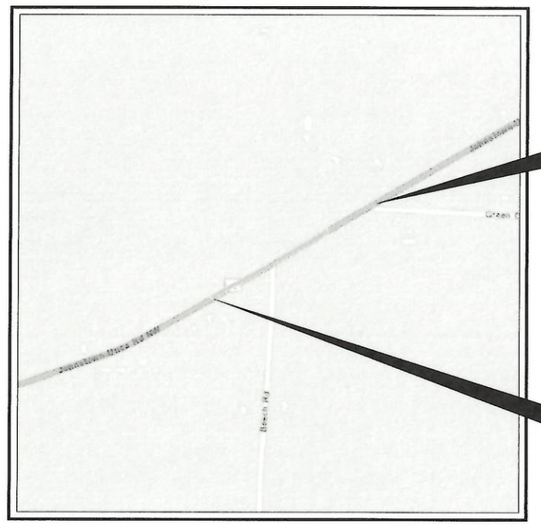
LIC - US 62-00.49
220014 PID - 109329
Dist 5 1/13/2022

Contract Proposal available @ www.contracts.dot.state.oh.us

LIC-62-0.49

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 9/28/2021 TIME: 11:15:36 AM USER: Josh_Rogron
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Licking\109329401-Engineering_2LMN\Roadway\Sheets\109329_GT001.dgn



LOCATION MAP

LATITUDE: 40°07'27" LONGITUDE: -82°45'07"

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

LIC-62-0.49

MONROE / JERSEY TOWNSHIP

LICKING COUNTY

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

DESIGN DESIGNATION

CURRENT ADT (2022)	13,000
DESIGN YEAR ADT (2042)	15,500
DESIGN HOURLY VOLUME (2042)	1,400
DIRECTIONAL DISTRIBUTION	0.7
TRUCKS (24 HOUR B&C)	11%
DESIGN SPEED	55
LEGAL SPEED	55
DESIGN FUNCTIONAL CLASSIFICATION:	
03 RURAL PRINCIPAL ARTERIAL	
NHS PROJECT	YES

DESIGN EXCEPTIONS

	APPROVAL DATE	SHEET NUMBER
SHOULDER WIDTH	5/19/2020	P 3

ADA DESIGN WAIVERS

NONE REQUIRED

INDEX OF SHEETS:

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)

FEDERAL PROJECT NUMBER

E190 (755)

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

INTERSECTION SAFETY IMPROVEMENT BY ADDING A WESTBOUND LEFT TURN LANE ON US 62 AT BEECH ROAD AND PROVIDING CLEAR-ZONE GRADING SLOPE ADJACENT TO INTERSECTION AREA.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	3.65 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.13 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	4.90 ACRES

2019 SPECIFICATIONS

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

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE PART-TIME CLOSING OF THE HIGHWAY TO TRAFFIC, AS NOTED ON SHEET P 10. DURING WHICH TIME DETOURS WILL BE PROVIDED AS SHOWN HEREIN. PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

CONFORMED SET

APPROVED Jason Z Snapp
DATE 9/29/2021 DISTRICT DEPUTY DIRECTOR

APPROVED Jack Marchbanks /JMF
DATE 11-22-21 DIRECTOR, DEPARTMENT OF TRANSPORTATION

PLAN PREPARED BY:

2LMN
Civil Engineers & Land Surveyors
2475 Sugar Grove Rd., SE
Lancaster, Ohio 43130
1105 Schrock Road, Suite 516
Columbus, Ohio 43229
(740) 687-5542 Phone
www.2LMN.com

ENGINEER'S SEAL:

STATE OF OHIO ADAM L. LANIER E-58884 REGISTERED PROFESSIONAL ENGINEER

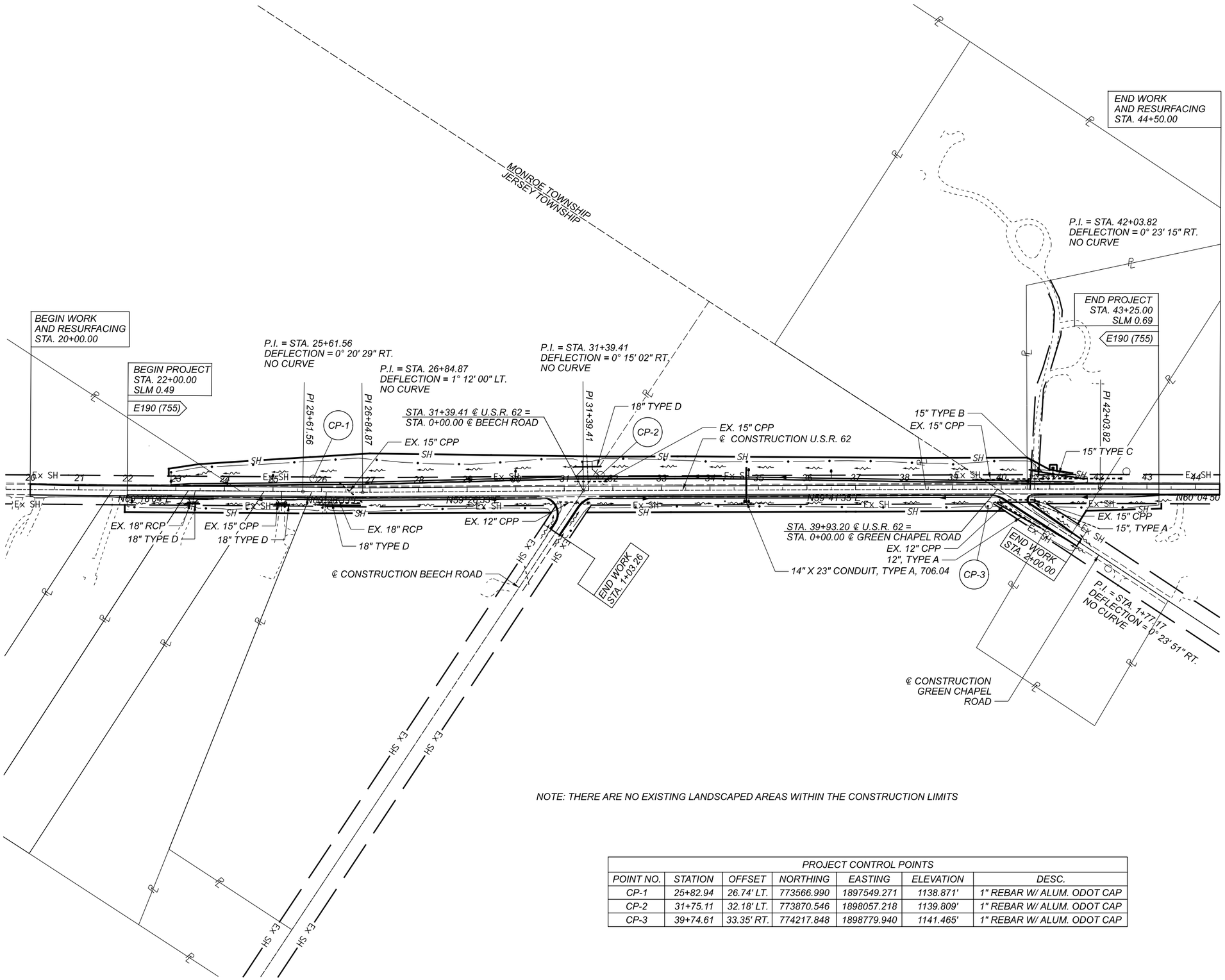
SIGNED:
DATE: 7-8-21

STANDARD CONSTRUCTION DRAWINGS

BP-3.1	01/17/20	TC-41.20	10/18/13	MT-97.10	4/19/19			SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-4.1	7/19/13	TC-41.30	10/18/13	MT-97.12	1/20/17			800 10/15/21	
BP-9.1	1/18/19	TC-42.20	10/18/13	MT-101.60	1/17/20			832 10-19-18	
		TC-52.10	10/18/13	MT-101.70	1/17/20				
DM-1.1	7/17/20	TC-52.20	1/15/21	MT-101.75	1/17/20				
DM-1.2	7/16/21	TC-64.10	7/16/21	MT-101.90	7/17/20				
DM-4.2	7/20/12	TC-65.10	1/17/14	MT-105.10	1/17/20				
DM-4.3	1/15/16	TC-65.11	7/21/17						
DM-4.4	1/15/16	TC-71.10	7/16/21						
CB-1	7/16/21								
CB-2-2A, 2B, 2C	7/16/21								
HW-2.1	7/20/18								
HW-2.2	7/20/18								
RM-1.1	1/15/21								
RM-4.2	4/17/20								

TITLE SHEET

DESIGN AGENCY 2LMN
DESIGNER JJR
REVIEWER ALL 7-8-21
PROJECT ID 109329
SHEET P 1 TOTAL P 87



NOTE: THERE ARE NO EXISTING LANDSCAPED AREAS WITHIN THE CONSTRUCTION LIMITS

PROJECT CONTROL POINTS						
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESC.
CP-1	25+82.94	26.74' LT.	773566.990	1897549.271	1138.871'	1" REBAR W/ ALUM. ODOT CAP
CP-2	31+75.11	32.18' LT.	773870.546	1898057.218	1139.809'	1" REBAR W/ ALUM. ODOT CAP
CP-3	39+74.61	33.35' RT.	774217.848	1898779.940	1141.465'	1" REBAR W/ ALUM. ODOT CAP

HORIZONTAL SCALE IN FEET
0 50 100 200

SCHEMATIC PLAN

LIC-62-0.49

MODEL: Plan 2 [Sheet] PAPERSIZE: 17x11(in.) DATE: 9/28/2021 TIME: 11:55:58 AM USER: Josh.Rognon
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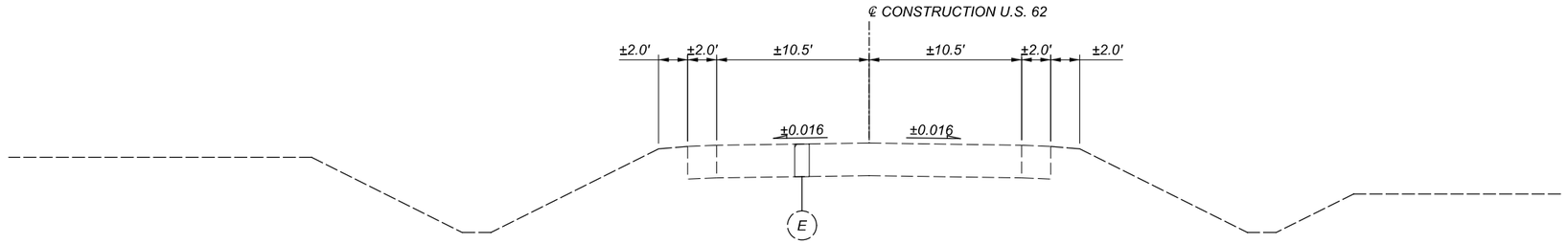
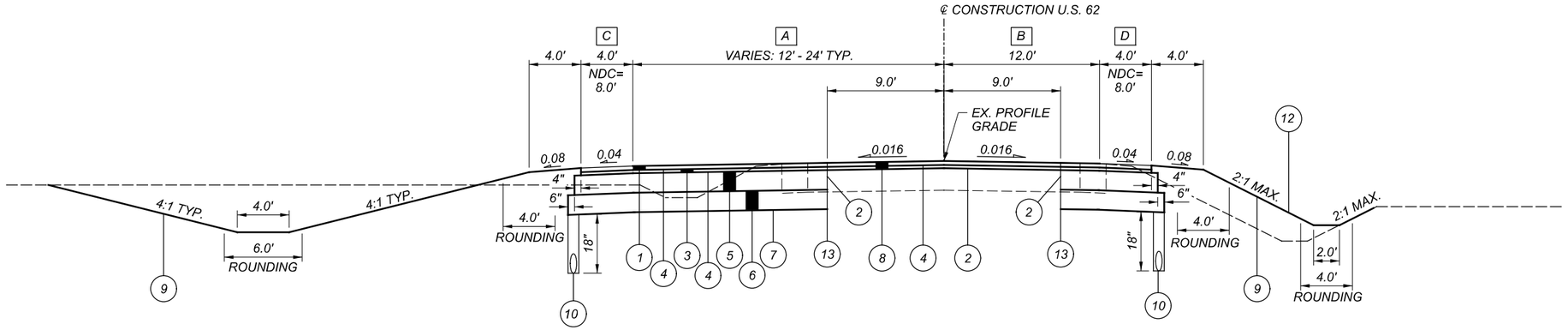
DESIGN AGENCY 2LMN
DESIGNER JJR
REVIEWER ALL 7-8-21
PROJECT ID 109329
SHEET P 2 TOTAL P 87

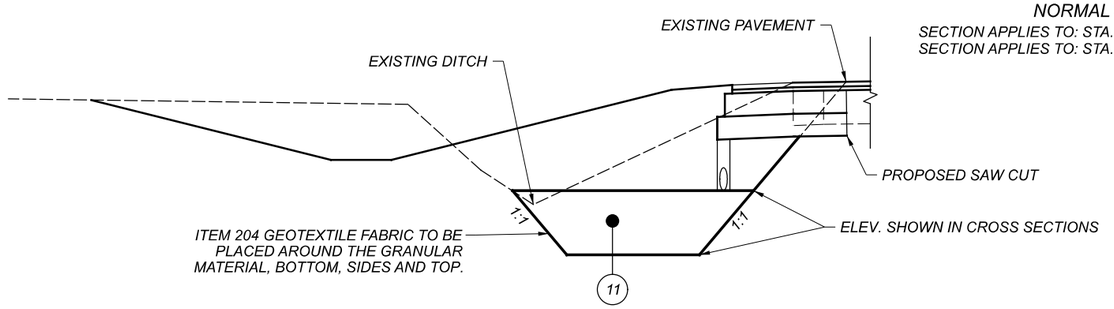


ADJOINING SECTION - U.S. 62



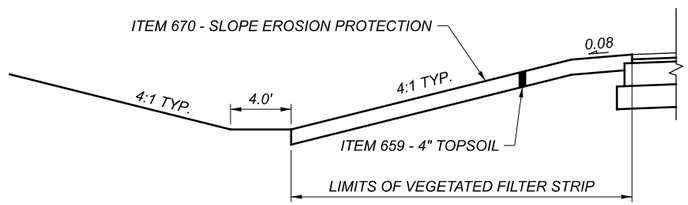
NORMAL SECTION - U.S. 62

SECTION APPLIES TO: STA. 22+90.00 TO STA. 41+50.00 = 1,860 FT. (LEFT)
SECTION APPLIES TO: STA. 22+00.00 TO STA. 43+25.00 = 2,125 FT. (RIGHT)



TYPICAL DETAIL FOR UNDERCUT LEFT SIDE (SEE CROSS SECTIONS)

SECTION APPLIES TO: STA. 23+90.00 TO STA. 39+10.00 = 1,520.00 FT. (LEFT)



TYPICAL DETAIL FOR POST CONSTRUCTION BMPS: VEGETATED FILTER STRIP

SECTION APPLIES TO: STA. 23+50.00 TO STA. 29+90.00 = 640 FT. (LEFT)
STA. 35+00.00 TO STA. 39+50.00 = 450 FT. (LEFT)

A

PAVEMENT TAPERS FROM EXISTING (9.25') AT STA. 22+90.00 TO 24.0' AT STA. 31+00.00

PAVEMENT WIDTH IS 24.0' FROM STA. 31+00.00 TO STA. 34+00.00

PAVEMENT TAPERS FROM 24.0' AT STA. 34+00.00 TO EXISTING (10.25') AT STA. 41+50.00

B

PAVEMENT WIDTH REMAINS 12.0' FROM STA. 22+00.00 TO STA. 42+56.60

PAVEMENT TAPERS FROM 12.0' AT STA. 42+56.60 TO EXISTING (10.66') AT STA. 43+25.00

C

SHOULDER PAVEMENT TAPERS FROM EXISTING (2.3') AT STA. 22+90.00 TO 4.0' AT STA. 23+31.64 (25:1 RATE)

SHOULDER PAVEMENT WIDTH REMAINS 4.0' FROM STA. 23+31.64 TO STA. 41+40.00

SHOULDER PAVEMENT TAPERS FROM 4.0' AT STA. 41+40.00 TO EXISTING (2.7') AT STA. 41+50.00

D

SHOULDER PAVEMENT TAPERS FROM EXISTING (3.0') AT STA. 22+00.00 TO 4.0' AT STA. 22+10.00 (5:1 RATE)

SHOULDER PAVEMENT WIDTH REMAINS 4.0' FROM STA. 22+10.00 TO STA. 42+74.96

SHOULDER PAVEMENT TAPERS FROM 4.0' AT STA. 42+74.96 TO EXISTING (2.0') AT STA. 43+25.00 (25:1 RATE)

LEGEND:

(E) EX. 15"± ASPHALT PAVEMENT

(1) ITEM 441 - 1¼" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M

(2) ITEM 407 - NON-TRACKING TACK COAT (APPLIED @ 0.09 GAL/SY)

(3) ITEM 441 - 1" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448)

(4) ITEM 407 - NON-TRACKING TACK COAT (APPLIED @ 0.06 GAL/SY)

(5) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22

(6) ITEM 304 - 6" AGGREGATE BASE

(7) ITEM 204 - SUBGRADE COMPACTION

(8) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (2¼" DEEP)

(9) ITEM 659 - SEEDING AND MULCHING, CLASS I

(10) ITEM 605 - 6" BASE PIPE UNDERDRAINS

(11) ITEM 203 - EXCAVATION
ITEM 203 - GRANULAR MATERIAL, TYPE D
ITEM 204 - GEOTEXTILE FABRIC

(12) ITEM 671 - EROSION CONTROL MAT, TYPE 1

(13) ITEM 252 - FULL DEPTH PAVEMENT SAWING

TYPICAL SECTIONS

DESIGN AGENCY
2LMN

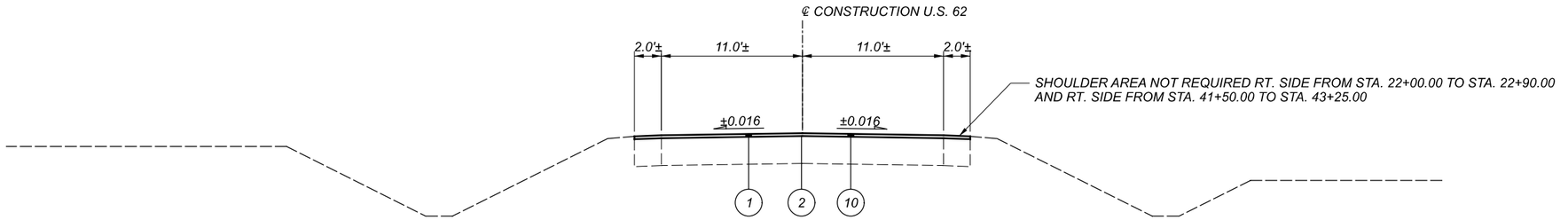
DESIGNER JJR

REVIEWER ALL 7-8-21

PROJECT ID 109329

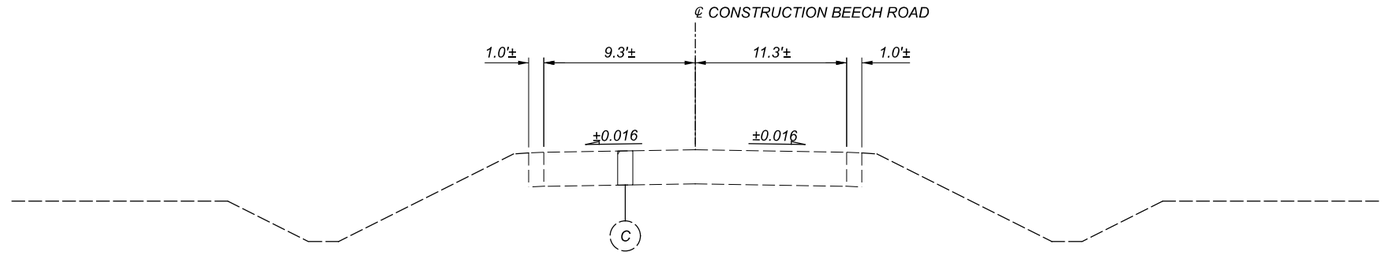
SHEET P 3 | TOTAL P 87

LIC-62-0.49



RESURFACING SECTION - U.S. 62

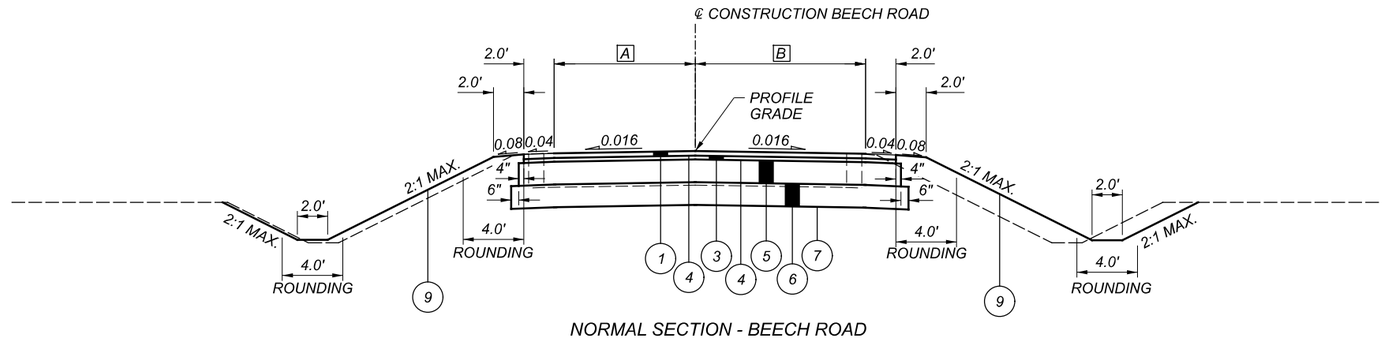
SECTION APPLIES TO: STA. 20+00.00 TO STA. 22+90.00 = 290.00 FT.
SECTION APPLIES TO: STA. 41+50.00 TO STA. 44+50.00 = 300.00 FT.



ADJOINING SECTION - BEECH ROAD

[A]- *VARIES FROM 0+14.48 TO 0+34.97*
9.25' FROM 0+34.97 TO 1+03.26

[B]- *VARIES FROM 0+14.48 TO 0+87.89*
11.20' FROM 0+87.89 TO 1+03.26



NORMAL SECTION - BEECH ROAD

SECTION APPLIES TO: STA. 0+14.48 TO STA. 1+03.26 = 88.78 FT.

LEGEND:

(C) *EX. ASPHALT PAVEMENT - (DEPTH UNKNOWN)*

(1) *ITEM 441 - 1¼" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M*

(2) *ITEM 407 - NON-TRACKING TACK COAT (APPLIED @ 0.09 GAL/SY)*

(3) *ITEM 441 - 1" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448)*

(4) *ITEM 407 - NON-TRACKING TACK COAT (APPLIED @ 0.06 GAL/SY)*

(5) *ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22*

(6) *ITEM 304 - 6" AGGREGATE BASE*

(7) *ITEM 204 - SUBGRADE COMPACTION*

(8) *ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (2 1/4" DEEP)*

(9) *ITEM 659 - SEEDING AND MULCHING, CLASS I*

(10) *ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (1 1/4" DEEP)*

TYPICAL SECTIONS

LIC-62-0.49

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 9/28/2021 TIME: 11:16:32 AM USER: Josh_Rognon
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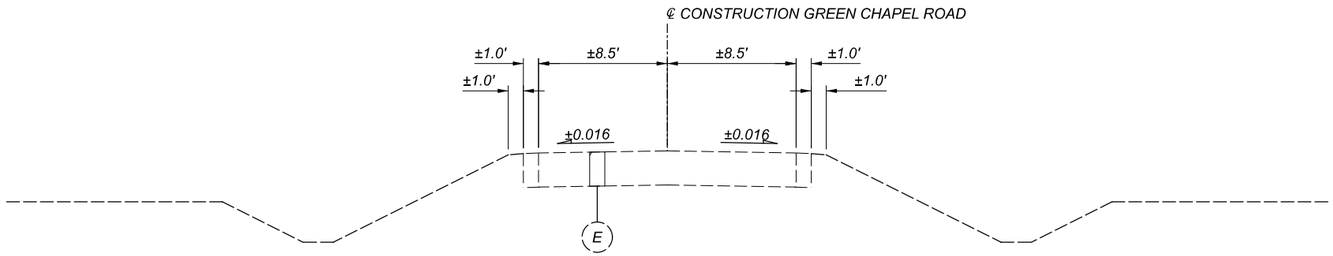
DESIGN AGENCY
2LMN

DESIGNER
JJR

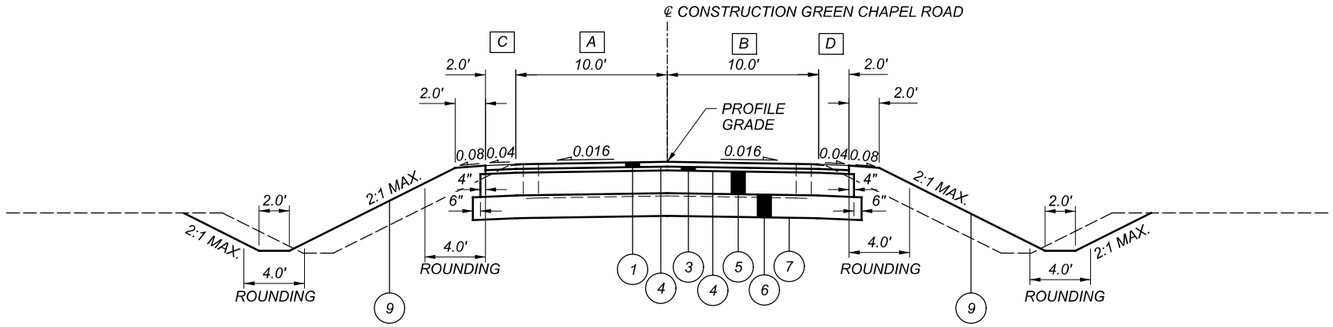
REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 4 | TOTAL P 87



ADJOINING SECTION - BEECH ROAD



NORMAL SECTION - GREEN CHAPEL ROAD

SECTION APPLIES TO: STA. 0+21.90 TO STA. 2+00.00 = 178.10 FT.

A

VARIES FROM 0+21.90 TO 0+70.72
10.0' FROM 0+72.72 TO 1+00.00
TAPERS FROM 10.0' AT 1+00.00 TO EXISTING (7.6') AT 2+00.00

B

VARIES FROM 0+21.54 TO 0+21.90
10.0' FROM 0+21.54 TO 1+00.00
TAPERS FROM 10.0' AT 1+00.00 TO EXISTING (9.4') AT 2+00.00

C

SHOULDER TAPERS FROM 2.00' AT 1+50.00
TO EXISTING 0.00') AT 2+00

D

SHOULDER TAPERS FROM 2.00' AT 1+50.00
TO EXISTING 0.00') AT 2+00

LEGEND:

(E) EX. ASPHALT PAVEMENT - (DEPTH UNKNOWN)

(1) ITEM 441 - 1¼" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M

(2) ITEM 407 - NON-TRACKING TACK COAT (APPLIED @ 0.09 GAL/SY)

(3) ITEM 441 - 1" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448)

(4) ITEM 407 - NON-TRACKING TACK COAT (APPLIED @ 0.06 GAL/SY)

(5) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22

(6) ITEM 304 - 6" AGGREGATE BASE

(7) ITEM 204 - SUBGRADE COMPACTION

(8) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (2 1/4" DEEP)

(9) ITEM 659 - SEEDING AND MULCHING, CLASS I

TYPICAL SECTIONS

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 5 | TOTAL P 87

LIC-62-0.49

ROUNDING

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

UTILITIES

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

AMERICAN ELECTRIC POWER CO. (DISTRIBUTION)
777 HOPEWELL DRIVE
HEATH, OHIO 43056
ATTN: PAUL PAXTON
740-348-5322
ptpaxton@aep.com

AT&T OHIO
111 NORTH FOURTH ST.
COLUMBUS, OHIO 43215
ATTEN: KEVIN GLASSER
614-208-9312
Kg1963@att.com

ASPIRE ENERGY
300 TRACY BRIDGE RD.
ORRVILLE, OHIO 44667
ATTN: TRACY MCVAY
330-933-7578
tmcvay@aspireenergyco.com

LUMEN (FORMERLY CENTURYLINK)
2025 AKRON RD.
WOOSTER, OHIO 44691
ATTN: JEFF SCHOONOVER
330-262-1128
jeffery.l.schoonover@lumen.com

COLUMBIA GAS OF OHIO
3550 JOHNNY APPLESEED
COLUMBUS, OHIO 43231
ATTN: MARK CHRISTMAN
614-818-2109
mchristman@nisource.com

EVERSTREAM
240 N. 5th STREET #168
COLUMBUS, OHIO 43215
OUTSIDE PLANT MANAGER
ATTN: SUBHI SALEH
614-558-7002
ssaleh@everstream.net

SPECTRUM CABLE TV
3770 EAST LIVINGSTON AVE.
COLUMBUS, OHIO 43227-2280
ATTN: ANTHONY ADAMS
614-827-7971
anthony.adams@charter.com

UTILITIES

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

CONSTRUCTION NOISE

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

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

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

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

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

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

REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE STATE, REPRESENTATIVES OF THE STATE AND THE CONTRACTOR, ALONG WITH LOCAL REPRESENTATIVES, SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCE SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE STATE.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE STATE.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

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

SURVEYING PARAMETERS

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

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

PROJECT CONTROL

POSITIONING METHOD: ODOT VRS
MONUMENT TYPE: TYPE B

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD 88
GEOID: 12A

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD-83(211)
ELLIPSOID: GRS-80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO PLANE SOUTH ZONE
COMBINED SCALE FACTOR: GRID COORDINATES
ORIGIN OF COORDINATE SYSTEM: 0, 0

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET.

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.

PAVEMENT RESTORATION FOR PIPE INSTALLATIONS AND/OR REMOVALS

THE FOLLOWING QUANTITY HAS BEEN PROVIDED FOR PAVEMENT RESTORATION FOLLOWING INSTALLATION AND/OR REMOVAL OF PIPES.

ITEM 301 - ASPHALT CONCRETE BASE, PG64-22
8 CU. YDS.

THE ABOVE QUANTITY IS BASED ON A 301 THICKNESS OF 6 INCHES AND A PAVEMENT RESTORATION WIDTH THAT INCLUDES THE TRENCH WIDTH PLUS TWO FEET ON EACH SIDE OF THE TRENCH.

PROVIDE ANY MATERIALS USED OUTSIDE THE LIMITS STATED ABOVE AT NO ADDITIONAL COST.

SEEDING AND MULCHING

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

659, TOPSOIL
1171 CU. YD. (277 CU. YD. DEDUCTED FOR BMPS)

659, SEEDING AND MULCHING, CLASS 1
13043 SQ. YD.

659, REPAIR SEEDING AND MULCHING
652 SQ. YD.

659, COMMERCIAL FERTILIZER
1.82 TON

659, LIME
2.69 ACRES

659, WATER
72 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.

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	TOTAL
< 12"	6	6
24" - 36"	1	1

UNRECORDED STORM WATER DRAINAGE

FURNISH A CONTINUANCE FOR ALL UNRECORDED STORM WATER DRAINAGE, SUCH AS ROOF DRAINS, FOOTER DRAINS, OR YARD DRAINS, DISTURBED BY THE WORK. FURNISH EITHER AN OPEN CONTINUANCE OR AN UNOBSTRUCTED CONTINUANCE BY CONNECTING A CONDUIT THROUGH THE CURB OR INTO A DRAINAGE STRUCTURE. THE LOCATION, TYPE, SIZE AND GRADE OF THE NEEDED CONDUIT TO REPLACE OR EXTEND AN EXISTING DRAIN WILL BE DETERMINED BY THE ENGINEER. ALL SUCH CONTINUANCE REQUIRES A RIGHT OF WAY USE PERMIT.

THE FOLLOWING CONDUIT TYPES MAY BE USED: 707.33, 707.41 NON-PERFORATED, 707.42, 707.43, 707.45, 707.46, 707.47, 707.51, 707.52 SDR35.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR THE WORK NOTED ABOVE:

ITEM 611 6" CONDUIT, TYPE E, FOR DRAINAGE CONNECTION 150 FT.
ITEM 611 6" CONDUIT, TYPE F, FOR DRAINAGE CONNECTIONS 150 FT.
ITEM 611 8" CONDUIT, TYPE E, FOR DRAINAGE CONNECTION 150 FT.
ITEM 611 8" CONDUIT, TYPE F, FOR DRAINAGE CONNECTION 150 FT.

GENERAL NOTES

DESIGN AGENCY
2LMN
DESIGNER
JJR
REVIEWER
ALL 7-8-21
PROJECT ID
109329
SHEET P 6 TOTAL P 87

LIC-62-0.49

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.
   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 204.05.

   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 204.03.

4. 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 204.06.

5. EXCAVATE UNSTABLE SUBGRADE AS DIRECTED BY THE ENGINEER AND STABILIZE BY REPLACING WITH THE SPECIFIED MATERIALS ACCORDING TO 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 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.

ITEM SPECIAL - PIPE CLEANOUT

THIS WORK SHALL CONSIST OF REMOVING SEDIMENT AND DEBRIS FROM THE EXISTING DRAINAGE CONDUITS SPECIFIED IN THE PLANS. ALL MATERIAL REMOVED SHALL BE DISPOSED OF AS PER 105.16 AND 105.17. ALL SEWERS SHALL BE CLEANED OUT TO THE SATISFACTION OF THE ENGINEER.

CLEANOUT OF THE PIPE SHALL BE PAID FOR AT THE UNIT PRICE BID FOR ITEM SPECIAL - PIPE CLEANOUT. THIS PRICE SHALL INCLUDE THE COST FOR MATERIAL, EQUIPMENT, LABOR, AND ALL INCIDENTALS REQUIRED TO COMPLETE THE CLEANOUT.

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

SPECIAL, PIPE CLEANOUT, 24" AND UNDER 78 FT.

FOR LOCATION OF ITEM SPECIAL - PIPE CLEANOUT SEE SHEETS P 32 & P 33, (STA. 41+69 TO STA. 42+50, LT. U.S. 62).

ITEM SPECIAL – MAILBOX SUPPORT

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

WOOD POSTS SHALL BE NOMINAL 4 INCHES BY 4 INCHES SQUARE OR 4.5 INCHES DIAMETER ROUND, AND CONFORM TO 710.14.

STEEL POSTS SHALL BE NOMINAL PIPE SIZE 2 INCHES I.D., AND CONFORM TO AASHTO M 181.

ALL HARDWARE INCLUDING BUT NOT LIMITED TO PLATES, SCREWS, BOLTS, AND ETC. SHALL BE COMMERCIAL-GRADE GALVANIZED STEEL.

POSTS SHALL BE SET PER THE FIRST PARAGRAPH OF 606.03, AND SHALL IN NO INSTANCE BE ENCASED IN CONCRETE.

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

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

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

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

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

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

ITEM SPECIAL - MAILBOX SUPPORT SYSTEM, SINGLE 3 EACH
ITEM SPECIAL - MAILBOX SUPPORT SYSTEM, DOUBLE 2 EACH

ITEM 204 - PROOF ROLLING

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING, AS DIRECTED BY THE ENGINEER.

204 - PROOF ROLLING 3 HOUR.

FARM DRAINS

ALL FARM DRAINS, WHICH ARE ENCOUNTERED DURING CONSTRUCTION, SHALL BE PROVIDED WITH UNOBSTRUCTED OUTLETS. EXISTING COLLECTORS WHICH ARE LOCATED BELOW THE ROADWAY DITCH ELEVATIONS, AND WHICH CROSS THE ROADWAY, SHALL BE REPLACED WITHIN THE (RIGHT OF WAY) (CONSTRUCTION) LIMITS BY ITEM 611 CONDUIT, TYPE B, ONE COMMERCIAL SIZE LARGER THAN THE EXISTING CONDUIT.

EXISTING COLLECTORS AND ISOLATED FARM DRAINS, WHICH ARE ENCOUNTERED ABOVE THE ELEVATION OF ROADWAY DITCHES, SHALL BE OUTLETTED INTO THE ROADWAY DITCH BY 611 TYPE F CONDUIT. THE OPTIMUM OUTLET ELEVATION SHALL BE ONE FOOT ABOVE THE FLOWLINE ELEVATION OF THE DITCH. LATERAL FIELD TILES WHICH CROSS THE ROADWAY SHALL BE INTERCEPTED BY 611, TYPE E CONDUIT, AND CARRIED IN A LONGITUDINAL DIRECTION TO AN ADEQUATE OUTLET OR ROADWAY CROSSING.

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

EROSION CONTROL PADS SHALL BE PROVIDED AT THE OUTLET END OF ALL FARM DRAINS AS 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 SHALL BE 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 - 6" CONDUIT, TYPE B 200 FT.
611 - 6" CONDUIT, TYPE E 200 FT.
611 - 6" CONDUIT, TYPE F 200 FT.
611 - 8" CONDUIT, TYPE B 200 FT.
611 - 8" CONDUIT, TYPE E 200 FT.
611 - 8" CONDUIT, TYPE F 200 FT.

FIELD DRAINS

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY TO REMOVE AND REPLACE FIELD DRAINS ALONG U.S. 62 THAT MAY BE ENCOUNTERED DURING CONSTRUCTION.

202 - PIPE REMOVED 24" AND UNDER	1600 FT.
611 - 6" CONDUIT, TYPE F	1600 FT.
611 - INLET, SIDE DITCH	4 EACH

VEGETATED FILTER STRIP

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.

UNSTABLE OR UNSUITABLE SOILS FOR PAVEMENT STABILIZATION

THE FOLLOWING ITEMS AND QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER TO ADDRESS UNSTABLE OR UNSUITABLE SOILS ENCOUNTERED IN THE AREAS OF PAVEMENT CONSTRUCTION:

204 - EXCAVATION OF SUBGRADE,	400 CY
204 - GRANULAR MATERIAL, TYPE B	400 CY
204 - GEOTEXTILE FABRIC	1,200 SY

ITEM 623 CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN

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

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

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

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

BMP'S (SEE PROJECT SITE PLAN FOR INFO)
CULVERTS (INLET INVERT, OUTLET INVERT, TYPE, AND SIZE)
STORM SEWER OUTLETS (OUTLET INVERT, TYPE, AND SIZE)
CATCH BASIN, MANHOLES, AND INLETS
UNDERDRAIN OUTLETS
SIGNS (WITH DESCRIPTION)

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

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

IN ADDITION TO THE ABOVE REQUIREMENTS, SOME PROJECT CONTROL WILL BE DESTROYED OR WILL NEED SUPPLEMENTED DURING DIFFERENT PHASES OF CONSTRUCTION. ADDITIONAL MONUMENTS SHALL BE ESTABLISHED IN KIND TO PRIMARY PROJECT CONTROL. A MONUMENT VERIFICATION REPORT SHALL BE COMPLIED AT A MINIMUM ANNUALLY THROUGHOUT THE DURATION OF THE PROJECT. THIS REPORT IS DUE TO THE SURVEY DEPARTMENT OF ODOT'S DISTRICT 5 ON OR BEFORE NOVEMBER 1 EACH YEAR OF ONGOING CONSTRUCTION. THIS REPORT SHALL CONTAIN UNIQUE POINT NUMBERS, APPLICABLE COORDINATES, MONUMENT TYPE, AND CURRENT CONDITION. MONUMENT TYPE AND SPACING SHALL BE SIMILAR TO ORIGINAL PRIMARY PROJECT CONTROL.

ALL MATERIALS, LABOR, AND EQUIPMENT RELATED TO MAINTAINING USABLE CONTROL POINTS AND ASSOCIATED REPORTS SHALL BE INCLUDED IN ITEM 623 CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN.
(SEE NOTE ON SHEET P 6 FOR SURVEY PARAMETERS)

BENCHING OF FOUNDATION SLOPES

ALTHOUGH CROSS-SECTIONS INDICATE SPECIFIC WORK FOR EMBANKMENT FOUNDATIONS ON THE LEFT SIDE OF THE ROADWAY, 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.

GENERAL NOTES

DESIGN AGENCY 2LMN
DESIGNER JJR
REVIEWER ALL 7-8-21
PROJECT ID 109329
SHEET P 7 TOTAL P 87

LIC-62-0.49

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 9/28/2021 TIME: 11:17:15 AM USER: Josh_Rognon
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PLAN NOTE - ELECTRONIC TICKETING

PURPOSE:
PROVIDE ELECTRONIC MATERIAL TICKETS IN AN ELECTRONIC FORMAT DIRECTLY RECORDED FROM THE MATERIAL LOADING SOURCE.

PROVIDE ELECTRONIC MATERIAL TICKETS FOR THE FOLLOWING MATERIALS:

- ☐ *AGGREGATE*
- ☐ *ASPHALT CONCRETE*

THIS NOTE IN NO WAY SUPERSEDES ANY OTHER COMMERCIAL REGULATIONS OR ANY OTHER LEGAL REQUIREMENTS REGULATING THE TRANSPORTATION OF COMMERCIAL MATERIALS.

REQUIREMENTS:
AT THE PRE-CONSTRUCTION MEETING, SUBMIT AN ELECTRONIC TICKETING PLAN TO THE ENGINEER DESCRIBING THE PROPOSED ELECTRONIC TICKET DELIVERY METHOD. THE ELECTRONIC MATERIAL TICKET SHALL CONTAIN INFORMATION AS REQUIRED PER THE APPLICABLE MATERIAL SPECIFICATION FOR WEIGHT MEASUREMENT AND OTHER MATERIAL CHARACTERISTICS; PROVIDE AN EXAMPLE(S) OR A "MOCK-UP" OF THE PROPOSED ELECTRONIC TICKET TO SHOW THE DETAILS ON WHAT IS TO BE TRANSMITTED TO THE DEPARTMENT. NAMING OF THE ELECTRONIC MATERIAL TICKET FILES SHALL BE DISTINCT SUCH THAT THE TICKET'S REPRESENTED MATERIAL IS EASILY DETERMINED; INCLUDE THE PROPOSED NAMING CONVENTION. DELIVERY MAY BE THROUGH A PRODUCER WEBSITE UPLOAD ACCESSIBLE TO THE ENGINEER, ODOT PROJECT SPECIFIC SHAREPOINT DOCUMENTATION SITE UPLOAD, OR ANOTHER SECURE ELECTRONIC TRANSMITTAL MEANS. EMAILING OF A TICKET TO AN ODOT CONTACT IS ACCEPTABLE BUT IS NOT PREFERRED. THE ELECTRONIC TICKETING PLAN SHALL IDENTIFY A CONTINGENCY METHOD FOR MANUALLY CAPTURING AND DELIVERING TICKET INFORMATION IF ELECTRONIC TRANSMISSION IS TEMPORARILY UNAVAILABLE. AN ELECTRONIC TICKETING PLAN WHICH INCLUDES SOLELY THE USE OF DIGITAL PHOTOS OF PAPER TICKETS IS NOT ACCEPTABLE.

THE DEPARTMENT RECOGNIZES THAT VARIOUS DIGITAL TICKETING SYSTEMS MAY BE COMMERCIALLY AVAILABLE AND USED TO ACCOMMODATE INDIVIDUAL CONTRACTORS AND MATERIAL SUPPLIER CAPABILITIES. THE CONTRACTOR MAY PROVIDE A DIGITAL TICKETING SYSTEM GIVING SECURE ACCESS TO ORGANIZED DIGITAL DATA. IF UTILIZED, THE DIGITAL TICKETING SYSTEM MAY ALSO BE ACCESSIBLE BY REAL-TIME MONITORING WITH A MOBILE COMMUNICATION DEVICE SUCH AS A TABLET, SMARTPHONE, ETC. THROUGH MOBILE DEVICE APPLICATIONS ("MOBILE APP") IF ACCEPTABLE TO THE DEPARTMENT. IF A DIGITAL TICKETING SYSTEM REQUIRES A MOBILE APP, THE MOBILE APP SHALL BE AT NO COST TO THE DEPARTMENT. THE DIGITAL DATA MUST BE ABLE TO BE EXPORTED IN A FORMAT USABLE BY THE ENGINEER UPON REQUEST (I.E. MICROSOFT WORD, MICROSOFT EXCEL, PDF FORMATS).

DELIVER EACH ELECTRONIC MATERIAL TICKET TO THE ENGINEER PRIOR TO THE PLACEMENT OF MATERIAL, BUT NOT PRIOR TO THE LOADING OF MATERIAL AT THE SOURCE.

PROVIDE THE ENGINEER A DAILY MATERIAL SUMMARY REPORT BY THE END OF THE DAY'S HAULING ACTIVITIES, OR AT A TIME AS APPROVED BY THE ENGINEER. THE DAILY MATERIAL SUMMARY REPORT INCLUDES SUMMARY INFORMATION LISTED FOR EACH MATERIAL AS OUTLINED IN THE RESPECTIVE MATERIAL SPECIFICATION.

PAYMENT:
COSTS FOR THE ELECTRONIC TICKETING SHALL BE INCIDENTAL TO THE PROJECT.

GENERAL NOTES

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 1-6-22

PROJECT ID
109329

SHEET P 7A | TOTAL P 87

LIC-62-0.49

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ITEM 614 - MAINTAINING TRAFFIC

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, LATEST REVISION.

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

THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL FLAGS, FLAGGERS, BARRICADES, SIGNS, SIGN SUPPORTS AND INCIDENTALS RELATED TO TRAFFIC CONTROL.

SIGNS FURNISHED SHALL BE IN NEW OR LIKE NEW CONDITIONS. LIKE NEW SIGNS SHALL BE SUBJECT TO THE APPROVAL OF THE PROJECT ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE AT ALL TIMES FOR PROVIDING AND MAINTAINING LIGHTS, SIGNS, AND BARRICADES FOR THE MAINTENANCE OF TRAFFIC AND SAFETY OF HIS/HER WORK AT THE LOCATIONS SHOWN ON THESE PLANS OR AS DIRECTED BY THE ENGINEER.

ALL ADVANCE WARNING SIGNS FOR ANY CONDITION WHICH RESTRICTS TRAFFIC SHALL BE ERECTED BEFORE ANY SUCH RESTRICTION IS PUT INTO EFFECT. ALL SUCH SIGNS SHALL BE COVERED OR REMOVED FROM THE VIEW OF TRAFFIC WHEN THEY ARE NOT APPLICABLE, AS DETERMINED BY THE ENGINEER.

IF THE CONTRACTOR FAILS TO COMPLY WITH THE PROVISIONS FOR TRAFFIC CONTROL AS SET FORTH IN THESE PLANS AND PROVISIONS OF THE OMUTCD AND THE FAILURE RESULTS IN A CONDITION AT THE WORK SITE WHICH IS UNSAFE FOR TRAFFIC, THE ENGINEER SHALL SUSPEND WORK UNTIL THE CONTRACTOR COMPLIES WITH THE NECESSARY REQUIREMENTS.

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.

TRENCH FOR WIDENING

TRENCH EXCAVATION FOR BASE WIDENING SHALL BE ONLY ON ONE SIDE OF THE PAVEMENT AT A TIME. THE OPEN TRENCH SHALL BE ADEQUATELY MAINTAINED AND PROTECTED WITH DRUMS OR BARRICADES AT ALL TIMES. PLACEMENT OF PROPOSED SUBBASE AND BASE MATERIAL SHALL FOLLOW AS CLOSELY AS POSSIBLE BEHIND EXCAVATION OPERATIONS. THE LENGTH OF WIDENING TRENCH WHICH IS OPEN AT ANY ONE TIME SHALL BE HELD TO A MINIMUM AND SHALL AT ALL TIMES BE SUBJECT TO APPROVAL OF THE ENGINEER.

OVERNIGHT TRENCH CLOSING

THE BASE WIDENING SHALL BE COMPLETED TO A DEPTH OF NO MORE THAN 5" INCHES BELOW THE EXISTING PAVEMENT BY THE END OF EACH WORK DAY. NO TRENCH SHALL BE LEFT OPEN OVERNIGHT EXCEPT FOR A SHORT LENGTH (25 FEET OR LESS) OF A WORK SECTION AT THE END OF THE TRENCH. IN CASE WORK MUST BE SUSPENDED BECAUSE OF INCLEMENT WEATHER OR OTHER REASONS, THE TRENCH FOR THE UNCOMPLETED BASE WIDENING SHALL BE BACKFILLED AT THE DIRECTION OF THE ENGINEER.

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 18 M. GAL.

ITEM 614, REPLACEMENT SIGN

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

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

AN ESTIMATED QUANTITY OF 10 EACH HAS BEEN PROVIDED IN THE GENERAL SUMMARY.

CONSTRUCTION TRAFFIC

ALL CONSTRUCTION TRAFFIC SHALL USE ACCEPTABLE TRUCK ROUTES TO ACCESS THE CONSTRUCTION AREA. USE OF LOCAL RESIDENTIAL STREETS IS STRICTLY PROHIBITED UNLESS ALLOWED IN WRITING BY THE LOCAL ENFORCEMENT AUTHORITY.

SUSPENSION OF WORK

IF THE CONTRACTOR FAILS TO COMPLY WITH THE PROVISIONS FOR TRAFFIC CONTROL AS SET FORTH IN THESE PLANS OR WITH PROVISIONS OF THE "MANUAL", THE ENGINEER SHALL SUSPEND WORK UNTIL THE CONTRACTOR COMPLIES WITH THE NECESSARY REQUIREMENTS.

COVERING OF SIGNS

WHERE THE PLANS CALL FOR OR AS DIRECTED BY THE PROJECT ENGINEER FOR A PERMANENT SIGN TO BE COVERED, THE CONTRACTOR SHALL DO SO IN SUCH A MANNER AS TO AVOID DAMAGING THE PERMANENT SIGN WHEN THE COVER IS REMOVED. THE COVER SHALL BE TOTALLY OPAQUE. THE USE OF ADHESIVE TAPE APPLIED DIRECTLY TO A SIGN FACE IS STRICTLY PROHIBITED. COST FOR THE WORK AS DESCRIBED ABOVE SHALL BE PAID WITH THE LUMP SUM CONTRACT PRICE FOR ITEM 614 - MAINTAINING TRAFFIC.

ITEM 614 - DETOUR SIGNING

THE CONTRACTOR SHALL SUPPLY, ERECT, MAINTAIN AND REMOVE THE DETOUR SIGNING. ROUTE SIGNS DESIGNATED SHALL BE INSTALLED PRIOR TO THE ROAD BEING CLOSED TO TRAFFIC.
PAYMENT SHALL BE FOR ALL MATERIALS, LABOR , INCIDENTALS AND EQUIPMENT FOR FURNISHING , PROPER SIGN PLACEMENT AND SIZING, TIMELY ERECTING AND/OR UNCOVERING OF SIGNS MAINTAINING SIGNS, AND TIMELY COVERING AND/OR REMOVING SIGNS AND SUPPORTS.
FOR DETAILS SEE SHEET P 11.

THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY .

ITEM 614 DETOUR SIGNING LUMP SUM

NOTIFICATION OF CONSTRUCTION INITIATION

AT LEAST FOURTEEN DAYS TO STARTING INITIAL CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL ADVISE THE DISTRICT OFFICE OF COMMUNICATIONS VIA EMAIL AT D5.PIO@DOT.OHIO.GOV, AND THE CENTRAL OFFICE SPECIAL HAUL PERMITS SECTION BY FAX AT (614)728-4099 OF THE ANTICIPATED START DATE OF ANY CONSTRUCTION ACTIVITIES INCLUDING BUT NOT LIMITED TO THE PLACING OF WORK ZONE SIGNS. THE NOTIFICATION SHALL ALSO INCLUDE THE PROJECT NUMBER, PID, NAME AND PHONE NUMBER OF THE CONTRACTOR, A POINT OF CONTACT AND THE ANTICIPATED IMPACT ON TRAFFIC. THE CONTRACTOR WILL IMMEDIATELY INFORM THE THE DISTRICT OFFICE OF COMMUNICATIONS OF ANY AND ALL DELAYS AND/OR CHANGES REGARDING THE CONSTRUCTION INITIATION DATE.

PUBLIC OUTREACH AND NOTIFICATION (ROAD CLOSURE)

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE DISTRICT 5 PUBLIC INFORMATION OFFICE VIA EMAIL AT D5.PIO@DOT.OHIO.GOV TO COORDINATE EFFORTS TO NOTIFY ALL LOCAL COUNTY, STATE AND FEDERAL EMERGENCY SERVICES, SCHOOL DISTRICTS AND ADJACENT RESIDENTS AND BUSINESSES OF THE UPCOMING CLOSURE. ADVANCE NOTIFICATION SHALL OCCUR NO LATER THAN FOURTEEN (14) DAYS PRIOR TO CLOSING THE ROAD. IF, SUBSEQUENT TO THE ADVANCE NOTIFICATION, THE START DATE IS CHANGED, THEN A NEW SEVEN (7) DAY NOTIFICATION WILL BE REQUIRED. THE ROAD CANNOT BE CLOSED UNLESS PRIOR NOTIFICATION HAS BEEN ACCOMPLISHED. THE SAME PARTIES SHALL BE NOTIFIED WHEN THE CLOSURE HAS CONCLUDED AND THE ROAD IS BACK OPEN TO TRAFFIC. ALL NOTIFICATION SHALL BE MADE UTILIZING THE TEMPLATE PROVIDED BY THE DISTRICT 5 PUBLIC INFORMATION OFFICE.

COOPERATION BETWEEN CONTRACTORS

THE STATE OF OHIO HAS CONTRACTED PROJECT LIC-62-3.64 PID 110861, WHICH MAY BE CONSTRUCTED CONCURRENTLY WITH THIS PROJECT. IT IS IMPERATIVE THAT THE CONTRACTORS COOPERATE FULLY WITH EACH OTHER AS OUTLINED IN SECTION 105.08 OF THE CMS MANUAL. ALL MAINTENANCE OF TRAFFIC SHALL BE COORDINATED BETWEEN PROJECTS AND NOT CONFLICT WITH ONE ANOTHER.

ITEM 614, WORK ZONE IMPACT ATTENUATOR FOR 24" WIDE HAZARDS (UNIDIRECTIONAL OR BIDIRECTIONAL)

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING A NONGATING IMPACT ATTENUATOR. FURNISH AN IMPACT ATTENUATOR FROM THE OFFICE OF ROADWAY ENGINEERING'S APPROVED LIST FOR WORK ZONE IMPACT ATTENUATORS, FROM THE ROADWAY STANDARDS APPROVED PRODUCTS WEB PAGE.

INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE CONTRACTOR SHALL REPAIR OR REPLACE A DAMAGED UNIT WITHIN 24 HOURS OF A DAMAGING IMPACT.

WHEN BIDIRECTIONAL DESIGNS ARE SPECIFIED, THE CONTRACTOR SHALL SUPPLY APPROPRIATE TRANSITIONS.

WHEN GATING IMPACT ATTENUATORS ARE DESIRED, THE CONTRACTOR SHALL SUBMIT DOCUMENTATION TO THE ENGINEER FOR ACCEPTANCE.

THE COST FOR THE ADDITIONAL BARRIER REQUIRED FOR A GATING IMPACT ATTENUATOR SHALL BE INCLUDED IN THE COST OF THE GATING IMPACT ATTENUATOR.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT AND MAINTAIN A COMPLETE AND FUNCTIONAL IMPACT ATTENUATOR SYSTEM, INCLUDING ALL RELATED BACKUPS, TRANSITIONS, LEVELING PADS, HARDWARE AND GRADING, NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

DESIGNATED LOCAL DETOUR ROUTE

IN ADDITION TO THE OFFICIAL, SIGNED DETOUR ROUTE, A LOCAL ROUTE HAS BEEN DETERMINED TO BE THE SECONDARY, UNSIGNED DETOUR ROUTE OR "DESIGNATED LOCAL DETOUR ROUTE." THIS ROUTE IS SHOWN ON SHEET NO. P 11 . DURING THE TIME THAT TRAFFIC IS DETOURED, THE CONTRACTOR SHALL MAINTAIN THIS ROUTE IN A CONDITION WHICH IS REASONABLY SMOOTH AND FREE FROM HOLES, RUTS, RIDGES, BUMPS, DUST AND STANDING WATER. ONCE THE DETOUR IS REMOVED AND TRAFFIC RETURNED TO ITS NORMAL PATTERN, THE DESIGNATED LOCAL DETOUR ROUTE SHALL BE RESTORED TO A CONDITION THAT IS EQUIVALENT TO THAT WHICH EXISTED PRIOR TO ITS USE FOR THIS PURPOSE. ALL SUCH WORK SHALL BE PERFORMED WHEN AND AS DETERMINED BY THE ENGINEER.

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

ITEM 304, AGGREGATE BASE 5 CU. YD.
ITEM 441, ASPHALT CONCRETE SURFACE COURSE,
TYPE 1, (448) PG 64-22 5 CU. YD.

MAINTENANCE OF TRAFFIC - GENERAL NOTES

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 8 | TOTAL P 87

LIC-62-0.49

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 9/28/2021 TIME: 11:17:30 AM USER: Josh_Rognon
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ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGNS, AS PER PLAN

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

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

THE PROBABLE PCMS LOCATIONS AND WORK LIMITS FOR THOSE LOCATIONS ARE SHOWN ON SHEET P 11 OF THE PLAN. PLACEMENT, OPERATION, MAINTENANCE AND ALL ACTIVATION OF THE SIGNS BY THE CONTRACTOR SHALL BE AS DIRECTED BY THE ENGINEER. THE PCMS SHALL BE LOCATED IN A HIGHLY VISIBLE POSITION YET PROTECTED FROM TRAFFIC. THE CONTRACTOR SHALL, AT THE DIRECTION OF THE ENGINEER, RELOCATE THE PCMS TO IMPROVE VISIBILITY OR ACCOMMODATE CHANGED CONDITIONS. WHEN NOT IN USE, THE PCMS SHALL BE TURNED OFF. ADDITIONALLY, WHEN NOT IN USE FOR EXTENDED PERIODS OF TIME, THE PCMS SHALL BE TURNED AWAY FROM ALL TRAFFIC.

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

(THE CONTRACTOR SHALL IMPLEMENT A SYSTEM WHEREBY CHANGEABLE MESSAGES WILL BE IMPLEMENTED WITHIN 4 HOURS FOLLOWING TELEPHONE NOTIFICATION FROM THE PROJECT ENGINEER TO A DESIGNATED PHONE.)

ALL MESSAGES TO BE DISPLAYED ON THE SIGN WILL BE PROVIDED BY THE ENGINEER. A LIST OF ALL REQUIRED 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.

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

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

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

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

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN __18__ SIGN MONTH ASSUMING __6__ PCMS SIGN(S) FOR __3__ MONTH(S)

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

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

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

- *DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.*
- *DURING A TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR THE FLOW OF TRAFFIC, OR WHEN TRAFFIC NEEDS TO BE DIRECTED THROUGH AN ENERGIZED TRAFFIC SIGNAL CONTRARY TO THE SIGNAL DISPLAY (E.G., DIRECTING MOTORISTS THROUGH A RED LIGHT).*

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

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

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

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

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

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

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

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

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

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE 150 HOURS

THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF A LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

MAINTENANCE OF TRAFFIC - GENERAL NOTES

LIC-62-0.49

DESIGN AGENCY
2LMN
DESIGNER
JJR
REVIEWER
ALL 7-8-21
PROJECT ID
109329
SHEET P 9
TOTAL P 87

SEQUENCE OF OPERATIONS

PHASE 1 WILL INCLUDE THE CONSTRUCTION OF WIDENING ON THE SOUTH SIDE OF U.S. 62 INCLUDING WORK ON BEECH ROAD AND GREEN CHAPEL ROAD UNDER FULL DETOUR.

INSTALL THE NECESSARY TRAFFIC CONTROL DEVICES AND DETOUR U.S. 62 AS SHOWN ON SHEET P 11.

CONSTRUCT ROADWAY WIDENING ON THE SOUTH SIDE OF U.S. 62, EXCLUDING SURFACE COURSE, AND ALL WORK ON BEECH ROAD, GREEN CHAPEL ROAD AND ALL DRIVEWAYS. INSTALL ALL DRAINAGE ITEMS ALONG THE SOUTH SIDE OF U.S. 62.

REMOVE THE EXISTING 15" CONDUIT BELOW U.S. 62 LOCATED FROM STA. 26+36.81, 19.2' LT. TO STA. 26+83.32, 20.1' RT.

CONSTRUCT THE PROPOSED 14"x23" CONDUIT LOCATED AT STA. 34+75.00, 26' RT. TO STA. 34+75.0, 45.88' LT.

DURING THIS PHASE, ACCESS TO ALL DRIVEWAYS WITHIN THE WORK ZONE MUST BE MAINTAINED AT ALL TIMES.

PHASE 2 WILL INCLUDE THE CONSTRUCTION OF WIDENING ON THE NORTH SIDE OF U.S. 62.

INSTALL THE NECESSARY TRAFFIC CONTROL DEVICES PER MT-102.10, INSTALL PCB AND INSTALL TEMPORARY PAVEMENT MARKINGS AS SHOWN ON SHEETS P.13 - P.15. REOPEN U.S. 62 TO TWO-WAY TRAFFIC AND SHIFT TRAFFIC TOWARDS THE SOUTH SIDE OF U.S. 62 UTILIZING THE NEWLY CONSTRUCTED WIDENED PAVEMENT CONSTRUCTED IN PHASE 1.

CONSTRUCT ROADWAY WIDENING ON THE NORTH SIDE OF U.S. 62 EXCLUDING SURFACE COURSE . INSTALL ALL DRAINAGE ITEMS ALONG THE NORTH SIDE OF U.S. 62.

PHASE 3 WILL INCLUDE MILLING AND FILLING U.S. 62.

INSTALL THE NECESSARY TRAFFIC CONTROL DEVICES PER MT-97.12. UNDER FLAGGERS, MILL THE EXISTING PAVEMENT ALONG U.S. 62 AND INSTALL THE FINAL PAVEMENT COURSES.

INSTALL PERMANENT PAVEMENT MARKINGS, PERMANENT SIGNAGE AND REOPEN U.S. 62 TO NORMAL TRAFFIC OPERATIONS.

A+B BIDDING CONTRACT TABLE

USE THE FOLLOWING INFORMATION IN COMBINATION WITH THE PROPOSAL NOTE A+B BIDDING:
THE CONTRACTOR WILL BID THE NUMBER OF CALENDAR DAYS TO COMPLETE THE PROJECT AS LISTED IN THE PROPOSAL.

CONTRACT SEGMENT - LOCATION OF CRITICAL WORK	MINIMUM DAYS	MAXIMUM DAYS	INCENTIVE/ DISINCENTIVE $ PER DAY	MAXIMUM INCENTIVE $
PHASE 1 - CLOSURE OF U.S. 62	21	35	$5,000	$55,000

ITEM 614, MAINTAINING TRAFFIC (LANES OPEN DURING HOLIDAYS OR SPECIAL EVENTS)

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

CHRISTMAS — FOURTH OF JULY
NEW YEAR'S — LABOR DAY
MEMORIAL DAY — THANKSGIVING

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

DAY OF HOLIDAY OR EVENT	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH 6:00AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00AM TUESDAY
TUESDAY	12:00N MODAY THROUGH 6:00AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00AM FRIDAY
THURSDAY (THANKSGIVING ONLY)	6:00AM WEDNESDAY THROUGH 6:00AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00AM MONDAY

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

ITEM 614, MAINTAINING TRAFFIC (NOTICE OF CLOSURE SIGN)

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

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

NOTICE OF CLOSURE SIGN TIME TABLE

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

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

ITEM 614, MAINTAINING TRAFFIC (ESTIMATED QUANTITIES)

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DETERMINED BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC.

ITEM 410, TRAFFIC COMPACTED SURFACE, TYPE A OR B 25 CU. YD.
ITEM 410, TRAFFIC COMPACTED SURFACE, TYPE C 25 CU. YD.
ITEM 614, ASPHALT CONCRETE FOR MAINTAINING TRAFFIC 50 CU. YD.
ITEM 616, WATER 25 M. GAL.

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

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

NOTIFICATION OF TRAFFIC RESTRICTIONS TIME TABLE

ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
RAMP & ROAD CLOSURES	≥ 2 WEEKS	21 CALENDAR DRAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	≤ 12 HOURS	4 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	≥ 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

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

DELINEATION OF PORTABLE AND PERMANENT BARRIER

BARRIER REFLECTORS AND OBJECT MARKERS SHALL BE INSTALLED ON ALL PORTABLE BARRIER (PB) USED FOR TRAFFIC CONTROL; AND, ON PERMANENT CONCRETE BARRIER (INCLUDING BRIDGE PARAPETS) LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE.

BARRIER REFLECTORS SHALL CONFORM TO C&MS 626, EXCEPT THAT THE SPACING SHALL BE AS PER TRAFFIC SCD MT-101.70. OBJECT MARKERS AND THEIR INSTALLATION SHALL CONFORM TO C&MS 614.03 AND SCD MT-101.70. WHEN THE PB CONTAINS GLARE SCREEN, ONE SET OF THREE VERTICAL STRIPES OF SHEETING SHALL BE CONSIDERED EQUIVALENT TO AN OBJECT MARKER, ONE-WAY.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE PLANS AND CARRIED TO THE GENERAL SUMMARY:

ITEM 614, BARRIER REFLECTOR, TYPE 1, BI-DIRECTIONAL 41 EACH

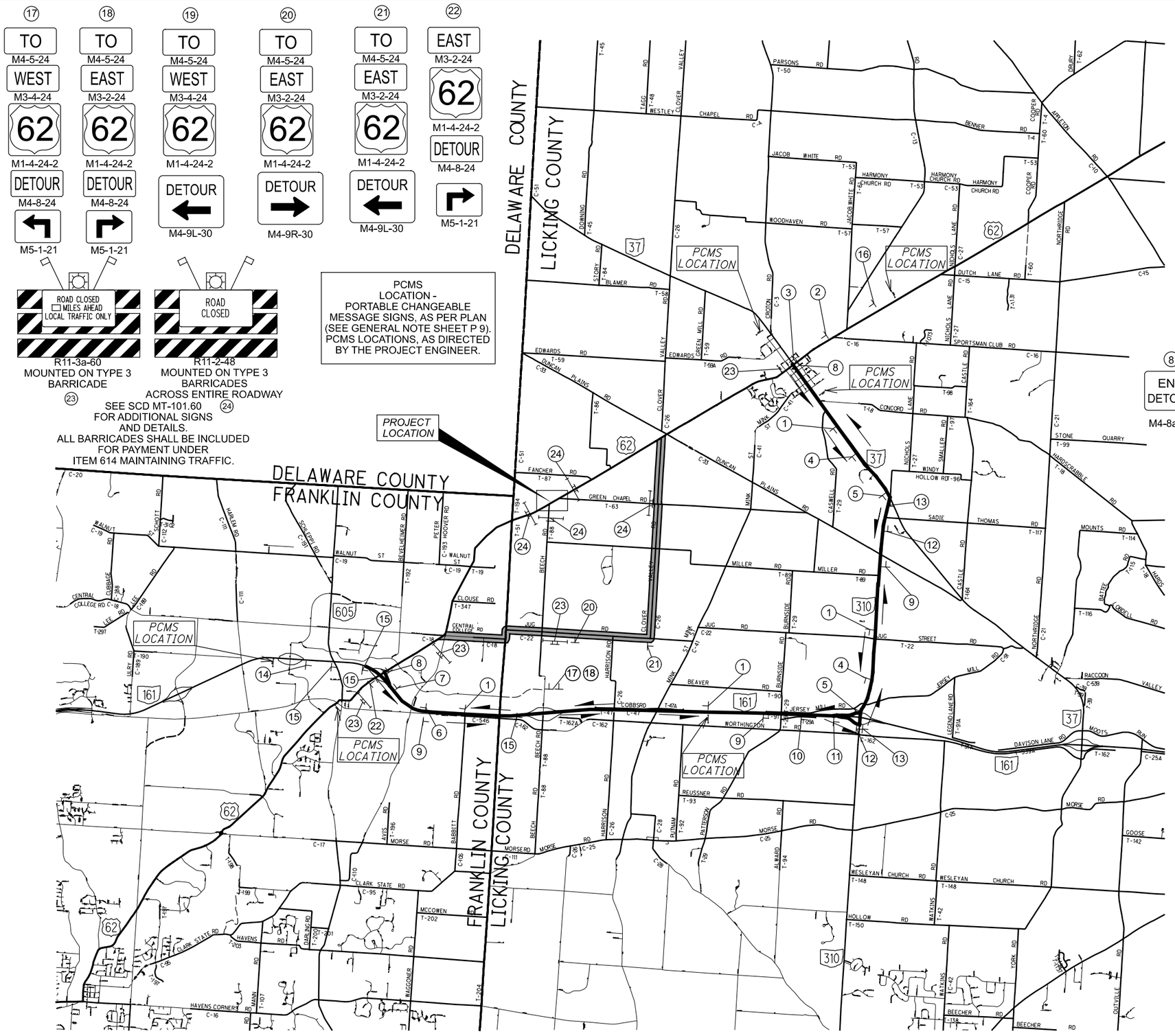
ITEM 614, OBJECT MARKER, TWO-WAY 41 EACH

PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIAL, LABOR, INCIDENTALS AND EQUIPMENT NECESSARY FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING EACH OF THE ABOVE ITEMS.

MAINTENANCE OF TRAFFIC - GENERAL NOTES

DESIGN AGENCY
2LMN
DESIGNER JJR
REVIEWER ALL 7-8-21
PROJECT ID 109329
SHEET P 10 TOTAL P 87

LIC-62-0.49



(17) TO M4-5-24 / WEST M3-4-24 / 62 M1-4-24-2 / DETOUR M4-8-24 / M5-1-21

(18) TO M4-5-24 / EAST M3-2-24 / 62 M1-4-24-2 / DETOUR M4-8-24 / M5-1-21

(19) TO M4-5-24 / WEST M3-4-24 / 62 M1-4-24-2 / DETOUR M4-9L-30

(20) TO M4-5-24 / EAST M3-2-24 / 62 M1-4-24-2 / DETOUR M4-9R-30

(21) TO M4-5-24 / EAST M3-2-24 / 62 M1-4-24-2 / DETOUR M4-9L-30

(22) EAST M3-2-24 / 62 M1-4-24-2 / DETOUR M4-8-24 / M5-1-21

ROAD CLOSED
MILES AHEAD
LOCAL TRAFFIC ONLY
R11-3a-60
MOUNTED ON TYPE 3 BARRICADE
(23)

ROAD CLOSED
R11-2-48
MOUNTED ON TYPE 3 BARRICADES ACROSS ENTIRE ROADWAY
(24)

SEE SCD MT-101.60 FOR ADDITIONAL SIGNS AND DETAILS.
ALL BARRICADES SHALL BE INCLUDED FOR PAYMENT UNDER ITEM 614 MAINTAINING TRAFFIC.

PCMS LOCATION - PORTABLE CHANGEABLE MESSAGE SIGNS, AS PER PLAN (SEE GENERAL NOTE SHEET P 9). PCMS LOCATIONS, AS DIRECTED BY THE PROJECT ENGINEER.

(1) WEST M3-4-24 / 62 M1-4-24-2 / DETOUR M4-8-24

(2) WEST M3-4-24 / 62 M1-4-24-2 / DETOUR M4-8-24 / M5-1-21

(3) WEST M3-4-24 / 62 M1-4-24-2 / DETOUR M4-9L-30

(4) WEST M3-4-24 / 62 M1-4-24-2 / DETOUR M4-8-24 / M5-1-21

(5) WEST M3-4-24 / 62 M1-4-24-2 / DETOUR M4-9R-30

(6) WEST M3-4-24 / 62 M1-4-24-2 / DETOUR M4-8-24 / M5-2-21

(7) WEST M3-4-24 / 62 M1-4-24-2 / DETOUR M4-8-24 / M6-2-21

(8) END DETOUR M4-8a-24

(9) EAST M3-2-24 / 62 M1-4-24-2 / DETOUR M4-8-24

(10) EAST M3-2-24 / 62 M1-4-24-2 / DETOUR M4-8-24 / M5-2-21

(11) EAST M3-2-24 / 62 M1-4-24-2 / DETOUR M4-8-24 / M6-2-21

(12) EAST M3-2-24 / 62 M1-4-24-2 / DETOUR M4-8-24 / M5-1-21

(13) EAST M3-2-24 / 62 M1-4-24-2 / DETOUR M4-9L-30

(14) EAST M3-2-24 / 62 M1-4-24-2 / DETOUR M4-8-24 / AHEAD W16-9P-24

(15) EAST M3-2-24 / 62 M1-4-24-2 / DETOUR M4-8-24 / M6-3-21

(16) WEST M3-4-24 / 62 M1-4-24-2 / DETOUR M4-8-24 / AHEAD W16-9P-24

HORIZONTAL SCALE IN FEET
0 2000 4000 8000

DETOUR MAP U.S. 62

DESIGN AGENCY 2LMN

DESIGNER JJR

REVIEWER ALL 7-8-21

PROJECT ID 109329

SHEET P 11 | TOTAL P 87

LIC-62-0.49

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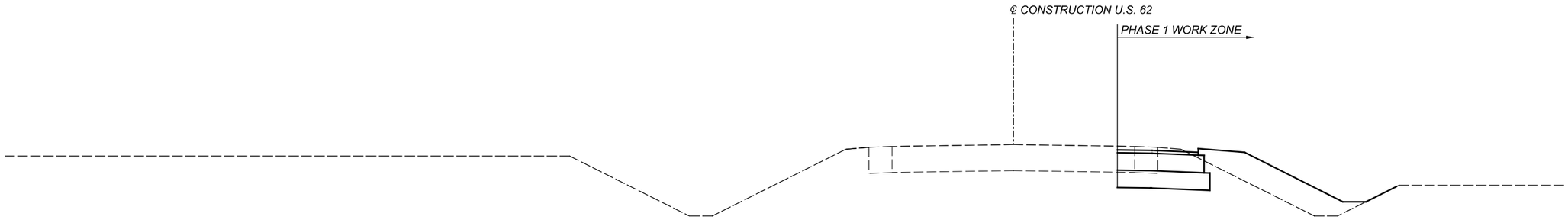
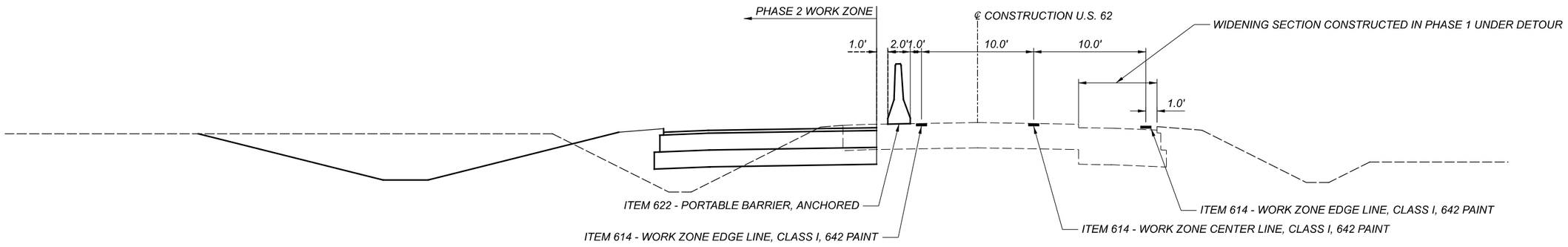
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Licking\109329\401-Engineering.2LMN\MOT\Sheets\109329_M0001.dgn



PHASE 1 MAINTENANCE OF TRAFFIC - UNDER DETOUR



PHASE 2 MAINTENANCE OF TRAFFIC

MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 12 | TOTAL P 87

LIC-62-0.49

MODEL: Sheet PAPERSIZE: 17x11(in) DATE: 9/28/2021 TIME: 11:18:28 AM USER: Josh_Rognon
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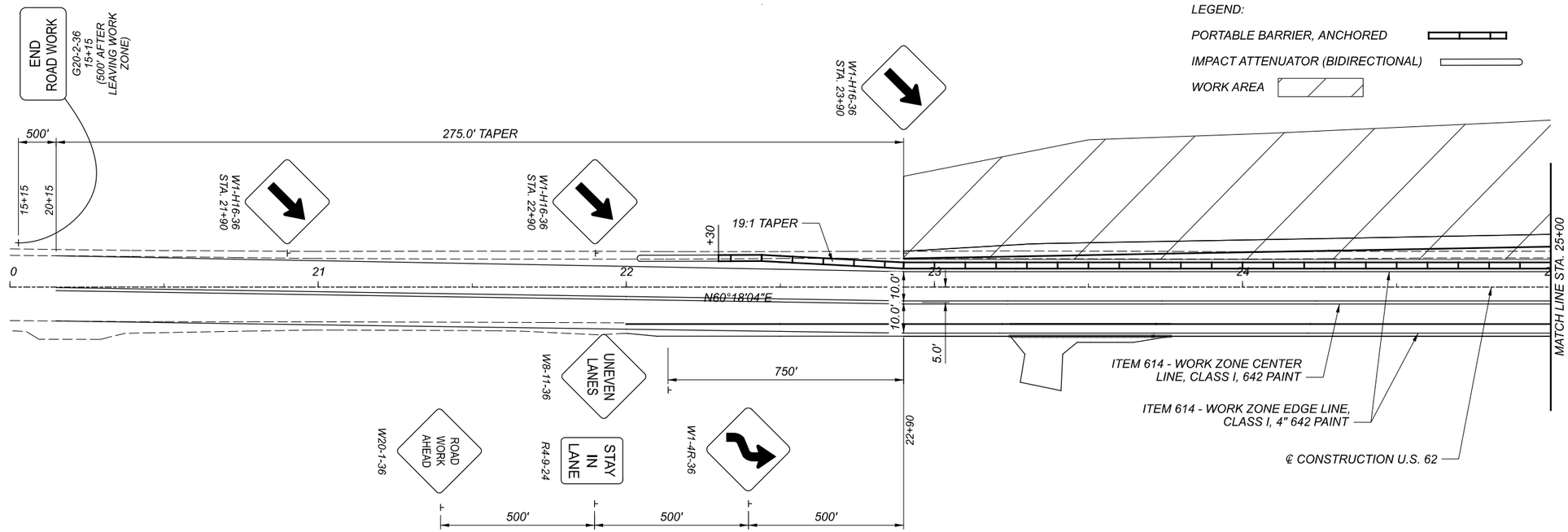

HORIZONTAL SCALE IN FEET
0 10 20 40

U.S. 62
MAINTENANCE OF TRAFFIC - PHASE 2

DESIGN AGENCY
2LMN

DESIGNER	JJR
REVIEWER	ALL 7-8-21
PROJECT ID	109329
SHEET	P 13
TOTAL	P 87

LIC-62-0.49

MODEL: Plan (Sheet) PAPERSIZE: 17x11 (in.) DATE: 9/28/2021 TIME: 11:18:49 AM USER: Josh.Rognon
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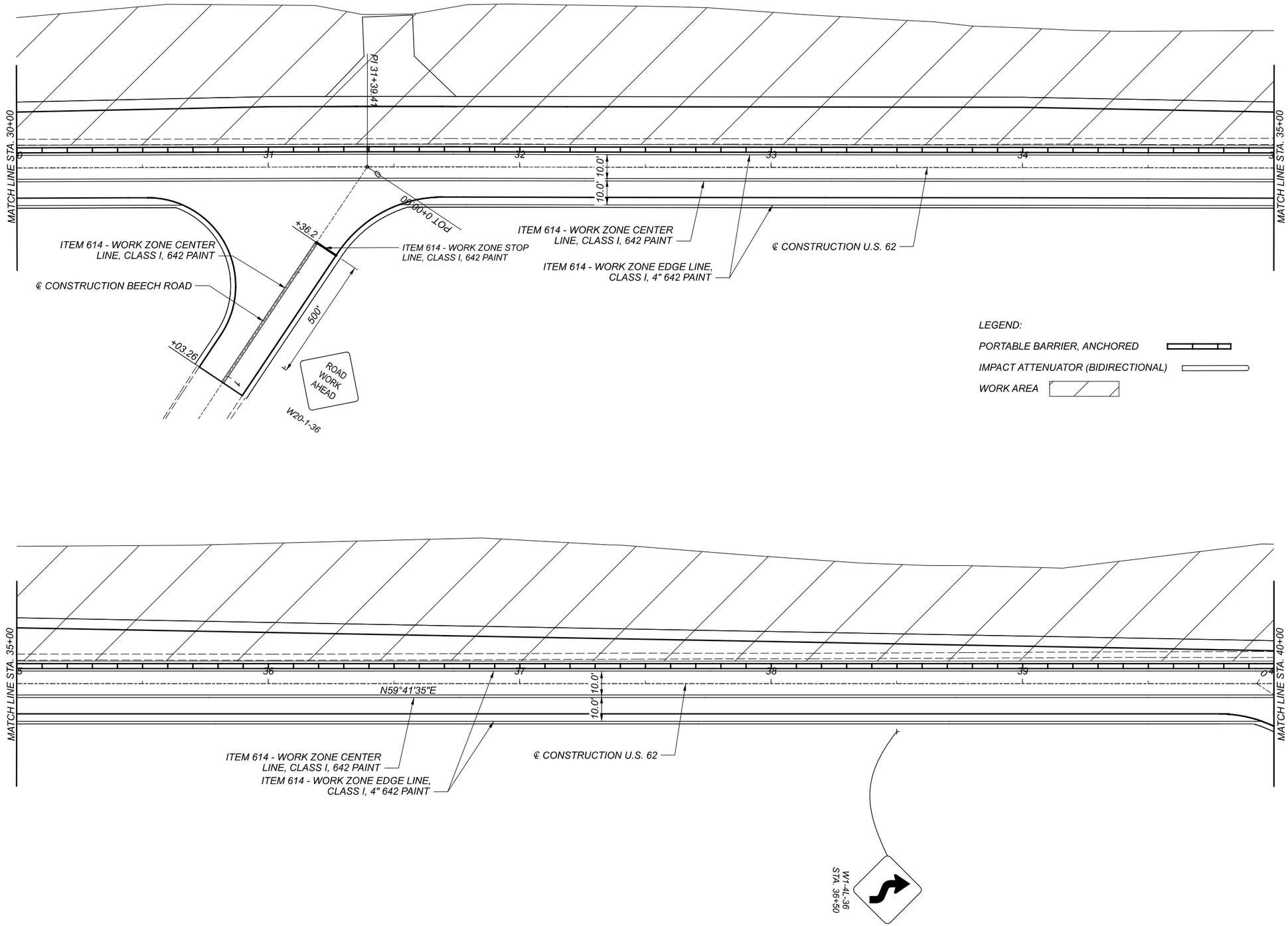


HORIZONTAL SCALE IN FEET
0 10 20 40

U.S. 62
MAINTENANCE OF TRAFFIC - PHASE 2

DESIGN AGENCY
2LMN

DESIGNER JJR
REVIEWER ALL 7-8-21
PROJECT ID 109329
SHEET P 14 TOTAL P 87

LIC-62-0.49

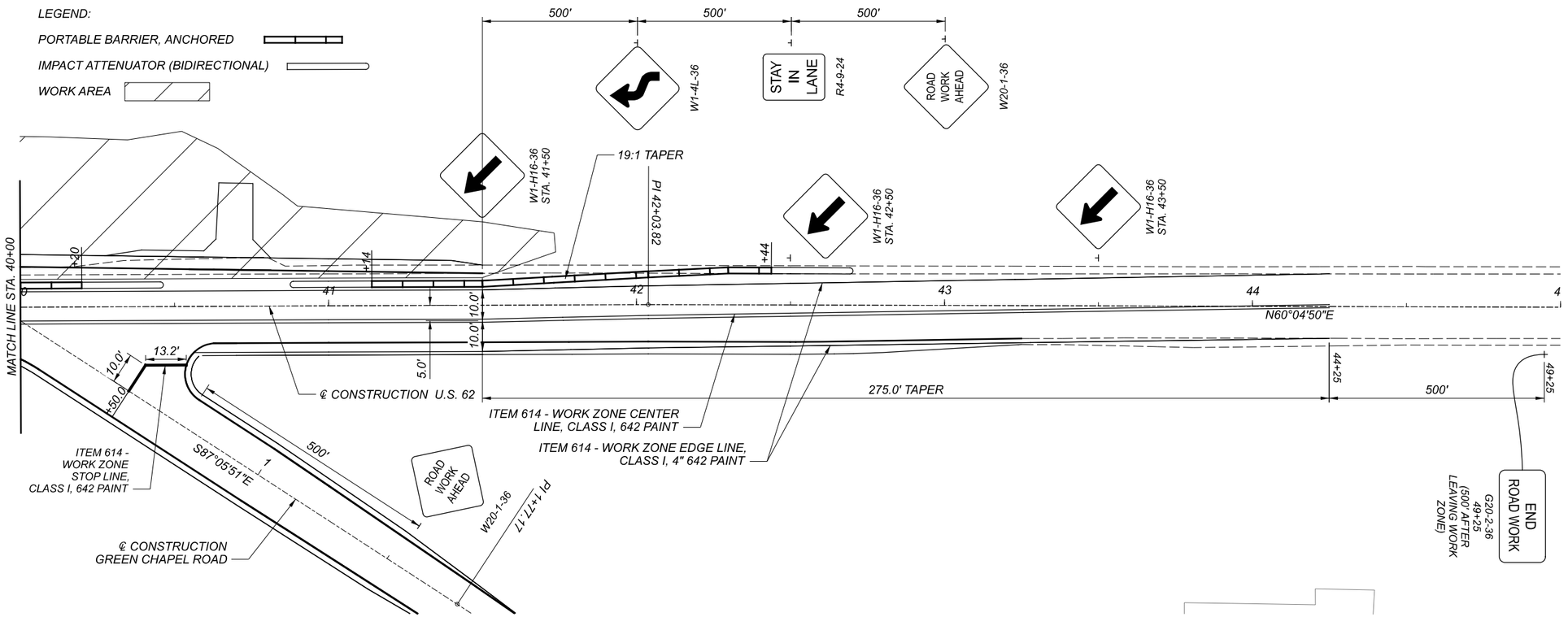
MODEL: Plan 3 (Sheet) PAPERSIZE: 17x11(in) DATE: 9/28/2021 TIME: 11:18:51 AM USER: Josh.Rognon
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Licking\109329\401-Engineering.2LMN\MOT\Sheets\109329_MP001.dgn

LEGEND:

PORTABLE BARRIER, ANCHORED

IMPACT ATTENUATOR (BIDIRECTIONAL)

WORK AREA



HORIZONTAL SCALE IN FEET

0 10 20 40

U.S. 62
MAINTENANCE OF TRAFFIC - PHASE 2

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 15 TOTAL P 87

LIC-62-0.49

MODEL:Plan 5 [Sheet] PAPERSIZE:17x11(in) DATE:9/28/2021 TIME:11:18:52 AM USER:Josh.Rognon
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01Active Projects\District 05\Licking\109329\40i-Engineering.2LMN\MOT\Sheets\109329_MP001.dgn

STATION TO STATION			614 WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL) EACH	614 BARRIER REFLECTOR, TYPE 1 BIDIRECTIONAL EACH	614 OBJECT MARKER, TWO WAY EACH	614 WORK ZONE CENTER LINE, CLASS I MILE	614 WORK ZONE EDGE LINE, CLASS I, 4" MILE	614 WORK ZONE STOP LINE, CLASS I FT		622 PORTABLE BARRIER, ANCHORED FT
US 62										
20+15.00	TO	44+25.00					0.456			
20+15.00	TO	44+25.00					0.456			
20+15.00	TO	44+25.00				0.456				
22+30	TO	40+20	2	37	37					1790
41+14	TO	42+44	2	4	4					130
BEECH ROAD										
0+36.2								12		
0+36.2	TO	1+03.26				0.013				
GREEN CHAPEL ROAD										
0+54.8								23.2		
# CARRIED TO SHEET P 10										
TOTALS CARRIED TO GENERAL SUMMARY			4	# 41	# 41	0.47	0.91	36		1920

MAINTENANCE OF TRAFFIC SUBSUMMARY

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 16 | TOTAL P 87

LIC-62-0.49

SHEET NUM.													PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P 6	P 7	P 20	P 21	P 22	P 23	P 24	P 25	P 26	P 27	P 28	P 50	P 70	01/SAF/PV						
																		ROADWAY	
LS													LS	201	11000	LS		CLEARING AND GRUBBING	
						2							2	202	20010	2	EACH	HEADWALL REMOVED	
		1,550	275	409	30								2,264	202	23000	2,264	SY	PAVEMENT REMOVED	
	1,600					719							2,319	202	35100	2,319	FT	PIPE REMOVED, 24" AND UNDER	
						2							2	202	58100	2	EACH	CATCH BASIN REMOVED	
						2							2	202	58500	2	EACH	CATCH BASIN ABANDONED	
	78												78	SPECIAL	20270110	78	FT	PIPE CLEANOUT, 24" AND UNDER	P 7
						853							853	202	75000	853	FT	FENCE REMOVED	
						1							1	202	75250	1	EACH	GATE REMOVED	
					13						5,857		5,870	203	10000	5,870	CY	EXCAVATION	
					3						3,072		3,075	203	20000	3,075	CY	EMBANKMENT	
											1,601		1,601	203	35130	1,601	CY	GRANULAR MATERIAL, TYPE D	
		4,775	406	536	127								5,844	204	10000	5,844	SY	SUBGRADE COMPACTION	
	400												400	204	13000	400	CY	EXCAVATION OF SUBGRADE	
	400												400	204	30010	400	CY	GRANULAR MATERIAL, TYPE B	
	3												3	204	45000	3	HOUR	PROOF ROLLING	
	1,200										5,183		6,383	204	50000	6,383	SY	GEOTEXTILE FABRIC	
												20	20	623	40520	20	EACH	RIGHT-OF-WAY MONUMENT	
	3												3	SPECIAL	69050100	3	EACH	MAILBOX SUPPORT SYSTEM, SINGLE	P 7
	2												2	SPECIAL	69050200	2	EACH	MAILBOX SUPPORT SYSTEM, DOUBLE	P 7
																		EROSION CONTROL	
									18				18	601	21050	18	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	
							3						3	601	32200	3	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	
1,171								277					1,448	659	00300	1,448	CY	TOPSOIL	
13,043													13,043	659	00500	13,043	SY	SEEDING AND MULCHING, CLASS 1	
652													652	659	14000	652	SY	REPAIR SEEDING AND MULCHING	
1.82													1.82	659	20000	1.82	TON	COMMERCIAL FERTILIZER	
2.69													2.69	659	31000	2.69	ACRE	LIME	
72													72	659	35000	72	MGAL	WATER	
								2,486					2,486	670	00500	2,486	SY	SLOPE EROSION PROTECTION	
											1,501		1,501	671	15080	1,501	SY	EROSION CONTROL MAT, TYPE I	
										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	
										35,520			35,520	832	30000	35,520	EACH	EROSION CONTROL	

GENERAL SUMMARY

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 17 | TOTAL P 87

LIC-62-0.49

SHEET NUM.													PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P 6	P 7	P 8	P 20	P 21	P 22	P 23	P 25	P 27					01/SAF/PV						
																		DRAINAGE	
							2						2	602	20000	2	CY	CONCRETE MASONRY	
								302					302	605	13300	302	FT	6" UNCLASSIFIED PIPE UNDERDRAINS	
								3,471					3,471	605	14000	3,471	FT	6" BASE PIPE UNDERDRAINS	
							10						10	611	00400	10	FT	4" CONDUIT, TYPE E	
	200												200	611	00900	200	FT	6" CONDUIT, TYPE B	
								93					93	611	00510	93	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	
150													150	611	01400	150	FT	6" CONDUIT, TYPE E, FOR DRAINAGE CONNECTION	
	200												200	611	01400	200	FT	6" CONDUIT, TYPE E	
150													150	611	01500	150	FT	6" CONDUIT, TYPE F, FOR DRAINAGE CONNECTION	
	1,800												1,800	611	01500	1,800	FT	6" CONDUIT, TYPE F	
	200												200	611	01800	200	FT	8" CONDUIT, TYPE B	
	200												200	611	02500	200	FT	8" CONDUIT, TYPE E	
150													150	611	02500	150	FT	8" CONDUIT, TYPE E, FOR DRAINAGE CONNECTION	
	200												200	611	02600	200	FT	8" CONDUIT, TYPE F	
150													150	611	02600	150	FT	8" CONDUIT, TYPE F, FOR DRAINAGE CONNECTION	
							103						103	611	04200	103	FT	12" CONDUIT, TYPE A, 707.01 ALUMINIZED, 706.02 OR 707.33	
							74						74	611	05700	74	FT	15" CONDUIT, TYPE A, 707.01 ALUMINIZED, 706.02 OR 707.33	
							50						50	611	05900	50	FT	15" CONDUIT, TYPE B	
							64						64	611	06100	64	FT	15" CONDUIT, TYPE C	
							202						202	611	07900	202	FT	18" CONDUIT, TYPE D	
							72						72	611	52200	72	FT	14" X 23" CONDUIT, TYPE A, 706.04	
							1						1	611	98470	1	EACH	CATCH BASIN, NO. 2-2B	
	4												4	611	98700	4	EACH	INLET, SIDE DITCH	
								10					10	611	99710	10	EACH	PRECAST REINFORCED CONCRETE OUTLET	
																		PAVEMENT	
			3,783										3,783	252	01500	3,783	FT	FULL DEPTH PAVEMENT SAWING	
			1,695										1,695	254	01000	1,695	SY	PAVEMENT PLANING, ASPHALT CONCRETE (1.25")	
			3,720										3,720	254	01000	3,720	SY	PAVEMENT PLANING, ASPHALT CONCRETE (2.25")	
8			714	64	82								868	301	46000	868	CY	ASPHALT CONCRETE BASE, PG64-22	
						13							13	301	48000	13	CY	ASPHALT CONCRETE BASE, PG64-22 (DRIVEWAYS)	
		5	749	66	85	23							928	304	20000	928	CY	AGGREGATE BASE	
			1,246	45	58	8							1,357	407	20000	1,357	GAL	NON-TRACKING TACK COAT	
		5											5	441	50000	5	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	
			332	13	17								362	441	50100	362	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M	
			219	11	14								244	441	50200	244	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448)	
						5							5	441	50400	5	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), (DRIVEWAYS)	

GENERAL SUMMARY

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 18 | TOTAL P 87

LIC-62-0.49

SHEET NUM.													PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P 7	P 8	P 9	P 10	P 16	P 67	P 68							01/SAF/PV						
																		TRAFFIC CONTROL	
					0.89								0.89	618	41000	0.89	MILE	RUMBLE STRIPES, EDGE LINE (ASPHALT CONCRETE)	
					0.74								0.74	618	43000	0.74	MILE	RUMBLE STRIPES, CENTER LINE (ASPHALT CONCRETE)	
					121								121	621	00100	121	EACH	RPM	
					26								26	621	54000	26	EACH	RAISED PAVEMENT MARKER REMOVED	
						149							149	630	03100	149	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
						2							2	630	08600	2	EACH	SIGN POST REFLECTOR	
						58							58	630	80100	58	SF	SIGN, FLAT SHEET	
						8							8	630	80500	8	EACH	SIGN, DOUBLE FACED, STREET NAME	
						11							11	630	84900	11	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
						10							10	630	86002	10	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
					0.93								0.93	644	00104	0.93	MILE	EDGE LINE, 6"	
					0.76								0.76	644	00300	0.76	MILE	CENTER LINE	
					200								200	644	00400	200	FT	CHANNELIZING LINE, 8"	
					34								34	644	00500	34	FT	STOP LINE	
					352								352	644	00700	352	FT	TRANSVERSE/DIAGONAL LINE	
					2								2	644	01300	2	EACH	LANE ARROW	
																		MAINTENANCE OF TRAFFIC	
			25										25	410	12000	25	CY	TRAFFIC COMPACTED SURFACE, TYPE A OR B	
			25										25	410	13000	25	CY	TRAFFIC COMPACTED SURFACE, TYPE C	
		150											150	614	11110	150	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	P 9
				4									4	614	12384	4	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	P 8
	LS												LS	614	12420	LS		DETOUR SIGNING	P 8
	10												10	614	12500	10	EACH	REPLACEMENT SIGN	
			50										50	614	13000	50	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
			41										41	614	13310	41	EACH	BARRIER REFLECTOR, TYPE 1, BI-DIRECTIONAL	
			41										41	614	13360	41	EACH	OBJECT MARKER, TWO WAY	
		18											18	614	18601	18	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	P 9
				0.47									0.47	614	21000	0.47	MILE	WORK ZONE CENTER LINE, CLASS I	
				0.91									0.91	614	22000	0.91	MILE	WORK ZONE EDGE LINE, CLASS I, 4"	
				36									36	614	26000	36	FT	WORK ZONE STOP LINE, CLASS I	
	18		25										43	616	10000	43	MGAL	WATER	
				1,920									1,920	622	41110	1,920	FT	PORTABLE BARRIER, ANCHORED	
																		INCIDENTALS	
	LS												LS	614	11000	LS		MAINTAINING TRAFFIC	
													7	619	16010	7	MNTH	FIELD OFFICE, TYPE B	
LS													LS	623	10001	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN	P 7
													LS	624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY
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DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 19 | TOTAL P 87

LIC-62-0.49

STATION RANGE			TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA	441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M (1.25")	441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448) (1")	301 ASPHALT CONCRETE BASE, PG64-22 (6")	304 AGGREGATE BASE (6")	407 NON-TRACKING TACK COAT (.09 GAL/S.Y.)	407 NON-TRACKING TACK COAT (.06 GAL/S.Y.)	407 NON-TRACKING TACK COAT (VERTICAL FACE @ 0.09 GAL/SY)	254 PAVEMENT PLANING, ASPHALT CONCRETE(2.25")	204 SUBGRADE COMPACTION	202 PAVEMENT REMOVED	254 PAVEMENT PLANING, ASPHALT CONCRETE(1.25")	252 FULL DEPTH PAVEMENT SAWING						
U.S. 62					FT	FT	SQ YD	SQ YD	CY	CY	CY	CY	GAL	GAL	GAL	SY	SY	SY	SY	FT								
20+00.00	TO	22+90.00		RT. & LT.	290.00			835.00	29.00				75.20						835.00									
22+90.00	TO	41+50.00		RT. & LT.	1860.00	18.00	3720.00		129.17	103.33			334.80	223.20		3720.00												
22+00.00	TO	42+56.60		RT.	2056.60	3.00	685.53		23.80	19.04	114.26	114.26		82.26			685.53											
42+56.60	TO	43+25.00		RT	68.40	2.33	17.71		0.61	0.49	2.95	2.95		2.13			17.71											
22+90.00	TO	31+00.00		LT.	710.00	7.50	591.67		20.54	16.44	98.61	98.61		71.00			591.67											
31+00.00	TO	34+00.00		LT.	300.00	15.00	500.00		17.36	13.89	83.33	83.33		60.00			500.00											
34+00.00	TO	41+50.00		LT.	750.00	8.15	679.17		23.58	18.87	113.20	113.20		81.50			679.17											
22+90.00	TO	23+31.64		LT.	41.64	3.15	14.57		0.51	0.40				1.75														
					41.64	3.48	16.10				2.68																	
					41.64	3.98	18.41					3.07																
					41.64	4.65	21.51										21.51											
					41.64	1.00	4.63								0.42					41.64								
23+31.64	TO	41+40.00		LT.	1808.36	4.00	803.72		27.91	22.33				96.45														
					1808.36	4.33	870.02				145.00																	
					1808.36	4.83	970.49					161.75																
					1808.36	5.50	1105.11										1105.11											
					1808.36	1.00	200.93								18.08					1808.36								
41+40.00	TO	41+50.00		LT.	10.00	3.35	3.72		0.13	0.10				0.45														
					10.00	3.68	4.09				0.68																	
					10.00	4.18	4.64					0.77																
					10.00	4.85	5.39										5.39											
					10.00	1.00	1.11								0.10					10.00								
22+00.00	TO	22+10.00		RT.	10.00	3.50	3.89		0.14	0.10				0.47														
					10.00	3.83	4.26				0.71																	
					10.00	4.33	4.81					0.80																
					10.00	5.00	5.56										5.56											
					10.00	1.00	1.11								0.10					10.00								
22+10.00	TO	30+51.94		RT.	841.94	4.00	374.20		12.99	10.39				44.90														
					841.94	4.33	405.07				67.51																	
					841.94	4.83	451.84					75.31																
					841.94	5.50	514.52										514.52											
					841.94	1.00	93.55								8.42					841.94								
31+69.22	TO	39+78.37		RT.	809.15	4.00	359.62		12.49	9.99				43.15														
					809.15	4.33	389.29				64.88																	
					809.15	4.83	434.24					72.37																
					809.15	5.50	494.48										494.48											
					809.15	1.00	89.91								8.09					809.15								
40+63.33	TO	42+74.96		RT.	211.63	4.00	94.06		3.27	2.61				11.29														
					211.63	4.33	101.82				16.97																	
					211.63	4.83	113.57					18.93																
					211.63	5.50	129.33										129.33											
					211.63	1.00	23.51								2.11					211.63								
42+74.96	TO	43+25.00		RT.	50.04	2.98	16.57		0.58	0.46				1.99														
					50.04	3.31	18.40				3.07																	
					50.04	3.81	21.18					3.53																
					50.04	4.48	24.91										24.91											
					50.04	1.00	5.56								0.50					50.04								
41+50.00	TO	44+50.00		RT. & LT.	300.00			860.00	29.90				77.40						860.00									
22+00.00	TO	43+25.00		RT.	2125.00	3.50	826.39											826.39										
22+90.00	TO	41+50.00		LT.	1860.00	3.50	723.33											723.33										
				SUBTOTALS					331.98	218.44	713.85	748.88	487.40	720.54	37.82	3720.00	4774.89	1549.72	1695.00	3782.76									
TOTALS CARRIED TO GENERAL SUMMARY									332	219	714	749		1246		3720	4775	1550	1695	3783								

PAVEMENT CALCULATIONS

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 20 | TOTAL P 87

LIC-62-0.49

STATION RANGE			TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA	441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M (1.25")	441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448) (1")	301 ASPHALT CONCRETE BASE, PG64-22 (6")	304 AGGREGATE BASE (6")		407 NON-TRACKING TACK COAT (.06 GAL/S.Y.)		204 SUBGRADE COMPACTION	202 PAVEMENT REMOVED
					FT	FT	SQ YD	SQ YD	CY	CY	CY	CY		GAL		SY	SY
BEECH ROAD																	
0+14.48	TO	1+03.26		RT. & LT.	88.78	20.50	202.22		7.02	5.62	33.70	33.70		24.27		202.22	
RADIUS				RT	VAR.	VAR.		108.77	3.78	3.02	18.13	18.13		13.05		108.77	
RADIUS				LT.	VAR.	VAR.		12.11	0.42	0.34	2.02	2.02		1.45		12.11	
30+51.94 US 62	TO	0+87.89		RT.	75.75	VAR.		18.07	0.63	0.50				2.17			
					75.75	0.33		20.67			3.44						
					75.75	0.83		24.55				4.10					
					75.75	1.50		29.66								29.66	
0+87.89	TO	1+03.26		RT.	15.37	2.00	3.42		0.12	0.10				0.41			
					15.37	2.33	3.98				0.66						
					15.37	2.83	4.83					0.81					
					15.37	3.50	5.98									5.98	
0+34.92	TO	31+69.22 US 62		LT.	49.07	VAR.		12.75	0.44	0.35				1.53			
					49.07	0.33		14.46			2.41						
					49.07	0.83		17.03				2.84					
					49.07	1.50		20.44								20.44	
0+34.92	TO	1+03.26		LT.	68.34	2.00	15.19		0.53	0.42				1.82			
					68.34	2.33	17.69				2.95						
					68.34	2.83	21.49					3.58					
					68.34	3.50	26.58									26.58	
0+14.48	TO	1+03.26		LT. & RT.				275.00									275.00
SUBTOTALS									12.94	10.36	63.31	65.18		44.70		405.76	275.00
TOTALS CARRIED TO GENERAL SUMMARY									13	11	64	66		45		406	275

PAVEMENT CALCULATIONS

LIC-62-0.49

DESIGN AGENCY: 2LMN
DESIGNER: JJR
REVIEWER: ALL 7-8-21
PROJECT ID: 109329
SHEET: P 21 | TOTAL: P 87

STATION RANGE			TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA	441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M (1.25")	441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448) (1")	301 ASPHALT CONCRETE BASE, PG64-22 (6")	304 AGGREGATE BASE (6")		407 NON-TRACKING TACK COAT (.06 GAL/S.Y.)		204 SUBGRADE COMPACTION	202 PAVEMENT REMOVED
					FT	FT	SQ YD	SQ YD	CY	CY	CY	CY		GAL		SY	SY
GREEN CHAPEL ROAD																	
0+21.91	TO	1+00.00		RT. & LT.	78.09	20.00	173.53		6.03	4.82	28.92	28.92		20.82		173.53	
1+00.00	TO	2+00.00		RT. & LT.	100.00	18.50	205.56		7.14	5.71	34.26	34.26		24.67		205.56	
RADIUS				RT.	VAR.	VAR.		2.33	0.08	0.06	0.39	0.39		0.28		2.33	
RADIUS				LT.	VAR.	VAR.		23.03	0.80	0.64	3.84	3.84		2.76		23.03	
39+78.38 US 62	TO	0+21.54		RT.	27.63	VAR.		8.35	0.29	0.23				1.00			
					27.63	0.33		9.36			1.56						
					27.63	0.83		10.90				1.82					
					27.63	1.50		12.96								12.96	
0+21.54	TO	1+50.00		RT.	128.46	2.00	28.55		0.99	0.79				3.43			
					128.46	2.33	33.26				5.54						
					128.46	2.83	40.39					6.73					
					128.46	3.50	49.96									49.96	
1+50.00	TO	2+00.00		RT.	50.00	1.00	5.56		0.19	0.15				0.67			
					50.00	1.33	7.39				1.23						
					50.00	1.83	10.17					1.70					
					50.00	2.50	13.89									13.89	
0+70.72	TO	40+63.33 US 62		LT.	20.00	VAR.		5.93	0.21	0.16				0.71			
					20.00	0.33		6.66			1.11						
					20.00	0.83		7.77				1.30					
					20.00	1.50		9.26								9.26	
0+70.72	TO	1+50.00		LT.	79.28	2.00	17.62		0.61	0.49				2.11			
					79.28	2.33	20.52				3.42						
					79.28	2.83	24.93					4.16					
					79.28	3.50	30.83									30.83	
1+50.00	TO	2+00.00		LT.	50.00	1.00	5.56		0.19	0.15				0.67			
					50.00	1.33	7.39				1.23						
					50.00	1.83	10.17					1.70					
					50.00	2.50	13.89									13.89	
0+21.91	TO	2+00.00		RT. & LT.				409.00									409.00
								SUBTOTALS	16.53	13.20	81.50	84.82		57.12		535.24	409.00
								TOTALS CARRIED TO GENERAL SUMMARY	17	14	82	85		58		536	409

PAVEMENT CALCULATIONS

LIC-62-0.49

DESIGN AGENCY: 2LMN
DESIGNER: JJR
REVIEWER: ALL 7-8-21
PROJECT ID: 109329
SHEET: P 22 | TOTAL: P 87

REF NO.	SHEET NO.	STATION	SIDE	DRIVE TYPE	SURFACE TYPE	SURFACE AREA	204 SUBGRADE COMPACTION	441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), (DRIVEWAYS) (1.25")	301 ASPHALT CONCRETE BASE, PG64-22 (DRIVEWAYS) (3.5")	407 NON-TRACKING TACK COAT (.06 GAL./S.Y.)	304 AGGREGATE BASE (8")	202 PAVEMENT REMOVED	203 EXCAVATION	203 EMBANKMENT
						SQ YD	SY	CY	CY	GAL	CY	SY	CY	CY
DR-1	P 29 & P 61	23+40.00	RT.	RESIDENTIAL	GRAVEL	31.84	31.84	1.11	3.1	1.91			4	
DR-2	P 29 & P 61	25+18.00	RT.	RESIDENTIAL	ASPHALT	27.49	27.49	0.95	2.67	1.65		30		
DR-3	P 29 & P 61	26+10.00	RT.	RESIDENTIAL	GRAVEL	26.26	26.26	0.91	2.55	1.58			3	
DR-4	P 30 & P 61	31+50.00	LT.	FIELD	GRAVEL	99.57					22.13		1	3
DR-5	P 32 & P 61	40+69.00	LT.	RESIDENTIAL	GRAVEL	40.7	40.7	1.41	3.96	2.44			5	
SUBTOTALS							126.29	4.38	12.28	7.58	22.13	30	13	3
TOTALS CARRIED TO GENERAL SUMMARY							127	5	13	8	23	30	13	3

DRIVEWAY CALCULATIONS

LIC-62-0.49

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 9/28/2021 TIME: 11:20:46 AM USER: Josh_Rognon
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DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 23 | TOTAL P 87

REF NO.	SHEET NO.	STATION TO STATION			202 HEADWALL REMOVED EACH	202 PIPE REMOVED, 24" AND UNDER FT	202 CATCH BASIN REMOVED EACH	202 CATCH BASIN ABANDONED EACH	202 FENCE REMOVED FT	202 GATE REMOVED EACH
		US 62								
R-1	P 29	23+24.8 RT.	TO	23+45.7 RT.		21				
R-2	P 29	24+62.4 RT.	TO	25+09.0 RT.					53	
R-3	P 29	25+07.1 RT.	TO	25+28.2 RT.	2	21				
R-4	P 29	25+27.3 RT.	TO	25+67.8 RT.					53	
R-5	P 29 & P 30	25+92.3 RT.	TO	26+78.9 RT.		87				
R-6	P 29 & P 30	26+36.8 RT & LT	TO	26+83.3 RT & LT		61				
R-7	P 30	30+86.3 RT.	TO	31+51.9 RT.		66				
R-8	P 30 & P 31	31+22.4 LT.	TO	31+88.0 LT.		66				
R-9	P 31 & P 32	33+61.8 LT.	TO	40+51.8 LT.					747	1
R-10	P 31	34+28.9 LT.						1		
R-11	P 31	34+31.0 RT.						1		
R-12	P 32	39+41.8 LT.	TO	41+69.34 LT.		228	2			
R-13	P 32	39+96.4 RT.	TO	40+65.5 RT.		69				
		GREEN CHAPEL ROAD								
R-14	P 54	0+15.8	TO	1+15.4		100				
TOTALS CARRIED TO GENERAL SUMMARY					2	719	2	2	853	1

ROADWAY SUBSUMMARY

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 24 TOTAL P 87

LIC-62-0.49

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 9/28/2021 TIME: 11:21:00 AM USER: Josh_Rognon
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REF NO.	SHEET NO.	STATION TO STATION			601 ROCK CHANNEL PROTECTION, TYPE C WITH FILTER (CY)	611 4" CONDUIT, TYPE E (FT)	611 12" CONDUIT, TYPE A, 707.01 ALUMINIZED, 706.02 OR 707.33 (FT)	611 15" CONDUIT, TYPE A, 707.01 ALUMINIZED, 706.02 OR 707.33 (FT)	611 15" CONDUIT, TYPE B (FT)	611 15" CONDUIT, TYPE C (FT)	611 18" CONDUIT, TYPE D (FT)	611 14" X 23" CONDUIT, TYPE A, 706.04 (FT)	611 CATCH BASIN, NO. 2-2B (EACH)	602 CONCRETE MASONRY (CY)
		US 62												
D-1	P 29	23+18.79 RT.	TO	23+48.79 RT.							30			
D-2	P 29	25+02.07 RT.	TO	25+34.07 RT.							32			
D-3	P 29 & P 30	25+92.00 RT.	TO	26+80.00 RT.							84			
D-4	P 30 & P 31	31+20.08 LT.	TO	31+75.87 LT.							56			
D-5	P 31 & P 62	34+75.00 L&R			1.33							72		0.58
D-6	P 32	39+91.67 RT.	TO	40+65.42 RT.				74						0.5
D-7	P 32	40+57.51 LT.	TO	41+06.70	1.33				50					0.25
D-8	P32	41+06.70	TO	41+69.34		10				64			1	
		GREEN CHAPEL ROAD												
D-9	P54	0+14.44 RT. G.C.R.	TO	1+16.80			103							0.4
TOTALS CARRIED TO GENERAL SUMMARY					3	10	103	74	50	64	202	72	1	2.0

DRAINAGE SUBSUMMARY

LIC-62-0.49

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DESIGN AGENCY 2LMN
DESIGNER JJR
REVIEWER ALL 7-8-21
PROJECT ID 109329
SHEET P 25 TOTAL P 87

REF NO.	SHEET NO.	STATION TO STATION			659 TOPSOIL (4") CY	670 SLOPE EROSION PROTECTION SY
EC-1	P 29 & P 30	23+50	TO	29+90	163	1466
EC-2	P 31 & P 32	35+00	TO	39+50	114	1020
TOTALS CARRIED TO GENERAL SUMMARY					277	2486

EROSION CONTROL SUBSUMMARY

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 26 | TOTAL P 87

LIC-62-0.49

REF NO.	SHEET NO.	STATION TO STATION			605 6" UNCLASSIFIED PIPE UNDERDRAINS FT	605 6" BASE PIPE UNDERDRAINS FT	611 6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS FT	611 PRECAST REINFORCED CONCRETE OUTLET EACH	601 TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT SY
		US 62							
UD-1	P 29	22+10 RT.	TO	25+71 RT.		361	5	1	1.8
UD-2	P 29	22+90 LT.	TO	25+00 LT.		210	8	1	1.8
UD-3	P 29 & P 30	25+00 LT.	TO	30+00 LT.		500	14	1	1.8
UD-4	P 29 & P 30	25+71 RT.	TO	30+68 RT.		497	6	1	1.8
UD-5	P 30 & P 31	29+90 LT.	TO	34+70 LT		480	14	1	1.8
UD-6	P 30 & P 31	31+69 RT.	TO	34+71 RT.	302		6	1	1.8
UD-7	P 31 & P 32	34+80 RT.	TO	39+78 RT.		498	6	1	1.8
UD-8	P 31	34+80 LT.	TO	36+50 LT.		170	14	1	1.8
UD-9	P 31 & P 32	36+50 LT.	TO	41+50 LT.		500	14	1	1.8
UD-10	P 32 & P 33	40+70 RT.	TO	43+25 RT.		255	6	1	1.8
TOTALS CARRIED TO GENERAL SUMMARY					302	3471	93	10	18

UNDERDRAIN SUBSUMMARY

LIC-62-0.49

DESIGN AGENCY
2LMN

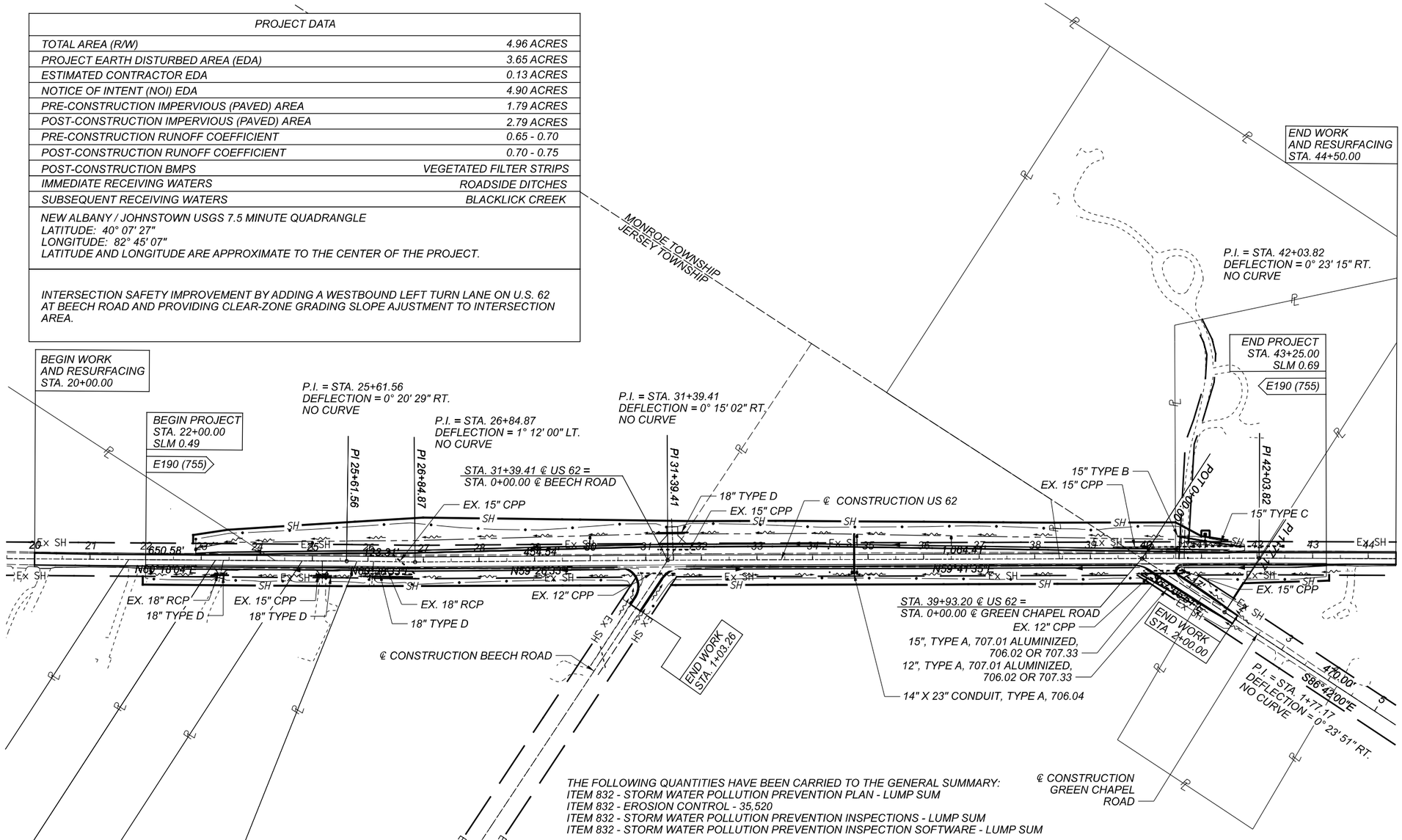
DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 27 | TOTAL P 87

PROJECT DATA	
TOTAL AREA (R/W)	4.96 ACRES
PROJECT EARTH DISTURBED AREA (EDA)	3.65 ACRES
ESTIMATED CONTRACTOR EDA	0.13 ACRES
NOTICE OF INTENT (NOI) EDA	4.90 ACRES
PRE-CONSTRUCTION IMPERVIOUS (PAVED) AREA	1.79 ACRES
POST-CONSTRUCTION IMPERVIOUS (PAVED) AREA	2.79 ACRES
PRE-CONSTRUCTION RUNOFF COEFFICIENT	0.65 - 0.70
POST-CONSTRUCTION RUNOFF COEFFICIENT	0.70 - 0.75
POST-CONSTRUCTION BMPS	VEGETATED FILTER STRIPS
IMMEDIATE RECEIVING WATERS	ROADSIDE DITCHES
SUBSEQUENT RECEIVING WATERS	BLACKLICK CREEK
NEW ALBANY / JOHNSTOWN USGS 7.5 MINUTE QUADRANGLE LATITUDE: 40° 07' 27" LONGITUDE: 82° 45' 07" LATITUDE AND LONGITUDE ARE APPROXIMATE TO THE CENTER OF THE PROJECT.	
INTERSECTION SAFETY IMPROVEMENT BY ADDING A WESTBOUND LEFT TURN LANE ON U.S. 62 AT BEECH ROAD AND PROVIDING CLEAR-ZONE GRADING SLOPE AJUSTMENT TO INTERSECTION AREA.	



THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:
ITEM 832 - STORM WATER POLLUTION PREVENTION PLAN - LUMP SUM
ITEM 832 - EROSION CONTROL - 35,520
ITEM 832 - STORM WATER POLLUTION PREVENTION INSPECTIONS - LUMP SUM
ITEM 832 - STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE - LUMP SUM

NOTE:
THE SPECIFICATIONS SET FOR IN THE MOST CURRENT VERSION OF ODOT'S CONSTRUCTION AND MATERIAL SPECIFICATIONS, LOCATION AND DESIGN MANUAL AND STANDARD DRAWINGS WILL BE USED TO ENSURE ADEQUATE EROSION AND SEDIMENT CONTROL DURING CONSTRUCTION. DISTURBED AREAS WILL BE RE-SEEDED. A STORM WATER POLLUTION PREVENTION PLAN WILL BE PREPARED AND A NOTICE OF INTENT (NOI) TO THE OEPA WILL BE SUBMITTED. THE NOI WILL SUBMITTED BY THE DISTRICT.

NOTE: ADD 4" OF ITEM 659 - TOPSOIL, TO THE GRASS PORTION OF THE SHOULDER AND FORESLOPE OF THE VEGETATED FILTER STRIPS. ITEM 670 SLOPE EROSION PROTECTION AS SHOWN ON TYPICAL SECTION DETAIL, SHEET P.3.

NAME	STATION		SIDE	LATITUDE / LONGITUDE		BMP WIDTH (FEET)	EDA TREATMENT CREDIT (ACRES)
	FROM	TO		FROM	TO		
VEGETATED FILTER STRIPS	23+50	29+90	LT.	40.265512 / 82.911412	40.265431 / 82.91034	18.5'	0.44
VEGETATED FILTER STRIPS	35+00	39+50	LT.	40.265420 / 82.910163	40.265365 / 82.909133	18.5'	0.31

TREATMENT PROVIDED	0.75
TREATMENT REQUIRED*	0.73

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

HORIZONTAL SCALE IN FEET
0 50 100 200

PROJECT SITE PLAN

DESIGN AGENCY 2LMN
DESIGNER JJR
REVIEWER ALL 7-8-21
PROJECT ID 109329
SHEET P 28 TOTAL P 87

LIC-62-0.49

BEGIN WORK AND RESURFACING STA. 20+00.00

BEGIN PROJECT STA. 22+00.00 S.L.M. 0.42

E190 (755)

BEGIN PAVEMENT TAPER LT. AND SHOULDER TAPER RT/ & LT. STA. 22+90.00

END SHOULDER TAPER LT. STA. 23+31.64

PROP. CONSTRUCTION LIMITS

PROPOSED SAW CUT

EC-1

△= 0° 20' 29" RT. STA. 25+61.56

UD-2 UD-3 CP-1 R-6

EXIST. 15" CONDUIT (TO BE REMOVED)

PI 25+61.56

MATCH LINE STA. 26+75.00

22 650.58' N60°18'04"E 23 24 PROPOSED SAW CUT 25 26 123.31' N60°38'33"E

STA 23+18.79 OFF 27' RT

STA 23+48.79 OFF 26.95' RT

STA 25+02.07 OFF 27.04' RT

STA 25+34.07 OFF 27.15' RT

STA 25+92.00 OFF 27' RT

79° 90° 86°

℄ CONSTRUCTION U.S. 62

18" RCP 15" CPP 18" RCP 15" CPP

30'-18" TYPE D 32'-18" TYPE D 84'-18" TYPE D

13.5' 11.7' 9.1'

END SHOULDER TAPER RT. STA. 22+10

BEGIN SHOULDER TAPER RT. STA. 22+00.00

DR-1 D-1 R-1 UD-1 R-2 D-2 DR-2 R-3 R-4 DR-3 R-5 UD-4 D-3

RESIDENTIAL DRIVE STA. 23+40.00 (GRAVEL)

RESIDENTIAL DRIVE STA. 25+18.00 (ASPHALT)

RESIDENTIAL DRIVE STA. 26+10.00 (GRAVEL)

EX. POWER/TELE POLE (DND)

PROP. CONSTRUCTION LIMITS

ITEM 202 - FENCE REMOVED

EXIST. 15" CONDUIT & 2 - EX. HEADWALLS (TO BE REMOVED)

EXIST. POWER & CABLE (TO REMAIN IN SERVICE)

EXIST. 18" CONDUIT (TO BE REMOVED)

VEGETATED FILTER STRIP AREA (ITEM 659 - 4" TOPSOIL ITEM 670- SLOPE EROSION PROTECTION)

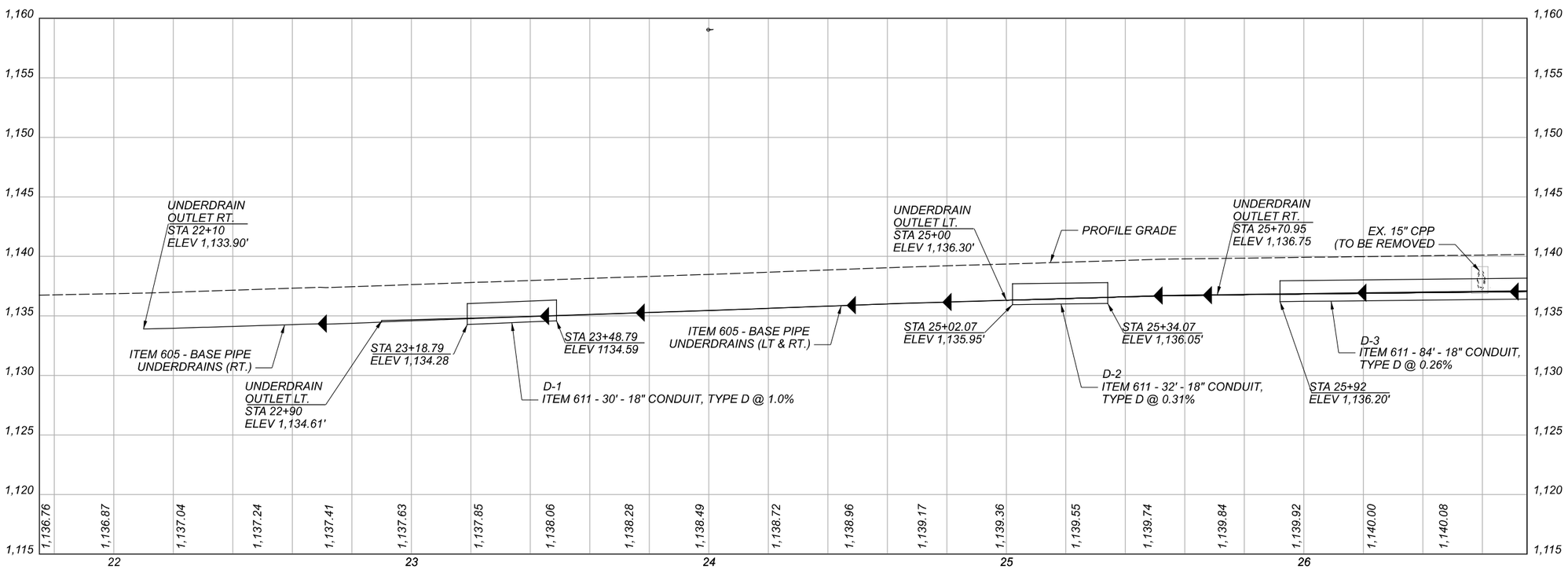
FOR DRIVE QUANTITIES SEE SHEET P 23
FOR REMOVAL QUANTITIES SEE SHEET P 24
FOR DRAINAGE QUANTITIES SEE SHEET P 25 & P 27
FOR EROSION CONTROL QUANTITIES SEE SHEET P 26

LEGEND

ITEM 605 6" BASE PIPE UNDERDRAIN

ITEM 611 PRECAST REINFORCED CONCRETE OUTLET

ITEM 601 TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT



HORIZONTAL SCALE IN FEET 0 10 20 40

PLAN AND PROFILE U.S. 62

DESIGN AGENCY 2LMN

DESIGNER JJR

REVIEWER ALL 7-8-21

PROJECT ID 109329

SHEET P 29 TOTAL P 87

LIC-62-0.49

MODEL: 109329_GP00 PAPERSIZE: 17x11(in.) DATE: 9/28/2021 TIME: 11:22:18 AM USER: Josh.Rognon
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FOR DRIVE QUANTITIES SEE SHEET P 23
FOR REMOVAL QUANTITIES SEE SHEET P 24
FOR DRAINAGE QUANTITIES SEE SHEET P 25 & P 27
FOR EROSION CONTROL QUANTITIES SEE SHEET P 26

△= 1° 12' 0" LT.
STA. 26+84.87

PI 26+84.87

MATCH LINE STA. 26+75.00

STA 26+80.00
OFF 27.11' RT

STA 31+20.08
OFF 49.31' LT

△= 0° 15' 2" RT.
STA. 31+39.41

END PAVEMENT TAPER
LT. STA. 31+00.00

FIELD DRIVE
STA. 31+50.00
(GRAVEL)

56'-18" TYPE D

EXIST. 15" CONDUIT
(TO BE REMOVED)

STA. 31+39.41 ℄ CONSTRUCTION U.S. 62 =
STA. 0+00.00 ℄ CONSTRUCTION BEECH ROAD

PI 31+39.41

15" CPP

MATCH LINE STA. 31+75.00

PROPOSED SAW CUT

℄ CONSTRUCTION U.S. 62

N59°26'33"E
454.54'

EXIST. 12" CONDUIT
(TO BE REMOVED)

12" CPP

55°59'22"

PROP. CONSTRUCTION LIMITS

EX. POWER/TELE POLE (DND)

EXIST. POWER & CABLR
(TO REMAIN IN SERVICE)

ITEM 605 -
UNCLASSIFIED
PIPE UNDERDRAIN (RT.)

LOCATION OF
RELOCATED FO
(DO NOT DISTURB)

S03°27'31"W
87.89'

+34.92

+69.22

+51.94

35' R.

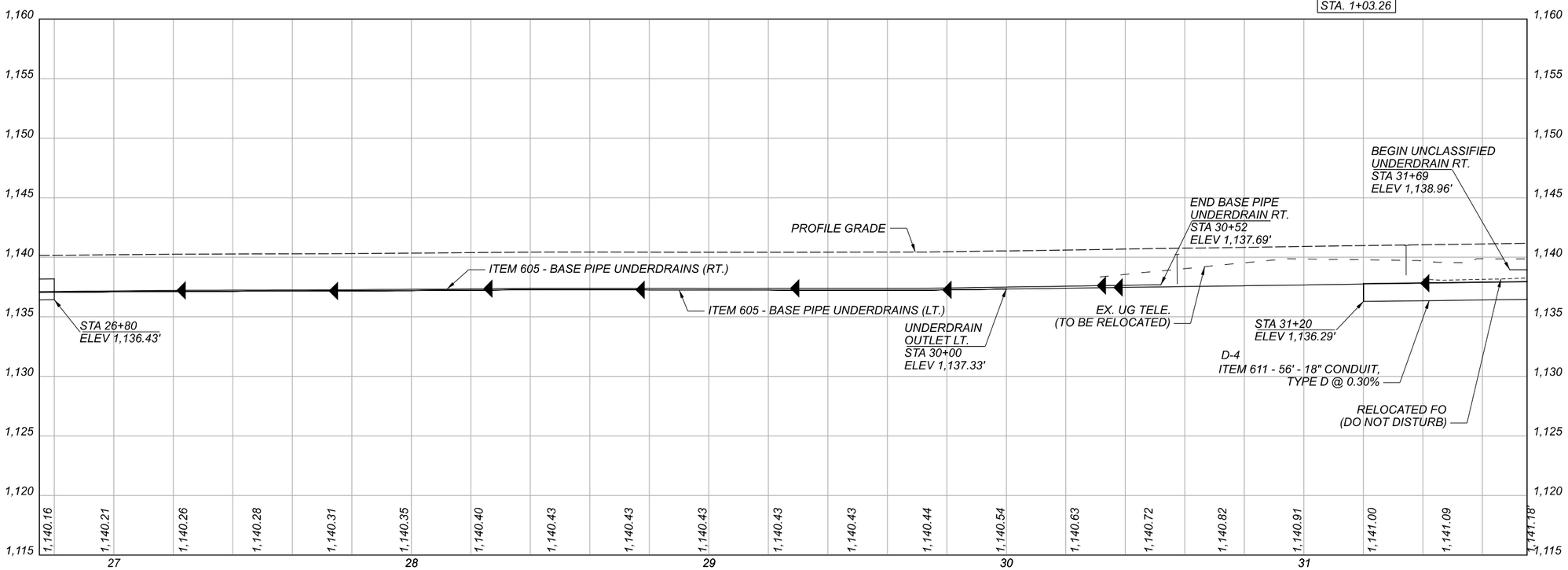
50' R.

℄ CONSTRUCTION BEECH ROAD

END WORK
STA. 1+03.26

LEGEND
ITEM 605 6" BASE PIPE UNDERDRAIN
ITEM 611 PRECAST REINFORCED CONCRETE OUTLET
ITEM 601 TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT

VEGETATED FILTER STRIP AREA
(ITEM 659 - 4" TOPSOIL
ITEM 670- SLOPE EROSION PROTECTION)



HORIZONTAL
SCALE IN FEET
0 10 20 40

PLAN AND PROFILE
U.S. 62

DESIGN AGENCY
2LMN

DESIGNER
JJR

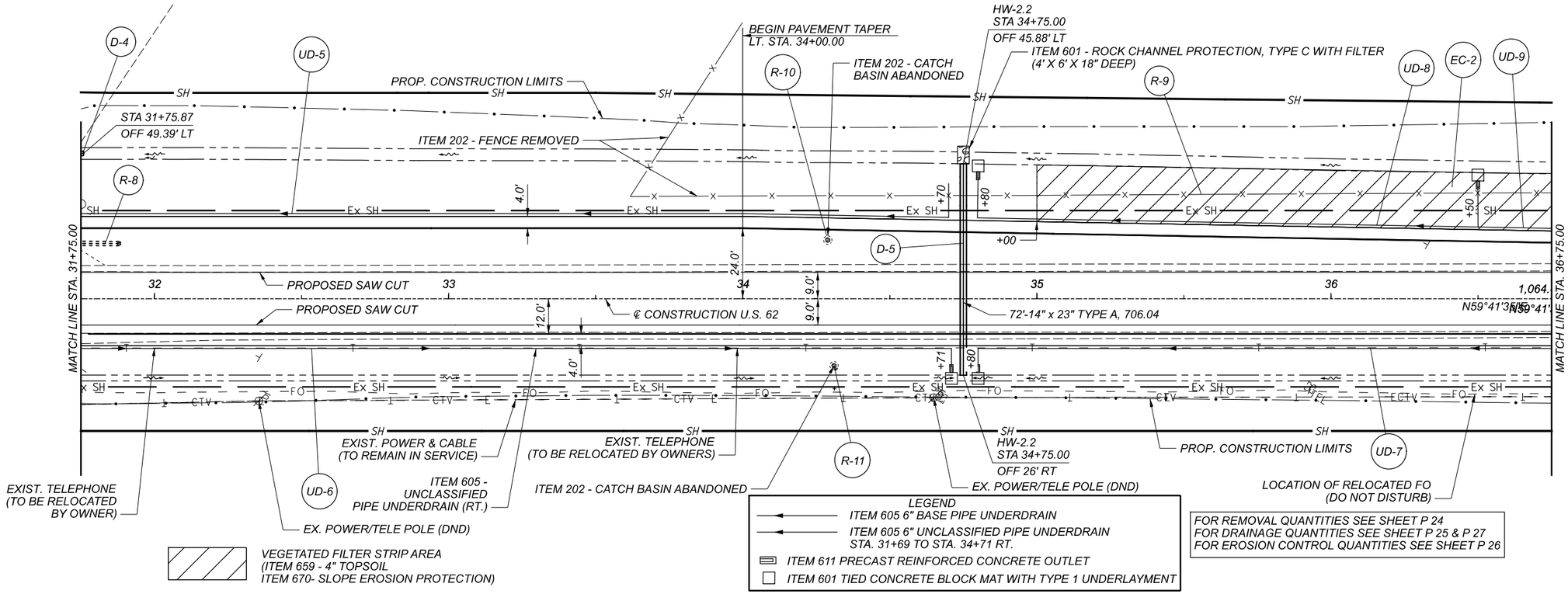
REVIEWER
ALL 7-8-21

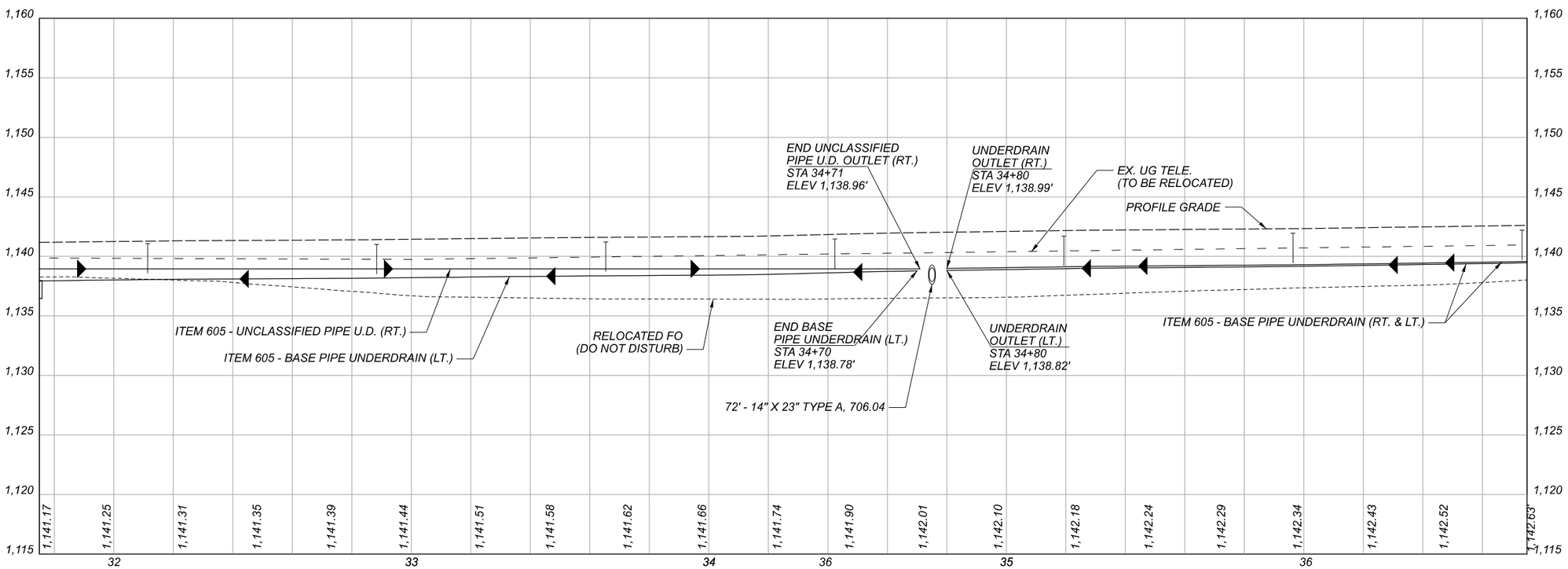
PROJECT ID
109329

SHEET P 30 | TOTAL P 87

LIC-62-0.49

MODEL: l09329_GPI PAPERSIZE: 17x11(in.) DATE: 9/28/2021 TIME: 11:22:36 AM USER: Josh_Rognon
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Licking\109329\40l-Engineering.2LMN\Roadway\Sheets\l09329_GPI02.dgn





HORIZONTAL
SCALE IN FEET
0 10 20 40

PLAN AND PROFILE
U.S. 62

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 31 | TOTAL P 87

LIC-62-0.49

MODEL: I09329_GP2 PAPERSIZE: I7x11(in.) DATE: 9/28/2021 TIME: 11:22:53 AM USER: Josh_Rognon
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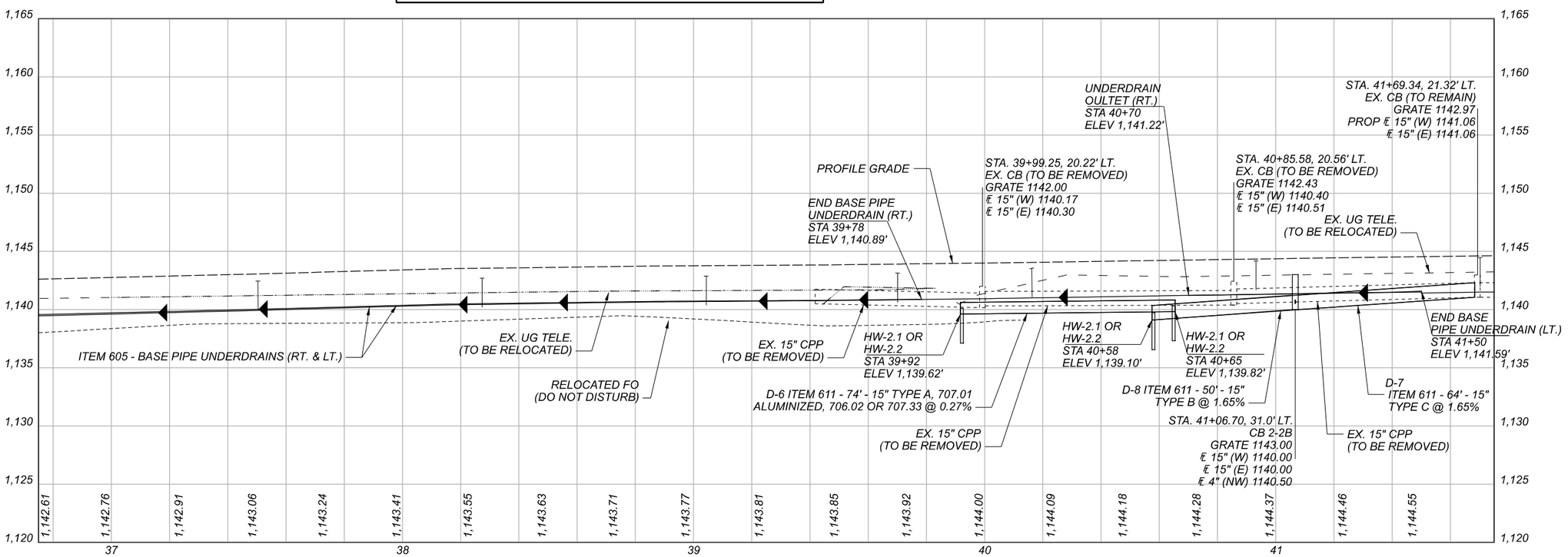
FOR DRIVE QUANTITIES SEE SHEET P 23
FOR REMOVAL QUANTITIES SEE SHEET P 24
FOR DRAINAGE QUANTITIES SEE SHEET P 25 & P 27
FOR EROSION CONTROL QUANTITIES SEE SHEET P 26

MONROE TOWNSHIP
JERSEY TOWNSHIP

ITEM 202 - FENCE REMOVED
PROP. CONSTRUCTION LIMITS
EX. GATE (TO BE REMOVED)
EX. POLE (DO NOT DISTRUB)
EXIST. 15" CONDUIT (TO BE REMOVED TYP.)
EXIST. CATCH BASIN (TO BE REMOVED)
ITEM 601 - ROCK CHANNEL PROTECTION, TYPE C WITH FILTER (4' X 6' X 18" DEEP)
HW-2.1 OR HW-2.2 STA 40+57.51 OFF 39.79' LT
END PAVEMENT TAPER LT. AND SHOULDER TAPER LT. STA. 41+50.00
RESIDENTIAL DRIVE STA. 40+69.00 (GRAVEL)
EXIST. CATCH BASIN (TO BE REMOVED)
EX. GUY POLE (TO BE RELOCATED)
BEGIN SHOULDER TAPER LT. STA. 41+40.00
EX. CISTERN WELL (TO REMAIN)
EXIST. CATCH BASIN (TO REMAIN IN SERVICE) ITEM SPECIAL - PIPE CLEANOUT (STA. 41+69 TO STA. 42+50) SEE GENERAL NOTE SHEET 7.
STA 41+69.34 OFF 21.32' LT
MATCH LINE STA. 36+75.00
MATCH LINE STA. 41+75.00
℄ CONSTRUCTION U.S. 62
HW-2.1 OR HW-2.2 STA 39+91.67 OFF 27.02' RT
HW-2.1 OR HW-2.2 STA 40+65.42 OFF 27.05' RT
EXIST. TELEPHONE (TO BE RELOCATED BY OWNER)
PROP. CONSTRUCTION LIMITS
LOCATION OF RELOCATED FO (DO NOT DISTURB)
EX. POWER & CABLE (TO REMAIN IN SERVICE)
STA. 39+93.20 ℄ CONSTRUCTION U.S. 62 = STA. 0+00.00 ℄ CONSTRUCTION GREEN CHAPEL ROAD
EX. POWER/TELE POLE (DND)
EXIST. 15" CONDUIT (TO BE REMOVED)
74' - 15" TYPE A, 707.01 ALUMINIZED, 706.02 OR 707.33
103' - 12" TYPE A, 707.01 ALUMINIZED, 706.02 OR 707.33
EXIST. 12" CONDUIT (TO BE REMOVED)
℄ CONSTRUCTION GREEN CHAPEL ROAD
EX. POWER/TELE POLE (DND)
EX. POWER/TELE POLE (DND)
VEGETATED FILTER STRIP AREA (ITEM 659 - 4" TOPSOIL ITEM 670- SLOPE EROSION PROTECTION)

LEGEND
ITEM 605 6" BASE PIPE UNDERDRAIN
ITEM 611 PRECAST REINFORCED CONCRETE OUTLET
ITEM 601 TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT



HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE U.S. 62

DESIGN AGENCY 2LMN
DESIGNER JJR
REVIEWER ALL 7-8-21
PROJECT ID 109329
SHEET P 32 TOTAL P 87

LIC-62-0.49

MODEL: 109329.GP3 PAPERSIZE: 17x11(in.) DATE: 9/28/2021 TIME: 11:23:12 AM USER: Josh_Rognon
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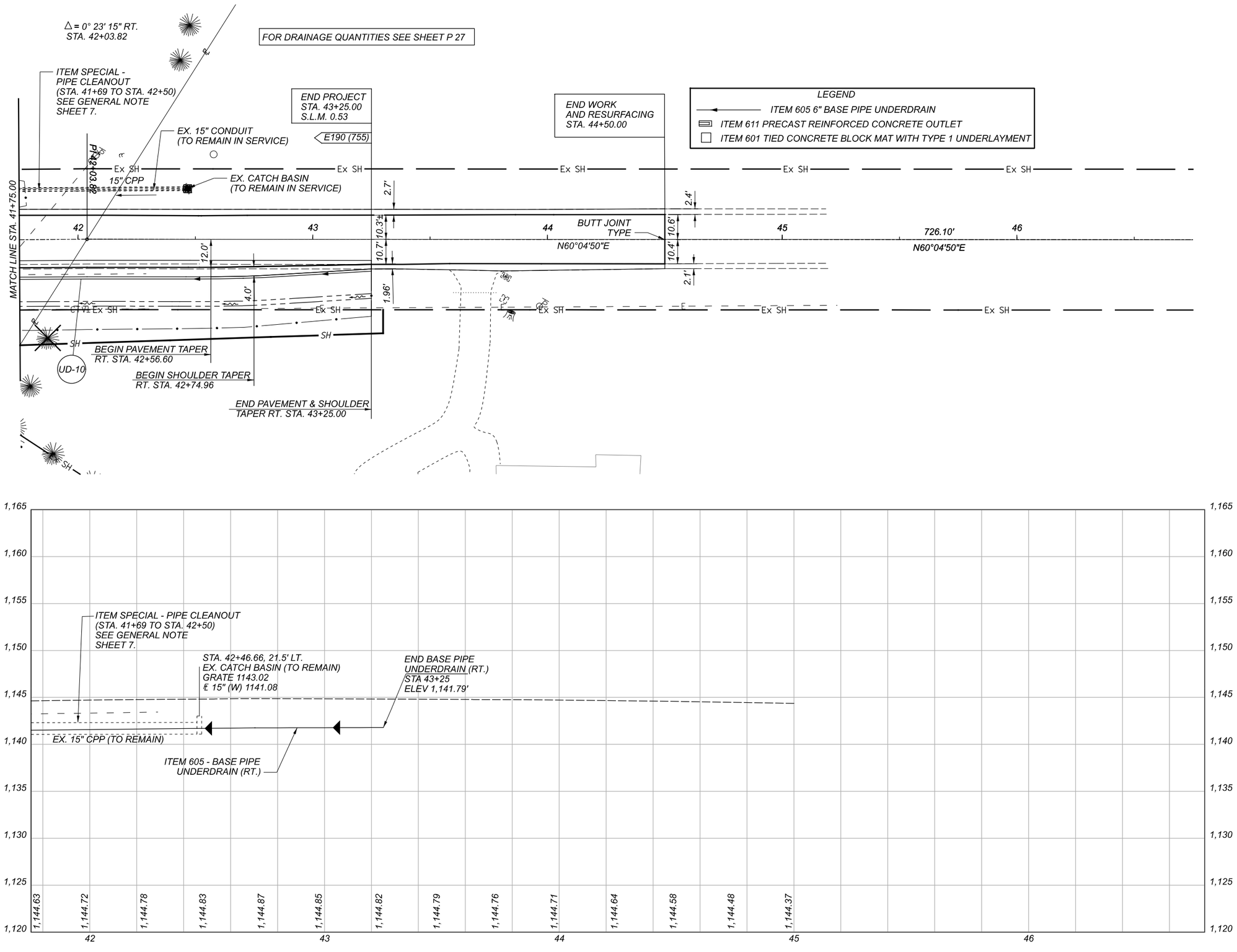

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE
U.S. 62

DESIGN AGENCY
2LMN

DESIGNER JJR
REVIEWER ALL 7-8-21
PROJECT ID 109329
SHEET P 33 TOTAL P 87

LIC-62-0.49

MODEL: 109329_GP4 PAPERSIZE: 17x11 (in.) DATE: 9/28/2021 TIME: 11:23:31 AM USER: Josh.Rognon
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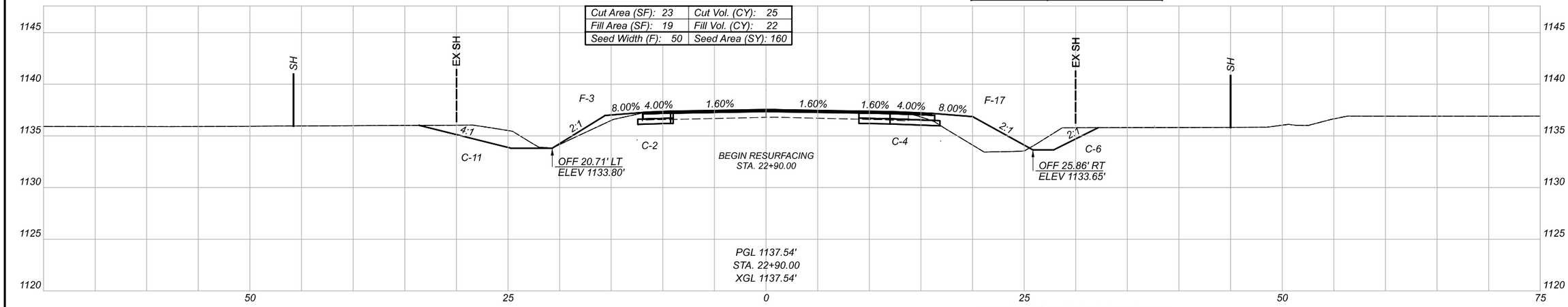
AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 8

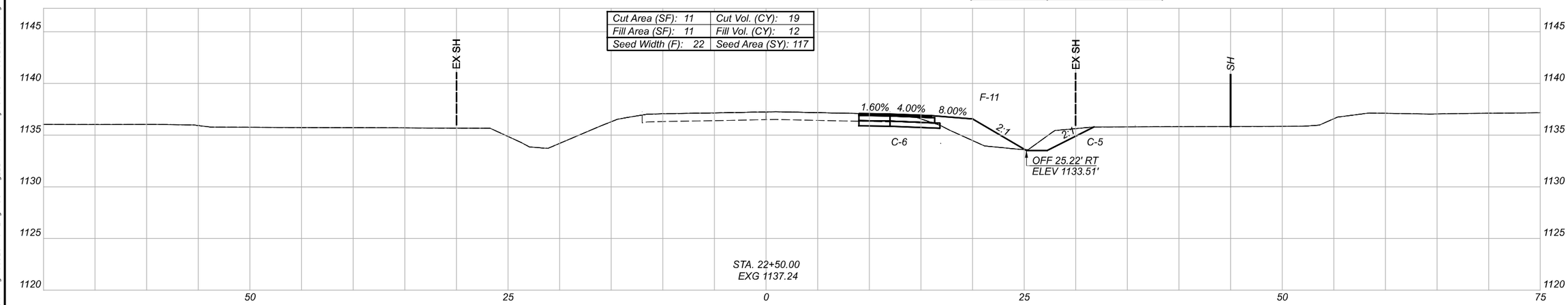
Cut Area (SF): 23	Cut Vol. (CY): 25
Fill Area (SF): 19	Fill Vol. (CY): 22
Seed Width (F): 50	Seed Area (SY): 160



AREA FOR 671 EROSION CONTROL MAT

Width (F) 6	Area (SY) 27

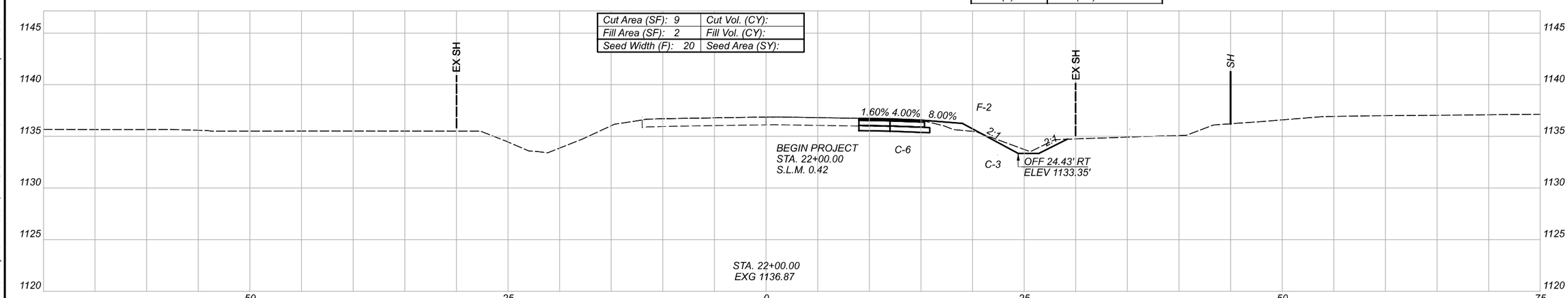
Cut Area (SF): 11	Cut Vol. (CY): 19
Fill Area (SF): 11	Fill Vol. (CY): 12
Seed Width (F): 22	Seed Area (SY): 117



AREA FOR 671 EROSION CONTROL MAT

Width (F) 6	Area (SY) 34

Cut Area (SF): 9	Cut Vol. (CY):
Fill Area (SF): 2	Fill Vol. (CY):
Seed Width (F): 20	Seed Area (SY):



QUANTITIES CARRIED TO SHEET P 50

Sheet Total
Erosion Control Mat
69

Sheet Totals		
Seeding	Cut	Fill
277	44	34

CROSS SECTIONS
U.S. 62

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 34 | TOTAL P 87

LIC-62-0.49

MODEL: 22+00.00 [Sheet] PAPERSIZE: 17x11(in.) DATE: 9/28/2021 TIME: 11:23:51 AM USER: Josh_Rognon
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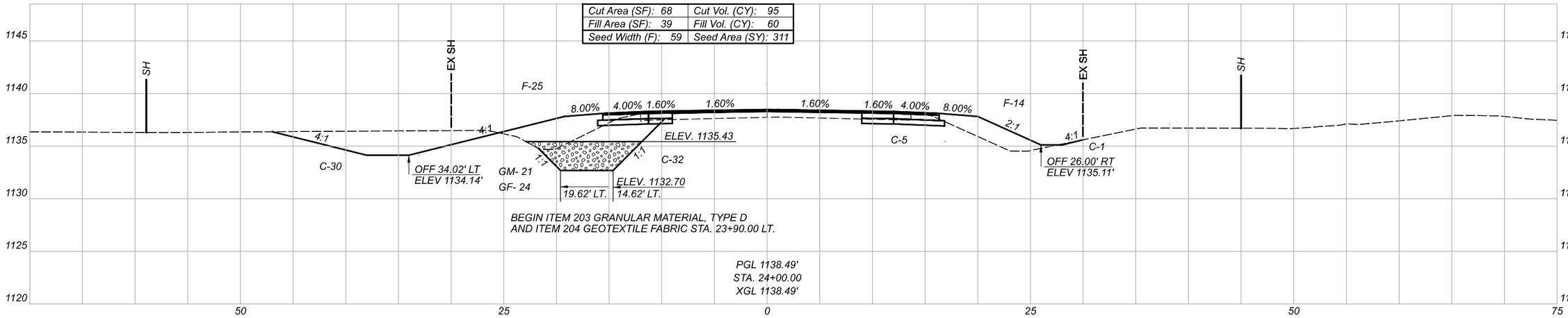
AREA FOR UNDERCUT

Item 203 Granular Material, Type D	21	(SF)	(CY)
Item 204 Geotextile Fabric	24	(F)	(SY)

AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 39

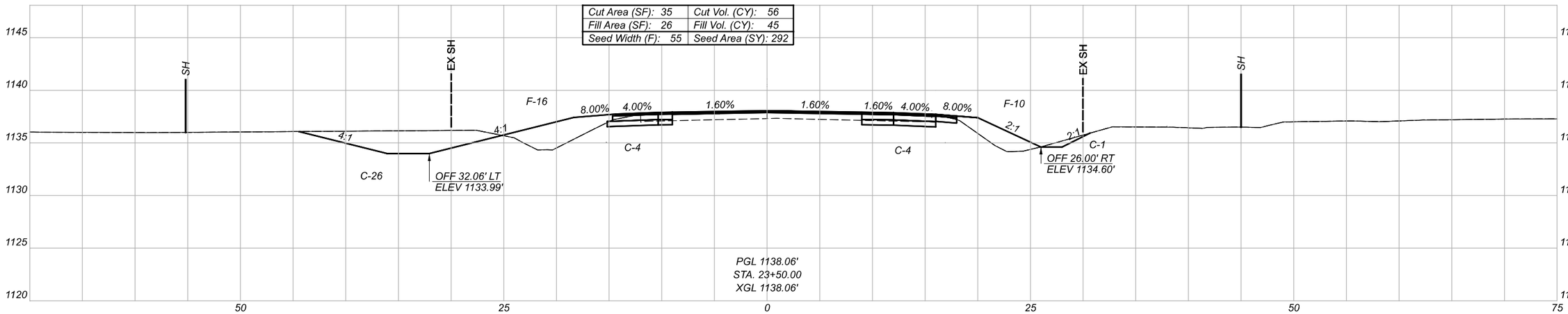
Cut Area (SF): 68	Cut Vol. (CY): 95
Fill Area (SF): 39	Fill Vol. (CY): 60
Seed Width (F): 59	Seed Area (SY): 311



AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 39

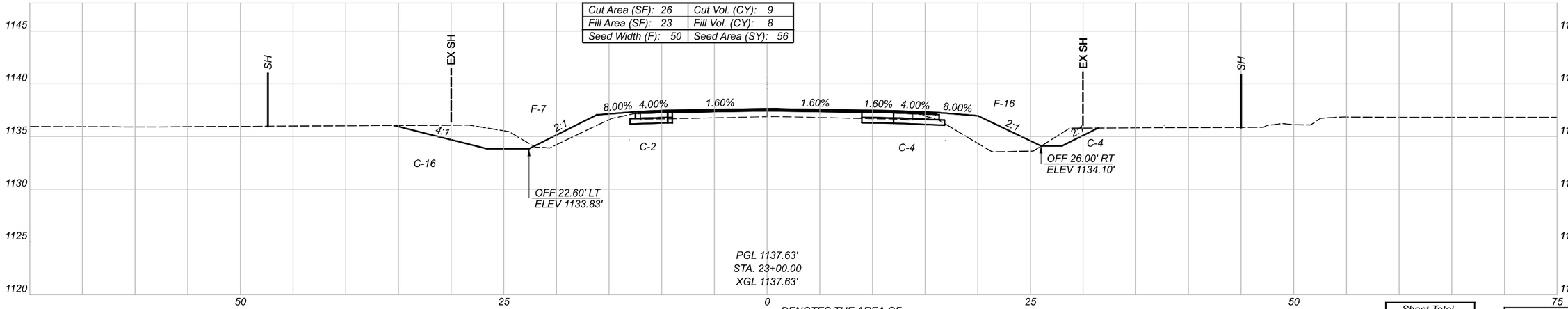
Cut Area (SF): 35	Cut Vol. (CY): 56
Fill Area (SF): 26	Fill Vol. (CY): 45
Seed Width (F): 55	Seed Area (SY): 292



AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 39

Cut Area (SF): 26	Cut Vol. (CY): 9
Fill Area (SF): 23	Fill Vol. (CY): 8
Seed Width (F): 50	Seed Area (SY): 56



DENOTES THE AREA OF
ITEM 203 GRANULAR MATERIAL, TYPE D
ITEM 204 GEOTEXTILE FABRIC

QUANTITIES CARRIED TO SHEET P 50

Sheet Total
Erosion Control Mat
117

Sheet Totals		
Seeding	Cut	Fill
659	160	113

CROSS SECTIONS
U.S. 62

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 35 TOTAL P 87

LIC-62-0.49

MODEL: 23+00.00 [Sheet] PAPERSIZE: 17x11(in) DATE: 9/28/2021 TIME: 11:23:57 AM USER: Josh_Rognon
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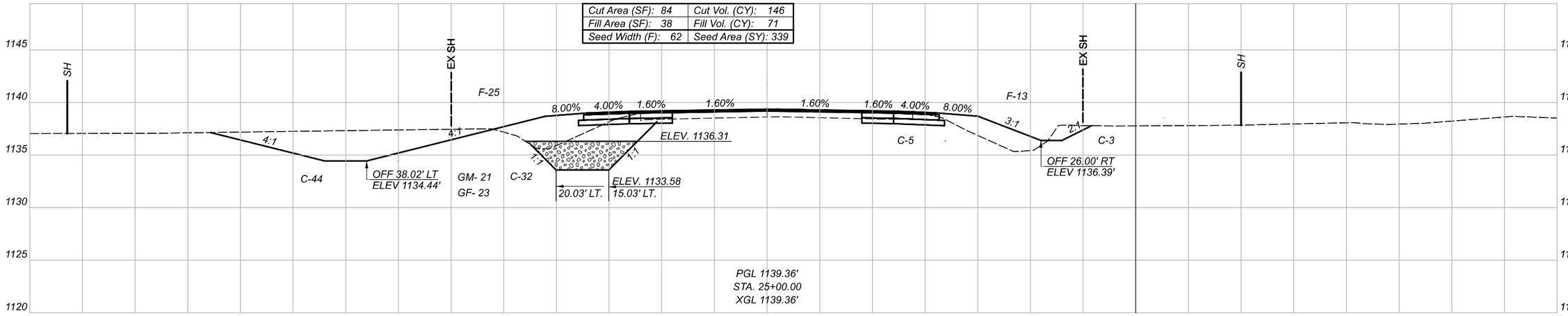
AREA FOR UNDERCUT

Item 203 Granular Material, Type D	21	(SF)	40	(CY)
Item 204 Geotextile Fabric	23	(F)	131	(SY)

AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 39

Cut Area (SF): 84	Cut Vol. (CY): 146
Fill Area (SF): 38	Fill Vol. (CY): 71
Seed Width (F): 62	Seed Area (SY): 339



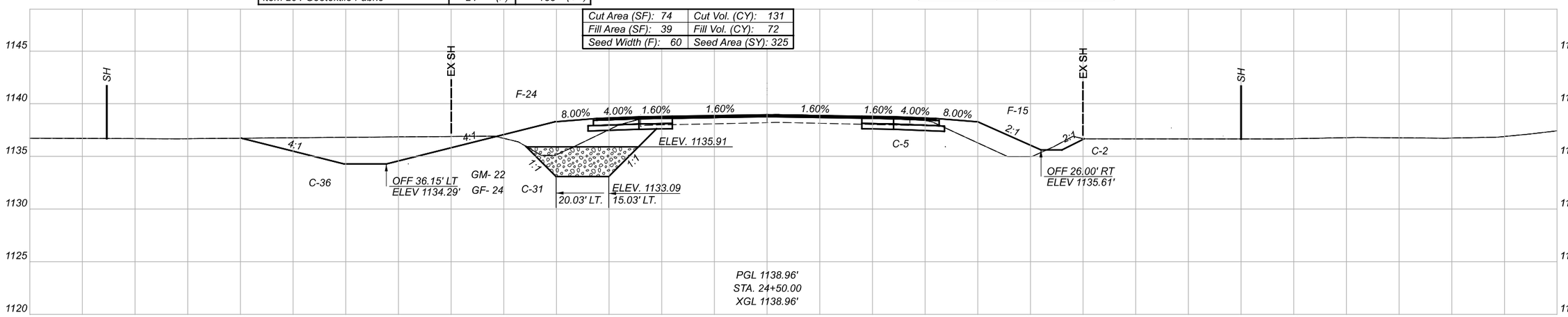
AREA FOR UNDERCUT

Item 203 Granular Material, Type D	22	(SF)	40	(CY)
Item 204 Geotextile Fabric	24	(F)	133	(SY)

AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 39

Cut Area (SF): 74	Cut Vol. (CY): 131
Fill Area (SF): 39	Fill Vol. (CY): 72
Seed Width (F): 60	Seed Area (SY): 325



DENOTES THE AREA OF
ITEM 203 GRANULAR MATERIAL, TYPE D
ITEM 204 GEOTEXTILE FABRIC

QUANTITIES CARRIED TO SHEET P 50

Sheet Total
Erosion Control Mat
78

Sheet Totals	
Granular Material, Type D	Geotextile Fabric
80	264

Sheet Totals		
Seeding	Cut	Fill
664	277	143

CROSS SECTIONS
U.S. 62

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 36 TOTAL P 87

LIC-62-0.49

MODEL: 24+50.00 [Sheet] PAPERSIZE: ITxIII(n.) DATE: 9/28/2021 TIME: 11:24:02 AM USER: Josh.Rognon
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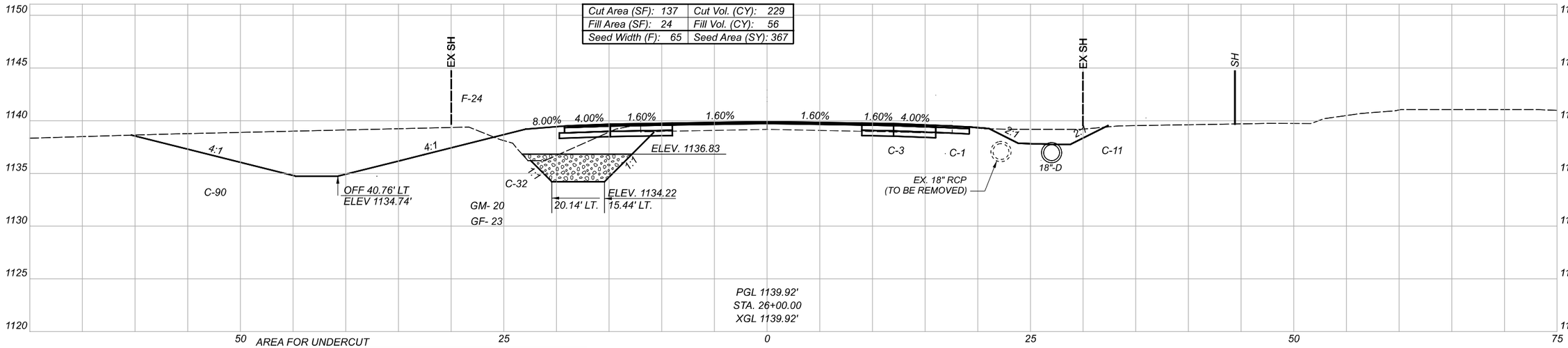
AREA FOR UNDERCUT

Item 203 Granular Material, Type D	20	(SF)	38	(CY)
Item 204 Geotextile Fabric	23	(F)	128	(SY)

Cut Area (SF): 137	Cut Vol. (CY): 229
Fill Area (SF): 24	Fill Vol. (CY): 56
Seed Width (F): 65	Seed Area (SY): 367

AREA FOR 671 EROSION CONTROL MAT

Width (F) 3	Area (SY) 20



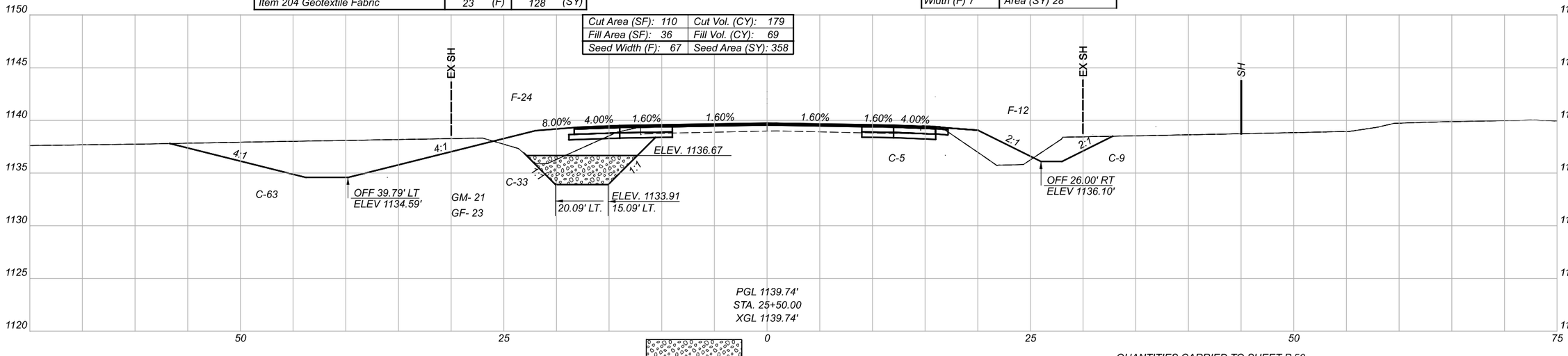
AREA FOR UNDERCUT

Item 203 Granular Material, Type D	21	(SF)	39	(CY)
Item 204 Geotextile Fabric	23	(F)	128	(SY)

Cut Area (SF): 110	Cut Vol. (CY): 179
Fill Area (SF): 36	Fill Vol. (CY): 69
Seed Width (F): 67	Seed Area (SY): 358

AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 28



DENOTES THE AREA OF
ITEM 203 GRANULAR MATERIAL, TYPE D
ITEM 204 GEOTEXTILE FABRIC

QUANTITIES CARRIED TO SHEET P 50

Sheet Total
Erosion Control Mat
48

Sheet Totals	
Granular Material, Type D	Geotextile Fabric
77	256

Sheet Totals		
Seeding	Cut	Fill
725	408	125

CROSS SECTIONS
U.S. 62

LIC-62-0.49

MODEL: 25+50.00 [Sheet] PAPERSIZE: 17x11(in.) DATE: 9/28/2021 TIME: 11:24:06 AM USER: Josh.Rognon
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DESIGN AGENCY: 2LMN
DESIGNER: JJR
REVIEWER: ALL 7-8-21
PROJECT ID: 109329
SHEET: P 37 TOTAL: P 87

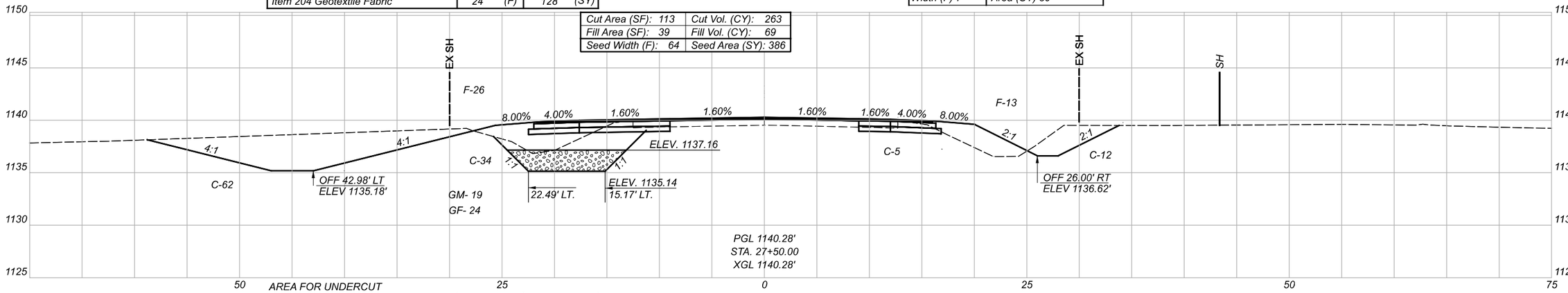
AREA FOR UNDERCUT

Item 203 Granular Material, Type D	19	(SF)	33	(CY)
Item 204 Geotextile Fabric	24	(F)	128	(SY)

Cut Area (SF): 113	Cut Vol. (CY): 263
Fill Area (SF): 39	Fill Vol. (CY): 69
Seed Width (F): 64	Seed Area (SY): 386

AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 39



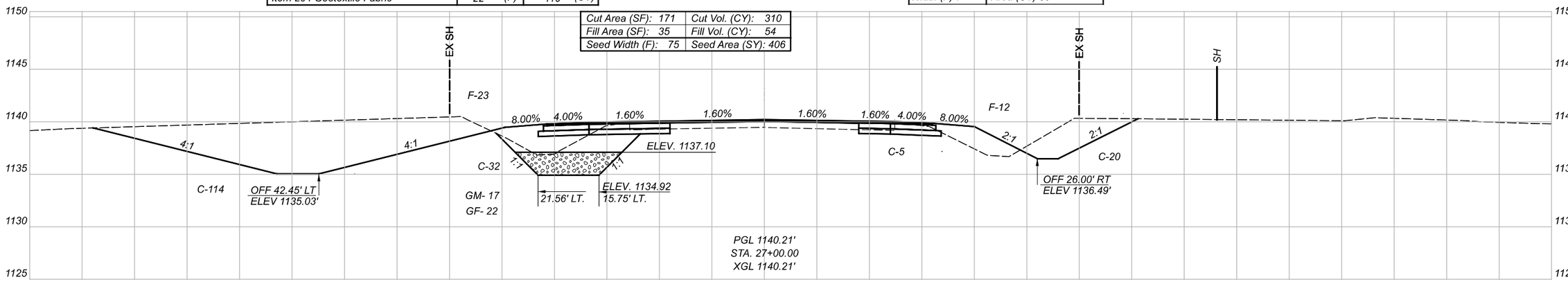
AREA FOR UNDERCUT

Item 203 Granular Material, Type D	17	(SF)	31	(CY)
Item 204 Geotextile Fabric	22	(F)	119	(SY)

Cut Area (SF): 171	Cut Vol. (CY): 310
Fill Area (SF): 35	Fill Vol. (CY): 54
Seed Width (F): 75	Seed Area (SY): 406

AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 39



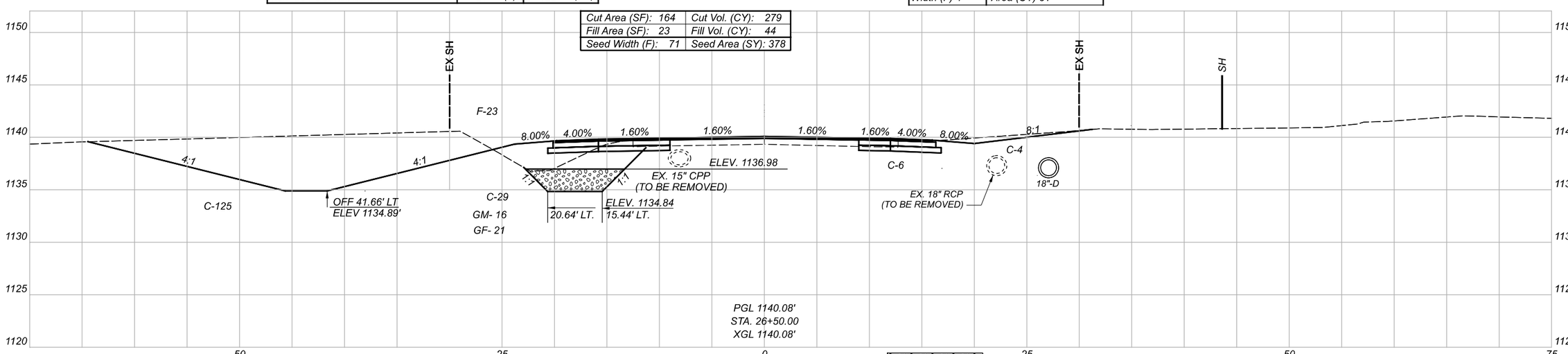
AREA FOR UNDERCUT

Item 203 Granular Material, Type D	16	(SF)	33	(CY)
Item 204 Geotextile Fabric	21	(F)	122	(SY)

Cut Area (SF): 164	Cut Vol. (CY): 279
Fill Area (SF): 23	Fill Vol. (CY): 44
Seed Width (F): 71	Seed Area (SY): 378

AREA FOR 671 EROSION CONTROL MAT

Width (F) 4	Area (SY) 31



DENOTES THE AREA OF
ITEM 203 GRANULAR MATERIAL, TYPE D
ITEM 204 GEOTEXTILE FABRIC

QUANTITIES CARRIED TO SHEET P 50

Sheet Total
Erosion Control Mat
109

Sheet Totals	
Granular Material, Type D	Geotextile Fabric
97	369

Sheet Totals		
Seeding	Cut	Fill
1170	852	167

CROSS SECTIONS
U.S. 62

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 38 TOTAL P 87

LIC-62-0.49

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CROSS SECTIONS
U.S. 62

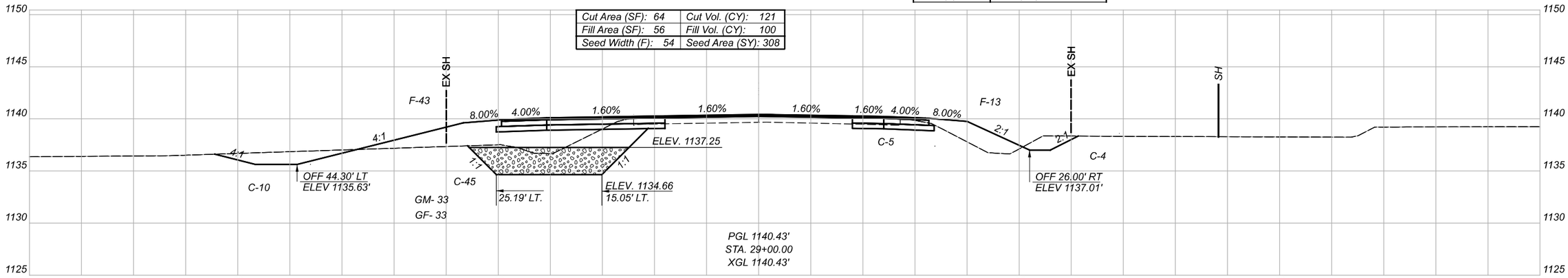
AREA FOR UNDERCUT

Item 203 Granular Material, Type D	33	(SF)	57	(CY)
Item 204 Geotextile Fabric	33	(F)	178	(SY)

AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 39

Cut Area (SF): 64	Cut Vol. (CY): 121
Fill Area (SF): 56	Fill Vol. (CY): 100
Seed Width (F): 54	Seed Area (SY): 308



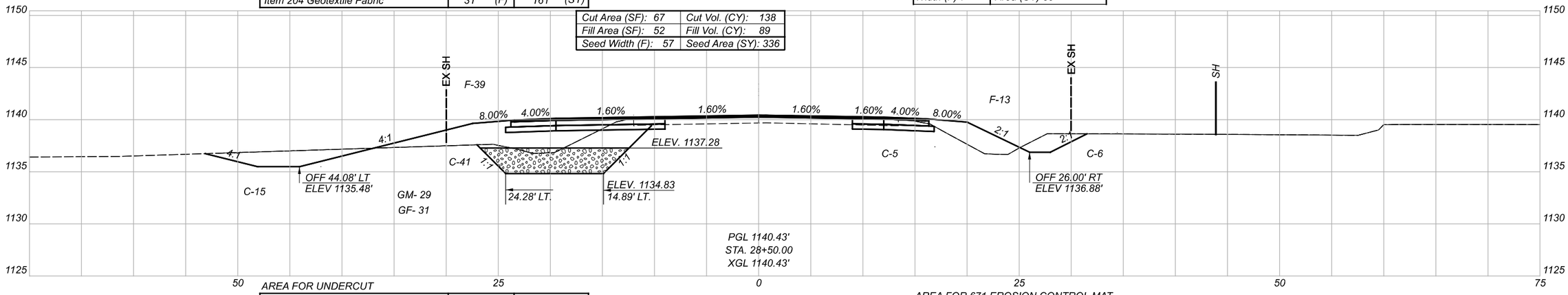
AREA FOR UNDERCUT

Item 203 Granular Material, Type D	29	(SF)	48	(CY)
Item 204 Geotextile Fabric	31	(F)	161	(SY)

AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 39

Cut Area (SF): 67	Cut Vol. (CY): 138
Fill Area (SF): 52	Fill Vol. (CY): 89
Seed Width (F): 57	Seed Area (SY): 336



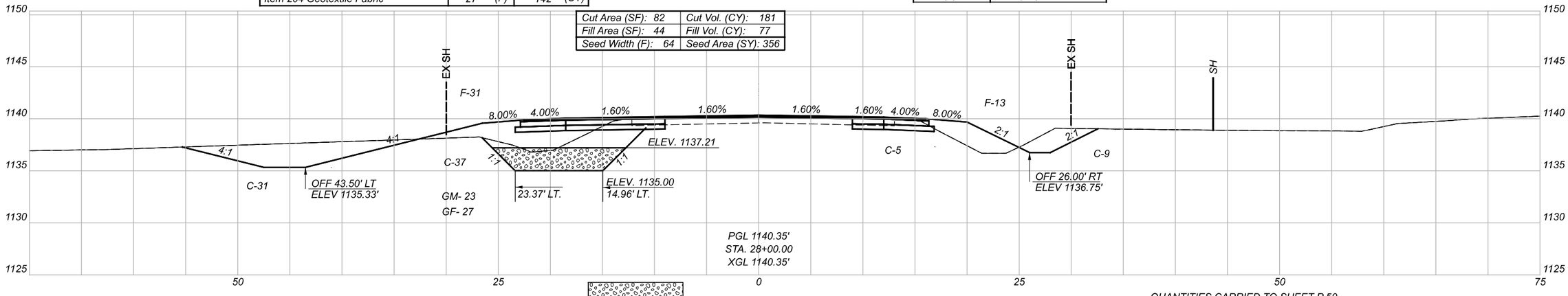
AREA FOR UNDERCUT

Item 203 Granular Material, Type D	23	(SF)	39	(CY)
Item 204 Geotextile Fabric	27	(F)	142	(SY)

AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 39

Cut Area (SF): 82	Cut Vol. (CY): 181
Fill Area (SF): 44	Fill Vol. (CY): 77
Seed Width (F): 64	Seed Area (SY): 356



DENOTES THE AREA OF
ITEM 203 GRANULAR MATERIAL, TYPE D
ITEM 204 GEOTEXTILE FABRIC

QUANTITIES CARRIED TO SHEET P 50

Sheet Total
Erosion Control Mat
117

Sheet Totals	
Granular Material, Type D	Geotextile Fabric
144	481

Sheet Totals		
Seeding	Cut	Fill
1000	440	266

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 39 TOTAL P 87

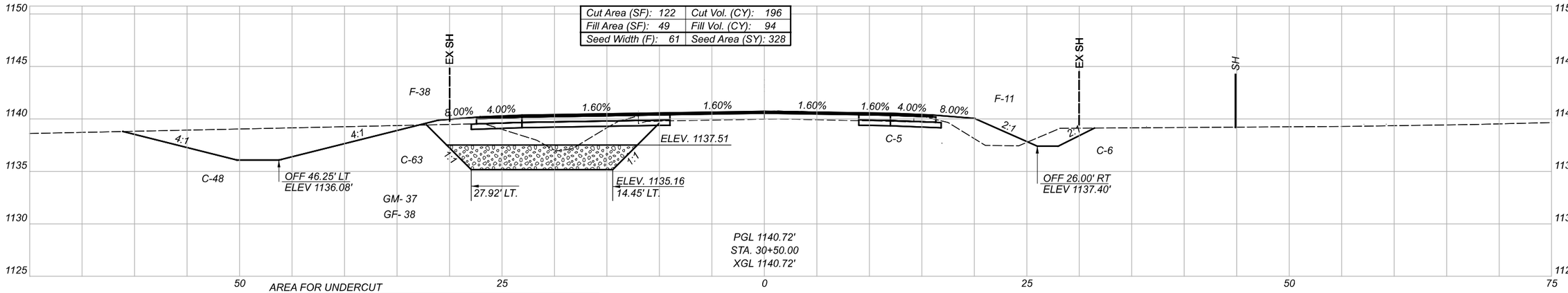
AREA FOR UNDERCUT

Item 203 Granular Material, Type D	37	(SF)	68	(CY)
Item 204 Geotextile Fabric	38	(F)	208	(SY)

AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 39

Cut Area (SF): 122	Cut Vol. (CY): 196
Fill Area (SF): 49	Fill Vol. (CY): 94
Seed Width (F): 61	Seed Area (SY): 328



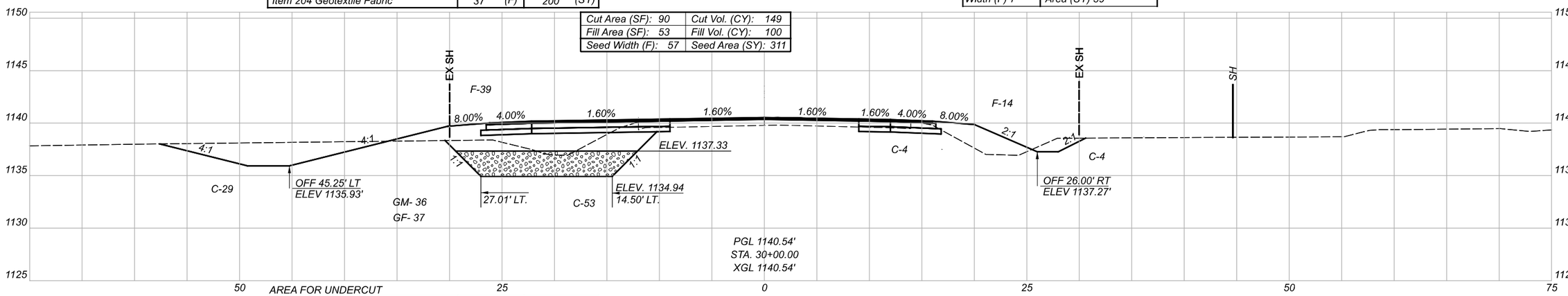
AREA FOR UNDERCUT

Item 203 Granular Material, Type D	36	(SF)	65	(CY)
Item 204 Geotextile Fabric	37	(F)	200	(SY)

AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 39

Cut Area (SF): 90	Cut Vol. (CY): 149
Fill Area (SF): 53	Fill Vol. (CY): 100
Seed Width (F): 57	Seed Area (SY): 311



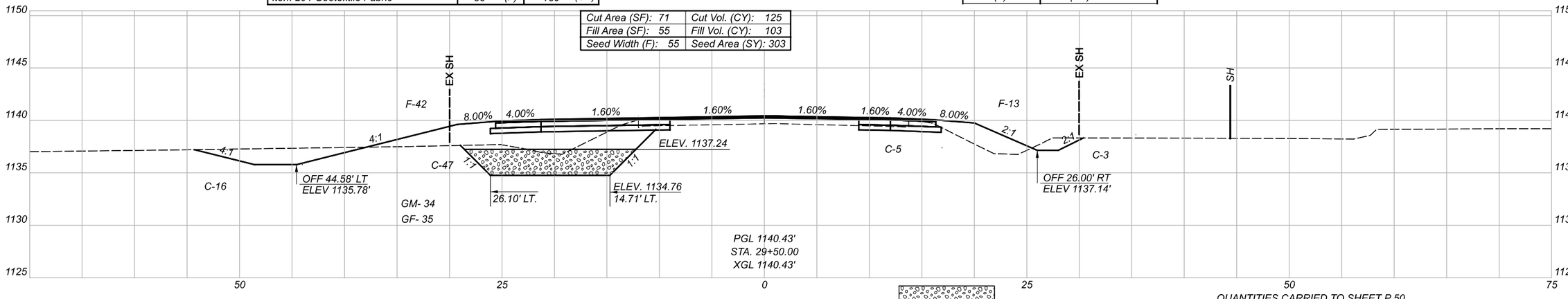
AREA FOR UNDERCUT

Item 203 Granular Material, Type D	34	(SF)	62	(CY)
Item 204 Geotextile Fabric	35	(F)	189	(SY)

AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 39

Cut Area (SF): 71	Cut Vol. (CY): 125
Fill Area (SF): 55	Fill Vol. (CY): 103
Seed Width (F): 55	Seed Area (SY): 303



DENOTES THE AREA OF
ITEM 203 GRANULAR MATERIAL, TYPE D
ITEM 204 GEOTEXTILE FABRIC

QUANTITIES CARRIED TO SHEET P 50

Sheet Total
Erosion Control Mat
117

Sheet Totals	
Granular Material, Type D	Geotextile Fabric
195	597

Sheet Totals		
Seeding	Cut	Fill
942	470	297

CROSS SECTIONS
U.S. 62

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 40 TOTAL P 87

LIC-62-0.49

MODEL: 29+50.00 [Sheet] PAPERSIZE: 17x11(in) DATE: 9/28/2021 TIME: 11:24:22 AM USER: Josh_Rognon
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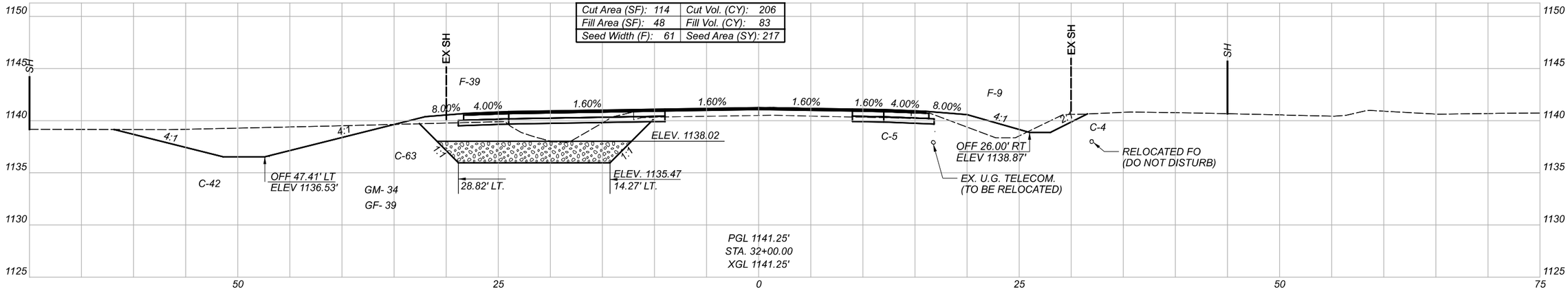
AREA FOR UNDERCUT

Item 203 Granular Material, Type D	34	(SF)	126	(CY)
Item 204 Geotextile Fabric	39	(F)	433	(SY)

AREA FOR 671 EROSION CONTROL MAT

Width (F)	Area (SY)
7	36

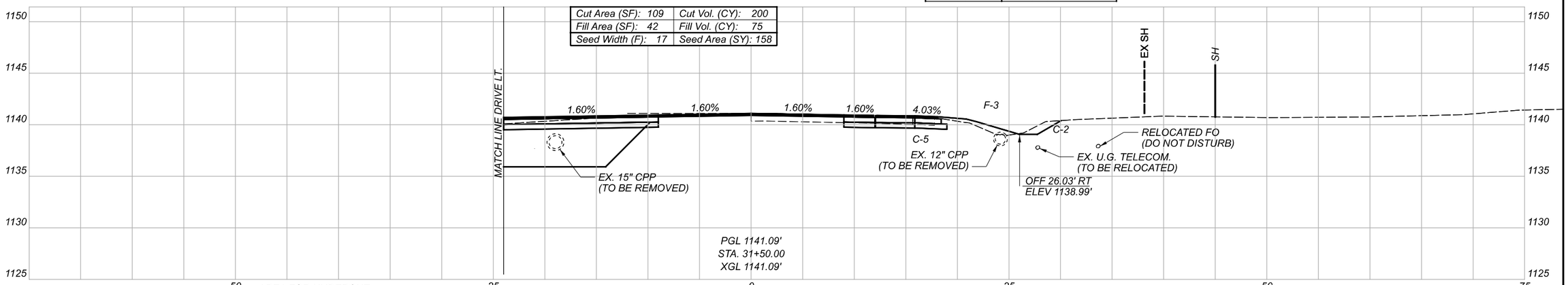
Cut Area (SF): 114	Cut Vol. (CY): 206
Fill Area (SF): 48	Fill Vol. (CY): 83
Seed Width (F): 61	Seed Area (SY): 217



AREA FOR 671 EROSION CONTROL MAT

Width (F)	Area (SY)
5	34

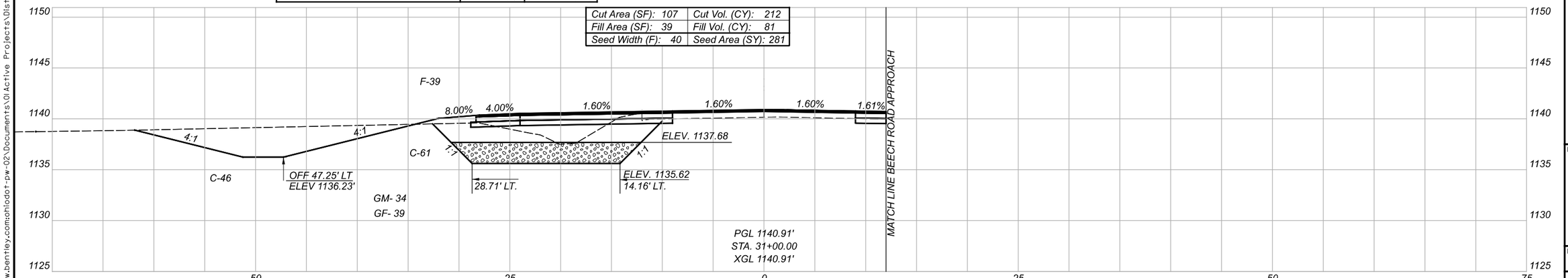
Cut Area (SF): 109	Cut Vol. (CY): 200
Fill Area (SF): 42	Fill Vol. (CY): 75
Seed Width (F): 17	Seed Area (SY): 158



AREA FOR UNDERCUT

Item 203 Granular Material, Type D	34	(SF)	66	(CY)
Item 204 Geotextile Fabric	39	(F)	214	(SY)

Cut Area (SF): 107	Cut Vol. (CY): 212
Fill Area (SF): 39	Fill Vol. (CY): 81
Seed Width (F): 40	Seed Area (SY): 281



DENOTES THE AREA OF
ITEM 203 GRANULAR MATERIAL, TYPE D
ITEM 204 GEOTEXTILE FABRIC

QUANTITIES CARRIED TO SHEET P 50

Sheet Total
Erosion Control Mat
70

Sheet Totals	
Granular Material, Type D	Geotextile Fabric
192	647

Sheet Totals		
Seeding	Cut	Fill
656	618	239

CROSS SECTIONS
U.S. 62

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 41 TOTAL P 87

LIC-62-0.49

MODEL: 3i+00.00 [Sheet] PAPERSIZE: 17x11(in) DATE: 9/28/2021 TIME: 11:24:27 AM USER: Josh_Rognon
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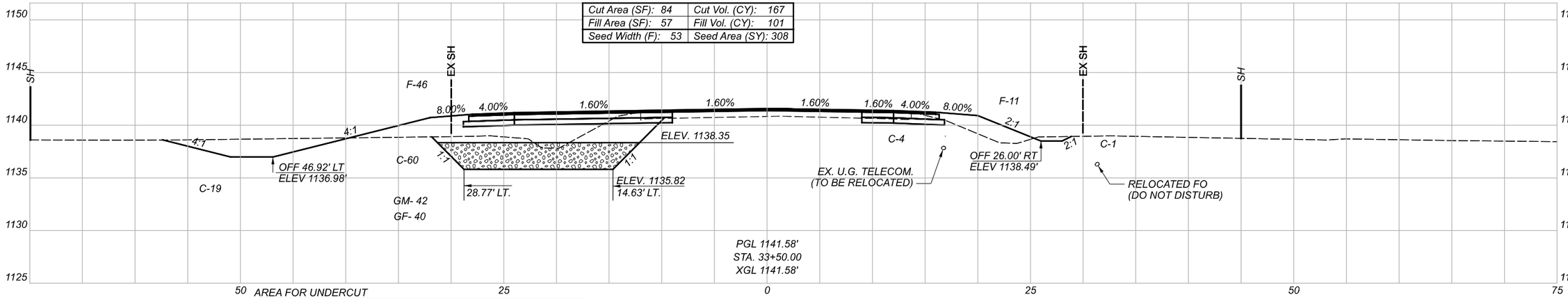
AREA FOR UNDERCUT

Item 203 Granular Material, Type D	42	(SF)	77	(CY)
Item 204 Geotextile Fabric	40	(F)	222	(SY)

AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 39

Cut Area (SF): 84	Cut Vol. (CY): 167
Fill Area (SF): 57	Fill Vol. (CY): 101
Seed Width (F): 53	Seed Area (SY): 308



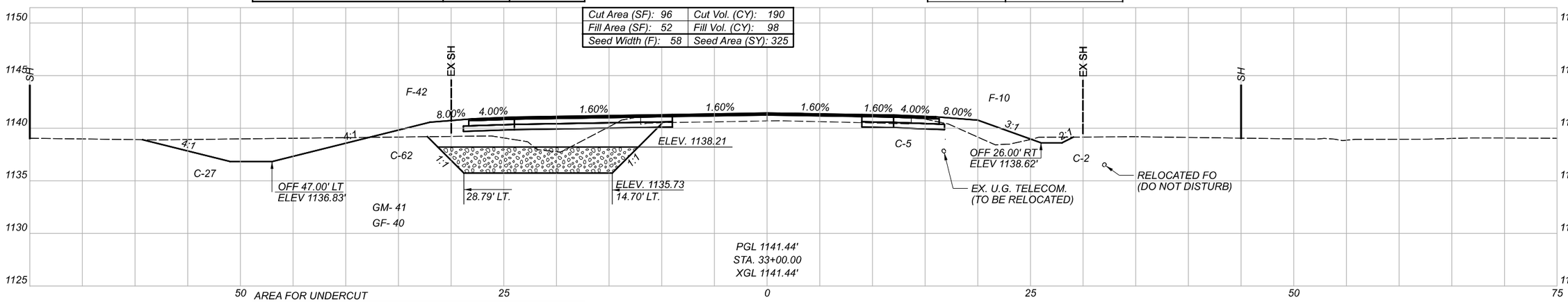
AREA FOR UNDERCUT

Item 203 Granular Material, Type D	41	(SF)	69	(CY)
Item 204 Geotextile Fabric	40	(F)	219	(SY)

AREA FOR 671 EROSION CONTROL MAT

Width (F) 6	Area (SY) 34

Cut Area (SF): 96	Cut Vol. (CY): 190
Fill Area (SF): 52	Fill Vol. (CY): 98
Seed Width (F): 58	Seed Area (SY): 325



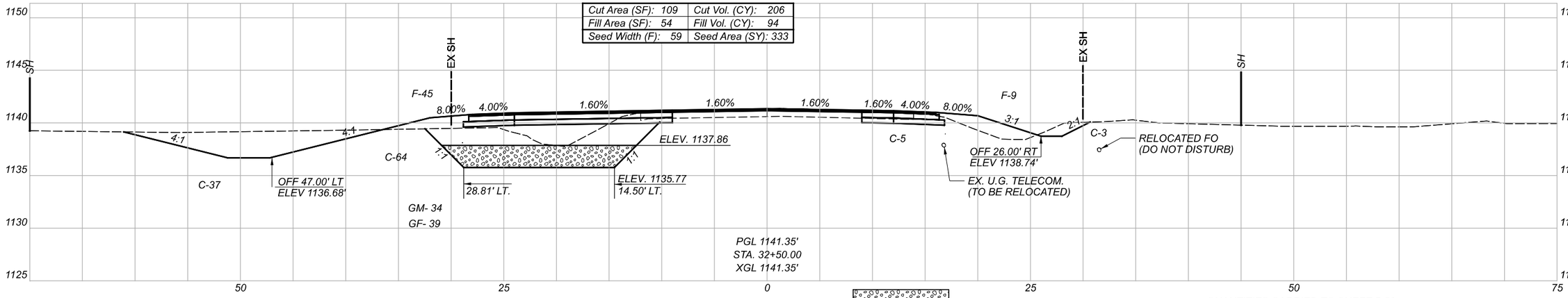
AREA FOR UNDERCUT

Item 203 Granular Material, Type D	34	(SF)	63	(CY)
Item 204 Geotextile Fabric	39	(F)	217	(SY)

AREA FOR 671 EROSION CONTROL MAT

Width (F) 6	Area (SY) 34

Cut Area (SF): 109	Cut Vol. (CY): 206
Fill Area (SF): 54	Fill Vol. (CY): 94
Seed Width (F): 59	Seed Area (SY): 333



DENOTES THE AREA OF
ITEM 203 GRANULAR MATERIAL, TYPE D
ITEM 204 GEOTEXTILE FABRIC

QUANTITIES CARRIED TO SHEET P 50

Sheet Total
Erosion Control Mat
107

Sheet Totals	
Granular Material, Type D	Geotextile Fabric
209	658

Sheet Totals		
Seeding	Cut	Fill
966	563	293

CROSS SECTIONS
U.S. 62

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 42 TOTAL P 87

LIC-62-0.49

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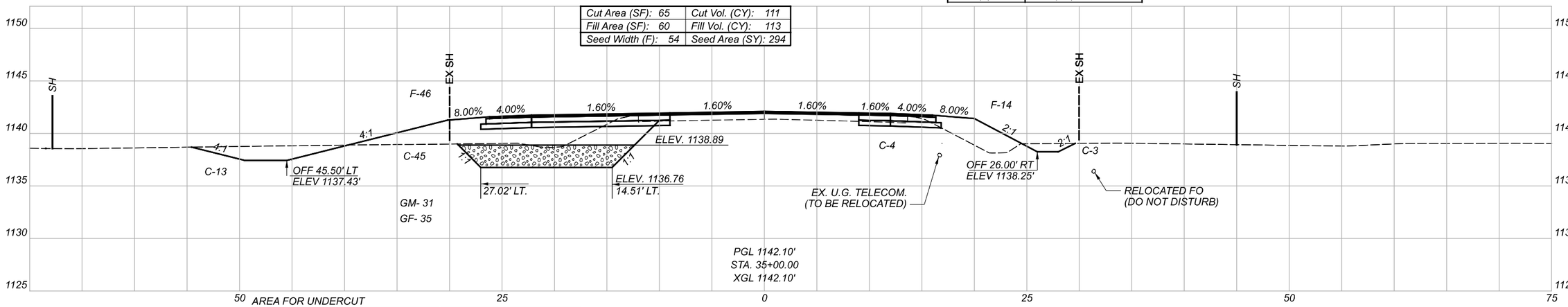
AREA FOR UNDERCUT

Item 203 Granular Material, Type D	31	(SF)	62	(CY)
Item 204 Geotextile Fabric	35	(F)	200	(SY)

Cut Area (SF): 65	Cut Vol. (CY): 111
Fill Area (SF): 60	Fill Vol. (CY): 113
Seed Width (F): 54	Seed Area (SY): 294

AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 39



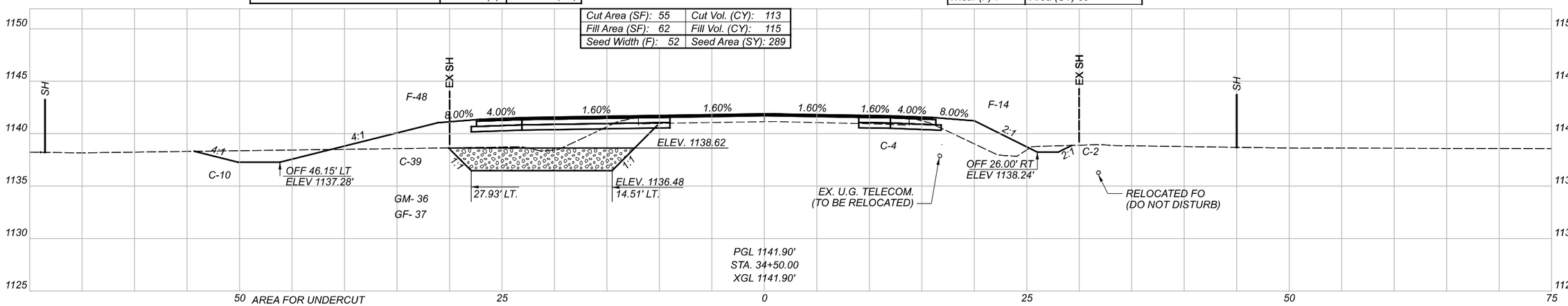
AREA FOR UNDERCUT

Item 203 Granular Material, Type D	36	(SF)	70	(CY)
Item 204 Geotextile Fabric	37	(F)	214	(SY)

Cut Area (SF): 55	Cut Vol. (CY): 113
Fill Area (SF): 62	Fill Vol. (CY): 115
Seed Width (F): 52	Seed Area (SY): 289

AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 39



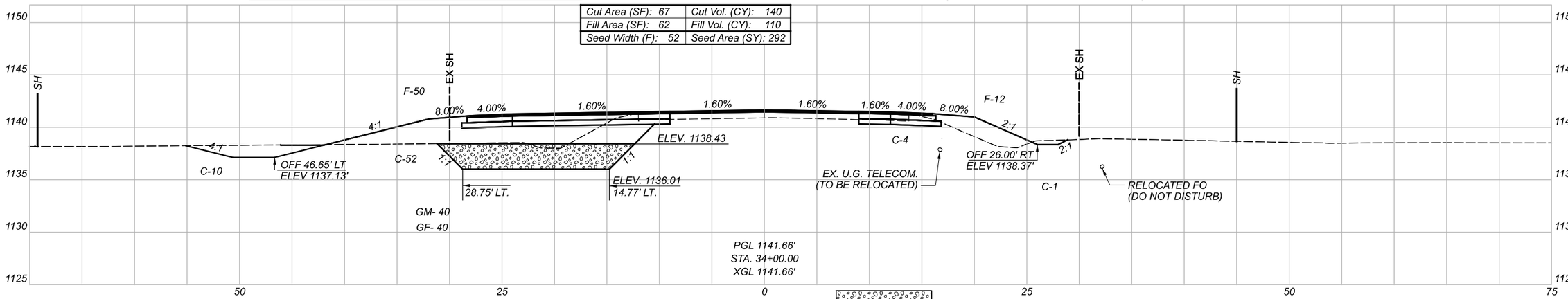
AREA FOR UNDERCUT

Item 203 Granular Material, Type D	40	(SF)	76	(CY)
Item 204 Geotextile Fabric	40	(F)	222	(SY)

AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 39

Cut Area (SF): 67	Cut Vol. (CY): 140
Fill Area (SF): 62	Fill Vol. (CY): 110
Seed Width (F): 52	Seed Area (SY): 292



DENOTES THE AREA OF
ITEM 203 GRANULAR MATERIAL, TYPE D
ITEM 204 GEOTEXTILE FABRIC

QUANTITIES CARRIED TO SHEET P 50

Sheet Total
Erosion Control Mat
117

Sheet Totals	
Granular Material, Type D	Geotextile Fabric
208	636

Sheet Totals		
Seeding	Cut	Fill
875	364	338

CROSS SECTIONS U.S. 62

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 43 TOTAL P 87

LIC-62-0.49

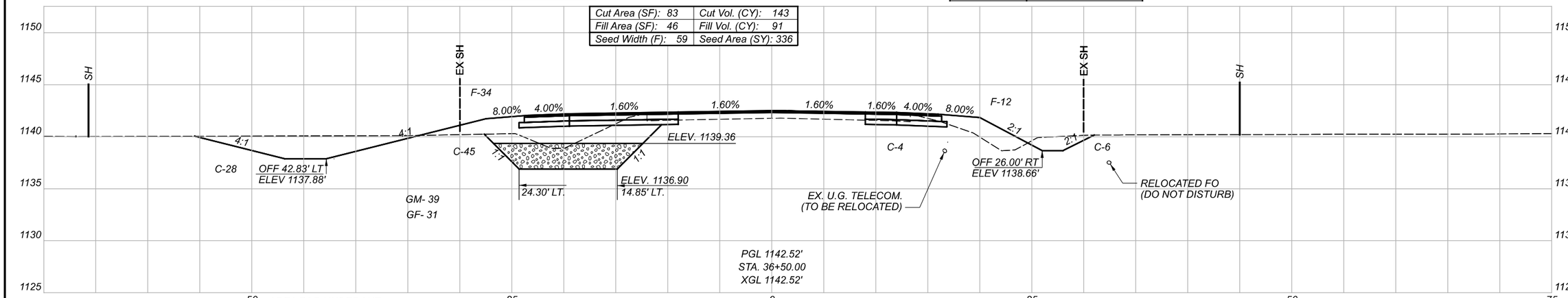
AREA FOR UNDERCUT

Item 203 Granular Material, Type D	39	(SF)	62	(CY)
Item 204 Geotextile Fabric	31	(F)	175	(SY)

AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 39

Cut Area (SF): 83	Cut Vol. (CY): 143
Fill Area (SF): 46	Fill Vol. (CY): 91
Seed Width (F): 59	Seed Area (SY): 336



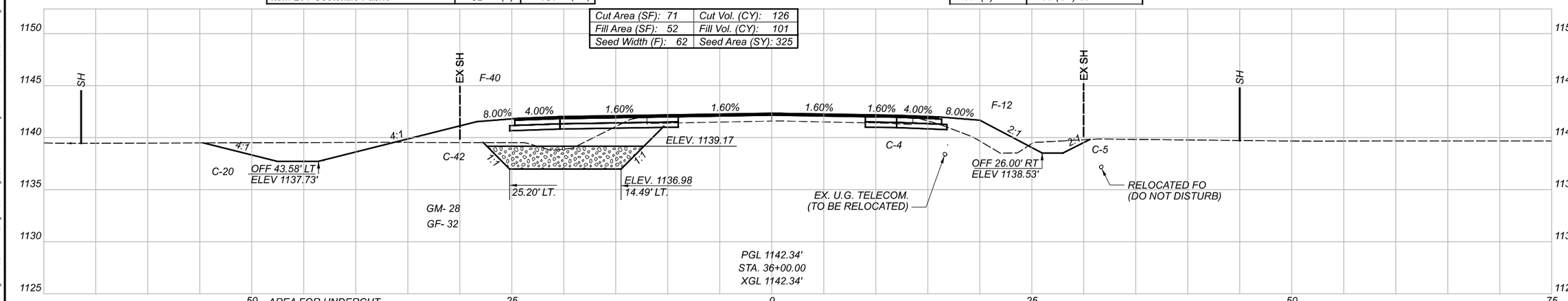
AREA FOR UNDERCUT

Item 203 Granular Material, Type D	28	(SF)	53	(CY)
Item 204 Geotextile Fabric	32	(F)	181	(SY)

AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 39

Cut Area (SF): 71	Cut Vol. (CY): 126
Fill Area (SF): 52	Fill Vol. (CY): 101
Seed Width (F): 62	Seed Area (SY): 325



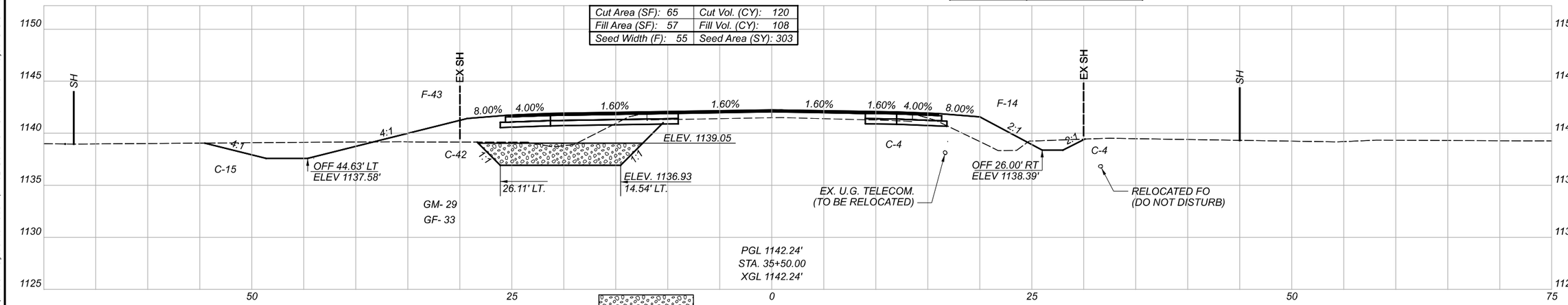
AREA FOR UNDERCUT

Item 203 Granular Material, Type D	29	(SF)	56	(CY)
Item 204 Geotextile Fabric	33	(F)	189	(SY)

AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 39

Cut Area (SF): 65	Cut Vol. (CY): 120
Fill Area (SF): 57	Fill Vol. (CY): 108
Seed Width (F): 55	Seed Area (SY): 303



DENOTES THE AREA OF
ITEM 203 GRANULAR MATERIAL, TYPE D
ITEM 204 GEOTEXTILE FABRIC

QUANTITIES CARRIED TO SHEET P 50

Sheet Total
Erosion Control Mat
117

Sheet Totals	
Granular Material, Type D	Geotextile Fabric
171	545

Sheet Totals		
Seeding	Cut	Fill
964	389	300

CROSS SECTIONS
U.S. 62

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 44 TOTAL P 87

LIC-62-0.49

MODEL: 35+50.00 [Sheet] PAPERSIZE: 17x11(in.) DATE: 9/28/2021 TIME: 11:24:43 AM USER: Josh.Rognon
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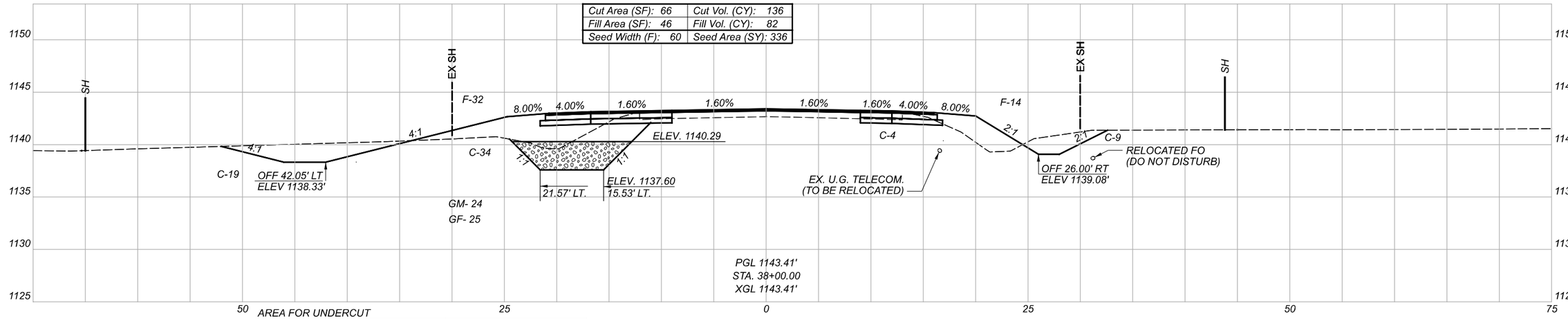
AREA FOR UNDERCUT

Item 203 Granular Material, Type D	24	(SF)	44	(CY)
Item 204 Geotextile Fabric	25	(F)	142	(SY)

AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 39

Cut Area (SF): 66	Cut Vol. (CY): 136
Fill Area (SF): 46	Fill Vol. (CY): 82
Seed Width (F): 60	Seed Area (SY): 336



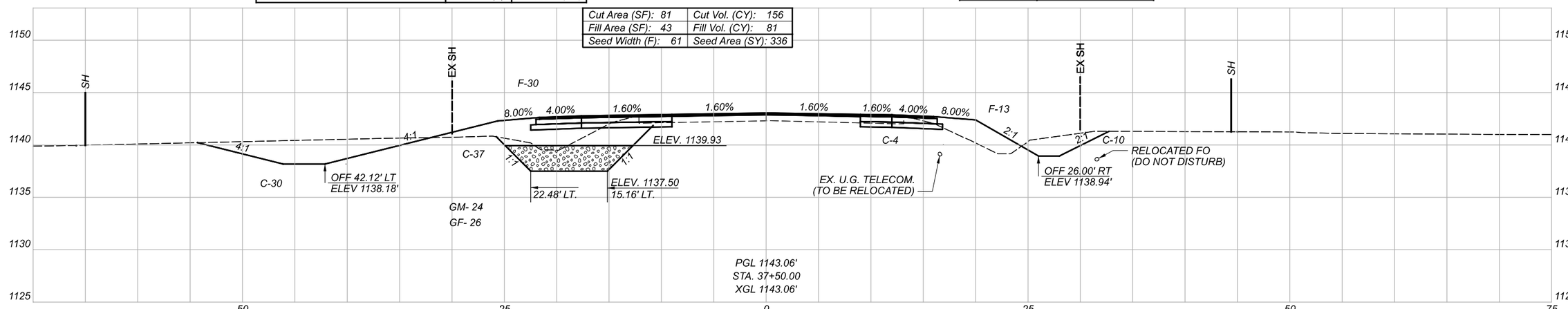
AREA FOR UNDERCUT

Item 203 Granular Material, Type D	24	(SF)	47	(CY)
Item 204 Geotextile Fabric	26	(F)	153	(SY)

AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 39

Cut Area (SF): 81	Cut Vol. (CY): 156
Fill Area (SF): 43	Fill Vol. (CY): 81
Seed Width (F): 61	Seed Area (SY): 336



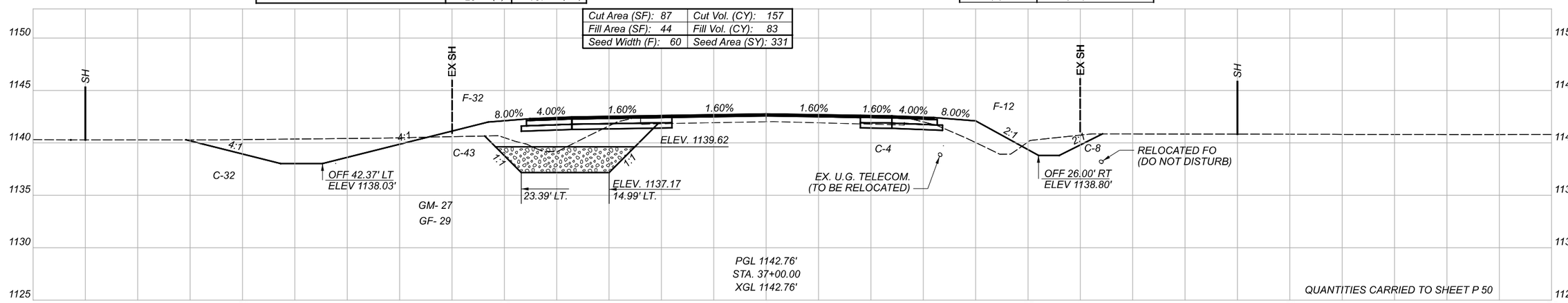
AREA FOR UNDERCUT

Item 203 Granular Material, Type D	27	(SF)	61	(CY)
Item 204 Geotextile Fabric	29	(F)	167	(SY)

AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 39

Cut Area (SF): 87	Cut Vol. (CY): 157
Fill Area (SF): 44	Fill Vol. (CY): 83
Seed Width (F): 60	Seed Area (SY): 331



DENOTES THE AREA OF
ITEM 203 GRANULAR MATERIAL, TYPE D
ITEM 204 GEOTEXTILE FABRIC

QUANTITIES CARRIED TO SHEET P 50

Sheet Total
Erosion Control Mat
117

Sheet Totals	
Granular Material, Type D	Geotextile Fabric
152	462

Sheet Totals		
Seeding	Cut	Fill
1003	449	246

CROSS SECTIONS
U.S. 62

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 45 TOTAL P 87

LIC-62-0.49

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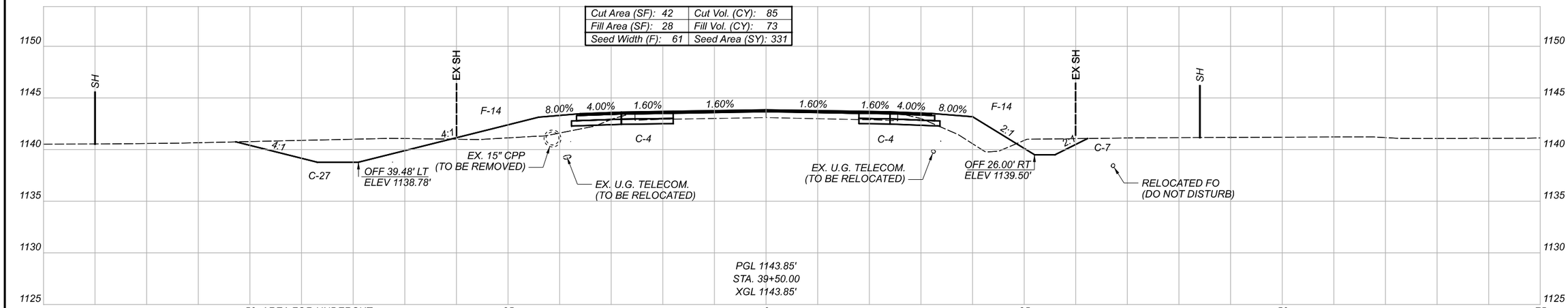
AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 39

Cut Area (SF): 42	Cut Vol. (CY): 85
Fill Area (SF): 28	Fill Vol. (CY): 73
Seed Width (F): 61	Seed Area (SY): 331



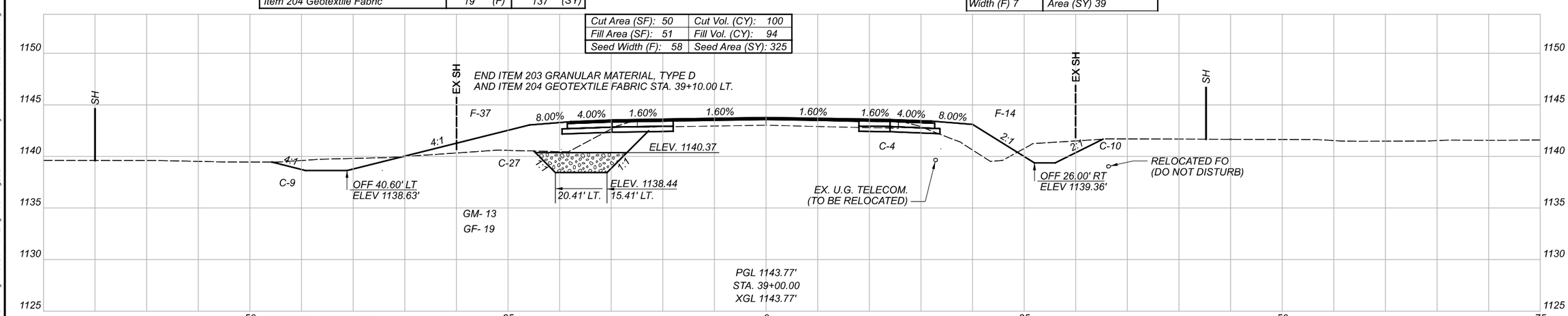
AREA FOR UNDERCUT

Item 203 Granular Material, Type D	13 (SF)	36 (CY)
Item 204 Geotextile Fabric	19 (F)	137 (SY)

AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 39

Cut Area (SF): 50	Cut Vol. (CY): 100
Fill Area (SF): 51	Fill Vol. (CY): 94
Seed Width (F): 58	Seed Area (SY): 325



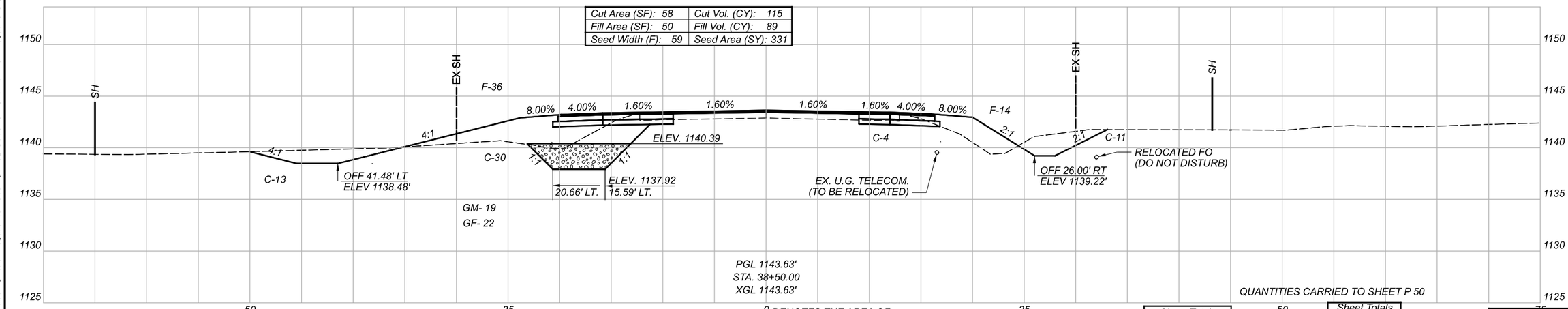
AREA FOR UNDERCUT

Item 203 Granular Material, Type D	19 (SF)	40 (CY)
Item 204 Geotextile Fabric	22 (F)	131 (SY)

AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 39

Cut Area (SF): 58	Cut Vol. (CY): 115
Fill Area (SF): 50	Fill Vol. (CY): 89
Seed Width (F): 59	Seed Area (SY): 331



DENOTES THE AREA OF
ITEM 203 GRANULAR MATERIAL, TYPE D
ITEM 204 GEOTEXTILE FABRIC

QUANTITIES CARRIED TO SHEET P 50

Sheet Total
Erosion Control Mat
117

Sheet Totals	
Granular Material, Type D	Geotextile Fabric
76	268

Sheet Totals		
Seeding	Cut	Fill
987	300	256

CROSS SECTIONS
U.S. 62

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 46 TOTAL P 87

LIC-62-0.49

MODEL: 38+50.00 [Sheet] PAPERSIZE: 17x11(in) DATE: 9/28/2021 TIME: 11:24:53 AM USER: Josh.Rognon
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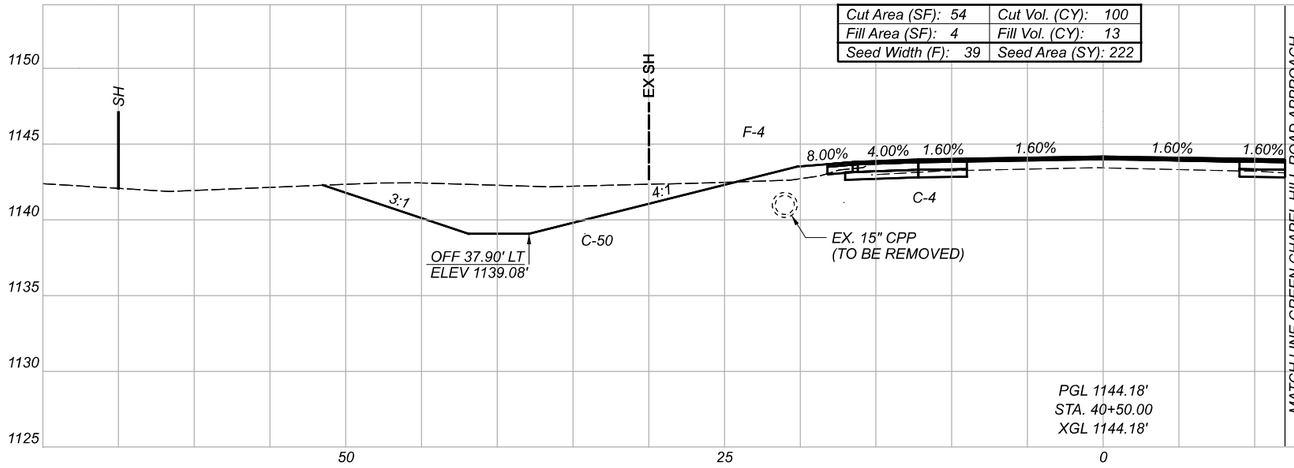
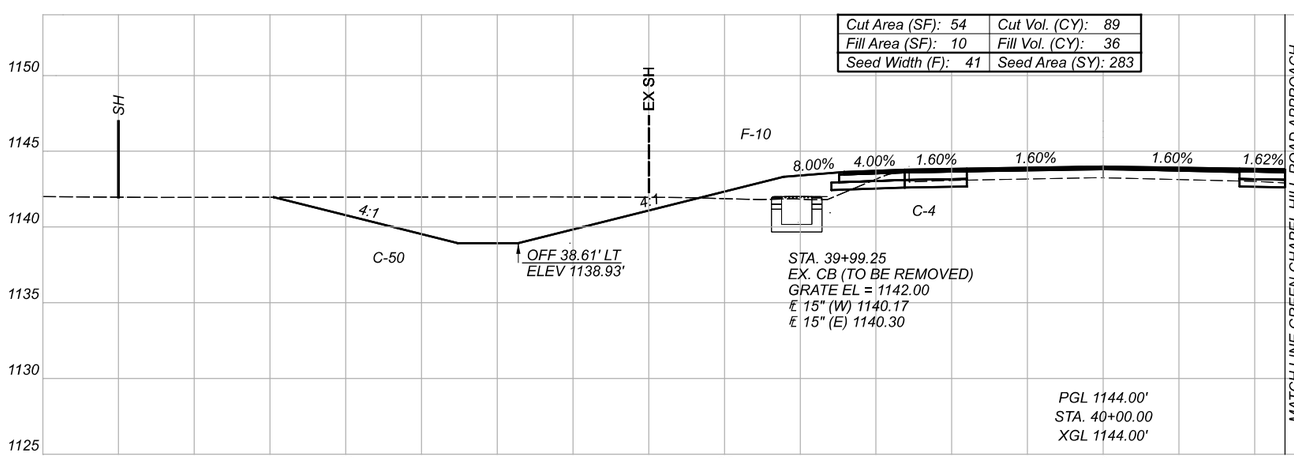
CROSS SECTIONS
U.S. 62

Cut Area (SF): 54	Cut Vol. (CY): 100
Fill Area (SF): 4	Fill Vol. (CY): 13
Seed Width (F): 39	Seed Area (SY): 222



Cut Area (SF): 54	Cut Vol. (CY): 89
Fill Area (SF): 10	Fill Vol. (CY): 36
Seed Width (F): 41	Seed Area (SY): 283



QUANTITIES CARRIED TO SHEET P 50

Sheet Total
Erosion Control Mat

Sheet Totals		
Cut	Granular Material, Type D	Geotextile Fabric

Sheet Totals		
Seeding	Cut	Fill
505	189	49

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 47 TOTAL P 87

LIC-62-0.49

MODEL: 40+00.00 [Sheet] PAPERSIZE: 17x11 (in.) DATE: 9/28/2021 TIME: 11:24:58 AM USER: Josh.Rognon
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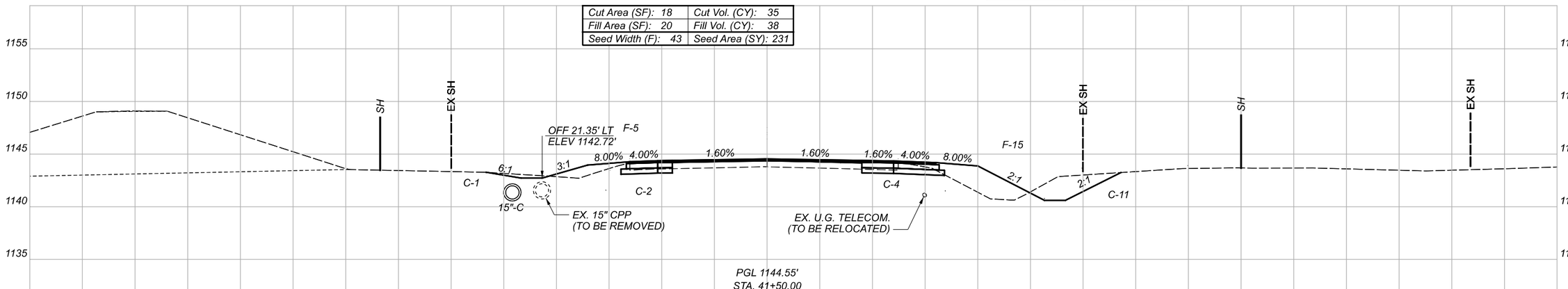
AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 39

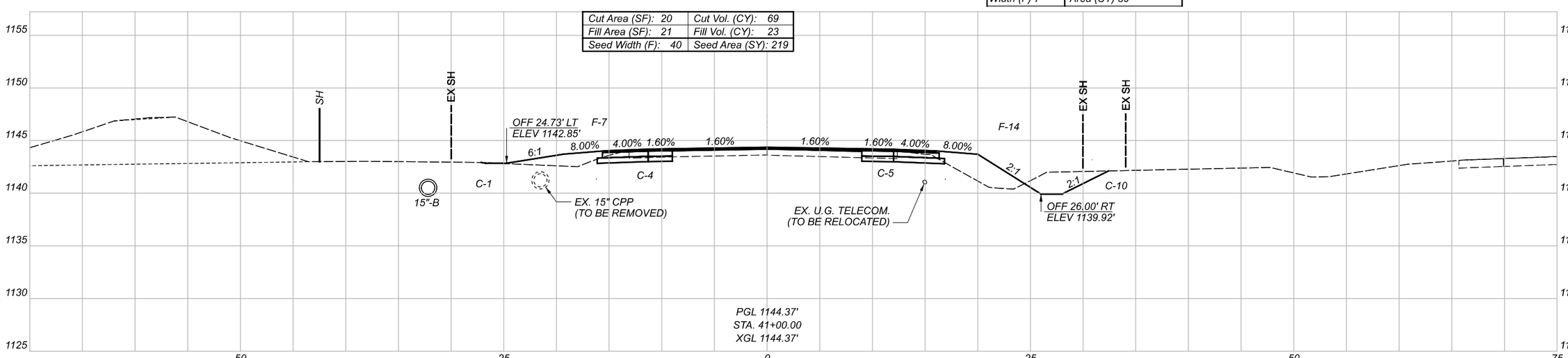
Cut Area (SF): 18	Cut Vol. (CY): 35
Fill Area (SF): 20	Fill Vol. (CY): 38
Seed Width (F): 43	Seed Area (SY): 231



AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 39

Cut Area (SF): 20	Cut Vol. (CY): 69
Fill Area (SF): 21	Fill Vol. (CY): 23
Seed Width (F): 40	Seed Area (SY): 219



QUANTITIES CARRIED TO SHEET P 50

Sheet Total
Erosion Control Mat
78

Sheet Totals		
Seeding	Cut	Fill
450	104	61

CROSS SECTIONS
U.S. 62

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 48 | TOTAL P 87

LIC-62-0.49

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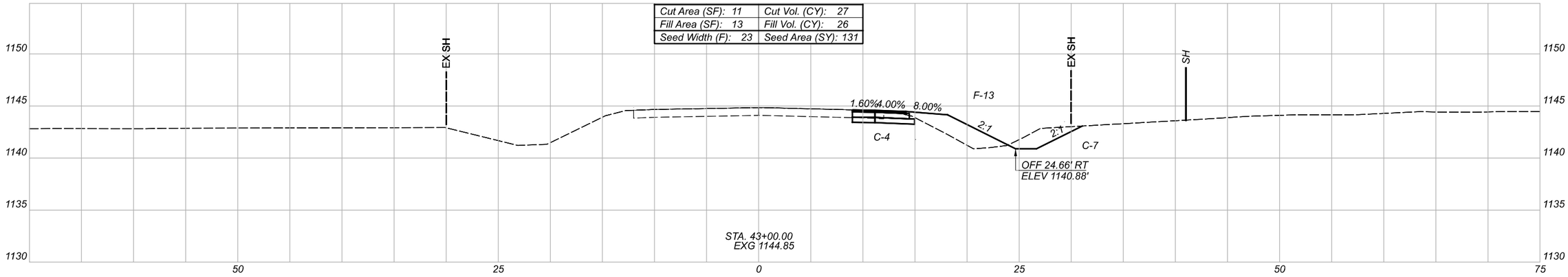
AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 20

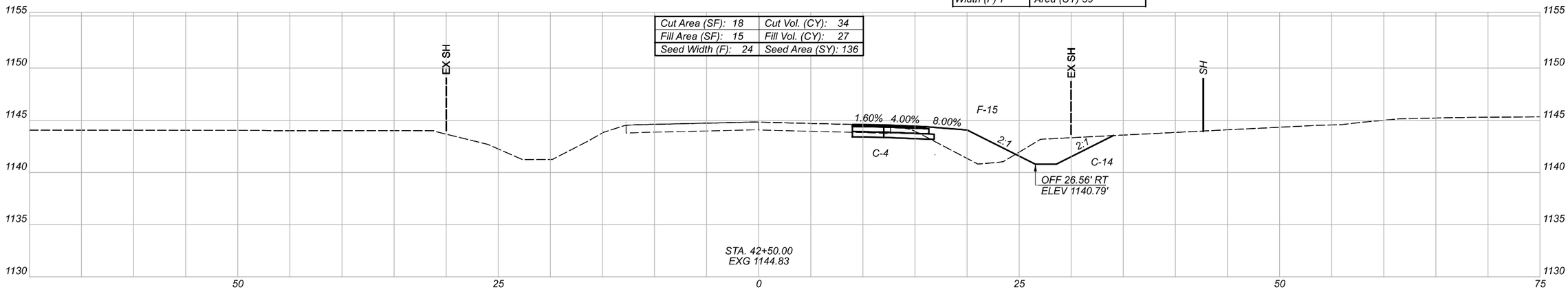
Cut Area (SF): 11	Cut Vol. (CY): 27
Fill Area (SF): 13	Fill Vol. (CY): 26
Seed Width (F): 23	Seed Area (SY): 131



AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 39

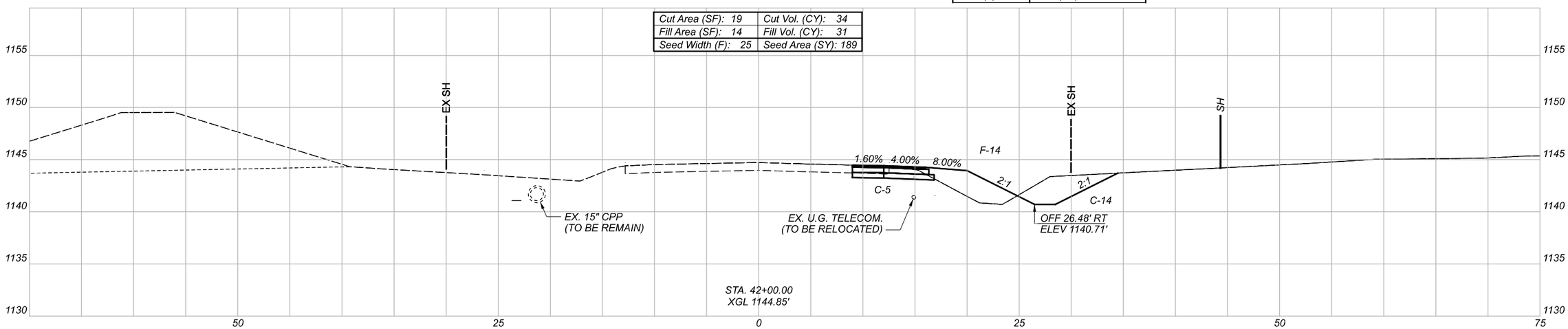
Cut Area (SF): 18	Cut Vol. (CY): 34
Fill Area (SF): 15	Fill Vol. (CY): 27
Seed Width (F): 24	Seed Area (SY): 136



AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY) 39

Cut Area (SF): 19	Cut Vol. (CY): 34
Fill Area (SF): 14	Fill Vol. (CY): 31
Seed Width (F): 25	Seed Area (SY): 189



QUANTITIES CARRIED TO SHEET P 50

Sheet Total
Erosion Control Mat
98

Sheet Totals		
Seeding	Cut	Fill
456	95	84

CROSS SECTIONS
U.S. 62

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 49 TOTAL P 87

LIC-62-0.49

MODEL: 42+00.00 [Sheet] PAPERSIZE: 17x11(in) DATE: 9/28/2021 TIME: 11:25:06 AM USER: Josh_Rognon
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01Active Projects\District 05\Licking\109329\401-Engineering.2LMN\Roadway\Sheets\109329_XS001.dgn

TABLE 1

CARRIED FROM SHEET	ITEM 203 EXCAVATION CU. YD.	ITEM 203 EMBANKMENT CU. YD.	ITEM 659 SEEDING AND MULCHING, CLASS 1 SQ. YD.	ITEM 671 EROSION CONTROL MAT, TYPE 1 SQ. YD.
P 34	44	34	277	69
P 35	160	113	659	117
P 36	277	143	664	78
P 37	408	125	725	48
P 38	852	167	1170	109
P 39	440	266	1000	117
P 40	470	297	942	117
P 41	618	239	656	70
P 42	563	293	966	107
P 43	364	338	875	117
P 44	389	300	964	117
P 45	449	246	1003	117
P 46	300	256	987	117
P 47	189	49	505	0
P 48	104	61	450	78
P 49	95	84	456	98
THIS SHEET	8	10	63	25
P 52	34	21	120	
P 53	22	2	105	
P 55	23	11	139	
P 56	39	14	243	
P 57	9	3	74	
TOTALS	5,857	3,072	13,043	1,501

ITEM 659 SEEDING AND MULCHING QUANTITY CARRIED TO SHEET P 6
ALL OTHER QUANTITIES CARRIED TO GENERAL SUMMARY

TABLE 2

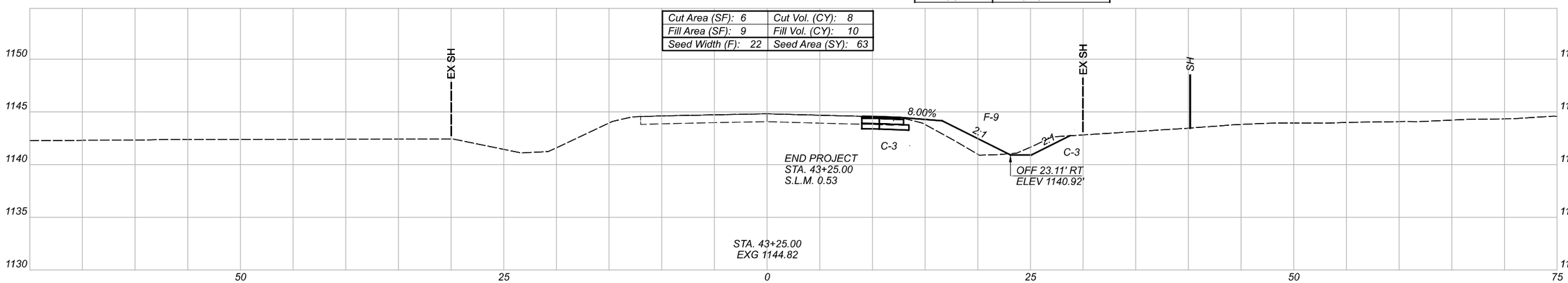
CARRIED FROM SHEET	ITEM 203 GRANULAR MATERIAL, TYPE D CU. YD.	ITEM 204 GEOTEXTILE FABRIC SQ. YD.
P 36	80	264
P 37	77	256
P 38	97	369
P 39	144	481
P 40	195	597
P 41	192	647
P 42	209	658
P 43	208	636
P 44	171	545
P 45	152	462
P 46	76	268
TOTALS	1,601	5,183

QUANTITIES CARRIED TO GENERAL SUMMARY

AREA FOR 671 EROSION CONTROL MAT

Width (F) 7	Area (SY)25

Cut Area (SF): 6	Cut Vol. (CY): 8
Fill Area (SF): 9	Fill Vol. (CY): 10
Seed Width (F): 22	Seed Area (SY): 63



QUANTITIES CARRIED TO THIS SHEET

Sheet Total
Erosion Control Mat
25

Sheet Totals		
Seeding	Cut	Fill
63	8	10

CROSS SECTIONS
U.S. 62

DESIGN AGENCY
2LMN
DESIGNER
JJR
REVIEWER
ALL 7-8-21
PROJECT ID
109329
SHEET P 50
TOTAL P 87

LIC-62-0.49

MODEL: 43+25.00 [Sheet] PAPERSIZE: 17x11(in) DATE: 9/28/2021 TIME: 11:25:09 AM USER: Josh_Rognon
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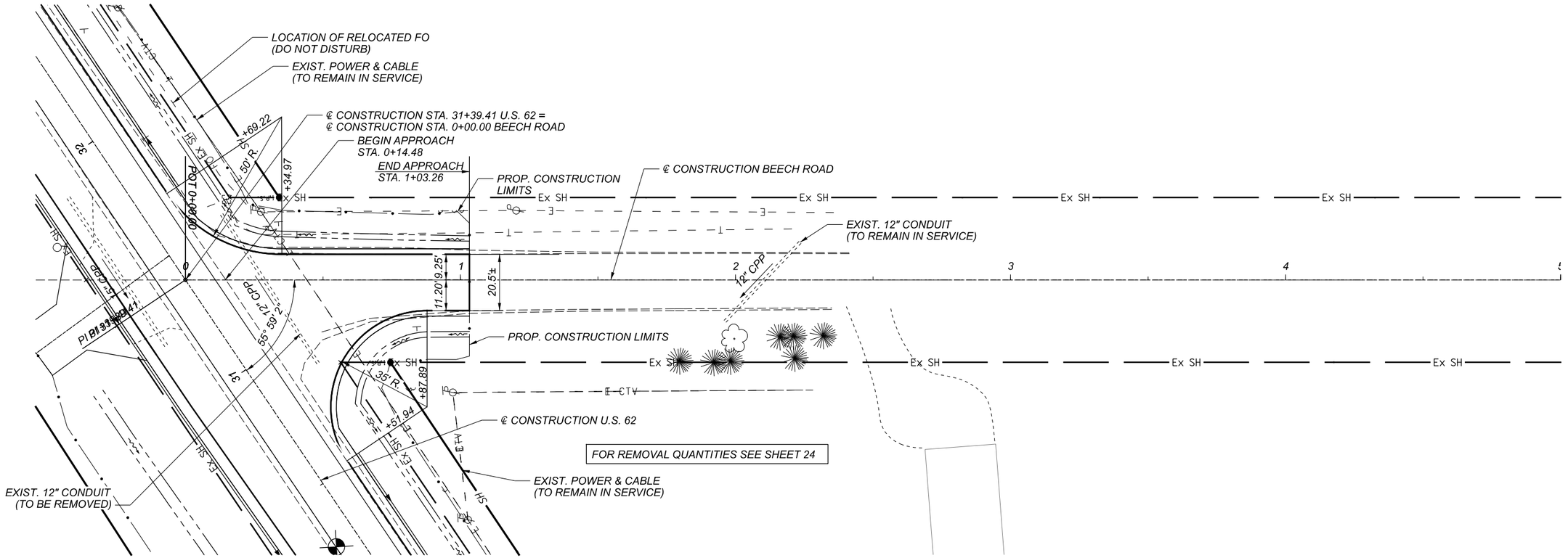

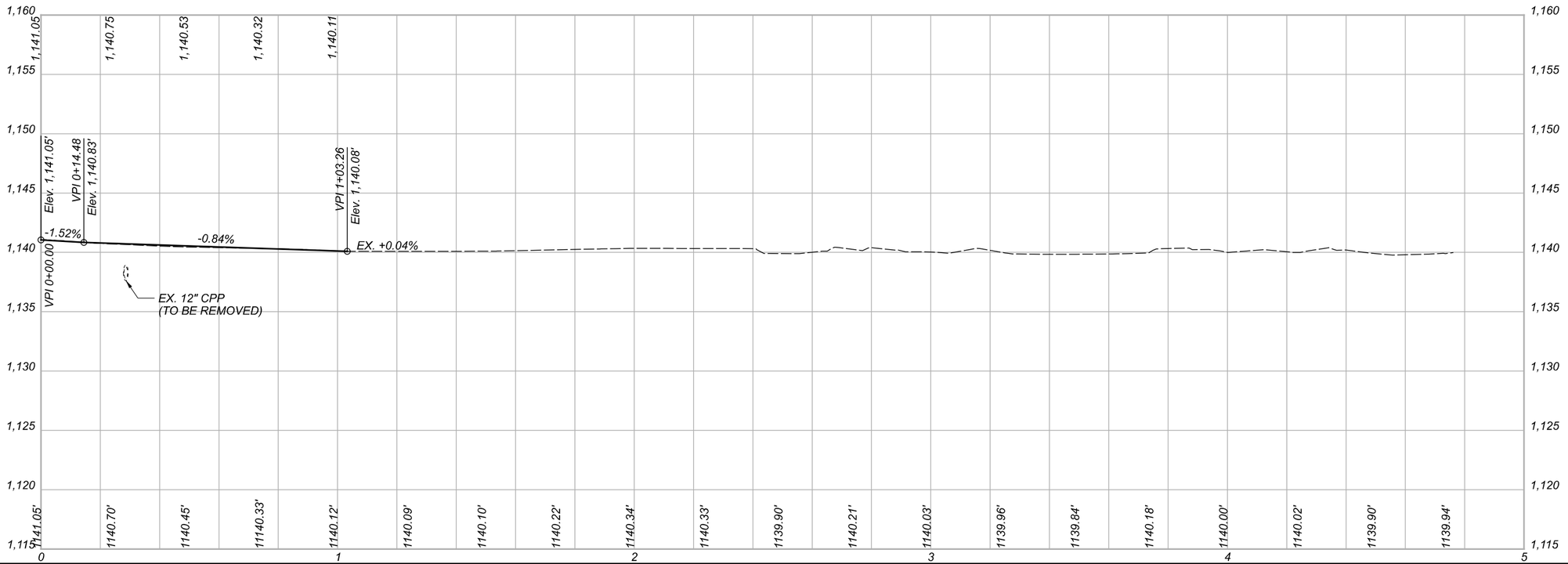

HORIZONTAL
SCALE IN FEET
0 10 20 40

PLAN AND PROFILE
BEECH ROAD

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 51 TOTAL P 87

LIC-62-0.49

MODEL: Plan (Sheet) PAPERSIZE: 17x11 (in.) DATE: 9/28/2021 TIME: 11:25:26 AM USER: Josh.Rognon
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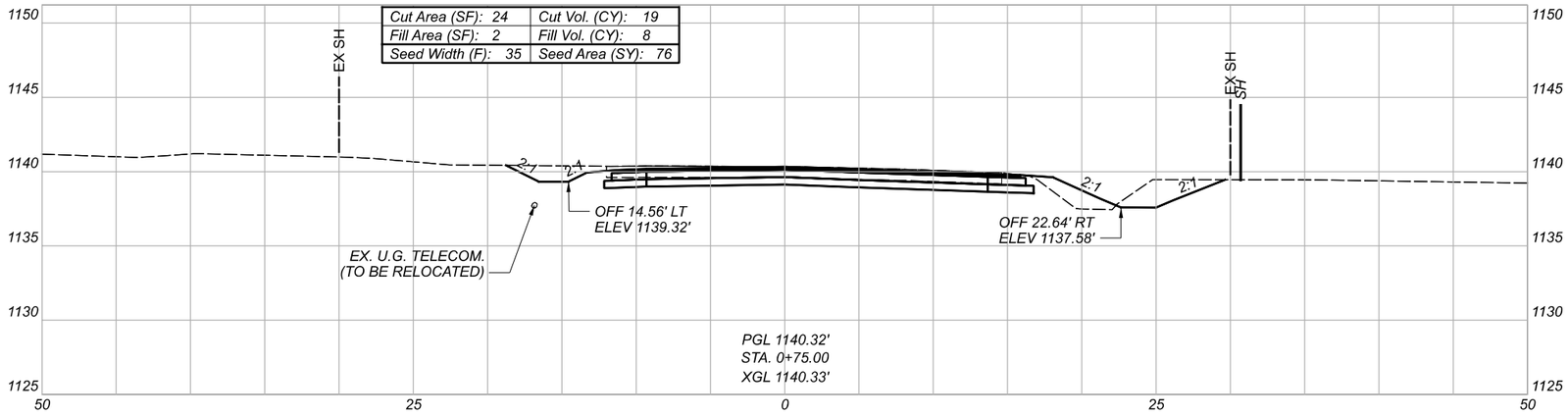
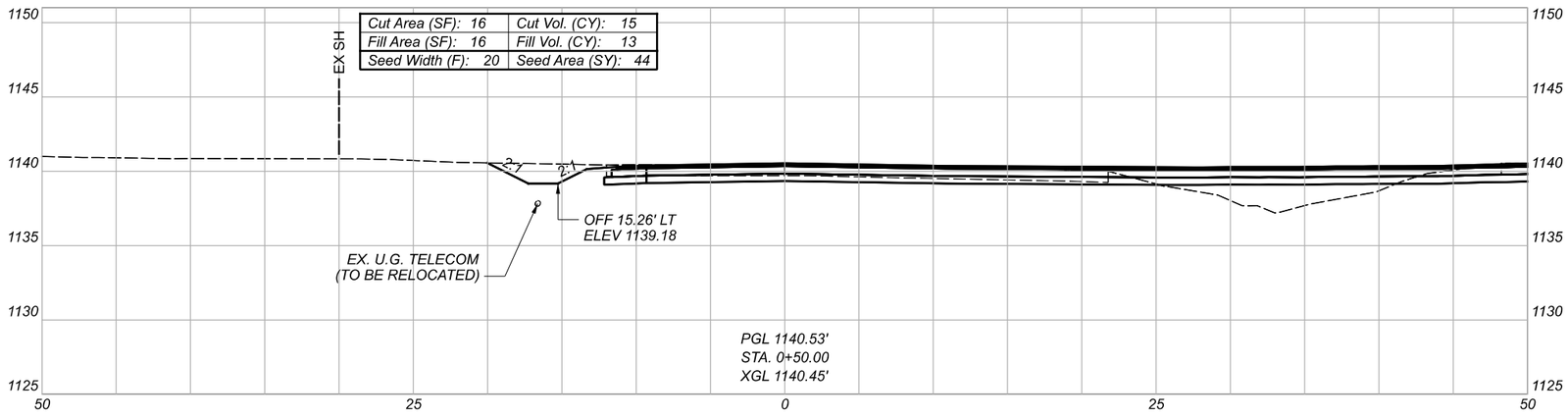
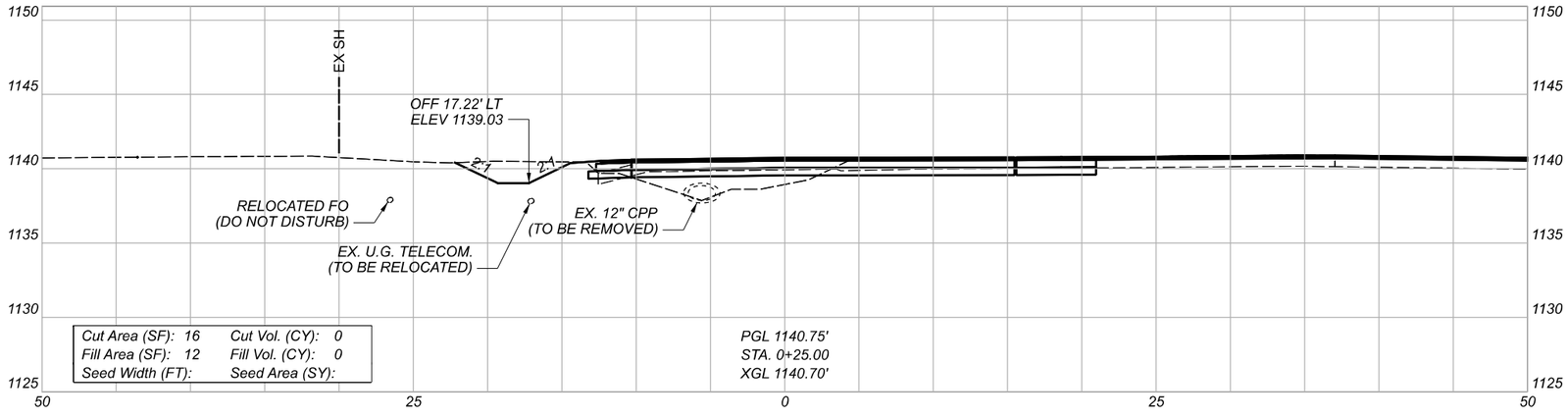






QUANTITIES CARRIED TO SHEET P 50

Sheet Totals		
Seeding	Cut	Fill
120	34	21

CROSS SECTIONS
BEECH ROAD

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

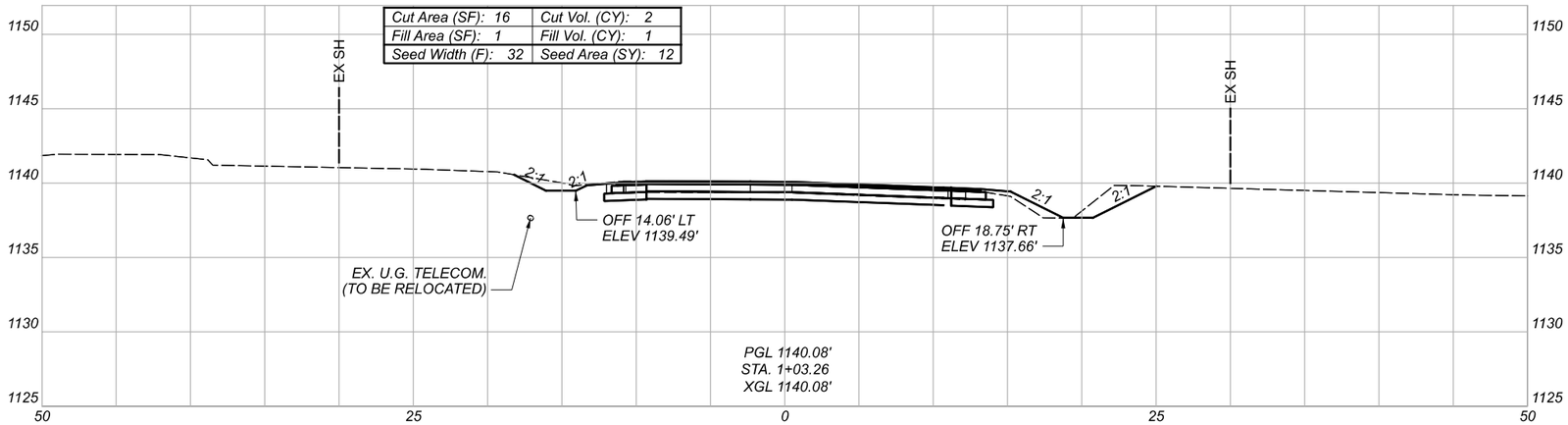
PROJECT ID
109329

SHEET P 52 TOTAL P 87

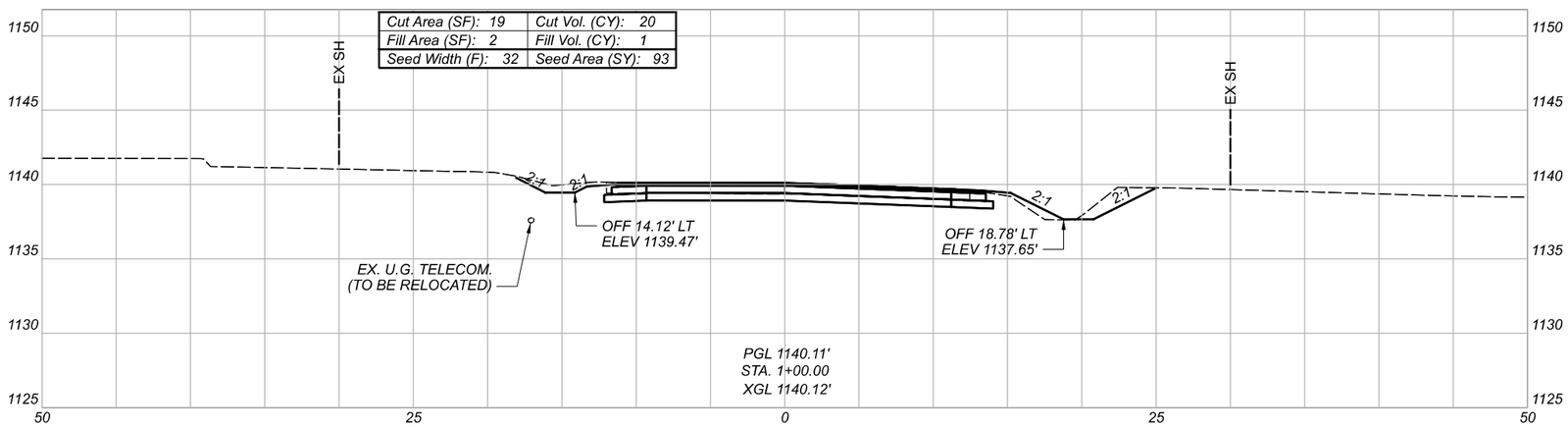
LIC-62-0.49

CROSS SECTIONS
BEECH ROAD

Cut Area (SF): 16	Cut Vol. (CY): 2
Fill Area (SF): 1	Fill Vol. (CY): 1
Seed Width (F): 32	Seed Area (SY): 12



Cut Area (SF): 19	Cut Vol. (CY): 20
Fill Area (SF): 2	Fill Vol. (CY): 1
Seed Width (F): 32	Seed Area (SY): 93



QUANTITIES CARRIED TO SHEET P 50

Sheet Totals		
Seeding	Cut	Fill
105	22	2

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 53 TOTAL P 87

LIC-62-0.49

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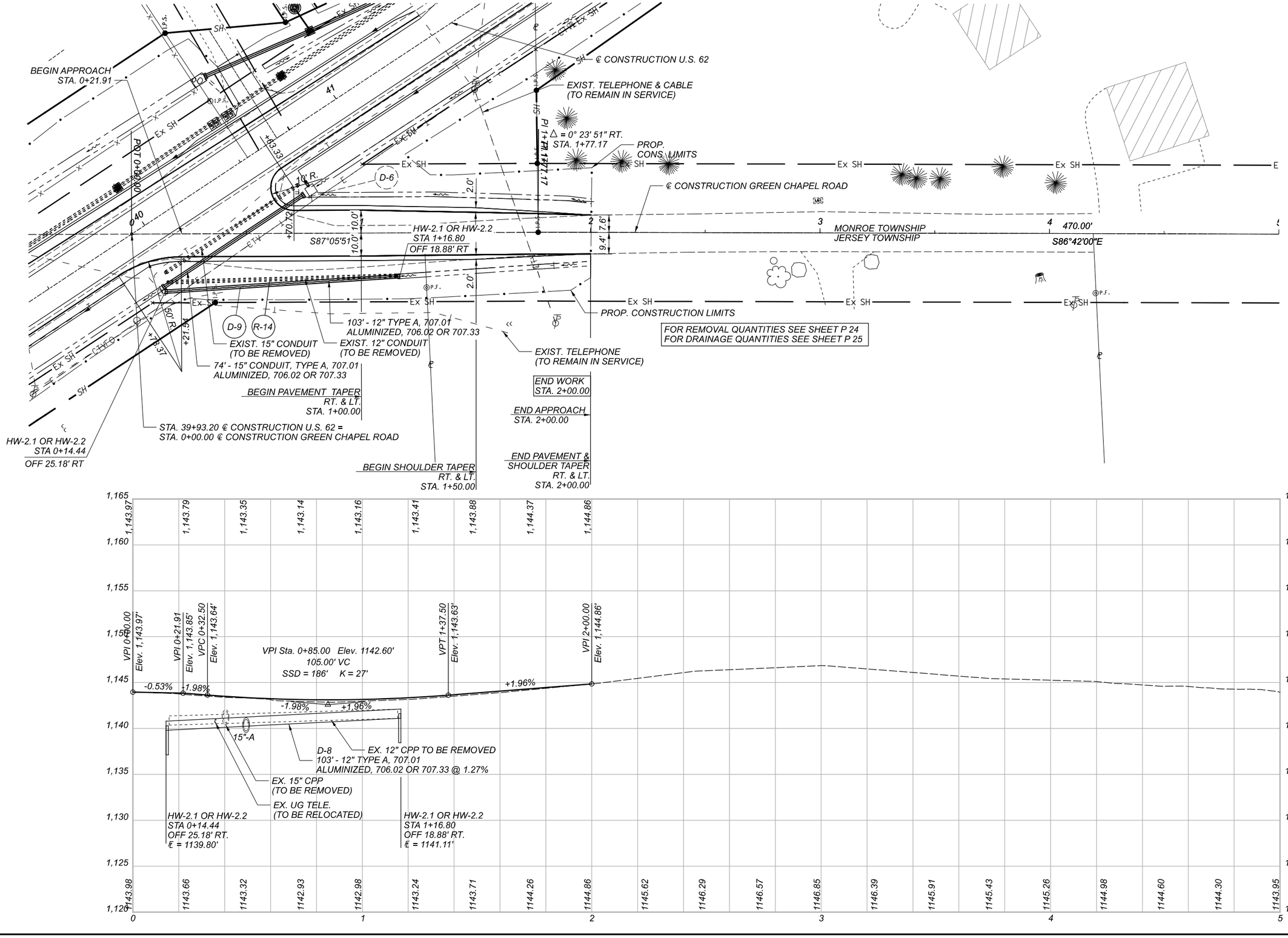

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE
GREEN CHAPEL ROAD

DESIGN AGENCY
2LMN

DESIGNER	JJR
REVIEWER	ALL 7-8-21
PROJECT ID	109329
SHEET	P 54
TOTAL	P 87

LIC-62-0.49

MODEL: Plan 3 [Sheet] PAPERSIZE: 17x11(in.) DATE: 9/28/2021 TIME: 11:26:05 AM USER: Josh.Rognon
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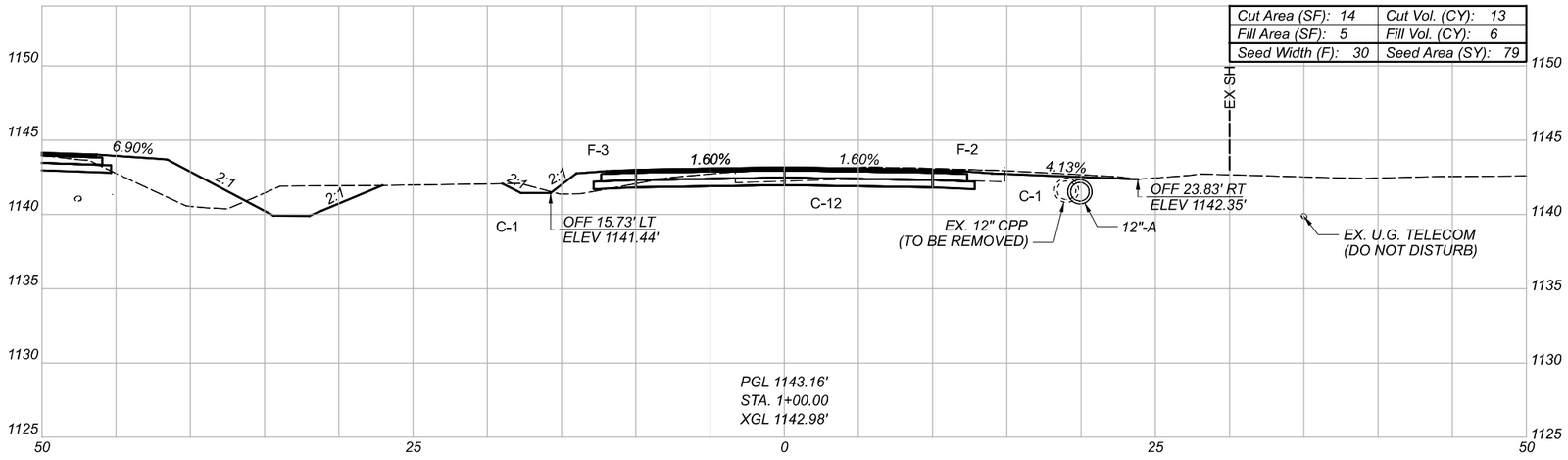

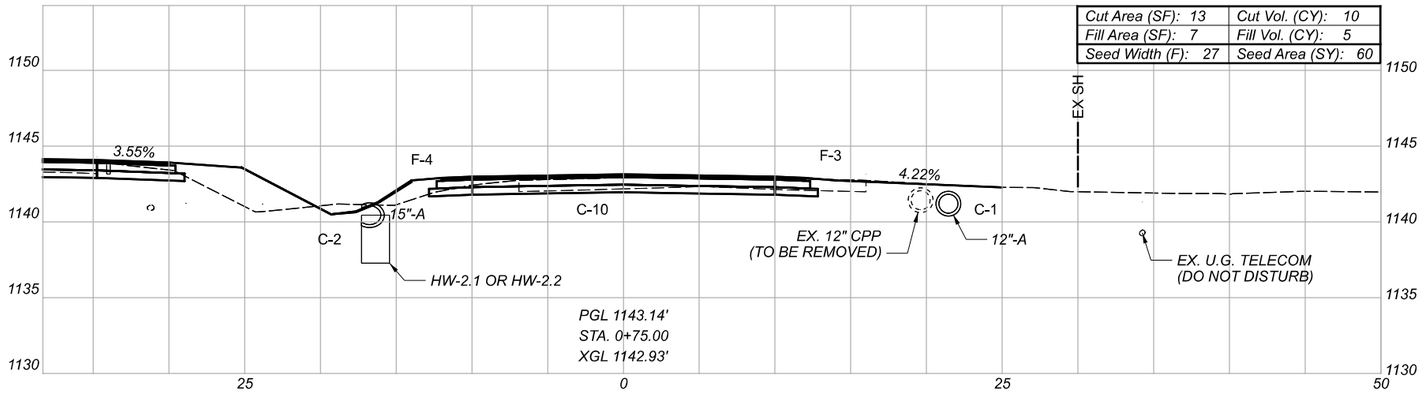

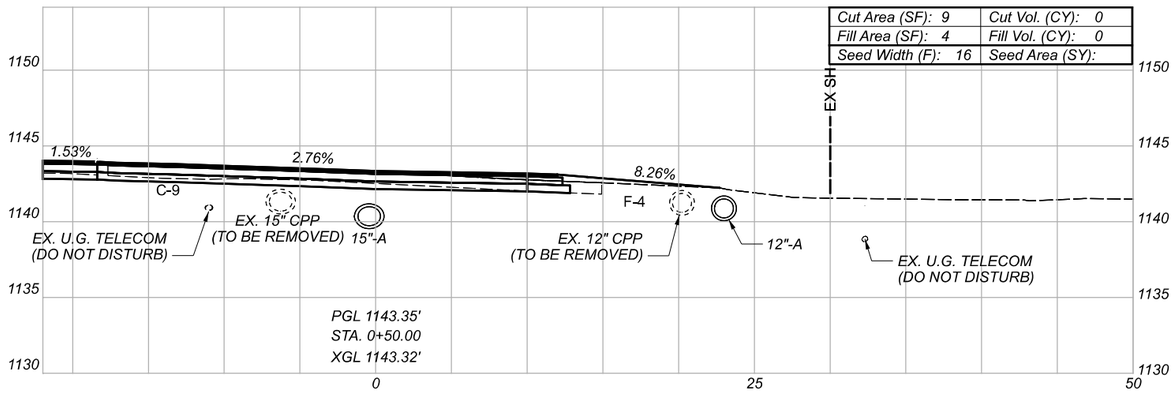

QUANTITIES CARRIED TO SHEET P 50

Sheet Totals		
Seeding	Cut	Fill
139	23	11

CROSS SECTIONS
GREEN CHAPEL HILL ROAD

DESIGN AGENCY: 2LMN

DESIGNER: JJR

REVIEWER: ALL 7-8-21

PROJECT ID: 109329

SHEET: P 55 TOTAL: P 87

LIC-62-0.49

MODEL: 0+50.00 [Sheet] PAPERSIZE: 17x11(in) DATE: 9/28/2021 TIME: 11:26:25 AM USER: Josh_Rognon
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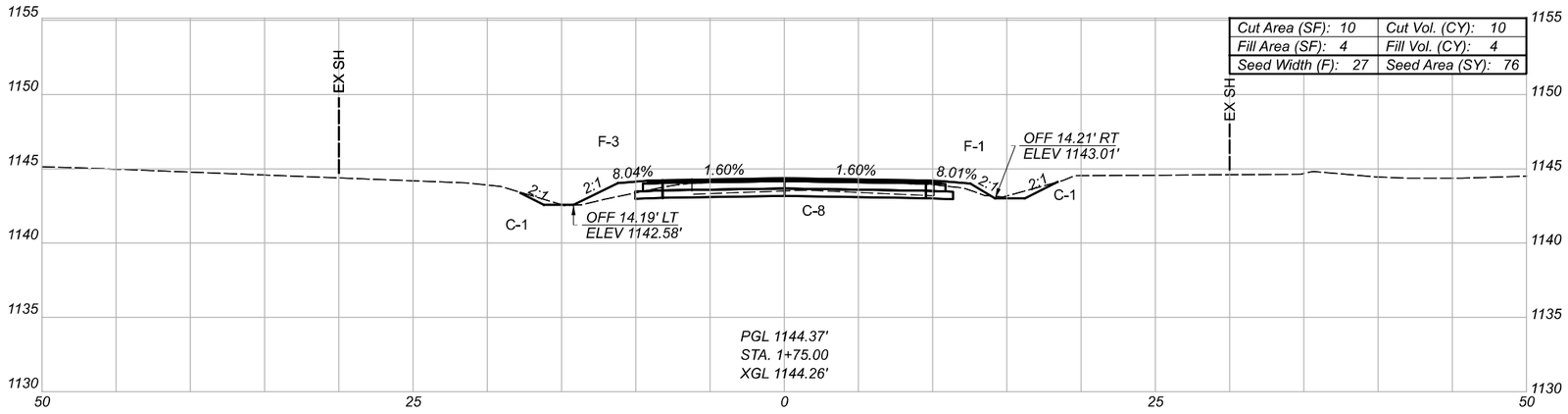
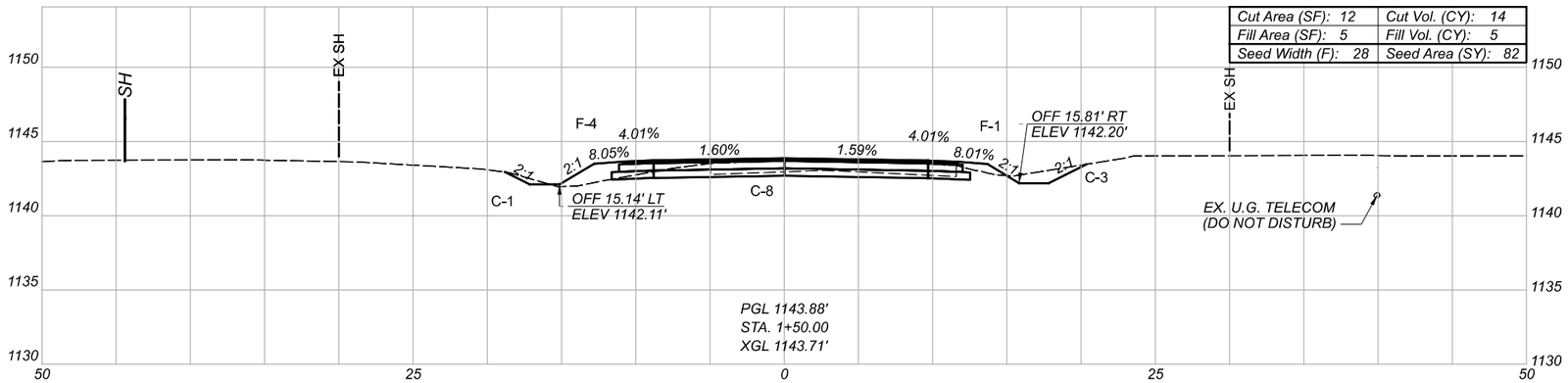
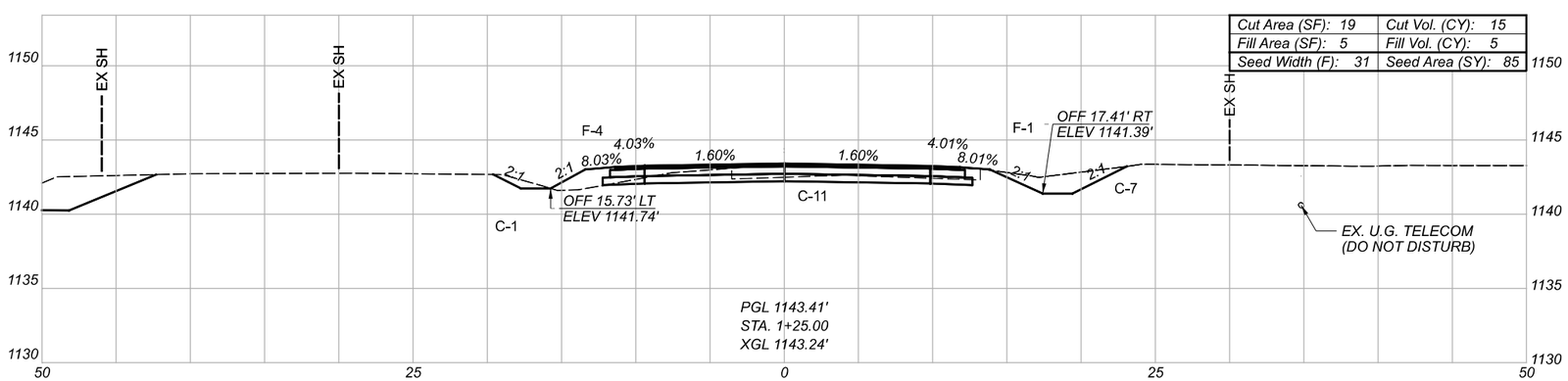


Cut Area (SF): 10	Cut Vol. (CY): 10
Fill Area (SF): 4	Fill Vol. (CY): 4
Seed Width (F): 27	Seed Area (SY): 76



Cut Area (SF): 12	Cut Vol. (CY): 14
Fill Area (SF): 5	Fill Vol. (CY): 5
Seed Width (F): 28	Seed Area (SY): 82



Cut Area (SF): 19	Cut Vol. (CY): 15
Fill Area (SF): 5	Fill Vol. (CY): 5
Seed Width (F): 31	Seed Area (SY): 85

QUANTITIES CARRIED TO SHEET P 50

CROSS SECTIONS
GREEN CHAPEL ROAD

Sheet Totals		
Seeding	Cut	Fill
243	39	14

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 56 TOTAL P 87

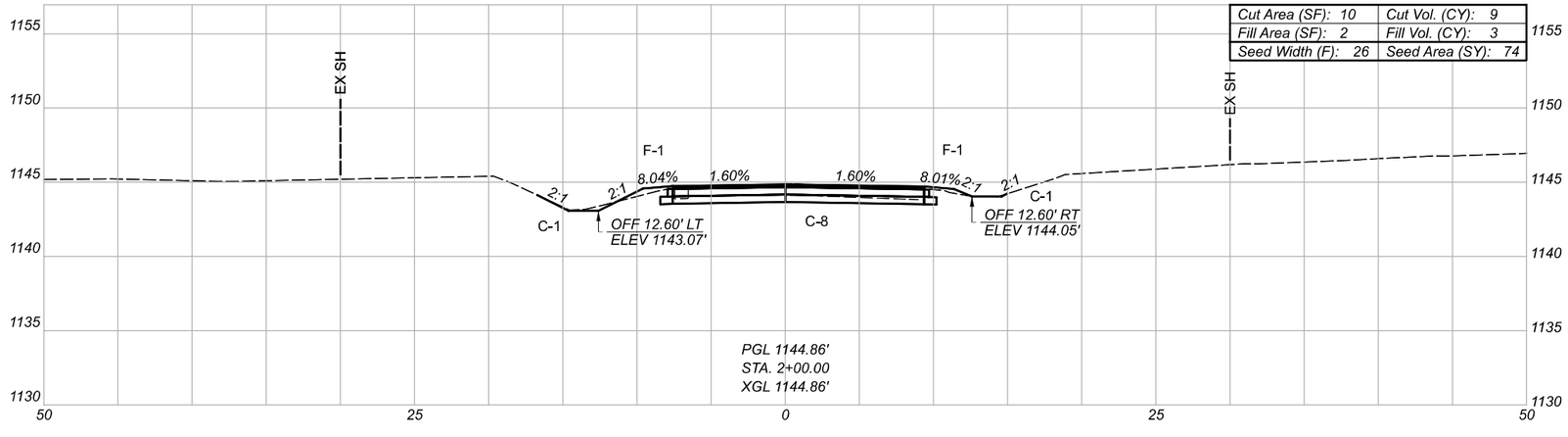
LIC-62-0.49

MODEL: I+25.00 [Sheet] PAPERSIZE: 17x11(in.) DATE: 9/28/2021 TIME: 11:26:31 AM USER: Josh.Rognon
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Licking\109329-401-Engineering_2LMN\Roadway\Sheets\109329_XS003.dgn

LIC-62-0.49

MODEL: 2+00.00 [Sheet] PAPERSIZE: 17x11 (in.) DATE: 9/28/2021 TIME: 11:26:36 AM USER: Josh.Rognon
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Licking\109329\40i-Engineering_2LMN\Roadway\Sheets\109329_XS003.dgn

CROSS SECTIONS
GREEN CHAPEL ROAD



Cut Area (SF): 10	Cut Vol. (CY): 9
Fill Area (SF): 2	Fill Vol. (CY): 3
Seed Width (F): 26	Seed Area (SY): 74

QUANTITIES CARRIED TO SHEET P 50

Sheet Totals		
Seeding	Cut	Fill
74	9	3

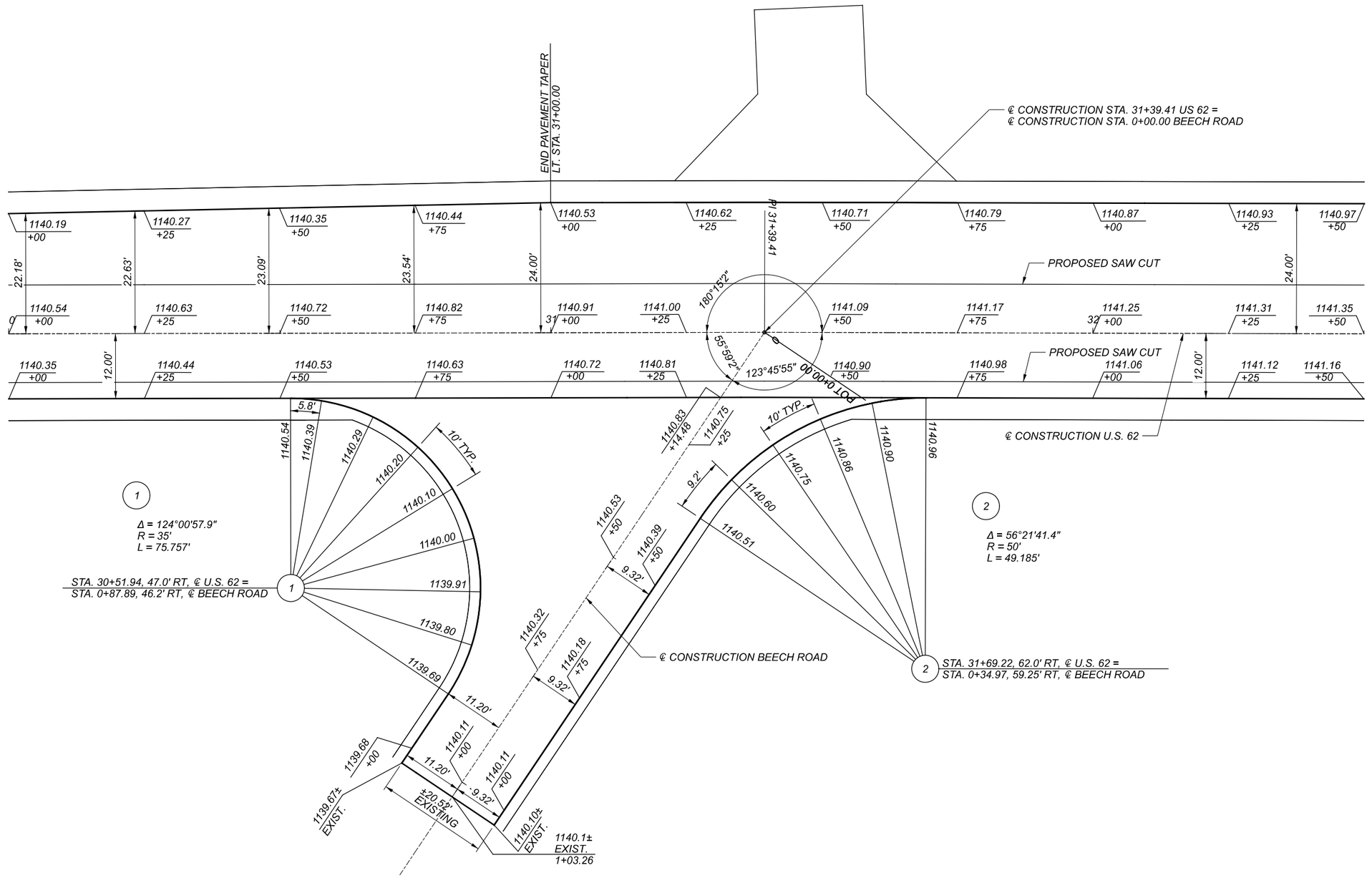
DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET	TOTAL
P 57	P 87



HORIZONTAL SCALE IN FEET
0 5 10 20

INTERSECTION DETAIL US 62 & BEECH ROAD

LIC-62-0.49

MODEL: Plan [Sheet] PAPERSIZE: 17x11(in.) DATE: 9/28/2021 TIME: 11:26:52 AM USER: Josh.Rognon
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01Active Projects\District 05\Licking\109329\40i-Engineering-2LMN\Roadway\Sheets\109329_GI001.dgn

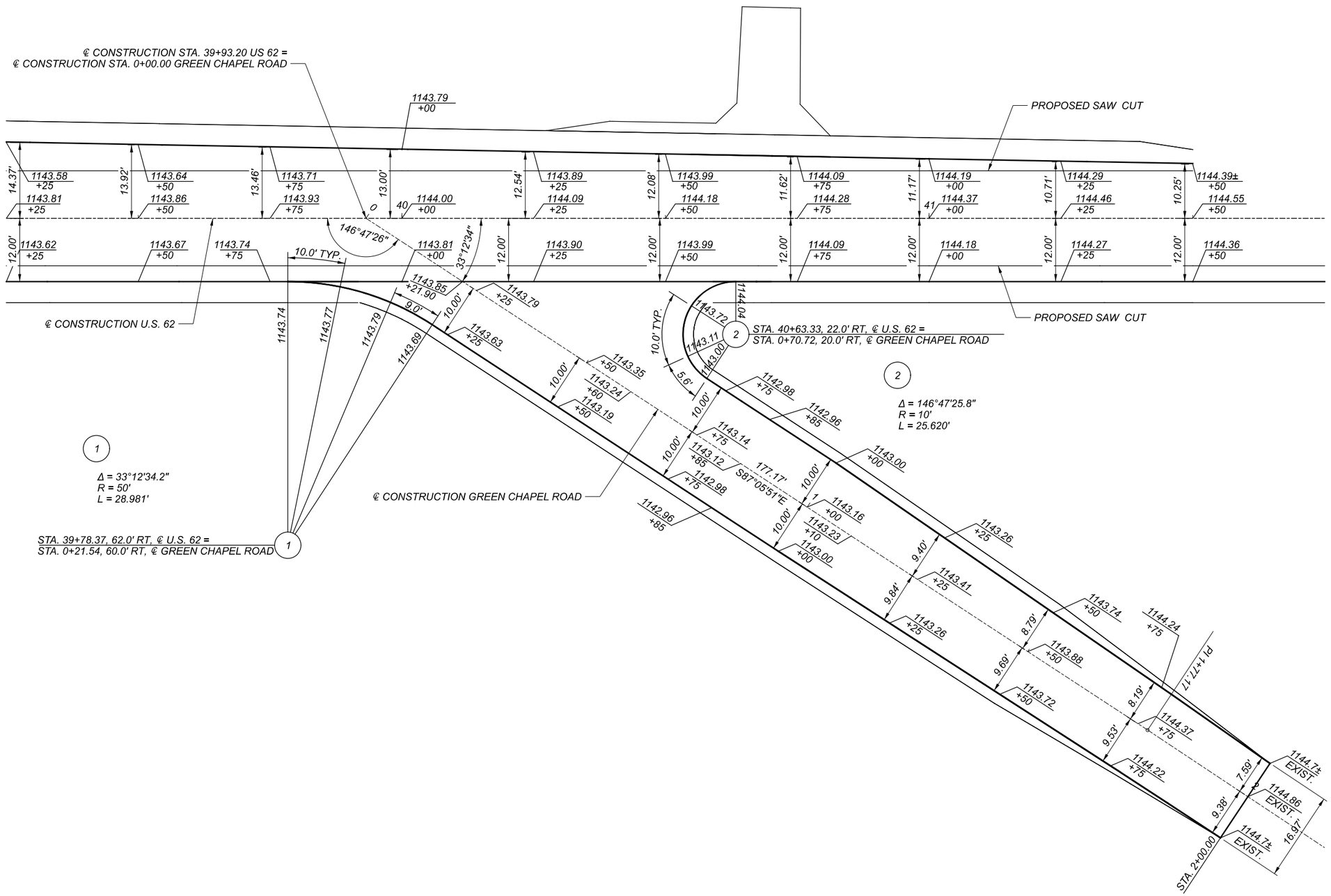
DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 58 TOTAL P 87



HORIZONTAL SCALE IN FEET
0 5 10 20

INTERSECTION DETAIL
US 62 & GREEN CHAPEL ROAD

DESIGN AGENCY
2LMN

DESIGNER JJR
REVIEWER ALL 7-8-21
PROJECT ID 109329
SHEET P 59 TOTAL P 87

LIC-62-0.49

MODEL: Plan 2 [Sheet] PAPERSIZE: 17x11(in.) DATE: 9/28/2021 TIME: 12:27:09 AM USER: Josh_Rognon
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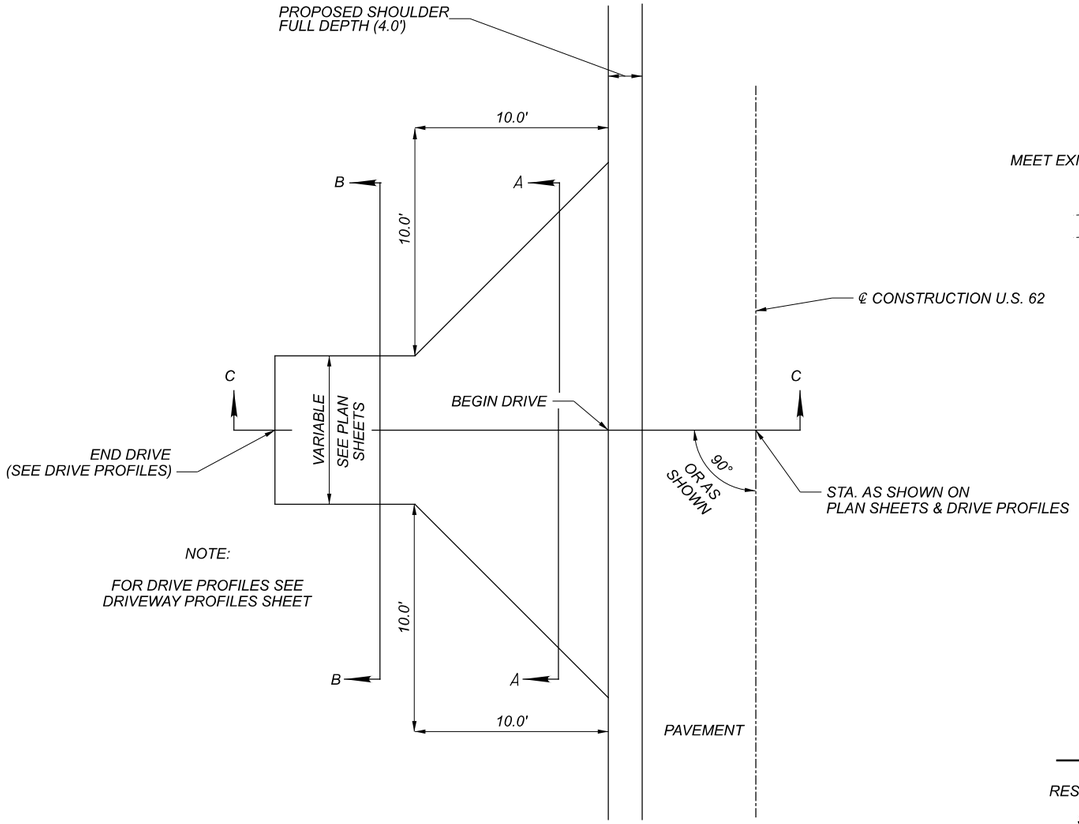
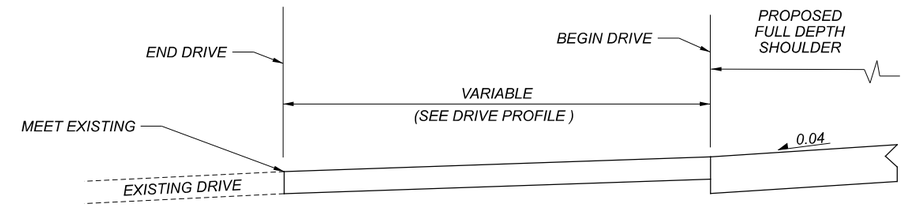
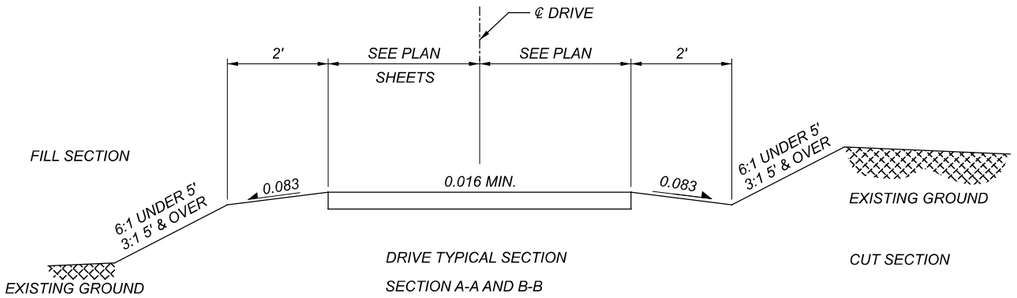




SECTION C-C



DRIVE PAVEMENT BUILDUPS

RESIDENTIAL: EXISTING AGGREGATE DRIVES

SECTION A-A AND B-B

ITEM 441 - 1 ¼" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), (DRIVEWAYS)
ITEM 301 - 3 ½" ASPHALT CONCRETE BASE PG64-22 (DRIVEWAYS)
ITEM 407 - NON-TRACKING TACK COAT @ 0.06 GAL./S.Y.
ITEM 204 - SUBGRADE COMPACTION

RESIDENTIAL: ASPHALT DRIVES

SECTION A-A AND B-B

ITEM 441 - 1 ¼" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), (DRIVEWAYS)
ITEM 301 - 3 ½" ASPHALT CONCRETE BASE PG64-22 (DRIVEWAYS)
ITEM 407 - NON-TRACKING TACK COAT @ 0.06 GAL./S.Y.
ITEM 204 - SUBGRADE COMPACTION

FIELD DRIVES

SECTION A-A AND B-B

ITEM 304 - 8" AGGREGATE BASE

DRIVEWAY DETAILS

LIC-62-0.49

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 9/28/2021 TIME: 11:27:24 AM USER: Josh_Rognon
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DESIGN AGENCY
2LMN

DESIGNER
JJR

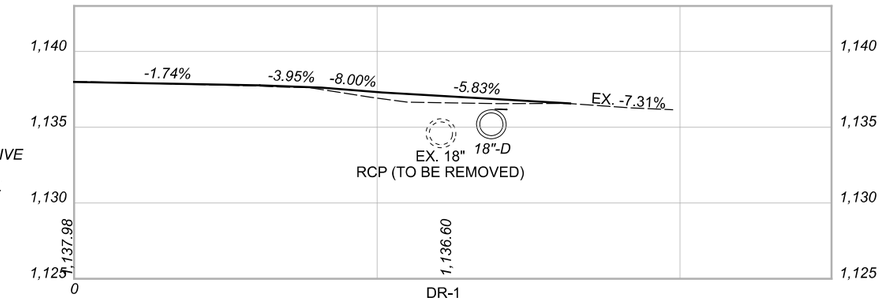
REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 60 TOTAL P 87

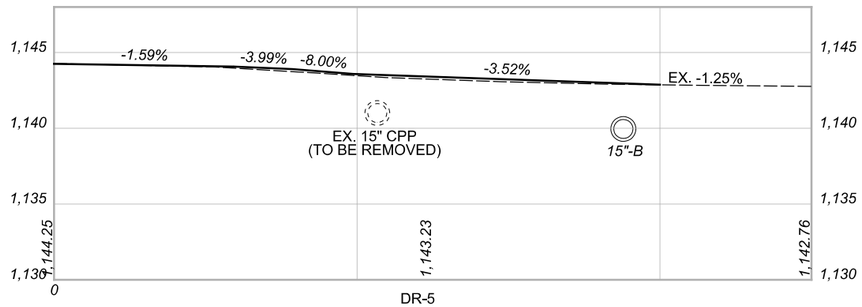
DRIVEWAY PROFILES

RESIDENTIAL DRIVE (GRAVEL):
STA. 23+40.00 RT.



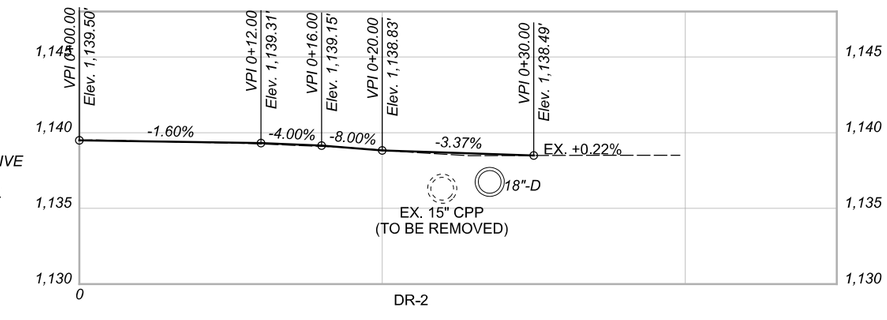
DR-1

RESIDENTAIL DRIVE (GRAVEL):
STA. 40+69.00 LT.



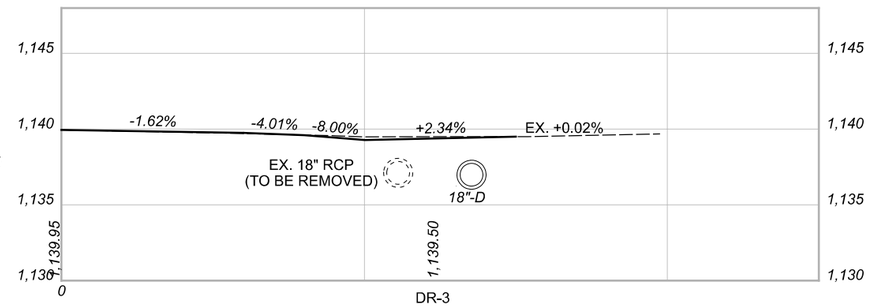
DR-5

RESIDENTIAL DRIVE (ASPHALT):
STA. 25+18.00 RT.



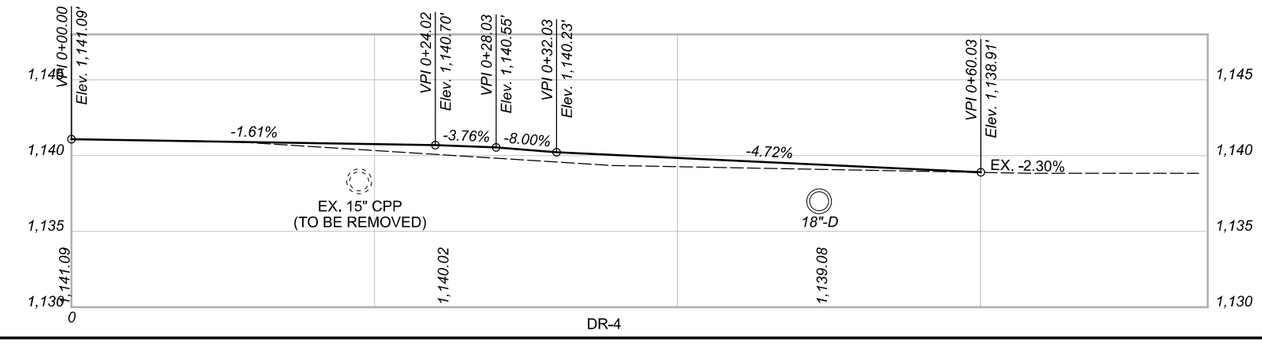
DR-2

RESIDENTIAL DRIVE (GRAVEL):
STA. 26+10.00 RT.



DR-3

FIELD DRIVE:
STA. 31+50.00 LT.



DR-4

LIC-62-0.49

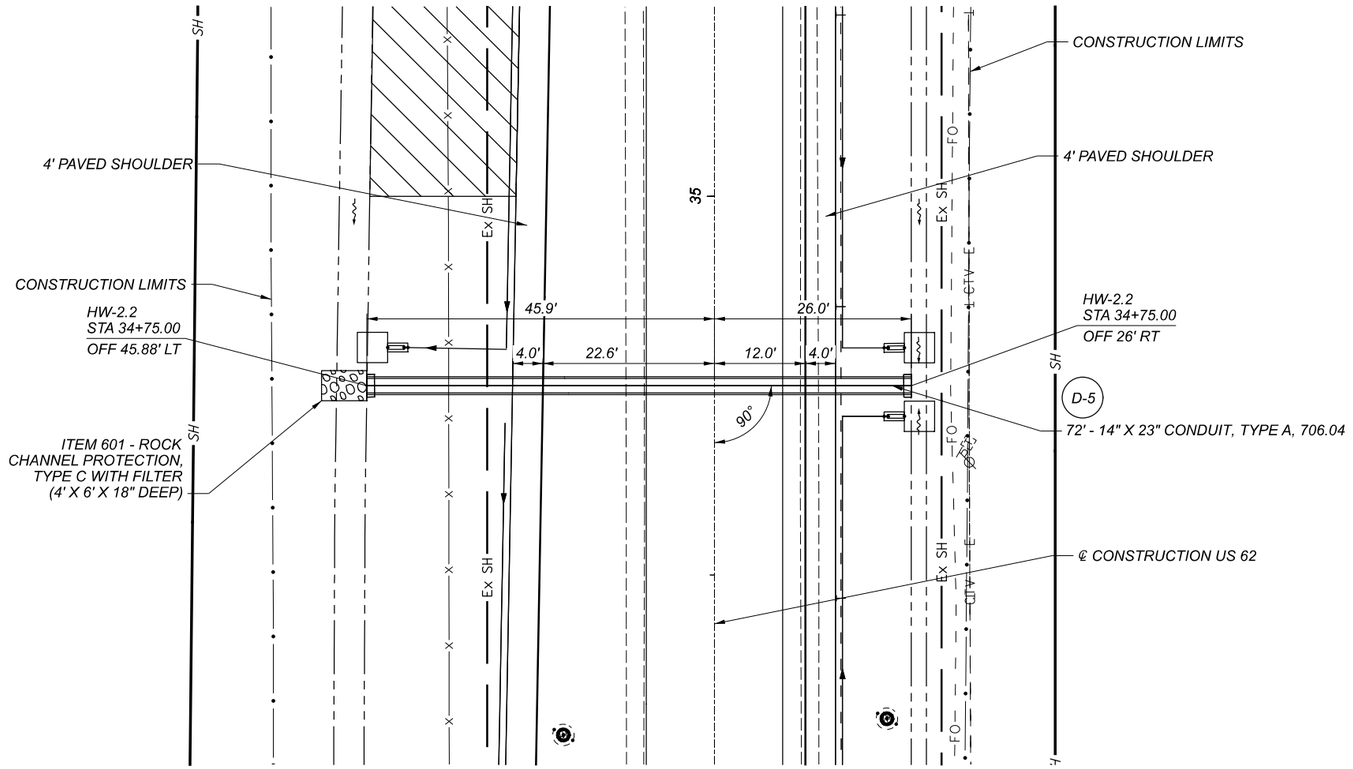
DESIGN AGENCY
2LMN

DESIGNER
JJR

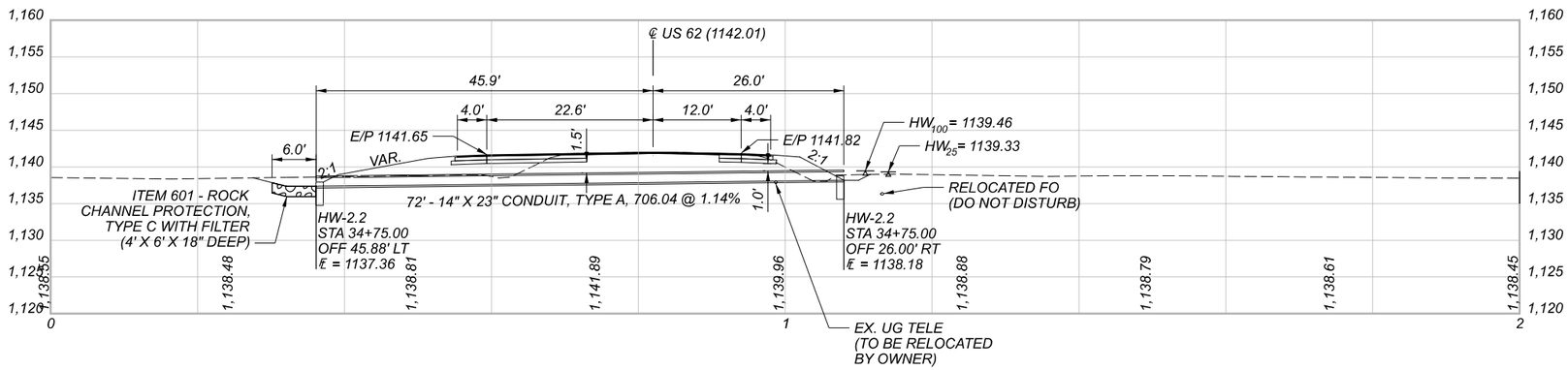
REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 61 TOTAL P 87



HYDRAULIC DESIGN DATA	
DRAINAGE AREA	2.15 ACRES
Q_{25}	6.05 CFS
Q_{100}	7.09 CFS
HW_{25}	1139.33
HW_{100}	1139.46
V_{25}	8.84 FPS
V_{100}	9.30 FPS



HORIZONTAL SCALE IN FEET
0 5 10 20

CULVERT DETAILS 34+75

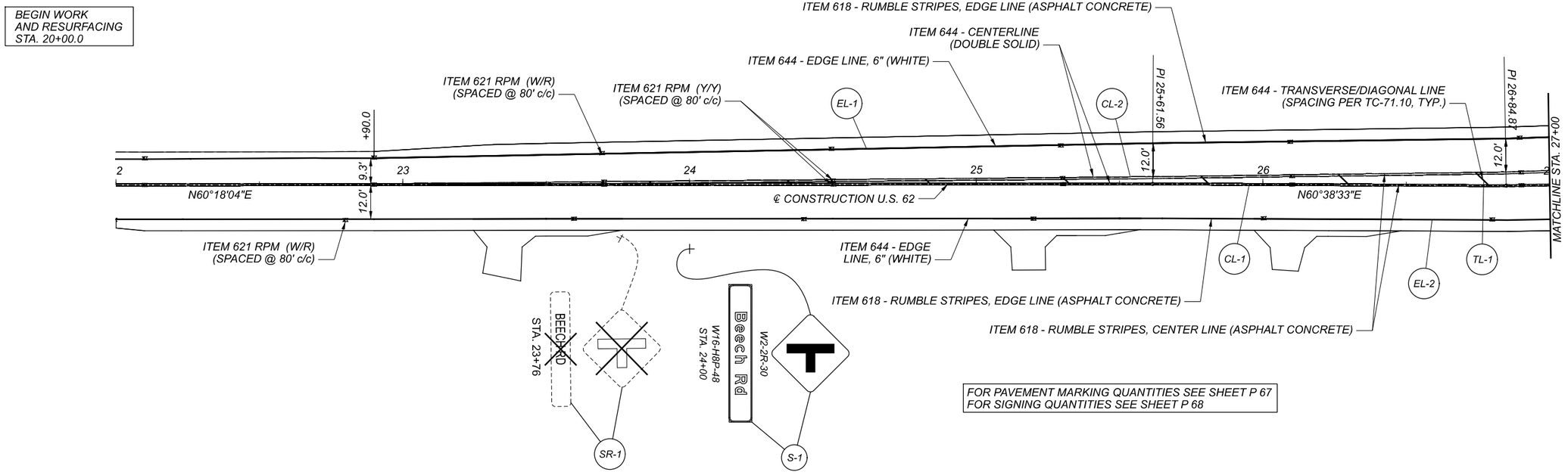
DESIGN AGENCY
2LMN

DESIGNER JJR
REVIEWER ALL 7-8-21
PROJECT ID 109329
SHEET P 62 TOTAL P 87

LIC-62-0.49

SIGNING LEGEND:

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



FOR PAVEMENT MARKING QUANTITIES SEE SHEET P 67
FOR SIGNING QUANTITIES SEE SHEET P 68

HORIZONTAL SCALE IN FEET
0 10 20 40

TRAFFIC CONTROL U.S. 62

DESIGN AGENCY
2LMN

DESIGNER JJR
REVIEWER ALL 7-8-21
PROJECT ID 109329
SHEET P 63 TOTAL P 87

LIC-62-0.49

MODEL: Plan [Sheet] PAPERSIZE: 17x11(in.) DATE: 9/28/2021 TIME: 11:28:20 AM USER: Josh.Rognon
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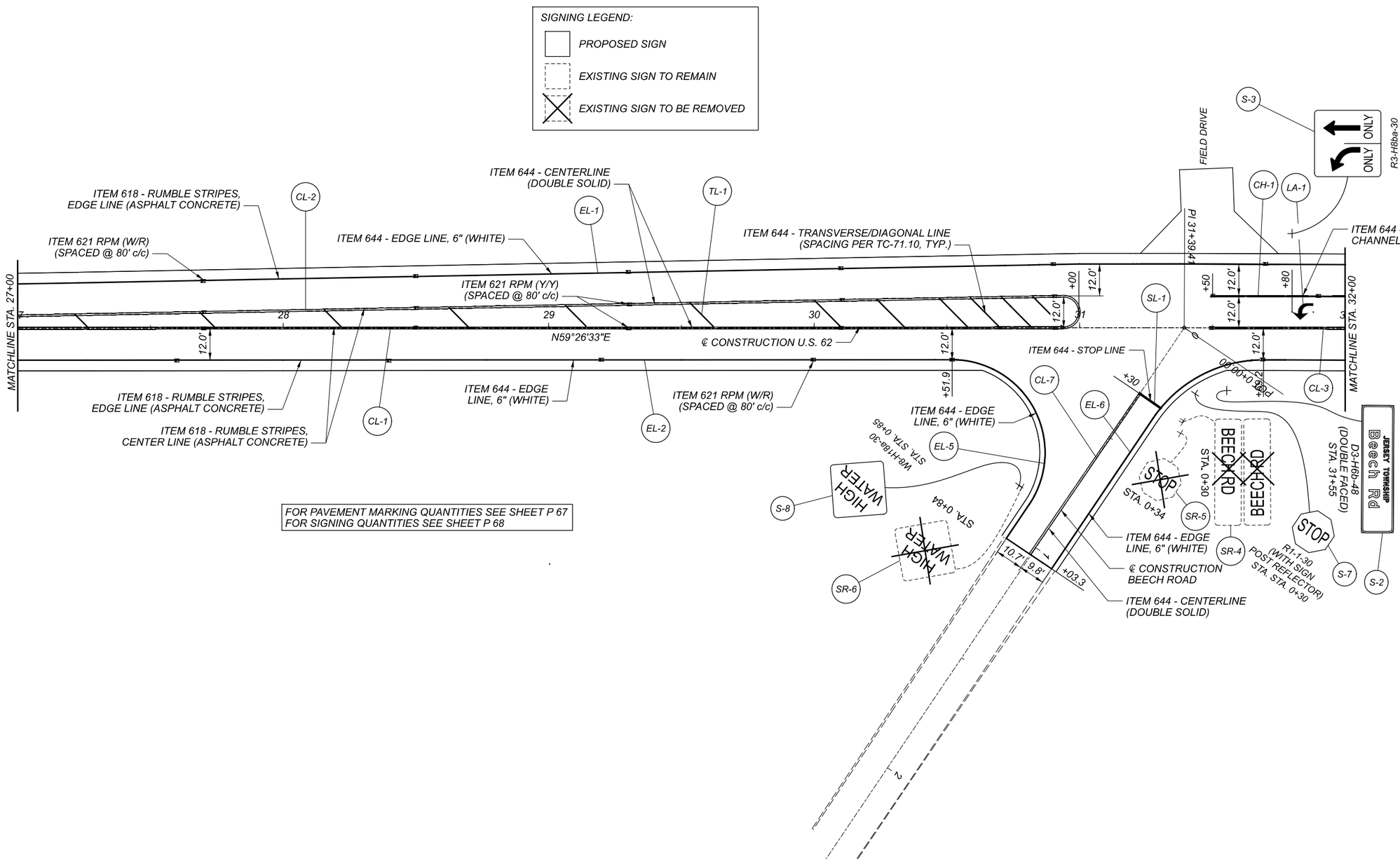

FOR PAVEMENT MARKING QUANTITIES SEE SHEET P 67
FOR SIGNING QUANTITIES SEE SHEET P 68

HORIZONTAL SCALE IN FEET
0 10 20 40

TRAFFIC CONTROL
U.S. 62

LIC-62-0.49

DESIGN AGENCY
2LMN

DESIGNER	JJR
REVIEWER	ALL 7-8-21
PROJECT ID	109329
SHEET	P 64
TOTAL	P 87

MODEL: Plan 2 [Sheet] PAPERSIZE: 17x11(in) DATE: 9/28/2021 TIME: 11:28:21 AM USER: Josh.Rognon
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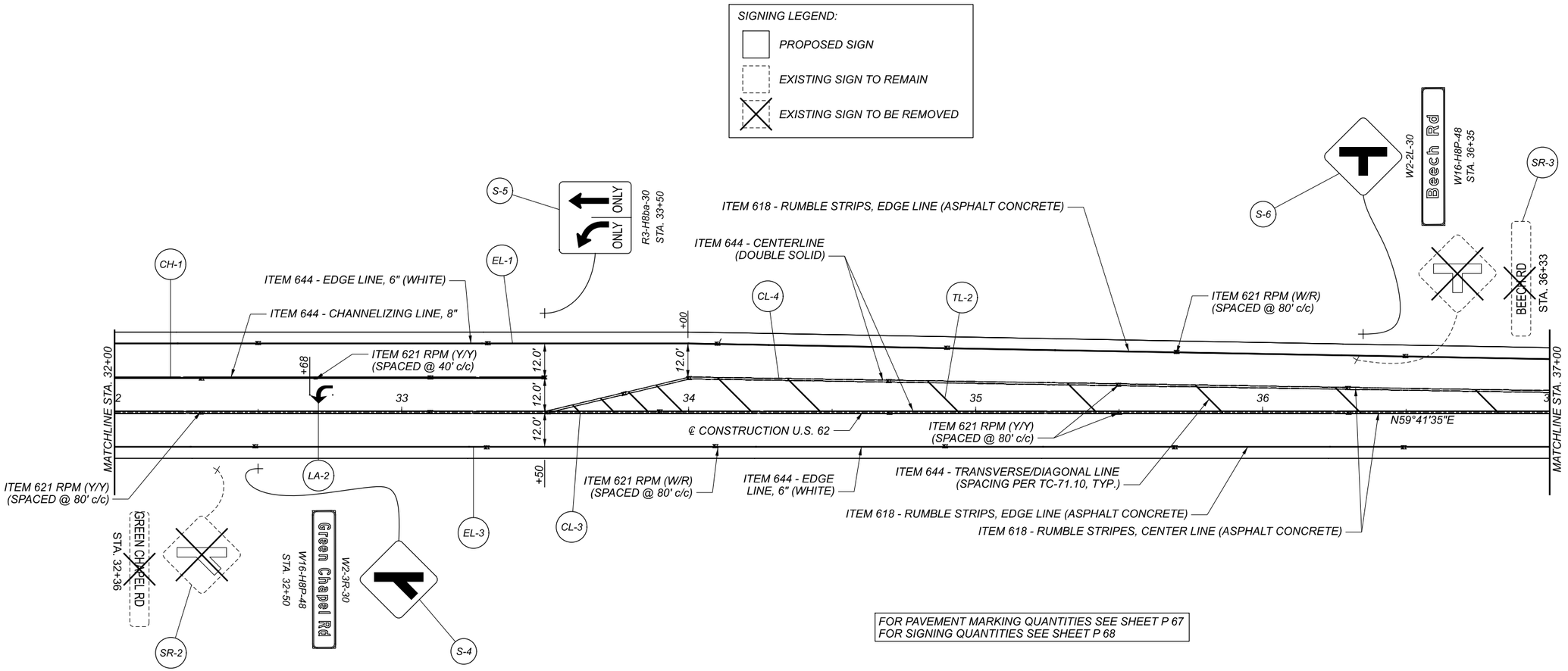

FOR PAVEMENT MARKING QUANTITIES SEE SHEET P 67
FOR SIGNING QUANTITIES SEE SHEET P 68

HORIZONTAL SCALE IN FEET
0 10 20 40

TRAFFIC CONTROL
U.S. 62

LIC-62-0.49

MODEL: Plan 3 [Sheet] PAPERSIZE: 17x11(in.) DATE: 9/28/2021 TIME: 11:28:22 AM USER: Josh_Rognon
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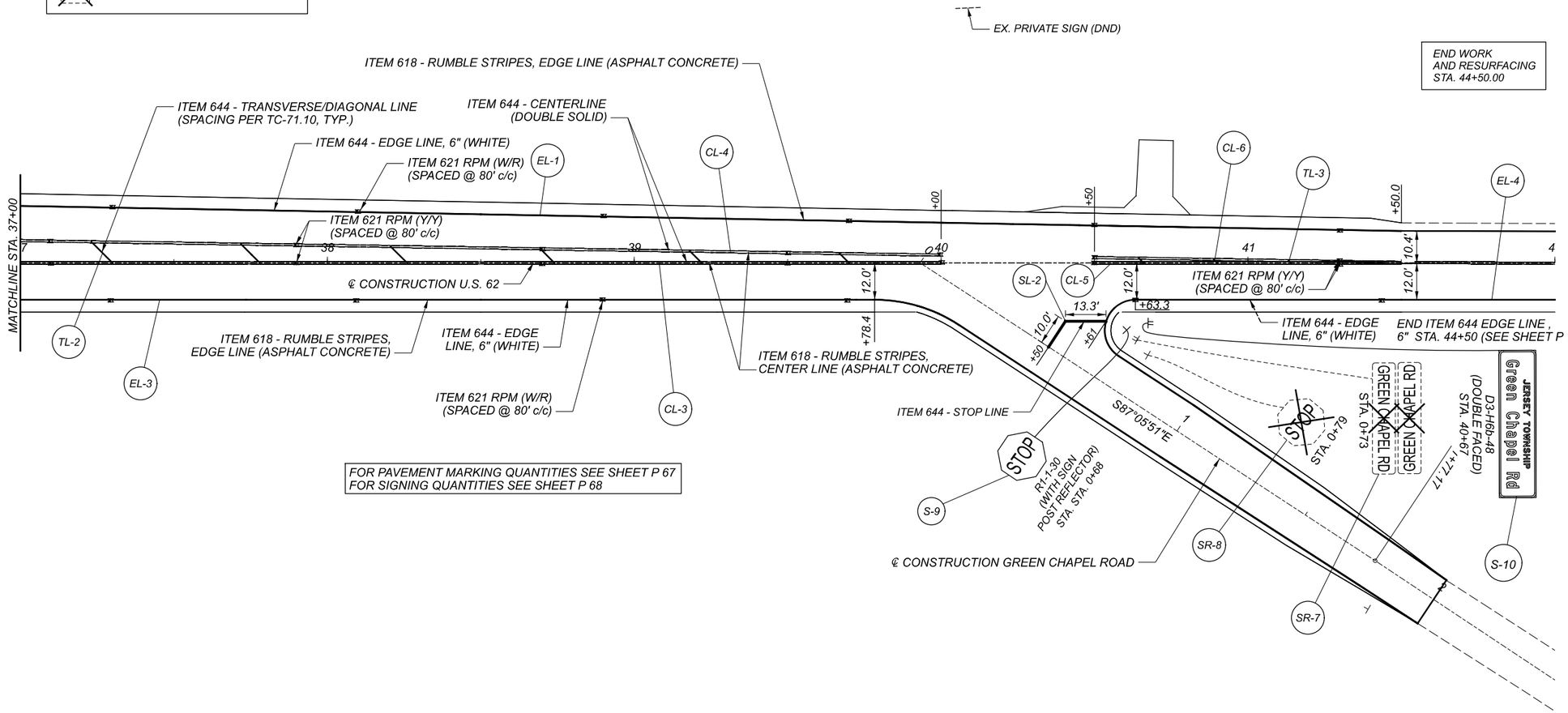
DESIGN AGENCY
2LMN

DESIGNER	JJR
REVIEWER	ALL 7-8-21
PROJECT ID	109329
SHEET	P 65
TOTAL	P 87

SIGNING LEGEND:

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



FOR PAVEMENT MARKING QUANTITIES SEE SHEET P 67
FOR SIGNING QUANTITIES SEE SHEET P 68

HORIZONTAL SCALE IN FEET
0 10 20 40

TRAFFIC CONTROL
U.S. 62

DESIGN AGENCY
2LMN

DESIGNER JJR
REVIEWER ALL 7-8-21
PROJECT ID 109329
SHEET P 66 TOTAL P 87

LIC-62-0.49

MODEL: Plan 4 [Sheet] PAPERSIZE: 17x11(in) DATE: 9/28/2021 TIME: 11:28:24 AM USER: Josh.Rognon
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PAVEMENT MARKING SUBSUMMARY

REF NO.	SHEET NO.	STATION TO STATION			644 EDGE LINE, 6"	644 CENTER LINE	644 CHANNELIZING LINE, 8"	644 STOP LINE	644 TRANSVERSE/DIAGONAL LINE	644 LANE ARROW			618 RUMBLE STRIPES, EDGE LINE (ASPHALT CONCRETE)	618 RUMBLE STRIPES, CENTER LINE (ASPHALT CONCRETE)			621 RAISED PAVEMENT MARKER REMOVED		621 RPM (W/R)	621 RPM (Y/Y)				
					MILE	MILE	FT	FT	FT	EACH			MILE	MILE			EACH		EACH	EACH				
		US 62																						
EL-1	P 63-P 66	20+00.0	TO	44+50.0	0.464								0.464						31					
EL-2	P 63 &P 64	20+00.0	TO	30+70.7	0.203								0.203						14					
EL-3	P 64-P 66	31+69.2	TO	39+78.4	0.153								0.153						11					
EL-4	P 66	40+63.3	TO	44+50.0	0.074								0.074						5					
CL-1	P 63 & P 64	20+00.0	TO	31+00.0		0.209								0.209						14				
CL-2	P 63 & P 64	22+90.0	TO	31+00.0		0.153								0.153						10				
CL-3	P 64-P 66	31+50.0	TO	40+00.0		0.161								0.161						12				
CL-4	P 65 & P 66	33+50.0	TO	40+00.0		0.123								0.123						11				
CL-5	P 66	40+50.0	TO	41+50.0		0.019								0.019						2				
CL-6	P 66	40+50.0	TO	44+50.0		0.076								0.076						5				
CH-1	P 64 & P 65	31+50.0	TO	33+50.0			200													6				
TL-1	P 63 & P 64	22+90.0	TO	31+00.0					175															
TL-2	P 65 & P 66	33+50.0	TO	40+00.0					171															
TL-3	P 66	40+50.0	TO	41+50.0					6															
LA-1	P 64	31+80.0								1														
LA-2	P 65	32+68.0								1														
		EXIST. US 62															26							
		BEECH ROAD																						
EL-5	P 64	30+51.9 US 62	TO	1+03.26	0.017																			
EL-6	P 64	0+30.0	TO	1+03.26	0.014																			
CL-7	P 64	0+30.0	TO	1+03.26		0.014																		
SL-1	P 64	0+30.0						10																
		GREEN CHAPEL ROAD																						
SL-2	P 66	0+50.0						24																
TOTALS CARRIED TO GENERAL SUMMARY					0.93	0.76	200	34	352	2			0.89	0.74			26		121					

LIC-62-0.49

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

PROJECT ID
109329

SHEET P 67 | TOTAL P 87

REF NO.	SHEET NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)	630 GROUND MOUNTED SUPPORT, NO. 3 POST (FT)	630 SIGN, FLAT SHEET (SF)	630 SIGN, DOUBLE FACED, STREET NAME (EACH)	630 REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL (EACH)	630 REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL (EACH)	630 SIGN POST REFLECTOR (EACH)
S-1	P 63	US 62	24+00	RT.	W2-2R-30	30x30	14	6.25				
					W16-H8P-48	48x8		2.67				
S-2	P 64	US 62	31+55	RT.	D3-H6b-48	48x12	11.0-11.5		4			
S-3	P 64	US 62	31+80	LT.	R3-H8ba-30	30x30	12.5	6.25				
S-4	P 65	US 62	32+50	RT.	W2-3R-30	30x30	13.5	6.25				
					W16-H8P-48	48x8		2.67				
S-5	P 65	US 62	33+50	LT.	R3-H8ba-30	30x30	12.5	6.25				
S-6	P 65	US 62	36+35	LT.	W2-2L-30	30x30	13	6.25				
					W16-H8P-48	48X8		2.67				
S-7	P 64	BEECH RD.	0+30	LT.	R1-1-30	30x30	11	6.25				1
S-8	P 64	BEECH RD.	0+85	RT.	W8-H18a-30	30x30	11	6.25				
S-9	P 66	GREEN CHAPEL	0+68	LT.	R1-1-30	30x30	11.5	6.25				1
S-10	P 66	US 62	40+67	RT.	D3-H6b-48	48x12	13.0-14.0		4			
SR-1	P 63	US 62	23+76	RT.						2	1	
SR-2	P 65	US 62	32+36	RT.						2	1	
SR-3	P 65	US 62	36+33	LT.						2	1	
SR-4	P 64	BEECH RD.	0+30	LT.						1	2	
SR-5	P 64	BEECH RD.	0+34	LT.						1	1	
SR-6	P 64	BEECH RD.	0+84	RT.						1	1	
SR-7	P 66	GREEN CHAPEL	0+73	LT.						1	2	
SR-8	P 66	GREEN CHAPEL	0+79	LT.						1	1	
TOTALS CARRIED TO GENERAL SUMMARY							149	58.0	8	11	10	2

SIGNING SUBSUMMARY

DESIGN AGENCY
2LMN

DESIGNER
JJR

REVIEWER
ALL 7-8-21

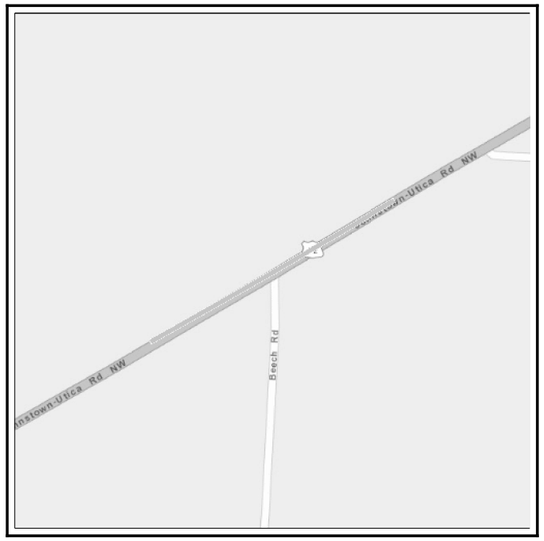
PROJECT ID
109329

SHEET P 68 | TOTAL P 87

LIC-62-0.49

RIGHT OF WAY
LEGEND SHEET
LIC-62-0.49

LICKING COUNTY
JERSEY TOWNSHIP
QTR. TWP. 2, SECTION 25, LOTS 25 & 40, R15W, T2N
MONROE TWP., SECTION 25, R15W, T2N



LOCATION MAP

LATITUDE: 40°07'27" LONGITUDE: -82°45'07"

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

INDEX OF SHEETS:

PROJECT DESCRIPTION

INTERSECTION SAFETY IMPROVEMENT BY ADDING A WESTBOUND LEFT TURN LANE ON U.S. 62 AND PROVIDING SAFETY GRADED SLOPE ADJACENT TO INTERSECTION AREA.

PROJECT CONTROL

STATE PLANE OHIO SOUTH ZONE 3402

GRID COORDINATES
NAD 83 (2011), ELLIPSOID GRS80
NAVD88, GEOID12A

PLANS PREPARED BY:

FIRM NAME : ODOT, DISTRICT 5
R/W DESIGNER: CANDY SHOEMAKER
R/W REVIEWER: LUKE WALKER
FIELD REVIEWER: LUKE WALKER
PRELIMINARY FIELD REVIEW DATE: 7/30/2020
TRACINGS FIELD REVIEW DATE: 11/12/2020
OWNERSHIP UPDATED BY: LUKE WALKER
DATE COMPLETED: 11/12/2020
PLAN COMPLETION DATE: 11/13/2020

UTILITY OWNERS

COLUMBIA GAS OF OHIO
3550 JOHNNY APPLESEED
COLUMBUS, OHIO 43231
ATTN: MARK CHRISTMAN
614-818-2109
MCHRISTMAN@NISOURCE.COM

CENTURYLINK TELEPHONE
441 WEST BROAD STREET
PATASKALA, OHIO 43062
ATTN: DANIEL BECKETT
740-927-8282
DANIEL.E.BECKETT@CENTURYLINK.COM

AMERICAN ELECTRIC POWER CO. (DISTRIBUTION)
777 HOPEWELL DRIVE
HEATH, OHIO 43056
ATTN: PAUL PAXTON
740-348-5322
PTPAXTON@AEP.COM

EVERSTREAM
240 N. 5TH STREET #168
COLUMBUS, OHIO 43215
OUTSIDE PLANT MANAGER
ATTN: SUBHI SALEH
614-558-7002
SSALEH@EVERSTREAM.NET

ASPIRE ENERGY
300 TRACY BRIDGE RD.
ORRVILLE, OHIO 44667
ATTN: TRACY McVAY
330-933-7578
TMCVAY@ASPIREENERGYCO.COM

AT&T OHIO
TELECOMMUNICATION SPECIALIST
ATTN: GARY VAN ALMSICK
614-223-7276
GV2758@STT.COM

SPECTRUM CABLE TV
3770 EAST LIVINGSTON AVE.
COLUMBUS, OHIO 43227-2280
ATTN: ANTHONY ADAMS
614-827-7971
ANTHONY.ADAMS@CHARTER.COM

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

CONVENTIONAL SYMBOLS

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

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

STRUCTURE KEY

RESIDENTIAL
COMMERCIAL
OUT-BUILDING

MONUMENT LEGEND

EXISTING R/W MONUMENT BOX
PROPOSED R/W MONUMENT BOX
EXISTING CONCRETE MONUMENT
PROPOSED CONCRETE MONUMENT
RAILROAD SPIKE FOUND
RAILROAD SPIKE SET
I.P.F. IRON PIN FOUND
I.P.F. IRON PIN FOUND W/ ID CAP
I.P.S. IRON PIN SET W/ ID CAP
P.F. IRON PIPE FOUND
P.S. IRON PIPE SET
P.K.F. P.K. NAIL FOUND
P.K.S. P.K. NAIL SET

I, Luke Walker, P.S. have conducted a survey of the existing conditions for the Ohio Department of Transportation in June, 2020. The results of that survey are contained herein.

Underground utility locations are shown for information purposes only. Though they are believed to be accurate, their location is as marked on the ground by the utility company per OHIO811 Confirmation Number A907003630-00A, A907003635-00A, A907003644-00A and A907003651-00A, and those markings subsequently being surveyed as a part of this project.

The horizontal geometry expressed herein is based on State Plane Coordinate System, NAD83 (2011), Ohio South Zone 3402, Grid Values, Orthometric heights are based on NAVD 88, Geoid 12A (Ohio).

As a part of this project I have established the proposed property lines, calculated the Gross Take, present roadway occupied (PRO), Net Take and Net Residue; as well as prepared the legal descriptions necessary to acquire the parcels as shown herein.

As a part of this work I have set monuments at the proposed property corners, and other points shown herein. The iron pins and caps will be 3/4" x 30" rebar with aluminum cap stamped "ODOT R/W District 5". All set concrete monuments are reference monuments set by the contractor's surveyor during construction of the project. Concrete monuments are 8" diameter cylinders with a 3/4" x 36" rebar and 3" cap stamped "CL REF MON". All of my work contained herein was conducted in accordance with the Ohio Administrative Code 4733-37 commonly known as "A Minimum Standards for Boundary Surveys in the State of Ohio" unless so noted.

The words I and my as used herein are to mean that either myself or someone working under my direct supervision.

Luke Walker, P.S. #8701 *11/13/20 Date*

SURVEYORS SEAL

STATE OF OHIO
LUKE C. WALKER
S-8701
REGISTERED
PROFESSIONAL SURVEYOR

RIGHT OF WAY

DESIGN AGENCY
DESIGNER CS
REVIEWER LW 11-13-20
PROJECT ID 109329
SUBSET P.1 TOTAL P.11
SHEET P.69 TOTAL P.87

LIC-62-0.49

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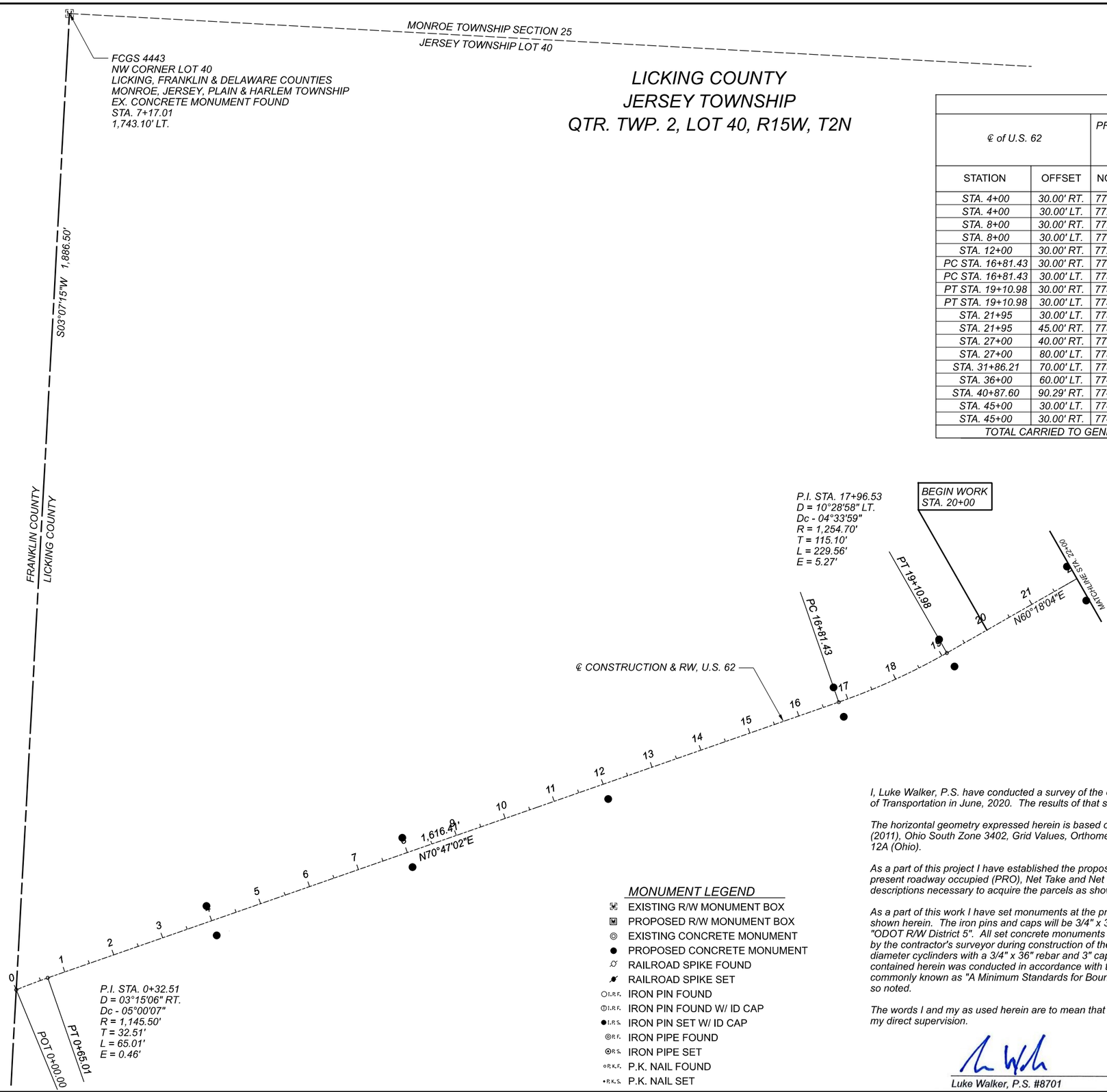

MONUMENT TABLE						
℄ of U.S. 62		PROJECT COORDINATES SEE SURVEY CERTIFICATION		MONUMENTS TO BE SET DURING CONSTRUCTION	RW MON. EXPECTED TO BE DISTURBED	
STATION	OFFSET	NORTH (Y)	EAST (X)	REF. MON.	REF. MON.	DESCRIPTION
STA. 4+00	30.00' RT.	772,665.881	1,895,569.804	1		TYPE A RM 1.1
STA. 4+00	30.00' LT.	772,722.538	1,895,550.057	1		TYPE A RM 1.1
STA. 8+00	30.00' RT.	772,797.534	1,895,947.518	1		TYPE A RM 1.1
STA. 8+00	30.00' LT.	772,854.191	1,895,927.770	1		TYPE A RM 1.1
STA. 12+00	30.00' RT.	772,929.187	1,896,325.231	1		TYPE A RM 1.1
PC STA. 16+81.43	30.00' RT.	773,087.641	1,896,779.835	1		TYPE A RM 1.1
PC STA. 16+81.43	30.00' LT.	773,144.298	1,896,760.087	1		TYPE A RM 1.1
PT STA. 19+10.98	30.00' RT.	773,184.818	1,896,993.492	1		TYPE A RM 1.1
PT STA. 19+10.98	30.00' LT.	773,236.937	1,896,963.765	1		TYPE A RM 1.1
STA. 21+95	30.00' LT.	773,377.650	1,897,210.474	1		TYPE A RM 1.1
STA. 21+95	45.00' RT.	773,312.502	1,897,247.632	1		TYPE A RM 1.1
STA. 27+00	40.00' RT.	773,566.901	1,897,684.585	1	1	TYPE A RM 1.1
STA. 27+00	80.00' LT.	773,670.235	1,897,623.577	1		TYPE A RM 1.1
STA. 31+86.21	70.00' LT.	773,908.793	1,898,047.713	1		TYPE A RM 1.1
STA. 36+00	60.00' LT.	774,108.972	1,898,409.999	1	1	TYPE A RM 1.1
STA. 40+87.60	90.29' RT.	774,225.282	1,898,906.802		1	TYPE A RM 1.1
STA. 45+00	30.00' LT.	774,535.610	1,899,203.319	1		TYPE A RM 1.1
STA. 45+00	30.00' RT.	774,483.606	1,899,233.246	1		TYPE A RM 1.1
TOTAL CARRIED TO GENERAL SUMMARY SHEET				17	3	

MONUMENT LEGEND

- EXISTING R/W MONUMENT BOX
- PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- RAILROAD SPIKE FOUND
- RAILROAD SPIKE SET
- I.R.F. IRON PIN FOUND
- I.R.F. IRON PIN FOUND W/ ID CAP
- I.R.S. IRON PIN SET W/ ID CAP
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The words I and my as used herein are to mean that either myself or someone working under my direct supervision.

Luke Walker, P.S. #8701 — *Date* 11/13/20

SURVEYORS SEAL

STATE OF OHIO
LUKE C. WALKER
S-8701
REGISTERED
PROFESSIONAL SURVEYOR

HORIZONTAL SCALE IN FEET
0 50 100 200

CENTERLINE PLAT STA. 0+00 TO STA. 22+00

DESIGN AGENCY

DESIGNER CS

REVIEWER LW 11-13-20

PROJECT ID 109329

SUBSET P.2 TOTAL P.11

SHEET P.70 TOTAL P.87

LIC-62-0.49

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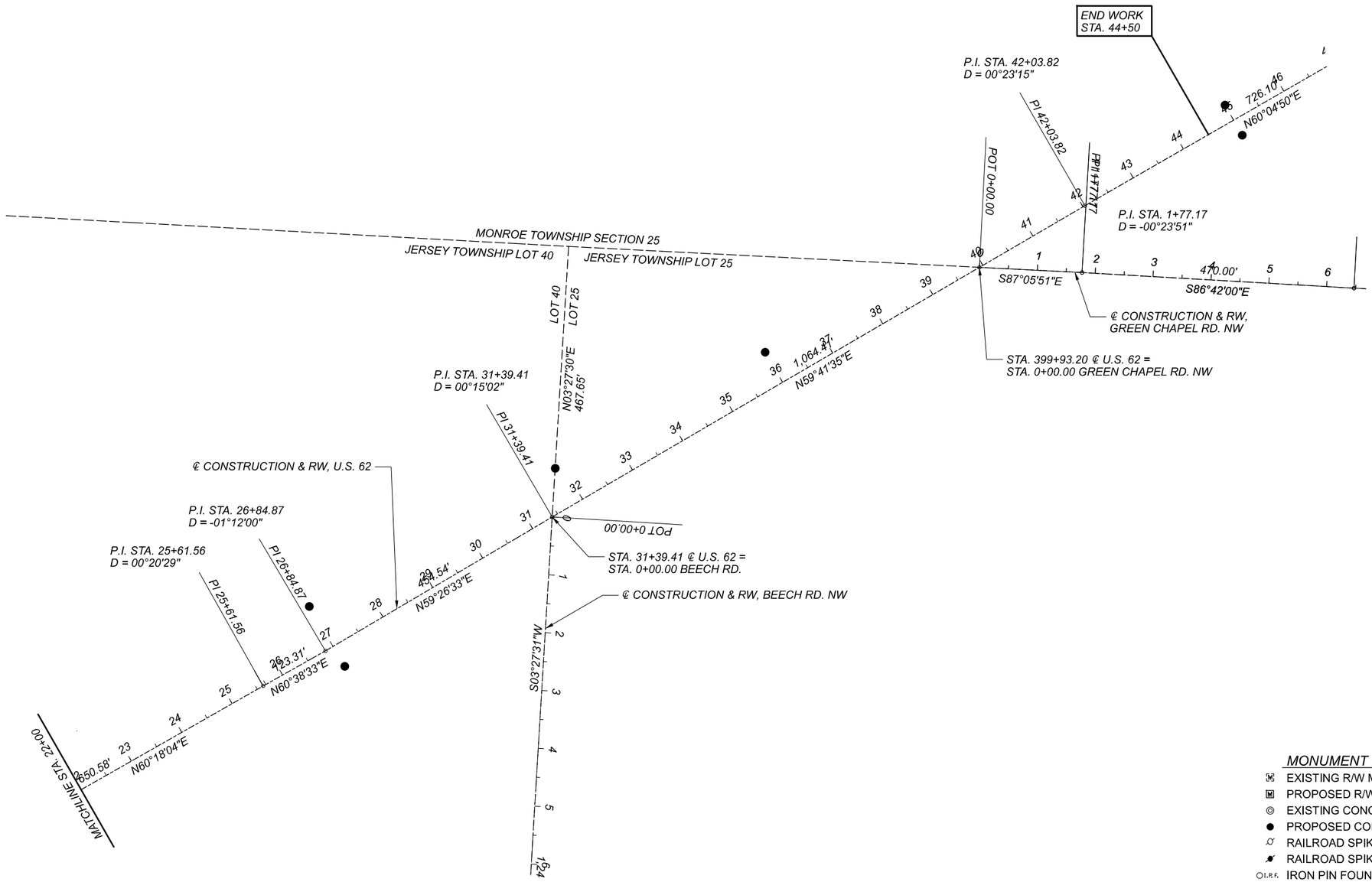
LICKING COUNTY
JERSEY TOWNSHIP
QTR. TWP. 2, LOTS 25 & 40, R15W, T2N
MONROE TOWNSHIP, SECTION 25, R15W, T2N



MONUMENT LEGEND

- EXISTING R/W MONUMENT BOX
- PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- RAILROAD SPIKE FOUND
- RAILROAD SPIKE SET
- I.R.F. IRON PIN FOUND
- I.R.F. IRON PIN FOUND W/ ID CAP
- I.R.S. IRON PIN SET W/ ID CAP
- R.F. IRON PIPE FOUND
- R.S. IRON PIPE SET
- P.K.F. P.K. NAIL FOUND
- P.K.S. P.K. NAIL SET

HORIZONTAL SCALE IN FEET
0 50 100 200

CENTERLINE PLAT STA. 22+00 TO STA. 45+00

DESIGN AGENCY

DESIGNER CS
REVIEWER LW 11-13-20
PROJECT ID 109329
SUBSET P.3 TOTAL P.11
SHEET P.71 TOTAL P.87

LIC-62-0.49

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LICKING COUNTY
JERSEY TOWNSHIP
QTR. TWP. 2, LOTS 25 & 40, R15W, T2N
MONROE TOWNSHIP, SECTION 25, R15W, T2N

HORIZONTAL SCALE IN FEET
0 50 100 200

FRANKLIN COUNTY
LICKING COUNTY

MONROE TOWNSHIP SECTION 25
JERSEY TOWNSHIP LOT 40

LOT 40
LOT 25

1 HENDREN CENTURY FARMS PARTNERSHIP
052-172530-00.000
NO RW REQUIRED

1 HENDREN CENTURY FARMS PARTNERSHIP
037-111402-00.000

BEGIN RW ACQUISITION
STA. 21+95

BEGIN WORK
STA. 20+00

℄ CONSTRUCTION & RW, U.S. 62

PI 31+39.41
PI 26+84.87
PI 25+61.56
PT 19+10.98
PC 16+81.43

1,660.58'
N00°16'04"E
1,616.41'
N70°47'02"E
N00°26'55"E
S03°27'31"W
1,248.74'

1 HENDREN CENTURY FARMS PARTNERSHIP
037-111402-00.002

1 HENDREN CENTURY FARMS PARTNERSHIP
037-111402-00.001
NO RW REQUIRED

NANCY L. LANE &
CAREN McCANN
037-112524-00.000
NO RW REQUIRED

1 HENDREN CENTURY FARMS PARTNERSHIP
037-112284-00.000
NO RW REQUIRED

MELISSA ANNE SULICH
037-112560-00.000
NO RW REQUIRED

2 CHARLES CUNDIFF
037-112404-00.000

3 THOMAS E. & DEBORAH L. EYER
037-112656-00.000

4 JENNIFER C. BAKER
037-112332-00.000
SOLD TO
CAMILLE CLARK & DANIEL SILVER
4/22/2021

5 JUDITH M. HODGE ET. AL.
037-111438-00.000

℄ CONSTRUCTION & RW,
BEECH RD.

Ex SH
SH
PL

PROPERTY MAP STA. 0+00 TO STA. 32+00

DESIGN AGENCY

DESIGNER: CS
REVIEWER: LW 11-13-20
PROJECT ID: 109329
SUBSET: P.4 TOTAL: P.11
SHEET: P.72 TOTAL: P.87

LIC-62-0.49

LICKING COUNTY
JERSEY TOWNSHIP
QTR. TWP. 2, LOTS 25 & 40, R15W, T2N
MONROE TOWNSHIP, SECTION 25, R15W, T2N

HORIZONTAL SCALE IN FEET
0 50 100 200

PROPERTY MAP STA. 32+00 TO STA. 49+00

END RW ACQUISITION STA. 43+30

END WORK STA. 44+50

END WORK STA. 1+03.26

POT 49+29.92

POT 20+44.34

POT 0+00.00

PI 42+03.82

PI 6+47.17

726.10'

470.00'

1,397.17'

N60°04'50"E

S87°05'57"E

S86°42'00"E

S86°48'46"E

℄ CONSTRUCTION & RW, U.S. 62

℄ CONSTRUCTION & RW, GREEN CHAPEL RD. NW

℄ CONSTRUCTION & RW, BEECH RD. NW

8 BLANCA O. & PAUL J. ROONEY 052-173016-01.001

7 NANCY A. RICH & BARBARA J. SOHAYDA 052-173016-01.000

7 NANCY A. RICH & BARBARA J. SOHAYDA 037-111954-00.001

9 C. EDWARD VENARD TOTAL TAKE

10 OREN ALBERT & MARY ALICE GROVE 052-175350-00.000

HENDRON ONE LLC 052-172500-00.000 NO RW REQUIRED

6 DEBORAH TRIPP & SHARON SMART, CO-TRUSTEES 037-111954-00.000

BRUCE & SHARON SMART 037-111954-00.005 NO RW REQUIRED

6 DEBORAH TRIPP & SHARON SMART, CO-TRUSTEES 037-111954-00.000

MONROE TOWNSHIP SECTION 25

JERSEY TOWNSHIP LOT 40

JERSEY TOWNSHIP LOT 25

LOT 40 LOT 25

DESIGN AGENCY

DESIGNER CS

REVIEWER LW 11-13-20

PROJECT ID 109329

SUBSET P.5 TOTAL P.11

SHEET P.73 TOTAL P.87

LIC-62-0.49

MODEL: Sheet 2 PAPERSIZE: 17x11 (in.) DATE: 9/28/2021 TIME: 11:28:41 AM USER: Josh_Rognon
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Licking\109329\400-Engineering\RW\Sheets\109329_RM0001.dgn

TOTAL NUMBER OF :

10 OWNERSHIPS
11 PARCELS
1 TOTAL TAKES
0 OWNERSHIPS W/ STRUCTURES INVOLVED

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE
NET TAKE = GROSS TAKE - PRO IN TAKE
ALL AREAS IN ACRES

GRANTEE:
ALL RIGHT OF WAY ACQUIRED IN THE NAME OF STATE OF OHIO UNLESS OTHERWISE SHOWN.

** DENOTES RIGHT OF WAY ENCROACHMENT*

PARCEL NO.	OWNER	OWNERS RECORD INSTRUMENT NO.		AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE LEFT	NET RESIDUE RIGHT	TYPE FUND	REMARKS	AS ACQUIRED BOOK	AS ACQUIRED PAGE
1-SH	HENDREN CENTURY FARMS PARTNERSHIP	201203150005479		037-111402-00.002	3.934	0.482	0.04	0	0.04	NO	3.412		STATE			
				037-111402-00.000	52.341	0.509	0.78	0	0.78	NO	51.052		STATE			
2-SH	CHARLES CUNDIFF	DB 811	739	037-112404-00.000	2.31	0.108	0.037	0	0.037	NO		2.165	STATE			
		197501010002886														
3-SH	THOMAS E. & DEBORAH L. EYER	199808310033256		037-112656-00.000	2.567	0.107	0.054	0	0.054	NO		2.406	STATE			
4-SH	JENNIFER C. BAKER SOLD TO CAMILLE CLARK & DANIEL SILVER	201904120006838		037-112332-00.000	3.754	0.07	0.037	0	0.037	NO		3.647	STATE			
	4/22/2021															
5-SH	JUDITH M. HODGE, LINDA F. DINGESS AND SHARON D. HAGELBERGER	201804180007401		037-111438-00.000	8.468	1.098	0.165	0	0.165	NO		7.205	STATE	UNDIVIDED INTEREST OVER MULTIPLE CONVEYANCES		
		& 201501230001402														
6-SH1	DEBORAH TRIPP & SHARON SMART, CO-TRUSTEES OF THE CROSS	201104140007147		037-111954-00.000	91.893	2.177	0.583	0	0.583	NO	2.567	86.275	STATE	EX. FENCE TO BE REMOVED		
6-SH2	KEYSTONE HERITANCE TRUST DATED FEB. 2, 2011						0.291	0	0.291	NO			STATE			
7-SH	NANCY A. RICH & BARBARA J. SOHAYDA	200402100004657		037-111954-00.001	0.18	0.088	0.066	0	0.066	NO	0.026		STATE	EX. FENCE & GATE TO BE REMOVED		
				052-173016-01.000	8.797	0.057	0.107	0	0.107	NO	8.633		STATE	EX. FENCE TO BE REMOVED		
8-SH	BLANCA O. & PAUL J. ROONEY	201609260020826		052-173016-01.001	3.241	0.11	0.031	0	0.031	NO	3.1		STATE			
8-T							0.004		0.004							
9-SH	C. EDWARD VENARD (DECEASED)	OR 320	709	N/A	**0.243	0.199	0.044	0	0.044	NO		0	STATE	**RECORD AREA IS CALCULATED; TOTAL TAKE		
10-SH	OREN ALBERT & MARY ALICE GROVE	DB 476	134-135	052-175350-00.000	2	0.838	0.043	0	0.043	NO		1.119	STATE			

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

NOTE: ALL TEMPORARY PARCELS TO BE OF 12 MONTH DURATION.

TYPES OF TITLE LEGEND:
WL = FEE SIMPLE WITH LIMITATION OF ACCESS
WD = WARRANTY DEED
PRW = PROPERTY RIGHT FEE SIMPLE
SH = STANDARD HIGHWAY EASEMENT
LA = LIMITED ACCESS EASEMENT
T = TEMPORARY EASEMENT
CH = CHANNEL EASEMENT
A = AERIAL EASEMENT
SL = SLOPE EASEMENT
PRE = PROPERTY RIGHT EASEMENT

REV. BY	DATE	DESCRIPTION
DATE COMPLETED		

SUMMARY OF ADDITIONAL RIGHT OF WAY

DESIGN AGENCY

DESIGNER CS
REVIEWER LW 11-13-20
PROJECT ID 109329
SUBSET P.6 TOTAL P.11
SHEET P.74 TOTAL P.87

LIC-62-0.49

TYPES OF TITLE LEGEND:
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PRW = PROPERTY RIGHT FEE SIMPLE
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T = TEMPORARY EASEMENT
CH = CHANNEL EASEMENT
A = AERIAL EASEMENT
SL = SLOPE EASEMENT
PRE = PROPERTY RIGHT EASEMENT

MONUMENT LEGEND

- EXISTING R/W MONUMENT BOX
- PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- RAILROAD SPIKE FOUND
- RAILROAD SPIKE SET
- I.P.F. IRON PIN FOUND
- I.P.F. IRON PIN FOUND W/ ID CAP
- I.P.S. IRON PIN SET W/ ID CAP
- P.F. IRON PIPE FOUND
- P.S. IRON PIPE SET
- P.K.F. P.K. NAIL FOUND
- P.K.S. P.K. NAIL SET

LICKING COUNTY
JERSEY TOWNSHIP
QTR. TWP. 2, LOT 40, R15W, T2N

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY DETAIL SHEET
STA. 21+00 TO STA. 26+00

1
HENDREN CENTURY FARMS PARTNERSHIP
037-111402-00.002
AGRICULTURAL VACANT
3925 BEECH RD.
JOHNSTOWN, OH 43031

1
HENDREN CENTURY FARMS PARTNERSHIP
037-111402-00.000
AGRICULTURAL
JOHNSTOWN-UTICA RD.
JOHNSTOWN, OH 43031

BEGIN RW ACQUISITION
STA. 21+95

BEGIN WORK
STA. 20+00

1-SH

STA. 22+85
45.00' LT.

N51°11'56"E 63.21'

STA. 23+47.42
55.00' LT.

N56°18'55"E 352.23'

P.I. STA. 25+61.56
D = 00°20'29"

PI OFFSET STA. 25+61.65 BACK
STA. 25+61.47 AHEAD
30.00' LT.

N29°41'56"W 15.00'

STA. 22+85
30.00' LT.

S60°18'04"W 101.47'
(276.65' TOTAL)

STA. 23+86.47
30.00' LT.

EX. IRON PIN FOUND
STA. 25+61.56
28.72' LT.

S60°18'04"W 175.18' (276.65' TOTAL)

S60°38'33"W
123.08'

℄ CONSTRUCTION & RW, U.S. 62

30.00'

650.58'
N60°18'04"E

EX. IRON PIN FOUND
STA. 23+06.10
30.59' RT.

STA. 23+06.48
30.00' RT.

EX. IRON PIN FOUND
STA. 24+62.37
30.24' RT.

STA. 24+62.55
30.00' RT.

STA. 25+68.60
30.00' RT.

N60°38'33"E

N 60°38'33" E
6.95'

MATCH LINE STA. 26+00.00

N60°18'04"E 111.48'

N60°18'04"E 156.08'

N60°18'04"E 98.92'

N60°38'33"E
116.58'

STA. 21+95
30.00' RT.

N29°41'56"W 15.00'

STA. 21+95
45.00' RT.

S02°51'37"W 17.80'

S60°18'04"W 101.90'

STA. 22+96.90
45.00' RT.

S02°49'45"W 17.79'

S60°18'04"W 156.09'

STA. 24+52.98
45.00' RT.

S60°18'17"W 109.59'

PI OFFSET STA. 25+61.65 AHEAD
STA. 25+61.47 BACK
30.00' RT.

S08°20'27"E 16.07'

STA. 25+62.84
45.00' RT.

S59°43'49"W
510.93'

25.67'

RESIDENTIAL PAVED DRIVE

GRAVEL RESIDENTIAL DRIVE

RESIDENTIAL ASPHALT DRIVE

65.59'

81.09'

56.87'

2-SH

3-SH

4-SH

5-SH

2
CHARLES CUNDIFF
037-112404-00.000
RESIDENTIAL
14237 JOHNSTOWN-UTICA RD.
JOHNSTOWN, OH 43031

3
THOMAS E. &
DEBORAH L. EYER
037-112656-00.000
RESIDENTIAL
14195 JOHNSTOWN-UTICA RD.
JOHNSTOWN, OH 43031

4
FORMERLY JENNIFER C. BAKER
SOLD TO
CAMILLE CLARK & DANIEL SILVER
4/22/2021
037-112332-00.000
RESIDENTIAL
14185 JOHNSTOWN-UTICA RD.
JOHNSTOWN, OH 43031

5
JUDITH M. HODGE, ET. AL.
037-111438-00.000
RESIDENTIAL
14131 JOHNSTOWN-UTICA RD.
JOHNSTOWN, OH 43031

STRUCTURE KEY

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

REV. BY	DATE	DESCRIPTION
DATE COMPLETED		

DESIGN AGENCY
STATE OF OHIO DEPARTMENT OF TRANSPORTATION

DESIGNER: CS
REVIEWER: LW 11-13-20
PROJECT ID: 109329
SUBSET: P.7 TOTAL: P.11
SHEET: P.75 TOTAL: P.87

LIC-62-0.49

MODEL: Plan [Sheet] PAPERSIZE: 17x11(in.) DATE: 9/28/2021 TIME: 11:30:14 AM USER: Josh.Rognon
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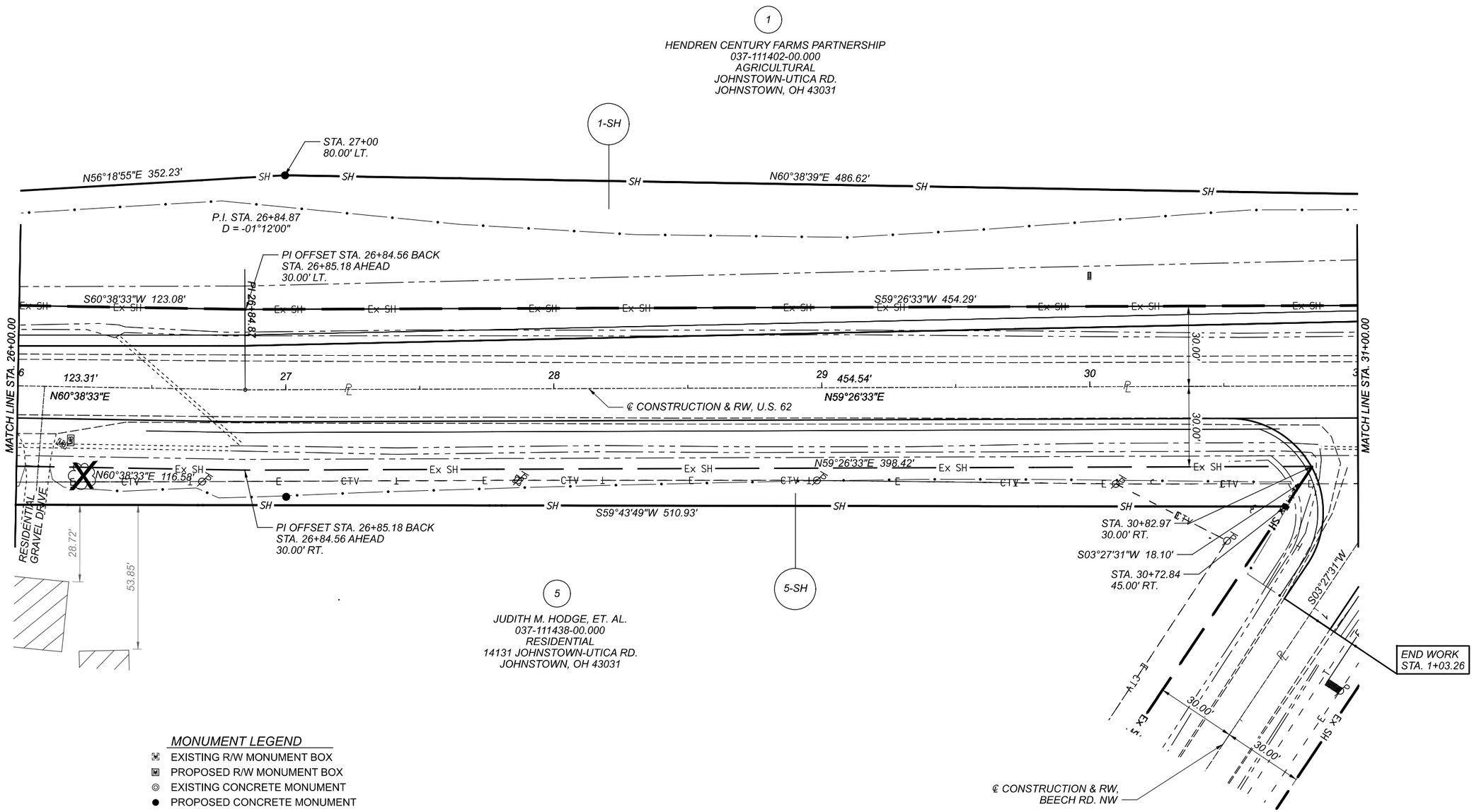
LICKING COUNTY
JERSEY TOWNSHIP
QTR. TWP. 2, LOT 40, R15W, T2N

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY DETAIL SHEET
STA. 26+00 TO STA. 31+00



STRUCTURE KEY

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

TYPES OF TITLE LEGEND:
WL = FEE SIMPLE WITH LIMITATION OF ACCESS
WD = WARRANTY DEED
PRW = PROPERTY RIGHT FEE SIMPLE
SH = STANDARD HIGHWAY EASEMENT
LA = LIMITED ACCESS EASEMENT
T = TEMPORARY EASEMENT
CH = CHANNEL EASEMENT
A = AERIAL EASEMENT
SL = SLOPE EASEMENT
PRE = PROPERTY RIGHT EASEMENT

MONUMENT LEGEND

- EXISTING R/W MONUMENT BOX
- PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- RAILROAD SPIKE FOUND
- RAILROAD SPIKE SET
- I.R.F. IRON PIN FOUND
- I.R.F. IRON PIN FOUND W/ ID CAP
- I.R.S. IRON PIN SET W/ ID CAP
- P.F. IRON PIPE FOUND
- P.S. IRON PIPE SET
- P.K.F. P.K. NAIL FOUND
- P.K.S. P.K. NAIL SET

REV. BY	DATE	DESCRIPTION
DATE COMPLETED		

DESIGN AGENCY

DESIGNER CS
REVIEWER LW 11-13-20
PROJECT ID 109329
SUBSET P.8 TOTAL P.11
SHEET P.76 TOTAL P.87

LIC-62-0.49

MODEL: Plan 2 [Sheet] PAPERSIZE: 17x11(in.) DATE: 9/28/2021 TIME: 11:30:16 AM USER: Josh_Rognon
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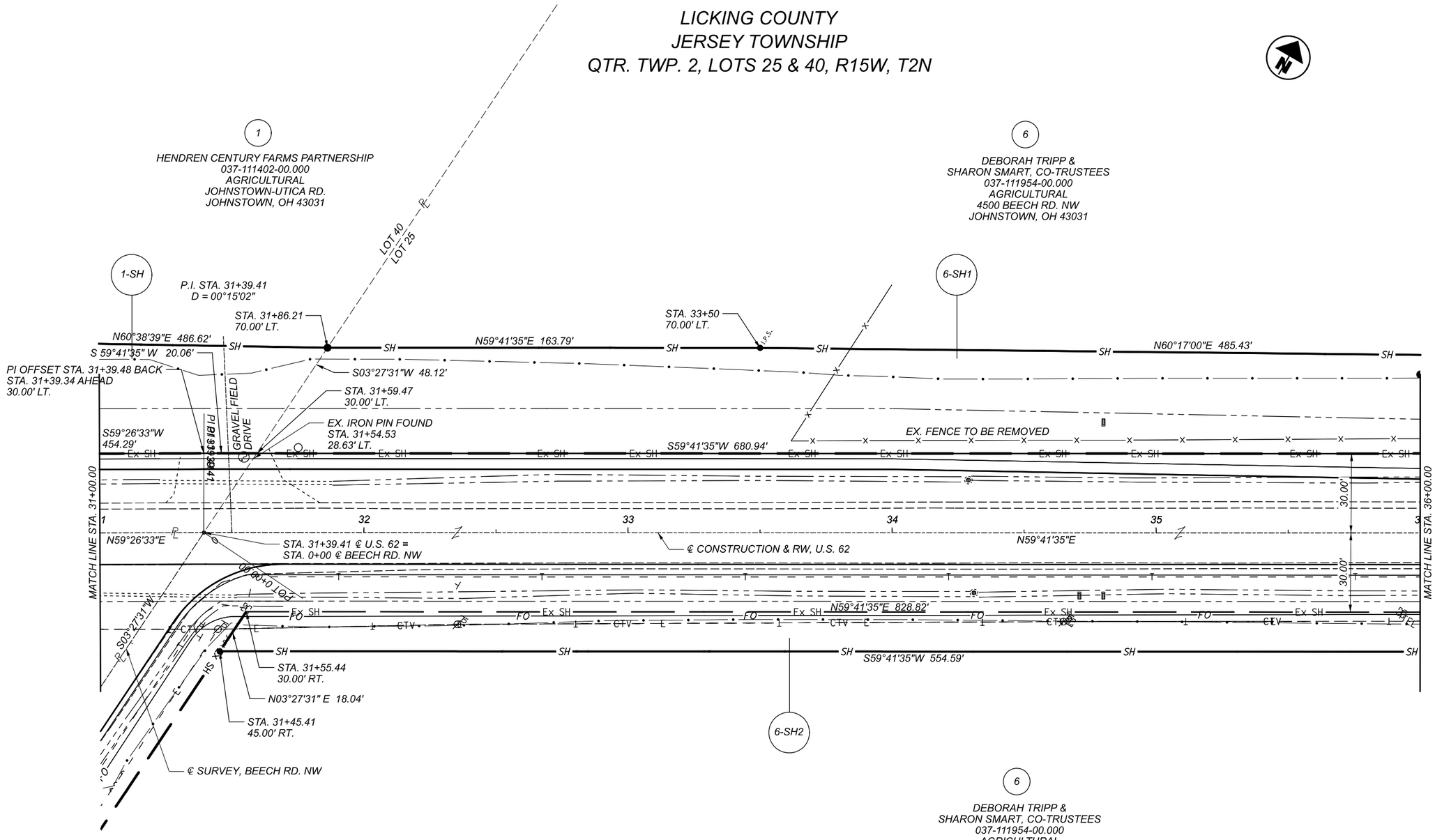
LICKING COUNTY
JERSEY TOWNSHIP
QTR. TWP. 2, LOTS 25 & 40, R15W, T2N



HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY DETAIL SHEET
STA. 31+00 TO STA. 36+00

STRUCTURE KEY

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

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MONUMENT LEGEND

- EXISTING R/W MONUMENT BOX
- PROPOSED R/W MONUMENT BOX
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- PROPOSED CONCRETE MONUMENT
- RAILROAD SPIKE FOUND
- RAILROAD SPIKE SET
- I.R.F. IRON PIN FOUND
- I.R.F. IRON PIN FOUND W/ ID CAP
- I.R.S. IRON PIN SET W/ ID CAP
- P.F. IRON PIPE FOUND
- P.S. IRON PIPE SET
- P.K.F. P.K. NAIL FOUND
- P.K.S. P.K. NAIL SET

REV. BY	DATE	DESCRIPTION
DATE COMPLETED		

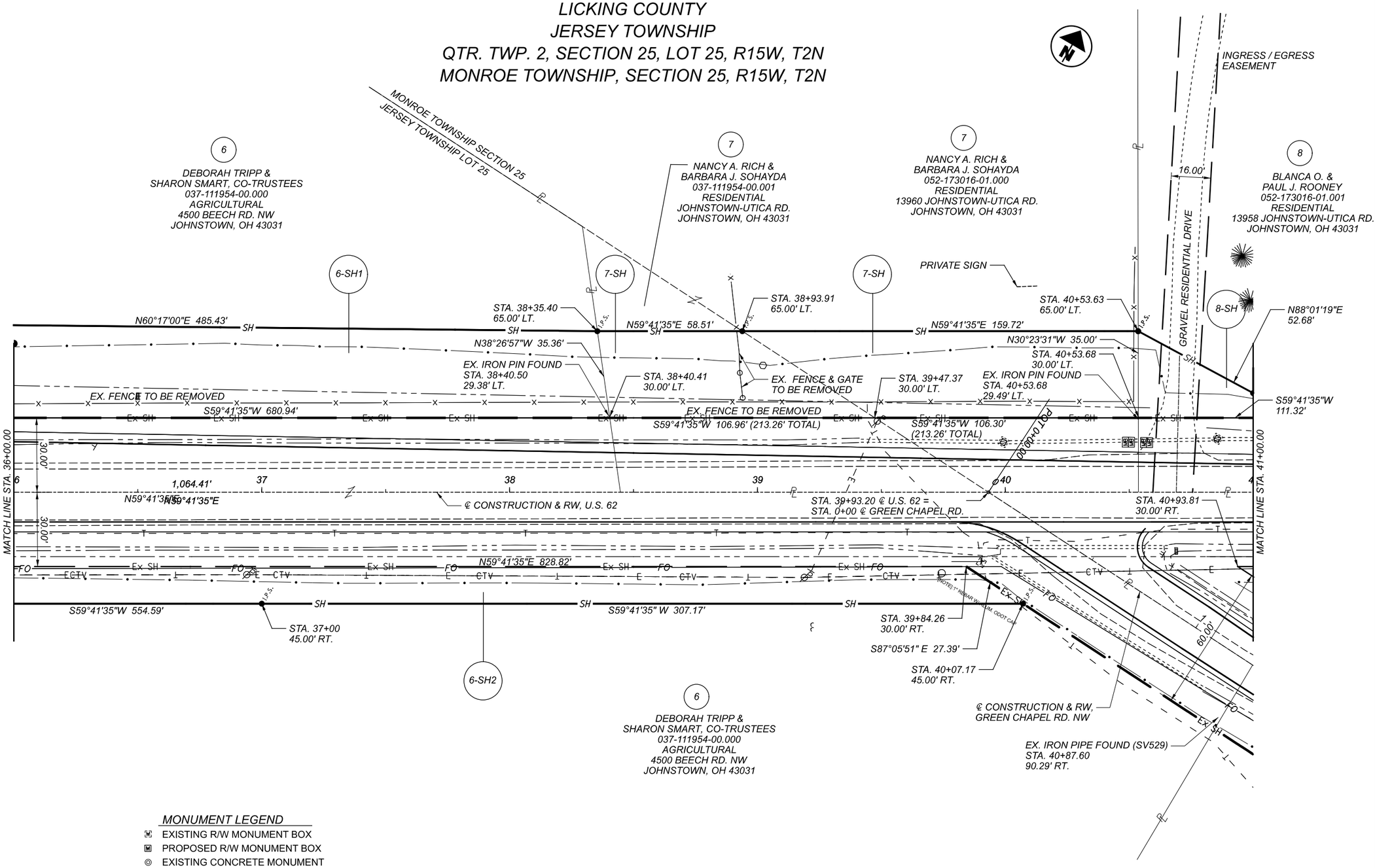
DESIGN AGENCY

DESIGNER: CS
REVIEWER: LW 11-13-20
PROJECT ID: 109329
SUBSET P.9 TOTAL P.11
SHEET P.77 TOTAL P.87

LIC-62-0.49

LICKING COUNTY
JERSEY TOWNSHIP
QTR. TWP. 2, SECTION 25, LOT 25, R15W, T2N
MONROE TOWNSHIP, SECTION 25, R15W, T2N

HORIZONTAL SCALE IN FEET
0 10 20 40



STRUCTURE KEY

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

TYPES OF TITLE LEGEND:
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T = TEMPORARY EASEMENT
CH = CHANNEL EASEMENT
A = AERIAL EASEMENT
SL = SLOPE EASEMENT
PRE = PROPERTY RIGHT EASEMENT

MONUMENT LEGEND

- EXISTING R/W MONUMENT BOX
- PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
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- RAILROAD SPIKE SET
- I.R.F. IRON PIN FOUND
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- I.R.S. IRON PIN SET W/ ID CAP
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- P.S. IRON PIPE SET
- P.K.F. P.K. NAIL FOUND
- P.K.S. P.K. NAIL SET

REV. BY	DATE	DESCRIPTION

DATE COMPLETED

RIGHT OF WAY DETAIL SHEET
STA. 36+00 TO STA. 41+00

DESIGN AGENCY

DESIGNER CS
REVIEWER LW 11-13-20
PROJECT ID 109329
SUBSET P.10 TOTAL P.11
SHEET P.78 TOTAL P.87

LIC-62-0.49

MODEL: Plan 4 [Sheet] PAPERSIZE: 17x11(in) DATE: 9/28/2021 TIME: 11:30:08 AM USER: Josh.Rognon
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LICKING COUNTY
MONROE TOWNSHIP
SECTION 25, R15W, T2N

HORIZONTAL SCALE IN FEET
0 10 20 40

RIGHT OF WAY DETAIL SHEET
STA. 41+00 TO STA. 46+00

8

BLANCA O. &
PAUL J. ROONEY
052-173016-01.001
RESIDENTIAL
13958 JOHNSTOWN-UTICA RD.
JOHNSTOWN, OH 43031

HENDREN ONE LLC
052-172500-00.000
NO RW REQUIRED

END RW ACQUISITION
STA. 43+30

END WORK
STA. 44+50

N59°41'35"E
15.00'

STA. 41+15.00
OFF 50.00' LT

8-T

8-SH

STA. 41+00.00
OFF 50.00' LT

P.I. STA. 42+03.82
D = 00°23'18"

S30°18'25"E
12.31'

STA. 41+15.00
OFF 37.69' LT

N30°18'25"W
10.00'

TMP

STA. 41+65
30.00' LT.

STA. 41+00.00
OFF 40.00' LT

65.7' (8-SH)

S59°41'35"W 111.32'

N68°26'21"E
15.18' (8-T)

MATCH LINE STA. 41+00.00

N59°41'35"E

℄ CONSTRUCTION & RW, U.S. 62

STA. 41+84.53
30.00' RT.

726.10'
N60°04'50"E

30.00'

N59°41'35"E 19.19'

N60°04'50" E 126.08'

N59°41'35"E 90.73'

PI OFFSET STA. 42+03.72 BACK
STA. 42+03.92 AHEAD, 30.00' RT.

S58°09'31"W 154.89'

STA. 43+30
30.00' RT.

STA. 43+30
40.00' RT.

S29°55'10"E
10.00'

TOTAL
TAKE

N87°05'51"W
76.32'

S02°25'46"W
49.70'

N02°25'46"E 17.83' (10-SH)

9-SH

9

STA. 41+74.89
45.00' RT.

EDWARD VENARD
TOTAL TAKE

10-SH

GRAVEL
RESIDENTIAL DRIVE

86.04'

61.52'

PI 1+77.17

STA. 41+57.66
71.80' RT.

P.I. STA. 1+77.17
D = -00°23'51"

℄ CONSTRUCTION & RW,
GREEN CHAPEL RD. NW

60.00'

END WORK
STA. 2+00

10

OREN ALBERT & MARY ALICE GROVE
052-173500-00.000
RESIDENTIAL
13703 JOHNSTOWN-UTICA RD.
JOHNSTOWN, OH 43031

TYPES OF TITLE LEGEND:
WL = FEE SIMPLE WITH LIMITATION OF ACCESS
WD = WARRANTY DEED
PRW = PROPERTY RIGHT FEE SIMPLE
SH = STANDARD HIGHWAY EASEMENT
LA = LIMITED ACCESS EASEMENT
T = TEMPORARY EASEMENT
CH = CHANNEL EASEMENT
A = AERIAL EASEMENT
SL = SLOPE EASEMENT
PRE = PROPERTY RIGHT EASEMENT

MONUMENT LEGEND

- EXISTING R/W MONUMENT BOX
- PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- RAILROAD SPIKE FOUND
- RAILROAD SPIKE SET
- I.P.F. IRON PIN FOUND
- I.P.F. IRON PIN FOUND W/ ID CAP
- I.P.S. IRON PIN SET W/ ID CAP
- P.F. IRON PIPE FOUND
- P.S. IRON PIPE SET
- P.K.F. P.K. NAIL FOUND
- P.K.S. P.K. NAIL SET

STRUCTURE KEY

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

REV. BY	DATE	DESCRIPTION
DATE COMPLETED		

DESIGN AGENCY

DESIGNER CS
REVIEWER LW 11-13-20
PROJECT ID 109329
SUBSET P.11 TOTAL P.11
SHEET P.79 TOTAL P.87

LIC-62-0.49

MODEL: Plan 5 [Sheet] PAPERSIZE: 17x11(in.) DATE: 9/28/2021 TIME: 11:30:19 AM USER: Josh.Rognon
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PROJECT DESCRIPTION

INTERSECTION IMPROVEMENT BY ADDING WESTBOUND LEFT TURN LANE ON US 62 AND PROVIDING CLEAR ZONE-GRADED SLOPE ADJACENT TO INTERSECTION AREA.

HISTORIC RECORDS

NO HISTORIC RECORDS WERE FOUND FOR THIS PROJECT.

GEOLOGY

THE AREA IS LOCATED WITHIN THE GALION GLACIATED LOW PLATEAU PHYSIOGRAPHIC REGION. THE AREA IS CHARACTERIZED AS A TRANSITIONAL AREA BETWEEN THE GENTLY ROLLING GLACIAL TILL PLAINS TO THE WEST AND THE HILLY GLACIATED ALLEGHENY PLATEAU TO THE EAST. ROLLING TOPOGRAPHY WITH MODERATE RELIEF IS PRESENT WITH THIN TO THICK GLACIAL DRIFT. UNDERLYING THE GLACIAL DRIFT IS SHALE AND LIMESTONE OF MISSISSIPPIAN AGE.

RECONNAISSANCE

FIELD RECONNAISSANCE WAS COMPLETED BY PERSONNEL FROM THE OFFICE OF GEOTECHNICAL ENGINEERING ON MAY 6, 2020. THE ROADWAY WAS NOTED AS BEING IN GOOD CONDITION WITH CRACKING PRESENT. DEEP DITCHES RUN PARALLEL TO BOTH SIDES OF THE ROADWAY. ADJACENT LAND USAGE WAS NOTED AS PREDOMINATELY AGRICULTURAL FIELDS WITH PASTURE AND RURAL RESIDENTIAL LOTS. WET LOW LAYING GROUND WAS NOTED ALONG THE TOE OF THE NORTH SIDE EMBANKMENT BETWEEN BEECH AND GREEN CHAPEL ROADS.

SUBSURFACE EXPLORATION

SIX (6) BORINGS, B-001-0-20 THROUGH B-006-0-20, WERE COMPLETED AS PART OF THE SUBSURFACE EXPLORATION ON JUNE 1, 2020 UTILIZING A TRUCK MOUNTED CME 75 ROTARY DRILL RIG. ALL BORINGS WERE DRILLED USING 3 ¼-INCH HOLLOW STEM AUGERS TO ADVANCE THE BORINGS THROUGH THE SOIL. DISTURBED SAMPLES WERE COLLECTED IN ACCORDANCE WITH THE STANDARD PENETRATION TEST (AASHTO T206) AT CONTINUOUS INTERVALS FOR THE FULL DEPTH OF THE BORINGS. THE HAMMER SYSTEM USED WAS CALIBRATED ON APRIL 15, 2020, WITH AN AVERAGE DRILL ROD ENERGY RATIO (ER) OF 92.5%. 90% WAS USED FOR CALCULATING THE N60 VALUES FOR ALL THE SAMPLES. THREE (3) DYNAMIC CONE PENETRATION (WILDCAT) SOUNDINGS, D-004-1-20, D-004-2-20, AND D-005-1-20, WERE COMPLETED WITHIN THE IDENTIFIED LOW-LYING WET AREA.

EXPLORATION FINDINGS

ALL BORINGS WERE COMPLETED WITHIN THE EXISTING ROADWAY ENCOUNTERING 14 TO 16 INCHES OF ASPHALT. B-004-0-20 THROUGH B-006-0-20 ENCOUNTERED 2 INCHES OF AGGREGATE BASE BENEATH THE ASPHALT. BENEATH THE PAVEMENT THE BORINGS ENCOUNTERED COHESIVE SOILS CONSISTING OF SANDY SILT (A-4a), SILT AND CLAY (A-6a) AND SILTY CLAY (A-6b) WHICH RANGED FROM STIFF TO HARD CONSISTENCY AND DAMP TO MOIST IN CONDITION. B-006-0-20 FIRST ENCOUNTERED STONE FRAGMENTS WITH SAND AND SILT (A-2-4) WHICH WAS MEDIUM DENSE IN COMPACTNESS AND DAMP TO ELEVATION 1141.4 FEET. ORGANIC SOILS WERE NOTED IN B-001-0-20 AND B-004-0-20. WILDCAT SOUNDINGS INDICATED RELATIVELY SOFT TO MEDIUM STIFF SOILS NEAR THE SURFACE BECOMING STIFF WITH DEPTH.

FREE WATER WAS NOT NOTED IN ANY BORING AND ALL WERE REPORTED AS BEING DRY AT COMPLETION.

SPECIFICATIONS

THIS GEOTECHNICAL EXPLORATION WAS PERFORMED IN ACCORDANCE WITH THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, OFFICE OF GEOTECHNICAL ENGINEERING, SPECIFICATIONS FOR GEOTECHNICAL EXPLORATIONS, DATED JANUARY 2020.

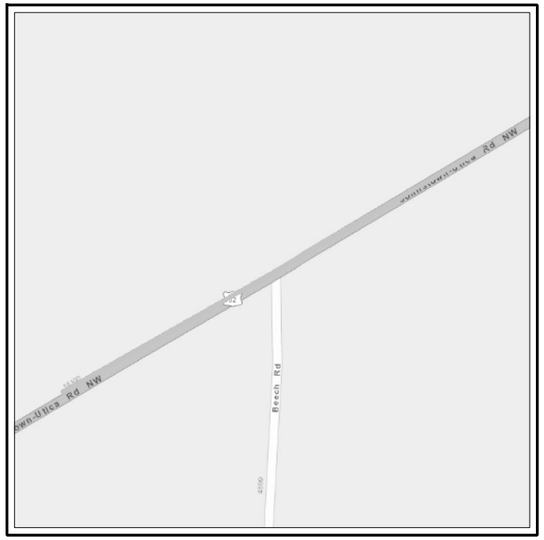
AVAILABLE INFORMATION

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

LEGEND

	DESCRIPTION	ODOT CLASS	CLASSIFIED MECH./VISUAL	
	GRAVEL AND/OR STONE FRAGS. WITH SAND & SILT	A-2-4 (0)	1	-
	SANDY SILT	A-4a (6)	1	-
	SILT AND CLAY	A-6a (8)	9	5
	SILTY CLAY	A-6b (11)	3	5
		TOTAL	14	10
	PAVEMENT OR BASE = X = APPROXIMATE THICKNESS	VISUAL		
	BORING & WILDCAT DYNAMIC CONE LOCATION - PLAN VIEW.			
	DRIVE SAMPLE AND/OR ROCK CORE BORING PLOTTED TO VERTICAL SCALE ONLY. HORIZONTAL BAR INDICATES A CHANGE IN STRATIGRAPHY.			
WC	INDICATES WATER CONTENT IN PERCENT.			
N_{60}	INDICATES STANDARD PENETRATION RESISTANCE NORMALIZED TO 60% DRILL ROD ENERGY RATIO.			
●	INDICATES A PLASTIC MATERIAL WITH A MOISTURE CONTENT EQUAL TO OR GREATER THAN THE LIQUID LIMIT MINUS 3.			
SS	INDICATES A SPLIT SPOON SAMPLE.			
LOI	INDICATES ORGANIC CONTENT BY LOSS ON IGNITION TEST (AASHTO T267).			

ORGANIC CONTENT BY LOSS ON IGNITION		
EXPLOR. ID	DEPTH	LOI (%)
B-001-0-20	1.5' - 3.0'	3.5
B-004-0-20	3.0' - 4.5'	4.2



LOCATION MAP

SCALE IN MILES

0 1 2 3 4

PARTICLE SIZE DEFINITIONS

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

RECON. - AMJ 05/06/20
DRILLING - KAM 06/01/20
DRAWN - BKL 10/20
REVIEWED - ST 11/20
REVISED - BKL 03/21

SOIL PROFILE - ROADWAY

DESIGN AGENCY

DESIGNER BKL
REVIEWER ST 03/26/21
PROJECT ID 109329
SUBSET 1 TOTAL 8
SHEET P.80 TOTAL 87

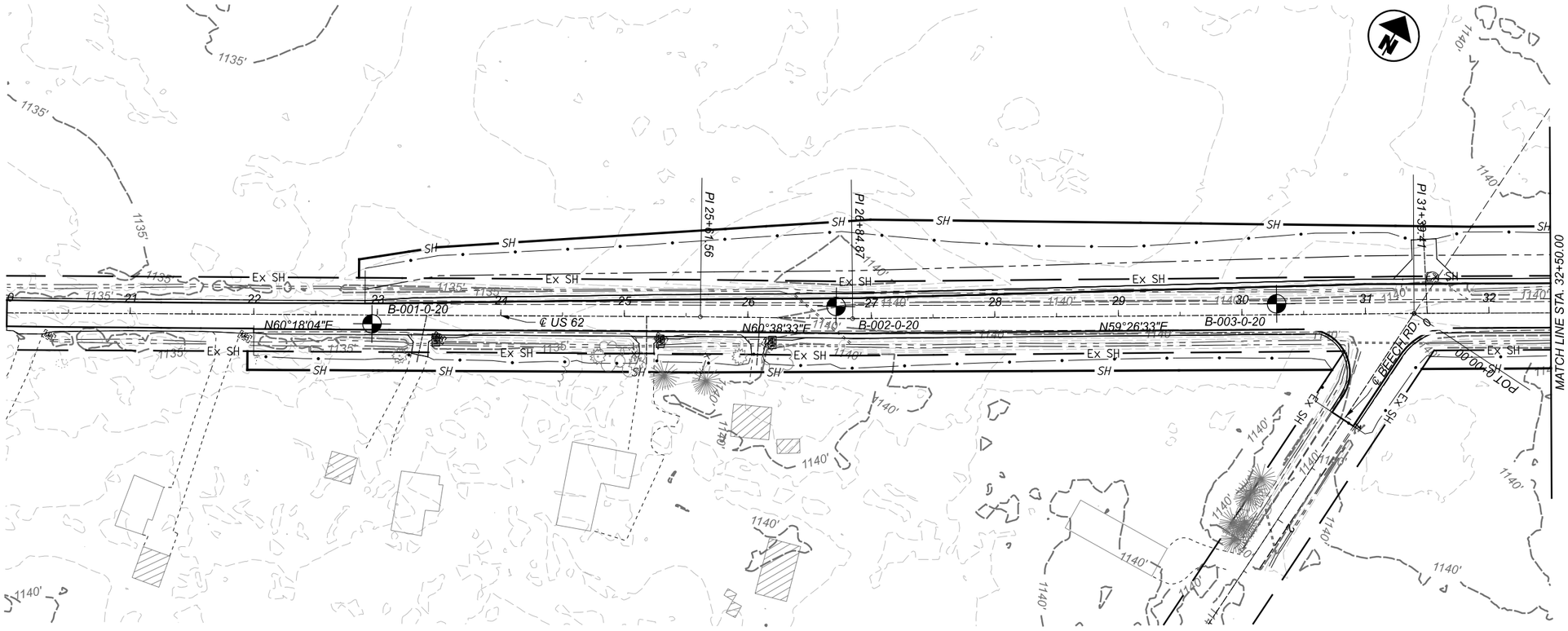
LIC-62-0.49

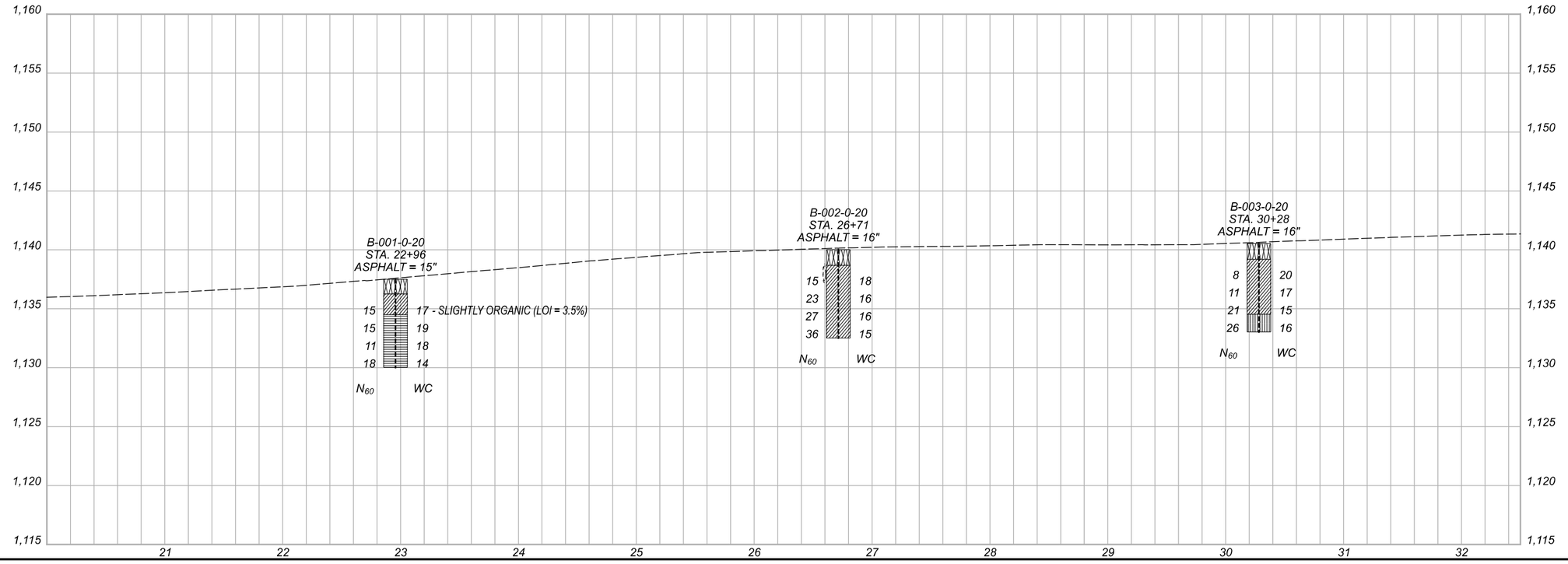
MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 9/28/2021 TIME: 11:30:35 AM USER: Josh_Rognon
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 05\Licking\109329\9400-Engineering\Geotechnical\Sheets\109329_IC001.dgn

SUMMARY OF SOIL TEST DATA

US 62

EXPLORATION ID. / STATION & OFFSET	FROM - TO	SAMPLE ID	N_{60}	% REC	tsf HP	% GR	% CS	% FS	% SILT	% CLAY	LL	PL	PI	% WC	ODOT CLASS (GI)
B-001-0-20	01.50 - 03.00	SS-1	15	67	3.50	2	5	17	46	30	30	18	12	17	A-6a (9)
STA. 22+96, 7' RT.	03.00 - 04.50	SS-2	15	0	-				SAME AS SS-2					19	A-6b (VISUAL)
LATITUDE = 40.123093	04.50 - 06.00	SS-3	11	56	2.00	7	7	14	36	36	36	19	17	18	A-6b (10)
LONGITUDE = -82.754532	06.00 - 07.50	SS-4	18	100	3.50				SAME AS SS-3					14	A-6b (VISUAL)
B-002-0-20	01.50 - 03.00	SS-1	15	67	4.00	3	8	14	39	36	28	15	13	18	A-6a (9)
STA. 26+71, 10' LT.	03.00 - 04.50	SS-2	23	78	4.50	6	11	17	38	28	25	14	11	16	A-6a (7)
LATITUDE = 40.123646	04.50 - 06.00	SS-3	27	100	4.50				SAME AS SS-2					16	A-6a (VISUAL)
LONGITUDE = -82.753396	06.00 - 07.50	SS-4	36	100	4.50				SAME AS SS-2					15	A-6a (VISUAL)
B-003-0-20	01.50 - 03.00	SS-1	8	33	2.50	4	6	15	40	35	29	14	15	20	A-6a (10)
STA. 30+28, 9' LT.	03.00 - 04.50	SS-2	11	33	3.00	14	9	12	38	27	30	15	15	17	A-6a (8)
LATITUDE = 40.124143	04.50 - 06.00	SS-3	21	78	4.50				SAME AS SS-2					15	A-6a (VISUAL)
LONGITUDE = -82.752298	06.00 - 07.50	SS-4	26	89	4.50	6	12	17	39	26	26	16	10	16	A-4a (6)
B-004-0-20	01.50 - 03.00	SS-1	11	39	1.50	3	9	12	44	32	28	16	12	19	A-6a (9)
STA. 34+08, 9' LT.	03.00 - 04.50	SS-2	9	100	1.50	10	5	11	43	31	32	18	14	29	A-6a (9) ●
LATITUDE = 40.124672	04.50 - 06.00	SS-3	3	11	1.75				SAME AS SS-2					24	A-6a (VISUAL)
LONGITUDE = -82.751127	06.00 - 07.50	SS-4	8	56	1.00				SAME AS SS-2					26	A-6a (VISUAL)
B-005-0-20	01.50 - 03.00	SS-1	15	56	3.50	16	10	12	34	28	30	15	15	15	A-6a (7)
STA. 37+76, 7' RT.	03.00 - 04.50	SS-2	15	100	2.50	6	5	14	38	37	33	17	16	18	A-6b (10)
LATITUDE = 40.125146	04.50 - 06.00	SS-3	21	100	3.50				SAME AS SS-2					15	A-6b (VISUAL)
LONGITUDE = -82.749966	06.00 - 07.50	SS-4	26	100	4.50				SAME AS SS-2					16	A-6b (VISUAL)
B-006-0-20	01.50 - 03.00	SS-1	20	33	-	51	11	9	16	13	26	16	10	13	A-2-4 (0)
STA. 41+19, 6' RT.	03.00 - 04.50	SS-2	15	89	3.00	11	5	15	41	28	30	17	13	18	A-6a (8)
LATITUDE = 40.125627	04.50 - 06.00	SS-3	14	100	2.50	8	5	12	37	38	38	18	20	20	A-6b (12)
LONGITUDE = -82.748909	06.00 - 07.50	SS-4	9	100	2.50				SAME AS SS-3					19	A-6b (VISUAL)





HORIZONTAL SCALE IN FEET
0 25 50 100

SOIL PROFILE - ROADWAY
STA. 20+00 TO STA. 32+50

DESIGN AGENCY

DESIGNER BKL
REVIEWER ST 03/26/21
PROJECT ID 109329
SUBSET 3 TOTAL 8
SHEET P.82 TOTAL 87

LIC-62-0.49

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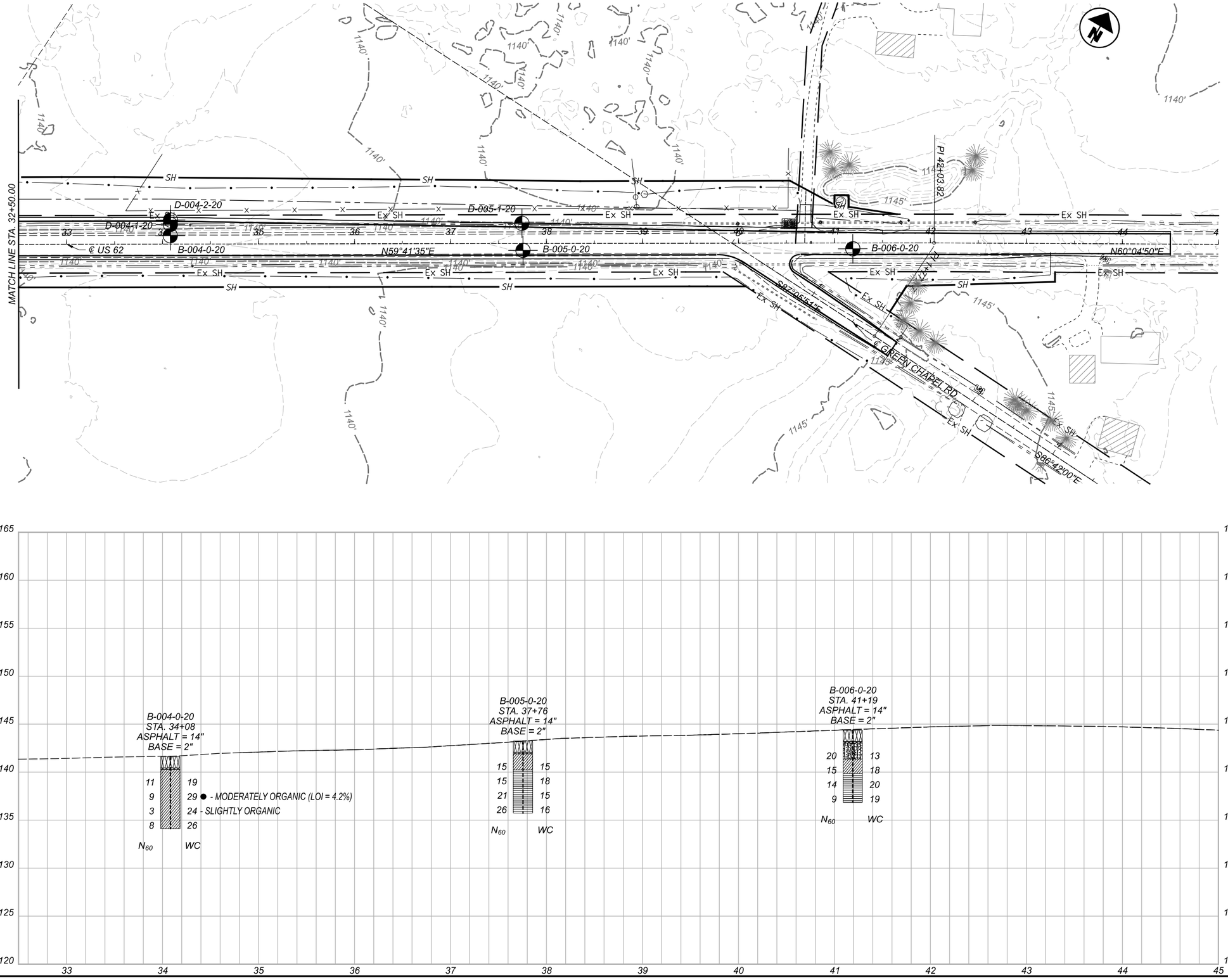

HORIZONTAL SCALE IN FEET
0 25 50 100

SOIL PROFILE - ROADWAY
STA. 32+50 TO STA. 45+00

DESIGN AGENCY

DESIGNER BKL
REVIEWER ST 03/26/21
PROJECT ID 109329
SUBSET 4 TOTAL 8
SHEET P.83 TOTAL 87

LIC-62-0.49

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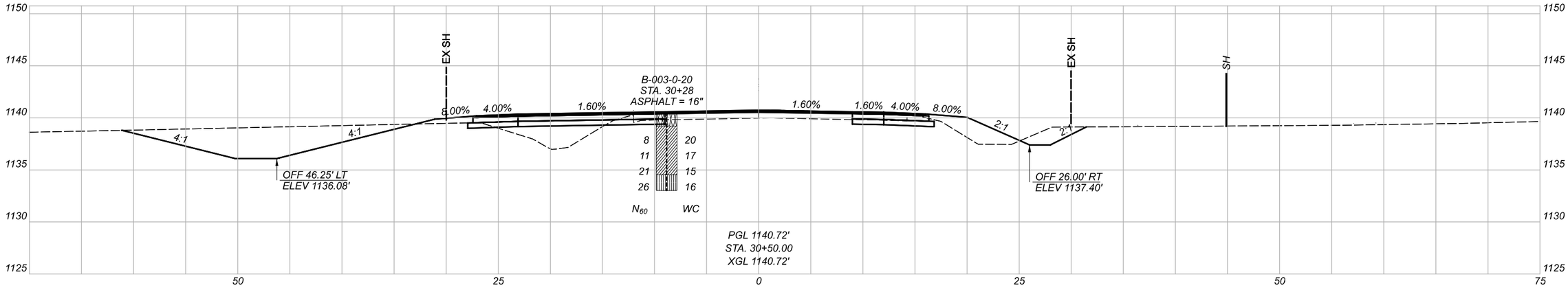
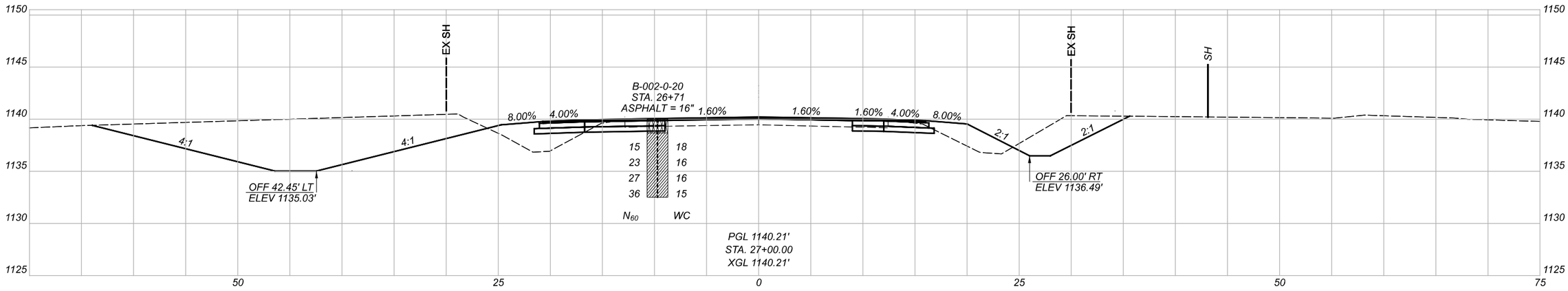
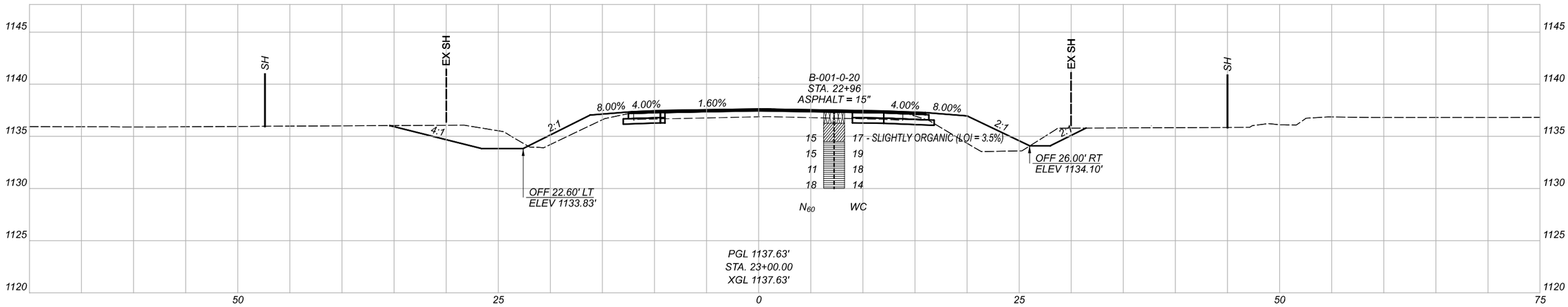






SOIL PROFILE - ROADWAY
CROSS SECTIONS STA.'S 23+00, 27+00, & 30+50

DESIGN AGENCY

DESIGNER
BKL

REVIEWER
ST 03/26/21

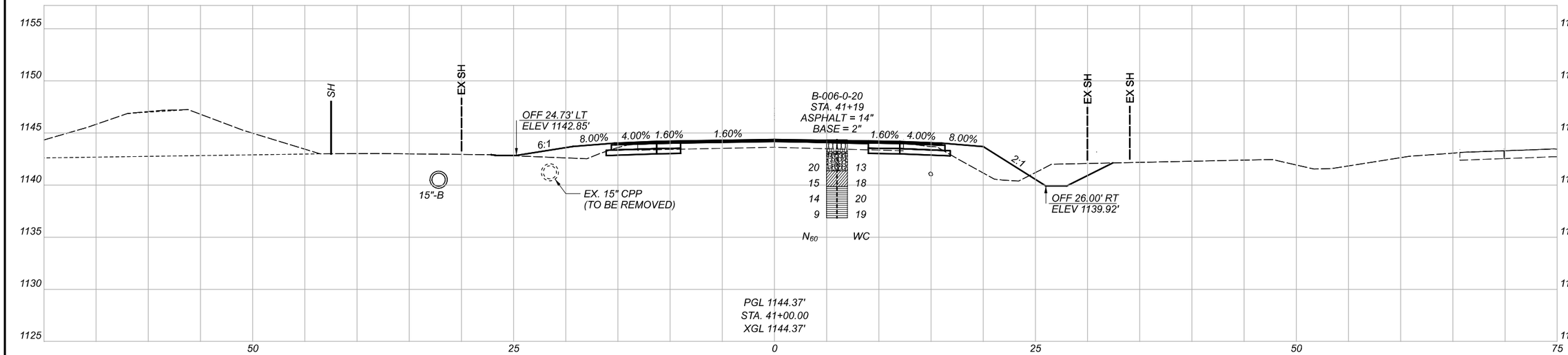
PROJECT ID
109329

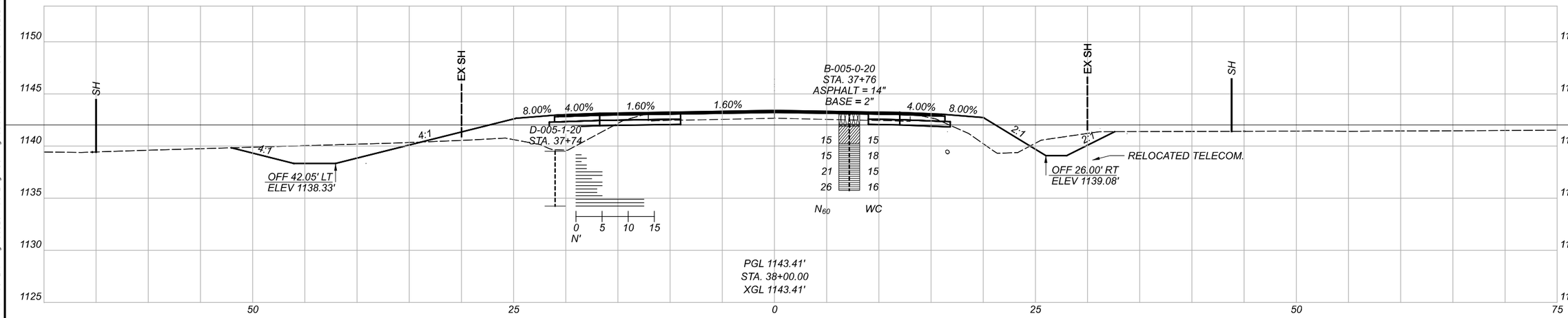
SUBSET 5 | TOTAL 8

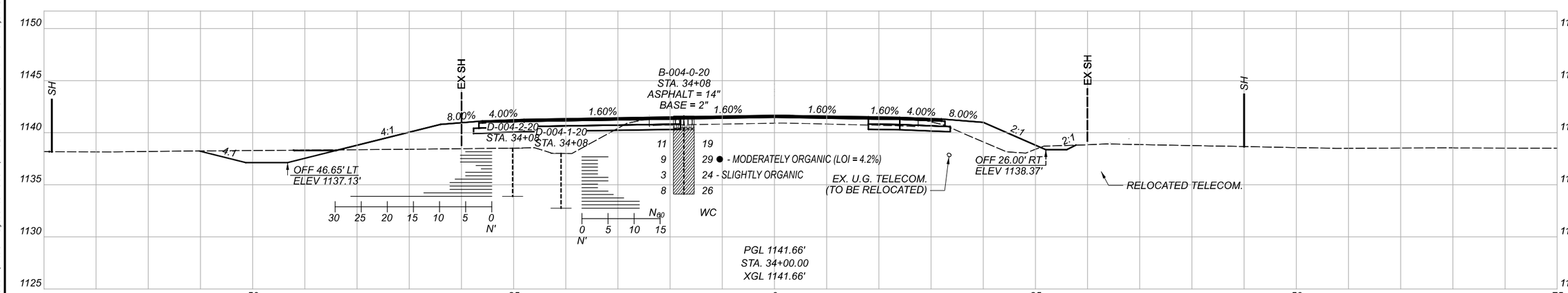
SHEET P.84 | TOTAL 87

LIC-62-0.49

SOIL PROFILE - ROADWAY
CROSS SECTIONS STA.'S 34+00, 38+00 & 41+00







DESIGN AGENCY

DESIGNER	BKL
REVIEWER	ST 03/26/21
PROJECT ID	109329
SUBSET / TOTAL	6 / 8
SHEET / TOTAL	P.85 / 87

LIC-62-0.49

WILDCAT DYNAMIC CONE LOG

The Ohio Department of Transportation
Office of Geotechnical Engineering
1600 West Broad Street, Columbus, Ohio 43223

PROJECT NUMBER: 109329
DATE STARTED: 06-08-2020
DATE COMPLETED: 06-08-2020

HOLE #: D-004-1-20
CREW: P. Painter & A. Ross
PROJECT: LIC-62-0.49
LAT/LONG: 40.124701, -82.751148
LOCATION: STA. 34+08, 20' Lt.

SURFACE ELEVATION: 1138.0
WATER ON COMPLETION: Dry
HAMMER WEIGHT: 35 lbs.
CONE AREA: 10 sq. cm

DEPTH	BLOWS PER 10 cm	RESISTANCE Kg/cm²	GRAPH OF CONE RESISTANCE 0 50 100 150	N'	TESTED CONSISTENCY NON-COHESIVE	TESTED CONSISTENCY COHESIVE
-	4	17.8	•••••	5	LOOSE	MEDIUM STIFF
-	3	13.3	•••	3	VERY LOOSE	SOFT
- 1 ft	3	13.3	•••	3	VERY LOOSE	SOFT
-	3	13.3	•••	3	VERY LOOSE	SOFT
-	3	13.3	•••	3	VERY LOOSE	SOFT
- 2 ft	3	13.3	•••	3	VERY LOOSE	SOFT
-	4	17.8	•••••	5	LOOSE	MEDIUM STIFF
-	4	17.8	•••••	5	LOOSE	MEDIUM STIFF
- 3 ft	3	13.3	•••	3	VERY LOOSE	SOFT
- 1 m	3	13.3	•••	3	VERY LOOSE	SOFT
-	5	19.3	•••••	5	LOOSE	MEDIUM STIFF
- 4 ft	6	23.2	••••••	6	LOOSE	MEDIUM STIFF
-	8	30.9	••••••••	8	LOOSE	MEDIUM STIFF
-	10	38.6	••••••••••	11	MEDIUM DENSE	STIFF
- 5 ft	10	38.6	••••••••••	11	MEDIUM DENSE	STIFF
-	10	38.6	••••••••••	11	MEDIUM DENSE	STIFF
-						
- 6 ft						
-						
- 2 m						
- 7 ft						
-						
- 8 ft						
-						
-						
- 9 ft						
-						
-						
- 3 m 10 ft						
-						
-						
-						
- 11 ft						
-						
-						
- 12 ft						
-						
-						
- 4 m 13 ft						

WILDCAT DYNAMIC CONE LOG

The Ohio Department of Transportation
Office of Geotechnical Engineering
1600 West Broad Street, Columbus, Ohio 43223

PROJECT NUMBER: 109329
DATE STARTED: 06-08-2020
DATE COMPLETED: 06-08-2020

HOLE #: D-004-2-20
CREW: P. Painter & A. Ross
PROJECT: LIC-62-0.49
LAT/LONG: 40.124712, -82.751156
LOCATION: STA. 34+08, 25' Lt.

SURFACE ELEVATION: 1138.5
WATER ON COMPLETION: Dry
HAMMER WEIGHT: 35 lbs.
CONE AREA: 10 sq. cm

DEPTH	BLOWS PER 10 cm	RESISTANCE Kg/cm²	GRAPH OF CONE RESISTANCE 0 50 100 150	N'	TESTED CONSISTENCY NON-COHESIVE	TESTED CONSISTENCY COHESIVE
-	4	17.8	•••••	5	LOOSE	MEDIUM STIFF
-	5	22.2	••••••	6	LOOSE	MEDIUM STIFF
- 1 ft	5	22.2	••••••	6	LOOSE	MEDIUM STIFF
-	5	22.2	••••••	6	LOOSE	MEDIUM STIFF
-	3	13.3	•••	3	VERY LOOSE	SOFT
- 2 ft	2	8.9	••	2	VERY LOOSE	SOFT
-	4	17.8	•••••	5	LOOSE	MEDIUM STIFF
-	4	17.8	•••••	5	LOOSE	MEDIUM STIFF
- 3 ft	6	26.6	•••••••	7	LOOSE	MEDIUM STIFF
- 1 m	7	31.1	•••••••••	8	LOOSE	MEDIUM STIFF
-	8	30.9	••••••••	8	LOOSE	MEDIUM STIFF
- 4 ft	8	30.9	••••••••	8	LOOSE	MEDIUM STIFF
-	12	46.3	••••••••••••	13	MEDIUM DENSE	STIFF
-	25	96.5	••••••••••••••••••••••••••	25+	MEDIUM DENSE	VERY STIFF
- 5 ft						
-						
-						
- 6 ft						
-						
- 2 m						
- 7 ft						
-						
- 8 ft						
-						
-						
- 9 ft						
-						
-						
- 3 m 10 ft						
-						
-						
-						
- 11 ft						
-						
-						
- 12 ft						
-						
-						
- 4 m 13 ft						

SOIL PROFILE - ROADWAY
WILDCAT DYNAMIC CONE LOGS D-004-1-20 & D-004-2-20

DESIGN AGENCY

DESIGNER BKL
REVIEWER ST 03/26/21
PROJECT ID 109329
SUBSET 7 TOTAL 8
SHEET P.86 TOTAL 87

LIC-62-0.49

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WILDCAT DYNAMIC CONE LOG

The Ohio Department of Transportation
Office of Geotechnical Engineering
1600 West Broad Street, Columbus, Ohio 43223

PROJECT NUMBER: 109329
DATE STARTED: 06-08-2020
DATE COMPLETED: 06-08-2020

HOLE #: D-005-1-20
CREW: P. Painter & A. Ross
PROJECT: LIC-62-0.49
LAT/LONG: 40.125212, -82.750020
LOCATION: STA. 37+74, 21' Lt.

SURFACE ELEVATION: 1139.5
WATER ON COMPLETION: Dry
HAMMER WEIGHT: 35 lbs.
CONE AREA: 10 sq. cm

DEPTH	BLOWS PER 10 cm	RESISTANCE Kg/cm²	GRAPH OF CONE RESISTANCE 0 50 100 150	N'	TESTED CONSISTENCY NON-COHESIVE	TESTED CONSISTENCY COHESIVE
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	2	8.9	••	2	VERY LOOSE	SOFT
- 1 ft	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	2	8.9	••	2	VERY LOOSE	SOFT
-	2	8.9	••	2	VERY LOOSE	SOFT
- 2 ft	4	17.8	•••••	5	LOOSE	MEDIUM STIFF
-	4	17.8	•••••	5	LOOSE	MEDIUM STIFF
-	3	13.3	•••	3	VERY LOOSE	SOFT
- 3 ft	4	17.8	•••••	5	LOOSE	MEDIUM STIFF
- 1 m	4	17.8	•••••	5	LOOSE	MEDIUM STIFF
-	4	15.4	••••	4	VERY LOOSE	SOFT
- 4 ft	4	15.4	••••	4	VERY LOOSE	SOFT
-	5	19.3	•••••	5	LOOSE	MEDIUM STIFF
-	12	46.3	••••••••••••	13	MEDIUM DENSE	STIFF
- 5 ft	12	46.3	••••••••••••	13	MEDIUM DENSE	STIFF
-	12	46.3	••••••••••••	13	MEDIUM DENSE	STIFF
-	12	46.3	••••••••••••	13	MEDIUM DENSE	STIFF
- 6 ft						
- 2 m						
- 7 ft						
- 8 ft						
- 9 ft						
- 3 m 10 ft						
- 11 ft						
- 12 ft						
- 4 m 13 ft						

SOIL PROFILE - ROADWAY
WILDCAT DYNAMIC CONE LOG D-005-1-20

DESIGN AGENCY

DESIGNER BKL
REVIEWER ST 03/26/21
PROJECT ID 109329
SUBSET 8 TOTAL 8
SHEET P.87 TOTAL 87

LIC-62-0.49

MODEL: Sheet PAPERSIZE: 17x11(in.) DATE: 9/28/2021 TIME: 11:32:26 AM USER: Josh_Rognon
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