

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	1
3857		ILLINOIS	CONTRACT NO. 61J71	
0121				

FOR INDEX OF SHEETS, SEE SHEET NO. 2
 FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

09-20-2024 LETTING ITEM 063

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PLANS FOR PROPOSED FEDERAL AID HIGHWAY VARIOUS ROUTES

SECTION 21-00131-00-SW

CITY OF CRYSTAL LAKE
 MCHENRY COUNTY
 C-91-150-23

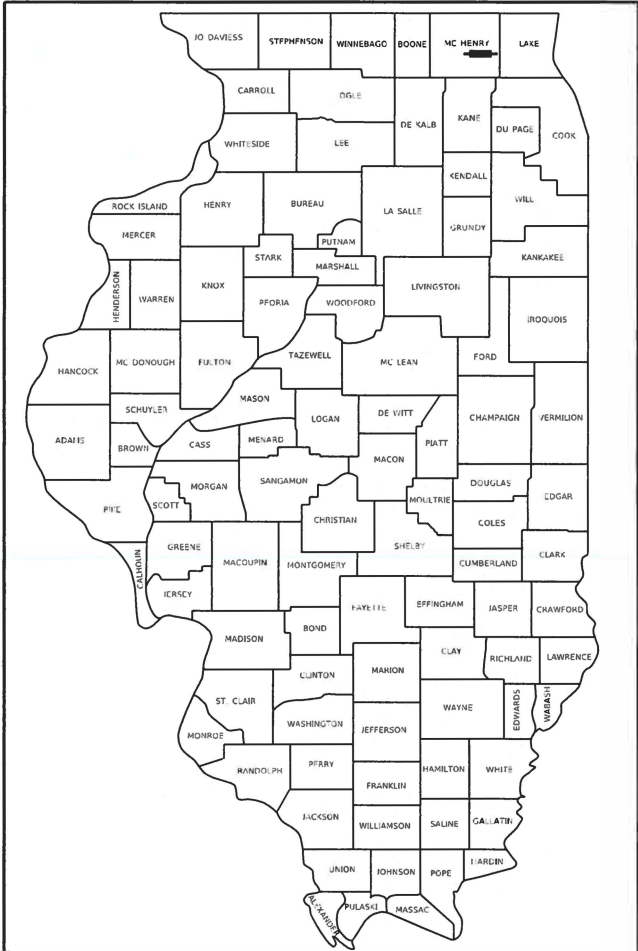
SIDEWALK INSTALLATION, ADA IMPROVEMENTS,
 TRAFFIC SIGNAL UPGRADE

TRAFFIC DATA

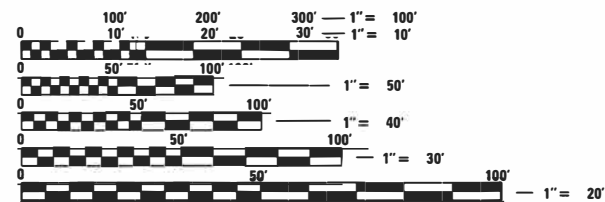
FAU ROUTE 0124
 MAIN STREET – MINOR ARTERIAL
 POSTED SPEED LIMIT: 40 MPH
 2021 ADT 14,200

FAU ROUTE 3857
 CONGRESS PARKWAY – MAJOR COLLECTOR
 POSTED SPEED LIMIT: 30 MPH
 2021 ADT 6,750

FAU ROUTE 0121
 VIRGINIA ROAD – MINOR ARTERIAL
 POSTED SPEED LIMIT: 40 MPH
 2021 ADT 10,200



LOCATION OF SECTION INDICATED THUS: — ■ —



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
 1-800-892-0123 OR 811

GHA GEWALT HAMILTON ASSOCIATES, INC.
 625 Forest Edge Drive ■ Vernon Hills, IL 60061
 TEL 847.478.9700 ■ FAX 847.478.9701

**BEGIN IMPROVEMENT CONGRESS PARKWAY
 STA. 200 + 24.60**

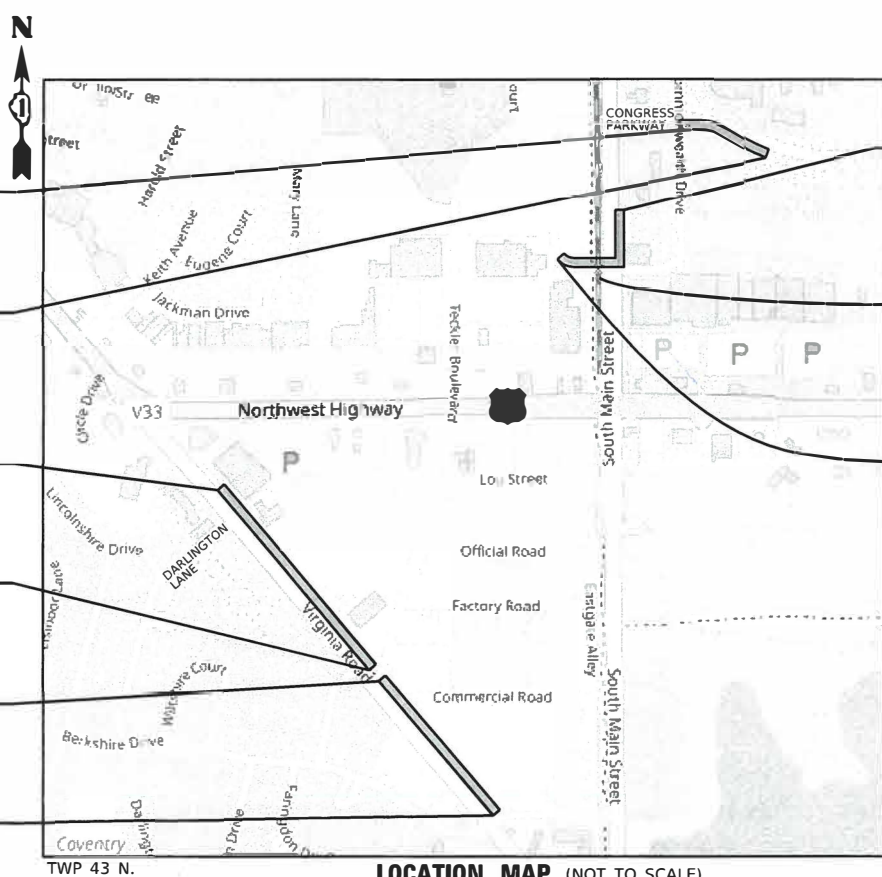
**END IMPROVEMENT CONGRESS PARKWAY
 STA. 204 + 96.63**

**BEGIN IMPROVEMENT VIRGINIA ROAD
 STA. 10 + 07.46**

**BEGIN OMISSION VIRGINIA ROAD
 STA. 24 + 33.95**

**END OMISSION VIRGINIA ROAD
 STA. 25 + 57.21**

**END IMPROVEMENT VIRGINIA ROAD
 STA. 36 + 20.95**



**END IMPROVEMENT MAIN STREET
 STA. 106 + 92.27**

UNION PACIFIC RAILROAD

**BEGIN IMPROVEMENT MAIN STREET
 STA. 100 + 05.78**



SIGNED: *Kevin L. Belgrave*
 KEVIN L. BELGRAVE, P.E., PTOE

DATE: JULY 10, 2024 EXP. 11/30/2025

ROUTE	TYPE	GROSS LENGTH	NET LENGTH
FAU ROUTE 0124	MAIN STREET	3,772.01 FT. = 0.71 MILE	686.49 FT. = 0.13 MILE
FAU ROUTE 3857	CONGRESS PARKWAY	472.03 FT. = 0.09 MILE	472.03 FT. = 0.09 MILE
FAU ROUTE 0121	VIRGINIA ROAD	2,613.49 FT. = 0.49 MILE	2,490.23 FT. = 0.47 MILE
TOTAL		GROSS LENGTH = 6,857.53 FT. = 1.30 MILE	NET LENGTH = 1,658.75 FT. = 0.31 MILE

CONTRACT NO. 61J71

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

APPROVED: *[Signature]*
 CITY ENGINEER
 CITY OF CRYSTAL LAKE

PASSED: *[Signature]*
 DISTRICT ONE ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW: *[Signature]*
 REGIONAL ENGINEER

**PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS**

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, PE, SCHAUMBURG, IL

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HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CORNER FOR SIDEWALKS
424026-03	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
602301-04	INLET-TYPE A
604036-03	GRATE TYPE 8
604051-04	FRAME AND GRATE TYPE 11
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5m) AWAY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 3L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-09	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING SIGN SUPPORT

DISTRICT 1 DETAILS

BD-07	DETAILS FOR STORM SEWER CONNECTION TO EXISTING SEWER
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE PERFORMED ACCORDING TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1 2022, THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1 2024, THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" LATEST EDITION, THE DETAILS IN THESE PLANS, THE CONTRACT DOCUMENTS, ALL APPLICABLE REQUIREMENTS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, THE IEPA AND ORDINANCES OF AUTHORITIES HAVING JURISDICTION AND ALL ADDENDA THERETO.

2. EASEMENTS FOR THE EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE AND UTILITIES WITHIN PUBLIC RIGHTS-OF-WAY ARE SHOWN ON THE PLANS ACCORDING TO AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION IN THE FIELD OF THESE UTILITY LINES AND THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.

3. WHENEVER, DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, DITCHES, ETC. SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL WILL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS.

4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE PRIOR TO ORDERING MATERIALS. IN ADDITION, THE CONTRACTOR MUST VERIFY THE LINE AND GRADES. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTION FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSION OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTION, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS/HER OWN RISK.

5. ALL PAVEMENT DIMENSIONS ARE SHOWN TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

6. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 72 HOURS PRIOR TO BEGINNING WORK.

7. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE DIRECTED BY THE ENGINEER.

8. IF DURING CONSTRUCTION THE CONTRACTOR ENCOUNTERS OR OTHERWISE BECOMES AWARE OF ANY SEWERS OR UNDERDRAINS OTHER THAN THOSE SHOWN ON THE PLANS, HE/SHE SHALL INFORM THE ENGINEER, WHO SHALL DIRECT THE WORK NECESSARY TO MAINTAIN OR REPLACE THE FACILITIES IN SERVICE AND TO PROTECT THEM FROM DAMAGE DURING CONSTRUCTION IF MAINTAINED. EXISTING FACILITIES TO BE MAINTAINED THAT ARE DAMAGED BECAUSE OF NON-COMPLIANCE WITH THIS PROVISION SHALL BE REPLACED.

9. THE CONTRACTOR SHALL PROVIDE TEMPORARY TOILET FACILITIES AND HAND SANITIZING STATIONS FOR THE USE OF ALL THE CONTRACTORS PERSONNEL EMPLOYED ON THE WORK SITE. THE FACILITIES SHALL BE MAINTAINED IN PROPER SANITARY CONDITION THROUGHOUT THE PROJECT. THE LOCATION OF THE TEMPORARY FACILITIES SHALL BE APPROVED BY THE ENGINEER.

10. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE NPDES PERMIT AND SWPPP MANUAL. IF NO NPDES PERMIT OR SWPPP MANUAL IS NEEDED FOR THE PROJECT THE CONTRACTOR SHALL PERFORM SOIL EROSION SEDIMENT CONTROL BEST PRACTICES OR AS DIRECTED BY THE OWNER TO PREVENT ILLICIT DISCHARGES FROM THE SITE.

11. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR VIA EMAIL AT KALPANA.KANNAH-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

12. THE CONTRACTOR SHALL CONTACT MCHENRY COUNTY DIVISION OF TRANSPORTATION VIA PHONE AT (815) 334-4690 IN ADVANCE OF BEGINNING WORK ALONG VIRGINIA ROAD.

13. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE WITH THE UNION PACIFIC RAILROAD WHENEVER CONSTRUCTION ACTIVITY IS WITHIN 25 FEET OF THE RAILROAD ROW. THE CONTRACTOR SHALL RETAIN FLAGMEN EMPLOYED AND DESIGNATED BY THE UNION PACIFIC RAILROAD TO MONITOR ON-COMING TRAIN TRAFFIC, AND ADVISE CONTRACTOR PERSONNEL WHEN ACTIVITY ON OR NEAR THE RAILROAD RIGHT-OF-WAY MAY PROCEED. THIS ITEM WILL BE PAID FOR ACCORDING TO ARTICLE 107.12 AND WILL BE REIMBURSED ACCORDING TO ARTICLE 109.05.

14. CONTRACTOR SHALL FIELD VERIFY SIDEWALK CONNECTIONS AT TECKLER BLVD AND BERKSHIRE DR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL MATCH INTO FLASHING YELLOW ARROW RAMP WORK THAT WAS INSTALLED PRIOR TO THIS CONTRACT IN ACCORDANCE WITH ADA PROWAG.

UTILITY NOTES

1. UNDERGROUND WORK SHALL INCLUDE TRENCHING, DISPOSAL OF EXCESS MATERIAL, DEWATERING, INSTALLATION OF PIPE, CASTINGS, STRUCTURES, BACKFILLING OF TRENCHES AND COMPACTION, AND TESTING AS SHOWN ON THE CONSTRUCTION PLANS. ALL SEWER SHALL BE INSTALLED USING A LASER AND BEGIN AT THE DOWNSTREAM END.

2. MACHINE CORE ALL CONNECTIONS TO EXISTING STRUCTURES USING A CORE DRILL. HAMMERING OR SAWING OF STRUCTURES WILL NOT BE ALLOWED.

3. ALL CONNECTIONS TO EXISTING OR DISSIMILAR STORM/SANITARY LINES SHALL BE DONE WITH STAINLESS STEEL NON-SHEAR COUPLINGS.

4. STONE BEDDING AND BACKFILL SHALL BE OMITTED FOR A DISTANCE OF 15 FEET UP AND DOWNSTREAM OF SEWERS DRAINING TO OR FROM PONDS OR STREAMS. THE REPLACED BEDDING SHALL BE SILTY CLAY SOIL MECHANICALLY COMPACTED TO 90% MODIFIED PROCTOR DENSITY. THE USE OF PERMEABLE SOILS WILL NOT BE PERMITTED.

FILE NAME =	USER NAME = DOHesak	DESIGNED - KLB	REVISED -
5423-130-sht-genenote 1.dgn		DRAWN - DGO	REVISED -
5423.13	PLOT SCALE = 1:2	CHECKED - KLB	REVISED -
Default	PLOT DATE = 7/1/2024	DATE - 7/10/2024	REVISED -

INDEX OF SHEETS, LISTING OF APPLICABLE STANDARDS, GENERAL NOTES					
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	21-00131-00-SW	MCHENRY	97	2	
			CONTRACT NO. 61171		
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.	TO STA.		
		ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

CONSTRUCTION CODE

90% STATE / 10% CITY OF
CRYSTAL LAKE
0028

* CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
* 20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	16	16
* 20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	46	46
* 20101100	TREE TRUNK PROTECTION	EACH	17	17
* 20101200	TREE ROOT PRUNING	EACH	17	17
* 20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	3	3
* 20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	14	14
20200100	EARTH EXCAVATION	CU YD	762	762
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	2,188	2,188
* 25000210	SEEDING, CLASS 2A	ACRE	0.50	0.50
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	41	41
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	41	41
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	41	41
* 25100630	EROSION CONTROL BLANKET	SQ YD	2,188	2,188
* 25200200	SUPPLEMENTAL WATERING	UNIT	5	5
28000400	PERIMETER EROSION BARRIER	FOOT	1,344	1,344
28000510	INLET FILTERS	EACH	30	30

* SPECIALTY ITEM



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DATE - 7/10/2024

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
CITY OF CRYSTAL LAKE, ILLINOIS**

SCALE: NONE SHEET 1 OF 5 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00131-00-SW	MCHENRY	97	3
			CONTRACT NO. 61171	
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CONSTRUCTION CODE

90% STATE / 10% CITY OF
CRYSTAL LAKE
0028

* CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0028
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	2,680	2,680
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	52	52
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	74	74
40604060	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50	TON	55	55
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	71	71
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	31	31
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	18,503	18,503
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	1,671	1,671
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	301	301
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	309	309
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	710	710
44000600	SIDEWALK REMOVAL	SQ FT	2,679	2,679
* 50901760	PIPE HANDRAIL	FOOT	52	52
* 56400100	FIRE HYDRANTS TO BE MOVED	EACH	3	3
* 56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	1	1
60256700	MANHOLES TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	EACH	1	1

* SPECIALTY ITEM



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
CITY OF CRYSTAL LAKE, ILLINOIS**

SCALE: NONE SHEET 2 OF 5 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00131-00-SW	MCHENRY	97	4
			CONTRACT NO.	61171
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CONSTRUCTION CODE

90% STATE / 10% CITY OF
CRYSTAL LAKE
0028

* CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0028
60266600	VALVE BOXES TO BE ADJUSTED	EACH	4	4
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	329	329
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	388	388
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	683	683
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	10	10
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	10	10
67100100	MOBILIZATION	LSUM	1	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1	1
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	LSUM	1	1
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	LSUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1	1
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	490	490
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	25	25

* SPECIALTY ITEM



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
CITY OF CRYSTAL LAKE, ILLINOIS**

SCALE: NONE SHEET 3 OF 5 SHEETS STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00131-00-SW	MCHENRY	97	5
CONTRACT NO.			61171	
ILLINOIS FED. AID PROJECT				

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0028

* CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0028
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	131	131
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	488	488
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	502	502
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2	2
* 89502200	MODIFY EXISTING CONTROLLER	EACH	1	1
* 89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1	1
* 89502376	REBUILD EXISTING HANDHOLE	EACH	1	1
* A2001720	TREE, ACER SACCHARUM (SUGAR MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	1	1
* A2002920	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	2
X0327036	BIKE PATH REMOVAL	SQ YD	42	42
X2010510	CLEARING AND GRUBBING	LSUM	1	1
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	10	10
X4240800	DETECTABLE WARNINGS (SPECIAL)	SQ FT	240	240
X6640104	FENCE REMOVAL	FOOT	6	6
* X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2	2

* SPECIALTY ITEM



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
CITY OF CRYSTAL LAKE, ILLINOIS**

SCALE: NONE SHEET 4 OF 5 SHEETS STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00131-00-SW	MCHENRY	97	6
			CONTRACT NO. 61171	
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SUMMARY OF QUANTITIES

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90% STATE / 10% CITY OF
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* CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0028
Z0004538	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"	SQ YD	142	142
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1
Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	19	19
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	294	294
* Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1	1
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	LSUM	1	1
Z0051500	REMOVING AND RESETTING STREET SIGNS	EACH	6	6

* SPECIALTY ITEM



MODEL: Default
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5423.13	
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DRAWN - DGO	REVISED -
CHECKED - KLB	REVISED -
DATE - 7/10/2024	REVISED -

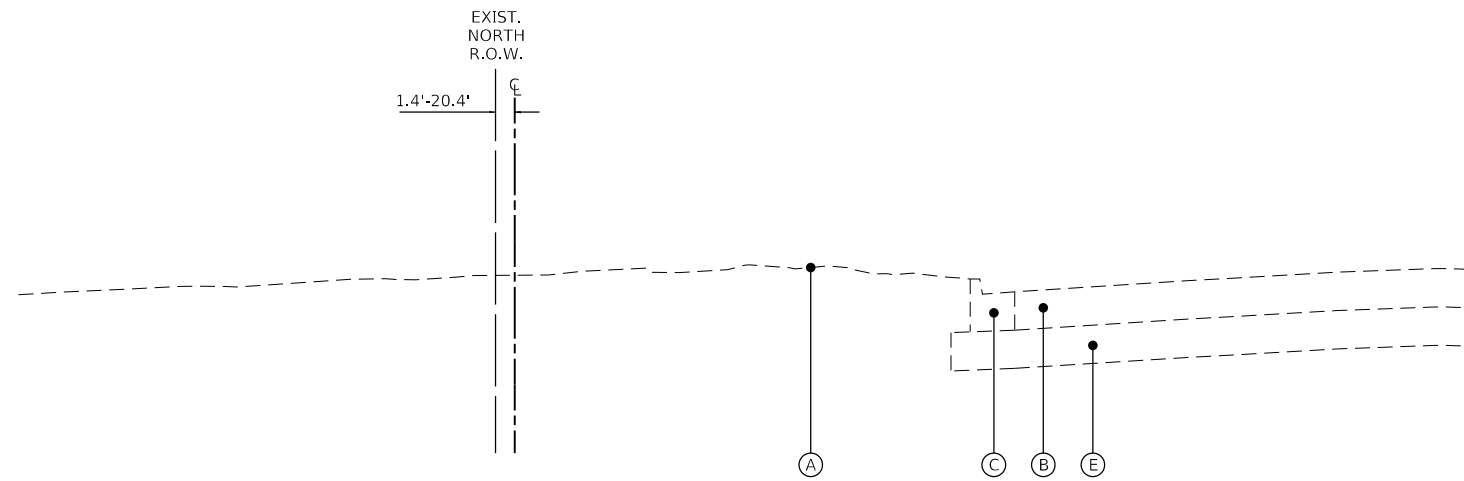
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CHECKED - KLB	REVISED -
DATE - 7/10/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
CITY OF CRYSTAL LAKE, ILLINOIS**

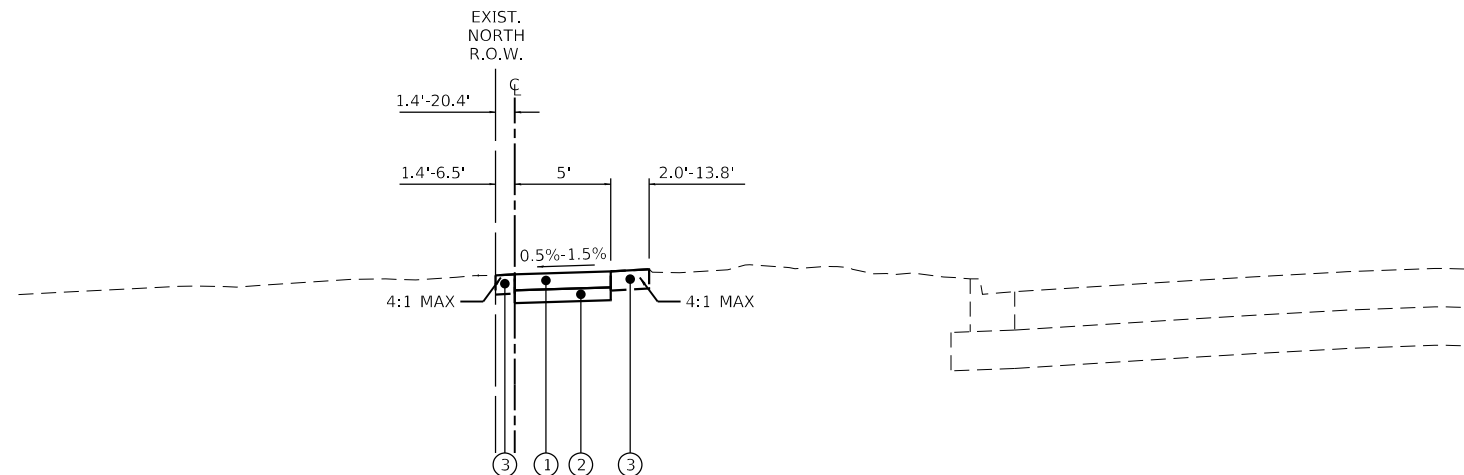
SCALE: NONE SHEET 5 OF 5 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00131-00-SW	MCHENRY	97	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61171	



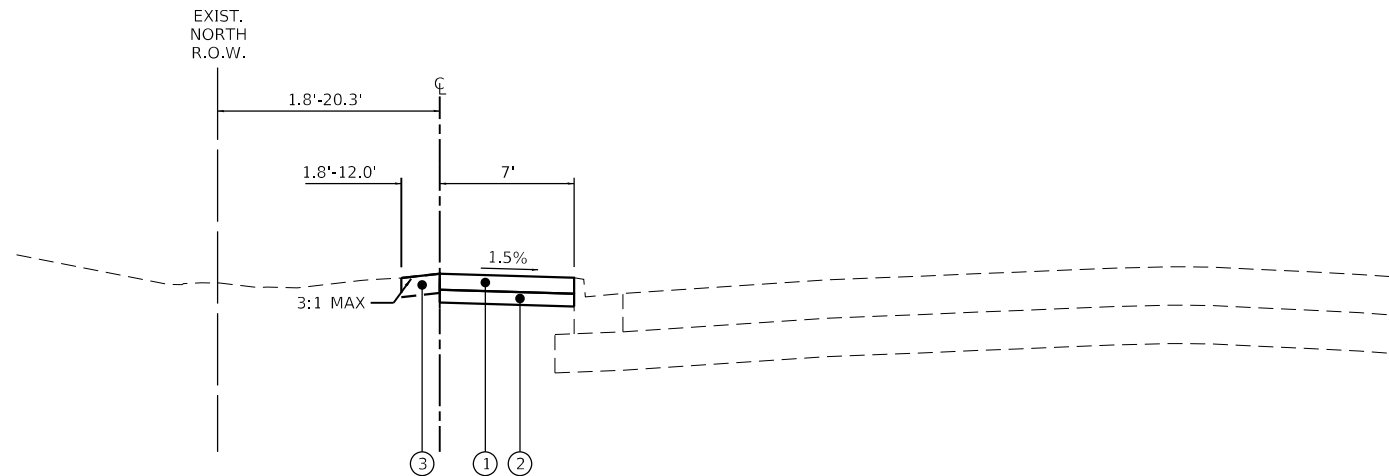
**VIRGINIA STREET
EXISTING TYPICAL SECTION**

STA. 10+07 TO STA. 24+34
STA. 25+57 TO STA. 36+21



**VIRGINIA STREET
PROPOSED TYPICAL SECTION**

STA. 10+07 TO STA. 24+34
STA. 27+31 TO STA. 29+57
STA. 30+25 TO STA. 31+91



**VIRGINIA STREET
PROPOSED TYPICAL SECTION**

STA. 25+57 TO STA. 27+31
STA. 29+57 TO STA. 30+25
STA. 31+91 TO STA. 36+21

NOTE:
6' CARRIAGE WALK FROM STA. 31+91.40 TO STA. 36+20.95

LEGEND

- (A) EXISTING GROUND SURFACE
- (B) EXISTING HMA PAVEMENT
- (C) EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- (D) EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- (E) EXISTING AGGREGATE BASE
- (1) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- (2) AGGREGATE BASE COURSE, TYPE B 4"
- (3) TOPSOIL FURNISH AND PLACE, 6" SEEDING, CLASS 2A EROSION CONTROL BLANKET

NOTE:
SIDE CURB SHALL BE PAID FOR AS P.C.C. SIDEWALK 5" PAY ITEM.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
COMMERCIAL DRIVEWAYS (HMA DRIVEWAY PAVEMENT 10")		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL 9.5, N50; 2"	4% @ 50 Gyr.	LR1030-2
HMA BINDER COURSE IL-19.0 N50; 8"	4% @ 50 Gyr.	LR1030-2
DRIVEWAY RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL 9.5, N50; 3" (IN TWO LIFTS)	4% @ 50 Gyr.	LR1030-2
BIKE PATH		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL 9.5, N50; 3" (IN TWO LIFTS)	4% @ 50 Gyr.	LR1030-2
INCIDENTAL HOT-MIX ASPHALT SURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL 9.5, N50; 2"	4% @ 50 Gyr.	LR1030-2
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR1030-2		

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ.YD./IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE AC TYPE SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

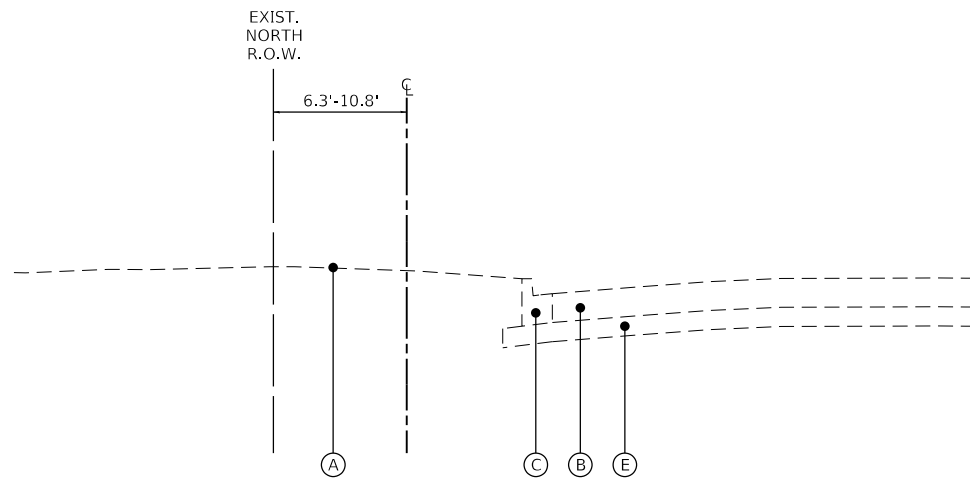
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Default	PLOT DATE = 7/1/2024	DATE - 7/10/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

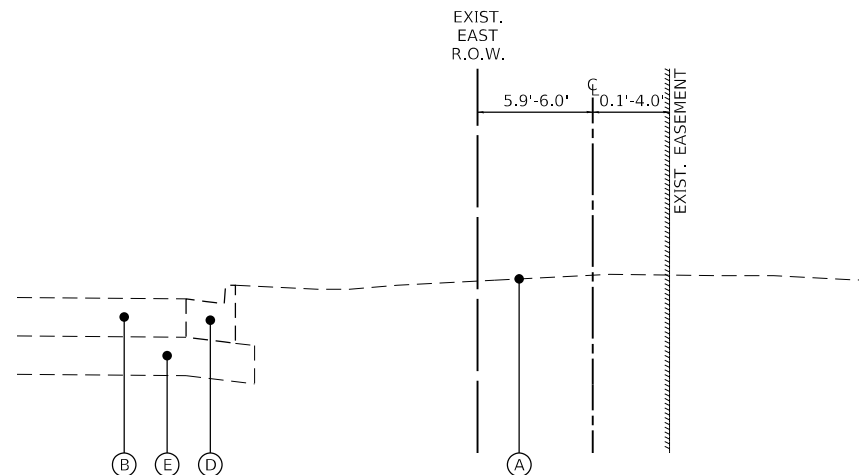
**TYPICAL SECTIONS
CITY OF CRYSTAL LAKE, ILLINOIS**

SCALE: N.T.S. SHEET 1 OF 2 SHEETS STA. TO STA.

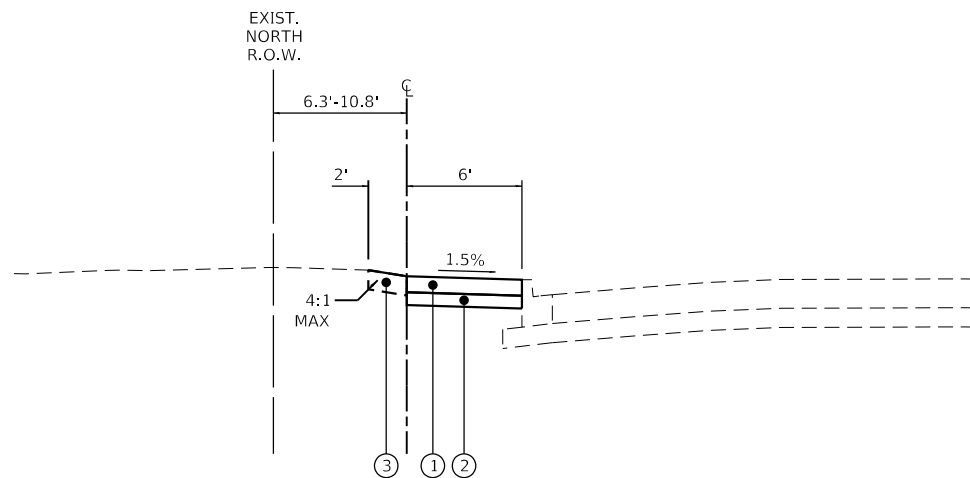
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00131-00-SW	MCHENRY	97	8
			CONTRACT NO. 61171	
		ILLINOIS	FED. AID PROJECT	



MAIN STREET
EXISTING TYPICAL SECTION
STA. 100+05.78 TO STA. 102+99.25



MAIN STREET
EXISTING TYPICAL SECTION
STA. 103+81.60 TO STA. 106+90.38



MAIN STREET
PROPOSED TYPICAL SECTION
STA. 100+05.78 TO STA. 102+04.70

LEGEND

- (A) EXISTING GROUND SURFACE
- (B) EXISTING HMA PAVEMENT
- (C) EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- (D) EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- (E) EXISTING AGGREGATE BASE
- (1) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- (2) AGGREGATE BASE COURSE, TYPE B 4"
- (3) TOPSOIL FURNISH AND PLACE, 6" SEEDING, CLASS 2A EROSION CONTROL BLANKET

NOTE:
SIDE CURB SHALL BE PAID FOR AS P.C.C. SIDEWALK 5" PAY ITEM.

FILE NAME =	USER NAME = DOhesak
5423-130-sh-typical 2.dgn	
5423.13	
Default	

DESIGNED - KLB	REVISER -
DRAWN - DGO	REVISIONS -
CHECKED - KLB	REVISIONS -
DATE - 7/10/2024	REVISIONS -

DESIGNED - KLB	REVISER -
DRAWN - DGO	REVISIONS -
CHECKED - KLB	REVISIONS -
DATE - 7/10/2024	REVISIONS -

DESIGNED - KLB	REVISER -
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DATE - 7/10/2024	REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

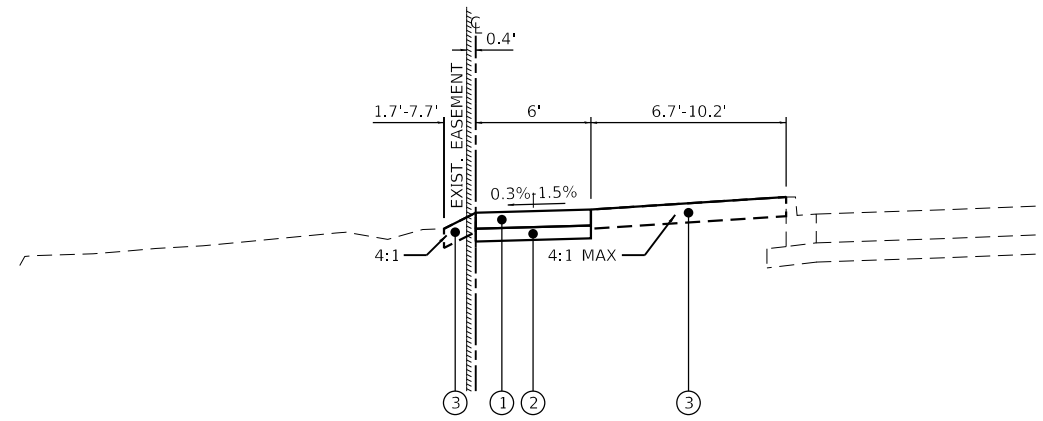
TYPICAL SECTIONS	
CITY OF CRYSTAL LAKE, ILLINOIS	
SCALE: N.T.S.	SHEET 2 OF 3 SHEETS
STA.	TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00131-00-SW	MCHENRY	97	9
			CONTRACT NO. 61171	
		ILLINOIS	FED. AID PROJECT	

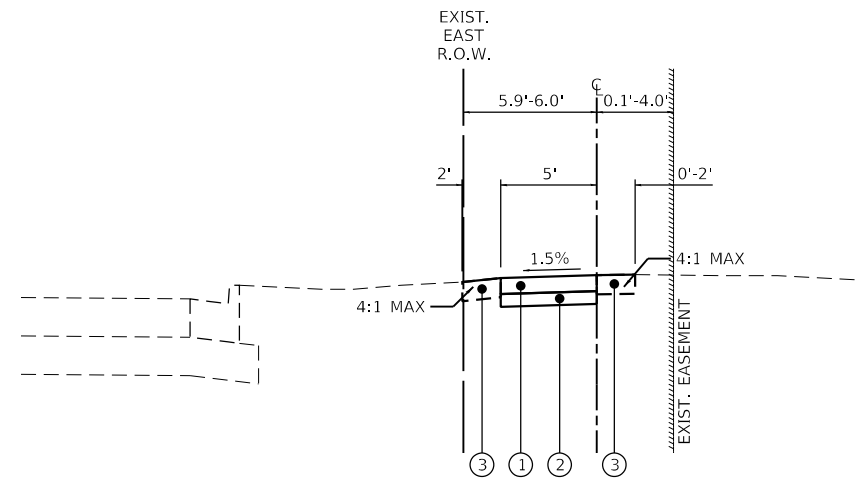
LEGEND

- (A) EXISTING GROUND SURFACE
- (B) EXISTING HMA PAVEMENT
- (C) EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- (D) EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- (E) EXISTING AGGREGATE BASE
- (1) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- (2) AGGREGATE BASE COURSE, TYPE B 4"
- (3) TOPSOIL FURNISH AND PLACE, 6" SEEDING, CLASS 2A EROSION CONTROL BLANKET

NOTE:
SIDE CURB SHALL BE PAID FOR AS P.C.C. SIDEWALK 5" PAY ITEM.



**MAIN STREET
PROPOSED TYPICAL SECTION**
STA. 102+04.70 TO STA. 102+99.25



**MAIN STREET
PROPOSED TYPICAL SECTION**
STA. 103+81.60 TO STA. 106+90.38

FILE NAME =	USER NAME = DOhesak
5423-130-sh-typical 3.dgn	
5423.13	
Default	

PLOT SCALE = 1:2	CHECKED - KLB	DATE - 7/10/2024
PLOT DATE = 7/1/2024		

DESIGNED - KLB	REVISED -
DRAWN - DGO	REVISED -
CHECKED - KLB	REVISED -
DATE - 7/10/2024	REVISED -

REVISED -	
REVISED -	
REVISED -	
REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
CITY OF CRYSTAL LAKE, ILLINOIS**

SCALE: N.T.S. SHEET 3 OF 3 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00131-00-SW	MCHENRY	97	10
			CONTRACT NO. 61171	
		ILLINOIS	FED. AID PROJECT	

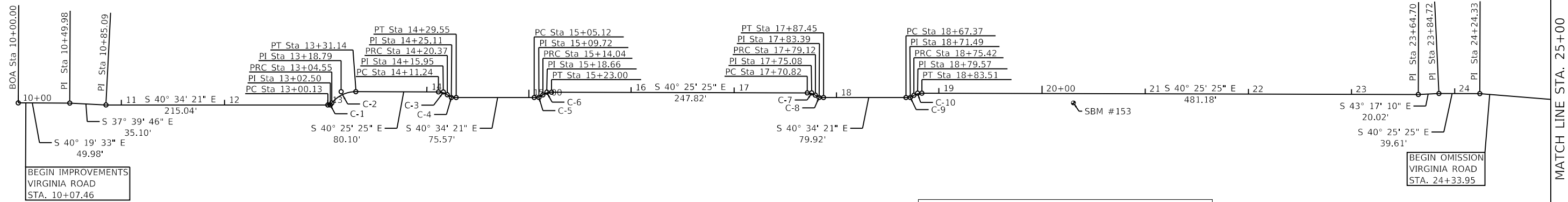
SCHEDULE OF EARTHWORK (VIRGINIA ROAD)						
STATION	TO	STATION	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR 15% SHRINKAGE (CU YD)	FILL VOLUME (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
10+00.00	TO	10+25.00	0.77	0.66	0.00	0.66
10+25.00	TO	10+34.64	0.60	0.51	0.00	0.51
10+34.64	TO	10+50.00	2.83	2.41	0.00	2.41
10+50.00	TO	10+75.00	9.39	7.98	0.00	7.98
10+75.00	TO	10+96.39	5.41	4.60	0.00	4.60
10+96.39	TO	11+00.00	0.22	0.19	0.00	0.19
11+00.00	TO	11+25.00	3.81	3.24	0.00	3.24
11+25.00	TO	11+50.00	5.72	4.86	0.00	4.86
11+50.00	TO	11+75.00	5.14	4.37	0.00	4.37
11+75.00	TO	12+00.00	5.08	4.32	0.00	4.32
12+00.00	TO	12+25.00	5.49	4.67	0.00	4.67
12+25.00	TO	12+50.00	5.61	4.77	0.00	4.77
12+50.00	TO	12+75.00	3.51	2.99	0.00	2.99
12+75.00	TO	12+84.45	0.58	0.50	0.00	0.50
12+84.45	TO	13+00.00	2.68	2.28	0.00	2.28
13+00.00	TO	13+25.00	6.60	5.61	0.00	5.61
13+25.00	TO	13+50.00	5.61	4.77	0.00	4.77
13+50.00	TO	13+75.00	5.07	4.31	0.00	4.31
13+75.00	TO	14+00.00	4.87	4.14	0.00	4.14
14+00.00	TO	14+25.00	6.94	5.90	0.00	5.90
14+25.00	TO	14+48.91	9.39	7.98	0.00	7.98
14+48.91	TO	14+63.83	5.35	4.55	0.00	4.55
14+63.83	TO	14+75.00	3.37	2.86	0.00	2.86
14+75.00	TO	15+00.00	7.88	6.70	0.00	6.70
15+00.00	TO	15+25.00	6.75	5.74	0.00	5.74
15+25.00	TO	15+50.00	5.30	4.50	0.00	4.50
15+50.00	TO	15+75.00	5.26	4.47	0.00	4.47
15+75.00	TO	16+00.00	5.24	4.45	0.00	4.45
16+00.00	TO	16+25.00	5.31	4.51	0.00	4.51
16+25.00	TO	16+50.00	5.30	4.50	0.00	4.50
16+50.00	TO	16+75.00	5.31	4.51	0.00	4.51
16+75.00	TO	17+00.00	5.40	4.59	0.00	4.59
17+00.00	TO	17+25.00	5.35	4.55	0.00	4.55
17+25.00	TO	17+50.00	5.27	4.48	0.00	4.48
17+50.00	TO	17+75.00	5.44	4.62	0.00	4.62
17+75.00	TO	18+00.00	8.19	6.96	0.00	6.96
18+00.00	TO	18+17.40	7.75	6.59	0.00	6.59
18+17.40	TO	18+25.00	2.96	2.51	0.00	2.51
18+25.00	TO	18+32.48	2.36	2.01	0.00	2.01
18+32.48	TO	18+50.00	6.46	5.49	0.00	5.49
18+50.00	TO	18+75.00	9.65	8.20	0.00	8.20
18+75.00	TO	19+00.00	7.38	6.27	0.00	6.27
19+00.00	TO	19+25.00	5.72	4.86	0.00	4.86
19+25.00	TO	19+50.00	5.57	4.74	0.00	4.74
19+50.00	TO	19+75.00	3.64	3.09	0.00	3.09
19+75.00	TO	19+90.57	0.96	0.82	0.00	0.82
19+90.57	TO	20+00.00	0.58	0.50	0.00	0.50
20+00.00	TO	20+25.00	3.63	3.09	0.00	3.09
20+25.00	TO	20+50.00	5.54	4.71	0.00	4.71
20+50.00	TO	20+75.00	5.46	4.64	0.00	4.64
20+75.00	TO	21+00.00	5.56	4.73	0.00	4.73
21+00.00	TO	21+25.00	5.69	4.84	0.00	4.84
21+25.00	TO	21+50.00	5.80	4.93	0.00	4.93
21+50.00	TO	21+75.00	6.80	5.78	0.00	5.78
21+75.00	TO	22+00.00	7.13	6.06	0.00	6.06
22+00.00	TO	22+25.00	6.14	5.22	0.00	5.22
22+25.00	TO	22+50.00	5.42	4.60	0.00	4.60
22+50.00	TO	22+75.00	4.88	4.15	0.00	4.15
22+75.00	TO	23+00.00	4.92	4.18	0.00	4.18
23+00.00	TO	23+25.00	5.18	4.40	0.00	4.40

SCHEDULE OF EARTHWORK (VIRGINIA ROAD)						
STATION	TO	STATION	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR 15% SHRINKAGE (CU YD)	FILL VOLUME (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
23+25.00	TO	23+50.00	5.54	4.71	0.00	4.71
23+50.00	TO	23+75.00	5.63	4.79	0.00	4.79
23+75.00	TO	24+00.00	5.87	4.99	0.00	4.99
24+00.00	TO	24+24.33	7.13	6.06	0.00	6.06
24+24.33	TO	24+25.00	0.11	0.10	0.00	0.10
24+25.00	TO	24+50.00	0.00	0.00	0.00	0.00
24+50.00	TO	24+75.00	0.00	0.00	0.00	0.00
24+75.00	TO	25+00.00	0.00	0.00	0.00	0.00
25+00.00	TO	25+25.00	0.00	0.00	0.00	0.00
25+25.00	TO	25+50.00	0.00	0.00	0.00	0.00
25+50.00	TO	25+57.21	0.80	0.68	0.00	0.68
25+57.21	TO	25+75.00	3.78	3.21	0.00	3.21
25+75.00	TO	26+00.00	5.55	4.72	0.00	4.72
26+00.00	TO	26+25.00	6.09	5.17	0.00	5.17
26+25.00	TO	26+50.00	8.64	7.35	0.11	7.24
26+50.00	TO	26+75.00	5.57	4.74	0.11	4.63
26+75.00	TO	27+00.00	0.00	0.00	0.00	0.00
27+00.00	TO	27+25.00	0.00	0.00	0.00	0.00
27+25.00	TO	27+50.00	3.57	3.04	0.00	3.04
27+50.00	TO	27+75.00	6.23	5.30	0.00	5.30
27+75.00	TO	28+00.00	5.22	4.43	0.00	4.43
28+00.00	TO	28+25.00	5.91	5.03	0.00	5.03
28+25.00	TO	28+50.00	6.33	5.38	0.00	5.38
28+50.00	TO	28+75.00	6.00	5.10	0.00	5.10
28+75.00	TO	29+00.00	6.59	5.60	0.00	5.60
29+00.00	TO	29+25.00	6.63	5.64	0.00	5.64
29+25.00	TO	29+27.87	0.71	0.60	0.00	0.60
29+27.87	TO	29+50.00	7.06	6.00	0.00	6.00
29+50.00	TO	29+75.00	10.97	9.32	0.00	9.32
29+75.00	TO	30+00.00	11.32	9.62	0.00	9.62
30+00.00	TO	30+25.00	10.50	8.92	0.00	8.92
30+25.00	TO	30+50.00	9.78	8.32	0.00	8.32
30+50.00	TO	30+75.00	7.88	6.70	0.00	6.70
30+75.00	TO	31+00.00	6.13	5.21	0.00	5.21
31+00.00	TO	31+25.00	6.43	5.46	0.00	5.46
31+25.00	TO	31+50.00	7.19	6.11	0.00	6.11
31+50.00	TO	31+72.02	3.80	3.23	0.00	3.23
31+72.02	TO	31+75.00	0.18	0.16	0.00	0.16
31+75.00	TO	32+00.00	5.09	4.33	0.00	4.33
32+00.00	TO	32+25.00	7.33	6.23	0.30	5.93
32+25.00	TO	32+50.00	8.88	7.55	0.30	7.25
32+50.00	TO	32+72.25	6.06	5.15	0.00	5.15
32+72.25	TO	32+75.00	0.21	0.17	0.00	0.17
32+75.00	TO	33+00.00	4.57	3.89	0.10	3.79
33+00.00	TO	33+25.00	5.41	4.60	0.13	4.47
33+25.00	TO	33+50.00	2.96	2.51	0.26	2.25
33+50.00	TO	33+75.00	2.74	2.33	0.28	2.05
33+75.00	TO	34+00.00	3.90	3.31	0.05	3.26
34+00.00	TO	34+25.00	6.30	5.35	0.29	5.06
34+25.00	TO	34+50.00	6.59	5.60	0.72	4.88
34+50.00	TO	34+69.48	2.78	2.36	0.34	2.02
34+69.48	TO	34+75.00	0.41	0.35	0.00	0.35
34+75.00	TO	35+00.00	4.84	4.11	0.11	4.00
35+00.00	TO	35+25.00	6.36	5.40	0.11	5.29
35+25.00	TO	35+50.00	5.15	4.38	0.00	4.38
35+50.00	TO	35+75.00	5.39	4.58	0.00	4.58
35+75.00	TO	36+00.00	6.14	5.22	0.00	5.22
36+00.00	TO	36+14.84	3.53	3.00	0.00	3.00
36+14.84	TO	36+25.00	1.01	0.86	0.00	0.86
36+25.00	TO	36+40.95	0.00	0.00	0.00	0.00
TOTAL VOLUMES (CU YD):			584.0	496.4	3.2	493.2

SCHEDULE OF EARTHWORK (MAIN STREET)						
STATION	TO	STATION	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR 15% SHRINKAGE (CU YD)	FILL VOLUME (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
100+00.00	TO	100+11.51	1.75	1.49	0.00	1.49
100+11.51	TO	100+25.00	3.56	3.02	0.00	3.02
100+25.00	TO	100+50.00	5.42	4.60	0.00	4.60
100+50.00	TO	100+75.00	5.23	4.45	0.00	4.45
100+75.00	TO	101+00.00	5.15	4.38	0.00	4.38
101+00.00	TO	101+25.00	5.19	4.41	0.00	4.41
101+25.00	TO	101+50.00	5.03	4.28	0.00	4.28
101+50.00	TO	101+75.00	5.05	4.29	0.00	4.29
101+75.00	TO	102+00.00	4.71	4.01	0.00	4.01
102+00.00	TO	102+25.00	5.50	4.68	0.00	4.68
102+25.00	TO	102+50.00	6.09	5.17	0.43	4.74
102+50.00	TO	102+75.00	3.36	2.86	0.87	1.99
102+75.00	TO	103+00.00	0.72	0.61	0.44	0.17
103+00.00	TO	103+25.00	0.00	0.00	0.00	0.00
103+25.00	TO	103+50.00	0.00	0.00	0.00	0.00
103+50.00	TO	103+75.00	0.00	0.00	0.00	0.00
103+75.00	TO	104+00.00	0.00	0.00	0.00	0.00
104+00.00	TO	104+25.00	2.58	2.20	0.00	2.20
104+25.00	TO	104+50.00	5.23	4.45	0.00	4.45
104+50.00	TO	104+75.00	5.23	4.45	0.00	4.45
104+75.00	TO	105+00.00	4.87	4.14	0.00	4.14
105+00.00	TO	105+25.00	4.56	3.87	0.00	3.87
105+25.00	TO	105+50.00	4.86	4.13	0.00	4.13
105+50.00	TO	105+75.00	4.68	3.98	0.00	3.98
105+75.00	TO	106+00.00	4.26	3.62	0.00	3.62
106+00.00	TO	106+25.00	4.34	3.69	0.00	3.69
106+25.00	TO	106+50.00	4.47	3.80	0.00	3.80
106+50.00	TO	106+75.00	4.44	3.77	0.00	3.77
106+75.00	TO	107+00.00	2.15	1.83	0.00	1.83
107+00.00	TO	107+25.00	0.00	0.00	0.00	0.00
107+25.00	TO	107+50.00	0.00	0.00	0.00	0.00
107+50.00	TO	107+58.78	0.00	0.00	0.00	0.00
TOTAL VOLUMES (CU YD):			108.4	92.2	1.7	90.4

SCHEDULE OF EARTHWORK (CONGRESS PARKWAY)						
STATION	TO	STATION	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR 15% SHRINKAGE (CU YD)	FILL VOLUME (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
200+00.00	TO	200+25.00	3.80	3.23	0.00	3.23
200+25.00	TO	200+50.00	5.13	4.36	0.00	4.36
200+50.00	TO	200+75.00	3.50	2.98	0.00	2.98
200+75.00	TO	201+00.00	4.70	4.00	0.00	4.00
201+00.00</						

VIRGINIA ROAD CONTROL POINT COORDINATE TABLE					
DESCRIPTION	ELEVATION	STATION	OFFSET	NORTHING	EASTING
SBM #153	898.22	20+30.48	9.04' RT	2023609.91	987183.01



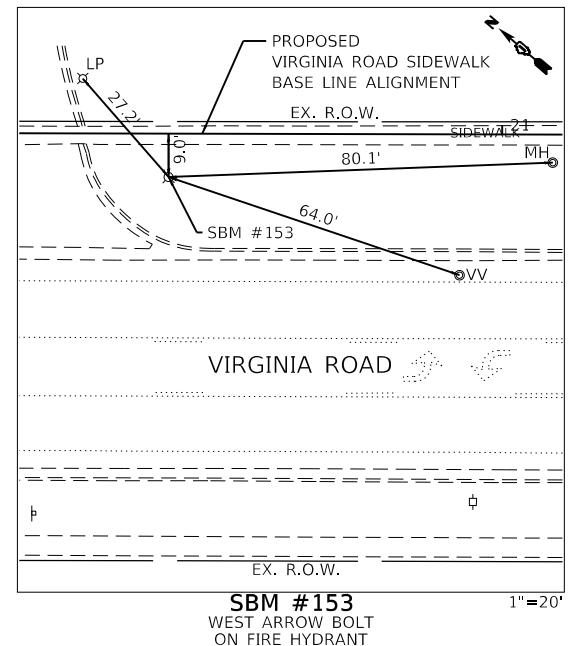
CONTROL DISCLAIMER

PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL CONTROL POINTS AT THE JOB SITE, IF THERE ARE ANY DISCREPANCY FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTION FROM THE SURVEYOR PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSION OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTION, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE, IN THE EVENT OF ANY DOUBT OR QUESTION ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONTROL POINTS AND/OR BENCHMARKS.

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VIRGINIA ROAD DATUM
 HORIZONTAL DATUM: NAD83 IL EAST SPCS
 VERTICAL DATUM: NAVD88



VIRGINIA ROAD ALIGNMENT COORDINATE TABLE				
DESCRIPTION	STATION	NORTHING	EASTING	
BOA	10+00.00	2024386.83	986517.82	
PI	10+49.98	2024348.72	986550.17	
PI	10+85.09	2024320.93	986571.62	
PC	13+00.13	2024157.59	986711.48	
PI	13+02.50	2024155.79	986713.02	
PRC	13+04.55	2024155.84	986715.39	
PI	13+18.79	2024156.14	986729.62	
PT	13+31.14	2024145.30	986738.85	
PC	14+11.24	2024084.32	986790.79	
PI	14+15.95	2024080.74	986793.85	
PRC	14+20.37	2024076.04	986794.30	
PI	14+25.11	2024071.33	986794.76	
PT	14+29.55	2024067.73	986797.84	
PC	15+05.12	2024010.33	986846.99	
PI	15+09.72	2024006.84	986849.98	
PRC	15+14.04	2024005.62	986854.42	
PI	15+18.66	2024004.40	986858.87	
PT	15+23.00	2024000.88	986861.87	
PC	17+70.82	2023812.22	987022.56	
PI	17+75.08	2023808.99	987025.32	
PRC	17+79.12	2023804.78	987025.97	
PI	17+83.39	2023800.55	987026.62	
PT	17+87.45	2023797.30	987029.40	
PC	18+67.37	2023736.60	987081.38	
PI	18+71.49	2023733.46	987084.07	
PRC	18+75.42	2023732.14	987087.97	
PI	18+79.57	2023730.82	987091.90	
PT	18+83.51	2023727.66	987094.59	
PI	23+64.70	2023361.35	987406.61	
PI	23+84.72	2023346.77	987420.34	
PI	24+24.33	2023316.62	987446.02	

C-1 PI STA. = 13+02.50 Δ = 50° 37' 48" (LT) D = 1145° 54' 56" R = 5.00' T = 2.37' L = 4.42' E = 0.53' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 13+00.13 P.T. STA. = 13+04.55	C-2 PI STA. = 13+18.79 Δ = 50° 46' 44" (RT) D = 190° 59' 09" R = 30.00' T = 14.24' L = 26.59' E = 3.21' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 13+04.55 P.T. STA. = 13+31.14	C-3 PI STA. = 14+15.95 Δ = 34° 53' 45" (RT) D = 381° 58' 19" R = 15.00' T = 4.71' L = 9.14' E = 0.72' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 14+11.24 P.T. STA. = 14+20.37	C-4 PI STA. = 14+25.11 Δ = 35° 02' 41" (LT) D = 381° 58' 19" R = 15.00' T = 4.74' L = 9.17' E = 0.73' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 14+20.37 P.T. STA. = 14+29.55	C-5 PI STA. = 15+09.72 Δ = 34° 05' 08" (LT) D = 381° 58' 19" R = 15.00' T = 4.60' L = 8.92' E = 0.69' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 15+05.12 P.T. STA. = 15+14.04
C-6 PI STA. = 15+18.66 Δ = 34° 14' 04" (RT) D = 381° 58' 19" R = 15.00' T = 4.62' L = 8.96' E = 0.70' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 15+14.04 P.T. STA. = 15+23.00	C-7 PI STA. = 17+75.08 Δ = 31° 40' 29" (RT) D = 381° 58' 19" R = 15.00' T = 4.26' L = 8.29' E = 0.59' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 17+70.82 P.T. STA. = 17+79.12	C-8 PI STA. = 17+83.39 Δ = 31° 49' 25" (LT) D = 381° 58' 19" R = 15.00' T = 4.28' L = 8.33' E = 0.60' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 17+79.12 P.T. STA. = 17+87.45	C-9 PI STA. = 18+71.49 Δ = 30° 45' 42" (LT) D = 381° 58' 19" R = 15.00' T = 4.13' L = 8.05' E = 0.56' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 18+67.37 P.T. STA. = 18+75.42	C-10 PI STA. = 18+79.57 Δ = 30° 54' 39" (RT) D = 381° 58' 19" R = 15.00' T = 4.15' L = 8.09' E = 0.56' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 18+75.42 P.T. STA. = 18+83.51



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES AND BENCHMARK – VIRGINIA ROAD
 CITY OF CRYSTAL LAKE, ILLINOIS**

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00131-00-SW	MCHENRY	97	12
			CONTRACT NO. 61171	
		ILLINOIS	FED. AID PROJECT	

CONTROL DISCLAIMER

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BENCHMARK:

ELEVATIONS SHOWN HEREON ARE OBTAINED VIA GPS USING TRIMBLE VRS@NOW™ (NO PUBLISHED MONUMENT VERIFIED) DATUM: NAVD88

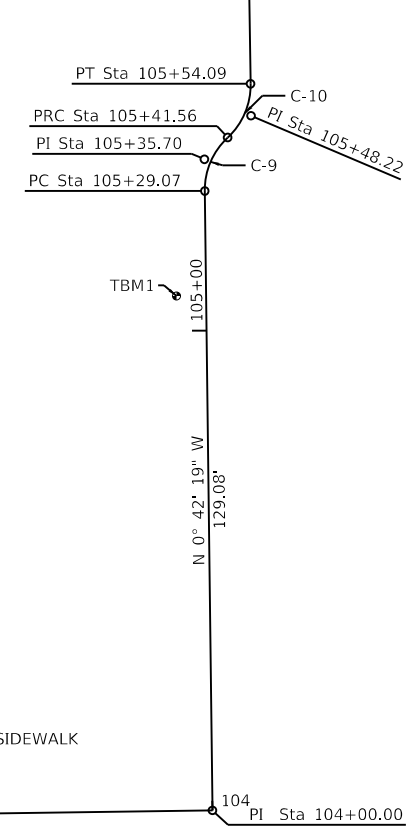
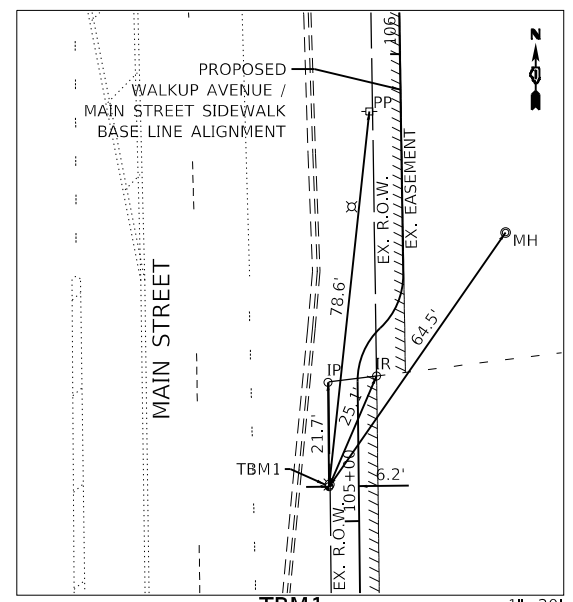
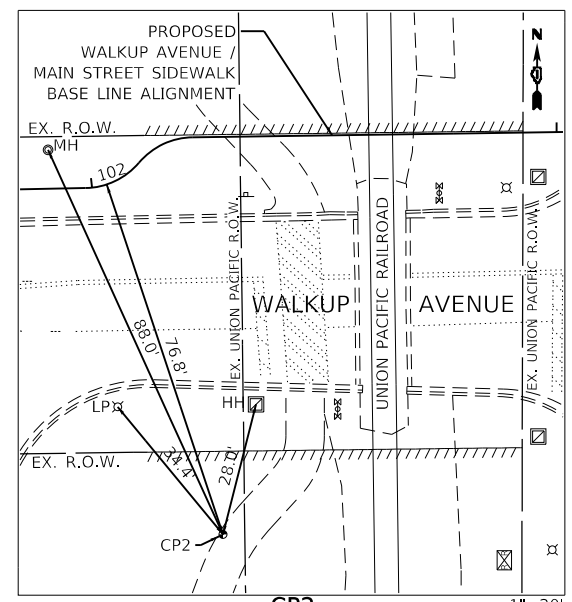
<p>C-1 PI STA. = 100+05.21 Δ = 2° 45' 20" (LT) D = 26° 26' 14" R = 216.72' T = 5.21' L = 10.42' E = 0.06' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 100+00.00 P.T. STA. = 100+10.42</p>	<p>C-2 PI STA. = 100+17.15 Δ = 7° 08' 12" (LT) D = 53° 07' 04" R = 107.87' T = 107.87' T = 6.73' L = 13.44' E = 0.21' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 100+10.42 P.T. STA. = 100+23.86</p>	<p>C-3 PI STA. = 100+32.00 Δ = 5° 38' 22" (LT) D = 57° 17' 45" R = 100.00' T = 4.93' L = 9.84' E = 0.12' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 100+27.08 P.T. STA. = 100+36.92</p>	<p>C-4 PI STA. = 100+66.04 Δ = 12° 58' 26" (LT) D = 94° 27' 00" R = 60.66' T = 6.90' L = 13.74' E = 0.39' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 100+59.14 P.T. STA. = 100+72.88</p>	<p>C-5 PI STA. = 101+26.42 Δ = 18° 15' 58" (LT) D = 45° 27' 36" R = 126.04' T = 20.26' L = 40.18' E = 1.62' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 101+06.16 P.T. STA. = 101+46.34</p>
<p>C-6 PI STA. = 101+62.97 Δ = 11° 15' 28" (LT) D = 33° 57' 17" R = 168.74' T = 16.63' L = 33.16' E = 0.82' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 101+46.34 P.T. STA. = 101+79.49</p>	<p>C-7 PI STA. = 102+05.43 Δ = 48° 37' 17" (LT) D = 381° 58' 19" R = 15.00' T = 6.78' L = 12.73' E = 1.46' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 101+98.66 P.T. STA. = 102+11.39</p>	<p>C-8 PI STA. = 102+18.21 Δ = 48° 56' 29" (RT) D = 381° 58' 19" R = 15.00' T = 6.83' L = 12.81' E = 1.48' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 102+11.39 P.T. STA. = 102+24.20</p>	<p>C-9 PI STA. = 105+35.70 Δ = 47° 41' 38" (RT) D = 381° 58' 19" R = 15.00' T = 6.63' L = 12.49' E = 1.40' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 105+29.07 P.T. STA. = 105+41.56</p>	<p>C-10 PI STA. = 105+48.22 Δ = 47° 52' 35" (LT) D = 381° 58' 19" R = 15.00' T = 6.66' L = 12.53' E = 1.41' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 105+41.56 P.T. STA. = 105+54.09</p>

MATCH LINE STA. 107+00.00

END IMPROVEMENTS
STA. 106+93.37

EOA Sta 107+58.78

MATCH LINE STA. 107+00.00

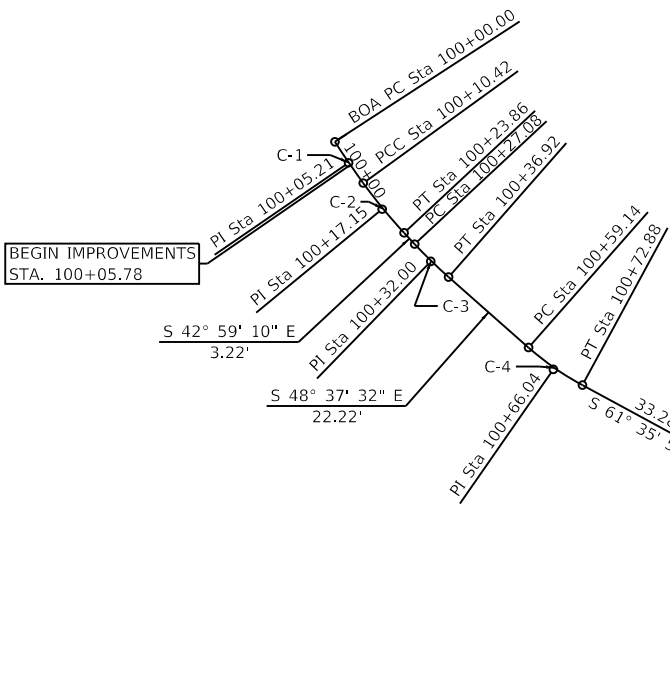


WALKUP AVENUE / MAIN STREET
CONTROL POINT COORDINATE TABLE

DESCRIPTION	ELEVATION	STATION	OFFSET	NORTHING	EASTING
CP2	899.02	102+03.17	76.84' RT	2025862.57	988882.43
TBM1	898.91	105+07.28	6.18' LT	NA	NA

WALKUP AVENUE / MAIN STREET
ALIGNMENT COORDINATE TABLE

DESCRIPTION	STATION	NORTHING	EASTING
BOA	100+00.00	2026016.70	988683.00
PI	100+05.21	2026012.34	988685.85
PCC	100+10.42	2026008.11	988688.90
PI	100+17.15	2026002.66	988692.84
PT	100+23.86	2025997.74	988697.43
PC	100+27.08	2025995.38	988699.62
PI	100+32.00	2025991.78	988702.98
PT	100+36.92	2025988.53	988706.68
PC	100+59.14	2025973.84	988723.35
PI	100+66.04	2025969.28	988728.53
PT	100+72.88	2025966.00	988734.59
PC	101+06.16	2025950.17	988763.87
PI	101+26.42	2025940.53	988781.69
PCC	101+46.34	2025936.97	988801.64
PI	101+62.97	2025934.04	988818.01
PT	101+79.49	2025934.37	988834.64
PC	101+98.66	2025934.74	988853.80
PI	102+05.43	2025934.87	988860.58
PRC	102+11.39	2025940.05	988864.95
PI	102+18.21	2025945.26	988869.37
PT	102+24.20	2025945.35	988876.19
PI	104+00.00	2025947.82	989051.97
PC	105+29.07	2026076.88	989050.38
PI	105+35.70	2026083.51	989050.30
PRC	105+41.56	2026088.04	989055.15
PI	105+48.22	2026092.58	989060.02
PT	105+54.09	2026099.24	989059.92
EOA	107+58.78	2026303.90	989056.75



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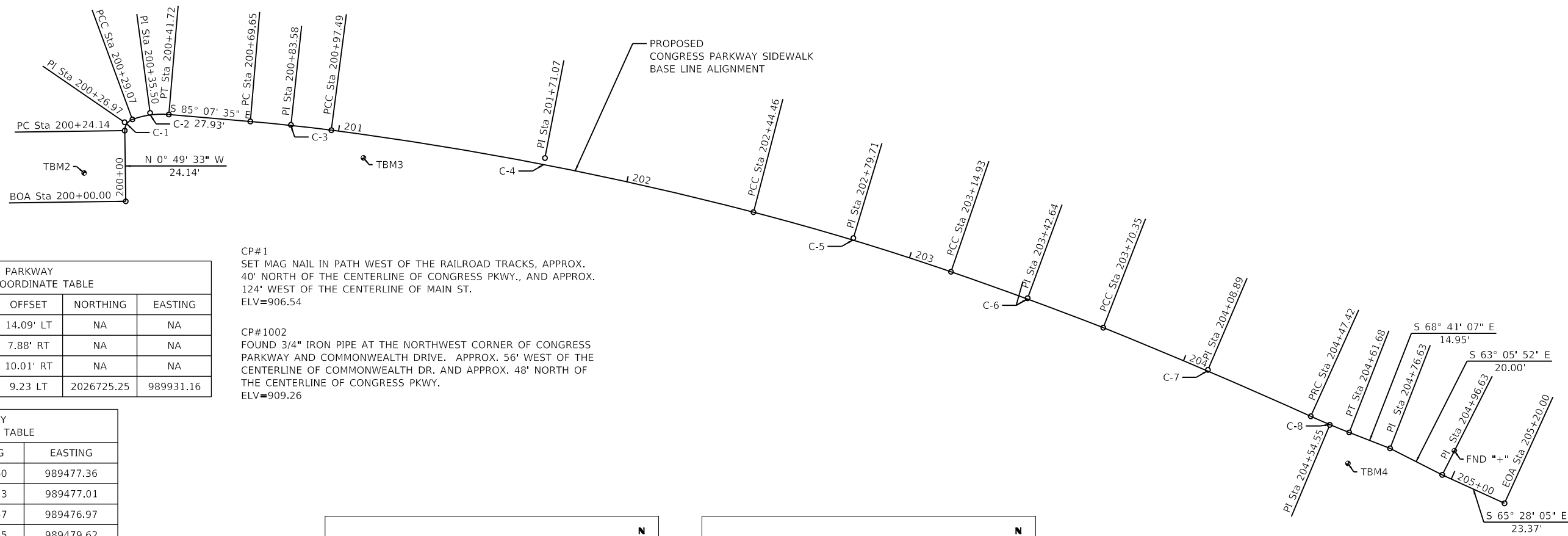
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Default		DATE - 7/10/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARK - WALKUP AVENUE / MAIN STREET
CITY OF CRYSTAL LAKE, ILLINOIS

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00131-00-SW	MCHENRY	97	14
CONTRACT NO. 61171				
ILLINOIS		FED. AID PROJECT		



**CONGRESS PARKWAY
CONTROL POINT COORDINATE TABLE**

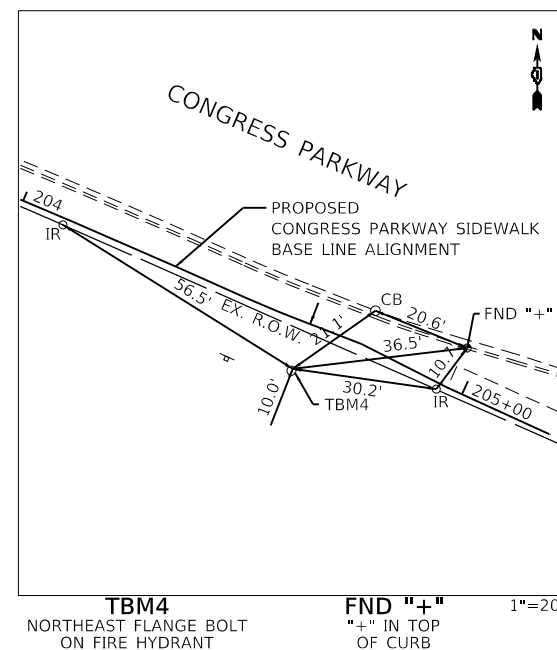
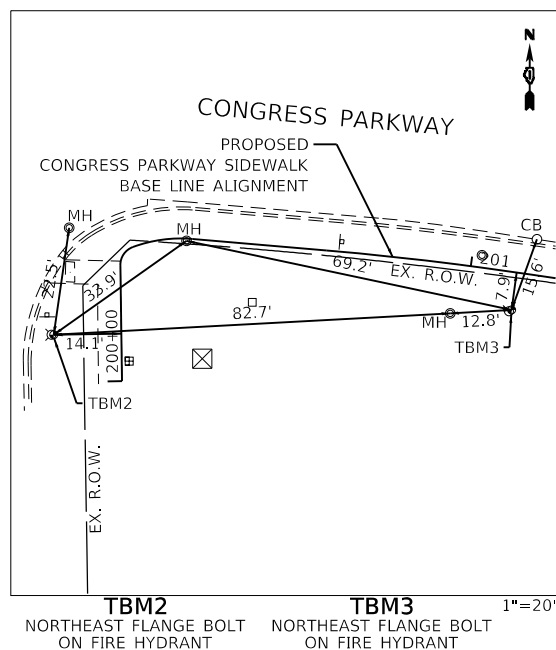
DESCRIPTION	ELEVATION	STATION	OFFSET	NORTHING	EASTING
TBM2	911.55	200+09.88	14.09' LT	NA	NA
TBM3	912.29	201+09.65	7.88' RT	NA	NA
TBM4	910.88	204+65.10	10.01' RT	NA	NA
FND "+"	909.67	204+96.97	9.23 LT	2026725.25	989931.16

CP#1
SET MAG NAIL IN PATH WEST OF THE RAILROAD TRACKS, APPROX. 40' NORTH OF THE CENTERLINE OF CONGRESS PKWY., AND APPROX. 124' WEST OF THE CENTERLINE OF MAIN ST.
ELV=906.54

CP#1002
FOUND 3/4" IRON PIPE AT THE NORTHWEST CORNER OF CONGRESS PARKWAY AND COMMONWEALTH DRIVE. APPROX. 56' WEST OF THE CENTERLINE OF COMMONWEALTH DR. AND APPROX. 48' NORTH OF THE CENTERLINE OF CONGRESS PKWY.
ELV=909.26

**CONGRESS PARKWAY
ALIGNMENT COORDINATE TABLE**

DESCRIPTION	STATION	NORTHING	EASTING
BOA	200+00.00	2026810.40	989477.36
PC	200+24.14	2026834.53	989477.01
PI	200+26.97	2026837.37	989476.97
PCC	200+29.07	2026838.35	989479.62
PI	200+35.50	2026840.57	989485.66
PT	200+41.72	2026840.02	989492.07
PC	200+69.65	2026837.65	989519.90
PI	200+83.58	2026836.47	989533.77
PCC	200+97.49	2026834.67	989547.57
PI	201+71.07	2026825.17	989620.53
PCC	202+44.46	2026806.68	989691.75
PI	202+79.71	2026797.82	989725.87
PCC	203+14.93	2026786.34	989759.21
PI	203+42.64	2026777.32	989785.41
PCC	203+70.35	2026767.26	989811.23
PI	204+08.89	2026752.85	989846.98
PRC	204+47.42	2026737.01	989882.11
PI	204+54.55	2026734.07	989888.61
PT	204+61.68	2026731.48	989895.26
PI	204+76.63	2026726.05	989909.18
PI	204+96.63	2026717.00	989927.02
EOA	205+20.00	2026707.29	989948.28



C-1
PI STA. = 200+26.97
Δ = 70° 37' 21" (RT)
D = 1432' 23' 40"
R = 4.00'
T = 2.83'
L = 4.93'
E = 0.90'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 200+24.14
P.T. STA. = 200+29.07

C-2
PI STA. = 200+35.50
Δ = 25° 06' 35" (RT)
D = 198° 23' 54"
R = 28.88'
T = 6.43'
L = 12.66'
E = 0.71'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 200+29.07
P.T. STA. = 200+41.72

C-3
PI STA. = 200+83.58
Δ = 2° 32' 50" (RT)
D = 9° 08' 59"
R = 626.21'
T = 13.92'
L = 27.84'
E = 0.15'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 200+69.65
P.T. STA. = 200+97.49

C-4
PI STA. = 201+71.07
Δ = 7° 08' 04" (RT)
D = 4° 51' 16"
R = 1,180.24'
T = 73.58'
L = 146.96'
E = 2.29'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 200+97.49
P.T. STA. = 202+44.46

C-5
PI STA. = 202+79.71
Δ = 4° 26' 26" (RT)
D = 6° 18' 04"
R = 909.31'
T = 35.25'
L = 70.47'
E = 0.68'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 202+44.46
P.T. STA. = 203+14.93

C-6
PI STA. = 203+42.64
Δ = 2° 17' 49" (RT)
D = 4° 08' 41"
R = 1,382.38'
T = 27.71'
L = 55.42'
E = 0.28'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 203+14.93
P.T. STA. = 203+70.35

C-7
PI STA. = 204+08.89
Δ = 2° 19' 19" (RT)
D = 3° 00' 45"
R = 1,901.91'
T = 38.54'
L = 77.07'
E = 0.39'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 203+70.35
P.T. STA. = 204+47.42

C-8
PI STA. = 204+54.55
Δ = 2° 57' 32" (LT)
D = 20° 45' 12"
R = 276.08'
T = 7.13'
L = 14.26'
E = 0.09'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 204+47.42
P.T. STA. = 204+61.68

CONTROL DISCLAIMER

PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL CONTROL POINTS AT THE JOB SITE, IF THERE ARE ANY DISCREPANCY FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTION FROM THE SURVEYOR PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSION OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTION, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE, IN THE EVENT OF ANY DOUBT OR QUESTION ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONTROL POINTS AND/OR BENCHMARKS.

ANY USER OF THIS CONTROL/BENCHMARKS HEREBY AGREES TO WAIVE ANY CLAIM AGAINST GEWALT HAMILTON ASSOCIATES, INC. (GHA) ARISING FROM ANY UNAUTHORIZED REUSE OR MODIFICATIONS OF THIS CONTROL/BENCHMARKS.

BY USING THIS DRAWING, YOU AGREE, IN ADDITION TO THE FULLEST EXTENT PERMITTED BY LAW, TO INDEMNIFY AND HOLD GHA HARMLESS FROM ANY DAMAGE, LIABILITY OR COST, INCLUDING REASONABLE ATTORNEY'S FEES AND COST OF DEFENSE, ARISING FROM ANY REUSE OR MODIFICATION OF THE CONTROL/BENCHMARKS BY YOURSELVES OR ANY PERSON OR ENTITY WHICH ACQUIRES OR OBTAINS THE DRAWINGS FROM OR THROUGH YOUR OFFICE WITHOUT THE PRIOR WRITTEN AUTHORIZATION OF GHA. GHA MAKES NO WARRANTIES, EITHER EXPRESS OR IMPLIED, OF THE MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE. IN NO EVENT SHALL GHA BE LIABLE FOR ANY LOSS OF PROFIT OR ANY DAMAGES AS A RESULT OF USING THIS DRAWING.

BENCHMARK:
ELEVATIONS SHOWN HEREON ARE OBTAINED VIA GPS USING TRIMBLE VRS@NOW™ (NO PUBLISHED MONUMENT VERIFIED)
DATUM: NAVD88



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PLOT DATE = 7/1/2024

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DATE - 7/10/2024

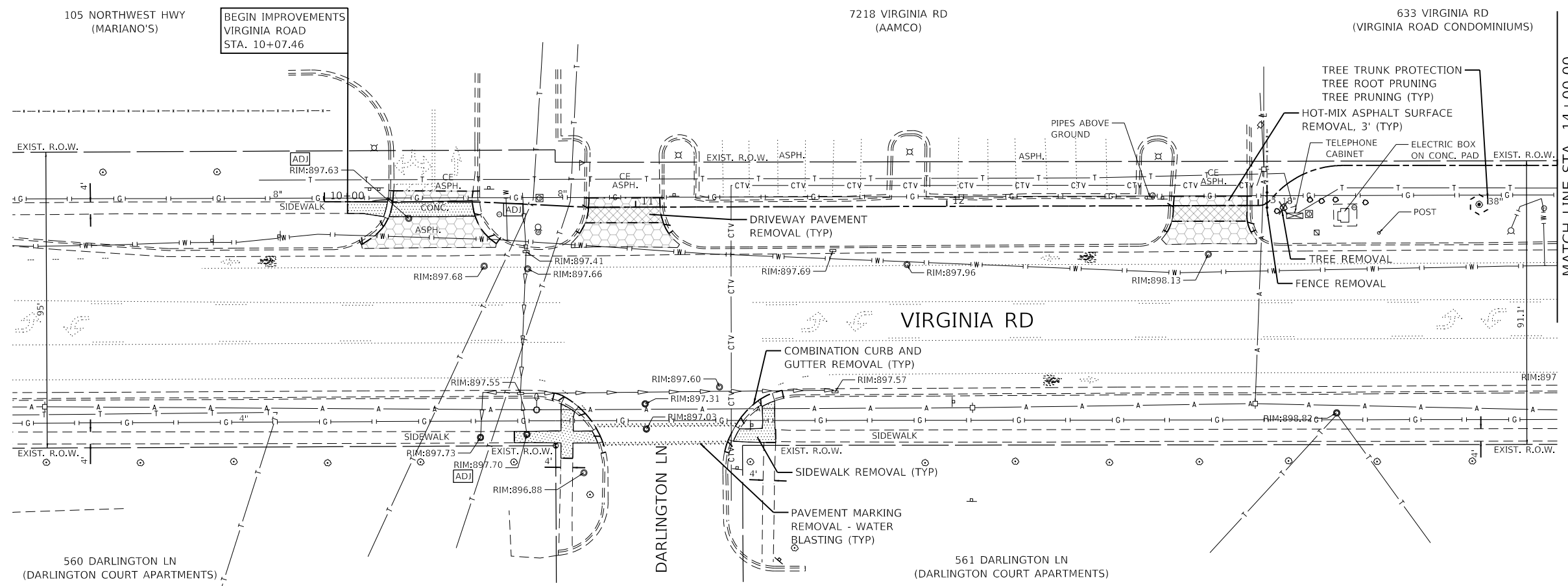
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

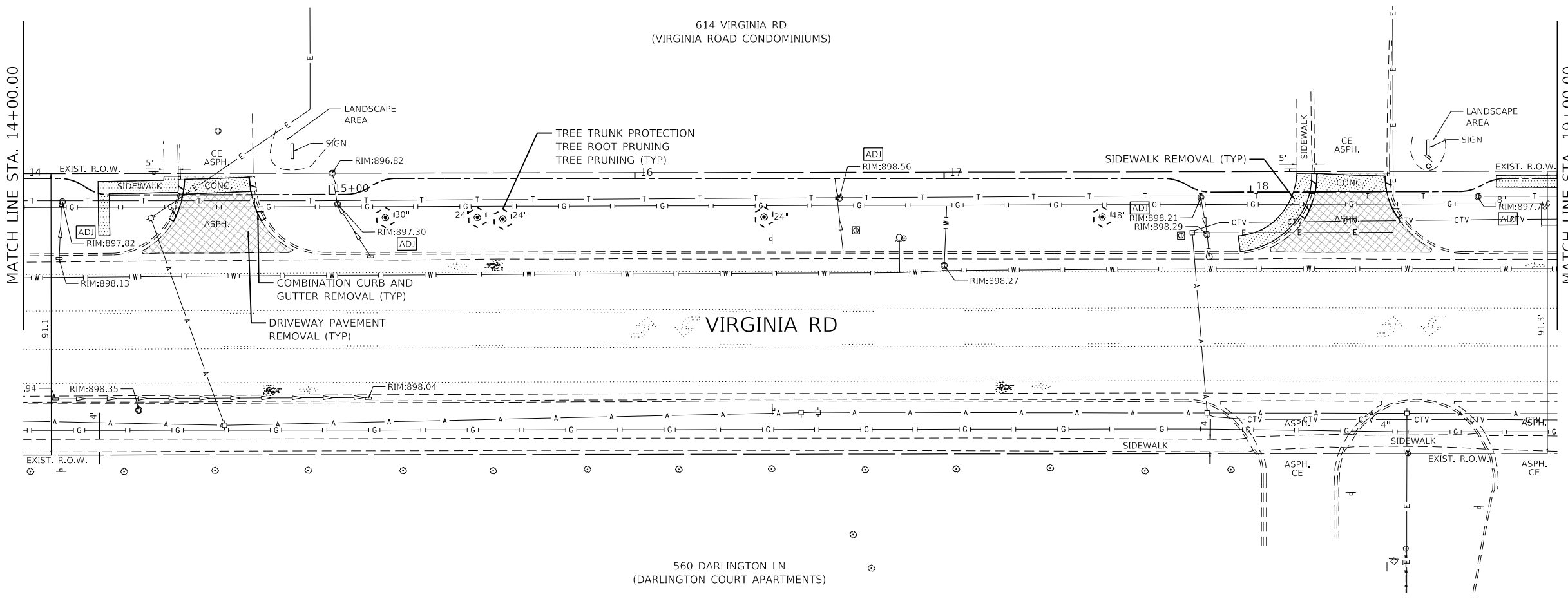
**ALIGNMENT, TIES AND BENCHMARK - CONGRESS PARKWAY
CITY OF CRYSTAL LAKE, ILLINOIS**

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00131-00-SW	MCHENRY	97	15
			CONTRACT NO. 61171	
		ILLINOIS	FED. AID PROJECT	



- LEGEND**
- SIDEWALK REMOVAL
 - DRIVEWAY PAVEMENT REMOVAL
 - HOT-MIX ASPHALT SURFACE REMOVAL, 3"
 - BIKE PATH REMOVAL
 - COMB. CURB & GUTTER REMOVAL
 - TREE REMOVAL
 - UTILITY STRUCTURE TO BE ADJUSTED
 - REMOVING AND RESETTING STREET SIGNS
 - TREE TRUNK PROTECTION
TREE ROOT PRUNING
TREE PRUNING



GHA GEWALT HAMILTON ASSOCIATES, INC.
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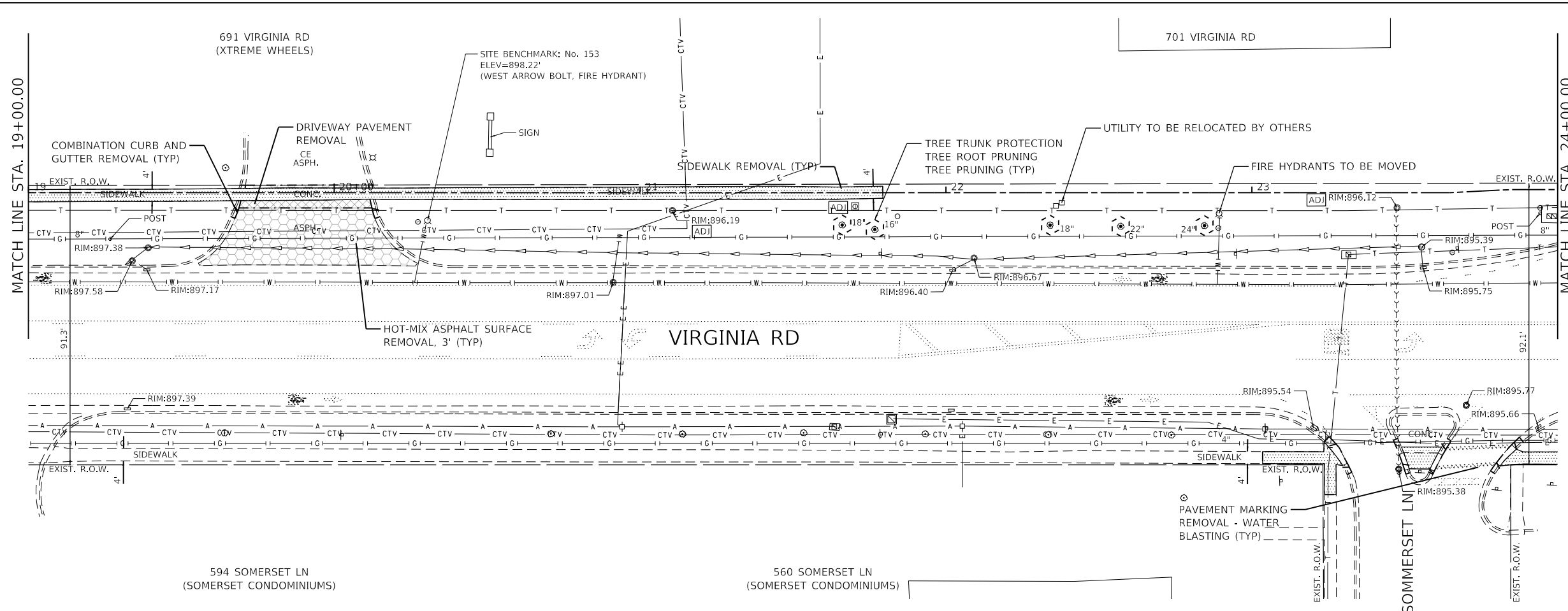
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

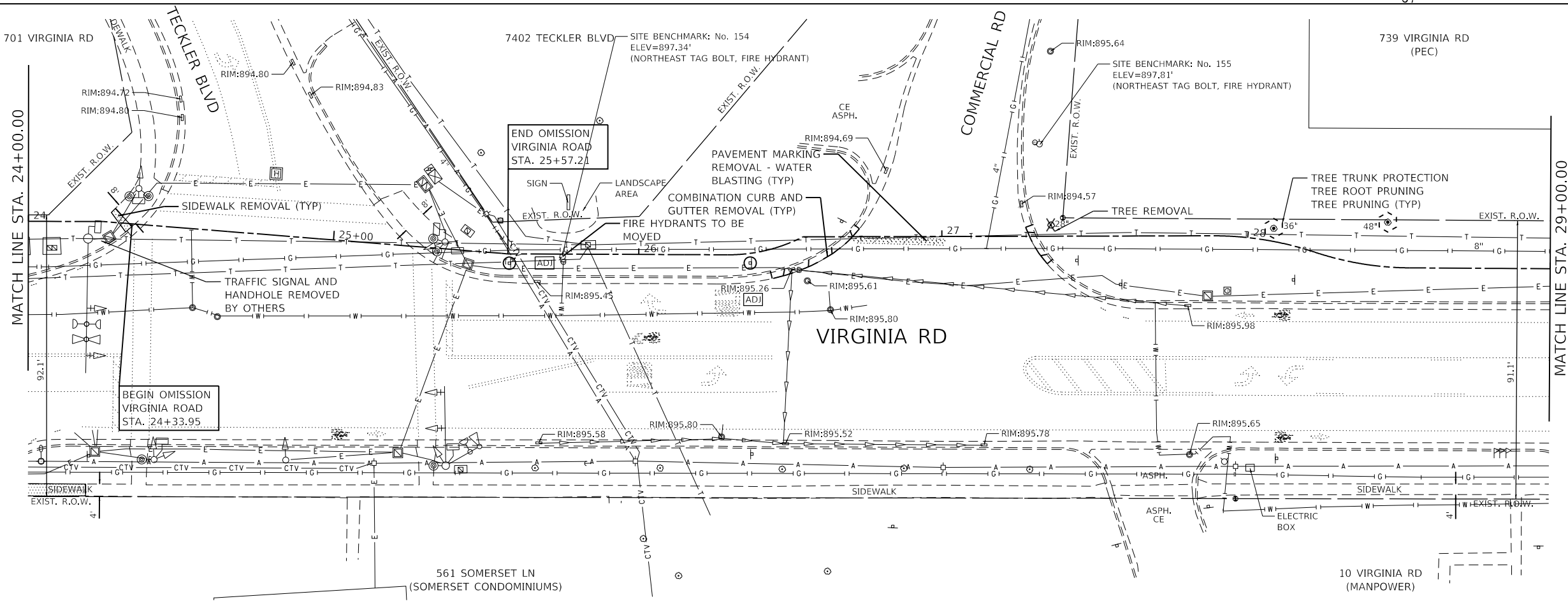
REMOVAL PLANS - VIRGINIA ROAD
CITY OF CRYSTAL LAKE, ILLINOIS

SCALE: 1"=20' SHEET 1 OF 3 SHEETS STA. 10+00 TO STA. 19+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	16
			CONTRACT NO. 61171	
ILLINOIS FED. AID PROJECT				



- LEGEND**
- SIDEWALK REMOVAL
 - DRIVEWAY PAVEMENT REMOVAL
 - HOT-MIX ASPHALT SURFACE REMOVAL, 3"
 - BIKE PATH REMOVAL
 - COMB. CURB & GUTTER REMOVAL
 - TREE REMOVAL
 - UTILITY STRUCTURE TO BE ADJUSTED
 - REMOVING AND RESETTING STREET SIGNS
 - TREE TRUNK PROTECTION
TREE ROOT PRUNING
TREE PRUNING



NOTE:
CONTRACTOR SHALL FIELD VERIFY SIDEWALK CONNECTIONS AT TECKLER BLVD AND BERKSHIRE DR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL MATCH INTO FLASHING YELLOW ARROW RAMP WORK THAT WAS INSTALLED PRIOR TO THIS CONTRACT IN ACCORDANCE WITH ADA PROWAG.

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: Defaul
 FILE: 5423-130-sht-removal 2.dgn

FILE NAME = 5423-130-sht-removal 2.dgn
 5423.13
 Default

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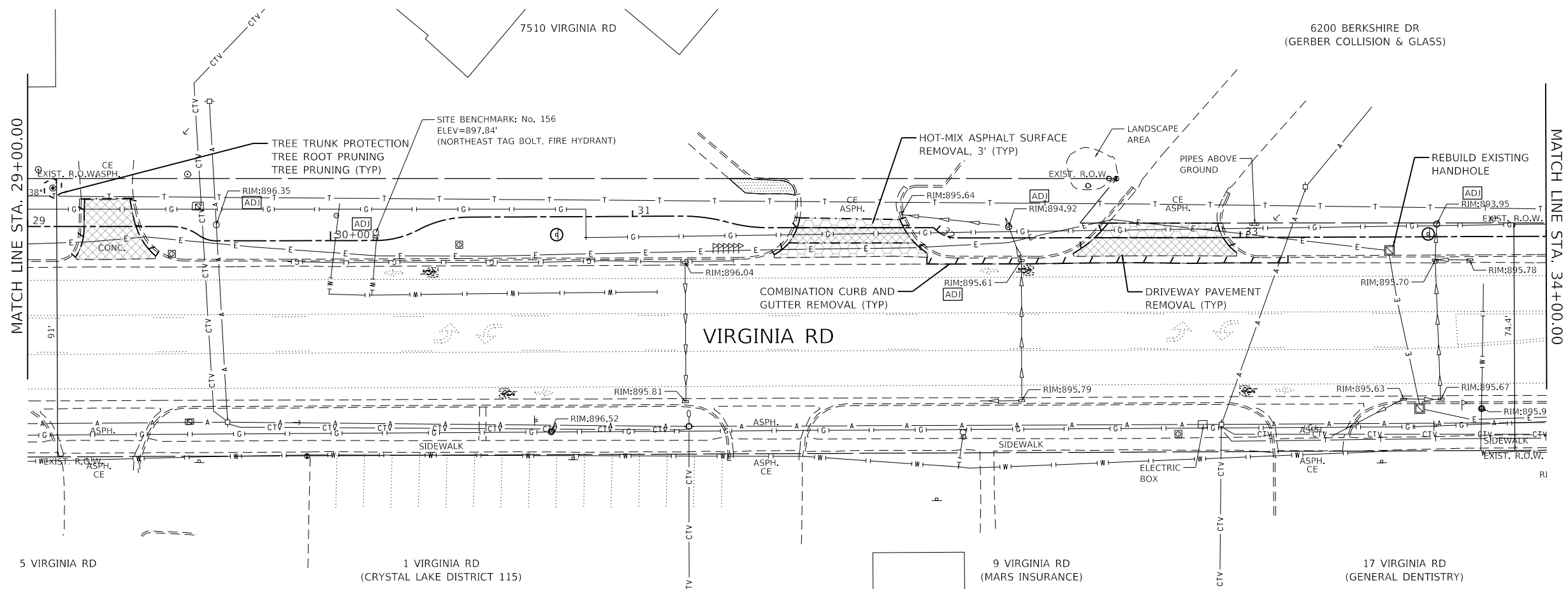
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

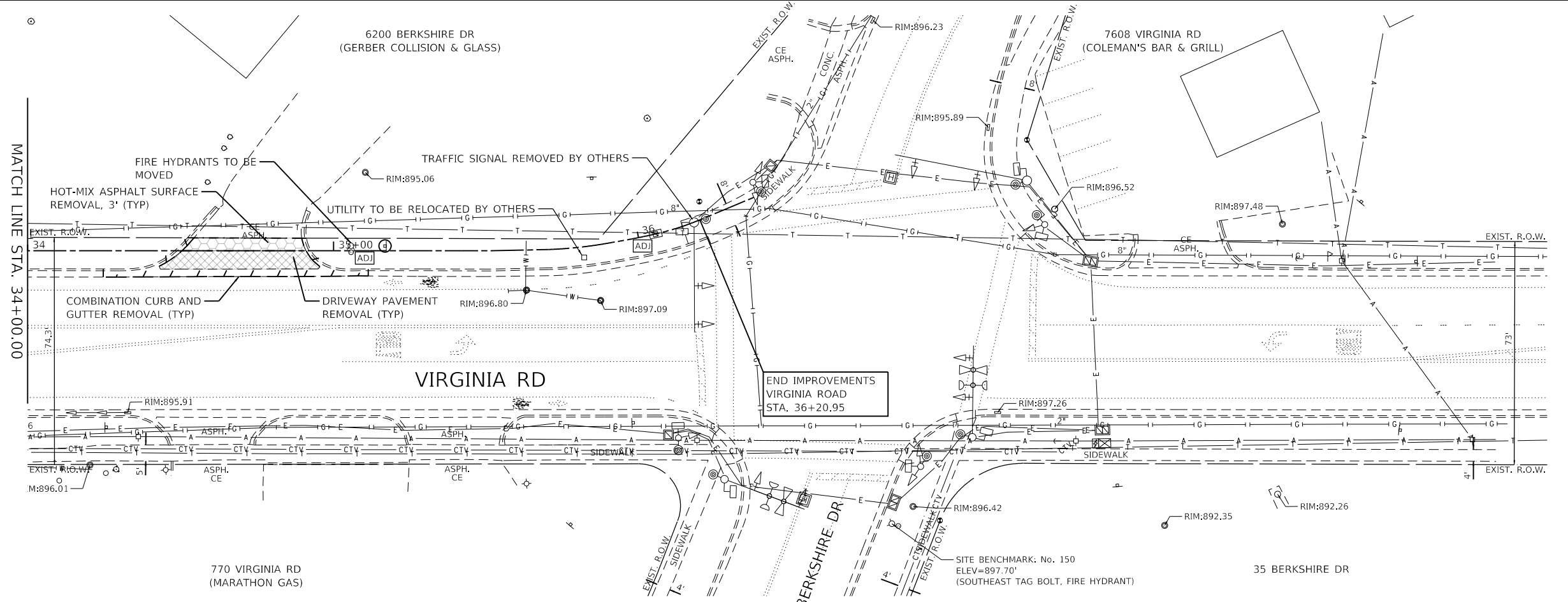
**REMOVAL PLANS - VIRGINIA ROAD
 CITY OF CRYSTAL LAKE, ILLINOIS**

SCALE: 1"=20' SHEET 2 OF 3 SHEETS STA. 19+00 TO STA. 29+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	17
			CONTRACT NO. 61171	
ILLINOIS FED. AID PROJECT				



NOTE:
 CONTRACTOR SHALL FIELD VERIFY SIDEWALK CONNECTIONS AT TECKLER BLVD AND BERKSHIRE DR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL MATCH INTO FLASHING YELLOW ARROW RAMP WORK THAT WAS INSTALLED PRIOR TO THIS CONTRACT IN ACCORDANCE WITH ADA PROWAG.



LEGEND	
[Pattern]	SIDEWALK REMOVAL
[Pattern]	DRIVEWAY PAVEMENT REMOVAL
[Pattern]	HOT-MIX ASPHALT SURFACE REMOVAL, 3"
[Pattern]	BIKE PATH REMOVAL
[Symbol]	COMB. CURB & GUTTER REMOVAL
[Symbol]	TREE REMOVAL
[Symbol]	UTILITY STRUCTURE TO BE ADJUSTED
[Symbol]	REMOVING AND RESETTING STREET SIGNS
[Symbol]	TREE TRUNK PROTECTION TREE ROOT PRUNING TREE PRUNING

GHA GEWALT HAMILTON ASSOCIATES, INC.

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CHECKED -	KLB
DATE -	7/10/2024

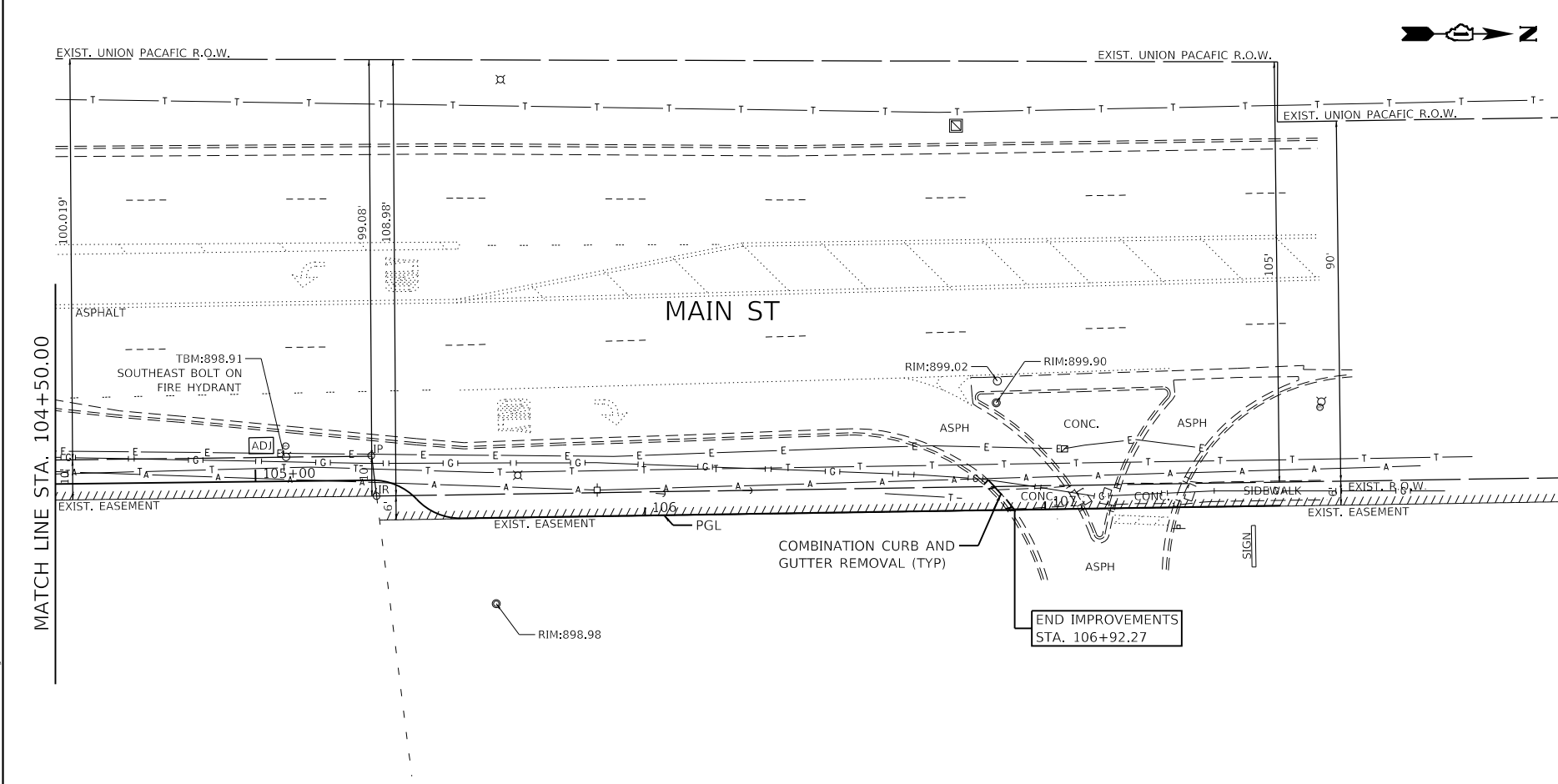
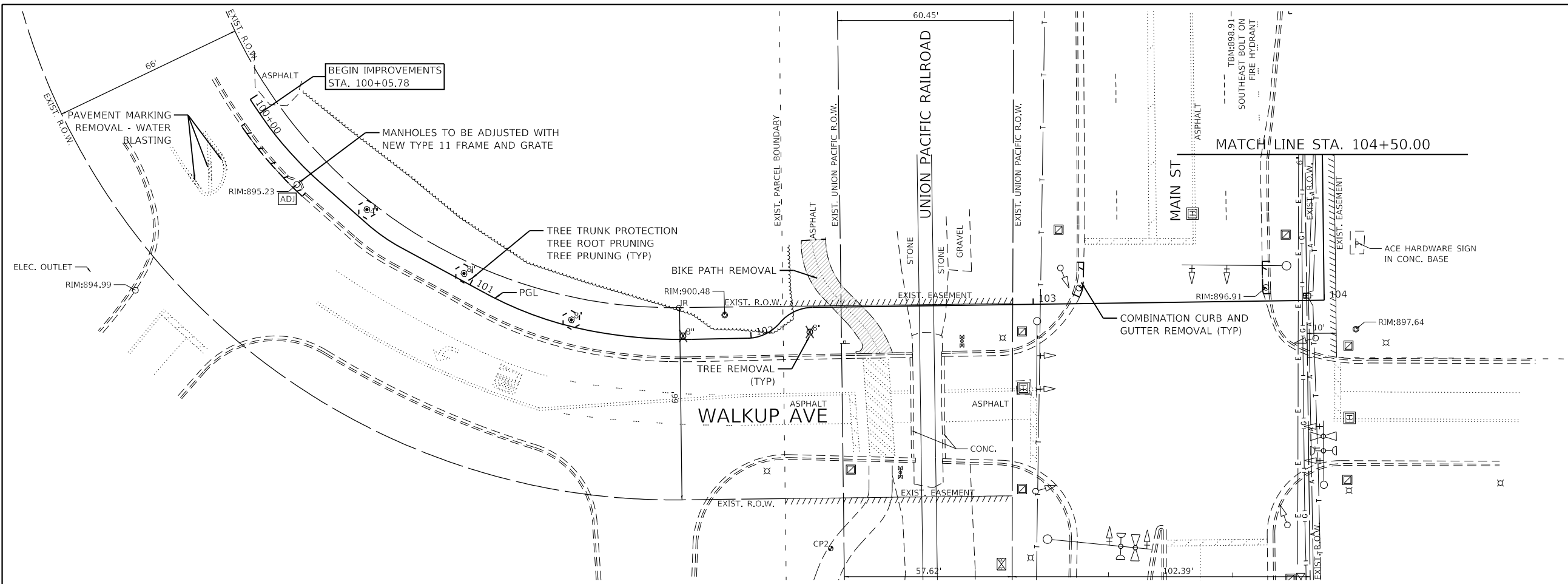
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DATE -	7/10/2024	REVISED -	


**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLANS - VIRGINIA ROAD
 CITY OF CRYSTAL LAKE, ILLINOIS**

SCALE: 1"=20' SHEET 3 OF 3 SHEETS STA. 29+00 TO STA. 38+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
124	21-00131-00-SW	MCHENRY	97	18
				CONTRACT NO. 61171
ILLINOIS FED. AID PROJECT				



- LEGEND**
-  SIDEWALK REMOVAL
 -  DRIVEWAY PAVEMENT REMOVAL
 -  HOT-MIX ASPHALT SURFACE REMOVAL, 3"
 -  BIKE PATH REMOVAL
 -  COMB. CURB & GUTTER REMOVAL
 -  TREE REMOVAL
 -  UTILITY STRUCTURE TO BE ADJUSTED
 -  REMOVING AND RESETTING STREET SIGNS
 -  TREE TRUNK PROTECTION
TREE ROOT PRUNING
TREE PRUNING

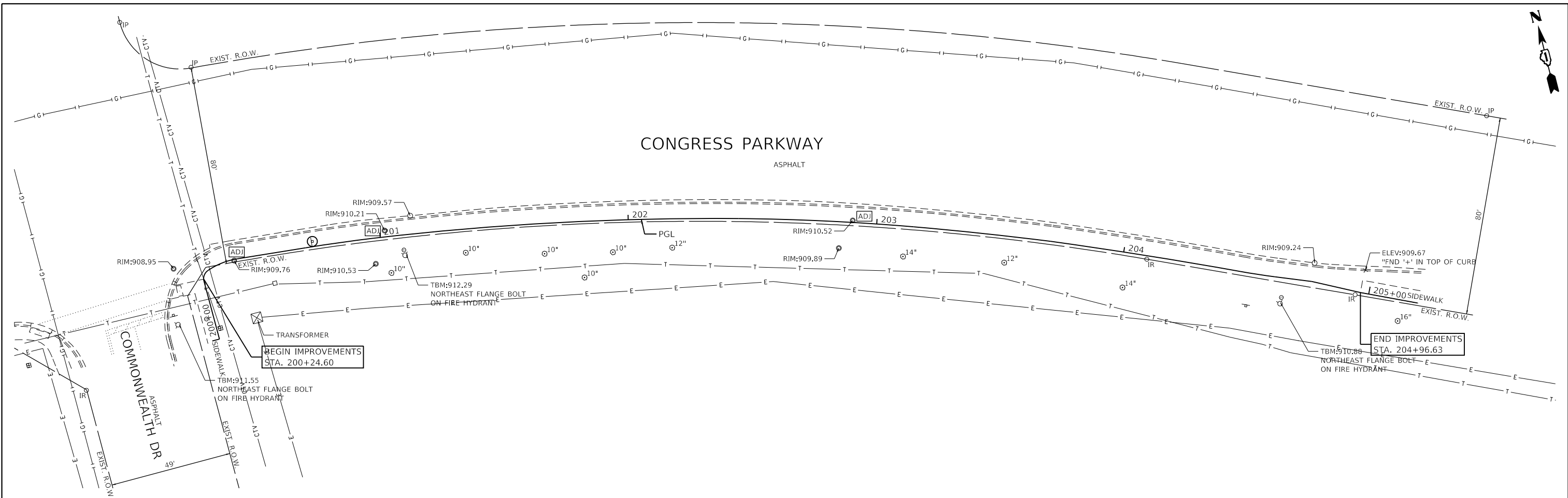
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Default	PLOT DATE = 7/1/2024	DATE - 7/10/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLANS - WALKUP AVENUE /MAIN STREET
CITY OF CRYSTAL LAKE, ILLINOIS
 SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 100+00 TO STA. 107+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	19
			CONTRACT NO. 61171	
ILLINOIS FED. AID PROJECT				



LEGEND

	SIDEWALK REMOVAL
	DRIVEWAY PAVEMENT REMOVAL
	HOT-MIX ASPHALT SURFACE REMOVAL, 3"
	BIKE PATH REMOVAL
	COMB. CURB & GUTTER REMOVAL
	TREE REMOVAL
	UTILITY STRUCTURE TO BE ADJUSTED
	REMOVING AND RESETTING STREET SIGNS
	TREE TRUNK PROTECTION TREE ROOT PRUNING TREE PRUNING

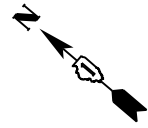
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Default	PLOT DATE = 7/1/2024	DATE - 7/10/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLANS - CONGRESS PARKWAY
CITY OF CRYSTAL LAKE, ILLINOIS
 SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 200+00 TO STA. 205+20

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	20
			CONTRACT NO. 61171	
		ILLINOIS FED. AID PROJECT		

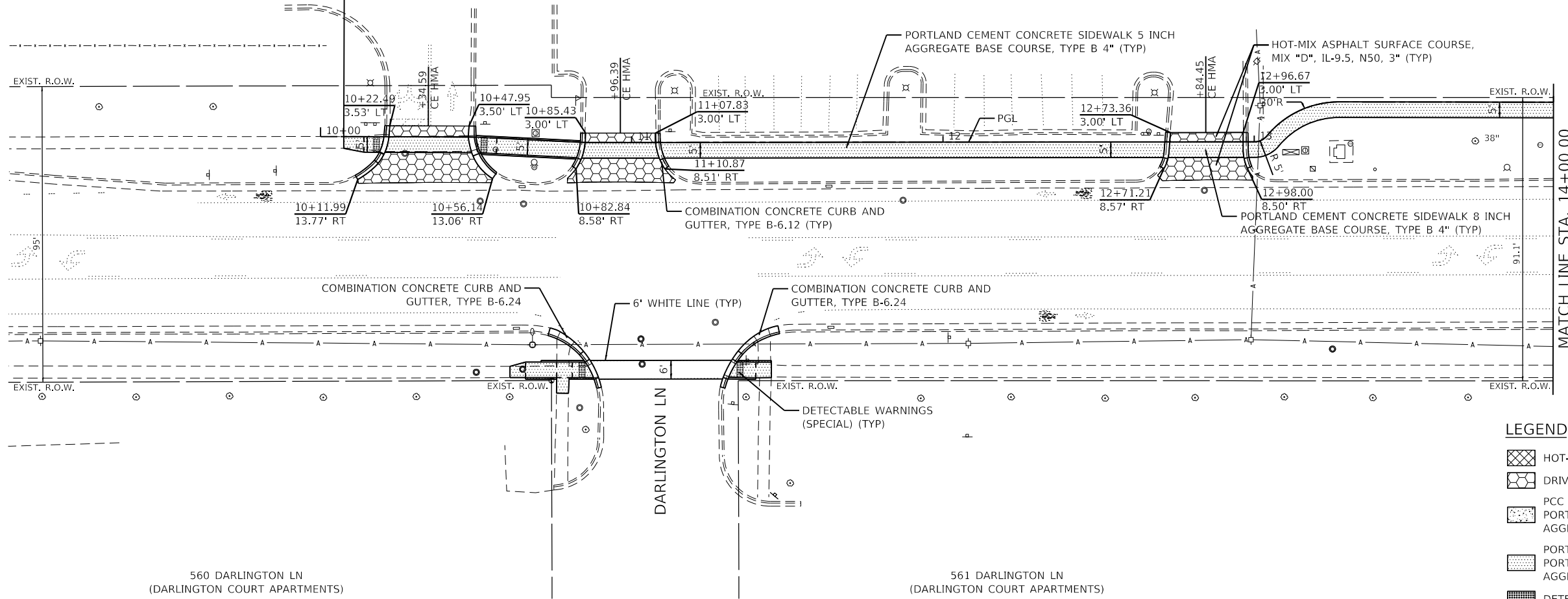


105 NORTHWEST HWY
(MARIANO'S)

7218 VIRGINIA RD
(AAMCO)

633 VIRGINIA RD
(VIRGINIA ROAD CONDOMINIUMS)

BEGIN IMPROVEMENTS
VIRGINIA ROAD
STA. 10+07.46

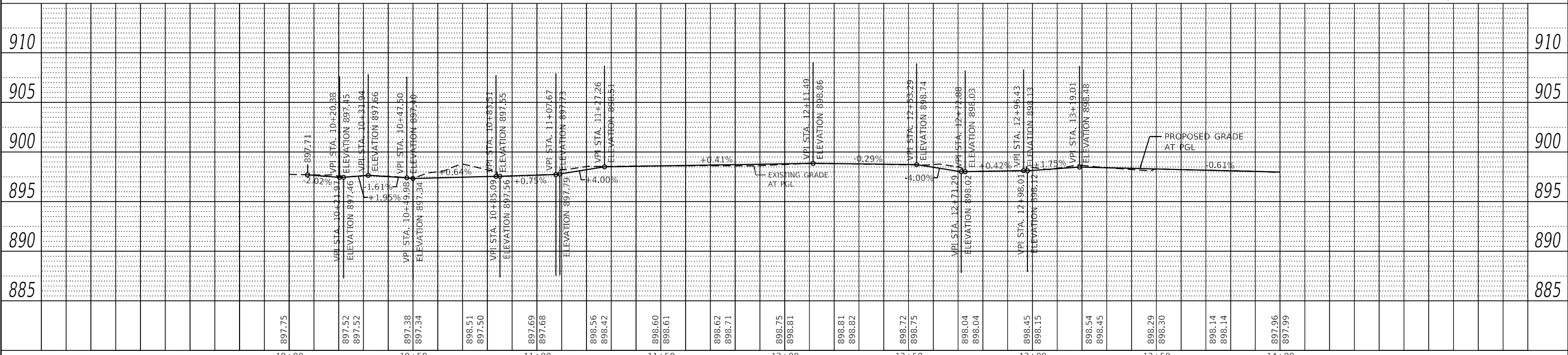


LEGEND

- HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
- DRIVEWAY RESURFACING
- PCC DRIVEWAY
- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8" AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH OR PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH (CE) AGGREGATE BASE COURSE, TYPE B 4"
- DETECTABLE WARNINGS (SPECIAL)
- COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
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	FILE NAME	

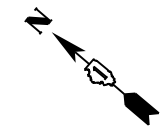
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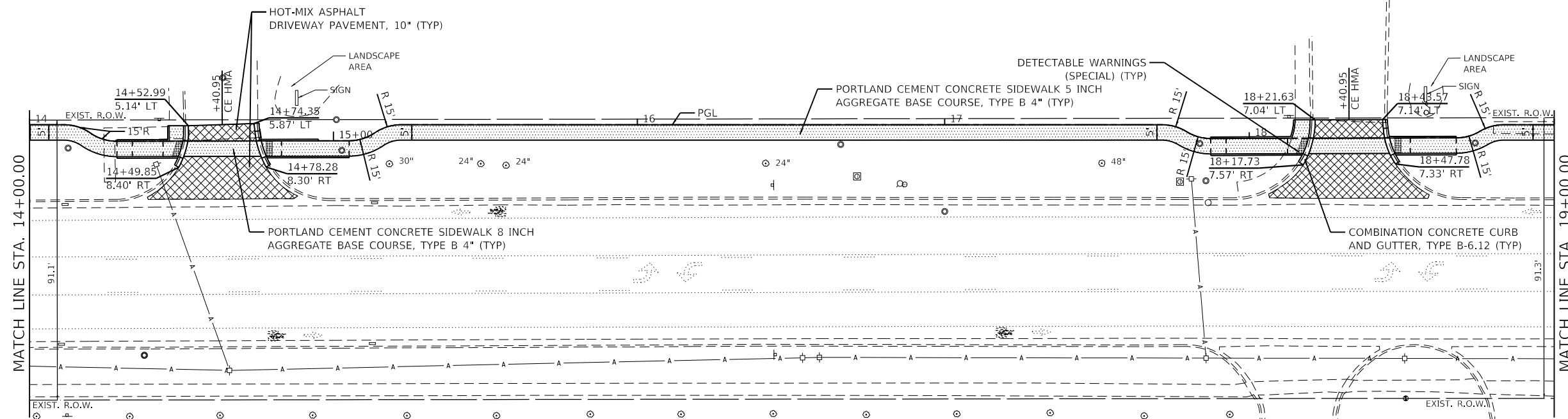
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5423.13		CHECKED - KLB	REVISED -		SCALE: H: 1"=20'	SHEET 1 OF 6 SHEETS	STA. 10+00	TO STA. 14+00		CONTRACT NO. 61171	
Default		DATE - 7/1/2024	REVISED -						ILLINOIS FED. AID PROJECT		

614 VIRGINIA RD
(VIRGINIA ROAD CONDOMINIUMS)



PLAN	
BY	DATE
REVISIONS	
NO.	
DATE	
DESCRIPTION	



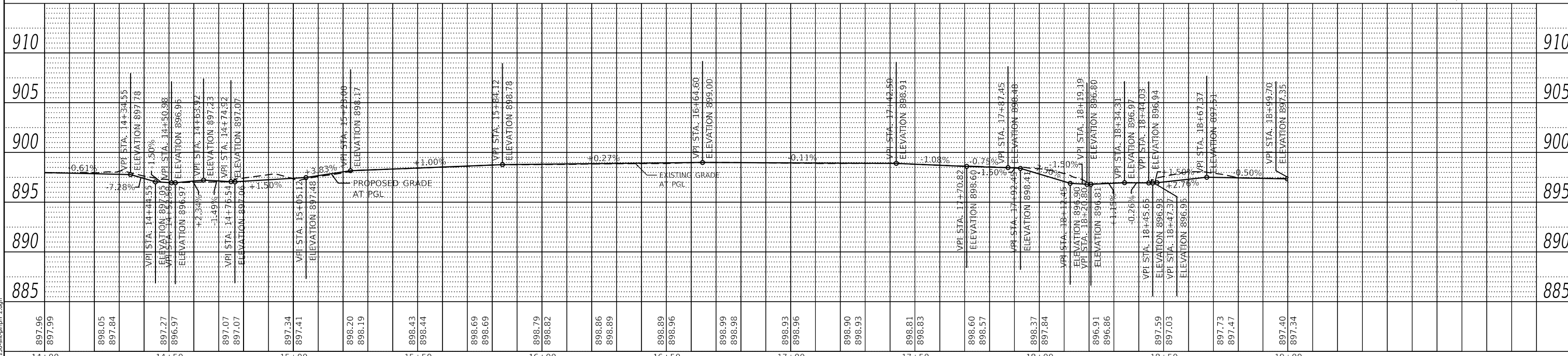
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BY	DATE
REVISIONS	
NO.	
DATE	
DESCRIPTION	

560 DARLINGTON LN
(DARLINGTON COURT APARTMENTS)

VIRGINIA RD

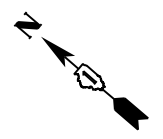
LEGEND

- HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
- DRIVEWAY RESURFACING
- PCC DRIVEWAY
- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8" AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH OR PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH (CE) AGGREGATE BASE COURSE, TYPE B 4"
- DETECTABLE WARNINGS (SPECIAL)
- COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12



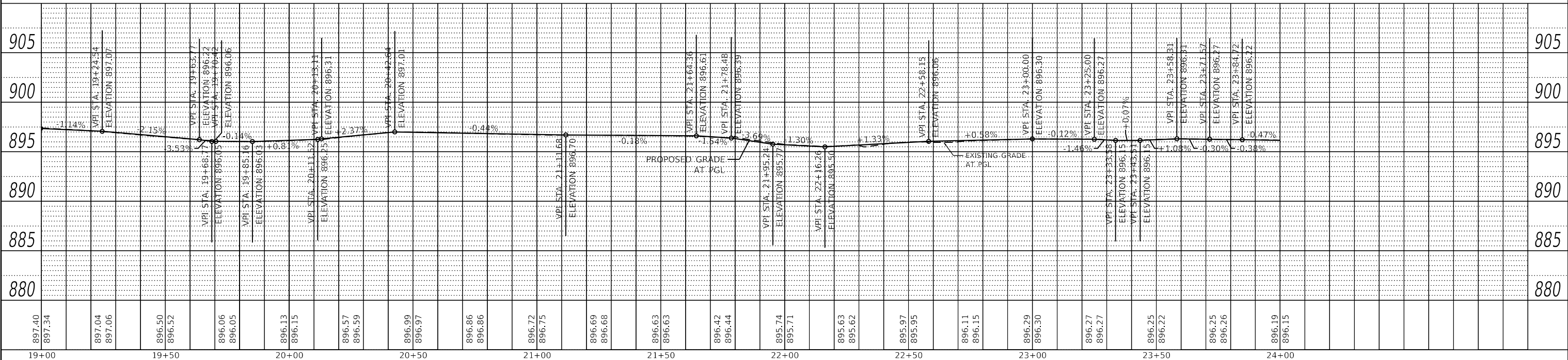
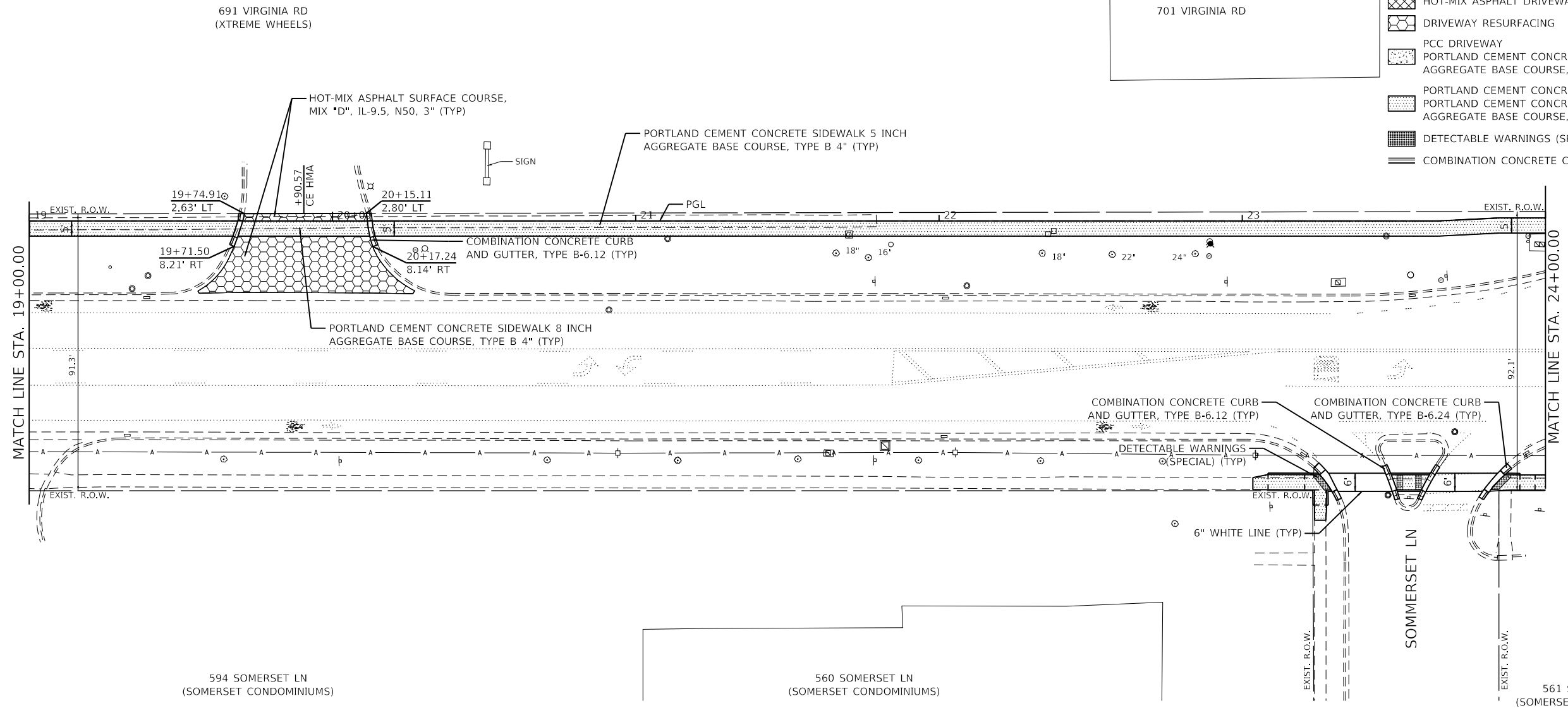
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PLOT DATE = 7/1/2024	DATE - 7/10/2024	REVISED -	REVISED -						



LEGEND

- HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
- DRIVEWAY RESURFACING
- PCC DRIVEWAY
- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8" AGGREGATE BASE COURSE, TYPE B 4"
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- DETECTABLE WARNINGS (SPECIAL)
- COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12



PLAN	SURVEYED	DATE
	PLOTTED	
NOTE BOOK	ALIGNED	
	CHECKED	
NO. _____		
FILE NAME _____		

PROFILE	SURVEYED	DATE
	PLOTTED	
NOTE BOOK	GRADES CHECKED	
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NO. _____		
FILE NAME _____		

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DESIGNED - KLB	REVISED -
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DATE - 7/10/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

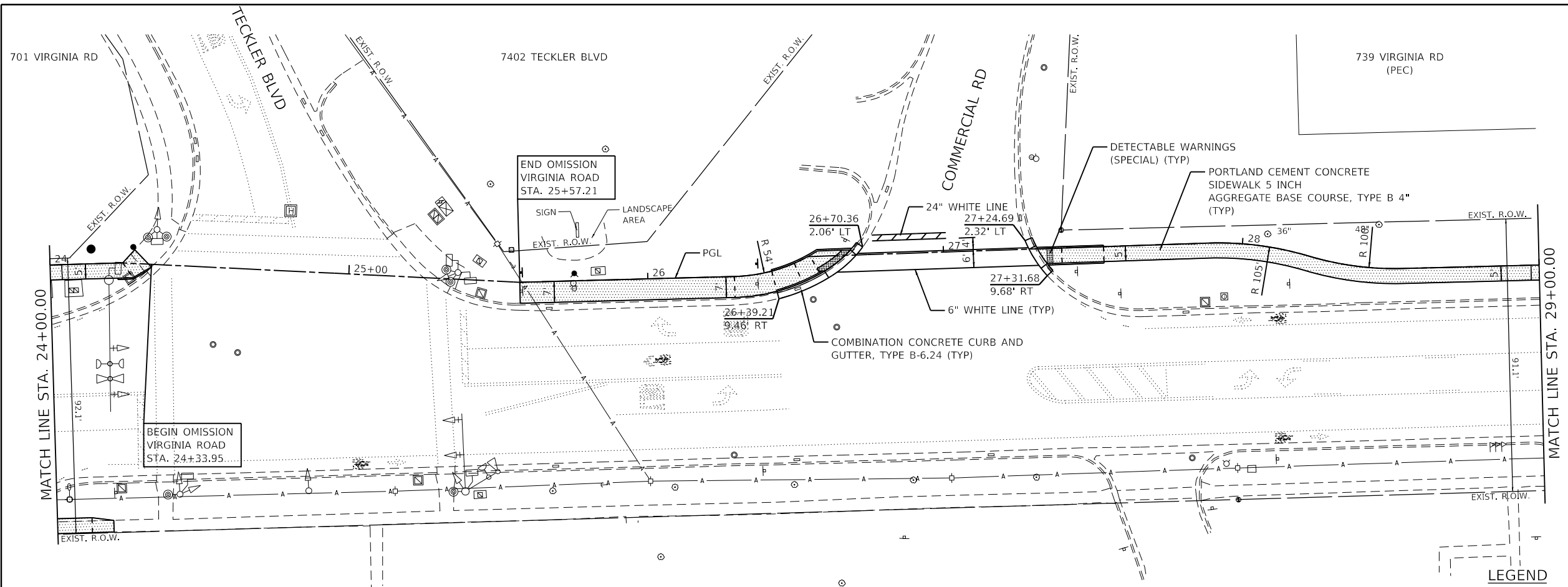
PLAN AND PROFILE - VIRGINIA ROAD	
CITY OF CRYSTAL LAKE, ILLINOIS	
SCALE: H: 1"=20'	SHEET 3 OF 6 SHEETS
STA. 19+00	TO STA. 24+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	23
CONTRACT NO. 61171			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
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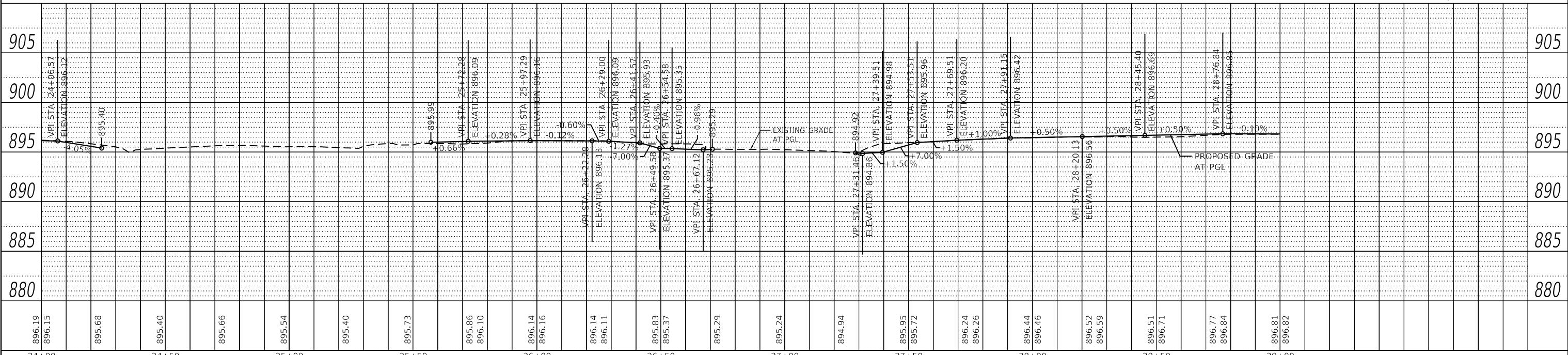
GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: Default
 FILE NAME: 5423-130-shr-plnprf 4.dgn



NOTE:
 CONTRACTOR SHALL FIELD VERIFY SIDEWALK CONNECTIONS AT TECKLER BLVD AND BERKSHIRE DR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL MATCH INTO FLASHING YELLOW ARROW RAMP WORK THAT WAS INSTALLED PRIOR TO THIS CONTRACT IN ACCORDANCE WITH ADA PROWAG.

LEGEND

- HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
- DRIVEWAY RESURFACING
- PCC DRIVEWAY
- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8" AGGREGATE BASE COURSE, TYPE B 4"
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- DETECTABLE WARNINGS (SPECIAL)
- COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12

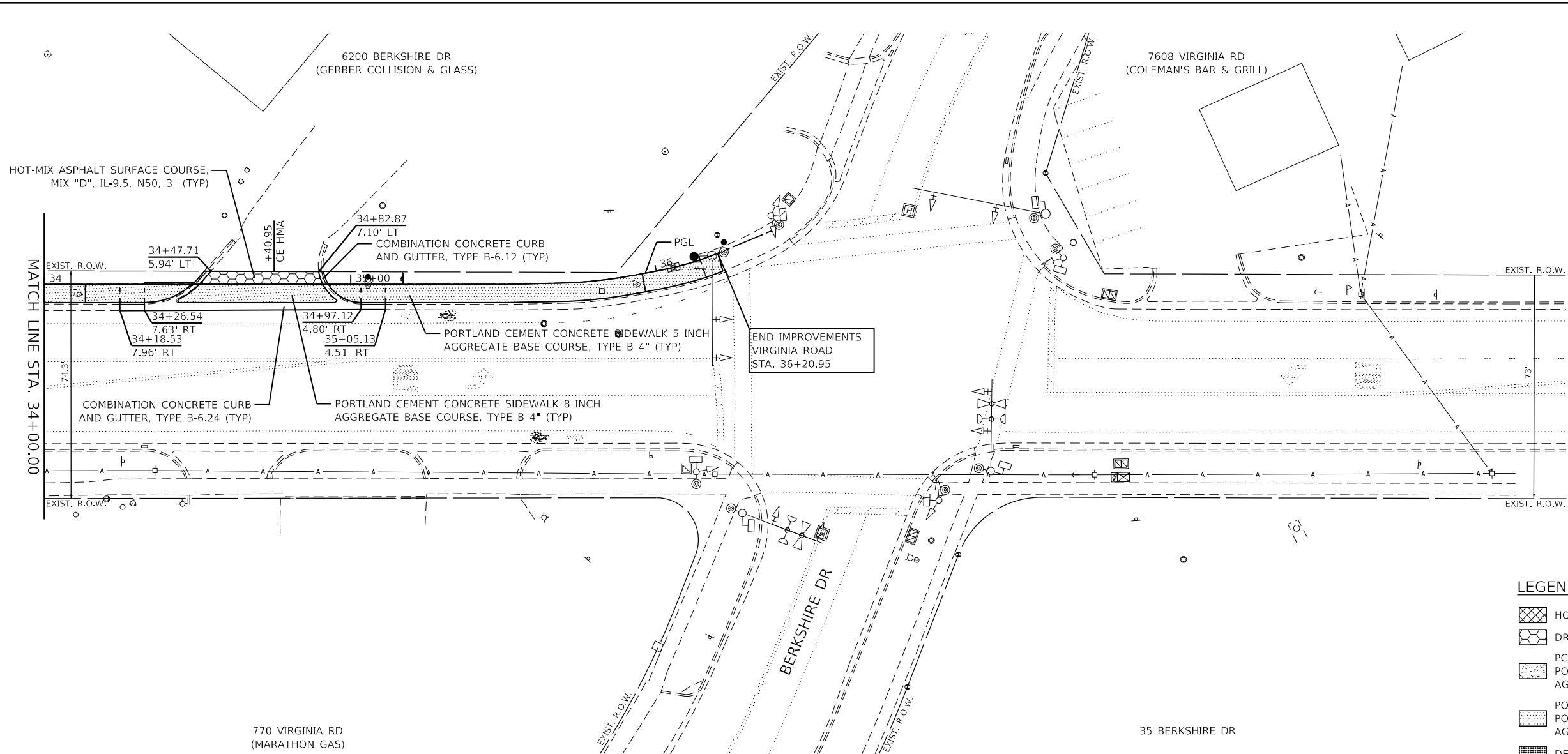


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5423-130-shr-plnprf 4.dgn		DRAWN - DGO	REVISED -		CITY OF CRYSTAL LAKE, ILLINOIS		0124	21-00131-00-SW	MCHENRY	97	24
5423.13		CHECKED - KLB	REVISED -		SCALE: H: 1"=20'		SHEET 4 OF 6 SHEETS		STA. 24+00 TO STA. 29+00		CONTRACT NO. 61171
Default		DATE - 7/1/2024	REVISED -		V: 1"=5'				ILLINOIS FED. AID PROJECT		

DATE	
BY	
PLAN	
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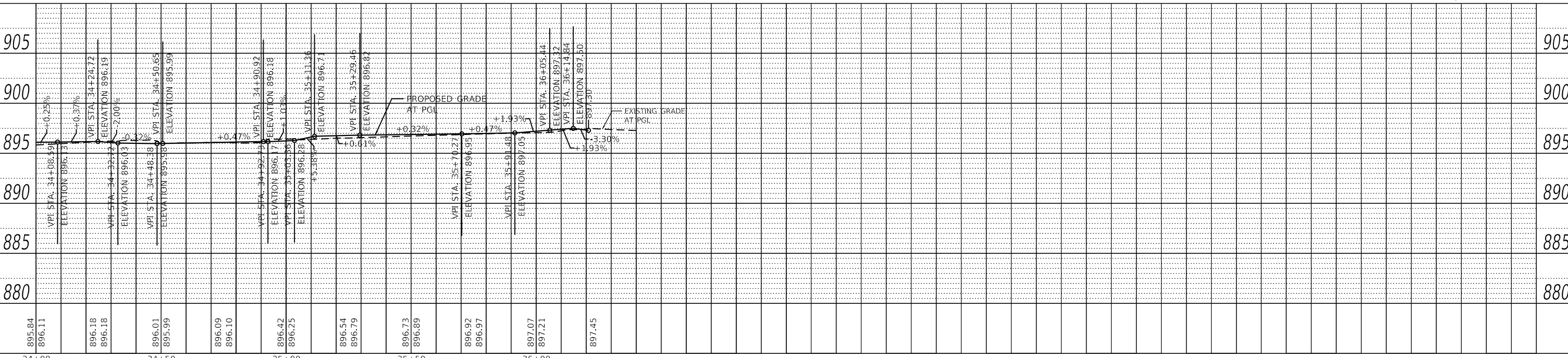
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PLAN	
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GHA GEWALT HAMILTON ASSOCIATES, INC.
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NOTE:
 CONTRACTOR SHALL FIELD VERIFY SIDEWALK CONNECTIONS AT TECKLER BLVD AND BERKSHIRE DR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL MATCH INTO FLASHING YELLOW ARROW RAMP WORK THAT WAS INSTALLED PRIOR TO THIS CONTRACT IN ACCORDANCE WITH ADA PROWAG.

- LEGEND**
- HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
 - DRIVEWAY RESURFACING
 - PCC DRIVEWAY
 - PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8" AGGREGATE BASE COURSE, TYPE B 4"
 - PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH OR PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH (CE) AGGREGATE BASE COURSE, TYPE B 4"
 - DETECTABLE WARNINGS (SPECIAL)
 - COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12



FILE NAME =	USER NAME = D0lesak	DESIGNED - KLB	REVISED -
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Default		DATE - 7/10/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

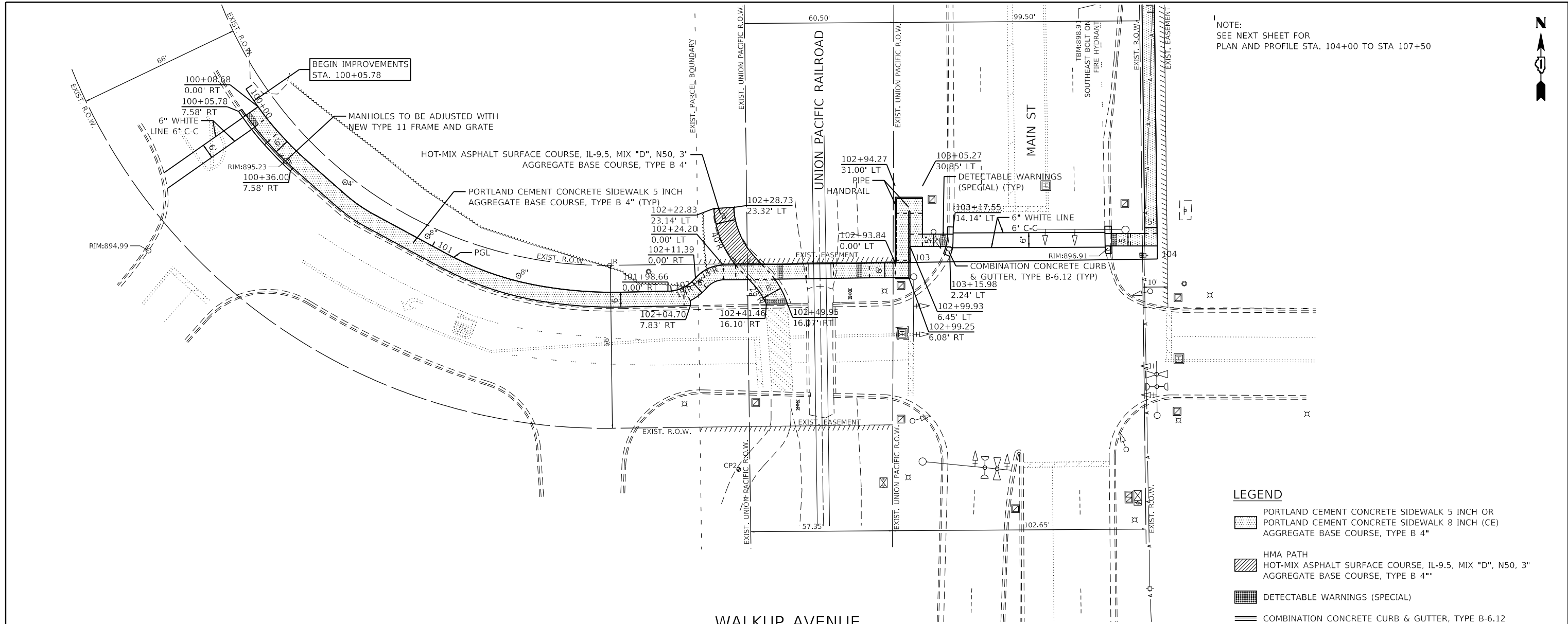
PLAN AND PROFILE - VIRGINIA ROAD
CITY OF CRYSTAL LAKE, ILLINOIS
 SCALE: H: 1"=20' SHEET 6 OF 6 SHEETS STA. 34+00 TO STA. 37+50
 V: 1"=5'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	26
			CONTRACT NO. 61171	
		ILLINOIS FED. AID PROJECT		

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	BY	
	NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	BY	
	NO.	
	FILE NAME	

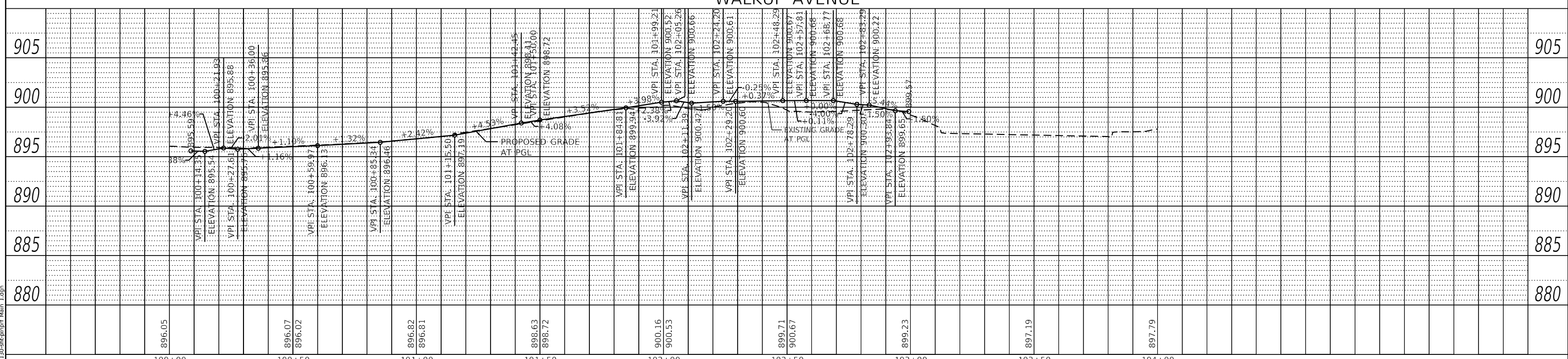
GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: Default
 FILE NAME: 5423-130-shl-plnprf Main 1.dgn



NOTE:
 SEE NEXT SHEET FOR
 PLAN AND PROFILE STA. 104+00 TO STA 107+50

LEGEND

- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH OR PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH (CE) AGGREGATE BASE COURSE, TYPE B 4"
- HMA PATH
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 3" AGGREGATE BASE COURSE, TYPE B 4"
- DETECTABLE WARNINGS (SPECIAL)
- COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12

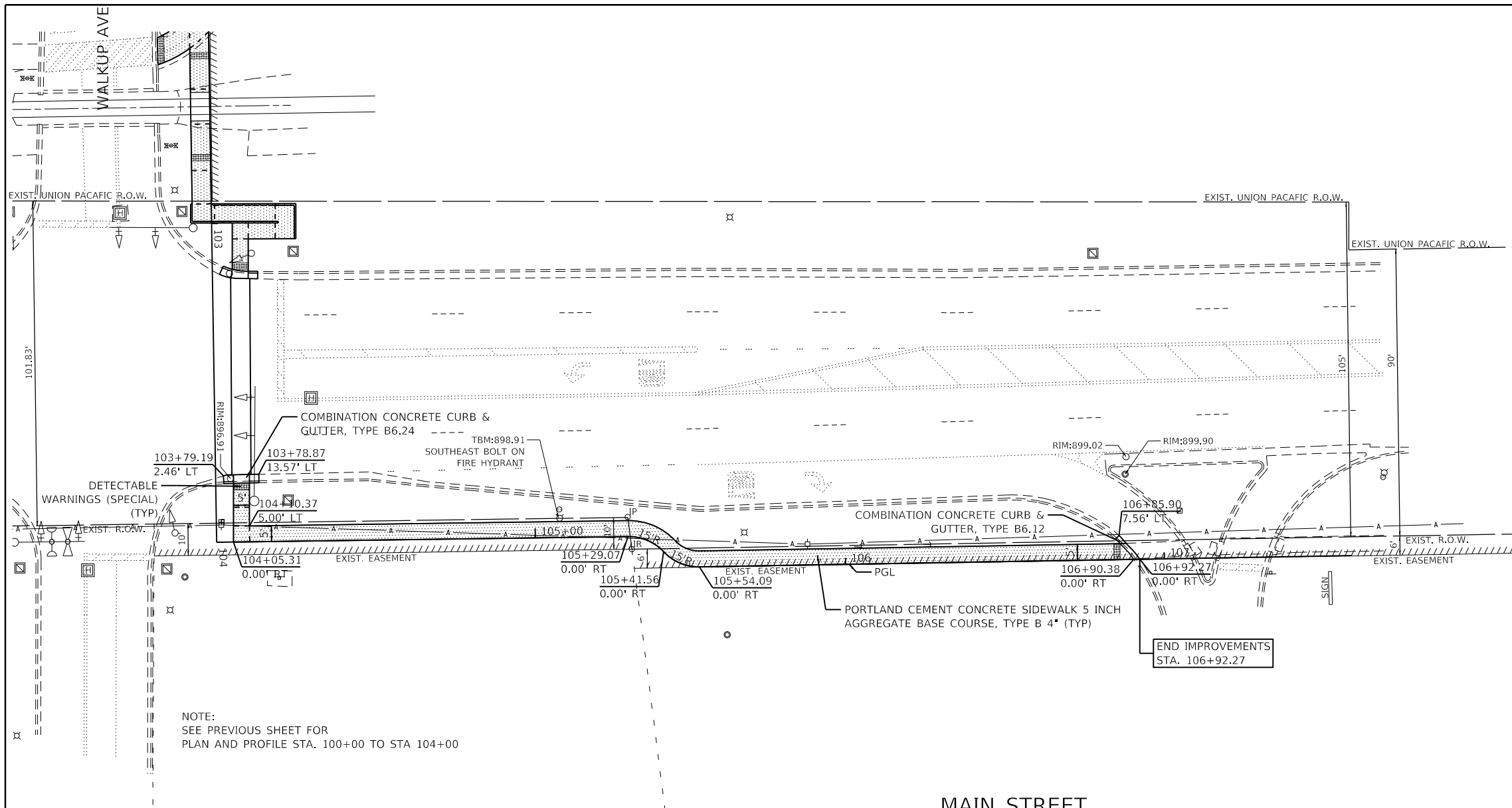


FILE NAME =	USER NAME = D0lesak	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE - WALKUP AVENUE /MAIN STREET CITY OF CRYSTAL LAKE, ILLINOIS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5423-130-shl-plnprf Main 1.dgn		DRAWN - DGO	REVISED -			0124	21-00131-00-SW	MCHENRY	97	27
5423.13		CHECKED - KLB	REVISED -			CONTRACT NO. 61171				
Default		DATE - 7/10/2024	REVISED -			ILLINOIS FED. AID PROJECT				
				SCALE: H: 1"=20'		SHEET 1 OF 2 SHEETS		STA. 100+00 TO STA. 104+00		
				V: 1"=5'						



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	DATE	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	DATE	
	BY	
	NO.	

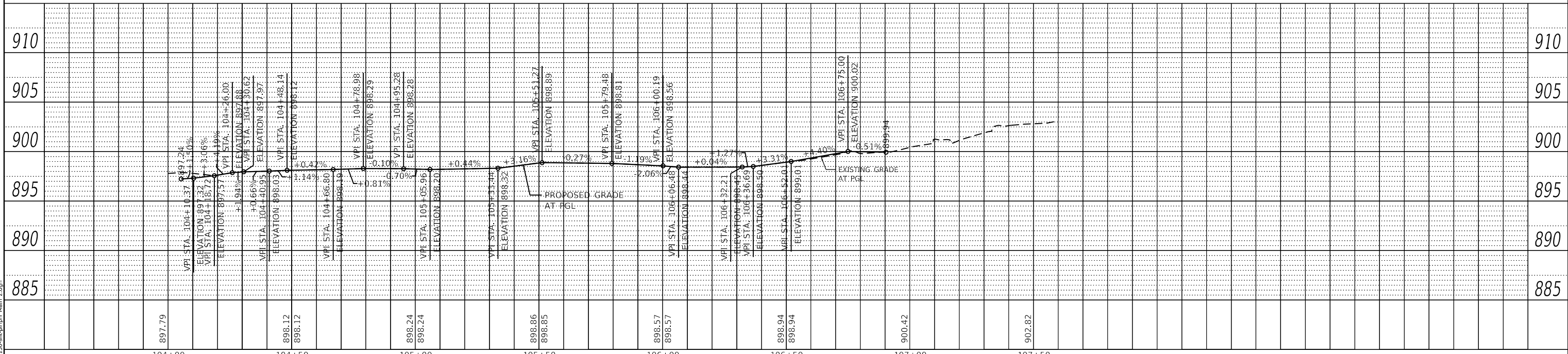


NOTE:
SEE PREVIOUS SHEET FOR
PLAN AND PROFILE STA. 100+00 TO STA 104+00

LEGEND

- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH OR
- PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH (CE)
- AGGREGATE BASE COURSE, TYPE B 4*
- HMA PATH
- HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 3" AGGREGATE BASE COURSE, TYPE B 4**
- DETECTABLE WARNINGS (SPECIAL)
- COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12

MAIN STREET



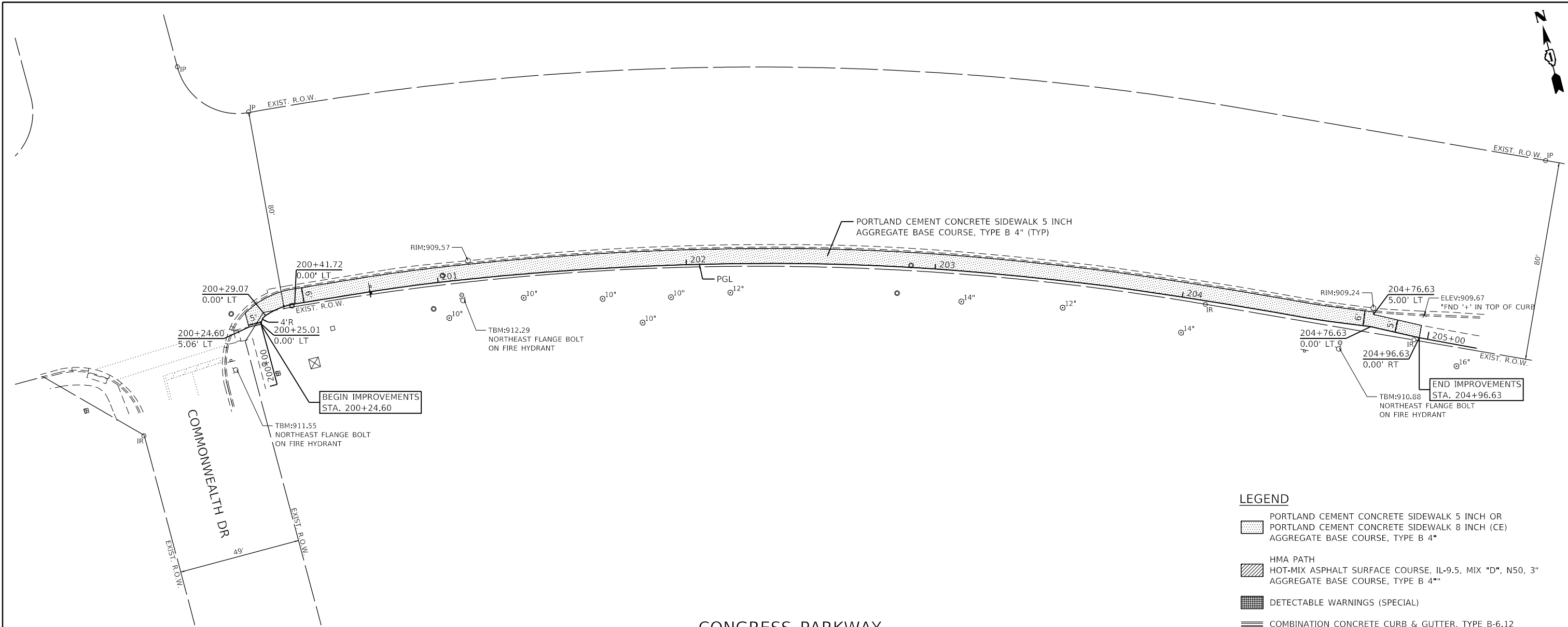
GHA GEWALT HAMILTON ASSOCIATES, INC.
MODEL: Default
FILE NAME: 5423-130-shl-plnprf Main 2.dgn

FILE NAME =	USER NAME = D0lesak	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE - WALKUP AVENUE /MAIN STREET		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5423-130-shl-plnprf Main 2.dgn		DRAWN - DGO	REVISED -		CITY OF CRYSTAL LAKE, ILLINOIS		0124	21-00131-00-SW	MCHENRY	97	28
5423.13		CHECKED - KLB	REVISED -		SCALE: H: 1"=20'	SHEET 2 OF 2 SHEETS	STA. 104+00	TO STA. 107+50		CONTRACT NO. 61171	
Default		DATE - 7/10/2024	REVISED -						ILLINOIS FED. AID PROJECT		

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	GRADES	
	NOTES	
	FILE NAME	
	NO.	

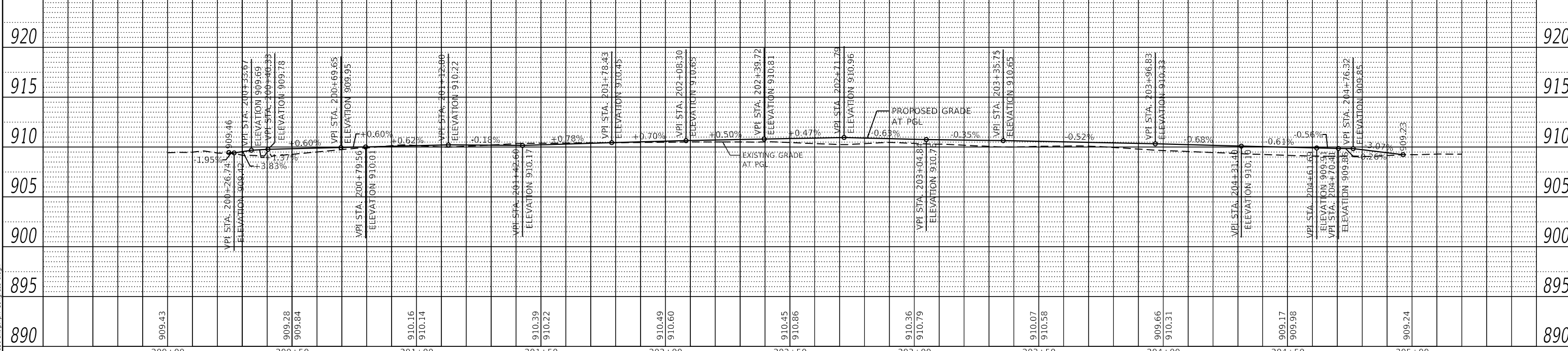
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	NOTES	
	FILE NAME	
	NO.	

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: Default
 FILE NAME: 5423-130-shl-plnprf-Congress 1.dgn



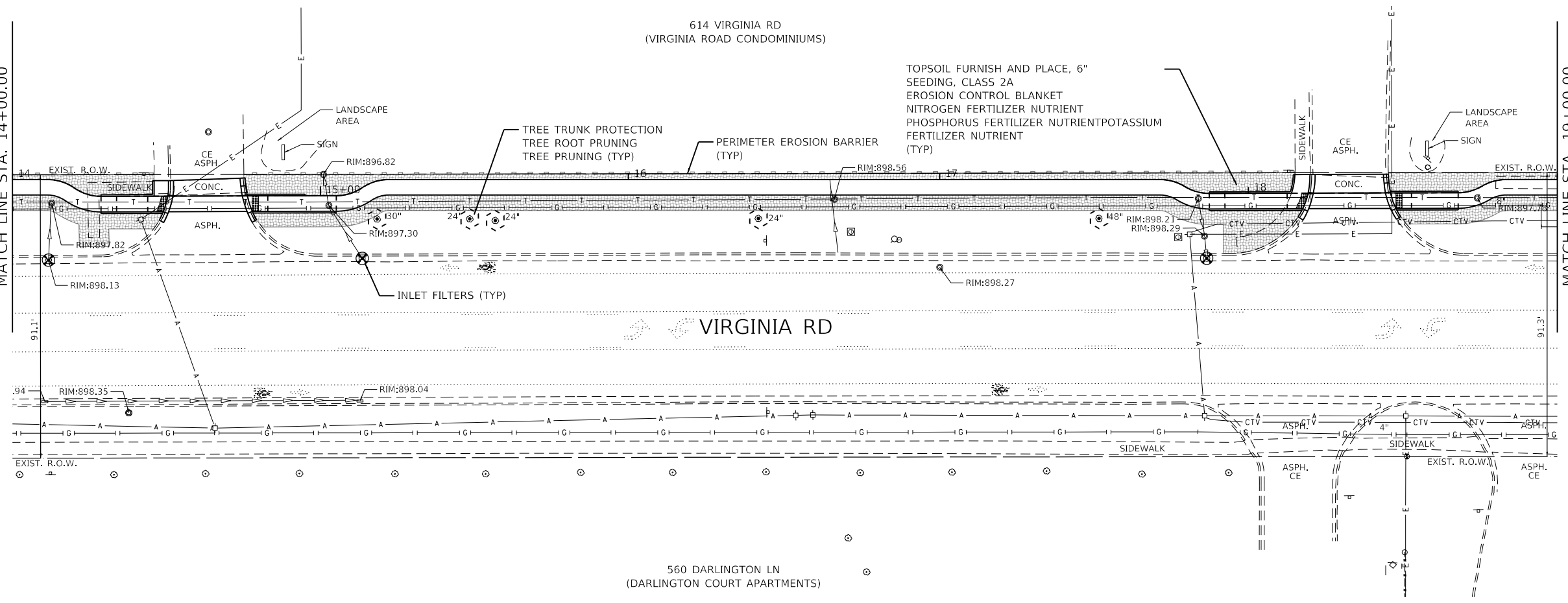
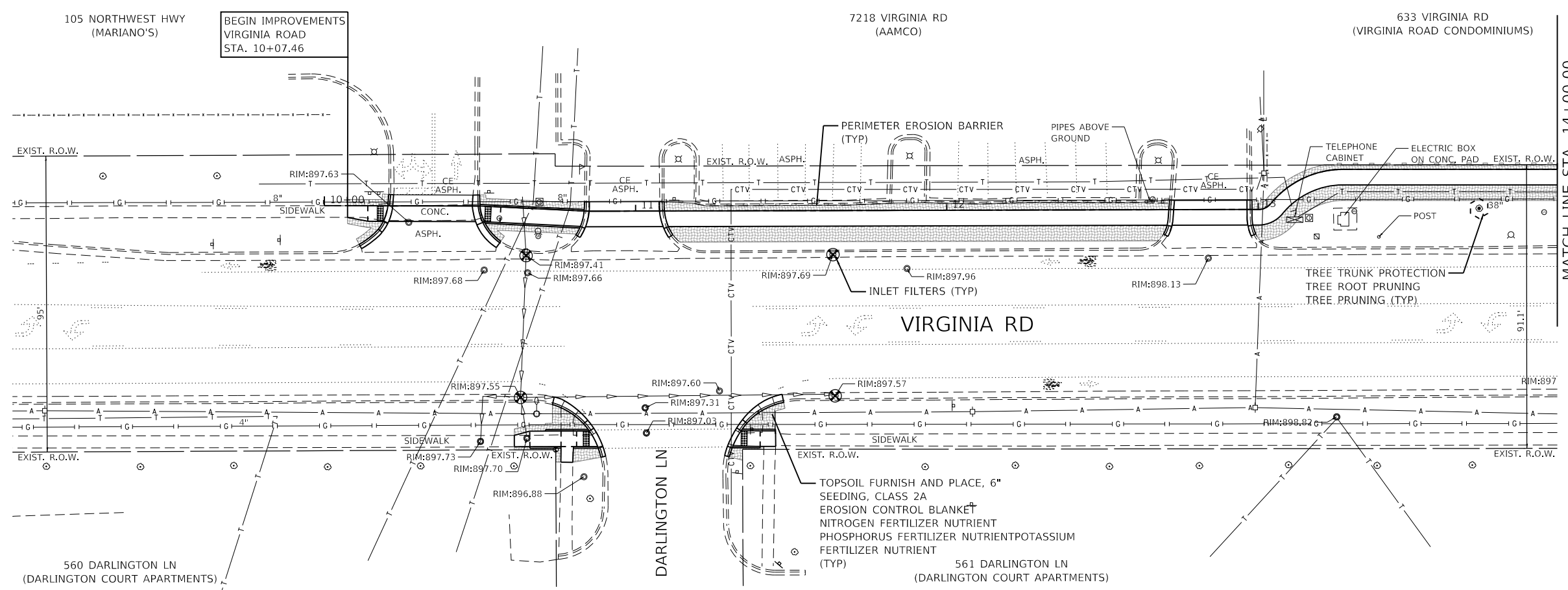
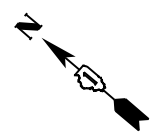
- LEGEND**
- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH OR PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH (CE) AGGREGATE BASE COURSE, TYPE B 4"
 - HMA PATH
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 3" AGGREGATE BASE COURSE, TYPE B 4"
 - DETECTABLE WARNINGS (SPECIAL)
 - COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12

CONGRESS PARKWAY



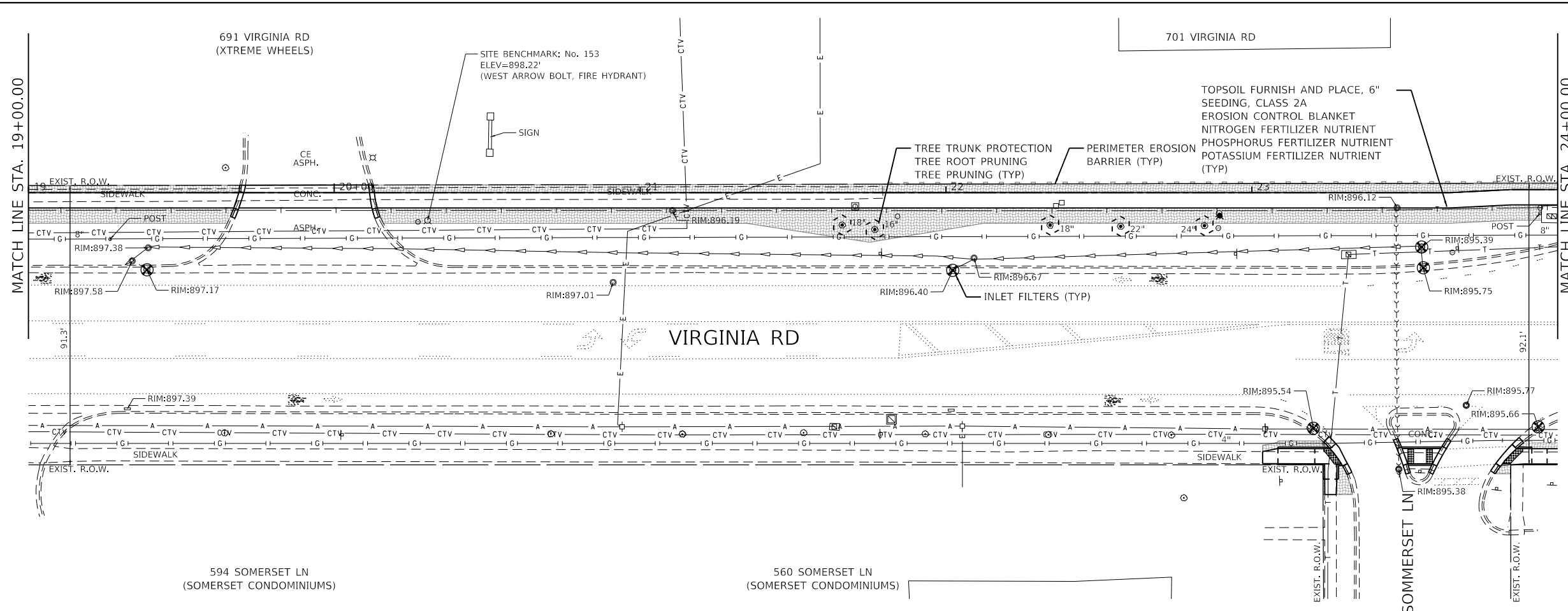
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5423-130-shl-plnprf Congress 1.dgn		DRAWN - DGO	REVISED -			0124	21-00131-00-SW	MCHENRY	97	29
5423.13		CHECKED - KLB	REVISED -			CONTRACT NO. 61171				
Default		DATE - 7/10/2024	REVISED -			ILLINOIS FED. AID PROJECT				

SCALE: H: 1"=20' SHEET 1 OF 1 SHEETS STA. 200+00 TO STA. 205+20
 V: 1"=5'



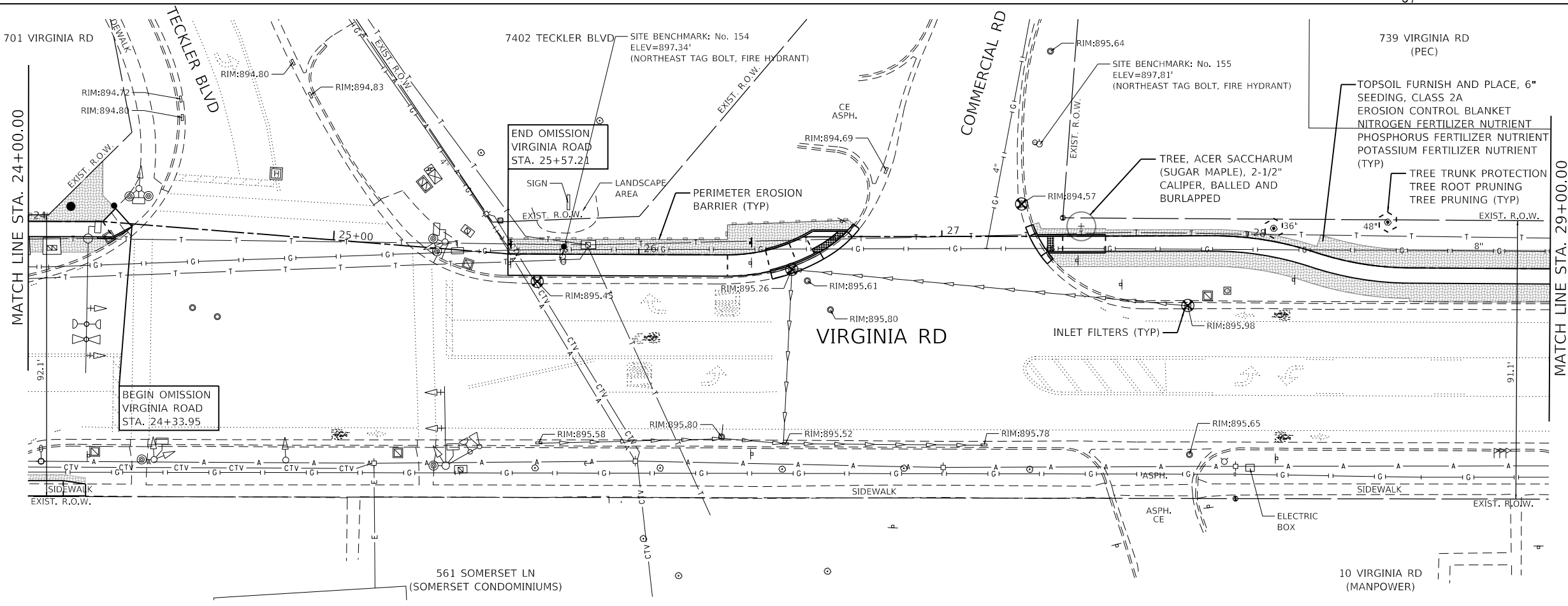
GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: Default
 FILE: 5423-130-sh-eros 1.dgn

FILE NAME = 5423-130-sh-eros 1.dgn	USER NAME = D0lesak	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL EROSION AND SEDIMENT CONTROL PLANS - VIRGINIA ROAD		F.A.U. RTE. 0124	SECTION 21-00131-00-SW	COUNTY MCHENRY	TOTAL SHEETS 97	SHEET NO. 30	
5423.13	PLOT SCALE = 1:40	CHECKED - KLB	REVISED -		CITY OF CRYSTAL LAKE, ILLINOIS		CONTRACT NO. 61171		ILLINOIS FED. AID PROJECT			
Default	PLOT DATE = 7/1/2024	DATE - 7/10/2024	REVISED -		SCALE: 1"=20'	SHEET 1 OF 3 SHEETS	STA.	TO STA.				



LEGEND

	TOPSOIL FURNISH AND PLACE, 6\"/>
	TREE TRUNK PROTECTION TREE ROOT PRUNING TREE PRUNING
	INLET FILTERS
	PERIMETER EROSION BARRIER
	PROPOSED TREE



GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: Default
 FILE: 5423-130-sh-eros 2.dgn

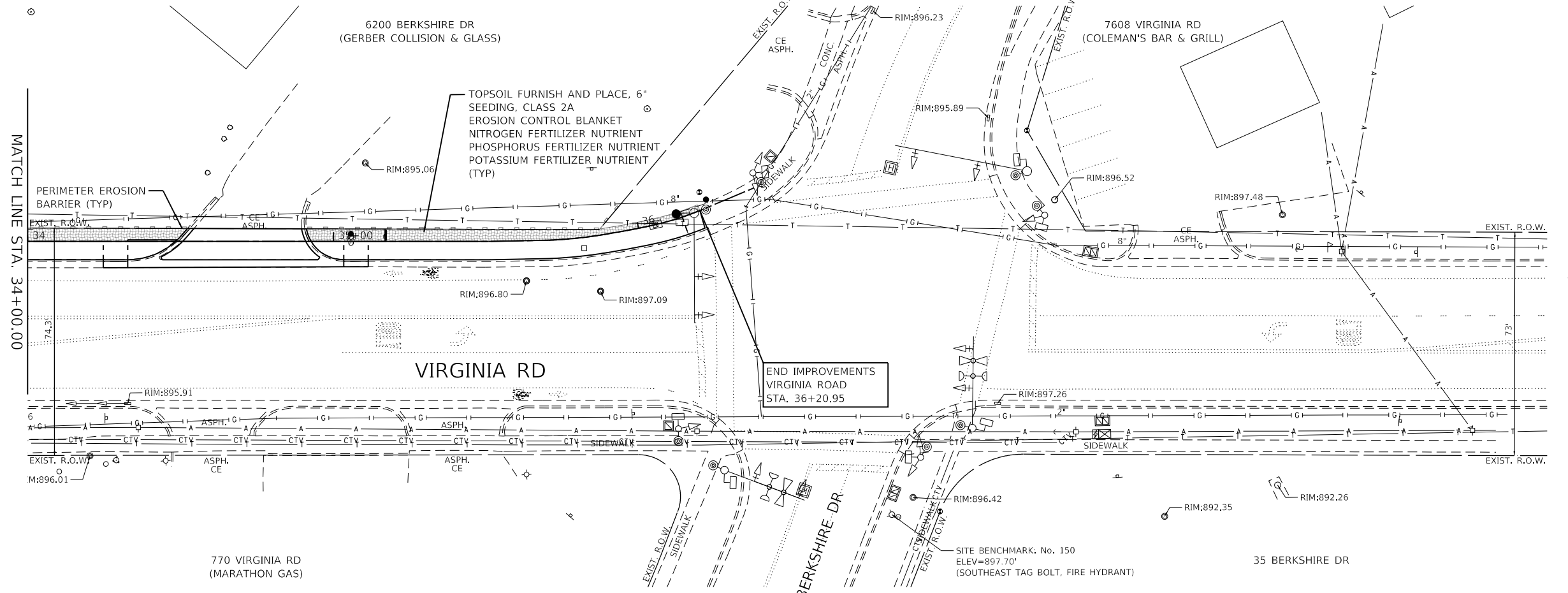
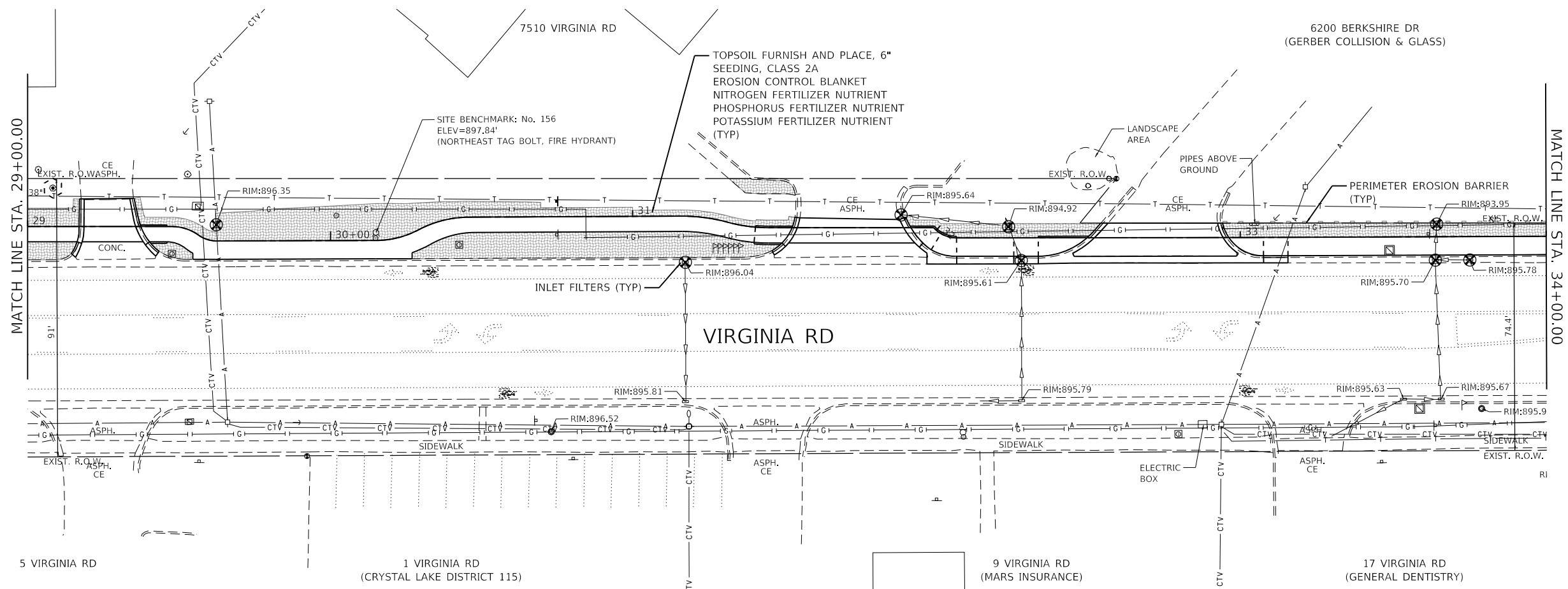
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5423-130-sh-eros 2.dgn		DRAWN - DGO	REVISED -
5423.13	PLOT SCALE = 1:40	CHECKED - KLB	REVISED -
Default	PLOT DATE = 7/1/2024	DATE - 7/10/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SOIL EROSION AND SEDIMENT CONTROL PLANS - VIRGINIA ROAD
 CITY OF CRYSTAL LAKE, ILLINOIS**

SCALE: 1"=20' SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	31
			CONTRACT NO. 61171	
		ILLINOIS	FED. AID PROJECT	



- LEGEND**
- TOPSOIL FURNISH AND PLACE, 6" SEEDING, CLASS 2A
 - EROSION CONTROL BLANKET
 - NITROGEN FERTILIZER NUTRIENT
 - PHOSPHORUS FERTILIZER NUTRIENT
 - POTASSIUM FERTILIZER NUTRIENT
 - TREE TRUNK PROTECTION
 - TREE ROOT PRUNING
 - TREE PRUNING
 - INLET FILTERS
 - PERIMETER EROSION BARRIER
 - PROPOSED TREE

GEHA GEWALT HAMILTON ASSOCIATES, INC.

FILE NAME = 5423-130-sht-eros 3.dgn
 USER NAME = D0hesak
 PLOT SCALE = 1:40
 PLOT DATE = 7/1/2024

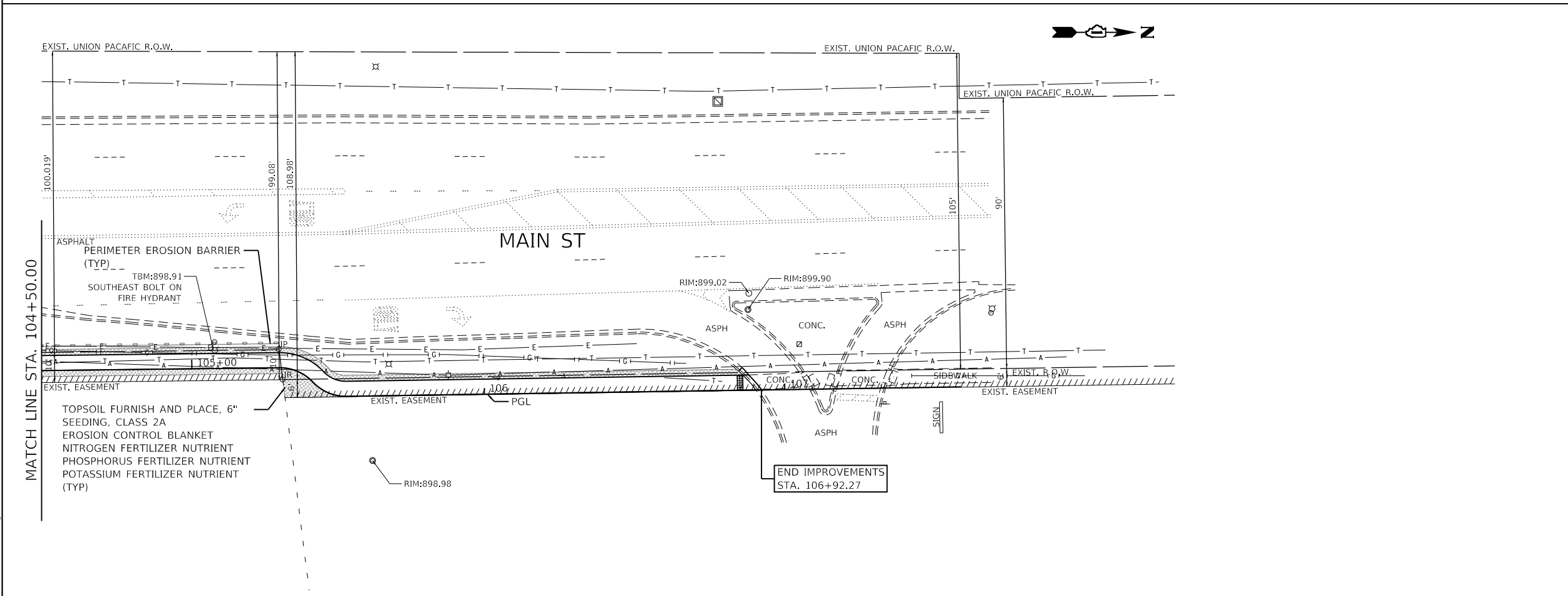
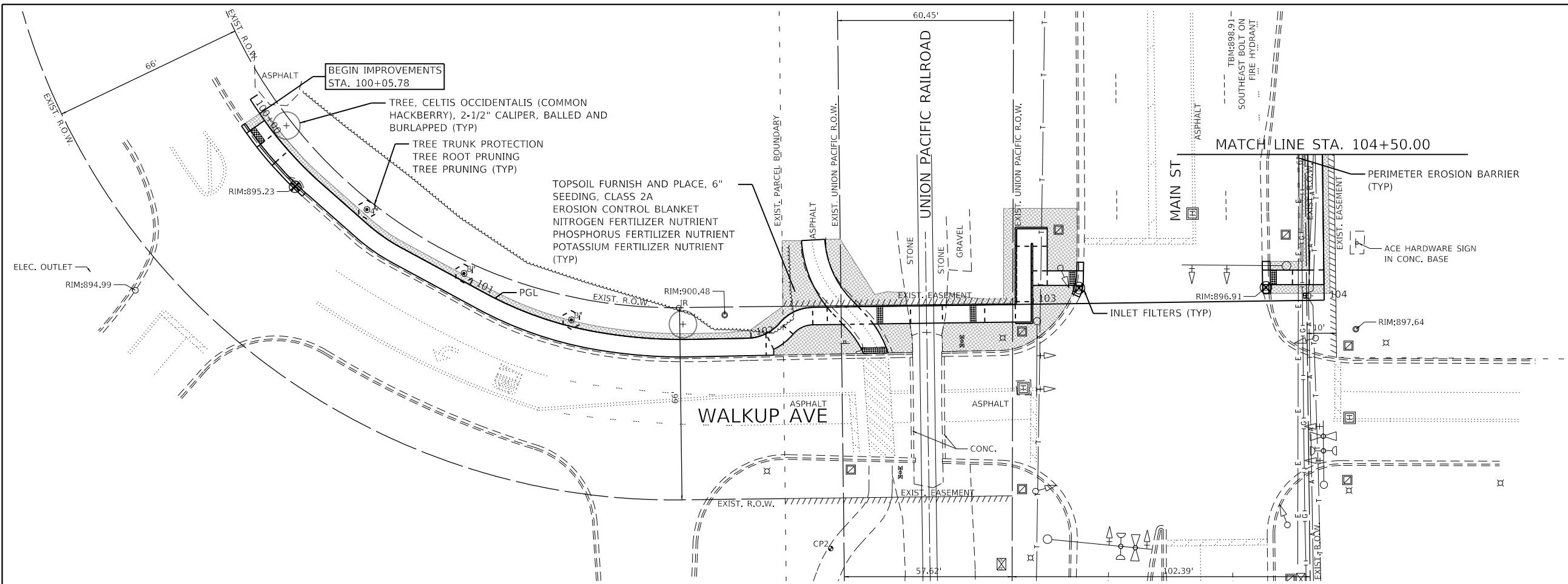
DESIGNED - KLB	REVISED -
DRAWN - DGO	REVISED -
CHECKED - KLB	REVISED -
DATE - 7/10/2024	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SOIL EROSION AND SEDIMENT CONTROL PLANS - VIRGINIA ROAD
 CITY OF CRYSTAL LAKE, ILLINOIS

SCALE: 1"=20'
 SHEET 3 OF 3 SHEETS
 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	32
				CONTRACT NO. 61171
ILLINOIS FED. AID PROJECT				



- LEGEND**
- TOPSOIL FURNISH AND PLACE, 6" SEEDING, CLASS 2A EROSION CONTROL BLANKET NITROGEN FERTILIZER NUTRIENT PHOSPHORUS FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT
 - TREE TRUNK PROTECTION TREE ROOT PRUNING TREE PRUNING
 - INLET FILTERS
 - PERIMETER EROSION BARRIER
 - PROPOSED TREE

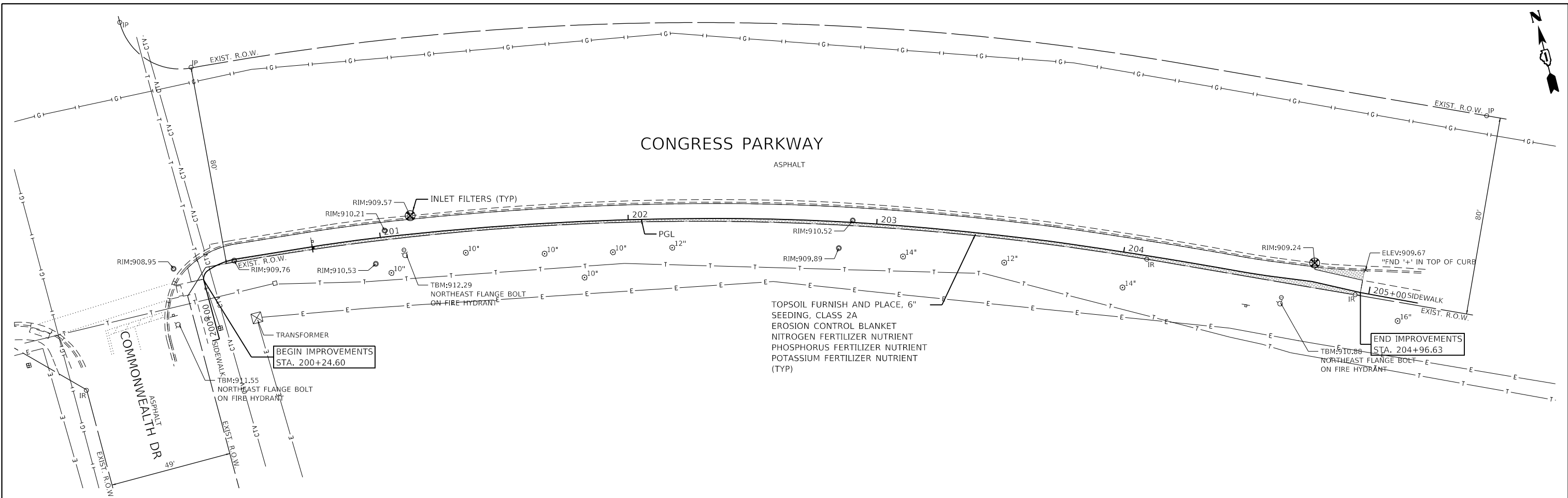
GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: Defaul
 FILE NAME: 5423-130-sht-eros Main 1.dgn
 5423.13
 Default

FILE NAME =	USER NAME = DOhesak	DESIGNED - KLB	REVISED -
5423-130-sht-eros Main 1.dgn		DRAWN - DGO	REVISED -
5423.13	PLOT SCALE = 1:40	CHECKED - KLB	REVISED -
Default	PLOT DATE = 7/1/2024	DATE - 7/10/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION






SOIL EROSION AND SEDIMENT CONTROL PLANS - WALKUP AVENUE
CITY OF CRYSTAL LAKE, ILLINOIS
 SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 100+00 TO STA. 107+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	33
			CONTRACT NO. 61171	
ILLINOIS FED. AID PROJECT				



TOPSOIL FURNISH AND PLACE, 6"
 SEEDING, CLASS 2A
 EROSION CONTROL BLANKET
 NITROGEN FERTILIZER NUTRIENT
 PHOSPHORUS FERTILIZER NUTRIENT
 POTASSIUM FERTILIZER NUTRIENT
 (TYP)

LEGEND

-  TOPSOIL FURNISH AND PLACE, 6"
SEEDING, CLASS 2A
EROSION CONTROL BLANKET
NITROGEN FERTILIZER NUTRIENT
PHOSPHORUS FERTILIZER NUTRIENT
POTASSIUM FERTILIZER NUTRIENT
-  TREE TRUNK PROTECTION
TREE ROOT PRUNING
TREE PRUNING
-  INLET FILTERS
-  PERIMETER EROSION BARRIER
-  PROPOSED TREE

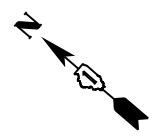
GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: Default
 FILE NAME: 5423-130-sht-eros Congress 1.dgn

FILE NAME =	USER NAME = D0hesak	DESIGNED - KLB	REVISED -
5423-130-sht-eros Congress 1.dgn		DRAWN - DGO	REVISED -
5423.13	PLOT SCALE = 1:40	CHECKED - KLB	REVISED -
Default	PLOT DATE = 7/1/2024	DATE - 7/10/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL EROSION AND SEDIMENT CONTROL PLANS - CONGRESS PARKWAY
CITY OF CRYSTAL LAKE, ILLINOIS
 SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 200+00 TO STA. 205+20

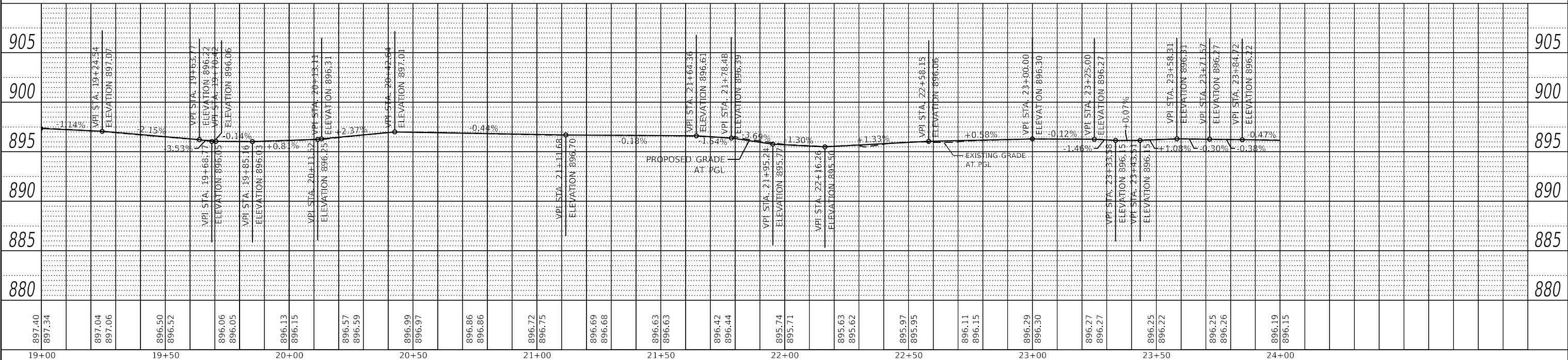
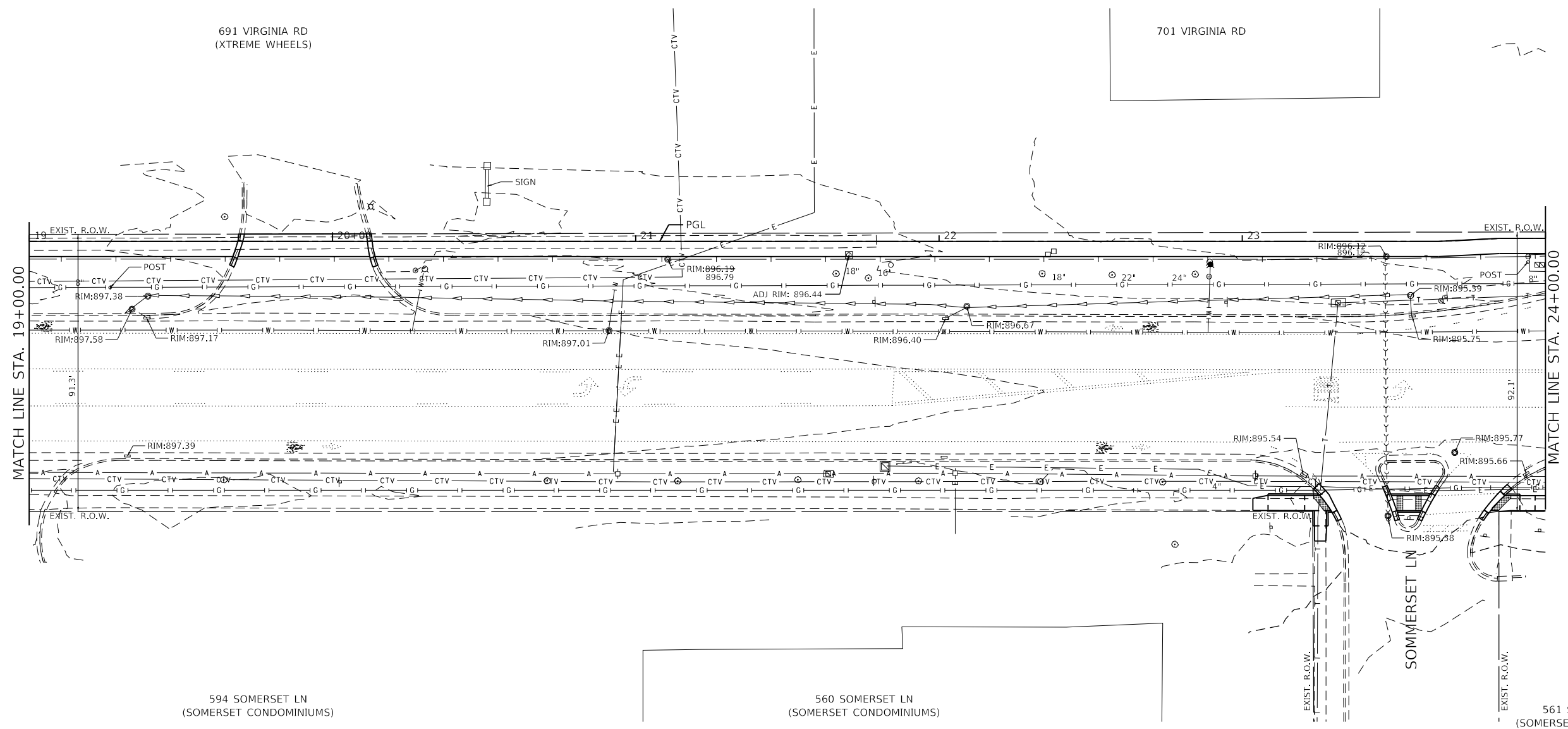
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	34
			CONTRACT NO. 61171	
		ILLINOIS FED. AID PROJECT		



PLAN	SURVEYED	DATE
NO.		
NOTE BOOK		
ALIGNED		
CHECKED		
FILE NAME		

PROFILE	SURVEYED	DATE
NO.		
GRADES CHECKED		
STRUCTURE NOTATIONS CHECKED		

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: Default
 FILE NAME: 5423-130-sht-drain 3.dgn

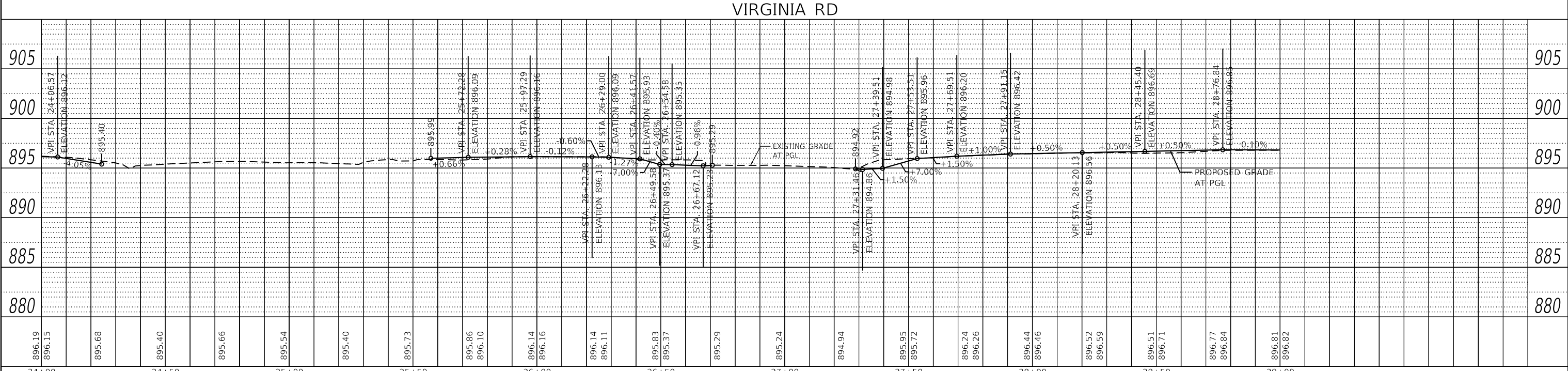
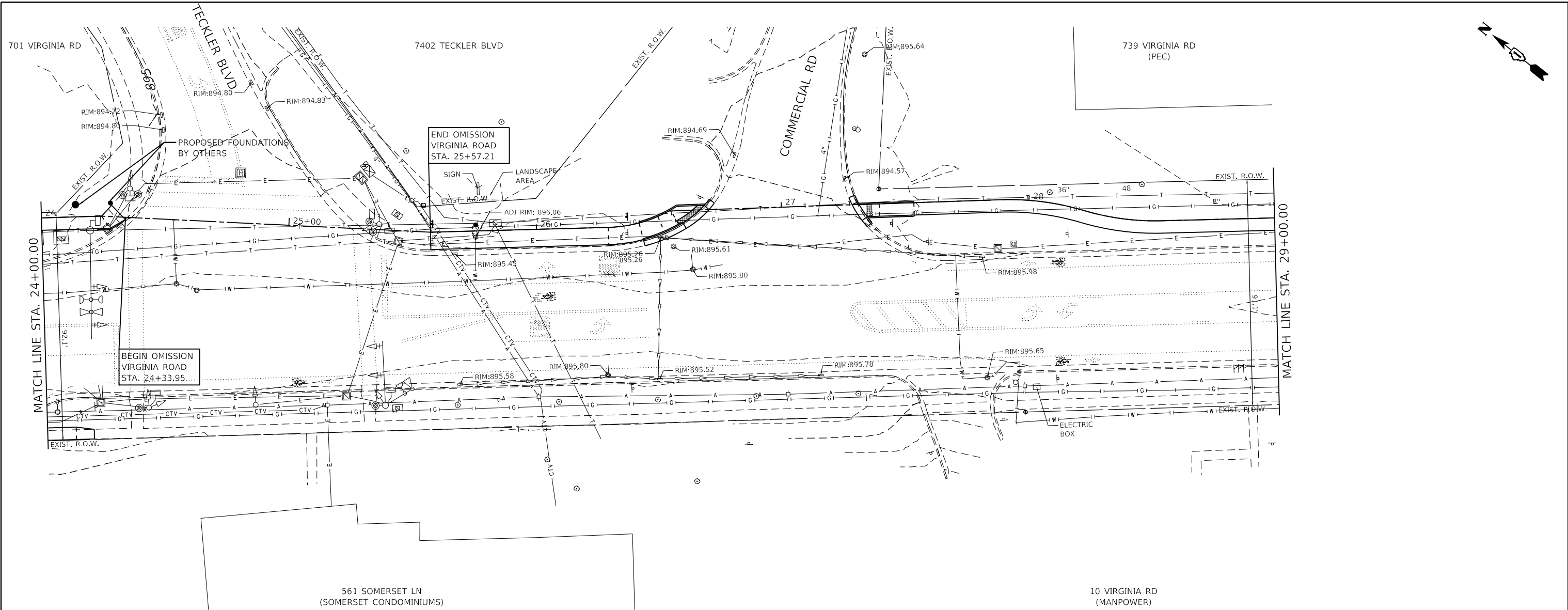


FILE NAME = 5423-130-sht-drain 3.dgn	USER NAME = D0lesak	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PLANS - VIRGINIA ROAD		F.A.U. RTE. 0124	SECTION 21-00131-00-SW	COUNTY MCHENRY	TOTAL SHEETS 97	SHEET NO. 37	
5423.13	PLOT SCALE = 1:40	CHECKED - KLB	REVISED -		CITY OF CRYSTAL LAKE, ILLINOIS		CONTRACT NO. 61171					
Default	PLOT DATE = 7/1/2024	DATE - 7/10/2024	REVISED -		SCALE: H: 1"=20'		SHEET 3 OF 6 SHEETS	STA. 19+00	TO STA. 24+00		ILLINOIS FED. AID PROJECT	
V:1"=5'												

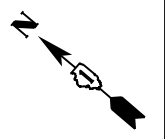
PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	
	BY	
	DATE	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	
	BY	
	DATE	

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: Default
 FILE NAME: 5423-130-shd-drain_4.dgn



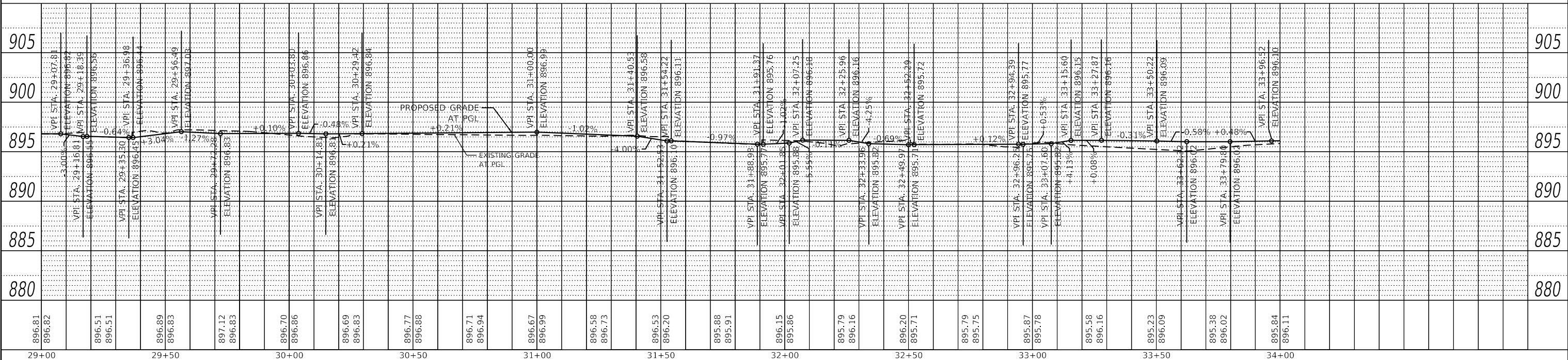
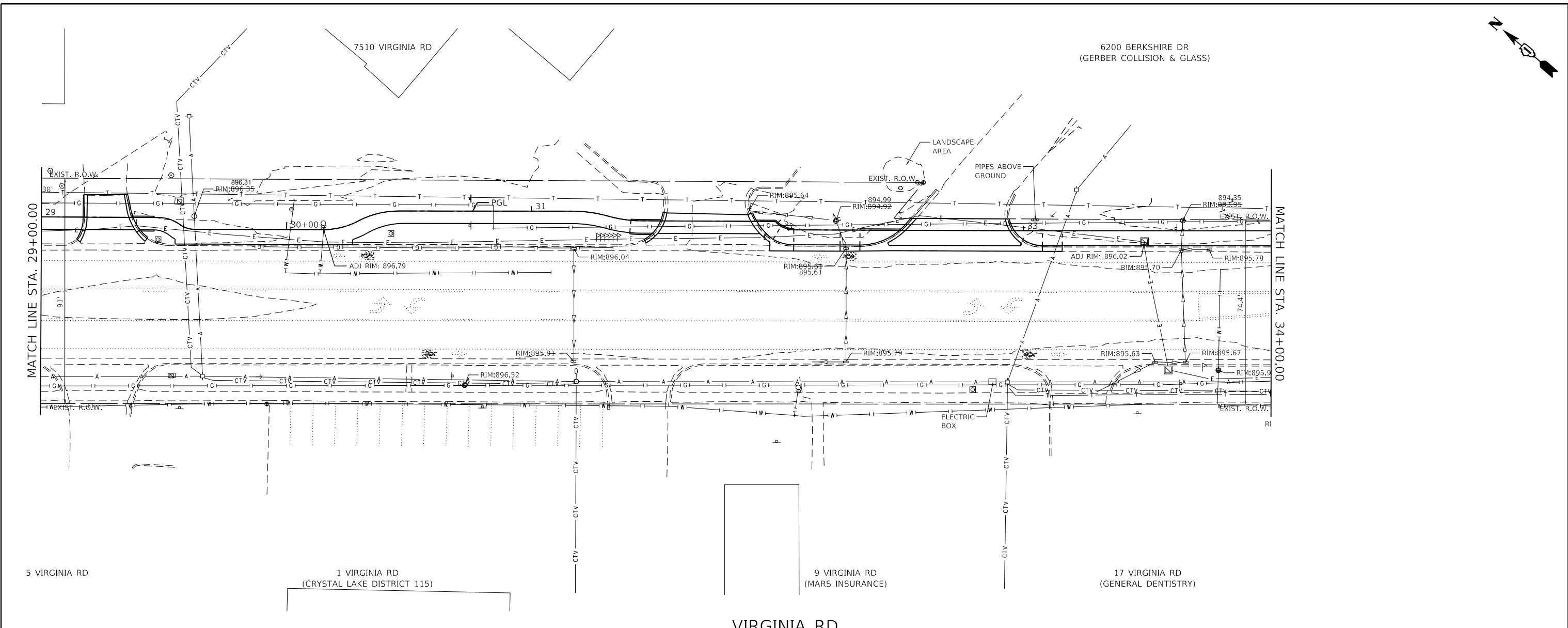
FILE NAME =	USER NAME = D0lesak	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PLANS - VIRGINIA ROAD CITY OF CRYSTAL LAKE, ILLINOIS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5423-130-shd-drain_4.dgn		DRAWN - DGO	REVISED -			0124	21-00131-00-SW	MCHENRY	97	38
5423.13		CHECKED - KLB	REVISED -			CONTRACT NO. 61171				
Default		DATE - 7/1/2024	REVISED -			ILLINOIS FED. AID PROJECT				
				SCALE: H: 1"=20' V: 1"=5'		SHEET 4 OF 6 SHEETS		STA. 24+00 TO STA. 29+00		



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	DESIGNED	
	BY	
	DATE	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	BY	
	DATE	

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: Default
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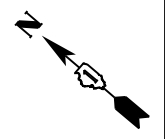


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5423.13		CHECKED - KLB	REVISED -
Default		DATE - 7/10/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITY PLANS - VIRGINIA ROAD
CITY OF CRYSTAL LAKE, ILLINOIS
 SCALE: H: 1"=20' SHEET 5 OF 6 SHEETS STA. 29+00 TO STA. 34+00
 V: 1"=5'

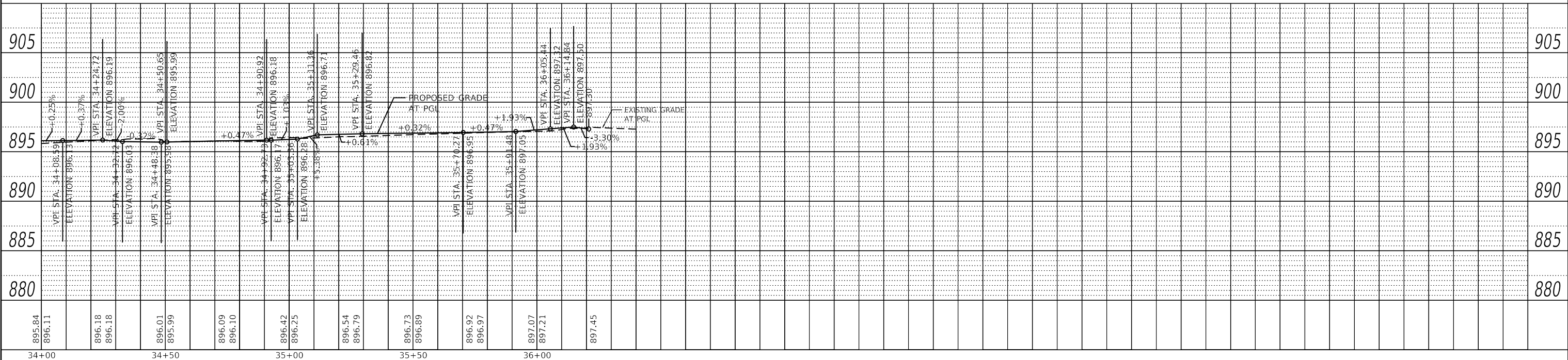
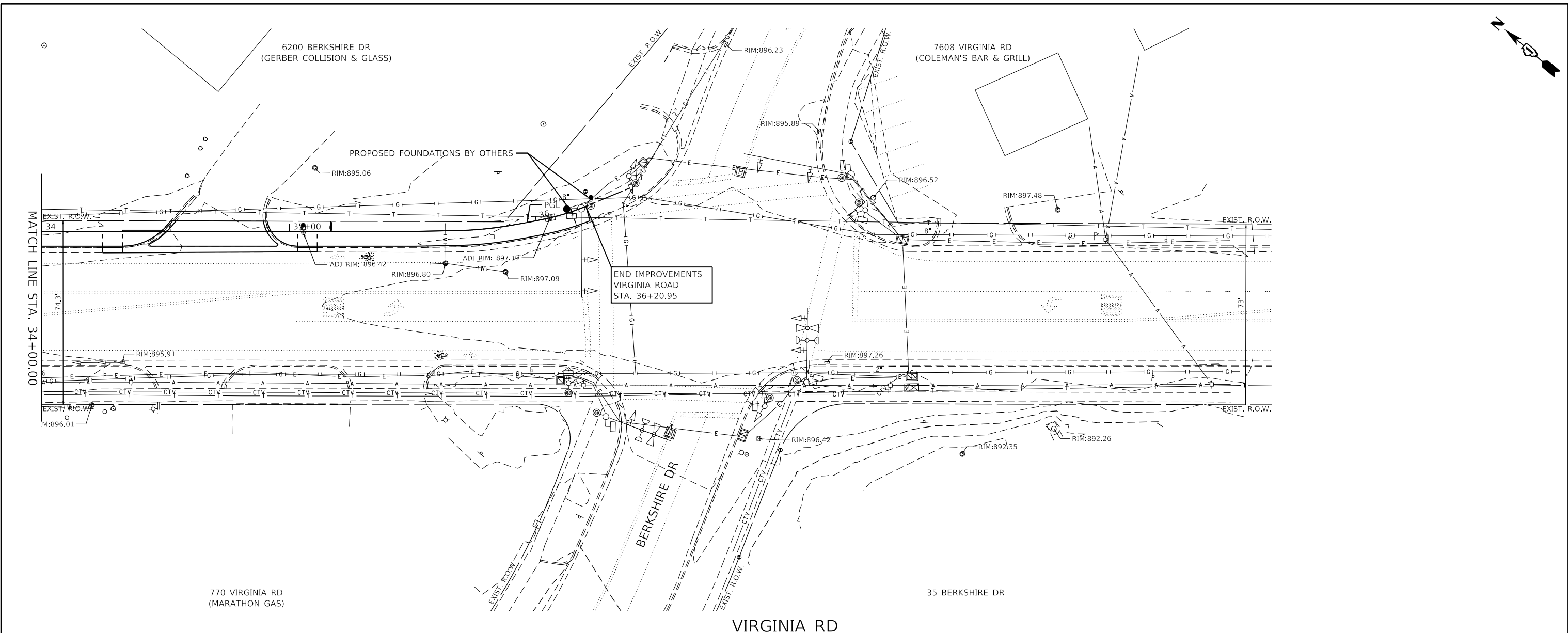
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	39
CONTRACT NO. 61171			ILLINOIS FED. AID PROJECT	



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	NO.	

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: Default
 FILE NAME: 5423-130-shd-drain 6.dgn



FILE NAME =	USER NAME = D0lesak	DESIGNED - KLB	REVISED -
5423-130-shd-drain 6.dgn		DRAWN - DGO	REVISED -
5423.13		CHECKED - KLB	REVISED -
Default		DATE - 7/1/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

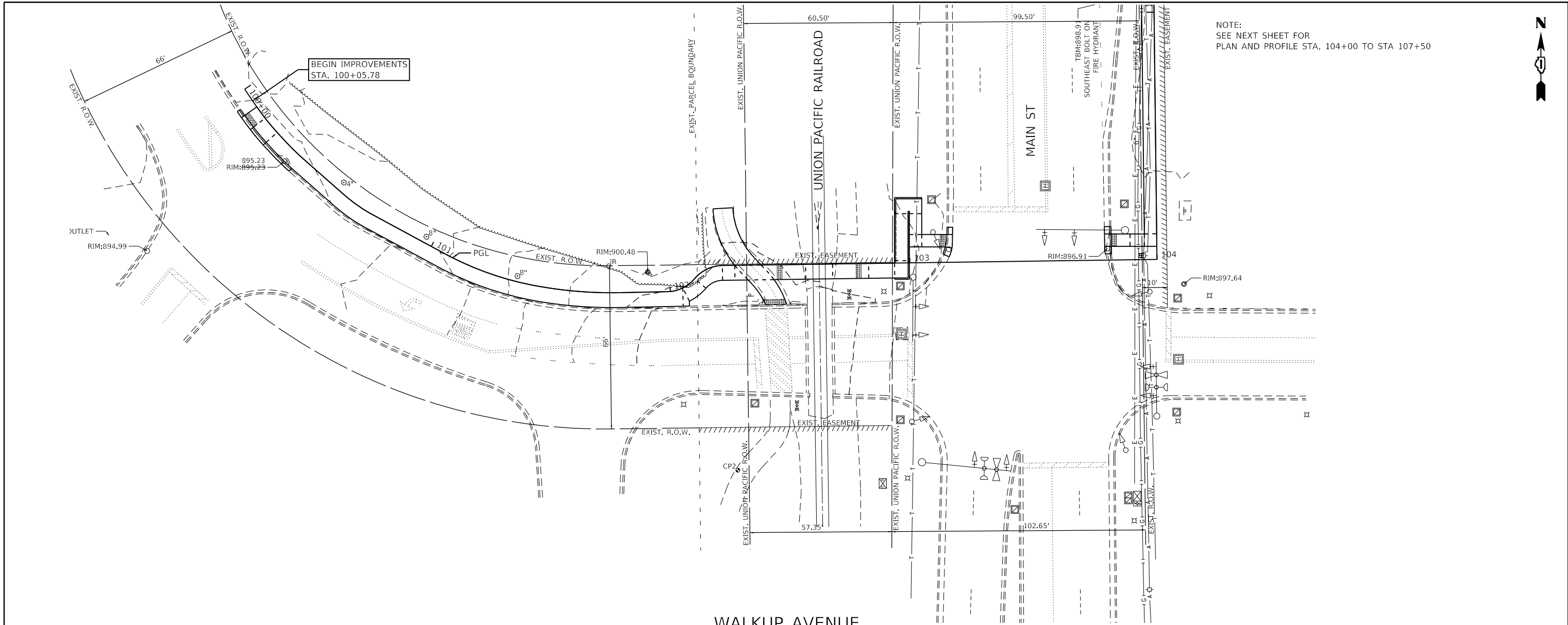
DRAINAGE AND UTILITY PLANS - VIRGINIA ROAD
CITY OF CRYSTAL LAKE, ILLINOIS
 SCALE: H: 1"=20' SHEET 6 OF 6 SHEETS STA. 34+00 TO STA. 37+50
 V: 1"=5'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	40
			CONTRACT NO. 61171	
		ILLINOIS FED. AID PROJECT		

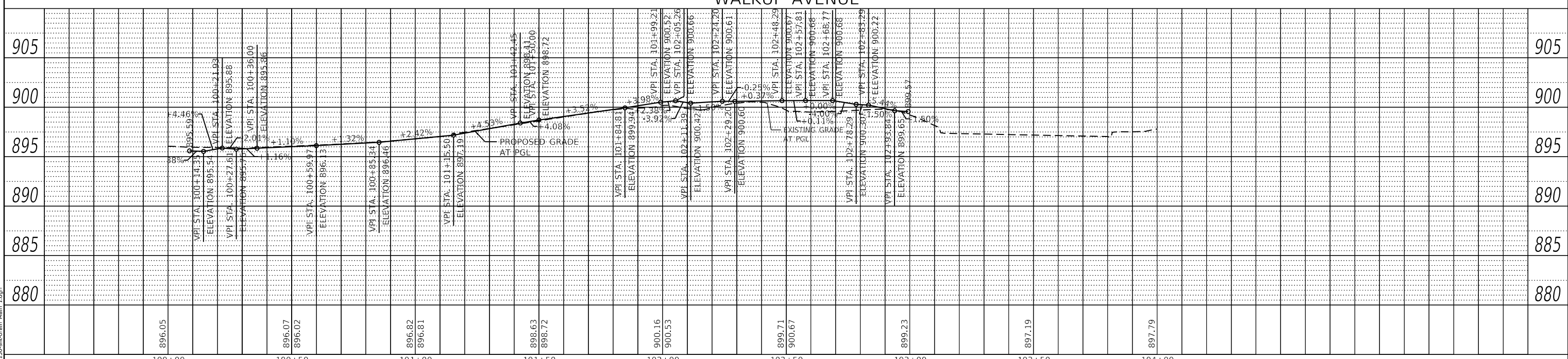
PLAN	SURVEYED	BY	DATE
	ALIGNED		
NOTE BOOK	CHECKED		
	NO.		

PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
NOTE BOOK	STRUCTURE		
	NOTATION		

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: Default
 FILE NAME: 5423-130-sht-drain Main 1.dgn



NOTE:
 SEE NEXT SHEET FOR
 PLAN AND PROFILE STA. 104+00 TO STA 107+50



FILE NAME =	USER NAME = D0lesak	DESIGNED - KLB	REVISED -
5423-130-sht-drain Main 1.dgn		DRAWN - DGO	REVISED -
5423.13		CHECKED - KLB	REVISED -
Default	PLOT DATE = 7/1/2024	DATE - 7/10/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLANS - WALKUP AVENUE /MAIN STREET
 CITY OF CRYSTAL LAKE, ILLINOIS**

SCALE: H: 1"=20' SHEET 1 OF 2 SHEETS STA. 100+00 TO STA. 104+00
 V: 1"=5'

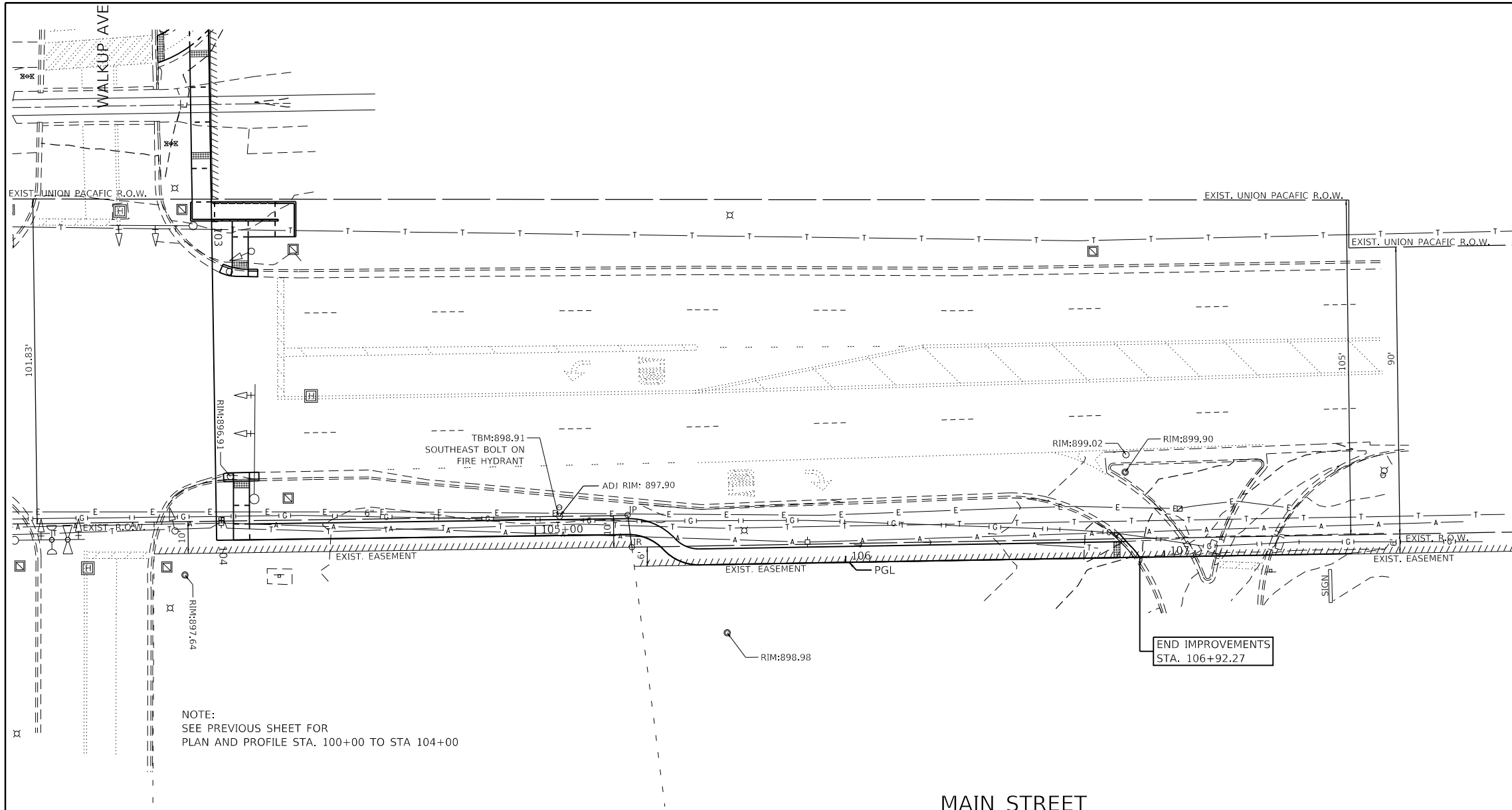
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	41
			CONTRACT NO. 61171	
ILLINOIS		FED. AID PROJECT		



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	DATE	
	BY	
	NO.	

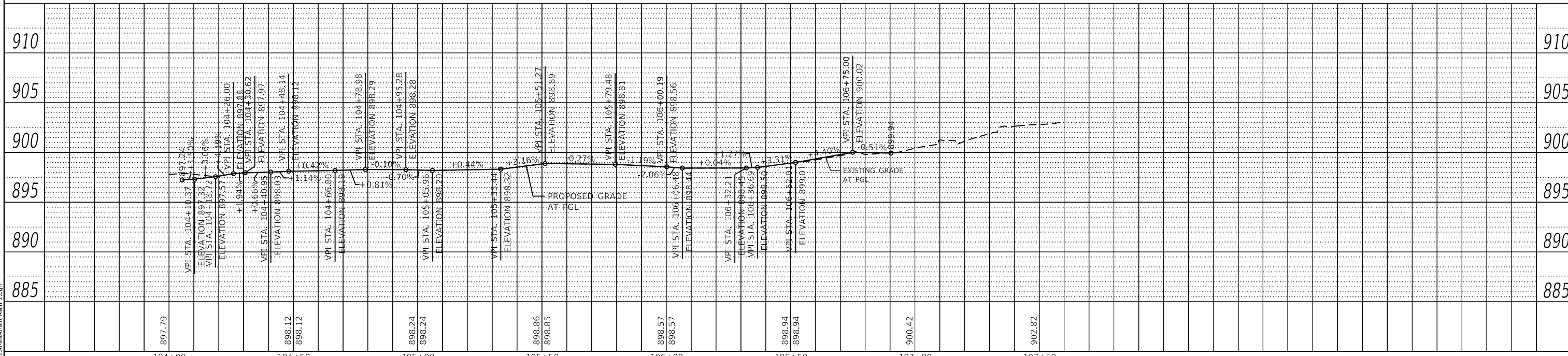
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	PLOTTED	
	GRADES	
	CHECKED	
	DATE	
	BY	
	NO.	

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: Default
 FILE NAME: 5423-130-shd-drain Main 2.dgn



NOTE:
 SEE PREVIOUS SHEET FOR
 PLAN AND PROFILE STA. 100+00 TO STA 104+00

MAIN STREET



FILE NAME =	USER NAME = D0lesak	DESIGNED - KLB	REVISED -
5423-130-shd-drain Main 2.dgn		DRAWN - DGO	REVISED -
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Default		DATE - 7/10/2024	REVISED -

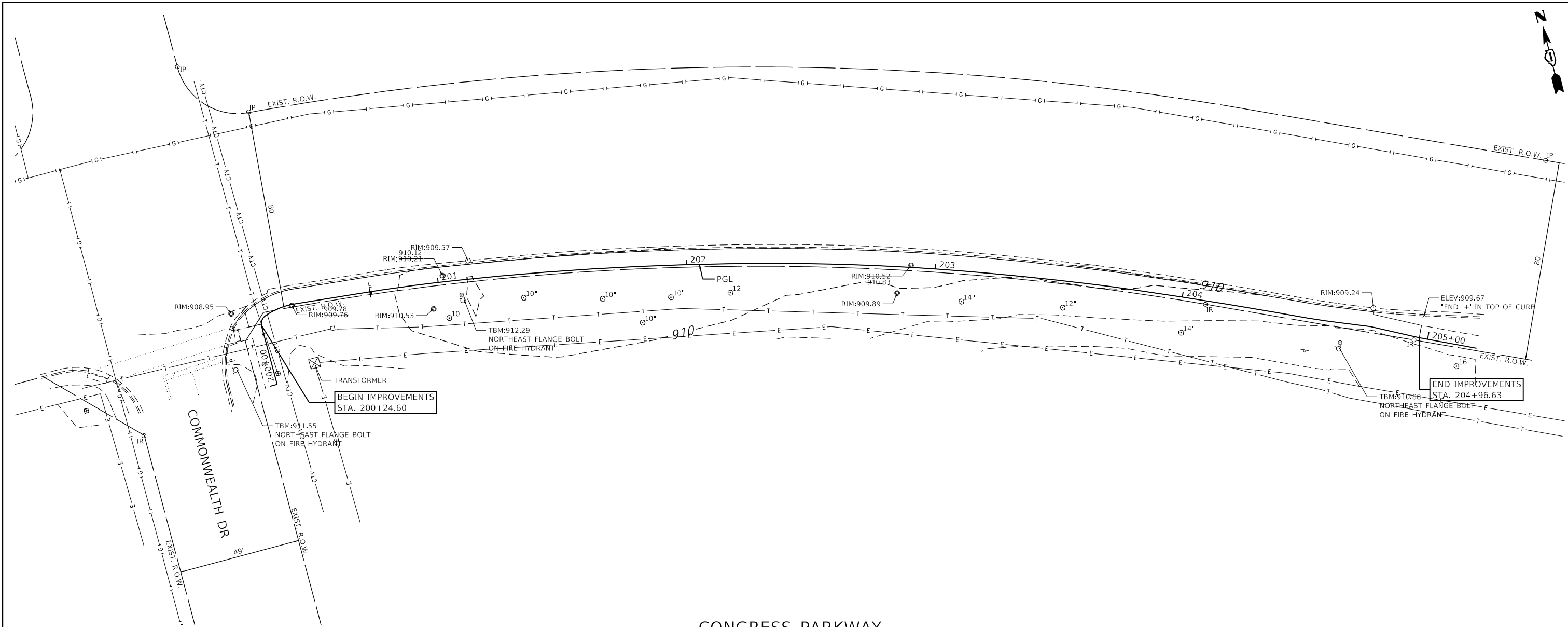
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITY PLANS - WALKUP AVENUE /MAIN STREET
CITY OF CRYSTAL LAKE, ILLINOIS
 SCALE: H: 1"=20' SHEET 2 OF 2 SHEETS STA. 104+00 TO STA. 107+50
 V: 1"=5'

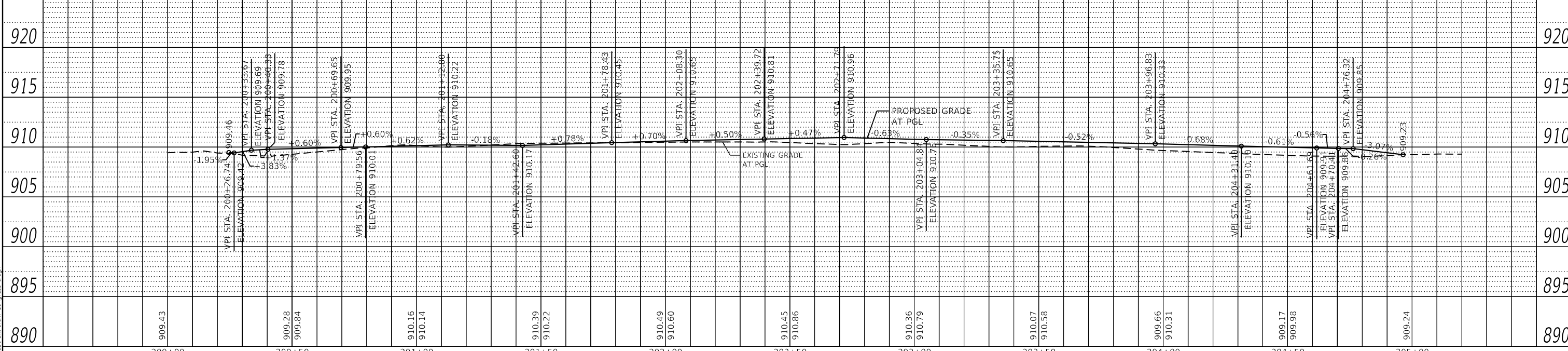
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0124	21-00131-00-SW	MCHENRY	97	42
			CONTRACT NO. 61171	
		ILLINOIS	FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

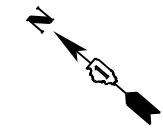


CONGRESS PARKWAY



GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: Default
 FILE NAME: 5423-130-shd-drain-Congress 1.dgn

FILE NAME = 5423-130-shd-drain-Congress 1.dgn	USER NAME = D0lesak	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PLANS - CONGRESS PARKWAY		F.A.U. RTE. 0124	SECTION 21-00131-00-SW	COUNTY MCHENRY	TOTAL SHEETS 97	SHEET NO. 43
5423.13	PLOT SCALE = 1:40	CHECKED - KLB	REVISED -		CITY OF CRYSTAL LAKE, ILLINOIS						CONTRACT NO. 61171
Default	PLOT DATE = 7/1/2024	DATE - 7/10/2024	REVISED -		SCALE: H: 1"=20'	SHEET 1 OF 1 SHEETS	STA. 200+00 TO STA. 205+20	ILLINOIS FED. AID PROJECT			
					V: 1"=5'						

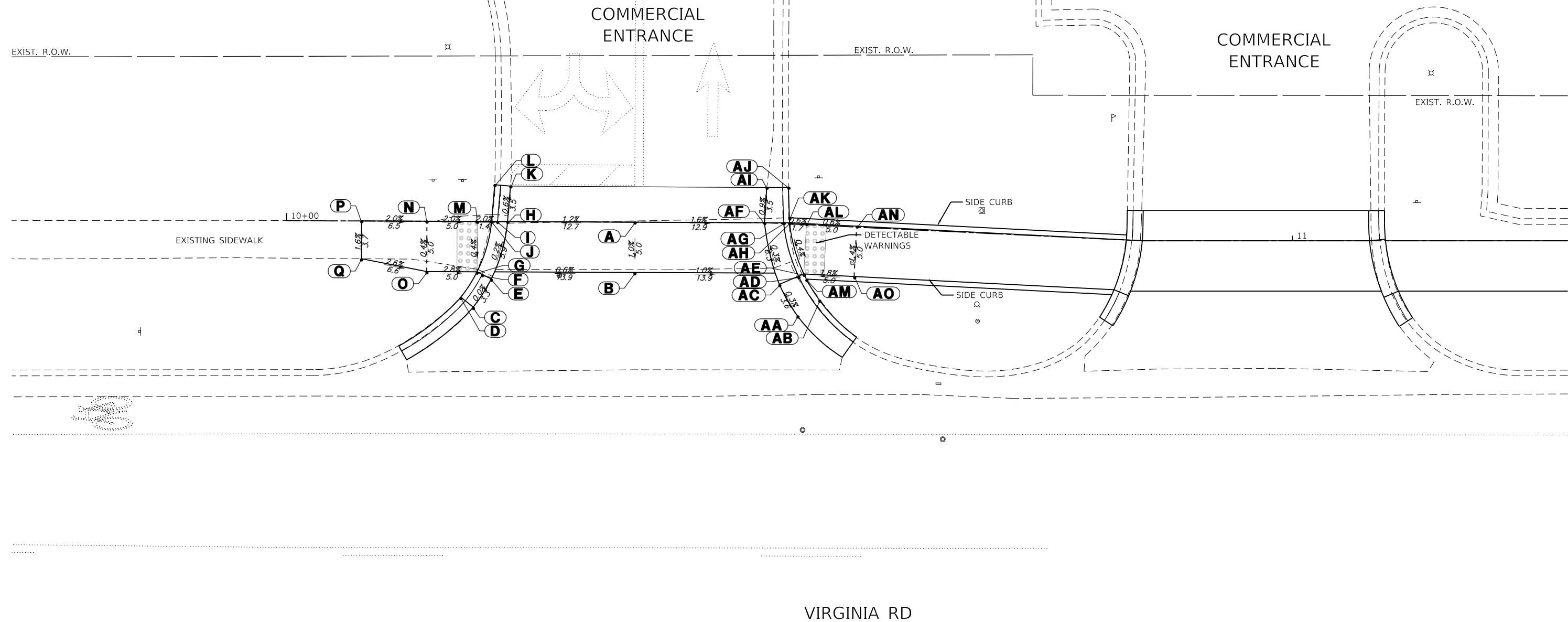


ADA GRADING TABLE		
STATION	OFFSET	ELEVATION
A	10+34.6	0.0' (897.61)
B	10+34.6	5.0' R (897.56)
C	10+18.6	8.5' R (897.47)
D	10+17.3	7.5' R 897.91
E	10+20.4	5.7' R (897.47)
F	10+19.5	5.3' R 897.42
G	10+18.9	5.0' R 897.46
H	10+22	0.0' (897.46)
I	10+21	0.0' 897.41
J	10+20.4	0.0' 897.45

ADA GRADING TABLE		
STATION	OFFSET	ELEVATION
K	10+22.2	3.5' L (897.44)
L	10+20.7	3.7' L (897.88)
M	10+18.9	0.0' 897.48
N	10+13.9	0.0' 897.58
O	10+13.9	5.0' R 897.60
P	10+07.5	0.0' (897.71)
Q	10+07.5	3.7' R (897.77)

ADA GRADING TABLE		
STATION	OFFSET	ELEVATION
AA	10+51.2	9.2' R (897.43)
AB	10+53.3	7.5' R 897.81
AC	10+49	6.1' R (897.42)
AD	10+51.1	5.3' R 897.32
AE	10+51.7	5.0' R 897.36
AF	10+47.5	0.0' (897.40)
AG	10+49.4	0.0' 897.30
AH	10+50	0.0' 897.34
AI	10+47.7	3.5' L (897.37)
AJ	10+49.9	3.5' L (897.78)

ADA GRADING TABLE		
STATION	OFFSET	ELEVATION
AK	10+50	0.5' L 897.80
AL	10+51.7	0.0' 897.35
AM	10+51.9	5.5' R 897.82
AN	10+56.7	0.0' 897.38
AO	10+56.7	5.0' R 897.45



FILE NAME =	USER NAME = DOhesak
5423-130-sht-ADA_Virginia 1.dgn	
5423.13	
Default	

DESIGNED - KLB	REVISD -
DRAWN - DGO	REVISD -
CHECKED - KLB	REVISD -
DATE - 7/10/2024	REVISD -

DESIGNED - KLB	REVISD -
DRAWN - DGO	REVISD -
CHECKED - KLB	REVISD -
DATE - 7/10/2024	REVISD -

DESIGNED - KLB	REVISD -
DRAWN - DGO	REVISD -
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DATE - 7/10/2024	REVISD -

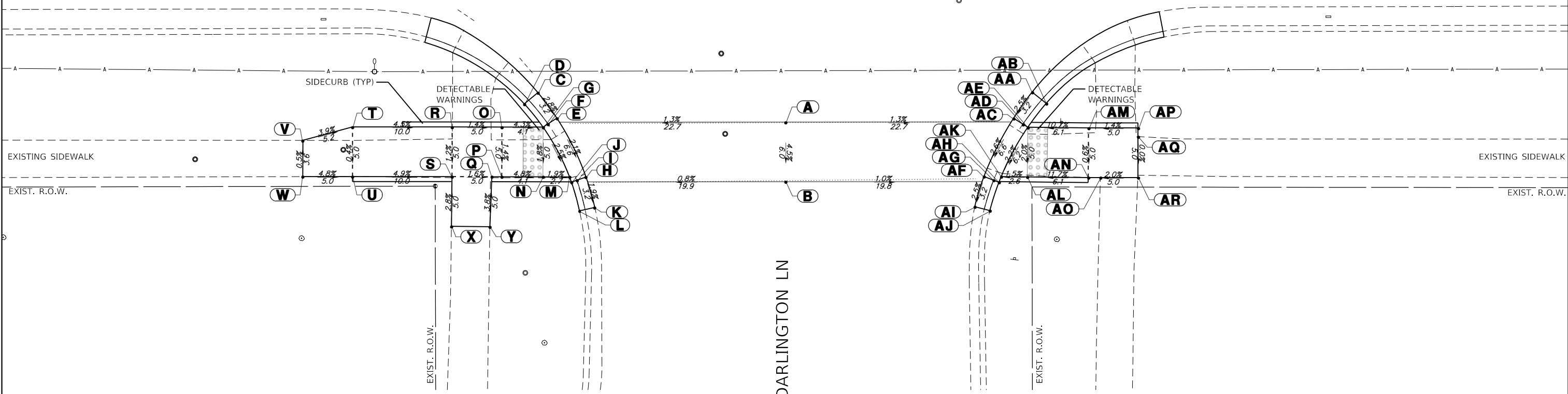
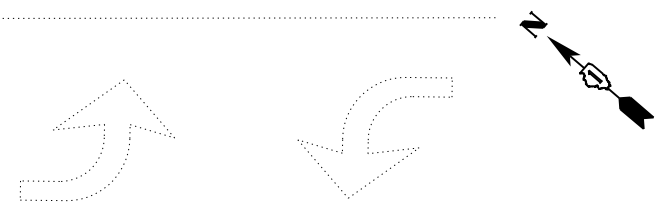
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA GRADING DETAILS - VIRGINIA ROAD
CITY OF CRYSTAL LAKE, ILLINOIS**

SCALE: 1"=5' SHEET 1 OF 8 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00131-00-SW	MCHENRY	97	44
			CONTRACT NO. 61171	
ILLINOIS FED. AID PROJECT				

VIRGINIA RD



ADA GRADING COORDINATE TABLE			
	NORTHING	EASTING	ELEVATION
A	2024256.92	986534.17	(897.06)
B	2024253.01	986529.62	(896.79)
C	2024277.75	986520.25	(896.87)
D	2024278.04	986518.49	897.31
E	2024274.63	986519.53	(896.78)
F	2024274.93	986518.50	896.73
G	2024275.10	986517.94	896.77
H	2024268.55	986516.94	(896.64)
I	2024269.04	986516.09	896.59
J	2024269.33	986515.59	896.63
K	2024265.88	986515.18	(896.58)
L	2024266.83	986513.92	897.02
M	2024269.82	986515.87	896.63

ADA GRADING COORDINATE TABLE			
	NORTHING	EASTING	ELEVATION
N	2024271.85	986514.14	896.68
O	2024278.25	986515.25	896.95
P	2024275.00	986511.45	896.88
Q	2024275.76	986510.80	896.87
R	2024282.05	986512.01	897.02
S	2024278.81	986508.20	896.96
T	2024289.65	986505.50	897.47
U	2024286.40	986501.70	897.45
V	2024292.57	986501.22	(897.67)
W	2024290.20	986498.45	(897.69)
X	2024275.60	986504.37	(897.10)
Y	2024272.64	986506.84	(897.06)

ADA GRADING COORDINATE TABLE			
	NORTHING	EASTING	ELEVATION
AA	2024240.04	986552.60	(896.85)
AB	2024238.22	986552.67	897.29
AC	2024239.75	986549.39	(896.77)
AD	2024238.64	986549.55	896.72
AE	2024238.07	986549.63	896.76
AF	2024238.19	986542.99	(896.60)
AG	2024237.22	986543.34	896.58
AH	2024236.67	986543.54	896.62
AI	2024236.92	986540.09	(896.52)
AJ	2024235.51	986540.77	896.96
AK	2024236.87	986544.12	896.62
AL	2024234.86	986545.80	896.66
AM	2024233.39	986553.54	897.41

ADA GRADING COORDINATE TABLE			
	NORTHING	EASTING	ELEVATION
AN	2024230.16	986549.73	897.38
AO	2024229.23	986550.52	(897.40)
AP	2024229.61	986556.78	897.48
AQ	2024229.05	986556.12	(897.48)
AR	2024226.36	986552.98	(897.48)

GHA GEWALT HAMILTON ASSOCIATES, INC.
MODEL: Default
 FILE NAME: 5423-130-sht-ADA_Virginia_2.dgn

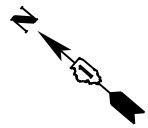
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Default	PLOT DATE = 7/1/2024	CHECKED - KLB	REVISED -
		DATE - 7/10/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA GRADING DETAILS - VIRGINIA ROAD
CITY OF CRYSTAL LAKE, ILLINOIS**

SCALE: 1"=5' SHEET 2 OF 8 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00131-00-SW	MCHENRY	97	45
			CONTRACT NO. 61171	
ILLINOIS FED. AID PROJECT				

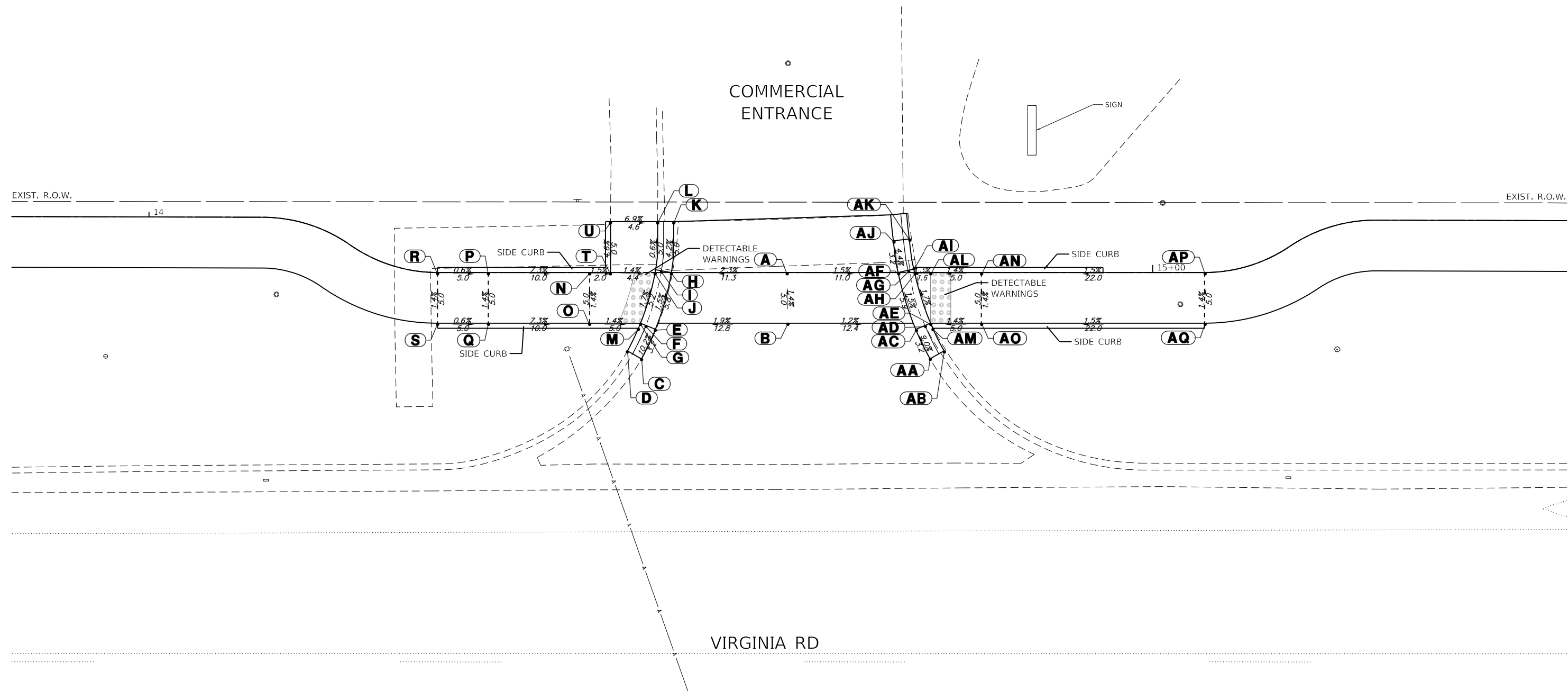


ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
A	14+63.9	0.0' L	897.23
B	14+64	5.0' R	(897.30)
C	14+49.6	8.5' R	(897.39)
D	14+48.3	7.7' R	897.83
E	14+51	5.6' R	897.06
F	14+50.1	5.2' R	897.01
G	14+49.5	5.0' R	897.05
H	14+52.6	0.0'	896.97
I	14+51.6	0.2' L	896.92
J	14+51	0.0' R	896.96
K	14+52.8	5.0' L	(896.76)
L	14+51.2	5.0' L	(896.93)

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
M	14+49.3	5.5' R	897.51
N	14+44.5	0.0'	897.05
O	14+44.5	5.0' R	897.12
P	14+34.5	0.0'	897.78
Q	14+34.5	5.0' R	897.85
R	14+29.5	0.0'	897.81
S	14+29.5	5.0' R	897.88
T	14+46.6	0.0'	897.02
U	14+46.6	5.0' L	(897.25)

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
AA	14+78.1	8.5' R	(897.45)
AB	14+79.4	7.7' R	897.89
AC	14+76.7	5.6' R	897.16
AD	14+77.6	5.2' R	897.11
AE	14+78.1	5.0' R	897.15
AF	14+74.9	0.0'	897.07
AG	14+75.9	0.2' L	897.02
AH	14+76.5	0.0'	897.06
AI	14+76.4	0.5' L	897.52
AJ	14+74.5	3.1' L	896.93

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
AK	14+76	3.3' L	897.37
AL	14+78.1	0.0'	897.08
AM	14+78.3	5.5' R	897.61
AN	14+83.1	0.0'	897.15
AO	14+83.1	5.0' R	897.22
AP	15+05.1	0.0'	897.48
AQ	15+05.1	5.0' R	897.55



GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: Default
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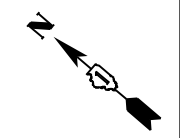
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Default	PLOT DATE = 7/1/2024	DATE - 7/10/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA GRADING DETAILS - VIRGINIA ROAD
CITY OF CRYSTAL LAKE, ILLINOIS

SCALE: 1"=5' SHEET 3 OF 8 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00131-00-SW	MCHENRY	97	46
			CONTRACT NO. 61171	
ILLINOIS FED. AID PROJECT				

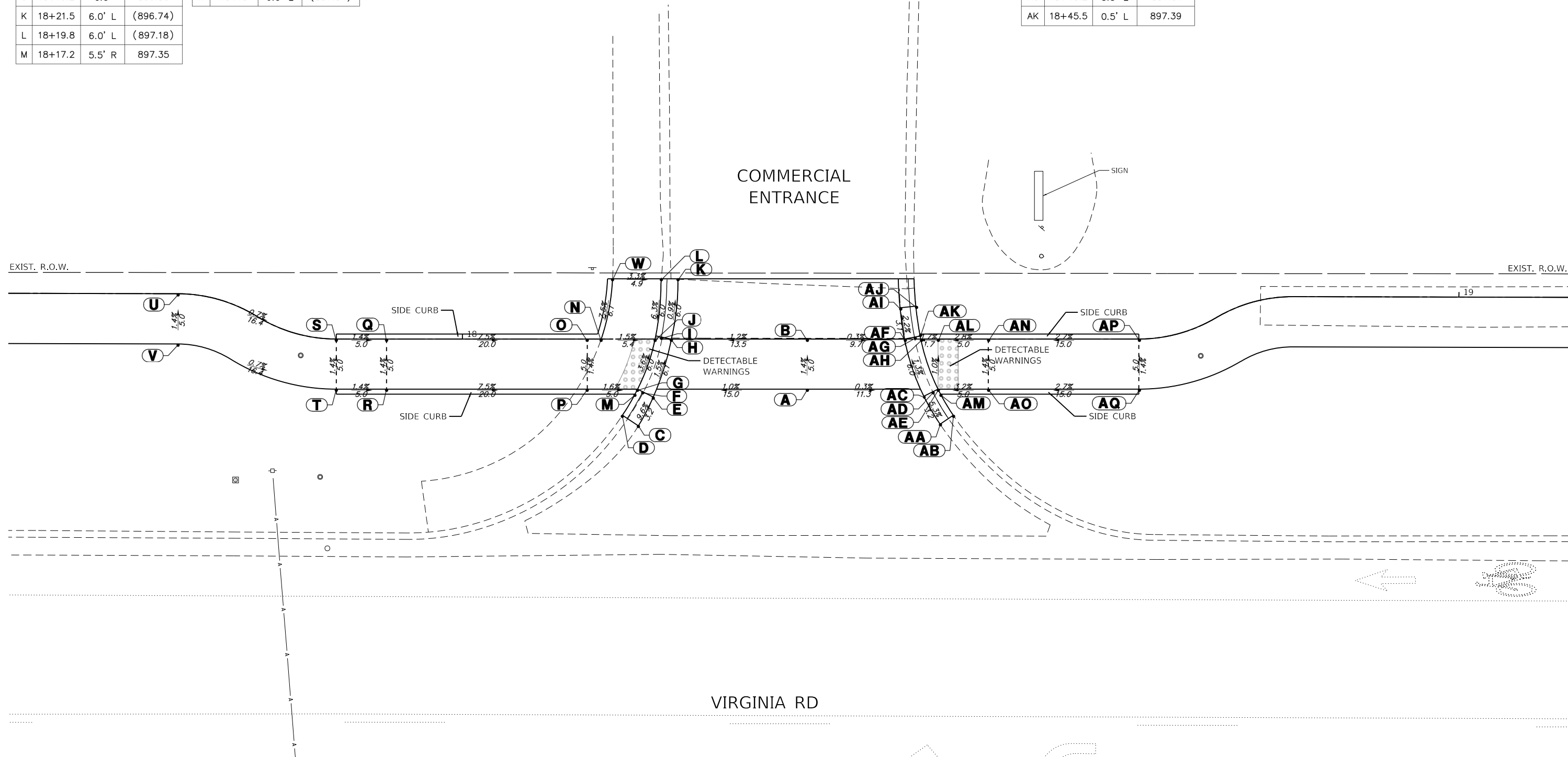


ADA GRADING TABLE		
STATION	OFFSET	ELEVATION
A	18+34.3	5.0' R 897.04
B	18+34.3	0.0' 896.97
C	18+17.5	8.6' R (897.21)
D	18+15.9	7.6' R 897.65
E	18+19	5.8' R 896.90
F	18+18	5.3' R 896.85
G	18+17.4	5.0' R 896.89
H	18+20.8	0.0' 896.81
I	18+19.8	0.2' L 896.76
J	18+19.2	0.0' 896.80
K	18+21.5	6.0' L (896.74)
L	18+19.8	6.0' L (897.18)
M	18+17.2	5.5' R 897.35

ADA GRADING TABLE		
STATION	OFFSET	ELEVATION
N	18+13.8	0.0' 896.88
O	18+12.4	0.0' 896.90
P	18+12.4	5.0' R 896.97
Q	17+92.4	0.0' 898.41
R	17+92.4	5.0' R 898.48
S	17+87.4	0.0' 898.48
T	17+87.4	5.0' R 898.55
U	17+70.8	0.0' 898.60
V	17+70.8	5.0' R 898.67
W	18+15	6.0' L (897.34)

ADA GRADING TABLE		
STATION	OFFSET	ELEVATION
AA	18+47.6	8.5' R (897.19)
AB	18+48.9	7.6' R 897.63
AC	18+45.9	5.7' R 897.02
AD	18+46.8	5.3' R 896.97
AE	18+47.4	5.0' R 897.01
AF	18+44	0.0' 896.94
AG	18+45	0.2' L 896.89
AH	18+45.6	0.0' 896.93
AI	18+43.6	3.1' L 896.87
AJ	18+45.2	3.3' L 897.31
AK	18+45.5	0.5' L 897.39

ADA GRADING TABLE		
STATION	OFFSET	ELEVATION
AL	18+47.4	0.0' 896.96
AM	18+47.6	5.5' R 897.47
AN	18+52.4	0.0' 897.10
AO	18+52.4	5.0' R 897.17
AP	18+67.4	0.0' 897.51
AQ	18+67.4	5.0' R 897.58



GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: Default
 FILE NAME: 5423-130-sht-ADA_Virginia 4.dgn

FILE NAME = 5423-130-sht-ADA_Virginia 4.dgn
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 PLOT SCALE = 1:10,0005
 PLOT DATE = 7/1/2024

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DRAWN - DGO	REVISED -
CHECKED - KLB	REVISED -
DATE - 7/10/2024	REVISED -

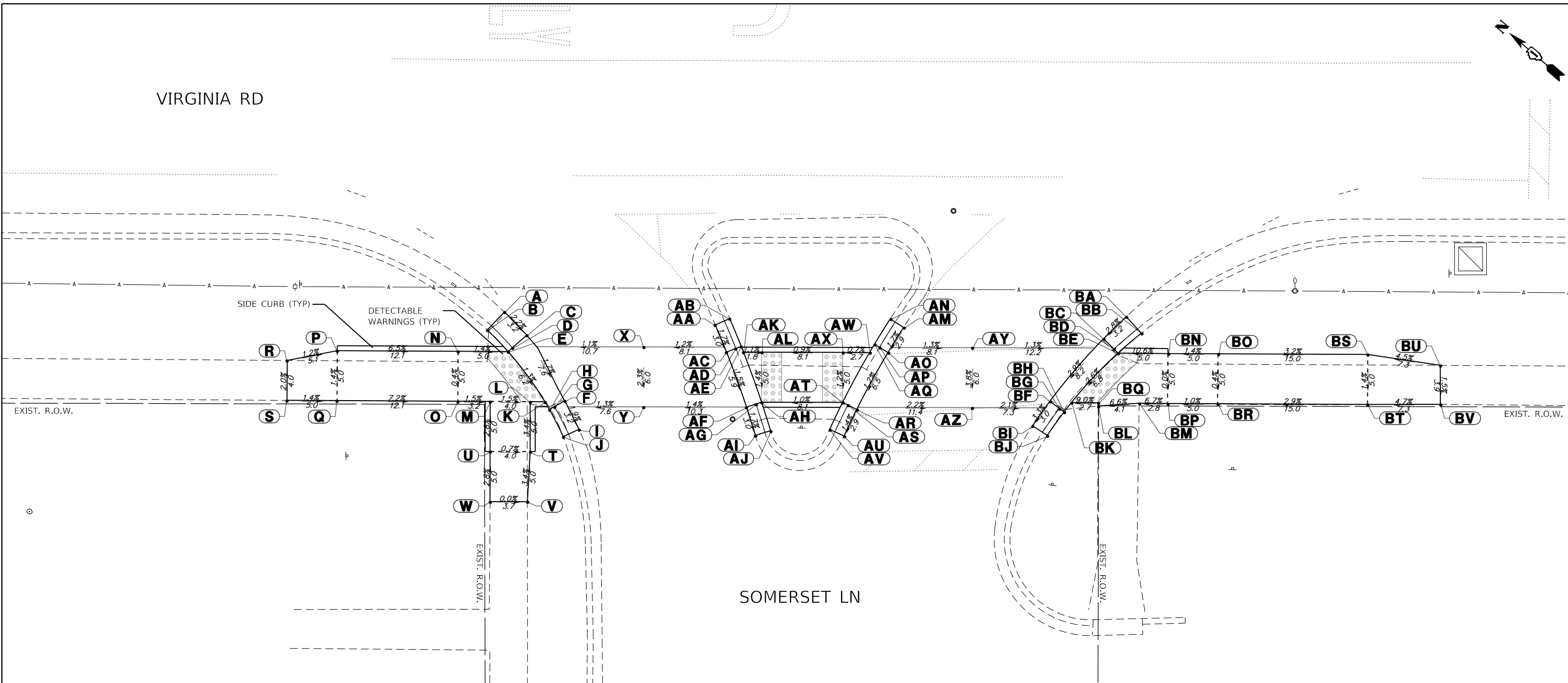
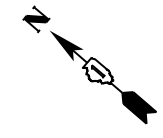
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA GRADING DETAILS - VIRGINIA ROAD
CITY OF CRYSTAL LAKE, ILLINOIS

SCALE: 1"=5' SHEET 4 OF 8 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00131-00-SW	MCHENRY	97	47
			CONTRACT NO. 61171	
ILLINOIS FED. AID PROJECT				

VIRGINIA RD



SOMERSET LN

ADA GRADING COORDINATE TABLE			
	NORTHING	EASTING	ELEVATION
A	2023339.69	987320.28	(895.38)
B	2023339.82	987317.80	895.76
C	2023336.48	987319.97	(895.31)
D	2023336.75	987318.09	895.21
E	2023336.83	987317.51	895.25
F	2023329.33	987317.46	(895.18)
G	2023329.73	987316.34	895.13
H	2023329.93	987315.80	895.17
I	2023326.39	987316.21	(895.12)
J	2023327.12	987314.64	895.56
K	2023330.77	987316.09	895.17
L	2023331.89	987315.14	895.19
M	2023334.94	987312.56	895.25

ADA GRADING COORDINATE TABLE			
	NORTHING	EASTING	ELEVATION
N	2023340.65	987314.28	895.32
O	2023337.42	987310.47	895.30
P	2023349.86	987306.48	896.10
Q	2023346.63	987302.66	896.17
R	2023353.03	987302.48	(896.16)
S	2023350.45	987299.43	(896.24)
T	2023328.66	987311.36	895.36
U	2023331.70	987308.76	895.39
V	2023325.60	987307.36	(895.53)
W	2023328.43	987304.94	(895.53)
X	2023326.82	987326.70	(895.41)
Y	2023322.93	987322.13	(895.27)

ADA GRADING COORDINATE TABLE			
	NORTHING	EASTING	ELEVATION
AA	2023322.84	987333.02	(895.55)
AB	2023322.14	987334.44	895.99
AC	2023320.21	987331.68	(895.50)
AD	2023319.74	987332.56	895.45
AE	2023319.47	987333.08	895.49
AF	2023315.11	987328.80	(895.41)
AG	2023314.59	987329.85	895.36
AH	2023314.29	987330.15	895.40
AI	2023312.60	987327.23	(895.36)
AJ	2023311.74	987328.56	895.80
AK	2023318.91	987332.78	895.49
AL	2023317.53	987333.96	895.47
AM	2023308.37	987345.06	(895.62)

ADA GRADING COORDINATE TABLE			
	NORTHING	EASTING	ELEVATION
AN	2023309.93	987344.85	896.06
AO	2023307.92	987342.15	(895.57)
AP	2023308.91	987341.98	895.52
AQ	2023309.48	987341.88	895.56
AR	2023306.59	987335.79	(895.49)
AS	2023307.56	987335.55	895.44
AT	2023308.12	987335.41	895.48
AU	2023305.83	987332.95	(895.45)
AV	2023307.34	987332.51	895.89
AW	2023309.32	987340.96	895.56
AX	2023311.36	987339.21	895.54
AY	2023301.84	987347.99	(895.47)
AZ	2023297.95	987343.42	(895.24)

ADA GRADING COORDINATE TABLE			
	NORTHING	EASTING	ELEVATION
BA	2023292.16	987360.35	(895.44)
BB	2023289.93	987360.09	895.82
BC	2023292.45	987357.20	(895.35)
BD	2023291.00	987357.10	895.27
BE	2023290.42	987357.06	895.31
BF	2023292.45	987348.97	(895.11)
BG	2023291.26	987349.04	895.09
BH	2023290.69	987349.08	895.13
BI	2023292.18	987345.99	(895.01)
BJ	2023290.43	987346.20	895.45
BK	2023290.74	987350.27	895.13
BL	2023288.48	987351.74	(895.38)
BM	2023285.54	987354.63	(895.65)

ADA GRADING COORDINATE TABLE			
	NORTHING	EASTING	ELEVATION
BN	2023286.58	987360.28	895.84
BO	2023282.77	987363.51	895.91
BP	2023283.37	987356.44	895.84
BQ	2023288.69	987351.99	895.37
BR	2023279.56	987359.68	895.89
BS	2023271.36	987373.20	896.39
BT	2023268.13	987369.39	896.32
BU	2023265.15	987377.08	(896.72)
BV	2023262.60	987374.13	(896.66)



FILE NAME = 5423-130-sht-ADA_Virginia 5.dgn
 USER NAME = D01esak
 DESIGNED - KLB
 DRAWN - DGO
 CHECKED - KLB
 DATE - 7/10/2024

REVISIONS:
 REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ADA GRADING DETAILS - VIRGINIA ROAD
 CITY OF CRYSTAL LAKE, ILLINOIS

SCALE: 1"=5' SHEET 5 OF 8 SHEETS STA. TO STA.

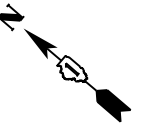
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00131-00-SW	MCHENRY	97	48
			CONTRACT NO. 61171	
ILLINOIS FED. AID PROJECT				

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
A	26+73.1	2.6' L	(895.21)
B	26+71.1	4.2' L	895.59
C	26+70.8	0.0'	(895.29)
D	26+69.4	1.4' L	895.19
E	26+69	1.8' L	895.23
F	26+61.3	7.3' R	(895.31)
G	26+60.4	5.5' R	895.21
H	26+60.1	5.0' R	895.25
I	26+49.6	9.6' R	(895.30)
J	26+49.6	7.0' R	895.68
K	26+41.6	9.6' R	(895.40)
L	26+41.6	7.0' R	895.83
M	26+57.8	1.8' L	895.33

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
N	26+49.6	0.0'	895.37
O	26+41.6	0.0'	895.93
P	26+29	0.0'	896.09
Q	26+29	7.0' R	(895.99)
R	26+41.6	6.5' R	895.83
S	26+49.6	6.5' R	895.28
T	26+58.3	5.4' R	895.26

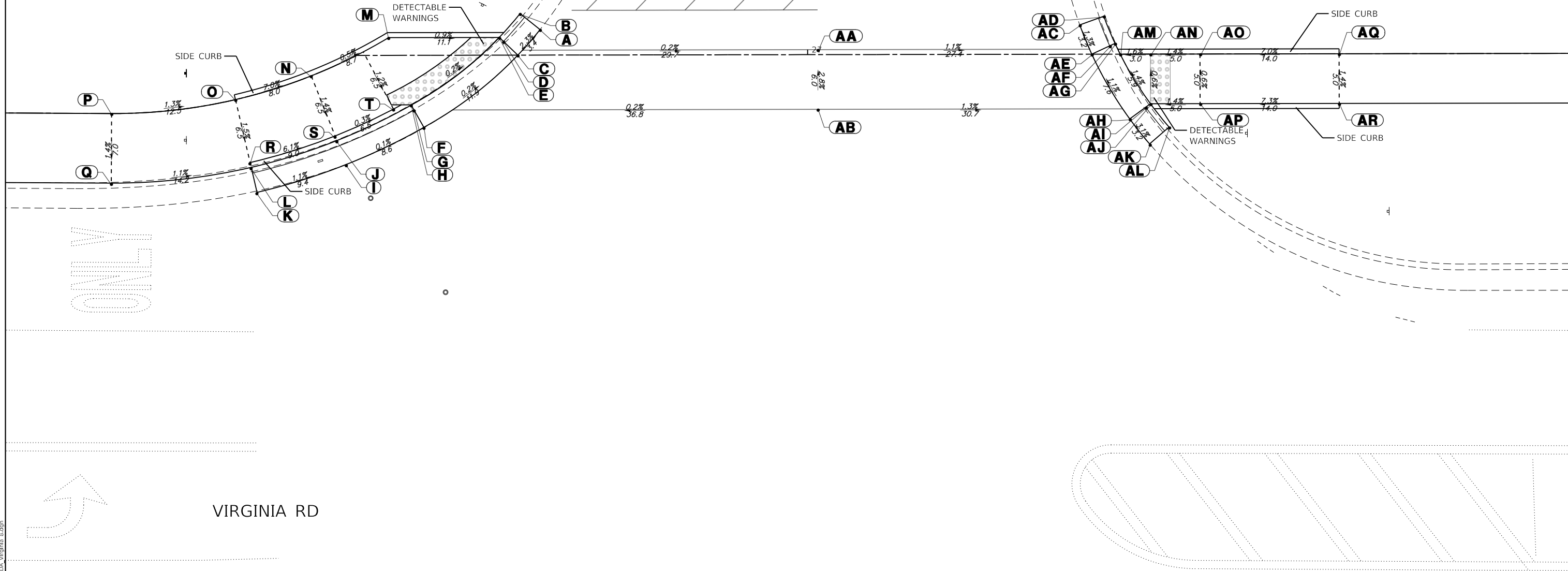
ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
AA	27+01	0.5' L	(895.21)
AB	27+01	5.5' R	(895.38)
AC	27+27.4	2.9' L	(894.88)
AD	27+29.8	3.8' L	895.26
AE	27+28.6	0.0'	(894.92)
AF	27+30.4	0.8' L	894.82
AG	27+30.9	1.1' L	894.86
AH	27+32.4	6.5' R	(895.00)
AI	27+34	5.3' R	894.90
AJ	27+34.5	5.0' R	894.94
AK	27+34.4	9.0' R	(895.10)
AL	27+36.4	7.4' R	895.48
AM	27+31.5	0.0'	894.86

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
AN	27+34.5	0.0'	894.91
AO	27+39.5	0.0'	894.98
AP	27+39.5	5.0' R	895.01
AQ	27+53.5	0.0'	895.96
AR	27+53.5	5.0' R	896.03



COMMERCIAL RD

EXIST. R.O.W.



ONLY

VIRGINIA RD



MODEL: Default
FILE NAME: 5423-130-sht-ADA_Virginia_8.dgn

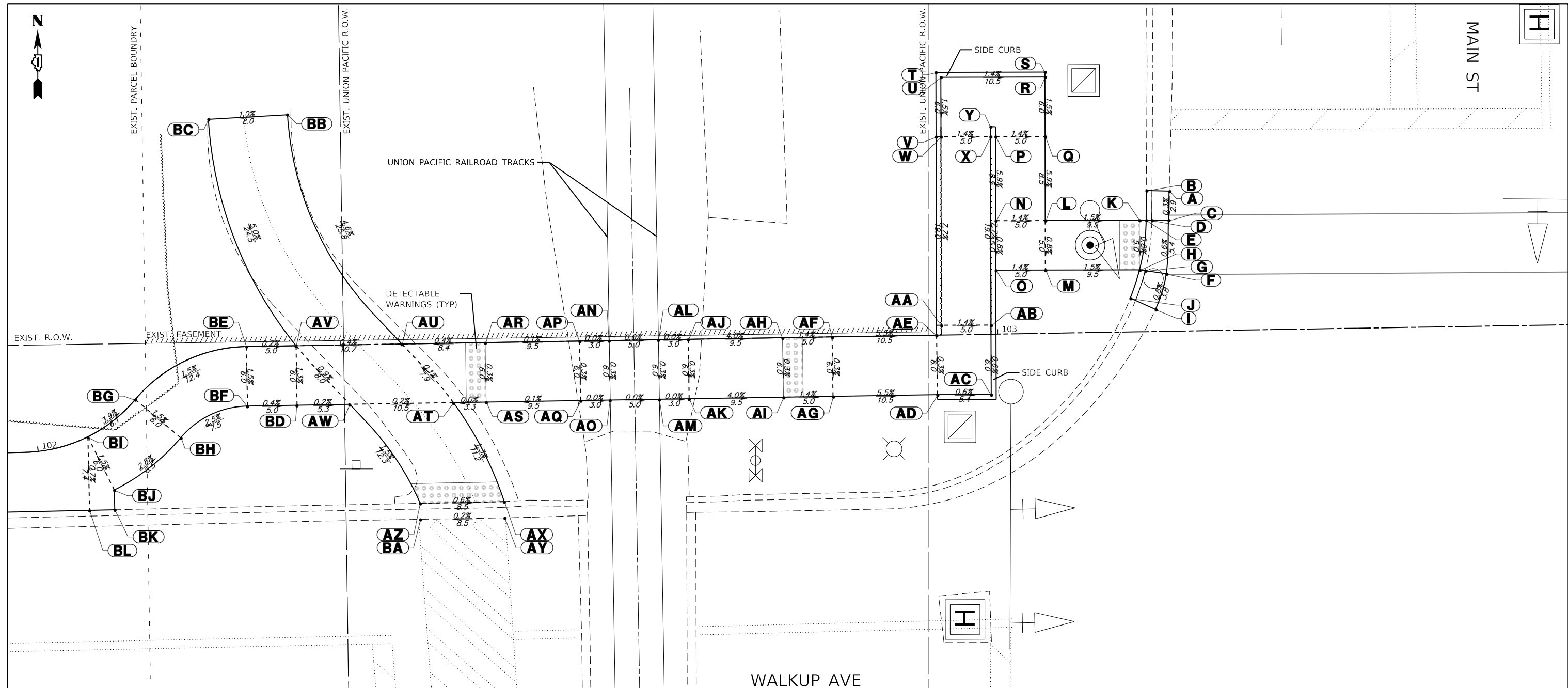
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5423-130-sht-ADA_Virginia_8.dgn		DRAWN - DGO	REVISED -
5423.13	PLOT SCALE = 1:10,0005	CHECKED - KLB	REVISED -
Default	PLOT DATE = 7/1/2024	DATE - 7/10/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA GRADING DETAILS - VIRGINIA ROAD
CITY OF CRYSTAL LAKE, ILLINOIS

SCALE: 1"=5' SHEET 6 OF 8 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00131-00-SW	MCHENRY	97	49
			CONTRACT NO. 61171	
ILLINOIS FED. AID PROJECT				



ADA GRADING TABLE		
STATION	OFFSET	ELEVATION
A	103+17.5 14.1' L	(897.43)
B	103+15.2 14.2' L	898.02
C	103+17.4 11.2' L	(897.42)
D	103+15.8 11.2' L	897.32
E	103+15.2 11.2' L	897.36
F	103+17.1 5.8' L	(897.39)
G	103+15 6.2' L	897.29
H	103+14.4 6.3' L	897.33
I	103+16 2.2' L	(897.36)
J	103+13.5 3.4' L	897.90
K	103+14.5 11.2' L	897.37
L	103+05 11.4' L	897.51
M	103+04.9 6.4' L	897.47

ADA GRADING TABLE		
STATION	OFFSET	ELEVATION
N	103+00 11.5' L	897.58
O	102+99.9 6.5' L	897.54
P	103+00.1 19.9' L	898.08
Q	103+05.1 19.9' L	898.01
R	103+05.2 25.9' L	898.10
S	103+05.2 26.4' L	898.43
T	102+94.2 26.5' L	898.58
U	102+94.7 26.0' L	898.25
V	102+94.1 20.0' L	898.49
W	102+94.6 20.0' L	898.16
X	102+99.6 19.9' L	898.09
Y	102+99.6 20.9' L	898.42

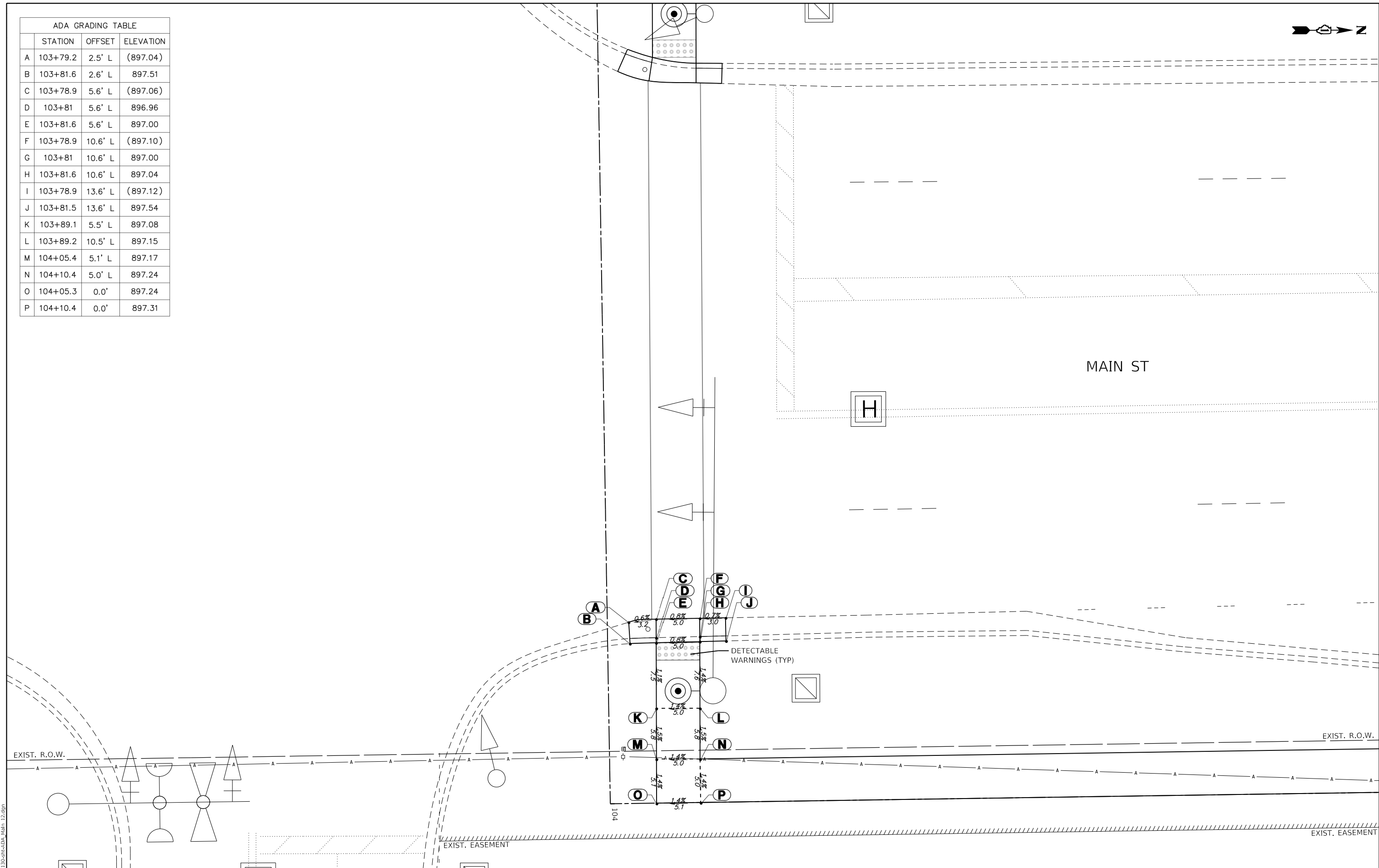
ADA GRADING TABLE		
STATION	OFFSET	ELEVATION
AA	102+94.4 1.0' L	899.63
AB	102+99.4 0.9' L	899.56
AC	102+99.3 6.1' R	899.60
AD	102+93.8 6.0' R	899.63
AE	102+93.8 0.0'	899.65
AF	102+83.3 0.0' R	900.23
AG	102+83.3 6.0' R	900.21
AH	102+78.3 0.0'	900.30
AI	102+78.3 6.0' R	900.28
AJ	102+68.8 0.0'	900.68
AK	102+68.8 6.0' R	900.66
AL	102+65.8 0.0'	900.68
AM	102+65.8 6.0' R	900.66

ADA GRADING TABLE		
STATION	OFFSET	ELEVATION
AN	102+60.8 0.0'	900.68
AO	102+60.8 6.0' R	900.66
AP	102+57.8 0.0'	900.68
AQ	102+57.8 6.0' R	900.66
AR	102+48.3 0.0' R	900.67
AS	102+48.3 6.0' R	900.65
AT	102+45 6.0' R	900.65
AU	102+39.9 0.0'	900.64
AV	102+29.2 0.0'	900.60
AW	102+34.5 6.0' R	900.67
AX	102+50 16.1' R	(900.80)
AY	102+50 17.7' R	(900.71)
AZ	102+41.5 16.1' R	(900.85)

ADA GRADING TABLE		
STATION	OFFSET	ELEVATION
BA	102+41.5 17.7' R	(900.69)
BB	102+28.7 23.3' L	(899.45)
BC	102+22.8 23.1' L	(899.37)
BD	102+29.2 6.0' R	900.68
BE	102+24.2 0.0'	900.61
BF	102+24.2 6.0' R	900.70
BG	102+11.4 0.0'	900.42
BH	102+11.4 6.0' R	900.51
BI	102+05.3 0.0' R	900.66
BJ	102+05.3 6.0' R	900.75
BK	102+04.7 7.8' R	(900.76)
BL	102+03.1 7.0' R	(900.71)



ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
A	103+79.2	2.5' L	(897.04)
B	103+81.6	2.6' L	897.51
C	103+78.9	5.6' L	(897.06)
D	103+81	5.6' L	896.96
E	103+81.6	5.6' L	897.00
F	103+78.9	10.6' L	(897.10)
G	103+81	10.6' L	897.00
H	103+81.6	10.6' L	897.04
I	103+78.9	13.6' L	(897.12)
J	103+81.5	13.6' L	897.54
K	103+89.1	5.5' L	897.08
L	103+89.2	10.5' L	897.15
M	104+05.4	5.1' L	897.17
N	104+10.4	5.0' L	897.24
O	104+05.3	0.0'	897.24
P	104+10.4	0.0'	897.31



GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL Dwg.dgn
 FILE NAME: 5423-130-sht-ADA_Main 12.dgn

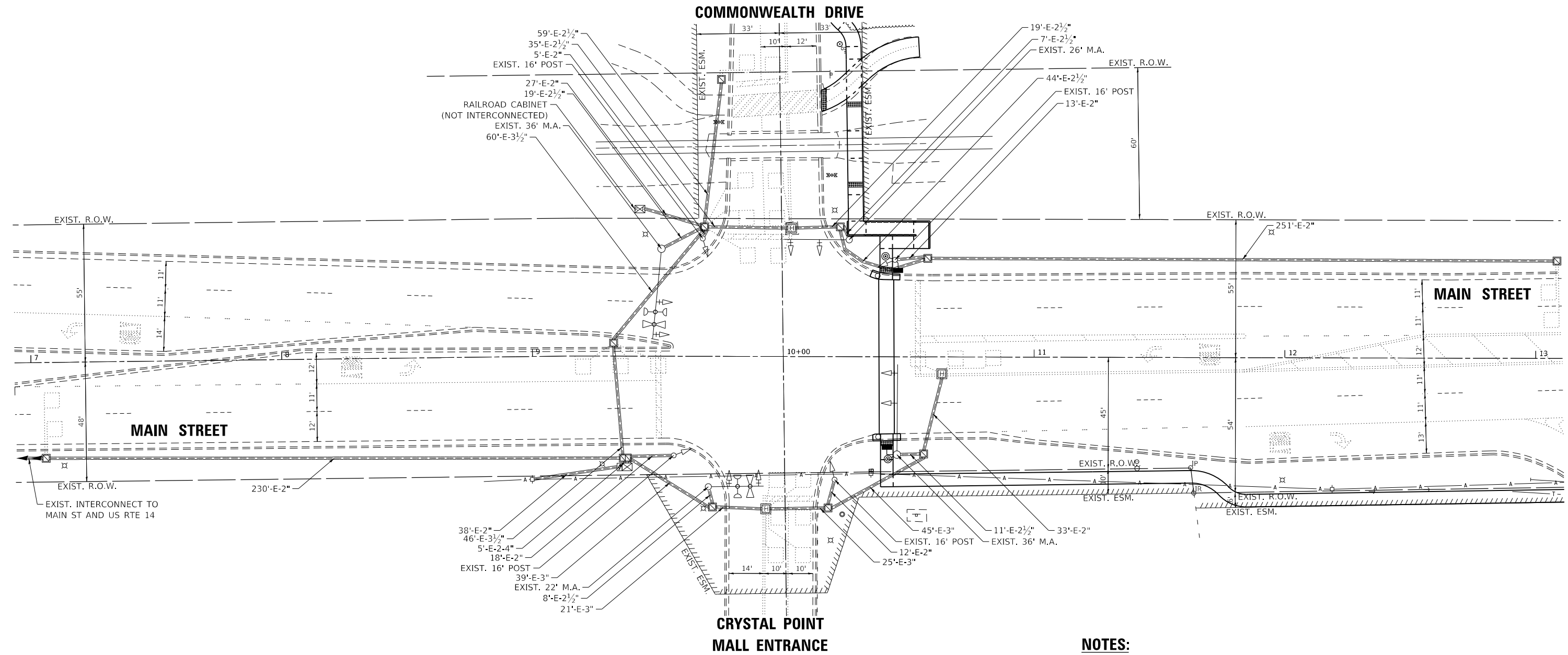
FILE NAME = 5423-130-sht-ADA_Main 12.dgn	USER NAME = DOhesak	DESIGNED - KLB	REVISED -
5423.13	PLOT SCALE = 1:10	DRAWN - DGO	REVISED -
Default	PLOT DATE = 7/1/2024	CHECKED - KLB	REVISED -
		DATE - 7/10/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA GRADING DETAILS - WALKUP AVENUE /MAIN STREET
CITY OF CRYSTAL LAKE, ILLINOIS

SCALE: 1"=5' SHEET 8 OF 8 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00131-00-SW	MCHENRY	97	51
			CONTRACT NO. 61171	
ILLINOIS FED. AID PROJECT				



NOTES:

1. ALL PEDESTRIAN PUSH-BUTTONS SHALL BE APS.

GHA GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 1

MODEL: Main @ Commonwealth
FILE NUMBER: 5423-130-sht-TS-Perm.dgn

FILE NAME =	5423-130-sht-TS-Perm.dgn
USER NAME =	DOhesak
DESIGNED -	RJH
DRAWN -	ZCW
CHECKED -	KLB
DATE -	7/10/2024

DESIGNED -	RJH
DRAWN -	ZCW
CHECKED -	KLB
DATE -	7/10/2024

DESIGNED -	RJH
DRAWN -	ZCW
CHECKED -	KLB
DATE -	7/10/2024

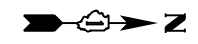
DESIGNED -	RJH
DRAWN -	ZCW
CHECKED -	KLB
DATE -	7/10/2024

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODIFICATION PLAN
MAIN ROAD AT COMMONWEALTH DRIVE**

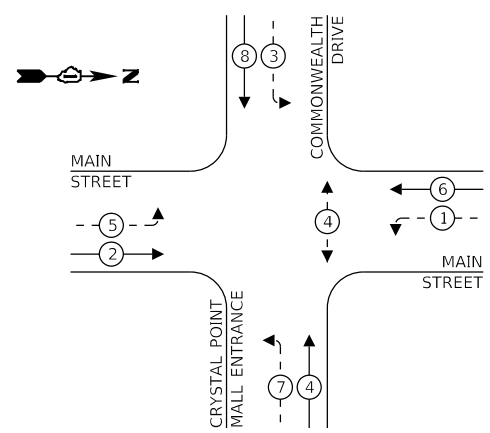
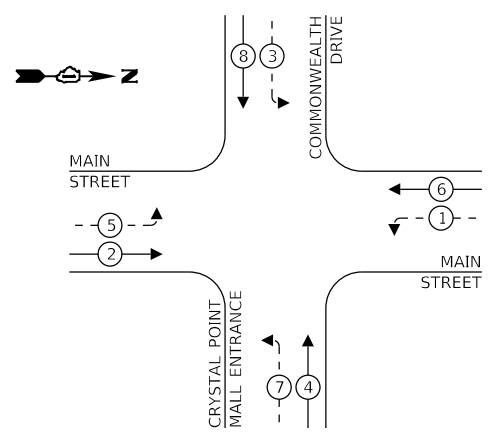
SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1	21-00131-00-SW	MCHENRY	97	52
			CONTRACT NO. 61171	
		ILLINOIS	FED. AID PROJECT	



EXISTING CONTROLLER SEQUENCE

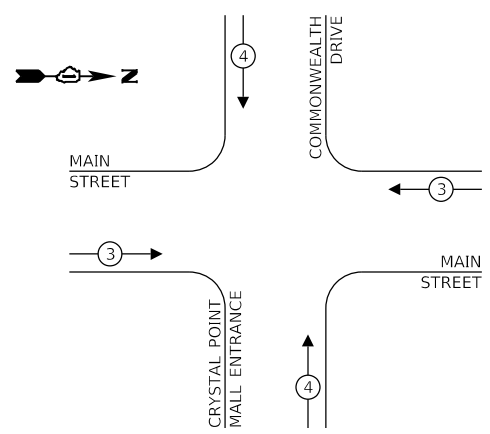
PROPOSED CONTROLLER SEQUENCE



LEGEND:

- ← * → PROTECTED PHASE
- ← - * - → PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← OL → OVERLAP

EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

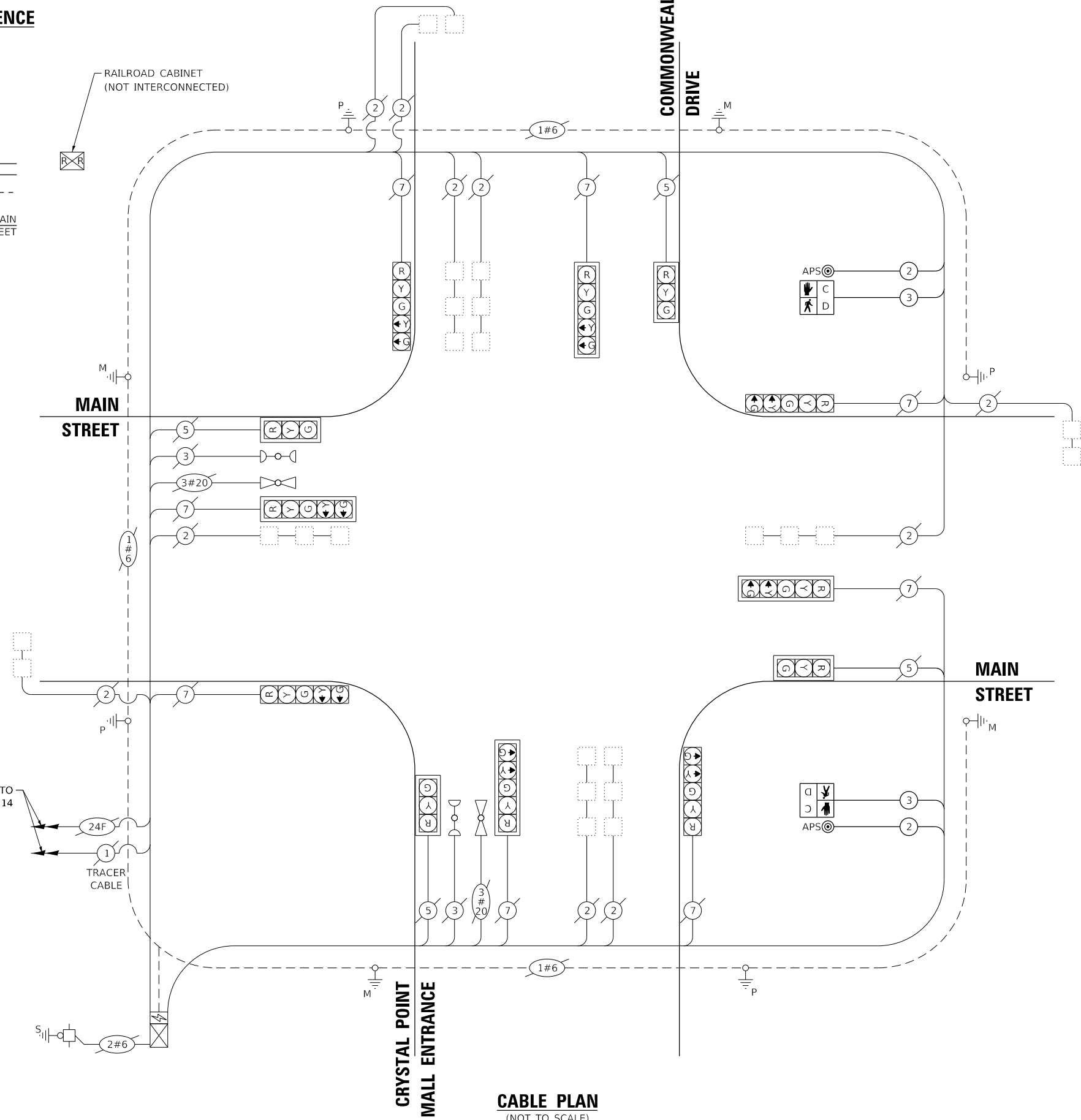
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66
(YELLOW)	12	20	5	12
(GREEN)	12	12	45	64.8
PROT-PERM ARROW	16	10	10	16
PED. SIGNAL	2	20	100	40
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	250	50	-
TOTAL =				323.8

ENERGY COSTS TO:

CITY OF CRYSTAL LAKE
100 W. WOODSTOCK STREET
CRYSTAL LAKE, IL 60014

ENERGY SUPPLY: CONTACT: _____
PHONE: _____
COMPANY: _____
ACCOUNT NUMBER: _____

EXISTING INTERCONNECT TO MAIN STREET / U.S. RTE 14



CABLE PLAN
(NOT TO SCALE)

GHA GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 2
MODEL: Main @ Commonwealth
FILE NUMBER: 5423-130-sht-TS-Cable-Perm.dgn
5423.13
Main @ Commonwealth

FILE NAME =	USER NAME = DOlesak	DESIGNED - RJH	REVISED -
5423-130-sht-TS-Cable-Perm.dgn		DRAWN - ZCW	REVISED -
5423.13		CHECKED - KLB	REVISED -
Main @ Commonwealth		DATE - 7/10/2024	REVISED -
		PLOT SCALE = 1:40	
		PLOT DATE = 7/1/2024	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
MAIN ROAD AT COMMONWEALTH DRIVE**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2	21-00131-00-SW	MCHENRY	97	53
			CONTRACT NO. 61171	
ILLINOIS FED. AID PROJECT				

ECON 23

SCHEDULE OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION	UNITS	TOTAL QTY.
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	488
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	502
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2
Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

NOTE: MATERIAL SUBMITTALS SHALL BE REVIEWED BY THE CITY OF CRYSTAL LAKE OR AN AUTHORIZED REPRESENTATIVE OF THE CITY PRIOR TO SUBMITTING FOR LOCAL ROADS REVIEW.

FILE NAME = 5423-130-sht-Signage.dgn	USER NAME = DOhesak	DESIGNED - RJH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES MAIN ROAD AT COMMONWEALTH DRIVE	MUN. RTE. 3	SECTION 21-00131-00-SW	COUNTY MCHENRY	TOTAL SHEETS 97	SHEET NO. 54		
5423.13	PLOT SCALE = 1:40	CHECKED - KLB	REVISED -			CONTRACT NO. 61171		ILLINOIS FED. AID PROJECT				
Main @ Commonwealth	PLOT DATE = 7/1/2024	DATE - 7/10/2024	REVISED -			SCALE: NONE	SHEET OF SHEETS STA. TO STA.					

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

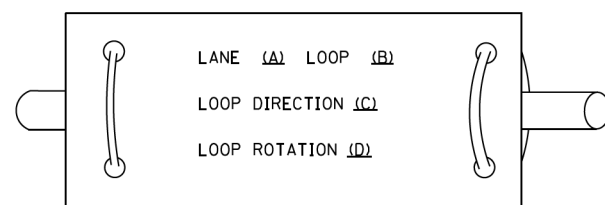
ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	 	 	RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM	S	SP	FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM	I	IP	GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM		R			
SIGNAL HEAD			RELOCATE ITEM		RL			
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM		A			
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF			
FLASHER INSTALLATION -(FS) SOLAR POWERED	 	 	MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF			
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF			
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	 	 	DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

GHA GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 4

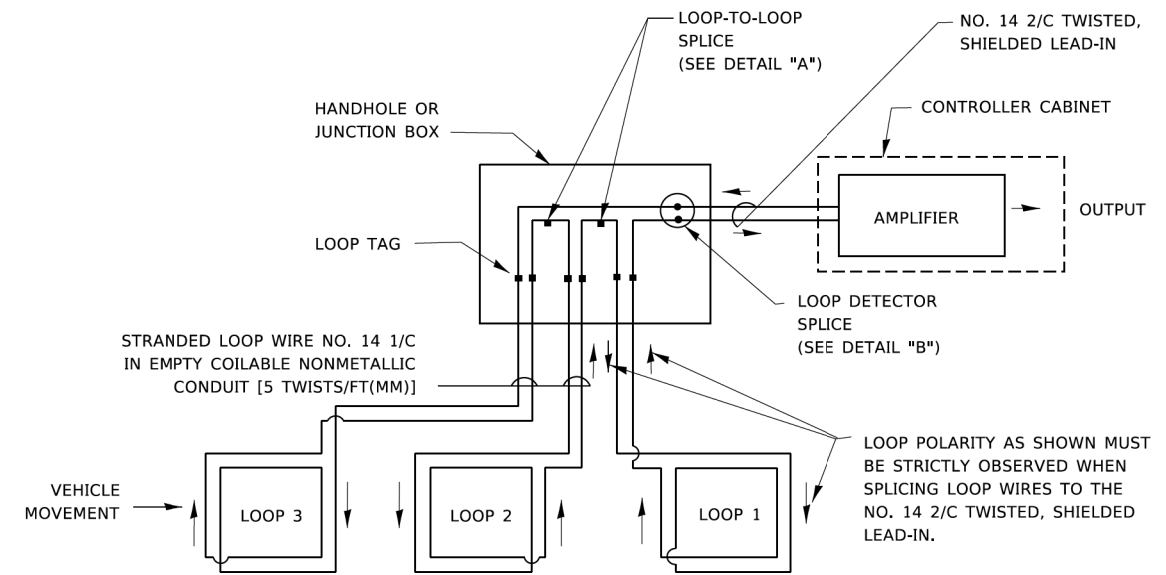
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVESHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

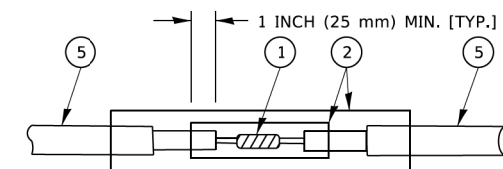


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

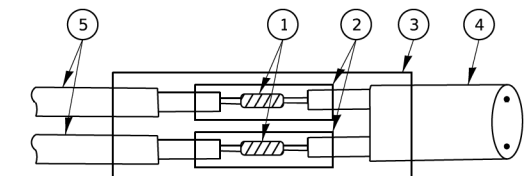


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE,
- THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

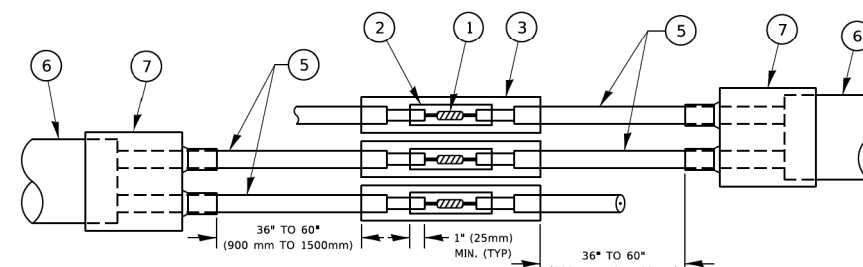


DETAIL "A"
LOOP-TO-LOOP SPLICE

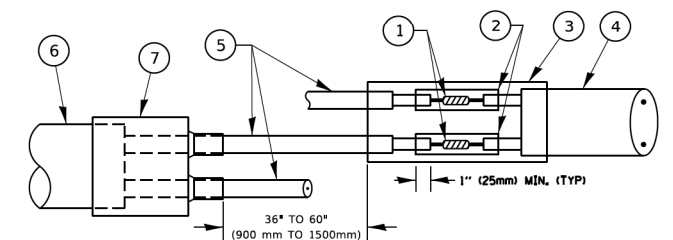


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

LOOP DETECTOR SPLICE

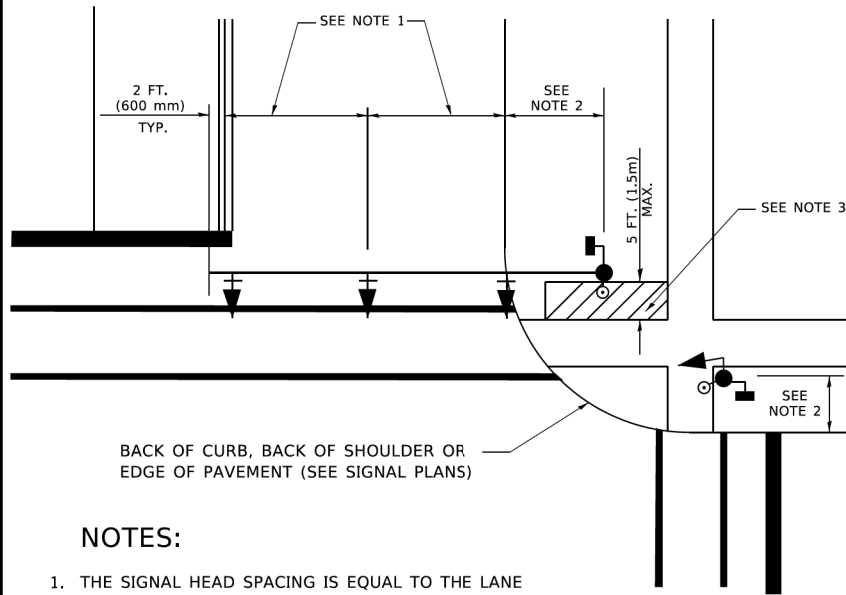
- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- 2 WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- 3 WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDED CABLE.
- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PREFORMED LOOP
- 6 XL POLYOLEFIN 2 CONDUCTOR
- 7 BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

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	DRAWN -	REVISED -
PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	56
TS-05			CONTRACT NO. 6171	
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

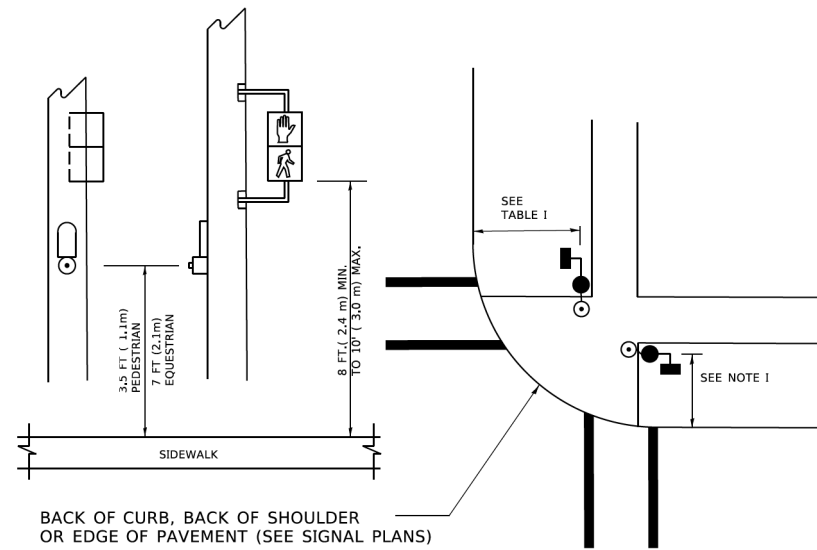
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

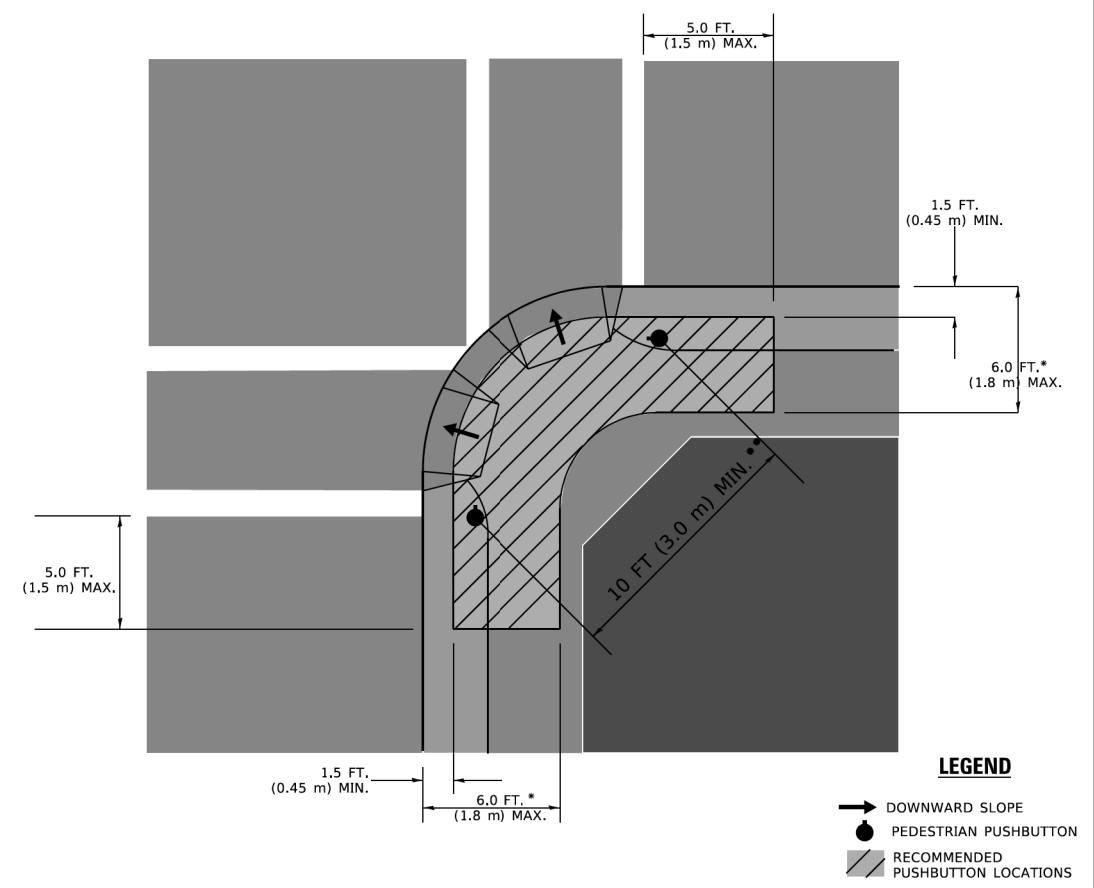
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



- * WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- ** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

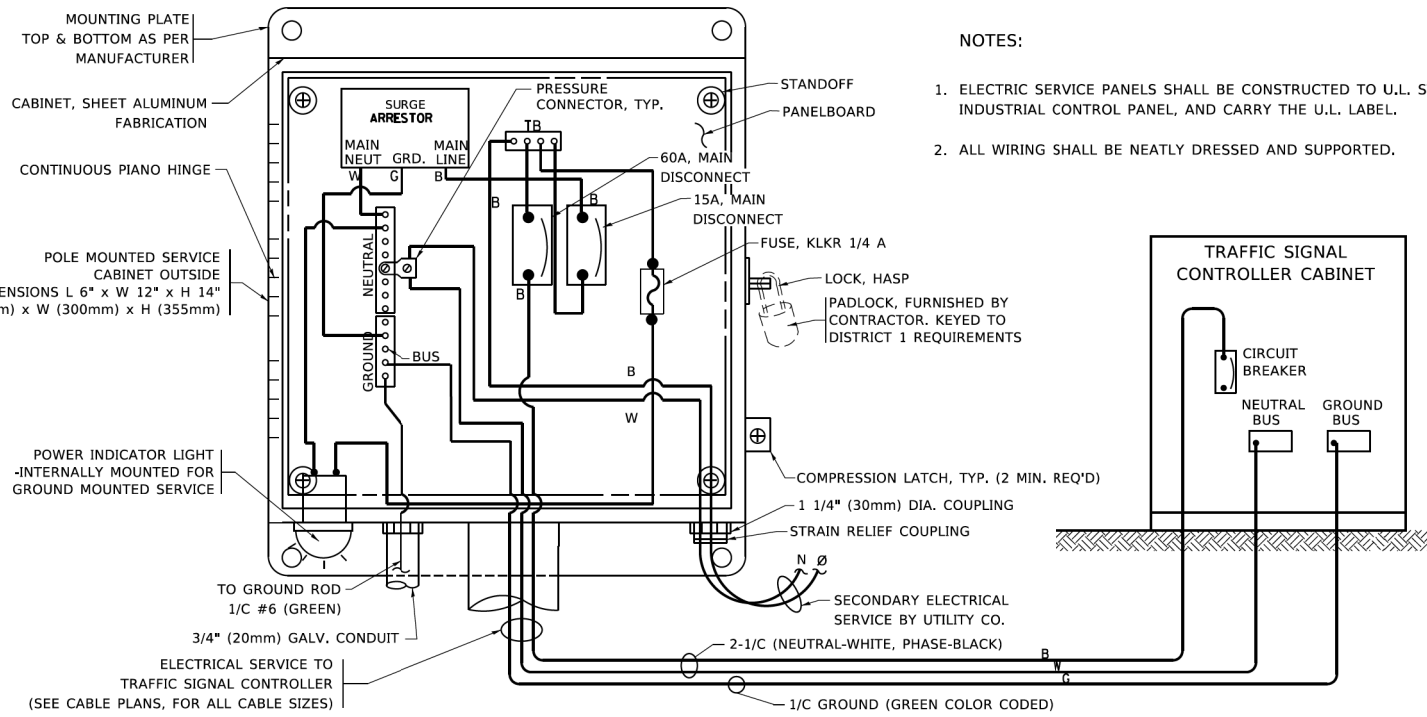
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.3m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.3m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

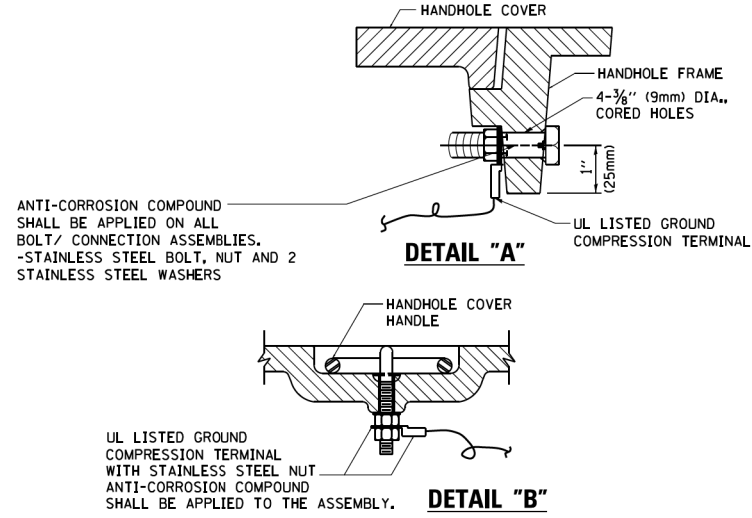
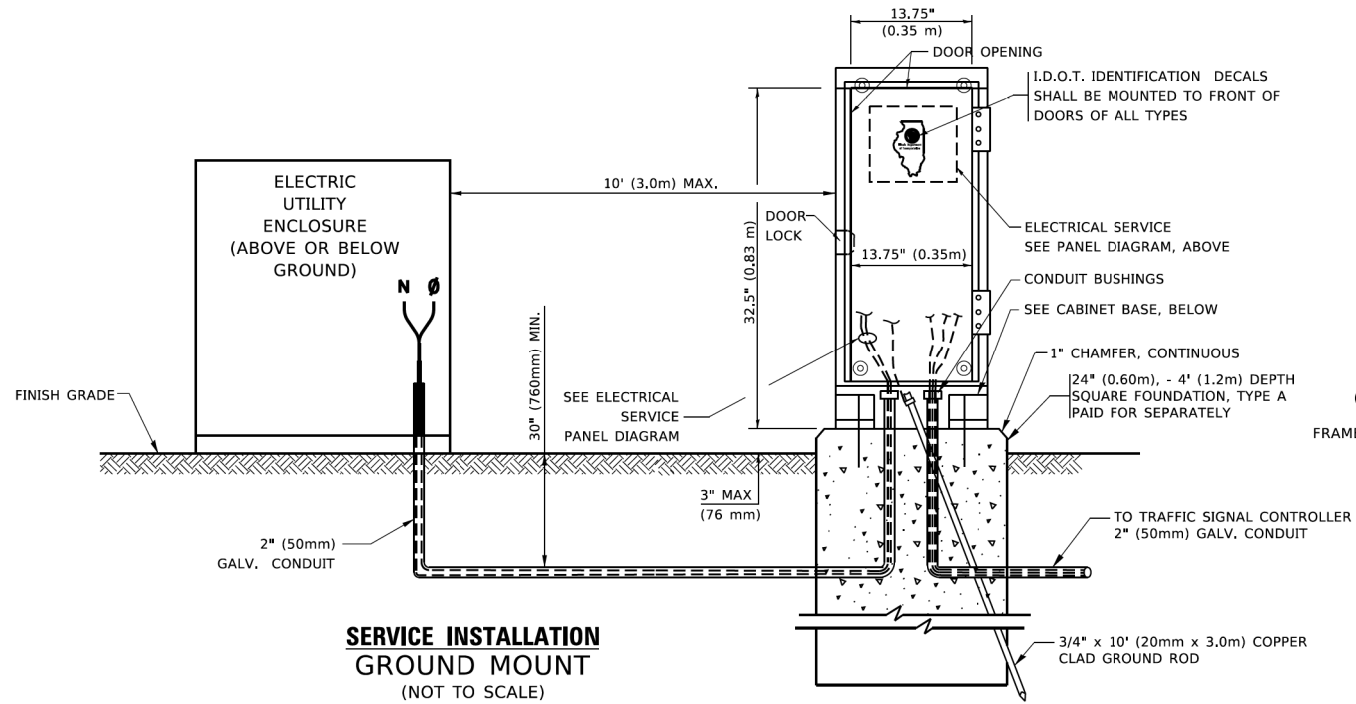
1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

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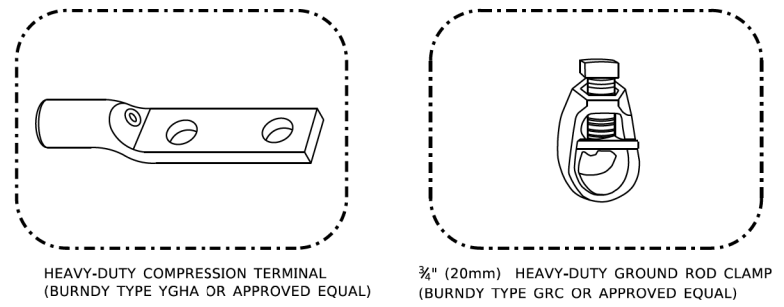
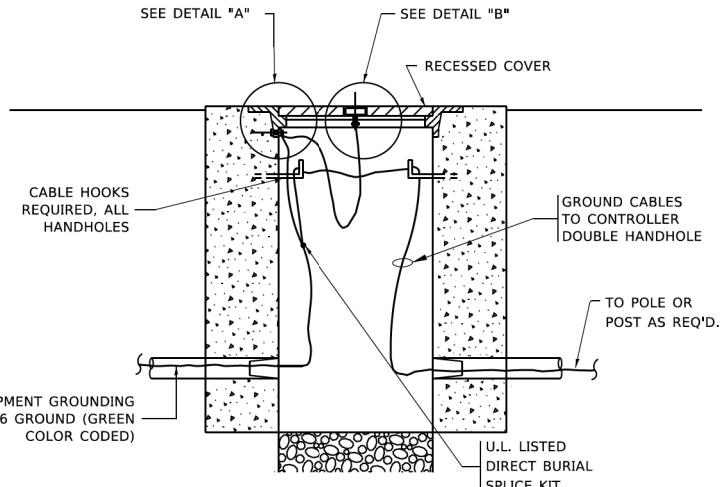


ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
 SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)

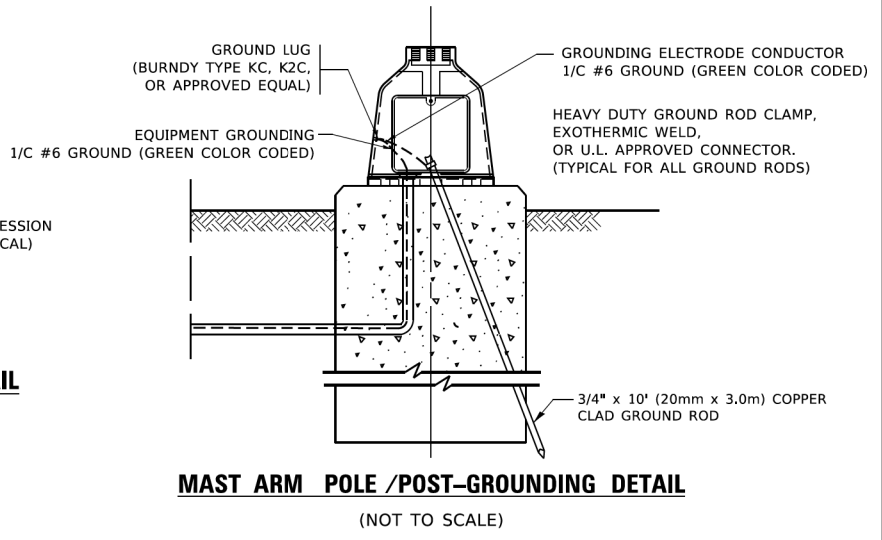
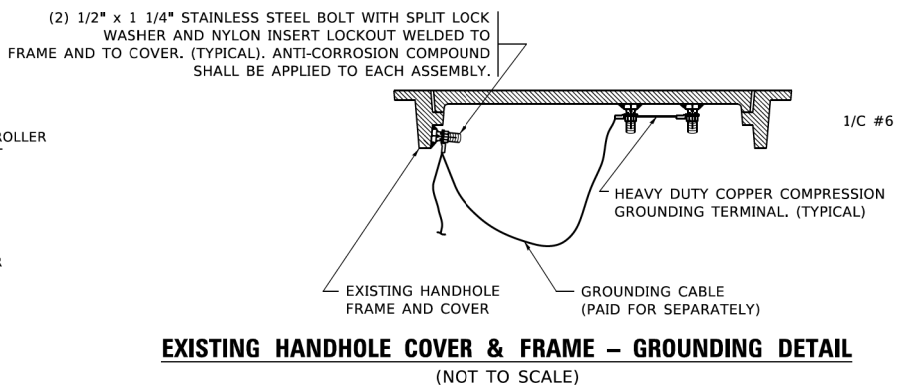


NOTES:
GROUNDING SYSTEM

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
 - 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
 - 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
 - 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



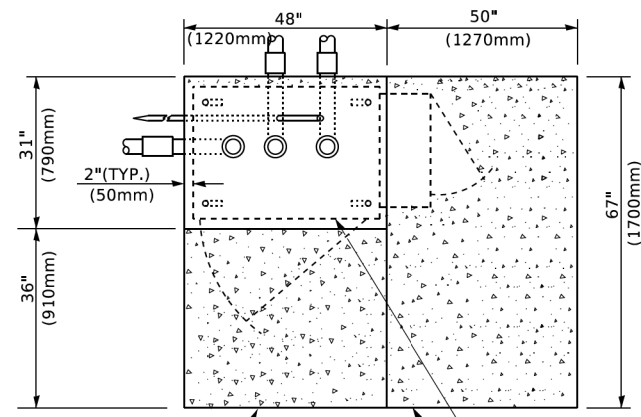
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

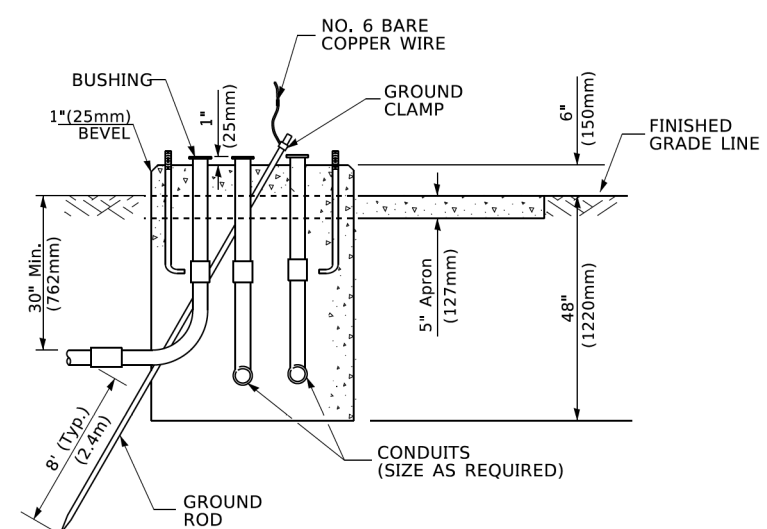
DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET 4 OF 7 SHEETS STA. TO STA.

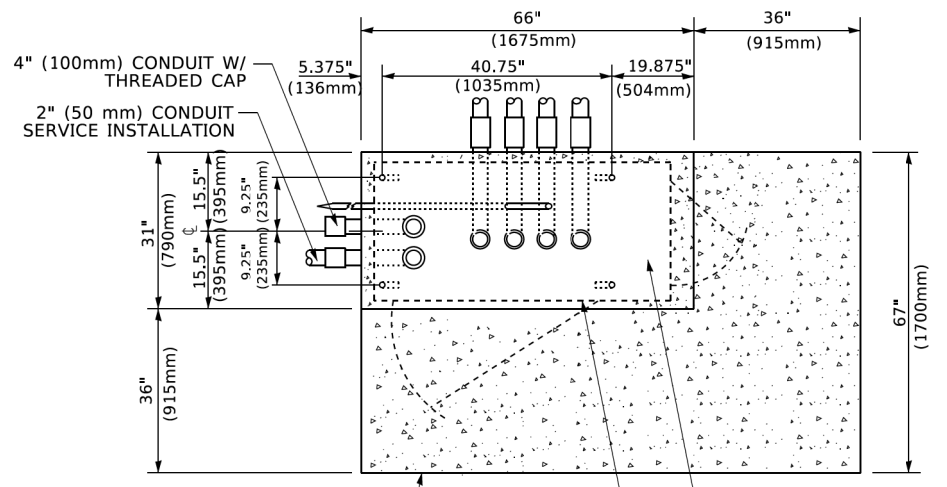
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TS-05		CONTRACT NO.	61171	
		ILLINOIS	FED. AID PROJECT	



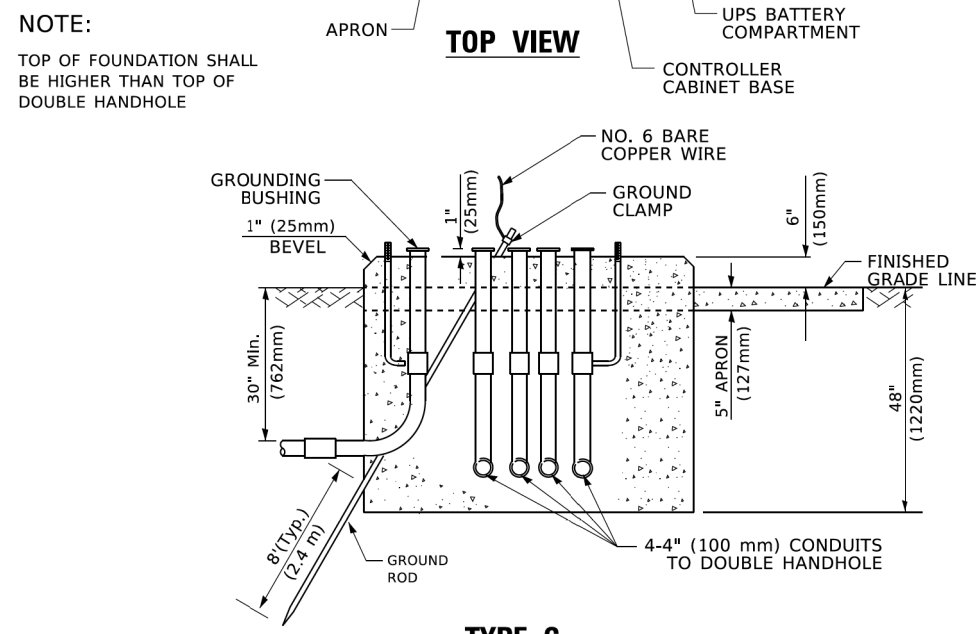
TOP VIEW



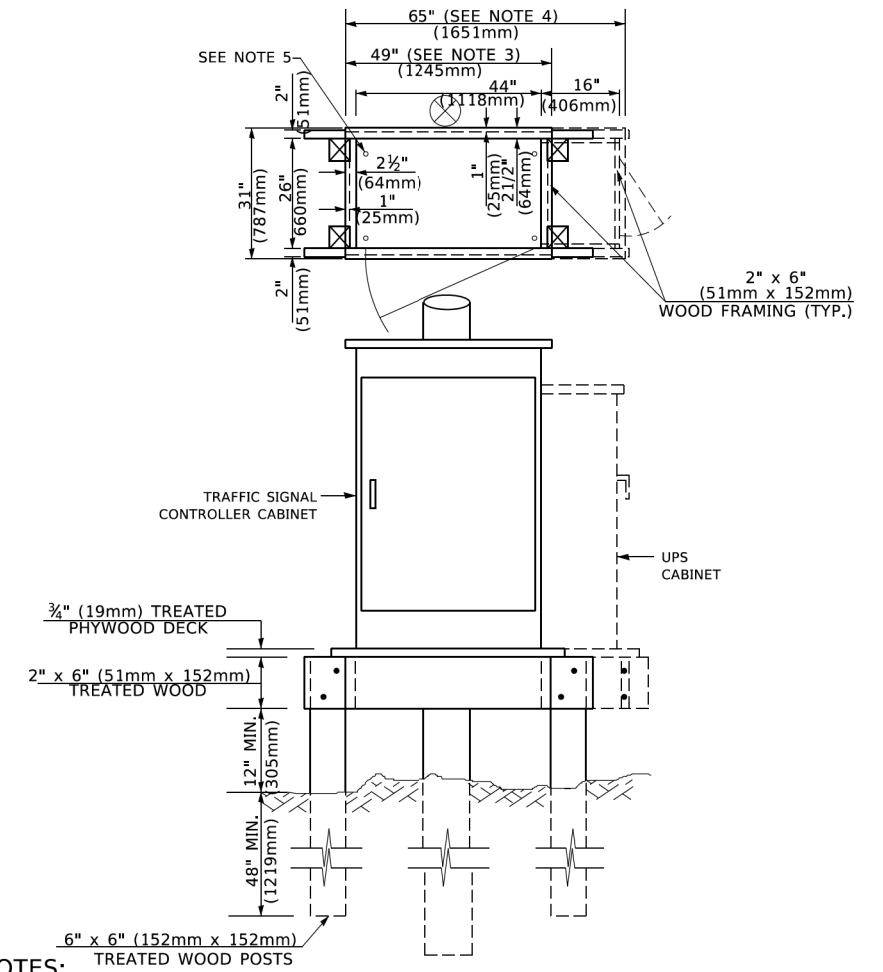
**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**



TOP VIEW



**TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS**



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations
4. For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

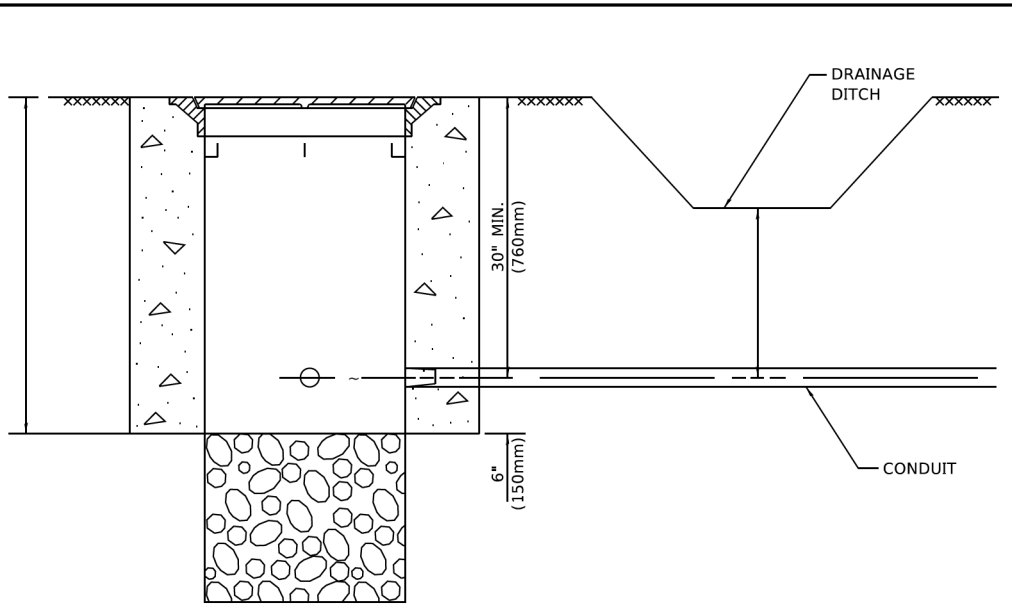
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PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 5 OF 7 SHEETS STA. TO STA.

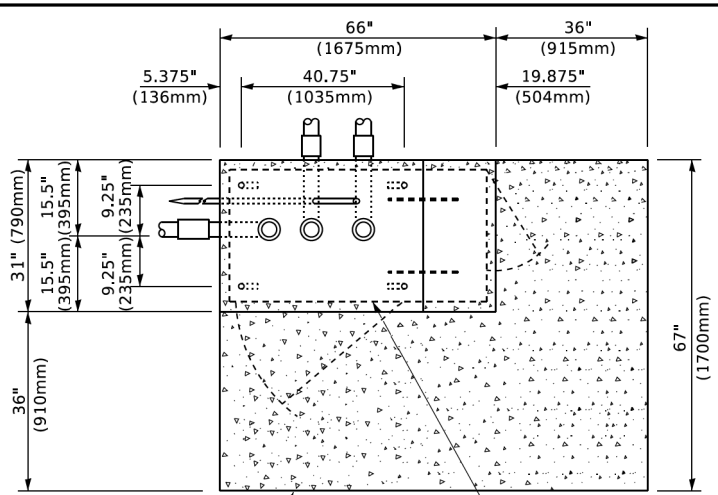
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TS-05		CONTRACT NO. 61J71		
ILLINOIS FED. AID PROJECT				



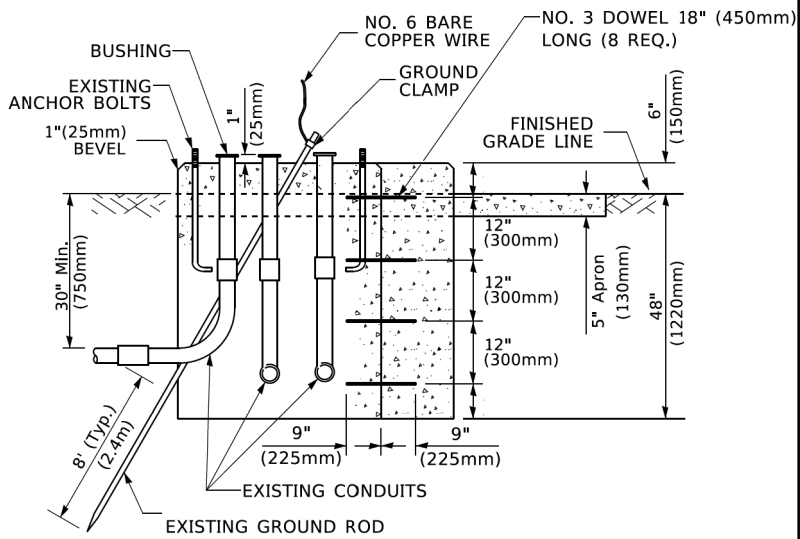
NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

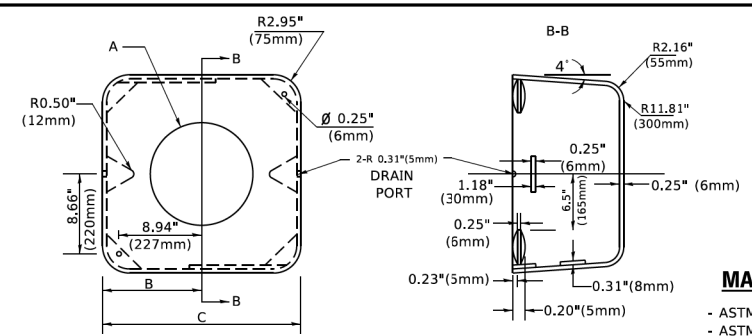
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



TOP VIEW
(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)



MATERIAL
- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

	A	B	C	HEIGHT	WEIGHT
VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)	
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)	
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)	
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)	

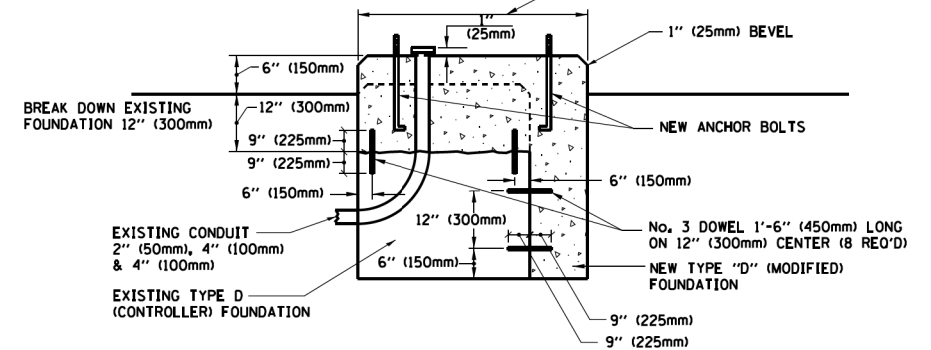
SHROUD

NOTES:

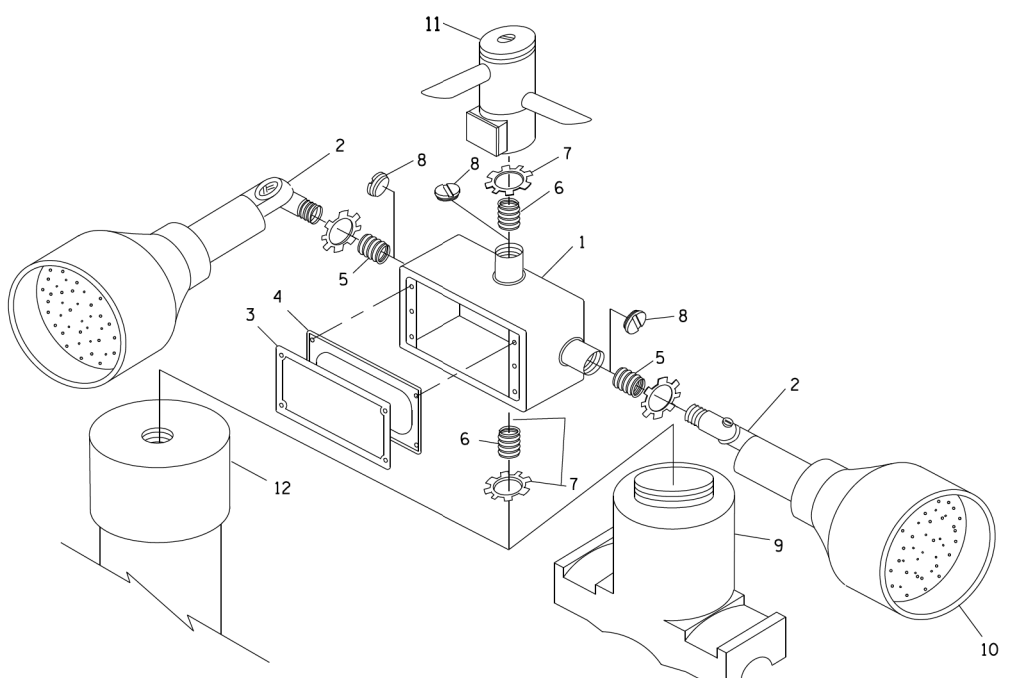
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION

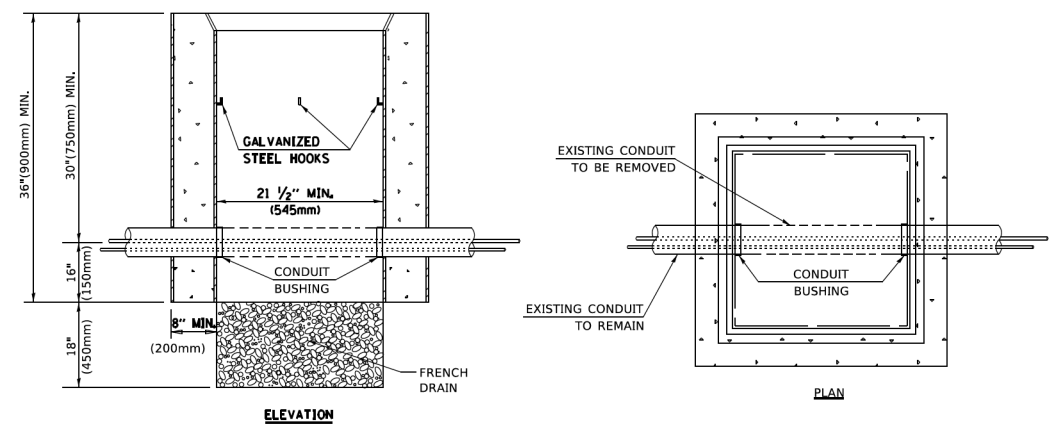


EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4"(19 mm) CLOSE NIPPLE
7	3/4"(19 mm) LOCKNUT
8	3/4"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4 "(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.

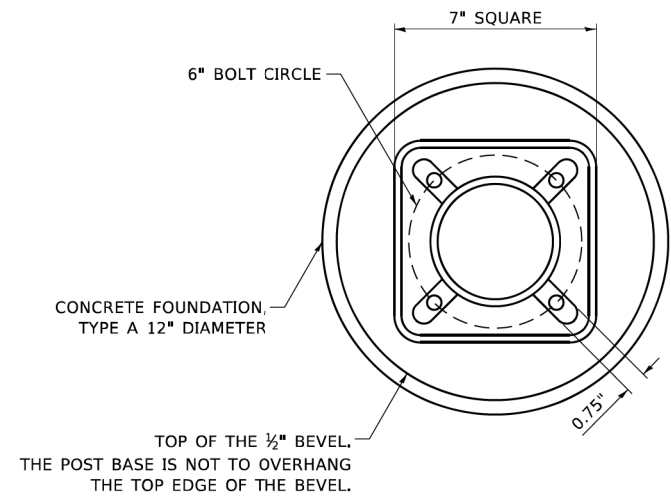


NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

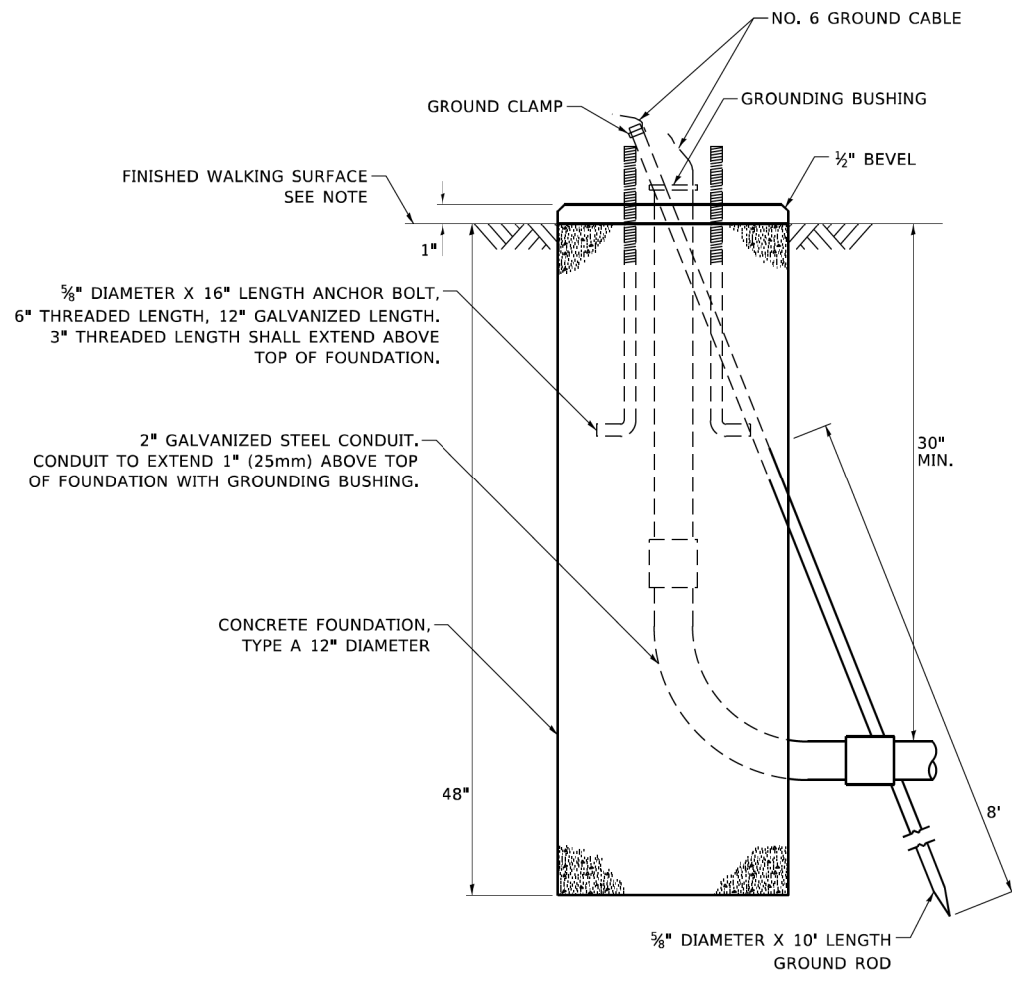
HANDHOLE TO INTERCEPT EXISTING CONDUIT

USER NAME	DESIGNED	REVISED
[footem]	-	-
	DRAWN	REVISED
	-	-
PLOT SCALE = 50,0000 ' / ft.	CHECKED	REVISED
	-	-
PLOT DATE = 3/4/2019	DATE	REVISED
	-	-

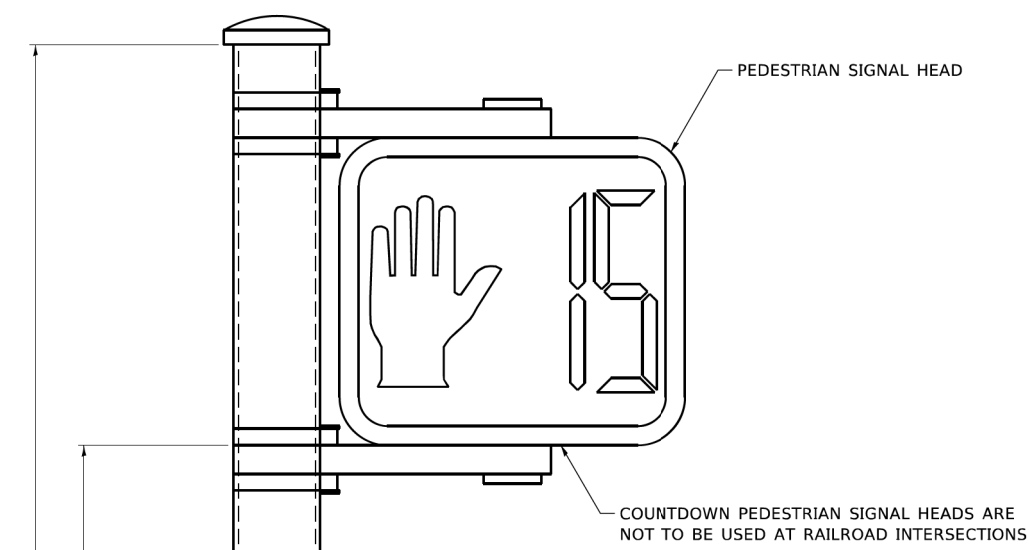


BOLT PATTERN

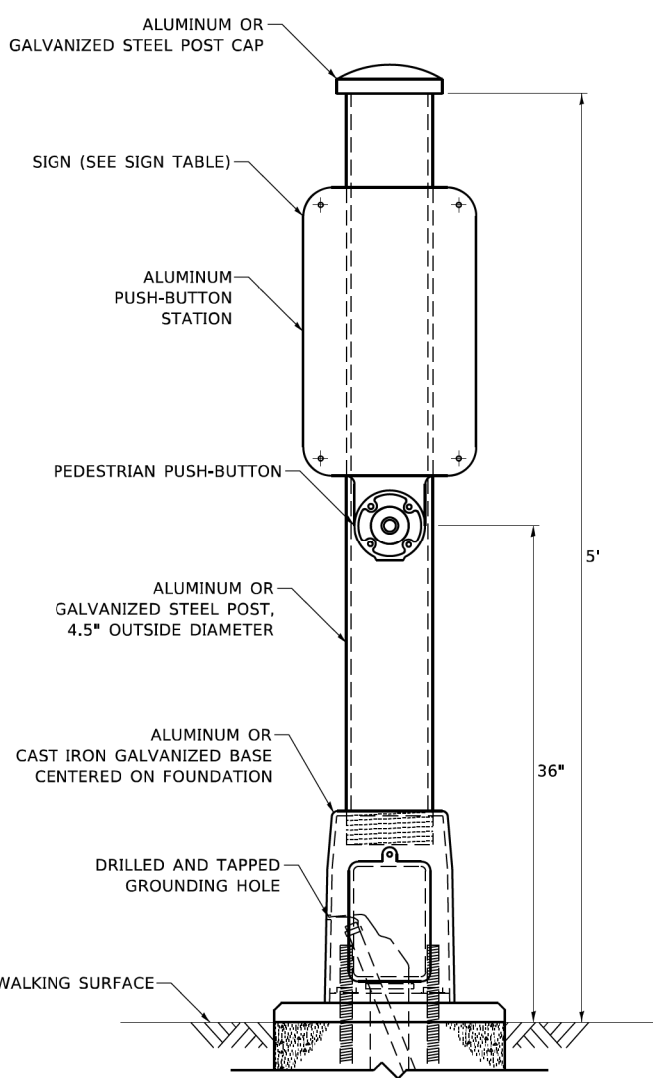
NOTE:
 1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER



PEDESTRIAN SIGNAL POST, 10 FT.



PEDESTRIAN SIGNAL POST, 5 FT.

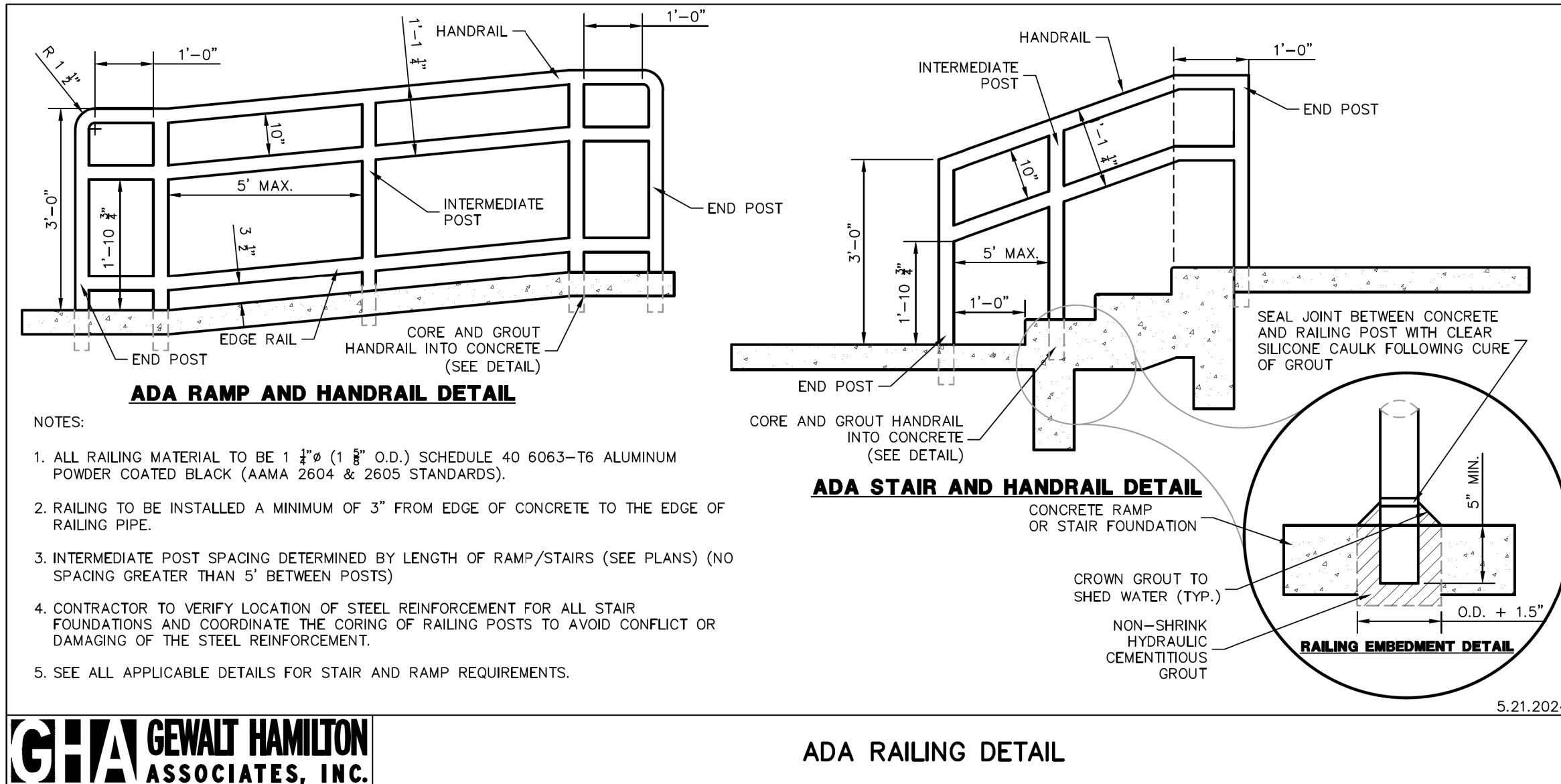


SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 15"

NOTES:
 1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
 2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
 3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

USER NAME = plascendal	DESIGNED - IP	REVISED - 10/15/2020
PLOT SCALE = 100,0000' / 1in.	DRAWN - IP	REVISED -
PLOT DATE = 11/17/2020	CHECKED - LP	REVISED -
	DATE - 10/15/2018	REVISED -



GHA GEWALT HAMILTON ASSOCIATES, INC.

ADA RAILING DETAIL

GHA GEWALT HAMILTON ASSOCIATES, INC.

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
5423-130-sht-details GHA 1.dgn	DDhesak	KLB	-
5423.13	PLOT SCALE =	DRAWN -	REVISED -
Default	1:2	DGO	-
	PLOT DATE =	CHECKED -	REVISED -
	7/1/2024	KLB	-
		DATE -	REVISED -
		7/10/2024	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GHA DETAILS	
CITY OF CRYSTAL LAKE, ILLINOIS	
SCALE: NONE	SHEET 1 OF 1 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00131-00-SW	MCHENRY	97	62
			CONTRACT NO. 61171	
ILLINOIS FED. AID PROJECT				

ELEVATION

36" (MIN.) FENCE POST, DRIVEN 16" (MIN.) INTO GROUND

MAX. 5' (TYP.)

FASTENER: MINIMUM NO. 10 GAGE WIRE; 4 PER POST REQUIRED (TYP.)

WOVEN WIRE FENCE: OPTIONAL EXCEPT WHEN REQUIRED BY THE CITY ENGINEER TO PROTECT SENSITIVE NATURAL RESOURCES OR STORM WATER MANAGEMENT FACILITIES (MIN. 14½ GAGE, MAX. 6" MESH SPACING).

FILTER FABRIC

MIN. 20" (TYP.)

HEIGHT OF FABRIC MIN. 16"

MIN. 8"

MIN. 16" (TYP.)

MATERIAL SPECIFICATIONS:

POSTS: STEEL (EITHER "T" OR "U" TYPE) OR HARDWOOD WITH A MINIMUM CROSS-SECTIONAL AREA OF 3.0 SQ. IN.

FENCE: WOVEN WIRE (14½ GAGE) WITH 6" MAX. MESH OPENING

FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA T 140N.

NOTES:

1. TEMPORARY SEDIMENT FENCE SHALL BE INSTALLED PRIOR TO ANY GRADING WORK IN THE AREA TO BE PROTECTED. THEY SHALL BE MAINTAINED, AS NEEDED, THROUGHOUT THE CONSTRUCTION PERIOD AND REMOVED IN CONJUNCTION WITH THE FINAL GRADING AND SITE STABILIZATION.
2. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POST WITH TIES OR STAPLES
3. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID-SECTION
4. WHEN TWO (2) SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX (6) INCHES AND FOLDED
5. MATERIAL SHALL BE REMOVED WHEN BULGES DEVELOP IN THE SILT FENCE
6. DOUBLE ROWS OF SILT FENCE SPACED FIVE (5) FEET APART SHALL BE PLACED AROUND EXISTING STORMWATER MANAGEMENT FACILITIES OR WETLANDS AS ADDITIONAL PROTECTION WHEN REQUIRED BY CITY ENGINEER

FABRIC ANCHOR DETAIL

WOVEN WIRE FENCE (MIN. 14½ GAGE, MAX. 6" MESH SPACING) WITH FILTER FABRIC COVER

UNDISTURBED GROUND LINE

DIRECTION OF FLOW

MIN. 8"

COMPACTED BACKFILL

MIN. 6"

Revised: 1. 06/12/2015
2.
3.
4.

Drawing Name: SILT FENCE

Drawing Number: EC-01

Date: 12/4/2012

Drawn: DD, Checked: AW

City of Crystal Lake Illinois

INSTALLATION DETAIL

DUMP STRAP

1" REBAR FOR BAG REMOVAL FROM INLET

SEDIMENT SACK

DUMP STRAP

BAG DETAIL

EXPANSION RESTRAINT (½" NYLON ROPE, 2 FLAT WASHER)

DUMP STRAPS (2 EACH)

SEDIMENT CONTROL DEVICE

Revised: 1. 06/12/2015
2.
3.
4.

Drawing Name: INLET SEDIMENT CONTROL DEVICE

Drawing Number: EC-04

Date: 11/2/2007

Drawn: EM, Checked: AW

City of Crystal Lake Illinois

PLAN

3'

1.5'

2' MAX.

INLET

ANCHOR (2 PER BALE)

STRAW BALE

2' MAX.

SECTION

FLOW

ANCHOR

INLET

STRAW BALE

FILTER FABRIC

4"

NOTES:

1. THE IMMEDIATE LAND AREA AROUND THE INLET SHOULD BE RELATIVELY FLAT (LESS THAN 1% SLOPE) AND LOCATED SO THAT THE ACCUMULATED SEDIMENT CAN BE EASILY REMOVED.
2. THE INSIDE EDGE OF THE BALES SHALL BE A MAXIMUM OF 2 FEET FROM THE EDGE OF THE INLET.
3. FILTER FABRIC SHALL MEET THE REQUIREMENTS OF IL URBAN MANUAL MATERIAL SPECIFICATION 592 GEOTEXTILE, TABLE 1 OR 2, CLASS 1 WITH AOS OF AT LEAST 30 FOR NONWOVEN AND 50 FOR WOVEN.
4. ANCHORS SHALL BE REBAR, STEEL PICKETS OR 2" X 2" STAKES, AND SHALL BE LONG ENOUGH TO EXTEND AT LEAST 1.5 TO 2.0 FEET INTO THE GROUND WHEN THE TOP IS FLUSH WITH THE TABLE.
5. STRAW BALES MUST BE WRAPPED WITH STRING AROUND THE SIDES OF THE BALE, NOT ON THE BOTTOM (TO PREVENT STRING FROM ROTTING).

Revised: 1. 06/12/2015
2.
3.
4.

Drawing Name: INLET PROTECTION STRAW BALE BARRIER

Drawing Number: EC-03

Date: 4/15/2007

Drawn: EM, Checked: AW

City of Crystal Lake Illinois

PLAN VIEW

FULL DEPTH EXPANSION JOINT (PCC DRIVEWAY ONLY)

24' Min 36' Max

PROPERTY LINE

5' WIDE P.C.C. SIDEWALK

TYPE B-4.12 CURB AND GUTTER (RADIUS EQUALS "D" OR 30" MAX. OR AS APPROVED BY CITY ENGINEER)

"D" (DEPTH OF PARKWAY)

SIDEWALK RAMP, TYP. (SEE DETAIL RD-03)

PCC SIDEWALK, 8" THROUGH APPROACH

DEPRESSED CURB THROUGH DRIVEWAY

STRUCTURAL SECTION A-A (BITUMINOUS DRIVEWAY)

5' (OR MATCH EXISTING)

<2%

PCC SIDEWALK, 8"

HMA SURFACE COURSE, 1.5"

8% MAX SLOPE

DEPRESSED CURB SEE DETAIL RD-04b

COMPACTED AGGREGATE BASE COURSE (CA-6 GRADE 8 OR 9), 2"

HMA BASE COURSE, 6"

2.5" COMPACTED AGGREGATE BASE COURSE (CA-6 GRADE 9)

STRUCTURAL SECTION A-A (P.C.C. DRIVEWAY)

5' (OR MATCH EXISTING)

<2%

PCC SIDEWALK, 8"

PCC CLASS SL 8"

8% MAX SLOPE

DEPRESSED CURB SEE DETAIL RD-04b

COMPACTED AGGREGATE BASE COURSE (CA-6 GRADE 8 OR 9), 2"

COMPACTED AGGREGATE BASE COURSE (CA-6 GRADE 9), 2"

NOTES:

1. MAX. CONSTRUCTED APPROACH GRADE = 8%. APPROACH SHALL BE DESIGNED AT 8% UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
2. FOR THICKNESS OF PAVEMENT "T", VERTICAL THICKNESS OF THE GUTTER FLAG SHALL BE A MINIMUM OF 9 INCHES. FOR HMA BASE COURSE PAVEMENT SECTIONS THE GUTTER FLAG SHALL BE SAME THICKNESS AS PAVEMENT STRUCTURE.
3. TRANSITION FROM FULL CURB TO DEPRESSED CURB IN 2 LINEAL FEET, WHEN APPLICABLE.

LEGEND:

① FOR PARKING LOT SEE UNIFIED DEVELOPMENT ORDINANCE, APPENDIX SECTION A-700.

Revised: 1. 06/12/2015
2. 02/25/2020
3. 01/19/2023 JRG - Update curb radius and transitions details
4.

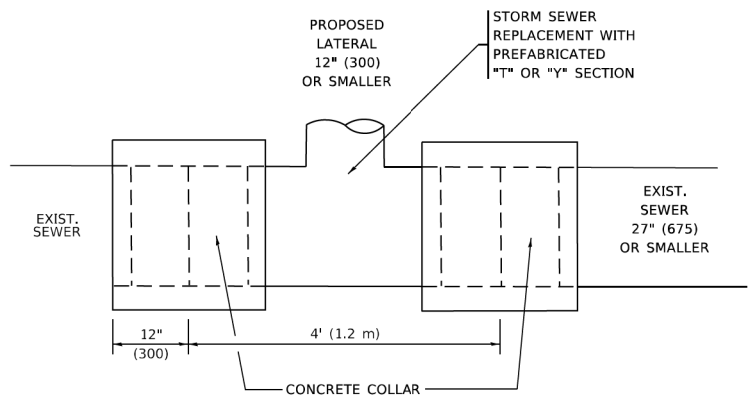
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Drawing Number: RD-01a

Date: 01/30/15

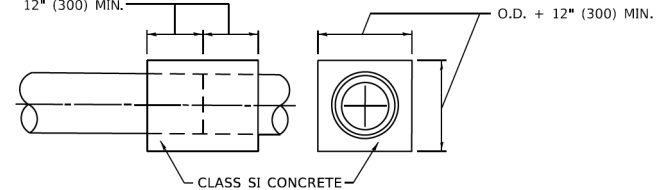
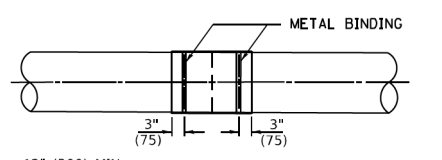
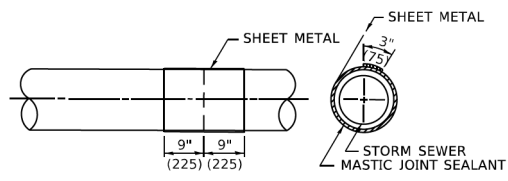
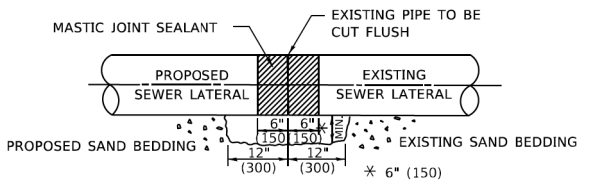
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City of Crystal Lake Illinois



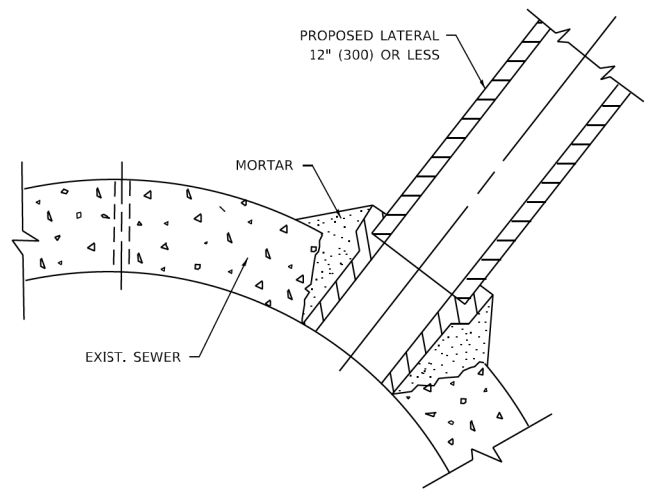
DETAIL "A"

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

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERANCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.

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.

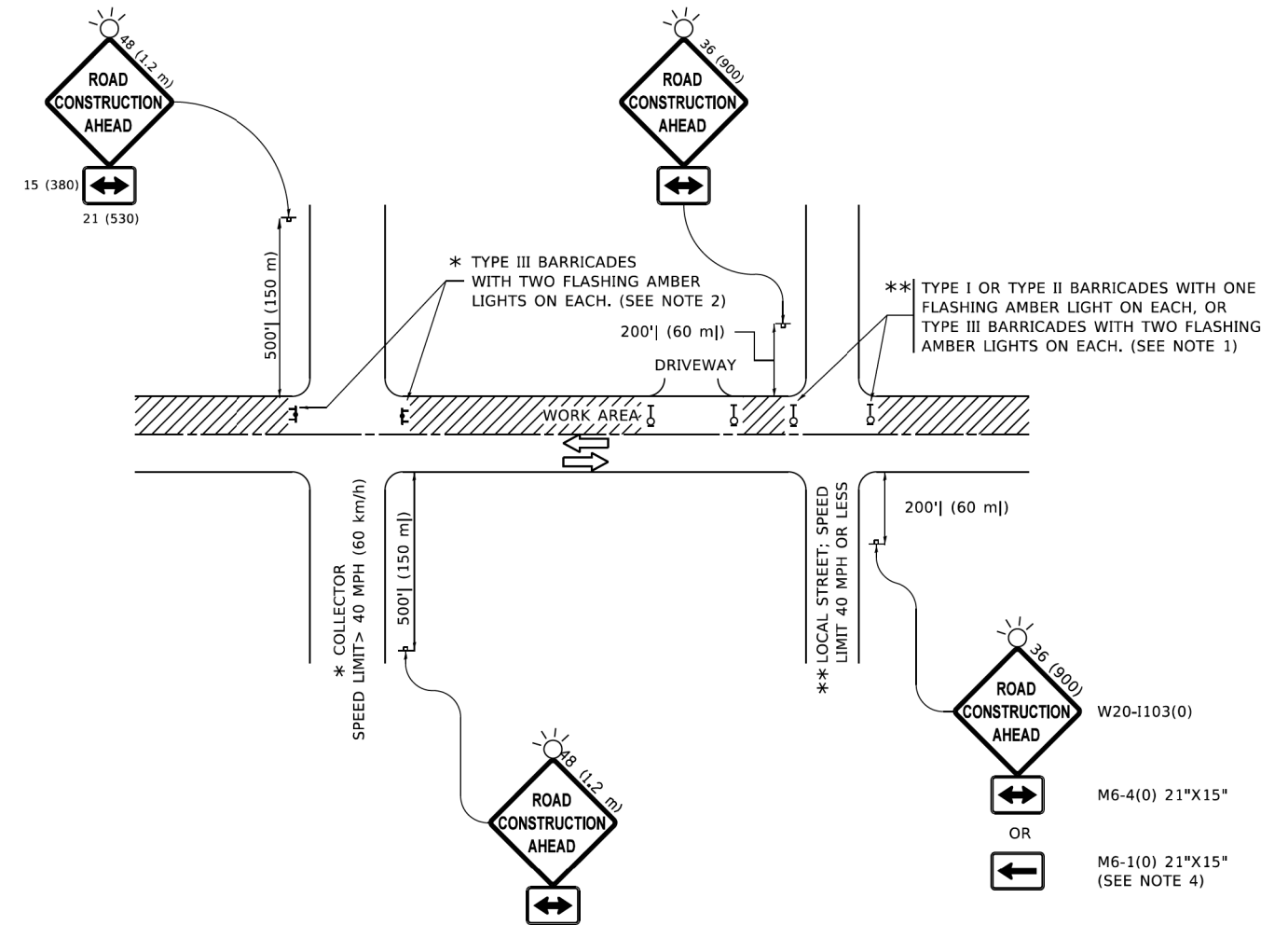
BASIS OF PAYMENT

- TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE 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.
- CONCRETE COLLAR 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.

MODEL: Default
FILE: \\paul\idp\csw_bentley.com\PROJECTS\Documents\DOT_Offices\District 1\Projects\Dist5\0272323\CAD\Drawn\CAD\shh\sheet1607.dgn

USER NAME = Lawrence,DeManche	DESIGNED - M. DE YONG	REVISED - R. SHAH 09-09-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -	REVISED - R. SHAH 10-25-94	0124					21-00131-00-SW	MCHENRY	97	64	
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - R. SHAH 06-12-96		BD500-01 (BD-07)			CONTRACT NO. 61171				
PLOT DATE = 11/18/2022	DATE - 07-25-90	REVISED - K. SMITH 11-18-22		SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				



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.
- SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE
- 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.

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

MODEL: Default
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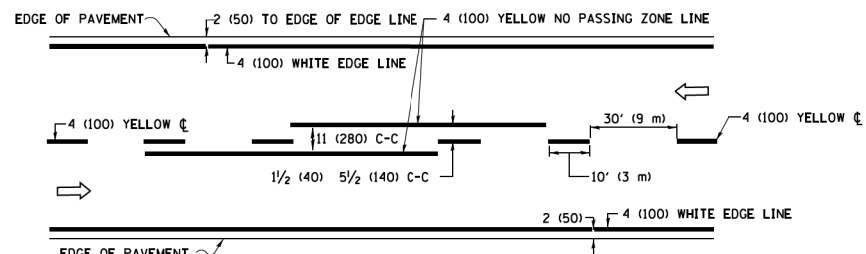
USER NAME = Lawrence,DeManche	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00
	DRAWN -	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 5/3/2024	DATE - 06-89	REVISED - D. SENDERAK 05-03-24

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

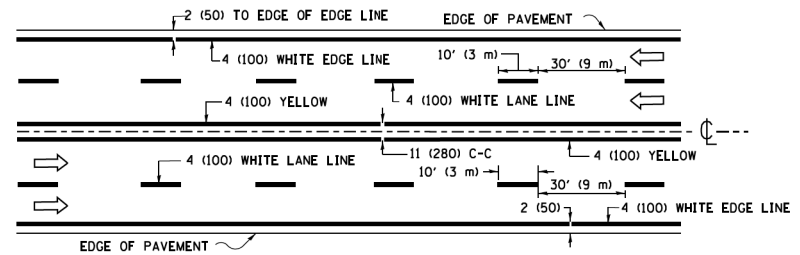
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

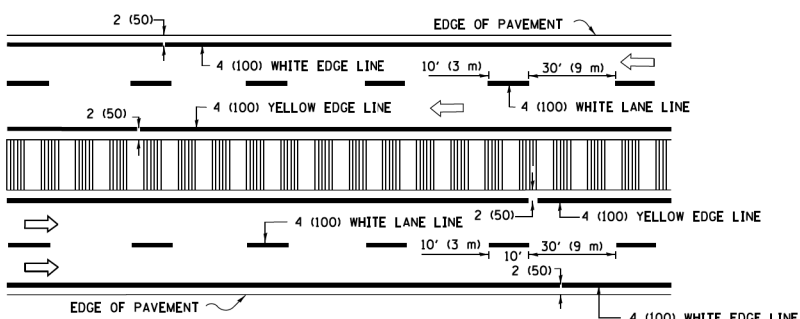
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	65
TC-10			CONTRACT NO. 6171	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

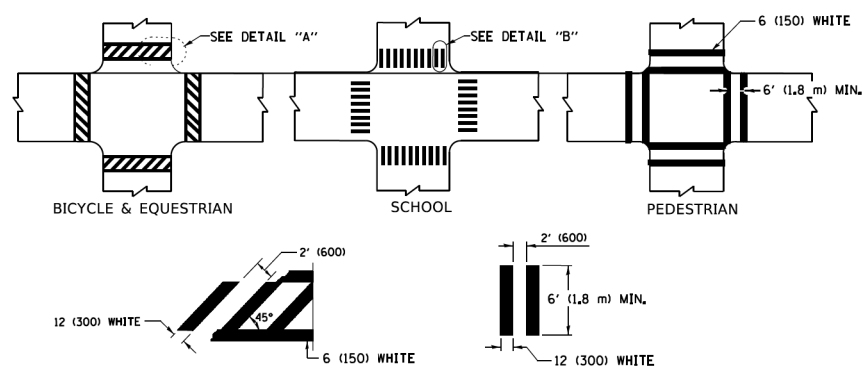


MULTI-LANE UNDIVIDED



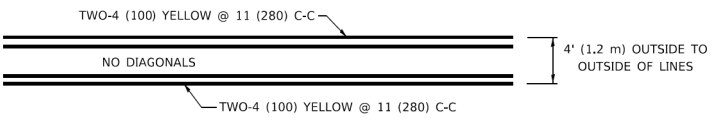
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

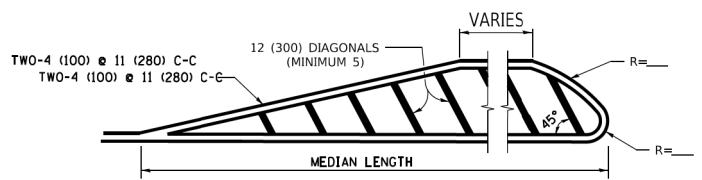


TYPICAL CROSSWALK MARKING

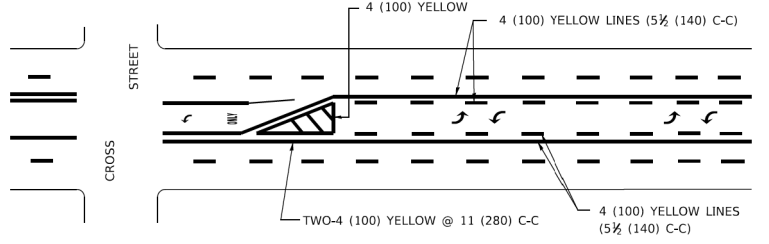
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



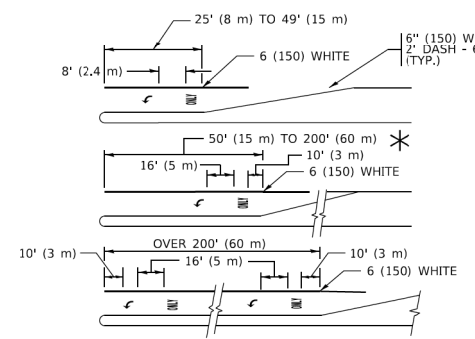
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE



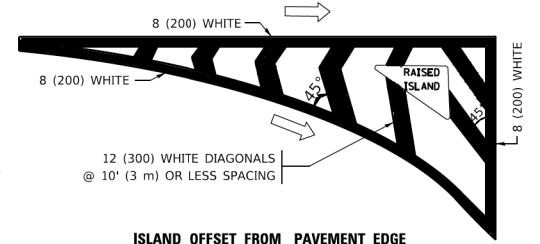
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



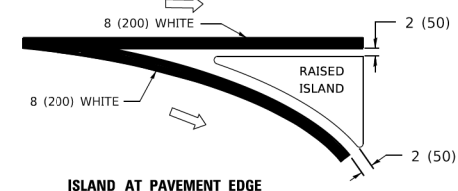
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE 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".

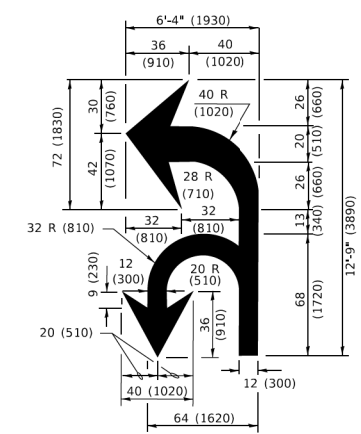


ISLAND OFFSET FROM PAVEMENT EDGE

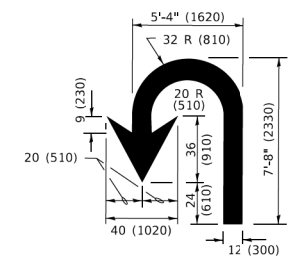


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION
 * LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

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) 2' (600) APART 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" 15' 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.

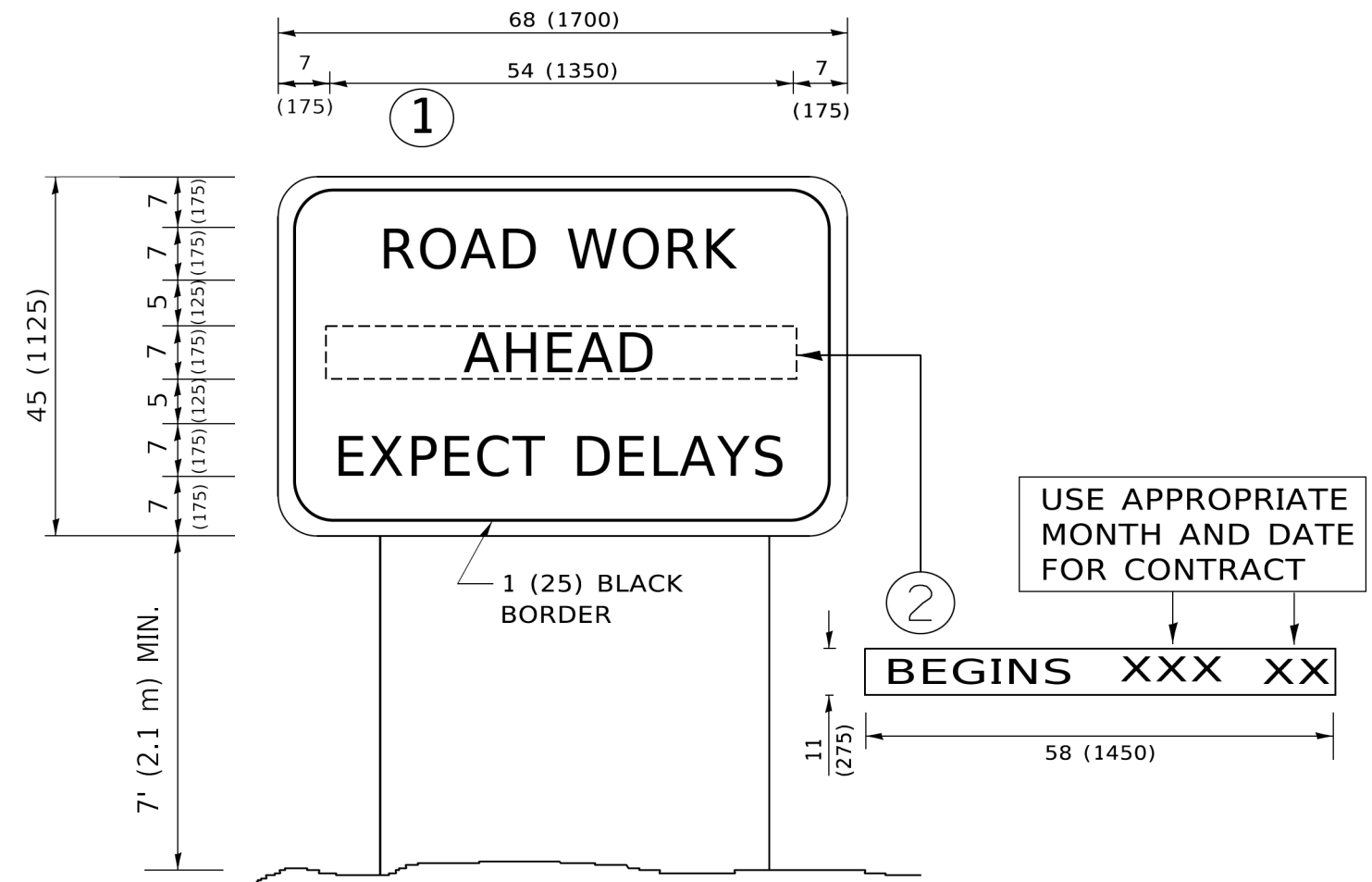
All dimensions are in inches (millimeters) unless otherwise shown.

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USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
PLOT SCALE = 50.00000 ' / 1"	CHECKED -	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
		REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS		0124	21-00131-00-SW	MCHENRY	97	66
SCALE: NONE	SHEET 1 OF 2 SHEETS	STA.	TO STA.	TC-13		
				ILLINOIS	FED. AID PROJECT	CONTRACT NO. 61171



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

MODEL: Default
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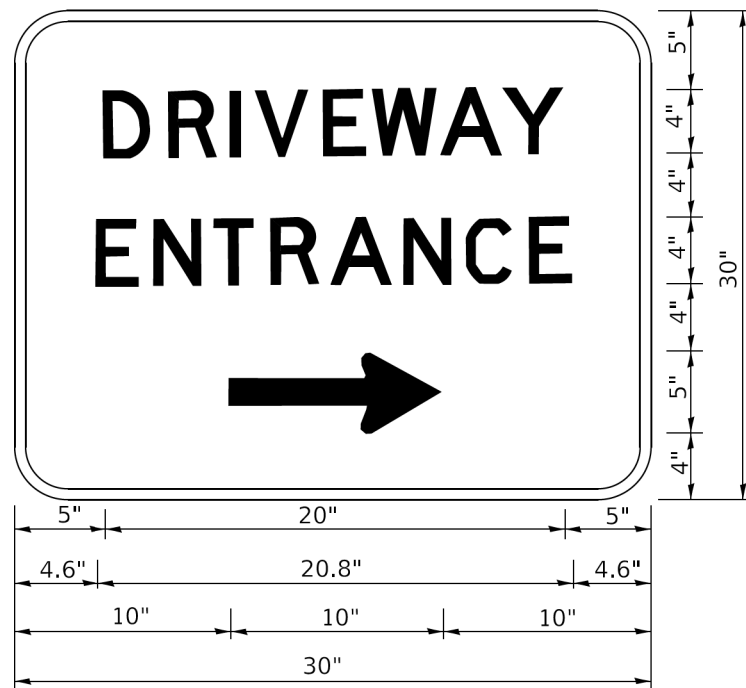
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	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	67
TC-22			CONTRACT NO. 61171	
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".

MODEL: Default
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USER NAME = leysa	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	DRAWN -	REVISED -
PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED -
PLOT DATE = 8/6/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

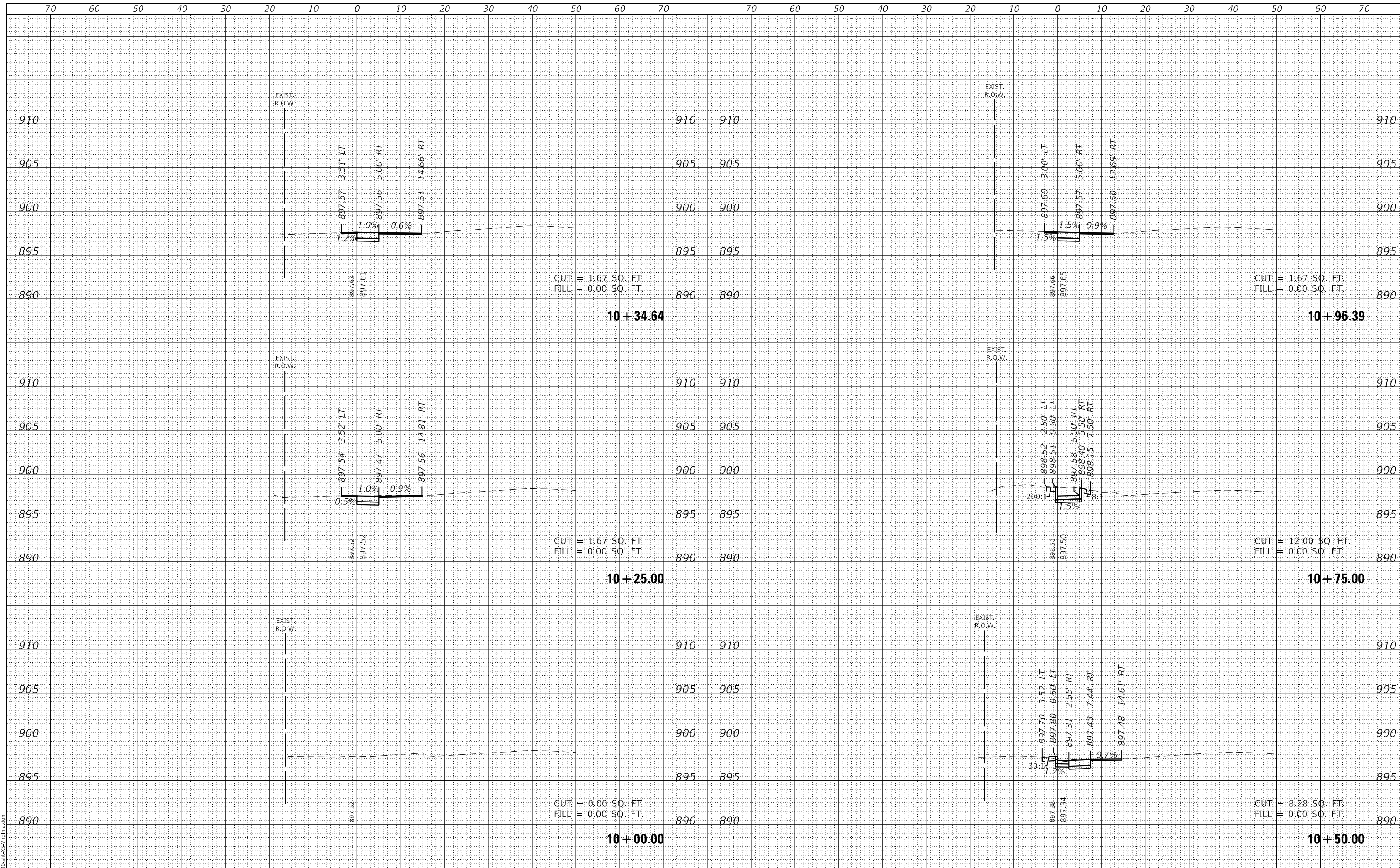
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	68
TC-26			CONTRACT NO. 61171	
ILLINOIS FED. AID PROJECT				

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

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

GHA GEWALT HAMILTON ASSOCIATES, INC.
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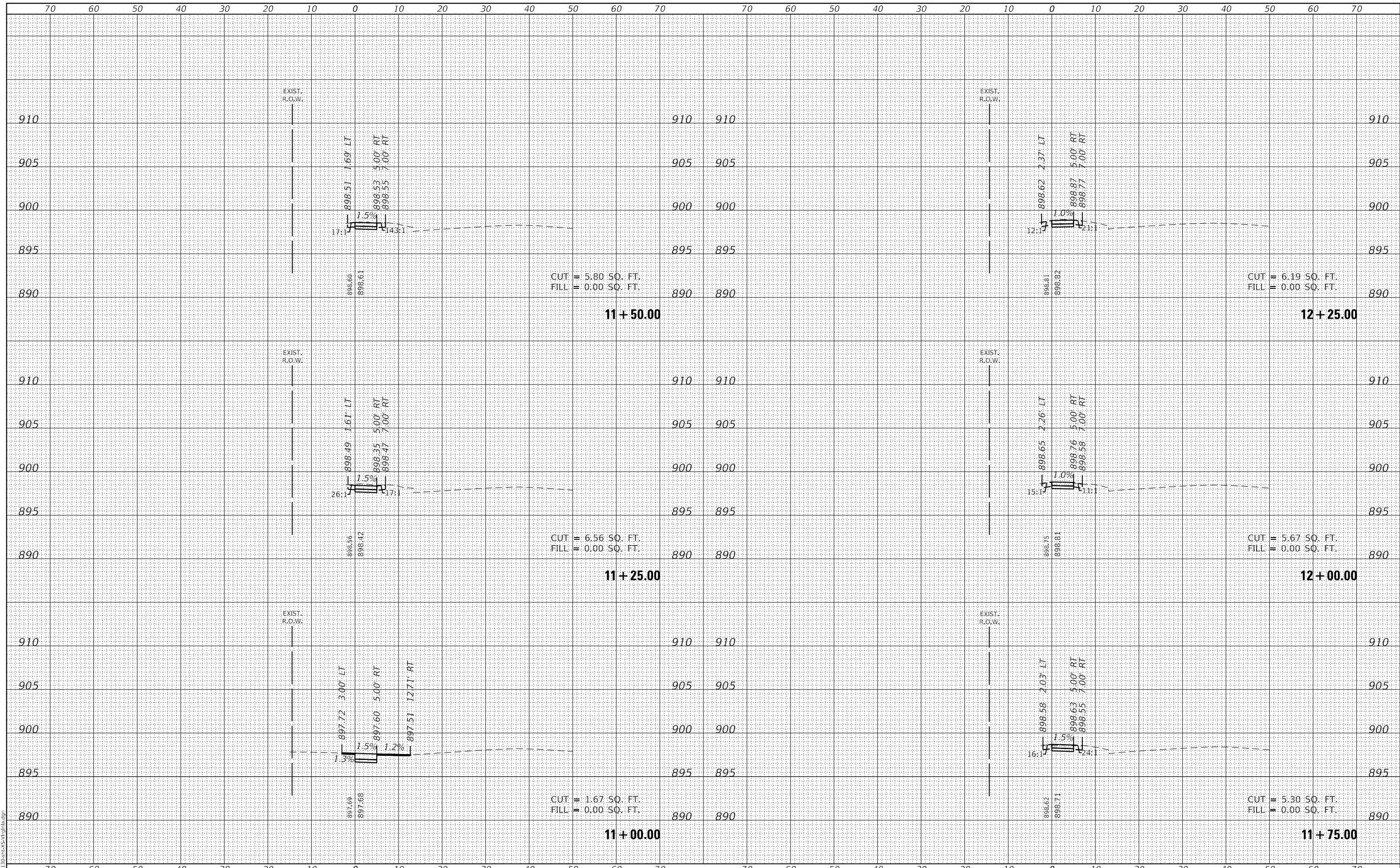


FILE NAME =	USER NAME = D0hesak	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS - VIRGINIA ROAD SIDEWALK			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
5423-130-shr-XS-Virginia.dgn		DRAWN - DGO	REVISED -		SCALE: H: 1"=10'	SHEET 1 OF 20 SHEETS	STA. 10+00.00	TO STA. 10+96.39	0124	21-00131-00-SW	MCHENRY	97	69
5423.13		CHECKED - KLB	REVISED -										
XS_Virginia_1		DATE - 7/10/2024	REVISED -										
												CONTRACT NO. 61171 ILLINOIS FED. AID PROJECT	

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

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

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_Virginia_2
 FILE NAME: 3423-130-shr-XS-Virginia.dgn



FILE NAME =	USER NAME = D0hesak
5423-130-shr-XS-Virginia.dgn	DESIGNED - KLB
5423.13	DRAWN - DGO
XS_Virginia_2	CHECKED - KLB
	DATE - 7/10/2024
	REVISIONS
	REVISED -
	REVISED -
	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

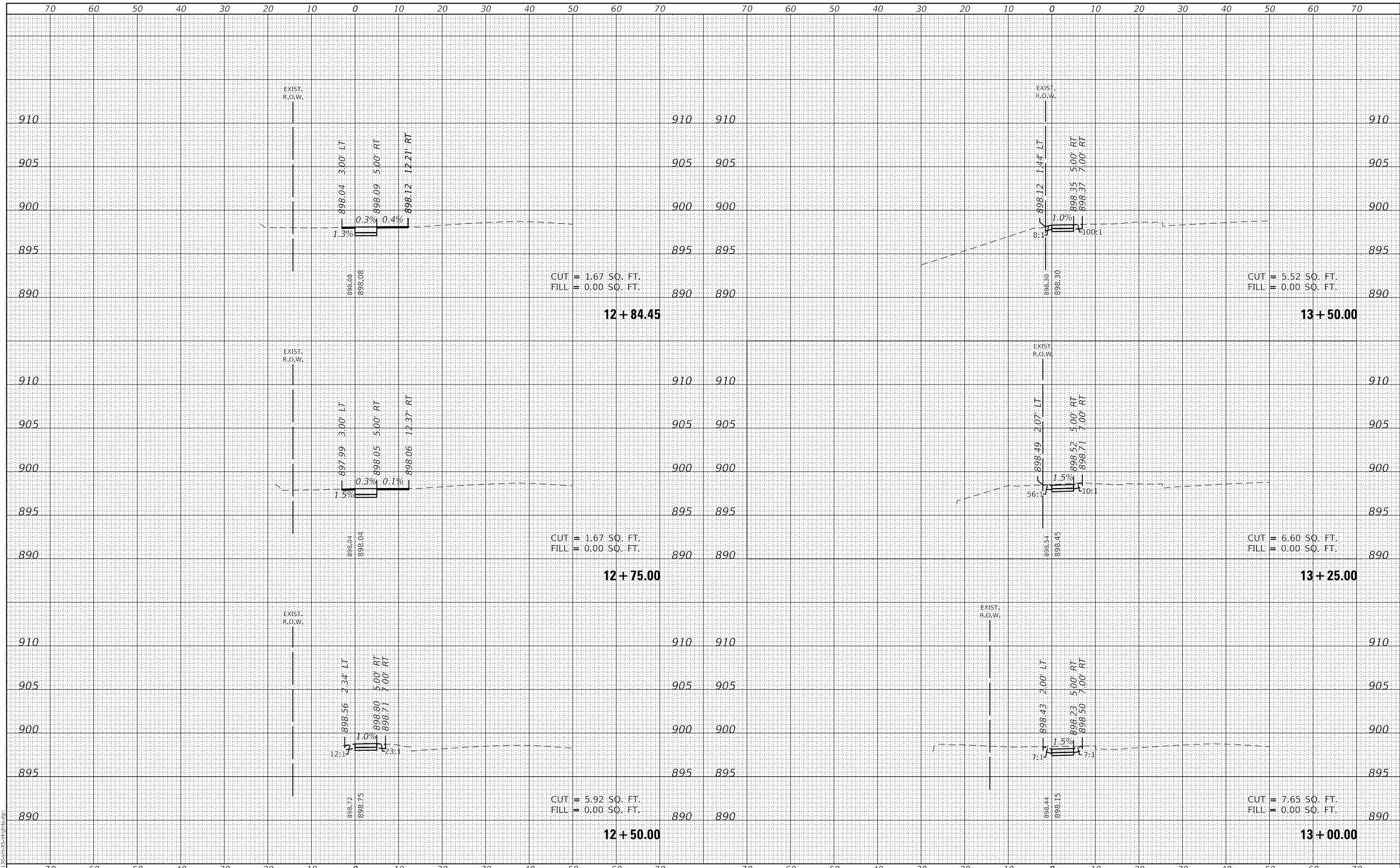
CROSS SECTIONS - VIRGINIA ROAD SIDEWALK
CITY OF CRYSTAL LAKE, ILLINOIS
SCALE: H: 1"=10'
SHEET 2 OF 20 SHEETS
STA. 11+00.00 TO STA. 12+25.00
V: 1"=5'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	70
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61171	

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

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

GHA GEWALT HAMILTON ASSOCIATES, INC.
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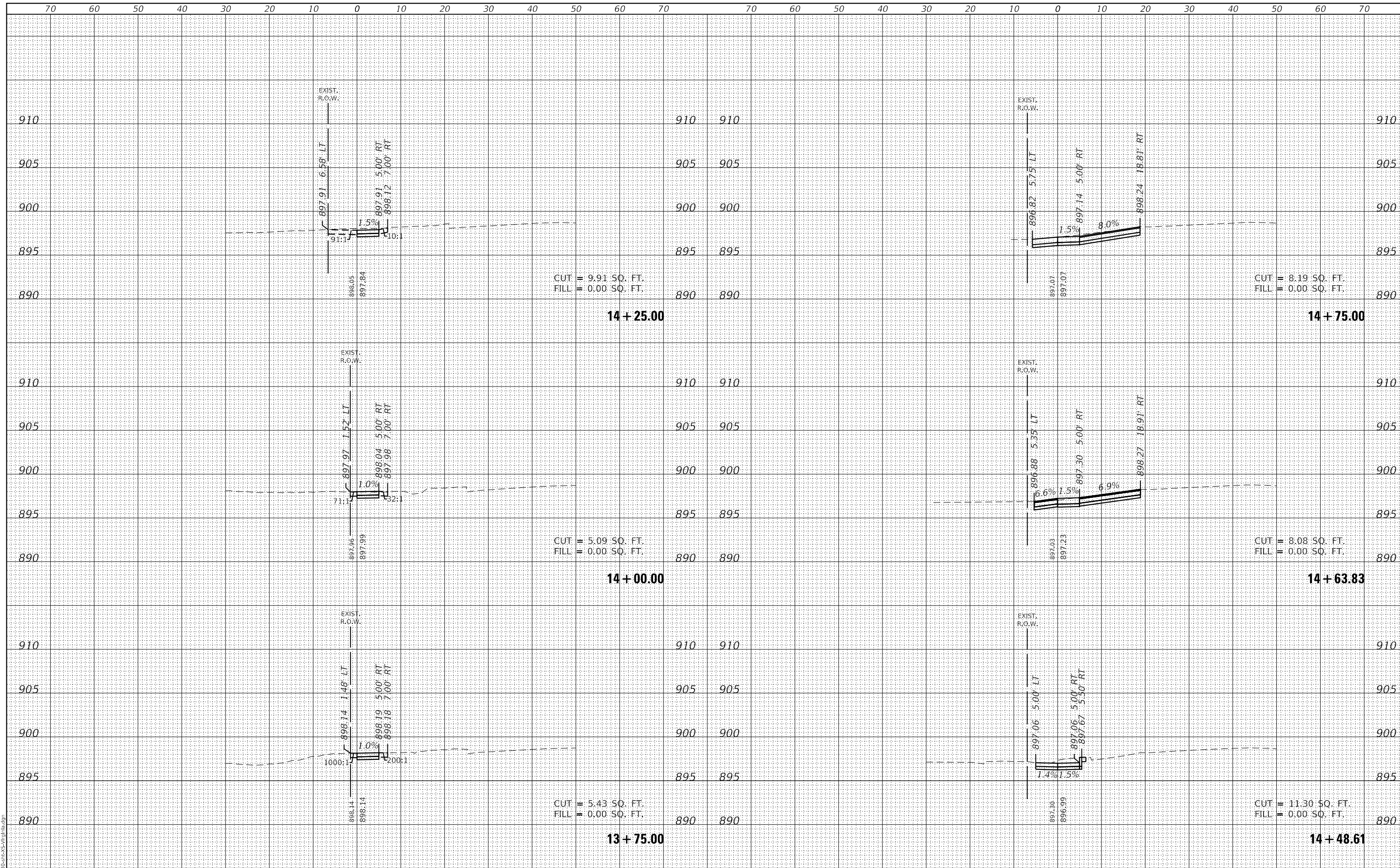


FILE NAME =	USER NAME = D0hesak	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION CROSS SECTIONS - VIRGINIA ROAD SIDEWALK CITY OF CRYSTAL LAKE, ILLINOIS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5423-130-sht-XS-Virginia.dgn		DRAWN - DGO	REVISED -		0124	21-00131-00-SW	MCHENRY	97	71
5423.13		CHECKED - KLB	REVISED -		CONTRACT NO. 61171				
XS_Virginia_3		DATE - 7/10/2024	REVISED -		ILLINOIS FED. AID PROJECT				
				SCALE: H: 1"=10'	SHEET 3 OF 20 SHEETS	STA. 12+50.00	TO STA. 13+50.00		
				V: 1"=5'					

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

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

GHA GEWALT HAMILTON ASSOCIATES, INC.
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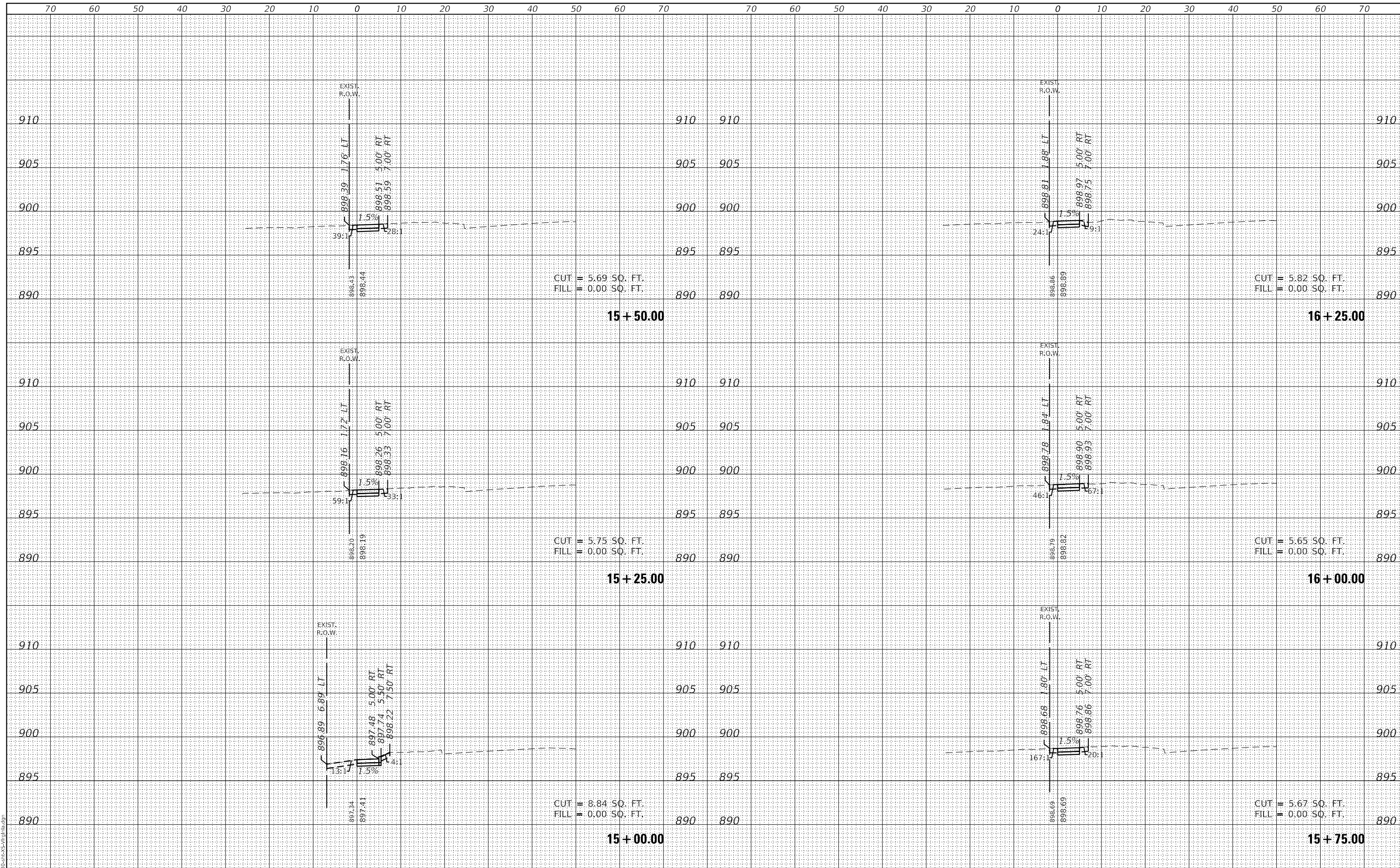


FILE NAME = 5423-130-sht-XS-Virginia.dgn	USER NAME = D0hesak	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION CROSS SECTIONS - VIRGINIA ROAD SIDEWALK CITY OF CRYSTAL LAKE, ILLINOIS SCALE: H: 1"=10' V: 1"=5' SHEET 4 OF 20 SHEETS STA. 13+75.00 TO STA. 14+75.00	F.A.U. RTE. 0124	SECTION 21-00131-00-SW	COUNTY MCHENRY	TOTAL SHEETS 97	SHEET NO. 72
5423.13	PLOT SCALE = 1:20,0009	CHECKED - KLB	REVISED -		CONTRACT NO. 61171				
XS_Virginia_4	PLOT DATE = 7/1/2024	DATE - 7/10/2024	REVISED -		ILLINOIS FED. AID PROJECT				

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

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
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GHA GEWALT HAMILTON ASSOCIATES, INC.
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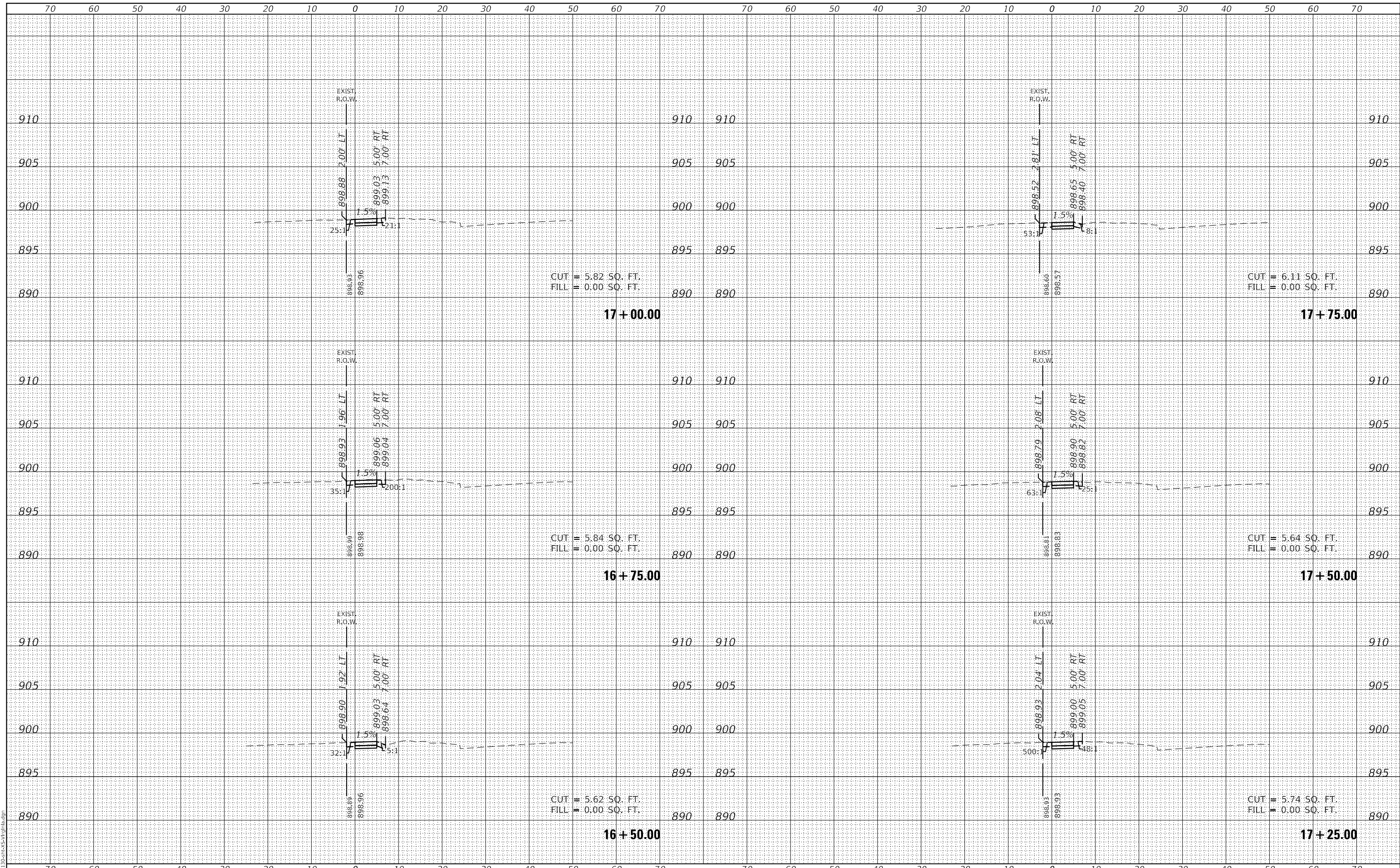


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5423.13	PLOT SCALE = 1:20,000	CHECKED - KLB	REVISED -		SCALE: H: 1"=10'	SHEET 5 OF 20 SHEETS	STA. 15+00.00	TO STA. 16+25.00	CONTRACT NO. 61171		ILLINOIS FED. AID PROJECT	
XS_Virginia_5	PLOT DATE = 7/1/2024	DATE - 7/10/2024	REVISED -		V: 1"=5'							

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

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

GHA GEWALT HAMILTON ASSOCIATES, INC.
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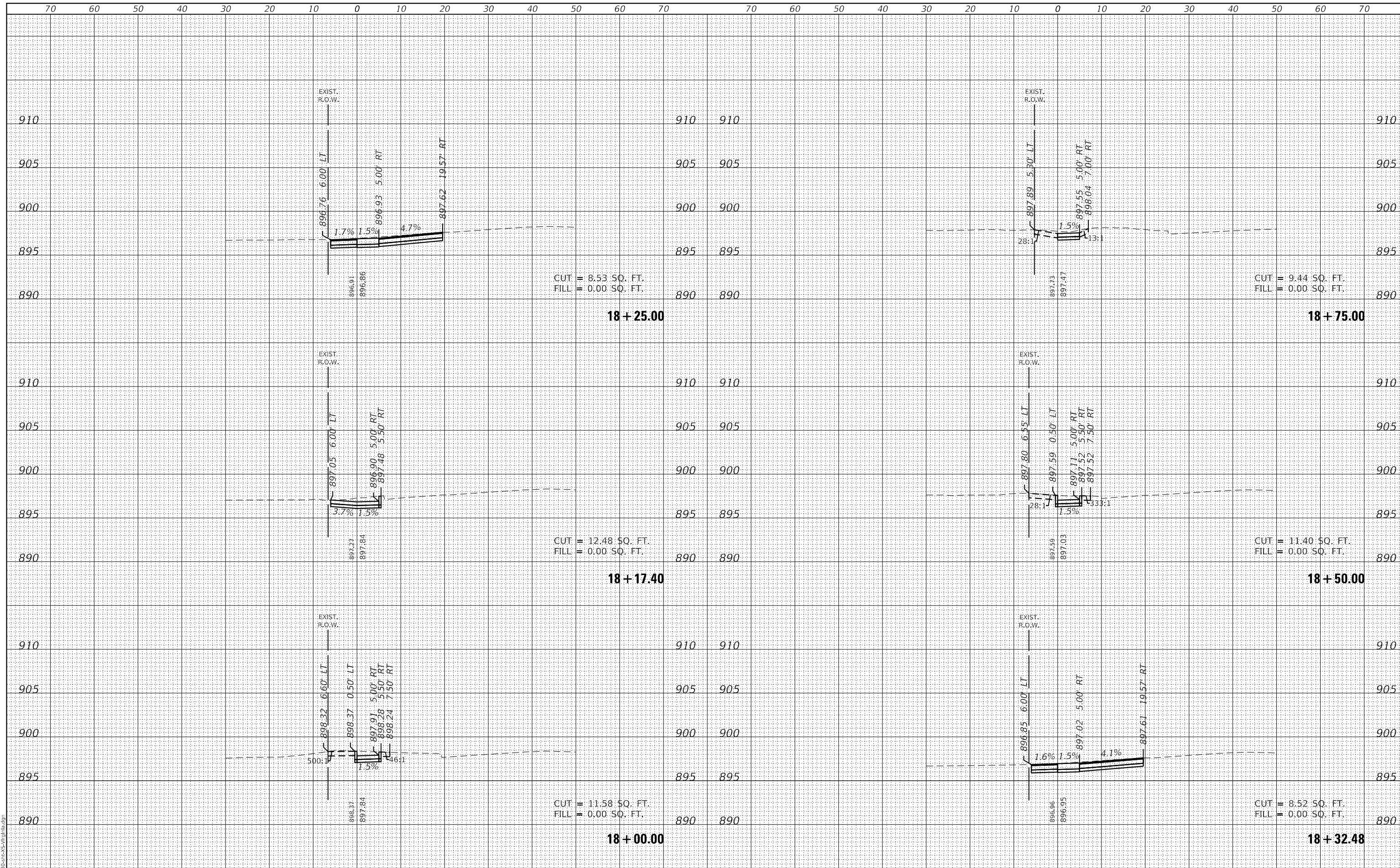


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5423-130-shr-XS-Virginia.dgn		DRAWN - DGO	REVISED -		0124	21-00131-00-SW	MCHENRY	97	74			
5423.13		CHECKED - KLB	REVISED -		CONTRACT NO. 61171							
XS_Virginia_6		DATE - 7/10/2024	REVISED -		ILLINOIS FED. AID PROJECT							
PLOT SCALE = 1:20,000				SCALE: H: 1"=10'	SHEET 6 OF 20 SHEETS	STA. 16+50.00	TO STA. 17+75.00					
PLOT DATE = 7/1/2024				V: 1"=5'								

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

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

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_Virginia_7
 FILE NAME: 5423-130-sht-XS-Virginia.dgn



FILE NAME =	5423-130-sht-XS-Virginia.dgn
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DESIGNED -	KLB
DRAWN -	DGO
REVISOR -	
REVISIONS -	
PLLOT SCALE =	1:20,000
CHECKED -	KLB
REVISOR -	
REVISIONS -	
PLLOT DATE =	7/1/2024
DATE -	7/10/2024
REVISOR -	
REVISIONS -	

DESIGNED -	KLB
DRAWN -	DGO
REVISOR -	
REVISIONS -	
CHECKED -	KLB
REVISOR -	
REVISIONS -	
DATE -	7/10/2024
REVISOR -	
REVISIONS -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

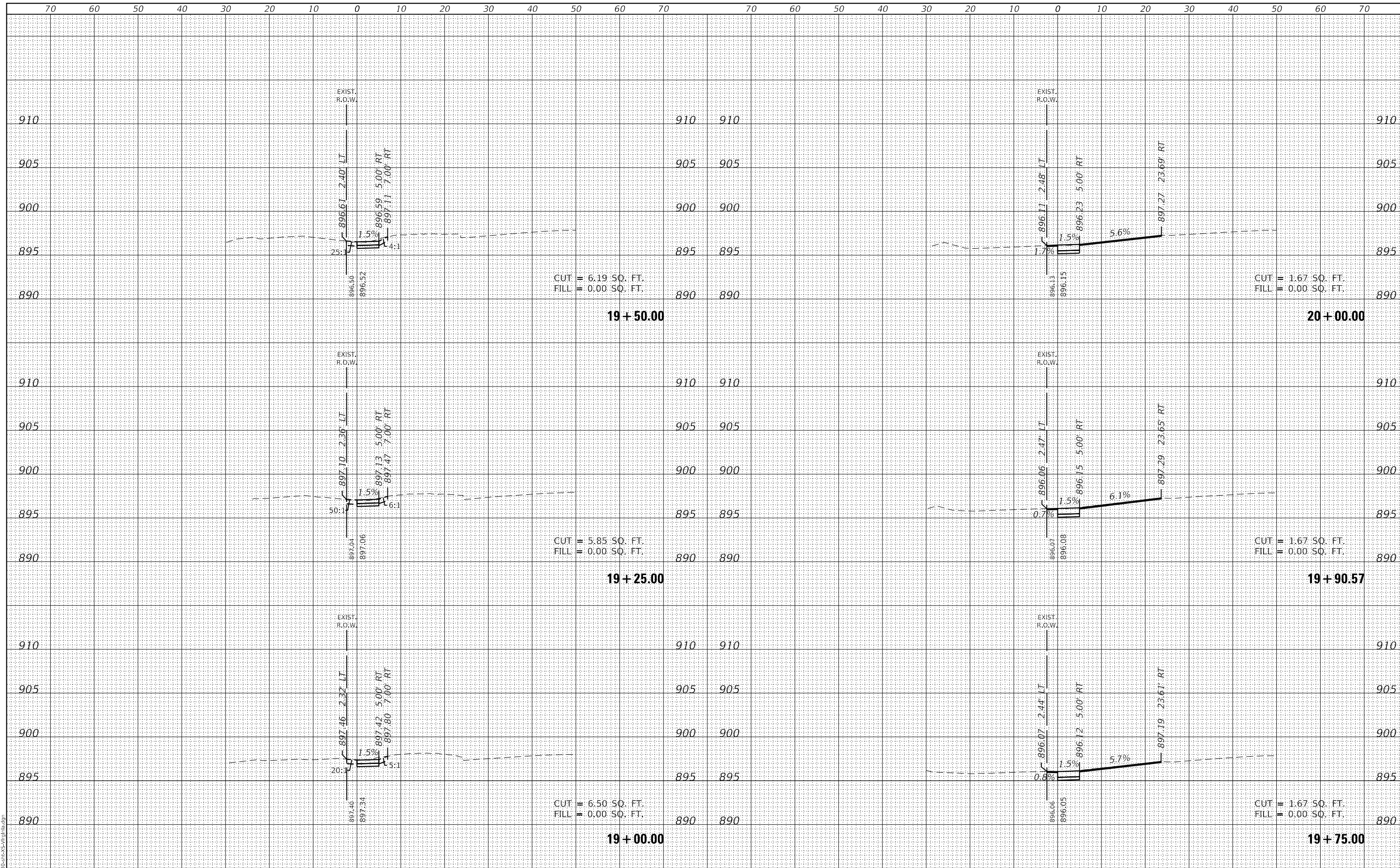
CROSS SECTIONS - VIRGINIA ROAD SIDEWALK
CITY OF CRYSTAL LAKE, ILLINOIS
 SCALE: H: 1"=10' SHEET 7 OF 20 SHEETS STA. 18+00.00 TO STA. 18+75.00
 V: 1"=5'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	75
CONTRACT NO. 61171			ILLINOIS FED. AID PROJECT	

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

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

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_Virginia_8
 FILE NAME: 5423-130-sht-XS-Virginia.dgn

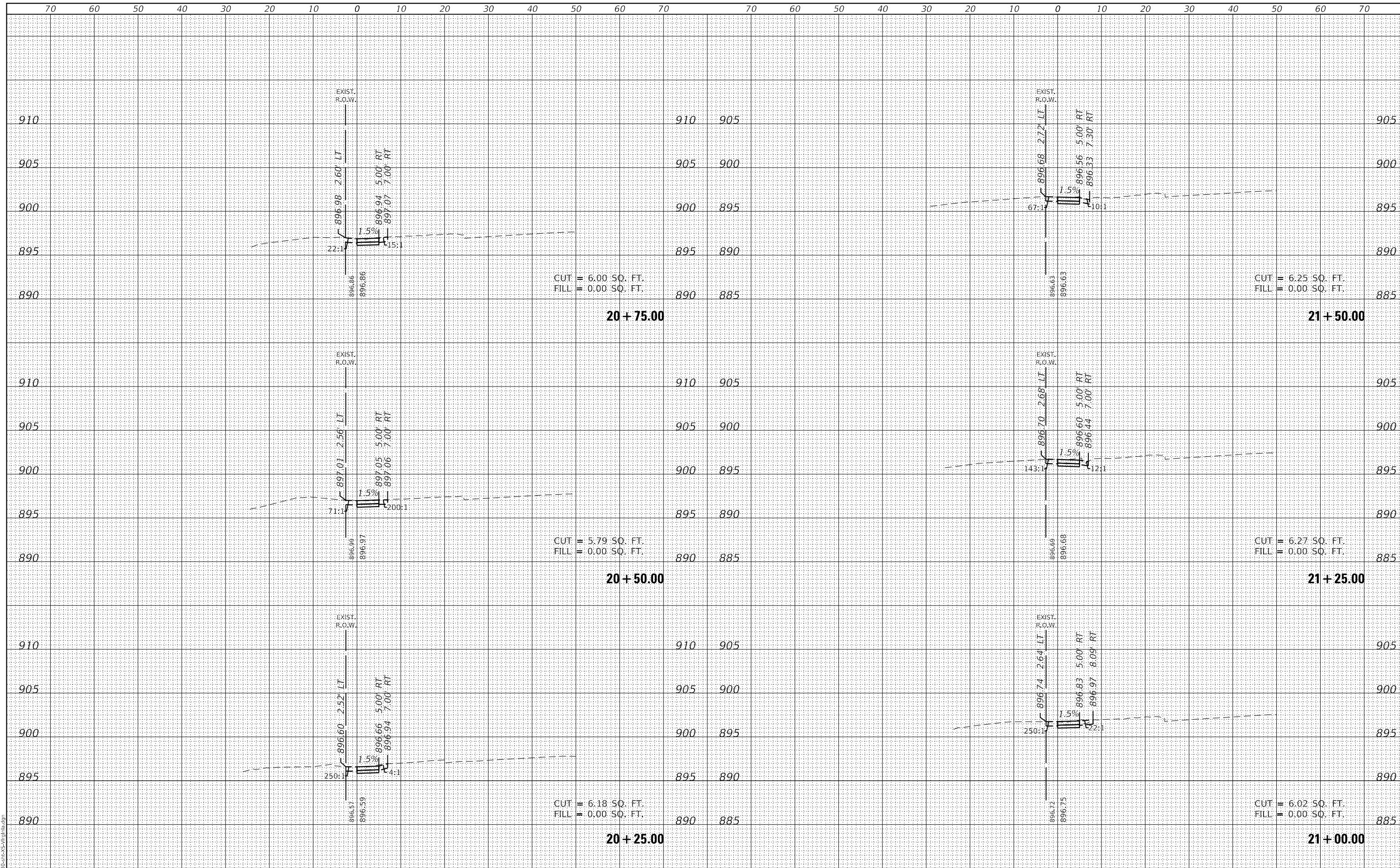


FILE NAME = 5423-130-sht-XS-Virginia.dgn	USER NAME = D0hesak	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS - VIRGINIA ROAD SIDEWALK CITY OF CRYSTAL LAKE, ILLINOIS			F.A.U. RTE. 0124	SECTION 21-00131-00-SW	COUNTY MCHENRY	TOTAL SHEETS 97	SHEET NO. 76
5423.13	PLOT SCALE = 1:20,0009	CHECKED - KLB	REVISED -		SCALE: H: 1"=10'	SHEET 8 OF 20 SHEETS	STA. 19+00.00	TO STA. 20+00.00	CONTRACT NO. 61171		ILLINOIS	FED. AID PROJECT
XS_Virginia_8	PLOT DATE = 7/1/2024	DATE - 7/10/2024	REVISED -									

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

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

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_Virginia_9
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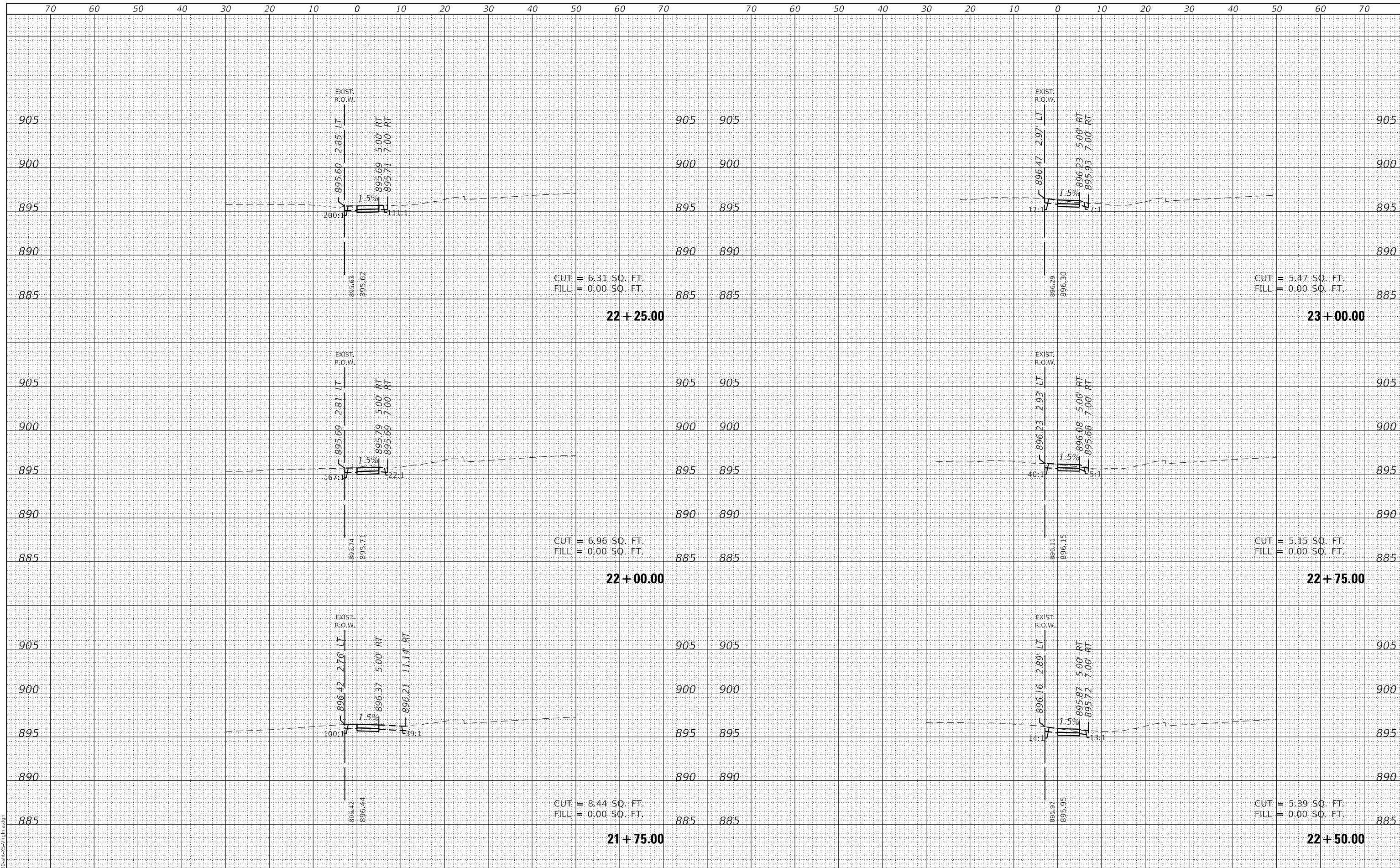


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5423.13	PLOT SCALE = 1:20,000	CHECKED - KLB	REVISED -		CONTRACT NO. 61171				
XS_Virginia_9	PLOT DATE = 7/1/2024	DATE - 7/10/2024	REVISED -		ILLINOIS FED. AID PROJECT				

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

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
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GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_Virginia_10
 FILE NAME: 3423-130-sht-XS-Virginia.dgn

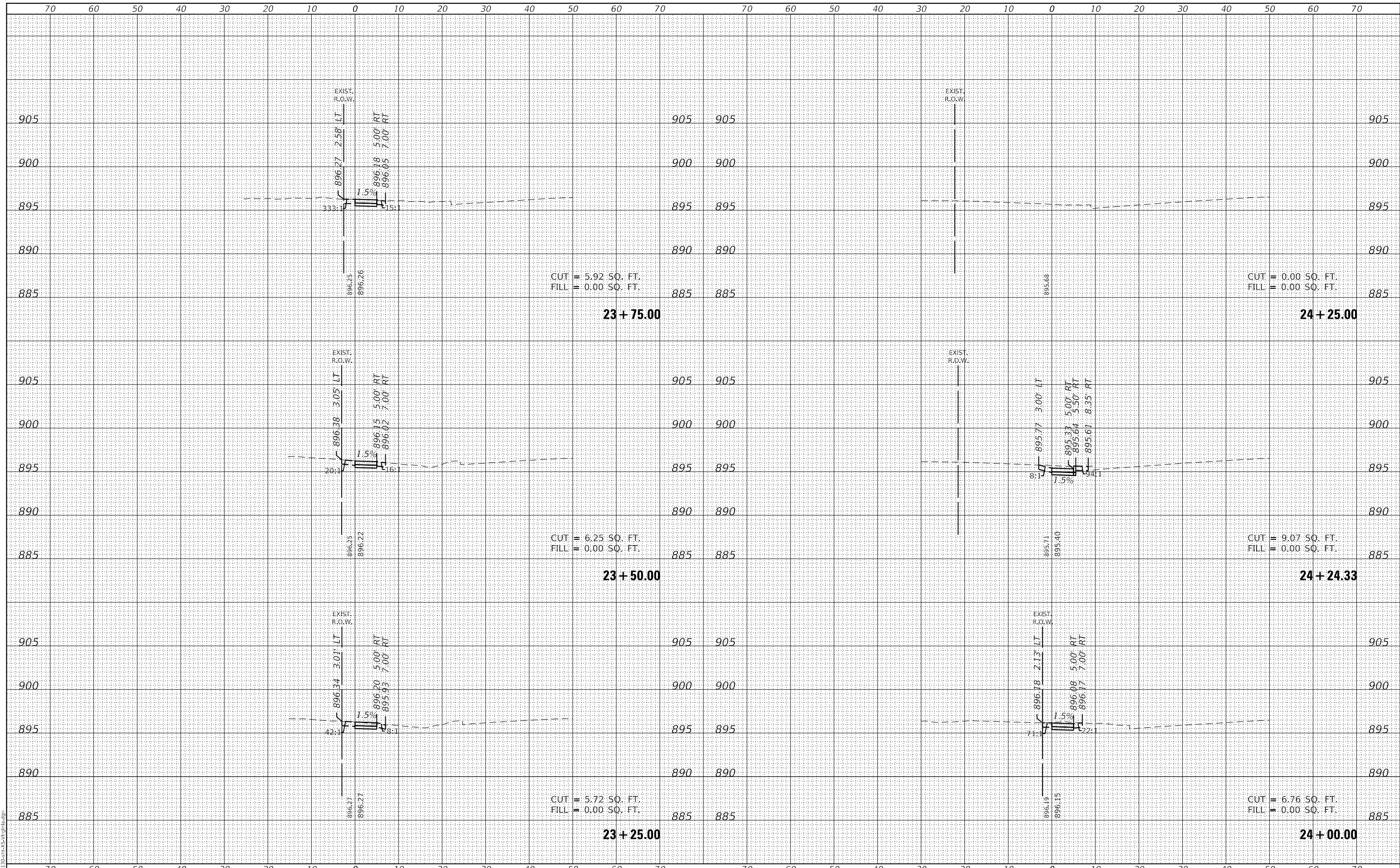


FILE NAME = 5423-130-sht-XS-Virginia.dgn	USER NAME = D0hesak	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION CROSS SECTIONS - VIRGINIA ROAD SIDEWALK CITY OF CRYSTAL LAKE, ILLINOIS SCALE: H: 1"=10' V: 1"=5' SHEET 10 OF 20 SHEETS STA. 21+75.00 TO STA. 23+00.00	F.A.U. RTE. 0124	SECTION 21-00131-00-SW	COUNTY MCHENRY	TOTAL SHEETS 97	SHEET NO. 78
5423.13	PLOT SCALE = 1:20,000	CHECKED - KLB	REVISED -		CONTRACT NO. 61171				
XS_Virginia_10	PLOT DATE = 7/1/2024	DATE - 7/10/2024	REVISED -		ILLINOIS FED. AID PROJECT				

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FINAL SURVEY	
NOTE BOOK	
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TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
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GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_Virginia_11
 FILE NAME: 3423-130-sht-XS-Virginia.dgn



FILE NAME =	USER NAME = D0hesak
5423-130-sht-XS-Virginia.dgn	DESIGNED - KLB
5423.13	DRAWN - DGO
XS_Virginia_11	CHECKED - KLB
	DATE - 7/10/2024
	REVISI

DESIGNED - KLB	REVISI
DRAWN - DGO	REVISI
CHECKED - KLB	REVISI
DATE - 7/10/2024	REVISI

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - VIRGINIA ROAD SIDEWALK
CITY OF CRYSTAL LAKE, ILLINOIS
 SCALE: H: 1"=10' SHEET 11 OF 20 SHEETS STA. 23+25.00 TO STA. 24+25.00
 V: 1"=5'

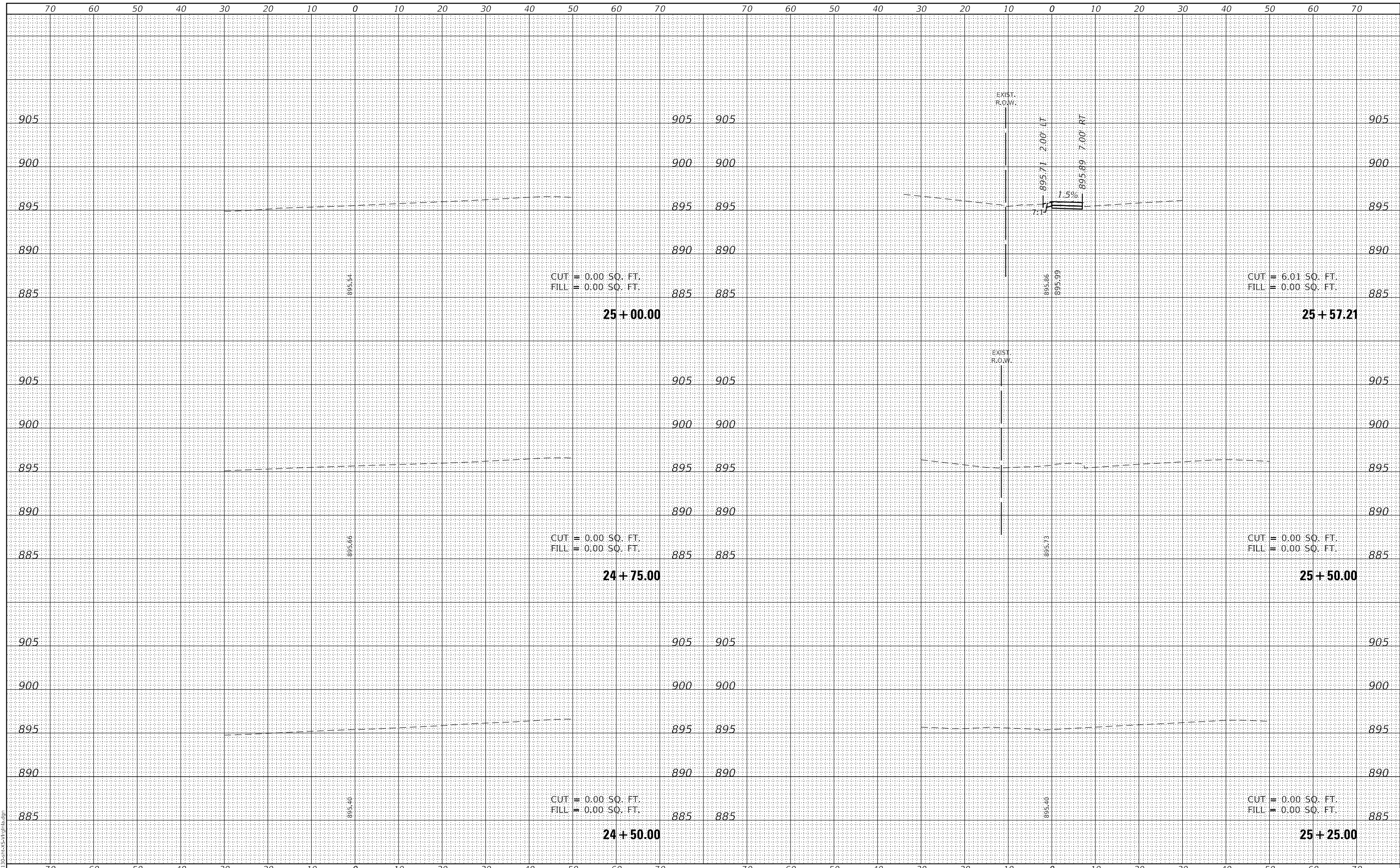
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	79
			CONTRACT NO. 61171	

ILLINOIS FED. AID PROJECT

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FINAL SURVEY	
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TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_Virginia_12
 FILE NAME: 3423-130-sht-XS-Virginia.dgn



FILE NAME =	USER NAME = D0hesak
5423-130-sht-XS-Virginia.dgn	DESIGNED - KLB
5423.13	DRAWN - DGO
XS_Virginia_12	CHECKED - KLB
	DATE - 7/10/2024
	REVISIED -
	REVISIED -
	REVISIED -

DESIGNED - KLB	REVISIED -
DRAWN - DGO	REVISIED -
CHECKED - KLB	REVISIED -
DATE - 7/10/2024	REVISIED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

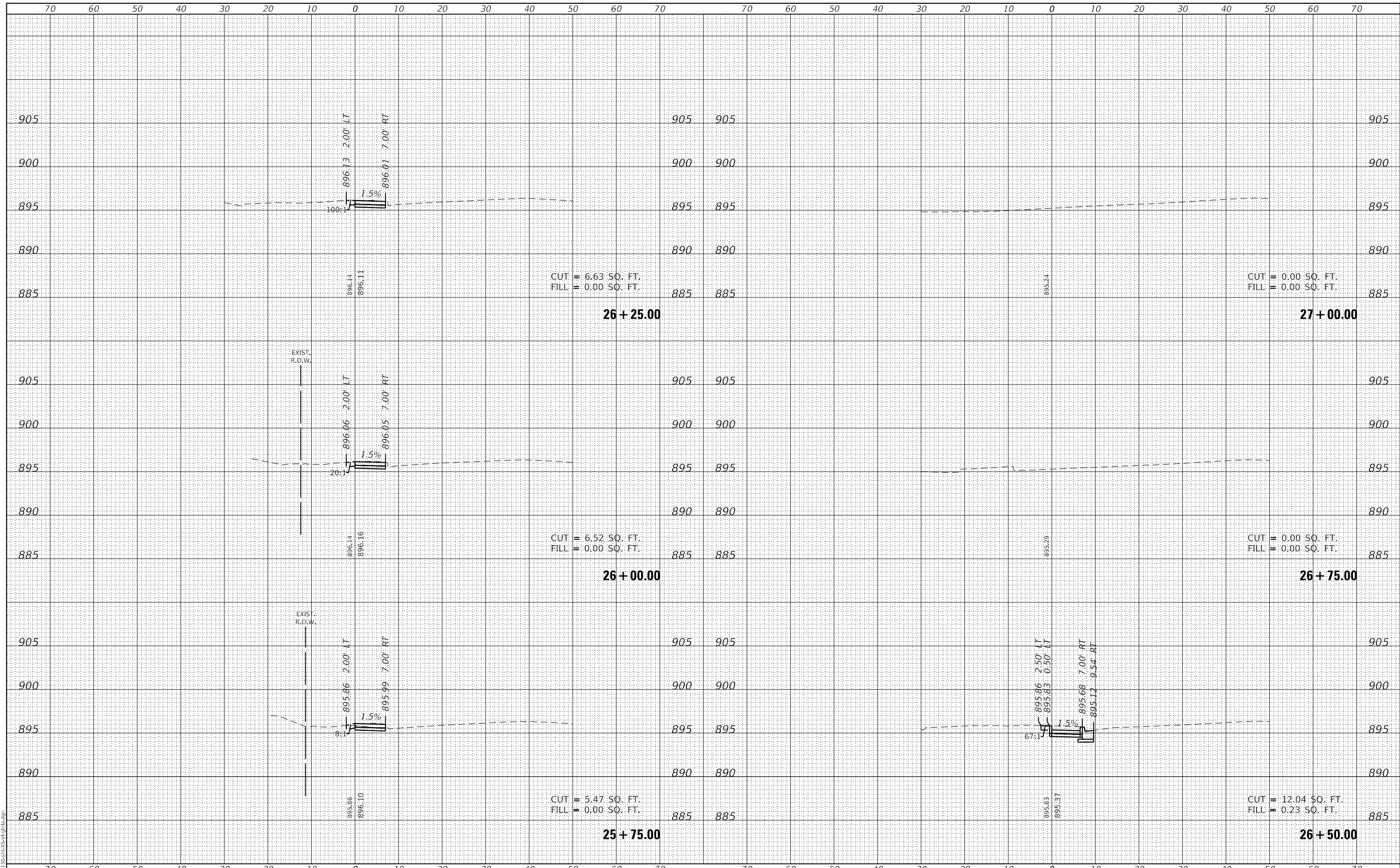
CROSS SECTIONS - VIRGINIA ROAD SIDEWALK
CITY OF CRYSTAL LAKE, ILLINOIS
 SCALE: H: 1"=10' V: 1"=5'
 SHEET 12 OF 20 SHEETS STA. 24+50.00 TO STA. 25+57.21

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	80
			CONTRACT NO.	61171
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS
	CHECKED

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

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_Virginia_13
 FILE NAME: 3423-130-sht-XS-Virginia.dgn



FILE NAME =	USER NAME = D01esak
5423-130-sht-XS-Virginia.dgn	DESIGNED - KLB
5423.13	DRAWN - DGO
XS_Virginia_13	CHECKED - KLB
	DATE - 7/10/2024
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DRAWN - DGO	REVISI
CHECKED - KLB	REVISI
DATE - 7/10/2024	REVISI

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - VIRGINIA ROAD SIDEWALK
CITY OF CRYSTAL LAKE, ILLINOIS

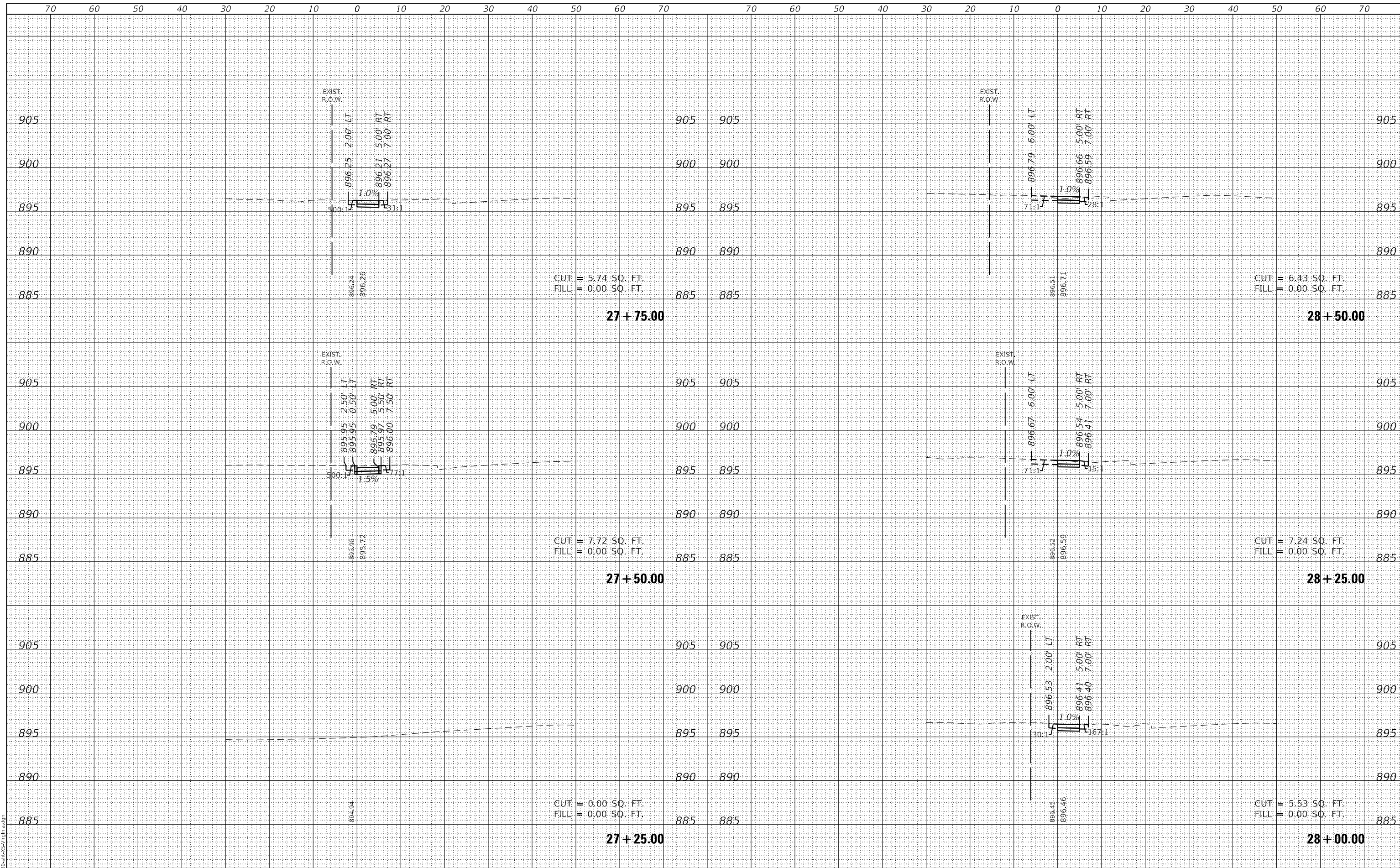
SCALE: H: 1"=10' SHEET 13 OF 20 SHEETS STA. 25+75.00 TO STA. 27+00.00
 V: 1"=5'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	81
			CONTRACT NO.	61171
ILLINOIS FED. AID PROJECT				

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

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

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_Virginia_14
 FILE NAME: 3423-130-shr-XS-Virginia.dgn



FILE NAME =	USER NAME = D0hesak
5423-130-shr-XS-Virginia.dgn	DESIGNED - KLB
5423.13	DRAWN - DGO
XS_Virginia_14	CHECKED - KLB
	DATE - 7/10/2024
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	REVISED -
	REVISED -
	REVISED -

SCALE: H: 1"=10'	SHEET 14 OF 20 SHEETS	STA. 27+25.00 TO STA. 28+50.00
V: 1"=5'		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

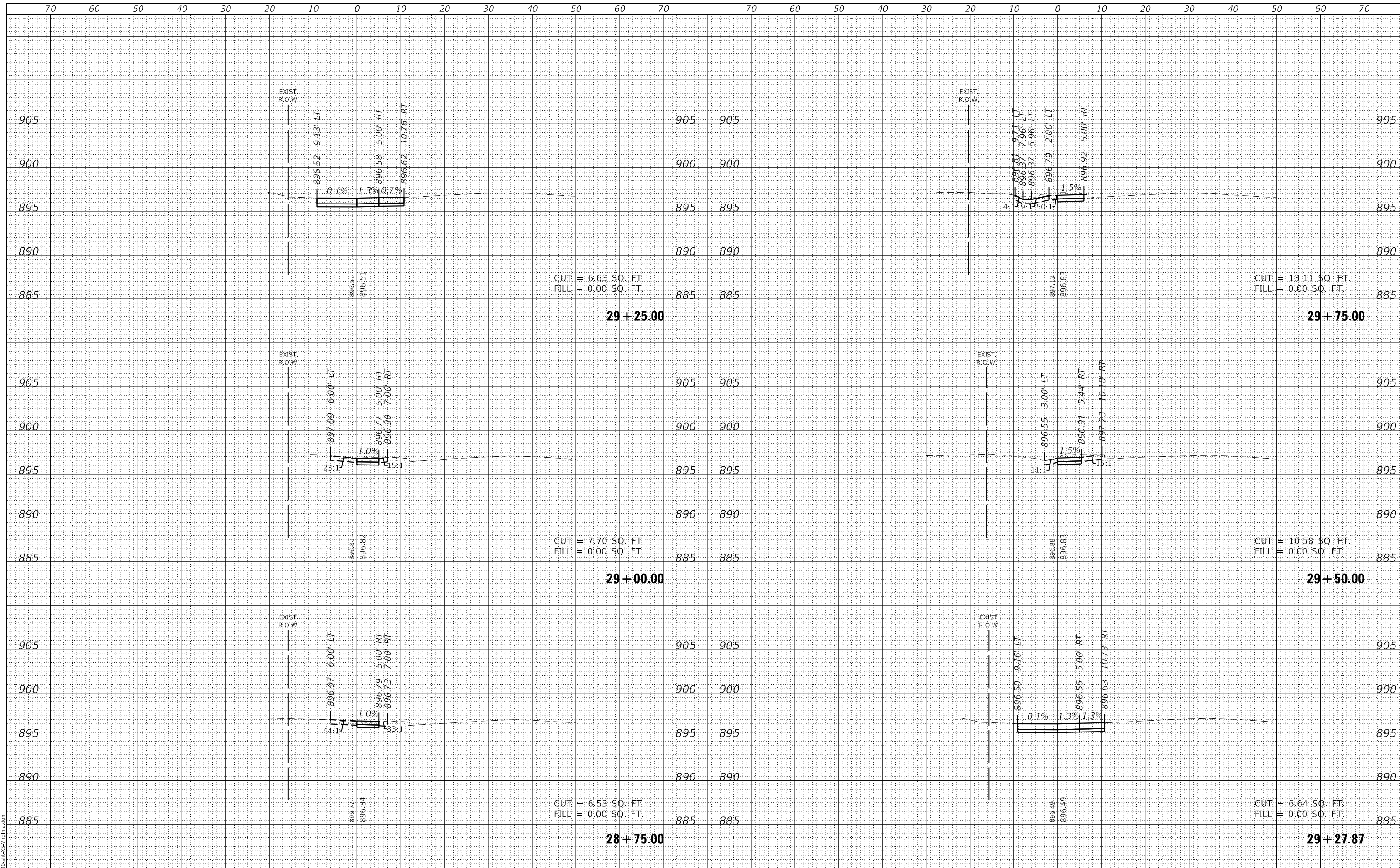
CROSS SECTIONS - VIRGINIA ROAD SIDEWALK
CITY OF CRYSTAL LAKE, ILLINOIS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	82
			CONTRACT NO. 61171	
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	
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ORIGINAL SURVEY	
NOTE BOOK	
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GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_Virginia_15
 FILE NAME: 3423-130-sht-XS-Virginia.dgn



FILE NAME =	USER NAME = D0hesak
5423-130-sht-XS-Virginia.dgn	DESIGNED - KLB
5423.13	DRAWN - DGO
XS_Virginia_15	CHECKED - KLB
	DATE - 7/10/2024
	REVISOR -

DESIGNED - KLB	REVISOR -
DRAWN - DGO	REVISOR -
CHECKED - KLB	REVISOR -
DATE - 7/10/2024	REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - VIRGINIA ROAD SIDEWALK
CITY OF CRYSTAL LAKE, ILLINOIS

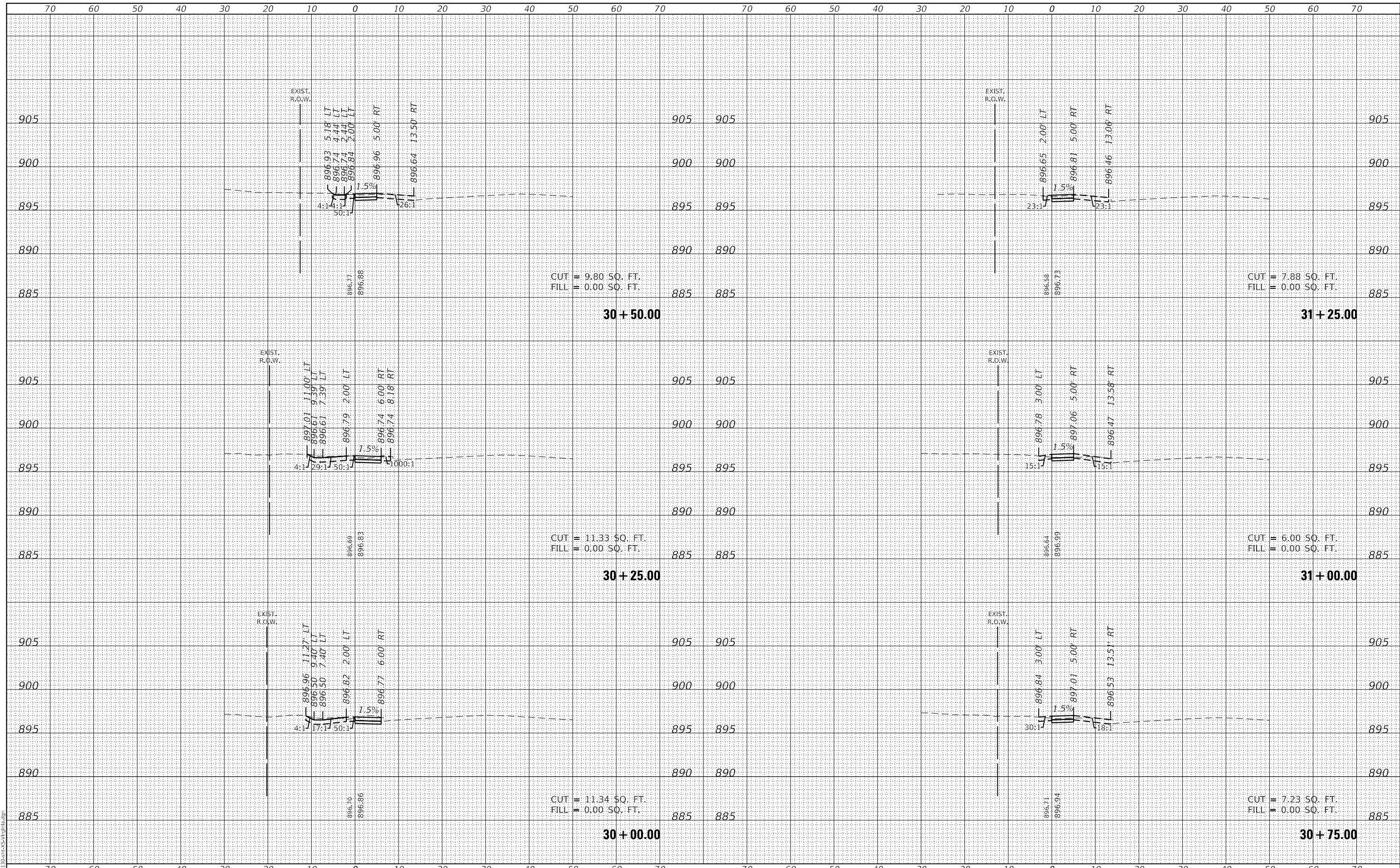
SCALE: H: 1"=10' SHEET 15 OF 20 SHEETS STA. 28+75.00 TO STA. 29+75.00
 V: 1"=5'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	83
			CONTRACT NO.	61171
ILLINOIS FED. AID PROJECT				

DATE	
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CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_Virginia_16
 FILE NAME: 3123-130-sht-XS-Virginia.dgn



FILE NAME =	USER NAME = D01esak
5423-130-sht-XS-Virginia.dgn	DESIGNED - KLB
5423.13	DRAWN - DGO
XS_Virginia_16	CHECKED - KLB
	DATE - 7/10/2024
	REVISOR -

DESIGNED - KLB	REVISOR -
DRAWN - DGO	REVISOR -
CHECKED - KLB	REVISOR -
DATE - 7/10/2024	REVISOR -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - VIRGINIA ROAD SIDEWALK
CITY OF CRYSTAL LAKE, ILLINOIS
 SCALE: H: 1"=10' V: 1"=5'
 SHEET 16 OF 20 SHEETS STA. 30+00.00 TO STA. 31+25.00

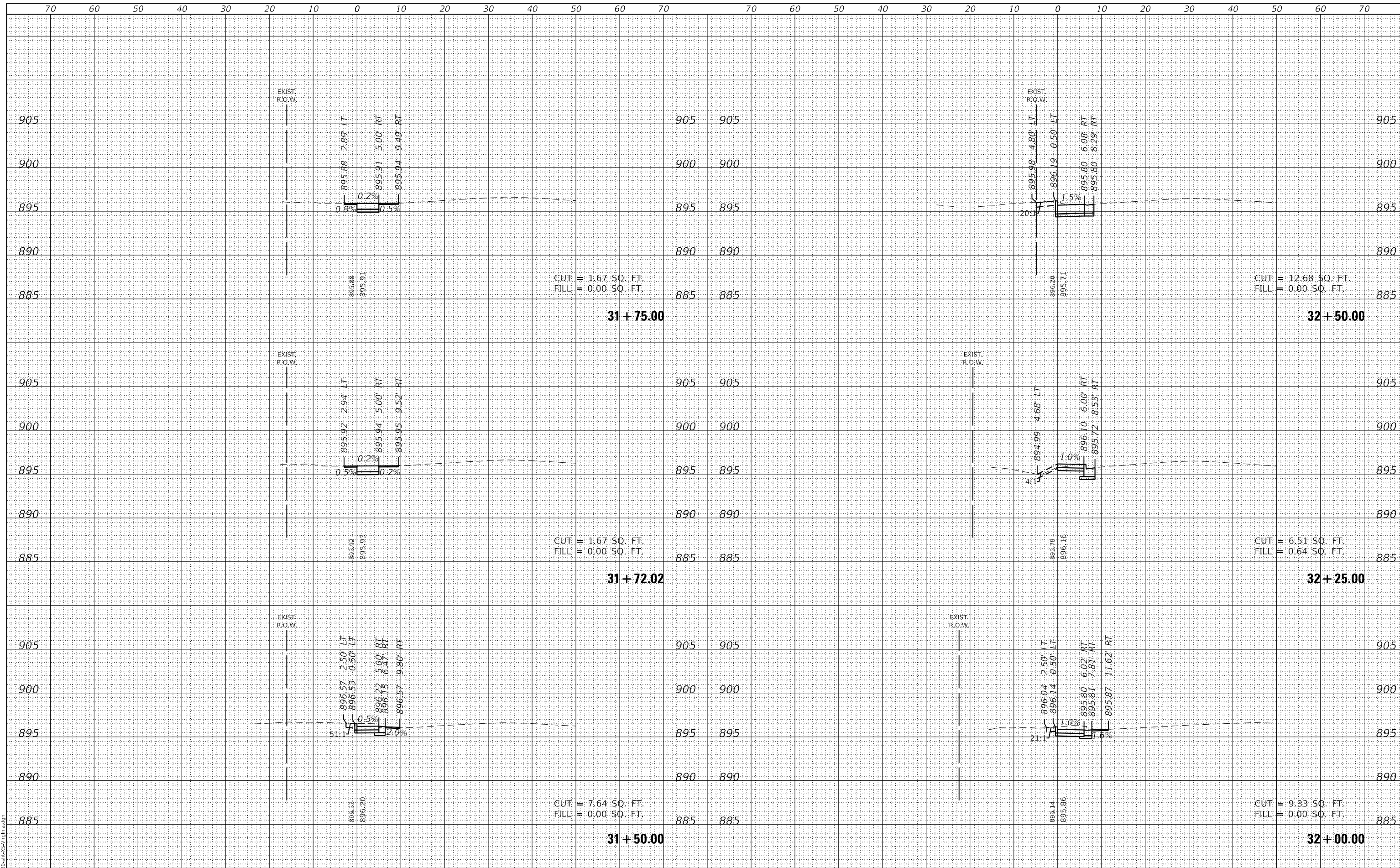
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	84
			CONTRACT NO.	61171

ILLINOIS FED. AID PROJECT

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AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
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GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_Virginia_17
 FILE NAME: 3123-130-sht-XS-Virginia.dgn



FILE NAME	=	USER NAME	= D0hesak
5423-130-sht-XS-Virginia.dgn		DESIGNED	- KLB
5423.13		DRAWN	- DGO
XS_Virginia_17		CHECKED	- KLB
		DATE	- 7/10/2024
		REVISIONS	
		REVISOR	
		DATE	

DESIGNED	- KLB	REVISIONS	
DRAWN	- DGO	REVISOR	
CHECKED	- KLB	DATE	
DATE	- 7/10/2024		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - VIRGINIA ROAD SIDEWALK
CITY OF CRYSTAL LAKE, ILLINOIS

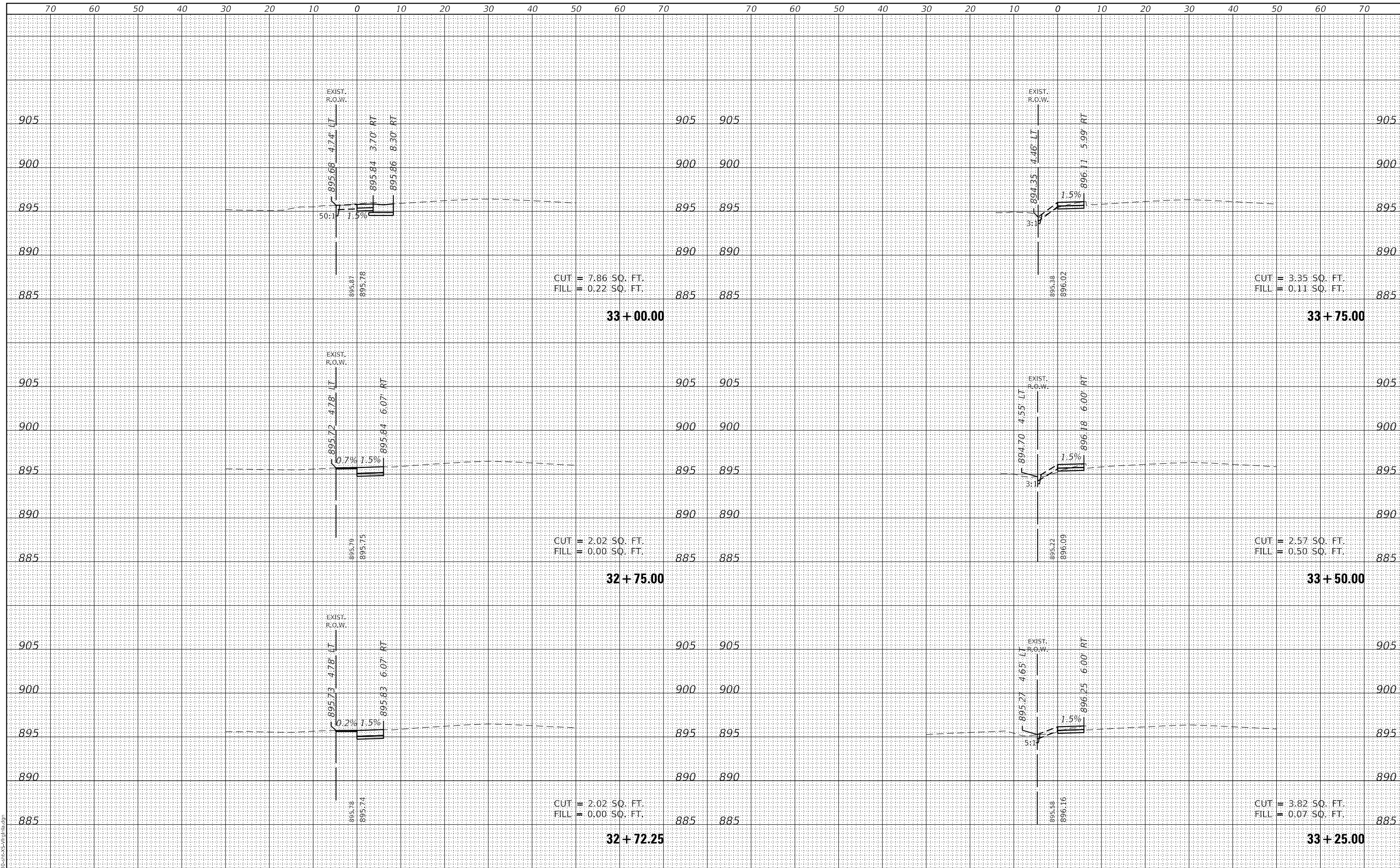
SCALE: H: 1"=10' V: 1"=5'
 SHEET 17 OF 20 SHEETS
 STA. 31+50.00 TO STA. 32+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	85
CONTRACT NO. 61171				
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	
NOTE BOOK	
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CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
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GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_Virginia_18
 FILE NAME: 32+25-33+75-CR-CR-Virginia.dgn



FILE NAME =	USER NAME = D0hesak
5423-130-sht-XS-Virginia.dgn	DESIGNED - KLB
5423.13	DRAWN - DGO
XS_Virginia_18	CHECKED - KLB
	DATE - 7/10/2024
	REVISIONS
	REVISOR
	REVISION

DESIGNED - KLB	REVISIONS
DRAWN - DGO	REVISOR
CHECKED - KLB	REVISION
DATE - 7/10/2024	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - VIRGINIA ROAD SIDEWALK
 CITY OF CRYSTAL LAKE, ILLINOIS**

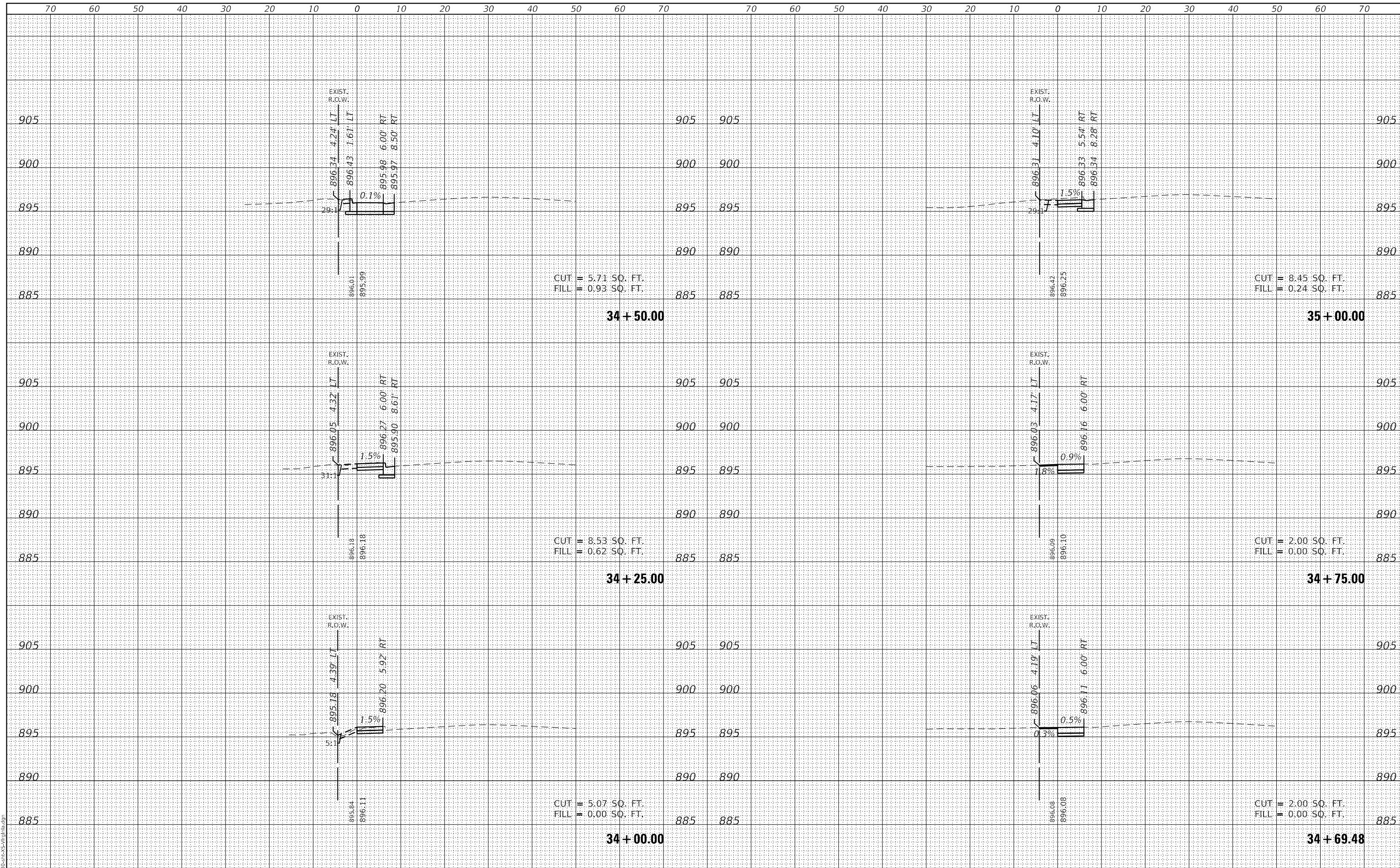
SCALE: H: 1"=10' SHEET 18 OF 20 SHEETS STA. 32+72.25 TO STA. 33+75.00
 V: 1"=5'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	86
			CONTRACT NO.	61171
ILLINOIS FED. AID PROJECT				

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FINAL SURVEY	SURVEYED
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	CHECKED

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_Virginia_19
 FILE NAME: 3423-130-sht-XS-Virginia.dgn



FILE NAME =	USER NAME = D0hesak
5423-130-sht-XS-Virginia.dgn	DESIGNED - KLB
5423.13	DRAWN - DGO
XS_Virginia_19	CHECKED - KLB
	DATE - 7/10/2024
	REVISIONS -

DESIGNED - KLB	REVISIONS -
DRAWN - DGO	REVISIONS -
CHECKED - KLB	REVISIONS -
DATE - 7/10/2024	REVISIONS -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - VIRGINIA ROAD SIDEWALK
 CITY OF CRYSTAL LAKE, ILLINOIS**

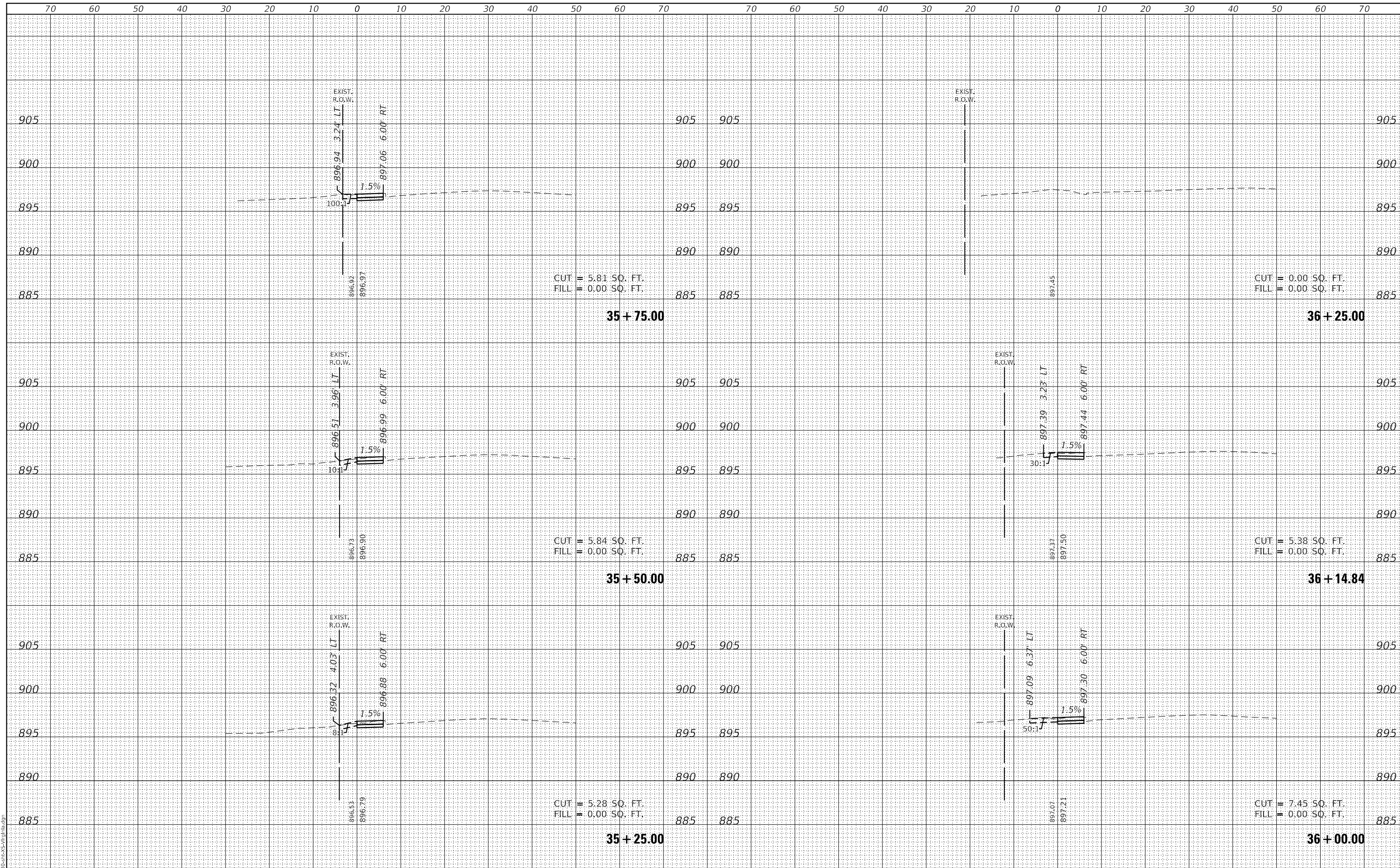
SCALE: H: 1"=10'
 SHEET 19 OF 20 SHEETS
 STA. 34+00.00 TO STA. 35+00.00
 V: 1"=5'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	87
			CONTRACT NO. 61171	
ILLINOIS FED. AID PROJECT				

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FINAL SURVEY	
NOTE BOOK	
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TEMPLATE	
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ORIGINAL SURVEY	
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GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_Virginia_20
 FILE NAME: 3423-130-sht-XS-Virginia.dgn



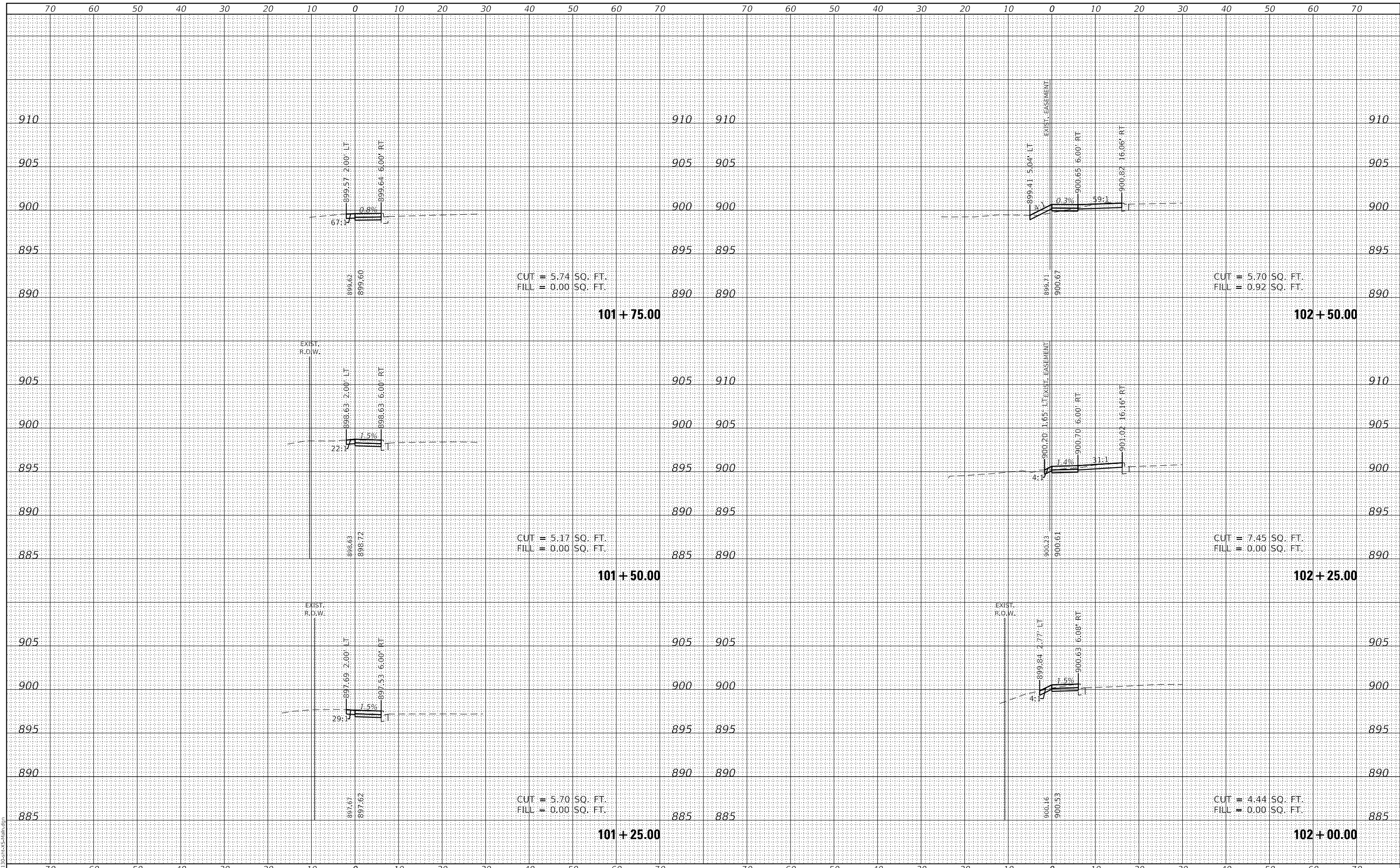
FILE NAME =	USER NAME = D0hesak	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS - VIRGINIA ROAD SIDEWALK CITY OF CRYSTAL LAKE, ILLINOIS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
5423-130-sht-XS-Virginia.dgn		DRAWN - DGO	REVISED -		SCALE: H: 1"=10'	SHEET 20 OF 20 SHEETS	STA. 35+25.00	TO STA. 36+25.00	0124	21-00131-00-SW	MCHENRY	97	88
5423.13		CHECKED - KLB	REVISED -										
XS_Virginia_20		DATE - 7/10/2024	REVISED -										

V:1"=5'

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

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

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_Main_2
 FILE NAME: 3423-130-shr-XS-admin.dgn



FILE NAME =	USER NAME = D0hesak
5423-130-shr-XS-Main.dgn	DESIGNED - KLB
5423.13	DRAWN - DGO
XS_Main_2	CHECKED - KLB
	DATE - 7/10/2024

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REVISOR	REVISION

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

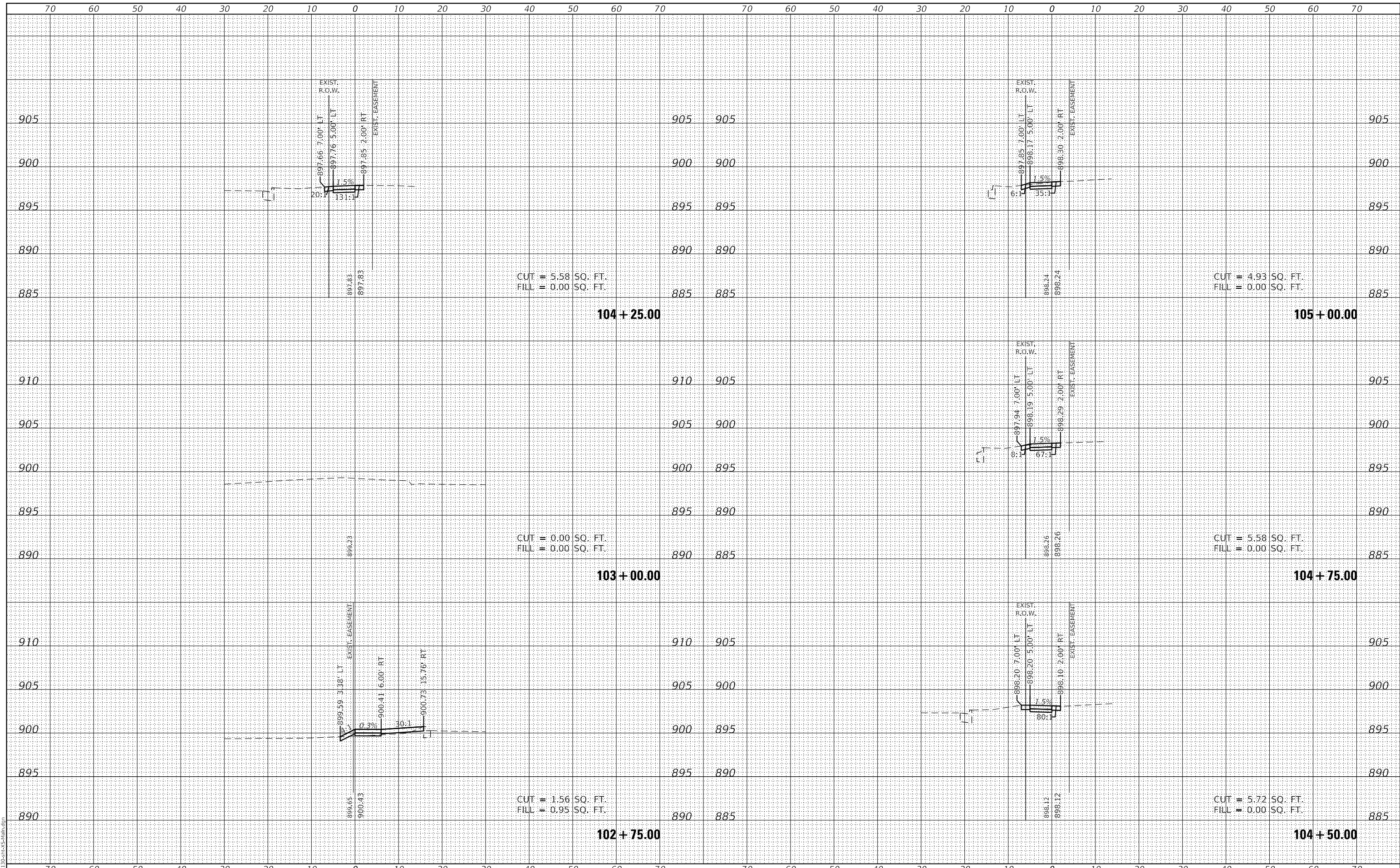
CROSS SECTIONS - WALKUP AVE / MAIN STREET SIDEWALK
CITY OF CRYSTAL LAKE, ILLINOIS
 SCALE: H: 1"=10' V: 1"=5'
 SHEET 2 OF 5 SHEETS STA. 101+25.00 TO STA. 102+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	90
			CONTRACT NO.	61171
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED

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

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_Main_3
 FILE NAME: 3423-130-shr-XS-Main.dgn



FILE NAME =	USER NAME = D0hesak
5423-130-shr-XS-Main.dgn	DESIGNED - KLB
5423.13	DRAWN - DGO
XS_Main_3	CHECKED - KLB
	DATE - 7/10/2024
	REVISIONS
	REVISED -
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	REVISED -

SCALE = 1:20,000	CHECKED - KLB	REVISED -
PLOT DATE = 7/1/2024	DATE - 7/10/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

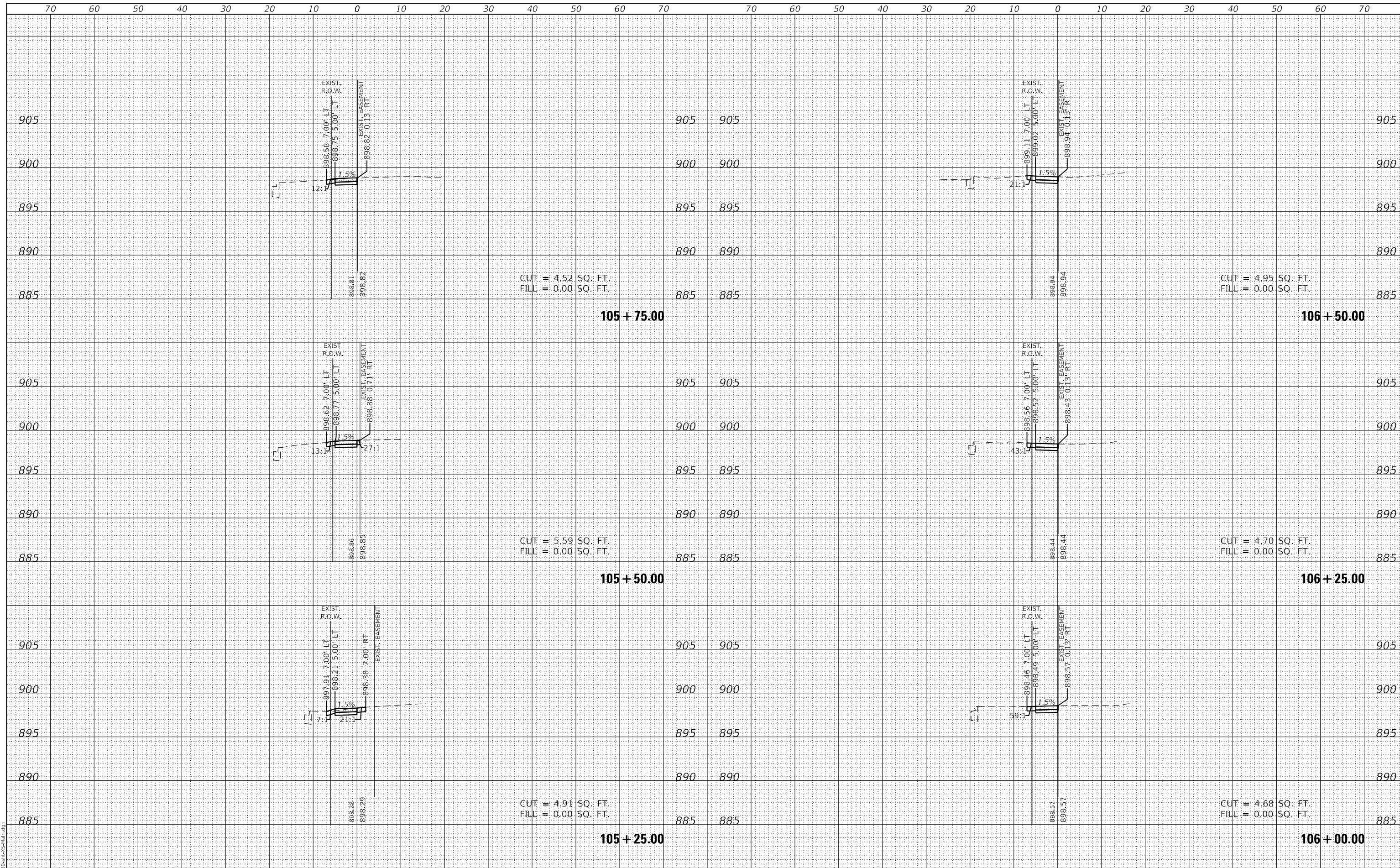
CROSS SECTIONS - WALKUP AVE / MAIN STREET SIDEWALK
CITY OF CRYSTAL LAKE, ILLINOIS
 SCALE: H: 1"=10' SHEET 3 OF 5 SHEETS STA. 102+75.00 TO STA. 105+00.00
 V: 1"=5'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	91
			CONTRACT NO.	61171
ILLINOIS		FED. AID PROJECT		

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CHECKED	
FINAL SURVEY	
NOTE BOOK	
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TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_Main_4
 FILE NAME: 3423-130-shr-XS-Main.dgn

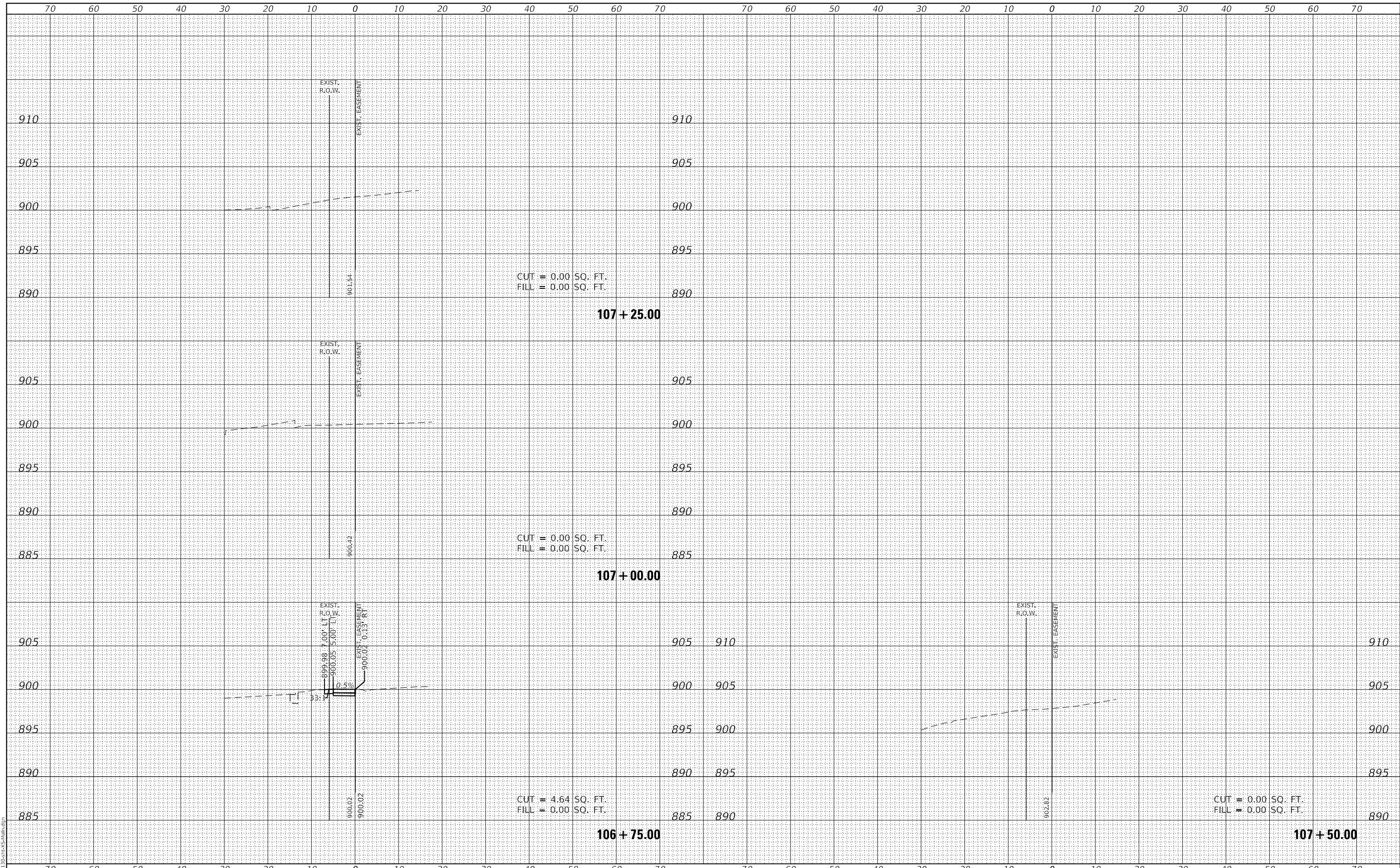


FILE NAME = 5423-130-shr-XS-Main.dgn	USER NAME = D0hesak	DESIGNED - KLB	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS - WALKUP AVE / MAIN STREET SIDEWALK CITY OF CRYSTAL LAKE, ILLINOIS	F.A.U. RTE. 0124	SECTION 21-00131-00-SW	COUNTY MCHENRY	TOTAL SHEETS 97	SHEET NO. 92	
5423.13	PLOT SCALE = 1:20,0009	CHECKED - KLB	REVISD -			SCALE: H: 1"=10'	SHEET 4 OF 5 SHEETS	STA. 105+25.00	TO STA. 106+50.00	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61171
XS_Main_4	PLOT DATE = 7/1/2024	DATE - 7/10/2024	REVISD -								

DATE	
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FINAL SURVEY	
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TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_Main_5
 FILE NAME: 3423-130-sh-XS-admin.dgn



FILE NAME =	USER NAME = D0hesak
5423-130-sh-XS-Main.dgn	DESIGNED - KLB
5423.13	DRAWN - DGO
XS_Main_5	CHECKED - KLB
	DATE - 7/1/2024
	REVISOR -

DESIGNED - KLB	REVISOR -
DRAWN - DGO	REVISOR -
CHECKED - KLB	REVISOR -
DATE - 7/1/2024	REVISOR -

DESIGNED - KLB	REVISOR -
DRAWN - DGO	REVISOR -
CHECKED - KLB	REVISOR -
DATE - 7/1/2024	REVISOR -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

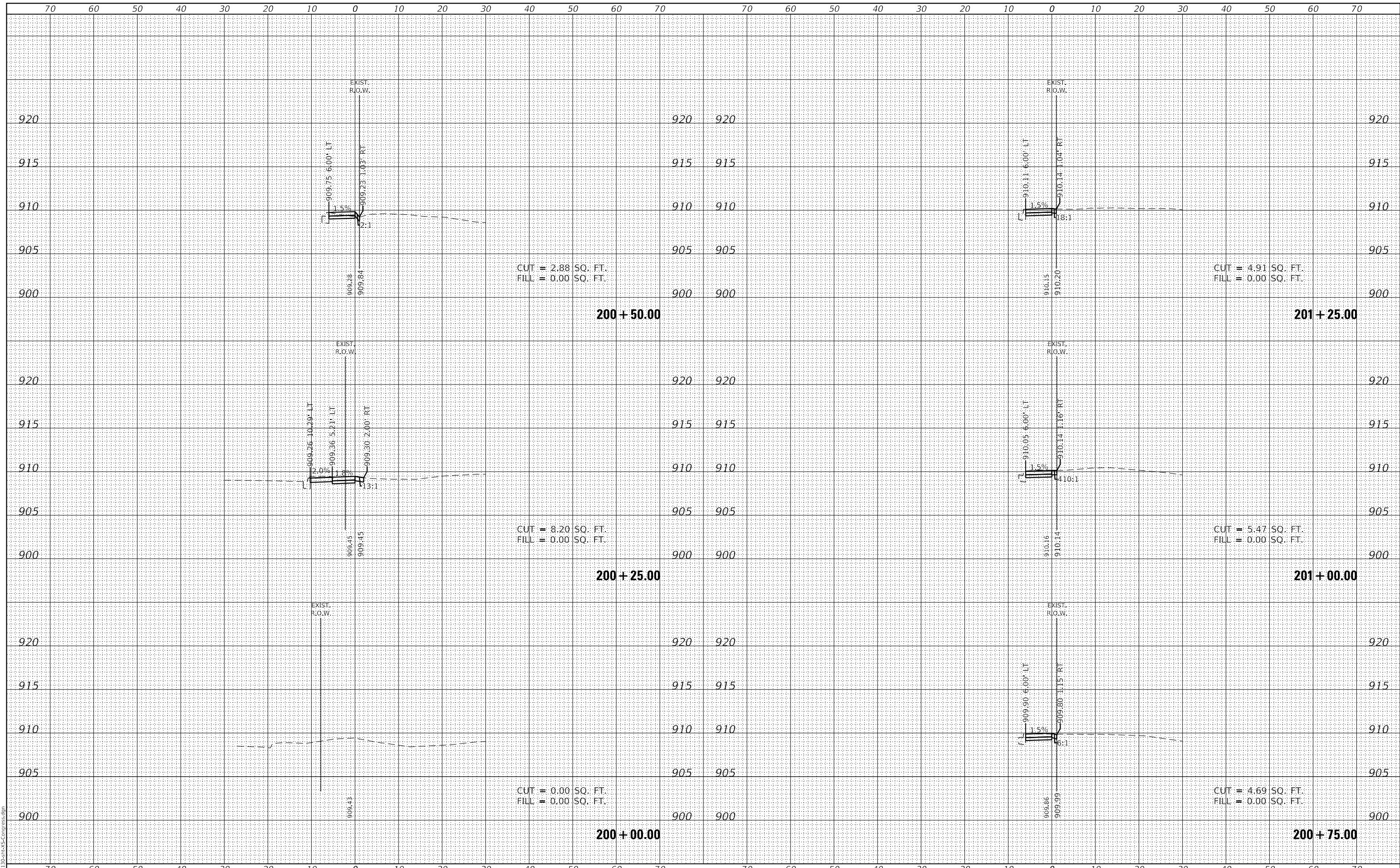
CROSS SECTIONS - WALKUP AVE / MAIN STREET SIDEWALK
CITY OF CRYSTAL LAKE, ILLINOIS
 SCALE: H: 1"=10' SHEET 5 OF 5 SHEETS STA. 106+75.00 TO STA. 107+50.00
 V: 1"=5'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	93
			CONTRACT NO.	61171
		ILLINOIS	FED. AID PROJECT	

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

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

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_Congress_1
 FILE NAME: 5423-130-sht-XS-Congress.dgn



FILE NAME =	USER NAME = D0hesak
5423-130-sht-XS-Congress.dgn	DESIGNED - KLB
5423.13	DRAWN - DGO
XS_Congress_1	CHECKED - KLB
	DATE - 7/10/2024
	REVISOR -

DESIGNED - KLB	REVISOR -
DRAWN - DGO	REVISOR -
CHECKED - KLB	REVISOR -
DATE - 7/10/2024	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

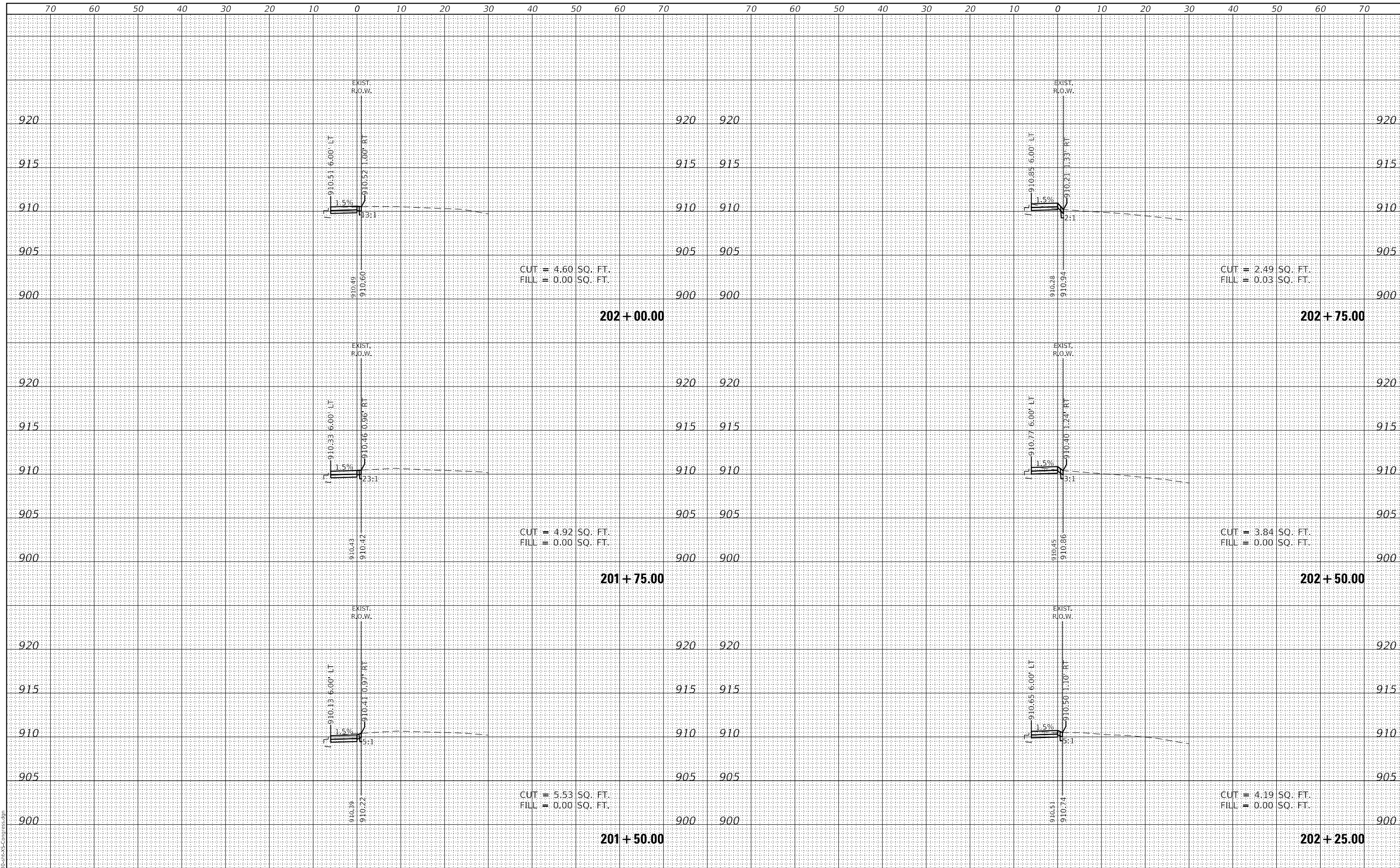
CROSS SECTIONS - CONGRESS PARKWAY SIDEWALK
 CITY OF CRYSTAL LAKE, ILLINOIS
 SCALE: H: 1"=10' V: 1"=5'
 SHEET 1 OF 4 SHEETS STA. 200+00.00 TO STA. 201+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	94
			CONTRACT NO.	61171

ILLINOIS FED. AID PROJECT

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	

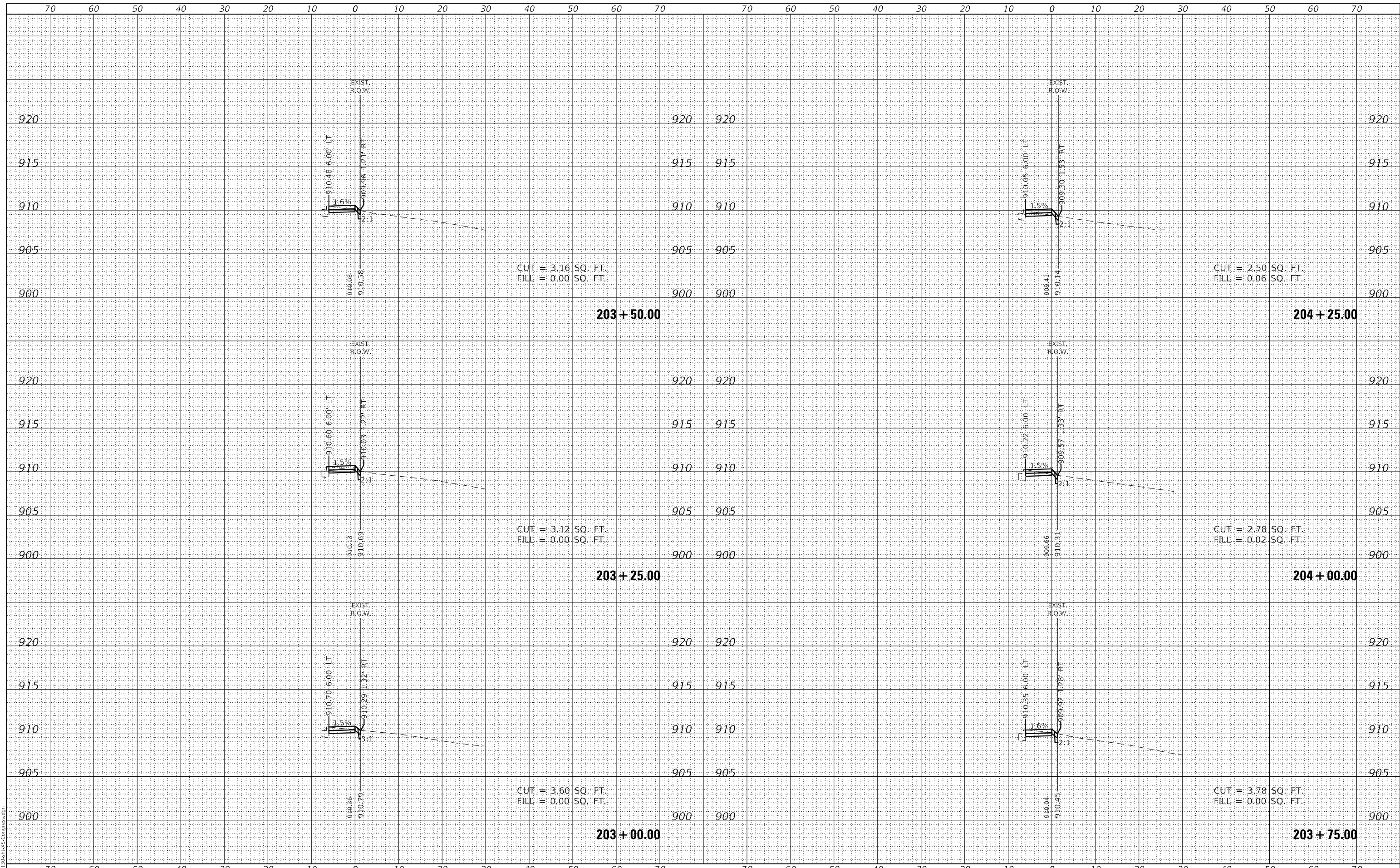


FILE NAME = 5423-130-sht-XS-Congress.dgn	USER NAME = D0hesak	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS - CONGRESS PARKWAY SIDEWALK CITY OF CRYSTAL LAKE, ILLINOIS			F.A.U. RTE. 0124	SECTION 21-00131-00-SW	COUNTY MCHENRY	TOTAL SHEETS 97	SHEET NO. 95
5423.13		DRAWN - DGO	REVISED -		SCALE: H: 1"=10'	SHEET 2 OF 4 SHEETS	STA. 201+50.00	TO STA. 202+75.00	CONTRACT NO. 61171		ILLINOIS FED. AID PROJECT	
Xs_Congress_2		CHECKED - KLB	REVISED -									
		DATE - 7/1/2024	REVISED -									

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

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

GHA GEWALT HAMILTON ASSOCIATES, INC.
 MODEL: XS_Congress_3
 FILE NAME: 3423-130-sht-XS-Congress.dgn



FILE NAME =	5423-130-sht-XS-Congress.dgn
USER NAME =	D0hesak
DESIGNED -	KLB
DRAWN -	DGO
REVISOR -	
REVISIONS -	
PLLOT SCALE =	1:20,000
CHECKED -	KLB
REVISOR -	
REVISIONS -	
PLLOT DATE =	7/1/2024
DATE -	7/10/2024
REVISOR -	
REVISIONS -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - CONGRESS PARKWAY SIDEWALK
CITY OF CRYSTAL LAKE, ILLINOIS
 SCALE: H: 1"=10' V: 1"=5'
 SHEET 3 OF 4 SHEETS STA. 203+00.00 TO STA. 204+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	96
			CONTRACT NO. 61171	

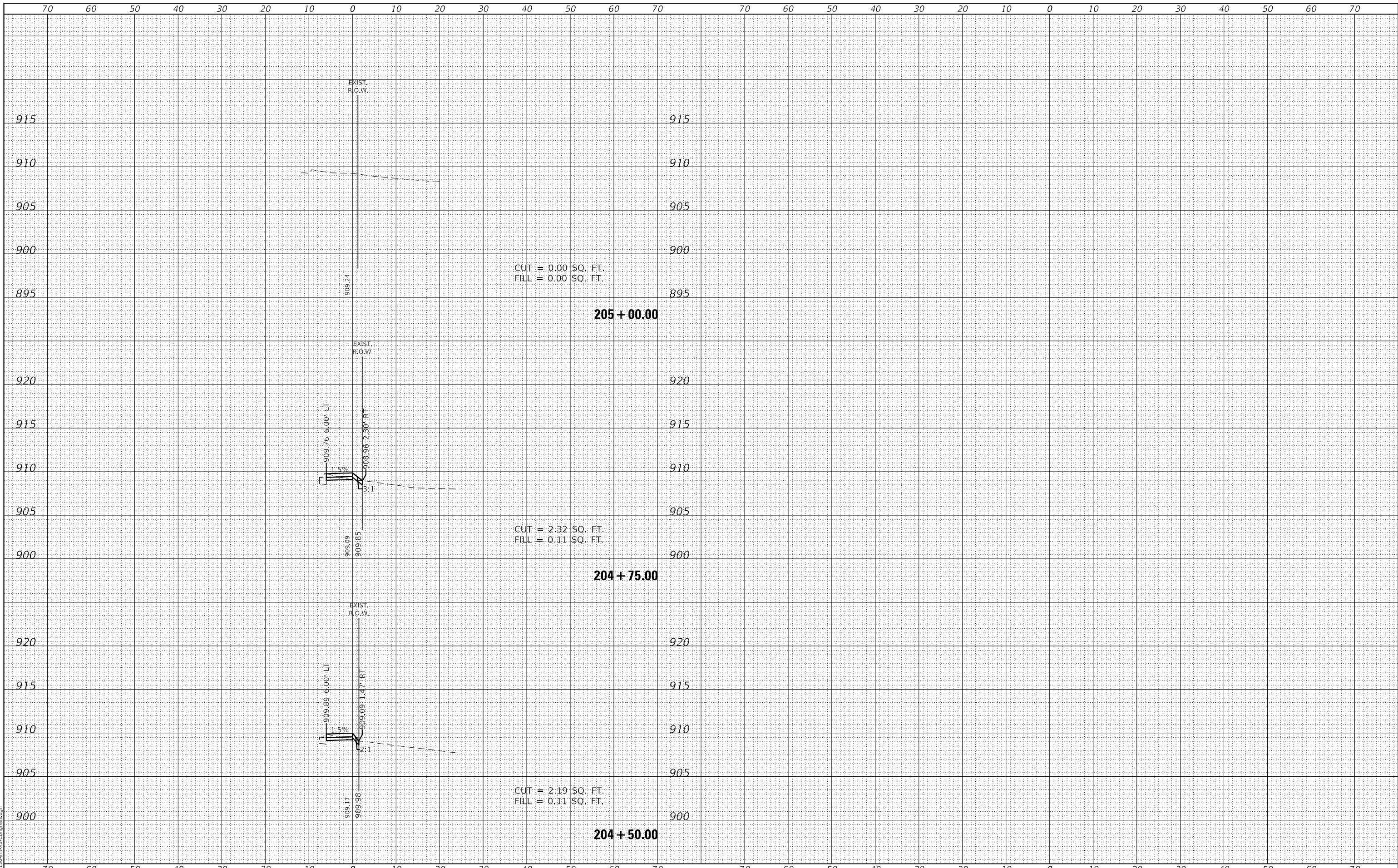
ILLINOIS FED. AID PROJECT

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

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

GHA GEWALT HAMILTON ASSOCIATES, INC.

MODEL: XS_Congress_4
FILE NAME: 3423-130-shr-XS-Congress.dgn



FILE NAME =	USER NAME = D0hesak
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5423.13	DRAWN - DGO
XS_Congress_4	CHECKED - KLB
	DATE - 7/10/2024
	REVISIED -
	REVISIED -
	REVISIED -

DESIGNED - KLB	REVISIED -
DRAWN - DGO	REVISIED -
CHECKED - KLB	REVISIED -
DATE - 7/10/2024	REVISIED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - CONGRESS PARKWAY SIDEWALK
CITY OF CRYSTAL LAKE, ILLINOIS**

SCALE: H: 1"=10'
SHEET 4 OF 4 SHEETS
STA. 204+50.00 TO STA. 205+00.00
V: 1"=5'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0124	21-00131-00-SW	MCHENRY	97	97
			CONTRACT NO. 61171	
		ILLINOIS	FED. AID PROJECT	