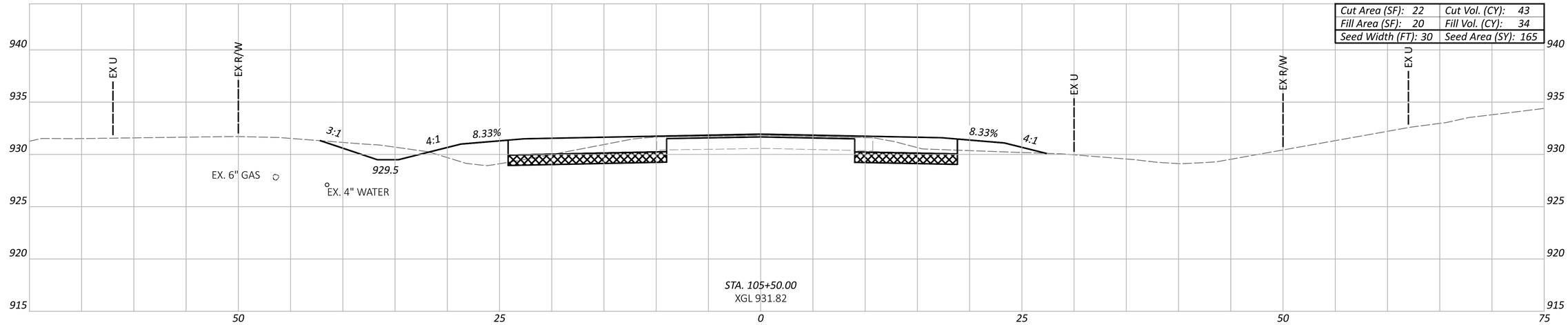
DESIGNER NRE
REVIEWER KKP 08/01/24
PROJECT ID 1901
SHEET P.70 TOTAL P.157

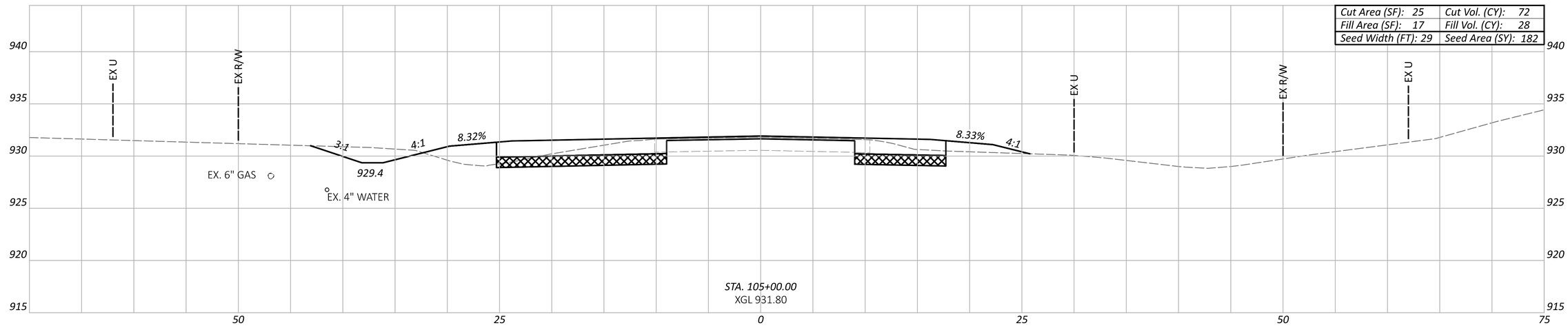
DEL-CR10-5.60

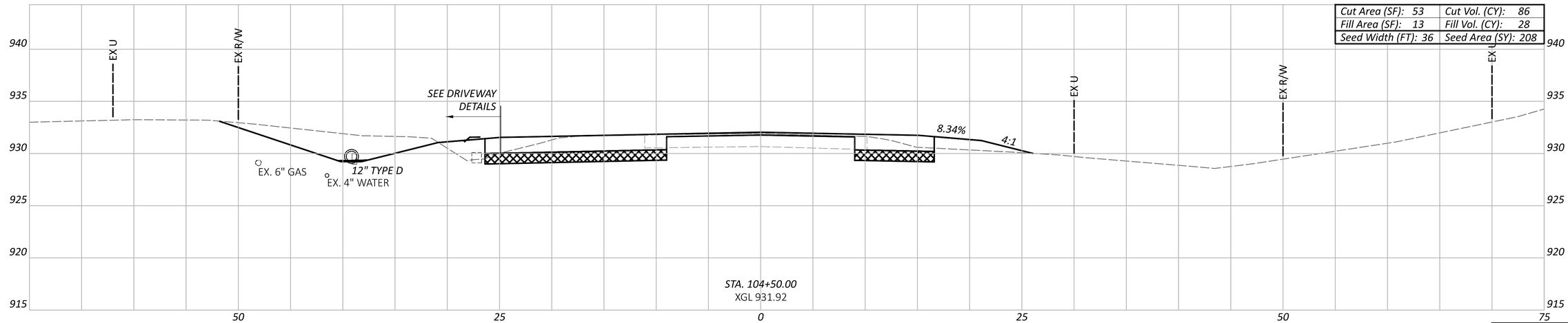
MODEL: RW1 - 103+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:11 AM USER: asingleton
pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Columbus Projects\83630 ODOT\D501 DEL-CR10-5.60\400-Engineering\Roadway\Sheets\1901_XS101.dgn

LEGEND

CHEMICALLY STABILIZED SUBGRADE







EX. 8" PVC SAN

EX. 8" PVC SAN

Sheet Totals		
Seeding	Cut	Fill
555	201	90

CROSS SECTIONS - C.R. 10
STA. 104+50 TO STA. 105+50

DESIGN AGENCY
HNTB

DESIGNER
NRE

REVIEWER
KKP 08/01/24

PROJECT ID
1901

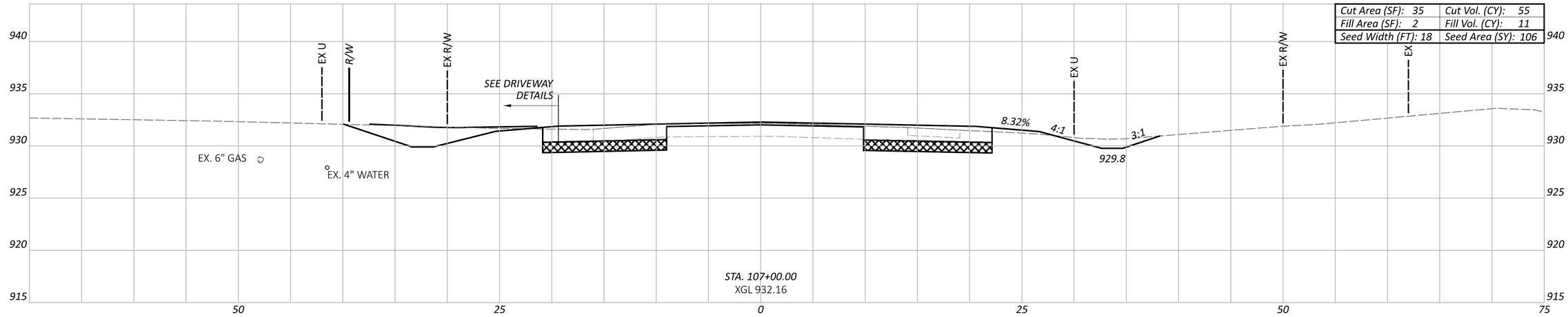
SHEET P.71 TOTAL P.157

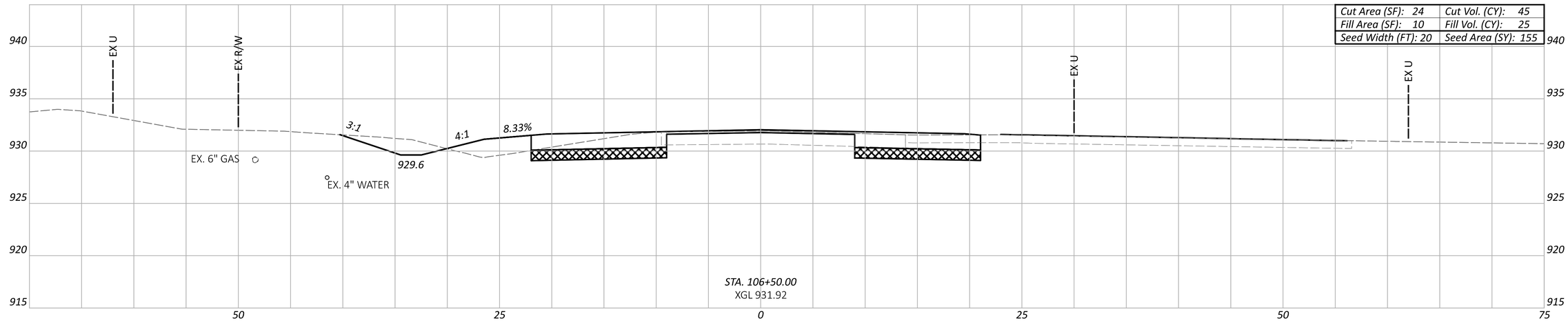
DEL-CR10-5.60

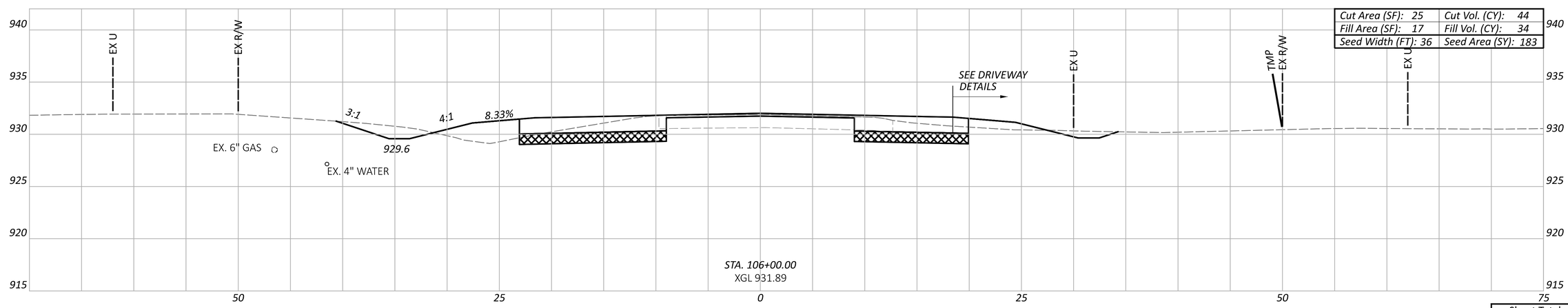
MODEL: RW1 - 104+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:12 AM USER: asingleton
pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Columbus Projects\83630 ODOT\D501 DEL-CR10-5.60\400-Engineering\Roadway\Sheets\1901_XS101.dgn

LEGEND

CHEMICALLY STABILIZED SUBGRADE







CROSS SECTIONS - C.R. 10
STA. 106+00 TO STA. 107+00

Sheet Totals		
Seeding	Cut	Fill
444	144	70

DESIGN AGENCY: HNTB

DESIGNER: NRE

REVIEWER: KKP 08/01/24

PROJECT ID: 1901

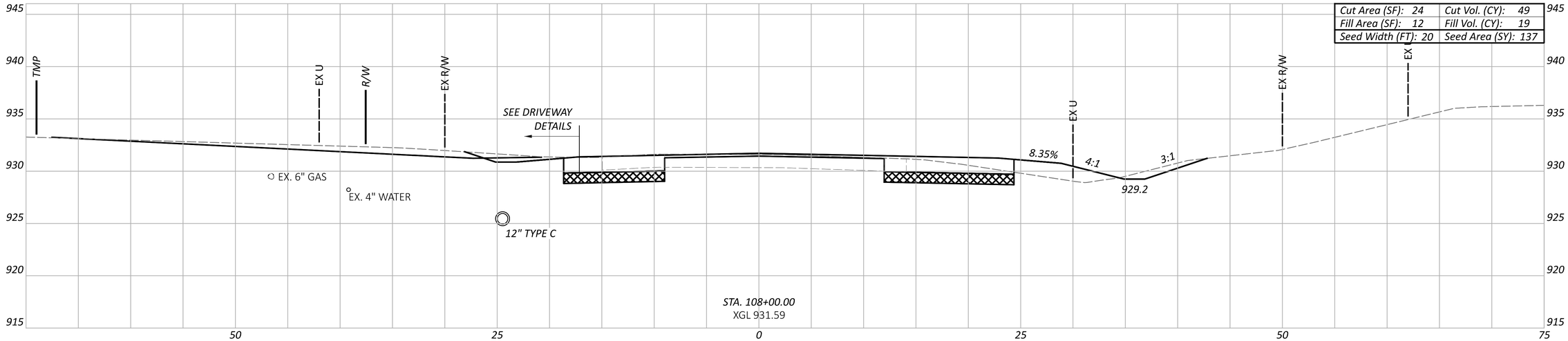
SHEET: P.72 TOTAL: P.157

DEL-CR10-5.60

MODEL: RW1 - 106+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:13 AM USER: asingleton
pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Columbus Projects\83630 ODOT\DS01 DEL-CR10-5.60\400-Engineering\Roadway\Sheets\1901_XS101.dgn

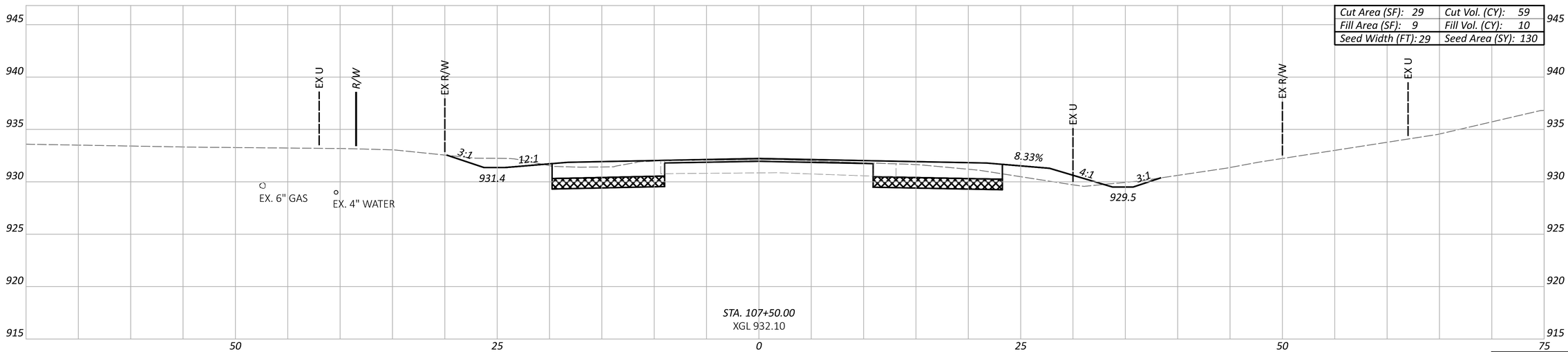
LEGEND

CHEMICALLY STABILIZED SUBGRADE



Cut Area (SF): 24	Cut Vol. (CY): 49
Fill Area (SF): 12	Fill Vol. (CY): 19
Seed Width (FT): 20	Seed Area (SY): 137

STA. 108+00.00
XGL 931.59



Cut Area (SF): 29	Cut Vol. (CY): 59
Fill Area (SF): 9	Fill Vol. (CY): 10
Seed Width (FT): 29	Seed Area (SY): 130

STA. 107+50.00
XGL 932.10

Sheet Totals		
Seeding	Cut	Fill
266	108	29

CROSS SECTIONS - C.R. 10
STA. 107+50 TO STA. 108+00

DESIGN AGENCY
HNTB

DESIGNER
NRE

REVIEWER
KKP 08/01/24

PROJECT ID
1901

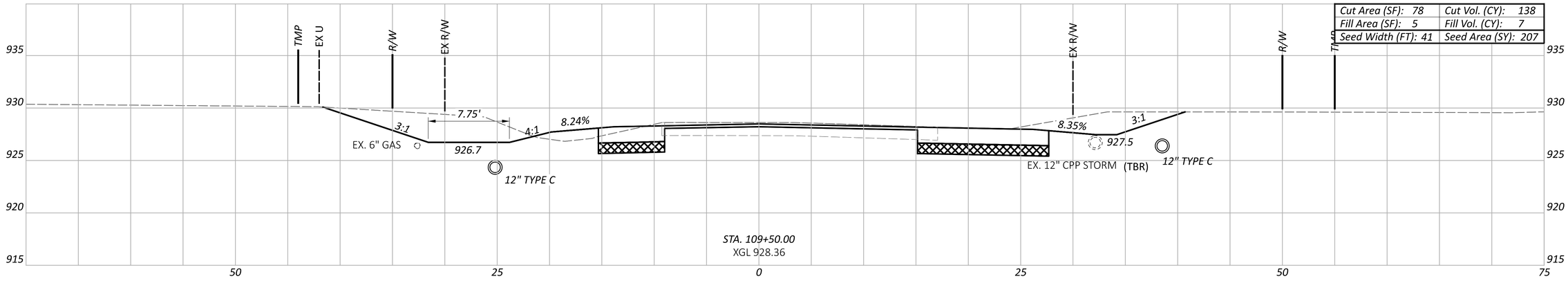
SHEET P.73 TOTAL P.157

DEL-CR10-5.60

MODEL: RW1 - 107+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:14 AM USER: asingleton
pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Columbus Projects\83630 ODOT\DS01 DEL-CR10-5.60\400-Engineering\Roadway\Sheets\1901_XS101.dgn

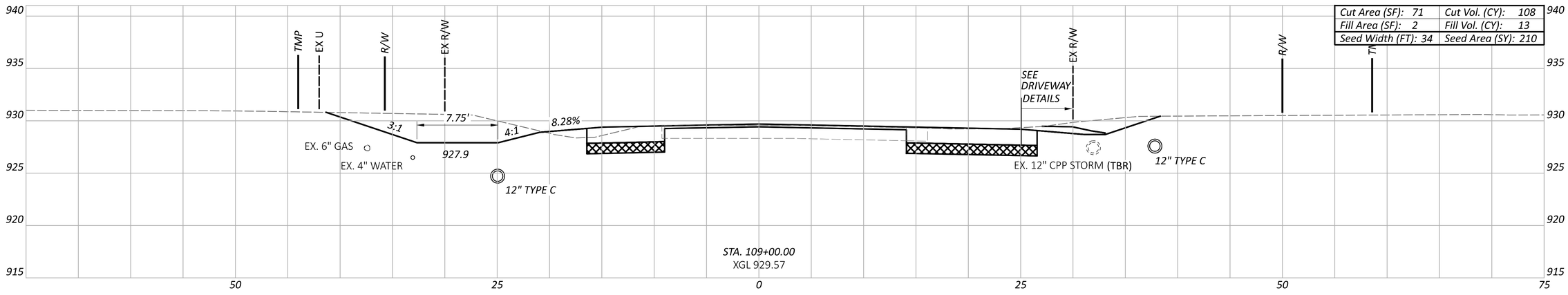
LEGEND

CHEMICALLY STABILIZED SUBGRADE



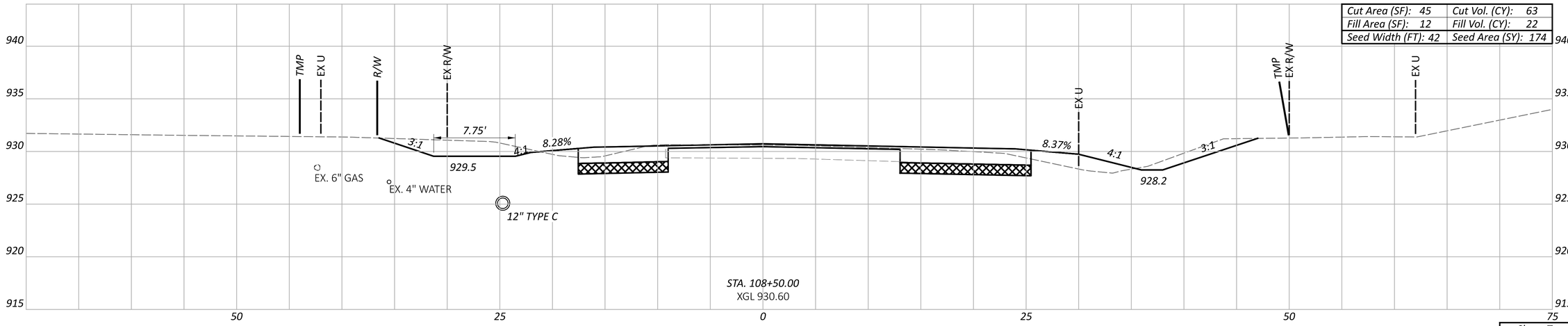
Cut Area (SF): 78	Cut Vol. (CY): 138
Fill Area (SF): 5	Fill Vol. (CY): 7
Seed Width (FT): 41	Seed Area (SY): 207

STA. 109+50.00
XGL 928.36



Cut Area (SF): 71	Cut Vol. (CY): 108
Fill Area (SF): 2	Fill Vol. (CY): 13
Seed Width (FT): 34	Seed Area (SY): 210

STA. 109+00.00
XGL 929.57



Cut Area (SF): 45	Cut Vol. (CY): 63
Fill Area (SF): 12	Fill Vol. (CY): 22
Seed Width (FT): 42	Seed Area (SY): 174

STA. 108+50.00
XGL 930.60

Sheet Totals		
Seeding	Cut	Fill
591	309	42

CROSS SECTIONS - C.R. 10
STA. 108+50 TO STA. 109+00

DESIGN AGENCY
HNTB

DESIGNER
NRE

REVIEWER
KKP 08/01/24

PROJECT ID
1901

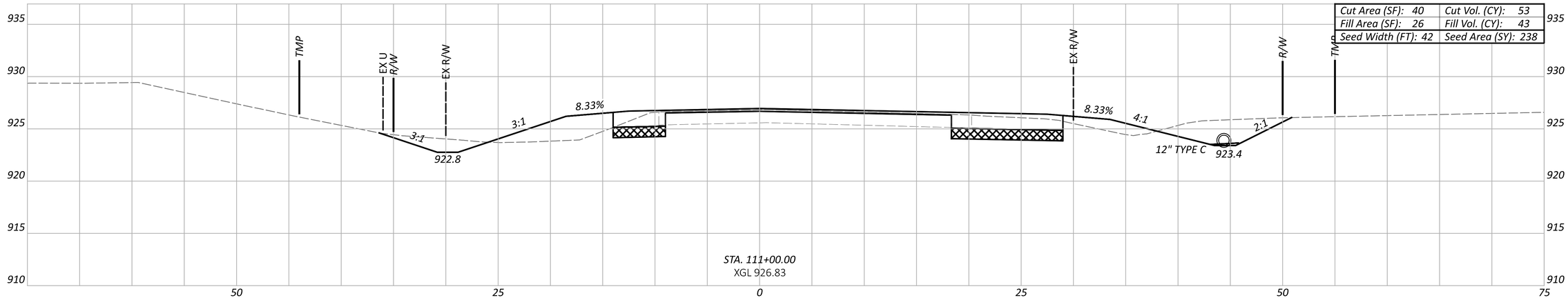
SHEET P.74 TOTAL P.157

DEL-CR10-5.60

MODEL: RW1 - 108+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:15 AM USER: asingleton
pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Columbus Projects\83630 ODOT\DS01 DEL-CR10-5.60\400-Engineering\Roadway\Sheets\1901_XS101.dgn

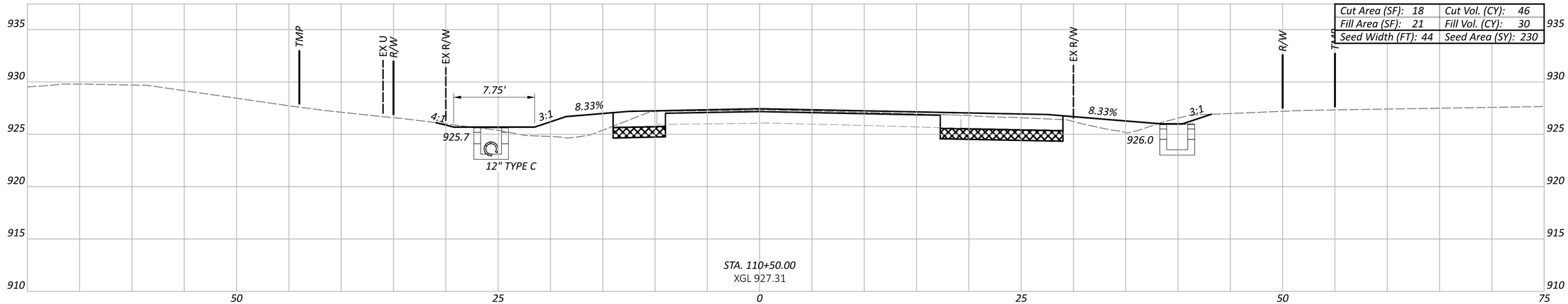
LEGEND

CHEMICALLY STABILIZED SUBGRADE



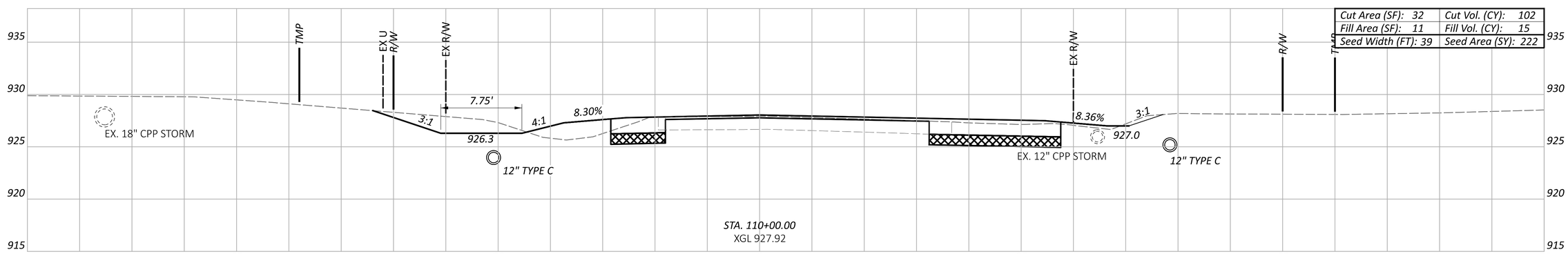
Cut Area (SF): 40	Cut Vol. (CY): 53
Fill Area (SF): 26	Fill Vol. (CY): 43
Seed Width (FT): 42	Seed Area (SY): 238

STA. 111+00.00
XGL 926.83



Cut Area (SF): 18	Cut Vol. (CY): 46
Fill Area (SF): 21	Fill Vol. (CY): 30
Seed Width (FT): 44	Seed Area (SY): 230

STA. 110+50.00
XGL 927.31



Cut Area (SF): 32	Cut Vol. (CY): 102
Fill Area (SF): 11	Fill Vol. (CY): 15
Seed Width (FT): 39	Seed Area (SY): 222

STA. 110+00.00
XGL 927.92

Sheet Totals		
Seeding	Cut	Fill
689	201	88

CROSS SECTIONS - C.R. 10
STA. 110+00 TO STA. 111+00

DESIGN AGENCY
HNTB

DESIGNER
NRE

REVIEWER
KKP 08/01/24

PROJECT ID
1901

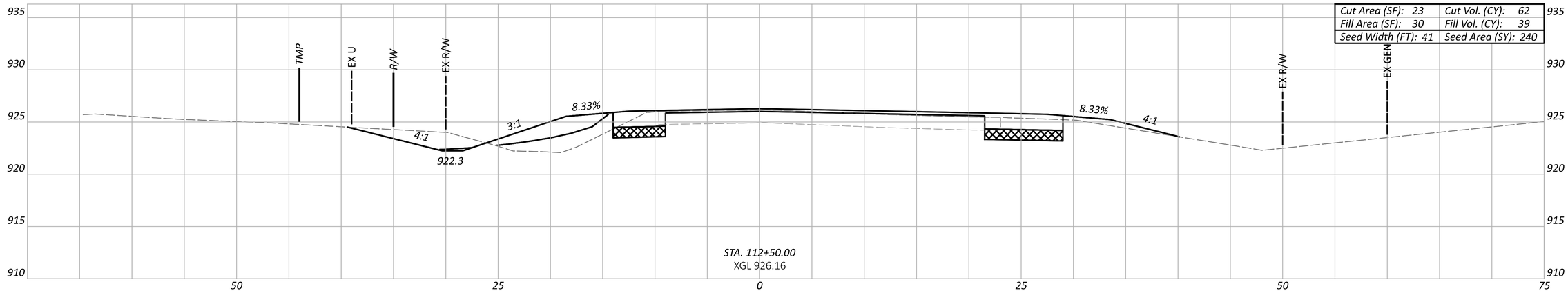
SHEET P.75 | TOTAL P.157

DEL-CR10-5.60

MODEL: RW1 - 110+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:16 AM USER: asingleton
pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Columbus Projects\83630 ODOT\D501 DEL-CR10-5.60\400-Engineering\Roadway\Sheets\1901_XS101.dgn

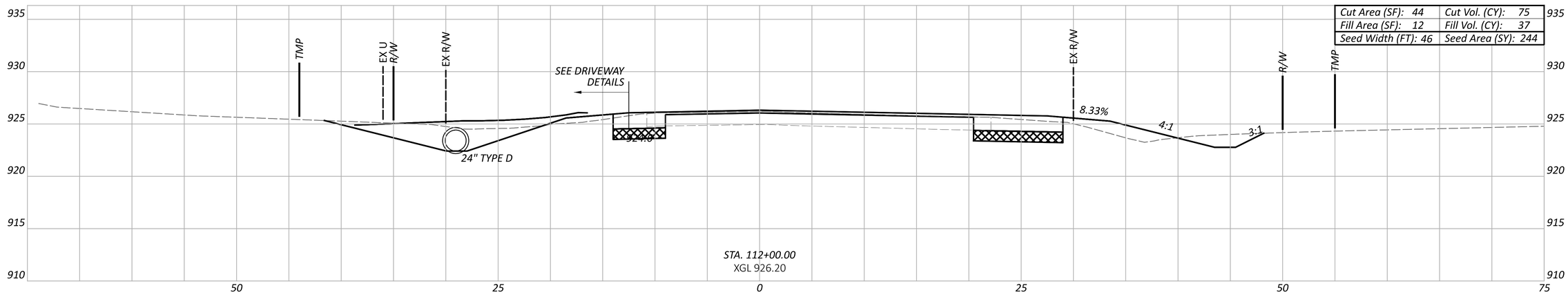
LEGEND

CHEMICALLY STABILIZED SUBGRADE



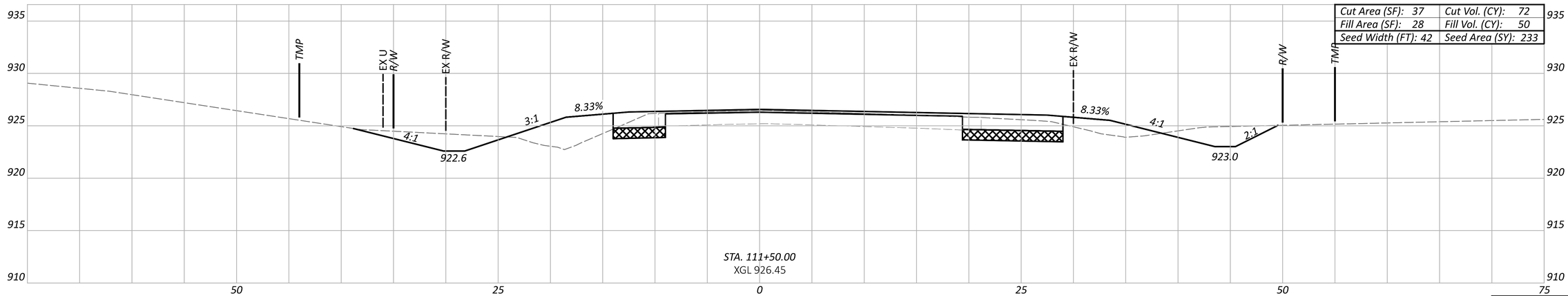
Cut Area (SF): 23	Cut Vol. (CY): 62
Fill Area (SF): 30	Fill Vol. (CY): 39
Seed Width (FT): 41	Seed Area (SY): 240

STA. 112+50.00
XGL 926.16



Cut Area (SF): 44	Cut Vol. (CY): 75
Fill Area (SF): 12	Fill Vol. (CY): 37
Seed Width (FT): 46	Seed Area (SY): 244

STA. 112+00.00
XGL 926.20



Cut Area (SF): 37	Cut Vol. (CY): 72
Fill Area (SF): 28	Fill Vol. (CY): 50
Seed Width (FT): 42	Seed Area (SY): 233

STA. 111+50.00
XGL 926.45

Sheet Totals		
Seeding	Cut	Fill
716	209	126

CROSS SECTIONS - C.R. 10
STA. 111+50 TO STA. 112+50

DESIGN AGENCY
HNTB

DESIGNER
NRE

REVIEWER
KKP 08/01/24

PROJECT ID
1901

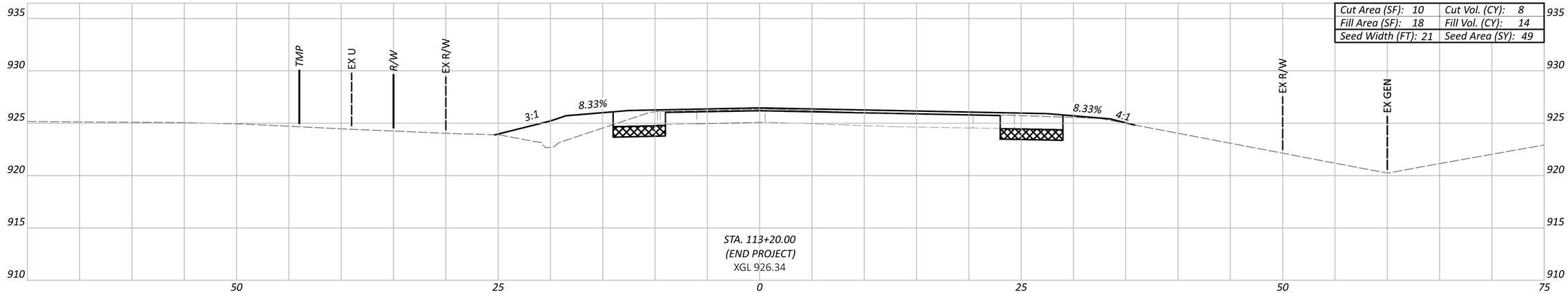
SHEET P.76 | TOTAL P.157

DEL-CR10-5.60

MODEL: RW1 - 111+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:17 AM USER: asingleton
pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Columbus Projects\83630 ODOT\DS01 DEL-CR10-5.60\400-Engineering\Roadway\Sheets\1901_XS101.dgn

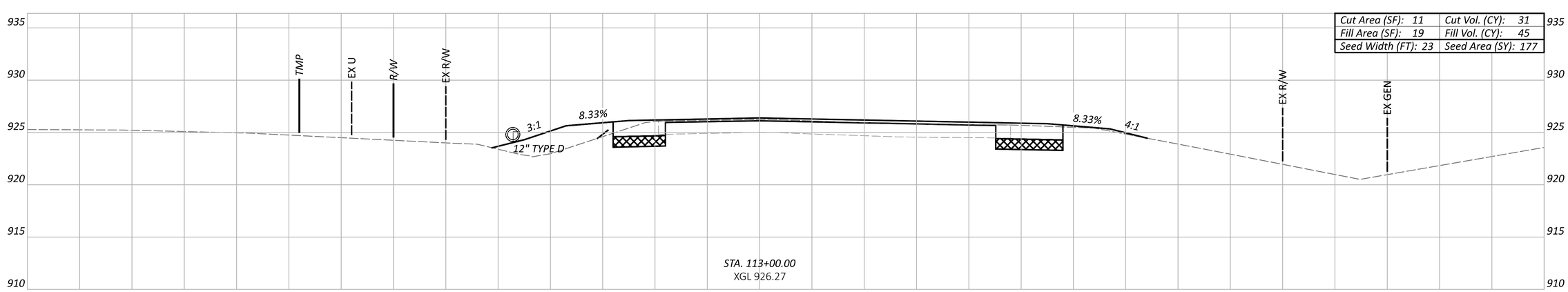
LEGEND

CHEMICALLY STABILIZED SUBGRADE



Cut Area (SF): 10	Cut Vol. (CY): 8
Fill Area (SF): 18	Fill Vol. (CY): 14
Seed Width (FT): 21	Seed Area (SY): 49

STA. 113+20.00
(END PROJECT)
XGL 926.34



Cut Area (SF): 11	Cut Vol. (CY): 31
Fill Area (SF): 19	Fill Vol. (CY): 45
Seed Width (FT): 23	Seed Area (SY): 177

STA. 113+00.00
XGL 926.27

Sheet Totals		
Seeding	Cut	Fill
226	39	59

CROSS SECTIONS - C.R. 10
STA. 113+00 TO END WORK

DEL-CR10-5.60

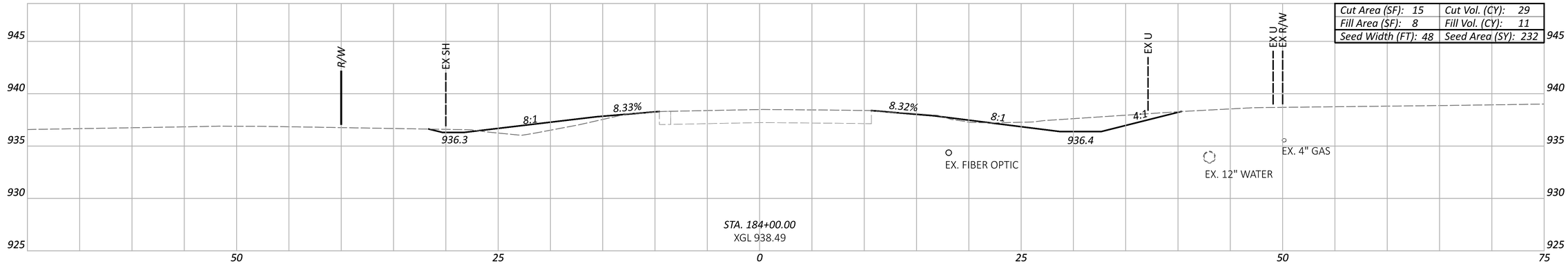
MODEL: RW1 - 113+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:18 AM USER: asingleton
pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Columbus Projects\83630 ODOT\DS01 DEL-CR10-5.60\400-Engineering\Roadway\Sheets\1901_XS101.dgn

DESIGN AGENCY
HNTB

DESIGNER	NRE
REVIEWER	KKP 08/01/24
PROJECT ID	1901
SHEET	P.77
TOTAL	P.157

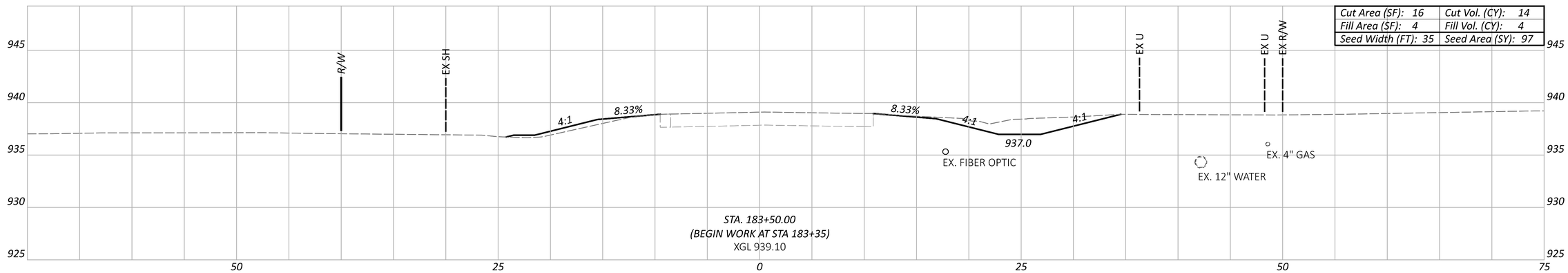
LEGEND

CHEMICALLY STABILIZED SUBGRADE



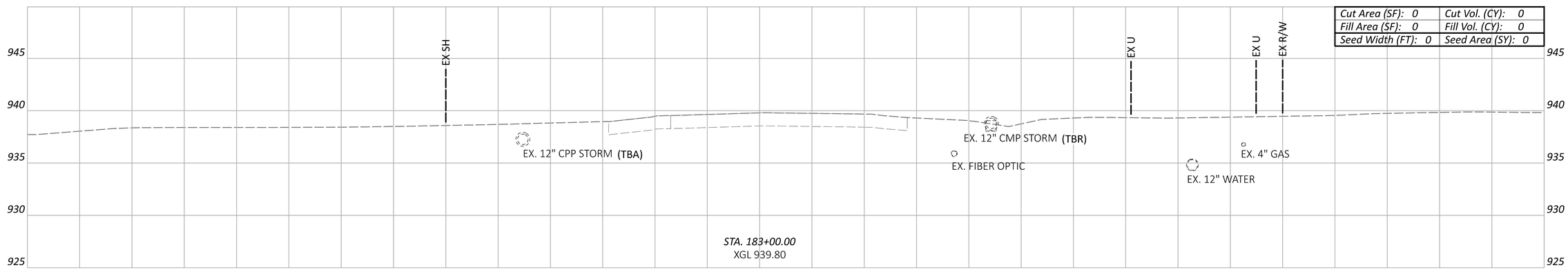
STA. 184+00.00
XGL 938.49

Cut Area (SF): 15	Cut Vol. (CY): 29
Fill Area (SF): 8	Fill Vol. (CY): 11
Seed Width (FT): 48	Seed Area (SY): 232



STA. 183+50.00
(BEGIN WORK AT STA 183+35)
XGL 939.10

Cut Area (SF): 16	Cut Vol. (CY): 14
Fill Area (SF): 4	Fill Vol. (CY): 4
Seed Width (FT): 35	Seed Area (SY): 97



STA. 183+00.00
XGL 939.80

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

Sheet Totals		
Seeding	Cut	Fill
329	43	15

CROSS SECTIONS - T.R. 274
STA. 183+00 TO STA. 184+00

DESIGN AGENCY
HNTB

DESIGNER
NRE

REVIEWER
KKP 08/01/24

PROJECT ID
1901

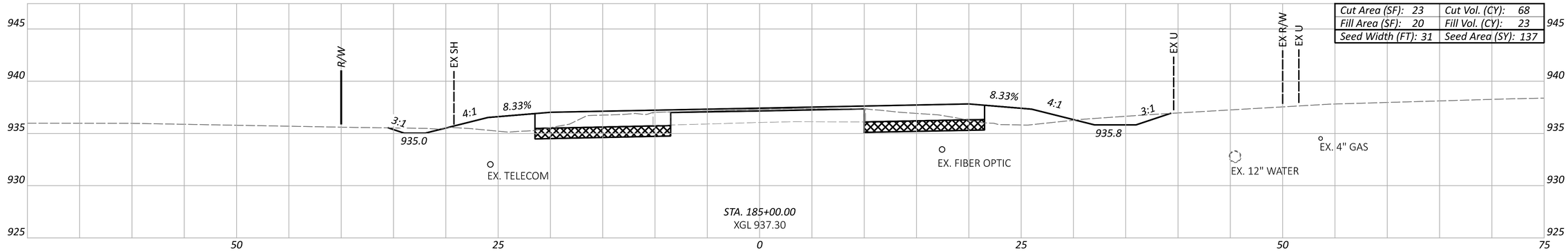
SHEET P.78 TOTAL P.157

DEL-CR10-5.60

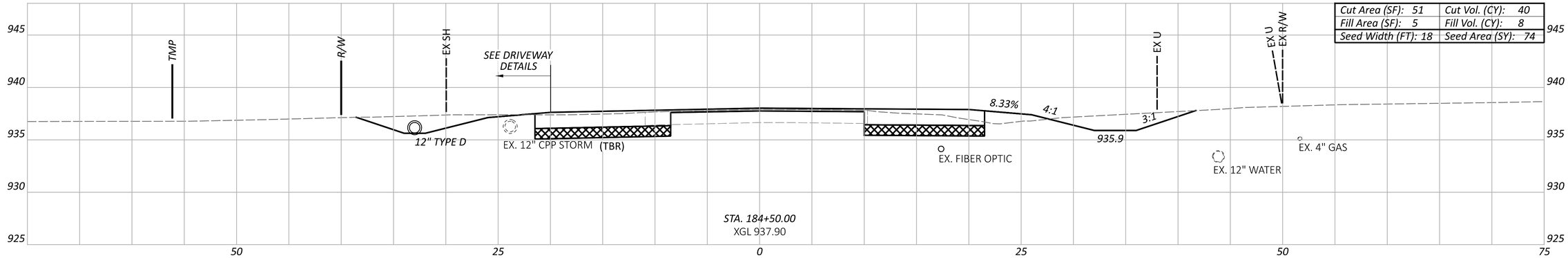
MODEL: RW1 - 182+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:38 AM USER: asingleton
pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Columbus Projects\83630 ODOT\DS01 DEL-CR10-5.60\400-Engineering\Roadway\Sheets\1901_XS102.dgn

LEGEND

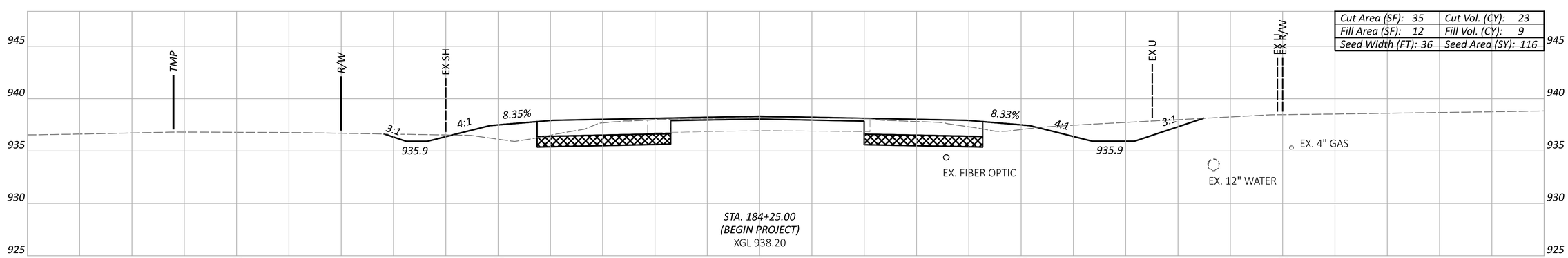
CHEMICALLY STABILIZED SUBGRADE



Cut Area (SF): 23	Cut Vol. (CY): 68
Fill Area (SF): 20	Fill Vol. (CY): 23
Seed Width (FT): 31	Seed Area (SY): 137



Cut Area (SF): 51	Cut Vol. (CY): 40
Fill Area (SF): 5	Fill Vol. (CY): 8
Seed Width (FT): 18	Seed Area (SY): 74



Cut Area (SF): 35	Cut Vol. (CY): 23
Fill Area (SF): 12	Fill Vol. (CY): 9
Seed Width (FT): 36	Seed Area (SY): 116

Sheet Totals		
Seeding	Cut	Fill
328	131	40

DEL-CR10-5.60

MODEL: RW1 - 184+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:39 AM USER: asingleton
pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Columbus Projects\83630 ODOT\D501 DEL-CR10-5.60\400-Engineering\Roadway\Sheets\1901_XS102.dgn

CROSS SECTIONS - T.R. 274
STA. 184+25 TO STA. 185+00

DESIGN AGENCY
HNTB

DESIGNER
NRE

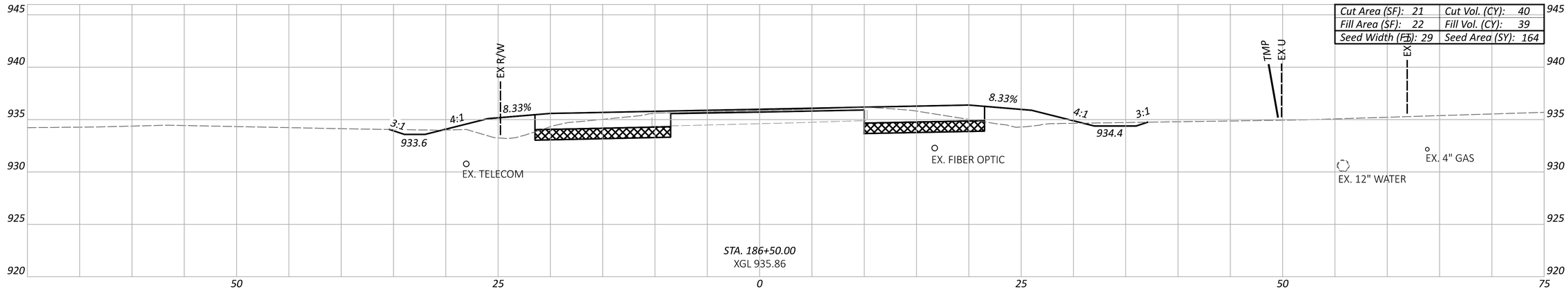
REVIEWER
KKP 08/01/24

PROJECT ID
1901

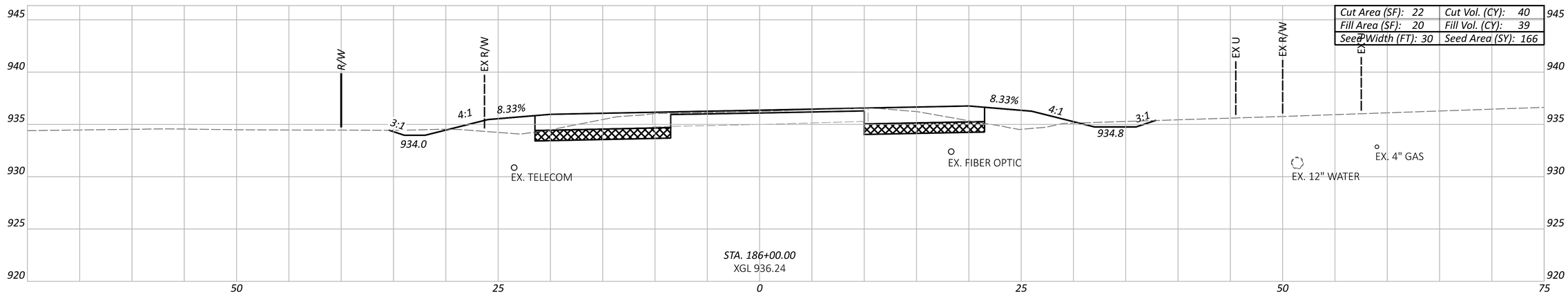
SHEET P.79 TOTAL P.157

LEGEND

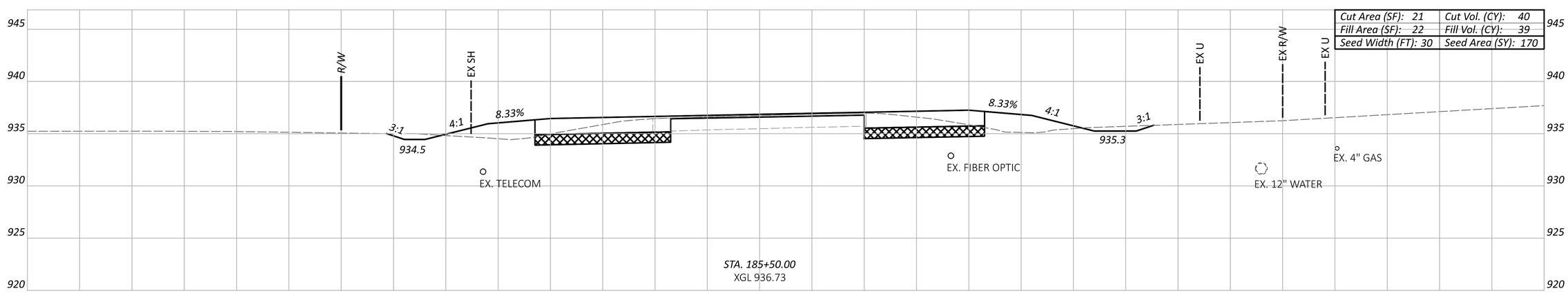
CHEMICALLY STABILIZED SUBGRADE



Cut Area (SF): 21	Cut Vol. (CY): 40
Fill Area (SF): 22	Fill Vol. (CY): 39
Seed Width (FT): 29	Seed Area (SY): 164



Cut Area (SF): 22	Cut Vol. (CY): 40
Fill Area (SF): 20	Fill Vol. (CY): 39
Seed Width (FT): 30	Seed Area (SY): 166



Cut Area (SF): 21	Cut Vol. (CY): 40
Fill Area (SF): 22	Fill Vol. (CY): 39
Seed Width (FT): 30	Seed Area (SY): 170

Sheet Totals		
Seeding	Cut	Fill
500	120	117

CROSS SECTIONS - T.R. 274
STA. 185+50 TO STA. 186+50

DESIGN AGENCY

HNTB

DESIGNER NRE

REVIEWER KKP 08/01/24

PROJECT ID 1901

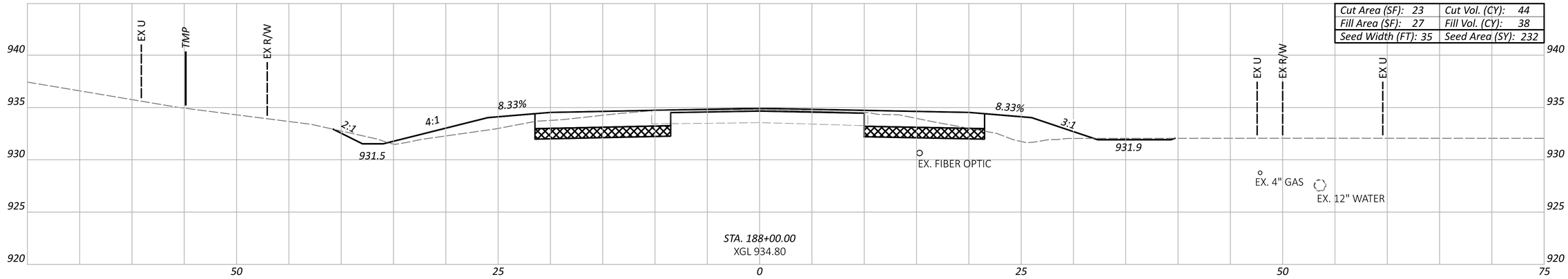
SHEET P.80 TOTAL P.157

DEL-CR10-5.60

MODEL: RW1 - 185+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:40 AM USER: asingleton
pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Columbus Projects\83630 ODOT\DS01 DEL-CR10-5.60\400-Engineering\Roadway\Sheets\1901_XS102.dgn

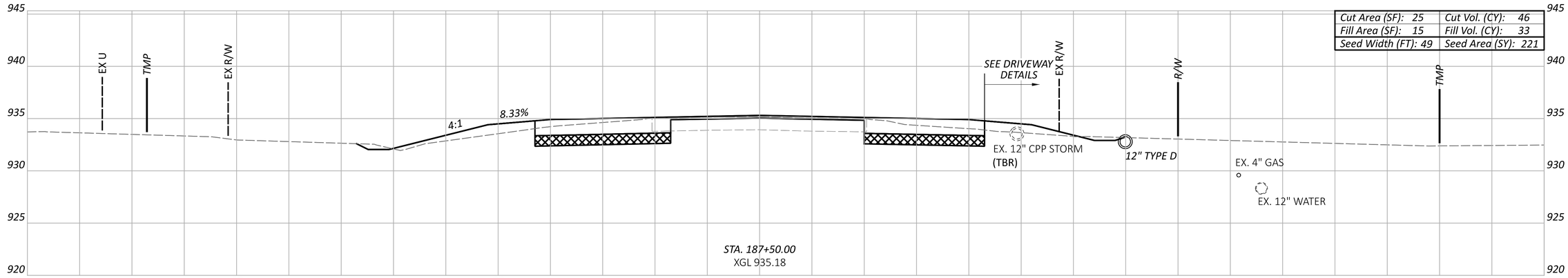
LEGEND

CHEMICALLY STABILIZED SUBGRADE



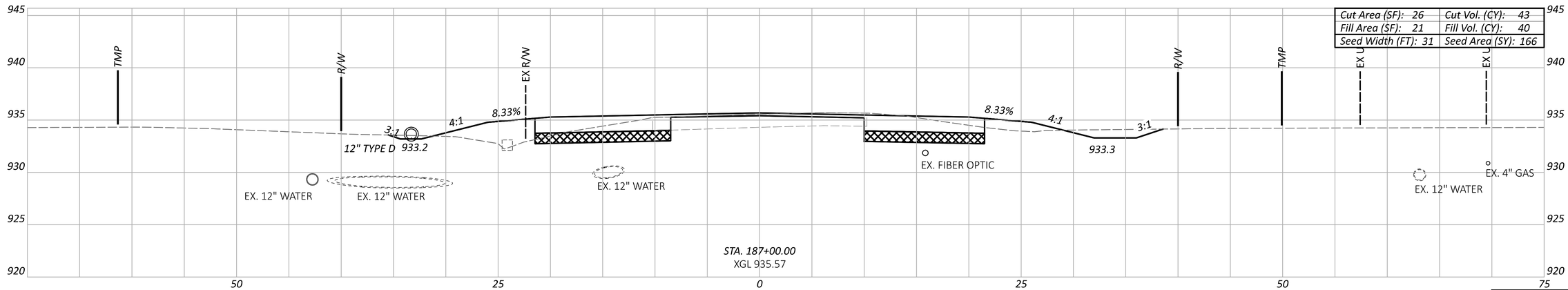
STA. 188+00.00
XGL 934.80

Cut Area (SF): 23	Cut Vol. (CY): 44
Fill Area (SF): 27	Fill Vol. (CY): 38
Seed Width (FT): 35	Seed Area (SY): 232



STA. 187+50.00
XGL 935.18

Cut Area (SF): 25	Cut Vol. (CY): 46
Fill Area (SF): 15	Fill Vol. (CY): 33
Seed Width (FT): 49	Seed Area (SY): 221



STA. 187+00.00
XGL 935.57

Cut Area (SF): 26	Cut Vol. (CY): 43
Fill Area (SF): 21	Fill Vol. (CY): 40
Seed Width (FT): 31	Seed Area (SY): 166

Sheet Totals		
Seeding	Cut	Fill
619	133	111

CROSS SECTIONS - T.R. 274
STA. 187+00 TO STA 188+00

DESIGN AGENCY
HNTB

DESIGNER HHR
REVIEWER KKP 08/01/24
PROJECT ID 1901
SHEET P.81 TOTAL P.157

DEL-CR10-5.60

MODEL: RW1 - 187+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:41 AM USER: asingleton
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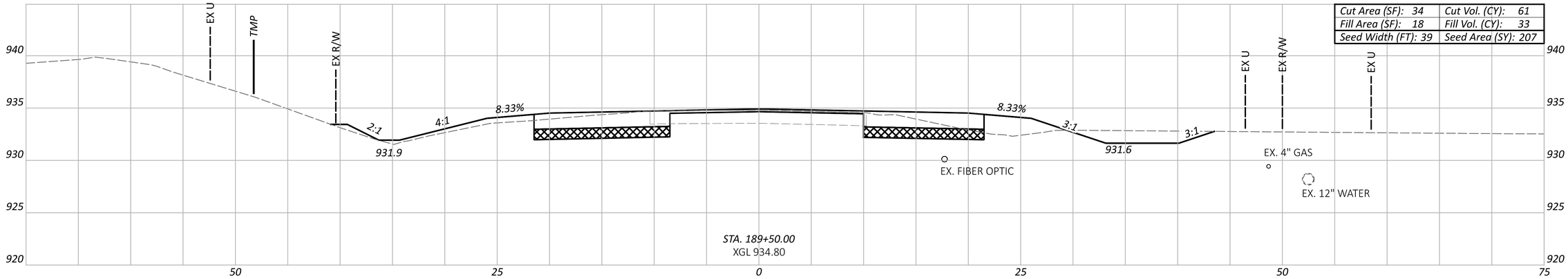
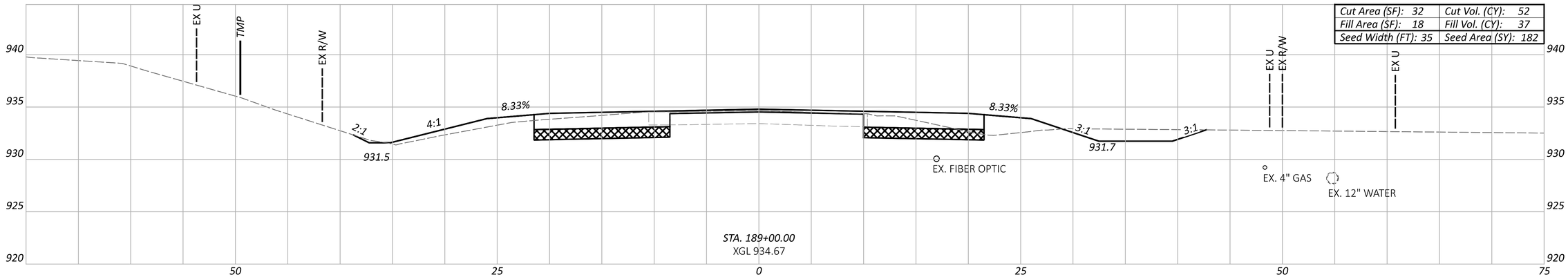
LEGEND

CHEMICALLY STABILIZED SUBGRADE



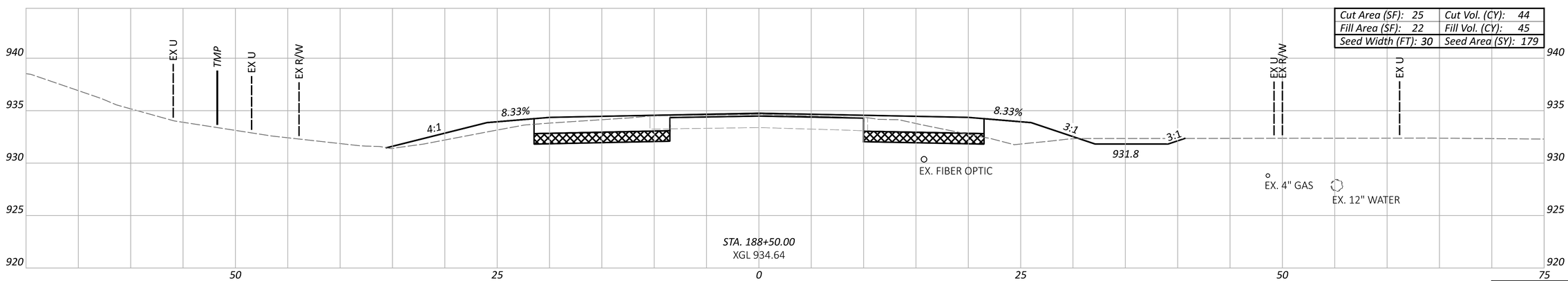
Cut Area (SF): 34	Cut Vol. (CY): 61
Fill Area (SF): 18	Fill Vol. (CY): 33
Seed Width (FT): 39	Seed Area (SY): 207

STA. 189+50.00
XGL 934.80



Cut Area (SF): 32	Cut Vol. (CY): 52
Fill Area (SF): 18	Fill Vol. (CY): 37
Seed Width (FT): 35	Seed Area (SY): 182

STA. 189+00.00
XGL 934.67



Cut Area (SF): 25	Cut Vol. (CY): 44
Fill Area (SF): 22	Fill Vol. (CY): 45
Seed Width (FT): 30	Seed Area (SY): 179

STA. 188+50.00
XGL 934.64

Sheet Totals		
Seeding	Cut	Fill
568	157	115

CROSS SECTIONS - T.R. 274
STA. 188+50 TO STA. 189+50

DESIGN AGENCY
HNTB

DESIGNER
NRE

REVIEWER
KKP 08/01/24

PROJECT ID
1901

SHEET P.82 TOTAL P.157

DEL-CR10-5.60

MODEL: RW1 - 188+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:42 AM USER: asingleton
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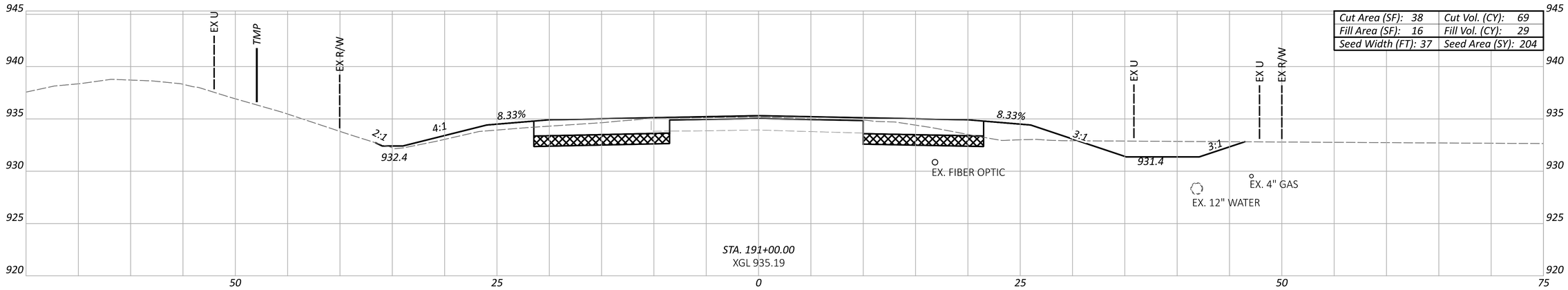
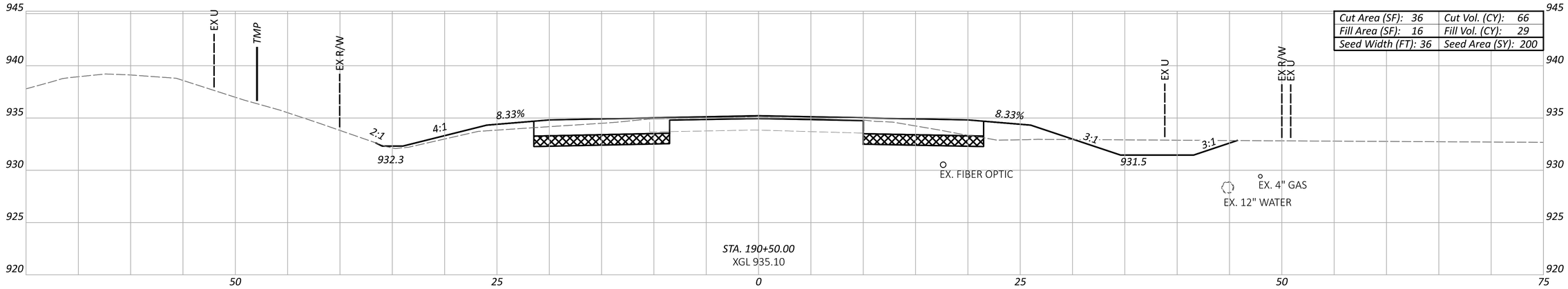
LEGEND

CHEMICALLY STABILIZED SUBGRADE



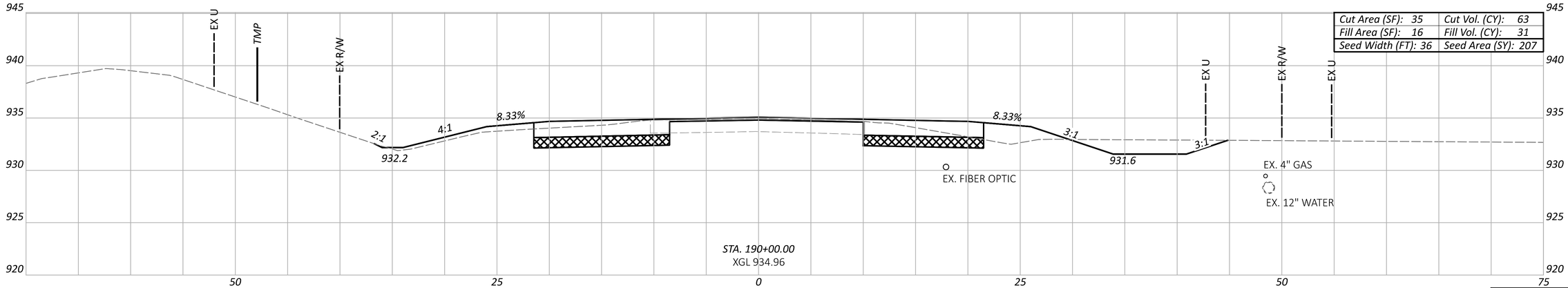
Cut Area (SF): 38	Cut Vol. (CY): 69
Fill Area (SF): 16	Fill Vol. (CY): 29
Seed Width (FT): 37	Seed Area (SY): 204

STA. 191+00.00
XGL 935.19



Cut Area (SF): 36	Cut Vol. (CY): 66
Fill Area (SF): 16	Fill Vol. (CY): 29
Seed Width (FT): 36	Seed Area (SY): 200

STA. 190+50.00
XGL 935.10



Cut Area (SF): 35	Cut Vol. (CY): 63
Fill Area (SF): 16	Fill Vol. (CY): 31
Seed Width (FT): 36	Seed Area (SY): 207

STA. 190+00.00
XGL 934.96

Sheet Totals		
Seeding	Cut	Fill
611	198	89

CROSS SECTIONS - T.R. 274
STA. 190+00 TO STA. 191+00

DESIGN AGENCY
HNTB

DESIGNER
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REVIEWER
KKP 08/01/24

PROJECT ID
1901

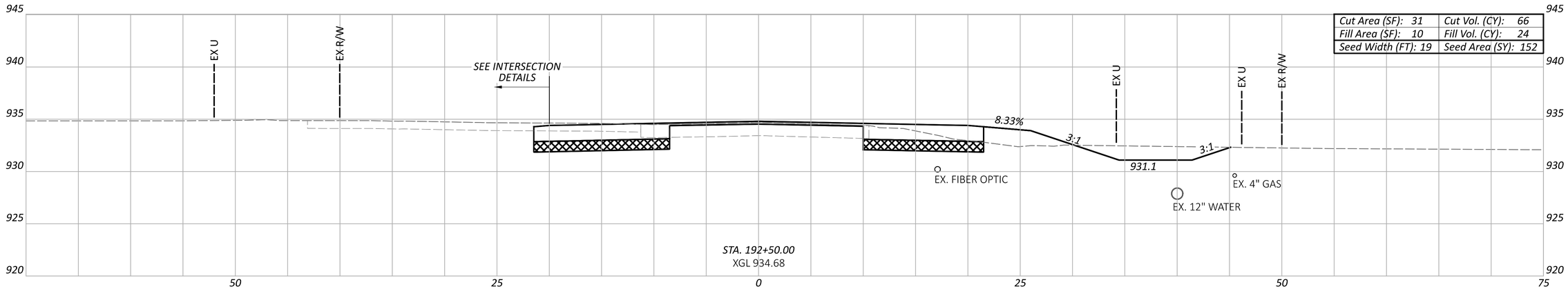
SHEET P.83 TOTAL P.157

DEL-CR10-5.60

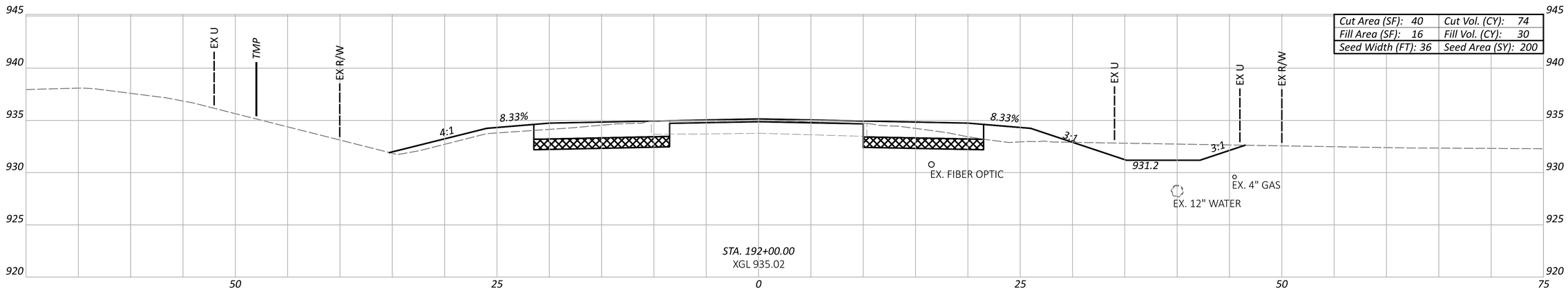
MODEL: RW1 - 190+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:43 AM USER: asingleton
pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Columbus Projects\83630 ODOT\DS01 DEL-CR10-5.60\40D-Engineering\Roadway\Sheets\1901_XS102.dgn

LEGEND

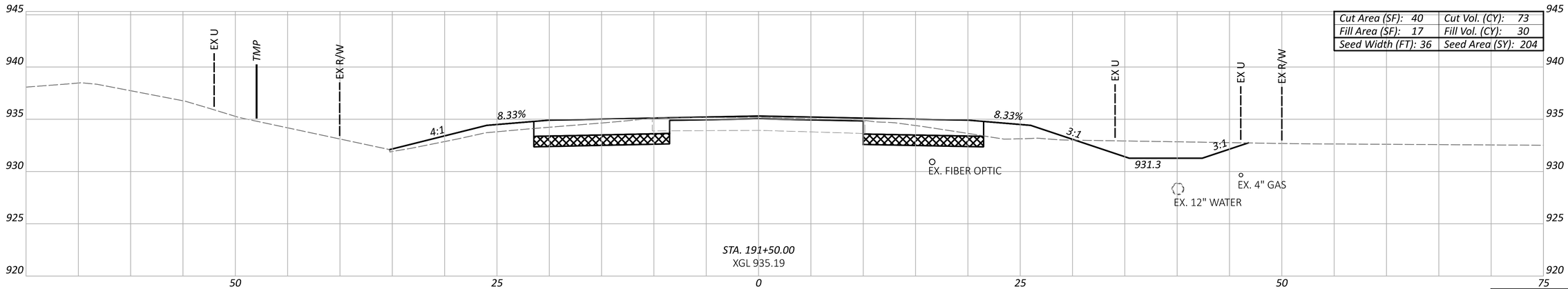
CHEMICALLY STABILIZED SUBGRADE



Cut Area (SF): 31	Cut Vol. (CY): 66
Fill Area (SF): 10	Fill Vol. (CY): 24
Seed Width (FT): 19	Seed Area (SY): 152



Cut Area (SF): 40	Cut Vol. (CY): 74
Fill Area (SF): 16	Fill Vol. (CY): 30
Seed Width (FT): 36	Seed Area (SY): 200



Cut Area (SF): 40	Cut Vol. (CY): 73
Fill Area (SF): 17	Fill Vol. (CY): 30
Seed Width (FT): 36	Seed Area (SY): 204

Sheet Totals		
Seeding	Cut	Fill
555	213	85

CROSS SECTIONS - T.R. 274
STA. 191+50 TO STA. 192+50

DESIGN AGENCY
HNTB

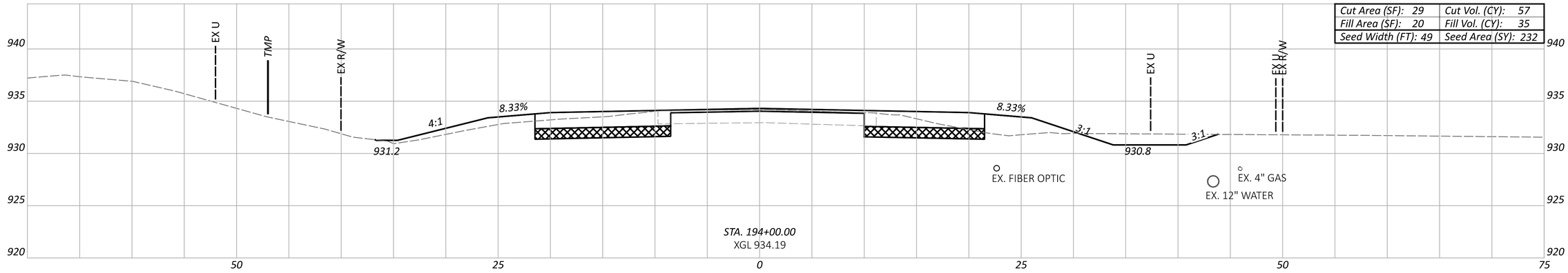
DESIGNER NRE
REVIEWER KKP 08/01/24
PROJECT ID 1901
SHEET P.84 TOTAL P.157

DEL-CR10-5.60

MODEL: RW1 - 191+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:44 AM USER: asingleton
pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Columbus Projects\83630 ODOT\DS01 DEL-CR10-5.60\400-Engineering\Roadway\Sheets\1901_XS102.dgn

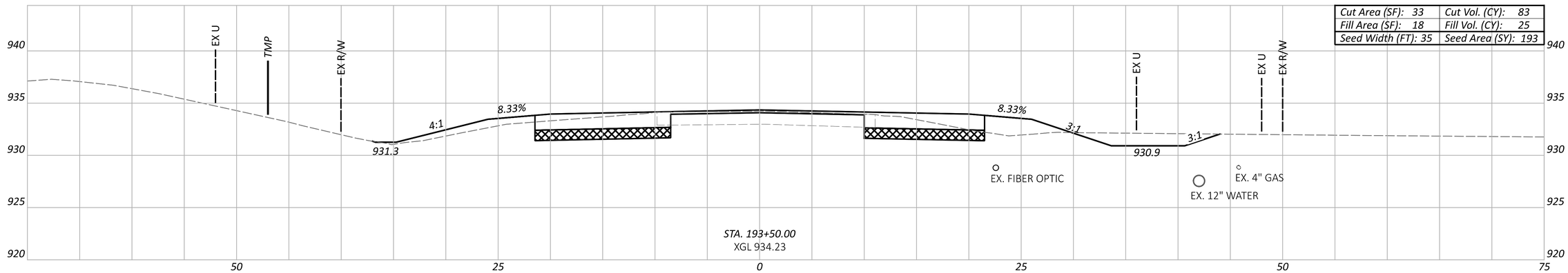
LEGEND

CHEMICALLY STABILIZED SUBGRADE



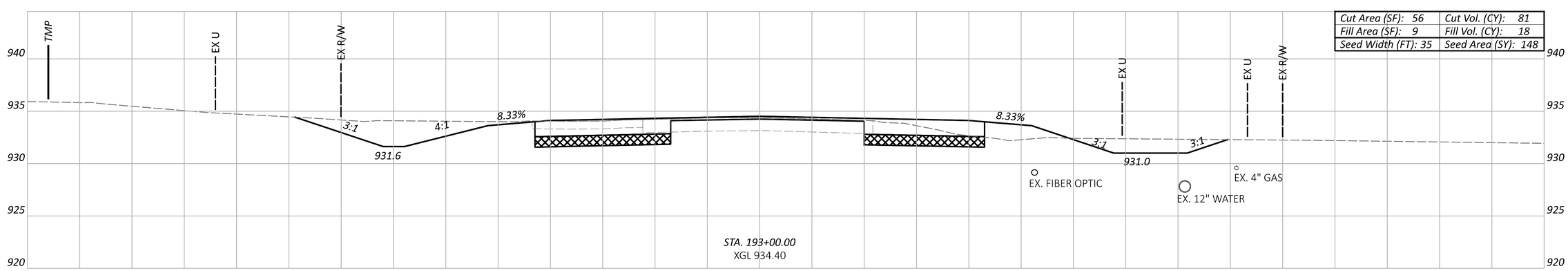
STA. 194+00.00
XGL 934.19

Cut Area (SF): 29	Cut Vol. (CY): 57
Fill Area (SF): 20	Fill Vol. (CY): 35
Seed Width (FT): 49	Seed Area (SY): 232



STA. 193+50.00
XGL 934.23

Cut Area (SF): 33	Cut Vol. (CY): 83
Fill Area (SF): 18	Fill Vol. (CY): 25
Seed Width (FT): 35	Seed Area (SY): 193



STA. 193+00.00
XGL 934.40

Cut Area (SF): 56	Cut Vol. (CY): 81
Fill Area (SF): 9	Fill Vol. (CY): 18
Seed Width (FT): 35	Seed Area (SY): 148

Sheet Totals		
Seeding	Cut	Fill
573	221	78

CROSS SECTIONS - T.R. 274
STA. 193+00 TO STA. 194+00

DESIGN AGENCY
HNTB

DESIGNER
NRE

REVIEWER
KKP 08/01/24

PROJECT ID
1901

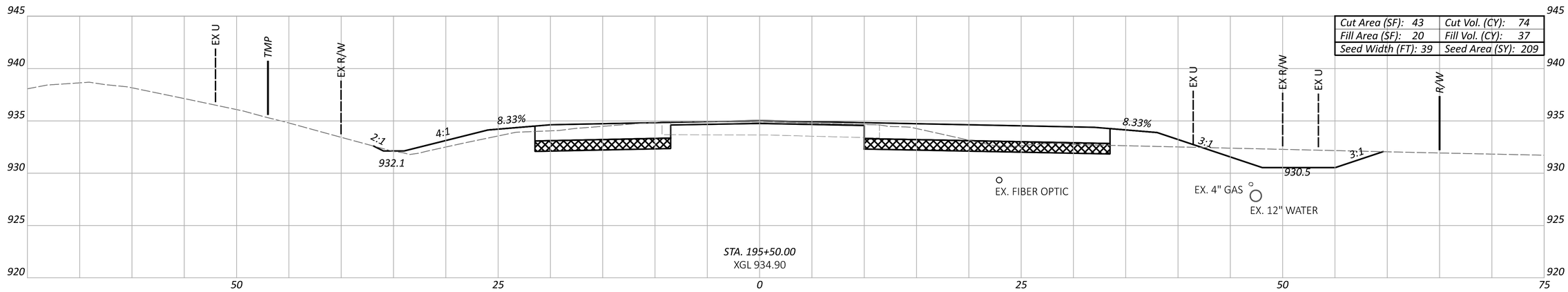
SHEET P.85 TOTAL P.157

DEL-CR10-5.60

MODEL: RW1 - 193+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:45 AM USER: asingleton
pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Columbus Projects\83630 ODOT\DS01 DEL-CR10-5.60\400-Engineering\Roadway\Sheets\1901_XS102.dgn

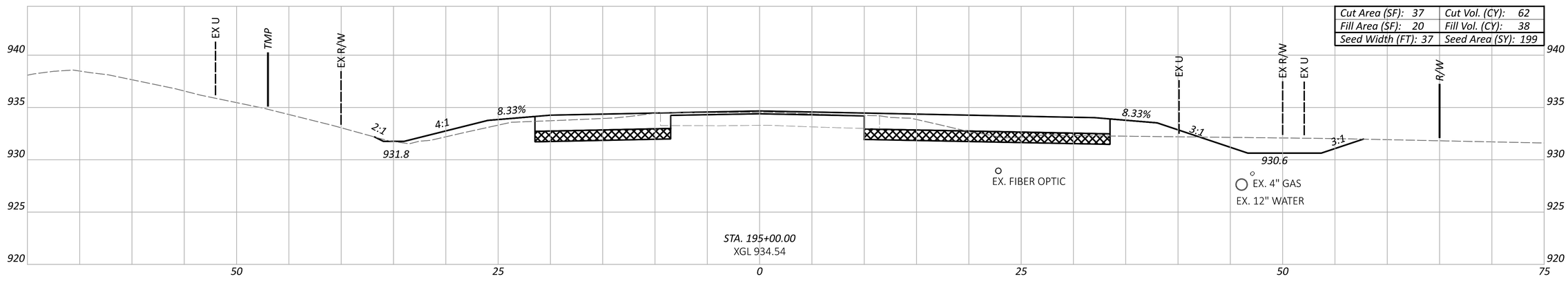
LEGEND

CHEMICALLY STABILIZED SUBGRADE



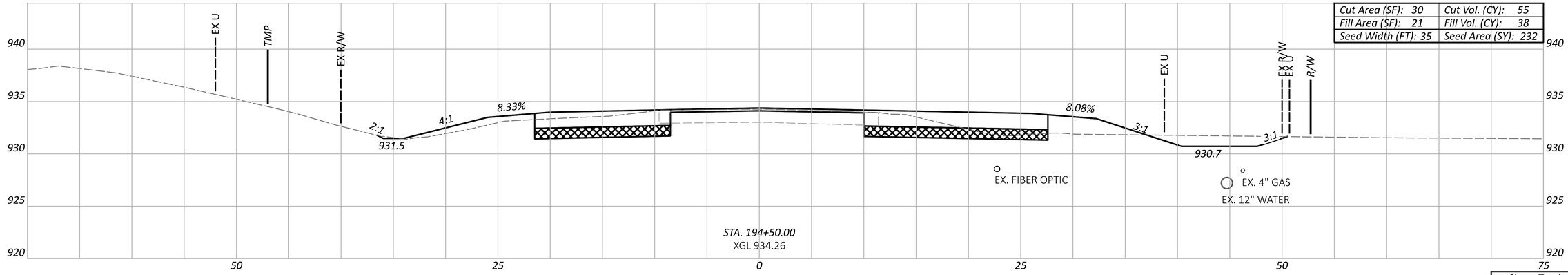
Cut Area (SF): 43	Cut Vol. (CY): 74
Fill Area (SF): 20	Fill Vol. (CY): 37
Seed Width (FT): 39	Seed Area (SY): 209

STA. 195+50.00
XGL 934.90



Cut Area (SF): 37	Cut Vol. (CY): 62
Fill Area (SF): 20	Fill Vol. (CY): 38
Seed Width (FT): 37	Seed Area (SY): 199

STA. 195+00.00
XGL 934.54



Cut Area (SF): 30	Cut Vol. (CY): 55
Fill Area (SF): 21	Fill Vol. (CY): 38
Seed Width (FT): 35	Seed Area (SY): 232

STA. 194+50.00
XGL 934.26

Sheet Totals		
Seeding	Cut	Fill
640	191	113

CROSS SECTIONS - T.R. 274
STA. 194+50 TO STA. 195+50

DESIGN AGENCY
HNTB

DESIGNER
NRE

REVIEWER
KKP 08/01/24

PROJECT ID
1901

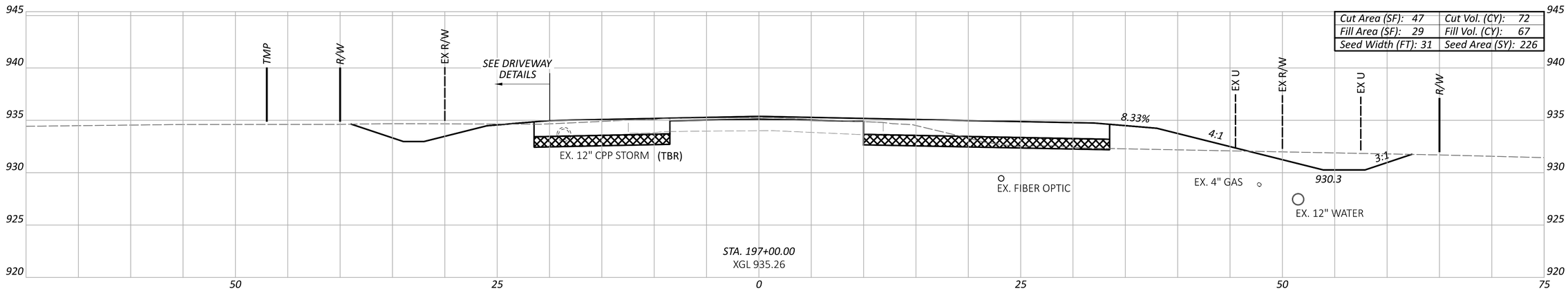
SHEET P.86 TOTAL P.157

DEL-CR10-5.60

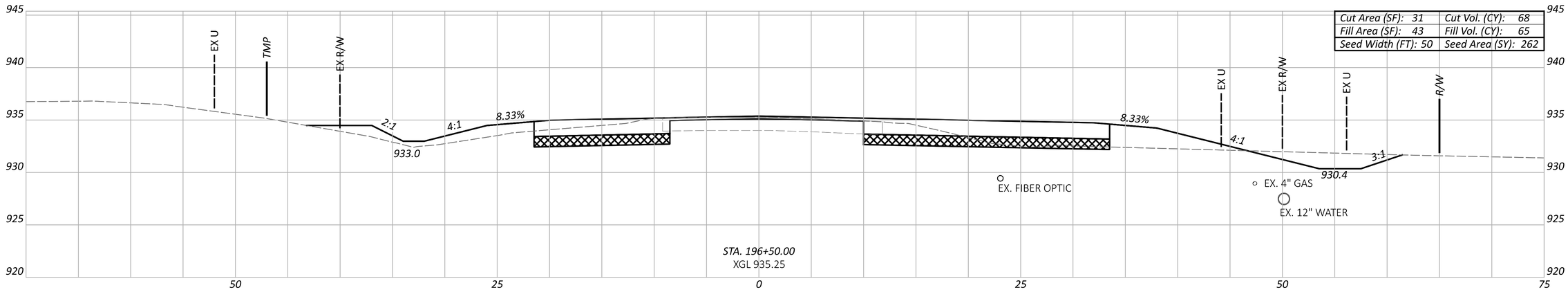
MODEL: RW1 - 194+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:46 AM USER: asingleton
pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Columbus Projects\83630 ODOT\DS01 DEL-CR10-5.60\400-Engineering\Roadway\Sheets\1901_XS102.dgn

LEGEND

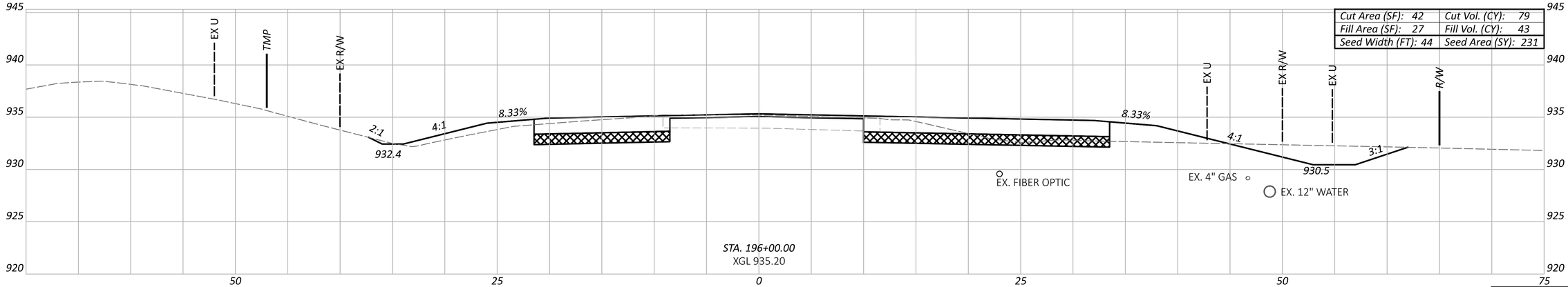
CHEMICALLY STABILIZED SUBGRADE



Cut Area (SF): 47	Cut Vol. (CY): 72
Fill Area (SF): 29	Fill Vol. (CY): 67
Seed Width (FT): 31	Seed Area (SY): 226



Cut Area (SF): 31	Cut Vol. (CY): 68
Fill Area (SF): 43	Fill Vol. (CY): 65
Seed Width (FT): 50	Seed Area (SY): 262



Cut Area (SF): 42	Cut Vol. (CY): 79
Fill Area (SF): 27	Fill Vol. (CY): 43
Seed Width (FT): 44	Seed Area (SY): 231

Sheet Totals		
Seeding	Cut	Fill
719	219	175

CROSS SECTIONS - T.R. 274
STA. 196+00 TO STA. 197+00

DESIGN AGENCY
HNTB

DESIGNER NRE

REVIEWER KKP 08/01/24

PROJECT ID 1901

SHEET P.87 TOTAL P.157

DEL-CR10-5.60

MODEL: RW1 - 196+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:47 AM USER: asingleton
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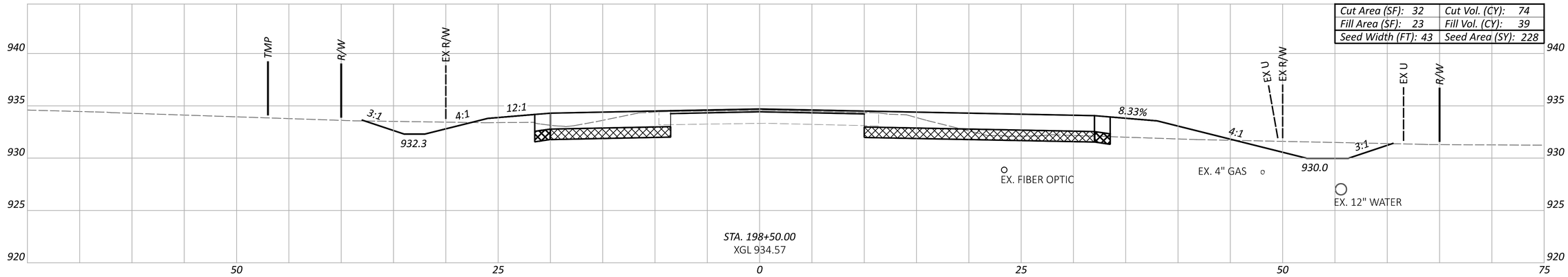
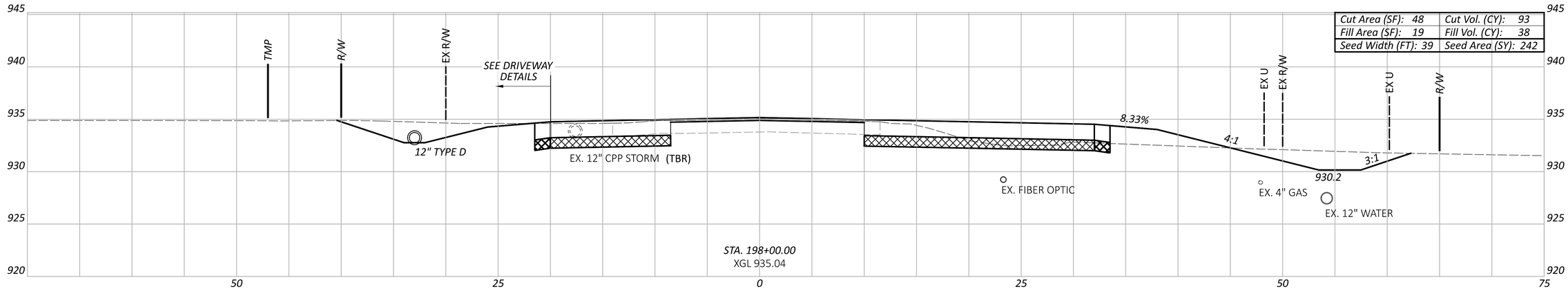
LEGEND

CHEMICALLY STABILIZED SUBGRADE



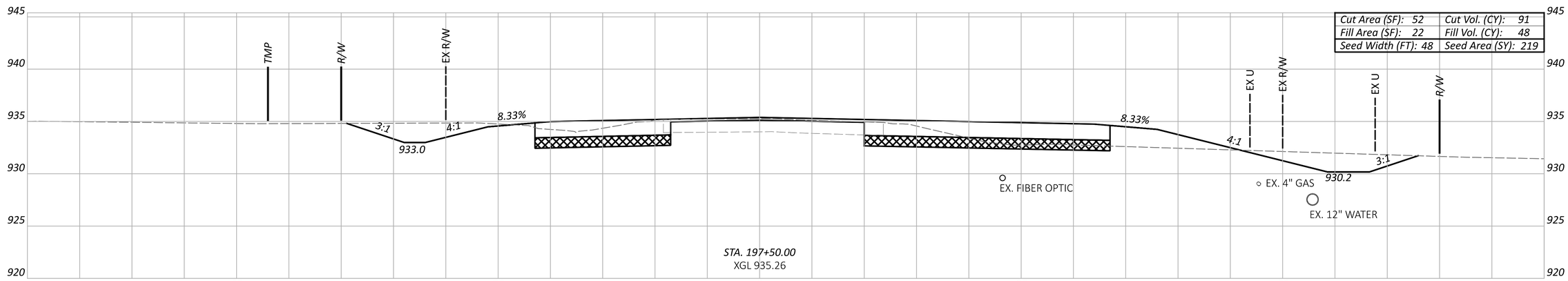
Cut Area (SF): 32	Cut Vol. (CY): 74
Fill Area (SF): 23	Fill Vol. (CY): 39
Seed Width (FT): 43	Seed Area (SY): 228

STA. 198+50.00
XGL 934.57



Cut Area (SF): 48	Cut Vol. (CY): 93
Fill Area (SF): 19	Fill Vol. (CY): 38
Seed Width (FT): 39	Seed Area (SY): 242

STA. 198+00.00
XGL 935.04



Cut Area (SF): 52	Cut Vol. (CY): 91
Fill Area (SF): 22	Fill Vol. (CY): 48
Seed Width (FT): 48	Seed Area (SY): 219

STA. 197+50.00
XGL 935.26

Sheet Totals		
Seeding	Cut	Fill
690	259	125

CROSS SECTIONS - T.R. 274
STA. 197+50 TO STA. 198+50

DESIGN AGENCY
HNTB

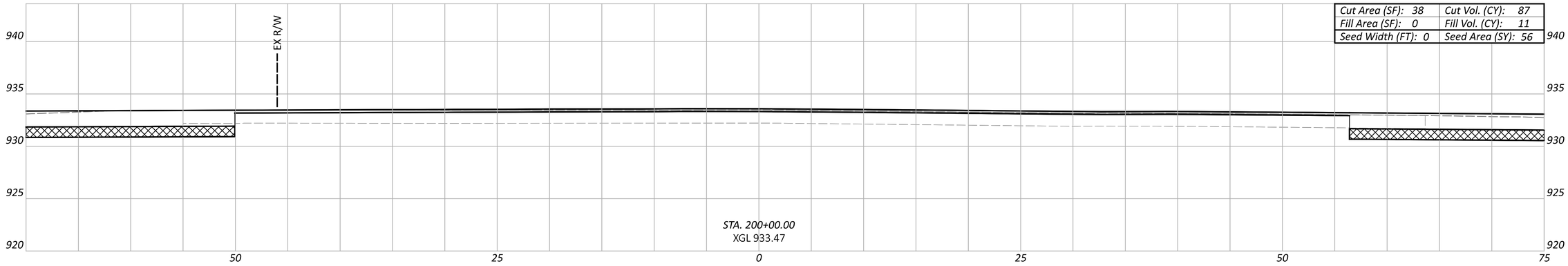
DESIGNER NRE
REVIEWER KKP 08/01/24
PROJECT ID 1901
SHEET P.88 TOTAL P.157

DEL-CR10-5.60

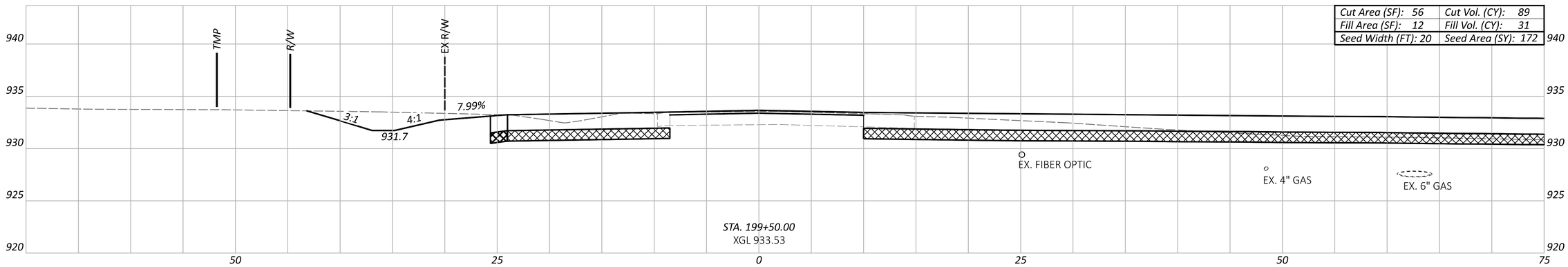
MODEL: RW1 - 197+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:48 AM USER: asingleton
pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Columbus Projects\83630 ODOT\DS01 DEL-CR10-5.60\400-Engineering\Roadway\Sheets\1901_XS102.dgn

LEGEND

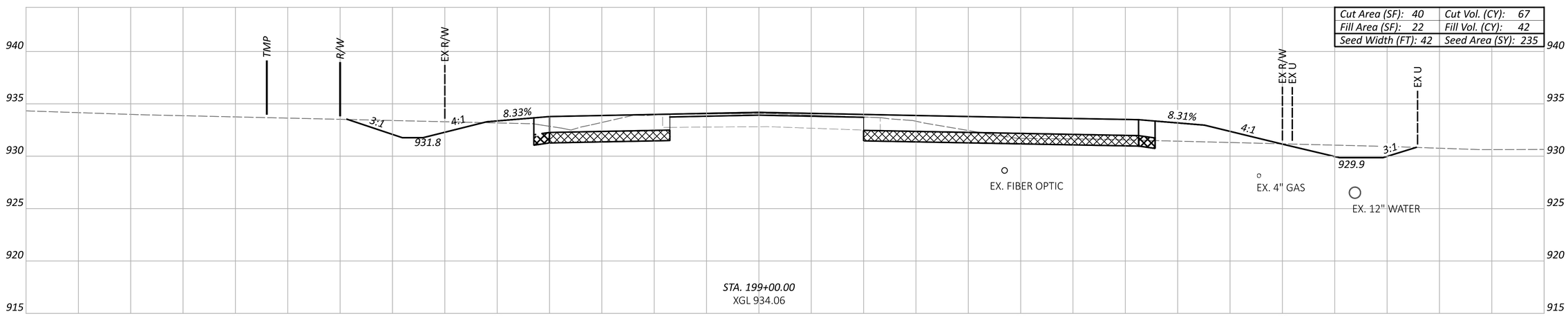
CHEMICALLY STABILIZED SUBGRADE



Cut Area (SF): 38	Cut Vol. (CY): 87
Fill Area (SF): 0	Fill Vol. (CY): 11
Seed Width (FT): 0	Seed Area (SY): 56



Cut Area (SF): 56	Cut Vol. (CY): 89
Fill Area (SF): 12	Fill Vol. (CY): 31
Seed Width (FT): 20	Seed Area (SY): 172



Cut Area (SF): 40	Cut Vol. (CY): 67
Fill Area (SF): 22	Fill Vol. (CY): 42
Seed Width (FT): 42	Seed Area (SY): 235

Sheet Totals		
Seeding	Cut	Fill
462	243	84

CROSS SECTIONS - T.R. 274
STA. 199+00 TO STA. 200+00

DESIGN AGENCY

HNTB

DESIGNER NRE

REVIEWER KKP 08/01/24

PROJECT ID 1901

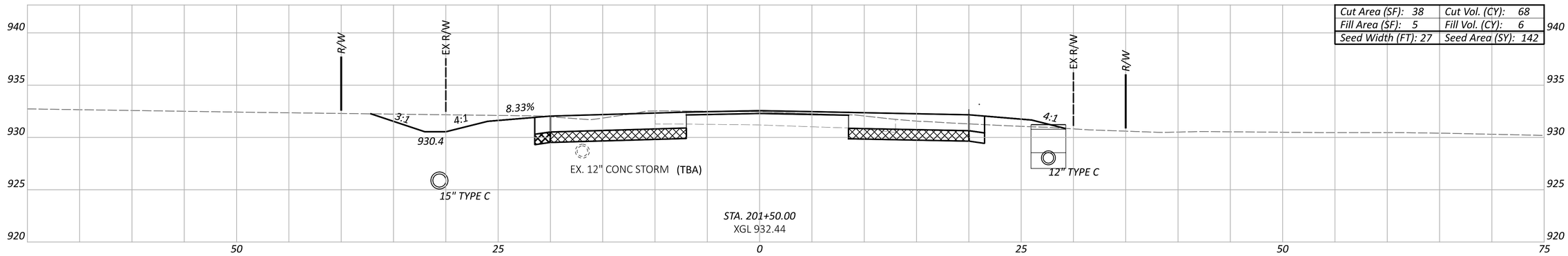
SHEET P.89 TOTAL P.157

DEL-CR10-5.60

MODEL: RW1 - 199+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:49 AM USER: asingleton
pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Columbus Projects\83630 ODOT\DS01 DEL-CR10-5.60\400-Engineering\Roadway\Sheets\1901_XS102.dgn

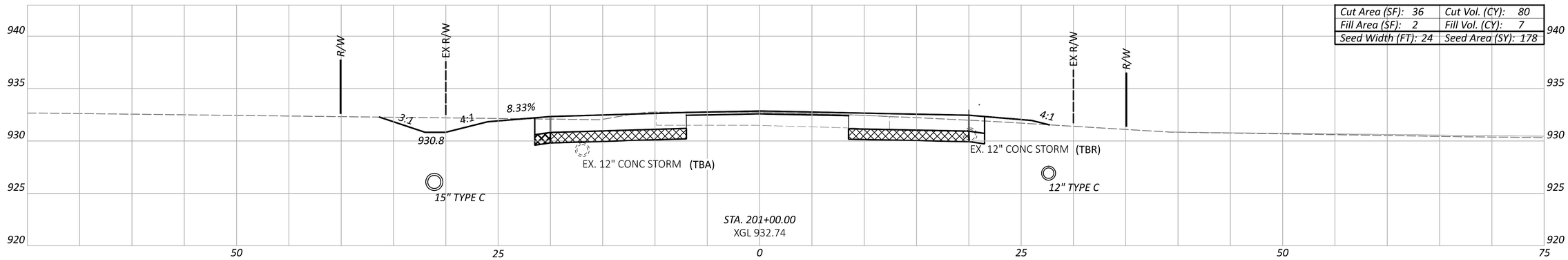
LEGEND

CHEMICALLY STABILIZED SUBGRADE



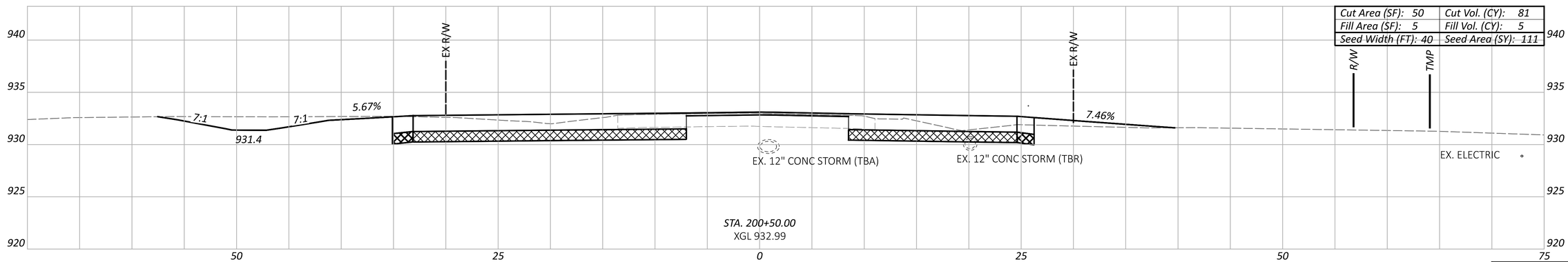
Cut Area (SF): 38	Cut Vol. (CY): 68
Fill Area (SF): 5	Fill Vol. (CY): 6
Seed Width (FT): 27	Seed Area (SY): 142

STA. 201+50.00
XGL 932.44



Cut Area (SF): 36	Cut Vol. (CY): 80
Fill Area (SF): 2	Fill Vol. (CY): 7
Seed Width (FT): 24	Seed Area (SY): 178

STA. 201+00.00
XGL 932.74



Cut Area (SF): 50	Cut Vol. (CY): 81
Fill Area (SF): 5	Fill Vol. (CY): 5
Seed Width (FT): 40	Seed Area (SY): 111

STA. 200+50.00
XGL 932.99

Sheet Totals		
Seeding	Cut	Fill
431	229	18

CROSS SECTIONS - T.R. 274
STA. 200+50 TO STA. 201+50

DESIGN AGENCY
HNTB

DESIGNER
NRE

REVIEWER
KKP 08/01/24

PROJECT ID
1901

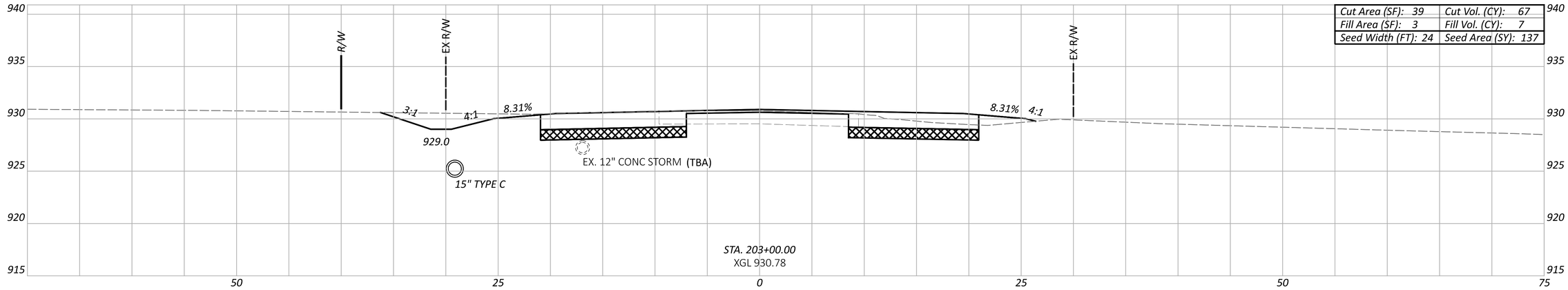
SHEET P.90 TOTAL P.157

DEL-CR10-5.60

MODEL: RW1 - 200+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:50 AM USER: asingleton
pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Columbus Projects\83630 ODOT\DS01 DEL-CR10-5.60\400-Engineering\Roadway\Sheets\1901_XS102.dgn

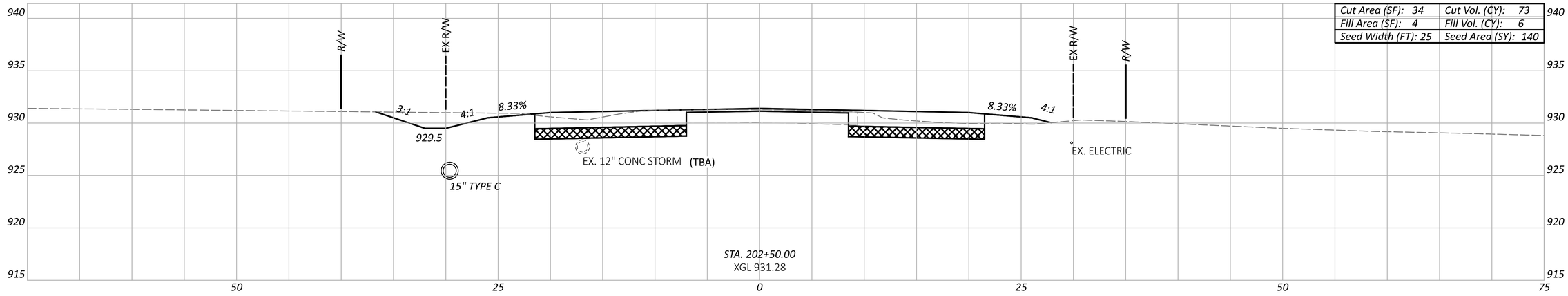
LEGEND

CHEMICALLY STABILIZED SUBGRADE



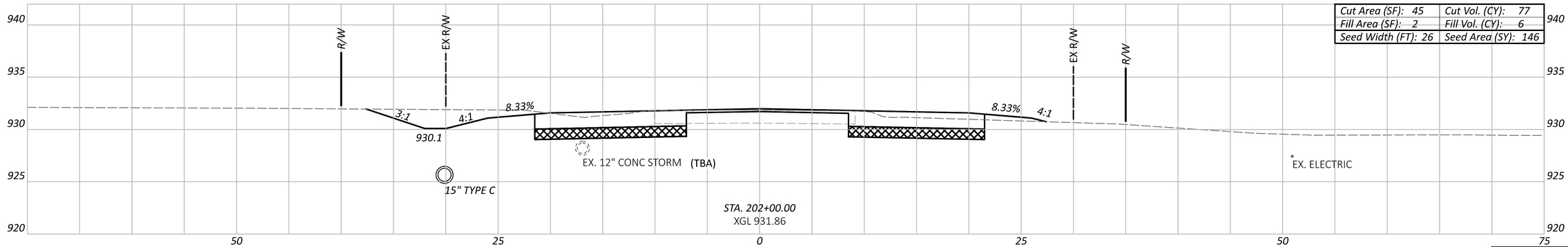
STA. 203+00.00
XGL 930.78

Cut Area (SF): 39	Cut Vol. (CY): 67
Fill Area (SF): 3	Fill Vol. (CY): 7
Seed Width (FT): 24	Seed Area (SY): 137



STA. 202+50.00
XGL 931.28

Cut Area (SF): 34	Cut Vol. (CY): 73
Fill Area (SF): 4	Fill Vol. (CY): 6
Seed Width (FT): 25	Seed Area (SY): 140



STA. 202+00.00
XGL 931.86

Cut Area (SF): 45	Cut Vol. (CY): 77
Fill Area (SF): 2	Fill Vol. (CY): 6
Seed Width (FT): 26	Seed Area (SY): 146

Sheet Totals		
Seeding	Cut	Fill
423	217	19

CROSS SECTIONS - T.R. 274
STA. 202+00 TO STA. 203+00

DESIGN AGENCY
HNTB

DESIGNER
NRE

REVIEWER
KKP 08/01/24

PROJECT ID
1901

SHEET P.91 | TOTAL P.157

DEL-CR10-5.60

MODEL: RW1 - 202+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:51 AM USER: asingleton
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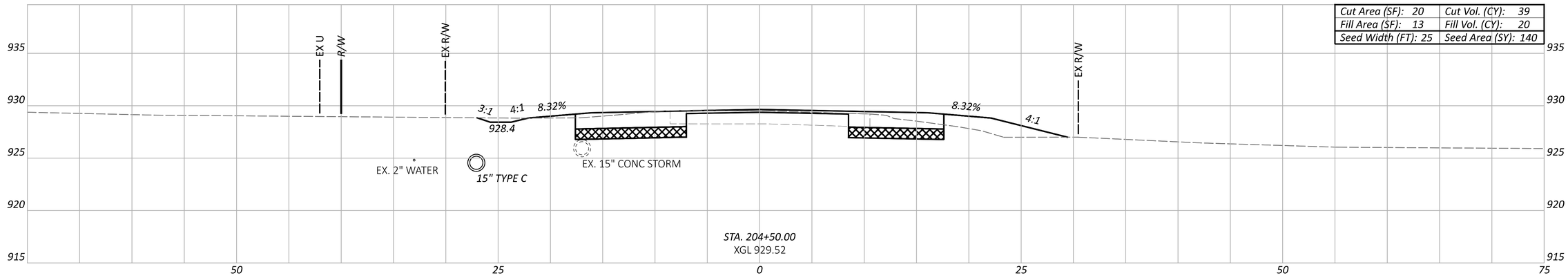
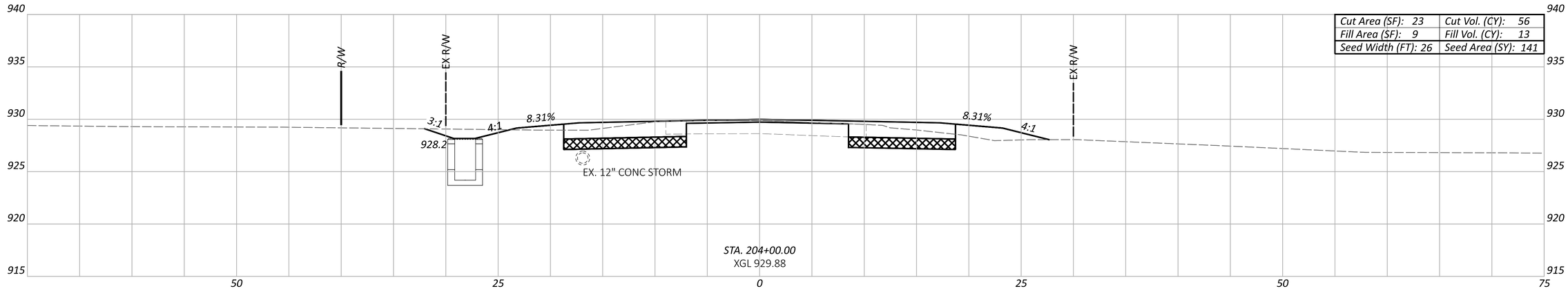
LEGEND

CHEMICALLY STABILIZED SUBGRADE



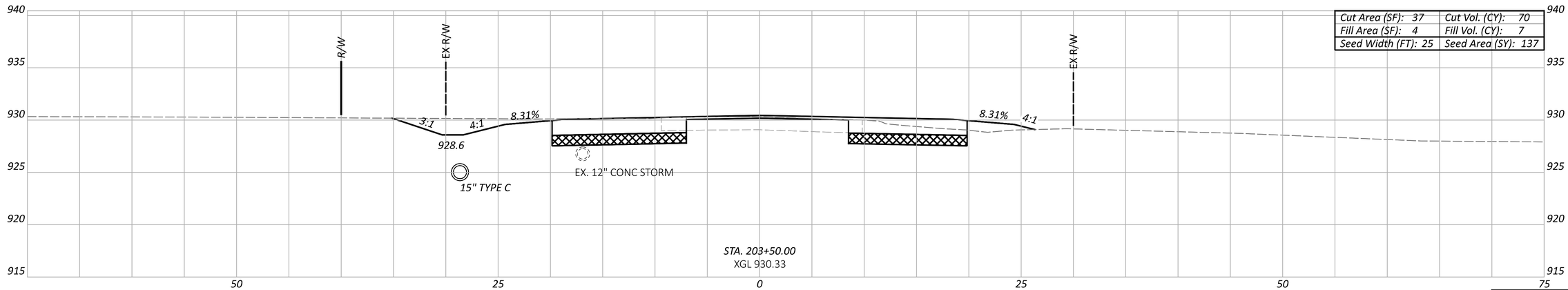
STA. 204+50.00
XGL 929.52

Cut Area (SF): 20	Cut Vol. (CY): 39
Fill Area (SF): 13	Fill Vol. (CY): 20
Seed Width (FT): 25	Seed Area (SY): 140



STA. 204+00.00
XGL 929.88

Cut Area (SF): 23	Cut Vol. (CY): 56
Fill Area (SF): 9	Fill Vol. (CY): 13
Seed Width (FT): 26	Seed Area (SY): 141



STA. 203+50.00
XGL 930.33

Cut Area (SF): 37	Cut Vol. (CY): 70
Fill Area (SF): 4	Fill Vol. (CY): 7
Seed Width (FT): 25	Seed Area (SY): 137

Sheet Totals		
Seeding	Cut	Fill
418	165	40

CROSS SECTIONS - T.R. 274
STA. 203+50 TO STA. 204+50

DESIGN AGENCY
HNTB

DESIGNER
NRE

REVIEWER
KKP 08/01/24

PROJECT ID
1901

SHEET P.92 TOTAL P.157

DEL-CR10-5.60

MODEL: RW1 - 203+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:51 AM USER: asingleton
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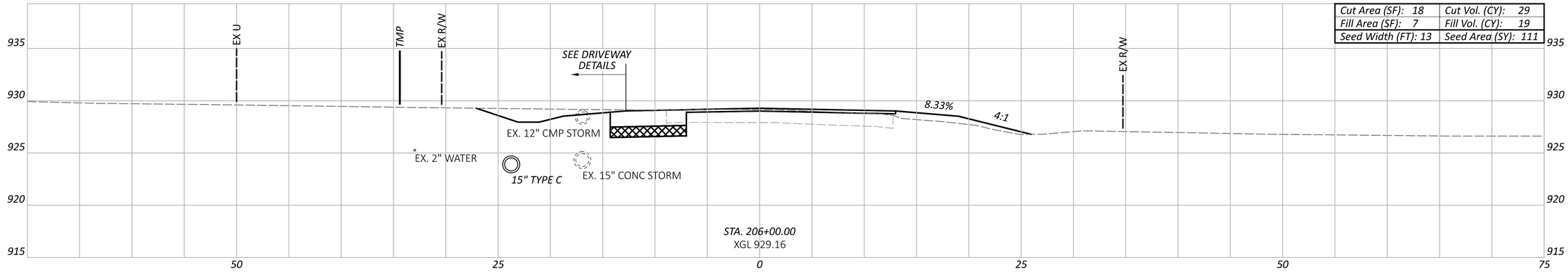
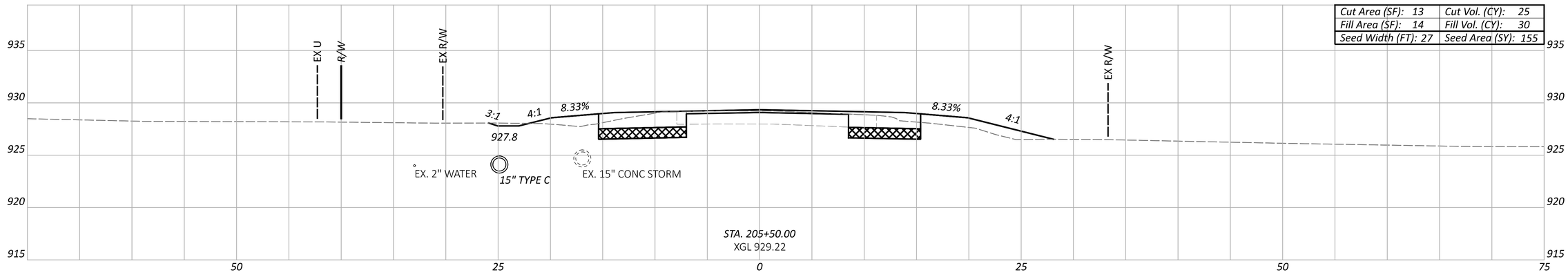
LEGEND

CHEMICALLY STABILIZED SUBGRADE



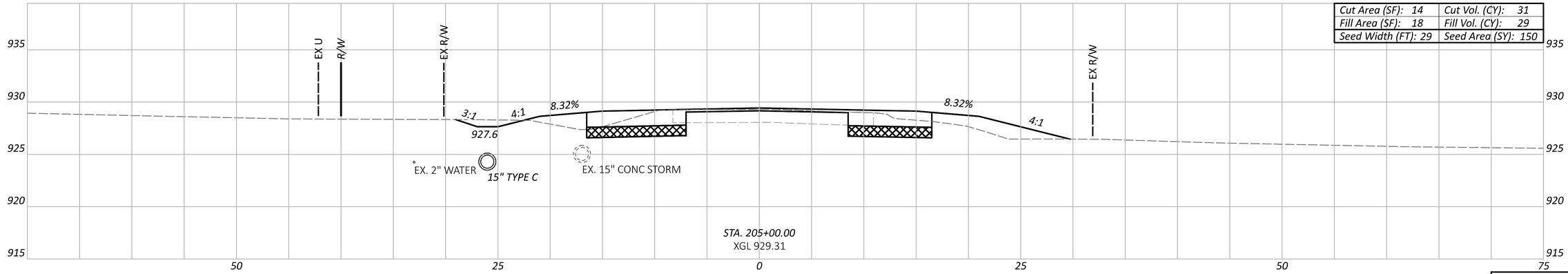
Cut Area (SF): 18	Cut Vol. (CY): 29
Fill Area (SF): 7	Fill Vol. (CY): 19
Seed Width (FT): 13	Seed Area (SY): 111

STA. 206+00.00
XGL 929.16



Cut Area (SF): 13	Cut Vol. (CY): 25
Fill Area (SF): 14	Fill Vol. (CY): 30
Seed Width (FT): 27	Seed Area (SY): 155

STA. 205+50.00
XGL 929.22



Cut Area (SF): 14	Cut Vol. (CY): 31
Fill Area (SF): 18	Fill Vol. (CY): 29
Seed Width (FT): 29	Seed Area (SY): 150

STA. 205+00.00
XGL 929.31

Sheet Totals		
Seeding	Cut	Fill
415	85	78

CROSS SECTIONS - T.R. 274
STA. 205+00 TO STA. 206+00

DESIGN AGENCY
HNTB

DESIGNER
NRE

REVIEWER
KKP 08/01/24

PROJECT ID
1901

SHEET P.93 TOTAL P.157

DEL-CR10-5.60

MODEL: RW1 - 205+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:52 AM USER: asingleton
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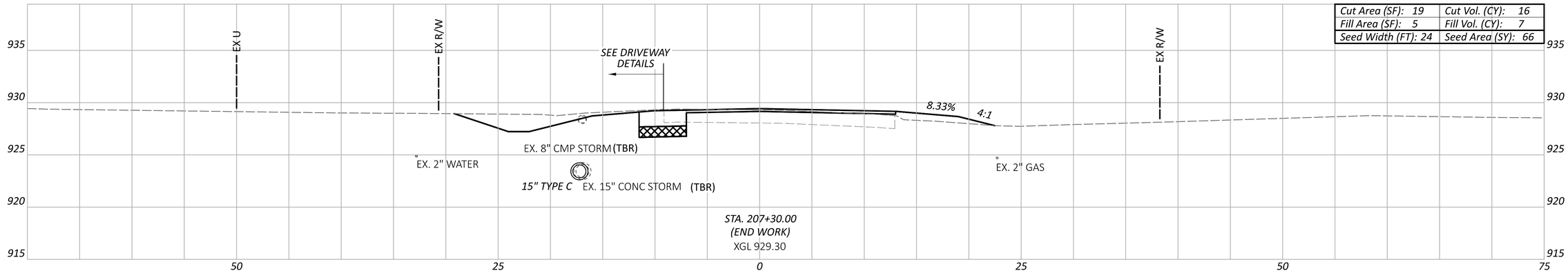
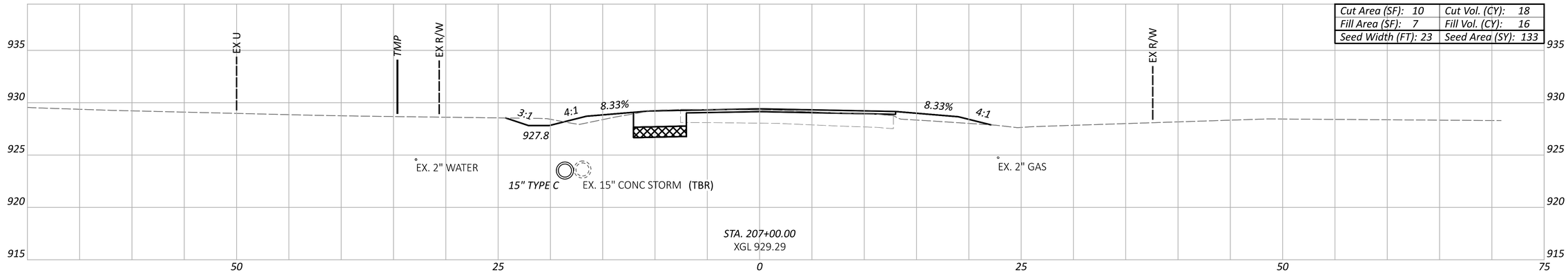
LEGEND

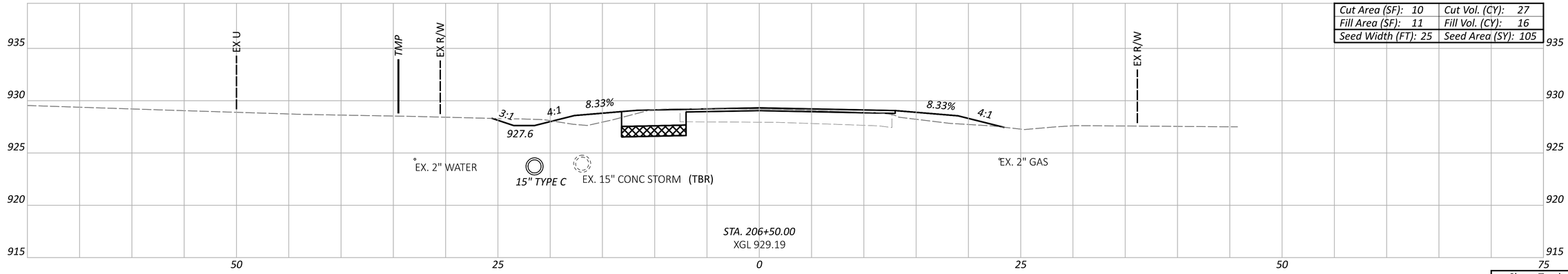
CHEMICALLY STABILIZED SUBGRADE



Cut Area (SF): 19	Cut Vol. (CY): 16
Fill Area (SF): 5	Fill Vol. (CY): 7
Seed Width (FT): 24	Seed Area (SY): 66



Cut Area (SF): 10	Cut Vol. (CY): 18
Fill Area (SF): 7	Fill Vol. (CY): 16
Seed Width (FT): 23	Seed Area (SY): 133



Cut Area (SF): 10	Cut Vol. (CY): 27
Fill Area (SF): 11	Fill Vol. (CY): 16
Seed Width (FT): 25	Seed Area (SY): 105

Sheet Totals		
Seeding	Cut	Fill
303	61	39

CROSS SECTIONS - T.R. 274
STA. 206+50 TO STA. 207+30

DESIGN AGENCY

HNTB

DESIGNER NRE

REVIEWER KKP 08/01/24

PROJECT ID 1901

SHEET P.94 TOTAL P.157

DEL-CR10-5.60

MODEL: RW1 - 206+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:53 AM USER: asingleton
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DEL-CR10-5.60

MODEL: RW1 - 207+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:12:54 AM USER: asingleton
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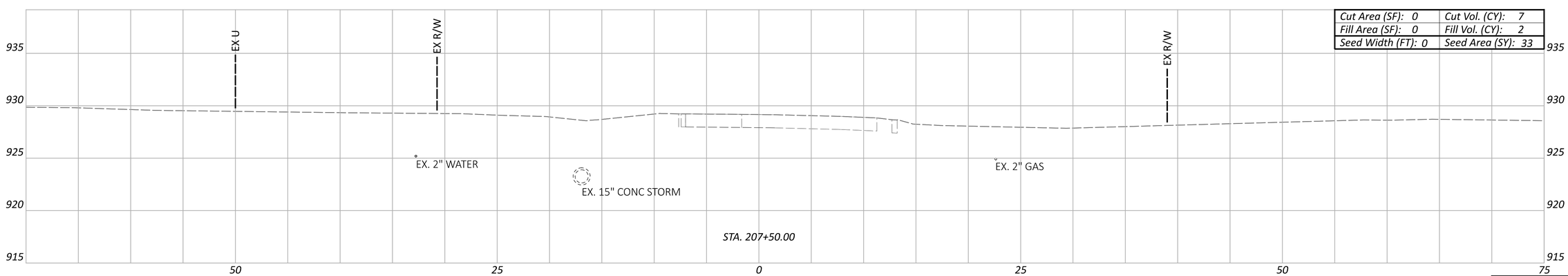
CROSS SECTIONS - T.R. 274
END WORK



Cut Area (SF): 0	Cut Vol. (CY): 7
Fill Area (SF): 0	Fill Vol. (CY): 2
Seed Width (FT): 0	Seed Area (SY): 33

Sheet Totals		
Seeding	Cut	Fill
33	7	2

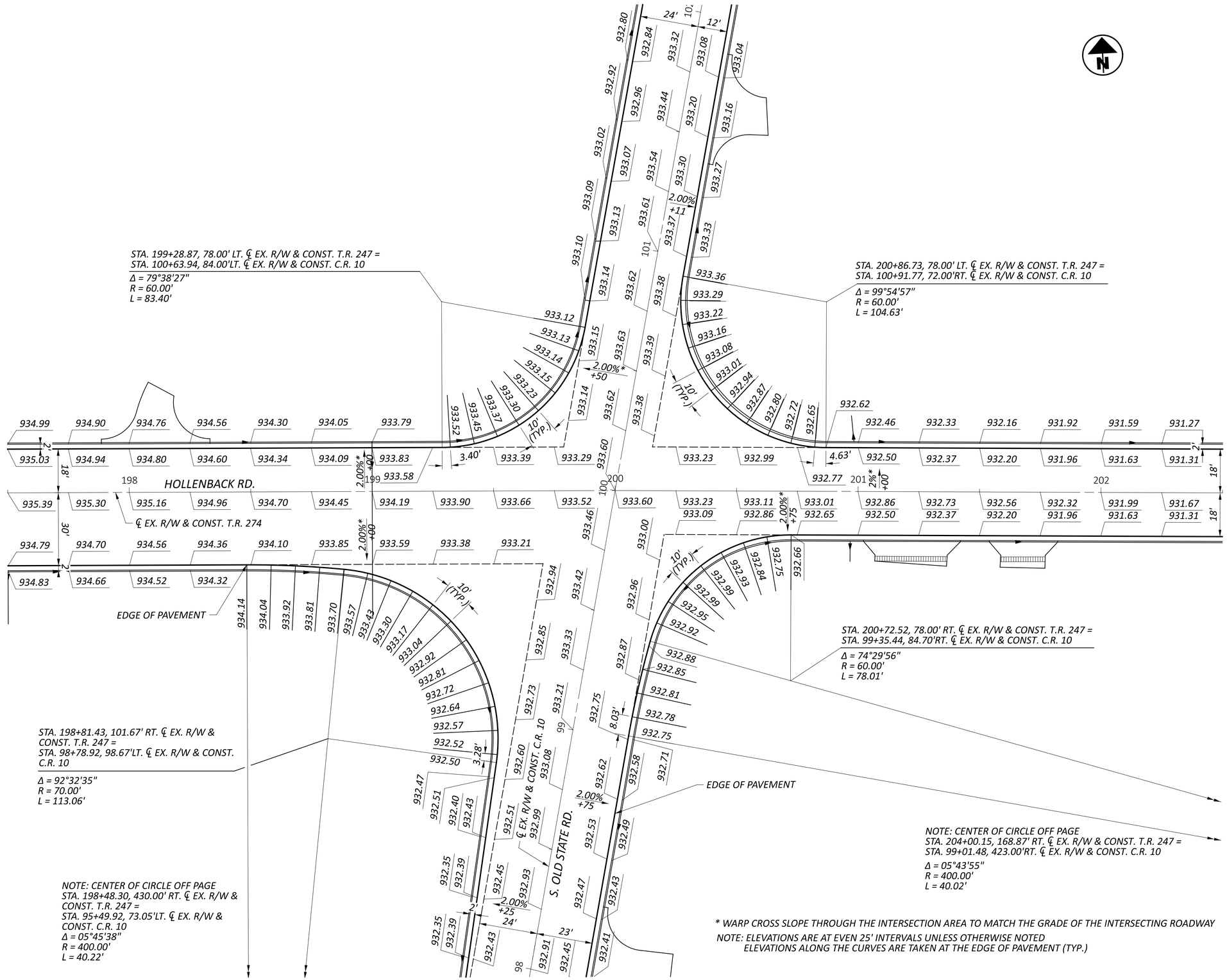
DESIGN AGENCY
HNTB

DESIGNER
NRE

REVIEWER
KKP 08/01/24

PROJECT ID
1901

SHEET P.95 TOTAL P.157



* WARP CROSS SLOPE THROUGH THE INTERSECTION AREA TO MATCH THE GRADE OF THE INTERSECTING ROADWAY

NOTE: ELEVATIONS ARE AT EVEN 25' INTERVALS UNLESS OTHERWISE NOTED
ELEVATIONS ALONG THE CURVES ARE TAKEN AT THE EDGE OF PAVEMENT (TYP.)

HORIZONTAL SCALE IN FEET
0 10 20 40

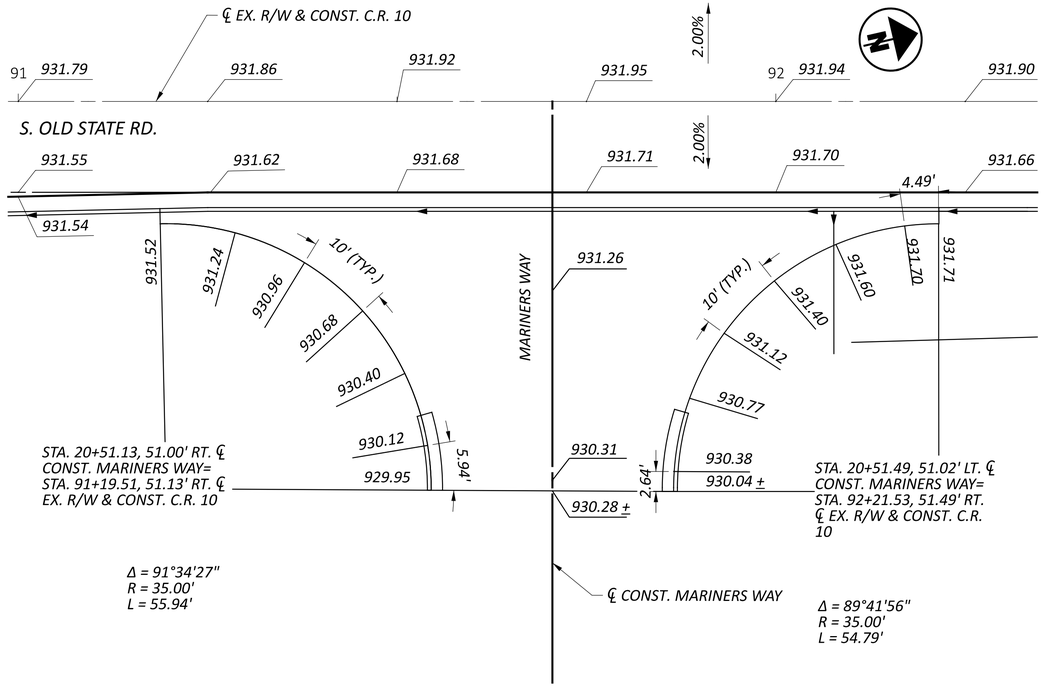
INTERSECTION DETAILS C.R. 10 & T.R. 274

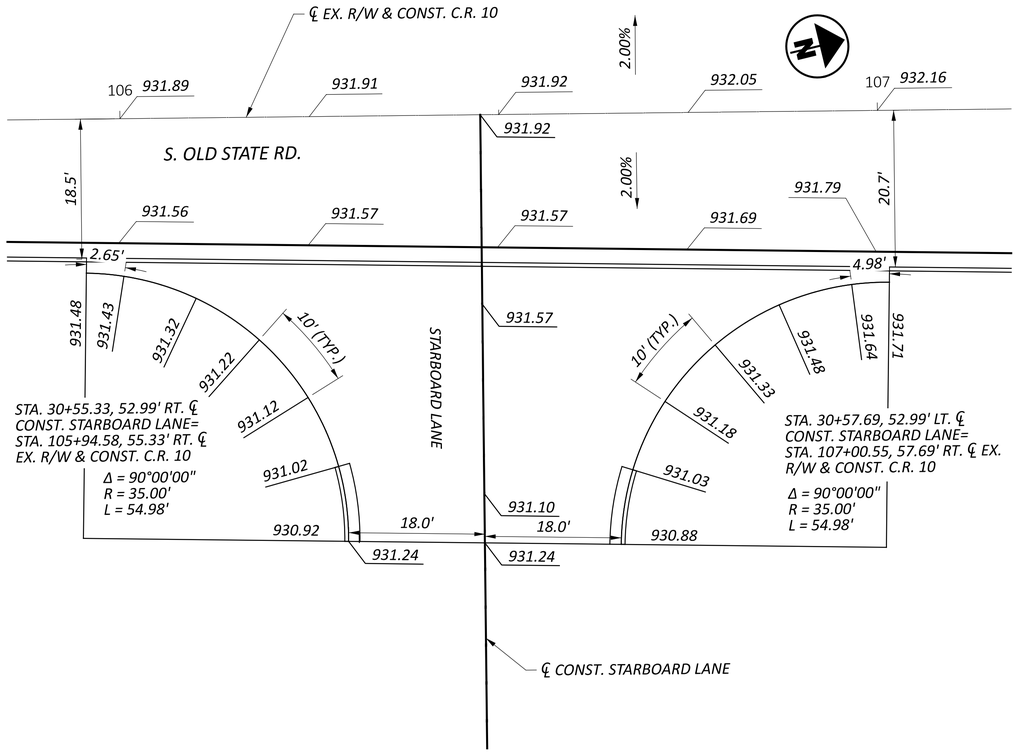
DESIGN AGENCY
HNTB

DESIGNER CJK
REVIEWER KPP 09/17/23
PROJECT ID 1901
SHEET P.96 TOTAL P.157

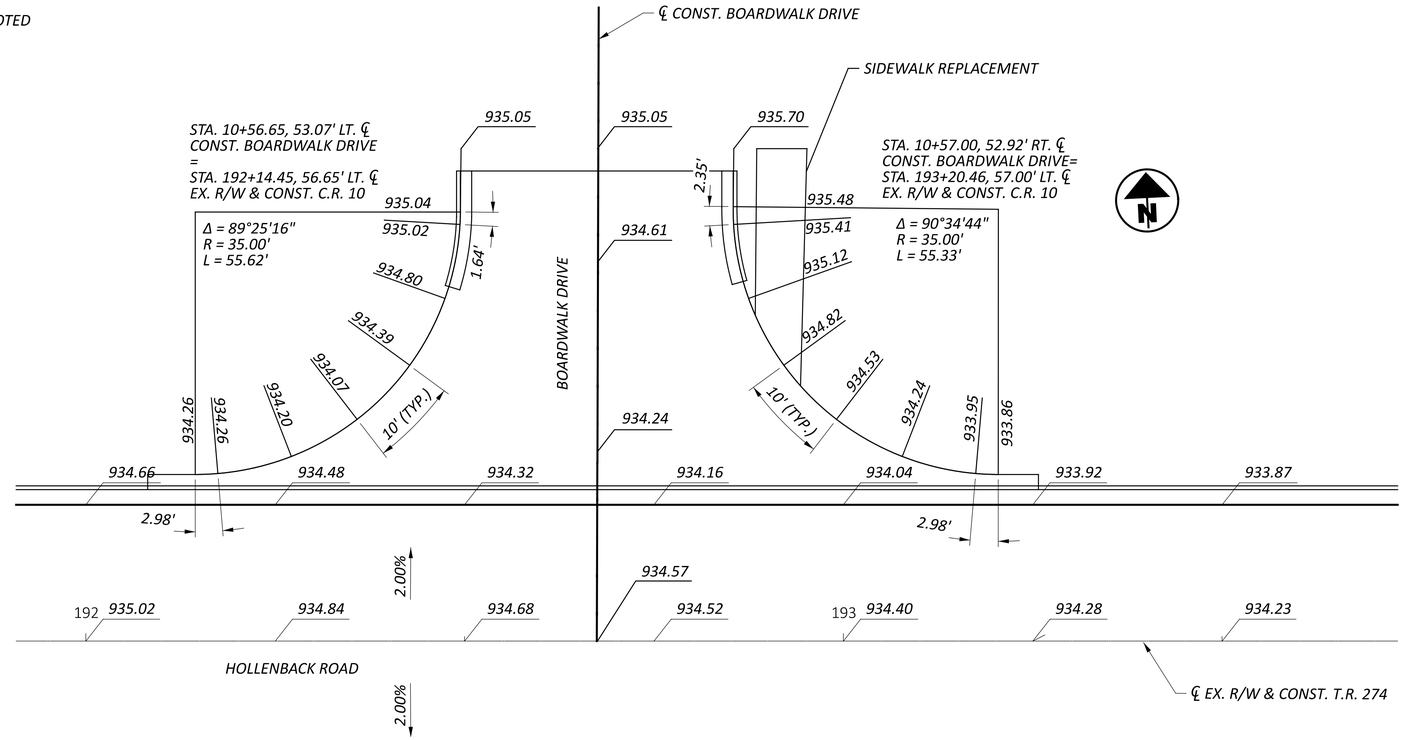
DEL-CR10-5.60

MODEL: IntersectionDetails [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:13:12 AM USER: asingleton
pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Columbus Projects\83630 ODOT\D501 DEL-CR10-5.60\400-Engineering\Roadway\Sheets\1901_GI001.dgn





NOTE: ELEVATIONS ARE AT EVEN 25' INTERVALS UNLESS OTHERWISE NOTED



HORIZONTAL SCALE IN FEET
0 5 10 20

INTERSECTION DETAILS
MARINERS WAY, STARBOARD LANE, BOARDWALK DRIVE

DESIGN AGENCY
HNTB

DESIGNER	HRR
REVIEWER	KKP 10/04/23
PROJECT ID	1901
SHEET	P.97
TOTAL	P.157

DEL-CR10-5.60

MODEL: Unnamed Plan - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:13:13 AM USER: asingleton
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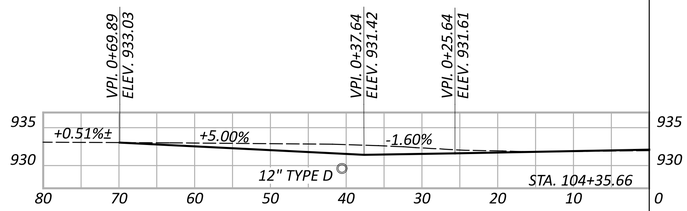
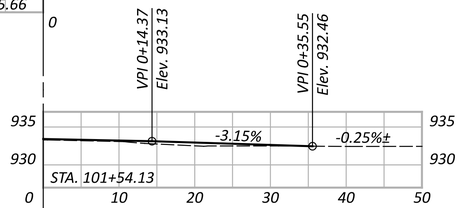
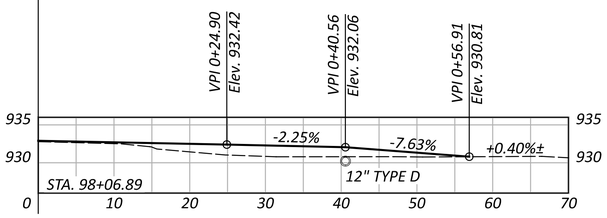
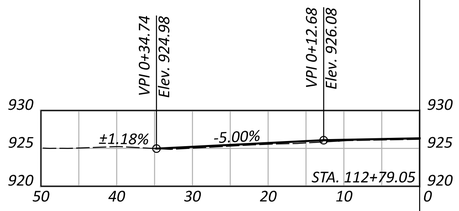
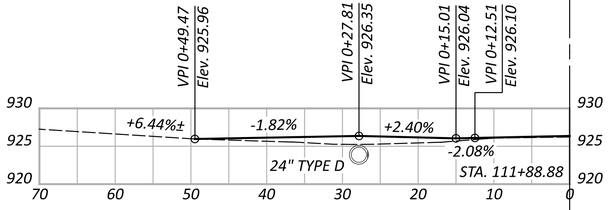
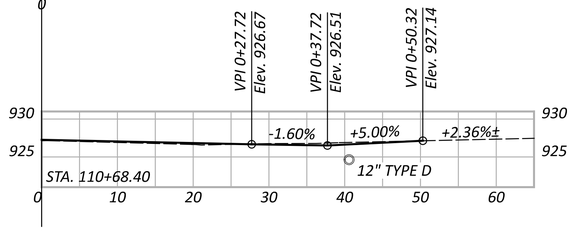


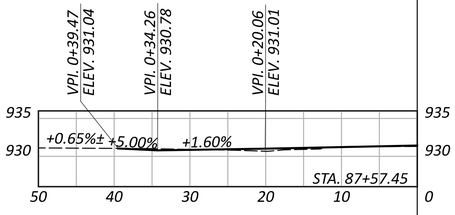


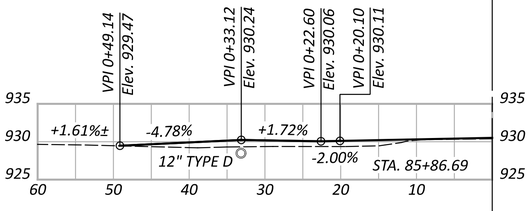


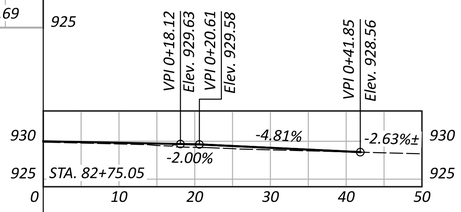


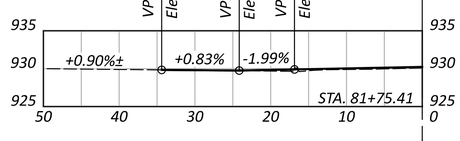


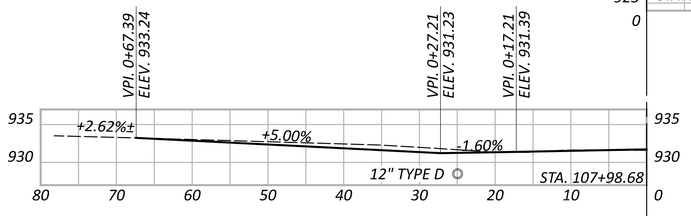


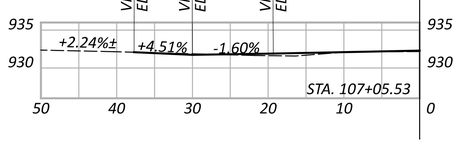


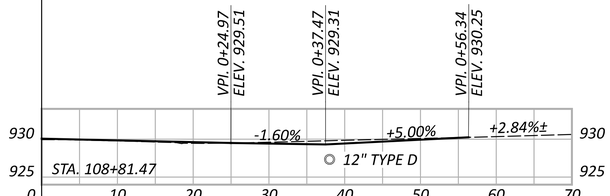












℄ EX. R/W & CONST. C.R. 10 (S. OLD STATE RD.)

℄ EX. R/W & CONST. C.R. 10 (S. OLD STATE RD.)

DEL-CR10-5.60

MODEL: S. OLD STATE ROAD - DRIVES [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:13:31 AM USER: asingleton
pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Columbus Projects\83630 ODOT\DS01 DEL-CR10-5.60\400-Engineering\Roadway\Sheets\1901_GF601.dgn

DRIVE PROFILES
SOUTH OLD STATE ROAD

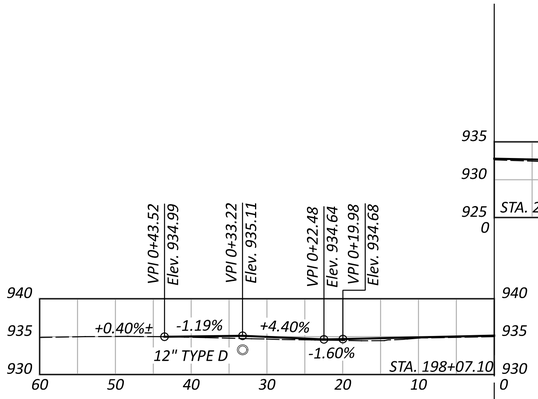
DESIGN AGENCY
HNTB

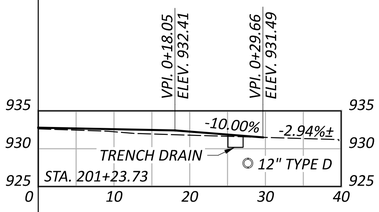
DESIGNER JAB

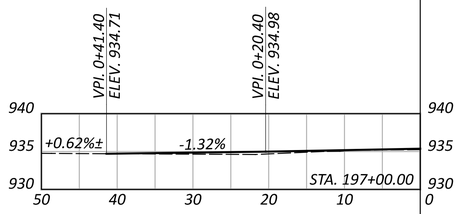
REVIEWER KKP 09/26/23

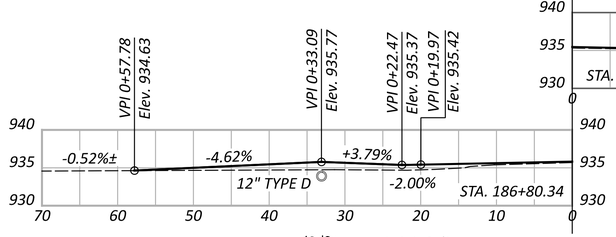
PROJECT ID 1901

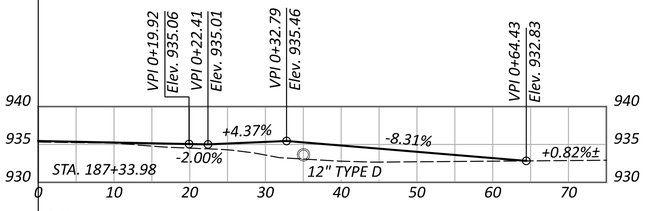
SHEET P.98 | TOTAL P.157

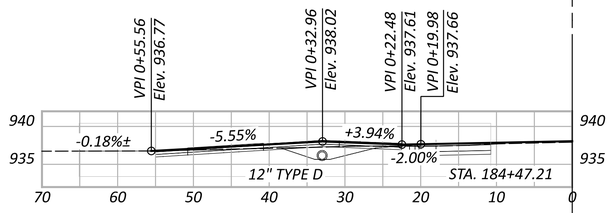


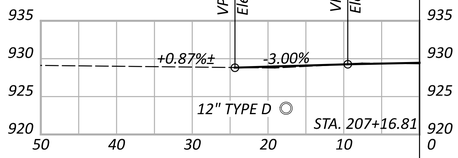


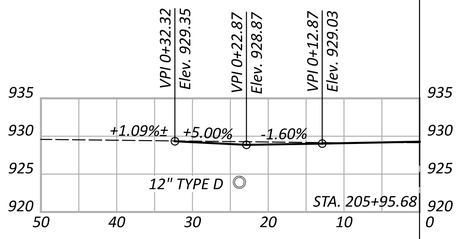


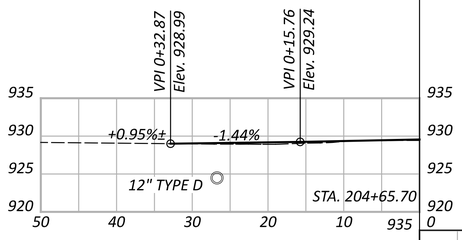


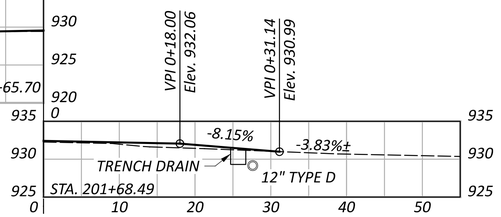












DEL-CR10-5.60

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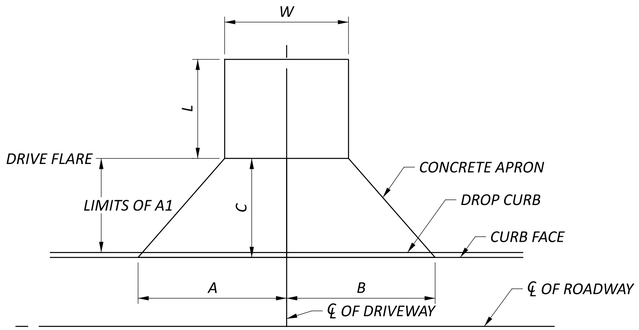
℄ EX. R/W & CONST. T.R. 274 (HOLLENBACK ROAD)

℄ EX. R/W & CONST. T.R. 274 (HOLLENBACK ROAD)

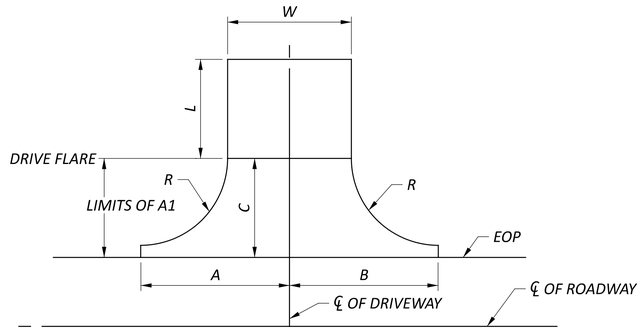
DRIVE PROFILES
HOLLENBACK ROAD

DESIGN AGENCY
HNTB

DESIGNER JAB
REVIEWER KKP 09/26/23
PROJECT ID 1901
SHEET P.99 TOTAL P.157



CURB & GUTTER:
RESIDENTIAL DRIVE PER DCED-R22101A
COMMERCIAL DRIVE PER DCED-R2203A



OPEN DITCH:
RESIDENTIAL DRIVE PER DCED-R2202
COMMERCIAL DRIVE PER DCED-R2203B

RESIDENTIAL DRIVEWAY BUILDUP

CONCRETE:

ITEM 204: SUBGRADE COMPACTION
ITEM 452: 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P-MS

ASPHALT:

ITEM 204: SUBGRADE COMPACTION
ITEM 304: 4" AGGREGATE BASE
ITEM 301: 4" ASPHALT CONCRETE BASE
ITEM 441: 2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (449)

AGGREGATE:

ITEM 204: SUBGRADE COMPACTION
ITEM 411/304: 8" STABILIZED CRUSHED AGGREGATE

DRIVE REF NO.	ROAD	STATION	SIDE	A (LT)	B (RT)	C		L		W	R	DRIVE MATERIAL		CADD GENERATED SURFACE AREA	DRIVE USE - RESIDENTIAL (R) OR COMMERCIAL (C)		202	203	204	204	301	304	411	441
						LT	RT	LT	RT							PAVEMENT REMOVED	PAVEMENT REMOVED	EXCAVATION	EMBANKMENT	SUBGRADE COMPACTION	4" ASPHALT CONCRETE BASE, PG64-22 (449)	4" AGGREGATE BASE	8" STABILIZED CRUSHED AGGREGATE	2" AC SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS)
				FT	FT	FT		FT		FT		EXISTING	PROPOSED	SF		SF	SY	CY	CY	SY	CY	CY	CY	CY
DI-1	S. OLD STATE RD.	81+75	LT	11.0	11.0	6.0	6.0	9.2	9.8	12.0	N/A	ASPHALT	ASPHALT	216.40	R	285	32	6	0	24	3	3		1
DI-2	S. OLD STATE RD.	82+75	RT	11.0	11.0	6.0	6.0	15.2	16.2	12.0	N/A	GRAVEL	GRAVEL	290.93	R	206	23	4	0	32			7	
DI-3	S. OLD STATE RD.	85+87	LT	22.8	19.4	18.6	15.6	10.2	14.3	12.0	15°	DIRT	GRAVEL	511.30	R	0	0	1	8	57			13	
DI-4	S. OLD STATE RD.	87+57	LT	22.4	19.7	17.9	15.9	0.7	4.0	12.0	15°	GRAVEL	GRAVEL	391.10	R	0	0	7	0	43			10	
DI-5	S. OLD STATE RD.	91+71	RT	51.0	51.8	36.9	37.3	0.5	0.0	32.0	35°	CONCRETE	ASPHALT	1872.95	R	1722	191	5	21	208	23	23		12
DI-6	S. OLD STATE RD.	98+07	RT	22.0	20.0	17.9	16.2	13.8	16.2	12.0	15°	GRAVEL	GRAVEL	541.57	R	0	0	2	17	60			13	
DI-7	S. OLD STATE RD.	101+54	RT	27.6	18.3	18.8	14.9	0.0	7.4	15.5	15°	CONCRETE	ASPHALT	481.90	R	308	34	9	2	54	6	6		3
DI-8	S. OLD STATE RD.	104+36	LT	35.5	29.5	25.9	18.8	17.2	26.8	13.9	20°	GRAVEL	GRAVEL	899.67	R	0	0	39	2	100			22	
DI-9	S. OLD STATE RD.	106+48	RT	53.8	52.2	37.0	37.0	0.0	0.0	36.0	35°	ASPHALT	ASPHALT	1967.13	R	2174	242	32	1	219	24	24		12
DI-10	S. OLD STATE RD.	107+05	LT	22.7	19.4	18.5	15.6	0.0	4.1	12.0	15°	GRAVEL	GRAVEL	389.48	R	0	0	6	1	43			10	
DI-11	S. OLD STATE RD.	107+99	LT	22.2	19.9	18.0	16.0	31.7	34.6	12.0	15°	GRAVEL	GRAVEL	761.39	R	0	0	24	0	85			19	
DI-12	S. OLD STATE RD.	108+81	RT	24.0	18.5	19.6	14.8	11.2	17.9	12.0	15°	GRAVEL	GRAVEL	542.77	R	259	29	16	0	60			13	
DI-13	S. OLD STATE RD.	110+68	RT	23.3	19.0	19.0	15.2	2.5	7.9	12.0	15°	ASPHALT	ASPHALT	428.50	R	503	56	12	0	48	5	5		3
DI-14	S. OLD STATE RD.	111+89	LT	21.8	20.3	15.4	15.0	21.4	22.3	9.0	15°	ASPHALT	ASPHALT	562.00	R	556	62	2	9	62	7	7		3
DI-15	S. OLD STATE RD.	112+79	LT	25.2	18.5	18.0	14.8	2.7	8.6	12.9	15°	ASPHALT	ASPHALT	450.83	R	141	16	7	1	50	6	6		3
DI-16	HOLLENBACK RD.	184+47	LT	21.9	27.8	16.5	19.4	19.1	16.3	13.6	20°	ASPHALT	ASPHALT	746.75	R	1049	117	7	6	83	9	9		5
DI-17	HOLLENBACK RD.	186+80	LT	21.1	21.0	14.9	16.3	23.5	21.1	8.4	15°	ASPHALT	ASPHALT	567.15	R	589	65	3	11	63	7	7		4
DI-18	HOLLENBACK RD.	187+34	RT	25.0	25.0	17.0	17.0	27.6	27.6	20.0	15°	GRASS	GRAVEL	1050.87	R	0	0	2	48	117			26	
DI-19	HOLLENBACK RD.	192+68	LT	59.3	58.3	36.0	37.4	6.0	4.7	36.0	35°	ASPHALT	ASPHALT	2157.58	R	2735	304	76	0	240	27	27		13
DI-20	HOLLENBACK RD.	197+00	LT	19.0	27.5	13.6	18.3	8.3	0.0	15.5	15°	GRAVEL	GRAVEL	484.37	R	0	0	7	0	54			12	
DI-21	HOLLENBACK RD.	198+07	LT	18.5	26.2	13.1	19.6	13.2	0.0	12.0	15°	ASPHALT	ASPHALT	479.66	R	352	39	9	2	53	6	6		3
DI-22	HOLLENBACK RD.	201+24	RT	19.9	20.0	6.1	6.1	4.6	2.5	29.6	N/A	ASPHALT	ASPHALT	318.92	R	751	83	3	1	35	4	4		2
DI-23	HOLLENBACK RD.	201+68	RT	14.2	14.0	6.0	6.0	5.3	5.0	18.5	N/A	ASPHALT	ASPHALT	236.46	R	396	44	3	1	26	3	3		1
DI-24	HOLLENBACK RD.	204+66	LT	20.8	21.2	16.9	17.2	0.4	0.0	12.0	15°	ASPHALT	ASPHALT	354.97	R	310	34	7	1	39	4	4		2
DI-25	HOLLENBACK RD.	205+96	LT	20.7	17.6	16.4	15.5	3.0	3.9	18.0	15°	CONCRETE	ASPHALT	467.60	R	426	47	14	0	52	6	6		3
DI-26	HOLLENBACK RD.	207+17	LT	9.0	9.0	6.0	6.0	8.2	8.1	12.0	N/A	GRAVEL	GRAVEL	188.28	R	0	0	4	0	21			5	
TOTALS CARRIED TO GENERAL SUMMARY																12762	1418	307	132	1928	140	140	150	70

DRIVE DETAILS

DESIGN AGENCY
HNTB

DESIGNER HRR
REVIEWER KKP 09/28/23
PROJECT ID 1901
SHEET P.100 TOTAL P.157

DEL-CR10-5.60

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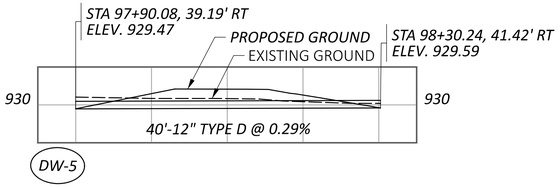

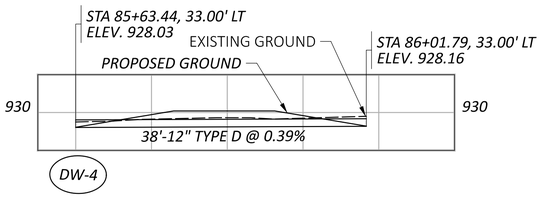

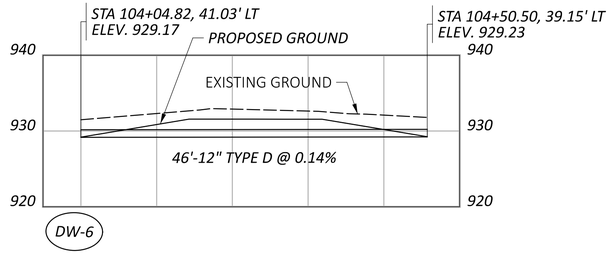

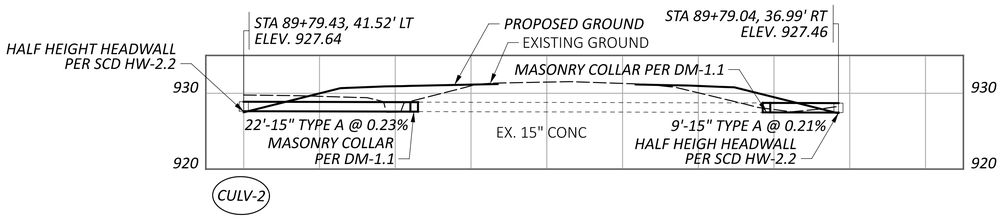

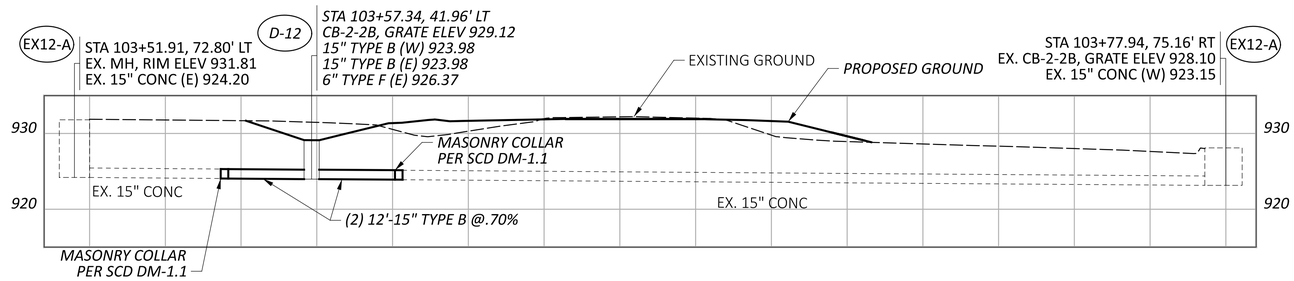

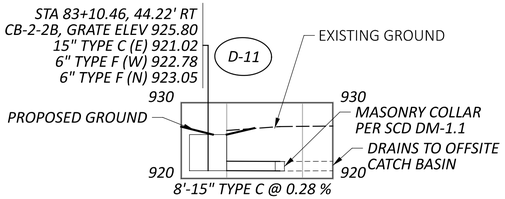

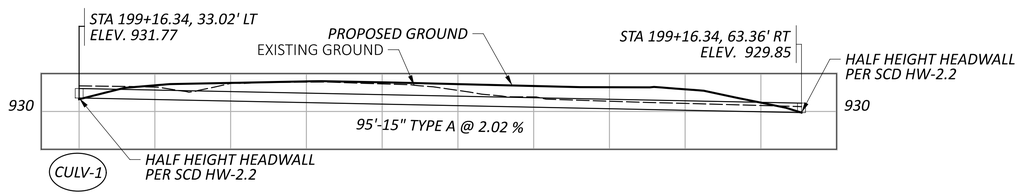

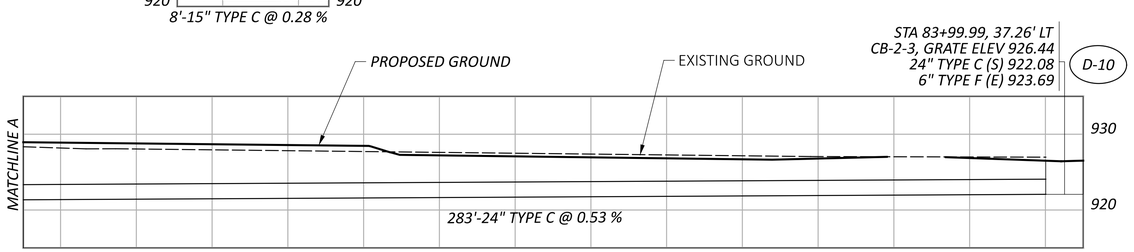

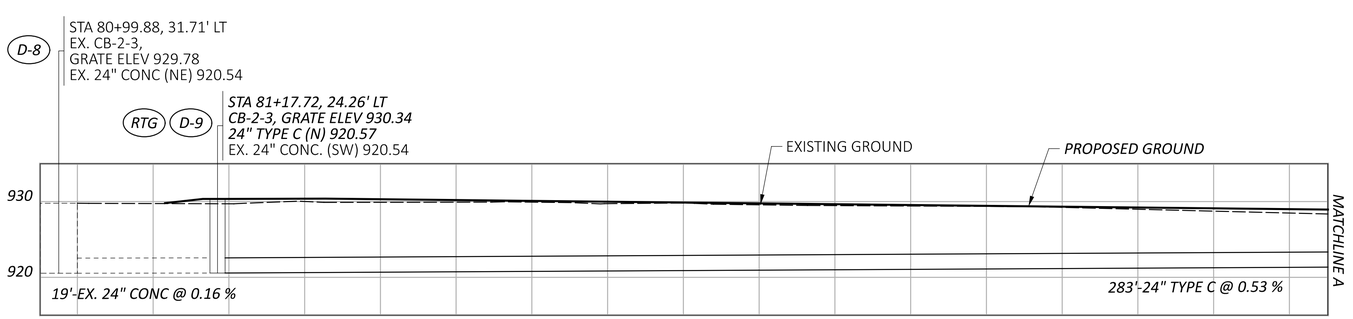

DESIGN AGENCY
HNTB

DESIGNER
CLC

REVIEWER
AS 01/24/25

PROJECT ID
1901

SHEET P.101 TOTAL P.157

DEL-CR10-5.60

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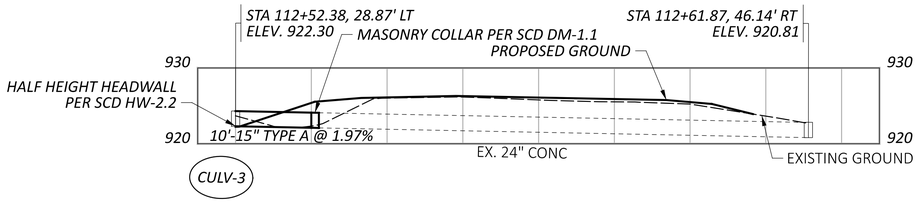

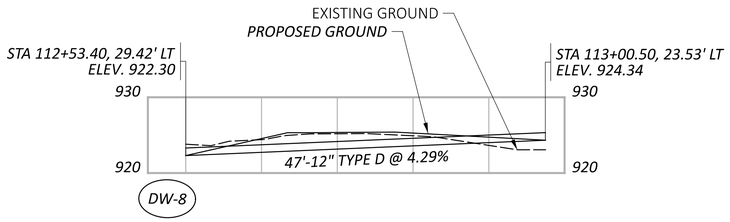

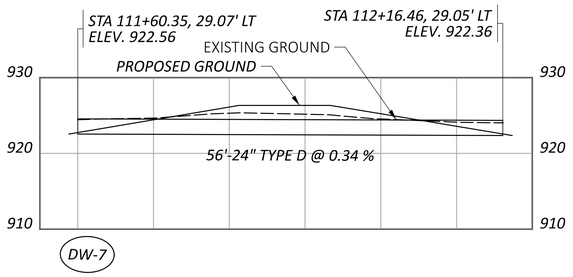

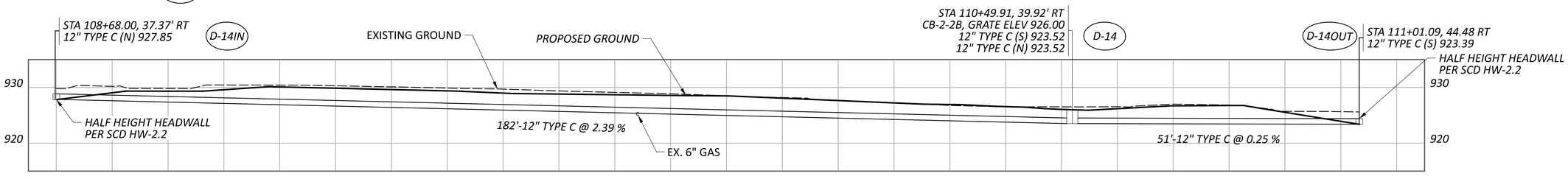

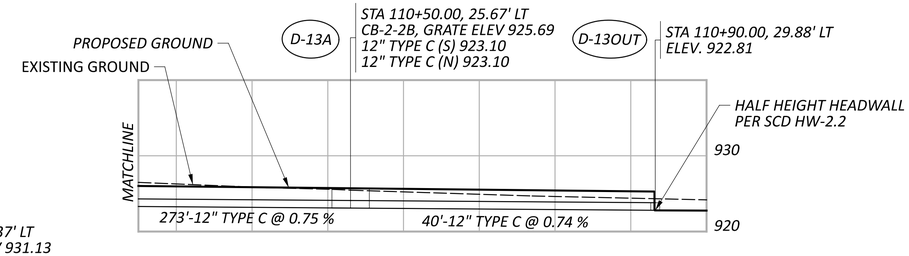

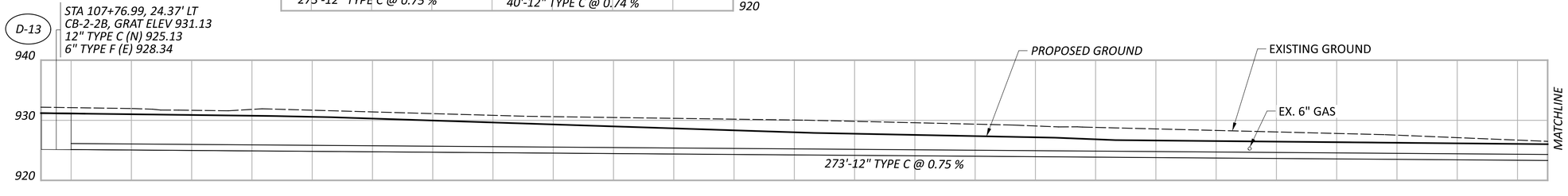

STORM SEWER PROFILES
SOUTH OLD STATE ROAD

DESIGN AGENCY
HNTB

DESIGNER CLC
REVIEWER AS 01/24/25
PROJECT ID 1901
SHEET P.102 TOTAL P.157

DEL-CR10-5.60

MODEL: SHEET2 PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:13:51 AM USER: asingleton
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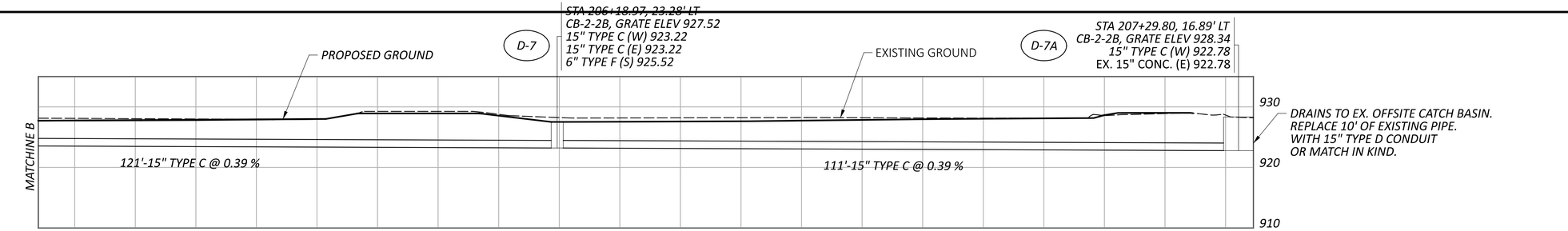

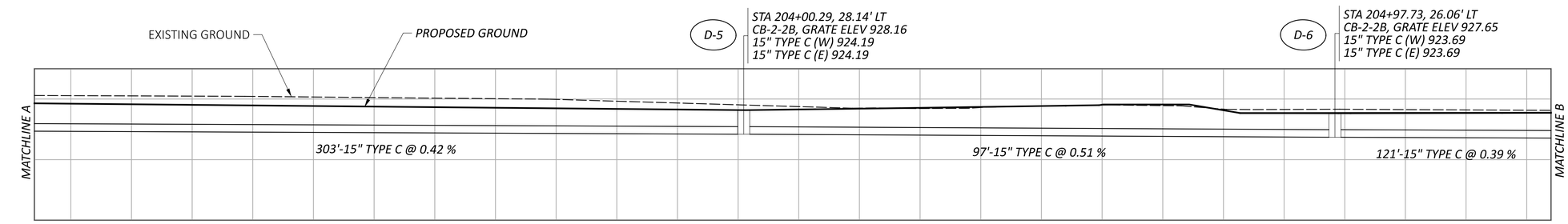

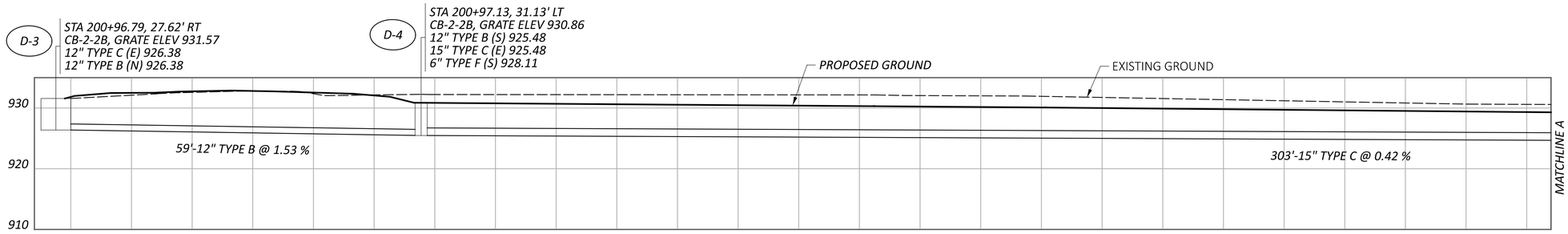

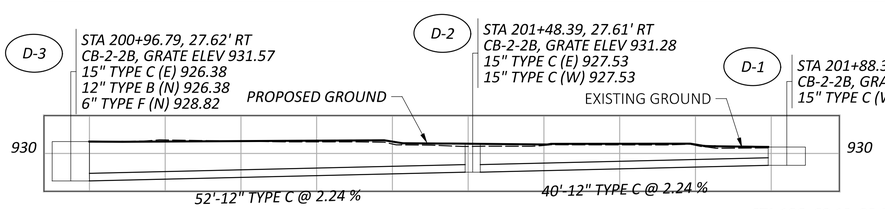

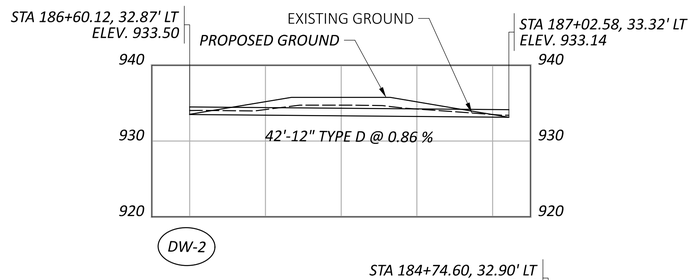

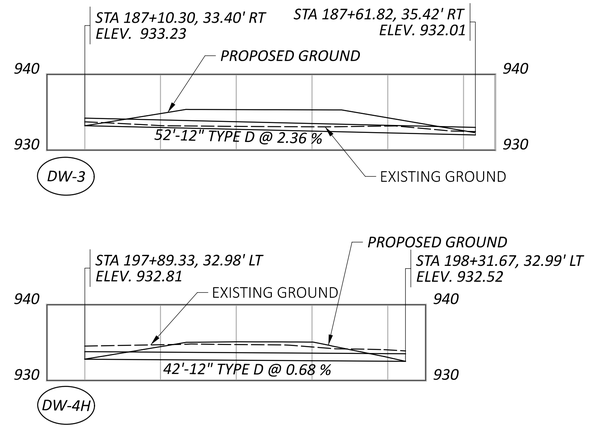

STORM SEWER PROFILES
HOLLENBACK ROAD

DEL-CR10-5.60

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DESIGN AGENCY
HNTB

DESIGNER	CLC
REVIEWER	AS 01/24/25
PROJECT ID	1901
SHEET	P.103
TOTAL	P.157

REF NO.	SHEET NO.	LOCATION	STATION TO STATION			SIDE	644 PAVEMENT MARKING, MISC: EDGE LINE, 5"	644 CENTER LINE, DOUBLE SOLID	644 CENTER LINE, DASHED	644 PAVEMENT MARKING, MISC: CHANNELIZING LINE, 10"	644 TRANSVERSE/DIAGONAL LINE	644 ISLAND MARKING	647 TWO WAY LEFT TURN ARROW	647 LANE ARROW, TYPE B125	647 STOP LINE, TYPE B125
							MILE	MILE	MILE	FT	FT	SF	EACH	EACH	FT
EL-1	P. 107, P.110	S. OLD STATE RD	79+56	TO	117+36	LT	0.72								
EL-2	P. 107, P.110	S. OLD STATE RD	79+69	TO	116+52	RT	0.70								
CLD-1	P. 107	S. OLD STATE RD	80+76	TO	91+25	LT/RT			0.40						
TLA-1	P. 107	S. OLD STATE RD		83+50		LT/RT							1		
TLA-2	P. 108	S. OLD STATE RD		90+50		LT							1		
TL-2	P. 108	S. OLD STATE RD	91+01	TO	91+25	LT					36				
IM-1	P. 108	S. OLD STATE RD		91+25		LT/RT						67			
SL-1	P. 108	S. OLD STATE RD		91+71		RT									16
CH-1	P. 108	S. OLD STATE RD	92+25	TO	93+00	LT				75					
CL-2	P. 108	S. OLD STATE RD	92+25	TO	99+00	LT		0.13							
LA-1	P. 108	S. OLD STATE RD		92+35		LT								1	
LA-2	P. 108	S. OLD STATE RD		92+82		LT								1	
CH-2	P. 108	S. OLD STATE RD	93+50	TO	99+00	LT/RT				1200					
LA-3	P. 108	S. OLD STATE RD		94+12		RT								1	
LA-4	P. 108	S. OLD STATE RD		94+78		LT								1	
LA-5	P. 108	S. OLD STATE RD		95+44		RT								1	
LA-6	P. 108	S. OLD STATE RD		96+10		LT								1	
LA-7	P. 108	S. OLD STATE RD		96+76		RT								1	
LA-8	P. 108	S. OLD STATE RD		97+42		LT								1	
LA-9	P. 108	S. OLD STATE RD		98+08		RT								1	
LA-10	P. 108	S. OLD STATE RD		98+74		LT								1	
SL-2	P. 108	S. OLD STATE RD		99+00		LT									12
LA-11	P. 108	S. OLD STATE RD		99+40		RT								1	
SL-3	P. 108	S. OLD STATE RD		99+50		RT									27
CH-3	P. 109	S. OLD STATE RD	100+50	TO	104+50	LT				401					
SL-4	P. 109	S. OLD STATE RD		100+50		LT									14
CL-3	P. 109	S. OLD STATE RD	101+00	TO	104+50	RT		0.07							
SL-5	P. 109	S. OLD STATE RD		101+00		LT									12
LA-12	P. 109	S. OLD STATE RD		101+10		LT								1	
LA-13	P. 109	S. OLD STATE RD		102+42		LT								1	
LA-14	P. 109	S. OLD STATE RD		103+74		LT								1	
CL-4	P. 109	S. OLD STATE RD	104+50	TO	106+00	LT/RT		0.03							
TL-3	P. 109	S. OLD STATE RD	104+50	TO	106+00	LT/RT					95				
IM-2	P. 109	S. OLD STATE RD		106+00		LT/RT						65			
SL-6	P. 109	S. OLD STATE RD		106+49		RT									17
CH-4	P. 109	S. OLD STATE RD	107+00	TO	108+00	LT				100					
CL-5	P. 109	S. OLD STATE RD	107+00	TO	108+50	RT		0.03							
LA-15	P. 109	S. OLD STATE RD		107+18		LT/RT								1	
LA-16	P. 109	S. OLD STATE RD		107+85		LT/RT								1	
CL-6	P. 109	S. OLD STATE RD	108+00	TO	108+50	LT/RT		0.01							
TL-4	P. 109	S. OLD STATE RD	108+000	TO	108+52	RT					33				
CLD-2	P. 109-P.110	S. OLD STATE RD	108+50	TO	113+20	LT/RT			0.09						
TLA-3	P. 109	S. OLD STATE RD		111+00		RT							1		
LA-28	P.107	S. OLD STATE RD		79+62		LT								1	
LA-29	P.107	S. OLD STATE RD		80+41		LT								1	
CH-8	P.110	S. OLD STATE RD	113+87	TO	116+00	RT				214					
CL-16	P.110	S. OLD STATE RD	113+20	TO	116+00	RT/LT		0.06							
LA-30	P.110	S. OLD STATE RD		114+09		RT								1	
LA-31	P.110	S. OLD STATE RD		114+90		RT								1	
LA-32	P.110	S. OLD STATE RD		115+71		RT								1	
S. OLD STATE RD SUBTOTALS							1.42	0.33	0.49	1990	164	132	3	21	98

REF NO.	SHEET NO.	LOCATION	STATION TO STATION			SIDE	644 PAVEMENT MARKING, MISC: EDGE LINE, 5"	644 CENTER LINE, DOUBLE SOLID YELLOW	644 CENTER LINE, DASHED	644 PAVEMENT MARKING, MISC: CHANNELIZING LINE, 10"	644 TRANSVERSE/DIAGONAL LINE	644 ISLAND MARKING	647 TWO WAY LEFT TURN ARROW	647 LANE ARROW, TYPE B125	647 STOP LINE, TYPE B125
							MILE	MILE	MILE	FT	FT	SF	EACH	EACH	FT
EL-3	P. 111	HOLLENBACK RD.	184+25	TO	207+25	LT	0.44								
EL-4	P. 111	HOLLENBACK RD.	184+25	TO	207+25	RT	0.44								
CL-8	P. 111	HOLLENBACK RD.	184+25	TO	186+95	LT/RT		0.06							
TL-5	P. 111	HOLLENBACK RD.	184+25	TO	186+95	LT/RT					52				
CLD-4	P. 111	HOLLENBACK RD.	186+95	TO	192+25	LT/RT			0.14						
TLA-4	P. 111	HOLLENBACK RD.		188+50		LT/RT							1		
CL-11	P. 112	HOLLENBACK RD.	193+25	TO	198+75	LT		0.11							
CH-5	P. 112	HOLLENBACK RD.	191+00	TO	192+25	RT				125					
LA-17	P. 112	HOLLENBACK RD.		191+18		LT/RT								1	
LA-18	P. 112	HOLLENBACK RD.		192+15		LT/RT								1	
SL-7	P. 112	HOLLENBACK RD.		192+49		LT									18
CL-12	P. 112	HOLLENBACK RD.	193+25	TO	198+75	LT/RT		0.11							
IM-3	P. 112	HOLLENBACK RD.		193+25		LT/RT						66			
TL-7	P. 112	HOLLENBACK RD.	193+26	TO	194+61	LT/RT					111				
CH-6	P. 112	HOLLENBACK RD.	194+75	TO	199+25	RT				900					
LA-19	P. 112	HOLLENBACK RD.		195+19		RT								1	
LA-20	P. 112	HOLLENBACK RD.		195+85		LT/RT								1	
LA-21	P. 112	HOLLENBACK RD.		196+51		LT								1	
LA-22	P. 112	HOLLENBACK RD.		197+17		LT/RT								1	
LA-23	P. 112	HOLLENBACK RD.		197+83		RT								1	
LA-24	P. 112	HOLLENBACK RD.		198+50		LT/RT								1	
SL-8	P. 112	HOLLENBACK RD.		198+75		LT/RT									12
LA-25	P. 112	HOLLENBACK RD.		199+15		RT								1	
SL-9	P. 112	HOLLENBACK RD.		199+25		RT									38
SL-10	P. 112	HOLLENBACK RD.		200+50		RT									23
CH-7	P. 113	HOLLENBACK RD.	200+50	TO	202+25	LT				175					
SL-11	P. 112	HOLLENBACK RD.		201+00		LT									12
LA-26	P. 113	HOLLENBACK RD.		201+10		LT/RT								1	
LA-27	P. 113	HOLLENBACK RD.		201+76		LT/RT								1	
CL-14	P. 113	HOLLENBACK RD.	202+25	TO	205+45	LT/RT		0.1							
TL-8	P. 113	HOLLENBACK RD.	202+38	TO	205+10	LT/RT					88				
CL-13	P. 113	HOLLENBACK RD.	200+50	TO	207+30	RT		0.13							
CL-14	P. 113	HOLLENBACK RD.	202+25	TO	207+30	LT/RT		0.10							
HOLLENBACK RD. SUBTOTALS							0.88	0.61	0.14	1200.0	251.00	66.00	1.00	11.00	103.00
S. OLD STATE RD SUBTOTALS							1.42	0.33	0.49	1990	164	132	3	21	98
TOTALS CARRIED TO GENERAL SUMMARY							2.30	0.94	0.63	3190	415	198	4	32	201

PAVEMENT MARKING

DEL-CR10-5.60

MODEL: Unnamed Plan - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:16:54 AM USER: cmiller
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DESIGN AGENCY
HNTB

DESIGNER
JEM

REVIEWER
ASEP 01/13/25

PROJECT ID
1901

REF NO.	SHEET NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)	630 GROUND MOUNTED SUPPORT, NO. 3 POST FT	630 GROUND MOUNTED STRUCTURAL BEAM SUPPORT, S4X7.7 FT	630 STREET NAME SIGN SUPPORT, NO. 3 POST FT	630 BREAKAWAY STRUCTURAL BEAM CONNECTION EACH	630 SIGN, FLAT SHEET SF	630 SIGN, GROUND MOUNTED EXTRUSHEET SF	630 SIGN, DOUBLE FACED, STREET NAME EACH	630 GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION EACH	630 REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL EACH	630 REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL EACH
R-1	107	S. OLD STATE RD	81+13.00	LT											1	1
R-2	107	S. OLD STATE RD	82+00.00	LT											3	1
R-3	107	S. OLD STATE RD	82+92.00	LT											2	1
R-4	107	S. OLD STATE RD	83+06.00	RT											2	1
R-5	108	S. OLD STATE RD	88+40.00	RT											2	1
R-6	108	S. OLD STATE RD	91+93.00	RT											1	1
R-7	108	S. OLD STATE RD	94+95.00	LT											2	1
R-8	108	S. OLD STATE RD	96+27.00	RT											1	1
R-9	108	S. OLD STATE RD	98+27.00	RT											8	2
R-10	108	S. OLD STATE RD	99+61.00	RT											2	1
R-11	109	S. OLD STATE RD	100+33.00	LT											2	1
R-12	109	S. OLD STATE RD	103+37.00	LT											7	2
R-13	109	S. OLD STATE RD	105+19.00	LT											1	1
R-14	109	S. OLD STATE RD	106+71.00	RT											1	1
R-15	109	S. OLD STATE RD	112+17.00	RT											2	1
R-17	112	HOLLENBACK RD	190+44.00	RT											1	1
R-18	112	HOLLENBACK RD	193+00.00	LT											2	1
R-19	112	HOLLENBACK RD	193+32.00	LT											1	1
R-20	112	HOLLENBACK RD	196+99.00	RT											7	2
R-21	112	HOLLENBACK RD	199+61.00	RT											4	1
R-22	112	HOLLENBACK RD	200+52.00	LT											2	1
R-23	113	HOLLENBACK RD	203+62.00	LT											2	2
R-24	113	HOLLENBACK RD	204+19.00	LT											1	1
R-25	113	HOLLENBACK RD	204+33.00	RT											2	1
R-26	113	S. OLD STATE RD	91+45.00	RT											2	1
R-27	114	S. OLD STATE RD	106+22.00	LT											2	1
S-1	107	S. OLD STATE RD	81+25.00	LT	R3-H8bh-36	36 x 30	13.0				7.5					
S-2	107	S. OLD STATE RD	81+25.00	RT	R3-9cP-24	24 x 6	10.00				1.0					
					R3-9b-24	24 x 36					6.0					
S-3	107	S. OLD STATE RD	82+00.00	LT	W2-1-36	36 x 36	28.5				9.0					
					W16-H8P-44	44 x 9					2.8					
					W16-H8P-37	37 x 9					2.4					
S-4	107	S. OLD STATE RD	83+06.00	RT	I-H3b-48	48 x 24	26.5				8.0					
					I-H3b-48	48 x 24					8.0					
S-5	107	S. OLD STATE RD	82+91.00	LT	I-H3b-48	48 x 24	26.5				8.0					
					I-H3b-48	48 x 24					8.0					
S-6	108	S. OLD STATE RD	88+40.00	RT	W2-2R-36	36 x 36	27.50				9.0					
					W16-H8P-48	40 x 9					2.5					
S-7	108	S. OLD STATE RD	91+24.00	RT	R3-9dP-24	24 x 6	13.0				1.0					
					R3-9b-24	24 x 36					6.0					
S-8	108	S. OLD STATE RD	91+24.00	LT	R3-9cP-24	24 x 6	13.0				1.0					
					R3-9b-24	24 x 36					6.0					
S-9	108	S. OLD STATE RD	92+00.00	RT	R1-1-36	36 x 36					9.0					
	108				D3-H6b-48	48 x 12			13.5		4		1			
	108				D3-H6b-48	52 x 12					4.4		1			
S-10	108	S. OLD STATE RD	93+50.00	LT	R3-H8ba-30	36 x 30	13.00				7.5					
S-11	108	S. OLD STATE RD	93+00.00	RT	R3-H8b-48	48 x 30	25.5				10.0					
S-12	108	S. OLD STATE RD	94+95.00	LT	W2-2L-36	36 x 36	26.50				9.0					
					W16-H8P-40	40 x 9					2.5					
S-13	108	S. OLD STATE RD	97+40.00	RT	D7-H1b-48	48 x 16		37.90		2		5.4		2		
					D7-H1-48	48 x 8						2.7				
					D7-H1-48	48 x 8						2.7				
					D7-H1-48	48 x 8						2.7				
					D7-H1-48	48 x 8						2.7				
					D7-H1-48	48 x 8						2.7				
					D7-H1-48	48 x 8						2.7				
					D7-H1-48	48 x 8						2.7				
S-14	109	S. OLD STATE RD	103+00.00	RT	W2-2R-36	36 x 36	26.50				9.0					
					W16-H8P-37	37 x 9					2.4					
TOTALS CARRIED TO SIGNING SUBSUMMARY SHEET 106							249.5	37.9	13.5	2	144.0	25.0	2	2	63	30

SIGNING

DEL-CR10-5.60

MODEL: Unnamed Plan - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/10/2025 TIME: 9:59:10 AM USER: cmiller
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DESIGN AGENCY
HNTB

DESIGNER
JEM

REVIEWER
SM 01/24/25

PROJECT ID
1901

SHEET P.105 TOTAL P.157

REF NO.	SHEET NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)	630 GROUND MOUNTED SUPPORT, NO. 3 POST FT	630 GROUND MOUNTED STRUCTURAL BEAM SUPPORT, S4X7.7 FT	630 STREET NAME SIGN SUPPORT, NO. 3 POST FT	630 BREAKAWAY STRUCTURAL BEAM CONNECTION EACH	630 SIGN, FLAT SHEET SF	630 SIGN, GROUND MOUNTED EXTRUSHEET SF	630 SIGN, DOUBLE FACED, STREET NAME EACH	630 GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION EACH	630 REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL EACH	630 REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL EACH
S-15	109	S. OLD STATE RD	103+36.00	LT	D7-H1b-48	48 x 16		36.8		2		5.4		2		
					D7-H1-48	48 x 8						2.7				
					D7-H1-48	48 x 8						2.7				
					D7-H1-48	48 x 8						2.7				
					D7-H1-48	48 x 8						2.7				
					D7-H1-48	48 x 8						2.7				
					D7-H1-48	48 x 8						2.7				
S-16	109	S. OLD STATE RD	105+00.00	LT	R3-H8bh-36	36 x 30	13.0				7.5					
S-18	109	S. OLD STATE RD	106+80.24	RT	R1-1-36	36 x 36			12.50		9.0					
					D3-H6b-48	48 x 12					4.0		1			
					D3-H6b-48	48 x 12					4.0		1			
S-19	109	S. OLD STATE RD	108+50.00	RT	R3-9cP-24	24 x 6	13.0				1.0					
					R3-9b-24	24 x 36					6.0					
S-20	109	S. OLD STATE RD	108+50.00	LT	R3-H8ba-30	30 x 30	12.0				6.3					
S-21	109	S. OLD STATE RD	110+00.00	LT	W2-2L-36	36 x 36	20.5				9.0					
					W16-H8P-37	37 x 9					2.4					
S-22	109	S. OLD STATE RD	112+16.00	RT	W2-2R-36	36 x 36	22.0				9.0					
					W16-H8P-42	42 x 9					2.7					
S-24	111	HOLLENBACK RD	187+00.00	RT	R3-9cP-24	24 x 6	13.0				1.0					
					R3-9b-24	24 x 36					6.0					
S-25	111	HOLLENBACK RD	187+17.00	LT	R3-9dP-24	24 x 6	13.0				1.0					
					R3-9b-24	24 x 36					6.0					
S-26	112	HOLLENBACK RD	189+00.00	RT	W2-2L-36	36 x 36	22.0				9.0					
					W16-H8P-48	38 x 9					2.4					
S-27	112	HOLLENBACK RD	190+50.00	RT	R3-H8ba-30	30 x 30	12.0				6.3					
S-28	112	HOLLENBACK RD	190+50.00	LT	R3-9cP-24	24 x 6	13.0				1.0					
					R3-9b-24	24 x 36					6.0					
S-29	112	HOLLENBACK RD	192+04.00	LT	W1-4L-36	36 x 36	11.5				9.0					
S-30	112	HOLLENBACK RD	193+11.00	LT	R1-1-36	36 x 36			13.50		9.0					
					D3-H6B-48	48 x 12					4.0		1			
					D3-H6-48	48 x 12					4.0		1			
S-33	112	HOLLENBACK RD	194+75.00	RT	R3-H8b-48	48 x 30	25.5				10.0					
S-34	112	HOLLENBACK RD	196+00.00	LT	W2-2R-36	36 x 36	22.0				9.0					
					W16-H8P-38	38 x 9					2.4					
S-35	112	HOLLENBACK RD	197+00.00	RT	D7-H1b-48	48 x 16		39.1		2		5.4		2		
		HOLLENBACK RD		RT	D7-H1-48	48 x 8						2.7				
		HOLLENBACK RD		RT	D7-H1-48	48 x 8						2.7				
		HOLLENBACK RD		RT	D7-H1-48	48 x 8						2.7				
		HOLLENBACK RD		RT	D7-H1-48	48 x 8						2.7				
		HOLLENBACK RD		RT	D7-H1-48	48 x 8						2.7				
		HOLLENBACK RD		RT	D7-H1-48	48 x 8						2.7				
		HOLLENBACK RD		RT	D7-H1-48	48 x 8						2.7				
S-36	113	HOLLENBACK RD	202+25.00	LT	R3-H8bh-36	36 x 30	13.5				7.5					
S-37	113	HOLLENBACK RD	203+62.00	LT	D7-H1b	48 x 16					5.4					
					D7-H1-48	48 x 8	24.8				2.7					
					D7-H1-48	48 x 8					2.7					
S-39	113	HOLLENBACK RD	204+19.00	RT	R2-1-30	30 x 36	14.0				7.5					
TOTALS FROM SIGNING SUBSUMMARY SHEET 105							249.5	37.9	13.5	2	144.0	25.0	2	2	63	30
TOTALS CARRIED TO GENERAL SUMMARY							514.3	77.0	39.5	6	316.8	70.9	6	6	63	30

SIGNING

DESIGN AGENCY
HNTB

DESIGNER
JEM

REVIEWER
SM 01/24/25

PROJECT ID
1901

SHEET P.106 TOTAL P.157

DEL-CR10-5.60

MODEL: Unnamed Plan-1 - Plan 2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/10/2025 TIME: 9:59:25 AM USER: cmiller
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ITEM 646	DELAWARE COUNTY LINE SPECIFICATIONS
EL	MISC.: EDGE LINE, 5", WHITE
CH	MISC.: CHANNELIZING LINE, 10"
SL	STOP LINE, 24"
TL	TRANSVERSE LINE, YELLOW
CL	CENTERLINE, DOUBLE SOLID, YELLOW, 5"
CLD	CENTERLINE, DASHED SOLID, YELLOW, 5"
LA	LANE ARROW
TLA	TWO WAY LEFT TURN ARROW
IM	ISLAND MARKING
OM	ONLY MARKING

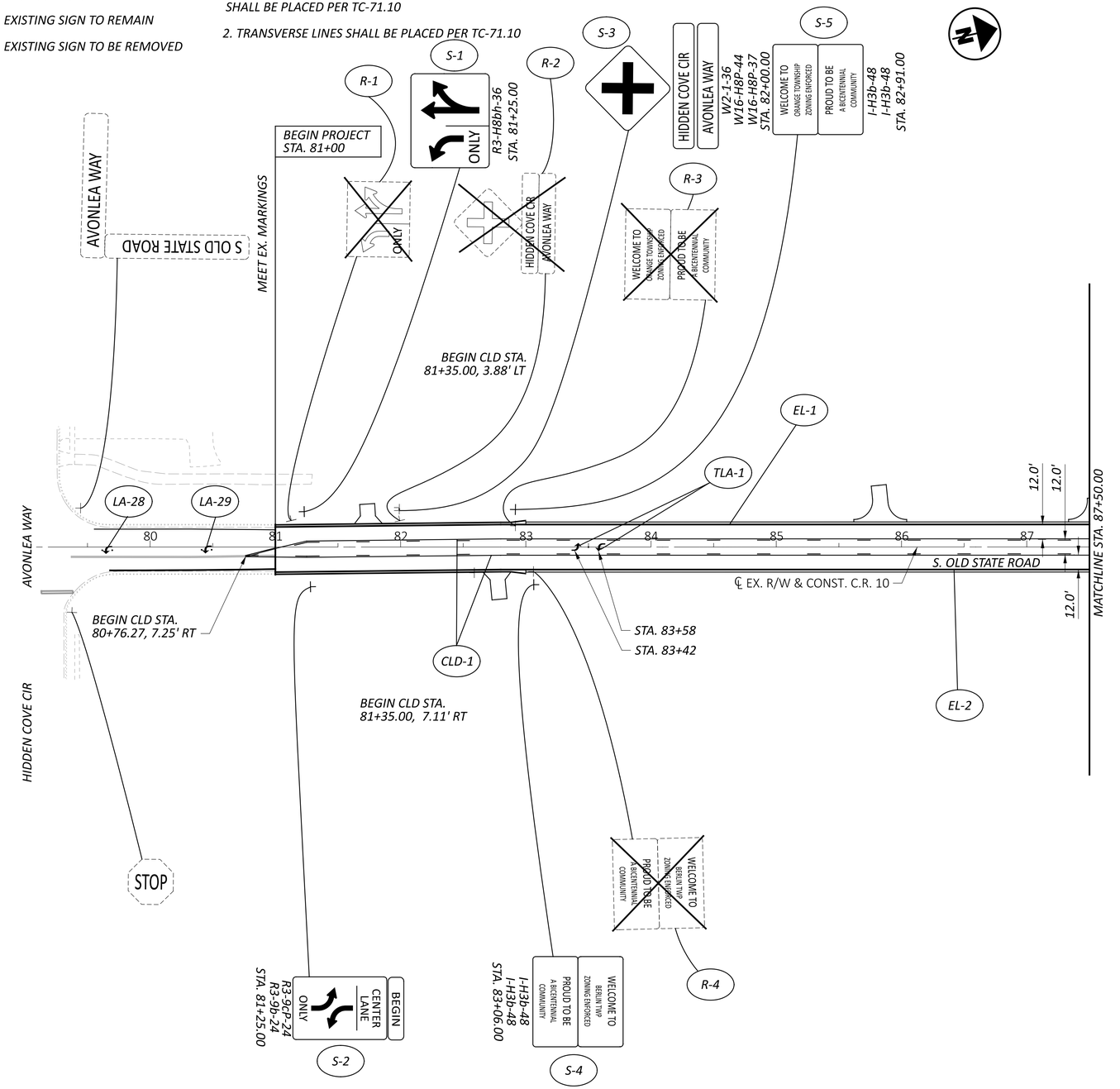
LEGEND

- *PROPOSED SIGN*
- *EXISTING SIGN TO REMAIN*
- *EXISTING SIGN TO BE REMOVED*

NOTE:

1. LANE ARROWS AND TWO WAY LEFT TURN ARROWS SHALL BE PLACED PER TC-71.10

2. TRANSVERSE LINES SHALL BE PLACED PER TC-71.10



HORIZONTAL SCALE IN FEET
0 25 50 100

TRAFFIC CONTROL - S. OLD STATE ROAD
BEGIN WORK TO STA. 87+50.00

DESIGN AGENCY
HNTB

DESIGNER	JAB
REVIEWER	MD 08/01/24
PROJECT ID	1901
SHEET	P.107
TOTAL	P.157

DEL-CR10-5.60

MODEL: RW1 - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:17:06 AM USER: crmiller
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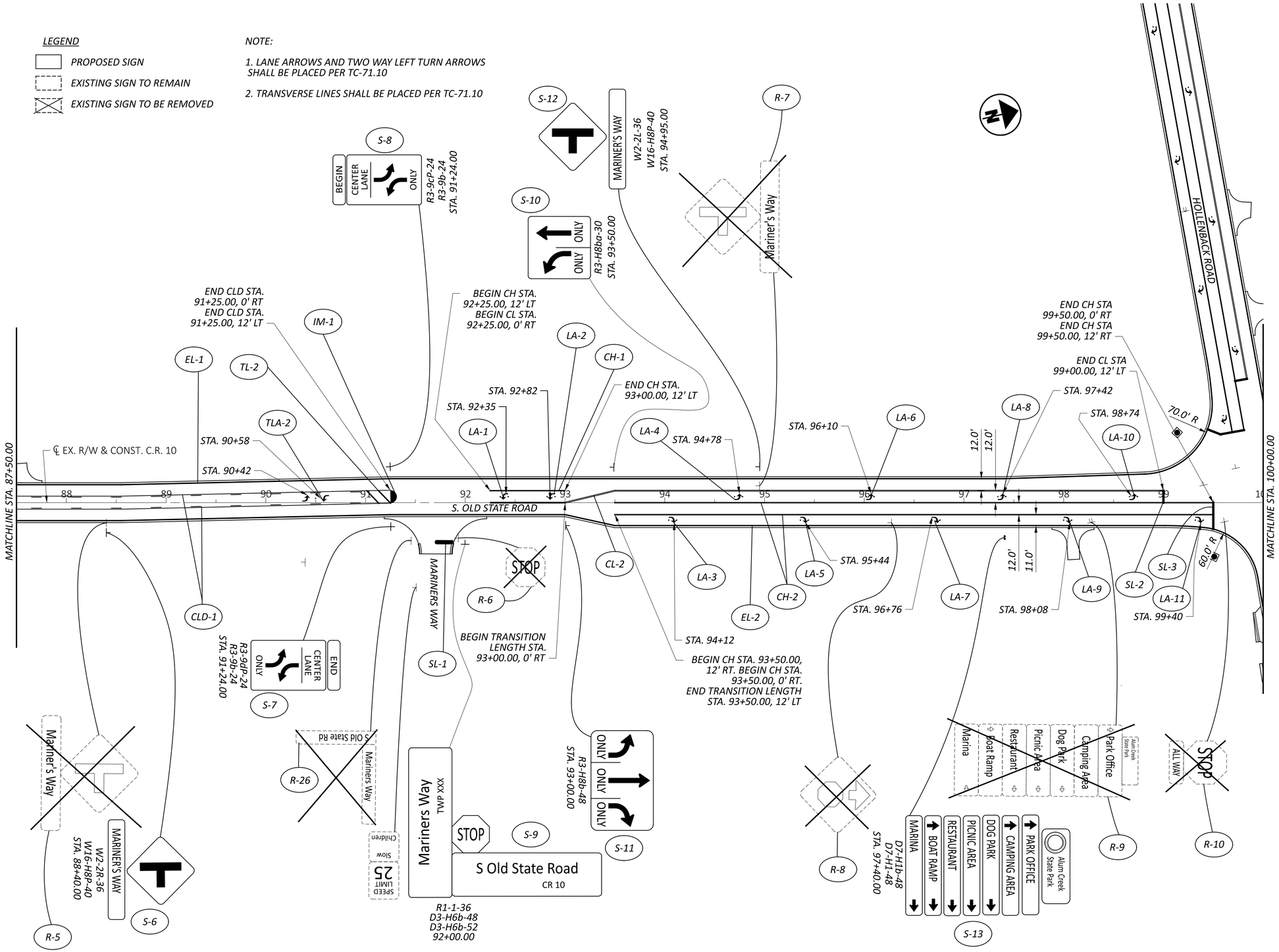
LEGEND

- PROPOSED SIGN
- EXISTING SIGN TO REMAIN
- EXISTING SIGN TO BE REMOVED

NOTE:

1. LANE ARROWS AND TWO WAY LEFT TURN ARROWS SHALL BE PLACED PER TC-71.10
2. TRANSVERSE LINES SHALL BE PLACED PER TC-71.10



HORIZONTAL SCALE IN FEET
0 25 50 100

TRAFFIC CONTROL - S. OLD STATE ROAD
STA. 87+50.00 TO STA. 100+00.00

DESIGN AGENCY
HNTB

DESIGNER JAB
REVIEWER MD 08/01/24
PROJECT ID 1901
SHEET P.108 TOTAL P.157

DEL-CR10-5.60

MODEL: RW1 - Plan 2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:17:11 AM USER: crmiller
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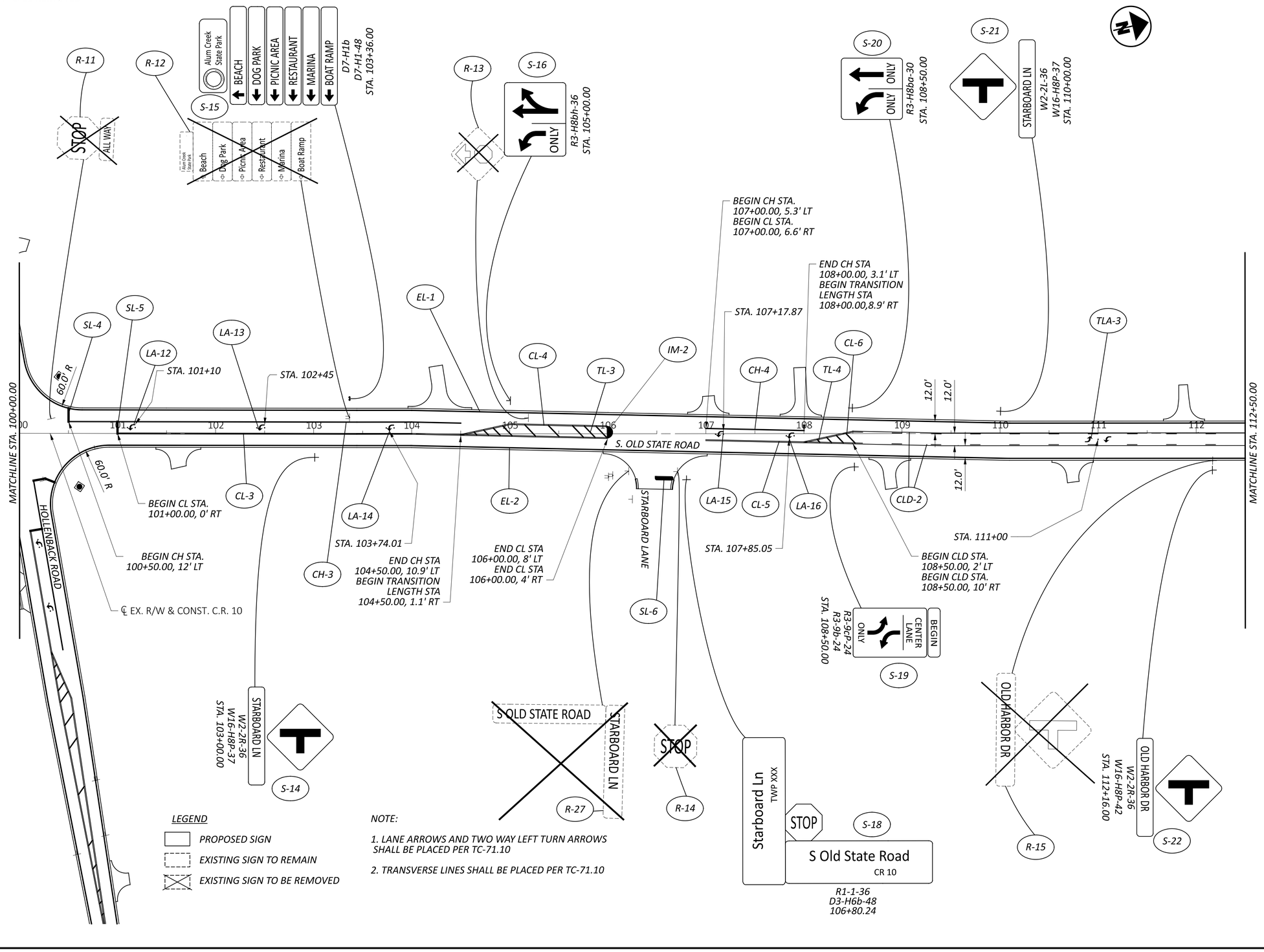
LEGEND

- *PROPOSED SIGN*
- *EXISTING SIGN TO REMAIN*
- *EXISTING SIGN TO BE REMOVED*

NOTE:

1. LANE ARROWS AND TWO WAY LEFT TURN ARROWS SHALL BE PLACED PER TC-71.10

2. TRANSVERSE LINES SHALL BE PLACED PER TC-71.10



HORIZONTAL SCALE IN FEET
0 25 50 100

TRAFIC CONTROL - S. OLD STATE ROAD
STA. 100+00.00 TO STA. 112+50.00

DESIGN AGENCY
HNTB

DESIGNER JAB
REVIEWER MD 08/01/24
PROJECT ID 1901
SHEET P.109 TOTAL P.157

DEL-CR10-5.60

MODEL: RW1 - Plan 3 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/10/2025 TIME: 10:07:01 AM USER: crmiller
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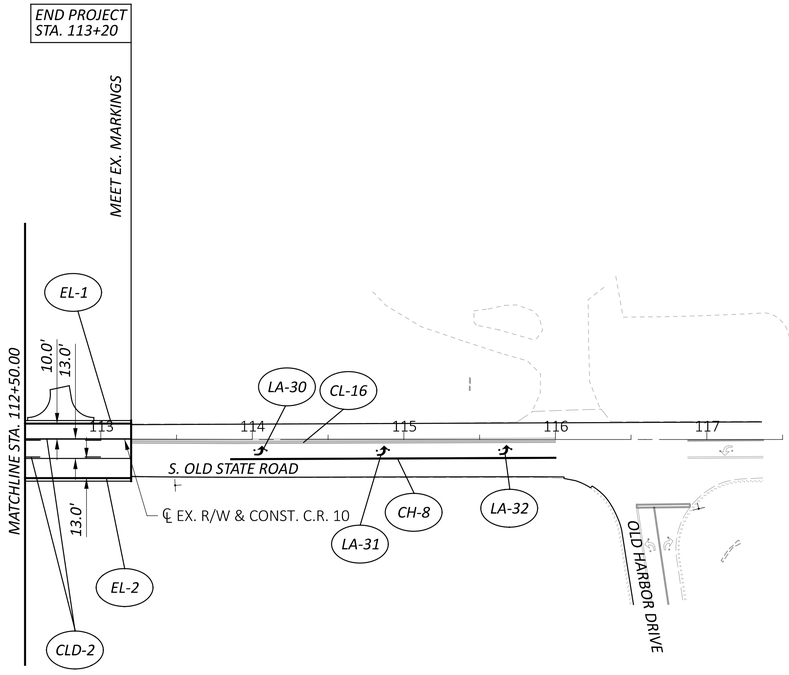
LEGEND

- *PROPOSED SIGN*
- *EXISTING SIGN TO REMAIN*
- *EXISTING SIGN TO BE REMOVED*

NOTE:

1. LANE ARROWS AND TWO WAY LEFT TURN ARROWS SHALL BE PLACED PER TC-71.10

2. TRANSVERSE LINES SHALL BE PLACED PER TC-71.10



HORIZONTAL SCALE IN FEET
0 25 50 100

TRAFFIC CONTROL - S. OLD STATE ROAD STA. 112+50.00 TO END WORK

DESIGN AGENCY
HNTB

DESIGNER JAB
REVIEWER MD 08/01/24
PROJECT ID 1901
SHEET P.110 TOTAL P.157

DEL-CR10-5.60

MODEL: RW1 - Plan 4 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:17:12 AM USER: crmiller
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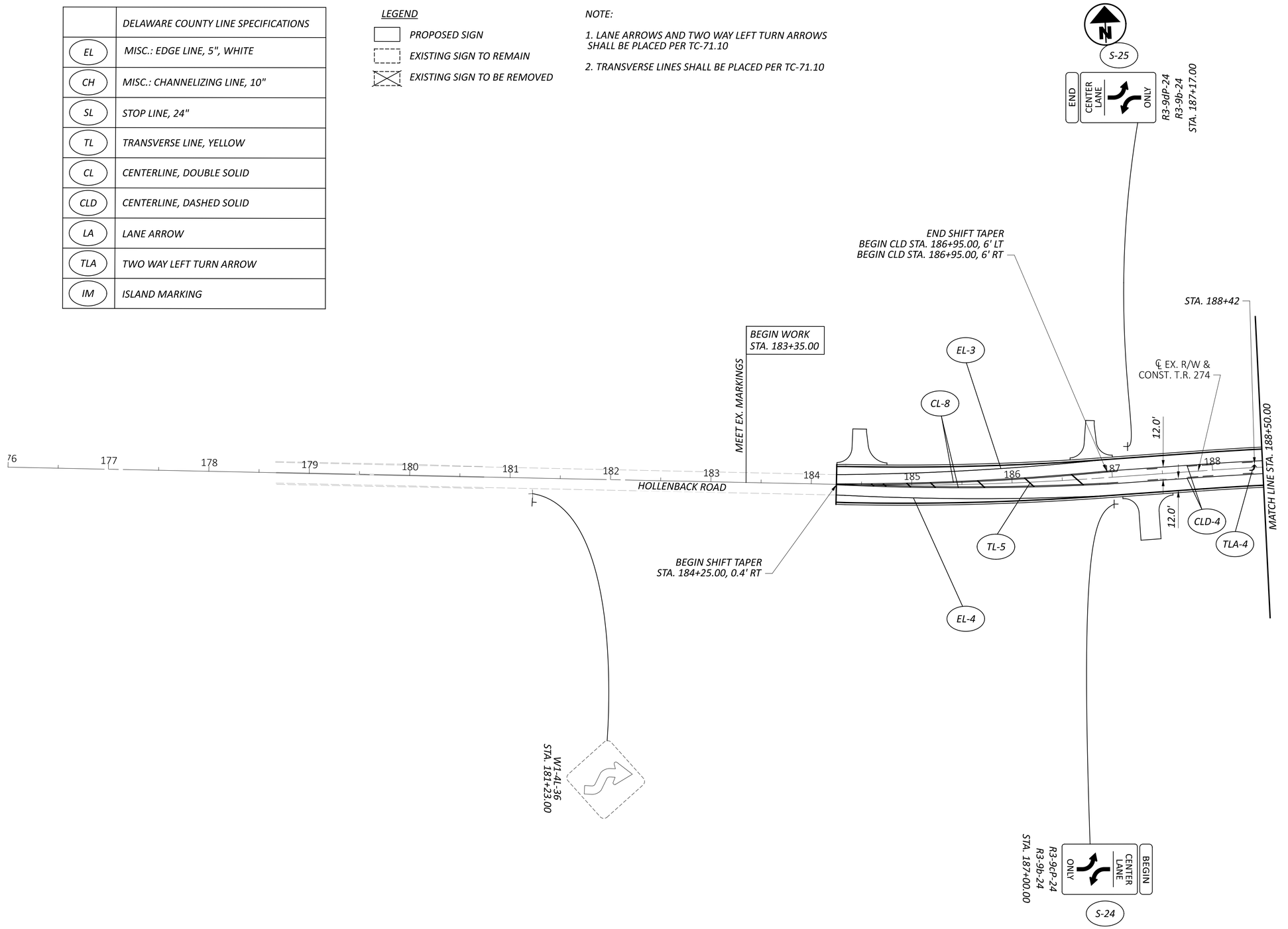
	DELAWARE COUNTY LINE SPECIFICATIONS
EL	MISC.: EDGE LINE, 5", WHITE
CH	MISC.: CHANNELIZING LINE, 10"
SL	STOP LINE, 24"
TL	TRANSVERSE LINE, YELLOW
CL	CENTERLINE, DOUBLE SOLID
CLD	CENTERLINE, DASHED SOLID
LA	LANE ARROW
TLA	TWO WAY LEFT TURN ARROW
IM	ISLAND MARKING

LEGEND

- PROPOSED SIGN
- EXISTING SIGN TO REMAIN
- EXISTING SIGN TO BE REMOVED

NOTE:

1. LANE ARROWS AND TWO WAY LEFT TURN ARROWS SHALL BE PLACED PER TC-71.10
2. TRANSVERSE LINES SHALL BE PLACED PER TC-71.10



HORIZONTAL SCALE IN FEET
0 25 50 100

TRAFFIC CONTROL - HOLLENBACK ROAD
BEGIN WORK TO STA. 188+50.00

DESIGN AGENCY
HNTB

DESIGNER JAB
REVIEWER MD 08/01/24
PROJECT ID 1901
SHEET P.111 TOTAL P.157

DEL-CR10-5.60

MODEL: RW1 - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:17:17 AM USER: crmiller
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LEGEND

PROPOSED SIGN

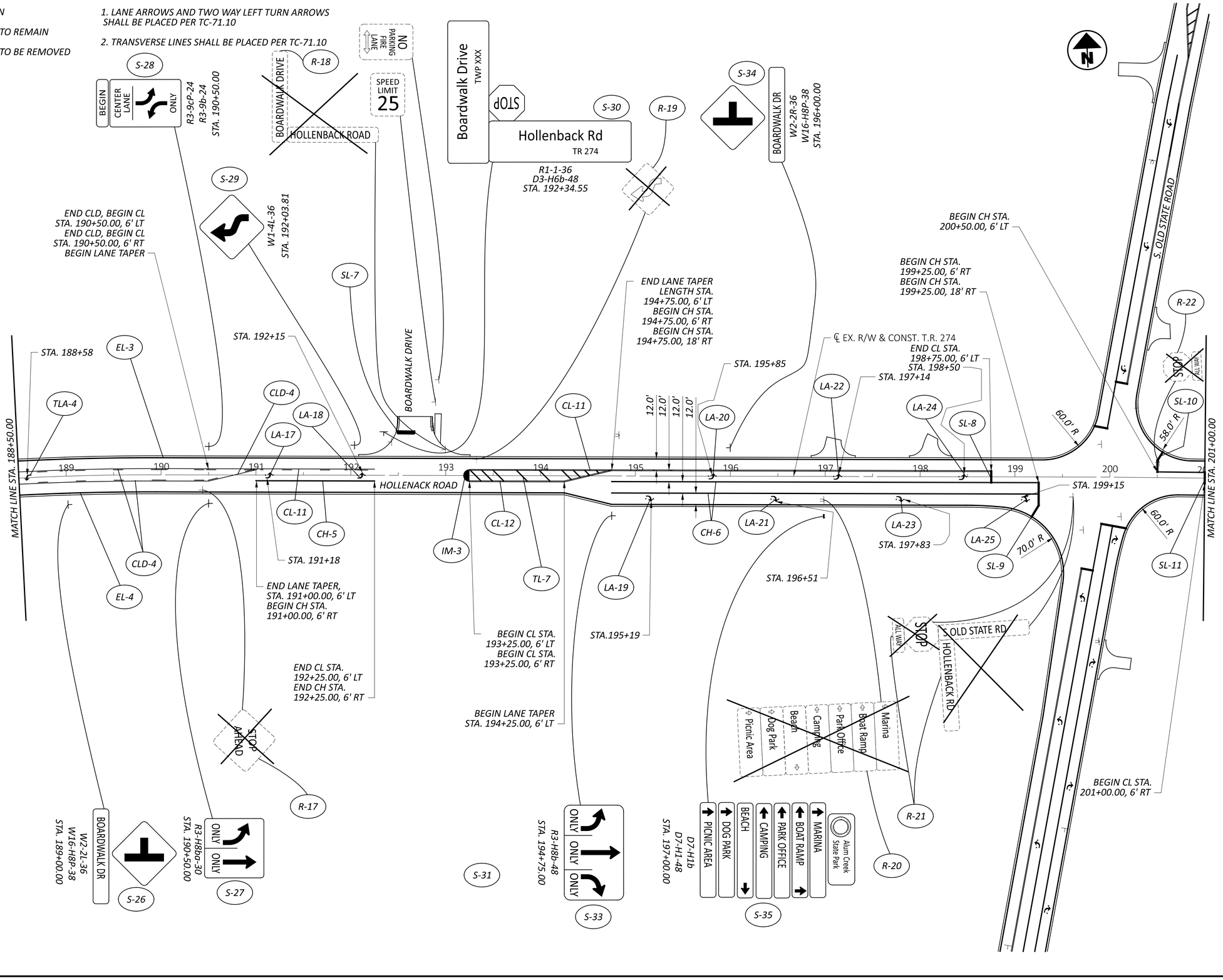
EXISTING SIGN TO REMAIN

EXISTING SIGN TO BE REMOVED

NOTE:

1. LANE ARROWS AND TWO WAY LEFT TURN ARROWS SHALL BE PLACED PER TC-71.10

2. TRANSVERSE LINES SHALL BE PLACED PER TC-71.10



HORIZONTAL SCALE IN FEET

0 25 50 100

TRAFFIC CONTROL - HOLLENBACK ROAD
STA. 188+50.00 TO STA. 201+00.00

DEL-CR10-5.60

DESIGN AGENCY

HNTB

DESIGNER	JAB
REVIEWER	MD 08/01/24
PROJECT ID	1901
SHEET	P.112
TOTAL	P.157

MODEL: RW1 - Plan 2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:17:17 AM USER: crmiller
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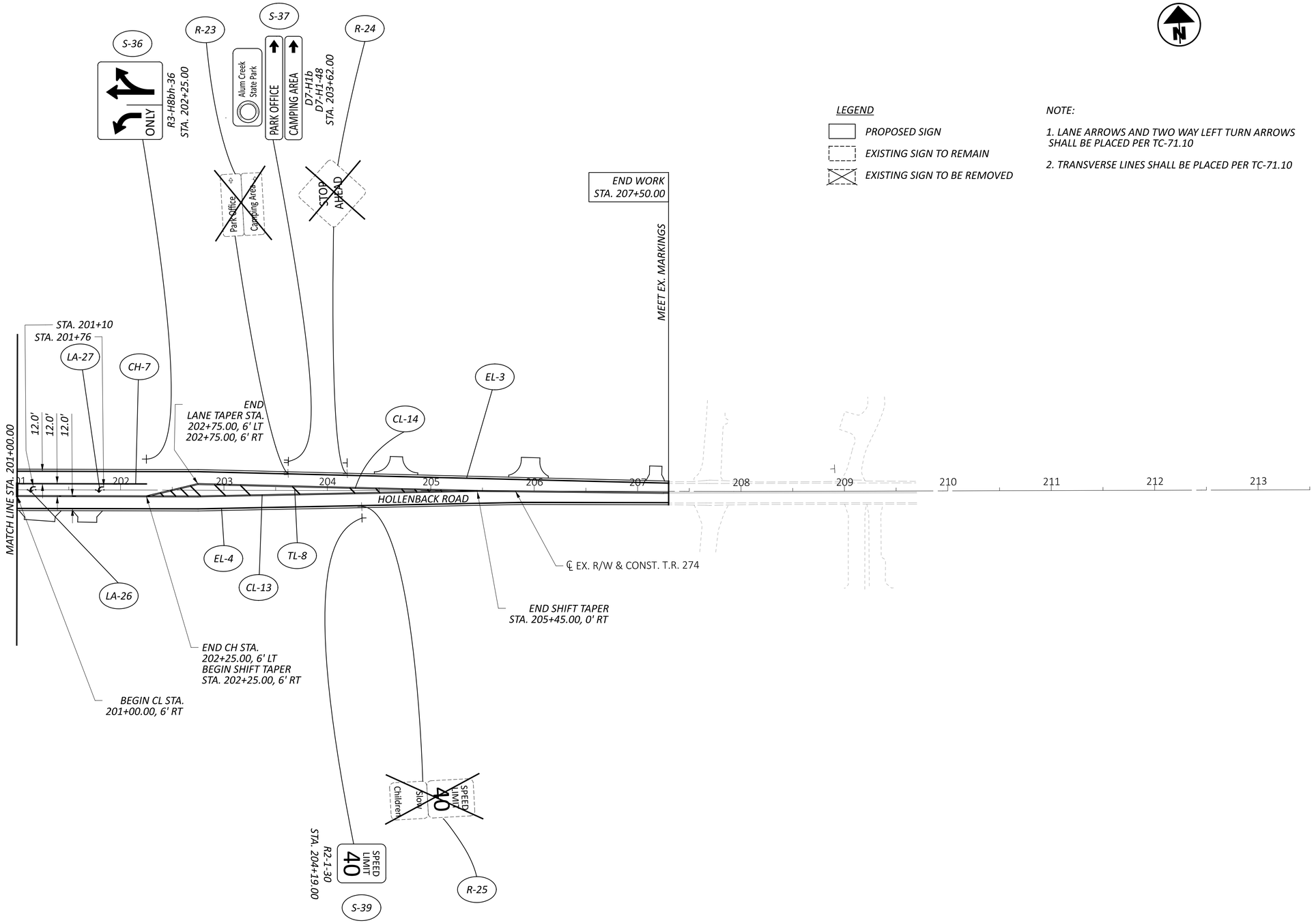

LEGEND

- *PROPOSED SIGN*
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- *EXISTING SIGN TO BE REMOVED*

NOTE:

1. *LANE ARROWS AND TWO WAY LEFT TURN ARROWS SHALL BE PLACED PER TC-71.10*
2. *TRANSVERSE LINES SHALL BE PLACED PER TC-71.10*

HORIZONTAL SCALE IN FEET
0 25 50 100

TRAFFIC CONTROL - HOLLENBACK ROAD STA. 201+00.00 TO END WORK

DEL-CR10-5.60

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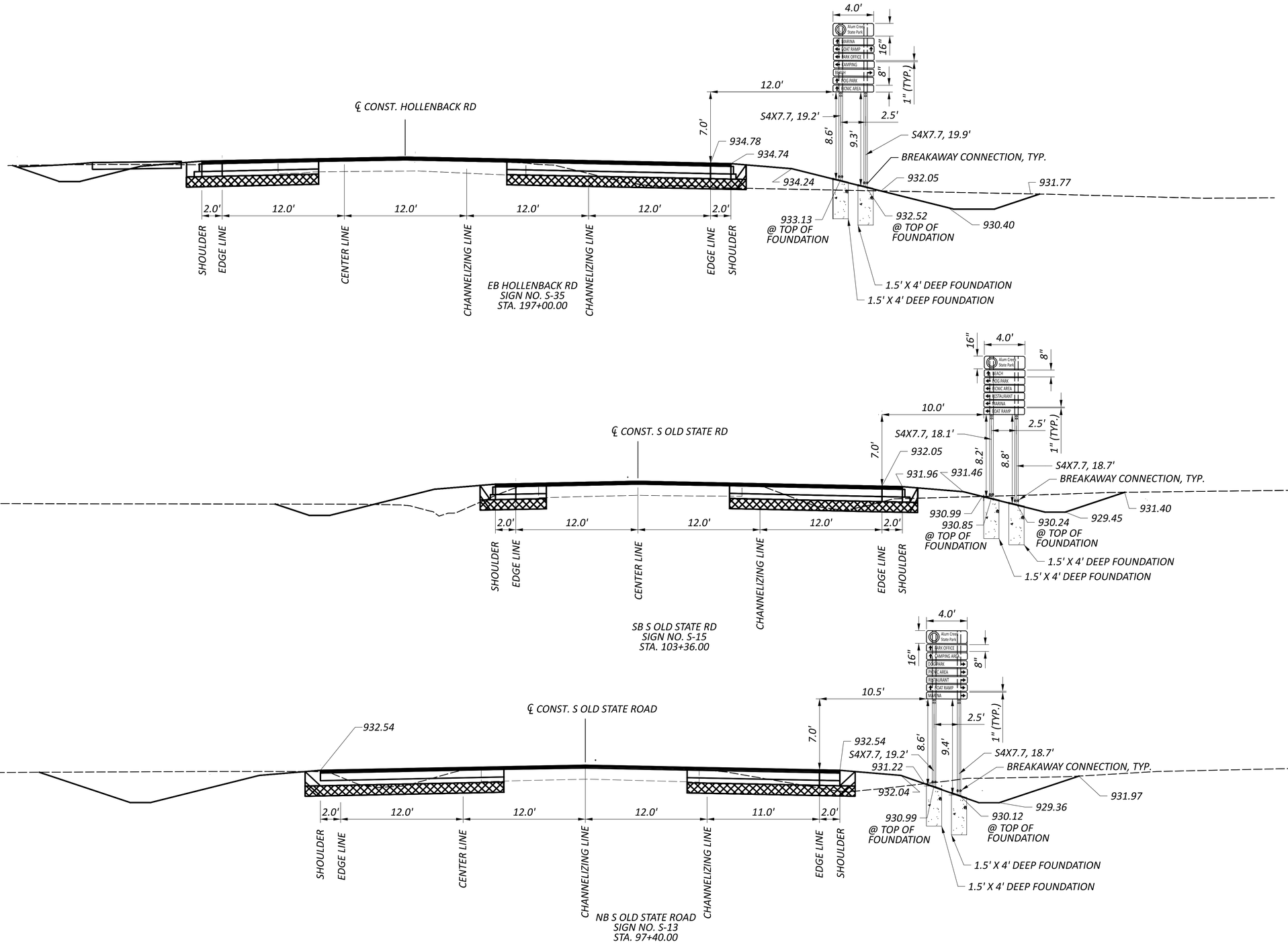
DESIGN AGENCY
HNTB

DESIGNER	JAB
REVIEWER	MD 08/01/24
PROJECT ID	1901
SHEET	P.113
TOTAL	P.157



SIGN ELEVATIONS
S-14, S-15 AND S-35

DESIGN AGENCY

HNTB

DESIGNER
ASEP

REVIEWER
KKP 08-01-24

PROJECT ID
1901

SHEET P.114 | TOTAL P.157

DEL-CR10-5.60

MODEL: TE.1 PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:14:58 AM USER: asingleton
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PLAN AND SPECIFICATION COMPLIANCE

THE CONTRACTOR SHALL FURNISH AND INSTALL TRAFFIC SIGNAL DEVICES IN COMPLIANCE WITH THESE PLANS AND SPECIFICATIONS, THE CURRENT ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS AND ITS SUPPLEMENTAL SPECIFICATIONS, OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, AND THE "TC", "HL" STANDARD CONSTRUCTION DRAWINGS ISSUED BY ODOT (SUPPLEMENTS THE PLAN SPECIFICATIONS). THESE SPECIFICATIONS SET FORTH THE DESIGN AND MINIMUM OPERATING REQUIREMENTS FOR TRAFFIC SIGNAL EQUIPMENT. THE DELAWARE COUNTY ENGINEER'S OFFICE SHALL DETERMINE WHETHER THE SUPPLIED ITEMS MEET OR EXCEED THESE REQUIREMENTS.

TRAFFIC SIGNAL CONTROL EQUIPMENT SHALL MEET OR EXCEED THE STANDARDS SPECIFIED IN THE FOLLOWING DOCUMENTS:

A) SPECIFICATIONS LISTED IN THIS PLAN

B) NEMA STANDARDS PUBLICATION NO. TS2-1992 (OR CURRENT NEMA ISSUE)

C) 2023 ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS

IN CASE OF A CONFLICTING SPECIFICATION STATEMENT, THE SPECIFICATION DOCUMENT HIERARCHY SHALL BE IN THE ORDER LISTED FROM (A), HIGHEST, TO (C), LOWEST.

TEN-DAY TEST REQUIREMENTS

DELAWARE COUNTY REQUIRES A 10 DAY TEST TO START AFTER INSTALLATION IS 100% COMPLETE. NO PARTIAL TESTS WILL BE CONDUCTED. THE CONTRACTOR SHALL SUBMIT A WRITTEN REQUEST TO THE DELAWARE COUNTY TRAFFIC ENGINEER STATING THAT THE SIGNAL INSTALLATION IS 100% COMPLETED AND A START DATE FOR THE TEN DAY TEST IS REQUESTED. IF LESS THAN 100% COMPLETION IS DETECTED UPON INSPECTION BY THE COUNTY OR ANY MAJOR MALFUNCTION (CONTROLLER, INTERCONNECT EQUIPMENT, LOOP AMPLIFIERS, ETC.) IS DETECTED, THEN THE TEN-DAY TEST SHALL BE COMPLETELY RESTARTED.

SIGNAL INSTALLATION INSPECTION

THE CONTRACTOR SHALL NOTIFY THE DELAWARE COUNTY TRAFFIC DEPARTMENT AT (740) 833-2429 ONE WORK DAY BEFORE STARTING ANY TRAFFIC SIGNAL WORK INCLUDING BUT NOT LIMITED TO SIGNAL POLE FOUNDATIONS, PULL BOX, TRAFFIC SIGNAL CONDUIT, OR SIGNAL WIRING/LASHING. IF THE CONTRACTOR STOPS ANY TRAFFIC SIGNAL INSTALLATION WORK FOR GREATER THAN 3 CONSECUTIVE WORKING DAYS FOR ANY REASONS, RE-NOTIFICATION IS REQUIRED.

ANY WORK COMPLETED WITHOUT NOTIFICATION, MAY BE REQUIRED TO BE REDONE AT THE CONTRACTOR'S EXPENSE AS DIRECTED BY THE ENGINEER.

TESTING

THE CONTRACTOR SHALL SUBMIT CERTIFIED DOCUMENTATION, IN ACCORDANCE WITH 632.28, FOR THE FOLLOWING TESTS (A FORM IS AVAILABLE FROM THE ODOT'S TEM):

1. GROUND TEST
2. SHORT-CIRCUIT TEST
3. CIRCUIT CONTINUITY TEST
4. CABLE INSULATION TEST
5. FUNCTIONAL TEST

AS AN ALTERNATIVE, THE CONTRACTOR MAY REQUEST THAT A PERSON FROM THE COUNTY'S TRAFFIC DEPARTMENT BE PRESENT. TO MAKE ARRANGEMENTS, CALL (740) 833-2429. ANY TEST CONDUCTED AND NOT CERTIFIED (OR IF THE TEST IS CONDUCTED WITHOUT THE COUNTY'S TRAFFIC REPRESENTATIVE) SHALL BE RE-DONE.

MATERIAL INFORMATION SUBMITTAL AND TESTING CERTIFICATION

THE CONTRACTOR SHALL SUBMIT, FOR COUNTY APPROVAL; DIAGRAMS, BROCHURES OR OTHER DESCRIPTIVE MATERIAL FOR THE ITEMS THE CONTRACTOR INTENDS TO FURNISH THAT HAVE NOT BEEN SPECIFICALLY NAMED BY PRODUCT NUMBER. WHEN REQUESTED, THE MANUFACTURER SHALL PROVIDE A CERTIFIED LETTER STATING THAT THE CONTROLLER, MALFUNCTION MANAGEMENT UNIT (MMU), LOAD SWITCH UNITS AND AC LINE FILTERS HAVE BEEN SUCCESSFULLY TESTED IN EXACT ACCORDANCE WITH THE NEMA ENVIRONMENTAL STANDARDS AND TEST PROCEDURES. SUCH TESTING SHALL HAVE OCCURRED NO MORE THAN SIX-MONTHS PRIOR TO THE DATE OF THIS CONTRACT. THIS SIX-MONTH REQUIREMENT MAY BE WAIVED BY THE DELAWARE COUNTY TRAFFIC ENGINEER IF THE MANUFACTURER CAN SATISFACTORILY DEMONSTRATE TO THE TRAFFIC ENGINEER THAT THE SUPPLIED EQUIPMENT IS IDENTICAL TO THE EQUIPMENT THAT WAS PREVIOUSLY TESTED AND THAT THE MANUFACTURER REQUEST THIS TESTING REQUIREMENT BE WAIVED. ANY REDESIGN OR CHANGES OF ANY TYPE INCLUDING ANY COMPONENT CHANGES WHICH WOULD MAKE THE BID CONTROL EQUIPMENT NOT IDENTICAL TO TESTED CONTROL EQUIPMENT WILL REQUIRE THE ABOVE EQUIPMENT TO BE RE-CERTIFIED.

DETECTION MAINTENANCE

IF VEHICLE DETECTION BECOMES UNEXPECTEDLY DISABLED, REQUIRES MODIFICATION, OR IS SCHEDULED TO BE TEMPORARILY REMOVED DURING THE CONSTRUCTION PROJECT, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT ENGINEER AND DISTRICT TRAFFIC ENGINEER.

IF THE LOSS OF VEHICLE DETECTION IS KNOWN PRIOR TO THE START OF CONSTRUCTION, IT SHALL BE DISCUSSED AT THE PRECONSTRUCTION MEETING. AT SUCH TIME, THE DISTRICT TRAFFIC ENGINEER SHALL ADVISE THE PROJECT ENGINEER AND CONTRACTOR ON THE APPROPRIATE ACTION TO RECTIFY ANY LOSS OF VEHICLE DETECTION. THIS MAY INCLUDE PLACING THE TRAFFIC SIGNAL ON MINIMUM OR MAXIMUM RECALL, MODIFYING THE MINIMUM GREEN TIMES, AND REMOVING THE MALFUNCTIONING DETECTION FROM SERVICE. WHERE NON-INTRUSIVE DETECTION (I.E. VIDEO, RADAR) ALREADY EXISTS, THE CONTRACTOR SHALL INSURE THAT DETECTION IS OPERATING AND MAINTAINED BY RECONFIGURING THE DETECTION UNITS ACCORDINGLY DURING ALL CONSTRUCTION PHASES. THIS IS TO AVOID THE SIGNAL FROM MAXING OUT THE EFFECTED SIGNAL PHASE AND CREATING UNNECESSARY DELAYS.

LOCATIONS WHERE NON-INTRUSIVE DETECTION IS PROPOSED AND THE EXISTING VEHICLE DETECTION IS TO BE ABANDON, THE NON-INTRUSIVE VEHICLE DETECTION SHALL BE INSTALLED, CONFIGURED AND MADE FULLY FUNCTIONAL PRIOR TO THE EXISTING DETECTION BEING DISABLED. THE CONTRACTOR SHALL CONTINUE TO MAINTAIN AND MODIFY THE DETECTION UNTIL FINAL ACCEPTANCE OF THE TRAFFIC SIGNAL. THIS IS TO ENSURE VEHICLE DETECTION REMAINS FULLY FUNCTIONAL THROUGHOUT CONSTRUCTION.

SIGNAL INSTALLATION & MAINTENANCE PERSONNEL REQUIREMENTS

THE CONTRACTOR SHALL ASSIGN A SUPERVISOR FOR THIS PROJECT. THE SUPERVISOR SHALL BE A FULL TIME EMPLOYEE OF THE CONTRACTOR. THE CONTRACTOR SHALL NOT CHANGE A SUPERVISOR ASSIGNED TO A PROJECT WITHOUT WRITTEN NOTICE. AN IMSA LEVEL 2 CERTIFIED TRAFFIC CONTROL TECHNICIAN(S) SHALL BE AVAILABLE ON A 24-HOUR PER DAY PER WEEK BASIS. NAMES, LOCAL ADDRESSES, TELEPHONE NUMBERS AND COPIES OF ALL CERTIFICATIONS MUST BE SUBMITTED TO THE ENGINEER. ALL CONTROLLER WORK AS DEFINED BELOW IN ITEMS 1 THROUGH 4 SHALL BE PERFORMED BY AN INTERNATIONAL MUNICIPAL SIGNAL ASSOCIATION (IMSA) LEVEL TWO CERTIFIED TECHNICIAN.

1. BACK PANEL WIRING TERMINATIONS
2. PROGRAMMING
3. TURN ON
4. TROUBLESHOOTING

THE CONTRACTOR SHALL ALSO HAVE A FOREMAN ASSIGNED TO EACH CREW PERFORMING WORK FOR THIS PROJECT. A FOREMAN SHALL BE PRESENT AT ALL TIMES WHEN WORK IS PERFORMED BY THE CREW. EACH FOREMAN SHALL BE AN IMSA LEVEL ONE CERTIFIED TECHNICIAN. THE CONTRACTOR SHALL PROVIDE PRIOR VERBAL NOTICE TO THE PROJECT ENGINEER IN ORDER TO REPLACE A CREW FOREMAN. IN ADDITION, ANY TRADE PERSON PERFORMING WORK AS DEFINED BELOW IN ITEMS 1 THROUGH 6 SHALL BE AN IMSA LEVEL ONE CERTIFIED TECHNICIAN.

1. CABLE SPLICES
2. SIGNAL HEAD INSTALLATION
3. CABLE AND WIRE INSTALLATION
4. POWER SERVICE INSTALLATION
5. TESTING
6. FIELD WIRING TERMINATIONS

INSTALLATION LAYOUT

ALL TRAFFIC SIGNAL SUPPORTS AND ALL OTHER STATIONED SIGNAL ITEMS SHALL BE LOCATED AND MARKED BY A PROFESSIONAL SURVEYOR USING THE STATION NUMBERS AND OFFSETS PROVIDED IN THESE PLANS. THE SURVEYOR SHALL SET PROPER POLE AND CABINET FOUNDATION ELEVATIONS AND STAKE EACH POLE FOUNDATION ANGLE SO IT MATCHES THE WALK CONCRETE ANGLE. PROJECT PERSONNEL SHALL APPROVE ALL FOUNDATION LOCATIONS AND ELEVATIONS PRIOR TO THE CONTRACTOR INSTALLING THEM. COSTS INCURRED FOR THIS SERVICE SHALL BE INCIDENTAL TO THE COST OF THE PROJECT OR PROVIDED UNDER A CONSTRUCTION LAYOUT STAKE ITEM.

ITEM 625, BRACKET ARM, 18', AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ODOT'S CONSTRUCTION AND MATERIAL SPECIFICATIONS, BRACKET ARMS SHALL BE AS FOLLOWS:

THE BRACKET ARM SHALL BE A MONOTUBE DESIGN MANUFACTURED BY VALMONT, UNION METAL, MILLERBERND OR AMERON. FURNISH NEW MATERIALS AND EQUIPMENT OF FRIST QUALITY, OF CURRENT DESIGN, AND FREE FROM DEFECTS. THE EXTERIOR COLOR OF ALL SURFACES, INCLUDING ALL ATTACHMENT HARDWARE, SHALL BE BLACK (FEDERAL STANDARD 5958 COLOR NO. #27038 WITH A MINIMUM 5 YEAR REPAIR WARRANTY OF COATING DELAMINATION, BLISTERING OR CORROSION). THE ARMS SHALL BE GALVANIZED AND POWDER COATED USING A FOUR-PART EPOXY PAINT SYSTEM (AMERON'S AMER-LOC PROCESS OR APPROVED EQUAL).

PAYMENT FOR ITEM 625 "BRACKET ARM, 18', AS PER PLAN" SHALL BE MADE AT THE CONTRACT UNIT PRICE PER EACH COMPLETE AND IN PLACE, AND SHALL INCUDE ALL SIGNAL SUPPORT DESIGN, LABOR, MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE THE WORK.

ITEM 625, LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), 59 WATTS, 120 VOLTS, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ODOT'S CONSTRUCTION AND MATERIAL SPECIFICATIONS, LUMINAIRES FOR CONVENTIONAL LIGHTING UNITS SHALL BE AS FOLLOWS:

THIS ITEM CONSISTS OF INSTALLING A LUMINAIRE ON A MAST ARM POLE AT THE POSITION INDICATED ON THE PLANS. FURNISH NEW MATERIALS AND EQUIPMENT OF FRIST QUALITY, OF CURRENT DESIGN, AND FREE FROM DEFECTS. ENSURE THE LUMINAIRE IS LEVEL AND ALIGHNED VERTICALLY AND HORIZONTALLY TO THE ROADWAY AS SPECIFIED. THE LUMINAIRE SUPPLIED SHALL BE NAVION NVN MODEL NVN-SA1C-740-U-T3-BK-LCF-PR7-PSC. THE LIGHTING SYSTEM SHALL HAVE PHOTOCELL MODLE OA-RA1016. THE PHOTOCELL SHALL BE MOUNTED ON THE LUMINAIRE CLOSEST TO THE TRAFFIC SIGNAL CABINET.

LUMINAIRES SHALL BE POWDER-COAT PAINTED BY THE MANUFACTURER USING SIMILAR AND EQUAL METHODS AND TO THE SAME STANDARDS AS SPECIFIED IN CMS 632 COMBINATION SIGNAL SUPPORT,TYPE 81.22, DESIGN 2, 4, AND 12 POLE, AS PER PLAN.

PAYMENT WILL BE MADE AT THE UNIT BID PRICE FOR EACH CMS ITEM 625, "LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), 59 WATTS, 120 VOLTS, AS PER PLAN" FOR EACH LUMINAIRE WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

ITEM 625 PULL BOX, 725.06, (7,18) AS PER PLAN

PULL BOXES SHALL BE POLYMER CONCRETE OR DURALITE AND SHALL BE MANUFACTURED BY STRONGWELL (QUAZITE), DURALITE OR APPROVED EQUAL. ALL PULL BOXES SHALL BE PG STYLE WITH HA COVER. COVERS SHALL BE STAMPED "TRAFFIC" AND SHALL HAVE SKID RESISTANCE SURFACE. THE COVER SHALL BE SECURED TO THE BOX WITH TWO STAINLESS STEEL HEXHEAD BOLTS, WASHERS, AND INSERTS.

ALL PULL BOXES SHALL BE SET TO FINAL GRADE OR FLUSH WITH PAVEMENT

GROUNDING AND BONDING

THE REQUIREMENTS OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS) AND THE HL AND TC SERIES OF STANDARD CONSTRUCTION DRAWINGS ARE MODIFIED AS FOLLOWS:

1. ALL METALLIC PARTS CONTAINING ELECTRICAL CONDUCTORS SHALL BE PERMANENTLY JOINED TO FORM AN EFFECTIVE GROUND FAULT CURRENT PATH BACK TO THE GROUNDED CONDUCTOR IN THE POWER SERVICE DISCONNECT SWITCH.

A. PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR IN METALLIC CONDUITS (725.04) IN ADDITION TO THE CONDUCTORS SPECIFIED AND BOND THE CONDUIT TO THIS GROUNDING CONDUCTOR.

B. IF MULTIPLE CONDUIT RUNS BEGIN AND END AT THE SAME POINTS, ONLY ONE EQUIPMENT GROUNDING CONDUCTOR IS REQUIRED.

C. IF AN EQUIPMENT GROUNDING CONDUCTOR IS NEEDED IN CONDUIT BETWEEN SIGNALIZED INTERSECTIONS FOR UNDERGROUND INTERCONNECT CABLE, THE GROUNDING SYSTEM FOR EACH SIGNALIZED INTERSECTION WILL BE SEPARATED ABOUT MIDWAY BETWEEN THE INTERSECTIONS.

D. THE MESSENGER WIRE AT SIGNALIZED INTERSECTIONS WILL BE USED AS THE CONDUCTIVE PATH FROM CORNER TO CORNER IF CONDUIT IS NOT PROVIDED UNDER THE ROADWAY. WHEN CONDUIT CONNECTS THE CORNERS OF AN INTERSECTION, AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE USED IN THE CONDUIT.

GROUNDING AND BONDING - CONTINUED

2. CONDUITS.

A. THE 725.04 CONDUIT SHALL HAVE GROUNDING BUSHINGS INSTALLED AT ALL TERMINATION POINTS. THE BUSHING MATERIAL SHALL BE COMPATIBLE WITH GALVANIZED STEEL CONDUIT AND THE GROUNDING LUG MATERIAL SHALL BE COMPATIBLE FOR USE WITH COPPER WIRE. THREADED OR COMPRESSION TYPE BUSHINGS MAY BE USED.

B. BOTH ENDS OF METALLIC CONDUIT SHALL BE BONDED TO THE EQUIPMENT GROUNDING CONDUCTOR.

C. METALLIC CONDUIT MAY BE BONDED TO METALLIC BOXES THROUGH THE USE OF CONDUIT FITTINGS UL APPROVED FOR THIS TYPE OF CONNECTION, WITH THE BOX BONDED TO THE EQUIPMENT GROUNDING CONDUCTOR.

3. WIRE FOR GROUNDING AND BONDING. USE INSULATED, COPPER WIRE FOR THE EQUIPMENT GROUNDING CONDUCTOR. BONDING JUMPERS IN BOXES AND ENCLOSURES MAY BE BARE OR INSULATED COPPER WIRE. WIRE SIZE SHALL BE AS FOLLOWS:

A. USE 4 AWG BETWEEN THE POWER SERVICE AND SUPPORTS, POLES, PEDESTALS, CONTROLLER OR FLASHER CABINETS.

B. THE INSULATION SHALL BE GREEN OR GREEN WITH YELLOW STRIPE(S). FOR 4 AWG OR LARGER, INSULATION MAY ALSO BE BLACK WITH GREEN TAPE/LABELS INSTALLED AT ALL ACCESS POINTS.

4. GROUND ROD

A. A 3/4 INCH SCHEDULE 40 PVC CONDUIT WILL BE USED IN FOUNDATIONS AND CONCRETE WALLS FOR THE GROUNDING CONDUCTOR (GROUND WIRE) RACEWAY TO THE GROUND ROD. SHOULD METALLIC CONDUIT BE USED, BOTH ENDS OF THE CONDUIT SHALL BE BONDED TO THE GROUNDING CONDUCTOR.
B. THE TYPICAL GROUNDING CONDUCTOR (GROUND WIRE) SHALL BE 4 AWG INSULATED, COPPER.

5. POWER SERVICE AND DISCONNECT SWITCH

A. AT THE POWER SERVICE LOCATION, THE GROUNDING CONDUCTOR (GROUND WIRE) FROM THE DISCONNECT SWITCH NEUTRAL (AC-) BAR TO THE GROUND ROD SHALL BE A CONTINUOUS, UNSPLICED CONDUCTOR.

B. THE SERVICE NEUTRAL (AC-) SHALL ONLY BE CONNECTED TO GROUND AT THE PRIMARY POWER SERVICE DISCONNECT SWITCH.

I. NEMA CONTROLLER CABINETS: IF A POWER SERVICE DISCONNECT SWITCH IS LOCATED BEFORE THE CONTROLLER CABINET, THE NEUTRAL (AC-) AND THE GROUNDING BARS IN THE CONTROLLER CABINET SHALL NOT BE CONNECTED TOGETHER AS SHOWN IN NEMA TS-2, FIGURE 5-4.

II. IF SECONDARY DISCONNECT SWITCHES ARE CONNECTED AFTER THE PRIMARY DISCONNECT SWITCH, THE NEUTRAL (AC-) SHALL ONLY BE GROUNDED AT THE PRIMARY SWITCH. EQUIPMENT GROUNDING CONDUCTORS SHALL BE BROUGHT TO THE PRIMARY SWITCH, BUT SHALL BE GROUNDED AT BOTH SECONDARY AND PRIMARY SWITCHES.

PAYMENT FOR THE ABOVE WORK SHALL BE INCIDENTAL TO THE VARIOUS BID ITEMS.

TRAFFIC SIGNAL NOTES

DESIGN AGENCY

HNTB

DESIGNER ST

REVIEWER TB 01/23/25

PROJECT ID 1901

SHEET P.115 TOTAL P.157

DEL-CR10-5.60

MODEL: Notes - Sheet 1 (Sheet) PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:15:03 AM USER: asingleton
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ITEM 632 VEHICULAR SIGNAL HEAD, LED, BLACK, 3-SECTION, 12" LENS, POLYCARBONATE, WITH BACKPLATE, AS PER PLAN
ITEM 632 VEHICULAR SIGNAL HEAD, LED, BLACK, 5-SECTION, 12" LENS, POLYCARBONATE, WITH BACKPLATE, AS PER PLAN:

IN ADDITION TO THE REQUIREMENTS OF CMS 632 AND 732, THE FOLLOWING SHALL APPLY:

1. SIGNAL HEADS AND VISORS SHALL BE CONSTRUCTED OF BLACK POLYCARBONATE PLASTIC WITH VISORS AS SPECIFIED AND MEET ITE SPECIFICATIONS.

2. PROPER EXTERIOR COLORS SHALL BE OBTAINED BY USE OF COLORED PLASTIC MATERIAL RATHER THAN PAINTING.

3. ALL UPPER SIGNAL SUPPORT HARDWARE AND PIPING UP TO AND INCLUDING THE WIRE INLET FITTING SHALL BE POWDER-COATED BLACK FERROUS METAL.

4. THE ENTRANCE FITTING SHALL BE OF THE TRI-STUD DESIGN WITH SERRATED RINGS IN ORDER TO ACHIEVE POSITIVE LOCKING. BEFORE CLOSING SERRATIONS, APPLY A BEAD OF ROOM-TEMPERATURE VULCANIZING (RTV) SILICONE TO ALL SERRATED SURFACES AND THEN TIGHTEN. RTV SILICONE SHALL BE WHITE TO FACILITATE VISUAL INSPECTION. ON HEADS WITH DUAL CONCENTRIC SERRATED RINGS, COMPLETELY FILL THE SPACE BETWEEN THE RINGS WITH RTV SILICONE.

5. ALUMINUM BACKPLATES SHALL BE IN ACCORDANCE WITH CMS 732.22 AND INCLUDE A FLUORESCENT YELLOW REFLECTIVE BORDER.

6. THE LIGHT EMITTING DIODE (LED) SIGNAL LAMP UNITS SHALL MEET THE REQUIREMENTS OF CMS 732.04-C. THE CONTRACTOR SHALL PROVIDE DELAWARE COUNTY, IN WRITING, WITH THE LED MANUFACTURER NAME, SERIAL NUMBER, PART NUMBER, DESCRIPTION OF LAMP, AND DATE OF MANUFACTURE FOR ALL LED UNITS THAT ARE TO BE USED IN THE SIGNAL HEAD PRIOR TO INSTALLATION, FOR ACCEPTANCE AND WARRANTY PURPOSES.

7. SIGNAL HEADS SHALL HAVE A MINIMUM WALL THICKNESS OF 0.117 INCHES.

8. SIGNAL HEADS SHALL INCLUDE CUTAWAY TYPE VISORS.

9. APPLY A BEAD OF SILICONE TO THE SIGNAL HEAD, WASHER, AND ENTRANCE ADAPTER SERRATIONS TO PREVENT WATER INTRUSION. ALSO, FILL THE SPACE BETWEEN CONCENTRIC SERRATION RINGS ON THE TOP OF THE SIGNAL HEAD TO COMPLETELY EXCLUDE WATER FROM THE SPACE BETWEEN THE CONCENTRIC RINGS.

PAYMENT FOR ITEM 632 VEHICULAR SIGNAL HEAD, LED, BLACK, (BY TYPE), 12" LENS, POLYCARBONATE, WITH BACKPLATE, AS PER PLAN SHALL BE MADE FOR COMPLETE SIGNAL HEAD FURNISHED AND INSTALLED, INCLUDING ALL LABOR, EQUIPMENT, MATERIALS, AND NEW ATTACHMENT HARDWARE.

MAINTENANCE OF TRAFFIC SIGNAL INSTALLATIONS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING & PROPOSED TRAFFIC SIGNAL DEVICES UNDER THE FOLLOWING CONDITIONS FROM THE TIME OF AWARD OF THE PROJECT UNTIL THE DEVICE HAS BEEN ACCEPTED BY THE DELAWARE COUNTY ENGINEER'S OFFICE.

THE CONTRACTOR SHALL PROVIDE ONE OR MORE CONTACT PERSONS WHO CAN RECEIVE ALL DEVICE OUT-OF-SERVICE CALLS THAT FALL UNDER THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL DISPATCH MAINTENANCE PERSONNEL TO CORRECT THE PROBLEM. THE CONTRACTOR SHALL PROVIDE THE DELAWARE COUNTY ENGINEER'S OFFICE & THE PROJECT ENGINEER WITH ADDRESSES & PHONE NUMBERS OF THESE CONTACT PERSONS. MAINTENANCE PERSONNEL MAY BE USED TO PERFORM OTHER DUTIES AS LONG AS PROMPT ATTENTION IS GIVEN TO THESE CALLS & A PERSON IS CONTINUOUSLY AVAILABLE TWENTY-FOUR (24) HOURS A DAY & SEVEN (7) DAYS A WEEK. THE CONTRACTOR SHALL PROVIDE MAINTENANCE SERVICE ENTIRELY WITH HIS PERSONNEL.

THE CONTRACTOR SHALL CORRECT ALL LED OUTAGES, DEVICE MALFUNCTIONS OF ANY TYPE, INTERNAL CABINET POWER LOSSES, SPAN OR ABLE PROBLEMS AND MISALIGNED OR DAMAGED VEHICULAR OR PEDESTRIAN IGNAL HEADS WITHIN TWO (2) HOURS AFTER THE CONTRACTOR'S CONTACT PERSON HAS BEEN NOTIFIED OF ANY ONE OF THE ABOVE. IN THE EVENT A NEW SIGNAL DEVICE IS DAMAGED PRIOR TO ACCEPTANCE, THE DAMAGED DEVICE EXCEPT POLES SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE DELAWARE COUNTY ENGINEER'S OFFICE. ANY DAMAGED CABINET ASSEMBLY DEVICE IF REPAIRED SHALL BE TESTED ONCE AGAIN BY DELAWARE COUNTY BEFORE THE DEVICE CAN BE INSTALLED.

IN THE EVENT OF A LOSS OF POWER TO THE SIGNAL INDICATIONS OTHER THAN AN ELECTRIC COMPANY GENERAL POWER OUTAGE, THE CONTRACTOR AT HIS EXPENSE SHALL IMMEDIATELY TAKE ACTION [WITHIN 30 MINUTES] TO PROPERLY ERECT TEMPORARY STOP SIGN(S) & PROVIDE POLICE OFFICER(S) TO DIRECT TRAFFIC UNTIL THE SIGNAL IS BACK ON "FLASH" OR OPERATING PROPERLY.

MAINTENANCE OF TRAFFIC SIGNAL INSTALLATIONS

IF A TRAFFIC SIGNAL POLE IS DAMAGED & THAT DAMAGE CAUSED POLE INSTABILITY, THEN THE CONTRACTOR SHALL TAKE IMMEDIATE ACTION (WITHIN 2 HOURS) TO STABILIZE IT. THE CONTRACTOR SHALL STILL BE RESPONSIBLE FOR PROVIDING THE PROJECT WITH A NEW UNDAMAGED POLE. WHERE OUT-OF-SERVICE CALLS ARE THE DIRECT RESULT OF A VEHICULAR ACCIDENT THE RESPONSE OF THE CONTRACTOR SHALL BE AS OUTLINED ABOVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COLLECTION OF ANY COMPENSATION FROM THOSE PARTIES RESPONSIBLE FOR THE DAMAGE TO THE CONTRACTOR'S MATERIALS.

WHERE THE CONTRACTOR HAS FAILED TO RESPOND OR CANNOT RESPOND TO AN OUT-OF-SERVICE CALL WITHIN THE TIME PERIOD SPECIFIED ABOVE AT LOCATIONS UNDER HIS RESPONSIBILITY, THE DELAWARE COUNTY ENGINEER'S OFFICE MAY TAKE ACTION AS IT DEEMS NECESSARY TO CORRECT THE SITUATION. THIS ACTION MAY INCLUDE CONTROLLING THE INTERSECTION USING DELAWARE COUNTY LAW ENFORCEMENT OFFICERS, COMPLETELY REMOVING OR REPLACING ANY MALFUNCTIONING TRAFFIC CONTROL DEVICE, AND/OR INSTALLING ANY DEVICE(S) REQUIRED TO RETURN THE INTERSECTION TO REGULAR SIGNAL OPERATION. ALL COSTS ASSOCIATED WITH THESE ACTIONS SHALL BE BILLED DIRECTLY TO THE CONTRACTOR & NOT INCLUDED IN ITEM 614 MAINTAINING TRAFFIC.

ANY NON-OPERATING VEHICULAR OR PEDESTRIAN SIGNAL HEAD OR PUSHBUTTON SHALL BE COVERED AS REFERENCED TO IN THESE PLANS. ALL SIGNAL HEADS WHILE COVERED SHALL BE DARK BY DISCONNECTING POWER TO THE SIGNAL INDICATIONS. NO COVERED HEAD SHALL BLOCK THE VIEW OF AN OPERATING HEAD. A MINIMUM OF TWO (2) VEHICULAR SIGNAL HEADS PER TRAVELED DIRECTION (SPACED 8' APART MINIMUM AND 12' MAXIMUM) SHALL BE OPERATING AT ALL TIMES. NO EXCEPTIONS!

ALL COSTS RESULTING FROM THE ABOVE REQUIREMENTS, EXCEPT AS NOTED, SHALL BE CONSIDERED TO BE INCLUDED IN THE LUMP SUM BID PRICE FOR ITEM 614 MAINTAINING TRAFFIC, AS PER PLAN.

ITEM 632 SIGNAL SUPPORT FOUNDATION, AS PER PLAN

THE POLE BASE FOUNDATION SIDES SHALL BE ORIENTATED PARALLEL TO THE SIDEWALK OR BACK-OF-CURB OR EDGE-OF-PAVEMENT AS SHOWN ON THE SIGNAL PLANS. THE TOP OF THE FOUNDATION SHALL BE FLUSH WITH ANY ADJACENT SIDEWALK OR CONCRETE AREA EXCEPT WHERE THE GROUND RISES STEEPLY BEHIND THE SIDEWALK OR CONCRETE AREA. THEN THE BACK SIDE OF THE FOUNDATION SHALL MATCH THE GROUND SLOPE AND THE STREET SIDE OF THE FOUNDATION SHALL BE ABOVE THE SIDEWALK OR CONCRETE AREA AND COMPLETELY OUT OF THE SIDEWALK OR CONCRETE AREA. ONE SPARE 2" CONDUIT ELL SHALL BE INSTALLED IN EACH POLE FOUNDATION. SEE POLE ORIENTATION CHART FOR ANGULAR POSITION. ALL ANCHOR BOLTS SHALL BE ASTM F-1554 GRADE 105 WITH ROLLED THREAD. BOLT COVERS SHALL BE INSTALLED. THE ANCHOR BOLTS AND CONDUIT ELLS ARE INCIDENTAL TO THIS ITEM.

ITEM 632, 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:
POWER COMPANY – AMERICAN ELECTRIC POWER
ADDRESS – 1 RIVERSIDE PLAZA
COLUMBUS, OH
614-716-1000
CONTACT NAME – ROBERT MATHEWS

THE CONTRACTOR WILL BE RESPONSIBLE FOR REQUESTING AND SCHEDULING ANY INSPECTIONS THE POWER COMPANY MAY REQUIRE FOR THE POWER SERVICE HOOK-UP. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT THE POWER COMPANY FOR THE ELECTRICAL SERVICE CONNECTION. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR SPLICE POWER CABLE INTO THE POWER COMPANY'S CIRCUITS. THE VOLTAGE SUPPLIED SHALL BE 120 VOLTS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS AND THE PAYING OF ALL FEES WITH THE EXCEPTION OF NORMAL MONTHLY ENERGY CHARGES.

WHERE THERE IS AN EXISTING POWER SERVICE THAT IS BEING REPLACED, THE CONTRACTOR SHALL COORDINATE WITH THE POWER COMPANY TO CONTINUE BILLING ON THE EXISTING DELAWARE COUNTY ACCOUNT. WHERE A NEW POWER SERVICE IS BEING INSTALLED, THE CONTRACTOR SHALL ESTABLISH THE ACCOUNT IN THE COUNTY'S NAME FROM THE ONSET. METER SERVICE SHALL BE BUILT PER AEP FIGURE #6. RISER SERVICE SHALL BE BUILT PER DS2007-B, DS2007-C.

PAYMENT WILL BE MADE AT THE UNIT BID PRICE FOR EACH CMS ITEM 632, "POWER SERVICE, AS PER PLAN" WHICH SHALL BE FULLCOMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

ITEM 632 COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 2 POLE, (WITH LIGHT POLE EXTENSION), AS PER PLAN
ITEM 632 COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 4 POLE, (WITH LIGHT POLE EXTENSION), AS PER PLAN
ITEM 632 COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12 POLE, (WITH LIGHT POLE EXTENSION), AS PER PLAN

THIS SUPPORT SHALL CONSIST OF A TC-81.22 DESIGN 2, 4, AND 12 POLE (WITH LIGHT POLE EXTENSION). ALL SIGNAL SUPPORT ITEMS REQUIRED BY C&MS ITEM 632 SHALL BE INCLUDED AS PART OF THIS SUPPORT.

ALL SIGNAL SUPPORTS SHALL BE MANUFACTURED BY VALMONT, UNION METAL, MILLERBERND OR AMERON. ALL POLES AND ARMS SHALL BE SMOOTHSIDED; MULTI-SIDED POLES OR ARMS SHALL NOT BE USED. THE EXTERIOR COLOR OF ALL SURFACES, INCLUDING ALL ANCHOR BOLT COVERS, SHALL BE BLACK (FEDERAL STANDARD 5958 COLOR NO. #27038 WITH A MINIMUM 5 YEAR REPAIR WARRANTY OF COATING DELAMINATION, BLISTERING OR CORROSION). THE POLES SHALL BE GALVANIZED AND POWDER COATED USING A FOUR-PART EPOXY PAINT SYSTEM (AMERON'S AMER-LOC PROCESS OR APPROVED EQUAL).

ALL ATTACHMENTS ON POLES SUCH AS MOUNTING BRACKETS, BANDING, WEATHERHEADS, RISERS AND DAMPERS ON POLES SHALL BE BLACK POWDERCOATED TO MATCH POLES AND BRACKET ARMS. IN ADDITION TO PROVISION OF THE ODOT C&MS, FURNISH AND INSTALL SIGNAL POLES AS SPECIFIED IN THE PLANS.

THE SIGNAL SUPPORT DESIGNER SHALL PROVIDE DRAWINGS OF A SIGNAL SUPPORT WITH STRUCTURAL ASPECTS OF THE DESIGN AND MATERIALS IN COMPLIANCE WITH THE 2001 AASHTO STANDARD SPECIFICATIONS, WITH 2006 INTERIM REVISIONS, FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS. THE SIGNAL SUPPORT SHALL BE ASTM A595 GRADE A WITH A MINIMUM YIELD STRENGTH OF 50 KSI. THE FOLLOWING DESIGN PARAMETERS SHALL BE USED:

1. BASIC WIND SPEED = 90 MPH
2. DESIGN LIFE = 25 YEARS
3. FATIGUE CATEGORY = III
4. GALLOPING = NO
5. TRUCK INDUCED GUST = NO

SUBMIT, TO THE ENGINEER PRIOR TO INCORPORATION: TWO COPIES OF THE SIGNAL SUPPORT DRAWINGS AND SHOP DRAWING, WHICH IDENTIFY AND DESCRIBE EACH MANUFACTURED SIGNAL SUPPORT AND SIGNAL SUPORT ITEM WHICH IS BEING INCORPORATED INTO THE CONSTRUCTION. THE SIGNAL SUPPORT DRAWINGS AND SHOPDRAWINGS SHALL EACH BE REVIEWED, SEALED, STAMPED AND DATED BY TWO OHIO REGISTERED PROFESSIONAL ENGINEERS.

PAYMENT FOR ITEM 632 "SIGNAL SUPPORT, TYPE 81.22, DESIGN 2, 4, AND 12 POLE, AS PER PLAN" SHALL BE MADE AT THE CONTRACT UNIT PRICE PER EACH COMPLETE AND IN PLACE, AND SHALL INCUDE ALL SIGNAL SUPPORT DESIGN, LABOR, MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE THE WORK.

ITEM 632 - SIGNALIZATION, MISC.: FOUNDATION TEST HOLE

IT IS ANTICIPATED THAT THE CONTRACTOR WILL ENCOUNTER UNDERGROUND UTILITIES WHILE EXCAVATING FOR SIGNAL SUPPORT FOUNDATIONS OR SIMILAR FOUNDATIONS. AFTER ACCURATELY IDENTIFYING THE PROPOSED LOCATION OF THE FOUNDATION, AS SHOWN IN THE PLANS AND AFTER MODIFYING THAT LOCATION, IF NECESSARY, BASED ON THE FIELD MARKING OF UNDERGROUND UTILITY LOCATION, THE CONTRACTOR DISCOVERS A UTILITY CONFLICT DURING THE EXCAVATION OPERATION, THE CONTRACTOR WILL BE COMPENSATED FOR EACH PARTIAL FOUNDATION EXCAVATION ACCORDING TO THE BID PRICE.

BEFORE THE CONTRACTOR BEGINS THE EXCAVATION AT THE MODIFIED LOCATION, THE CONTRACTOR SHALL VERIFY THAT THERE WILL BE NO OVERHEAD UTILITY CONFLICTS RESULTING FROM THE NEW SIGNAL SUPPORT LOCATION. NEW SUPPORT LOCATIONS ARE TO BE APPROVED BY THE ENGINEER.

THE WORK WILL INCLUDE BACKFILLING, COMPACTING, AND RESTORATION OF THE EXCAVATION TO THE SITE'S ORIGINAL CONDITION.

EXCAVATIONS SHALL NOT BE LEFT OPEN OVERNIGHT.

PAYMENT FOR THIS ITEM SHALL BE AT THE UNIT PRICE BID PER EACH ITEM 632 TEST HOLE PERFORMED TO BE USED AT THE DIRECTION OF THE ENGINEER.

THE FOLLOWING ESTIMATE QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY AS A CONTINGENCY QUANTITY FOR USE AS DESCRIBED HEREIN.

ITEM	TOTAL	UNIT	DESCRIPTION
632	4	EACH	SIGNALIZATION, MISC.: FOUNDATION TEST HOLE

ITEM 633 CONTROLLER UNIT, TYPE TS2/A2, WITH CABINET, TYPE TS2, AS PER PLAN

THE CONTROLLER SHALL BE AN ECONOLITE COBALT – NEMA TS 2 TYPE TWO. THE REMAINDER OF THE CONTROLLER ASSEMBLY EQUIPMENT WILL BE NEMA TS2 TYPE ONE.

- THE CONTROLLER SHALL INCLUDE TWO ETHERNET PORTS & DATA KEY.
- THE CONTROLLER SHALL INCLUDE THE COBALT TOUCH SOFTWARE.
- THE CONTROLLER SHALL BE FULLY COMPATIBLE WITH CENTRACS.
- BACK-UP PROTECTION SHALL BE ENABLED.
- A WIRELESS MODEM MANUFACTURED BY SIERRA WIRELESS (MODEL AIRLINK MP70) SHALL BE INCLUDED.
- FOUR 120VOLT GFI RECEPTACLES SHALL BE INSTALLED.
- THE CABINET SHALL INCLUDE A TERMINAL STRIP FOR EMERGENCY VEHICLE PREEMPTION.
- THE CONFLICT MONITOR WILL BE AN EDI MMU 16LEIP.
- THE CONTROLLER CABINET SHALL HAVE TWO (2) GROUND RODS INSTALLED ONE (1) FOOT APART. THE RODS SHALL BE CONNECTED BY A GROUND WIRE JUMPER THAT IS WELDED TO EACH ROD.
- THE WAVETRONIX LOOP DETECTOR UNIT SHALL BE LABELED TO IDENTIFY THE DIRECTION OF EACH UNIT
- THE CONTROLLER CABINET ENCLOSURES SHALL BE TS2 TYPE 5. THE TERMINAL FACILITIES SHALL BE TS2 CONFIGURATION 3 (12 LOAD SWITCH SOCKETS).

PAYMENT SHALL BE MADE AT THE UNIT PRICE BID PER EACH, COMPLETE AND IN PLACE, ALL CONNECTIONS TESTED AND ACCEPTED.

ITEM 633 CABINET FOUNDATION, AS PER PLAN

THE CABINET FOUNDATION SHALL BE SIZED TO ACCOMMODATE THE UPS CABINET ON THE SAME FOUNDATION.

ITEM 633 CONTROLLER WORK PAD, AS PER PLAN

THE CONTROLLER WORK PAD SHALL BE SIZED TO ACCOMMODATE THE UPS CABINET ON THE SAME WORK PAD.

ITEM 633 CONTROLLER ITEM, MISC.: UNINTERRUPTIBLE POWER SUPPLY (UPS), 1,700 WATT, 48 VOLTS, SIDE MOUNT, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF FURNISHING AND INSTALLING A BATTERY BACKUP UPS SYSTEM TO PROVIDE UNINTERRUPTIBLE, RELIABLE, EMERGENCY POWER TO A TRAFFIC SIGNAL INTERSECTION IN THE EVENT OF A POWER FAILURE OR INTERRUPTION. THE TRANSFER FROM UTILITY POWER TO BATTERY POWER SHALL NOT INTERFERE WITH THE NORMAL OPERATIONS OF THE TRAFFIC CONTROL SYSTEM. THE SYSTEM SHALL BE SELF-CONTAINED INCLUDING ALL UPS HARDWARE, THE REQUIRED NUMBER OF BATTERIES AND ITS OWN SEPARATE VENTILATED ENCLOSURE. CABINET RISER FOR THE UPS CABINET SHALL BE INCLUDED. PAYMENT SHALL BE MADE AT THE UNIT PRICE BID PER EACH, COMPLETE AND IN PLACE, ALL CONNECTIONS TESTED AND ACCEPTED.

ITEM 633 CONTROLLER ITEM, MISC.: PREEMPTION, AS PER PLAN

THIS ITEM CONSISTS OF PROVIDING AND INSTALLING EQUIPMENT IN THE LOCATIONS AND LOCAL AS SHOWN ON THE PLANS. PREEMPTION SHALL BE COMPATIBLE WITH THE COUNTY'S EXISTING CENTRACS PRIORITY SYSTEM AND INCLUDE SETUP, CONFIGURATION, INTEGRATION AND 5-YEAR SUBSCRIPTION.

PAYMENT SHALL BE MADE AT THE CONTRACT UNIT PRICE FOR ITEM 633 CONTROLLER ITEM, MISC.: PREEMPTION, AS PER PLAN, IN PLACE, FULLY OPERATIONAL AND TESTED AS SHOWN ON THE PLANS.

TRAFFIC SIGNAL NOTES

DESIGN AGENCY
HNTB

DESIGNER ST
REVIEWER TB 01/23/25
PROJECT ID 1901
SHEET P.116 TOTAL P.157

DEL-CR10-5.60

MODEL: Notes - Sheet 2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:15:04 AM USER: asingleton
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ITEM 633 ADVANCED/DILEMMA ZONE DETECTION, RADAR, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF FURNISHING AND INSTALLING ADVANCED/DILEMMA ZONE DETECTION UNIT MANUFACTURED BY WAVETRONIX (CURRENT MODEL #WX-SS-200V) OR APPROVED EQUAL.

THE MANUFACTURER'S REPRESENTATIVE SHALL BE ON SITE DURING INSTALLATION AND TESTING AND SHALL PROVIDE ONSITE TRAINING ON THE SETUP, OPERATION AND MAINTENANCE OF THE UNIT.

THE UNIT SHALL COME WITH A 2-YEAR MANUFACTURER SUPPLIED WARRANTY.

PRIOR TO PROGRAMMING, THE CONTRACTOR SHALL CONTACT THE DELAWARE COUNTY TRAFFIC DEPARTMENT AT 740-833-2429. A COUNTY TRAFFIC DEPARTMENT REPRESENTATIVE SHALL BE PRESENT DURING THE PROGRAMMING OF THE SYSTEM.

PAYMENT FOR ITEM 633 ADVANCED/DILEMMA ZONE DETECTION, RADAR, AS PER PLAN SHALL BE MADE AT THE CONTRACT UNIT PROICE FOR EACH UNIT, COMPLETE AND IN PLACE INCLUDING ALL REQUIRED CABINET HARDWARE, MOUNTING BRACKETS, CABLES, CONDUIT, AND CONNECTIONS, TESTED AND ACCEPTED.

ITEM 633 STOP BAR DETECTION, RADAR, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF FURNISHING AND INSTALLING ADVANCED/DILEMMA ZONE DETECTION UNIT MANUFACTURED BY WAVETRONIX (CURRENT MODEL #WX-SS-225) OR APPROVED EQUAL.

THE MANUFACTURER'S REPRESENTATIVE SHALL BE ON SITE DURING INSTALLATION AND TESTING AND SHALL PROVIDE ONSITE TRAINING ON THE SETUP, OPERATION AND MAINTENANCE OF THE UNIT.

THE UNIT SHALL COME WITH A 2-YEAR MANUFACTURER SUPPLIED WARRANTY.

PRIOR TO PROGRAMMING, THE CONTRACTOR SHALL CONTACT THE DELAWARE COUNTY TRAFFIC DEPARTMENT AT 740-833-2429. A COUNTY TRAFFIC DEPARTMENT REPRESENTATIVE SHALL BE PRESENT DURING THE PROGRAMMING OF THE SYSTEM.

PAYMENT FOR ITEM 633 ADVANCED/DILEMMA ZONE DETECTION, RADAR, AS PER PLAN SHALL BE MADE AT THE CONTRACT UNIT PROICE FOR EACH UNIT, COMPLETE AND IN PLACE INCLUDING ALL REQUIRED CABINET HARDWARE, MOUNTING BRACKETS, CABLES, CONDUIT, AND CONNECTIONS, TESTED AND ACCEPTED.

TRAFFIC SIGNAL NOTES

DESIGN AGENCY

HNTB

DESIGNER ST

REVIEWER TB 01/23/25

PROJECT ID 1901

SHEET P.117 TOTAL P.157

DEL-CR10-5.60

MODEL: Notes - Sheet 3 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:15:06 AM USER: asingleton
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TRAFFIC SIGNAL SUMMARY

SHEET NUMBER												PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
115	116	117	119															
																	TRAFFIC SIGNALS	
	LS												614	11001	LS		MAINTAINING TRAFFIC, AS PER PLAN	116
			4										625	18301	4	EACH	BRACKET ARM, 18', AS PER PLAN	115
			540										625	23304	540	FT	NO. 8 AWG 600 VOLT DISTRIBUTION CABLE	
			16										625	25500	16	FT	CONDUIT, 3", 725.04	
			9										625	25600	9	FT	CONDUIT, 4", 725.04	
			293										625	25902	293	FT	CONDUIT, JACKED OR DRILLED, 725.04, 3"	
			4										625	26253	4	EACH	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN, 59 WATTS, 120 VOLTS	115
			3										625	30520	3	EACH	PULL BOX, 725.06, SIZE 7	115
			1										625	30530	1	EACH	PULL BOX, 725.06, SIZE 18	115
			10										625	32000	10	EACH	GROUND ROD	115
			1										630	79200	1	EACH	SIGN ATTACHMENT ASSEMBLY, MAST ARM	
			2										630	79500	2	EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	
			7.5										630	80100	7.5	SF	SIGN, FLAT SHEET	
			2										630	80500	2	EACH	SIGN, DOUBLE FACED, STREET NAME	
			8										632	05007	8	EACH	VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN	116
			1										632	05087	1	EACH	VEHICULAR SIGNAL HEAD, (LED), 5-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN	116
			9										632	25001	9	EACH	COVERING OF VEHICULAR SIGNAL HEAD, AS PER PLAN	116
			645										632	40700	645	FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	
			4										632	64011	4	EACH	SIGNAL SUPPORT FOUNDATION, AS PER PLAN	116
			1										632	70001	1	EACH	POWER SERVICE, AS PER PLAN	116
			2										632	79101	2	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 2, AS PER PLAN	116
			1										632	79111	1	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 4, AS PER PLAN	116
			1										632	79131	1	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12, AS PER PLAN	116
	4												632	90400	4	EACH	SIGNALIZATION, MISC.: FOUNDATION TEST HOLE	116
			1										633	65511	1	EACH	CABINET, TYPE TS-2, AS PER PLAN	116
			1										633	67101	1	EACH	CABINET FOUNDATION, AS PER PLAN	116
			1										633	67201	1	EACH	CONTROLLER WORK PAD, AS PER PLAN	116
			1										633	99000	1	EACH	CONTROLLER ITEM, MISC.:UNINTERRUPTIBLE POWER SUPPLY (UPS),1,700 WATT, 48 VOLTS, SIDE MOUNT, AS PER PLAN	116
			1										633	99000	1	EACH	CONTROLLER ITEM, MISC.:PREEMPTION, AS PER PLAN	116
			4										809	69001	4	EACH	ADVANCE RADAR DETECTION, AS PER PLAN	117
			4										809	69101	4	EACH	STOP LINE RADAR DETECTION, AS PER PLAN	117

DESIGN AGENCY

HNTB

DESIGNER ST

REVIEWER AT 01/29/25

PROJECT ID 1901

SHEET P.118 TOTAL P.157

DEL-CR10-5.60

MODEL: Unnamed Plan - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:15:10 AM USER: asingleton
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PULL BOX TABLE

PULL BOX #	STATION	SIDE	OFFSET (FT)	SIZE (IN.)
PB1	100+52	RT	39.0	17X30"
PB2	99+72	RT	47.2	24X36"
PB3	99+25	LT	57.5	17X30"
PB4	100+25	LT	51.0	17X30"

SIGNAL HEADS

2A, 2B, 4A, 4B, 6A, 6B, 8A, 8B

1A

REGULATORY SIGNS

LEFT TURN YIELD ON GREEN

S1
R10-12
36" X 30"
QTY - 1

STREET NAME SIGNS

Hollenback Rd
D3-1
18" X 78"
QTY - 1

S Old State Rd
D3-1
18" X 84"
QTY - 1

HORIZONTAL SCALE IN FEET
0 5 10 20

94' - 3" CONDUIT, 725.04, JACKED OR DRILLED
4' - 3" CONDUIT, 725.04
POLE MOUNTED STREET NAME SIGN
S. OLD STATE ROAD (C.R. 10)
D2B
D2A
1A
6A
6B
SP1
S1
4' - 3" CONDUIT, 725.04
81' - 3" CONDUIT, 725.04 JACKED OR DRILLED
PB1
PB4
D8A
SP4
P.I. STA. 100+00.00 ℄ EX. R/W & CONST. C.R. 10 = P.I. STA. 200+00.00 ℄ EX. R/W & CONST. T.R. 274
12" STM
4A
D8B
4B
199
200
100
HOLLENBACK ROAD (T.R. 274)
12" TYPE B
201
12" STM
8A
D4B
8B
15" TYPE A
(REC)
115' - 3" CONDUIT, 725.04 JACKED OR DRILLED
SP2
PB2
12" TYPE C
4' - 3" CONDUIT, 725.04
D4A
9'- 4" CONDUIT, 725.04
POLE MOUNTED STREET NAME SIGN
PB3
4' - 3" CONDUIT, 725.04
SP3
2A
2B
D6B
D6A

NOTE: STREETLIGHT BRACKET ARM SHOWN AT AN ANGLE FOR CLARITY. FOR ORIENTATION REFER TO MAST ARM TABLE

NOTE: PERMANENT POWER TO BE PULLED FROM SOUTHEAST CORNER

LEGEND

- TRAFFIC SIGNAL, 3 UNIT, 12"
- TRAFFIC SIGNAL, 5 UNIT, 12"
- DILEMMA ZONE RADAR DETECTION UNIT
- STOP LINE RADAR DETECTION UNIT
- TRAFFIC PULL BOX
- SIGNAL SUPPORT POLE
- TS-2 CONTROLLER AND WORK PAD
- LUMINAIRE

SIGNAL PLANS

DESIGN AGENCY
HNTB

DESIGNER: ST
REVIEWER: TB 07/25/24
PROJECT ID: 1901
SHEET: P.119 TOTAL: P.157

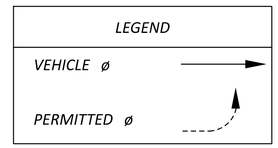
DEL-CR10-5.60

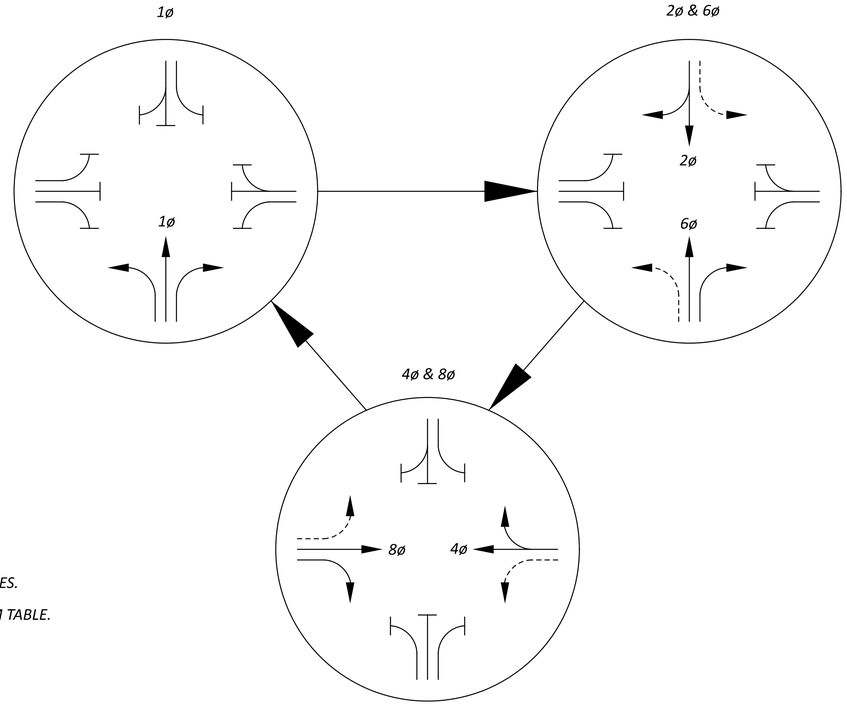
MODEL: Unnamed Plan - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:15:16 AM USER: asingleton
pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Columbus Projects\83630 ODOT\DS01 DEL-CR10-5.60\400-Engineering\Signals\Sheets\83630_CP001.dgn

SIGNAL TIMING CHART (TEM FORM 496-3)

INTERSECTION: S OLD STATE RD. & HOLLENBACK RD.									
MAINTAINING AGENCY: DELAWARE COUNTY									
START UP		DUAL ENTRY: YES		PHASES:		1, 2, 4, 6, & 8			
		REST IN RED:		RING 1 -			RING 2 -		
START IN: -		OVERLAP				A	B	C	D
TIME FOR: FLASH , ALL RED (SEC.): -									
FIRST PHASE(S): 1		PHASES				-	-	-	-
COLOR DISPLAYED: GREEN									
INTERVAL OR FEATURE		CONTROLLER MOVEMENT NO.							
INTERSECTION MOVEMENT (PHASE)		1	2	3	4	5	6	7	8
DIRECTION		NB	SB	-	WB	-	NB	-	EB
MINIMUM GREEN (INITIAL)	(SEC.)	10	30	-	15	-	30	-	15
ADDED INITIAL	*(SEC./ACTUATION)	-	-	-	-	-	-	-	-
MAXIMUM INITIAL	*(SEC.)	-	-	-	-	-	-	-	-
PASSAGE TIME (PRESET GAP)	(SEC.)	3	3	-	3	-	3	-	3
TIME BEFORE REDUCTION	*(SEC.)	-	-	-	-	-	-	-	-
MINIMUM GAP	*(SEC.)	-	-	-	-	-	-	-	-
TIME TO REDUCE	*(SEC.)	-	-	-	-	-	-	-	-
MAXIMUM GREEN I	(SEC.)	20	40	-	30	-	40	-	30
MAXIMUM GREEN II	(SEC.)	-	-	-	-	-	-	-	-
YELLOW CHANGE	(SEC.)	4	5	-	5	-	5	-	5
ALL RED CLEARANCE	(SEC.)	3	1	-	1.5	-	1	-	1.5
DELAYED GREEN (LPI) '	(SEC.)	-	-	-	-	-	-	-	-
FLASHING YELLOW ARROW DELAY^	(SEC.)	-	-	-	-	-	-	-	-
WALK	(SEC.)	-	-	-	-	-	-	-	-
PEDESTRIAN CLEARANCE	(SEC.)	-	-	-	-	-	-	-	-
RECALL MAXIMUM	(ON/OFF)	OFF	OFF	-	OFF	-	OFF	-	OFF
RECALL MINIMUM	(ON/OFF)	OFF	ON	-	OFF	-	ON	-	OFF
RECALL PEDESTRIAN	(ON/OFF)	-	-	-	-	-	-	-	-
MEMORY	(ON/OFF)	OFF	OFF	-	OFF	-	OFF	-	OFF
*VOLUME DENSITY CONTROLS									
^ WHEN IMPLEMENTING FYA, A MINIMUM 3 SEC. DELAY SHALL BE PROGRAMMED PER FYA PHASE.									

PHASING DIAGRAM





TRAFFIC SIGNAL DETECTOR CHART (TEM FORM 496-4)

DETECTION ZONE	MOVEMENT	PULSE OR PRESENCE	ASSOCIATED PHASE	DELAY PROGRAMMED IN CONTROLLER (SEC.)	EXTENSION PROGRAMMED IN CONTROLLER (SEC.)	DETECTOR NO.	PURPOSE	DETECTION ZONE LENGTH (FT)
D2A	SB	PRESENCE	5	0	3	1	STOP-LINE	20
D2B	SB	PRESENCE	2	0	2	2	ADVANCED DETECTION	200
D4A	WB	PRESENCE	4	0	3	3	STOP-LINE	20
D4B	WB	PRESENCE	4	0	2	4	ADVANCED DETECTION	200
D6A	NB	PRESENCE	1	0	3	5	STOP-LINE	20
D6B	NB	PRESENCE	6	0	2	6	ADVANCED DETECTION	200
D8A	EB	PRESENCE	8	0	3	7	STOP-LINE	20
D8B	EB	PRESENCE	8	0	2	8	ADVANCED DETECTION	200

NOTE:

SET-UP D2A TO DETECT THE LEFT TURNING VEHICLES.
PHASE 5 IS AN INACTIVE PHASE AT THE MOMENT.
FOR DETECTOR ORIENTATION REFER TO MAST ARM TABLE.

TRAFFIC SIGNAL TIMING AND PHASING

DESIGN AGENCY
HNTB

DESIGNER ST
REVIEWER TB 07/25/24
PROJECT ID 1901
SHEET P.120 TOTAL P.157

DEL-CR10-5.60

MODEL: Unnamed Plan - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:15:32 AM USER: asingleton
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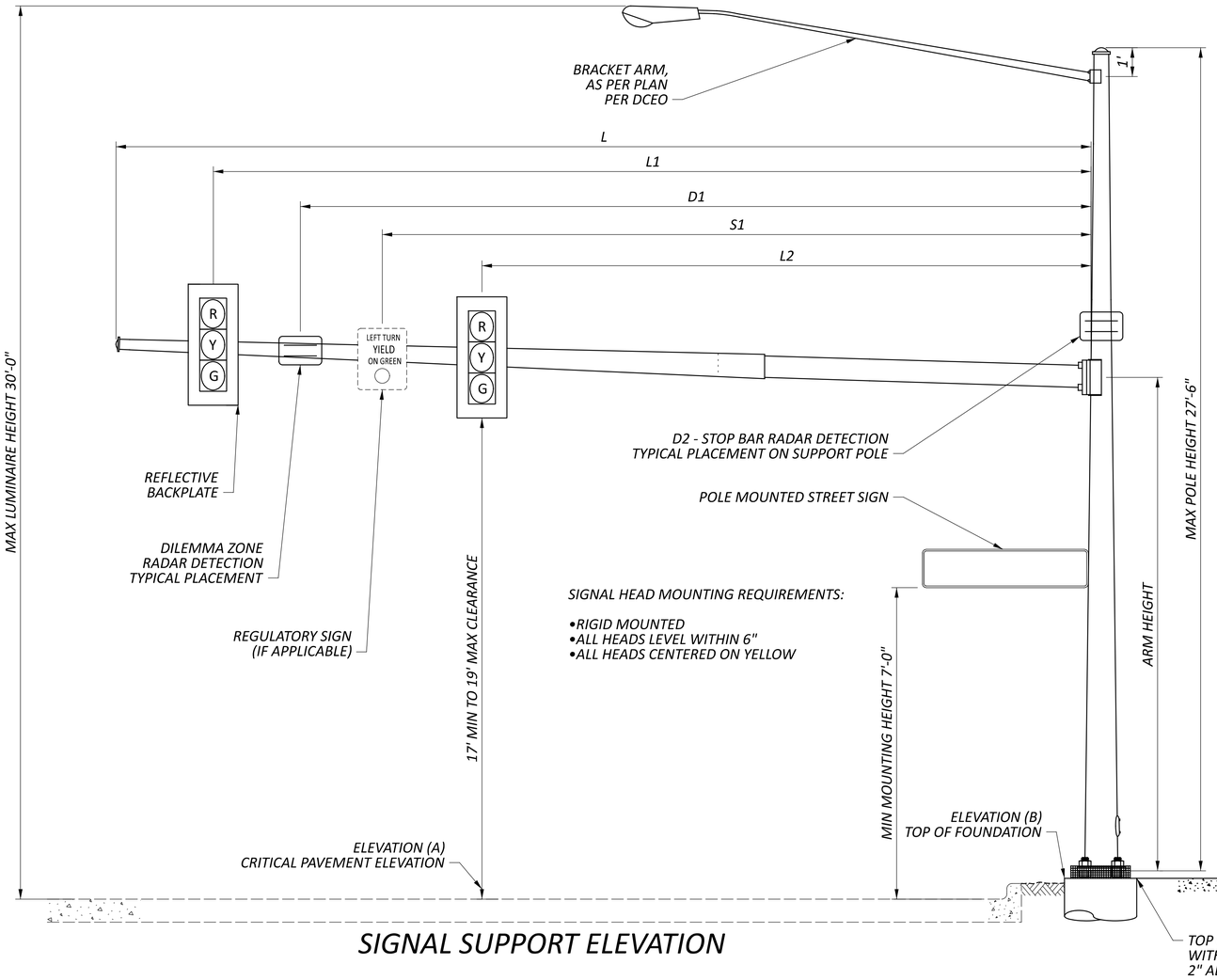
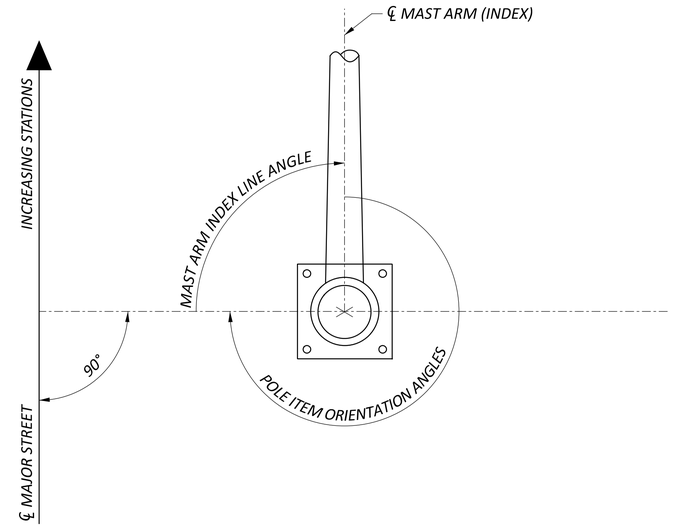


SIGNAL SUPPORT ELEVATION



NOTE:
1. ALL ANGLES ARE MEASURED CLOCKWISE

POLE ORIENTATION

NOTE:
1. D1 ARE USED FOR DISTANCE TO DETECTION UNIT
2. X IS THE LENGTH OF A BRACKET ARM

MAST ARM TABLE

SUPPORT NO.	STATION	OFFSET	ELEVATION		SIGNAL SUPPORT DETAILS											INDEX LINE ANGLE	ORIENTATION ANGLES FROM MAST ARM		
			A (Pavt. Elev.)	B (Top of Found.)	DESIGN TYPE	DESIGN NO.	POLE HEIGHT	ARM HEIGHT	L	L1	L2	L3	D1	S1	X	MAST ARM ANGLE	BRACKET ARM	HANDHOLE	STREET SIGN
							FT	FT	FT	FT	FT	FT	FT	FT	FT	DEG	DEG	DEG	DEG
SP-1	100+55.49	37.8' RT	933.61	931.88	TC-81.22	4	27.0	22	38	35	27	19	23	31	18	0	0	180	-
SP-2	99+68.45	50.0' RT	932.78	931.92	TC-81.22	2	25.0	20	32	29	19	-	24	-	18	80	0	180	270
SP-3	99+21.12	56.2' LT	932.88	931.94	TC-81.22	12	25.0	20	48	45	35	-	40	-	18	0	0	180	-
SP-4	100+23.39	54.7' LT	933.60	932.21	TC-81.22	2	27.0	22	32	29	19	-	24	-	18	80	0	180	0

DEL-CR10-5.60

MODEL: Unnamed Plan - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:15:48 AM USER: asingleton
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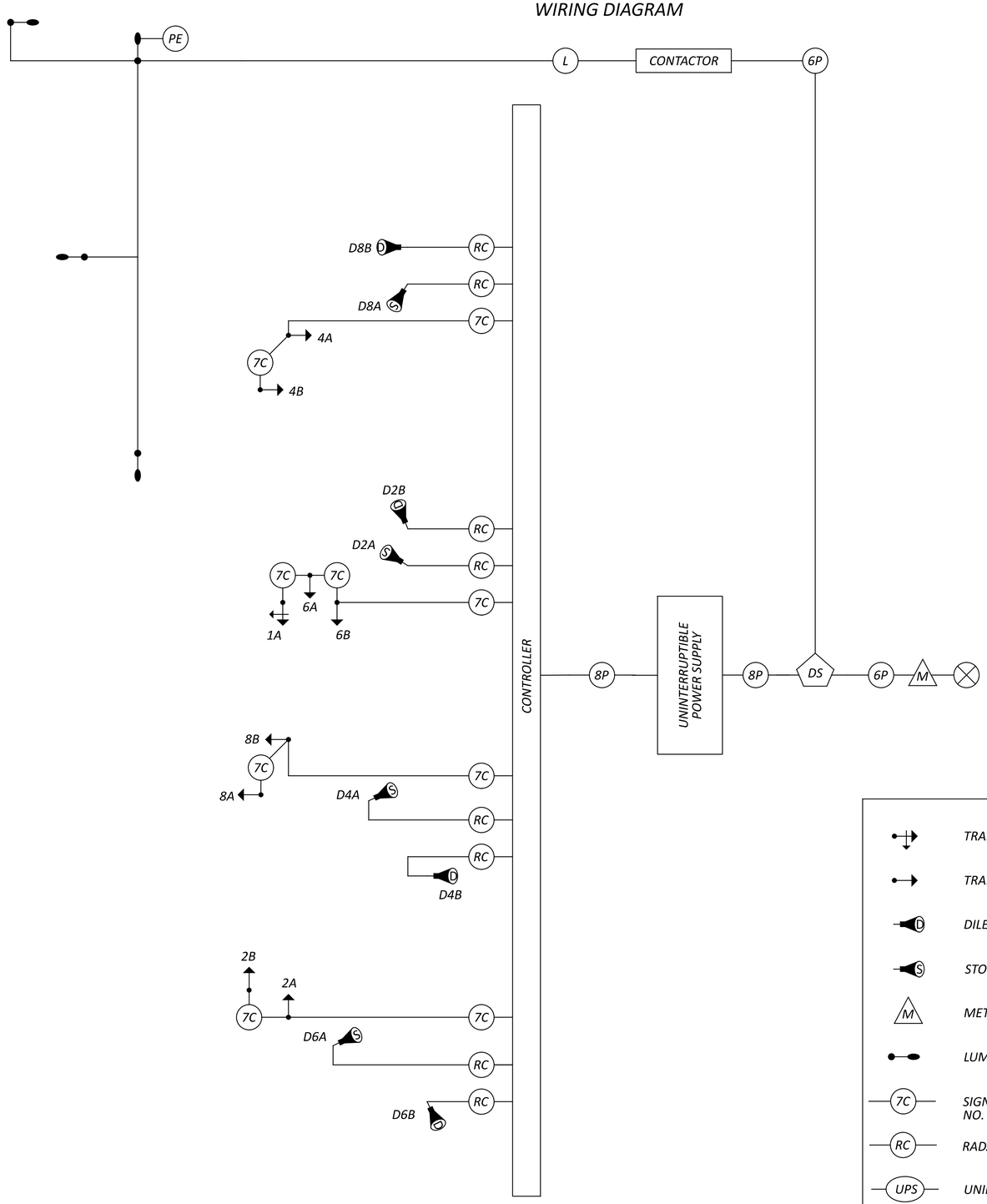
TRAFFIC SIGNAL DETAIL

DESIGN AGENCY
HNTB

DESIGNER ST
REVIEWER TB 07/25/24
PROJECT ID 1901
SHEET P.121 TOTAL P.157

WIRING DIAGRAM



FIELD WIRING HOOKUP CHART (TEM FORM 496-16)

SIGNAL HEAD	INDICATION	FIELD TERMINAL	FLASH
1A	R	Φ1 R	Y
	<--Y---	Φ1 Y	
	<--G---	Φ1 G	
(NB LT)	-	-	
	-	-	
2A&2B	R	Φ2 R	Y
	Y	Φ2 Y	
	G	Φ2 Y	
(SB)	-	-	
	-	-	
PEDESTRIAN MOVEMENTS			
-	-	-	-
-	-		
-	-	-	-
-	-	-	
-	-	-	-
-	-	-	
LS = LOAD SWITCH			

SIGNAL HEAD	INDICATION	FIELD TERMINAL	FLASH
4A&4B	R	Φ4 R	R
	Y	Φ4 Y	
	G	Φ4 G	
(WB)	-	-	
	-	-	
6A&6B	R	Φ6 R	Y
	Y	Φ6 Y	
(NB)	G	Φ6 G	
8A&8B	R	Φ8 R	R
	Y	Φ8 Y	
	G	Φ8 G	
(EB)	-	-	
	-	-	
OVERLAPS			
-	-	-	-
	-	-	
-	-	-	-
	-	-	

LEGEND

- TRAFFIC SIGNAL, 5 UNIT HEAD, 12"
- TRAFFIC SIGNAL, 3 UNIT HEAD 12"
- DILEMMA ZONE RADAR DETECTION UNIT
- STOP LINE RADAR DETECTION UNIT
- METER
- LUMINAIRE, CONVENTIONAL
- 7C — SIGNAL CABLE, 7 CONDUCTOR, NO. 20 AWG
- RC — RADAR DETECTION CABLE
- UPS — UNINTERRUPTIBLE POWER SUPPLY CABLE
- DS — DISCONNECT SWITCH
- 6P — 3/C #6 AWG
- 8P — 3/C #8 AWG
- L — DIST. CABLE #8 AWG (2-WIRE)
- PE — PHOTOELECTRIC CELL
- POWER SOURCE

DEL-CR10-5.60

MODEL: Unnamed Plan - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/9/2025 TIME: 9:16:05 AM USER: asingleton
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TRAFFIC SIGNAL WIRING DIAGRAM

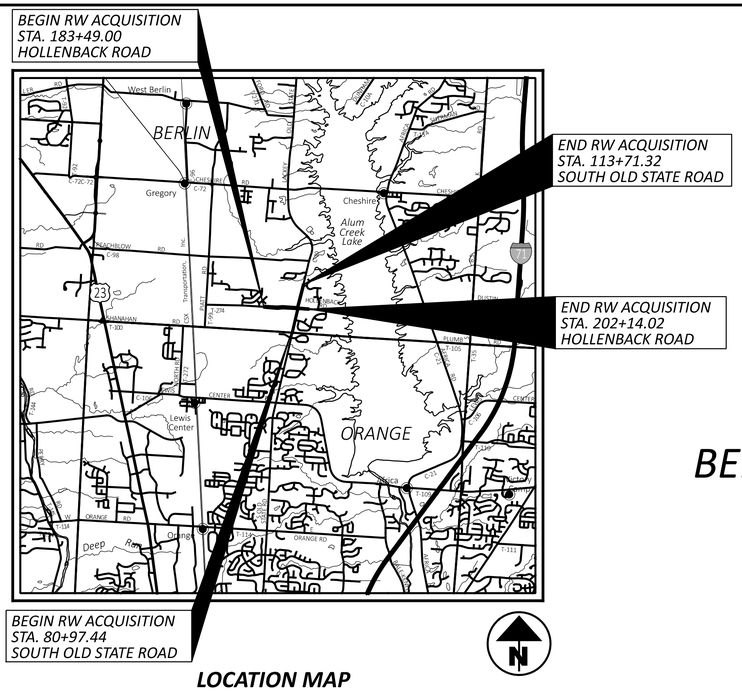
DESIGN AGENCY

DESIGNER ST

REVIEWER TB 12/30/24

PROJECT ID 1901

SHEET P.122 TOTAL P.157



LOCATION MAP

LATITUDE: 40°12'59" LONGITUDE: 82°59'05"

RIGHT OF WAY LEGEND SHEET DEL-CR10-5.60

DELAWARE COUNTY

BERLIN TOWNSHIP & ORANGE TOWNSHIP

R-18, T-3, SEC. 1, FARM LOT 1

R-18, T-4, SEC. 3, FARM LOTS 1 & 2

R-18, T-4, SEC. 4, FARM LOTS 1 & 2

UNITED STATES MILITARY LANDS

PROJECT DESCRIPTION

THE DEL-CR10-5.60 PROJECT WILL CONSTRUCT A SIGNAL WITH LEFT AND RIGHT TURN LANES AT THE INTERSECTION OF SOUTH OLD STATE ROAD (C.R. 10) AND HOLLENBACK ROAD (T.R. 274), WIDEN HOLLENBACK ROAD TO A 3-LANE SECTION BEGINNING ABOUT 1/4 MILE WEST OF SOUTH OLD STATE ROAD. THE PROJECT WILL INCLUDE DRAINAGE SYSTEM ADJUSTMENTS, NEW INTERSECTION LIGHTING AND TRAFFIC CONTROL ALONG THE CORRIDORS.

INDEX OF SHEETS:

TITLE SHEET	1
CENTERLINE PLAT	2
PROPERTY MAP	3
SUMMARY OF ADDITIONAL R/W	4,5,6,7
BOUNDARY SHEETS	8,10,12,14,16,18,20,22
	24,26,28,30,32,34
TOPO SHEETS	9,11,13,15,17,19,21,23
	25,27,29,31,33,35

UTILITIES

CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT

SANITARY: DELAWARE COUNTY SANITARY ENGINEERS
50 CHANNING STREET
DELAWARE, OH 43015
CONTACT: KELLY THIEL
TELEPHONE: 740-833-2240
EMAIL: kthiel@co.delaware.oh.us

WATER: DEL-CO WATER COMPANY, INC.
6658 OLENTANGY RIVER ROAD
DELAWARE, OH 43015
CONTACT: DAVE WOLF
TELEPHONE: 740-201-0130
EMAIL: dwolf@delcowater.com

ELECTRIC: AMERICAN ELECTRIC POWER (DISTRIBUTION)
850 TECH CENTER DRIVE
GAHANNA, OH 43230
CONTACT: ROD SLONEKER
TELEPHONE: 614-883-6817
EMAIL: risloneker@aep.com

AMERICAN ELECTRIC POWER (TRANSMISSION)
700 MORRISON ROAD
GAHANNA, OH 43230
CONTACT: MICHAEL CARR
TELEPHONE: 614-552-1893
EMAIL: tl_publicprojects@aep.com

CONSOLIDATED ELECTRIC COOPERATIVE, INC.
5255 STATE ROUTE 95
PO BOX 111
MT. GILEAD, OH 43338
CONTACT: TIM APPLEGATE
TELEPHONE: 419-947-3055
OR 1-800-421-5863
EMAIL: tapplegate@conelec.com

GAS: SUBURBAN NATURAL GAS, INC.
2626 LEWIS CENTER ROAD
LEWIS CENTER, OH 43035
CONTACT: AARON ROLL
TELEPHONE: 740-548-2450
EMAIL: aroll@sngco.com

COLUMBIA GAS OF OHIO
3550 JOHNNY APPLESEED COURT
COLUMBUS, OH 43231
CONTACT: ROB CALDWELL
TELEPHONE: 614-818-2104
EMAIL: columbiagas_columbuseng@nicource.com
COPY: rcaldwell@nisource.com

TELEPHONE AND CABLE: AT&T
c/o THAYER POWER AND COMMUNICATION LINE CONSTRUCTION CO., LLC
950 FREEWAY DRIVE N.
COLUMBUS, OH 43229
CONTACT: CHRISTOPHER MCCLOSKY
TELEPHONE: 614-431-9292
EMAIL: cmccloskey@hlgengineering.com

FRONTIER COMMUNICATIONS
1300 COLUMBUS SANDUSKY ROAD
MARION, OH 43302
CONTACT: CHRIS AVERY
TELEPHONE: 740-383-0551
EMAIL: ira.avery@ftr.com

CHARTER COMMUNICATIONS AKA TIME WARNER COMMUNICATIONS/INSIGHT
3760 INTERCHANGE ROAD
COLUMBUS, OHIO 43204
CONTACT: JEFFREY WHATLEY
TELEPHONE: 614-255-0855
EMAIL: jeffrey.whatley1@charter.com

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)

STRUCTURE KEY

RESIDENTIAL

COMMERCIAL

OUT-BUILDING

CONVENTIONAL SYMBOLS

County Line
Township Line
Section Line
Corporation Line or
Fence Line (Ex) (Pr)
Center Line
Right of Way (Ex) Ex R/W
Right of Way (Pr) R/W
Standard Highway Ease.(Ex) Ex SH
Standard Highway Ease.(Pr) SH
Temporary Right of Way TMP
Channel Ease. (Pr) CH
Utility Ease. (Ex) Ex U
Railroad or
Guardrail (Ex) (Pr)
Construction Limits
Edge of Pavement (Ex)
Edge of Pavement (Pr)

Edge of Shoulder (Ex)
Edge of Shoulder (Pr)
Ditch / Creek (Ex)
Ditch / Creek (Pr)
Tree Line (Ex)
Ownership Hook Symbol , Example
Property Line Symbol , Example
Break Line Symbol , Example
Tree (Pr) Tree (Ex) Shrub (Ex)
Tree (Remove) , Shrub (Remove)
Evergreen (Ex) , Stump
Evergreen (Remove) , Stump (Remove)
Wetland (Pr) , Grass (Pr) , Aerial Target
Post (Ex) , Mailbox (Ex) MB , Mailbox (Pr) MB
Light (Ex) , Telephone Marker (Ex) TEL
Fire Hydrant (Ex) , Water Meter (Ex) W
Water Valve (Ex) , Utility Valve Unknown (Ex.)
Telephone Pole (Ex) , Power Pole (Ex)
Light Pole (Ex)

TYPES OF TITLE LEGEND:
SH = STANDARD HIGHWAY EASEMENT
T = TEMPORARY EASEMENT

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

I, Daniel L. Quick, P.S. have conducted a survey of the existing conditions for the Delaware County Engineer's Office between March, 2023 and June, 2024. The results of that survey are contained herein. See the Survey Parameters note affixed to these plans for the horizontal and vertical survey parameters used for this project. As a part of this project, I have reestablished the locations of the existing boundary lines, the existing center line of Right of Way and the existing Right of Way limits as necessary for the property takes contained herein. I, David R. Himmelman, P.S. have established the proposed boundary lines, calculated the Gross Take, present road occupied (PRO), Net Take and Net Residue herein. All of our work contained herein was conducted in accordance with the Ohio Administrative Code Chapter 4733-37 Standards for Boundary Surveys unless so noted. The words "I and my" as used herein are to mean that either myself or someone working under my direct supervision.

Daniel L. Quick P.S. 7803 Date December 13, 2024

David R. Himmelman P.S. 8862 Date December 13, 2024

PLANS PREPARED BY:

FIRM NAME : KORDA/NEMETH ENGINEERING, INC.
R/W DESIGNER: DANIEL L. QUICK
R/W REVIEWER: DANIEL L. QUICK
FIELD REVIEWER: DANIEL L. QUICK
PRELIMINARY FIELD REVIEW DATE: 7/11/24
OWNERSHIP UPDATED BY: DAVID R. HIMMELMAN
DATE COMPLETED: 12/10/2024
FIELD REVIEWER: COLLINS HUITGER
FINAL FIELD REVIEW DATE: 12/12/2024
FINAL R/W PLAN DATE: 12/13/2024

SURVEYORS SEAL

STATE OF OHIO DANIEL L. QUICK 7803 REGISTERED PROFESSIONAL SURVEYOR

SURVEYORS SEAL

STATE OF OHIO DAVID R. HIMMELMAN S-8862 REGISTERED PROFESSIONAL SURVEYOR

RIGHT OF WAY LEGEND SHEET

DESIGN AGENCY
KORDA
KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200, Columbus, OH 43215

DESIGNER DRH
REVIEWER TWM 12/13/24
PROJECT ID 1901
SUBSET RW.1 TOTAL RW. 35

DEL-CR10-5.60

MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:28:54 AM USER: dhimmelman
H:\Projects\2022_2022 Surveying\2022-7435 DEL-CR10-5.60 South Old State and Hollenback Road\1901\400-Engineering\RW\Sheets\1901_RL001.dgn

NOTE: *THE EXISTING R/W WIDTH AND LOCATION WERE DETERMINED USING THE FOLLOWING RECORDED DOCUMENTS.*

PLAT CABINET 3, SLIDE 625
PLAT CABINET 1, SLIDE 311-311C
ROAD RECORD 147, PAGE 1820
PLAT CABINET 1, SLIDE 411-411A
PLAT CABINET 2, SLIDE 95-95B
PLAT CABINET 5, SLIDE 649-649M
PLAT CANINET 4, SLIDE 39-39B
PLAT CABINET 2, SLIDE 317
OFFICIAL RECORD 24, PAGE 47
PLAT CABINET 1, SLIDE 315
OFFICIAL RECORD 71, PAGE 1496
OFFICIAL RECORD 228, PAGE 2005

CENTERLINE PLAT
DEL-CR10-5.60
DELAWARE COUNTY
BERLIN TOWNSHIP
ORANGE TOWNSHIP
R-18, T-3, SEC. 1, FARM LOT 1
R-18, T-4, SEC. 3, FARM LOTS 1 & 2
R-18, T-4, SEC. 4, FARM LOTS 1, 2 & 3
UNITED STATES MILITARY LANDS

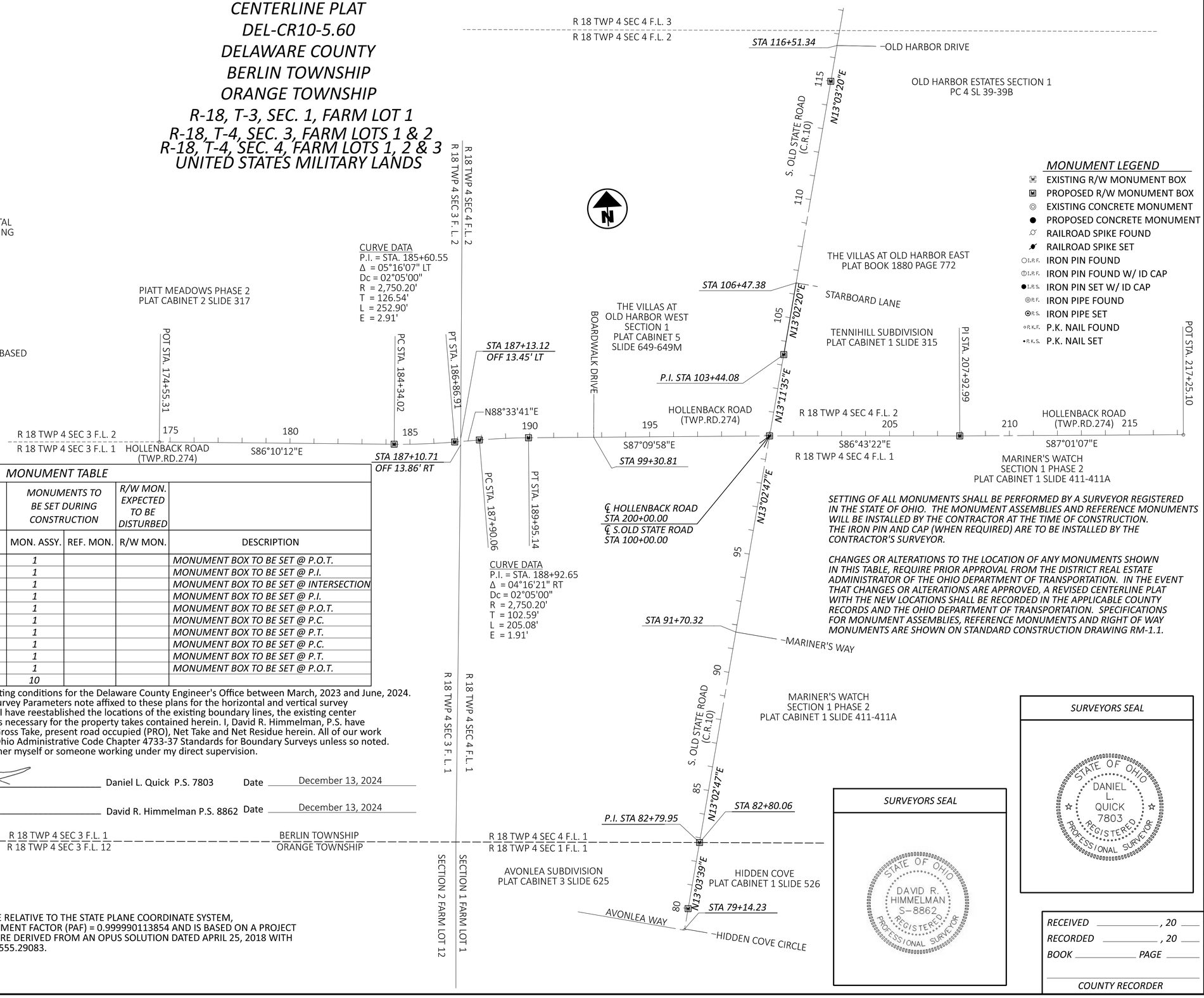
SURVEY PARAMETERS:

THE FOLLOWING VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS WERE USED FOR ALL SURVEYING ON THIS PROJECT:

POSITIONING METHOD: STATIC GNSS
MONUMENT TYPE: TYPE B

VERTICAL POSITIONING: NAVD88
GEOID: 2018

HORIZONTAL POSITIONING
REFERENCE FRAME: NAD83(2011)
ELLIPSOID: GRS80
GRID TO GROUND MULTIPLIER (1/CSF): **0.999990113854** BASED ON CENTROID POINT CONCRETE MONUMENT EF-6
N=199310.06795, E=1827555.29083
COORDINATE SYSTEM: OHIO STATE PLANE NORTH
PROJECTION: LAMBERT CONFORMAL
CENTRAL LATITUDE: N38° 44' 35"
CENTRAL LONGITUDE: E83° 50' 40"
UNITS ARE IN U.S. SURVEY FEET



MONUMENT LEGEND

- EXISTING R/W MONUMENT BOX
- PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- RAILROAD SPIKE FOUND
- RAILROAD SPIKE SET
- I.R.F. IRON PIN FOUND
- I.R.F. IRON PIN FOUND W/ ID CAP
- I.R.S. IRON PIN SET W/ ID CAP
- P.F. IRON PIPE FOUND
- P.S. IRON PIPE SET
- P.K.F. P.K. NAIL FOUND
- P.K.S. P.K. NAIL SET

HORIZONTAL SCALE IN FEET: 0, 50, 100, 200

MONUMENT TABLE

℄ of CO.RD 10 & TWP.RD. 274		PROJECT COORDINATES SEE SURVEY CERTIFICATION		MONUMENTS TO BE SET DURING CONSTRUCTION	R/W MON. EXPECTED TO BE DISTURBED		
STATION	OFFSET	NORTH (Y)	EAST (X)	MON. ASSY.	REF. MON.	R/W MON.	DESCRIPTION
80+00.00	*0.00*	*198737.48*	*1832704.94*	*1*			*MONUMENT BOX TO BE SET @ P.O.T.*
82+79.95	*0.00*	*199010.19*	*1832768.20*	*1*			*MONUMENT BOX TO BE SET @ P.I.*
100+00.00	*0.00*	*200685.84*	*1833156.49*	*1*			*MONUMENT BOX TO BE SET @ INTERSECTION*
103+44.08	*0.00*	*201020.84*	*1833235.02*	*1*			*MONUMENT BOX TO BE SET @ P.I.*
115+00.00	*0.00*	*202146.88*	*1833496.13*	*1*			*MONUMENT BOX TO BE SET @ P.O.T.*
184+34.02	*0.00*	*200740.70*	*1831591.97*	*1*			*MONUMENT BOX TO BE SET @ P.C.*
186+86.91	*0.00*	*200735.43*	*1831844.72*	*1*			*MONUMENT BOX TO BE SET @ P.T.*
187+90.06	*0.00*	*200738.02*	*1831947.84*	*1*			*MONUMENT BOX TO BE SET @ P.C.*
189+95.14	*0.00*	*200735.52*	*1832152.86*	*1*			*MONUMENT BOX TO BE SET @ P.T.*
207+92.99	*0.00*	*200735.43*	*1831844.72*	*1*			*MONUMENT BOX TO BE SET @ P.O.T.*
TOTAL CARRIED TO GENERAL SUMMARY SHEET				*10*			

SETTING OF ALL MONUMENTS SHALL BE PERFORMED BY A SURVEYOR REGISTERED IN THE STATE OF OHIO. THE MONUMENT ASSEMBLIES AND REFERENCE MONUMENTS WILL BE INSTALLED BY THE CONTRACTOR AT THE TIME OF CONSTRUCTION. THE IRON PIN AND CAP (WHEN REQUIRED) ARE TO BE INSTALLED BY THE CONTRACTOR'S SURVEYOR.

CHANGES OR ALTERATIONS TO THE LOCATION OF ANY MONUMENTS SHOWN IN THIS TABLE, REQUIRE PRIOR APPROVAL FROM THE DISTRICT REAL ESTATE ADMINISTRATOR OF THE OHIO DEPARTMENT OF TRANSPORTATION. IN THE EVENT THAT CHANGES OR ALTERATIONS ARE APPROVED, A REVISED CENTERLINE PLAT WITH THE NEW LOCATIONS SHALL BE RECORDED IN THE APPLICABLE COUNTY RECORDS AND THE OHIO DEPARTMENT OF TRANSPORTATION. SPECIFICATIONS FOR MONUMENT ASSEMBLIES, REFERENCE MONUMENTS AND RIGHT OF WAY MONUMENTS ARE SHOWN ON STANDARD CONSTRUCTION DRAWING RM-1.1.

I, Daniel L. Quick, P.S. have conducted a survey of the existing conditions for the Delaware County Engineer's Office between March, 2023 and June, 2024. The results of that survey are contained herein. See the Survey Parameters note affixed to these plans for the horizontal and vertical survey parameters used for this project. As a part of this project, I have reestablished the locations of the existing boundary lines, the existing center line of Right of Way and the existing Right of Way limits as necessary for the property takes contained herein. I, David R. Himmelman, P.S. have established the proposed boundary lines, calculated the Gross Take, present road occupied (PRO), Net Take and Net Residue herein. All of our work contained herein was conducted in accordance with the Ohio Administrative Code Chapter 4733-37 Standards for Boundary Surveys unless so noted. The words "I and my" as used herein are to mean that either myself or someone working under my direct supervision.

Daniel L. Quick P.S. 7803 Date December 13, 2024

David R. Himmelman P.S. 8862 Date December 13, 2024

SURVEYORS SEAL

STATE OF OHIO
DANIEL L. QUICK
7803
REGISTERED PROFESSIONAL SURVEYOR

SURVEYORS SEAL

STATE OF OHIO
DAVID R. HIMMELMAN
S-8862
REGISTERED PROFESSIONAL SURVEYOR

BASIS FOR BEARINGS:

THE PROJECT (GROUND LEVEL) COORDINATE VALUES ARE RELATIVE TO THE STATE PLANE COORDINATE SYSTEM, OHIO NORTH ZONE, NAD83 (2011) BY A PROJECT ADJUSTMENT FACTOR (PAF) = 0.999990113854 AND IS BASED ON A PROJECT CENTROID MONUMENT (EF-6) WHICH COORDINATES WERE DERIVED FROM AN OPUS SOLUTION DATED APRIL 25, 2018 WITH COORDINATE VALUES OF N= 199310.06795 AND E= 1827555.29083.

RECEIVED _____, 20 ____
RECORDED _____, 20 ____
BOOK _____ *PAGE* _____

COUNTY RECORDER

DESIGN AGENCY
KORDA
KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200, Columbus, OH 43215

DESIGNER	REVIEWER
DRH	TWM 12/13/24

PROJECT ID: 1901

SUBSET	TOTAL
RW.2	RW. 35

DEL-CR10-5.60

MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:28:59 AM USER: dhimmelman
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PROPERTY MAP
DEL-CR10-5.60
DELAWARE COUNTY
BERLIN TOWNSHIP
ORANGE TOWNSHIP
R-18, T-3, SEC. 1, FARM LOT 1
R-18, T-4, SEC. 3, FARM LOTS 1 & 2
R-18, T-4, SEC. 4, FARM LOTS 1 & 2
UNITED STATES MILITARY LANDS

HORIZONTAL SCALE IN FEET
0 100 200 400

10 CHARLENE M. CRISP AND CHARLIE J. CRISP
3169 AVONLEA WAY
PID:31812018001000
0.744 AC

11 JOSEPH P. JURASKO AND MARY M. JURASKO
3295 HIDDEN COVE CIRCLE
PID:31812011031000
0.650 AC

12 TRENT MATTHEW TAYLOR AND ROBYN J. TAYLOR
4730 SOUTH OLD STATE ROAD
PID:31812001002000
1.020 AC

13 ANASTASIYA DEMENKO AND VLADIMIR DEMNKO AND YELENA ILYIN AND IGOR ILYIN
4707 SOUTH OLD STATE ROAD
PID:31812001001000
1.170 AC

15 MICHAEL B. OTTEN AND PAMELA L. COLDIRON
3442 WEST BAY CIRCLE
PID:41843307007000
0.988 AC

16 ERIC A. BOWERS AND LISA A. BOWERS
3432 WEST BAY CIRCLE
PID:41843307006000
0.786 AC

17 TIMOTHY M. SHOCKCOR AND MELISSA K. SHOCKCOR
3424 WEST BAY CIRCLE
PID:41843307005000
0.559 AC

19 AMERICAN HOMES 4 RENT PROPERTIES FOUR, LLC
A DELAWARE LIMITED LIABILITY COMPANY
3418 WEST BAY CIRCLE
PID:41843307004000
0.469 AC

20 JAMES D. CLOUSER AND CHERYL R. COBB-ZERANGUE
3412 WEST BAY CIRCLE
PID:41843307003000
0.349 AC

21 BRYON RETHLAKE AND STACY RETHLAKE
3406 WEST BAY CIRCLE
PID:41843307002000
0.349 AC

22 PAUL L. PARKER
3400 WEST BAY CIRCLE
PID:41843307001000
0.688 AC

23 DOUGLAS M. LAURIA AND KELLY B. LAURIA
3393 MARINER'S WATCH
PID:4184330500100
0.683 AC

26 PANHANDLE ROAD, LTD., AN OHIO LIMITED LIABILITY COMPANY
3534 HOLLENBACK ROAD
PID:41843304002000
1.900 AC

27 AMANDA L. KLEIN AND ALFRED A. KLEIN
4324 OLD SOUTH STATE ROAD
PID:41843302004000
2.000 AC
PID:41843302005001
0.280 AC

28 JOHN J. MCCAMBRIDGE
4295 SOUTH OLD STATE ROAD
PID:41843301005000
3.120 AC

29 3 PILLAR HOMES VILLAS AT OLD HARBOR WEST, LLC, AN OHIO LIMITED LIABILITY COMPANY
SANDBAR DRIVE
PID:41843302005002
1.646 AC
PID:41843313001000
1.227 AC
PID:41843311013000
1.553 AC
PID:41843311019000
3.118 AC
PID:41843311014000
1.403 AC

PIATT MEADOWS PHASE 2
PLAT CABINET 2 SLIDE 317

SECTION 3 FARM LOT 2
SECTION 3 FARM LOT 1

BEGIN RW ACQUISITION
STA. 183+49.00
HOLLENBACK ROAD

56 DEL-CO WATER COMPANY, INC.
HOLLENBACK ROAD
PID:41834001061001
0.646 AC
PID:41843303001001
0.115 AC

14 BAVELIS ZENIOS DEVELOPMENT LLC
HOLLENBACK ROAD
PID:41834001062002
12.710 AC

R 18 TWP 4 SEC 3 F. L. 2
R 18 TWP 4 SEC 4 F.L. 2
R 18 TWP 4 SEC 3 F. L. 1
R 18 TWP 4 SEC 4 F.L. 1

SECTION 3 FARM LOT 1
SECTION 2 FARM LOT 12
BERLIN TOWNSHIP
ORANGE TOWNSHIP
SECTION 2 FARM LOT 1
SECTION 1 FARM LOT 1

30 ROMANELLI AND HUGHES BUILDING COMPANY
SOUTH OLD STATE RD.
PID:41843308005000
3.594 AC
PID:41843309008000
2.501 AC

31 VERA VISTA, LLC, AN OHIO LIMITED LIABILITY COMPANY
4180 SOUTH OLD STATE RD.
PID:41843302003002
2.453 AC

32 KYLE S. REINKE AND NAOMI R. REINEKE
4139 SOUTH OLD STATE RD.
PID:41843301003000
1.110 AC

33 FUN ON OLD STATE LLC, A OHIO LIMITED LIABILITY COMPANY
4088 SOUTH OLD STATE RD.
PID:41843302002000
3.279 AC

34 SCOTT A. GERMAN
4127 SOUTH OLD STATE RD.
PID:41843301002000
1.870 AC

39 DONALD A. SCHULZ & ANITA K. SCHULZ
3956 SOUTH OLD STATE RD.
PID:41843001025000
5.000 AC

END RW ACQUISITION
STA. 113+71.32
SOUTH OLD STATE ROAD

38 TAYLOR LAND LLC
4006 SOUTH OLD STATE RD.
PID:41843001026000
15.527 AC

OLD HARBOR ESTATES SEC.1
PC 4 SL 39-39B

OLD HARBOR DR.

35 APRIL LYNN BAGLEY
4074 SOUTH OLD STATE RD.
PID:41843302001000
1.000 AC

36 OLD HARBOR ESTATES LLC
3956 SOUTH OLD STATE RD.
PID:41843006003000
1.416 AC

37 VCR HOUSE LLC
4040 SOUTH OLD STATE RD.
PID:41843001027000
1.093 AC

40 FLOAT SIENNA TRUSTEE
3956 SOUTH OLD STATE RD.
PID:41843006002000
0.404 AC

41 NATHANIEL WILLIAM JOHNSON
3956 SOUTH OLD STATE RD.
PID:41843006001000
0.425 AC

42 GEORGANN E. MAZZOLI TRUSTEE OF THE "JOYCE T. WINES FAMILY PRESERVATION TRUST DATED DECEMBER 28, 2022"
3956 SOUTH OLD STATE RD.
PID:41843005001000
0.530 AC

THE VILLAS AT OLD HARBOR EAST
PLAT BOOK 1880 PAGE 772

STARBOARD LANE

THE VILLAS AT OLD HARBOR WEST
SECTION 1
PC 5 SL 649-649M

BOARDWALK LOOP

END RW ACQUISITION
STA. 202+14.02
HOLLENBACK ROAD

TENNIHILL SUBDIVISION
PLAT CABINET 1 SLIDE 315

SEC. 4 F.L. 2
SEC. 4 F.L. 1

MARINER'S WATCH
SECTION 3
PC 2 SL 95-95B

57 JOHN C. COLLOPY AND JACLYN M. COLLOPY
3531 HOLLENBACK ROAD
PID:41843301006000
1.000 AC

58 NICHOLAS ROTHENBERGER AND HEATHER W. ROTHENBERGER
3575 HOLLENBACK ROAD
PID:41843301007000
1.047 AC

59 CHRISTINA J. DILLON
3601 HOLLENBACK ROAD
PID:41843301008000
1.235 AC

60 ANTHONY M. CONDO
3758 HOLLENBACK ROAD
PID:41843305039000
0.617 AC

61 VICTOR D. SCHAMBRE AND RENEE M. SCHAMBRE
3639 HOLLENBACK ROAD
PID:41843301009000
1.372 AC

24 OLD STATE FARM LLC
4594 SOUTH OLD STATE ROAD
PID:41834001061000
37.288 AC

25 MARINERS WATCH HOMEOWNERS ASSOCIATION
SOUTH OLD STATE RD.
PID:41843305021000
9.822 AC

MARINER'S WAY

18 WAYNE E. PIATT, TRUSTEE
4600 SOUTH OLD STATE ROAD
PID:41843303001002
5.297 AC

51 DALLAS W. DURST AND MONIQUE R. DURST
2977 WYSE COURT
PID:41834002008000
0.558 AC

52 PIATT MEADOWS HOMEOWNERS ASSOCIATION INC.
HOLLENBACK ROAD
PID:41834001060001
3.149 AC

53 DAVID D. HEDGES AND JUDITH E. HEDGES
3049 HOLLENBACK ROAD
PID:41834001064000
2.689 AC

54 JAMES P. GUNDLING AND LYNDA S. GUNDLING
3089 HOLLENBACK ROAD
PID:41834001066002
7.548 AC

55 CHASETEK LLC
HOLLENBACK ROAD
PID:41834001066001
1.469 AC

56 DEL-CO WATER COMPANY, INC.
HOLLENBACK ROAD
PID:41834001061001
0.646 AC
PID:41843303001001
0.115 AC

AVONLEA SUBDIVISION
PLAT CABINET 3 SLIDE 625

AVONLEA WAY

BEGIN RW ACQUISITION
STA. 80+97.44
SOUTH OLD STATE ROAD

62 ADAM P. PETTAY
3762 HOLLENBACK ROAD
PID:41843305038000
0.867 AC

HIDDEN COVE CIRCLE
HIDDEN COVE PLAT CABINET 1 SLIDE 526

REV. BY	DATE	DESCRIPTION
DATE COMPLETED		

DESIGN AGENCY
KORDA
KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200, Columbus, OH 43215

DESIGNER DRH
REVIEWER TWM 12/13/24
PROJECT ID 1901
SUBSET RW.3 | TOTAL RW. 35

PROPERTY MAP

DEL-CR10-5.60

MODEL: Sheet_Surv1 PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:02 AM USER: dhimmelman
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TOTAL NUMBER OF :

29 OWNERSHIPS 0 TOTAL TAKES

57 PARCELS 0 OWNERSHIPS W/ STRUCTURES INVOLVED

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE
NET TAKE = GROSS TAKE - PRO IN TAKE
ALL AREAS IN ACRES

(c) = CALCULATED AREA

GRANTEE:

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF DELAWARE COUNTY COMMISSIONERS UNLESS OTHERWISE SHOWN.

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD BOOK	OWNERS RECORD PAGE	AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE LEFT	NET RESIDUE RIGHT	TYPE FUND	REMARKS
1-9	NOT USED														
10	CHARLENE M. CRISP & CHARLIE J. CRISP	8,9	OR 1242	1737	31812018001000	0.744	0.000								NO TAKE REQUIRED
11	JOSEPH P. JURASKO & MARY M. JURASKO	8,9	OR 1689	1529	31812011031000	0.650	0.000								NO TAKE REQUIRED
12-SH	TRENT MATTHEW TAYLOR & ROBYN J. TAYLOR	8-11	OR 1622	2346	31812001002000	0.950	0.100	0.066	0.000	0.066		0.784			+(10) 3" PINE TREES
13-T	ANASTASIYA DEMENKO AND VLADIMIR DEMNKO AND YELENA ILYIN AND IGOR ILYIN	8-11	OR 2110	2780	31812001001000	1.170	0.129	0.029	0.000	0.029					GRADING AND SEEDING
14-SH	BAVELIS ZENIOS DEVELOPMENT LLC	10,11	OR 2048	384	41834001062001	11.979	0.127	0.043	0.000	0.043		11.809			
			OR 2048	384	41834001062002	12.710	0.139(c)	0.000	0.000	0.000		12.571			
	TOTAL					24.689	0.266	0.043	0.000	0.043		24.380			GRADING AND SEEDING
14-T								0.022	0.000	0.022					GRADING AND SEEDING
15-SH	MICHAEL B. OTTEN & PAMELA L. COLDIRON	10,11	OR 620	217	41843307007000	0.988	0.000	0.016	0.000	0.016			0.972		
15-T								0.005	0.000	0.005					GRADING AND SEEDING
16-SH	ERIC A. BOWERS & LISA A. BOWERS	10,11	OR 589	212	41843307006000	0.786	0.000	0.043	0.000	0.043			0.743		
16-T								0.013	0.000	0.013					GRADING AND SEEDING
17-SH	TIMOTHY M. SHOCKCOR & MELISSA K. SHOCKCOR	10,11	OR 602	114	41843307005000	0.559	0.000	0.034	0.000	0.034			0.525		
17-T								0.023	0.000	0.023					GRADING AND SEEDING
18-SH	WAYNE E. PIATT TRUSTEE	10-13	OR 834	1853	41843303001002	5.297	0.206	0.069	0.000	0.069		5.022			+*WIRE FENCING (127.1 LF), +* WIRE FENCING (115.1 LF), +WIRE FENCING (12.1 LF)
18-T								0.069	0.000	0.069					GRADING AND SEEDING; DRIVEWAY RECONSTRUCTION, +(2) 8" TREES
19-SH	AMERICAN HOMES 4 RENT PROPERTIES FOUR LLC	10-13	OR 1227	2762	41843307004000	0.469	0.000	0.030	0.000	0.030			0.466		
19-T								0.029	0.000	0.029					GRADING AND SEEDING; +(4) BUSHES
20-SH	JAMES D. CLOUSER & CHERYL R. COBB-ZERANGUE	12,13	OR 1506	1635	41843307003000	0.349	0.000	0.018	0.000	0.018			0.331		+(1) 2" PINE, +(2) 3" PINE, +(1) 4" PINE;
20-T								0.013	0.000	0.013					GRADING AND SEEDING
21-SH	BYRON RETHLAKE & STACY RETHLAKE	12,13	OR 1416	2395	41843307002000	0.349	0.000	0.018	0.000	0.018			0.331		+(1) 2" PINE, +(1) 3" PINE, +(1) 4" PINE;
21-T								0.006	0.000	0.006					GRADING AND SEEDING
22-SH	PAUL L. PARKER, TRUSTEE UNDER THE PAUL L. PARKER TRUST AGREEMENT DATED THE 4TH DAY OF JANUARY, 2010	12,13	OR 951	2478	41843307001000	0.688	0.000	0.032	0.000	0.032			0.656		+(1) 2" PINE, +(2) 3" PINE, +(1) 7" TREE;
22-T								0.004	0.000	0.004					GRADING AND SEEDING
23-SH	DOUGLAS M. LAURIA & KELLY B. LAURIA	12-15	OR 903	2019	41843305001000	0.683	0.000	0.017	0.000	0.017			0.666		
23-T								0.012	0.000	0.012					GRADING AND SEEDING

TYPES OF TITLE LEGEND:
SH = STANDARD HIGHEAY EASEMENT
T = TEMPORARY EASEMENT

NOTE: ALL TEMPORARY PARCELS TO BE OF 24 MONTH DURATION.

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

+ DENOTES REMOVAL ITEMS SEE CORRESPONDING RIGHT OF WAY PLAN SHEET FOR DESCRIPTION

* DENOTES RIGHT OF WAY ENCROACHMENT

REV. BY	DATE	DESCRIPTION

FIELD REVIEW BY COLLINS HUITGER DATE: 12/12/24

OWNERSHIP VERIFIED BY DAVID HIMMELMAN DATE: 12/11/24

DATE COMPLETED DECEMBER 13, 2024

SUMMARY OF ADDITIONAL RIGHT OF WAY

DESIGN AGENCY
KORDA
KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200, Columbus, OH 43215

DESIGNER DRH

REVIEWER TWM 12/13/24

PROJECT ID 1901

SUBSET RW.4 TOTAL RW. 35

DEL-CR10-5.60

MODEL: Sheet_Survft PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:03 AM USER: dhimmelman
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TOTAL NUMBER OF :

29 OWNERSHIPS 0 TOTAL TAKES

57 PARCELS 0 OWNERSHIPS W/ STRUCTURES INVOLVED

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE
NET TAKE = GROSS TAKE - PRO IN TAKE
ALL AREAS IN ACRES

(c) = CALCULATED AREA

GRANTEE:

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF
DELAWARE COUNTY COMMISSIONERS
UNLESS OTHERWISE SHOWN.

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD BOOK	OWNERS RECORD PAGE	AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE LEFT	NET RESIDUE RIGHT	TYPE FUND	REMARKS
24-SH	OLD STATE FARM LLC	12-17	OR 838	2678	41843303001000	32.169	1.682	0.395	0.000	0.395		30.092			ITEMS TO BE TAKEN AT THE TIME OF FUTURE RIGHT OF WAY DEDICATION, *WIRE FENCING
		24-33	OR 838	2678	41834001061000	35.966	1.221 (c)	0.000	0.000	0.000		34.745			(201.7 LF), *WIRE FENCING (170.8 LF), *(1) WOOD POST
			OR 838	2678	41834001062000	30.206	0.000	0.000	0.000	0.000		30.206			
	TOTAL					98.341	2.903 (c)	0.395	0.000	0.395		95.043			
25-SH	MARINERS WATCH HOMEOWNERS ASSOCIATION	14-17	OR 187	1635	41843305021000	9.822	0.000	0.053	0.000	0.053			9.769		*(1) 10" TREE
25-T								0.099	0.000	0.099					GRADING AND SEEDING, DRIVEWAY RECONSTRUCTION
26-SH	PANHANDLE ROAD, LTD.,	16,17	OR 228	2005	41843304001000	1.000	0.271	0.091	0.000	0.091			0.638		(1) 18" PINE; (1) 16" TREE; (2) BUSHES, (1) 36" STUMP, 4' WOOD FENCE(8.0 LF), 4' WOOD FENCE
		32-35			41843304002000	1.900	0.413	0.000	0.000	0.000			1.487		(15.9 LF), 4' WOOD FENCE (16.3 LF)
	TOTAL					2.900	0.684	0.091	0.000	0.091			2.125		
26-T					41843304001000			0.018	0.000	0.018					GRADING AND SEEDING
27-SH	AMANDA L. KLEIN & ALFRED A. KLEIN	16-19	OR 1755	2706	41843302004000	2.000	0.401	0.159	0.000	0.159		1.440			+(1) 14" PINE, +(2) 24" TREE, +(1) 30" TREE, *(1) 26" TREE, *BRICK LINED FLOWER BED(TBR)
		30-33			41843302005001	0.280	0.045	0.015	0.000	0.015		0.220			+(1) YARD LIGHT
	TOTAL					2.280	0.446	0.174	0.000	0.174		1.660			
27-T					41843302004000			0.049	0.000	0.049					GRADING AND SEEDING,(3) BUSHES
					41843302005001			0.010	0.000	0.010					
	TOTAL							0.050	0.000	0.050					
27-T1					41843302004000			0.012	0.000	0.012					GRADING AND SEEDING
28-SH	JOHN J. MCCAMBRIDGE	16-19	OR 1249	2043	41843301005000	3.120	0.510	0.143	0.000	0.143			2.467		*(3) 12" TREE, +(1) 13" TREE, *(1) 15" PINE, *(2) 24" TREE, *(1) 36" TREE, +(2) 10" PINE, *(4) 12" PINE
	AND JILL A. MCCAMBRIDGE	32-35													*(1) 10"PINE, +(6) 12" PINE, +(1) 8" PINE, +(1) 48" TREE, +(2) 14 PINE, +(2) PLASTIC SOLAR LIGHTS
28-T								0.030	0.000	0.030					GRADING AND SEEDING
29	3 PILLAR HOMES VILLAS AT OLD HARBOR WEST, LLC,	18,19	OR 1748	1235	41843311013000	1.553	0.000								NO ADDITIONAL R/W REQUIRED
	AN OHIO LIMITED LIABILITY COMPANY	26-31	OR 1764	1040	41843312014000	1.403	0.000								NO ADDITIONAL R/W REQUIRED
					41843311009000	3.118	0.000								NO ADDITIONAL R/W REQUIRED
					41843313001000	1.227	0.000								NO ADDITIONAL R/W REQUIRED
					41843302005002	1.646	0.000								NO ADDITIONAL R/W REQUIRED
					41843302003001	8.135	0.000								NO ADDITIONAL R/W REQUIRED
					41843314001000	2.622	0.000								NO ADDITIONAL R/W REQUIRED
					41843312007000	0.396	0.000								NO ADDITIONAL R/W REQUIRED
	TOTAL					20.100	0.000								
29-T					41843313001000	1.227	0.000	0.110	0.000	0.110					GRADING AND SEEDING
29-T1					41843311013000	1.553	0.000	0.081	0.000	0.081					GRADING AND SEEDING
29-T2					41843311013000	1.553	0.000	0.031	0.000	0.031					GRADING AND SEEDING
					41843312014000	1.403	0.000	0.006	0.000	0.006					
					41843311009000	3.118	0.000	0.025	0.000	0.025					
	TOTAL							0.062	0.000	0.062					
30	ROMANELLI AND HUGHES BUILDING COMPANY	18,19	OR 1687	2133	41843309008000	2.501	0.000	0.000	0.000	0.000					NO ADDITIONAL R/W REQUIRED
		20,21			41843308005000	3.594	0.000	0.000	0.000	0.000					NO ADDITIONAL R/W REQUIRED
	TOTAL					6.095	0.000								
30-T					41843309008000	2.501	0.000	0.004	0.000	0.004					GRADING AND SEEDING
30-T1					41843308005000	3.594	0.000	0.002	0.000	0.002					GRADING AND SEEDING
30-T2					41843308005000	3.594	0.000	0.003	0.000	0.003					GRADING AND SEEDING, DRIVEWAY RECONSTRUCTION

TYPES OF TITLE LEGEND:
SH = STANDARD HIGHWAY EASEMENT
T = TEMPORARY EASEMENT

NOTE: ALL TEMPORARY PARCELS TO BE OF 24 MONTH DURATION.

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

+ DENOTES REMOVAL ITEMS SEE CORRESPONDING RIGHT OF WAY PLAN SHEET FOR DESCRIPTION

* DENOTES RIGHT OF WAY ENCROACHMENT

REV. BY	DATE	DESCRIPTION

FIELD REVIEW BY COLLINS HUITGER DATE: 12/12/24
OWNERSHIP VERIFIED BY DAVID HIMMELMAN DATE: 12/11/24
DATE COMPLETED DECEMBER 13, 2024

SUMMARY OF ADDITIONAL RIGHT OF WAY

DESIGN AGENCY
KORDA
KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200, Columbus, OH 43215

DESIGNER DRH
REVIEWER TWM 12/13/24
PROJECT ID 1901
SUBSET RW.5 TOTAL RW. 35

DEL-CR10-5.60

MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:04 AM USER: dhimmelman
H:\Projects\2022_2022 Surveying\2022-7435 DEL-CR10-5.60 South Old State and Hollenback Road\1901\400-Engineering\RW\Sheets\1901_RS002.dgn

TOTAL NUMBER OF :

29 OWNERSHIPS 0 TOTAL TAKES

57 PARCELS 0 OWNERSHIPS W/ STRUCTURES INVOLVED

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE
NET TAKE = GROSS TAKE - PRO IN TAKE
ALL AREAS IN ACRES

(c) = CALCULATED AREA

GRANTEE:

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF DELAWARE COUNTY COMMISSIONERS UNLESS OTHERWISE SHOWN.

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD BOOK	OWNERS RECORD PAGE	AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE LEFT	NET RESIDUE RIGHT	TYPE FUND	REMARKS
31-SH	VERA VISTA, LLC,	18-21	OR 2050	1202	41843302003002	2.453	0.204	0.046	0.000	0.046	(S)	2.203			+(1) 14" PINE, +(1) 14" TREE, *(1) 14" TREE, *(1)BUSH, *"DODY'S PLACE" PRIVATE SIGN
31-T								0.058	0.000	0.058					GRADING AND SEEDING, DRIVEWAY RECONSTRUCTION, +(1) 16" TREE
32-SH	KYLE S. REINKE & NAOMI R. REINKE	20,21	OR 1455	2287	41843301003000	1.110	0.110	0.073	0.000	0.073			0.927		+(1) 4" PINE, +(1) 6" PINE, +(1) 36" TREE, +(1) 40" TREE
32-T								0.022	0.000	0.022					GRADING AND SEEDING, DRIVEWAY RECONSTRUCTION, +(2) 20" PINE
33-SH	FUN ON OLD STATE LLC,	20,21	OR 2064	592	418433002002000	3.279	0.157	0.026	0.000	0.026		3.096			
33-T								0.052	0.000	0.052					GRADING AND SEEDING, DRIVEWAY RECONSTRUCTION, +(1) 16" TREE
34-SH	SCOTT A. GERMANN	20,21	OR 2072	1486	41843301002000	1.870	0.141	0.094	0.000	0.094			1.635		
34-T								0.023	0.000	0.023					GRADING AND SEEDING
35-SH	APRIL LYNN BAGLEY	20-23	OR 1563	667	41843302001000	1.000	0.105	0.017	0.000	0.017		0.878			
35-T								0.032	0.000	0.032					GRADING AND SEEDING, +(4) BUSHES, +(1) 4" PINE
36	OLD HARBOR ESTATES LLC	20-23	OR 2254	2258	41843006003000	1.416	0.000								NO ADDITIONAL R/W REQUIRED
37	VCR HOUSE LLC	22,23	OR 1369	134	41843001027000	1.093	0.105								NO ADDITIONAL R/W REQUIRED
38	TAYLOR LAND LLC	22,23	OR 1369	137	41843001026000	15.527	0.084								NO ADDITIONAL R/W REQUIRED
39	DONALD A. SCHULZ AND ANITA K. SCHULZ	22,23	DV 503	291	41843001026000	5.000	0.155								NO ADDITIONAL R/W REQUIRED
40	FLOAT SIENNA TRUSTEE	22,23	OR 2072	2778	41843006002000	0.404	0.000								NO ADDITIONAL R/W REQUIRED
41	NATHANIEL WILLIAM JOHNSON	22,23	OR 1755	1747	41843006001000	0.425	0.000								NO ADDITIONAL R/W REQUIRED
42	GEORGANN E. MAZZOLI TRUSTEE OF THE "JOYCE T. WINES FAMILY TRUST DATED DECEMBER 28, 2022"	22,23	OR 2016	530	41843001026000	0.530	0.000								NO ADDITIONAL R/W REQUIRED
43-50	NOT USED														
51	DALLAS W. DURST AND MONIQUE R. DURST	24,25	OR 55	780	41834002008000	0.558	0.000								NO ADDITIONAL R/W REQUIRED
52	PIATT MEADOWS HOMEOWNERS ASSOCIATION INC.	24,25	OR 23	1368	41834001060001	3.149	0.000								NO ADDITIONAL R/W REQUIRED
53-SH	DAVID D. HEDGES AND JUDITH E. HEDGES	24-27	OR 716	768	41834001064000	2.689	0.231	0.016	0.000	0.016		2.442			
54-SH	JAMES P. GUNDLING AND LYNDA S. GUNDLING	26,27	OR 2087	897	41834001066002	7.548	0.041	0.016	0.000	0.016		7.491			
54-T								0.022	0.000	0.022					GRADING AND SEEDING
55-SH	CHASETEK LLC	26,27	OR 1990	1727	41834001066001	1.469	0.134	0.040	0.000	0.040		1.295			+PLASTIC 3" PANEL FENCING (198.1 LF)
					41834001066003	6.475	0.057	0.013	0.000	0.013		6.405			
	TOTAL					7.944	0.191	0.053	0.000	0.053		7.700			

TYPES OF TITLE LEGEND:
SH = STANDARD HIGHWAY EASEMENT
T = TEMPORARY EASEMENT

NOTE: ALL TEMPORARY PARCELS TO BE OF 24 MONTH DURATION.

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

\+ DENOTES REMOVAL ITEMS SEE CORRESPONDING RIGHT OF WAY PLAN SHEET FOR DESCRIPTION

** DENOTES RIGHT OF WAY ENCROACHMENT*

REV. BY	DATE	DESCRIPTION

FIELD REVIEW BY COLLINS HUITGER DATE: 12/12/24

OWNERSHIP VERIFIED BY DAVID HIMMELMAN DATE: 12/11/24

DATE COMPLETED DECEMBER 13, 2024

SUMMARY OF ADDITIONAL RIGHT OF WAY

DESIGN AGENCY
KORDA
KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200, Columbus, OH 43215

DESIGNER DRH

REVIEWER TWM 12/13/24

PROJECT ID 1901

SUBSET RW.6 TOTAL RW. 35

DEL-CR10-5.60

MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:05 AM USER: dhimmelman
H:\Projects\2022_2022 Surveying\2022-7435 DEL-CR10-5.60 South Old State and Hollenback Road\1901\00-Engineering\RW\Sheets\1901_RS003.dgn

TOTAL NUMBER OF :

29 OWNERSHIPS 0 TOTAL TAKES

57 PARCELS 0 OWNERSHIPS W/ STRUCTURES INVOLVED

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE
NET TAKE = GROSS TAKE - PRO IN TAKE
ALL AREAS IN ACRES

(c) = CALCULATED AREA

GRANTEE:

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF
DELAWARE COUNTY COMMISSIONERS
UNLESS OTHERWISE SHOWN.

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD BOOK	OWNERS RECORD PAGE	AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE LEFT	NET RESIDUE RIGHT	TYPE FUND	REMARKS
56-SH	DEL-CO WATER COMPANY, INC.	26,27	DV 736	102	418443303001001	0.115	0.034	0.012	0.000	0.012			0.069		*(4) WOOD POST (TBR)
			OR 2075	143	41834001061001	0.646	0.083	0.028	0.000	0.028			0.535		
	TOTAL					0.761	0.117	0.040	0.000	0.040			0.604		
56-T					418443303001001			0.029	0.000	0.029					
					41834001061001			0.022	0.000	0.022					
	TOTAL							0.051	0.000	0.051					
57-SH	JOHN C. COLLOPY AND JACLYN M. COLLOPY	34,35	OR 895	632	41843301006000	1.000	0.093	0.031	0.000	0.031		0.876			+(1) 11" TREE
58	NICHOLAS ROTHENBERGER AND	34,35	OR 1106	1023	41843301007000	1.047	0.000	0.000	0.000	0.000					NO ADDITIONAL R/W REQUIRED
	HEATHER W. ROTHENBERGER														
58-T								0.015	0.000	0.015					GRADING AND SEEDING, (2) BUSHES
59	CHRISTINA J. DILLON	34,35	OR 145	637	41843301008000	1.235	0.000	0.000	0.000	0.000					NO ADDITIONAL R/W REQUIRED
60	ANTHONY M. CONDO	34,35	OR 517	731	41843305039000	0.617	0.000	0.000	0.000	0.000					NO ADDITIONAL R/W REQUIRED
61	VICTOR D. SCHAMBRE AND RENNE M. SCHAMBRE	34,35	OR 615	359	41843301009000	0.617	0.000	0.000	0.000	0.000					NO ADDITIONAL R/W REQUIRED

TYPES OF TITLE LEGEND:
SH = STANDARD HIGHWAY EASEMENT
T = TEMPORARY EASEMENT

NOTE: ALL TEMPORARY PARCELS TO BE OF 24 MONTH DURATION.

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

\+ DENOTES REMOVAL ITEMS SEE CORRESPONDING RIGHT OF WAY PLAN SHEET FOR DESCRIPTION

** DENOTES RIGHT OF WAY ENCROACHMENT*

REV. BY	DATE	DESCRIPTION

FIELD REVIEW BY COLLINS HUITGER DATE: 12/12/24
OWNERSHIP VERIFIED BY DAVID HIMMELMAN DATE: 12/11/24
DATE COMPLETED DECEMBER 13, 2024

SUMMARY OF ADDITIONAL RIGHT OF WAY

DESIGN AGENCY
KORDA
KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200, Columbus, OH 43215

DESIGNER DRH
REVIEWER TWM 12/13/24
PROJECT ID 1901
SUBSET RW.7 TOTAL RW. 35

DEL-CR10-5.60

MODEL: Sheet_Survft PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:06 AM USER: dhimmelman
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DELAWARE COUNTY
ORANGE TOWNSHIP
R-18, T-3, SEC. 1, FARM LOT 1
UNITED STATES MILITARY LANDS

LOT 6732
AVONLEA SUBDIVISION
PLAT CABINET 3 SLIDE 625

10
CHARLENE M. CRISP AND CHARLIE J. CRISP
3169 AVONLEA WAY
PID:31812018001000
0.744 AC
(NO TAKE REQUIRED)

12
TRENT MATTHEW TAYLOR AND ROBYN J. TAYLOR
4730 SOUTH OLD STATE ROAD
PID:31812001002000
0.950 AC

10' UTILITY AND
BIKEPATH EASEMENT
PLAT CABINET 3, SLIDE 625

AVONLEA WAY(60' R/W)

HIDDEN COVE CIRCLE(60' R/W)

Ex R/W
Ex U
Ex SH
I.P.F.
P.F.
P.L.

STA 81+29.49
OFF 50.00' LT
5/8" IRON PIN FOUND
STA 81+29.46
OFF 49.60' LT

N13°03'39"E 141.99'

BEGIN RW ACQUISITION
STA. 80+97.44
SOUTH OLD STATE ROAD

N80°16'27"W
20.03'

12-SH
CONST.LIMITS

SOUTH OLD STATE (C.R. 10)
(40' R/W PER PC 3 SL 625)

S13°03'39"E 144.21'

STA 81+30.65
OFF 30.00' LT

SOUTH OLD STATE ROAD (C.R. 10)
(60' R/W ROAD RECORD 1, PG. 147)

STA 79+09.23
STA 79+14.23
STA 80+92.40
STA 81+32.40
STA 80+97.44
OFF 30.00' RT

80 81 82

N13°03'39"E
(370.72' TO 14-SH,18-SH, 24-SH)

MATCH LINE STA. 82+50

N86°27'42"W
5.07'

N13°03'39"E 187.61'

13-T

S13°03'39"W 151.72'

TMP

STA 80+98.28
OFF 35.00' RT

STA 82+50.00
OFF 35.00' RT

CONST.LIMITS

12' DELCO WATERLINE EASEMENT

3/4"IRON PIPE FOUND
STA 80+99.11
OFF 40.20' RT

SOUTH OLD STATE (C.R. 10)
(40' R/W PER PC 1 SL 526)

20' EASEMENT
HIDDEN COVE
PLAT CABINET 1, SLIDE 526

11
JOSEPH P. JURASKO AND MARY M. JURASKO
3295 HIDDEN COVE CIRCLE
PID:31812011031000
0.650 AC
(NO TAKE REQUIRED)

10' EASEMENT
HIDDEN COVE
PLAT CABINET 1, SLIDE 526

LOT 2556
HIDDEN COVE
PLAT CABINET 1 SLIDE 526

15' EASEMENT
HIDDEN COVE
PLAT CABINET 1, SLIDE 526

13
ANASTASIYA DEMENKO AND VLADIMIR DEMNKO
AND YELENA ILYIN AND IGOR ILYIN
4707 SOUTH OLD STATE ROAD
PID:31812001001000
1.170 AC

HORIZONTAL
SCALE IN FEET
0 10 20 40

RIGHT OF WAY BOUNDARY SHEET
STA. 79+09.23 TO STA. 82+50

REV. BY	DATE	DESCRIPTION
DATE COMPLETED	12/13/2024	

DESIGN AGENCY
KORDA
KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200, Columbus, OH 43215

DESIGNER DRH
REVIEWER TWM 12/13/24
PROJECT ID 9101
SHEET RW.8 TOTAL RW. 35

DEL-CR10-5.60

MODEL: RW1 - S OLD STATE PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:10 AM USER: dhimmelman
H:\Projects\2022_2022 Surveying\2022-7435 DEL-CR10-5.60 South Old State and Hollenback Road\1901\400-Engineering\RW\Sheets\1901_RB001.dgn

DELAWARE COUNTY
ORANGE TOWNSHIP
R-18, T-3, SEC. 1, FARM LOT 1
UNITED STTES MILITARY LANDS

LOT 6732
AVONLEA SUBDIVISION
PLAT CABINET 3 SLIDE 625

(10)
CHARLENE M. CRISP AND CHARLIE J. CRISP
3169 AVONLEA WAY
PID:31812018001000
0.744 AC
(NO TAKE REQUIRED)

10' UTILITY AND
BIKEPATH EASEMENT
PLAT CABINET 3, SLIDE 625

(12)
TRENT MATTHEW TAYLOR AND ROBYN J. TAYLOR
4730 SOUTH OLD STATE ROAD
PID:31812001002000
0.950 AC

2 STORY
FRAME

AVONLEA WAY(60' R/W)

SOUTH OLD STATE (C.R. 10)
(40' R/W PER PC 3 SL 625)

SOUTH OLD STATE ROAD (C.R. 10)
(60' R/W ROAD RECORD 1, PG. 147)

SOUTH OLD STATE (C.R. 10)
(40' R/W PER PC 1 SL 526)

HIDDEN COVE CIRCLE(60' R/W)

20' EASEMENT
HIDDEN COVE
PLAT CABINET 1, SLIDE 526

10' EASEMENT
HIDDEN COVE
PLAT CABINET 1, SLIDE 526

15' EASEMENT
HIDDEN COVE
PLAT CABINET 1, SLIDE 526

12' DELCO WATERLINE EASEMENT

(11)
JOSEPH P. JURASKO AND MARY M. JURASKO
3295 HIDDEN COVE CIRCLE
PID:31812011031000
0.650 AC
(NO TAKE REQUIRED)

LOT 2556
HIDDEN COVE
PLAT CABINET 1 SLIDE 526

(13)
ANASTASIYA DEMENKO AND VLADIMIR DEMNKO
AND YELENA ILYIN AND IGOR ILYIN
4707 SOUTH OLD STATE ROAD
PID:31812001001000
1.170 AC

MATCH LINE STA. 82+50

N13°03'39"E

REV. BY	DATE	DESCRIPTION
DATE COMPLETED	12/13/2024	

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY TOPO SHEET
STA. 79+09.23 TO STA. 82+50

DESIGN AGENCY
KORDA
KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200, Columbus, OH 43215

DESIGNER	DRH
REVIEWER	TWM 12/13/24
PROJECT ID	1901
SHEET	RW.9
TOTAL	RW. 35

DEL-CR10-5.60

MODEL: South Old State - Plan 1 PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:11 AM USER: dhimmelman
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DELAWARE COUNTY
BERLIN TOWNSHIP
ORANGE TOWNSHIP
R-18, T-3, SEC. 1, FARM LOT 1
R-18, T-4, SEC. 4, FARM LOT 1
UNITED STATES MILITARY LANDS

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY BOUNDARY SHEET
STA. 82+50 TO STA. 87+50

SECTION 1 FARM LOT 1
SECTION 4 FARM LOT 1
N13°03'39"E 141.99'
STA 82+71.47 OFF 50.00' LT
S86°34'02"E 20.29'
STA 82+72.32 OFF 45.00' LT
N86°34'02"W 5.07'
STA 82+73.17 OFF 40.00' LT
N13°03'39"E 6.79'
STA 82+79.94 OFF 40.00' LT
S86°34'02"E 10.14'
N13°03'39"E 144.21'
STA 82+79.95 OFF 30.00' LT
N13°03'39"E 5.09'
STA 82+74.87 OFF 30.00' LT
N86°34'02"W 30.43'
MATCH LINE STA. 82+50
5/8" IRON PIN FOUND
STA 82+86.75 OFF 40.11' RT
N13°03'39"E 187.61'
STA 82+88.44 OFF 50.00' RT
S86°34'19"E 13.19'
STA 82+88.94 OFF 53.00' RT
P.I.STA 82+79.95 (181.88' TO 18-SH) (620.05' TO 24-SH)
STA. 82+85.04 OFF. 30.00' RT.
S86°34'19"E 10.14'
STA. 82+86.73 OFF. 40.00' RT.
N13°02'47"E 66.99'
S37°51'42"W 42.91'
S13°02'47"W 75.04'
S13°02'47"W 77.45'
N86°34'19"W 10.14'
N86°34'19"W 3.04'
STA 83+53.73 OFF 40.00' RT
IRON PIPE FOUND
STA 83+53.88 OFF 40.16' RT
N58°47'56"E 13.96'
S58°47'56"W 4.19'
STA 83+63.47 OFF 50.00' RT
STA 83+66.39 OFF 53.00' RT
N13°02'47"E 187.46'
N13°02'47"E 180.06'
N13°02'47"E 180.51'
STA 84+59.56 OFF 50.00' LT
STA 84+59.79 OFF 45.00' LT
S79°33'04"E 5.01'
S79°33'04"E 10.01'
STA 84+60.47 OFF 30.00' LT
N79°33'04"W 10.01'
N79°33'04"W 30.03'
STA 84+60.47
STA 84+60.02 OFF 40.00' LT
CONST.LIMITS
WIRE FENCE
N13°02'47"E 187.29'
S13°02'47"W 183.30'
S13°02'47"W 182.11'
N73°07'14"E 3.46'
STA 85+48.50 OFF 53.00' RT
STA 85+41.02 OFF 40.00' RT
N73°07'14"E 11.54'
STA 85+46.77 OFF 50.00' RT
S73°07'14"W 8.08'
STA 85+50.80 OFF 57.00' RT
N13°02'47"E 300.00'
N13°02'47"E 300.00'
S13°02'47"W 145.11'
S13°02'47"W 142.90'
25' UTILITY EASEMENT PLAT CABINET 1, SLIDE 311-311C
3/4"IRON PIPE FOUND
STA 86+89.28 OFF 40.00' RT
N88°27'01"E 10.33'
148.26'
N88°27'19"E 7.23'
STA 86+93.70 OFF 57.00' RT
STA 86+94.49 OFF 60.00' RT
STA 86+91.88 OFF 50.00' RT
N13°02'47"E 131.04'
N13°02'47"E 128.44'
S13°02'47"W 125.84'
S88°27'19"W 10.33'
MATCH LINE STA. 87+50
N13°02'47"E
SOUTH OLD STATE ROAD (C.R. 10)
(30' R/W ROAD RECORD 1, PG. 147)
SOUTH OLD STATE ROAD (C.R. 10)
(40' R/W PER PC 1 SL 311-311C)
83 84 85 86 87
BLANKET EASEMENT TO SUBURBAN NATURAL GAS D.V. 631 PG. 453
20' UTILITY EASEMENT MARINER'S WATCH PHASE 1 SECTION 1 PLAT CABINET 1, SLIDE 311-311C
35' UTILITY EASEMENT PLAT CABINET 1, SLIDE 311-311C
BERLIN TOWNSHIP
ORANGE TOWNSHIP
SECTION 1 FARM LOT 1
SECTION 4 FARM LOT 1
LOT 470
LOT 469
LOT 468
LOT 467
MARINERS WATCH SECTION 1 PHASE 1 PLAT CABINET 1 SLIDE 311-311C
MARINER'S WATCH SECTION 1 PHASE 1 PLAT CABINET 1 SLIDE 311-311C

12 BAVELIS ZENIOS DEVELOPMENT, LLC
HOLLENBACK ROAD
PID:41834001062001
11.979 AC

13 MICHAEL B. OTTEN AND PAMELA L. COLDIRON
3442 WEST BAY CIRCLE
PID:41843307007000
0.988 AC

14 ERIC A. BOWERS AND LISA A. BOWERS
3432 WEST BAY CIRCLE
PID:41843307006000
0.786 AC

15 TIMOTHY M. SHOCKCOR AND MELISSA K. SHOCKCOR
3424 WEST BAY CIRCLE
PID:41843307005000
0.559 AC

16 AMERICAN HOMES 4 RENT PROPERTIES FOUR, LLC
A DELAWARE LIMITED LIABILITY COMPANY
3418 WEST BAY CIRCLE
PID:41843307004000
0.469 AC

17 WAYNE E. PIATT, TRUSTEE,
OR HIS SUCCESSSORS IN TRUST,
OF THE WAYNE E. PIATT TRUST DATED
OCTOBER 15, 2007
4600 SOUTH OLD STATE ROAD
PID:41843303001002
5.297 AC

18 19

REV. BY	DATE	DESCRIPTION
DATE COMPLETED	12/13/2024	

DESIGN AGENCY
KORDA
KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200, Columbus, OH 43215
DESIGNER DRH
REVIEWER TWM 12/13/24
PROJECT ID 1901
SHEET RW.10 TOTAL RW. 35

DEL-CR10-5.60

MODEL: RW1 - S OLD STATE-1 PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:12 AM USER: dhimmelman
H:\Projects\2022_2022 Surveying\2022-7435 DEL-CR10-5.60 South Old State and Hollenback Road\1901\400-Engineering\RW\Sheets\1901_RB002.dgn

DELAWARE COUNTY
BERLIN TOWNSHIP
ORANGE TOWNSHIP
R-18, T-3, SEC. 1, FARM LOT 1
R-18, T-4, SEC. 4, FARM LOT 1
UNITED STATES MILITARY LANDS

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY TOPO SHEET STA. 82+50 TO STA. 87+50

SECTION 4 FARM LOT 1
SECTION 1 FARM LOT 1

(14) BAVELIS ZENIOS DEVELOPMENT, LLC
HOLLENBACK ROAD
PID:41834001062001
11.979 AC

BLANKET EASEMENT TO SUBURBAN NATURAL GAS D.V. 631 PG. 453

(18) WAYNE E. PIATT, TRUSTEE, OR HIS SUCCESSSORS IN TRUST, OF THE WAYNE E. PIATT TRUST DATED OCTOBER 15, 2007
4600 SOUTH OLD STATE ROAD
PID:41843303001002
5.297 AC

WIRE FENCE *12.1'LF(TBR)*
WIRE FENCE *195.0'LF(TBR)*
WIRE FENCE *115.1'LF(TBR)*
WIRE FENCE *127.1'LF(TBR)*
CONST.LIMITS
GRASS
DIRT
ASPH.
GRAVEL
GUY POLE

SOUTH OLD STATE ROAD (C.R. 10)
(30' R/W ROAD RECORD 1, PG. 147)
SOUTH OLD STATE ROAD (C.R. 10)
(40' R/W PER PC 1 SL 311-311C)
N13°02'47"E

MATCH LINE STA. 82+50
MATCH LINE STA. 87+50

25' UTILITY EASEMENT
PLAT CABINET 1, SLIDE 311-311C
20' UTILITY EASEMENT
MARINER'S WATCH PHASE 1 SECTION 1
PLAT CABINET 1, SLIDE 311-311C
35' UTILITY EASEMENT
PLAT CABINET 1, SLIDE 311-311C

LOT 470 LOT 469 LOT 468 LOT 467

BERLIN TOWNSHIP
ORANGE TOWNSHIP

(15) MICHAEL B. OTTEN AND PAMELA L. COLDIRON
3442 WEST BAY CIRCLE
PID:41843307007000
0.988 AC

MARINERS WATCH
SECTION 1 PHASE 1
PLAT CABINET 1 SLIDE 311-311C

(16) ERIC A. BOWERS AND LISA A. BOWERS
3432 WEST BAY CIRCLE
PID:41843307006000
0.786 AC

MARINER'S WATCH
SECTION 1 PHASE 1
PLAT CABINET 1 SLIDE 311-311C

(17) TIMOTHY M. SHOCKCOR AND MELISSA K. SHOCKCOR
3424 WEST BAY CIRCLE
PID:41843307005000
0.559 AC

(19) AMERICAN HOMES 4 RENT PROPERTIES FOUR, LLC
A DELAWARE LIMITED LIABILITY COMPANY
3418 WEST BAY CIRCLE
PID:41843307004000
0.469 AC

REV. BY	DATE	DESCRIPTION
DATE COMPLETED	12/13/2024	

DESIGN AGENCY
KORDA
KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200, Columbus, OH 43215

DESIGNER DRH
REVIEWER TWM 12/13/24
PROJECT ID 1901
SHEET RW.11 TOTAL RW. 35

DEL-CR10-5.60

MODEL: South Old State - Plan 2 PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:13 AM USER: dhimmelman
H:\Projects\2021_2022 Surveying\2022-7435 DEL-CR10-5.60 South Old State and Hollenback Road\1901\400-Engineering\RW\Sheets\1901_RT002.dgn

DELAWARE COUNTY
BERLIN TOWNSHIP
R-18, T-4, SEC. 4, FARM LOT 1
UNITED STATES MILITARY LANDS

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY BOUNDARY SHEET
STA. 87+50 TO STA. 92+50

(24)
OLD STATE FARM LLC
4594 SOUTH OLD STATE ROAD
PID:41843303001000
37.288 AC

WAYNE E. PIATT, TRUSTEE
4600 SOUTH OLD STATE ROAD
PID:41843303001002
5.297 AC

(18)
N13°02'47"E 300.00'
STA 87+59.56 OFF 50.00' LT
N13°02'47"E 300.00'
S79°33'04"E 10.01'
STA 87+60.01 OFF 40.00' LT
S79°33'04"E 10.01'
STA 87+60.47 OFF 30.00' LT
N13°02'47"E 300.00'
STA 87+61.83
MATCH LINE STA. 87+50

BLANKET EASEMENT TO SUBURBAN NATURAL GAS D.V. 631 PG. 453
N09°13'57"E 150.33'
STA 90+50.00 OFF 60.00' LT
FUTURE DEDICATED RIGHT OF WAY
CONST.LIMITS
N13°02'47"E 837.00'
S13°02'47"W 1,040.19'
STA 89+00.00 OFF 50.00' LT
N76°57'13"W 50.00'
STA 89+00.00
N13°02'47"E (620.05' TO 24-SH)
3/4"IRON PIPE FOUND
STA 88+20.27 OFF 40.34' RT
SOUTH OLD STATE ROAD (C.R. 10)
(30' R/W ROAD RECORD 1, PG. 147)
SOUTH OLD STATE ROAD (C.R. 10)
(40' R/W PER PC 1 SL 311-311C)
3/4"IRON PIN FOUND
STA 91+00.32 OFF 40.13' RT
STA 91+70.32
N13°02'47"E 135.00'
5/8"IRON PIN FOUND
STA 92+40.78 OFF 40.03' RT
STA 92+40.32 OFF 40.00' RT
MATCH LINE STA. 92+50

Ex SH
Ex R/W
Ex U
R/W
SH
TMP
O.I.P.F.

STA 88+20.32 OFF 40.00' RT
N13°02'47"E 131.04'
N13°02'47"E 128.44'
S13°02'47"W 125.84'
STA 88+20.32 OFF 50.00' RT
N76°57'13"W 10.00'
STA 88+20.32 OFF 57.00' RT
STA 88+20.32 OFF 60.00' RT
N76°57'13"W 10.00'
N13°02'47"E 80.00'
S13°02'47"W 80.00'
S76°57'13"E 7.00'
STA 89+00.32 OFF 50.00' RT
STA 89+00.32 OFF 40.00' RT
3/4"IRON PIPE FOUND
STA 89+00.60 OFF 40.12' RT
N76°57'13"W 10.00'
N13°02'47"E 80.00'
S13°02'47"W 80.00'
N76°57'13"W 3.00'
STA 89+00.32 OFF 53.00' RT
STA 89+00.32 OFF 57.00' RT
STA 89+80.32 OFF 40.00' RT
STA 89+80.32 OFF 53.00' RT
3/4"IRON PIPE FOUND
STA 89+80.33 OFF 40.19' RT
STA 89+80.32 OFF 50.00' RT
N13°02'47"E 120.00'
N13°02'47"E 57.16'
S13°02'47"W 57.16'
STA 90+37.48 OFF 50.00' RT
N76°57'13"W 3.00'
S76°57'13"E 3.00'
STA 90+37.48 OFF 53.00' RT
STA 91+00.32 OFF 40.00' RT
STA 91+40.32 OFF 80.00' RT
CONST. LIMITS
Δ=41°24'35" R=40.00' L=28.91' CH=28.28' CHB=N33°45'05"E
Δ=28°57'18" R=40.00' L=20.21 CH=20.00' CHB=N01°25'52"W
STA 91+26.78 OFF 50.00' RT
STA 92+20.96 OFF 45.00' RT
S13°02'47"W 154.36'
5/8"IRON PIN FOUND
STA 92+09.83 OFF 62.07' RT
STA 92+50.00 OFF 45.00' RT
STA 92+00.32 OFF 80.00' RT
MARINER'S WAY(60' R/W)

(18-T) (18-WD) (19-T) (19-SH) (20-T) (20-SH) (21-T) (21-SH) (22-T) (22-SH) (24-SH) (23-SH)

LOT 466
LOT 465
LOT 464
LOT 467
55' LANDSCAPE ESMT PLAT CABINET 1, SLIDE 311-311C
20' UTILITY ESMT PLAT CABINET 1, SLIDE 311-311C
20' UTILITY ESMT PC 1, SL 311-311C
15' UTILITY ESMT PLAT CABINET 1, SLIDE 311-311C

(19) AMERICAN HOMES 4 RENT PROPERTIES FOUR, LLC A DELAWARE LIMITED LIABILITY COMPANY 3418 WEST BAY CIRCLE PID:41843307004000 0.469 AC

(20) JAMES D. CLOUSER AND CHERYL R. COBB-ZERANGUE 3412 WEST BAY CIRCLE PID:41843307003000 0.349 AC

(21) BRYON RETHLAKE AND STACY RETHLAKE 3406 WEST BAY CIRCLE PID:41843307002000 0.349 AC

(22) PAUL L. PARKER, TRUSTEE UNDER PAUL L. TRUST AGREEMENT DATED THE 4TH DAY OF JANUARY 2010 3400 WEST BAY CIRCLE PID:41843307001000 0.688 AC
MARINER'S WATCH SECTION 1 PHASE 1 PLAT CABINET 1 SLIDE 311-311C

(23) DOUGLAS M. LAURA AND KELLY B. LAURA 3393 MARINER'S WATCH PID:418330500100 0.683 AC

REV. BY	DATE	DESCRIPTION
DATE COMPLETED	12/13/2024	

DESIGN AGENCY
KORDA
KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200, Columbus, OH 43215

DESIGNER	DRH
REVIEWER	TWM 12/13/24
PROJECT ID	1901
SHEET	RW.12
TOTAL	RW. 35

DEL-CR10-5.60

MODEL: RW1 - S OLD STATE-2 PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:14 AM USER: dhimmelman
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DELAWARE COUNTY
BERLIN TOWNSHIP
R-18, T-4, SEC. 4, FARM LOT 1
UNITED STATES MILITARY LANDS

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY TOPO SHEET
STA. 87+50 TO STA. 92+50

(24)
OLD STATE FARM LLC
4594 SOUTH OLD STATE ROAD
PID:41843303001000
37.288 AC

WAYNE E. PIATT, TRUSTEE
4600 SOUTH OLD STATE ROAD
PID:41843303001002
5.297 AC
(18)

BLANKET EASEMENT TO
SUBURBAN NATURAL GAS
D.V. 631 PG. 453

FUTURE DEDICATED
RIGHT OF WAY

CONST.LIMITS

WOOD POST (DND)

WIRE FENCE
*201.7'LF(TBR)

SAVE 4" SAVE 4" SAVE 4" SAVE 10" SAVE 4"

GRASS

GRAVEL

Ex SH

OH-Comb

FO

SOUTH OLD STATE ROAD (C.R. 10)
(30' R/W ROAD RECORD 1, PG. 147)

SOUTH OLD STATE ROAD (C.R. 10)
(40' R/W PER PC 1 SL 311-311C)

88 89 90 91 92

N13°02'47"E

15" CPP

MATCH LINE STA. 87+50

MATCH LINE STA. 92+50

Ex U

Ex R/W

SH

R/W

24-SH

19-SH 20-SH 21-SH 22-SH 23-SH

19-T 20-T 21-T 22-T

TMP

CTV

TEL

55' LANDSCAPE ESMT
PLAT CABINET 1,
SLIDE 311-311C

20' UTILITY ESMT
PLAT CABINET 1,
SLIDE 311-311C

LOT 467

LOT 466

LOT 465

LOT 464

5"X5 5"X6 5"X8 5"X10 4"X3 10"X3 8"X2

SAN

DECORATIVE
STONE WALL
(DND)

MARINER'S WAY(60' R/W)

15' UTILITY ESMT
PLAT CABINET 1,
SLIDE 311-311C

(19)
AMERICAN HOMES 4 RENT
PROPERTIES FOUR, LLC
A DELAWARE LIMITED
LIABILITY COMPANY
3418 WEST BAY CIRCLE
PID:41843307004000
0.469 AC

(20)
JAMES D. CLOUSER AND
CHERYL R. COBB-ZERANGUE
3412 WEST BAY CIRCLE
PID:41843307003000
0.349 AC

(21)
BRYON RETHLAKE AND
STACY RETHLAKE
3406 WEST BAY CIRCLE
PID:41843307002000
0.349 AC

(22)
PAUL L. PARKER, TRUSTEE
UNDER PAUL L. TRUST AGREEMENT
DATED THE 4TH DAY OF JANUARY 2010
3400 WEST BAY CIRCLE
PID:41843307001000
0.688 AC
MARINER'S WATCH
SECTION 1 PHASE 1
PLAT CABINET 1 SLIDE 311-311C

(23)
DOUGLAS M. LAURA AND KELLY B. LAURA
3393 MARINER'S WATCH
PID:418330500100
0.683 AC

REV. BY	DATE	DESCRIPTION
DATE COMPLETED	12/13/2024	

DESIGN AGENCY
KORDA
KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200, Columbus, OH 43215

DESIGNER DRH
REVIEWER TWM 12/13/24
PROJECT ID 1901
SHEET RW.13 TOTAL RW. 35

DEL-CR10-5.60

MODEL: South Old State - Plan 3 PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:16 AM USER: dhimmelman
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DELAWARE COUNTY
BERLIN TOWNSHIP
R-18, T-4, SEC. 4, FARM LOT 1
UNITED STATES MILITARY LANDS

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY BOUNDARY SHEET STA. 92+50 TO STA. 97+50

(24)
OLD STATE FARM LLC
4594 SOUTH OLD STATE ROAD
PID:41843303001000
37.288 AC

BLANKET EASEMENT TO SUBURBAN NATURAL GAS D.V. 631 PG. 453
FUTURE DEDICATED RIGHT OF WAY (BY OTHERS)
N13°02'47"E 837.00'
CONST.LIMITS
24-SH
S13°02'47"W 1,040.19'
SH
R/W
Ex SH

MATCH LINE STA. 92+50
MATCH LINE STA. 97+50

93 N13°02'47"E 94 95 N13°02'47"E 96 97
℄
SOUTH OLD STATE ROAD (C.R. 10)
(30' R/W ROAD RECORD 1, PG. 147)
SOUTH OLD STATE ROAD (C.R. 10)
(40' R/W PER PC 1 SL 311-311C)

STA 93+75.32
OFF 40.00' RT
S76°57'13"E
5.00'
STA 93+75.32
OFF 45.00' RT
N13°02'47"E 135.00'
S13°02'47"W 154.36'
125.32'
S16°41'57"W 125.58'
23-SH
23-T
TMP
S76°57'13"E
8.00'
STA 92+50.00
OFF 45.00' RT
STA 93+75.32
OFF 53.00' RT
CONST.LIMITS
N13°02'47"E 460.00'
S13°02'47"W 460.87'
S13°02'47"W 412.26'
25-SH
25-T
Ex R/W
Ex U

55' LANDSCAPE EASEMENT
MARINER'S WATCH
PHASE 1 SECTION 2
PLAT CABINET 1, SLIDE
411-411A

20' UTILITY EASEMENT
PC 1, SL 411-411A

10' UTILITY EASEMENT PC 1, SL 411-411A

15' COLUMBIA GAS OF OHIO
EASEMENT
DB 503 PG 136

12' DEL-CO WATERLINE
EASEMENT
DB 376 PG 334

25' UTILITY EASEMENT
MARINER'S WATCH PHASE 1 SECTION 1
PLAT CABINET 1, SLIDE 311-311C

(23)
DOUGLAS M. LAURIA AND KELLY B. LAURIA
3393 MARINER'S WATCH
PID:4184330500100
0.683 AC

LOT 501

MARINER'S WATCH
SECTION 1 PHASE 2
PLAT CABINET 1 SLIDE 411-411A

(25)
MARINERS WATCH
HOMEOWNERS ASSOCIATION
SOUTH OLD STATE RD.
PID:41843305021000
9.822 AC

LOT 750
OPEN SPACE

REV. BY	DATE	DESCRIPTION

DATE COMPLETED 12/13/2024

DESIGN AGENCY
KORDA
KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200, Columbus, OH 43215

DESIGNER DRH
REVIEWER TWM 12/13/24
PROJECT ID 1901
SHEET RW.14 TOTAL RW. 35

DEL-CR10-5.60

MODEL: RW1 - S OLD STATE 3 PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:17 AM USER: dhimmelman
H:\Projects\2021_2022 Surveying\2022-7435 DEL-CR10-5.60 South Old State and Hollenback Road\1901\400-Engineering\RW\Sheets\1901_RB004.dgn

DELAWARE COUNTY
BERLIN TOWNSHIP
R-18, T-4, SEC. 4, FARM LOT 1
UNITES STATES MILITARY LANDS

HORIZONTAL SCALE IN FEET
0 10 20 40

24

OLD STATE FARM LLC
4594 SOUTH OLD STATE ROAD
PID:41843303001000
37.288 AC

CULTIVATED FIELD
FUTURE DEDICATED RIGHT OF WAY (BY OTHERS)
BLANKET EASEMENT TO SUBURBAN NATURAL GAS D.V. 631 PG. 453
CULTIVATED FIELD
CONST.LIMITS
24-SH
SH
R/W
G
GRASS
Ex SH
OH Comb
FO
MATCH LINE STA. 92+50
MATCH LINE STA. 97+50
93
94
95
96
97
N13°02'47"E
SOUTH OLD STATE ROAD (C.R. 10)
(30' R/W ROAD RECORD 1, PG. 147)
SOUTH OLD STATE ROAD (C.R. 10)
(40' R/W PER PC 1 SL 311-311C)
Ex U
Ex R/W
SAVE
TMP
23-SH
23-T
25-SH
25-T
W
T
TEL
6"
14"
10"X3
2"
DECORATIVE STONE WALL (DND)
55' LANDSCAPE EASEMENT MARINER'S WATCH PHASE 1 SECTION 2 PLAT CABINET 1, SLIDE 411-411A
8"
16"
20' UTILITY EASEMENT PC 1, SL 411-411A
10' UTILITY EASEMENT PC 1, SL 411-411A
15' COLUMBIA GAS OF OHIO EASEMENT DB 503 PG 136
10"
12"
24"
15"
14"
12' DEL-CO WATERLINE EASEMENT DB 376 PG 334
18"
25' UTILITY EASEMENT MARINER'S WATCH PHASE 1 SECTION 1 PLAT CABINET 1, SLIDE 311-311C
16'

23

DOUGLAS M. LAURIA AND KELLY B. LAURIA
3393 MARINER'S WATCH
PID:41843305001000
0.683 AC

LOT 501

MARINER'S WATCH
SECTION 1 PHASE 2
PLAT CABINET 1 SLIDE 411-411A

25

MARINERS WATCH
HOMEOWNERS ASSOCIATION
SOUTH OLD STATE RD.
PID:41843305021000
9.822 AC

LOT 750
OPEN SPACE

REV. BY	DATE	DESCRIPTION

DATE COMPLETED 12/13/2024

RIGHT OF WAY TOPO SHEET STA. 92+50 TO STA. 97+50

DESIGN AGENCY
KORDA
KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200, Columbus, OH 43215

DESIGNER DRH
REVIEWER TWM 12/13/24
PROJECT ID 1901
SHEET RW.15 TOTAL RW. 35

DEL-CR10-5.60

MODEL: S Old State - Plan 4 PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:18 AM USER: dhimmelman
H:\Projects\2021_2022 Surveying\2022-7435 DEL-CR10-5.60 South Old State and Hollenback Road\1901\400-Engineering\RW\Sheets\1901_RT004.dgn

DELAWARE COUNTY
BERLIN TOWNSHIP
R-18, T-4, SEC. 4, FARM LOT 1
R-18, T-4, SEC. 4, FARM LOT 2
UNITED STATES MILITARY LANDS

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY BOUNDARY SHEET
STA. 97+50 TO STA. 102+50

SEE SHEET RW 30

SEE SHEET RW 32

MATCH LINE STA. 97+50

MATCH LINE STA. 102+50

SOUTH OLD STATE ROAD (C.R. 10)
(60' R/W ROAD RECORD 1, PG. 147)

SOUTH OLD STATE ROAD (C.R. 10)
(40' R/W PER PC 1 SL 311-315)

HOLLENBACK ROAD (T.R. 274 R/W)
PERPETUAL HIGHWAY EASEMENT
O.R. 24, PG. 47 2.367 AC

HOLLENBACK ROAD (T.R. 274 R/W)
PERPETUAL HIGHWAY EASEMENT
O.R. 71, PG. 1496 0.196 AC

HOLLENBACK ROAD
(T.R. 274 60' R/W PER COUNTY ENGINEER)
HOLLENBACK ROAD (T.R. 274)
PERPETUAL HIGHWAY EASEMENT
PER O.R. 228, PG. 2005

FUTURE DEDICATED RIGHT OF WAY (BY OTHERS)

CONST. LIMITS

12' DEL CO WATERLINE EASEMENT D.V. 517 PG. 999

AEP EASEMENT D.V. 599 PG. 2014

GTE EASEMENT DB 584 PG 846

SECTION 4 FARM LOT 1

SECTION 4 FARM LOT 2

CONCRETE MONUMENT FOUND

COTTEN GIN SPIKE FOUND
EX. ℄ SOUTH OLD STATE ROAD
STA 100+00.00
EX ℄ HOLLENBACK ROAD
STA. 200+00.00

24
OLD STATE FARM LLC
4594 SOUTH OLD STATE ROAD
PID:41843303001000
37.288 AC

24-SH
24-T
25-SH
25-T
26-SH
26-T
27-SH
27-T
28-SH
28-T

25
MARINERS WATCH HOMEOWNERS ASSOCIATION
SOUTH OLD STATE RD.
PID:41843305021000
9.822 AC
LOT 750
OPEN SPACE

MARINERS WATCH HOMEOWNERS ASSOCIATION
SOUTH OLD STATE RD.
PID:41843305021000
9.822 AC
LOT 750
OPEN SPACE

MARINERS WATCH SECTION 3
PLAT CABINET 2 SLIDE 95

26
PANHANDLE ROAD, LTD.
3440 HOLLENBACK ROAD
PID:41843304001000
1.000 AC

PANHANDLE ROAD, LTD.
3440 HOLLENBACK ROAD
PID:41843304001000
1.000 AC

27
AMANDA L. KLEIN AND ALFRED A. KLEIN
4324 OLD SOUTH STATE ROAD
PID:41843302004000
2.000 AC

AMANDA L. KLEIN AND ALFRED A. KLEIN
4324 OLD SOUTH STATE ROAD
PID:41843302004000
2.000 AC

28
JOHN J. MCCAMBRIDGE AND JILL A. MCCAMBRIDGE
4295 SOUTH OLD STATE ROAD
PID:41843301005000
3.120 AC

JOHN J. AND JILL
4295 SOU
PID:4

STA 98+28.37
OFF 30.00' RT

STA 98+35.32
OFF 40.00' RT

STA 98+36.19
OFF 45.00' RT

STA 98+39.66
OFF 60.00' RT

STA 98+87.03
OFF 60.00' LT RT

STA 99+16.70
OFF 95.75' LT

STA 99+20.92
OFF 100.00' LT

STA 99+40.18
OFF 50.00' RT

STA 99+40.19
OFF 50.00' LT

STA 99+44.02
OFF 46.05' LT

STA 99+44.76
OFF 46.93' RT

STA 99+74.68
OFF 95.66' RT

STA 99+74.72
OFF 30.00' RT

STA 99+09.04
OFF 45.00' RT

STA 99+09.04
OFF 45.00' RT

STA 99+09.04
OFF 250.00' RT

STA 99+69.57
OFF 158.91' RT

STA 199+32.38
OFF 40.00' LT

STA 199+33.77
OFF 47.00' LT

STA 199+58.34
OFF 38.00' LT

STA 199+66.81
OFF 68.71' LT

STA 199+77.91
OFF 46.01' LT

STA 200+01.33
OFF 169.09' RT

STA 200+16.55
OFF 169.07' RT

STA 200+21.48
OFF 169.06' RT

STA 200+21.63
OFF 169.06' RT

STA 200+33.84
OFF 88.72' RT

STA 200+35.70
OFF 30.00' LT

STA 200+90.00
OFF 36.10' RT

STA 201+02.02
OFF 40.00' LT

STA 201+02.83
OFF 35.00' RT

STA 100+22.02
OFF 46.38' LT

STA 100+27.19
OFF 73.71' LT

STA 100+34.32
OFF 73.61' LT

STA 100+41.29
OFF 30.00' LT

STA 100+56.97
OFF 93.61' RT

STA 100+61.62
OFF 45.00' LT

STA 100+63.84
OFF 49.00' LT

STA 100+84.43
OFF 30.00' RT

STA 101+06.22
OFF 35.00' RT

STA 102+00.00
OFF 49.00' LT

STA 102+00.00
OFF 45.00' LT

N87°09'58"W 396.00'

S87°09'58"E 500.18'

N87°09'58"W 255.09'

S87°09'58"E 255.24'

N87°09'58"W 282.81'

S87°09'58"E 199.98'

N13°02'47"E 837.00'

S13°02'47"W 1,040.19'

N13°02'47"E 460.00'

S13°02'47"W 460.87'

S13°02'47"W 412.26'

S13°02'47"W 50.00'

N13°02'47"E 141.14'

N13°02'47"E 272.85'

N13°02'47"E 131.98'

N13°02'47"E 100.00'

N13°11'35"E 136.16'

S13°11'35"W 138.38'

N13°11'35"E 274.27'

S13°11'35"W 297.33'

S13°11'35"W 297.33'

S13°11'35"W 237.86'

S13°11'35"W 266.38'

N13°11'35"E 141.43'

N13°11'35"E 141.43'

N86°48'21"W 15.22'

N86°48'21"W 5.07'

N86°48'21"W 5.07'

N86°48'21"W 5.07'

N86°48'21"W 12.18'

S86°43'22"E 225.07'

S86°43'22"E 327.15'

N86°43'22"W 147.52'

N86°43'22"W 393.37'

S86°43'22"E 225.07'

S53°33'22"W 25.29'

S03°16'38"W 5.08'

CHB=S53°00'48"W CH=44.83' L=48.65' R=35.00' Δ=79°38'27"

CHB=N53°00'48"E CH=38.42' L=41.70' R=30.00' Δ=79°38'27"

CHB=S53°00'48"W CH=44.83' L=48.65' R=35.00' Δ=79°38'27"

CHB=N53°00'48"E CH=38.42' L=41.70' R=30.00' Δ=79°38'27"

CHB=S47°52'58"W CH=76.27' L=85.74' R=70.00' Δ=70°12'21"

CHB=S47°52'58"W CH=85.74' L=92.14' R=75.00' Δ=70°23'01"

CHB=N48°14'18"E CH=96.45' L=105.02' R=75.00' Δ=80°13'41"

CHB=S53°09'43"W CH=96.65' L=105.02' R=75.00' Δ=80°13'41"

CHB=N36°45'53"W CH=76.36' L=82.39' R=50.00' Δ=94°24'57"

CHB=S36°45'53"E CH=76.36' L=82.39' R=50.00' Δ=94°24'57"

CHB=N00°16'20"E CH=22.36' L=22.55' R=50.00' Δ=25°50'31"

CHB=N00°16'20"E CH=22.36' L=22.55' R=50.00' Δ=25°50'31"

S76°48'25"E 4.00'

CONST. LIMITS

REV. BY	DATE	DESCRIPTION
DATE COMPLETED	12/13/2024	

DESIGN AGENCY
KORDA
KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200, Columbus, OH 43215

DESIGNER DRH
REVIEWER TWM 12/13/24
PROJECT ID 1901
SHEET RW.16 TOTAL RW. 35

DEL-CR10-5.60

MODEL: RW1 - S OLD STATE-4 PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:19 AM USER: dhimmelman
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DELAWARE COUNTY
BERLIN TOWNSHIP
R-18, T-4, SEC. 4, FARM LOT 1
R-18, T-4, SEC. 4, FARM LOT 2
UNITED STATES MILITARY LANDS

SEE SHEET RW 31

SEE SHEET RW 33

MATCH LINE STA. 97+50

MATCH LINE STA. 102+50

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY TOPO SHEET STA. 97+50 TO STA. 102+50

24
OLD STATE FARM LLC
4594 SOUTH OLD STATE ROAD
PID:41843303001000
37.288 AC

25
MARINERS WATCH
HOMEOWNERS ASSOCIATION
SOUTH OLD STATE RD.
PID:41843305021000
9.822 AC

LOT 750
OPEN SPACE

26
PANHANDLE ROAD, LTD.
3440 HOLLENBACK ROAD
PID:41843304001000
1.000 AC

27
AMANDA L. KLEIN AND ALFRED A. KLEIN
4324 OLD SOUTH STATE ROAD
PID:41843302004000
2.000 AC

28
JOHN J. MCCAMBRIDGE
AND JILL A. MCCAMBRIDGE
4295 SOUTH OLD STATE ROAD
PID:41843301005000
3.120 AC

SOUTH OLD STATE ROAD (C.R. 10)
(60' R/W ROAD RECORD 1, PG. 147)

SOUTH OLD STATE ROAD (C.R. 10)
(40' R/W PER PC 1 SL 311-311C)

HOLLENBACK ROAD
(T.R. 274 60' R/W PER COUNTY ENGINEER)
HOLLENBACK ROAD (T.R. 274)
PERPETUAL HIGHWAY EASEMENT
PER O.R. 228, PG. 2005

S86°09'58"E
S86°43'22"E
N13°02'47"E
N13°11'35"E

SHRUBS TO BE REMOVED
67.0'
72.4'
115.9'
66.2'
58.0'
4.0'
**170.8'LF(TBR)* WIRE FENCE
8.0 LF(TBR)
15.9' LF(TBR)
16.3 LF(TBR)
GARDEN
CONST. LIMITS
CULTIVATED FIELD
WIRE FENCE
12' DEL-CO WATERLINE EASEMENT D.V. 517 PG. 599
GTE EASEMENT D.B 584 PG 846
1 STORY FRAME
2 STORY FRAME
SAVE
4' WOOD FENCE
5' WOOD FENCE
6' WOOD FENCE
SECTION 4 FARM LOT 1
SECTION 4 FARM LOT 2

REV. BY	DATE	DESCRIPTION
DATE COMPLETED	12/13/2024	

DESIGN AGENCY
KORDA
KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200, Columbus, OH 43215
DESIGNER DRH
REVIEWER TWM 12/13/24
PROJECT ID 1901
SHEET RW.17 TOTAL RW. 35

DEL-CR10-5.60

MODEL: South Old State - Plan 5 PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:20 AM USER: dhimmelman
H:\Projects\2022_2022 Surveying\2022-7435 DEL-CR10-5.60 South Old State and Hollenback Road\1901\400-Engineering\RW\Sheets\1901_RT005.dgn

DELAWARE COUNTY
BERLIN TOWNSHIP
R-18, T-4, SEC. 4, FARM LOT 2
UNITED STATES MILITARY LANDS

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY BOUNDARY SHEET
STA. 102+50 TO STA. 107+50

29
3 PILLAR HOMES VILLAS
AT OLD HARBOR WEST, LLC,
AN OHIO LIMITED LIABILITY COMPANY
SOUTH OLD STATE RD.
PID:41843311014000
1.403 AC

THE VILLAS AT
OLD HARBOR WEST
SECTION 1
PLAT CABINET 5
SLIDE 649-649M

RESERVE B

29
3 PILLAR HOMES VILLAS
AT OLD HARBOR WEST, LLC,
AN OHIO LIMITED LIABILITY COMPANY
LAGUNA DRIVE
PID:41843311013000
1.553 AC

AMANDA L. KLEIN AND
ALFRED A. KLEIN
4324 OLD SOUTH STATE ROAD
PID:41843302004000
2.000 AC

27

RESERVE F

20' SANITARY EASEMENT
PLAT CABINET 5 SLIDE 649-649M

20' DRAINAGE EASEMENT
PLAT CABINET 5 SLIDE 649-649M

29
3 PILLAR HOMES VILLAS
AT OLD HARBOR WEST, LLC,
AN OHIO LIMITED LIABILITY COMPANY
SOUTH OLD STATE RD.
PID:41843311019000
3.118 AC

THE VILLAS AT
OLD HARBOR WEST
SECTION 1
PLAT CABINET 5
SLIDE 649-649M

VERA VISTA LLC
4180 SOUTH OLD STATE ROAD
PID:41843302003002
2.453 AC

31

RESERVE A

12' UTILITY EASEMENT
PLAT CABINET 5 SLIDE 649-649M

CONST.LIMITS

STA 102+56.00
OFF 45.00' LT

S87°07'33"E
13.26'

STA 103+33.51
OFF 58.04' LT

STA 103+00.00
OFF 85.50' LT

STA 104+18.00
OFF 72.05' LT

STA 104+29.84
OFF 74.01' LT

STA 104+72.00
OFF 81.00' LT

S76°56'40"E
31.00'

STA 104+72.00
OFF 50.00' LT

STA 106+94.73
OFF 50.00' LT

S80°51'04"E
10.56'

N14°06'08"E 244.60'

N03°38'35"E 140.24'

N03°38'35"E 78.60'

N87°07'33"W
8.20'

12.00'

12.18'

38.08'

S13°03'20"W 136.90'

S13°11'35"W 79.89'

N13°11'35"E 274.27'

27-T1

29-T2

27-SH

31-SH

STA 103+34.98
OFF 50.00' LT

STA 104+21.74
OFF 50.00' LT

STA 104+33.92
OFF 50.00' LT

STA 103+35.89
OFF 45.00' LT

S87°07'33"E
15.25'

STA 106+95.45
OFF 39.47' LT

N80°51'04"W
9.49'

STA 106+96.09
OFF 30.00' LT

S13°11'35"W 297.33'

N13°03'20"E 294.43'

12' DEL-CO
WATERLINE
EASEMENT

STA 103+38.62
OFF 30.00' LT

3/4"IRON PIPE FOUND
STA 103+38.47
OFF 30.61' LT

MAIL NAIL FOUND
STA 103+44.08
(C.R. 10)

N13°11'35"E

N13°03'20"E

103

104

105

106

107

SOUTH OLD STATE ROAD (C.R. 10)
(40' R/W PER) PC 5, SL 649-649M

STA 106+47.38
(C.R. 10 AND
STARBOARD LANE)

SOUTH OLD STATE ROAD (C.R. 10)
(40' R/W PER) PB 1880, PG. 772)

STA 106+98.14

MATCH LINE STA. 102+50

MATCH LINE STA. 107+50

STA 103+49.88
OFF 35.00' RT

STA 103+48.79
OFF 29.33' RT

3/4"IRON PIPE FOUND
STA 103+49.06
OFF 30.00' RT

STA 103+44.08
OFF 35.00' RT

N13°11'35"E 313.43'

28-SH

28-T

S13°11'35"W 237.86'

S13°11'35"W 266.38'

S86°21'31"E
5.06'

S86°21'31"E
5.08'

S13°03'23"W
5.89'

STA 103+50.72
OFF 40.02' RT

N86°21'31"W
15.20'(TO 28 SH)

STA 103+52.37
OFF 50.00' RT

20' COLUMBIA GAS OF OHIO
EASEMENT DB 502 PG 228

N13°03'20"E
28.91'

STA 106+28.91
OFF 50.00' RT

S76°56'40"E
12.00'

STA 106+65.91
OFF 50.00' RT

N13°03'20"E
12.78'

STA 106+00.00
OFF 50.00' RT

30-T

30-T1

STA 106+78.69
OFF 50.00' RT

S30°07'50"E
17.53'

N76°56'40"W
12.00'

S35°35'58"W
31.30'

STA 106+28.91
OFF 62.00' RT

STA 106+65.91
OFF 62.00' RT

20' SANITARY EASEMENT
THE VILLAS AT OLD HARBOR EAST
PLAT BOOK 1880 PAGE 772

12' DEL-CO WATERLINE
EASEMENT

30' DRAINAGE EASEMENT PER
THE VILLAS AT OLD HARBOR EAST
PLAT BOOK 1880 PAGE 772

20' SANITARY EASEMENT PER
THE VILLAS AT OLD HARBOR EAST
PLAT BOOK 1880 PAGE 772

STARBOARD LANE
(R/W VARIES)

28
JOHN J. MCCAMBRIDGE
AND JILL A. MCCAMBRIDGE
4295 SOUTH OLD STATE ROAD
PID:41843301005000
3.120 AC

THE VILLAS AT OLD HARBOR EAST
PLAT BOOK 1880 PAGE 772

30
RESERVE "B"
ROMANELLI AND HUGHES BUILDING COMPANY
SOUTH OLD STATE RD.
PID:41843309008000
2.501 AC

30
RESERVE "A"
ROMANELLI AND HUGHES BUILDING COMPANY
SOUTH OLD STATE RD.
PID:41843308005000
3.594 AC

THE VILLAS AT OLD HARBOR EAST
PLAT BOOK 1880 PAGE 772

Ex U
Ex CH
Ex SH
Ex R/W
TMP
P
PL

REV. BY	DATE	DESCRIPTION
DATE COMPLETED	12/13/2024	

DESIGN AGENCY
KORDA
KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200, Columbus, OH 43215

DESIGNER DRH
REVIEWER TWM 12/13/24
PROJECT ID 1901
SHEET RW.18 TOTAL RW. 35

DEL-CR10-5.60

MODEL: RW1 - S OLD STATE-5 PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:21 AM USER: dhimmelman
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DELAWARE COUNTY
BERLIN TOWNSHIP
R-18, T-4, SEC. 4, FARM LOT 1
UNITED STATES MILITARY LANDS

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY TOPO SHEET
STA. 102+50 TO STA. 107+50

3 PILLAR HOMES VILLAS AT OLD HARBOR WEST, LLC, AN OHIO LIMITED LIABILITY COMPANY
SOUTH OLD STATE RD.
PID:41843311014000
1.403 AC

THE VILLAS AT OLD HARBOR WEST SECTION 1 PLAT CABINET 5 SLIDE 649-649M

RESERVE B

3 PILLAR HOMES VILLAS AT OLD HARBOR WEST, LLC, AN OHIO LIMITED LIABILITY COMPANY
LAGUNA DRIVE
PID:41843311013000
1.553 AC

AMANDA L. KLEIN AND ALFRED A. KLEIN
4324 OLD SOUTH STATE ROAD
PID:41843302004000
2.000 AC

3 PILLAR HOMES VILLAS AT OLD HARBOR WEST, LLC, AN OHIO LIMITED LIABILITY COMPANY
SOUTH OLD STATE RD.
PID:41843311019000
3.118 AC

THE VILLAS AT OLD HARBOR WEST SECTION 1 PLAT CABINET 5 SLIDE 649-649M

VERA VISTA LLC
4180 SOUTH OLD STATE ROAD
PID:41843302003002
2.453 AC

TWO STORY FRAME

RESERVE A

20' SANITARY EASEMENT PLAT CABINET 5 SLIDE 649-649M

20' DRAINAGE EASEMENT PLAT CABINET 5 SLIDE 649-649M

12' UTILITY EASEMENT PLAT CABINET 5 SLIDE 649-649M

12' DEL-CO WATERLINE EASEMENT

20' COLUMBIA GAS OF OHIO EASEMENT DB 502 PG 228

20' SANITARY EASEMENT THE VILLAS AT OLD HARBOR EAST PLAT BOOK 1880 PAGE 772

30' DRAINAGE EASEMENT PER THE VILLAS AT OLD HARBOR EAST PLAT BOOK 1880 PAGE 772

20' SANITARY EASEMENT PER THE VILLAS AT OLD HARBOR EAST PLAT BOOK 1880 PAGE 772

THE VILLAS AT OLD HARBOR EAST PLAT BOOK 1880 PAGE 772

MATCH LINE STA. 102+50

MATCH LINE STA. 107+50

103 MAIL NAIL FOUND STA 103+44.08 (C.R. 10)

104

105

106 STA 106+47.38 (C.R. 10 AND STARBOARD LANE)

107

N13°11'35"E

N13°03'20"E

SOUTH OLD STATE ROAD (C.R. 10) (40' R/W PER) PC 5, SL 649-649M

SOUTH OLD STATE ROAD (C.R. 10) (40' R/W PER) PB 1880, PG. 772

STARBOARD LANE (R/W VARIES)

CONST.LIMITS

SAVE

GRASS

GRAVEL

ASPHALT

CONCRETE

TREES

UTILITY HOUSE

WOODEN PERGOLA

WIRE FENCE

JOHN J. MCCAMBRIDGE AND JILL A. MCCAMBRIDGE
4295 SOUTH OLD STATE ROAD
PID:41843301005000
3.120 AC

RESERVE "B"
ROMANELLI AND HUGHES BUILDING COMPANY
SOUTH OLD STATE RD.
PID:41843309008000
2.501 AC

RESERVE "A"
ROMANELLI AND HUGHES BUILDING COMPANY
SOUTH OLD STATE RD.
PID:41843308005000
3.594 AC

THE VILLAS AT OLD HARBOR EAST PLAT BOOK 1880 PAGE 772

REV. BY	DATE	DESCRIPTION
DATE COMPLETED	12/13/2024	

DESIGN AGENCY
KORDA
KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200, Columbus, OH 43215

DESIGNER DRH
REVIEWER TWM 12/13/24
PROJECT ID 1901
SHEET RW.19 TOTAL RW. 35

DEL-CR10-5.60

MODEL: South Old State - Plan 6 PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:23 AM USER: dhimmelman
H:\Projects\2022_2022 Surveying\2022-7435 DEL-CR10-5.60 South Old State and Hollenback Road\1901\400-Engineering\RW\Sheets\1901_RT006.dgn

DELAWARE COUNTY
BERLIN TOWNSHIP
R-18, T-4, SEC. 4, FARM LOT 2
UNITES STATES MILITARY LANDS

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY BOUNDARY SHEET
STA. 107+50 TO STA. 112+50

31
VERA VISTA, LLC,
AN OHIO LIMITED
LIABILITY COMPANY
4180 SOUTH OLD STATE RD.
PID:41843302003002
2.453 AC

33
FUN ON OLD STATE LLC,
A OHIO LIMITED LIABILITY COMPANY
4088 SOUTH OLD STATE RD.
PID:41843302002000
3.279 AC

35
APRIL LYNN BAGLEY
4074 SOUTH OLD STATE RD.
PID:41843302001000
1.000 AC

MATCH LINE STA. 107+50

STA 107+80.00
OFF 69.00' LT
N13°03'20"E
35.00'
STA 108+15.00
OFF 69.00' LT
S76°56'40"E
25.00'
STA 108+15.00
OFF 44.00' LT
12' DEL-CO
WATERLINE
EASEMENT
N76°56'40"W
31.08'
S14°06'08"W 160.03'
N13°03'20"E 172.93'
CONST.LIMITS
STA 109+87.93
OFF 44.00' LT
S87°27'24"E
9.15'
STA 109+89.60
OFF 35.00' LT
N13°03'20"E 188.07'
N13°03'20"E 49.60'
N14°06'08"E 244.60'
S13°03'20"W 294.43'
STA 107+80.00
OFF 37.92' LT
STA 109+40.00
OFF 35.00' LT
3/4"IRON PIPE FOUND
STA 109+90.26
OFF 29.86' LT
STA 109+90.52
OFF 30.00' LT
S87°27'24"E
5.09'
CONST.LIMITS
6' GAS LINE
EASEMENT
D.V.499, PG.146
N13°03'20"E 228.21'
S13°03'20"W 228.21'
N13°03'20"E
18.14'
STA 111+98.00
OFF 54.00' LT
N13°03'20"E
22.00'
STA 111+76.00
OFF 54.00' LT
N76°56'40"W
10.00'
STA 111+76.00
OFF 44.00' LT
S76°56'40"E
10.00'
STA 111+98.00
OFF 44.00' LT
S87°25'58"E
5.08'
STA 112+18.74
OFF 30.00' LT
STA 112+16.14
OFF 44.00' LT
S87°25'58"E
9.15'
STA 112+17.81
OFF 35.00' LT
N13°03'20"E
152.58'
N13°03'20"E
152.58'
S13°03'20"W
152.58'

108 109 110 111 112

N13°03'20"E
STA 108+64.06
STA 108+69.85
OFF 30.00' RT
SOUTH OLD STATE ROAD(C.R. 10)
(60' R/W ROAD RECORD 1, PG. 147)
STA 109+96.09
STA 110+23.70
STA 110+29.49
OFF 30.00' RT
N13°03'20"E
3/4"IRON PIPE
FOUND
STA 112+18.94
OFF 29.08' LT
STA 112+24.29
STA 112+29.05
STA 112+34.12
OFF 30.00' RT
S86°31'50"E
20.28'
5/8"IRON PIN FOUND
STA 112+37.33
OFF 49.10' RT
STA 112+37.50
OFF 50.00' RT
S86°31'50"E
5.07'
STA 112+38.34
OFF 55.00' RT

MATCH LINE STA. 112+50

STA 108+73.71
OFF 50.00' RT
N87°52'10"W
20.37'
N13°03'20"E 159.64'
N13°03'20"E 204.63'
20' HIGHWAY AND DRAINAGE
EASEMENT DB 1291 PG 2282
N13°03'20"E
23.71'
S87°52'10"E
12.22'
S87°52'10"E
20.37'
STA 110+33.35
OFF 50.00' RT
S13°03'20"W 159.64'
S13°03'20"W 204.15'
S13°03'20"W 204.03'
CONST.LIMITS
STA 108+50.00
OFF 50.00' RT
S37°48'24"W
28.66'
S04°55'15"W
49.47'
STA 109+25.00
OFF 55.00' RT
S13°03'20"W 109.32'
N87°52'10"W
5.09'
STA 110+34.32
OFF 55.00' RT
STA 108+76.03
OFF 62.00' RT

30
RESERVE "A"
ROMANELLI AND HUGHES BUILDING COMPANY
SOUTH OLD STATE RD.
PID:41843308005000
3.594 AC

32
KYLE S. REINKE AND
NAOMI R. REINEKE
4139 SOUTH OLD STATE RD.
PID:41843301003000
1.110 AC

34
SCOTT A. GERMAN
4127 SOUTH OLD STATE RD.
PID:41843301002000
1.870 AC

36
RESERVE "A"
OLD HARBOR ESTATES LLC
3956 SOUTH OLD STATE RD.
PID:41843006003000
1.416 AC

THE VILLAS AT OLD HARBOR EAST
PLAT BOOK 1880 PAGE 772

REV. BY	DATE	DESCRIPTION

DATE COMPLETED 12/13/2024

DESIGN AGENCY
KORDA
KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200, Columbus, OH 43215

DESIGNER DRH
REVIEWER TWM 12/13/24
PROJECT ID 1901
SHEET RW.20 TOTAL RW. 35

DEL-CR10-5.60

MODEL: RW1 - S OLD STATE-6 PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:24 AM USER: dhimmelman
H:\Projects\2022_2022 Surveying\2022-7435 DEL-CR10-5.60 South Old State and Hollenback Road\1901\400-Engineering\RW\Sheets\1901_RB007.dgn

DELAWARE COUNTY
BERLIN TOWNSHIP
R-18, T-4, SEC. 4, FARM LOT 1
UNITED STATES MILITARY LANDS

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY TOPO SHEET
STA. 112+50 TO STA. 117+50

(31)
VERA VISTA, LLC,
AN OHIO LIMITED
LIABILITY COMPANY
4180 SOUTH OLD STATE RD.
PID:41843302003002
2.453 AC

(33)
FUN ON OLD STATE LLC,
A OHIO LIMITED LIABILITY COMPANY
4088 SOUTH OLD STATE RD.
PID:41843302002000
3.279 AC

(35)
APRIL LYNN BAGLEY
4074 SOUTH OLD STATE RD
PID:41843302001000
1.000 AC

2 STORY FRAME

POND

POND

12' DEL-CO WATERLINE EASEMENT

CONST.LIMITS

6' GAS LINE EASEMENT D.V.499, PG.146

MATCH LINE STA. 107+50

MATCH LINE STA. 112+50

SOUTH OLD STATE ROAD(C.R. 10)
(60' R/W ROAD RECORD 1, PG. 147)

N13°03'20"E

N13°03'20"E

PRIVATE SIGN

20' HIGHWAY AND DRAINAGE EASEMENT DB 1291 PG 2282

THE VILLAS AT OLD HARBOR EAST
PLAT BOOK 1880 PAGE 772

(30)
RESERVE "A"
ROMANELLI AND HUGHES BUILDING COMPANY
SOUTH OLD STATE RD.
PID:41843308005000
3.594 AC

(32)
KYLE S. REINKE AND
NAOMI R. REINEKE
4139 SOUTH OLD STATE RD.
PID:41843301003000
1.110 AC

(34)
SCOTT A. GERMAN
4127 SOUTH OLD STATE RD.
PID:41843301002000
1.870 AC

(36)
RESERVE "A"
OLD HARBOR ESTATES LLC
3956 SOUTH OLD STATE RD.
PID:41843006003000
1.416 AC

REV. BY	DATE	DESCRIPTION

DATE COMPLETED

DESIGN AGENCY
KORDA

KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200, Columbus, OH 43215

DESIGNER DRH
REVIEWER TWM 12/13/24
PROJECT ID 1901
SHEET RW.21 TOTAL RW. 35

DEL-CR10-5.60

MODEL: South Old State - Plan 7 PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:25 AM USER: dhimmelman
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DELAWARE COUNTY
BERLIN TOWNSHIP
R-18, T-4, SEC. 4, FARM LOT 2
R-18, T-4, SEC. 4, FARM LOT 3
UNITED STATES MILITARY LANDS

HORIZONTAL SCALE IN FEET
0 10 20 40

SECTION 4 FARM LOT 3
SECTION 4 FARM LOT 2

(35)
APRIL LYNN BAGLEY
4074 SOUTH OLD STATE RD.
PID:41843302001000
1.000 AC

(37)
VCR HOUSE LLC
4040 SOUTH OLD STATE RD.
PID:41843001027000
1.093 AC
(NO TAKE REQUIRED)

(38)
TAYLOR LAND LLC
4006 SOUTH OLD STATE RD.
PID:41843001026000
15.527 AC
(NO TAKE REQUIRED)

(39)
DONALD A. SCHULZ &
ANITA K. SCHULZ
3956 SOUTH OLD STATE RD.
PID:41843001025000
5.000 AC
(NO TAKE REQUIRED)

9' EASEMENT
D.V.532, PG.419

INGRESS-
EGRESS EASEMENT
O.R.802, PG.2044

S87°26'02"E
9.15'

STA 113+68.72
OFF 44.00' LT

STA 113+70.39
OFF 35.00' LT

STA 113+71.32
OFF 30.00' LT

END RW ACQUISITION
STA. 113+71.32
SOUTH OLD STATE ROAD

TMP — *N13°03'20"E 152.58'* — TMP
SH — 35-T *N13°03'20"E 152.58'* — Ex U — SH
Ex SH — 35-SH *S13°03'20"W 152.58'* — Ex SH

S87°26'02"E
5.08'

CONST.LIMITS

MATCH LINE STA. 112+50

113 — *N13°03'20"E* — 114 — 115 — 116 — *N13°03'20"E* — 117

STA 113+76.87

STA 115+29.42

STA 116+50.88

STA 116+51.34
(C.R. 10 AND
OLD HARBOR DRIVE)

SOUTH OLD STATE ROAD (C.R. 10)
(80' R/W PC 4, SL 39-39B)

CONST.LIMITS

10' DRAINGE/UTILITY EASEMENT
OLD HARBOR ESTATES SECTION1
PC 4 SL 39-39B

Ex R/W — Ex R/W — Ex R/W — Ex R/W — Ex R/W

20' SANITARY EASEMENT
OLD HARBOR ESTATES SECTION 1
PC 4 SL 39-39B

(36)
RESERVE A
OLD HARBOR ESTATES LLC
3956 SOUTH OLD STATE RD.
PID:41843006003000
1.416 AC
(NO TAKE REQUIRED)

(40)
LOT 1961
SIENNA FLOAT TRUSTEE
3956 SOUTH OLD STATE RD.
PID:41843006002000
0.404 AC
(NO TAKE REQUIRED)

(41)
LOT 1960
NATHANIEL WILLIAM JOHNSON
3956 SOUTH OLD STATE RD.
PID:41843006001000
0.425 AC
(NO TAKE REQUIRED)

OLD HARBOR ESTATES SECTION 1
PC 4 SL 39-39B

OLD HARBOR DRIVE (60' R/W)

Ex R/W — Ex R/W — ©I.P.F.

Ex R/W
(NO TAKE REQUIRED)

(42)
LOT 2000
GEORGANN E. MAZZOLI TRUSTEE OF THE
"JOYCE T. WINES FAMILY PRESERVATION
TRUST, DATED DECEMBER 28, 2022"
3956 SOUTH OLD STATE RD.
PID:41843005001000
0.530 AC

REV. BY	DATE	DESCRIPTION
DATE COMPLETED	12/13/2024	

RIGHT OF WAY BOUNDARY SHEET
STA. 112+50 TO STA. 117+50

DESIGN AGENCY
KORDA

KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200,
Columbus, OH 43215

DESIGNER: DRH
REVIEWER: TWM 12/13/24
PROJECT ID: 1901
SHEET: RW.22 TOTAL: RW. 35

DEL-CR10-5.60

MODEL: RW1 - S OLD STATE-7 PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:26 AM USER: dhimmelman
H:\Projects\2022_2022 Surveying\2022-7435 DEL-CR10-5.60 South Old State and Hollenback Road\1901\400-Engineering\RW\Sheets\1901_RB008.dgn

DELAWARE COUNTY
BERLIN TOWNSHIP
R-18, T-4, SEC. 4, FARM LOT 1
R-18, T-4, SEC. 4, FARM LOT 2
UNITED STATES MILITARY LANDS

HORIZONTAL SCALE IN FEET
0 10 20 40

SECTION 4 FARM LOT 3
SECTION 4 FARM LOT 2

35
APRIL LYNN BAGLEY
4074 SOUTH OLD STATE RD.
PID:41843302001000
1.000 AC

37
VCR HOUSE LLC
4040 SOUTH OLD STATE RD.
PID:41843001027000
1.093 AC
(NO TAKE REQUIRED)

38
TAYLOR LAND LLC
4006 SOUTH OLD STATE RD.
PID:41843001026000
15.527 AC
(NO TAKE REQUIRED)

39
DONALD A. SCHULZ &
ANITA K. SCHULZ
3956 SOUTH OLD STATE RD.
PID:41843001025000
5.000 AC
(NO TAKE REQUIRED)

9' EASEMENT
D.V.532, PG.419

INGRESS-EGRESS EASEMENT
O.R.802, PG.2044

GRAVEL

GRASS

CONST.LIMITS

MATCH LINE STA. 112+50

EX. 24" CONC

113 114 115 116 117

N13°03'20"E

SOUTH OLD STATE ROAD (C.R. 10)
(80' R/W PC 4, SL 39-39B)

10' DRAINGE/UTILITY EASEMENT
OLD HARBOR ESTATES SECTION1
PC 4 SL 39-39B

20' SANITARY EASEMENT
OLD HARBOR ESTATES SECTION 1
PC 4 SL 39-39B

Ex R/W

OH-Comb

MULTI

36
RESERVE A
OLD HARBOR ESTATES LLC
3956 SOUTH OLD STATE RD.
PID:41843006003000
1.416 AC
(NO TAKE REQUIRED)

40
LOT 1961
SIENNA FLOAT TRUSTEE
3956 SOUTH OLD STATE RD.
PID:41843006002000
0.404 AC
(NO TAKE REQUIRED)

41
LOT 1960
NATHANIEL WILLIAM JOHNSON
3956 SOUTH OLD STATE RD.
PID:41843006001000
0.425 AC
(NO TAKE REQUIRED)

42
LOT 2000
GEORGANN E. MAZZOLI TRUSTEE OF THE "JOYCE T. WINES FAMILY PRESERVATION TRUST, DATED DECEMBER 28, 2022"
3956 SOUTH OLD STATE RD.
PID:41843005001000
0.530 AC
(NO TAKE REQUIRED)

OLD HARBOR ESTATES SECTION 1
PC 4 SL 39-39B

OLD HARBOR DRIVE (60 R/W)

REV. BY	DATE	DESCRIPTION

DATE COMPLETED 12/13/2024

RIGHT OF WAY TOPO SHEET STA. 112+50 TO STA. 117.50

DESIGN AGENCY
KORDA
KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200, Columbus, OH 43215

DESIGNER DRH
REVIEWER TWM 12/13/24
PROJECT ID 1901
SHEET RW.23 TOTAL RW. 35

DEL-CR10-5.60

MODEL: South Old State - Plan 8 PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:27 AM USER: dhimmelman
H:\Projects\2022_2022 Surveying\2022-7435 DEL-CR10-5.60 South Old State and Hollenback Road\1901\400-Engineering\RW\Sheets\1901_RT008.dgn

DELAWARE COUNTY
BERLIN TOWNSHIP
R-18, T-4, SEC. 3, FARM LOT 1
R-18, T-4, SEC. 3, FARM LOT 2
UNITED STATES MILITARY LANDS

HORIZONTAL SCALE IN FEET
0 10 20 40

PIATT MEADOWS PHASE 2
PLAT CABINET 2 SLIDE 317

(51)
DALLAS W. DURST AND
MONIQUE R. DURST
2977 WYSE COURT
PID:41834002008000
0.558 AC
(NO TAKE REQUIRED)

(52)
PIATT MEADOWS HOMEOWNERS ASSOCIATION INC.
HOLLENBACK ROAD
PID:41834001060001
3.149 AC
(NO TAKE REQUIRED)

(53)
DAVID D. HEDGES AND JUDITH E. HEDGES
3049 HOLLENBACK ROAD
PID:41834001064000
2.689 AC

LOT 946
LOT 947
LOT 952

Ex R/W
HOLLENBACK ROAD (T.R. 274)
(30' R/W PER PC 2, SL 317)

STA 180+84.49
OFF 30.00' LT

S86°10'11"E
69.83'
STA 183+49.00
OFF 40.00' LT
N03°49'49"E
10.00'
STA 183+49.00
OFF 30.00' LT
N86°10'11"W
69.78'
53-SH

S86°10'12"E 364.50'
Ex SH

179 180 SECTION 3 FARM LOT 2 181 182 183
SECTION 3 FARM LOT 1
S86°10'12"E 978.70'

STA 180+84.63

HOLLENBACK ROAD (T.R. 274 R/W VARIES)
S86°10'12"E

CONST.LIMITS
MATCH LINE STA. 183+50

HOLLENBACK ROAD (T.R. 274 R/W)
PERPETUAL HIGHWAY EASEMENT
O.R. 24, PG. 47 2.367 AC

BEGIN RW ACQUISITION
STA. 183+49.00
HOLLENBACK ROAD

Ex SH
Ex U
R/W

12' DEL-CO
WATERLINE
EASEMENT
D.V. 517 PG. 599

ROCKFORD HOMES INC
HOLLENBACK ROAD
PID:41834001061002
21.890 AC
(NO TAKE REQUIRED)

BLANKET EASEMENT TO
SUBURBAN NATURAL GAS
D.V. 631 PG. 453

FUTURE DEDICATED
RIGHT OF WAY
(BY OTHERS)

(14)
BAVELIS ZENIOS DEVELOPMENT, LLC
HOLLENBACK ROAD
PID:41834001062002
12.710 AC

(24)
OLD STATE FARM LLC
HOLLENBACK ROAD
PID:41834001061000
49.000 AC

REV. BY	DATE	DESCRIPTION
DATE COMPLETED	12/13/2024	

RIGHT OF WAY BOUNDARY SHEET
STA.178+50 TO STA.183+50

DESIGN AGENCY
KORDA
KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200, Columbus, OH 43215

DESIGNER DRH
REVIEWER TWM 12/13/24
PROJECT ID 1901
SHEET RW.24 TOTAL RW. 35

DEL-CR10-5.60

MODEL: RW2 - Hollenback Boundary Sheets PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:28 AM USER: dhimmelman
H:\Projects\2022_2022 Surveying\2022-7435 DEL-CR10-5.60 South Old State and Hollenback Road\1901\400-Engineering\RW\Sheets\1901_RB009.dgn

DELAWARE COUNTY
BERLIN TOWNSHIP
R-18, T-4, SEC. 3, FARM LOT 1
R-18, T-4, SEC. 3, FARM LOT 2
UNITED STATES MILITARY LANDS

PIATT MEADOWS PHASE 2
PLAT CABINET 2 SLIDE 317

(51)
DALLAS W. DURST AND
MONIQUE R. DURST
2977 WYSE COURT
PID:41834002008000
0.558 AC
(NO TAKE REQUIRED)

(52)
PIATT MEADOWS HOMEOWNERS ASSOCIATION INC.
HOLLENBACK ROAD
PID:41834001060001
3.149 AC
(NO TAKE REQUIRED)

(53)
DAVID D. HEDGES AND JUDITH E. HEDGES
3049 HOLLENBACK ROAD
PID:41834001064000
2.689 AC

LOT 946
LOT 947
LOT 952
12"
12"
14"
14"
6"
6"
6"
3"
4"
3"
3"
PLASTIC 3' PANEL FENCE
GRASS
CONCRETE
Ex R/W
OH-Comb
HOLLENBACK ROAD (T.R. 274)
(30' R/W PER PC 2, SL 317)
Ex SH
53-SH
CONST.LIMITS
179
180
181
182
183
SECTION 3 FARM LOT 2
SECTION 3 FARM LOT 1
HOLLENBACK ROAD (T.R. 274 R/W VARIES)
HOLLENBACK ROAD (T.R. 274 R/W)
PERPETUAL HIGHWAY EASEMENT
O.R. 24, PG. 47 2.367 AC
S86°10'12"E
OH-Comb
FO
OHE
TEL
ASPH.
MATCH LINE STA. 183+50
Ex U
W
G
GRASS
R/W
CULTIVATED FIELD
ROCKFORD HOMES INC
HOLLENBACK ROAD
PID:41834001061002
21.890 AC
(NO TAKE REQUIRED)
12' DEL-CO
WATERLINE
EASEMENT
D.V. 517 PG. 599
BLANKET EASEMENT TO
SUBURBAN NATURAL GAS
D.V. 631 PG. 453
FUTURE DEDICATED
RIGHT OF WAY
(BY OTHERS)
(14)
BAVELIS ZENIOS DEVELOPMENT, LLC
HOLLENBACK ROAD
PID:41834001062002
12.710 AC

HORIZONTAL
SCALE IN FEET
0 10 20 40

RIGHT OF WAY TOPO SHEET
STA.178+50 TO STA.183+50

REV. BY	DATE	DESCRIPTION
DATE COMPLETED	12/13/2024	

DESIGN AGENCY
KORDA
KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200, Columbus, OH 43215

DESIGNER DRH
REVIEWER TWM 12/13/24
PROJECT ID 1901
SHEET RW.25 TOTAL RW. 35

DEL-CR10-5.60

MODEL: RW1 - Hollenback Topo PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:29 AM USER: dhimmelman
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DELAWARE COUNTY
BERLIN TOWNSHIP
R-18, T-4, SEC. 3, FARM LOTS 1 & 2
R-18, T-4, SEC. 4, FARM LOTS 1 & 2
UNITED STATES MILITARY LANDS

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY BOUNDARY SHEET
STA. 183+50 TO STA. 188+50

THE VILLAS AT OLD HARBOR WEST
SECTION 1
PLAT CABINET 5 SLIDE 649-649M

(54) JAMES P. GUNDLING AND LYNDA S. GUNDLING
3089 HOLLENBACK ROAD
PID:41834001066002
7.548 AC

(53) DAVID D. HEDGES AND JUDITH E. HEDGES
3049 HOLLENBACK ROAD
PID:41834001064000
2.689 AC

(55) CHASETEK LLC
HOLLENBACK ROAD
PID:41834001066001
1.469 AC

(55) CHASETEK LLC
3141 HOLLENBACK ROAD
PID:41834001066003
6.475 AC

(29) 3 PILLAR HOMES VILLAS AT OLD HARBOR WEST LLC
SANDBAR DRIVE
PID:41843313001000
1.227 AC

RESERVE E

(24) OLD STATE FARM LLC
HOLLENBACK ROAD
PID:41834001061000
49.000 AC

(56) DEL-CO WATER COMPANY, INC.
HOLLENBACK ROAD
PID:41834001061001
0.646 AC

DEL-CO WATER COMPANY, INC.
HOLLENBACK ROAD
PID:41843303001001
0.115 AC

(24) OLD STATE FARM LLC
4594 SOUTH OLD STATE ROAD
PID:41843303001000
37.288 AC

HOLLENBACK ROAD (T.R. 274 R/W VARIES)
HOLLENBACK ROAD (T.R. 274 R/W)
PERPETUAL HIGHWAY EASEMENT
O.R. 24, PG. 45

MATCH LINE STA. 183+50
MATCH LINE STA. 188+50

SECTION 3 FARM LOT 1
SECTION 3 FARM LOT 2
SECTION 4 FARM LOT 1
SECTION 4 FARM LOT 2

12' DEL-CO WATERLINE EASEMENT D.V. 207 PG. 2474
12' DEL-CO WATERLINE EASEMENT D.V. 570 PG. 821
12' DEL-CO WATERLINE EASEMENT
12' DEL-CO WATERLINE EASEMENT D.V. 517 PG. 599
FUTURE DEDICATED RIGHT OF WAY (BY OTHERS)
BLANKET EASEMENT TO SUBURBAN NATURAL GAS D.V. 631 PG. 453

CONST.LIMITS

CURVE DATA
℄ P.I. = STA. 185+60.55
Δ = 05°16'07" LT
Dc = 02°05'00"
R = 2,750.20'
T = 126.54'
L = 252.90'
E = 2.91'

CURVE NO. 1
Δ = 00°56'51"
R = 2710.20'
L = 44.82'
CHL = 44.82'
CHB = S86°38'37"E

CURVE NO. 2
Δ = 00°56'34"
R = 2720.20'
L = 44.77'
CHL = 44.77'
CHB = N86°38'29"W

CURVE NO. 3
Δ = 04°19'33"
R = 2720.20'
L = 205.37'
CHL = 205.32'
CHB = N89°16'33"W

CURVE NO. 4
Δ = 04°19'16"
R = 2710.20'
L = 204.40'
CHL = 204.35'
CHB = S89°16'41"E

CURVE NO. 5
Δ = 00°30'53"
R = 2710.20'
L = 24.35'
CHL = 24.35'
CHB = S88°49'08"W

CURVE NO. 6
Δ = 01°36'13"
R = 2790.20'
L = 78.10'
CHL = 78.09'
CHB = S89°21'48"W

CURVE NO. 7
Δ = 01°35'23"
R = 2780.20'
L = 77.14'
CHL = 77.14'
CHB = N89°21'23"E

℄ CURVE DATA
P.I. = STA. 188+92.65
Δ = 04°16'21" RT
Dc = 02°05'00"
R = 2,750.20'
T = 102.59'
L = 205.08'
E = 1.91'

PC STA. 184+34.02
PT STA. 186+86.91
PC STA. 187+90.06

REV. BY	DATE	DESCRIPTION
DATE COMPLETED	12/13/2024	

DESIGN AGENCY
KORDA
KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200, Columbus, OH 43215

DESIGNER DRH
REVIEWER TWM 12/13/24
PROJECT ID 1901
SHEET RW.26 TOTAL RW. 35

DEL-CR10-5.60

MODEL: RW2 - Hollenback Boundary Sheets-1 PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:30 AM USER: dhimmelman
H:\Projects\2022_2022 Surveying\2022-7435 DEL-CR10-5.60 South Old State and Hollenback Road\1901\400-Engineering\RW\Sheets\1901_RB010.dgn

DELAWARE COUNTY
BERLIN TOWNSHIP
R-18, T-4, SEC. 3, FARM LOTS 1 & 2
R-18, T-4, SEC. 4, FARM LOTS 1 & 2
UNITED STATES MILITARY LANDS

HORIZONTAL SCALE IN FEET
0 10 20 40

N

THE VILLAS AT OLD HARBOR WEST
SECTION 1
PLAT CABINET 5 SLIDE 649-649M

(29) 3 PILLAR HOMES VILLAS AT OLD HARBOR WEST LLC
SANDBAR DRIVE
PID:41843313001000
1.227 AC

RESERVE E

(54) JAMES P. GUNDLING
AND LYNDA S. GUNDLING
3089 HOLLENBACK ROAD
PID:41834001066002
7.548 AC

(53) DAVID D. HEDGES AND
JUDITH E. HEDGES
3049 HOLLENBACK ROAD
PID:41834001064000
2.689 AC

℄ CURVE DATA
P.I. = STA. 185+60.55
Δ = 05°16'07" LT
Dc = 02°05'00"
R = 2,750.20'
T = 126.54'
L = 252.90'
E = 2.91'

(55) CHASETEK LLC
HOLLENBACK ROAD
PID:41834001066001
1.469 AC

(55) CHASETEK LLC
3141 HOLLENBACK ROAD
PID:41834001066003
6.475 AC

12' DEL-CO WATERLINE EASEMENT D.V. 207 PG. 2474

12' DEL-CO WATERLINE EASEMENT D.V. 570 PG. 821

12' DEL-CO WATERLINE EASEMENT

PLASTIC 3" PANEL FENCE *198.1'LF(TBR)*

PC STA. 184+34.02

PT STA. 186+86.91

SECTION 3 FARM LOT 2
SECTION 4 FARM LOT 2

SECTION 4 FARM LOT 2
SECTION 4 FARM LOT 1

SECTION 3 FARM LOT 2
SECTION 3 FARM LOT 1

HOLLENBACK ROAD (T.R. 274 R/W)
PERPETUAL HIGHWAY EASEMENT
O.R. 24, PG. 45

HOLLENBACK ROAD (T.R. 274 R/W VARIES)

S86°10'12"E

MATCH LINE STA. 183+50

MATCH LINE STA. 188+50

FUTURE DEDICATED RIGHT OF WAY (BY OTHERS)

12' DEL-CO WATERLINE EASEMENT D.V. 517 PG. 599

BLANKET EASEMENT TO SUBURBAN NATURAL GAS D.V. 631 PG. 453

*(TBR)WOOD POSTS

24" DEAD

(24) OLD STATE FARM LLC
HOLLENBACK ROAD
PID:41834001061000
49.000 AC

(56) DEL-CO WATER COMPANY, INC.
HOLLENBACK ROAD
PID:41834001061001
0.646 AC

DEL-CO WATER COMPANY, INC.
HOLLENBACK ROAD
PID:41843303001001
0.115 AC

CULTIVATED FIELD

℄ CURVE DATA
P.I. = STA. 188+92.65
Δ = 04°16'21" RT
Dc = 02°05'00"
R = 2,750.20'
T = 102.59'
L = 205.08'
E = 1.91'

(24) OLD STATE FARM LLC
4594 SOUTH OLD STATE ROAD
PID:41843303001000
37.288 AC

RIGHT OF WAY TOPO SHEET
STA. 183+50 TO STA. 188+50

REV. BY	DATE	DESCRIPTION

DATE COMPLETED 12/13/2024

DESIGN AGENCY
KORDA
KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200,
Columbus, OH 43215

DESIGNER DRH
REVIEWER TWM 12/13/24
PROJECT ID 1901
SHEET RW.27 TOTAL RW. 35

DEL-CR10-5.60

MODEL: RW1 - Hollenback Topo-1 PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:31 AM USER: dhimmelman
H:\Projects\2022_2022 Surveying\2022-7435 DEL-CR10-5.60 South Old State and Hollenback Road\1901\400-Engineering\RW\Sheets\1901_RT010.dgn

DELAWARE COUNTY
BERLIN TOWNSHIP
R-18, T-4, SEC. 4, FARM LOTS 1 & 2
UNITED STATES MILITARY LANDS

THE VILLAS AT OLD HARBOR WEST
SECTION 1
PLAT CABINET 5 SLIDE 649-649M

29

3 PILLAR HOMES VILLAS AT OLD HARBOR WEST LLC
SANDBAR DRIVE
PID:41843302005002
1.646 AC

20' DRAINAGE EASEMENT
THE VILLAS AT OLD HARBOR WEST
SECTION 1 PLAT CABINET 5 SLIDE 649-649M

30' DRAINAGE EASEMENT
THE VILLAS AT OLD HARBOR WEST
SECTION 1 PLAT CABINET 5 SLIDE 649-649M

3 PILLAR HOMES VILLAS AT OLD HARBOR WEST LLC
SANDBAR DRIVE
PID:41843313001000
1.227 AC

RESERVE E

DEL-CO WATERLINE EASEMENT

BOARDWALK DRIVE

Ex U
Ex R/W
TMP
29-T
29-T1
S87°11'32"E 507.84'
N87°09'52"W 535.32'
S87°09'58"E
N87°09'47"W 390.58'
N02°50'02"E 20.00'
S03°24'46"W 21.16'
N03°24'46"E 21.54'
S87°09'56"E 38.57'
S02°50'02"W 21.00'

CURVE NO. 8
Δ = 11°05'21"
R = 35.50'
L = 6.87'
CHL = 6.86'
CHB = S09°07'51"W

CURVE NO. 9
Δ = 10°26'32"
R = 35.50'
L = 6.47'
CHL = 6.46'
CHB = N01°35'17"W

STA 192+49.35 OFF 68.00' LT
STA 192+21.00 OFF 68.00' LT
STA 192+21.00 OFF 48.00' LT
STA 192+49.13 OFF 46.84' LT
STA 192+48.38 OFF 40.00' LT
STA 192+86.71 OFF 40.00'LT
STA 192+86.43 OFF 68.00' LT
STA 193+25.00 OFF 68.00' LT
STA 193+25.00 OFF 47.00' LT
STA 192+86.21 OFF 46.46' LT
STA 192+67.20

MATCH LINE STA. 188+50
MATCH LINE STA. 193+50

189 190 191 192 193

SECTION 4 FARM LOT 2
SECTION 4 FARM LOT 1

HOLLENBACK ROAD (T.R. 274)
(40' R/W PER PC 5, SL 649-649M)

HOLLENBACK ROAD (T.R. 274 R/W) PERPETUAL
HIGHWAY EASEMENT O.R. 24, PG. 47 2.367 AC

Ex SH
CONST.LIMITS
R/W
12' DEL-CO WATERLINE
ESMT D.V. 517 PG. 599

PT STA. 189+95.14

FUTURE DEDICATED
RIGHT OF WAY
(BY OTHERS)

BLANKET EASEMENT TO
SUBURBAN NATURAL GAS
D.V. 631 PG. 453

℄ CURVE DATA
P.I. = STA. 188+92.65
Δ = 04°16'21" RT
Dc = 02°05'00"
R = 2,750.20'
T = 102.59'
L = 205.08'
E = 1.91'

24

OLD STATE FARM LLC
4594 SOUTH OLD STATE ROAD
PID:41843303001000
37.288 AC

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY BOUNDARY SHEET
STA. 188+50 TO STA. 193+50

REV. BY	DATE	DESCRIPTION

DATE COMPLETED 12/13/2024

DESIGN AGENCY
KORDA

KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200,
Columbus, OH 43215

DESIGNER DRH
REVIEWER TWM 12/13/24
PROJECT ID 1901
SHEET RW.28 TOTAL RW. 35

DEL-CR10-5.60

MODEL: RW2 - Hollenback Boundary Sheets-2 PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:33 AM USER: dhimmelman
H:\Projects\2022_2022 Surveying\2022-7435 DEL-CR10-5.60 South Old State and Hollenback Road\1901\400-Engineering\RW\Sheets\1901_RB011.dgn

DELAWARE COUNTY
BERLIN TOWNSHIP
R-18, T-4, SEC. 4, FARM LOTS 1 & 2
UNITED STATES MILITARY LANDS

THE VILLAS AT OLD HARBOR WEST
SECTION 1
PLAT CABINET 5 SLIDE 649-649M

29

3 PILLAR HOMES VILLAS AT OLD HARBOR WEST LLC
SANDBAR DRIVE
PID:41843302005002
1.646 AC

20' DRAINAGE EASEMENT
THE VILLAS AT OLD HARBOR WEST
SECTION 1 PLAT CABINET 5 SLIDE 649-649M

RESERVE E

30' DRAINAGE EASEMENT
THE VILLAS AT OLD HARBOR WEST
SECTION 1 PLAT CABINET 5 SLIDE 649-649M

3 PILLAR HOMES VILLAS AT OLD HARBOR WEST LLC
SANDBAR DRIVE
PID:41843313001000
1.227 AC

RESERVE E

DEL-CO WATERLINE EASEMENT

BOARDWALK DRIVE

3" BOARD FENCE (DND)

3' WOOD FENCE (DND)

WOOD POST (DND)

29-T

29-T1

ASPHALT

GRASS

MATCH LINE STA. 188+50

MATCH LINE STA. 193+50

189 190 191 192 193

SECTION 4 FARM LOT 2

SECTION 4 FARM LOT 1

HOLLENBACK ROAD (T.R. 274)
(40' R/W PER PC 5, SL 649-649M)

HOLLENBACK ROAD (T.R. 274 R/W) PERPETUAL
HIGHWAY EASEMENT O.R. 24, PG. 47 2.367 AC

CONST.LIMITS

12' DEL-CO WATERLINE
ESMT D.V. 517 PG. 599

CULTIVATED FIELD

PT STA. 189+95.14

FUTURE DEDICATED
RIGHT OF WAY
(BY OTHERS)

CULTIVATED FIELD

BLANKET EASEMENT TO
SUBURBAN NATURAL GAS
D.V. 631 PG. 453

℄ CURVE DATA
P.I. = STA. 188+92.65
Δ = 04°16'21" RT
Dc = 02°05'00"
R = 2,750.20'
T = 102.59'
L = 205.08'
E = 1.91'

24

OLD STATE FARM LLC
4594 SOUTH OLD STATE ROAD
PID:41843303001000
37.288 AC

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY TOPO SHEET
STA. 188+50 TO STA. 193+50

REV. BY	DATE	DESCRIPTION
DATE COMPLETED	12/13/2024	

DESIGN AGENCY
KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200, Columbus, OH 43215

DESIGNER DRH
REVIEWER TWM 12/13/24
PROJECT ID 1901
SHEET RW.29 TOTAL RW. 35

DEL-CR10-5.60

MODEL: RW1 - Hollenback Topo-2 PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:34 AM USER: dhimmelman
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DELAWARE COUNTY
BERLIN TOWNSHIP

R-18, T-4, SEC. 4, FARM LOTS 1 & 2
UNITED STATES MILITARY LANDS

THE VILLAS AT
OLD HARBOR WEST
SECTION 1
PLAT CABINET 5
SLIDE 649-649M

30' DRAINAGE EASEMENT
THE VILLAS AT
OLD HARBOR WEST
SECTION 1 PLAT CABINET 5
SLIDE 649-649M

RESERVE B

(29)
3 PILLAR HOMES VILLAS AT OLD HARBOR WEST, LLC,
AN OHIO LIMITED LIABILITY COMPANY
LAGUNA DRIVE
PID:41843311013000
1.553 AC

(27)
AMANDA L. KLEIN
AND ALFRED A. KLEIN
HOLLENBACK ROAD
PID:41843302005001
0.280 AC

(27)
AMANDA L. KLEIN AND ALFRED A. KLEIN
4324 OLD SOUTH STATE ROAD
PID:41843302004000
2.000 AC

12' DEL-CO
WATERLINE
EASEMENT

CONST.LIMITS

STA 196+78.53
OFF 47.00' LT

IRON PIN FOUND
STA 197+41.74
OFF 30.89' LT

S87°09'58"E 353.53'
N87°09'47"W 390.58'
S87°09'58"E 255.24'
N87°09'58"W 255.09'
N87°09'58"W 282.81'

S12°49'36"W
7.11'

STA 196+77.30
OFF 40.00' LT

N12°49'36"E
10.15'

STA 196+75.53
OFF 30.00' LT

HOLLENBACK ROAD (T.R. 274 R/W)
PERPETUAL HIGHWAY EASEMENT
O.R. 71, PG. 1496 0.196 AC

MATCH LINE STA. 193+50

194

1,004.86'
S87°09'58"E

195

HOLLENBACK ROAD (T.R. 274)
(40' R/W PER PC 5, SL 649-649M)

196

SECTION 4 FARM LOT 2

SECTION 4 FARM LOT 1

197

198

STA 196+70.25

STA 197+36.25

HOLLENBACK ROAD (T.R. 274 R/W)
PERPETUAL HIGHWAY EASEMENT
O.R. 24, PG. 47 2.367 AC

HOLLENBACK ROAD (T.R. 274 R/W)
PERPETUAL HIGHWAY EASEMENT
O.R. 24, PG. 47 2.367 AC

MATCH LINE STA. 198+50

CONST.LIMITS

STA 194+40.00
OFF 50.00' RT

N71°54'37"W
57.01'

STA 194+95.00
OFF 65.00' RT

S87°09'58"E 500.18'
N87°09'58"W 396.00'

12' DEL-CO WATERLINE
ESMT D.V. 517 PG. 599

FUTURE DEDICATED
RIGHT OF WAY
(BY OTHERS)

BLANKET EASEMENT TO
SUBURBAN NATURAL GAS
D.V. 631 PG. 453

CONST.LIMITS

FUTURE DEDICATED
RIGHT OF WAY
(BY OTHERS)

(24)
OLD STATE FARM LLC
4594 SOUTH OLD STATE ROAD
PID:41843303001000
37.288 AC

HORIZONTAL
SCALE IN FEET
0 10 20 40

RIGHT OF WAY BOUNDARY SHEET
STA. 193+50 TO STA. 198+50

REV. BY	DATE	DESCRIPTION
DATE COMPLETED	12/13/2024	

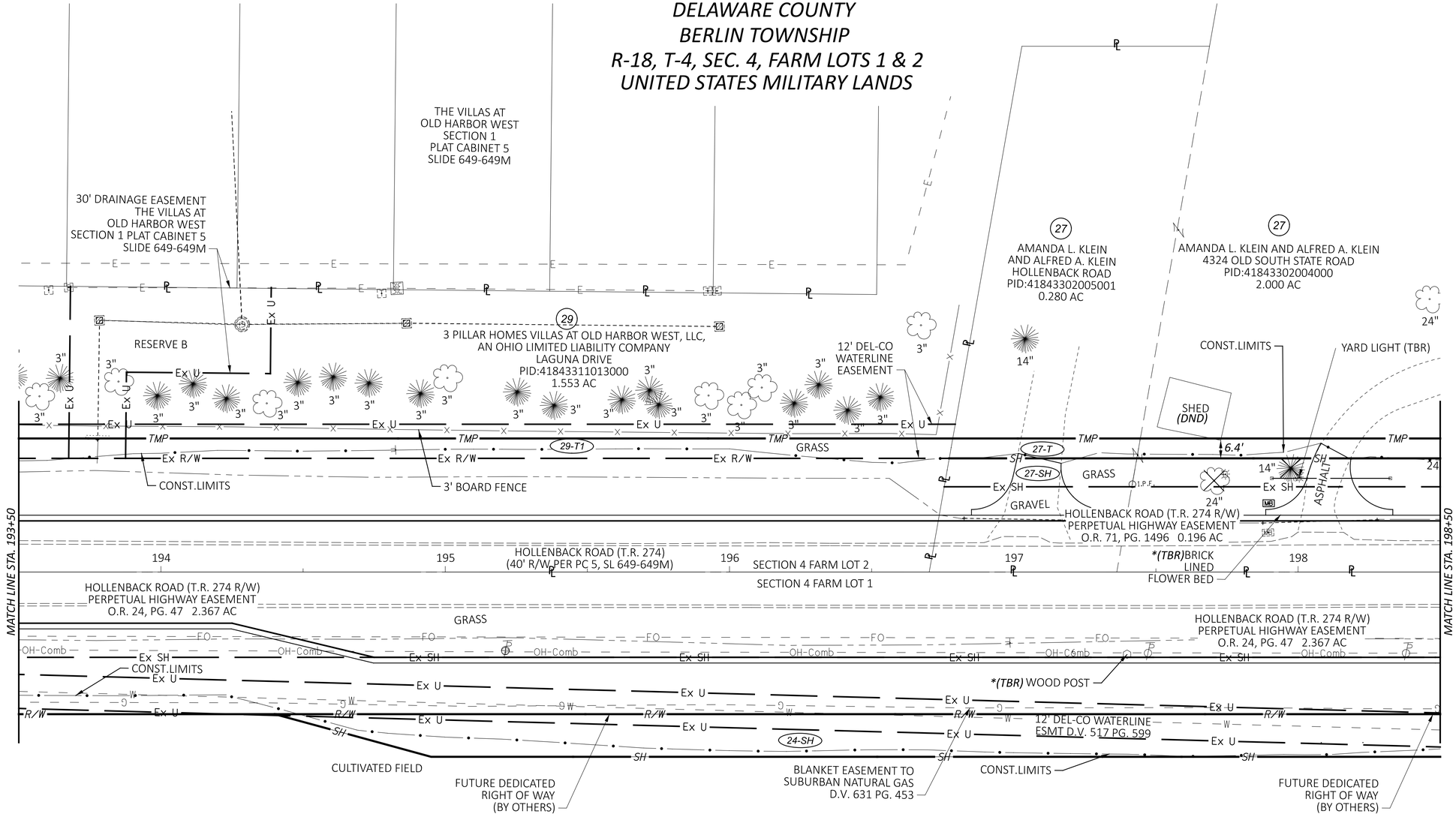
DESIGN AGENCY
KORDA
KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200, Columbus, OH 43215

DESIGNER DRH
REVIEWER TWM 12/13/24
PROJECT ID 1901
SHEET RW.30 TOTAL RW. 35

DEL-CR10-5.60

MODEL: RW2 - Hollenback Boundary Sheets-3 PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:35 AM USER: dhimmelman
H:\Projects\2022_2022 Surveying\2022-7435 DEL-CR10-5.60 South Old State and Hollenback Road\1901\400-Engineering\RW\Sheets\1901_RB012.dgn

DELAWARE COUNTY
BERLIN TOWNSHIP
R-18, T-4, SEC. 4, FARM LOTS 1 & 2
UNITED STATES MILITARY LANDS



(24)
OLD STATE FARM LLC
4594 SOUTH OLD STATE ROAD
PID:41843303001000
37.288 AC

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY TOPO SHEET
STA. 193+50 TO STA. 198+50

REV. BY	DATE	DESCRIPTION
DATE COMPLETED	12/13/2024	

DESIGN AGENCY
KORDA
KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200, Columbus, OH 43215

DESIGNER DRH
REVIEWER TWM 12/13/24
PROJECT ID 1901
SHEET RW.31 TOTAL RW. 35

DEL-CR10-5.60

MODEL: RW1 - Hollenback Topo-3 PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:36 AM USER: dhimmelman
H:\Projects\2022_2022 Surveying\2022-7435 DEL-CR10-5.60 South Old State and Hollenback Road\1901\400-Engineering\RW\Sheets\1901_RT012.dgn

SEE SHEET RW 16

DELAWARE COUNTY
BERLIN TOWNSHIP
R-18, T-4, SEC. 4, FARM LOTS 1 & 2
UNITED STATES MILITARY LANDS

HORIZONTAL SCALE IN FEET
0 10 20 40

27
AMANDA L. KLEIN AND
ALFRED A. KLEIN
4324 OLD SOUTH
STATE ROAD
PID:41843302004000
2.000 AC

28
JOHN J. MCCAMBRIDGE
AND JILL A. MCCAMBRIDGE
4295 SOUTH OLD STATE ROAD
PID:41843301005000
3.120 AC

24
OLD STATE FARM LLC
4594 SOUTH OLD STATE ROAD
PID:41843303001000
37.288 AC

26
PANHANDLE ROAD, LTD.
3440 HOLLENBACK ROAD
PID:41843304001000
1.000 AC

LOT 750
MARINER'S WATCH SECTION 3
PLAT CABINET 2 SLIDE 95

HOLLENBACK ROAD (T.R. 274 R/W)
PERPETUAL HIGHWAY EASEMENT
O.R. 71, PG. 1496 0.196 AC

HOLLENBACK ROAD (T.R. 274 R/W)
PERPETUAL HIGHWAY EASEMENT
O.R. 24, PG. 47 2.367 AC

HOLLENBACK ROAD
(T.R. 274 60' R/W PER COUNTY ENGINEER)

HOLLENBACK ROAD (T.R. 274)
PERPETUAL HIGHWAY EASEMENT
PER O.R. 228, PG. 2005

SOUTH OLD STATE (C.R. 10)
(60' R/W ROAD RECORD 1, PG. 147)

AEP EASEMENT
D.V. 595 PG. 2014

12' DEL-CO
WATERLINE
EASEMENT
D.V. 517 PG. 599

20' EASEMENT TO
COLUMBUS GAS OF OHIO
PER D.V. 502 PG. 266

GTE EASEMENT
DB 584 PG 846

CONST. LIMITS

MATCH LINE STA. 198+50

MATCH LINE STA. 203+50

SECTION 4 FARM LOT 2

SECTION 4 FARM LOT 1

COTTEN GIN SPIKE FOUND
EX.℄ SOUTH OLD STATE ROAD
STA 100+00.00
EX.℄ HOLLENBACK ROAD
STA 200+00.00

CONCRETE
MONUMENT
FOUND

S87°09'58"E 199.00'
N87°09'58"W 255.09'
N87°09'58"W 282.81'
S87°09'58"E 255.24'
N13°11'35"E 136.16'
S13°11'35"W 138.38'
N13°11'35"E 274.27'
S13°11'35"W 297.33'
N13°11'35"E 313.43'
S13°11'35"W 237.86'
S13°11'35"W 266.38'
N13°11'35"E
S86°43'22"E 792.99'
N86°43'22"W 393.37'
S86°43'22"E 327.15'
S86°43'22"E 225.07'
N86°43'22"W 147.52'
S87°09'58"E 500.18'
N87°09'58"W 396.00'
N37°13'48"W 46.48'
N13°02'47"E 837.00'
S13°02'47"W 1,040.18'
N13°02'47"E 141.14'
N13°02'47"E 72.85'
S13°02'47"W 71.98'
S53°33'22"W 25.29'
S03°16'38"W 5.08'
S03°16'38"W 5.00'
N86°48'21"W 5.07'
N86°48'21"W 15.22'

STA 199+63.28 OFF 71.61' LT
Δ=79°38'27" R=30.00' L=41.70' CH=38.42' CHB=N53°00'48"E
Δ=79°38'27" R=35.00' L=48.65' CH=44.83' CHB=S53°00'48"W
STA 199+33.77 OFF 47.00' LT
STA 199+32.38 OFF 40.00' LT
STA 199+58.34 OFF 30.00' LT
STA 199+66.81 OFF 68.71' LT
STA 199+77.91 OFF 46.01' LT
STA 200+52.77 OFF 98.61' LT
Δ=25°50'31" R=50.00' L=22.55' CH=22.36' CHB=N00°16'20"E
STA 200+53.94 OFF 76.28' LT
Δ=99°54'57" R=50.00' L=87.19' CH=76.56' CHB=N36°45'53"W
STA 201+02.02 OFF 40.00' LT
STA 200+35.70 OFF 30.00' LT
STA 198+91.00 OFF 65.00' RT
STA 199+44.76 OFF 46.93' RT
STA 199+40.18 OFF 50.00' RT
STA 199+20.92 OFF 100.57' RT
STA 199+69.57 OFF 168.91' RT
STA 200+01.33 OFF 169.09' RT
STA 200+11.48 OFF 169.08' RT
STA 200+16.55 OFF 169.07' RT
STA 200+21.63 OFF 169.06' RT
STA 200+25.28 OFF 30.00' RT
Δ=80°13'51" R=75.00' L=105.02' CH=96.65' CHB=S53°09'43"W
STA 201+02.83 OFF 35.00' RT
STA 200+90.00 OFF 36.10' RT
STA 200+90.00 OFF 41.19' RT
Δ=70°23'01" R=75.00' L=92.13' CH=86.45' CHB=N48°14'18"E
STA 200+33.84 OFF 98.12' RT
STA 200+28.91 OFF 97.27' RT
Δ=69°40'21" R=70.00' L=85.12' CH=79.97' CHB=S47°52'58"W
STA 202+50.34 OFF 30.00' RT
STA 202+50.34 OFF 35.00' RT

SEE SHEET RW 16

DEL-CR10-5.60

MODEL: RW2 - Hollenback Boundary Sheets-4 PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:37 AM USER: dhimmelman
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RIGHT OF WAY BOUNDARY SHEET
STA. 198+50 TO STA. 203+50

REV. BY	DATE	DESCRIPTION
DATE COMPLETED	12/13/2024	

DESIGN AGENCY
KORDA
KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200, Columbus, OH 43215

DESIGNER DRH
REVIEWER TWM 12/13/24
PROJECT ID 1901
SHEET RW.32 TOTAL RW. 35

DELAWARE COUNTY
BERLIN TOWNSHIP
R-18, T-4, SEC. 4, FARM LOTS 1 & 2
UNITED STATES MILITARY LANDS

SEE SHEET RW 17

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY TOPO SHEET
STA. 198+50 TO STA. 203+50

1 STORY FRAME

2 STORY FRAME

27 AMANDA L. KLEIN AND ALFRED A. KLEIN
4324 OLD SOUTH STATE ROAD
PID:41843302004000
2.000 AC

28 JOHN J. MCCAMBRIDGE AND JILL A. MCCAMBRIDGE
4295 SOUTH OLD STATE ROAD
PID:41843301005000
3.120 AC

24 OLD STATE FARM LLC
4594 SOUTH OLD STATE ROAD
PID:41843303001000
37.288 AC

26 PANHANDLE ROAD, LTD.
3440 HOLLENBACK ROAD
PID:41843304001000
1.000 AC

SOUTH OLD STATE (C.R. 10)
(60' R/W ROAD RECORD 1, PG. 147)
N13°11'35"E

SOUTH OLD STATE (C.R. 10)
(60' R/W ROAD RECORD 1, PG. 147)
N13°02'47"E

AEP EASEMENT D.V. 595 PG. 2014

PLASTIC SOLAR LIGHTS (TBR)

7' WOOD FENCE

4' WOOD FENCE 8.0 LF(TBR)

4' WOOD FENCE 15.0 LF (TBR)

4' WOOD FENCE 16.3 LF(TBR)

5' WOOD FENCE

6' WOOD FENCE

WIRE FENCE *170.8'LF(TBR)

GARDEN

METAL POST

GARAGE

CULTIVATED FIELD

DENSE TREES

GRAVEL

12" CMP

HOLLENBACK ROAD (T.R. 274 R/W)
PERPETUAL HIGHWAY EASEMENT
O.R. 71, PG. 1496 0.196 AC

HOLLENBACK ROAD (T.R. 274 R/W)
PERPETUAL HIGHWAY EASEMENT
O.R. 24, PG. 47 2.367 AC

HOLLENBACK ROAD
(T.R. 274 60' R/W PER COUNTY ENGINEER)

HOLLENBACK ROAD (T.R. 274)
PERPETUAL HIGHWAY EASEMENT
PER O.R. 228, PG. 2005

SECTION 4 FARM LOT 2

SECTION 4 FARM LOT 1

20' EASEMENT TO COLUMBIS GAS OF OHIO PER D.V. 502 PG. 266

GTE EASEMENT DB 584 PG 846

LOT 750
MARINER'S WATCH SECTION 3
PLAT CABINET 2 SLIDE 95

S87°09'58"E

S86°43'22"E

72.4'

67.0'

115.9'

66.2'

58.0'

MATCH LINE STA. 198+50

MATCH LINE STA. 203+50

SEE SHEET RW 17

REV. BY	DATE	DESCRIPTION
DATE COMPLETED	12/13/2024	

DESIGN AGENCY
KORDA

KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200, Columbus, OH 43215

DESIGNER DRH
REVIEWER TWM 12/13/24
PROJECT ID 1901
SHEET RW.33 TOTAL RW. 35

DEL-CR10-5.60

MODEL: RW1 - Hollenback Topo-4 PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:39 AM USER: dhimmelman
H:\Projects\2022_2022 Surveying\2022-7435 DEL-CR10-5.60 South Old State and Hollenback Road\1901\400-Engineering\RW\Sheets\1901_RT013.dgn

DELAWARE COUNTY
BERLIN TOWNSHIP
R-18, T-4, SEC. 4, FARM LOTS 1 & 2
UNITED STATES MILITARY LANDS

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY BOUNDARY SHEET
STA. 203+50 TO STA. 208+50

TENNIHILL ESTATES
PLAT CABINET 1 SLIDE 315

(28) JOHN J. MCCAMBRIDGE
AND JILL A. MCCAMBRIDGE
4295 SOUTH OLD STATE ROAD
PID:41843301005000
3.120 AC

(57) JOHN C. COLLOPY AND JACLYN M. COLLOPY
3531 HOLLENBACK ROAD
PID:41843301006000
1.000 AC

(58) NICHOLAS ROTHENBERGER AND
HEATHER W. ROTHENBERGER
3575 HOLLENBACK ROAD
PID:41843301007000
1.047 AC

(59) CHRISTINA J. DILLON
3601 HOLLENBACK ROAD
PID:41843301008000
1.235 AC
(NO TAKE REQUIRED)

LOT 492

LOT 493

LOT 701

(26) PANHANDLE ROAD, LTD.,
AN OHIO LIMITED
LIABILITY COMPANY
3440 HOLLENBACK ROAD
PID:41843304001000
1.900 AC

(60) ANTHONY M. CONDO
3758 HOLLENBACK ROAD
PID:41843305039000
0.617 AC
(NO TAKE REQUIRED)

MATCH LINE STA. 203+50

MATCH LINE STA. 208+50

N03°49'14"E 10.00'

STA 204+29.17 OFF 40.00' LT

S86°43'22"E 327.15'

S86°43'22"E 134.87'

S03°57'20"W 10.00'

STA 205+64.04 OFF 40.00' LT

5/8" IRON PIN FOUND STA 205+64.04 OFF 39.68' LT

STA 205+63.97 OFF 34.31' LT

12' DEL-CO WATERLINE EASEMENT

N86°43'22"W 393.37'

N86°43'22"W 134.85'

CONST.LIMITS

STA 205+63.92 OFF 30.00' LT

N03°57'20"E 4.31'

S86°51'19"E 149.99'

20' SANITARY EASEMENT PER TENNIHILL SUBDIVISION PLAT CABINET 1, SLIDE 315

STA 207+13.96 OFF 34.66' LT

5/8"IRON PIN FOUND STA 207+14.02 OFF 39.74' LT

N03°55'29"E 4.66'

3/4" IRON PIPE FOUND STA 207+17.02 OFF 27.28' LT

PI STA. 207+92.99

N86°43'22"W 149.99'

STA 207+13.91 OFF 30.00' LT

CONST.LIMITS

5/8"IRON PIN FOUND STA 207+13.86 OFF 29.76' LT

STA 204+29.07 OFF 30.00' LT

3/4"IRON PIPE FOUND STA 204+29.07 OFF 29.38' LT

STA 205+63.57

204 205 206 207 208

S86°43'22"E

S87°01'07"E

SECTION 4 FARM LOT 2

SECTION 4 FARM LOT 1

HOLLENBACK ROAD (T.R. 274)
PERPETUAL HIGHWAY EASEMENT
PER O.R. 228, PG. 2005

HOLLENBACK ROAD (T.R. 274)
(30' R/W PER COUNTY ENGINEER)

HOLLENBACK ROAD (T.R. 274)
(30' R/W PER PC 1, SL 315)

HOLLENBACK ROAD (T.R. 274)
(40' R/W PER PC 2, SL 95-95B)

END RW ACQUISITION
STA. 202+14.02
HOLLENBACK ROAD

RAILROAD SPIKE FOUND
STA. 207+92.99

STA 204+28.79

STA 204+33.56 OFF 30.00' RT

STA 207+86.37 OFF 40.00' RT

CONST.LIMITS

CONST.LIMITS

Ex U
Ex SH
Ex R/W
TMP
SH
57-SH
58-T
℄
1.P.F.

REV. BY	DATE	DESCRIPTION

DATE COMPLETED 12/13/2024

DESIGN AGENCY
KORDA

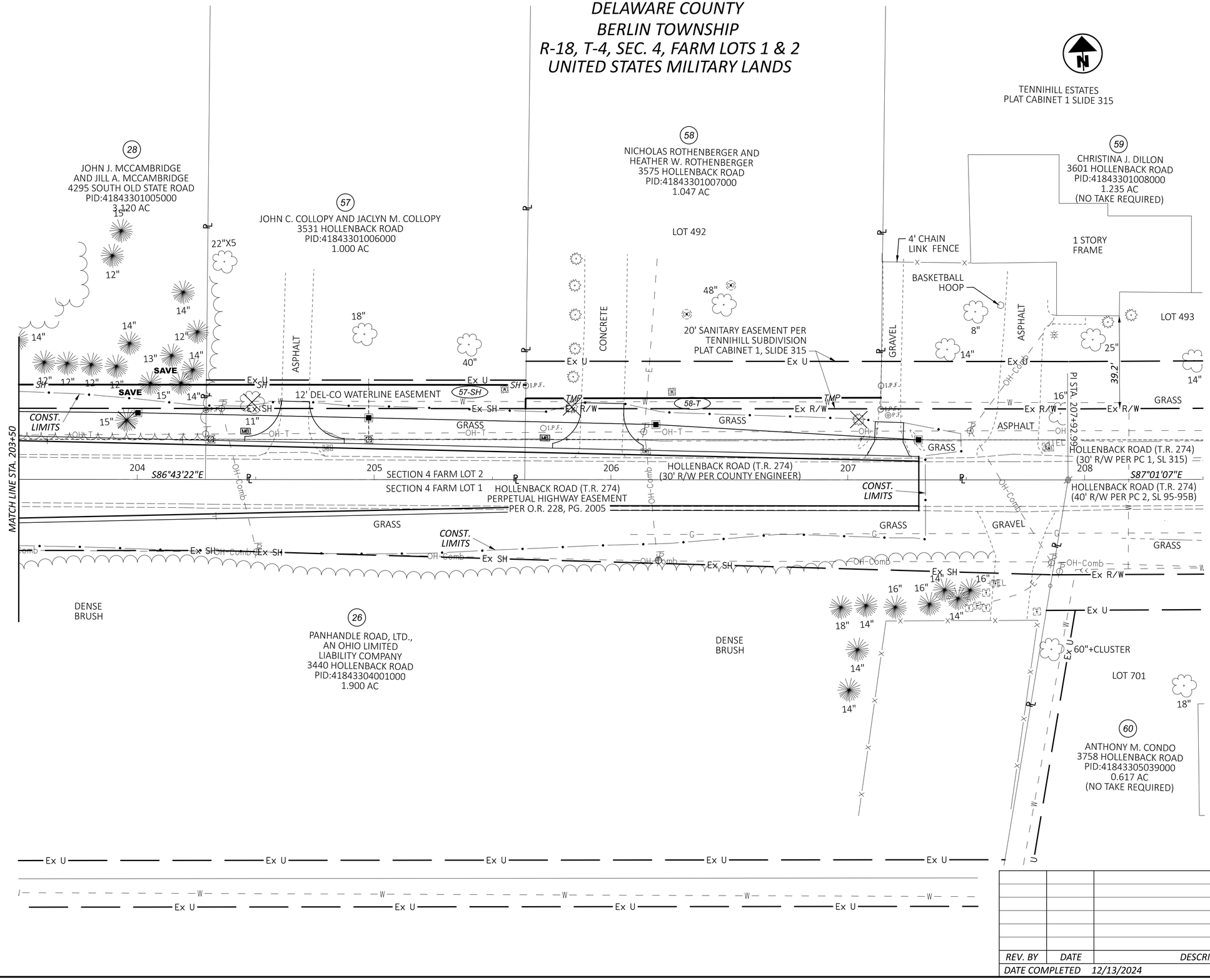
KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200, Columbus, OH 43215

DESIGNER DRH
REVIEWER TWM 12/13/24
PROJECT ID 1901
SHEET RW.34 TOTAL RW. 35

DEL-CR10-5.60

MODEL: RW2 - Hollenback Boundary Sheets-5 PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:41 AM USER: dhimmelman
H:\Projects\2022_2022 Surveying\2022-7435 DEL-CR10-5.60 South Old State and Hollenback Road\1901\00-Engineering\RW\Sheets\1901_RB014.dgn

DELAWARE COUNTY
BERLIN TOWNSHIP
R-18, T-4, SEC. 4, FARM LOTS 1 & 2
UNITED STATES MILITARY LANDS



HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY TOPO SHEET
STA. 203+50 TO STA. 208+50

REV. BY	DATE	DESCRIPTION
DATE COMPLETED	12/13/2024	

DESIGN AGENCY
KORDA
KORDA / NEMETH ENGINEERING, INC
1650 Watermark Drive, Suite 200, Columbus, OH 43215

DESIGNER DRH
REVIEWER TWM 12/13/24
PROJECT ID 1901
SHEET RW.35 TOTAL RW. 35

DEL-CR10-5.60

MODEL: RW1 - Hollenback Topo-5 PAPERSIZE: 34x22 (in.) DATE: 12/13/2024 TIME: 11:29:42 AM USER: dhimmelman
H:\Projects\2022_2022 Surveying\2022-7435 DEL-CR10-5.60 South Old State and Hollenback Road\1901\400-Engineering\RW\Sheets\1901_RT014.dgn