

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	1
		ILLINOIS	CONTRACT NO. 61J74	

FOR INDEX OF SHEETS, SEE SHEET NO. 2 09-20-2024 LETTING ITEM 064

FOR LIST OF HIGHWAY STANDARDS SEE SHEET NO. 2

TRAFFIC DATA

ADT:
 GOLF RD. 38,100 VPD (2019)
 GREENWOOD AVE. 19,200 VPD (2018)
 MILWAUKEE AVE. 33,500 VPD (2019)

SPEED POSTED

GOLF RD. 40 MPH
 GREENWOOD AVE. 35 MPH
 MILWAUKEE AVE. 35 MPH

DESIGN DESIGNATION

FAP 339 (GOLF RD) - OTHER PRINCIPAL ARTERIAL
 FAU 2743 (GREENWOOD AVE.) - MINOR ARTERIAL
 FAU 374 (MILWAUKEE AVE.) - OTHER PRINCIPAL ARTERIAL

PROJECT LOCATED IN THE VILLAGE OF NILES

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED FEDERAL AID HIGHWAY
 GOLF RD (IL 58): DEE RD TO WASHINGTON ST
 GREENWOOD AVE: SUNSET RD TO GOLF RD (IL 58)
 MILWAUKEE AVE (IL 21): MARYLAND ST TO GOLF RD (IL 58)
 SIDEWALK IMPROVEMENTS
 SECTION: 18-00131-00-SW
 PROJECT: RR9H(398)
 VILLAGE OF NILES
 COOK COUNTY
 JOB: C-91-091-21

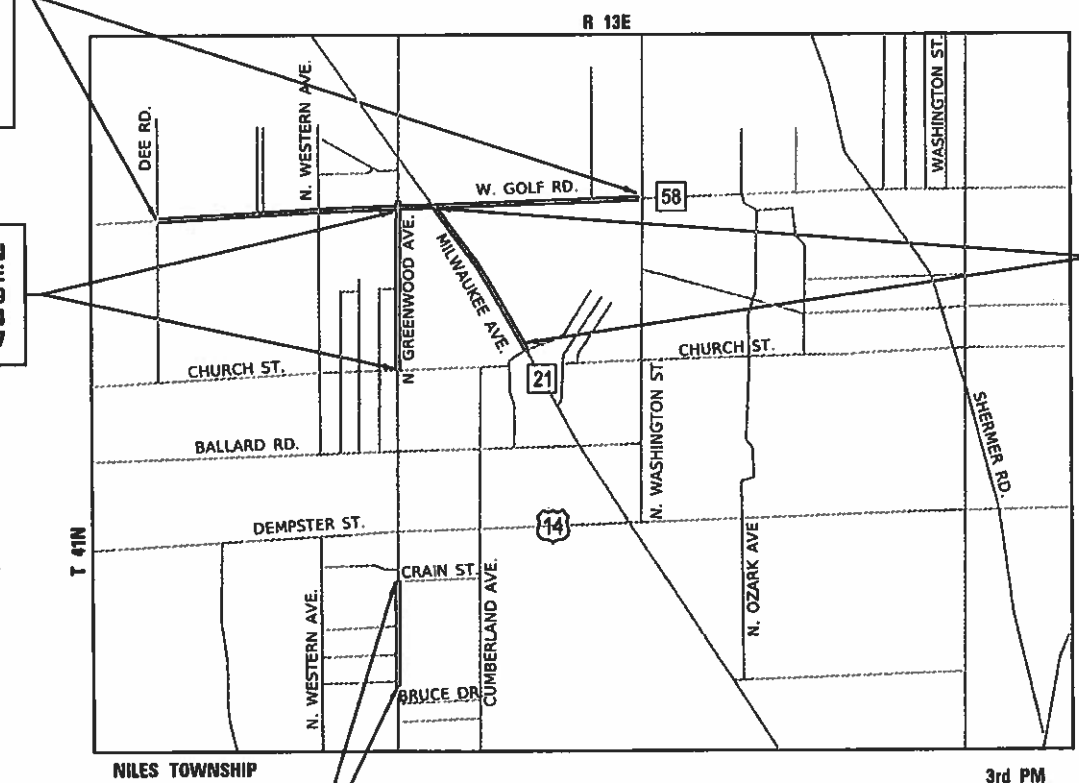


LOCATION OF SECTION INDICATED THUS: - [Symbol] -

IMPROVEMENTS ON GOLF ROAD
 100 + 18.85 - 114 + 48.82
 200 + 34.28 - 209 + 64.87
 300 + 07.16 - 308 + 27.91
 400 + 00.00 - 401 + 56.08
 500 + 06.26 - 520 + 48.58
 527 + 12.32 - 533 + 41.44
 600 + 10.29 - 606 + 92.49
 700 + 34.43 - 708 + 03.64
 800 + 16.09 - 803 + 94.42

IMPROVEMENTS ON GREENWOOD AVENUE
 10 + 05.67 - 40 + 63.69
 900 + 20.42 - 906 + 18.94
 1101 + 00 - 1101 + 14.7

IMPROVEMENTS ON MILWAUKEE ROAD
 2000 + 04.24 - 2027 + 82.64
 3000 + 10.08 - 3024 + 54.31

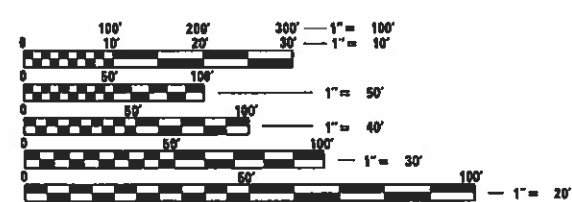


LOCATION MAP

N.T.S.

PROJECT LENGTH

NET AND GROSS LENGTH OF PROJECT= 17,165 FT. = 3.25 MILES



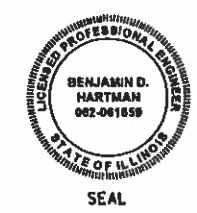
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: B. HARTMAN
 PROJECT MANAGER: A. CHAUDHRY

CONTRACT NO. 61J74

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



PROFESSIONAL ENGINEER'S SIGN & SEAL

BENJAMIN D. HARTMAN, P.E.
 EXPIRES: 11-30-25



1391 CORPORATE DRIVE, SUITE 203 | McHENRY, ILLINOIS 80050
 Phone: 815.385.1778 | Toll Free: 800.728.7805 | Fax: 815.385.1781 | HRGreen.com
 ILLINOIS PROFESSIONAL DESIGN FIRM #184-001322

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

APPROVED June 6th 2024
Thomas Urban PE
 VILLAGE OF NILES, VILLAGE ENGINEER

PASSED July 23 2024
[Signature]
 DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
 BASED ON LIMITED
 REVIEW July 23rd 2024
[Signature]
 REGIONAL ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

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DISTRICT ONE DETAILS

<u>STANDARD NO.</u>	<u>LIST OF DESCRIPTION</u>
BD-02	DRIVEWAY DETAILS
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
TS-05	STANDARD TRAFFIC SIGNAL DESIGN DETAILS

STATE STANDARDS

<u>STANDARD NO.</u>	<u>LIST OF DESCRIPTION</u>
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006-00	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424016-05	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CORNER FOR SIDEWALKS
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
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' RI 24" FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701427-05	LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSIBLE MEDIAN
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
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 STEEL SIGN SUPPORT

GENERAL NOTES

- ALL REFERENCES TO "STANDARD SPECIFICATIONS" IN THESE GENERAL NOTES SHALL BE INTERPRETED TO MEAN STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, JANUARY 1, 2022. ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1, 2024, THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "MANUAL OF TEST PROCEDURES FOR MATERIALS", AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THE PROJECT.
- THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER AT LEAST 72 HOURS PRIOR TO BEGINNING WORK.
- ALL ELEVATIONS SHOWN ON THE PLANS ARE ON THE NAVD88 DATUM.
- SAW CUTTING WILL BE REQUIRED FOR ALL REMOVAL ITEMS AND SHALL BE TO FULL DEPTH AND SHALL RESULT IN A CLEAN STRAIGHT EDGE IN THE PORTION REMAINING.
- THE ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT/SIDEWALK, UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE PLACED IN KIND PER ARTICLE 201.07. REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.
- THE CONTRACTOR SHALL CONTACT KALPANA KANNAN HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

STORM SEWERS, SANITARY SEWER, AND UTILITIES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.
- THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MIGHT NOT BE SHOWN ON THE PLANS. ANY UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER.
- WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN, IN AN OPERATING CONDITION, TEMPORARY OUTLETS AND CONNECTIONS FOR ALL DRAINS, SEWERS, AND CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES WHICH HAVE THE CAPACITY TO RECEIVE AND DISCHARGE THE STORM WATER FLOW RATES NORMALLY ACCEPTED AND RELEASED BY THE EXISTING DRAINAGE FACILITIES.

SIGNING AND STRIPING

- SEE IDOT DISTRICT ONE DETAILS AND PLAN SHEETS FOR PAVEMENT MARKING DETAILS.
- LONGER POSTS MAY BE REQUIRED AT SOME TEMPORARY OR PERMANENT SIGN LOCATIONS TO MAINTAIN PROPER SIGN ELEVATIONS. THIS WORK SHALL BE COMPLETED IN ACCORDANCE WITH SECTION 729 OF THE STANDARD SPECIFICATIONS.

SEDIMENTATION AND EROSION CONTROL

- CONTROL MEASURES SHALL MEET THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE ILLINOIS URBAN MANUAL (WWW.AISWCD.ORG/IUM) UNLESS STATED OTHERWISE.
- STABILIZATION OF DISTURBED AREAS SHALL BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE DEVELOPMENT SITE, OR TEMPORARILY CEASED ON ANY PORTION OF THE DEVELOPMENT SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. STABILIZATION OF DISTURBED AREAS SHALL BE INITIATED WITHIN 1 WORKING DAY OF PERMANENT OR TEMPORARY CESSATION OF EARTH DISTURBING ACTIVITIES AND SHALL BE COMPLETED AS SOON AS POSSIBLE, BUT NOT LATER THAN 14 CALENDAR DAYS FROM THE INITIATION OF STABILIZATION WORK IN AN AREA. EXCEPTIONS TO THESE TIME FRAMES ARE SPECIFIED BELOW: A) WHERE THE INITIATION OF STABILIZATION MEASURES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE; AND B) IN AREAS WHERE CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED AND WILL RESUME AFTER 14 DAYS, A TEMPORARY STABILIZATION METHOD MAY BE USED.
- PERIMETER CONTROL MEASURES SHALL BE PROVIDED DOWNSLOPE AND PERPENDICULAR TO THE FLOW OF RUNOFF FROM DISTURBED AREAS, WHERE THE TRIBUTARY AREA IS GREATER THAN 5,000 SQUARE FEET, AND WHERE RUNOFF WILL FLOW IN A SHEET FLOW MANNER.
- ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION OF THE DEVELOPMENT SITE IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NECESSARY. TRAPPED SEDIMENT SHALL BE REMOVED AND DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED.
- ADEQUATE RECEPTACLES SHALL BE PROVIDED FOR THE DEPOSITING OF ALL CONSTRUCTION MATERIAL DEBRIS GENERATED DURING THE DEVELOPMENT PROCESS. THE APPLICANT SHALL NOT CAUSE OR PERMIT THE DUMPING, DEPOSITING, DROPPING, THROWING, DISCARDING OR LEAVING OF CONSTRUCTION MATERIAL DEBRIS UPON OR INTO ANY DEVELOPMENT SITE, CHANNEL, OR IWM. THE DEVELOPMENT SITE SHALL BE MAINTAINED FREE OF CONSTRUCTION MATERIAL DEBRIS

HRG PROJECT NO: 200452
 HRG PROJ CONTACT:
 FILE NAME: 200452-shr-gemnet-01.dgn
 PEN TABLE: 18-001322.tbl



USER NAME = bhartma	DESIGNED -	REVISED -
	DRAWN - WJH	REVISED -
PLOT SCALE = 2,0000 ' / in.	CHECKED - BDH	REVISED -
PLOT DATE = 7/9/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, INDEX OF SHEETS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00131-00-SW	COOK	146	2
CONTRACT NO.			61174	
ILLINOIS		FED. AID PROJECT		

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE		
					HSIP	ITEP	CMAQ
					90% FED 10% LOCAL ROADWAY	80% FED 20% LOCAL ROADWAY	80% FED 20% LOCAL ROADWAY
					0021 URBAN	0028 URBAN	0021 URBAN
#	20101100	TREE TRUNK PROTECTION	EACH	9			9
#	20101200	TREE ROOT PRUNING	EACH	9			9
	20200100	EARTH EXCAVATION	CU YD	2,642	1,294	671	677
#	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	7,275	3,251	3,252	772
#	21101645	TOPSOIL FURNISH AND PLACE, 12"	SQ YD	498			498
#	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	90	40	40	10
#	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	90	40	40	10
#	25200110	SODDING, SALT TOLERANT	SQ YD	7,275	3,248	3,248	779
#	25200200	SUPPLEMENTAL WATERING	UNIT	191	85	85	21
	28000400	PERIMETER EROSION BARRIER	FOOT	7,918	2,274	3,265	2,379
	28000510	INLET FILTERS	EACH	82	34	29	19
	31101180	SUBBASE GRANULAR MATERIAL, TYPE B 2"	SQ YD	8,018	2,505	2,505	3,008
	31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	2,456	1,228	1,228	
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	6	6		
	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	617	617		
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	85,704	30,546	30,546	24,612
#	42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	480	480		

SPECIALTY ITEM
 Δ CONSTRUCTION CODE 0042

HRG PROJECT NO. 200452
 HRG PROJ CONTACT:
 FILE NAME: 200452-sht-004-01.dwg
 COT: 18-00131-00-SW
 PEN: TABLES FOR PREP BY



USER NAME = bhartma	DESIGNED -	REVISED -
	DRAWN - WJH	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - BDH	REVISED -
PLOT DATE = 7/22/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	3
CONTRACT NO. 61J74			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE		
				HSIP	ITEP	CMAQ
				90% FED 10% LOCAL ROADWAY	80% FED 20% LOCAL ROADWAY	80% FED 20% LOCAL ROADWAY
				0021 URBAN	0028 URBAN	0021 URBAN
42400800	DETECTABLE WARNINGS	SQ FT	463	463		
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	700	700		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	9,103	6,552		2,551
44000600	SIDEWALK REMOVAL	SQ FT	3,884	870		3,014
44003100	MEDIAN REMOVAL	SQ FT	135	60		75
60255500	MANHOLES TO BE ADJUSTED	EACH	14	12		2
60266600	VALVE BOXES TO BE ADJUSTED	EACH	1	1		
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	10	9		1
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	9,103	6,466		2,637
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	60	60		
# 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1,537	1,537		
# 66900530	SOIL DISPOSAL ANALYSIS	EACH	20	20		
# 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1		
# 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1.0		
# 66901005	ENGINEERED BARRIER	SQ YD	550	550		
# 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	6	6		
# 67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	7	7		

SPECIALTY ITEM
 Δ CONSTRUCTION CODE 0042

HRG PROJECT NO. 200452
 HRG PROJ CONTACT:
 FILE NAME: 200452-sht-004-01.dgn
 COT: 18-00131-00-SW
 PEN TABLE: 18-00131-00-SW



USER NAME = bhartma	DESIGNED -	REVISED -
	DRAWN - WJH	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - BDH	REVISED -
PLOT DATE = 7/22/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	4
CONTRACT NO. 61J74			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE		
				HSIP	ITEP	CMAQ
				90% FED 10% LOCAL ROADWAY	80% FED 20% LOCAL ROADWAY	80% FED 20% LOCAL ROADWAY
				0021 URBAN	0028 URBAN	0021 URBAN
67100100	MOBILIZATION	L SUM	1	1		
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	0.5	0.5	
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	0.5	0.5	
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	0.5	0.5	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	0.5	0.5	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	0.5	0.5	
# 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2,125	1058		1067
# 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	215	173		42
# 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	306	306		
# 78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	434	350		84
# 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1		1	
# 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1		1	
# 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	189	130		59
# 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	102	52	50	
# 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	2,092		2092	
# 81603598	UNIT DUCT, 600V, 6-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	9,473		9,473	
# 81702460	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 3/0	FOOT	100		100	

SPECIALTY ITEM
 Δ CONSTRUCTION CODE 0042

HRG PROJECT NO. 200452
 HRG PROJ CONTACT:
 FILE NAME: 200452-sht-500-50.dgn
 CLOTHER: L:\200452\1\4\1717
 PEN TABLE: 10/10/2017



USER NAME = bhartma	DESIGNED -	REVISED -
	DRAWN - WJH	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - BDH	REVISED -
PLOT DATE = 7/22/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	5
CONTRACT NO. 61174			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE		
				HSIP	ITEP	CMAQ
				90% FED 10% LOCAL ROADWAY	80% FED 20% LOCAL ROADWAY	80% FED 20% LOCAL ROADWAY
				0021 URBAN	0028 URBAN	0021 URBAN
# 82110007	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	60		60	
# 82500370	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 200AMP	EACH	1		1	
# 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	600		600	
# 83800650	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	60		60	
# 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	8	4		4
# 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	3,873	2668		1205
# 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3,875	2592		1283
# 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	523	523		
# 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	173	173		
# 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1PAIR	FOOT	3,795	1685		2110
# 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	2,710	1529	561	620
# 87700290	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1	1		
# 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	8	4		4
# 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	15	15		
# 87900200	DRILL EXISTING HANDHOLE	EACH	17	11		6
# 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	2	2		
# 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	22	13		9

SPECIALTY ITEM

Δ CONSTRUCTION CODE 0042

HRG PROJECT NO. 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-sht-80q-8l.dgn
 CLOTHER: L:\200452\14\17c.rg
 PEN TABLE: 14\17c.tbl



USER NAME = bhartma	DESIGNED -	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	6
CONTRACT NO. 61174			ILLINOIS FED. AID PROJECT	

#	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE		
					HSIP	ITEP	CMAQ
					90% FED 10% LOCAL ROADWAY	80% FED 20% LOCAL ROADWAY	80% FED 20% LOCAL ROADWAY
					0021 URBAN	0028 URBAN	0021 URBAN
#	88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2	2		
#	88500100	INDUCTIVE LOOP DETECTOR	EACH	10	6		4
#	88600100	DETECTOR LOOP, TYPE I	FOOT	889	478		411
#	89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	3	2		1
#	89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1	1		
#	89501150	RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	2	1		1
#	89502200	MODIFY EXISTING CONTROLLER	EACH	5	3		2
#	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,617	1297		320
#	89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	128	96		32
#	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3			3
#	89502376	REBUILD EXISTING HANDHOLE	EACH	25	16		9
#	89502378	REBUILD EXISTING HANDHOLE TO HEAVY-DUTY HANDHOLE	EACH	1	1		
#	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	3	2		1
#	K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	29			29
#	K1001988	IRRIGATION SYSTEM SPECIAL	L SUM	1			1
#	K1005875	TREE TRANSPLANT	EACH	12			12
#	X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	10	6		4

SPECIALTY ITEM

Δ CONSTRUCTION CODE 0042

HRG PROJECT NO. 200452
 HRG PROJ CONTACT:
 FILE NAME: 200452-sht-500-51.dgn
 CLOTHER: L:\200452\1\4\41717.g
 PEN TABLE: 10/10/2017



USER NAME = bhartma	DESIGNED -	REVISED -
	DRAWN - WJH	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - BDH	REVISED -
PLOT DATE = 7/22/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	7
CONTRACT NO. 61J74			ILLINOIS FED. AID PROJECT	

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE		
					HSIP	ITEP	CMAQ
					90% FED 10% LOCAL ROADWAY	80% FED 20% LOCAL ROADWAY	80% FED 20% LOCAL ROADWAY
					0021 URBAN	0028 URBAN	0021 URBAN
#	X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	4	1		3
	X1700067	STAMPED COLORED PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SQ FT	4,568			4568
	X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	10	5	5	
	X4240800	DETECTABLE WARNINGS (SPECIAL)	SQ FT	258	258		
#	X8140238	REBUILD EXISTING DOUBLE HANDHOLE	EACH	2	1		1
#	X8250500	LIGHTING UNIT COMPLETE (SPECIAL)	EACH	60		60	
#	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	26	12		14
#	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	56	22		34
#	X8891009	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	7	5		2
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1.0		
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	208	208		
#	Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	5	3		2
Δ	Z0076600	TRAINEES	HOUR	500			
Δ	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500			
#	XX009442	WIRELESS LIGHTING CONTROL SYSTEM	EACH	1		1	

SPECIALTY ITEM

Δ CONSTRUCTION CODE 0042

HRG PROJECT NO. 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-sht-80q-81.dgn
 COT: 18-00131-00-SW
 PEN: TABLES FOR PROJECT



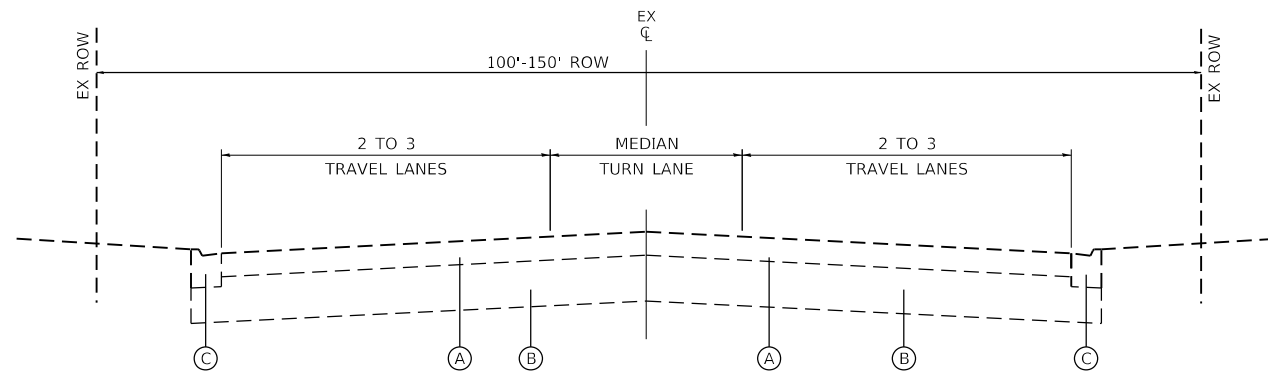
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	DRAWN - WJH	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - BDH	REVISED -
PLOT DATE = 7/22/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

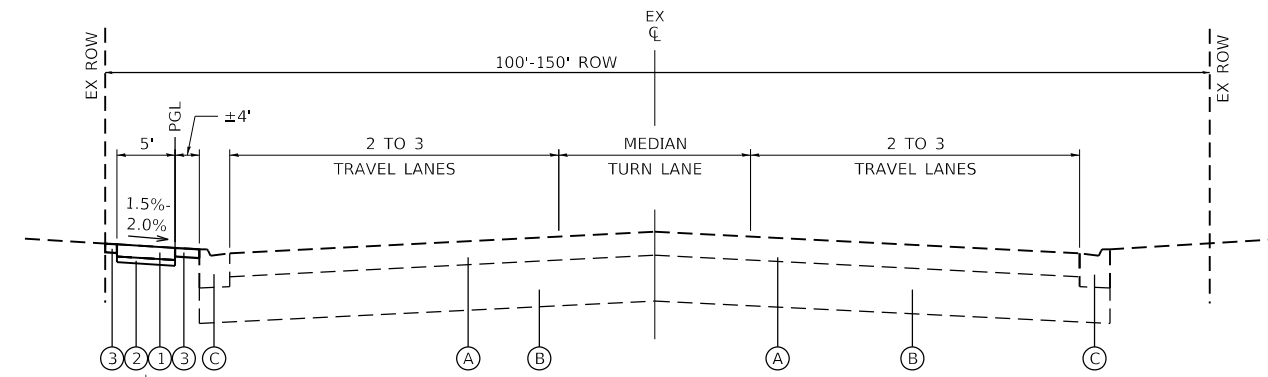
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	8
CONTRACT NO. 61J74			ILLINOIS FED. AID PROJECT	



EXISTING TYPICAL SECTION

GOLF ROAD: STA 100+18.94 TO STA 113+92.30
 GOLF ROAD: STA 200+33.86 TO STA 209+65.86
 GOLF ROAD: STA 300+07.16 TO STA 308+27.47
 GOLF ROAD: STA 400+00.00 TO STA 401+54.77
 GOLF ROAD: STA 500+06.34 TO STA 526+93.57

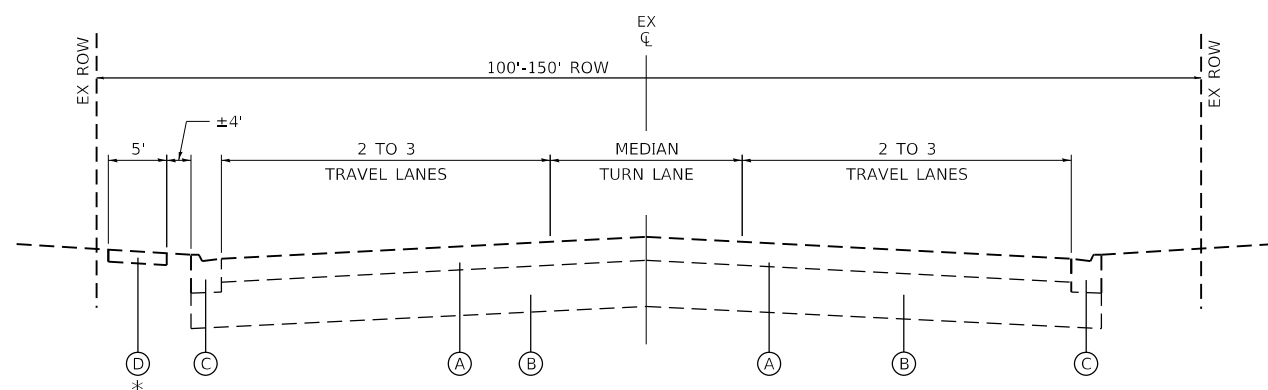
GOLF ROAD: STA 600+10.46 TO STA 606+92.49
 GOLF ROAD: STA 700+34.55 TO STA 708+03.02
 GOLF ROAD: STA 800+15.95 TO STA 803+87.85
 GOLF ROAD: STA 36+00.00 TO STA 40+69.88



PROPOSED TYPICAL SECTION

GOLF ROAD: STA 113+92.30 TO STA 114+48.82

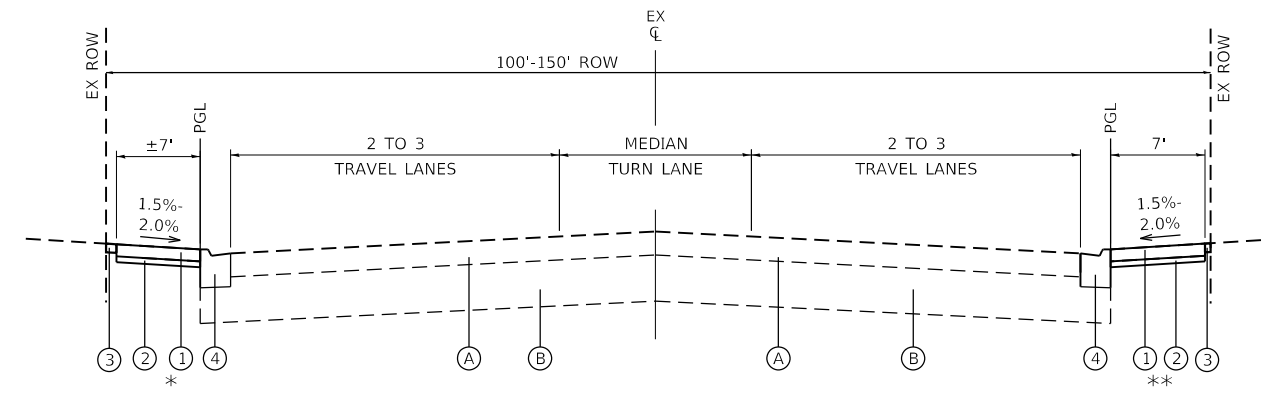
* TYPICAL FOR LOCATIONS SEPARATED FROM CURB AND GUTTER



EXISTING TYPICAL SECTION

GOLF ROAD: STA 113+92.30 TO STA 114+48.82

* TYPICAL FOR LOCATIONS SEPARATED FROM CURB AND GUTTER

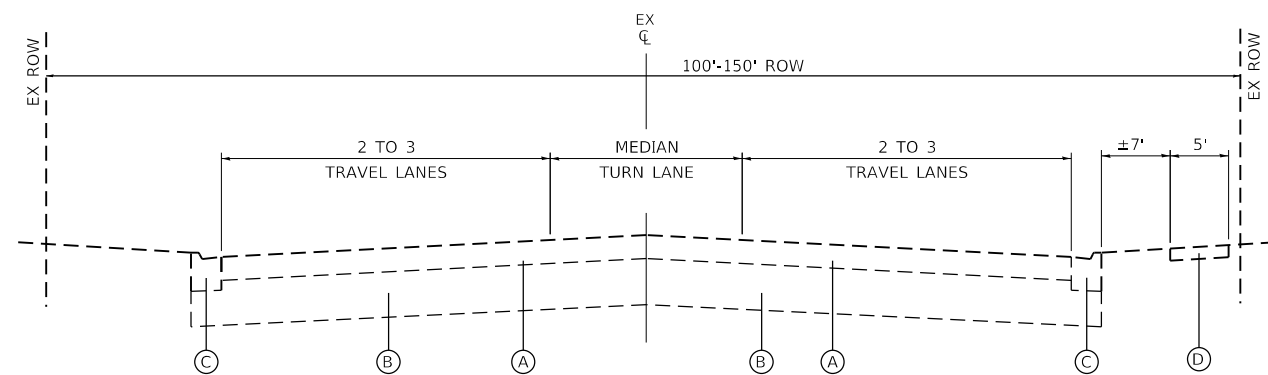


PROPOSED TYPICAL SECTION

GOLF ROAD: STA 100+18.94 TO STA 113+92.30
 GOLF ROAD: STA 200+33.86 TO STA 209+65.86
 GOLF ROAD: STA 300+07.16 TO STA 308+27.47
 GOLF ROAD: STA 400+00.00 TO STA 401+54.77
 GOLF ROAD: STA 500+06.34 TO STA 526+93.57
 GOLF ROAD: STA 600+10.46 TO STA 606+92.49
 GOLF ROAD: STA 700+34.55 TO STA 708+03.02
 GOLF ROAD: STA 800+15.95 TO STA 803+87.85
 GOLF ROAD: STA 36+00.00 TO STA 40+69.88

* TYPICAL FOR LOCATIONS ADJACENT TO CURB AND GUTTER

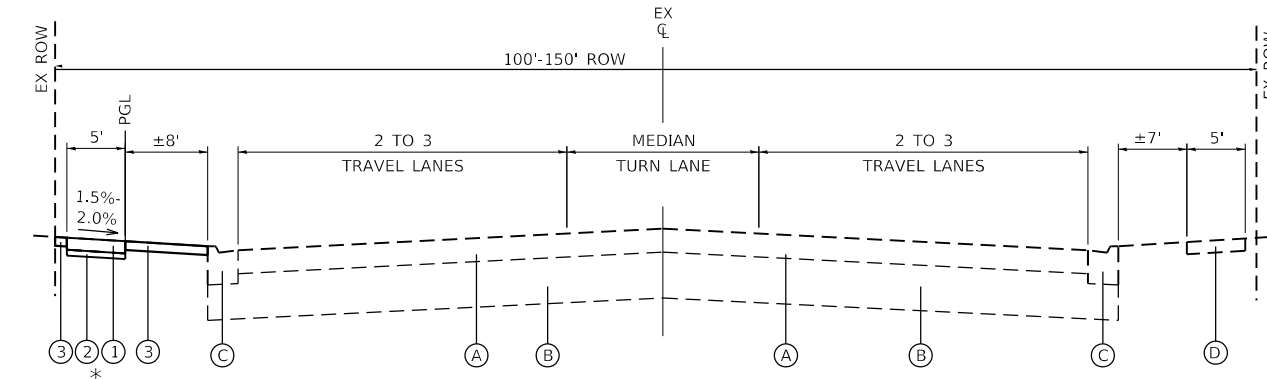
** TYPICAL FOR LOCATIONS ADJACENT TO CURB AND GUTTER



EXISTING TYPICAL SECTION

GOLF ROAD: STA 526+93.57 TO STA 533+18.49

* TYPICAL FOR LOCATIONS SEPARATED FROM CURB AND GUTTER



PROPOSED TYPICAL SECTION

GOLF ROAD: STA 526+93.57 TO STA 533+18.49

* TYPICAL FOR LOCATIONS SEPARATED FROM CURB AND GUTTER

PROPOSED TYPICAL SECTION LEGEND

- ① PCC SIDEWALK, 5 INCH
- ② SUBBASE GRANULAR MATERIAL TYPE B, 2 INCH
- ③ SODDING, SALT TOLERANT
- ④ COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT

EXISTING TYPICAL SECTION LEGEND

- Ⓐ EXISTING PAVEMENT
- Ⓑ EXISTING BASE COURSE
- Ⓒ EXISTING CONCRETE CURB AND GUTTER
- Ⓓ EXISTING PCC SIDEWALK

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QMP
MIXTURE TYPE	AIR VOIDS @ Ndes	
HMA SIDEWALK		
HMA SURFACE COURSE, IL-9.5, MIX "D", N50; 2"	4% @ 50 GYR.	LR1030-2

QMP DESIGNATION IS QUALITY CONTROL/QUALITY ASSURANCE PER LR 1030-2

1. THE UNIT WEIGHT TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN
 2. 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.



USER NAME = bhartma
 DESIGNED -
 DRAWN - W/JH
 PLOT SCALE = 10,0000' / in.
 PLOT DATE = 7/9/2024

DESIGNED -
 REVISIONS -
 CHECKED - BDH
 DATE -

REVISIONS -
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 REVISIONS -

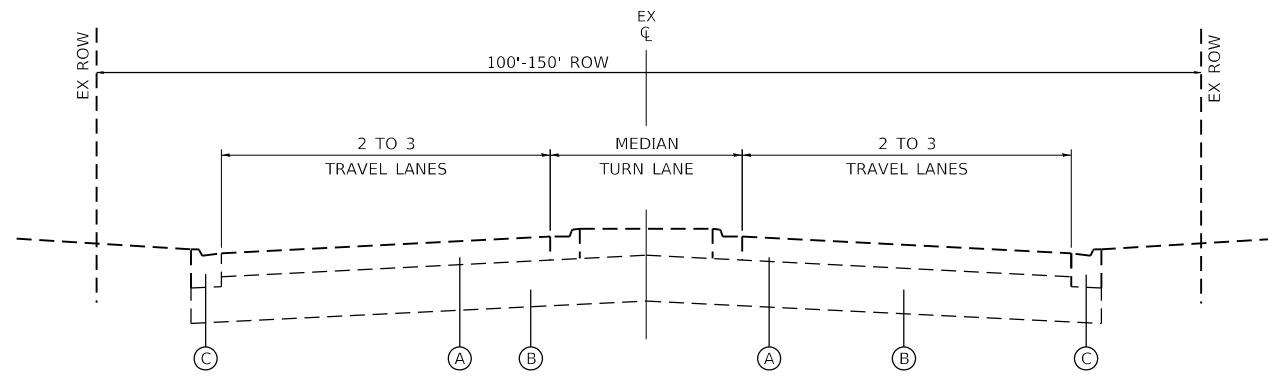
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION
 GOLF ROAD

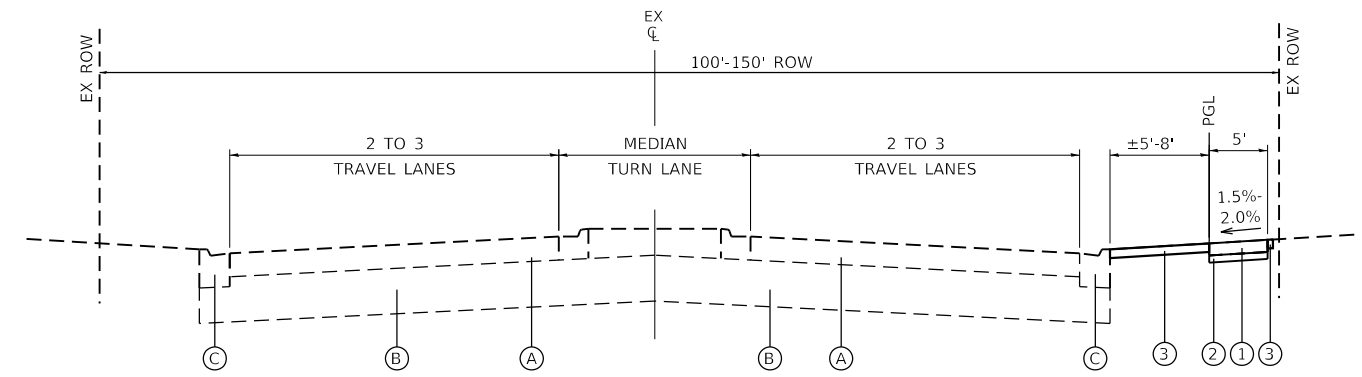
SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	9
CONTRACT NO. 61174				
ILLINOIS FED. AID PROJECT				

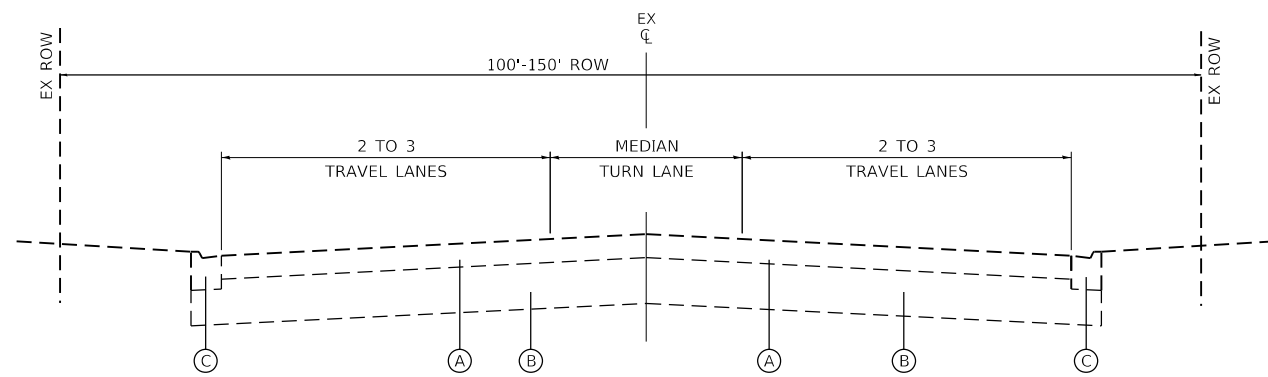
HRG PROJECT NO. 200452
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 PEN TABLE: 18-00131-00-SW



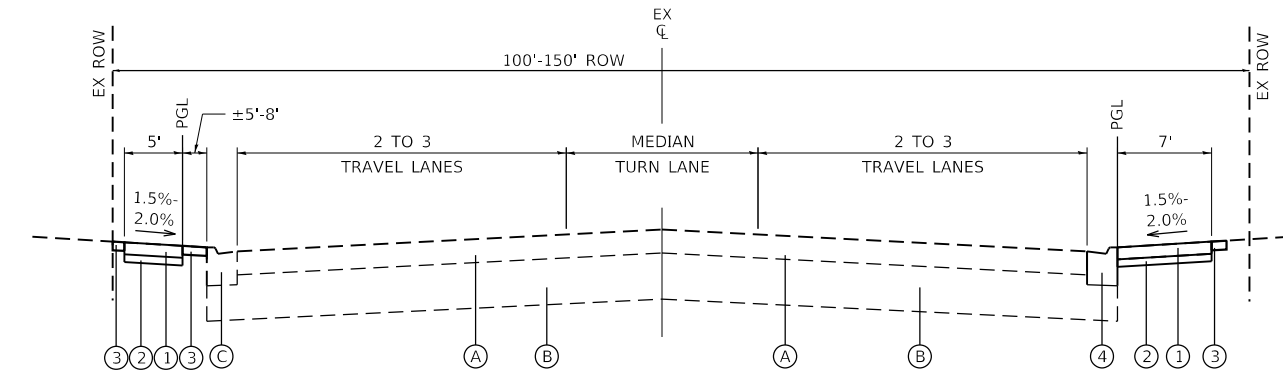
EXISTING TYPICAL SECTION
GREENWOOD AVE: STA 1013+15.0 TO STA 1017+46.64



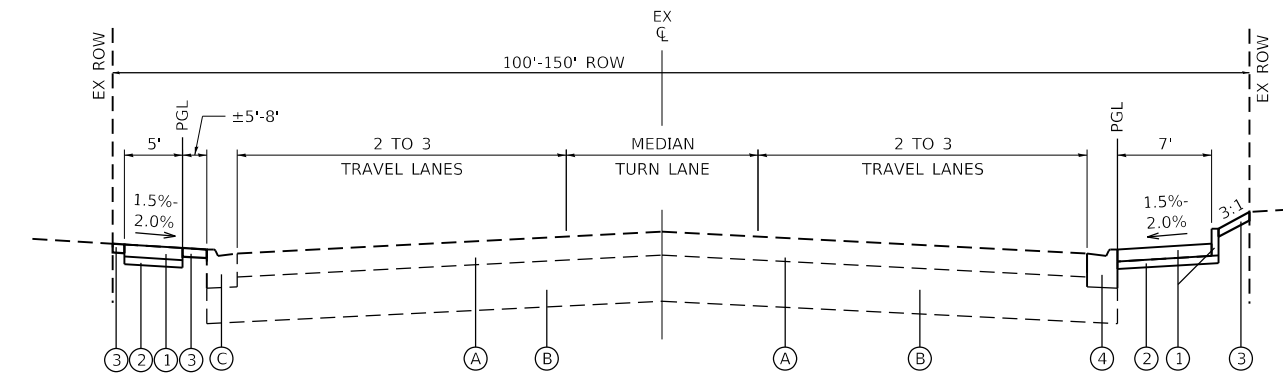
PROPOSED TYPICAL SECTION
GREENWOOD AVE: STA 1013+15.0 TO STA 1017+46.64
GREENWOOD AVE: STA 10+40.6 TO STA 29+83.10



EXISTING TYPICAL SECTION
GREENWOOD AVE: STA 900+20.42 TO STA 906+18.94
GREENWOOD AVE: STA 10+40.6 TO STA 40+63.69
GREENWOOD AVE: STA 1100+00.0 TO STA 1101+47.8



PROPOSED TYPICAL SECTION
GREENWOOD AVE: STA 900+20.42 TO STA 906+18.94
GREENWOOD AVE: STA 28+92.0 TO STA 40+63.69
GREENWOOD AVE: STA 1100+00.0 TO STA 1101+14.7



PROPOSED TYPICAL SECTION
GREENWOOD AVE: STA 29+83.10 TO STA 40+63.69

* PROPOSED SIDEWALK AND SIDE CURB FOLLOWING HIGHWAY STANDARD 424001

PROPOSED TYPICAL SECTION LEGEND

- ① PCC SIDEWALK, 5 INCH
- ② SUBBASE GRANULAR MATERIAL TYPE B, 4 INCH
- ③ SODDING, SALT TOLERANT
- ④ COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT

EXISTING TYPICAL SECTION LEGEND

- Ⓐ EXISTING PAVEMENT
- Ⓑ EXISTING BASE COURSE
- Ⓒ EXISTING CONCRETE CURB AND GUTTER
- Ⓓ EXISTING PCC SIDEWALK

HRG PROJECT NO: 200452
 HRG PROJ CONTACT:
 FILE NAME: 200452-SHT-TYPICAL.dgn
 PEN TABLE: 1/10/2024



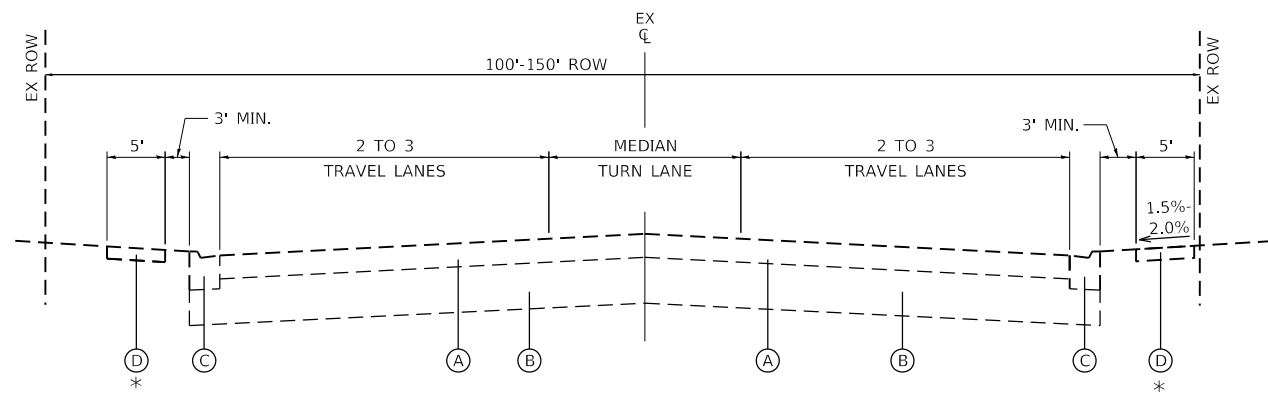
USER NAME = bhartma	DESIGNED -	REVISED -
	DRAWN - W/JH	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - BDH	REVISED -
PLOT DATE = 7/9/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTION
GREENWOOD AVENUE**

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	10
CONTRACT NO. 61174				
ILLINOIS FED. AID PROJECT				

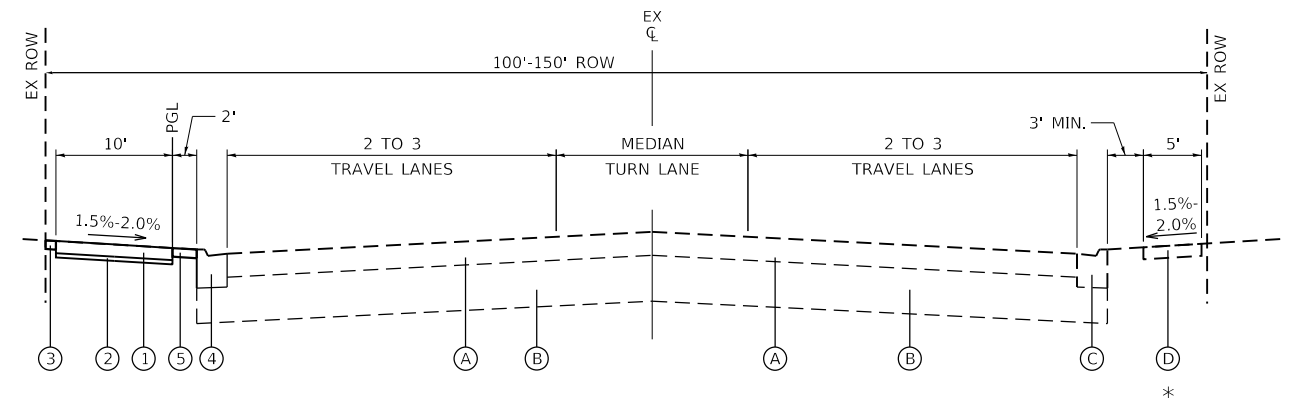


* TYPICAL FOR LOCATIONS SEPARATED FROM CURB AND GUTTER

EXISTING TYPICAL SECTION

MILWAUKEE AVENUE: STA 2000+05.3 TO STA 2000+76.16

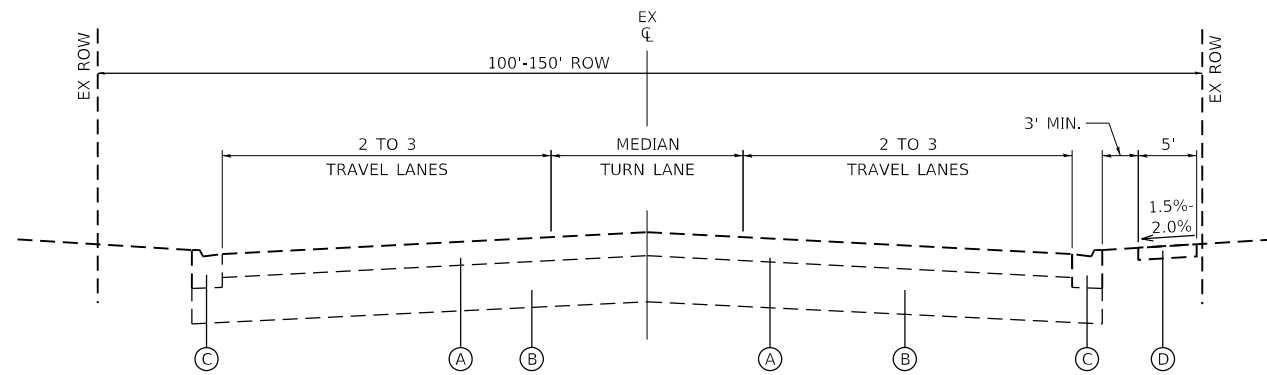
* TYPICAL FOR LOCATIONS ADJACENT TO CURB AND GUTTER



PROPOSED TYPICAL SECTION

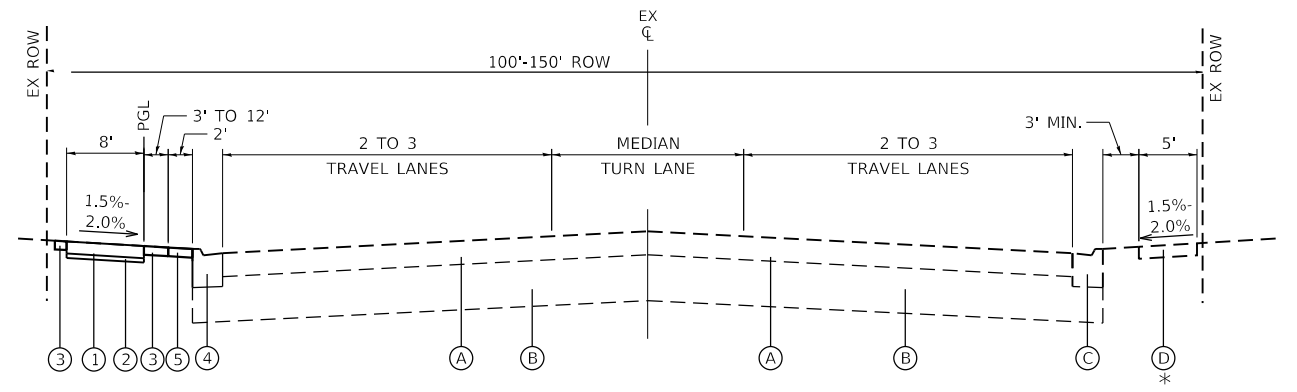
MILWAUKEE AVENUE: STA 2000+05.3 TO STA 2000+76.16

* TYPICAL FOR LOCATIONS ADJACENT TO CURB AND GUTTER



EXISTING TYPICAL SECTION

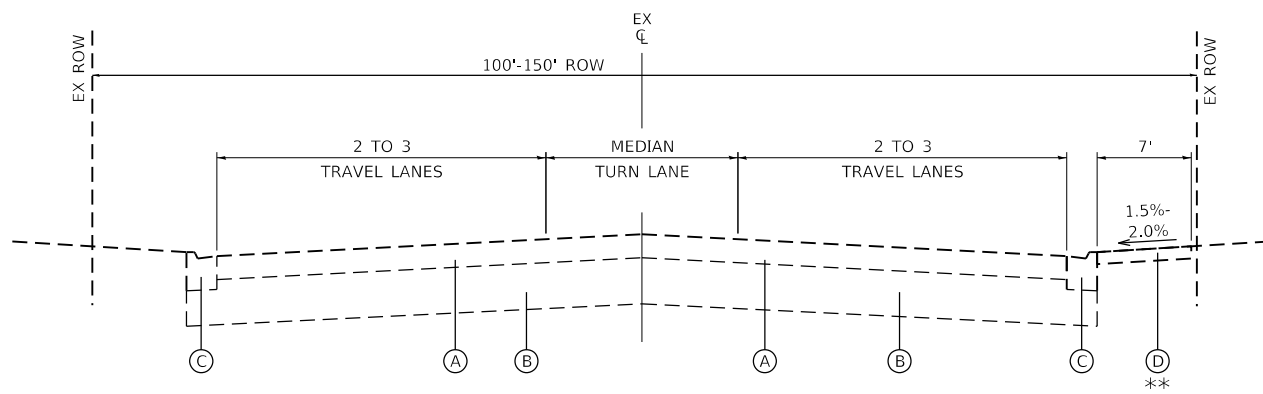
MILWAUKEE AVENUE: STA 2000+76.16 TO STA 2008+94.21



PROPOSED TYPICAL SECTION

MILWAUKEE AVENUE: STA 2000+76.16 TO STA 2008+94.21

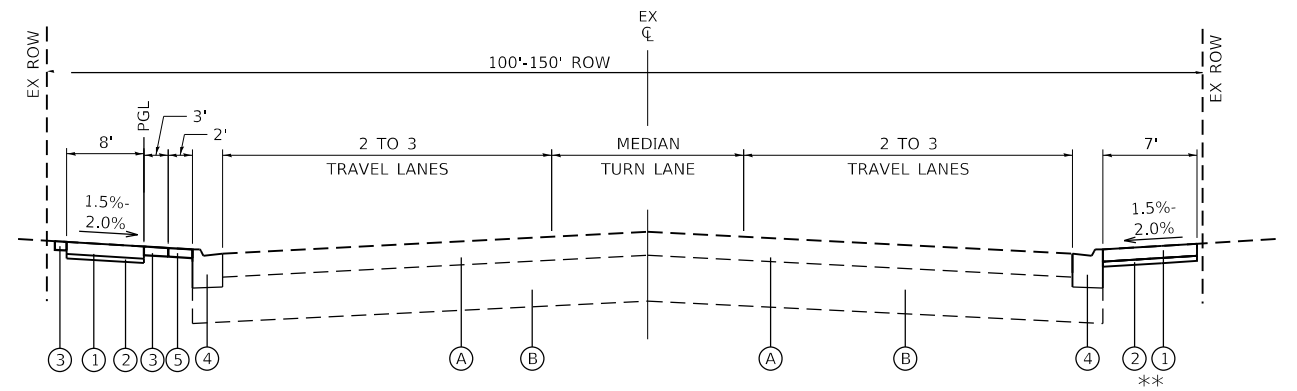
* TYPICAL FOR LOCATIONS ADJACENT TO CURB AND GUTTER



EXISTING TYPICAL SECTION

MILWAUKEE AVENUE: STA 2008+94.21 TO 2027.82.64
MILWAUKEE AVENUE: 3020+91.17 TO 3024+35.57

** TYPICAL FOR LOCATIONS ADJACENT TO CURB AND GUTTER



PROPOSED TYPICAL SECTION

MILWAUKEE AVENUE: STA 2008+94.21 TO 2027.82.64
MILWAUKEE AVENUE: 3020+91.17 TO 3024+35.57

** STA 3009+62 TO STA 3010+49
STA 3020+91 TO STA 3024+35

PROPOSED TYPICAL SECTION LEGEND

- ① PCC SIDEWALK, 5 INCH
- ② SUBBASE GRANULAR MATERIAL TYPE B, 2 INCH
- ③ SODDING, SALT TOLERANT
- ④ COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
- ⑤ STAMPED COLORED PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH

EXISTING TYPICAL SECTION LEGEND

- (A) EXISTING PAVEMENT
- (B) EXISTING BASE COURSE
- (C) EXISTING CONCRETE CURB AND GUTTER
- (D) EXISTING PCC SIDEWALK

HRG PROJECT NO: 200452
 HRG PROJ CONTACT:
 FILE NAME: 200452-SHT-TYPICAL.dgn
 PEN TABLE: 1/10/2024



USER NAME = bhartma	DESIGNED -	REVISED -
	DRAWN - W/JH	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - BDH	REVISED -
PLOT DATE = 7/9/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTION
MILWAUKEE AVENUE**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	11
			CONTRACT NO. 61174	
		ILLINOIS FED. AID PROJECT		

LOCATION	STA. FROM	STA. TO	ITEM NO.	25200110	31101180	31101200	42400200	42400410	44000500	44000600	60605000
			ITEM NAME	SODDING SALT TOLERANT	SUB GRAN MAT B 2	SUB GRAN MAT B 4	PC CONC SIDEWALK 5	PC CONC SIDEWALK 8	COMB CURB GUTTER REM	SIDEWALK REM	COMB CC&G TB6.24
			UNIT	SQ YD	SQ YD	SQ YD	SQ FT	SQ FT	FOOT	SQ FT	FOOT
GOLF RD	100+18	114+48		1880	787	0	6438	0	78	130	78
GOLF RD	200+34	209+65		337	771	0	6308	0	912	0	912
GOLF RD	300+07	308+27		0	425	0	3478	0	575	0	575
GOLF RD	400+00	401+56		0	55	0	449	0	170	0	170
GOLF RD	500+06	520+48		512	1386	0	11342	0	1618	279	1618
GOLF RD	527+12	533+41		649	405	0	3309	0	0	0	0
GOLF RD	600+10	606+92		0	453	0	3712	0	585	0	585
GOLF RD	700+34	708+03		0	468	0	3830	0	846	144	846
GOLF RD	800+16	803+94		179	260	0	2127	0	359	0	359
GREENWOOD AVE	1013+15	1017+46		335	0	216	1772	120	119	318	119
GREENWOOD AVE	10+05	40+63		2149	0	1820	14892	240	1106	0	1106
GREENWOOD AVE	900+20	906+18		462	0	420	3435	120	98	0	98
MILWAUKEE AVE	2000+04	2027+82		772	2673	0	21866	0	2551	503	2551
MILWAUKEE AVE	3000+10	3024+54		0	335	0	2746	0	86	2510	86
TOTALS				7275	8018	2456	85704	480	9103	3884	9103

EARTHWORK SCHEDULE

LOCATION		EARTH EXCAVATION (CU YD)	15% SHRINKAGE ADJUSTMENT	EARTHWORK BALANCE WASTE (+) SHORTAGE (-) (CU YD)
ROADWAY	STATIONING			
GOLF RD	STA. 100+18 TO STA. 114+48	196.2	29.4	166.8
GOLF RD	STA. 200+34 TO STA. 209+65	143.3	21.5	121.8
GOLF RD	STA. 300+07 TO STA. 308+27	131.4	19.7	111.7
GOLF RD	STA. 400+00 TO STA. 401+47	13.9	2.1	11.8
GOLF RD	STA. 500+06 TO STA. 520+48	403.1	60.5	342.6
GOLF RD	STA. 527+12 TO STA. 533+41	66.3	9.9	56.4
GOLF RD	STA. 600+10 TO STA. 606+92	151.1	22.7	128.4
GOLF RD	STA. 700+34 TO STA. 708+03	143.6	21.5	122.1
GOLF RD	STA. 800+16 TO STA. 803+94	45.5	6.8	38.7
GREENWOOD AVE	STA. 1013+15 TO STA. 1017+46	52.7	7.9	44.8
GREENWOOD AVE	STA. 900+20 TO STA. 906+18	74.5	11.2	63.3
GREENWOOD AVE	STA. 10+05 TO STA. 40+63	543.2	81.5	461.7
MILWAUKEE AVE	STA. 2000+05 TO STA. 2027+82	677.2	101.6	575.6
SUB-TOTAL		2642.0	396.3	2245.7

HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-shr-schedule.dgn
 PLOT DATE: 7/9/2024
 PEN TABLE: 1001tbl.tbl



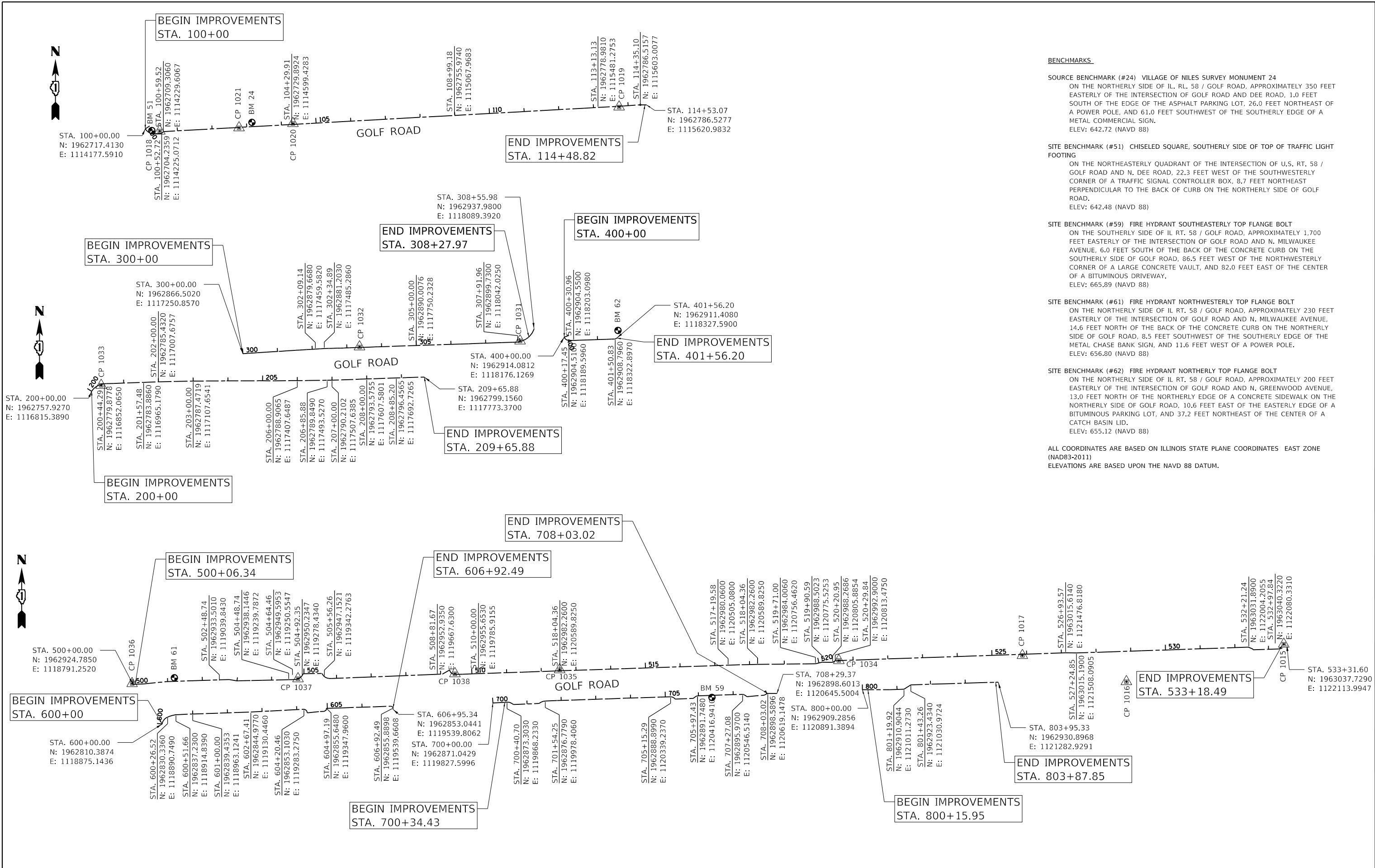
USER NAME = bhartma	DESIGNED -	REVISED -
	DRAWN - W/JH	REVISED -
PLOT SCALE = 2,0000' / in.	CHECKED - BDH	REVISED -
PLOT DATE = 7/9/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	12
CONTRACT NO.			61174	
ILLINOIS		FED. AID PROJECT		



BENCHMARKS

SOURCE BENCHMARK (#24) VILLAGE OF NILES SURVEY MONUMENT 24
 ON THE NORTHERLY SIDE OF IL. RT. 58 / GOLF ROAD, APPROXIMATELY 350 FEET EASTERLY OF THE INTERSECTION OF GOLF ROAD AND DEE ROAD, 1.0 FEET SOUTH OF THE EDGE OF THE ASPHALT PARKING LOT, 26.0 FEET NORTHEAST OF A POWER POLE, AND 61.0 FEET SOUTHWEST OF THE SOUTHERLY EDGE OF A METAL COMMERCIAL SIGN.
 ELEV: 642.72 (NAVD 88)

SITE BENCHMARK (#51) CHISELED SQUARE, SOUTHERLY SIDE OF TOP OF TRAFFIC LIGHT FOOTING
 ON THE NORTHEASTERLY QUADRANT OF THE INTERSECTION OF U.S. RT. 58 / GOLF ROAD AND N. DEE ROAD, 22.3 FEET WEST OF THE SOUTHWESTERLY CORNER OF A TRAFFIC SIGNAL CONTROLLER BOX, 8.7 FEET NORTHEAST PERPENDICULAR TO THE BACK OF CURB ON THE NORTHERLY SIDE OF GOLF ROAD.
 ELEV: 642.48 (NAVD 88)

SITE BENCHMARK (#59) FIRE HYDRANT SOUTHEASTERLY TOP FLANGE BOLT
 ON THE SOUTHERLY SIDE OF IL RT. 58 / GOLF ROAD, APPROXIMATELY 1,700 FEET EASTERLY OF THE INTERSECTION OF GOLF ROAD AND N. MILWAUKEE AVENUE, 6.0 FEET SOUTH OF THE BACK OF THE CONCRETE CURB ON THE SOUTHERLY SIDE OF GOLF ROAD, 86.5 FEET WEST OF THE NORTHWESTERLY CORNER OF A LARGE CONCRETE VAULT, AND 82.0 FEET EAST OF THE CENTER OF A BITUMINOUS DRIVEWAY.
 ELEV: 665.89 (NAVD 88)

SITE BENCHMARK (#61) FIRE HYDRANT NORTHWESTERLY TOP FLANGE BOLT
 ON THE NORTHERLY SIDE OF IL RT. 58 / GOLF ROAD, APPROXIMATELY 230 FEET EASTERLY OF THE INTERSECTION OF GOLF ROAD AND N. MILWAUKEE AVENUE, 14.6 FEET NORTH OF THE BACK OF THE CONCRETE CURB ON THE NORTHERLY SIDE OF GOLF ROAD, 8.5 FEET SOUTHWEST OF THE SOUTHERLY EDGE OF THE METAL CHASE BANK SIGN, AND 11.6 FEET WEST OF A POWER POLE.
 ELEV: 656.80 (NAVD 88)

SITE BENCHMARK (#62) FIRE HYDRANT NORTHERLY TOP FLANGE BOLT
 ON THE NORTHERLY SIDE OF IL RT. 58 / GOLF ROAD, APPROXIMATELY 200 FEET EASTERLY OF THE INTERSECTION OF GOLF ROAD AND N. GREENWOOD AVENUE, 13.0 FEET NORTH OF THE NORTHERLY EDGE OF A CONCRETE SIDEWALK ON THE NORTHERLY SIDE OF GOLF ROAD, 10.6 FEET EAST OF THE EASTERLY EDGE OF A BITUMINOUS PARKING LOT, AND 37.2 FEET NORTHEAST OF THE CENTER OF A CATCH BASIN LID.
 ELEV: 655.12 (NAVD 88)

ALL COORDINATES ARE BASED ON ILLINOIS STATE PLANE COORDINATES EAST ZONE (NAD83-2011)
 ELEVATIONS ARE BASED UPON THE NAVD 88 DATUM.

HRG PROJECT NO: 200452
 HRG PROJ CONTACT:
 FILE NAME: 200452-SHT-ATB-50.dgn
 PEN TABLE: penTable.tbl



USER NAME = bhartma	DESIGNED -	REVISED -
PLOT SCALE = 250.0000' / in.	CHECKED - BDH	REVISED -
PLOT DATE = 7/9/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENT TIES AND BENCHMARKS			
GOLF ROAD			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	13
CONTRACT NO. 61174				
ILLINOIS FED. AID PROJECT				

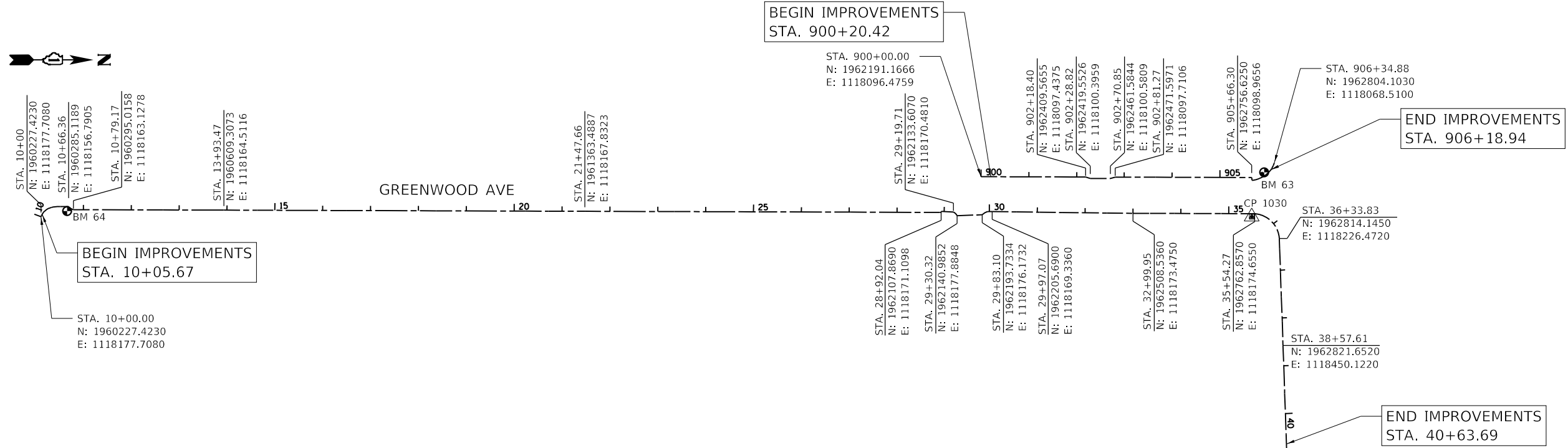
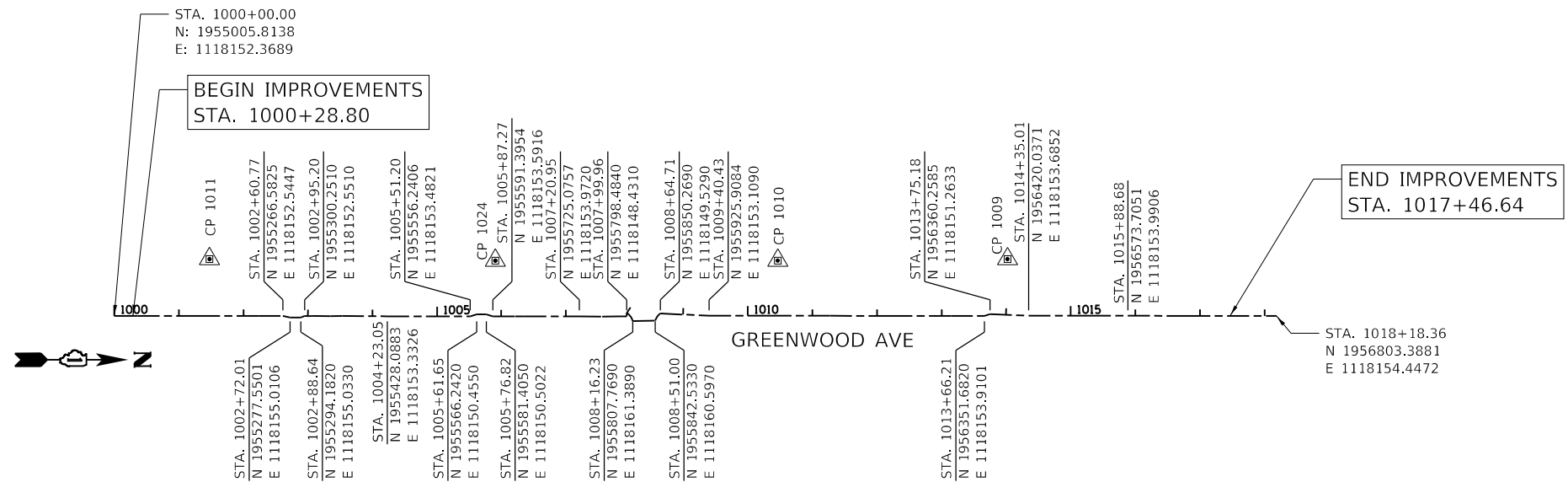
BENCHMARKS

SITE BENCHMARK (#63) CHISELED CROSS, NORTHERLY SIDE OF TOP OF TRAFFIC LIGHT FOOTING
ON THE SOUTHWESTERLY QUADRANT OF THE INTERSECTION OF IL RT. 58 / GOLF ROAD AND N. GREENWOOD AVENUE, 5.5 FEET EAST OF THE EASTERLY CORNER OF A TRAFFIC SIGNAL CONTROLLER BOX, 22.5 FEET NORTHWEST OF THE CENTER OF A SANITARY MANHOLE LID, AND 11.5 FEET SOUTHEAST OF THE CENTER OF A COMED ELECTRIC HANDHOLE LID.
ELEV: 652.47 (NAVD 88)

ALL COORDINATES ARE BASED ON ILLINOIS STATE PLANE COORDINATES EAST ZONE (NAD83-2011)
ELEVATIONS ARE BASED UPON THE NAVD 88 DATUM.

PROP. CURVE GREENWOOD3 49
PI STA. = 1008+08.43
Δ = 39° 30' 16" (RT)
D = 242° 56' 03"
R = 23.58'
T = 8.47'
L = 16.26'
E = 1.47'
e =
T.R. =
S.E. RUN =
P.C. STA = 1007+99.96
P.T. STA = 1008+16.23

PROP. CURVE GREENWOOD3 52
PI STA. = 1008+58.07
Δ = 34° 24' 30" (RT)
D = 250° 59' 48"
R = 22.83'
T = 7.07'
L = 13.71'
E = 1.07'
e =
T.R. =
S.E. RUN =
P.C. STA = 1008+51.00
P.T. STA = 1008+64.71



PROP. CURVE GREENWOOD1_1
PI STA. = 10+16.47
Δ = 56° 49' 41" (RT)
D = 188° 15' 33"
R = 30.43'
T = 16.47'
L = 30.19'
E = 4.17'
e =
T.R. =
S.E. RUN =
P.C. STA = 10+00.00
P.T. STA = 10+30.19

PROP. CURVE GREENWOOD1_2
PI STA. = 10+39.52
Δ = 16° 36' 06" (RT)
D = 89° 35' 09"
R = 63.96'
T = 9.33'
L = 18.53'
E = 0.68'
e =
T.R. =
S.E. RUN =
P.C. STA = 10+30.19
P.T. STA = 10+48.72

PROP. CURVE GREENWOOD1_27
PI STA. = 29+25.18
Δ = 34° 21' 05" (RT)
D = 323° 44' 36"
R = 17.70'
T = 5.47'
L = 10.61'
E = 0.83'
e =
T.R. =
S.E. RUN =
P.C. STA = 29+19.71
P.T. STA = 29+30.32

PROP. CURVE GREENWOOD1_30
PI STA. = 29+90.29
Δ = 33° 41' 04" (RT)
D = 241° 03' 08"
R = 23.77'
T = 7.20'
L = 13.97'
E = 1.07'
e =
T.R. =
S.E. RUN =
P.C. STA = 29+83.10
P.T. STA = 29+97.07

PROP. CURVE GREENWOOD1_57
PI STA. = 36+02.65
Δ = 82° 12' 28" (RT)
D = 103° 19' 50"
R = 55.45'
T = 48.38'
L = 79.56'
E = 18.14'
e =
T.R. =
S.E. RUN =
P.C. STA = 35+54.27
P.T. STA = 36+33.83

PROP. CURVE GREENWOOD2_17
PI STA. = 905+80.25
Δ = 16° 31' 00" (LT)
D = 103° 12' 24"
R = 55.52'
T = 8.06'
L = 16.00'
E = 0.58'
e =
T.R. =
S.E. RUN =
P.C. STA = 905+78.20
P.T. STA = 905+88.20

PROP. CURVE GREENWOOD2_18
PI STA. = 906+03.97
Δ = 31° 21' 43" (LT)
D = 102° 00' 59"
R = 56.16'
T = 15.77'
L = 30.74'
E = 2.17'
e =
T.R. =
S.E. RUN =
P.C. STA = 905+88.20
P.T. STA = 906+18.94

PROP. CURVE GREENWOOD2_21
PI STA. = 906+25.40
Δ = 5° 47' 47" (LT)
D = 77° 19' 58"
R = 74.09'
T = 3.75'
L = 7.50'
E = 0.09'
e =
T.R. =
S.E. RUN =
P.C. STA = 906+21.65
P.T. STA = 906+29.15

HRG PROJECT NO: 200452
HRG PROJ CONTACT:
FILE NAME: 200452-SHT-17B-02.dgn
PEN TABLE: 10/10/2024



USER NAME = bhartma	DESIGNED -	REVISED -
PLOT SCALE = 250.0000' / in.	DRAWN - W/JH	REVISED -
PLOT DATE = 7/9/2024	CHECKED - BDH	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALIGNMENT TIES AND BENCHMARKS	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	14
CONTRACT NO. 61174			ILLINOIS FED. AID PROJECT	

MILWAUKEE AVENUE

BEGIN IMPROVEMENTS
STA. 2000+05.43

END IMPROVEMENTS
STA. 2027+82.64

END IMPROVEMENTS
STA. 3024+35.57

BEGIN IMPROVEMENTS
STA. 3000+05.07

MILWAUKEE AVENUE

<p>PROP. CURVE MILWAUKEEAVE_57 PI STA. = 2002+25.69 Δ = 11° 59' 03" (RT) D = 19° 29' 18" R = 294.00' T = 30.86' L = 61.49' E = 1.62' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA = 2001+94.83 P.T. STA = 2002+56.32</p>	<p>PROP. CURVE MILWAUKEEAVE_58 PI STA. = 2002+76.61 Δ = 7° 32' 22" (LT) D = 18° 36' 09" R = 308.00' T = 20.29' L = 40.53' E = 0.67' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA = 2002+56.32 P.T. STA = 2002+96.85</p>	<p>PROP. CURVE MILWAUKEEAVE_59 PI STA. = 2003+17.14 Δ = 7° 32' 22" (LT) D = 18° 36' 09" R = 308.00' T = 20.29' L = 40.53' E = 0.67' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA = 2002+96.85 P.T. STA = 2003+37.38</p>	<p>PROP. CURVE MILWAUKEEAVE_62 PI STA. = 2003+54.66 Δ = 2° 31' 10" (RT) D = 16° 47' 23" R = 341.25' T = 7.50' L = 15.01' E = 0.08' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA = 2003+47.16 P.T. STA = 2003+62.17</p>	<p>PROP. CURVE MILWAUKEEAVE_63 PI STA. = 2003+74.94 Δ = 5° 00' 39" (LT) D = 19° 37' 19" R = 292.00' T = 12.78' L = 25.54' E = 0.28' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA = 2003+62.17 P.T. STA = 2003+87.70</p>	<p>PROP. CURVE MILWAUKEEAVE_64 PI STA. = 2003+99.97 Δ = 4° 36' 26" (LT) D = 18° 47' 08" R = 305.00' T = 12.27' L = 24.52' E = 0.25' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA = 2003+87.70 P.T. STA = 2004+12.23</p>	<p>PROP. CURVE MILWAUKEEAVE_71 PI STA. = 2004+47.69 Δ = 28° 18' 19" (LT) D = 188° 45' 12" R = 30.35' T = 7.65' L = 15.00' E = 0.95' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA = 2004+40.03 P.T. STA = 2004+55.03</p>	<p>PROP. CURVE MILWAUKEEAVE_72 PI STA. = 2004+69.31 Δ = 49° 40' 30" (LT) D = 185° 41' 42" R = 30.85' T = 14.28' L = 26.75' E = 3.14' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA = 2004+55.03 P.T. STA = 2004+81.78</p>	<p>PROP. CURVE MILWAUKEEAVE_75 PI STA. = 2005+58.94 Δ = 38° 18' 15" (LT) D = 196° 55' 34" R = 29.10' T = 10.10' L = 19.45' E = 1.70' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA = 2005+48.83 P.T. STA = 2005+68.29</p>
<p>PROP. CURVE MILWAUKEEAVE_90 PI STA. = 2007+72.41 Δ = 7° 33' 47" (RT) D = 19° 37' 19" R = 292.00' T = 19.30' L = 38.54' E = 0.64' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA = 2007+53.11 P.T. STA = 2007+91.65</p>	<p>PROP. CURVE MILWAUKEEAVE_93 PI STA. = 2008+31.08 Δ = 17° 31' 40" R = 326.89' T = 22.01' L = 43.96' E = 0.74' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA = 2008+09.07 P.T. STA = 2008+53.02</p>	<p>PROP. CURVE MILWAUKEEAV_105 PI STA. = 3021+42.37 Δ = 63° 55' 32" (RT) D = 1492° 36' 39" R = 3.84' T = 2.40' L = 4.28' E = 0.69' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA = 3021+39.97 P.T. STA = 3021+44.25</p>	<p>PROP. CURVE MILWAUKEEAV_108 PI STA. = 3021+71.90 Δ = 70° 53' 48" (RT) D = 1192° 51' 35" R = 4.80' T = 3.42' L = 5.94' E = 1.09' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA = 3021+68.48 P.T. STA = 3021+74.43</p>	<p>PROP. CURVE MILWAUKEEAV_122 PI STA. = 2011+88.32 Δ = 17° 35' 31" (LT) D = 139° 46' 54" R = 40.99' T = 6.34' L = 12.59' E = 0.49' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA = 2011+81.97 P.T. STA = 2011+94.56</p>	<p>PROP. CURVE MILWAUKEEAV_125 PI STA. = 2012+82.35 Δ = 50° 00' 25" (LT) D = 157° 15' 56" R = 36.43' T = 16.99' L = 31.80' E = 3.77' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA = 2012+65.36 P.T. STA = 2012+97.16</p>	<p>PROP. CURVE MILWAUKEEAV_131 PI STA. = 3024+28.38 Δ = 10° 27' 27" (RT) D = 72° 29' 50" R = 79.03' T = 7.23' L = 14.42' E = 0.33' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA = 3024+21.15 P.T. STA = 3024+35.57</p>	<p>PROP. CURVE MILWAUKEEAV_156 PI STA. = 2017+81.88 Δ = 0° 09' 20" (RT) D = 0° 18' 42" R = 18,383.92' T = 24.97' L = 49.95' E = 0.02' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA = 2017+56.91 P.T. STA = 2018+06.85</p>	<p>PROP. CURVE MILWAUKEEAV_159 PI STA. = 2018+46.83 Δ = 0° 53' 04" (LT) D = 1° 46' 14" R = 3,235.84' T = 24.97' L = 49.95' E = 0.10' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA = 2018+21.85 P.T. STA = 2018+71.80</p>
<p>PROP. CURVE MILWAUKEEAV_162 PI STA. = 2019+11.80 Δ = 0° 00' 15" (RT) D = 0° 00' 15" R = 1,383,635.66' T = 25.00' L = 50.00' E = 0.00' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA = 2018+86.80 P.T. STA = 2019+36.80</p>	<p>PROP. CURVE MILWAUKEEAV_190 PI STA. = 2020+15.58 Δ = 19° 52' 32" (LT) D = 129° 46' 07" R = 44.15' T = 7.74' L = 15.32' E = 0.67' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA = 2020+07.85 P.T. STA = 2020+23.16</p>	<p>PROP. CURVE MILWAUKEEAV_191 PI STA. = 2020+27.60 Δ = 18° 46' 08" (LT) D = 213° 27' 56" R = 26.84' T = 4.44' L = 8.79' E = 0.36' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA = 2020+23.16 P.T. STA = 2020+31.96</p>	<p>PROP. CURVE MILWAUKEEAV_194 PI STA. = 2021+08.89 Δ = 55° 44' 39" (LT) D = 163° 09' 37" R = 35.12' T = 18.57' L = 34.17' E = 4.61' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA = 2020+90.32 P.T. STA = 2021+24.49</p>	<p>PROP. CURVE MILWAUKEEAV_195 PI STA. = 2021+38.67 Δ = 31° 19' 02" (LT) D = 113° 14' 30" R = 50.60' T = 14.18' L = 27.66' E = 1.95' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA = 2021+24.49 P.T. STA = 2021+52.14</p>	<p>PROP. CURVE MILWAUKEEAV_202 PI STA. = 2021+87.59 Δ = 0° 42' 37" (RT) D = 1° 25' 15" R = 4,032.66' T = 25.00' L = 50.00' E = 0.08' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA = 2021+62.59 P.T. STA = 2022+12.59</p>	<p>PROP. CURVE MILWAUKEEAV_205 PI STA. = 2022+52.59 Δ = 0° 01' 39" (LT) D = 0° 03' 18" R = 104,277.75' T = 25.00' L = 50.00' E = 0.00' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA = 2022+27.59 P.T. STA = 2022+77.59</p>	<p>BENCHMARK</p> <p>SOURCE BENCHMARK (#23) VILLAGE OF NILES SURVEY MONUMENT 23 ON THE WESTERLY SIDE OF MILWAUKEE AVENUE, APPROXIMATELY 160 FEET SOUTHEASTERLY OF THE CENTERLINE OF IL. RL. 58 / GOLF ROAD AND 70 FEET SOUTHWESTERLY OF THE CENTERLINE OF MILWAUKEE AVENUE. ELEV: 655.27 (NAVD 88)</p> <p>ALL COORDINATES ARE BASED ON ILLINOIS STATE PLANE COORDINATES EAST ZONE (NAD83-2011) ELEVATIONS ARE BASED UPON THE NAVD 88 DATUM.</p>	

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HRG PROJ CONTACT:
FILE NAME: 200452-SHT-A17B-03.dgn
PEN TABLE: 10/10/2024



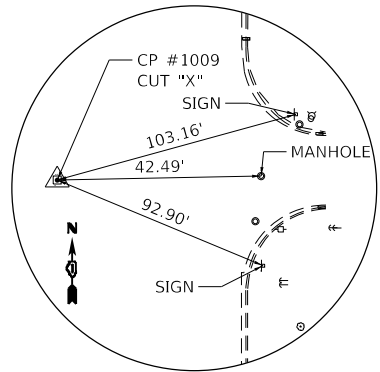
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PLOT SCALE = 250.0000' / in.	CHECKED - BDH	REVISED -
PLOT DATE = 7/9/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

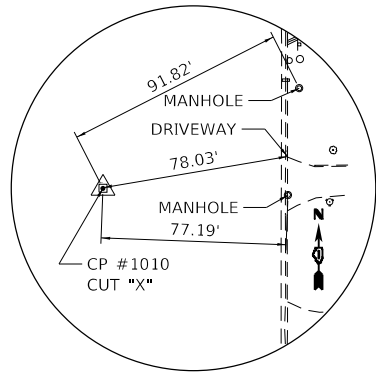
ALIGNMENT TIES AND BENCHMARKS
MILWAUKEE AVENUE

SCALE: SHEET OF SHEETS STA. TO STA.

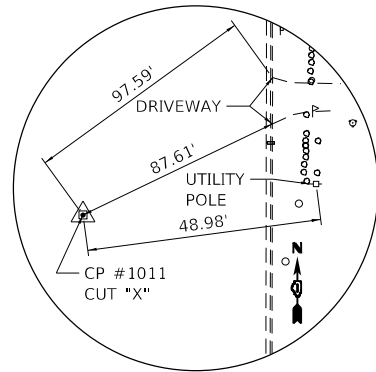
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CONTRACT NO. 61714				
ILLINOIS		FED. AID PROJECT		



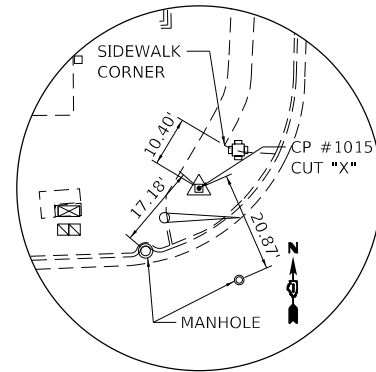
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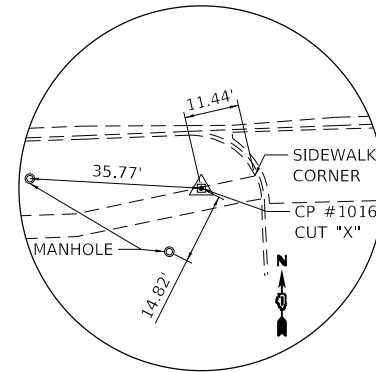
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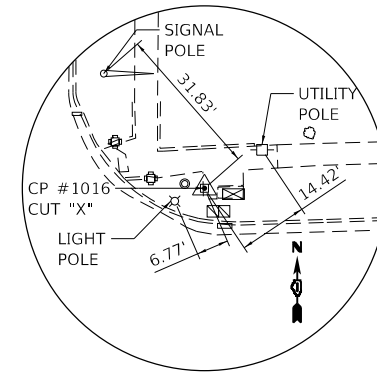
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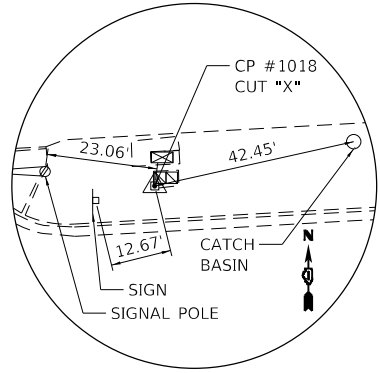
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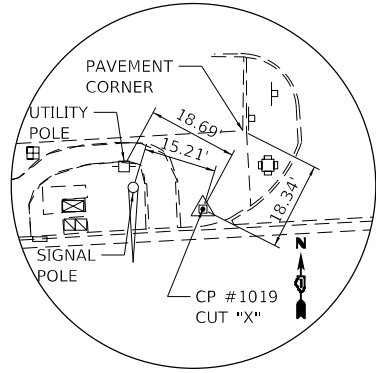
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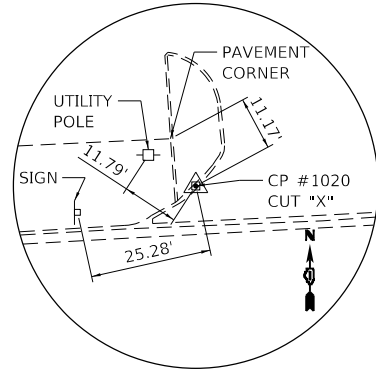
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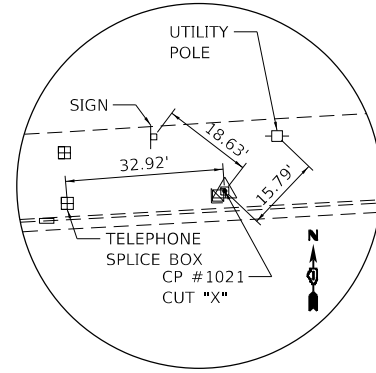
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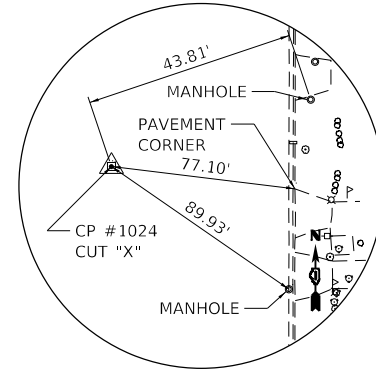
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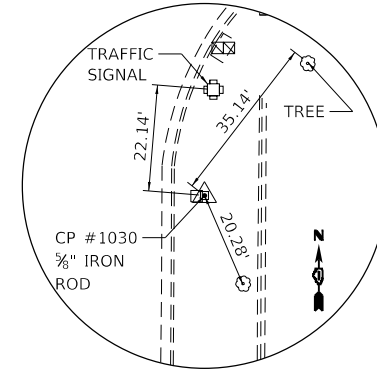
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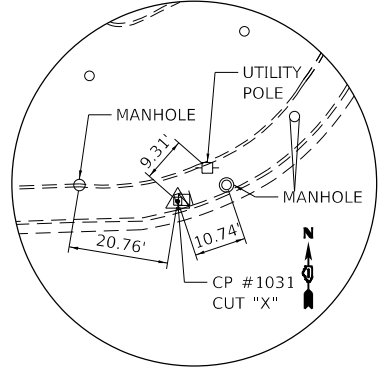
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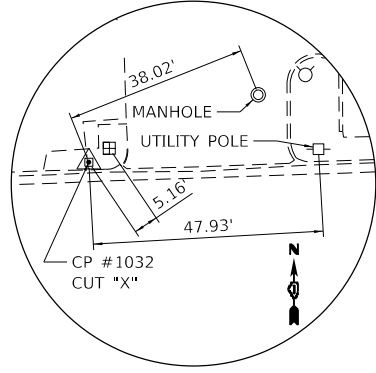
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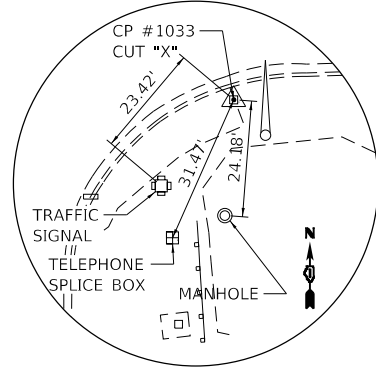
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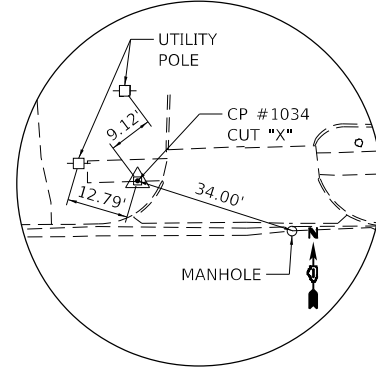
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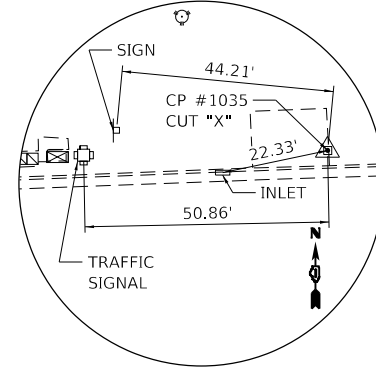
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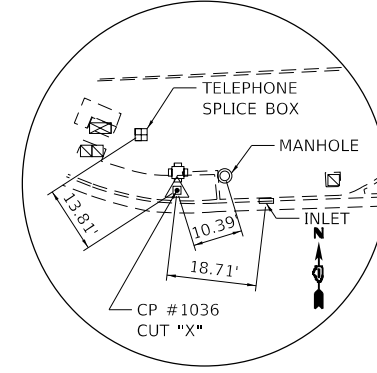
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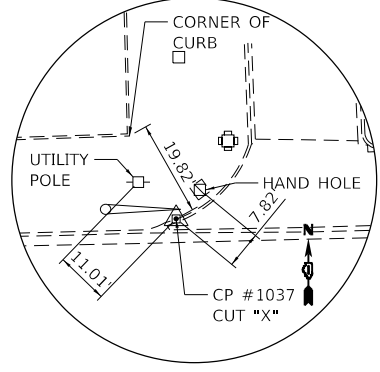
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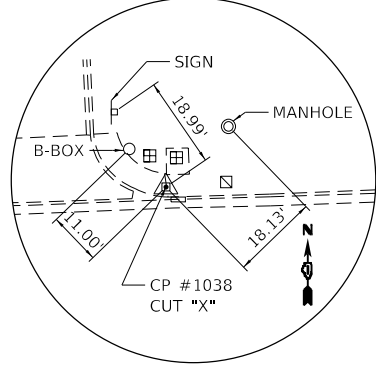
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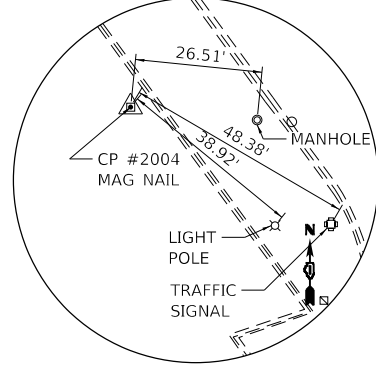
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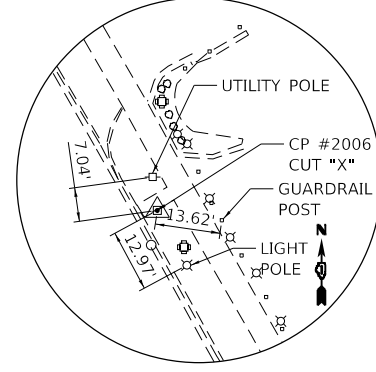
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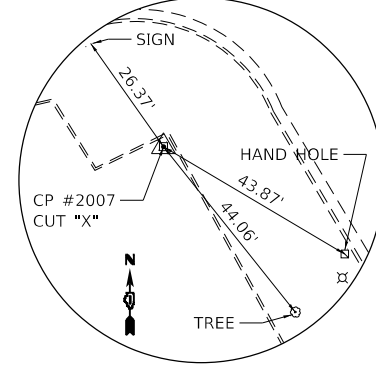
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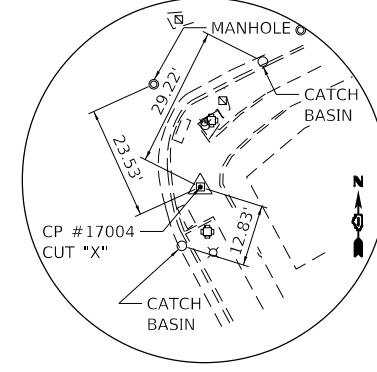
CONTROL POINT #2004
N: 1962308.513
E: 1119063.736



CONTROL POINT #2006
N: 1961561.369
E: 1119707.374



CONTROL POINT #2007
N: 1960894.478
E: 1119951.418



CONTROL POINT #17004
N: 1960524.994
E: 1120269.119

HRG PROJECT NO: 200452
HRG PROJ CONTACT:
FILE NAME: 200452-SHT-A1B-04.dgn
PEN TABLE: penTable.tbl



USER NAME = bhartma
DESIGNED -
DRAWN - W/JH
CHECKED - BDH
DATE -
PLOT SCALE = 40.0000' / in.
PLOT DATE = 7/9/2024

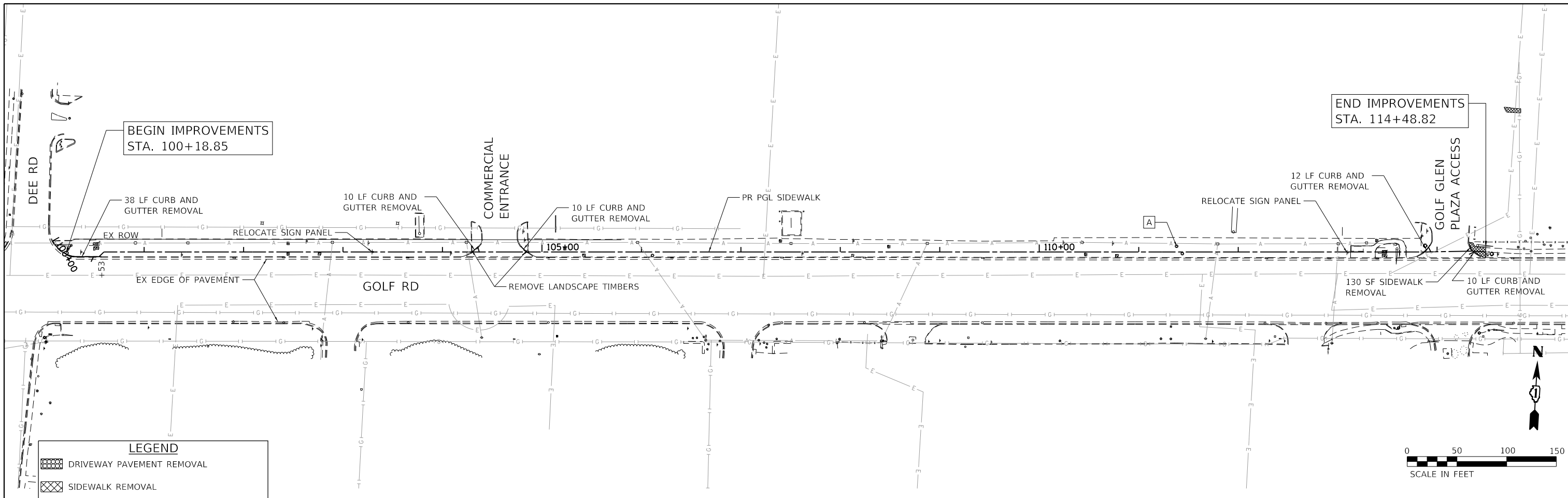
DESIGNED -
DRAWN - W/JH
CHECKED - BDH
DATE -
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT TIES AND BENCHMARKS
CONTROL POINTS

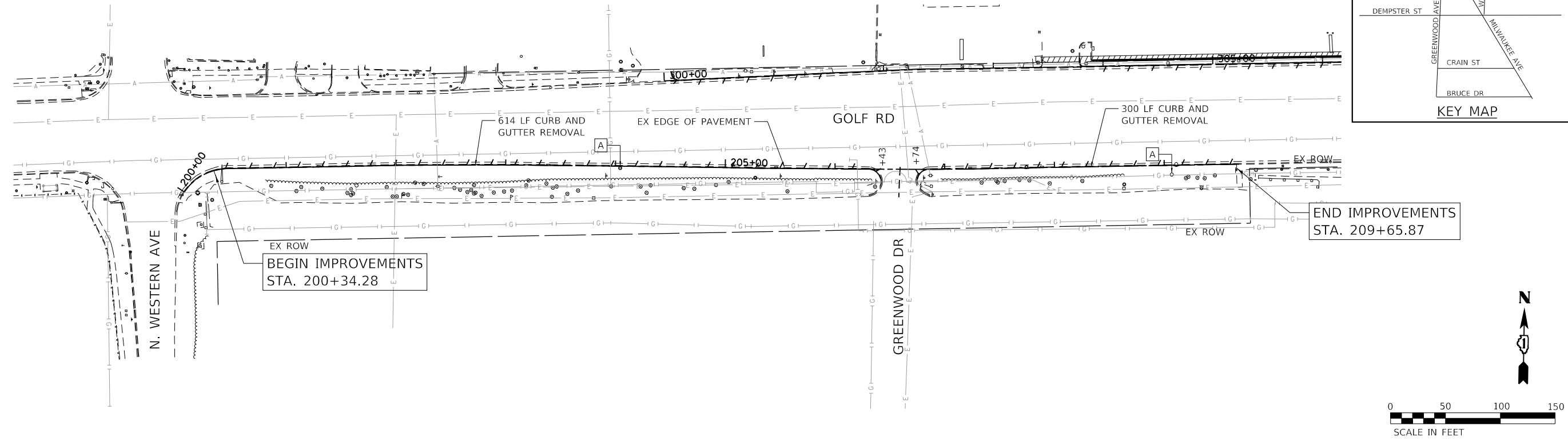
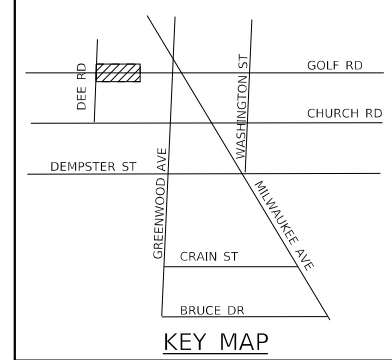
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	16
CONTRACT NO. 61174				
ILLINOIS FED. AID PROJECT				



LEGEND

	DRIVEWAY PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	COMBINATION CURB AND GUTTER REMOVAL
	FRAME & GRATE / FRAME & LID TO BE ADJUSTED
	TREE TRUNK PROTECTION



HRG PROJECT NO: 200452
 HRG PROJ CONTACT:
 FILE NAME: 200452-shr-removal-golf-01.dgn
 PEN TABLE: 10/10/2024.tbl



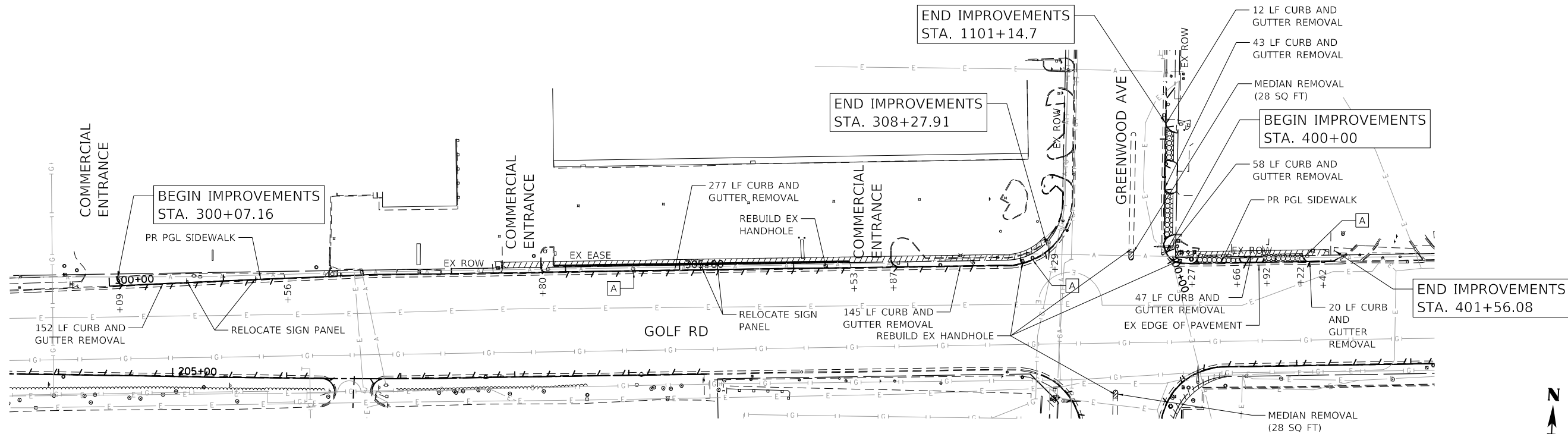
USER NAME = bhartma	DESIGNED - CL	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - WJH	REVISED -
PLOT DATE = 7/9/2024	CHECKED - BDH	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN
GOLF ROAD**

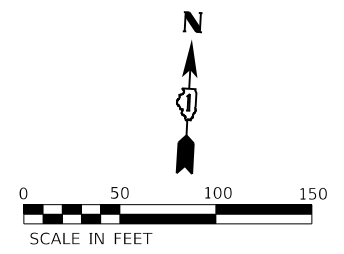
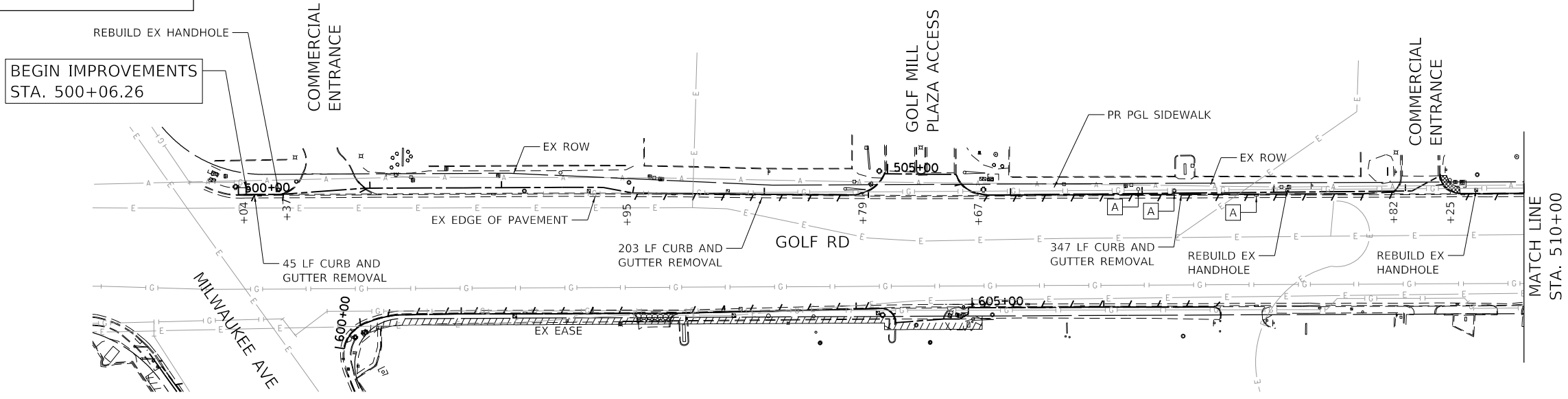
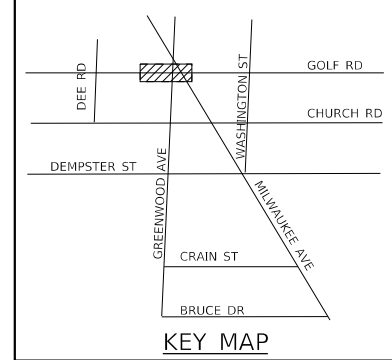
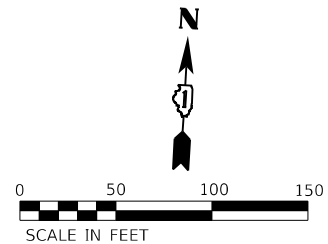
SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	17
			CONTRACT NO. 61174	
ILLINOIS FED. AID PROJECT				



LEGEND

- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- FRAME & GRATE / FRAME & LID TO BE ADJUSTED
- TREE TRUNK PROTECTION



HRG PROJECT NO: 200452
 HRG PROJ CONTACT:
 FILE NAME: 200452-shr-removal-golf-02.dgn
 PEN TABLE: 1/10/2024

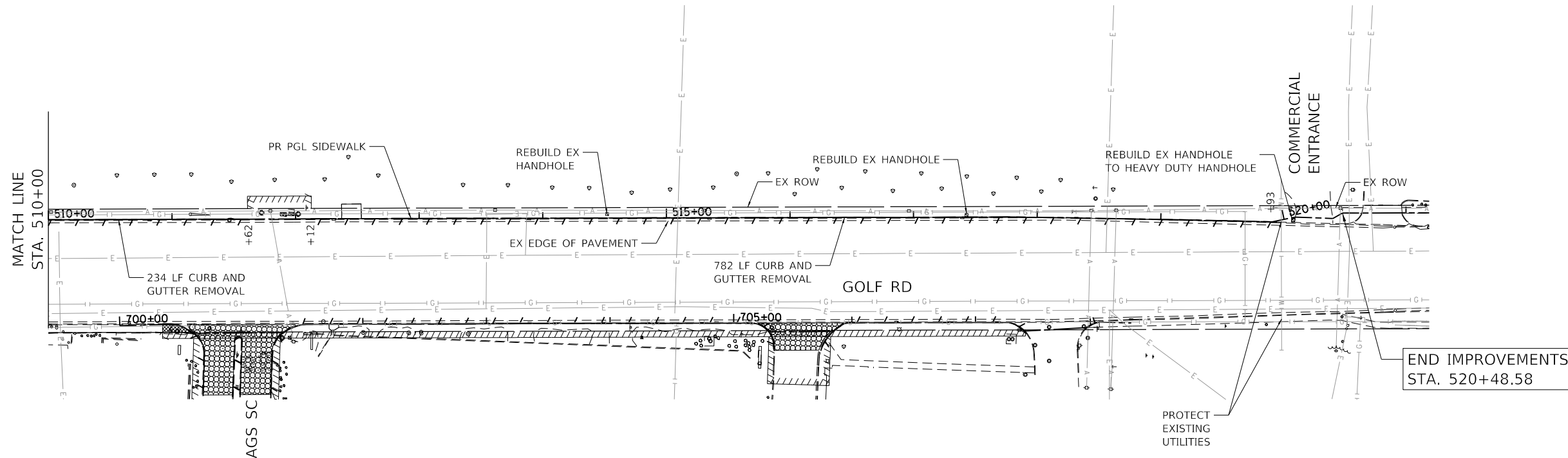


USER NAME = bhartma	DESIGNED - CL	REVISED -
	DRAWN - W/JH	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - BDH	REVISED -
PLOT DATE = 7/9/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

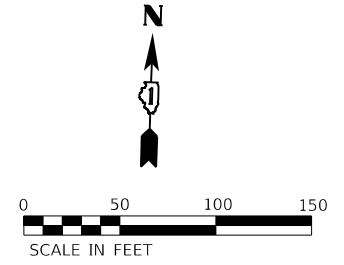
REMOVAL PLAN GOLF ROAD			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	18
			CONTRACT NO. 61174	
		ILLINOIS	FED. AID PROJECT	

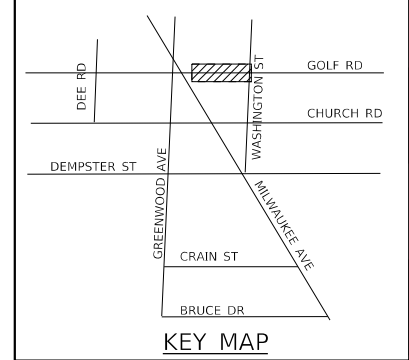
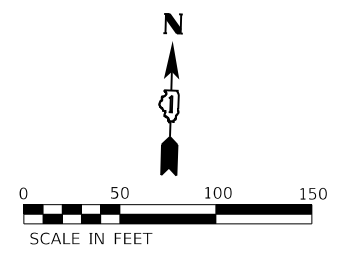
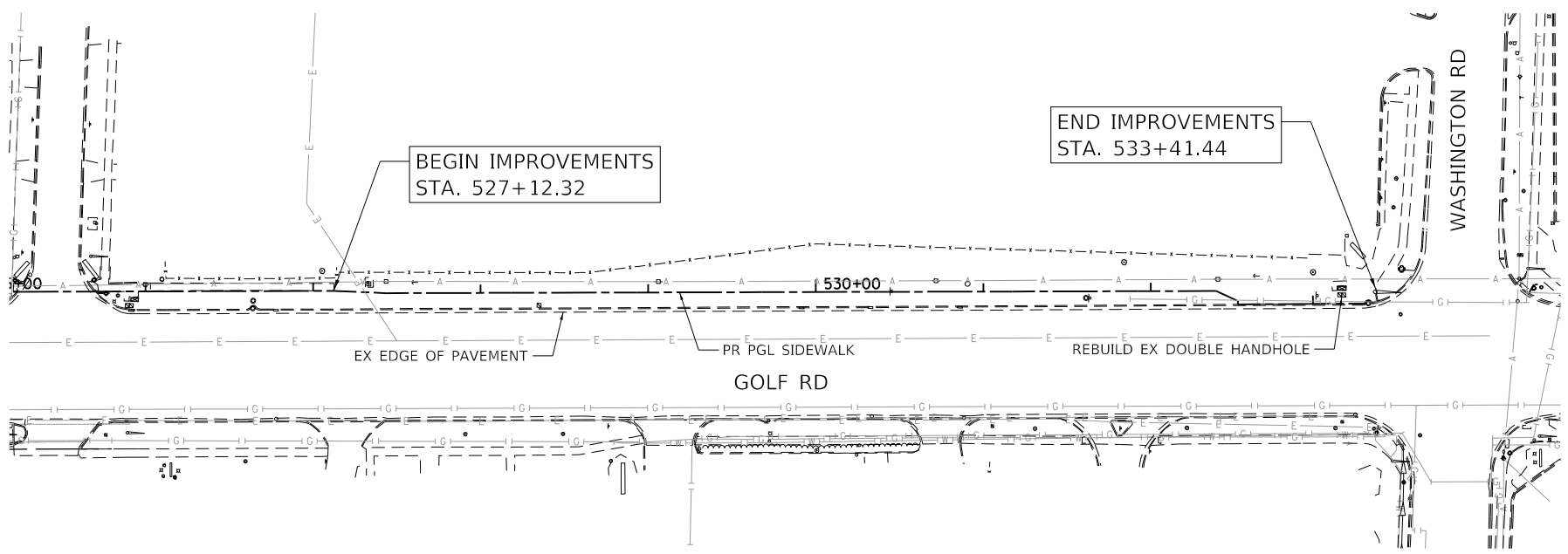


LEGEND

	DRIVEWAY PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	COMBINATION CURB AND GUTTER REMOVAL
	FRAME & GRATE / FRAME & LID TO BE ADJUSTED
	TREE TRUNK PROTECTION



FOUR FLAGS SC



HRG PROJECT NO: 200452
 HRG PROJ CONTACT:
 FILE NAME: 200452-shr-remove-golf-03.dgn
 PEN TABLE: 1/10/2024

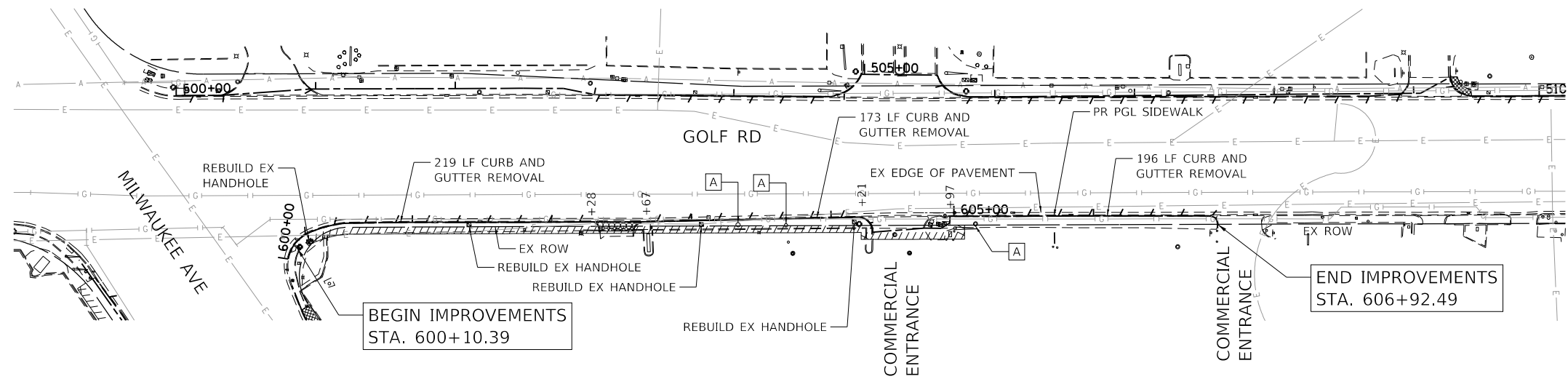


USER NAME = bhartma	DESIGNED - CL	REVISED -
	DRAWN - W/JH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - BDH	REVISED -
PLOT DATE = 7/9/2024	DATE -	REVISED -

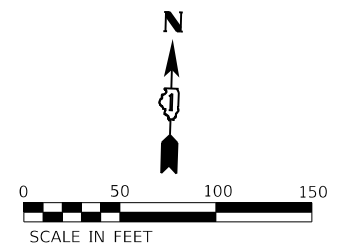
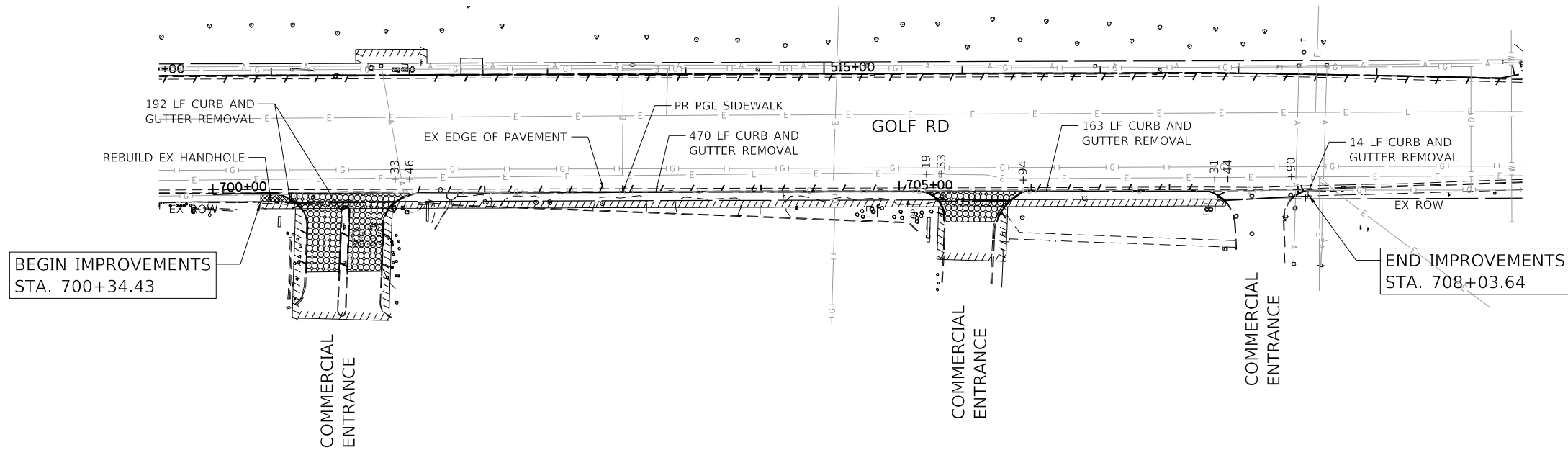
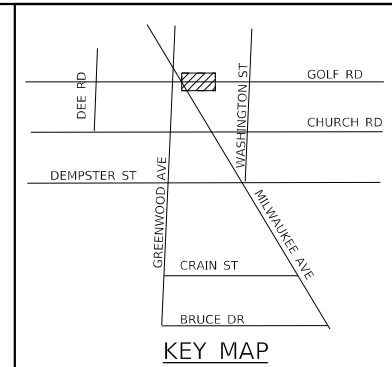
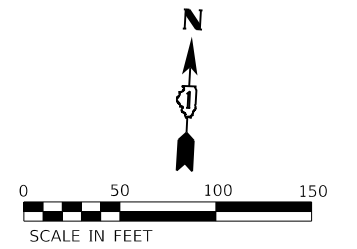
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL PLAN	
GOLF ROAD	
SCALE: 1"=50'	SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	19
CONTRACT NO. 61174			ILLINOIS FED. AID PROJECT	



LEGEND	
	DRIVEWAY PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	COMBINATION CURB AND GUTTER REMOVAL
	FRAME & GRATE / FRAME & LID TO BE ADJUSTED
	TREE TRUNK PROTECTION



HRG PROJECT NO: 200452
 HRG PROJ CONTACT:
 FILE NAME: 200452-shr-removal-golf-04.dgn
 PEN TABLE: 1/10/2024



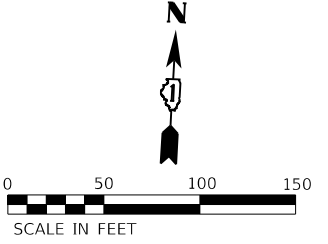
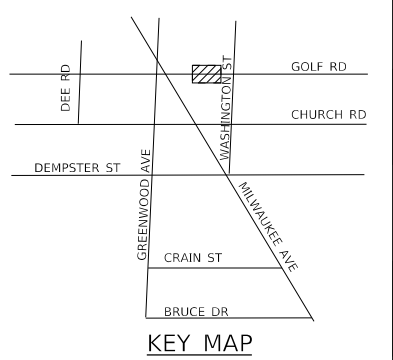
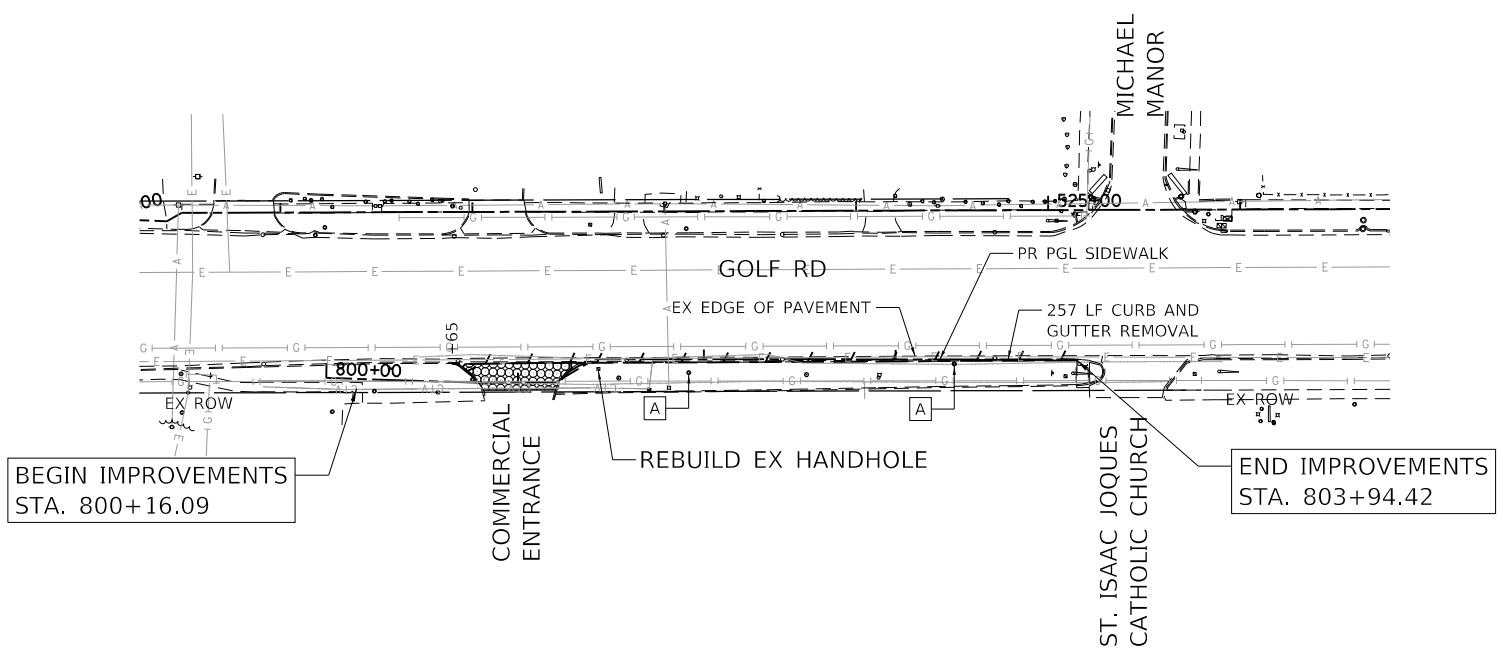
USER NAME = bhartma	DESIGNED - CL	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - W/JH	REVISED -
PLOT DATE = 7/9/2024	CHECKED - BDH	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN
GOLF ROAD**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	20
CONTRACT NO. 61174				
ILLINOIS FED. AID PROJECT				



LEGEND

- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- FRAME & GRATE / FRAME & LID TO BE ADJUSTED
- TREE TRUNK PROTECTION

HRG PROJECT NO: 200452
 HRG PROJ CONTACT:
 FILE NAME: 200452-shr-removal-golf-05.dgn
 PLOT DATE: 7/9/2024
 PEN TABLE: plotTable.tbl

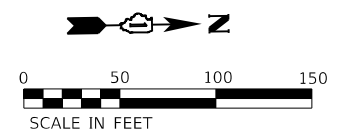
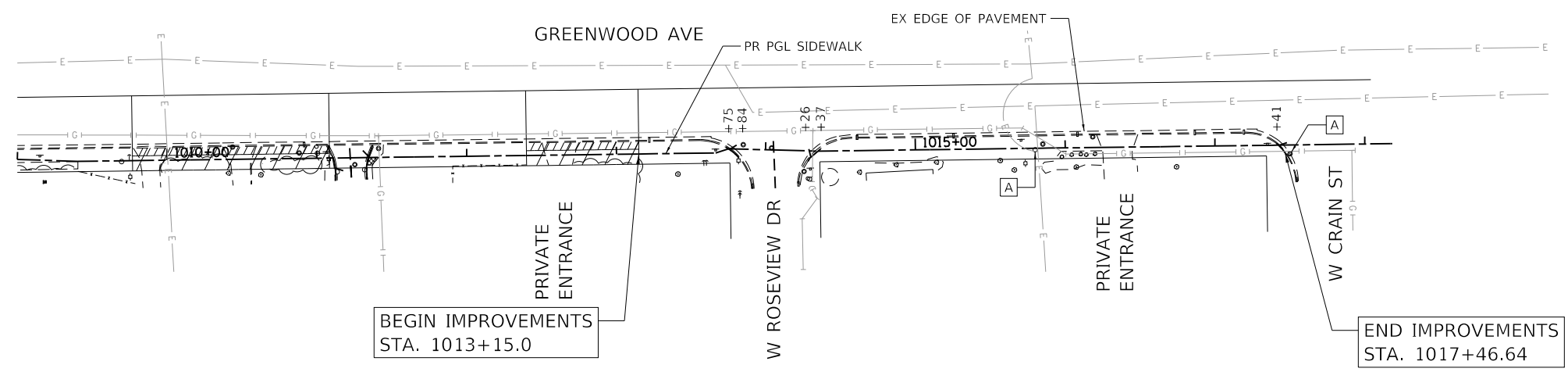
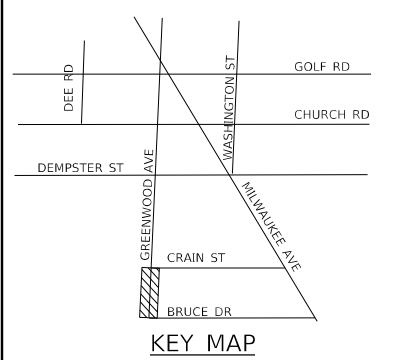


USER NAME = bhartma	DESIGNED - CL	REVISED -
	DRAWN - WJH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - BDH	REVISED -
PLOT DATE = 7/9/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL PLAN GOLF ROAD			
SCALE: 1"=50'	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	21
			CONTRACT NO. 61174	
		ILLINOIS	FED. AID PROJECT	



LEGEND

- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- FRAME & GRATE / FRAME & LID TO BE ADJUSTED
- TREE TRUNK PROTECTION

HRG PROJECT NO: 200452
 HRG PROJ CONTACT:
 FILE NAME: 200452-shr-removal-grnw-01.dgn
 PEN TABLE: 1/10/2024



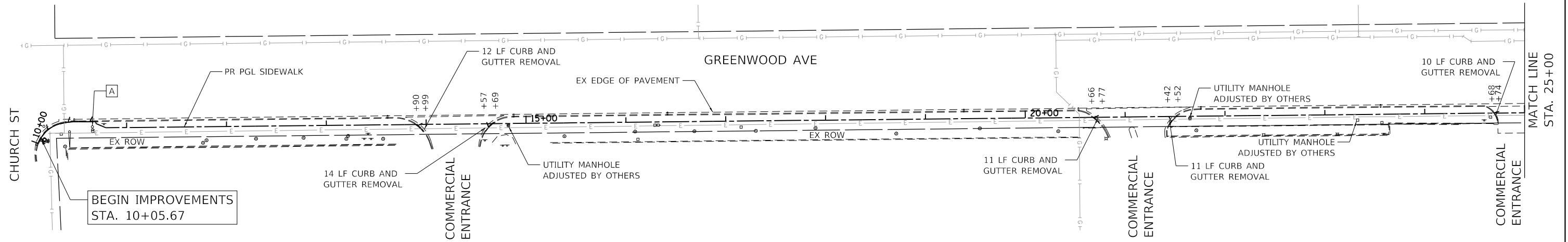
USER NAME = bhartma	DESIGNED - CL	REVISED -
	DRAWN - W/JH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - BDH	REVISED -
PLOT DATE = 7/9/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

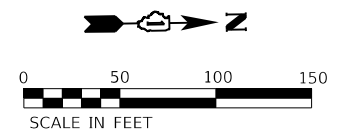
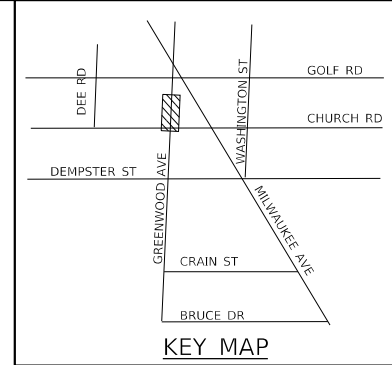
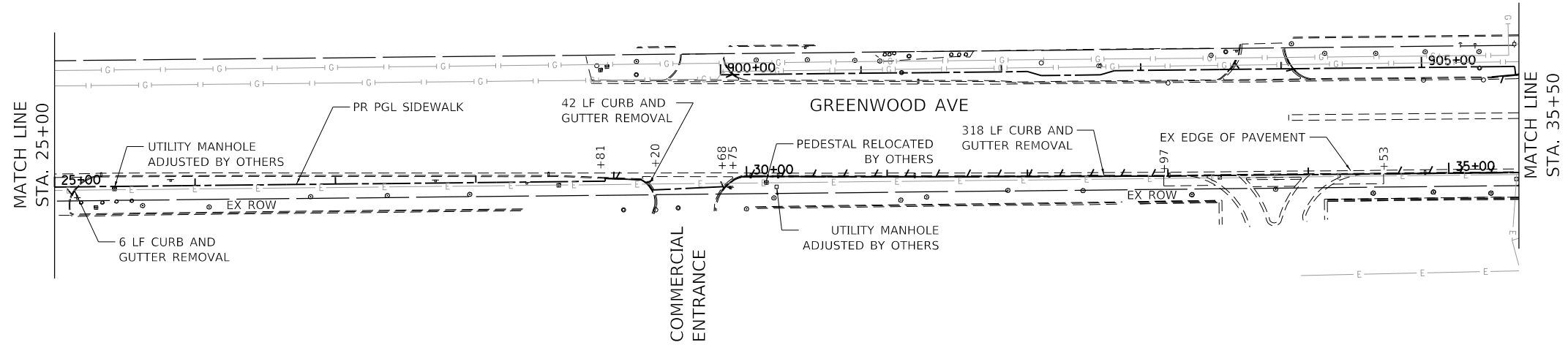
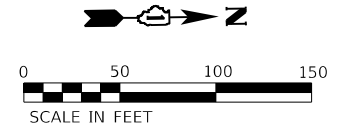
**REMOVAL PLAN
GREENWOOD AVENUE**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	22
CONTRACT NO.			61174	
ILLINOIS FED. AID PROJECT				



LEGEND	
	DRIVEWAY PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	COMBINATION CURB AND GUTTER REMOVAL
	FRAME & GRATE / FRAME & LID TO BE ADJUSTED
	TREE TRUNK PROTECTION



HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-shr-removal-grnw-02.dgn
 PEN TABLE: 1/10/2024



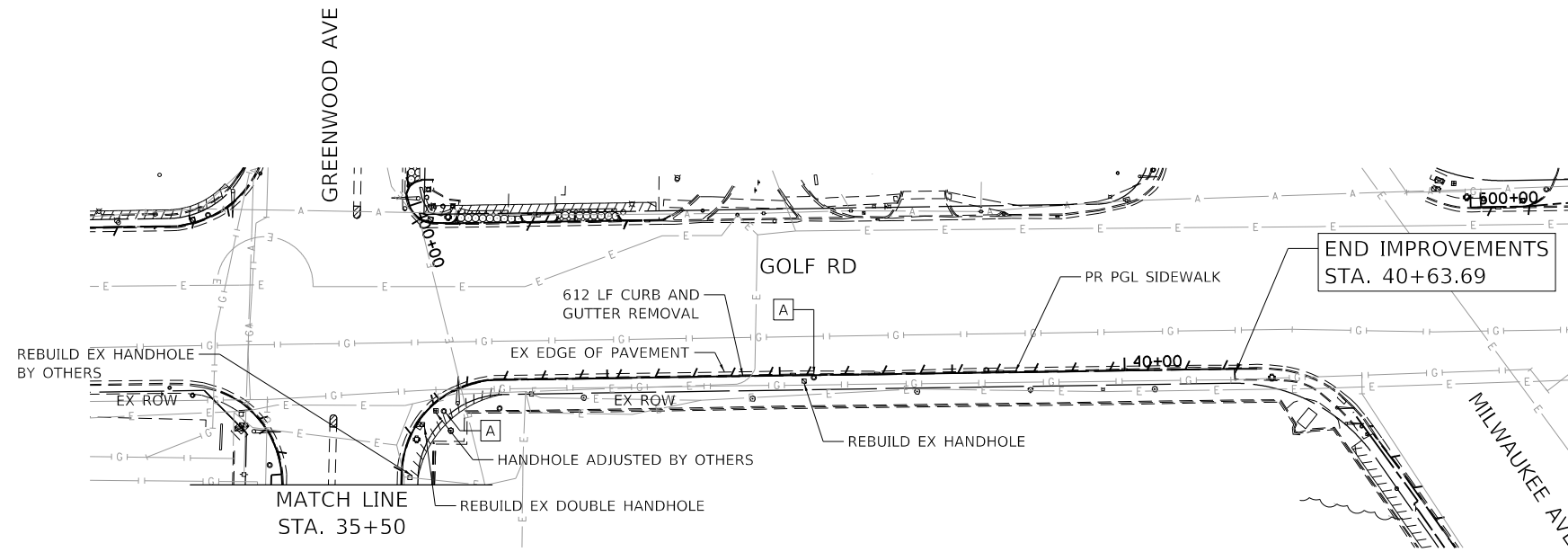
USER NAME = bhartma	DESIGNED - CL	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - WJH	REVISED -
PLOT DATE = 7/9/2024	CHECKED - BDH	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

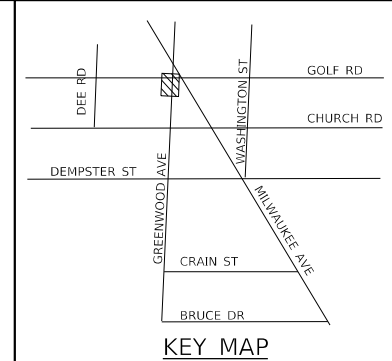
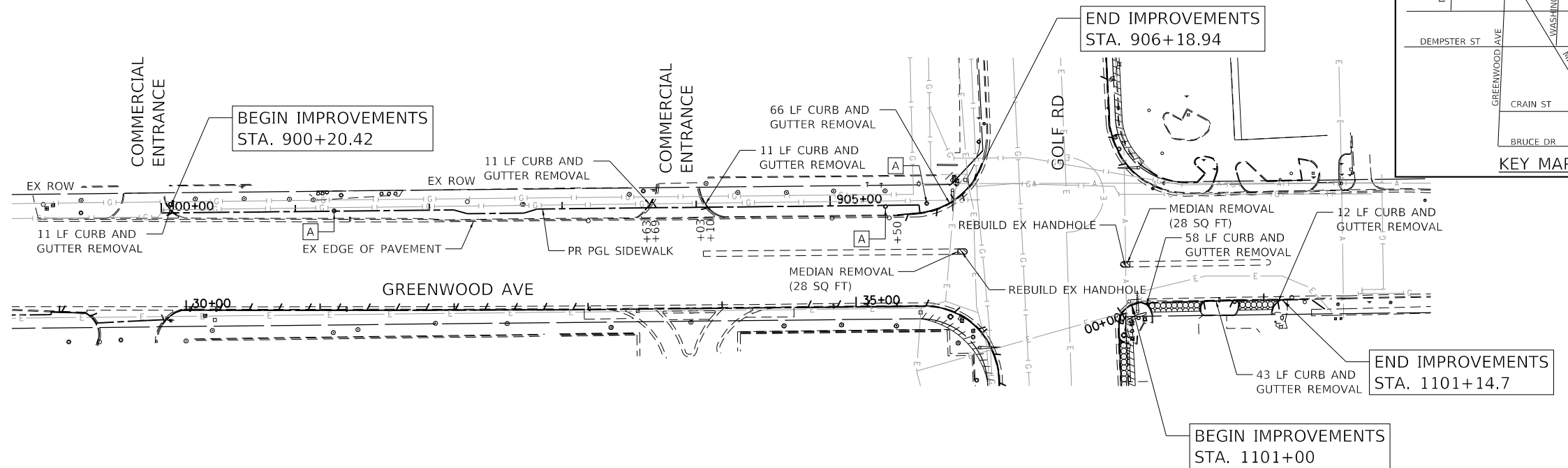
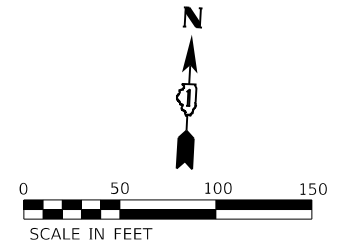
**REMOVAL PLAN
GREENWOOD AVENUE**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	23
			CONTRACT NO. 61174	
ILLINOIS FED. AID PROJECT				



LEGEND	
	DRIVEWAY PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	COMBINATION CURB AND GUTTER REMOVAL
	FRAME & GRATE / FRAME & LID TO BE ADJUSTED
	TREE TRUNK PROTECTION



HRG PROJECT NO: 200452
 HRG PROJ CONTACT:
 FILE NAME: 200452-shr-removal-grnw-03.dgn
 PEN TABLE: 1/10/2024

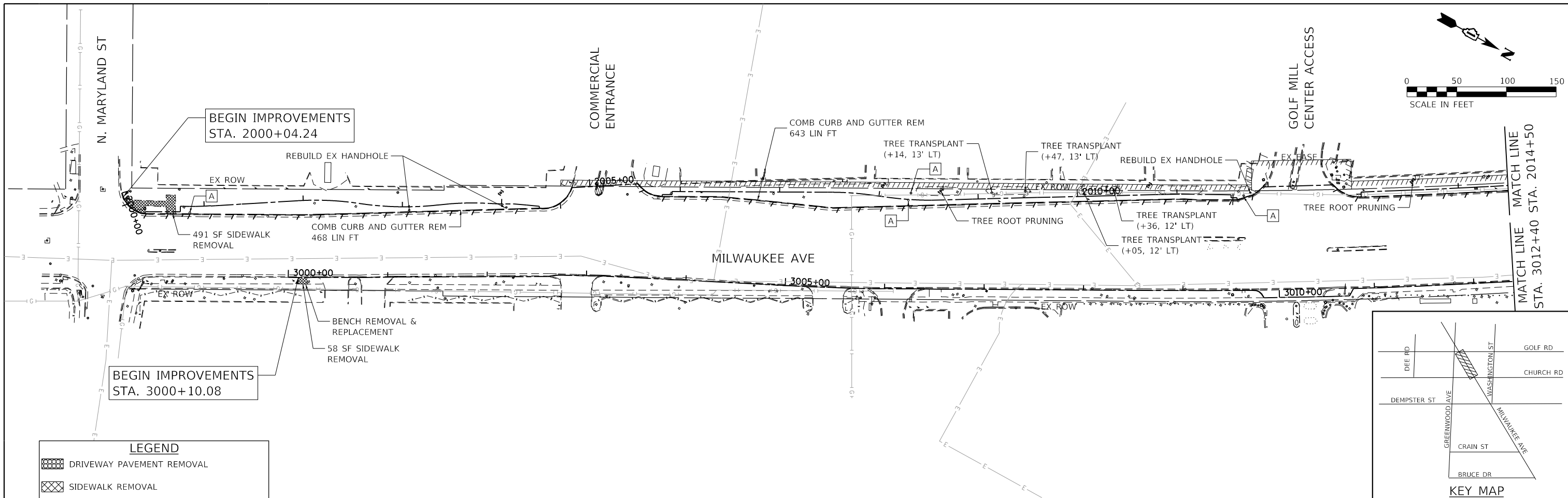


USER NAME = bhartma	DESIGNED - CL	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - W/JH	REVISED -
PLOT DATE = 7/9/2024	CHECKED - BDH	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

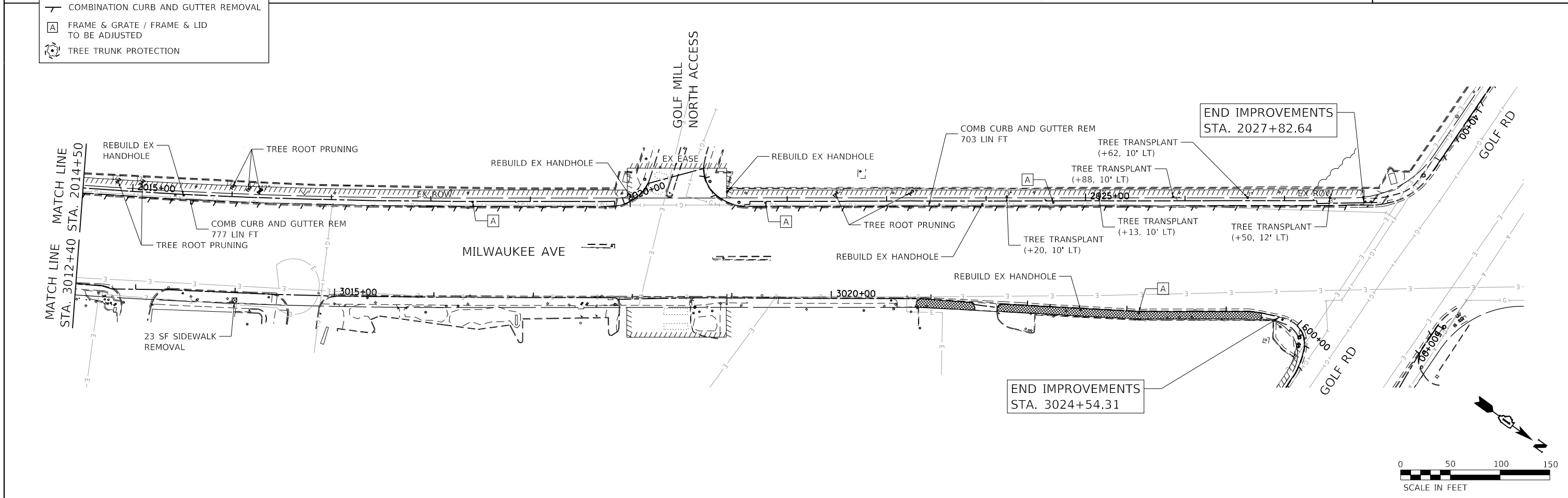
REMOVAL PLAN GREENWOOD AVENUE			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	24
				CONTRACT NO. 61174
ILLINOIS FED. AID PROJECT				



LEGEND

- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- FRAME & GRATE / FRAME & LID TO BE ADJUSTED
- TREE TRUNK PROTECTION



HRG PROJECT NO: 200452
 HRG PROJ CONTACT:
 FILE NAME: 200452-shr-removal-mil-01.dgn
 PEN TABLE: 10/10/2024



USER NAME = bhartma	DESIGNED - CL	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - W/JH	REVISED -
PLOT DATE = 7/9/2024	CHECKED - BDH	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

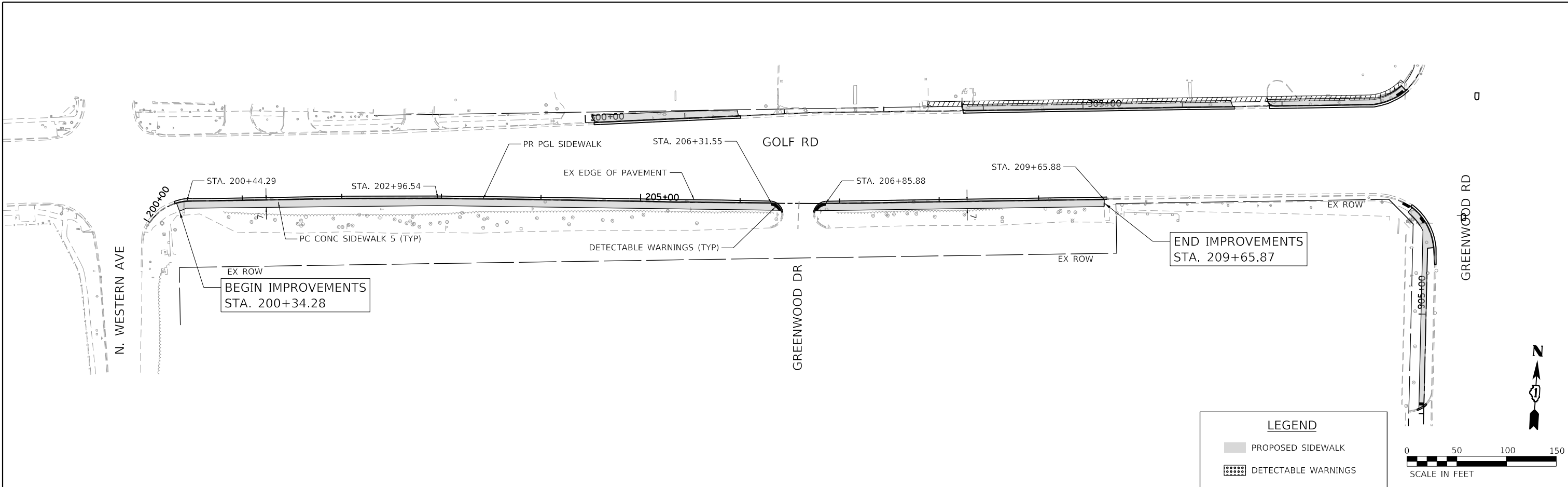
SCALE: 1"=50'	SHEET	OF	SHEETS	STA.	TO	STA.
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**REMOVAL PLAN
MILWAUKEE AVENUE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	25
CONTRACT NO. 61174				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	ALIGNMENT CHECKED		
	EXISTING UTILITIES MARKED		
	ROAD FILE NAME		

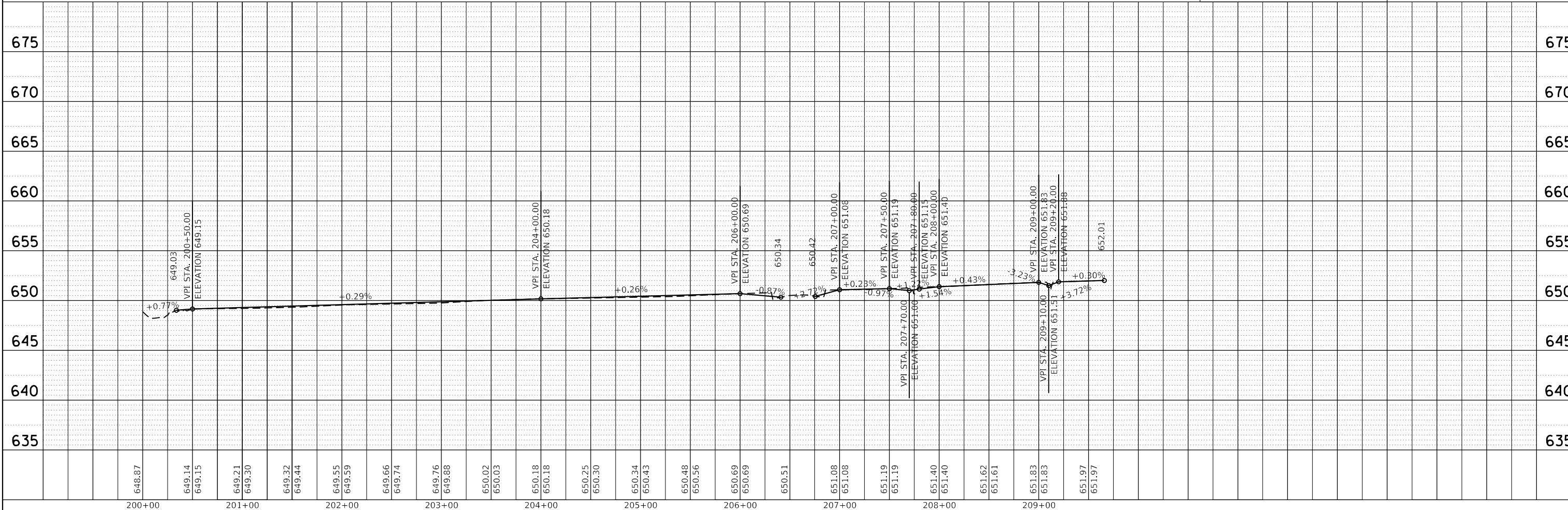
PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		



LEGEND

- PROPOSED SIDEWALK
- DETECTABLE WARNINGS

0 50 100 150
SCALE IN FEET



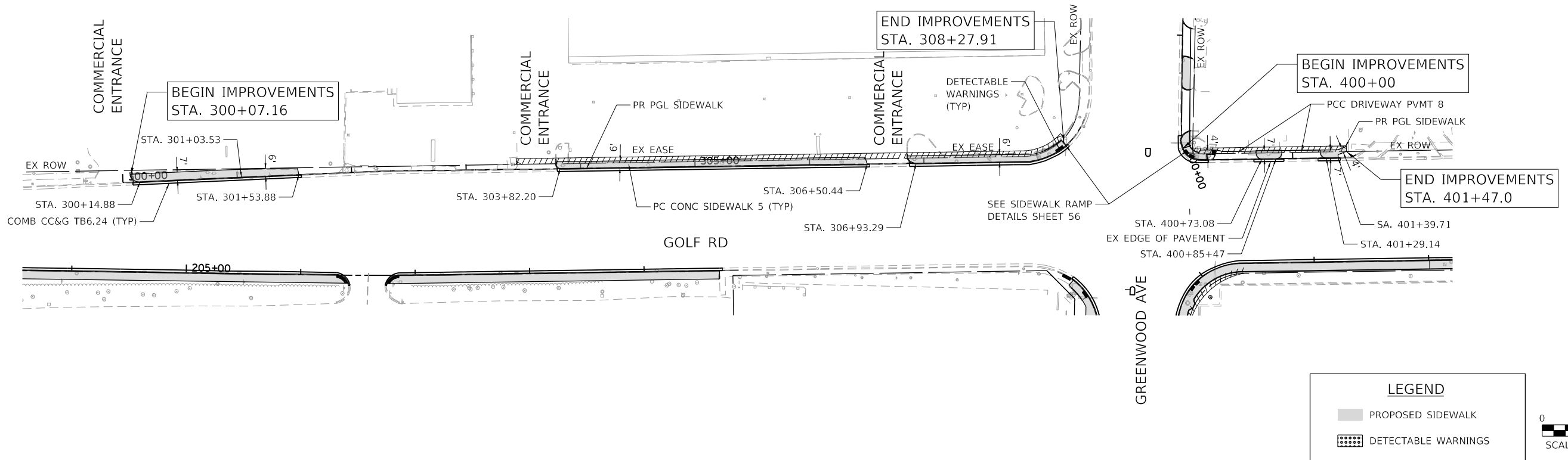
HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT: [Name]
 FILE NAME: 200452-sht-p/par-f-golf-02.dgn
 PEN TABLE: [Name]

	USER NAME = bhartma	DESIGNED - CL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE GOLF ROAD		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 100.0000' / in.	CHECKED - BDH	REVISED -		SCALE: 1"=50'	SHEET 2 OF 9 SHEETS	STA. 200+00 TO STA. 209+65.88	VAR.	18-00131-00-SW	COOK	146	27
	PLOT DATE = 7/9/2024	DATE -	REVISED -							CONTRACT NO. 61174		
											ILLINOIS	FED. AID PROJECT

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES		
	CHECKED		
	FILED		
	NO.		

HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-shr-pwr-f-golf-03.dgn
 PEN TABLE: pwr.tbl



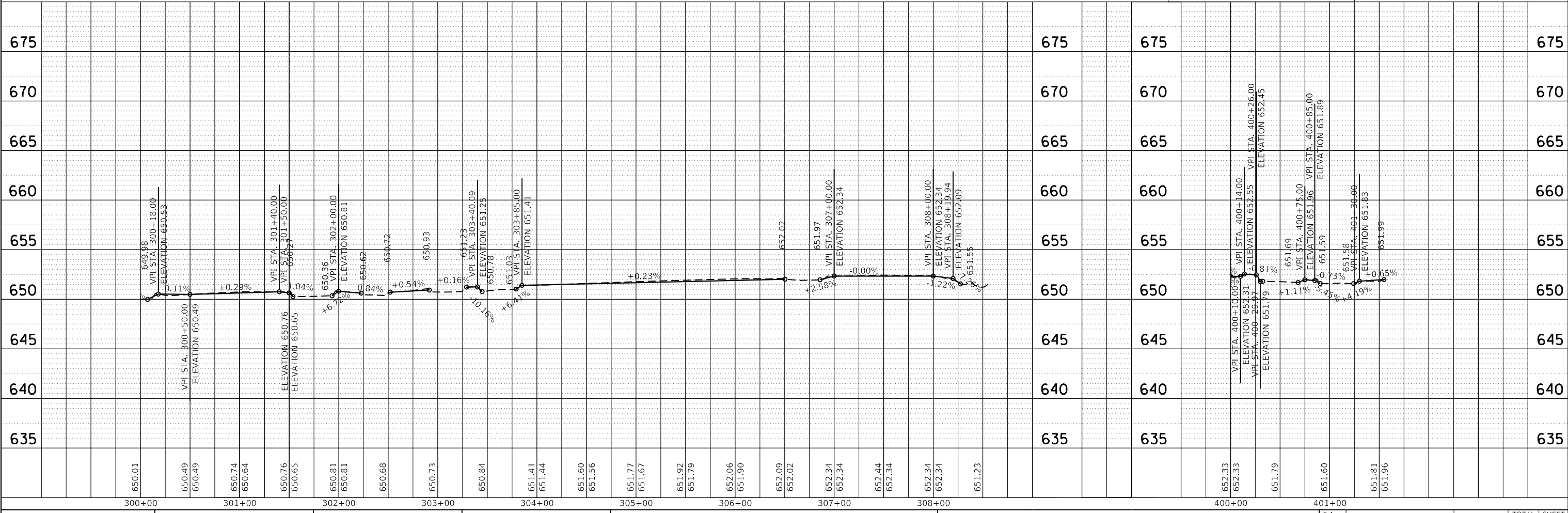
LEGEND

█ PROPOSED SIDEWALK

▒ DETECTABLE WARNINGS

0 50 100 150
SCALE IN FEET

N

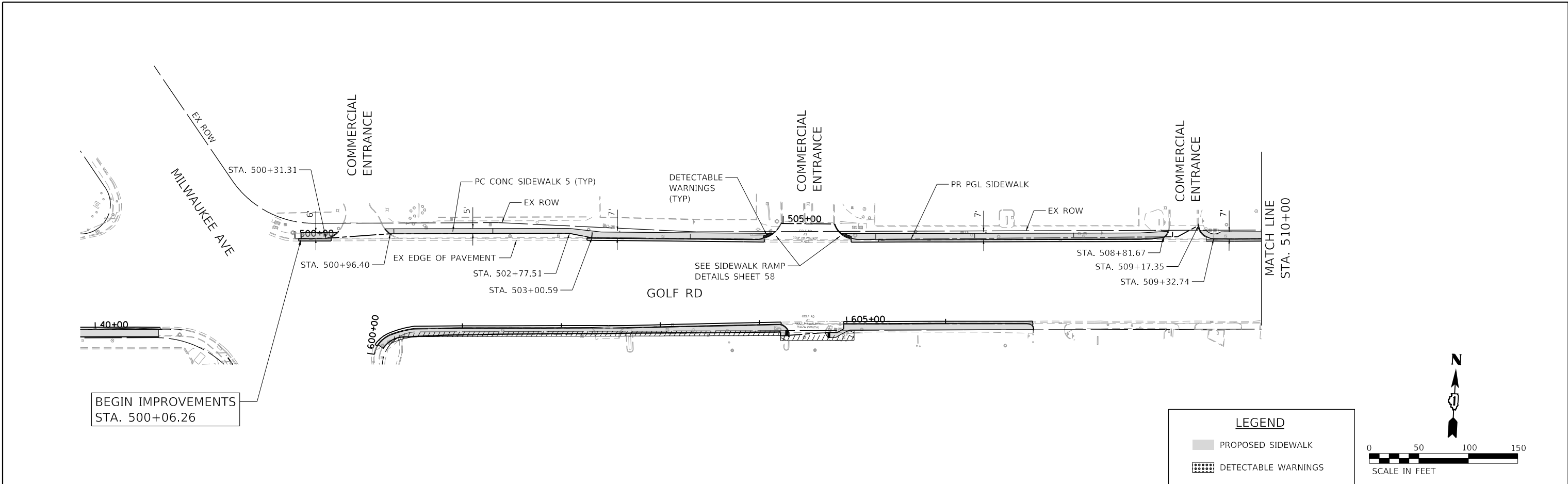


HRGreen.com Illinois Professional Design Firm # 184-001322		USER NAME = bhartma	DESIGNED - CL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PLAN AND PROFILE GOLF ROAD SCALE: 1"=50' SHEET 3 OF 9 SHEETS STA. 300+07.16 TO STA. 401+56.20	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HRGreen.com		PLOT SCALE = 100.0000' / in.	DRAWN - WJH	REVISED -		VAR.	18-00131-00-SW	COOK	146	28	
		PLOT DATE = 7/9/2024	CHECKED - BDH	REVISED -		CONTRACT NO. 61174					
			DATE -	REVISED -		ILLINOIS / FED. AID PROJECT					

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

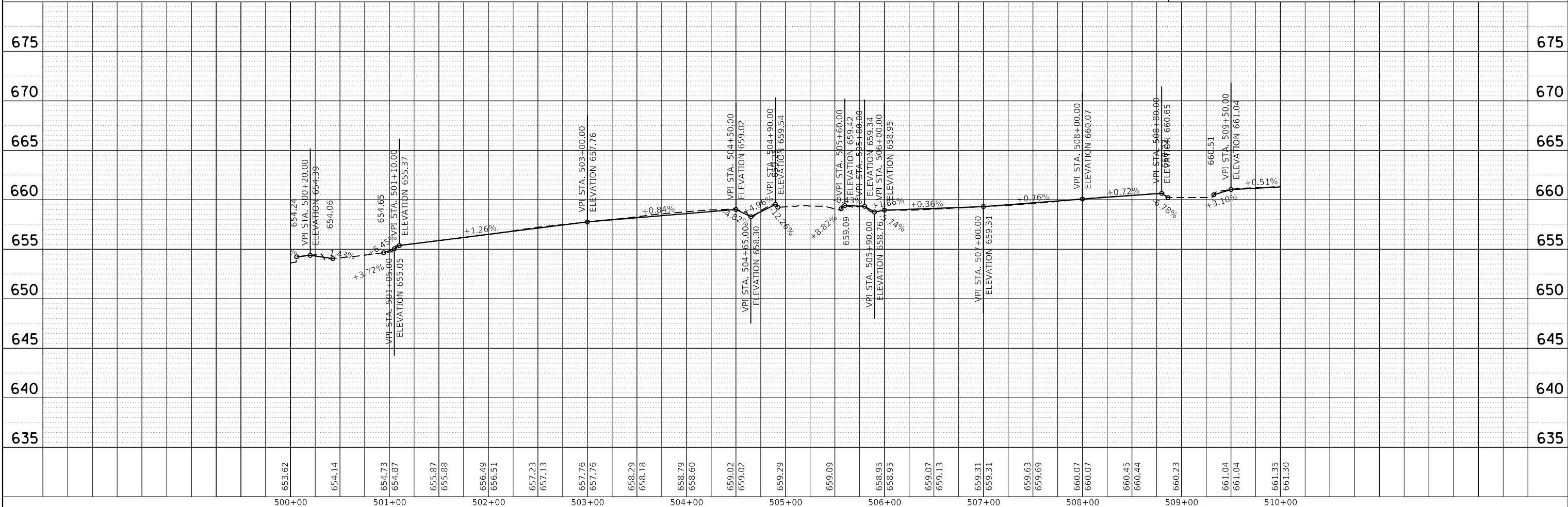
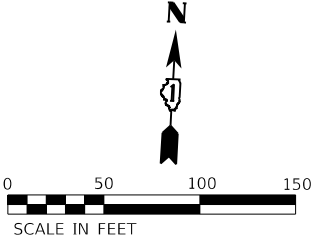
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS OK'D		
	NO. _____		
	FILE NAME _____		

HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-SHT-PLAN-GOLF-04.dgn
 PEN TABLE: p101table.tbl



LEGEND

- PROPOSED SIDEWALK
- DETECTABLE WARNINGS



653.62	654.14	654.73	654.87	655.87	655.88	656.49	656.51	657.23	657.13	657.76	657.76	658.29	658.18	658.79	658.60	659.02	659.02	659.29	659.09	659.09	659.31	659.31	659.63	659.69	660.07	660.07	660.45	660.44	660.23	661.04	661.04	661.35	661.30		
500+00	501+00	502+00	503+00	504+00	505+00	506+00	507+00	508+00	509+00	510+00																									

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 Illinois Professional Design Firm
 #184-001322

USER NAME = bhartma	DESIGNED - CL	REVISED -
	DRAWN - WJH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - BDH	REVISED -
PLOT DATE = 7/9/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE
 GOLF ROAD**

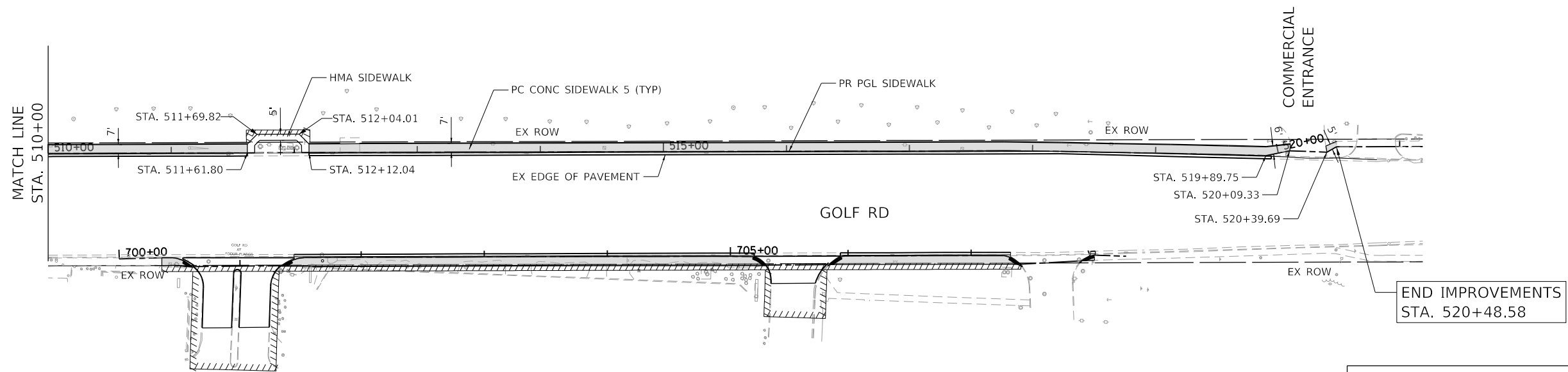
SCALE: 1"=50' SHEET 4 OF 9 SHEETS STA. 500+06.34 TO STA. 510+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	29
CONTRACT NO. 61174			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	BY	
	NO. _____	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	BY	
	NO. _____	

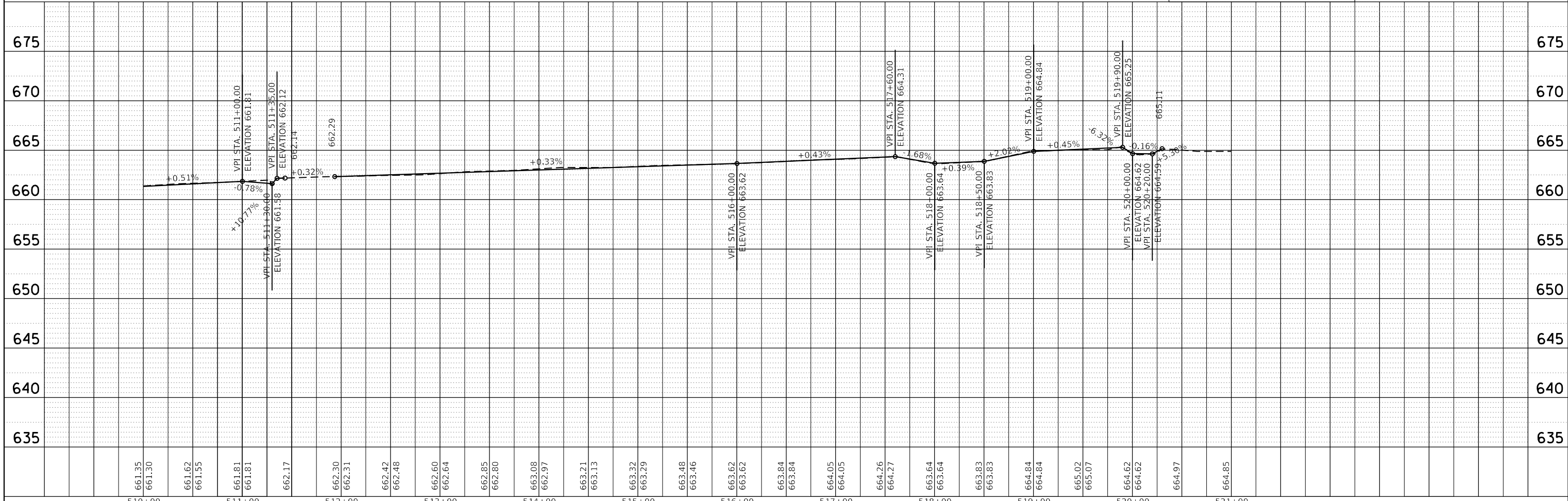
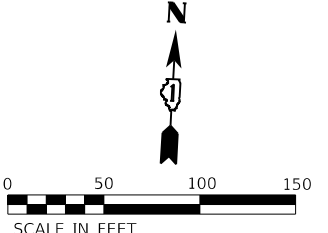
HRG PROJECT NO. 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-shr-1-p100-f-041-05.dgn
 PEN TABLE: p100tbl.dtl



LEGEND

PROPOSED SIDEWALK

DETECTABLE WARNINGS

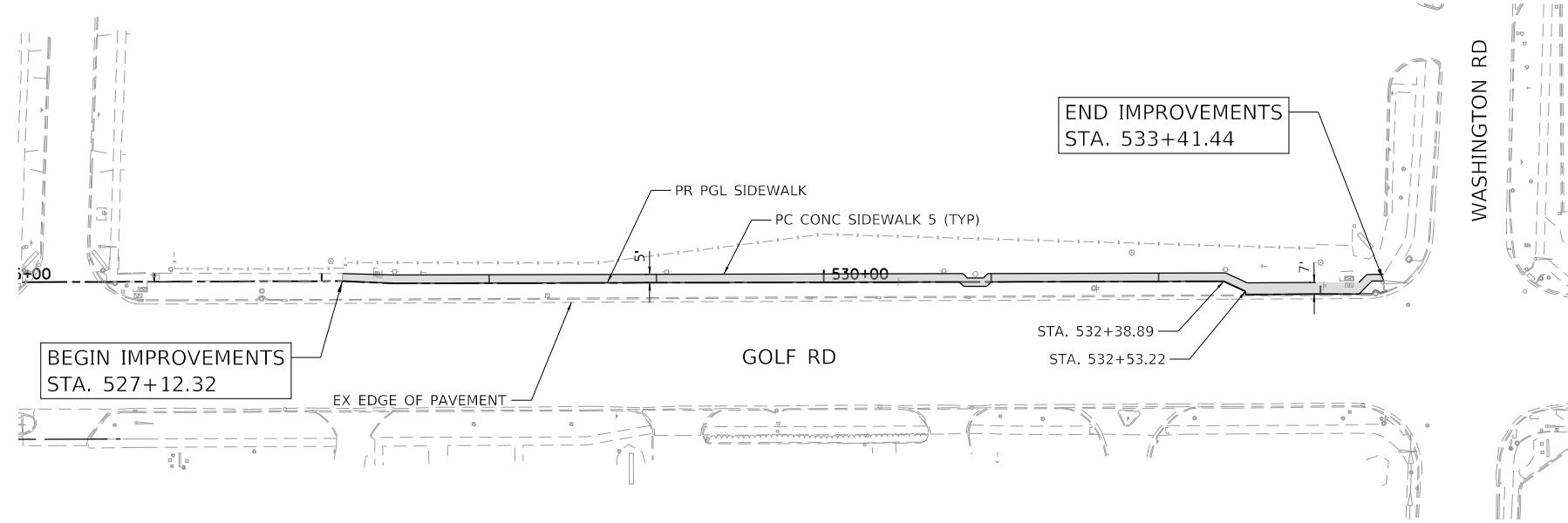


	HRGreen.com <small>Illinois Professional Design Firm # 184-001322</small>	USER NAME = bhartma DESIGNED - CL DRAWN - WJH CHECKED - BDH DATE - 7/9/2024	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE GOLF ROAD	F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. VAR. 18-00131-00-SW COOK 146 30 CONTRACT NO. 61174
				SCALE: 1"=50'	SHEET 5 OF 9 SHEETS	STA. 510+00 TO STA. 520+29.84

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

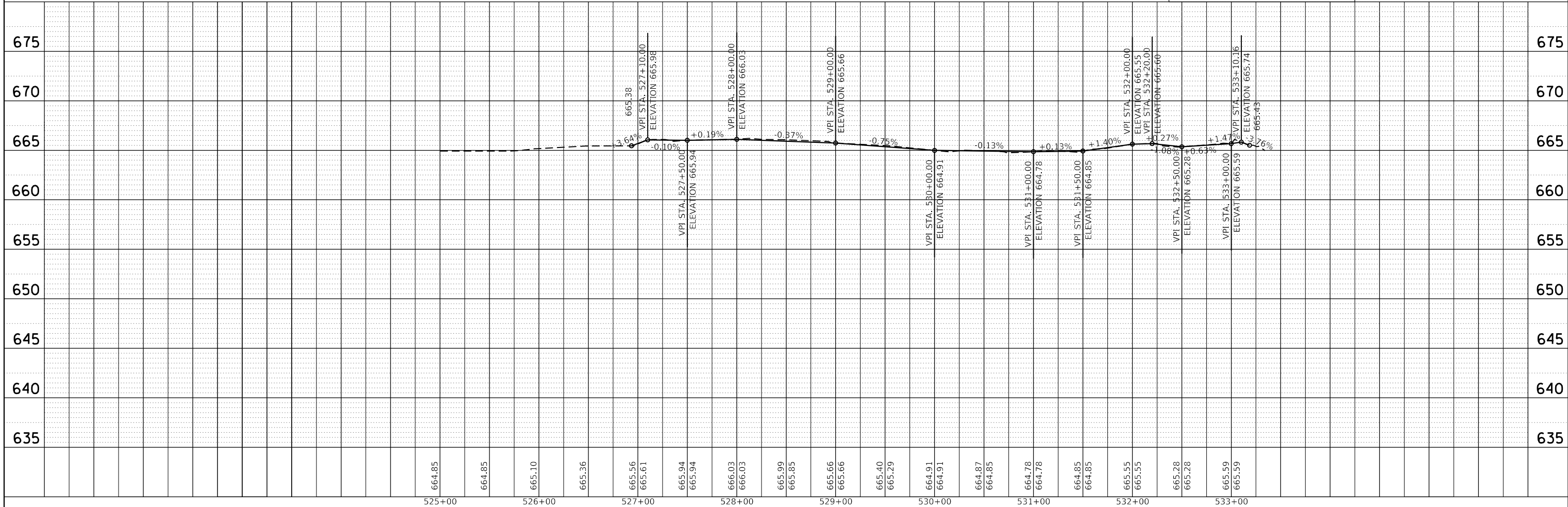
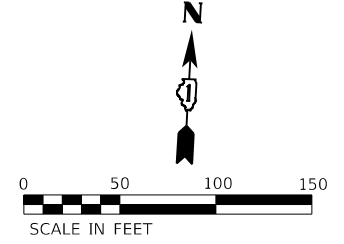
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	BY	
	NO. _____	
	FILE NAME	
	TABLET	

HRG PROJECT NO. 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-SHT-PLAN-P&P-GOLF-06.dgn
 PEN TABLET: p10106641.tbl



LEGEND

- PROPOSED SIDEWALK
- DETECTABLE WARNINGS

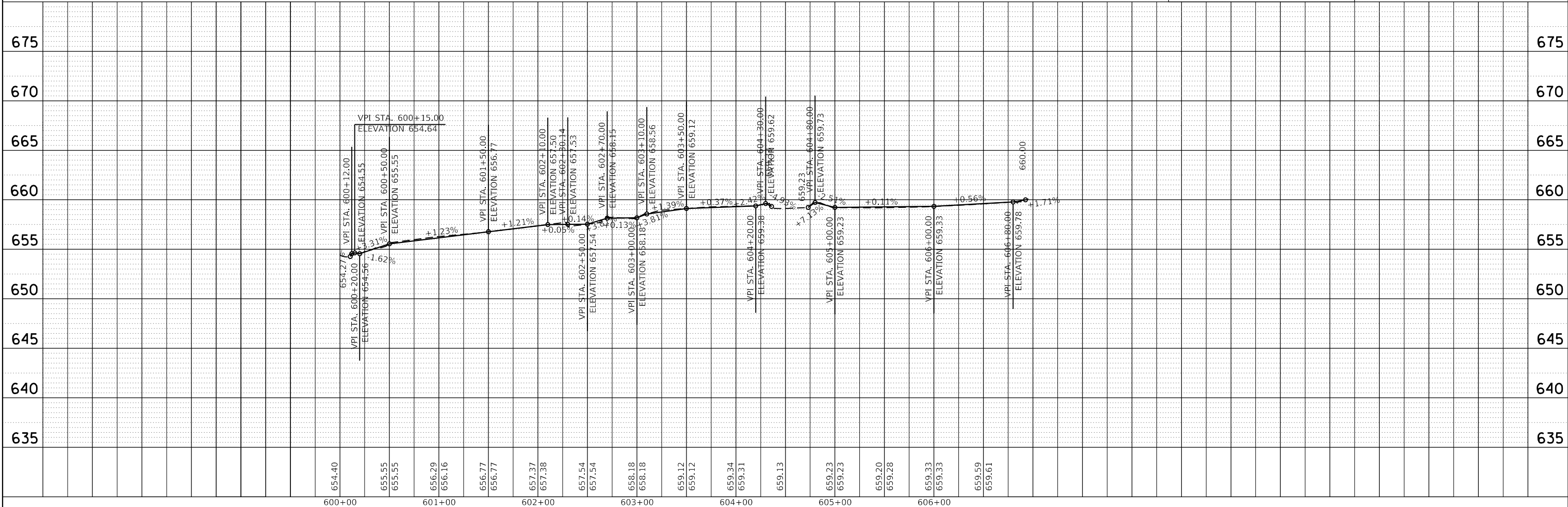
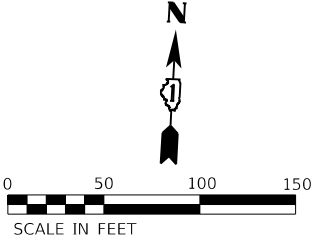
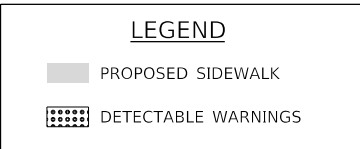
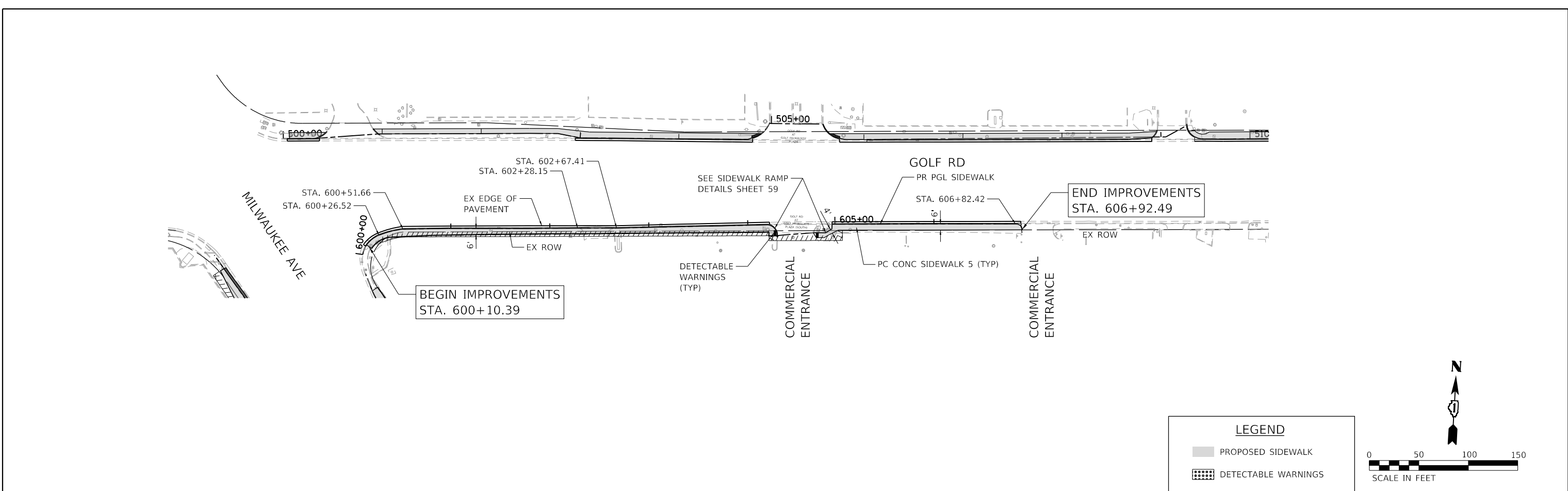


	HRGreen.com Illinois Professional Design Firm #184-001322	USER NAME = bhartma DESIGNED - CL DRAWN - WJH CHECKED - BDH DATE - 7/9/2024	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE GOLF ROAD		F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. VAR. 18-00131-00-SW COOK 146 31
	PLOT SCALE = 100,0000 ' / in. PLOT DATE = 7/9/2024				SCALE: 1"=50' SHEET 6 OF 9 SHEETS STA. 526+93.57 TO STA. 533+18.49		CONTRACT NO. 61174 ILLINOIS FED. AID PROJECT
	ILLINOIS FED. AID PROJECT						
	HRGreen.com						

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

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
NOTE BOOK NO.	NOTATIONS OK'D	

HRG PROJECT NO. 200452
 HRG PROJ. CONTACT:
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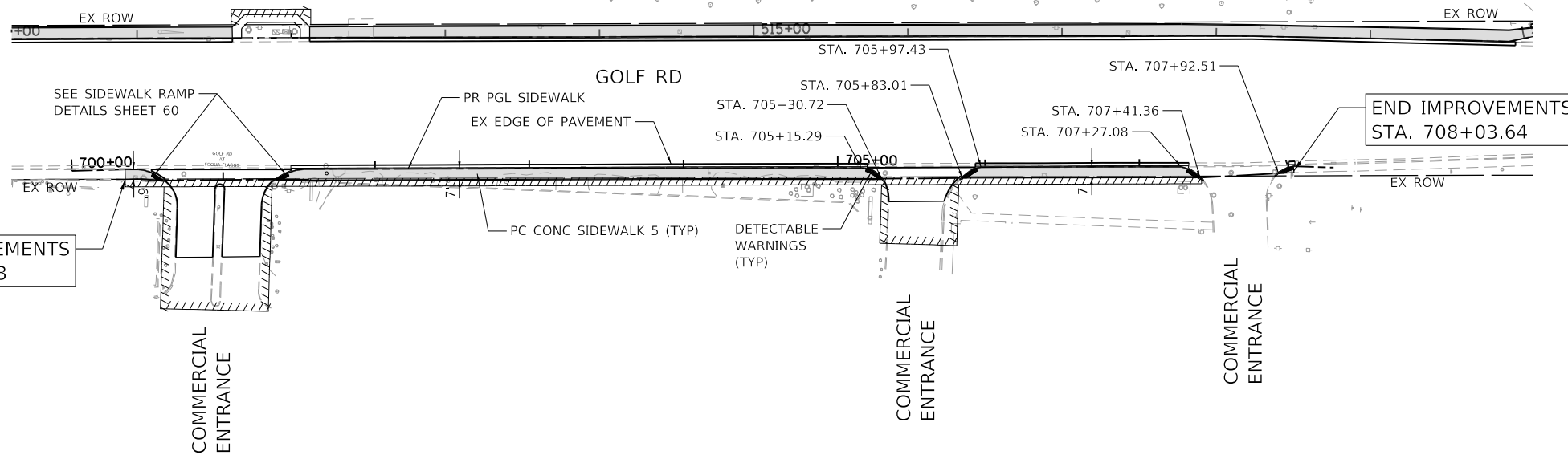


HRGreen.com Illinois Professional Design Firm #184-001322	USER NAME = bhartma	DESIGNED - CL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE GOLF ROAD			F.A. RTE. VAR.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / in.	CHECKED - BDH	REVISED -		18-00131-00-SW	COOK	146		32			
PLOT DATE = 7/9/2024	DATE	REVISED -			SCALE: 1"=50' SHEET 7 OF 9 SHEETS STA. 600+00 TO STA. 606+92.49			CONTRACT NO. 61174		ILLINOIS	FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	BY	
	NO. _____	

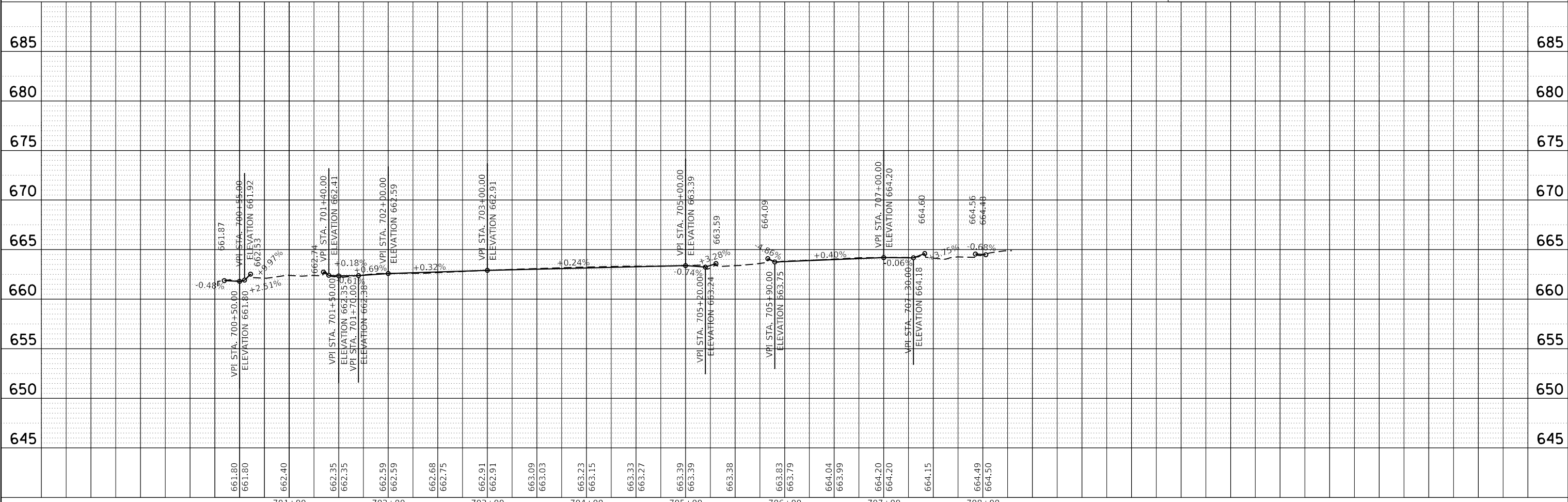
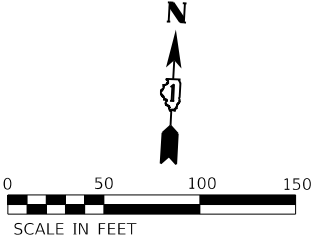
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	BY	
	NO. _____	

HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-SHT-PLAN-F-GOLF-08.dgn
 PEN TABLE: ptable.tbl



LEGEND

- PROPOSED SIDEWALK
- DETECTABLE WARNINGS

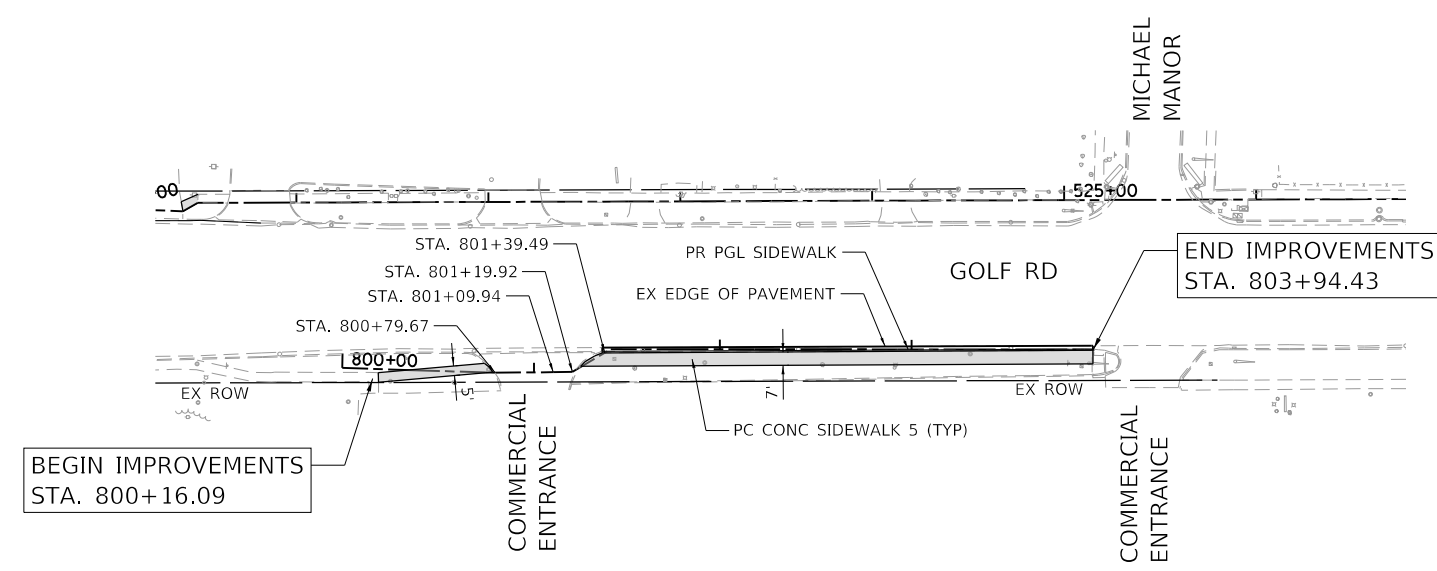


HRGreen.com Illinois Professional Design Firm #184-001322	USER NAME = bhartma	DESIGNED - CL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE GOLF ROAD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 100.0000' / in.	DRAWN - WJH	REVISED -			VAR.	18-00131-00-SW	COOK	146	33	
	PLOT DATE = 7/9/2024	CHECKED - BDH	REVISED -			CONTRACT NO. 61174					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		
	NO.		
	NO.		
	NO.		
	NO.		
	NO.		

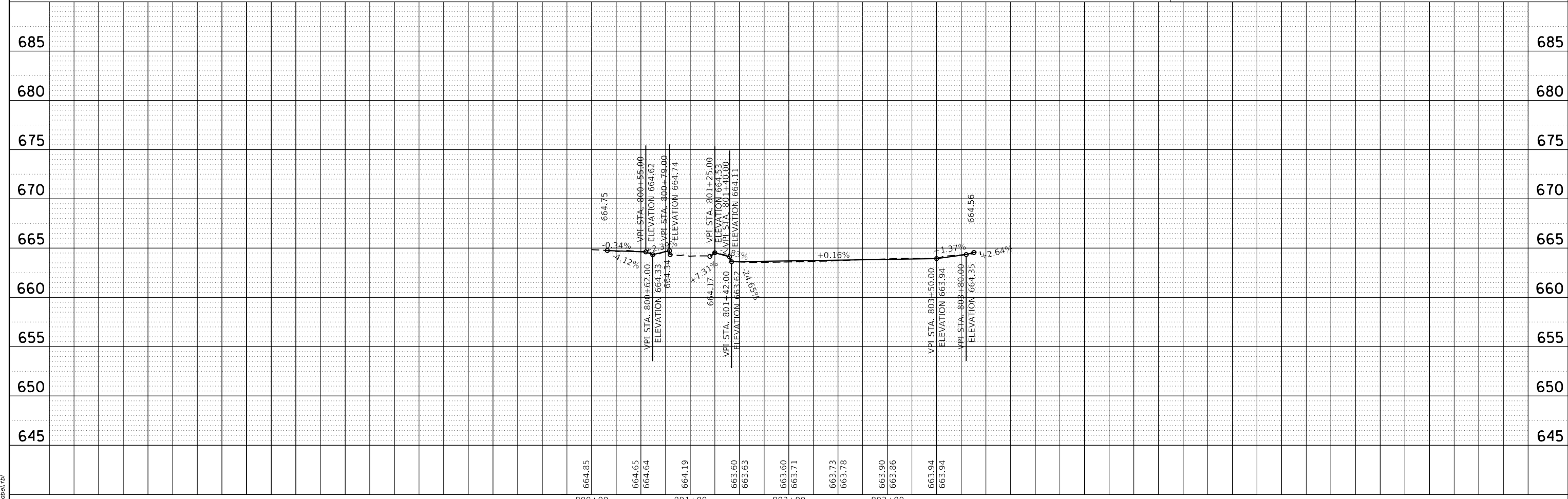
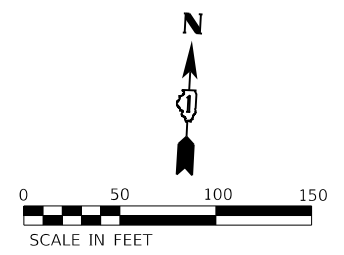
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO.		
	NO.		
	NO.		
	NO.		
	NO.		

HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-shr-p/hr-f-golf-03.dgn
 PEN TABLE: psp/tables.tbl



LEGEND

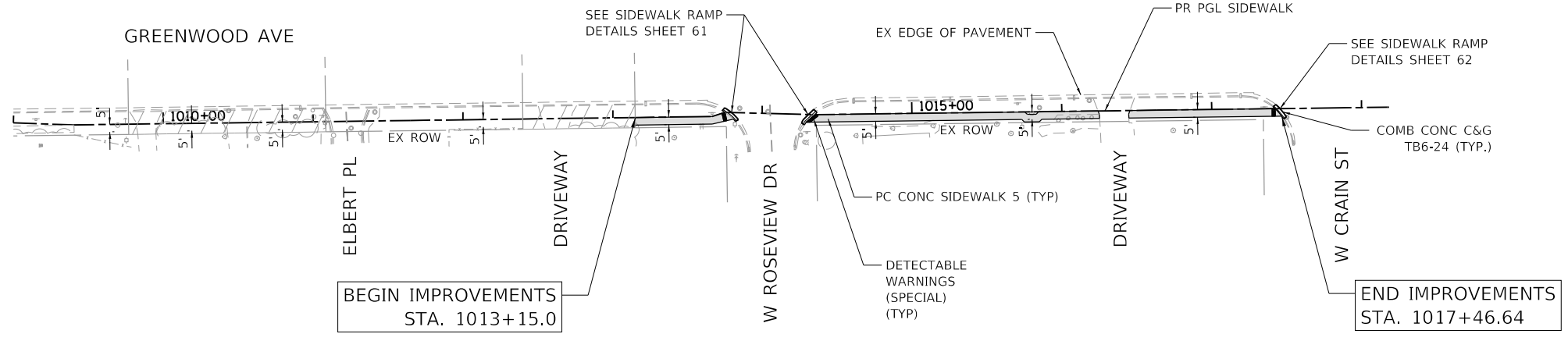
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS



	USER NAME = bhartma PLOT SCALE = 100.0000' / in. PLOT DATE = 7/9/2024	DESIGNED - CL DRAWN - WJH CHECKED - BDH DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE GOLF ROAD	F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. VAR. 18-00131-00-SW COOK 146 34	CONTRACT NO. 61174 ILLINOIS FED. AID PROJECT
	SCALE: 1"=50' SHEET 9 OF 9 SHEETS STA. 800+15.95 TO STA. 803+87.85						

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

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



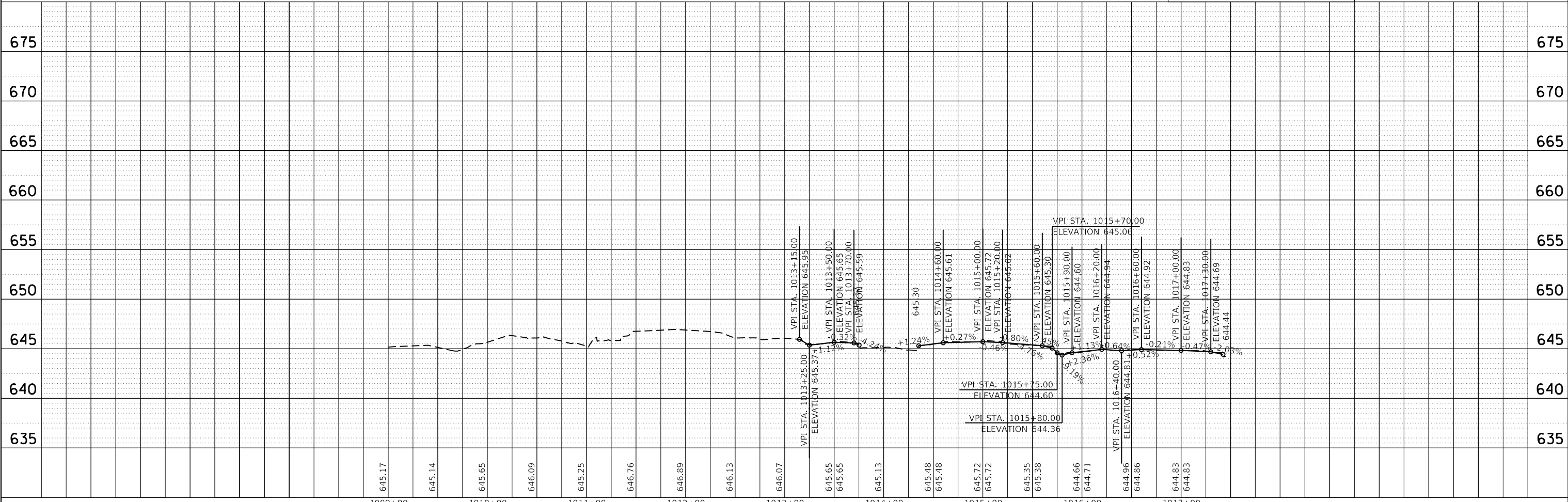
LEGEND

PROPOSED SIDEWALK

DETECTABLE WARNINGS

SCALE IN FEET

0 50 100 150



HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-shr-p/par-f-grnw-02.dgn
 PEN TABLE: p/par/0452.tbl

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 #184-001322

USER NAME = bhartma	DESIGNED - CL	REVISED -
	DRAWN - WJH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - BDH	REVISED -
PLOT DATE = 7/9/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE
 GREENWOOD AVENUE**

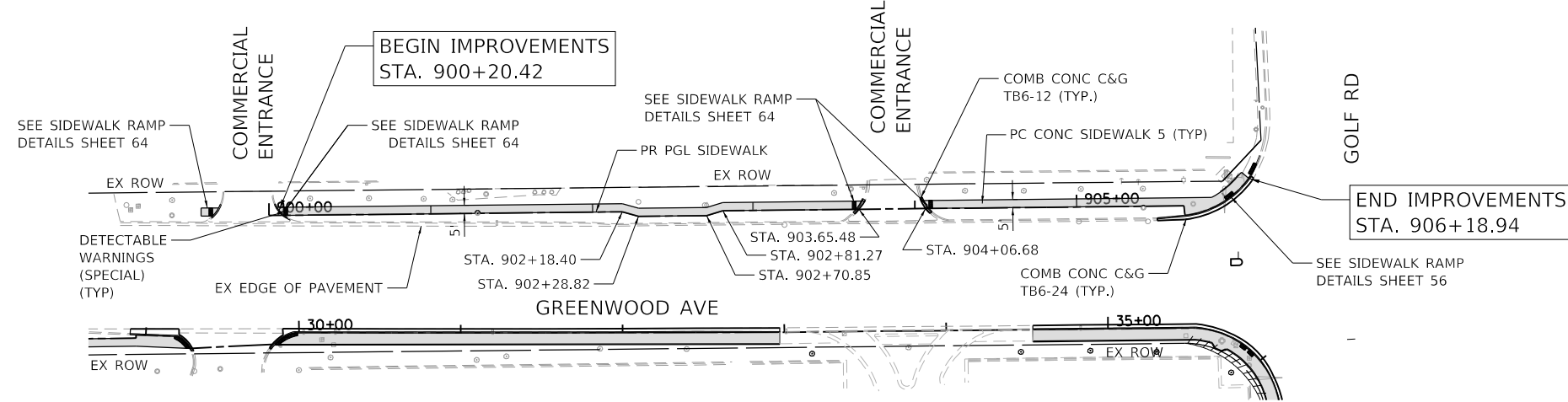
SCALE: 1"=50' SHEET 1 OF 5 SHEETS STA. 1009+00 TO STA. 1017+46.64

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	35
CONTRACT NO. 61174				
ILLINOIS		FED. AID PROJECT		

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

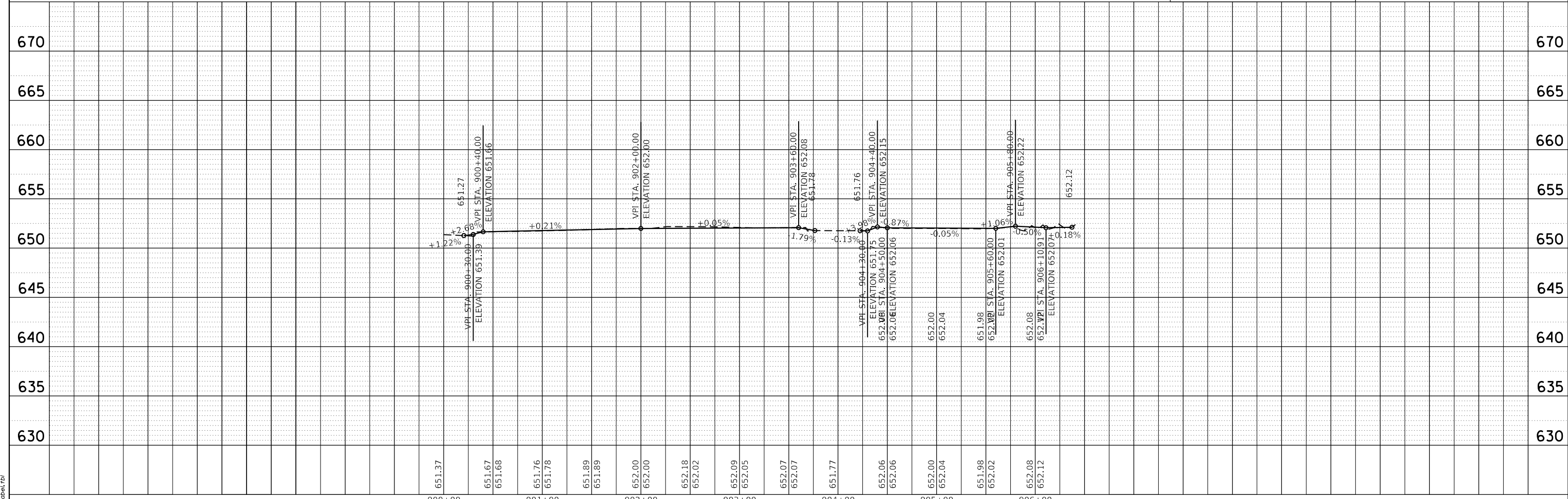
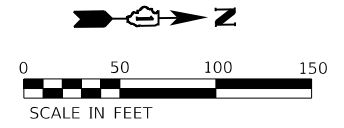
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
NOTE BOOK		
NO.		

HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-shr-p/par-f-grnw-03.dgn
 PEN TABLE: p/par/03.tbl



LEGEND

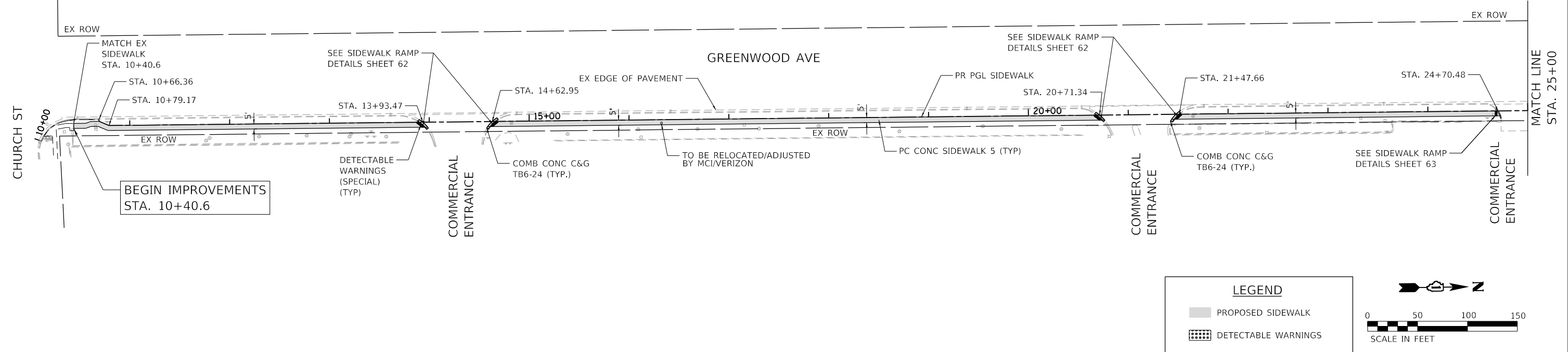
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS



PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTED	
	AS-BUILT FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTED	
	AS-BUILT FILE NAME	
	NO.	

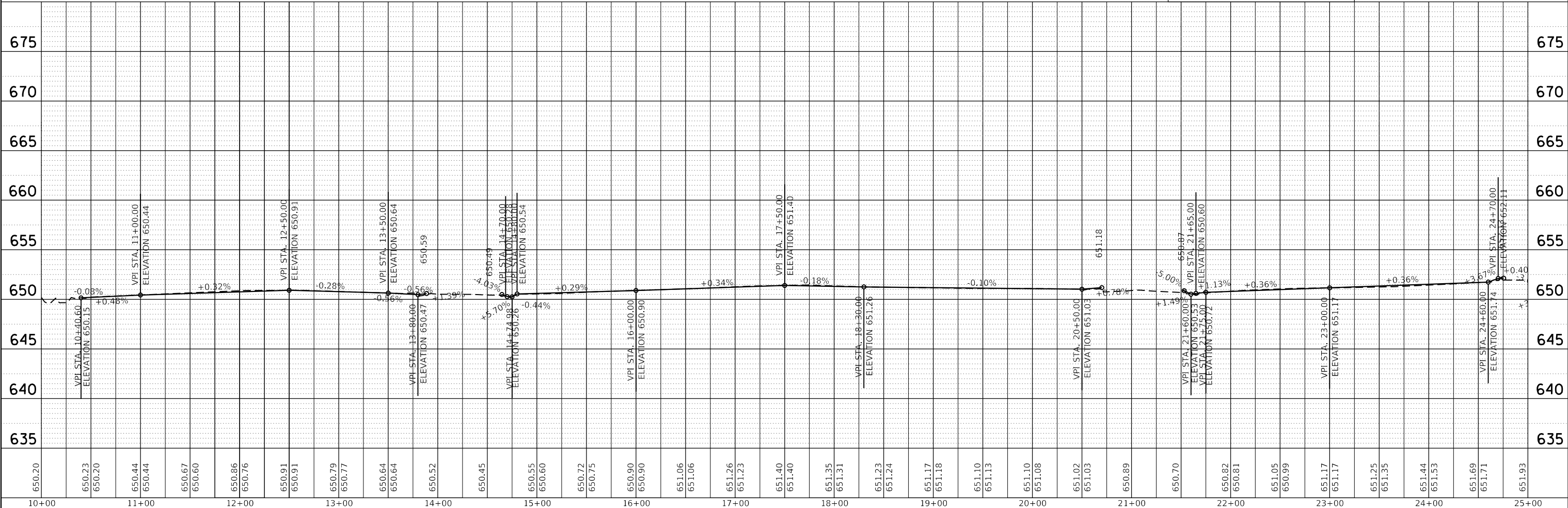
HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-sht-3-plan-f-Grnwg-04.dgn
 PEN TABLE: p101tbl04.tbl



LEGEND

- PROPOSED SIDEWALK
- DETECTABLE WARNINGS

0 50 100 150
SCALE IN FEET



650.20	650.23	650.20	650.44	650.44	650.67	650.60	650.86	650.76	650.91	650.91	650.79	650.77	650.64	650.64	650.52	650.45	650.55	650.60	650.72	650.75	650.90	650.90	651.06	651.06	651.26	651.23	651.40	651.40	651.35	651.31	651.23	651.24	651.17	651.18	651.10	651.13	651.10	651.08	651.02	651.03	650.89	650.70	650.82	650.81	651.05	650.99	651.17	651.17	651.25	651.35	651.44	651.53	651.69	651.71	651.93	10+00	11+00	12+00	13+00	14+00	15+00	16+00	17+00	18+00	19+00	20+00	21+00	22+00	23+00	24+00	25+00
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USER NAME = bhartma	DESIGNED - CL	REVISED -
	DRAWN - WJH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - BDH	REVISED -
PLOT DATE = 7/9/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE
 GREENWOOD AVENUE**

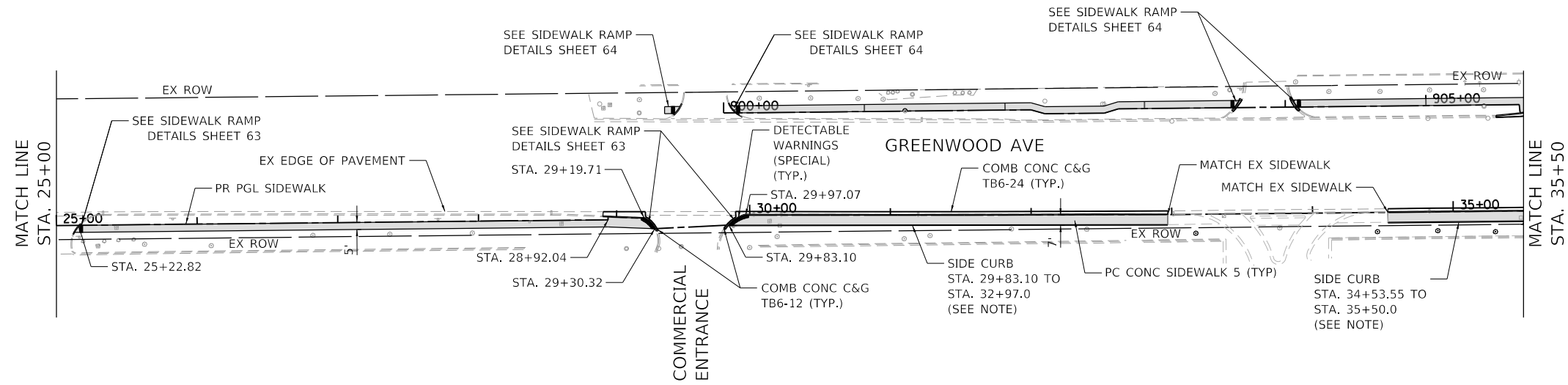
SCALE: 1"=50' SHEET 3 OF 5 SHEETS STA. 10+05.67 TO STA. 25+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	37
CONTRACT NO. 61174				
ILLINOIS		FED. AID PROJECT		

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	BY	
	DATE	
	BY	
	DATE	
	BY	
	DATE	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	BY	
	DATE	
	BY	
	DATE	
	BY	
	DATE	

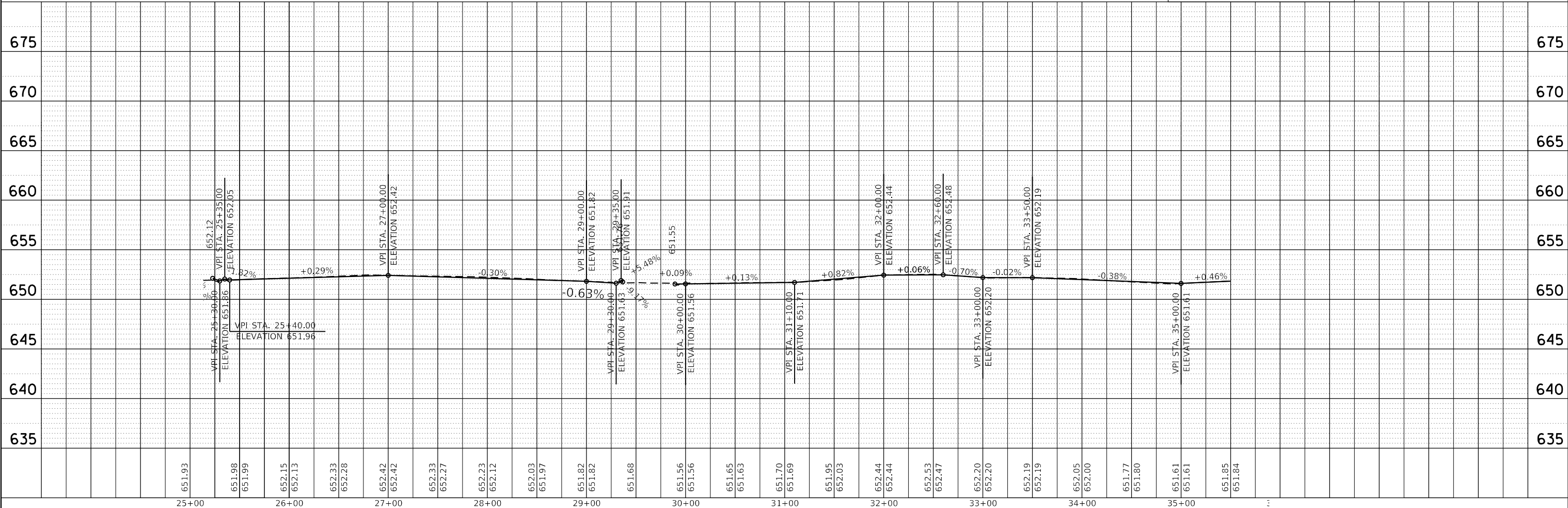
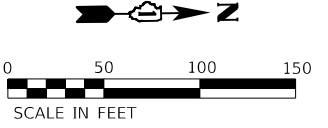
HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-shr-p10p-f-0r-nw-05.dgn
 PEN TABLE: p10table.tbl



NOTE
 SIDE CURB FOLLOWING HIGHWAY STANDARD 424001 AND PAID FOR AS *PORTLAND CEMENT CONCRETE SIDEWALK, 5"

LEGEND

- PROPOSED SIDEWALK
- DETECTABLE WARNINGS

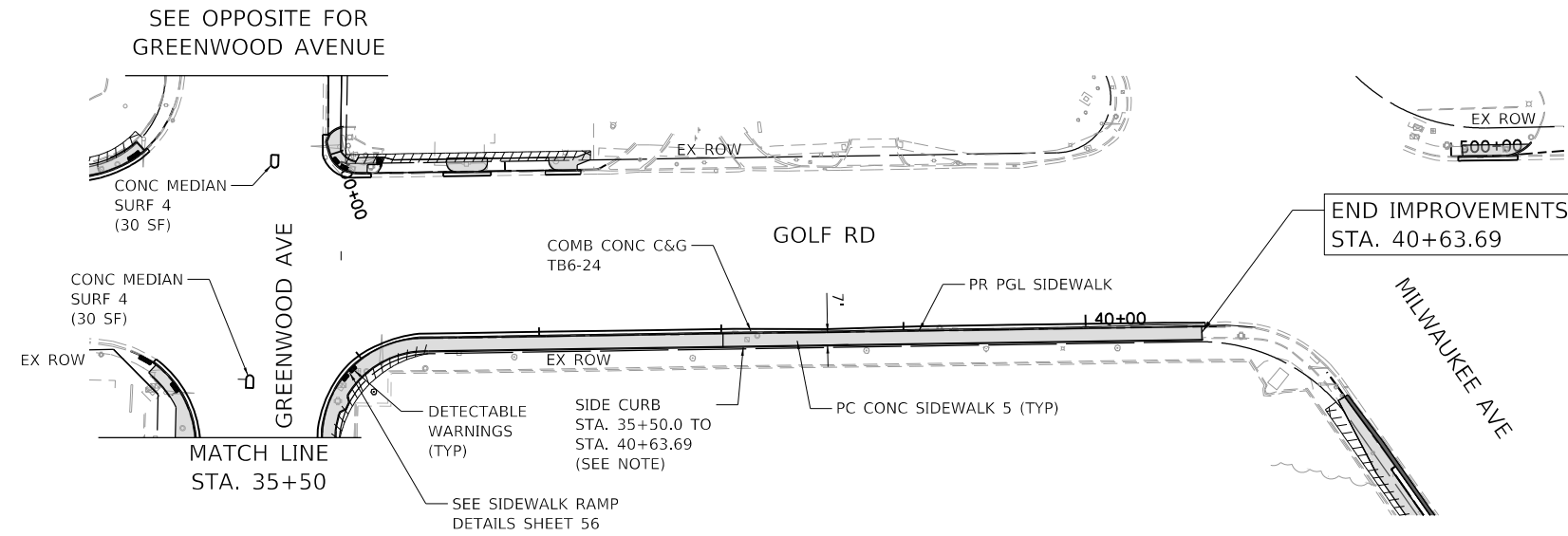


	USER NAME = bhartma DESIGNED - CL DRAWN - WJH CHECKED - BDH DATE - 7/9/2024	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE GREENWOOD AVENUE	F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. VAR. 18-00131-00-SW COOK 146 38
	PLOT SCALE = 1"=50' SCALE: 1"=50' SHEET 4 OF 5 SHEETS STA. 25+00 TO STA. 35+50	CONTRACT NO. 61174 ILLINOIS FED. AID PROJECT			

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	BY	
	DATE	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	BY	
	DATE	

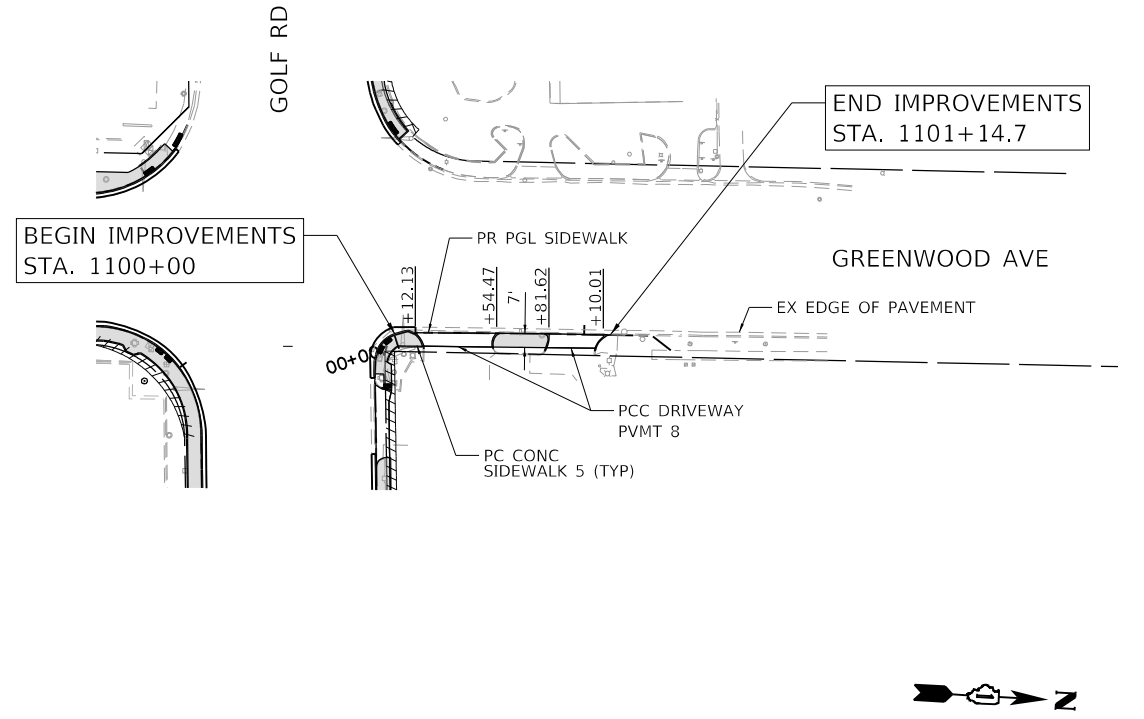
HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-shp-210101-01.dwg
 PEN TABLE: 21010101.tbl



NOTE
 SIDE CURB FOLLOWING HIGHWAY STANDARD 424001 AND PAID FOR AS "PORTLAND CEMENT CONCRETE SIDEWALK, 5"

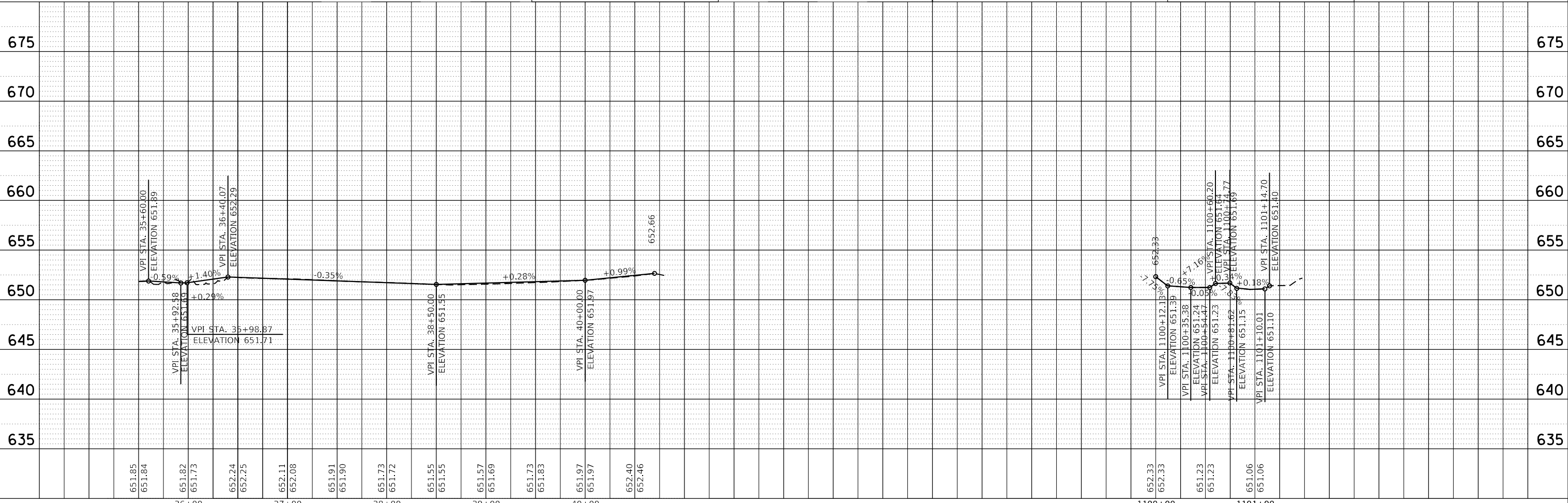
LEGEND

- PROPOSED SIDEWALK
- DETECTABLE WARNINGS



LEGEND

- PROPOSED SIDEWALK
- DETECTABLE WARNINGS



651.85	651.84	651.82	651.73	652.24	652.25	652.11	652.08	651.91	651.90	651.73	651.72	651.55	651.55	651.57	651.69	651.73	651.83	651.97	651.97	652.40	652.46
36+00		37+00		38+00		39+00		40+00													
USER NAME = bhartma		DESIGNED - CL		REVISED -																	
DRAWN - WJH		REVISED -																			
PLOT SCALE = 100.0000' / in.		CHECKED - BDH		REVISED -																	
PLOT DATE = 7/9/2024		DATE -		REVISED -																	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE
 GREENWOOD AVE /GOLF ROAD**

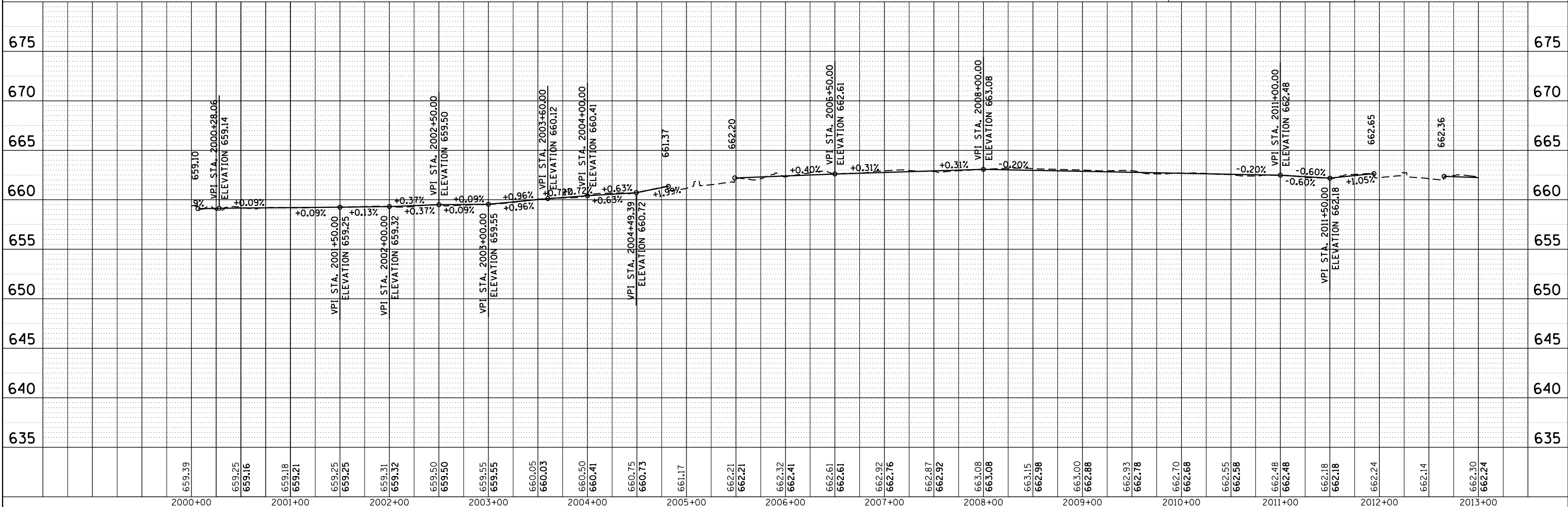
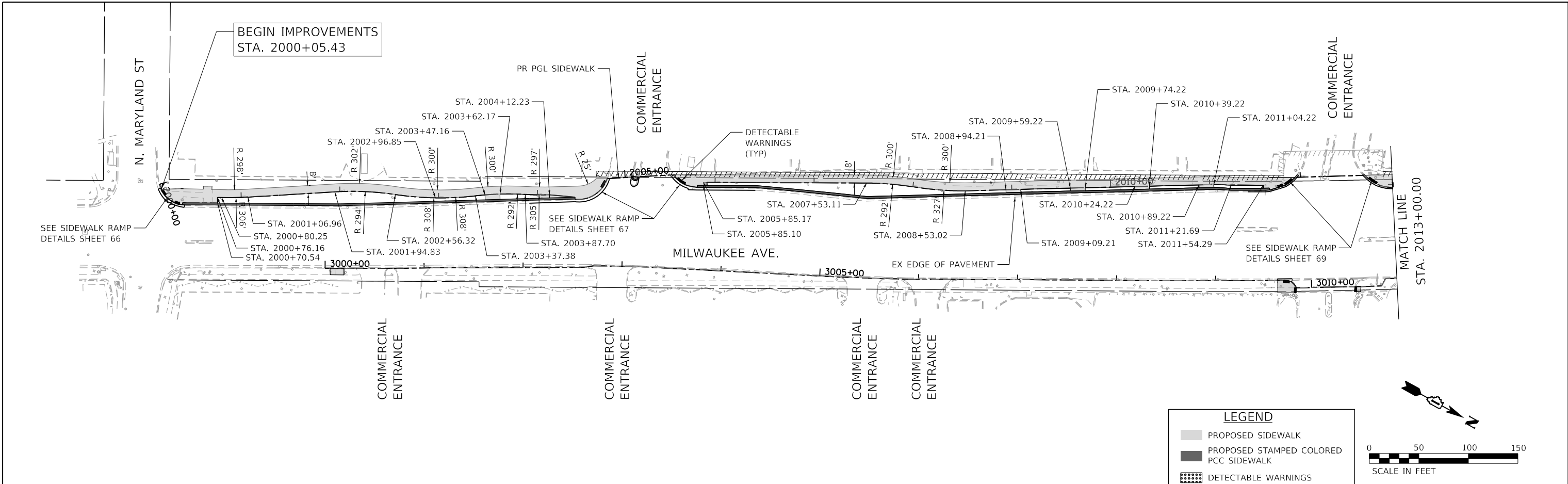
SCALE: 1"=50' SHEET 5 OF 5 SHEETS STA. 35+50 TO STA. 40+69.88

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	39
CONTRACT NO. 61174				
ILLINOIS		FED. AID PROJECT		

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	BY	
	NO. _____	
	NO. _____	
	NO. _____	

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

HRG PROJECT NO. 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-SW-PLAN-1.dgn
 PEN TABLE: p101table.tbl



2000+00	2001+00	2002+00	2003+00	2004+00	2005+00	2006+00	2007+00	2008+00	2009+00	2010+00	2011+00	2012+00	2013+00													
659.39	659.25 659.16	659.18 659.21	659.25 659.25	659.31 659.32	659.50 659.50	659.55 659.55	660.05 660.03	660.50 660.41	660.75 660.73	661.17	662.21 662.21	662.32 662.41	662.61 662.61	662.92 662.76	662.87 662.92	663.08 663.08	663.15 662.98	663.00 662.88	662.93 662.78	662.70 662.68	662.55 662.58	662.48 662.48	662.18 662.18	662.24	662.14	662.50 662.24

USER NAME = bhartma	DESIGNED - CL	REVISED -
	DRAWN - WJH	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - BDH	REVISED -
PLOT DATE = 7/9/2024	DATE -	REVISED -

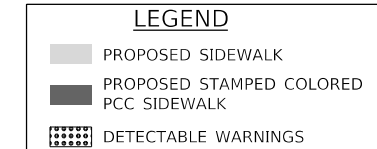
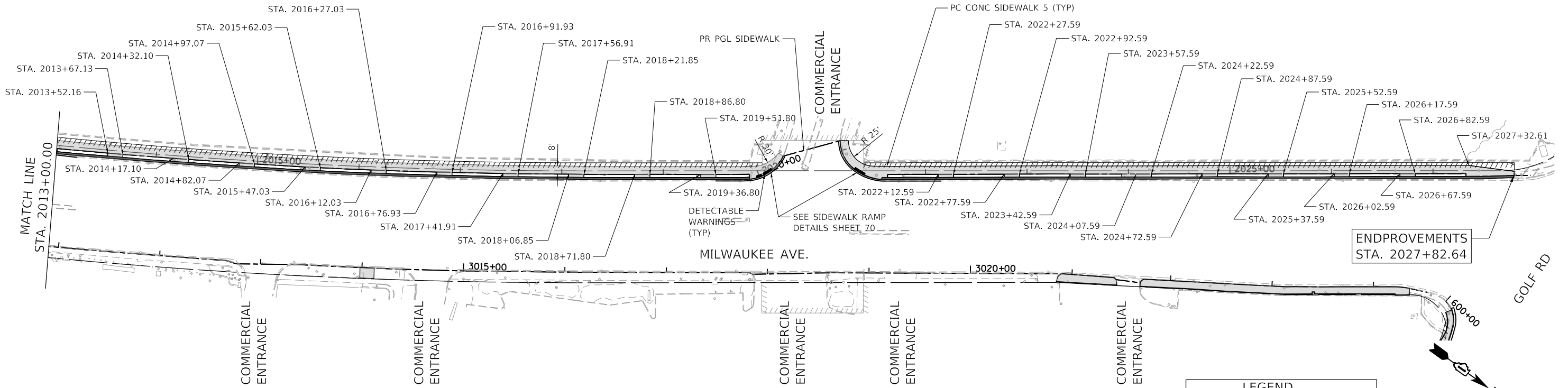
STATE OF ILLINOIS	PLAN AND PROFILE
DEPARTMENT OF TRANSPORTATION	MILWAUKEE AVENUE

SCALE: 1"=50'	SHEET 1 OF 4 SHEETS	STA. 1000+28.80 TO STA. 1009+00
---------------	---------------------	---------------------------------

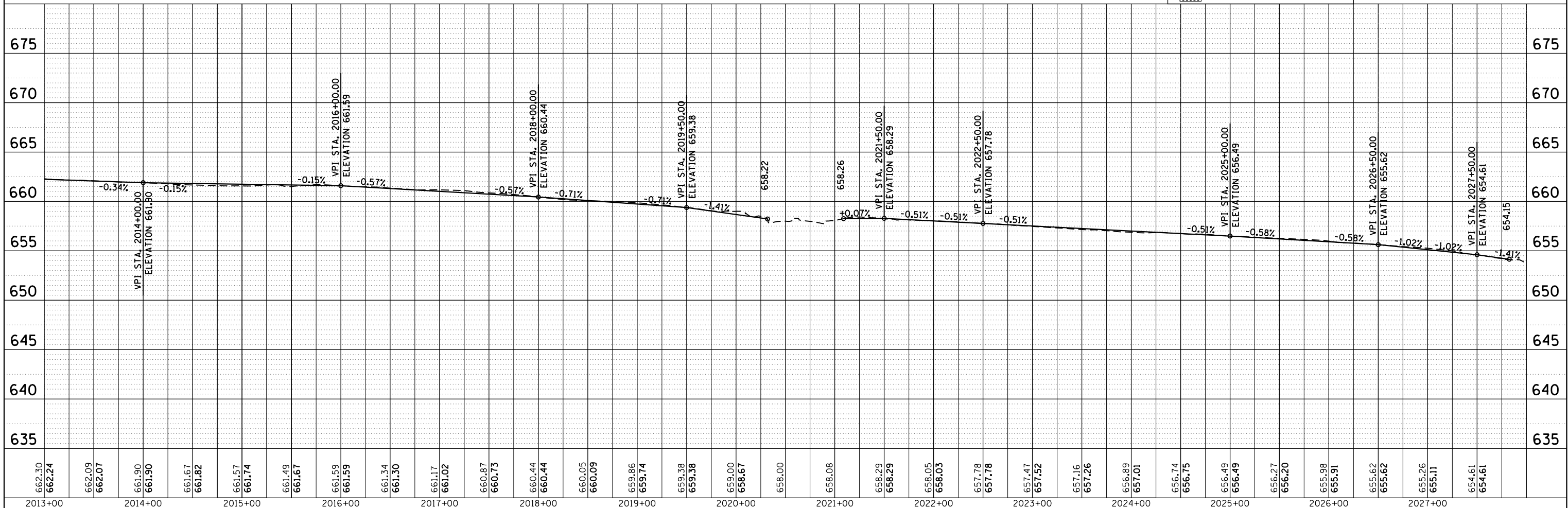
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	40
CONTRACT NO. 61174				

ILLINOIS	FED. AID PROJECT
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PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	DESIGNED	
	CAD FILE NAME	
	NO.	



PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	NOTED THIS CHRD	
	STRUCTURE	
	NO.	



HRG PROJECT NO. 200452
 HRG PROJ CONTACT:
 FILE NAME: 200452-SW-PLAN-PROF-MI-02.dgn
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HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = bhartma	DESIGNED - CL	REVISED -
	DRAWN - WJH	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - BDH	REVISED -
PLOT DATE = 7/9/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
MILWAUKEE AVENUE

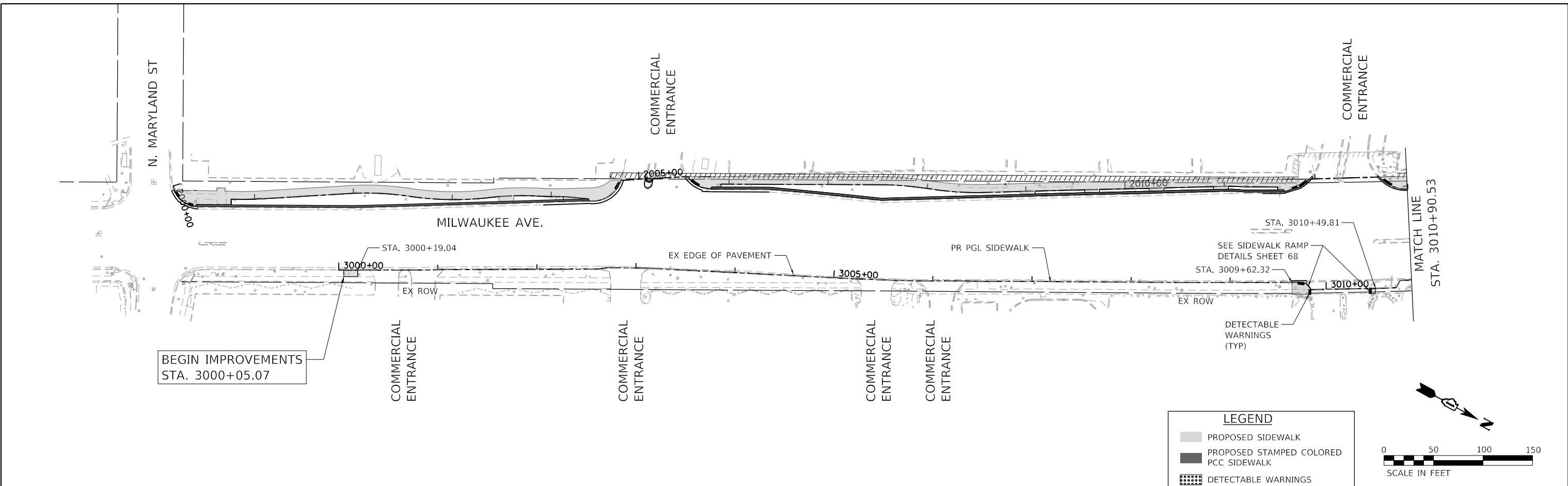
SCALE: 1"=50' SHEET 2 OF 4 SHEETS STA. 1000+28.80 TO STA. 1009+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	41
			CONTRACT NO. 61174	
			ILLINOIS FED. AID PROJECT	

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

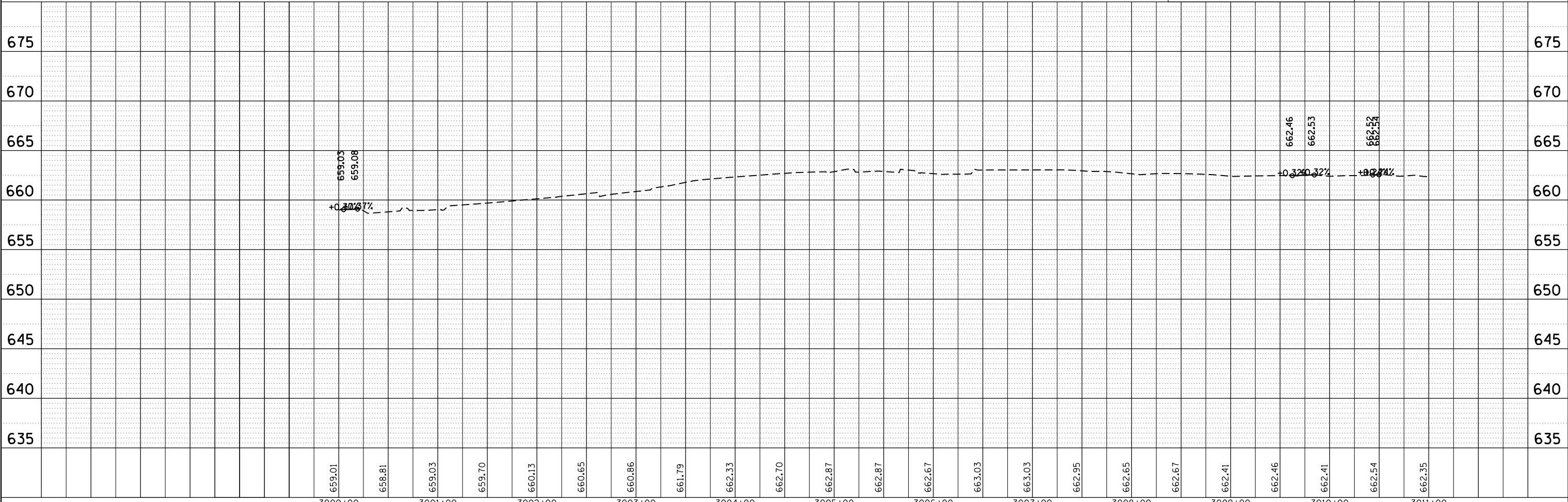
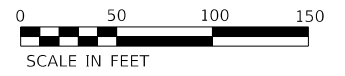
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES		
	CHECKED		
	STRUCTURE		
	NOTATIONS		
	CHKD		
	NO.		

HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-shr-p100-f-mil-03.dgn
 PEN TABLE: p100tbl.tbl



LEGEND

- PROPOSED SIDEWALK
- PROPOSED STAMPED COLORED PCC SIDEWALK
- DETECTABLE WARNINGS (TYP)

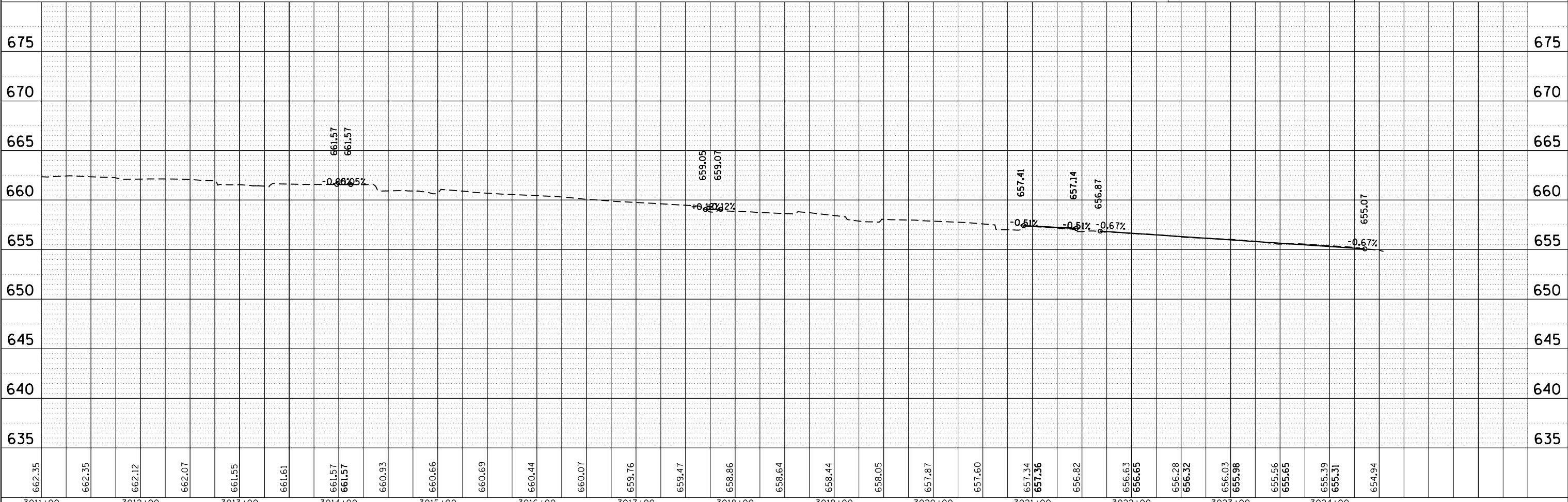
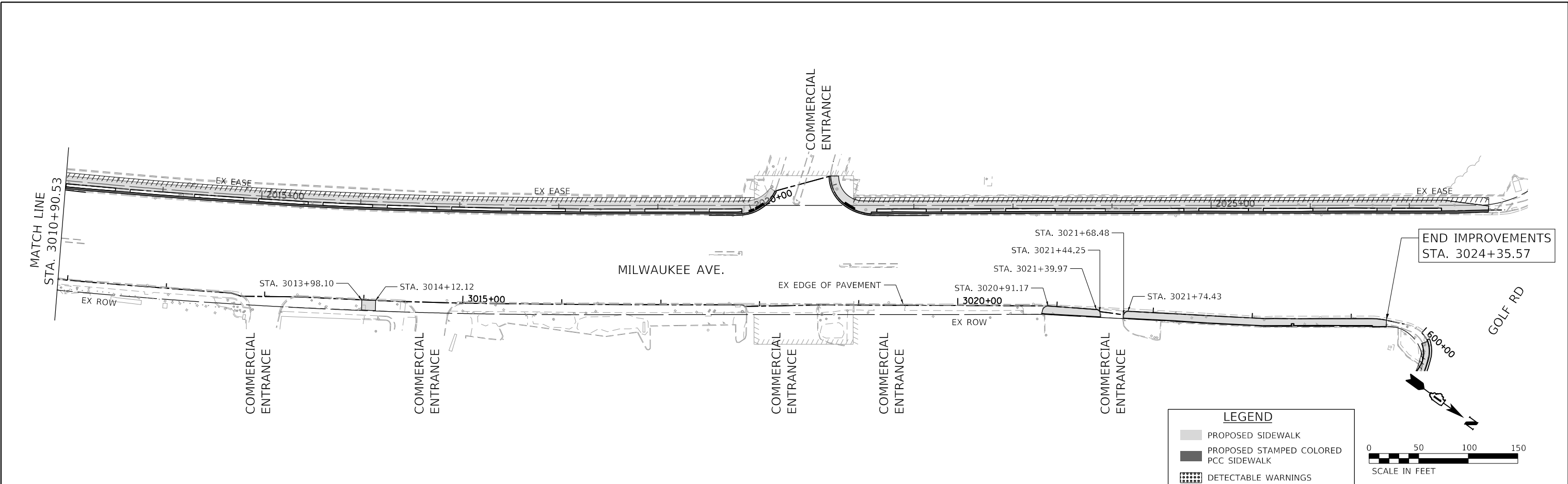


HRG PROJECT NO.: 200452	HRGreen.com	USER NAME = bhartma	DESIGNED - CL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE MILWAUKEE AVENUE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HRG PROJ. CONTACT:	184-001322		DRAWN - WJH	REVISED -		VAR.	18-00131-00-SW	COOK	146	42		
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			PLOT DATE = 7/9/2024	DATE -								

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTED		
	CHECKED		
	FILED		
	NO. _____		
	FILE NAME		

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

HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-SW-Mil-Ave-Plan-Profile.dgn
 PEN: TABLE: p:\table.tbl



3011+00	3012+00	3013+00	3014+00	3015+00	3016+00	3017+00	3018+00	3019+00	3020+00	3021+00	3022+00	3023+00	3024+00
662.35	662.35	662.12	662.07	661.55	661.61	661.57	661.57	660.93	660.66	660.69	660.44	660.07	659.76
659.47	658.86	658.64	658.44	658.05	657.87	657.60	657.34	657.36	656.82	656.63	656.65	656.28	656.32
655.39	655.31	654.94											

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 #184-001322

USER NAME = bhartma	DESIGNED - CL	REVISED -
	DRAWN - WJH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - BDH	REVISED -
PLOT DATE = 7/9/2024	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

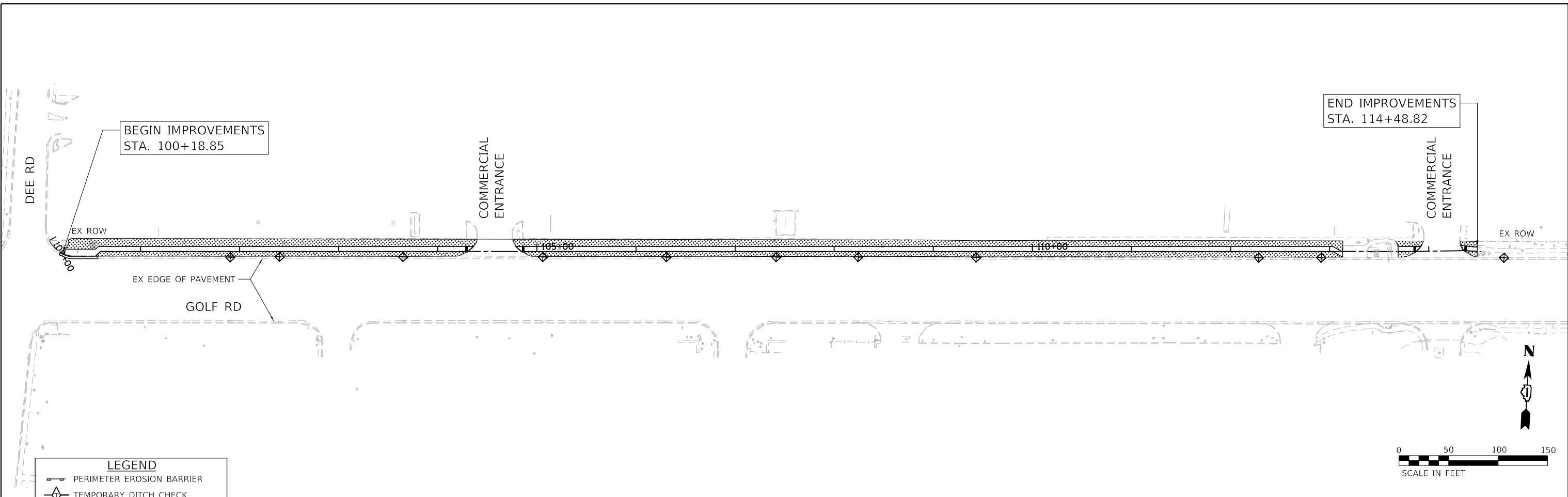
PLAN AND PROFILE
 MILWAUKEE AVENUE

SCALE: 1"=50'

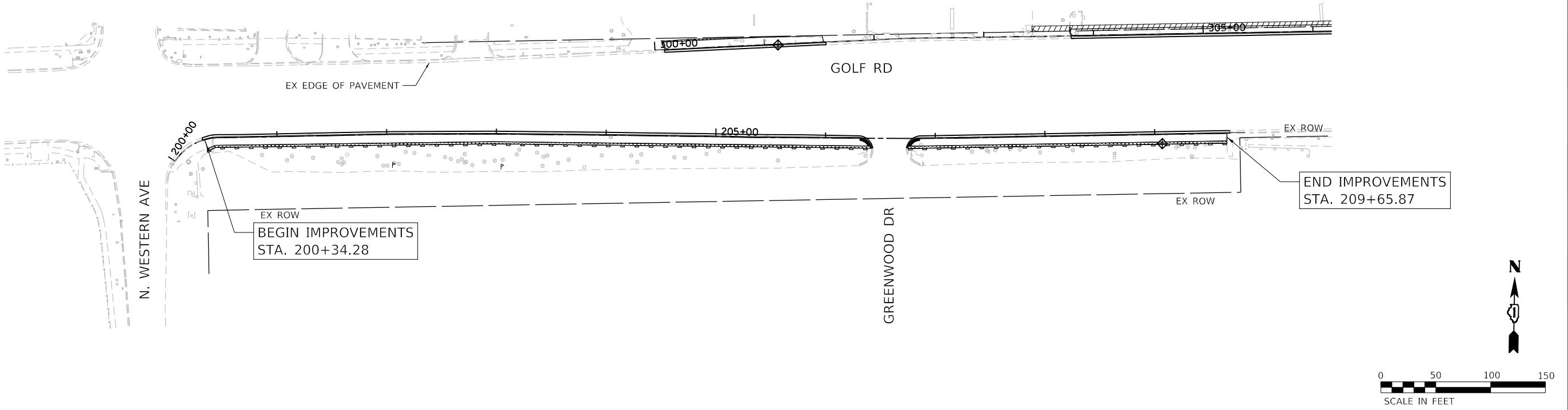
SHEET 4 OF 4 SHEETS

STA. 1000+28.80 TO STA. 1009+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	43
CONTRACT NO. 61174				
ILLINOIS		FED. AID PROJECT		



LEGEND	
	PERIMETER EROSION BARRIER
	TEMPORARY DITCH CHECK
	INLET FILTERS
	SODDING, SALT TOLERANT



HRG PROJECT NO: 200452
 HRG PROJ CONTACT:
 FILE NAME: 200452-shr-eros-golf-01.dgn
 PEN TABLE: 1/10/2024.tbl

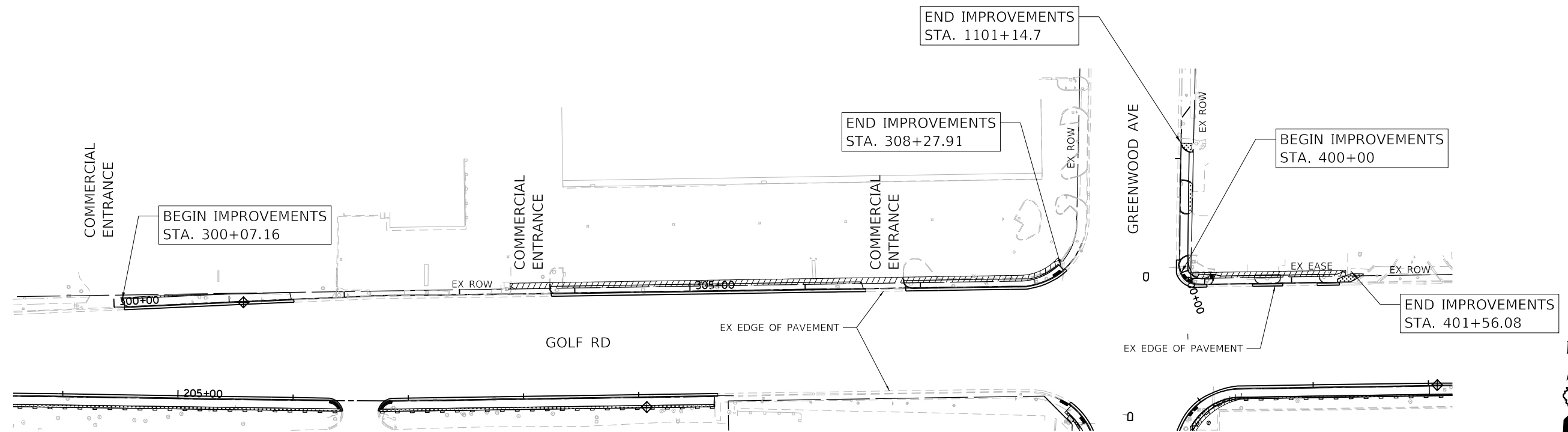


USER NAME = bhartma	DESIGNED - CL	REVISED -
	DRAWN - WJH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - BDH	REVISED -
PLOT DATE = 7/9/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

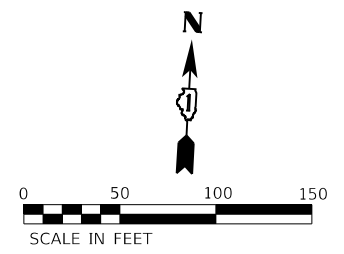
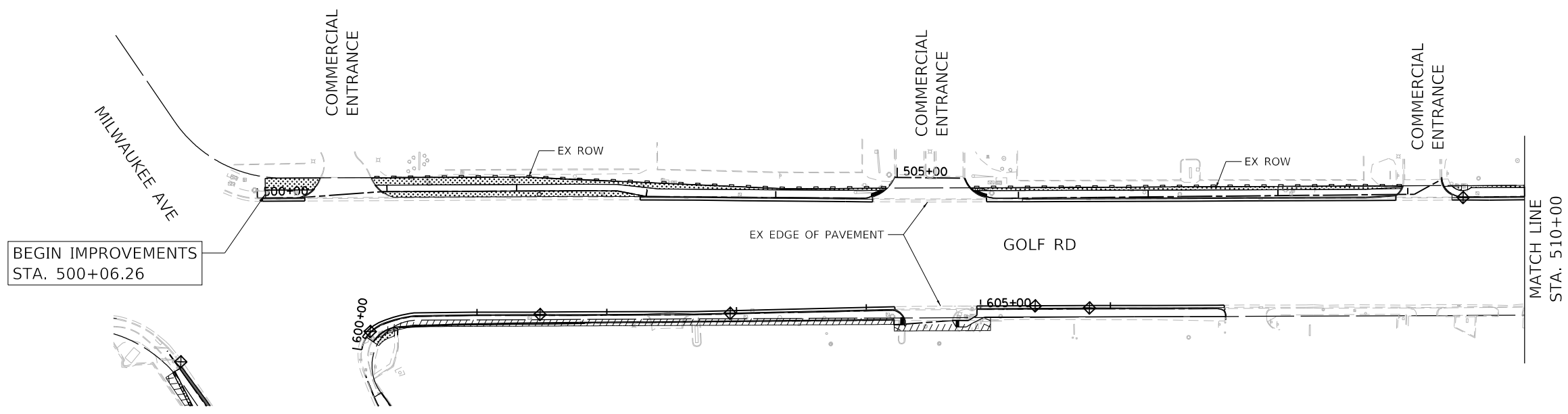
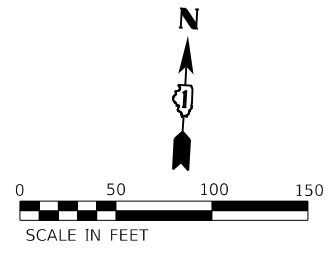
EROSION CONTROL AND LANDSCAPING PLAN			
GOLF ROAD			
SCALE: 1"=50'	SHEET 1 OF 5 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	44
CONTRACT NO. 61174			ILLINOIS FED. AID PROJECT	



LEGEND

- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK
- INLET FILTERS
- SODDING, SALT TOLERANT



HRG PROJECT NO: 200452
 HRG PROJ CONTACT:
 FILE NAME: 200452-shr-eros-golf-02.dgn
 PEN TABLE: 1/10/2024

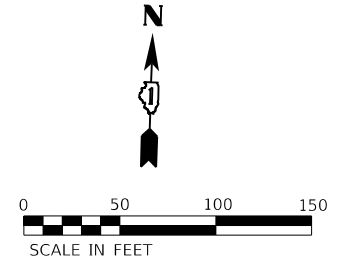
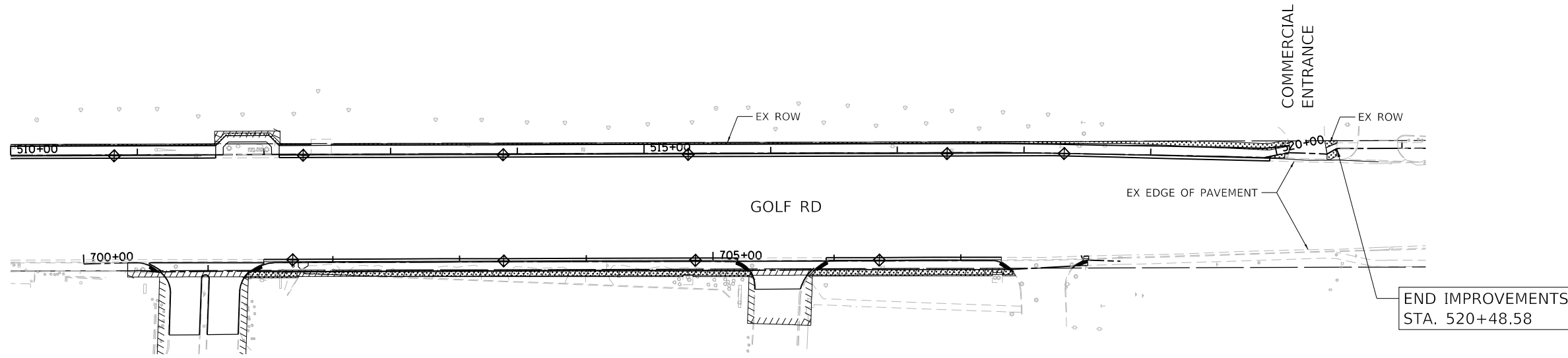
HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = bhartma	DESIGNED - CL	REVISED -
	DRAWN - W/JH	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - BDH	REVISED -
PLOT DATE = 7/9/2024	DATE -	REVISED -

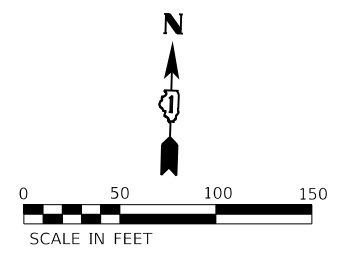
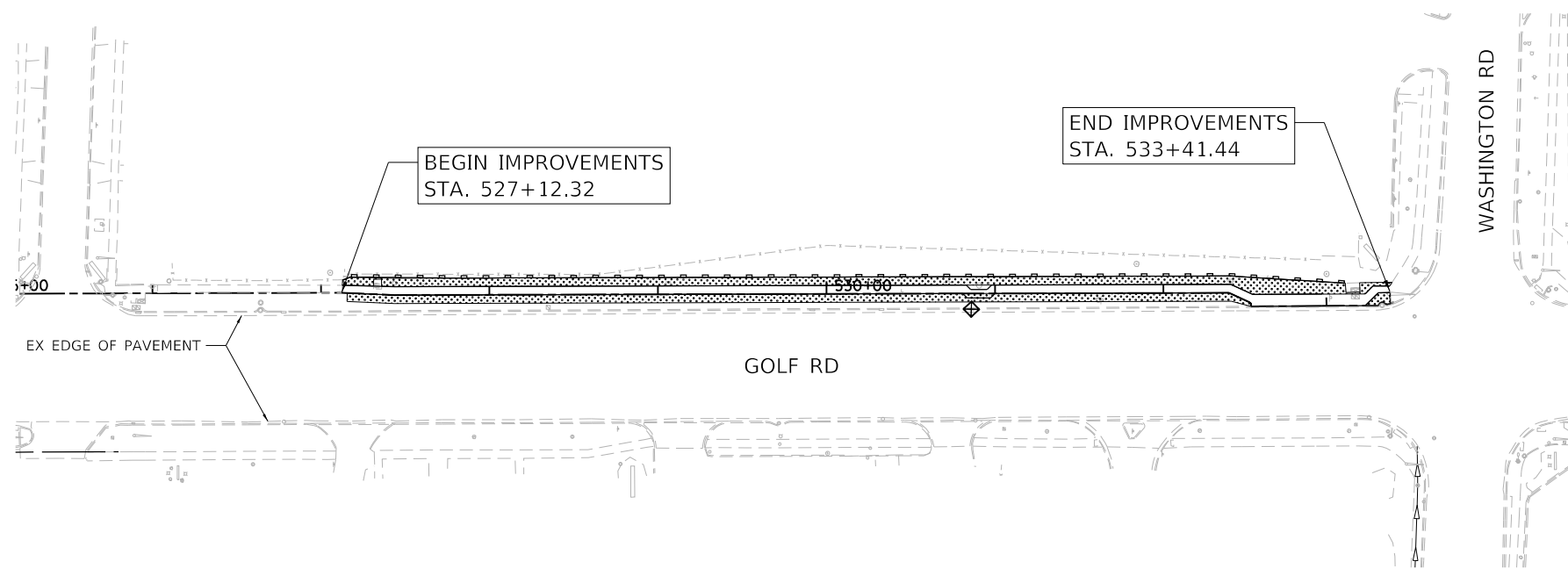
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL AND LANDSCAPING PLAN	
GOLF ROAD	
SCALE: 1"=50'	SHEET 2 OF 5 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	45
CONTRACT NO. 61174			ILLINOIS FED. AID PROJECT	



LEGEND	
	PERIMETER EROSION BARRIER
	TEMPORARY DITCH CHECK
	INLET FILTERS
	SODDING, SALT TOLERANT



HRG PROJECT NO: 200452
 HRG PROJ CONTACT:
 FILE NAME: 200452-shr-eros-golf-03.dgn
 PEN TABLE: 1/10/2024

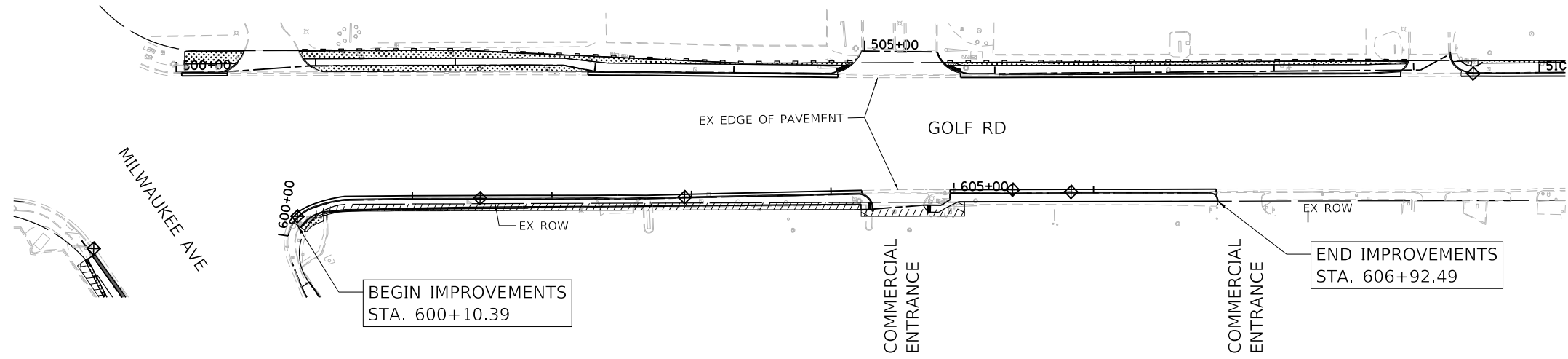


USER NAME = bhartma	DESIGNED - CL	REVISED -
	DRAWN - WJH	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - BDH	REVISED -
PLOT DATE = 7/9/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

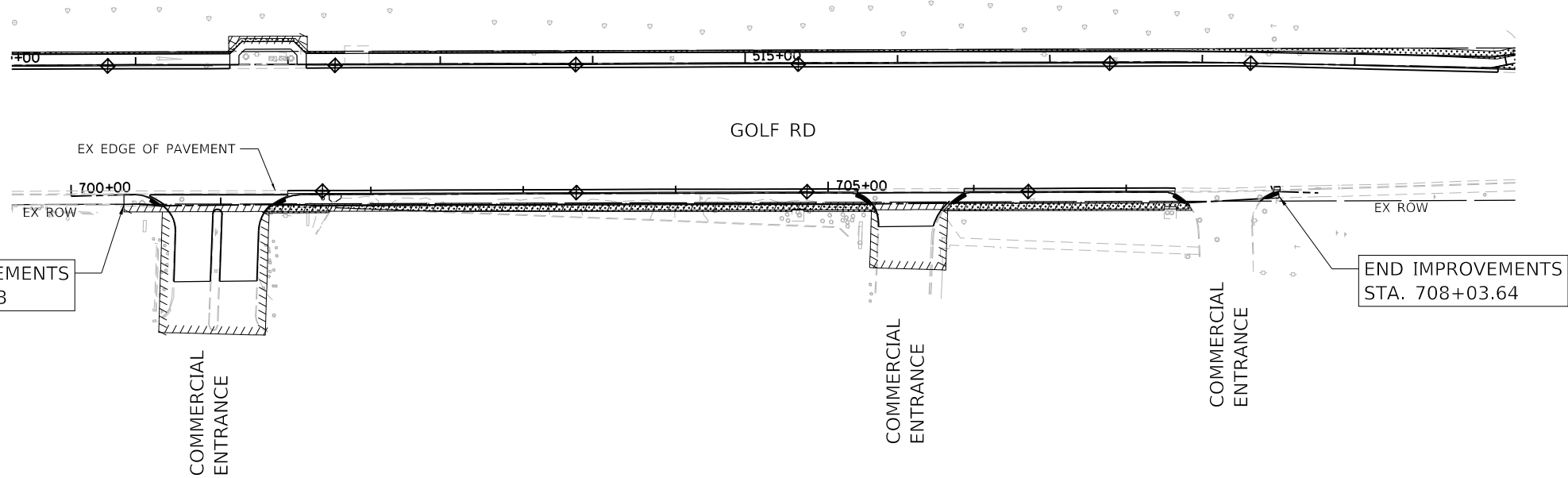
EROSION CONTROL AND LANDSCAPING PLAN			
GOLF ROAD			
SCALE: 1"=50'	SHEET 3 OF 5 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	46
CONTRACT NO. 61174			ILLINOIS FED. AID PROJECT	



LEGEND

- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK
- INLET FILTERS
- SODDING, SALT TOLERANT



HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-sht-eros-golf-04.dgn
 PEN TABLE: 1/10/2024

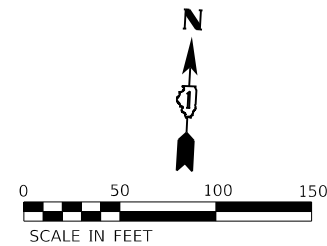
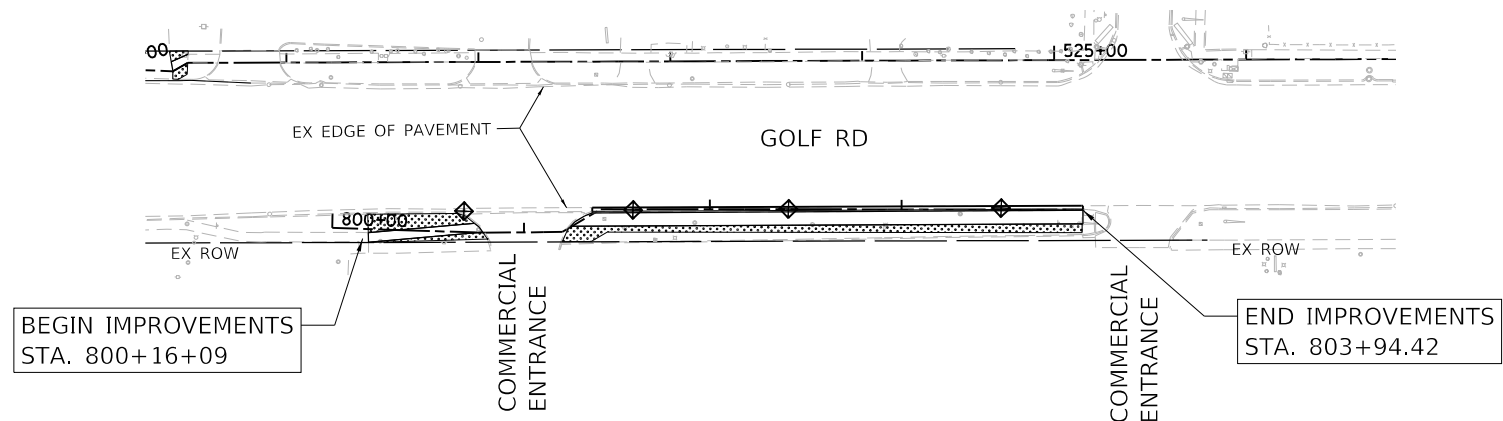


USER NAME = bhartma	DESIGNED - CL	REVISED -
	DRAWN - WJH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - BDH	REVISED -
PLOT DATE = 7/9/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL AND LANDSCAPING PLAN			
GOLF ROAD			
SCALE: 1"=50'	SHEET 4 OF 5 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	47
			CONTRACT NO. 61174	
ILLINOIS FED. AID PROJECT				



LEGEND	
	PERIMETER EROSION BARRIER
	TEMPORARY DITCH CHECK
	INLET FILTERS
	SODDING, SALT TOLERANT

HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-SHT-eros-05.dgn
 PEN TABLE: p10tbl.tbl



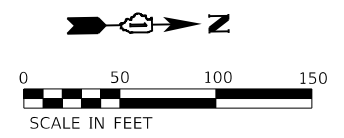
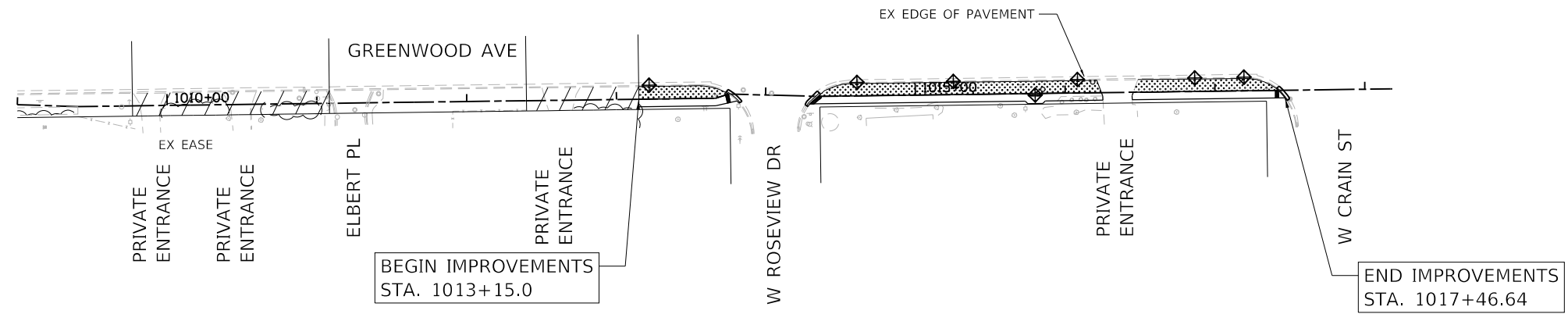
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	DRAWN - WJH	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - BDH	REVISED -
PLOT DATE = 7/9/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL AND LANDSCAPING PLAN
GOLF ROAD

SCALE: 1"=50' SHEET 5 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	48
CONTRACT NO. 61174			ILLINOIS FED. AID PROJECT	



LEGEND	
	PERIMETER EROSION BARRIER
	TEMPORARY DITCH CHECK
	INLET FILTERS
	SODDING, SALT TOLERANT

HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-SHT-eros-grnw-01.dgn
 PLOT DATE: 7/9/2024
 PEN TABLE: p101tbl.tbl



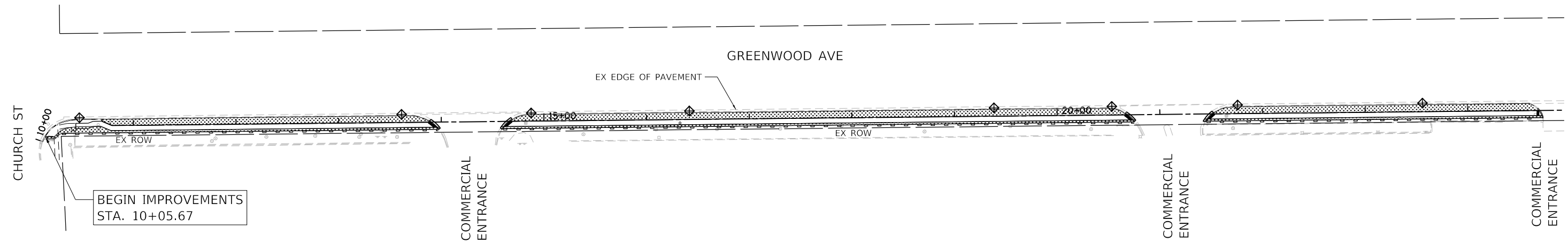
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	DRAWN - W/JH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - BDH	REVISED -
PLOT DATE = 7/9/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

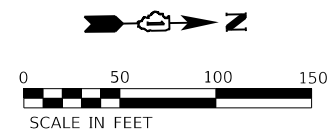
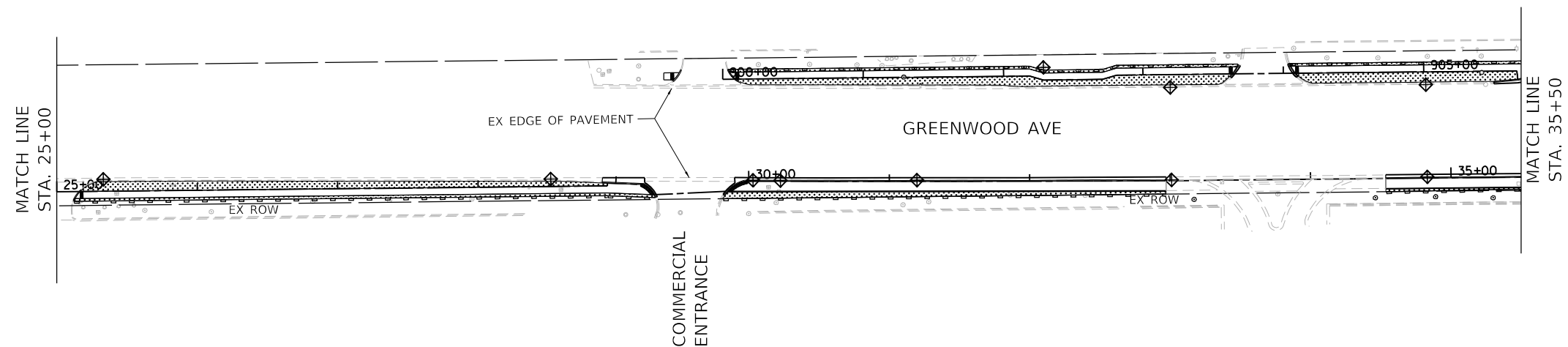
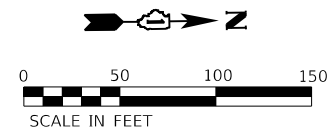
EROSION CONTROL AND LANDSCAPING PLAN
GREENWOOD AVENUE

SCALE: 1"=50' SHEET 1 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	49
CONTRACT NO.			61174	
ILLINOIS		FED. AID PROJECT		



LEGEND	
	PERIMETER EROSION BARRIER
	TEMPORARY DITCH CHECK
	INLET FILTERS
	SODDING, SALT TOLERANT



HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT:
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 PEN TABLE: 1/10/2024

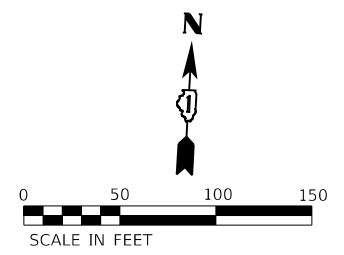
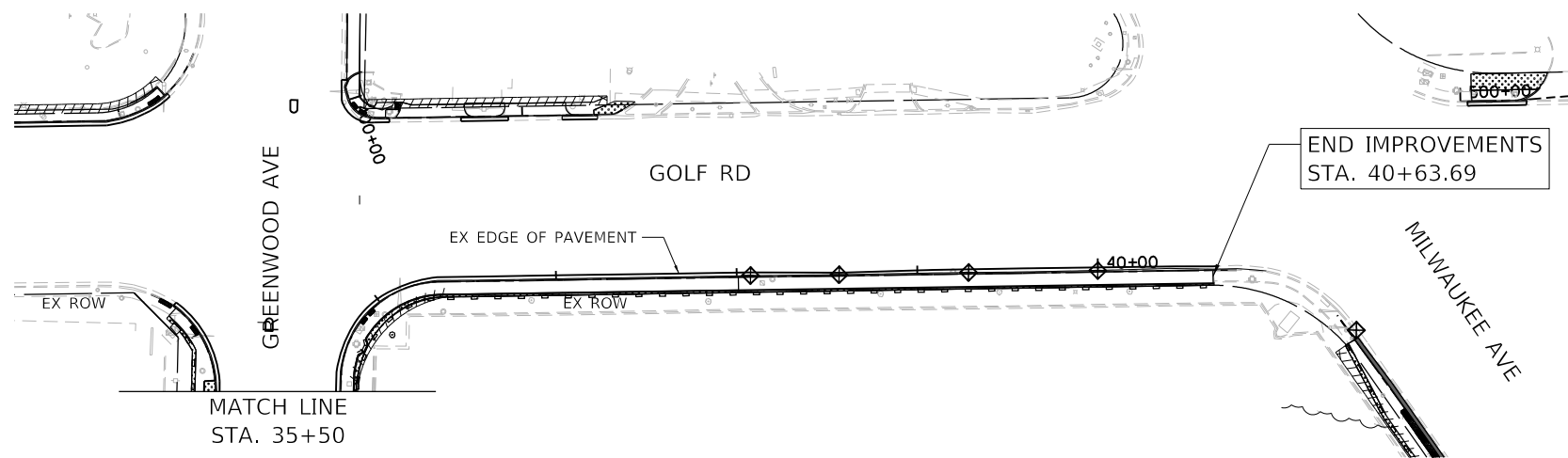


USER NAME = bhartma	DESIGNED - CL	REVISED -
	DRAWN - WJH	REVISED -
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PLOT DATE = 7/9/2024	DATE -	REVISED -

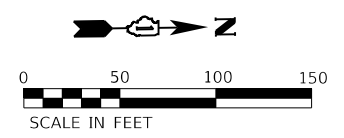
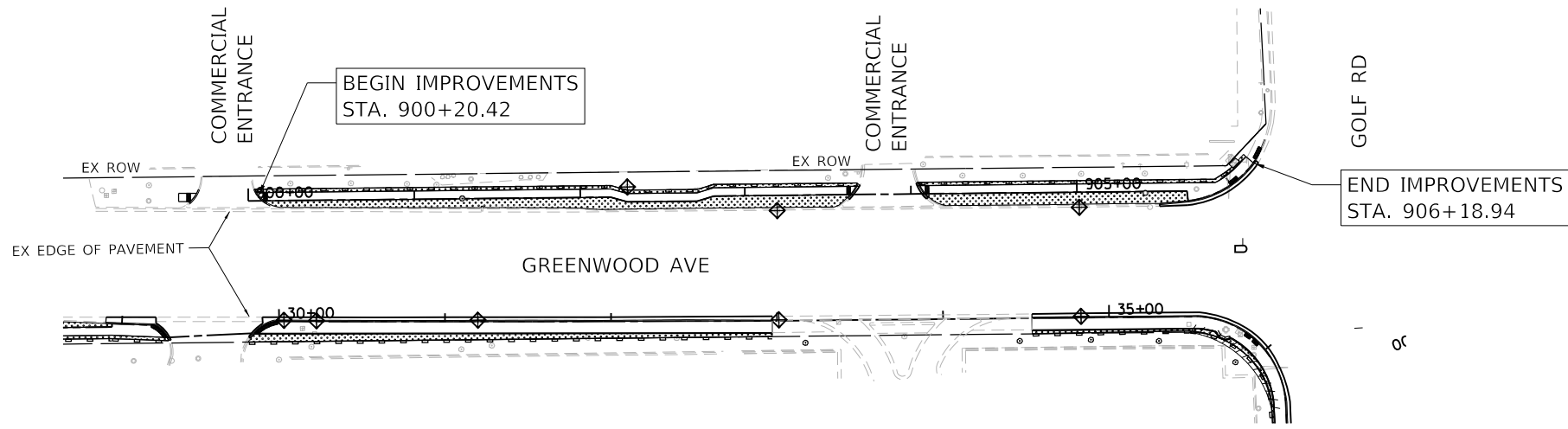
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL AND LANDSCAPING PLAN			
GREENWOOD AVENUE			
SCALE: 1"=50'	SHEET 2 OF 3 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	50
CONTRACT NO. 61174				
ILLINOIS FED. AID PROJECT				



LEGEND	
	PERIMETER EROSION BARRIER
	TEMPORARY DITCH CHECK
	INLET FILTERS
	SODDING, SALT TOLERANT



HRG PROJECT NO: 200452
 HRG PROJ CONTACT:
 FILE NAME: 200452-SHT-eros-grnw-03.dgn
 PEN TABLE: p101tbl.tbl



USER NAME = bhartma	DESIGNED - CL	REVISED -
	DRAWN - WJH	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - BDH	REVISED -
PLOT DATE = 7/9/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL AND LANDSCAPING PLAN			
GREENWOOD AVENUE			
SCALE: 1"=50'	SHEET 3 OF 3 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	51
CONTRACT NO.			61174	
ILLINOIS FED. AID PROJECT				

N. MARYLAND ST

BEGIN IMPROVEMENTS
STA. 2000+04.24

TAP LOCATION
EX ROW

EX ROW

COMMERCIAL
ENTRANCE

MATCH LINE
STA. 2006+00

00+00

MILWAUKEE AVE

4" SCH80 PVC SLEEVE
30" MIN DEPTH (PUSHED)

2005+00

PERENNIAL PLANTING SCHEDULE

1	QTY	BOTANICAL NAME/ITEM	SPACING
	130	RUDBECKIA HIRTA "CHERRY BRANDY"	12" O.C.; MATCHED TO PLAN
	6	PENNISETUM ALOPECUROIDES 'HAMELN'	24" O.C.; MATCHED TO PLAN

2	QTY	BOTANICAL NAME/ITEM	SPACING
	78	RUDBECKIA FULGIDA 'GOLDSTURM'	12" O.C.; MATCHED TO PLAN
	6	PENNISETUM ALOPECUROIDES 'HAMELN'	24" O.C.; MATCHED TO PLAN

3	QTY	BOTANICAL NAME/ITEM	SPACING
	90	COREOPSIS 'JETHRO TULL'	12" O.C.; MATCHED TO PLAN
	9	PENNISETUM ALOPECUROIDES 'HAMELN'	24" O.C.; MATCHED TO PLAN

CONSTRUCTION NOTE:
IRRIGATION DESIGN IS BASED ON A STATIC
PRESSURE OF 50 PSI. IN THE EVENT
PRESSURE IS LESS, IMMEDIATELY BRING TO
THE ATTENTION OF THE ENGINEER PRIOR TO
INSTALLATION.

NOTE:
PIPING AND OTHER EQUIPMENT
SHOWN IN PAVED AREAS IS FOR
CLARITY ONLY. ALL PIPING SHOULD
RUN THRU LANDSCAPED AREAS.



LEGEND

- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK
- INLET FILTERS
- SODDING, SALT TOLERANT

CONSTRUCTION NOTE:
IRRIGATION DESIGN IS BASED ON A STATIC
PRESSURE OF 50 PSI. IN THE EVENT
PRESSURE IS LESS, IMMEDIATELY BRING TO
THE ATTENTION OF THE ENGINEER PRIOR TO
INSTALLATION.

NOTE:
PIPING AND OTHER EQUIPMENT
SHOWN IN PAVED AREAS IS FOR
CLARITY ONLY. ALL PIPING SHOULD
RUN THRU LANDSCAPED AREAS.

IRRIGATION NOTES

- 1" PGV SOLENOID VALVE INSTALLED
IN VALVE BOX. ONE VALVE INSTALLED IN 10"
ROUND BOX, THREE VALVES INSTALLED
IN A STANDARD BOX
- CONTROLLER WITH A DUAL48M
2-WIRE MODULE INSTALLED INSIDE A STRONG BOX
ENCLOSURE. 110-VOLT POWER INTO THE CONTROLLER SHALL
BE INCLUDED IN THE COST OF IRRIGATION SYSTEM SPECIAL
CONTROL WIRE SHALL BE ID1BLU CABLE WITH A 14-1
WIRE INSTALLED FOR LOCATING. DECODERS SHALL BE
DUAL-1 OR DUAL-2 STATION DECODERS.
- DUAL-S. SURGE ARRESTOR. INSTALL WITH GROUND
ROD PER MANUFACTURERS RECOMMENDATION.
- RAIN / WEATHER SENSOR
LOCATION TO BE DETERMINED ONSITE
- 1" BACKFLOW PREVENTER WITH STRAINER INSTALLED
WITH A 1" WATER METER IN A
STRONG BOX ENCLOSURE. 1" TYPE K
METERED WATER SERVICE SHALL BE INCLUDED
IN THE COST OF IRRIGATION SYSTEM SPECIAL.
- 1" QUICK COUPLER. INSTALL PER
DETAIL AND SUPPLY KEYS AND SWIVELS.
- 12" SPRAY HEAD WITH MPR NOZZLE
- POLYETHYLENE LATERAL PIPING. UNMARKED LINES ARE
1", SIZE REMAINING ACCORDING TO LABELS.
- 1 1/2" PVC MAINLINE PIPING

3000+00

MATCH LINE
STA. 2006+00

MILWAUKEE AVE

PERENNIAL PLANTING SCHEDULE

4	QTY	BOTANICAL NAME/ITEM	SPACING
	106	ECHINACEA 'HOT CORAL'	12" O.C.; MATCHED TO PLAN
	9	PENNISETUM ALOPECUROIDES 'HAMELN'	24" O.C.; MATCHED TO PLAN

5	QTY	BOTANICAL NAME/ITEM	SPACING
	90	RUDBECKIA HIRTA "CHERRY BRANDY"	12" O.C.; MATCHED TO PLAN
	9	PENNISETUM ALOPECUROIDES 'HAMELN'	24" O.C.; MATCHED TO PLAN

6	QTY	BOTANICAL NAME/ITEM	SPACING
	90	RUDBECKIA FULGIDA 'GOLDSTURM'	12" O.C.; MATCHED TO PLAN
	9	PENNISETUM ALOPECUROIDES 'HAMELN'	24" O.C.; MATCHED TO PLAN

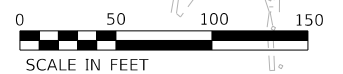
7	QTY	BOTANICAL NAME/ITEM	SPACING
	90	COREOPSIS 'JETHRO TULL'	12" O.C.; MATCHED TO PLAN
	9	PENNISETUM ALOPECUROIDES 'HAMELN'	24" O.C.; MATCHED TO PLAN

8	QTY	BOTANICAL NAME/ITEM	SPACING
	90	ECHINACEA 'HOT CORAL'	12" O.C.; MATCHED TO PLAN
	9	PENNISETUM ALOPECUROIDES 'HAMELN'	24" O.C.; MATCHED TO PLAN

9	QTY	BOTANICAL NAME/ITEM	SPACING
	82	RUDBECKIA FULGIDA 'GOLDSTURM'	12" O.C.; MATCHED TO PLAN
	9	PENNISETUM ALOPECUROIDES 'HAMELN'	24" O.C.; MATCHED TO PLAN

3005+00

MATCH LINE
STA. 2012+00



HRG PROJECT No. 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-SHT-IRRS-CP-MIL-01.dgn
 PLOT DATE: 7/9/2024
 PEN TABLE: 100/100/0/1/1



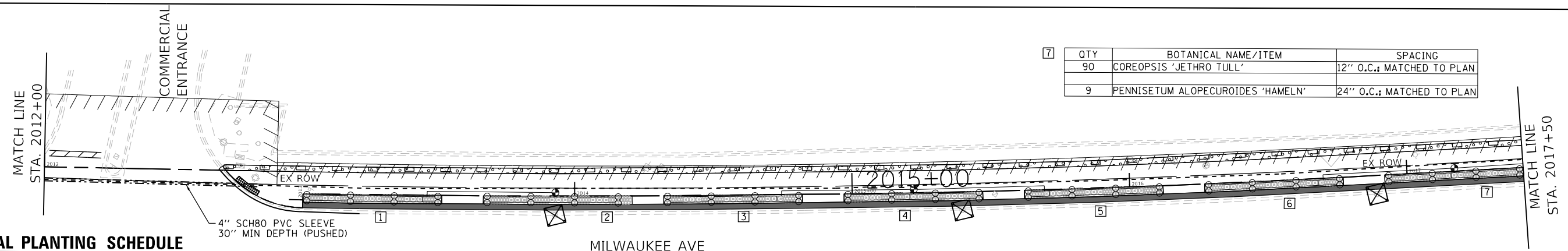
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	DRAWN - WJH	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - BDH	REVISED -
PLOT DATE = 7/9/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL AND LANDSCAPING PLAN
MILWAUKEE AVENUE**

SCALE: 1"=50' SHEET 1 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	52
			CONTRACT NO. 61174	
ILLINOIS FED. AID PROJECT				



QTY	BOTANICAL NAME/ITEM	SPACING
90	COREOPSIS 'JETHRO TULL'	12" O.C.; MATCHED TO PLAN
9	PENNISETUM ALOPECUROIDES 'HAMELN'	24" O.C.; MATCHED TO PLAN

PERENNIAL PLANTING SCHEDULE

1	QTY	BOTANICAL NAME/ITEM	SPACING
	90	RUDBECKIA HIRTA "CHERRY BRANDY"	12" O.C.; MATCHED TO PLAN
	9	PENNISETUM ALOPECUROIDES 'HAMELN'	24" O.C.; MATCHED TO PLAN

2	QTY	BOTANICAL NAME/ITEM	SPACING
	90	RUDBECKIA FULGIDA 'GOLDSTURM'	12" O.C.; MATCHED TO PLAN
	9	PENNISETUM ALOPECUROIDES 'HAMELN'	24" O.C.; MATCHED TO PLAN

3	QTY	BOTANICAL NAME/ITEM	SPACING
	90	COREOPSIS 'JETHRO TULL'	12" O.C.; MATCHED TO PLAN
	9	PENNISETUM ALOPECUROIDES 'HAMELN'	24" O.C.; MATCHED TO PLAN

4	QTY	BOTANICAL NAME/ITEM	SPACING
	90	ECHINACEA 'HOT CORAL'	12" O.C.; MATCHED TO PLAN
	9	PENNISETUM ALOPECUROIDES 'HAMELN'	24" O.C.; MATCHED TO PLAN

5	QTY	BOTANICAL NAME/ITEM	SPACING
	90	RUDBECKIA HIRTA "CHERRY BRANDY"	12" O.C.; MATCHED TO PLAN
	9	PENNISETUM ALOPECUROIDES 'HAMELN'	24" O.C.; MATCHED TO PLAN

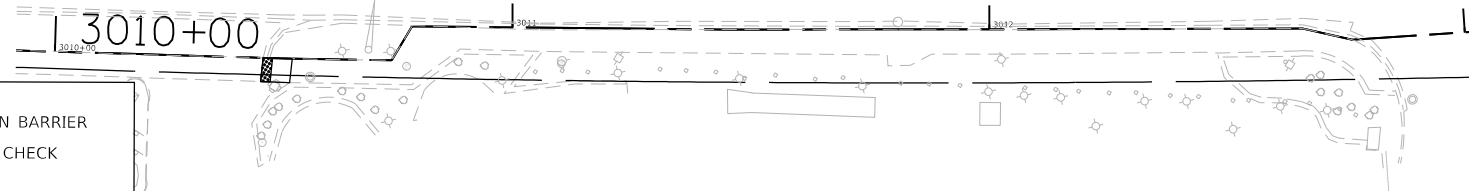
6	QTY	BOTANICAL NAME/ITEM	SPACING
	90	RUDBECKIA FULGIDA 'GOLDSTURM'	12" O.C.; MATCHED TO PLAN
	9	PENNISETUM ALOPECUROIDES 'HAMELN'	24" O.C.; MATCHED TO PLAN

CONSTRUCTION NOTE:
IRRIGATION DESIGN IS BASED ON A STATIC PRESSURE OF 50 PSI. IN THE EVENT PRESSURE IS LESS, IMMEDIATELY BRING TO THE ATTENTION OF THE ENGINEER PRIOR TO INSTALLATION.

NOTE:
PIPING AND OTHER EQUIPMENT SHOWN IN PAVED AREAS IS FOR CLARITY ONLY. ALL PIPING SHOULD RUN THRU LANDSCAPED AREAS.

IRRIGATION NOTES

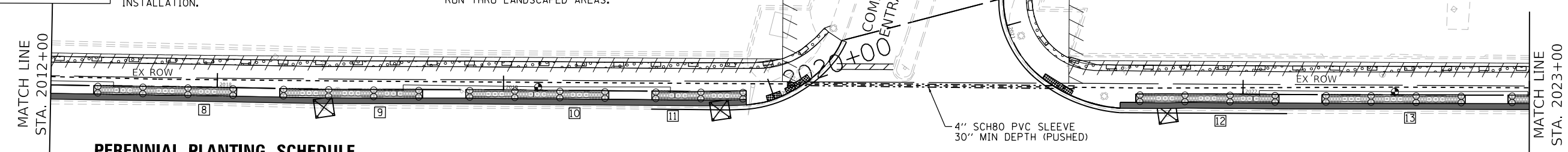
- 1" PGV SOLENOID VALVE INSTALLED IN VALVE BOX. ONE VALVE INSTALLED IN 10" ROUND BOX, THREE VALVES INSTALLED IN A STANDARD BOX
- CONTROLLER WITH A DUAL48M 2-WIRE MODULE INSTALLED INSIDE A STRONG BOX ENCLOSURE. 110-VOLT POWER INTO THE CONTROLLER SHALL BE INCLUDED IN THE COST OF IRRIGATION SYSTEM SPECIAL CONTROL WIRE SHALL BE ID1BLU CABLE WITH A 14-1 WIRE INSTALLED FOR LOCATING. DECODERS SHALL BE DUAL-1 OR DUAL-2 STATION DECODERS.
- DUAL-S, SURGE ARRESTOR. INSTALL WITH GROUND ROD PER MANUFACTURERS RECOMMENDATION.
- RAIN / WEATHER SENSOR LOCATION TO BE DETERMINED ONSITE
- 1" BACKFLOW PREVENTER WITH STRAINER INSTALLED WITH A 1" WATER METER IN A STRONG BOX ENCLOSURE. 1" TYPE K METERED WATER SERVICE SHALL BE INCLUDED IN THE COST OF IRRIGATION SYSTEM SPECIAL.
- 1" QUICK COUPLER. INSTALL PER DETAIL AND SUPPLY KEYS AND SWIVELS.
- 12" SPRAY HEAD WITH MPR NOZZLE
- POLYETHYLENE LATERAL PIPING. UNMARKED LINES ARE 1", SIZE REMAINING ACCORDING TO LABELS.
- 1 1/2" PVC MAINLINE PIPING



- LEGEND**
- PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK
 - INLET FILTERS
 - SODDING, SALT TOLERANT

CONSTRUCTION NOTE:
IRRIGATION DESIGN IS BASED ON A STATIC PRESSURE OF 50 PSI. IN THE EVENT PRESSURE IS LESS, IMMEDIATELY BRING TO THE ATTENTION OF THE ENGINEER PRIOR TO INSTALLATION.

NOTE:
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PERENNIAL PLANTING SCHEDULE

8	QTY	BOTANICAL NAME/ITEM	SPACING
	90	ECHINACEA 'HOT CORAL'	12" O.C.; MATCHED TO PLAN
	9	PENNISETUM ALOPECUROIDES 'HAMELN'	24" O.C.; MATCHED TO PLAN

9	QTY	BOTANICAL NAME/ITEM	SPACING
	90	RUDBECKIA HIRTA "CHERRY BRANDY"	12" O.C.; MATCHED TO PLAN
	9	PENNISETUM ALOPECUROIDES 'HAMELN'	24" O.C.; MATCHED TO PLAN

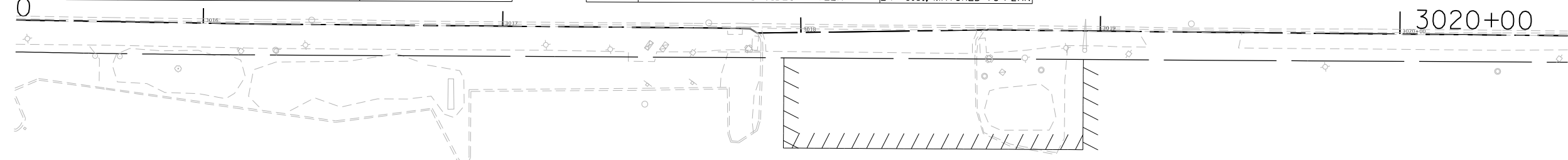
10	QTY	BOTANICAL NAME/ITEM	SPACING
	90	RUDBECKIA FULGIDA 'GOLDSTURM'	12" O.C.; MATCHED TO PLAN
	11	PENNISETUM ALOPECUROIDES 'HAMELN'	24" O.C.; MATCHED TO PLAN

11	QTY	BOTANICAL NAME/ITEM	SPACING
	59	COREOPSIS 'JETHRO TULL'	12" O.C.; MATCHED TO PLAN
	6	PENNISETUM ALOPECUROIDES 'HAMELN'	24" O.C.; MATCHED TO PLAN

12	QTY	BOTANICAL NAME/ITEM	SPACING
	90	ECHINACEA 'HOT CORAL'	12" O.C.; MATCHED TO PLAN
	9	PENNISETUM ALOPECUROIDES 'HAMELN'	24" O.C.; MATCHED TO PLAN

13	QTY	BOTANICAL NAME/ITEM	SPACING
	90	RUDBECKIA HIRTA "CHERRY BRANDY"	12" O.C.; MATCHED TO PLAN
	9	PENNISETUM ALOPECUROIDES 'HAMELN'	24" O.C.; MATCHED TO PLAN

MILWAUKEE AVE



HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-sht-irrig-mil-02.dgn
 PLOT DRIVER: L:\dwf_bdw\p1ctg
 PEN TABLE: p1ctg.tbl



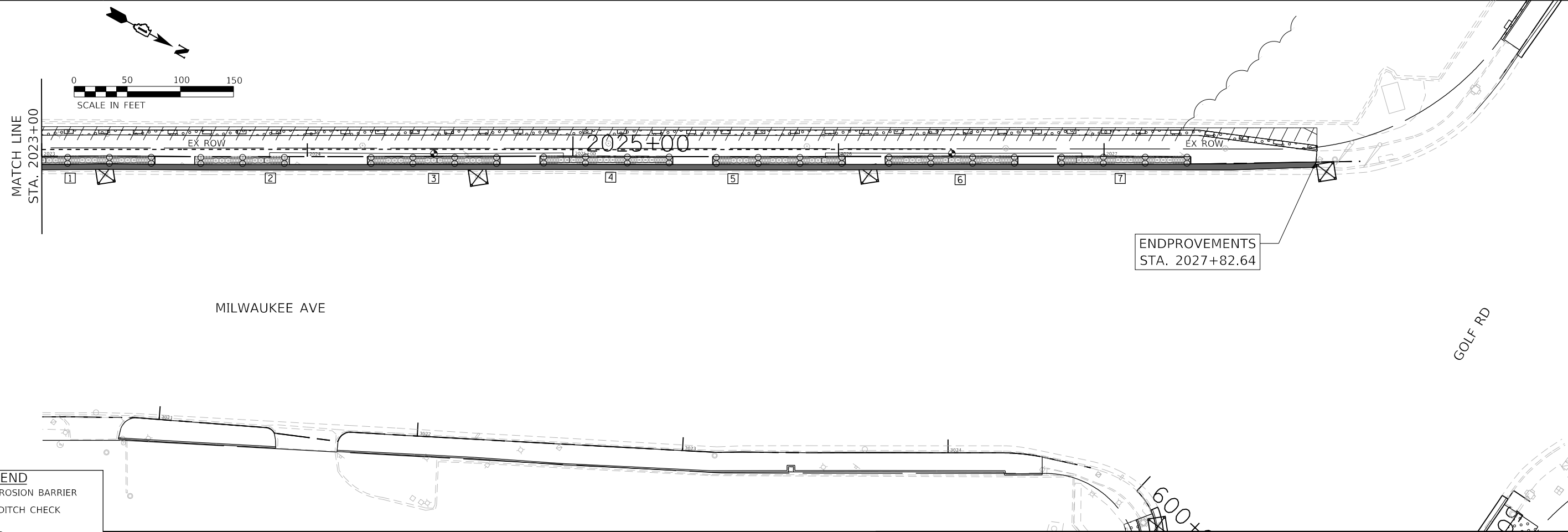
USER NAME = bhartma	DESIGNED - CL	REVISED -
PLOT SCALE = 40.2409' / in.	DRAWN - WJH	REVISED -
PLOT DATE = 7/9/2024	CHECKED - BDH	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL AND LANDSCAPING PLAN
MILWAUKEE AVENUE

SCALE: 1"=50' SHEET 2 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	53
				CONTRACT NO. 61174
ILLINOIS FED. AID PROJECT				



LEGEND

- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK
- INLET FILTERS
- SODDING, SALT TOLERANT

PERENNIAL PLANTING SCHEDULE

[]	QTY	BOTANICAL NAME/ITEM	SPACING
1	90	RUDBECKIA HIRTA "CHERRY BRANDY"	12" O.C.; MATCHED TO PLAN
	9	PENNISETUM ALOPECUROIDES 'HAMELN'	24" O.C.; MATCHED TO PLAN
2	66	RUDBECKIA FULGIDA 'GOLDSTURM'	12" O.C.; MATCHED TO PLAN
	6	PENNISETUM ALOPECUROIDES 'HAMELN'	24" O.C.; MATCHED TO PLAN
3	90	COREOPSIS 'JETHRO TULL'	12" O.C.; MATCHED TO PLAN
	9	PENNISETUM ALOPECUROIDES 'HAMELN'	24" O.C.; MATCHED TO PLAN
4	90	ECHINACEA 'HOT CORAL'	12" O.C.; MATCHED TO PLAN
	9	PENNISETUM ALOPECUROIDES 'HAMELN'	24" O.C.; MATCHED TO PLAN
5	90	RUDBECKIA HIRTA "CHERRY BRANDY"	12" O.C.; MATCHED TO PLAN
	9	PENNISETUM ALOPECUROIDES 'HAMELN'	24" O.C.; MATCHED TO PLAN
6	90	RUDBECKIA FULGIDA 'GOLDSTURM'	12" O.C.; MATCHED TO PLAN
	9	PENNISETUM ALOPECUROIDES 'HAMELN'	24" O.C.; MATCHED TO PLAN
7	90	COREOPSIS 'JETHRO TULL'	12" O.C.; MATCHED TO PLAN
	9	PENNISETUM ALOPECUROIDES 'HAMELN'	24" O.C.; MATCHED TO PLAN

IRRIGATION NOTES

- 1" PGV SOLENOID VALVE INSTALLED IN VALVE BOX. ONE VALVE INSTALLED IN 10" ROUND BOX, THREE VALVES INSTALLED IN A STANDARD BOX
- CONTROLLER WITH A DUAL48M 2-WIRE MODULE INSTALLED INSIDE A STRONG BOX ENCLOSURE. 110-VOLT POWER INTO THE CONTROLLER SHALL BE INCLUDED IN THE COST OF IRRIGATION SYSTEM SPECIAL CONTROL WIRE SHALL BE ID1BLU CABLE WITH A 14-1 WIRE INSTALLED FOR LOCATING. DECODERS SHALL BE DUAL-1 OR DUAL-2 STATION DECODERS.
- DUAL-S. SURGE ARRESTOR. INSTALL WITH GROUND ROD PER MANUFACTURERS RECOMMENDATION.
- RAIN / WEATHER SENSOR LOCATION TO BE DETERMINED ONSITE
- 1" BACKFLOW PREVENTER WITH STRAINER INSTALLED WITH A 1" WATER METER IN A STRONG BOX ENCLOSURE. 1" TYPE K METERED WATER SERVICE SHALL BE INCLUDED IN THE COST OF IRRIGATION SYSTEM SPECIAL.
- 1" QUICK COUPLER. INSTALL PER DETAIL AND SUPPLY KEYS AND SWIVELS.
- 12" SPRAY HEAD WITH MPR NOZZLE
- POLYETHYLENE LATERAL PIPING. UNMARKED LINES ARE 1", SIZE REMAINING ACCORDING TO LABELS.
- 1 1/2" PVC MAINLINE PIPING

CONSTRUCTION NOTE:
IRRIGATION DESIGN IS BASED ON A STATIC PRESSURE OF 50 PSI. IN THE EVENT PRESSURE IS LESS, IMMEDIATELY BRING TO THE ATTENTION OF THE ENGINEER PRIOR TO INSTALLATION.

NOTE:
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HRG PROJECT No: 200452
 HRG PROJ CONTACT:
 FILE NAME: 200452-SHT-INDSCP-MI-03.dgn
 PEN TABLE: 1/10/2024



USER NAME = bhartma	DESIGNED - CL	REVISED -
PLOT SCALE = 40,0000' / in.	DRAWN - WJH	REVISED -
PLOT DATE = 7/9/2024	CHECKED - BDH	REVISED -
	DATE -	REVISED -

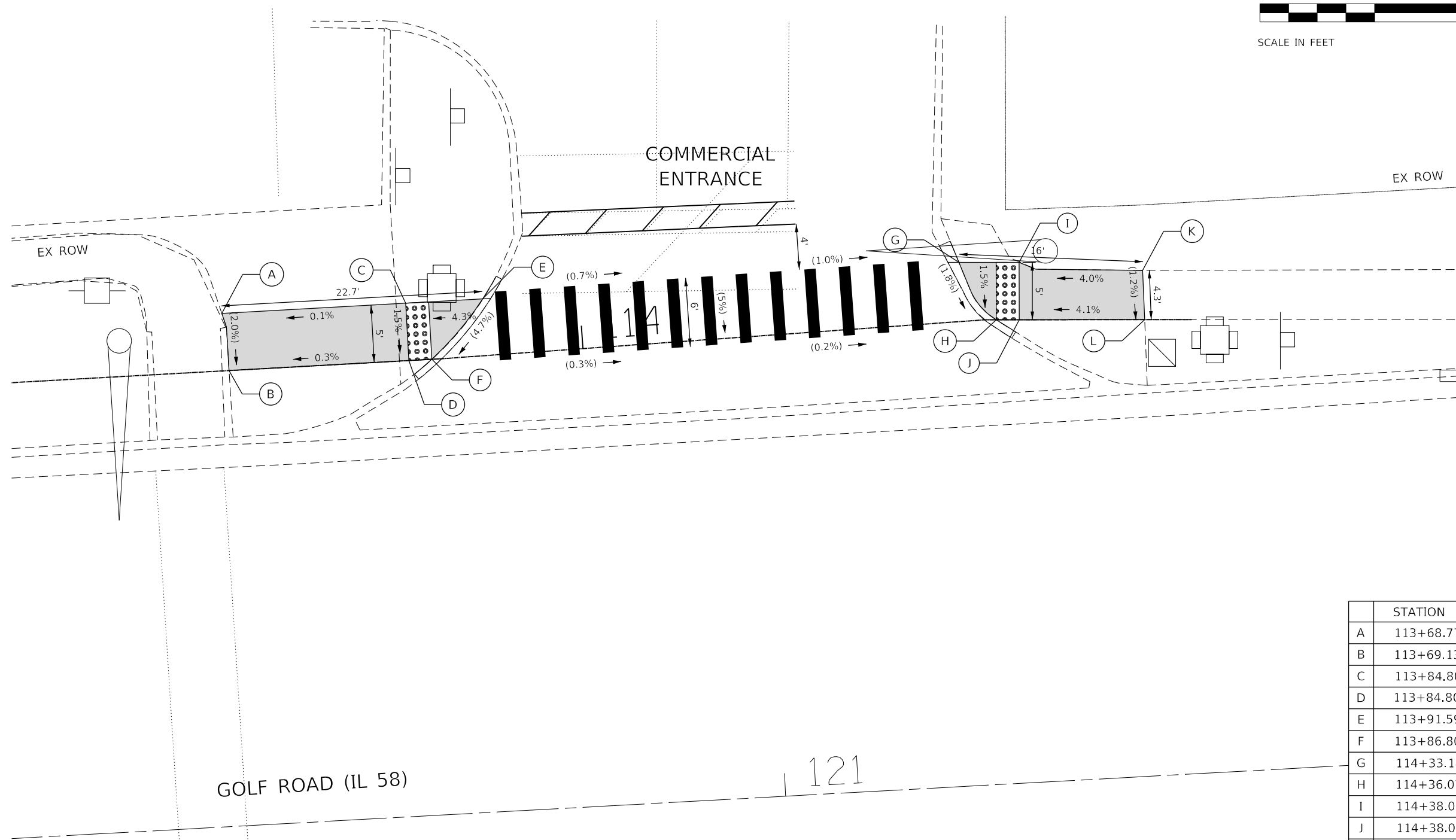
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL AND LANDSCAPING PLAN		
MILWAUKEE AVENUE		
SCALE: 1"=50'	SHEET 2 OF 3 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	54
CONTRACT NO. 61174				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	



	STATION	OFFSET	ELEVATION
A	113+68.77	5.00 LT	(644.40)
B	113+69.13	0.00 RT	(644.30)
C	113+84.80	5.00 LT	644.42
D	113+84.80	0.00 RT	644.35
E	113+91.59	4.94 LT	(644.71)
F	113+86.80	0.00 RT	(644.39)
G	114+33.18	5.15 LT	(644.37)
H	114+36.07	0.00 LT	(644.26)
I	114+38.07	5.00 LT	644.37
J	114+38.07	0.00 LT	644.30
K	114+48.32	4.29 LT	(644.80)
L	114+48.99	0.00 LT	(644.75)

REFERENCE BENCHMARK ELEV 642.72
 BENCHMARK : VILLAGE OF NILES SURVEY MONUMENT 24
 LOCATION : NORTH PARKWAY GOLF ROAD, APPROXIMATELY 350' EAST OF DEE ROAD

LEGEND

xx.xx' EXISTING LENGTH

PROPOSED SIDE CURB

() EXISTING ELEVATION/SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

HRG PROJECT NO.: 200462
 HRG PROJ. CONTACT: 200462-shr-amps-golf-01.dgn
 FILE NAME: 200462-shr-amps-golf-01.dgn
 PEN TABLE:



USER NAME = bhartna	DESIGNED - CL	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - BDH	REVISED -
PLOT DATE = 7/9/2024	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1"=20'		SHEET 1 OF 17 SHEETS		STA.	TO STA.
---------------	--	----------------------	--	------	---------

SIDEWALK RAMP DETAILS
GOLF ROAD AT GOLF GLEN MART

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	55
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61J74	

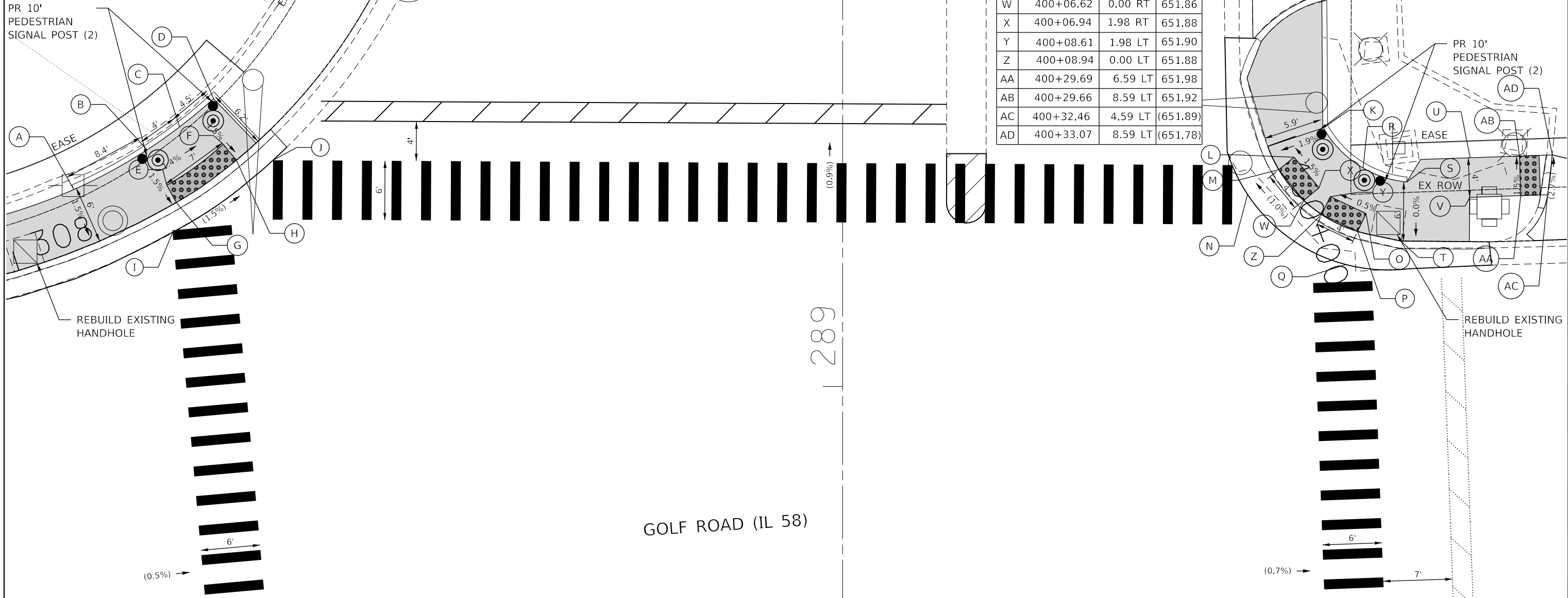
PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	BY	

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

	STATION	OFFSET	ELEVATION
A	308+08.20	5.82 LT	652.10
B	308+17.53	6.09 LT	651.81
C	308+22.26	6.20 LT	651.76
D	308+27.31	6.21 LT	651.70
E	308+17.43	2.00 LT	651.75
F	308+24.81	2.09 LT	651.65
G	308+17.38	0.00 LT	651.72
H	308+24.81	0.00 LT	651.62
I	308+15.59	2.50 RT	(651.75)
J	308+27.54	2.44 RT	(651.56)

	STATION	OFFSET	ELEV.
K	400+00.31	5.96 LT	651.90
L	400+02.27	1.96 LT	651.82
M	400+02.60	0.00 RT	651.79
N	400+01.31	2.51 RT	(651.79)
O	400+13.29	1.98 LT	651.92
P	400+12.96	0.00 LT	651.90
Q	400+12.85	3.55 RT	(651.90)
R	400+10.55	6.18 LT	652.00
S	400+16.80	5.96 LT	652.23
T	400+17.46	0.00 RT	652.23
U	400+24.37	8.48 LT	652.20
V	400+24.37	4.48 LT	652.27
W	400+06.62	0.00 RT	651.86
X	400+06.94	1.98 RT	651.88
Y	400+08.61	1.98 LT	651.90
Z	400+08.94	0.00 LT	651.88
AA	400+29.69	6.59 LT	651.98
AB	400+29.66	8.59 LT	651.92
AC	400+32.46	4.59 LT	(651.89)
AD	400+33.07	8.59 LT	(651.78)

PR 10' PEDESTRIAN SIGNAL POST (2)



REFERENCE BENCHMARK ELEV 652.17

BENCHMARK : CHISELED CROSS ON NORTH SIDE SIGNAL POST FOUNDATION

LOCATION : SOUTHWEST CORNER GOLF ROAD AND GREENWOOD AVE

LEGEND

xx.xx'

EXISTING LENGTH

=====

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS

HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT: 200452-sh-ramps-golf-02.dgn
 FILE NAME: 200452-sh-ramps-golf-02.dgn
 PEN TABLE:



USER NAME = bhar-ta	DESIGNED - CL	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / 1"	CHECKED - BDH	REVISED -
PLOT DATE = 7/9/2024	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS
 GOLF ROAD AT GREENWOOD AVENUE

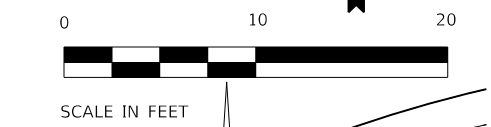
SCALE: 1"=20'

SHEET 2 OF 17 SHEETS

STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	56
CONTRACT NO. 61J74				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

	STATION	OFFSET	ELEVATION
A	906+15.91	6.09 LT	652.00
B	906+15.04	2.51 RT	(651.92)
C	906+05.63	6.03 LT	651.87
D	906+13.86	2.11 LT	651.81
E	906+05.70	0.11 LT	651.78
F	906+04.59	2.54 RT	(651.78)
G	905+99.57	6.00 LT	651.80
H	905+99.69	2.00 LT	651.74
I	905+99.75	0.00 LT	651.71
J	905+99.77	2.51 RT	(651.69)



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

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

GOLF ROAD (IL 58)

GREENWOOD AVE

PR 10' PEDESTRIAN SIGNAL POST

REBUILD EXISTING DOUBLE HANDHOLE

RELOCATED TRAFFIC SIGNAL POST

PR 10' PEDESTRIAN SIGNAL POST (2)

	STATION	OFFSET	SIDEWALK ELEV.	SIDE CURB ELEV.
K	35+68.23	0.00 RT	(651.93)	-
L	35+66.67	7.23 RT	652.03	652.69
M	35+83.99	2.43 LT	(651.50)	-
N	35+84.47	0.00 LT	651.50	-
O	35+84.42	1.99 RT	651.53	-
P	35+86.47	7.38 RT	651.63	652.97
Q	35+92.86	2.50 LT	(651.54)	-
R	35+94.64	0.00 RT	651.54	-
S	35+94.78	2.00 RT	651.57	-
T	35+92.77	7.40 RT	651.67	652.93
U	36+11.44	0.00 RT	(652.22)	-
V	36+11.59	7.32 RT	652.32	652.85
W	35+88.47	0.04 LT	651.53	-
X	35+88.56	1.95 RT	651.56	-
Y	35+90.64	0.03 LT	651.55	-
Z	35+90.63	1.97 RT	651.58	-
AA	35+53.96	7.00' RT	651.96	652.63
AB	35+69.96	9.79 RT	652.06	653.43
AC	35+74.82	9.85 RT	652.11	653.52
AD	35+78.19	7.33 RT	651.82	653.24

REFERENCE BENCHMARK ELEV 652.17
 BENCHMARK : CHISELED CROSS ON NORTH SIDE SIGNAL POST FOUNDATION
 LOCATION : SOUTHWEST CORNER GOLF ROAD AND GREENWOOD AVE

LEGEND

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS

HRG PROJECT NO.: 200442
 HRG PROJ. CONTACT: 200442-sh-ramps-golf-03.dgn
 FILE NAME: 200442-sh-ramps-golf-03.dgn
 PEN TABLE: pofc06b1.fbi



USER NAME = bhar-tmo	DESIGNED - CL	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 7/9/2024	CHECKED - BDH	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

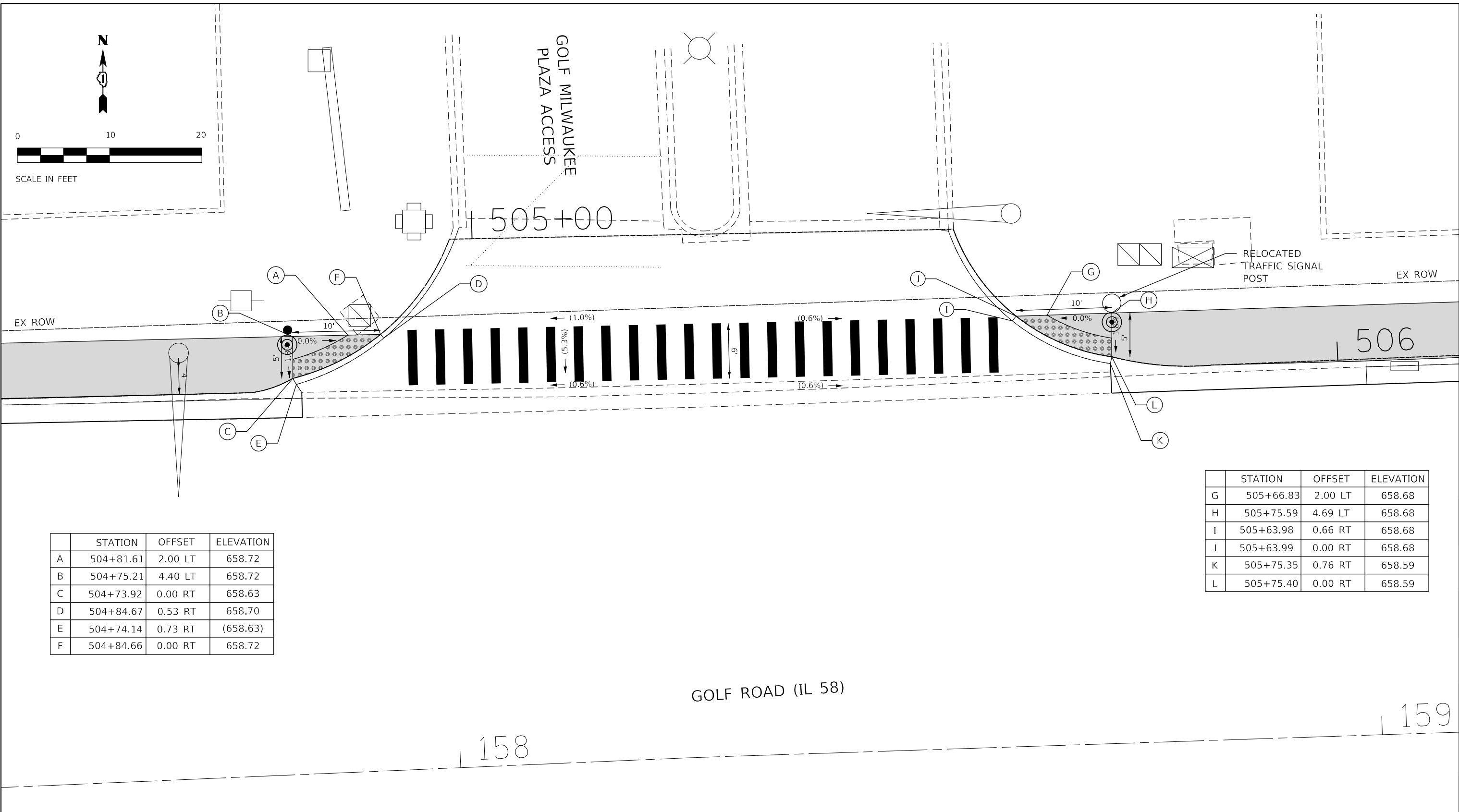
SIDEWALK RAMP DETAILS
GOLF ROAD AT GREENWOOD AVENUE

SCALE: 1"=20' SHEET 3 OF 17 SHEETS STA. TO STA.

F.A.U. R.E.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	57
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61J74	

DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
NOTED	
CHECKED	
FILE NAME	
NO.	

DATE	
BY	
PROFILE	
SURVEYED	
GRADES	
CHECKED	
FILE NAME	
NO.	



	STATION	OFFSET	ELEVATION
A	504+81.61	2.00 LT	658.72
B	504+75.21	4.40 LT	658.72
C	504+73.92	0.00 RT	658.63
D	504+84.67	0.53 RT	658.70
E	504+74.14	0.73 RT	(658.63)
F	504+84.66	0.00 RT	658.72

	STATION	OFFSET	ELEVATION
G	505+66.83	2.00 LT	658.68
H	505+75.59	4.69 LT	658.68
I	505+63.98	0.66 RT	658.68
J	505+63.99	0.00 RT	658.68
K	505+75.35	0.76 RT	658.59
L	505+75.40	0.00 RT	658.59

REFERENCE BENCHMARK ELEV 656.80
 BENCHMARK : FIRE HYDRANT, NORTHWEST FLANGE BOLT
 LOCATION : NORTHEAST CORNER OF GOLF ROAD AND MILWAUKEE AVENUE

LEGEND

xx.xx' EXISTING LENGTH

PROPOSED SIDE CURB

() EXISTING ELEVATION/SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

HRG PROJECT NO.: 200462
 HRG PROJ. CONTACT: 200462-shr-ramps-golf-04.dgn
 FILE NAME: 200462-shr-ramps-golf-04.dgn
 PEN TABLE:



USER NAME = bharto	DESIGNED - CL	REVISED -
PLOT SCALE = 10.0000' / 1"	DRAWN -	REVISED -
PLOT DATE = 7/22/2024	CHECKED - BDH	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1"=20'	SHEET 4 OF 17 SHEETS	STA. TO STA.
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F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	58
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61J74	

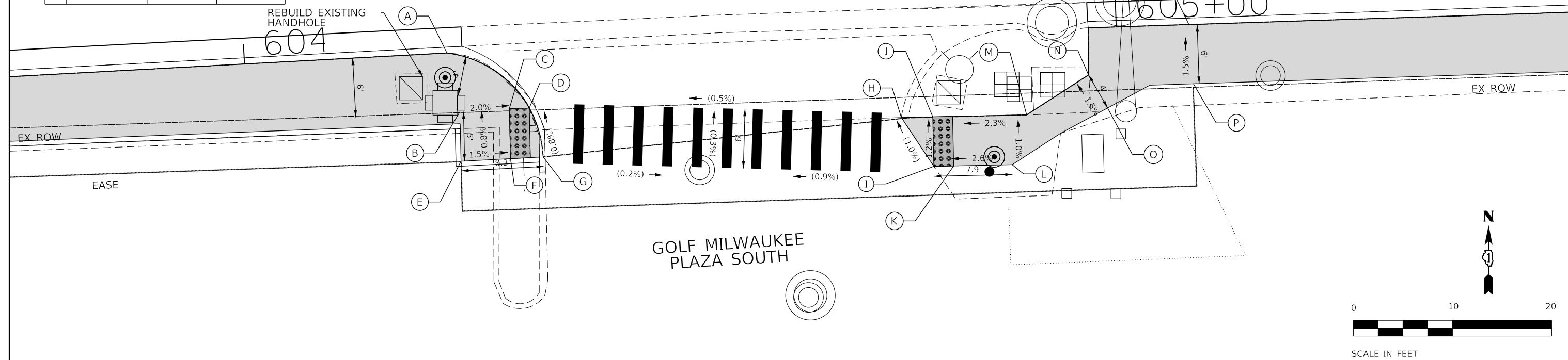
159

158

GOLF ROAD (IL 58)

	STATION	OFFSET	ELEVATION
H	604+72.35	0.11 LT	659.24
I	604+75.50	4.96 RT	659.30
J	604+75.53	0.04 LT	659.27
K	604+77.50	4.97 RT	659.33
L	604+83.41	4.99 RT	659.55
M	604+85.00	0.00 RT	659.50
N	604+92.43	0.00 RT	659.52
O	604+92.23	3.85 RT	659.58
P	605+07.61	6.00 RT	659.34
Q	605+07.35	0.00 LT	659.25

	STATION	OFFSET	ELEVATION
A	604+20.46	0.00 RT	659.28
B	604+24.46	5.37 RT	659.17
C	604+28.39	0.00 LT	659.07
D	604+30.83	0.01 RT	659.04
E	604+36.00	8.29 RT	659.21
F	604+36.00	3.29 RT	659.13
G	604+36.20	0.00 RT	659.08



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

REFERENCE BENCHMARK ELEV 656.80
 BENCHMARK : FIRE HYDRANT, NORTHWEST FLANGE BOLT
 LOCATION : NORTHEAST CORNER OF GOLF ROAD AND MILWAUKEE AVENUE

LEGEND

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS

HRG PROJECT NO.: 200462
 HRG PROJ. CONTACT: 200462-shr-ramps-golf-05.dgn
 FILE NAME: 200462.dwg
 PEN TABLE:



USER NAME = bhartna	DESIGNED - CL	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / 1"	CHECKED - BDH	REVISED -
PLOT DATE = 7/22/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS
GOLF ROAD AT GOLF MILWAUKEE PLAZA

SCALE: 1"=20' SHEET 5 OF 17 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	59
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61J74	



SCALE IN FEET

164

165+00

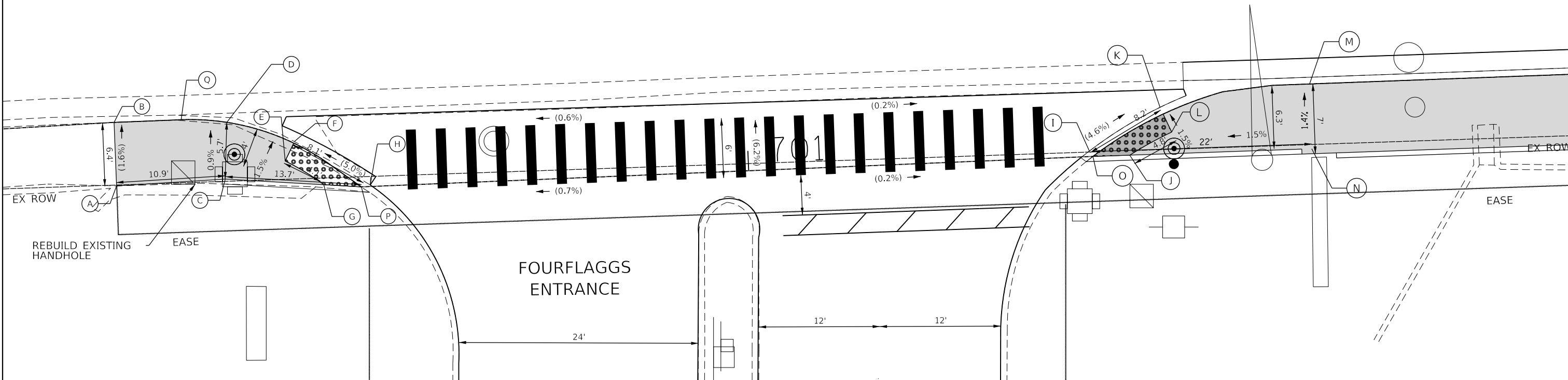
GOLF ROAD (IL 58)

	STATION	OFFSET	ELEVATION
A	700+34.43	6.37 RT	(662.10)
B	700+34.55	0.00 RT	(662.00)
C	700+46.86	5.64 RT	662.03
D	700+45.90	0.00 RT	661.98
E	700+52.97	2.00 RT	661.75
F	700+52.97	0.00 RT	(661.72)
G	700+57.86	2.01 RT	661.82
H	700+61.97	0.16 LT	(662.16)
P	700+61.07	0.00 RT	662.09
Q	700+41.30	0.01 RT	661.99

	STATION	OFFSET	ELEVATION
I	701+34.28	0.56 LT	(662.29)
J	701+37.81	2.00 RT	662.03
K	701+42.86	0.75 LT	(661.91)
L	701+42.86	2.00 RT	661.94
M	701+58.02	0.00 RT	(662.21)
N	701+58.01	6.51 RT	662.31
O	701+34.62	0.00 RT	662.23

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	FILE NAME	
	NO.	

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



REFERENCE BENCHMARK ELEV 665.89
 BENCHMARK : FIRE HYDRANT SOUTHEAST FLANGE BOLT
 LOCATION : APPROX. 530' EAST OF MAIN ENTRANCE FOURFLAGGS MALL

LEGEND

xx.xx'

EXISTING LENGTH

=====

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS

HRG PROJECT NO.: 200442
 HRG PROJ. CONTACT: 200442-shr-ramps-golf-06.dgn
 FILE NAME: 200442-shr-ramps-golf-06.dgn
 PEN TABLE:



USER NAME = bhartha	DESIGNED - CL	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / 1"	CHECKED - BDH	REVISED -
PLOT DATE = 7/22/2024	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS GOLF ROAD AT FOURFLAGGS

SCALE: 1"=20' SHEET 6 OF 17 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	60
CONTRACT NO. 61J74				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOT AT THIS OFFICE	
	NO. _____	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOT AT THIS OFFICE	
	NO. _____	

HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT: 200452-shr-ramps-Greenwood-00.dgn
 FILE NAME: 200452-shr-ramps-Greenwood-00.dgn
 PEN TABLE:

USER NAME = bhartna	DESIGNED - CL	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / 1"	CHECKED - BDH	REVISED -
PLOT DATE = 7/9/2024	DATE -	REVISED -

LEGEND

xx.xx' EXISTING LENGTH

PROPOSED SIDE CURB

() EXISTING ELEVATION/SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

REFERENCE BENCHMARK ELEV 645.67

BENCHMARK : FIRE HYDRANT, NORTHWEST FLANGE BOLT

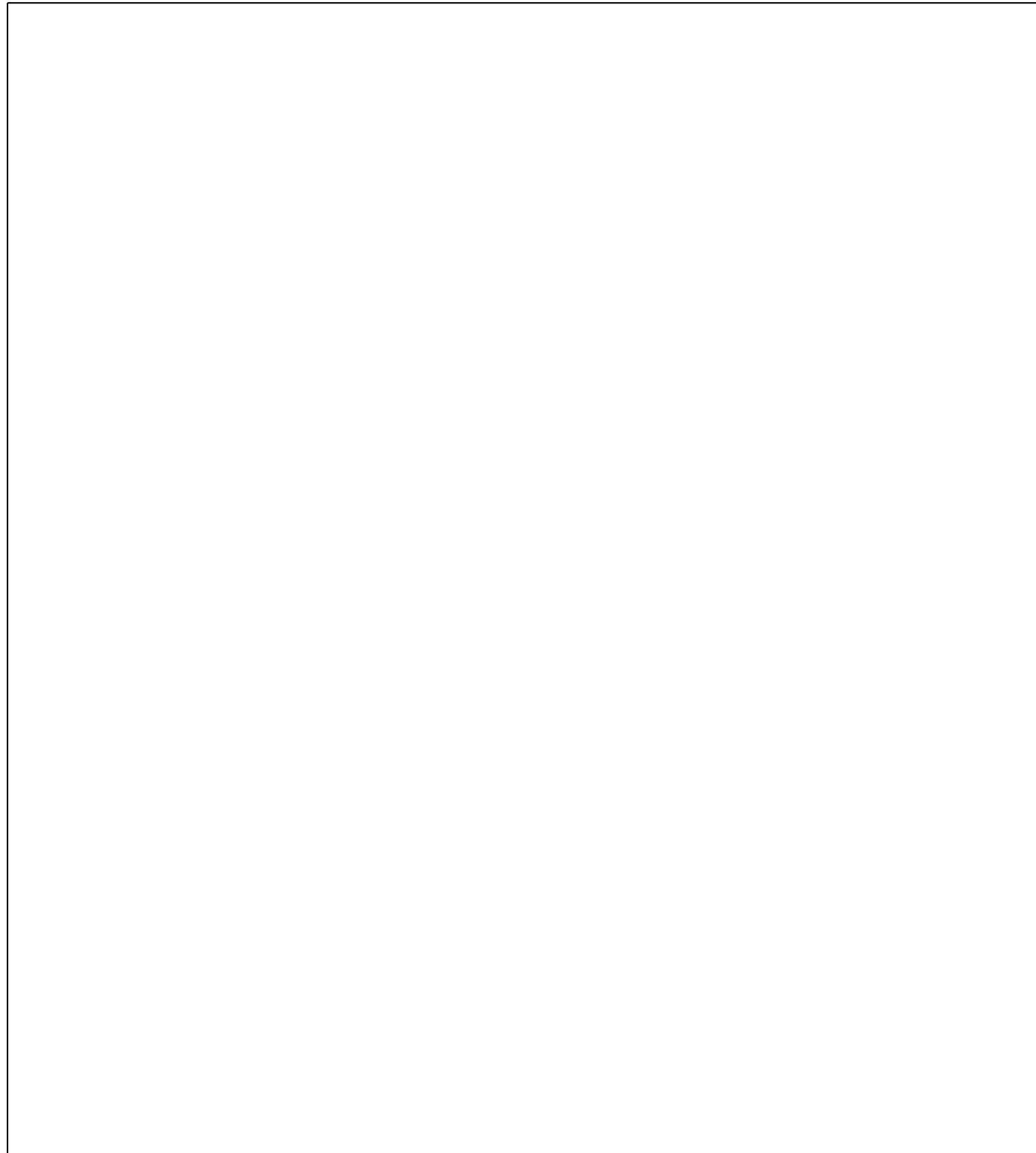
LOCATION : NORTHEAST CORNER OF GREENWOOD AVE AND ROSEVIEW DR

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	61
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61J74	

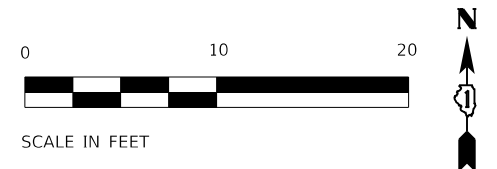
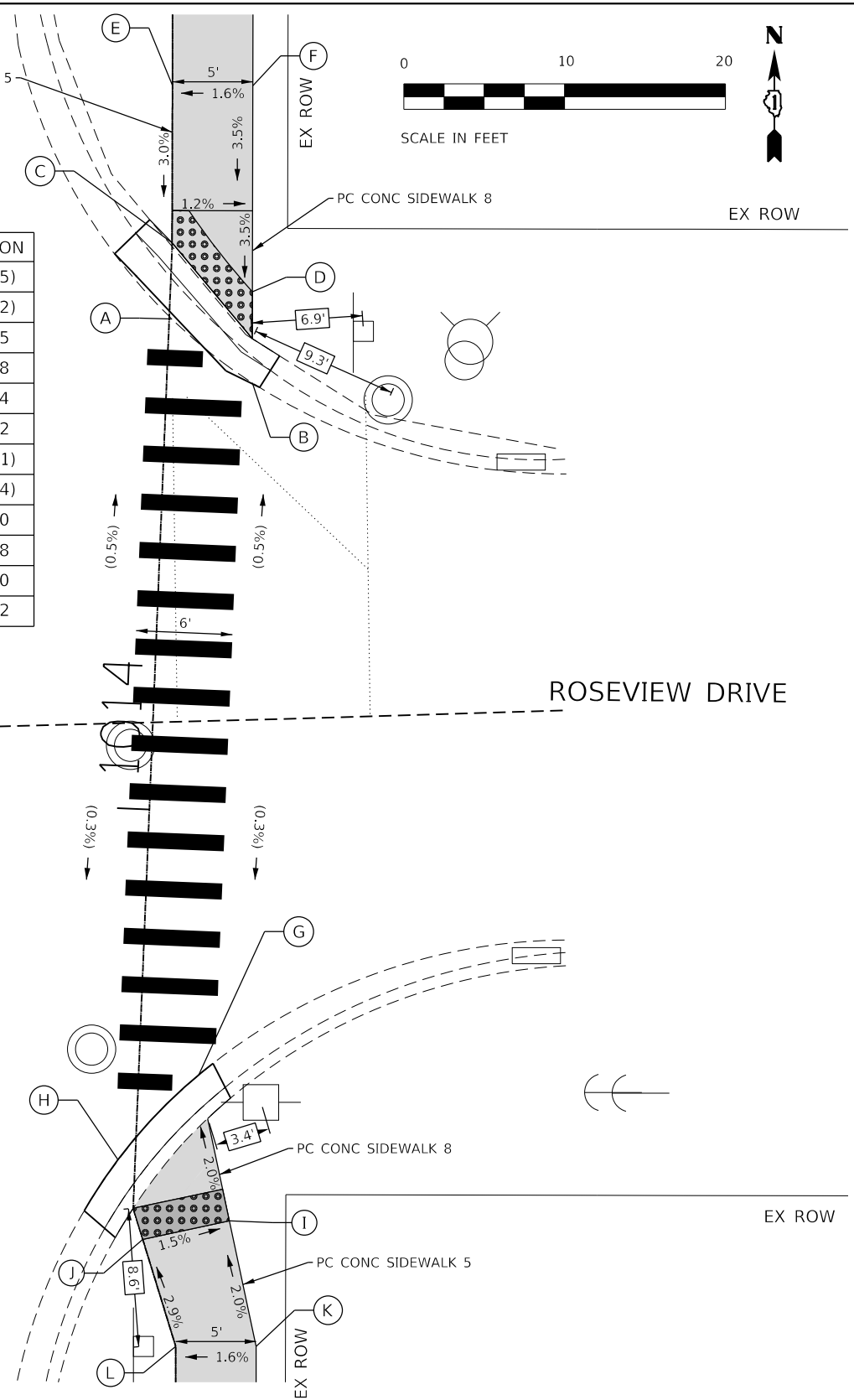
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS
GREENWOOD AVE AT ROSEVIEW DR

SCALE: 1"=20' SHEET 7 OF 17 SHEETS STA. TO STA.



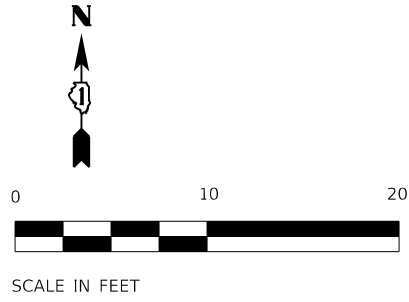
	STATION	OFFSET	ELEVATION
A	1014+30.50	0.17 RT	(644.85)
B	1014+26.75	5.32 RT	(644.62)
C	1014+35.24	0.00 LT	644.85
D	1014+32.59	5.10 RT	644.78
E	1014+45.01	0.00 LT	645.14
F	1014+45.02	5.00 RT	645.22
G	1013+83.60	3.72 RT	(644.91)
H	1013+78.15	1.05 LT	(645.14)
I	1013+72.68	5.49 RT	645.10
J	1013+73.17	0.00 RT	645.18
K	1013+66.21	5.00 RT	645.50
L	1013+66.21	0.00 RT	645.42



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

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

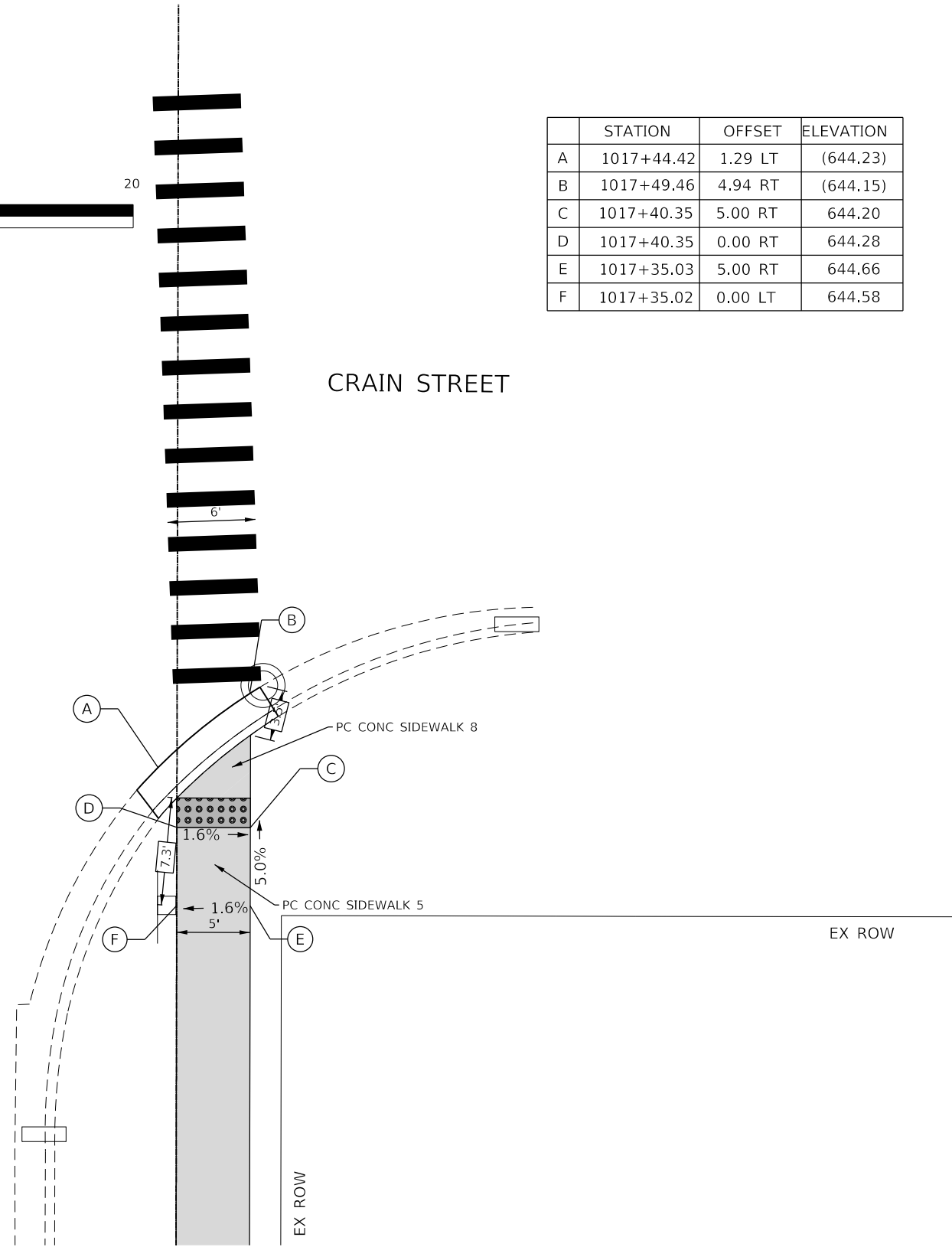
HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT: 200452-shr-ramps-greenwood-02.dgn
 FILE NAME: 200452-shr-ramps-greenwood-02.dgn
 PEN TABLE:



	STATION	OFFSET	ELEVATION
A	1017+44.42	1.29 LT	(644.23)
B	1017+49.46	4.94 RT	(644.15)
C	1017+40.35	5.00 RT	644.20
D	1017+40.35	0.00 RT	644.28
E	1017+35.03	5.00 RT	644.66
F	1017+35.02	0.00 LT	644.58

GREENWOOD AVENUE

CRAIN STREET



REFERENCE BENCHMARK ELEV 645.67
 BENCHMARK : FIRE HYDRANT, NORTHWEST FLANGE BOLT
 LOCATION : NORTHEAST CORNER OF GREENWOOD AVE AND ROSEVIEW DR

LEGEND

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS



USER NAME = bhartha	DESIGNED - CL	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / 1"	CHECKED - BDH	REVISED -
PLOT DATE = 7/9/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIDEWALK RAMP DETAILS
GREENWOOD AVE AT CRAIN ST & CHURCH ST**

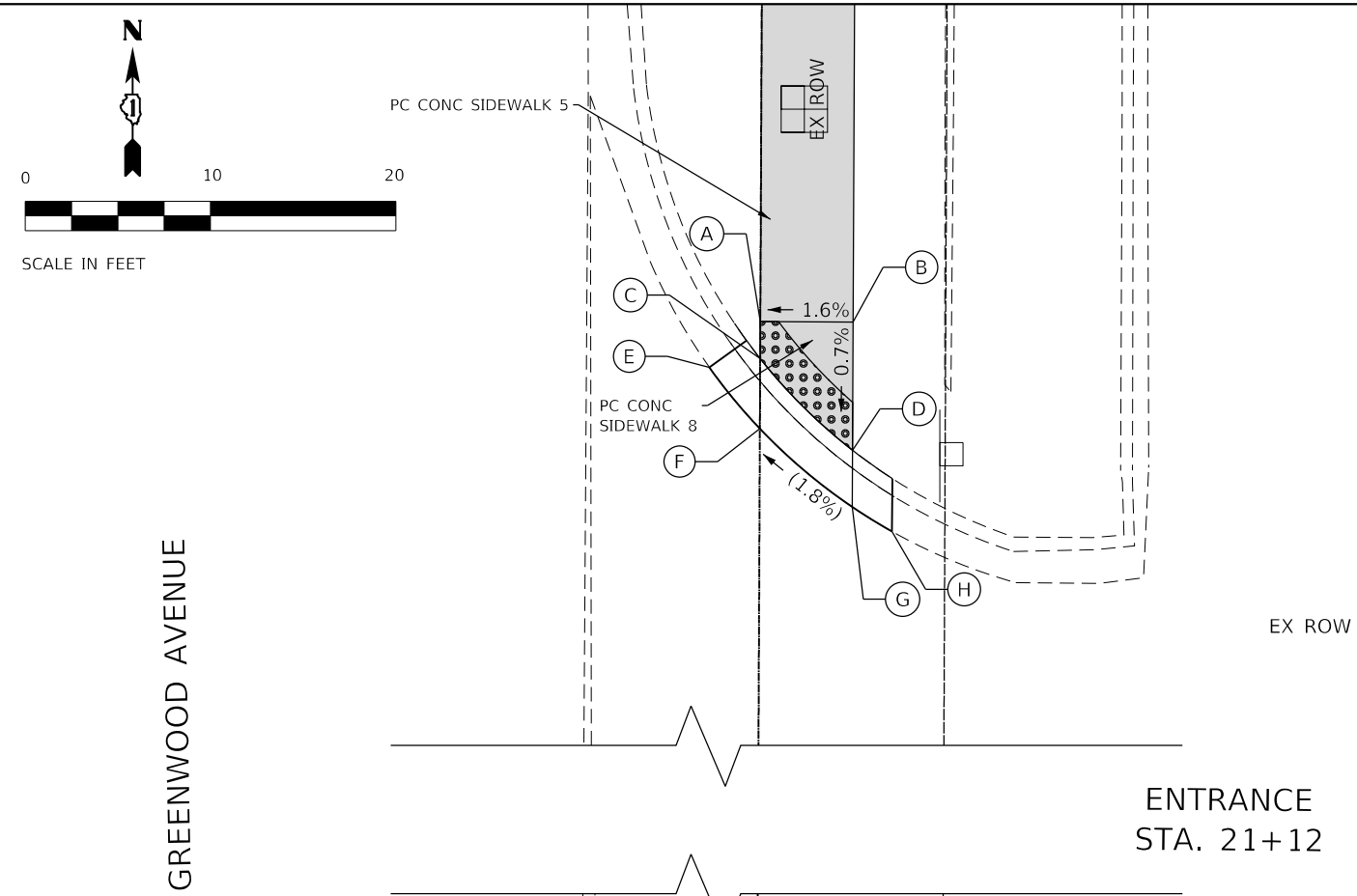
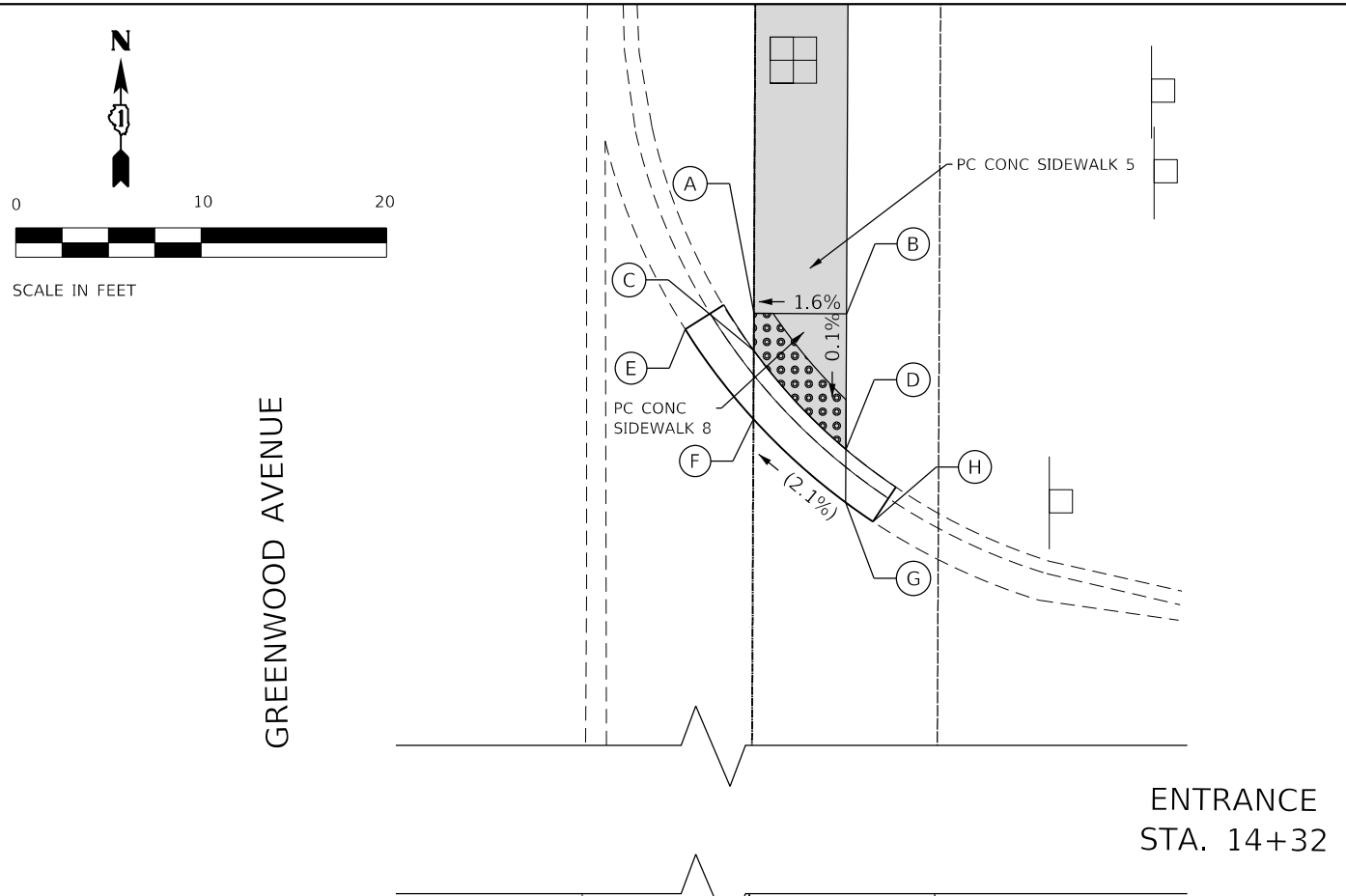
SCALE: 1"=20' SHEET 8 OF 17 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	62
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61J74	

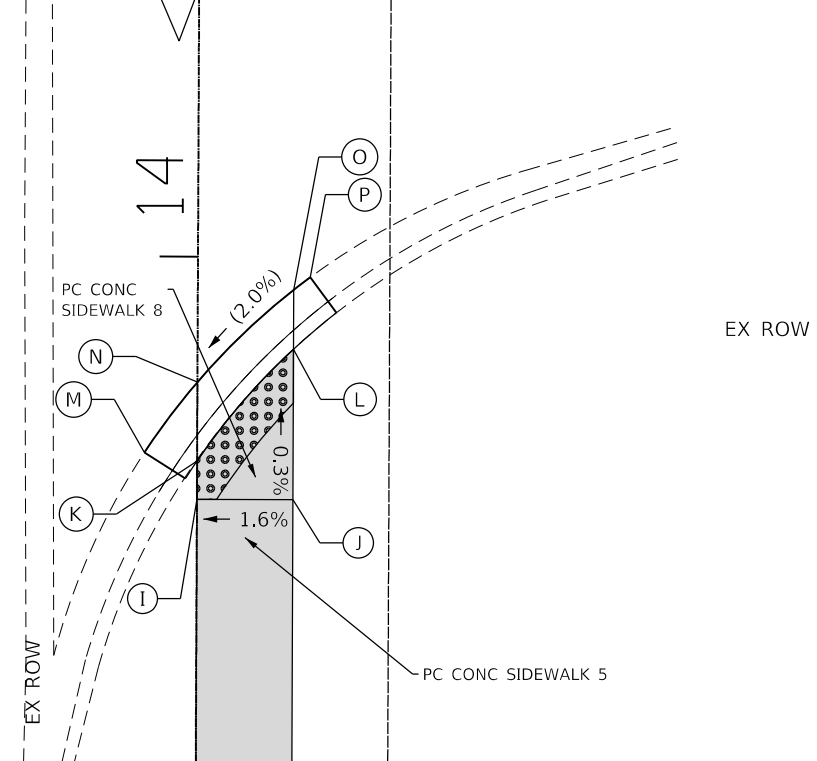
PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	
	PROJECT NO.	

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

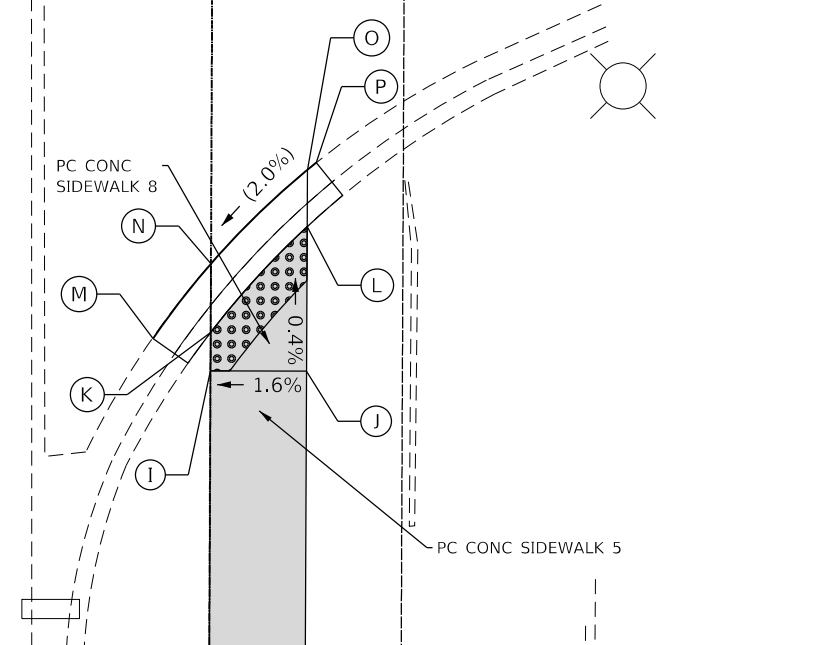
HRG PROJECT NO.: 200422
 HRG PROJ. CONTACT: 200422-shr-ramps-greenwood-03.dgn
 FILE NAME: 200422-shr-ramps-greenwood-03.dgn
 PEN TABLE: ptable.tbl



	STATION	OFFSET	ELEVATION
A	14+68.65	0.00 RT	650.50
B	14+68.65	5.00 RT	650.58
C	14+66.65	0.00 RT	650.47
D	14+61.32	5.00 RT	650.57
E	14+67.78	-3.71 LT	(650.31)
F	14+62.95	0.00 RT	(650.42)
G	14+58.46	5.00 RT	(650.56)
H	14+57.44	6.47 RT	(650.60)
I	13+87.36	-0.00 LT	650.66
J	13+87.36	5.00 RT	650.74
K	13+89.36	-0.00 LT	650.63
L	13+95.21	5.00 RT	650.72
M	13+89.78	-2.75 LT	(650.50)
N	13+93.47	-0.00 LT	(650.58)
O	13+98.30	5.00 RT	(650.72)
P	13+98.95	5.85 RT	(650.75)



	STATION	OFFSET	ELEVATION
A	21+53.43	0.00 RT	650.78
B	21+53.43	5.00 RT	650.86
C	21+51.43	0.00 RT	650.75
D	21+46.51	5.00 RT	650.81
E	21+50.95	-2.74 LT	(650.65)
F	21+47.66	0.00 RT	(650.69)
G	21+43.46	5.00 RT	(650.81)
H	21+42.14	7.15 RT	(650.89)
I	20+65.75	-0.00 LT	650.82
J	20+65.75	5.00 RT	850.90
K	20+67.75	-0.00 LT	850.79
L	20+73.28	5.00 RT	650.87
M	20+67.41	-3.01 LT	(650.66)
N	20+71.34	-0.00 LT	(650.74)
O	20+76.24	5.00 RT	(650.88)
P	20+76.62	5.47 RT	(650.89)



REFERENCE BENCHMARK ELEV 652.99
 BENCHMARK : FIRE HYDRANT, NORTHEAST FLANGE BOLT
 LOCATION : NORTHEAST CORNER OF GREENWOOD AVE AND CHURCH ST

LEGEND

- xx.xx' EXISTING LENGTH
- ===== PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE

- PROPOSED SIDEWALK
- DETECTABLE WARNINGS

REFERENCE BENCHMARK ELEV 652.99
 BENCHMARK : FIRE HYDRANT, NORTHEAST FLANGE BOLT
 LOCATION : NORTHEAST CORNER OF GREENWOOD AVE AND CHURCH ST



USER NAME = bhartha	DESIGNED - CL	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / 1"	CHECKED - BDH	REVISED -
PLOT DATE = 7/9/2024	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**SIDEWALK RAMP DETAILS
 GREENWOOD AVENUE**

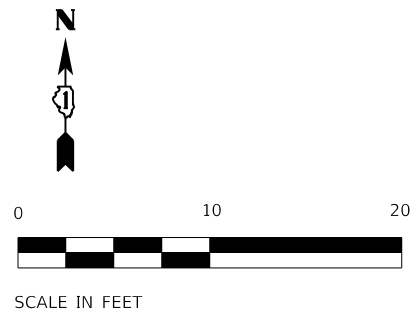
SCALE: 1"=20' SHEET 9 OF 17 SHEETS STA. TO STA.

F.A.U. R.T.E.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	63
CONTRACT NO. 61J74				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

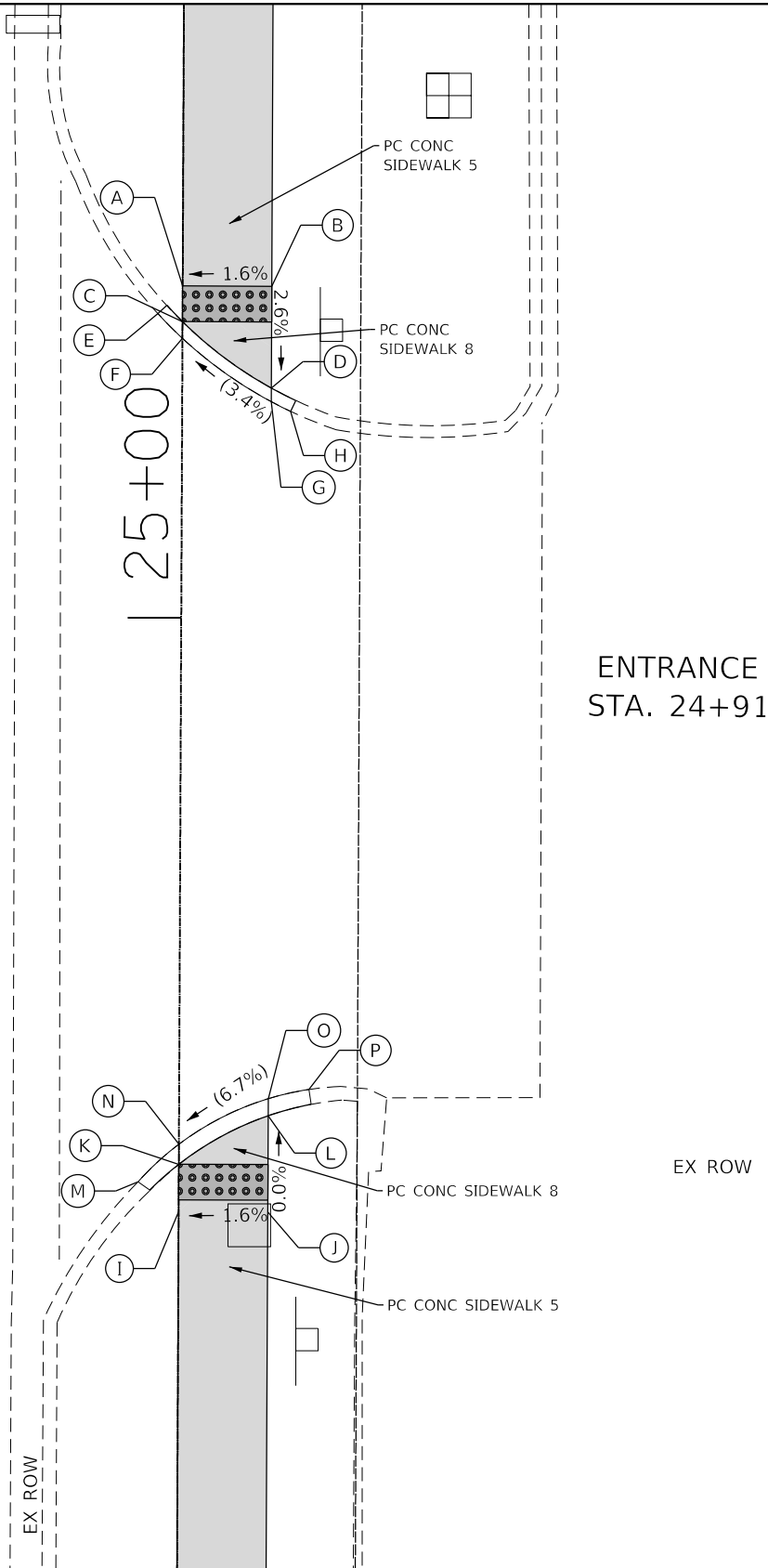
PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTATIONS OK'D	
	FIELD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTATIONS OK'D	
	FIELD FILE NAME	
	NO.	

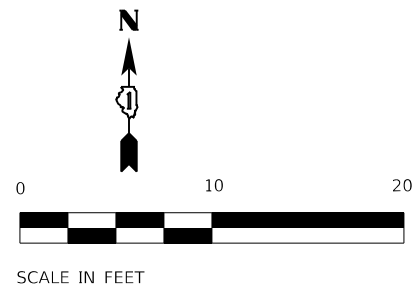
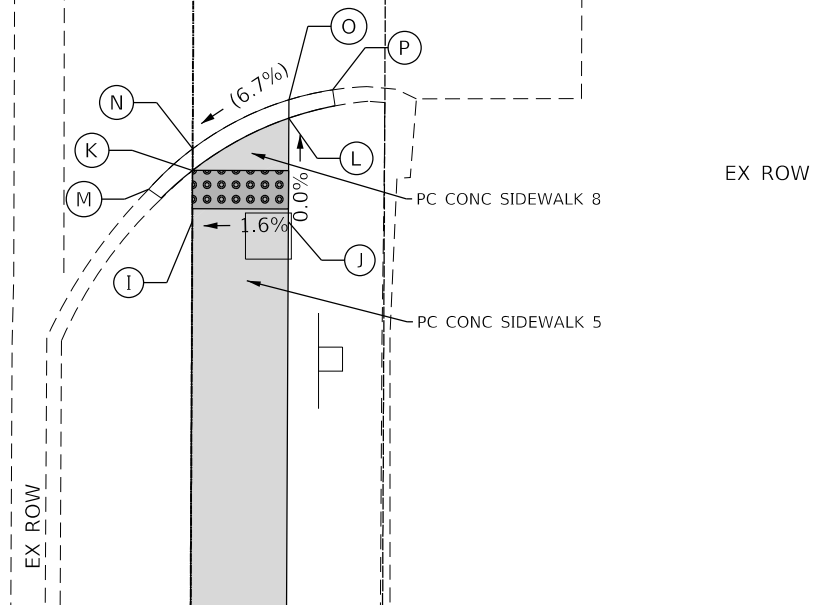
HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT: 200452-sh-ramps-greenwood-04.dgn
 FILE NAME: 200452-sh-ramps-greenwood-04.dgn
 PEN TABLE:



GREENWOOD AVENUE

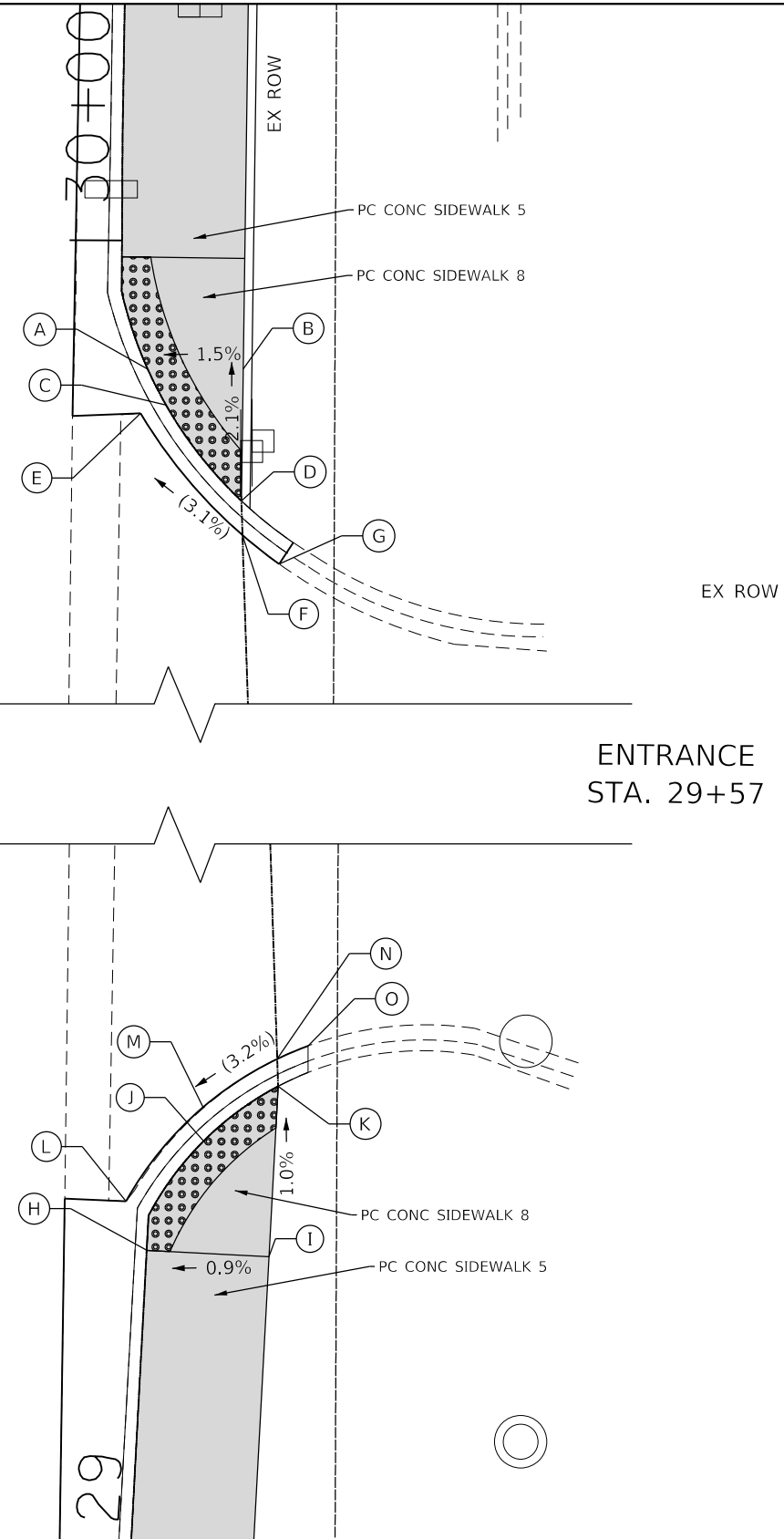


	STATION	OFFSET	ELEVATION
A	25+18.62	-0.00 LT	652.17
B	25+18.62	5.00 RT	652.25
C	25+16.61	-0.00 LT	652.14
D	25+12.91	5.00 RT	652.10
E	25+17.07	-1.39 LT	(651.90)
F	25+15.68	-0.00 LT	(651.95)
G	25+12.14	5.00 RT	(652.16)
H	25+11.61	6.08 RT	(652.22)
I	24+66.70	0.00 RT	652.22
J	24+66.70	5.00 RT	652.30
K	24+69.34	0.00 RT	652.00
L	24+72.10	5.00 RT	652.30
M	24+68.36	-2.29 LT	(651.88)
N	24+70.48	0.00 RT	(651.94)
O	24+73.05	5.00 RT	(652.32)
P	24+73.58	7.28 RT	(652.40)



GREENWOOD AVENUE

	STATION	OFFSET	ELEVATION
A	29+92.40	0.00 RT	651.39
B	29+89.59	4.85 RT	651.47
C	29+90.09	0.00 RT	651.35
D	29+83.10	0.00 RT	651.63
E	29+90.39	-1.50 LT	(651.35)
F	29+81.15	0.00 RT	(651.63)
G	29+79.42	2.04 RT	(651.70)
H	29+17.73	-0.00 LT	651.45
I	29+17.73	7.00 RT	651.56
J	29+25.02	-0.00 LT	651.50
K	29+30.32	0.00 RT	651.66
L	29+19.81	-1.52 LT	(651.40)
M	29+26.26	-1.43 LT	(651.50)
N	29+31.88	0.00 RT	(651.66)
O	29+32.58	1.79 RT	(651.70)



LEGEND

- xx.xx' EXISTING LENGTH
- ===== PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE

- PROPOSED SIDEWALK
- DETECTABLE WARNINGS

REFERENCE BENCHMARK ELEV 652.17
 BENCHMARK : FIRE HYDRANT, NORTHEAST FLANGE BOLT
 LOCATION : NORTHEAST CORNER OF GREENWOOD AVE AND CHURCH ST

REFERENCE BENCHMARK ELEV 652.17
 BENCHMARK : CHISELED CROSS ON NORTH SIDE SIGNAL POST FOUNDATION
 LOCATION : SOUTHWEST CORNER GOLF ROAD AND GREENWOOD AVE



USER NAME = bhar-ma	DESIGNED - CL	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / 1"	CHECKED - BDH	REVISED -
PLOT DATE = 7/9/2024	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS
 GREENWOOD AVENUE

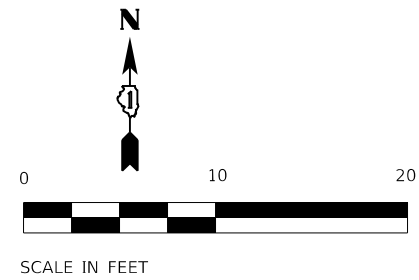
SCALE: 1"=20' SHEET 10 OF 17 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	64
CONTRACT NO. 61J74				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NOTE BOOK NO.	
	FILE NAME	
	BY	

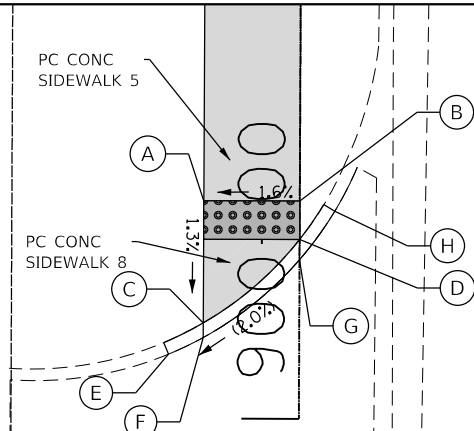
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	PLOTTED	
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NOTE BOOK NO.	
	FILE NAME	
	BY	

HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT: 200452-sh-ramps-greenwood-05.dgn
 FILE NAME: 200452-sh-ramps-greenwood-05.dgn
 PEN TABLE: pofcshbkt.tbl



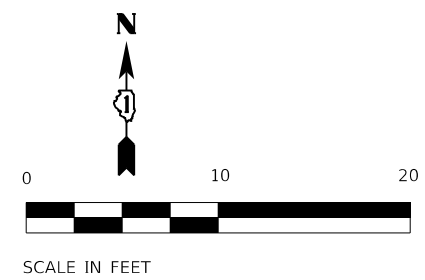
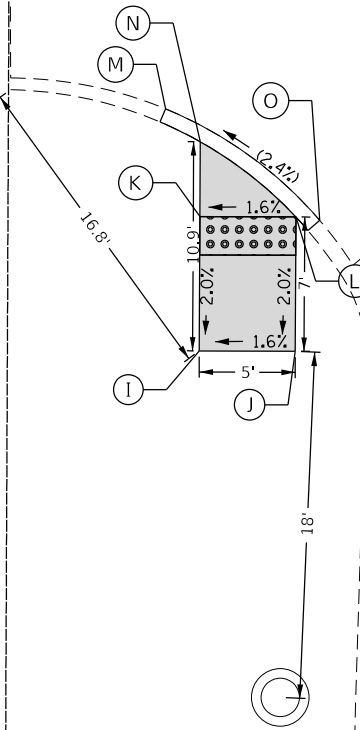
	STATION	OFFSET	ELEVATION
A	900+11.35	-5.00 LT	651.20
B	900+11.35	-0.00 LT	651.28
C	900+04.98	-5.00 LT	652.12
D	900+09.35	-0.00 LT	652.25
E	900+03.35	-6.80 LT	(651.13)
F	900+04.22	-5.00 LT	(651.12)
G	900+08.30	-0.00 LT	(651.25)
H	900+10.83	1.82 RT	(651.26)

	ELEVATION
I	651.34
J	651.42
K	651.20
L	651.28
M	(651.08)
N	651.14
O	(651.32)



ENTRANCE
STA. 899+87

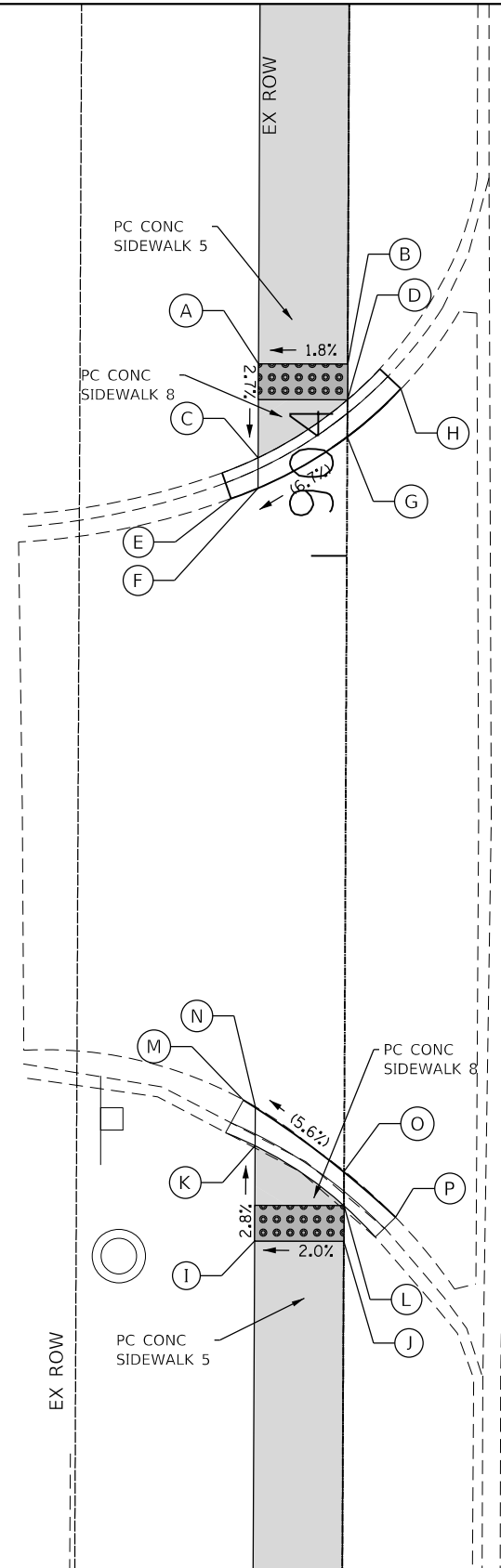
GREENWOOD AVENUE



	STATION	OFFSET	ELEVATION
A	904+10.75	-5.00 LT	651.26
B	904+10.75	0.00 RT	651.35
C	904+05.48	-5.00 LT	651.10
D	904+08.76	0.00 RT	651.39
E	904+03.21	-6.46 LT	(650.93)
F	904+03.78	-5.00 LT	(651.05)
G	904+06.68	0.00 RT	(651.44)
H	904+09.39	2.99 RT	(651.58)
I	903+61.56	-5.00 LT	651.30
J	903+61.56	0.00 RT	651.40
K	903+66.90	-5.00 LT	651.11
L	903+63.56	0.00 RT	651.36
M	903+69.46	-5.66 LT	(651.01)
N	903+69.09	-5.00 LT	(651.06)
O	903+65.48	0.00 RT	(651.41)
P	903+62.92	2.90 RT	(651.62)

ENTRANCE
STA. 903+85

GREENWOOD AVENUE



LEGEND

- xx.xx' EXISTING LENGTH
- PROPOSED SIDEWALK
- PROPOSED SIDE CURB
- EXISTING ELEVATION/SLOPE
- DETECTABLE WARNINGS

REFERENCE BENCHMARK ELEV 652.17
 BENCHMARK : CHISELED CROSS ON NORTH SIDE SIGNAL POST FOUNDATION
 LOCATION : SOUTHWEST CORNER GOLF ROAD AND GREENWOOD AVE



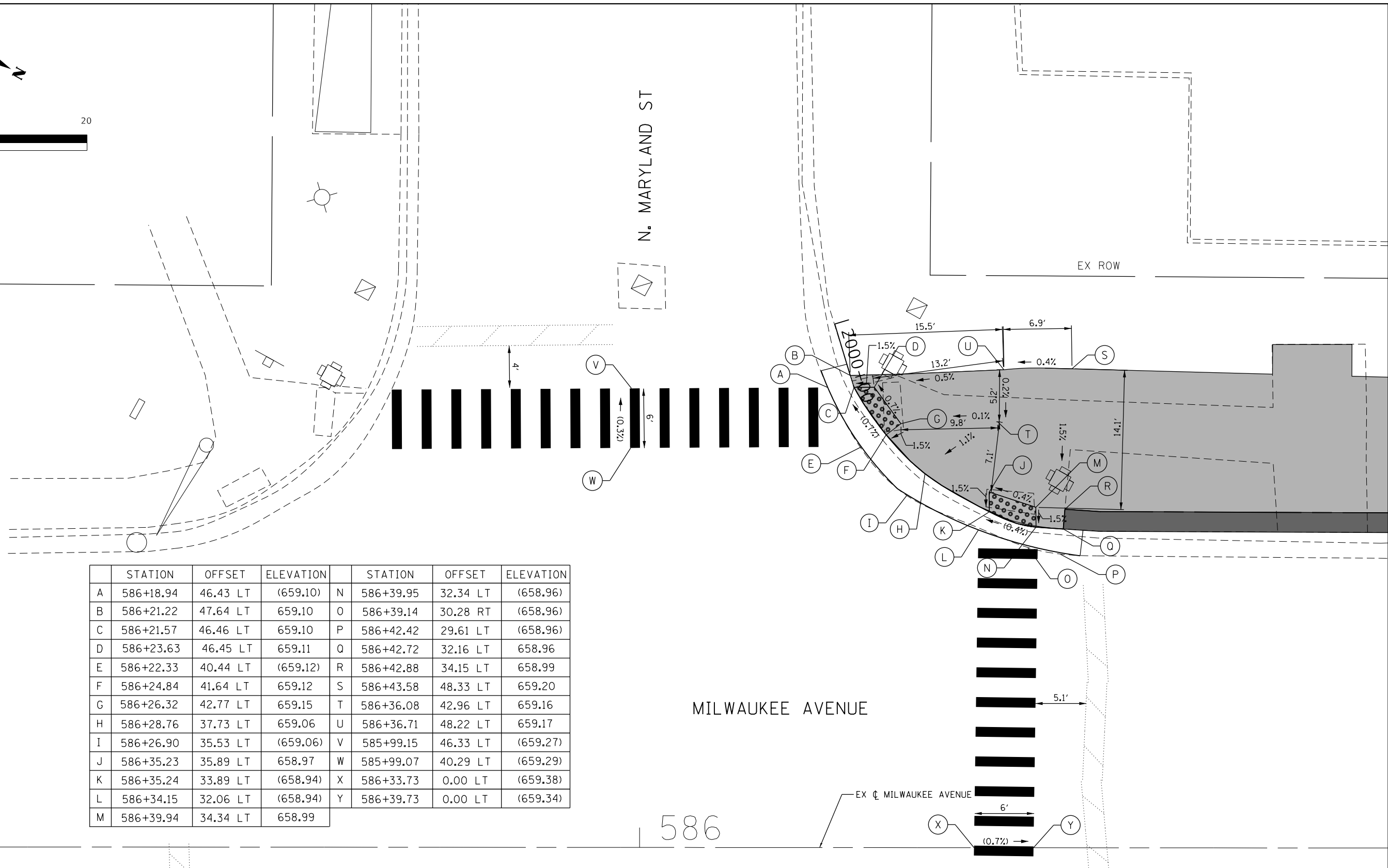
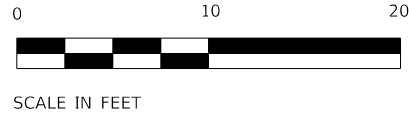
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	DRAWN -	REVISED -
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PLOT DATE = 7/9/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS
GREENWOOD AVENUE

SCALE: 1"=20' SHEET 11 OF 17 SHEETS STA. TO STA.

F.A.U. R.E.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	65
CONTRACT NO. 61J74				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



	STATION	OFFSET	ELEVATION		STATION	OFFSET	ELEVATION
A	586+18.94	46.43 LT	(659.10)	N	586+39.95	32.34 LT	(658.96)
B	586+21.22	47.64 LT	659.10	O	586+39.14	30.28 RT	(658.96)
C	586+21.57	46.46 LT	659.10	P	586+42.42	29.61 LT	(658.96)
D	586+23.63	46.45 LT	659.11	Q	586+42.72	32.16 LT	658.96
E	586+22.33	40.44 LT	(659.12)	R	586+42.88	34.15 LT	658.99
F	586+24.84	41.64 LT	659.12	S	586+43.58	48.33 LT	659.20
G	586+26.32	42.77 LT	659.15	T	586+36.08	42.96 LT	659.16
H	586+28.76	37.73 LT	659.06	U	586+36.71	48.22 LT	659.17
I	586+26.90	35.53 LT	(659.06)	V	585+99.15	46.33 LT	(659.27)
J	586+35.23	35.89 LT	658.97	W	585+99.07	40.29 LT	(659.29)
K	586+35.24	33.89 LT	(658.94)	X	586+33.73	0.00 LT	(659.38)
L	586+34.15	32.06 LT	(658.94)	Y	586+39.73	0.00 LT	(659.34)
M	586+39.94	34.34 LT	658.99				

MILWAUKEE AVENUE

586

LEGEND

- xx.xx' EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- ===== PROPOSED SIDE CURB
- PROPOSED SIDEWALK
- PROPOSED STAMPED COLORED PCC SIDEWALK
- DETECTABLE WARNINGS

REFERENCE BENCHMARK ELEV 659.52

BENCHMARK : CHISELED CROSS IN SIDEWALK

LOCATION : SOUTHWEST CORNER OF INTERSECTION OF MILWAUKEE AVE AND CHURCH ST.

USER NAME = bhartma	DESIGNED - CL	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - BDH	REVISED -
PLOT DATE = 7/9/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

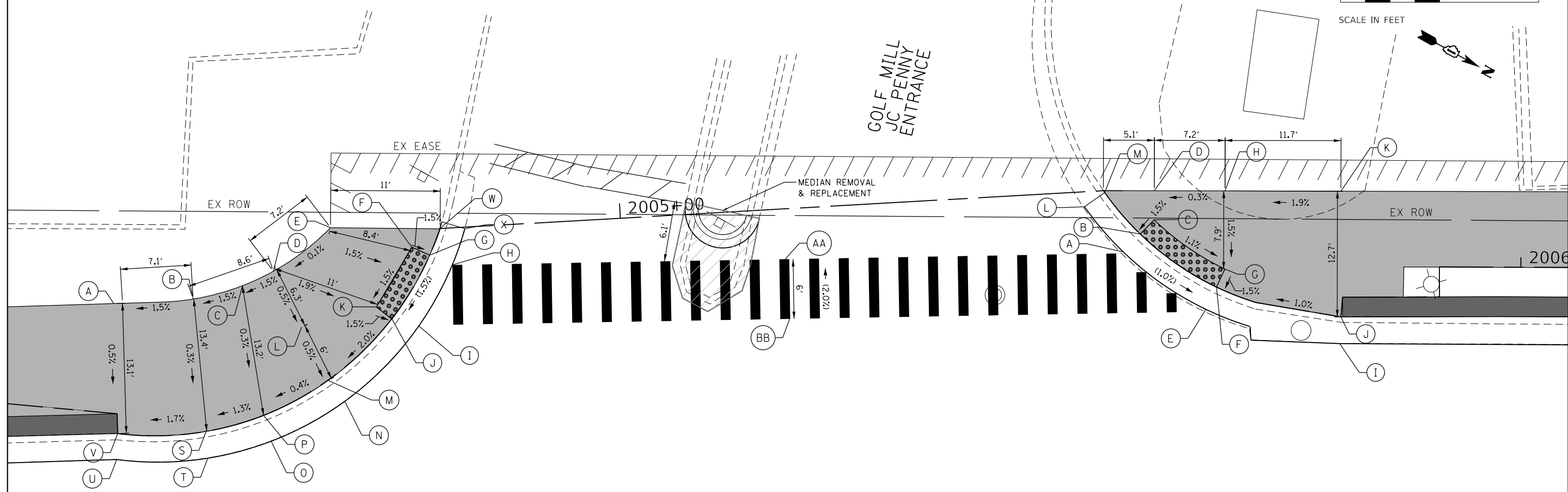
**SIDEWALK RAMP DETAILS
MILWAUKEE AVENUE**

SCALE: 1"=20' SHEET 12 OF 17 SHEETS STA. 585+18 TO STA. 586+75

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	66
			CONTRACT NO. 61174	
ILLINOIS FED. AID PROJECT				

MODEL: D:\dft\11 FILE NAME: 200452-rh-comp-s-mil01.dgn

GOLF MILL
JC PENNY
ENTRANCE



	STATION	OFFSET	ELEVATION		STATION	OFFSET	ELEVATION
A	590+38.75	50.55 LT	660.78	M	590+60.39	42.80 RT	660.97
B	590+46.76	51.00 LT	660.90	N	590+62.06	40.69 RT	(660.62)
C	590+51.73	52.35 LT	660.98	O	590+54.62	36.67 LT	(660.44)
D	590+54.85	53.80 LT	661.03	P	590+53.86	39.28 LT	660.94
E	590+60.62	58.19 LT	661.04	Q	NOT USED		
F	590+68.81	56.23 LT	660.91	R	NOT USED		
G	590+70.63	55.43 LT	660.88	S	590+48.07	37.66 LT	660.86
H	590+72.91	54.43 LT	(660.88)	T	590+48.23	34.96 RT	(660.36)
I	590+69.53	48.28 LT	(660.79)	U	590+39.03	34.82 LT	(660.21)
J	590+66.82	48.98 LT	660.79	V	590+39.13	37.44 LT	660.71
K	590+65.24	50.20 LT	660.82	W	590+71.67	58.11 LT	(661.45)
L	590+57.69	48.16 LT	661.00	X	590+74.17	58.09 LT	(660.94)

	STATION	OFFSET	ELEVATION		STATION	OFFSET	ELEVATION
A	591+40.61	55.74 LT	(661.75)	H	591+50.89	61.89 LT	661.80
B	591+42.34	57.54 LT	661.75	I	591+62.46	46.49 LT	(661.75)
C	591+43.73	58.98 LT	661.78	J	591+62.74	49.18 LT	661.83
D	591+43.73	61.90 LT	661.78	K	591+62.57	61.86 LT	662.02
E	591+48.95	49.95 LT	(661.65)	L	591+36.70	60.29 RT	(661.82)
F	591+50.02	52.21 LT	661.65	M	591+38.74	61.73 LT	661.83
G	591+50.87	54.02 LT	661.68	AA	591+06.48	55.00 LT	(661.42)
				BB	591+06.97	49.02 LT	(661.30)

MILWAUKEE AVENUE

591

EX CL MILWAUKEE AVENUE

REFERENCE BENCHMARK ELEV 659.52
 BENCHMARK : CHISELED CROSS IN SIDEWALK
 LOCATION : SOUTHWEST CORNER OF INTERSECTION OF MILWAUKEE AVE AND CHURCH ST.

LEGEND

- xx.xx' EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- ==== PROPOSED SIDE CURB
- █ PROPOSED SIDEWALK
- █ PROPOSED STAMPED COLORED PCC SIDEWALK
- █ DETECTABLE WARNINGS

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PLOT DATE = 7/9/2024	CHECKED - BDH	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SIDEWALK RAMP DETAILS
 MILWAUKEE AVENUE**

SCALE: 1"=20' SHEET 13 OF 17 SHEETS STA. 590+28 TO STA. 591+85

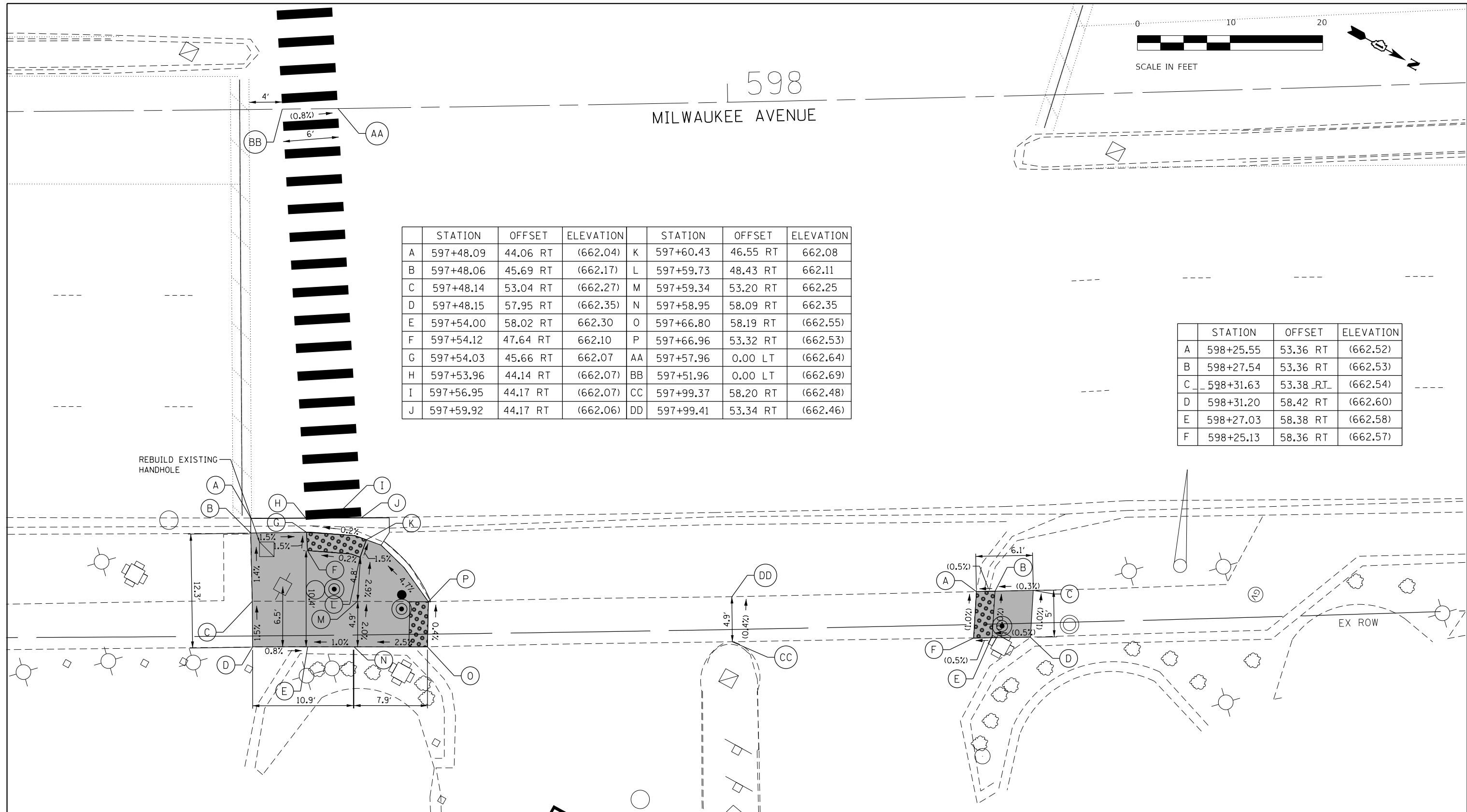
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
18-00131-00-SW		COOK	146	67
		CONTRACT NO. 61174		
ILLINOIS FED. AID PROJECT				



598
MILWAUKEE AVENUE

	STATION	OFFSET	ELEVATION		STATION	OFFSET	ELEVATION
A	597+48.09	44.06 RT	(662.04)	K	597+60.43	46.55 RT	662.08
B	597+48.06	45.69 RT	(662.17)	L	597+59.73	48.43 RT	662.11
C	597+48.14	53.04 RT	(662.27)	M	597+59.34	53.20 RT	662.25
D	597+48.15	57.95 RT	(662.35)	N	597+58.95	58.09 RT	662.35
E	597+54.00	58.02 RT	662.30	O	597+66.80	58.19 RT	(662.55)
F	597+54.12	47.64 RT	662.10	P	597+66.96	53.32 RT	(662.53)
G	597+54.03	45.66 RT	662.07	AA	597+57.96	0.00 LT	(662.64)
H	597+53.96	44.14 RT	(662.07)	BB	597+51.96	0.00 LT	(662.69)
I	597+56.95	44.17 RT	(662.07)	CC	597+99.37	58.20 RT	(662.48)
J	597+59.92	44.17 RT	(662.06)	DD	597+99.41	53.34 RT	(662.46)

	STATION	OFFSET	ELEVATION
A	598+25.55	53.36 RT	(662.52)
B	598+27.54	53.36 RT	(662.53)
C	598+31.63	53.38 RT	(662.54)
D	598+31.20	58.42 RT	(662.60)
E	598+27.03	58.38 RT	(662.58)
F	598+25.13	58.36 RT	(662.57)



REFERENCE BENCHMARK ELEV 682.386
 BENCHMARK : SET NAIL
 LOCATION : SOUTHWEST CORNER OF HANDHOLE IN SOUTHWEST CORNER OF INTERSECTION MILWAUKEE AVENUE AND GOLF MILL MAIN ENTRANCE

LEGEND

xx.xx'	EXISTING LENGTH		PROPOSED SIDEWALK
()	EXISTING ELEVATION/SLOPE		PROPOSED STAMPED COLORED PCC SIDEWALK
====	PROPOSED SIDE CURB		DETECTABLE WARNINGS

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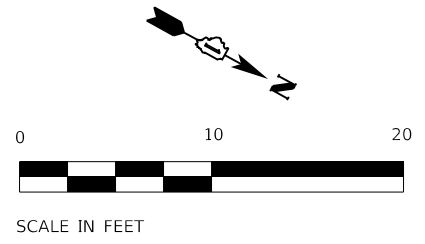
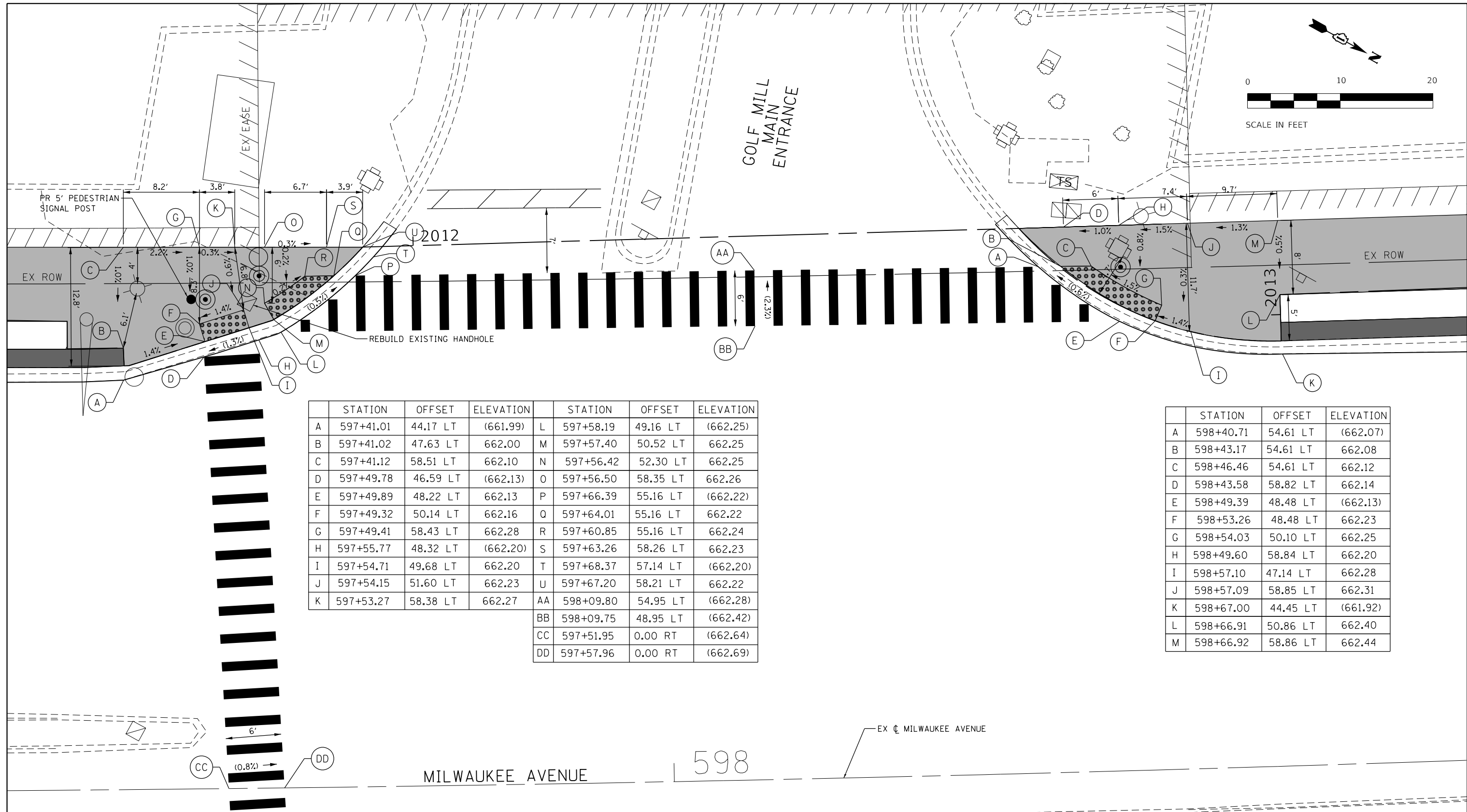
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PLOT DATE = 7/22/2024	CHECKED - BDH	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS
MILWAUKEE AVENUE

SCALE: 1"=20' SHEET 14 OF 17 SHEETS STA. 593+13 TO STA. 594+70

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-5W	COOK	146	68
CONTRACT NO. 61174				
ILLINOIS FED. AID PROJECT				



STATION	OFFSET	ELEVATION	STATION	OFFSET	ELEVATION		
A	597+41.01	44.17 LT	(661.99)	L	597+58.19	49.16 LT	(662.25)
B	597+41.02	47.63 LT	662.00	M	597+57.40	50.52 LT	662.25
C	597+41.12	58.51 LT	662.10	N	597+56.42	52.30 LT	662.25
D	597+49.78	46.59 LT	(662.13)	O	597+56.50	58.35 LT	662.26
E	597+49.89	48.22 LT	662.13	P	597+66.39	55.16 LT	(662.22)
F	597+49.32	50.14 LT	662.16	Q	597+64.01	55.16 LT	662.22
G	597+49.41	58.43 LT	662.28	R	597+60.85	55.16 LT	662.24
H	597+55.77	48.32 LT	(662.20)	S	597+63.26	58.26 LT	662.23
I	597+54.71	49.68 LT	662.20	T	597+68.37	57.14 LT	(662.20)
J	597+54.15	51.60 LT	662.23	U	597+67.20	58.21 LT	662.22
K	597+53.27	58.38 LT	662.27	AA	598+09.80	54.95 LT	(662.28)
				BB	598+09.75	48.95 LT	(662.42)
				CC	597+51.95	0.00 RT	(662.64)
				DD	597+57.96	0.00 RT	(662.69)

STATION	OFFSET	ELEVATION	
A	598+40.71	54.61 LT	(662.07)
B	598+43.17	54.61 LT	662.08
C	598+46.46	54.61 LT	662.12
D	598+43.58	58.82 LT	662.14
E	598+49.39	48.48 LT	(662.13)
F	598+53.26	48.48 LT	662.23
G	598+54.03	50.10 LT	662.25
H	598+49.60	58.84 LT	662.20
I	598+57.10	47.14 LT	662.28
J	598+57.09	58.85 LT	662.31
K	598+67.00	44.45 LT	(661.92)
L	598+66.91	50.86 LT	662.40
M	598+66.92	58.86 LT	662.44

MILWAUKEE AVENUE

598

EX C MILWAUKEE AVENUE

REFERENCE BENCHMARK ELEV 682.386
 BENCHMARK : SET NAIL
 LOCATION : SOUTHWEST CORNER OF HANDHOLE IN SOUTHWEST CORNER OF INTERSECTION
 MILWAUKEE AVENUE AND GOLF MILL MAIN ENTRANCE

LEGEND

xx.xx'	EXISTING LENGTH		PROPOSED SIDEWALK
()	EXISTING ELEVATION/SLOPE		PROPOSED STAMPED COLORED PCC SIDEWALK
	PROPOSED SIDE CURB		DETECTABLE WARNINGS

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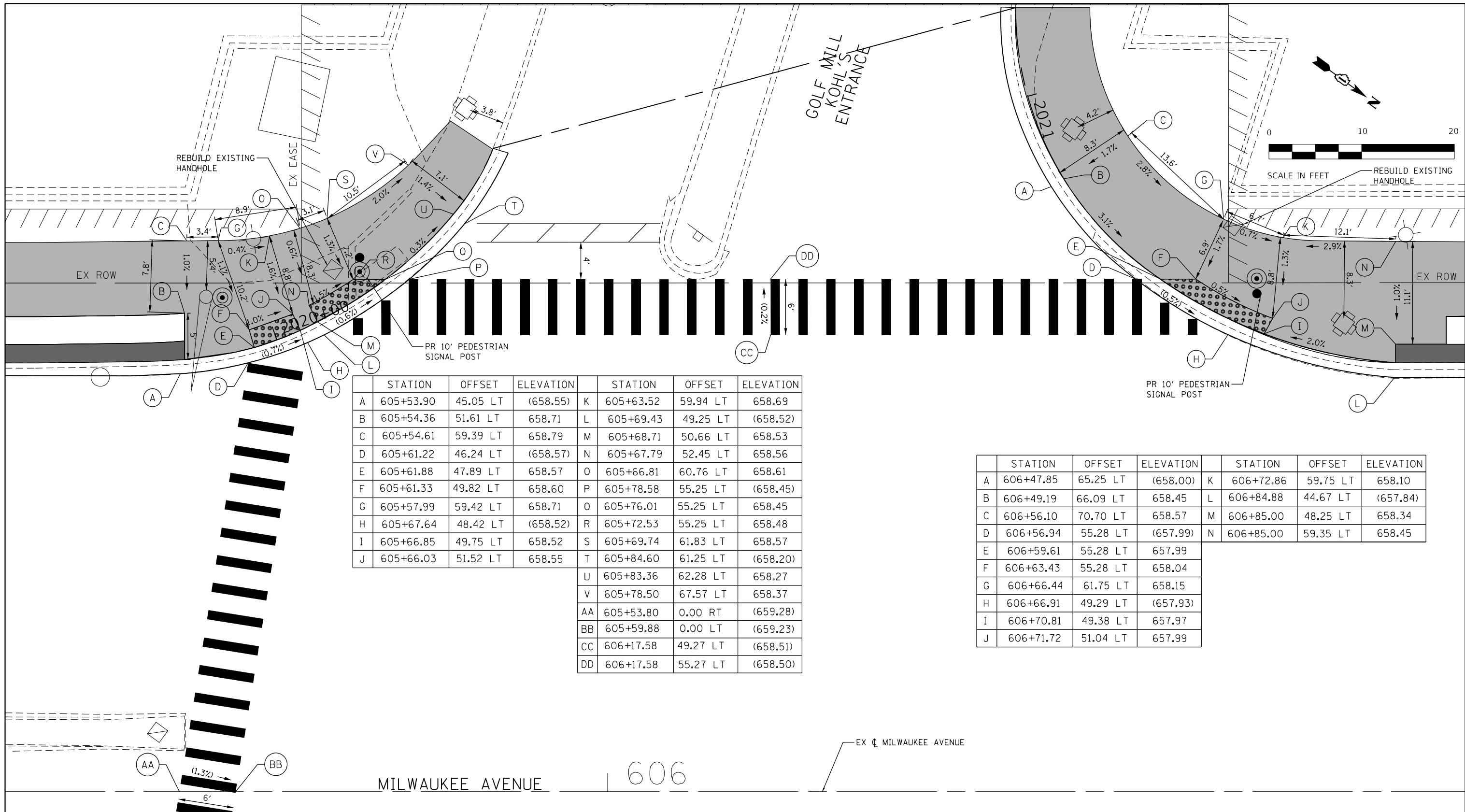
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PLOT DATE = 7/22/2024	CHECKED - BDH	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SIDEWALK RAMP DETAILS
 MILWAUKEE AVENUE**

SCALE: 1"=20' SHEET 15 OF 17 SHEETS STA. 597+28 TO STA. 598+85

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	69
			CONTRACT NO. 61174	
ILLINOIS FED. AID PROJECT				



	STATION	OFFSET	ELEVATION		STATION	OFFSET	ELEVATION
A	605+53.90	45.05 LT	(658.55)	K	605+63.52	59.94 LT	658.69
B	605+54.36	51.61 LT	658.71	L	605+69.43	49.25 LT	(658.52)
C	605+54.61	59.39 LT	658.79	M	605+68.71	50.66 LT	658.53
D	605+61.22	46.24 LT	(658.57)	N	605+67.79	52.45 LT	658.56
E	605+61.88	47.89 LT	658.57	O	605+66.81	60.76 LT	658.61
F	605+61.33	49.82 LT	658.60	P	605+78.58	55.25 LT	(658.45)
G	605+57.99	59.42 LT	658.71	Q	605+76.01	55.25 LT	658.45
H	605+67.64	48.42 LT	(658.52)	R	605+72.53	55.25 LT	658.48
I	605+66.85	49.75 LT	658.52	S	605+69.74	61.83 LT	658.57
J	605+66.03	51.52 LT	658.55	T	605+84.60	61.25 LT	(658.20)
				U	605+83.36	62.28 LT	658.27
				V	605+78.50	67.57 LT	658.37
				AA	605+53.80	0.00 RT	(659.28)
				BB	605+59.88	0.00 LT	(659.23)
				CC	606+17.58	49.27 LT	(658.51)
				DD	606+17.58	55.27 LT	(658.50)

	STATION	OFFSET	ELEVATION		STATION	OFFSET	ELEVATION
A	606+47.85	65.25 LT	(658.00)	K	606+72.86	59.75 LT	658.10
B	606+49.19	66.09 LT	658.45	L	606+84.88	44.67 LT	(657.84)
C	606+56.10	70.70 LT	658.57	M	606+85.00	48.25 LT	658.34
D	606+56.94	55.28 LT	(657.99)	N	606+85.00	59.35 LT	658.45
E	606+59.61	55.28 LT	657.99				
F	606+63.43	55.28 LT	658.04				
G	606+66.44	61.75 LT	658.15				
H	606+66.91	49.29 LT	(657.93)				
I	606+70.81	49.38 LT	657.97				
J	606+71.72	51.04 LT	657.99				

REFERENCE BENCHMARK ELEV 655.273
 BENCHMARK : NILES MONUMENT #23
 LOCATION : SOUTHWEST CORNER OF MILWAUKEE AVENUE AT GOLF ROAD

LEGEND

xx.xx'	EXISTING LENGTH		PROPOSED SIDEWALK
()	EXISTING ELEVATION/SLOPE		PROPOSED STAMPED COLORED PCC SIDEWALK
	PROPOSED SIDE CURB		DETECTABLE WARNINGS

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SIDEWALK RAMP DETAILS
 MILWAUKEE AVENUE**

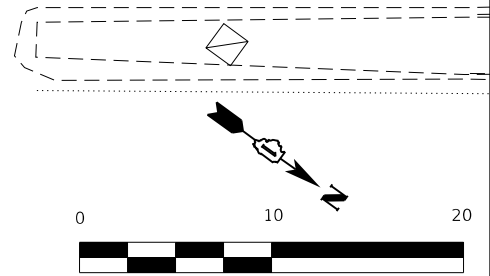
SCALE: 1"=20' SHEET 16 OF 17 SHEETS STA. 605+35 TO STA. 606+92

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	70
			CONTRACT NO. 61174	
ILLINOIS FED. AID PROJECT				

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606
MILWAUKEE AVENUE

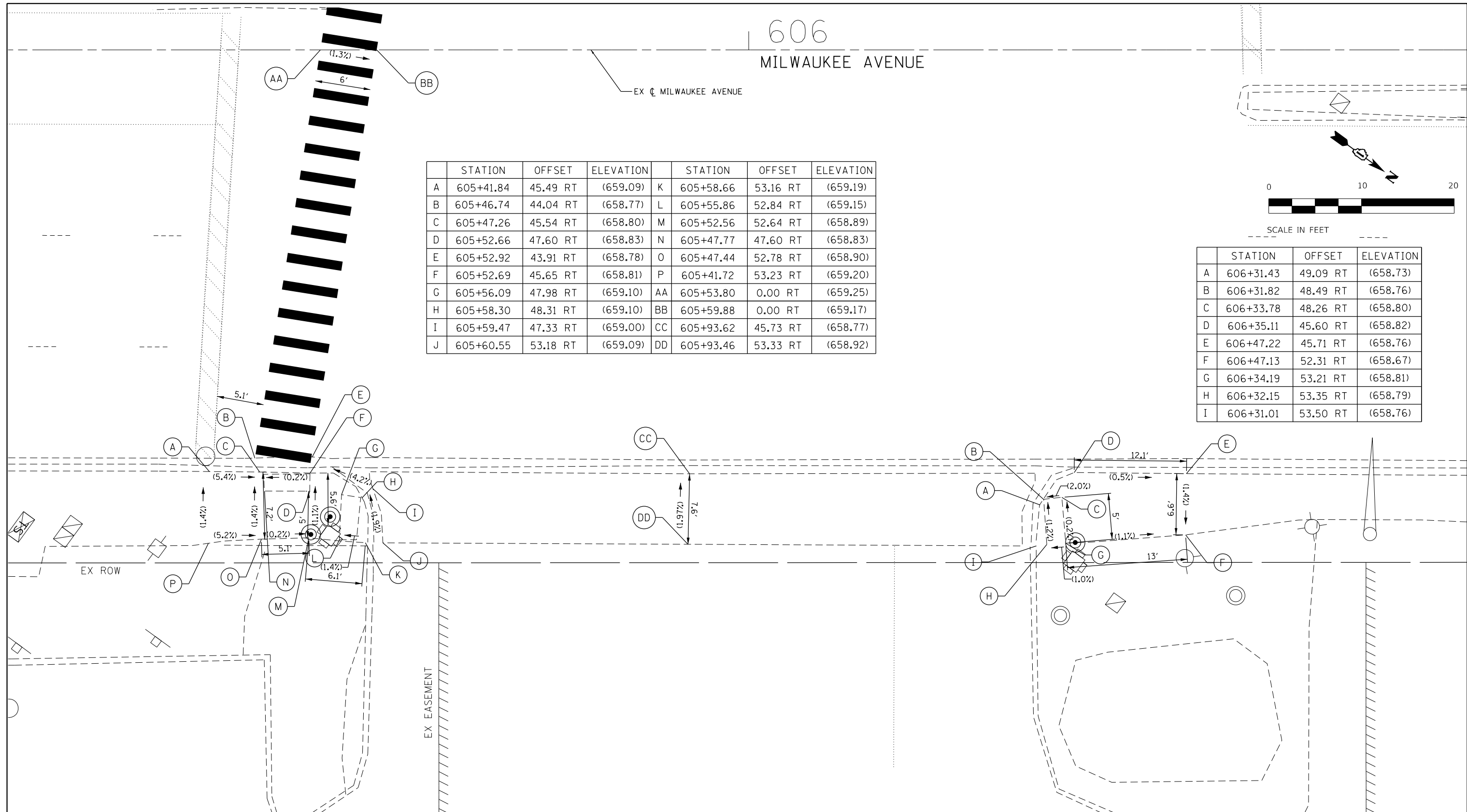
EX CL MILWAUKEE AVENUE



	STATION	OFFSET	ELEVATION		STATION	OFFSET	ELEVATION
A	605+41.84	45.49 RT	(659.09)	K	605+58.66	53.16 RT	(659.19)
B	605+46.74	44.04 RT	(658.77)	L	605+55.86	52.84 RT	(659.15)
C	605+47.26	45.54 RT	(658.80)	M	605+52.56	52.64 RT	(658.89)
D	605+52.66	47.60 RT	(658.83)	N	605+47.77	47.60 RT	(658.83)
E	605+52.92	43.91 RT	(658.78)	O	605+47.44	52.78 RT	(658.90)
F	605+52.69	45.65 RT	(658.81)	P	605+41.72	53.23 RT	(659.20)
G	605+56.09	47.98 RT	(659.10)	AA	605+53.80	0.00 RT	(659.25)
H	605+58.30	48.31 RT	(659.10)	BB	605+59.88	0.00 RT	(659.17)
I	605+59.47	47.33 RT	(659.00)	CC	605+93.62	45.73 RT	(658.77)
J	605+60.55	53.18 RT	(659.09)	DD	605+93.46	53.33 RT	(658.92)

SCALE IN FEET

	STATION	OFFSET	ELEVATION
A	606+31.43	49.09 RT	(658.73)
B	606+31.82	48.49 RT	(658.76)
C	606+33.78	48.26 RT	(658.80)
D	606+35.11	45.60 RT	(658.82)
E	606+47.22	45.71 RT	(658.76)
F	606+47.13	52.31 RT	(658.67)
G	606+34.19	53.21 RT	(658.81)
H	606+32.15	53.35 RT	(658.79)
I	606+31.01	53.50 RT	(658.76)



REFERENCE BENCHMARK ELEV 655.273
 BENCHMARK : NILES MONUMENT #23
 LOCATION : SOUTHWEST CORNER OF MILWAUKEE AVENUE AT GOLF ROAD

LEGEND

xx.xx'	EXISTING LENGTH		PROPOSED SIDEWALK
()	EXISTING ELEVATION/SLOPE		PROPOSED STAMPED COLORED PCC SIDEWALK
	PROPOSED SIDE CURB		DETECTABLE WARNINGS

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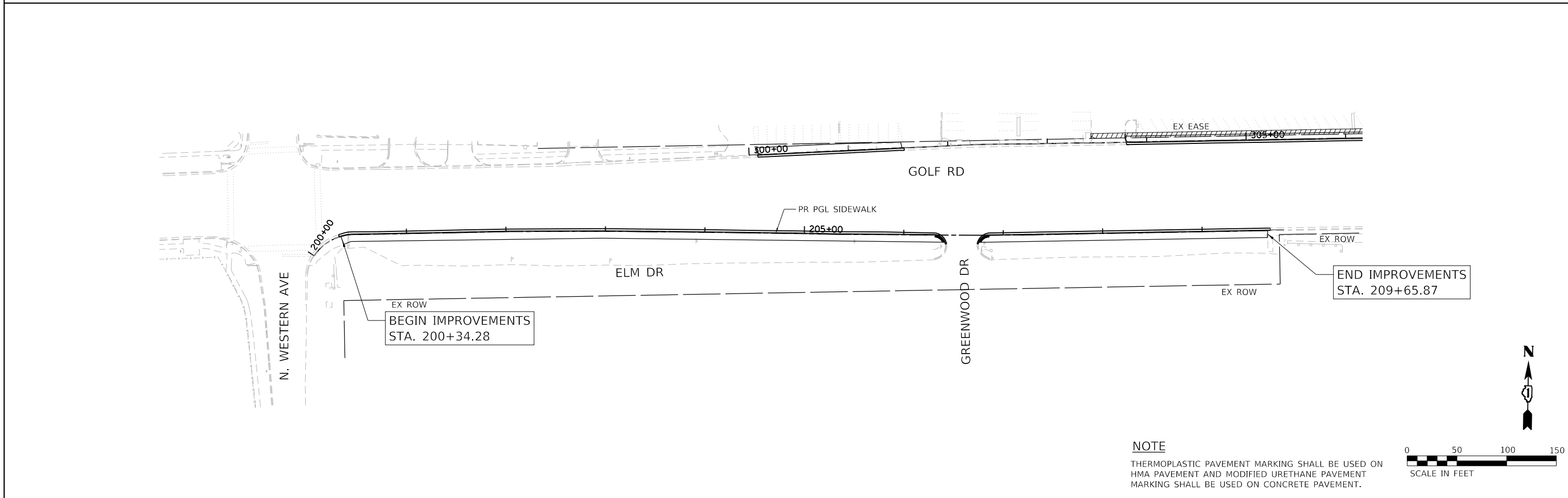
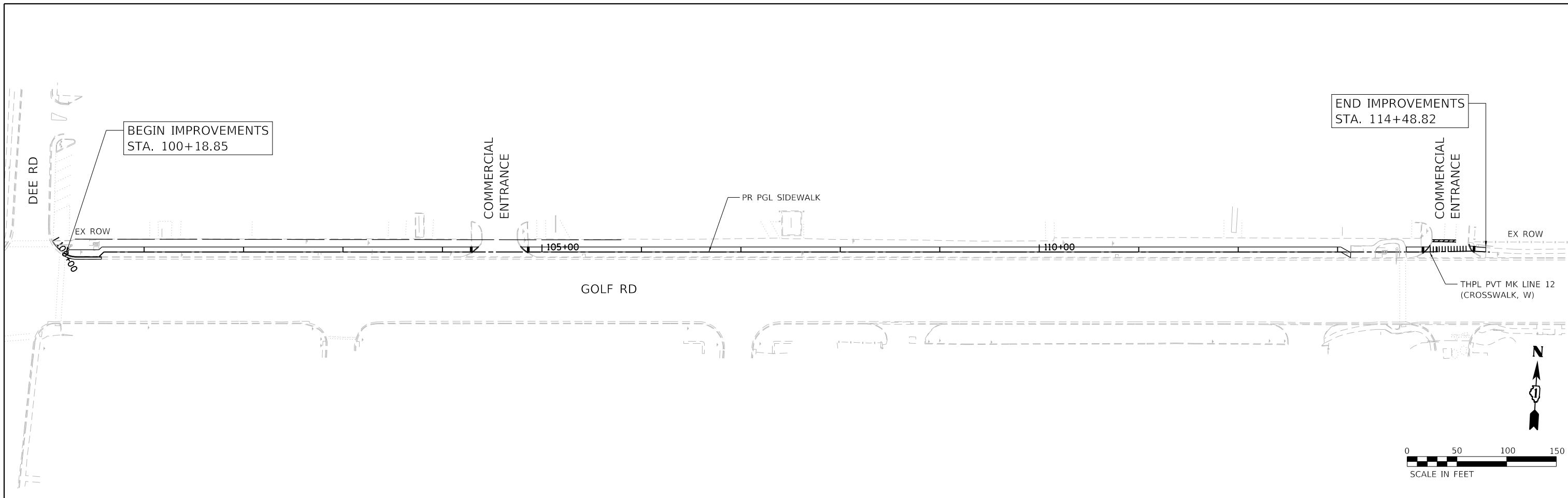
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	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SIDEWALK RAMP DETAILS
 MILWAUKEE AVENUE**

SCALE: 1"=20' SHEET 17 OF 17 SHEETS STA. 605+35 TO STA. 606+92

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	71
			CONTRACT NO. 61174	
ILLINOIS FED. AID PROJECT				



NOTE
THERMOPLASTIC PAVEMENT MARKING SHALL BE USED ON HMA PAVEMENT AND MODIFIED URETHANE PAVEMENT MARKING SHALL BE USED ON CONCRETE PAVEMENT.

HRG PROJECT NO: 200452
HRG PROJ CONTACT:
FILE NAME: 200452-shp-pmk-golf-01.dgn
PEN TABLE: 10/10/2024



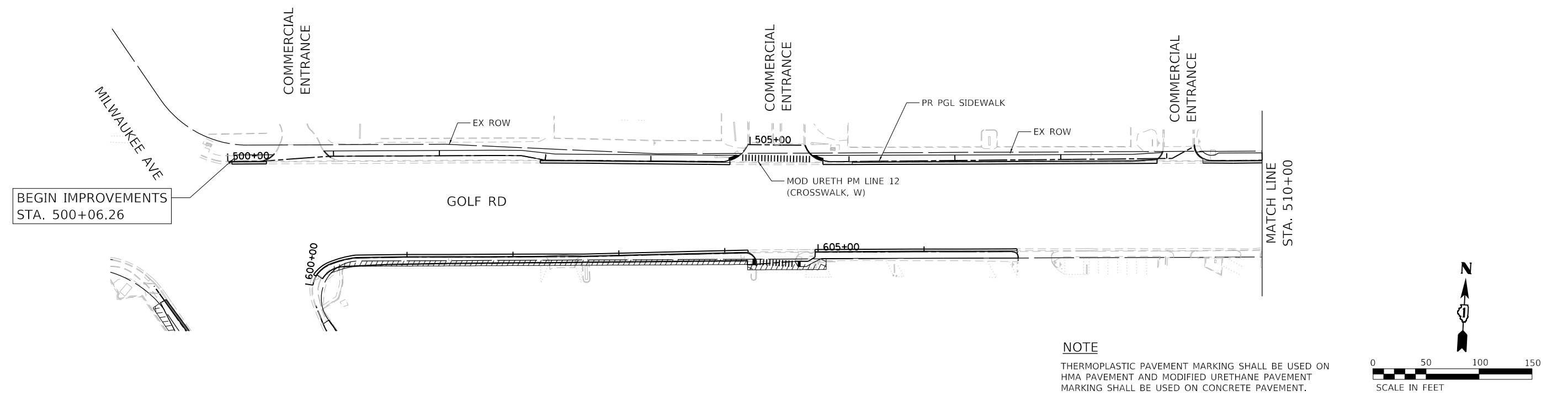
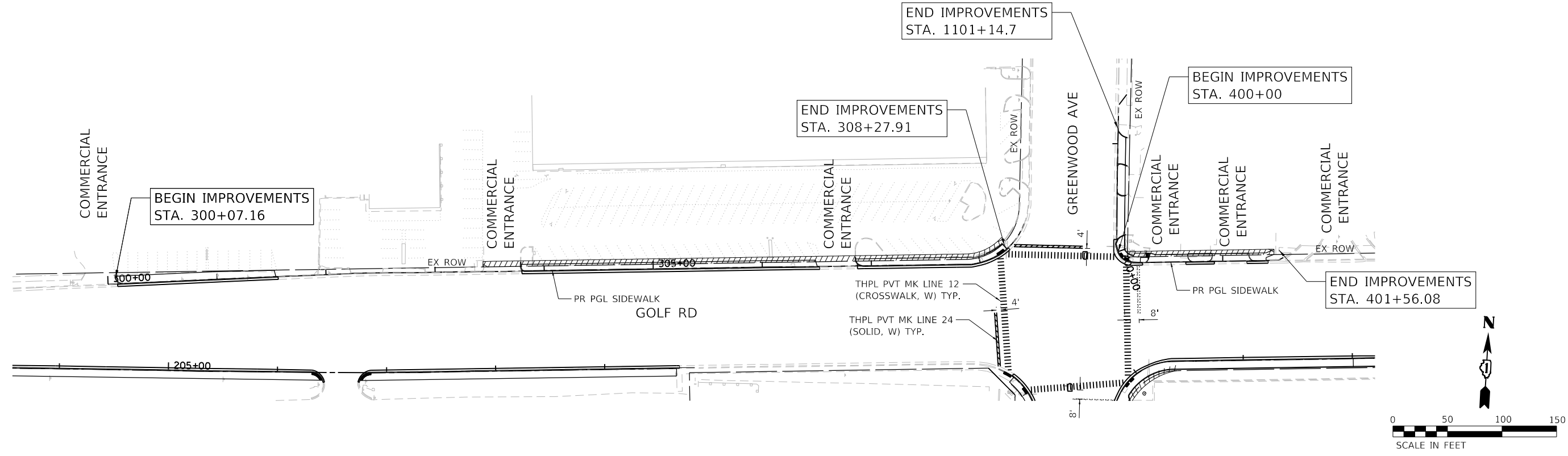
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PLOT DATE = 7/9/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
GOLF ROAD**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	72
CONTRACT NO. 61174			ILLINOIS FED. AID PROJECT	



NOTE
 THERMOPLASTIC PAVEMENT MARKING SHALL BE USED ON HMA PAVEMENT AND MODIFIED URETHANE PAVEMENT MARKING SHALL BE USED ON CONCRETE PAVEMENT.

HRG PROJECT NO: 200452
 HRG PROJ CONTACT:
 FILE NAME: 200452-shr-pmk-golf-02.dgn
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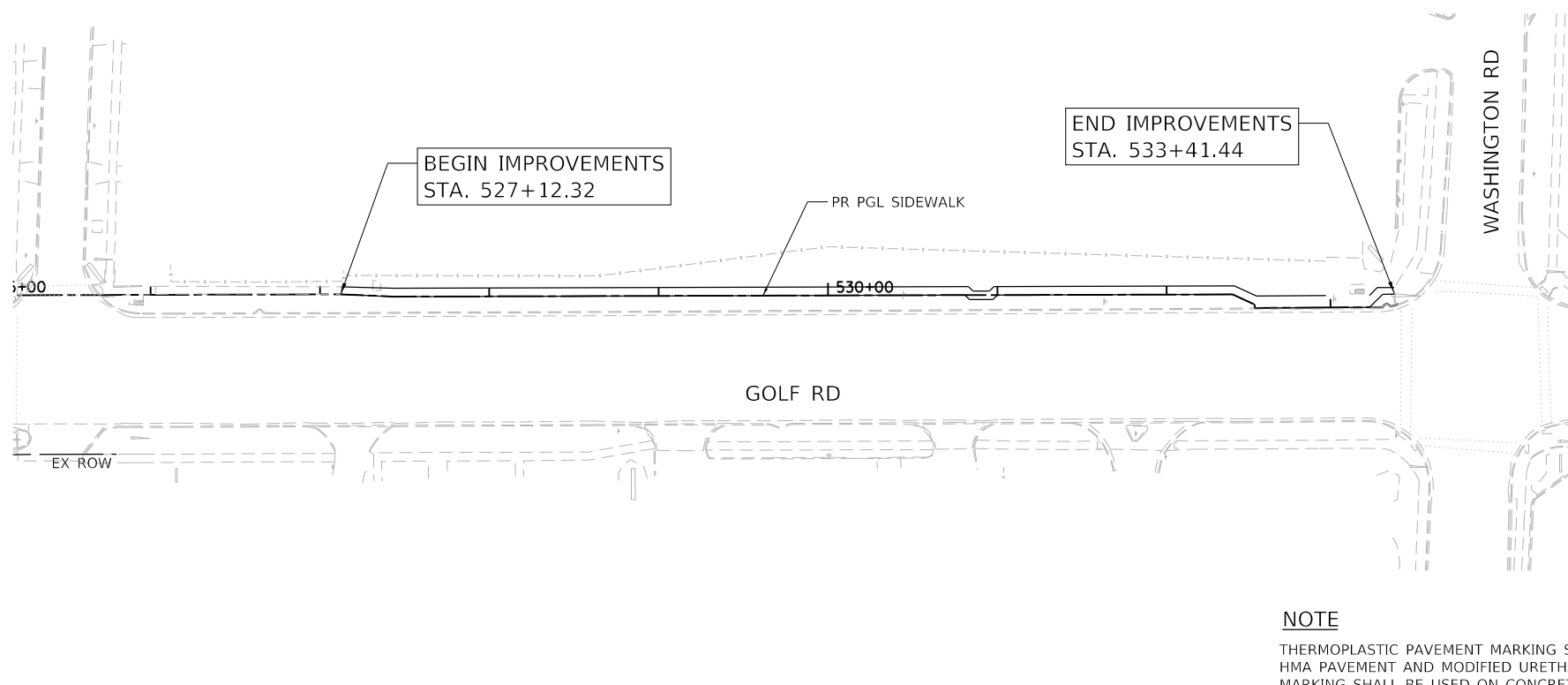
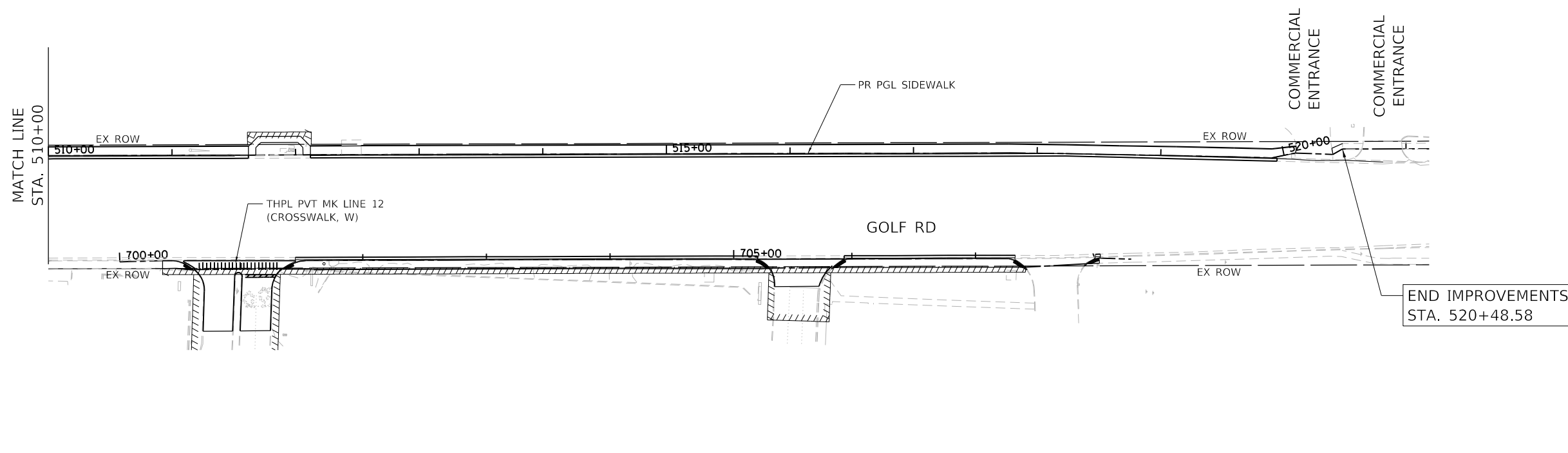
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PLOT DATE = 7/9/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
 GOLF ROAD**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	73
CONTRACT NO. 61174			ILLINOIS FED. AID PROJECT	



NOTE

THERMOPLASTIC PAVEMENT MARKING SHALL BE USED ON HMA PAVEMENT AND MODIFIED URETHANE PAVEMENT MARKING SHALL BE USED ON CONCRETE PAVEMENT.

HRG PROJECT NO: 200452
 HRG PROJ CONTACT:
 FILE NAME: 200452-SHT-PMK-GOLF-03.dgn
 PEN TABLE: p101tbl.tbl



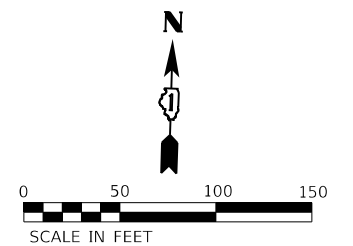
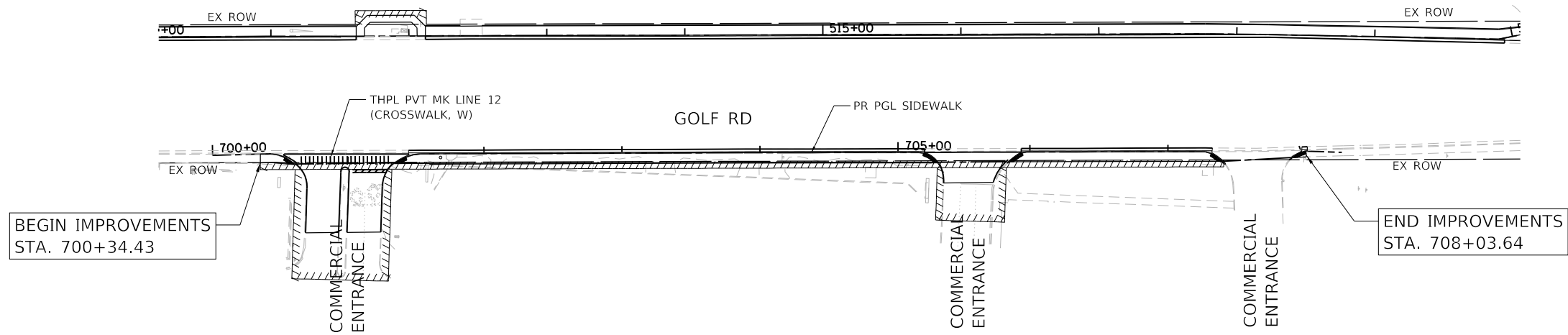
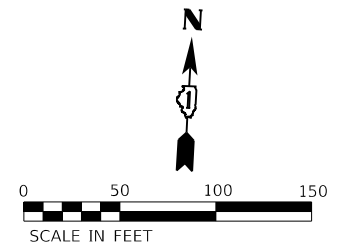
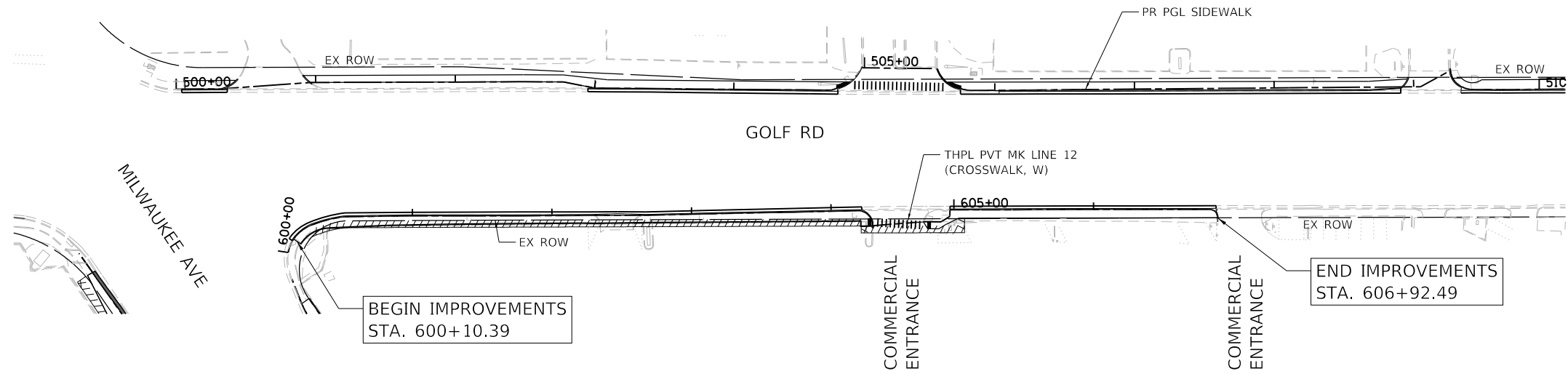
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PLOT DATE = 7/9/2024	CHECKED - BDH	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
GOLF ROAD**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	74
			CONTRACT NO. 61174	
ILLINOIS FED. AID PROJECT				



NOTE
 THERMOPLASTIC PAVEMENT MARKING SHALL BE USED ON HMA PAVEMENT AND MODIFIED URETHANE PAVEMENT MARKING SHALL BE USED ON CONCRETE PAVEMENT.

HRG PROJECT NO: 200452
 HRG PROJ CONTACT:
 FILE NAME: 200452-SHT-PMK-GOLF-04.dgn
 PEN TABLE: 1/10/2024



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	DRAWN - WJH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - BDH	REVISED -
PLOT DATE = 7/9/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
 GOLF ROAD**

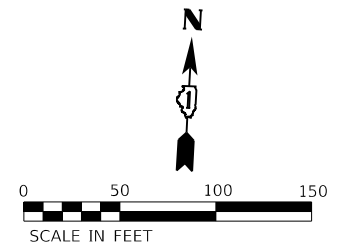
SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	75
CONTRACT NO. 61174			ILLINOIS FED. AID PROJECT	



NOTE

THERMOPLASTIC PAVEMENT MARKING SHALL BE USED ON HMA PAVEMENT AND MODIFIED URETHANE PAVEMENT MARKING SHALL BE USED ON CONCRETE PAVEMENT.



HRG PROJECT NO: 200452
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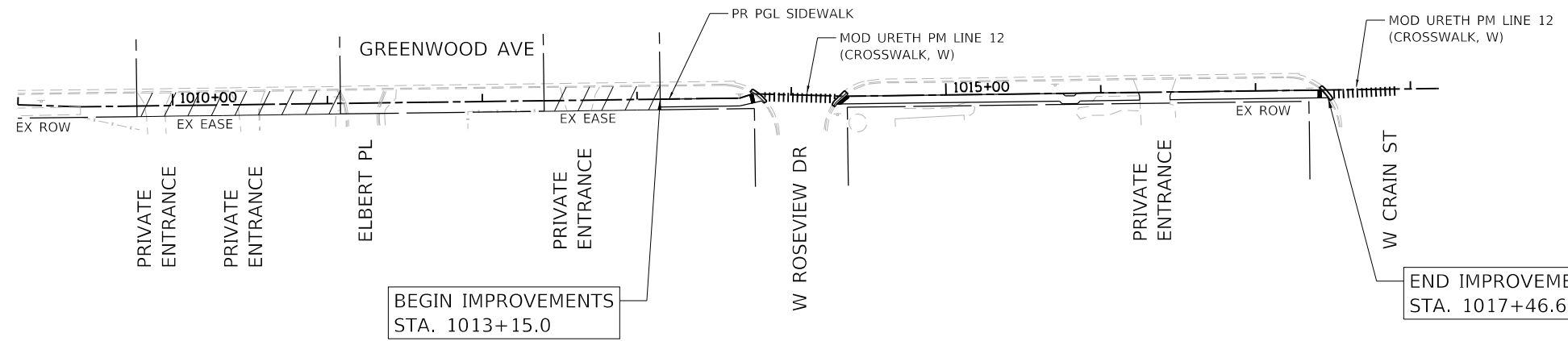
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PLOT DATE = 7/9/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

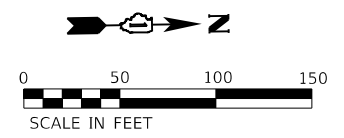
**PAVEMENT MARKING PLAN
GOLF ROAD**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	76
CONTRACT NO.			61174	
ILLINOIS FED. AID PROJECT				



NOTE
 THERMOPLASTIC PAVEMENT MARKING SHALL BE USED ON
 HMA PAVEMENT AND MODIFIED URETHANE PAVEMENT
 MARKING SHALL BE USED ON CONCRETE PAVEMENT.



HRG PROJECT NO: 200452
 HRG PROJ CONTACT:
 FILE NAME: 200452-shr-pmk-grnw-04.dgn
 PEN TABLE: p1010tbl.tbl



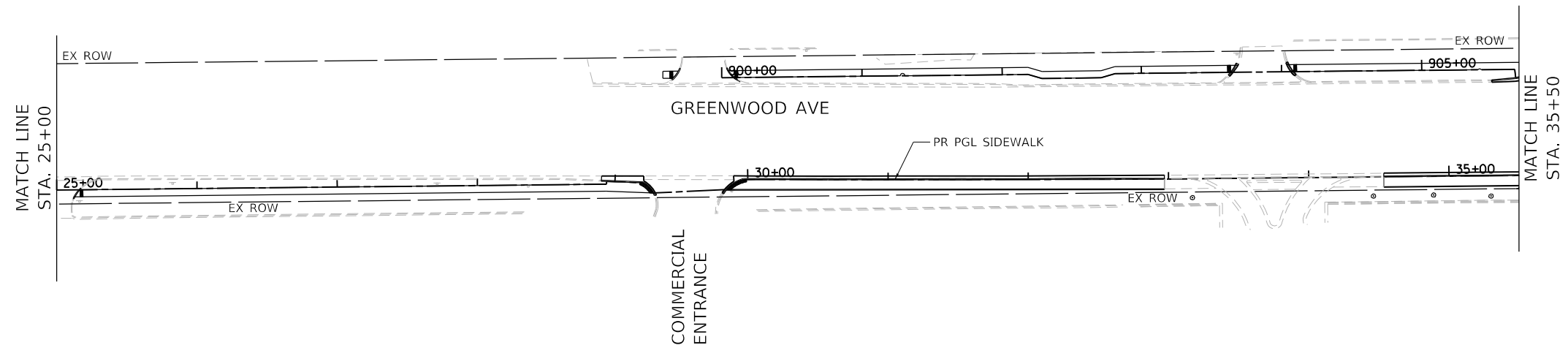
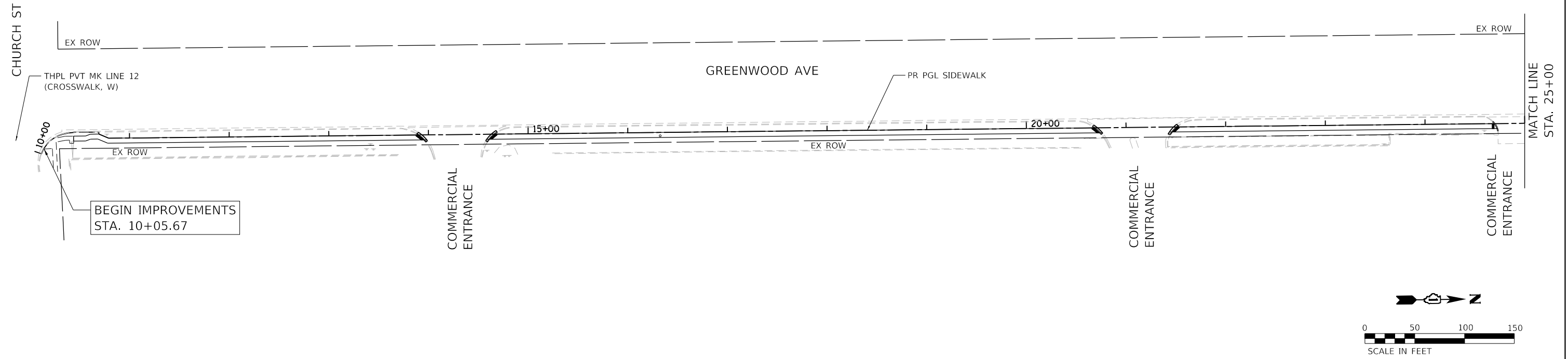
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PLOT DATE = 7/9/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
GREENWOOD AVENUE

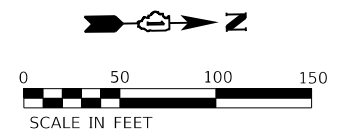
SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	77
CONTRACT NO.			61174	
ILLINOIS FED. AID PROJECT				



NOTE

THERMOPLASTIC PAVEMENT MARKING SHALL BE USED ON HMA PAVEMENT AND MODIFIED URETHANE PAVEMENT MARKING SHALL BE USED ON CONCRETE PAVEMENT.



HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT:
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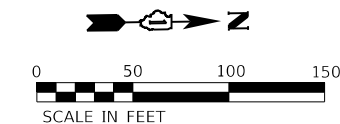
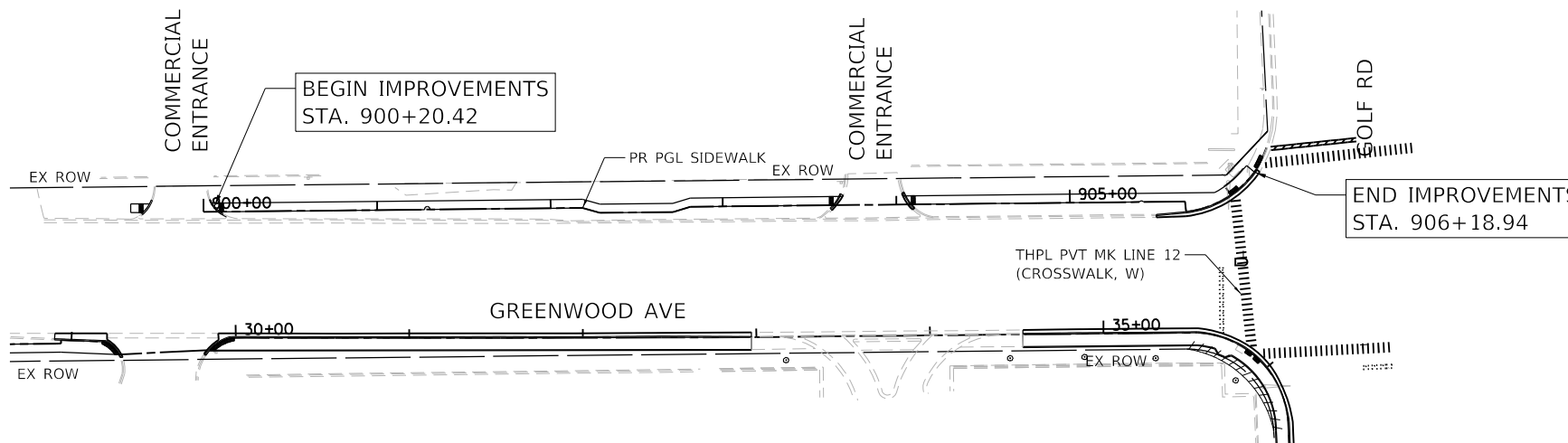
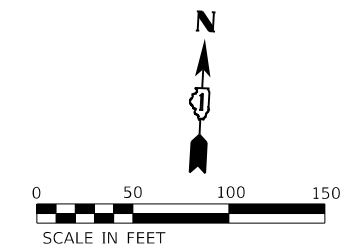
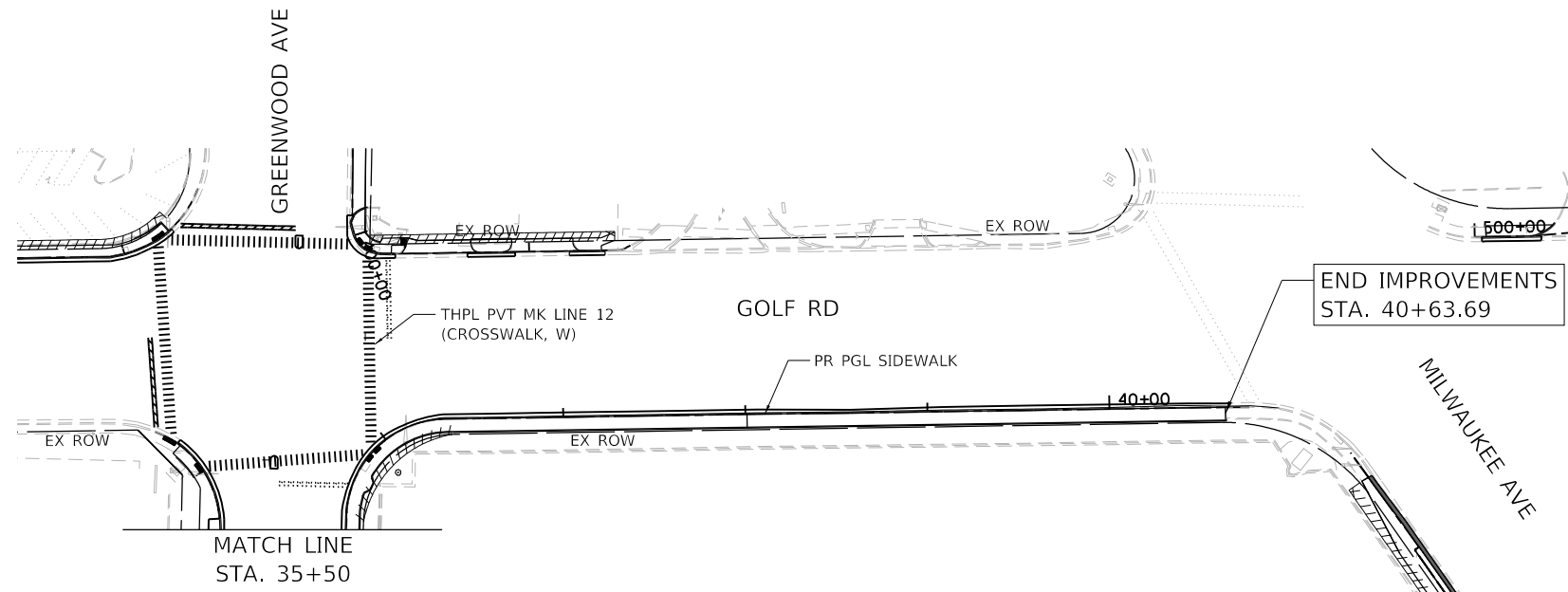
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
GREENWOOD AVENUE**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	78
CONTRACT NO. 61174			ILLINOIS FED. AID PROJECT	



NOTE

THERMOPLASTIC PAVEMENT MARKING SHALL BE USED ON HMA PAVEMENT AND MODIFIED URETHANE PAVEMENT MARKING SHALL BE USED ON CONCRETE PAVEMENT.

HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-SHT-PAV-MK-GRNWD-03.dgn
 PEN TABLE: 1/10/2024



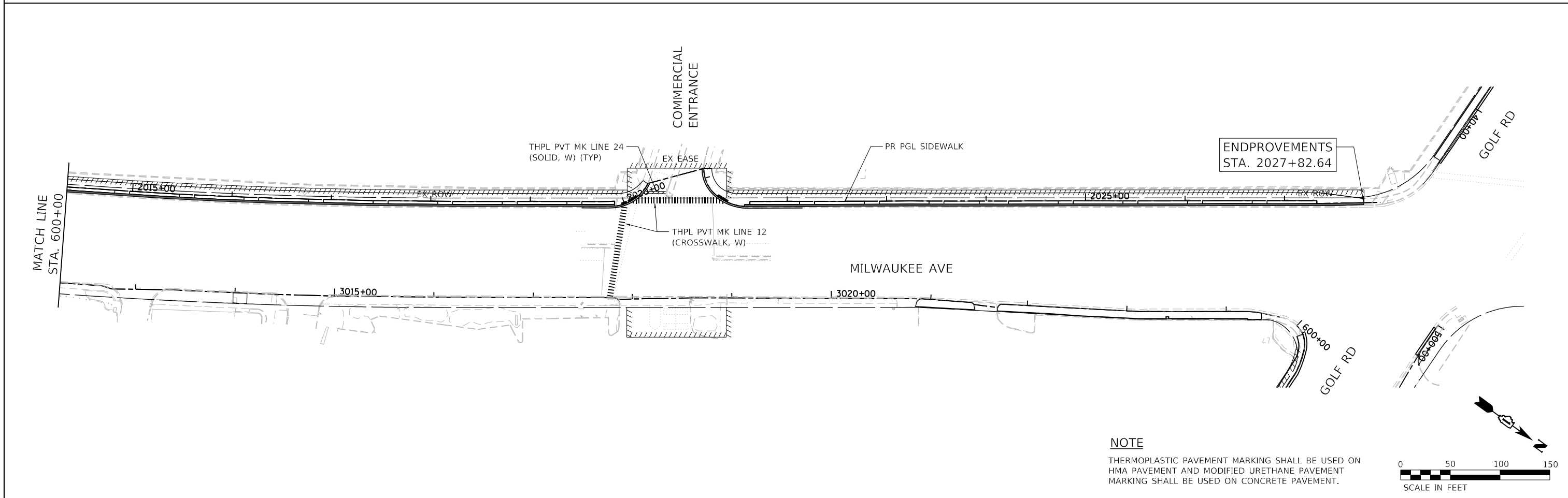
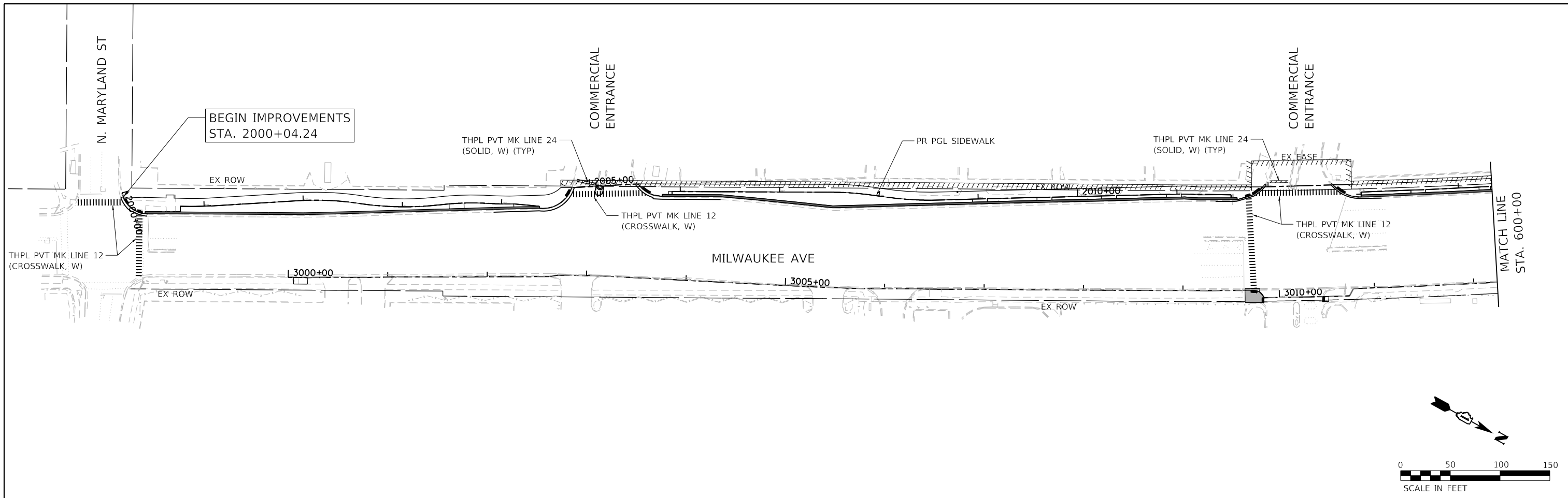
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
GREENWOOD AVENUE**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	79
			CONTRACT NO. 61174	
		ILLINOIS	FED. AID PROJECT	



NOTE
 THERMOPLASTIC PAVEMENT MARKING SHALL BE USED ON
 HMA PAVEMENT AND MODIFIED URETHANE PAVEMENT
 MARKING SHALL BE USED ON CONCRETE PAVEMENT.

HRG PROJECT NO: 200452
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PLOT DATE = 7/9/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
 MILWAUKEE AVENUE**

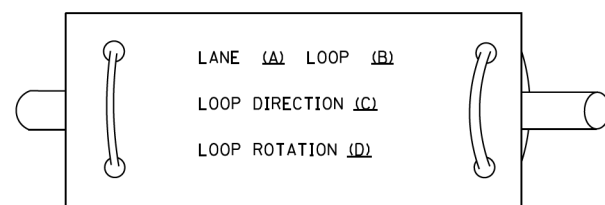
SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	80
CONTRACT NO. 61174			ILLINOIS FED. AID PROJECT	

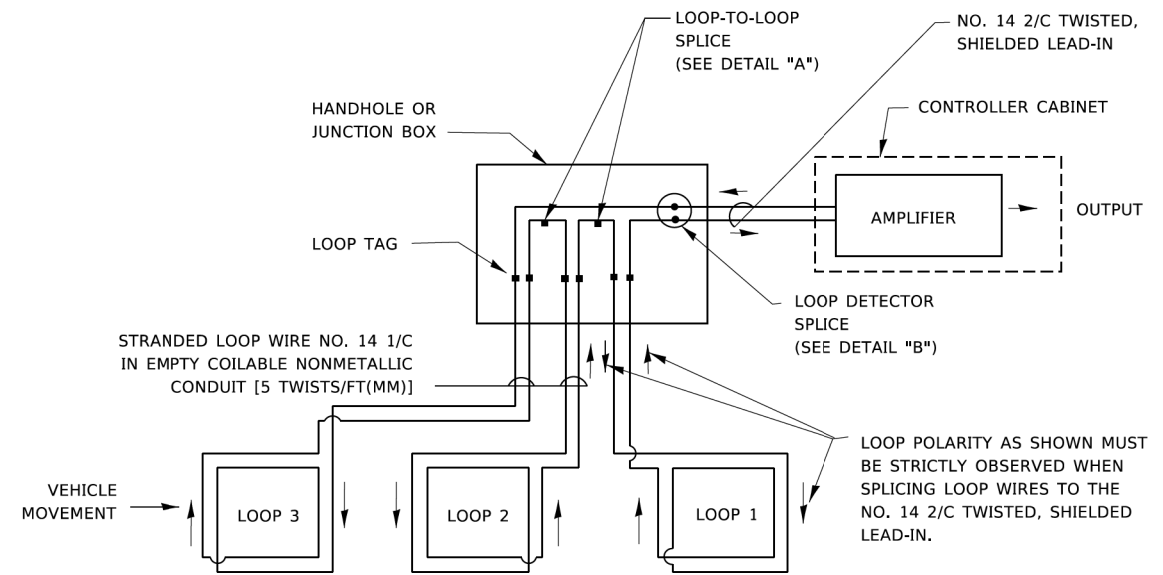
LOOP DETECTOR NOTES

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 DIVEHOLES 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

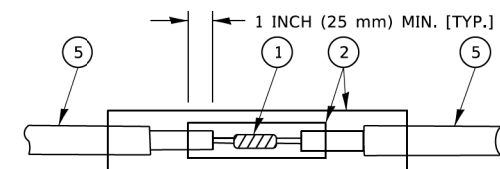


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

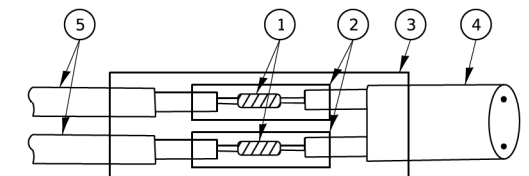


DETECTOR LOOP WIRING SCHEMATIC

- 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.

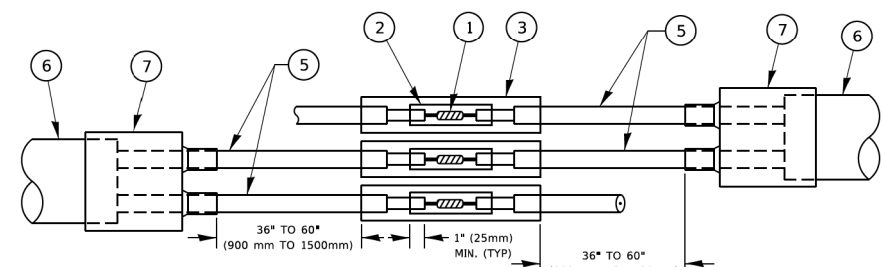


DETAIL "A"
LOOP-TO-LOOP SPLICE

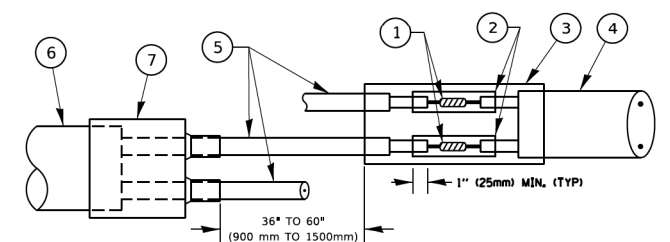


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

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

HRG PROJECT NO: 200452
 HRG PROJ CONTACT:
 FILE NAME: 200452-SHT-067-1505-02.dgn
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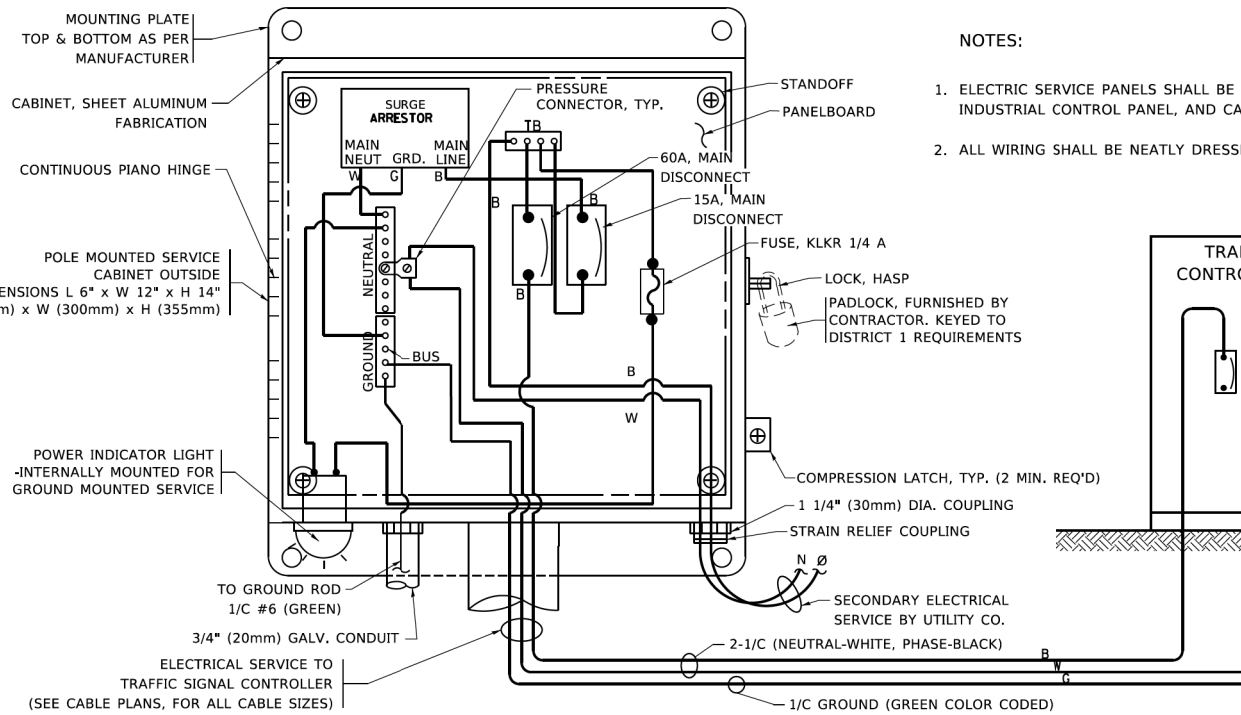
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

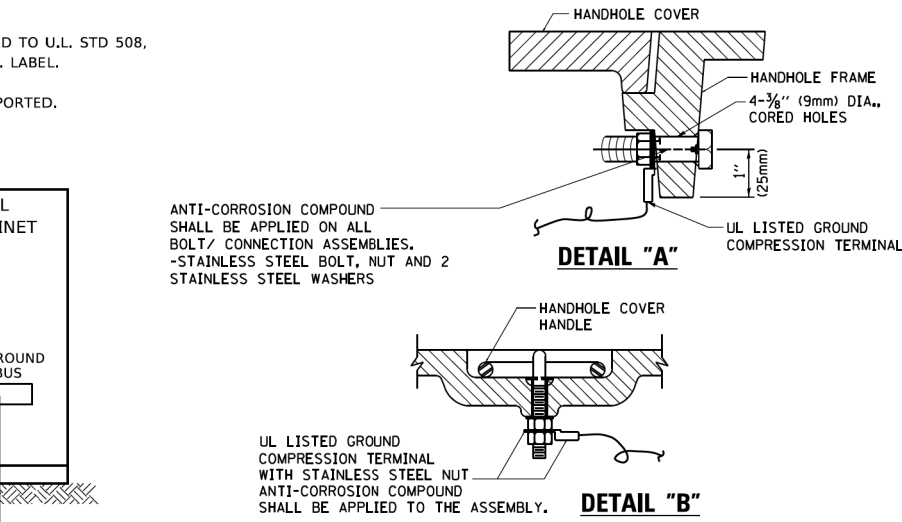
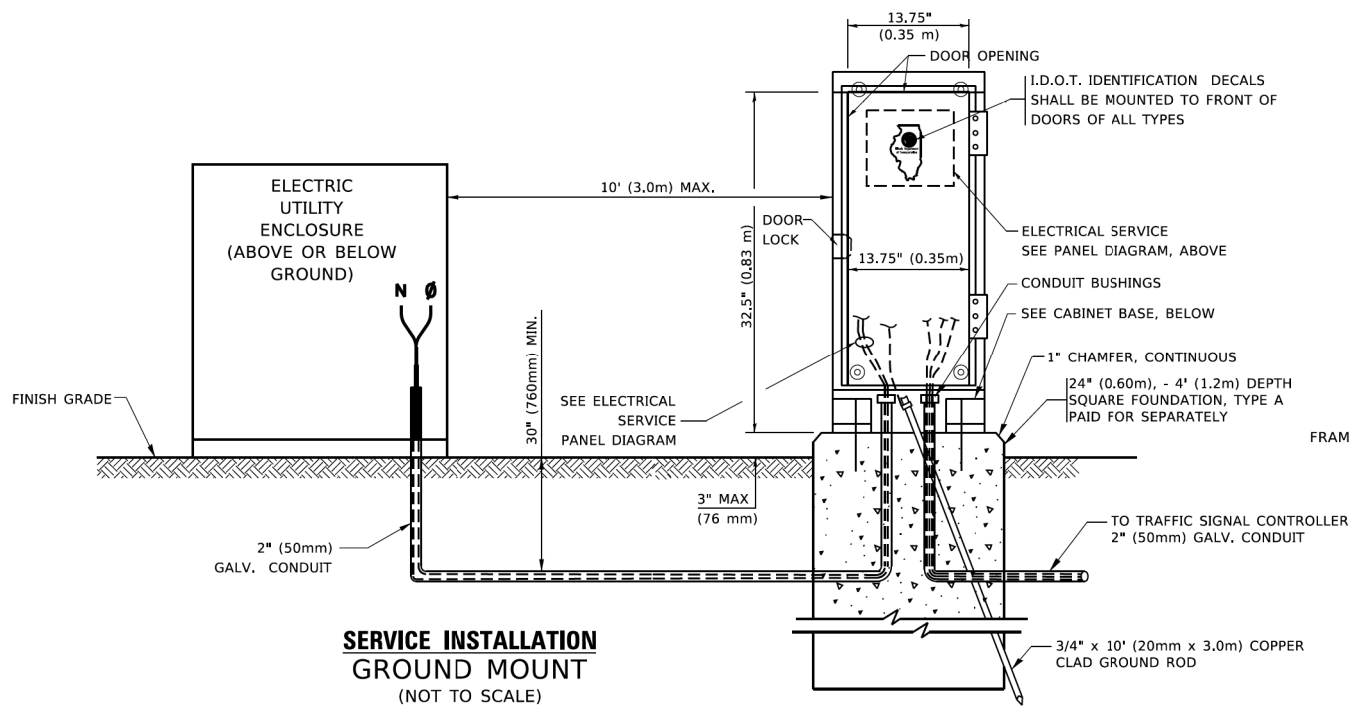
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	82
TS-05		CONTRACT NO. 61J74		
ILLINOIS FED. AID PROJECT				



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

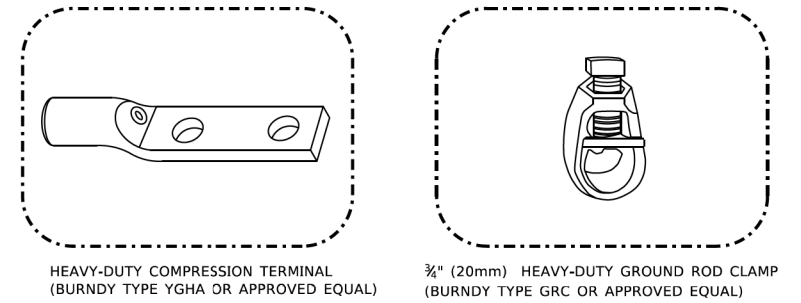


HANDHOLE COVER & FRAME - GROUNDING DETAIL
 (NOT TO SCALE)

EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL
 (NOT TO SCALE)

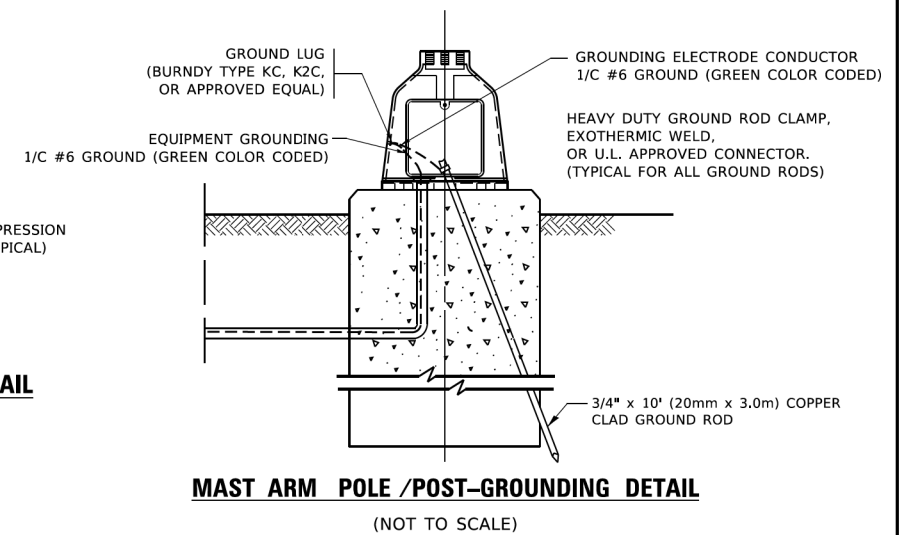
NOTES:
GROUNDING SYSTEM

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.



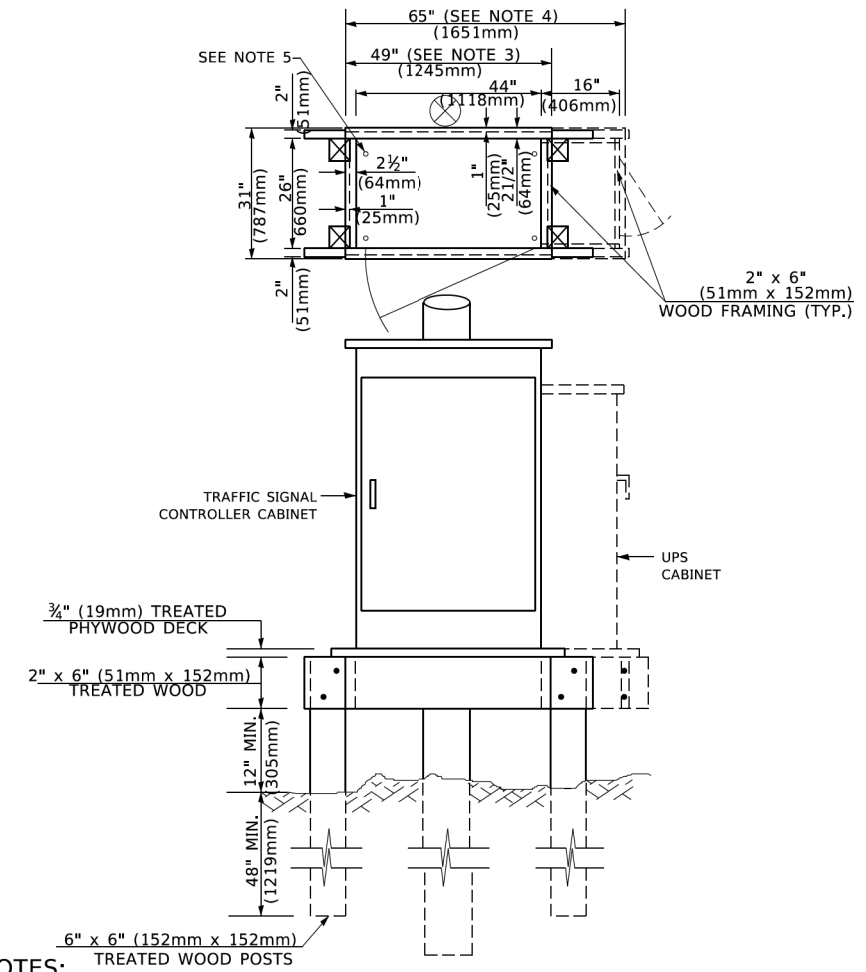
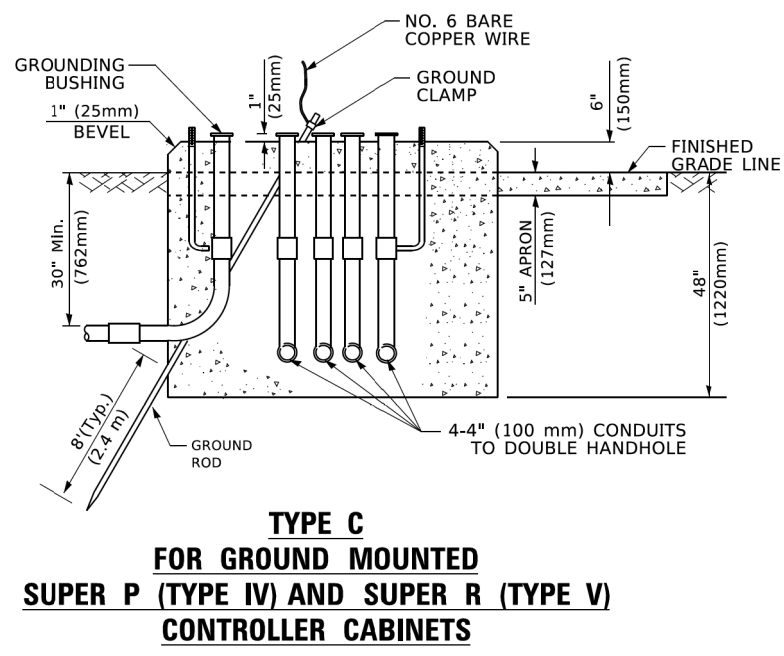
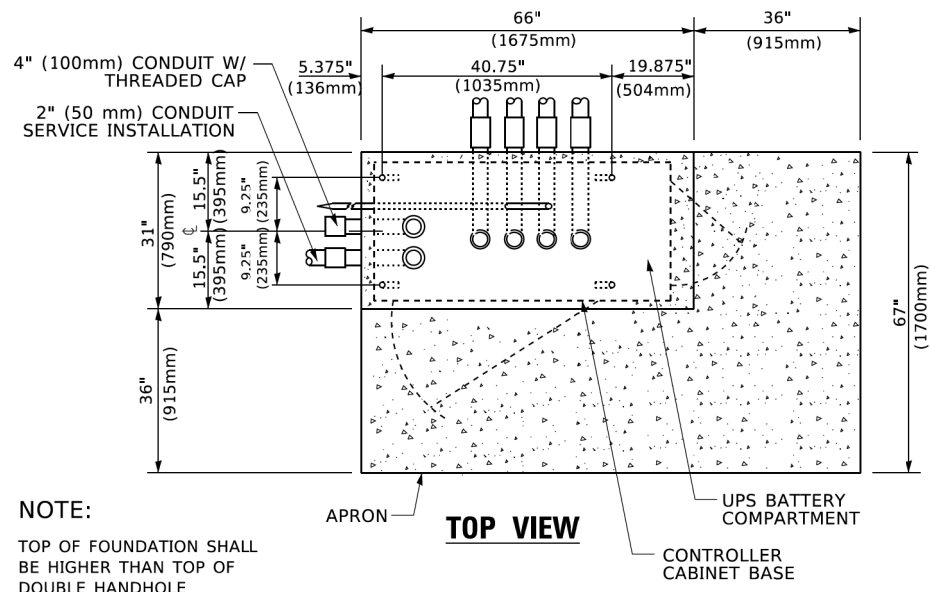
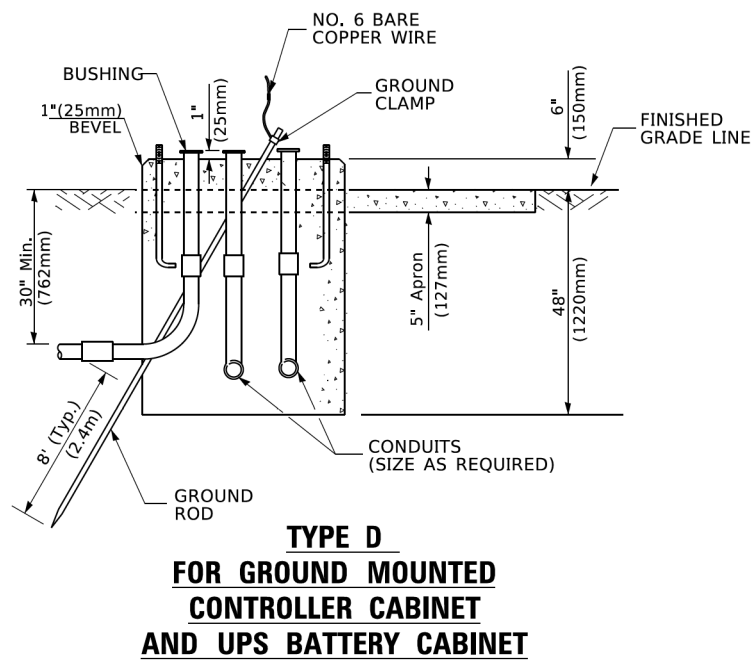
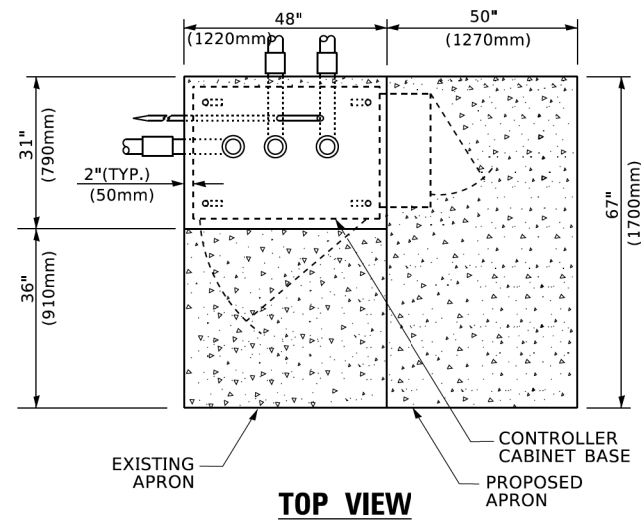
HRG PROJECT NO: 200452
 HRG PROJ CONTACT:
 FILE NAME: 200452-SHT-067-1505-04.dgn
 PLOT DATE: 3/4/2019
 PLOT SCALE: 50.0000 1/16"

USER NAME = footemj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50.0000 1/16"	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS
 SCALE: NONE SHEET 4 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	84
TS-05		CONTRACT NO. 61J74		
		ILLINOIS FED. AID PROJECT		



- NOTES:**
- 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.
 - 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.
 - PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
 - PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
 - 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.
 - FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

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:**
- 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.
 - Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
 - Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations
 - For mast arm assemblies with dual arms refer to state standard 878001..

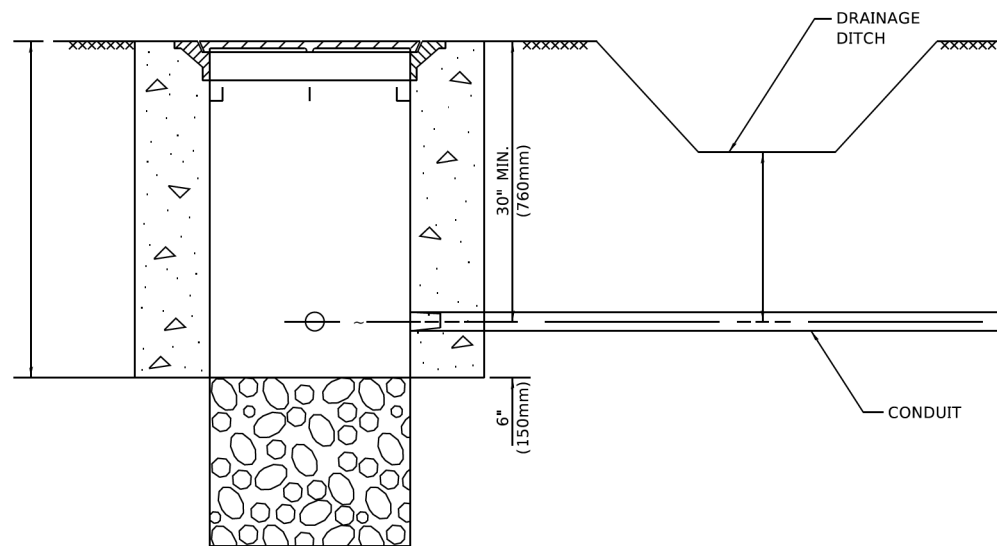
DEPTH OF MAST ARM FOUNDATIONS, TYPE E

HRG PROJECT No: 200452
 HRG PROJ CONTACT:
 FILE NAME: 200452-SHT-067-1505-05.dgn
 PLOT DATE: 3/4/2019
 PLOT SCALE: 1/8" = 1'-0"

USER NAME = footemj	DESIGNED -	REVISED -
PLOT SCALE = 50.0000' / 1"	DRAWN -	REVISED -
PLOT DATE = 3/4/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

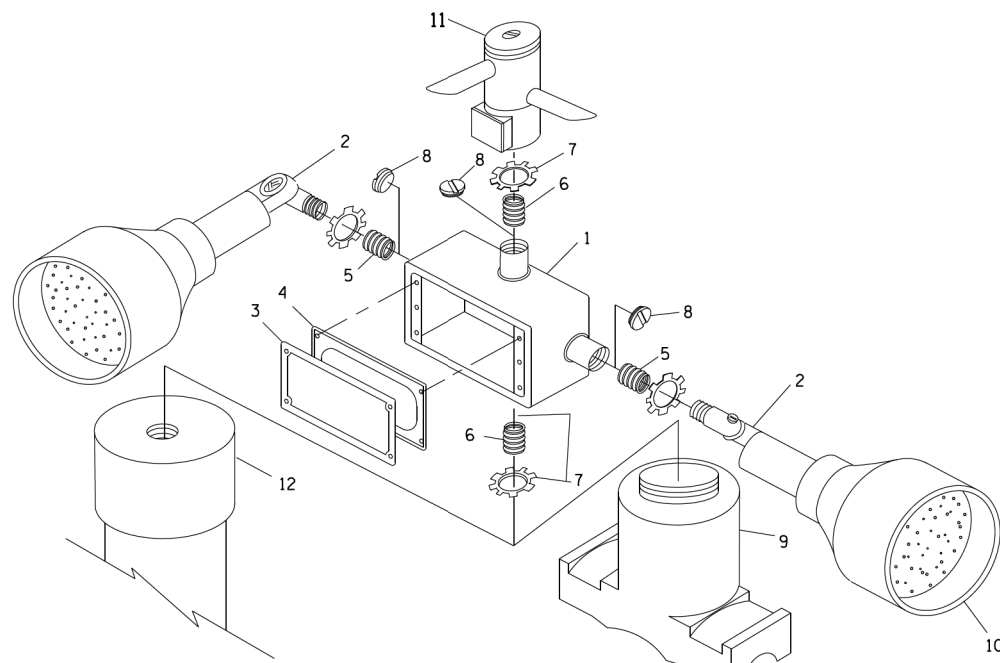
SCALE: NONE		SHEET 5 OF 7 SHEETS		STA. TO STA.	
DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS					
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
VAR.	18-00131-00-SW	COOK	146	85	
TS-05			CONTRACT NO. 61J74		
ILLINOIS FED. AID PROJECT					



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)

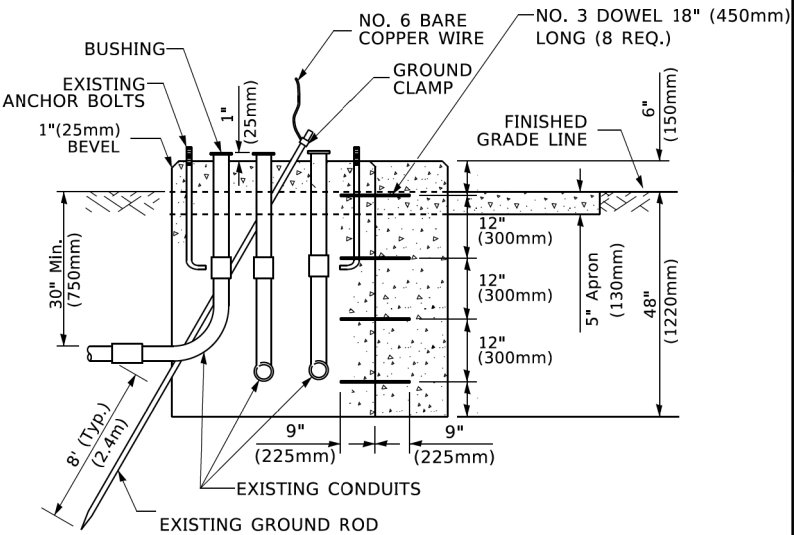
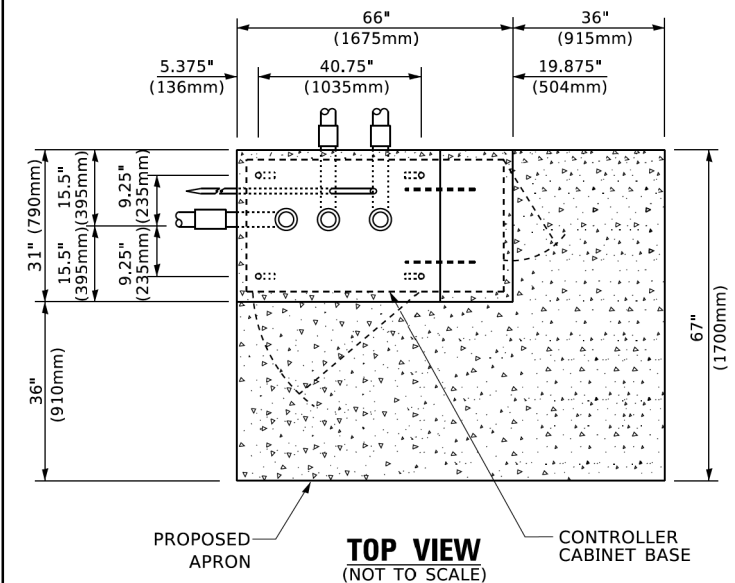


POST CAP MOUNT

MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION
BEACON MOUNTING DETAIL

USER NAME = footemj	DESIGNED -	REVISED -
PLOT SCALE = 50,0000' / 1"	DRAWN -	REVISED -
PLOT DATE = 3/4/2019	CHECKED -	REVISED -
	DATE -	REVISED -

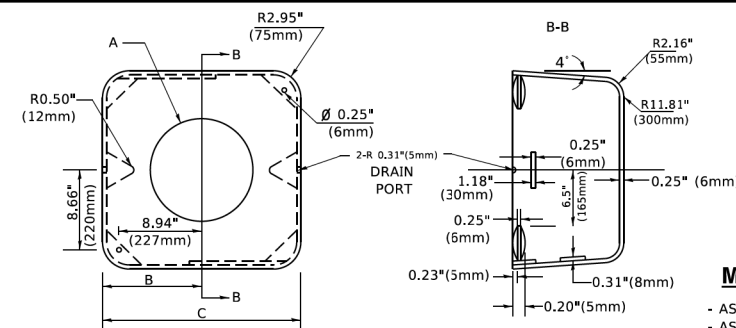


MODIFY EXISTING TYPE "D" FOUNDATION
TO TYPE "C" FOUNDATION
(NOT TO SCALE)

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.



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

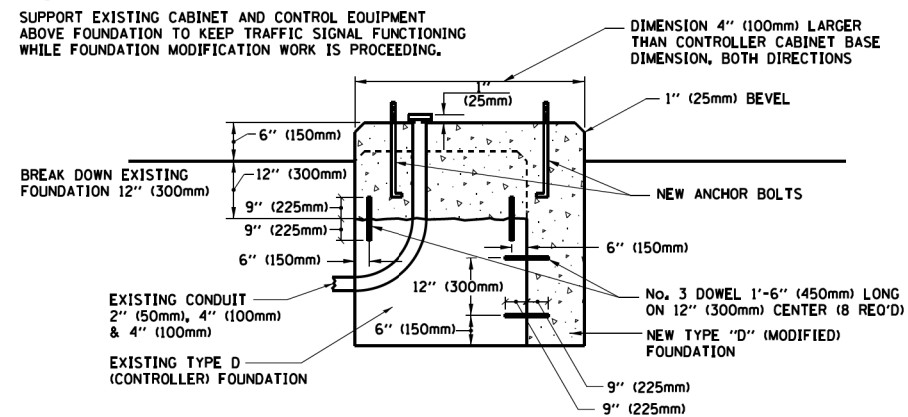
SHROUD

NOTES:

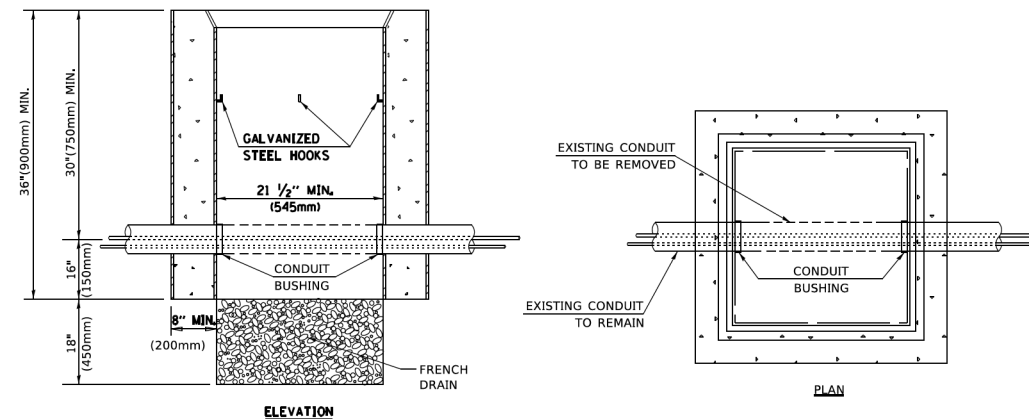
- 1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
- 2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
- 3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM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



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

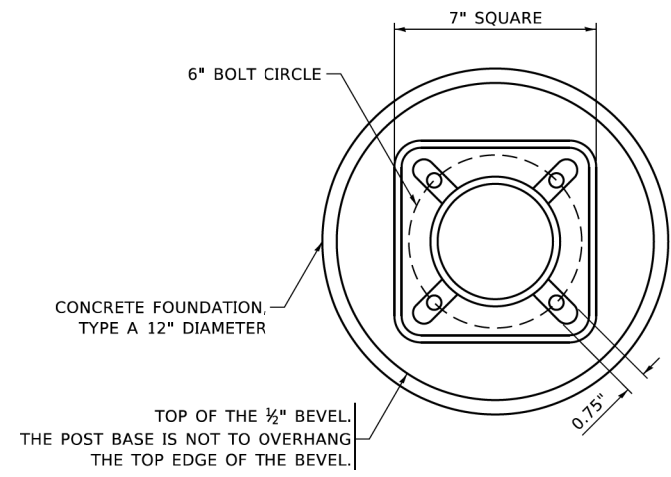
HRG PROJECT No: 200452
HRG PROJ CONTACT:
FILE NAME: 200452-sht-06r1-1505-06.dgn
PROJECT: ILLINOIS STATE GOVERNMENT TRANSPORTATION
PROJECT LOCATION: ILLINOIS STATE GOVERNMENT TRANSPORTATION
PROJECT: ILLINOIS STATE GOVERNMENT TRANSPORTATION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

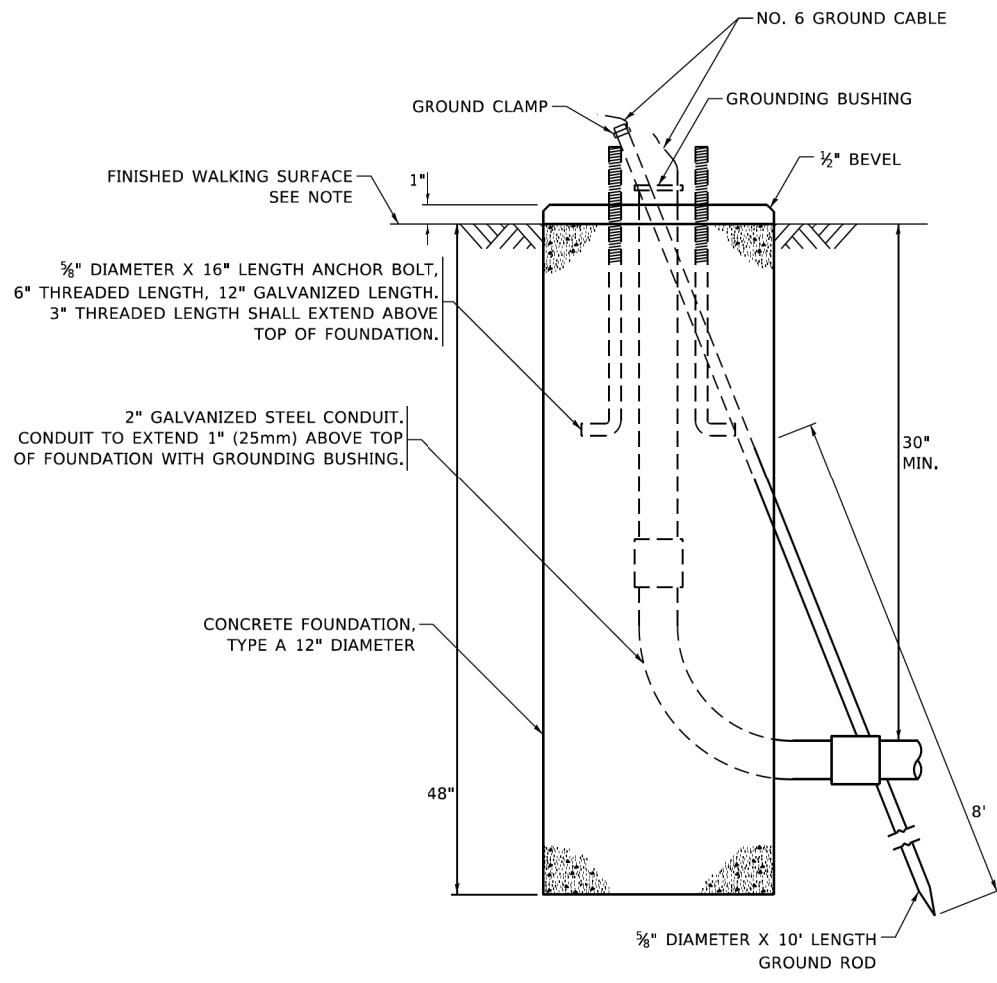
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	86
TS-05			CONTRACT NO. 61J74	
ILLINOIS / FED. AID PROJECT				

SCALE: NONE SHEET 6 OF 7 SHEETS STA. TO STA.

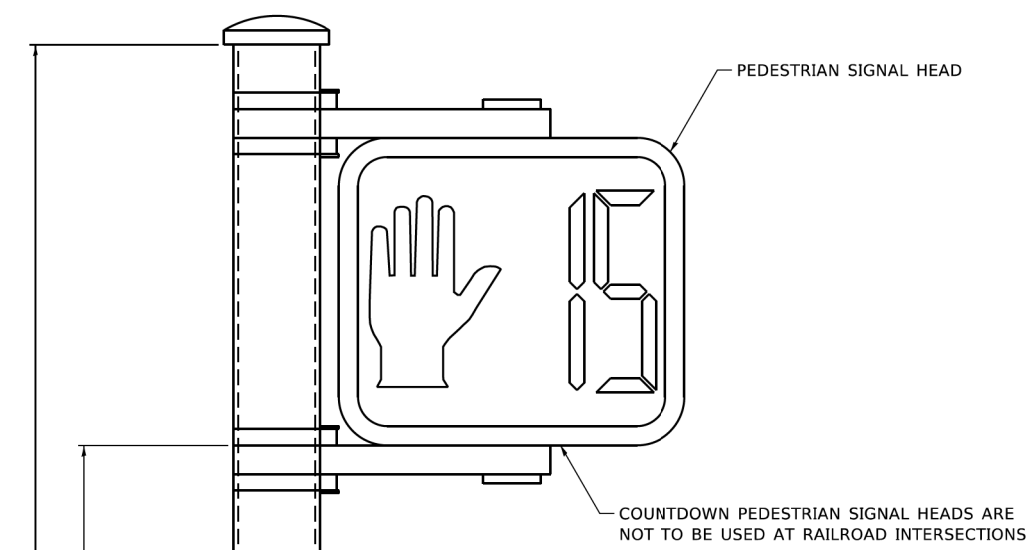


BOLT PATTERN

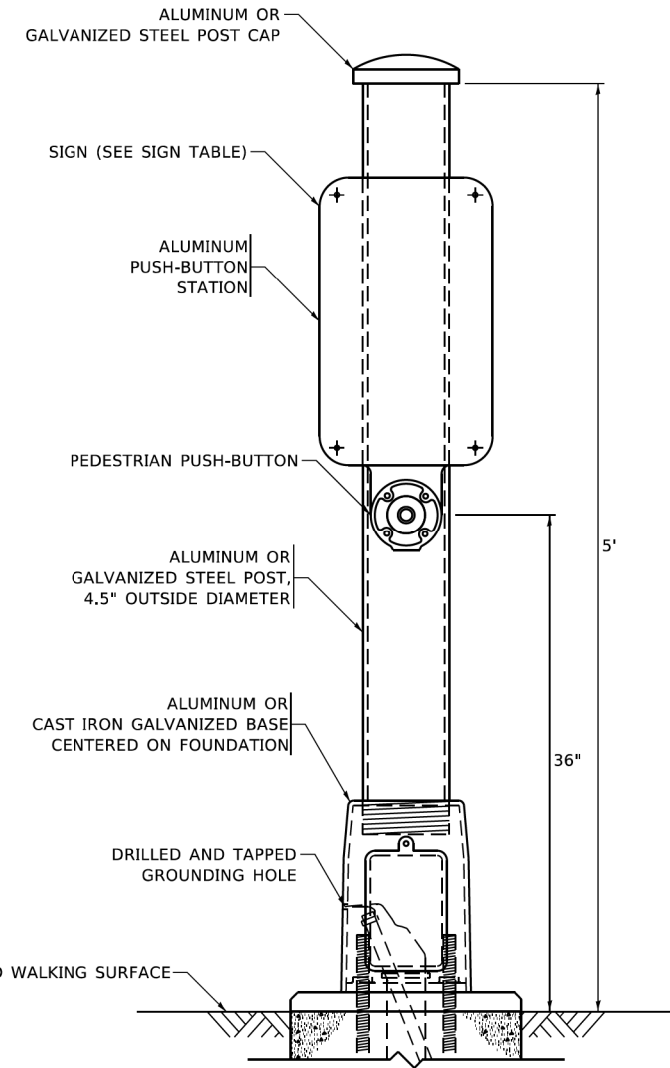
NOTE:
 1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



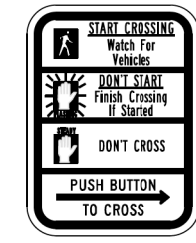
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER



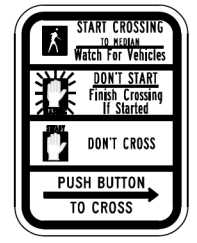
PEDESTRIAN SIGNAL POST, 10 FT.



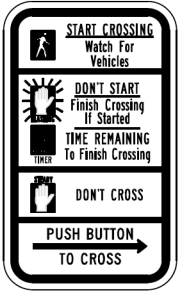
PEDESTRIAN SIGNAL POST, 5 FT.



R10-3b



R10-3d



R10-3e

SIGN TABLE

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

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.

HRG PROJECT NO: 200452
 HRG PROJ CONTACT:
 FILE NAME: 200452-SHT-067-TS05-07.dgn
 FILE PATH: \\p1c17g
 REVISIONS:
 FILE NAME: p:\p1c17g\Documents\DOT Offices\District 1\Projects\18-00131-00-SW\18-00131-00-SW.dgn

USER NAME = gaglanobt	DESIGNED - IP	REVISED -
	DRAWN - IP	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - LP	REVISED -
PLOT DATE = 11/23/2020	DATE - 10-15-2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

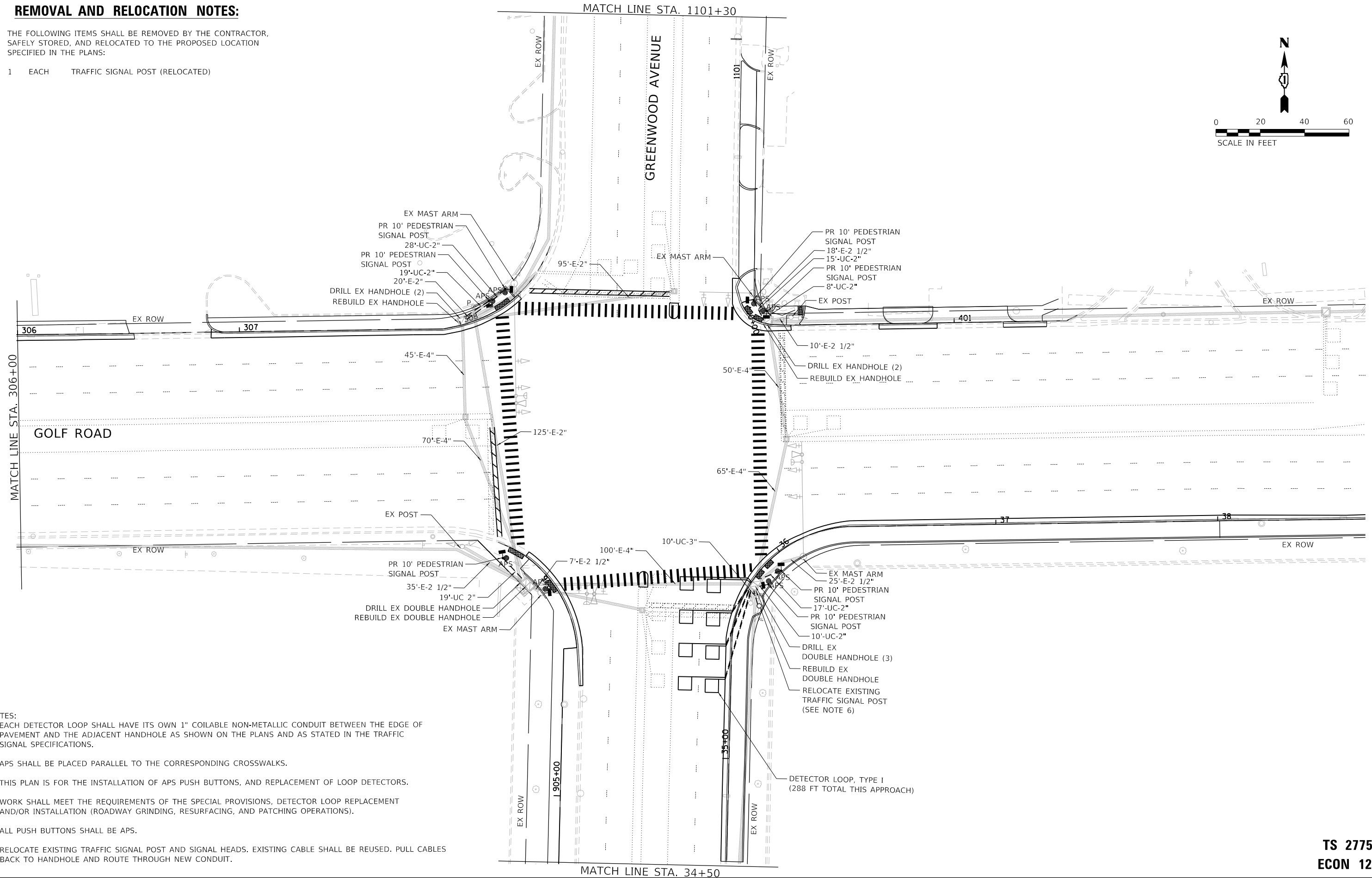
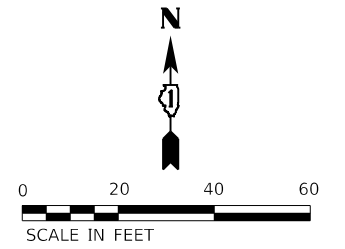
DISTRICT ONE	
STANDARD TRAFFIC SIGNAL DESIGN DETAILS	
SCALE: NONE	SHEET 7 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	87
TS-05		CONTRACT NO. 61174		
ILLINOIS FED. AID PROJECT				

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED, AND RELOCATED TO THE PROPOSED LOCATION SPECIFIED IN THE PLANS:

- 1 EACH TRAFFIC SIGNAL POST (RELOCATED)



- NOTES:
- EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
 - APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALKS.
 - THIS PLAN IS FOR THE INSTALLATION OF APS PUSH BUTTONS, AND REPLACEMENT OF LOOP DETECTORS.
 - WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
 - ALL PUSH BUTTONS SHALL BE APS.
 - RELOCATE EXISTING TRAFFIC SIGNAL POST AND SIGNAL HEADS. EXISTING CABLE SHALL BE REUSED. PULL CABLES BACK TO HANDHOLE AND ROUTE THROUGH NEW CONDUIT.

HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-SHT-1-S-061f-01.dgn
 PEN TABLE: 10/10/2024



USER NAME = bhartma	DESIGNED - CL	REVISED - XX/XX/XXXX
	DRAWN - WJH	REVISED - XX/XX/XXXX
PLOT SCALE = 40.0000' / in.	CHECKED - BDH	REVISED - XX/XX/XXXX
PLOT DATE = 7/22/2024	DATE -	REVISED - XX/XX/XXXX

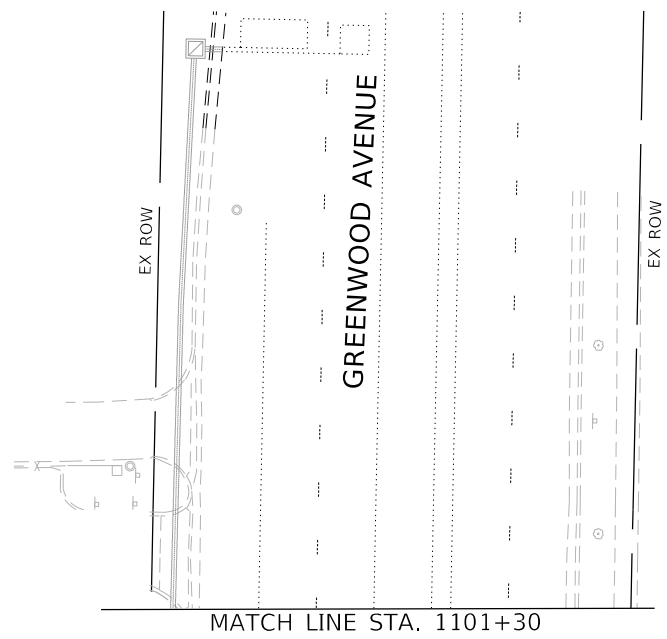
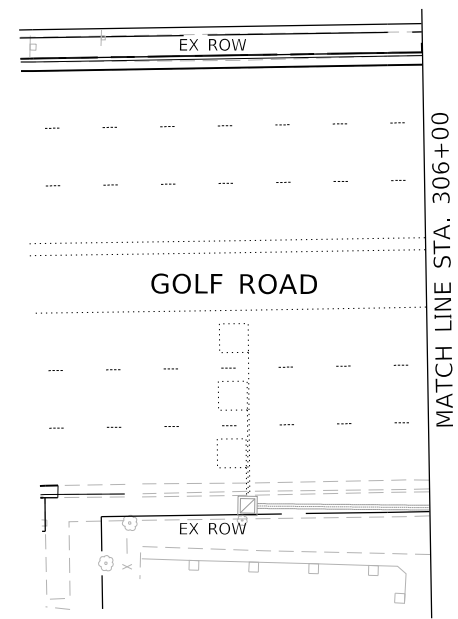
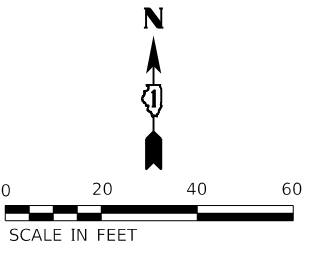
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 1 OF 2)
GOLF ROAD AND GREENWOOD AVENUE**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	88
			CONTRACT NO. 61174	
ILLINOIS FED. AID PROJECT				

**TS 2775
ECON 12**



HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-SHT-115-061f-02.dgn
 PLOT DATE: 7/22/2024 10:41:17 AM
 PEN TABLE: p101tbl.tbl



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	DRAWN - WJH	REVISED - XX/XX/XXXX
PLOT SCALE = 40.0000 ' / in.	CHECKED - BDH	REVISED - XX/XX/XXXX
PLOT DATE = 7/22/2024	DATE -	REVISED - XX/XX/XXXX

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 2 OF 2)
GOLF ROAD AND GREENWOOD AVENUE

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

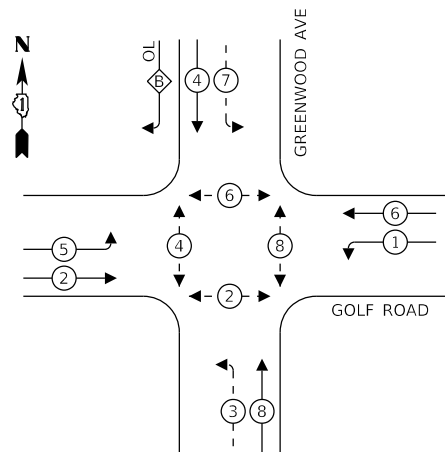
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	89
CONTRACT NO. 61174			ILLINOIS FED. AID PROJECT	

TS 2775
ECON 12

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	116
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	10
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,381
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,437
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,297
CONCRETE FOUNDATION, TYPE A	FOOT	4
DRILL EXISTING HANDHOLE	EACH	8
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
DETECTOR LOOP, TYPE I	FOOT	288
RELOCATE EXISTING SIGNAL HEAD	EACH	2
RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	43
REBUILD EXISTING HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	7
REBUILD EXISTING DOUBLE HANDHOLE	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	28
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

PROPOSED CONTROLLER SEQUENCE



LEGEND:

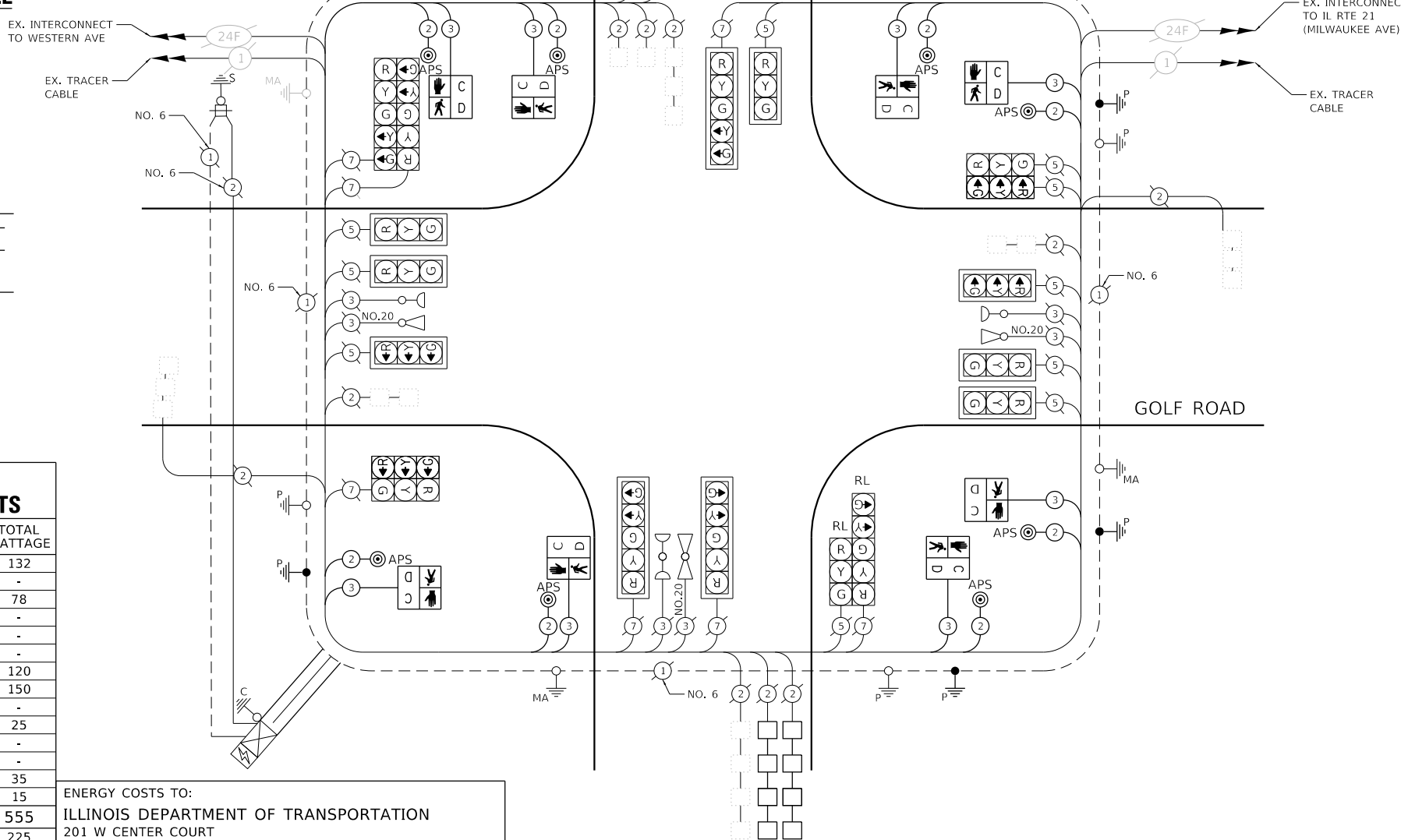
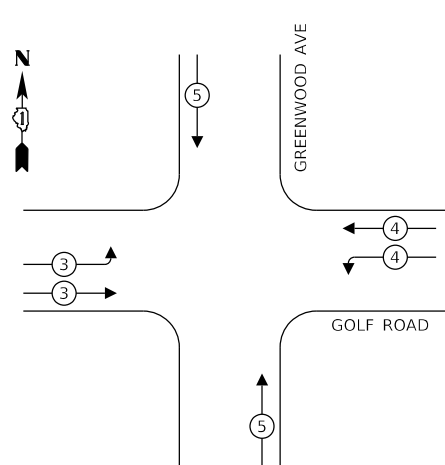
- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

RIGHT TURN OVERLAP

PHASE DESIGNATION:

OVERLAP LETTER = PERMISSIVE PHASE + PROJECTED PHASE
 B = 4 + 5

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	12	11	132
4-SECTION	-	14	-
5-SECTION	6	13	78
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	1	15	15
TOTAL UPS SIZING	555		
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING	1,160		

ENERGY COSTS TO:
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 W CENTER COURT
 SCHAUMBURG, IL 60196
 ENERGY SUPPLY: CONTACT: NEW BUSINESS DEPARTMENT
 PHONE: (866) 639-3532
 COMPANY: COMED
 ACCOUNT NUMBER: 73888-42222
 METER NUMBER: ---

HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-SHT-ts-Golf-03.dgn
 PEN TABLE: 03/10/2024



USER NAME = bhartma	DESIGNED - CL	REVISED - XX/XX/XXXX
	DRAWN - W/JH	REVISED - XX/XX/XXXX
PLOT SCALE = 40.0000' / in.	CHECKED - BDH	REVISED - XX/XX/XXXX
PLOT DATE = 7/22/2024	DATE -	REVISED - XX/XX/XXXX

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE GOLF ROAD AND GREENWOOD AVENUE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	90
CONTRACT NO. 61174				
ILLINOIS FED. AID PROJECT				

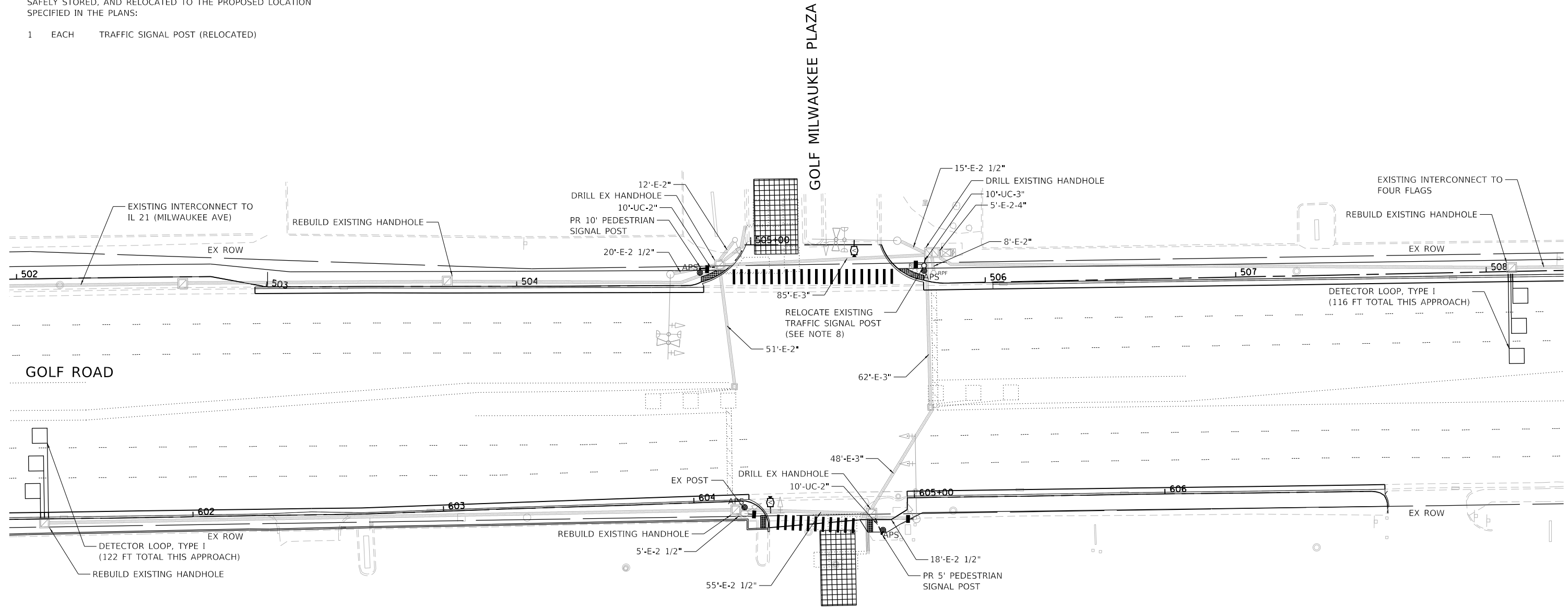
**TS 2775
 ECON 12**

SCALE: SHEET OF SHEETS STA. TO STA.

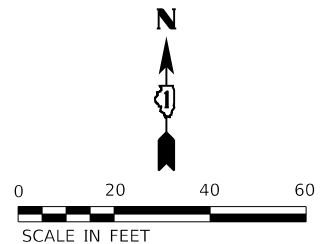
REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED, AND RELOCATED TO THE PROPOSED LOCATION SPECIFIED IN THE PLANS:

- 1 EACH TRAFFIC SIGNAL POST (RELOCATED)



- NOTES:
1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
 2. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALKS.
 3. THIS PLAN IS FOR THE INSTALLATION OF APS PUSH BUTTONS, INSTALLATION OF VIDEO DETECTION SYSTEM, AND REPLACEMENT OF LOOP DETECTORS.
 4. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
 5. ALL PUSH BUTTONS SHALL BE APS.
 6. VIDEO DETECTION SYSTEMS SHALL BE MOUNTED ON RISER BRACKETS AT THE LENGTH DETERMINED BY THE MANUFACTURER. FINAL CAMERA LOCATIONS SHALL BE OPTIMAL TO MINIMIZE OCCLUSION-BASED FALSE CALLS FROM TRAFFIC IN ADJACENT LANES.
 7. EXISTING LOOPS IN THE DRIVEWAYS SHALL BE ABANDONED AND REPLACED WITH VIDEO DETECTION, AND LEAD-IN CABLE SHALL BE REMOVED.
 8. RELOCATE EXISTING TRAFFIC SIGNAL POST AND SIGNAL HEADS ON NEW FOUNDATION. EXISTING CABLE SHALL BE REUSED. PULL CABLES BACK TO HANDHOLE AND ROUTE THROUGH NEW CONDUIT.



**TS 11210
ECON 12**

HRG PROJECT NO. 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-SM-TS-Golf-04.dgn
 PEN TABLE: 1/10/2024



USER NAME = bhartma	DESIGNED - CL	REVISED - XX/XX/XXXX
	DRAWN - W/JH	REVISED - XX/XX/XXXX
PLOT SCALE = 40,0000 ' / in.	CHECKED - BDH	REVISED - XX/XX/XXXX
PLOT DATE = 7/22/2024	DATE -	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN
GOLF ROAD AND GOLF MILWAUKEE PLAZA**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	91
CONTRACT NO. 6174				
ILLINOIS FED. AID PROJECT				

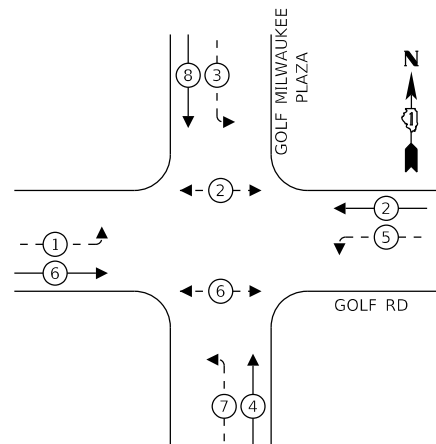
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	20
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	10
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	574
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	612
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,509
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	294
CONCRETE FOUNDATION, TYPE A	FOOT	4
DRILL EXISTING HANDHOLE	EACH	3
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
INDUCTIVE LOOP DETECTOR	EACH	4
DETECTOR LOOP, TYPE I	FOOT	238
RELOCATE EXISTING SIGNAL HEAD	EACH	1
RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	529
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	45
REBUILD EXISTING HANDHOLE	EACH	4
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

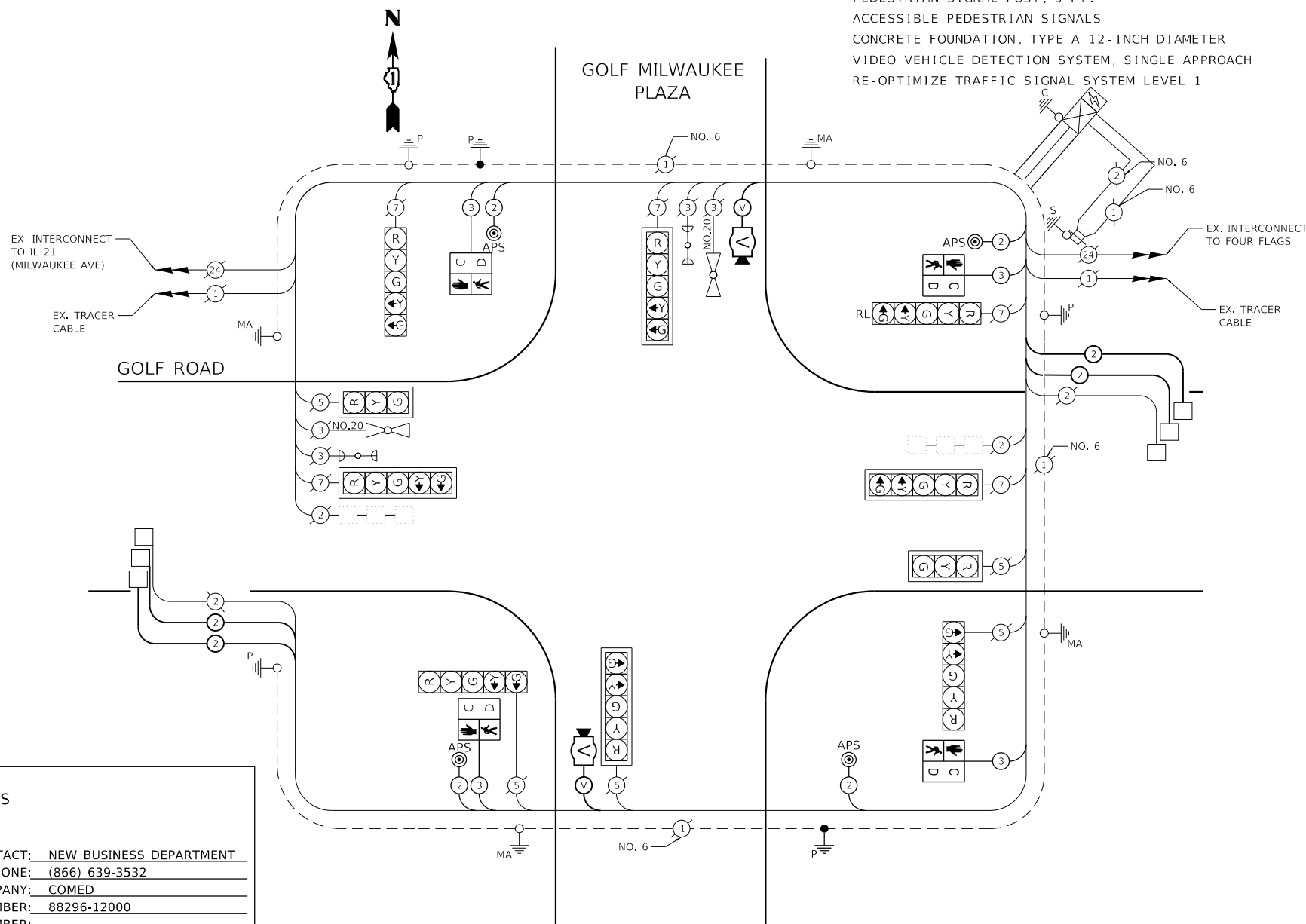
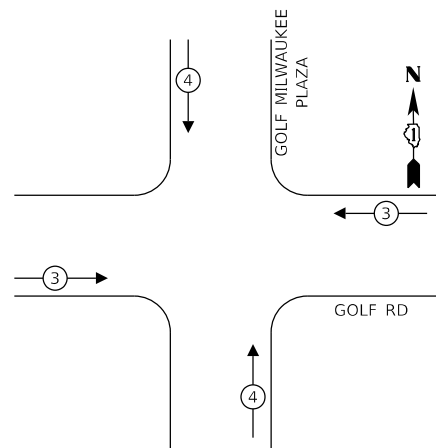
PROPOSED CONTROLLER SEQUENCE

LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP



PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	2	11	22
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	2	20	40
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	1	15	15
TOTAL UPS SIZING	451		
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING	1056		

ENERGY COSTS TO:
 THE VILLAGE OF NILES
 1000 CIVIC CENTER DRIVE
 NILES, IL 60714

ENERGY SUPPLY: CONTACT: NEW BUSINESS DEPARTMENT
 PHONE: (866) 639-3532
 COMPANY: COMED
 ACCOUNT NUMBER: 88296-12000
 METER NUMBER: ---

HRG PROJECT No.: 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-SH-1-rs-gdrf-05.dgn
 PLOT DATE: 7/22/2024
 PEN TABLE: nls/tables.tbl



USER NAME = bhartma
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 7/22/2024

DESIGNED - CL
 DRAWN - W/JH
 CHECKED - BDH
 DATE -

REVISED - XX/XX/XXXX
 REVISED - XX/XX/XXXX
 REVISED - XX/XX/XXXX
 REVISED - XX/XX/XXXX

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES,
 AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
 GOLF ROAD AND GOLF MILWAUKEE PLAZA

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
18-00131-00-SW		COOK	146	92

CONTRACT NO. 61174

ILLINOIS FED. AID PROJECT

TS 11210
 ECON 12

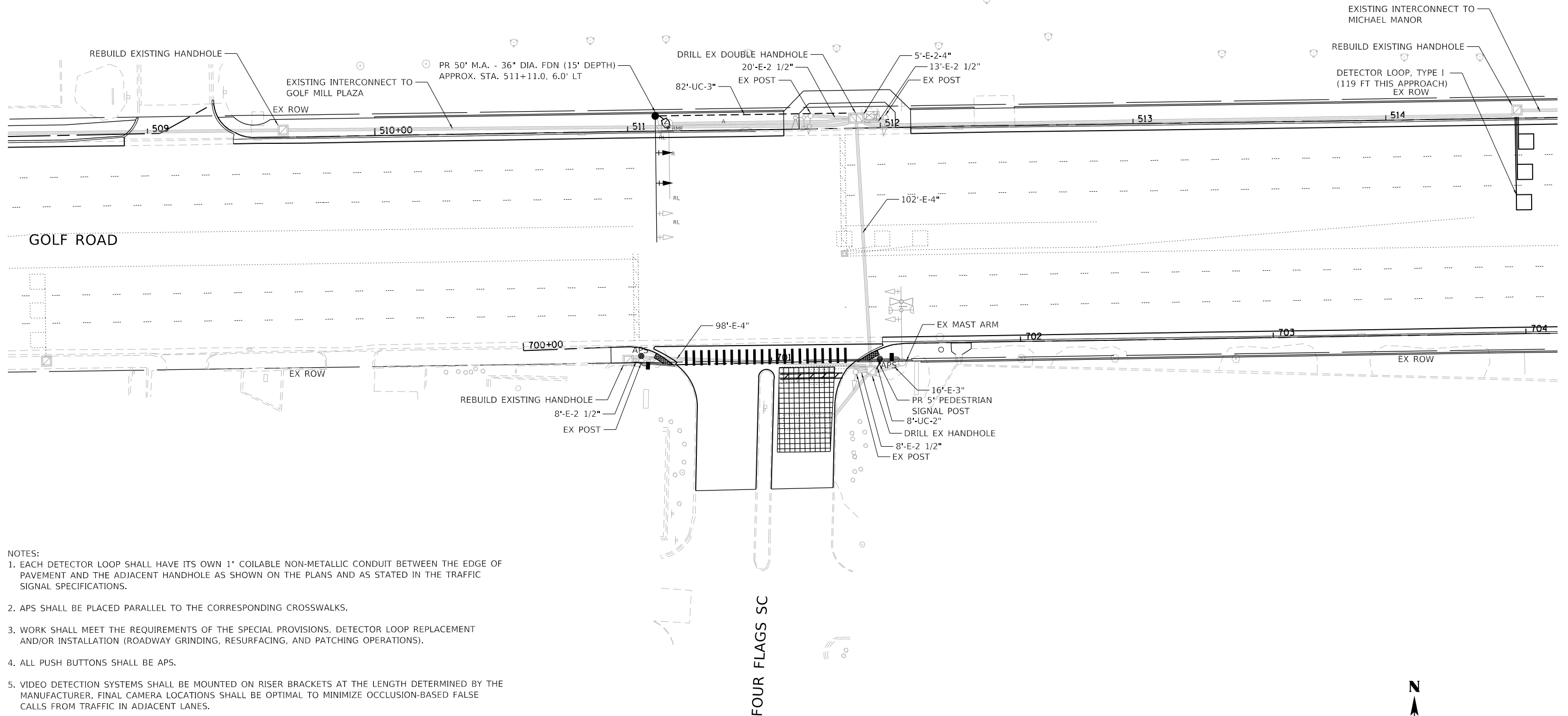
REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SAFELY RELOCATED TO THE PROPOSED MAST ARM:

- 2 EACH 3-SECTION SIGNAL HEADS
- 1 EACH 5-SECTION SIGNAL HEAD

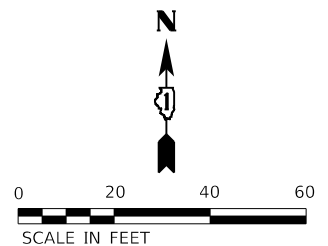
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE:

- 1 EACH STEEL MAST ARM ASSEMBLY AND POST



NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALKS.
3. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
4. ALL PUSH BUTTONS SHALL BE APS.
5. VIDEO DETECTION SYSTEMS SHALL BE MOUNTED ON RISER BRACKETS AT THE LENGTH DETERMINED BY THE MANUFACTURER. FINAL CAMERA LOCATIONS SHALL BE OPTIMAL TO MINIMIZE OCCLUSION-BASED FALSE CALLS FROM TRAFFIC IN ADJACENT LANES.
6. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.
7. PROPOSED MAST ARM AND POLE, FOUNDATION, AND CONDUIT WILL BE CONSTRUCTED PRIOR TO THE RELOCATION OF THE EXISTING TRAFFIC SIGNAL HEADS. TRAFFIC SIGNAL DOWN TIME SHALL BE MINIMIZED AND NO TEMPORARY TRAFFIC SIGNALS SHALL BE USED.
8. EXISTING LOOPS IN THE FOUR FLAGS ACCESS DRIVEWAY SHALL BE ABANDONED AND REPLACED WITH VIDEO DETECTION, AND LEAD-IN CABLE SHALL BE REMOVED.



TS 2885
ECON 12

HRG PROJECT NO. 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-SM-TS-Golf-06.dgn
 PEN TABLE: 1/10/2024



USER NAME = bhartma	DESIGNED - CL	REVISED - XX/XX/XXXX
	DRAWN - W/JH	REVISED - XX/XX/XXXX
PLOT SCALE = 40.0000 ' / in.	CHECKED - BDH	REVISED - XX/XX/XXXX
PLOT DATE = 7/22/2024	DATE -	REVISED - XX/XX/XXXX

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
GOLF ROAD AND FOUR FLAGS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	93
CONTRACT NO. 61174			ILLINOIS FED. AID PROJECT	

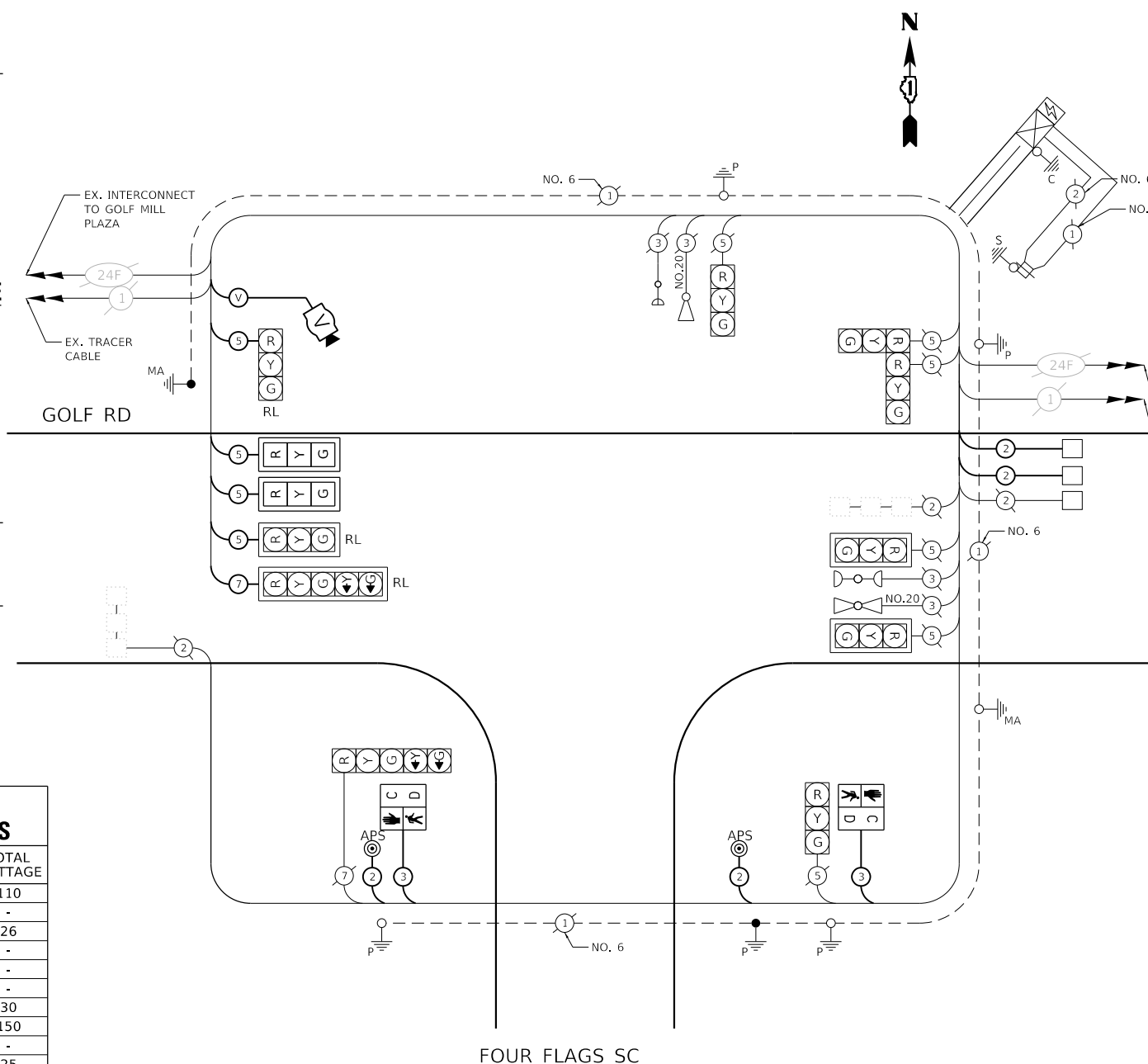
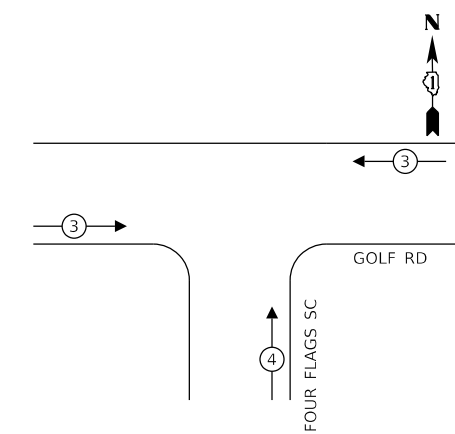
PROPOSED CONTROLLER SEQUENCE

LEGEND:

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



PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



ITEM DESCRIPTION	UNIT	TOTAL
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	8
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	82
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	401
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	423
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	523
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	173
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	589
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	248
STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	15
DRILL EXISTING HANDHOLE	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2
INDUCTIVE LOOP DETECTOR	EACH	2
DETECTOR LOOP, TYPE I	FOOT	119
RELOCATE EXISTING SIGNAL HEAD	EACH	3
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	514
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	3
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	10	11	110
4-SECTION	-	14	-
5-SECTION	2	13	26
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	2	15	30
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	1	20	20
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	1	15	15
TOTAL UPS SIZING	411		
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING	1016		

ENERGY COSTS TO:
THE VILLAGE OF NILES
 1000 CIVIC CENTER DRIVE
 NILES, IL 60714

ENERGY SUPPLY: CONTACT: NEW BUSINESS DEPARTMENT
 PHONE: (866) 639-3532
 COMPANY: COMED
 ACCOUNT NUMBER: 88296-12000
 METER NUMBER: ---

HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-SHT-1-S-Genf-07.dgn
 PEN TABLE: 18-00131-00-5W



USER NAME = bhartma
 DESIGNED - CL
 DRAWN - W/JH
 CHECKED - BDH
 DATE -

REVISIONS:
 REVISED - XX/XX/XXXX
 REVISED - XX/XX/XXXX
 REVISED - XX/XX/XXXX
 REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, SEQUENCES, AND SCHEDULE OF QUANTITIES
 GOLF ROAD AND FOUR FLAGS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-5W	COOK	146	94
			CONTRACT NO. 61174	

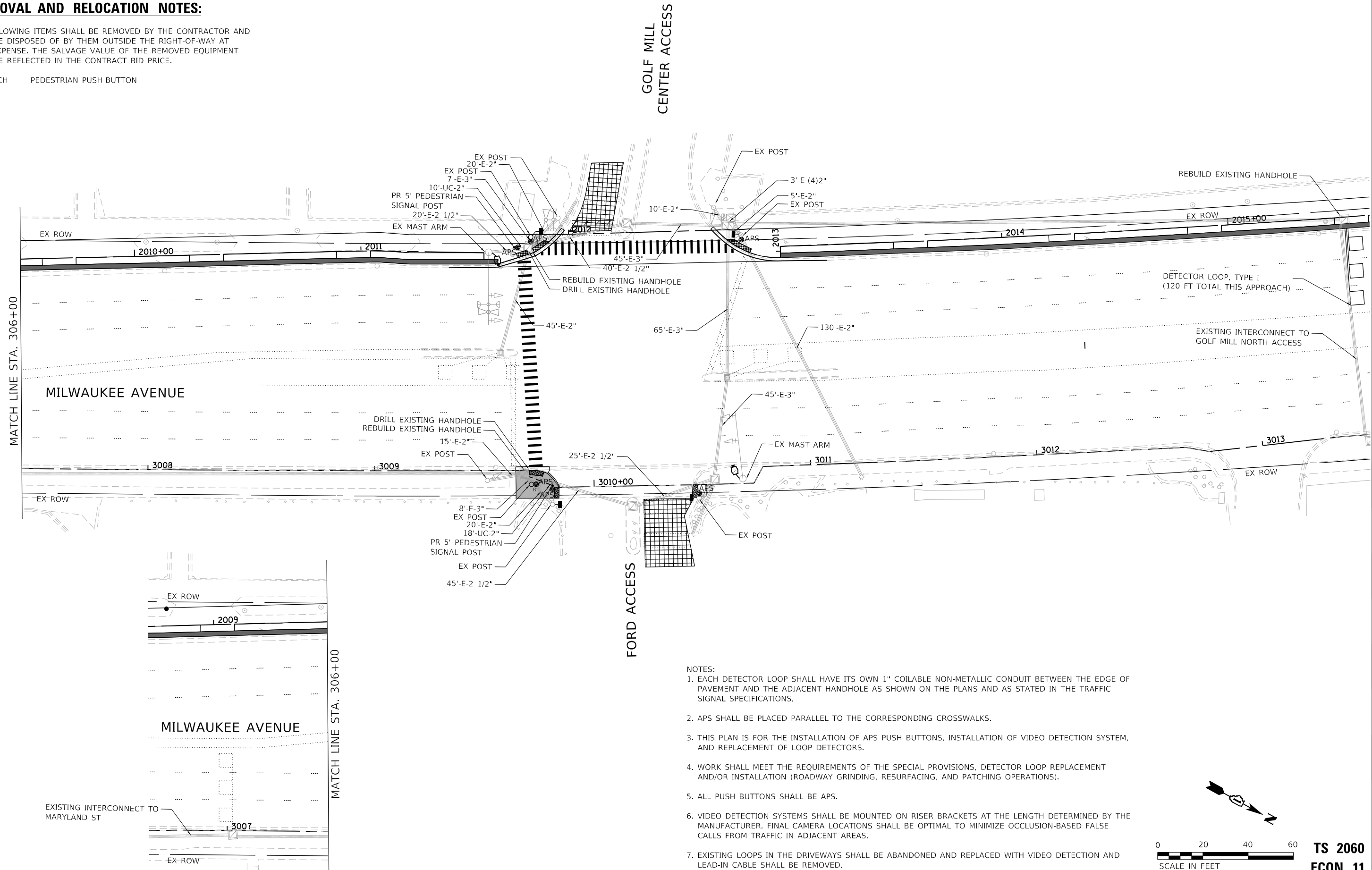
**TS 2885
 ECON 12**

ILLINOIS FED. AID PROJECT

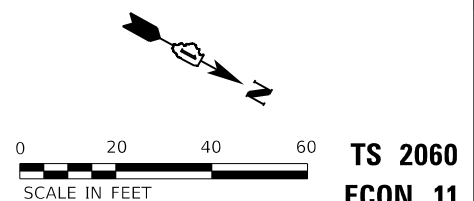
REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

2 EACH PEDESTRIAN PUSH-BUTTON



- NOTES:
1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
 2. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALKS.
 3. THIS PLAN IS FOR THE INSTALLATION OF APS PUSH BUTTONS, INSTALLATION OF VIDEO DETECTION SYSTEM, AND REPLACEMENT OF LOOP DETECTORS.
 4. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
 5. ALL PUSH BUTTONS SHALL BE APS.
 6. VIDEO DETECTION SYSTEMS SHALL BE MOUNTED ON RISER BRACKETS AT THE LENGTH DETERMINED BY THE MANUFACTURER. FINAL CAMERA LOCATIONS SHALL BE OPTIMAL TO MINIMIZE OCCLUSION-BASED FALSE CALLS FROM TRAFFIC IN ADJACENT AREAS.
 7. EXISTING LOOPS IN THE DRIVEWAYS SHALL BE ABANDONED AND REPLACED WITH VIDEO DETECTION AND LEAD-IN CABLE SHALL BE REMOVED.



HRG PROJECT NO: 200452
 HRG PROJ CONTACT:
 FILE NAME: 200452-SHT-15-MP-0.dgn
 PEN TABLE: 1/10/2024



USER NAME = bhartma	DESIGNED - CL	REVISED - XX/XX/XXXX
	DRAWN - W/JH	REVISED - XX/XX/XXXX
PLOT SCALE = 40,0000' / in.	CHECKED - BDH	REVISED - XX/XX/XXXX
PLOT DATE = 7/22/2024	DATE -	REVISED - XX/XX/XXXX

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

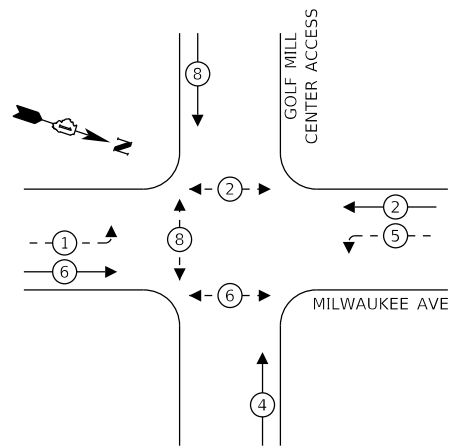
TRAFFIC SIGNAL MODERNIZATION PLAN
MILWAUKEE AVENUE AND GOLF MILL CENTER ACCESS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	95
			CONTRACT NO. 61174	
		ILLINOIS	FED. AID PROJECT	

TS 2060
ECON 11

PROPOSED CONTROLLER SEQUENCE



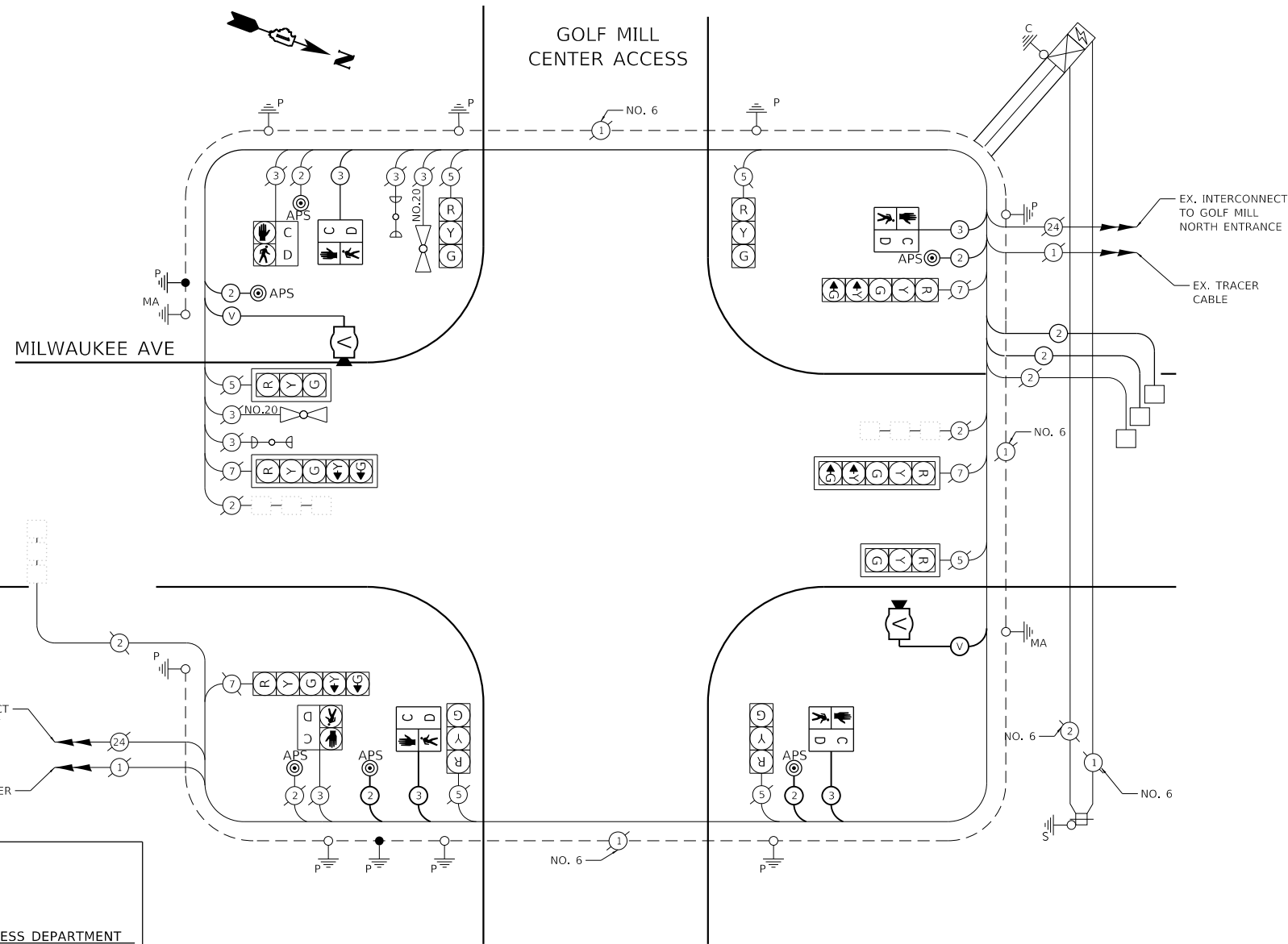
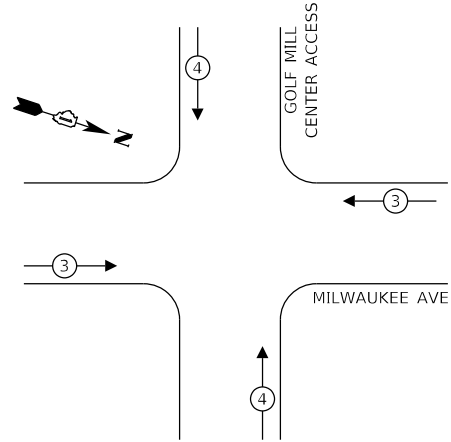
LEGEND:

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

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	28
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	631
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	671
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	601
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	407
DRILL EXISTING HANDHOLE	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
INDUCTIVE LOOP DETECTOR	EACH	2
DETECTOR LOOP, TYPE I	FOOT	120
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	275
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	3
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	6	11	66
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	6	15	90
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	2	20	40
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	1	15	15
TOTAL UPS SIZING	473		
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING	1078		

ENERGY COSTS TO:
 THE VILLAGE OF NILES
 1000 CIVIC CENTER DRIVE
 NILES, IL 60714

ENERGY SUPPLY: CONTACT: NEW BUSINESS DEPARTMENT
 PHONE: (866) 639-3532
 COMPANY: COMED
 ACCOUNT NUMBER: 88296-12000
 METER NUMBER: ---

HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-SHT-15-MP-02.dgn
 PEN TABLE: 1/10/2024



USER NAME = bhartma
 DESIGNED - CL
 DRAWN - W/JH
 CHECKED - BDH
 DATE -
 PLOT SCALE = 40.0000 ' / in.
 PLOT DATE = 7/22/2024

REVISIONS:
 REVISED - XX/XX/XXXX
 REVISED - XX/XX/XXXX
 REVISED - XX/XX/XXXX
 REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES,
 AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
 MILWAUKEE AVENUE AND GOLF MILL CENTER ACCESS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00131-00-SW	COOK	146	96
CONTRACT NO. 61174				
ILLINOIS FED. AID PROJECT				

**TS 2060
 ECON 11**

NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALKS.
3. THIS PLAN IS FOR THE INSTALLATION OF APS PUSH BUTTONS, INSTALLATION OF VIDEO DETECTION SYSTEM, AND REPLACEMENT OF LOOP DETECTORS.
4. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
5. ALL PUSH BUTTONS SHALL BE APS.
6. VIDEO DETECTION SYSTEMS SHALL BE MOUNTED ON RISER BRACKETS AT THE LENGTH DETERMINED BY THE MANUFACTURER. FINAL CAMERA LOCATIONS SHALL BE OPTIMAL TO MINIMIZE OCCLUSION-BASED FALSE CALLS FROM TRAFFIC IN ADJACENT AREAS.
7. EXISTING LOOPS IN THE DRIVEWAYS SHALL BE ABANDONED AND REPLACED WITH VIDEO DETECTION AND LEAD-IN CABLE SHALL BE REMOVED.

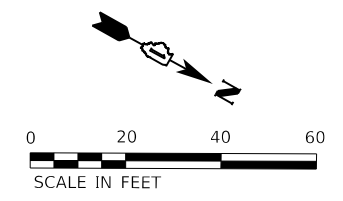
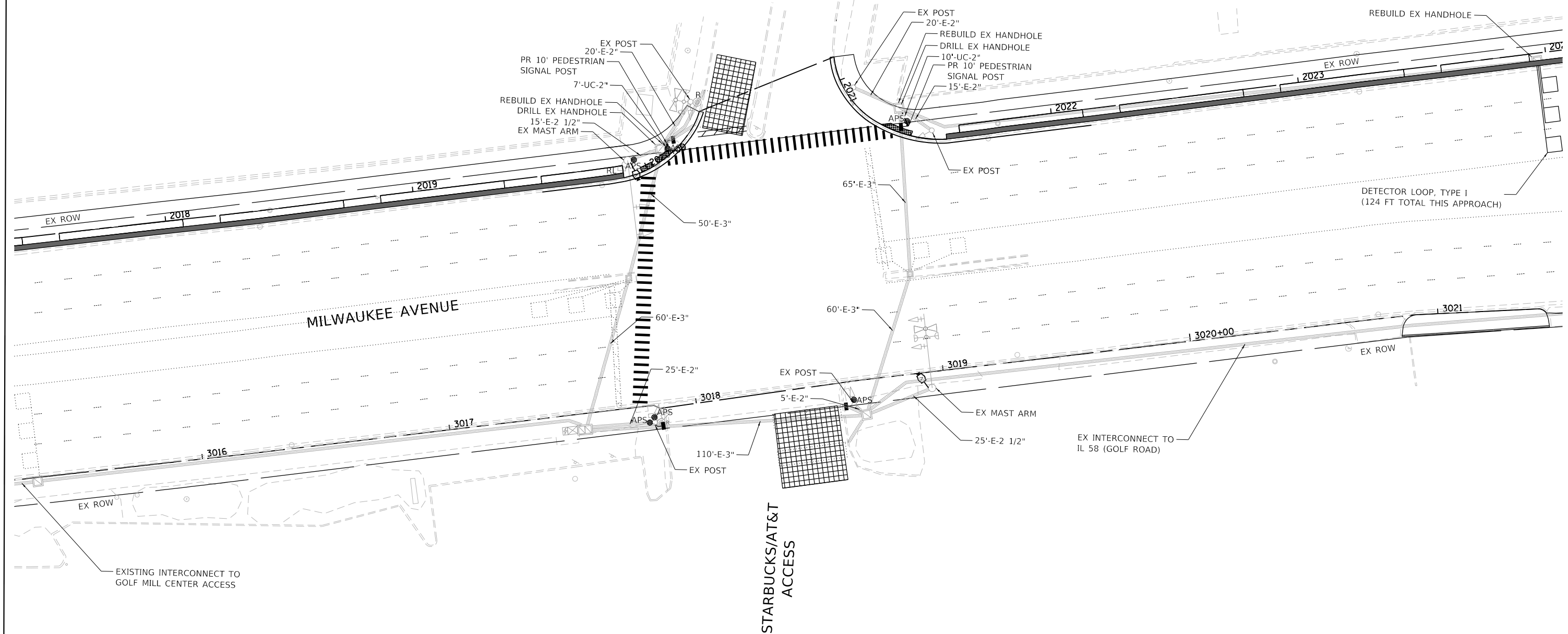
REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 2 EACH PEDESTRIAN PUSH-BUTTON

GOLF MILL
NORTH ACCESS/
KOHL'S

STARBUCKS/AT&T
ACCESS



TS 2065
ECON 11

HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-sht-1s-Mil-03.dgn
 PLOT DRIVER: IL_bdf_bw.plt
 PEN TABLE: plot.tbl

HRGreen.com Illinois Professional Design Firm #184-001322	USER NAME = bhartma	DESIGNED - CL	REVISED - XX/XX/XXXX
	PLOT SCALE = 40,2216" / in.	DRAWN - WJH	REVISED - XX/XX/XXXX
	PLOT DATE = 7/23/2024	CHECKED - BDH	REVISED - XX/XX/XXXX
		DATE -	REVISED - XX/XX/XXXX

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
MILWAUKEE AVENUE AND GOLF MILL NORTH ACCESS

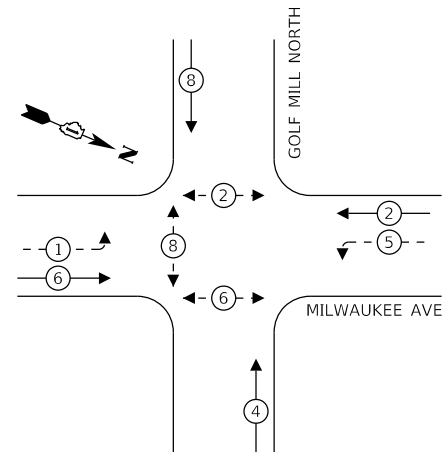
SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	97
			CONTRACT NO. 61174	
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	17
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	886
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	732
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,096
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	464
DRILL EXISTING HANDHOLE	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
INDUCTIVE LOOP DETECTOR	EACH	2
DETECTOR LOOP, TYPE I	FOOT	124
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	299
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	40
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	3
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

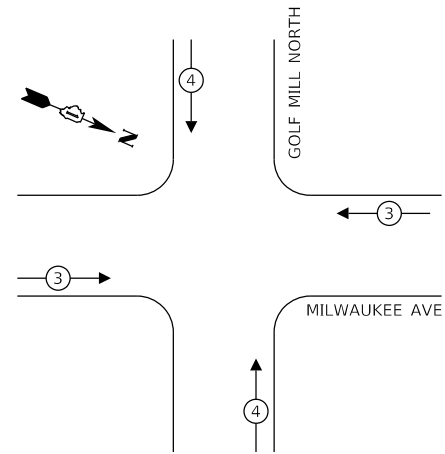
PROPOSED CONTROLLER SEQUENCE



LEGEND:

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

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

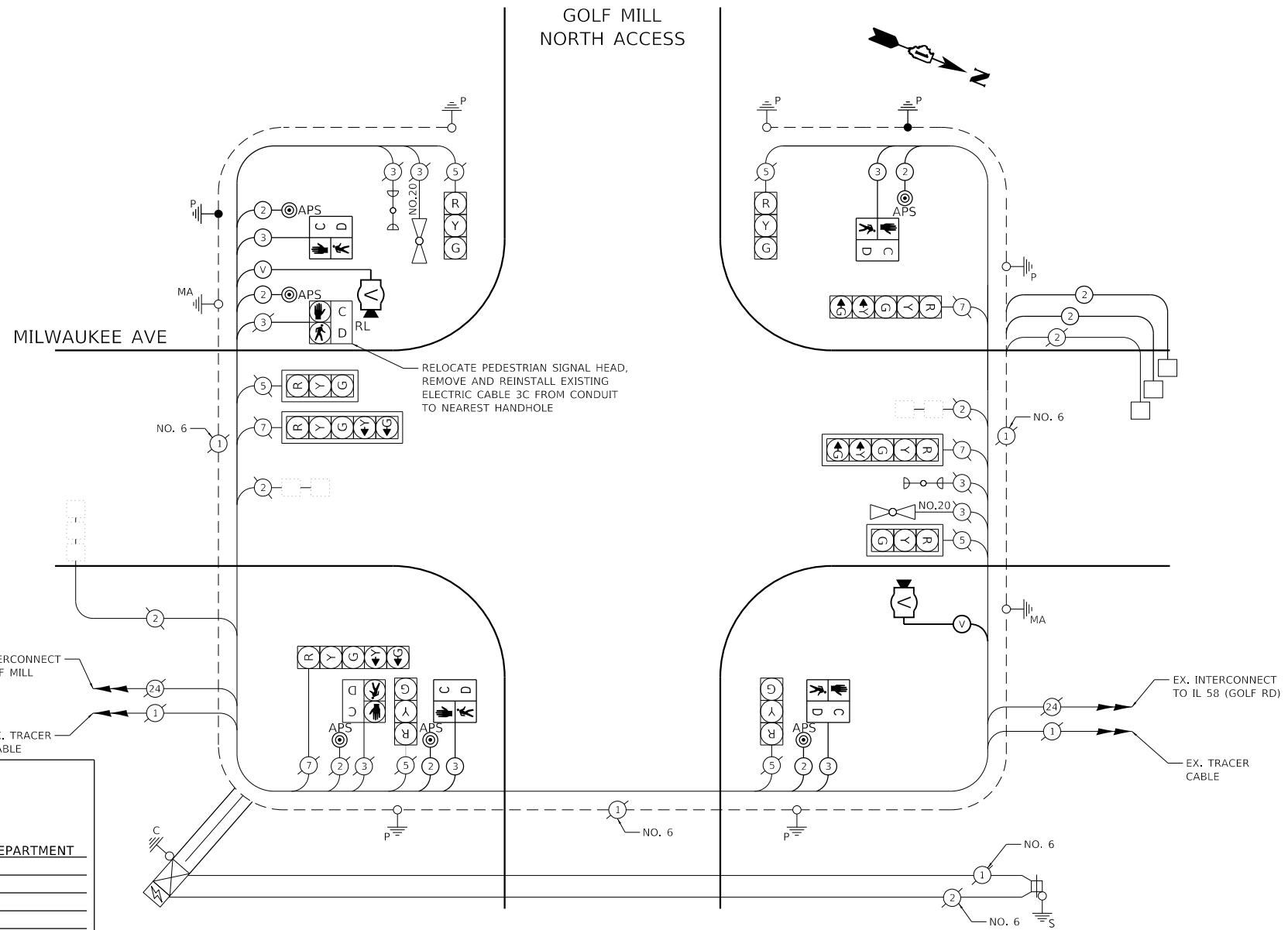


TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	6	11	66
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	2	20	40
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	1	15	15
TOTAL UPS SIZING	443		
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING	1,048		

ENERGY COSTS TO:
 THE VILLAGE OF NILES
 1000 CIVIC CENTER DRIVE
 NILES, IL 60714

ENERGY SUPPLY: CONTACT: NEW BUSINESS DEPARTMENT
 PHONE: (866) 639-3532
 COMPANY: COMED
 ACCOUNT NUMBER: 88296-12000
 METER NUMBER: ---



**TS 2065
 ECON 11**

HRG PROJECT NO.: 200452
 HRG PROJ. CONTACT:
 FILE NAME: 200452-SHT-1-S-MP-04.dwg
 PEN TABLE: 1/10/2024



USER NAME = bhartma
 PLOT SCALE = 40.0000 ' / in.
 PLOT DATE = 7/22/2024

DESIGNED - CL
 DRAWN - W/JH
 CHECKED - BDH
 DATE -

REVISED - XX/XX/XXXX
 REVISED - XX/XX/XXXX
 REVISED - XX/XX/XXXX
 REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES,
 AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
 MILWAUKEE AVENUE AND GOLF MILL NORTH ACCESS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00131-00-SW	COOK	146	98
				CONTRACT NO. 61174
ILLINOIS FED. AID PROJECT				









GENERAL NOTES:

- THIS PROJECT INCLUDES THE INSTALLATION OF A NEW LIGHTING SYSTEM ALONG GOLF ROAD FROM DEE ROAD TO GREENWOOD ROAD. THE PROPOSED LIGHTING SHALL BE OWNED AND MAINTAINED BY THE VILLAGE OF NILES.
- THE QUANTITIES OF RACEWAYS WHEREVER INDICATED IN THESE PLANS ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLETE COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.
- MEADE ELECTRIC CO. DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR LOCATES IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES. CALL 773-287-7672.
- THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. TO LOCATE AND MARK/STAKE OTHER UNDERGROUND UTILITIES.
- THE CONTRACTOR SHALL VERIFY LOCATIONS OF UNDERGROUND/OVERHEAD UTILITIES AND TREES PRIOR TO INSTALLATION OF LIGHT POLES AND CONDUITS. IF THERE IS A CONFLICT WITH THE LIGHT POLES/CONDUITS AS SHOWN ON PLANS, THE CONTRACTOR SHALL SUGGEST ALTERNATIVE LOCATIONS AND COORDINATE WITH THE ENGINEER PRIOR TO PERFORMING WORK.
- TRENCHES FOR LIGHTING RACEWAYS SHALL HAVE A MINIMUM DEPTH OF 30".
- LIGHTING SYSTEM INSTALLATION SHALL CONFORM TO THE LATEST IDOT STANDARDS, NEC AND VILLAGE OF NILES.
- ALL ELECTRICAL EQUIPMENT AND PRODUCTS SHALL BE U/L LISTED AND LABELED.
- GROUND RODS SHALL BE INSTALLED AT EACH LIGHTING UNIT.
- THE CONTRACTOR SHALL TAKE CARE WHEN INSTALLING UNIT DUCT TO AVOID CONFLICTS WITH EXISTING UNDERGROUND UTILITIES AND TREES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE AS DETERMINED BY THE ENGINEER.
- THE CONTRACTOR SHALL COORDINATE WITH ComEd REGARDING THE REMOVAL OF EXISTING MAST ARMS WITH LUMINAIRES ATTACHED TO ComEd POLES.

BILL OF MATERIALS

DESCRIPTION	UNIT	QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	1
ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	100
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	2092
ELECTRIC CABLE IN CONDUIT, 600V XLP-TYPE USE) 3-1/C NO. 3/0	FOOT	100
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	60
LIGHTING CONTROLLER, BASE MOUNTED, 240 VOLT, 200 AMP	EACH	1
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	600
BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	60
WIRELESS LIGHTING CONTROL SYSTEM	L SUM	1
UNIT DUCT, 600V, 6-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1½" DIA. POLYETHYLENE	FOOT	9473
LIGHTING UNIT COMPLETE, SPECIAL	EACH	60

LEGEND

-  EXISTING LIGHTING UNIT TO REMAIN
-  PROPOSED LIGHTING UNIT 35 FT. POLE, 6 FT. MAST ARM, 240V (LINE TO LINE) LED LUMINAIRE OUTPUT DESIGNATION G WITH BREAKAWAY DEVICE, FESTOON OUTLET, BREAKAWAY BANNER SUPPORT ARMS AND PLANT SUPPORT ARM
-  UNIT DUCT, 600V, 6-1C NO. 6, 1/C NO. 8 GROUND (XLP-TYPE USE) 1½" DIA. POLYETHYLENE
-  ComEd ELECTRIC SERVICE
-  PROPOSED LIGHTING CONTROLLER, 240V, 1Ø, 3 WIRE, 200 AMP, BASE MOUNTED
-  UNDERGROUND CONDUIT, GALVANIZED STEEL
-  GROUND ROD 5/8" DIA. X 10 FT.
-  ELECTRIC CABLE IN CONDUIT 3-1/C NO. 3/0 (XLP-TYPE USE)

HRG PROJECT NO.: #PROJECT008
 HRG PROJ. CONTACT: #HRGPM8
 FILE NAME: 20240527-SP-11-lighting-golf-el-01.dgn
 PEN TABLE: #PEN_TABLE\$


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

USER NAME = srahman	DESIGNED - MH	REVISED -
	DRAWN - MD / SR	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - BL	REVISED -
PLOT DATE = 6/5/2024	DATE - 04-11-2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, LEGEND AND BILL OF MATERIALS
GOLF ROAD – VILLAGE OF MILES

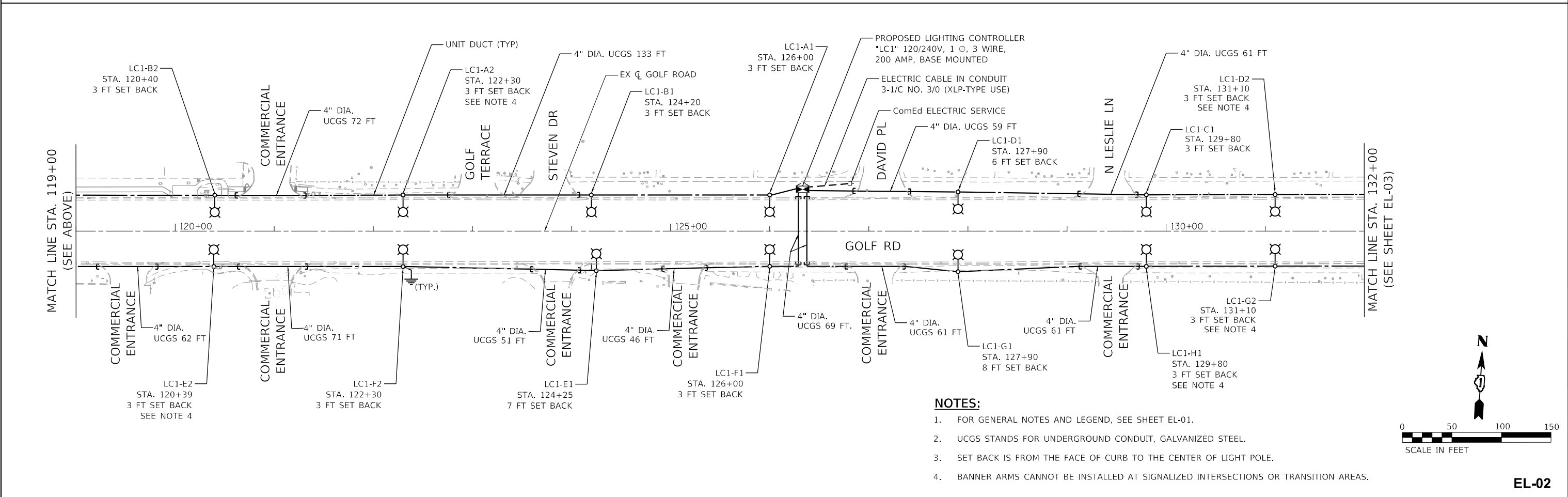
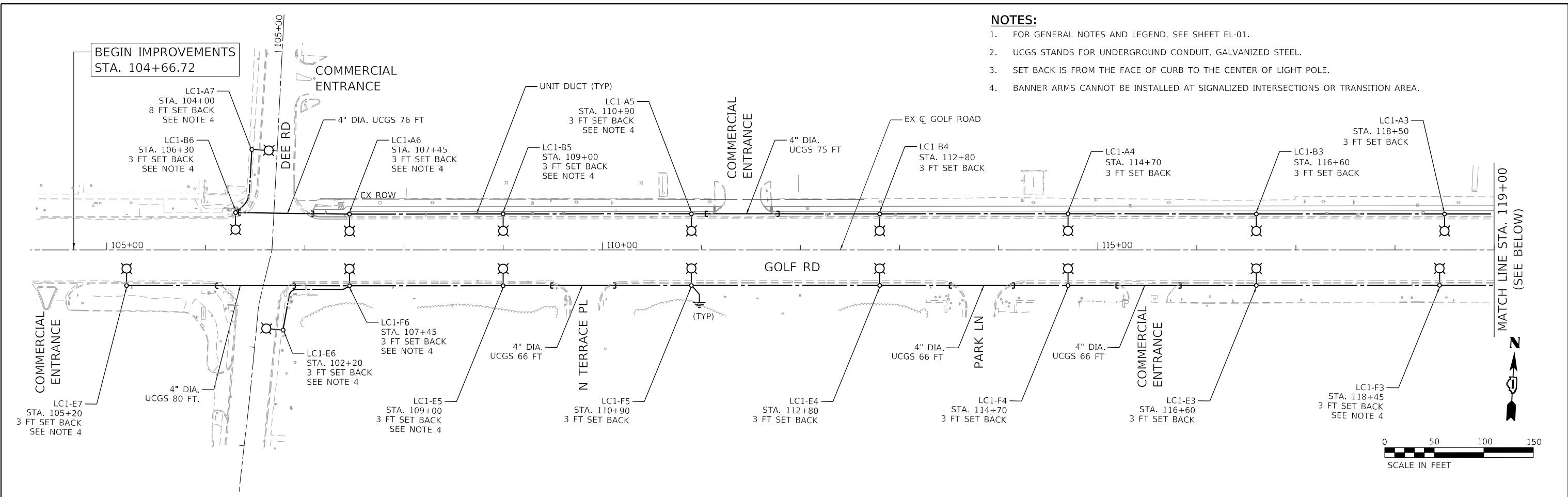
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00130-00-L5	COOK	146	99
			CONTRACT NO. 61174	
		ILLINOIS	FED. AID PROJECT	

EL-01

NOTES:

1. FOR GENERAL NOTES AND LEGEND, SEE SHEET EL-01.
2. UCGS STANDS FOR UNDERGROUND CONDUIT, GALVANIZED STEEL.
3. SET BACK IS FROM THE FACE OF CURB TO THE CENTER OF LIGHT POLE.
4. BANNER ARMS CANNOT BE INSTALLED AT SIGNALIZED INTERSECTIONS OR TRANSITION AREA.



NOTES:

1. FOR GENERAL NOTES AND LEGEND, SEE SHEET EL-01.
2. UCGS STANDS FOR UNDERGROUND CONDUIT, GALVANIZED STEEL.
3. SET BACK IS FROM THE FACE OF CURB TO THE CENTER OF LIGHT POLE.
4. BANNER ARMS CANNOT BE INSTALLED AT SIGNALIZED INTERSECTIONS OR TRANSITION AREAS.

HRG PROJECT NO.: #PROJECT008
 HRG PROJ. CONTACT: #HRG008
 FILE NAME: 20240527-SP17-Right-Golf-EL-02.dgn
 PEN TABLE: #PENX.TABLE\$

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

USER NAME = mdsitche	DESIGNED - MH	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - MD / SR	REVISED -
PLOT DATE = 4/12/2024	CHECKED - BL	REVISED -
	DATE - 04-11-2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY LIGHTING PLANS
 GOLF ROAD - VILLAGE OF NILES**

SCALE: 1"=50' SHEET 1 OF 4 SHEETS STA. 104+66.72 TO STA. 132+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	18-00131-00-SW	COOK	146	100
CONTRACT NO. 61J74				
ILLINOIS FED. AID PROJECT				