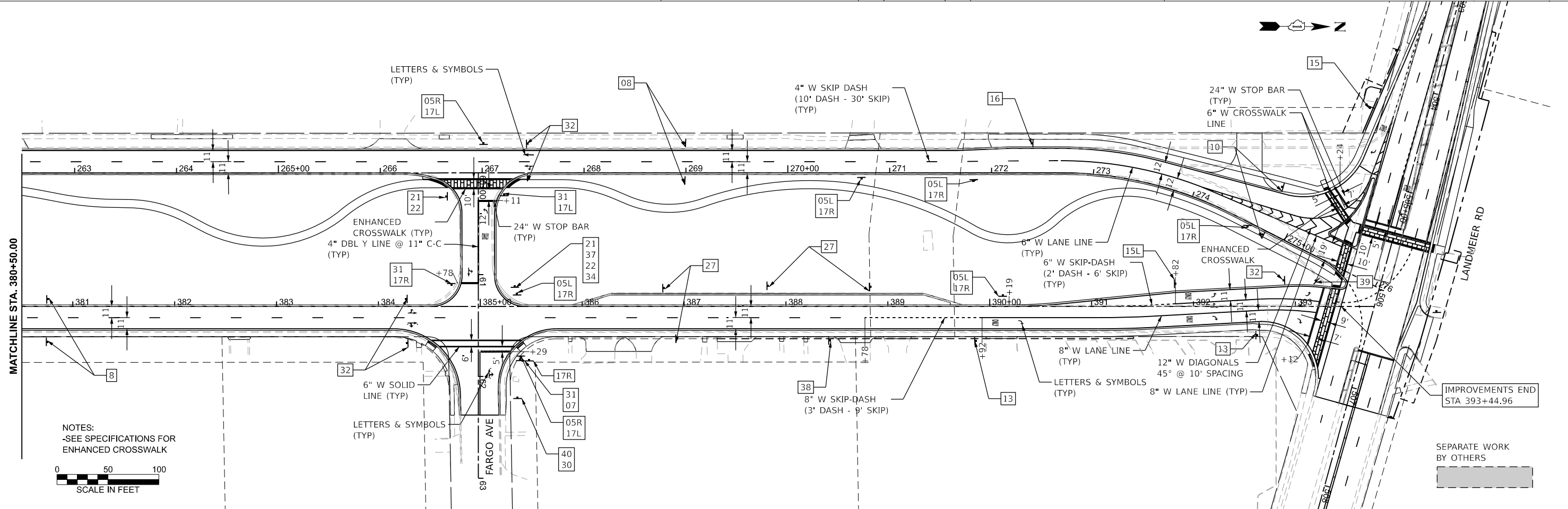
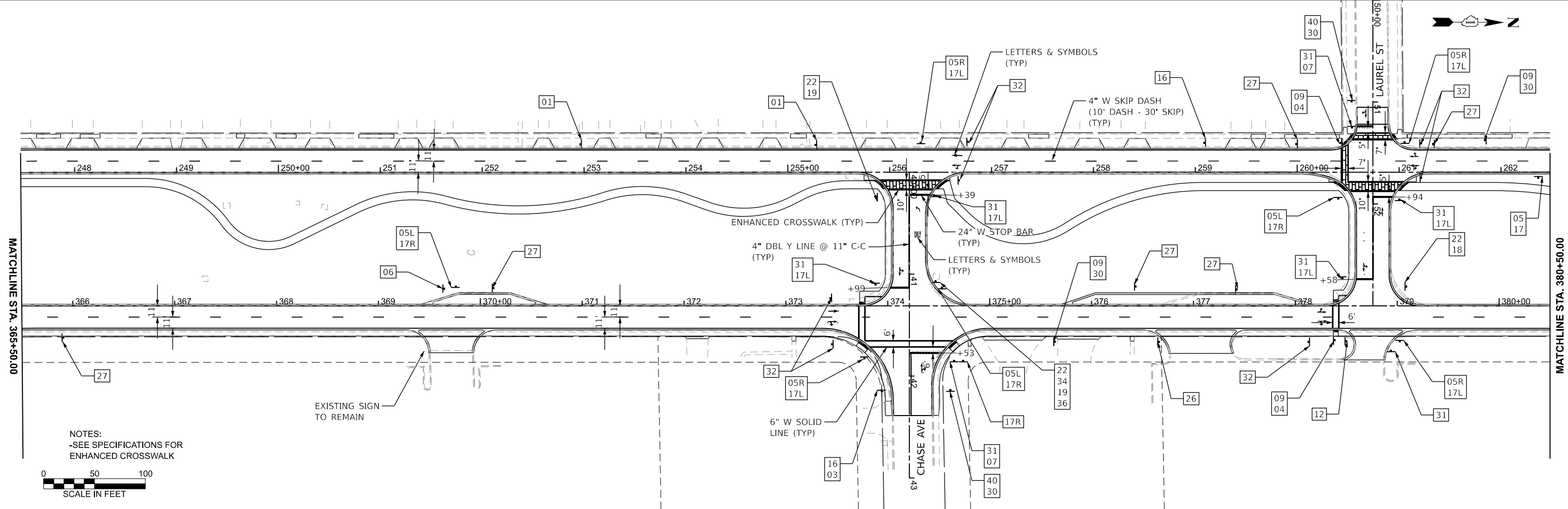




MODEL: Signs (Sheet)
FILE NAME: 220706_PMK_Phase2_Signs_North.dgn



01
CUSTOM
12"x18"



02
REMOVE AND RELOCATE
SIGN PANEL AND
POLE ASSEMBLY



03
CUSTOM
30"x30"
MATCH EXISTING SIGN



04
W16-7P
21" X 15"



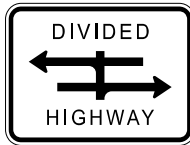
05
R3-2 L
24" X 24"



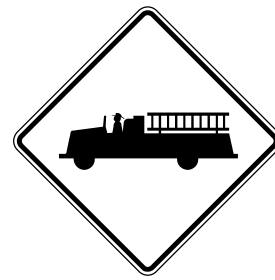
05
R3-1 R
24" X 24"



06
R11-1
30" X 24"



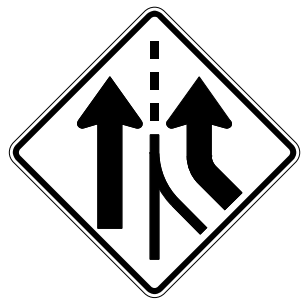
07
R6-3A
30" X 24"



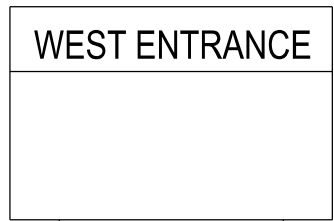
08
RELOCATE SIGN, SPECIAL



09
W11-2*
36"X36"



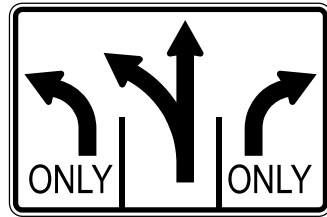
10
W4-3R
36"X36"



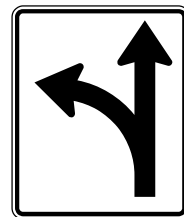
11
REMOVE AND RELOCATE
SIGN PANEL AND
POLE ASSEMBLY



12
REMOVE AND RELOCATE
SIGN PANEL AND
POLE ASSEMBLY



13
R3-8
60" X 36"



14
R3-6
30" X 36"



15
R3-5 R/L
30" X 36"

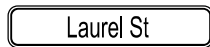


16
R2-1
30"X36"

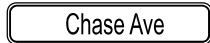


17
R6-1
12"X36"

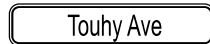
STREET NAME SIGNS SHALL
INCLUDE VILLAGE LOGO



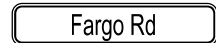
18
D3-1
24"x18"



19
D3-1
24"x18"



20
D3-1
24"x18"



21
D3-1
24"x18"



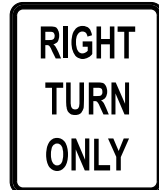
22
D3-1
24"x18"



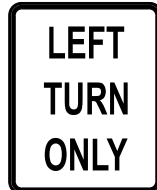
23
D3-2 R/L
40" X 30"



24
D3-2 R/L
40" X 30"



25
R4-21R/L
30" X 24"



27
R7-1
12" X 18"



28
R7-2A
12" X 18"



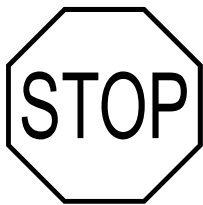
29
R7-108
12" X 18"



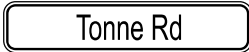
30
REMOVE AND RELOCATE
SIGN PANEL AND
POLE ASSEMBLY



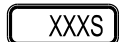
31
R1-1
30" X 30"



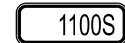
32
R5-1
30" X 30"



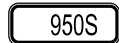
34
D3-1
18"x9"



35
D3-1
18"x9"



36
D3-1
18"x9"



37
D3-1
18"x9"

STREET NUMBER SIGNS SHALL
INCLUDE VILLAGE LOGO



38
R3-7R
36" X 36"



39
R4-7A
24" X 30"



40
W11-1
36" X 36"



HRGreen.com
Illinois Professional Design Firm
184-001322

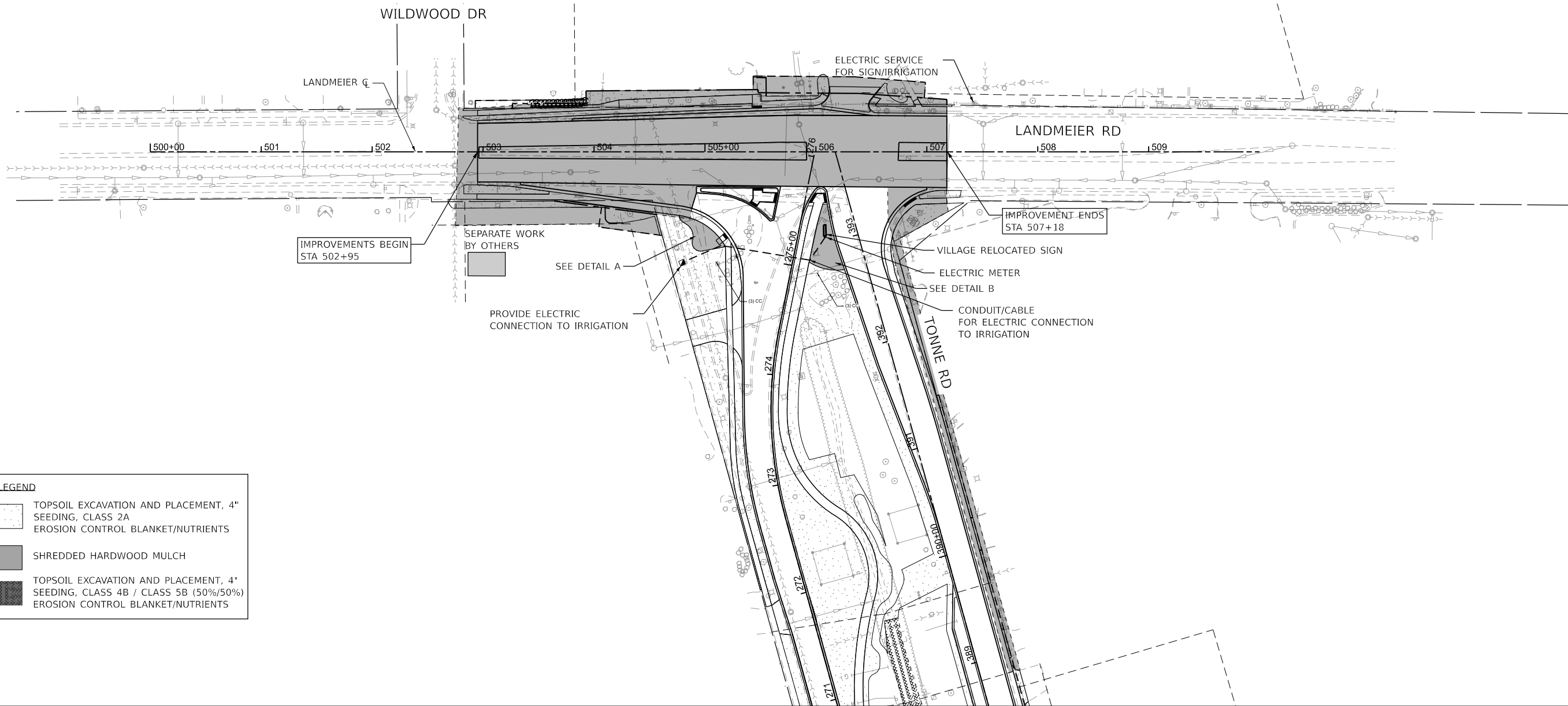
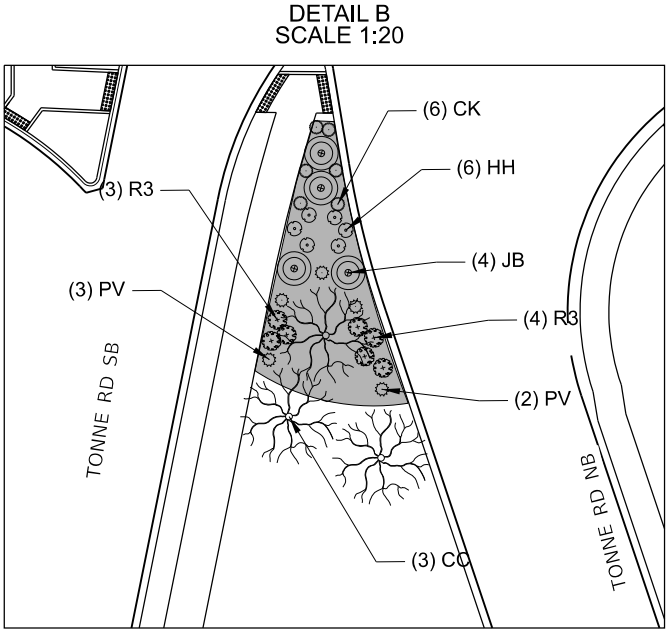
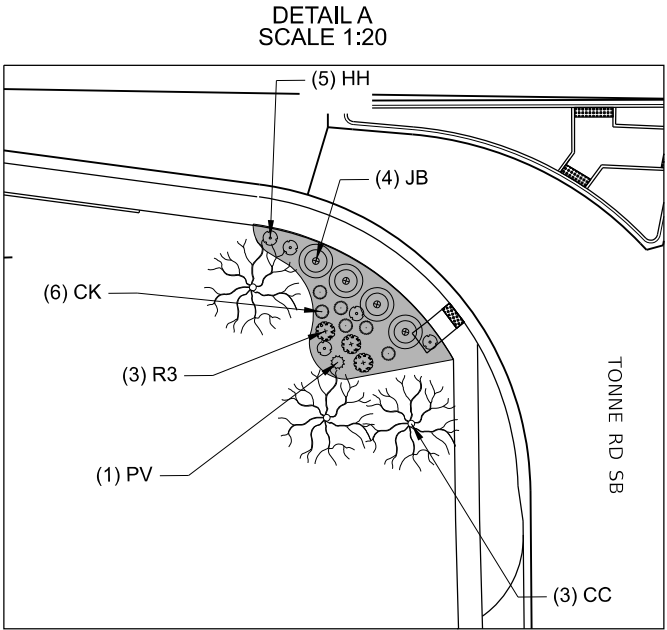
USER NAME	= mzuzdo	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 0.16666633" / In.	CHECKED	-	REVISED	-
PLOT DATE	= 8/5/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING PLAN
TONNE ROAD

SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	102
		CONTRACT NO. 61K93		
		ILLINOIS FED. AID PROJECT		



LEGEND

	TOPSOIL EXCAVATION AND PLACEMENT, 4" SEEDING, CLASS 2A EROSION CONTROL BLANKET/NUTRIENTS
	SHREDDED HARDWOOD MULCH
	TOPSOIL EXCAVATION AND PLACEMENT, 4" SEEDING, CLASS 4B / CLASS 5B (50%/50%) EROSION CONTROL BLANKET/NUTRIENTS

MODEL: Plan Sht 1
FILE NAME: 220706_Landscape_Phase2_Landmeier_North.dgn



HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME = muzzio	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633" / 1 in.	CHECKED -	REVISED -
PLOT DATE = 8/5/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPE AND RESTORATION PLAN
TONNE ROAD

SCALE: 1"=50' SHEET 3 OF 7 SHEETS STA. 498+00.00 TO STA. 513+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	105
CONTRACT NO. 61K93				
ILLINOIS FED. AID PROJECT				

MODEL: Plan Sht 1
FILE NAME: 220706_Lndscp_Phase2_ElkGrove-Touhy_North.dgn



HRGreen.com
Illinois Professional Design Firm
184-001322

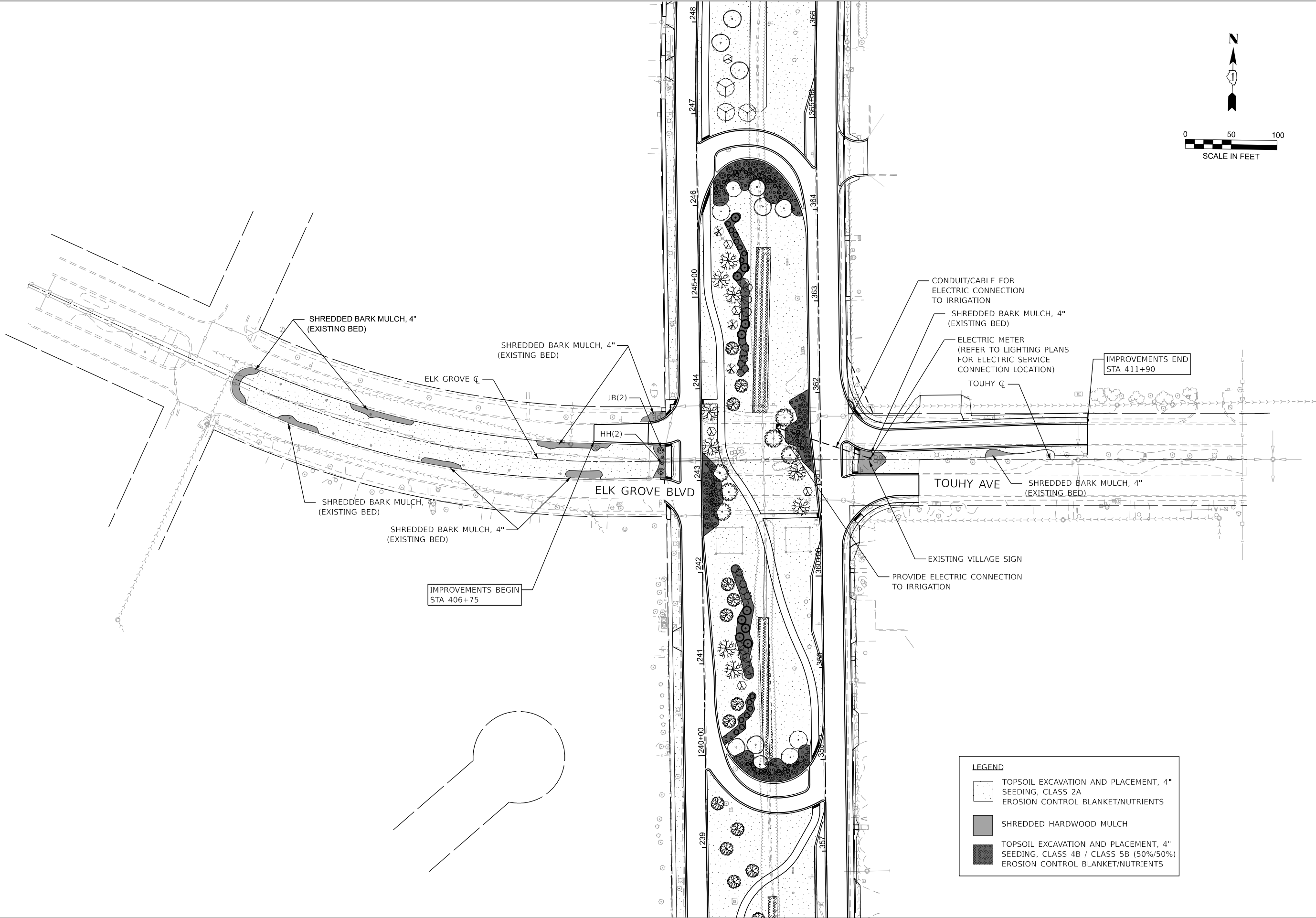
USER NAME	= mzuzda	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 0.16666633" / 1in.	CHECKED	-	REVISED	-
PLOT DATE	= 8/5/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPE AND RESTORATION PLAN
ELK GROVE BLVD / TOUHY AVE

SCALE: 1"=50'
SHEET 4 OF 7 SHEETS
STA. 400+00.00 TO STA. 415+00.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	106
CONTRACT NO.				61K93
ILLINOIS FED. AID PROJECT				



PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL/COMMON NAME	SIZE	SPACING
--------	------	-----	-----------------------	------	---------

SMALL DECIDUOUS TREES



AX

6

TREE, AMELANCHIER X GRANDIFLORA APPLE, (APPLE SERVICEBERRY), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED

2" CAL.



CA

11

TREE, CARPINUS CAROLINIANA (AMERICAN HORNBEAM), 2" CALIPER, BALLED AND BURLAPPED

2" CAL.



CC

22

TREE, CERCIS CANADENSIS (EASTERN REDBUD), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED

2" CAL.



CM

34

TREE, CORNUS MAS (CORNELIAN CHERRY DOG WOOD), 5' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED

5' HT.



CI

21

TREE, CRATAEGUS CRUSGALLI INERMIS (THORN LESS COCKSPUR HAWTHORN), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED

2" CAL.



MO

24

TREE, MAGNOLIA STELLATA (STAR MAGNOLIA), 5' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED

5' HT.



MR

28

TREE, MALUS ROYAL RAINDROPS (ROYAL RAINDROPS CRABAPPLE), 2 1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED

2 1/2" CAL.



MS

13

TREE, MALUS SPRING SNOW (SPRING SNOW CRABAPPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED

2" CAL.

TALL SHRUBS



FM

31

SHRUB, FORSYTHIA X MEADOWLARK, 3' HEIGHT, BALLED AND BURLAPPED

3' HEIGHT

72" O.C.



HS

54

SHRUB, HAMAMELIS VERNALIS (VERNAL WITCH HAZEL), 5' HEIGHT, BALLED AND BURLAPPED

5' HEIGHT

96" O.C.



VS

30

SHRUB, VIBURNUM DENTATUM SYNNESTVEDT (CHICAGO LUSTRE ARROWWOOD VIBURNUM), 3' HEIGHT, BALLED AND BURLAPPED

3' HEIGHT

120" O.C.



VL

36

SHRUB, VIBURNUM LENTAGO (NANNYBERRY), CONTAINER GROWN, 5-GALLON

5 GAL.

120" O.C.

DECIDUOUS SHRUBS



R3

67

SHRUB, ROSA RADRAZZ (KNOCKOUT ROSE), CONTAINER GROWN, 3-GALLON

3 GAL.

48" O.C.



RP

16

SHRUB, LIGUSTRUM OBTUSIFOLIUM REGELIANUM (REGEL PRIVET), 3' HEIGHT, BALLED AND BURLAPPED

3' HEIGHT

36" O.C.

EVERGREEN SHRUBS



JB

46

SHRUB, RHUS AROMATICA GRO-LOW (GRO-LOW FRAGRANT SUMAC), 2' WIDTH, BALLED AND BURLAPPED

2' WIDTH

84" O.C.

PERENNIALS



CK

70

CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER' / KARL FOERSTER FEATHER REED GRASS

1 GAL.

36" O.C.



PV

92

PANICUM VIRGATUM / SWITCH GRASS

1 GAL.

36" O.C.



HH

34

HEREROCALLIS C 'HAPPY RETURNS' / HAPPY RETURNS DAYLILY

1 GAL.

36" O.C.



SHREDDED HARWOOD MULCH (INCLUDED IN THE COST OF TREES, PERENNIALS, GRASSES, AND SHRUBS)

2545 SQ YD

MULCH PLACEMENT, 4" (FOR USE IN EXISTING BEDS THAT REMAIN)

463 SQ YD

EXISTING LANDSCAPING AT THE
RADIUS RETURNS SHALL BE PROTECTED
WHEN POSSIBLE.
ADDITIONAL HAPPY RETURNS DAYLILY'S
ARE PROVIDED TO REPLACE THOSE IMPACTED.

MODEL: Detail 01 [Sheet]
FILE NAME: \\hrgreen.com\hrg\Draws\2022\220706\CAD\CAD_Sheets\Phase II North\220706_Landscape-detail.dgn



HRGreen.com
Illinois Professional Design Firm
184-001322

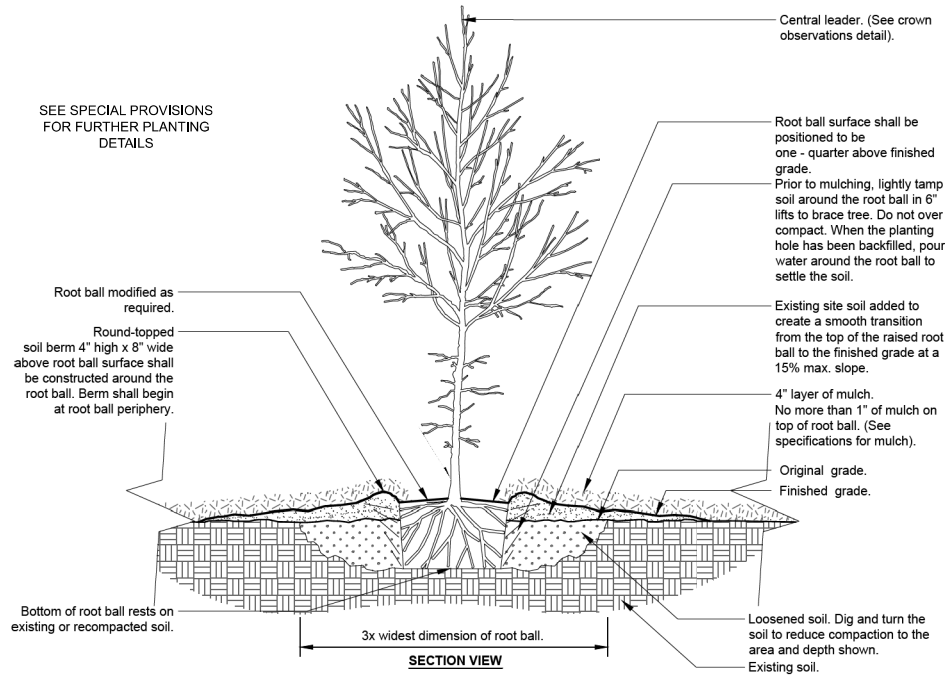
USER NAME = mzuzdo	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 1/In.	CHECKED -	REVISED -
PLOT DATE = 8/5/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

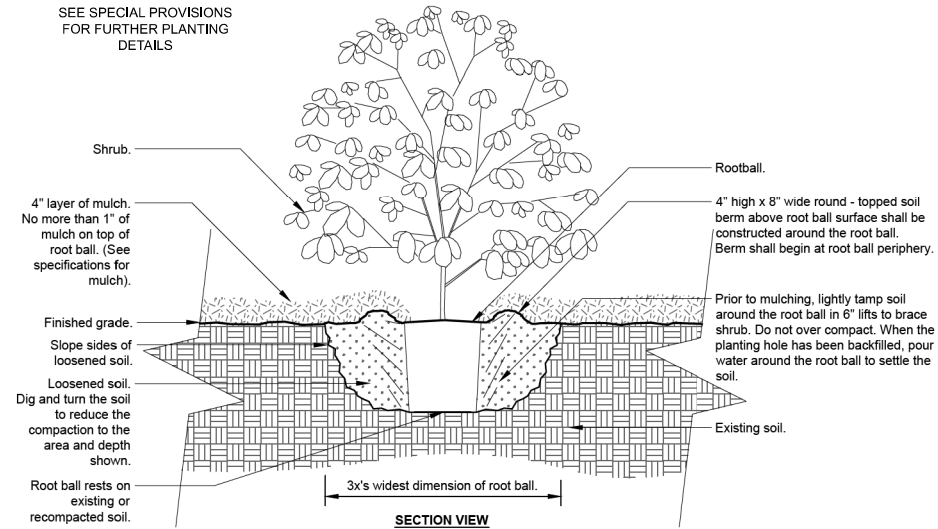
LANDSCAPE AND RESTORATION PLAN
DETAILS

SCALE: SHEET 5 OF 7 SHEETS STA. TO STA.

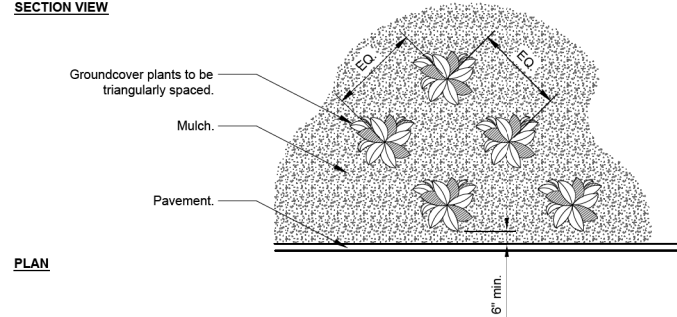
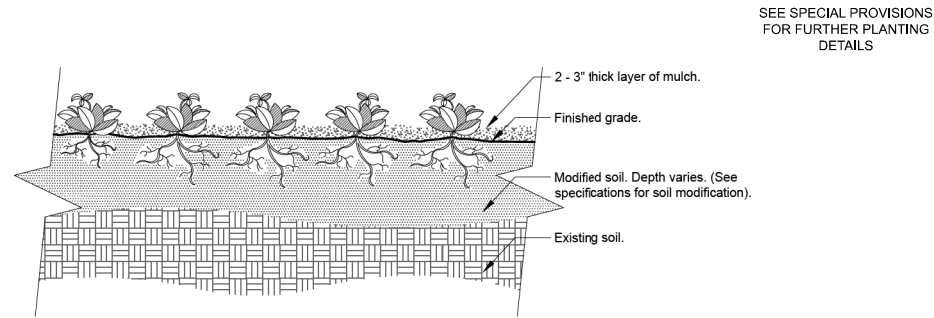
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	107
		CONTRACT NO. 61K93		
		ILLINOIS FED. AID PROJECT		



TREE DETAIL
SCALE: NTS



SHRUB PLANTING DETAIL
SCALE: NTS



PERENNIAL PLANTING DETAIL
SCALE: NTS

MODEL: Detail 2 [Sheet]
FILE NAME: \\hrgreen.com\hrg\Drawings\2022\20220706\CAD\CAD_Sheets\Phase II North\2020706_Landscape-detail.dgn



HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME = mzuzda	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633' / In.	CHECKED -	REVISED -
PLOT DATE = 8/5/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPE AND RESTORATION PLAN
DETAILS

SCALE: SHEET 6 OF 7 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	108
CONTRACT NO. 61K93				
ILLINOIS FED. AID PROJECT				

MODEL: Signs (Sheet)
FILE NAME: \\hrgreen.com\hrg\Drawings\Phase II North\220706_Det_Signs_01.dgn



HRGreen.com
Illinois Professional Design Firm
#184-001322

USER NAME	= muzzdo	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 0.16666633' / In.	CHECKED	-	REVISED	-
PLOT DATE	= 8/5/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

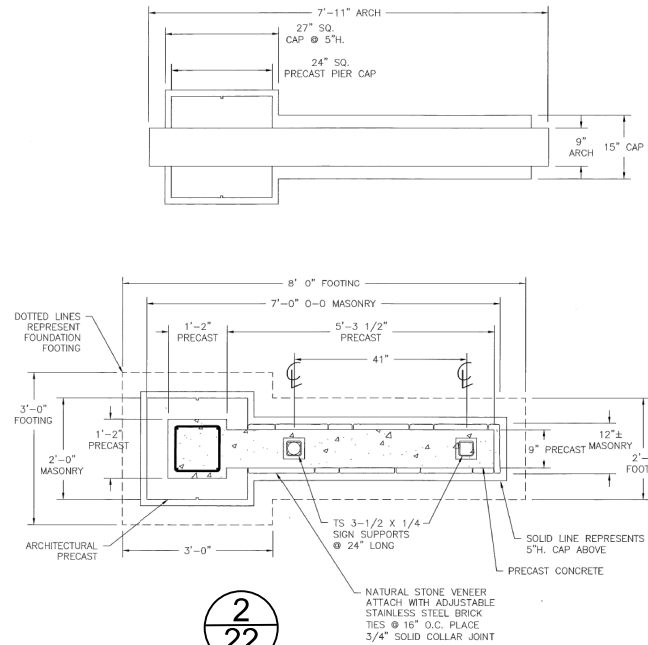
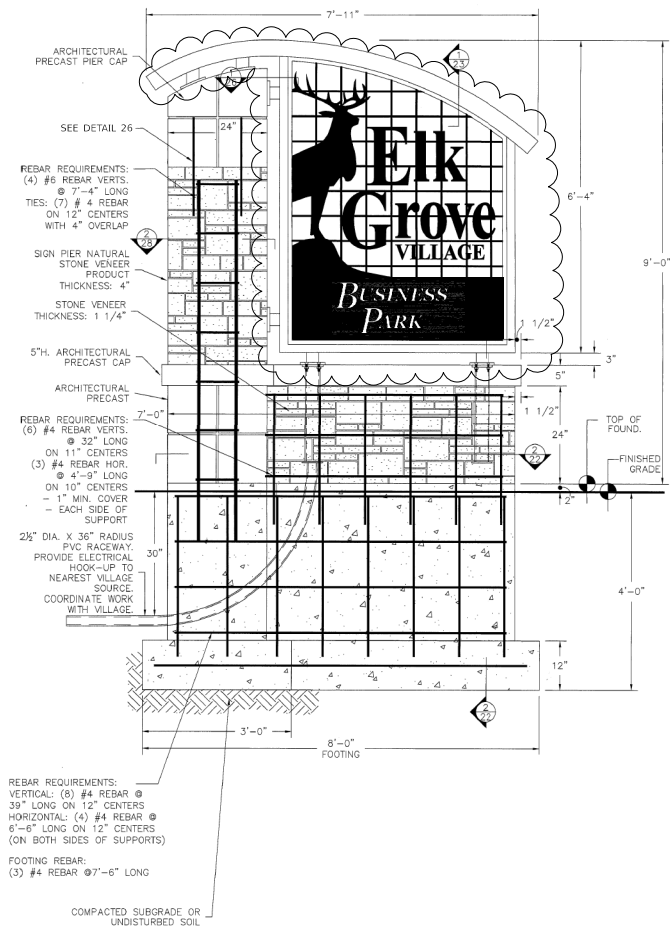
LANDSCAPE AND RESTORATION PLAN
VILLAGE SIGN DETAILS

SCALE: SHEET 7 OF 7 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	109
CONTRACT NO.				61K93
ILLINOIS FED. AID PROJECT				

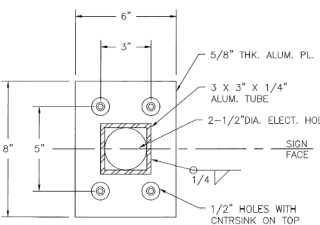
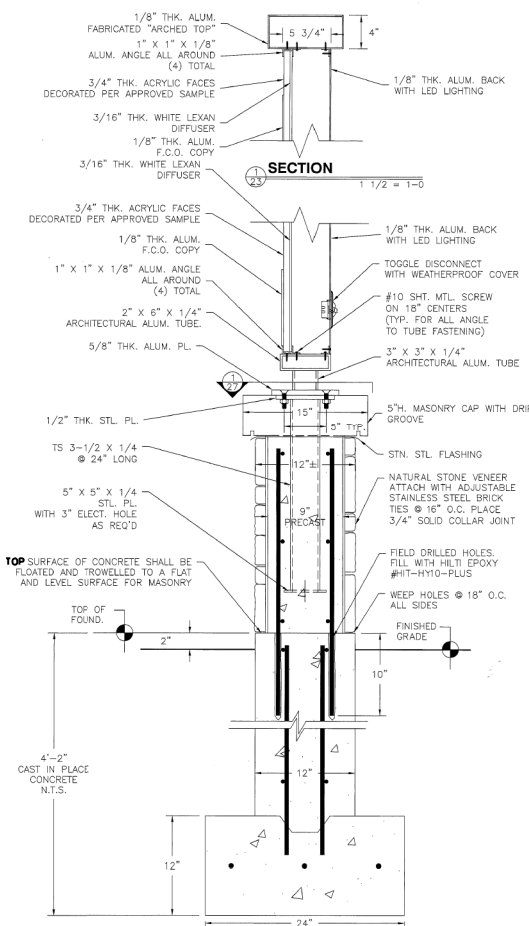
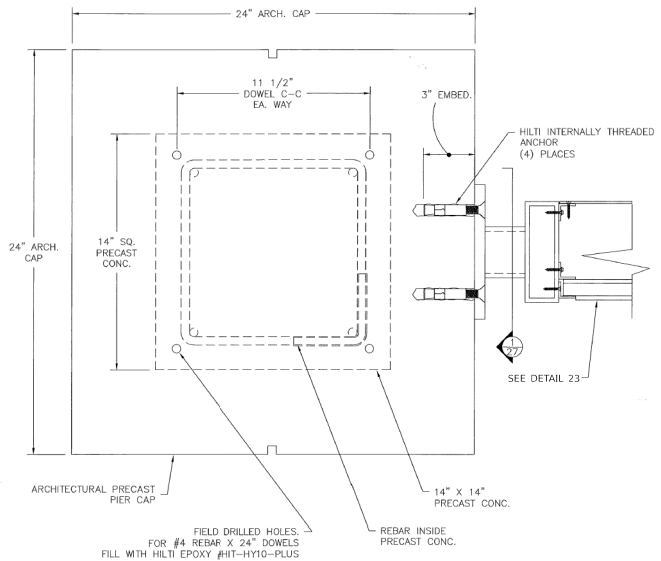


VIEW FROM NORTHBOUND TONNE ROAD

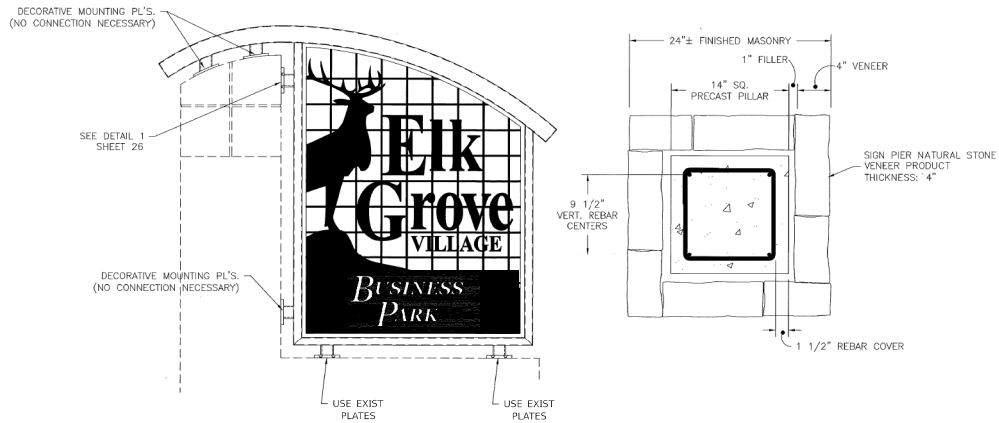


SPECIFICATIONS:

- DESIGN WIND PRESSURE PER CHAPTER 16, IBC 2006 CODE V = 90 MPH (22 PSF).
- CONCRETE SHALL ATTAIN A 28 DAY COMPRESSIVE STRENGTH OF $f'_c = 3000$ P.S.I.
- VIBRATE ALL CONCRETE TO ELIMINATE AIR POCKETS.
- PROVIDE A SMOOTH AND LEVEL, TROWELLED SURFACE AT FOUNDATION TOP FOR MASONRY.
- THE INSTALLATION CREW SHALL VERIFY AT THE TIME OF EXCAVATION THAT THE FOUNDATION WILL BE IN UNDISTURBED CLAY AND CONTAIN NO ORGANIC OR FILL MATERIALS, AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES. DESCRIBED FOUNDATION SHALL BE EXCAVATED IN SOIL HAVING AN ALLOWABLE BEARING CAPACITY OF 3000 P.S.F. AND AN ALLOWABLE LATERAL SOIL RESISTANCE OF 150 PSF / FT. DEPTH.
- SEPARATE ALL DISSIMILAR METALS WITH BITUMINOUS PAINT TO PREVENT GALVANIC ACTION.
- MAINTAIN 3" (MINIMUM) COVER FOR ALL STEEL SET IN CONCRETE UNLESS OTHERWISE NOTED.
- DO NOT WELD REBAR.
- ALL EXPOSED TUBES SHALL BE CAPPED.
- ALL ALUMINUM SHEET SHALL BE 6061-T6 OR 5052-H38.
- ALL STRUCTURAL ALUMINUM SHALL BE 6061-T6.
- ALUMINUM SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST ALUMINUM ASSOCIATION SPECIFICATIONS FOR ALUMINUM STRUCTURES.
- ALL WELDS SHALL BE GRIND SMOOTH AND BE FREE FROM DEFECTS.
- ALL SIGNS MUST BE PERMANENTLY GROUNDED. PRECAST TO BE FABRICATED BY CAST STONE CO.
- BACKFILL MUST BE COMPACTED TO 3000 PSF.
- PROVIDE NON-SHRINKING GROUT BETWEEN PRECAST CONCRETE AND CAST-IN-PLACE CONCRETE.



ALUMINUM PLATE LAYOUT

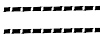


GENERAL FREESTANDING SIGNAGE NOTES:

GENERAL NOTES

- CONTRACTOR SHALL CAREFULLY REMOVE AND SALVAGE ALL SIGNAGE ELEMENTS OF EXISTING SIGNAGE FOR RELOCATION AND REUSE.
- CONTRACTOR SHALL DEMO EXISTING SIGN BASE AND DISCONNECT/ ABANDON POWER SUPPLY AT THE DIRECTION OF THE OWNER'S REPRESENTATIVE.
- THE LANDSCAPE PLANS CONTAINED HEREIN ILLUSTRATE APPROXIMATE LOCATIONS OF ALL SITE CONDITIONS. REFER TO SURVEY, ARCHITECTURAL, CIVIL ENGINEERING, STRUCTURAL, ELECTRICAL, IRRIGATION AND ALL OTHER DRAWINGS, IF AVAILABLE, FOR ADDITIONAL DETAILED INFORMATION.
- THE CONTRACTOR SHALL APPLY FOR AND PROCURE ALL REQUIRED PERMITS PRIOR TO COMMENCING WORK.
- THE CONTRACTOR SHALL COMPLY WITH ALL CODES APPLICABLE TO THIS WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH SUBCONTRACTORS AND OTHER CONTRACTORS OF RELATED TRADES, AS REQUIRED, TO ACCOMPLISH THE PLANTING AND RELATED OPERATIONS.
- SIGN DRAWINGS ARE PROVIDED FOR REFERENCE ONLY AND ARE NOT TO SCALE.
- SHOP DRAWINGS SHALL BE PROVIDED FOR REVIEW.
- STAMPED STRUCTURAL PLANS ARE REQUIRED.

IRRIGATION LEGEND

SYMBOL	DESCRIPTION
	BACKFLOW PREVENTER: 3/4" FEBCO 825YA REFER TO DETAILS.
	DRIP CONTROL VALVE ASSEMBLY: HUNTER PCZ DRIP ZONE KIT 1" VALVE
	QUICK COUPLER: RAINBIRD 44LRC
	GATE VALVE – RESILIENT WEDGE, SQUARE NUT TOP, LINE SIZE
	EMITTER LATERAL PIPE: UV RADIATION RESISTANT POLYETHYLENE, 1" SIZE (ROUTING IS DIAGRAMMATIC) INSTALL CHECK VALVE IN LINE ON DRIP LATERAL EVERY 10' OF ELEVATION DIFFERENCES THAT ARE MORE THAN 10' IN ONE ZONE.
	DRIP FLUSH PLUG ASSEMBLY
	MAINLINE PIPE: 1 1/2" SCHEDULE 40 PVC WITH GLUED FITTINGS.
	P.O.C. – POINT OF CONNECTION
	CLASS 200 PVC SLEEVING, 4" UNLESS OTHERWISE NOTED
	— INDICATES CONTROLLER AND CONTROLLER STATION NUMBER
	— INDICATES LATERAL DISCHARGE IN GPM
	— INDICATES REMOTE CONTROL VALVE SIZE IN INCHES
	NEW HUNTER ACC2 TWO WIRE 225 STATION CONTROLLERS IN PLASTIC PEDESTAL ENCLOSURE. MODEL # A2C-225-PP. INSTALL GROUNDING AT CONTROLLER AND ALONG TWO WIRE PATH AS REQUIRED PER HUNTER SPECIFICATIONS. USE 1 STATION HUNTER DECODERS FOR EACH SINGLE VALVE MODEL # ICD-100, INSTALL PER HUNTER SPECIFICATIONS. INSTALL GROUNDING ALONG MAINLINE PATH AND AT CONTROLLER PER HUNTER REQUIREMENTS. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL FINAL EQUIPMENT AND INSTALLATION DETAILS PRE HUNTER SPECIFICATIONS.
	HUNTER 1 1/2" MASTER VALVE MODEL# ICV 1 1/2"
	HUNTER 1" FLOW SENSOR MODEL# FTC-100
	HUNTER WIRELESS SOLAR SYNC MODEL # WSS-SEN

IRRIGATION NOTES

1. Irrigation system is designed to operate off of an existing pressure of 80 psi after water meter and backflow preventer. Contractor to verify pressure PRIOR TO INSTALLATION and notify OWNER of any differences. Design pressure at heads to be as noted in legend.
2. No irrigation work to begin until final grade has been approved.
3. Bury all mainlines 24" underground to top of pipe. Bury all laterals 12"" underground to top of pipe.
4. Pipes in shared trenches are not allowed.
5. Brand all appropriate box lids with 1" minimum letters with the following abbreviations:

QC Quick Coupler
GV Gate Valve
SV# Section Valve & Corresponding Controller Station #
FC Drip Flush Cap
6. All pipe under pavement to be sleeved in 4" minimum PVC class 200 extend 12" beyond each edge of pavement, sloped to drain. Install prior to paving. Sleeve wires separately in 4" min. pipe.
7. All valve wire is to be 14 gauge direct burial Paige 2-wire. All wire splices shall be done with 3M DBR/Y wire splices.
8. Plan has been prepared using limited on-site observation. Plan is diagrammatic and does not reflect all equipment, etc., that could be encountered during construction. All tie locations, mainline locations and lateral locations are approximate and shall require exact location by Contractor.
9. Install drip emitters as described below:

1 gallon material

Rain Bird XB-05PC

1 ea.

5 gallon material

Rain Bird XB-10PC

2 ea.

Deciduous Trees (1-1/2"-2 1/2")

Rain Bird XB-20PC

4 ea.

Deciduous Trees (3"-4" CAL.)

Rain Bird XB-20PC

6 ea.

Evergreen Trees (6'-10')

Rain Bird XB-20PC

4 ea.

Evergreen Trees (11'-14')

Rain Bird XB-20PC

6 ea.
10. See sheet 12.0 and I2.1 for irrigation details.



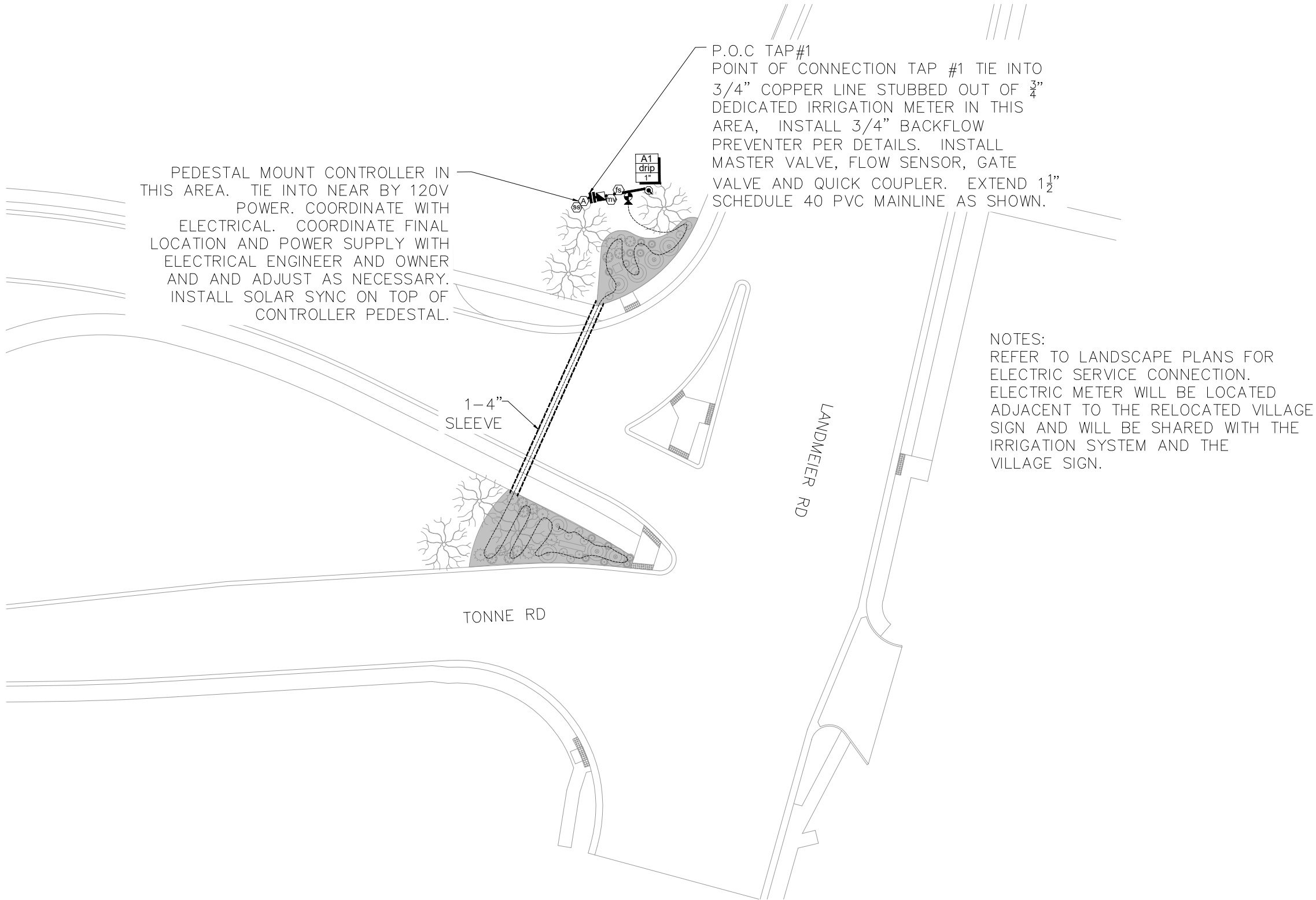
USER NAME =	DESIGNED – KJM	REVISED –
FILE NAME =	DRAWN – KJM	REVISED –
PLOT SCALE =	CHECKED – KJM	REVISED –
PLOT DATE =	DATE – 11/22/2024	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING AND RESTORATION PLAN
IRRIGATION NOTES AND LEGEND

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	20-00073-01-PV	COOK	322	110
CONTRACT NO. 61K93				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PEDESTAL MOUNT CONTROLLER IN THIS AREA. TIE INTO NEAR BY 120V POWER. COORDINATE WITH ELECTRICAL. COORDINATE FINAL LOCATION AND POWER SUPPLY WITH ELECTRICAL ENGINEER AND OWNER AND AND ADJUST AS NECESSARY. INSTALL SOLAR SYNC ON TOP OF CONTROLLER PEDESTAL.

P.O.C TAP #1
POINT OF CONNECTION TAP #1 TIE INTO 3/4" COPPER LINE STUBBED OUT OF 3/4" DEDICATED IRRIGATION METER IN THIS AREA, INSTALL 3/4" BACKFLOW PREVENTER PER DETAILS. INSTALL MASTER VALVE, FLOW SENSOR, GATE VALVE AND QUICK COUPLER. EXTEND 1 1/2" SCHEDULE 40 PVC MAINLINE AS SHOWN.

NOTES:
REFER TO LANDSCAPE PLANS FOR ELECTRIC SERVICE CONNECTION. ELECTRIC METER WILL BE LOCATED ADJACENT TO THE RELOCATED VILLAGE SIGN AND WILL BE SHARED WITH THE IRRIGATION SYSTEM AND THE VILLAGE SIGN.

1 IRRIGATION PLAN TAP #1
1"=20'-0"



COMPANY NAME:
PROJECT CONTACT:
CLIENT:



USER NAME =	DESIGNED - KJM	REVISED -
FILE NAME =	DRAWN - KJM	REVISED -
PLOT SCALE =	CHECKED - KJM	REVISED -
PLOT DATE =	DATE - 11/22/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING AND RESTORATION PLAN
IRRIGATION TAP #1 SCHEMATIC PLAN

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	20-00073-01-PV	COOK	322	111
CONTRACT NO. 61K93				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

I1.1

MATCHLINE SEE SHEET I1.3

MATCHLINE SEE SHEET I1.2

PEDESTAL MOUNT CONTROLLER IN THIS AREA. TIE INTO NEAR BY 120V POWER. COORDINATE WITH ELECTRICAL. COORDINATE FINAL LOCATION AND POWER SUPPLY WITH ELECTRICAL ENGINEER AND OWNER AND AND ADJUST AS NECESSARY. INSTALL SOLAR SYNC ON TOP OF CONTROLLER PEDESTAL.

1-4" SLEEVE

B2 drip 1"
B1 drip 1"

TONNE RD

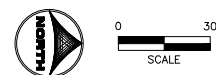
TONNE RD

P.O.C TAP#2
POINT OF CONNECTION TAP #1 TIE INTO 3/4" COPPER LINE STUBBED OUT OF 3/4" DEDICATED IRRIGATION METER IN THIS AREA, INSTALL 3/4" BACKFLOW PREVENTER PER DETAILS. INSTALL MASTER VALVE, FLOW SENSOR, GATE VALVE AND QUICK COUPLER. EXTEND 1 1/2" SCHEDULE 40 PVC MAINLINE AS SHOWN.

1

IRRIGATION PLAN TAP #2

1"=20'-0"



USER NAME =
FILE NAME =
PLOT SCALE =
PLOT DATE =

DESIGNED - KJM
DRAWN - KJM
CHECKED - KJM
DATE - 11/22/2024

REVISED -
REVISED -
REVISED -
REVISED -

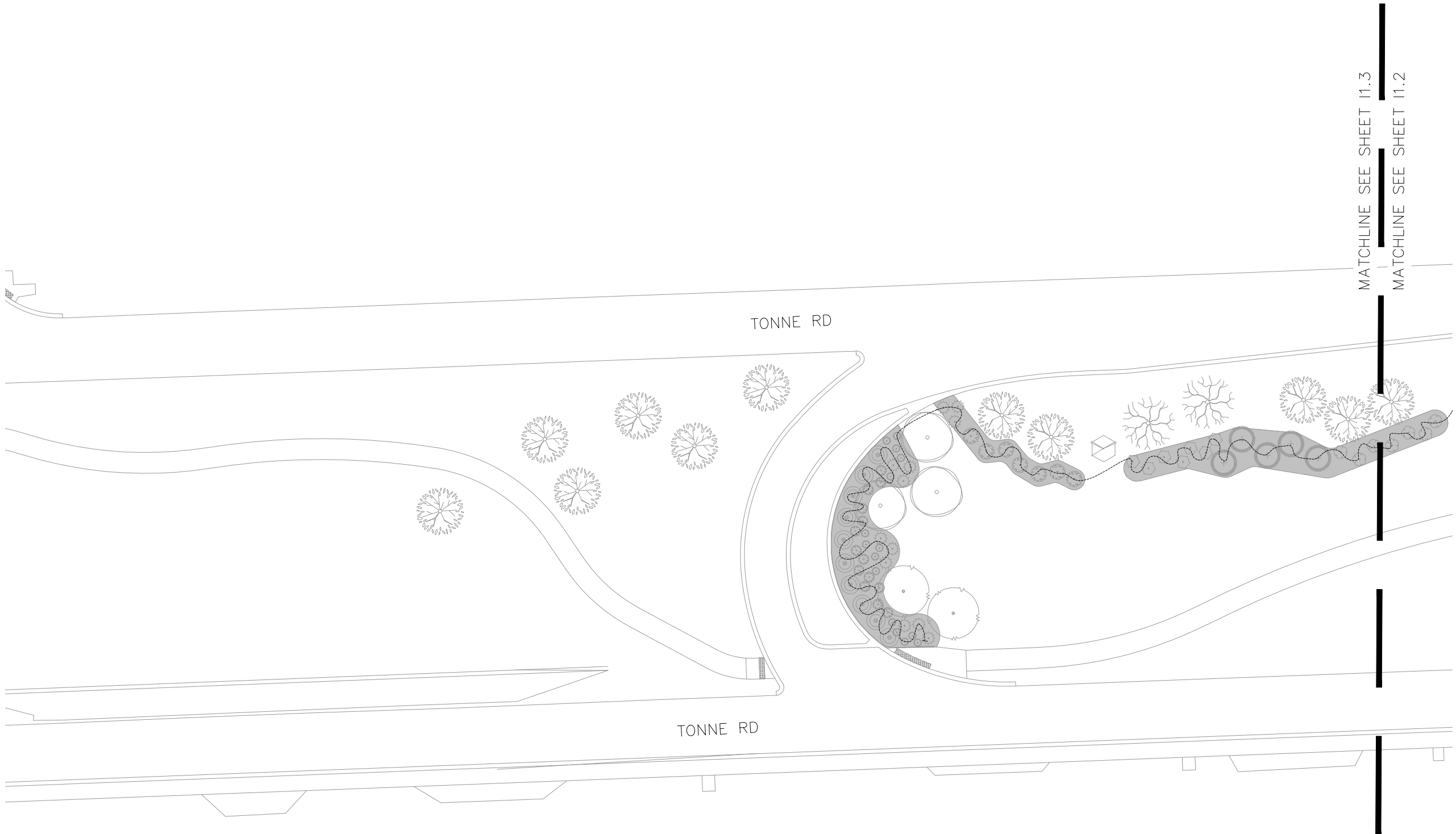
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING AND RESTORATION PLAN
IRRIGATION PLAN TAP #2

SCALE: SHEET NO. OF SHEETS STA. TO STA.

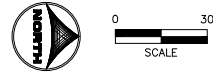
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	20-00073-01-PV	COOK	322	112
CONTRACT NO. 61K93				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

COMPANY NAME:
PROJECT CONTACT:
CLIENT:



MATCHLINE SEE SHEET I1.3
MATCHLINE SEE SHEET I1.2

1 IRRIGATION PLAN TAP #2
1"=20'-0"



COMPANY NAME:
PROJECT CONTACT:
CLIENT:

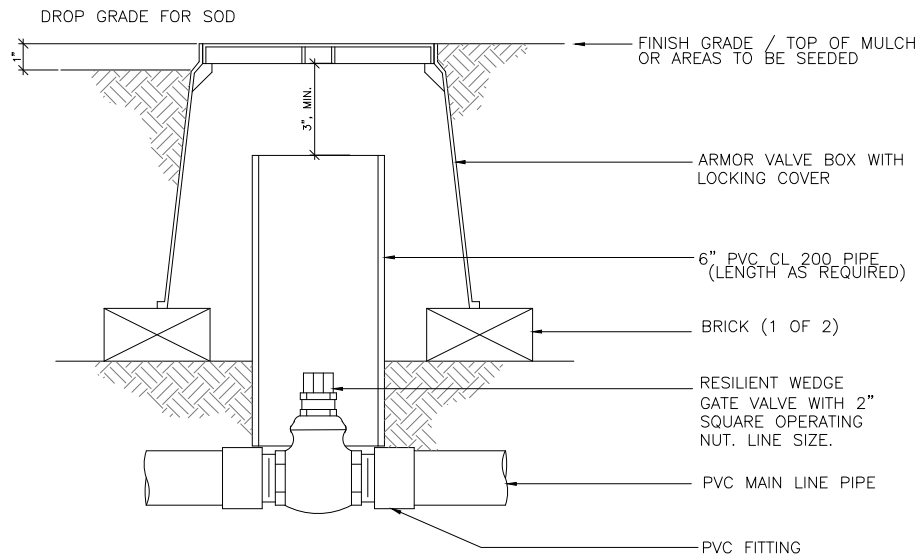


USER NAME =	DESIGNED -- KJM	REVISED --
FILE NAME =	DRAWN -- KJM	REVISED --
PLOT SCALE =	CHECKED -- KJM	REVISED --
PLOT DATE =	DATE -- 11/22/2024	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING AND RESTORATION PLAN IRRIGATION PLAN TAP #2			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE. 0326	SECTION 20-00073-01-PV	COUNTY COOK	TOTAL SHEETS 322	SHEET NO. 113
CONTRACT NO. 61K93				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



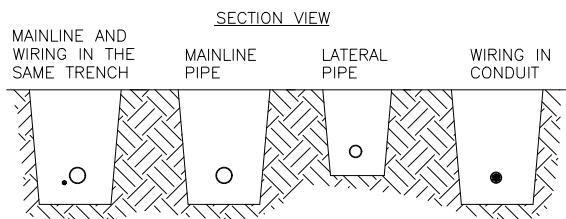
NOTE:

1. NOMINAL SIZE OF GATE VALVE TO MATCH NOMINAL MAINLINE SIZE.
2. INSTALL A 4" THICK CONCRETE PAD BELOW VALVE WITH NO. 4 REBAR WHEN USING PUSH ON TYPE VALVES.

1

ISOLATION GATE VALVE

NOT TO SCALE



RUN WIRING BENEATH AND BESIDE MAINLINE. TAPE AND BUNDLE AT 10-FOOT INTERVALS.

ALL SOLVENT WELD PLASTIC PIPING TO BE SNAKED IN TRENCH AS SHOWN.

TIE A 24-INCH LOOP IN ALL WIRING AT CHANGES OF DIRECTION OF 30° OR GREATER. UNTIE AFTER ALL CONNECTIONS HAVE BEEN MADE.

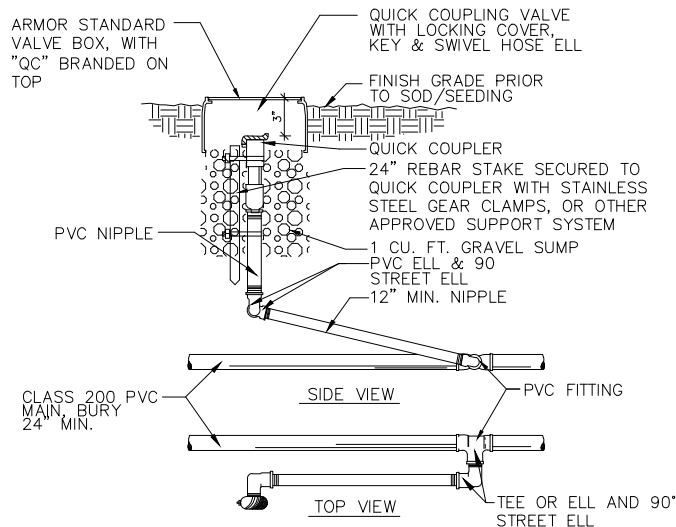
NOTES:

1. SLEEVE BELOW ALL HARDSCAPE ELEMENTS WITH CLASS 200 PVC TWICE THE DIAMETER OF THE PIPE OR WIRE BUNDLE WITHIN.
2. FOR PIPE AND WIRE BURIAL DEPTHS SEE SPECIFICATIONS.
3. ALL LATERALS TO BE A MINIMUM OF 12" DEPTH. ALL MAINLINES TO BE A MINIMUM OF 24" DEPTH.

2

PIPE AND WIRE TRENCHING

NOT TO SCALE

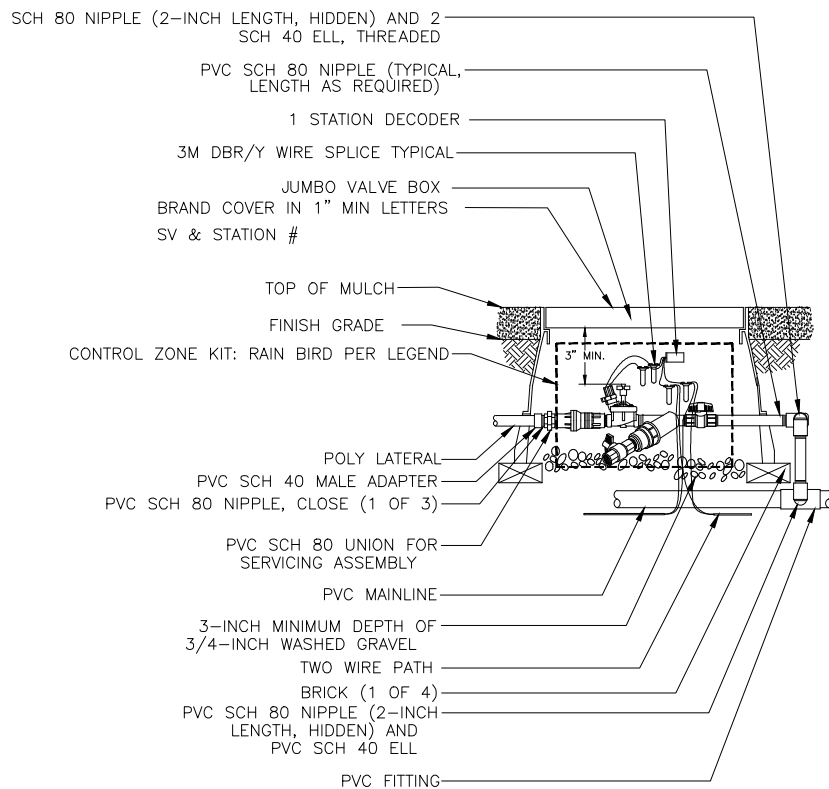


NOTE: COMPACT BACKFILL TO DENSITY OF UNDISTURBED SOIL

3

QUICK COUPLER

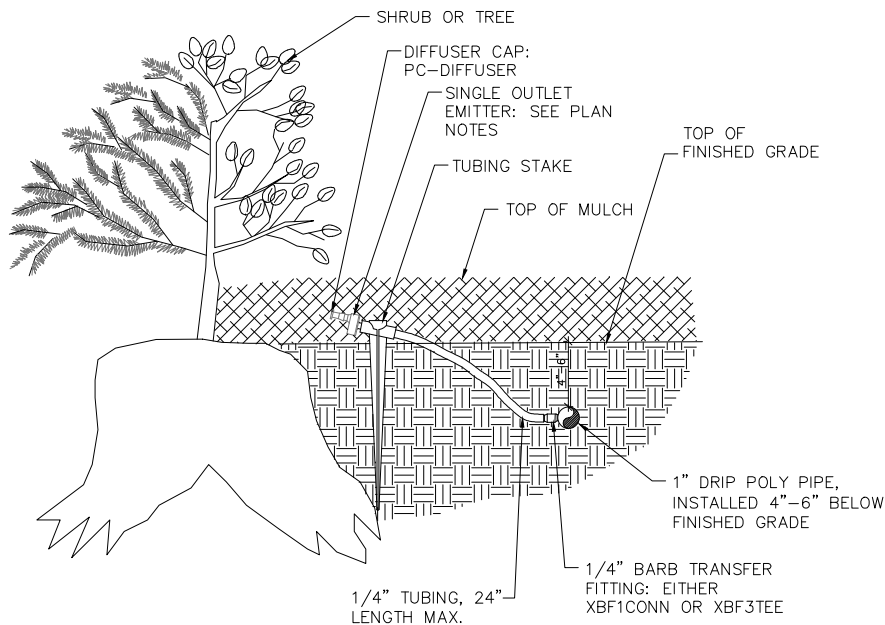
NOT TO SCALE



4

DRIP VALVE DETAIL

NOT TO SCALE

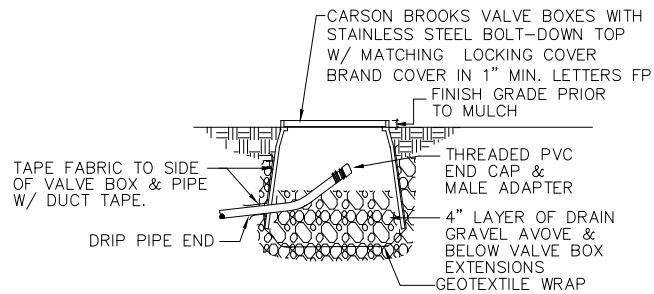


5

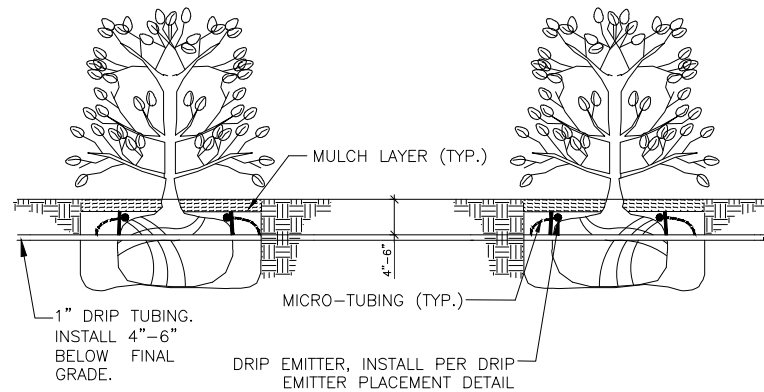
DRIP EMITTER PLACEMENT

NOT TO SCALE

USER NAME =	DESIGNED -- KJM	REVISED --
FILE NAME =	DRAWN -- KJM	REVISED --
PLOT SCALE =	CHECKED -- KJM	REVISED --
PLOT DATE =	DATE -- 11/22/2024	REVISED --



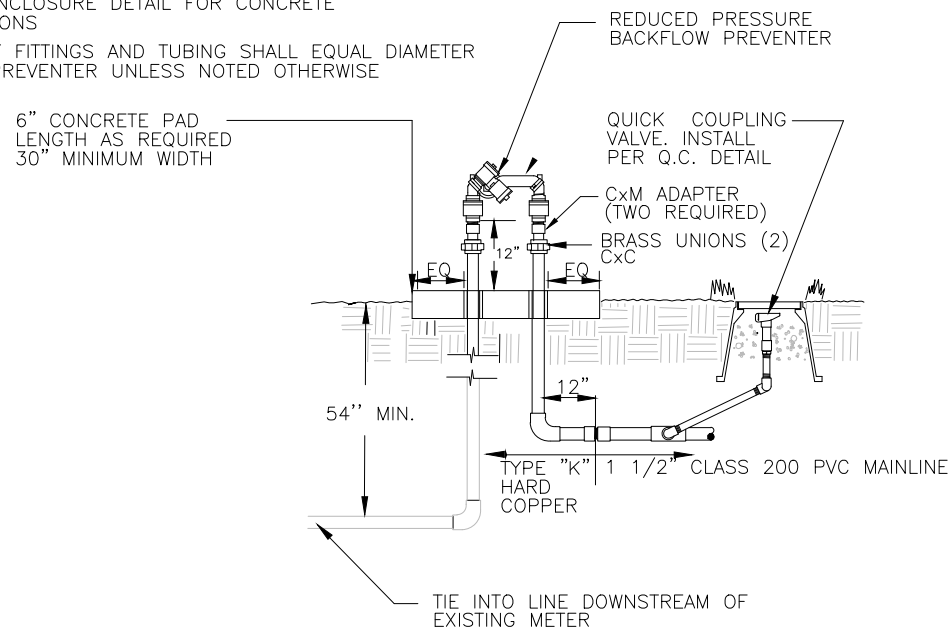
6 DRIP FLUSH VALVE
NOT TO SCALE



7 SHRUB/TREE EMITTER PLACEMENT
NOT TO SCALE

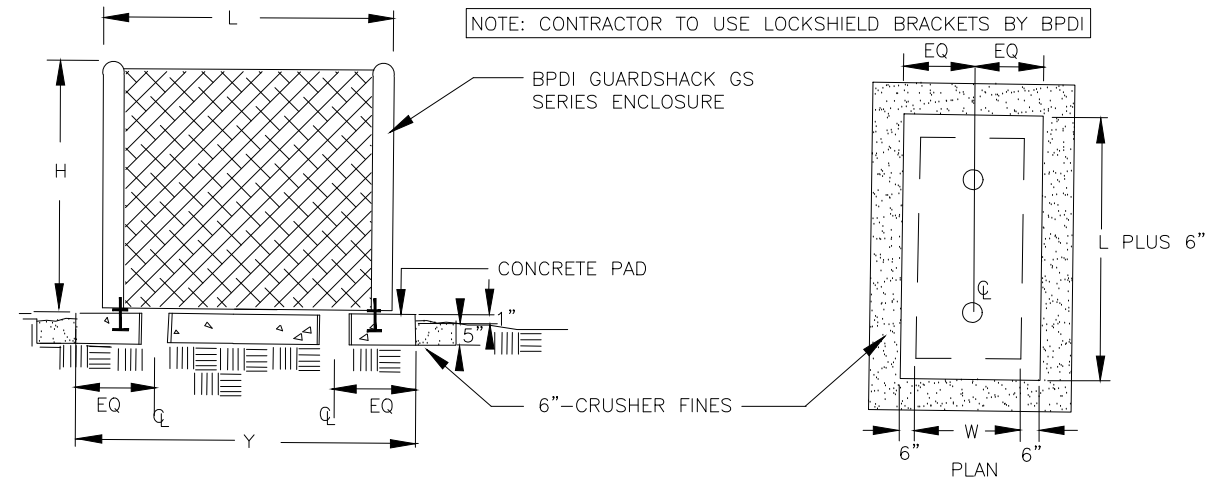
NOTE:

- * CONCRETE PAD PENETRATIONS TO BE 1" LARGER THAN TUBING DIAMETER
- * REFER TO ENCLOSURE DETAIL FOR CONCRETE PAD DIMENSIONS
- * DIAMETER OF FITTINGS AND TUBING SHALL EQUAL DIAMETER BACKFLOW PREVENTER UNLESS NOTED OTHERWISE



1 BACKFLOW PREVENTER 2" AND SMALLER
NTS

BFP MODEL/SIZE	ENCLOSURE MODEL	W	H	L
FEBCO 825YA - 3/4", 1", 1 1/4", 2"	GS-1	10"	24"	22"



NOTE:

- * INSTALL ENCLOSURE ANCHORS AS PER MANUFACTURER'S RECOMMENDATIONS.
- * PROVIDE OWNER WITH KEYED PADLOCK FOR ENCLOSURE
- * PROVIDE ENCLOSURE WITH STANDARD DARK GREEN POWDER COATED FINISH
- * PAD PENETRATIONS FOR BACKFLOW PREVENTER RISERS TO BE 1" LARGER THAN RISER DIAMETER.
- * TOP SURFACE OF CONCRETE PAD SHALL BE 1" ABOVE FINISH GRADE

2 BACKFLOW ENCLOSURE
NTS

USER NAME =	DESIGNED - KJM	REVISED -
FILE NAME =	DRAWN - KJM	REVISED -
PLOT SCALE =	CHECKED - KJM	REVISED -
PLOT DATE =	DATE - 11/22/2024	REVISED -

FILE NAME: F:\Projects\2022-247 Elk Grove Tonne Rd - HR Green\Design ORD 10.12\SHV220706-shLight-01.dgn

GENERAL NOTES

1.

THIS PROJECT INCLUDES REMOVAL AND REPLACEMENT OF THE EXISTING LIGHTING ON THE NB AND SB PORTIONS OF TONNE ROAD BETWEEN LANDMEIER ROAD AND ELK GROVE BOULEVARD WITH NEW ROADWAY AND DECORATIVE LIGHTING. THE PROPOSED LIGHTING SHALL BE ENERGIZED, OWNED AND MAINTAIN BY ELK GROVE VILLAGE.
2.

THE QUANTITIES OF RACEWAYS WHEREVER INDICATED ON THESE PLANS ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLETE COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.
3.

THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. TO LOCATE AND MARK/STAKE ALL UNDERGROUND UTILITIES.
4.

THE CONTRACTOR SHALL VERIFY LOCATIONS OF UNDERGROUND/OVERHEAD UTILITIES AND TREES PRIOR TO INSTALLATION OF LIGHT POLES AND CONDUITS. IF THERE IS A CONFLICT WITH THE LIGHT POLES/CONDUITS AS SHOWN ON PLANS, THE CONTRACTOR SHALL SUGGEST ALTERNATIVE LOCATIONS AND COORDINATE WITH THE ENGINEER PRIOR TO PERFORMING WORK.
5.

TRENCHES FOR LIGHTING RACEWAYS SHALL HAVE A MINIMUM DEPTH OF 30".
6.

LIGHTING SYSTEM INSTALLATION SHALL CONFROM TO THE LATEST IDOT STANDARDS, NEC AND LOCAL STANDARDS.
7.

ALL ELECTRICAL EQUIPMENT AND PRODUCTS SHALL BE UL LISTED AND LABELED.
8.

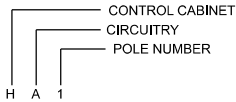
GROUND RODS SHALL BE INSTALLED AT EACH LIGHTING UNIT.
9.

THE CONTRACTOR SHALL TAKE CARE WHEN INSTALLING UNIT DUCT TO AVOID CONFLICTS WITH EXISTING UNDERGROUND UTILITIES AND TREES ROOTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE AS DETERMINED BY THE ENGINEER.
10.

THE CONTACTOR SHALL TAKE ADEQUATE PRECAUTIONS WHEN WORKING AROUND comed HIGH VOLTAGE TRANSMISSION LINES.

CALL OUT DESCRIPTION

CIRCUIT NUMBER EXAMPLE



BILL OF MATERIALS

DESCRIPTION	UNIT	QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	1
ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1,053
UNIT DUCT, 600V, 4-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	10,962
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 1	FOOT	100
LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	324
BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	39
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	56
REMOVAL OF POLE FOUNDATION	EACH	56
REMOVAL OF LIGHTING CONTROLLER	EACH	1
REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1
LIGHT POLE (SPECIAL)	EACH	39
LIGHT POLE FOUNDATION, 30" DIAMETER, OFFSET	FOOT	27
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	12

LEGEND

- PROPOSED LIGHTING UNIT 35 FT. MH, 10 FT. MAST ARM, 240V (LINE TO LINE), LED LUMINAIRE WITH 120V RECEPTACLE ON POLE
- PROPOSED LIGHTING UNIT 35 FT. MH, 10 FT. MAST ARM, 240V (LINE TO LINE), LED LUMINAIRE WITH DECORATIVE LUMINAIRE AT 14.5 FT. MH 120V RECEPTACLE ON POLE
- EXISTING LIGHTING UNIT TO BE REMOVED
- EXISTING LIGHTING TO REMAIN
- UNIT DUCT, 600V, 4-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE
- ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE), 3-1/C NO. 1
- ELECTRIC SERVICE 120V/240V, SINGLE PHASE, 3 WIRE
- EXISTING LIGHTING CONTROLLER TO BE REMOVED
- PROPOSED LIGHTING CONTROLLER 'H', 120V / 240V 1 PHASE, 3 WIRE 100 AMP, BASE MOUNTED
- UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
- GROUND ROD 5/8" DIA. X 10 FT.

LT-01

AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60516	USER NAME = Srahman		DESIGNED - BL / KV	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, LEGEND AND BILL OF MATERIALS TONNE ROAD - ELK GROVE VILLAGE				F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - SR		CHECKED - MH	REVISED -						2653	20-00073-01-PV	COOK	322	116
	PLOT SCALE = 0.16666633 ' / In.		DATE - 07-02-2025	REVISED -		SCALE: NONE		SHEET 1 OF 1 SHEETS		TO STA.		CONTRACT NO. 61K93		
	PLOT DATE = 7/2/2025											ILLINOIS FED. AID PROJECT		

FILE NAME: F:\Projects\2022-07 Elk Grove Tonne Rd - HR Green\Design ORD 10 12\Sh\LT20706-sh-light-02.dgn

**AMES Engineering, Inc.**
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME	= Srahman	DESIGNED	- BL / KV	REVISED	-
DRAWN	- SR	REVISIONS	-	DATE	-
PLOT SCALE	= 0.08333317' / in.	CHECKED	- MH	REVISED	-
PLOT DATE	= 7/2/2025	DATE	- 07-02-2025	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

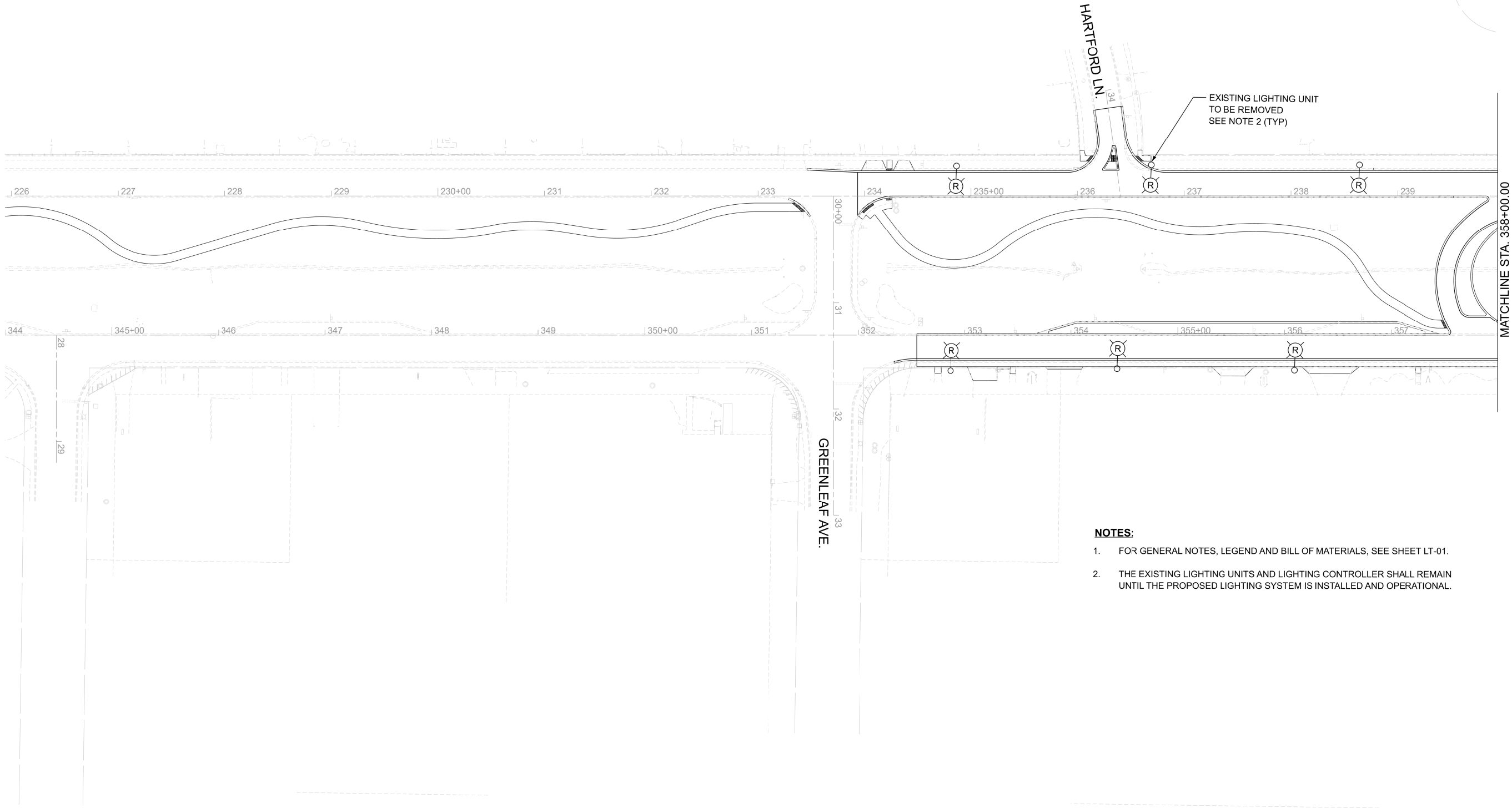
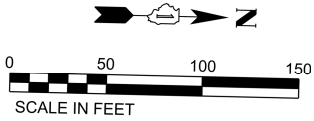
LIGHTING REMOVAL PLAN
TONNE ROAD - ELK GROVE VILLAGE

SCALE: 1"=50'

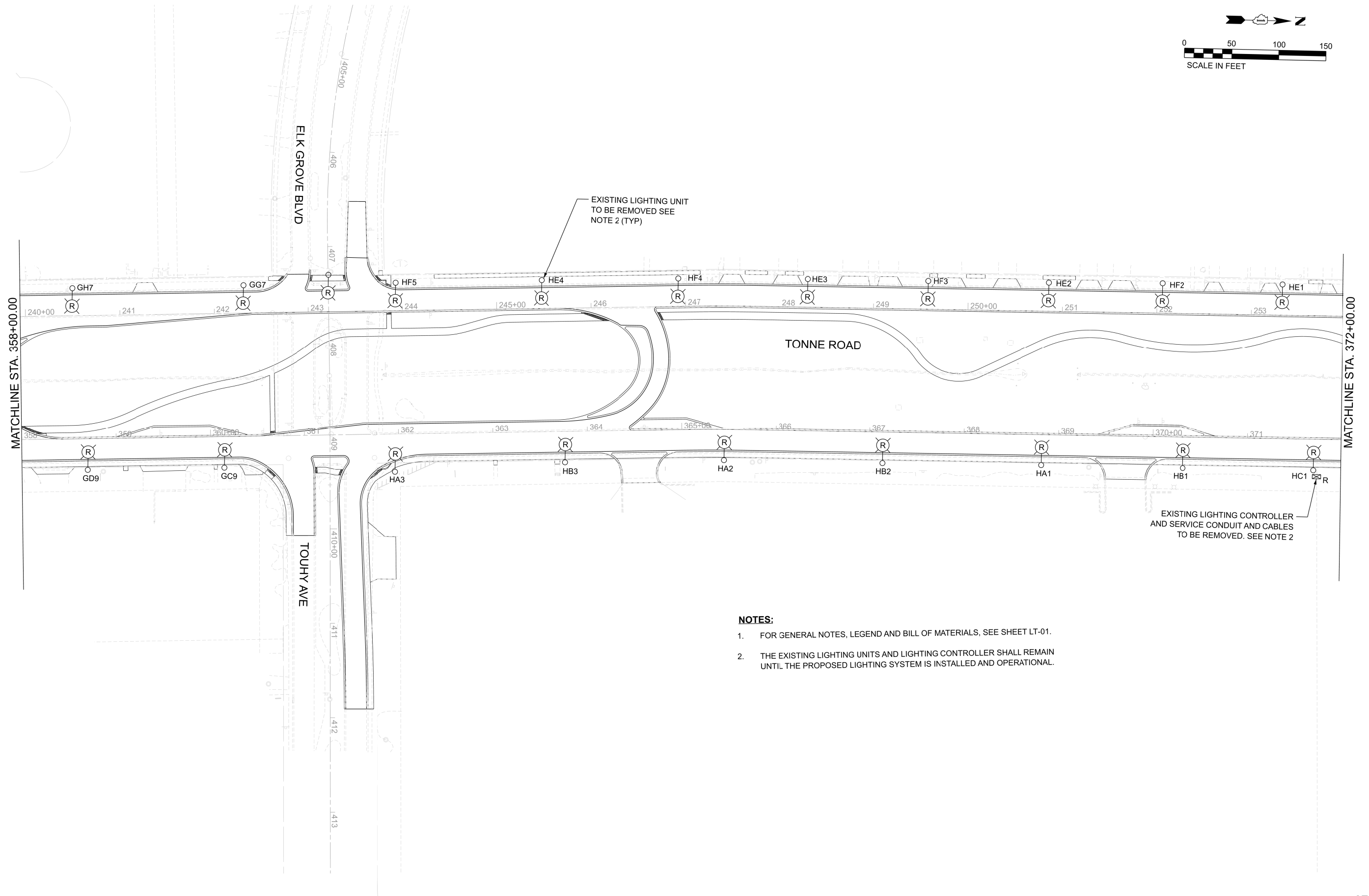
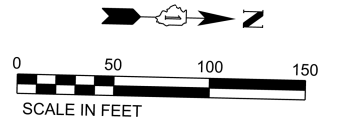
SHEET 1 OF 3 SHEETS

STA. TO STA. 358+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2653	20-00073-01-PV	COOK	322	117
CONTRACT NO. 61K93				
ILLINOIS FED. AID PROJECT				



- NOTES:**
- FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS, SEE SHEET LT-01.
 - THE EXISTING LIGHTING UNITS AND LIGHTING CONTROLLER SHALL REMAIN UNTIL THE PROPOSED LIGHTING SYSTEM IS INSTALLED AND OPERATIONAL.



- NOTES:**
- FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS, SEE SHEET LT-01.
 - THE EXISTING LIGHTING UNITS AND LIGHTING CONTROLLER SHALL REMAIN UNTIL THE PROPOSED LIGHTING SYSTEM IS INSTALLED AND OPERATIONAL.

FILE NAME: F:\Projects\2022-07 Elk Grove Tonne Rd - HR Green\Design ORD 10 12\Shv\220706-sh-light-03.dgn



AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

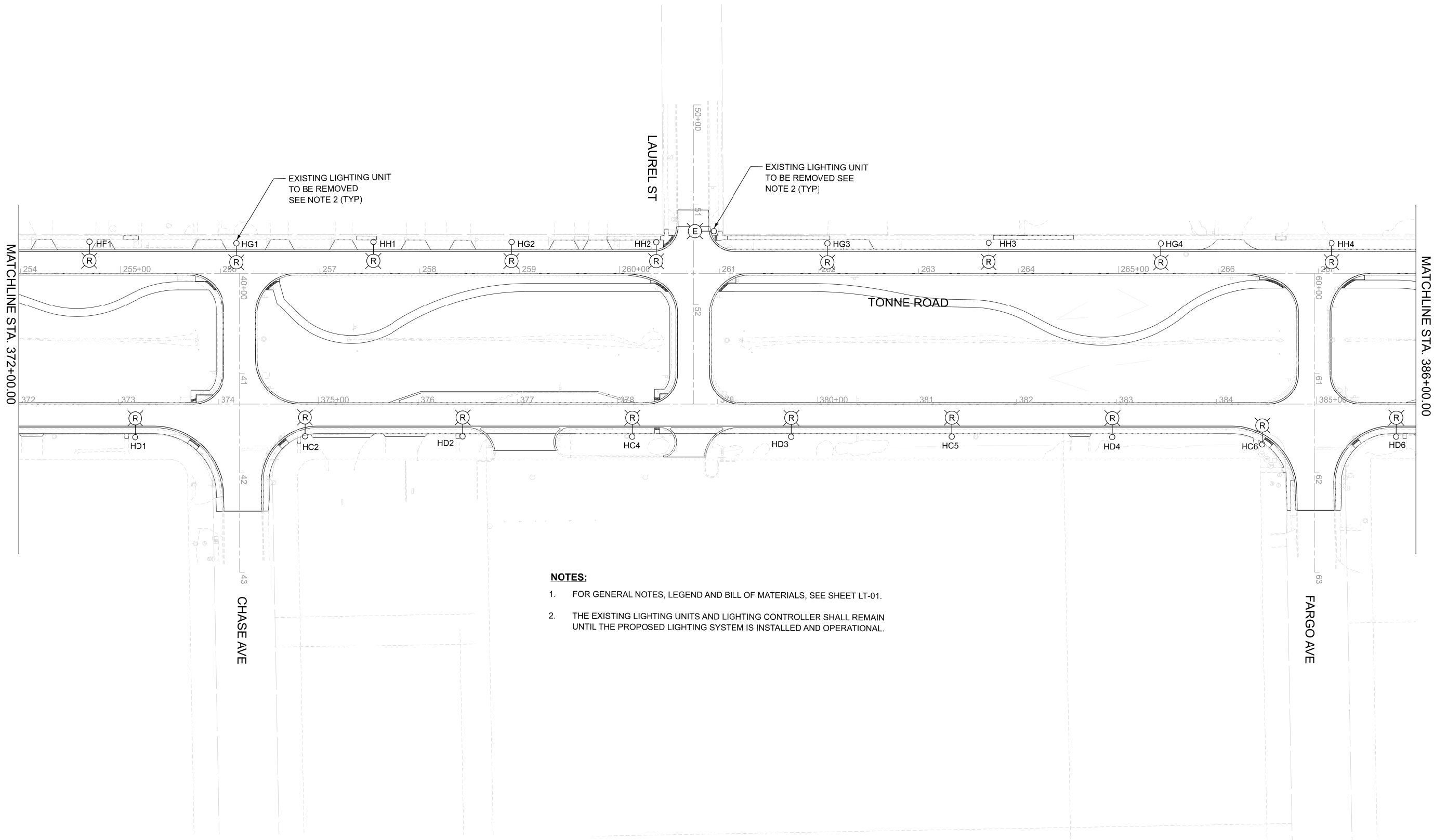
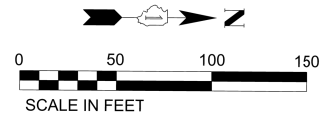
USER NAME	= Srahman	DESIGNED	- BL / KV	REVISED	-
DRAWN	- SR	REVISIONS	-	DATE	-
PLOT SCALE	= 0.08333317' / in.	CHECKED	- MH	REVISIONS	-
PLOT DATE	= 7/2/2025	DATE	- 07-02-2025	REVISIONS	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING REMOVAL PLAN
TONNE ROAD - ELK GROVE VILLAGE

SCALE: 1 : 50' SHEET 1 OF 3 SHEETS STA. 358+00 TO STA. 372+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2653	20-00073-01-PV	COOK	322	118
CONTRACT NO. 61K93				
ILLINOIS FED. AID PROJECT				



NOTES:

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS, SEE SHEET LT-01.
2. THE EXISTING LIGHTING UNITS AND LIGHTING CONTROLLER SHALL REMAIN UNTIL THE PROPOSED LIGHTING SYSTEM IS INSTALLED AND OPERATIONAL.

FILE NAME: F:\Projects\2022-07 Elk Grove Tonne Rd - HR Green\Design ORD 10 12\SHV\20706-sh-light-04.dgn



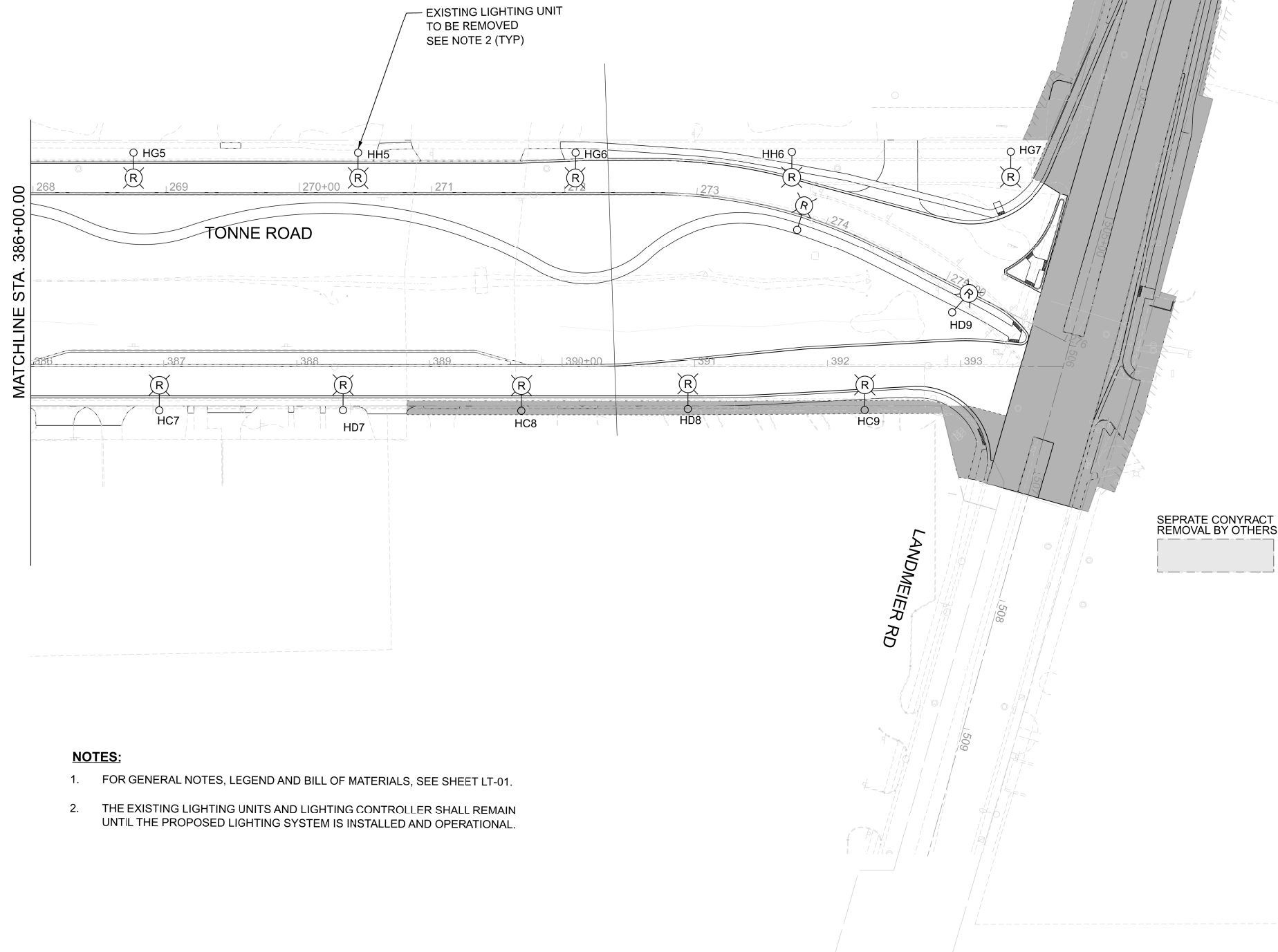
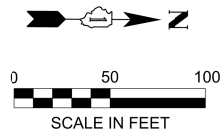
USER NAME	= Srahman	DESIGNED	- BL / KV	REVISED	-
		DRAWN	- SR	REVISED	-
PLOT SCALE	= 0.08333317' / in.	CHECKED	- MH	REVISED	-
PLOT DATE	= 7/2/2025	DATE	- 07-02-2025	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING REMOVAL PLAN
TONNE ROAD - ELK GROVE VILLAGE

SCALE: 1 : 50' SHEET 2 OF 3 SHEETS STA. 372+00 TO STA. 386+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2653	20-00073-01-PV	COOK	322	119
CONTRACT NO. 61K93				
		ILLINOIS	FED. AID PROJECT	



- NOTES:**
- FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS, SEE SHEET LT-01.
 - THE EXISTING LIGHTING UNITS AND LIGHTING CONTROLLER SHALL REMAIN UNTIL THE PROPOSED LIGHTING SYSTEM IS INSTALLED AND OPERATIONAL.

FILE NAME: F:\Projects\2022-07 Elk Grove Tonne Rd - HR Green\Design ORD 10 12\Shv\220706-sh-light-05.dgn



AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = Srahman	DESIGNED -	BL / KV	REVISED -
	DRAWN -	SR	REVISED -
	CHECKED -	MH	REVISED -
	DATE -	07-02-2025	REVISED -
PLOT SCALE = 0.08333317' / in.			
PLOT DATE = 7/2/2025			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

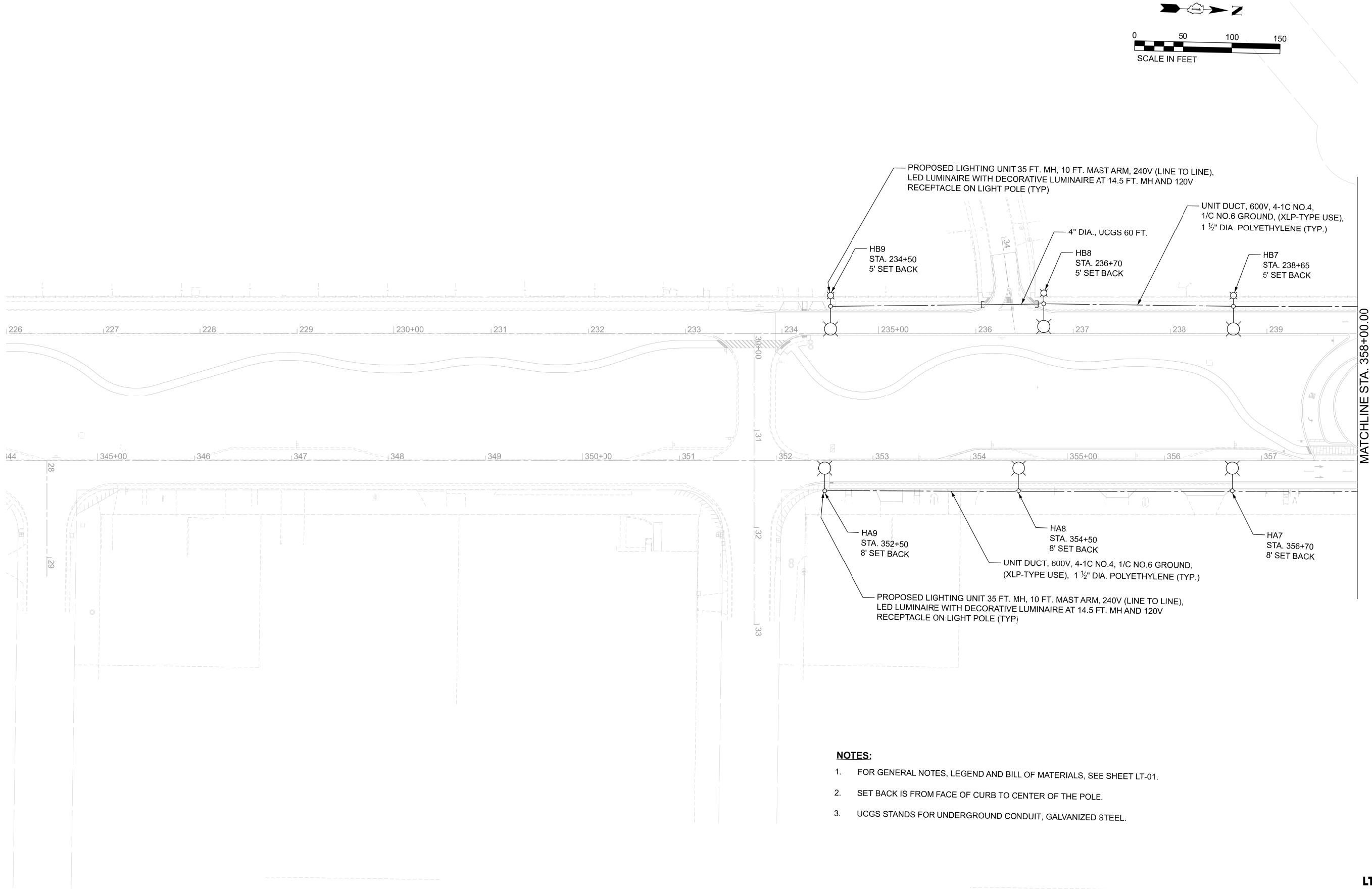
LIGHTING REMOVAL PLAN
TONNE ROAD - ELK GROVE VILLAGE

SCALE: 1 : 50' SHEET 3 OF 3 SHEETS STA. 386+00 TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2653	20-00073-01-PV	COOK	322	120
CONTRACT NO. 61K93				
ILLINOIS FED. AID PROJECT				

LT-05

FILE NAME: F:\Projects\2022-07 Elk Grove Tonne Rd - HR Green\Design ORD 10 12\Shvt\20706-sh-light-06.dgn



- NOTES:**
- 1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS, SEE SHEET LT-01.
 - 2. SET BACK IS FROM FACE OF CURB TO CENTER OF THE POLE.
 - 3. UCGS STANDS FOR UNDERGROUND CONDUIT, GALVANIZED STEEL.



AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

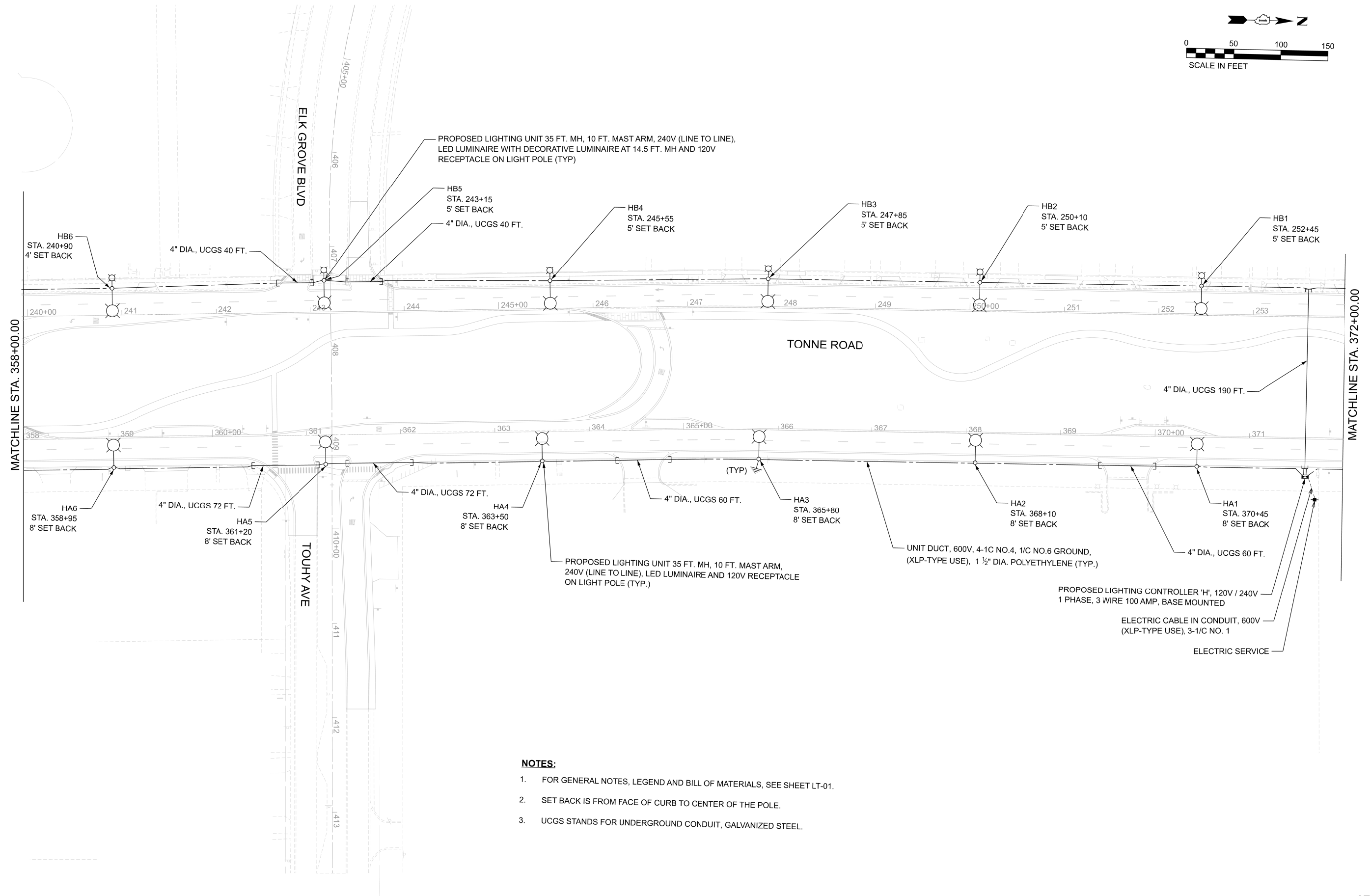
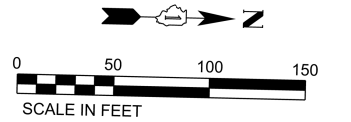
USER NAME	= Srahman	DESIGNED	- BL / KV	REVISED	-
		DRAWN	- SR	REVISED	-
PLOT SCALE	= 0.08333317' / in.	CHECKED	- MH	REVISED	-
PLOT DATE	= 7/2/2025	DATE	- 07-02-2025	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING PLAN
TONNE ROAD - ELK GROVE VILLAGE

SCALE: 1 : 50' SHEET OF 3 SHEETS STA. TO STA. 358+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2653	20-00073-01-PV	COOK	322	121
CONTRACT NO. 61K93				
ILLINOIS FED. AID PROJECT				



- NOTES:**
- FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS, SEE SHEET LT-01.
 - SET BACK IS FROM FACE OF CURB TO CENTER OF THE POLE.
 - UCGS STANDS FOR UNDERGROUND CONDUIT, GALVANIZED STEEL.

FILE NAME: F:\Projects\2022-07 Elk Grove Tonne Rd - HR Green\Design ORD 10.12\Shvl220706-sh-light-07.dgn



AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME	= Srahman	DESIGNED	- BL / KV	REVISED	-
		DRAWN	- SR	REVISED	-
PLOT SCALE	= 0.08333317' / in.	CHECKED	- MH	REVISED	-
PLOT DATE	= 7/2/2025	DATE	- 07-02-2025	REVISED	-

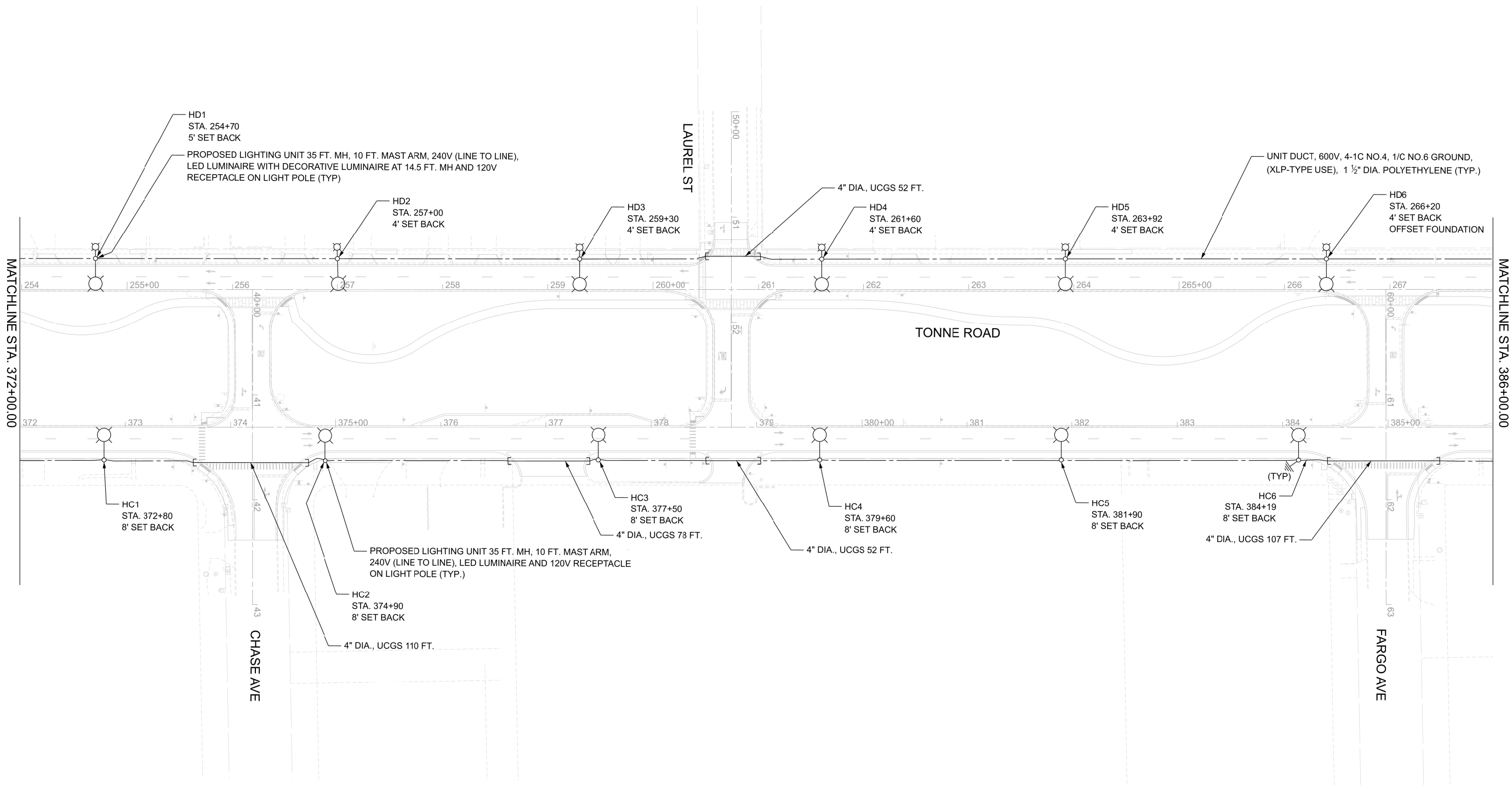
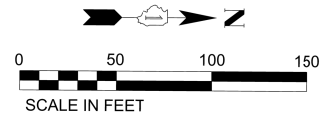
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING PLAN
TONNE ROAD - ELK GROVE VILLAGE

SCALE: 1 : 50'
SHEET 1 OF 3 SHEETS
STA. 358+00 TO STA. 372+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2653	20-00073-01-PV	COOK	322	122
CONTRACT NO. 61K93				
ILLINOIS FED. AID PROJECT				

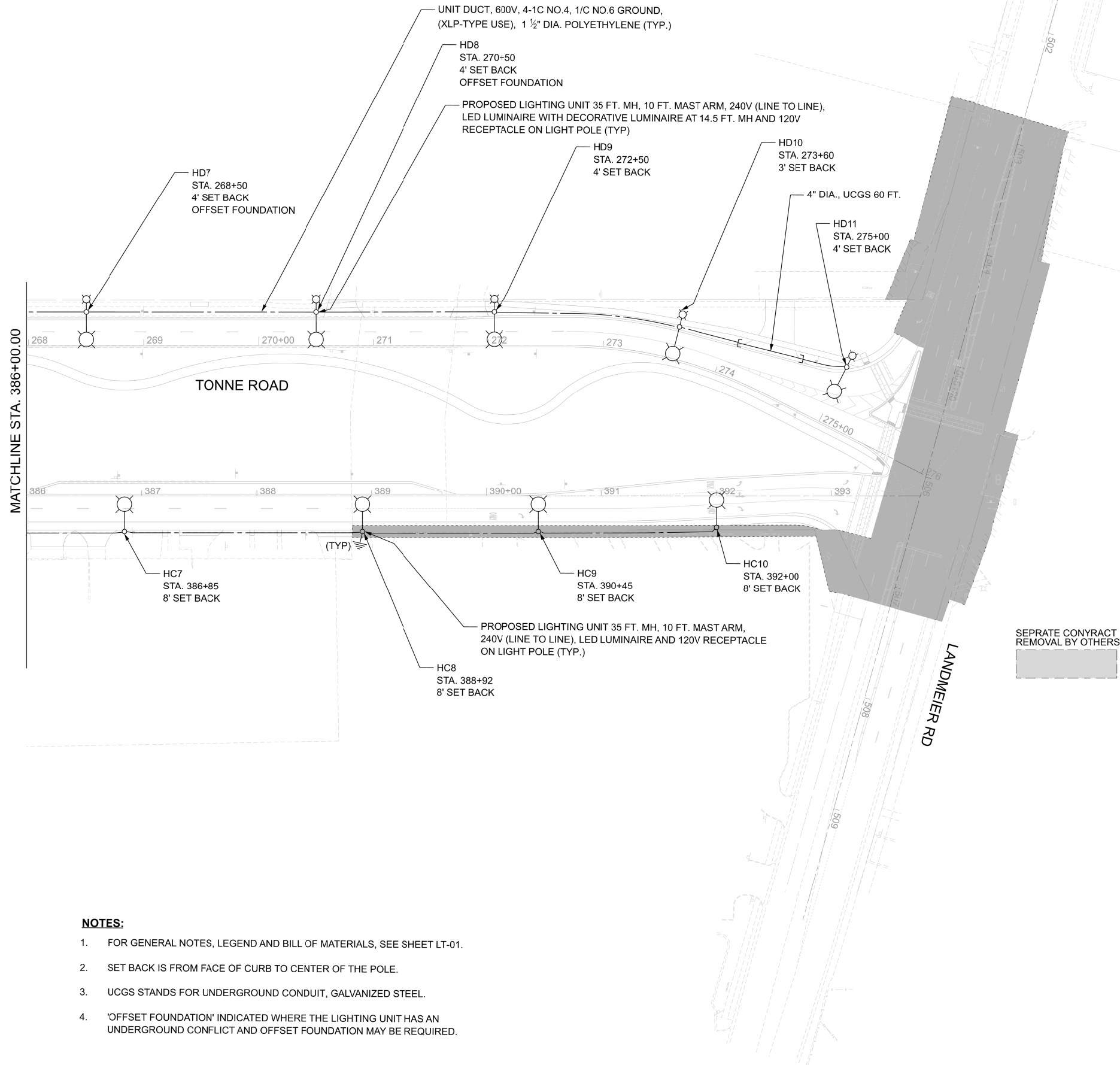
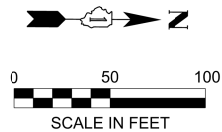
LT-07



- NOTES:**
- 1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS, SEE SHEET LT-01.
 - 2. SET BACK IS FROM FACE OF CURB TO CENTER OF THE POLE.
 - 3. UCGS STANDS FOR UNDERGROUND CONDUIT, GALVANIZED STEEL.
 - 4. 'OFFSET FOUNDATION' INDICATED WHERE THE LIGHTING UNIT HAS AN UNDERGROUND CONFLICT AND OFFSET FOUNDATION MAY BE REQUIRED.

FILE NAME: F:\Projects\2022-07 Elk Grove Tonne Rd - HR Green\Design ORD 10 12\Shvl220706-sh-light-08.dgn

LT-08



NOTES:

- FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS, SEE SHEET LT-01.
- SET BACK IS FROM FACE OF CURB TO CENTER OF THE POLE.
- UCGS STANDS FOR UNDERGROUND CONDUIT, GALVANIZED STEEL.
- 'OFFSET FOUNDATION' INDICATED WHERE THE LIGHTING UNIT HAS AN UNDERGROUND CONFLICT AND OFFSET FOUNDATION MAY BE REQUIRED.

FILE NAME: F:\Projects\2022-07 Elk Grove Tonne Rd - HR Green\Design ORD 10 12\Shv\220706-sh-light-09.dgn



USER NAME = Srahman	DESIGNED - BL / KV	REVISED -
	DRAWN - SR	REVISED -
PLOT SCALE = 0.08333317' / in.	CHECKED - MH	REVISED -
PLOT DATE = 7/2/2025	DATE - 07-02-2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

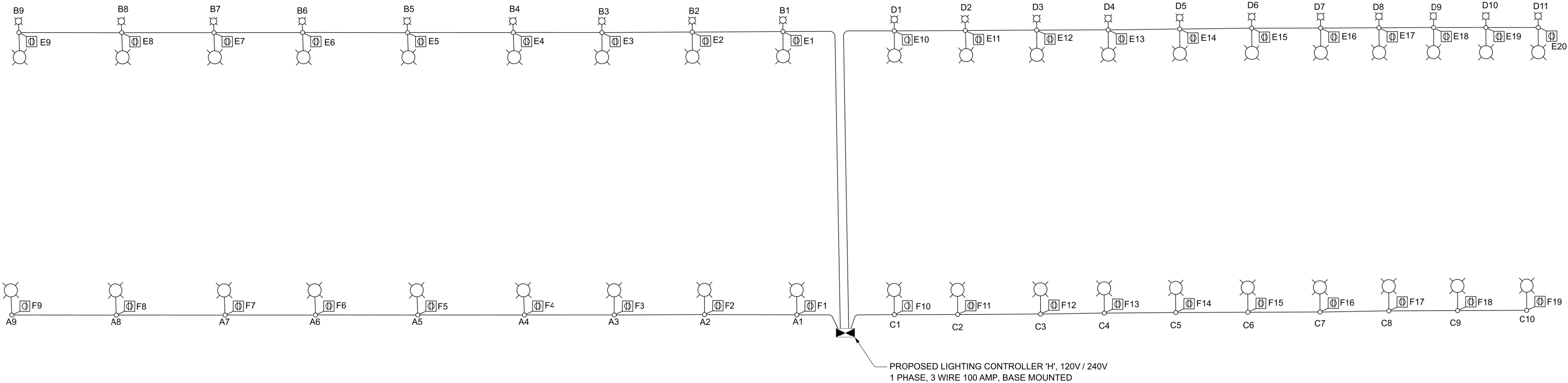
ROADWAY LIGHTING PLAN
TONNE ROAD - ELK GROVE VILLAGE

SCALE: 1 : 50' SHEET 3 OF 3 SHEETS STA. 386+00 TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2653	20-00073-01-PV	COOK	322	124
CONTRACT NO. 61K93				
ILLINOIS FED. AID PROJECT				

LEGEND:

-  LUMINAIRE, LED,240V, 0.7A, 153W, 1 PHASE, WITH RECEPTACLE ON OF ON LIGHT POLE
-  LUMINAIRE LED, 240V, 0.7A, 153W, 1 PHASE WITH DECORATIVE LUMINAIRE, LED, 240V, 0.2A, 40W, 1 PHASE, WITH RECEPTACLE ON LIGHT POLE (180 VA EACH)
-  UNIT DUCT, 600V, 4-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE



LOAD TABLE LIGHTING CONTROLLER
120/240V AC, 1 PHASE, 100 AMP WITH 6-30A, 2-40A

CIRCUIT	TOTAL LUM.	TOTAL CURRENT IN AMPS	TOTAL WATTAGE	CIRCUIT	TOTAL LUM.	TOTAL CURRENT IN AMPS	TOTAL WATTAGE	CIRCUIT	TOTAL LUM.	TOTAL CURRENT IN AMPS	TOTAL WATTAGE
A	9 ROADWAY	6.3	1377	B	9 ROADWAY 9 DECORATIVE	8.1	1737	E	20 RECEPTACLES	30	3600
C	10 ROADWAY	7.0	1530	D	11 ROADWAY 11 DECORATIVE	9.9	2123	F	19 RECEPTACLES	28.5	3420
G	SPARE			H	SPARE						
TOTAL		13.3	2907	TOTAL		18	3860	TOTAL		58.5	7020

TOTAL LOAD IN WATTS 13.787
TOTAL LOAD IN AMPS 57.4

FILE NAME: F:\Projects\2022-07 Elk Grove Tonne Rd - HR Green\Design ORD 10.12\SHV\20706-sh-light-10.dgn



USER NAME = Srahman	DESIGNED - BL / KV	REVISED -
	DRAWN - SR	REVISED -
PLOT SCALE = 0.08333317' / in.	CHECKED - MH	REVISED -
PLOT DATE = 7/2/2025	DATE - 07-02-2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SINGLE LINE DIAGRAM
TONNE ROAD - ELK GROVE VILLAGE

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2653	20-00073-01-PV	COOK	322	125
CONTRACT NO. 61K93				
ILLINOIS FED. AID PROJECT				

ASCERTAIN AND ASSURE CLEARANCE FROM UTILITY SECONDARY SPACE, AS APPLICABLE.

UTILITY GROUND CONNECTION, (AS APPLICABLE), BY UTILITY

UTILITY GROUND, AS APPLICABLE, (BY UTILITY)

APPROXIMATELY 10'-6" (3.2 m)

UTILITY POLE, PRIMARY CUT-OUTS TRANSFORMER(S) (AS APPLICABLE) BY THE ELECTRIC UTILITY. THE CONTRACTOR SHALL COORDINATE AS REQUIRED.

PROVIDE ADEQUATE SLACK FOR DRIP LOOP AND CONNECTION BY THE UTILITY

NON-METALLIC "U" GUARD. FURNISH FOR INSTALLATION BY ELECTRIC UTILITY. LENGTH AS REQUIRED

CONDUIT/CONDUCTOR SEALING BUSHING, SIZE AND CONDUCTOR CONFIGURATION TO MATCH SERVICE. OZ GEDNEY TYPE CSBG OR APPROVED EQUAL, COMPLETE WITH LOCKING COLLAR (SEE DETAIL)

2-HOLE STRAP FOR RIGID CONDUIT, ZINC PLATED STEEL O.Z. GEDNEY TYPE TH-1800 OR APPROVED EQUAL. ATTACHED WITH LAG SCREWS. (TYPICAL)

RIGID STEEL CONDUIT RISER (CONTINUOUS 10' (3 m) LENGTH).

HEAVY DUTY GROUND CLAMP, UNIVERSAL U-CLAMP TYPE, BY O.Z. GEDNEY, T&B OR APPROVED EQUAL.

RIGID GALVANIZED THREADED COUPLING.

PVC-COATED RIGID CONDUIT NIPPLE OR CONDUIT EXTENSION, LENGTH AS REQUIRED

PVC COATED RIGID CONDUIT ELBOW 24" (609.6 mm) RADIUS (MIN.) SEE NOTE 3.

THREADED TRANSITION COUPLING, AS APPLICABLE (SEE NOTE 6)

GROUNDING ELECTRODE CONDUCTOR, BARE COPPER, #1/0 AWG. MINIMUM

GROUND ROD SHALL BE INSTALLED NOT LESS THAN 24" (609 mm) FROM POLE UNLESS APPROVED BY THE ENGINEER

CUSTOMER SERVICE RISER GROUND ELECTRODE

5/8" X 10' (15.875 mm X 3.048 m) COPPERCLAD GROUND ROD (IN UNDISTURBED SOIL) SEE NOTE 5.

UTILITY GROUNDING ELECTRODE (AS APPLICABLE), BY UTILITY

GRADE
EXOTHERMIC WELD CONNECTION

APPROX. 6" (150 mm)

30" MIN - 36" MAX (762.0 mm MIN. - 914.0 mm MAX.) TO TOP OF CONDUIT

EXTENSION TO SERVICE EQUIPMENT

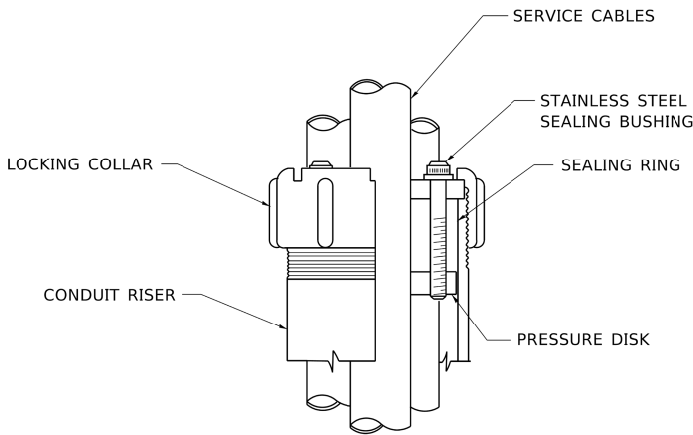
HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY (SEE NOTE 6)

APPLICATION

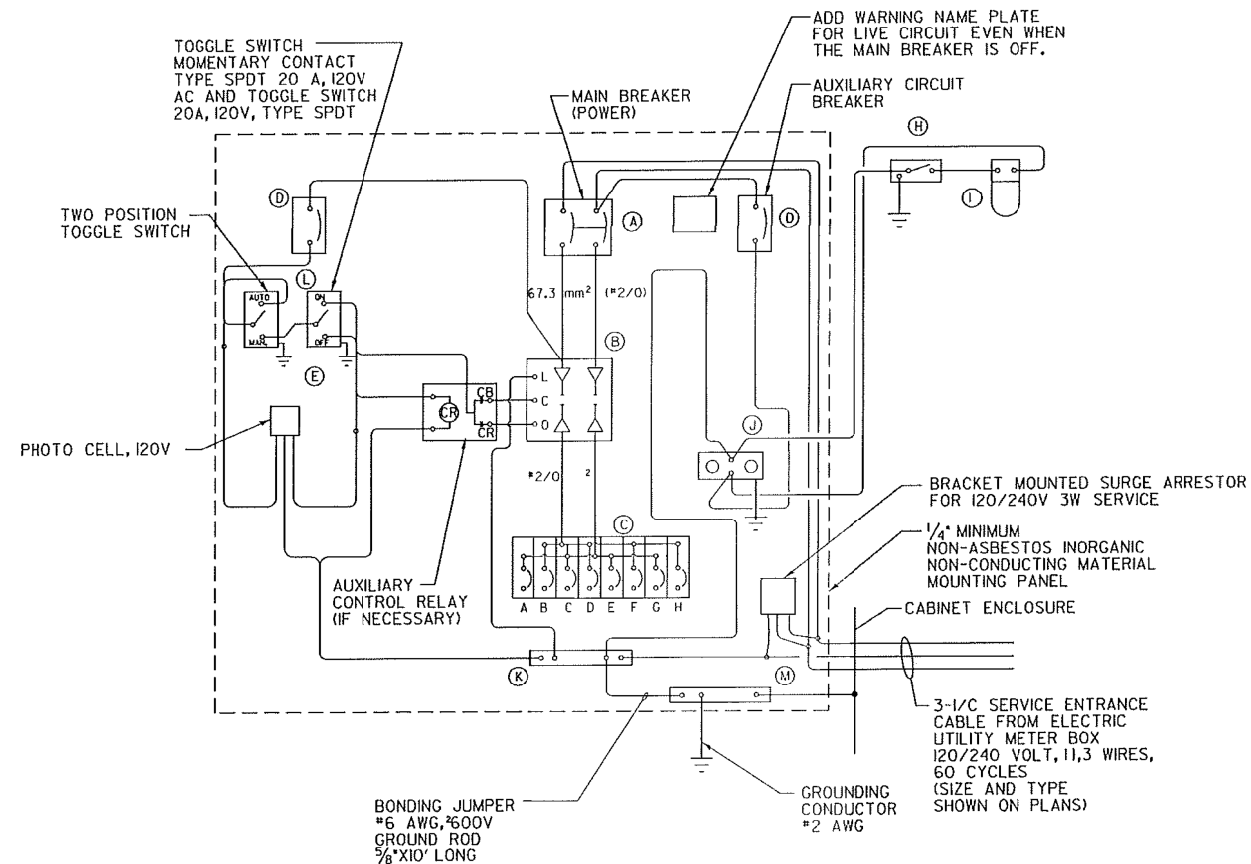
THIS DETAIL APPLIES FOR LOW VOLTAGE ELECTRIC SERVICE (660 V OR LESS) FROM AN OVERHEAD UTILITY SUPPLY TO SEPERATLY-MOUNTED SERVICE EQUIPMENT.

NOTES

- SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
- UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
- CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED ON THE PLANS.
- PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
- THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALIC TO NON METALIC ADAPTER. WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
- PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.



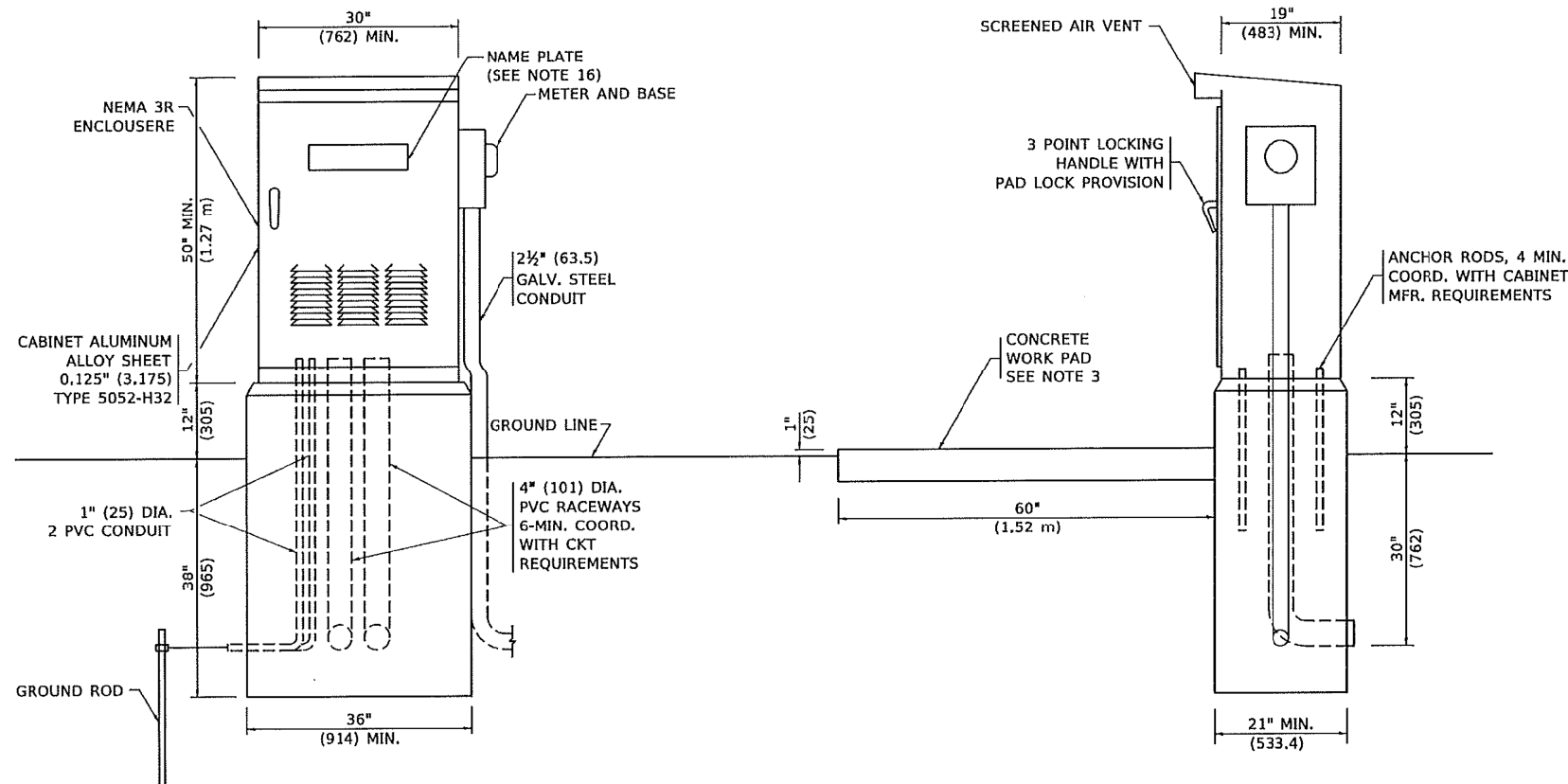
SEALING BUSHING DETAIL



WIRING DIAGRAM

PANEL EQUIPMENT

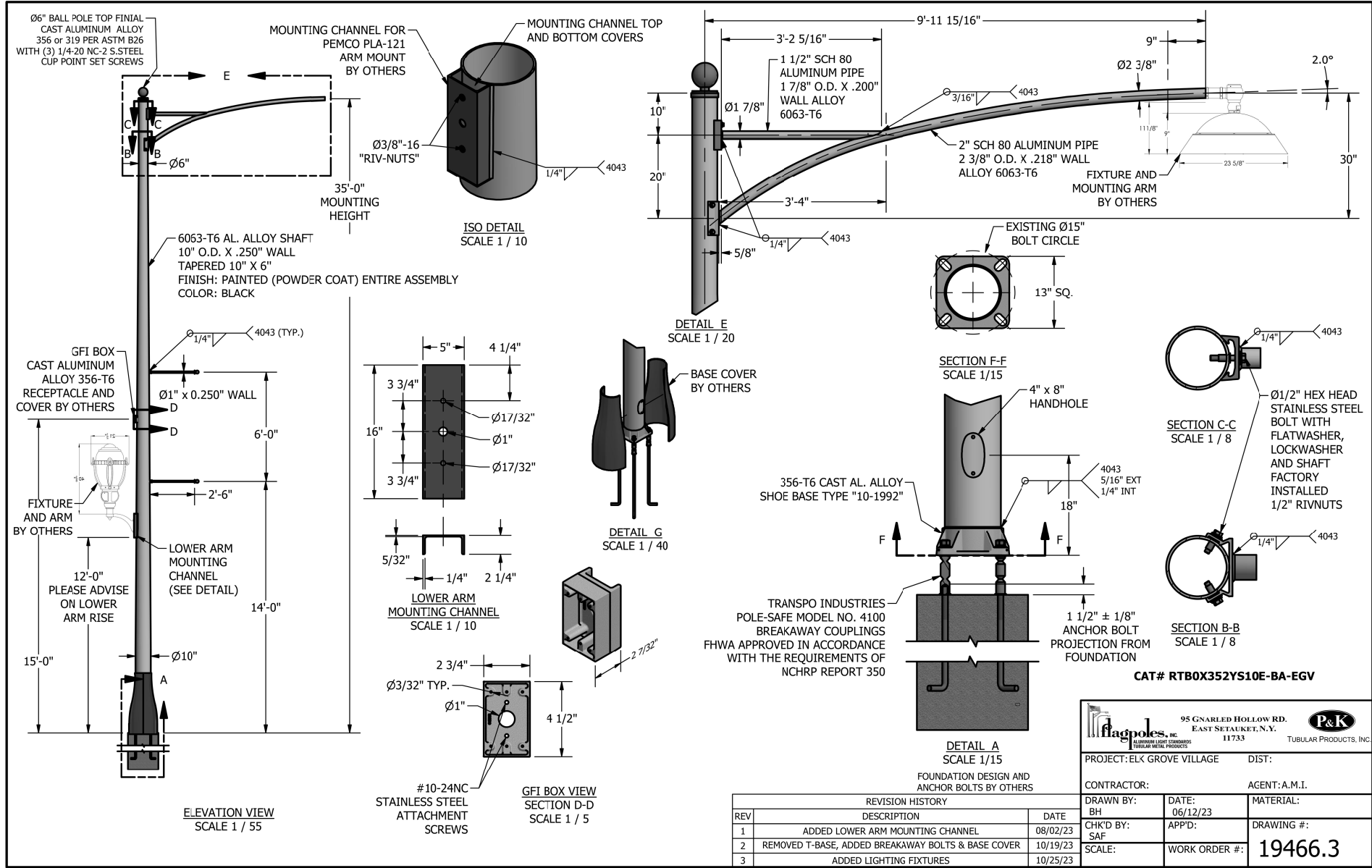
BILL OF MATERIAL		
ITEM	QTY.	DESCRIPTION
A	1	MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT 100 AMP. FRAME, 100 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-22000 AMP. AT 240 VOLT.
B	1	REMOTE CONTROL SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, 100 AMP., 600 VOLTS CONTROL CIRCUITS 120 VOLT, ASCO 920.
C	6	CIRCUIT BREAKERS, 2 POLE, 240V., 100 AMP. FRAME 30 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-14,000 AMP. AT 240V.
	2	CIRCUIT BREAKERS, 1 POLE, 120V., 100 AMP. FRAME 40 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-14,000 AMP. AT 120V.
D	2	CONTROL CIRCUIT-CIRCUIT BREAKER, 1POLE, 240 V., 100AMP. FRAME, 15AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-14,000 AMP. AT 120 V.
E	1	PHOTECCELL, 120V
H	1	SPST 20A SWITCH ON DOOR, TO TURN LIGHT ON WHEN DOOR IS OPEN.
I	1	INCANDESCENT LIGHTING FIXTURE ENCLOSED AND GASKETED WITH 60 WATT, 120 V. LAMP.
J	1	20 A., 120 V., DUPLEX RECEPTACLE, GFCI.
K	1	COPPER NEUTRAL BUS 6.35 mm (1/4") X 25.4 mm (1") X 304.8 mm (12") LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS.
L	1	TOGGLE SWITCHES MOUNTED IN 101.6 mm (4") X 101.6 mm (4") BOX.
M	1	COPPER GROUND BUS 6.35 mm (1/4") X 25.4 mm (1") X 304.8 mm (12") LONG MOUNTED ON PANEL WITH LUGS AND SPARE LUGS.
N	1	SURGE ARRESTOR



NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- FOUNDATION SIZE SHALL BE COORDINATED WITH CABINET SIZE AND MFR.
- IN FRONT OF CONTROL CABINET DOOR, REMOVE VEGETATION AND 2" (50.8 mm) TOP SOIL. LEVEL THE AREA AND ON TOP, PLACE LENGTH WISE PARALLEL TO CONTROL CABINET, A CONCRETE PAD 36" (914.4 mm) x 60" (1524 mm) x 4" (101 mm) MIN. SIZE. THE COST OF LABOR AND MATERIALS ARE INCLUDED IN THE COST OF THE CONTROLLER.
- DOOR SHALL BE CONSTRUCTED FROM SAME TYPE OF MATERIAL AND THICKNESS AS CABINET.
- DOOR SHALL BE EQUIPPED WITH THREE POINT LATCHING MECHANISM WITH NYLON ROLLERS AT TOP THE BOTTOM.
- DOOR HINGE SHALL BE A HEAVY GAUGE CONTINUOUS HINGE WITH A 1#4" (6.35 mm) DIA. STAINLESS STEEL HINGE PIN.
- ALL EXTERNAL HARDWARE SHALL BE STAINLESS STEEL.
- CONTROL WIRING TO BE #12 AWG, 600V, TYPE "SIS" GRAY SWITCH BOARD WIRE, STRANDED COPPER.
- METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET, NEAR TO THE SERVICE POLE.
- CABINETS SHALL BE PRIMED AND PAINTED AS SPECIFIED.
- THE HEADS OF CONNECTORS SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BAR CONNECTION AND GREEN FOR GROUND BAR CONNECTORS.
- ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED.
R = RED BL = BLUE = WHITE
B = BLACK Y = YELLOW G = GREEN
- PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
- THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL".
- 12" (304.8) X 16" (406.4 mm) STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED.

LT-12



PEMCO VENTURA 2
LED LUMINAIRE



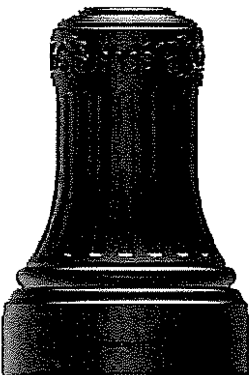
MID-MOUNT LUMINAIRE MOUNTING ARM



LED LUMINAIRE MOUNTING ARM



PEMCO FLORENCE 1
MID-MOUNT LED LUMINAIRE



(3L02EC)
VALMONT HUNTINGTON BASE COVER

FILE NAME: F:\Projects\2022-07 Elk Grove Tonne Rd - HR GreenDesign ORD 10.12\Shv220706-sh-light-13.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = Srahman	DESIGNED - BL / KV	REVISED -
PLOT SCALE = 50.000' / in.	DRAWN - SR	REVISED -
PLOT DATE = 7/2/2025	CHECKED - MH	REVISED -
	DATE - 07-02-2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

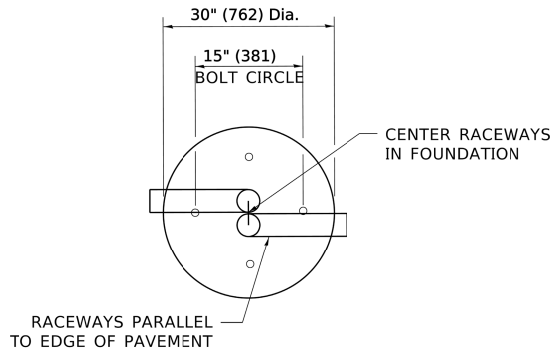
LIGHT POLE DETAILS
TONNE ROAD - ELK GROVE VILLAGE

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

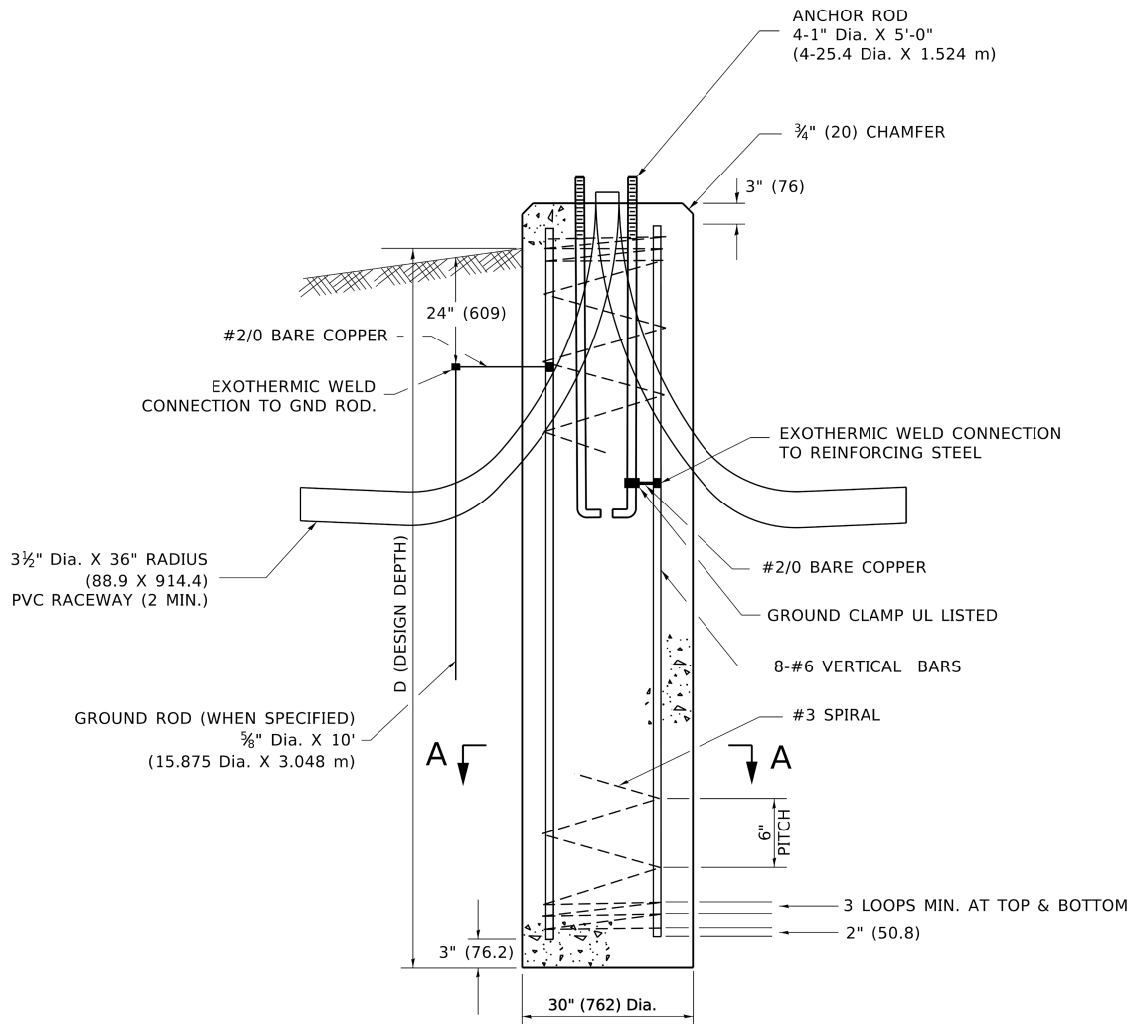
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2653	20-00073-01-PV	COOK	322	128
CONTRACT NO. 61K93				
ILLINOIS FED. AID PROJECT				

LIGHT POLE FOUNDATION DEPTH TABLE
30 FT. (9.144 m) TO 35 FT. (10.668 m) MOUNTING HEIGHT

SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	11'-0" (3.35 m)	12'-8" (3.85 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT.	9'-0" (2.74 m)	14'-10" (4.52 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-6" (2.29 m)	8'-7" (2.61 m)
LOOSE SAND φ = 34°	9'-6" (2.90 m)	10'-7" (3.22 m)
MEDIUM SAND φ = 37.5°	9'-0" (2.74 m)	9'-10" (2.99 m)
DENSE SAND φ = 40°	8'-3" (2.51 m)	9'-7" (2.91 m)



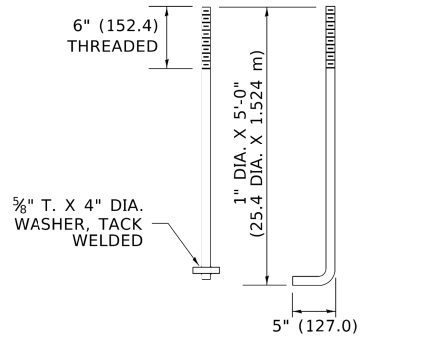
TOP VIEW



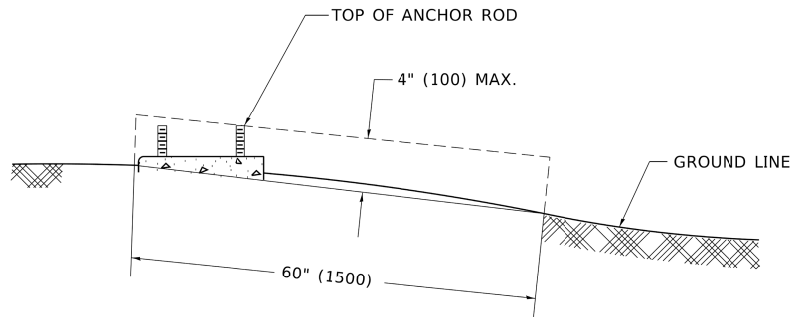
FOUNDATION DETAIL

NOTES

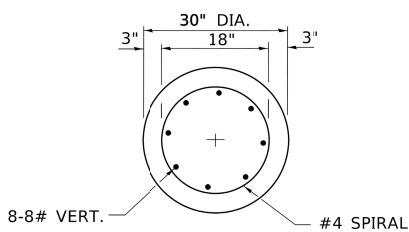
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3#4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 23#4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.



ANCHOR BOLT DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A

MODEL: Default
FILE: I:\AMEE_Plan\planroom.dot\Illinois.gov-PWIDOT\Documents\DOT_Offices\District 1\Projects\Dist4\Sub2\2x4\CAD\Drawn\CADsheets\be300.dgn
be300.dgn 4/19/2019 2:16:45 PM User:footem

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = footem]	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 4/19/2019	DATE -	REVISED -

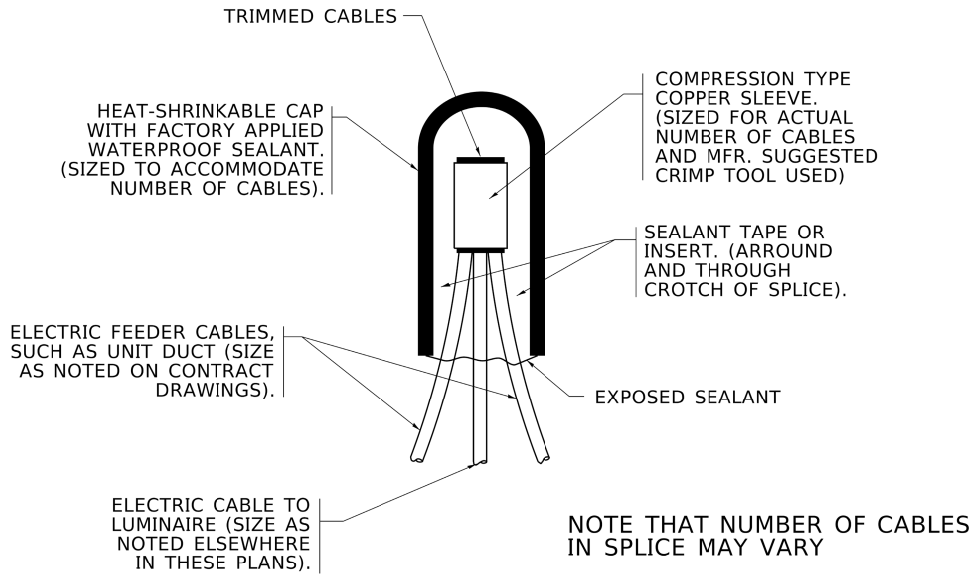
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION
30' (9.144 m) TO 35' (10.668 m) M.H. 11 1/2" (292 mm) BOLT CIRCLE

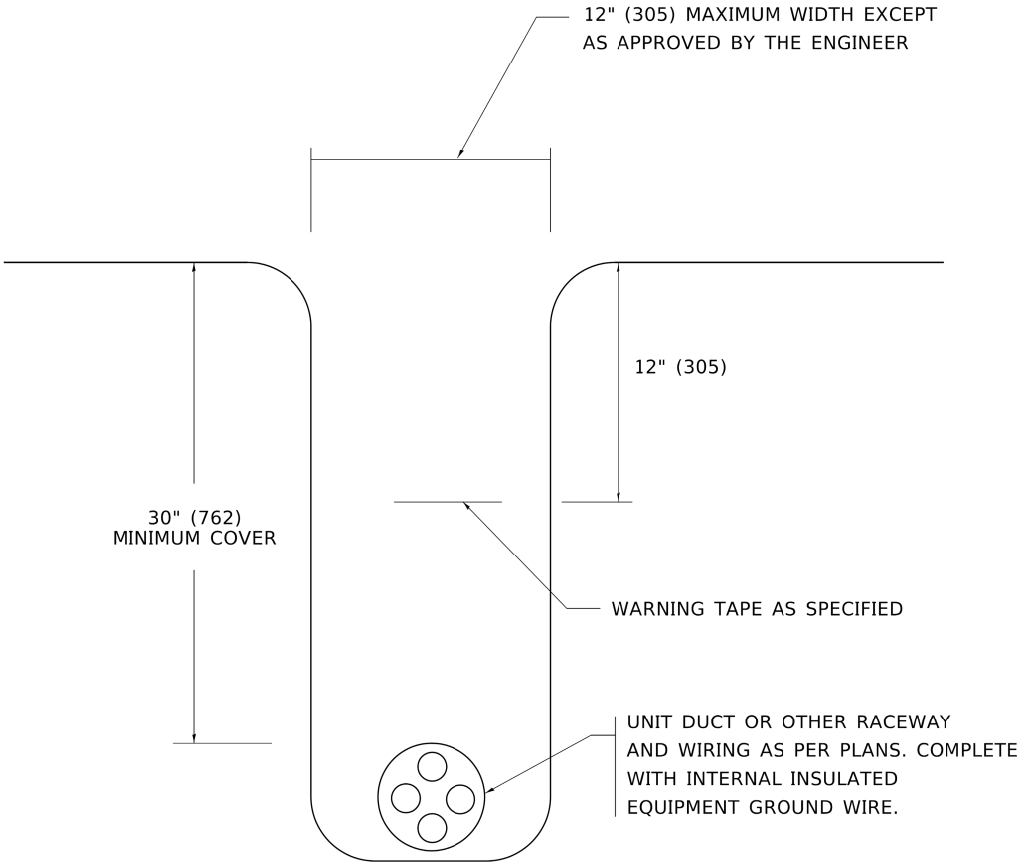
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2653	20-00073-01-PV	COOK	322	129
BE-300		CONTRACT NO: 61K93		
ILLINOIS		FED. AID PROJECT		

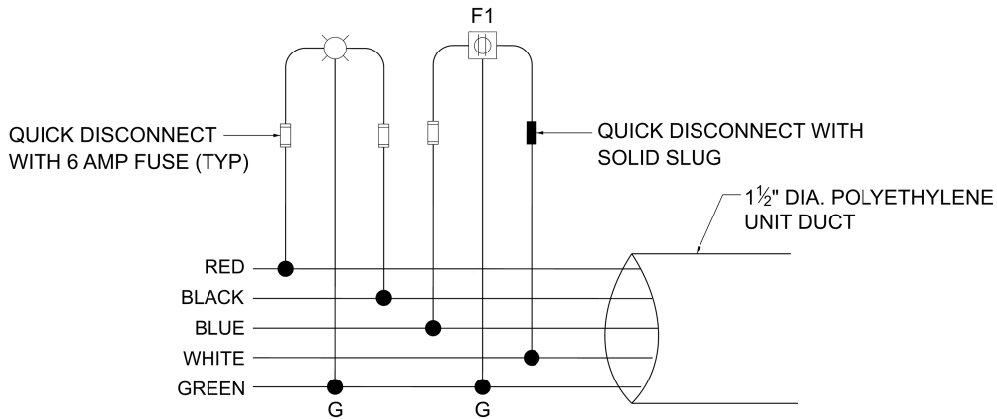
LT-14



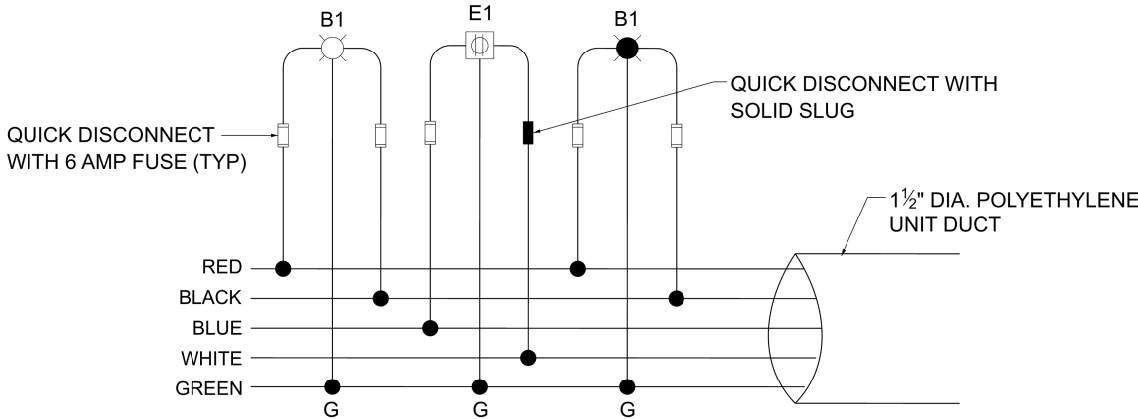
TYPICAL SPLICE DETAIL
N.T.S.



TYPICAL WIRING IN TRENCH DETAIL
N.T.S.



POLE WIRING DIAGRAM
FOR POLES ON EAST SIDE OF TONNE ROAD



POLE WIRING DIAGRAM
FOR POLES ON WEST SIDE OF TONNE ROAD

MODEL: Default
FILE NAME: p:\planroom.dot\illinois.gov-PWD\DOT\Documents\DOT Offices\District 1\Projects\Dist5\4224\4\CAD\Drawn\CADsheets\be702.dgn

USER NAME = leysa	DESIGNED -	REVISED - 02/04/2020
DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/2/2020	DATE - 08/08/2003	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISC. ELECTRICAL DETAILS
SHEET A

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2653	20-00073-01-PV	COOK	322	130
BE-702		CONTRACT NO. 61K93		
ILLINOIS		FED. AID PROJECT		

FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT BARS	SPIRAL	VERT BARS	SPIRAL
SOFT CLAY	13'-0" (3.962 m)	15'-0" (4.572 m)	8-#6X12'-6" (3.810 m)	#3X122' (37.186 m)	8-#6X14'-3" (4.343 m)	#3X141' (42.977 m)
MEDIUM CLAY	9'-6" (2.896 m)	10'-9" (3.277 m)	8-#6X9'-0" (2.743 m)	#3X90' (27.432 m)	8-#6X10'-0" (3.048 m)	#3X100' (30.480 m)
STIFF CLAY	7'-0" (2.134 m)	8'-0" (2.438 m)	8-#6X6'-6" (1.981 m)	#3X66' (20.112 m)	8-#6X7'-6" (2.286 m)	#3X76' (23.165 m)
LOOSE SAND	9'-0" (2.743 m)	10'-0" (3.048 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)	8-#6X9'-6" (2.896 m)	#3X94' (28.651 m)
MEDIUM SAND	8'-3" (2.515 m)	9'-0" (2.743 m)	8-#6X8'-0" (2.438 m)	#3X78' (23.774 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
DENSE SAND	7'-9" (2.362 m)	9'-0" (2.743 m)	8-#6X7'-6" (2.286 m)	#3X73' (22.250 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
ROCK OR SOLIDIFIED SLAG	5'-0" (1.524 m)	5'-0" (1.524 m)	NONE	NONE	NONE	NONE

OFFSET SCHEDULE

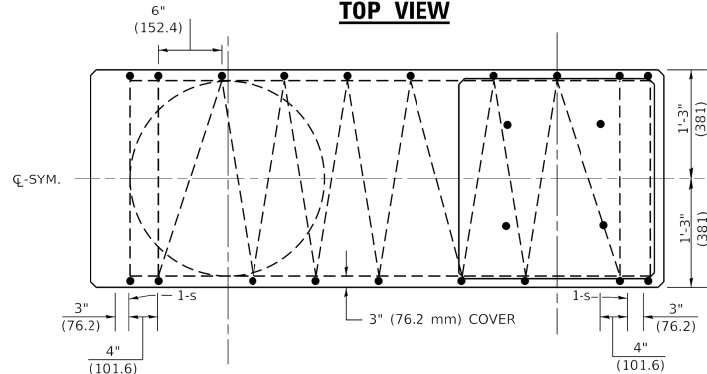
SEWER DIAM. d IN.	PILE OFFSET from Q-MED'N FT.	LENGTH of BAR a FT.
UP TO 24" (609.6 mm)	3'-3" (0.991 m)	#6 x 5'-3" (1.600 m)
27" (685.8 m) TO 36" (914.4 mm)	3'-9" (1.143 m)	5'-9" (1.753 m)
42" (1066.8 mm) TO 48" (1219.2 mm)	4'-6" (1.372 m)	6'-6" (1.981 m)
54" (1371.6 mm) TO 60" (1524.0 mm)	5'-0" (1.524 m)	7'-0" (2.134 m)
66" (1676.4 mm) TO 72" (1828.8 mm)	5'-6" (1.676 m)	7'-6" (2.286 m)

NOTES

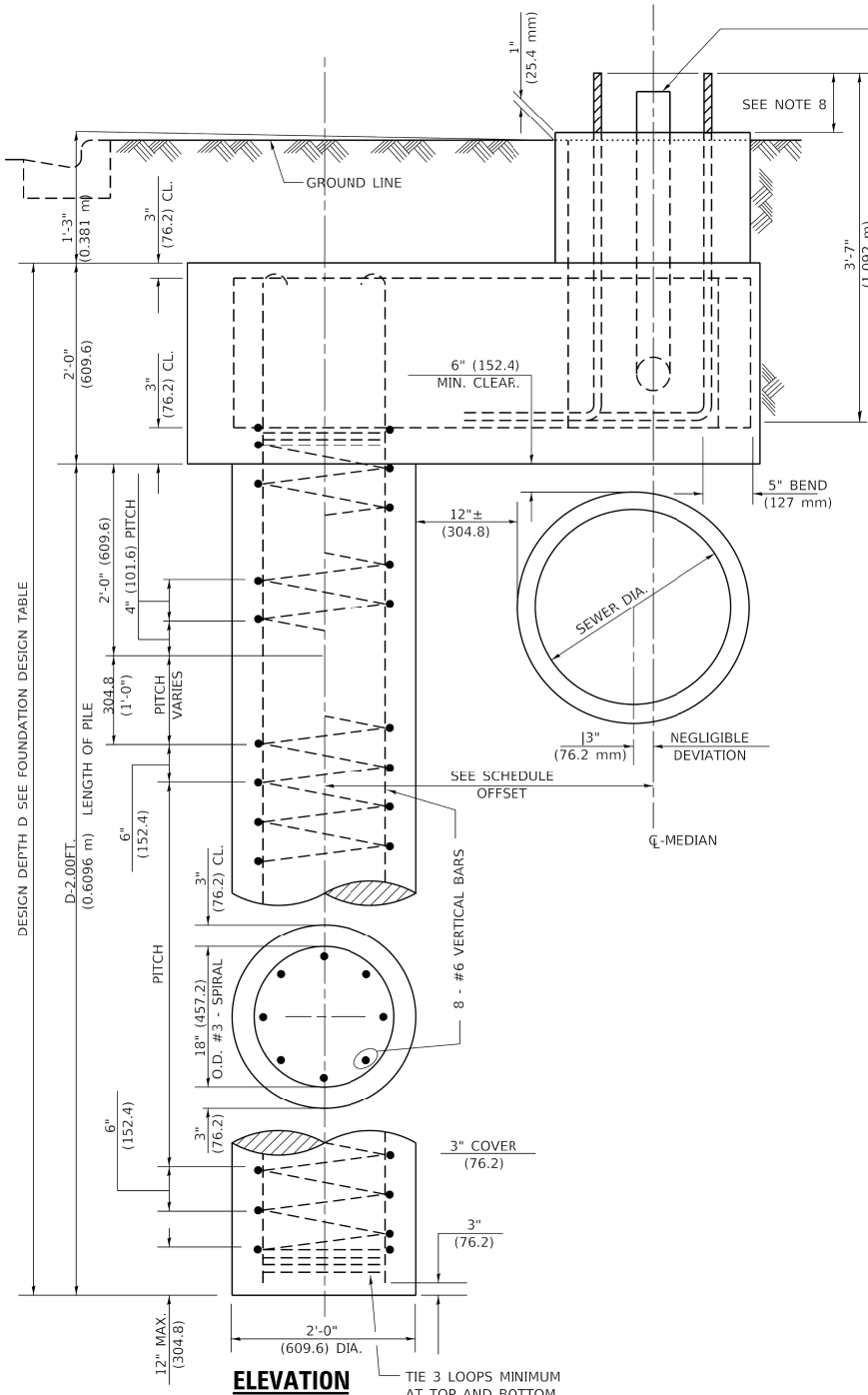
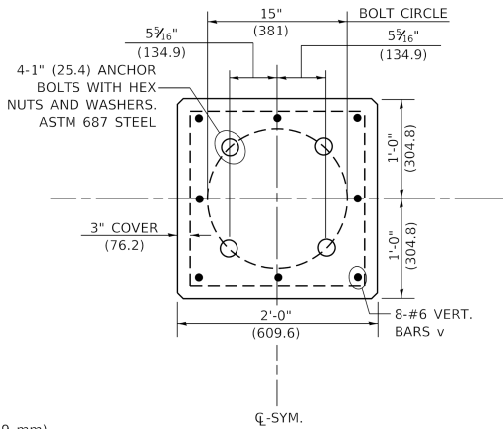
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
3. EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" (609.6 mm) OR 30" (762.0 mm) IN DIAMETER.
4. THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
5. THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
6. THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
7. THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT BREAKAWAY DEVICE, ANCHOR BOLTS SHALL PROJECT 23#4" (69.9 mm) ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENTION WITH ENGINEER.
8. RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
9. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERCTED.

PLAN-CAP BEAM

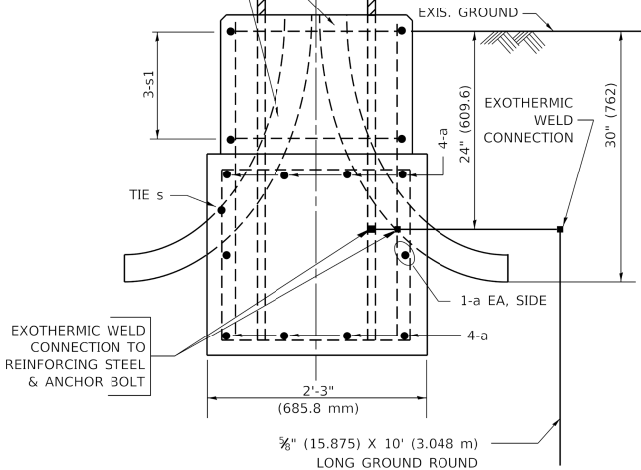
TOP VIEW



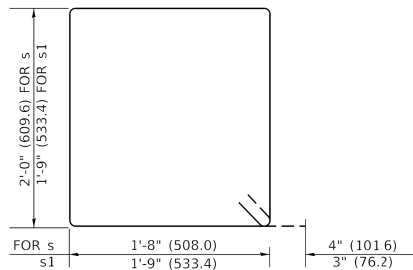
TOP VIEW



END VIEW



BARS s, s1



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

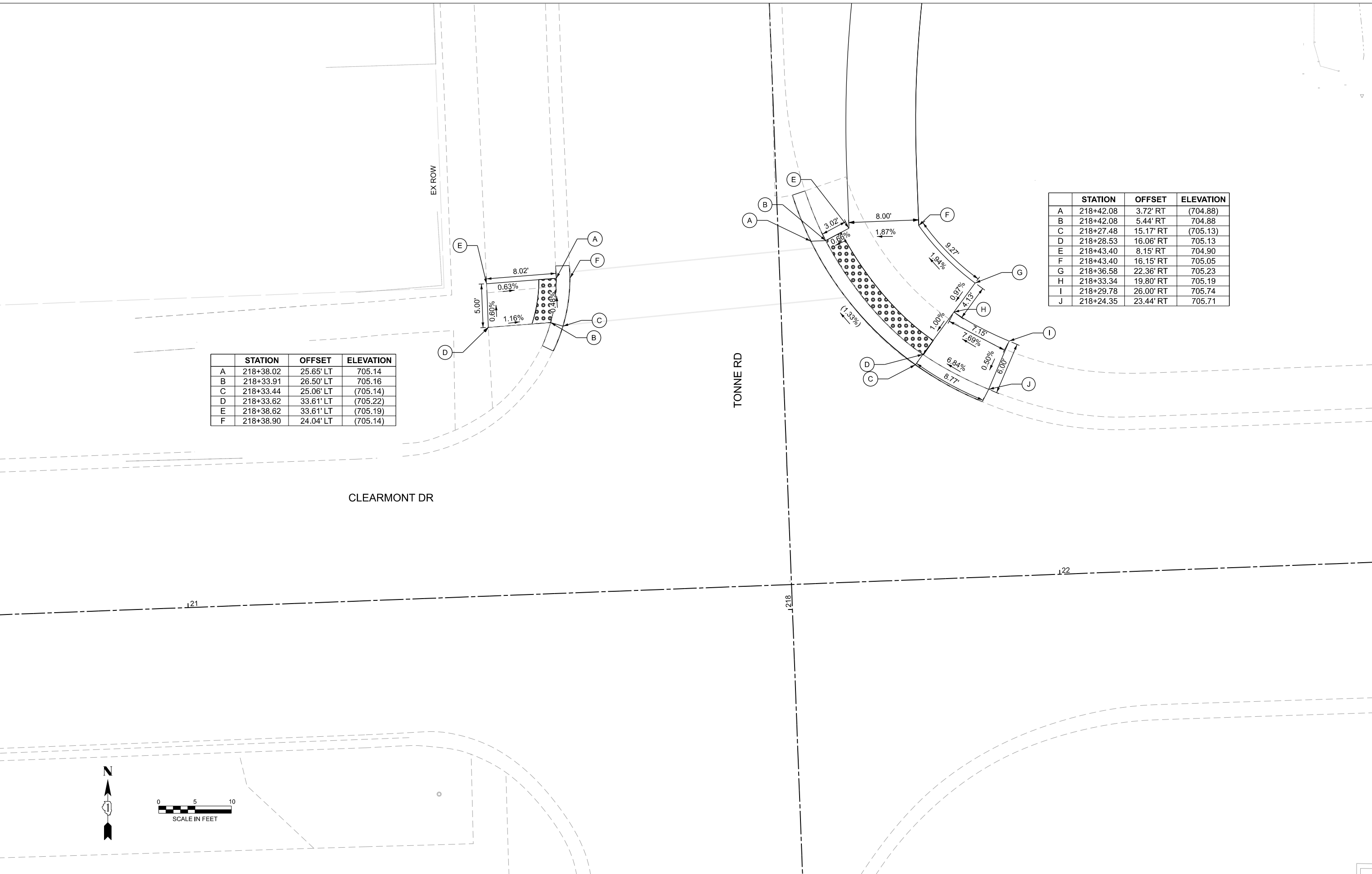
LIGHT POLE FOUNDATION OFFSET
40' (12.192m) TO 47 1/2' (14.478m) M.H., 15" (381mm) BOLT CIRCLE

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2653	20-00073-01-PV	COOK	322	131
BE310		CONTRACT NO.	61K93	
		ILLINOIS	FED. AID PROJECT	

LT-16

MODEL: ADA-01 [Sheet]
FILE NAME: 220706_srl_ADA_North.dgn



	STATION	OFFSET	ELEVATION
A	218+38.02	25.65' LT	705.14
B	218+33.91	26.50' LT	705.16
C	218+33.44	25.06' LT	(705.14)
D	218+33.62	33.61' LT	(705.22)
E	218+38.62	33.61' LT	(705.19)
F	218+38.90	24.04' LT	(705.14)

	STATION	OFFSET	ELEVATION
A	218+42.08	3.72' RT	(704.88)
B	218+42.08	5.44' RT	704.88
C	218+27.48	15.17' RT	(705.13)
D	218+28.53	16.06' RT	705.13
E	218+43.40	8.15' RT	704.90
F	218+43.40	16.15' RT	705.05
G	218+36.58	22.36' RT	705.23
H	218+33.34	19.80' RT	705.19
I	218+29.78	26.00' RT	705.74
J	218+24.35	23.44' RT	705.71



HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME	= mzuzda
DESIGNED	-
DRAWN	-
PLOT SCALE	= 0.16666633" / In.
CHECKED	-
PLOT DATE	= 8/5/2025
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

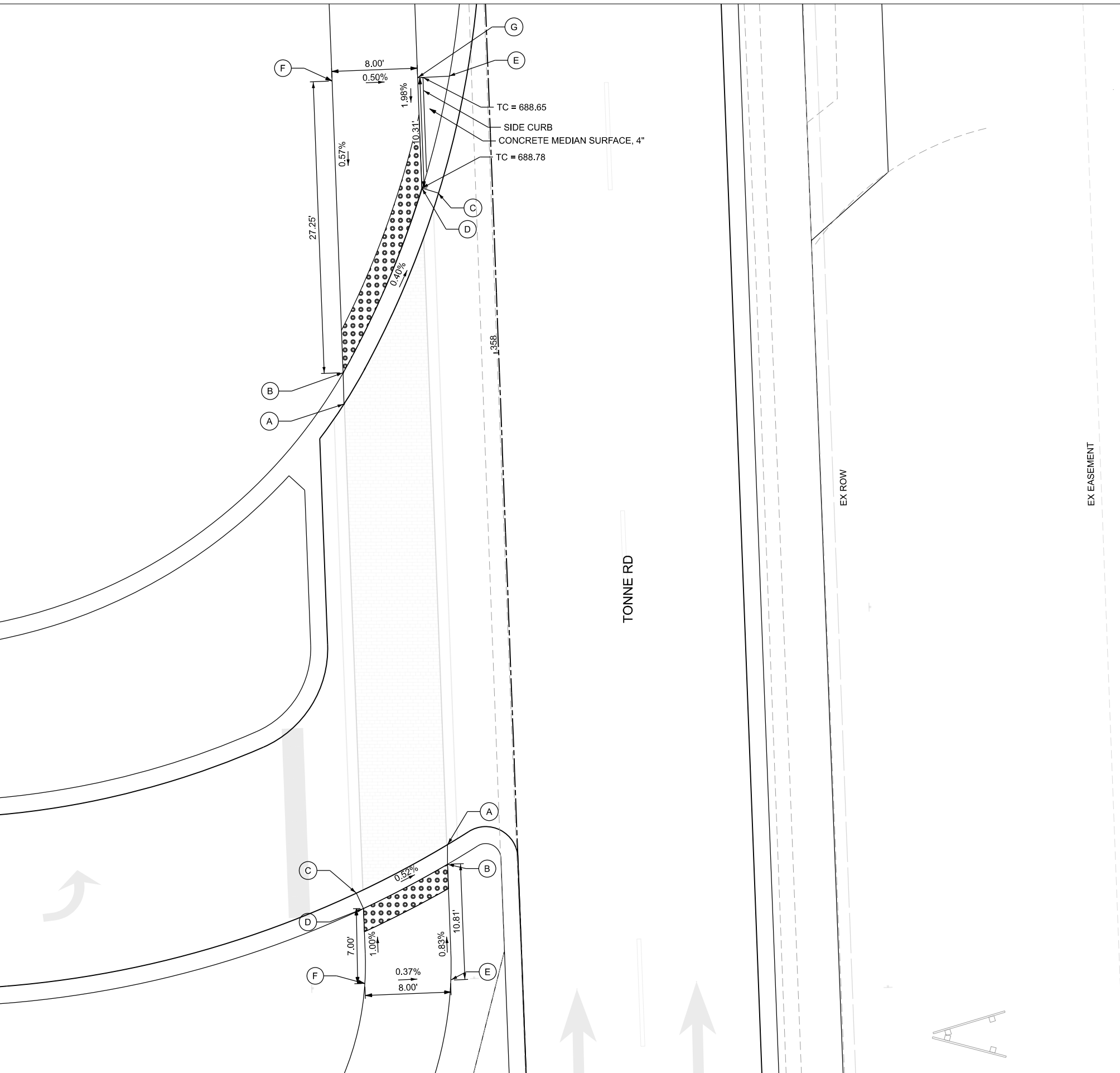
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS
TONNE ROAD / CLEARMONT DRIVE

SCALE: SHEET 1 OF 18 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	132
CONTRACT NO.				61K93
ILLINOIS		FED. AID PROJECT		

MODEL: ADA-03 (Sheet)
FILE NAME: 220706_srl_ADA_North.dgn



	STATION	OFFSET	ELEVATION
A	357+95.76	14.61' LT	688.55
B	357+98.67	14.58' LT	688.54
C	358+15.11	5.09' LT	688.45
D	358+15.63	6.58' LT	688.45
E	358+25.94	3.69' LT	688.64
F	358+25.94	14.58' LT	688.69
G	358+25.94	6.58' LT	688.65

	STATION	OFFSET	ELEVATION
A	357+54.31	6.51' LT	688.60
B	357+52.47	6.58' LT	688.60
C	357+50.10	15.20' LT	688.65
D	357+48.64	14.58' LT	688.65
E	357+41.66	6.69' LT	688.69
F	357+41.64	14.72' LT	688.72



HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME = mzuzda	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633" / 1in.	CHECKED -	REVISED -
PLOT DATE = 8/5/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS
TONNE ROAD / MEDIAN U-TURN NORTHBOUND

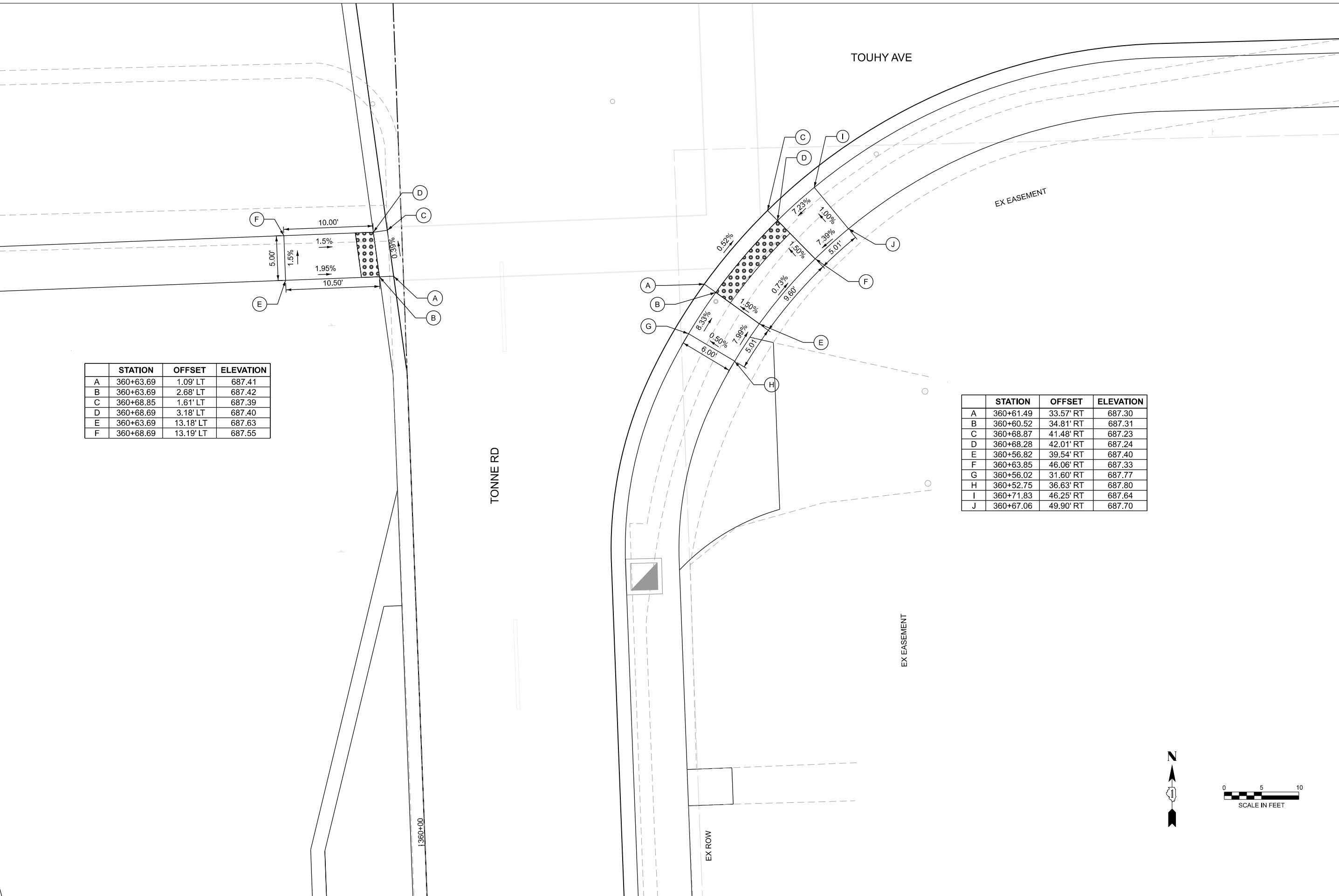
SCALE: SHEET 4 OF 18 SHEETS STA. TO STA.



0 5 10
SCALE IN FEET

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	135
CONTRACT NO.				61K93
ILLINOIS FED. AID PROJECT				

MODEL: ADA-04 [Sheet]
FILE NAME: 220706_srl_ADA_North.dgn



	STATION	OFFSET	ELEVATION
A	360+63.69	1.09' LT	687.41
B	360+63.69	2.68' LT	687.42
C	360+68.85	1.61' LT	687.39
D	360+68.69	3.18' LT	687.40
E	360+63.69	13.18' LT	687.63
F	360+68.69	13.19' LT	687.55

	STATION	OFFSET	ELEVATION
A	360+61.49	33.57' RT	687.30
B	360+60.52	34.81' RT	687.31
C	360+68.87	41.48' RT	687.23
D	360+68.28	42.01' RT	687.24
E	360+56.82	39.54' RT	687.40
F	360+63.85	46.06' RT	687.33
G	360+56.02	31.60' RT	687.77
H	360+52.75	36.63' RT	687.80
I	360+71.83	46.25' RT	687.64
J	360+67.06	49.90' RT	687.70



HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME = mzu2do	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633" / In.	CHECKED -	REVISED -
PLOT DATE = 8/5/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS
TONNE ROAD / TOUHY AVENUE

SCALE: SHEET 5 OF 18 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	136
ILLINOIS FED. AID PROJECT				CONTRACT NO. 61K93



SCALE IN FEET

	STATION	OFFSET	ELEVATION
A	361+09.01	34.05' RT	687.65
B	361+10.62	34.11' RT	687.66
C	361+09.46	40.11' RT	687.75
D	361+11.04	40.11' RT	687.76
E	361+16.04	34.11' RT	687.74
F	361+16.04	40.11' RT	687.83
G	361+21.56	34.11' RT	688.14
H	361+42.33	36.69' RT	687.82
I	361+39.13	43.28' RT	687.87
J	361+20.88	40.11' RT	688.23
K	361+40.51	36.69' RT	687.84
L	361+32.74	36.69' RT	687.91
M	361+37.66	42.69' RT	687.88
N	361+32.05	42.69' RT	687.94

	STATION	OFFSET	ELEVATION
A	361+77.01	37.01' RT	687.55
B	361+79.74	37.09' RT	687.55
C	361+88.05	41.55' RT	687.63
D	361+79.90	46.32' RT	687.58
E	361+73.45	41.91' RT	687.51
F	361+71.25	41.82' RT	687.51
G	361+74.58	49.49' RT	687.80
H	361+68.51	47.33' RT	687.97
I	361+94.37	36.49' RT	687.91
J	361+92.57	30.74' RT	688.07
K	361+88.50	35.80' RT	687.75
L	361+85.55	37.27' RT	687.58
M	361+77.34	42.02' RT	687.53
N	361+91.67	39.84' RT	687.70

EX ROW

TOUHY AVE

TOUHY AVE

TONNE RD

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS
TONNE ROAD / TOUHY AVENUE

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	137
CONTRACT NO.				61K93
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 6 OF 18 SHEETS STA. TO STA.

MODEL: ADA-05 [Sheet]
FILE NAME: 220706_srl_ADA_North.dgn



HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME = mzuzda	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633" / 1 in.	CHECKED -	REVISED -
PLOT DATE = 8/5/2025	DATE -	REVISED -

MODEL: ADA-06 [Sheet]
FILE NAME: 220706_srl_ADA_North.dgn



HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME	= mzuзда	DESIGNED	-
		DRAWN	-
PLOT SCALE	= 0.16666633" / In.	CHECKED	-
PLOT DATE	= 8/5/2025	DATE	-

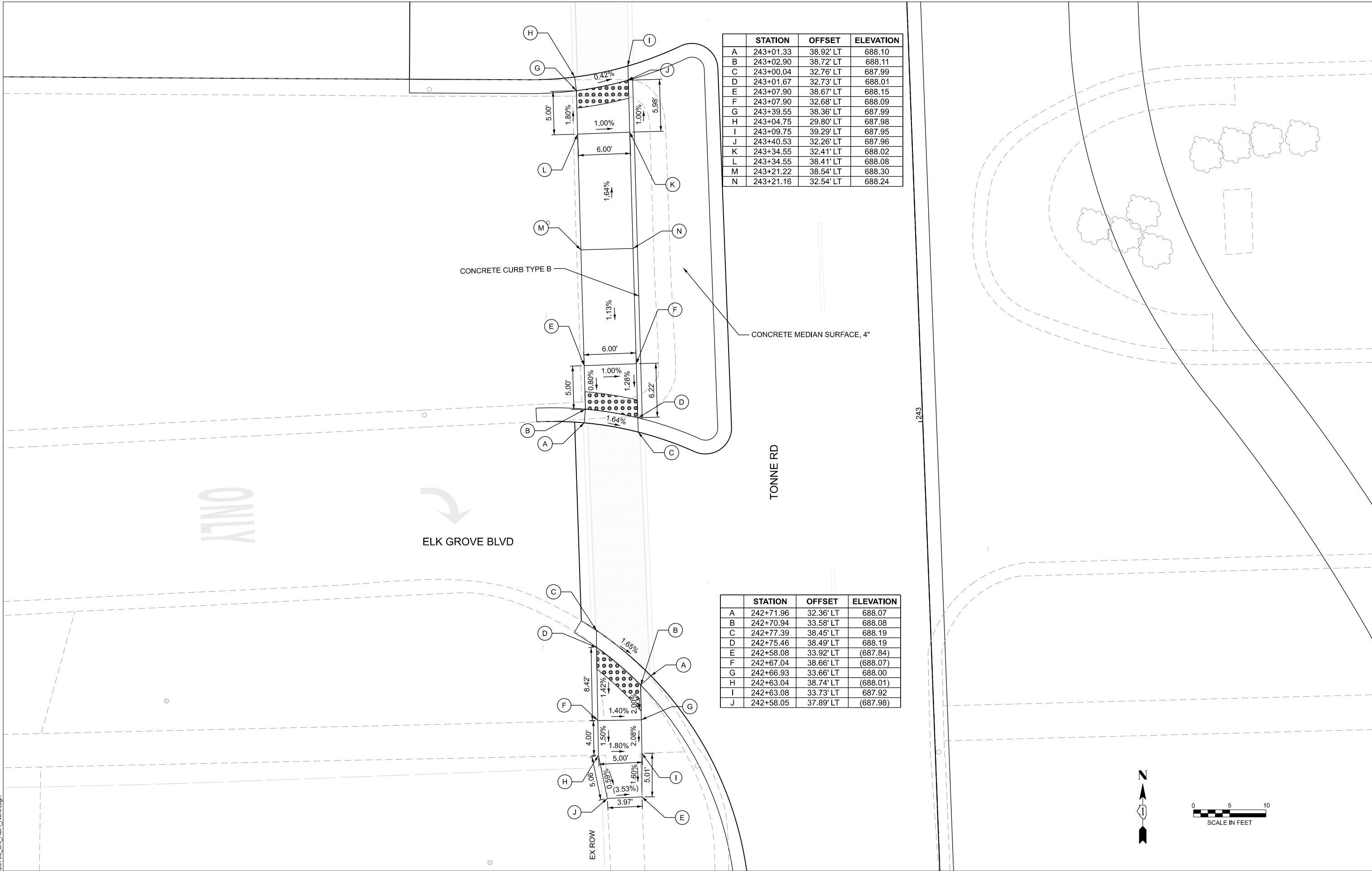
REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS
TONNE ROAD / ELK GROVE BOULEVARD

SCALE: SHEET 7 OF 18 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	138
CONTRACT NO.				61K93
ILLINOIS		FED. AID PROJECT		



	STATION	OFFSET	ELEVATION
A	243+01.33	38.92' LT	688.10
B	243+02.90	38.72' LT	688.11
C	243+00.04	32.76' LT	687.99
D	243+01.67	32.73' LT	688.01
E	243+07.90	38.67' LT	688.15
F	243+07.90	32.68' LT	688.09
G	243+39.55	38.36' LT	687.99
H	243+04.75	29.80' LT	687.98
I	243+09.75	39.29' LT	687.95
J	243+40.53	32.26' LT	687.96
K	243+34.55	32.41' LT	688.02
L	243+34.55	38.41' LT	688.08
M	243+21.22	38.54' LT	688.30
N	243+21.16	32.54' LT	688.24

	STATION	OFFSET	ELEVATION
A	242+71.96	32.36' LT	688.07
B	242+70.94	33.58' LT	688.08
C	242+77.39	38.45' LT	688.19
D	242+75.46	38.49' LT	688.19
E	242+58.08	33.92' LT	(687.84)
F	242+67.04	38.66' LT	(688.07)
G	242+66.93	33.66' LT	688.00
H	242+63.04	38.74' LT	(688.01)
I	242+63.08	33.73' LT	687.92
J	242+58.05	37.89' LT	(687.98)



	STATION	OFFSET	ELEVATION
A	243+88.40	0.00' RT	688.09
B	243+88.40	1.58' RT	688.10
C	243+83.40	0.00' RT	688.07
D	243+83.40	1.58' RT	688.08
E	243+88.40	6.58' RT	688.20
F	243+83.39	6.58' RT	688.18
G	243+88.40	18.58' RT	689.16
H	243+83.39	18.58' RT	689.14
I	243+98.39	18.58' RT	689.99
J	243+98.39	26.58' RT	689.95
K	243+73.39	26.58' RT	689.88
L	243+73.39	18.58' RT	689.91
M	243+88.39	26.58' RT	689.12
N	243+83.39	26.58' RT	689.06

	STATION	OFFSET	ELEVATION
A	243+69.04	37.65' LT	688.02
B	243+71.04	37.58' LT	688.01
C	243+74.40	31.37' LT	687.93
D	243+75.40	32.60' LT	687.94
E	243+82.83	25.57' LT	687.97
F	243+83.53	26.99' LT	687.98
G	243+88.50	23.38' LT	688.04
H	243+88.51	25.03' LT	688.05
I	243+83.53	32.63' LT	688.02
J	243+88.53	29.21' LT	688.08
K	243+83.54	37.61' LT	688.09
L	243+83.53	29.63' LT	688.00
M	243+88.57	37.62' LT	(688.15)
N	243+88.55	33.70' LT	(688.06)
O	243+79.84	37.61' LT	688.03
P	243+75.93	37.60' LT	687.96
Q	243+79.78	42.61' LT	(688.10)
R	243+75.87	42.60' LT	(688.05)

ELK GROVE BLVD

EX ROW

TONNE RD

CONCRETE MEDIAN SURFACE, 4"

1244

MODEL: ADA-07 [Sheet]
FILE NAME: 220706_srl_ADA_North.dgn



HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME = mzuzda	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633" / 1 in.	CHECKED -	REVISED -
PLOT DATE = 8/5/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS
TONNE ROAD / ELK GROVE BOULEVARD

SCALE: SHEET 8 OF 18 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	139
CONTRACT NO.				61K93
ILLINOIS		FED. AID PROJECT		

	STATION	OFFSET	ELEVATION
A	246+68.39	5.93' RT	689.77
B	246+70.25	6.00' RT	689.76
C	246+72.88	14.65' RT	689.72
D	246+74.33	14.00' RT	689.72
E	246+80.00	14.00' RT	689.82
F	246+80.00	6.00' RT	689.90



TONNE RD

EX ROW

CURB TYPE B

CONCRETE MEDIAN
SURFACE, 4"

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS
TONNE ROAD / MEDIAN U-TURN SOUTHBOUND

	STATION	OFFSET	ELEVATION
A	246+19.92	12.53' RT	689.38
B	246+19.24	13.95' RT	689.38
C	245+98.06	4.41' RT	689.20
D	245+97.65	5.94' RT	689.20
E	245+89.59	13.90' RT	689.46
F	245+89.86	5.90' RT	689.34
G	245+89.88	4.08' RT	689.34

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	140
CONTRACT NO. 61K93				
ILLINOIS FED. AID PROJECT				

MODEL: ADA-08 [Sheet]
FILE NAME: 220706_srl_ADA_North.dgn

HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME = muzzio	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633" / 1in.	CHECKED -	REVISED -
PLOT DATE = 8/5/2025	DATE -	REVISED -

SCALE: SHEET 9 OF 18 SHEETS STA. TO STA.

MODEL: ADA-09 [Sheet]
FILE NAME: 220706_srl_ADA_North.dgn



HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME = muzzio
PLOT SCALE = 0.16666633" / In.
PLOT DATE = 8/5/2025

DESIGNED -
DRAWN -
CHECKED -
DATE -

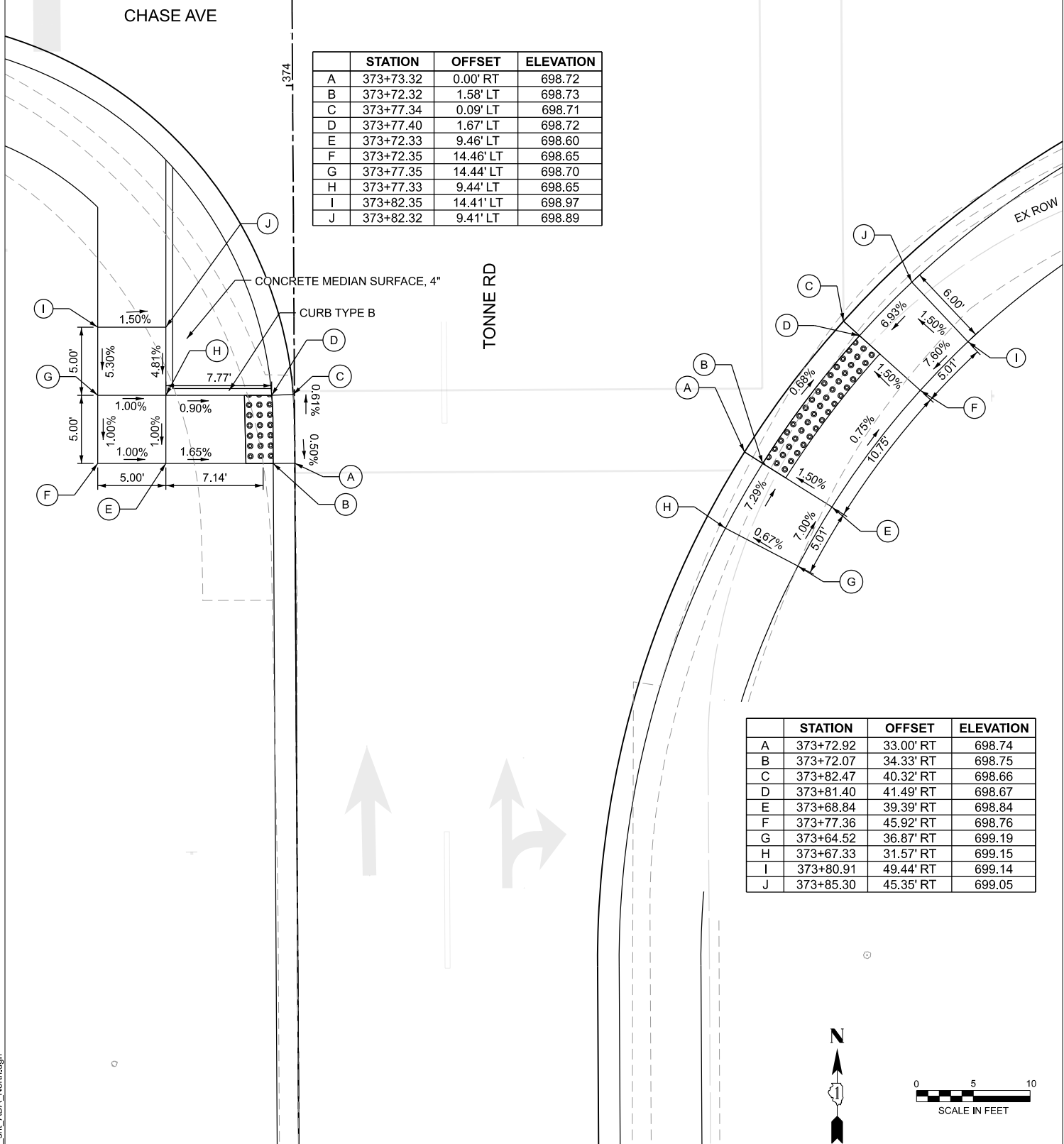
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

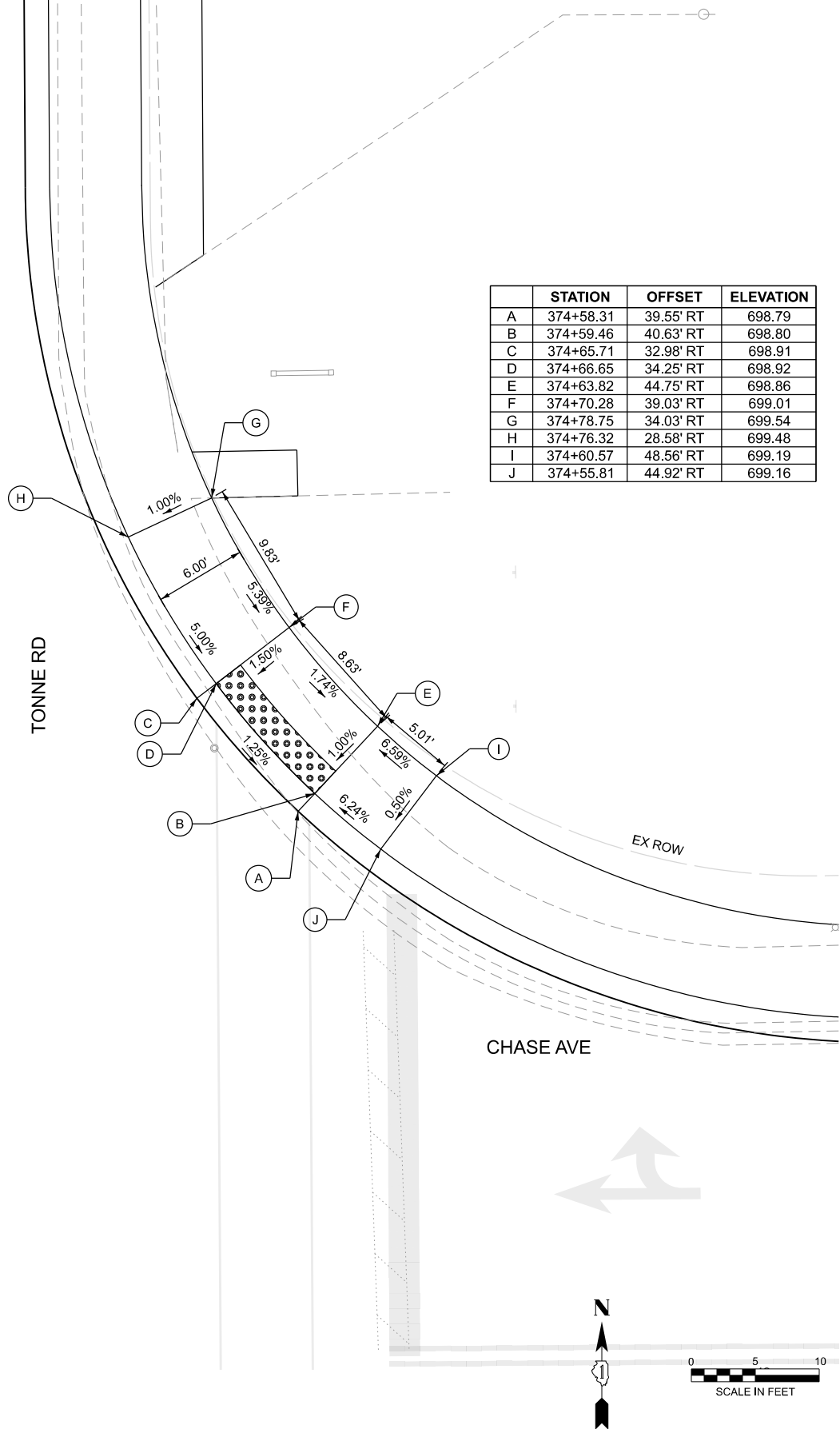
SIDEWALK RAMP DETAILS
TONNE ROAD / CHASE AVENUE

SCALE: SHEET 10 OF 18 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	141
CONTRACT NO. 61K93				
ILLINOIS FED. AID PROJECT				



1375+00



MODEL: ADA-10 (Sheet)
FILE NAME: 220706_srl_ADA_North.dgn



HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME	= mzuzda
DESIGNED	-
DRAWN	-
PLOT SCALE	= 0.16666633" / In.
CHECKED	-
PLOT DATE	= 8/5/2025
DATE	-
REVISED	-

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-
REVISED	-

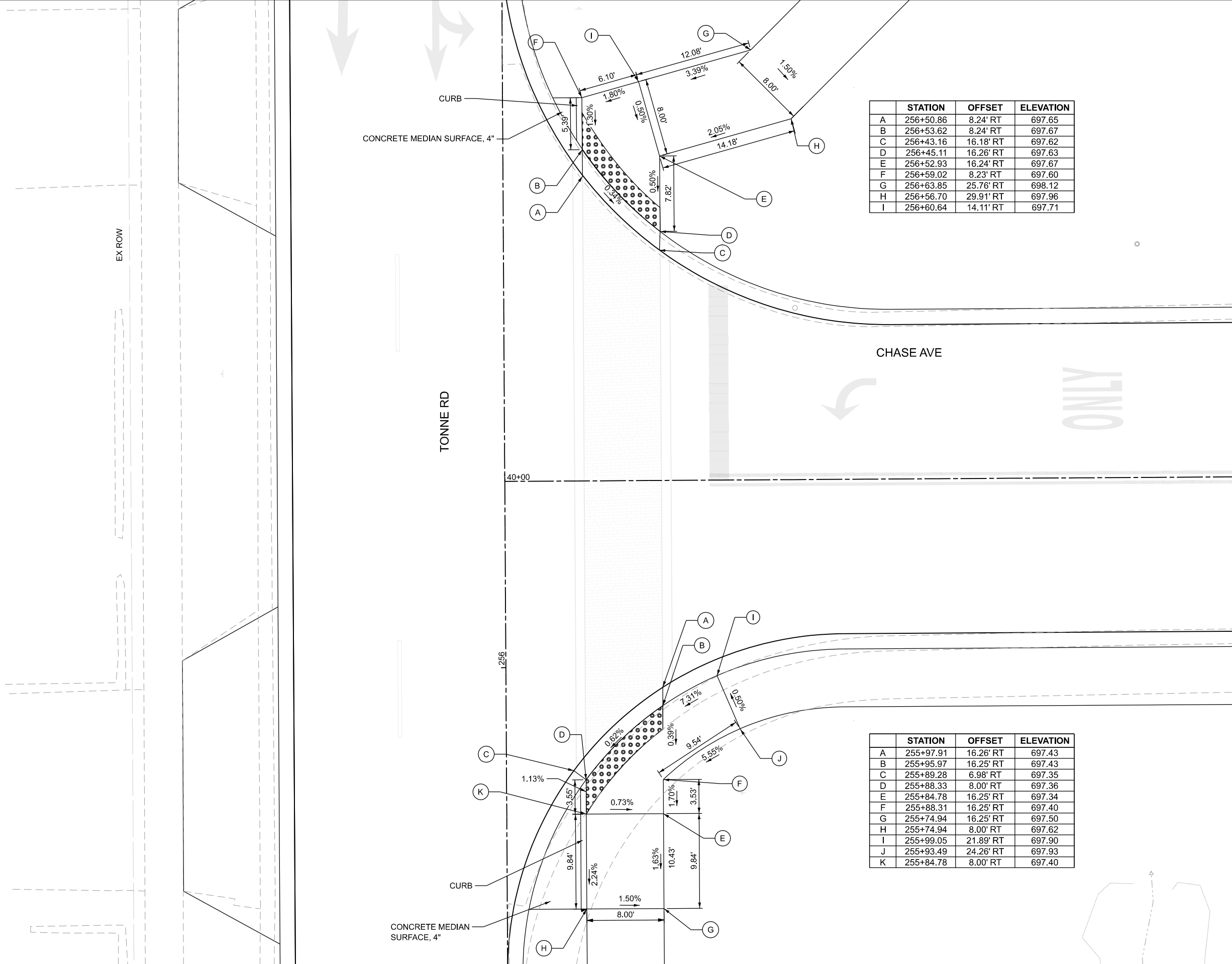
REVISED	-
REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS
TONNE ROAD / CHASE AVENUE

SCALE: SHEET 11 OF 18 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	142
CONTRACT NO.				61K93
ILLINOIS FED. AID PROJECT				



	STATION	OFFSET	ELEVATION
A	256+50.86	8.24' RT	697.65
B	256+53.62	8.24' RT	697.67
C	256+43.16	16.18' RT	697.62
D	256+45.11	16.26' RT	697.63
E	256+52.93	16.24' RT	697.67
F	256+59.02	8.23' RT	697.60
G	256+63.85	25.76' RT	698.12
H	256+56.70	29.91' RT	697.96
I	256+60.64	14.11' RT	697.71

	STATION	OFFSET	ELEVATION
A	255+97.91	16.26' RT	697.43
B	255+95.97	16.25' RT	697.43
C	255+89.28	6.98' RT	697.35
D	255+88.33	8.00' RT	697.36
E	255+84.78	16.25' RT	697.34
F	255+88.31	16.25' RT	697.40
G	255+74.94	16.25' RT	697.50
H	255+74.94	8.00' RT	697.62
I	255+99.05	21.89' RT	697.90
J	255+93.49	24.26' RT	697.93
K	255+84.78	8.00' RT	697.40

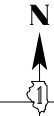
	STATION	OFFSET	ELEVATION
A	260+90.89	37.80' LT	699.73
B	260+92.59	37.79' LT	699.74
C	260+94.30	31.77' LT	699.71
D	260+95.54	32.76' LT	699.72
E	260+95.60	37.76' LT	699.75
F	260+97.97	37.73' LT	699.79
G	260+98.01	32.73' LT	699.76
H	261+03.02	33.48' LT	699.86
I	260+98.96	42.16' LT	(700.03)
J	261+02.92	42.18' LT	(700.12)
K	261+02.97	37.53' LT	699.85
L	261+08.02	37.50' LT	(700.21)
M	261+08.06	33.48' LT	(700.04)

	STATION	OFFSET	ELEVATION
A	261+03.88	9.96' RT	699.54
B	261+03.34	9.96' RT	699.56
C	260+96.91	17.94' RT	699.40
D	260+98.82	17.95' RT	699.43
E	261+16.96	17.95' RT	699.70
F	261+21.96	17.95' RT	699.77
G	261+21.96	9.96' RT	699.89
H	261+16.96	9.96' RT	699.82

	STATION	OFFSET	ELEVATION
A	260+57.17	37.82' LT	699.59
B	260+55.46	37.83' LT	699.59
C	260+53.57	31.55' LT	699.54
D	260+52.37	32.58' LT	699.55
E	260+50.15	28.03' LT	699.51
F	260+49.22	29.32' LT	699.52
G	260+44.21	24.30' LT	699.47
H	260+44.22	25.97' LT	699.48
I	260+45.32	44.20' LT	(699.81)
J	260+49.22	32.58' LT	699.58
K	260+49.22	37.83' LT	699.60
L	260+45.34	37.82' LT	699.55
M	260+44.22	33.39' LT	699.49
N	260+41.27	37.30' LT	(699.65)
O	260+41.24	33.36' LT	(699.68)
P	260+49.22	44.20' LT	(699.77)

	STATION	OFFSET	ELEVATION
A	260+40.68	8.58' RT	699.32
B	260+39.89	9.96' RT	699.33
C	260+51.29	17.97' RT	699.24
D	260+49.28	17.96' RT	699.26
E	260+31.18	17.96' RT	699.42
F	260+31.18	9.95' RT	699.46
G	260+47.35	25.83' RT	699.68
H	260+52.68	23.07' RT	699.65
I	260+40.91	17.96' RT	699.32
J	260+44.61	21.73' RT	699.29
K	260+26.18	9.96' RT	699.87
L	260+26.18	17.98' RT	699.75

MODEL: ADA-11 [Sheet]
FILE NAME: 220706_srl_ADA_North.dgn



HRGreen.com

SCALE IN FEET

USER NAME = mzuada

DESIGNED -

DRAWN -

CHECKED -

DATE -

PLOT SCALE = 0.16666633" / ft.

PLOT DATE = 8/5/2025

DESIGNED -

DRAWN -

CHECKED -

DATE -

REVISED -

REVISED -

REVISED -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS
TONNE ROAD / LAUREL AVENUE

SCALE:

SHEET 12 OF 18 SHEETS

STA.

TO STA.

FAU

RTE.

SECTION

COUNTY

TOTAL

SHEETS

SHEET

NO.

2652

20-00073-01-PV

COOK

322

143

CONTRACT NO. 61K93

ILLINOIS FED. AID PROJECT

MODEL: ADA-12 (Sheet)
FILE NAME: 220706_srl_ADA_North.dgn



HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME	= mzuadd	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 0.16666633" / In.	CHECKED	-	REVISED	-
PLOT DATE	= 8/5/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS
TONNE ROAD / LAUREL AVENUE

SCALE: SHEET 13 OF 18 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	144
CONTRACT NO.				61K93
ILLINOIS		FED. AID PROJECT		

	STATION	OFFSET	ELEVATION
A	378+37.18	0.86' LT	698.51
B	378+37.21	2.50' LT	698.52
C	378+42.76	2.85' LT	698.56
D	378+42.21	4.31' LT	698.57
E	378+42.21	10.43' LT	698.72
F	378+37.21	10.43' LT	698.63
G	378+37.21	15.40' LT	698.67
H	378+42.21	15.40' LT	698.73
I	378+47.12	15.46' LT	699.12
J	378+51.68	11.57' LT	699.09
K	378+37.25	4.31' LT	698.54

	STATION	OFFSET	ELEVATION
A	378+42.21	22.00' RT	698.52
B	378+42.21	23.58' RT	698.53
C	378+37.21	22.00' RT	698.49
D	378+37.21	23.58' RT	698.50
E	378+42.21	29.58' RT	698.59
F	378+37.21	29.58' RT	698.56
G	378+32.21	29.58' RT	698.94
H	378+32.21	23.58' RT	698.91
I	378+47.21	29.58' RT	698.94
J	378+47.21	24.15' RT	698.94

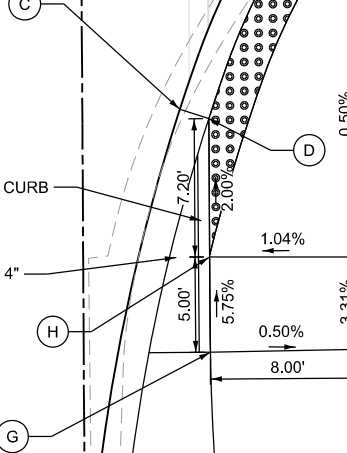


	STATION	OFFSET	ELEVATION
A	267+21.36	14.58' RT	702.90
B	267+23.44	14.58' RT	702.91
C	267+33.29	6.58' RT	702.85
D	267+32.51	5.21' RT	702.84
E	267+46.72	6.58' RT	703.05
F	267+46.72	14.58' RT	703.01
G	267+37.77	6.58' RT	702.92
H	267+37.77	14.58' RT	702.97

CONCRETE MEDIAN SURFACE, 4"

CURB

FARGO AVE



	STATION	OFFSET	ELEVATION
A	266+70.34	14.57' RT	702.56
B	266+68.08	14.57' RT	702.55
C	266+54.36	5.08' RT	702.42
D	266+53.86	6.58' RT	702.43
E	266+46.62	14.58' RT	702.66
F	266+41.71	14.60' RT	702.82
G	266+41.70	6.59' RT	702.86
H	266+46.67	6.58' RT	702.57

CONCRETE MEDIAN SURFACE, 4"

CURB

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS
TONNE ROAD / FARGO AVENUE

SCALE: SHEET 14 OF 18 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	145
				CONTRACT NO. 61K93
		ILLINOIS	FED. AID PROJECT	

MODEL: ADA-13 (Sheet)
FILE NAME: 220706_srl_ADA_North.dgn



HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME = mzuzda	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633" / In.	CHECKED -	REVISED -
PLOT DATE = 8/5/2025	DATE -	REVISED -

MODEL: ADA-14 (Sheet)
FILE NAME: 220706_srl_ADA_North.dgn



HRGreen.com
Illinois Professional Design Firm
184-001322

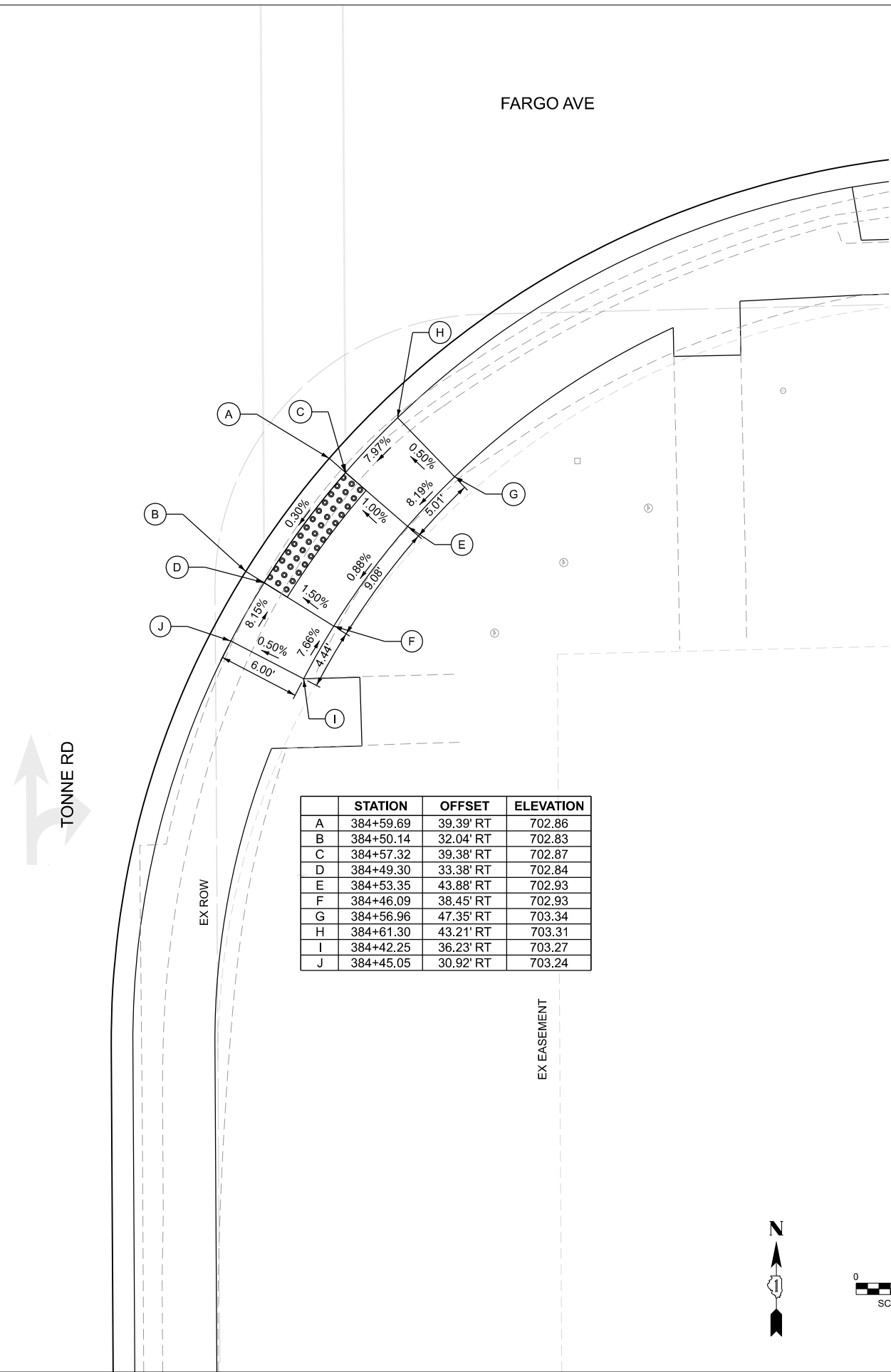
USER NAME	= muzzda	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 0.16666633" / In.	CHECKED	-	REVISED	-
PLOT DATE	= 8/5/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

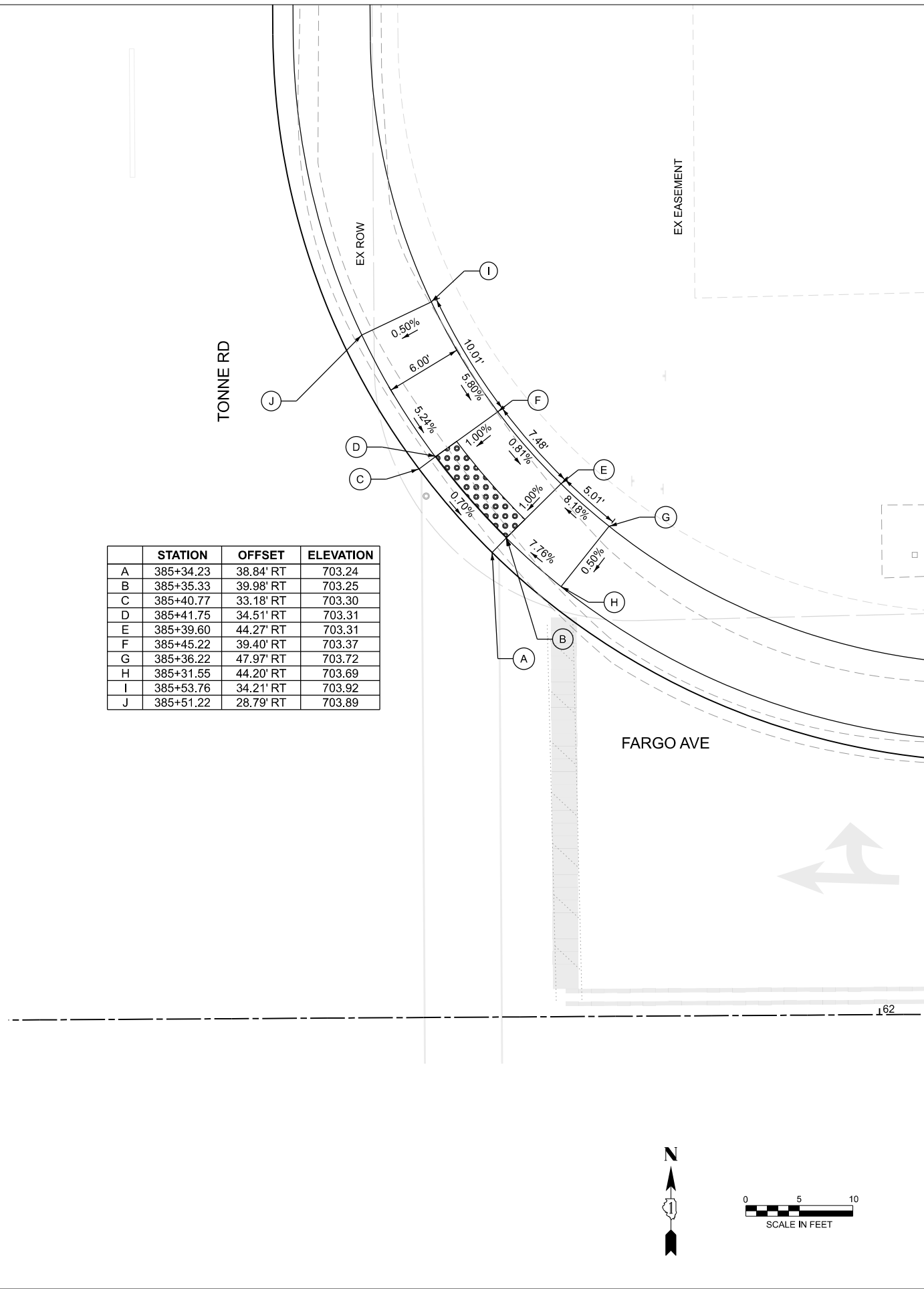
SCALE: SHEET 15 OF 18 SHEETS STA. TO STA.

SIDEWALK RAMP DETAILS
TONNE ROAD / FARGO AVENUE

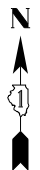
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	146
CONTRACT NO.				61K93
ILLINOIS FED. AID PROJECT				



	STATION	OFFSET	ELEVATION
A	384+59.69	39.39' RT	702.86
B	384+50.14	32.04' RT	702.83
C	384+57.32	39.38' RT	702.87
D	384+49.30	33.38' RT	702.84
E	384+53.35	43.88' RT	702.93
F	384+46.09	38.45' RT	702.93
G	384+56.96	47.35' RT	703.34
H	384+61.30	43.21' RT	703.31
I	384+42.25	36.23' RT	703.27
J	384+45.05	30.92' RT	703.24



	STATION	OFFSET	ELEVATION
A	385+34.23	38.84' RT	703.24
B	385+35.33	39.98' RT	703.25
C	385+40.77	33.18' RT	703.30
D	385+41.75	34.51' RT	703.31
E	385+39.60	44.27' RT	703.31
F	385+45.22	39.40' RT	703.37
G	385+36.22	47.97' RT	703.72
H	385+31.55	44.20' RT	703.69
I	385+53.76	34.21' RT	703.92
J	385+51.22	28.79' RT	703.89



	STATION	OFFSET	ELEVATION
A	275+46.34	49.17' LT	706.09
B	275+47.68	48.15' LT	706.14
C	275+44.07	42.86' LT	706.05
D	275+45.53	42.25' LT	706.07
E	275+50.01	46.39' LT	706.19
F	275+51.10	38.04' LT	706.16
G	275+62.76	49.05' LT	706.31
H	275+61.21	48.73' LT	706.31
I	275+64.36	41.21' LT	706.28
J	275+62.81	40.89' LT	706.28
K	275+53.04	24.00' LT	706.11
L	275+53.04	25.58' LT	706.11
M	275+61.38	24.00' LT	706.14
N	275+61.14	25.58' LT	706.14
O	275+57.25	47.90' LT	706.29
P	275+58.89	40.07' LT	706.26
Q	504+92.20	31.32' RT	706.37
R	504+92.20	32.30' RT	706.37
S	505+57.34	61.06' RT	706.01
T	505+62.44	59.57' RT	706.07
U	505+68.17	31.11' RT	706.17
V	504+88.03	50.94' RT	706.17

1. ALL ACCESSIBLE PEDESTRIAN SIGNAL PUSH-BUTTON LOCATIONS SHALL FOLLOW THE GUIDELINES FROM ADA/PROWAG.
2. THE LOCATION OF THE ACCESSIBLE PEDESTRIAN SYSTEM MUST BE PARALLEL TO THE CROSSWALK.
3. COORDINATION BETWEEN THE ELECTRICAL CONTRACTOR AND SIDEWALK CONTRACTOR IS REQUIRED BEFORE THE SIDEWALK CONSTRUCTION. THE CONTRACTOR SHALL CONTACT CDDOOTH AT 312-603-1734.
4. ACCESSIBLE PEDESTRIAN SYSTEM EXTENSION MAY BE NEEDED FOR THE ACCESSIBILITY AND CORRECT ALIGNMENT OF ACCESSIBLE PEDESTRIAN SYSTEM. THE EXTENSION SHALL BE INCLUDE THE COST OF THE PAY ITEM "ACCESSIBLE PEDESTRIAN SIGNAL".
5. IF PEDESTRIAN PUSH BUTTONS ARE CHANGED DUE TO ADA/PROWAG REQUIREMENTS, THE EXISTING HOLES IN THE POST AND/OR MAST ARM POLE SHALL BE PLUGGED. THIS SHALL BE INCLUDED IN THE COST OF THE PAY ITEM "ACCESSIBLE PEDESTRIAN SIGNAL".
6. ADDITIONAL SIDEWALK BEHIND THE TRAFFIC SIGNAL POST/POLE MAY BE NEEDED.

FOLLOW CCDTH GUIDELINES
SIDEWALK, 8" / DETECTABLE WARNING SPECIAL
(SIDEWALK, 8" SHALL BE PAID AS PPC SIDEWALK, 5")

	STATION	OFFSET	ELEVATION
A	275+18.35	63.60' LT	705.86
B	275+14.90	59.69' LT	705.82
C	275+16.34	65.23' LT	705.86
D	275+13.03	61.47' LT	705.82
E	275+14.64	73.05' LT	706.30
F	275+11.66	69.03' LT	705.92
G	275+09.35	57.92' LT	706.16
H	275+19.64	69.68' LT	706.24
I	275+04.97	62.09' LT	706.22
J	275+08.34	65.29' LT	705.88
K	275+22.27	73.94' LT	706.29
L	275+17.02	76.90' LT	706.38
M	275+24.52	72.67' LT	705.95
N	274+99.85	60.99' LT	706.30
O	275+00.90	56.10' LT	706.23
P	275+04.11	50.60' LT	705.71

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS
TONNE ROAD / LANDMEIER ROAD

SCALE:	SHEET 16 OF 18 SHEETS	STA.	TO STA.
--------	-----------------------	------	---------

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	147
		CONTRACT NO. 61K93		

	STATION	OFFSET	ELEVATION
A	393+47.30	29.20' LT	705.91
B	393+46.10	28.17' LT	705.91
C	393+40.17	36.43' LT	705.86
D	393+39.56	34.66' LT	705.87
E	393+43.16	16.87' LT	705.87
F	393+43.33	18.44' LT	705.87
G	393+34.81	17.74' LT	705.79
H	393+35.33	19.49' LT	705.78
I	393+49.59	26.42' LT	705.93
J	393+48.66	18.07' LT	705.92
K	393+35.25	40.42' LT	705.84
L	393+27.73	18.48' LT	705.71

	STATION	OFFSET	ELEVATION
A	393+21.43	58.31' RT	705.40
B	393+18.90	58.85' RT	705.40
C	393+15.55	42.81' RT	705.32
D	393+14.53	46.38' RT	705.33
E	393+09.17	49.07' RT	705.39
F	393+11.47	60.44' RT	705.48
G	393+06.69	44.72' RT	705.63
H	393+11.45	41.58' RT	705.54
I	393+11.28	61.53' RT	705.48
J	393+16.16	62.41' RT	705.43
K	393+19.50	62.12' RT	705.39
L	393+22.64	70.67' RT	705.46
M	393+06.69	31.09' RT	705.25

1. ALL ACCESSIBLE PEDESTRIAN SIGNAL PUSH-BUTTON LOCATIONS SHALL FOLLOW THE GUIDELINES FROM ADA/PROWAG.
2. THE LOCATION OF THE ACCESSIBLE PEDESTRIAN SYSTEM MUST BE PARALLEL TO THE CROSSWALK.
3. COORDINATION BETWEEN THE ELECTRICAL CONTRACTOR AND SIDEWALK CONTRACTOR IS REQUIRED BEFORE THE SIDEWALK CONSTRUCTION. THE CONTRACTOR SHALL CONTACT CCDOTH AT 312-603-1734.
4. ACCESSIBLE PEDESTRIAN SYSTEM EXTENSION MAY BE NEEDED FOR THE ACCESSIBILITY AND CORRECT ALIGNMENT OF ACCESSIBLE PEDESTRIAN SYSTEM. THE EXTENSION SHALL BE INCLUDE THE COST OF THE PAY ITEM "ACCESSIBLE PEDESTRIAN SIGNAL".
5. IF PEDESTRIAN PUSH BUTTONS ARE CHANGED DUE TO ADA/PROWAG REQUIREMENTS, THE EXISTING HOLES IN THE POST AND/OR MAST ARM POLE SHALL BE PLUGGED. THIS SHALL BE INCLUDED IN THE COST OF THE PAY ITEM "ACCESSIBLE PEDESTRIAN SIGNAL".
6. ADDITIONAL SIDEWALK BEHIND THE TRAFFIC SIGNAL POST/POLE MAY BE NEEDED.

FOLLOW CCDTH GUIDELINES
SIDEWALK, 8" / DETECTABLE WARNING SPECIAL
(SIDEWALK, 8" SHALL BE PAID AS PPC SIDEWALK, 5")

MODEL: ADA-16 (Sheet)
FILE NAME: 220706_srl_ADA_North.dgn

HRGreen
HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME = mzuzda
PLOT SCALE = 0.16666633" / In.
PLOT DATE = 8/5/2025

DESIGNED -
DRAWN -
CHECKED -
DATE -

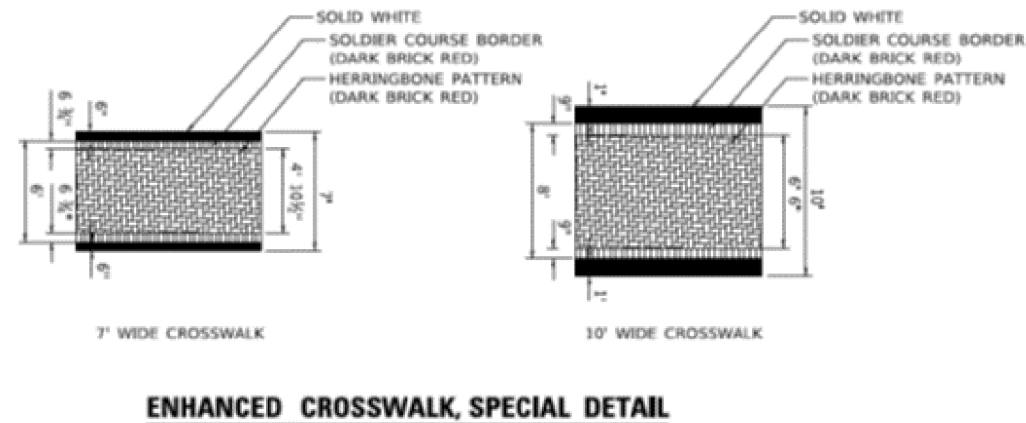
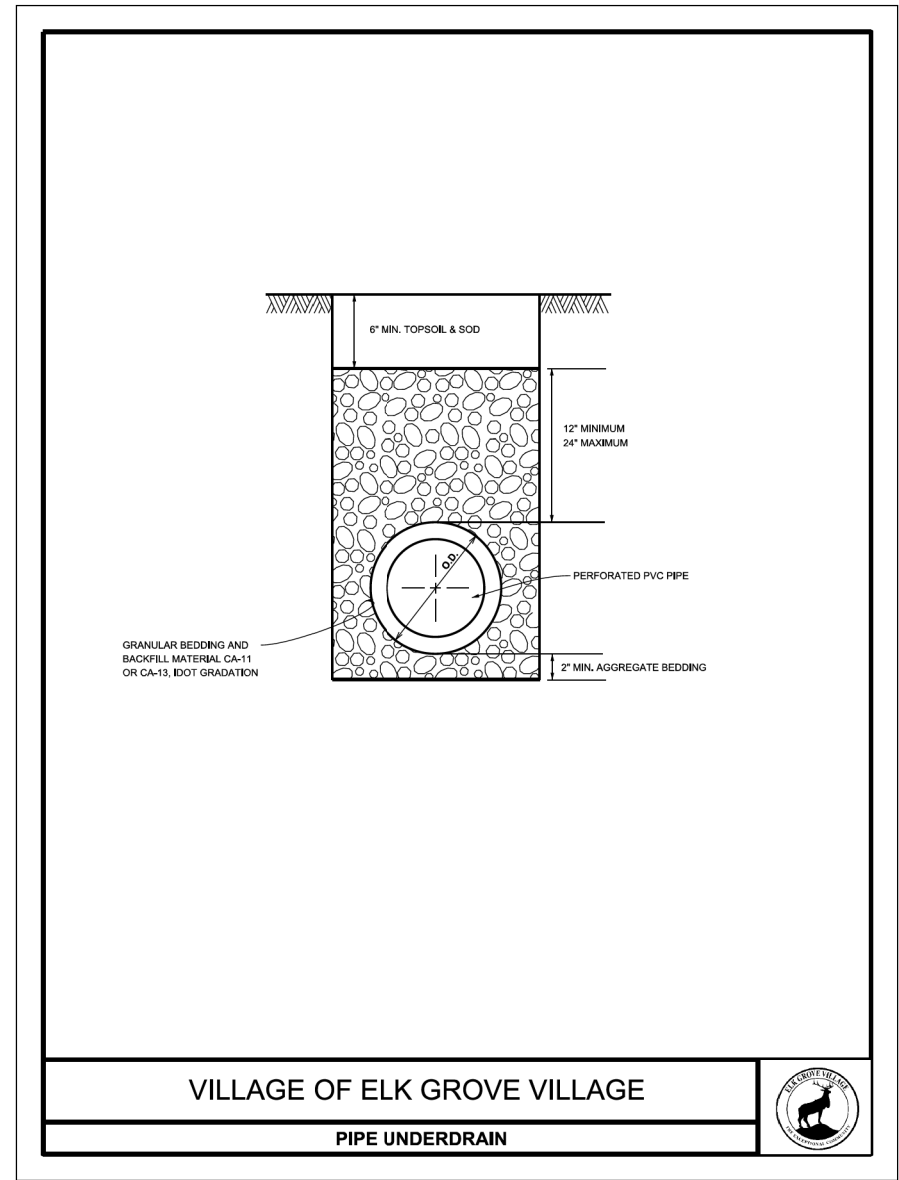
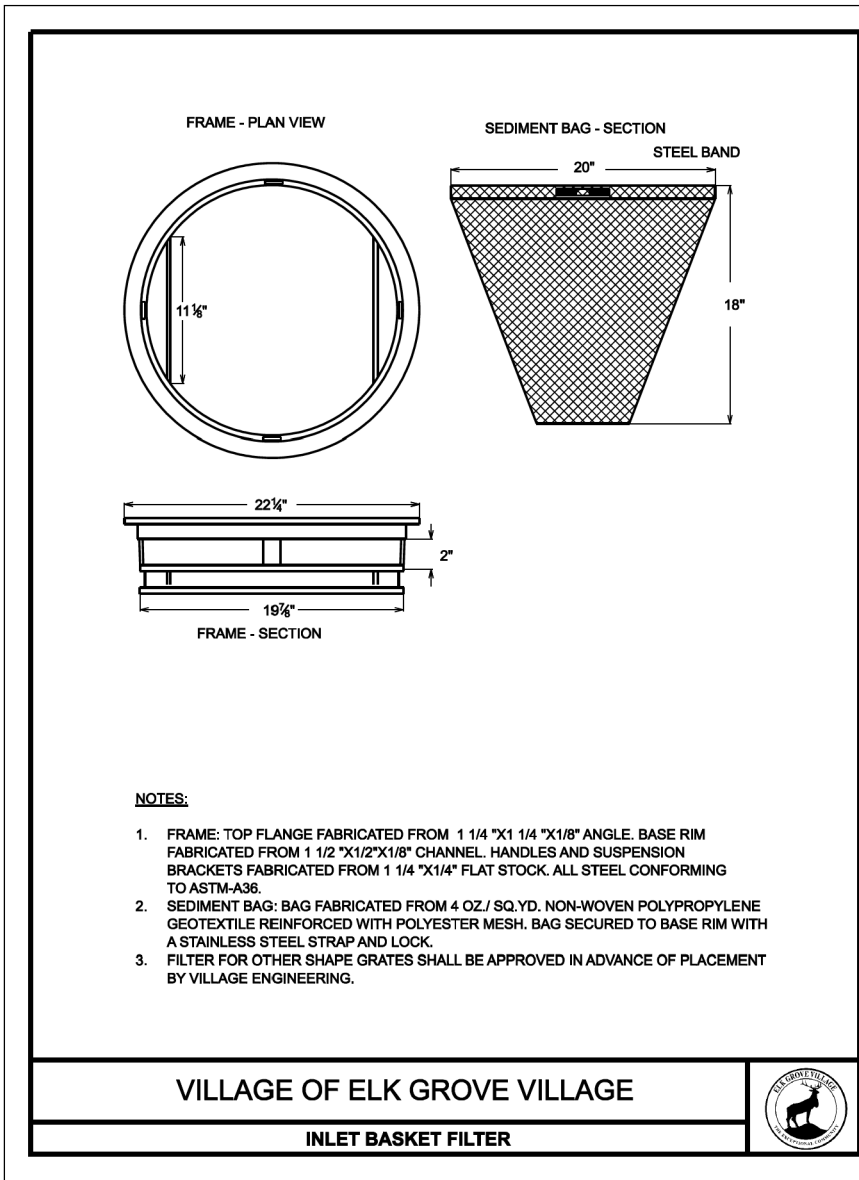
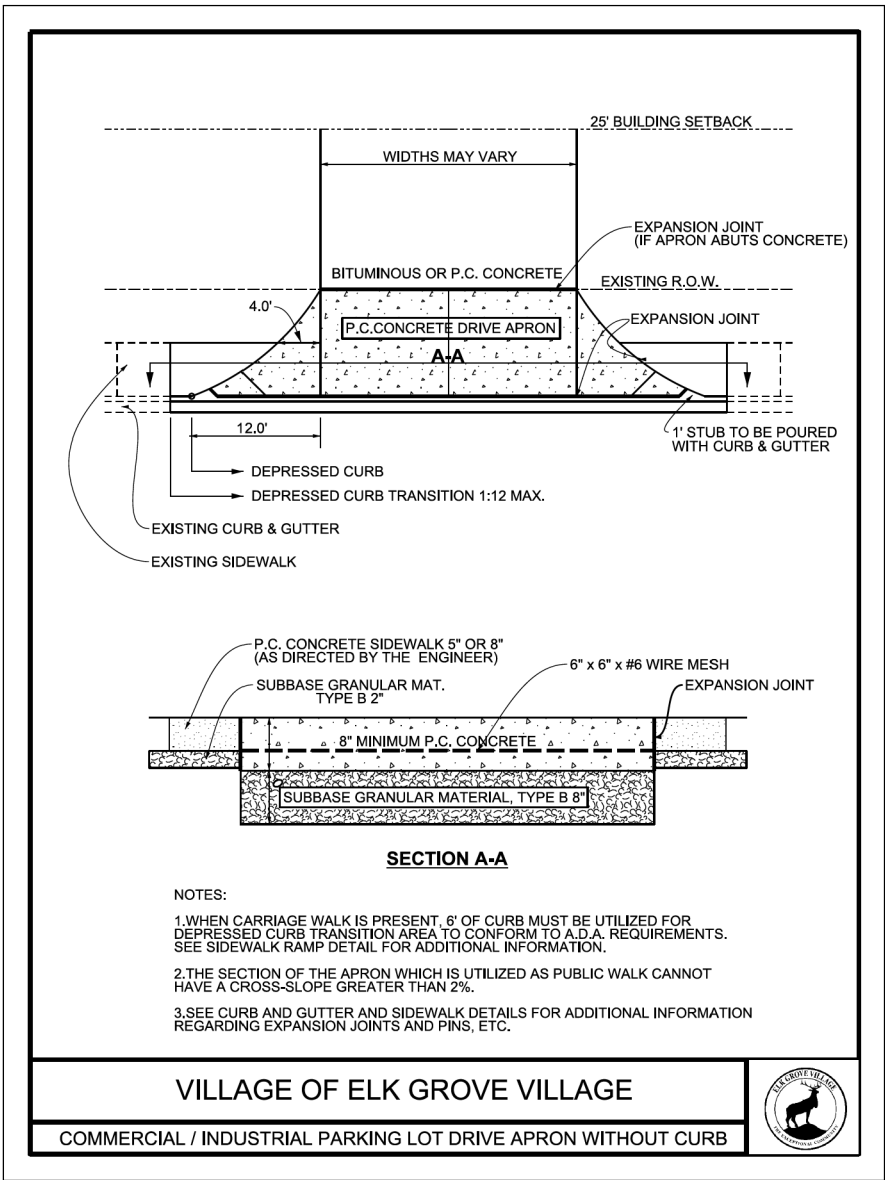
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS
TONNE ROAD / LANDMEIER ROAD

SCALE: SHEET 17 OF 18 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	148
CONTRACT NO.			61K93	
ILLINOIS		FED. AID PROJECT		



MODEL: CDDTH 1 [Sheet]
FILE NAME: 220706_Det_EGV_01.dgn



HRGreen.com
Illinois Professional Design Firm
184-001322

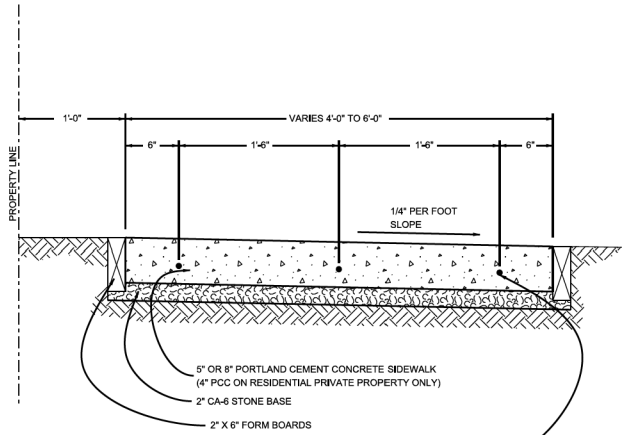
USER NAME = muzzio	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633' / In.	CHECKED -	REVISED -
PLOT DATE = 8/5/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELK GROVE VILLAGE DETAILS
TONNE ROAD

SCALE: SHEET 1 OF 8 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	149
CONTRACT NO.				61K93
ILLINOIS FED. AID PROJECT				



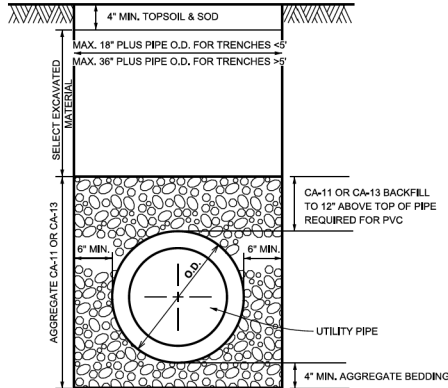
- NOTE:
1. A QUALIFIED CONCRETE FINISHER MUST BE ON-SITE WHEN POURING CONCRETE.
 2. *CALIFORNIA CORNERS* OR STAMPED CONCRETE MAY BE USED ON THE PRIVATE CONCRETE SIDEWALK. THE PUBLIC SIDEWALK MUST HAVE A BROOM FINSH.
 3. PROVIDE 1/2" EXPANSION JOINTS AT 50' INTERVALS.
 4. DETECTABLE WARNINGS SHALL BE CAST-IN-PLACE TILES BY ADA SOLUTIONS, INC. AND SHALL BE DARK GRAY (FEDERAL COLOR #36118 OR APPROVED EQUAL).
 5. FILL ALL VOIDS IN ADJACENT TURF WITH 4" TOPSOIL AND SEED. SOD MAY BE REQUIRED BY THE VILLAGE FOR DISTURBED WIDTHS GREATER THAN 12'.
 6. CARRIAGE WALK ACROSS THE STREET FROM A LOADING DOCK SHALL BE 8" THICK FOR THE ENTIRE WIDTH OF THE LOADING DOCK PLUS AN ADDITIONAL TEN FEET (10') ON EACH SIDE.

VILLAGE OF ELK GROVE VILLAGE

PCC SIDEWALK

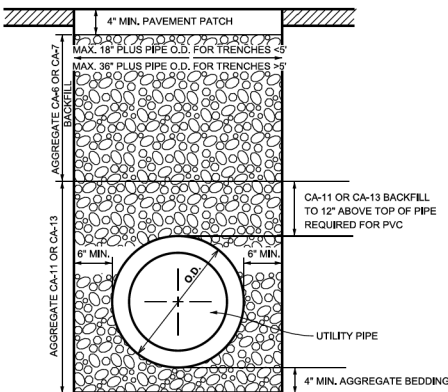


- NOTE:
1. BEDDING MATERIAL FOR PVC PIPE INSTALLATION SHALL COMPLY WITH ASTM D-2321.
 2. LIMITS OF TRENCH GRANULAR BACKFILL SHALL EXTEND 2' OUTSIDE ALL PAVED AREAS.
 3. TRENCH BACKFILL MEMETING THE REQUIREMENTS OF ARTICLE 206.02 OF THE IDOT STANDARD SPECIFICATIONS IS REQUIRED FOR ANY OPEN TRENCHES WITHIN COUNTY ROW.



NON-PAVED AREAS

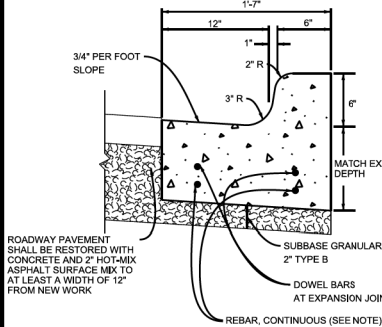
- NOTE:
1. BEDDING MATERIAL FOR PVC PIPE INSTALLATION SHALL COMPLY WITH ASTM D-2321.
 2. LIMITS OF TRENCH GRANULAR BACKFILL SHALL EXTEND 2' OUTSIDE ALL PAVED AREAS.
 3. SEE PAVEMENT OPEN CUT DETAIL & NOTES FOR ROADWAY TRENCH BACKFILL INFORMATION
 4. TRENCH BACKFILL MEMETING THE REQUIREMENTS OF ARTICLE 206.02 OF THE IDOT STANDARD SPECIFICATIONS IS REQUIRED FOR ANY OPEN TRENCHES WITHIN COUNTY ROW.



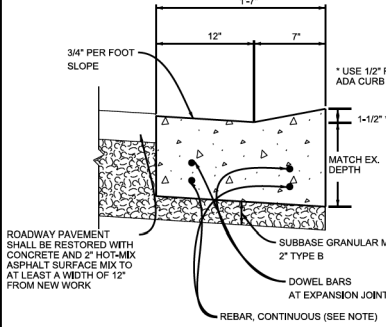
PAVED AREAS
(NOT FOR ROADWAY OPEN CUTS, SEE SEPARATE DETAIL)

VILLAGE OF ELK GROVE VILLAGE

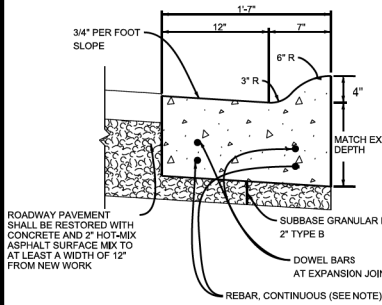
TRENCH BACKFILL (TYP.)



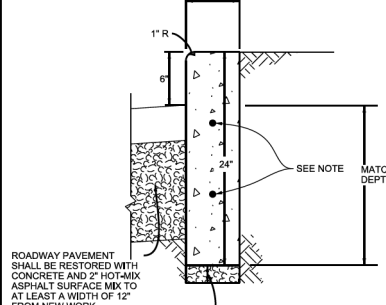
TYPE B-6.12



DEPRESSED CURB



TYPE M-4.12



TYPE B-6

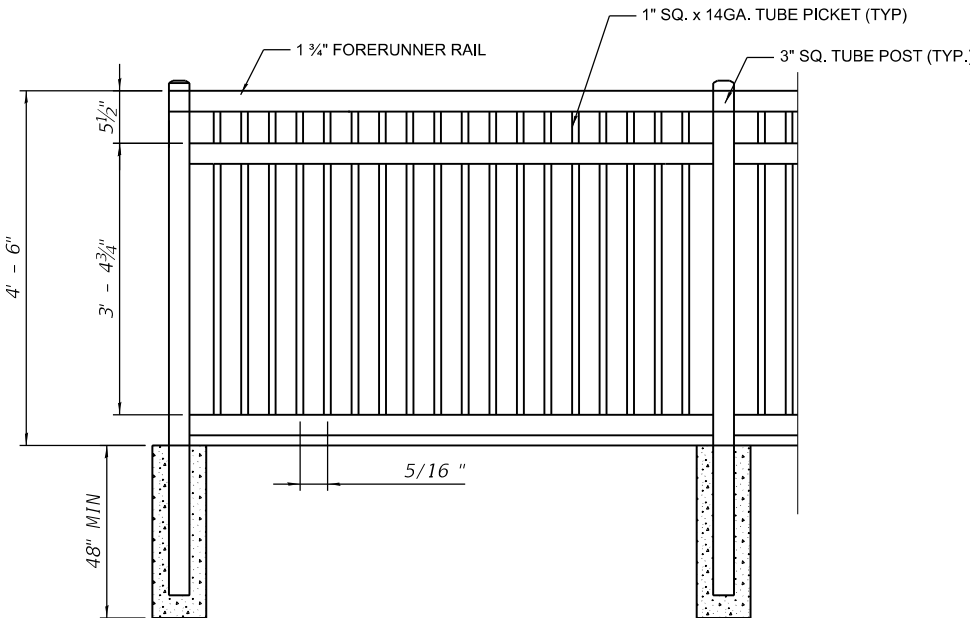
- NOTE:
1. INSTALL 2 BARS CONTINUOUS AND TIED TO EXISTING CURB & GUTTER (#4 IN RESIDENTIAL, #6 IN COMMERCIAL/ INDUSTRIAL)
 2. RESTORE ADJACENT TURF WITH 4" TOPSOIL AND LAWN SEED. SOD MAY BE REQUIRED BY THE VILLAGE FOR DISTURBED WIDTHS GREATER THAN 12'.
 3. GUTTER THICKNESS SHALL BE A MIN. OF 9" FOR NEW CONSTRUCTION.

VILLAGE OF ELK GROVE VILLAGE

CURB AND GUTTER DETAILS



ORNAMENTAL FENCE DETAIL

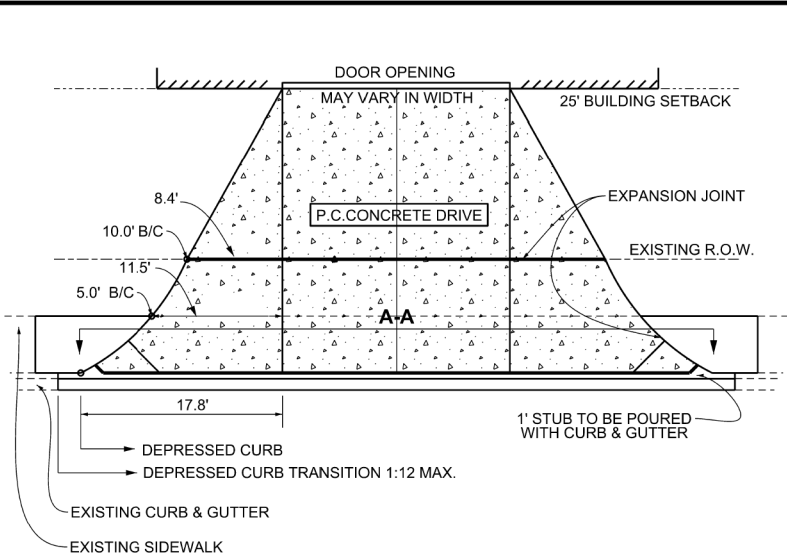


NOTES: FENCE MAY BE INSTALLED USING CONCRETE FOUNDATIONS OR DIRECT MOUNTED TO BOX CULVERTS. STEEL BASE PLATES AND STAINLESS STEEL CONCRETE ANCHORS SHALL BE USED WHEN MOUNTED TO BOX CULVERT.

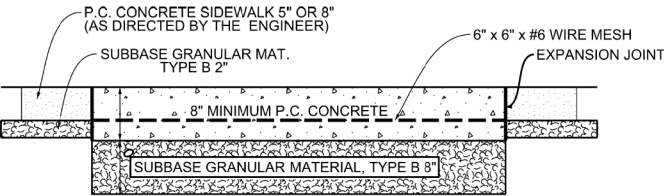
MODEL: CDDTH 1 [Sheet]
FILE NAME: 220706_Det_EGV_02.dgn

USER NAME = mzuзда	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633' / In.	CHECKED -	REVISED -
PLOT DATE = 8/5/2025	DATE -	REVISED -

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	150
CONTRACT NO.				61K93
ILLINOIS FED. AID PROJECT				



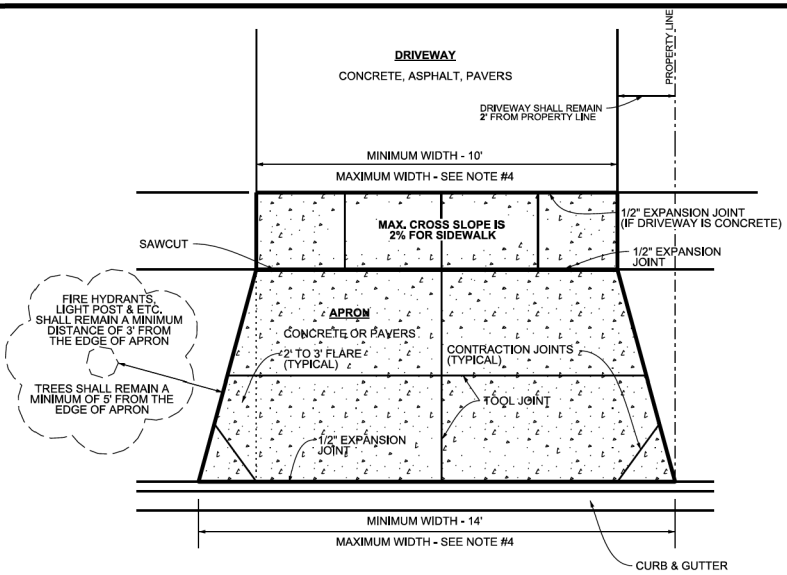
NOTE: 1. CONTRACTION JOINTS SHALL NOT BE SPACED MORE THAN 15' APART.



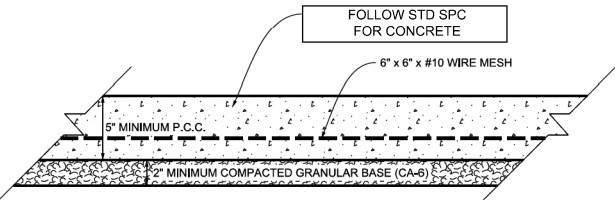
- NOTES:
1. WHEN CARRIAGE WALK IS PRESENT, 6" OF CURB MUST BE UTILIZED FOR DEPRESSED CURB TRANSITION AREA TO CONFORM TO A.D.A. REQUIREMENTS. SEE SIDEWALK RAMP DETAIL FOR ADDITIONAL INFORMATION.
 2. THE SECTION OF THE APRON WHICH IS UTILIZED AS PUBLIC WALK CANNOT HAVE A CROSS-SLOPE GREATER THAN 2%.
 3. SEE CURB AND GUTTER AND SIDEWALK DETAILS FOR ADDITIONAL INFORMATION REGARDING EXPANSION JOINTS AND PINS, ETC.

VILLAGE OF ELK GROVE VILLAGE

COMMERCIAL / INDUSTRIAL DRIVE APRON - ON-STREET LOADING DOCK

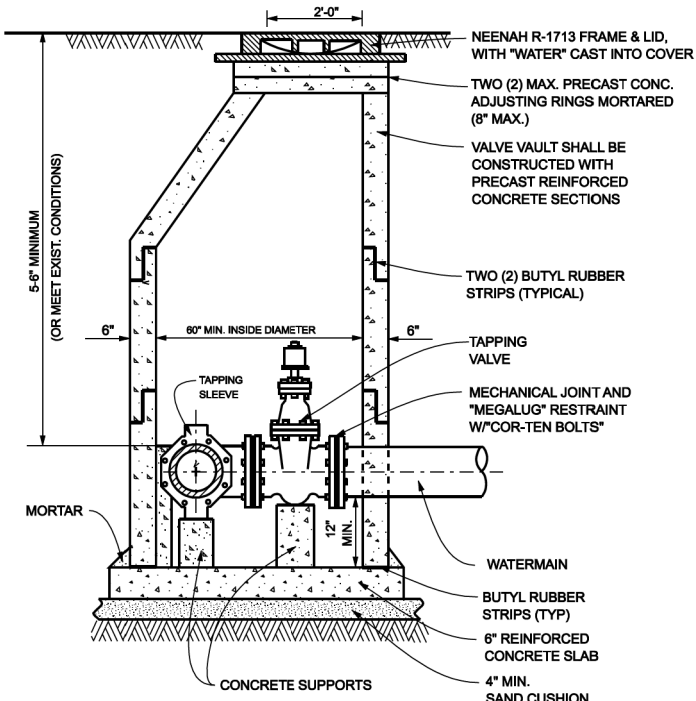


- NOTE:
1. ADDITIONAL CONTRACTION JOINTS MAY BE NEEDED. ANY PORTION OF THE SIDEWALK THAT IS REPLACED SHALL HAVE CONTRACTION JOINTS ON 4-FOOT CENTERS.
 2. A QUALIFIED CONCRETE FINISHER MUST BE ON-SITE WHEN POURING CONCRETE.
 3. "CALIFORNIA CORNERS" OR STAMPED CONCRETE MAY BE USED ON THE PRIVATE CONCRETE DRIVEWAY AND APRON (HOLD HARMLESS AGREEMENT REQUIRED). THE PUBLIC SIDEWALK PORTION OF THE APRON MUST HAVE A BROOM FINISH.
 4. LOTS WITH STRUCTURES HAVING A SINGLE CAR ATTACHED GARAGE DOOR OPENING SHALL HAVE A MAXIMUM ALLOWABLE DRIVEWAY WIDTH OF 20'. THE MAXIMUM ALLOWABLE APRON WIDTH AT THE CURB IS 26'.
 5. LOTS WITH STRUCTURES HAVING TWO OR THREE CAR ATTACHED GARAGE DOOR OPENING SHALL HAVE A MAXIMUM ALLOWABLE DRIVEWAY WIDTH OF 30'. THE MAXIMUM ALLOWABLE APRON WIDTH AT THE CURB IS 36'.
 6. THE APRON SHALL BE ONE CONTINUOUS POUR FROM THE BACK OF CURB TO THE SIDEWALK.
 7. SEE RESIDENTIAL DRIVEWAY/APRON PORTLAND CEMENT CONCRETE SPECIFICATIONS FOR MORE INFORMATION.



VILLAGE OF ELK GROVE VILLAGE

RESIDENTIAL DRIVE APRON STANDARD



VILLAGE OF ELK GROVE VILLAGE

PRESSURE CONNECTION



MODEL: CDDTH 1 [Sheet]
FILE NAME: 220706_Det_EGV_03.dgn



HRGreen.com
Illinois Professional Design Firm
184-001322

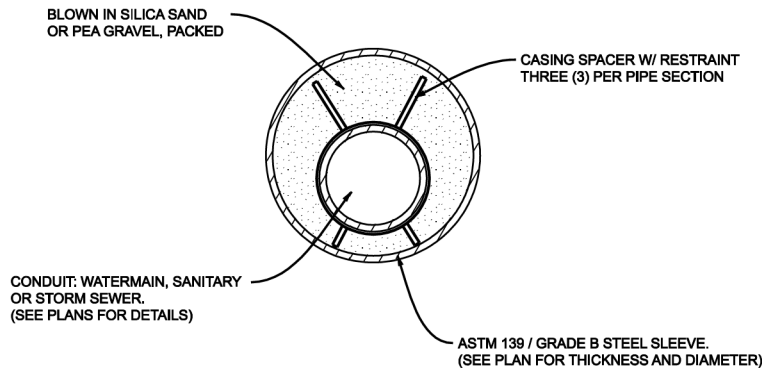
USER NAME	= muzzio	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 0.16666633" / In.	CHECKED	-	REVISED	-
PLOT DATE	= 8/5/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELK GROVE VILLAGE DETAILS
TONNE ROAD

SCALE: SHEET 3 OF 8 SHEETS STA. TO STA.

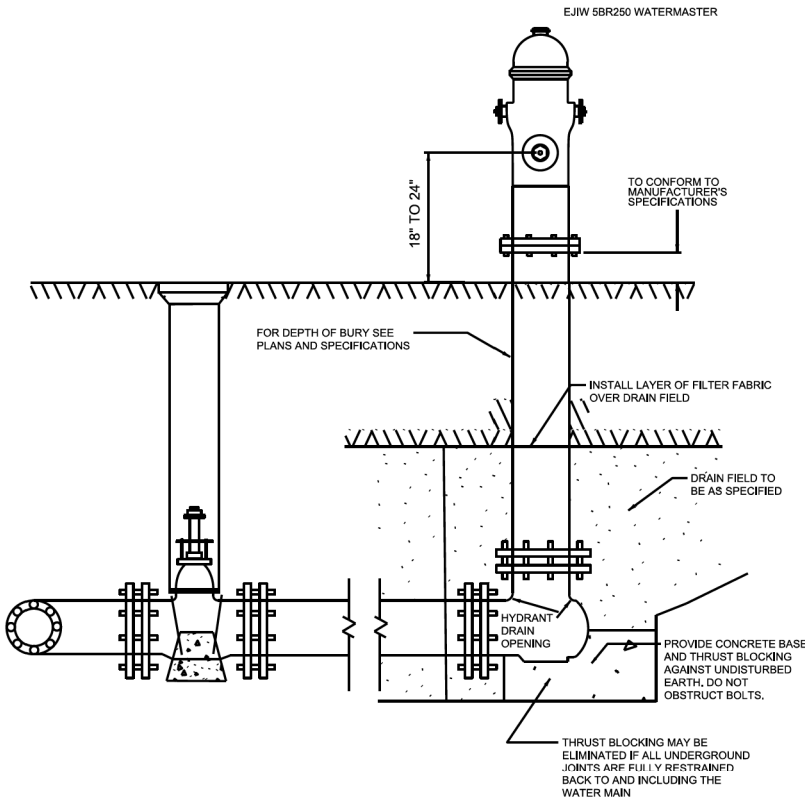
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	151
CONTRACT NO.				61K93
ILLINOIS FED. AID PROJECT				



- NOTES:
- CASING PIPE IS REQUIRED UNDER ALL EXISTING ROADWAYS, OR AS OTHERWISE DIRECTED BY THE VILLAGE ENGINEER WHERE OPEN CUTS ARE NOT PERMITTED, EXCEPT FOR WATER SERVICE LINES 2" IN DIAMETER OR UNDER.
 - WATER MAIN CASING SPACERS SHALL BE RESTRAINED IN POSITION.
 - THE INSIDE DIAMETER OF THE CASING PIPE SHALL BE DETERMINED BY CONTRACTOR BUT IN NO CASE SHALL IT BE LESS THAN 8" LARGER THAN THE DIAMETER OF THE CARRIER PIPE TO ALLOW AMPLE SPACE FOR BELLS, AND CARRIER PIPE SLOPE (FOR GRAVITY PIPE).
 - INSTALL ALL STAINLESS STEEL CASING SPACERS [REDACTED] FOR EACH PIPE LENGTH ON 6' CENTERS, OF THE SIZE RECOMMENDED BY THE MANUFACTURER
 - BRICK AND MORTAR BULKHEAD (BOTH ENDS) AS APPROVED BY VILLAGE ENGINEER PRIOR TO BACKFILLING.

VILLAGE OF ELK GROVE VILLAGE

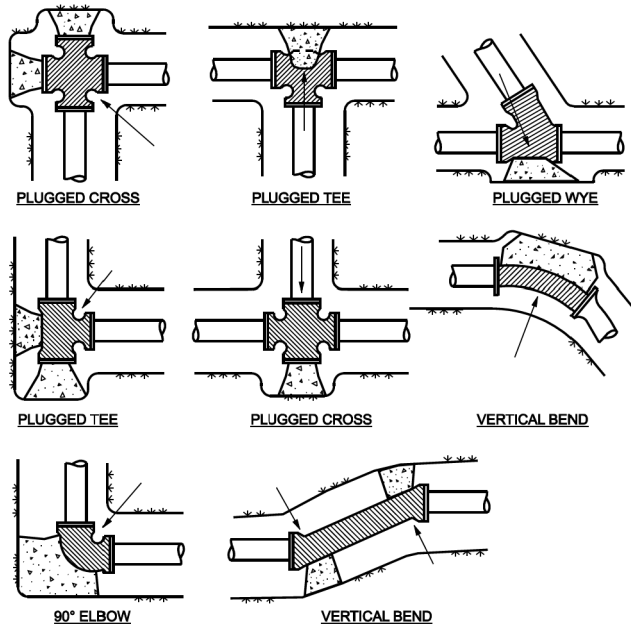
AUGER CASING DETAIL



- NOTE:
- CONCRETE BASE AND BLOCKING MATERIAL SHALL NOT BLOCK NOR OBSTRUCT HYDRANT DRAIN AS SHOWN IN AWWA MANUAL M 17

VILLAGE OF ELK GROVE VILLAGE

FIRE HYDRANT



- NOTE:
- ALL BLOCKS BEAR AGAINST UNDISTURBED EARTH.
 - ARROWS INDICATE DIRECTION OF THRUST.
 - ALL BLOCKS TO BE 3000 P.S.I. CONCRETE.

VILLAGE OF ELK GROVE VILLAGE

THRUST BLOCK (TYP.)



MODEL: CDDTH 1 [Sheet]
FILE NAME: 220706_Det_EGV_04.dgn



HRGreen.com
Illinois Professional Design Firm
184-001322

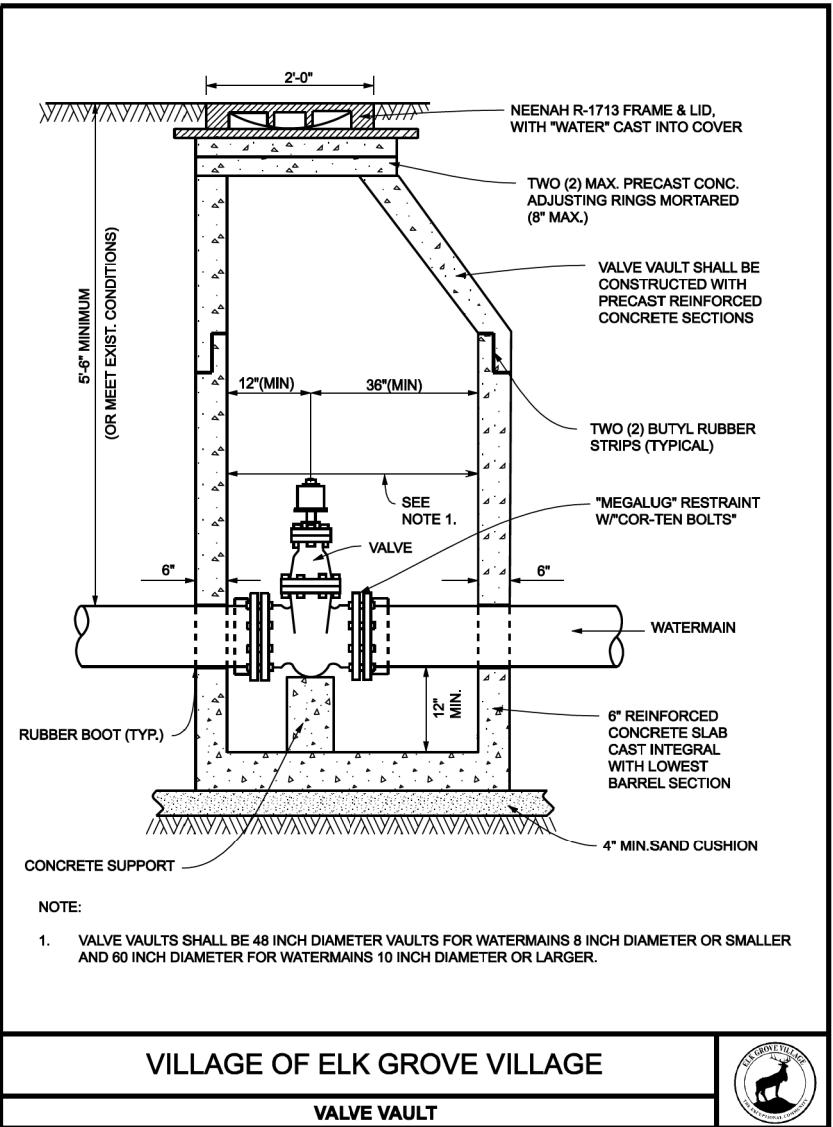
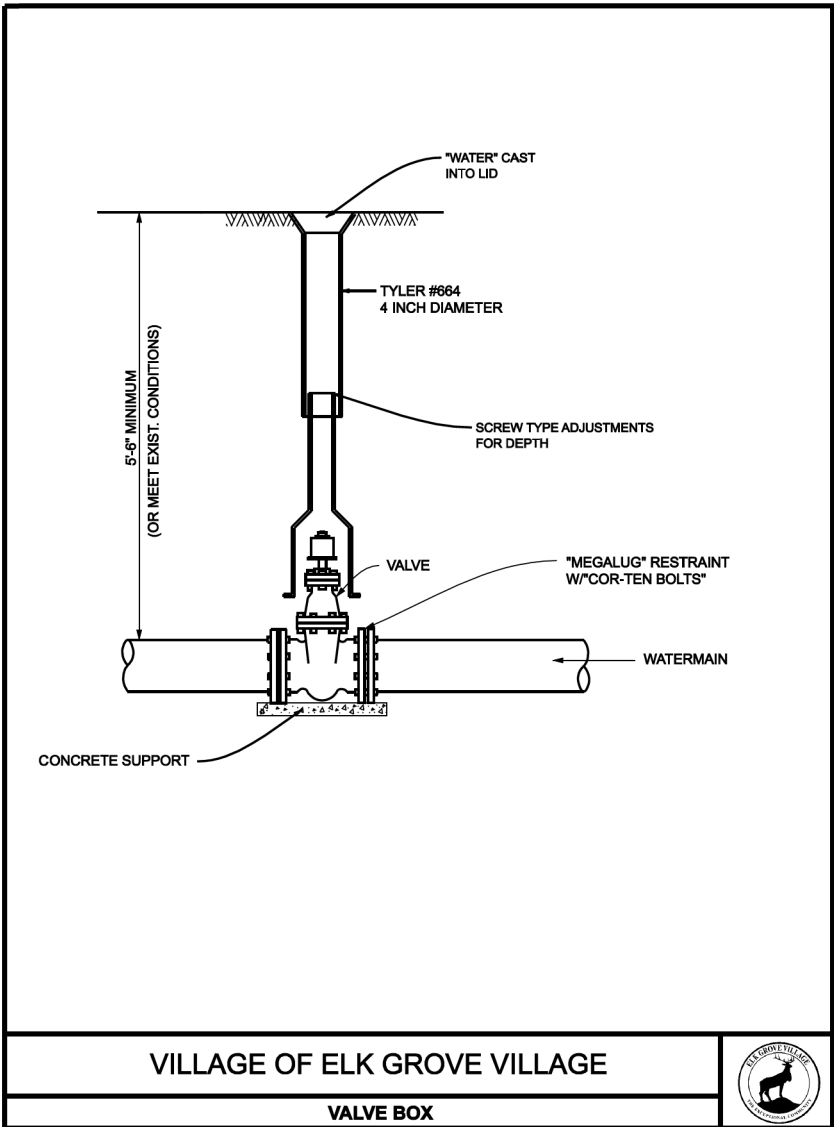
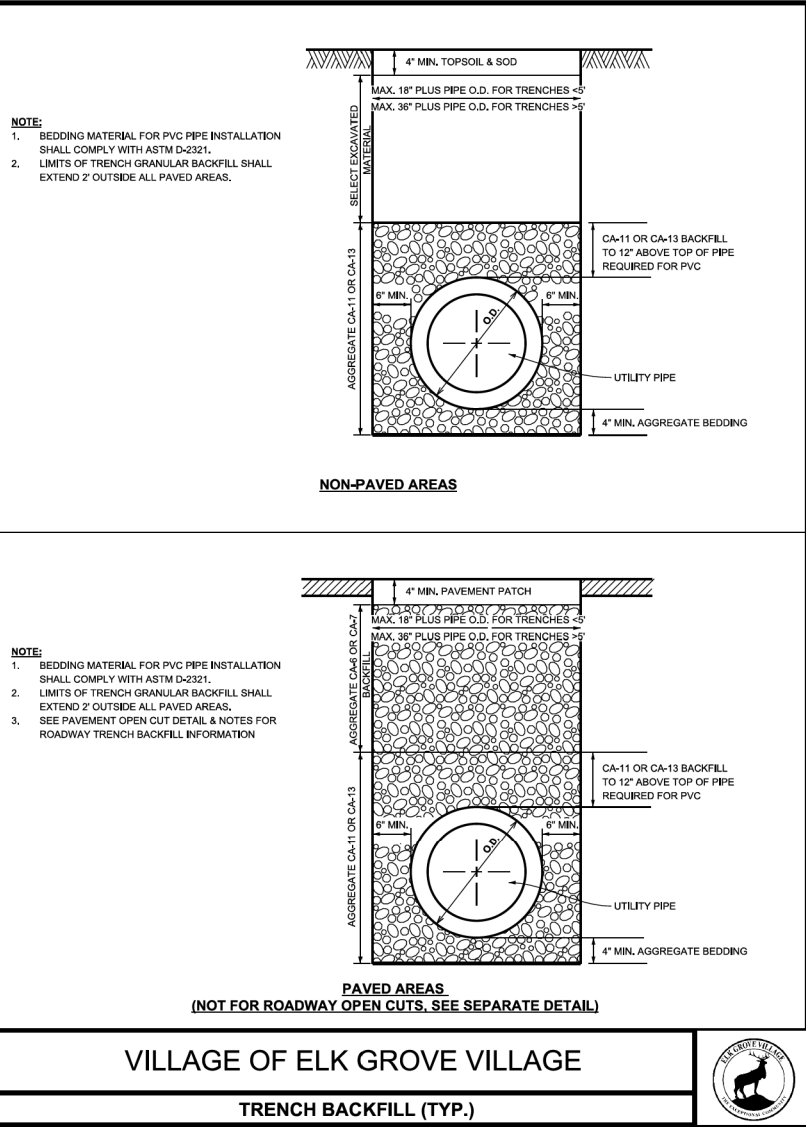
USER NAME	= muzzda	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 0.16666633" / 1in.	CHECKED	-	REVISED	-
PLOT DATE	= 8/5/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELK GROVE VILLAGE DETAILS
TONNE ROAD

SCALE: SHEET 4 OF 8 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	152
CONTRACT NO.				61K93
ILLINOIS FED. AID PROJECT				



MODEL: CDDTH_1 [Sheet]
FILE NAME: 220706_Det_EGV_05.dgn



HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME	= muzzdo	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 0.16666633' / In.	CHECKED	-	REVISED	-
PLOT DATE	= 8/5/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELK GROVE VILLAGE DETAILS
TONNE ROAD

SCALE: SHEET 5 OF 8 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	153
CONTRACT NO.				61K93
ILLINOIS FED. AID PROJECT				



ELK GROVE VILLAGE

Temperature Limitations

Portland Cement Concrete

Temperature Limits

- Outside temperature in the shade should be at least 35° F and rising.
- Discontinue operations when the descending air temperature reaches 40° F.
- Temperature of the concrete should be between 50° F and 90° F at the time of placement.

Protection of Concrete

Minimum Temperature Forecast

25° F - 32° F or if drops below
32° F during first 72 hours

Protection

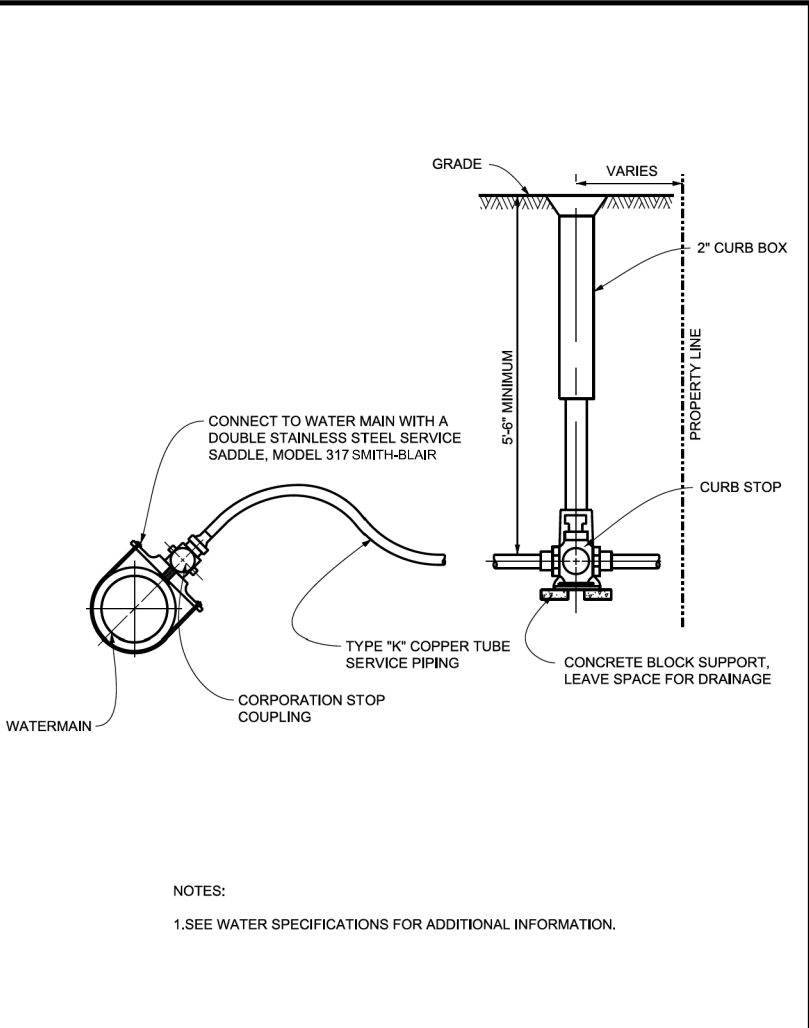
1 layer of poly & 1 layer of burlap,
or 2 layers of polyethylene, or
2 layers of waterproof paper

Below 25° F

6" of straw covered with 1 layer of
poly or waterproof paper

Bituminous Concrete

- Minimum air temperature for surface course is 45° F and rising.
- Minimum air temperature for binder course in the shade is at least 40° F and rising. (Base should be dry.)
- Air Temperature should be over 50° F in the shade when placing BAM containing MC-3000. (There is no minimal air temperature requirement when an AC is used in the mix.)
- The bituminous mixtures shall be delivered at a temperature of 225° F - 325° F.
- Bituminous mixtures shall never be placed on a frozen or wet subgrade.
- Subgrade shall be dry and unfrozen.



NOTES:
1.SEE WATER SPECIFICATIONS FOR ADDITIONAL INFORMATION.

VILLAGE OF ELK GROVE VILLAGE

WATER SERVICE - 2" AND SMALLER



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

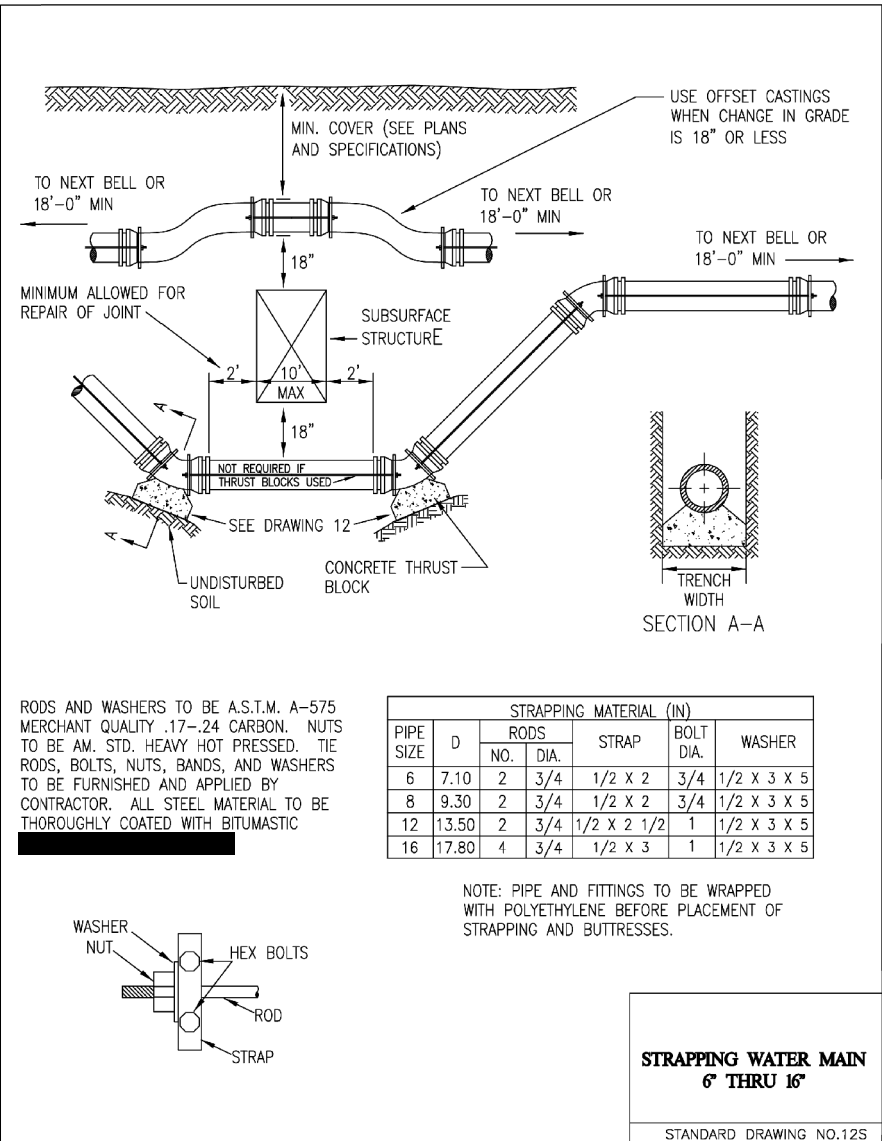
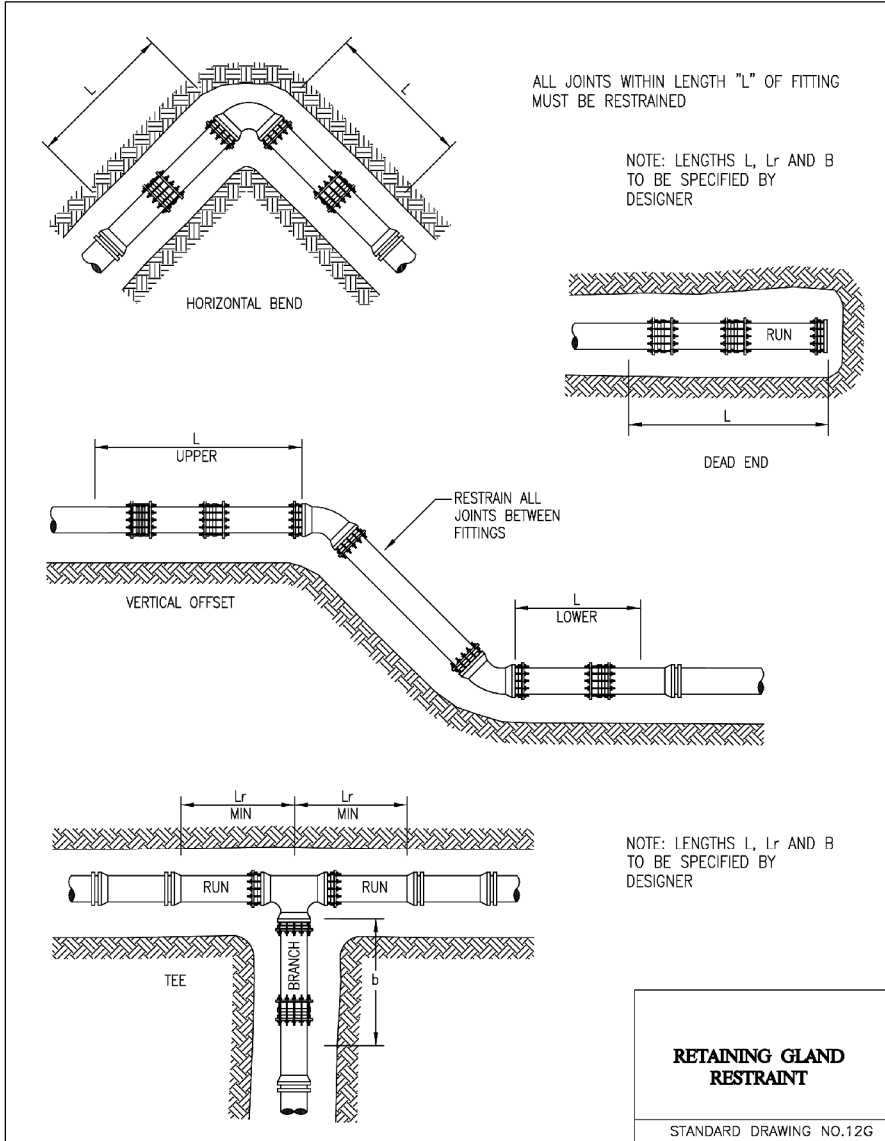
ELK GROVE VILLAGE DETAILS
TONNE ROAD

SCALE: SHEET 6 OF 8 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	154
CONTRACT NO.				61K93
ILLINOIS FED. AID PROJECT				



USER NAME	= mzu2da	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 0.16666633''/In.	CHECKED	-	REVISED	-
PLOT DATE	= 8/5/2025	DATE	-	REVISED	-



MODEL: CDDTH 1 [Sheet]
FILE NAME: 220706_Det_EGV_07.dgn



HRGreen.com
Illinois Professional Design Firm
184-001322

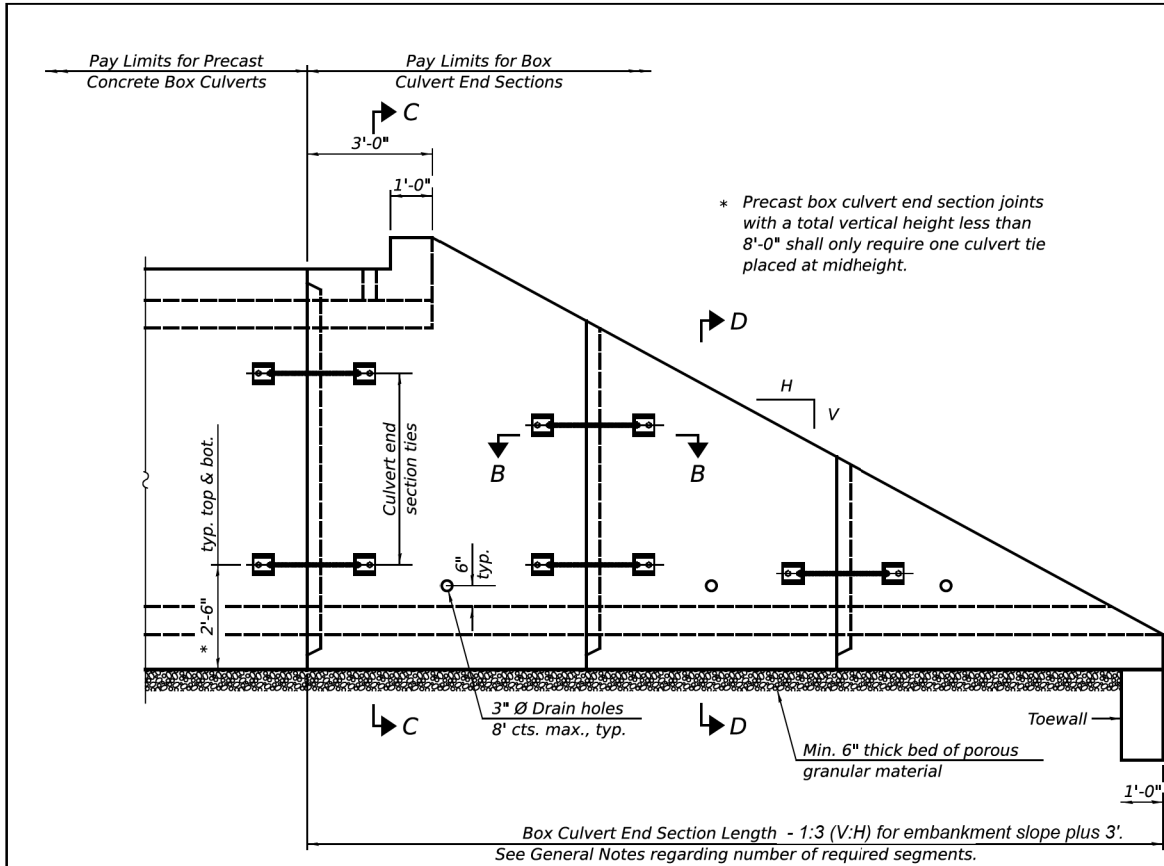
USER NAME	= muzzda	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 0.16666633 1/In.	CHECKED	-	REVISED	-
PLOT DATE	= 8/5/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

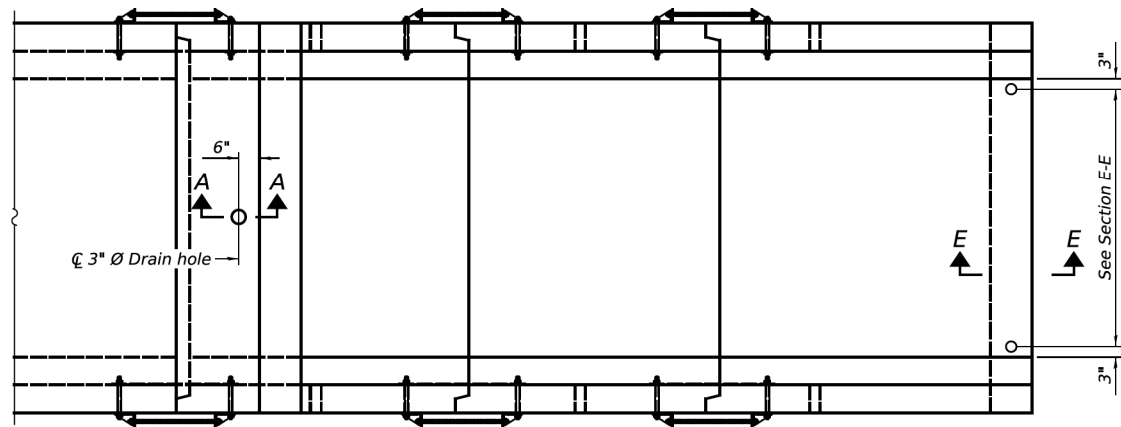
ELK GROVE VILLAGE DETAILS
TONNE ROAD

SCALE: SHEET 7 OF 8 SHEETS STA. TO STA.

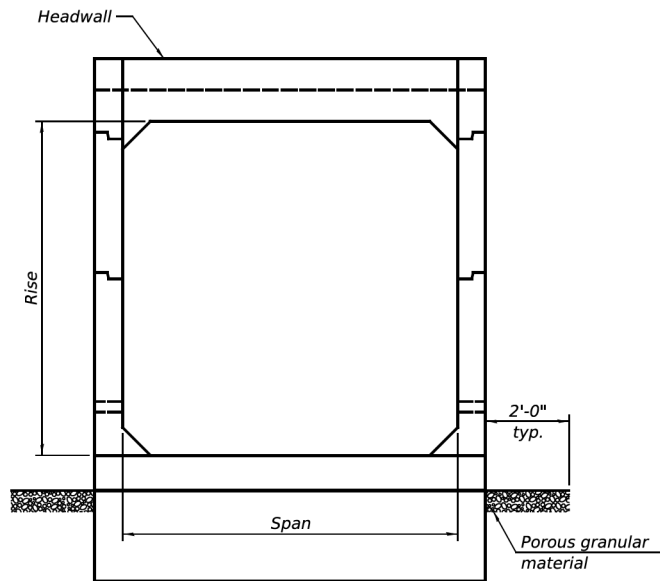
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	155
CONTRACT NO.				61K93
ILLINOIS FED. AID PROJECT				



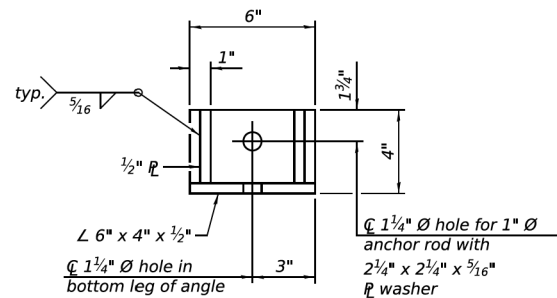
ELEVATION



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.

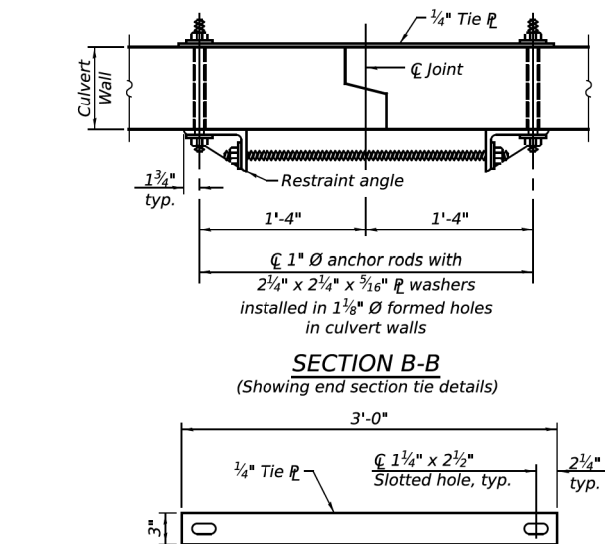
3" Ø PVC drain cast with the concrete (Adjust location to clear reinforcement).

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)



TIE PLATE DETAIL

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. Provide 1:3 (V:H) for embankment slope.

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.

SCB-TES

5-15-2023

USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SINGLE CELL PRECAST BOX CULVERT TAPERED END SECTIONS

STRUCTURE NO.

SHEET OF SHEETS

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



HRGreen.com
Illinois Professional Design Firm
184-001322

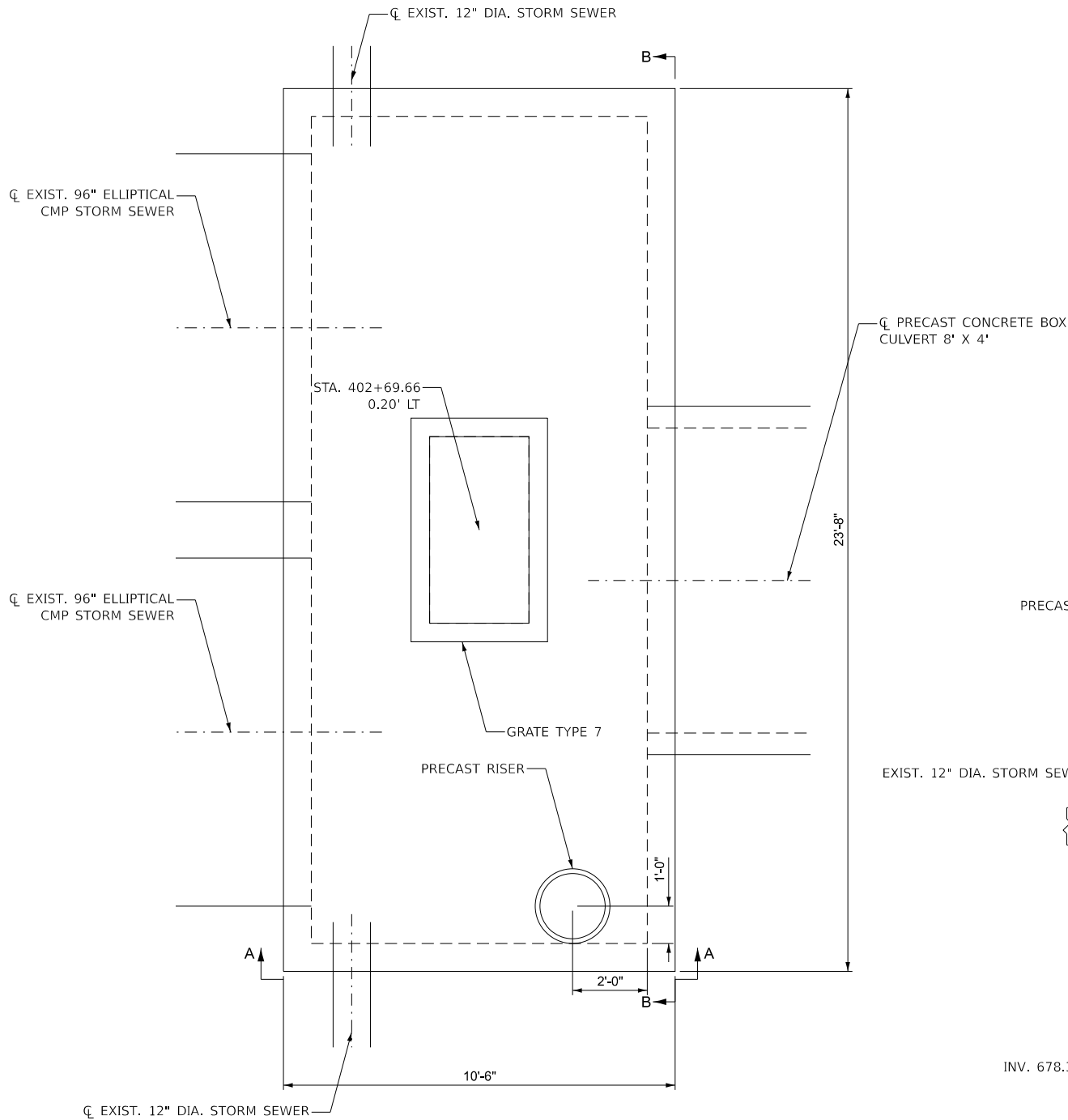
USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

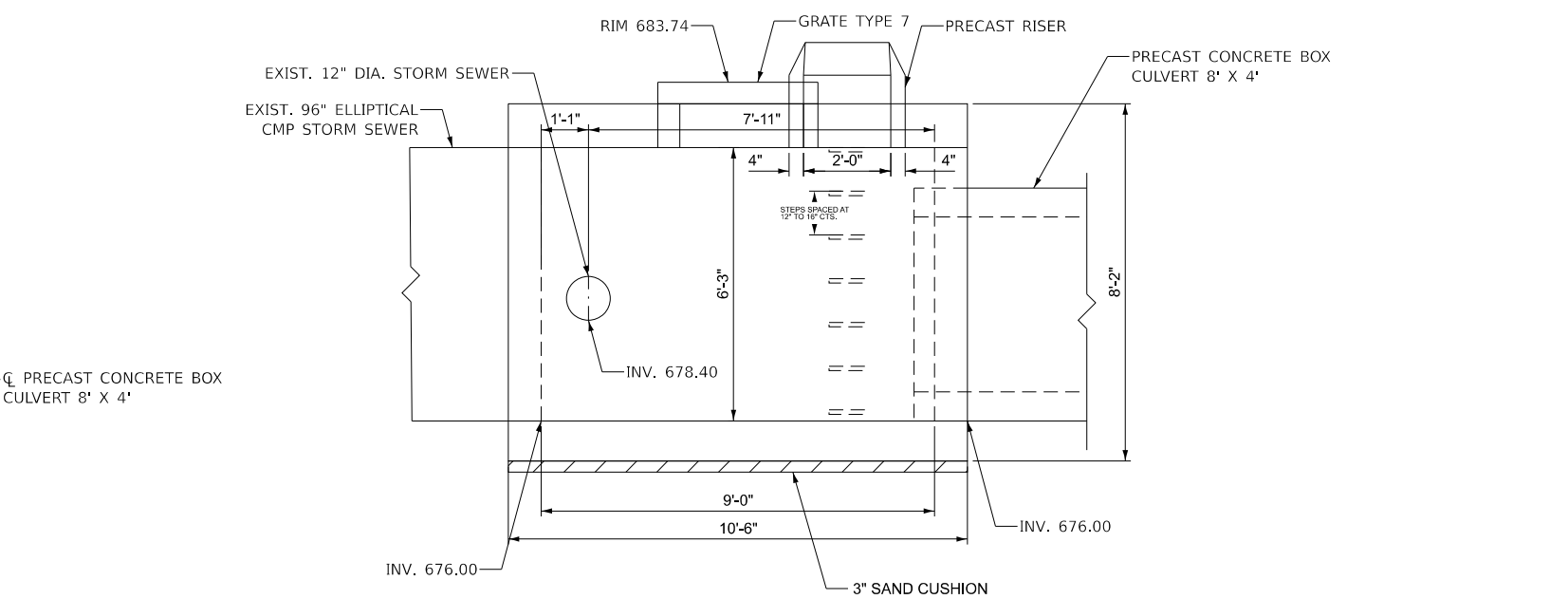
CONSTRUCTION DETAILS
BOX CULVERT END SECTION DETAIL

SCALE: SHEET 1 OF 6 SHEETS STA. TO STA.

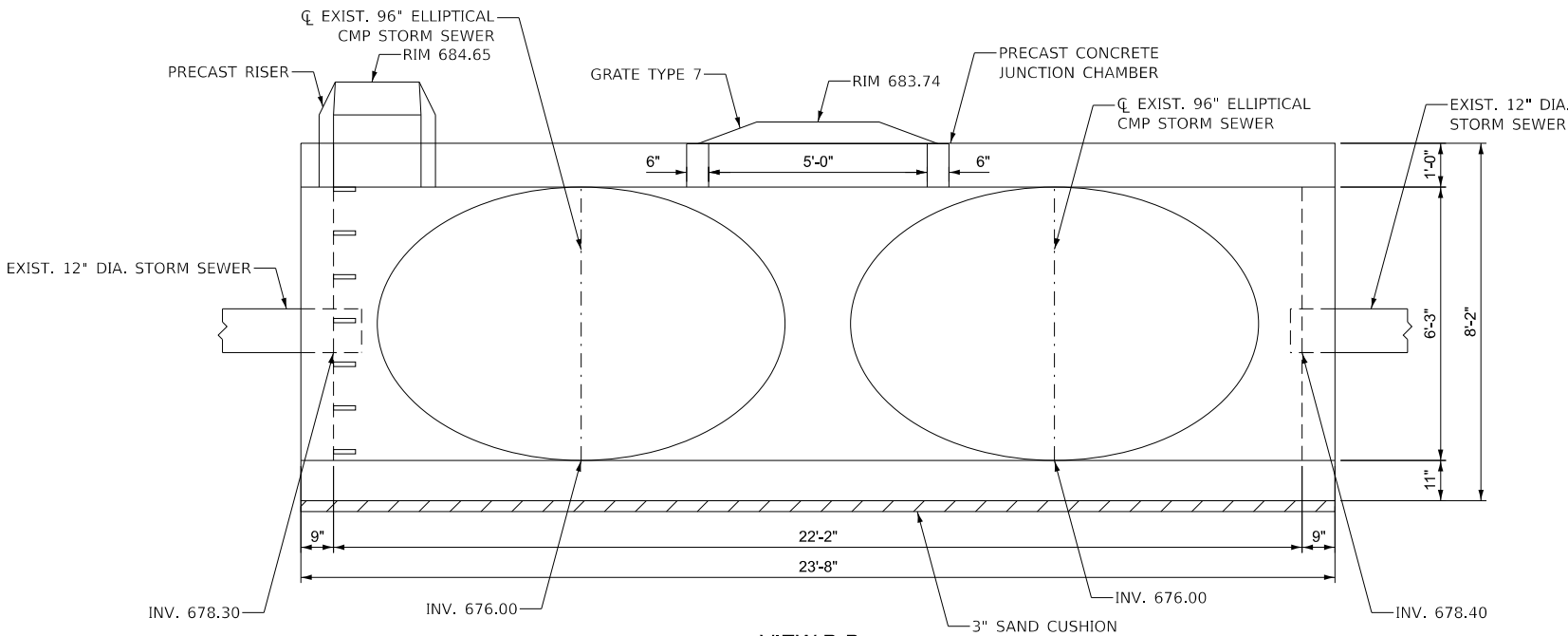
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	156
CONTRACT NO. 61K93				
ILLINOIS FED. AID PROJECT				



JUNCTION CHAMBER PLAN



VIEW A-A



VIEW B-B

NOTES

1. PRECAST CONCRETE JUNCTION CHAMBER SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SPECIAL PROVISION "PRECAST CONCRETE JUNCTION CHAMBER" AND THE STANDARD SPECIFICATIONS.
2. APPROPRIATE SIZING AND LOCATION OF LIFTING INSERTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ASSURE BALANCED HANDLING DURING INSTALLATION.
3. THE CONTRACTOR IS TO PATCH ALL LIFTING INSERT HOLES AND PLACE A MINIMUM OF ONE (1) INCH COVER OVER THE HARDWARE OF THESE DEVICES ON BOTH TOP AND BOTTOM SURFACES.
4. PRECAST CONCRETE JUNCTION CHAMBER SHALL BE PRECAST WITH NO JOINTS. SEE HIGHWAY STANDARDS 602701-02 AND 604001-05 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
5. ALL INVERTS AND ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS AND CONSTRUCTION. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED WITHIN THE CONTRACT UNIT PRICE FOR PRECAST CONCRETE JUNCTION CHAMBER.
6. ROCK FILL HAS BEEN PROVIDED FOR ANY AREAS REQUIRING UNDERCUTS.

MODEL: DR/C_01 [Sheet]
FILE NAME: 220706_Det_DR/C_01.dgn



HRGreen.com
Illinois Professional Design Firm
184-001322

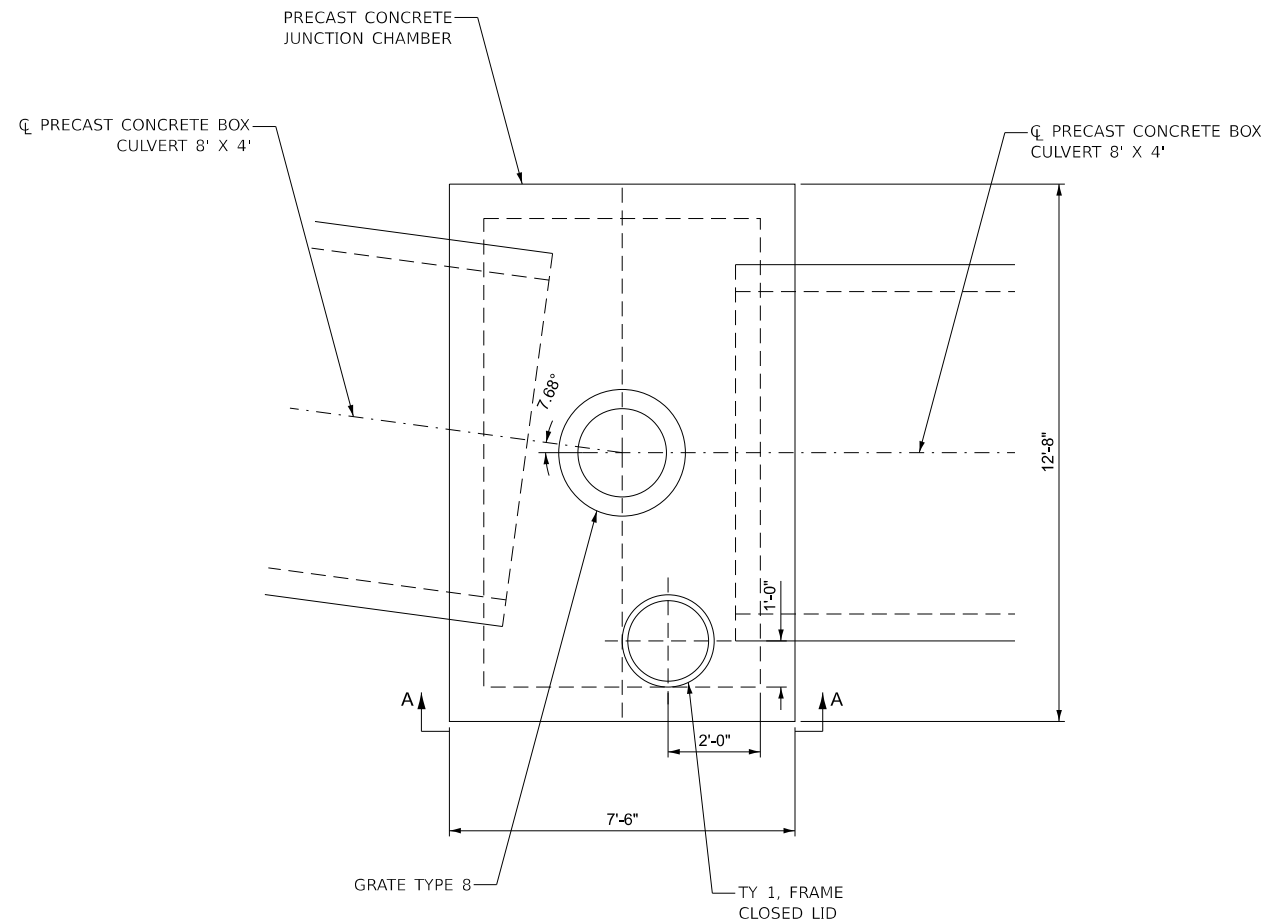
USER NAME = mzuzda	DESIGNED -	REVISED - XX/XX/XXXX
	DRAWN -	REVISED - XX/XX/XXXX
PLOT SCALE = 0.16666633' / In.	CHECKED -	REVISED - XX/XX/XXXX
PLOT DATE = 8/5/2025	DATE -	REVISED - XX/XX/XXXX

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

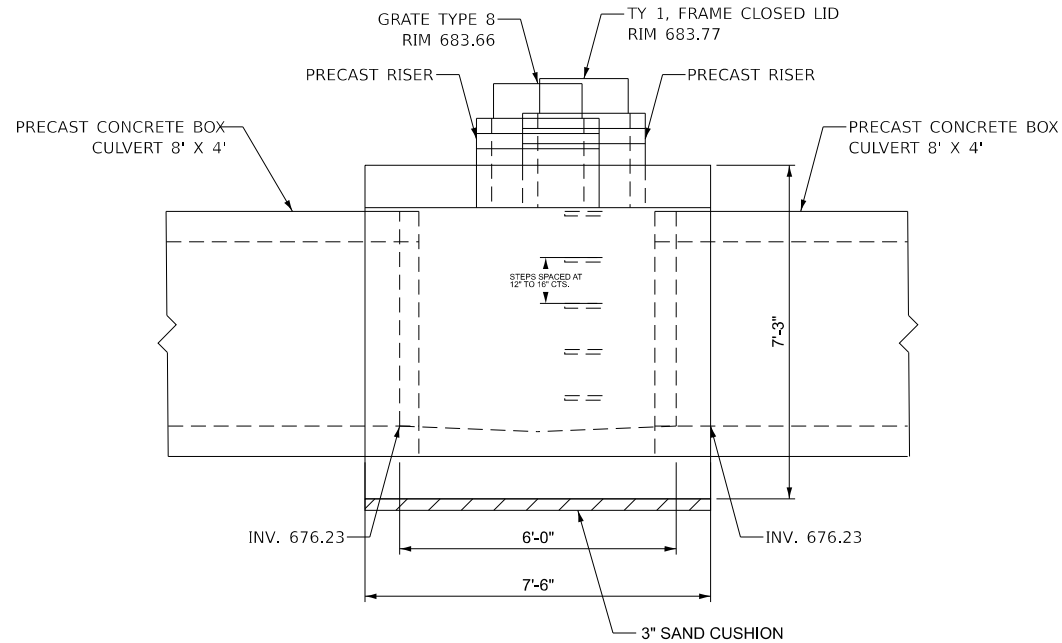
CONSTRUCTION DETAILS
JUNCTION BOX DETAILS - STRUCTURE 9-1

SCALE: SHEET 2 OF 6 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	157
CONTRACT NO.				61K93
ILLINOIS		FED. AID PROJECT		



JUNCTION CHAMBER PLAN



VIEW A-A

NOTES

1. PRECAST CONCRETE JUNCTION CHAMBER SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SPECIAL PROVISION "PRECAST CONCRETE JUNCTION CHAMBER" AND THE STANDARD SPECIFICATIONS.
2. APPROPRIATE SIZING AND LOCATION OF LIFTING INSERTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ASSURE BALANCED HANDLING DURING INSTALLATION.
3. THE CONTRACTOR IS TO PATCH ALL LIFTING INSERT HOLES AND PLACE A MINIMUM OF ONE (1) INCH COVER OVER THE HARDWARE OF THESE DEVICES ON BOTH TOP AND BOTTOM SURFACES.
4. PRECAST CONCRETE JUNCTION CHAMBER SHALL BE PRECAST WITH NO JOINTS. SEE HIGHWAY STANDARDS 602701-02 AND 604001-05 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
5. ALL INVERTS AND ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS AND CONSTRUCTION. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED WITHIN THE CONTRACT UNIT PRICE FOR PRECAST CONCRETE JUNCTION CHAMBER.
6. ROCK FILL HAS BEEN PROVIDED FOR ANY AREAS REQUIRING UNDERCUTS.

MODEL: DRUC_02 [Sheet]
FILE NAME: 220706_Det_DRUC_02.dgn



HRGreen.com
Illinois Professional Design Firm
184-001322

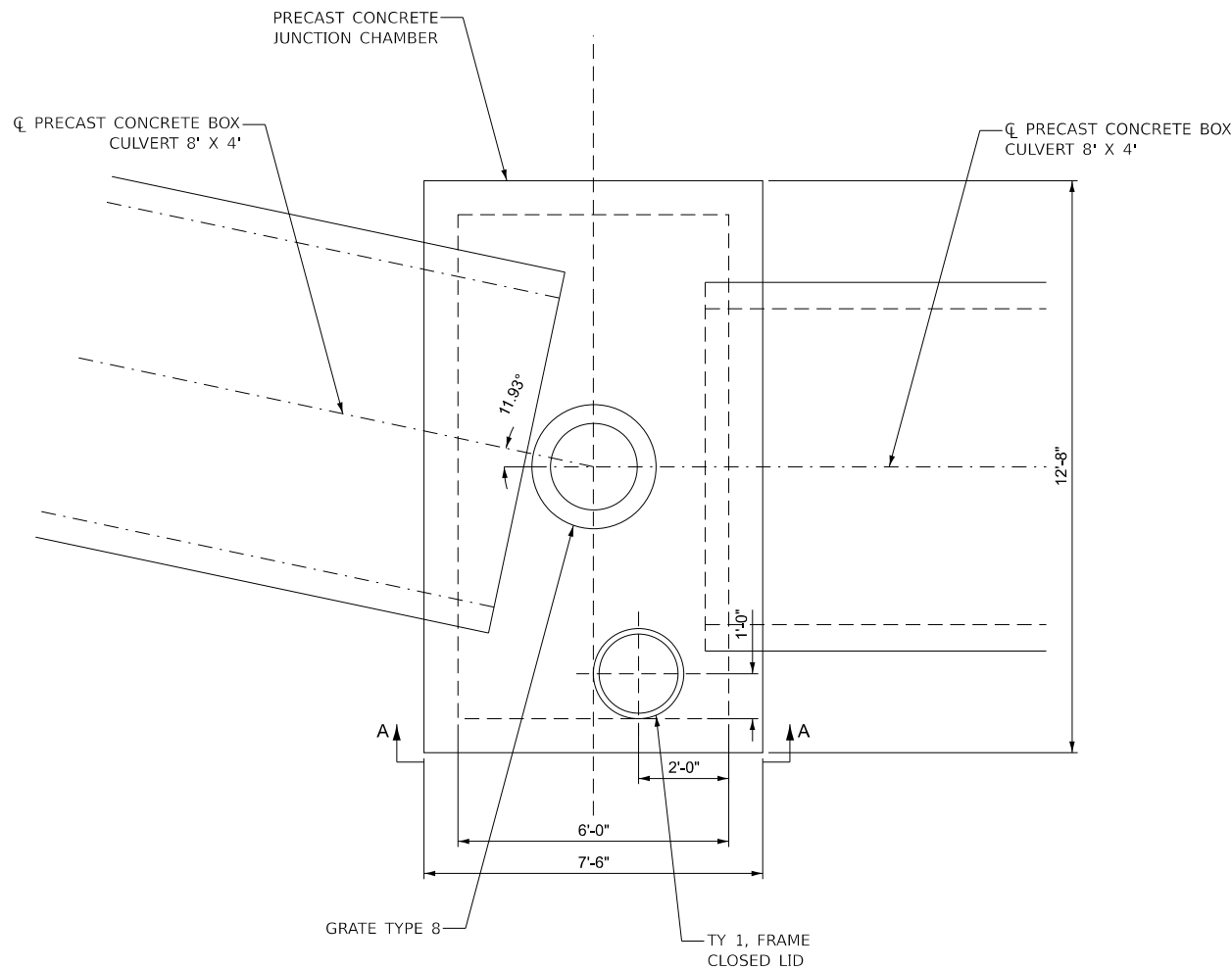
USER NAME = mzuzda	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633"/In.	CHECKED -	REVISED -
PLOT DATE = 8/5/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

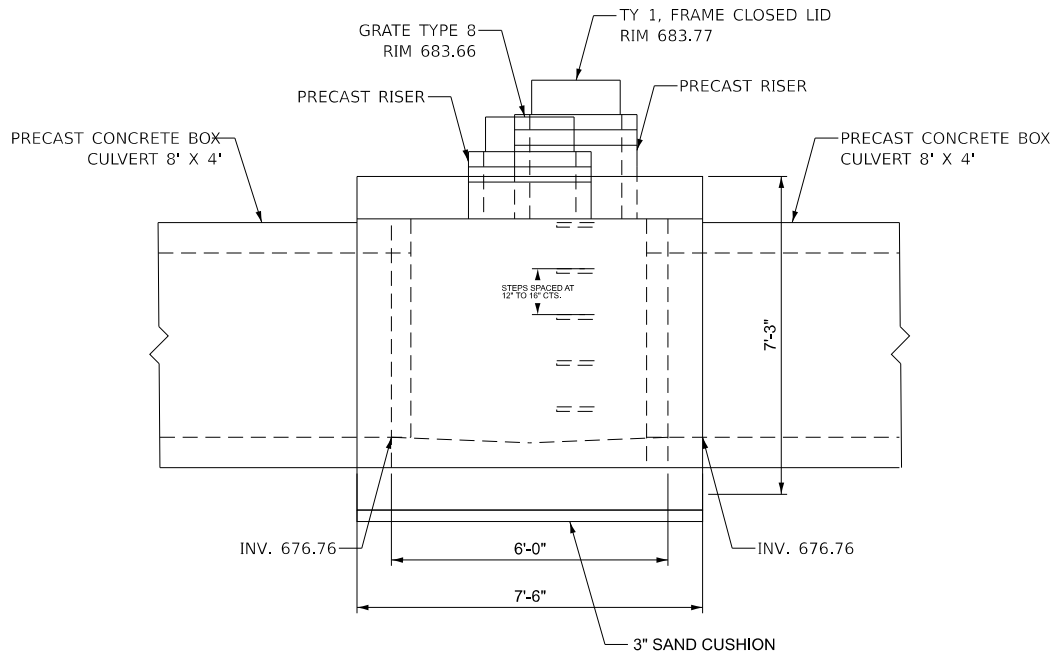
CONSTRUCTION DETAILS
JUNCTION BOX DETAILS - STRUCTURE 9-2

SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	158
CONTRACT NO.				61K93
ILLINOIS FED. AID PROJECT				



JUNCTION CHAMBER PLAN



VIEW A-A

NOTES

1. PRECAST CONCRETE JUNCTION CHAMBER SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SPECIAL PROVISION "PRECAST CONCRETE JUNCTION CHAMBER" AND THE STANDARD SPECIFICATIONS.
2. APPROPRIATE SIZING AND LOCATION OF LIFTING INSERTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ASSURE BALANCED HANDLING DURING INSTALLATION.
3. THE CONTRACTOR IS TO PATCH ALL LIFTING INSERT HOLES AND PLACE A MINIMUM OF ONE (1) INCH COVER OVER THE HARDWARE OF THESE DEVICES ON BOTH TOP AND BOTTOM SURFACES.
4. PRECAST CONCRETE JUNCTION CHAMBER SHALL BE PRECAST WITH NO JOINTS. SEE HIGHWAY STANDARDS 602701-02 AND 604001-05 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
5. ALL INVERTS AND ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS AND CONSTRUCTION. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED WITHIN THE CONTRACT UNIT PRICE FOR PRECAST CONCRETE JUNCTION CHAMBER.
6. ROCK FILL HAS BEEN PROVIDED FOR ANY AREAS REQUIRING UNDERCUTS.

MODEL: DRUC_03 [Sheet]
FILE NAME: 220706_Det_DRUC_03.dgn



HRGreen.com
Illinois Professional Design Firm
184-001322

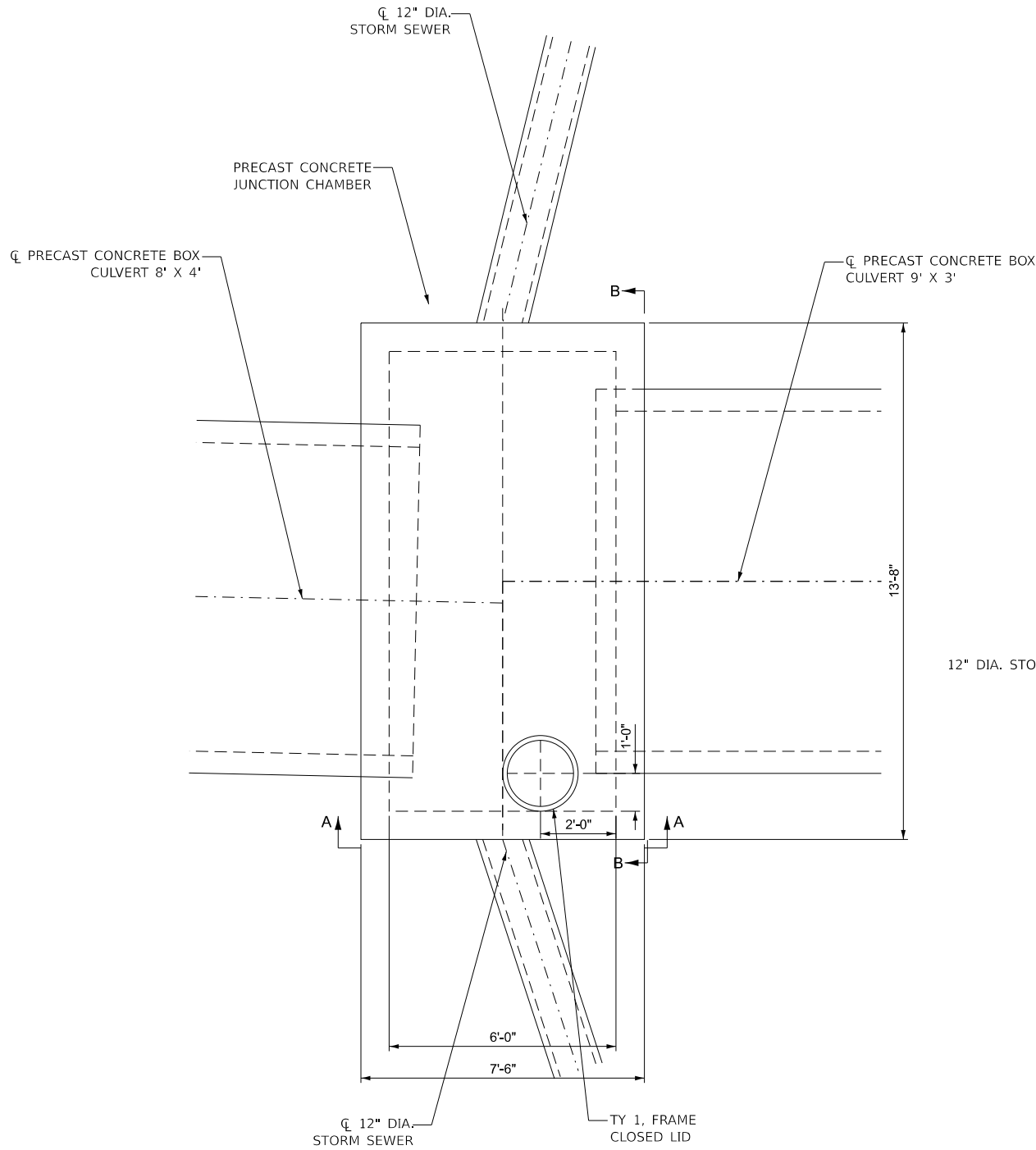
USER NAME	= mzuzda	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 0.16666633" / In.	CHECKED	-	REVISED	-
PLOT DATE	= 8/5/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

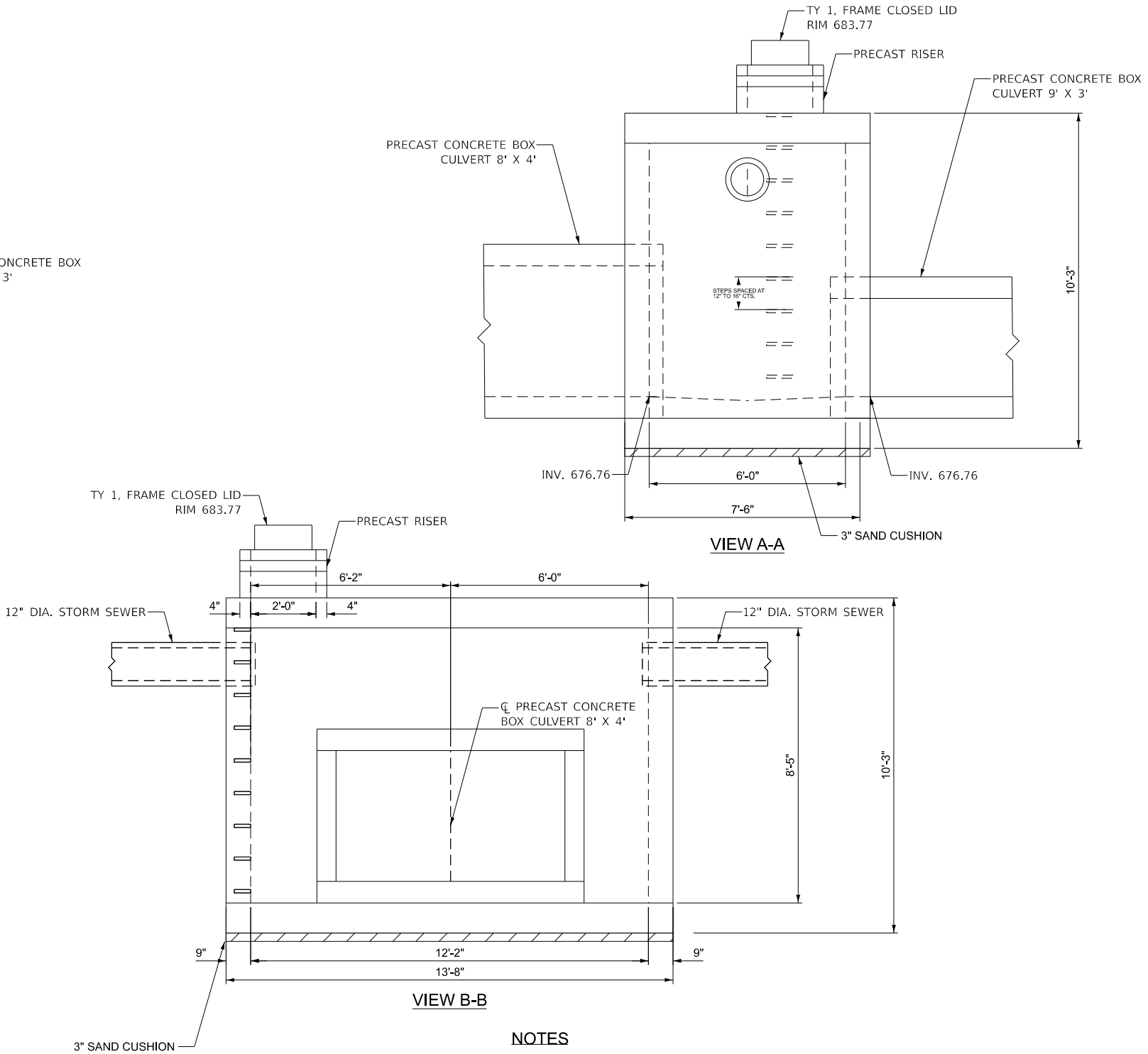
CONSTRUCTION DETAILS
JUNCTION BOX DETAILS - STRUCTURE 9-3

SCALE: SHEET 4 OF 6 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	159
CONTRACT NO.				61K93
ILLINOIS FED. AID PROJECT				



JUNCTION CHAMBER PLAN



NOTES

1. PRECAST CONCRETE JUNCTION CHAMBER SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SPECIAL PROVISION "PRECAST CONCRETE JUNCTION CHAMBER" AND THE STANDARD SPECIFICATIONS.
2. APPROPRIATE SIZING AND LOCATION OF LIFTING INSERTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ASSURE BALANCED HANDLING DURING INSTALLATION.
3. THE CONTRACTOR IS TO PATCH ALL LIFTING INSERT HOLES AND PLACE A MINIMUM OF ONE (1) INCH COVER OVER THE HARDWARE OF THESE DEVICES ON BOTH TOP AND BOTTOM SURFACES.
4. PRECAST CONCRETE JUNCTION CHAMBER SHALL BE PRECAST WITH NO JOINTS. SEE HIGHWAY STANDARDS 602701-02 AND 604001-05 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
5. ALL INVERTS AND ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS AND CONSTRUCTION. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED WITHIN THE CONTRACT UNIT PRICE FOR PRECAST CONCRETE JUNCTION CHAMBER.
6. ROCK FILL HAS BEEN PROVIDED FOR ANY AREAS REQUIRING UNDERCUTS.

MODEL: DR/C_04 [Sheet]
FILE NAME: 220706_Det_DR/C_04.dgn



HRGreen.com
Illinois Professional Design Firm
184-001322

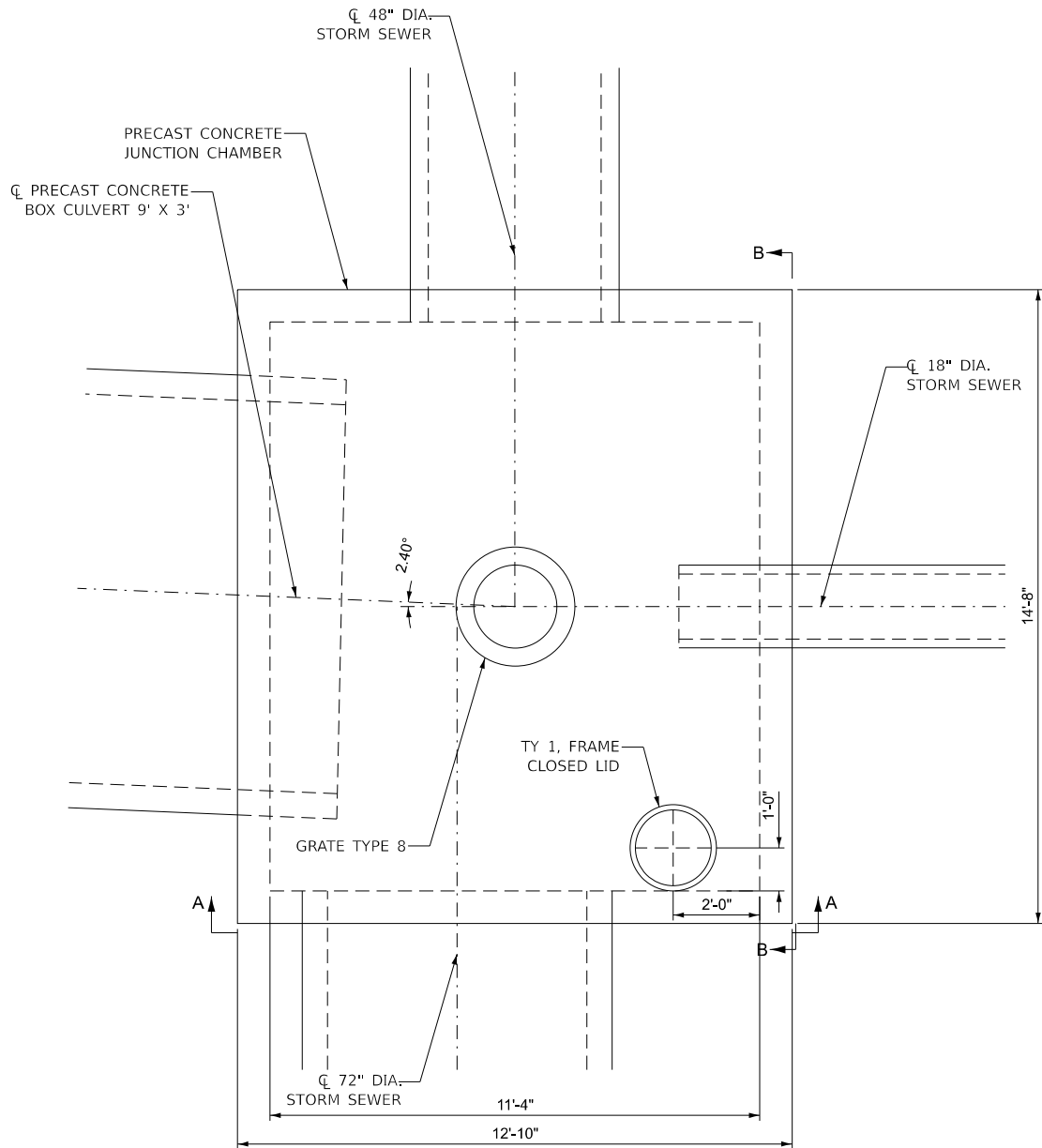
USER NAME = mzuzda	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633' / In.	CHECKED -	REVISED -
PLOT DATE = 8/5/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
JUNCTION BOX DETAILS - STRUCTURE 5-8

SCALE: SHEET 5 OF 6 SHEETS STA. TO STA.

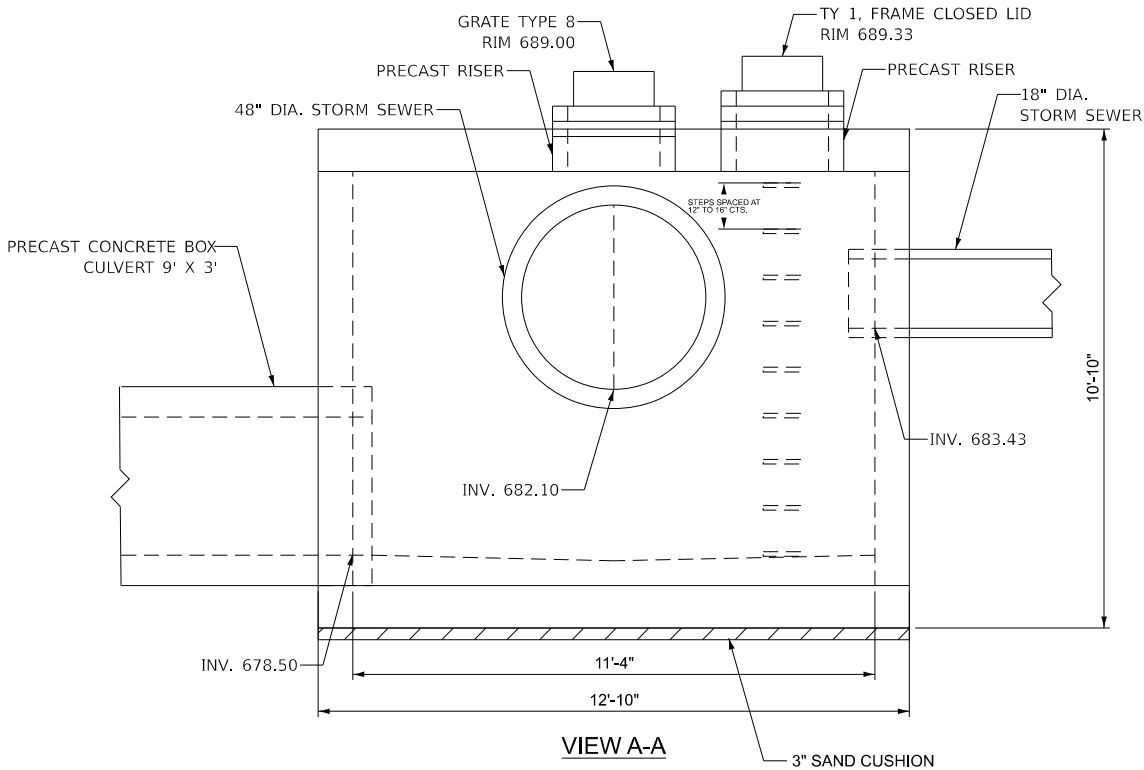
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	160
CONTRACT NO.				61K93
ILLINOIS FED. AID PROJECT				



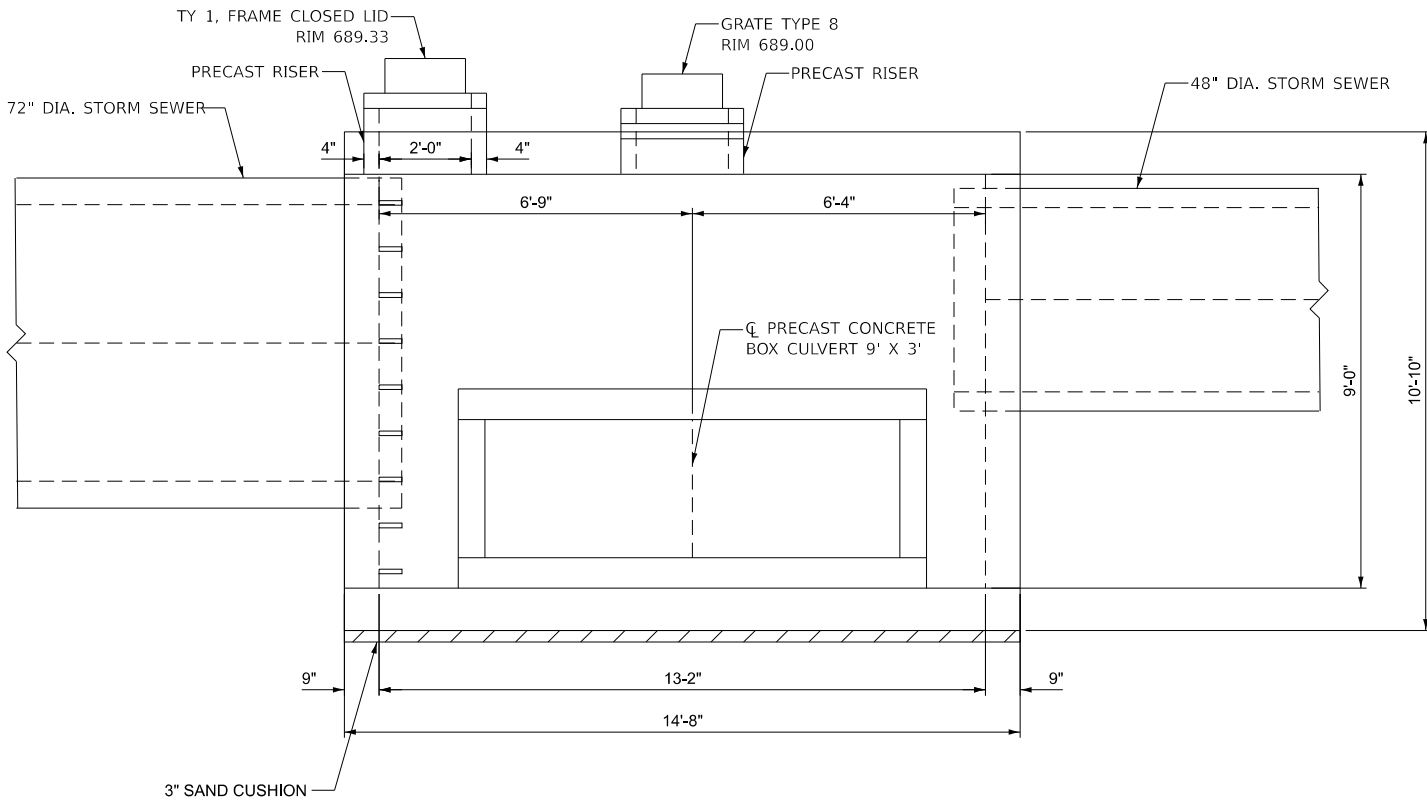
JUNCTION CHAMBER PLAN

NOTES

1. PRECAST CONCRETE JUNCTION CHAMBER SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SPECIAL PROVISION "PRECAST CONCRETE JUNCTION CHAMBER" AND THE STANDARD SPECIFICATIONS.
2. APPROPRIATE SIZING AND LOCATION OF LIFTING INSERTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ASSURE BALANCED HANDLING DURING INSTALLATION.
3. THE CONTRACTOR IS TO PATCH ALL LIFTING INSERT HOLES AND PLACE A MINIMUM OF ONE (1) INCH COVER OVER THE HARDWARE OF THESE DEVICES ON BOTH TOP AND BOTTOM SURFACES.
4. PRECAST CONCRETE JUNCTION CHAMBER SHALL BE PRECAST WITH NO JOINTS. SEE HIGHWAY STANDARDS 602701-02 AND 604001-05 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
5. ALL INVERTS AND ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS AND CONSTRUCTION. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED WITHIN THE CONTRACT UNIT PRICE FOR PRECAST CONCRETE JUNCTION CHAMBER.
6. ROCK FILL HAS BEEN PROVIDED FOR ANY AREAS REQUIRING UNDERCUTS.



VIEW A-A



VIEW B-B

MODEL: DR/C_05 (Sheet)
FILE NAME: 220706_Det_DR/C_05.dgn



HRGreen.com
Illinois Professional Design Firm
184-001322

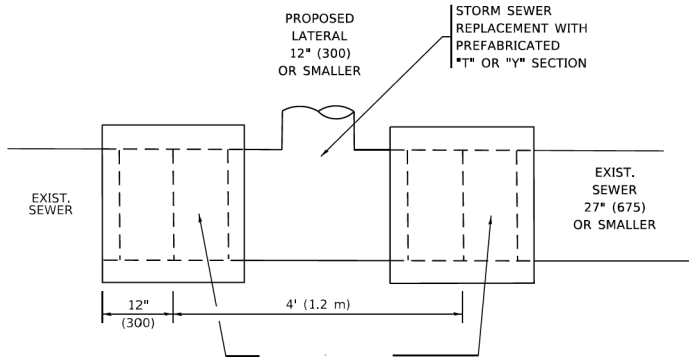
USER NAME = mzuzda	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -
PLOT DATE = 8/5/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

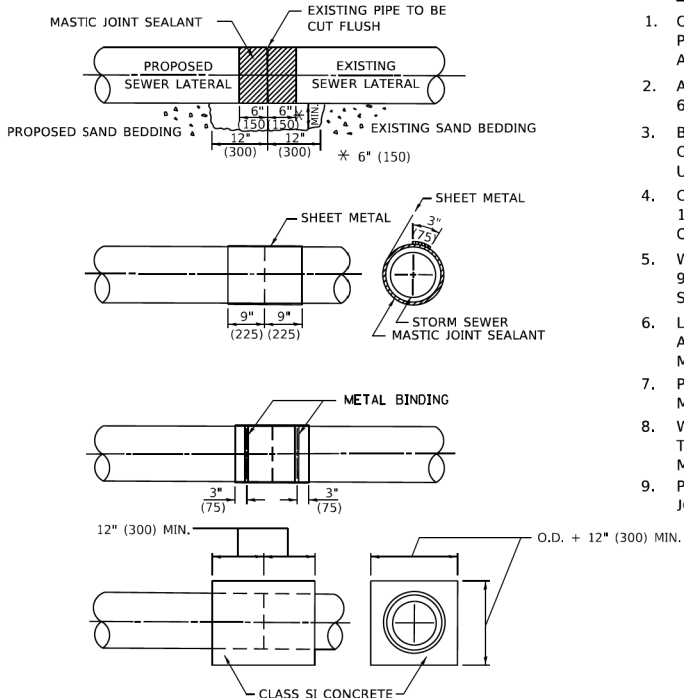
CONSTRUCTION DETAILS JUNCTION BOX DETAILS - STRUCTURE 2-17

SCALE: SHEET 6 OF 6 SHEETS STA. TO STA.

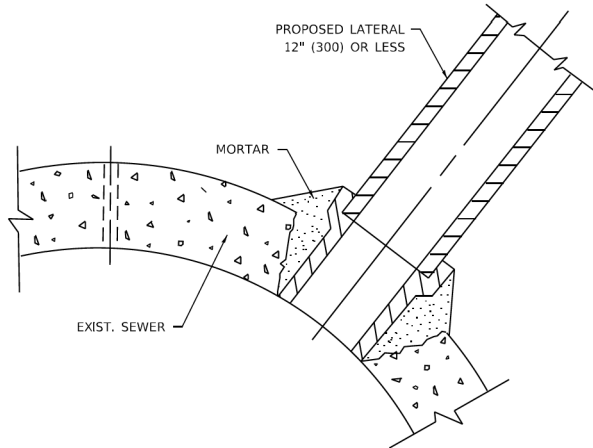
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	161
CONTRACT NO. 61K93				
ILLINOIS FED. AID PROJECT				



DETAIL "A"
LATERAL CONNECTION TO EXISTING SEWER
OF 27" (675) OR SMALLER



DETAIL "B"
CLASS SI CONCRETE COLLAR



DETAIL "C"
PROPOSED LATERAL
CONNECTION TO EXISTING SEWER
OF 30" (750) OR LARGER

NOTES:

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

- CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.
- CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

- TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED , AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.
- REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.
- TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.
- FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

* ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

	USER NAME	= Lawrence,DeManche	DESIGNED	-	M. DE YONG	REVISED	-	R. SHAH 09-09-94
			DRAWN	-		REVISED	-	R. SHAH 10-25-94
	PLOT SCALE	= 100.0000 " / In.	CHECKED	-		REVISED	-	R. SHAH 06-12-96
	PLOT DATE	= 11/18/2022	DATE	-	07-25-90	REVISED	-	K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
BD500-01 (BD-07)		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		



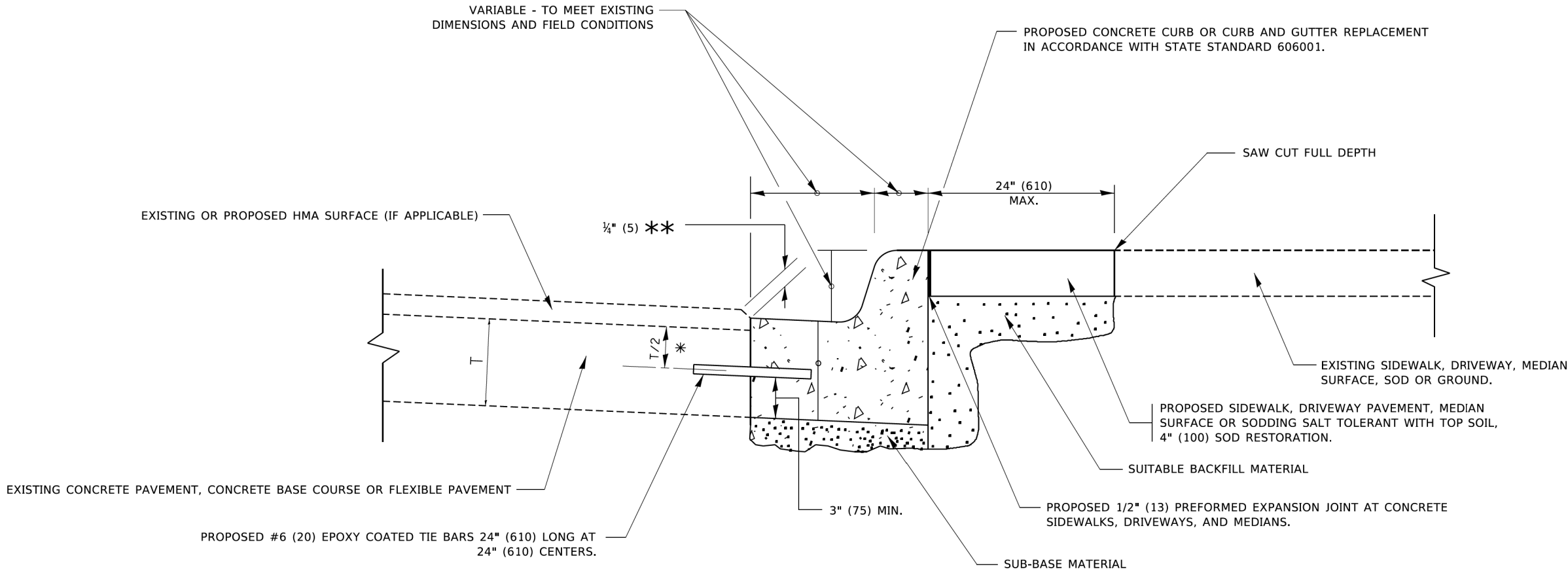
HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME	= mzuzdo	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 0.16666633 " / In.	CHECKED	-	REVISED	-
PLOT DATE	= 8/5/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE DETAILS
TONNE ROAD

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	162
CONTRACT NO. 61K93				
ILLINOIS FED. AID PROJECT				



* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

	USER NAME = footemj	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - M. GOMEZ 01-22-01										
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - R. BORO 12-15-09						BD600-06 (BD-24)		CONTRACT NO.		
	PLOT DATE = 7/11/2019	DATE - 03-11-94	REVISED - K. SMITH 07-11-19						ILLINOIS		FED. AID PROJECT		

USER NAME = mzuzdo	DESIGNED -	REVISED -
DRAWN -	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/5/2025	DATE -	REVISED -

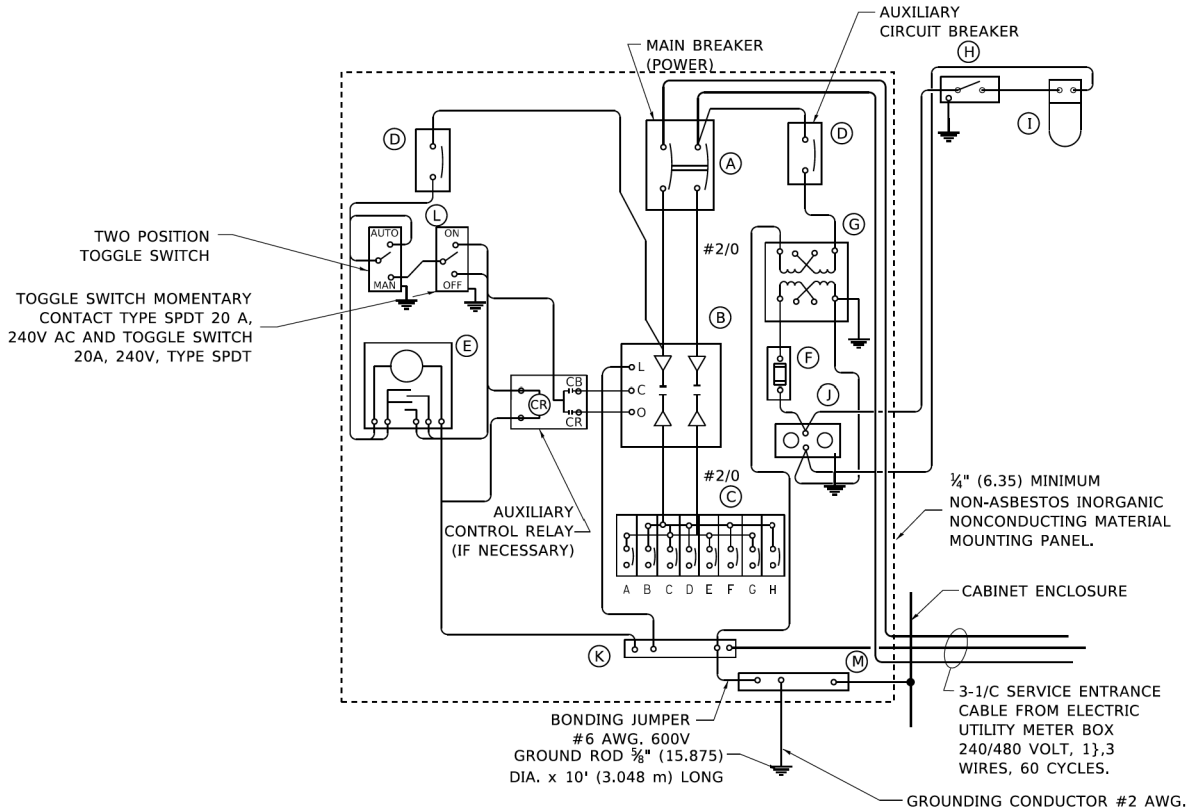
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE DETAILS TONNE ROAD			
SCALE:	SHEET 2 OF 13 SHEETS	STA.	TO STA.

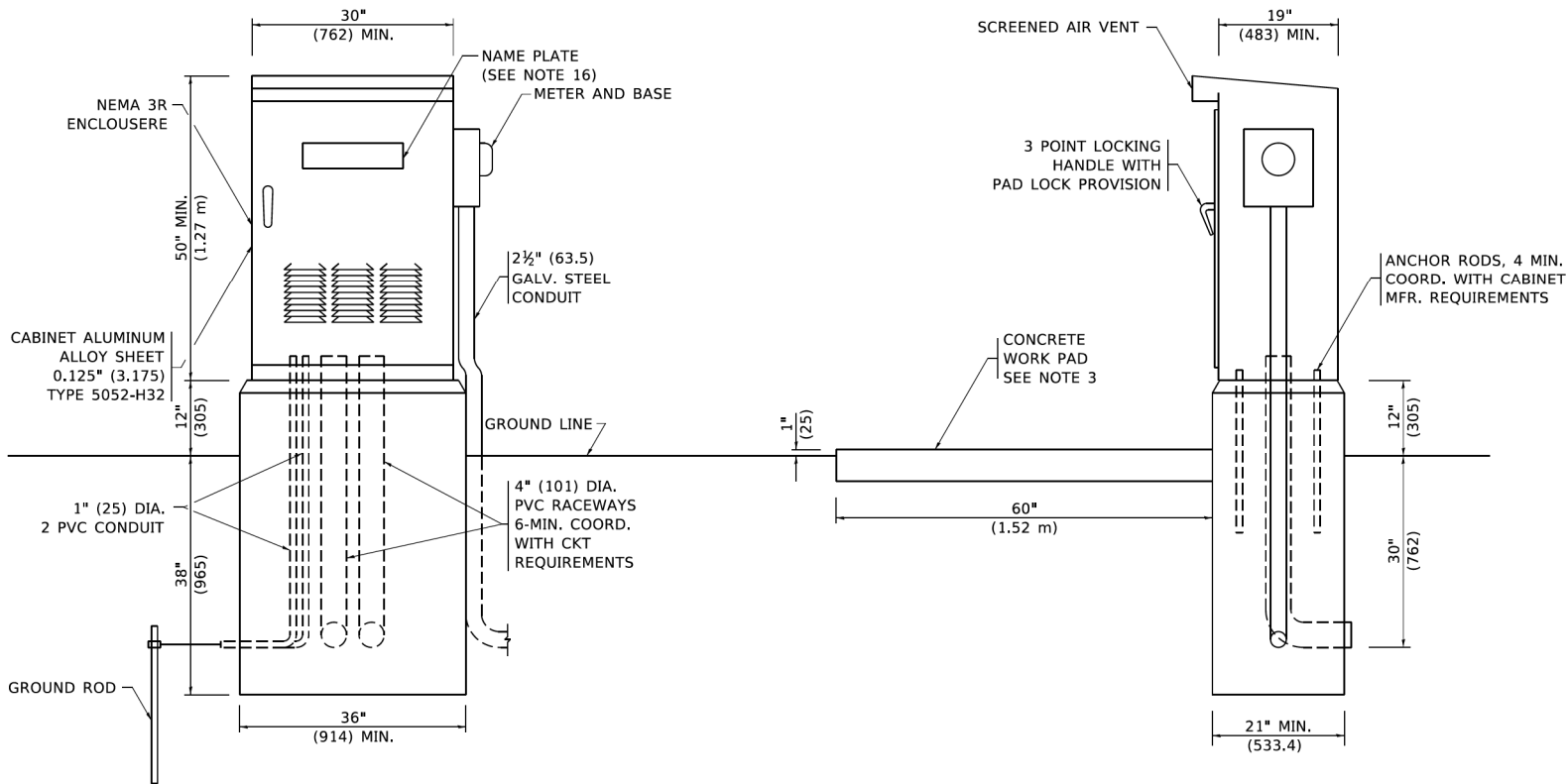
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	163
		CONTRACT NO. 61K93		
		ILLINOIS FED. AID PROJECT		



HRGreen.com
Illinois Professional Design Firm
184-001322



PANEL WIRING DIAGRAM



PANEL EQUIPMENT

BILL OF MATERIAL		
ITEM	QUANTITY	DESCRIPTION
A	1	MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT 100 AMP. FRAME, 100 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-22000 AMP. AT 480 VOLT.
B	1	REMOTE CONTROL SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, 100 AMP., 600 VOLTS CONTROL CIRCUIT 240 VOLT.
C	8	CIRCUIT BREAKERS, 1 POLE, 100AMP. FRAME, 50 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-10,000 AMP. AT 240 V.
D	2	CONTROL CIRCUIT-CIRCUIT BREAKER. 1 POLE, 240 V., 100 AMP. FRAME, 15 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-5000 AMP. AT 240 V.
E	1	ASTRONOMIC MICROPROCESSOR-BASED 2-CHANNEL CONTROLLER (TIME SWITCH).
F	1	20 AMP, 120 VOLT FUSE.
G	1	1.5 KVA, SINGLE PHASE, ENCAPSULATED TRANSFORMER 240 X 480 / 120 X 240 VOLT, 60 Hz.
H	1	SPST 20A SWITCH ON DOOR, TO TURN LIGHT ON WHEN DOOR IS OPEN,
I	1	INCANDESCENT LIGHTING FIXTURE ENCLOSED AND GASKETED WITH 60 WATT, 120 V. LAMP.
J	1	20 AMP, 120 VOLT, DUPLEX RECEPTACLE, GFCI.
K	1	COPPER GROUND BUS 1#4\" (6.35) X 1\" (25.4) X 12\" (304.8 mm) LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS
L	1	TOGGLE SWITCHES MOUNTED IN 4\" (101.6) X 4\" (101.6 mm) BOX.
M	1	COPPER GROUND BUS 1#4\" (6.35) X 1\" (25.4) X 12\" (304.8 mm) LONG MOUNTED ON PANEL WITH LUGS AND SPARE LUGS.

NOTES

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

2. FOUNDATION SIZE SHALL BE COORDINATED WITH CABINET SIZE AND MFR.

3. IN FRONT OF CONTROL CABINET DOOR, REMOVE VEGETATION AND 2\" (50.8 mm) TOP SOIL, LEVEL THE AREA AND ON TOP, PLACE LENGTH WISE PARALLEL TO CONTROL CABINET, A CONCRETE PAD 36\" (914.4 mm) x 60\" (18.288 m) x 4\" (101 mm) MIN. SIZE. THE COST OF LABOR AND MATERIALS ARE INCLUDED IN THE COST OF THE CONTROLLER.

4. DOOR SHALL BE CONSTRUCTED FROM SAME TYPE OF MATERIAL AND THICKNESS AS CABINET.

5. DOOR SHALL BE EQUIPPED WITH THREE POINT LATCHING MECHANISM WITH NYLON ROLLERS AT TOP THE BOTTOM.

6. DOOR HINGE SHALL BE A HEAVY GAUGE CONTINUOUS HINGE WITH A 1#4\" (6.35 mm) DIA. STAINLESS STEEL HINGE PIN.

7. ALL EXTERNAL HARDWARE SHALL BE STAINLESS STEEL.

8. CONTROL WIRING TO BE #12 AWG, 600V, TYPE "SIS" GRAY SWITCH BOARD WIRE, STRANDED COPPER.

9. METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET, NEAR TO THE SERVICE POLE.
10. CABINETS SHALL BE PRIMED AND PAINTED AS SPECIFIED.

11. THE HEADS OF CONNECTORS SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BAR CONNECTION AND GREEN FOR GROUND BAR CONNECTORS.

12. ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED.
R = RED BL = BLUEW = WHITE
B = BLACK Y = YELLOW G = GREEN

13. PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.

14. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

15. THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL".

16. 12\" (304.8) X 16\" (406.4 mm) STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "STATE OF ILLINOIS LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED.

MODEL: Default
FILE NAME: pwr\planroom.dwg
PROJECT: D:\Sd\222-341 CAD Data\1 CAD Sheets\be215.dgn

USER NAME = footernj	DESIGNED -	REVISED - 08-20-04
PLOT SCALE = 50.0000 ' / In.	DRAWN -	REVISED -
PLOT DATE = 4/19/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING CONTROLLER
SINGLE DOOR

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
BE-215		CONTRACT NO.		
ILLINOIS		FED. AID PROJECT		

USER NAME = muzzdo	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633 ' / In.	DRAWN -	REVISED -
PLOT DATE = 8/5/2025	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE DETAILS
TONNE ROAD

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	164
CONTRACT NO. 61K93				
ILLINOIS FED. AID PROJECT				

FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT BARS	SPIRAL	VERT BARS	SPIRAL
SOFT CLAY	13'-0" (3.962 m)	15'-0" (4.572 m)	8-#6X12'-6" (3.810 m)	#3X122' (37.186 m)	8-#6X14'-3" (4.343 m)	#3X141' (42.977 m)
MEDIUM CLAY	9'-6" (2.896 m)	10'-9" (3.277 m)	8-#6X9'-0" (2.743 m)	#3X90' (27.432 m)	8-#6X10'-0" (3.048 m)	#3X100' (30.480 m)
STIFF CLAY	7'-0" (2.134 m)	8'-0" (2.438 m)	8-#6X6'-6" (1.981 m)	#3X66' (20.112 m)	8-#6X7'-6" (2.286 m)	#3X76' (23.165 m)
LOOSE SAND	9'-0" (2.743 m)	10'-0" (3.048 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)	8-#6X9'-6" (2.896 m)	#3X94' (28.651 m)
MEDIUM SAND	8'-3" (2.515 m)	9'-0" (2.743 m)	8-#6X8'-0" (2.438 m)	#3X78' (23.774 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
DENSE SAND	7'-9" (2.362 m)	9'-0" (2.743 m)	8-#6X7'-6" (2.286 m)	#3X73' (22.250 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
ROCK OR SOLIDIFIED SLAG	5'-0" (1.524 m)	5'-0" (1.524 m)	NONE	NONE	NONE	NONE

OFFSET SCHEDULE

SEWER DIAM. d IN.	PILE OFFSET from Q-MED'N FT.	LENGTH of BAR a FT.
UP TO 24" (609.6 mm)	3'-3" (0.991 m)	#6 x 5'-3" (1.600 m)
27" (685.8 m) TO 36" (914.4 mm)	3'-9" (1.143 m)	5'-9" (1.753 m)
42" (1066.8 mm) TO 48" (1219.2 mm)	4'-6" (1.372 m)	6'-6" (1.981 m)
54" (1371.6 mm) TO 60" (1524.0 mm)	5'-0" (1.524 m)	7'-0" (2.134 m)
66" (1676.4 mm) TO 72" (1828.8 mm)	5'-6" (1.676 m)	7'-6" (2.286 m)

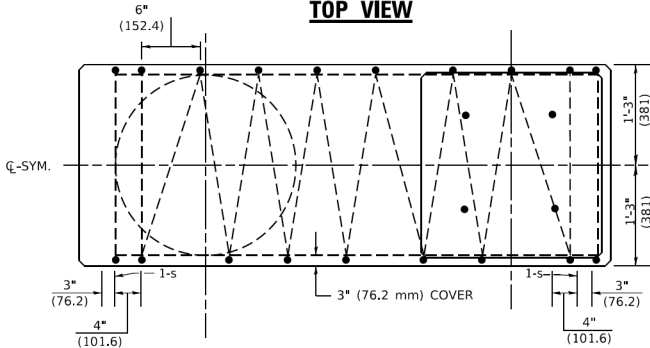
BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	8'-0" (2.438 m)	▢
s ₁	3	3	7'-6" (2.286 m)	▢
v ₁	8	6	2'-9" (0.838 m)	—
v ₂				

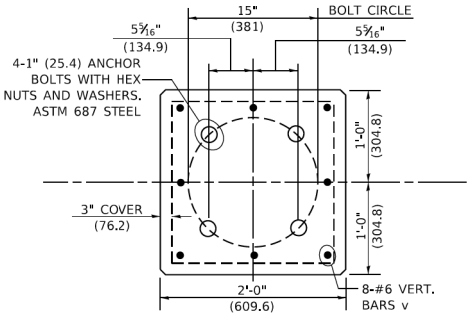
NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
- EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" (609.6 mm) OR 30" (762.0 mm) IN DIAMETER.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT BREAKAWAY DEVICE, ANCHOR BOLTS SHALL PROJECT 23#4" (69.9 mm) ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENTION WITH ENGINEER.
- RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERECTED.

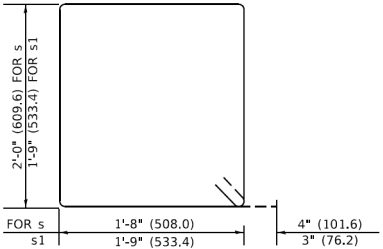
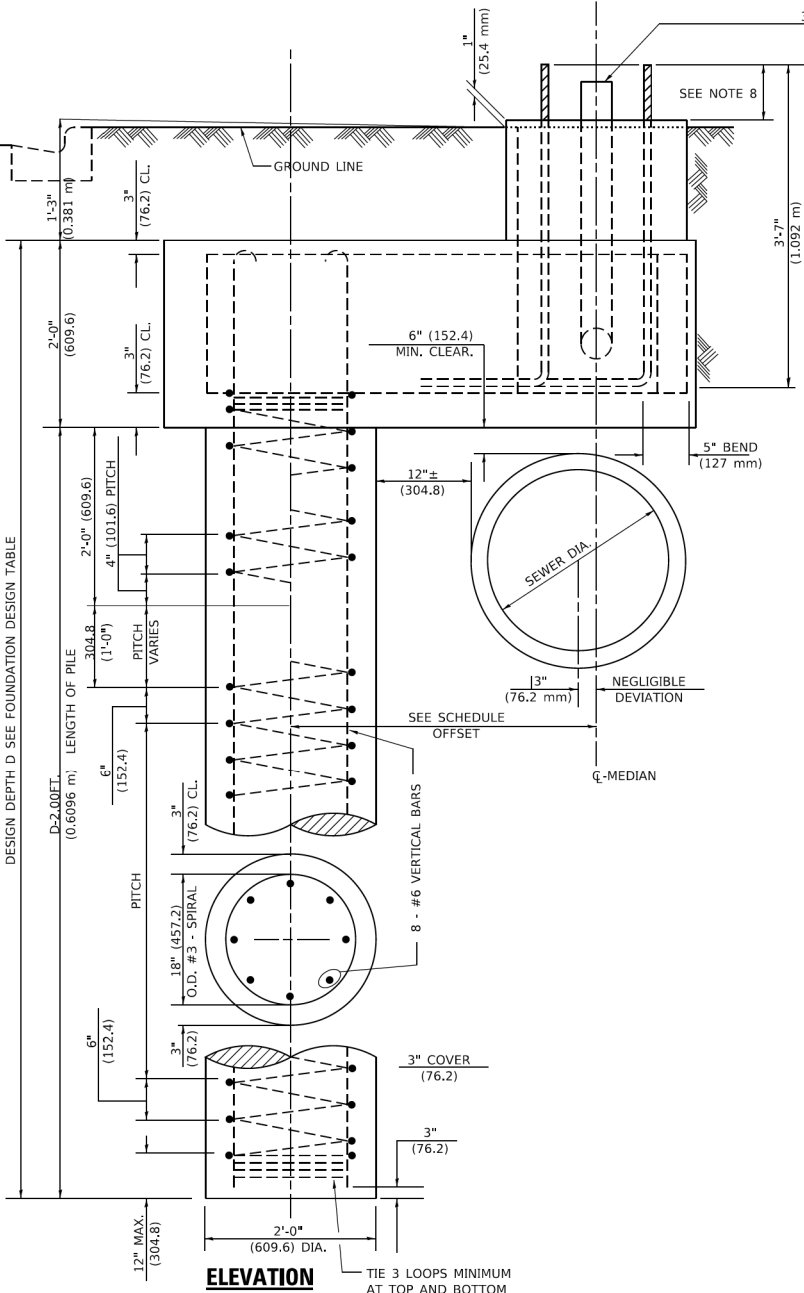
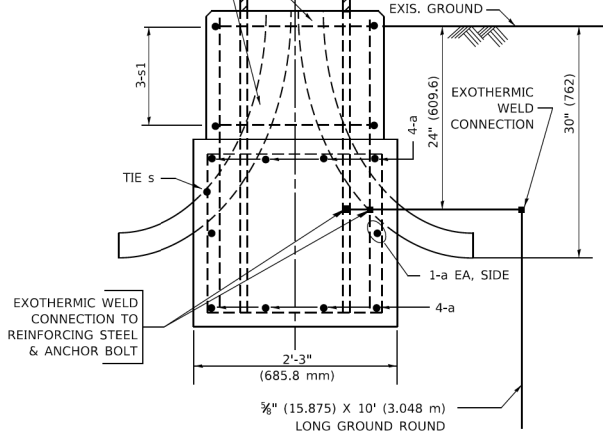
PLAN-CAP BEAM
TOP VIEW



TOP VIEW



END VIEW



BARS s, s1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION OFFSET
40' (12.192m) TO 47 1/2' (14.478m) M.H., 15" (381mm) BOLT CIRCLE
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
BE310		CONTRACT NO.		
ILLINOIS		FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE DETAILS
TONNE ROAD

SCALE: SHEET 5 OF 13 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	165
CONTRACT NO. 61K93				
ILLINOIS FED. AID PROJECT				

MODEL: be310 (Sheet)
FILE NAME: 220706_Det_BE310.dgn

HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME = muzzdo	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -
PLOT DATE = 8/5/2025	DATE -	REVISED -

MODEL: tc10 [Sheet]
FILE NAME: 220706_Det_TC10.dgn



HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME	= mzuzda	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 0.16666633 ' / in.	CHECKED	-	REVISED	-
PLOT DATE	= 8/5/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE DETAILS
TONNE ROAD

SCALE: SHEET 6 OF 13 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	166
CONTRACT NO.				61K93
ILLINOIS		FED. AID PROJECT		

MODEL: Default
FILE NAME: c:\w\lucacaw.bentley.com\p\DOT\Documents\DOT Office\Driflet_1\Projects\03\Det\223#ICAD\Det\CADSheet1c10.dgn

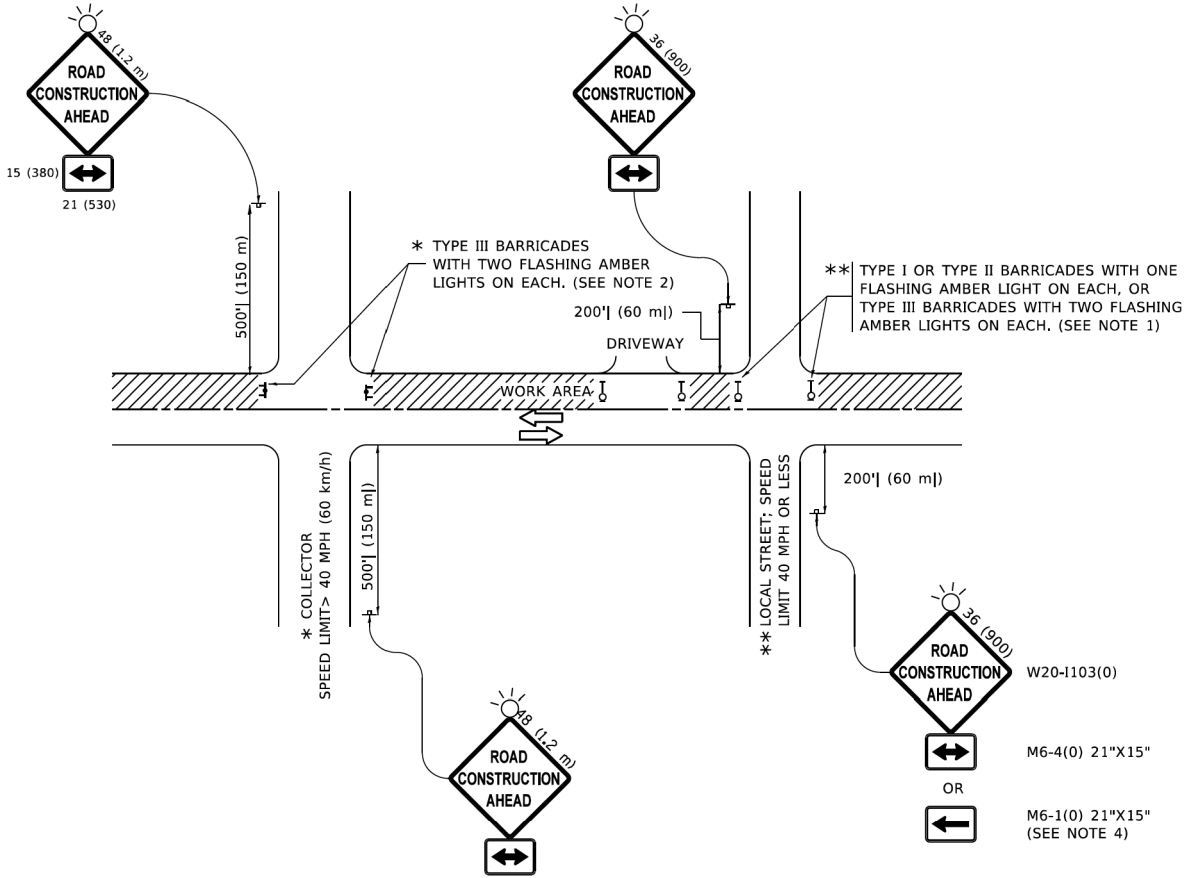
	USER NAME	= Lawrence.DeManche	DESIGNED	-	L.H.A.	REVISED	-	T. RAMMACHER 01-06-00
			DRAWN	-		REVISED	-	A. SCHUETZE 07-01-13
	PLOT SCALE	= 100.0000 ' / in.	CHECKED	-		REVISED	-	A. SCHUETZE 09-15-16
	PLOT DATE	= 5/3/2024	DATE	-	06-89	REVISED	-	D. SENDERAK 05-03-24

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

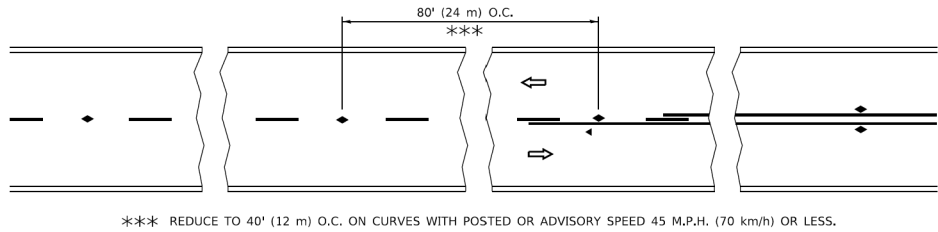
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

All dimensions are in inches (millimeters)
unless otherwise shown.

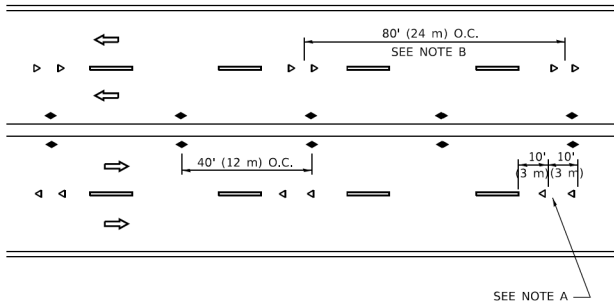


NOTES:

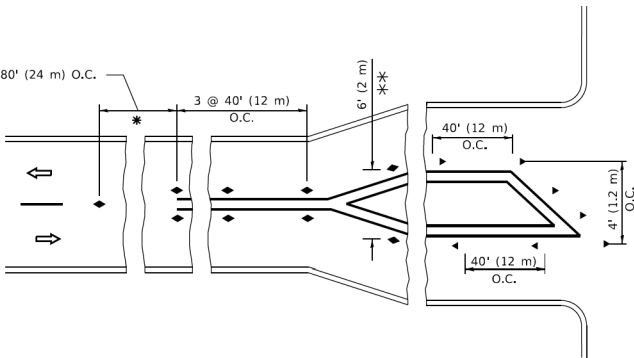
- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE
- SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



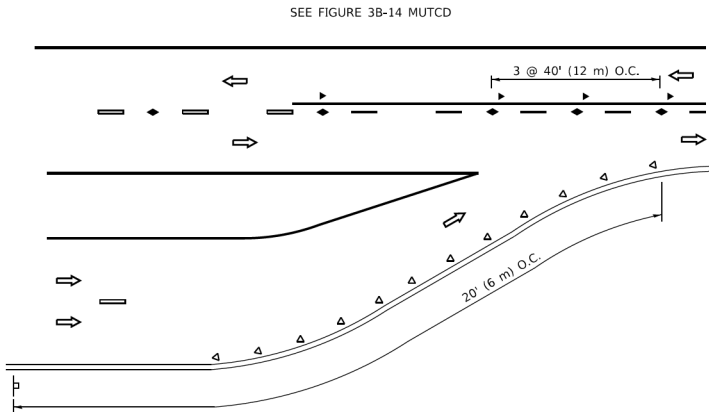
TWO-LANE/TWO-WAY



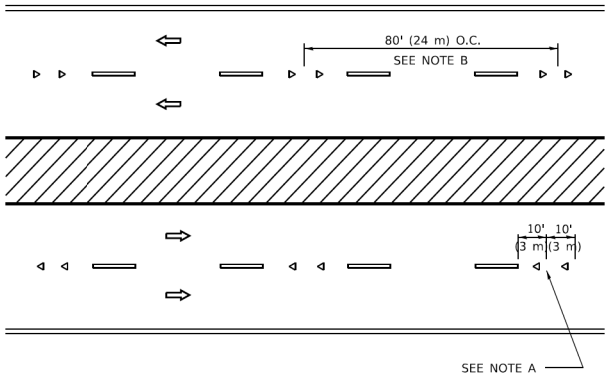
MULTI-LANE/UNDIVIDED



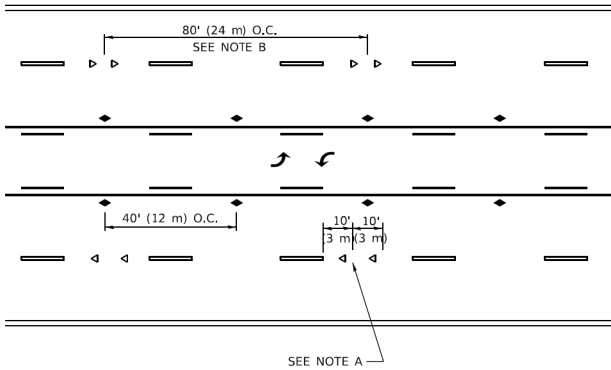
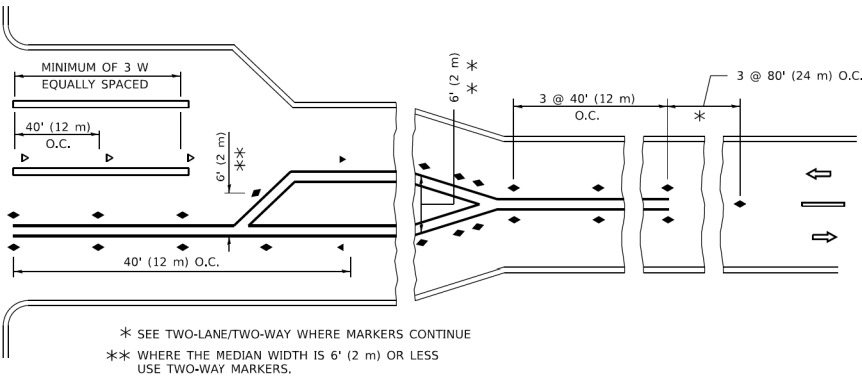
TURN LANES



LANE REDUCTION TRANSITION



MULTI-LANE/DIVIDED



TWO-WAY LEFT TURN

GENERAL NOTES

- MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
- MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
- MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
- MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)
- TWO-WAY AMBER MARKER

DESIGN NOTES

- DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
- EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
- THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
- MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.

All dimensions are in inches (millimeters) unless otherwise shown.

	USER NAME = footem	DESIGNED -	REVISED - T. RAMMACHER 03-12-99
		DRAWN -	REVISED - T. RAMMACHER 01-06-00
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 09-09-09
	PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS			
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TC-11				
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME = mzuzdo	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/5/2025	DATE -	REVISED -

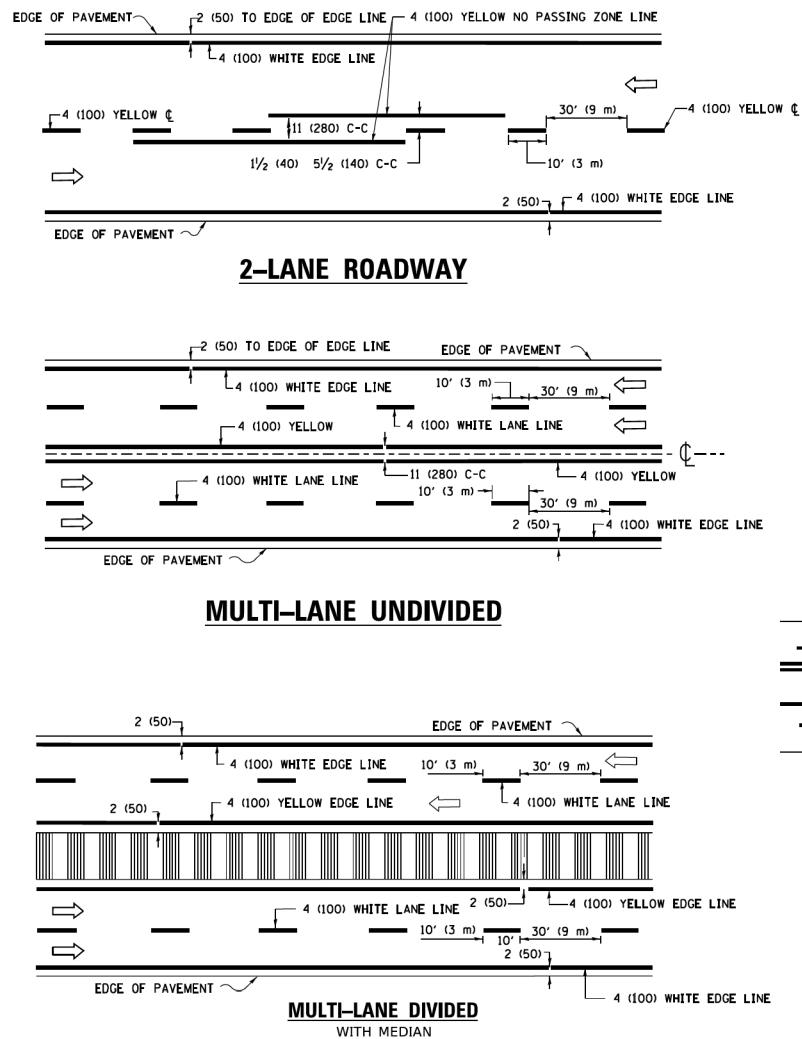
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE DETAILS			
TONNE ROAD			
SCALE:	SHEET 7	OF 13 SHEETS	STA. TO STA.

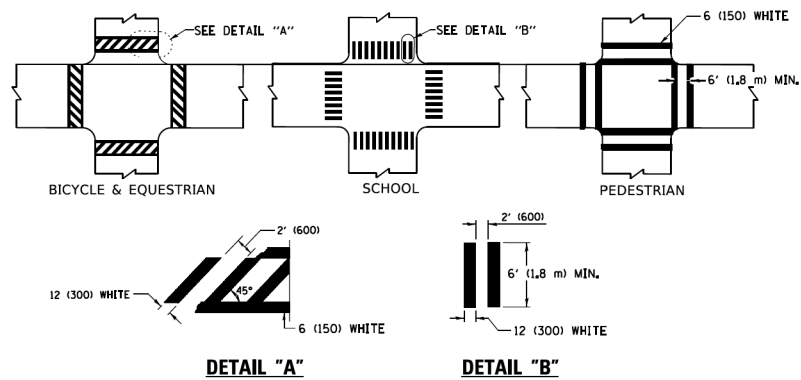
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	167
CONTRACT NO.				61K93
ILLINOIS FED. AID PROJECT				

MODEL: tc13 [Sheet]
FILE NAME: 220706_Det_TC13.dgn

MODEL: Default
FILE NAME: p:\w\11084EBID\NITEG\Illnots.gov\PWDOT\Documents\DOT_Offices\District_1\Projects\Dist22x3a\CADDData\CADDsheet\tc13.dgn

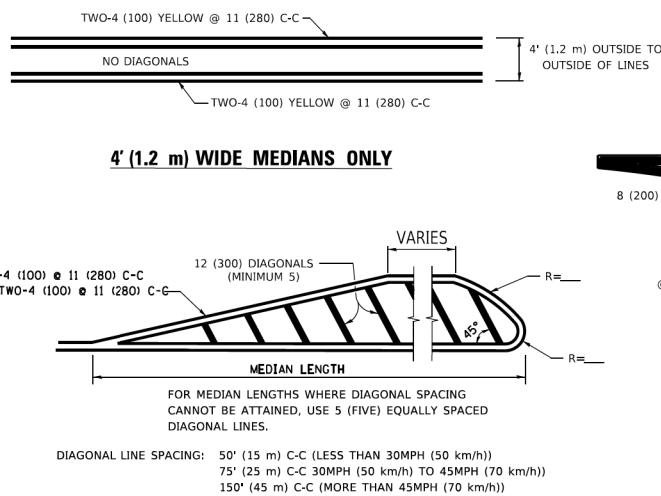


TYPICAL LANE AND EDGE LINE MARKING

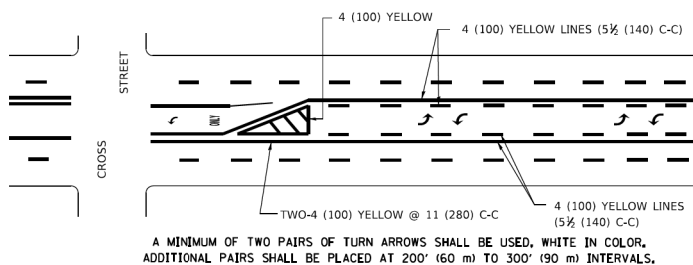


TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

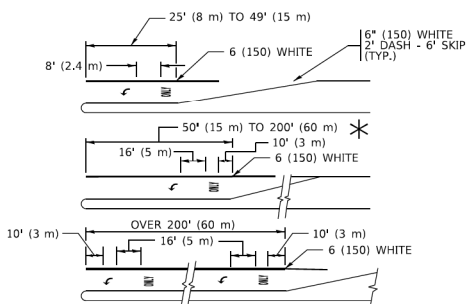


MEDIANS OVER 4' (1.2 m) WIDE



MEDIAN WITH TWO-WAY LEFT TURN LANE

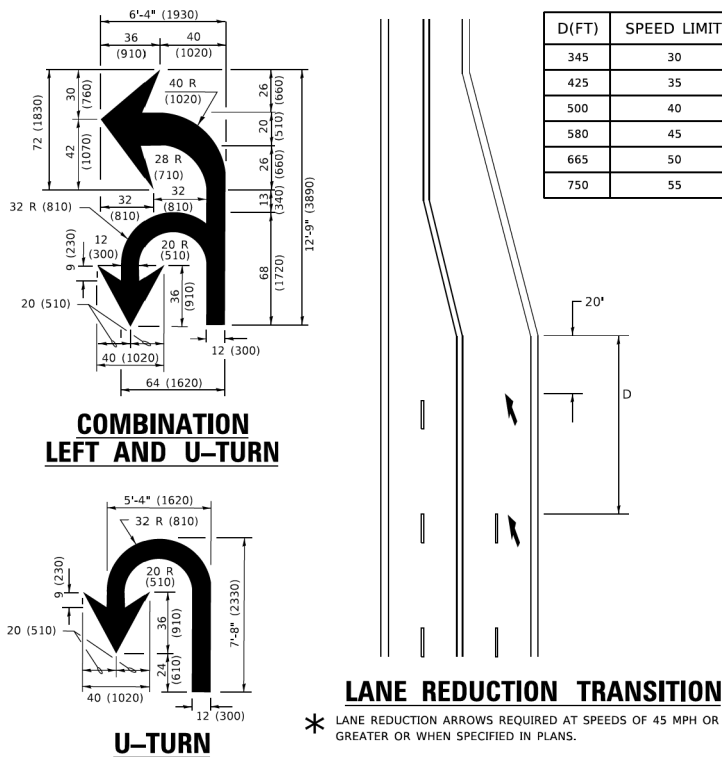
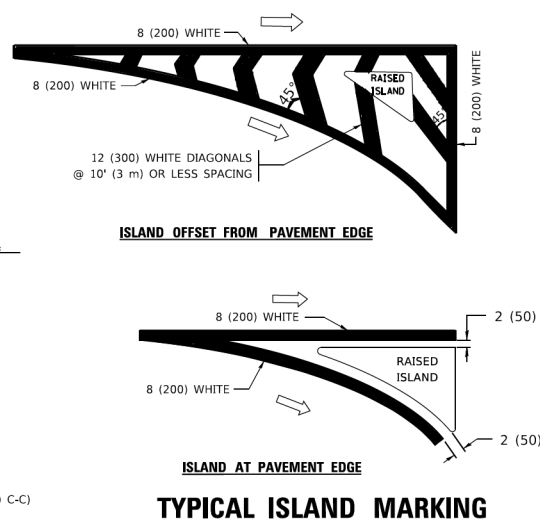
TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - *ONLY* INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - *ONLY*.

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE: FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: *RR* IS 6' (1.8 m) LETTERS: 16 (400) LINE FOR *X*	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: *R*=3.6 SQ. FT. (0.33 m ²) EACH *X*=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in Inches (millimeters) unless otherwise shown.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TC-13			CONTRACT NO.	
ILLINOIS			FED. AID PROJECT	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE DETAILS TONNE ROAD

SCALE: SHEET 8 OF 13 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	168
			CONTRACT NO. 61K93	
ILLINOIS			FED. AID PROJECT	



HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME = mzuzdo	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633' / In.	CHECKED -	REVISED -
PLOT DATE = 8/5/2025	DATE -	REVISED -

R4-7a
24"X30"

KEEP
→
RIGHT

4" YELLOW REFLECTIVE MARKING TAPE
WHITE SKIP-DAS

ARROW BOARD

L
(SEE NOTE 1)

ONLY

MEDIAN

SEE DETAIL "A"

NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
- B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS SHALL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

	WORK AREA
	LANE OPEN TO TRAFFIC
	ARROW BOARD
	TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
	DRUM WITH STEADY BURN LIGHT
	SIGN ASSEMBLY
	TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

Diagram illustrating the removal of conflicting pavement markings and the application of new reflective tape on a median.

Labels and Callouts:

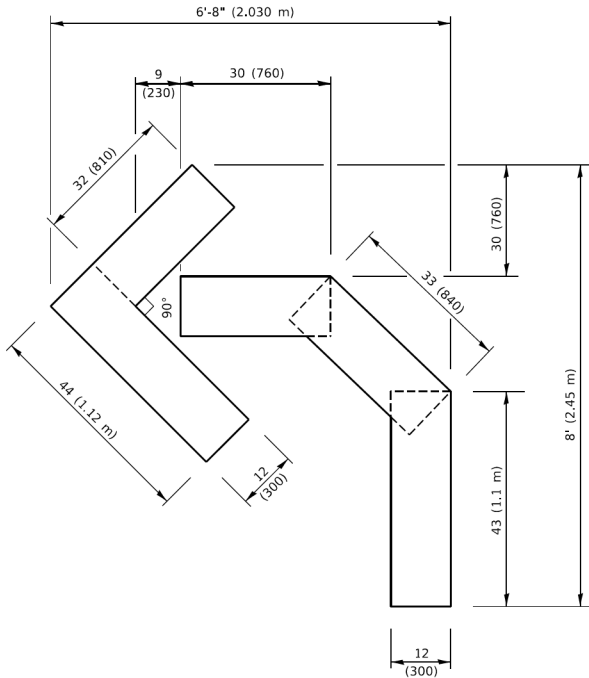
- CONFLICTING PAVEMENT MARKING REMOVAL (TYP.)
- ONLY
- SEE DETAIL "A"
- 6" WHITE REFLECTIVE PAVEMENT MARKING TAPE
- 20 MIN (6" MIN)
- 4" YELLOW REFLECTIVE PAVEMENT MARKING TAPE (REMOVE CONFLICTING WHITE SKIP-DASH LINES FIRST.)
- MEDIAN

Diagram illustrating the dimensions and stabilization requirements for a Left Turn Lane sign assembly:

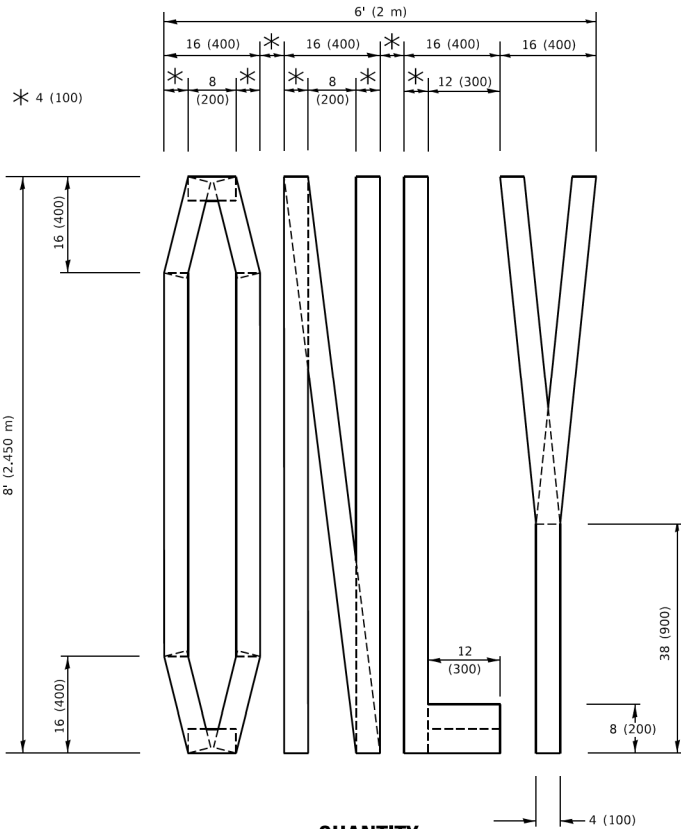
- Sign Dimensions:**
 - Top Sign: R3-I100L, 24 x 24 (600 x 600)
 - Bottom Sign: M6-2L, 21 x 15 (530 x 380)
- Assembly Dimensions:**
 - Minimum height from ground to the bottom of the sign assembly: 5' (1.5 m) MIN. (SEE NOTE 7)
- Stabilization:**
 - Stabilize sign support with sandbags as necessary.

All dimensions are in inches (millimeters)
unless otherwise shown.

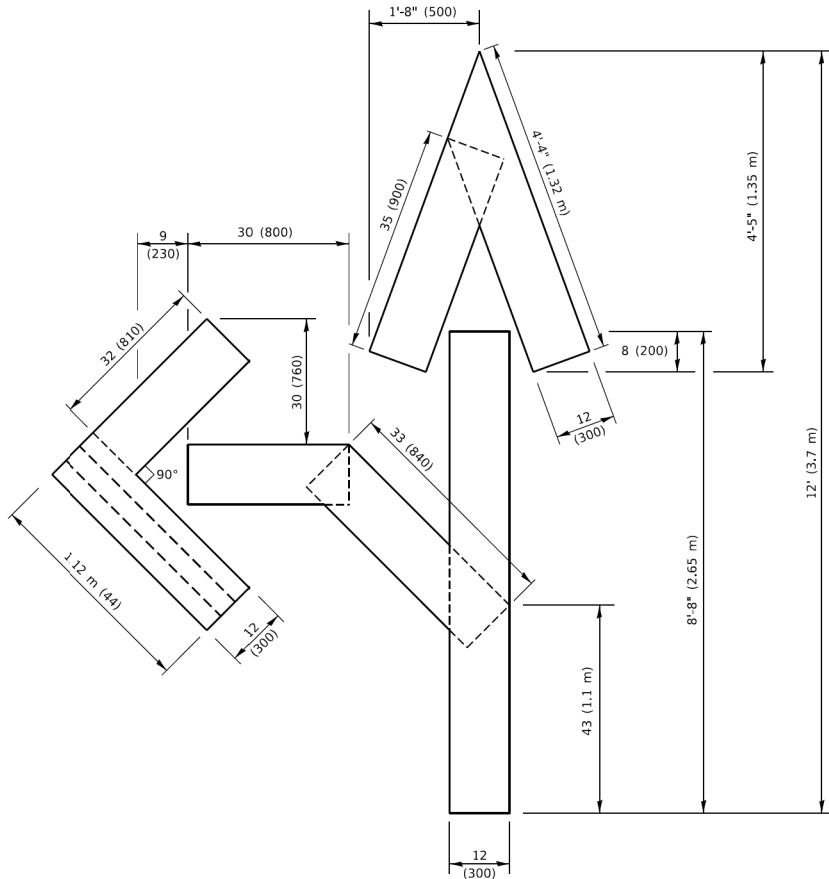
MODEL: tc14 [Sheet]
FILE NAME: 220706_Det_TC14.dgn



QUANTITY
4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.41 sq. m)

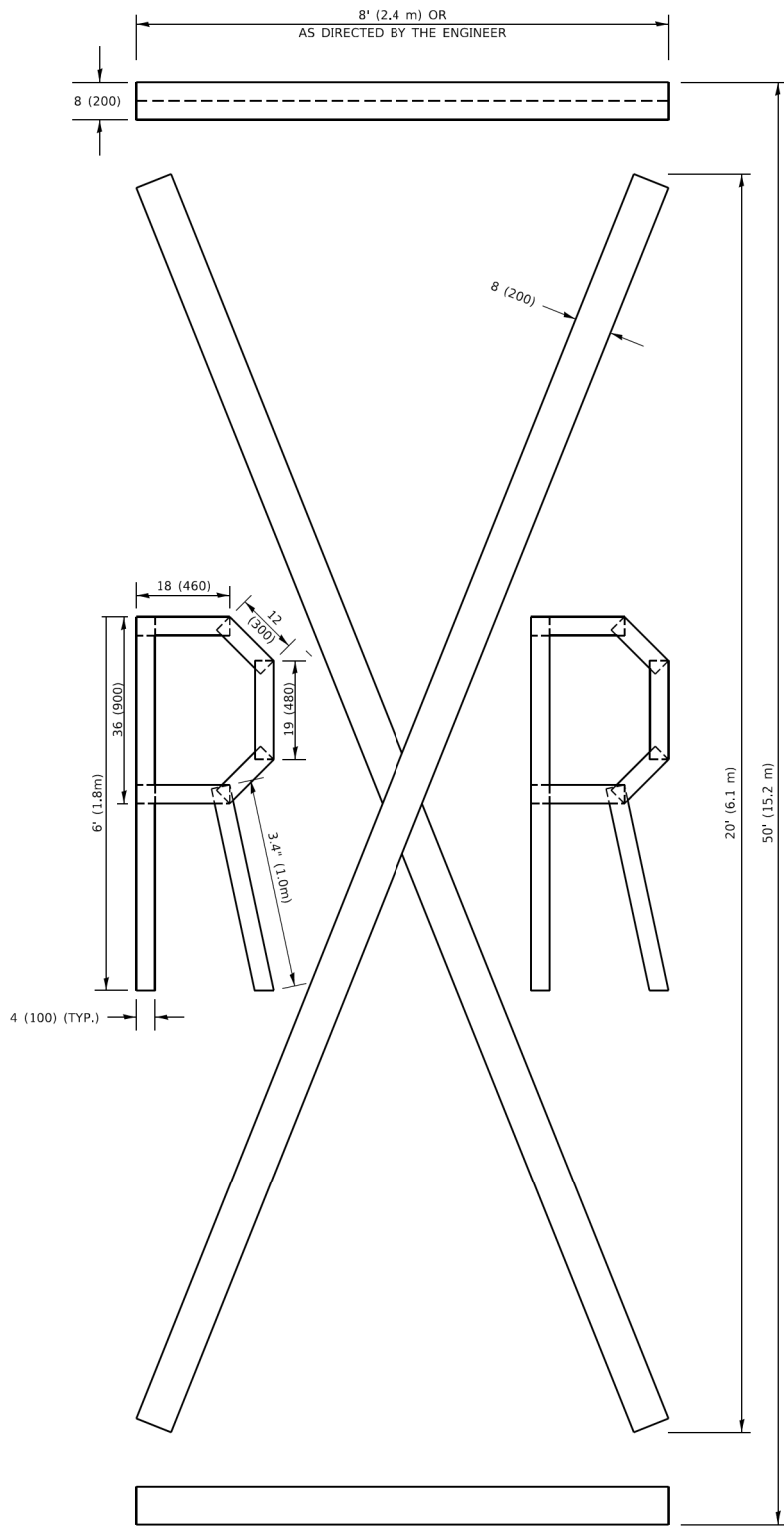


QUANTITY
4 (100) LINE = 64.1 ft. (19.5 m)
21.4 sq. ft. (1.99 sq. m)



QUANTITY
4 (100) LINE = 82.5 ft. (25.1 m)
27.5 sq. ft. (2.53 sq. m)

NOTE:
ALL QUANTITIES OF PLACEMENT ARE REPRESENTED
IN LINEAR FEET OF 4" LINES TO MATCH THE
4" TEMPORARY TAPE PAY ITEM AND REPRESENTS
THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY
4 (100) LINE = 225.9 ft. (68.9 m)
75.3 sq. ft. (6.99 sq. m)

All dimensions are in inches (millimeters)
unless otherwise shown.

MODEL: Default
FILE NAME: p:\x\ill084EBION\TEG\Illinois\DOT\Documents\DOT Offices\District 1\Projects\Dist5622x34\CADData\CA\cheets\c16.dgn

	USER NAME = footem	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
		DRAWN -	REVISED - E. GOMEZ 08-28-00
	PLOT SCALE = 50.0068 ' / In.	CHECKED -	REVISED - E. GOMEZ 08-28-00
	PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TC-16		CONTRACT NO.		
ILLINOIS		FED. AID PROJECT		

MODEL: tc16 (Sheet)
FILE NAME: 220706_Det_TC16.dgn



HRGreen.com
Illinois Professional Design Firm
184-001322

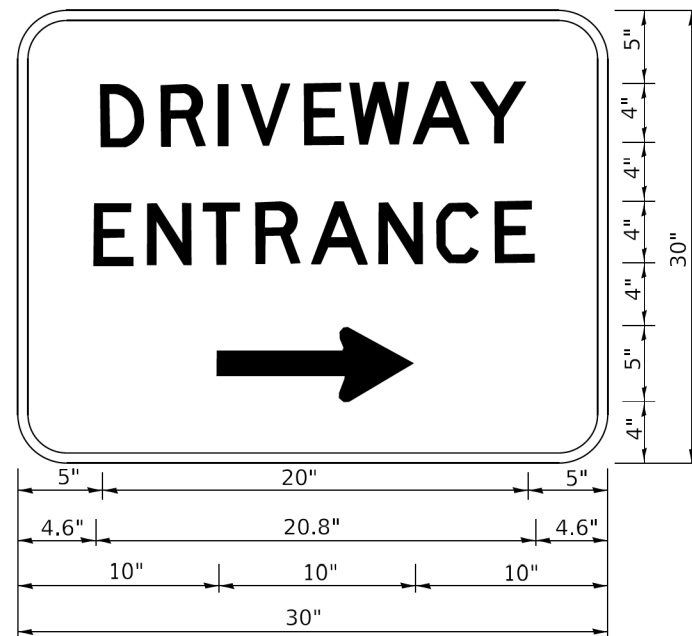
USER NAME = mzuzdo	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -
PLOT DATE = 8/5/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE DETAILS
TONNE ROAD

SCALE: SHEET 10 OF 13 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652	20-00073-01-PV	COOK	322	170
		CONTRACT NO. 61K93		
		ILLINOIS FED. AID PROJECT		



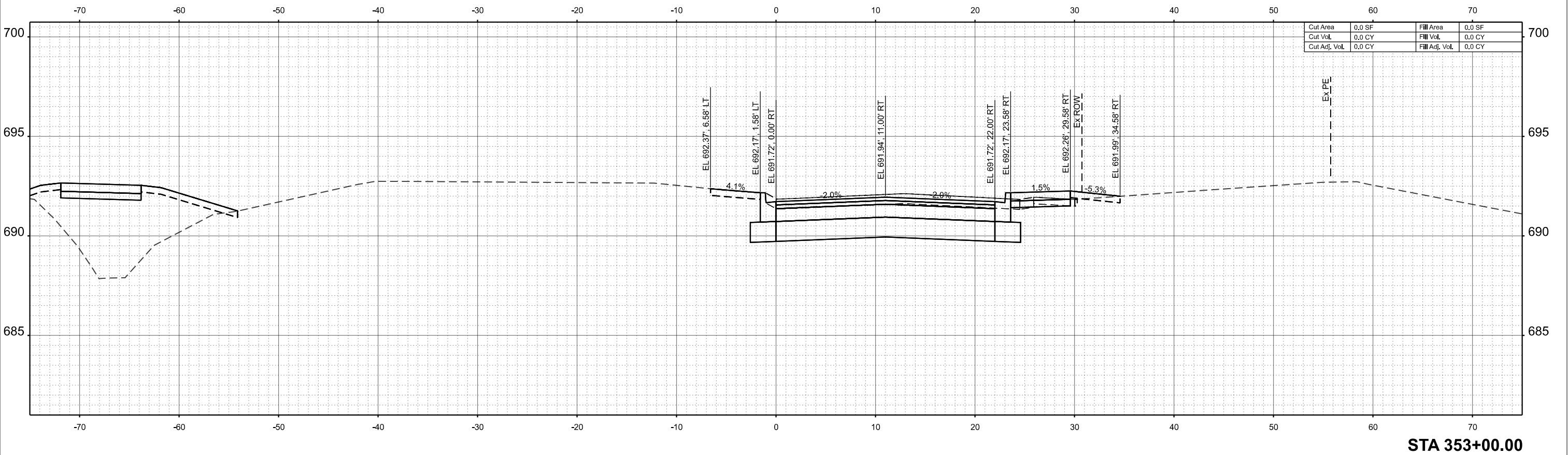
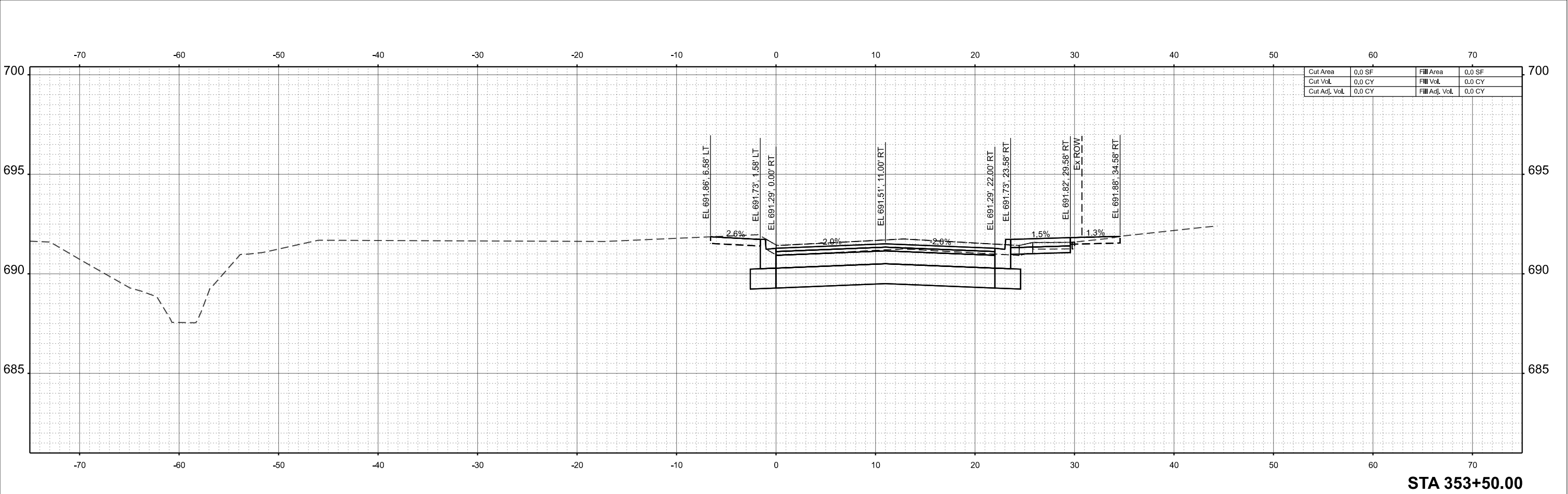
3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
"DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

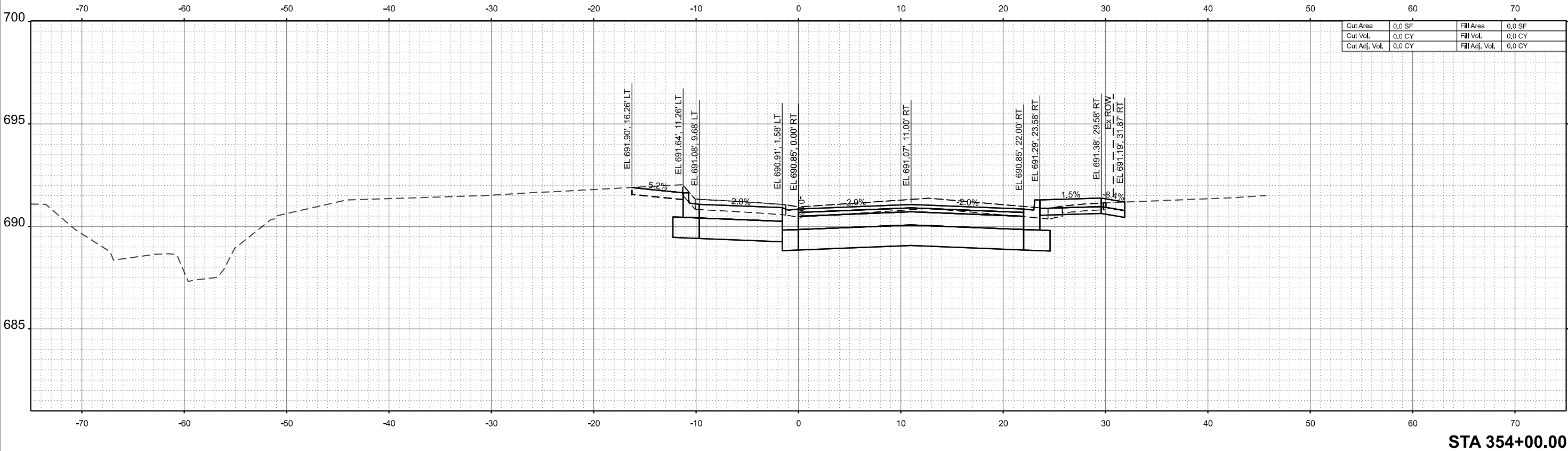
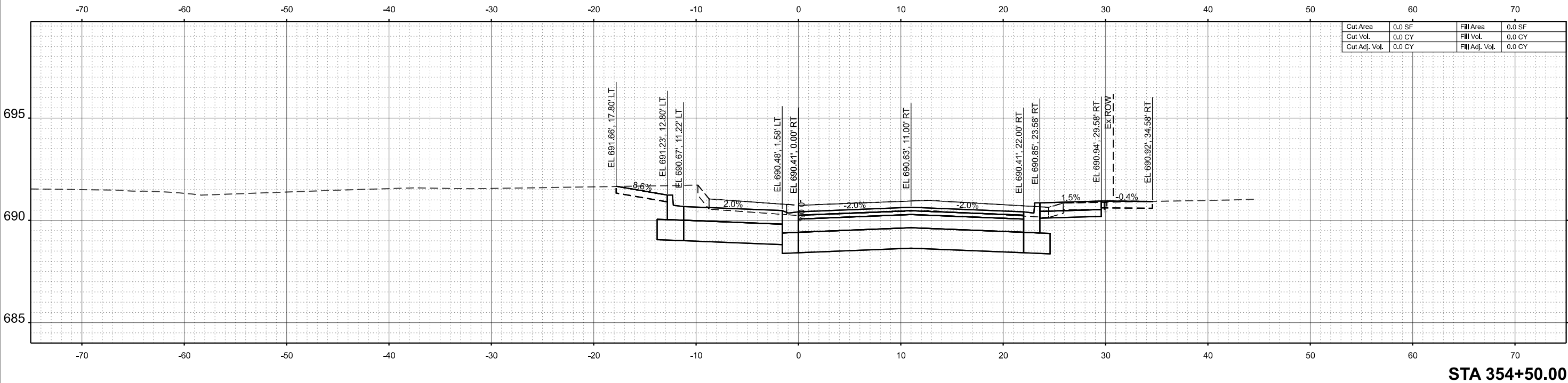
NOTES:

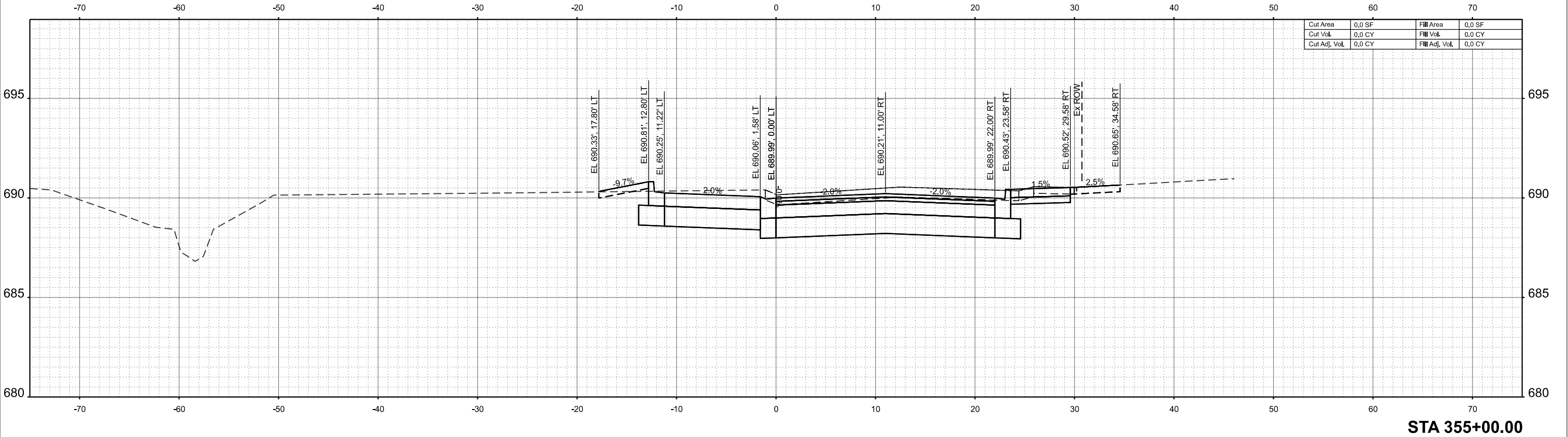
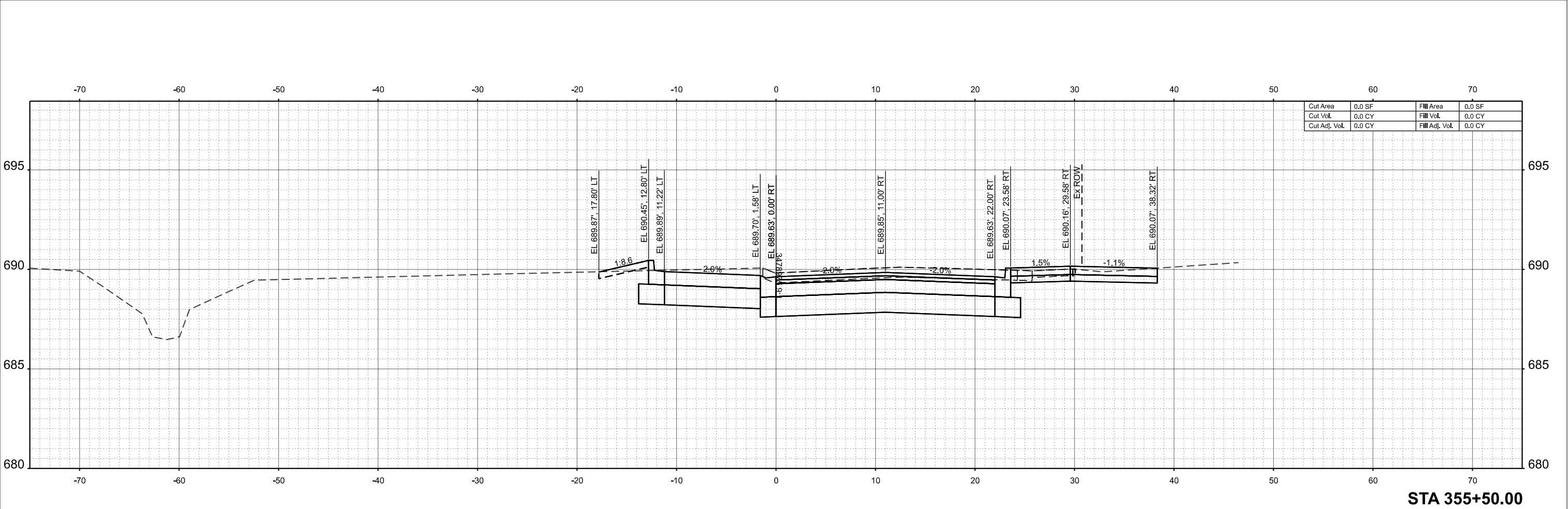
1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

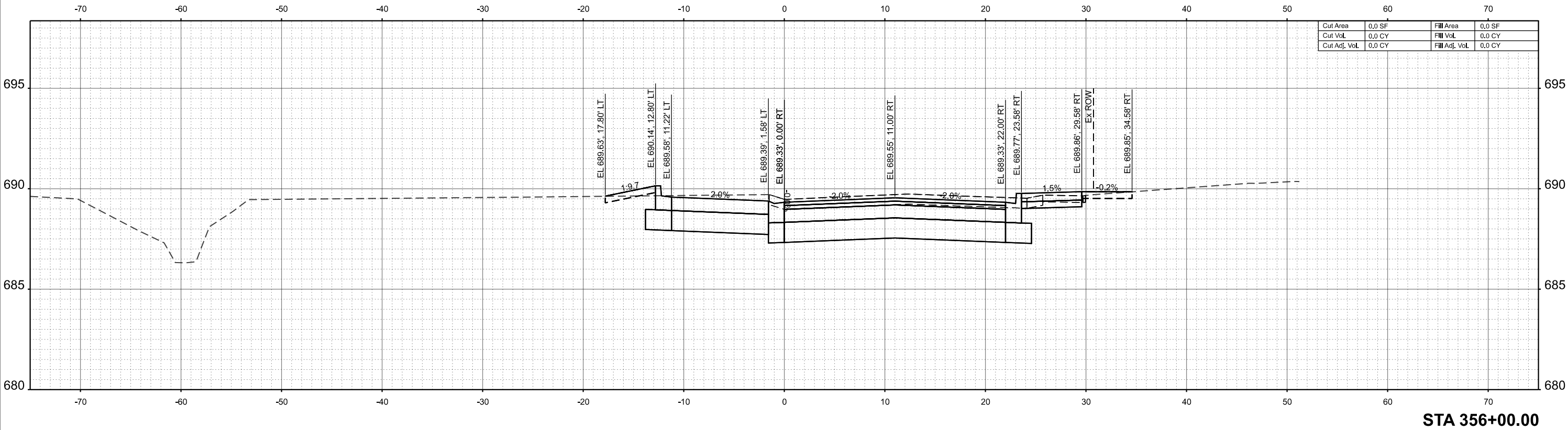
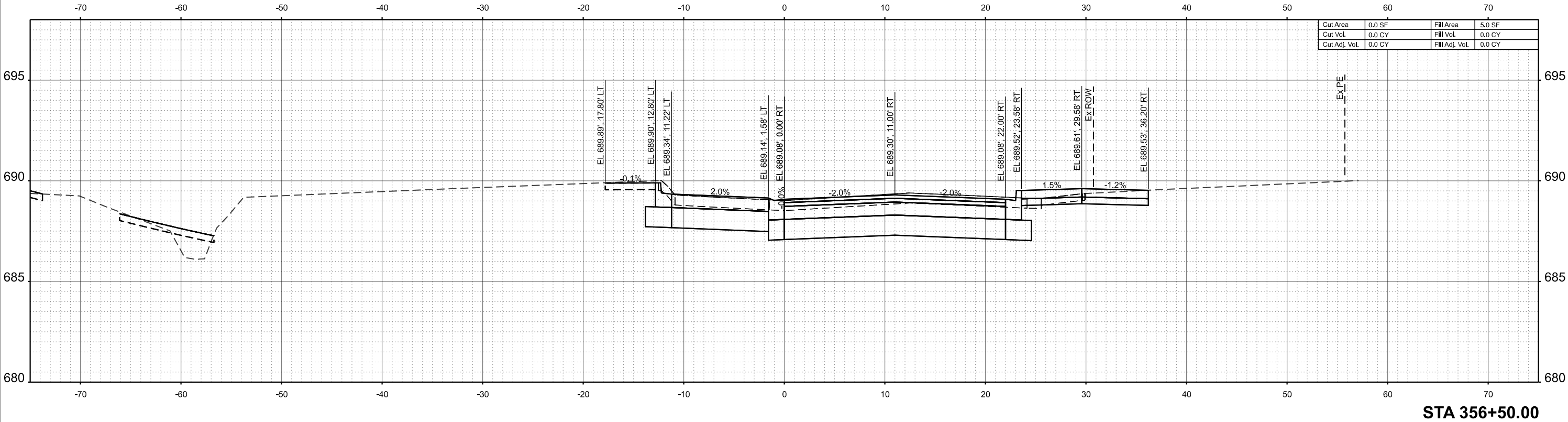
FILE NAME: P:\02-15-07\02-15-07.dwg	USER NAME = leysa	DESIGNED -	REVISED - C. JUCIUS 02-15-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY ENTRANCE SIGNING				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -										
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -		TC-26		CONTRACT NO.						
	PLOT DATE = 8/6/2021	DATE -	REVISED -		SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT					

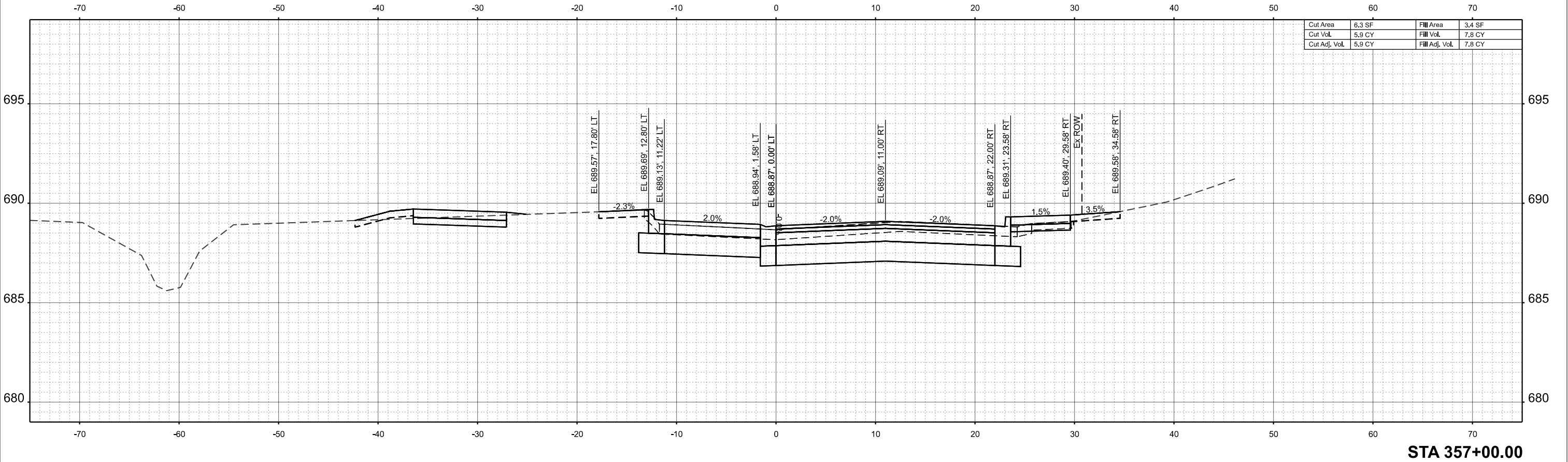
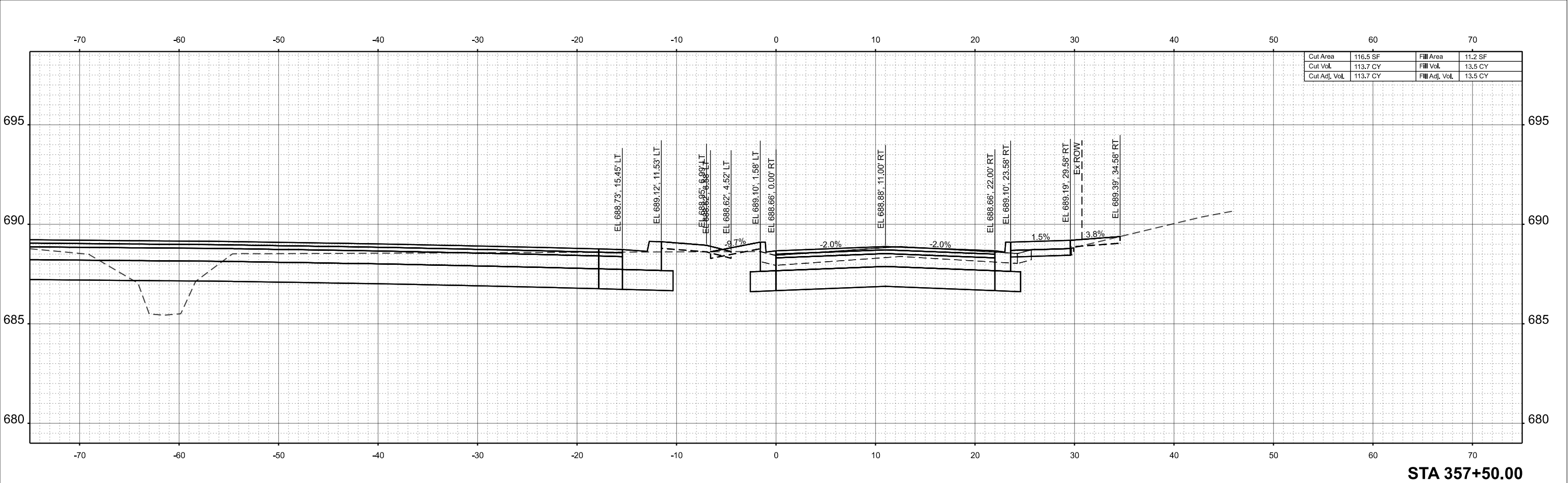
IRGreen.com Inch Professional Design Firm 194-001322	USER NAME = mzuz2lo	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE DETAILS TONNE ROAD				FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -										
	PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -		20-00073-01-PV		COOK	322	173				
	PLOT DATE = 8/5/2025	DATE -	REVISED -		SCALE:	SHEET 13 OF 13 SHEETS	STA. TO STA.	CONTRACT NO. 61K93					

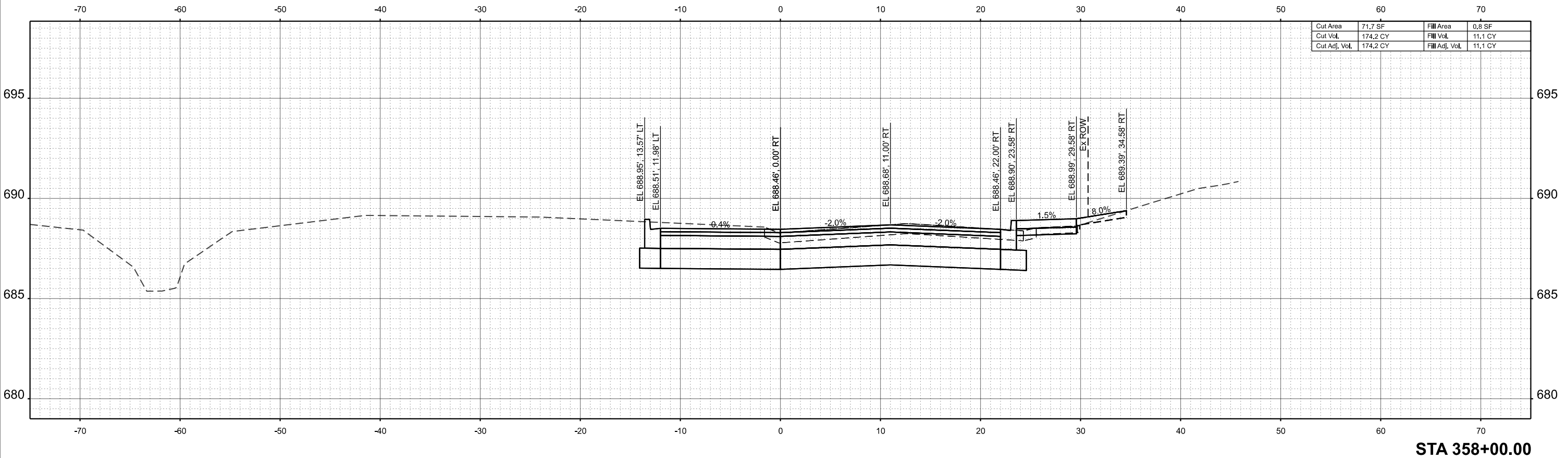


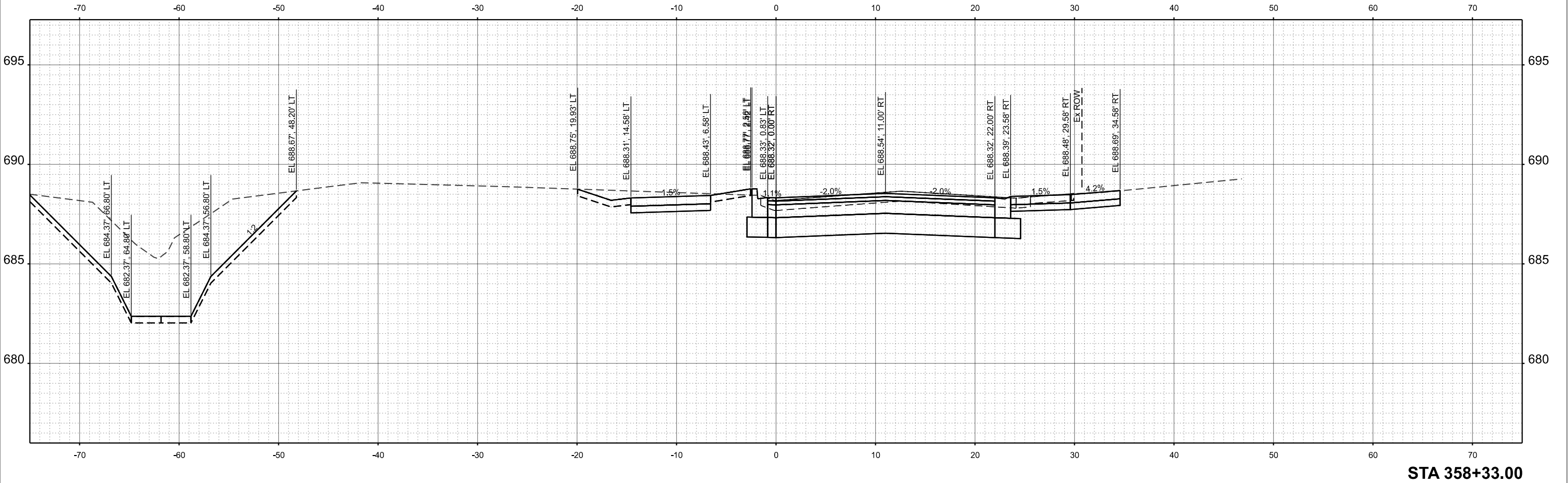
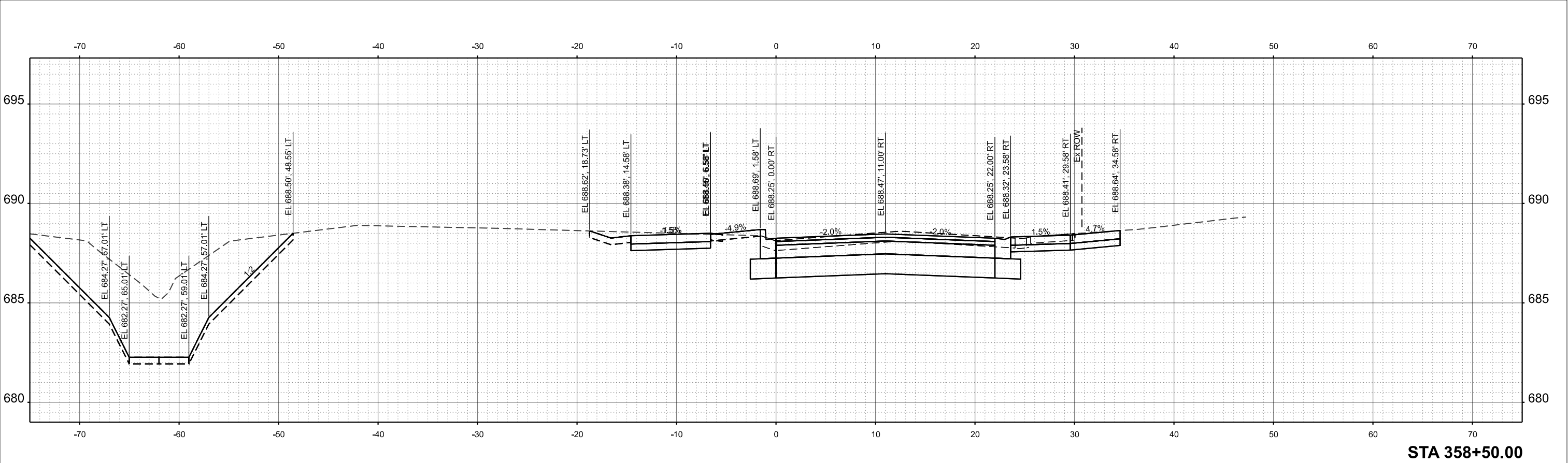


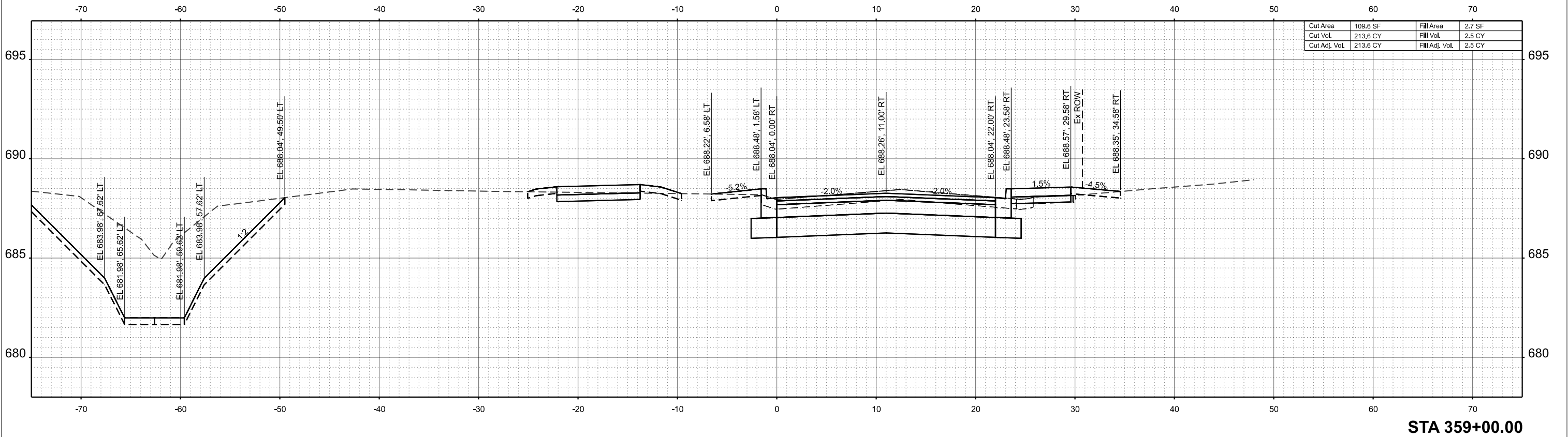
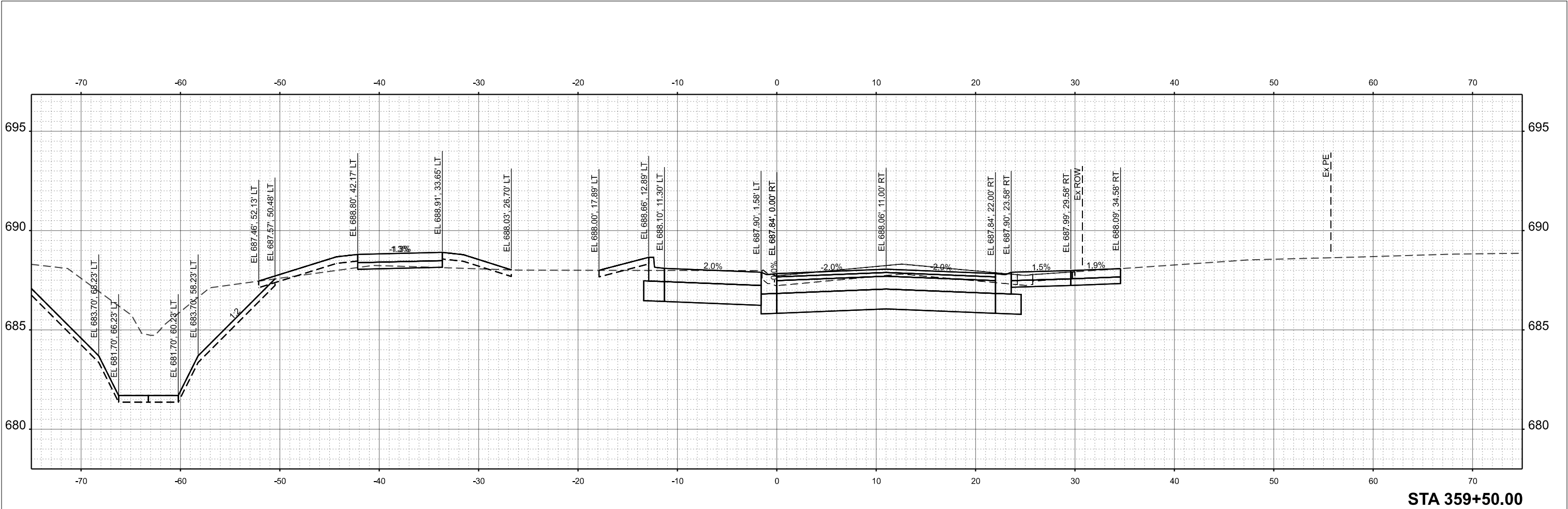




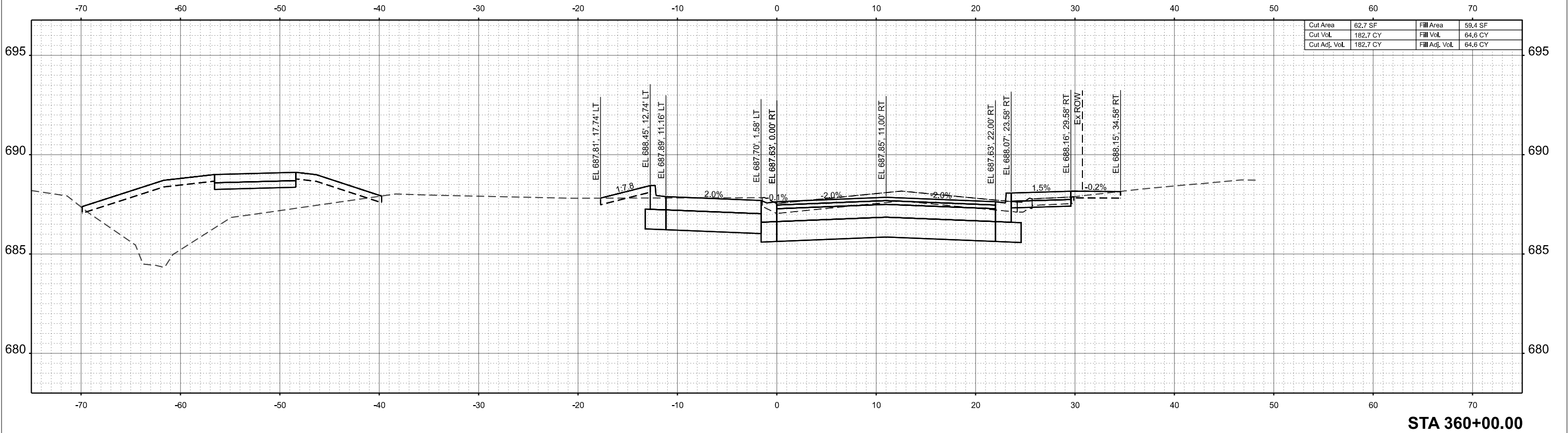
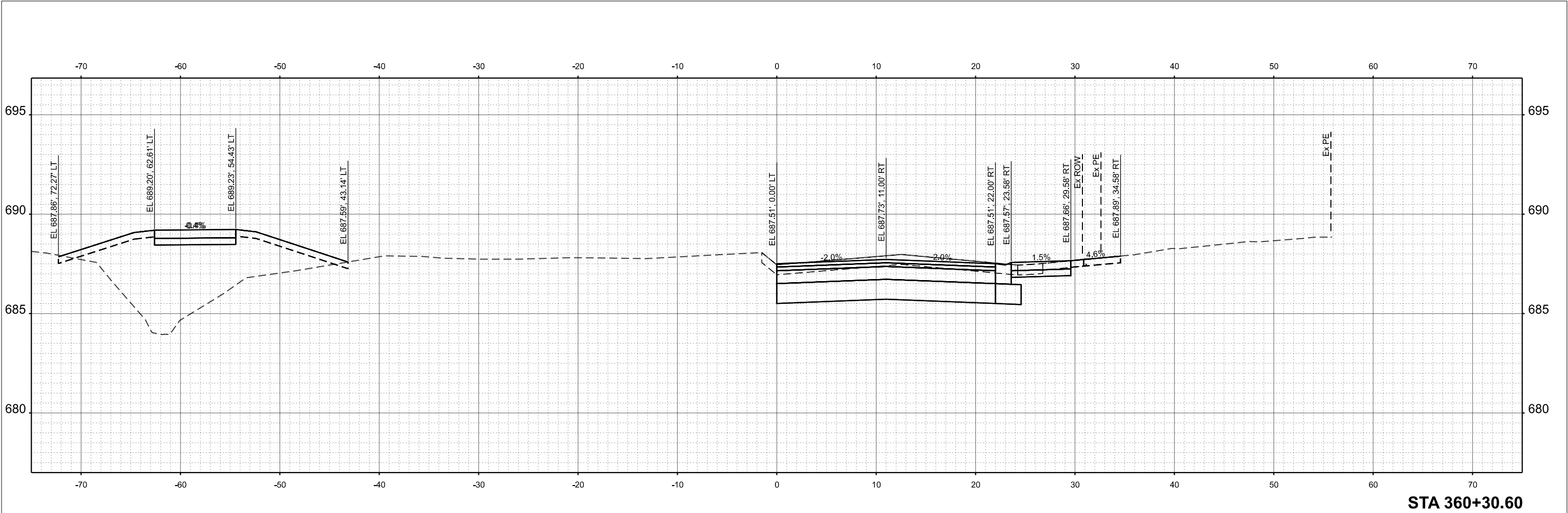




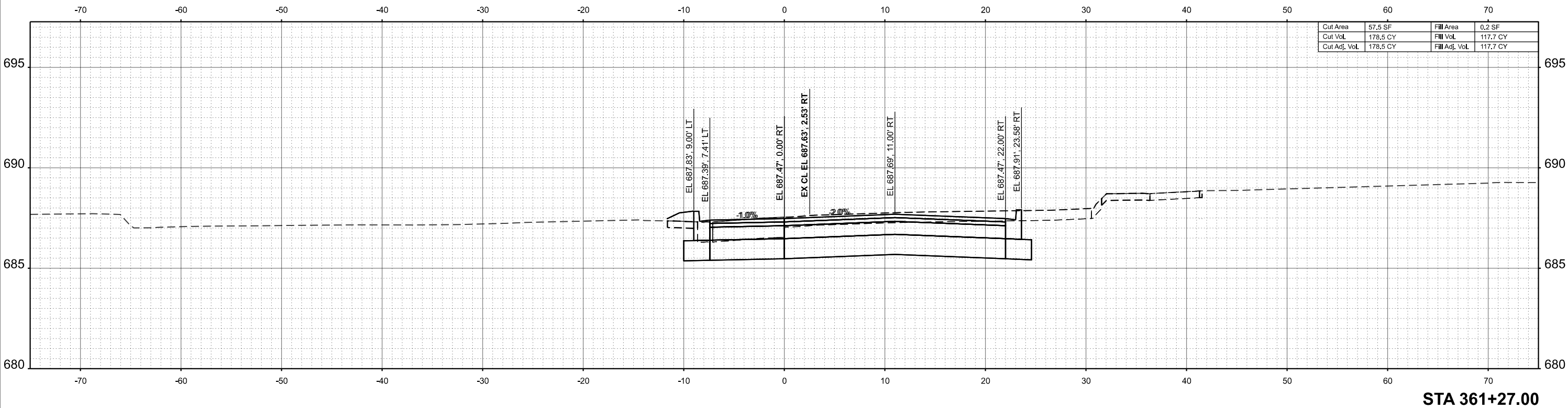
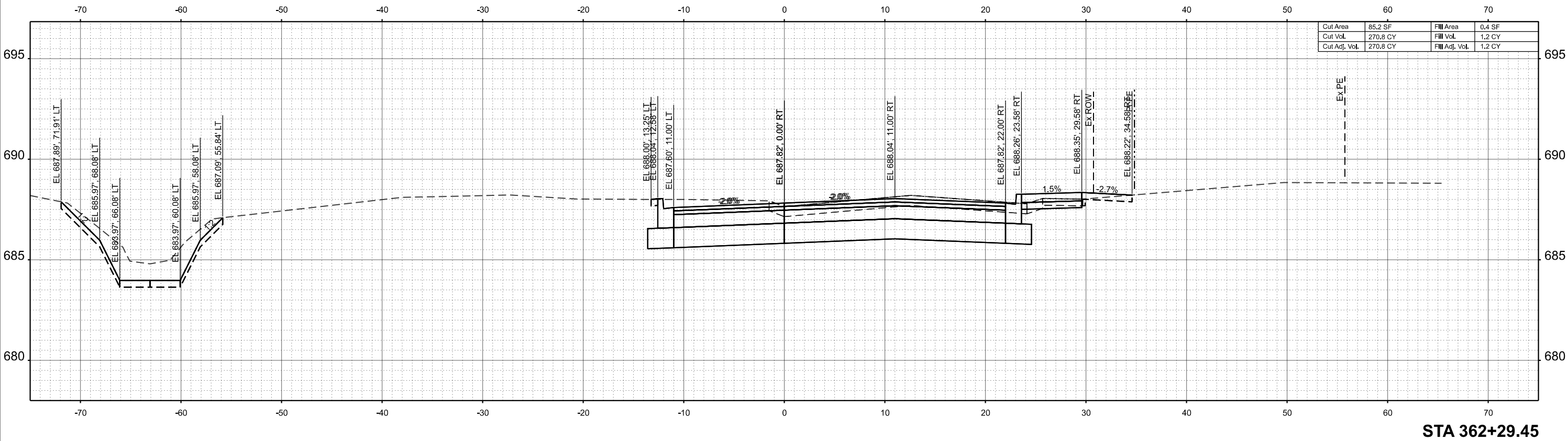


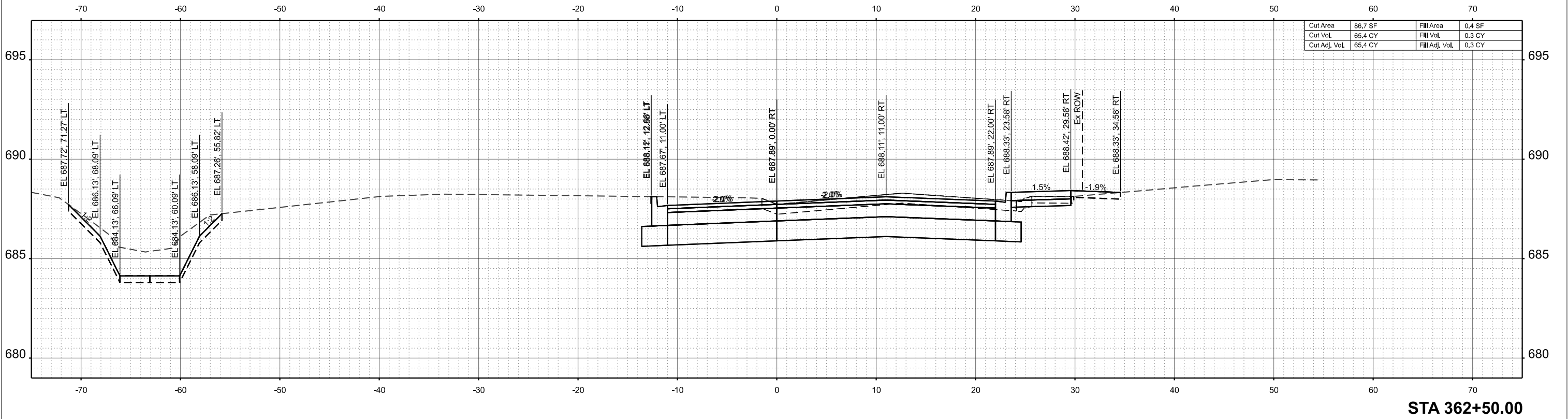
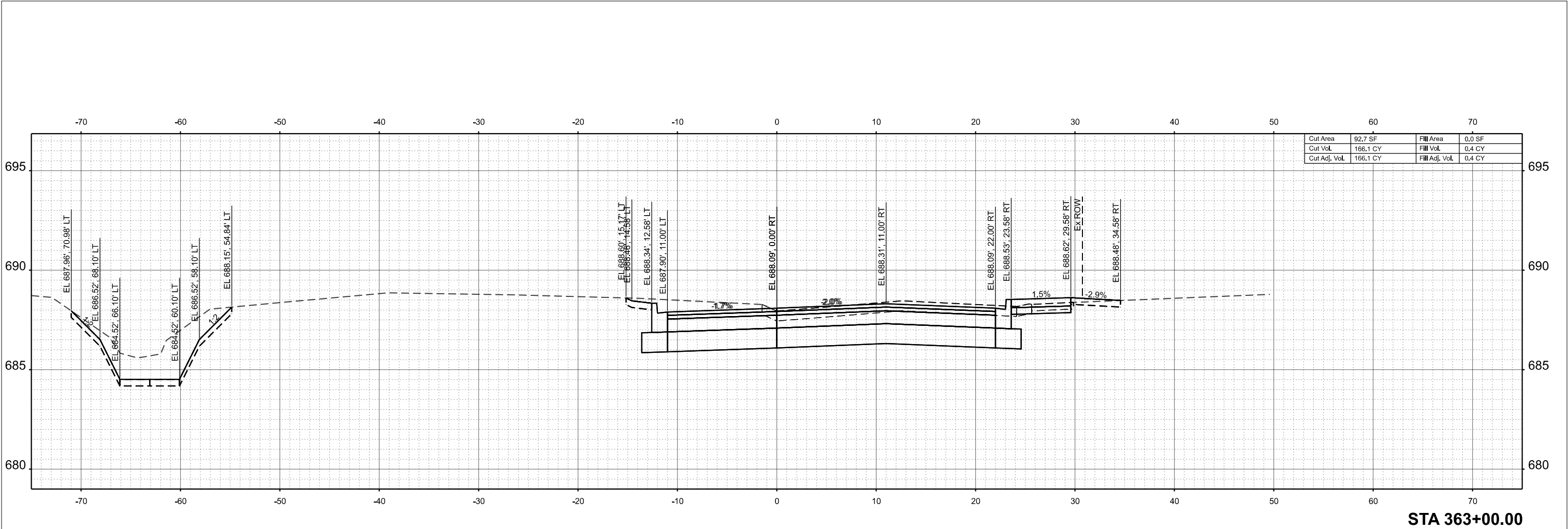


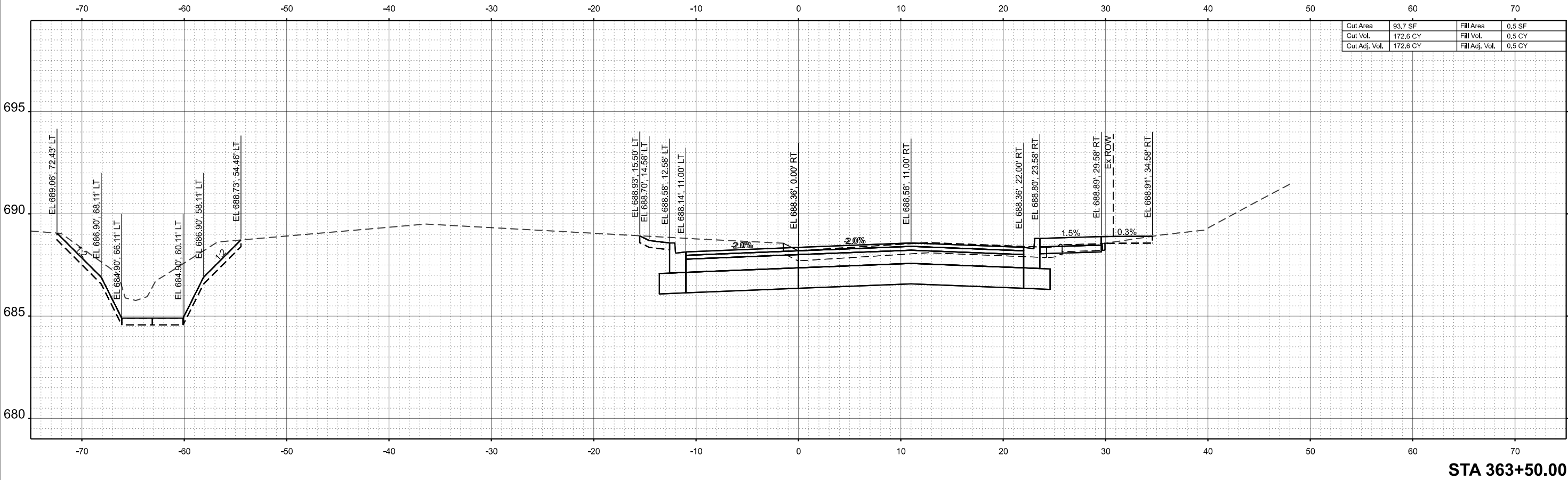
Cut Area	109.6 SF	Fill Area	2.7 SF
Cut Vol.	213.6 CY	Fill Vol.	2.5 CY
Cut Adj. Vol.	213.6 CY	Fill Adj. Vol.	2.5 CY

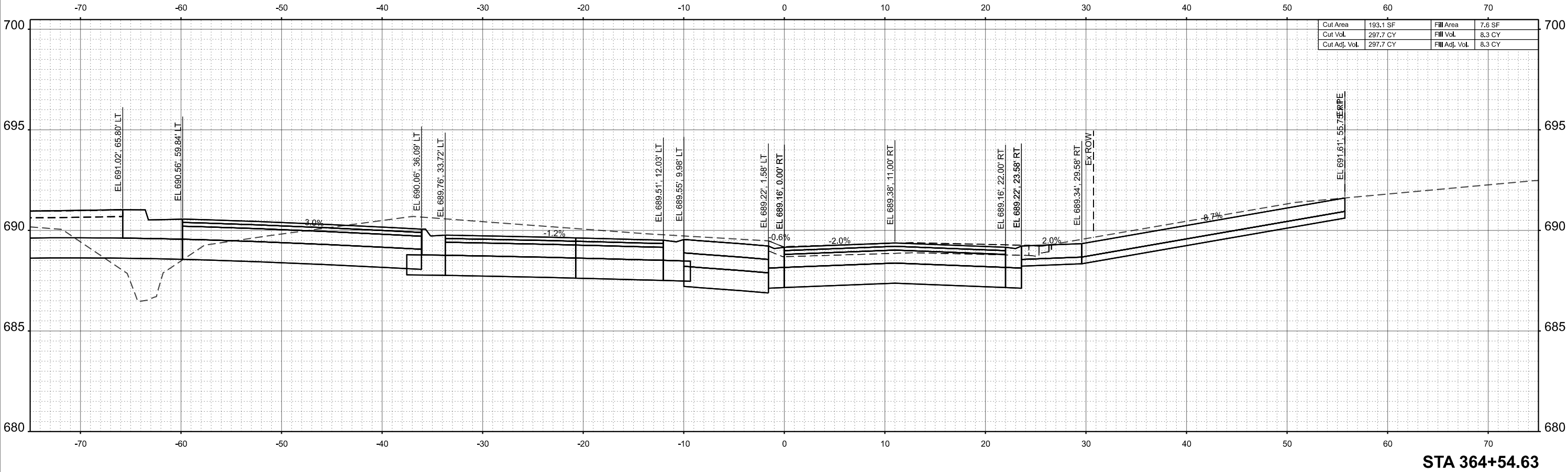


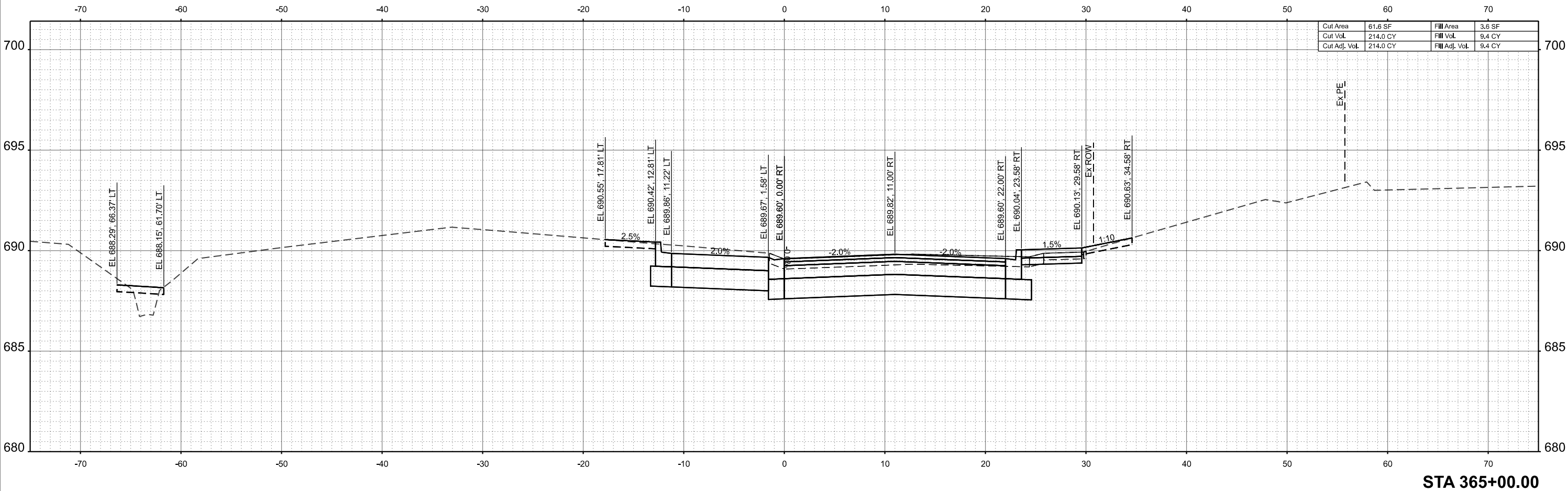
Cut Area	62.7 SF	Fill Area	59.4 SF
Cut Vol.	182.7 CY	Fill Vol.	64.6 CY
Cut Adj. Vol.	182.7 CY	Fill Adj. Vol.	64.6 CY

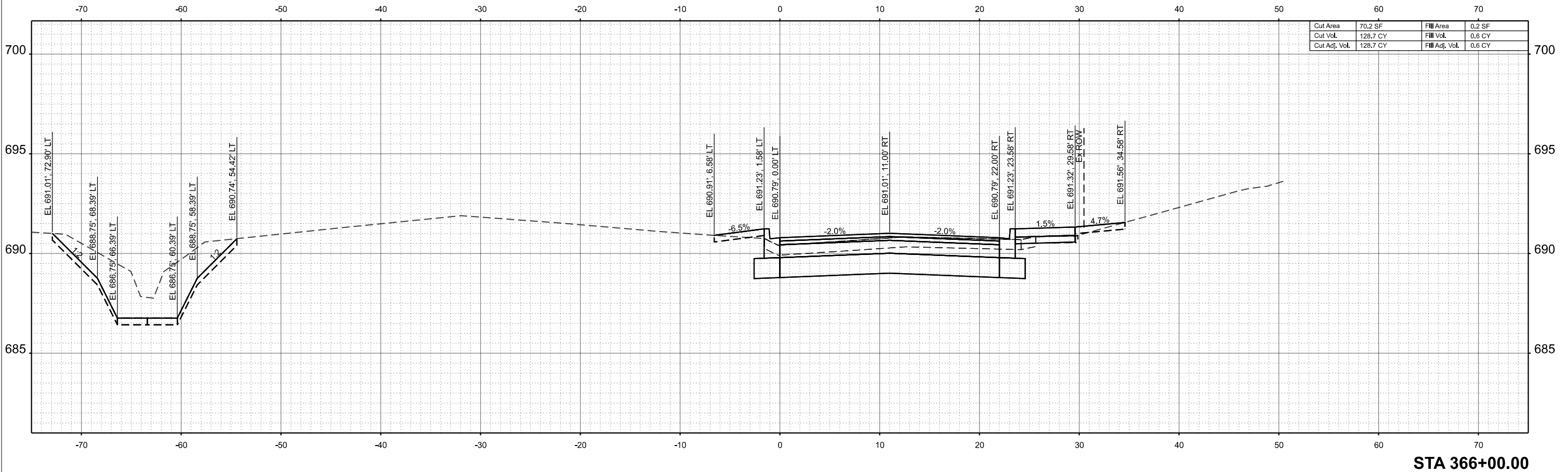




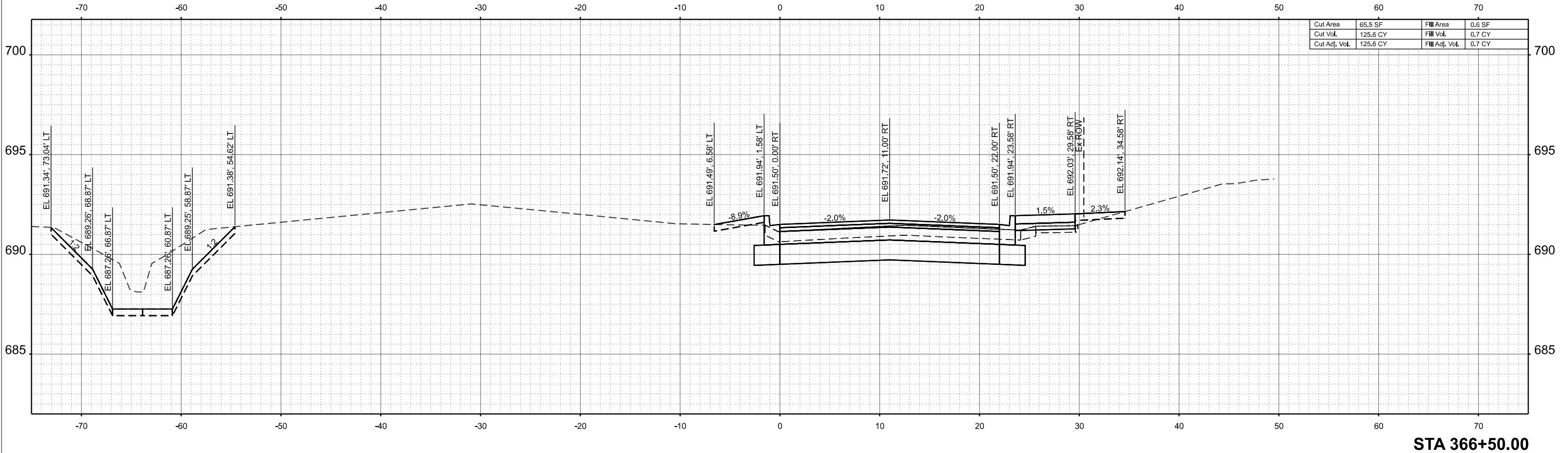


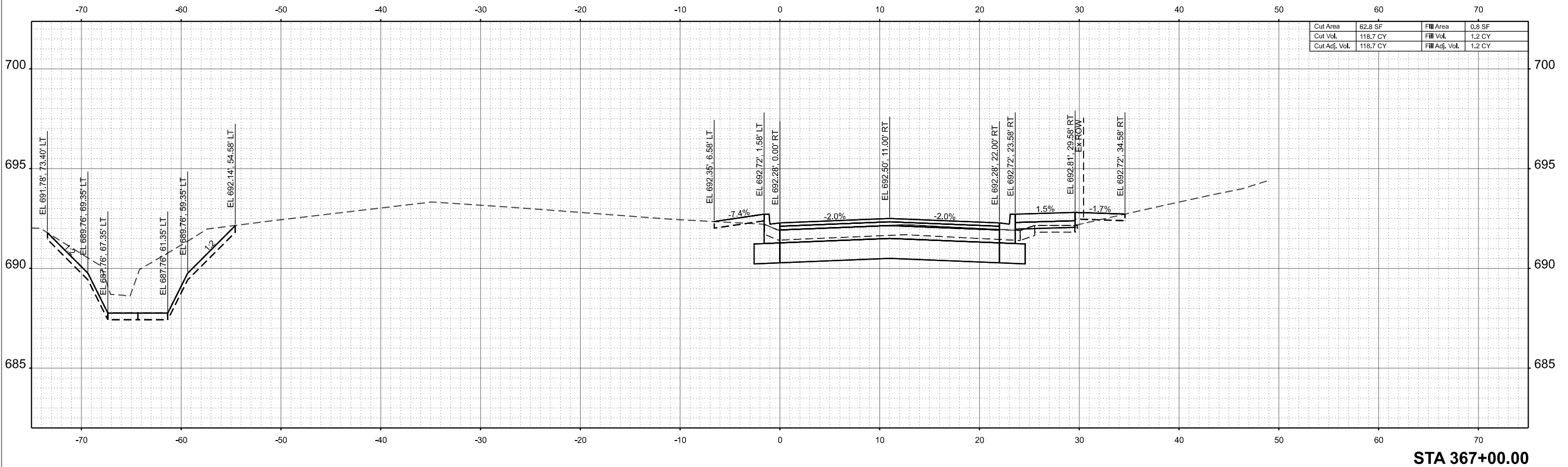


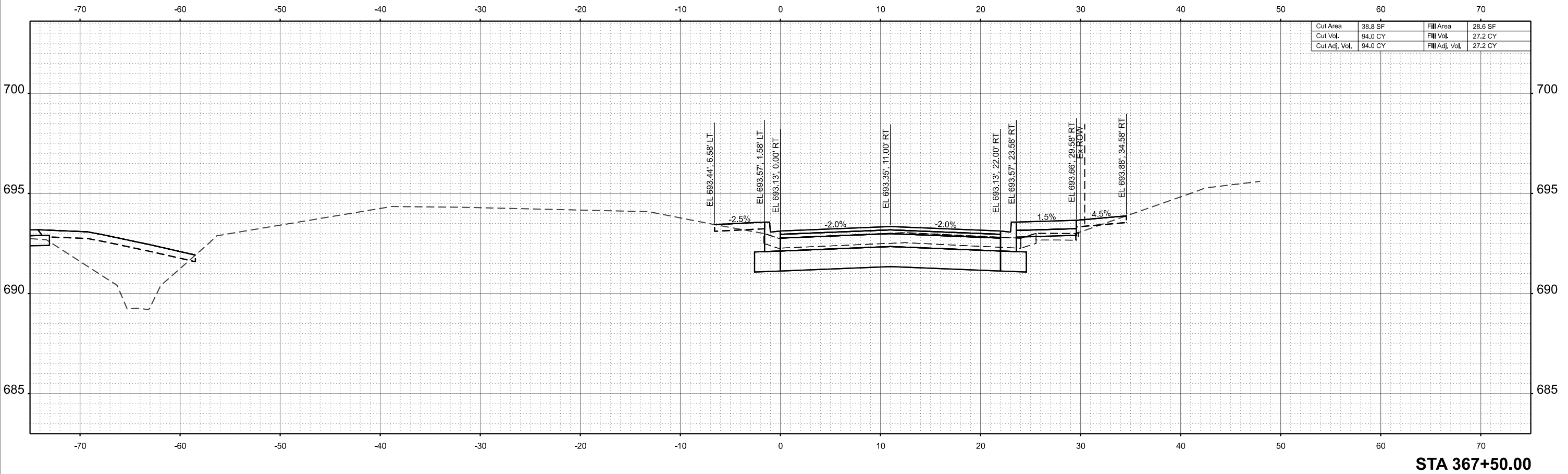




STA 366+00.00

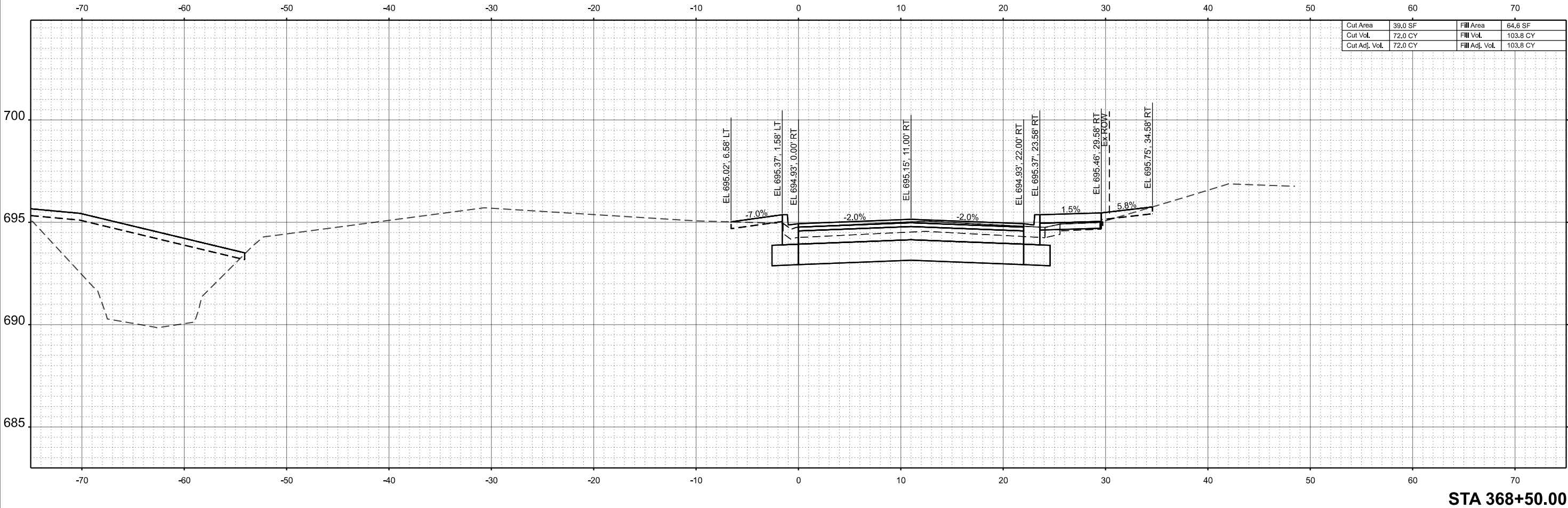
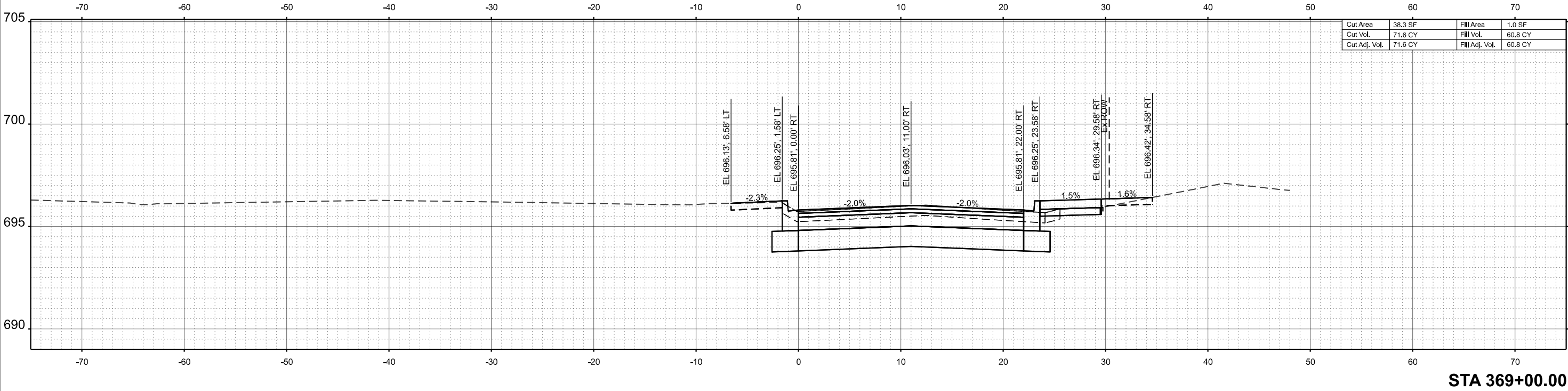


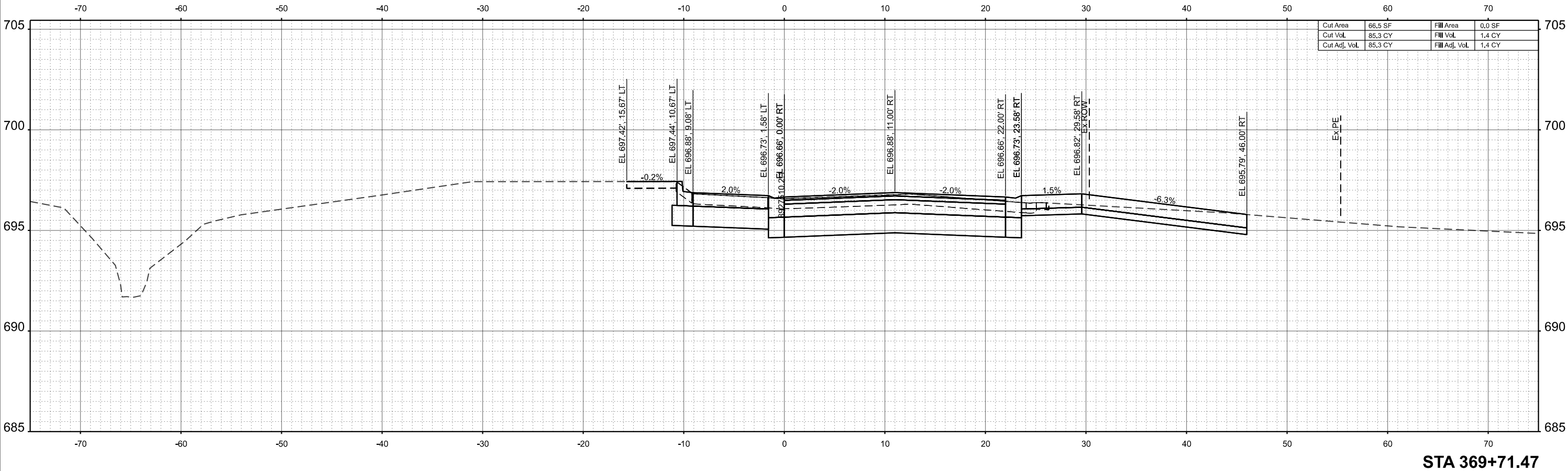




Cut Area	38.8 SF	Fill Area	28.6 SF
Cut Vol.	94.0 CY	Fill Vol.	27.2 CY
Cut Adj. Vol.	94.0 CY	Fill Adj. Vol.	27.2 CY

STA 367+50.00





STA 369+71.47

