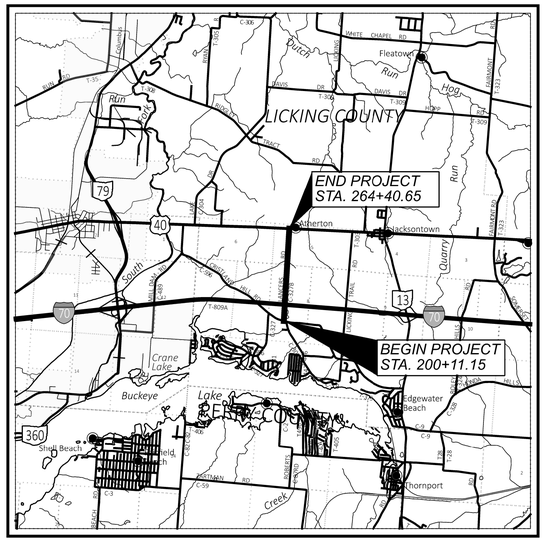
STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

LIC-CR 327-0.00

LANCER ROAD SHARED-USE PATH

LICKING TOWNSHIP

LICKING COUNTY



LOCATION MAP

LATITUDE: 39°57'05" LONGITUDE: 82°26'18"

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

DESIGN DESIGNATION

CURRENT ADT (20XX)	*N/A*
DESIGN YEAR ADT (20XX)	*N/A*
DESIGN HOURLY VOLUME (20XX)	*N/A*
DIRECTIONAL DISTRIBUTION	*N/A*
TRUCKS (24 HOUR B&C)	*N/A*
DESIGN SPEED	*N/A*
LEGAL SPEED	*N/A*
DESIGN FUNCTIONAL CLASSIFICATION:	*N/A*
NHS PROJECT	*N/A*

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

NONE REQUIRED

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:
OHM ADVISORS
580 N. 4TH ST. #610
COLUMBUS, OHIO 43215

ENGINEER'S SEAL

STATE OF OHIO · CHRISTOPHER L DEKLE · E-82865 · REGISTERED PROFESSIONAL ENGINEER

Digitally signed by Christopher L. Dekle
Date: 2024.11.18 17:27:15-05'00'

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FEDERAL PROJECT NUMBER

E240011

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

TO CONSTRUCT A BIKE PATH FROM TERMINUS OF AN EXISTING BIKE PATH AT U.S. 40 TO CRISTLAND HILL ROAD. THIS PROJECT CONSISTS OF 1.22 MILES OF ASPHALT BIKE PATH ON TOP OF AN EXISTING RAILROAD BED IN LICKING COUNTY, OHIO.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	*4.05 ACRES*
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	*0.0 ACRES*
NOTICE OF INTENT EARTH DISTURBED AREA:	*4.05 ACRES*

2023 SPECIFICATIONS

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

Kyle Lund
Director, Licking Park District

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

Jack Marchbanks, PhD
Director, Department of Transportation

STANDARD CONSTRUCTION DRAWINGS

BP-3.1	*1/19/24*	*MT-97.10*	*4/19/19*				
BP-4.1	*7/19/13*						
BP-5.1	*7/15/22*	*TC-41.20*	*10/18/13*				
BP-7.1	*1/19/24*	*TC-42.20*	*10/18/13*				
		TC-74.10	*7/21/23*				
DM-1.1	*7/17/20*						

SUPPLEMENTAL SPECIFICATIONS

800	*7/19/24*
823	*10/20/23*
832	*7/21/23*

SPECIAL PROVISIONS

GEOTECHNICAL REPORT	*5/30/24*

TITLE SHEET

DESIGN AGENCY: OHM
DESIGNER: SEH
REVIEWER: CLD 08/16/24
PROJECT ID: 117100
SHEET 1 TOTAL 56

LIC-CR327-0.00

MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 11/18/2024 TIME: 3:46:25 PM USER: cdekle
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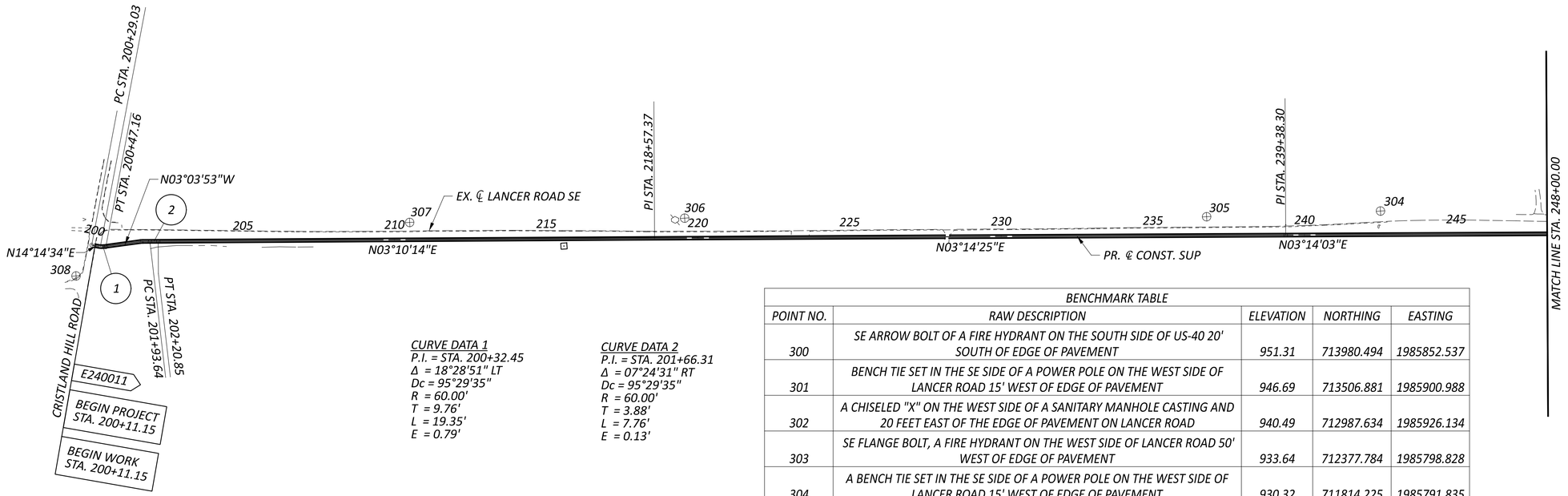
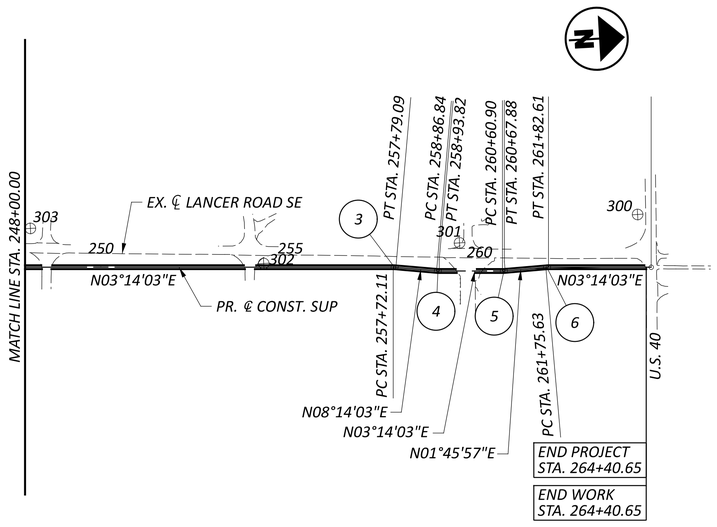


CURVE DATA 1
P.I. = STA. 200+32.45
Δ = 18°28'51" LT
Dc = 95°29'35"
R = 60.00'
T = 9.76'
L = 19.35'
E = 0.79'

CURVE DATA 2
P.I. = STA. 201+66.31
Δ = 07°24'31" RT
Dc = 95°29'35"
R = 60.00'
T = 3.88'
L = 7.76'
E = 0.13'

BENCHMARK TABLE				
POINT NO.	RAW DESCRIPTION	ELEVATION	NORTHING	EASTING
300	SE ARROW BOLT OF A FIRE HYDRANT ON THE SOUTH SIDE OF US-40 20' SOUTH OF EDGE OF PAVEMENT	951.31	713980.494	1985852.537
301	BENCH TIE SET IN THE SE SIDE OF A POWER POLE ON THE WEST SIDE OF LANCER ROAD 15' WEST OF EDGE OF PAVEMENT	946.69	713506.881	1985900.988
302	A CHISELED "X" ON THE WEST SIDE OF A SANITARY MANHOLE CASTING AND 20 FEET EAST OF THE EDGE OF PAVEMENT ON LANCER ROAD	940.49	712987.634	1985926.134
303	SE FLANGE BOLT, A FIRE HYDRANT ON THE WEST SIDE OF LANCER ROAD 50' WEST OF EDGE OF PAVEMENT	933.64	712377.784	1985798.828
304	A BENCH TIE SET IN THE SE SIDE OF A POWER POLE ON THE WEST SIDE OF LANCER ROAD 15' WEST OF EDGE OF PAVEMENT	930.32	711814.225	1985791.835
305	A BENCH TIE SET IN THE SE SIDE OF A POWER POLE ON THE WEST SIDE OF LANCER ROAD 20' WEST OF EDGE OF PAVEMENT	932.71	711240.888	1985775.302
306	A BENCH TIE SET IN THE SE SIDE OF A POWER POLE ON THE WEST SIDE OF LANCER ROAD 40' WEST OF EDGE OF PAVEMENT	960.25	709523.073	1985674.269
307	¾" PIPE WITH NO CAP SET 0.5' ABOVE EXISTING GROUND AND BEING 25 FEET WEST OF THE CENTERLINE OF LANCER ROAD	945.62	708617.326	1985632.574
308	BENCH TIE SET IN THE NE SIDE OF A POWER POLE ON THE SOUTH SIDE OF CRISTLAND HILL ROAD AND 20' WEST OF EDGE OF PAVEMENT OF LANCER ROAD, EXTENDED	933.67	707508.650	1985740.849



CONTROL TABLE				
POINT NO.	RAW DESCRIPTION	ELEVATION	NORTHING	EASTING
100	⅝" IRON PIN SET, RED CAP "OHM TRAV"	949.71	714030.100	1985980.174
101	⅝" IRON PIN SET, RED CAP "OHM TRAV"	945.65	713474.654	1985955.931
102	⅝" IRON PIN SET, RED CAP "OHM TRAV"	936.23	712788.905	1985908.407
103	⅝" IRON PIN SET, RED CAP "OHM TRAV"	928.11	712196.727	1985854.598
104	⅝" IRON PIN SET, RED CAP "OHM TRAV"	927.99	711799.698	1985798.028
105	⅝" IRON PIN SET, RED CAP "OHM TRAV"	930.61	711288.849	1985785.313
106	⅝" IRON PIN SET, RED CAP "OHM TRAV"	943.56	710614.994	1985749.074
107	⅝" IRON PIN SET, RED CAP "OHM TRAV"	949.36	709974.512	1985716.452
108	⅝" IRON PIN SET, RED CAP "OHM TRAV"	959.05	709472.349	1985719.944
109	⅝" IRON PIN SET, RED CAP "OHM TRAV"	960.00	708940.767	1985651.829
110	⅝" IRON PIN SET, RED CAP "OHM TRAV"	943.62	708591.160	1985633.789
111	⅝" IRON PIN SET, RED CAP "OHM TRAV"	927.64	707966.480	1985622.666
112	⅝" IRON PIN SET, RED CAP "OHM TRAV"	933.23	707557.152	1985602.384

CURVE DATA 3
P.I. = STA. 257+75.60
Δ = 05°00'00" RT
Dc = 71°37'11"
R = 80.00'
T = 3.49'
L = 6.98'
E = 0.08'

CURVE DATA 4
P.I. = STA. 258+90.33
Δ = 05°00'00" LT
Dc = 71°37'11"
R = 80.00'
T = 3.49'
L = 6.98'
E = 0.08'

CURVE DATA 5
P.I. = STA. 260=64.39
Δ = 05°00'00 LT
Dc = 71°37'11"
R = 80.00'
T = 3.49'
L = 6.98'
E = 0.08'

CURVE DATA 6
P.I. = STA. 261+79.12
Δ = 05°00'00" RT
Dc = 71°37'11"
R = 80.00'
T = 3.49'
L = 6.98'
E = 0.08'

HORIZONTAL SCALE IN FEET
0 50 100 200

SCHEMATIC PLAN

LIC-CR327-0.00

MODEL: CLP_LANCER_SUP-2 - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 8/15/2024 TIME: 9:06:51 AM USER: cdekle
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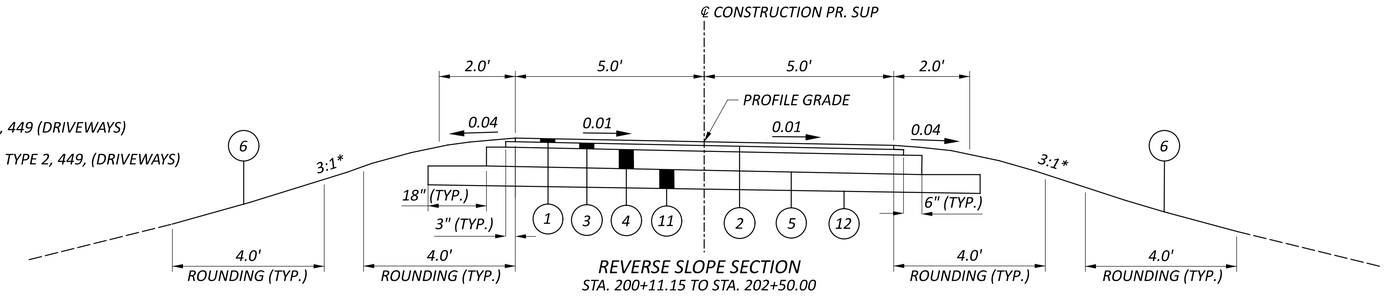
DESIGN AGENCY
OHM

DESIGNER SEH
REVIEWER CLD 08/16/24
PROJECT ID 117100
SHEET 2 TOTAL 56

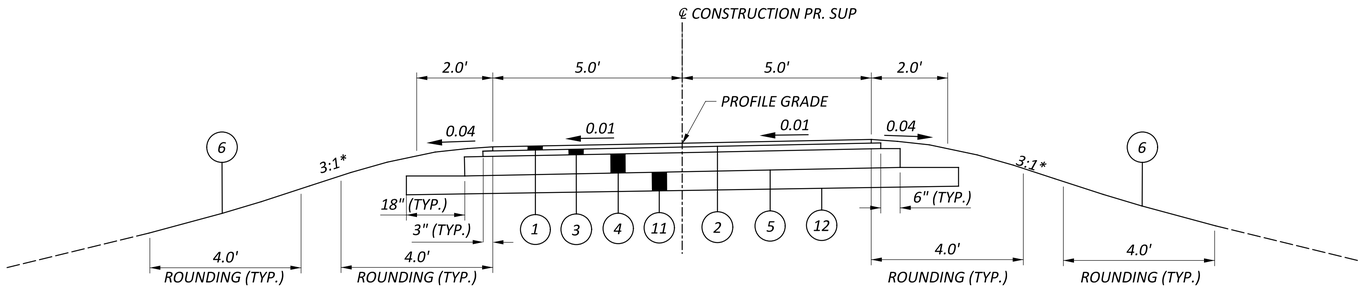
LEGEND

1. *ITEM 823 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22*
2. *ITEM 407 - NON-TRACKING TACK COAT (0.06 GAL/SY)*
3. *ITEM 823 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)*
4. *ITEM 304 - 6" AGGREGATE BASE*
5. *ITEM 204 - SUBGRADE COMPACTION*
6. *ITEM 659 - SEEDING AND MULCHING*
7. *ITEM 304 - 8" AGGREGATE BASE*
8. *ITEM 441 - 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, 449 (DRIVEWAYS)*
9. *ITEM 441 - 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, 449, (DRIVEWAYS)*
10. *ITEM 301 - 4" ASPHALT CONCRETE, BASE COURSE*
11. *ITEM 204 - GRANULAR MATERIAL TYPE C*
12. *ITEM 204 - GEOGRID*

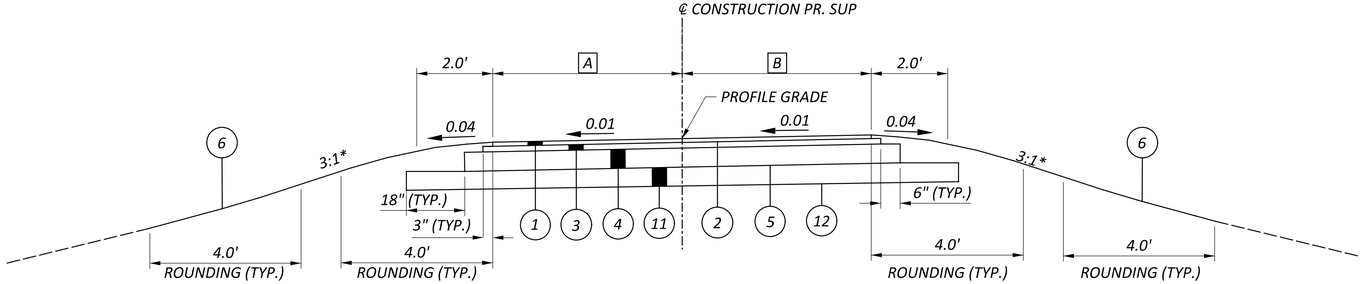
** OR AS SHOWN ON THE CROSS SECTIONS*



REVERSE SLOPE SECTION
STA. 200+11.15 TO STA. 202+50.00



NORMAL SECTION
STA. 202+50.00 TO STA. 209+50.00
STA. 218+90.00 TO STA. 248+42.89
STA. 248+71.84 TO STA. 253+00.00
STA. 255+00.00 TO STA. 259+37.21
STA. 259+93.23 TO STA. 264+40.65



NORMAL SECTION
STA. 253+00.00 TO STA. 255+00.00

A	
5' TO 7'	*FROM STA. 253+00 TO STA. 253+50*
7'	*FROM STA. 253+50 TO STA. 254+50*
7' TO 5'	*FROM STA. 254+50 TO STA. 255+00*

B	
5' TO 3'	*FROM STA. 253+00 TO STA. 253+50*
3'	*FROM STA. 253+50 TO STA. 254+50*
3' TO 5'	*FROM STA. 254+50 TO STA. 255+00*

TYPICAL SECTIONS

DESIGN AGENCY
OHM

DESIGNER
RRV

REVIEWER
CLD 08/16/24

PROJECT ID
117100

SHEET 3 | TOTAL 56

LIC-CR327-0.00

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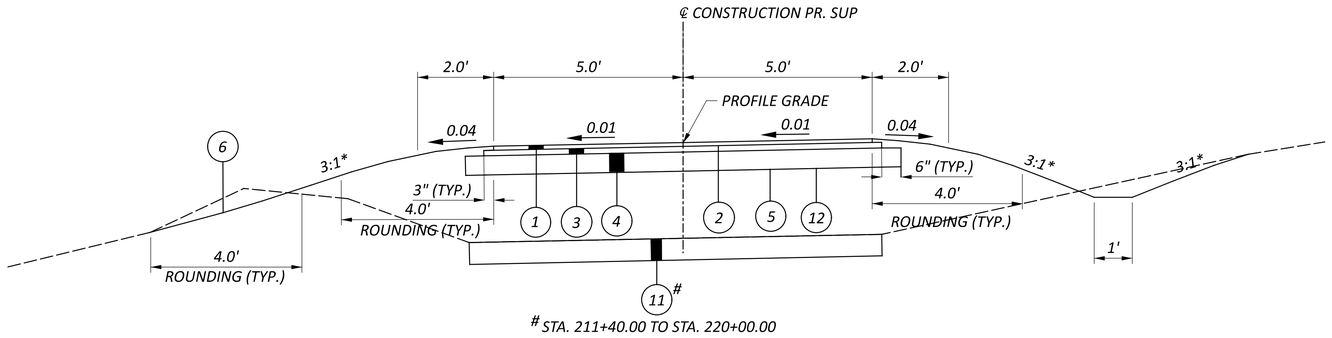
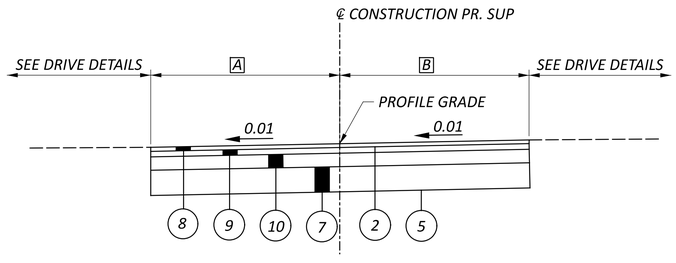


NORMAL DITCH SECTION

STA. 209+50.00 TO STA. 218+90.00



COMMERCIAL DRIVE SECTION

	A	B
STA. 248+42.89 TO STA. 248+71.84	5.0'	5.0'
STA. 253+77.63 TO STA. 254+10.25	7.0'	3.0'
STA. 259+37.21 TO STA. 259+93.23	5.0'	5.0'

SEE DRIVE DETAIL SHEETS FOR SPECIFIC DRIVE DESIGN

LEGEND

1. *ITEM 823 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22*
2. *ITEM 407 - NON-TRACKING TACK COAT (0.06 GAL/SY)*
3. *ITEM 823 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)*
4. *ITEM 304 - 6" AGGREGATE BASE*
5. *ITEM 204 - SUBGRADE COMPACTION*
6. *ITEM 659 - SEEDING AND MULCHING*
7. *ITEM 304 - 8" AGGREGATE BASE*
8. *ITEM 441 - 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, 449 (DRIVEWAYS)*
9. *ITEM 441 - 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, 449, (DRIVEWAYS)*
10. *ITEM 301 - 4" ASPHALT CONCRETE, BASE COURSE*
11. *ITEM 204 - GRANULAR MATERIAL TYPE C*
12. *ITEM 204 - GEOGRID*

** OR AS SHOWN ON THE CROSS SECTIONS*

TYPICAL SECTIONS

DESIGN AGENCY
OHM

DESIGNER
RRV

REVIEWER
CLD 08/16/24

PROJECT ID
117100

SHEET 4 | TOTAL 56

LIC-CR327-0.00

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UTILITIES

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

AMERICAN ELECTRIC POWER
777 HOPEWELL DRIVE
HEATH, OHIO 43056
(740) 349-4011
ATTN: JEFF VANDINE
JWVANDINE@AEP.COM
CC: DAVID HOWILER
DAHOWILER@AEP.COM

NATIONAL GAS AND OIL COOPERATIVE
120 O'NEIL DRIVE
HEBRON, OHIO 43025
(740) 641-8751
ATTN: WILL POLING
WPOLING@THEENERGYCOOP.COM

LICKING COUNTY WATER AND WASTEWATER DEPARTMENT
P.O. BOX 845
4455 WALNUT RD., UNIT A
BUCKEYE LAKE, OHIO
(740) 928-0349
ATTN: KEVIN EBY
KEBY@LCOUNTY.COM

SPECTRUM CABLE TV
3760 INTERCHANGE DRIVE
COLUMBUS, OHIO 43204
(740) 322-6703
ATTN: BRIAN AMENDE
BRIAN.AMENDE@CHARTER.COM

CHARTER COMMUNICATIONS
111 NORTH 11TH STREET
NEWARK, OHIO 43055
(740) 322-6703
ATTN: JOHN MOHLER
JOHN.MOHLER@CHARTER.COM
CC: CRAIG OMEN
CRAIG.OMEN@CHARTER.COM

WINDSTREAM COMMUNICATION
776 HOPEWELL DRIVE
HEATH, OHIO 43056
(740) 562-7685
ATTN: TROY KENILY
TROY.KENILY@WINDSTREAM.COM

COLUMBIA GAS OF OHIO
2429 LINDEN AVENUE
ZANESVILLE, OHIO 43701
(740) 258-0701
ATTN: REAGAN RICHARDSON
REAGANRICHARDSON@NISOURCE.COM

AMERICAN ELECTRIC POWER (DISTRIBUTION)
38831 STATE ROUTE 7
REEDSVILLE, OHIO 45772
(740) 985-3054
ATTN: CLARKE SAUNDERS
CMSAUNDERS@AEP.COM

AEP SOLUTION CENTER (SERVICES AND STREET LIGHTING)
1-800-277-2177

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.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING. USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL POSITIONING METHOD: GPS
MONUMENT TYPE: TYPE B, MAG NAILS

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD 88
GEOID: GEOID12B

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83 (2011)
ELLIPSOID: GRS80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO STATE PLANE SOUTH ZONE (3401)
ORIGIN OF COORDINATE SYSTEM: N/A

COMBINED SCALE FACTOR: NO SCALE FACTOR USED, PROJECT IN GRID COORDINATES

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 SUPPLEMENTAL SPECIFICATION 823.

UNITS ARE IN U.S. SURVEY FEET.
USE THE FOLLOWING CONVERSION FACTOR:
1 METER = 3.280833333 U.S. SURVEY FEET.

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 7:00 PM AND 7:00 AM. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

WORK LIMITS

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

ROUNDING

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

CLEARING AND GRUBBING

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

SIZES	NO. TREES	NO. STUMPS	TOTAL
18"	14	7	21
30"	0	1	1
48"	0	0	0
60"	0	0	0

BENCHING OF FOUNDATION SLOPES

ALTHOUGH CROSS-SECTIONS INDICATE SPECIFIC DIMENSIONS FOR PROPOSED BENCHING OF THE EMBANKMENT FOUNDATIONS IN CERTAIN AREAS, NO WAIVER OF THE SPECIFICATIONS IS INTENDED. BENCH ALL OTHER SLOPED EMBANKMENT AREAS AS SET FORTH IN SECTION 203.05 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS). NO ADDITIONAL PAYMENT WILL BE MADE FOR BENCHING REQUIRED UNDER THE PROVISIONS OF SECTION 203.05.

EMBANKMENT IN EXISTING DITCH SECTION

WHERE NEW EMBANKMENT WILL BE PLACED OVERTOP EXISTING DITCHES, EXCAVATE THE DITCH BOTTOM PER THE OHIO DEPARTMENT OF TRANSPORTATION GEOTECHNICAL DESIGN MANUAL SECTION 500.

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

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

PROVIDE EROSION CONTROL PADS AT THE OUTLET END OF ALL 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:

611 4" CONDUIT, TYPE E	50 FT.
611 6" CONDUIT, TYPE E	50 FT.
611 8" CONDUIT, TYPE E	50 FT.
601 ROCK CHANNEL PROTECTION TYPE C WITH FILTER	8 CU. YD.

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 611 CONDUIT ITEMS.

ITEM 204 - PROOF ROLLING

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING.

ITEM 204 - PROOF ROLLING	6 HOUR

SEEDING AND MULCHING

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

659, SOIL ANALYSIS TEST	1 EACH
659, TOPSOIL	815 CU YD.
659, SEEDING AND MULCHING	7340 SQ. YD.
659, REPAIR SEEDING AND MULCHING	367 SQ. YD.
659, INTER-SEEDING	367 SQ. YD.
659, COMMERCIAL FERTILIZER	1.02 TON
659, LIME	1.52 ACRES
659, WATER	42 M. GAL.

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

SITE PREPERATION FOR SEEDING AND MULCHING

IN ADDITION TO THE REQUIREMENTS OF 659.10, IN MAINTAINED LAWN AREAS REMOVE ALL STONE LARGER THAN ½-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 LICKING PARK DISTRICT 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 CONTAIN BETWEEN 6 AND 20 PERCENT ORGANIC MATERIAL AND NO MORE THAN 18% MOISTURE. TEST TOPSOIL ACCORDING TO SUPPLEMENT 1016.

ENDANGERED BAT HABITAT REMOVAL

THIS PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT, AND NORTHERN LONG-EARED BAT. NO TREES SHALL BE REMOVED UNDER THIS PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT (ESA). FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS: A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK 3 INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

GENERAL NOTES

DESIGN AGENCY
OHM

DESIGNER
CLD

REVIEWER
BLS 08/16/24

PROJECT ID
117100

SHEET 5 | TOTAL 56

LIC-CR327-0.00

MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 10/7/2024 TIME: 9:42:54 AM USER: cdekle
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CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

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

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

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

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

CONSTRUCTION LAYOUT STAKES

THE CONTRACTOR SHALL PLACE CONSTRUCTION LAYOUT STAKES, CONFORMING TO THE REQUIREMENTS OF ITEM 623, CONSTRUCTION LAYOUT STAKES, AS LISTED IN THE ODOT CMS.

DETECTABLE WARNINGS

DETECTABLE WARNINGS SHALL BE INSTALLED AND PAID FOR AS DESCRIBED IN SCD BP-7.1. THE COLOR SHALL BE "BRICK RED". THE MANUFACTURER SHALL BE SELECTED FROM THE OHIO DEPARTMENT OF TRANSPORTATION'S (ODOT) APPROVED DETECTABLE WARNING PRODUCT LIST. INSTALL PRODUCT AS PER MANUFACTURER'S PRINTED INSTRUCITONS.

ITEM 407 - NON-TRACKING TACK COAT

THE ENGINEER SHALL ADJUST THE RATE OF APPLICATION IN THE FIELD OF THE 407 TACK COAT AS NEEDED (SEE ODOT CMS TABLE 407.06-1 FOR ALLOWABLE RANGES). FOR ESTIMATING PURPOSES ONLY, THE PLAN QUANTITES INDICATE AN AVERAGE APPLICATION RATE FOR THE ITEMS. DO NOT ORDER MATERIALS FOR THESE ITEMS UNLESS AUTHORIZED BY THE ENGINEER.

ITEM 204 - SUBGRADE COMPACTION AND PROOF ROLLING

CONSTRUCT THE SUBGRADE AS FOLLOWS AND IN THE FOLLOWING SEQUENCE:

1. *SHAPE THE SUBGRADE TO WITHIN 0.2 FEET OF THE PLAN SUBGRADE ELEVATION.*

2. *EXCAVATE AND REPLACE UNSUITABLE SUBGRADE BEFORE PROOF ROLLING. THE EXCAVATION LIMITS ARE SHOWN AND LABELED ON THE CROSS SECTIONS AS UNSUITABLE SUBGRADE. UNSUITABLE SUBGRADE INCLUDES UNSUITABLE SOIL (A-4B, A-2-5, A-5, A-7-5, AND SOIL WITH A LIQUID LIMIT GREATER THAN 65) AND ANY COAL, SHALE, OR ROCK WHICH NEEDS TO BE REMOVED ACCORDING TO SECTION 204.05 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS).*

   IF THERE IS UNSUITABLE SUBGRADE IN A SHALLOW FILL LOCATION, EXCAVATE AND REPLACE THE UNSUITABLE SUBGRADE BEFORE CONSTRUCTING THE SHALLOW FILL AND SHAPING THE SUBGRADE.

3. *COMPACT THE SUBGRADE ACCORDING TO C&MS 204.03.*

4. *APPROXIMATE LIMITS FOR EXCAVATION OF UNSTABLE SUBGRADE ARE SHOWN AND LABELED ON THE CROSS SECTIONS AS UNSTABLE SUBGRADE. THE ENGINEER WILL IDENTIFY THE ACTUAL LIMITS OF EXCAVATION FOR UNSTABLE SUBGRADE BASED ON THE PROOF ROLLING RESULTS AND VISUAL OBSERVATIONS.*

   PROOF ROLL THE COMPACTED SUBGRADE ACCORDING TO C&MS 204.06.

5. *EXCAVATE UNSTABLE SUBGRADE AS DIRECTED BY THE ENGINEER AND STABILIZE BY REPLACING WITH THE SPECIFIED MATERIALS ACCORDING TO C&MS 204.07. EXCAVATIONS WILL EXTEND 18 INCHES BEYOND THE EDGE OF THE SURFACE OF THE PAVEMENT, PAVED SHOULDERS, OR PAVED MEDIANS.*

6. *PROOF ROLL THE STABILIZED AREAS ACCORDING TO C&MS 204.06 TO VERIFY STABILITY.*

7. *FINE GRADE THE SUBGRADE TO THE SPECIFIED GRADE.*

THE QUANTITIES FOR EXCAVATING THE UNSUITABLE SUBGRADE AND UNSTABLE SUBGRADE ARE BOTH PAID UNDER ITEM 204, EXCAVATION OF SUBGRADE.

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DESIGN AGENCY
OHM
DESIGNER CLD
REVIEWER BLS 07/01/24
PROJECT ID 117100
SHEET 6 TOTAL 56

NOTIFICATIONS AND CONTACTS

THE CONTRACTOR SHALL NOTIFY LICKING COUNTY IN WRITING AND VIA TELEPHONE AT LEAST 18 DAYS PRIOR TO THE BEGINING OF CONSTRUCTION ACTIVITIES AND AT LEAST SEVEN (7) DAYS PRIOR TO A SWITCH IN TRAFFIC PATTERN. INCLUDED IN THE NOTIFICATION SHALL BE THE PROJECTED DATES AND TIME FRAMES OF ANY ROAD CLOUSRES.

SEQUENCE OF CONSTRUCTION AND METHODS OF TRAFFIC MAINTENANCE

ALL WORK DESCRIBED BELOW SHALL BE CONSTRUCTED DURING OFF-PEAK HOURS. NO OVERNIGHT WORK IS ALLOWED.

LANCER ROAD / CRISTLAND HILL ROAD INTERSECTION

WHEN REQUIRED DUE TO CONSTRUCTION ACTIVITIES, TWO-WAY, ONE-LANE TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH ODOT STANDARD CONSTRUCTION DRAWING MT-97.10 FOR LANCER ROAD FOR THE CONSTRUCTION OF THE SHARED-USE PATH. THE CONTRACTOR SHALL REMOVE DRUMS AT THE END OF EACH WORKING DAY TO ALLOW VEHICLES TO TRAVEL IN THE EXISTING LANES.

THE CONTRACTOR SHALL PLACE THE FINAL PAVEMENT MARKINGS DURING OFF-PEAK HOURS WHILE MAINTAINING TRAFFIC IN ACCORDANCE WITH ODOT STANDARD CONSTRUCTION DRAWING MT-97.10.

LANCER ROAD / LAKEWOOD HIGH SCHOOL ENTRANCE DRIVE INTERSECTION

WHEN REQUIRED DUE TO CONSTRUCTION ACTIVITIES, TWO-WAY, ONE-LANE TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH ODOT STANDARD CONSTRUCTION DRAWING MT-97.10 FOR LANCER ROAD FOR THE CONSTRUCTION OF THE SHARED-USE PATH AND DRIVE APRON. THE CONTRACTOR SHALL REMOVE DRUMS AT THE END OF EACH WORKING DAY TO ALLOW VEHICLES TO TRAVEL IN THE EXISTING LANES.

THE CONTRACTOR SHALL PLACE THE FINAL PAVEMENT MARKINGS DURING OFF-PEAK HOURS WHILE MAINTAINING TRAFFIC IN ACCORDANCE WITH ODOT STANDARD CONSTRUCTION DRAWING MT-97.10.

LANCER ROAD / LAKEWOOD HIGH SCHOOL EXIT DRIVE INTERSECTION

WHEN REQUIRED DUE TO CONSTRUCTION ACTIVITIES, TWO-WAY, ONE-LANE TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH ODOT STANDARD CONSTRUCTION DRAWING MT-97.10 FOR LANCER ROAD FOR THE CONSTRUCTION OF THE SHARED-USE PATH AND DRIVE APRON. THE CONTRACTOR SHALL REMOVE DRUMS AT THE END OF EACH WORKING DAY TO ALLOW VEHICLES TO TRAVEL IN THE EXISTING LANES.

THE CONTRACTOR SHALL PLACE THE FINAL PAVEMENT MARKINGS DURING OFF-PEAK HOURS WHILE MAINTAINING TRAFFIC IN ACCORDANCE WITH ODOT STANDARD CONSTRUCTION DRAWING MT-97.10.

SEQUENCE OF CONSTRUCTION AND METHODS OF TRAFFIC MAINTENANCE (CONTINUED)

LANCER ROAD / LAKEWOOD HIGH SCHOOL DRIVE INTERSECTION

WHEN REQUIRED DUE TO CONSTRUCTION ACTIVITIES, TWO-WAY, ONE-LANE TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH ODOT STANDARD CONSTRUCTION DRAWING MT-97.10 FOR LANCER ROAD FOR THE CONSTRUCTION OF THE SHARED-USE PATH, DRIVE APRON, AND RRFBs. THE CONTRACTOR SHALL REMOVE DRUMS AT THE END OF EACH WORKING DAY TO ALLOW VEHICLES TO TRAVEL IN THE EXISTING LANES.

THE CONTRACTOR SHALL PLACE THE FINAL PAVEMENT MARKINGS DURING OFF-PEAK HOURS WHILE MAINTAINING TRAFFIC IN ACCORDANCE WITH ODOT STANDARD CONSTRUCTION DRAWING MT-97.10.

LANCER ROAD / US 40 INTERSECTION

WHEN REQUIRED DUE TO CONSTRUCTION ACTIVITIES, TWO-WAY, ONE-LANE TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH ODOT STANDARD CONSTRUCTION DRAWING MT-97.10 FOR LANCER ROAD FOR THE CONSTRUCTION OF THE SHARED-USE PATH AND RRFBs. THE CONTRACTOR SHALL REMOVE DRUMS AT THE END OF EACH WORKING DAY TO ALLOW VEHICLES TO TRAVEL IN THE EXISTING LANES.

THE CONTRACTOR SHALL PLACE THE FINAL PAVEMENT MARKINGS DURING OFF-PEAK HOURS WHILE MAINTAINING TRAFFIC IN ACCORDANCE WITH ODOT STANDARD CONSTRUCTION DRAWING MT-97.10.

WORK HOUR DESCRIPTION

OFF-PEAK HOURS ARE DEFINED AS ANY PERIOD OTHER THAN 6:00-9:00 AM AND 3:00-6:00 PM (MONDAY THRU FRIDAY) AND LEGAL HOLIDAYS.

ITEM 614, MAINTAINING TRAFFIC

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING, MAINTAINING, AND SUBSEQUENT REMOVAL OF ALL SIGNS, BARRICADES, BARRIERS, AND OTHER INCIDENTALS NECESSARY FOR THE PURPOSES OF MAINTAINING TRAFFIC.

IF THE CONTRACTOR SO ELECTS, HE MAY SUBMIT ALTERNATE METHODS FOR THE MAINTENANCE OF TRAFFIC, PROVIDED THE INTENT AND PROVISIONS HEREIN ARE FOLLOWED, AND NO ADDITIONAL INCONVENIENCE TO THE TRAVELING PUBLIC RESULTS THEREFROM. NO ALTERNATE PLAN SHALL BE PLACED INTO EFFECT UNTIL APPROVAL HAS BEEN GRANTED IN WRITING BY THE ENGINEER.

THE CONTRACTOR IS RESPONSIBLE TO PROVIDE POSITIVE DRAINAGE AND MAY BE REQUIRED TO PLACE TEMPORARY DRAINAGE STRUCTURES TO ENSURE PROPER DRAINAGE. BEFORE ANY TEMPORARY DRAINAGE IS PLACED, THE CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM THE ENGINEER. PAYMENT FOR ALL LABOR, EQUIPMENT, MATERIALS, AND ALL OTHER INCIDENTALS FOR TEMPORARY DRAINAGE SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614 MAINTAINING TRAFFIC.

IT IS INTENDED THAT BOTH LANES OF COUNTY RD 327 (LANCER RD) WILL REMAIN AT ALL TIMES WHEN NOT IMPACTED BY CONSTRUCTION ACTIVITIES. IN THE EVENT THE CONTRACTOR NEEDS TO CLOSE A LANE TO MOVE EQUIPMENT OR MATERIALS TO/FROM THE SITE THE LANE SHALL BE CLOSED USING FLAGGERS PER MT-97.10 AND AS APPROVED BY THE ENGINEER.

ITEM 614, MAINTAINING TRAFFIC (CONTINUED)

IN THE EVENT THAT THE CONTRACTOR DETERMINES IT NECESSARY TO CLOSE BOTH LANES OF COUNTY RD 327 (LANCER RD) FOR ACTIVITIES THAT PRESENT A SAFETY HAZARD TO THE TRAVELING PUBLIC, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING AT LEAST 14 DAYS PRIOR TO THE REQUESTED CLOSURE PERIOD. NO OVERNIGHT WORK IS PERMITTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING A DETOUR PLAN TO THE ENGINEER, AND FOR PROVIDING, MAINTAINING, AND SUBSEQUENT REMOVAL OF ALL SIGNS, PORTABLE CHANGEABLE MESSAGE SIGNS, BARRICADES, BARRIERS, AND OTHER INCIDENTALS NECESSARY FOR THE PURPOSE OF MAINTAINING TRAFFIC DURING THE CLOSURE. NO CLOSURE SHALL BE PLACED INTO EFFECT UNTIL APPROVAL HAS BEEN GRANTED IN WRITING BY THE ENGINEER.

NO EXTENSIONS OF TIME SHALL BE GRANTED FOR DELAYS IN MATERIAL DELIVERIES, UNLESS SUCH DELAYS ARE INDUSTRY-WIDE, OR FOR LABOR STRIKES, UNLESS SUCH STRIKES ARE AREA-WIDE.

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	5 M. GAL

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.

PLACEMENT, OPERATION, MAINTENANCE AND ALL ACTIVATION OF THE SIGNS BY THE CONTRACTOR SHALL BE AS DIRECTED BY THE ENGINEER. THE PCMS SHALL BE LOCATED IN A HIGHLY VISIBLE POSITION YET PROTECTED FROM TRAFFIC. THE CONTRACTOR SHALL, AT THE DIRECTION OF THE ENGINEER, RELOCATE THE PCMS TO IMPROVE VISIBILITY OR ACCOMMODATE CHANGED CONDITIONS. WHEN NOT IN USE, THE PCMS SHALL BE TURNED OFF. ADDITIONALLY, WHEN NOT IN USE FOR EXTENDED PERIODS OF TIME, THE PCMS SHALL BE TURNED AWAY FROM ALL TRAFFIC.

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGNS, AS PER PLAN (CONTINUED)

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

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

THE PCMS SHALL CONTAIN 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 DISTRICT TRAFFIC ENGINEER, OR EQUIVALENT, AND SHALL BE INSURED AGAINST THEFT.

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 SIGNS, AS PER PLAN (2 SIGNS, 7 MONTHS EACH)	14 SIGN MONTHS

MAINTENANCE OF TRAFFIC GENERAL NOTES

DESIGN AGENCY
OHM

DESIGNER
BMM

REVIEWER
JWG 08/16/24

PROJECT ID
117100

SHEET 7 | TOTAL 56

LIC-CR327-0.00

MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 8/15/2024 TIME: 9:07:07 AM USER: cdekle
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SHEET NUM.												PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
5	6	7	10	11	47	52						01/ENH/ 21/LCPD	02/ENH/ 21/LCPD						
																		ROADWAY	
LS												LS		201	11000	LS		CLEARING AND GRUBBING	5
					6,830							746	6,084	203	10000	6,830	CY	EXCAVATION	
					1,088							6	1,082	203	20000	1,088	CY	EMBANKMENT	
			10,176									1,838	8,338	204	10000	10,176	SY	SUBGRADE COMPACTION	
					3,508							332	3,176	204	30020	3,508	CY	GRANULAR MATERIAL, TYPE C	
6												2	4	204	45000	6	HOUR	PROOF ROLLING	5
					8,095							996	7,099	204	51000	8,095	SY	GEOGRID	
			109										109	608	10000	109	SF	4" CONCRETE WALK	
			93										93	608	52000	93	SF	CURB RAMP	
			66									20	46	608	53020	66	SF	DETECTABLE WARNING	6
																		EROSION CONTROL	
8													8	601	32200	8	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	5
1												1		659	00100	1	EACH	SOIL ANALYSIS TEST	5
815												815		659	00300	815	CY	TOPSOIL	5
7,340												7,340		659	00500	7,340	SY	SEEDING AND MULCHING, CLASS 1	5
367												367		659	14000	367	SY	REPAIR SEEDING AND MULCHING	5
367												367		659	15000	367	SY	INTER-SEEDING	5
1.02												1.02		659	20000	1.02	TON	COMMERCIAL FERTILIZER	5
1.52												1.52		659	31000	1.52	ACRE	LIME	5
42												42		659	35000	42	MGAL	WATER	5
				LS								LS		832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN	
				LS								LS		832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS	
				LS								LS		832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	
				3,315								3,315		832	30000	3,315	EACH	EROSION CONTROL	
																		DRAINAGE	
			333										333	202	35100	333	FT	PIPE REMOVED, 24" AND UNDER	
			91										91	202	35200	91	FT	PIPE REMOVED, OVER 24"	
50													50	611	00400	50	FT	4" CONDUIT, TYPE E	5
50													50	611	01400	50	FT	6" CONDUIT, TYPE E	5
50													50	611	02500	50	FT	8" CONDUIT, TYPE E	5
			222										222	611	04900	222	FT	12" CONDUIT, TYPE D	
			111										111	611	07900	111	FT	18" CONDUIT, TYPE D	
			91										91	611	10900	91	FT	24" CONDUIT, TYPE D	
			3										3	611	99654	3	EACH	MANHOLE ADJUSTED TO GRADE	
			99										99	301	56000	99	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
			1,516									260	1,256	304	20000	1,516	CY	AGGREGATE BASE	
			477									85	392	407	20000	477	GAL	NON-TRACKING TACK COAT	6
			48										48	441	70500	48	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS)	
			44										44	441	70700	44	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449), (DRIVEWAYS)	
			20										20	609	26000	20	FT	CURB, TYPE 6	
			247									50	197	823	10000	247	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448)	
			344									69	275	823	20000	344	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)	
																		TRAFFIC CONTROL	
						198.5						86.2	112.3	630	02100	198.5	FT	GROUND MOUNTED SUPPORT, NO. 2 POST	
						96.4						28.2	68.2	630	03100	96.4	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
						89.5						34.25	55.25	630	80100	89.5	SF	SIGN, FLAT SHEET	
						8							8	630	84900	8	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
						6							6	630	86002	6	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	

GENERAL SUMMARY

LIC-CR327-0.00

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DESIGN AGENCY
OHM

DESIGNER RRV

REVIEWER CLD 08/16/24

PROJECT ID 117100

SHEET 8 TOTAL 56

SHEET NUM.												PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
5	7	10	47	52								01/ENH/ 21/LCPD	02/ENH/ 21/LCPD						
																		TRAFFIC CONTROL (CONT.)	
				4									4	630	97700	4	EACH	SIGNING, MISC.: SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY	53
				28									28	644	00400	28	FT	CHANNELIZING LINE, 8"	
				15									15	644	00500	15	FT	STOP LINE	
				457									457	644	00620	457	FT	CROSSWALK LINE, 12"	
				220									220	644	00630	220	FT	CROSSWALK LINE, 24"	
				4									4	644	01300	4	EACH	LANE ARROW	
	14											3	11	614	18601	14	SNMT	**MAINTENANCE OF TRAFFIC** PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	7
	5											5		616	10000	5	MGAL	WATER	7
																		INCIDENTALS	
												LS		614	11000	LS		MAINTAINING TRAFFIC	7
												LS		623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	6
												LS		624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY

OHM

DESIGNER
RRV

REVIEWER
CLD 08/16/24

PROJECT ID
117100

SHEET 9 | TOTAL 56

LIC-CR327-0.00

MODEL: GENSUM2 PAPERSIZE: 34x22 (in.) DATE: 8/16/2024 TIME: 10:56:56 AM USER: cdekle
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STATION RANGE			REF NO.	SHEET NO.	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA	204 SUBGRADE COMPACTION	301 ASPHALT CONCRETE BASE, PG64-22, (449)	304 AGGREGATE BASE	304 AGGREGATE BASE	407 NON-TRACKING TACK COAT	441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS)	441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449), (DRIVEWAYS)	608 4" CONCRETE WALK	608 CURB RAMP	608 DETECTABLE WARNING	609 CURB, TYPE 6	823 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448)	823 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)
					FT	FT	SQ YD	SQ YD	SY	CY	CY	CY	GAL	CY	CY	SF	SF	SF	FT	CY	CY
200+11.15	TO	212+83.48	P1	16-17	1272.33	10.00	1413.70		1838		260		85							50	69
212+83.48		248+44.35	P2	17-19	3560.87	10.00	3956.52		5144		726		238							138	193
248+71.84		253+77.63	P3	19-20	505.79	10.00	561.99		731		104		34							20	28
254+10.25		259+37.21	P4	20	526.96	10.00	585.51		762		108		36							21	29
259+93.23		264+40.65	P5	20-21	447.42	10.00	497.13		647		92		30							18	25
223+09.86		223+66.53	D1	17	56.67			99.58	100		17			6							
228+14.65		228+30.99	D2	18	16.34			71.18	72		12			4							
248+44.35		248+71.84	D3	19	27.49			224.85	225	25		50	14	10	11						
253+77.63		254+10.25	D4	20	32.62			213.49	214	24		48	13	9	11						
259+37.21		259+93.23	D5	20	56.02			442.97	443	50		99	27	19	22						
200+11.15		200+13.15	DW1	16	2.00	10.00												20			
264+33.84		264+35.84	DW2	21	2.00	10.00												20			
259+89.08		260+00.12	SW1	20	11.04		0.00									109.00	92.60	26.00	20.00		
SUBTOTALS									10176.00	99.00	1319.00	197.00	477.00	48.00	44.00	109.00	92.60	66.00	20.00	247.00	344.00
TOTALS CARRIED TO GENERAL SUMMARY									10176	99	1319	197	477	48	44	109	93	66	20	247	344

REF NO.	SHEET NO.	STATION TO STATION			202 PIPE REMOVED, 24" AND UNDER	202 PIPE REMOVED, OVER 24"	611 12" CONDUIT, TYPE D	611 18" CONDUIT, TYPE D	611 24" CONDUIT, TYPE D	611 MANHOLE ADJUSTED TO GRADE	
					FT	FT	FT	FT	FT	EACH	
DP1	17	223+08.09		223+68.32	60		60				
DP2	18	228+05.57		228+45.52	40		40				
DP3	19	248+11.94		249+02.59		91			91		
DP4	20	253+37.98		254+48.89	111			111			
DP5	20	259+10.42		260+27.67	122		122				
SS1	19	246+88.84								1	
SS2	20	250+59.97								1	
SS3	20	254+30.15								1	
TOTALS CARRIED TO GENERAL SUMMARY					333	91	222	111	91	3	

ROADWAY SUB-SUMMARY

DESIGN AGENCY
OHM

DESIGNER
RRV

REVIEWER
CLD 08/16/24

PROJECT ID
117100

SHEET 10 TOTAL 56

LIC-CR327-0.00

MODEL: Sheet_SurvFt PAPERSIZE: 34x22 (in.) DATE: 8/16/2024 TIME: 10:56:56 AM USER: cdekle
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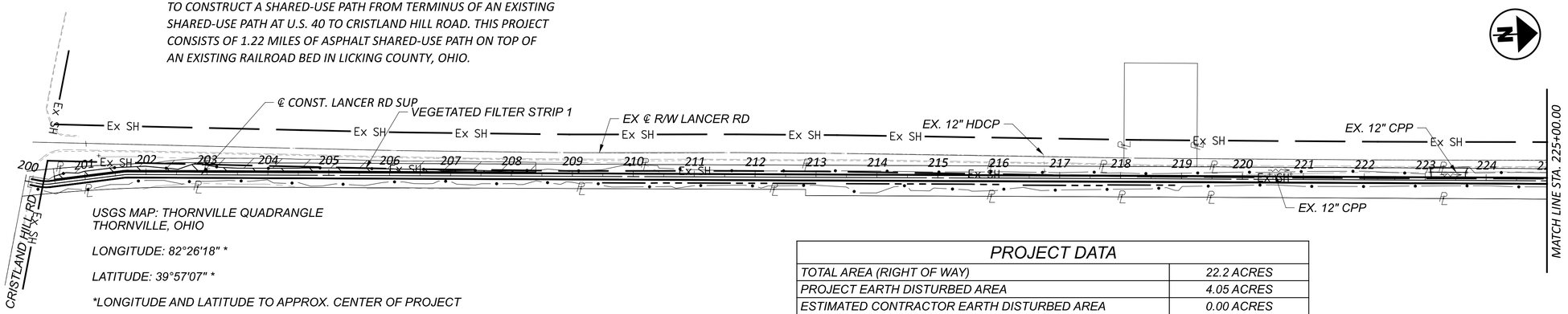
PROJECT DESCRIPTION

TO CONSTRUCT A SHARED-USE PATH FROM TERMINUS OF AN EXISTING SHARED-USE PATH AT U.S. 40 TO CRISTLAND HILL ROAD. THIS PROJECT CONSISTS OF 1.22 MILES OF ASPHALT SHARED-USE PATH ON TOP OF AN EXISTING RAILROAD BED IN LICKING COUNTY, OHIO.



USGS MAP: THORNVILLE QUADRANGLE
THORNVILLE, OHIO

LONGITUDE: 82°26'18" *

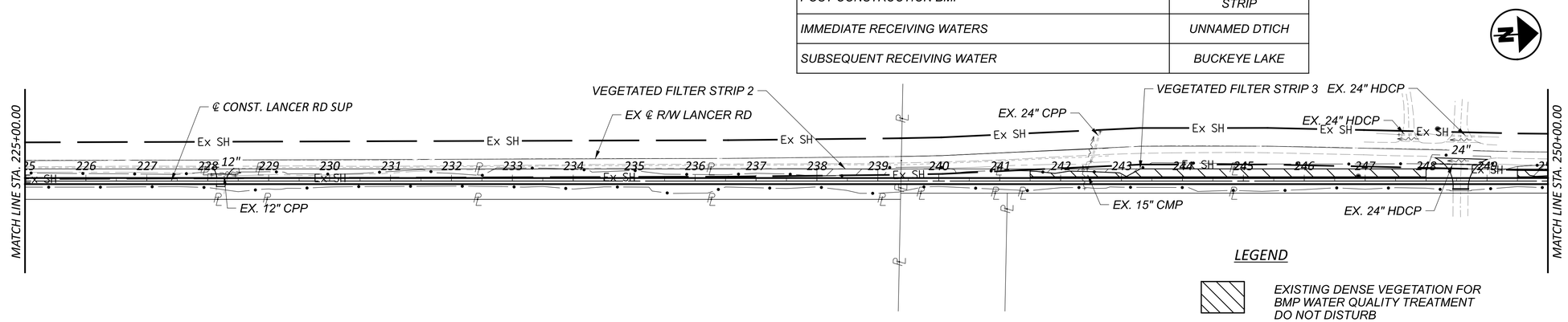
LATITUDE: 39°57'07" *

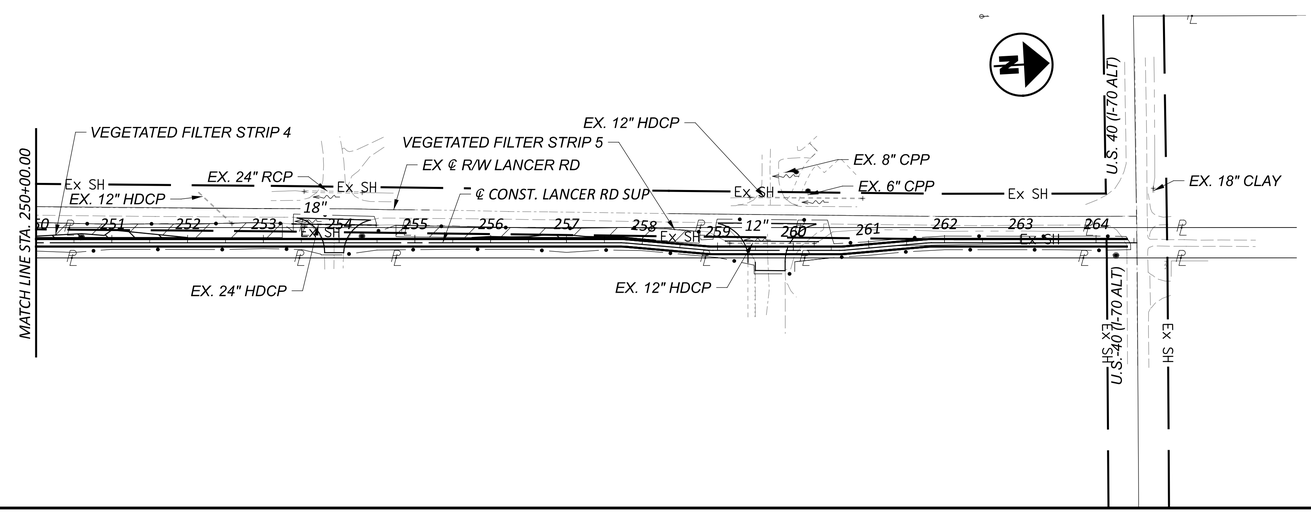
*LONGITUDE AND LATITUDE TO APPROX. CENTER OF PROJECT

THE FOLLOWING QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY:

ITEM 832 - STORMWATER POLLUTION PREVENTION PLAN - LS
ITEM 832 - STORMWATER POLLUTION PREVENTION INSPECTIONS - LS
ITEM 832 - STORMWATER POLLUTION PREVENTION INSPECTION SOFTWARE - LS
ITEM 832 - EROSION CONTROL - 3,315 EACH

PROJECT DATA	
TOTAL AREA (RIGHT OF WAY)	22.2 ACRES
PROJECT EARTH DISTURBED AREA	4.05 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA	0.00 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA	4.05 ACRES
IMPERVIOUS (PAVED) AREA FOR PRE-CONSTRUCTION SITE	3.57 ACRES
IMPERVIOUS (PAVED) AREA FOR POST CONSTRUCTION SITE	3.57 ACRES
RUNOFF COEFFICIENT FOR PRE-CONSTRUCTION SITE	0.85
RUNOFF COEFFICIENT FOR POST CONSTRUCTION SITE	0.85
POST CONSTRUCTION BMP	VEGETATED FILTER STRIP
IMMEDIATE RECEIVING WATERS	UNNAMED DTICH
SUBSEQUENT RECEIVING WATER	BUCKEYE LAKE





LEGEND

EXISTING DENSE VEGETATION FOR BMP WATER QUALITY TREATMENT DO NOT DISTURB

PROPOSED VEGETATIVE FILTER STRIP FOR BMP WATER QUALITY TREATMENT

CATCH BASIN

BMP TYPE	LONGITUDE/ LATITUDE BEGIN	LONGITUDE/ LATITUDE END	FILTER STRIP WIDTH (FT)	EDA TREATMENT CREDIT (AC)
VEGETATED FILTER STRIP 1	39.9427801/ -82.4388808	39.9449485/ -82.4387671	± 17.1	0.31
VEGETATED FILTER STRIP 2	39.9530632/ -82.4382060	39.9533372/ -82.4381841	± 10.4	0.02
VEGETATED FILTER STRIP 3	39.9549222/ -82.4381300	39.9558039/ -82.4380022	± 11.2	0.19
VEGETATED FILTER STRIP 4	39.9562156/ -82.4379856	39.9568981/ -82.4378745	± 18.5	0.16
EX. VEGETATED FILTER STRIP 5	39.9576543/ -82.4378757	39.9587523/ -82.4377632	± 13.9	0.13
		TREATMENT PROVIDED		0.81
		TREATMENT REQUIRED*		0.81

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

NOTE: SOME BMP WATER QUALITY TREATMENT REQUIREMENTS WILL BE MET VIA USE OF EXISTING DENSE VEGETATION AS SHOW IN THE PLANS. SEE BMP NOTES AND DETAILS FOR MORE INFORMATION.

HORIZONTAL SCALE IN FEET
0 50 100 200

PROJECT SITE PLAN
STA. 200+00 TO STA. 264+50

LIC-CR327-0.00

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DESIGN AGENCY
OHM

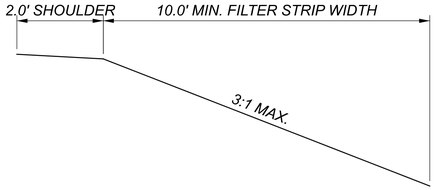
DESIGNER EJC
REVIEWER CLD 08/16/24
PROJECT ID 117100
SHEET 11 TOTAL 56

POST CONSTRUCTION STORM WATER TREATMENT

THIS PLAN UTILIZES BEST MANAGEMENT PRACTICES (BMPS) FOR POST CONSTRUCTION STORM WATER TREATMENT.

VEGETATED FILTER STRIPS

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



TYPICAL FILTER STRIP SECTION

PROJECTS THAT ARE ASSOCIATED WITH ONLY PEDESTRIAN FACILITIES MAY USE NARROW VEGETATED FILTER STRIPS TO MEET THE POST CONSTRUCTION BMP REQUIREMENTS. NO QUANTITY TREATMENT IS REQUIRED. THE WIDTH OF THE VEGETATED FILTER STRIPS MUST BE EQUAL TO THE WIDTH OF THE CONTRIBUTING PATH (10').

EXISTING VEGETATION

SOME OF THE LAND WITHIN THE PROJECT LIMITS CONSISTS OF DENSE VEGETATION AND SUITABLE WOODED HABITAT FOR BATS AND OTHER LOCAL ANIMAL POPULATIONS, THE DESIGN INTENT IS TO NOT REMOVE THE EXISTING ENVIRONMENT THAT ALREADY ACTS AS A NATURAL WATER QUALITY TREATMENT SYSTEM ONLY TO REPLACE IT WITH A MANMADE VEGETATED FILTER STRIP. THE EXISTING DENSELY VEGETATED AND WOODED AREAS HATCHED IN THE PLAN AND PROFILE SHEETS WILL SERVE AS A NATURAL, IN PLACE BMP WATER QUALITY TREATMENT SYSTEM.

IN ADDITION, SOME OF THE LAND WITHIN THE PROJECT LIMITS CONSISTS OF ESTABLISHED GRASS AREA THAT ALSO ACTS AS A NATURAL WATER QUALITY TREATMENT SYSTEM. THIS AREA DELINEATED ON THE PLAN AND PROFILE SHEETS WILL SERVE AS A NATURAL, IN PLACE BMP WATER QUALITY TREATMENT SYSTEM. CARE SHOULD BE TAKEN TO AVOID DISTURBING THIS AREA.

BMP DETAILS AND NOTES

DESIGN AGENCY

OHM

DESIGNER
EJC

REVIEWER
CLD 08/16/24

PROJECT ID
117100

SHEET 12 | TOTAL 56

LIC-CR327-0.00

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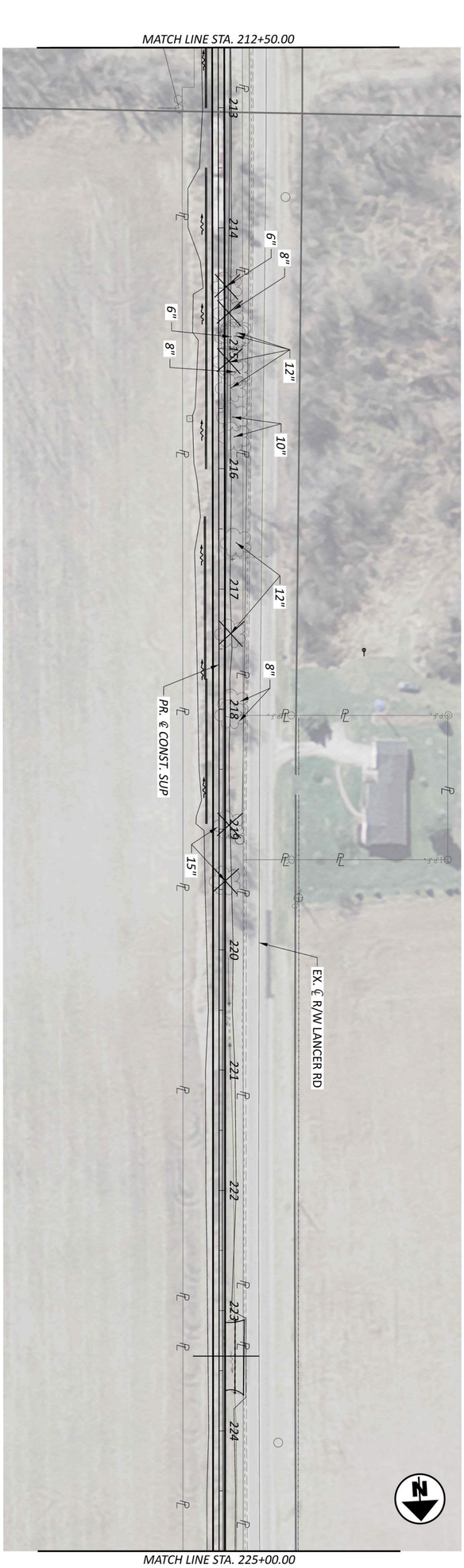
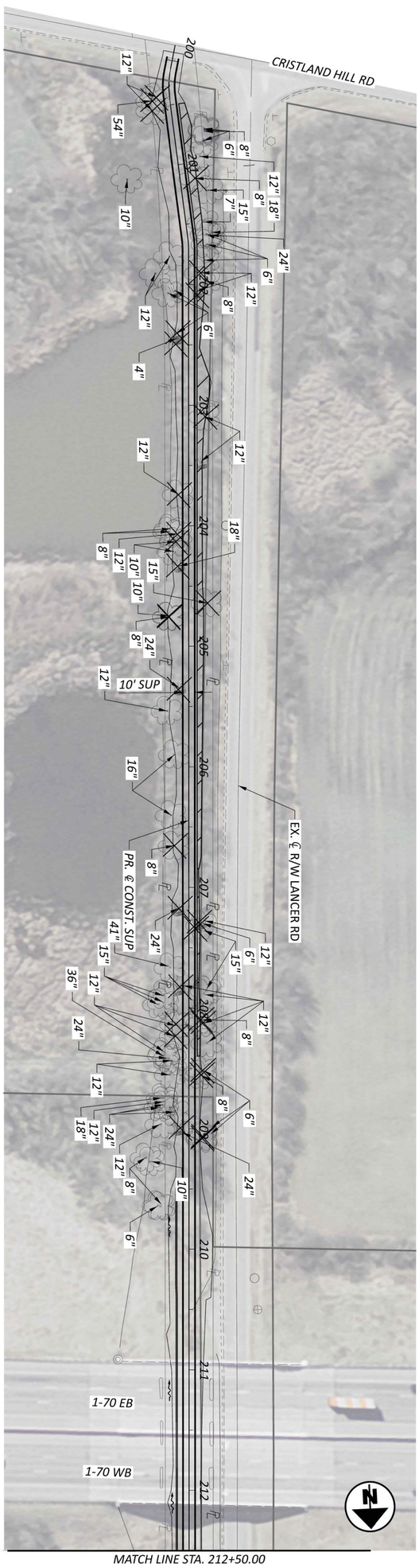
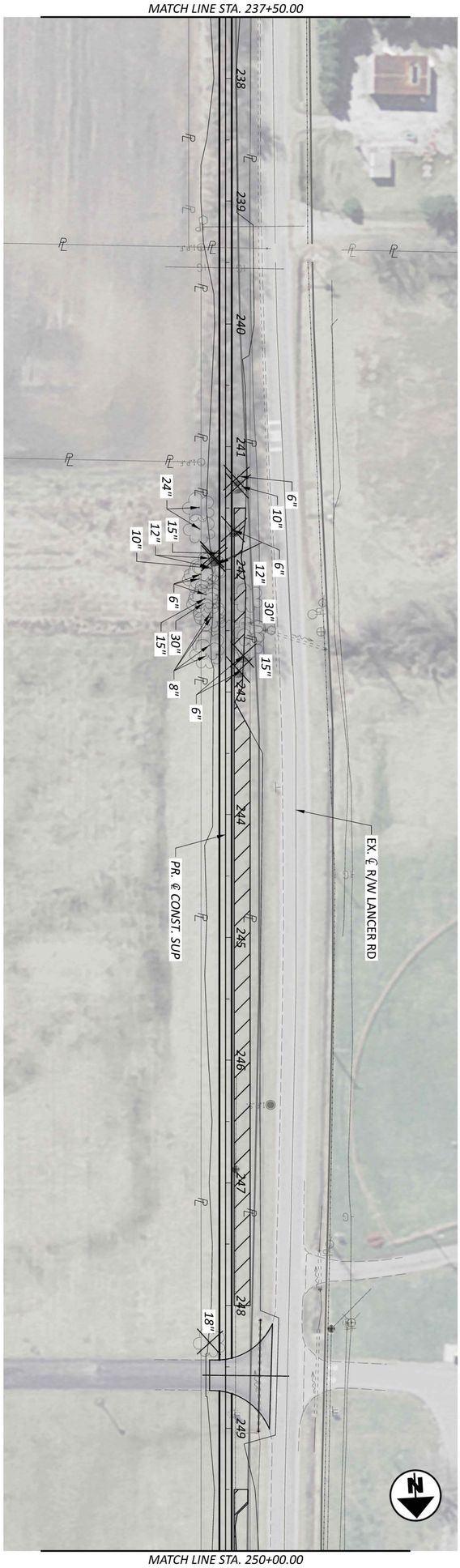
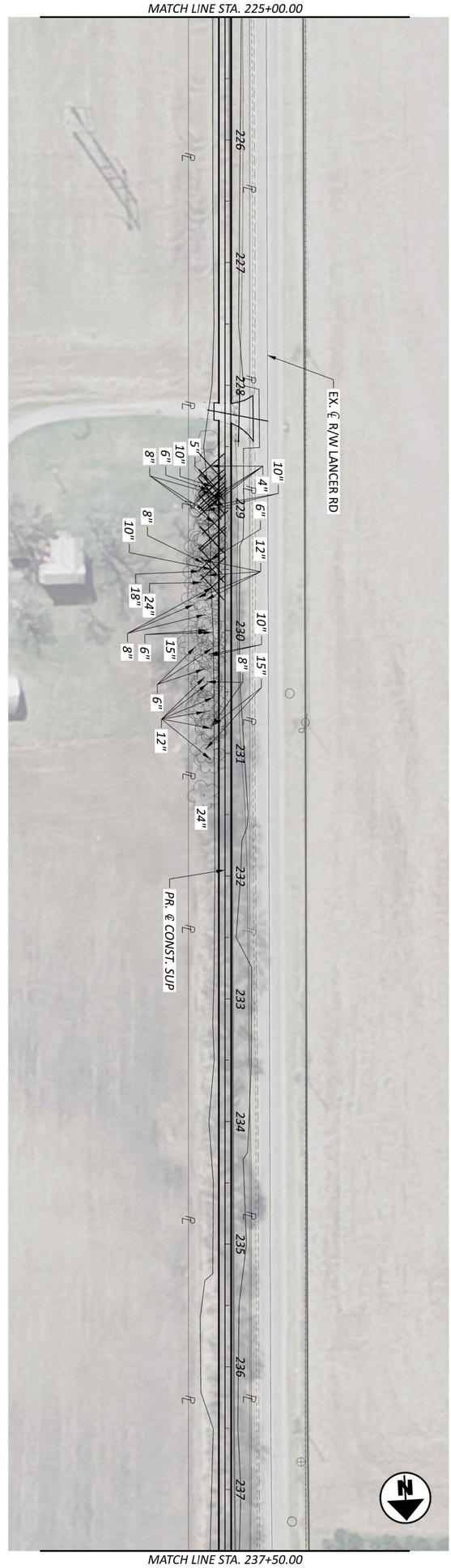




TREE REMOVAL PLAN
STA. 200+00.00 TO STA. 225+00.00

HORIZONTAL SCALE IN FEET
0 50
25 100

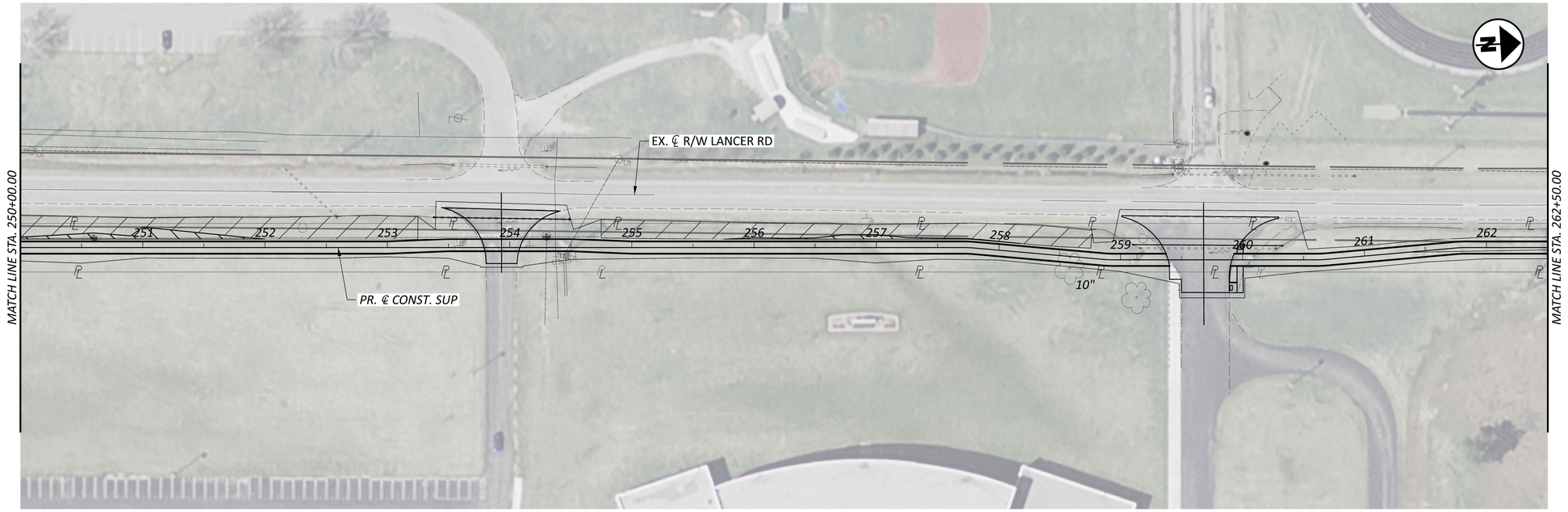


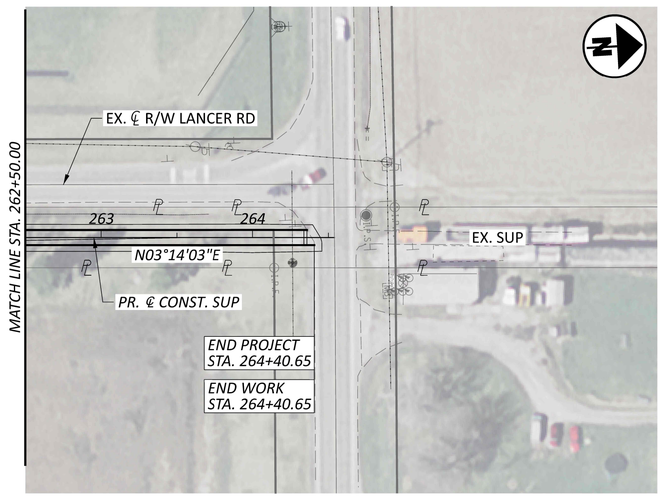


TREE REMOVAL PLAN
STA. 250+00.00 TO 263+00.00

HORIZONTAL SCALE IN FEET
0 50
25 100

DESIGN AGENCY: OHM
DESIGNER: RRV
REVIEWER: CLD 08/16/24
PROJECT ID: 117100
SHEET 14 | TOTAL 56





TREE REMOVAL TABLE

	18"		30"		48"		60" +	
SHEET #	TREES	STUMPS	TREES	STUMPS	TREES	STUMPS	TREES	STUMPS
13	14	2	0	1	0	0	0	0
14	0	5	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0
TOTALS CARRIED TO GENERAL NOTES	14	7	0	1	0	0	0	0

HORIZONTAL SCALE IN FEET
0 25 50 100

TREE REMOVAL PLAN
STA. 225+00.00 TO STA. 250+00.00

DESIGN AGENCY
OHM

DESIGNER RRV
REVIEWER CLD 08/16/24
PROJECT ID 117100
SHEET 15 TOTAL 56

LIC-CR327-0.00

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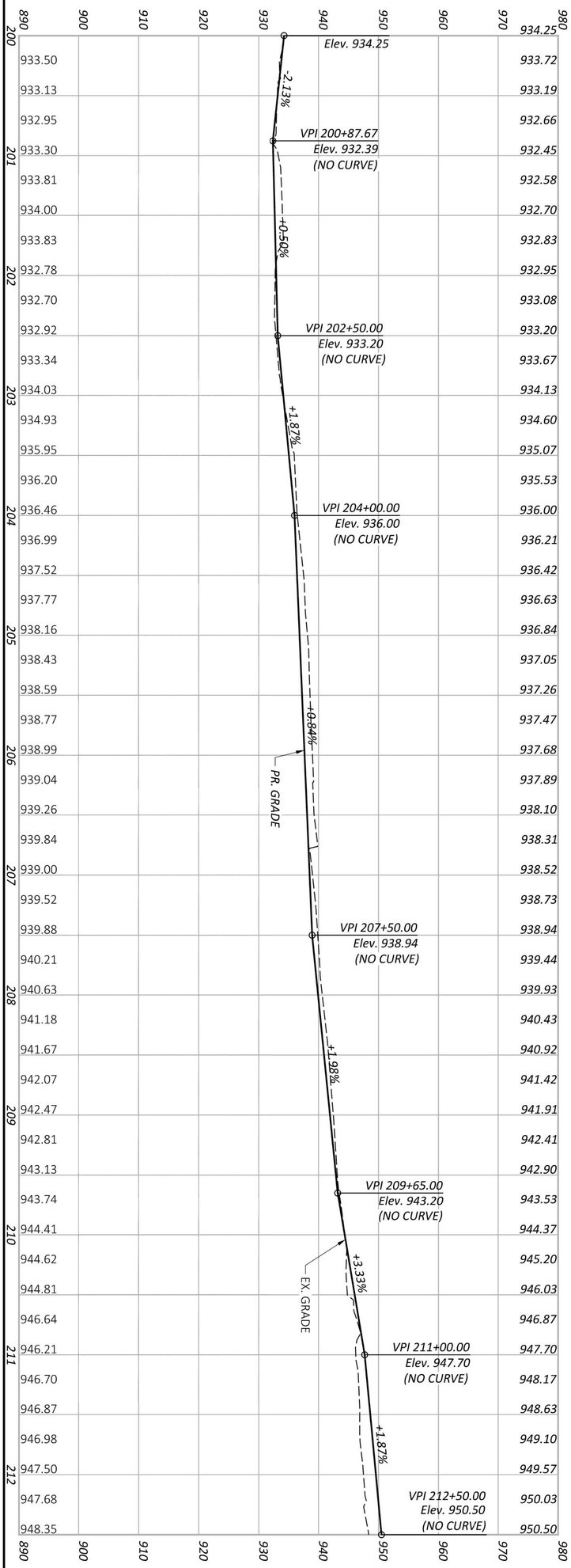

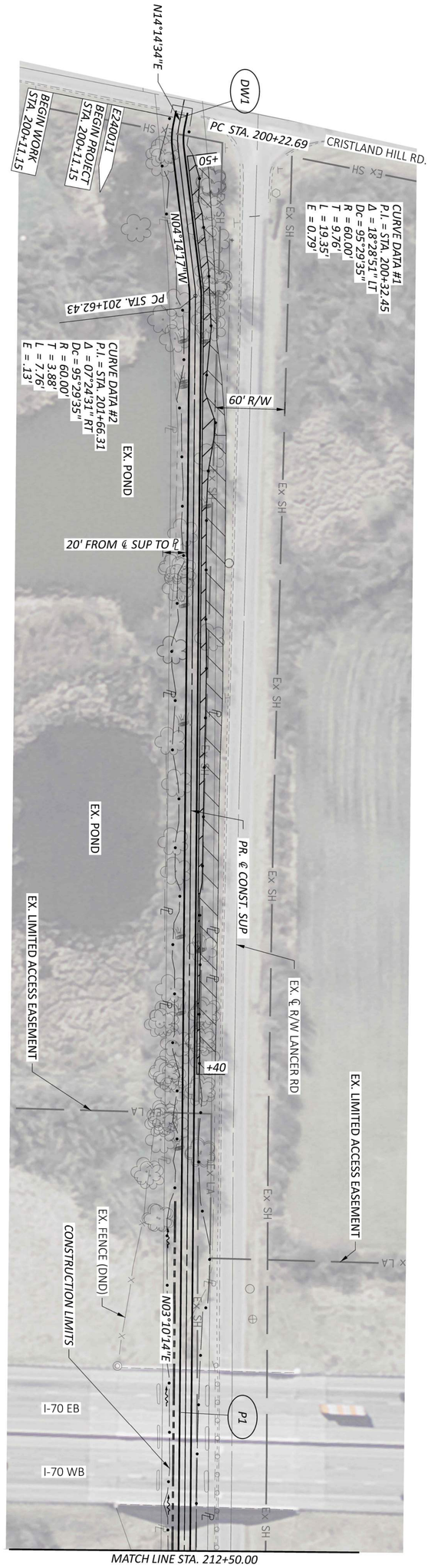

LEGEND

PR VEGETATIVE FILTER STRIP

EXISTING DENSE VEGETATION (DO NOT DISTURB)

PLAN AND PROFILE
STA. 200+00.00 TO STA. 212+50.00

HORIZONTAL SCALE IN FEET
0 50
25 100

SHEET	TOTAL
16	56

PROJECT ID: 117100

REVIEWER: CLD 08/16/24

DESIGNER: SEH

DESIGN AGENCY: OHM

MODEL: CLP_LANCER_SUP - Plan 2-2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/7/2024 TIME: 10:59:13 AM USER: cdekle
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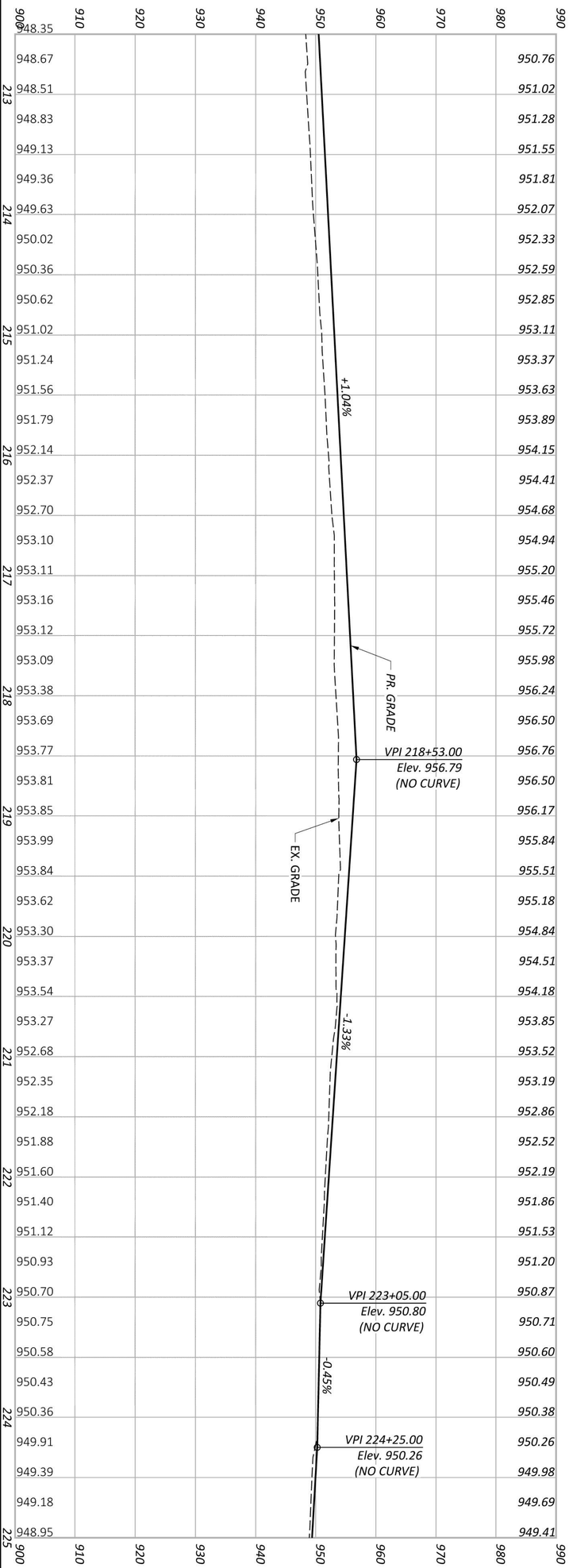

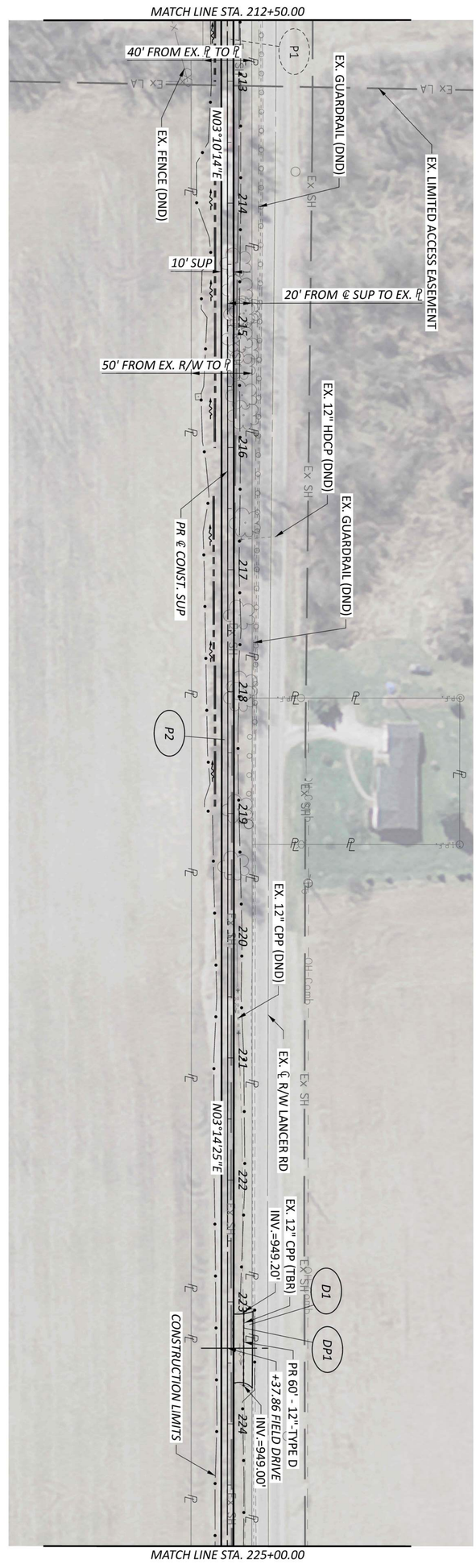

SHEET	TOTAL
17	56

PROJECT ID: 117100

REVIEWER: CLD 08/16/24

DESIGNER: SEH

DESIGN AGENCY: OHM

PLAN AND PROFILE
STA. 212+50.00 TO STA. 225+00.00

HORIZONTAL SCALE IN FEET

0 50

25 100

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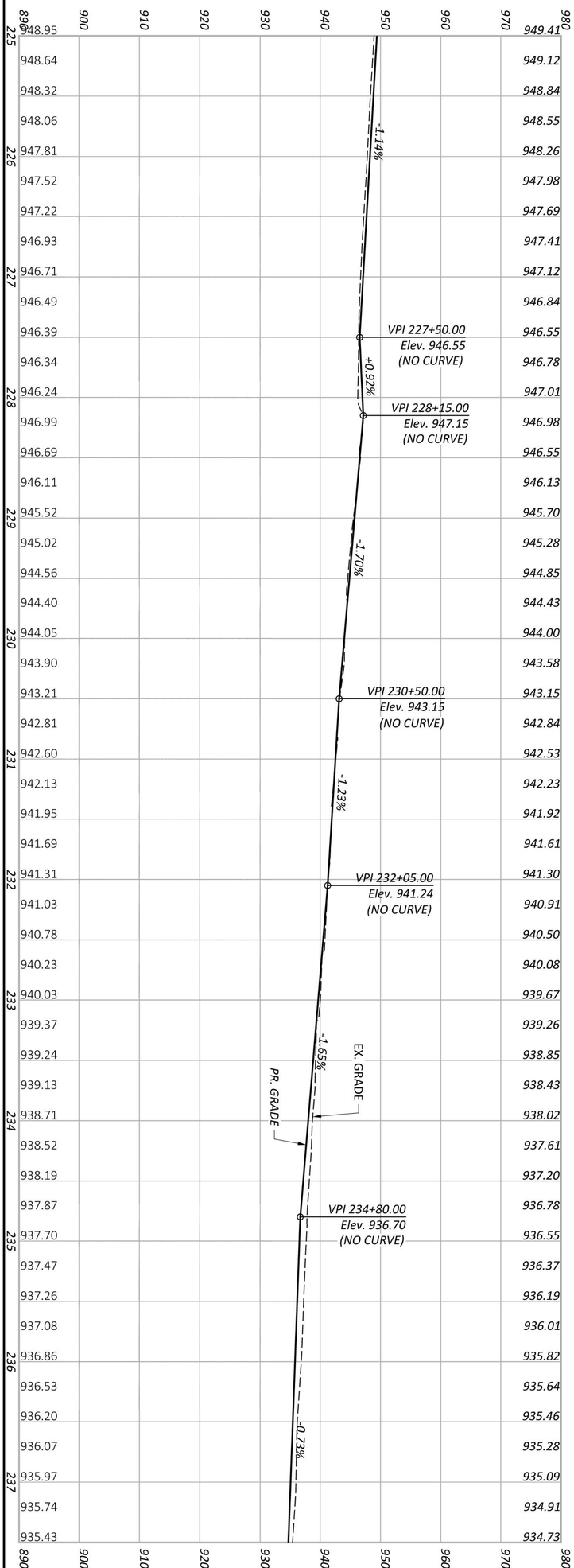
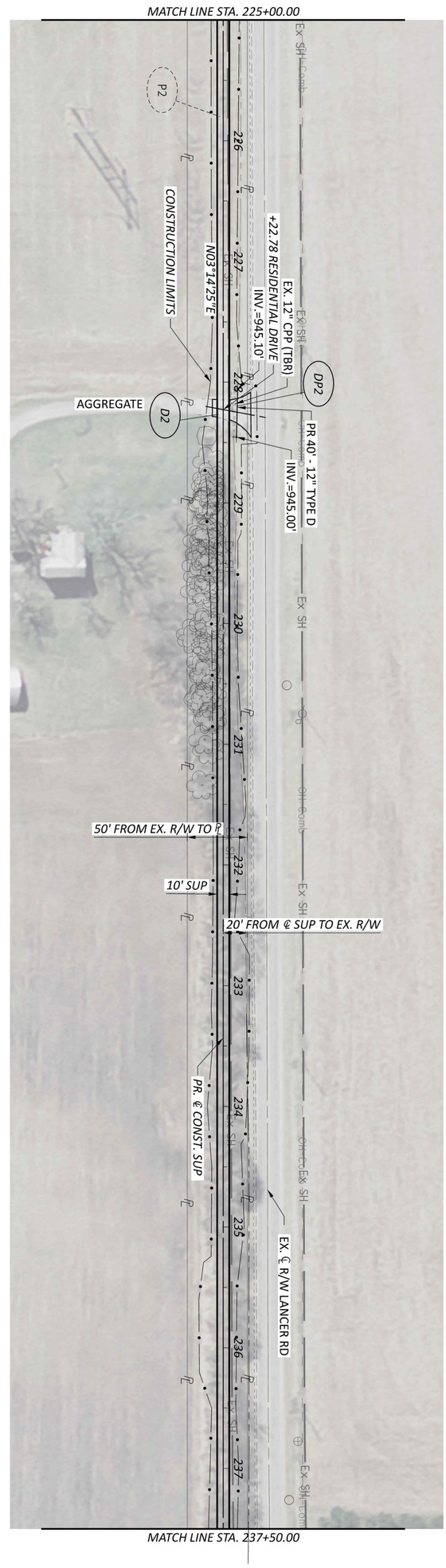




LEGEND

PR VEGETATIVE FILTER STRIP

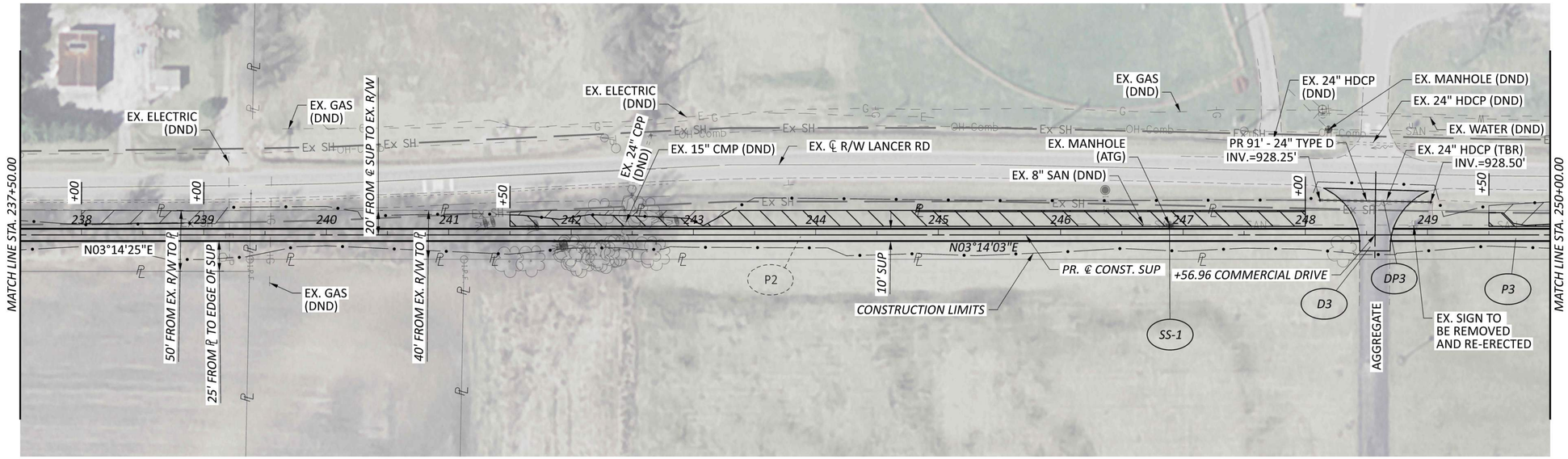
EXISTING DENSE VEGETATION (DO NOT DISTURB)

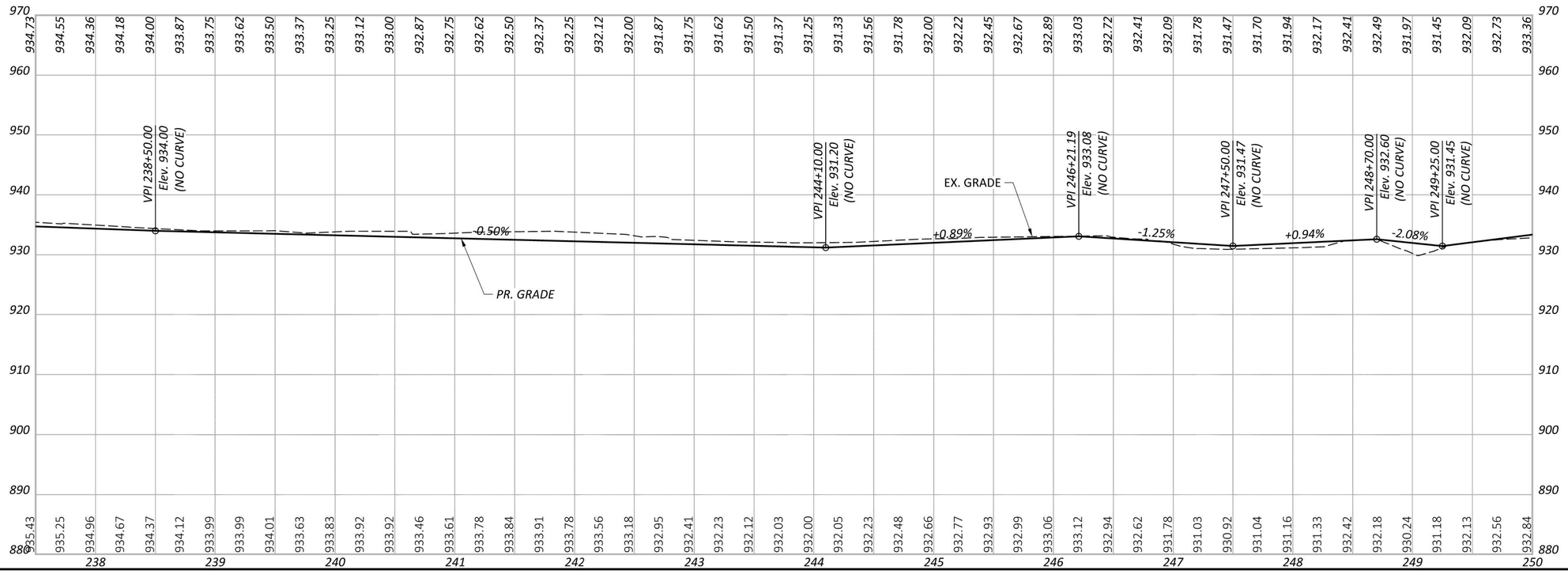
PLAN AND PROFILE
STA. 225+00.00 TO STA. 237+50.00

HORIZONTAL SCALE IN FEET
0 50
25 100

DESIGNER	REVIEWER	PROJECT ID	SHEET	TOTAL
SEH	CLD 08/16/24	117100	18	56

DESIGN AGENCY





LEGEND

- PR VEGETATIVE FILTER STRIP
- EXISTING DENSE VEGETATION (DO NOT DISTURB)

HORIZONTAL SCALE IN FEET
0 25 50 100

PLAN AND PROFILE
STA. 237+50.00 TO STA. 250+00.00

LIC-CR327-0.00

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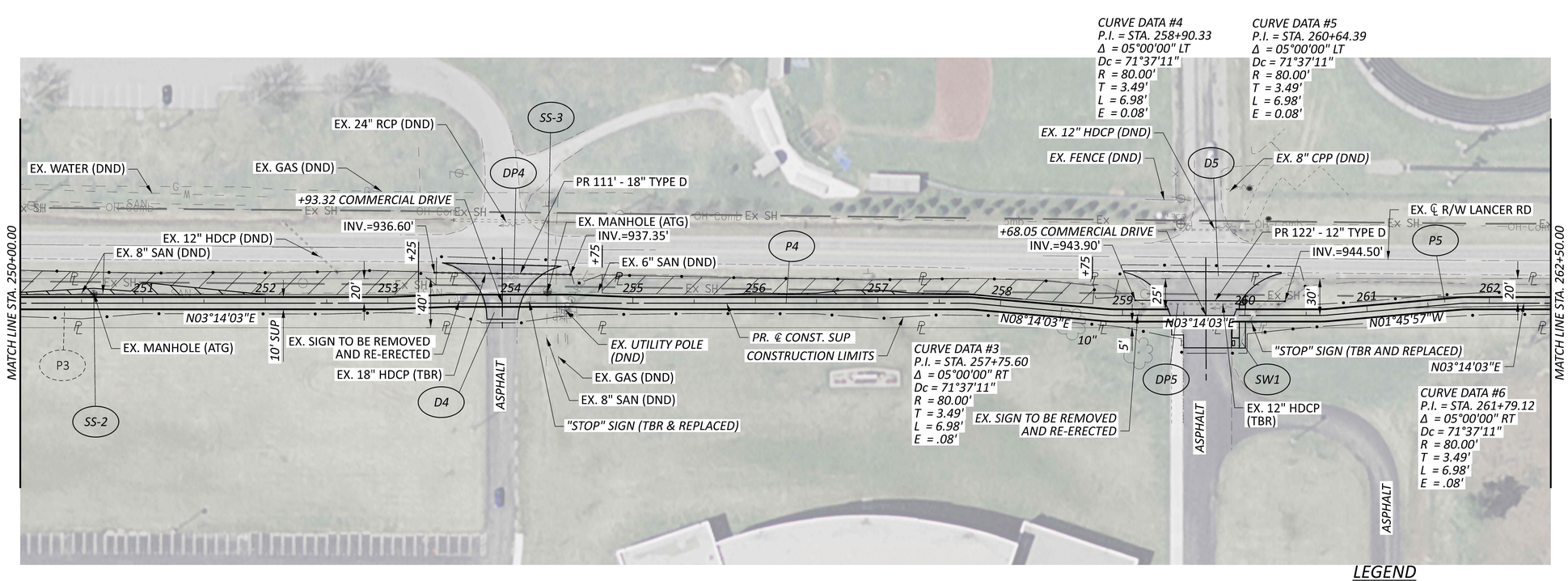
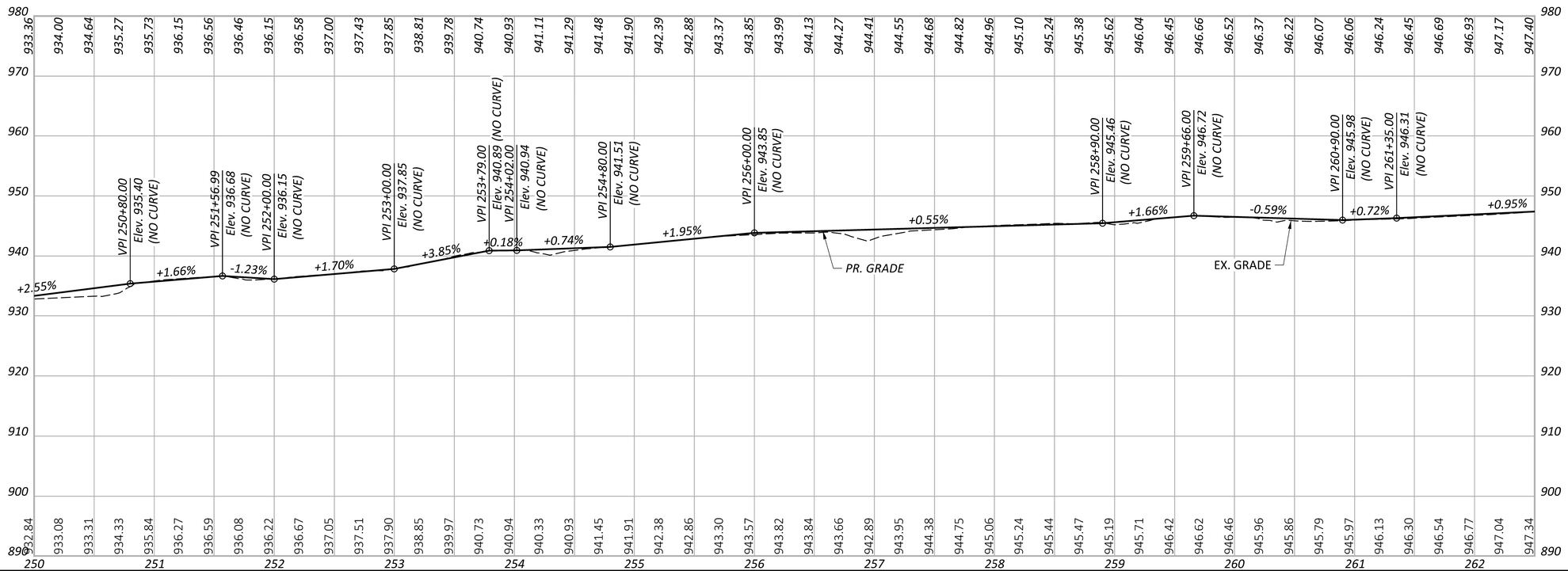
DESIGN AGENCY
OHM

DESIGNER	SEH
REVIEWER	CLD 08/16/24
PROJECT ID	117100
SHEET	19
TOTAL	56





HORIZONTAL SCALE IN FEET
0 25 50 100

PLAN AND PROFILE
STA. 250+00.00 TO STA. 262+50.00

LIC-CR327-0.00

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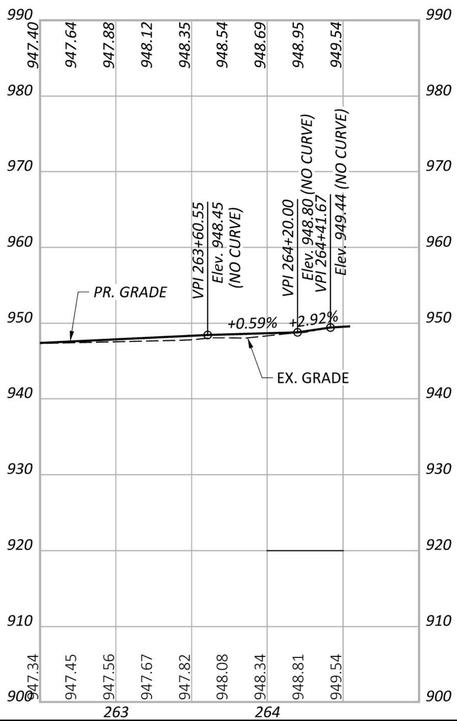
DESIGN AGENCY
OHM

DESIGNER	SEH
REVIEWER	CLD 08/16/24
PROJECT ID	117100
SHEET	20
TOTAL	56



LEGEND

- PR VEGETATIVE FILTER STRIP
- EXISTING DENSE VEGETATION (DO NOT DISTURB)

HORIZONTAL SCALE IN FEET
0 25 50 100

PLAN AND PROFILE
STA. 262+50.00 TO STA. 264+53.94

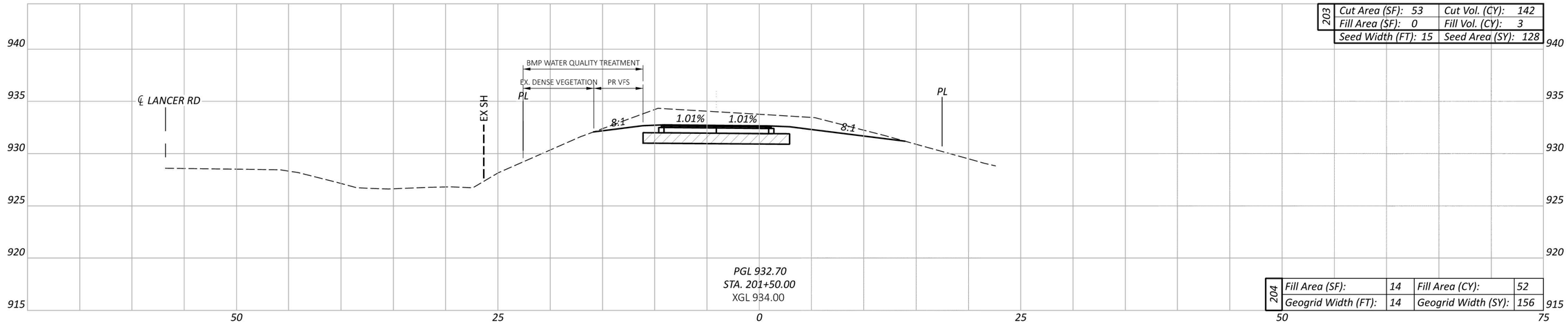
DESIGN AGENCY
OHM

DESIGNER	SEH
REVIEWER	CLD 08/16/24
PROJECT ID	117100
SHEET	21
TOTAL	56

LIC-CR327-0.00

MODEL: CLP_LANCER_SUP - Plan 6-2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/7/2024 TIME: 11:00:03 AM USER: cdekle
P:\6501_6999\6695230010_Lancer_Rd_-_CR327_SUP\ODOT\117100\400-Engineering\Roadway\Sheets\117100_GP001.dgn

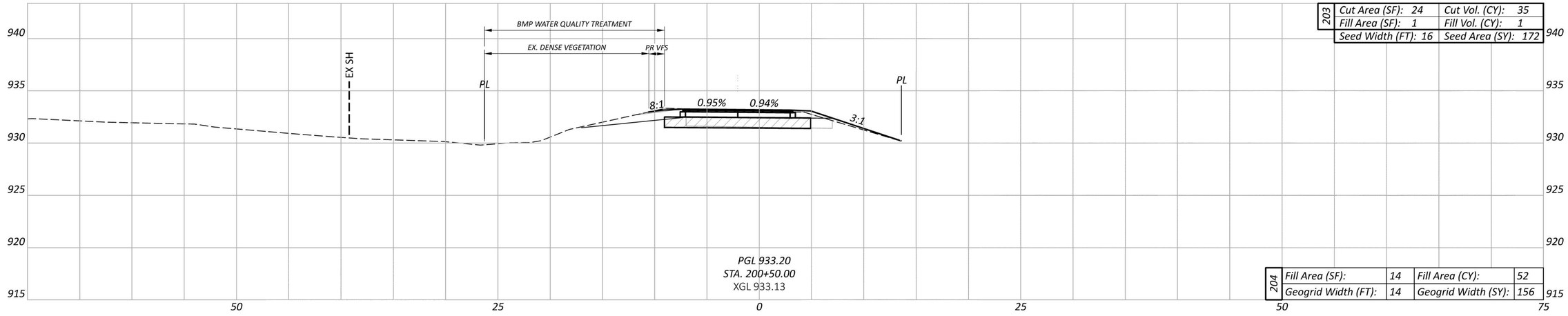
LEGEND
UNSTABLE SUBGRADE:
ITEM 204 - EXCAVATION OF SUBGRADE
ITEM 204 - GRANULAR MATERIAL, TYPE C
ITEM 204 - GEOGRID



PGL 932.70
STA. 201+50.00
XGL 934.00

203				
	Cut Area (SF): 53	Cut Vol. (CY): 142
	Fill Area (SF): 0	Fill Vol. (CY): 3
	Seed Width (FT): 15	Seed Area (SY): 128

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156

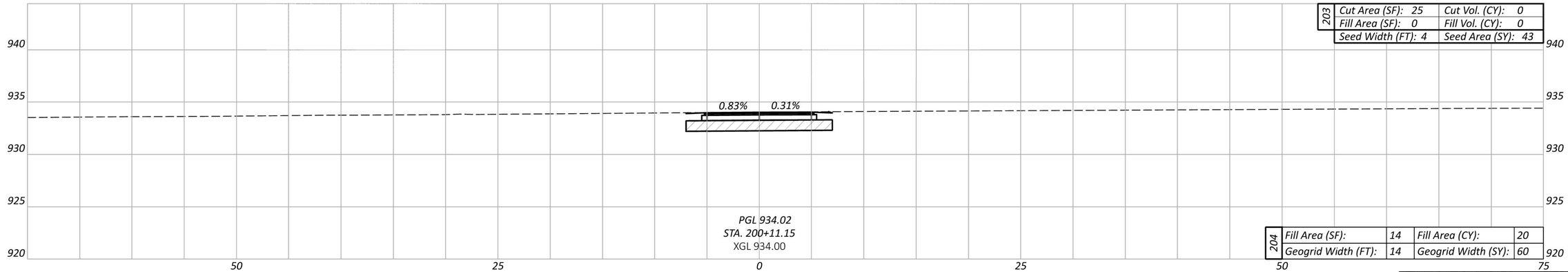


PGL 933.20
STA. 200+50.00
XGL 933.13

203				
	Cut Area (SF): 24	Cut Vol. (CY): 35
	Fill Area (SF): 1	Fill Vol. (CY): 1
	Seed Width (FT): 16	Seed Area (SY): 172

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156

BEGIN VEGETATIVE FILTER STRIP
STA. 200+50 LT



PGL 934.02
STA. 200+11.15
XGL 934.00

BEGIN PROJECT

203				
	Cut Area (SF): 25	Cut Vol. (CY): 0
	Fill Area (SF): 0	Fill Vol. (CY): 0
	Seed Width (FT): 4	Seed Area (SY): 43

204				
	Fill Area (SF):	14	Fill Area (CY):	20
	Geogrid Width (FT):	14	Geogrid Width (SY):	60

659	203	203	204	204
Seeding	Cut	Fill	Fill	Geogrid
343	177	4	124	372

CROSS SECTIONS
STA. 200+11.15 TO STA. 201+50.00

DESIGN AGENCY
OHM

DESIGNER
CLD

REVIEWER
BLS 08/16/24

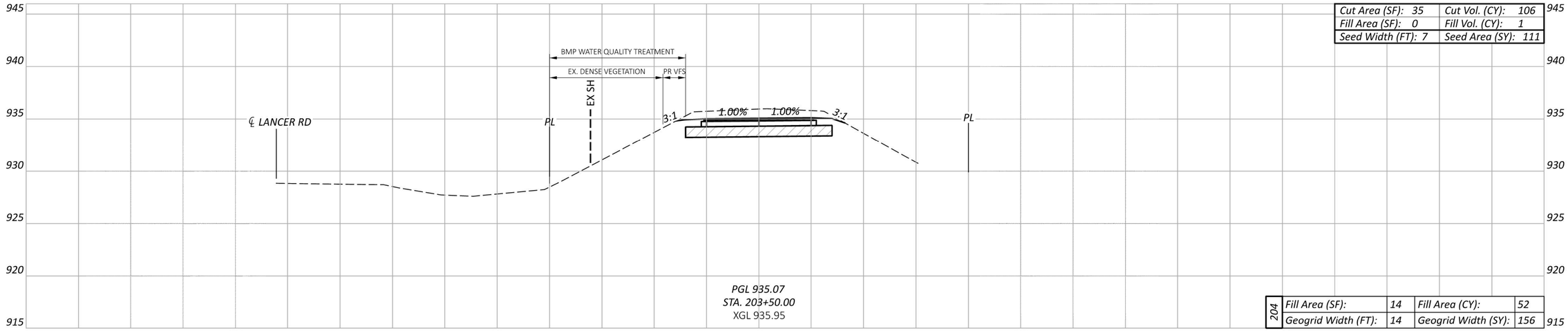
PROJECT ID
117100

SHEET 22 TOTAL 56

LIC-CR327-0.00

MODEL: CLP_LANCER_SUP - 200+11.15 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 8/15/2024 TIME: 9:13:31 AM USER: cdekle
P:\6501_6999\6695230010_Lancer_Rd_-_CR327_SUP\ODOT\117100\400-Engineering\Roadway\Sheets\117100_XS001.dgn

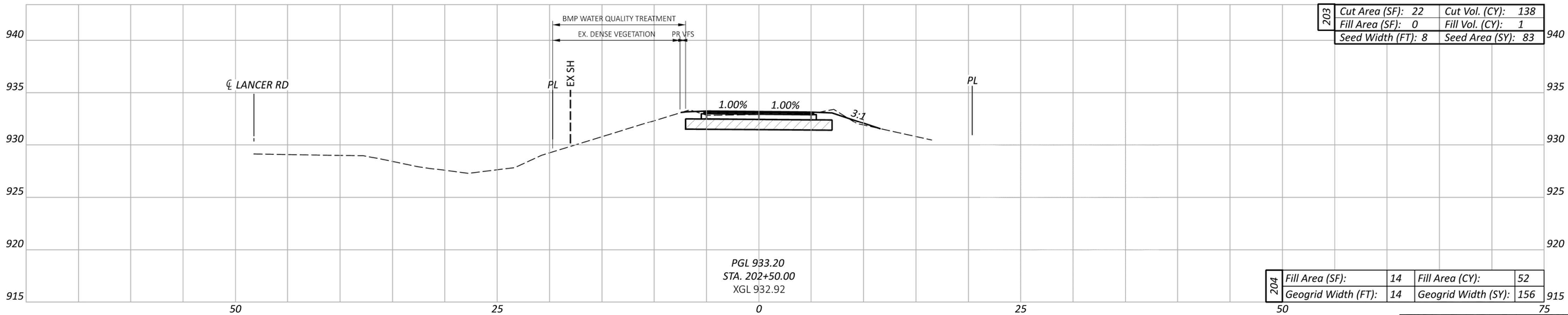
LEGEND *UNSTABLE SUBGRADE:*
ITEM 204 - EXCAVATION OF SUBGRADE
ITEM 204 - GRANULAR MATERIAL, TYPE C
ITEM 204 - GEOGRID



Cut Area (SF): 35	*Cut Vol. (CY): 106*		
Fill Area (SF): 0	*Fill Vol. (CY): 1*		
Seed Width (FT): 7	*Seed Area (SY): 111*		

PGL 935.07
STA. 203+50.00
XGL 935.95

204	*Fill Area (SF):*	*14*	*Fill Area (CY):*	*52*
	Geogrid Width (FT):	*14*	*Geogrid Width (SY):*	*156*



203	*Cut Area (SF): 22*	*Cut Vol. (CY): 138*	
	Fill Area (SF): 0	*Fill Vol. (CY): 1*	
	Seed Width (FT): 8	*Seed Area (SY): 83*	

PGL 933.20
STA. 202+50.00
XGL 932.92

204	*Fill Area (SF):*	*14*	*Fill Area (CY):*	*52*
	Geogrid Width (FT):	*14*	*Geogrid Width (SY):*	*156*

659	*203*	*203*	*204*	*204*
Seeding	Cut	Fill	*Fill*	*Geogrid*
194	*244*	*2*	*104*	*312*

CROSS SECTIONS
STA. 202+50.00 TO STA. 203+50.00

LIC-CR327-0.00

MODEL: CLP_LANCER_SUP - 202+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 8/15/2024 TIME: 9:14:05 AM USER: cdekle
P:\6501_6999\66952300l0_Lancer_Rd_-_CR327_SUP\ODOT\117100\400-Engineering\Roadway\Sheets\117100_XS001.dgn

DESIGN AGENCY
OHM

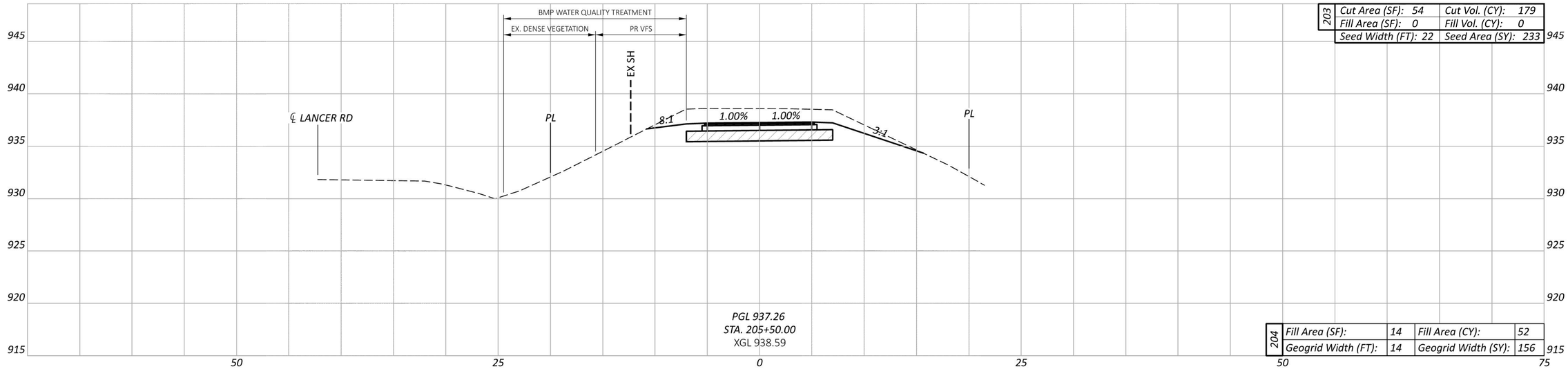
DESIGNER
CLD

REVIEWER
BLS 08/16/24

PROJECT ID
117100

SHEET 23 | TOTAL 56

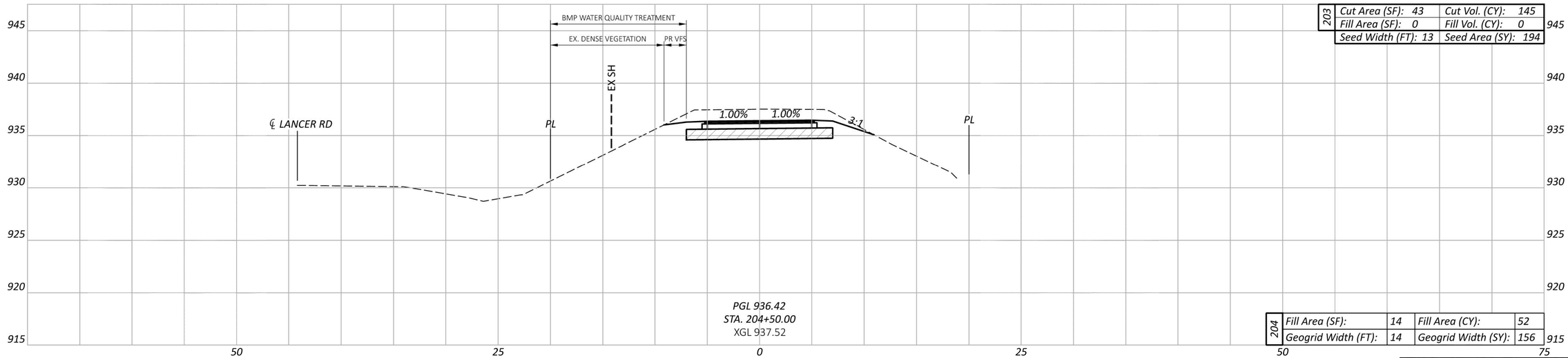
LEGEND *UNSTABLE SUBGRADE:*
ITEM 204 - EXCAVATION OF SUBGRADE
ITEM 204 - GRANULAR MATERIAL, TYPE C
ITEM 204 - GEOGRID



203				
	Cut Area (SF):	54	Cut Vol. (CY):	179
	Fill Area (SF):	0	Fill Vol. (CY):	0
	Seed Width (FT):	22	Seed Area (SY):	233

PGL 937.26
STA. 205+50.00
XGL 938.59

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156



203				
	Cut Area (SF):	43	Cut Vol. (CY):	145
	Fill Area (SF):	0	Fill Vol. (CY):	0
	Seed Width (FT):	13	Seed Area (SY):	194

PGL 936.42
STA. 204+50.00
XGL 937.52

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156

659	203	203	204	204
Seeding	Cut	Fill	Fill	Geogrid
427	325	0	104	312

CROSS SECTIONS
STA. 204+50.00 TO STA. 205+50.00

DESIGN AGENCY
OHM

DESIGNER
CLD

REVIEWER
BLS 08/16/24

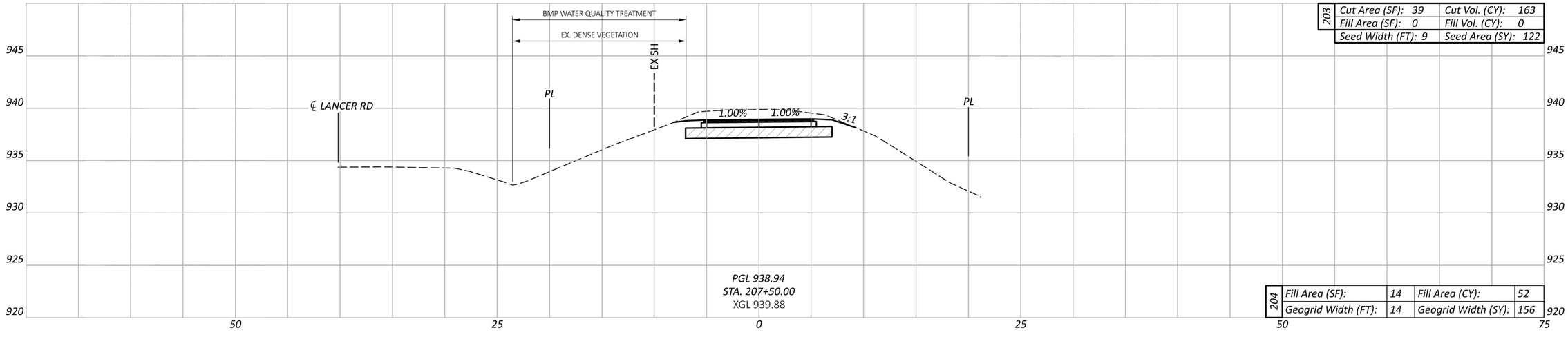
PROJECT ID
117100

SHEET 24 | TOTAL 56

LIC-CR327-0.00

MODEL: CLP_LANCER_SUP - 204+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 8/15/2024 TIME: 9:14:25 AM USER: cdekle
P:\6501_6999\6695230010_Lancer_Rd_-_CR327_SUP\ODOT\117100\400-Engineering\Roadway\Sheets\117100_XS001.dgn

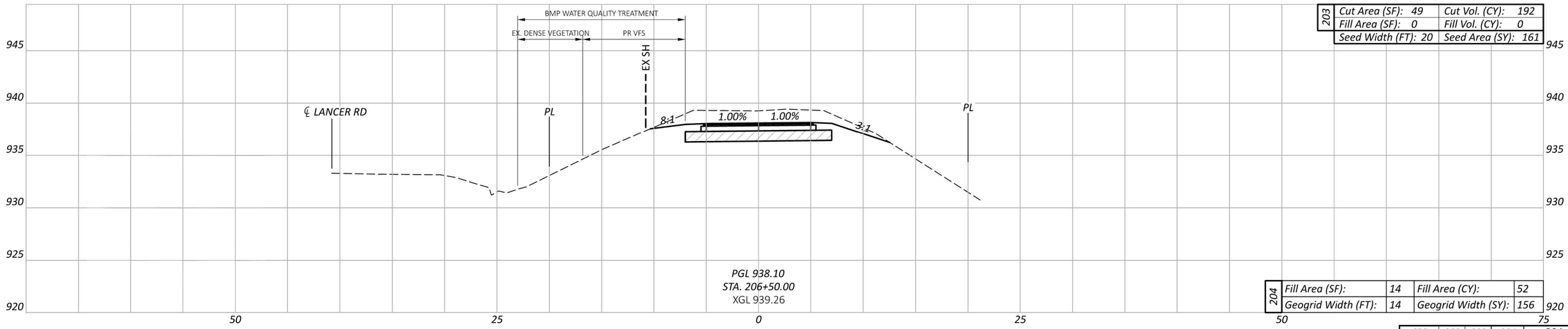
LEGEND
UNSTABLE SUBGRADE:
ITEM 204 - EXCAVATION OF SUBGRADE
ITEM 204 - GRANULAR MATERIAL, TYPE C
ITEM 204 - GEOGRID



PGL 938.94
STA. 207+50.00
XGL 939.88

203	Cut Area (SF): 39	Cut Vol. (CY): 163
	Fill Area (SF): 0	Fill Vol. (CY): 0
	Seed Width (FT): 9	Seed Area (SY): 122

204	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156



PGL 938.10
STA. 206+50.00
XGL 939.26

203	Cut Area (SF): 49	Cut Vol. (CY): 192
	Fill Area (SF): 0	Fill Vol. (CY): 0
	Seed Width (FT): 20	Seed Area (SY): 161

204	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156

659	203	203	204	204
Seeding	Cut	Fill	Fill	Geogrid
283	356	0	104	312

CROSS SECTIONS
STA. 206+50.00 TO STA. 207+50.00

DESIGN AGENCY
OHM

DESIGNER
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REVIEWER
BLS 08/16/24

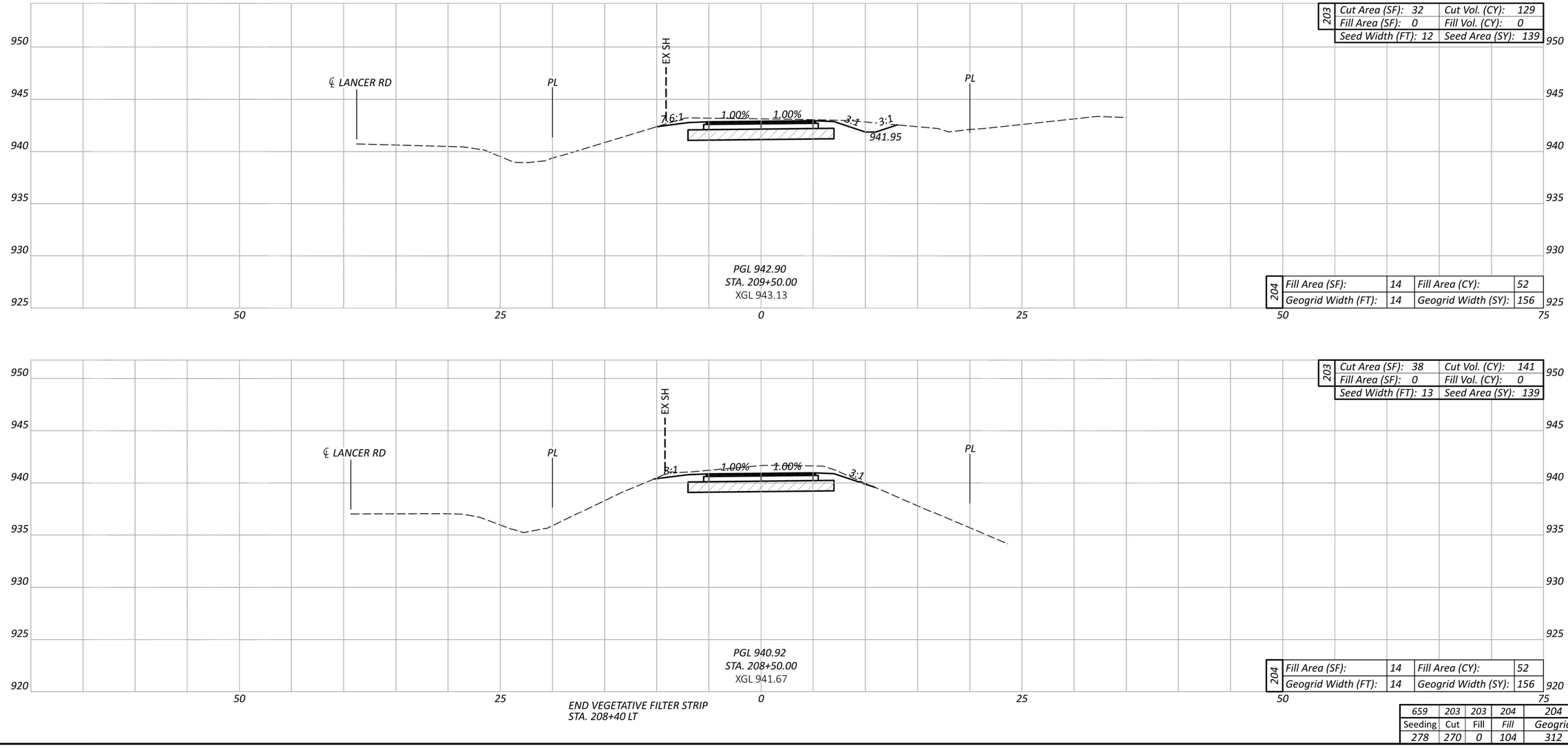
PROJECT ID
117100

SHEET 25 | TOTAL 56

LIC-CR327-0.00

MODEL: CLP_LANCER_SUP - 206+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 8/15/2024 TIME: 9:14:43 AM USER: cdekle
P:\6501_6999\6695230010_Lancer_Rd_-_CR327_SUP\ODOT\117100\400-Engineering\Roadway\Sheets\117100_XS001.dgn

LEGEND *UNSTABLE SUBGRADE:*
ITEM 204 - EXCAVATION OF SUBGRADE
ITEM 204 - GRANULAR MATERIAL, TYPE C
ITEM 204 - GEOGRID



203				
	Cut Area (SF): 32		Cut Vol. (CY): 129	
	Fill Area (SF): 0		Fill Vol. (CY): 0	
	Seed Width (FT): 12		Seed Area (SY): 139	

PGL 942.90
STA. 209+50.00
XGL 943.13

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156

203				
	Cut Area (SF): 38		Cut Vol. (CY): 141	
	Fill Area (SF): 0		Fill Vol. (CY): 0	
	Seed Width (FT): 13		Seed Area (SY): 139	

PGL 940.92
STA. 208+50.00
XGL 941.67

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156

END VEGETATIVE FILTER STRIP
STA. 208+40 LT

659	203	203	204	204
Seeding	Cut	Fill	*Fill*	*Geogrid*
278	*270*	*0*	*104*	*312*

CROSS SECTIONS
STA. 208+50.00 TO STA. 209+50.00

DESIGN AGENCY
OHM

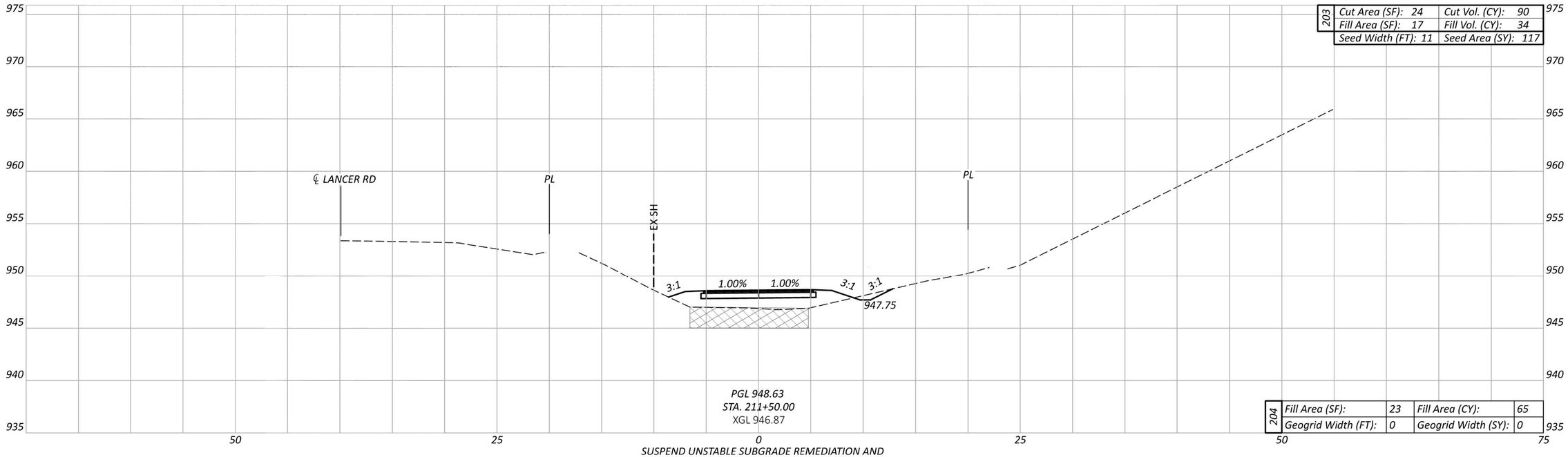
DESIGNER CLD
REVIEWER BLS 08/16/24
PROJECT ID 117100
SHEET 26 TOTAL 56

LIC-CR327-0.00

MODEL: CLP_LANCER_SUP - 208+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 8/15/2024 TIME: 9:15:02 AM USER: cdekle
P:\6501_6999\6695230010_Lancer_Rd_-_CR327_SUP\ODOT\117100\400-Engineering\Roadway\Sheets\117100_XS001.dgn

LEGEND
UNSTABLE SUBGRADE:
ITEM 204 - EXCAVATION OF SUBGRADE
ITEM 204 - GRANULAR MATERIAL, TYPE C
ITEM 204 - GEOGRID

ITEM 204 - EXCAVATION OF SUBGRADE
ITEM 204 - GRANULAR MATERIAL, TYPE C

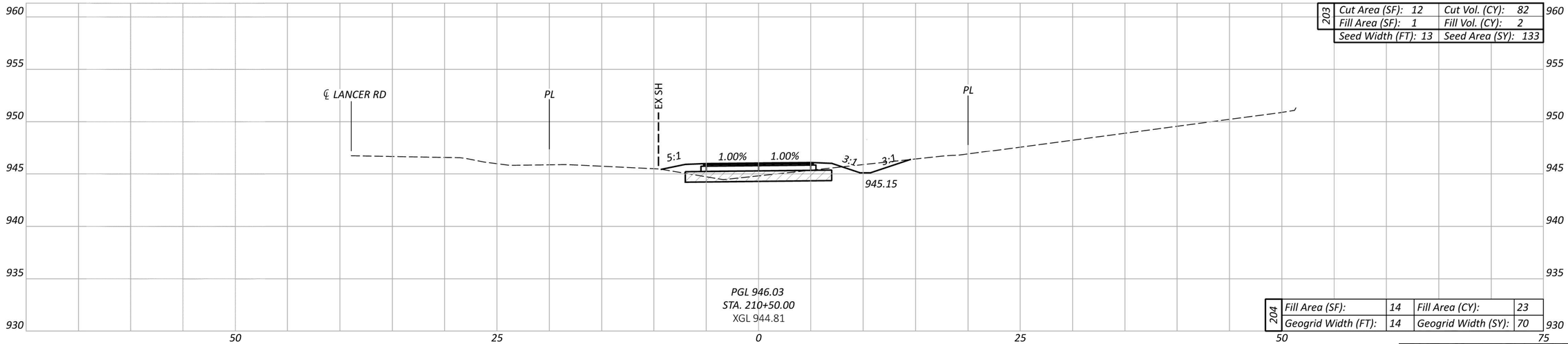


203				
	Cut Area (SF):	24	Cut Vol. (CY):	90
	Fill Area (SF):	17	Fill Vol. (CY):	34
	Seed Width (FT):	11	Seed Area (SY):	117

204				
	Fill Area (SF):	23	Fill Area (CY):	65
	Geogrid Width (FT):	0	Geogrid Width (SY):	0

PGL 948.63
STA. 211+50.00
XGL 946.87

SUSPEND UNSTABLE SUBGRADE REMEDIATION AND
BEGIN EMBANKMENT WITHIN EXISTING DITCH REMEDIATION
STA. 211+40



203				
	Cut Area (SF):	12	Cut Vol. (CY):	82
	Fill Area (SF):	1	Fill Vol. (CY):	2
	Seed Width (FT):	13	Seed Area (SY):	133

204				
	Fill Area (SF):	14	Fill Area (CY):	23
	Geogrid Width (FT):	14	Geogrid Width (SY):	70

PGL 946.03
STA. 210+50.00
XGL 944.81

659	203	203	204	204
Seeding	Cut	Fill	Fill	Geogrid
250	172	36	88	70

CROSS SECTIONS
STA. 210+50.00 TO STA. 211+50.00

DESIGN AGENCY
OHM

DESIGNER
CLD

REVIEWER
BLS 08/16/24

PROJECT ID
117100

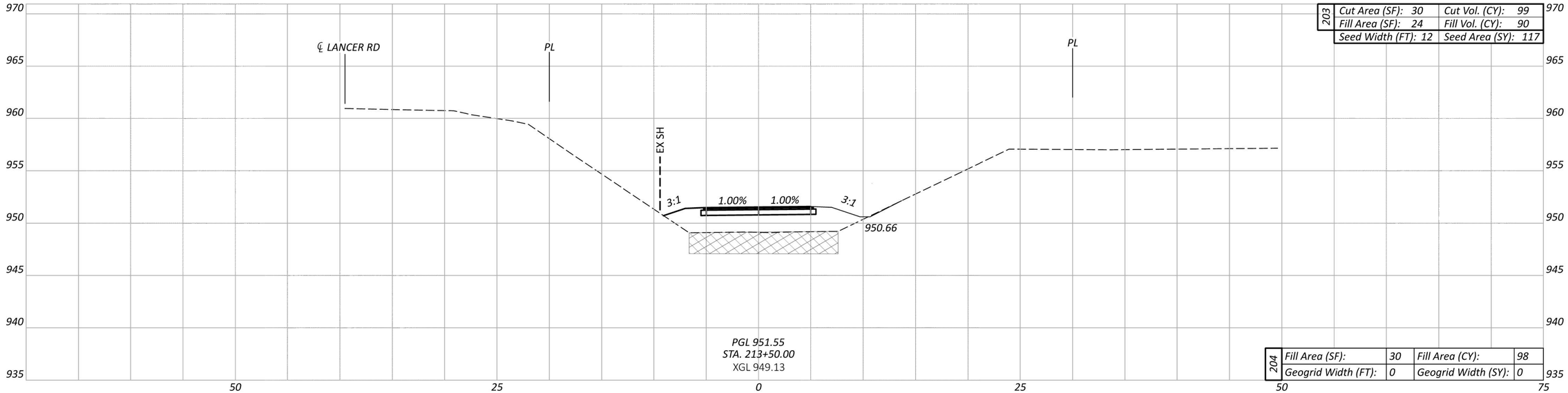
SHEET 27 TOTAL 56

LIC-CR327-0.00

MODEL: CLP_LANCER_SUP - 210+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 8/15/2024 TIME: 9:15:15 AM USER: cdekle
P:\6501_6999\6695230010_Lancer_Rd_-_CR327_SUP\ODOT\117100\400-Engineering\Roadway\Sheets\117100_XS001.dgn

LEGEND

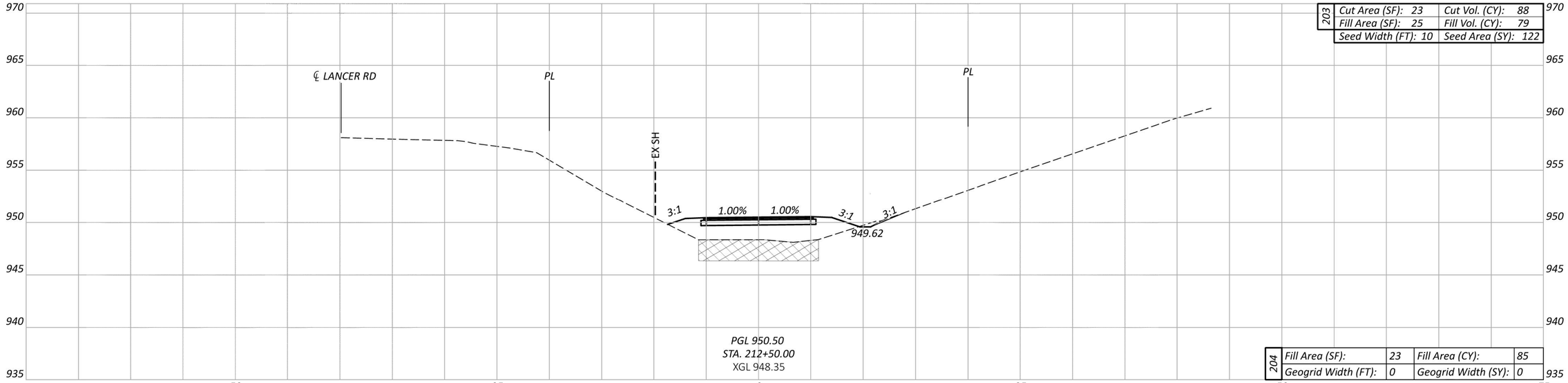
UNSTABLE SUBGRADE:
ITEM 204 - EXCAVATION OF SUBGRADE
ITEM 204 - GRANULAR MATERIAL, TYPE C



203				
	Cut Area (SF): 30	Cut Vol. (CY): 99
	Fill Area (SF): 24	Fill Vol. (CY): 90
	Seed Width (FT): 12	Seed Area (SY): 117

PGL 951.55
STA. 213+50.00
XGL 949.13

204				
	Fill Area (SF):	30	Fill Area (CY):	98
	Geogrid Width (FT):	0	Geogrid Width (SY):	0



203				
	Cut Area (SF): 23	Cut Vol. (CY): 88
	Fill Area (SF): 25	Fill Vol. (CY): 79
	Seed Width (FT): 10	Seed Area (SY): 122

PGL 950.50
STA. 212+50.00
XGL 948.35

204				
	Fill Area (SF):	23	Fill Area (CY):	85
	Geogrid Width (FT):	0	Geogrid Width (SY):	0

659	203	203	204	204
Seeding	Cut	Fill	Fill	Geogrid
239	187	169	183	0

CROSS SECTIONS
STA. 212+50.00 TO STA. 213+50.00

LIC-CR327-0.00

MODEL: CLP_LANCER_SUP - 212+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 8/15/2024 TIME: 9:15:34 AM USER: cdekle
P:\6501_6999\66952300l0_Lancer_Rd_-_CR327_SUP\ODOT\117100\400-Engineering\Roadway\Sheets\117100_XS001.dgn

DESIGN AGENCY
OHM

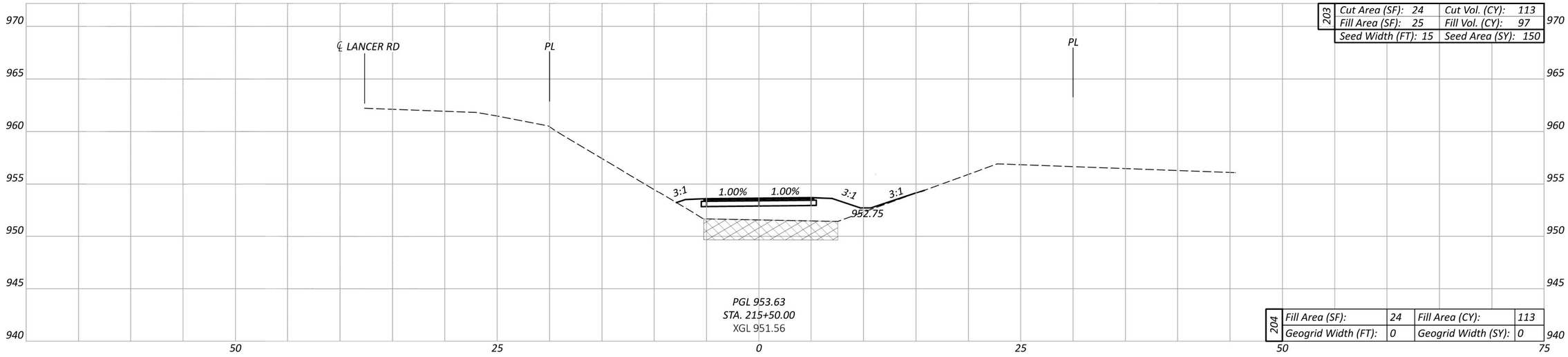
DESIGNER
CLD

REVIEWER
BLS 08/16/24

PROJECT ID
117100

SHEET 28 | TOTAL 56

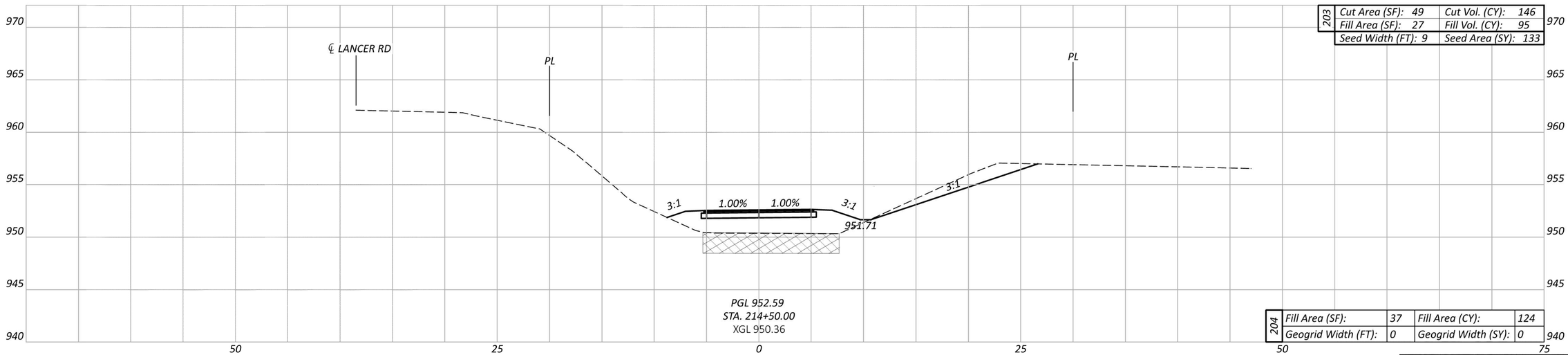
LEGEND
UNSTABLE SUBGRADE:
ITEM 204 - EXCAVATION OF SUBGRADE
ITEM 204 - GRANULAR MATERIAL, TYPE C



203				
	Cut Area (SF): 24		Cut Vol. (CY):	113
	Fill Area (SF): 25		Fill Vol. (CY):	97
	Seed Width (FT): 15		Seed Area (SY):	150

PGL 953.63
STA. 215+50.00
XGL 951.56

204				
	Fill Area (SF):	24	Fill Area (CY):	113
	Geogrid Width (FT):	0	Geogrid Width (SY):	0



203				
	Cut Area (SF): 49		Cut Vol. (CY):	146
	Fill Area (SF): 27		Fill Vol. (CY):	95
	Seed Width (FT): 9		Seed Area (SY):	133

PGL 952.59
STA. 214+50.00
XGL 950.36

204				
	Fill Area (SF):	37	Fill Area (CY):	124
	Geogrid Width (FT):	0	Geogrid Width (SY):	0

659	203	203	204	204
Seeding	Cut	Fill	Fill	Geogrid
283	259	192	237	0

CROSS SECTIONS
STA. 214+50.00 TO STA. 215+50.00

LIC-CR327-0.00

MODEL: CLP_LANCER_SUP - 214+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 8/15/2024 TIME: 9:15:51 AM USER: cdekle
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DESIGN AGENCY
OHM

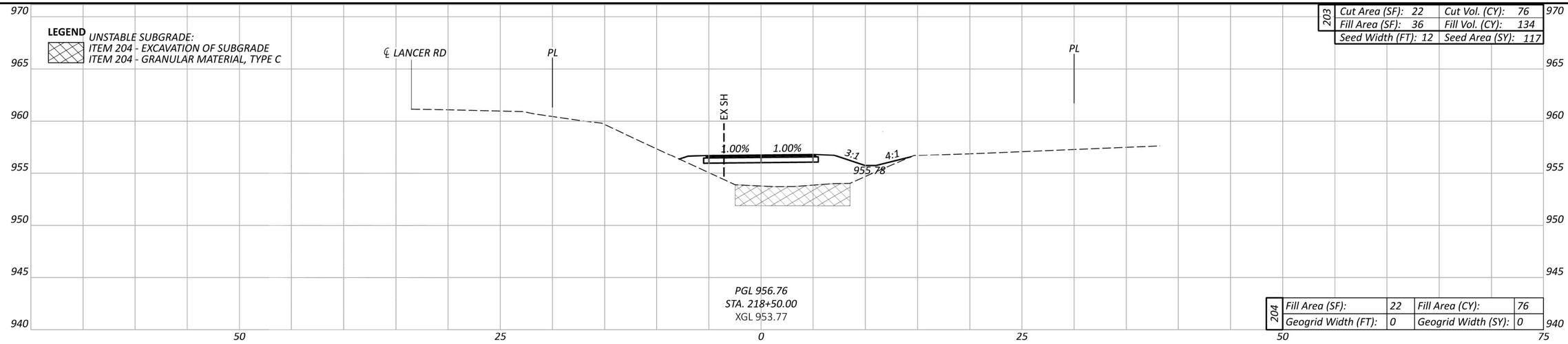
DESIGNER
CLD

REVIEWER
BLS 08/16/24

PROJECT ID
117100

SHEET 29 TOTAL 56

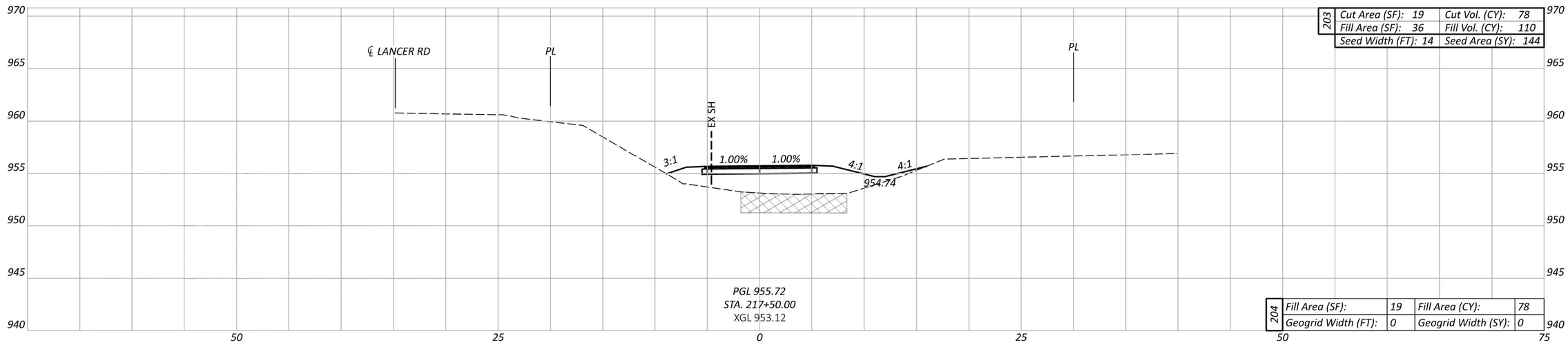
LEGEND
UNSTABLE SUBGRADE:
ITEM 204 - EXCAVATION OF SUBGRADE
ITEM 204 - GRANULAR MATERIAL, TYPE C



PGL 956.76
STA. 218+50.00
XGL 953.77

203	Cut Area (SF): 22	Cut Vol. (CY): 76
	Fill Area (SF): 36	Fill Vol. (CY): 134
	Seed Width (FT): 12	Seed Area (SY): 117

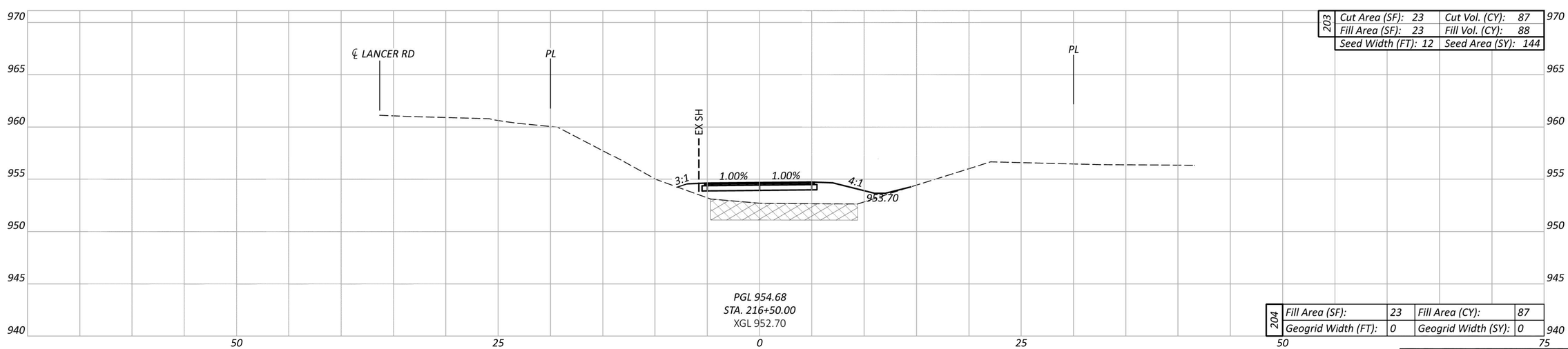
204	Fill Area (SF):	22	Fill Area (CY):	76
	Geogrid Width (FT):	0	Geogrid Width (SY):	0



PGL 955.72
STA. 217+50.00
XGL 953.12

203	Cut Area (SF): 19	Cut Vol. (CY): 78
	Fill Area (SF): 36	Fill Vol. (CY): 110
	Seed Width (FT): 14	Seed Area (SY): 144

204	Fill Area (SF):	19	Fill Area (CY):	78
	Geogrid Width (FT):	0	Geogrid Width (SY):	0



PGL 954.68
STA. 216+50.00
XGL 952.70

203	Cut Area (SF): 23	Cut Vol. (CY): 87
	Fill Area (SF): 23	Fill Vol. (CY): 88
	Seed Width (FT): 12	Seed Area (SY): 144

204	Fill Area (SF):	23	Fill Area (CY):	87
	Geogrid Width (FT):	0	Geogrid Width (SY):	0

659	203	203	204	204
Seeding	Cut	Fill	Fill	Geogrid
405	241	332	241	0

CROSS SECTIONS
STA. 216+50.00 TO STA. 218+50.00

LIC-CR327-0.00

MODEL: CLP_LANCER_SUP - 216+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 8/15/2024 TIME: 9:16:09 AM USER: cdekle
P:\6501_6999\66952300 10_Lancer_Rd_-_CR327_SUP\ODOT\117100\400-Engineering\Roadway\Sheets\117100_XS001.dgn

DESIGN AGENCY
OHM

DESIGNER
CLD

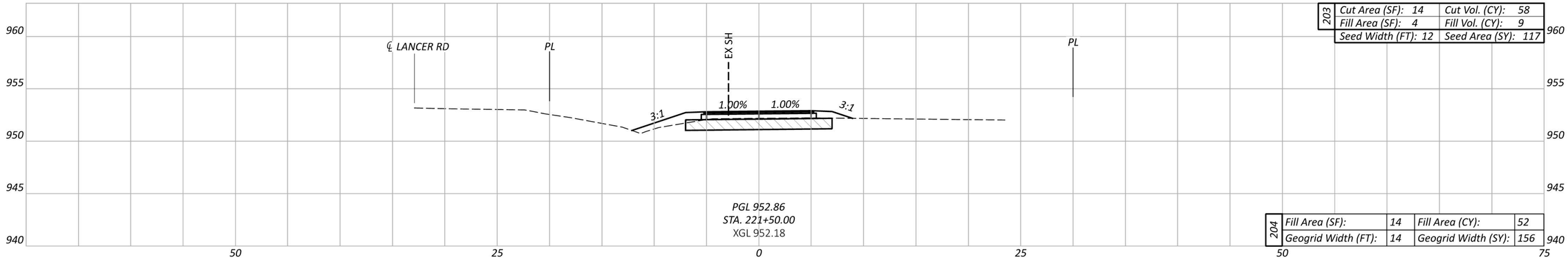
REVIEWER
BLS 08/16/24

PROJECT ID
117100

SHEET 30 | TOTAL 56

LEGEND
UNSTABLE SUBGRADE:
ITEM 204 - EXCAVATION OF SUBGRADE
ITEM 204 - GRANULAR MATERIAL, TYPE C
ITEM 204 - GEOGRID

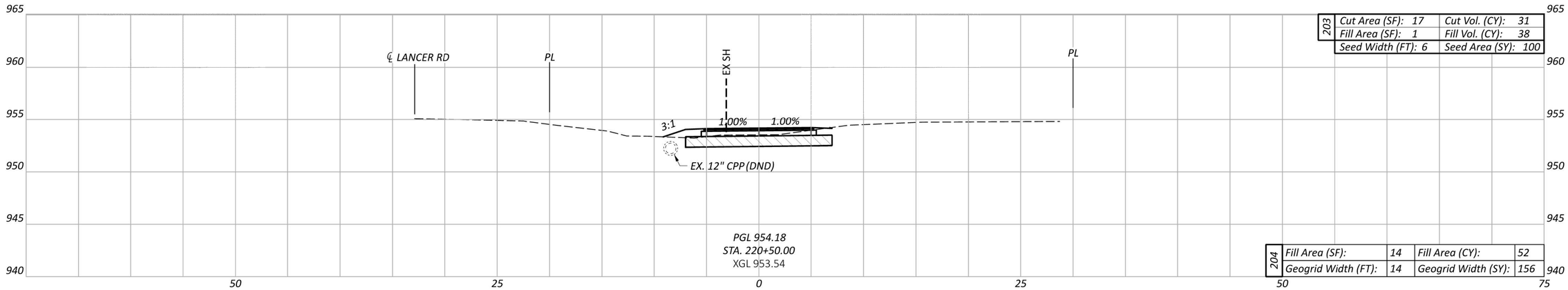
ITEM 204 - EXCAVATION OF SUBGRADE
ITEM 204 - GRANULAR MATERIAL, TYPE C



203				
	Cut Area (SF):	14	Cut Vol. (CY):	58
	Fill Area (SF):	4	Fill Vol. (CY):	9
	Seed Width (FT):	12	Seed Area (SY):	117

PGL 952.86
STA. 221+50.00
XGL 952.18

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156

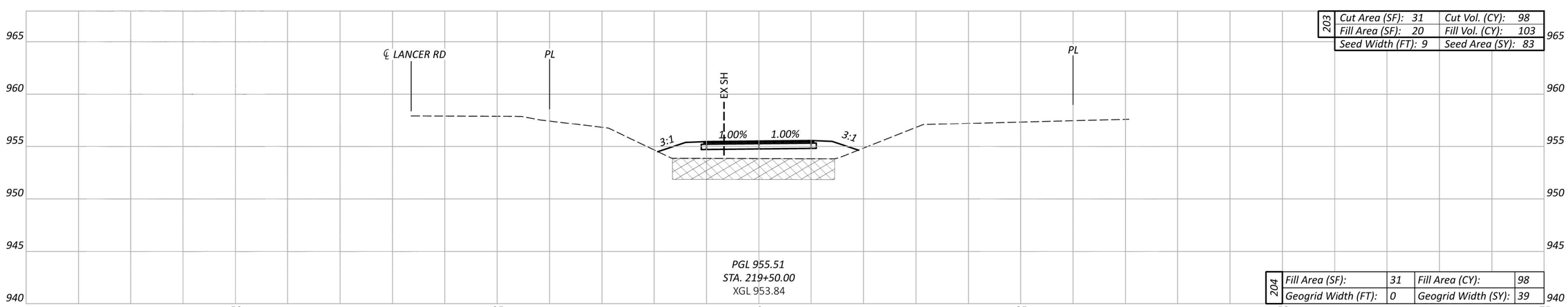


203				
	Cut Area (SF):	17	Cut Vol. (CY):	31
	Fill Area (SF):	1	Fill Vol. (CY):	38
	Seed Width (FT):	6	Seed Area (SY):	100

PGL 954.18
STA. 220+50.00
XGL 953.54

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156

END EMBANKMENT WITHIN EXISTING DITCH REMEDIATION
AND RESUME UNSTABLE SUBGRADE REMEDIATION
STA. 220+00



203				
	Cut Area (SF):	31	Cut Vol. (CY):	98
	Fill Area (SF):	20	Fill Vol. (CY):	103
	Seed Width (FT):	9	Seed Area (SY):	83

PGL 955.51
STA. 219+50.00
XGL 953.84

204				
	Fill Area (SF):	31	Fill Area (CY):	98
	Geogrid Width (FT):	0	Geogrid Width (SY):	39

659	203	203	204	204
Seeding	Cut	Fill	Fill	Geogrid
300	187	150	202	351

CROSS SECTIONS
STA. 219+50.00 TO STA. 221+50.00

DESIGN AGENCY
OHM

DESIGNER
CLD

REVIEWER
BLS 08/16/24

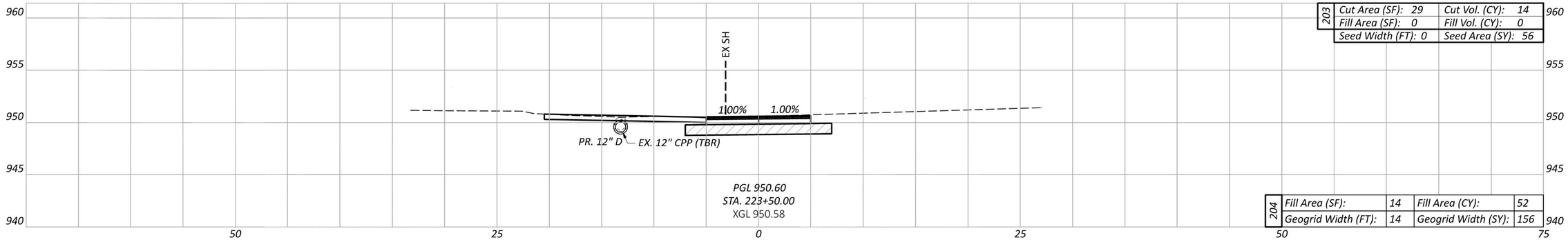
PROJECT ID
117100

SHEET 31 TOTAL 56

LIC-CR327-0.00

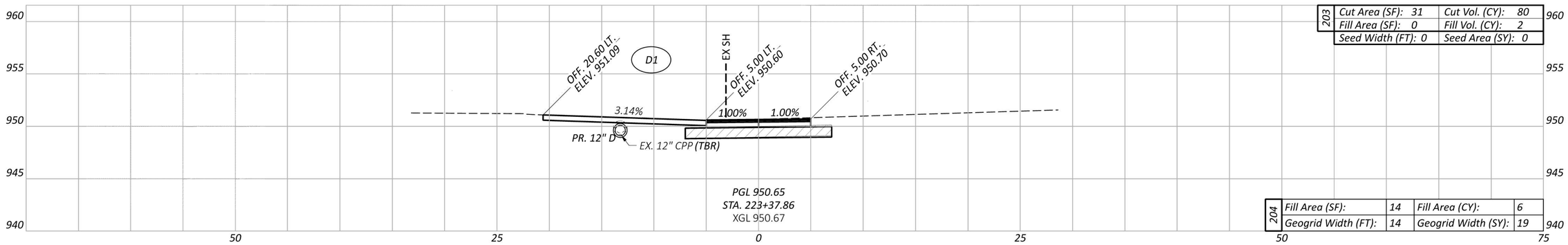
MODEL: CLP_LANCER_SUP - 219+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 8/15/2024 TIME: 9:16:29 AM USER: cdekle
P:\6501_6999\6695230010_Lancer_Rd_-_CR327_SUP\ODOT\117100\400-Engineering\Roadway\Sheets\117100_XS001.dgn

LEGEND *UNSTABLE SUBGRADE:*
ITEM 204 - EXCAVATION OF SUBGRADE
ITEM 204 - GRANULAR MATERIAL, TYPE C
ITEM 204 - GEOGRID



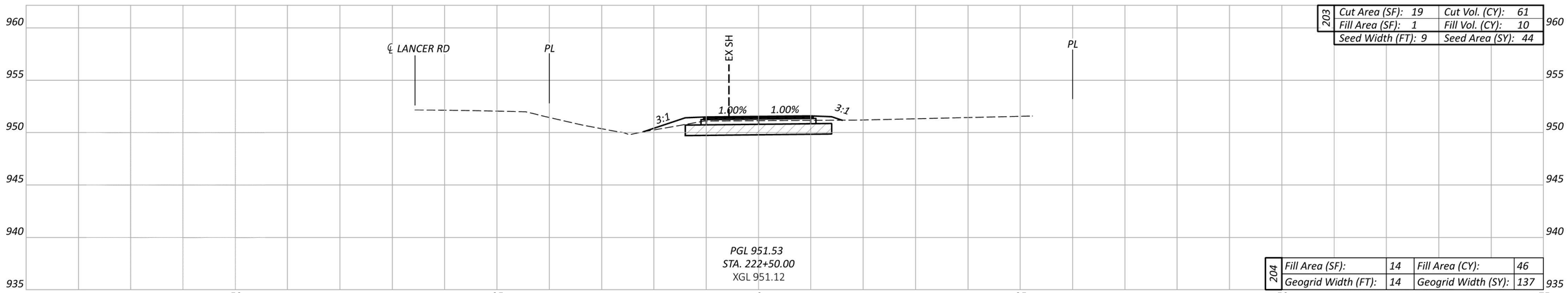
203				
	Cut Area (SF): 29		Cut Vol. (CY): 14	
	Fill Area (SF): 0		Fill Vol. (CY): 0	
	Seed Width (FT): 0		Seed Area (SY): 56	

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156



203				
	Cut Area (SF): 31		Cut Vol. (CY): 80	
	Fill Area (SF): 0		Fill Vol. (CY): 2	
	Seed Width (FT): 0		Seed Area (SY): 0	

204				
	Fill Area (SF):	14	Fill Area (CY):	6
	Geogrid Width (FT):	14	Geogrid Width (SY):	19



203				
	Cut Area (SF): 19		Cut Vol. (CY): 61	
	Fill Area (SF): 1		Fill Vol. (CY): 10	
	Seed Width (FT): 9		Seed Area (SY): 44	

204				
	Fill Area (SF):	14	Fill Area (CY):	46
	Geogrid Width (FT):	14	Geogrid Width (SY):	137

659	203	203	204	204
Seeding	Cut	Fill	*Fill*	*Geogrid*
100	*155*	*12*	*104*	*312*

CROSS SECTIONS
STA. 222+50.00 TO STA. 223+50.00

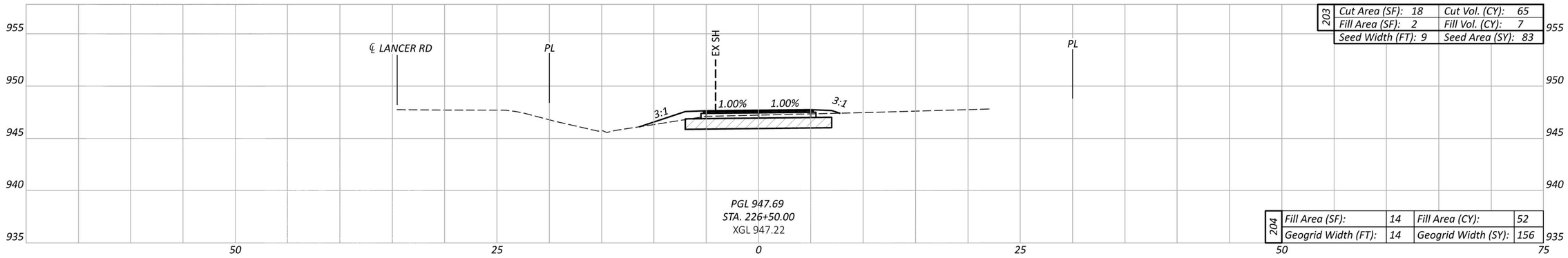
DESIGN AGENCY
OHM

DESIGNER CLD
REVIEWER BLS 08/16/24
PROJECT ID 117100
SHEET 32 TOTAL 56

LIC-CR327-0.00

MODEL: CLP_LANCER_SUP - 222+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 8/15/2024 TIME: 9:16:50 AM USER: cdekle
P:\6501_6999\6695230010_Lancer_Rd_-_CR327_SUP\ODOT\117100\400-Engineering\Roadway\Sheets\117100_XS001.dgn

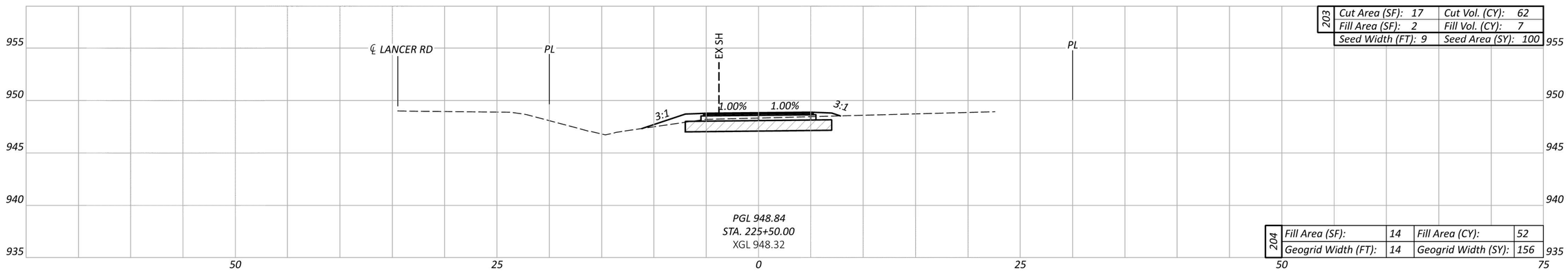
LEGEND
UNSTABLE SUBGRADE:
ITEM 204 - EXCAVATION OF SUBGRADE
ITEM 204 - GRANULAR MATERIAL, TYPE C
ITEM 204 - GEOGRID



PGL 947.69
STA. 226+50.00
XGL 947.22

203	Cut Area (SF): 18	Cut Vol. (CY): 65
	Fill Area (SF): 2	Fill Vol. (CY): 7
	Seed Width (FT): 9	Seed Area (SY): 83

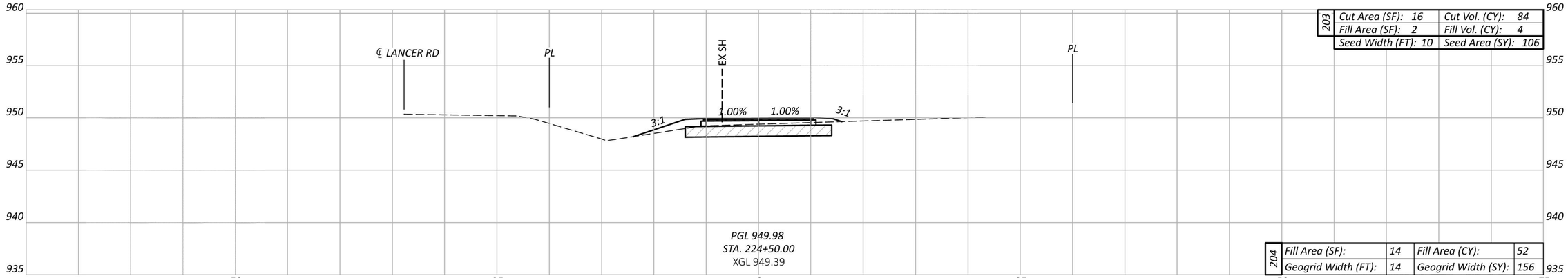
204	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156



PGL 948.84
STA. 225+50.00
XGL 948.32

203	Cut Area (SF): 17	Cut Vol. (CY): 62
	Fill Area (SF): 2	Fill Vol. (CY): 7
	Seed Width (FT): 9	Seed Area (SY): 100

204	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156



PGL 949.98
STA. 224+50.00
XGL 949.39

203	Cut Area (SF): 16	Cut Vol. (CY): 84
	Fill Area (SF): 2	Fill Vol. (CY): 4
	Seed Width (FT): 10	Seed Area (SY): 106

204	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156

659	203	203	204	204
Seeding	Cut	Fill	Fill	Geogrid
289	211	18	156	468

CROSS SECTIONS
STA. 224+50.00 TO STA. 226+50.00

DESIGN AGENCY
OHM

DESIGNER
CLD

REVIEWER
BLS 08/16/24

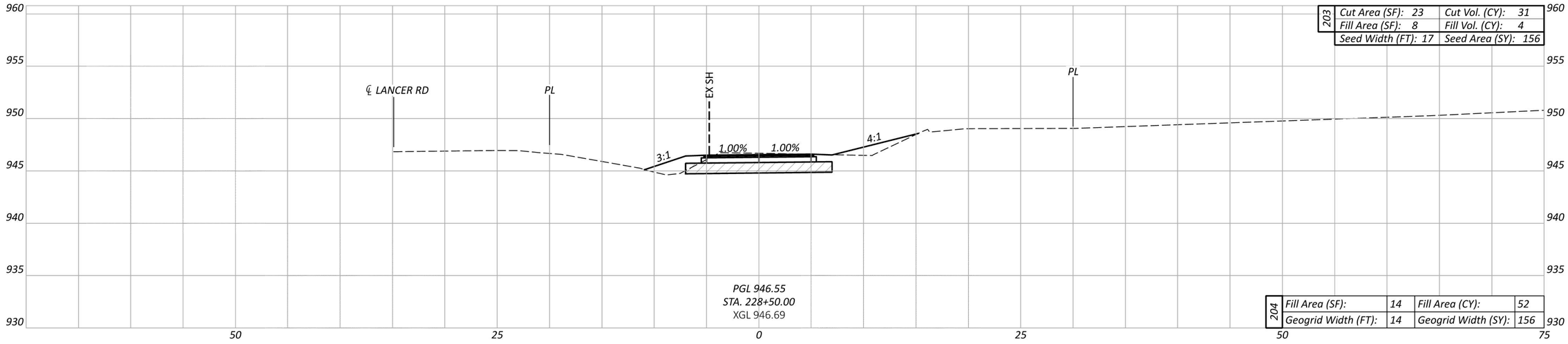
PROJECT ID
117100

SHEET 33 | TOTAL 56

LIC-CR327-0.00

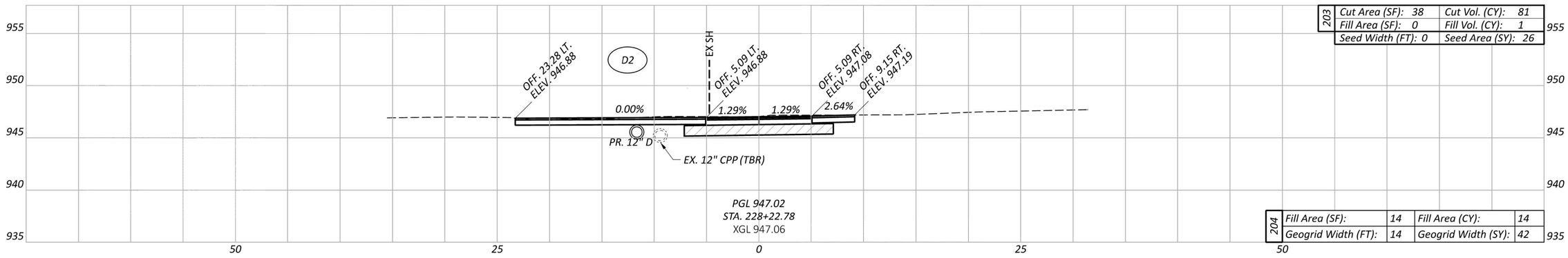
MODEL: CLP_LANCER_SUP - 224+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 8/15/2024 TIME: 9:17:11 AM USER: cdekle
P:\6501_6999\66952300\0_Lancer_Rd_-_CR327_SUP\ODOT\117100\400-Engineering\Roadway\Sheets\117100_XS001.dgn

LEGEND *UNSTABLE SUBGRADE:*
ITEM 204 - EXCAVATION OF SUBGRADE
ITEM 204 - GRANULAR MATERIAL, TYPE C
ITEM 204 - GEOGRID



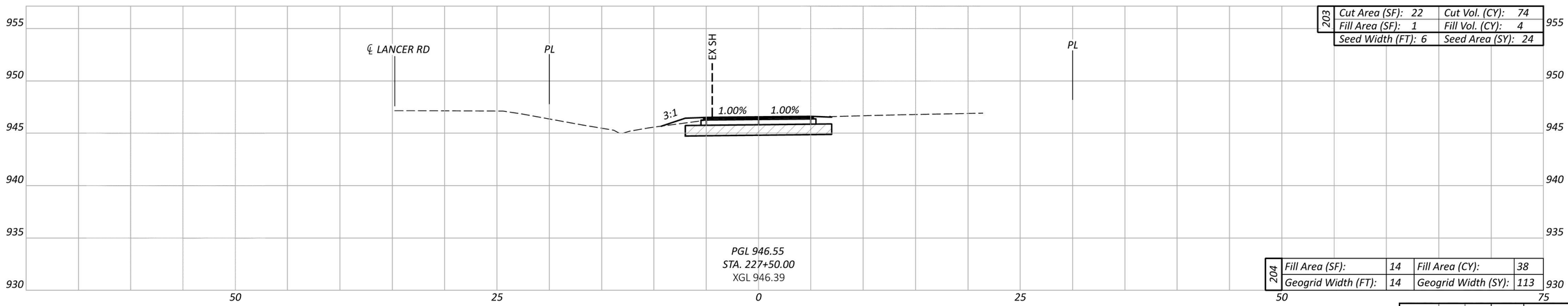
203				
	Cut Area (SF): 23	Cut Vol. (CY): 31
	Fill Area (SF): 8	Fill Vol. (CY): 4
	Seed Width (FT): 17	Seed Area (SY): 156

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156



203				
	Cut Area (SF): 38	Cut Vol. (CY): 81
	Fill Area (SF): 0	Fill Vol. (CY): 1
	Seed Width (FT): 0	Seed Area (SY): 26

204				
	Fill Area (SF):	14	Fill Area (CY):	14
	Geogrid Width (FT):	14	Geogrid Width (SY):	42



203				
	Cut Area (SF): 22	Cut Vol. (CY): 74
	Fill Area (SF): 1	Fill Vol. (CY): 4
	Seed Width (FT): 6	Seed Area (SY): 24

204				
	Fill Area (SF):	14	Fill Area (CY):	38
	Geogrid Width (FT):	14	Geogrid Width (SY):	113

659	203	203	204	204
Seeding	Cut	Fill	*Fill*	*Geogrid*
206	*186*	*9*	*104*	*311*

CROSS SECTIONS
STA. 227+50.00 TO STA. 228+50.00

DESIGN AGENCY
OHM

DESIGNER
CLD

REVIEWER
BLS 08/16/24

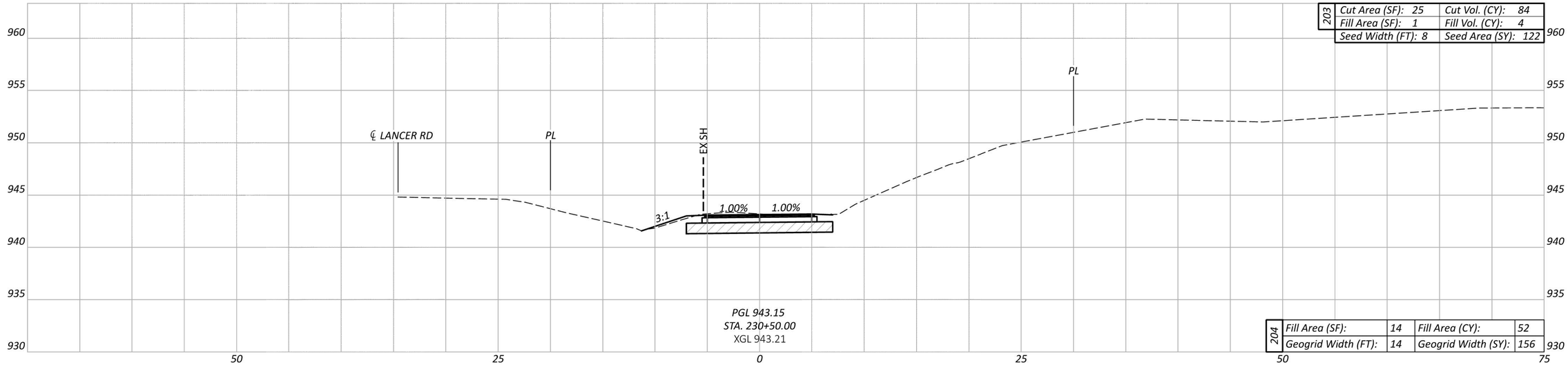
PROJECT ID
117100

SHEET 34 TOTAL 56

LIC-CR327-0.00

MODEL: CLP_LANCER_SUP - 227+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 8/15/2024 TIME: 9:17:31 AM USER: cdekle
P:\6501_6999\6695230010_Lancer_Rd_-_CR327_SUP\ODOT\117100\400-Engineering\Roadway\Sheets\117100_XS001.dgn

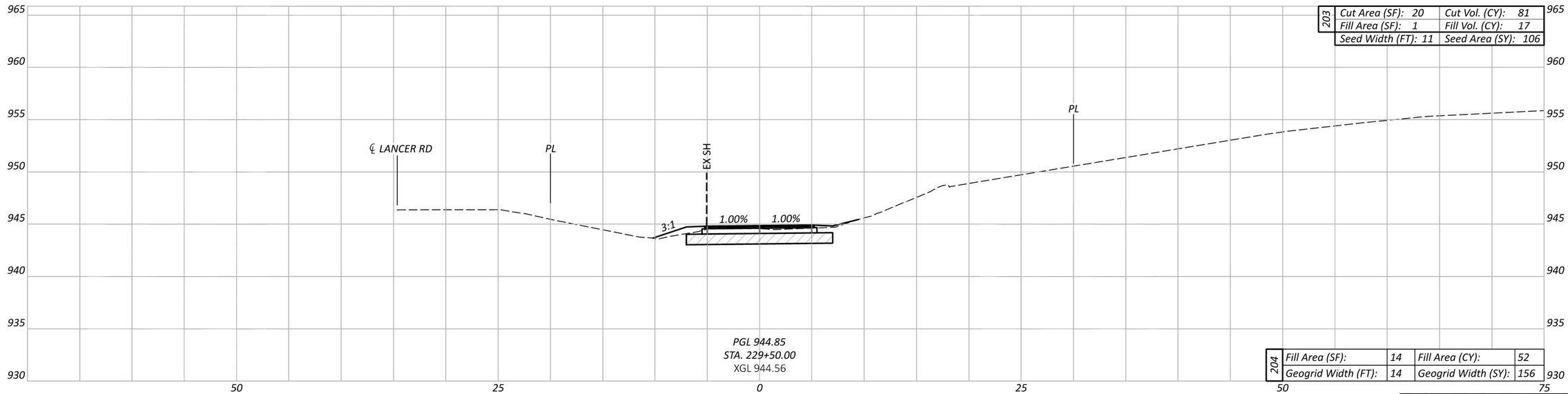
LEGEND *UNSTABLE SUBGRADE:*
ITEM 204 - EXCAVATION OF SUBGRADE
ITEM 204 - GRANULAR MATERIAL, TYPE C
ITEM 204 - GEOGRID



203				
	Cut Area (SF): 25		Cut Vol. (CY): 84	
	Fill Area (SF): 1		Fill Vol. (CY): 4	
	Seed Width (FT): 8		Seed Area (SY): 122	

PGL 943.15
STA. 230+50.00
XGL 943.21

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156



203				
	Cut Area (SF): 20		Cut Vol. (CY): 81	
	Fill Area (SF): 1		Fill Vol. (CY): 17	
	Seed Width (FT): 11		Seed Area (SY): 106	

PGL 944.85
STA. 229+50.00
XGL 944.56

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156

659	203	203	204	204
Seeding	Cut	Fill	*Fill*	*Geogrid*
228	165	21	104	312

CROSS SECTIONS
STA. 229+50.00 TO STA. 230+50.00

DESIGN AGENCY
OHM

DESIGNER
CLD

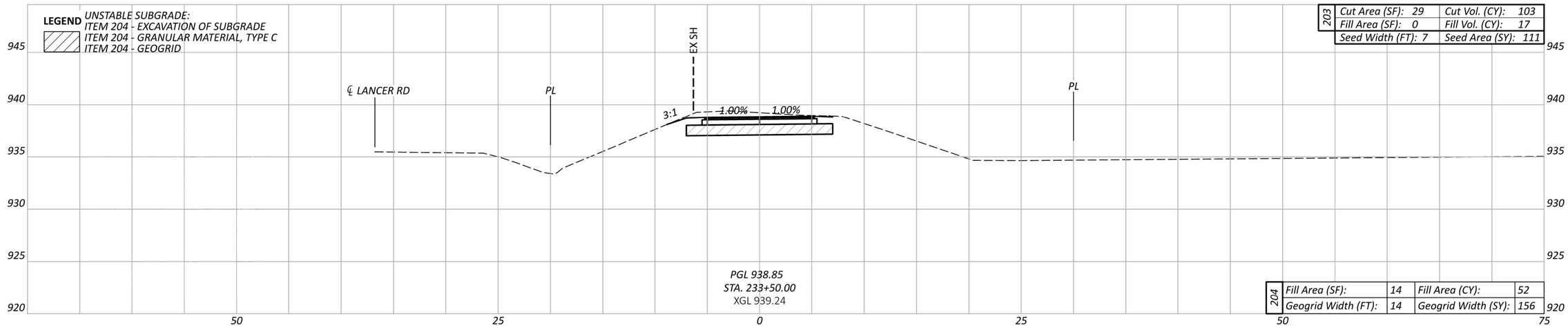
REVIEWER
BLS 08/16/24

PROJECT ID
117100

SHEET 35 | TOTAL 56

LIC-CR327-0.00

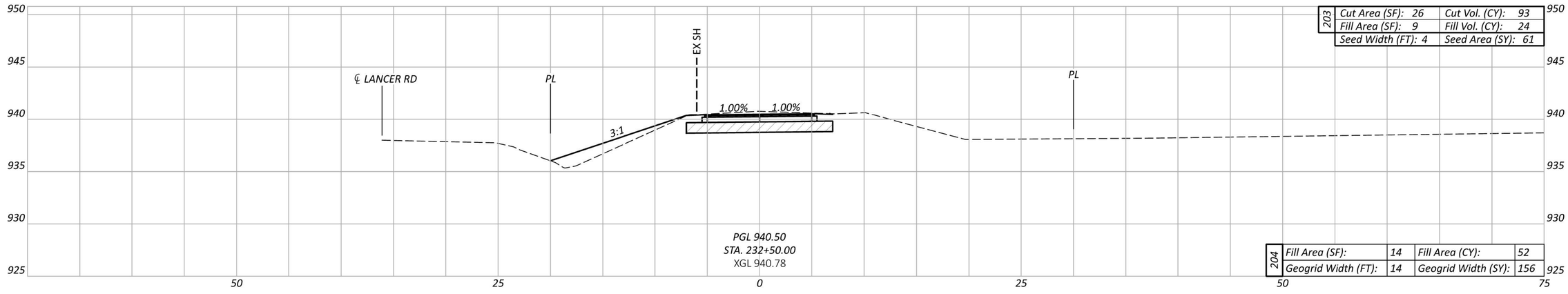
MODEL: CLP_LANCER_SUP - 229+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 8/15/2024 TIME: 9:17:51 AM USER: cdekie
P:\6501_6999\66952300l0_Lancer_Rd_-_CR327_SUP\ODOT\117100\400-Engineering\Roadway\Sheets\117100_XS001.dgn



203				
	Cut Area (SF): 29	Cut Vol. (CY): 103		
	Fill Area (SF): 0	Fill Vol. (CY): 17		
	Seed Width (FT): 7	Seed Area (SY): 111		

PGL 938.85
STA. 233+50.00
XGL 939.24

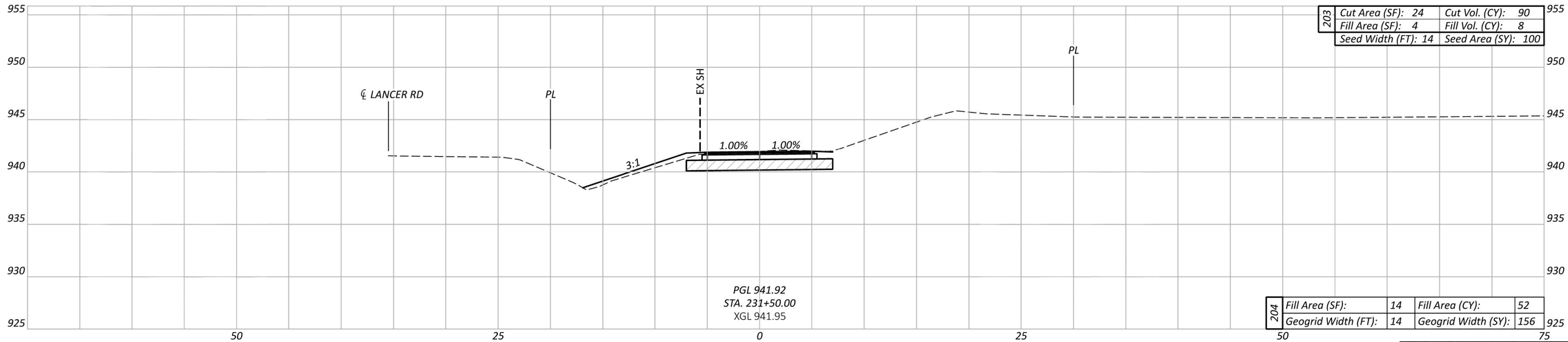
204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156



203				
	Cut Area (SF): 26	Cut Vol. (CY): 93		
	Fill Area (SF): 9	Fill Vol. (CY): 24		
	Seed Width (FT): 4	Seed Area (SY): 61		

PGL 940.50
STA. 232+50.00
XGL 940.78

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156



203				
	Cut Area (SF): 24	Cut Vol. (CY): 90		
	Fill Area (SF): 4	Fill Vol. (CY): 8		
	Seed Width (FT): 14	Seed Area (SY): 100		

PGL 941.92
STA. 231+50.00
XGL 941.95

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156

659	203	203	204	204
Seeding	Cut	Fill	Fill	Geogrid
272	286	49	156	468

CROSS SECTIONS
STA. 231+50.00 TO STA. 233+50.00

DESIGN AGENCY
OHM

DESIGNER
CLD

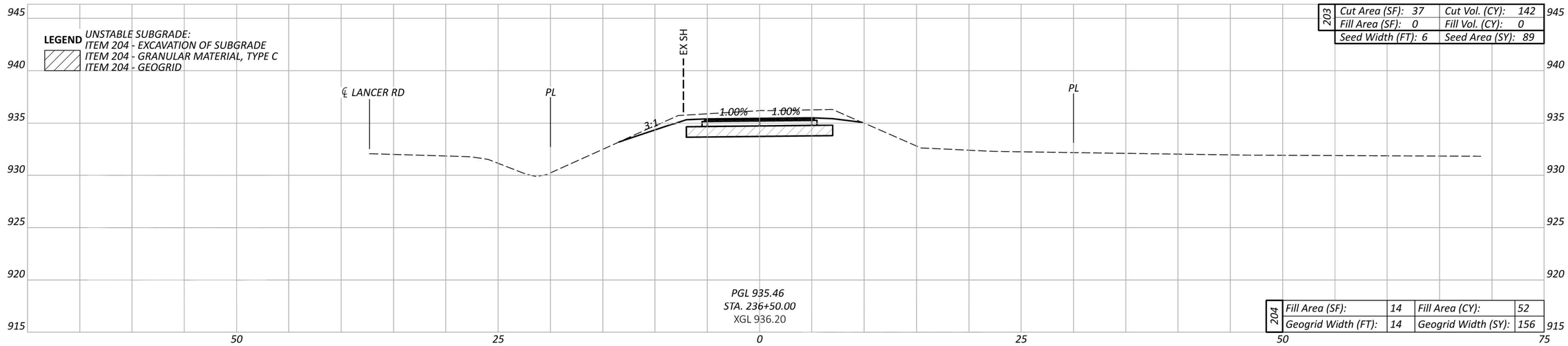
REVIEWER
BLS 08/16/24

PROJECT ID
117100

SHEET 36 TOTAL 56

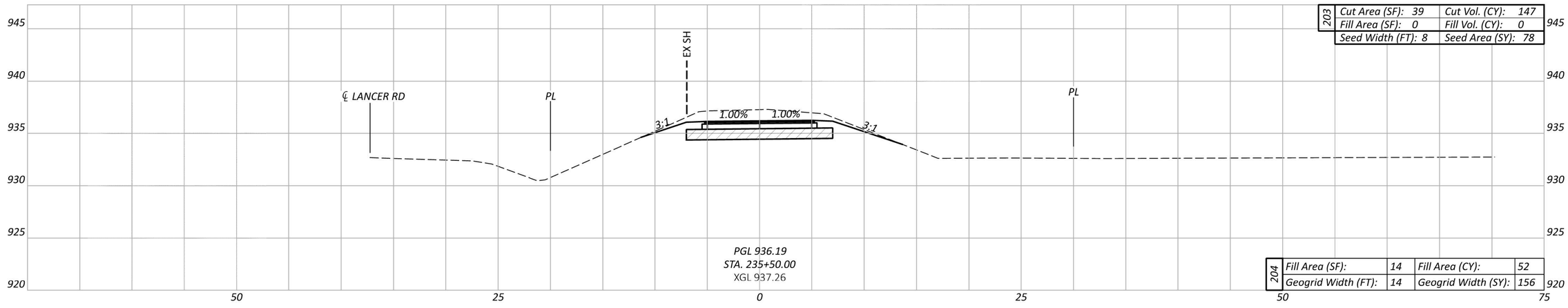
LIC-CR327-0.00

MODEL: CLP_LANCER_SUP - 231+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 8/15/2024 TIME: 9:18:08 AM USER: cdekle
P:\6501_6999\6695230010_Lancer_Rd_-_CR327_SUP\ODOT\117100\400-Engineering\Roadway\Sheets\117100_XS001.dgn



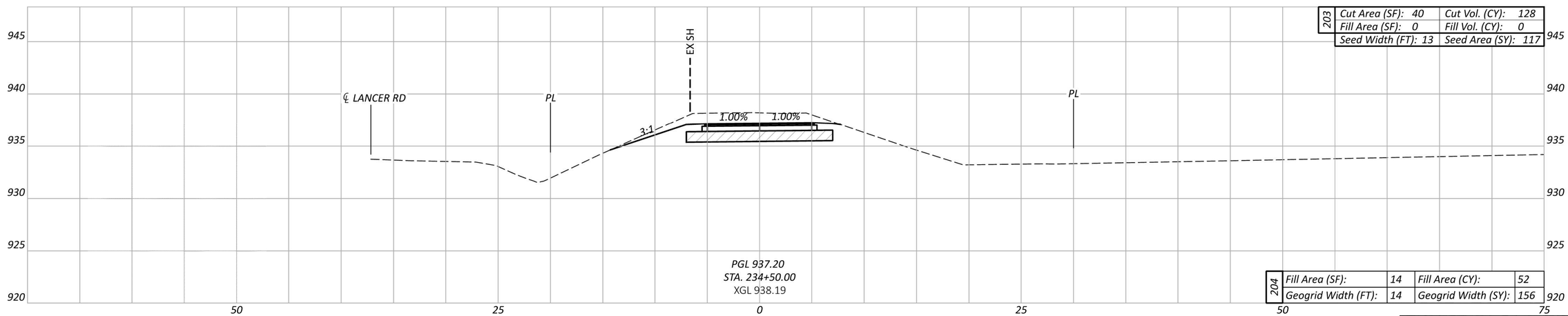
203				
	Cut Area (SF): 37	Cut Vol. (CY): 142
	Fill Area (SF): 0	Fill Vol. (CY): 0
	Seed Width (FT): 6	Seed Area (SY): 89

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156



203				
	Cut Area (SF): 39	Cut Vol. (CY): 147
	Fill Area (SF): 0	Fill Vol. (CY): 0
	Seed Width (FT): 8	Seed Area (SY): 78

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156



203				
	Cut Area (SF): 40	Cut Vol. (CY): 128
	Fill Area (SF): 0	Fill Vol. (CY): 0
	Seed Width (FT): 13	Seed Area (SY): 117

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156

659	203	203	204	204
Seeding	Cut	Fill	Fill	Geogrid
284	417	0	156	468

CROSS SECTIONS
STA. 234+50.00 TO STA. 236+50.00

LIC-CR327-0.00

MODEL: CLP_LANCER_SUP - 234+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 8/15/2024 TIME: 9:18:28 AM USER: cdekle
P:\6501_6999\6695230010_Lancer_Rd_-_CR327_SUP\ODOT\117100\400-Engineering\Roadway\Sheets\117100_XS001.dgn

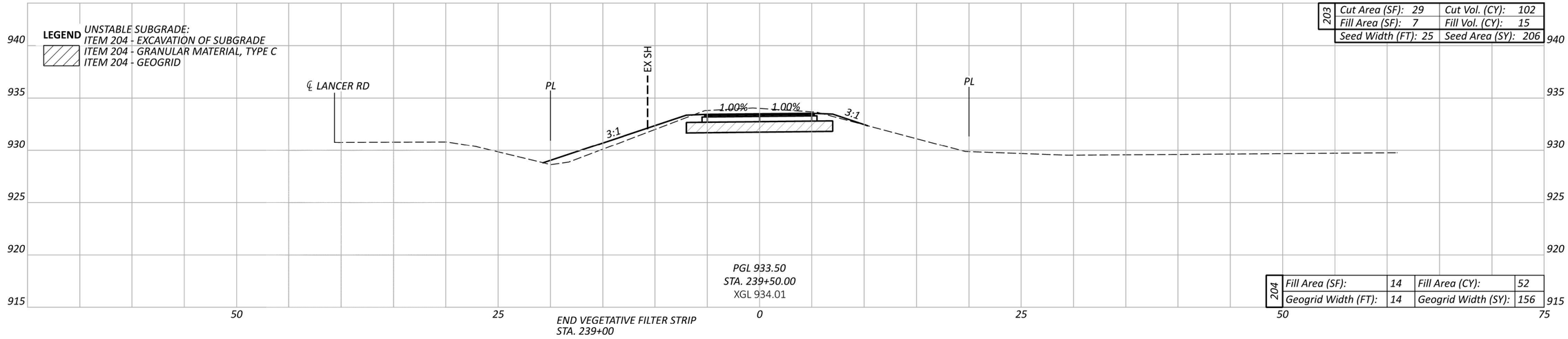
DESIGN AGENCY
OHM

DESIGNER
CLD

REVIEWER
BLS 08/16/24

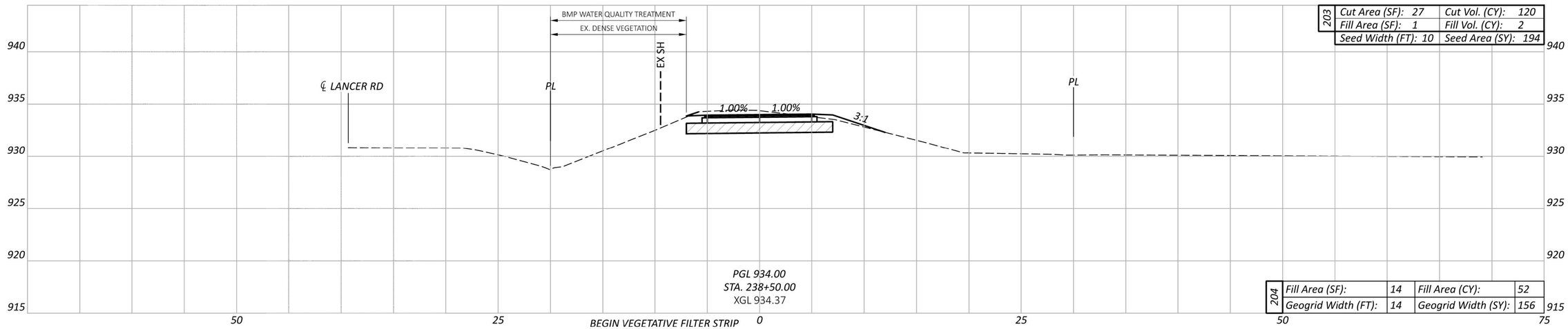
PROJECT ID
117100

SHEET 37 TOTAL 56



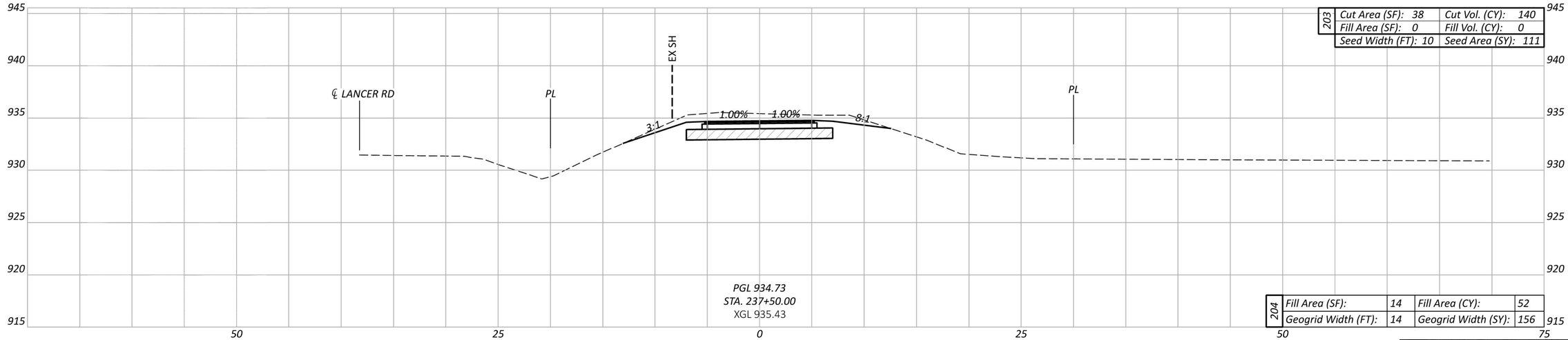
203				
	Cut Area (SF): 29	Cut Vol. (CY): 102		
	Fill Area (SF): 7	Fill Vol. (CY): 15		
	Seed Width (FT): 25	Seed Area (SY): 206		

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156



203				
	Cut Area (SF): 27	Cut Vol. (CY): 120		
	Fill Area (SF): 1	Fill Vol. (CY): 2		
	Seed Width (FT): 10	Seed Area (SY): 194		

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156



203				
	Cut Area (SF): 38	Cut Vol. (CY): 140		
	Fill Area (SF): 0	Fill Vol. (CY): 0		
	Seed Width (FT): 10	Seed Area (SY): 111		

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156

659	203	203	204	204
Seeding	Cut	Fill	Fill	Geogrid
511	362	17	156	468

CROSS SECTIONS
STA. 237+50.00 TO STA. 239+50.00

DESIGN AGENCY
OHM

DESIGNER
CLD

REVIEWER
BLS 08/16/24

PROJECT ID
117100

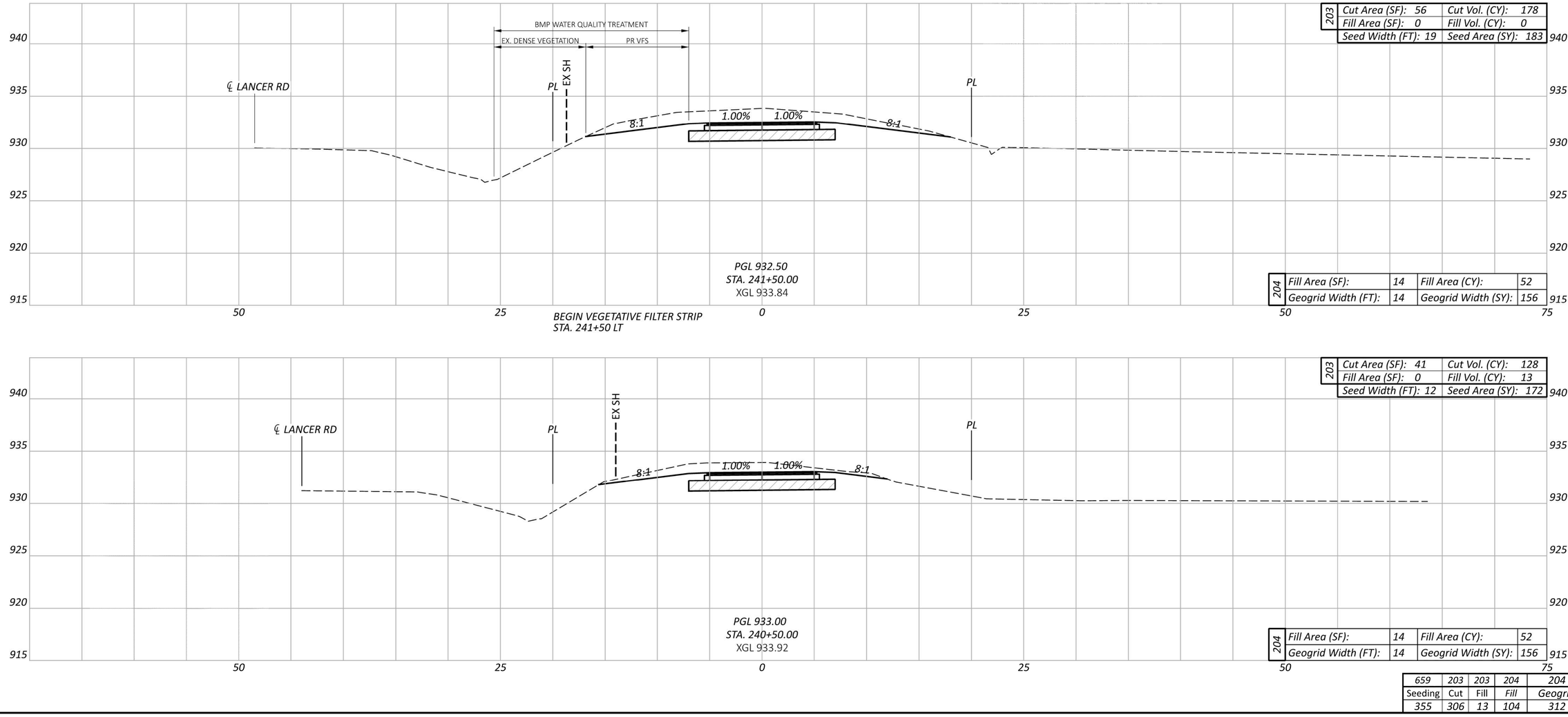
SHEET 38 | TOTAL 56

LIC-CR327-0.00

MODEL: CLP_LANCER_SUP - 237+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 8/15/2024 TIME: 9:18:48 AM USER: cdekle
P:\6501_6999\6695230010_Lancer_Rd_-_CR327_SUP\ODOT\117100\400-Engineering\Roadway\Sheets\117100_XS001.dgn

LEGEND

UNSTABLE SUBGRADE:
ITEM 204 - EXCAVATION OF SUBGRADE
ITEM 204 - GRANULAR MATERIAL, TYPE C
ITEM 204 - GEOGRID



203				
	Cut Area (SF): 56	Cut Vol. (CY): 178
	Fill Area (SF): 0	Fill Vol. (CY): 0
	Seed Width (FT): 19	Seed Area (SY): 183

PGL 932.50
STA. 241+50.00
XGL 933.84

BEGIN VEGETATIVE FILTER STRIP
STA. 241+50 LT

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156

203				
	Cut Area (SF): 41	Cut Vol. (CY): 128
	Fill Area (SF): 0	Fill Vol. (CY): 13
	Seed Width (FT): 12	Seed Area (SY): 172

PGL 933.00
STA. 240+50.00
XGL 933.92

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156

659	203	203	204	204
Seeding	Cut	Fill	Fill	Geogrid
355	306	13	104	312

CROSS SECTIONS
STA. 240+50.00 TO STA. 241+50.00

DESIGN AGENCY
OHM

DESIGNER
CLD

REVIEWER
BLS 08/16/24

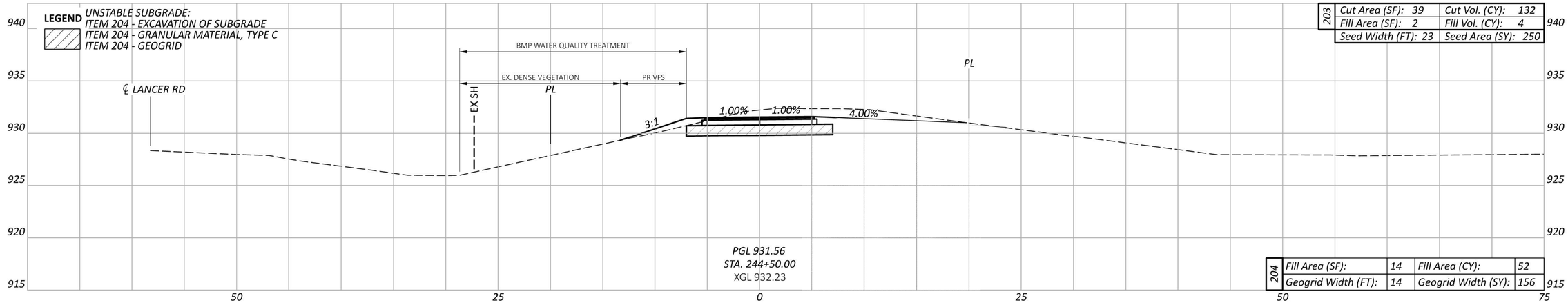
PROJECT ID
117100

SHEET 39 | TOTAL 56

LIC-CR327-0.00

MODEL: CLP_LANCER_SUP - 240+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 8/15/2024 TIME: 9:19:10 AM USER: cdekle
P:\6501_6999\6695230010_Lancer_Rd_-_CR327_SUP\ODOT\117100\400-Engineering\Roadway\Sheets\117100_XS001.dgn

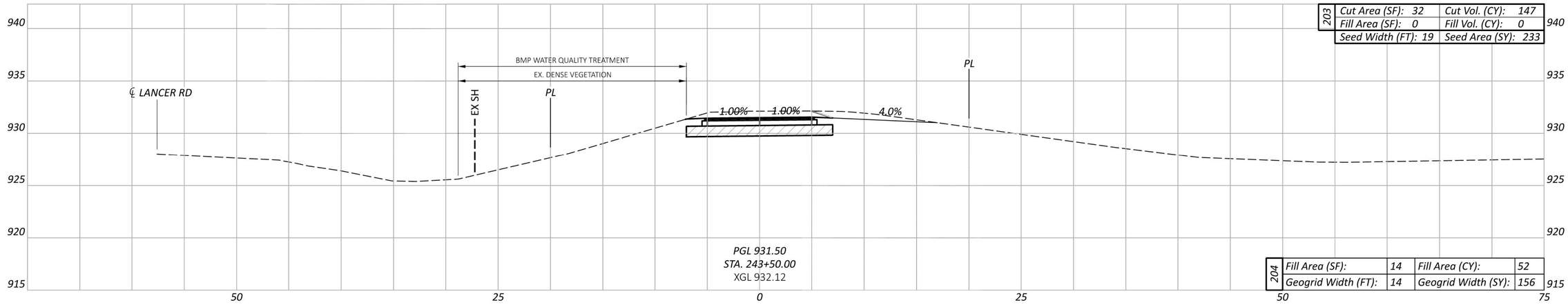
LEGEND
UNSTABLE SUBGRADE:
ITEM 204 - EXCAVATION OF SUBGRADE
ITEM 204 - GRANULAR MATERIAL, TYPE C
ITEM 204 - GEOGRID



203				
	Cut Area (SF): 39	Cut Vol. (CY): 132
	Fill Area (SF): 2	Fill Vol. (CY): 4
	Seed Width (FT): 23	Seed Area (SY): 250

PGL 931.56
STA. 244+50.00
XGL 932.23

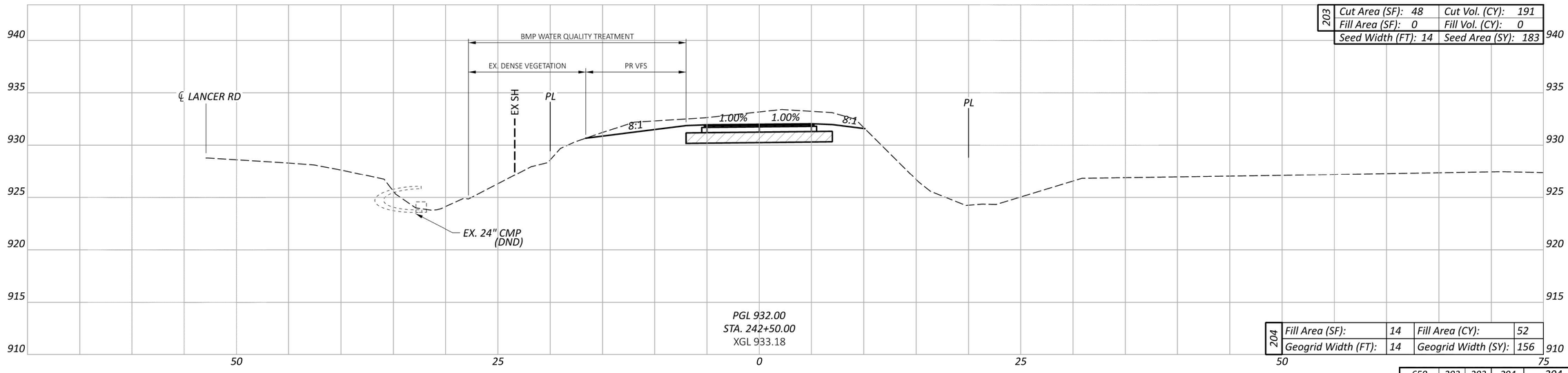
204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156



203				
	Cut Area (SF): 32	Cut Vol. (CY): 147
	Fill Area (SF): 0	Fill Vol. (CY): 0
	Seed Width (FT): 19	Seed Area (SY): 233

PGL 931.50
STA. 243+50.00
XGL 932.12

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156



203				
	Cut Area (SF): 48	Cut Vol. (CY): 191
	Fill Area (SF): 0	Fill Vol. (CY): 0
	Seed Width (FT): 14	Seed Area (SY): 183

PGL 932.00
STA. 242+50.00
XGL 933.18

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156

659	203	203	204	204
Seeding	Cut	Fill	Fill	Geogrid
666	470	4	156	468

CROSS SECTIONS
STA. 242+50.00 TO STA. 244+50.00

DESIGN AGENCY
OHM

DESIGNER
CLD

REVIEWER
BLS 08/16/24

PROJECT ID
117100

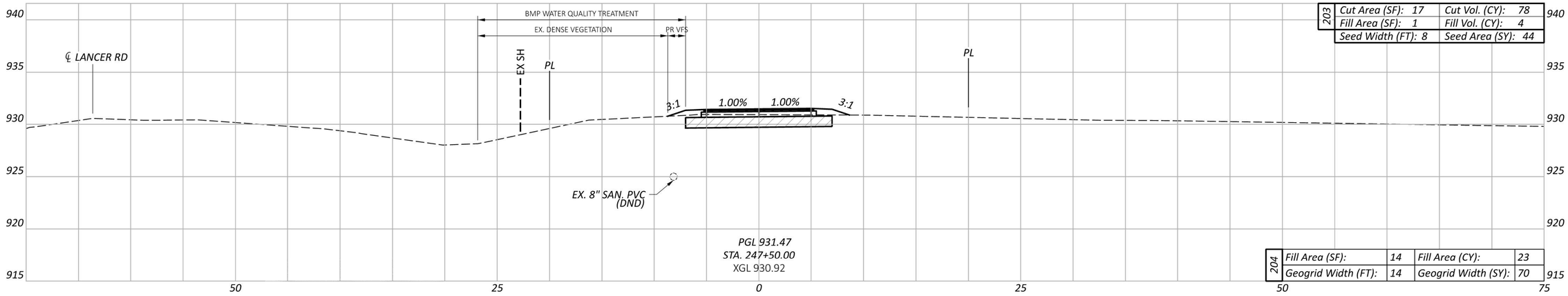
SHEET 40 TOTAL 56

LIC-CR327-0.00

MODEL: CLP_LANCER_SUP - 242+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 8/16/2024 TIME: 10:01:04 AM USER: cdeKle
P:\6501_6999\6695230010_Lancer_Rd_-_CR327_SUP\ODOT\117100\400-Engineering\Roadway\Sheets\117100_XS001.dgn

LEGEND
UNSTABLE SUBGRADE:
ITEM 204 - EXCAVATION OF SUBGRADE
ITEM 204 - GRANULAR MATERIAL, TYPE C
ITEM 204 - GEOGRID

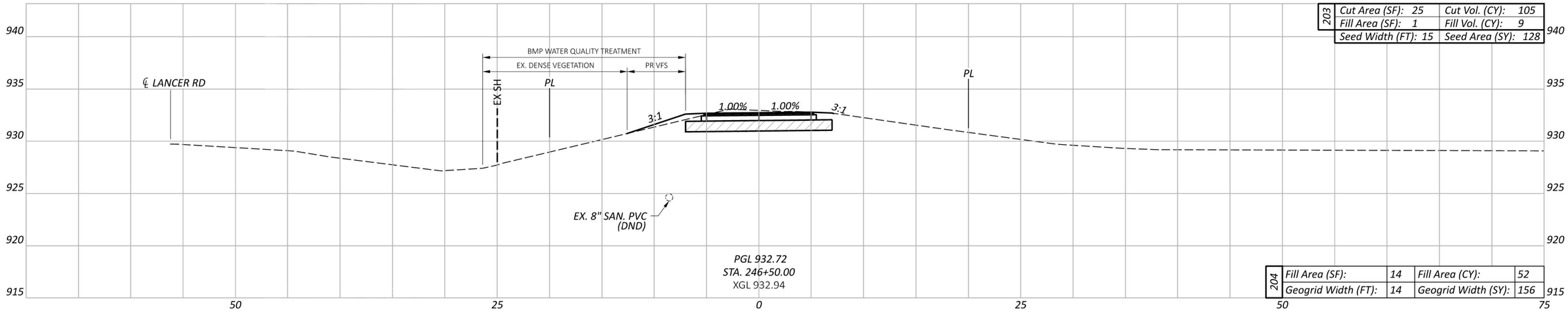
SUSPEND UNSTABLE REMEDIATION
STA. 248+40



203				
	Cut Area (SF):	17	Cut Vol. (CY):	78
	Fill Area (SF):	1	Fill Vol. (CY):	4
	Seed Width (FT):	8	Seed Area (SY):	44

PGL 931.47
STA. 247+50.00
XGL 930.92

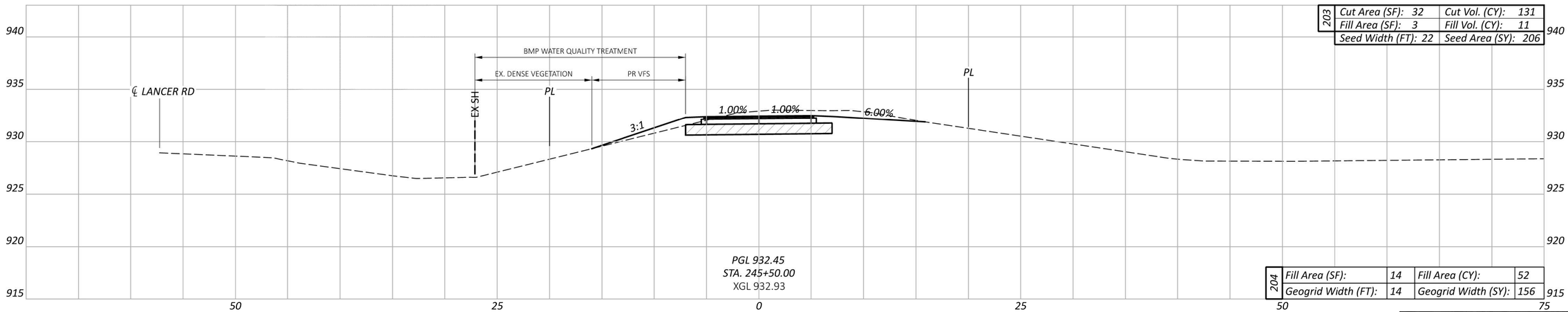
204				
	Fill Area (SF):	14	Fill Area (CY):	23
	Geogrid Width (FT):	14	Geogrid Width (SY):	70



203				
	Cut Area (SF):	25	Cut Vol. (CY):	105
	Fill Area (SF):	1	Fill Vol. (CY):	9
	Seed Width (FT):	15	Seed Area (SY):	128

PGL 932.72
STA. 246+50.00
XGL 932.94

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156



203				
	Cut Area (SF):	32	Cut Vol. (CY):	131
	Fill Area (SF):	3	Fill Vol. (CY):	11
	Seed Width (FT):	22	Seed Area (SY):	206

PGL 932.45
STA. 245+50.00
XGL 932.93

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156

659	203	203	204	204
Seeding	Cut	Fill	Fill	Geogrid
378	314	24	127	382

CROSS SECTIONS
STA. 245+50.00 TO STA. 247+50.00

LIC-CR327-0.00

MODEL: CLP_LANCER_SUP - 245+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 8/15/2024 TIME: 9:19:50 AM USER: cdekle
P:\6501_6999\6695230010_Lancer_Rd_-_CR327_SUP\ODOT\117100\400-Engineering\Roadway\Sheets\117100_XS001.dgn

DESIGN AGENCY
OHM

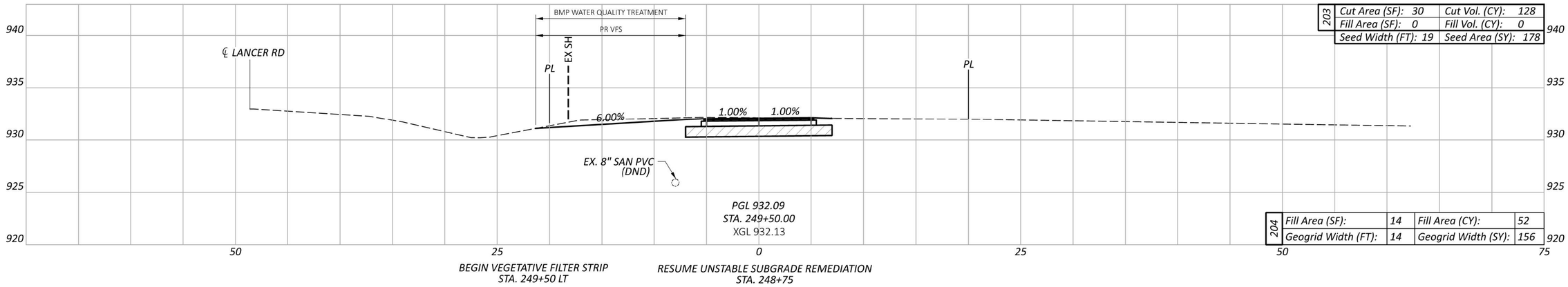
DESIGNER
CLD

REVIEWER
BLS 08/16/24

PROJECT ID
117100

SHEET 41 TOTAL 56

LEGEND *UNSTABLE SUBGRADE:*
ITEM 204 - EXCAVATION OF SUBGRADE
ITEM 204 - GRANULAR MATERIAL, TYPE C
ITEM 204 - GEOGRID



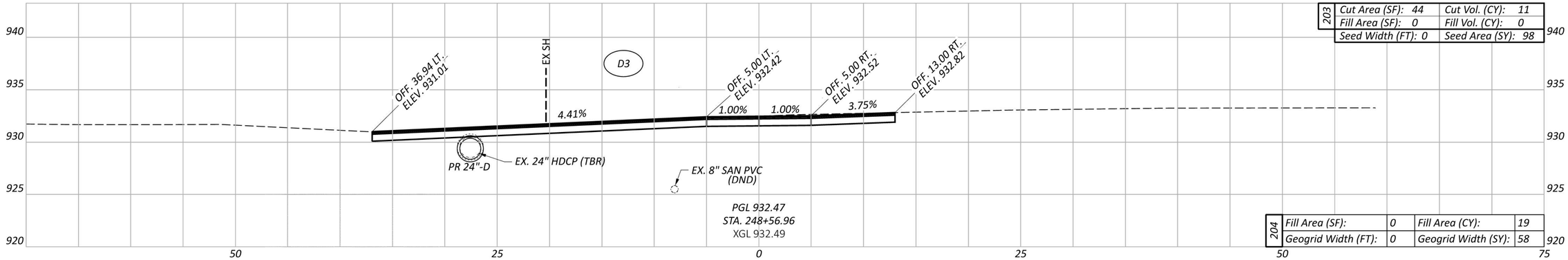
203				
	Cut Area (SF):	30	Cut Vol. (CY):	128
	Fill Area (SF):	0	Fill Vol. (CY):	0
	Seed Width (FT):	19	Seed Area (SY):	178

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156

PGL 932.09
STA. 249+50.00
XGL 932.13

BEGIN VEGETATIVE FILTER STRIP
STA. 249+50 LT

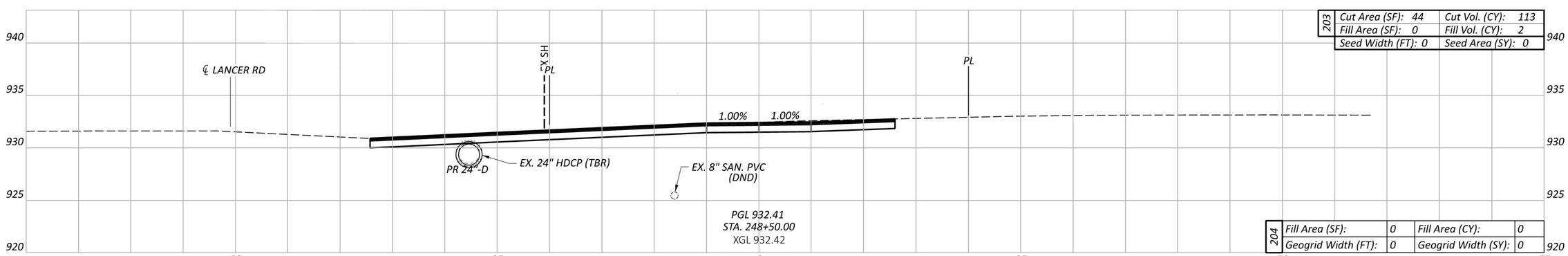
RESUME UNSTABLE SUBGRADE REMEDIATION
STA. 248+75



203				
	Cut Area (SF):	44	Cut Vol. (CY):	11
	Fill Area (SF):	0	Fill Vol. (CY):	0
	Seed Width (FT):	0	Seed Area (SY):	98

204				
	Fill Area (SF):	0	Fill Area (CY):	19
	Geogrid Width (FT):	0	Geogrid Width (SY):	58

PGL 932.47
STA. 248+56.96
XGL 932.49



203				
	Cut Area (SF):	44	Cut Vol. (CY):	113
	Fill Area (SF):	0	Fill Vol. (CY):	2
	Seed Width (FT):	0	Seed Area (SY):	0

204				
	Fill Area (SF):	0	Fill Area (CY):	0
	Geogrid Width (FT):	0	Geogrid Width (SY):	0

PGL 932.41
STA. 248+50.00
XGL 932.42

END VEGETATIVE FILTER STRIP
STA. 248+00 LT

659	203	203	204	204
Seeding	Cut	Fill	*Fill*	*Geogrid*
276	252	2	71	214

CROSS SECTIONS
STA. 248+50.00 TO STA. 249+50.00

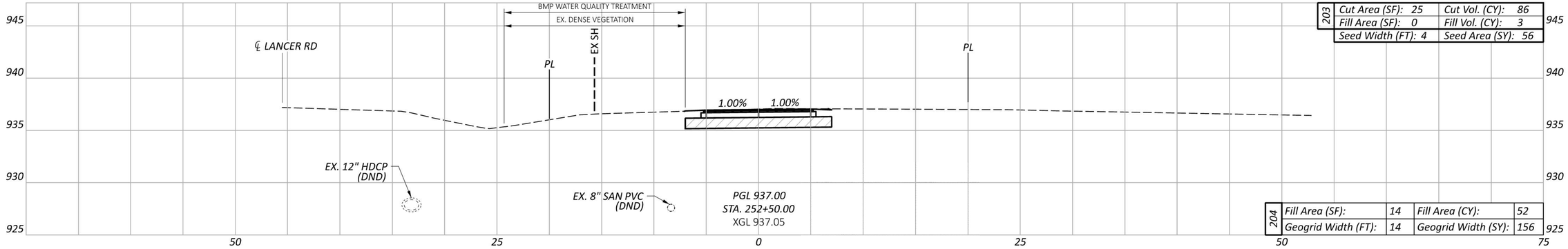
DESIGN AGENCY
OHM

DESIGNER CLD
REVIEWER BLS 08/16/24
PROJECT ID 117100
SHEET 42 TOTAL 56

LIC-CR327-0.00

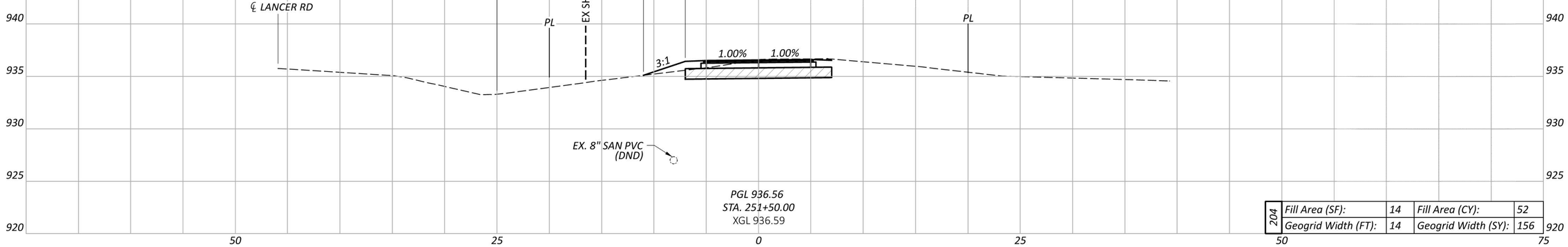
MODEL: CLP_LANCER_SUP - 248+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 8/15/2024 TIME: 9:20:10 AM USER: cdekle
P:\6501_6999\6695230010_Lancer_Rd_-_CR327_SUP\ODOT\117100\400-Engineering\Roadway\Sheets\117100_XS001.dgn

LEGEND *UNSTABLE SUBGRADE:*
ITEM 204 - EXCAVATION OF SUBGRADE
ITEM 204 - GRANULAR MATERIAL, TYPE C
ITEM 204 - GEOGRID



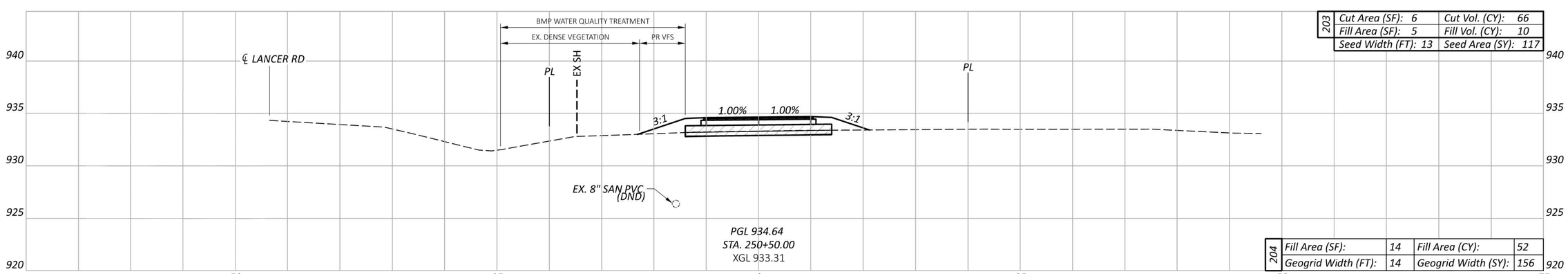
203				
	Cut Area (SF): 25		Cut Vol. (CY): 86	
	Fill Area (SF): 0		Fill Vol. (CY): 3	
	Seed Width (FT): 4		Seed Area (SY): 56	

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156



203				
	Cut Area (SF): 22		Cut Vol. (CY): 51	
	Fill Area (SF): 2		Fill Vol. (CY): 13	
	Seed Width (FT): 8		Seed Area (SY): 67	

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156



203				
	Cut Area (SF): 6		Cut Vol. (CY): 66	
	Fill Area (SF): 5		Fill Vol. (CY): 10	
	Seed Width (FT): 13		Seed Area (SY): 117	

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156

659	203	203	204	204
Seeding	Cut	Fill	*Fill*	*Geogrid*
240	*203*	*26*	*156*	*468*

CROSS SECTIONS
STA. 250+50.00 TO STA. 252+50.00

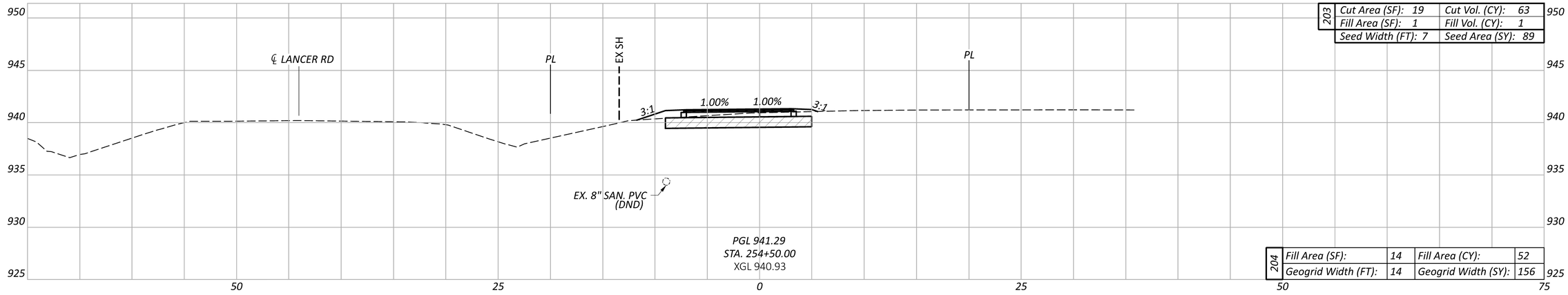
DESIGN AGENCY
OHM

DESIGNER CLD
REVIEWER BLS 08/16/24
PROJECT ID 117100
SHEET 43 TOTAL 56

LIC-CR327-0.00

MODEL: CLP_LANCER_SUP - 250+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 8/15/2024 TIME: 9:20:32 AM USER: cdekle
P:\6501_6999\6695230010_Lancer_Rd_-_CR327_SUP\ODOT\117100\400-Engineering\Roadway\Sheets\117100_XS001.dgn

LEGEND *UNSTABLE SUBGRADE:*
ITEM 204 - EXCAVATION OF SUBGRADE
ITEM 204 - GRANULAR MATERIAL, TYPE C
ITEM 204 - GEOGRID

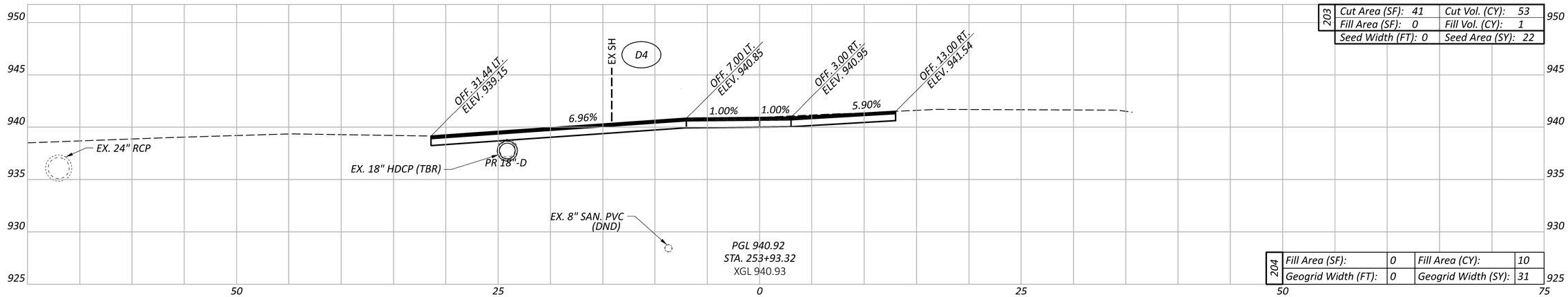


203				
	Cut Area (SF): 19		Cut Vol. (CY): 63	
	Fill Area (SF): 1		Fill Vol. (CY): 1	
	Seed Width (FT): 7		Seed Area (SY): 89	

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156

PGL 941.29
STA. 254+50.00
XGL 940.93

RESUME UNSTABLE SUBGRADE REMEDIATION
STA. 254+10

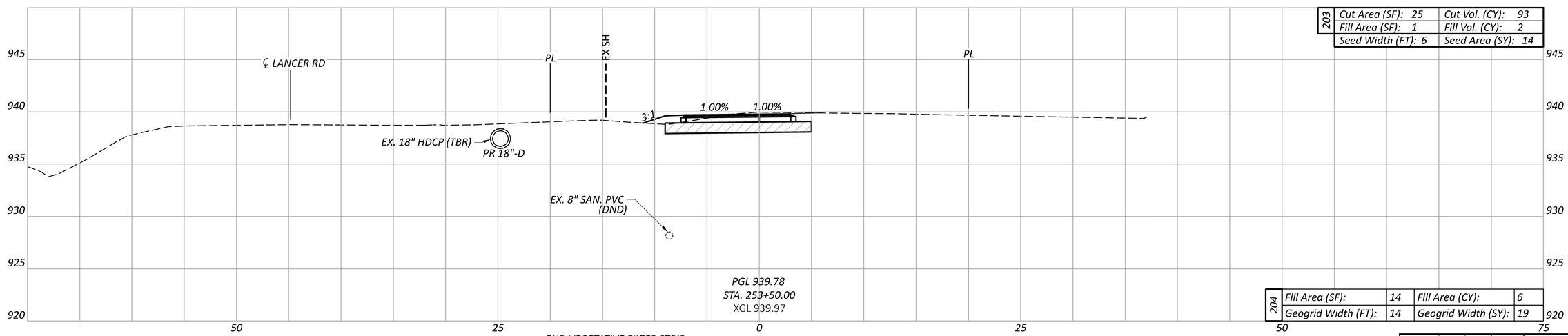


203				
	Cut Area (SF): 41		Cut Vol. (CY): 53	
	Fill Area (SF): 0		Fill Vol. (CY): 1	
	Seed Width (FT): 0		Seed Area (SY): 22	

204				
	Fill Area (SF):	0	Fill Area (CY):	10
	Geogrid Width (FT):	0	Geogrid Width (SY):	31

PGL 940.92
STA. 253+93.32
XGL 940.93

SUSPEND UNSTABLE SUBGRADE REMEDIATION
STA. 253+75



203				
	Cut Area (SF): 25		Cut Vol. (CY): 93	
	Fill Area (SF): 1		Fill Vol. (CY): 2	
	Seed Width (FT): 6		Seed Area (SY): 14	

204				
	Fill Area (SF):	14	Fill Area (CY):	6
	Geogrid Width (FT):	14	Geogrid Width (SY):	19

PGL 939.78
STA. 253+50.00
XGL 939.97

END VEGETATIVE FILTER STRIP
STA. 253+25 LT

659	203	203	204	204
Seeding	Cut	Fill	Fill	Geogrid
125	209	4	68	206

CROSS SECTIONS
STA. 253+50.00 TO STA. 254+50.00

DESIGN AGENCY
OHM

DESIGNER
CLD

REVIEWER
BLS 08/16/24

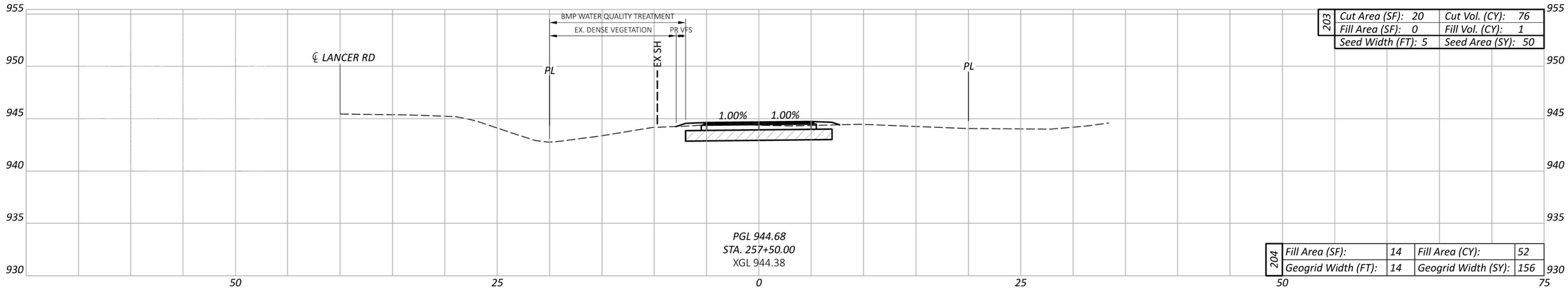
PROJECT ID
117100

SHEET 44 TOTAL 56

LIC-CR327-0.00

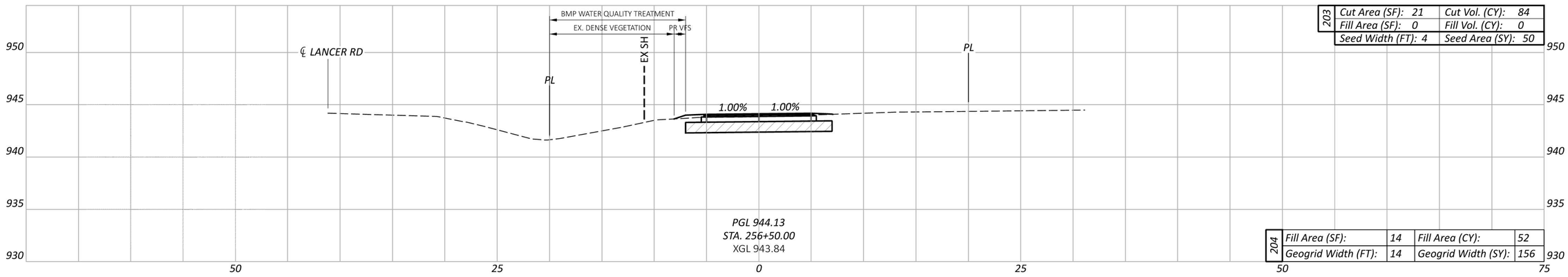
MODEL: CLP_LANCER_SUP - 253+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2024 TIME: 2:59:45 PM USER: cdekle
P:\6501_6999\6695230010_Lancer_Rd_-_CR327_SUP\ODOT\117100\400-Engineering\Roadway\Sheets\117100_XS001.dgn

LEGEND
UNSTABLE SUBGRADE:
ITEM 204 - EXCAVATION OF SUBGRADE
ITEM 204 - GRANULAR MATERIAL, TYPE C
ITEM 204 - GEOGRID



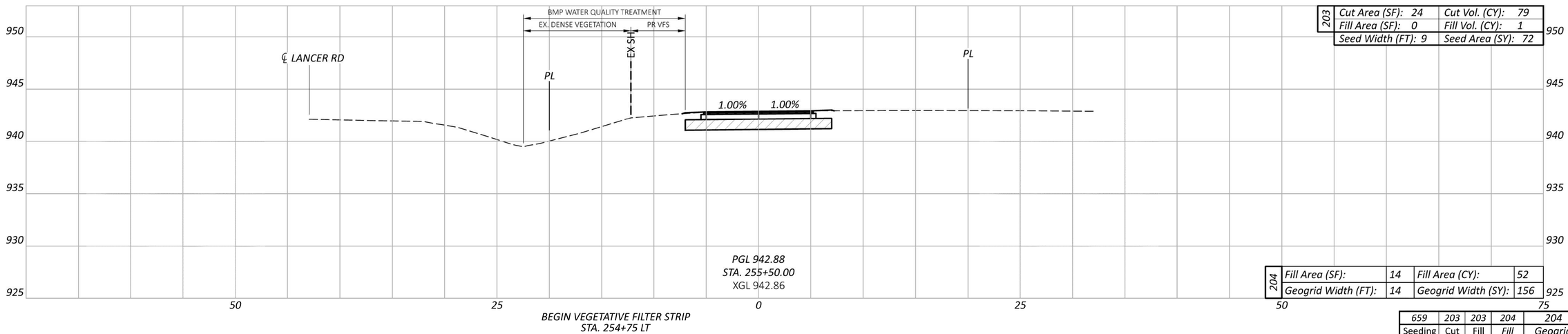
203				
	Cut Area (SF): 20	Cut Vol. (CY): 76
	Fill Area (SF): 0	Fill Vol. (CY): 1
	Seed Width (FT): 5	Seed Area (SY): 50

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156



203				
	Cut Area (SF): 21	Cut Vol. (CY): 84
	Fill Area (SF): 0	Fill Vol. (CY): 0
	Seed Width (FT): 4	Seed Area (SY): 50

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156



203				
	Cut Area (SF): 24	Cut Vol. (CY): 79
	Fill Area (SF): 0	Fill Vol. (CY): 1
	Seed Width (FT): 9	Seed Area (SY): 72

204				
	Fill Area (SF):	14	Fill Area (CY):	52
	Geogrid Width (FT):	14	Geogrid Width (SY):	156

659	203	203	204	204
Seeding	Cut	Fill	Fill	Geogrid
172	239	2	156	468

CROSS SECTIONS
STA. 255+50.00 TO STA. 257+50.00

LIC-CR327-0.00

MODEL: CLP_LANCER_SUP - 255+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 8/15/2024 TIME: 9:21:15 AM USER: cdekle
P:\6501_6999\6695230010_Lancer_Rd_-_CR327_SUP\ODOT\117100\400-Engineering\Roadway\Sheets\117100_XS001.dgn

DESIGN AGENCY
OHM

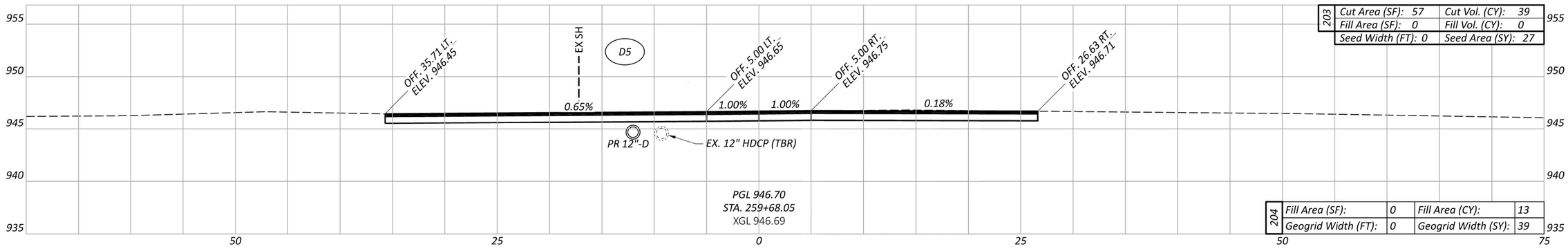
DESIGNER
CLD

REVIEWER
BLS 08/16/24

PROJECT ID
117100

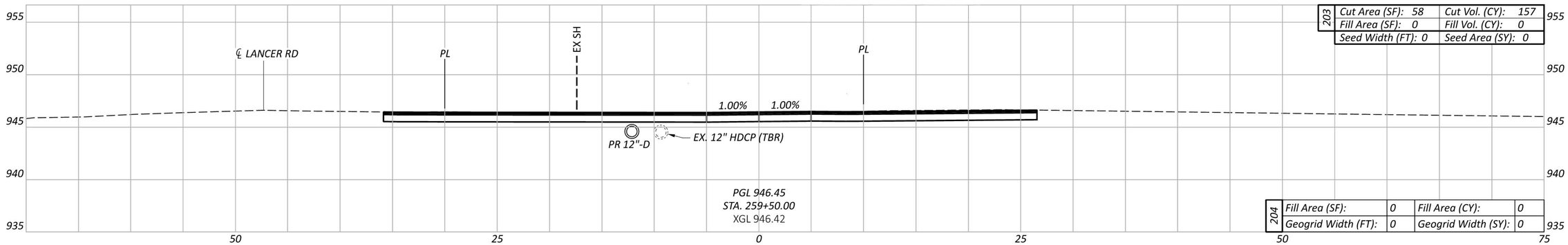
SHEET 45 TOTAL 56

LEGEND *UNSTABLE SUBGRADE:*
ITEM 204 - EXCAVATION OF SUBGRADE
ITEM 204 - GRANULAR MATERIAL, TYPE C
ITEM 204 - GEOGRID



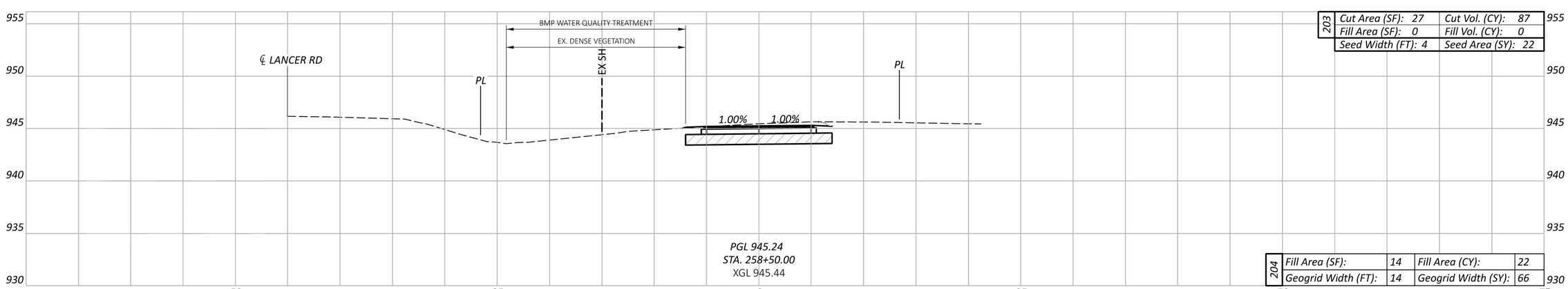
203				
	Cut Area (SF): 57	Cut Vol. (CY): 39
	Fill Area (SF): 0	Fill Vol. (CY): 0
	Seed Width (FT): 0	Seed Area (SY): 27

204				
	Fill Area (SF):	0	Fill Area (CY):	13
	Geogrid Width (FT):	0	Geogrid Width (SY):	39



203				
	Cut Area (SF): 58	Cut Vol. (CY): 157
	Fill Area (SF): 0	Fill Vol. (CY): 0
	Seed Width (FT): 0	Seed Area (SY): 0

204				
	Fill Area (SF):	0	Fill Area (CY):	0
	Geogrid Width (FT):	0	Geogrid Width (SY):	0



203				
	Cut Area (SF): 27	Cut Vol. (CY): 87
	Fill Area (SF): 0	Fill Vol. (CY): 0
	Seed Width (FT): 4	Seed Area (SY): 22

204				
	Fill Area (SF):	14	Fill Area (CY):	22
	Geogrid Width (FT):	14	Geogrid Width (SY):	66

659	203	203	204	204
Seeding	Cut	Fill	Fill	Geogrid
49	283	0	35	105

CROSS SECTIONS
STA. 258+50.00 TO STA. 259+50.00

DESIGN AGENCY
OHM

DESIGNER
CLD

REVIEWER
BLS 08/16/24

PROJECT ID
117100

SHEET 46 | TOTAL 56

LIC-CR327-0.00

MODEL: CLP_LANCER_SUP - 258+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 8/16/2024 TIME: 9:59:18 AM USER: cdekle
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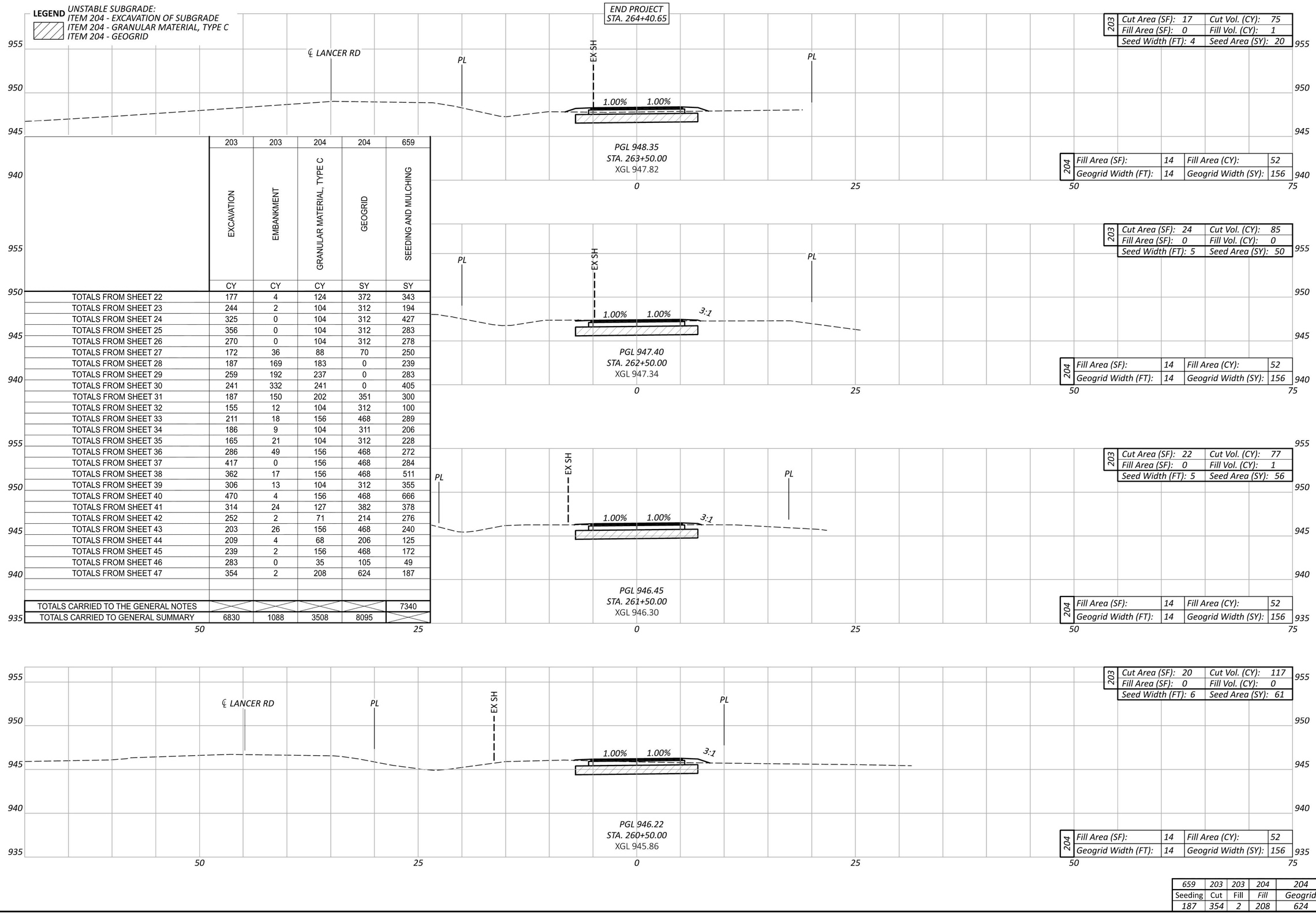
LEGEND
UNSTABLE SUBGRADE:
ITEM 204 - EXCAVATION OF SUBGRADE
ITEM 204 - GRANULAR MATERIAL, TYPE C
ITEM 204 - GEOGRID

	203 EXCAVATION	203 EMBANKMENT	204 GRANULAR MATERIAL, TYPE C	204 GEOGRID	659 SEEDING AND MULCHING
	CY	CY	CY	SY	SY
TOTALS FROM SHEET 22	177	4	124	372	343
TOTALS FROM SHEET 23	244	2	104	312	194
TOTALS FROM SHEET 24	325	0	104	312	427
TOTALS FROM SHEET 25	356	0	104	312	283
TOTALS FROM SHEET 26	270	0	104	312	278
TOTALS FROM SHEET 27	172	36	88	70	250
TOTALS FROM SHEET 28	187	169	183	0	239
TOTALS FROM SHEET 29	259	192	237	0	283
TOTALS FROM SHEET 30	241	332	241	0	405
TOTALS FROM SHEET 31	187	150	202	351	300
TOTALS FROM SHEET 32	155	12	104	312	100
TOTALS FROM SHEET 33	211	18	156	468	289
TOTALS FROM SHEET 34	186	9	104	311	206
TOTALS FROM SHEET 35	165	21	104	312	228
TOTALS FROM SHEET 36	286	49	156	468	272
TOTALS FROM SHEET 37	417	0	156	468	284
TOTALS FROM SHEET 38	362	17	156	468	511
TOTALS FROM SHEET 39	306	13	104	312	355
TOTALS FROM SHEET 40	470	4	156	468	666
TOTALS FROM SHEET 41	314	24	127	382	378
TOTALS FROM SHEET 42	252	2	71	214	276
TOTALS FROM SHEET 43	203	26	156	468	240
TOTALS FROM SHEET 44	209	4	68	206	125
TOTALS FROM SHEET 45	239	2	156	468	172
TOTALS FROM SHEET 46	283	0	35	105	49
TOTALS FROM SHEET 47	354	2	208	624	187
TOTALS CARRIED TO THE GENERAL NOTES					7340
TOTALS CARRIED TO GENERAL SUMMARY	6830	1088	3508	8095	



659	203	203	204	204
Seeding	Cut	Fill	Fill	Geogrid
187	354	2	208	624

CROSS SECTIONS
STA. 260+50.00 TO STA. 264+40.65

LIC-CR327-0.00

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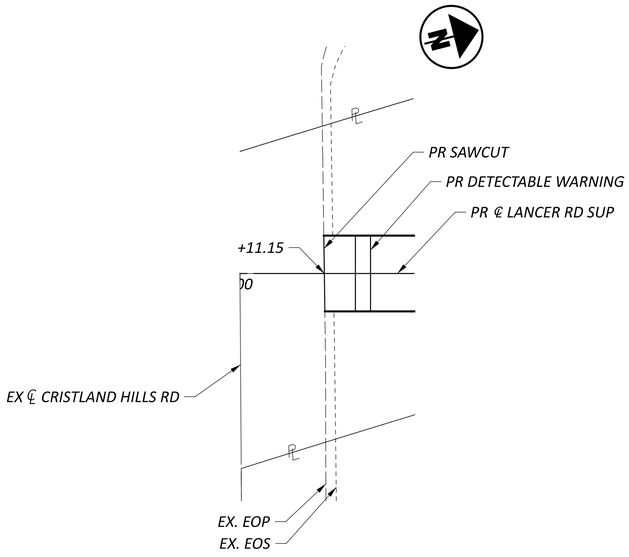
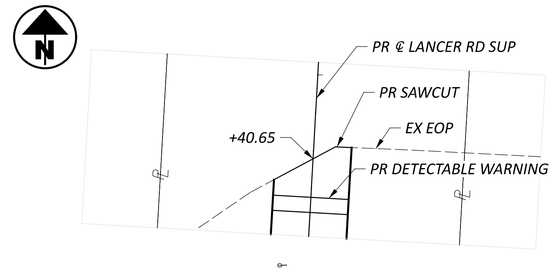
DESIGN AGENCY
OHM

DESIGNER CLD
REVIEWER BLS 08/16/24
PROJECT ID 117100
SHEET 47 TOTAL 56



SHARED-USE PATH TERMINUS CONNECTION @ CRISTLAND HILL ROAD



SHARED-USE PATH TERMINUS CONNECTION @ US40

PAVEMENT CONNECTION NOTES

1.) PAVEMENTS SHALL BE CUT IN NEAT, STRAIGHT LINES TO THE FULL DEPTH OF PAVEMENT, OR AS REQUIRED BY THE ENGINEER.

2.) BUTT JOINTS BETWEEN EXISTING AND NEW PAVEMENTS SHALL BE MADE IN ACCORDANCE WITH ODOT STD. CONSTRUCTION DWG BP-3.1.

3.) THE CONTRACTOR SHALL NOT USE ANY RECLAIMED MATERIALS IN ITEM 304 - AGGREGATE BASE

HORIZONTAL SCALE IN FEET
0 5 10 20

TERMINUS CONNECTION DETAILS

DESIGN AGENCY
OHM

DESIGNER CLD
REVIEWER BLS 08/16/24
PROJECT ID 117100
SHEET 48 TOTAL 56

LIC-CR327-0.00

MODEL: CLP_LANCER_SUP-4 - Plan 6 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 8/15/2024 TIME: 9:28:53 AM USER: cdekle
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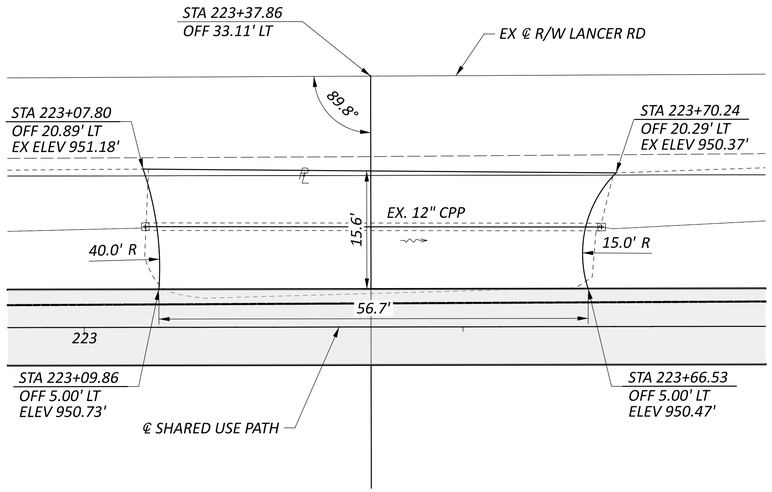
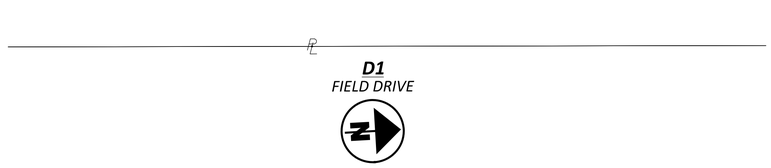




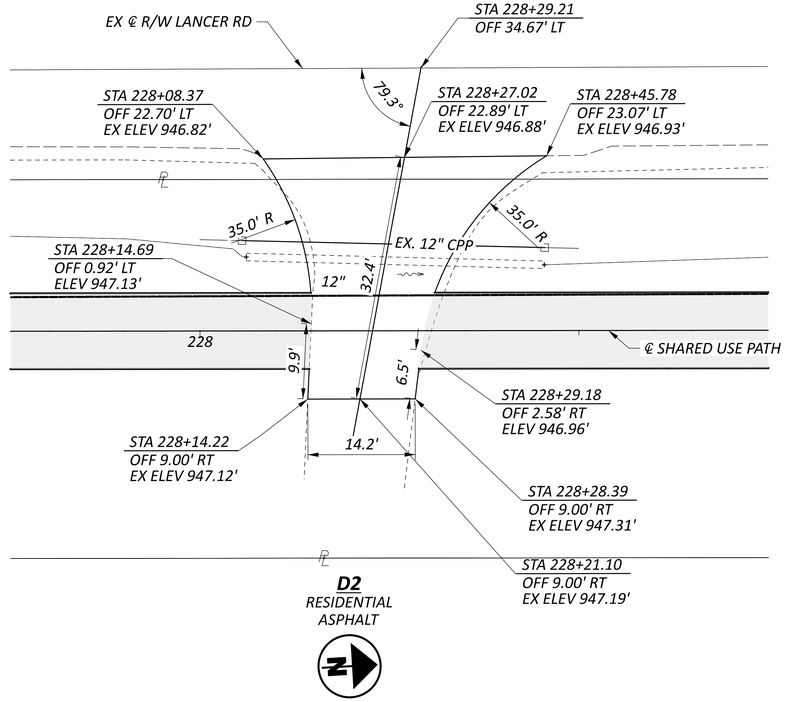
RESIDENTIAL ASPHALT DRIVE BUILD-UP
ITEM 441 - 2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, 449, (DRIVEWAYS)
ITEM 304 - 6" AGGREGATE BASE
ITEM 204 - SUBGRADE COMPACTION

COMMERCIAL ASPHALT DRIVE BUILD-UP
ITEM 441 - 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, 449 (DRIVEWAYS)
ITEM 407 - NON-TRACKING COAT
ITEM 441 - 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, 449, (DRIVEWAYS)
ITEM 301 - 4" ASPHALT CONCRETE, BASE COURSE
ITEM 304 - 8" AGGREGATE BASE, COMPACTED TO MAXIMUM DENSITY
ITEM 204 - SUBGRADE COMPACTION

FIELD DRIVE
ITEM 304 - 8" AGGREGATE BASE

LEGEND

SHARED USE PATH



HORIZONTAL
SCALE IN FEET
0 5 10 20

DRIVE DETAILS D1 TO D2

DESIGN AGENCY
OHM

DESIGNER KAH
REVIEWER CLD 08/16/24
PROJECT ID 117100
SHEET 49 TOTAL 56

LIC-CR327-0.00

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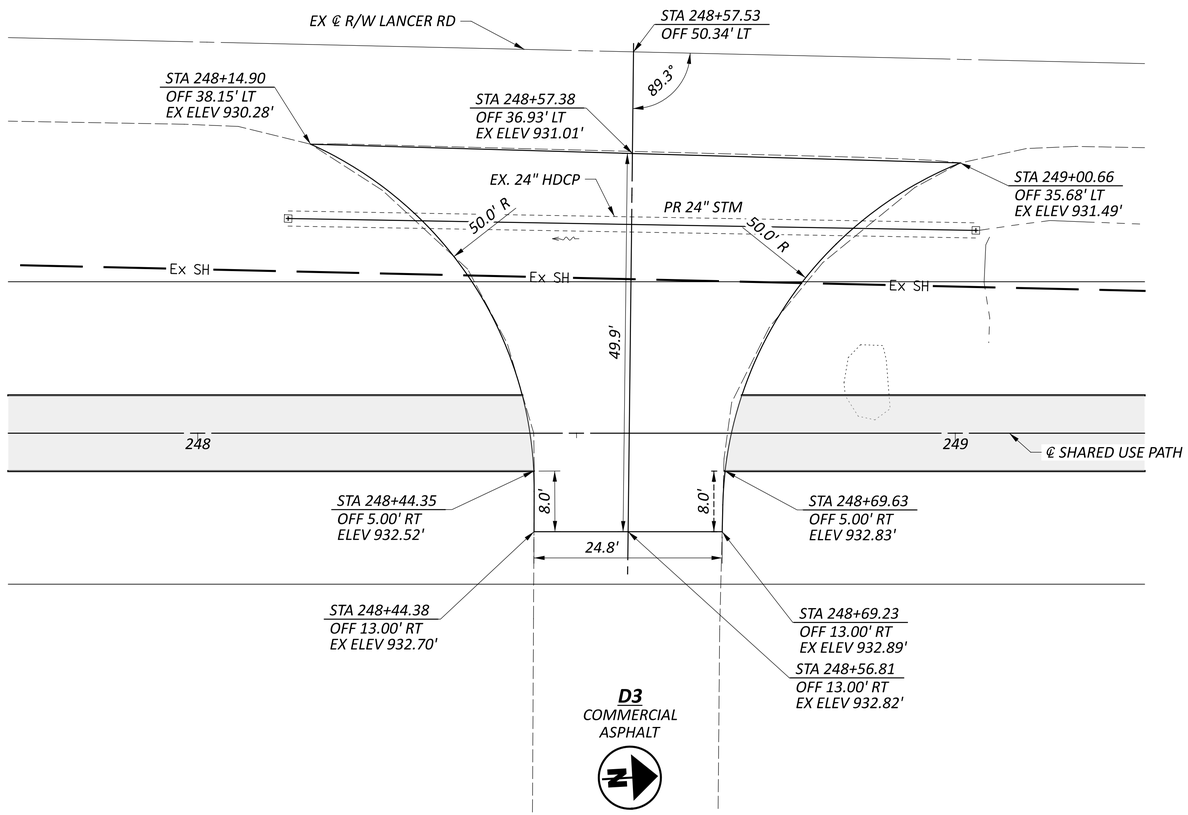


D3
COMMERCIAL ASPHALT

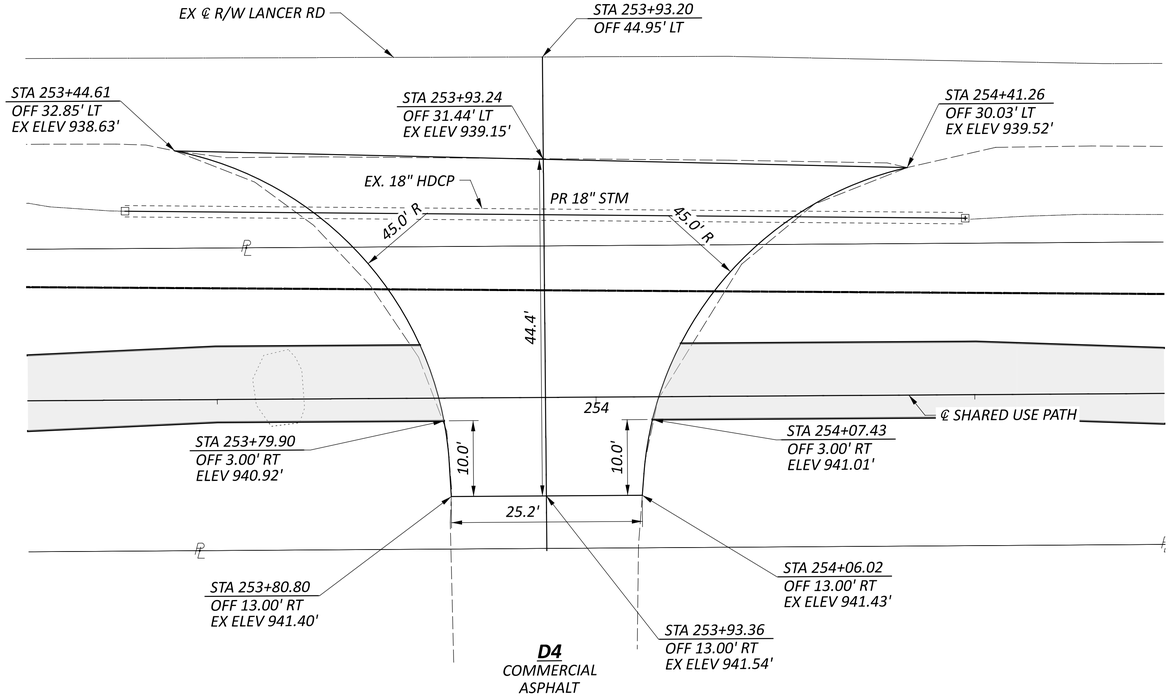
RESIDENTIAL ASPHALT DRIVE BUILD-UP
ITEM 441 - 2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, 449, (DRIVEWAYS)
ITEM 304 - 6" AGGREGATE BASE
ITEM 204 - SUBGRADE COMPACTION

COMMERCIAL ASPHALT DRIVE BUILD-UP
ITEM 441 - 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, 449 (DRIVEWAYS)
ITEM 407 - NON-TRACKING COAT
ITEM 441 - 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, 449, (DRIVEWAYS)
ITEM 301 - 4" ASPHALT CONCRETE, BASE COURSE
ITEM 304 - 8" AGGREGATE BASE, COMPACTED TO MAXIMUM DENSITY
ITEM 204 - SUBGRADE COMPACTION

FIELD DRIVE
ITEM 304 - 8" AGGREGATE BASE

LEGEND

SHARED USE PATH



D4
COMMERCIAL ASPHALT

HORIZONTAL SCALE IN FEET
0 5 10 20

DRIVE DETAILS D3 TO D4

DESIGN AGENCY
OHM

DESIGNER	KAH
REVIEWER	CLD 08/16/24
PROJECT ID	117100
SHEET	50
TOTAL	56

LIC-CR327-0.00

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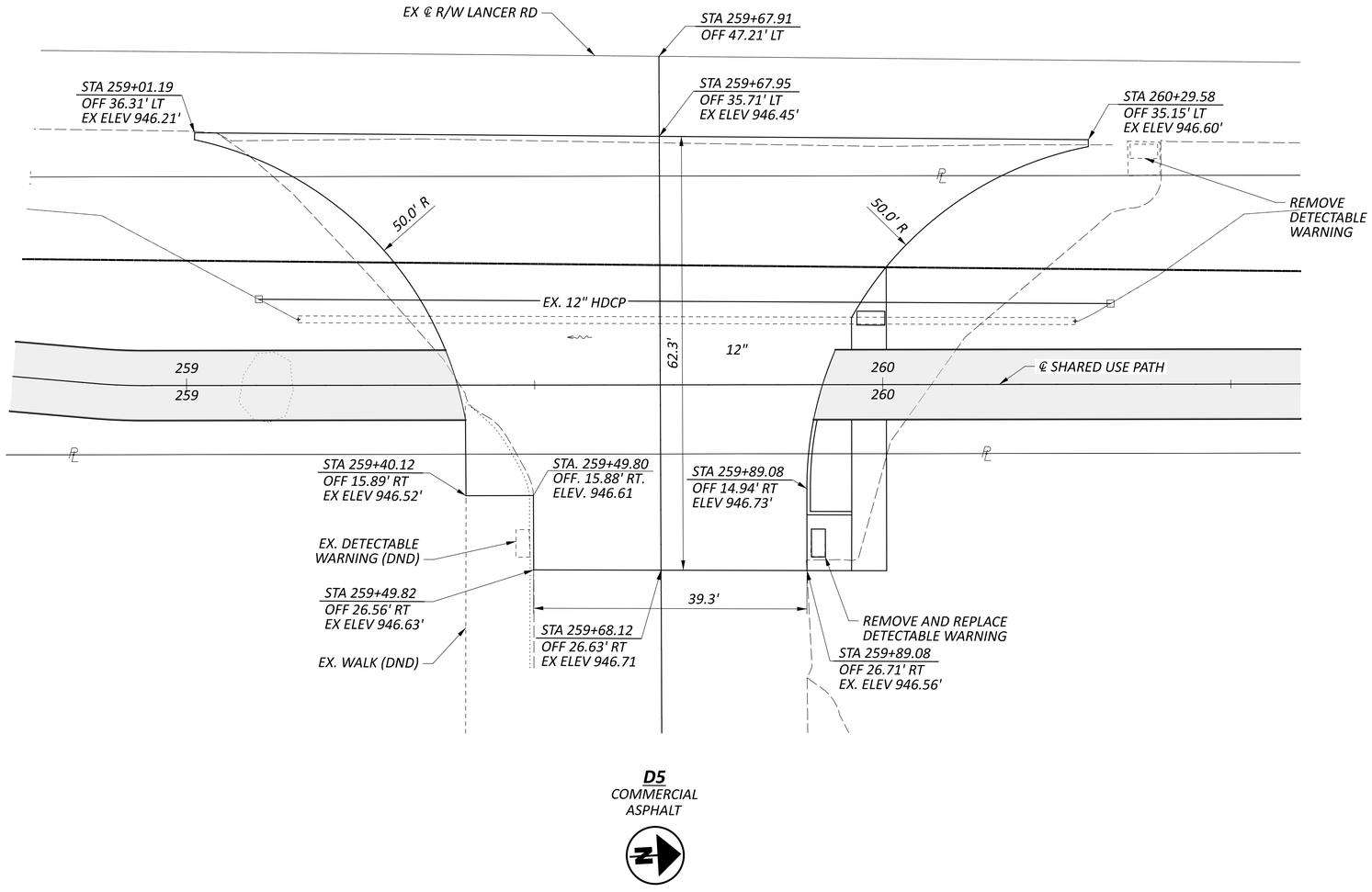


D5
COMMERCIAL
ASPHALT

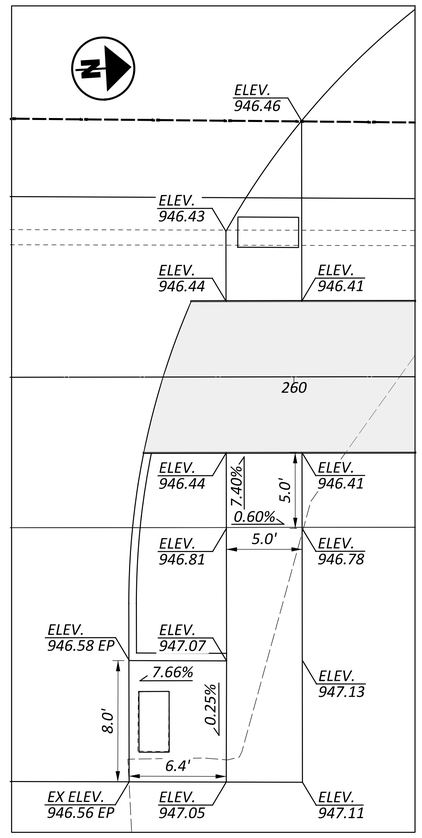
RESIDENTIAL ASPHALT DRIVE BUILD-UP
ITEM 441 - 2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, 449, (DRIVEWAYS)
ITEM 304 - 6" AGGREGATE BASE
ITEM 204 - SUBGRADE COMPACTION

COMMERCIAL ASPHALT DRIVE BUILD-UP
ITEM 441 - 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, 449 (DRIVEWAYS)
ITEM 407 - NON-TRACKING COAT
ITEM 441 - 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, 449, (DRIVEWAYS)
ITEM 301 - 4" ASPHALT CONCRETE, BASE COURSE
ITEM 304 - 8" AGGREGATE BASE, COMPACTED TO MAXIMUM DENSITY
ITEM 204 - SUBGRADE COMPACTION

FIELD DRIVE
ITEM 304 - 8" AGGREGATE BASE

LEGEND

SHARED USE PATH



WALK DETAIL
SCALE = 1:5

HORIZONTAL
SCALE IN FEET
0 5 10 20

DRIVE DETAILS
D5

DESIGN AGENCY
OHM

DESIGNER
KAH

REVIEWER
CLD 08/16/24

PROJECT ID
117100

SHEET 51 | TOTAL 56

LIC-CR327-0.00

MODEL: CLP_LANCER_SUP - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 8/15/2024 TIME: 9:28:58 AM USER: cdekle
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TRAFFIC CONTROL SUBSUMMARY

REF NO.	SHEET NO.	LOCATION	STATION/ COORDINATES	SIDE	CODE	SIZE (INCHES)	630 GROUND MOUNTED SUPPORT, NO. 2 POST FT	630 GROUND MOUNTED SUPPORT, NO. 3 POST FT	630 SIGN, FLAT SHEET SF	630 REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL EACH	630 REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL EACH	630 SIGNING, MISC.: SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY EACH
S-1	54	CRISTLAND HILL RD	N:707587, E:1985462	RT	W11-15-30	30" X 30"		14.1	6.25			
S-2	54	CRISTLAND HILL RD	N:707547, E:1985611	RT	D11-1-24	24" X 18"	12.0		3.00			
S-3	54	CRISTLAND HILL RD	N:707590, E:1985671	LT	D11-1-24	24" X 18"	12.0		3.00			
S-4	54	CRISTLAND HILL RD	N:707546, E:1985823	LT	W11-15-30	30" X 30"		14.1	6.25			
S-5	54	SUP	200+26	RT	R5-3-24	24" X 24"	12.5		4.00			
S-6	54	SUP	200+26	LT	R1-1-18	18" X 18"	12.5		2.25			
					SPECIAL	30" X 6"			1.25			
S-7	54	SUP	200+76	LT	W3-1-18	18" X 18"	12.7		2.25			
S-8	54	SUP	200+76	RT	D11-1-24	24" X 18"	12.0		3.00			
S-9	54	SUP	201+26	LT	M4-6-12	12" X 6"	12.5		0.50			
					D11-1-24	24" X 18"			3.00			
R-1	55	SUP	254+16	LT						1	1	
R-2	55	SUP	260+06	RT						1	1	
S-10	55	SUP	254+14	RT	R1-1-30	30" X 30"		13.0	6.25			
S-11	55	SUP	259+92	LT	W11-2-30	30" X 30"						1
					W16-7PR-24	24" X 12"						
					W11-2-30	30" X 30"						
					W16-7PL-24	24" X 12"						
					R10-25-9	9" X 12"						
S-12	55	SUP	259+93	RT	R1-1-30	30" X 30"		13.0	6.25			
S-13	55	SUP	260+04	LT	W11-2-30	30" X 30"						1
					W16-7PL-24	24" X 12"						
					R10-25-9	9" X 12"						
					W11-2-30	30" X 30"						
					W16-7PR-24	24" X 12"						
R-3	56	SUP	264+22	LT						1	1	
R-4	56	SUP	264+28	LT						1	1	
R-5	56	SUP	264+78	RT						2	1	
R-6	56	SUP	264+78	LT						2	1	
S-14	56	SUP	263+29	RT	D11-1-24	24" X 18"	12.0		3.00			
S-15	56	SUP	263+29	LT	D11-1-24	24" X 18"	12.0		3.00			
S-16	56	SUP	263+79	RT	W3-1-18	18" X 18"	12.7		2.25			
S-17	56	SUP	264+18	RT	W11-15-30	30" X 30"						1
					W16-7PL-24	24" X 12"						
					R10-25-9	9" X 12"						
					W11-15-30	30" X 30"						
					W16-7PR-24	24" X 12"						
S-18	56	SUP	264+23	LT	D3-1-36	36" X 12"		14.0				
					R1-1-30	30" X 30"						
S-19	56	SUP	264+29	RT	R1-1-18	18" X 18"	12.5		2.25			
					SPECIAL	18" X 6"			0.75			
S-20	56	SUP	264+29	LT	R5-3-24	24" X 24"	12.5		4.00			
S-21	56	SUP	N:714034, E:1986002	RT	R5-3-24	24" X 24"	12.5		4.00			
S-22	56	SUP	N:714046, E:1985987	LT	W11-15-30	30" X 30"						1
					W16-7PL-24	24" X 12"						
					R10-25-9	9" X 12"						
					W11-15-30	30" X 30"						
					W16-7PR-24	24" X 12"						
S-23	56	SUP	N:714048, E:1985987	LT	R1-1-18	18" X 18"	12.5		2.25			
					SPECIAL	18" X 6"			0.75			
S-24	56	US 40	N:713996, E:1985662	RT	W11-15-30	30" X 30"		14.1	6.25			
S-25	56	US 40	N:713989, E:1985864	RT	D11-1-24	24" X 18"	12.8		3.00			
					M6-4-12	12" X 9"			0.75			
S-26	56	US 40	N:714028, E:1986135	LT	D11-1-24	24" X 18"	12.8		3.00			
					M6-4-12	12" X 9"			0.75			
S-27	56	US 40	N:714017, E:1986324	LT	W11-15-30	30" X 30"		14.1	6.25			
TOTALS CARRIED TO GENERAL SUMMARY							198.5	96.4	89.50	8	6	4

REF NO.	SHEET NO.	STATION TO STATION			SIDE	644 CHANNELIZING LINE, 8" FT	644 STOP LINE FT	644 CROSSWALK LINE, 12" FT	644 CROSSWALK LINE, 24" FT	644 LANE ARROW EACH
			TO							
CW-1	54	248+44		248+70	LT/RT			55		
LA-1	54	248+50			LT					1
LA-2	54	248+64			LT					1
SL-1	54	200+26			LT		5			
CH-1	55	253+93			LT	20				
CH-2	55	253+93			RT	8				
CW-2	55	253+79		254+08	LT/RT			60		
CW-3	55	259+39		259+91	LT/RT			107		
CW-4	55	259+50		259+89	RT			79		
CW-5	55	259+50		259+89	RT				80	
CW-6	55	259+93		260+03	LT			101		
CW-7	55	259+93		260+03	LT				90	
LA-3	55	253+87			LT					1
LA-4	55	254+00			LT					1
CW-8	56	264+39		264+66	LT/RT			55		
CW-9	56	264+39		264+66	LT/RT				50	
SL-2	56	264+29			RT		5			
SL-3	56	264+93			LT		5			
TOTALS CARRIED TO GENERAL SUMMARY						28	15	457	220	4

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DESIGN AGENCY
OHM

DESIGNER BMM
REVIEWER JWG 08/16/24
PROJECT ID 117100
SHEET 52 TOTAL 56

630 SIGNING, MISC.: SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY

THIS WORK SHALL CONSIST OF FURNISHING AND INSTALLING A SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY. THE FLASHING UNIT SHALL BE SOLAR POWERED, PEDESTRIAN ACTIVATED, AND 2-SIDED WITH TWO LED ARRAY BASED YELLOW INDICATIONS ON EACH SIDE. MULTIPLE UNITS SHALL BE WIRELESSLY CONTROLLED AND SYNCHRONIZED. THE UNIT SHALL BE COMPLIANT WITH THE MOST CURRENT OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD) AND FHWA INTERIM APPROVAL FOR RRFBs (IA-21).

GENERAL REQUIREMENTS -

EACH RRFB SHALL CONSIST OF TWO RAPIDLY FLASHED RECTANGULAR-SHAPED YELLOW INDICATIONS HAVING LED ARRAY BASED LIGHT SOURCE.

EACH RRFB SHALL BE A COMPLETE ASSEMBLY, CONSISTING OF BUT NOT LIMITED TO, SIGNAGE, SIGN MOUNTING HARDWARE, INDICATIONS AND ELECTRICAL COMPONENTS (WIRING, SOLID-STATE CIRCUIT BOARDS, ETC.).

EACH RRFB SHALL CONTAIN A PEDESTRIAN INDICATION LIGHT VISIBLE BY THE PEDESTRIAN IN THE DIRECTION OF TRAVEL.

FUNCTIONAL REQUIREMENTS -

EACH RRFB SHALL UTILIZE SOLAR POWER.

EACH RRFB SHALL BE ACTIVATED BY ADA COMPLIANT PUSHBUTTONS.

THE RRFB SHALL BE NORMALLY DARK, SHALL INITIATE OPERATION ONLY UPON PEDESTRIAN ACTUATION, AND SHALL CEASE OPERATION AFTER A PREDETERMINED TIME LIMIT (BASED ON OMUTCD PROCEDURES).

EACH REMOTE RRFB SHALL BE WIRELESSLY ACTIVATED.

ALL RRFB LIGHT INDICATIONS SHALL BE WIRELESSLY SYNCHRONIZED (ALL LIGHTS WILL TURN ON WITHIN 120 MSEC AND REMAIN SYNCHRONIZED THROUGHOUT THE DURATION OF THE FLASHING CYCLE).

THE UNIT SHALL BE CAPABLE OF RUNNING 14 DAYS WITHOUT SUNLIGHT.

MATERIALS -

FURNISH A COMPLETE ASSEMBLY, CONSISTING OF BUT NOT LIMITED TO, SIGNAGE, SIGN MOUNTING HARDWARE, INDICATIONS, AND ELECTRICAL COMPONENTS (WIRING, SOLID-STATE CIRCUIT BOARDS, ETC.). THE RRFB ASSEMBLY INCLUDES THE FOLLOWING ITEMS:

1. RRFB INDICATIONS
   - A. EACH RRFB INDICATION LENS SHALL BE A MINIMUM SIZE OF APPROXIMATELY 5" WIDE X 2" HIGH.
   - B. THE RRFB INDICATIONS SHALL BE ALIGNED HORIZONTALLY, WITH THE LONGER DIMENSION OF THE INDICATION HORIZONTAL. THERE SHALL BE TWO INDICATIONS ON THE FRONT AND TWO INDICATIONS ON THE BACK.
   - C. EACH RRFB SHALL BE SUPPLIED WITH ALL REQUIRED HARDWARE TO INSTALL ASSEMBLY. ALL EXPOSED HARDWARE SHALL BE ANTI-VANDAL.
   - D. EACH RRFB SHALL BE LOCATED BETWEEN THE BOTTOM OF THE CROSSING WARNING SIGN AND THE TOP OF THE SUPPLEMENTAL DOWNWARD DIAGONAL ARROW PLAQUE.

630 SIGNING, MISC.: SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY (CONT.)

   - E. THE LIGHT INTENSITY OF THE YELLOW INDICATIONS SHALL MEET THE MINIMUM CLASS 1 SPECIFICATIONS OF SOCIETY OF AUTOMOTIVE ENGINEERS (SAE) STANDARD J595 (DIRECTIONAL FLASHING OPTICAL WARNING DEVICES FOR AUTHORIZED EMERGENCY, MAINTENANCE, AND SERVICE VEHICLES) DATED JANUARY, 2005.
   - F. TO MINIMIZE EXCESSIVE GLARE DURING NIGHTTIME CONDITIONS, AN AUTOMATIC SIGNAL DIMMING DEVICE SHALL BE USED TO REDUCE THE BRILLIANCE OF THE RRFB INDICATIONS.
   - G. AN LED PEDESTRIAN CONFIRMATION LIGHT DIRECTED AT AND VISIBLE TO PEDESTRIANS IN THE CROSSWALK SHALL BE INSTALLED INTEGRAL TO THE RRFB OR PUSHBUTTON TO GIVE CONFIRMATION THAT THE RRFB IS IN OPERATION.
   - H. THE PEDESTRIAN CONFIRMATION LIGHT SHALL HAVE A MINIMUM AREA OF 0.5 SQUARE INCHES AND BE CONSPICUOUS TO PEDESTRIANS AT ALL DISTANCES FROM THE BEGINNING OF THE CONTROLLED CROSSWALK TO A POINT 10 FEET FROM THE END OF THE CONTROLLED CROSSWALK DURING BOTH DAY AND NIGHT.

2. SIGNS
   - A. ALL SIGN ASSEMBLIES SHALL USE ANTI-VANDAL FASTENERS TO MOUNT COMPONENTS TO SIGN AND SIGN TO FIXTURE.
   - B. PEDESTRIAN PUSHBUTTONS SIGNS SHALL BE PROVIDED AND INCLUDE THE LEGEND "PUSH BUTTON TO TURN ON WARNING LIGHTS". SIGNS SHOULD BE MOUNTED ADJACENT TO OR INTEGRAL WITH EACH PEDESTRIAN PUSHBUTTON.
   - C. TWO SETS OF SIGNS SHALL BE REQUIRED PER UNIT FOR VIEW FROM EACH APPROACH.
   - D. ASSURE SIGN MEETS THE REQUIREMENTS OF C&MS 630.
3. CONTROL CIRCUIT
   - A. THE CONTROL CIRCUIT SHALL HAVE THE CAPABILITY OF INDEPENDENTLY FLASHING UP TO TWO INDEPENDENT OUTPUTS. THE LED LIGHT OUTPUTS AND FLASH PATTERN SHALL BE COMPLETELY PROGRAMMABLE.
   - B. THE CONTROL CIRCUIT SHALL BE SEALED WATERTIGHT TO ELIMINATE DIRT CONTAMINATION AND ALLOW FOR SAFE HANDLING IN ALL WEATHER CONDITIONS.
   - C. THE LEDs SHALL BE SEALED AGAINST DUST AND MOISTURE INTRUSION AS PER THE REQUIREMENTS OF NEMA STANDARD 250-1991 FOR TYPE 4 ENCLOSURE AND TO PROTECT ALL INTERNAL LED AND ELECTRICAL COMPONENTS.
4. BATTERY AND SOLAR PANELS
   - A. BATTERY UNIT SHALL BE A 12VDC, 35 AHR MINIMUM, SEALED GEL OR AGM LEAD ACID BATTERY. BATTERIEST SHALL HAVE A WRITTEN TWO YEAR FULL REPLACEMENT WARRANTY.
   - B. THE SOLAR PANEL SHALL PROVIDE A MINIMUM OF 40 WATTS PEAK TOTAL OUTPUT.
   - C. THE SOLAR PANEL SHALL BE MOUNTED TO AN ALUMINUM PLATE AND BRACKET AT AN ANGLE OF 45 DEGREES-60 DEGREES TO PROVIDE MAXIMUM OUTPUT.
5. WIRELESS RADIO
   - A. RADIO CONTROL SHALL OPERATE ON A 900 MHZ FREQUENCY HOPPING SPREAD SPECTRUM NETWORK, WI-FI OR APPROVED EQUAL.
   - B. RADIO SHALL INTEGRATE COMMUNICATION OF RRFB CONTROL CIRCUIT TO ACTIVATE SIGN FROM PUSHBUTTON INPUT.
   - C. THE RADIO SHALL BE SYNCHRONIZED SO ALL OF THE REMOTE RRFB LIGHT INDICATIONS WILL TURN ON WITHIN 120 MSEC OF EACH OTHER AND REMAIN SYNCHRONIZED THROUGH-OUT THE DURATION OF THE FLASHING CYCLE.

630 SIGNING, MISC.: SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY (CONT.)

6. PUSHBUTTON
   - A. THE PUSHBUTTON SHALL BE CAPABLE OF CONTINUOUS OPERATION OVER A TEMPERATURE RANGE OF -30 DEGREES F TO +165 DEGREES F.
   - B. PUSHBUTTON SHALL BE ADA COMPLIANT.
7. PEDESTAL SHAFT AND BASE - MOUNT ON A STANDARD 4.5-INCH OD ALUMINUM PEDESTAL POLE WITH BREAKAWAY BASE. A 14 FOOT POLE SHALL BE PROVIDED AND FIELD ADJUSTED AND CAPPED TO MAINTAIN THE PROPER SIGN MOUNTING HEIGHT, UNLESS SPECIFIED OTHERWISE IN THE PLANS. POLE AND BASE MANUFACTURER SHALL BE LISTED ON ODOT'S QUALIFIED PRODUCTS LIST.

CONSTRUCTION -

THE RRFB SHALL BE ASSEMBLED AND CONSTRUCTED BY THE CONTRACTOR AS SHOWN AND SPECIFIED ON THE PLANS.

WARRANTY -

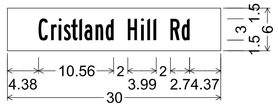
WARRANTY SHALL BE TWO YEARS FROM THE DATE OF FINAL ACCEPTANCE.

MEASUREMENT -

THE DEPARTMENT WILL MEASURE THE ITEM COMPLETE IN PLACE, INCLUDING ALL MATERIALS, TESTING, LABOR AND SOFTWARE FOR A FULLY FUNCTIONAL UNIT.

PAYMENT -

PAYMENT WILL BE AT THE CONTRACT UNIT PRICE PER EACH FOR ITEM 630 "SIGNING MISC.: SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY".



SPECIAL;
No border, Pink on Green;
"Cristland" White, B 2K;
"Hill" White, B 2K;
"Rd" White, B 2K;
Table of widths and spaces

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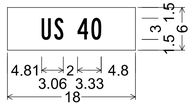
2.00	H 1.29	0.57	i 0.39	0.48	l 0.39	0.48	l 0.39												
2.00	R 1.29	0.30	d 1.11	4.37															



SPECIAL;
No border, White on Green;
"US", B 2K;
"40", B 2K;
Table of widths and spaces

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2.00	4 1.47	0.48	0 1.38	4.80	

TRAFFIC CONTROL NOTES

DESIGN AGENCY
OHM

DESIGNER BMM
REVIEWER JWG 08/16/24
PROJECT ID 117100
SHEET 53 TOTAL 56

LIC-CR327-0.00

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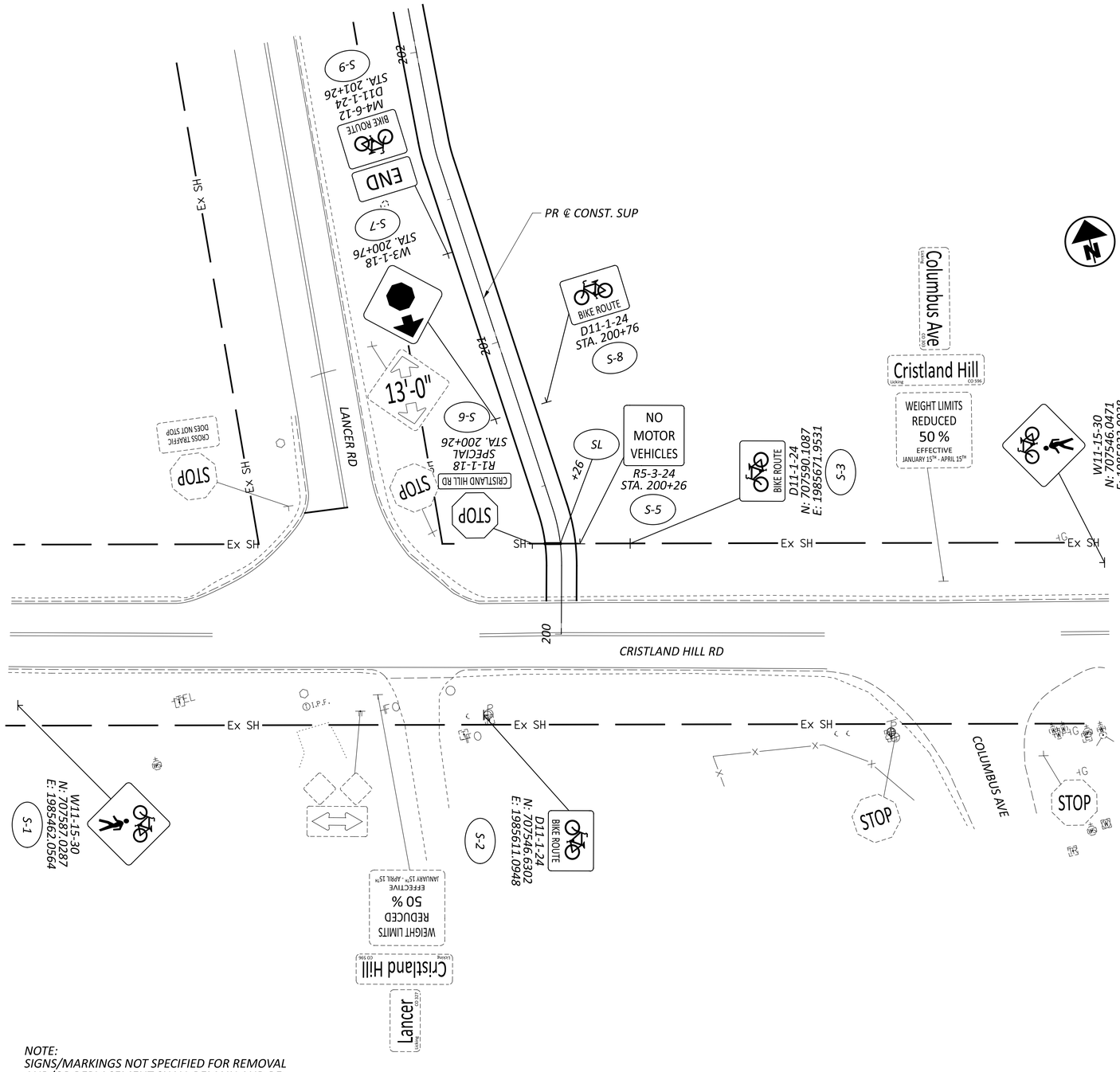

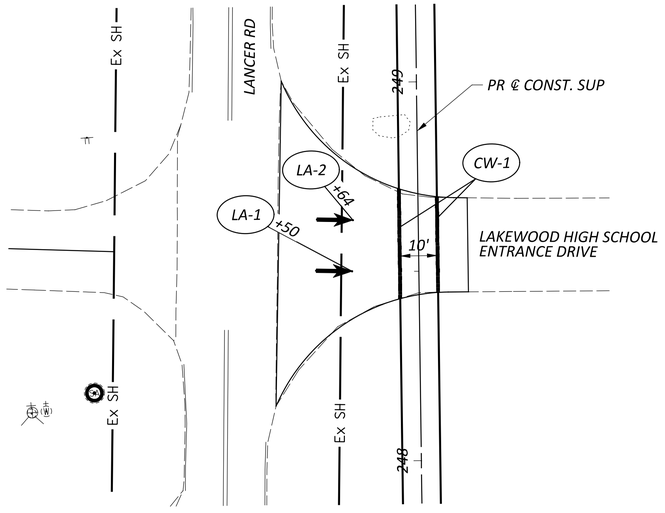

SIGN AND PAVEMENT MARKING LEGEND

- CH — CHANNELIZING LINE, 8"
- CW — CROSSWALK LINE, 12"
- CW — CROSSWALK LINE, 24"
- LA — LANE ARROW
- SL — STOP LINE
- EX. SIGN TO BE REMOVED
- EX. SIGN TO REMAIN
- PROP. SIGN

NOTE:
SIGNS/MARKINGS NOT SPECIFIED FOR REMOVAL AND/OR REPLACEMENT SHALL REMAIN AND BE PROTECTED THROUGHOUT THE DURATION OF CONSTRUCTION.

HORIZONTAL SCALE IN FEET
0 10 20 40

TRAFFIC CONTROL PLAN INTERSECTION DETAILS

LIC-CR327-0.00

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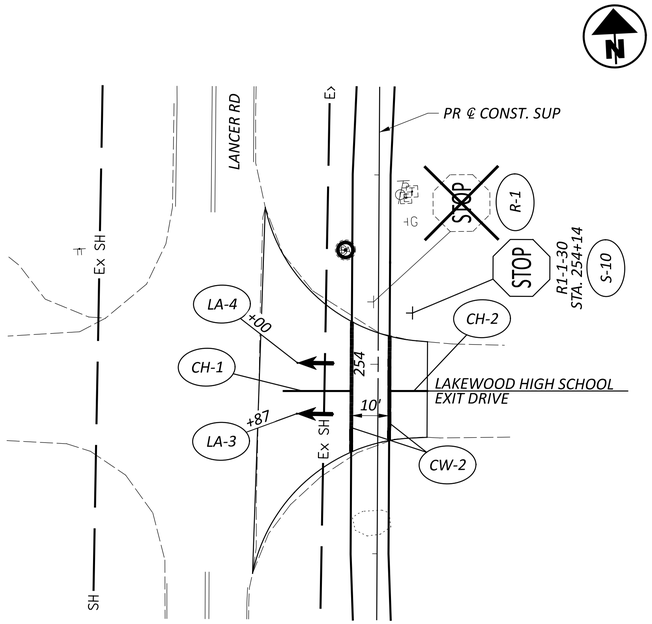
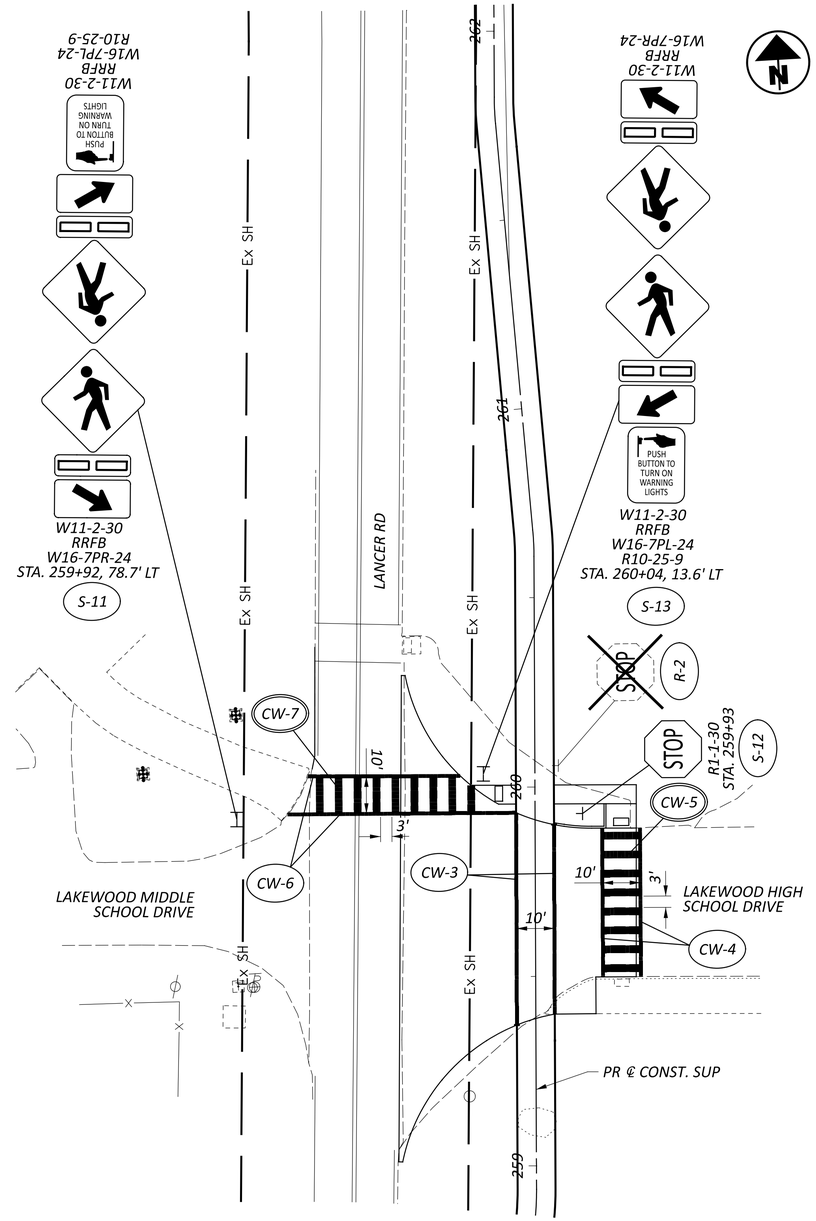
DESIGN AGENCY
OHM

DESIGNER BMM
REVIEWER JWG 08/16/24
PROJECT ID 117100
SHEET 54 TOTAL 56





NOTE:
SIGNS/MARKINGS NOT SPECIFIED FOR REMOVAL AND/OR REPLACEMENT SHALL REMAIN AND BE PROTECTED THROUGHOUT THE DURATION OF CONSTRUCTION.

FOR TRAFFIC CONTROL LEGEND, SEE SHEET 54

HORIZONTAL SCALE IN FEET
0 10 20 40

TRAFFIC CONTROL PLAN INTERSECTION DETAILS

DESIGN AGENCY
OHM

DESIGNER BMM
REVIEWER JWG 08/16/24
PROJECT ID 117100
SHEET 55 TOTAL 56

LIC-CR327-0.00

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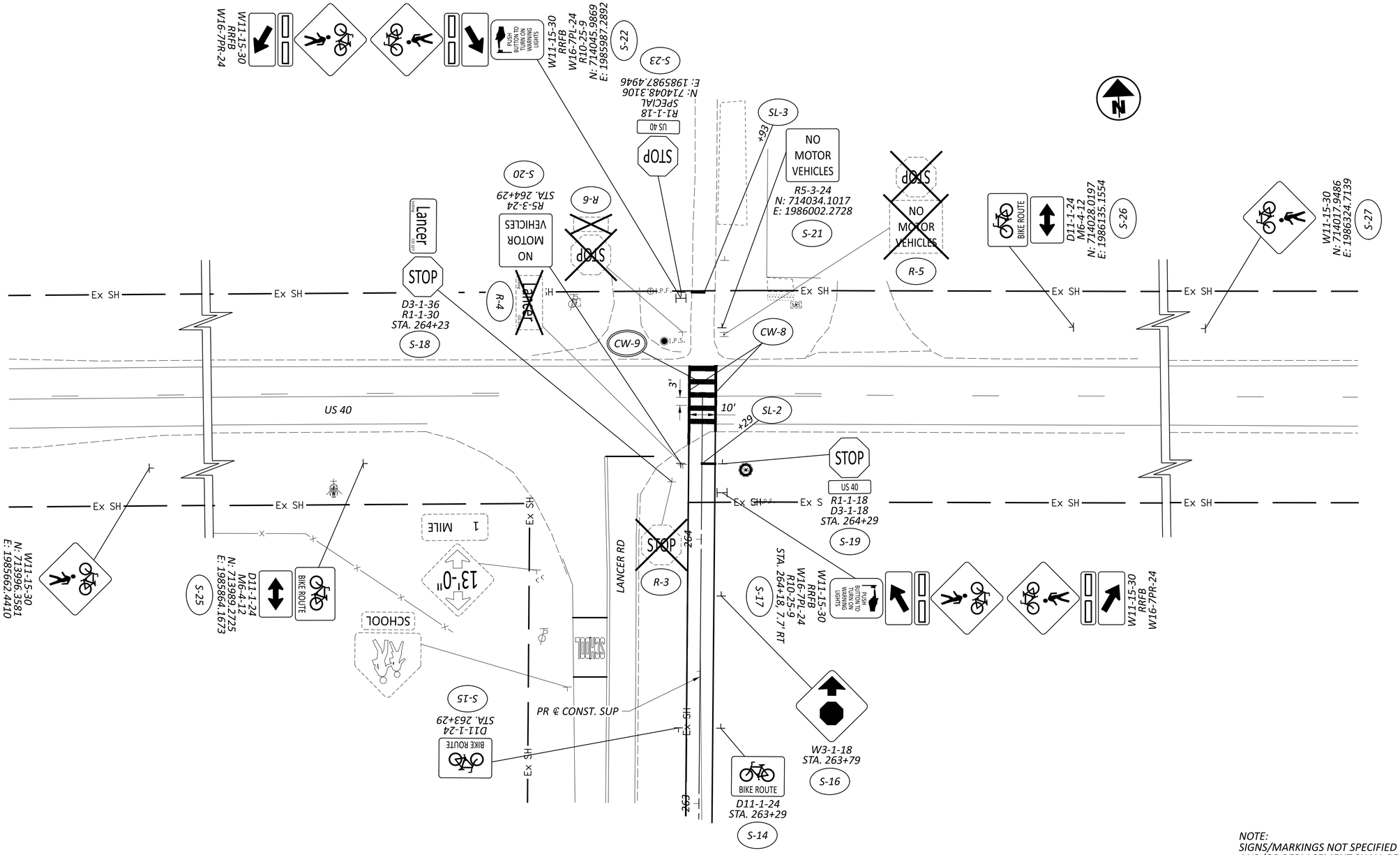

NOTE:
SIGNS/MARKINGS NOT SPECIFIED FOR REMOVAL AND/OR REPLACEMENT SHALL REMAIN AND BE PROTECTED THROUGHOUT THE DURATION OF CONSTRUCTION.

FOR TRAFFIC CONTROL LEGEND, SEE SHEET 54

HORIZONTAL SCALE IN FEET
0 10 20 40

TRAFFIC CONTROL PLAN INTERSECTION DETAILS

DESIGN AGENCY
OHM

DESIGNER BMM
REVIEWER JWG 08/16/24
PROJECT ID 117100
SHEET 56 TOTAL 56

LIC-CR327-0.00

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