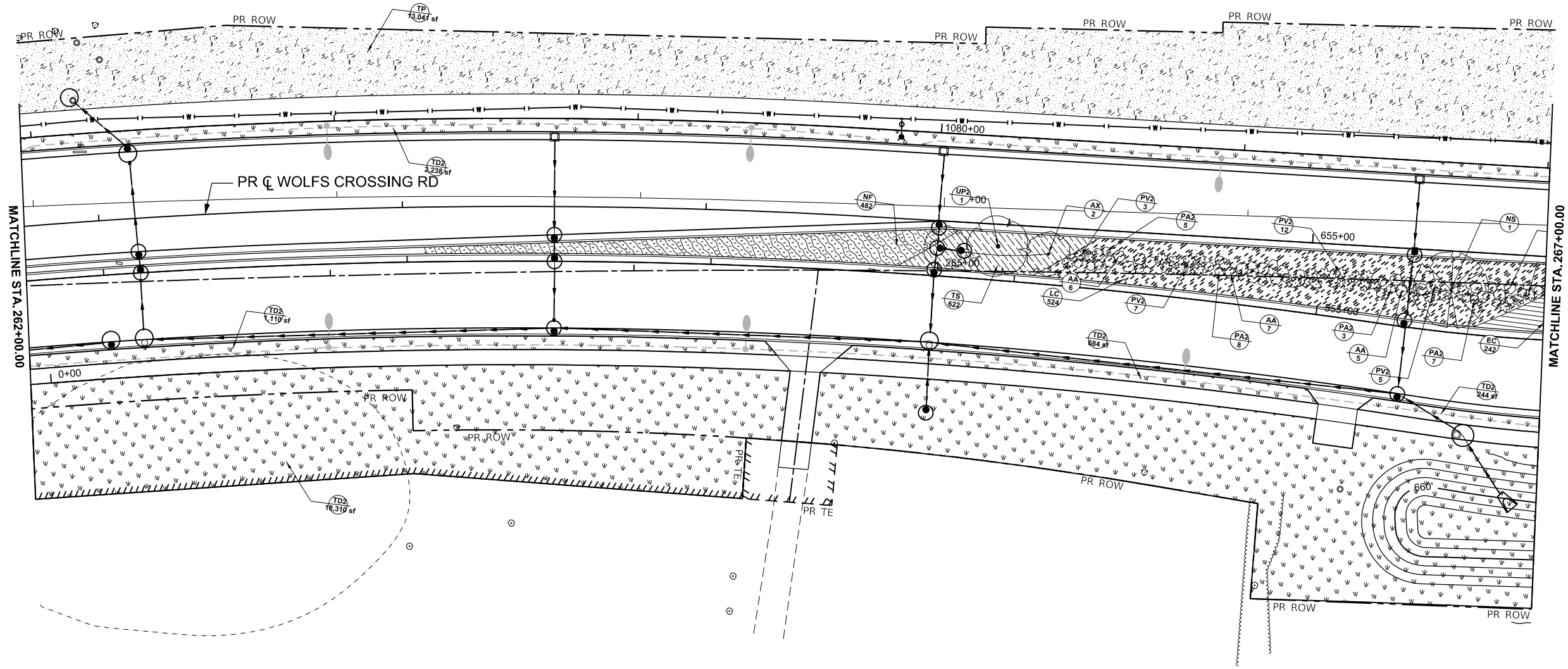




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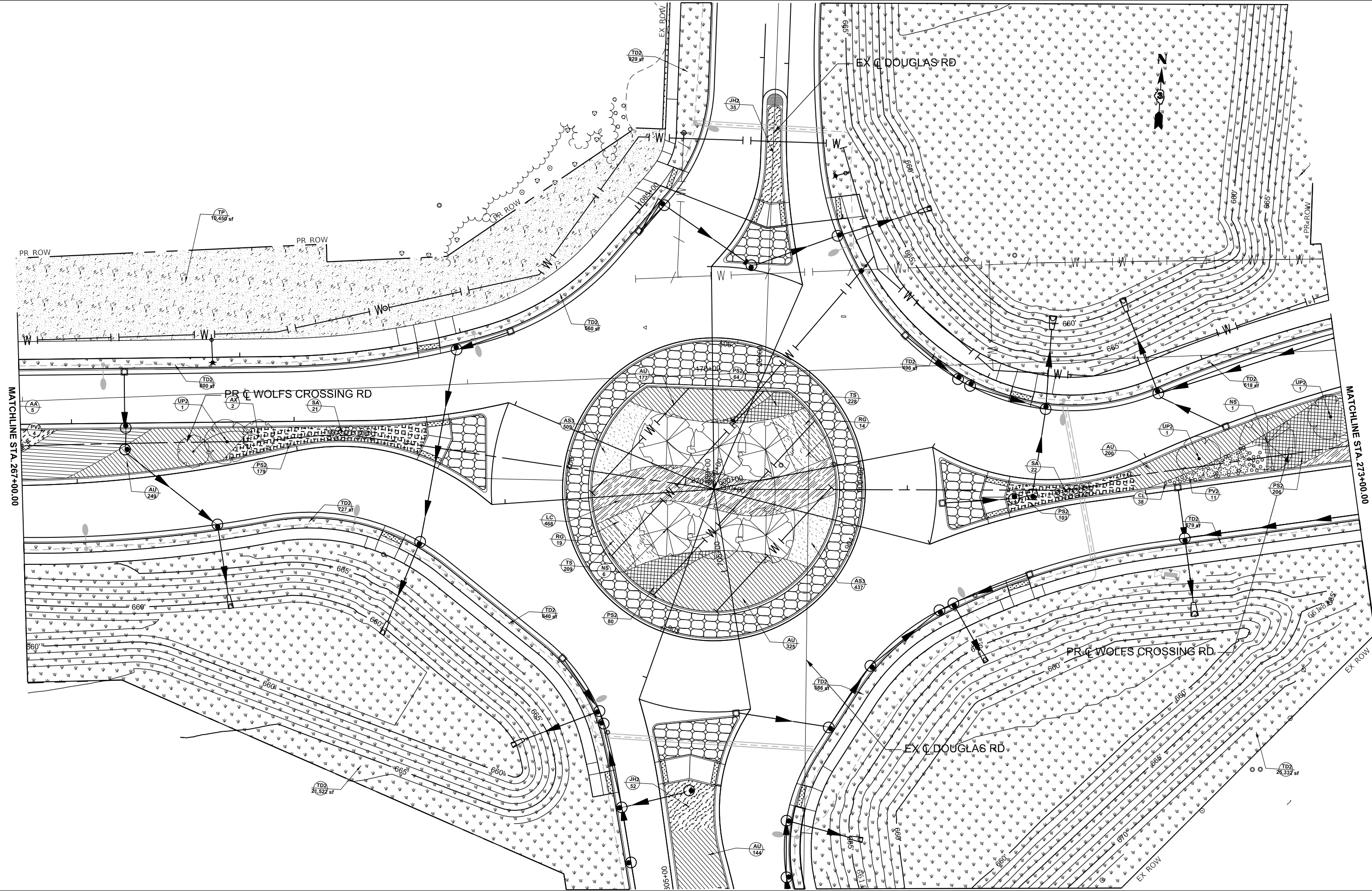
Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

LANDSCAPING PLANS
WOLF'S CROSSING RD

SCALE: 1"=20' SHEET 6 OF 14 SHEETS STA. 262+00.00 TO STA. 267+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	301
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

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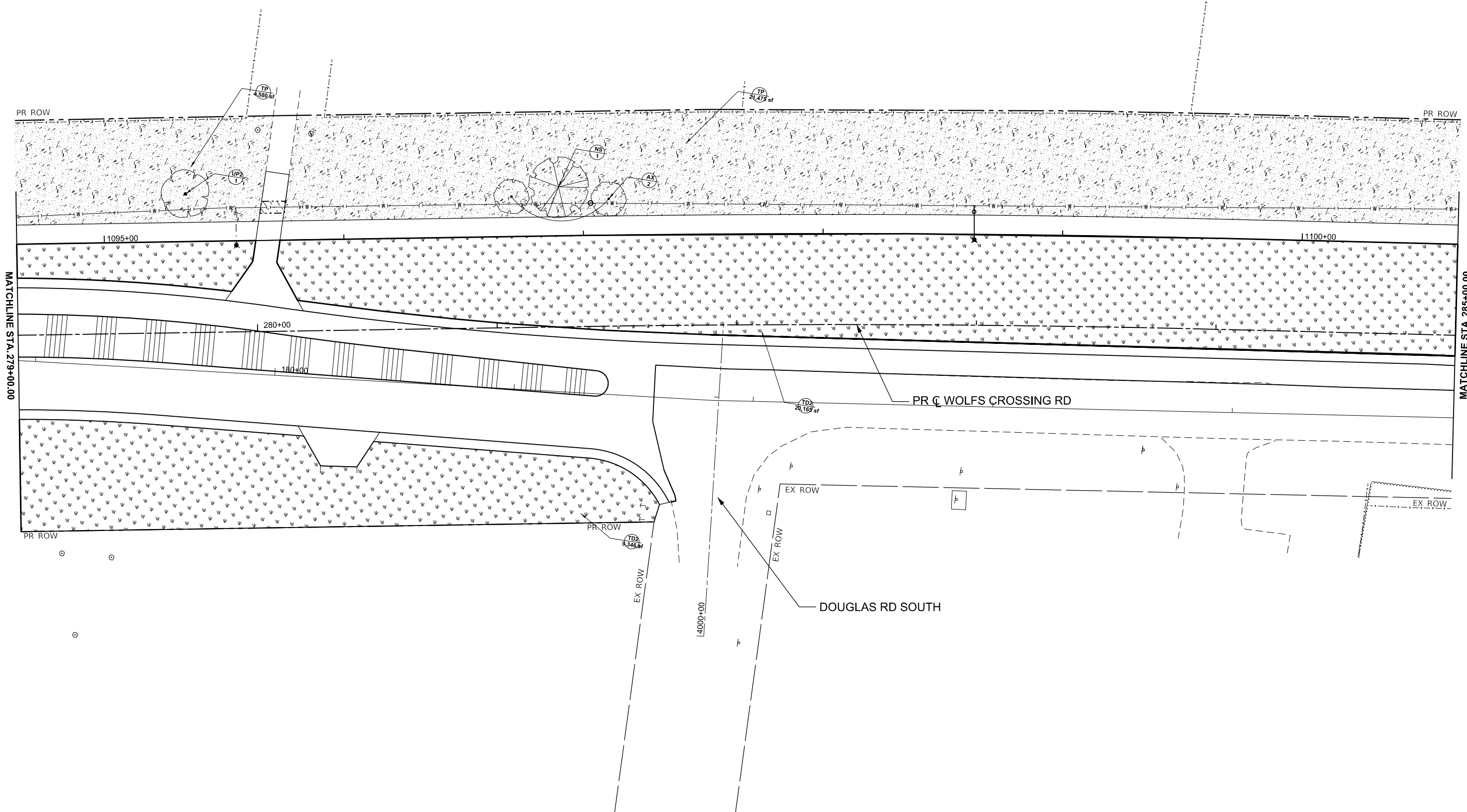
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PLOT SCALE	= \$SCALE\$	CHECKED	- J.MAJEWSKI	REVISED	-
PLOT DATE	= 3/25/2025	DATE	- 07/04/2025	REVISED	-



LANDSCAPING PLANS
WOLF'S CROSSING RD

SCALE: 1"=20' SHEET 7 OF 14 SHEETS STA. 267+00.00 TO STA. 273+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	302
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				



benesch
 Alfred Benesch & Company
 35 W Wacker Drive, Suite 3300
 Chicago, Illinois 60601
 312-565-0450 Job No. 10585.01



Village of
Oswego

SCALE: 1"=20'	SHEET 9	OF 14	SHEETS	STA. 279+00.00	TO STA. 285+00.00
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	304
CONTRACT NO. 87846				
		ILLINOIS	FED. AID PROJECT	

MODEL: Douglas - LSC.DG Plan 01 [Sheet]
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35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10585.01

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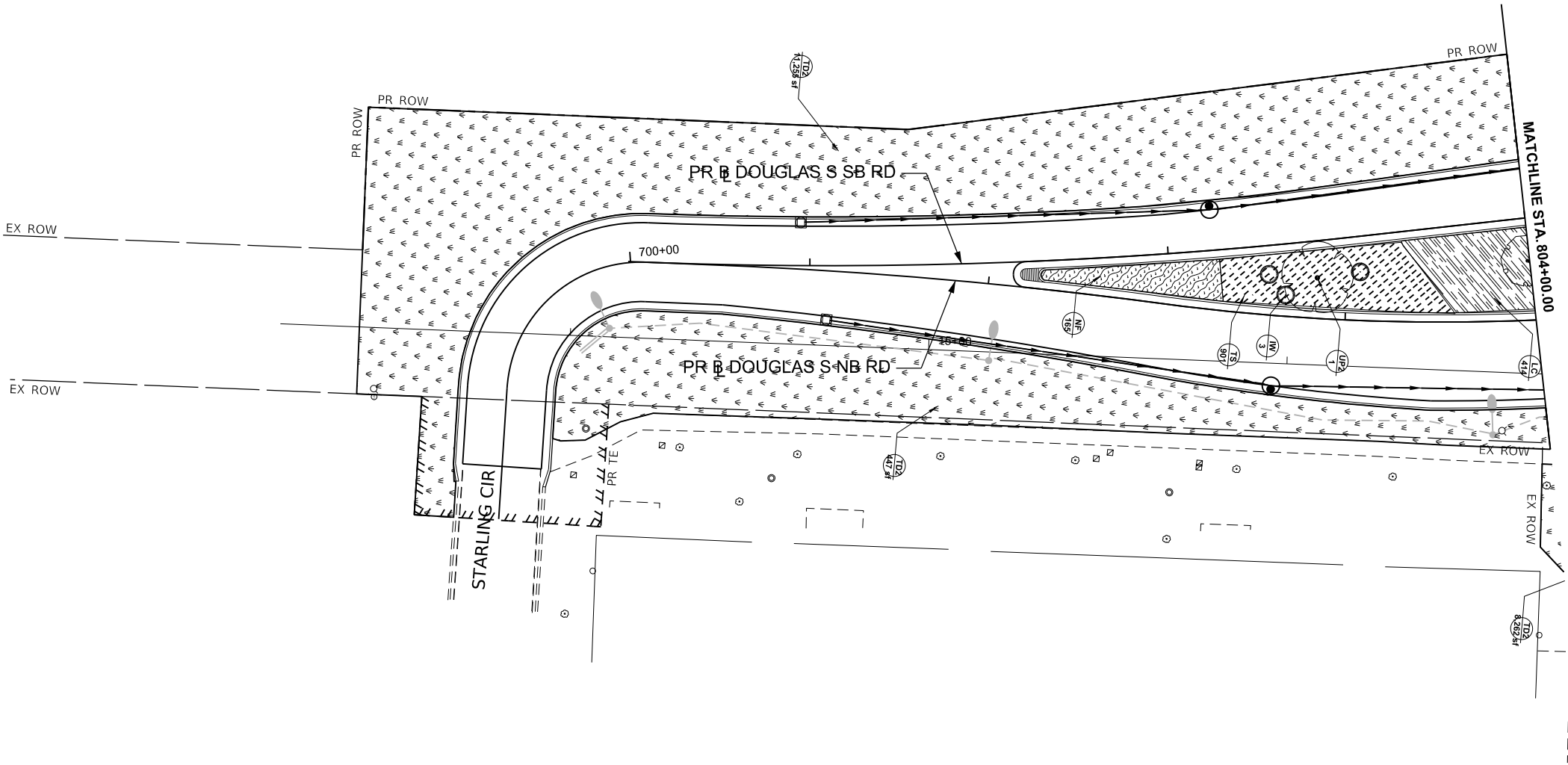


Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

LANDSCAPING PLANS
DOUGLAS RD

SCALE: 1"=20' SHEET 11 OF 14 SHEETS STA. 798+50.00 TO STA. 804+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	306
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				



MODEL: Douglas - LSC DG Plan 02 [Sheet]
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Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10585.01

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PLOT DATE = 3/25/2025

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CHECKED - J.MAJEWSKI
DATE - 07/04/2025

REVISED -
REVISED -
REVISED -
REVISED -

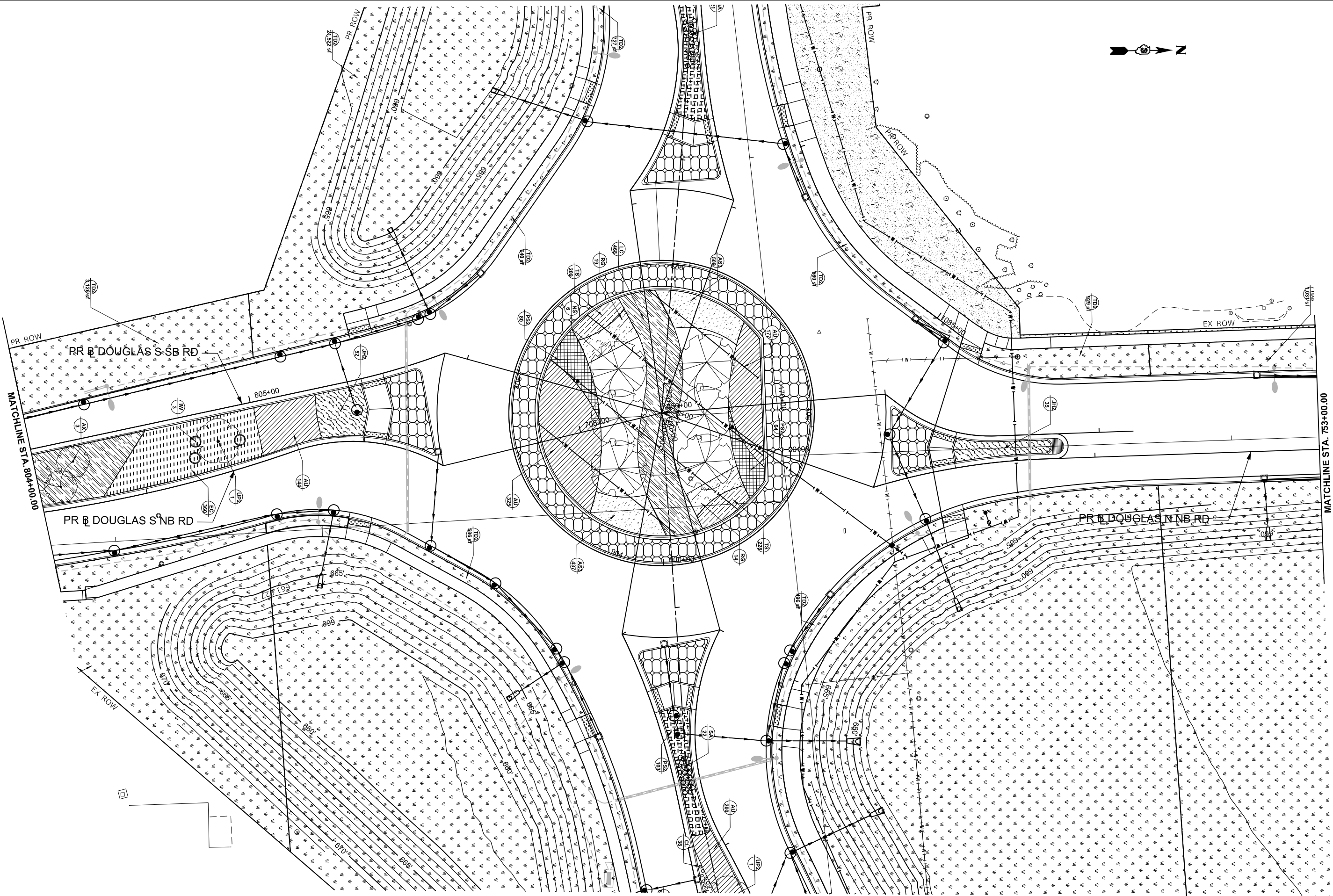


Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

LANDSCAPING PLANS
DOUGLAS RD

SCALE: 1"=20' SHEET 12 OF 14 SHEETS STA. 804+00.00 TO STA. 753+00.00 R2

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	307
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				



MODEL: Douglas - LSC DG Plan 03 [Sheet]
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Allied Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10585.01

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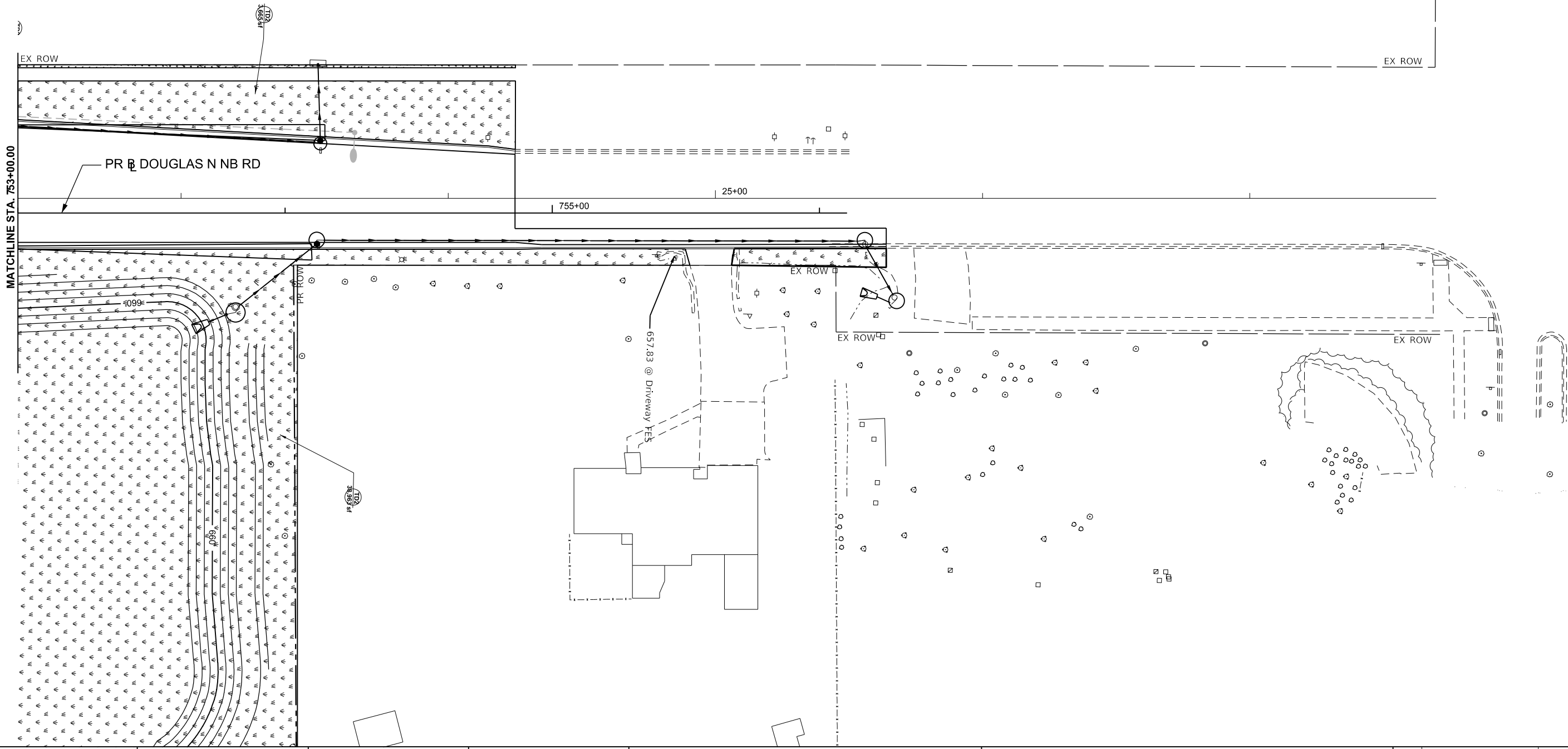


Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
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LANDSCAPING PLANS
DOUGLAS RD

SCALE: 1"=20' SHEET 13 OF 14 SHEETS STA. 753+00.00 R2 TO STA. 759+00.00 R2

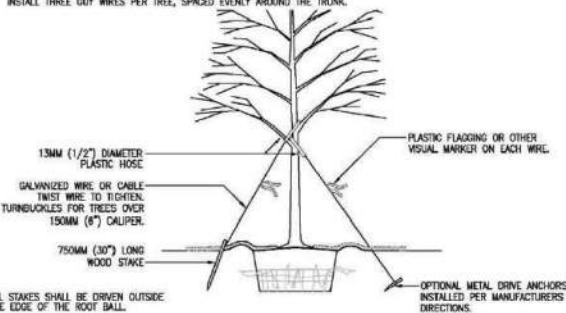
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	308
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				



INTERNATIONAL SOCIETY
OF ARBORICULTURE

INTERNATIONAL SOCIETY OF ARBORICULTURE
1400 WEST ANTHONY DRIVE
CHAMPAIGN, IL 61821
(217) 355-9411
(217) 355-9516 FAX

WIRE OR CABLE SIZES SHALL BE AS FOLLOWS:
TREES UP TO 65 MM (2.5 IN.) CALIPER - 14 GAUGE
TREES 65 MM (2.5 IN.) TO 75 MM (3 IN.) CALIPER - 12 GAUGE
TIGHTEN WIRE OR CABLE ONLY ENOUGH TO KEEP FROM SLIPPING. ALLOW FOR SOME TRUNK MOVEMENT. PLASTIC HOSE
SHALL BE LONG ENOUGH TO ACCOMMODATE 30MM (1.5 IN.) OF GROWTH AND BUFFER ALL BRANCHES FROM THE WIRE.
TUCK ANY LOOSE ENDS OF THE WIRE OR CABLE INTO THE WIRE WRAP SO THAT NO SHARP WIRE ENDS ARE EXPOSED.
INSTALL THREE GUY WIRES PER TREE, SPACED EVENLY AROUND THE TRUNK.



ALL STAKES SHALL BE DRIVEN OUTSIDE THE EDGE OF THE ROOT BALL.
ASSURE THAT THE BEARING SURFACE OF THE PROTECTIVE COVERING OF THE WIRE OR CABLE AGAINST THE TREE TRUNK IS A MINIMUM OF 12 MM (0.5 IN.).
REMOVE ALL STAKING AS SOON AS THE TREE HAS GROWN SUFFICIENT ROOTS TO OVERCOME THE PROBLEM THAT REQUIRED THE TREE TO BE STAKED. STAKES SHALL BE REMOVED NO LATER THE END OF THE FIRST GROWING SEASON AFTER PLANTING.
TREES NORMALLY DO NOT NEED TO BE STAKED AND STAKING CAN BE HARMFUL TO THE TREE. STAKING SHOULD BE DONE ONLY WITH THE APPROVAL OF THE LANDSCAPE ARCHITECT IF IT IS EXPECTED THAT THE TREE WILL NOT BE ABLE TO SUPPORT ITSELF. THE FOLLOWING ARE REASONS WHY TREES DO NOT REMAIN STRAIGHT:
o TREES WITH POOR-QUALITY ROOT BALLS OR ROOT BALLS THAT HAVE BEEN CRACKED OR DAMAGED. REJECT RATHER THAN STAKE.
o TREES THAT HAVE GROWN TOO CLOSE TOGETHER IN THE NURSERY, RESULTING IN WEAK TRUNKS. REJECT RATHER THAN STAKE.
o PLANTING PROCEDURES THAT DO NOT ADEQUATELY TAMP SOILS AROUND THE ROOT BALL. CORRECT THE PLANTING PROCEDURE.
o ROOT BALLS PLACED ON SOFT SOIL. TAMP SOILS UNDER ROOT BALL PRIOR TO PLANTING.
o ROOT BALLS WITH VERY SANDY SOIL OR VERY WET CLAY SOIL. STAKING ADVISABLE.
o TREES LOCATED IN A PLACE OF EXTREMELY WINDY CONDITIONS. STAKING ADVISABLE.

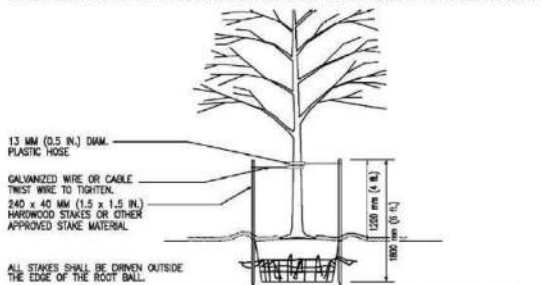
NOTES:
1. PLEASE REFER TO INTRODUCTION AND USE CRITERIA PRIOR TO USING THIS DETAIL.
TREE STAKING DETAIL - TREES 75MM (3 IN.) CALIPER OR LARGER

REVISIONS	
INITIAL	DATE
JPH	MARCH 2007

INTERNATIONAL SOCIETY
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CHAMPAIGN, IL 61821
(217) 355-9411
(217) 355-9516 FAX

WIRE OR CABLE SIZES SHALL BE AS FOLLOWS:
TREES UP TO 65 MM (2.5 IN.) CALIPER - 14 GAUGE
TREES 65 MM (2.5 IN.) TO 75 MM (3 IN.) CALIPER - 12 GAUGE
TIGHTEN WIRE OR CABLE ONLY ENOUGH TO KEEP FROM SLIPPING. ALLOW FOR SOME TRUNK MOVEMENT. PLASTIC HOSE
SHALL BE LONG ENOUGH TO ACCOMMODATE 30MM (1.5 IN.) OF GROWTH AND BUFFER ALL BRANCHES FROM THE WIRE.
TUCK ANY LOOSE ENDS OF THE WIRE OR CABLE INTO THE WIRE WRAP SO THAT NO SHARP WIRE ENDS ARE EXPOSED.



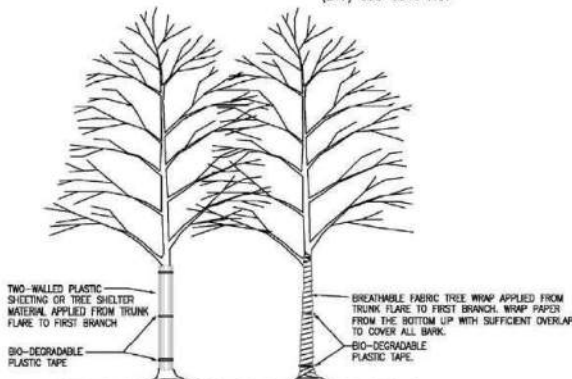
ASSURE THAT THE BEARING SURFACE OF THE PROTECTIVE COVERING OF THE WIRE OR CABLE AGAINST THE TREE TRUNK IS A MINIMUM OF 12 MM (0.5 IN.).
REMOVE ALL STAKING AS SOON AS THE TREE HAS GROWN SUFFICIENT ROOTS TO OVERCOME THE PROBLEM THAT REQUIRED THE TREE TO BE STAKED. STAKES SHALL BE REMOVED NO LATER THE END OF THE FIRST GROWING SEASON AFTER PLANTING.
TREES NORMALLY DO NOT NEED TO BE STAKED AND STAKING CAN BE HARMFUL TO THE TREE. STAKING SHOULD BE DONE ONLY WITH THE APPROVAL OF THE LANDSCAPE ARCHITECT IF IT IS EXPECTED THAT THE TREE WILL NOT BE ABLE TO SUPPORT ITSELF. THE FOLLOWING ARE REASONS WHY TREES DO NOT REMAIN STRAIGHT:
o TREES WITH POOR-QUALITY ROOT BALLS OR ROOT BALLS THAT HAVE BEEN CRACKED OR DAMAGED. REJECT RATHER THAN STAKE.
o TREES THAT HAVE GROWN TOO CLOSE TOGETHER IN THE NURSERY, RESULTING IN WEAK TRUNKS. REJECT RATHER THAN STAKE.
o PLANTING PROCEDURES THAT DO NOT ADEQUATELY TAMP SOILS AROUND THE ROOT BALL. CORRECT THE PLANTING PROCEDURE.
o ROOT BALLS PLACED ON SOFT SOIL. TAMP SOILS UNDER ROOT BALL PRIOR TO PLANTING.
o ROOT BALLS WITH VERY SANDY SOIL OR VERY WET CLAY SOIL. STAKING ADVISABLE.
o TREES LOCATED IN A PLACE OF EXTREMELY WINDY CONDITIONS. STAKING ADVISABLE.

NOTES:
1. PLEASE REFER TO INTRODUCTION AND USE CRITERIA PRIOR TO USING THIS DETAIL.
TREE STAKING DETAIL - TREES 75MM (3 IN.) CALIPER OR LESS

REVISIONS	
INITIAL	DATE
JPH	MARCH 2007

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CHAMPAIGN, IL 61821
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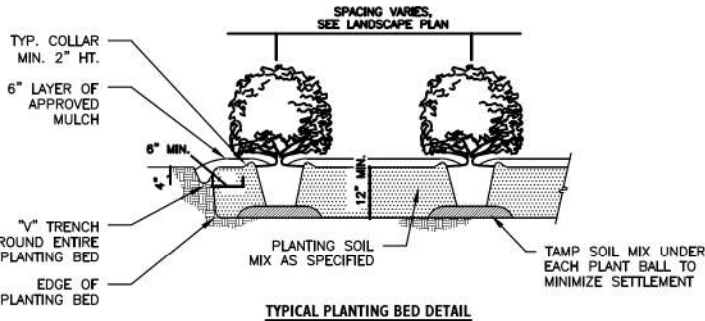


APPLY THE PLASTIC SHEETING LOOSELY AROUND THE TRUNK TO LEAVE A 12 MM (0.5 IN.) GAP BETWEEN THE TRUNK AND THE SHEETING.
OPTION 1
OPTION 2
TREE WRAP SHOULD BE INSTALLED AT TIME OF PLANTING AND BE REMOVED WHEN DIRECTED BY THE LANDSCAPE ARCHITECT, BUT NO LATER THAN 12 MONTHS AFTER PLANTING.
TREES WHOSE NORTH ORIENTATION IS NOT CHANGED FROM THE NURSERY DO NOT NEED TO BE WRAPPED EXCEPT TREES WITH VERY THIN BARK, SUCH AS RED MAPLE, SHOULD BE WRAPPED IF APPROVED BY THE LANDSCAPE ARCHITECT.

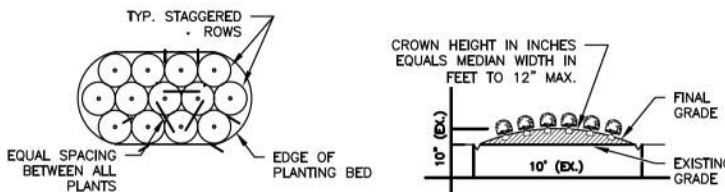
NOTES:
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REVISIONS	
INITIAL	DATE
JPH	MARCH 2007

TREE WRAPPING DETAIL



TYPICAL PLANTING BED DETAIL

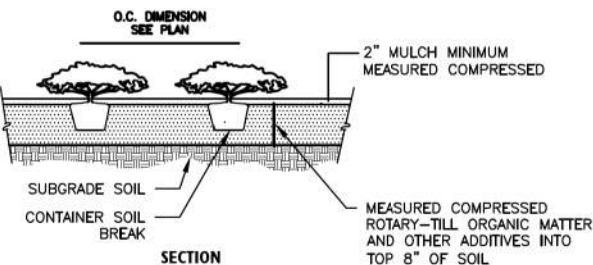


TYPICAL PLANTING BED PLAN

TYPICAL BED CROWNING

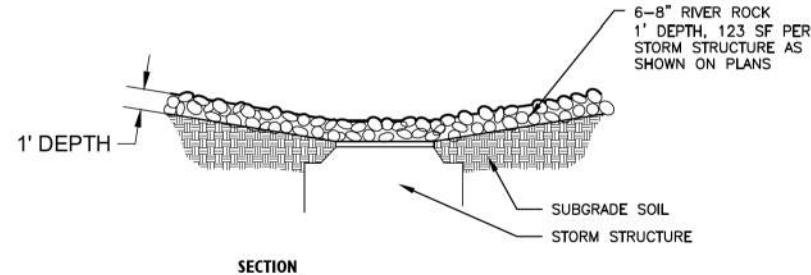
NOTES:
1. SCARIFY ROOT MASS OF CONTAINERIZED PLANT MATERIAL.
2. INSTALL CONTAINERIZED PLANTS AT FINISHED GRADE.
3. TAMP PLANTING MIX FIRMLY AS PIT IS FILLED AROUND EACH PLANT BALL.
4. OMIT COLLAR AROUND EACH SHRUB WHEN IRRIGATION SYSTEM IS PRESENT.
5. SOAK EACH PLANT BALL AND PIT IMMEDIATELY AFTER INSTALLATION.
6. SEE SPECIFICATIONS FOR FURTHER SOIL AND PLANTING REQUIREMENTS.

2 Shrub Planting Detail
N.T.S.



SECTION

3 Groundcover Planting Detail
N.T.S.



SECTION

4 Storm/ River Rock Detail
N.T.S.



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DRAWN	- T.BLANK	CHECKED	- J.MAJEWSKI	REVISED	-
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PLOT DATE	= 3/25/2025				



Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

LANDSCAPING PLANS
DETAILS

SCALE: N/A SHEET 14 OF 14 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	309
CONTRACT NO. 87846				

ILLINOIS FED. AID PROJECT

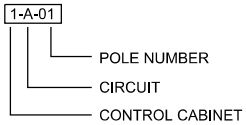
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SUMMARY OF QUANTITIES

PAY ITEM	DESCRIPTION	UNIT	TOTAL
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
81028320	UNDERGROUND CONDUIT, PVC, 1" DIA	FOOT	61
81028770	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA.	FOOT	551
81603025	UNIT DUCT, 600V, 2-1/C NO.4, 1/C NO.4 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	90
81603040	UNIT DUCT, 600V, 2-1/C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	6533
81702110	ELECTRICAL CABLE IN CONDUIT, 600V(XLP-TYPE USE) 1/C NO.10	FOOT	183
82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	276
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	1
89502300	REMOVE ELECTRICAL CABLE FROM CONDUIT	FOOT	300
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
X0325922	CELLURLAR MODEM	EACH	1
X1400211	LIGHT POLE, SPECIAL, 30'	EACH	45
X1400215	REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
X1400238	LUMINAIRE, LED, SPECIAL	EACH	45
X8300345	CAMERA POLE, 45 FT	EACH	1
XP000212	CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	1

LIGHTING LEGEND

-  PROPOSED LIGHTING CONTROLLER (SIZE AS NOTED)
-  PROPOSED CCTV CAMERA
-  PROPOSED 30' SQUARE ALUMINUM POLE (DECORATIVE TYPE A LIGHT POLE) WITH LUMINAIRE, LED, SPECIAL
-  17'-6" POLE, HAPCO ROUND TAPERED ALUMINIUM WITH CREE OSQ SERIES, LED AREA LUMINAIRE (POLE TO BE REMOVED AND RELOCATED TO PROPOSED LOCATION)
-  EXISTING LED AREA POLE AND LUMINAIRE
-  UNIT DUCT, 600V, 2-1/C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE UNLESS OTHERWISE NOTED
-  UNIT DUCT, 600V, 2-1/C NO.4, 1/C NO.4 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
-  2-1/C# 10 & 1-1/C#10 GROUND WIRE 600 VOLTS (XLP-TYPE USE) IN 1" DIA POLYETHYLENE CONDUIT
-  UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA.



LIGHT POLE DESIGNATION

ROADWAY LIGHTING GENERAL NOTES

- ELECTRICAL EQUIPMENT, RACEWAY, ETC. ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. CONTRACTOR SHALL INSTALL ELECTRICAL EQUIPMENT, RACEWAYS, ETC. WHERE DIRECTED BY THE ENGINEER IN ORDER TO BEST SUIT JOB CONDITIONS.
- ALL CONDUIT CASINGS FOR CROSSING ROADWAYS SHALL BE GALVANIZED STEEL, UNLESS OTHERWISE NOTED.
- NO POLES SHALL BE INSTALLED IN THE FLOWLINE OF A DITCH. POLE SETBACK TO BE ADJUSTED IF NECESSARY AS DIRECTED BY THE ENGINEER.

ROADWAY LIGHTING CONSTRUCTION NOTES

- ALL IN TRENCH RUNS WILL BE UNIT DUCT, UNLESS OTHERWISE NOTED.
- ALL POLE STANDARD OFFSETS SHOWN ARE FROM THE CENTER LINE.
- ALL LIGHT POLES AND APPURTENANCES SHALL BE POWDER COAT PAINTED BRONZE. HORIZONTAL MOUNT LUMINAIRES SHALL BE POWDER COAT PAINTED BRONZE.



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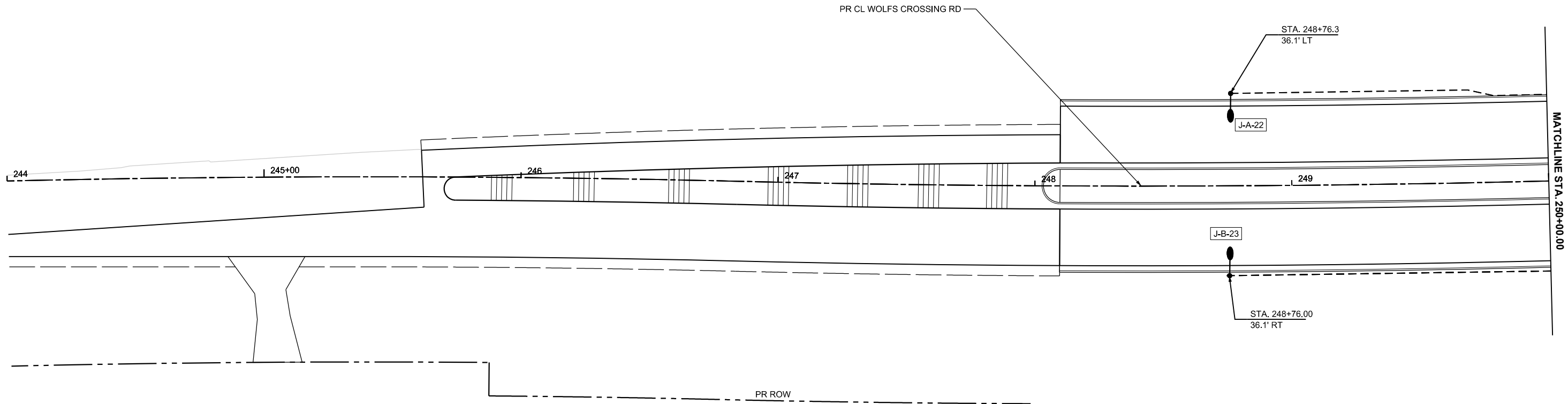
Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

ROADWAY LIGHTING GENERAL NOTES, SYMBOLS, AND LEGEND

SYMBOLS & LEGEND

SCALE: N/A SHEET 1 OF 16 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	310
		CONTRACT NO. 87846		
		ILLINOIS	FED. AID PROJECT	



LIGHTING LEGEND

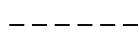
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PROPOSED LIGHTING CONTROLLER (SIZE AS NOTED)
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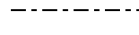
PROPOSED CCTV CAMERA
- 

PROPOSED 30' SQUARE ALUMINUM POLE (DECORATIVE TYPE A LIGHT POLE) WITH LUMINAIRE, LED, SPECIAL
- 

17'-6" POLE, HAPCO ROUND TAPERED ALUMINIUM WITH CREE OSQ SERIES, LED AREA LUMINAIRE (POLE TO BE REMOVED AND RELOCATED TO PROPOSED LOCATION)
- 

EXISTING LED AREA POLE AND LUMINAIRE
- 

UNIT DUCT, 600V, 2-1/C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
- 

UNIT DUCT, 600V, 2-1/C NO.4, 1/C NO.4 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
- 

2-1/C#10 & 1-1/C#10 GROUND WIRE 600 VOLTS (XLP-TYPE USE) IN 1" DIA POLYETHYLENE CONDUIT
- 

UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA.

MODEL: WolfCrossing - Plan 2 (Sheet)
FILE NAME: c:\pwworkdir\benesch_projects\projects\0181960\0387846-shr-Prop-WolfCrossing-Lighting.dgn



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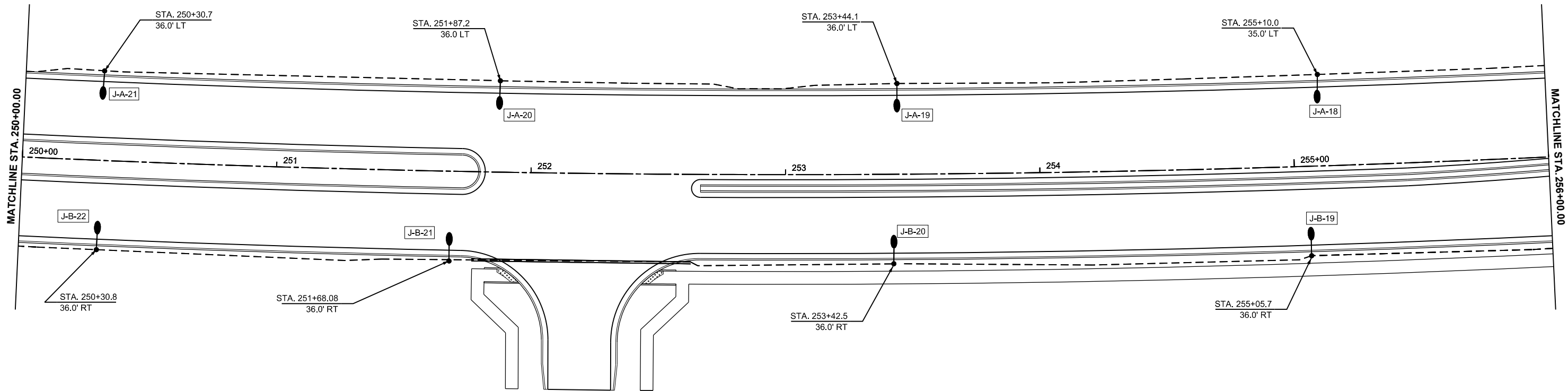


Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

LIGHTING PLANS
WOLFS CROSSING RD

SCALE: 1"=20' SHEET 2 OF 16 SHEETS STA. 244+00.00 TO STA. 250+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	311
		CONTRACT NO. 87846		
		ILLINOIS	FED. AID PROJECT	



LIGHTING LEGEND



PROPOSED LIGHTING CONTROLLER (SIZE AS NOTED)



PROPOSED CCTV CAMERA



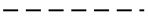
PROPOSED 30' SQUARE ALUMINUM POLE (DECORATIVE TYPE A LIGHT POLE) WITH LUMINAIRE, LED, SPECIAL



17'-6" POLE, HAPCO ROUND TAPERED ALUMINUM WITH CREE OSQ SERIES, LED AREA LUMINAIRE (POLE TO BE REMOVED AND RELOCATED TO PROPOSED LOCATION)



EXISTING LED AREA POLE AND LUMINAIRE



UNIT DUCT, 600V, 2-1/C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE



UNIT DUCT, 600V, 2-1/C NO.4, 1/C NO.4 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE



2-1/C#10 & 1-1/C#10 GROUND WIRE 600 VOLTS (XLP-TYPE USE) IN 1" DIA POLYETHYLENE CONDUIT



UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA.

MODEL: WolfCrossing - Plan 3 (Sheet)
FILE NAME: c:\pwworkin\benesch\projects\0181960\0387846-shr-Prop-WolfCrossing-Lighting.dgn



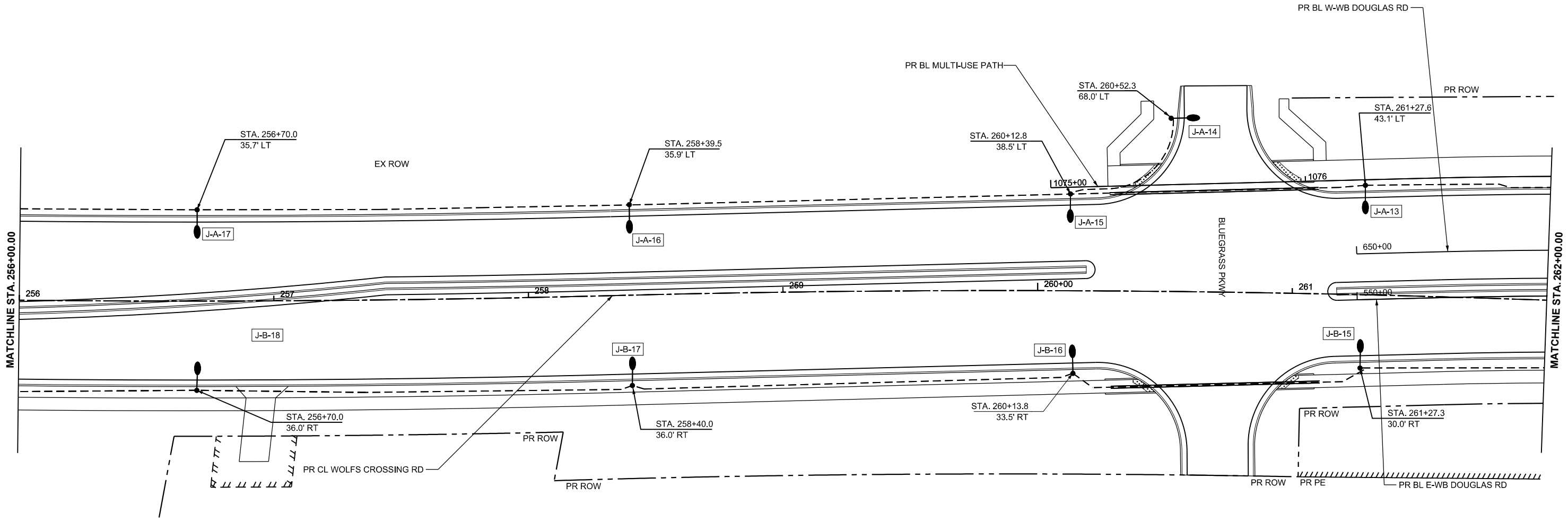
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PLOT DATE	= 3/25/2025	DATE -	07/04/2025	REVISED -	



Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

LIGHTING PLANS			
WOLFS CROSSING RD			
SCALE: 1"=20'	SHEET 3	OF 16 SHEETS	STA. 250+00.00 TO STA. 256+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	312
		CONTRACT NO. 87846		
		ILLINOIS	FED. AID PROJECT	



LIGHTING LEGEND

- | | | | |
|--|--|--|--|
| | PROPOSED LIGHTING CONTROLLER (SIZE AS NOTED) | | UNIT DUCT, 600V, 2-1/C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE |
| | PROPOSED CCTV CAMERA | | UNIT DUCT, 600V, 2-1/C NO.4, 1/C NO.4 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE |
| | PROPOSED 30' SQUARE ALUMINUM POLE (DECORATIVE TYPE A LIGHT POLE) WITH LUMINAIRE, LED, SPECIAL | | 2-1/C#10 & 1-1/C#10 GROUND WIRE 600 VOLTS (XLP-TYPE USE) IN 1" DIA POLYETHYLENE CONDUIT |
| | 17'-6" POLE, HAPCO ROUND TAPERED ALUMINIUM WITH CREE OSQ SERIES, LED AREA LUMINAIRE (POLE TO BE REMOVED AND RELOCATED TO PROPOSED LOCATION) | | UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA. |
| | EXISTING LED AREA POLE AND LUMINAIRE | | |

MODEL: WolfCrossing - Plan 4 (Sheet)
FILE NAME: c:\pwworkin\benesch_projects\projects\0181960\0387846-shr-Prop-WolfCrossing-Lighting.dgn



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PLOT DATE	= 3/25/2025	DATE	- 07/04/2025	REVISION	-

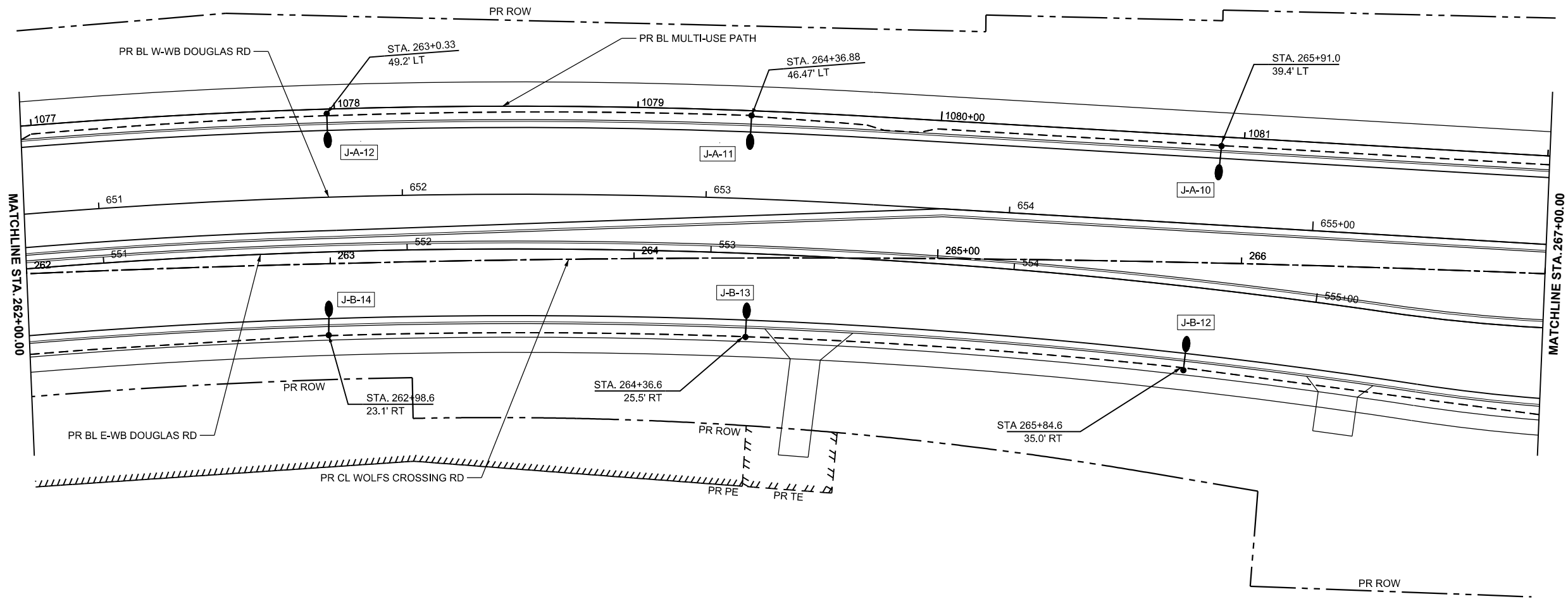


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**LIGHTING PLANS
WOLFS CROSSING RD**

SCALE: 1"=20' SHEET 4 OF 16 SHEETS STA. 256+00.00 TO STA. 262+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	313
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				



LIGHTING LEGEND

- | | | | |
|--|--|--|--|
| | PROPOSED LIGHTING CONTROLLER (SIZE AS NOTED) | | UNIT DUCT, 600V, 2-1/C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE |
| | PROPOSED CCTV CAMERA | | UNIT DUCT, 600V, 2-1/C NO.4, 1/C NO.4 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE |
| | PROPOSED 30' SQUARE ALUMINUM POLE (DECORATIVE TYPE A LIGHT POLE) WITH LUMINAIRE, LED, SPECIAL | | 2-1/C#10 & 1-1/C#10 GROUND WIRE 600 VOLTS (XLP-TYPE USE) IN 1" DIA POLYETHYLENE CONDUIT |
| | 17'-6" POLE, HAPCO ROUND TAPERED ALUMINIUM WITH CREE OSQ SERIES, LED AREA LUMINAIRE (POLE TO BE REMOVED AND RELOCATED TO PROPOSED LOCATION) | | UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA. |
| | EXISTING LED AREA POLE AND LUMINAIRE | | |

MODEL: WolfCrossing - Plan 5 (Sheet)
FILE NAME: c:\pwworkin\benesch_projects\projects\0181960\0387846-shr-Prop-WolfCrossing-Lighting.dgn



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PLOT SCALE	= \$SCALE\$	CHECKED	- GHT	REVISED	-
PLOT DATE	= 3/25/2025	DATE	- 07/04/2025	REVISED	-



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100 Parkers Mill
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**LIGHTING PLANS
WOLFS CROSSING RD**

SCALE: 1"=20' SHEET 5 OF 16 SHEETS STA. 262+00.00 TO STA. 267+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	314
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

1. LIGHTING CONTROLLER SHALL INCLUDE 1-20A FUSE TO SUPPLY POWER TO THE CAMERA CABINET AND 1-20A FUSE TO SUPPLY POWER TO THE IRRIGATION CONTROLLER. BOTH FUSES SHALL BYPASS THE PHOTOCELL.



===== UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA.



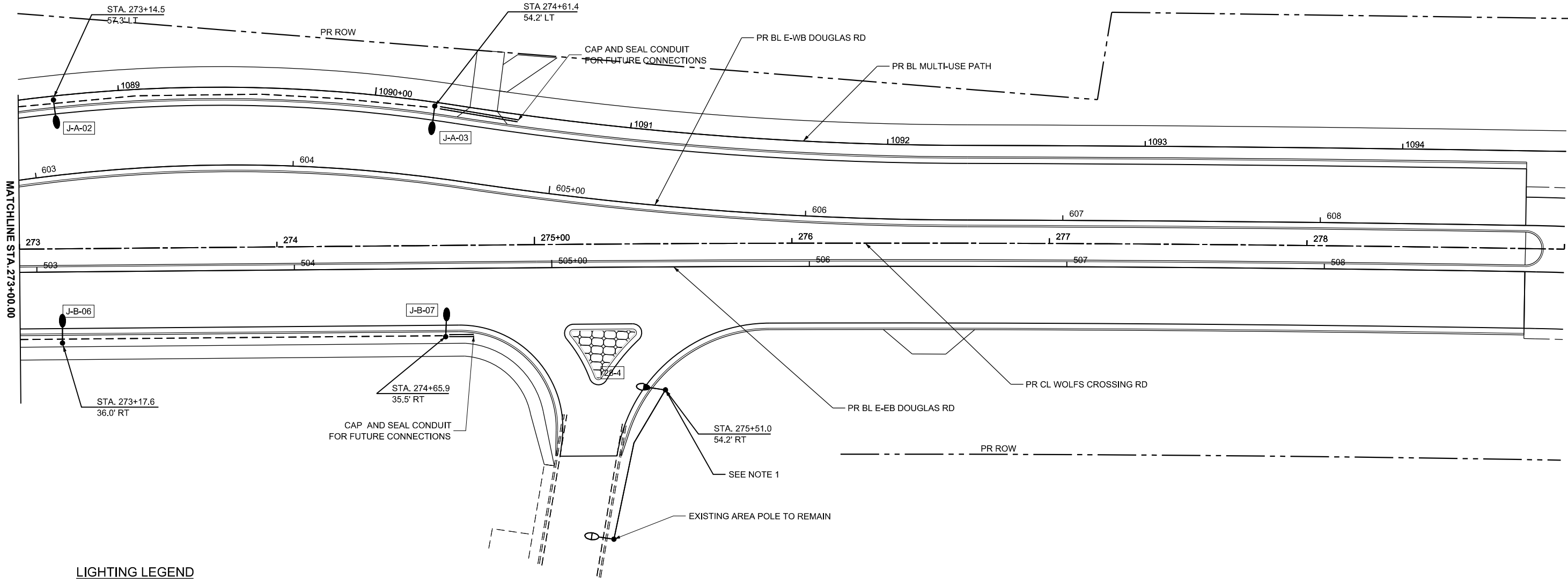
Village of
Oswego

Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

SCALE: 1"=20'	SHEET 6	OF 16	SHEETS	STA. 267+00.00	TO STA. 273+00.00
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	315
		CONTRACT NO. 87846		
		ILLINOIS	FED. AID PROJECT	

NOTES:
1. MAIN FEEDER FOR LIGHT POLE IS FROM THE ELECTRICAL PANEL FROM THE CLUB HOUSE.
2. EXISTING CABLE SHALL BE REMOVED AND THE EXISTING CONDUIT SHALL BE ABANDONED IN PLACE.



LIGHTING LEGEND

- PROPOSED LIGHTING CONTROLLER (SIZE AS NOTED)
- PROPOSED CCTV CAMERA
- PROPOSED 30' SQUARE ALUMINUM POLE (DECORATIVE TYPE A LIGHT POLE) WITH LUMINAIRE, LED, SPECIAL
- 17'-6" POLE, HAPCO ROUND TAPERED ALUMINIUM WITH CREE OSQ SERIES, LED AREA LUMINAIRE (POLE TO BE REMOVED AND RELOCATED TO PROPOSED LOCATION)
- EXISTING LED AREA POLE AND LUMINAIRE
- UNIT DUCT, 600V, 2-1/C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
- UNIT DUCT, 600V, 2-1/C NO.4, 1/C NO.4 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
- 2-1/C#10 & 1-1/C#10 GROUND WIRE 600 VOLTS (XLP-TYPE USE) IN 1" DIA POLYETHYLENE CONDUIT
- UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA.

MODEL: WolfCrossing - Plan 7 (Sheet)
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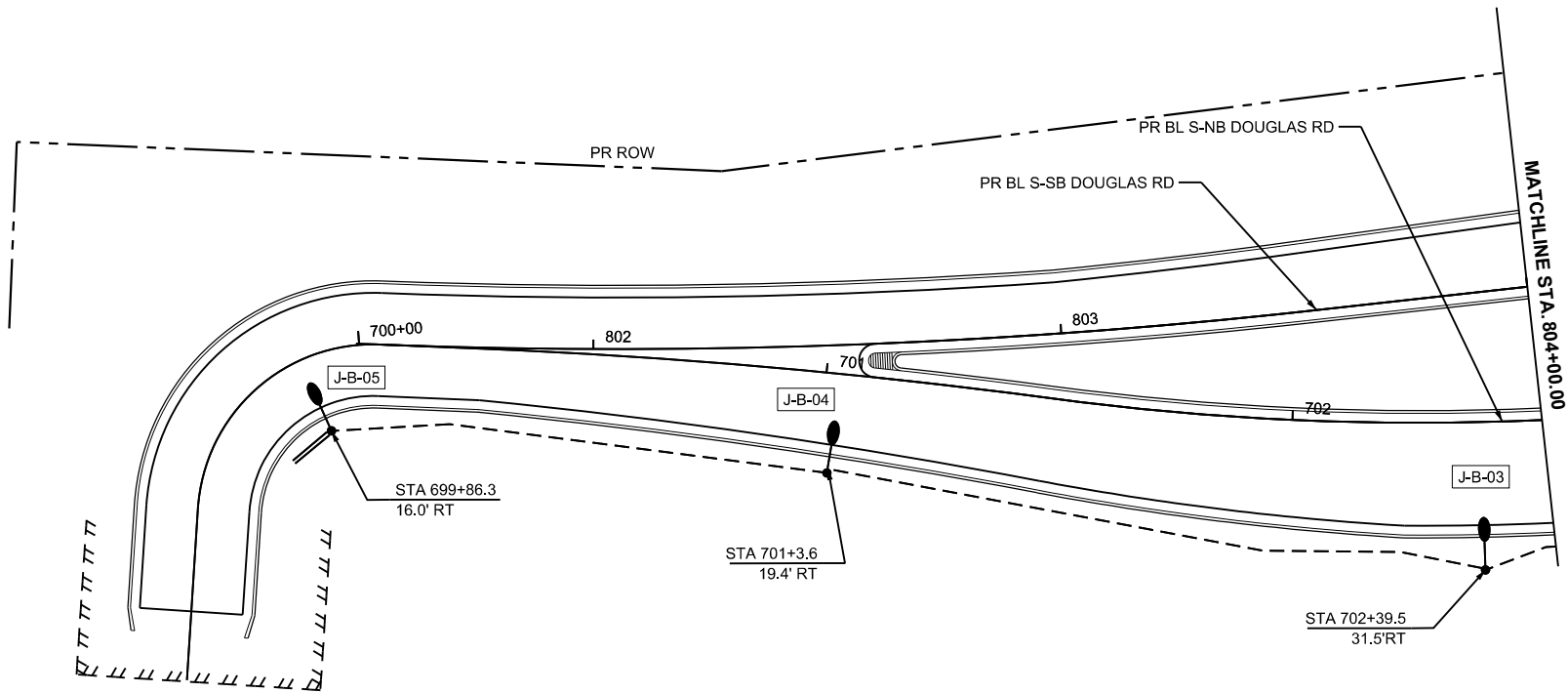


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100 Parkers Mill
Oswego, Illinois 60543
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LIGHTING PLANS
WOLFS CROSSING RD

SCALE: 1"=20' SHEET 7 OF 16 SHEETS STA. 273+00.00 TO STA. 279+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	316
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				



LIGHTING LEGEND

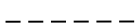
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PROPOSED LIGHTING CONTROLLER (SIZE AS NOTED)
- 

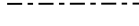
PROPOSED CCTV CAMERA
- 

PROPOSED 30' SQUARE ALUMINUM POLE (DECORATIVE TYPE A LIGHT POLE) WITH LUMINAIRE, LED, SPECIAL
- 

17'-6" POLE, HAPCO ROUND TAPERED ALUMINIUM WITH CREE OSQ SERIES, LED AREA LUMINAIRE (POLE TO BE REMOVED AND RELOCATED TO PROPOSED LOCATION)
- 

EXISTING LED AREA POLE AND LUMINAIRE
- 

UNIT DUCT, 600V, 2-1/C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
- 

UNIT DUCT, 600V, 2-1/C NO.4, 1/C NO.4 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
- 

2-1/C#10 & 1-1/C#10 GROUND WIRE 600 VOLTS (XLP-TYPE USE) IN 1" DIA POLYETHYLENE CONDUIT
- 

UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA.

MODEL: Douglas - Plan 1 [Sheet]
FILE NAME: c:\pwworkin\benesch\projects\0181960\0387846-shr-Prop-Douglas-Lighting.dgn



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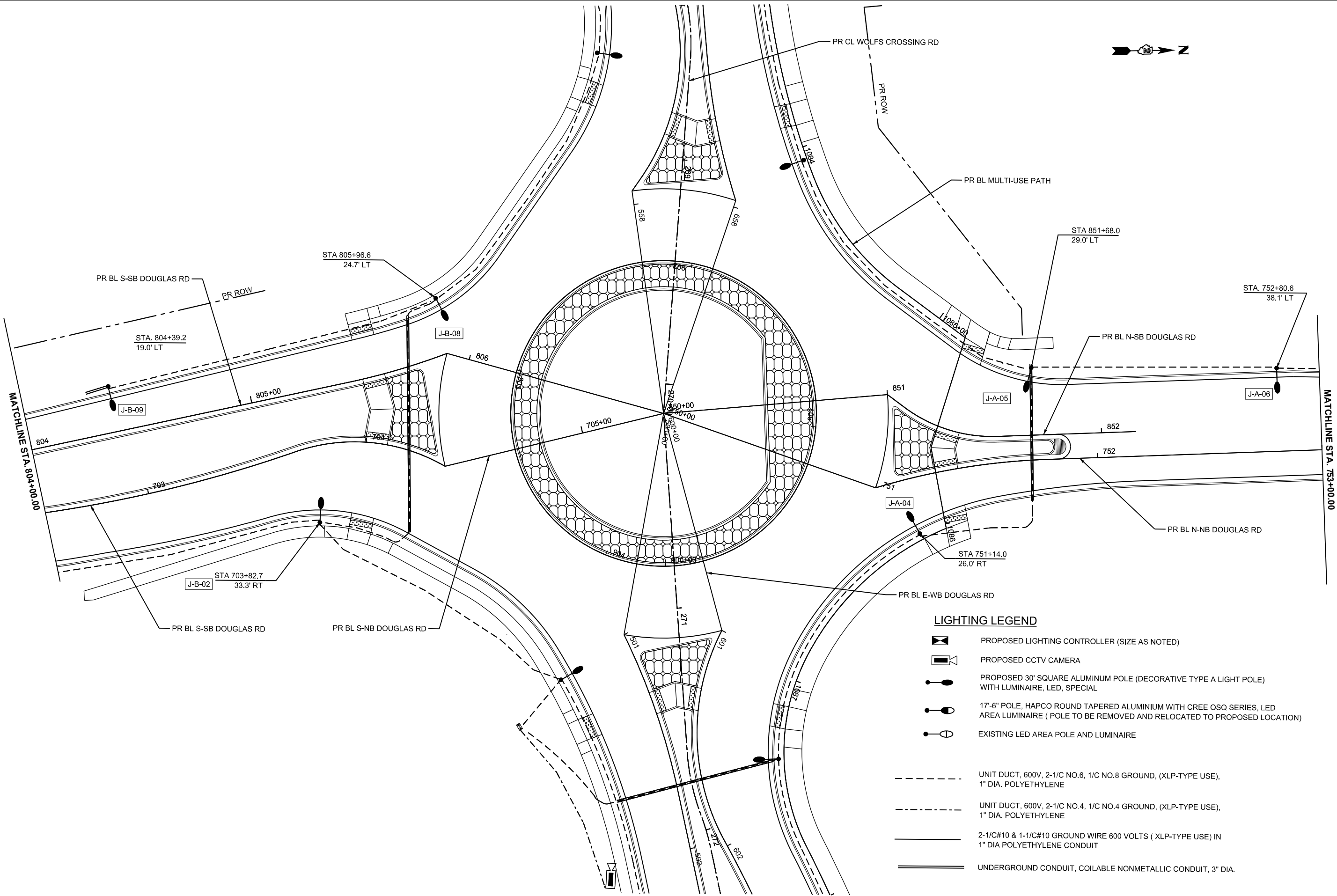


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LIGHTING PLANS			
DOUGLAS RD			
SCALE: 1"=20'	SHEET 8	OF 16 SHEETS	STA. 798+50.00 TO STA. 804+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	317
		CONTRACT NO. 87846		
		ILLINOIS FED. AID PROJECT		

MODEL: Douglas - Plan 2 [Sheet]
FILE NAME: c:\pwworkin\benesch_projects\projects\018196\018196\018196-01-Prop-Douglas-Lighting.dgn



LIGHTING LEGEND

- PROPOSED LIGHTING CONTROLLER (SIZE AS NOTED)
- PROPOSED CCTV CAMERA
- PROPOSED 30' SQUARE ALUMINUM POLE (DECORATIVE TYPE A LIGHT POLE) WITH LUMINAIRE, LED, SPECIAL
- 17'-6" POLE, HAPCO ROUND TAPERED ALUMINIUM WITH CREE OSQ SERIES, LED AREA LUMINAIRE (POLE TO BE REMOVED AND RELOCATED TO PROPOSED LOCATION)
- EXISTING LED AREA POLE AND LUMINAIRE
- UNIT DUCT, 600V, 2-1/C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
- UNIT DUCT, 600V, 2-1/C NO.4, 1/C NO.4 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
- 2-1/C#10 & 1-1/C#10 GROUND WIRE 600 VOLTS (XLP-TYPE USE) IN 1" DIA POLYETHYLENE CONDUIT
- UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA.

benesch
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35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10585.01

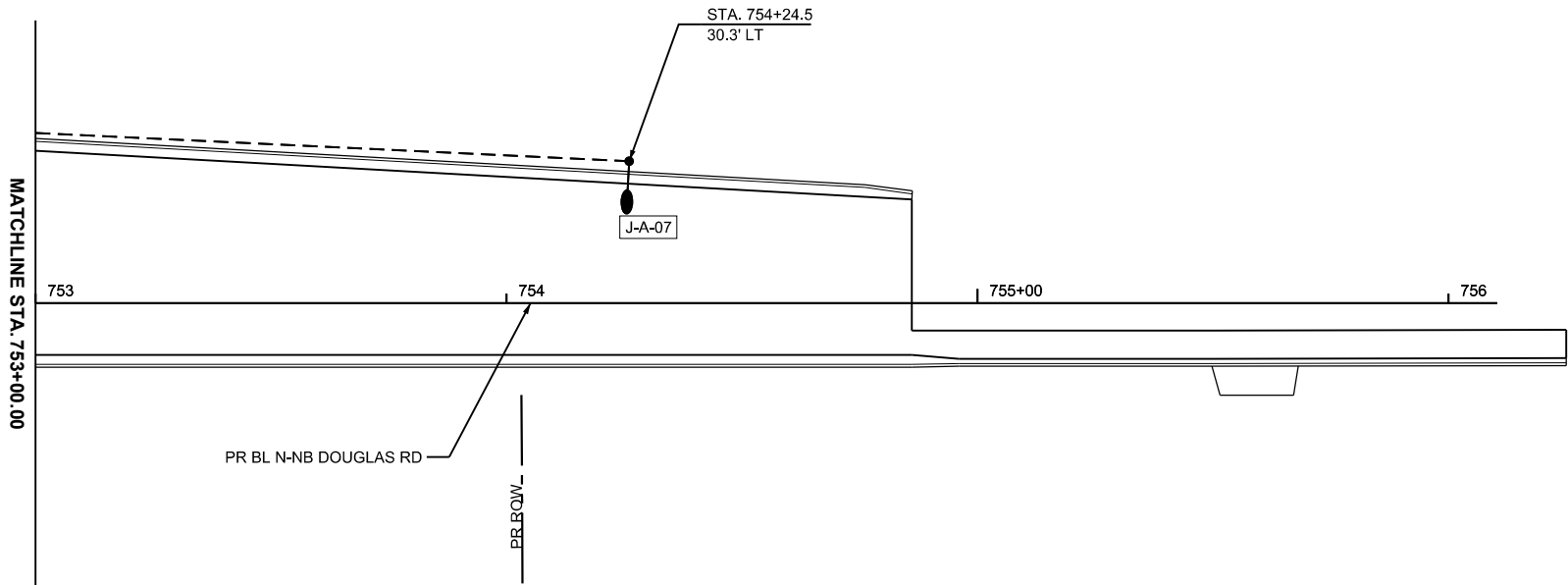
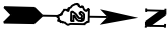
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LIGHTING PLANS
DOUGLAS RD

SCALE: 1"=20' SHEET 9 OF 16 SHEETS STA. 804+00.00 TO STA. 753+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	318
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				



LIGHTING LEGEND

-  PROPOSED LIGHTING CONTROLLER (SIZE AS NOTED)
-  PROPOSED CCTV CAMERA
-  PROPOSED 30' SQUARE ALUMINUM POLE (DECORATIVE TYPE A LIGHT POLE) WITH LUMINAIRE, LED, SPECIAL
-  17'-6" POLE, HAPCO ROUND TAPERED ALUMINIUM WITH CREE OSQ SERIES, LED AREA LUMINAIRE (POLE TO BE REMOVED AND RELOCATED TO PROPOSED LOCATION)
-  EXISTING LED AREA POLE AND LUMINAIRE
-  UNIT DUCT, 600V, 2-1/C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
-  UNIT DUCT, 600V, 2-1/C NO.4, 1/C NO.4 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
-  2-1/C#10 & 1-1/C#10 GROUND WIRE 600 VOLTS (XLP-TYPE USE) IN 1" DIA POLYETHYLENE CONDUIT
-  UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA.

MODEL: Douglas - Plan 3 [Sheet]
FILE NAME: c:\pwworkin\benesch_projects\projects\018196\018196-01-D387846-shr-Prop-Douglas-Lighting.dgn



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35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10585.01

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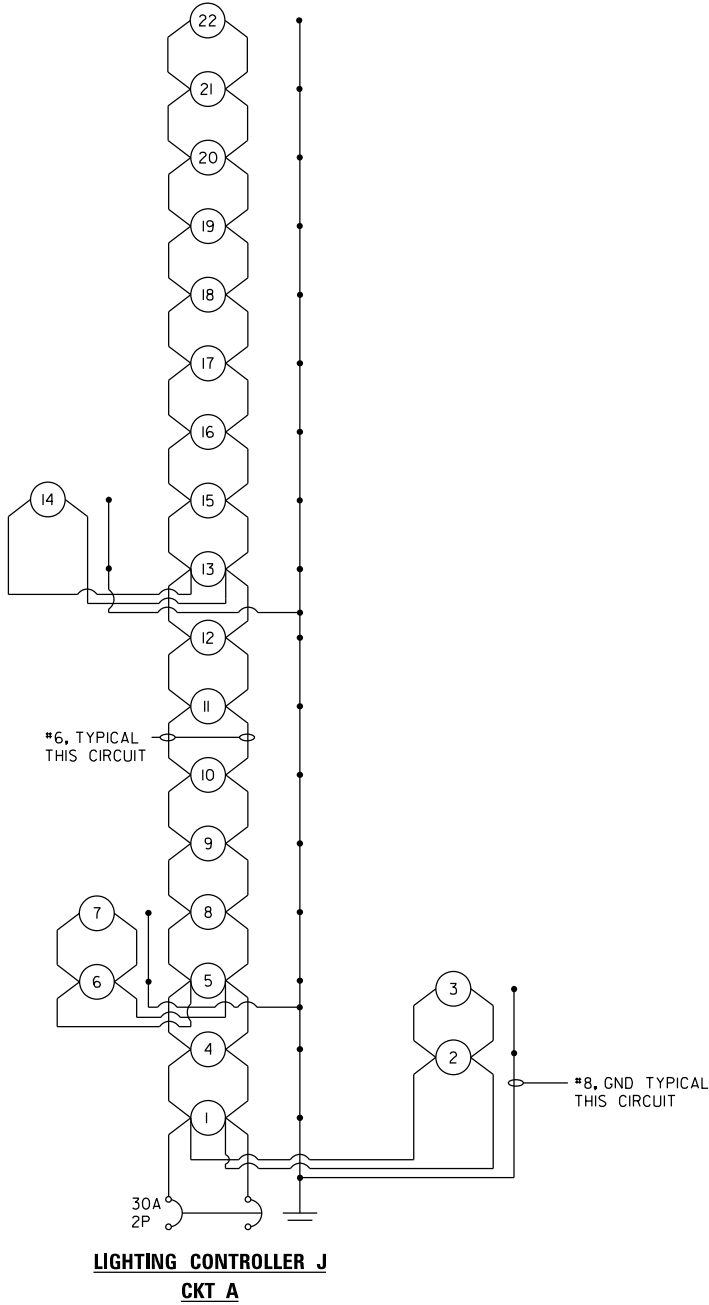
Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

LIGHTING PLANS			
DOUGLAS RD			
SCALE: 1"=20'	SHEET 10	OF 16 SHEETS	STA. 753+00.00 TO STA. 759+00.00

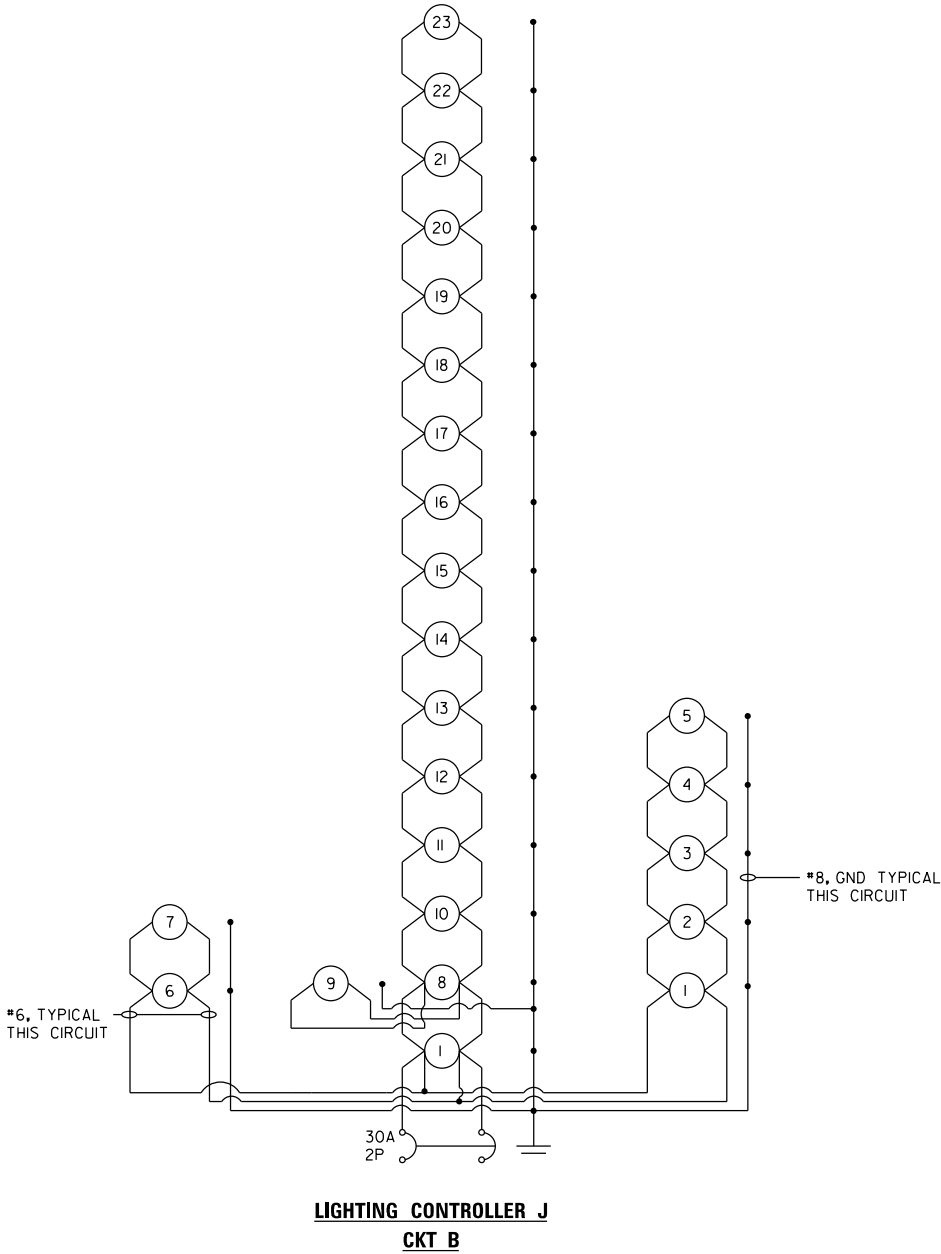
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1577	23-00052-02-PV	KENDALL	437	319
		CONTRACT NO. 87846		
		ILLINOIS	FED. AID PROJECT	

NOTE:
I. BOND EACH HANDHOLE FRAME TO EQUIPMENT GROUNDING CONDUCTOR.

- LEGEND**
- (X) LED ROADWAY LUMINAIRE
 - GROUND CONNECTION AT EACH POLE
 - ≡ GROUND ROD



LIGHTING CONTROLLER J 120/240V					
RED PHASE	WATTS	AMPS	BLACK PHASE	WATTS	AMPS
A	3806	15.84	B	3979	16.56
C	-	-	D	-	-
E	-	-	F	-	-
G	-	-	H	-	-
TOTAL	3806	15.84	TOTAL	3979	16.56



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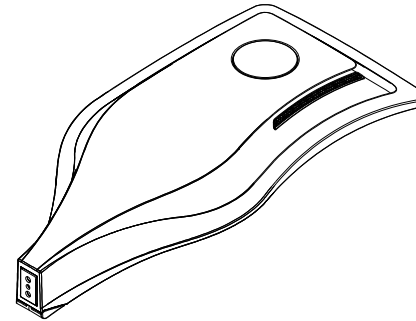
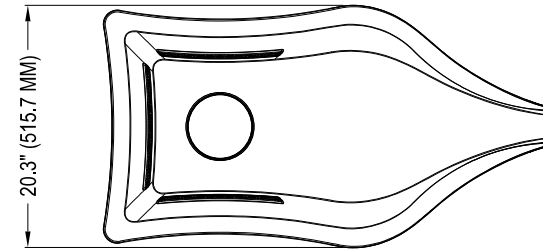


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Oswego, Illinois 60543
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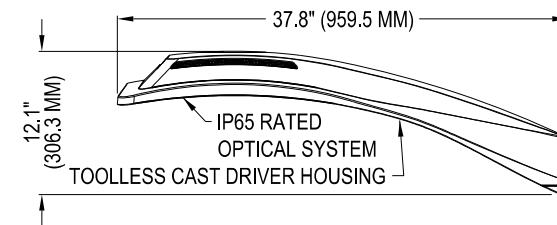
LIGHTING DETAILS
PROPOSED WIRING SCHEMATIC - CONTROLLER

SCALE: SHEET 11 OF 16 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	320
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

ISOMETRIC

TOP VIEW



SIDE VIEW

INTENTIONALLY LEFT BLANK

MODEL: Lighting Detail 2 (Sheet)
FILE NAME: c:\pwwork\benesch_projects\projects\0181960\0387446-sh-Detail2.dgn



Alfred Benesch & Company

35 W Wacker Drive, Suite 3300

Chicago, Illinois 60601

312-565-0450 Job No. 10585.01

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		DRAWN	-	TJRB	REVISED	-
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PLOT DATE	= 3/10/2025	DATE	-	07/04/2025	REVISED	-



Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
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LIGHTING DETAILS

SCALE: N/A SHEET 13 OF 16 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	322
CONTRACT NO. 87846				
		ILLINOIS	FED. AID PROJECT	

MODEL: 1 [Sheet]
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100 Parkers Mill
Oswego, Illinois 60543
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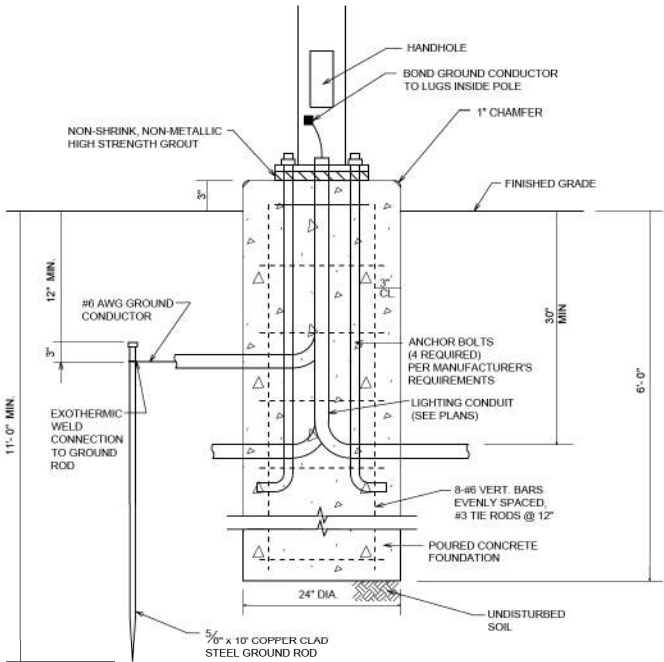
LIGHTING DETAILS
LIGHT POLE FOUNDATION, FIXTURE & WIRING DETAILS

SCALE: N/A SHEET 14 OF 16 SHEETS STA. TO STA.

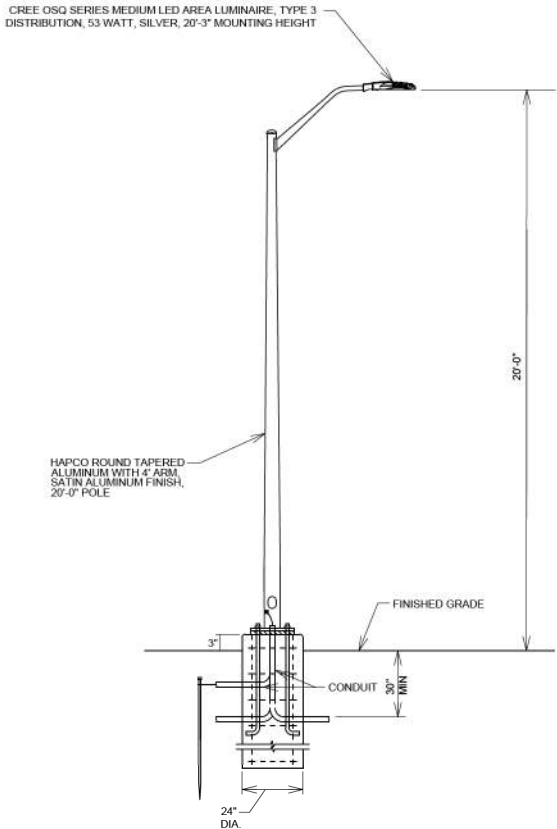
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1577	23-00052-02-PV	KENDALL	437	323
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

LIGHT POLE FOUNDATION NOTES

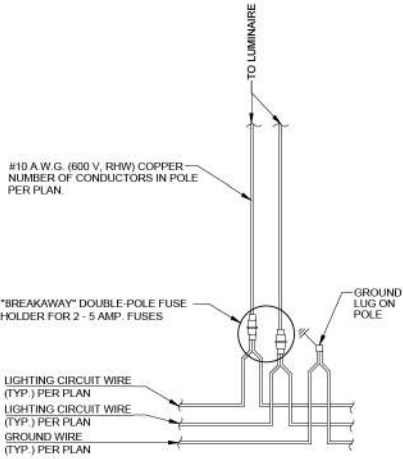
1. CONTRACTOR TO VERIFY ALL ELEVATIONS, DIMENSIONS, LOCATIONS AND PRODUCTS PRIOR TO STARTING CONSTRUCTION AND/OR ORDERING MATERIALS.
2. CONCRETE TO BE CLASS A, MIN. STRENGTH TO BE $f_c=3500$ PSI, WITH AIR CONTENT $6.5\% \pm 1.5\%$ BY VOLUME.
3. ALL REINFORCEMENT STEEL TO BE ASTM A615, GR 60.
4. ALL FOOTINGS MUST BE POURED ON UNDISTURBED SOIL WITH A MINIMUM SAFE BEARING CAPACITY OF 2000 P.S.F. WITH NO ORGANICS. THE FOUNDATION SHALL NOT BE POURED ON FROZEN GROUND.
5. FOUNDATION DETAIL IS BASED ON MEDIUM CLAY ($q_u=1.0$ TON/SQ FT.) SOIL CONDITIONS.
6. THE CONTRACTOR SHALL HAVE THE EXISTING SOIL CONDITIONS FIELD VERIFIED BY A QUALIFIED TESTING AGENCY AND SUBMIT DESIGN CALCULATIONS AND SHOP DRAWINGS IF EXISTING SOIL CONDITIONS ARE OUTSIDE THE PARAMETERS ASSUMED FOR THE TYPICAL FOUNDATION DESIGN.
7. ANCHOR BOLT SIZE, TYPE AND LOCATION SHALL BE TO MANUFACTURER'S SPECIFICATIONS.



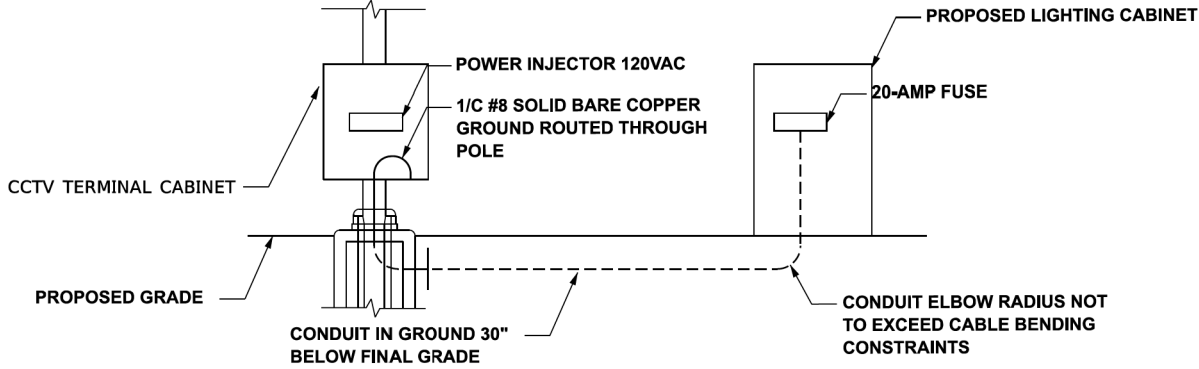
LIGHT POLE FOUNDATION DETAIL



LIGHT POLE AND FIXTURE DETAIL
(FOR BLACKBIRD ST.)



LIGHT POLE WIRING DETAIL



CAMERA, WIRELESS ANTENNA, AND RADIO INSTALLATION
ON CAMERA MOUNTING ASSEMBLY DETAIL

MODEL: Camera Detail [Sheet]
FILE NAME: c:\paword\benesch_projects\projects\181960\0387446-sh-Detail4.dgn



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35 W Wacker Drive, Suite 3300

Chicago, Illinois 60601

312-565-0450 Job No. 10585.01

USER NAME	= afaulkner	DESIGNED -	RS	REVISED -	
		DRAWN -	TJRB	REVISED -	
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PLOT DATE	= 3/10/2025	DATE -	07/04/2025	REVISED -	



Village of Oswego, IL

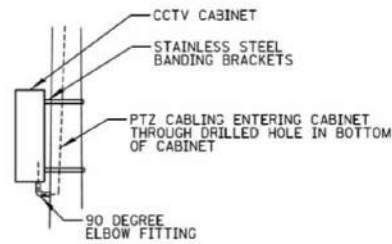
100 Parkers Mill

Oswego, Illinois 60543

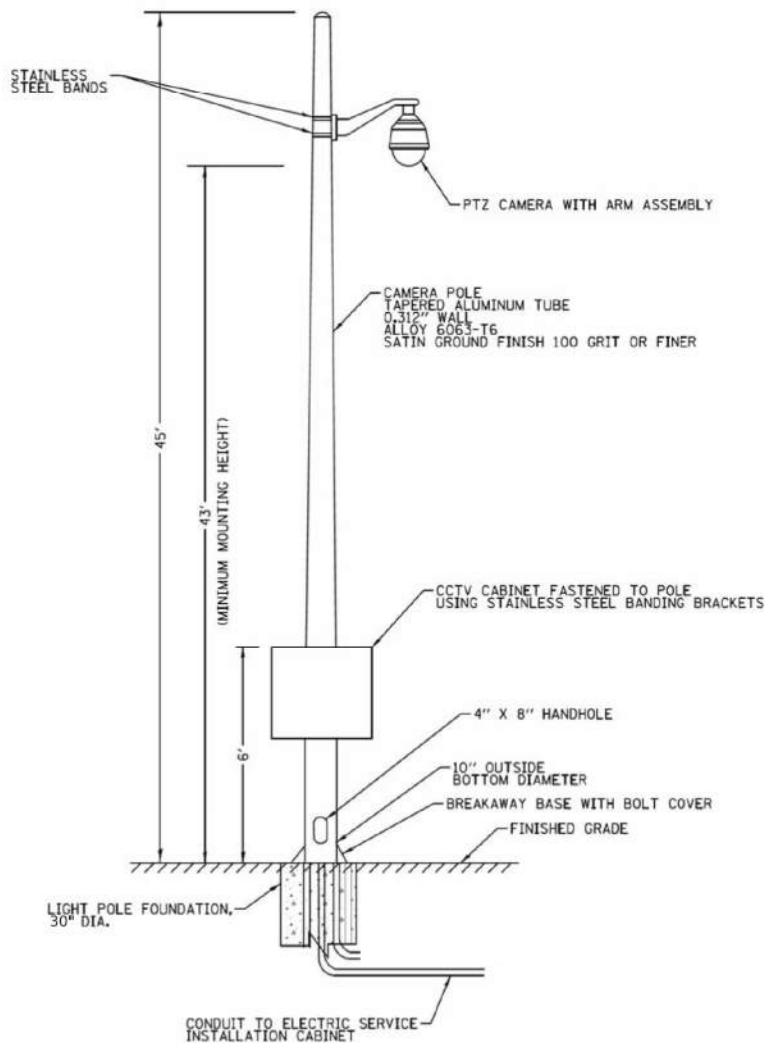
630-554-3618

LIGHTING DETAILS CAMERA POLE DETAILS			
SCALE: N/A	SHEET 15	OF 16 SHEETS	STA. TO STA.

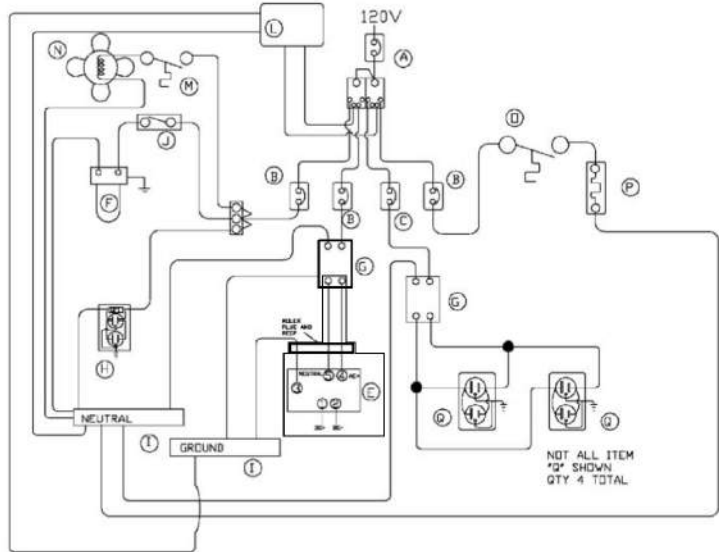
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	324
		CONTRACT NO. 87846		
		ILLINOIS	FED. AID PROJECT	



SIDE VIEW



CAMERA POLE, 45 FT
N.T.S.

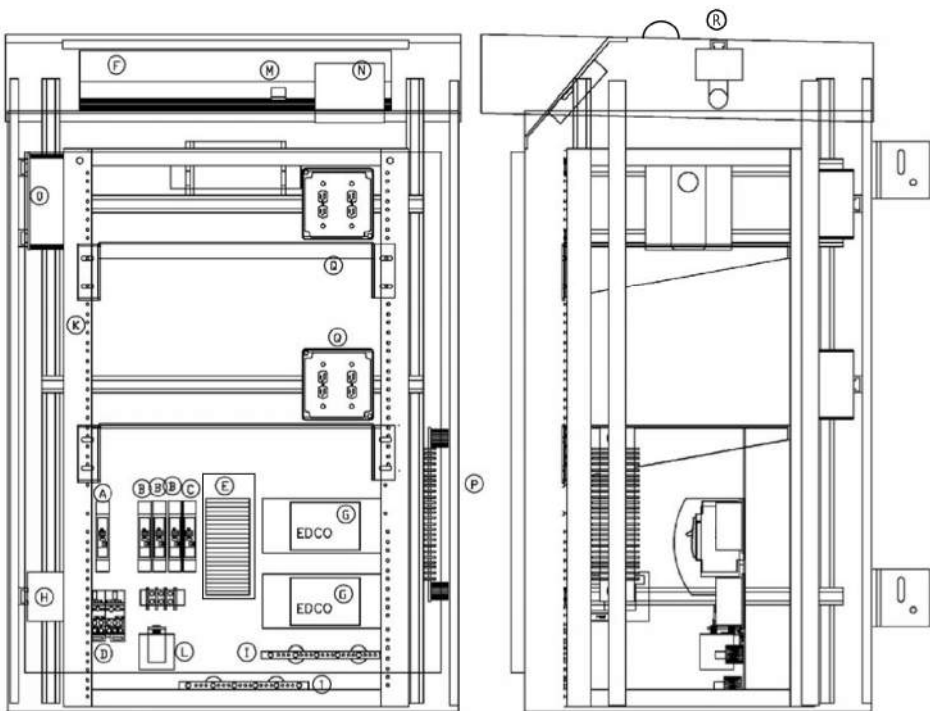


CCTV CABINET WIRING DIAGRAM

WIRING DIAGRAM LEGEND:		
ITEM	QTY	DESCRIPTION
A	1	CIRCUIT BREAKER, 1P 60A, 10 KAIC
B	3	CIRCUIT BREAKER, 1P 15A, 10 KAIC
C	1	CIRCUIT BREAKER, 1P 20A, 10 KAIC
D	2	POWER DISTRIBUTION BLOCK
E	1	CISCO 2955 SWITCH AC/DC POWER CONVERTER
F	1	LED LIGHT FIXTURE
G	2	SURGE PROTECTION DEVICE
H	1	20A GFCI RECEPTACLE
I	2	NEUTRAL BUS NB-120
J	1	MICRO DOOR SWITCH
K	1	19\" RACK WITH SHELVES AS NEEDED
L	1	SURGE PROTECTOR
M	1	FAN THERMOSTAT
N	1	SQUARE AXIAL FAN, 105 CFM FAN, 120V
O	1	HEATING THERMOSTAT
P	1	STRIP HEATER 200 WATT 120V
Q	4	15 AMP RECEPTACLE
R	1	CELLULAR ANTENNA

CABINET NOTES:

1. THE CABINET SHALL BE FABRICATED FROM 0.188 INCH ALUMINUM ALLOY 5052. ALL EXTERNAL HARDWARE SHALL BE STAINLESS STEEL. THE CABINET SHALL BE RATED NEMA 3R AND U.L. LISTED. THERE SHALL BE CONTINUOUS STEEL HINGE THAT BOLTS TO THE CABINET BODY AND 1/4-20 STUD ON THE CABINET BODY AND CABINET DOORS FOR GROUNDING.
2. THE DOORS SHALL BE GASKETED PER SPECIFICATIONS. THE DOOR HANDLE SHALL BE 3/4\" STAINLESS STEEL AND HAVE A PROVISION FOR PADLOCKING. THERE SHALL BE A CORBIN LOCK.
3. THE ENCLOSURE SHALL BE VENTED. SLOTTED SCREENED VENT HOLES WILL BE PROVIDED IN THE OVERHANG. THERE SHALL BE SCREENED AND FILTERED LOUVERS ON THE DOOR.
4. THE MOUNTING PANEL SHALL BE 1/4 INCH ALUMINUM MATERIAL. TWO XSK MOUNTING BRACKETS SHALL BE MOUNTED ON THE BACK WALL (INSIDE) OF THE CABINET. TWO POLE MOUNTING BRACKETS SHALL BE SUPPLIED WITH THE CABINET. EXPOSED BUS BARS SHALL BE INSULATED.
5. THE CABINET SHALL BE BRONZE.
6. CONNECTOR SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BUS AND GREEN FOR GROUND BUS.
7. POWER WIRING SHALL BE RATED RHM/RHW, 600V.
8. CONTROL WIRING SHALL BE #12 MTW.
9. ALL CONTROL WIRING SHALL BE STRANDED AND MARKED WITH BRADY MARKERS.
10. ALL SWITCHES AND CONTROLS SHALL BE IDENTIFIED BY MEANS OF TWO COLOR ENGRAVED NAMEPLATES.
11. THE CONTROL PANEL SHALL BE U.L. LISTED UNDER U.L. 508A.
12. CABINET SHALL HAVE RAILS ON BOTH SIDES AND ONE RAIL ON THE TOP FOR MOUNTING THE LIGHT FIXTURE.
13. THERE SHALL BE TWO ADJUSTABLE SHELVES IN THE CABINET.
14. THE CABINET SHALL HAVE A SUNSHIELD ON TOP.
15. TECHNOLOGY IS TYPICALLY REFRESHED FROM QUARTER TO QUARTER. CONTRACTOR NEEDS TO VERIFY (WITH VERKADA AND THE VILLAGE OF OSWEGO) BEFORE PURCHASING THAT THEY ARE PURCHASING THE MOST UP TO DATE EQUIPMENT. IF THIS STEP IS MISSED, ALL RESTOCKING FEES WILL BE THE CONTRACTOR'S RESPONSIBILITY.
16. FOR CELLULAR ACCESS, THE VILLAGE WILL ACTIVATE A LINE ON ONE OF THEIR CELLULAR PLANS. THE CONTRACTOR INSTALLING THE GATEWAY SHALL PROVIDE THE IMEI NUMBER FROM THE DEVICE, AND THE VILLAGE IT DEPARTMENT WILL PROVISION A SIM CARD FOR THE CELLULAR GATEWAY.
17. THE CAMERA REQUIRES A LICENSE TO OPERATE. THE VILLAGE REQUIRES THE 10-YEAR LICENSE, WHICH SHALL BE INCLUDED IN THE COST OF *CLOSED CIRCUIT TELEVISION DOME CAMERA, HD.*



CCTV CABINET DETAIL

MODEL: CCTV Detail [Sheet]
FILE NAME: c:\pwworkdir\benesch_projects\projects\01819601\0387846-sh-detail-5.dgn

Bench Mark: Square cut on end of block wall located at southeast corner of Southbury Blvd. and Wolfs Crossing Road, El. 660.83.

Existing Structure: The structure is a 4'x4' reinforced concrete single box culvert. The culvert has a length of approximately 33'-8". Existing structure to be removed.

Traffic Control: The culvert replacement will be performed under staged construction. Traffic will remain open throughout construction.

No Salvage.

WATERWAY INFORMATION

Drainage Area = 2.20 sq. mi. Low Grade Elev. 658.31 @ Sta. 248+41									
Flood	Freq. Yr.	Q C.F.S.	Opening Ft ² Exist.	Prop.	Nat. H.W.E.	Head - Ft. Exist.	Prop.	Headwater El. Exist.	Prop.
Design	10	227.9	14.6	28.3	653.58	3.0	0.0	656.6	653.6
Base	100	530.5	16.0	50.0	655.33	1.7	1.3	657.0	656.6
Overtopping									
Max. Calc.	500	785.0	16.0	50.0	655.30	1.9	2.8	657.2	658.1

DESIGN SPECIFICATIONS
2020 AASHTO LRFD Bridge Design Specifications,
Customary U.S. Units, 9th Edition

LOADING HL-93
Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES
PRECAST UNITS

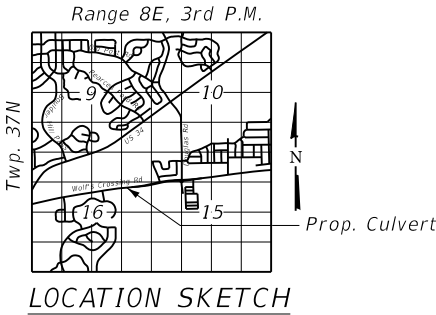
f'c = 5,000 psi
fy = 65,000 psi (Welded Wire Reinforcement)

PR. CURVE & WOLFS
CROSSING RD.

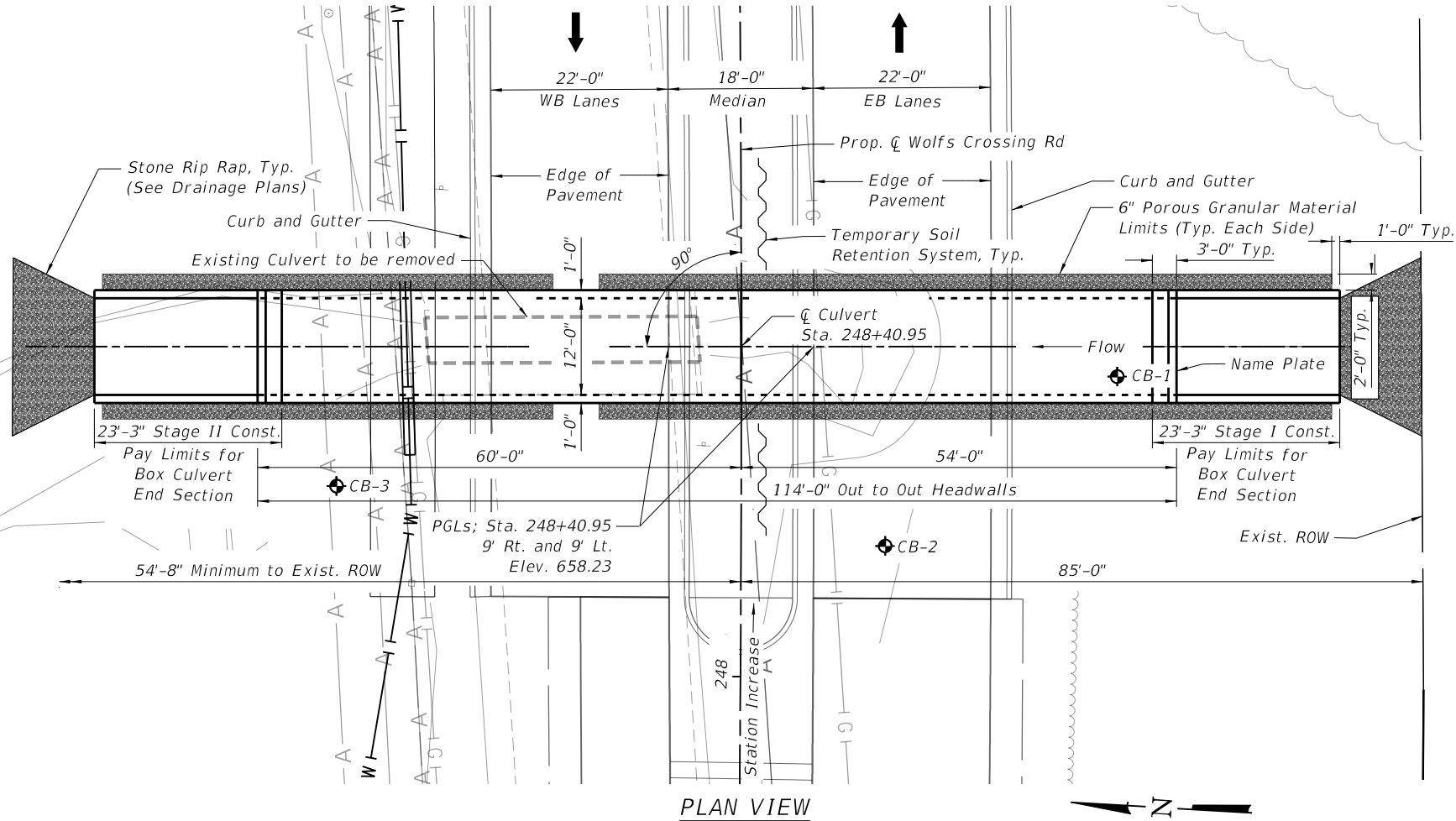
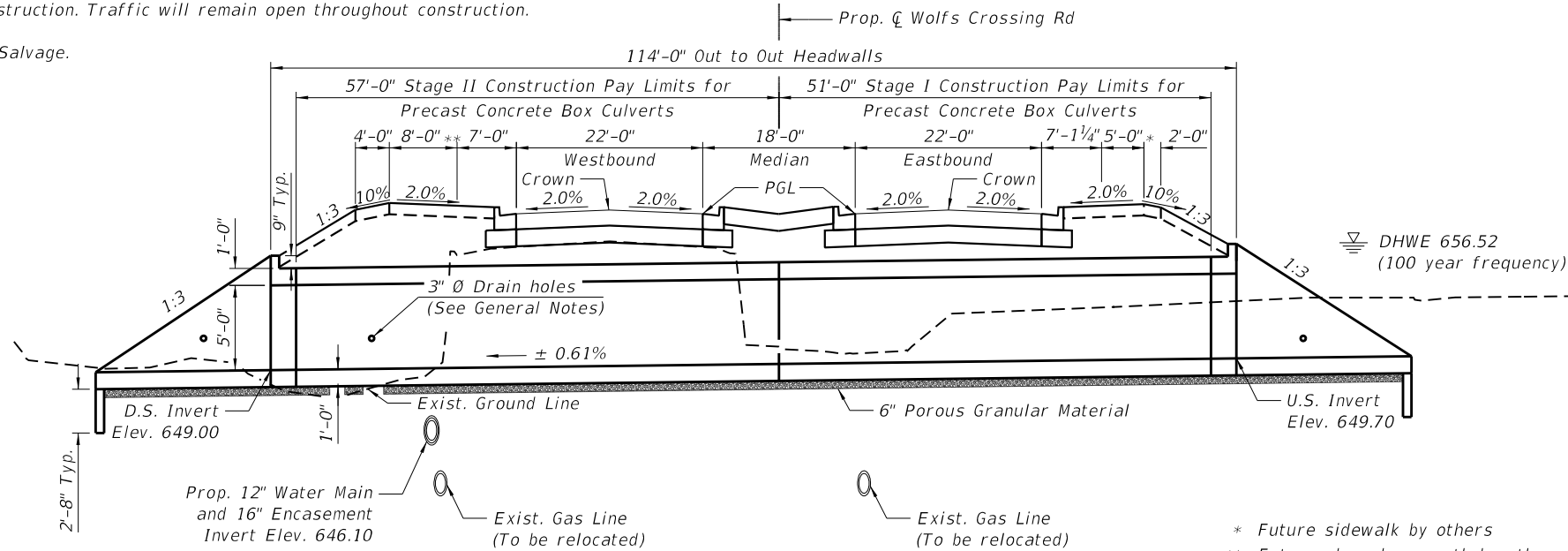
P.I. Sta. = 252+60.14
Δ = 10° 09'26" (LT)
D = 00'53'03"
R = 6,480.00'
T = 575.88'
L = 1148.75'
E = 25.54'
P.C. Sta. = 246+84.25
P.T. Sta. = 258+33.00

LEGEND

- W Prop. Underground Water Main
- G Exist. Underground Gasline (To be Relocated)
- A Exist. Aerial Cable (To be Relocated)
- Soil Boring

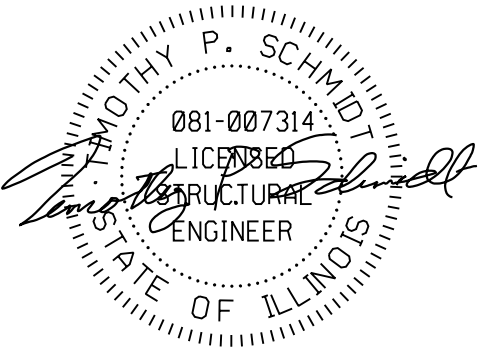


GENERAL PLAN & ELEVATION
WOLF'S CROSSING CULVERT
F.A.U. RT. 1577 - SEC. 23-00052-02-PV
KENDALL COUNTY
STATION 248+40.95



STA. 248+40.95
BUILT 2025 BY
VILLAGE OF OSWEGO
F.A.U. RT. 1577
SEC. 23-00052-02-PV
LOADING HL-93

NAME PLATE
See Std. 515001



EXPIRATION DATE 11-30-2026
DATE: 3-28-2025

BOX CULVERT PLANS
GENERAL PLAN AND ELEVATION

SHEET 1 OF 8 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	326
CONTRACT NO. 87846				

ILLINOIS FED. AID PROJECT

MODEL: General Plan and Elevation
FILE NAME: c:\pwwork\benesch_projects\projects\188736\038746-sh-culvert_GPE.dgn



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	DATE - 07/04/2025	REVISED -



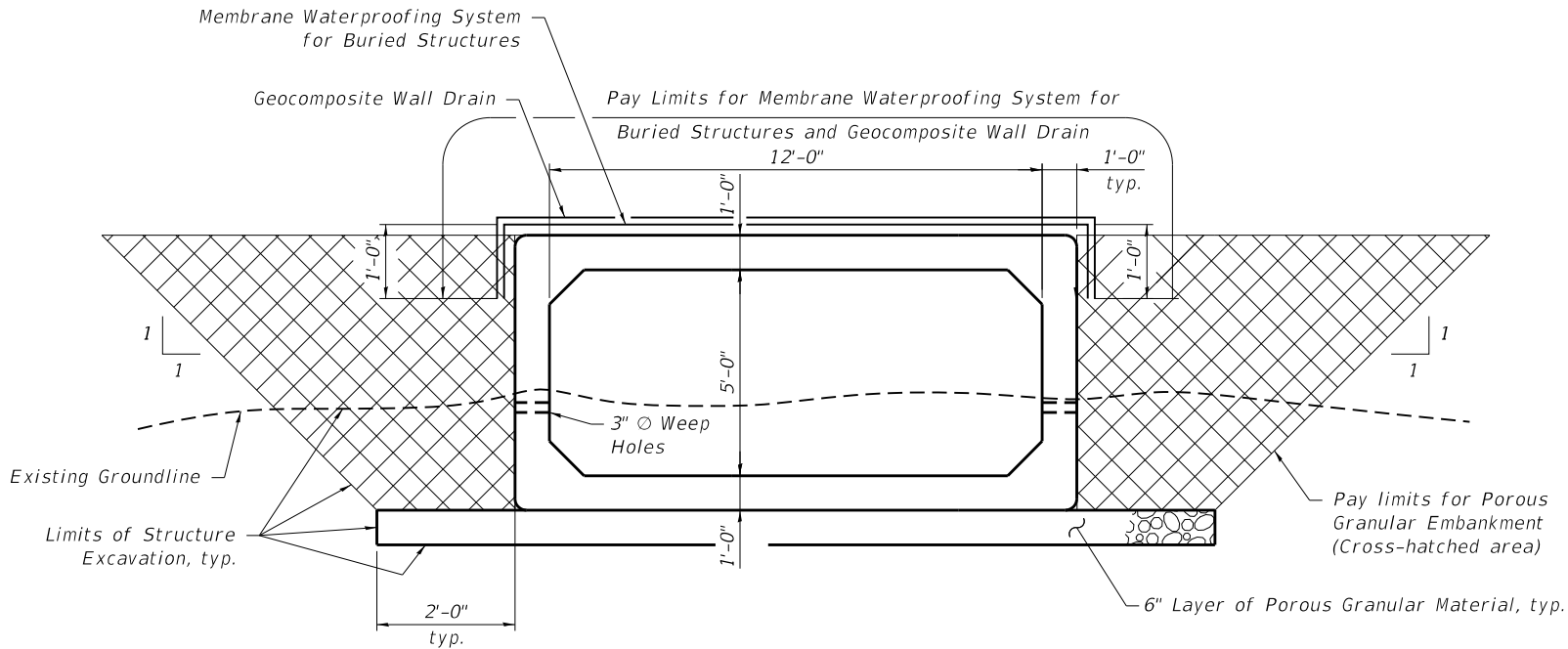
Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

INDEX OF SHEETS

- 1. General Plan and Elevation
- 2. General Notes, Total Bill of Material and Index of Sheets
- 3. Stage Construction
- 4-5. Single Cell Precast Box Culvert Tapered End Sections
- 6-7. Traversable Pipe Grate for Box Culverts
- 8. Soil Boring Logs

GENERAL NOTES

- 1. The design fill height for this box is 3.0 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.
- 2. Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.
- 3. Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.
- 4. Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment in the required excavation areas on the sides of the box culvert from the top of the box culvert to the bottom of the box culvert. This area of PGE is included in the Porous Granular Embankment pay item. The 6-inch thick layer of porous granular material required under the precast concrete box culvert, according to Section 540.06 of the Standard Specifications, shall also apply to the end sections. Cost of this porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.
- 5. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contactor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- 6. Membrane Waterproofing for Buried Structures shall be applied to the full length of the precast concrete box culverts and end sections for the limits shown on Sheets 2 and 4.



TYPICAL BOX SECTION

Note:
Geocompoite Wall Drain shall be according to Section 591 of the Standard Specifications, except that concrete nails shall not be used in areas where it overlaps Membrane Waterproofing System for Buried Structures.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu. Yd.	382
Removal of Existing Structures	Each	1
Structure Excavation	Cu. Yd.	515
Name Plates	Each	1
Temporary Soil Retention System	Sq. Ft.	143
Box Culvert End Sections, Culvert No. 1	Each	2
Precast Concrete Box Culverts, 12' x 5'	Foot	108
Traversable Pipe Grate for Concrete End Section	Foot	209
Geocomposite Wall Drain	Sq. Yd.	196
Membrane Waterproofing System for Buried Structures	Sq. Yd.	196

MODEL: General Notes and Total Bill of Material
FILE NAME: c:\p\word\benesch_projects\projects\188736\188736-D387546-sh-Culvert_GeneralNotesAndTotalBillOfMaterial.dgn



USER NAME = afaulkner	DESIGNED - MRL	REVISED -
	DRAWN - MRL	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - SLV	REVISED -
PLOT DATE = 3/10/2025	DATE - 07/04/2025	REVISED -



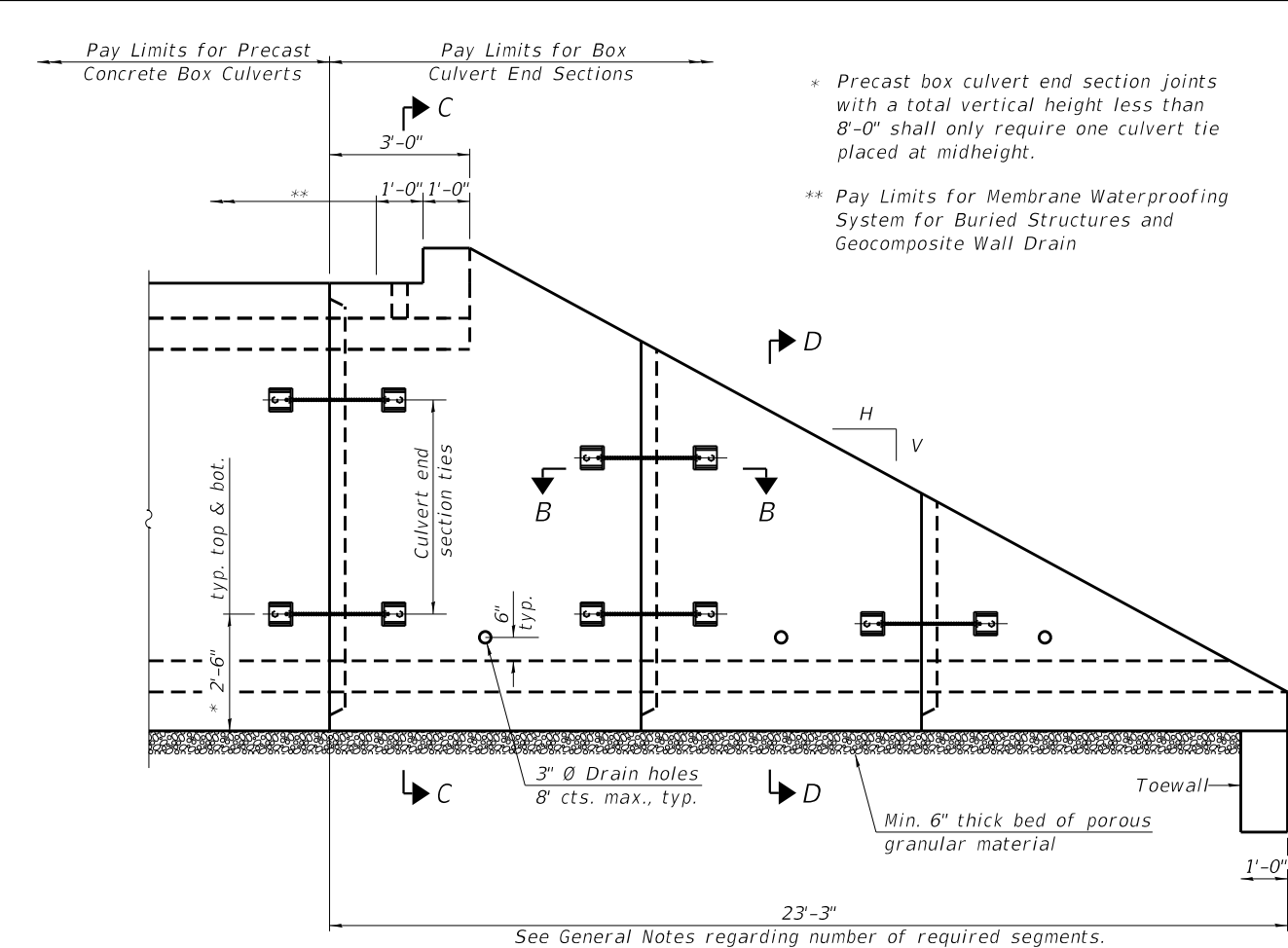
Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

BOX CULVERT PLANS
GENERAL NOTES, TOTAL BILL OF MATERIAL AND INDEX OF SHEETS

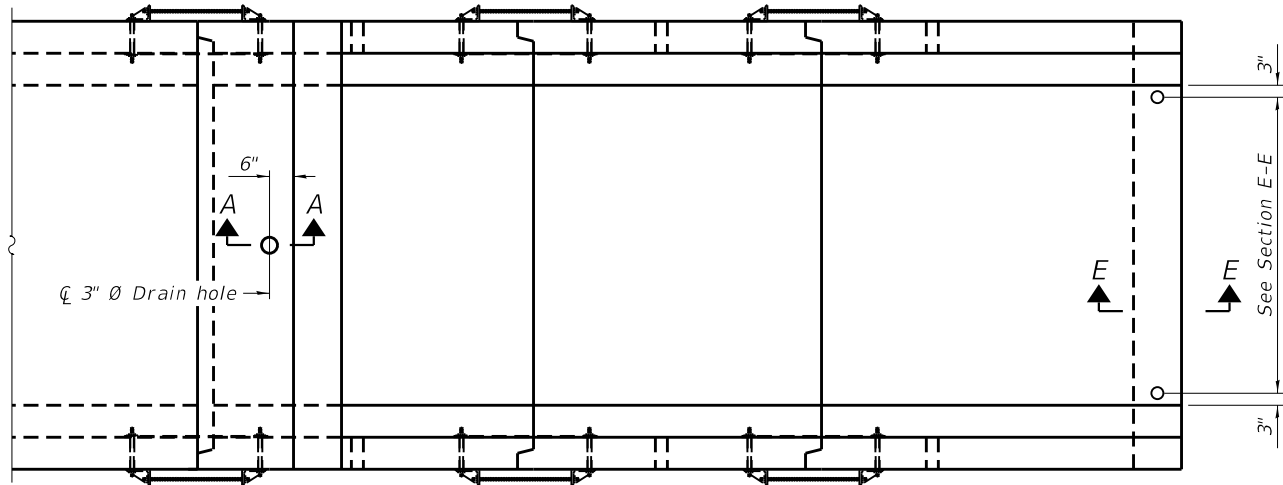
SHEET 2 OF 8 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	327
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

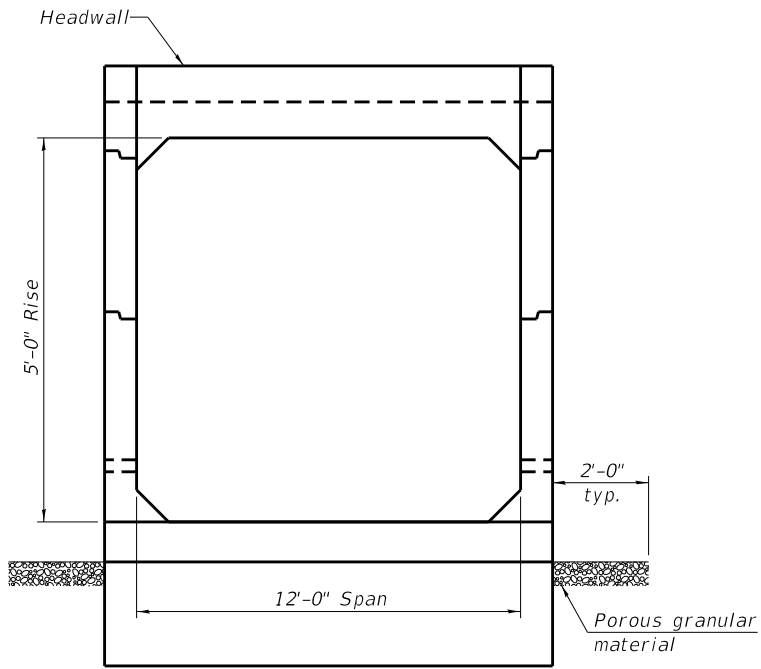
MODEL: Single Cell Precast Box Culvert Tapered End Sections
FILE NAME: c:\pwworkdir\benesch_projects\projects\1887361\387446-sh-culvert_SingleCellPrecastBoxCulvertTaperedEndSections1.dgn



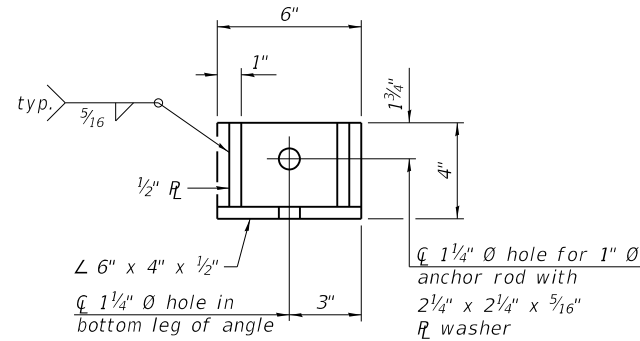
ELEVATION



PLAN



END VIEW



RESTRAINT ANGLE DETAIL

12" x 12" x 6" block of CA5, CA7, or CA11 coarse aggregate placed over drain opening. Block of aggregate shall be completely wrapped in nonwoven geotextile fabric.

Provide a double layer of 12" x 12" nonwoven geotextile fabric centered over the drain hole. Fabric shall be sealed to the concrete with mastic.

3" Ø PVC drain cast with the concrete (Adjust location to clear reinforcement).

1/2" Square foam blockout around PVC drain (to be removed with formwork)

SECTION A-A

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.) (Sheet 1 of 2)

GENERAL NOTES

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. This work will be measured for payment as each, with each end of each culvert being one each. End sections will be paid for at the contract unit price per each for Box Culvert End Sections of the culvert number specified.

Typical box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements of ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

Number of segments shown in Elevation is for example only. Length and number of precast box sections required to construct Box Culvert End Sections shall be determined by the Contractor.

See roadway plans for embankment slope (V:H).

1" Ø anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications. All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable.

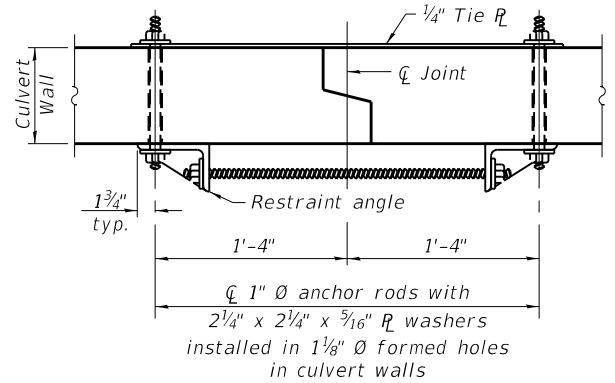
2 1/4" x 2 1/4" x 5/16" plate washers shall be provided under each nut required for the anchor rods. Anchor rods connecting precast sections shall be brought to a snug tight condition followed by an additional 1/2 turn on one of the nuts for anchor rods installed in the walls. Match marks shall be provided on the bolt and nut to verify relative rotation between the bolt and the nut. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.

All costs associated with furnishing and installing or constructing the toewall and culvert ties will not be measured for payment but shall be included in the contract unit price for Box Culvert End Sections of the culvert number specified.

Drain holes shall conform to the requirements of Article 503.11 of the Standard Specifications unless noted otherwise.

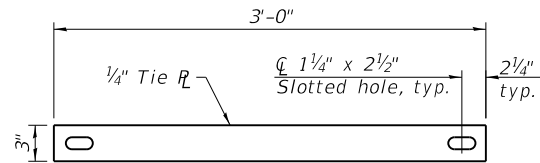
Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01. The minimum weight of the fabric shall be 6 oz. / sq. yd..

For end sections with traversable pipe grate systems, see grate detail sheet for required modifications.



SECTION B-B

(Showing end section tie details)



TIE PLATE DETAIL

SCB-TES

5-15-2023



USER NAME =	afaulkner	DESIGNED -	MRL	REVISED -	
DRAWN -	MRL	REVISED -			
PLOT SCALE =	\$\$\$CALES\$	CHECKED -	SLV	REVISED -	
PLOT DATE =	3/10/2025	DATE -	07/04/2025	REVISED -	



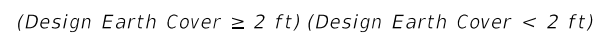
Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

BOX CULVERT PLANS SINGLE CELL PRECAST BOX CULVERT TAPERED END SECTIONS

SHEET 4 OF 8 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	329
CONTRACT NO. 87846				

ILLINOIS FED. AID PROJECT



<u>As1m REINFORCEMENT</u>											
(in. ² / ft)											
<i>Ts (in.) \ Rise (ft)</i>	2	3	4	5	6	7	8	9	10	11	12
4	0.19	0.17									
5	0.26	0.21	0.18								
6	0.22	0.26	0.23	0.22							
7	0.25	0.33	0.59	0.27	0.28						
8	0.40	0.35	0.43	0.39	0.36	0.34	0.40				
9	0.44	0.39	0.35	0.43	0.40	0.37	0.36	0.48			
10	0.48	0.42	0.38	0.47	0.44	0.41	0.38	0.42	0.56		
11	0.52	0.45	0.54	0.50	0.46	0.44	0.41	0.46	0.50	0.65	
12	0.55	0.49	0.58	0.54	0.50	0.48	0.45	0.46	0.46	0.61	0.75

#3 bar = 2'-0"
#4 bar = 2'-8"
#5 bar = 3'-4"
#6 bar = 3'-11"

#4 s bars at spacing = Tt
(Spacing need not be less than 8")

F

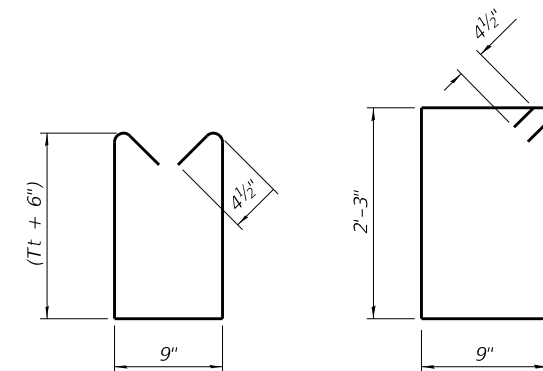
9"

4-h bars
(See Section F-F)

HEADWALL ELEVATION
(Allow sidewall reinforcement to extend into end of headwall.)

HEADWALL ELEVATION

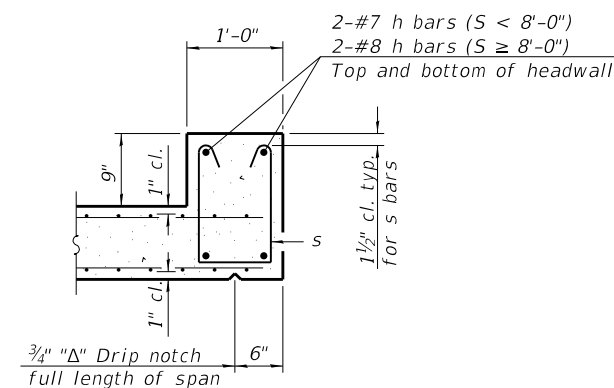
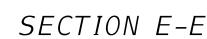
(Allow sidewall reinforcement to extend into end of headwall.)



BAR s1

1. Perform excavation and construct toewall.
2. Backfill according to the applicable paragraphs of Article 502.10 of the Standard Specifications and place bedding for precast box culvert end sections.
3. Set precast box culvert end section.
4. Drill and epoxy grout reinforcement in toewall in accordance with Section 584 of the Standard Specifications.
5. Pressure grout voids using non-shrink grout conforming to Section 1024 of the Standard Specifications.

*** If soil conditions permit, the sides of the toewall may be poured directly against the soil. The clear cover on the sides of the toewall shall be increased to 3" by increasing the thickness of the toewall.

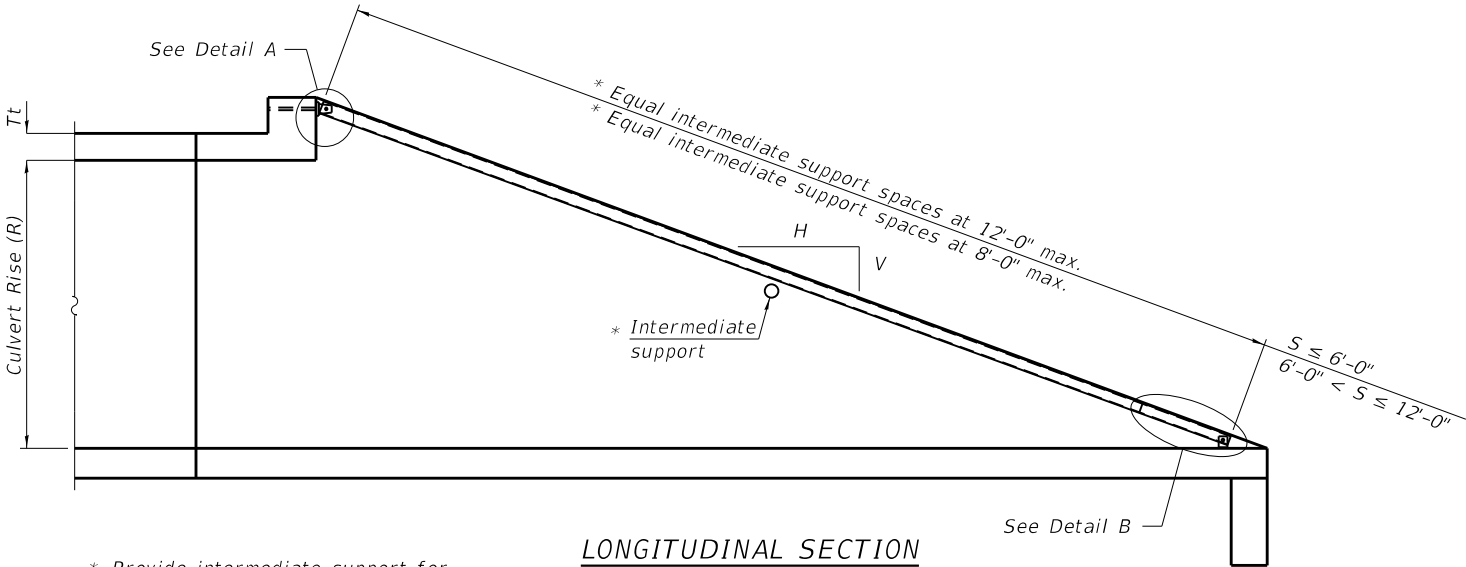


SCB-TES

5-15-2023

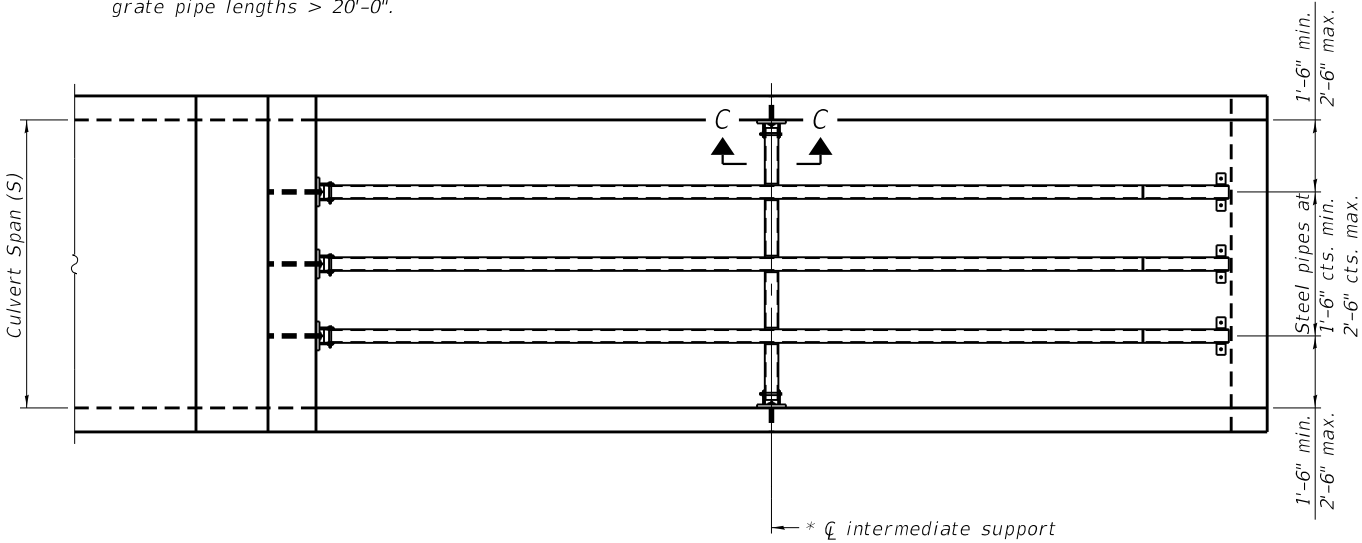
GENERAL NOTES

The minimum edge distance from the center of a hole to the free edge of a structural shape or plate shall be 1½" unless noted otherwise.
This standard shall only be used on concrete end sections not skewed more than ±15 degrees with roadway.
The Contractor may install the thru bolts using drilling and grouting in lieu of providing a formed hole using steel pipe. Installation shall be in accordance with Article 509.06 using a method that results in the annulus surrounding the bolt being completed filled with adhesive. The method of drilling shall not result in spalled concrete at the exit face. Epoxy grouted thru bolts shall be snug tightened followed by an additional ½ turn on the interior nut at final installation. Cost included with Traversable Pipe Grate.

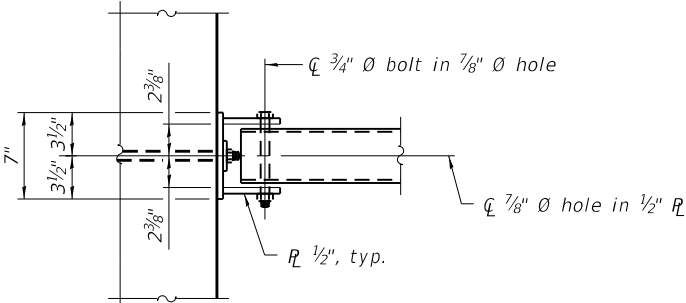


LONGITUDINAL SECTION

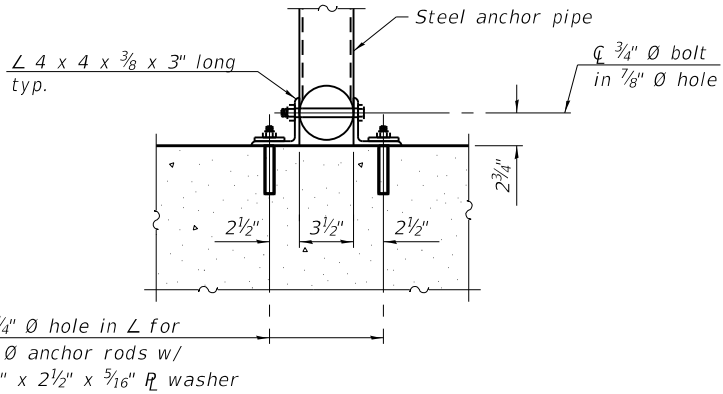
* Provide intermediate support for grate pipe lengths > 20'-0".



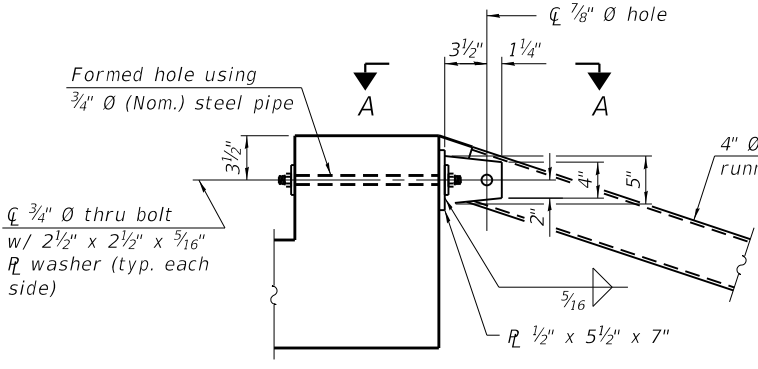
PLAN VIEW



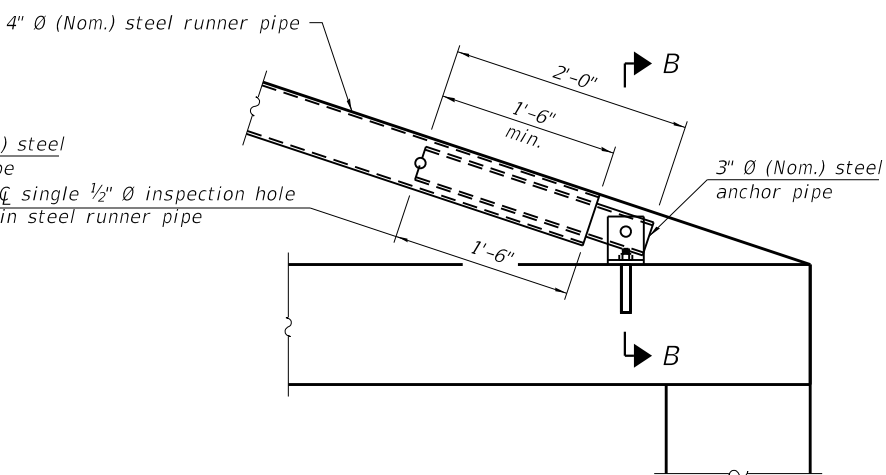
VIEW A-A



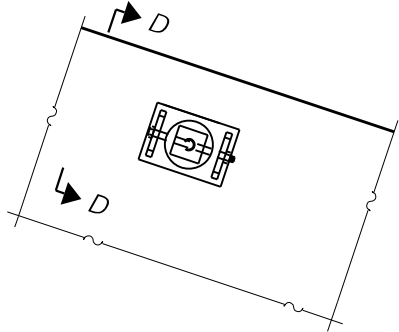
SECTION B-B



DETAIL A

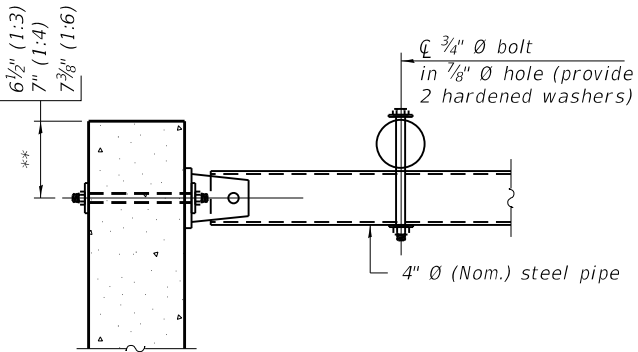


DETAIL B



VIEW C-C

(See Detail A for dimensions and details not shown.)



SECTION D-D

** Measured perpendicular to top of culvert wall. In addition, formed hole shall be located a minimum of 6" measured horizontally from any vertical joints necessary for construction of the culvert end section.

TPGBC-ZS

5-15-2023

(Sheet 1 of 2)



USER NAME =	afaulkner	DESIGNED -	MRL	REVISED -	
		DRAWN -	MRL	REVISED -	
PLOT SCALE =	\$\$SCALE\$	CHECKED -	SLV	REVISED -	
PLOT DATE =	3/10/2025	DATE -	07/04/2025	REVISED -	



Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

BOX CULVERT PLANS
TRAVERSABLE PIPE GRATE FOR BOX CULVERTS

SHEET 6 OF 8 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	331
CONTRACT NO. 87846				

ILLINOIS FED. AID PROJECT

PIPE-GRATE SCHEDULE FOR BOX CULVERT END SECTIONS

Precast Box Culvert Dimensions			Slope of End Section								
			1:3			1:4			1:6		
			Main Pipe No. / Length	Int. Support No. / Length	Total Length of Pipe	Main Pipe No. / Length	Int. Support No. / Length	Total Length of Pipe	Main Pipe No. / Length	Int. Support No. / Length	Total Length of Pipe
S (ft)	R (ft)	Tt (in)									
4	2	7.5	1 @ 8'-10"	N/A	8'-10"	1 @ 11'-7"	N/A	11'-7"	1 @ 17'-2"	N/A	17'-2"
4	2	5	1 @ 8'-2"	N/A	8'-2"	1 @ 10'-8"	N/A	10'-8"	1 @ 15'-11"	N/A	15'-11"
4	3	7.5	1 @ 12'-0"	N/A	12'-0"	1 @ 15'-8"	N/A	15'-8"	1 @ 23'-3"	1 @ 3'-7"	26'-10"
4	3	5	1 @ 11'-4"	N/A	11'-4"	1 @ 14'-10"	N/A	14'-10"	1 @ 22'-0"	1 @ 3'-7"	25'-7"
4	4	7.5	1 @ 15'-2"	N/A	15'-2"	1 @ 19'-10"	1 @ 3'-7"	23'-5"	1 @ 29'-4"	2 @ 3'-7"	36'-3"
4	4	5	1 @ 14'-6"	N/A	14'-6"	1 @ 18'-11"	N/A	18'-11"	1 @ 28'-1"	2 @ 3'-7"	35'-3"
5	2	8	1 @ 8'-11"	N/A	8'-11"	1 @ 11'-9"	N/A	11'-9"	1 @ 17'-5"	N/A	17'-5
5	2	6	1 @ 8'-5"	N/A	8'-5"	1 @ 11'-1"	N/A	11'-1"	1 @ 16'-5"	N/A	16'-5"
5	3	8	1 @ 12'-1"	N/A	12'-1"	1 @ 15'-10"	N/A	15'-10"	1 @ 23'-6"	1 @ 4'-7"	28'-1"
5	3	6	1 @ 11'-7"	N/A	11'-7"	1 @ 15'-2"	N/A	15'-2"	1 @ 22'-6"	1 @ 4'-7"	27'-1"
5	4	8	1 @ 15'-3"	N/A	15'-3"	1 @ 20'-0"	1 @ 4'-7"	24'-7"	1 @ 29'-7"	2 @ 4'-7"	38'-9"
5	4	6	1 @ 14'-9"	N/A	14'-9"	1 @ 19'-3"	N/A	19'-3"	1 @ 28'-7"	2 @ 4'-7"	37'-9"
5	5	8	1 @ 18'-5"	N/A	18'-5"	1 @ 24'-1"	2 @ 4'-7"	33'-3"	1 @ 35'-8"	3 @ 4'-7"	49'-5"
5	5	6	1 @ 17'-11"	N/A	17'-11"	1 @ 23'-5"	1 @ 4'-7"	28'-0"	1 @ 34'-8"	2 @ 4'-7"	43'-10"
6	2	8	2 @ 8'-11"	N/A	17'-10"	2 @ 11'-9"	N/A	23'-6"	2 @ 17'-5"	N/A	34'-10"
6	2	7	2 @ 8'-8"	N/A	17'-4"	2 @ 11'-5"	N/A	22'-10"	2 @ 16'-11"	N/A	33'-10"
6	3	8	2 @ 12'-1"	N/A	24'-2"	2 @ 15'-10"	N/A	31'-8"	2 @ 23'-6"	1 @ 5'-7"	52'-7"
6	3	7	2 @ 11'-10"	N/A	23'-8"	2 @ 15'-6"	N/A	31'-0"	2 @ 23'-0"	1 @ 5'-7"	51'-7"
6	4	8	2 @ 15'-3"	N/A	30'-6"	2 @ 20'-0"	1 @ 5'-7"	45'-7"	2 @ 29'-7"	2 @ 5'-7"	70'-4"
6	4	7	2 @ 15'-0"	N/A	30'-0"	2 @ 19'-8"	1 @ 5'-7"	44'-11"	2 @ 29'-1"	2 @ 5'-7"	69'-4"
6	5	8	2 @ 18'-5"	N/A	36'-10"	2 @ 24'-1"	2 @ 5'-7"	59'-4"	2 @ 35'-8"	3 @ 5'-7"	88'-1"
6	5	7	2 @ 18'-2"	N/A	36'-4"	2 @ 23'-9"	2 @ 5'-7"	58'-8"	2 @ 35'-2"	2 @ 5'-7"	81'-6"
6	6	8	2 @ 21'-7"	1 @ 5'-7"	48'-9"	2 @ 28'-3"	2 @ 5'-7"	67'-8"	2 @ 41'-9"	3 @ 5'-7"	100'-3"
6	6	7	2 @ 21'-4"	1 @ 5'-7"	48'-3"	2 @ 27'-11"	2 @ 5'-7"	67'-0"	2 @ 41'-3"	3 @ 5'-7"	99'-3"
7	2	8	2 @ 8'-11"	N/A	17'-10"	2 @ 11'-9"	N/A	23'-6"	2 @ 17'-5"	N/A	34'-10"
7	3	8	2 @ 12'-1"	N/A	24'-2"	2 @ 15'-10"	N/A	31'-8"	2 @ 23'-6"	2 @ 6'-7"	60'-2"
7	4	8	2 @ 15'-3"	N/A	30'-6"	2 @ 20'-0"	2 @ 6'-7"	53'-2"	2 @ 29'-7"	3 @ 6'-7"	78'-11"
7	5	8	2 @ 18'-5"	N/A	36'-10"	2 @ 24'-1"	3 @ 6'-7"	67'-11"	2 @ 35'-8"	4 @ 6'-7"	97'-8"
7	6	8	2 @ 21'-7"	2 @ 6'-7"	56'-4"	2 @ 28'-3"	3 @ 6'-7"	76'-3"	2 @ 41'-9"	5 @ 6'-7"	116'-5"
7	7	8	2 @ 24'-9"	3 @ 6'-7"	69'-3"	2 @ 32'-4"	4 @ 6'-7"	91'-0"	2 @ 47'-10"	6 @ 6'-7"	135'-2"
8	2	8	3 @ 8'-11"	N/A	26'-9"	3 @ 11'-9"	N/A	35'-3"	3 @ 17'-5"	N/A	52'-3"
8	3	8	3 @ 12'-1"	N/A	36'-3"	3 @ 15'-10"	N/A	47'-6"	3 @ 23'-6"	2 @ 7'-7"	85'-8"
8	4	8	3 @ 15'-3"	N/A	45'-9"	3 @ 20'-0"	2 @ 7'-7"	75'-2"	3 @ 29'-7"	3 @ 7'-7"	111'-6"
8	5	8	3 @ 18'-5"	N/A	55'-3"	3 @ 24'-1"	3 @ 7'-7"	95'-0"	3 @ 35'-8"	4 @ 7'-7"	137'-4"
8	6	8	3 @ 21'-7"	2 @ 7'-7"	79'-11"	3 @ 28'-3"	3 @ 7'-7"	107'-6"	3 @ 41'-9"	5 @ 7'-7"	163'-2"
8	7	8	3 @ 24'-9"	3 @ 7'-7"	97'-0"	3 @ 32'-4"	4 @ 7'-7"	127'-4"	3 @ 47'-10"	6 @ 7'-7"	189'-0"
8	8	8	3 @ 27'-11"	3 @ 7'-7"	106'-6"	3 @ 36'-6"	4 @ 7'-7"	139'-10"	3 @ 53'-11"	6 @ 7'-7"	207'-3"
9	2	9	3 @ 9'-3"	N/A	27'-9"	3 @ 12'-1"	N/A	36'-3"	3 @ 17'-11"	N/A	53'-9"
9	3	9	3 @ 12'-4"	N/A	37'-0"	3 @ 16'-2"	N/A	48'-6"	3 @ 24'-0"	3 @ 8'-7"	97'-9"
9	4	9	3 @ 15'-6"	N/A	46'-6"	3 @ 20'-4"	2 @ 8'-7"	78'-2"	3 @ 30'-1"	3 @ 8'-7"	116'-0"
9	5	9	3 @ 18'-8"	N/A	56'-0"	3 @ 24'-5"	3 @ 8'-7"	99'-0"	3 @ 36'-2"	4 @ 8'-7"	142'-10"
9	6	9	3 @ 21'-10"	2 @ 8'-7"	82'-8"	3 @ 28'-7"	3 @ 8'-7"	111'-6"	3 @ 42'-3"	5 @ 8'-7"	169'-8"
9	7	9	3 @ 25'-0"	3 @ 8'-7"	100'-9"	3 @ 32'-8"	4 @ 8'-7"	132'-4"	3 @ 48'-4"	6 @ 8'-7"	196'-6"
9	8	9	3 @ 28'-2"	3 @ 8'-7"	110'-3"	3 @ 36'-10"	4 @ 8'-7"	144'-10"	3 @ 54'-5"	6 @ 8'-7"	214'-9"
9	9	9	3 @ 31'-4"	3 @ 8'-7"	119'-9"	3 @ 40'-11"	5 @ 8'-7"	165'-8"	3 @ 60'-6"	7 @ 8'-7"	241'-7"
10	2	10	3 @ 9'-6"	N/A	28'-6"	3 @ 12'-5"	N/A	37'-3"	3 @ 18'-5"	N/A	55'-3"
10	3	10	3 @ 12'-8"	N/A	38'-0"	3 @ 16'-6"	N/A	49'-6"	3 @ 24'-6"	3 @ 9'-7"	102'-3"
10	4	10	3 @ 15'-10"	N/A	47'-6"	3 @ 20'-8"	2 @ 9'-7"	81'-2"	3 @ 30'-7"	3 @ 9'-7"	120'-6"
10	5	10	3 @ 19'-0"	N/A	57'-0"	3 @ 24'-9"	3 @ 9'-7"	103'-0"	3 @ 36'-8"	4 @ 9'-7"	148'-4"
10	6	10	3 @ 22'-1"	2 @ 9'-7"	85'-5"	3 @ 28'-11"	3 @ 9'-7"	115'-6"	3 @ 42'-9"	5 @ 9'-7"	176'-2"
10	7	10	3 @ 25'-3"	3 @ 9'-7"	104'-6"	3 @ 33'-0"	4 @ 9'-7"	137'-4"	3 @ 48'-10"	6 @ 9'-7"	204'-0"
10	8	10	3 @ 28'-5"	3 @ 9'-7"	114'-0"	3 @ 37'-2"	4 @ 9'-7"	149'-10"	3 @ 54'-11"	6 @ 9'-7"	222'-3"
10	9	10	3 @ 31'-7"	4 @ 9'-7"	133'-1"	3 @ 41'-3"	5 @ 9'-7"	171'-8"	3 @ 61'-0"	7 @ 9'-7"	250'-1"
10	10	10	3 @ 34'-9"	4 @ 9'-7"	142'-7"	3 @ 45'-5"	5 @ 9'-7"	184'-2"	3 @ 67'-1"	8 @ 9'-7"	277'-11"
11	2	11	4 @ 9'-9"	N/A	39'-0"	3 @ 12'-9"	N/A	51'-0"	4 @ 18'-11"	N/A	75'-8"
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11	11	11	4 @ 38'-2"	4 @ 10'-7"	195'-0"	4 @ 49'-10"	6 @ 10'-7"	262'-10"	4 @ 73'-8"	9 @ 10'-7"	389'-11"
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12	6	12	4 @ 22'-8"	2 @ 11'-7"	113'-10"	4 @ 29'-7"	3 @ 11'-7"	153'-1"	4 @ 43'-9"	5 @ 11'-7"	232'-11"
12	8	12	4 @ 29'-0"	3 @ 11'-7"	150'-9"	4 @ 37'-10"	4 @ 11'-7"	197'-8"	4 @ 55'-11"	7 @ 11'-7"	304'-9"
12	10	12	4 @ 35'-4"	4 @ 11'-7"	187'-8"	4 @ 46'-1"	5 @ 11'-7"	242'-3"	4 @ 68'-1"	8 @ 11'-7"	365'-0"
12	12	12	4 @ 41'-8"	5 @ 11'-7"	224'-7"	4 @ 54'-4"	6 @ 11'-7"	286'-10"	4 @ 80'-3"	10 @ 11'-7"	436'-10"

(Sheet 2 of 2)

MODEL: Traversable Pipe Grate for Box Culverts
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Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

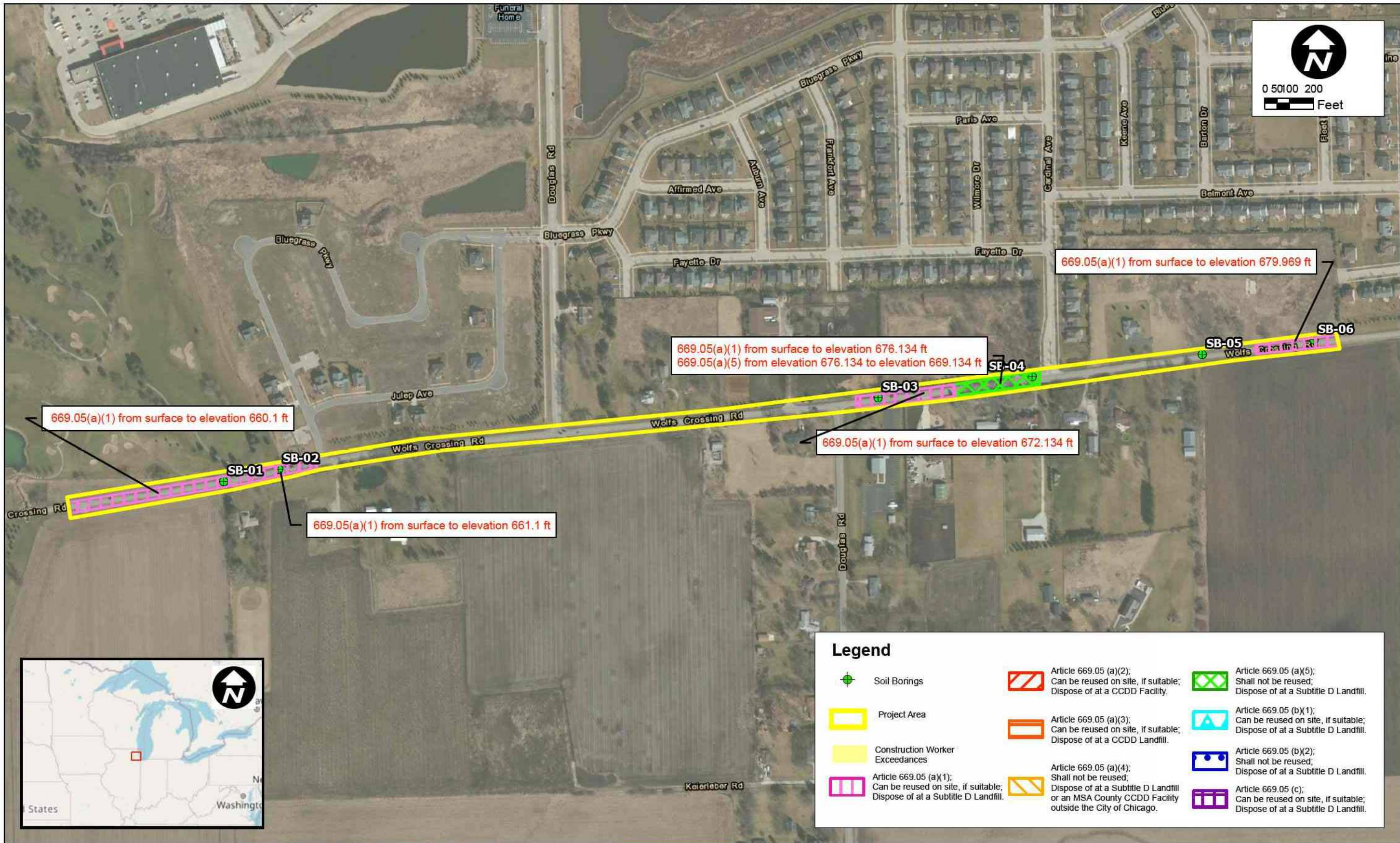
BOX CULVERT PLANS	
TRAVERSABLE PIPE GRATE FOR BOX CULVERTS	
SHEET 7	OF 8 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	332
CONTRACT NO. 87846				
ILLINOIS		FED. AID PROJECT		

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE	NUMBER	RECOVERY (%)	BLOW COUNTS (N VALUE)	UNCONFINED COMPRESSION (tsf)	▲ SPT N VALUE			
								20	40	60	80
								● Moisture Content			
10				20	30	40					
□ Unconfined Compression (tsf)								2	4	6	8
0		6 inches of Topsoil									
		SILTY SAND (SM) - Gray - Loose - Moist to Wet	X	SS 1	33	3-2-3 (5)					
5			X	SS 2	67	5-3-4 (7)					
		SAND, trace gravel (SP) - Gray - Loose to Medium Dense - Moist to Wet	X	SS 3	67	6-5-7 (12)					
10			X	SS 4	67	7-7-7 (14)					
			X	SS 5	100	6-5-5 (10)					
15			X	SS 6	100	7-9-8 (17)					
20			X	SS 7	100	10-7-5 (12)					

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY (%)	BLOW COUNTS (N VALUE)	UNCONFINED COMPRESSION (tsf)	▲ SPT N VALUE			
							● Moisture Content			
							□ Unconfined Compression (tsf)			
							20	40	60	80
0		6 inches of Topsoil								
		SANDY CLAY (CLS) - Gray and Brown - Stiff - Moist	SS 1	33	4-5-2 (7)					
5			SS 2	33	2-2-5 (7)					
		SAND, trace gravel (SP) - Gray - Medium Dense - Moist	SS 3	67	6-6-7 (13)					
10			SS 4	33	8-7-6 (13)					
			SS 5	100	10-6-5 (11)					
15			SS 6	100	9-12-11 (23)					
20			SS 7	100	8-9-8 (17)					

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY (%)	BLOW COUNTS (N VALUE)	UNCONFINED COMPRESSION (tsf)	SPT N VALUE			
							20	40	60	80
							● Moisture Content			
								10 20 30 40		
								□ Unconfined Compression (tsf)		
								2 4 6 8		
0		6 inches of Topsoil								
		SILTY CLAY (CL/ML) - Brown and Gray - Stiff - Moist to Very Moist	SS 1	33	2-3-2 (5)	2.0				
5			SS 2	33	1-2-4 (6)	2.0				
		SAND, trace gravel (SP) - Gray - Medium Dense - Moist to Wet	SS 3	67	11-6-8 (14)					
10			SS 4	100	3-6-9 (15)					
			SS 5	100	6-7-6 (13)					
15			SS 6	100	8-7-5 (12)					
20			SS 7	100	8-7-8 (15)					



DRAWN BYJEB

CHECKED BYGK

DATE5/3/2022

DATE5/3/2022

GSG

GSG CONSULTANTS, INC.

735 Remington Road, Schaumburg, IL 60173

Tel: 630.994.2600, www.gsg-consultants.com

Village of Oswego

Wolf's Crossing Road, Oswego, Kendall County, IL

EXHIBIT 4

Soil Management Plan

SHEET NO.

1 OF 1

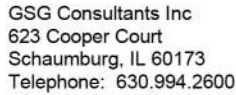
benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10585.01

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PLOT DATE	= 2/26/2025				

Village of Oswego
Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

SOIL BORING PLANS			
SCALE:	SHEET 1	OF 16 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	334
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				



PAGE 1 OF 1

PROJECT NAME Wolf's Crossing Road

PROJECT LOCATION DuPage County, Oswego Illinois

GROUND ELEVATION _____ HOLE SIZE 4"

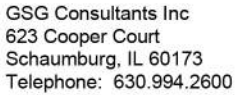
GROUND WATER LEVELS:

AT TIME OF DRILLING ---

AT END OF DRILLING ---

AFTER DRILLING ---

Bottom of borehole at 10.0 feet.



PAGE 1 OF 1

PROJECT NAME Wolf's Crossing Road

PROJECT LOCATION DuPage County, Oswego Illinois

GROUND ELEVATION _____ HOLE SIZE 4"

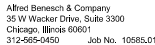
GROUND WATER LEVELS:

AT TIME OF DRILLING ---

AT END OF DRILLING ---

AFTER DRILLING ---

Bottom of borehole at 10.0 feet.



DESIGNED -

REVISÉ -

REVISÉ -

REVISÉ -

REVISÉ -



SCALE: N/A	SHEET 2	OF 16	SHEETS	STA.	TO STA.
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ILLINOIS	FED. AID PROJECT
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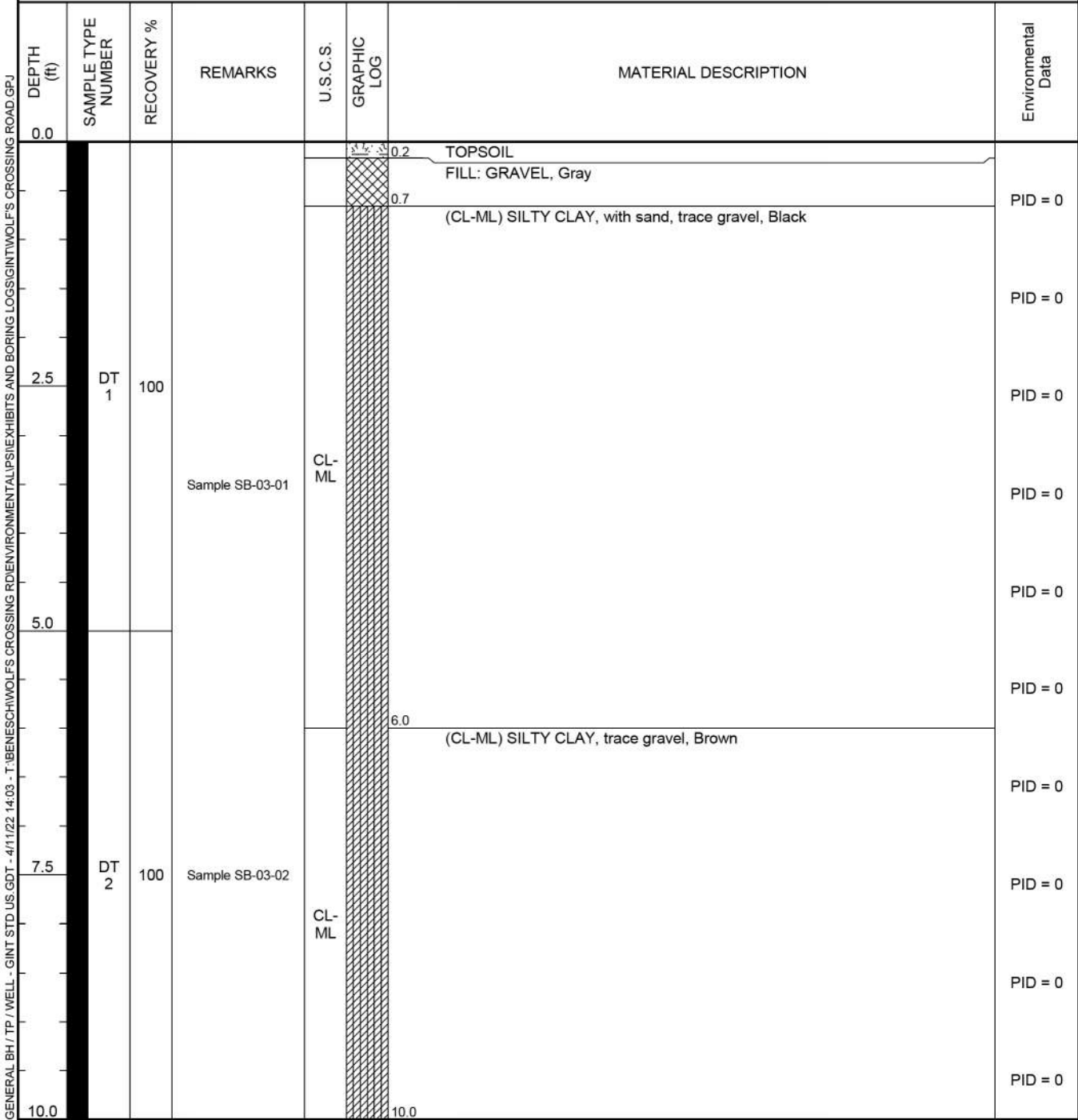


GSG Consultants Inc
623 Cooper Court
Schaumburg, IL 60173
Telephone: 630.994.2600

BORING NUMBER SB-3

PAGE 1 OF 1

CLIENT	Benesch	PROJECT NAME	Wolf's Crossing Road
PROJECT NUMBER	22-1012	PROJECT LOCATION	DuPage County, Oswego Illinois
DATE STARTED	3/14/22	COMPLETED	3/14/22
GROUND ELEVATION		HOLE SIZE	4"
DRILLING CONTRACTOR	GSG Drilling	GROUND WATER LEVELS:	
DRILLING METHOD	GeoProbe Dual-Tube (7822DT)	AT TIME OF DRILLING	---
LOGGED BY	JEB	CHECKED BY	GK
		AT END OF DRILLING	---
NOTES		AFTER DRILLING	---



Bottom of borehole at 10.0 feet.

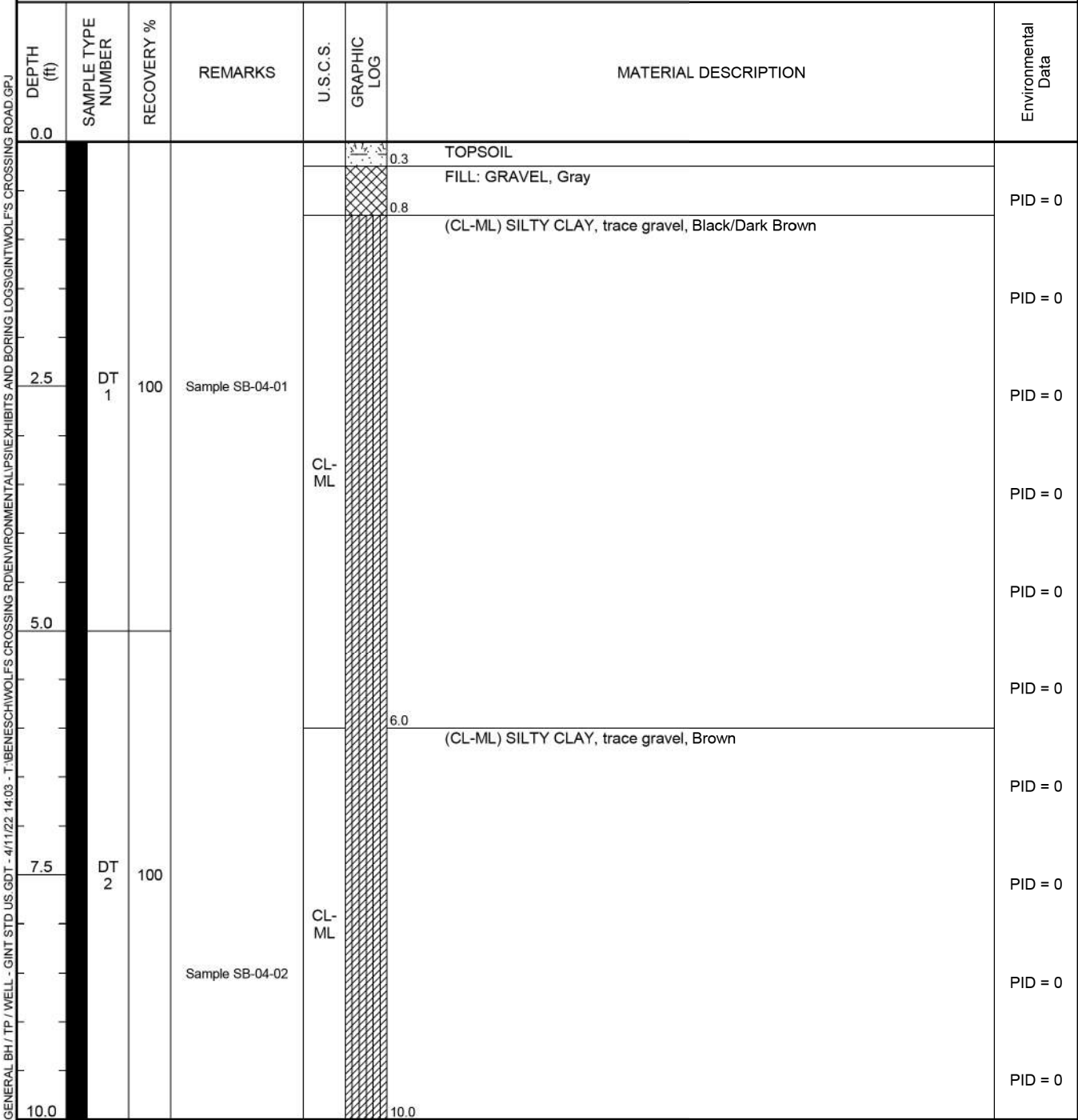


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623 Cooper Court
Schaumburg, IL 60173
Telephone: 630.994.2600

BORING NUMBER SB-4

PAGE 1 OF 1

CLIENT	Benesch	PROJECT NAME	Wolf's Crossing Road
PROJECT NUMBER	22-1012	PROJECT LOCATION	DuPage County, Oswego Illinois
DATE STARTED	3/14/22	COMPLETED	3/14/22
GROUND ELEVATION		HOLE SIZE	4"
DRILLING CONTRACTOR	GSG Drilling	GROUND WATER LEVELS:	
DRILLING METHOD	GeoProbe Dual-Tube (7822DT)	AT TIME OF DRILLING	---
LOGGED BY	JEB	CHECKED BY	GK
		AT END OF DRILLING	---
NOTES		AFTER DRILLING	---



Bottom of borehole at 10.0 feet.

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PLOT DATE	= 3/25/2025	DATE	- 07/04/2025	REVISED	-



Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

SOIL BORING PLANS

SCALE: N/A SHEET 3 OF 16 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	336
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

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623 Cooper Court

Schaumburg, IL 60173

Telephone: 630.994.2600

BORING NUMBER SB-5

PAGE 1 OF 1

CLIENT Benesch

PROJECT NAME Wolf's Crossing Road

PROJECT NUMBER 22-1012

PROJECT LOCATION DuPage County, Oswego Illinois

DATE STARTED 3/14/22

COMPLETED 3/14/22

GROUND ELEVATION

HOLE SIZE 4"

DRILLING CONTRACTOR GSG Drilling

GROUND WATER LEVELS:

DRILLING METHOD GeoProbe Dual-Tube (7822DT)

AT TIME OF DRILLING --

LOGGED BY JEB

CHECKED BY GK

AT END OF DRILLING --

NOTES

AFTER DRILLING --

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S. GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0.0					TOPSOIL	PID = 0
1.0					(CL-ML) SILTY CLAY, trace gravel, Brown	PID = 0
2.5	DT 1	100	Sample SB-05-01	CL-ML		PID = 0
5.0						PID = 0
6.0					(CL-ML) SILTY CLAY, trace gravel, Gray	PID = 0
7.5	DT 2	100	Sample SB-05-02	CL-ML		PID = 0
10.0						PID = 0

Bottom of borehole at 10.0 feet.



GSG Consultants Inc

623 Cooper Court

Schaumburg, IL 60173

Telephone: 630.994.2600

BORING NUMBER SB-6

PAGE 1 OF 1

CLIENT Benesch

PROJECT NAME Wolf's Crossing Road

PROJECT NUMBER 22-1012

PROJECT LOCATION DuPage County, Oswego Illinois

DATE STARTED 3/14/22

COMPLETED 3/14/22

GROUND ELEVATION

HOLE SIZE 4"

DRILLING CONTRACTOR GSG Drilling

GROUND WATER LEVELS:

DRILLING METHOD GeoProbe Dual-Tube (7822DT)

AT TIME OF DRILLING --

LOGGED BY JEB

CHECKED BY GK

AT END OF DRILLING --

NOTES

AFTER DRILLING --

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S. GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data
0.0					TOPSOIL	PID = 0
1.0					(CL-ML) SILTY CLAY, trace gravel, Black	PID = 0
2.5	DT 1	100	Sample SB-06-01	CL-ML		PID = 0
3.0					(CL-ML) SILTY CLAY, trace gravel, Brown/Mottled Black	PID = 0
5.0					(CL-ML) SILTY CLAY, trace gravel, Brown	PID = 0
7.5	DT 2	100	Sample SB-06-02	CL-ML		PID = 0
10.0						PID = 0

Bottom of borehole at 10.0 feet.



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Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

SOIL BORING PLANS

SCALE: N/A SHEET 4 OF 16 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	337
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				



LEGEND

 BORING LOCATION



GSG CONSULTANTS, INC.
735 Remington Road, Schaumburg, IL 60173
Tel: 630.994.2600, www.gsg-consultants.com

DRAWN BY:	NN
CHECKED BY:	ES
DATE:	06/21/2021
SCALE:	1:300



EXHIBIT 1A SOIL BORING LOCATION PLAN
WOLFS CROSSING ROAD
VILLAGE OF OSWEGO, ILLINOIS



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Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

SOIL BORING PLANS

SCALE: N/A SHEET 5 OF 16 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	338
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				



LEGEND

 BORING LOCATION



GSG CONSULTANTS, INC.
735 Remington Road, Schaumburg, IL 60173
Tel: 630.994.2600, www.gsg-consultants.com

DRAWN BY:	NN
CHECKED BY:	ES
DATE:	06/21/2021
SCALE:	1:300



EXHIBIT 1B SOIL BORING LOCATION PLAN
WOLFS CROSSING ROAD
VILLAGE OF OSWEGO, ILLINOIS



USER NAME	= tblank
DESIGNED	-
DRAWN	- T.BLANK
PLOT SCALE	= \$\$CALE\$
CHECKED	-
DATE	- 07/04/2025
PLOT DATE	= 3/25/2025

REVISED	-
REVISED	-
REVISED	-
REVISED	-

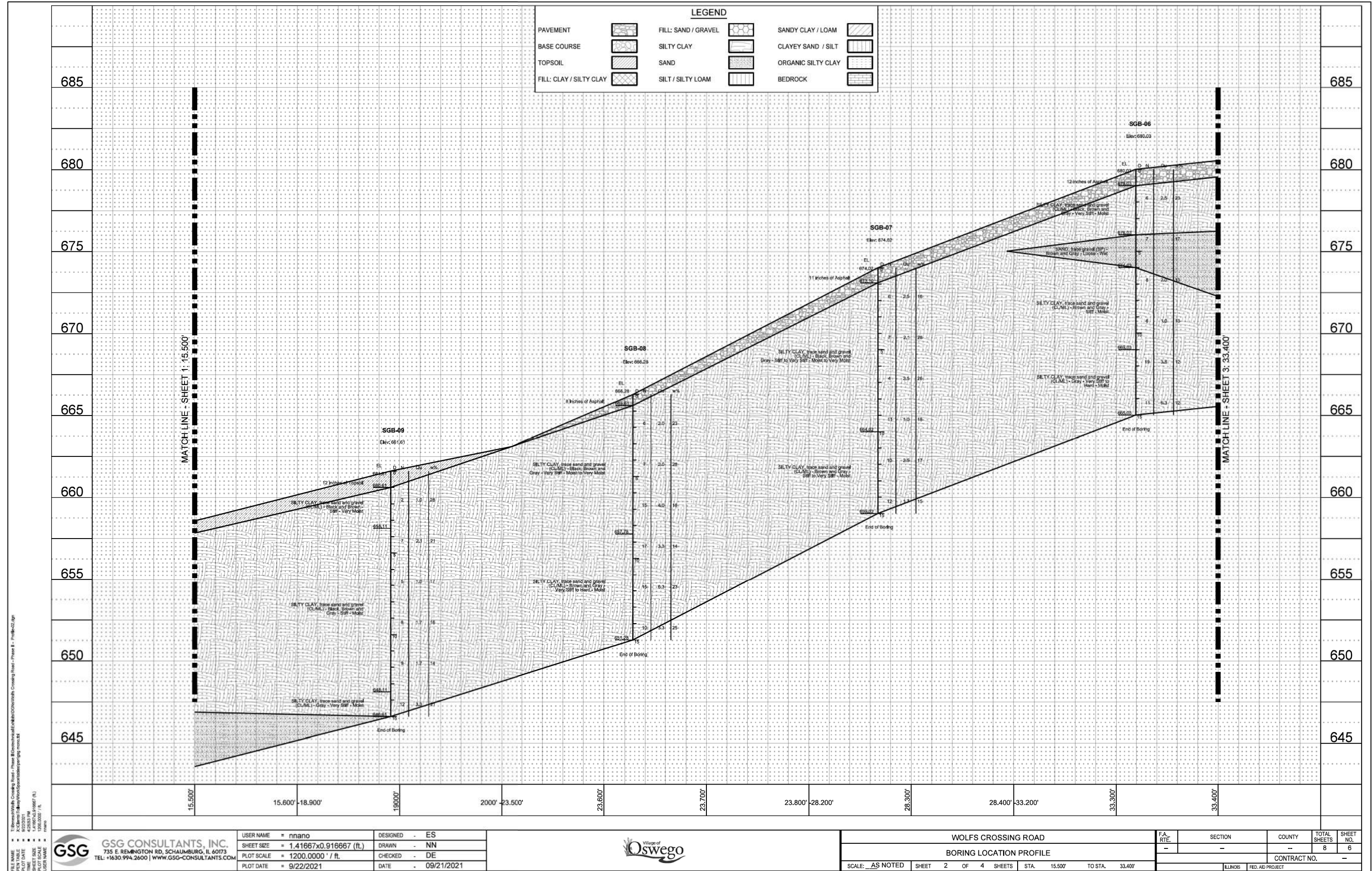


Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

SOIL BORING PLANS

SCALE: N/A SHEET 6 OF 16 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	339
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				



Page 1 of 1

Date 6/7/21

ROUTE	DESCRIPTION	LOGGED BY
Wolf's Crossing Road		EH

SECTION _____ LOCATION _____

COUNTY	Kendall	DRILLING RIG	North 1829918.905, East 990887.3143	
		DRILLING METHOD	CME-75	HAMMER TYPE
			HSA	Auto
				HAMMER EFF (%)
				91

STRUCT. NO. _____	D E P T H	B L O C K S	U C S	M O I S T	Surface Water Elev. _____	N/A	ft
Station _____					Stream Bed Elev. _____	N/A	ft
BORING NO. _____							
Station _____							
Offset _____			Qu		Groundwater Elev.:		
Ground Surface Elev. _____					First Encounter _____	None	ft
					Upon Completion _____	N/A	ft
					After _____ Hrs.	N/A	ft

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)



Page 1 of 1

Date 6/7/21

ROUTE	Wolf's Crossing Road	DESCRIPTION	LOGGED BY	EH
-------	----------------------	-------------	-----------	----

SECTION	LOCATION
---------	----------

COUNTY	Kendall	DRILLING RIG	North 1829775.814, East 989484.7561	HAMMER TYPE	Auto
		DRILLING METHOD	CME-75	HAMMER EFF (%)	91
			HSA		

STRUCT. NO. _____ Station _____	D E P T H	B L O W S	U C S Qu	M O I S T (%)	Surface Water Elev. _____ N/A ft
					Stream Bed Elev. _____ N/A ft
BORING NO. _____ SGB-08 Station _____ 169+99.23 Offset _____ 17.22ft LT					Groundwater Elev.: _____
Ground Surface Elev. _____ 666.28 ft					First Encounter _____ None ft Upon Completion _____ N/A ft After _____ Hrs. _____ N/A ft

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Page 1 of 1

Date 6/7/21

ROUTE	<u>Wolf's Crossing Road</u>	DESCRIPTION	<u></u>	LOGGED BY	<u>EH</u>
--------------	-----------------------------	--------------------	---------	------------------	-----------

SECTION _____ LOCATION Offset 15 feet West

COUNTY	Kendall	DRILLING RIG DRILLING METHOD	North 1829610.009, East 988337.4544	
			CME-75	HAMMER TYPE
			HSA	HAMMER EFF (%)
				91

STRUCT. NO. _____ Station _____	D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev. _____ N/A ft Stream Bed Elev. _____ N/A ft
BORING NO. _____ SGB-09 Station _____ 158+40.30 Offset _____ 12.63ft LT Ground Surface Elev. _____ 661.61 ft	(ft)	(/6")	(tsf)	(%)	Groundwater Elev.: First Encounter _____ None ft Upon Completion _____ N/A ft After _____ Hrs. _____ N/A ft

[illegible]

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Page 1 of 1

Date 6/8/21

ROUTE Wolf's Crossing Road DESCRIPTION _____ LOGGED BY EH

SECTION _____ LOCATION _____

COUNTY	Kendall	DRILLING RIG DRILLING METHOD	North 1829462.123, East 987430.5493	
			CME-75	HAMMER TYPE
			HSA	HAMMER EFF (%)
				91

STRUCT. NO. _____ Station _____	D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev. _____ N/A ft Stream Bed Elev. _____ N/A ft
BORING NO. _____ SGB-10 Station _____ 149+20.28 Offset _____ 13.26ft LT Ground Surface Elev. _____ 655.65 ft	(ft)	(/6")	(tsf)	(%)	Groundwater Elev.: First Encounter _____ 646.7 ft ▼ Upon Completion _____ N/A ft After _____ Hrs. _____ N/A ft

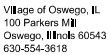
[illegible]

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)



USER NAME = tblank	DESIGNED -	REVISED -
	DRAWN - T.BLANK	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 3/25/2025	DATE - 07/04/2025	REVISED -



SOIL BORING PLANS

SCALE: N/A	SHEET 10	OF 16	SHEETS	STA.	TO STA.
------------	----------	-------	--------	------	---------

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	343
		CONTRACT NO. 87846		
ILLINOIS		FED. AID PROJECT		

Page 1 of 1

Date 6/8/21

ROUTE Wolf's Crossing Road **DESCRIPTION** _____ **LOGGED BY** EH

SECTION _____ LOCATION _____

COUNTY	Kendall	DRILLING RIG	CME-75	HAMMER TYPE	Auto
		DRILLING METHOD	HSA	HAMMER EFF (%)	91

STRUCT. NO.	D	B	U	M	Surface Water Elev.	N/A	ft
Station	E	L	C	O	Stream Bed Elev.	N/A	ft
	P	O	S	I			
BORING NO.	T	W		S	Groundwater Elev.:		
Station	H	S	Qu	T	First Encounter	None	ft
Offset					Upon Completion	N/A	ft
Ground Surface Elev.					After _____ Hrs.	N/A	ft
GSG-11							
137+81.33							
13.64ft LT							
659.69 ft	(ft)	(/6")	(tsf)	(%)			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Page 1 of 1

Date 6/8/21

ROUTE	DESCRIPTION	LOGGED BY
Wolf's Crossing Road		EH

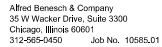
SECTION _____ LOCATION _____

COUNTY	Kendall	DRILLING RIG	CME-75	HAMMER TYPE	Auto
		DRILLING METHOD	HSA	HAMMER EFF (%)	91

STRUCT. NO. _____ Station _____	D E P T H	B L O W S	U C S Qu	M O I S T (%)	Surface Water Elev. _____ N/A ft Stream Bed Elev. _____ N/A ft
BORING NO. _____ SGB-12 Station _____ 124+44.25 Offset _____ 11.66ft LT Ground Surface Elev. _____ 657.51 ft	(ft)	(/6")	(tsf)		Groundwater Elev.: First Encounter _____ None ft Upon Completion _____ N/A ft After _____ Hrs. _____ N/A ft

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)



Village of
Oswego

Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

SOIL BORING PLANS

SCALE: N/A	SHEET 11	OF 16	SHEETS	STA.	TO STA.
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	344
		CONTRACT NO. 87846		
ILLINOIS		FED. AID PROJECT		

Page 1 of 1

Date 6/8/21

ROUTE Wolf's Crossing Road DESCRIPTION _____ LOGGED BY EH

SECTION _____ LOCATION Offset 10 feet North

COUNTY	Kendall	DRILLING RIG	CME-75	HAMMER TYPE	Auto
		DRILLING METHOD	HSA	HAMMER EFF (%)	91

STRUCT. NO. _____ Station _____	D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev. _____ N/A ft Stream Bed Elev. _____ N/A ft
BORING NO. _____ SGB-13 Station _____ 110+91.81 Offset _____ 14.23ft RT Ground Surface Elev. _____ 651.17 ft	(ft)	(/6")	(tsf)	(%)	Groundwater Elev.: First Encounter _____ None ft Upon Completion _____ N/A ft After _____ Hrs. _____ N/A ft

[illegible]

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)



USER NAME = tblank	DESIGNED -	REVISED -
	DRAWN - T.BLANK	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 3/25/2025	DATE - 07/04/2025	REVISED -



Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

SOIL BORING PLANS

SCALE: N/A	SHEET 12	OF 16	SHEETS	STA.	TO STA.
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	345
		CONTRACT NO. 87846		
ILLINOIS		FED. AID PROJECT		



INFILTRATION LOCATION

BORING LOCATION



GSG CONSULTANTS, INC.
Engineers, Scientists & Construction Managers

623 Cooper Court
Schaumburg, IL 60173
Tel: 630.994.2600
Integrity | Quality | Reliability

DRAWN BY: AK

CHECKED BY: DE

DATE: 03/14/2018

SCALE: AS NOTED



EXHIBIT 1B BORING LOCATION PLAN
WOLFS CROSSING ROAD
VILLAGE OF OSWEGO, ILLINOIS

MODEL: Boring-09 (Sheet)
FILE NAME: c:\pwworkdir\benesch_projects\projects\0190874\DWG\146-Shh-Soil Borings.dgn



Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10585.01

USER NAME = tblank	DESIGNED -	REVISED -
	DRAWN - T.BLANK	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 3/25/2025	DATE - 07/04/2025	REVISED -



Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

SOIL BORING PLANS			
SCALE: N/A	SHEET 13	OF 16 SHEETS	STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	346
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				





GSG CONSULTANTS, INC.
Engineers, Scientists & Construction Managers

623 Cooper Court
Schaumburg, IL 60173
Tel: 630.994.2600
Integrity | Quality | Reliability

DRAWN BY: AK

CHECKED BY: DE

DATE: 03/15/2018

SCALE: AS NOTED



EXHIBIT 1C BORING LOCATION PLAN
WOLFS CROSSING ROAD
VILLAGE OF OSWEGO, ILLINOIS

MODEL: Boring -10 (Sheet)
FILE NAME: c:\pwworking\benesch_projects\projects\190874\190874-Sub-Soil Borings.dgn



Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10585.01

USER NAME = tblank	DESIGNED -	REVISED -
	DRAWN - T.BLANK	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 3/25/2025	DATE - 07/04/2025	REVISED -



Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

SOIL BORING PLANS			
SCALE: N/A	SHEET 14	OF 16 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	347
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

MODEL: Boring -11 (Sheet)
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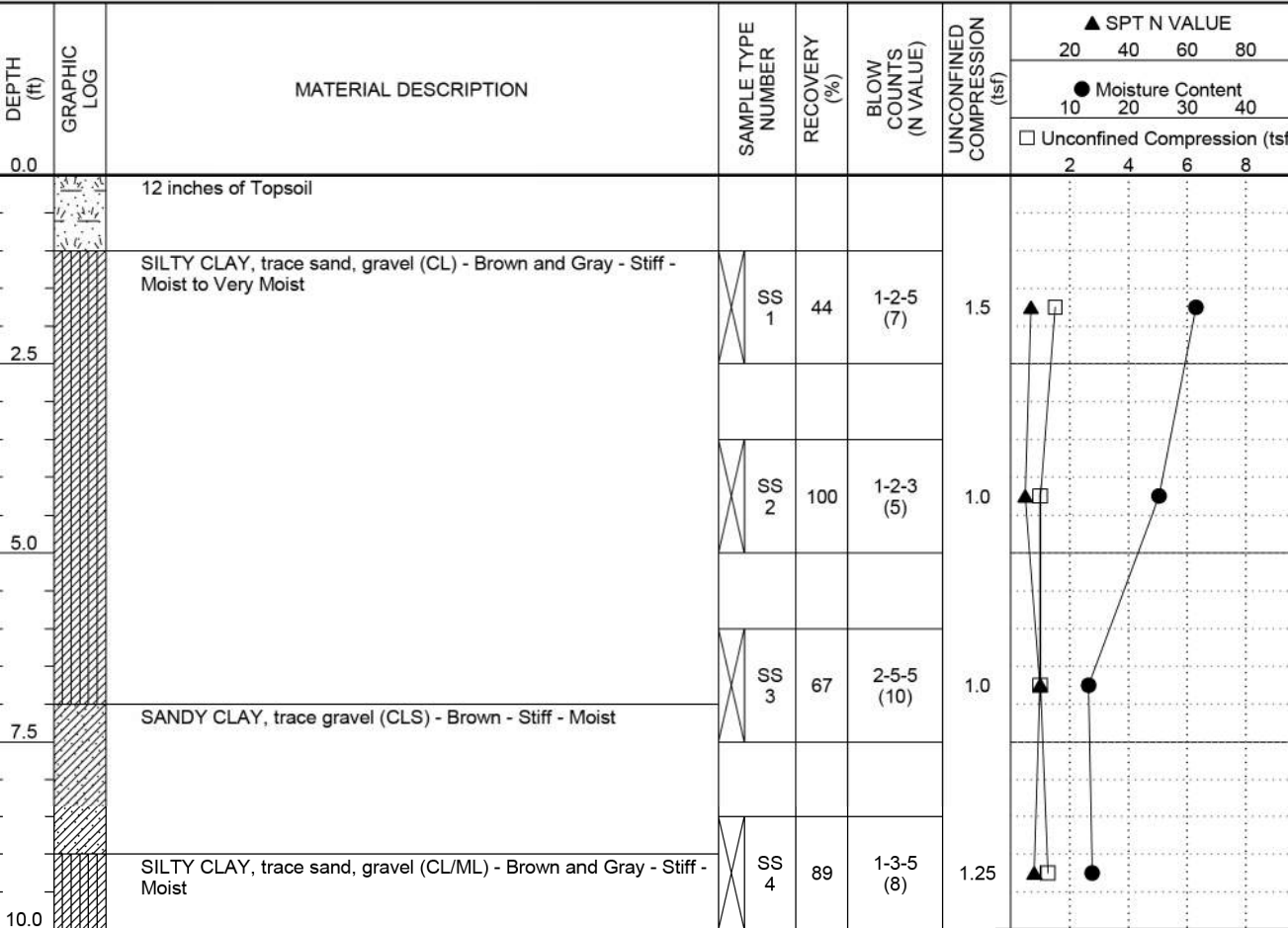


GSG Consultants Inc.
623 Cooper Court
Schaumburg, IL 60173
Telephone: 312-733-6262
Fax: 312-733-5612

BORING NUMBER SGB-06

PAGE 1 OF 1

CLIENT Benesch	PROJECT NAME Wolfs Crossing Road
PROJECT NUMBER 17-2044	PROJECT LOCATION Oswego, Illinois
DATE STARTED 1/31/18 COMPLETED 1/31/18	GROUND ELEVATION 661.00 ft HOLE SIZE 2 1/4"
DRILLING CONTRACTOR GSG Drilling	GROUND WATER LEVELS:
DRILLING METHOD HSA	AT TIME OF DRILLING --- None
LOGGED BY IM CHECKED BY YB	AT END OF DRILLING --- N/A
NOTES Elevation derived from Google Earth	AFTER DRILLING --- N/A



Bottom of borehole at 10.0 feet.

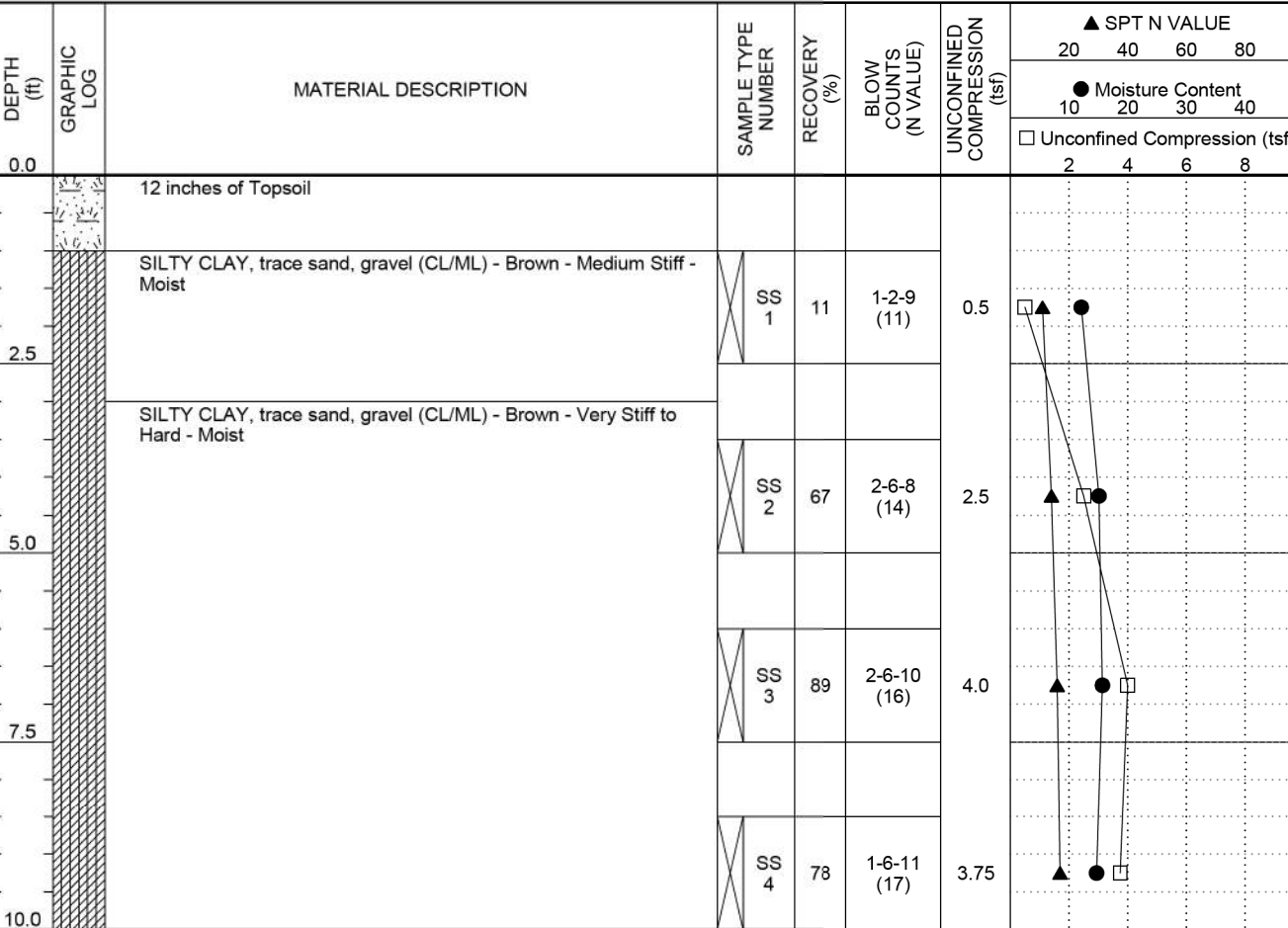


GSG Consultants Inc.
623 Cooper Court
Schaumburg, IL 60173
Telephone: 312-733-6262
Fax: 312-733-5612

BORING NUMBER SGB-07

PAGE 1 OF 1

CLIENT Benesch	PROJECT NAME Wolfs Crossing Road
PROJECT NUMBER 17-2044	PROJECT LOCATION Oswego, Illinois
DATE STARTED 1/31/18 COMPLETED 1/31/18	GROUND ELEVATION 672.00 ft HOLE SIZE 2 1/4"
DRILLING CONTRACTOR GSG Drilling	GROUND WATER LEVELS:
DRILLING METHOD HSA	AT TIME OF DRILLING --- None
LOGGED BY IM CHECKED BY YB	AT END OF DRILLING --- N/A
NOTES Elevation derived from Google Earth	AFTER DRILLING --- N/A



Bottom of borehole at 10.0 feet.



USER NAME = tblank	DESIGNED -	REVISED -
	DRAWN - T.BLANK	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 3/25/2025	DATE - 07/04/2025	REVISED -



Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

SOIL BORING PLANS

SCALE: N/A SHEET 15 OF 16 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	348
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				



PAGE 1 OF 1

PROJECT NAME Wolfs Crossing Road

PROJECT LOCATION Oswego, Illinois

GROUND ELEVATION 677.00 ft **HOLE SIZE** 2 1/4"

GROUND WATER LEVELS:

▽ **AT TIME OF DRILLING** 9.00 ft / Elev 668.00 ft

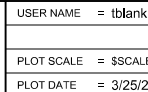
AT END OF DRILLING --- None

AFTER DRILLING --- None



Bottom of borehole at 10.0 feet.

MODEL: Boring -12 [Sheet]
FILE NAME: c:\pwwordir\benesch projects\projects\d0190874\ID387846-Sht-Soil Borings.dgn



DESIGNED	-	
DRAWN	-	T.BLANK
CHECKED	-	
DATE	-	07/04/2

REVISED	-
REVISED	-
REVISED	-
REVISED	-



SCALE: N/A	SHEET 16	OF 16	SHEETS	STA.	TO STA.
------------	----------	-------	--------	------	---------

PAGE 1 OF 1

PROJECT NAME Wolfs Crossing Road

PROJECT LOCATION Oswego, Illinois

GROUND ELEVATION 667.00 ft **HOLE SIZE** 2 1/4"

GROUND WATER LEVELS:

AT TIME OF DRILLING --- None

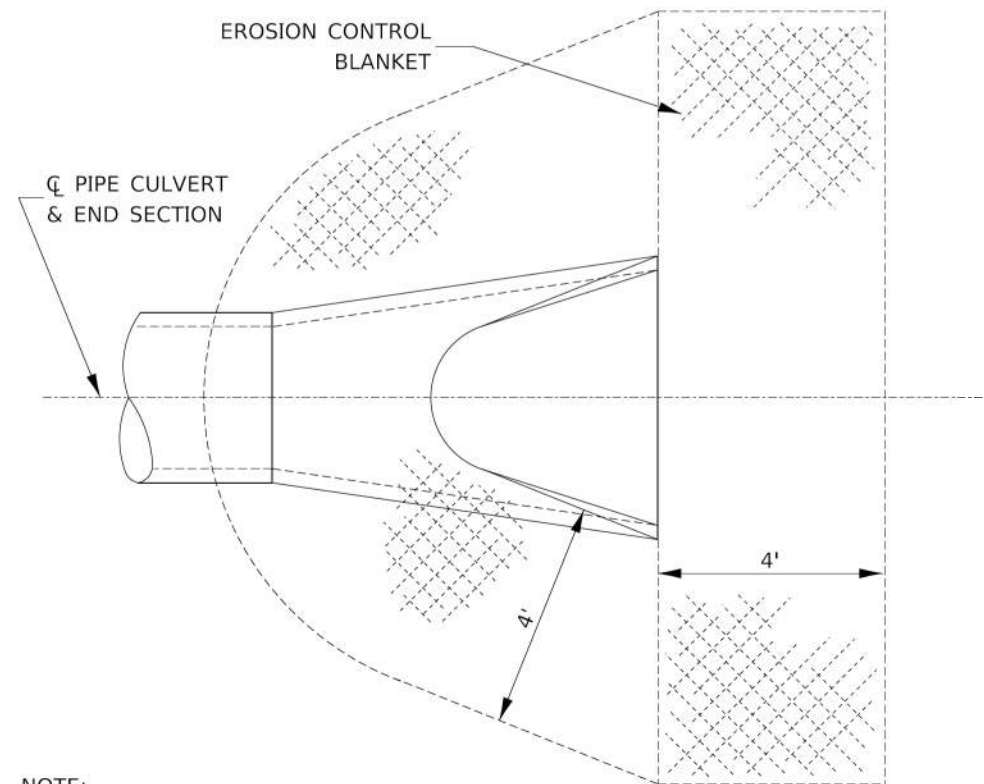
AT END OF DRILLING --- N/A

AFTER DRILLING --- N/A



Bottom of borehole at 15.0 feet.

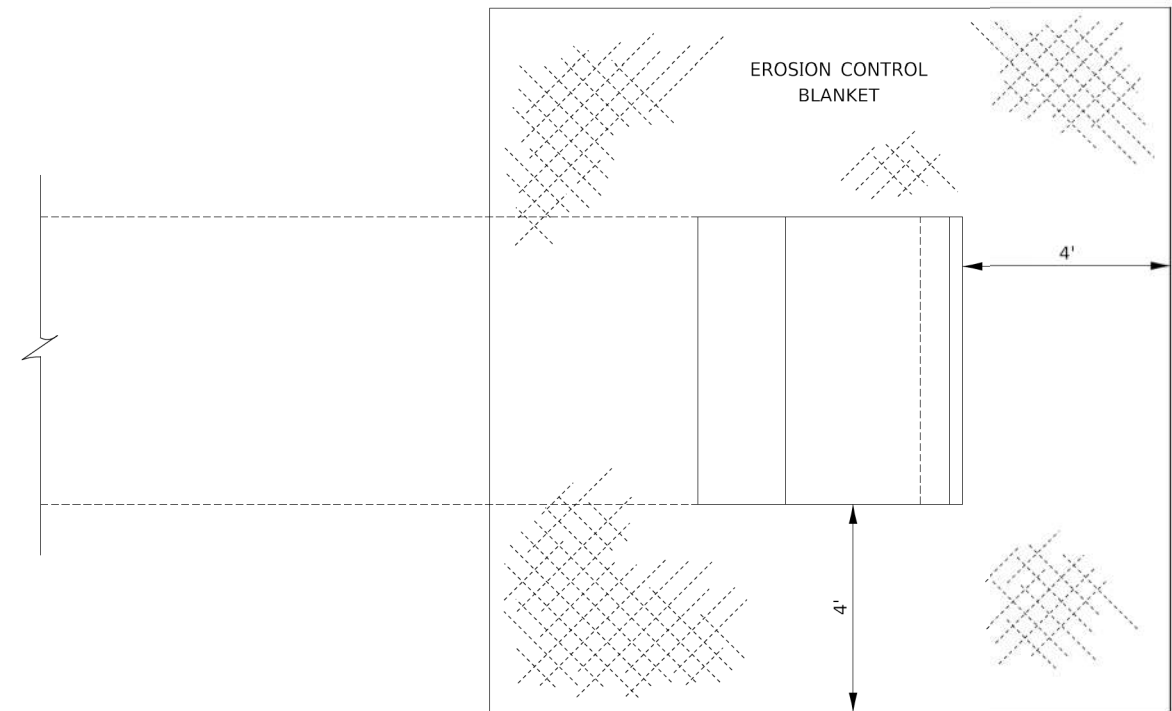
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	349
		CONTRACT NO. 87846		
ILLINOIS		FED. AID PROJECT		



NOTE:
TO BE USED AT ALL END SECTIONS

DETAIL OF EROSION CONTROL BLANKET LINING AROUND END SECTION

251-2



EROSION CONTROL BLANKET AT PRECAST BOX CULVERT END SECTIONS

251-5

MODEL: D3 Standards-01 [Sheet]
FILE NAME: c:\pwworkdir\benesch_projects\projects\181958\181958-D3 Standards-01.dgn



USER NAME	= tblank	DESIGNED	-	REVISED	-
DRAWN	- T.BLANK	CHECKED	-	REVISED	-
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PLOT DATE	= 3/25/2025				

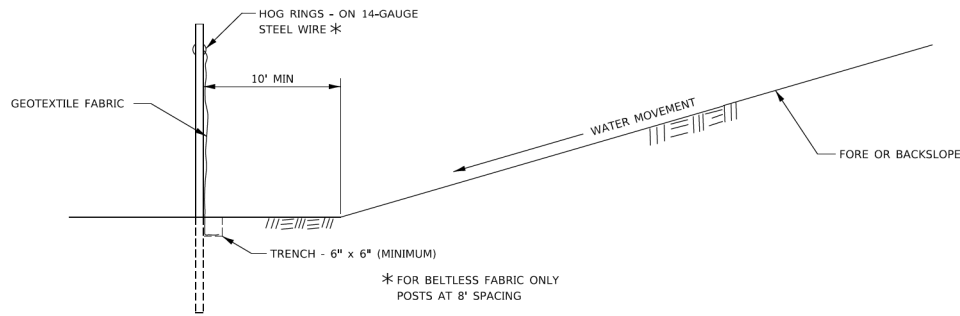
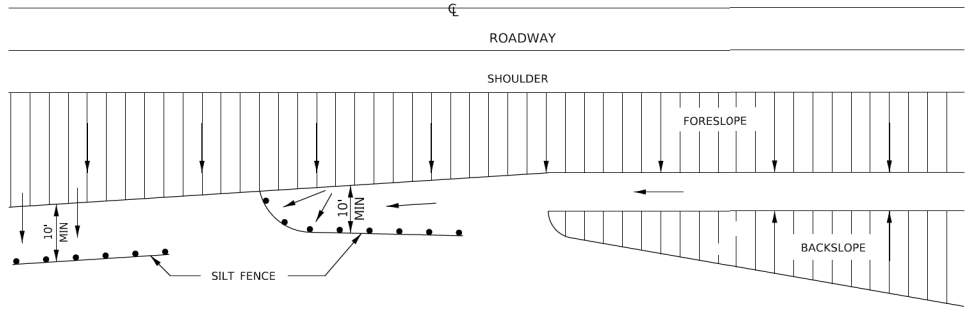


Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

D3 DETAILS

SCALE: N/A SHEET 1 OF 11 SHEETS STA. TO STA.

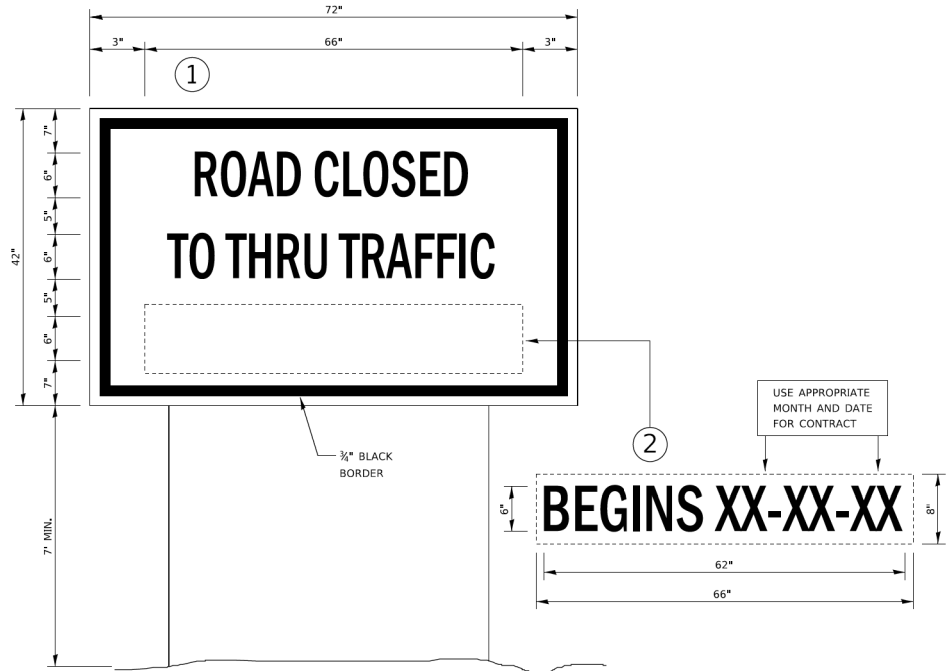
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	350
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				



DETAILS OF SILT FENCE

EROSION CONTROL DETAILS
FOR SILT FENCE

280-1



TEMPORARY INFORMATION SIGNING

- NOTES:
1. USE 6" D BLACK LETTERING ON FLUORESCENT ORANGE BACKGROUND.
 2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
 3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE ROAD CLOSURE.
 4. REMOVE PANEL ② ON THAT DATE.
 5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
 6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

720-11

MODEL: D3 Standards-02 [Sheet]
FILE NAME: c:\pwworkdir\benesch_projects\projects\0181958\0387446-Sh-Standards.dgn



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PLOT DATE = 3/25/2025	DATE - 07/04/2025	REVISED -

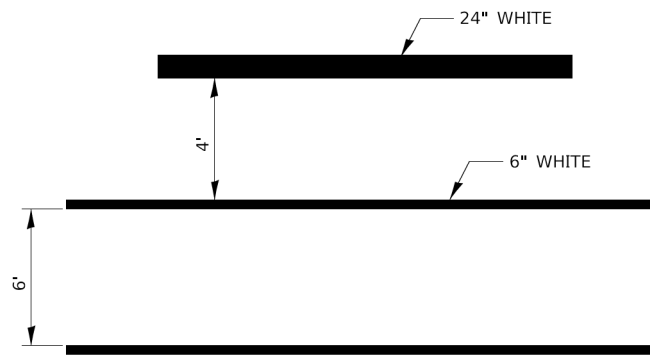


Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

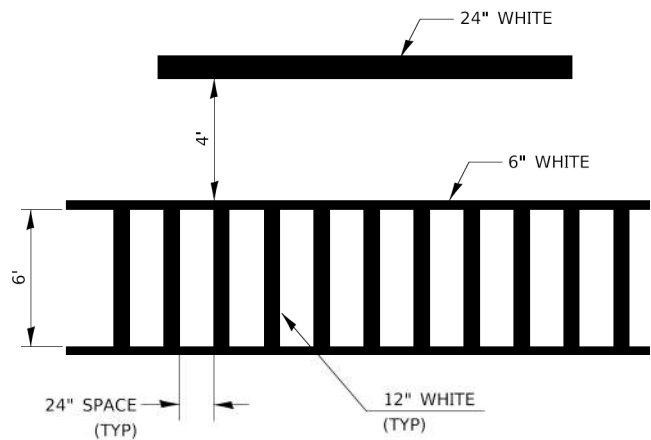
D3 DETAILS

SCALE: N/A SHEET 2 OF 11 SHEETS STA. TO STA.

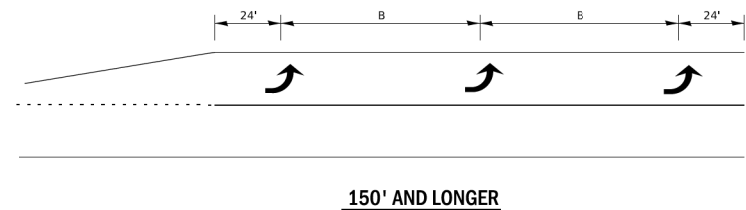
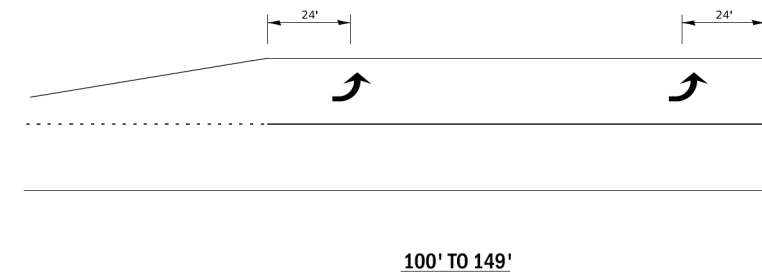
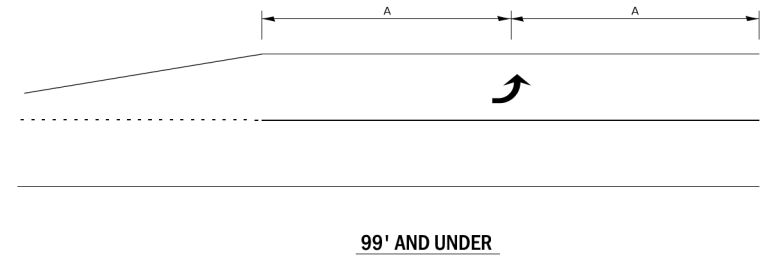
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	351
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				



TYPICAL SPACING DETAIL FOR
CROSSWALKS AND STOP BARS
780-3
OPTION 1



TYPICAL SPACING DETAIL FOR
CROSSWALKS AND STOP BARS
780-3
OPTION 2



TYPICAL PLACEMENT OF ARROWS
IN TURN LANES
780-10

MODEL: D3 Standards-03 [Sheet]
FILE NAME: c:\pwworkdir\benesch_projects\projects\0181958\0387446-Shh-Standards.dgn



USER NAME	= afaulkner	DESIGNED	-	REVISED	-
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PLOT DATE	= 3/10/2025	CHECKED	-	REVISED	-
		DATE	- 07/04/2025	REVISED	-



Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

D3 DETAILS

SCALE: N/A SHEET 3 OF 11 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	352
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

MODEL: Oswego Det-01 (Sheet)
FILE NAME: c:\paward\benesch_projects\projects\0181958\0387446-Shh-Standards.dgn



USER NAME	= tblank	DESIGNED	-	REVISED	-
		DRAWN	- T.BLANK	REVISED	-
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PLOT DATE	= 3/25/2025	DATE	- 07/04/2025	REVISED	-



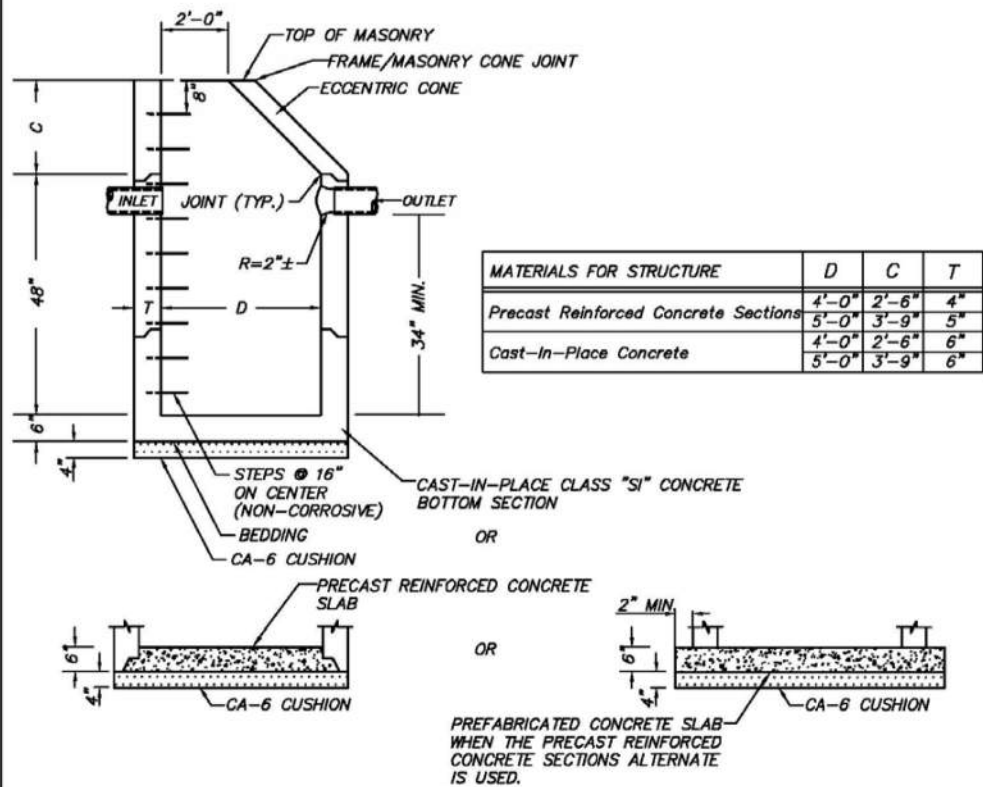
Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

VILLAGE OF OSWEGO DETAILS

SCALE: N/A SHEET 1 OF 11 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	353
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

CATCH BASIN TYPE A



All Catch Basins shall be 4'-0" in diameter unless otherwise noted on plans.

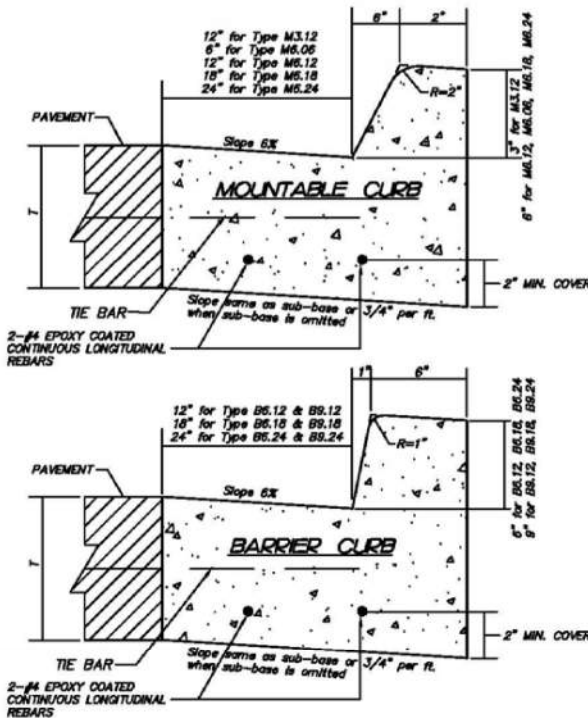
In addition to the requirements the standard Specifications the contract unit price for Catch Basins, Type A shall include the CA-6 cushion when required, furnishing and placing steps when required, and furnishing and compacting the specified backfill material.

Dimension "C" for Precast Reinforced Concrete sections may vary from the dimension given to plus 6 inches.

External chimney seal to be installed on catch basin frame/masonry cone joint. (Not required for catch basins in grassy areas).

OSW-SS-2

CONCRETE CURB AND GUTTER DETAIL



THICKNESS - T - Thickness of pavement. When curb & gutter is constructed adjacent to flexible pavement, the vertical thickness of the gutter flag shall be 9". Also, tie bars shall be omitted.

DRAINAGE OPENINGS - At all locations where metal casings are to be incorporated in the curb and gutter, a 1" thick preformed joint filler, conforming to the cross sections of the curb and gutter, shall be installed in the curb and gutter a distance of 10 ft. from each side of the metal casing. When the width of the metal casing is less than the width of the curb and gutter, 2 - No. 4 continuous long rebars & reverse pitch (L = 12" + casing length + 12") shall be incorporated in the continuous portion of concrete gutter in front of the casing.

TRANSITIONS - The transition from full height curb to depressed curb shall be made at the rate of 3" per foot of length or flatter.

JOINTS - In addition to the requirements of the Standard Specifications, joints shall be constructed as follows.

Contraction joints and expansion joints shall be installed in the curb and gutter in prolongation with joints in adjacent P.C.C. pavement or base course.

When curb and gutter is constructed adjacent to flexible pavement, a 1" thick preformed expansion joint filler, conforming to the cross section of the curb and gutter shall be installed at points of curvature for short radius curves and at construction joints. Contraction joints shall be placed between expansion joints at distances not to exceed 10 feet.

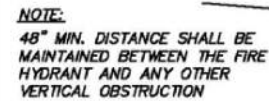
All expansion joints shall be provided with a 1 1/4 dia. X 18" epoxy coated dowel bar conforming to the Standard Specifications. The dowel bar shall be fitted with a cap having a pinched stop that will provide 1" of expansion.

All construction joints shall be provided with 1/2" dia. deformed epoxy coated steel tie bars 30' long conforming to AASHTO M-31 of M-53. Tie bars shall be placed on 9'± centers (minimum 2 per joint).

OSW-R-9

GLOW MEDALLION TYPE HYDRANT (5-1/4" BARREL)

ALL AMERICAN FLOW CONTROL VALVES & HARDWARE AUXILIARY
VALVE 6" GATE VALVE NO. A-2370-20 MODIFIED WEDGE RESILIENT SEAT
USE WATEROUS PACER WB-67-250 HYDRANT 6" TRENCH
DEPTH, 6" MJ SHOE, 1-1/2" PENTAGON OPERATING NUT,
OPEN LEFT, NATIONAL STANDARD NOZZLES, PAINTED RED



PROVIDE CONCRETE BASE
AND BLOCKING AGAINST
UNDISTURBED EARTH

DRAIN SUMP TO BE
3/4 C.Y. OF 3/4"
WASHED STONE—

CONCRETE
SUPPORT

CONCRETE BLOCK OR BRICK SUPPORT

PIPE AS REQUIRED TO MAINTAIN 24" SEPARATION AS SHOWN
(DIRECT MECHANICAL JOINT CONNECTION IF APPROVED BY
VILLAGE ENGINEER OR PUBLIC WORKS DEPARTMENT)

NOTE:

FIRE HYDRANTS SHALL BE PLACED APPROXIMATELY 300 FEET APART. LOCATION OF HYDRANTS MUST BE APPROVED BY VILLAGE ENGINEER OR PUBLIC WORKS DEPARTMENT.

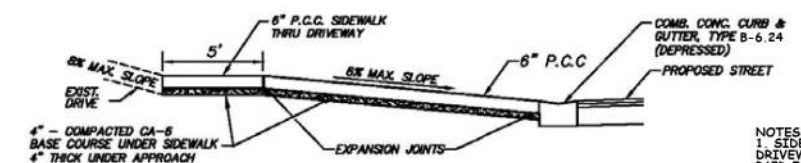
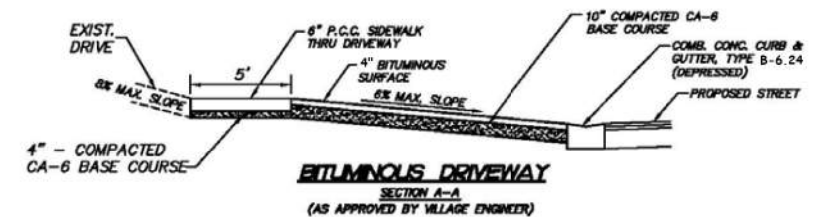
OSW-W-5

REVISIONS	
INITIAL	DATE
JPH	MARCH 2007

Diagram illustrating the plan view of a depressed curb and gutter section. Key dimensions and labels include:

- Top width: 10' MIN. 20' MAX.
- Top width segments: 10' and 10'.
- Right side label: ROW LINE.
- Right side label: 5' P.C.C. SIDEWALK.
- Center label: FULL DEPTH EXPANSION JOINT IF P.C.C.
- Center label: & DRIVEWAY.
- Right side label: VARIABLE (indicating depth).
- Bottom left label: BEGIN DEPRESSED CURB TRANSITION.
- Bottom width: 16' MIN. 26' MAX.
- Section line A-A is indicated on both the top and bottom edges.

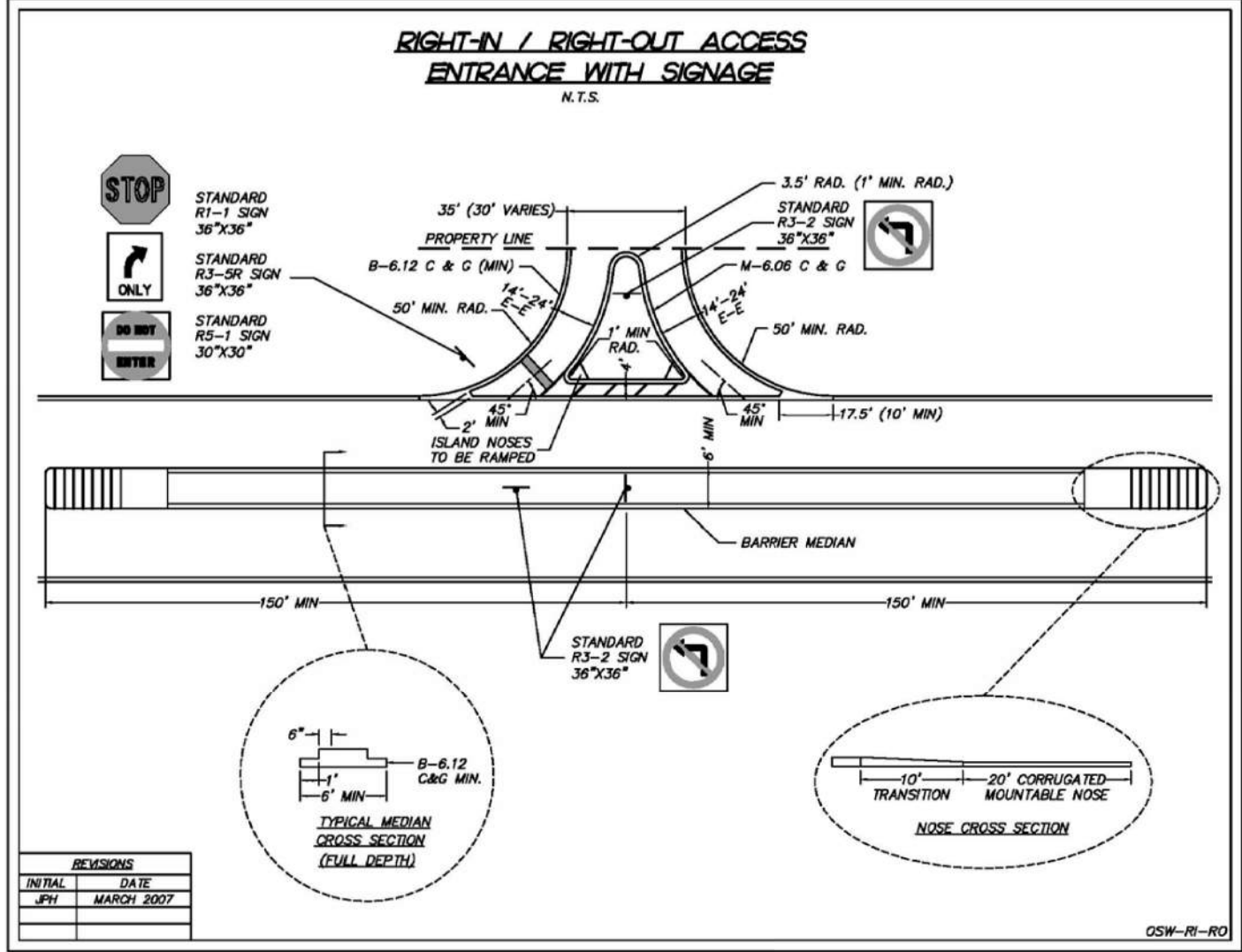
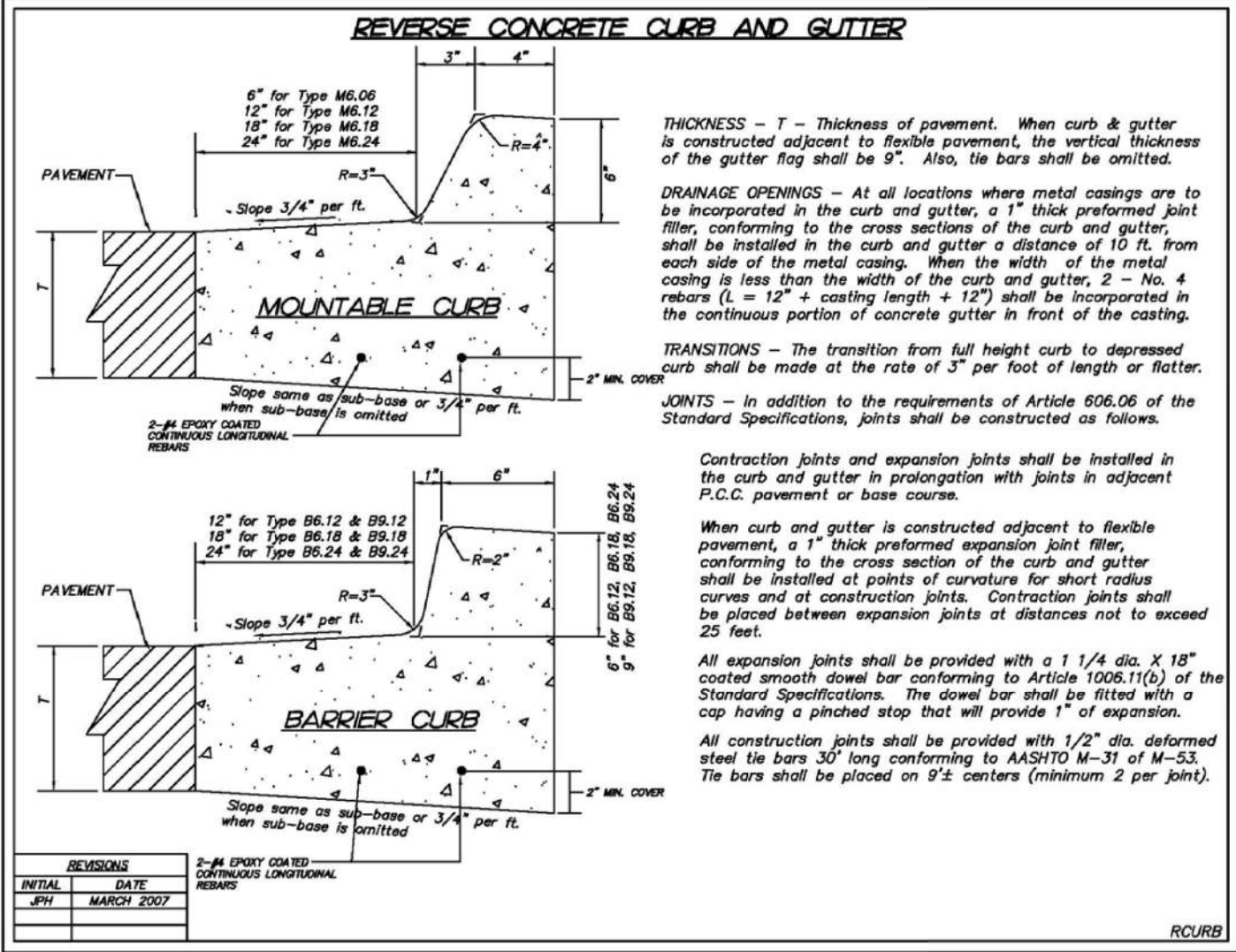
- ▲ - TRANSITION FROM FULL CURB IN 2 LINEAL FEET.
- DRIVEWAY APPROACH SHALL MEET CURB AND GUTTER AT A POINT BETWEEN FULL CURB AND ONE-HALF CURB HEIGHT.
- DRIVEWAY FLARE SHALL BE SYMMETRIC ABOUT THE DRIVEWAY CENTERLINE UNLESS OTHERWISE APPROVED BY THE ENGINEER.



NOTES:
1. SIDEWALK THROUGH DRIVEWAY SHALL BE PAID FOR AS PCC CONCRETE SIDEWALK, 5"
2. DEPRESSED CURB AND GUTTER SHALL BE PAID FOR AS COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24

SW-R-2

REVISIONS	
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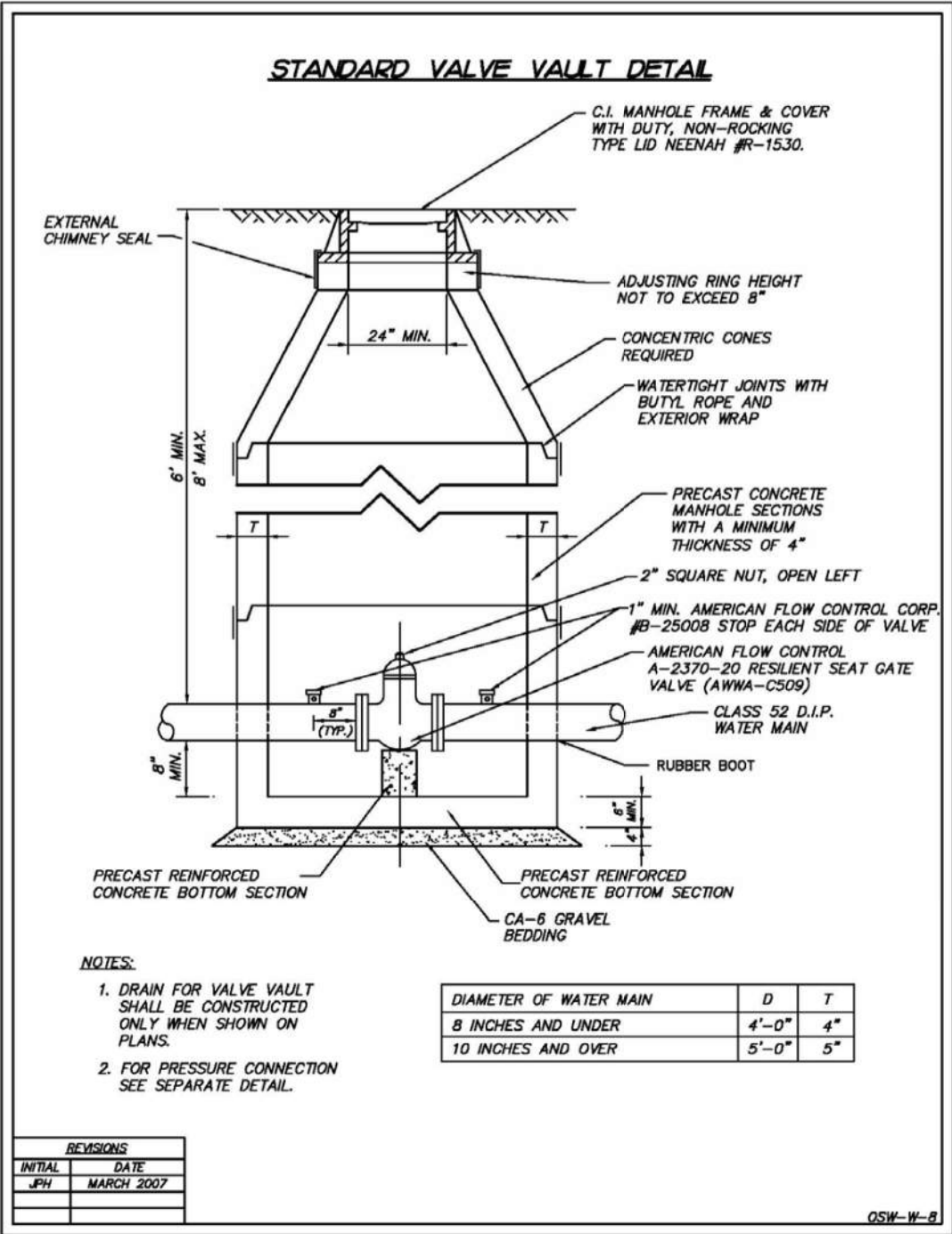
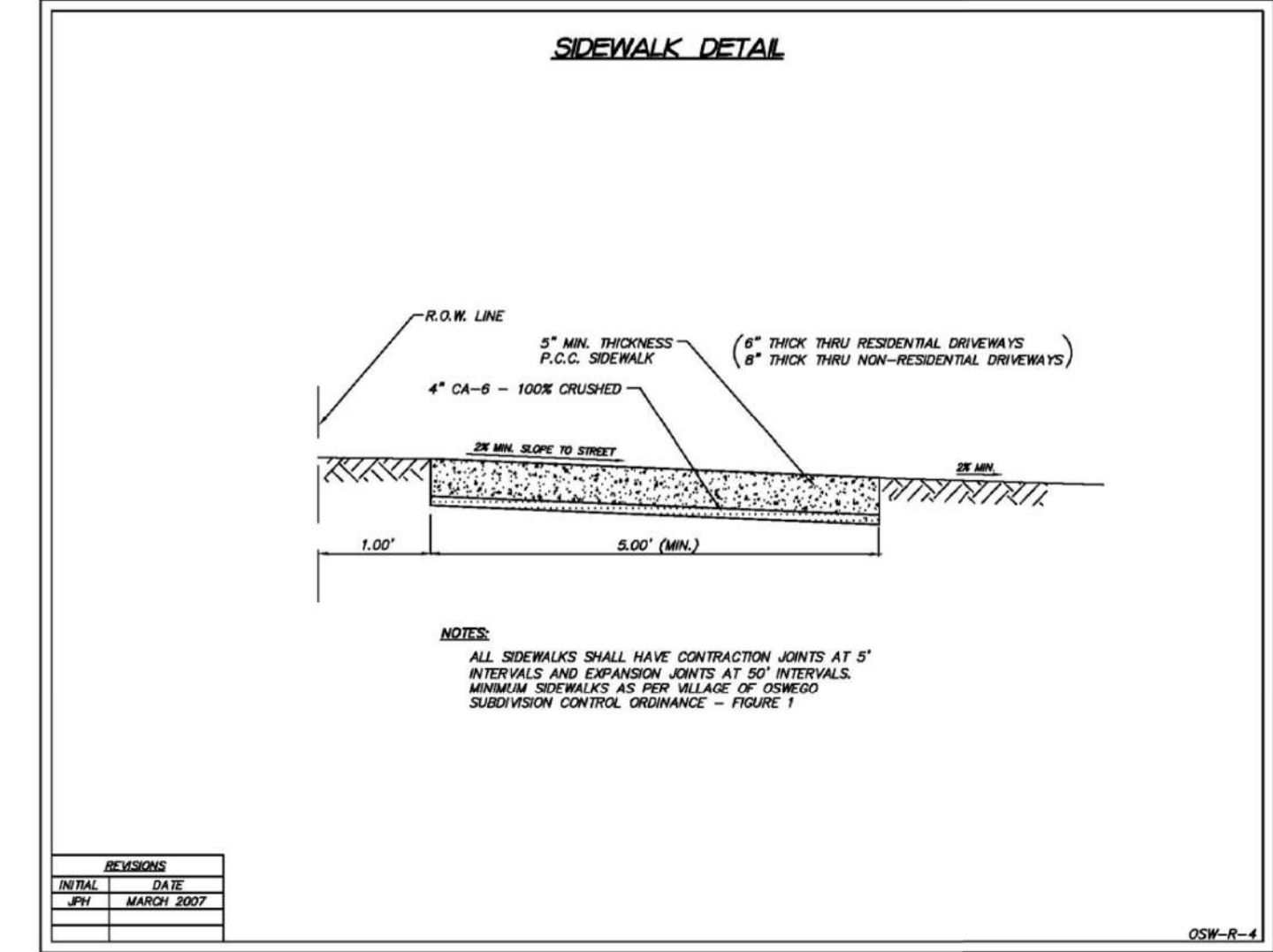
Village of Oswego, IL
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Oswego, Illinois 60543
630-554-3618

VILLAGE OF OSWEGO DETAILS

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

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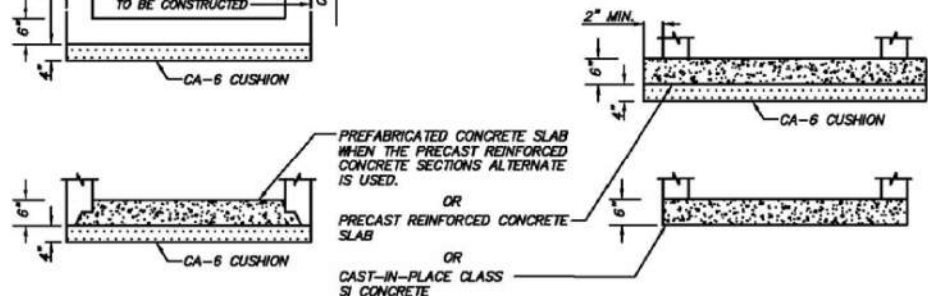
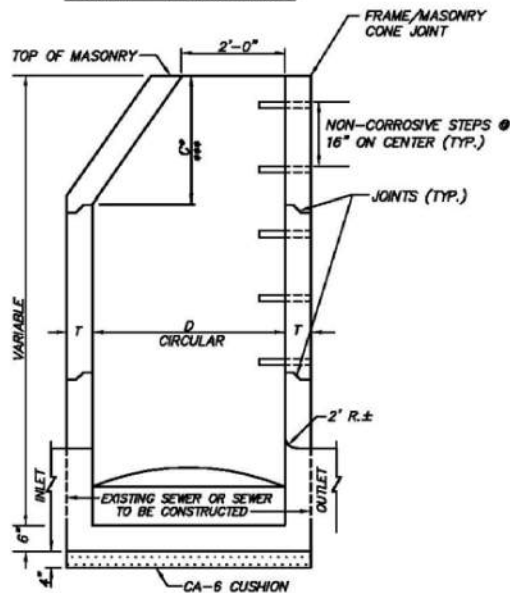
VILLAGE OF OSWEGO DETAILS

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CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

STORM MANHOLE DETAIL TYPE A

PLAN - ECCENTRIC



REVISIONS	
INITIAL	DATE
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MATERIALS FOR STRUCTURE	D	C	T (MIN)
PRECAST REINFORCED CONCRETE SECTIONS	4'-0"	2'-8"	4"
CAST-IN-PLACE CONCRETE SECTIONS	5'-0"	3'-9"	5"

NEENAH No. R-1712 (CLOSED LID)
NEENAH No. R-2502 (OPEN LID)

NOTES:

CONCRETE SECTIONS MAY VARY FROM THE
DIMENSION GIVEN TO PLUS 6 INCHES.

* DIMENSION "C" FOR PRECAST REINFORCED
HEREON ARE TYPICAL. STEPS OF OTHER
DESIGN AND MATERIAL THAT WILL CONFORM
TO THE MINIMUM REQUIREMENTS OF THE
STEPS SHOWN, MAY BE USED WHEN
APPROVED BY THE ENGINEER.

*** FOR OPTIONAL PRECAST CONCRETE
FLAT SLAB TOP REFER TO STANDARD 602601
IN ADDITION TO THE REQUIREMENTS OF
ART. 602 OF THE STANDARD

FOR MANHOLES, TYPE A SHALL INCLUDE
THE CA-6 CUSHION WHEN REQUIRED,
FURNISHING AND INSTALLING STEPS WHEN
REQUIRED, AND FURNISHING AND
COMPACTING THE SPECIFIED BACKFILL
SPECIFICATIONS, THE CONTRACT UNIT PRICE
MATERIAL.

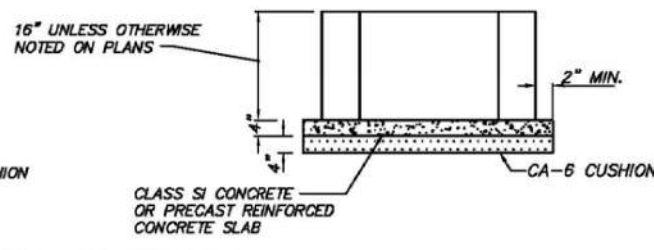
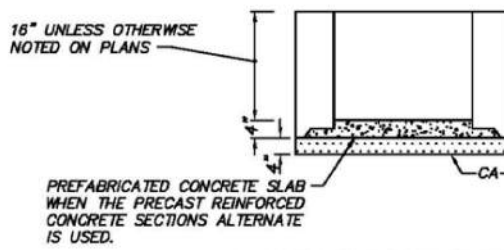
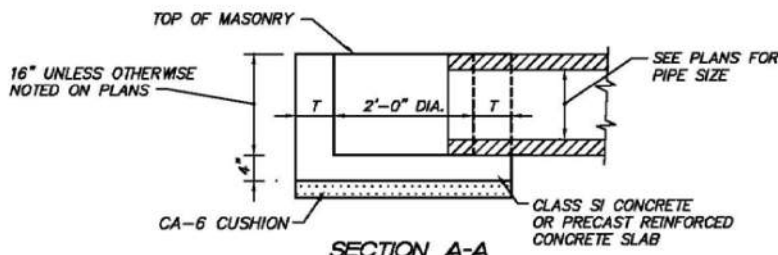
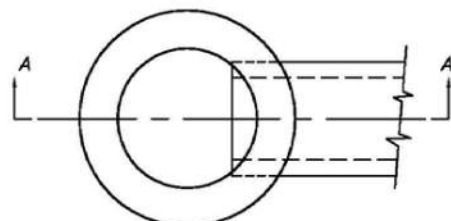
NON-CORROSIVE PLASTIC COATED CAST
IRON STEPS SHALL BE GRAY IRON
CONFORMING TO THE REQUIREMENTS OF
ART. 1006.14 OF THE STANDARD SPECIFICATIONS.

STEPS SHALL BE EMBEDDED INTO WALL A
MINIMUM OF 3 INCHES. STEPS SHALL NOT BE
EXTENDED ON THE OUTSIDE.

EXTERNAL CHIMNEY SEAL TO BE INSTALLED
ON MANHOLE FRAME/MASONRY CONE JOINT.
(NOT REQUIRED FOR STORM MANHOLES IN
GRASSY AREAS).

OSW-SS-0

STORM INLET TYPE A



REVISIONS	
INITIAL	DATE
JPH	MARCH 2007

IN ADDITION TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS,
THE CONTRACT UNIT PRICE FOR INLET, TYPE A SHALL INCLUDE THE
CA-6 CUSHION, WHEN REQUIRED, AND FURNISHING AND COMPACTING
OF THE SPECIFIED BACKFILL MATERIAL.

OSW-SS-1

CASTING SCHEDULE	
LOCATION	NEENAH, OR APPROVED EQUAL
B OR M6.12 C&G	R-3281-A
DEPRESSED CURB	R-3506-AZ
NON-PAVED	R-4340-B

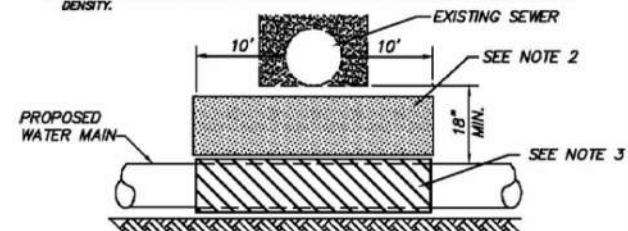
MATERIALS FOR STRUCTURE	T
PRECAST REINFORCED CONCRETE SECTIONS	3"
CAST-IN-PLACE CONCRETE	6"

- ① Trench backfill under pavement, curb and gutter as indicated in road subgrades and within 2 feet of any proposed curb and gutter or sidewalk. Mechanically compacted backfill of excavated materials in other locations if approved by the Village Engineer. Refer to trench backfill special provisions for materials and compaction requirements.
- ② WATER MAIN, FORCE MAIN (C.I.P.)
Compacted granular material CA-7 to 4" above top of pipe.
- ② SANITARY SEWER (PVC)
Compacted granular material CA-7 to 12" above top of pipe (also see note #1 below).
- ② STORM SEWER
Compacted granular backfill material CA-7 to spring line of pipe
- ③ 4" compacted granular bedding, CA-7 gradation.
- ④ Unsuitable material to be removed where directed by Engineer and replaced with suitable material and compacted.
- ⑤ Trench Width - Pipe O.D. + 12" minimum
Pipe O.D. + 18" maximum

1. PVC pipe conforming to the SDR specified in the plans shall be installed to the latest revised specification requirements of ASTM D-2323 using either compacted Class or Class II granular embankment materials for bedding, haunching and initial backfill of 12 inches over the top of pipe to provide the necessary support for the pipe so that the maximum deflection does not exceed 5% of the pipe's original internal diameter.
2. All CA-7 to be IDOT approved or meet IDOT specifications.

<u>REVISIONS</u>	
INITIAL	DATE
JPH	MARCH 2007

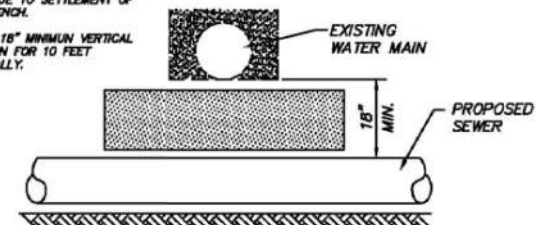
1. OMIT SELECT GRANULAR CRADLE AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF PIPE AND USE SELECT EXCAVATED MATERIAL (CLASS II) AND COMPACT FOR 10 FEET ON EITHER SIDE OF SENDER LINE.
2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS II) AND COMPACT.
3. PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.
4. CLASS IV MATERIAL SHALL BE COMPACTED TO 85% OF STANDARD PROCTOR MAXIMUM DENSITY.



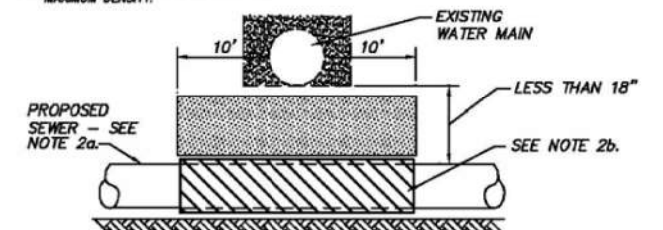
REVISIONS	
INITIAL	DATE
JPH	MARCH 2007

OSW-U-4

1. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH.
2. MAINTAIN 18" MINIMUM VERTICAL SEPARATION FOR 10 FEET HORIZONTALLY.



1. OMIT SELECT GRANULAR CRADLE AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF PIPE AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT FOR 10 FEET ON EITHER SIDE OF WATER MAIN.
- 2a. CONSTRUCT TO FEET OF PROPOSED SEWER WITH WATERMAIN QUALITY PIPE AND PRESSURE TEST, OR:
- 2b. USE 10 FEET OF CASING FOR PROPOSED SEWER AND SEAL ENDS OF CASING.
3. POINT LOADS SHALL NOT BE ALLOWED BETWEEN SEWER OR SEWER CASING AND WATER MAIN.
4. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH.
5. CLASS IV MATERIAL TO BE COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY.

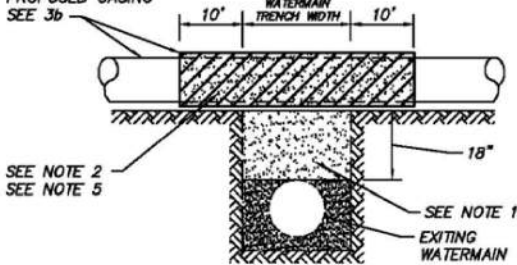


WATER AND SEWER SEPARATION
REQUIREMENTS DETAIL

EXISTING WATERMAIN BELOW PROPOSED SEWER LINE WITH 18" MINIMUM SEPARATION.

NOTE: CLASS IV MATERIAL TO BE COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY.

PROPOSED SEWER
SEE 3a, OR
PROPOSED CASING
SEE 3b

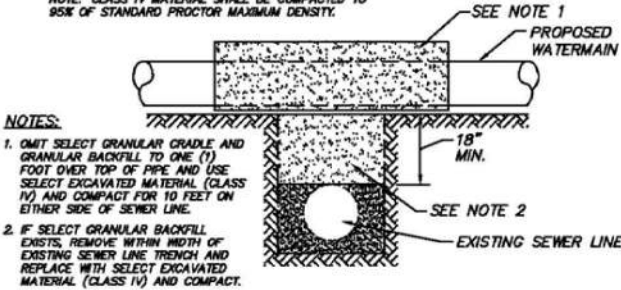


NOTES:

1. IF SELECT GRANULAR BACKFILL EXISTS; REMOVE WITHIN WIDTH OF PROPOSED SEWER TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
2. OMIT SELECT GRANULAR CRADLE AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF PIPE AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT FOR 10 FEET ON EITHER SIDE OF WATER MAIN.
3. a. CONSTRUCT 10 FEET OF PROPOSED SEWER WITH WATERMAIN QUALITY PIPE AND PRESSURE TEST, OR;
b. USE 10 FEET OF CASING FOR PROPOSED SEWER AND SEAL ENDS OF CASING.
4. POINT LOADS SHALL NOT BE ALLOWED BETWEEN SEWER OR SEWER CASING AND WATER MAIN.
5. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATERMAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH.

PROPOSED WATERMAIN ABOVE EXISTING SEWER LINE WITH 18" MINIMUM SEPARATION.

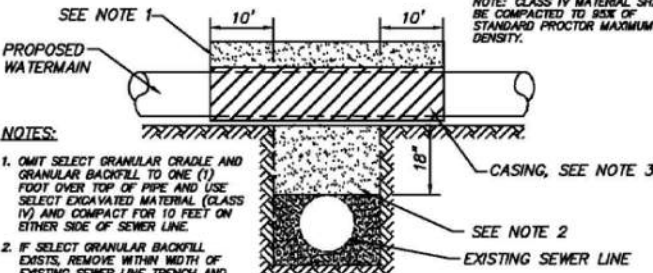
NOTE: CLASS IV MATERIAL SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY.



NOTES:

1. OMIT SELECT GRANULAR CRADLE AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF PIPE AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT FOR 10 FEET ON EITHER SIDE OF SEWER LINE.
2. IF SELECT GRANULAR BACKFILL EXISTS; REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.

PROPOSED WATER MAIN ABOVE EXISTING SEWER LINE WITH LESS THAN 18" SEPARATION.



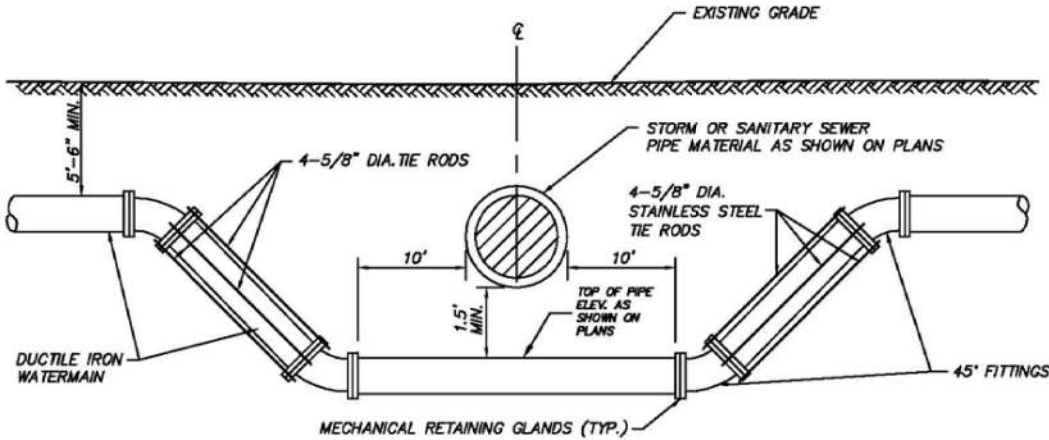
NOTES:

1. OMIT SELECT GRANULAR CRADLE AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF PIPE AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT FOR 10 FEET ON EITHER SIDE OF SEWER LINE.
2. IF SELECT GRANULAR BACKFILL EXISTS; REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
3. USE A CASING FOR PROPOSED WATER MAIN AND SEAL ENDS OF CASING.
4. POINT LOADS SHALL NOT BE ALLOWED BETWEEN WATER MAIN OR WATERMAIN AND SEWER.

▲ TAKEN FROM THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS - SEE PAGES 158-159.

OSW-U-5

WATER MAIN LOWERING DETAIL



NOTE : VILLAGE APPROVED MECHANICAL RETAINING GLANDS CAN BE USED IN-LIEU OF STAINLESS STEEL TIE RODS. NO HYDRANTS OR VALVE VAULTS CAN BE LOCATED WITHIN DEPRESSED SECTION OF WATERMAIN.

OSW-W-6

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benesch

Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
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312-565-0450 Job No. 10585.01

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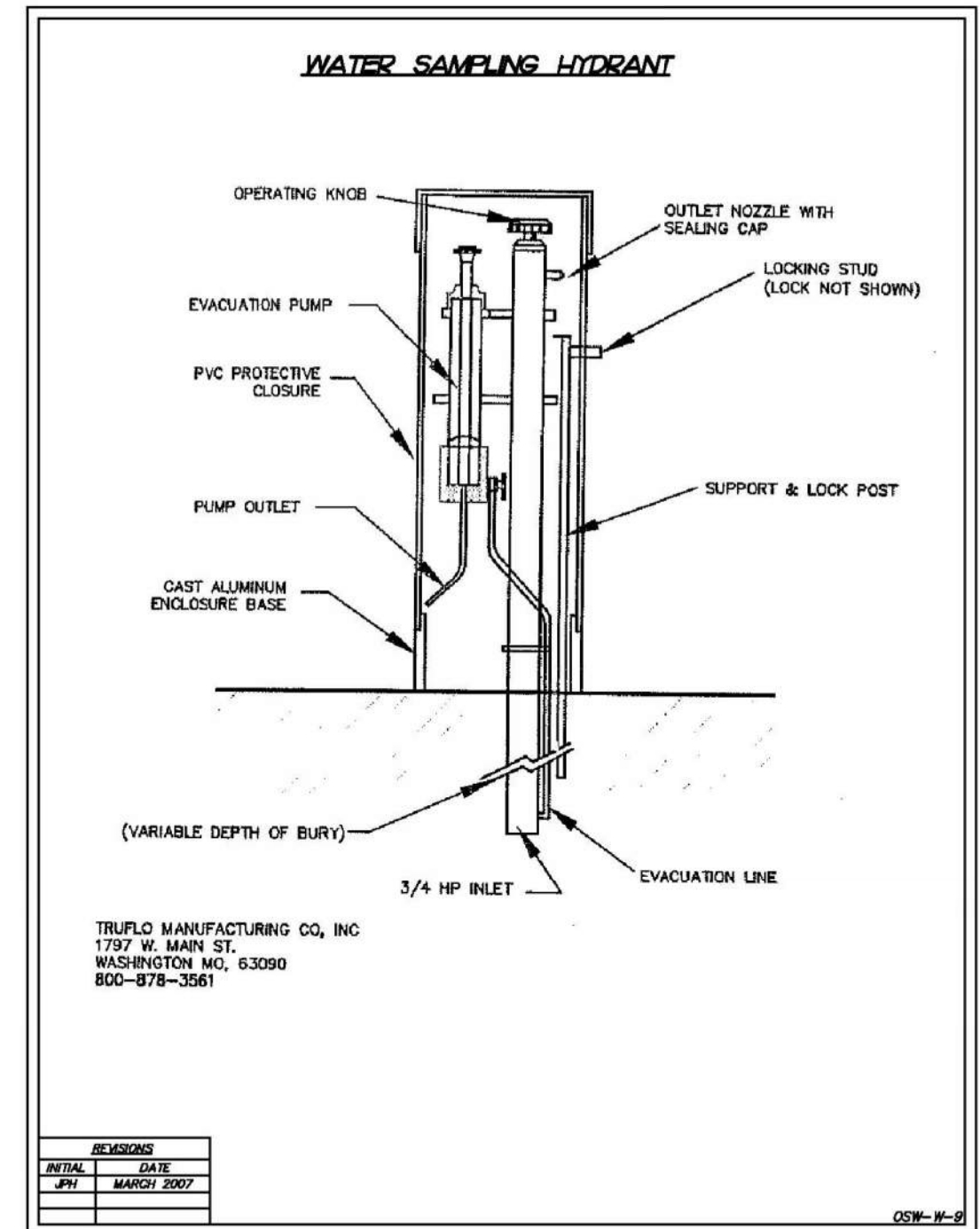
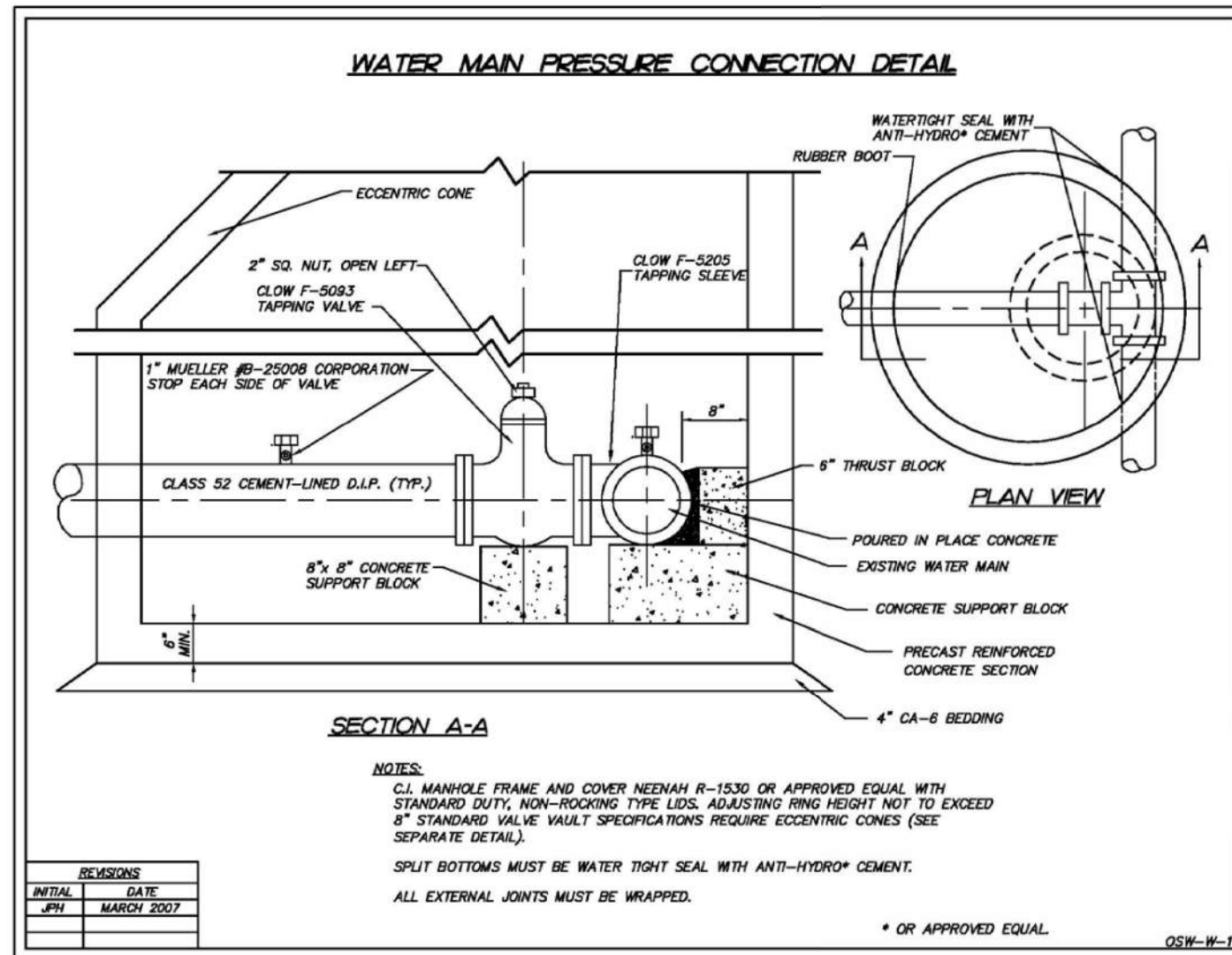
Village of
Oswego

Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

VILLAGE OF OSWEGO DETAILS

SCALE: N/A SHEET 7 OF 11 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	359
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				



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LEGEND



PRESTAGE



STAGE 2



STAGE 1A



STAGE 3



STAGE 1B



STAGE 4

WOLFS CROSSING RD

STAGE 2
CUT = 18,085 CU YD
FILL = 7,371 CU YD

STAGE 4
CUT = 632 CU YD
FILL = 1,184 CU YD

STAGE 1A
CUT = 17,505 CU YD
FILL = 7,667 CU YD

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Chicago, Illinois 60601

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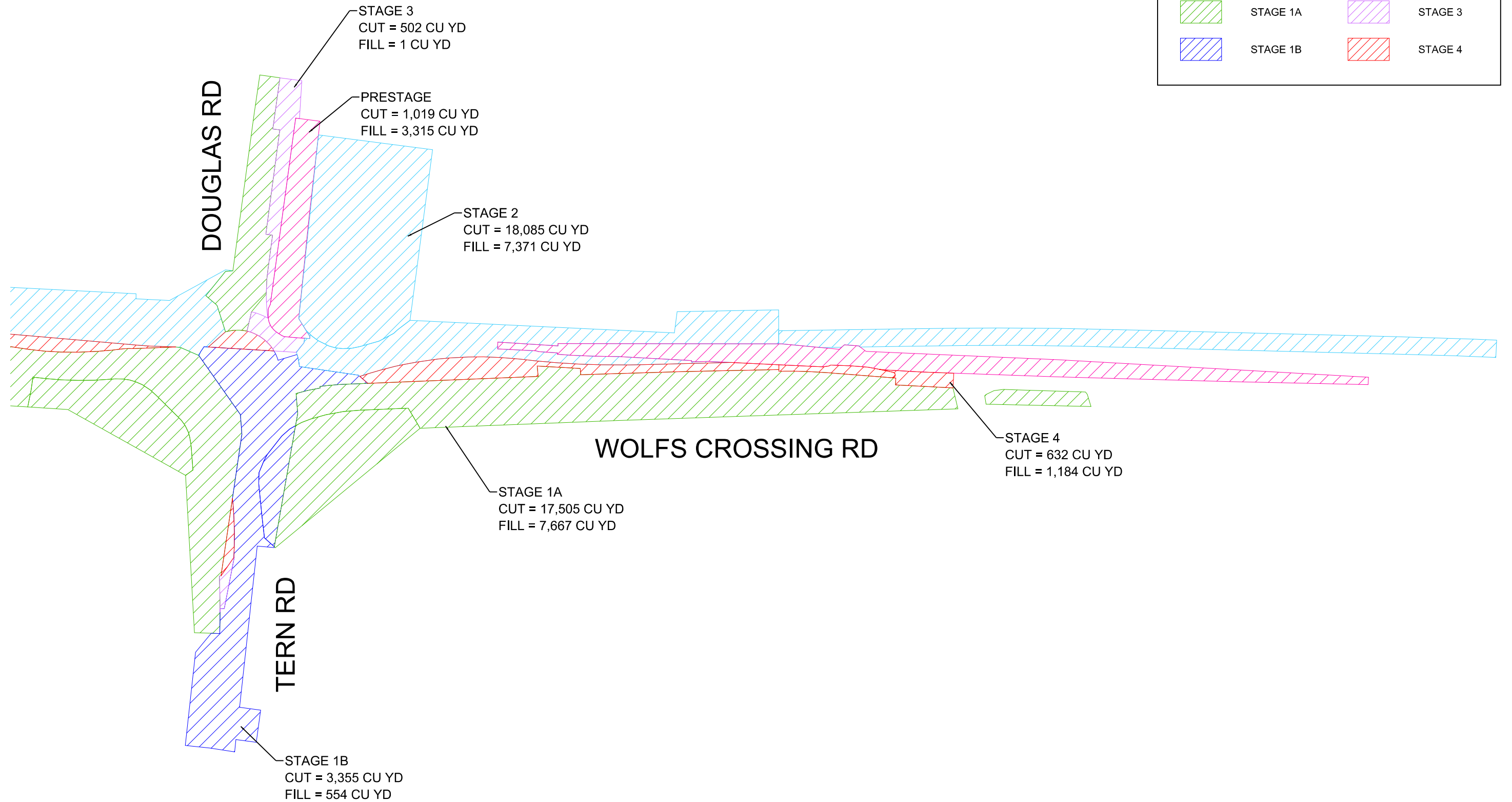
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Oswego, Illinois 60543
630-554-3618

EARTHWORK STAGING INFORMATION			
SCALE:	SHEET 1 OF 77 SHEETS	STA.	TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	361
CONTRACT NO. 87846				
		ILLINOIS	FED. AID PROJECT	

LEGEND

	PRESTAGE		STAGE 2
	STAGE 1A		STAGE 3
	STAGE 1B		STAGE 4



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100 Parkers Mill
Oswego, Illinois 60543
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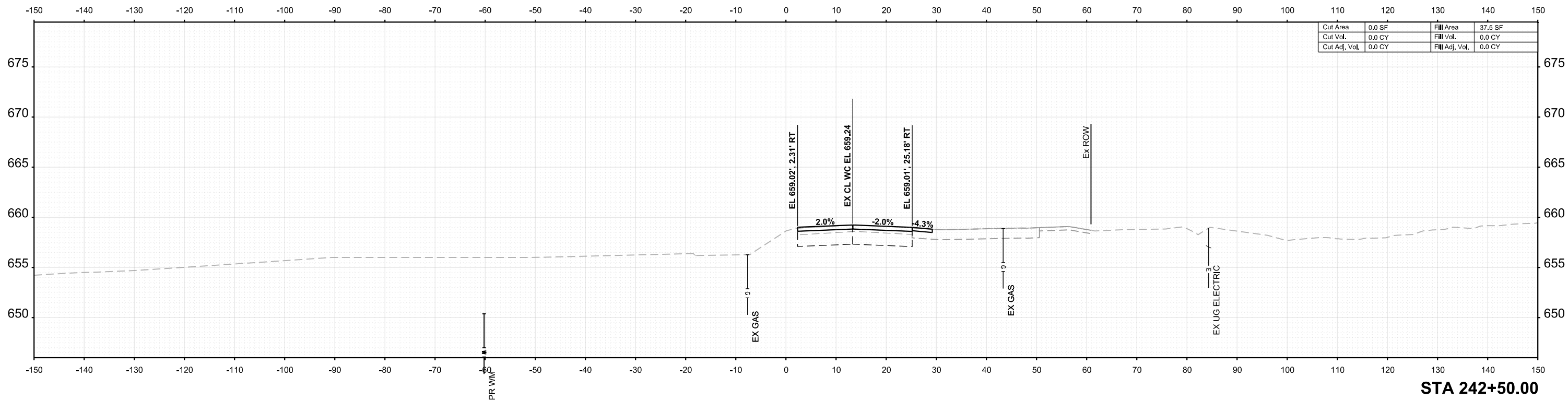
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CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

ORIGINAL SURVEY			BY		DATE
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	AREAS				
	AREAS CHECKED				
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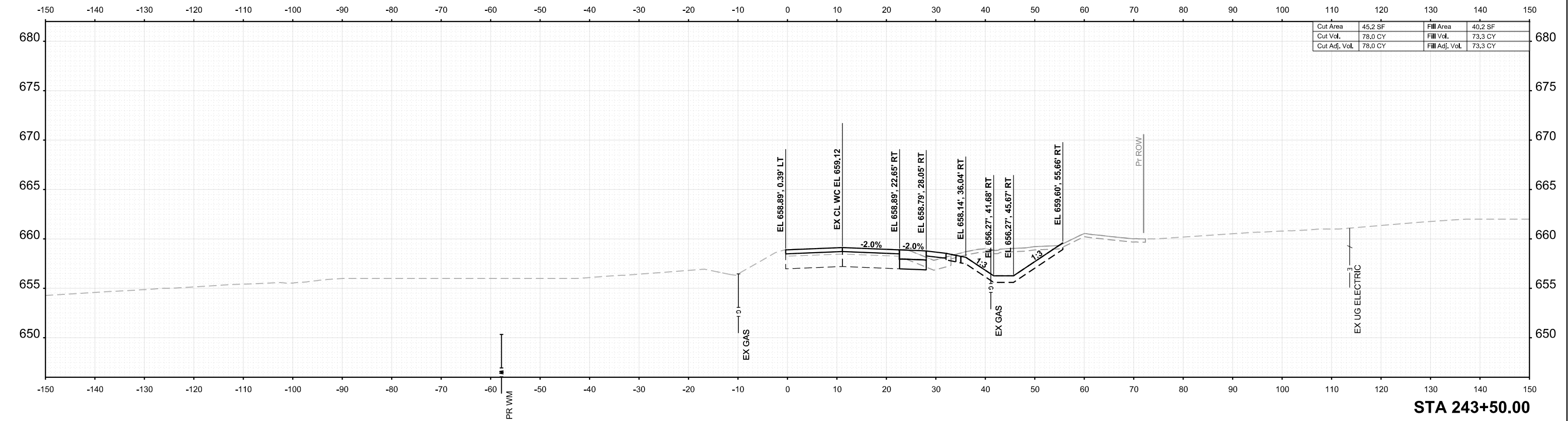
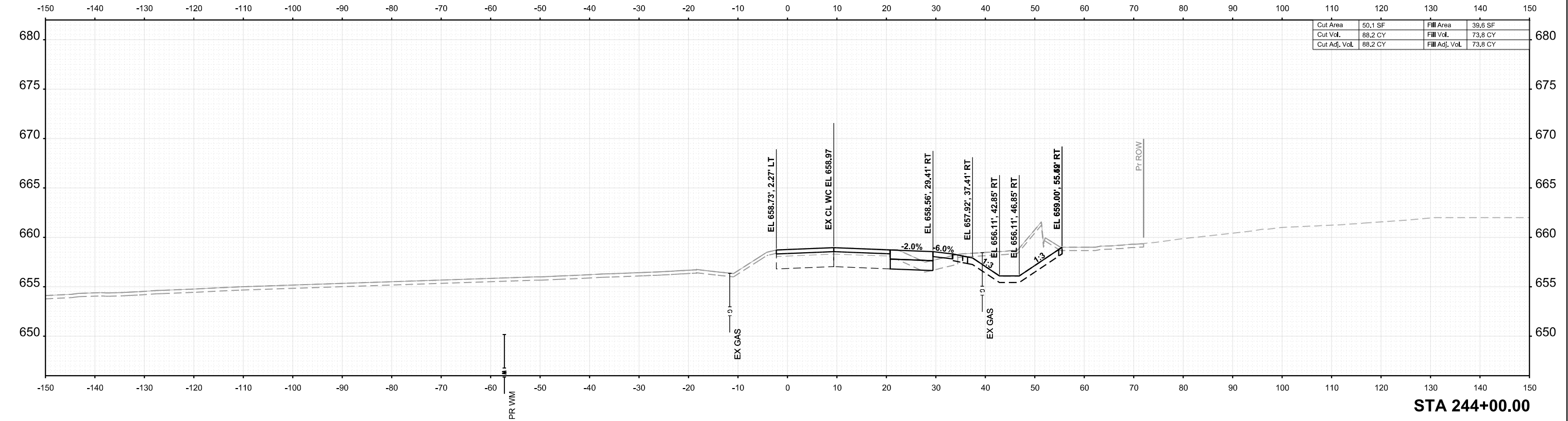


F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	363
		CONTRACT NO. 87846		
ILLINOIS		FED. AID PROJECT		

FINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	NOTE BOOK		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	NOTE BOOK		
	AREAS CHECKED		

MODEL: PRCLWIC - 243+50.00 [Sheet]
FILE NAME: c:\pwworking\benesch\projects\10182868\1058520\SH-XS-Road.dgn



USER NAME	= tblank	DESIGNED	- A.FAULKNER	REVISED	-
DRAWN	- A.FAULKNER	REVISION	-	REVISED	-
PLOT SCALE	= \$SCALE\$	CHECKED	- J.MAJEWSKI	REVISED	-
PLOT DATE	= 3/25/2025	DATE	- 07/04/2025	REVISED	-



Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

CROSS SECTIONS
WOLFS CROSSING RD

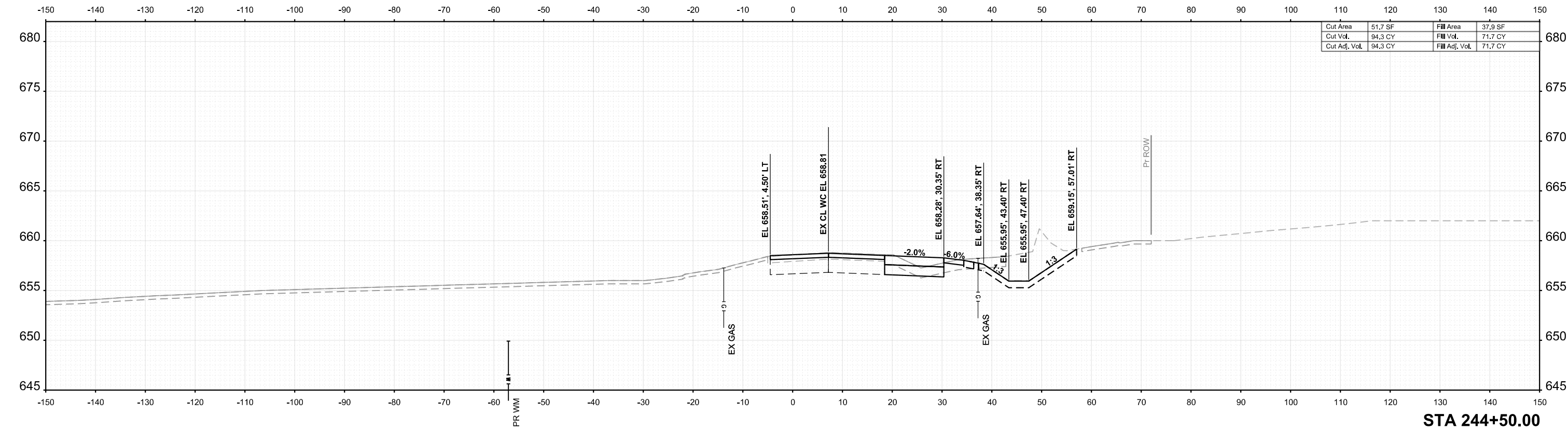
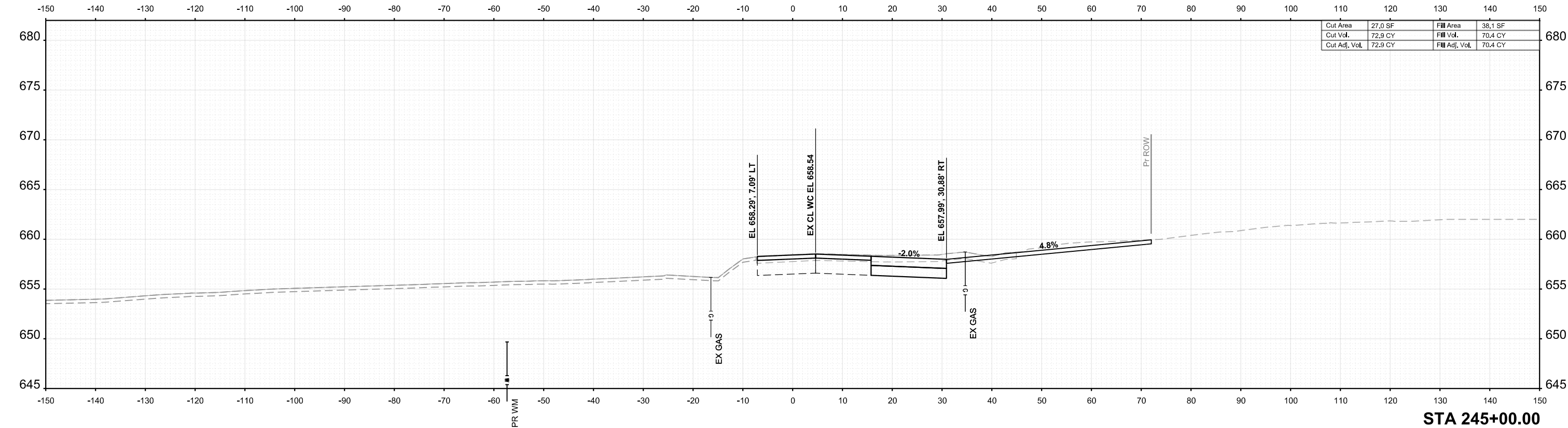
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	364
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY	NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

MODEL: PRCLWIC - 244+50.00 [Sheet]
FILE NAME: c:\pword\benesch\projects\project360\182868\1058520\SH-XS-Road.dgn



USER NAME	= tblank
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PLOT DATE	= 3/25/2025

DESIGNED	- A.FAULKNER
DRAWN	- A.FAULKNER
CHECKED	- J.MAJEWSKI
DATE	- 07/04/2025

REVISED	-
REVISED	-
REVISED	-
REVISED	-



Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

CROSS SECTIONS
WOLFS CROSSING RD

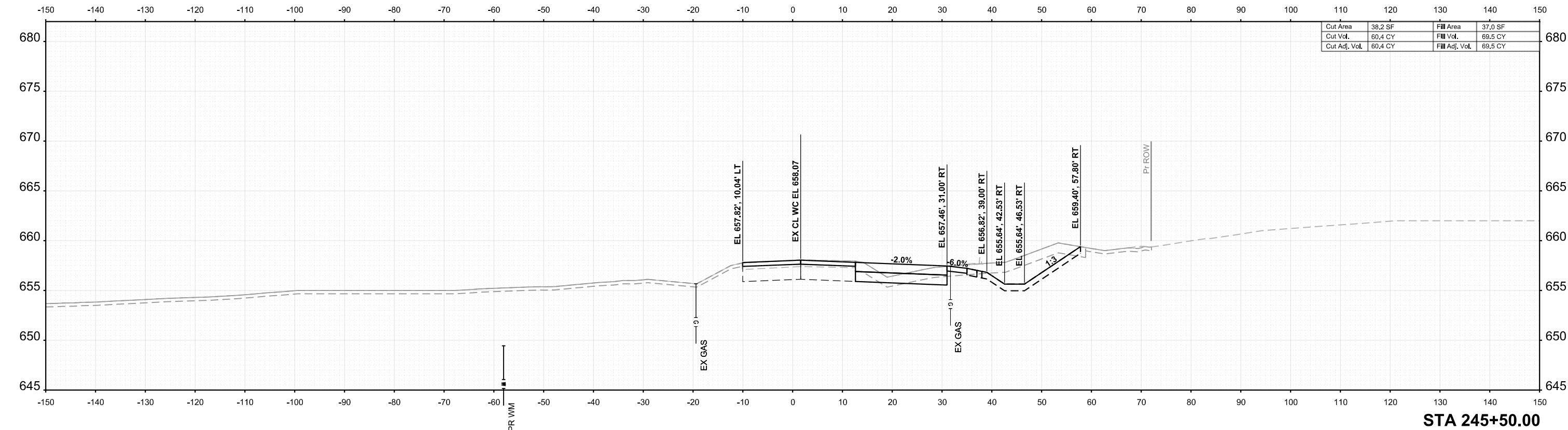
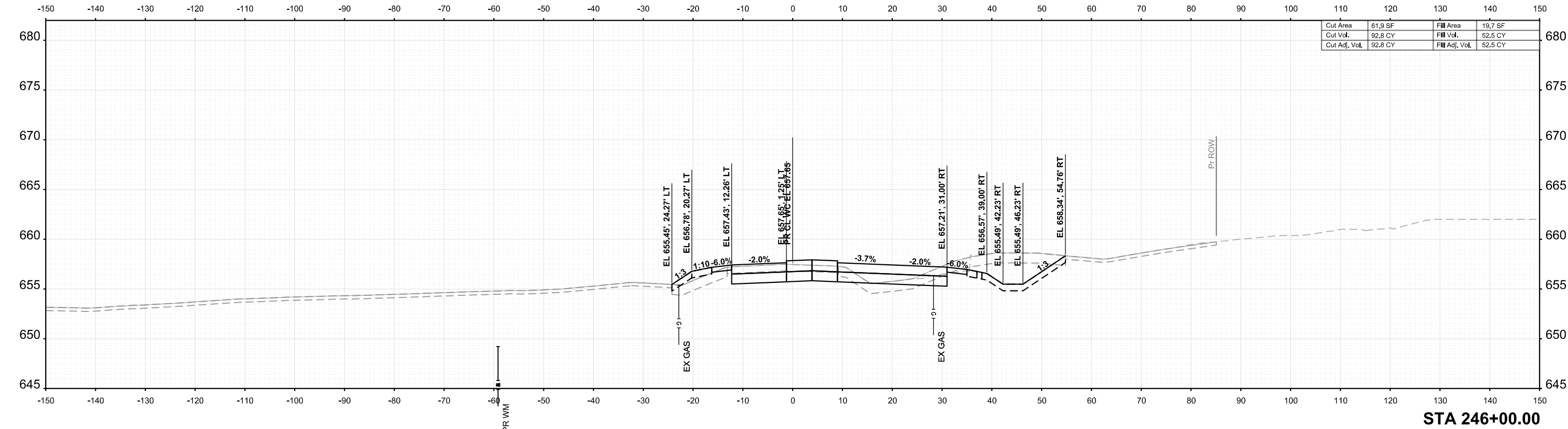
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	365
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

MODEL: PRCLWIC - 245+50.00 [Sheet]
FILE NAME: c:\pword\benesch\projects\10182868\1058520\SH-XS-Road.dgn



USER NAME	= tblank
PLOT SCALE	= \$\$SCALE\$
PLOT DATE	= 3/25/2025

DESIGNED	-	A.FAULKNER
DRAWN	-	A.FAULKNER
CHECKED	-	J.MAJEWSKI
DATE	-	07/04/2025

REVISED	-
REVISED	-
REVISED	-
REVISED	-



Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

CROSS SECTIONS
WOLFS CROSSING RD

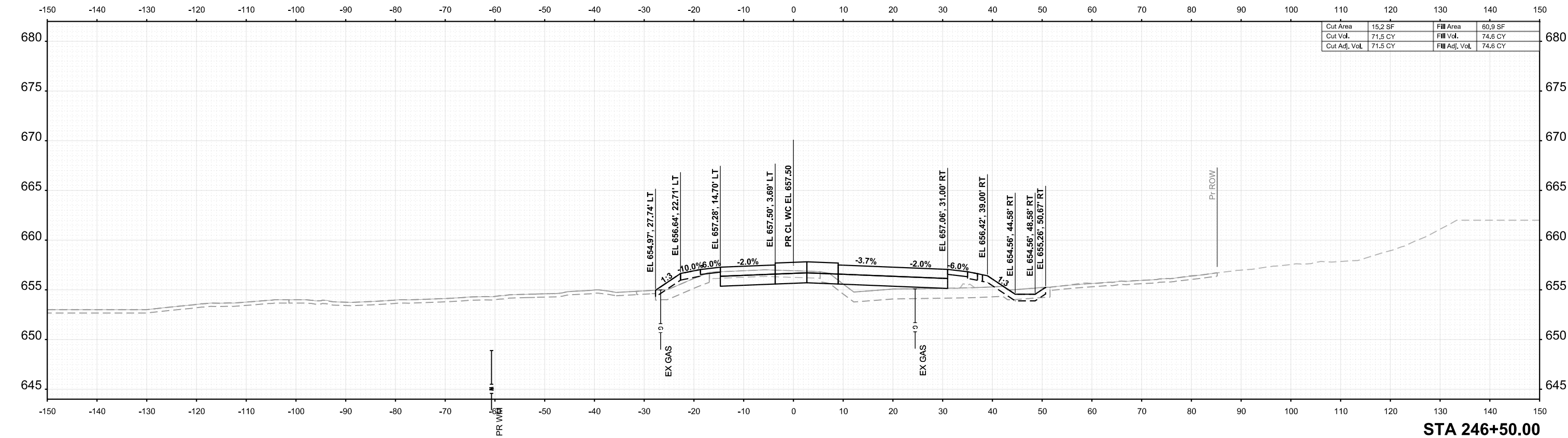
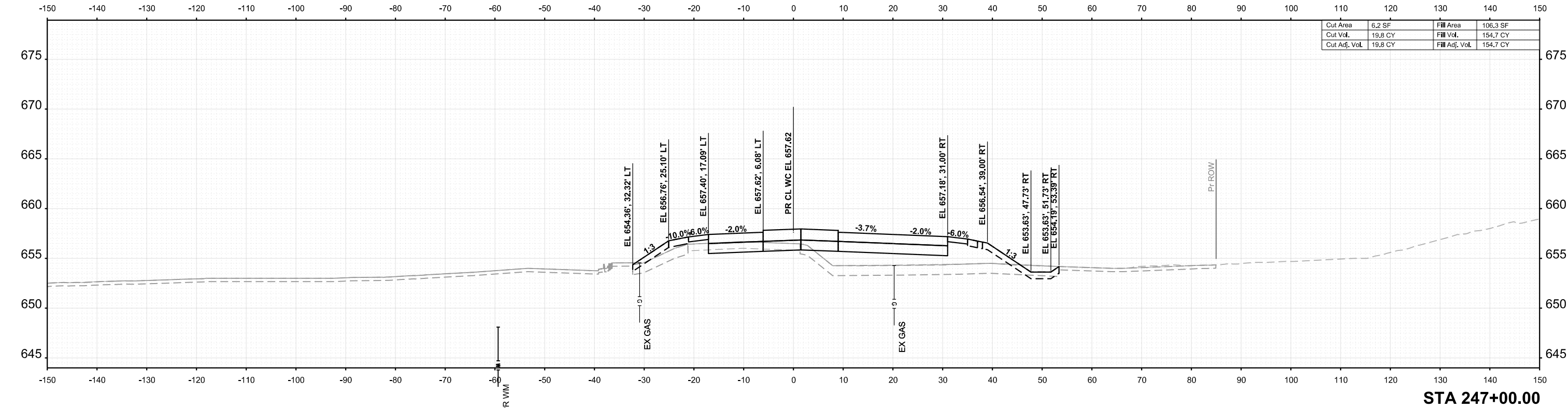
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	366
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS		
	CHECKED		

ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS		
	CHECKED		

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		DRAWN	- A.FAULKNER	REVISED	-
PLOT SCALE	= \$\$SCALE\$	CHECKED	- J.MAJEWSKI	REVISED	-
PLOT DATE	= 3/25/2025	DATE	- 07/04/2025	REVISED	-



Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

CROSS SECTIONS
WOLFS CROSSING RD

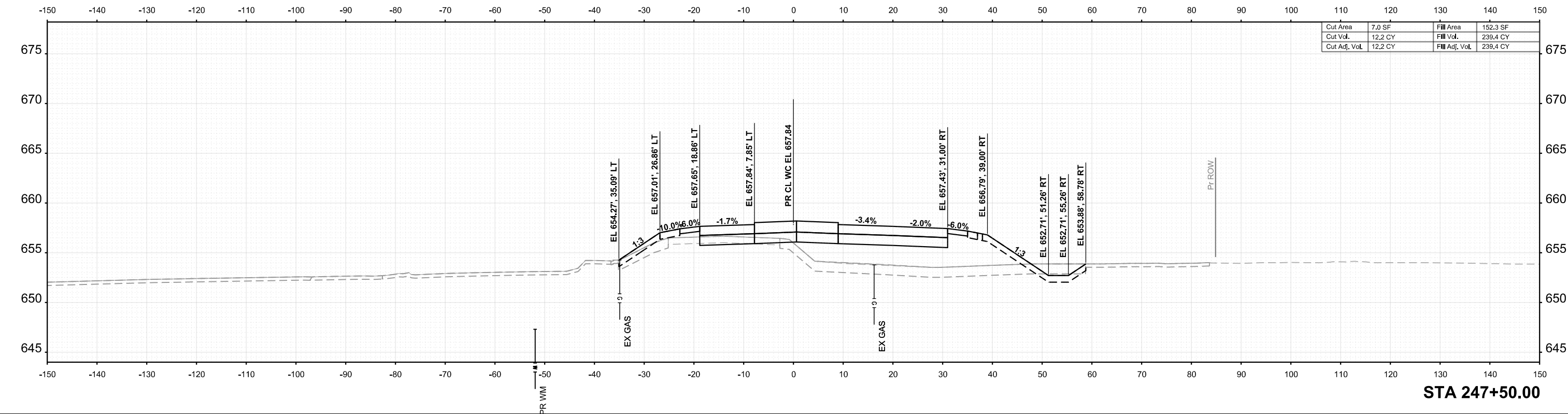
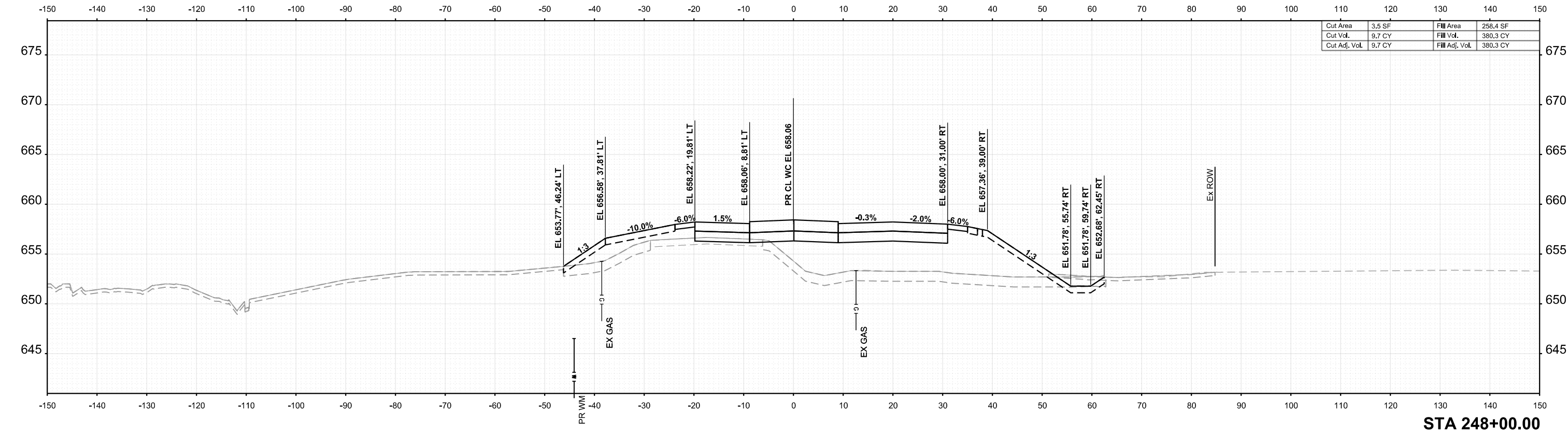
SCALE: 1"=10' SHEET 7 OF 77 SHEETS STA. 246+50.00 TO STA. 247+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	367
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS		
	CHECKED		

ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS		
	CHECKED		

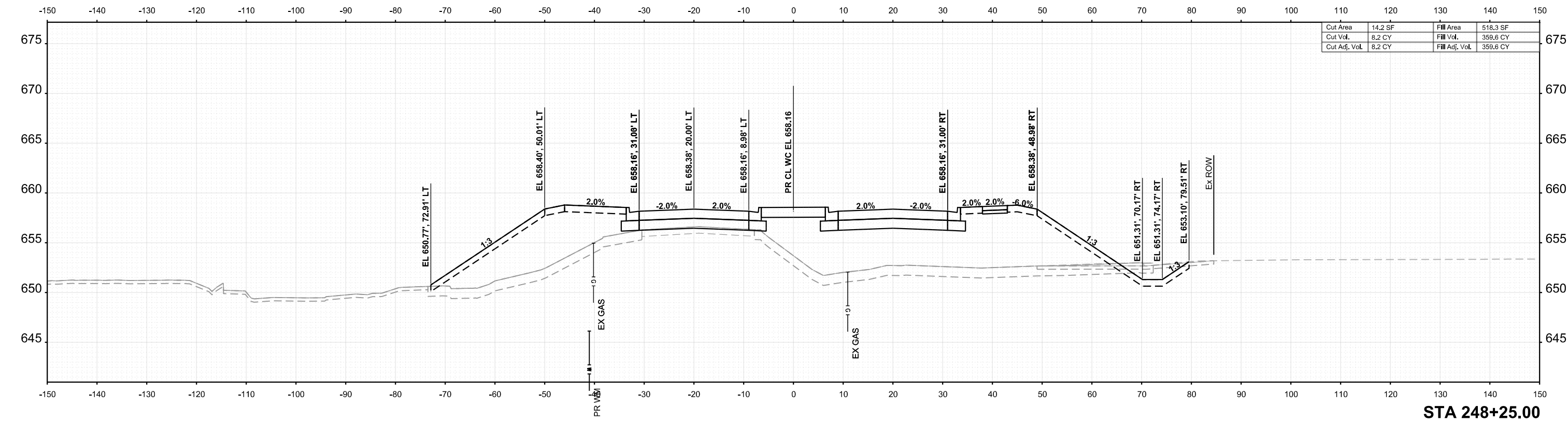
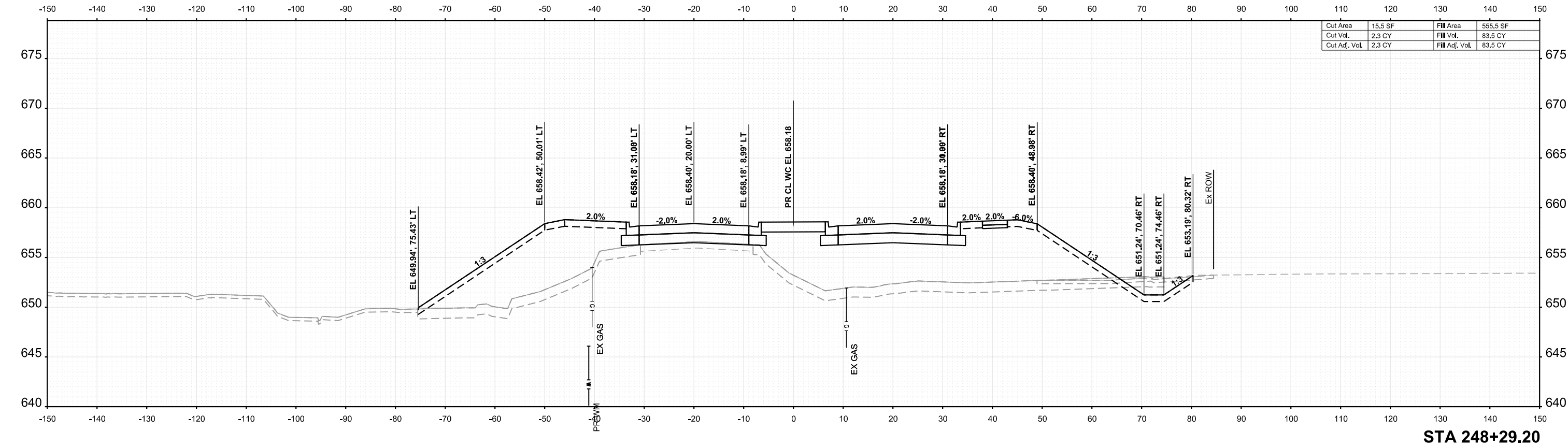
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FINAL SURVEY	NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY	NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

MODEL: PRCLVLC - 248+25.00 [Sheet]
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DRAWN	- A.FAULKNER	CHECKED	- J.MAJEWSKI	REVISED	-
PLOT SCALE	= \$SCALE\$	DATE	- 07/04/2025	REVISED	-
PLOT DATE	= 3/25/2025				



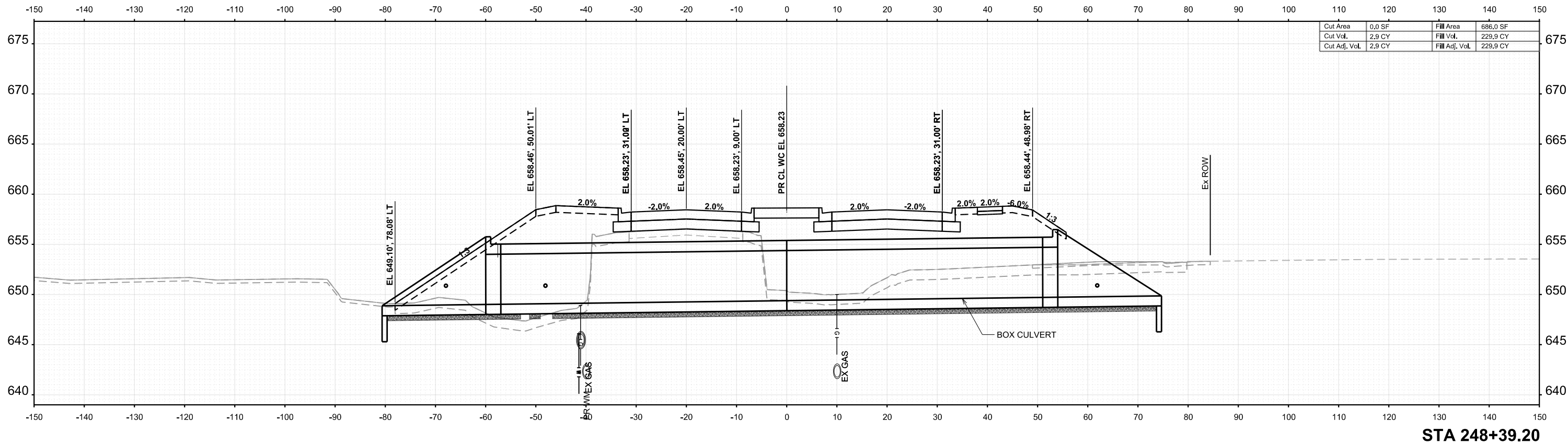
Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3818

CROSS SECTIONS WOLFS CROSSING RD			
SCALE: 1"=10'	SHEET 9	OF 77 SHEETS	TO STA. 248+25.00 TO STA. 248+29.20

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	369
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

ORIGINAL SURVEY	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
NOTE BOOK	TEMPLATE _____		
	AREAS _____		
NO. _____	AREAS CHECKED _____		

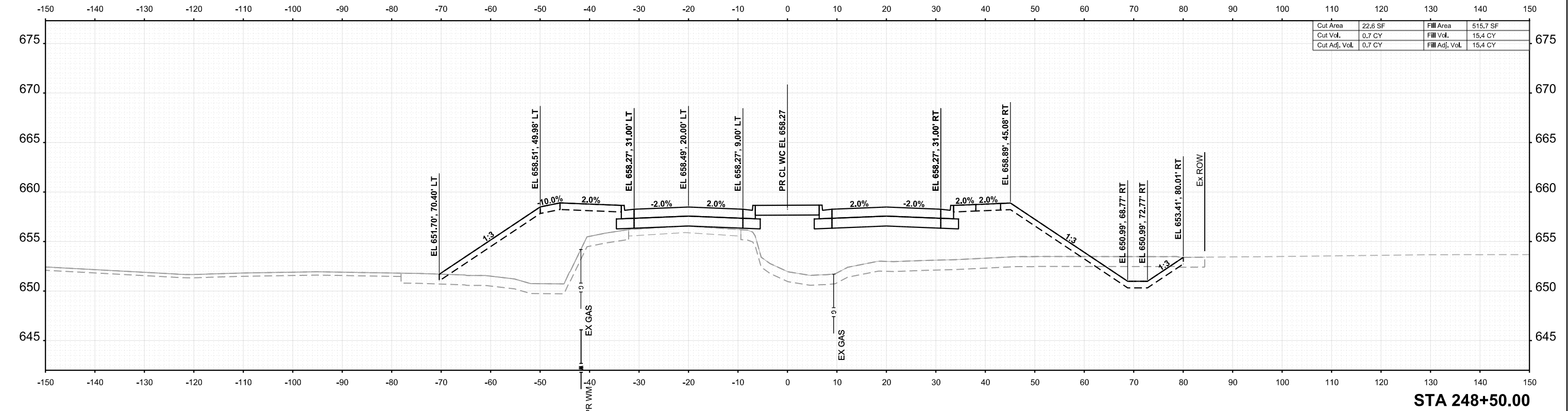
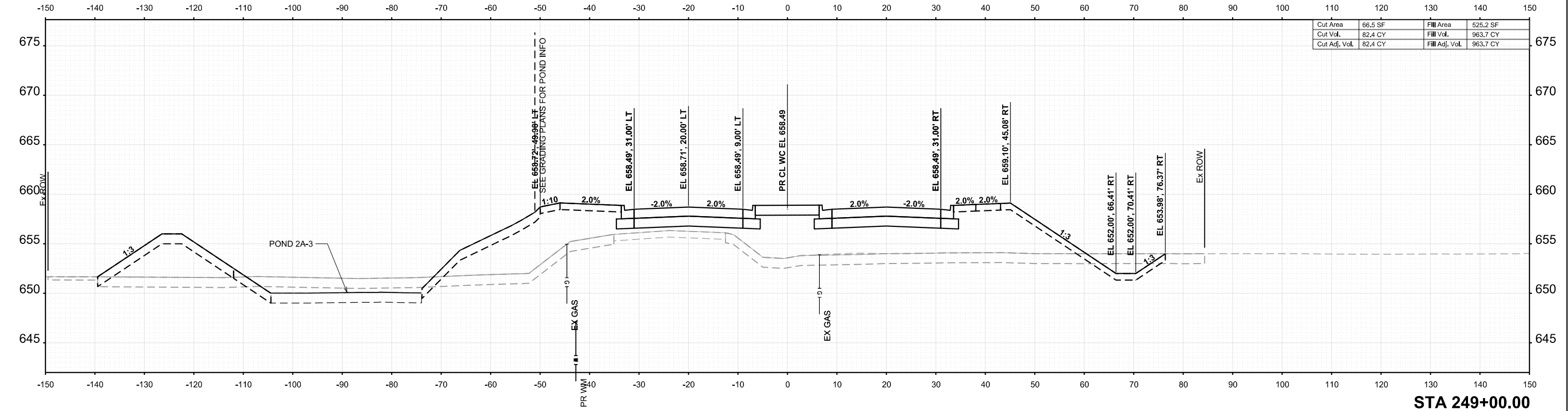
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FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS		
	CHECKED		

ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS		
	CHECKED		

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	DRAWN - A.FAULKNER	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - J.MAJEWSKI	REVISED -
PLOT DATE = 3/25/2025	DATE - 07/04/2025	REVISED -



Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

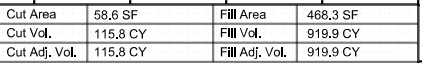
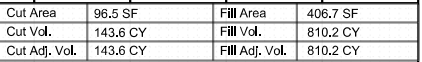
CROSS SECTIONS
WOLFS CROSSING RD

SCALE: 1"=10' SHEET 11 OF 77 SHEETS STA. 248+50.00 TO STA. 249+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	371
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

ORIGINAL SURVEY	SURVEYED _____	BY _____	DATE _____
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NOTE BOOK	TEMPLATE _____		
	AREAS _____		
NO. _____	AREAS CHECKED _____		

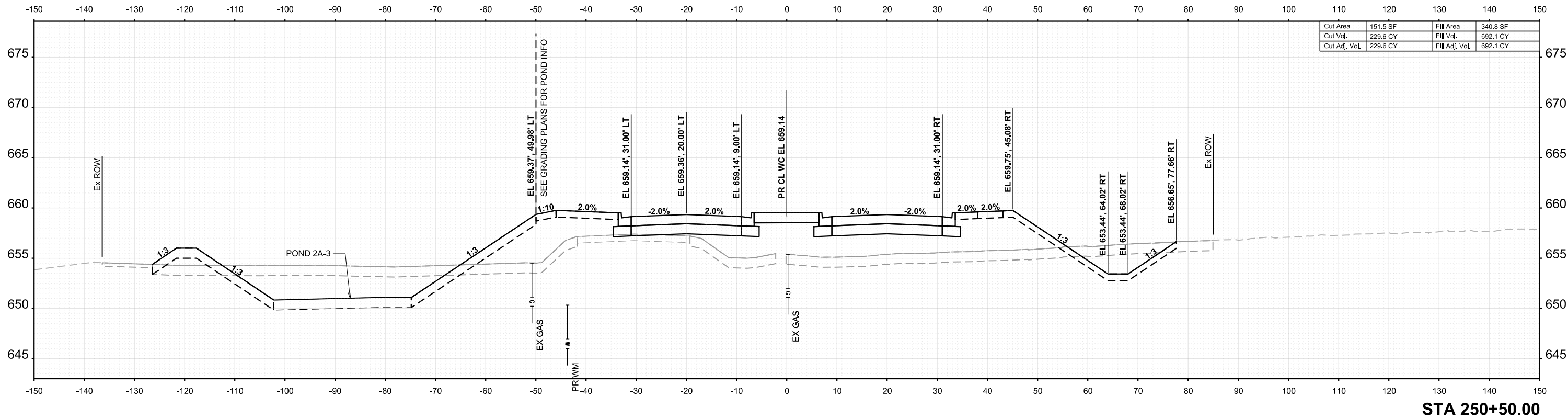
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ILLINOIS	FED. AID PROJECT
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ORIGINAL SURVEY	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
NOTE BOOK	TEMPLATE _____		
	AREAS _____		
NO. _____	AREAS CHECKED _____		

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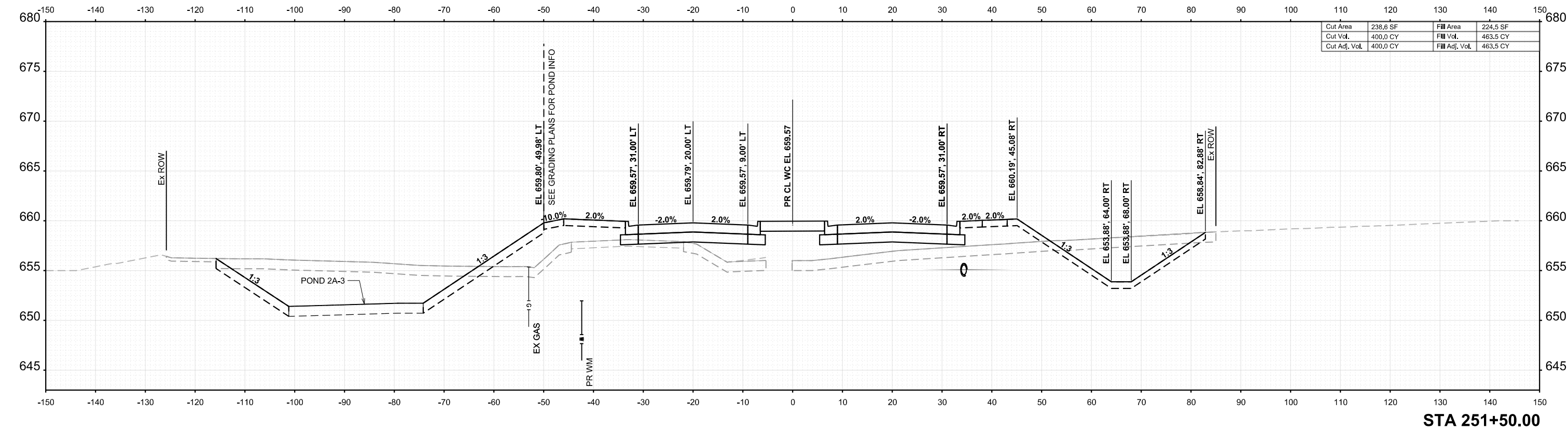
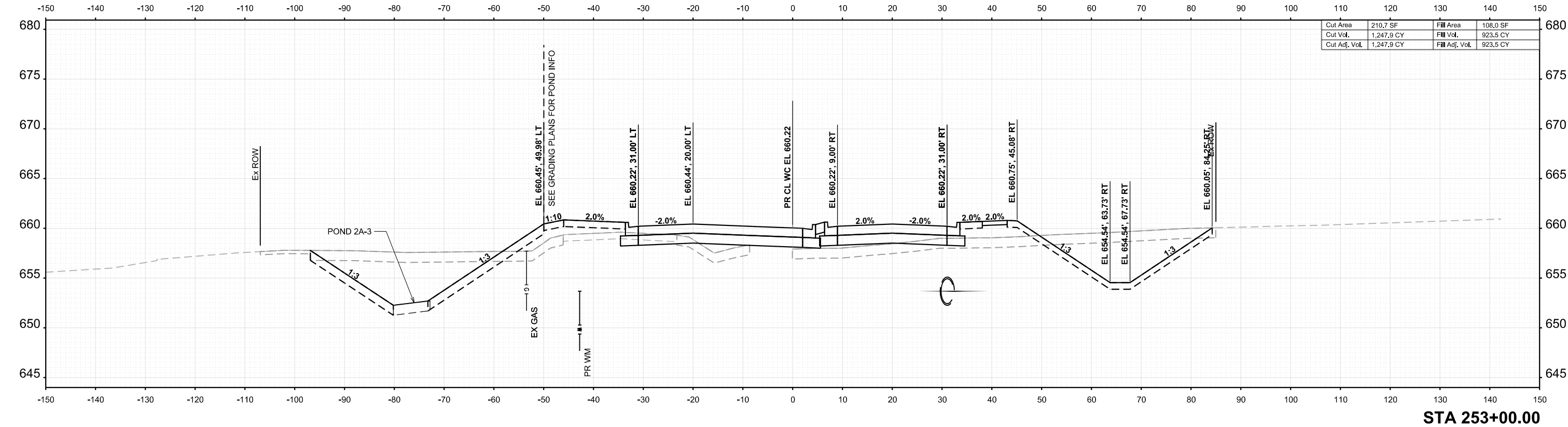


F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	373
		CONTRACT NO. 87846		
ILLINOIS		FED. AID PROJECT		

FINAL SURVEY	NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY	NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

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USER NAME	= tblank	DESIGNED	- A.FAULKNER	REVISED	-
DRAWN	- A.FAULKNER	DRAWN	- A.FAULKNER	REVISED	-
PLOT SCALE	= \$SCALE\$	CHECKED	- J.MAJEWSKI	REVISED	-
PLOT DATE	= 3/25/2025	DATE	- 07/04/2025	REVISED	-



Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3818

CROSS SECTIONS
WOLFS CROSSING RD

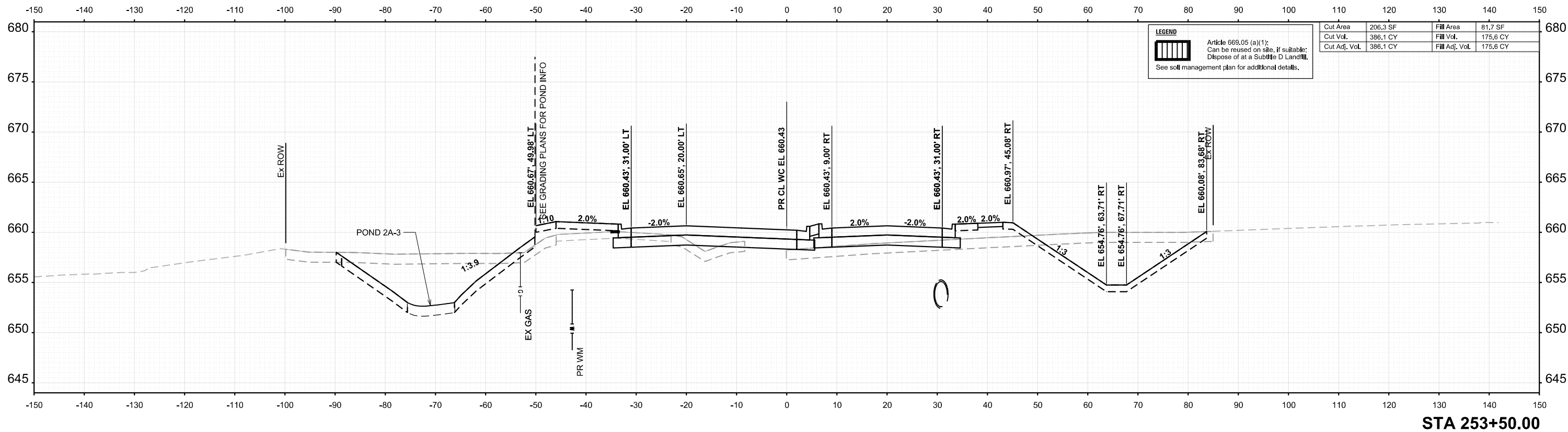
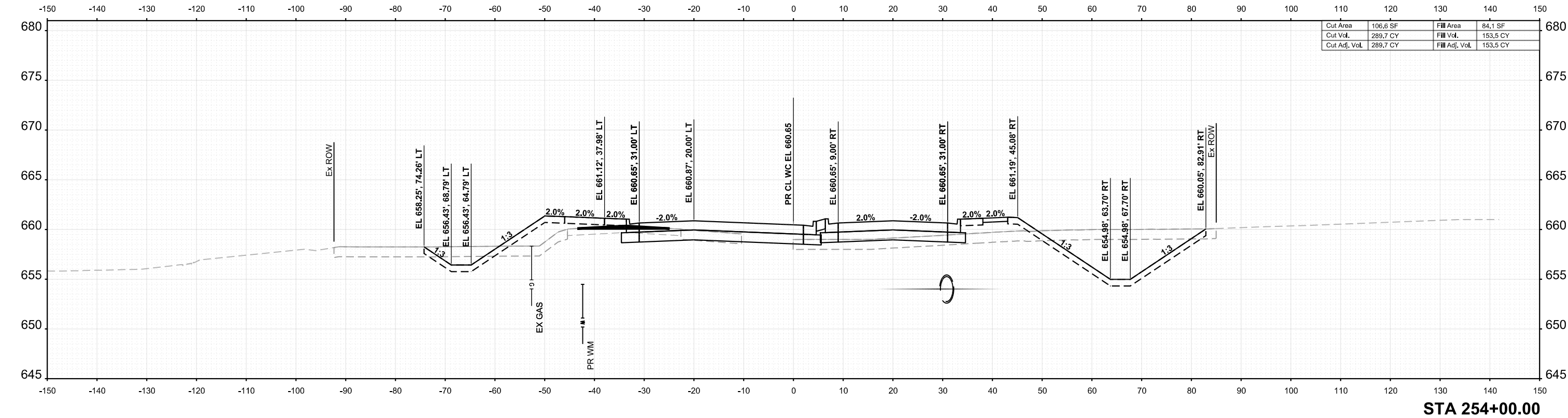
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	374
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS		
	CHECKED		

ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS		
	CHECKED		

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USER NAME	= scyrs
PLOT SCALE	= \$SCALE\$
PLOT DATE	= 5/7/2025

DESIGNED	- A.FAULKNER
DRAWN	- A.FAULKNER
CHECKED	- J.MAJEWSKI
DATE	- 07/04/2025

REVISED	-
REVISED	-
REVISED	-
REVISED	-



Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

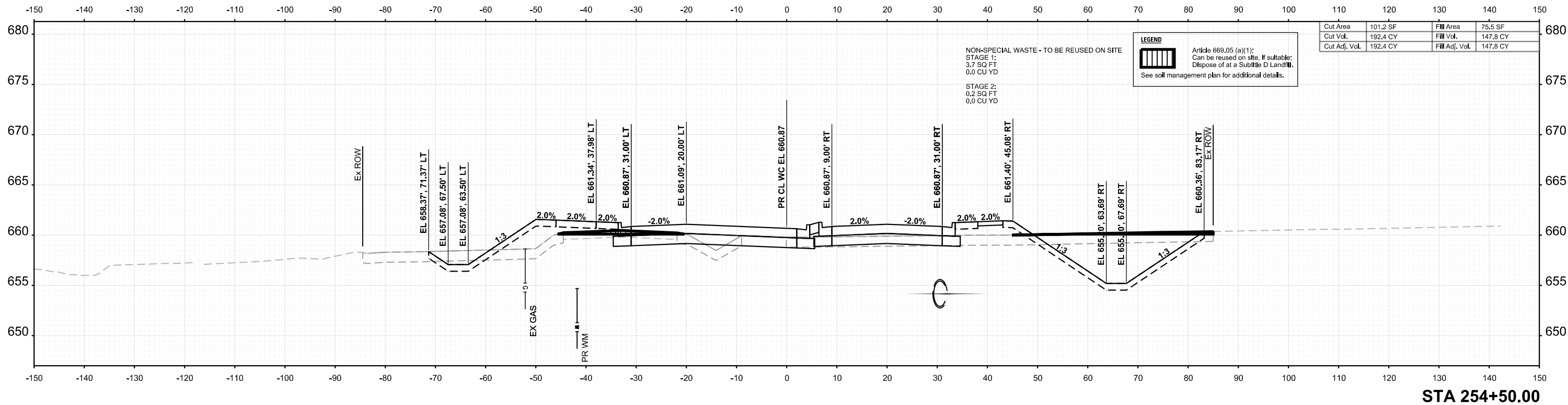
**CROSS SECTIONS
WOLFS CROSSING RD**

SCALE: 1"=10'
SHEET 15 OF 77 SHEETS
STA. 253+50.00 TO STA. 254+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	375
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

ORIGINAL SURVEY			BY		DATE
	SURVEYED				
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	AREAS				
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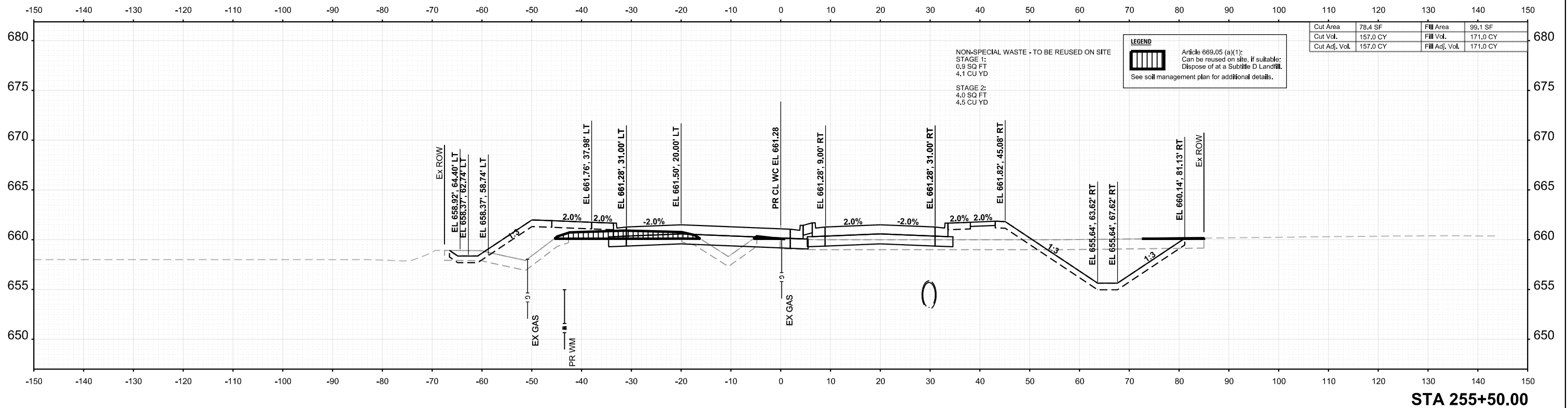
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	376
		CONTRACT NO. 87846		
ILLINOIS		FED. AID PROJECT		

ORIGINAL SURVEY			BY		DATE
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	PLOTTED				
	TEMPLATE				
	AREAS				
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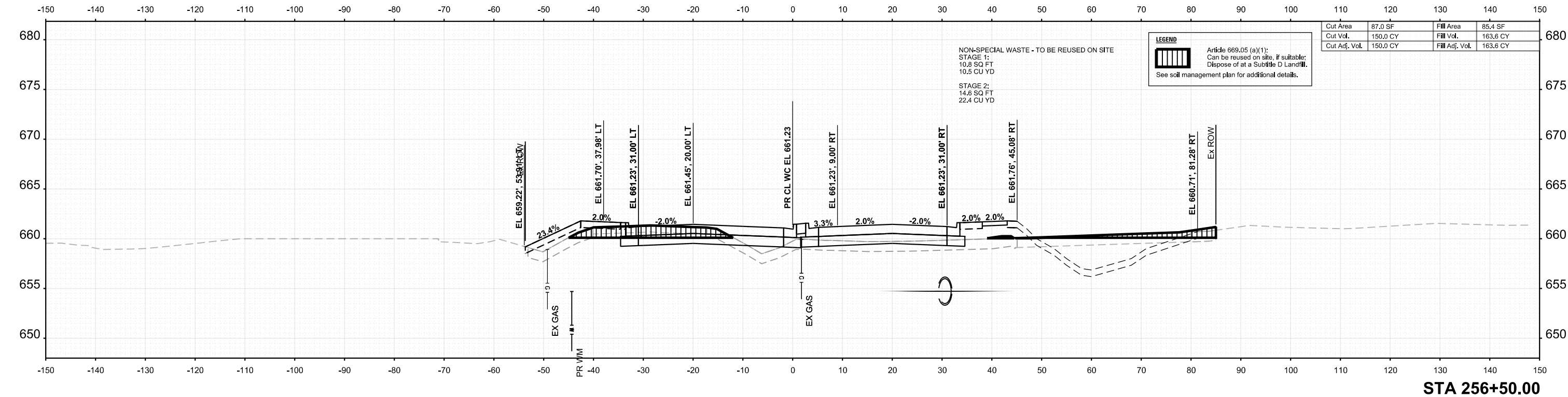
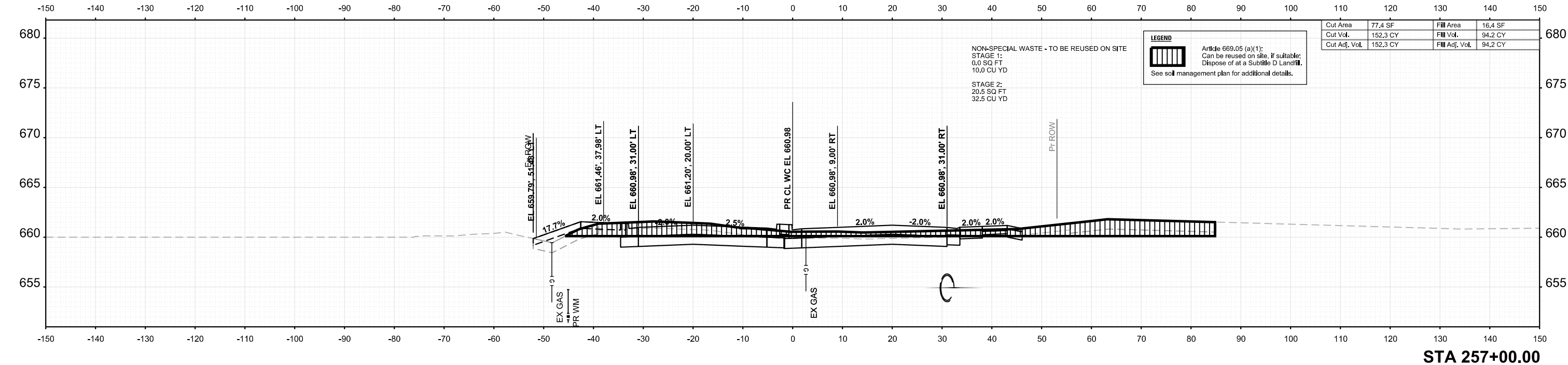
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FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

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	DRAWN - A.FAULKNER	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - J.MAJEWSKI	REVISED -
PLOT DATE = 3/25/2025	DATE - 07/04/2025	REVISED -



Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

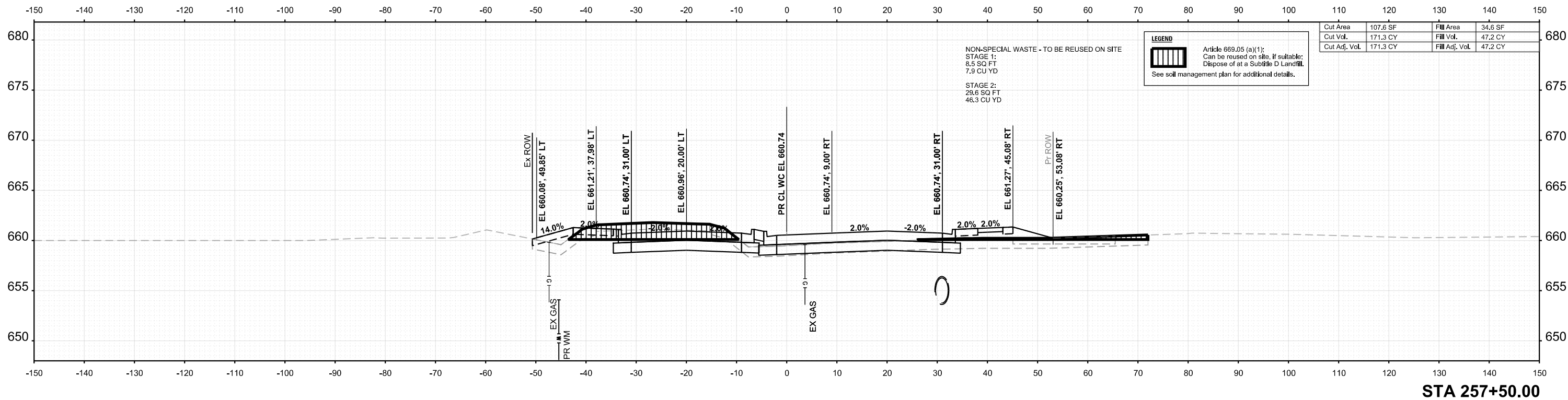
CROSS SECTIONS
WOLFS CROSSING RD

SCALE: 1"=10' SHEET 18 OF 77 SHEETS STA. 256+50.00 TO STA. 257+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	378
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

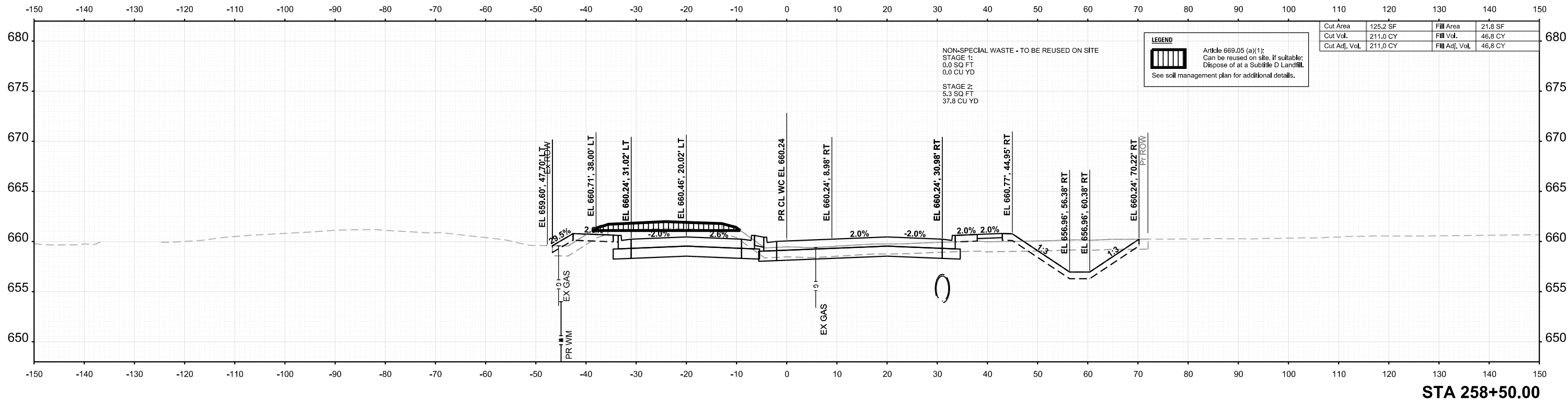
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	SURVEYED				
	PLOTTED				
	TEMPLATE				
	AREAS				
	AREAS CHECKED				
NO.					

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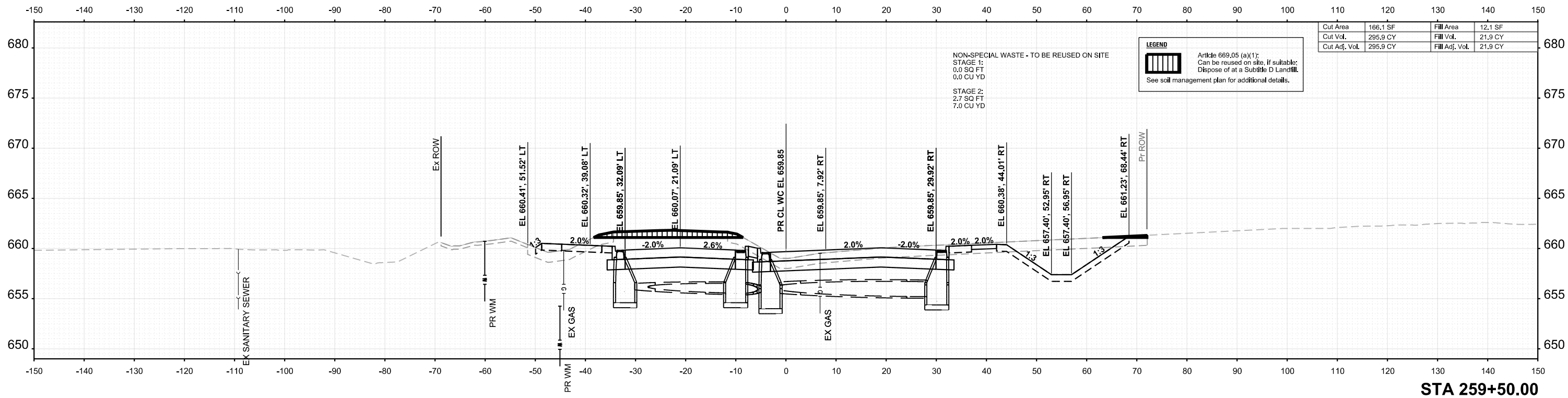
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	PLOTTED _____		
NOTE BOOK	TEMPLATE _____		
	AREAS _____		
NO. _____	AREAS CHECKED _____		

MODEL: PROLWO - Z50 - 30.00 [Sheet]
FILE NAME: c:\pwword\inbenesch projects\projects\0182898\10585.20-Shi-XS-Road.dgn



ORIGINAL SURVEY	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
NOTE BOOK	TEMPLATE _____		
	AREAS _____		
NO. _____	AREAS CHECKED _____		

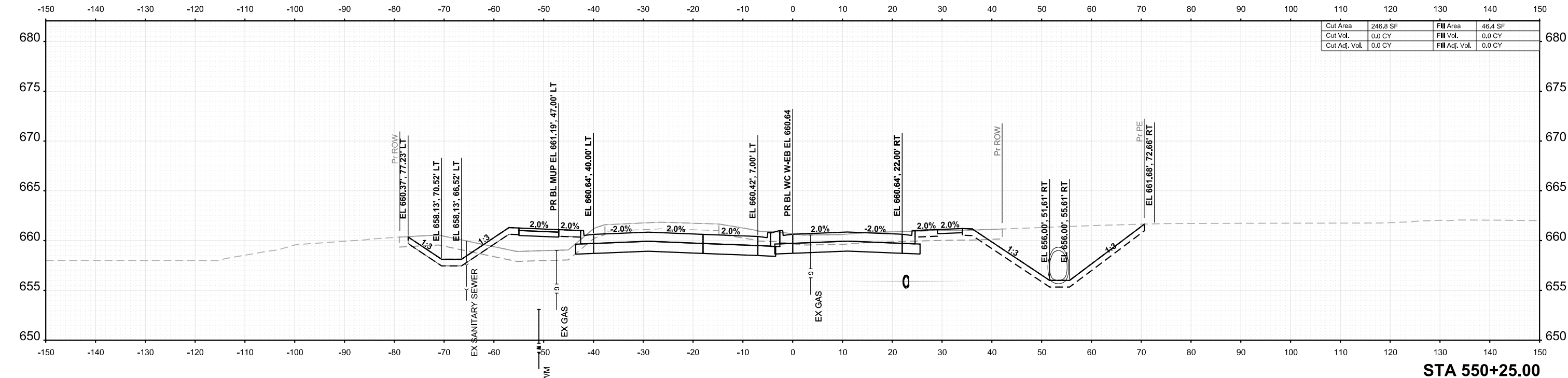
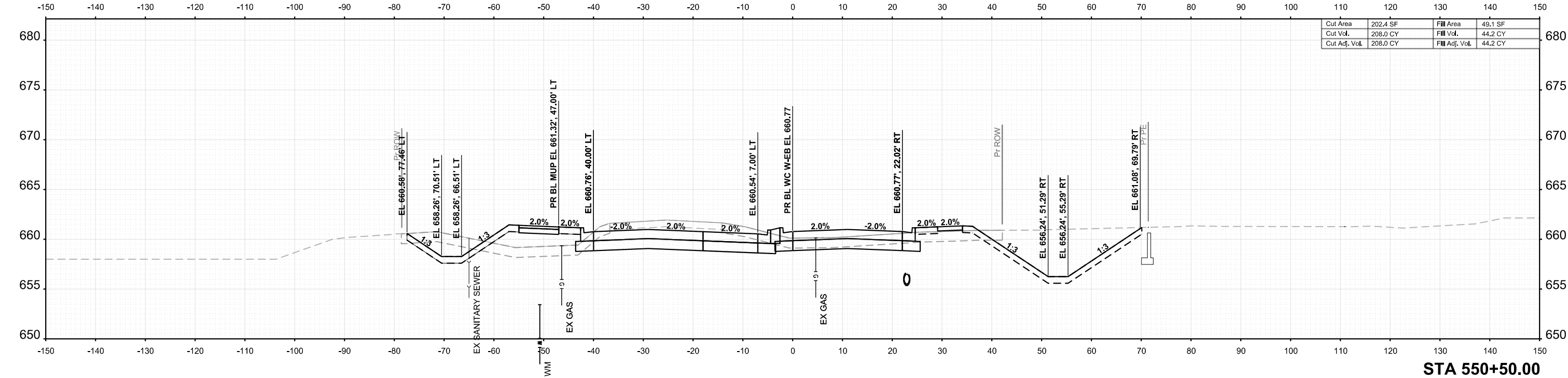
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FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

MODEL: PRDOUG_W_EB - 550+25.00 (Sheet)
FILE NAME: c:\pword\benesch\projects\project360182868\058520\SH-XS-Road.dgn



USER NAME	= tblank	DESIGNED	- A.FAULKNER	REVISED	-
		DRAWN	- A.FAULKNER	REVISED	-
PLOT SCALE	= \$\$SCALE\$	CHECKED	- J.MAJEWSKI	REVISED	-
PLOT DATE	= 3/25/2025	DATE	- 07/04/2025	REVISED	-



Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

CROSS SECTIONS
DOUGLAS RD - WEST EASTBOUND

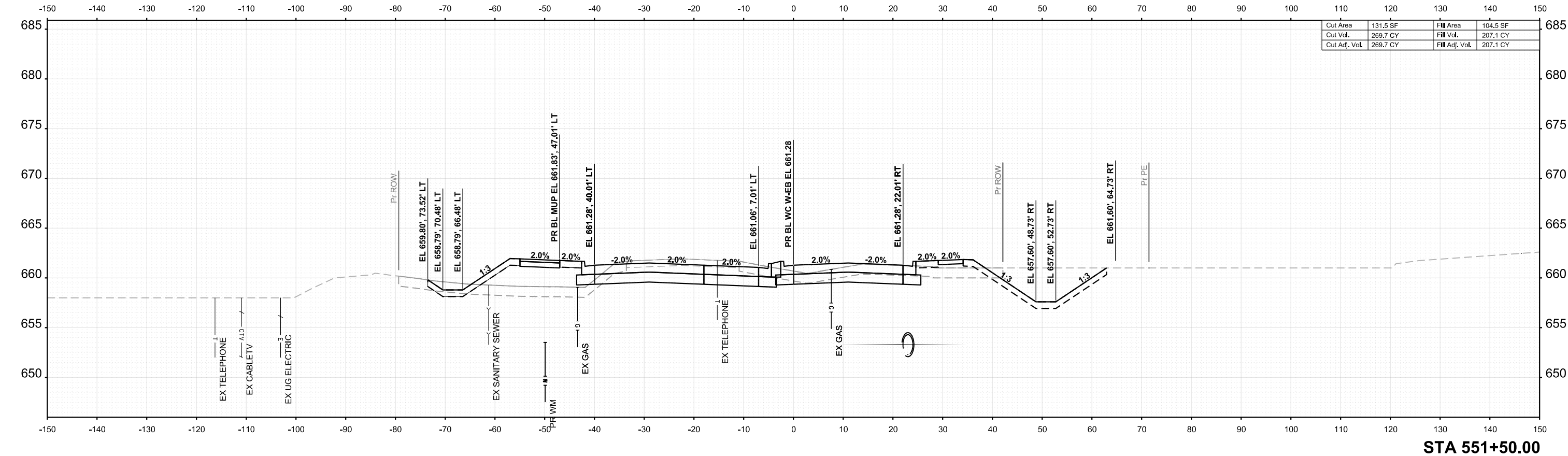
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	382
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

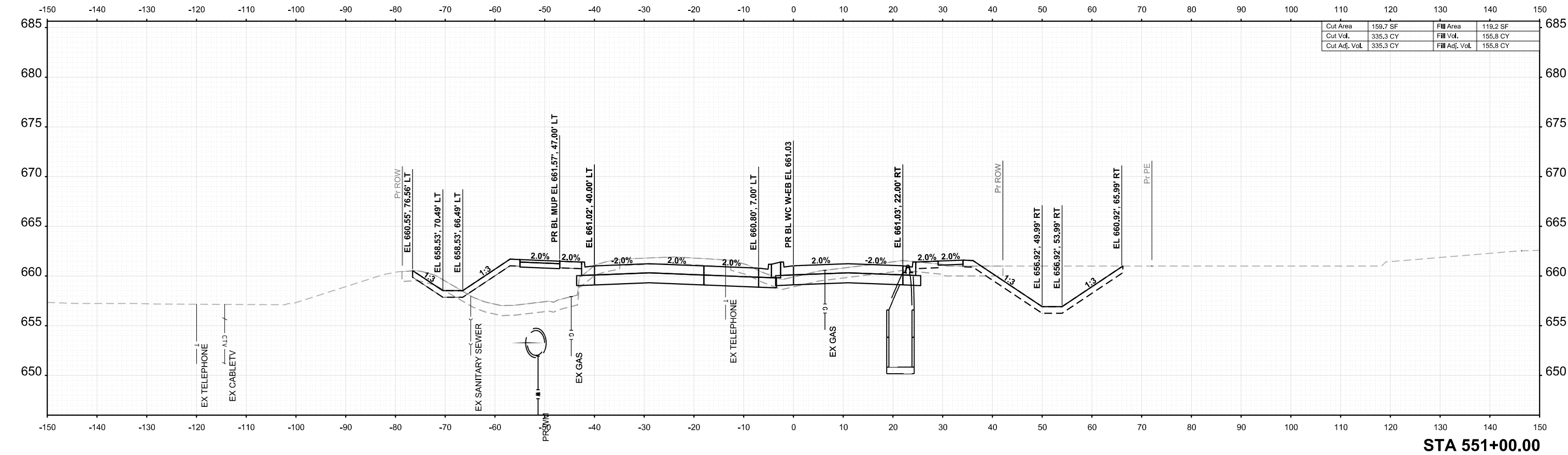
FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

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STA 551+50.00



STA 551+00.00



USER NAME	= tblank	DESIGNED	- A.FAULKNER	REVISED	-
		DRAWN	- A.FAULKNER	REVISED	-
PLOT SCALE	= \$\$SCALE\$	CHECKED	- J.MAJEWSKI	REVISED	-
PLOT DATE	= 3/25/2025	DATE	- 07/04/2025	REVISED	-



Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

CROSS SECTIONS
DOUGLAS RD - WEST EASTBOUND

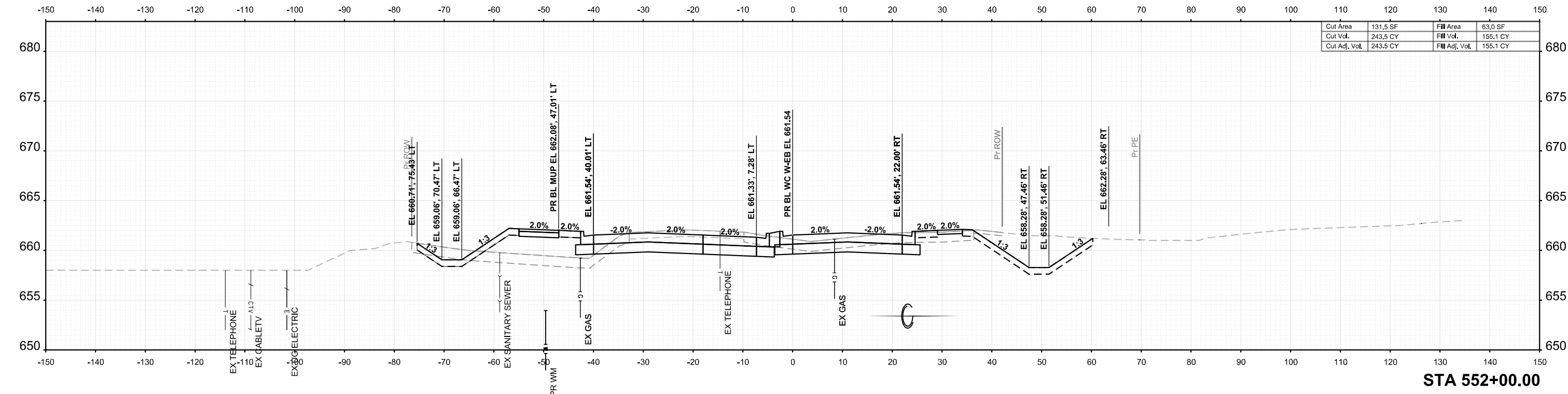
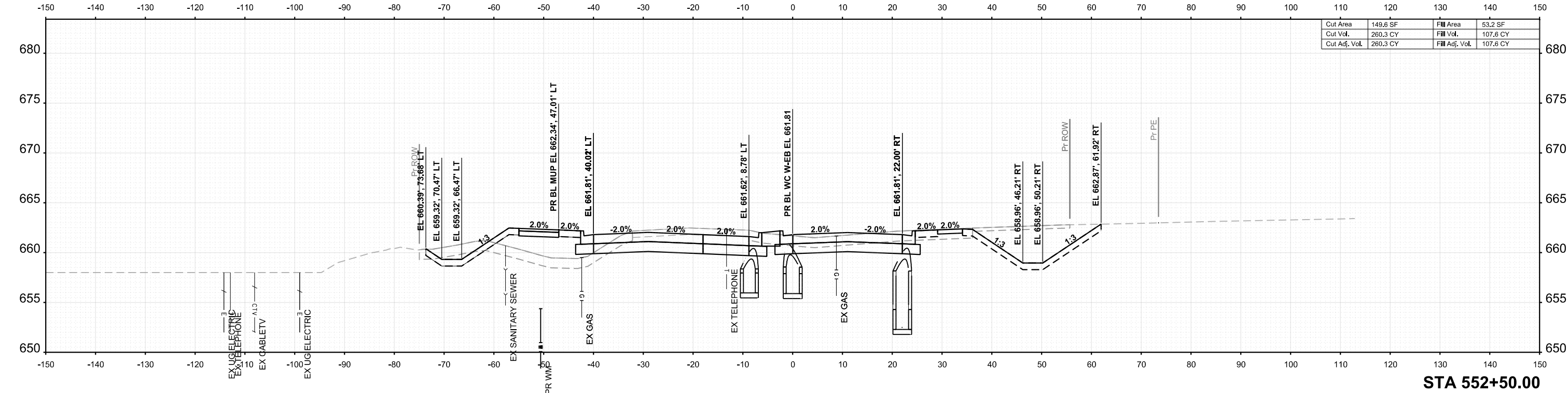
SCALE: 1"=10' SHEET 23 OF 77 SHEETS STA. 551+00.00 TO STA. 551+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	383
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

MODEL: PRDOUG_W_EB - 552+00.00 (Sheet)
FILE NAME: c:\pwork\alfred\project\project360182868\058520\SH-XS-Road.dgn



USER NAME	= tblank	DESIGNED	- A.FAULKNER	REVISED	-
DRAWN	- A.FAULKNER	REVISION	-	REVISED	-
PLOT SCALE	= \$SCALE\$	CHECKED	- J.MAJEWSKI	REVISED	-
PLOT DATE	= 3/25/2025	DATE	- 07/04/2025	REVISED	-



Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

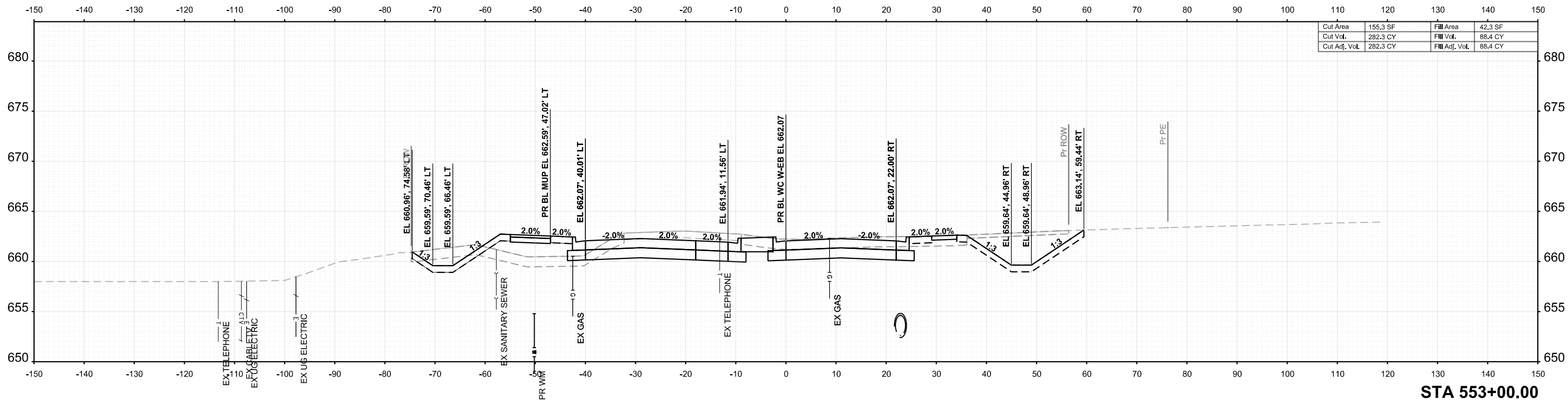
CROSS SECTIONS
DOUGLAS RD - WEST EASTBOUND

SCALE: 1"=10' SHEET 24 OF 77 SHEETS STA. 552+00.00 TO STA. 552+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	384
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

ORIGINAL SURVEY	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
NOTE BOOK	TEMPLATE _____		
	AREAS _____		
NO. _____	AREAS CHECKED _____		

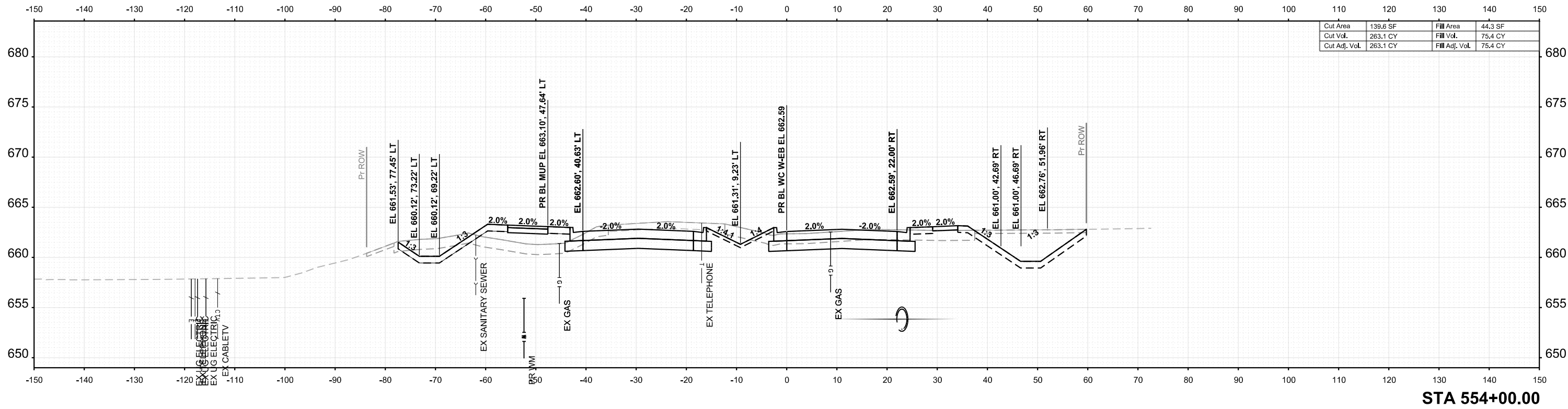
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FILE NAME: c:\pwwordir\benesch projects\project



F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	385
		CONTRACT NO. 87846		
ILLINOIS		FED. AID PROJECT		

ORIGINAL SURVEY	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
NOTE BOOK	TEMPLATE _____		
	AREAS _____		
NO. _____	AREAS CHECKED _____		

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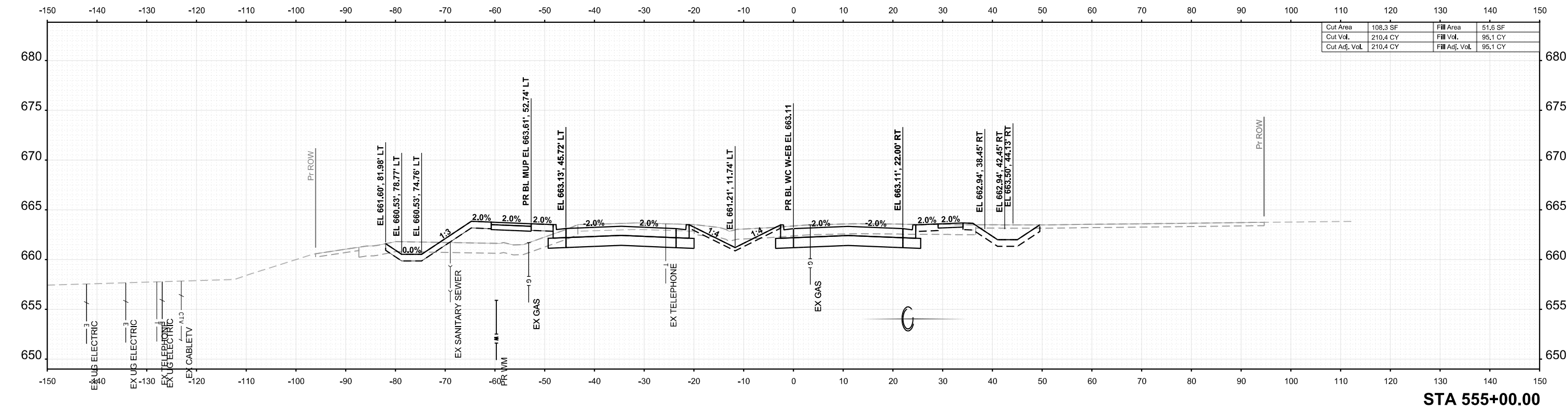
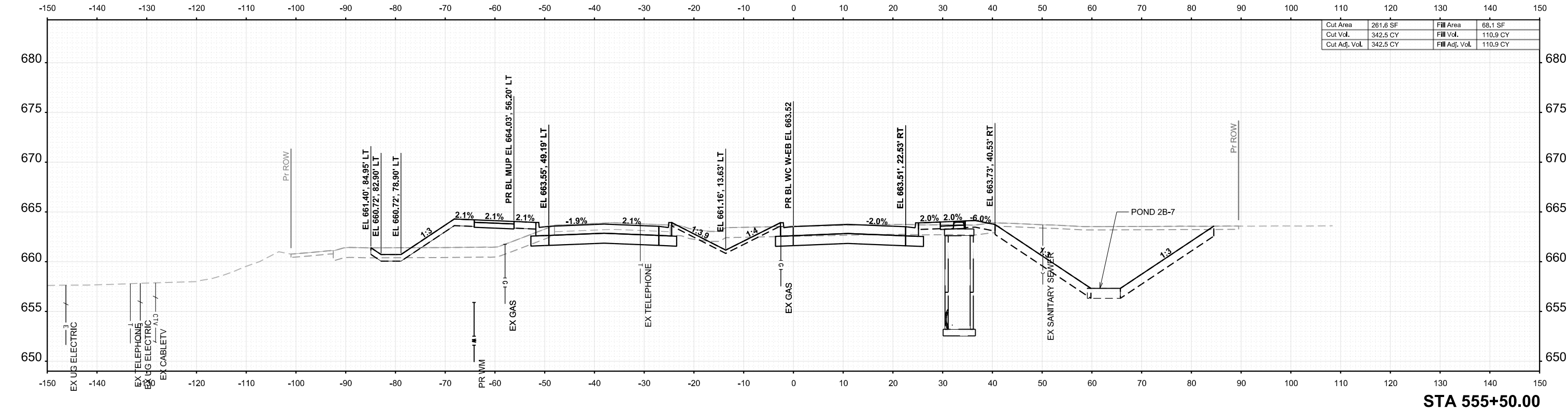


F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	386
		CONTRACT NO. 87846		
ILLINOIS		FED. AID PROJECT		

FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

MODEL: PRDOUG_W_EB - 555+00.00 (Sheet)
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USER NAME = tblank
PLOT SCALE = \$SCALE\$
PLOT DATE = 3/25/2025

DESIGNED - A.FAULKNER
DRAWN - A.FAULKNER
CHECKED - J.MAJEWSKI
DATE - 07/04/2025

REVISED -
REVISED -
REVISED -
REVISED -



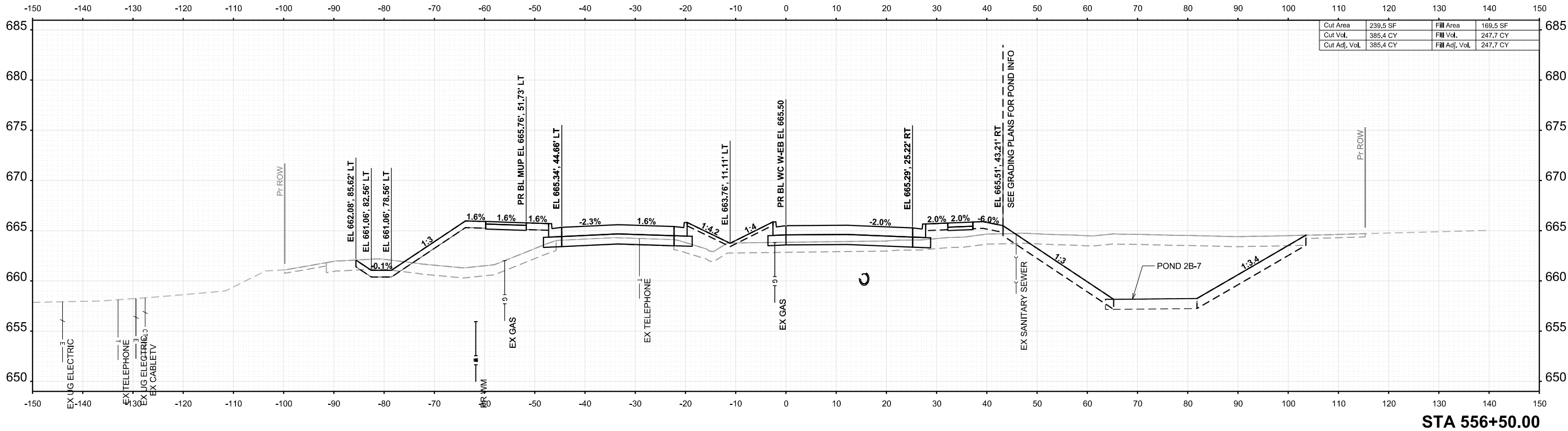
Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

CROSS SECTIONS
DOUGLAS RD - WEST EASTBOUND

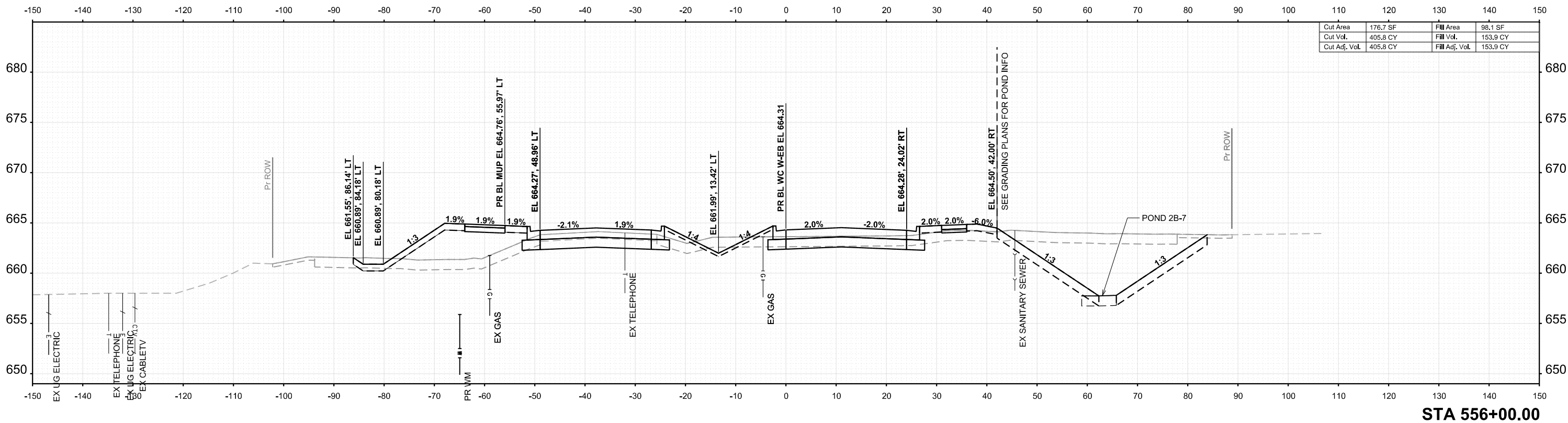
SCALE: 1"=10' SHEET 27 OF 77 SHEETS STA. 555+00.00 TO STA. 555+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	387
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY			BY	DATE
NOTE BOOK	SURVEYED			
	PLOTTED			
	TEMPLATE			
	AREAS			
NO.	AREAS CHECKED			



ORIGINAL SURVEY	SURVEYED _____		BY _____	DATE _____
	PLOTTED _____			
NOTE BOOK	TEMPLATE _____			
	AREAS _____			
NO. _____	AREAS CHECKED _____			



MODEL: PRDOUG_W_EB - 556+00.00 (Sheet)
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USER NAME = tblank
PLOT SCALE = \$SCALE\$
PLOT DATE = 3/25/2025

DESIGNED - A.FAULKNER
DRAWN - A.FAULKNER
CHECKED - J.MAJEWSKI
DATE - 07/04/2025

REVISED -
REVISED -
REVISED -
REVISED -



Village of Oswego, IL
100 Parkers Mill
Oswego, IL 60543
630-554-3618

CROSS SECTIONS
DOUGLAS RD - WEST EASTBOUND

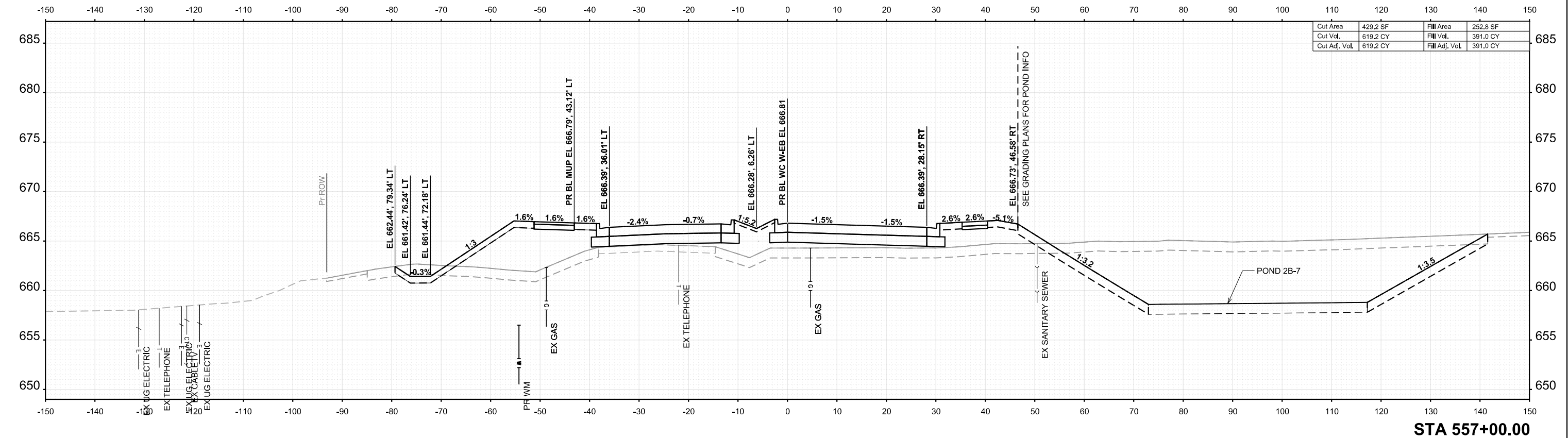
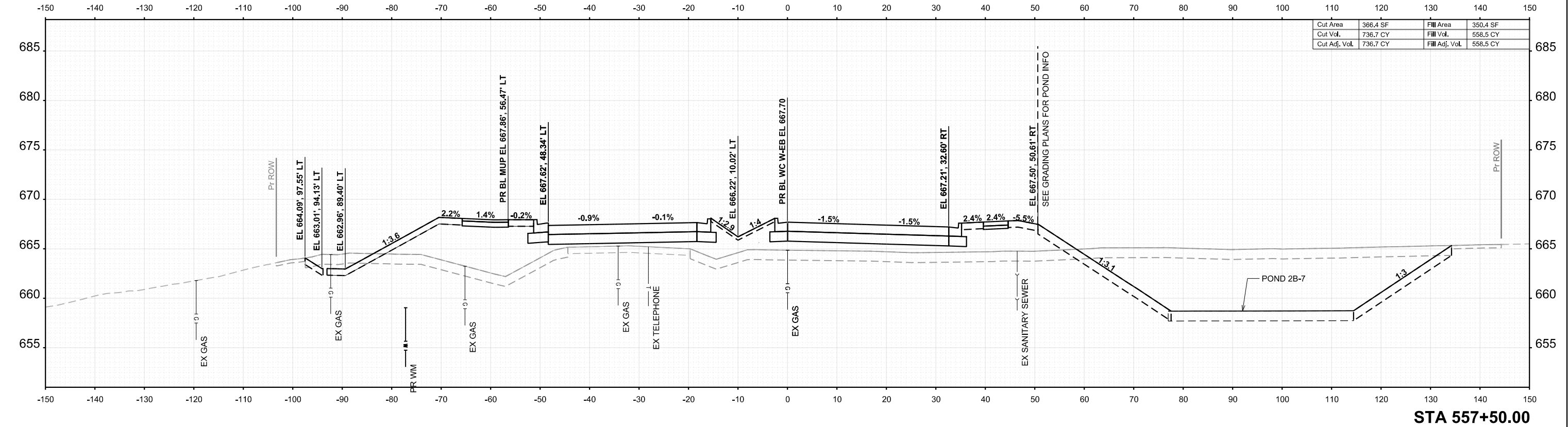
SCALE: 1"=10'
SHEET 28 OF 77 SHEETS
STA. 556+00.00 TO STA. 556+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	388
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

MODEL: PRDOUG_W_EB - 557+00.00 (Sheet)
FILE NAME: c:\pword\benesch\projects\project30\182898\1058520\SH-XS-Road.dgn



USER NAME = tblank	DESIGNED - A.FAULKNER	REVISED -
	DRAWN - A.FAULKNER	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - J.MAJEWSKI	REVISED -
PLOT DATE = 3/25/2025	DATE - 07/04/2025	REVISED -



Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

CROSS SECTIONS
DOUGLAS RD - WEST EASTBOUND

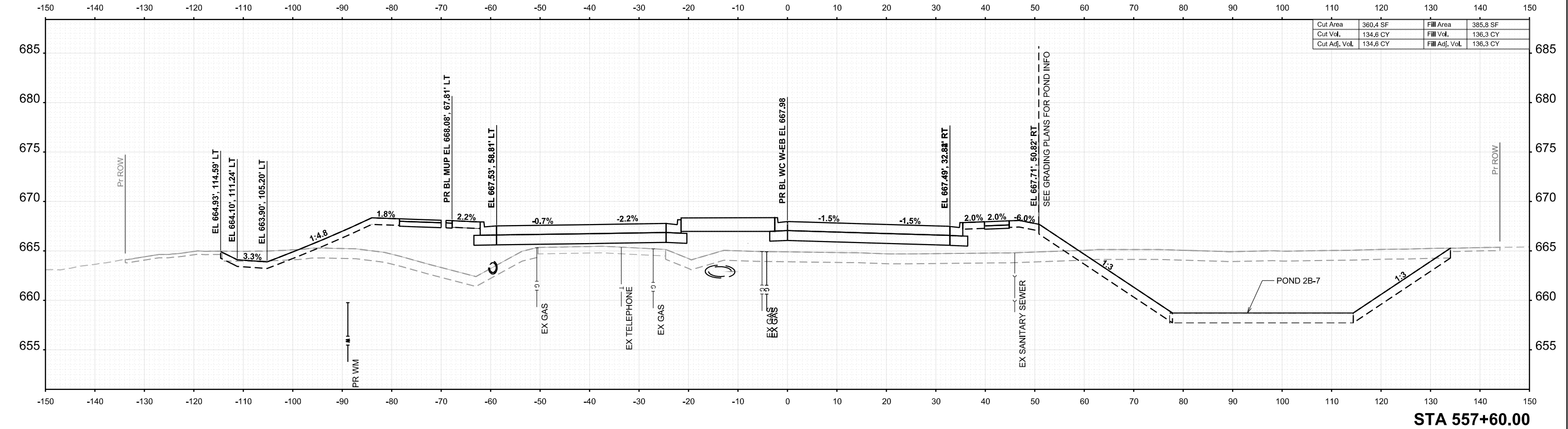
SCALE: 1"=10' SHEET 29 OF 77 SHEETS STA. 557+00.00 TO STA. 557+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	389
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	NO. _____	SURVEYED _____	BY _____	DATE _____
		PLOTTED _____		
		TEMPLATE _____		
		AREAS _____		
NOTE BOOK		AREAS CHECKED _____		

ORIGINAL SURVEY	NO. _____	SURVEYED _____	BY _____	DATE _____
		PLOTTED _____		
		TEMPLATE _____		
		AREAS _____		
NOTE BOOK		AREAS CHECKED _____		

MODEL: PRDOUG_W_EB - 557+60.00 (Sheet)
FILE NAME: c:\pwork\benesch\projects\project360182868\10585-20-SH-XS-Road.dgn



Cut Area	360.4 SF	Fill Area	385.8 SF
Cut Vol.	134.6 CY	Fill Vol.	136.3 CY
Cut Adj. Vol.	134.6 CY	Fill Adj. Vol.	136.3 CY



USER NAME = tblank	DESIGNED - A.FAULKNER	REVISED -
	DRAWN - A.FAULKNER	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - J.MAJEWSKI	REVISED -
PLOT DATE = 3/25/2025	DATE - 07/04/2025	REVISED -



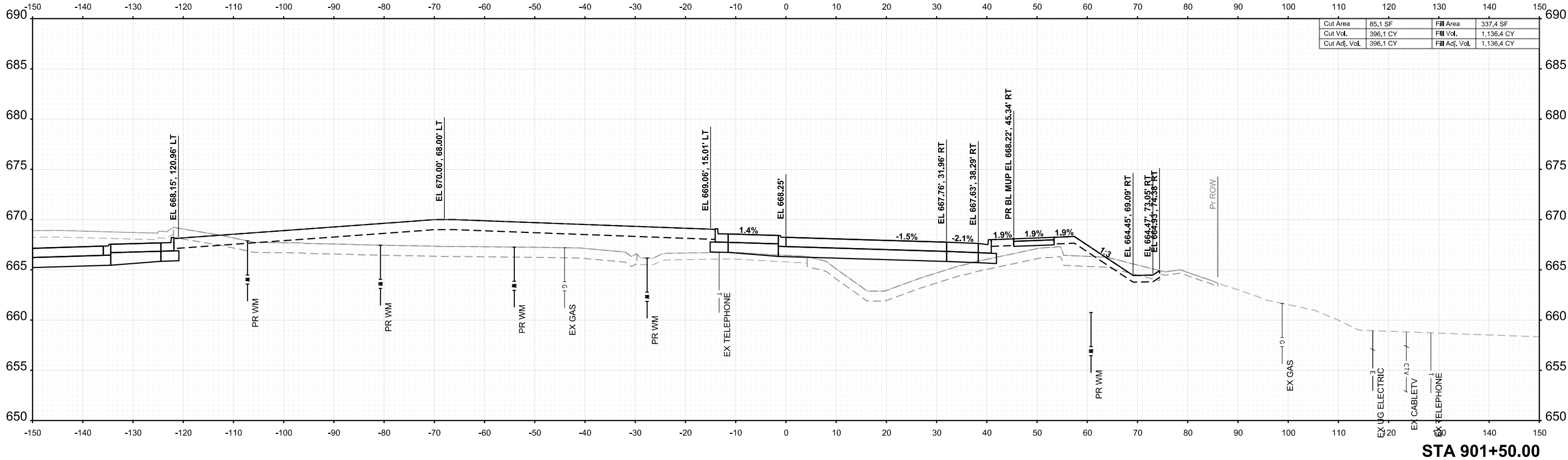
Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

CROSS SECTIONS
DOUGLAS RD - WEST EASTBOUND

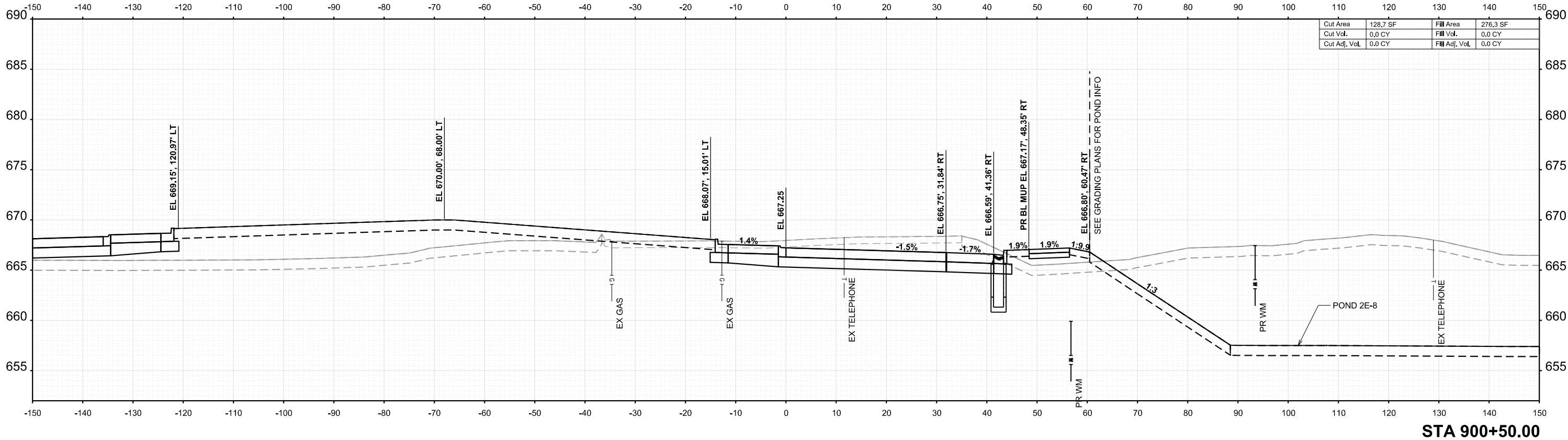
SCALE: 1"=10' SHEET 30 OF 77 SHEETS STA. 557+60.00 TO STA. 557+60.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	390
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		



ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		



MODEL: PRDOUGLAS_RBT - 900+50.00 (Sheet) 1/3
FILE NAME: c:\pword\benesch\projects\project340182868\058520\SH-XS-Road.dgn



USER NAME	= scyrs
PLOT SCALE	= \$\$SCALE\$
PLOT DATE	= 5/8/2025

DESIGNED	- A.FAULKNER
DRAWN	- A.FAULKNER
CHECKED	- J.MAJEWSKI
DATE	- 07/04/2025

REVISED	-
REVISED	-
REVISED	-
REVISED	-



Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

CROSS SECTIONS
DOUGLAS RD - ROUNDABOUT

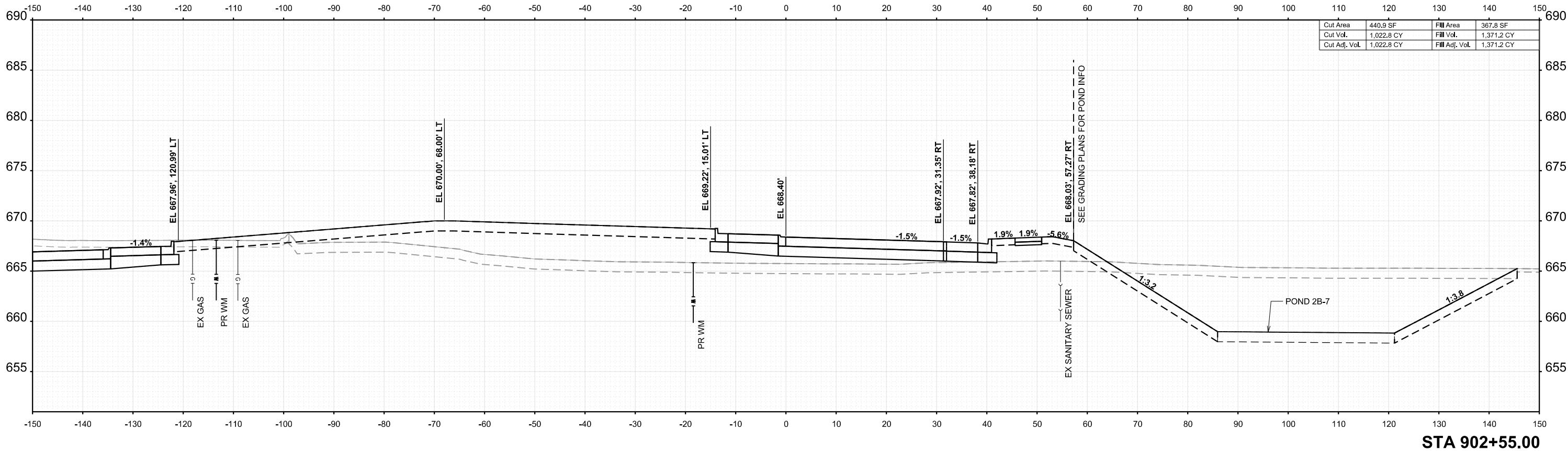
SCALE: 1"=10' SHEET 31 OF 77 SHEETS STA. 900+50.00 TO STA. 901+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	391
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY	NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

MODEL: PRDOUGLAS_RBT - 902+55.00 (Sheet) No.
FILE NAME: c:\pwworking\benesch\projects\01828681\058520\SH-XS-Road.dgn



USER NAME = tblank	DESIGNED - A.FAULKNER	REVISED -
	DRAWN - A.FAULKNER	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - J.MAJEWSKI	REVISED -
PLOT DATE = 3/25/2025	DATE - 07/04/2025	REVISED -



Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

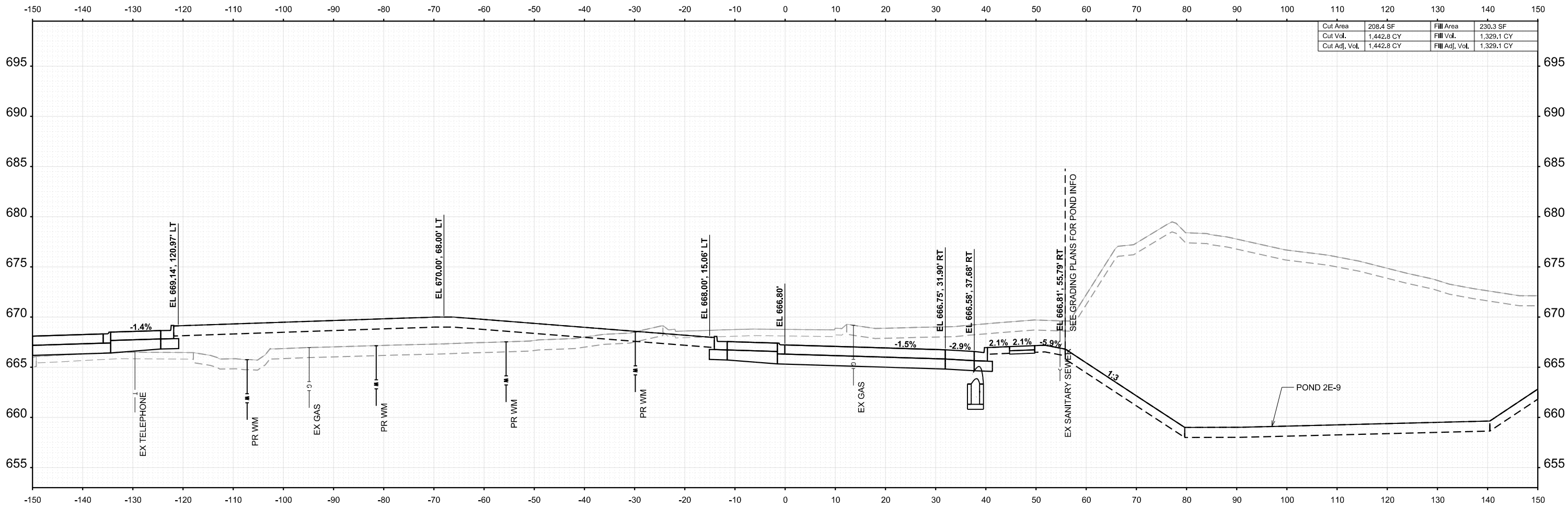
CROSS SECTIONS DOUGLAS RD - ROUNDABOUT			
SCALE: 1"=10'	SHEET 32	OF 77 SHEETS	STA. 902+55.00 TO STA. 902+55.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	392
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY	NOTE BOOK	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

MODEL: PRDOUGLAS_RBT - 903+75.00 (Sheet) .dwg
FILE NAME: c:\pwworking\benesch\projects\project340182868\1058520\SH-XS-Road.dgn



Cut Area	208.4 SF	Fill Area	230.3 SF
Cut Vol.	1,442.8 CY	Fill Vol.	1,329.1 CY
Cut Adj. Vol.	1,442.8 CY	Fill Adj. Vol.	1,329.1 CY

STA 903+75.00



USER NAME = tvogler	DESIGNED - A.FAULKNER	REVISED -
	DRAWN - A.FAULKNER	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - J.MAJEWSKI	REVISED -
PLOT DATE = 3/21/2025	DATE - 07/04/2025	REVISED -



Village of Oswego, IL
100 Parkers Mill
Oswego, IL 60543
630-554-3618

CROSS SECTIONS
DOUGLAS RD - ROUNDABOUT

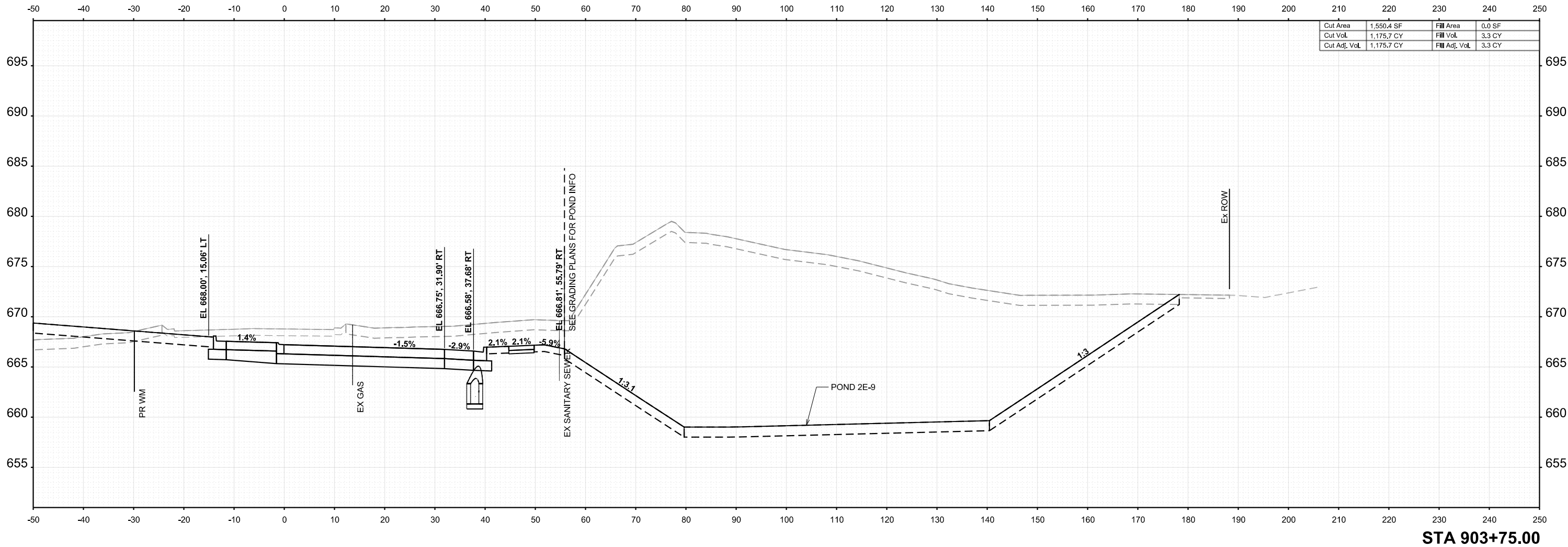
SCALE: 1"=10' SHEET 33 OF 77 SHEETS STA. 903+75.00 TO STA. 903+75.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	393
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	NO.	SURVEYED PLOTTED TEMPLATE AREAS AREAS CHECKED	BY	DATE

ORIGINAL SURVEY	NOTE BOOK	SURVEYED PLOTTED TEMPLATE AREAS AREAS CHECKED	BY	DATE

MODEL: PRDOUGLAS_RBT - 903+75.00-1 [Sheet 34]
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USER NAME	= tblank	DESIGNED	- A.FAULKNER	REVISED	-
DRAWN	- A.FAULKNER	DRAWN	- A.FAULKNER	REVISED	-
PLOT SCALE	= \$SCALE\$	CHECKED	- J.MAJEWSKI	REVISED	-
PLOT DATE	= 3/25/2025	DATE	- 07/04/2025	REVISED	-



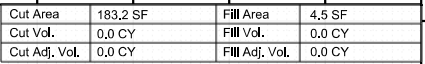
Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

CROSS SECTIONS DOUGLAS RD - ROUNDABOUT			
SCALE:	SHEET 34	OF 77	SHEETS
STA. 903+75.00		TO STA. 903+75.00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	394
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

ORIGINAL SURVEY			BY		DATE
	SURVEYED				
	PLOTTED				
	TEMPLATE				
	AREAS				
	AREAS CHECKED				
NO.					

FILE NAME: c:\pwwordir\benesch projects\projects\d0182898\10585.20-Sht-XS-Road.dgn

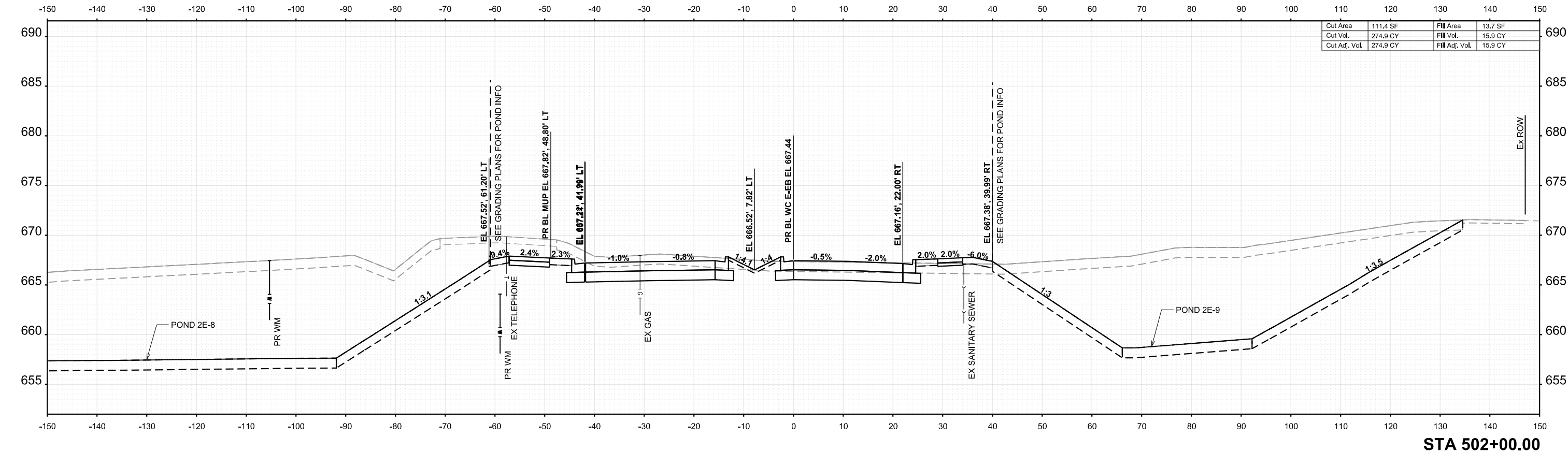
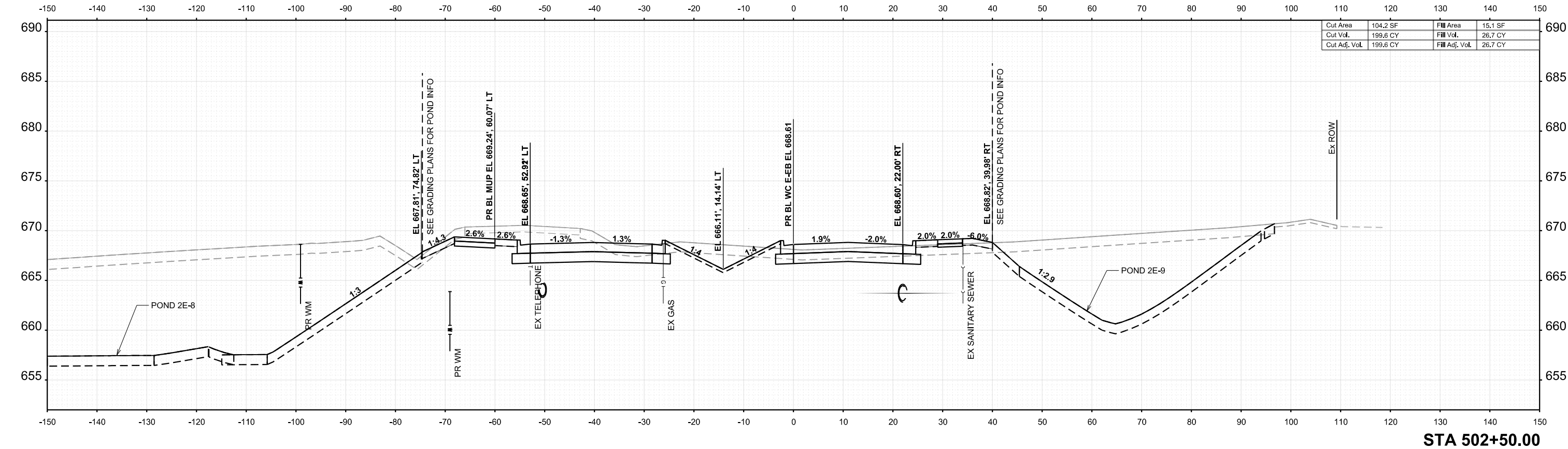


STA 501+40.00

FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS		
	CHECKED		
	AREAS		
	CHECKED		

ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS		
	CHECKED		
	AREAS		
	CHECKED		

MODEL: PRDOUG_E_EB - 502+00.00 [Steel]
FILE NAME: c:\pword\benesch\projects\00182898\0056520\SH-XS-Road.dgn



USER NAME	= tblank	DESIGNED	- A.FAULKNER	REVISED	-
DRAWN	- A.FAULKNER	DRAWN	- A.FAULKNER	REVISED	-
PLOT SCALE	= \$SCALE\$	CHECKED	- J.MAJEWSKI	REVISED	-
PLOT DATE	= 3/25/2025	DATE	- 07/04/2025	REVISED	-



Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

CROSS SECTIONS
DOUGLAS RD - EAST EASTBOUND

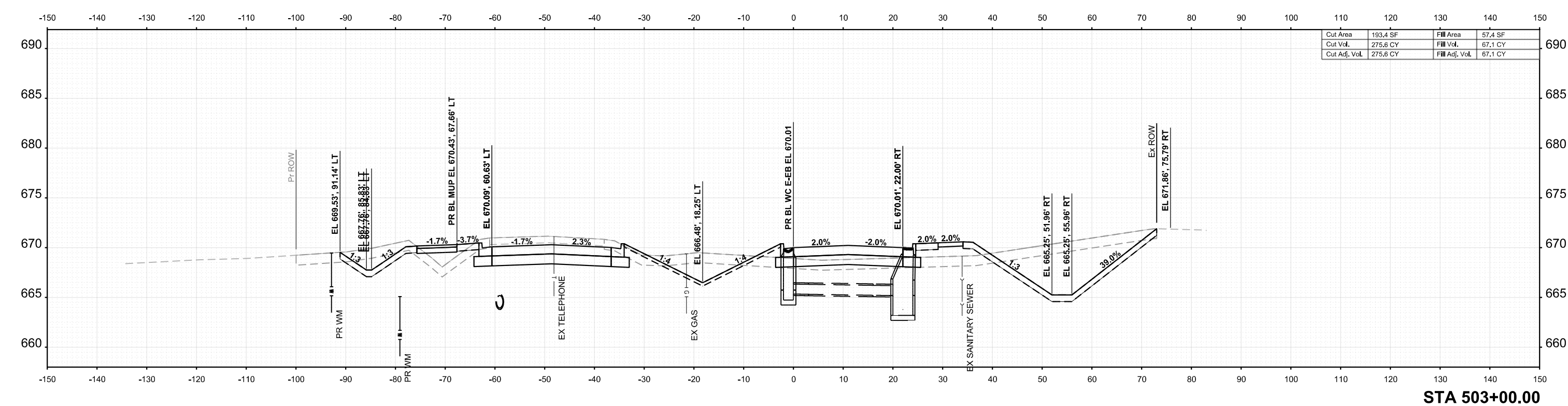
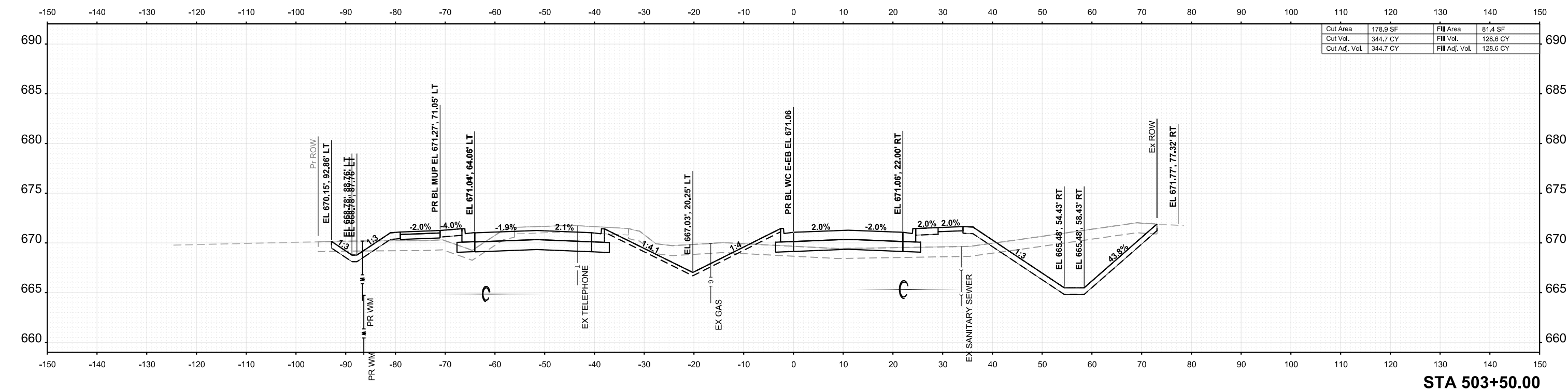
SCALE: 1"=10' SHEET 37 OF 77 SHEETS STA. 502+00.00 TO STA. 502+50.00

F.A.U	SECTION	COUNTY	TOTAL	SHEET
RTE.			SHEETS	NO.
1577	23-00052-02-PV	KENDALL	437	397
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

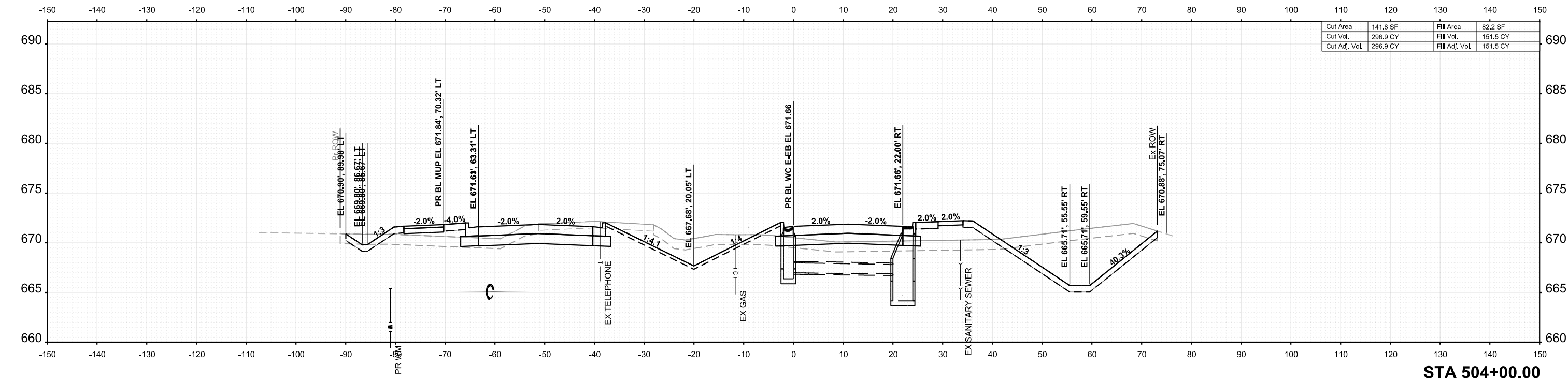
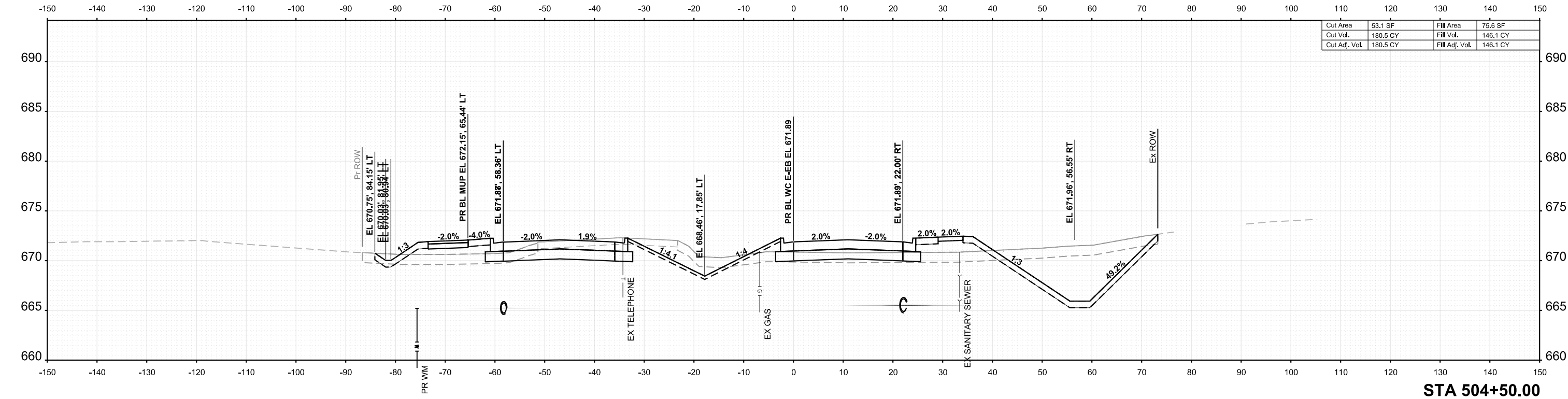
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FILE NAME: c:\pwork\benesch\projects\project360\182888\10585-20-LSHXS-Road.dgn



FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

MODEL: PRDOUG_E_EB - 504+00.00 [Steel]
FILE NAME: c:\pwork\benesch\projects\5040182868\0585-20-5th-XS-Road.dgn



USER NAME = tblank	DESIGNED - A.FAULKNER	REVISED -
	DRAWN - A.FAULKNER	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - J.MAJEWSKI	REVISED -
PLOT DATE = 3/25/2025	DATE - 07/04/2025	REVISED -



Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

CROSS SECTIONS
DOUGLAS RD - EAST EASTBOUND

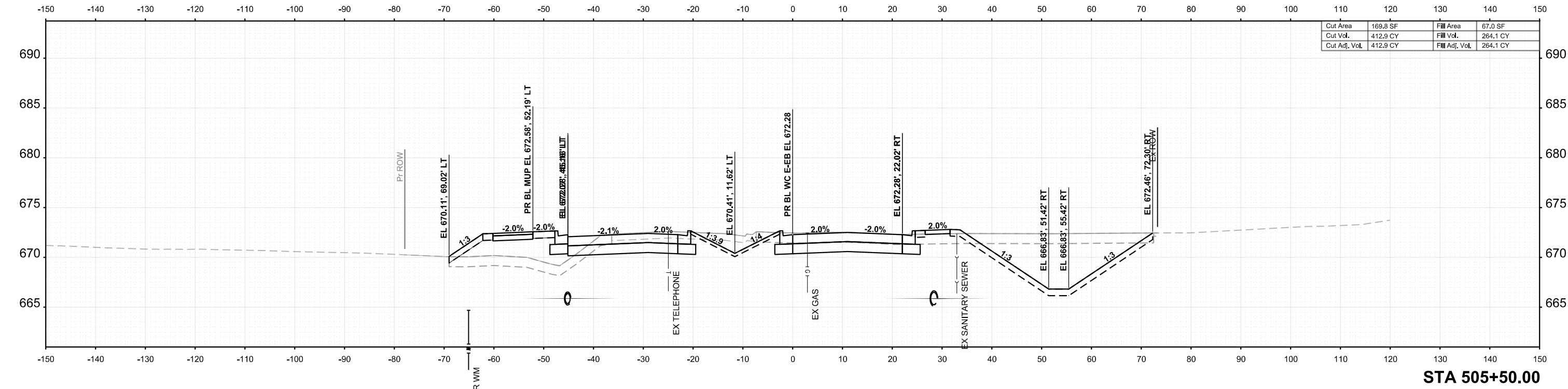
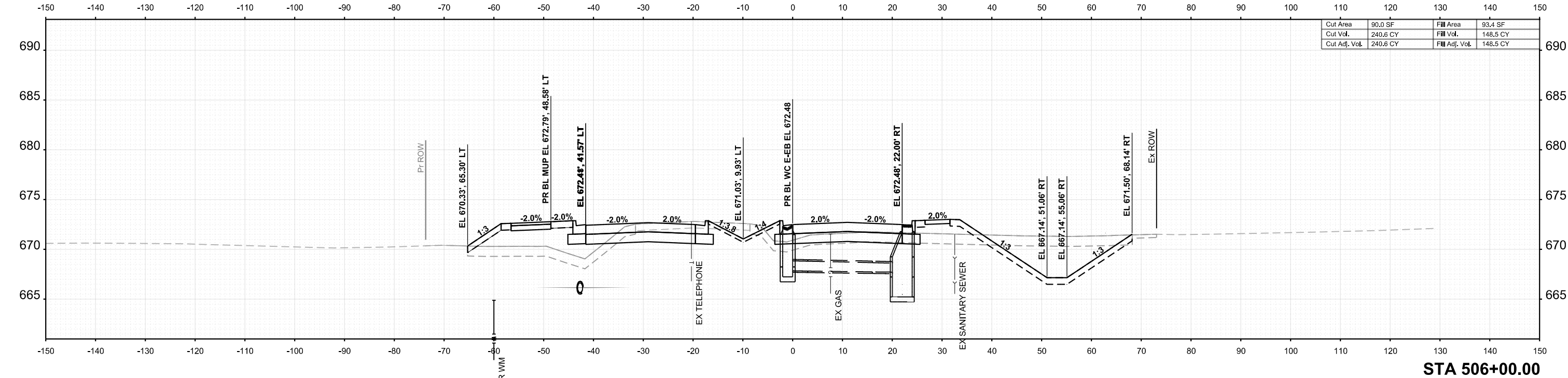
SCALE: 1"=10' SHEET 39 OF 77 SHEETS STA. 504+00.00 TO STA. 504+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1577	23-00052-02-PV	KENDALL	437	399
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				

FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

MODEL: PRDOUG_E_EB - 505+50.00 [Sheet]
FILE NAME: c:\pwork\benesch\projects\00182888\0056520\SH-XS-Road.dgn



USER NAME	= tblank
PLOT SCALE	= \$SCALE\$
PLOT DATE	= 3/25/2025

DESIGNED	- A.FAULKNER
DRAWN	- A.FAULKNER
CHECKED	- J.MAJEWSKI
DATE	- 07/04/2025

REVISED	-
REVISED	-
REVISED	-
REVISED	-



Village of Oswego, IL
100 Parkers Mill
Oswego, Illinois 60543
630-554-3618

CROSS SECTIONS
DOUGLAS RD - EAST EASTBOUND

SCALE: 1"=10' SHEET 40 OF 77 SHEETS STA. 505+50.00 TO STA. 506+00.00

F.A.U	SECTION	COUNTY	TOTAL	SHEET
RTE.			SHEETS	NO.
1577	23-00052-02-PV	KENDALL	437	400
CONTRACT NO. 87846				
ILLINOIS FED. AID PROJECT				