

FOR INDEX OF SHEETS, SEE SHEET NO. 2 06/17/2022 LETTING ITEM 182
 FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

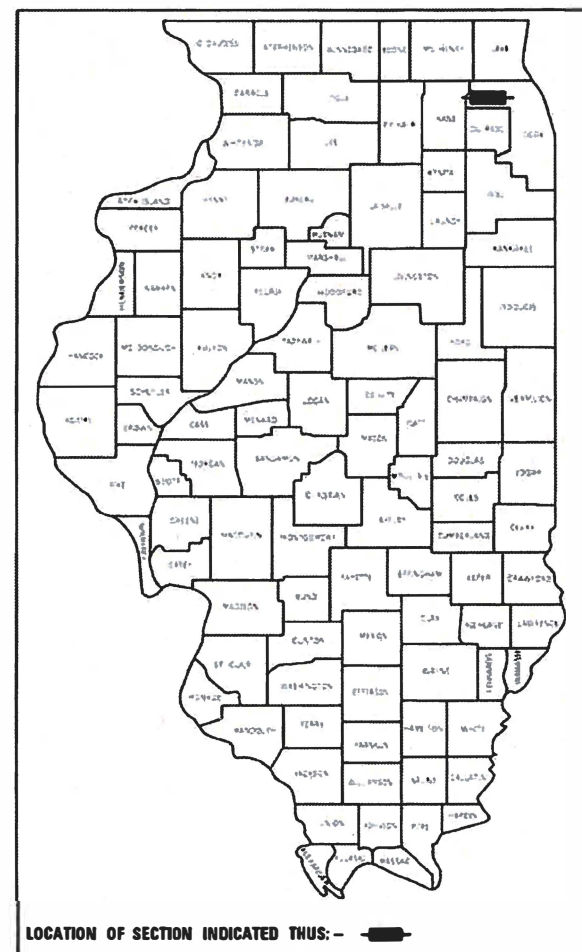
FAU SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2562	21-00137-00-RS	COOK	72	J
		CONTRACT NO. 61H72		

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

TRAFFIC DATA:
 BODE ROAD

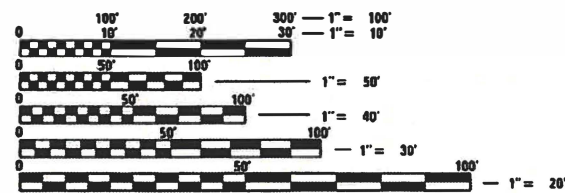
ADT = 6,300 - 7,500 (2018)
 POSTED SPEED LIMIT = 35 MPH
 FUNCTIONAL CLASSIFICATION = MAJOR COLLECTOR

FAU 1317 /FAU 2562 (BODE ROAD)
 BARRINGTON ROAD TO SPRINGINGGUTH ROAD
 SECTION 21-00137-00-RS
 PROJECT NO. GDEP(103)
 VILLAGE OF HOFFMAN ESTATES /
 VILLAGE OF SCHAUMBURG
 COOK COUNTY
 JOB NO. C-91-163-21



BEGIN IMPROVEMENT
 STA 102 + 21.40

RANGE 10 EAST, SECTIONS 17 & 18



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.

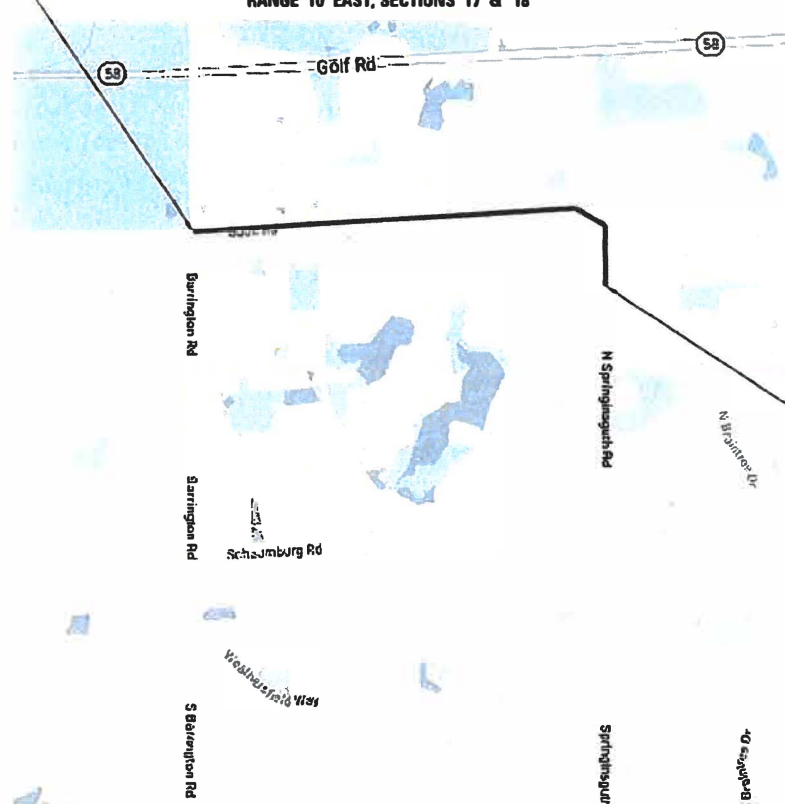
J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
 1-800-892-0123
 OR 811

VILLAGE OF
 HOFFMAN ESTATES

VILLAGE OF
 SCHAUMBURG

VILLAGE OF
 STREAMWOOD

END IMPROVEMENT
 STA 181 + 79.30



LOCATION MAP
 SCALE = 1 IN : 3000 FT

NET LENGTH (HOFFMAN ESTATES) = 1481.65 FT. = 0.28 MILE
 NET LENGTH (SCHAUMBURG) = 6476.25 FT. = 1.23 MILE
 GROSS LENGTH = 7957.90 FT. = 1.51 MILE

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

APPROVED April 14 20 22
 [Signature] VILLAGE OF HOFFMAN ESTATES

APPROVED April 18 20 22
 [Signature] VILLAGE OF SCHAUMBURG

PASSED April 18 20 22
 [Signature] DISTRICT 1 ENGINEER OF LOCAL ROADS

RELEASING FOR BID
 BASED ON LIMITED
 REVIEW April 18 20 22
 [Signature] DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

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

PROJECT ENGINEER: NICHOLAS M. PIEKARSKI, P.E.
 PROJECT MANAGER: RANDAL G. NEWKIRK, P.E.

CONTRACT NO. 61H72

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HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
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
424026-03	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
482011-03	HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
604001-05	FRAME AND LIDS, TYPE 1
604051-04	FRAME AND GRATE, TYPE 11
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
TC-10	DISTRICT 1 - TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-11	DISTRICT 1 - TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PIOW RESISTANT)
TC-13	DISTRICT 1 - TYPICAL PAVEMENT MARKINGS
TC-16	DISTRICT 1 - SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-22	DISTRICT 1 - ARTERIAL ROAD INFORMATION SIGN
TC-26	DISTRICT 1 - DRIVEWAY ENTRANCE SIGNING

GENERAL NOTES

SPECIFICATIONS, STANDARDS, AND SPECIAL PROVISIONS

- ALL WORK SHALL BE IN ACCORDANCE WITH THE IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," ADOPTED JANUARY 1, 2022, (HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS); THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS," ADOPTED JANUARY 1, 2022; THE LATEST EDITION OF THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS"; THE DETAILS IN THE PLANS; AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
 - ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE MORE STRINGENT OF THE LATEST STANDARD OF THE VILLAGE OF SCHAUMBURG, OR THE LATEST STANDARD OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
 - ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH ARTICLE 107.14 OF THE STANDARD SPECIFICATIONS.
 - THE CONTRACTOR SHALL AT ALL TIMES PROVIDE PROTECTION FOR TRAFFIC AS CALLED FOR IN THE APPLICATION OF TRAFFIC CONTROL DEVICES, THE STANDARD SPECIFICATIONS AND THE PLANS.
 - ALL WORK SHALL BE INCLUDED WITHIN THE PROPOSED RIGHT OF WAY (ROW) LIMITS OF THE PROJECT, AS SHOWN. NO EQUIPMENT, MATERIAL, YARD OR FIELD OFFICE SHALL BE SETUP OR STORED ON PRIVATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE ENGINEER AND THE PROPERTY OWNER.
- ### SEWER AND WATER MAINS
- INLET FILTERS SHALL BE USED ON ALL EXISTING DRAINAGE STRUCTURES, OR AS REQUIRED BY THE ENGINEER.
 - VACUUM POTHOLE EXCAVATION WILL BE REQUIRED FOR ALL DIRECTIONAL BORE PIPE CROSSINGS IN ORDER TO WITNESS AND DOCUMENT DEPTH AND SEPARATION OF UTILITIES. NSMJAWA MUST BE CONTRACTED 48 HOURS PRIOR TO WORK ADJACENT TO THE 20' HIGH PRESSURE WATERMAIN (773) 686-0077. NO VIBRATORY COMPACTION MAY BE UTILIZED WITHIN 20' OF THE NSMJAWA WATER MAIN. EQUIPMENT HEAVIER THAN 17,500 POUNDS MUST BE PRE-APPROVED FOR USE OVER THE WATER MAIN. A WORK PLAN MUST BE SUBMITTED TO NSMJAWA FOR APPROVAL IF WORK IS TO TAKE PLACE OVER THE WATER MAIN.

SEDIMENTATION & EROSION CONTROL NOTES

- EROSION CONTROL AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE SWPPP FOR THE PROJECT AND THE FOLLOWING COMMENTS
- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL-STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS, AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
- SOIL-EROSION AND SEDIMENT-CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF LAND AND EARTH DISTURBANCE OF UPLAND AREAS.
- DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY.
- AREAS OR EMBANKMENTS HAVING SLOPES GREATER THAN 3H:1V SHALL BE STABILIZED WITH SOD, MAT, OR BLANKET IN COMBINATION WITH SEEDING.
- ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT-CONTROL MEASURE AS FOUND IN THE SWPPP.
- ALL TEMPORARY EROSION AND SEDIMENT-CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
- ALL TEMPORARY AND PERMANENT EROSION-CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED BY THE CONTRACTOR AS NEEDED WITHIN 24 HOURS OF DISCOVERY. MAINTENANCE NOT PERFORMED IN A TIMELY FASHION MAY RESULT IN AN INCIDENCE OF NON-COMPLIANCE. ALL OF THIS WORK WILL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT COSTS OF THE VARIOUS EROSION CONTROL PAY ITEMS.
- A STABILIZED MAT OF AGGREGATE UNDERLAIN WITH FILTER CLOTH (OR OTHER APPROPRIATE MEASURE) SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET, ALLEY, OR PARKING AREA. ANY SEDIMENT OR SOIL REACHING AN IMPROVED RIGHT-OF-WAY, STREET, ALLEY, OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT-DISPOSAL AREA. ALL OF THIS WORK WILL BE IN COMPLIANCE WITH THE DETAILS AND PROVISIONS SPECIFIED FOR STABILIZED CONSTRUCTION ENTRANCE.
- SOIL STOCKPILES SHALL NOT BE LOCATED IN A FLOOD-PRONE AREA OR A DESIGNATED BUFFER PROTECTING WATERS OF THE UNITED STATES.
- IF DE-WATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT-CONTROL MEASURE (e.g. SEDIMENT TRAP, SEDIMENT BASIN, FILTER BAG OR OTHER APPROVED MEASURE).
- THE EROSION-CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.
- EARTH EXCAVATION SHALL CONSIST OF THE EXCAVATION AND TRANSPORTATION OF ALL EARTH AS SHOWN ON THE CROSS SECTIONS THROUGHOUT THE LIMITS OF THE CONTRACT. ANY OF THE EXCAVATED MATERIALS THAT ARE UNSUITABLE FOR EMBANKMENT UNDER THE PAVEMENT SHALL BE USED AT OTHER LOCATIONS PROVIDED BY THE CONTRACTOR.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY, PRIOR TO ACCEPTANCE OF THE IMPROVEMENT. ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. 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 EXISTING DRAINAGE FACILITIES.

UTILITIES

- THE CONTRACTOR SHALL COOPERATE WITH THE VILLAGE OF SCHAUMBURG AND STATE IF ANY UTILITY IMPROVEMENTS ARE REQUIRED BY THE CITY OR STATE WITHIN THE DURATION OF THE CONTRACT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES, LISTED BELOW, PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN 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 MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.
- BEFORE STARTING ANY EXCAVATIONS, THE CONTRACTOR SHALL CALL J.U.L.I.E. AT (800)-892-0123 OR AT 811. THE PUBLIC & PRIVATE UTILITY CONTACTS OPERATING WITHIN THE PROJECT LIMITS ARE AS FOLLOWS:

STAKING

- THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS, AND REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT, OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS. ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. CURB AND GUTTER LOCATIONS SHOWN AT POINTS OF CURVE, ETC., ARE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
- STRUCTURE OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS ARE TO BE THE FOLLOWING POINTS: A) FOR STRUCTURES FALLING IN THE CURB LINE TO THE EDGE OF PAVEMENT; B) FOR ALL OTHER STRUCTURES TO THE CENTER OF THE STRUCTURE.
- ALL ELEVATIONS ARE ON A LOCAL DATUM
- ALL OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS FOR STRUCTURES, EDGE OF PAVEMENT, ETC. ARE FROM THE CENTERLINE OR BASELINE AS SHOWN ON THE PLANS.

MISCELLANEOUS

- THE CONTRACTOR SHALL MAINTAIN EXISTING SIDE STREET ACCESS, EXISTING DRIVEWAY ACCESS, AND PEDESTRIAN ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT UNLESS A DETOUR PLAN IS PROVIDED IN THE PLANS. THIS ITEM SHALL BE INCLUDED IN THE ITEM "TEMPORARY ACCESS (PRIVATE ENTRANCE), TEMPORARY ACCESS (ROAD) AND TEMPORARY ACCESS (WINTERIZED)."
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS CONTRACT.
- WHERE NEW WORK MEETS EXISTING FEATURES TO REMAIN, FIELD CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH CONSTRUCTION. NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION. THE CONTRACTOR IS PROHIBITED FROM BURNING ANY MATERIAL WITHIN OR ADJACENT TO THE IMPROVEMENT.
- THE CONTRACTOR SHALL NOT DAMAGE EXISTING PLANT MATERIAL INCLUDING TREES, SHRUBS, AND GROUND COVER, OUTSIDE THE LIMITS OF CONSTRUCTION.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THEIR WORK. ANY WORK THAT IS VANDALIZED OR OTHERWISE DAMAGED AND JUDGED UNACCEPTABLE BY THE ENGINEER SHALL BE REMOVED AND REPLACED.
- 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.
- CONTRACTOR IS TO ADHERE TO SAFETY ENGINEERING POLICY MEMORANDUM 4-21. LANE CLOSURES WILL BE REQUIRED TO COMPLETE THE PROPOSED MILLING DEPTH AND THE CONTRACTOR IS TO PROVIDE CHANNELIZING DEVICES AT THE SAME LEVEL AS THE OPEN LANE OR IN THE DROP-OFF TO PRESERVE THE WIDTH OF THE OPEN LANE. AS DIRECTED BY THE ENGINEER. WHEN PLACED IN THE DROP-OFF, THE REFLECTIVE AREA OF THE CHANNELIZING DEVICES SHALL BE RAISED TO THE ELEVATION ABOVE THE OPEN LANE AS REQUIRED BY HIGHWAY STANDARD 701901.

SUPPLEMENTAL STRUCTURE & PIPE LEGEND

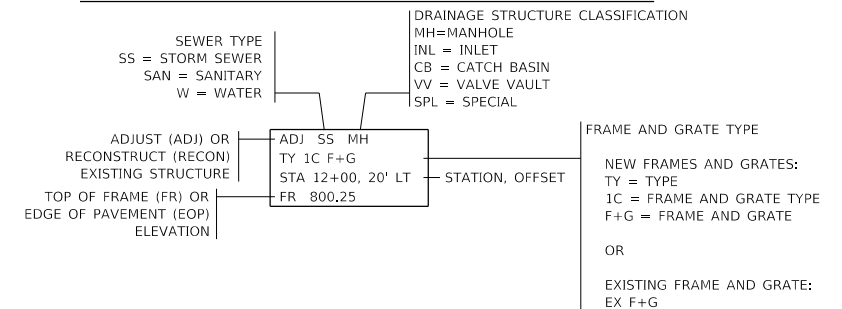
NOTES:

THE STATION/OFFSET/ELEVATIONS NOTED FOR ALL DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION OF THE ADJACENT PROPOSED EDGE OF PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE OFFSET NECESSARY FOR EACH STRUCTURE TO SET THE FRAME AND GRATE IN THE PROPER LOCATION. ALL OTHER STRUCTURES ARE DIMENSIONED TO THE CENTER OF THE STRUCTURE.

FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION AND CROSS SLOPE OF THE AREA IN WHICH THEY ARE LOCATED.

FRAME ADJUSTMENTS LOCATED IN THE PAVEMENT MAY NOT INCLUDE STATION AND OFFSET OR ELEVATION INFORMATION. FRAMES ON ALL STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION AND CROSS SLOPE OF THE AREA IN WHICH THEY ARE LOCATED.

STRUCTURE ADJUSTMENTS/RECONSTRUCTION NOTATION



SUPPLEMENTAL LEGEND

- PROPOSED PCC SIDEWALK
- CLASS D PATCH, 5"
- DETECTABLE WARNINGS
- (XXX.XX) APPROXIMATE EXISTING SLOPE + ELEVATION TO MATCH
- INTENDED FLOW DIRECTION

NOTE: ALL OTHER SYMBOLS AND LINE TYPES USED IN THESE PLANS CONFORM TO IDOT STANDARD SYMBOLS AND LINE TYPES PRESENTED IN IDOT HIGHWAY STANDARD 000001

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HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM I.S./P.E./S.E. COMP. 184-000959	USER NAME = emelchers	DESIGNED -	REVISED - 3/23/2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BODE ROAD GENERAL NOTES	F.A.U. RTE. = 1317/2582	SECTION = 21-00137-00-R5	COUNTY = COOK	TOTAL SHEETS = 72	SHEET NO. = 2
	PLOT SCALE = 2,000' / 1" = 4/1/2022	DRAWN - SMS	CHECKED -			REVISED -	SCALE: N.T.S.	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				HOFFMAN ESTATES	SCHAUMBURG
				75% FED 25% LOCAL ROADWAY 0005 URBAN	75% FED 25% LOCAL ROADWAY 0005 URBAN
20101400	NITROGEN FERTILIZER NUTRIENT	POUND	8	2	6
20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	8	2	6
20200100	EARTH EXCAVATION	CU YD	37		37
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1285	59	1226
25200110	SODDING, SALT TOLERANT	SQ YD	1285	59	1226
25200200	SUPPLEMENTAL WATERING	UNIT	20	1	19
28000510	INLET FILTERS	EACH	127	28	99
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	609	114	495
31101200	SUBBASE GRANULAR MATERIAL, TYPE B, 4"	SQ YD	1181	139	1042
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	32975	6271	26704
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	7	2	5
40600982	HOT-MX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	303	114	189
40603090	HOT-MX ASPHALT BINDER COURSE, IL-19.0, N50	TON	6156	1171	4985
40604060	HOT-MX ASPHALT SURFACE COURSE, IL-9.5, MX "D", N50	TON	4103	780	3323
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	5878	937	4941
42400800	DETECTABLE WARNINGS	SQ FT	488	93	375
44000169	HOT-MX ASPHALT SURFACE REMOVAL, 5"	SQ YD	37964	6988	30996
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	592	100	492
44201701	CLASS D PATCHES, TYPE I, 5 INCH	SQ YD	446	94	352
44201705	CLASS D PATCHES, TYPE II, 5 INCH	SQ YD	784	140	644
44201709	CLASS D PATCHES, TYPE III, 5 INCH	SQ YD	1101	210	891
44201711	CLASS D PATCHES, TYPE IV, 5 INCH	SQ YD	1466	279	1187

△ SPECIALTY ITEMS
* SPECIAL PROVISION

 HAMPTON, LENZINI AND RENWICK, INC. 282 BIRCHWOOD DRIVE ELGIN, ILLINOIS 60120 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184000558	USER NAME = emelchere	DESIGNED -	REVISED - 3/23/2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BODE ROAD SUMMARY OF QUANTITIES		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 2.0000' / 1" =	DRAWN - SMS	REVISED - 04/26/2022		1317	21-00137-00-RS	COOK	72	3		
	PLOT DATE = 4/26/2022	CHECKED -	REVISED -		2562	CONTRACT NO. 61H72					
		DATE -	REVISED -		SCALE: N.T.S.		SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		

MODEL: Definit
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	HOFFMAN ESTATES	SCHAUMBURG
				CONSTRUCTION CODE	
				75% FED 25% LOCAL ROADWAY 0055 URBAN	75% FED 25% LOCAL ROADWAY 0055 URBAN
60250200	CATCH BASINS TO BE ADJUSTED	EACH	2		2
60255500	MANHOLES TO BE ADJUSTED	EACH	1		1
60250100	INLETS TO BE ADJUSTED	EACH	2		2
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	592	100.0	492.0
60607400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.24	FOOT	937		937.0
63200310	GUARDRAIL REMOVAL	FOOT	654		654.0
△ 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	100	20.0	80.0
△ 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	0.2	0.8
△ 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	0.2	0.8
△ 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	0	1
△ 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	1	0	1
67100100	MOBILIZATION	L SUM	1	0.2	0.8
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	0.2	0.8
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	0.2	0.8
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	0.2	0.8
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	0.2	0.8
70300100	SHORT TERM PAVEMENT MARKING	FOOT	8853	1650.0	7203.0
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	4427	825	3602
△ 72000100	SIGN PANEL - TYPE 1	SQ FT	52		52.0
△ 72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	52		52.0
△ 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1059	362.0	697.0

△ SPECIALTY ITEMS
* SPECIAL PROVISION

MODEL: Dm1A
FILE NAME: P:\2021\03\22\6172\BODE.DWG
S:\2021\03\22\6172\BODE.DWG

 HAMPTON, LENZINI AND RENWICK, INC. 1300 S. WASHINGTON ST. DEPT. OF TRANSPORTATION CHICAGO, IL 60606	USER NAME = smwchwa	DESIGNED -	REVISED - 3/23/2022
	PLOT SCALE = 2.0000" = 1'-0"	DRAWN - SMS	REVISED - 04/26/2022
	PLOT DATE = 4/16/2022	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BODE ROAD
SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 1317 2582	SECTION 21-00137-00-RS	CDUNTY COOK	TOTAL SHEETS 72	SHEET NO. 4
CONTRACT NO. 61H72			ILLINOIS FED. AID PROJECT	

CODENO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				HOFFMAN ESTATES	SCHAUMBURG
				75% FED 25% LOCAL ROADWAY	75% FED 25% LOCAL ROADWAY
				0005 URBAN	0005 URBAN
△ 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	20510	3937.0	16573.0
△ 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1621	288	1333
△ 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1842	251	1591
△ 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	414	71	343
△ 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	402	65	337
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	402	65	337
△ 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	10		10
* △ 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1		1
△ 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	120		120
△ 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	127		127
△ 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	22		22
△ 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4		4
* △ 89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1		1
* △ 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1
* X0326806	WASHOUT BASIN	L SUM	1		1
* △ X0326885	VIDEO DETECTION SYSTEM	EACH	1		1
* △ X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1		1
* X2110100	TOPSOIL FURNISH AND PLACE, SPECIAL	CU YD	76		76
* X404700	SIDEWALK REMOVAL (SPECIAL)	SQ FT	5932	937	4995
* X8028050	SANITARY MANHOLES TO BE ADJUSTMENT	EACH	2		2
* X8030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	9	1	8
* △ X8570215	FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1		1
* △ X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1		1.0

△ SPECIALTY ITEMS
* SPECIAL PROVISION

MODEL DRAWING
FILE NAME: P:\13252003\PROJECTS\BODE\BODE.dwg

HAMPTON, LENZINI AND RENWICK, INC.
 CIVIL ENGINEERS
 1317 N. WILSON ST.
 ALHAMBRA PROFESSIONAL OFFICE BLDG. #100
 ALHAMBRA, CA 91801

USER NAME = wms2022	DESIGNED -	REVISED - 3/23/2022
PLOT SCALE = 2.0000"/in.	DRAWN - SMS	REVISED - 04/26/2022
PLOT DATE = 4/26/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BODE ROAD
SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.M. RTE 1917 7562	SECTION 21-00137-00-RS	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H72	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				HOFFMAN ESTATES	SCHAUMBURG
				75% FED 25% LOCAL ROADWAY 0005 URBAN	75% FED 25% LOCAL ROADWAY 0005 URBAN
* Δ X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4		4.0
* Δ X8760012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4		4.0
XX008163	TEMPORARY RAMP, SPECIAL	EACH	7	2.0	5.0
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.2	0.8
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	51.4	25.7	25.7
Δ Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1	1.0	
# Z0076600	TRAINEES	HOUR	500	100.0	400.0
# Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	100.0	400.0

Δ SPECIALTY ITEMS

0042

* SPECIAL PROVISION

MODEL: C:\hmr\p\2100137-00-RS\61H72\Drawn\LOAD_Summary\SummaryCode.dgn

HAMPTON, LENZINI AND RENWICK, INC. 280 SHEPARD DRIVE ELGIN, ILLINOIS 60120	USER NAME	# smelchers	DESIGNED	-	REVISED	-	3/23/2022
	PLOT SCALE	= 2.0000" / 1"	DRAWN	-	REVISION	-	04/28/2022
	PLOT DATE	= 4/20/2022	CHECKED	-	REVISION	-	

DATE	-	REVISED	-
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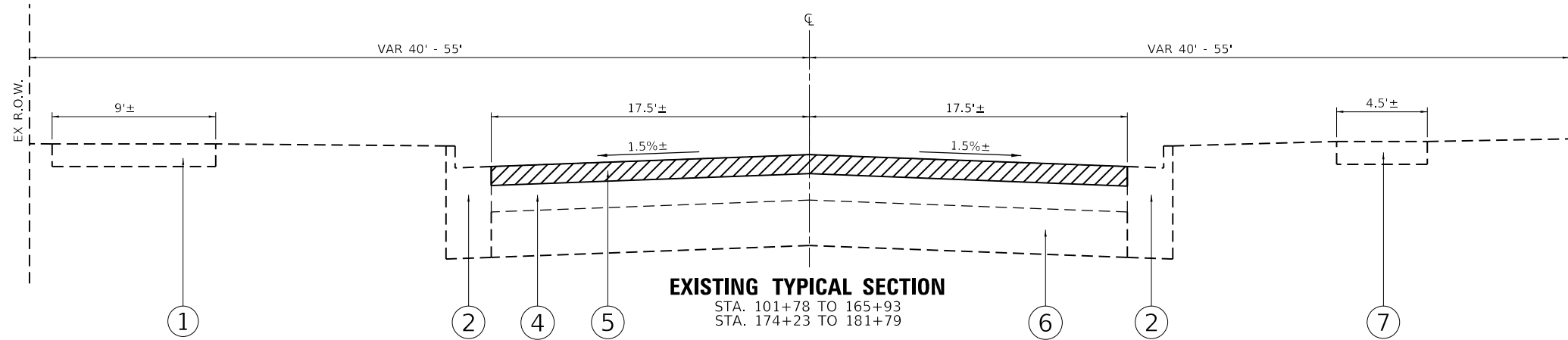
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BODE ROAD
SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

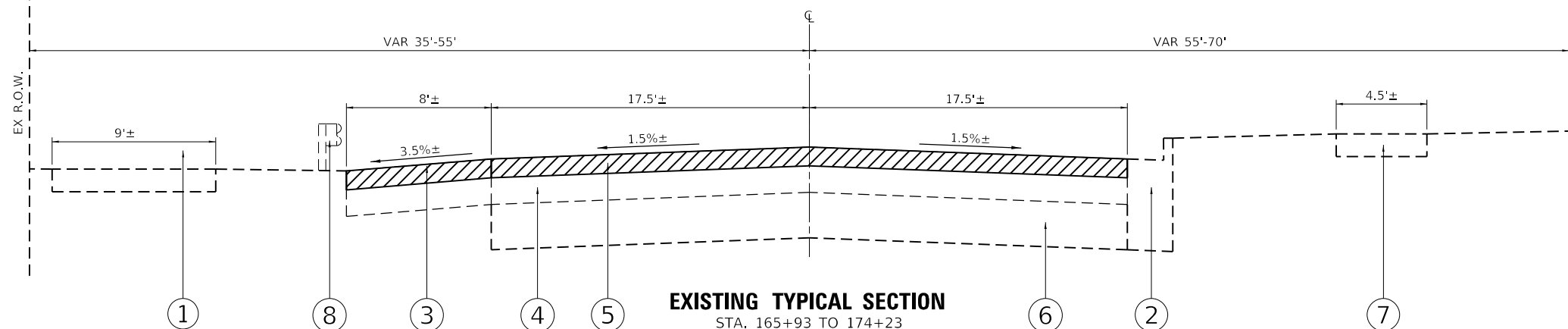
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1317 2562	21-00137-00-RS	COOK	72	6
CONTRACT NO. 61H72				

ILLINOIS FED. AID PROJECT



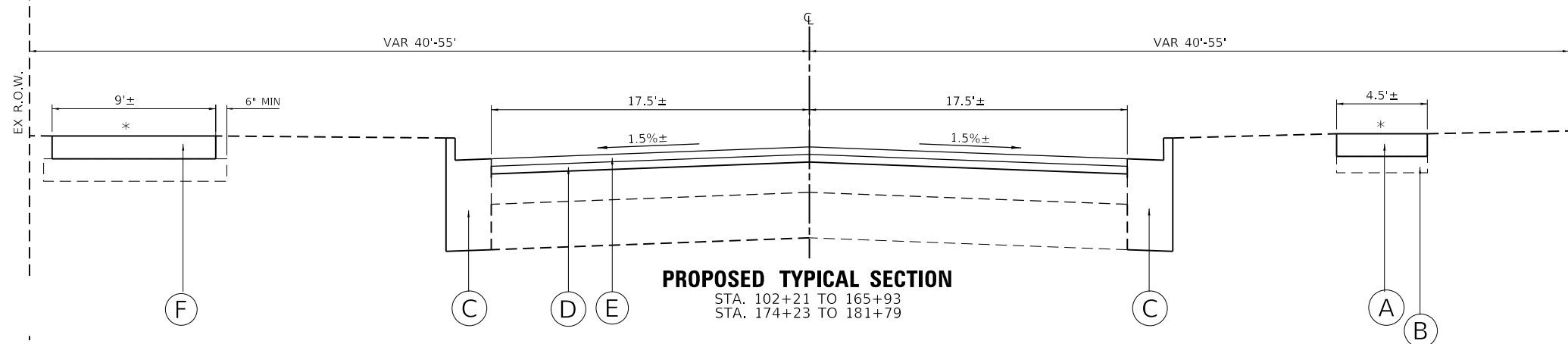
EXISTING TYPICAL SECTION

STA. 101+78 TO 165+93
STA. 174+23 TO 181+79



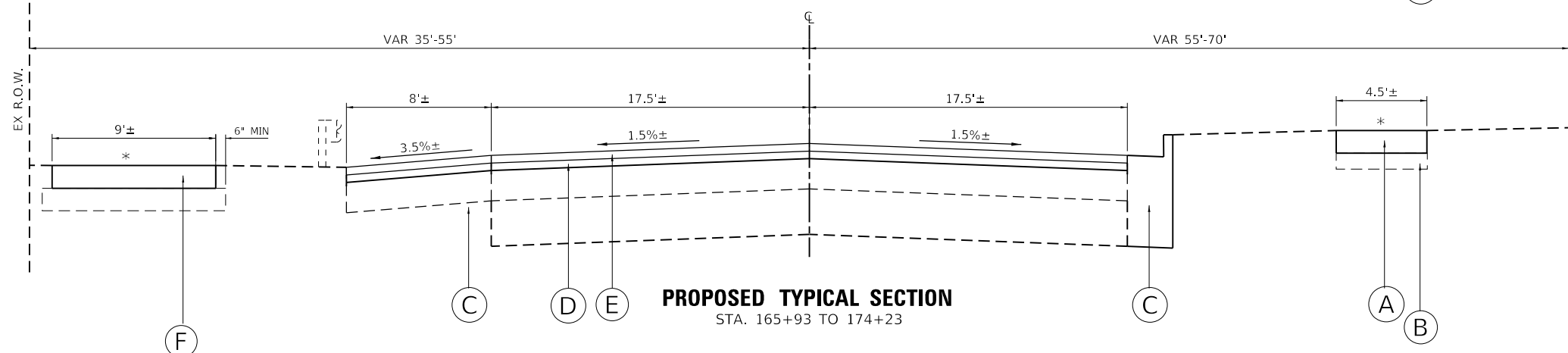
EXISTING TYPICAL SECTION

STA. 165+93 TO 174+23



PROPOSED TYPICAL SECTION

STA. 102+21 TO 165+93
STA. 174+23 TO 181+79



PROPOSED TYPICAL SECTION

STA. 165+93 TO 174+23

EXISTING LEGEND

- ① EXISTING BIKE PATH
- ② EXISTING CONC. CURB & GUTTER TY B-6.24 (TYP)
- ③ EXISTING HMA SHOULDER
- ④ EXISTING ASPHALT PAVEMENT (VAR. 8"-18" DEPTH)
- ⑤ PROPOSED HMA SURFACE REMOVAL, 5"
- ⑥ EXISTING SUBBASE (VAR. 8"-20" DEPTH, COMBINATION OF SUBBASE STONE, ASPHALT GRINDINGS, WEATHERED CONCRETE)
- ⑦ EXISTING SIDEWALK
- ⑧ EXISTING GUARDRAIL

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS	QMP
HMA BINDER COURSE, IL-19.0, N 50 3"	4% @ 50 GYR.	LR 1030-2
HMA SURFACE COURSE, MIX "D", IL-9.5, N 50 2"	4% @ 50 GYR.	LR 1030-2
TEMPORARY RAMP (SPECIAL) (HMA SURFACE COURSE, MIX "D", IL-9.5, N 50 2")	4% @ 50 GYR.	LR 1030-2
CLASS D PATCH (HMA BINDER COURSE, IL-19.0, N 50 3")	4% @ 50 GYR.	LR 1030-2

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

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

PROPOSED LEGEND

- Ⓐ PCC SIDEWALK, 5" (SEE PLANS FOR LOCATIONS)
- Ⓑ AGGREGATE SUBBASE, TYPE B, 4"
- Ⓒ PROPOSED CONC. CURB & GUTTER TY B-6.24 (TYP) REPLACEMENT (SEE PLANS FOR LOCATIONS)
- Ⓓ PROPOSED HMA BINDER COURSE, IL-19.0, N 50 3"
- Ⓔ PROPOSED HMA SURFACE COURSE, MIX "D", IL-9.5, N50 2"
- Ⓕ PROPOSED BIKE PATH BY OTHERS
- * 1.5% DESIREABLE, 2% MAXIMUM

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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
L5 / PE / SE CORP. 184-000959

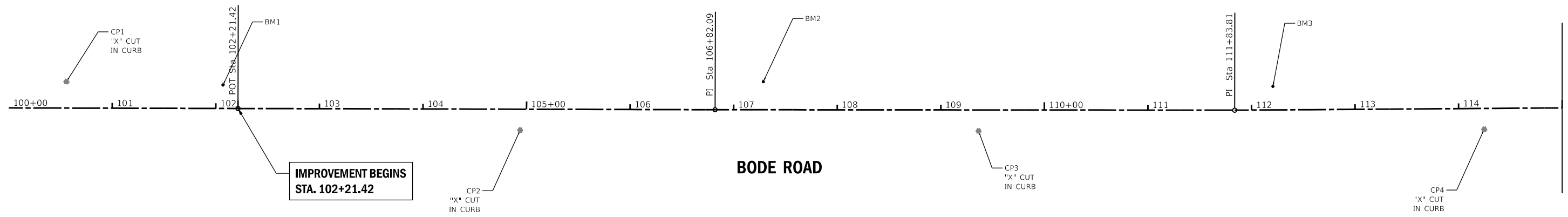
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PLOT SCALE = 2,0000' / in.	DRAWN - SMS	REVISED -
PLOT DATE = 4/1/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BODE ROAD
TYPICAL SECTION**

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

F.A.U. RTE. 1317 2582	SECTION 21-00137-00-R5	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H72	



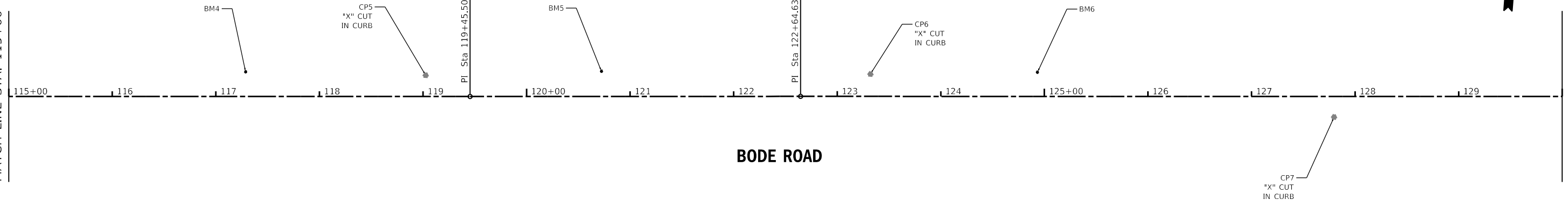
BODE ROAD

TYPE	STATION	NORTHING	EASTING
POT	100+00.00	1956938.74	1035398.09
PI	106+82.09	1956985.32	1036078.59
PI	111+83.81	1957020.41	1036579.08
PI	119+45.50	1957079.69	1037338.46
PI	122+64.63	1957104.64	1037656.61

BENCHMARKS

- BM 1 "□" ON LIGHT BASE NORTHEAST CORNER OF BARRINGTON ROAD AND BODE ROAD.
STA. 102+06.85, 22.55' LT
ELEV. 825.19
- BM 2 "□" ON LIGHT BASE NORTHWEST CORNER OF PACIFIC AVENUE AND BODE ROAD.
STA. 107+28.62, 27.12' LT
ELEV. 827.32
- BM 3 "□" ON LIGHT BASE ACROSS FROM WILLIAMSBURG DRIVE.
STA. 112+18.73, 62.15' RT
ELEV. 818.98

MATCH LINE STA. 115+00



BODE ROAD

BENCHMARKS

- BM 4 "□" ON LIGHT BASE NORTHWEST CORNER OF JOHN ROLFE DRIVE AND BODE ROAD.
STA. 117+28.77, 23.68' LT
ELEV. 826.07
- BM 5 "□" ON 2ND LIGHT BASE WEST OF KNOLLWOOD DRIVE AND BODE ROAD.
STA. 120+72.36, 24.17' LT
ELEV. 827.66
- BM 6 "□" ON 2ND LIGHT BASE EAST OF KNOLLWOOD DRIVE AND BODE ROAD.
STA. 124+93.23, 23.17' RT
ELEV. 834.83

MATCH LINE STA. 130+00

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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
L.S./P.E./S.E. CORP. 184-000959

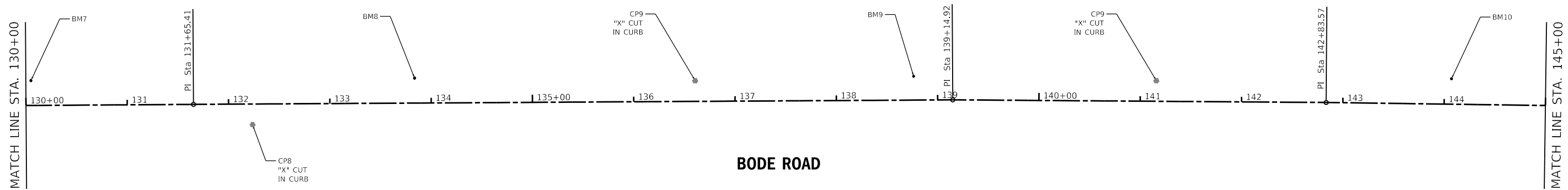
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DRAWN - AC	REVISIONS -	
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PLOT DATE = 4/1/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BODE ROAD
ALIGNMENT, TIES AND BENCHMARKS**

SCALE: 1"=50' SHEET 1 OF 4 SHEETS STA. 100+00 TO STA. 130+00

F.A.U. RTE. 1317 2582	SECTION 21-00137-00-R5	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 8
CONTRACT NO. 61H72				
ILLINOIS FED. AID PROJECT				



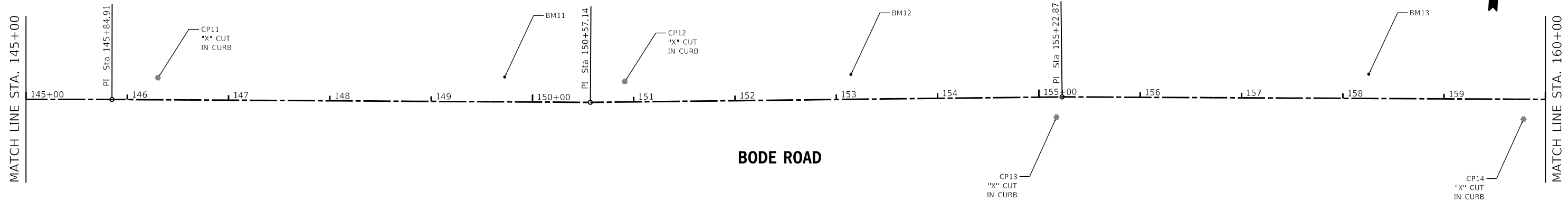
BODE ROAD

BODE ROAD (CONT'D)

PI	131+65.41	1957174.73	1038554.66
PI	139+14.92	1957232.54	1039301.94
PI	142+83.57	1957256.19	1039669.83
PI	145+84.91	1957273.47	1039970.67
PI	150+57.14	1957298.26	1040442.25
PI	155+22.87	1957330.87	1040906.84

BENCHMARKS

- | | | | |
|------|--|-------|---|
| BM 7 | "□" ON LIGHT BASE NORTHWEST CORNER OF MAYWOOD LANE AND BODE ROAD.
STA. 130+05.06, 24.53' LT
ELEV. 836.53 | BM 9 | "□" ON 4TH LIGHT BASE WEST OF WALNUT LANE AND BODE ROAD.
STA. 138+76.40, 23.41' LT
ELEV. 841.18 |
| BM 8 | "□" ON 2ND LIGHT BASE EAST OF MAYWOOD LANE AND BODE ROAD.
STA. 133+83.79, 24.58' LT
ELEV. 836.11 | BM 10 | "□" ON 1ST LIGHT BASE WEST OF WALNUT LANE AND BODE ROAD.
STA. 144+06.90, 25.03' LT
ELEV. 841.82 |



BODE ROAD

BENCHMARKS

- | | | | | | |
|-------|---|-------|---|-------|---|
| BM 11 | "□" ON 3RD LIGHT BASE EAST OF WALNUT LANE AND BODE ROAD.
STA. 149+72.44, 24.33' LT
ELEV. 844.34 | BM 12 | "□" ON 1ST LIGHT BASE WEST OF ASHLEY LANE AND BODE ROAD.
STA. 153+14.64, 24.34' LT
ELEV. 836.65 | BM 13 | "□" ON 3RD LIGHT BASE EAST OF ASHLEY LANE AND BODE ROAD.
STA. 158+25.44, 23.70' LT
ELEV. 822.20 |
|-------|---|-------|---|-------|---|

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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
I.S./P.E./S.E. CORP. 184-000959

USER NAME = emelchers	DESIGNED -	REVISED -
DRAWN - AC	REVISIONS -	
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PLOT DATE = 4/1/2022	DATE -	REVISED -

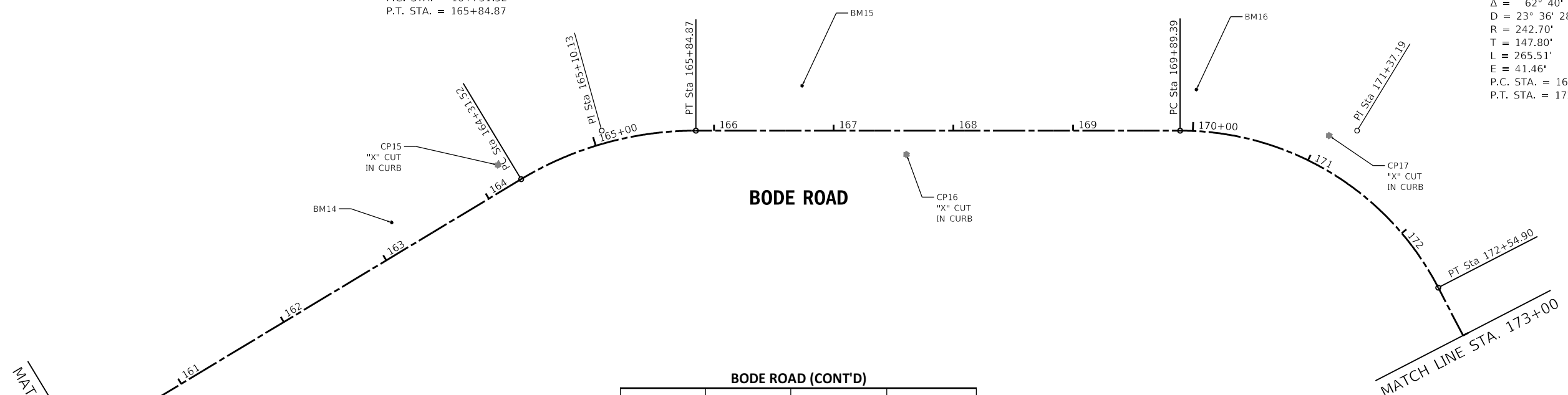
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BODE ROAD ALIGNMENT, TIES AND BENCHMARKS	
SCALE: 1"=50'	SHEET 2 OF 4 SHEETS
STA. 130+00	TO STA. 160+00

F.A.U. RTE. 1317 2582	SECTION 21-00137-00-RS	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 9
CONTRACT NO. 61H72				
ILLINOIS FED. AID PROJECT				

PROP. CURVE BODE_23
 PI STA. = 165+10.13
 $\Delta = 31^\circ 04' 50''$ (RT)
 $D = 20^\circ 16' 02''$
 $R = 282.70'$
 $T = 78.61'$
 $L = 153.35'$
 $E = 10.73'$
 P.C. STA. = 164+31.52
 P.T. STA. = 165+84.87

PROP. CURVE BODE_26
 PI STA. = 171+37.19
 $\Delta = 62^\circ 40' 50''$ (RT)
 $D = 23^\circ 36' 28''$
 $R = 242.70'$
 $T = 147.80'$
 $L = 265.51'$
 $E = 41.46'$
 P.C. STA. = 169+89.39
 P.T. STA. = 172+54.90

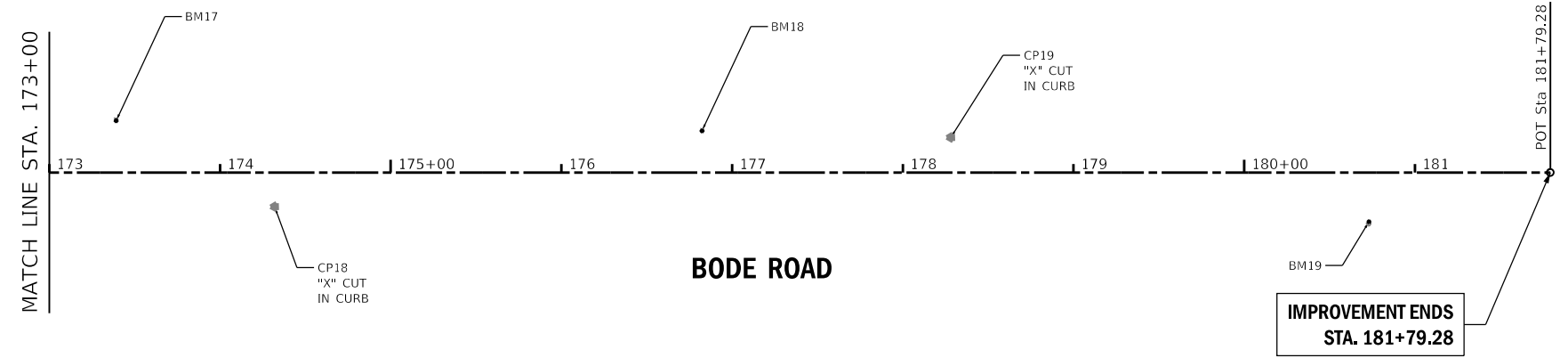


BODE ROAD (CONT'D)

PC	164+31.52	1957379.37	1041814.19
PI	165+10.13	1957383.57	1041892.69
PT	165+84.87	1957346.63	1041962.09
PC	169+89.39	1957156.59	1042319.19
PI	171+37.19	1957087.16	1042449.67
PT	172+54.90	1956939.37	1042447.86
POT	181+79.28	1956015.06	1042436.54

BENCHMARKS

- BM 14 "□" ON 1ST LIGHT BASE EAST OF APPLE DRIVE AND BODE ROAD.
 STA. 163+20.23, 24.68' LT
 ELEV. 813.47
- BM 15 "□" ON 1ST LIGHT BASE EAST OF HARMON BOULEVARD AND BODE ROAD.
 STA. 166+73.60, 37.42' LT
 ELEV. 800.72
- BM 16 "□" ON 3RD LIGHT BASE EAST OF HARMON BOULEVARD AND BODE ROAD.
 STA. 170+01.27, 34.66' LT
 ELEV. 802.42
- BM 17 "□" ON LIGHT BASE NORTHEAST CORNER OF HUNDLEY WAY AND BODE ROAD.
 STA. 173+39.18, 30.28' LT
 ELEV. 806.72
- BM 18 "□" ON 2ND LIGHT BASE SOUTH OF HUNDLEY WAY AND BODE ROAD.
 STA. 176+82.39, 24.32' LT
 ELEV. 809.81
- BM 19 "□" ON MAST ARM BASE WEST OF BODE ROAD AND SPRINGSGUTH ROAD.
 STA. 180+73.05, 28.85' RT
 ELEV. 809.66



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BODE ROAD
 ALIGNMENT, TIES AND BENCHMARKS

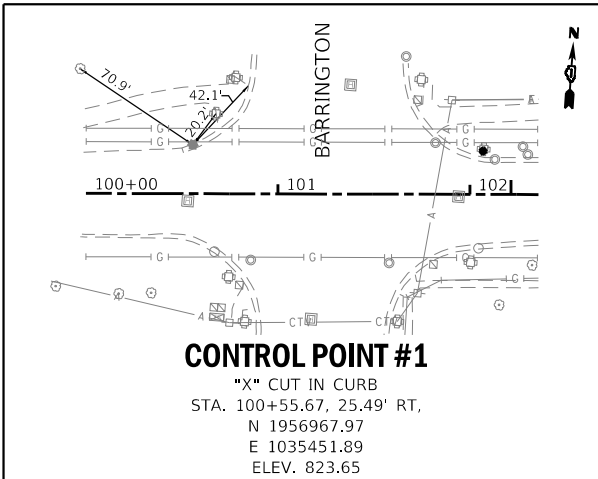
SCALE: 1"=50' SHEET 3 OF 4 SHEETS STA. 160+00 TO STA. 181+79.28

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1317 2582	21-00137-00-R5	COOK	72	10
CONTRACT NO. 61H72				
ILLINOIS FED. AID PROJECT				

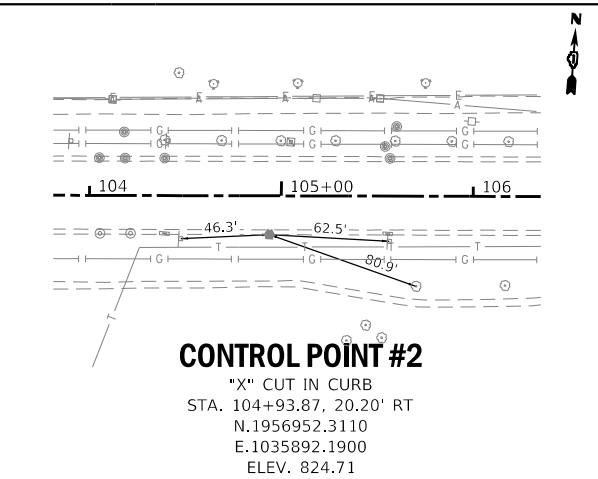
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HAMPTON, LENZINI AND RENWICK, INC.
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 ILLINOIS PROFESSIONAL DESIGN FIRM
 I.S./P.E./S.E. CORP. 184-000959

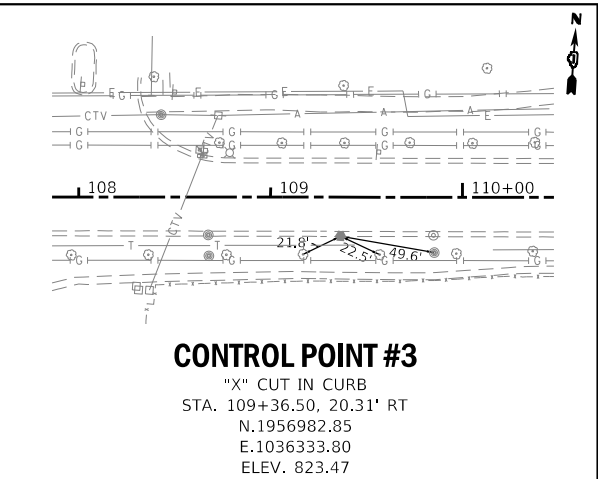
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PLOT DATE = 4/1/2022	CHECKED -	REVISED -
	DATE -	REVISED -



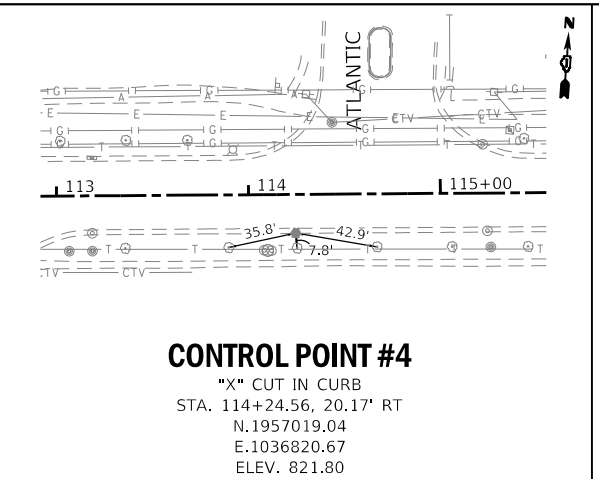
CONTROL POINT #1
 "X" CUT IN CURB
 STA. 100+55.67, 25.49' RT,
 N.1956967.97
 E.1035451.89
 ELEV. 823.65



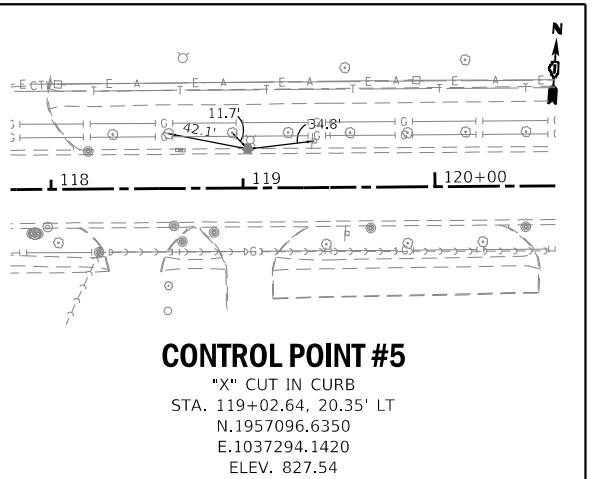
CONTROL POINT #2
 "X" CUT IN CURB
 STA. 104+93.87, 20.20' RT
 N.1956952.3110
 E.1035892.1900
 ELEV. 824.71



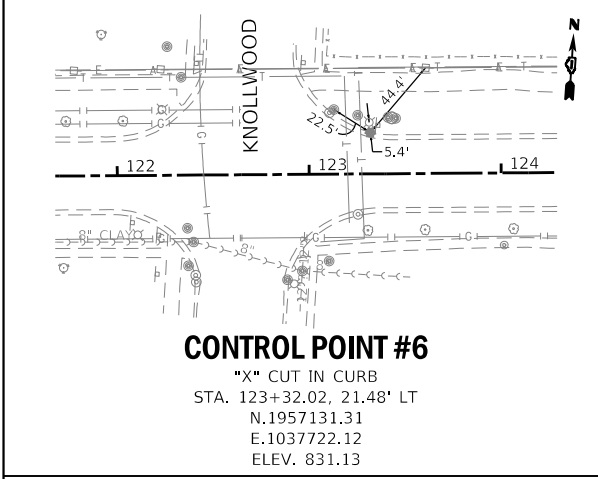
CONTROL POINT #3
 "X" CUT IN CURB
 STA. 109+36.50, 20.31' RT
 N.1956982.85
 E.1036333.80
 ELEV. 823.47



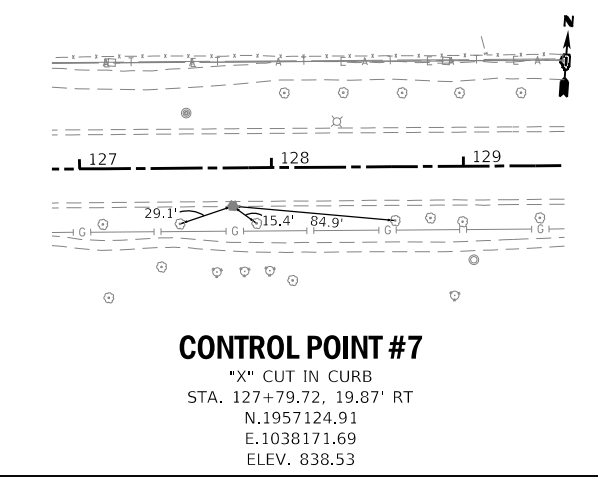
CONTROL POINT #4
 "X" CUT IN CURB
 STA. 114+24.56, 20.17' RT
 N.1957019.04
 E.1036820.67
 ELEV. 821.80



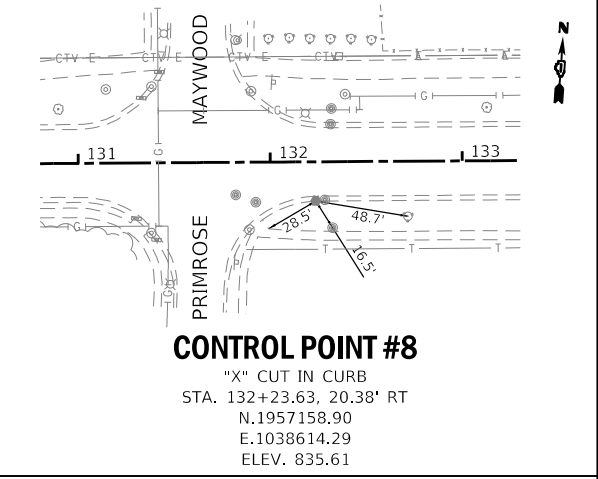
CONTROL POINT #5
 "X" CUT IN CURB
 STA. 119+02.64, 20.35' LT
 N.1957096.6350
 E.1037294.1420
 ELEV. 827.54



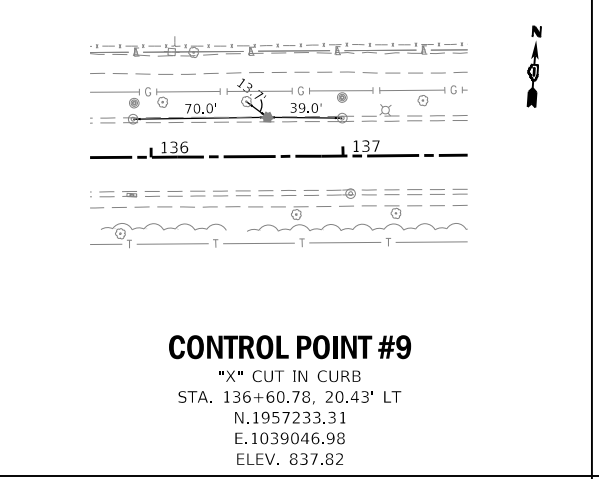
CONTROL POINT #6
 "X" CUT IN CURB
 STA. 123+32.02, 21.48' LT
 N.1957131.31
 E.1037722.12
 ELEV. 831.13



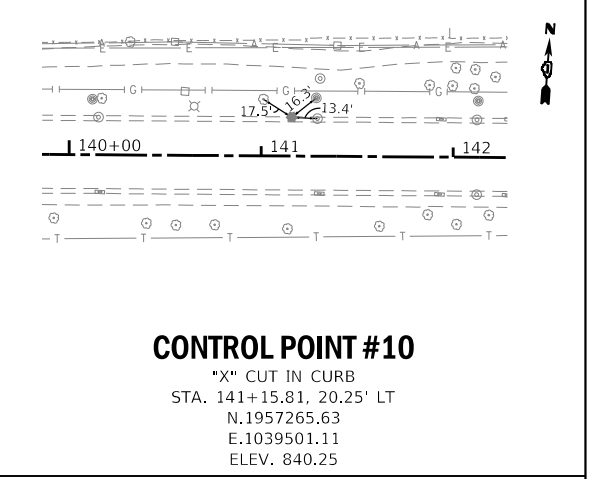
CONTROL POINT #7
 "X" CUT IN CURB
 STA. 127+79.72, 19.87' RT
 N.1957124.91
 E.1038171.69
 ELEV. 838.53



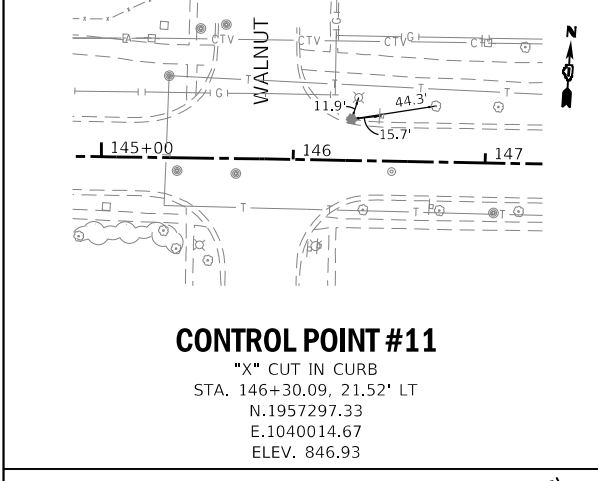
CONTROL POINT #8
 "X" CUT IN CURB
 STA. 132+23.63, 20.38' RT
 N.1957158.90
 E.1038614.29
 ELEV. 835.61



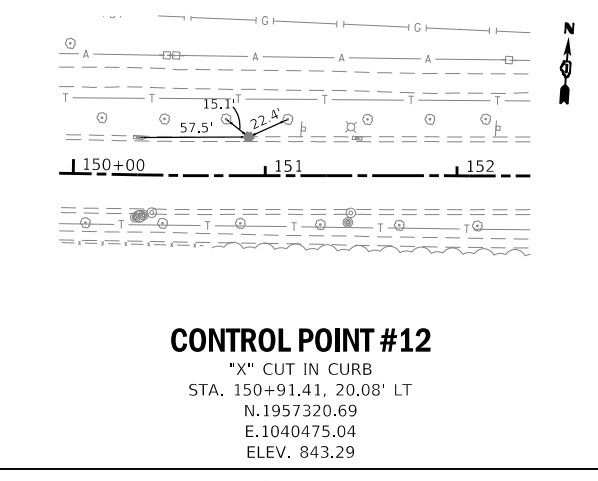
CONTROL POINT #9
 "X" CUT IN CURB
 STA. 136+60.78, 20.43' LT
 N.1957233.31
 E.1039046.98
 ELEV. 837.82



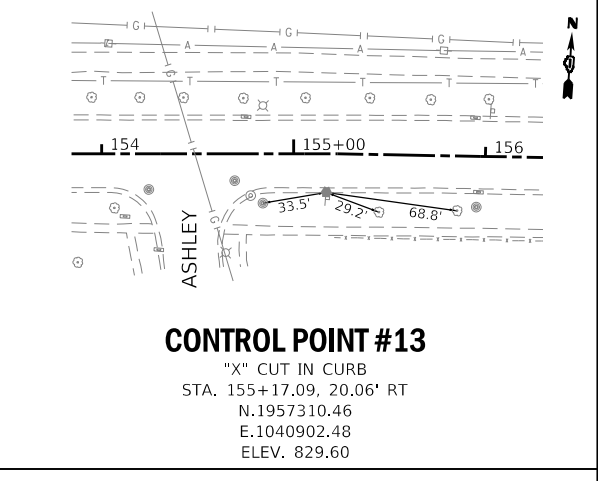
CONTROL POINT #10
 "X" CUT IN CURB
 STA. 141+15.81, 20.25' LT
 N.1957265.63
 E.1039501.11
 ELEV. 840.25



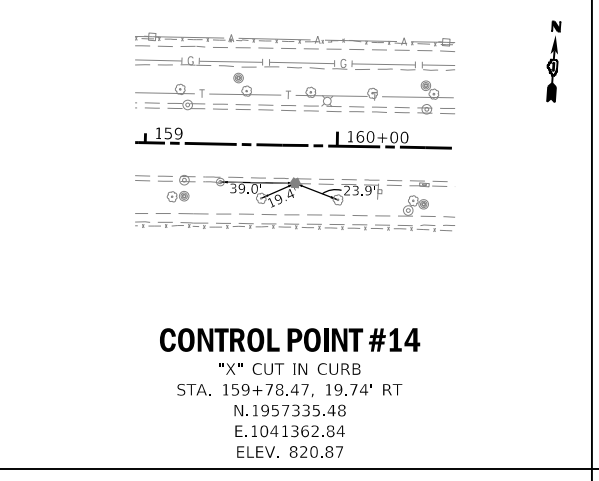
CONTROL POINT #11
 "X" CUT IN CURB
 STA. 146+30.09, 21.52' LT
 N.1957297.33
 E.1040014.67
 ELEV. 846.93



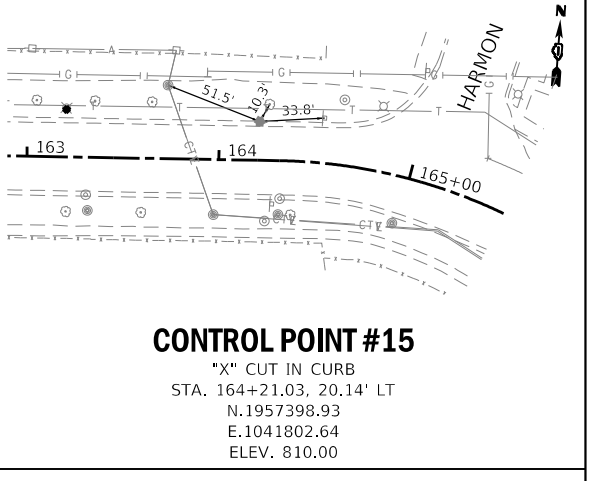
CONTROL POINT #12
 "X" CUT IN CURB
 STA. 150+91.41, 20.08' LT
 N.1957320.69
 E.1040475.04
 ELEV. 843.29



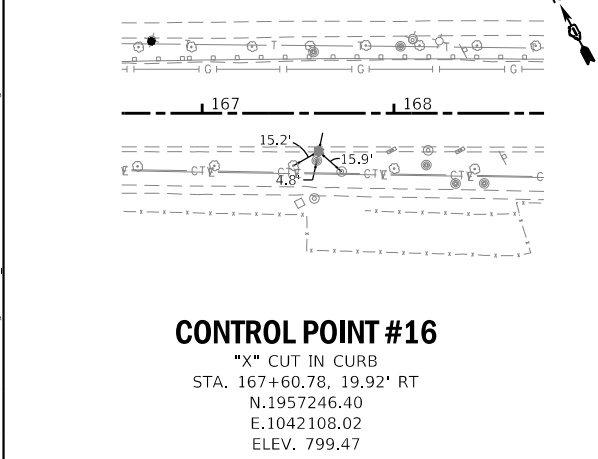
CONTROL POINT #13
 "X" CUT IN CURB
 STA. 155+17.09, 20.06' RT
 N.1957310.46
 E.1040902.48
 ELEV. 829.60



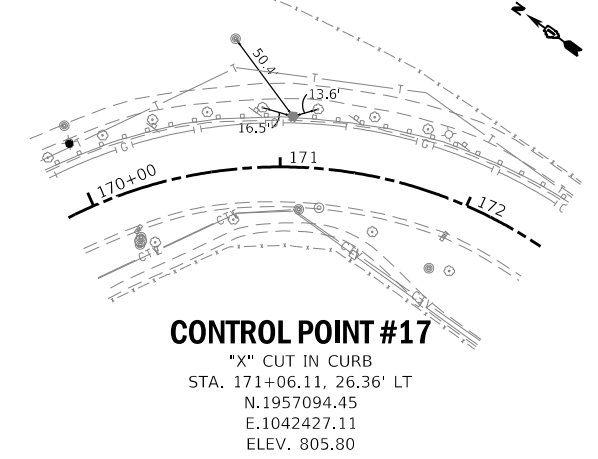
CONTROL POINT #14
 "X" CUT IN CURB
 STA. 159+78.47, 19.74' RT
 N.1957335.48
 E.1041362.84
 ELEV. 820.87



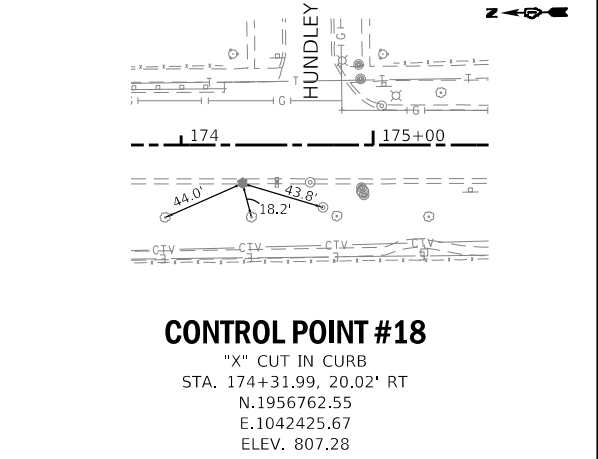
CONTROL POINT #15
 "X" CUT IN CURB
 STA. 164+21.03, 20.14' LT
 N.1957398.93
 E.1041802.64
 ELEV. 810.00



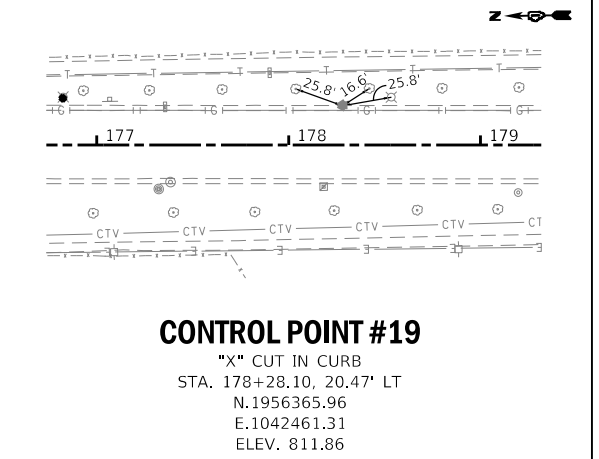
CONTROL POINT #16
 "X" CUT IN CURB
 STA. 167+60.78, 19.92' RT
 N.1957246.40
 E.1042108.02
 ELEV. 799.47



CONTROL POINT #17
 "X" CUT IN CURB
 STA. 171+06.11, 26.36' LT
 N.1957094.45
 E.1042427.11
 ELEV. 805.80



CONTROL POINT #18
 "X" CUT IN CURB
 STA. 174+31.99, 20.02' RT
 N.1956762.55
 E.1042425.67
 ELEV. 807.28



CONTROL POINT #19
 "X" CUT IN CURB
 STA. 178+28.10, 20.47' LT
 N.1956365.96
 E.1042461.31
 ELEV. 811.86

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HAMPTON, LENZINI AND RENWICK, INC.
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 ILLINOIS PROFESSIONAL DESIGN FIRM
 151 / PE / SE COMP. 154-000959

USER NAME = emelchers
 PLOT SCALE = 100,0000' / in.
 PLOT DATE = 4/1/2022

DESIGNED -
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 CHECKED -
 DATE -

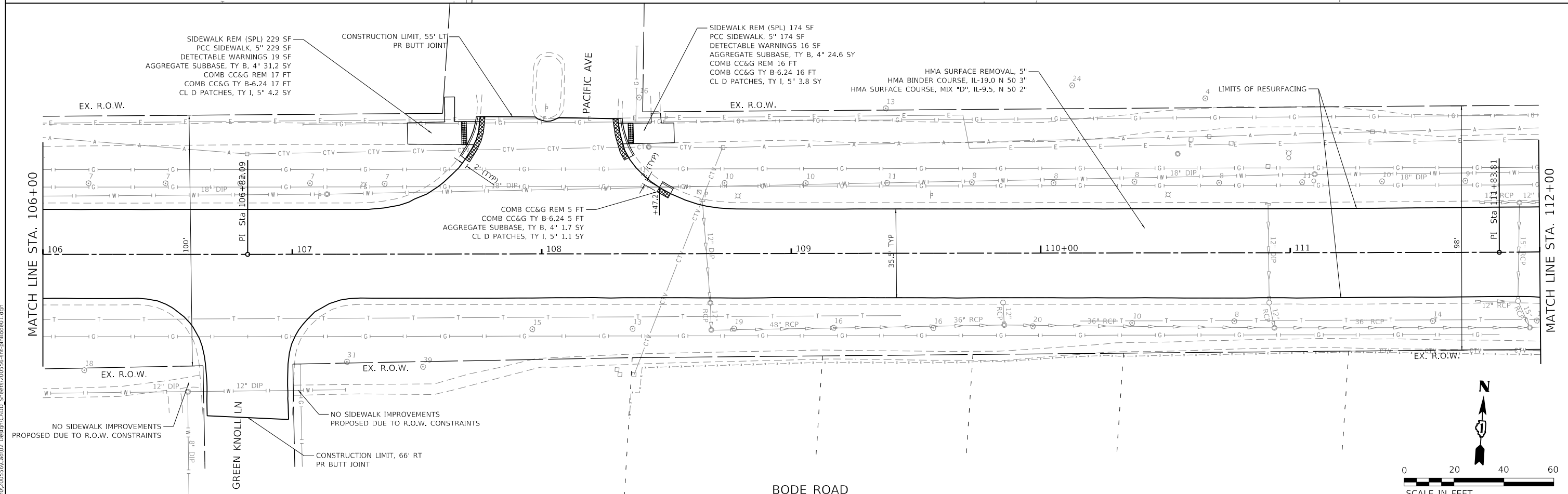
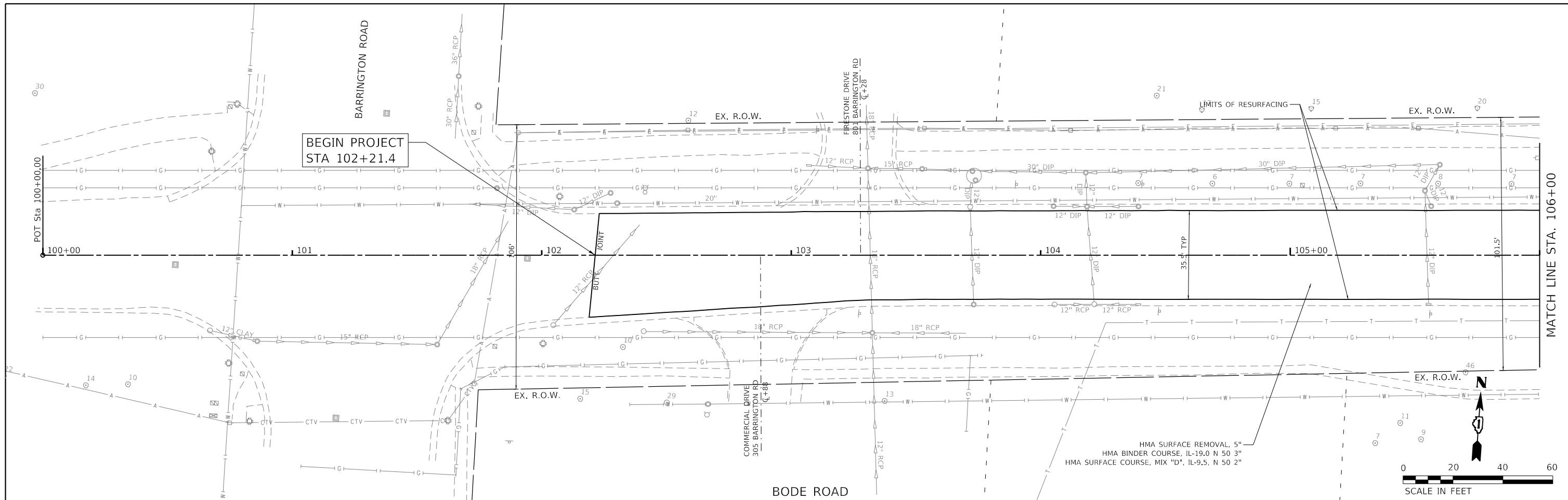
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

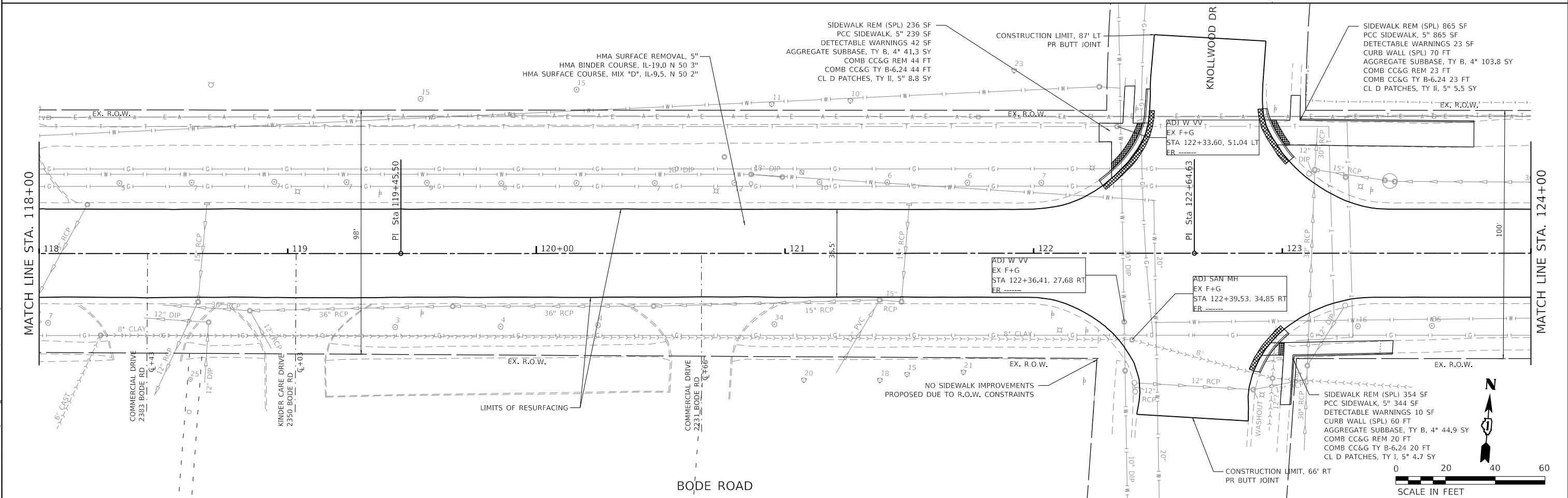
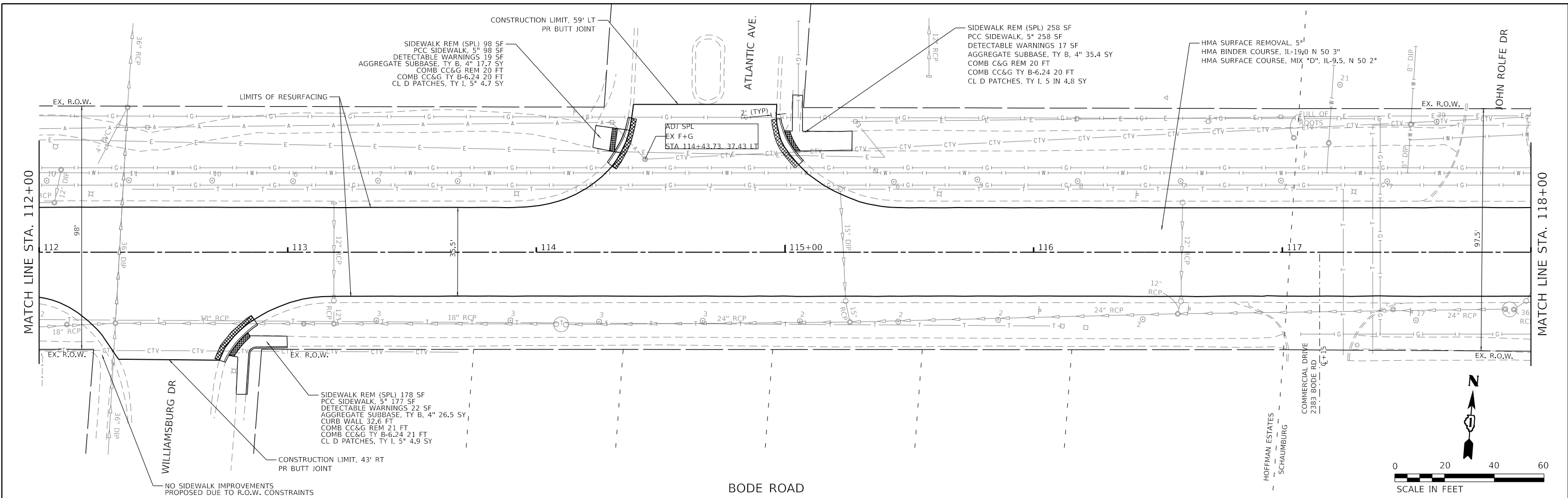
**BODE ROAD
 ALIGNMENT, TIES AND BENCHMARKS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1317 2582	21-00137-00-R5	COOK	72	11
CONTRACT NO. 61H72				
ILLINOIS FED. AID PROJECT				



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	PLOT SCALE = 40.0000' / in. PLOT DATE = 4/1/2022	SCALE: 1"=20' SHEET OF SHEETS STA. 100+00 TO STA. 112+00					



HAMPTON, LENZINI AND RENWICK, INC.
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 ILLINOIS PROFESSIONAL DESIGN FIRM
 151/PE/SE/COMP. 184.000959

USER NAME = emelchers	DESIGNED -	REVISED - 3/23/2022
DRAWN - SMS	REVISOR -	REVISED - 5/2/2022
CHECKED -	REVISOR -	REVISED -
DATE -	REVISOR -	REVISED -
PLOT SCALE = 40.0000' / in.		
PLOT DATE = 5/2/2022		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

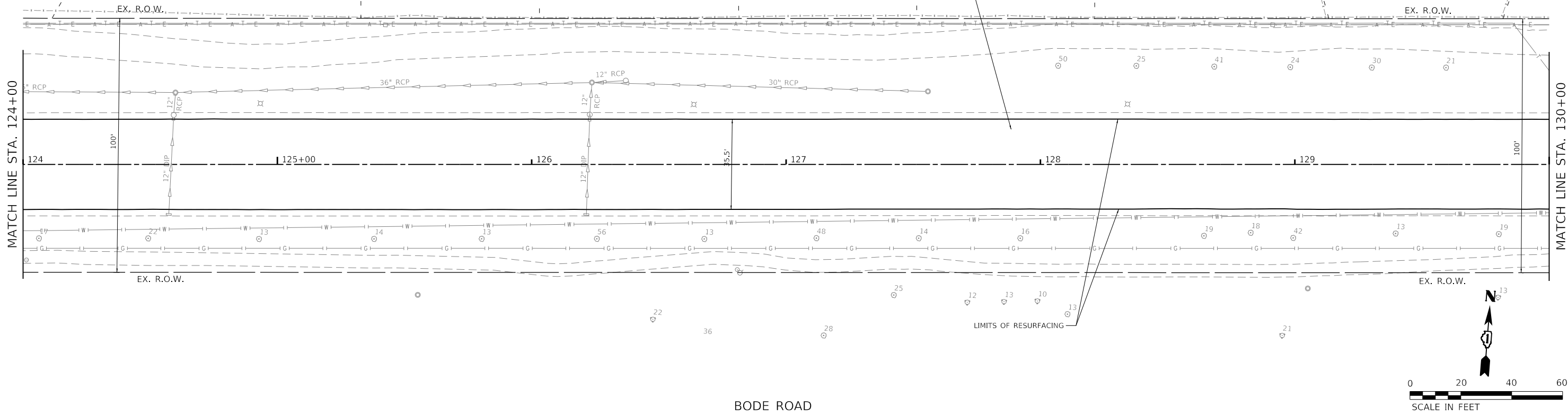
BODE ROAD
PLAN VIEW

SCALE: 1"=20' SHEET OF SHEETS STA. 112+00 TO STA. 124+00

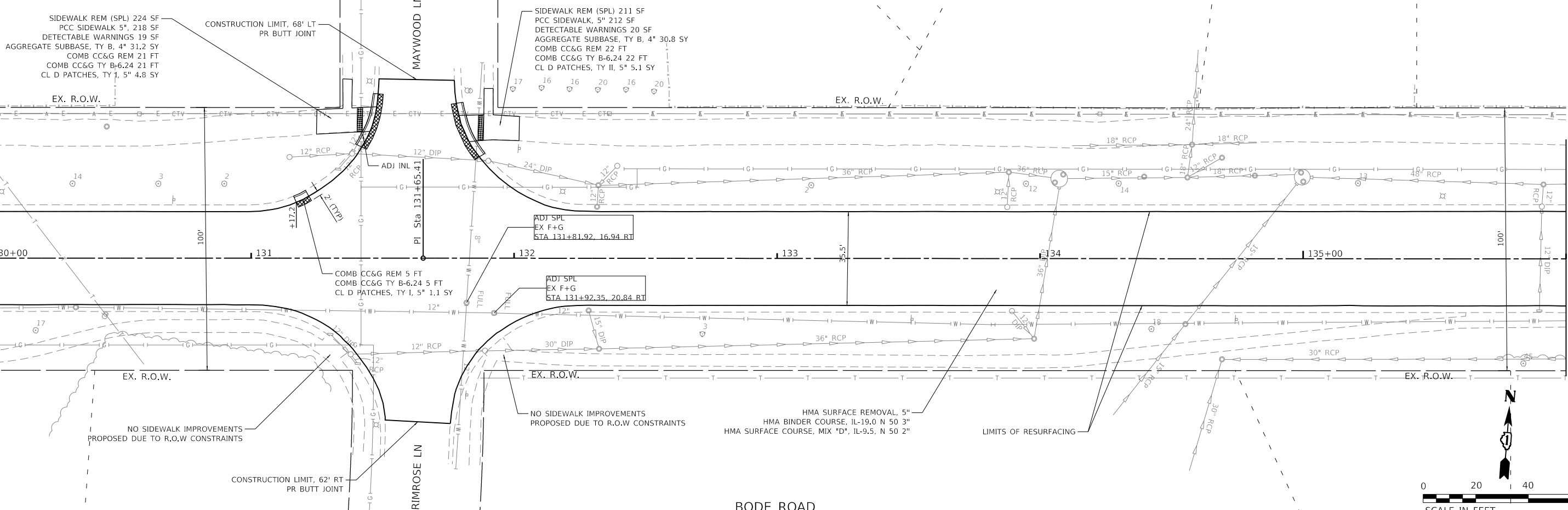
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CONTRACT NO. 61H72				
ILLINOIS FED. AID PROJECT				

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HMA SURFACE REMOVAL, 5"
 HMA BINDER COURSE, IL-19.0 N 50 3"
 HMA SURFACE COURSE, MIX "D", IL-9.5! N 50 2"



BODE ROAD



BODE ROAD

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HAMPTON, LENZINI AND RENWICK, INC.
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 ILLINOIS PROFESSIONAL DESIGN FIRM
 I.S./P.E./S.E. CORP. 184-000959

USER NAME = emelchers
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 4/1/2022

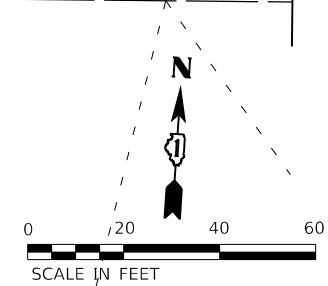
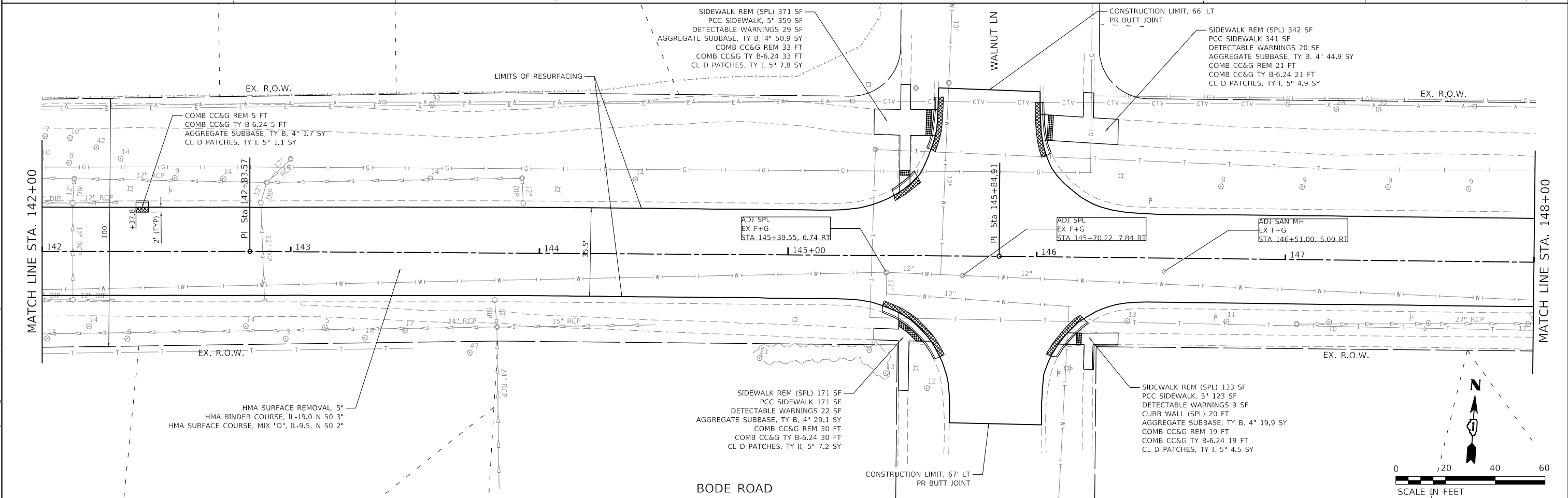
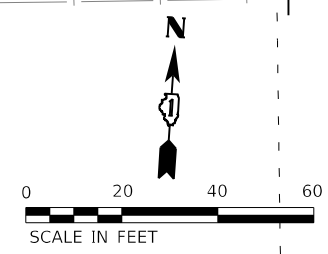
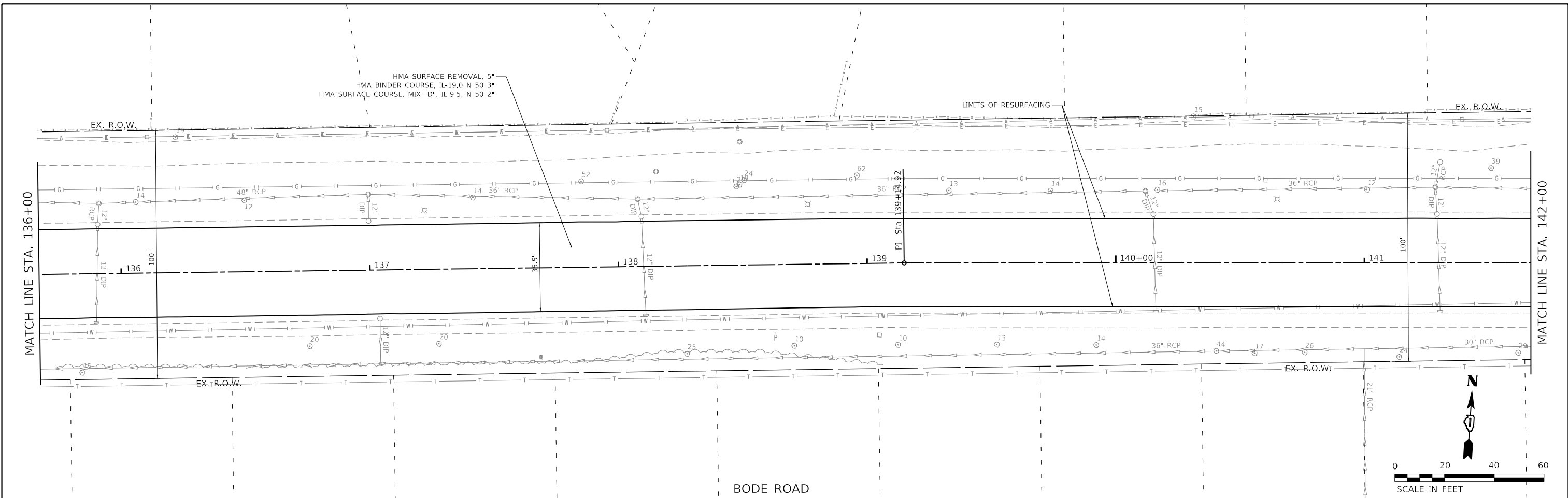
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 DRAWN - SMS
 CHECKED -
 DATE -

REVISED - 3/23/2022
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BODE ROAD
 PLAN VIEW**
 SCALE: 1"=20'
 SHEET OF SHEETS STA. 124+00 TO STA. 136+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1317 2562	21-00137-00-RS	COOK	72	14
CONTRACT NO. 61H72				
ILLINOIS FED. AID PROJECT				



MODEL: D:\s\h\11
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HAMPTON, LENZINI AND RENWICK, INC.
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 ILLINOIS PROFESSIONAL DESIGN FIRM
 I.S./P.E. / S.E. COMP. 184.000959

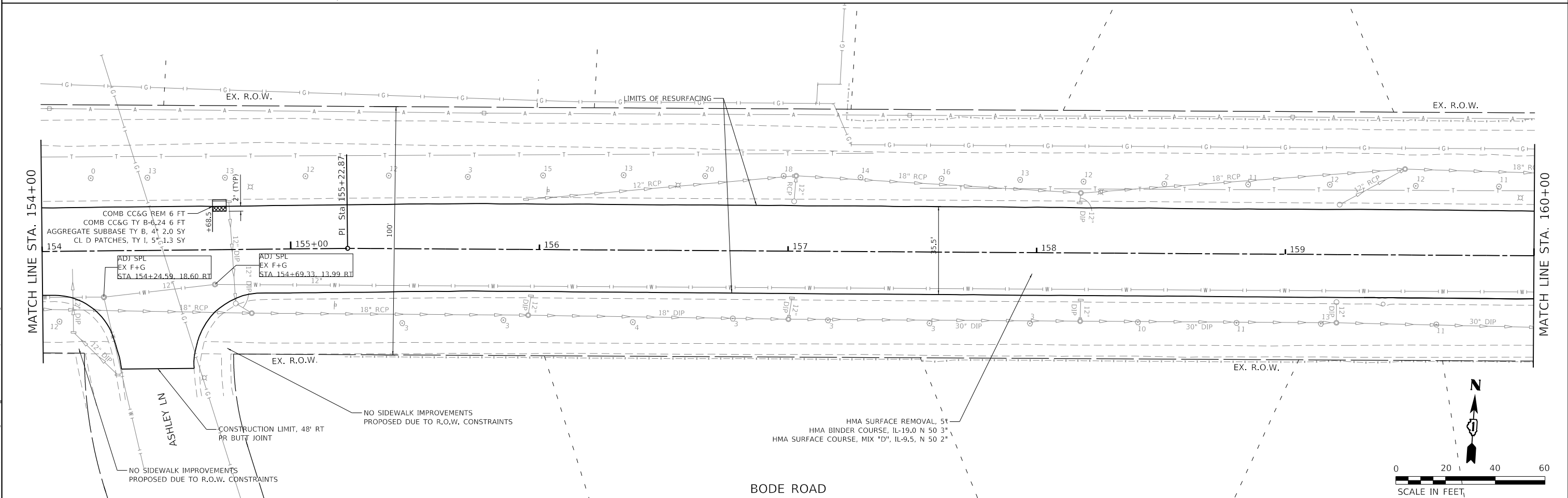
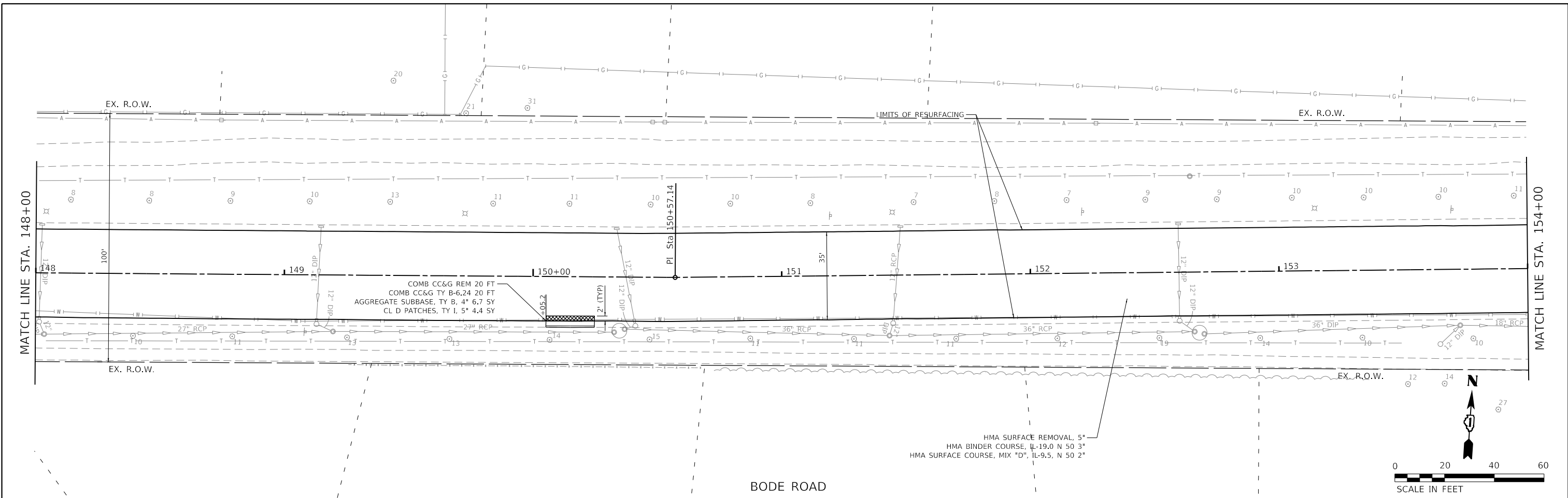
USER NAME = emelchers	DESIGNED -	REVISED - 3/23/2022
DESIGNED - SMS	DRAWN -	REVISED - 5/2/2022
PLLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLLOT DATE = 5/2/2022	DATE	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BODE ROAD
PLAN VIEW

SCALE: 1"=20' SHEET OF SHEETS STA. 136+00 TO STA. 148+00

F.A.U. RTE. 1317 2562	SECTION 21-00137-00-R5	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 15
CONTRACT NO. 61H72				
ILLINOIS FED. AID PROJECT				



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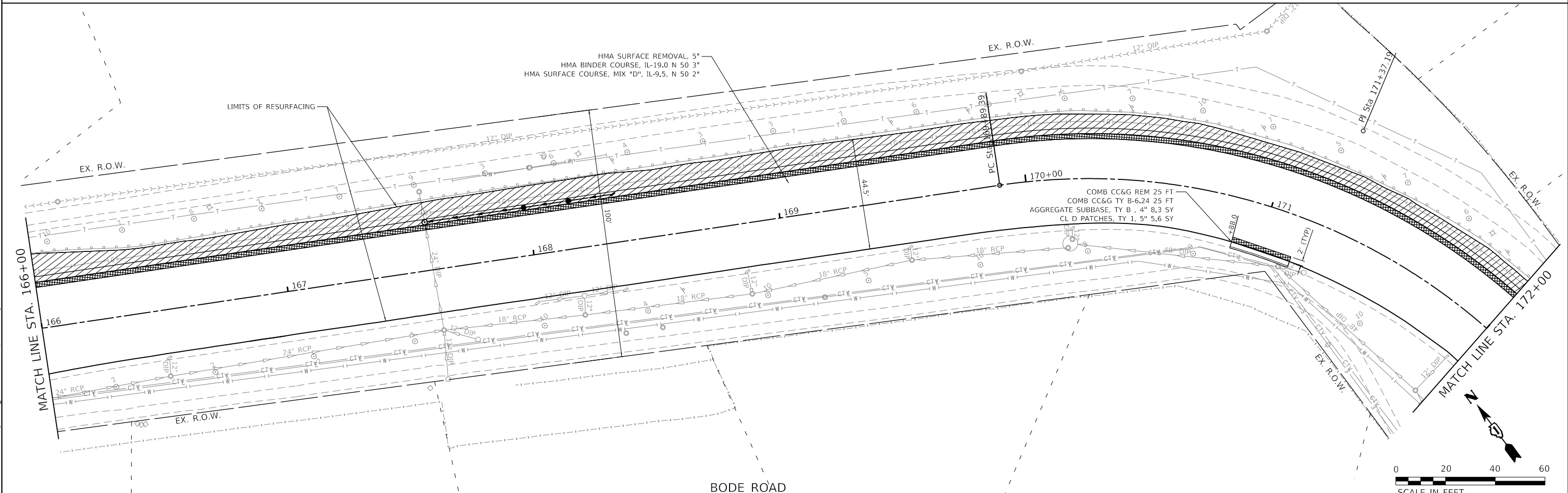
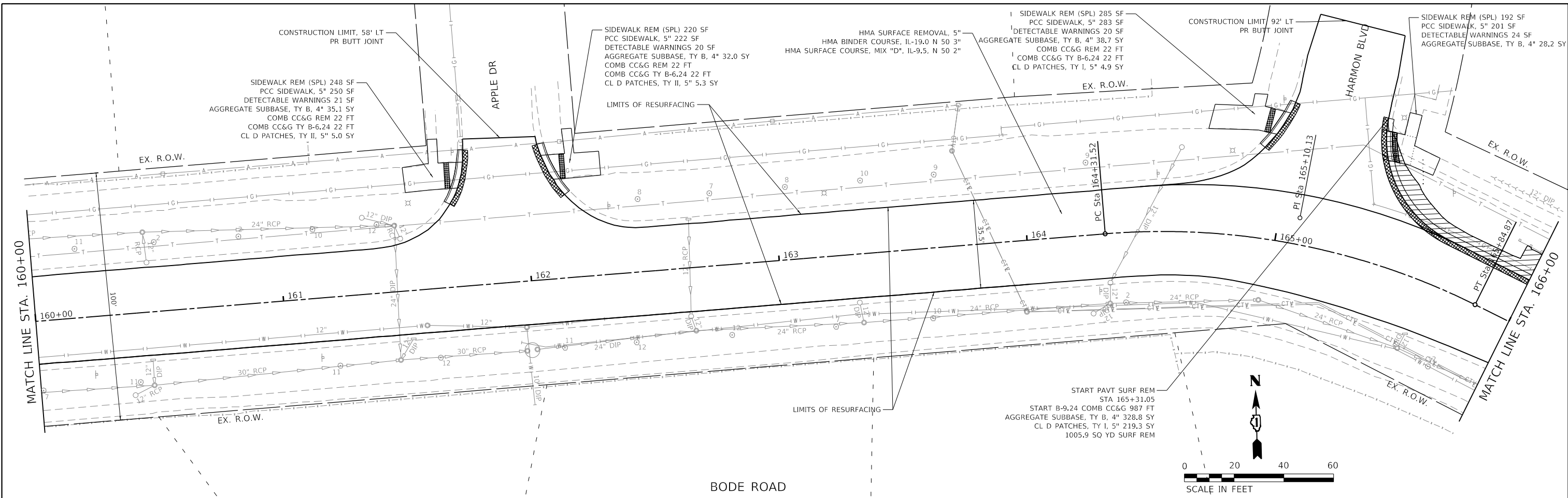
HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM L.S./P.E./S.E. COMP. 184-000959	USER NAME = emelchers	DESIGNED -	REVISED - 3/23/2022
		DRAWN - SMS	REVISED -
	PLOT SCALE = 40.0000' / 1\"/>		
	PLOT DATE = 4/1/2022	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BODE ROAD
 PLAN VIEW**

SCALE: 1"=20' SHEET OF SHEETS STA. 148+00 TO STA. 160+00

F.A.U. RTE. 1317 2582	SECTION 21-00137-00-RS	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 16
CONTRACT NO. 61H72				
ILLINOIS FED. AID PROJECT				



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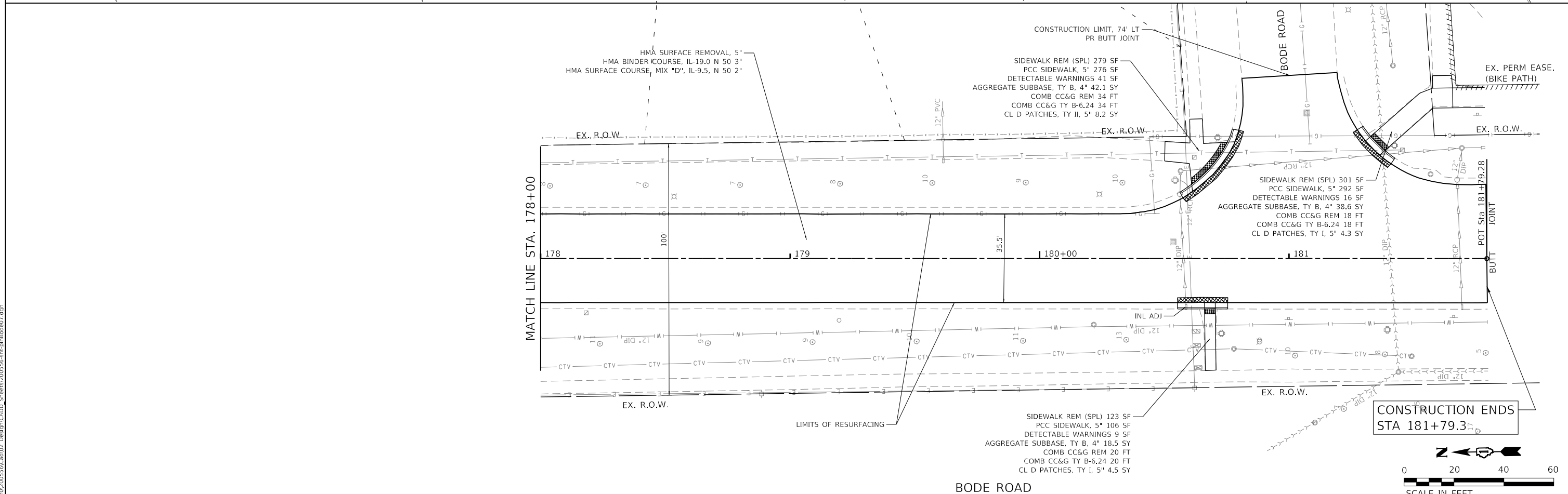
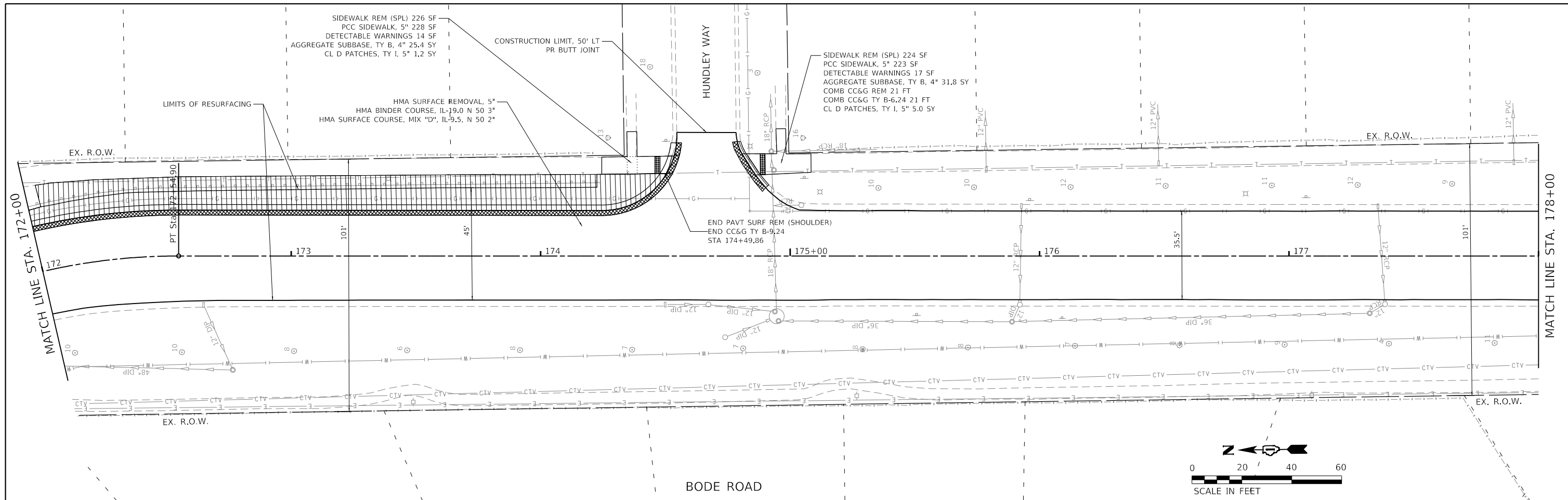
HAMPTON, LENZINI AND RENWICK, INC.
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 ILLINOIS PROFESSIONAL DESIGN FIRM
 15/ J.E. / SE. COMP. 184.000959

USER NAME = emelchers	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - SMS	REVISED -
PLOT DATE = 4/1/2022	CHECKED -	REVISED -
	DATE -	REVISED -

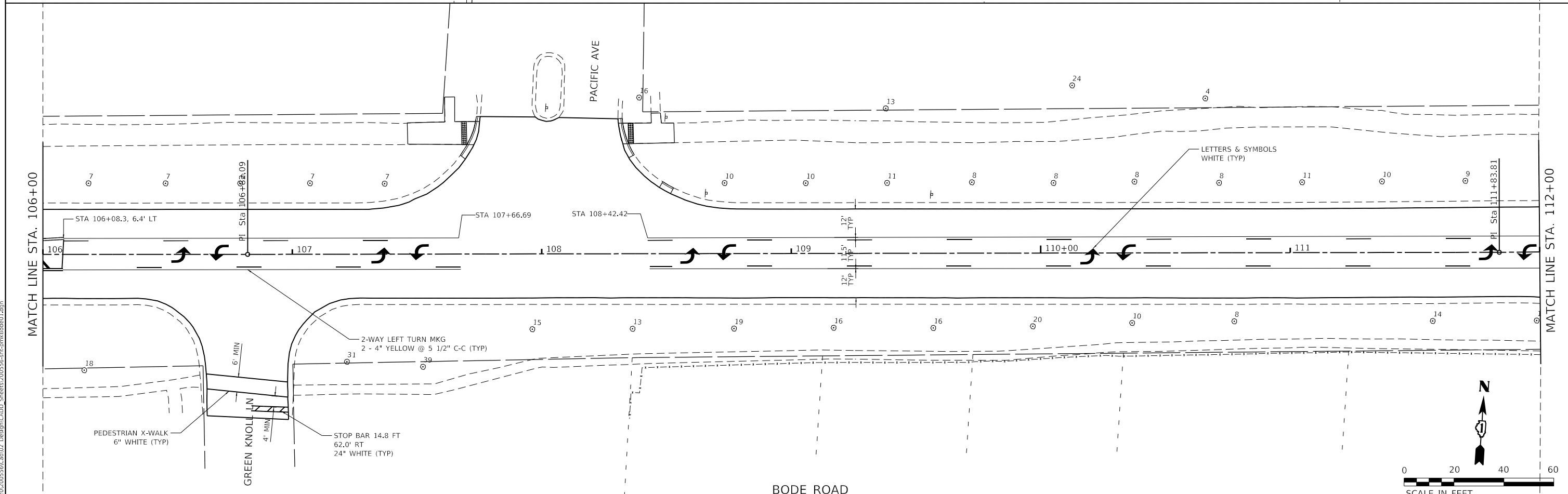
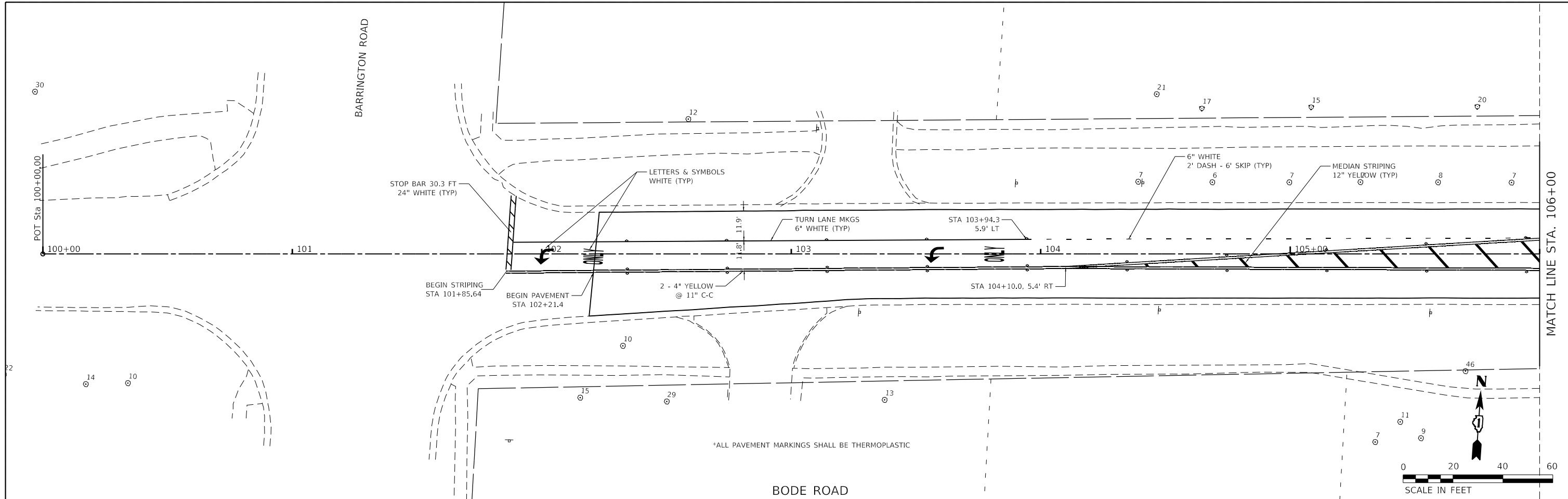
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

BODE ROAD PLAN VIEW	
SCALE: 1"=20'	SHEET OF SHEETS STA. 160+00 TO STA. 172+00

F.A.U. RTE. 1317 2562	SECTION 21-00137-00-RS	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 17
CONTRACT NO. 61H72				ILLINOIS FED. AID PROJECT



 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM I.S. / P.E. / S.E. CORP. 184-000959	USER NAME = emelchers	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BODE ROAD PLAN VIEW	F.A.U. RTE. 1317 2582	SECTION 21-00137-00-R5	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 18
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			SCALE: 1"=20'	SHEET OF SHEETS	STA. 172+00 TO STA. 181+79.28	CONTRACT NO. 61H72	
	PLOT DATE = 4/1/2022	DATE -	REVISED -							



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HAMPTON, LENZINI AND RENWICK, INC.
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 ILLINOIS PROFESSIONAL DESIGN FIRM
 I.S./P.E./S.E. CORP. 184-000959

USER NAME = emelchers
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 CHECKED -
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 PLOT DATE = 4/1/2022

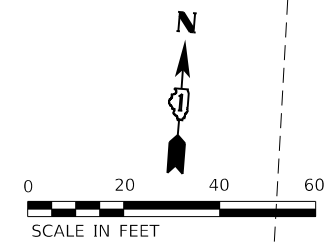
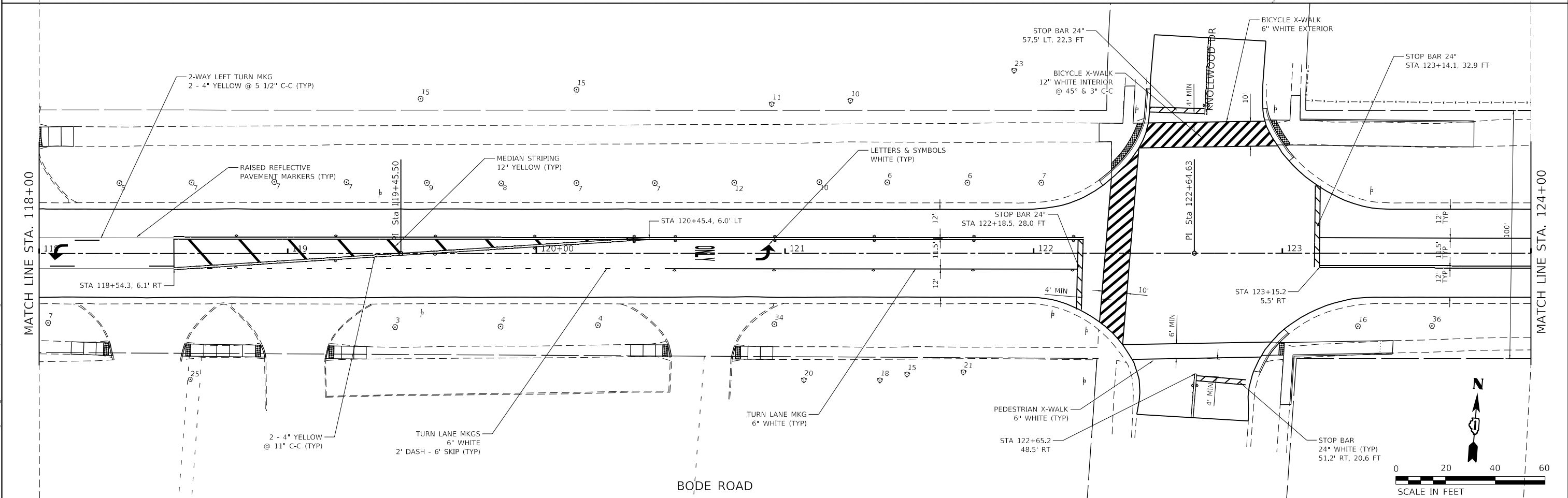
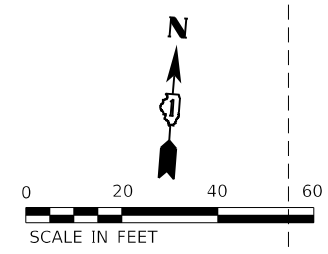
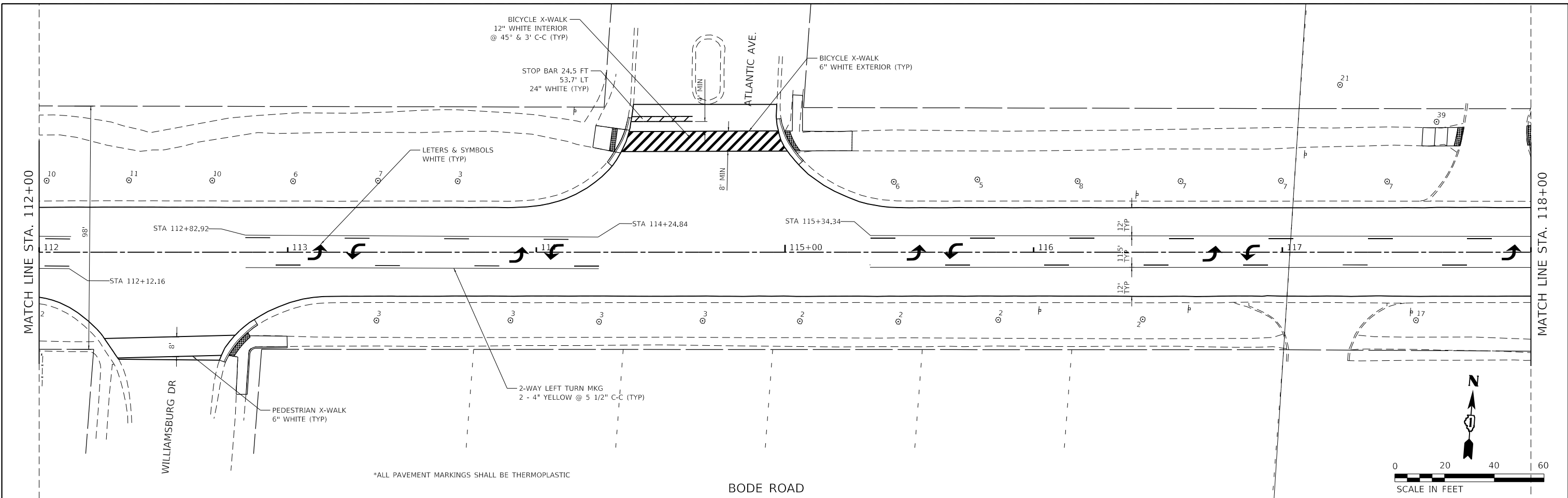
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BODE ROAD
 PAVEMENT MARKING**

SCALE: 1"=20' SHEET OF SHEETS STA. 100+00 TO STA. 112+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1317 2582	21-00137-00-R5	COOK	72	19
CONTRACT NO. 61H72				
ILLINOIS FED. AID PROJECT				



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HAMPTON, LENZINI AND RENWICK, INC.
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 ILLINOIS PROFESSIONAL DESIGN FIRM
 I.S./P.E./S.E. CORP. 184-000959

USER NAME = emelchers
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 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 4/1/2022

DESIGNED -
 DRAWN - SMS
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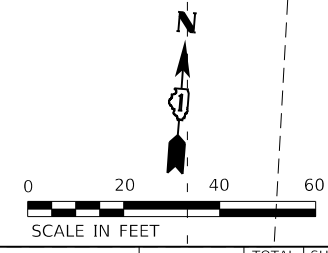
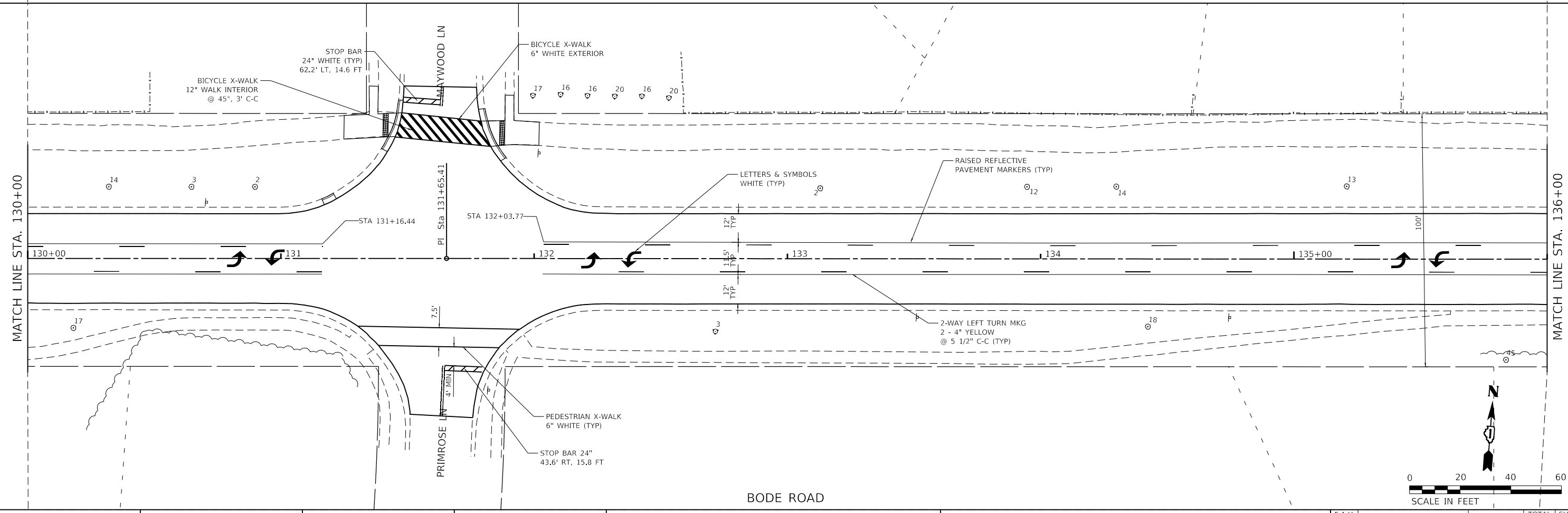
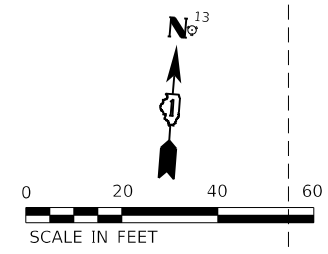
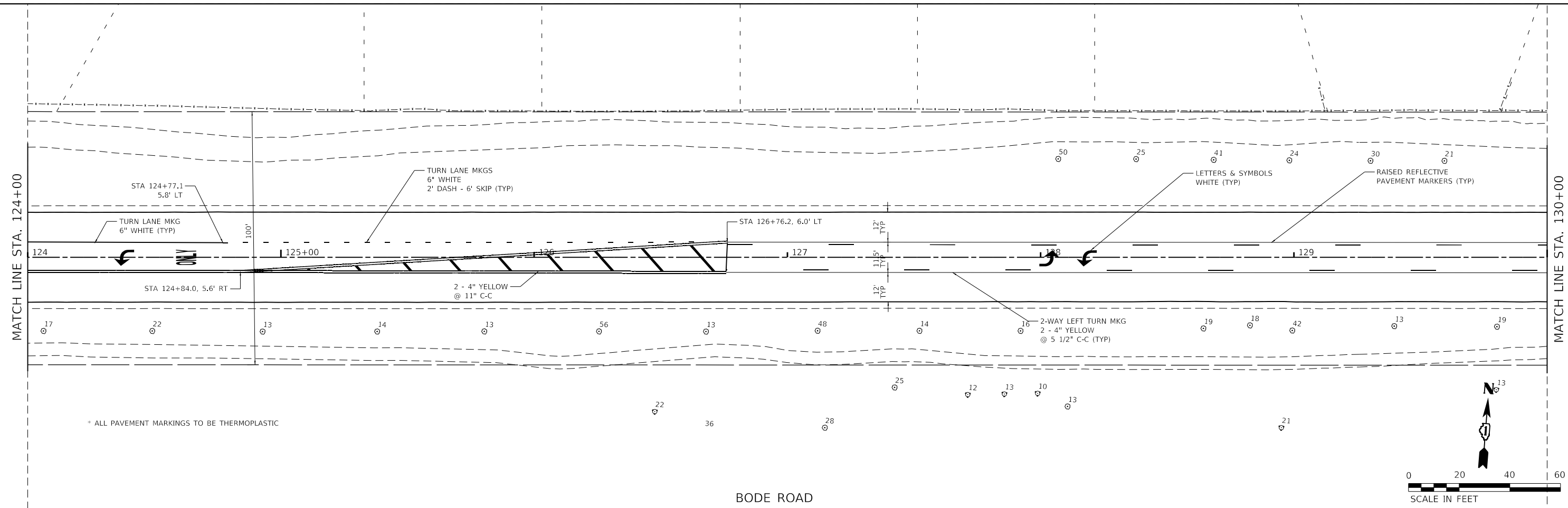
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BODE ROAD
 PAVEMENT MARKING**

SCALE: 1"=20' SHEET OF SHEETS STA. 112+00 TO STA. 124+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1317 2582	21-00137-00-RS	COOK	72	20
CONTRACT NO. 61H72				
ILLINOIS FED. AID PROJECT				

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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
L.S./P.E./S.E. CORP. 154-000959

USER NAME = emelchers
DESIGNED -
DRAWN - SMS
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CHECKED -
DATE = 4/1/2022

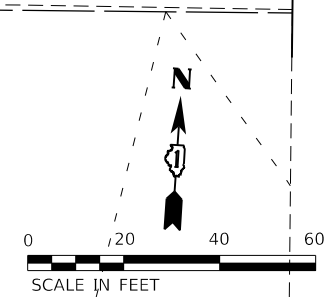
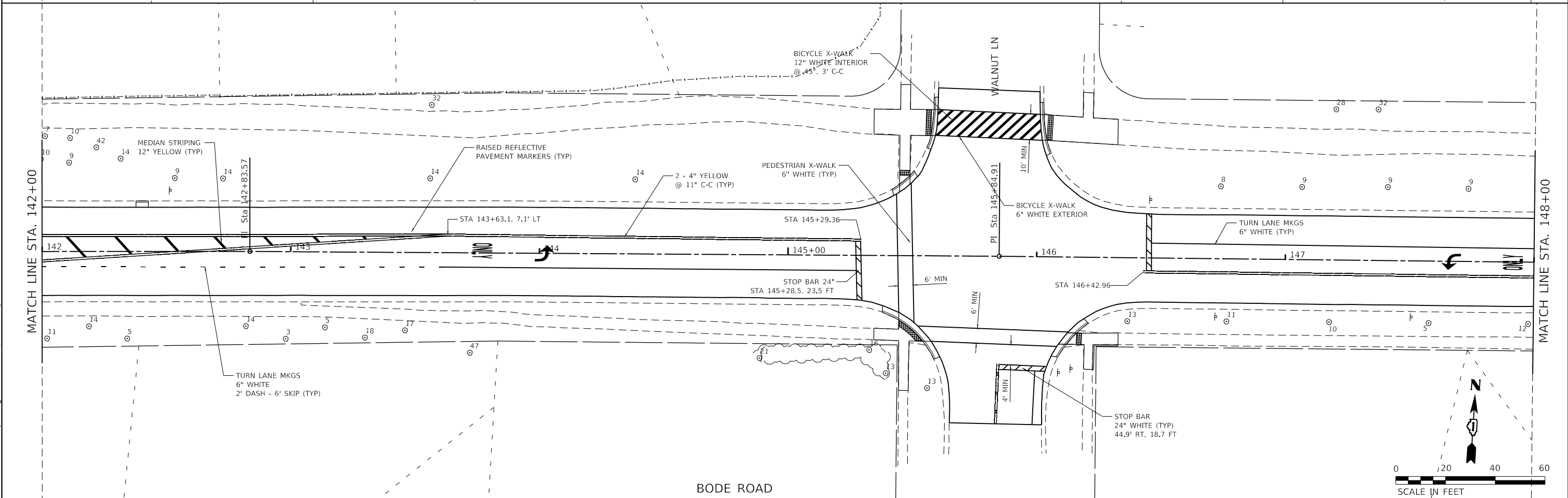
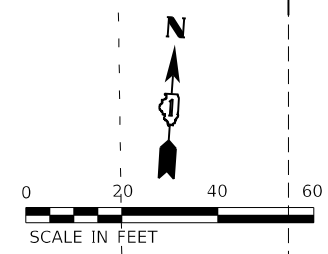
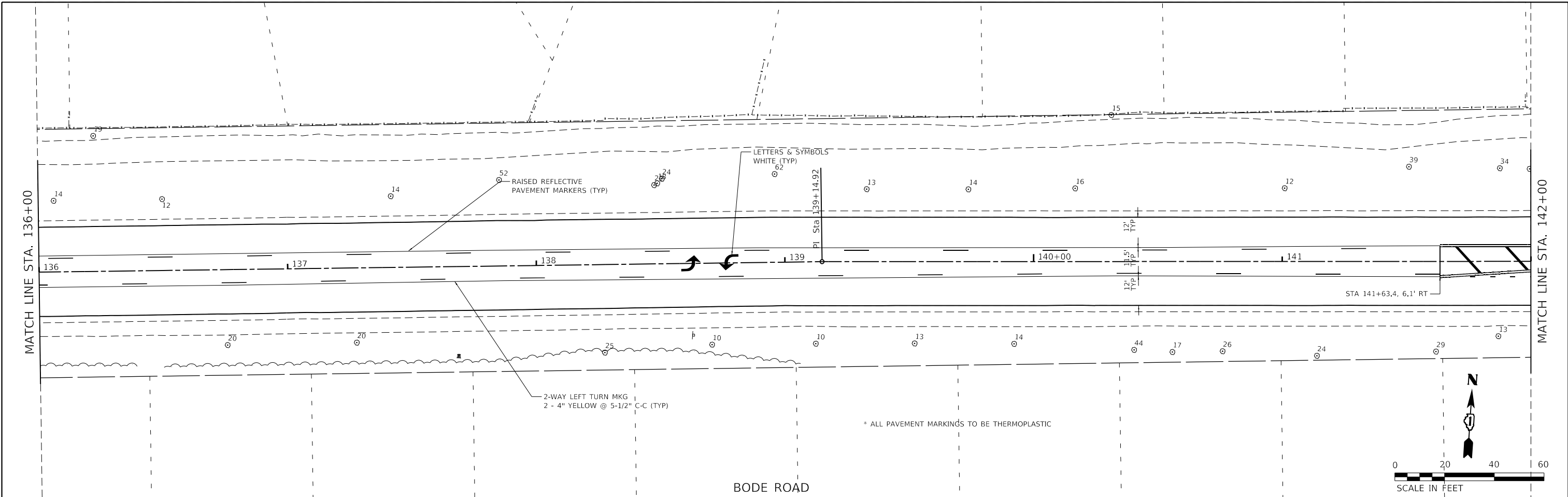
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BODE ROAD
PAVEMENT MARKING**
SCALE: 1"=20' SHEET OF SHEETS STA. 124+00 TO STA. 136+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1317 2562	21-00137-00-R5	COOK	72	21
CONTRACT NO. 61H72				
ILLINOIS FED. AID PROJECT				



HAMPTON, LENZINI AND RENWICK, INC.
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 ILLINOIS PROFESSIONAL DESIGN FIRM
 151 / PE / SE CORP. 154.000959

USER NAME = emelchers	DESIGNED -	REVISED -
PLOT SCALE = 40,0000 ' / in.	DRAWN - SMS	REVISED -
PLOT DATE = 4/1/2022	CHECKED -	REVISED -
	DATE -	REVISED -

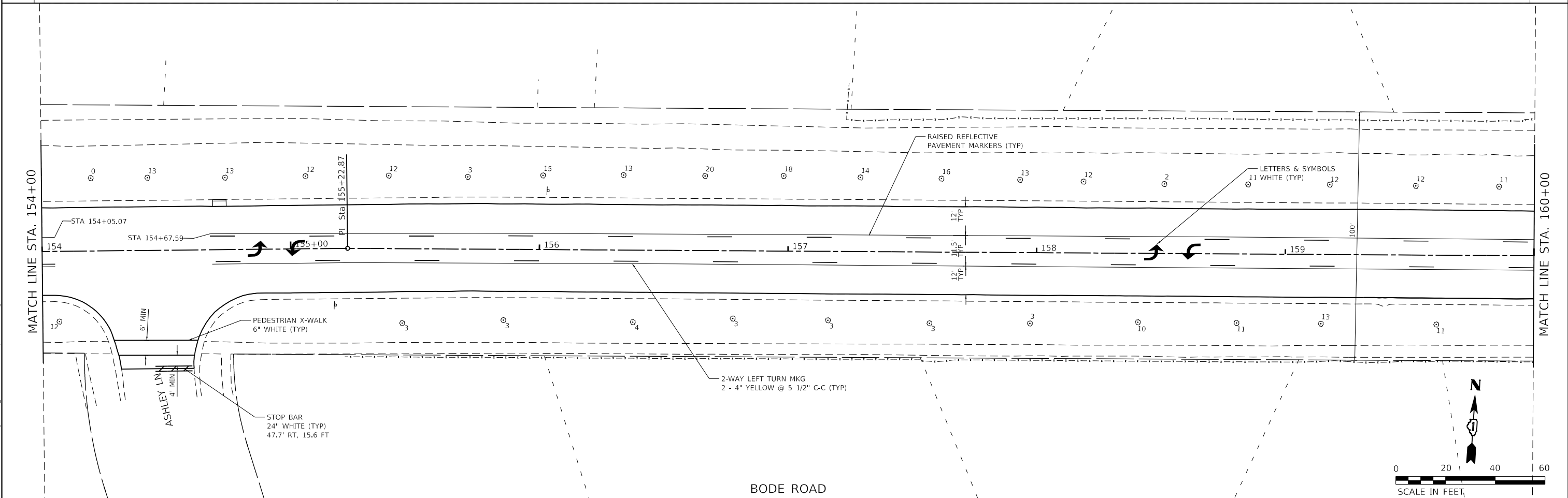
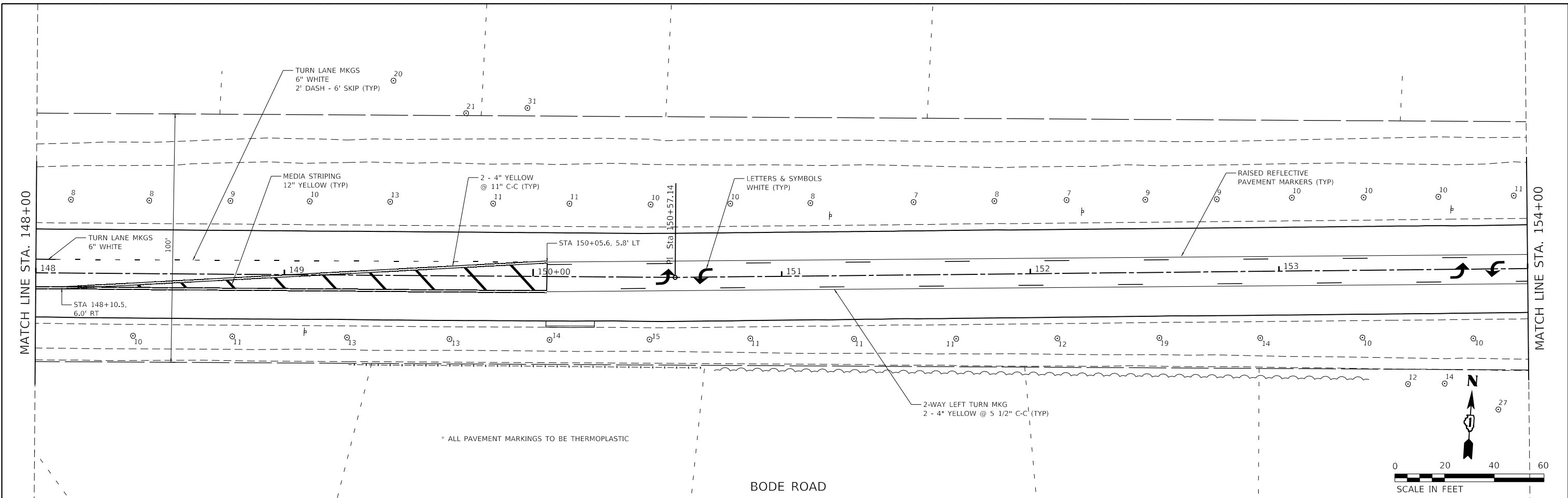
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BODE ROAD
PAVEMENT MARKING

SCALE: 1"=20' SHEET OF SHEETS STA. 136+00 TO STA. 148+00

F.A.U. RTE. 1317 2582	SECTION 21-00137-00-R5	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 22
CONTRACT NO. 61H72				
ILLINOIS FED. AID PROJECT				

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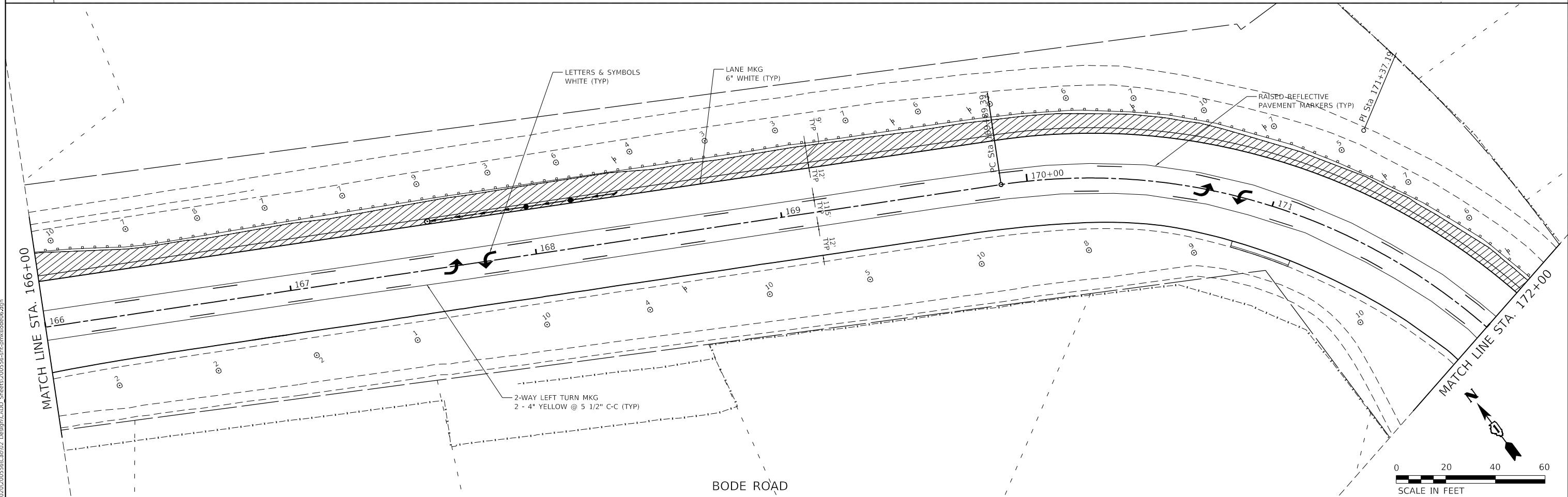
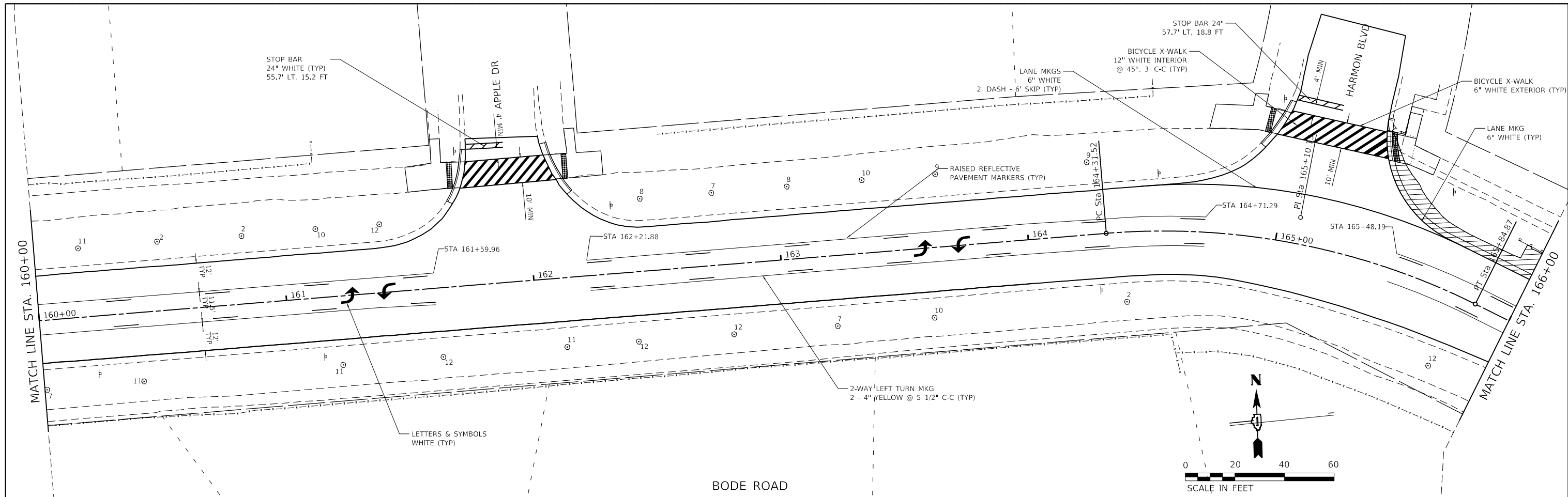
HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM 151 / PE / SE / CORP. 154.000959	USER NAME = emelchers	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - SMS	REVISOR -	REVISOR -
PLOT DATE = 4/1/2022	CHECKED -	REVISOR -	REVISOR -
	DATE -	REVISOR -	REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BODE ROAD
PAVEMENT MARKING

SCALE: 1"=20' SHEET OF SHEETS STA. 148+00 TO STA. 160+00

F.A.U. RTE. 1317 2582	SECTION 21-00137-00-R5	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 23
CONTRACT NO. 61H72				
ILLINOIS FED. AID PROJECT				



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HAMPTON, LENZINI AND RENWICK, INC.
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 ILLINOIS PROFESSIONAL DESIGN FIRM
 151 / PE / SE CORP. 154-000959

USER NAME = emelchers
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 PLOT DATE = 4/1/2022

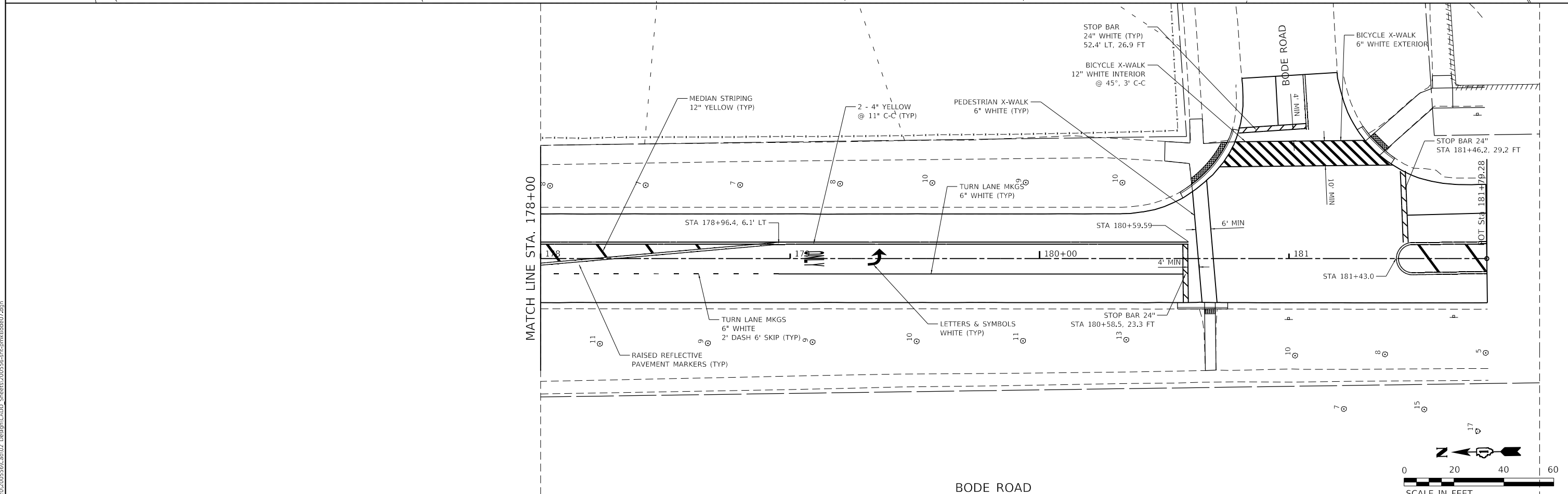
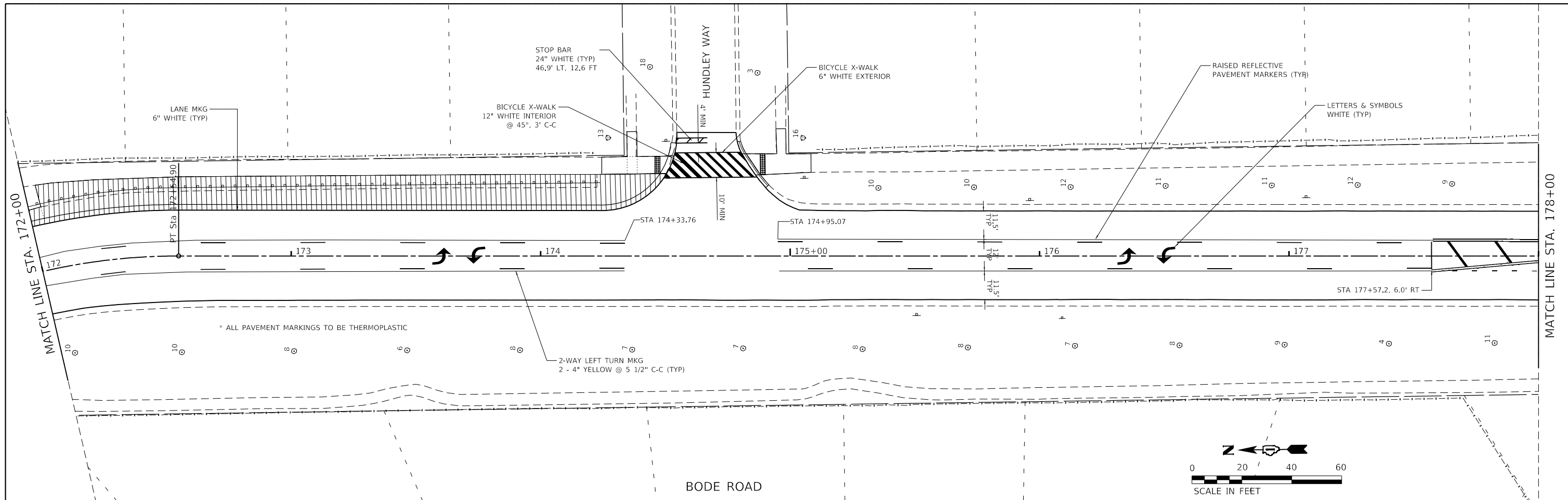
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BODE ROAD
 PAVEMENT MARKING**

SCALE: 1"=20' SHEET OF SHEETS STA. 160+00 TO STA. 172+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1317 2582	21-00137-00-R5	COOK	72	24
CONTRACT NO. 61H72				
ILLINOIS FED. AID PROJECT				



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HAMPTON, LENZINI AND RENWICK, INC.
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 ILLINOIS PROFESSIONAL DESIGN FIRM
 I.S. / P.E. / S.E. CORP. 184.000959

USER NAME = emelchers
 DESIGNED -
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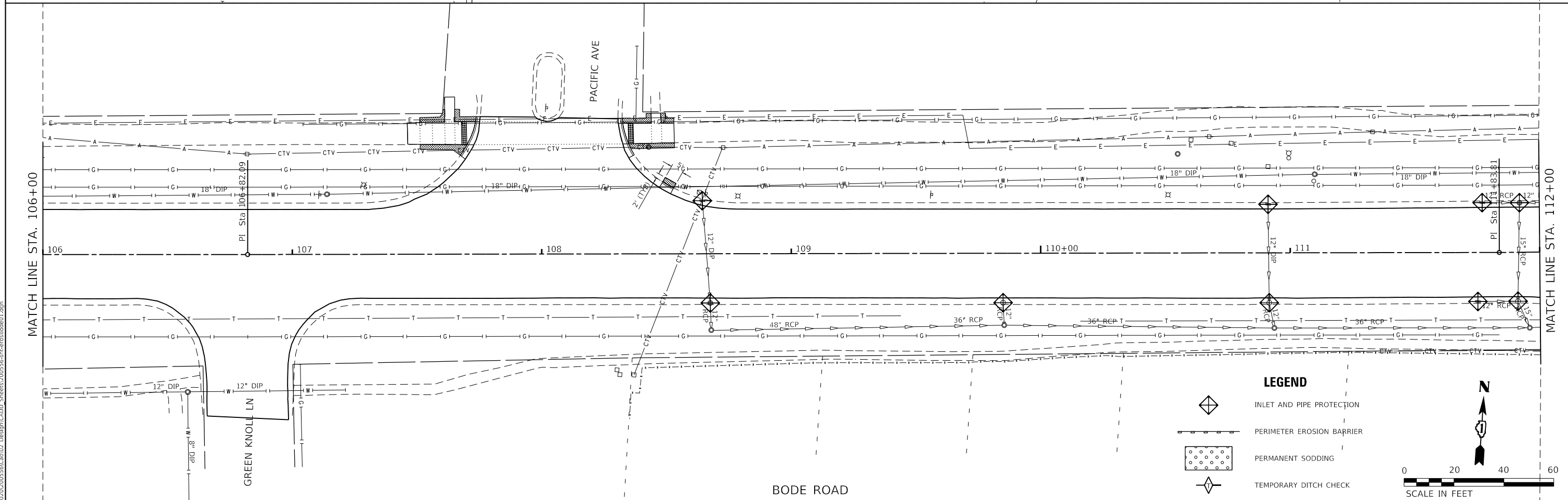
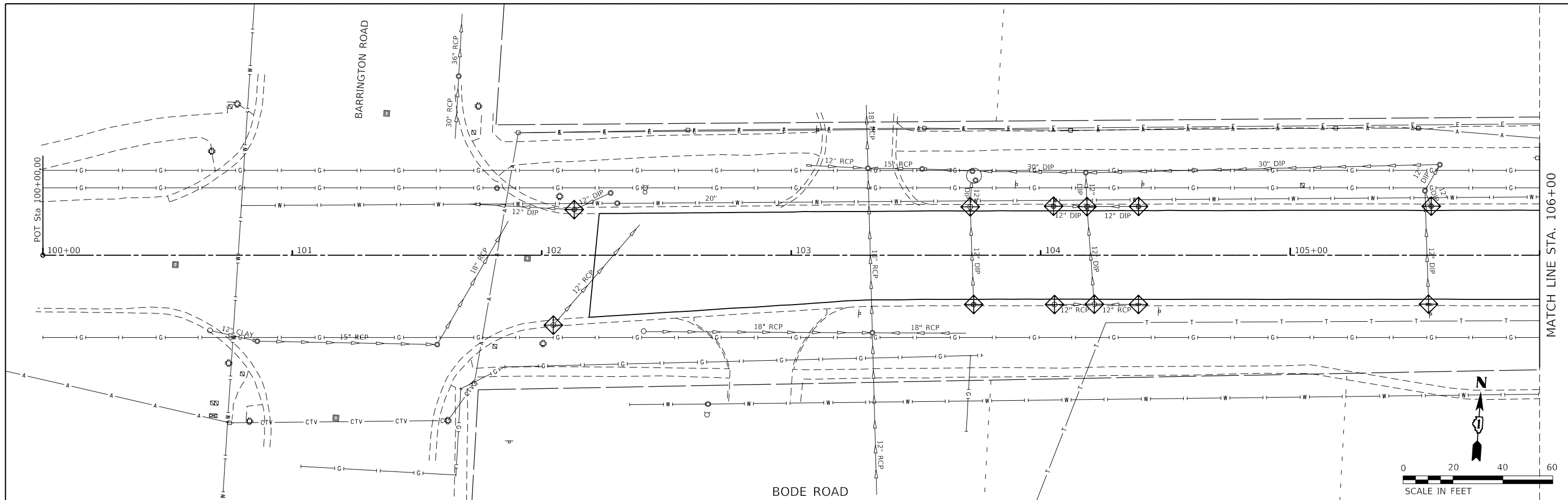
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BODE ROAD
 PAVEMENT MARKING**

SCALE: 1"=20' SHEET OF SHEETS STA. 172+00 TO STA. 181+79.28

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1317 2582	21-00137-00-RS	COOK	72	25
CONTRACT NO. 61H72				
ILLINOIS FED. AID PROJECT				



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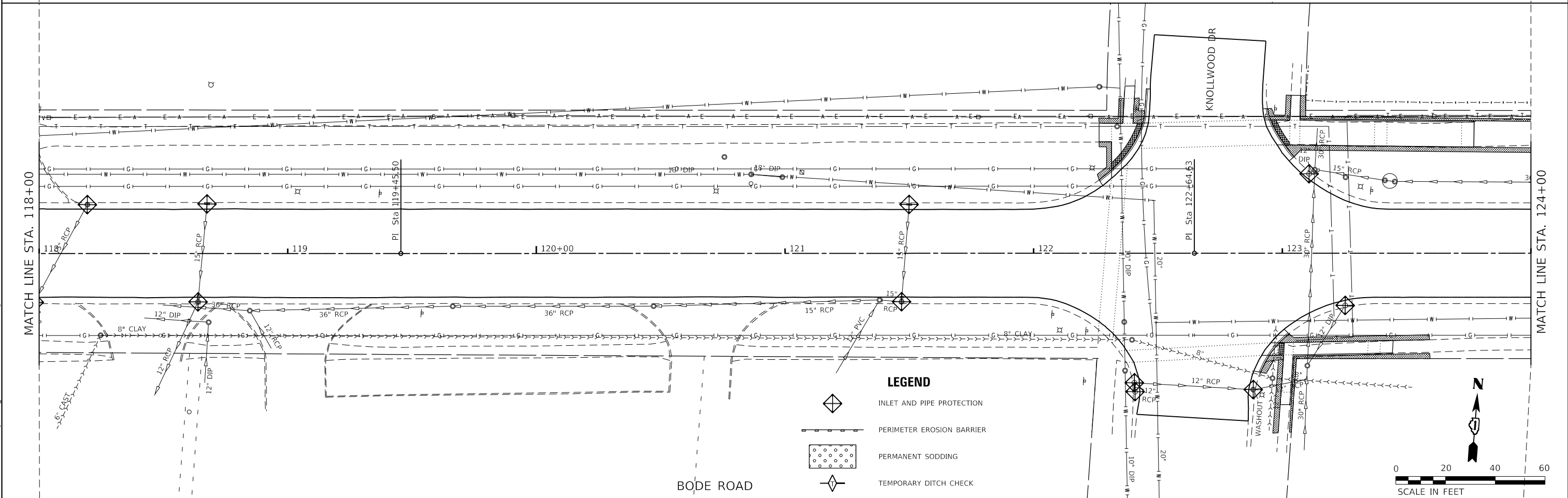
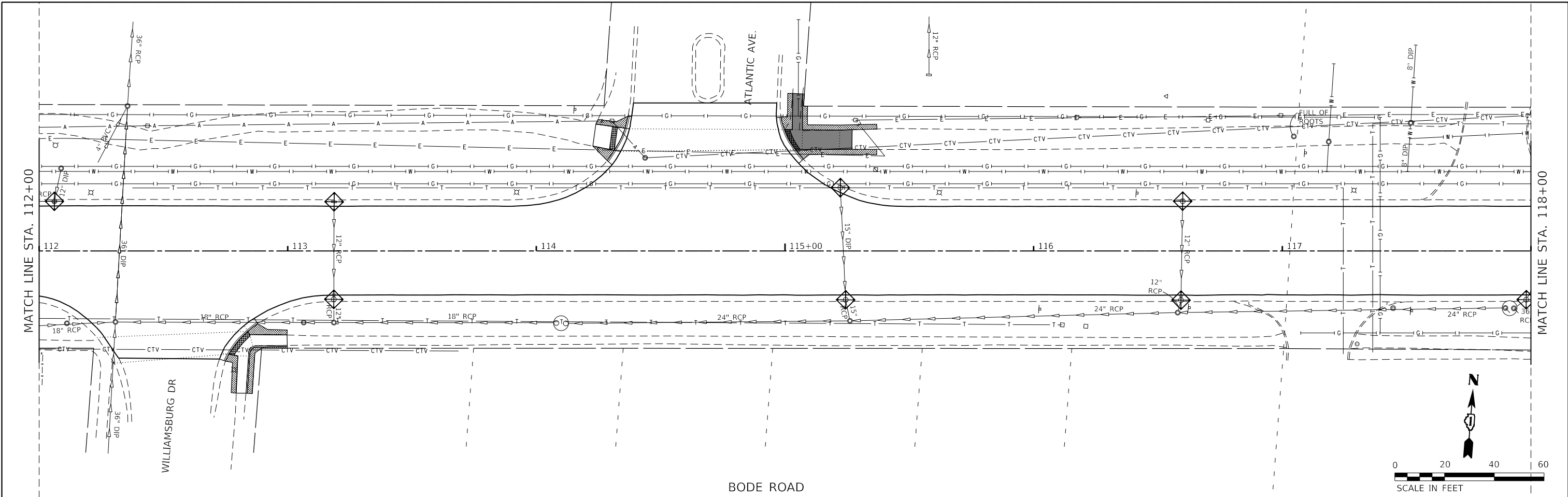
HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM L.S./P.E./S.E. CORP. 184-000959	USER NAME = emelchers	DESIGNED -	REVISED -
	PLOT SCALE = 40.0000' / in.	DRAWN - SMS	REVISED -
	PLOT DATE = 4/1/2022	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BODE ROAD
 SOIL EROSION AND SEDIMENT CONTROL**

SCALE: 1"=20' SHEET OF SHEETS STA. 100+00 TO STA. 112+00

F.A.U. RTE. 1317 2582	SECTION 21-00137-00-RS	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 26
CONTRACT NO. 61H72				
ILLINOIS FED. AID PROJECT				



HAMPTON, LENZINI AND RENWICK, INC.
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 ILLINOIS PROFESSIONAL DESIGN FIRM
 I.S./P.E./S.E. CORP. 184-000959

USER NAME = emelchers
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 DATE -
 PLOT SCALE = 40,0000' / in.
 PLOT DATE = 4/1/2022

DESIGNED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BODE ROAD
SOIL EROSION AND SEDIMENT CONTROL
 SCALE: 1"=20'
 SHEET OF SHEETS STA. 112+00 TO STA. 124+00

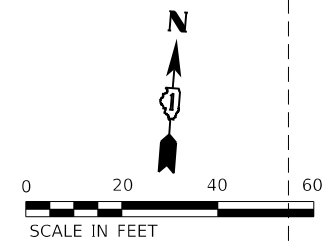
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1317 2582	21-00137-00-R5	COOK	72	27
CONTRACT NO. 61H72				
ILLINOIS		FED. AID PROJECT		

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MATCH LINE STA. 124+00

MATCH LINE STA. 130+00

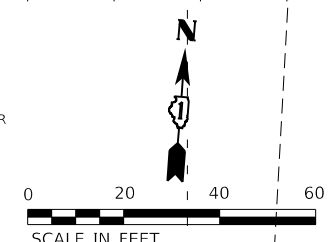
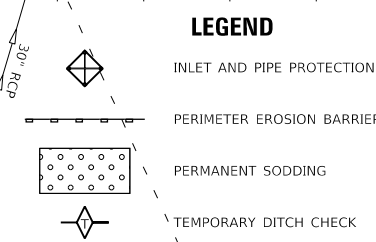
BODE ROAD



MATCH LINE STA. 130+00

MATCH LINE STA. 136+00

BODE ROAD



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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
L.S./P.E./S.E. CORP. 184-000959

USER NAME = emelchers
DESIGNED -
DRAWN - SMS
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DATE -
PLOT SCALE = 40,0000 ' / in.
PLOT DATE = 4/1/2022

DESIGNED -
DRAWN - SMS
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DATE -

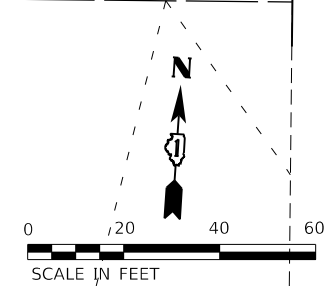
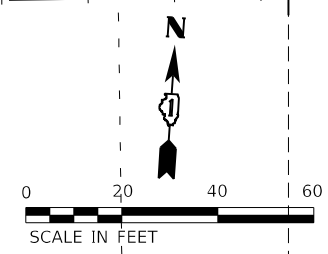
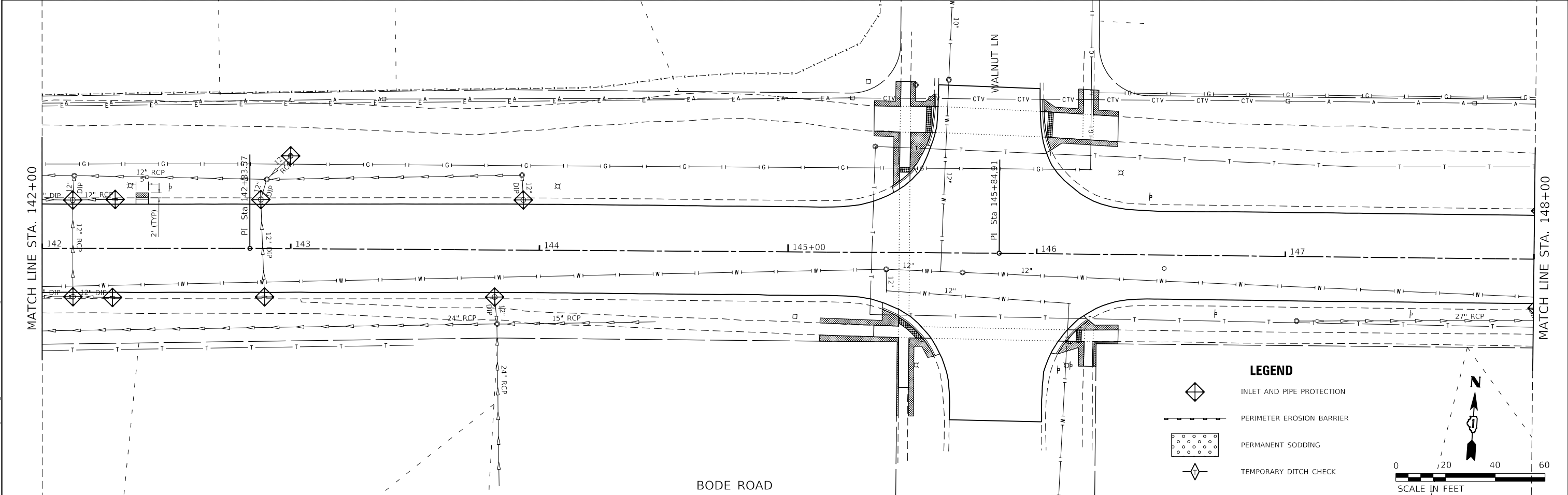
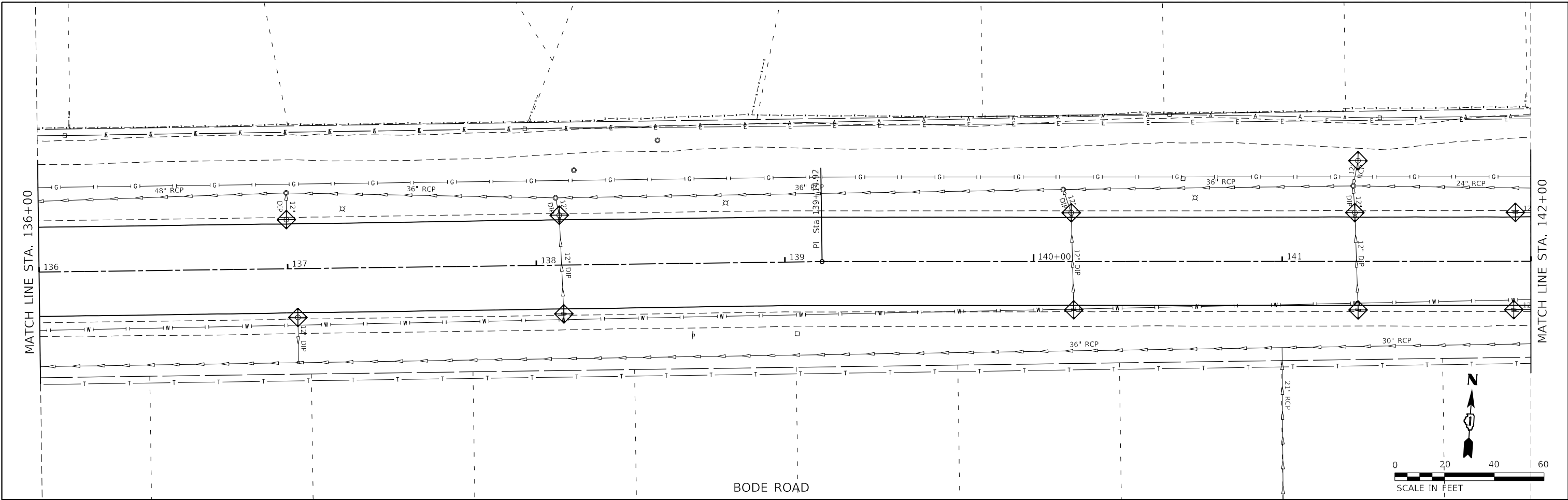
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BODE ROAD
SOIL EROSION AND SEDIMENT CONTROL**

SCALE: 1"=20' SHEET OF SHEETS STA. 124+00 TO STA. 136+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1317 2582	21-00137-00-R5	COOK	72	28
CONTRACT NO. 61H72				
ILLINOIS		FED. AID PROJECT		



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HAMPTON, LENZINI AND RENWICK, INC.
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 ILLINOIS PROFESSIONAL DESIGN FIRM
 I.S. / P.E. / S.E. CORP. 184-000959

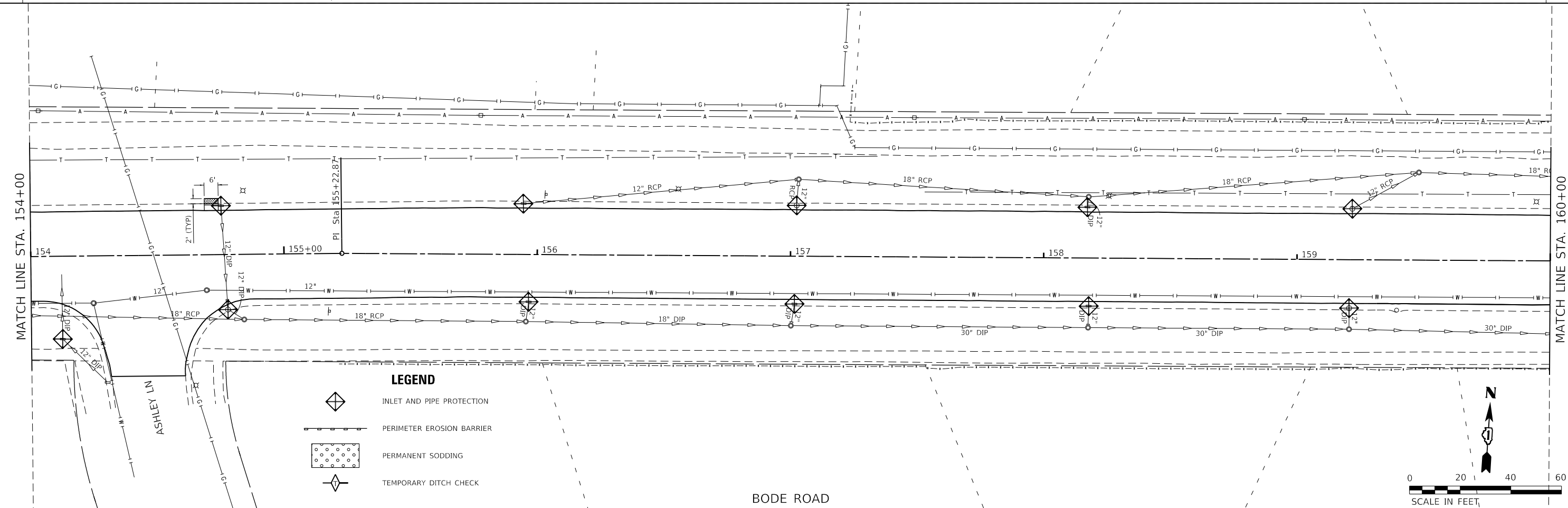
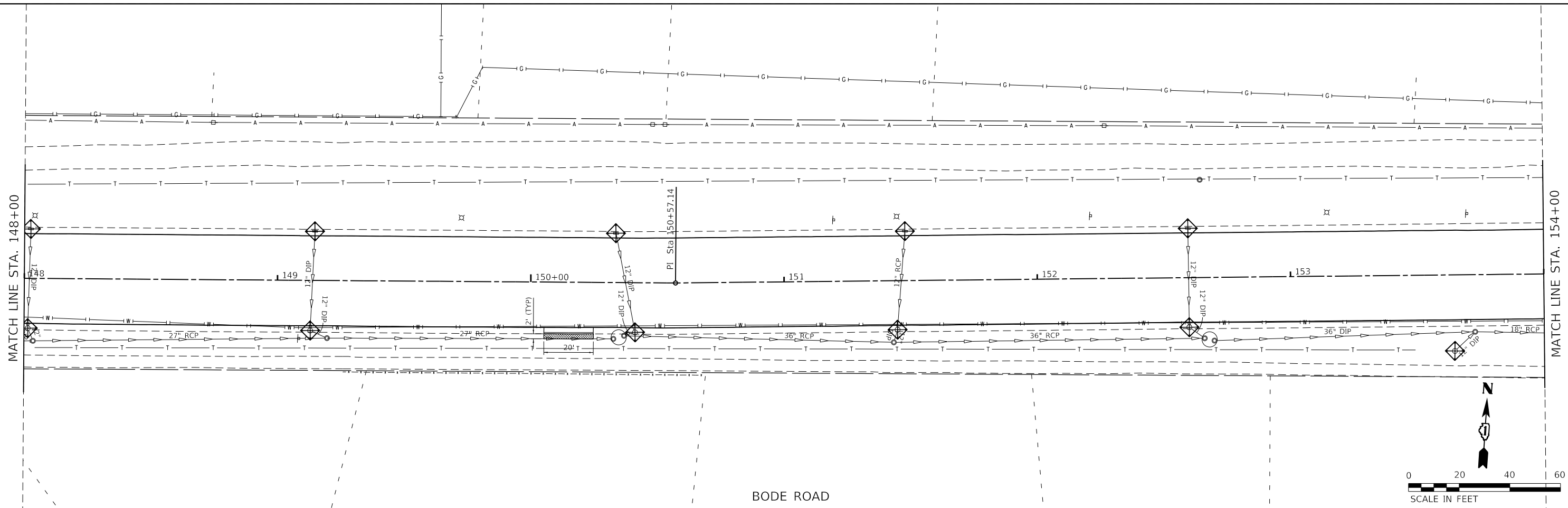
USER NAME = emelchers
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 DATE -
 PLOT SCALE = 40,0000 ' / in.
 PLOT DATE = 4/1/2022

DESIGNED -
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 CHECKED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BODE ROAD
SOIL EROSION AND SEDIMENT CONTROL
 SCALE: 1"=20'
 SHEET OF SHEETS STA. 136+00 TO STA. 148+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1317 2562	21-00137-00-R5	COOK	72	29
CONTRACT NO. 61H72				
ILLINOIS FED. AID PROJECT				



LEGEND

- INLET AND PIPE PROTECTION
- PERIMETER EROSION BARRIER
- PERMANENT SODDING
- TEMPORARY DITCH CHECK

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HAMPTON, LENZINI AND RENWICK, INC.
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 ILLINOIS PROFESSIONAL DESIGN FIRM
 I.S. / P.E. / S.E. CORP. 184-000959

USER NAME = emelchers
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 PLOT DATE = 4/1/2022

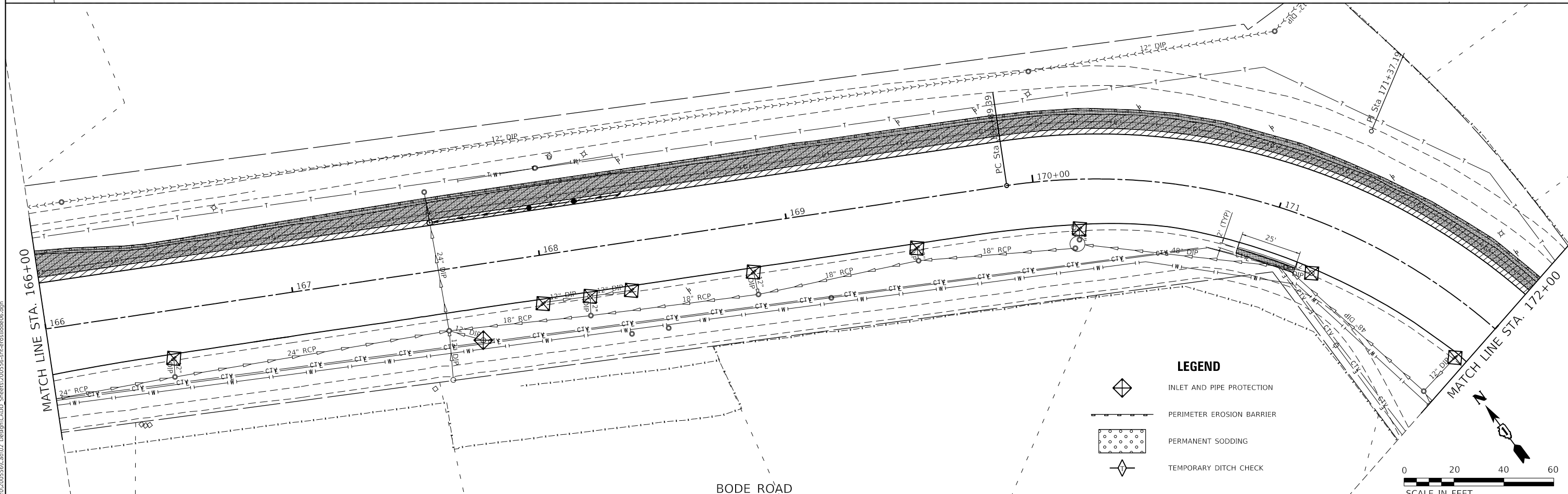
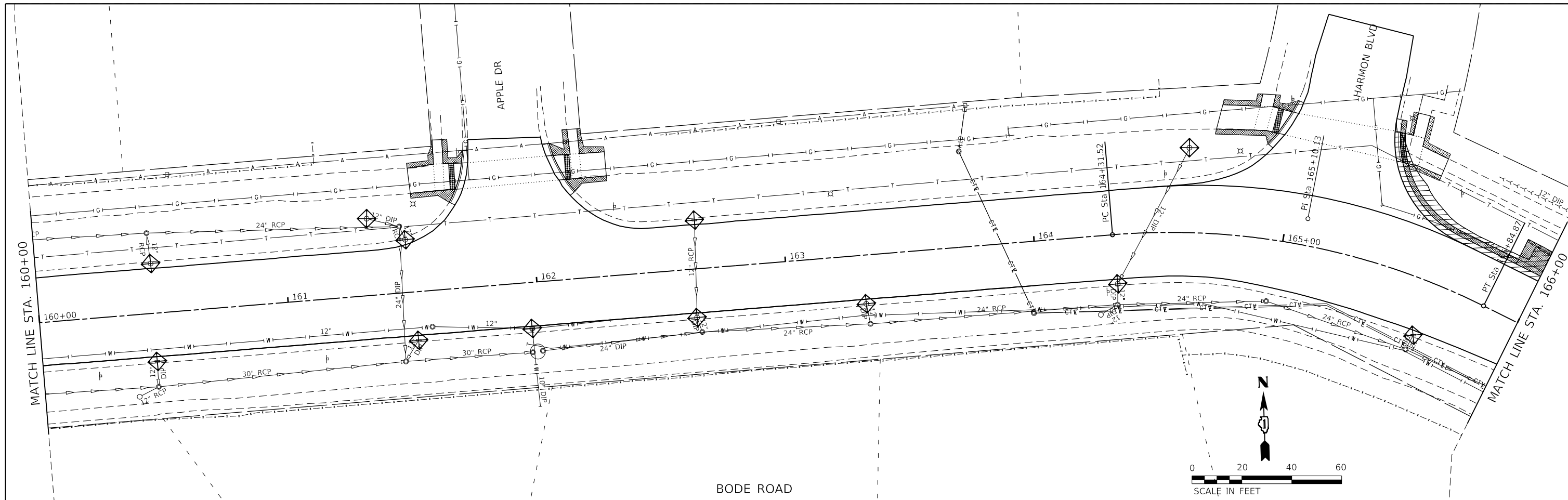
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

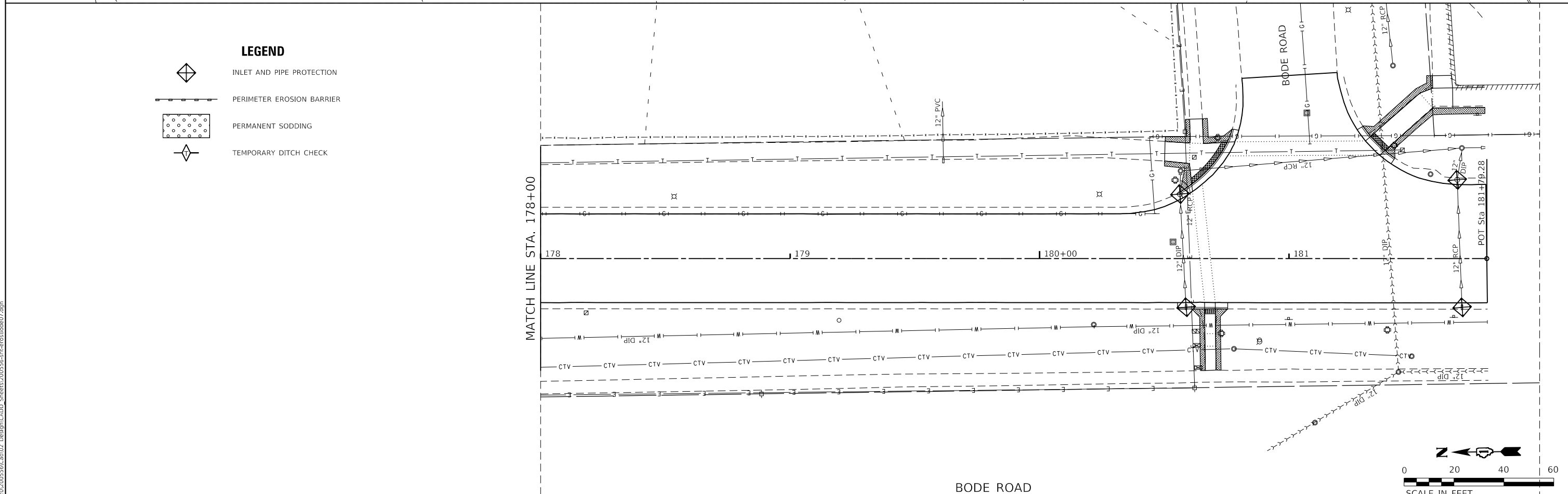
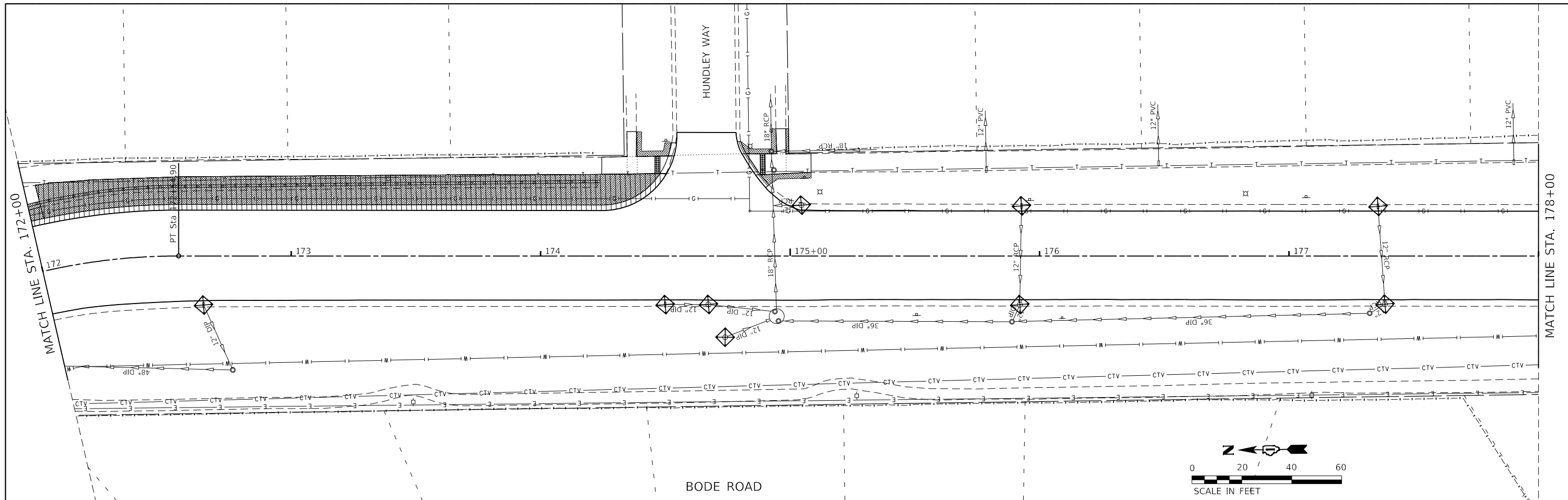
BODE ROAD
SOIL EROSION AND SEDIMENT CONTROL





SCALE: 1"=20' SHEET OF SHEETS STA. 148+00 TO STA. 160+00

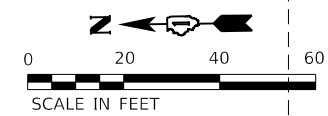
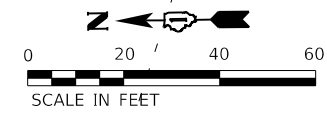
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1317 2582	21-00137-00-RS	COOK	72	30
CONTRACT NO. 61H72				
ILLINOIS FED. AID PROJECT				



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	PLOT SCALE = 40.0000 ' / in.	DRAWN - SMS	REVISED -			SCALE: 1"=20'	SHEET OF SHEETS STA. 160+00 TO STA. 172+00	CONTRACT NO. 61H72		
	PLOT DATE = 4/1/2022	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT				



- LEGEND**
-  INLET AND PIPE PROTECTION
 -  PERIMETER EROSION BARRIER
 -  PERMANENT SODDING
 -  TEMPORARY DITCH CHECK



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HAMPTON, LENZINI AND RENWICK, INC.
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 ILLINOIS PROFESSIONAL DESIGN FIRM
 I.S./P.E./S.E. CORP. 184-000959

USER NAME = emelchers
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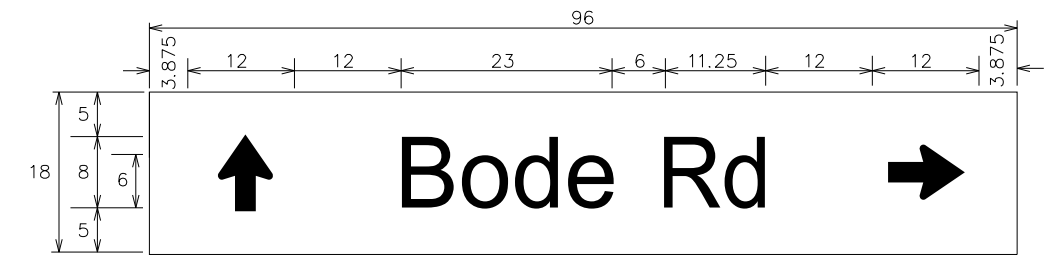
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BODE ROAD
SOIL EROSION AND SEDIMENT CONTROL

SCALE: 1"=20' SHEET OF SHEETS STA. 172+00 TO STA. 181+79.28

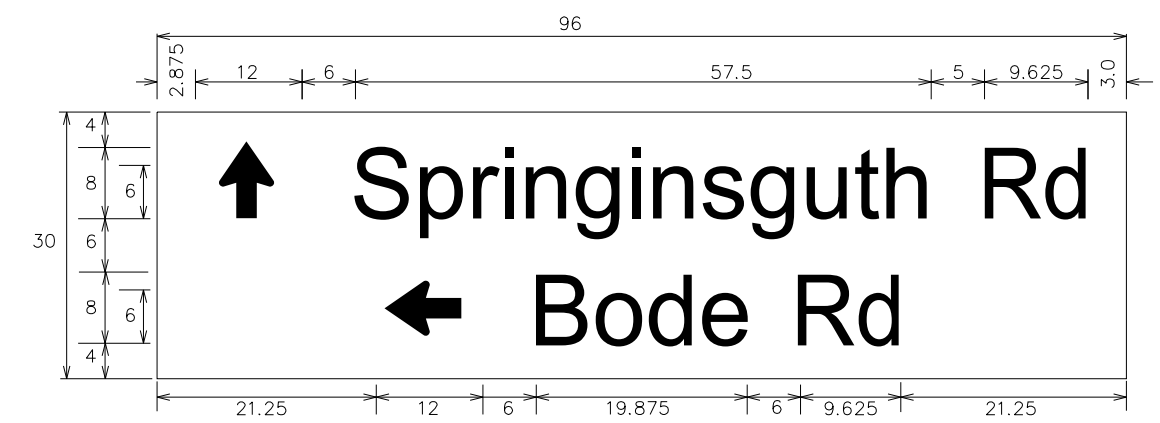
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1317 2582	21-00137-00-R5	COOK	72	32
CONTRACT NO. 61H72				
ILLINOIS FED. AID PROJECT				



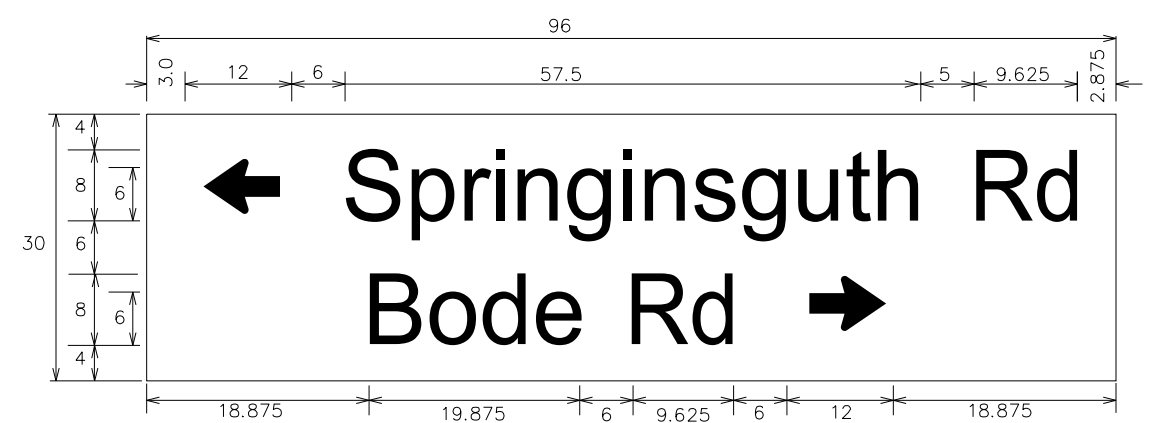
DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	12.0	1	ZZ	1

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY
SIGN PANEL - TYPE 1	SQ FT	52
REMOVE SIGN PANEL - TYPE 1	SQ FT	52
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	120
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	127
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	22
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
VIDEO DETECTION SYSTEM	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
C	20	1	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
C	20	1	ZZ	1

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HAMPTON, LENZINI AND RENWICK, INC.
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 ILLINOIS PROFESSIONAL DESIGN FIRM
 I.S./P.E./S.E. CORP. 184-000959

USER NAME = emelchers	DESIGNED - CNC	REVISED - 3/23/2022
PLOT SCALE = 40.0000 ' / in.	CHECKED - RCL	REVISED -
PLOT DATE = 4/1/2022	DATE - 11/21/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

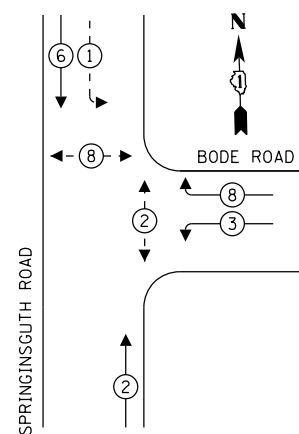
**BODE ROAD
 STREET NAME SIGNS AND SCHEDULE OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 1317 2562	SECTION 21-00137-00-R5	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 33
CONTRACT NO. 61H72				
ILLINOIS FED. AID PROJECT				



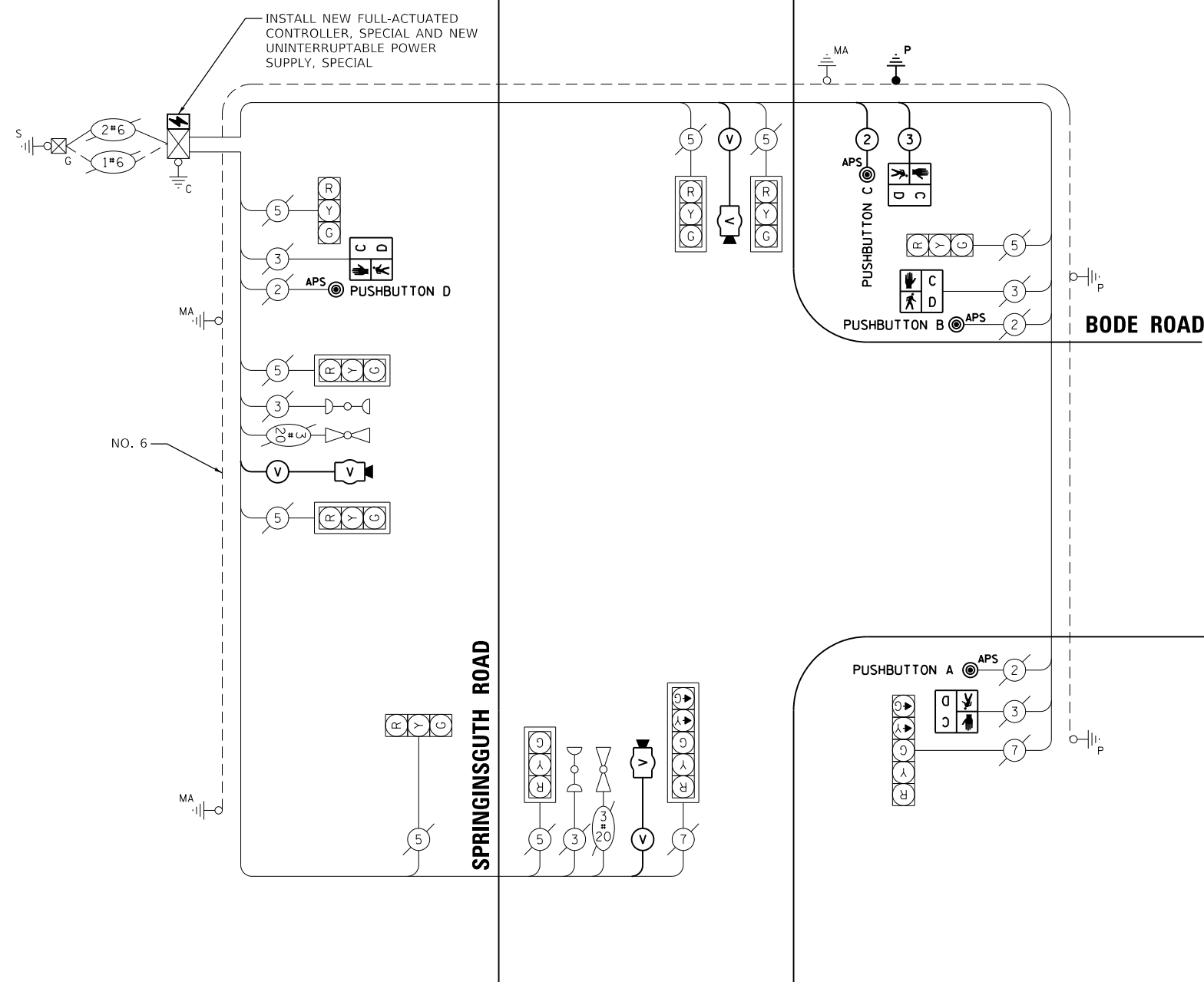
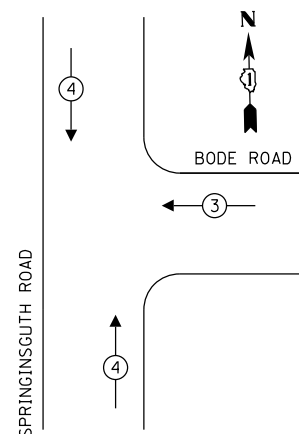
EXISTING AND PROPOSED CONTROLLER SEQUENCE



LEGEND:

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

EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	9	11	50	49.5
(YELLOW)	9	20	5	9.0
(GREEN)	9	12	45	48.6
PERMISSIVE ARROW	4	10	10	4.0
PED. SIGNAL	4	20	100	80.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				466.1

ENERGY COSTS TO:
 VILLAGE OF SCHAUMBURG
 101 SCHAUMBURG COURT
 SCHAUMBURG, IL 60193
 ENERGY SUPPLY: CONTACT: CHRISTIAN MUKARIA
 PHONE: 339-440-6254
 COMPANY: COMED
 ACCOUNT NUMBER: ---

HAMPTON, LENZINI AND RENWICK, INC.
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 ILLINOIS PROFESSIONAL DESIGN FIRM
 I.S./P.E./S.E. CORP. 184-000069

DESIGNED - CNC	REVISED - 3/23/2022
DRAWN - CNC	REVISED -
CHECKED - RCL	REVISED -
DATE - 11/21/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BODE ROAD
CABLE PLAN AND PHASE DESIGNATION DIAGRAM**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 1317 2562	SECTION 21-00137-00-R5	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 35
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

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

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 1 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TS-05		CONTRACT NO.		
ILLINOIS		FED. AID PROJECT		

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USER NAME = emelchers	DESIGNED -	REVISED -
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PLOT DATE = 4/1/2022		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

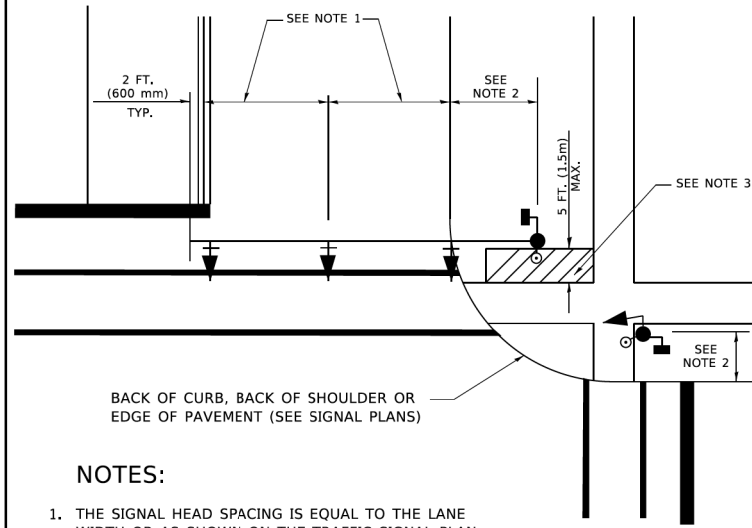
**BODE ROAD
IDOT DISTRICT 1 DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1317 2562	21-00137-00-R5	COOK	72	37
ILLINOIS		FED. AID PROJECT		
CONTRACT NO. 61H72				

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

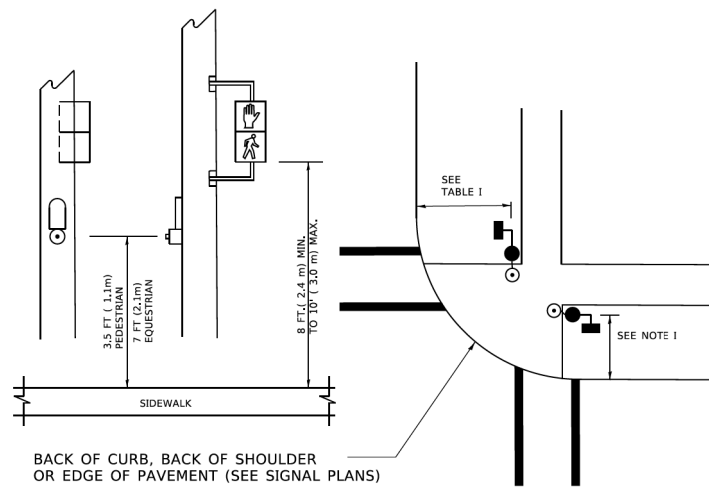
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

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

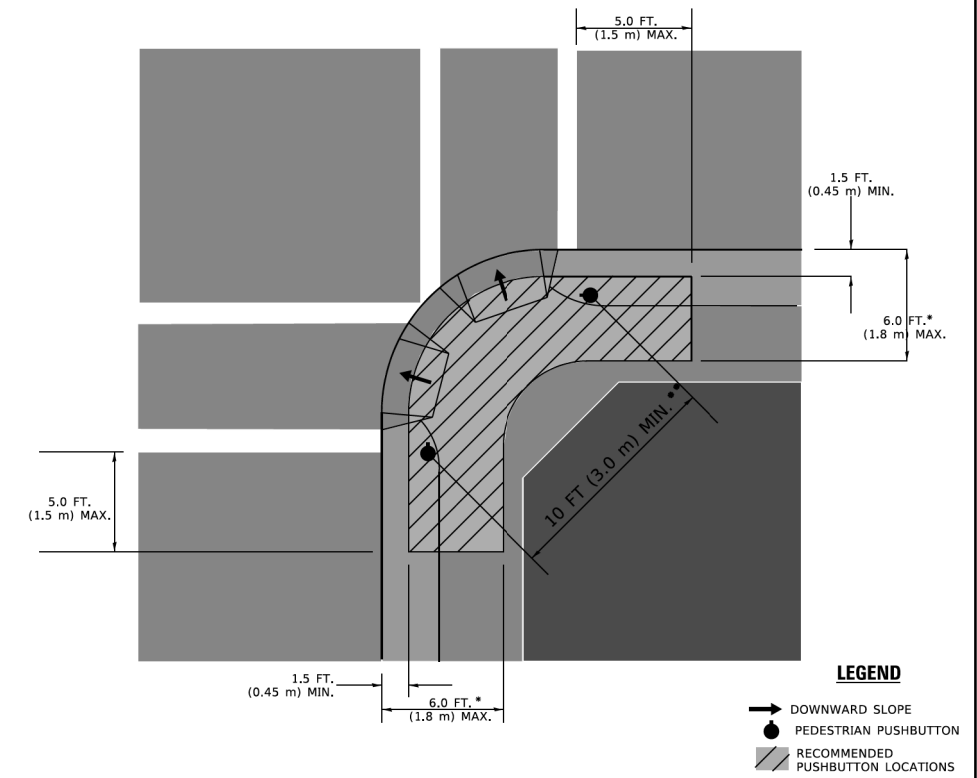
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



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

NOTES:

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

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

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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-05			
SCALE: NONE			SHEET 3 OF 7 SHEETS	STA. TO STA.
ILLINOIS FED. AID PROJECT				

MODEL: Detail
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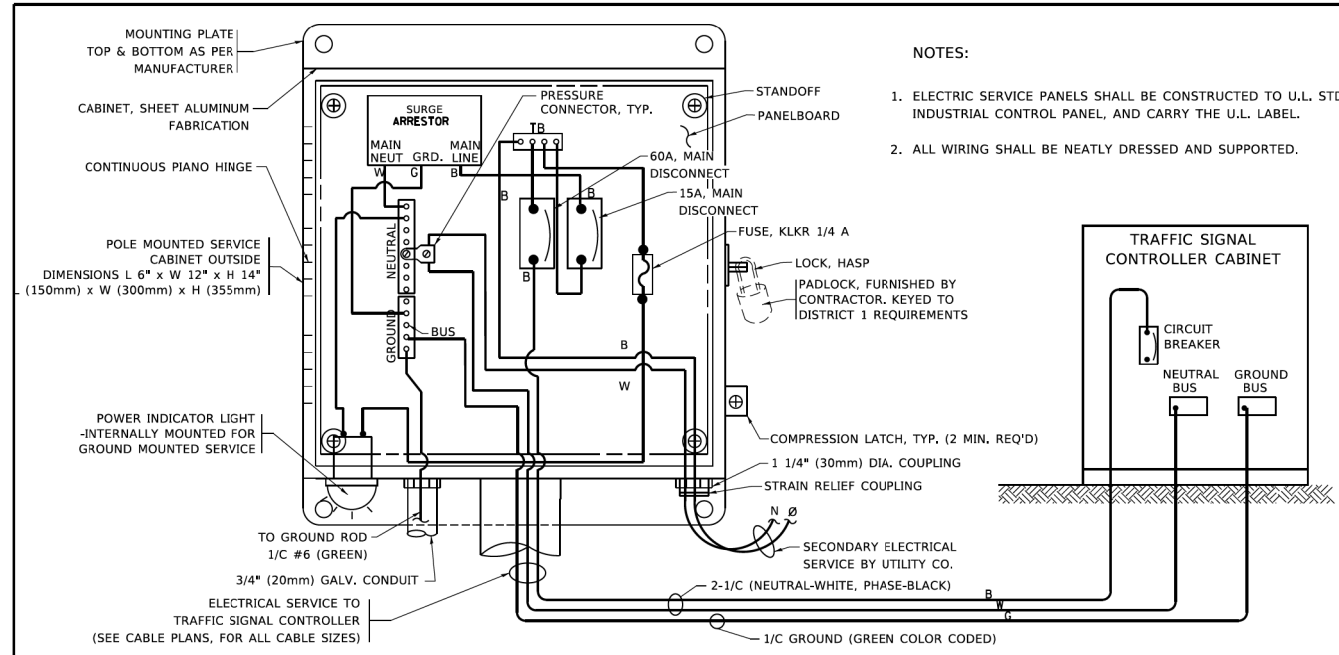
HAMPTON, LENZINI AND RENWICK, INC.
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ELGIN, ILLINOIS 60123
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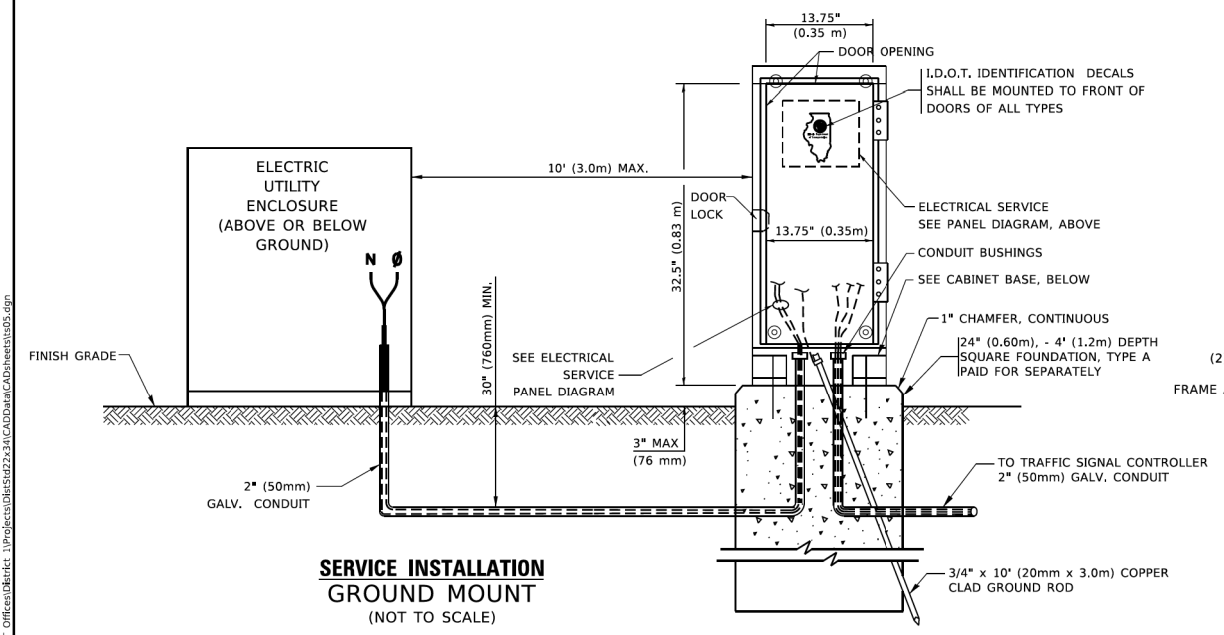
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BODE ROAD
IDOT DISTRICT 1 DETAILS**

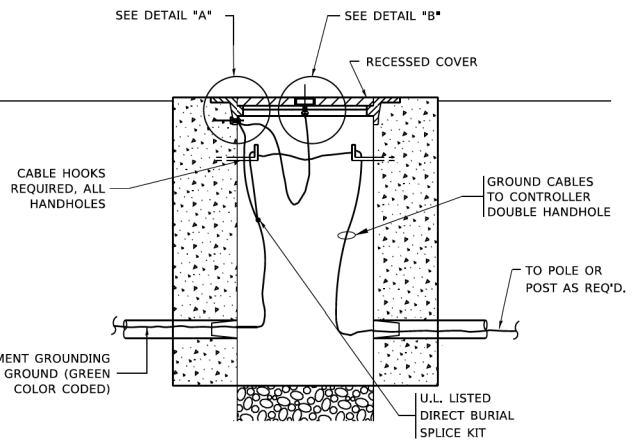
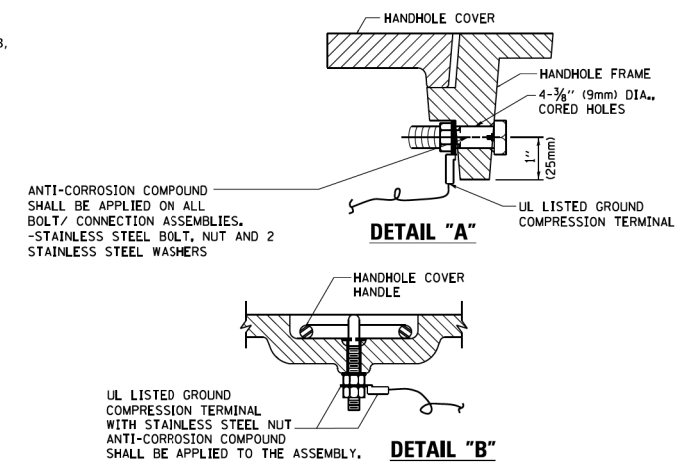
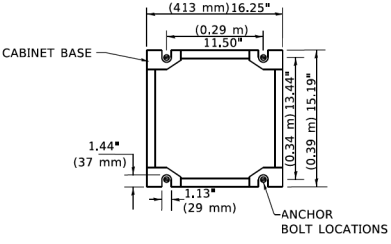
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SCALE:			SHEET OF SHEETS	STA. TO STA.
ILLINOIS FED. AID PROJECT				



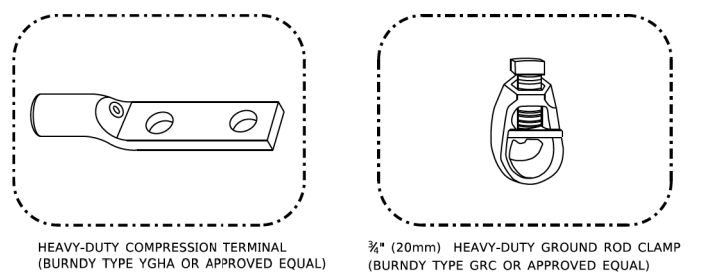
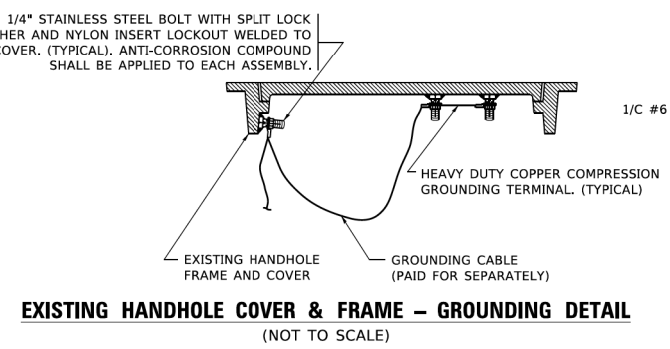
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SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



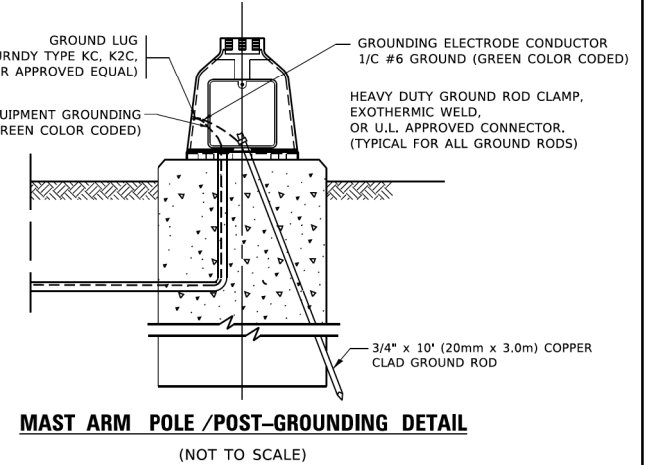
CABINET – BASE BOLT PATTERN
 (NOT TO SCALE)



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



- 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.



MAST ARM POLE /POST-GROUNDING DETAIL
 (NOT TO SCALE)

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
 STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TS-05		CONTRACT NO.		
ILLINOIS		FED. AID PROJECT		

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

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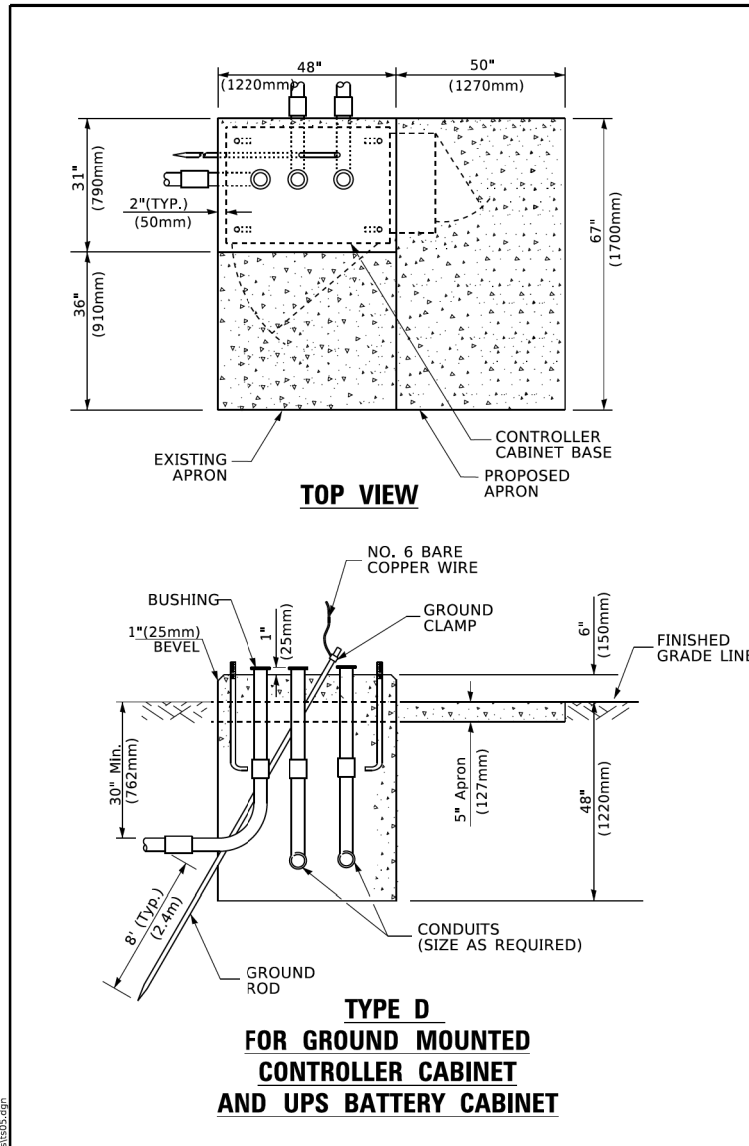
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	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

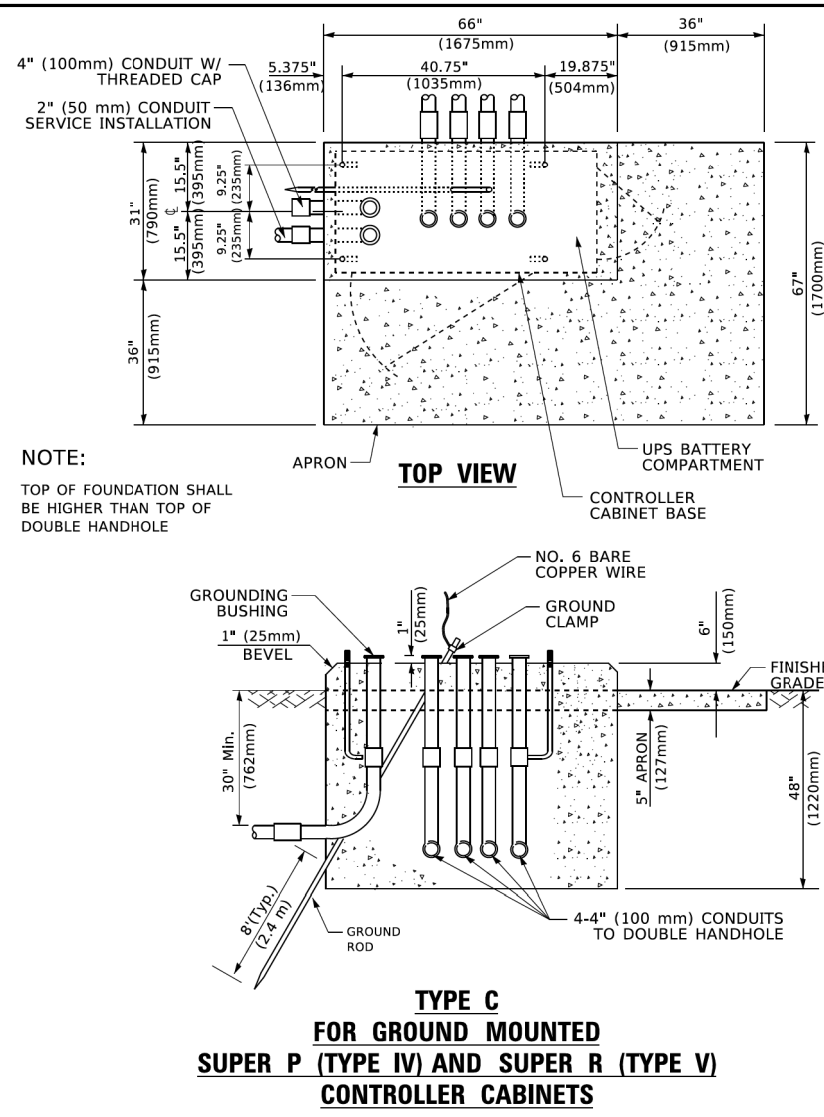
**BODE ROAD
 IDOT DISTRICT 1 DETAILS**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 61H72		
ILLINOIS		FED. AID PROJECT		

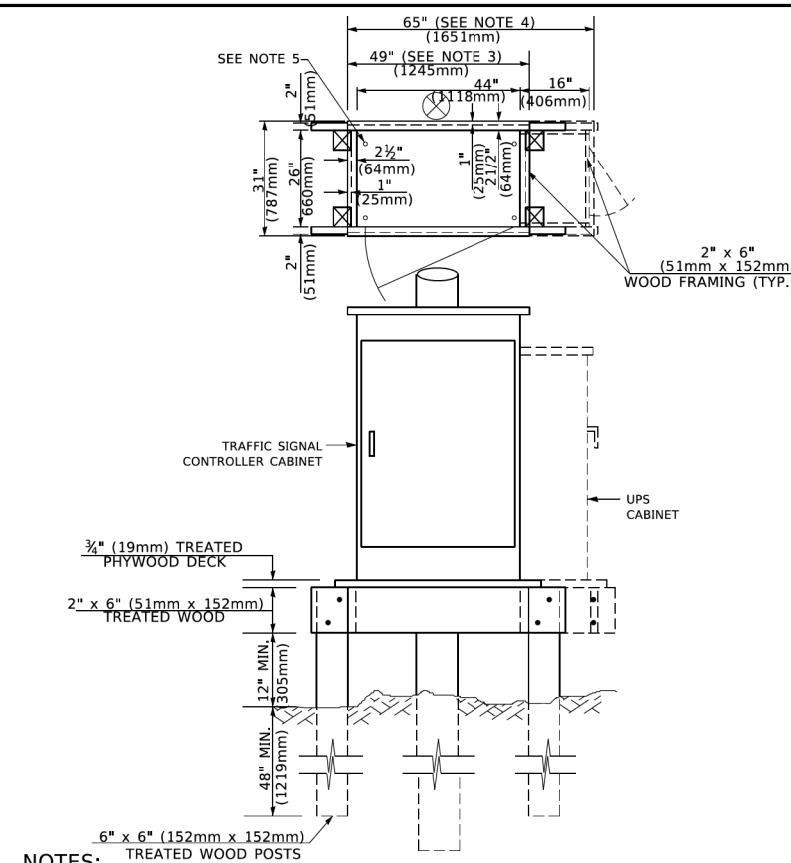
SCALE: SHEET OF SHEETS STA. TO STA.



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



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



- 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.

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

DEPTH OF FOUNDATION

MAST ARM LENGTH	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 up to 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) and up to 85' (25.9 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

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE	SHEET 5 OF 7 SHEETS	STA. TO STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				TS-05			
							CONTRACT NO.
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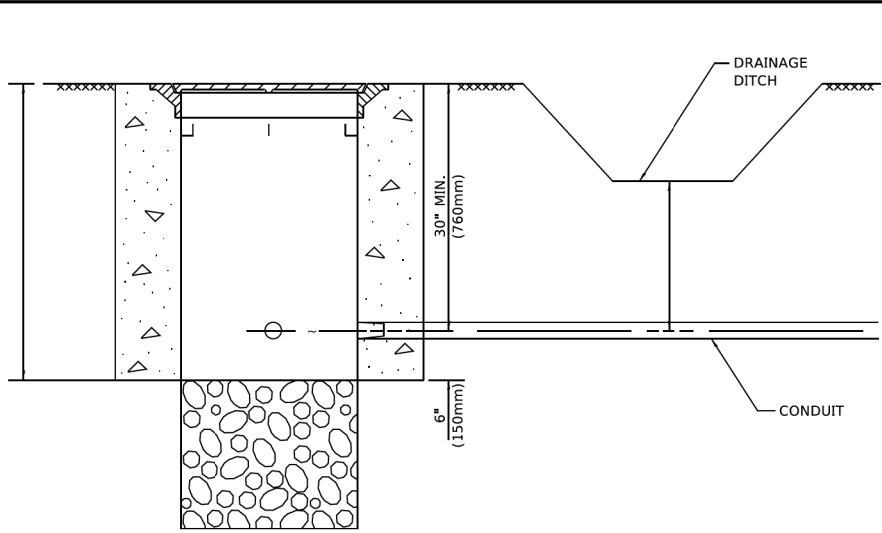
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BODE ROAD
IDOT DISTRICT 1 DETAILS**

SCALE:	SHEET OF SHEETS	STA. TO STA.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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							CONTRACT NO. 61H72
					ILLINOIS		FED. AID PROJECT

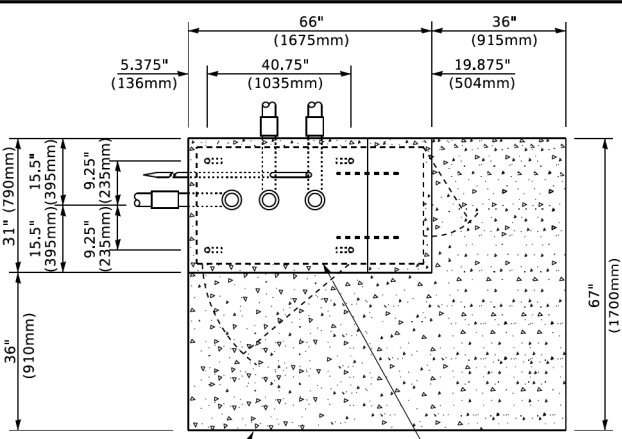
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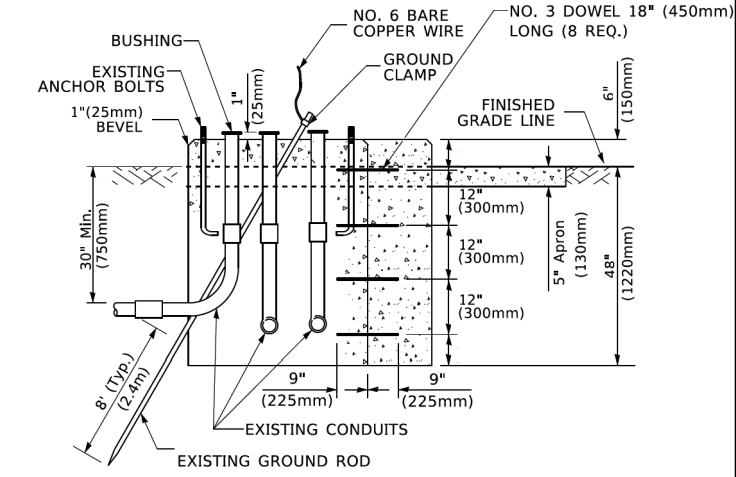
NOTES:

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

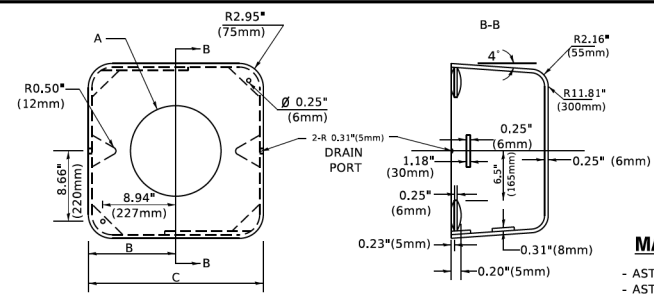
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



TOP VIEW
(NOT TO SCALE)



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



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

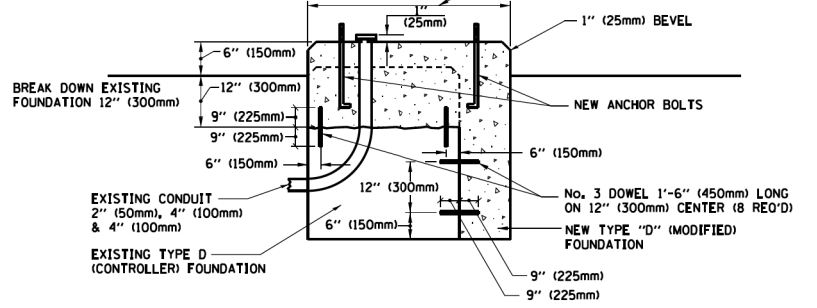
SHROUD

NOTES:

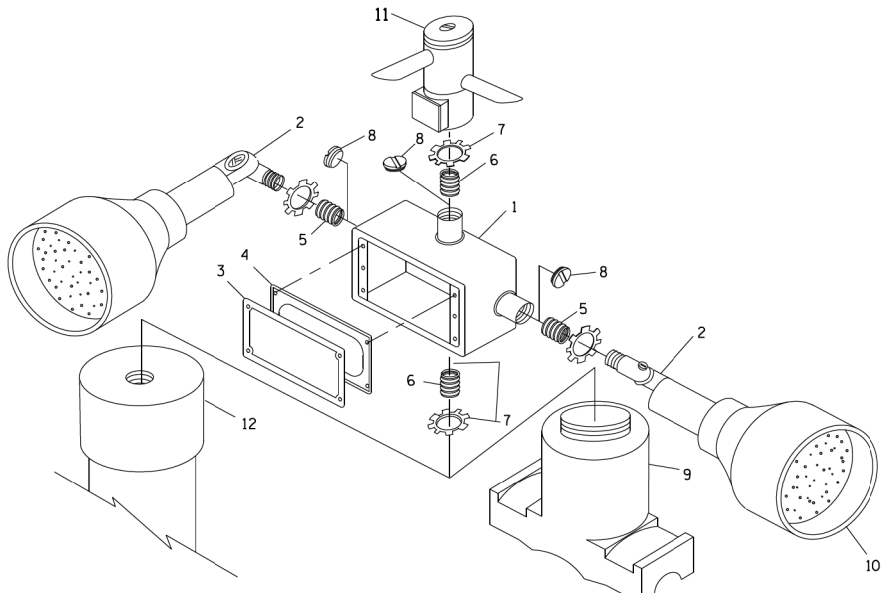
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION

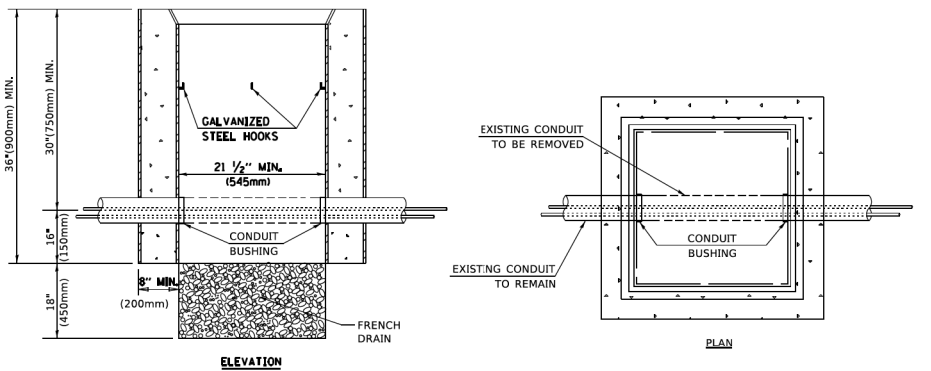


POST CAP MOUNT
MAST ARM MOUNT
EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0,000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4"(19 mm) CLOSE NIPPLE
7	3/4"(19 mm) LOCKNUT
8	3/4"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

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



NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT

USER NAME = foortemj	DESIGNED -	REVISED -
PLOT SCALE = 50,0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 3/4/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS
SCALE: NONE SHEET 6 OF 7 SHEETS STA. TO STA.

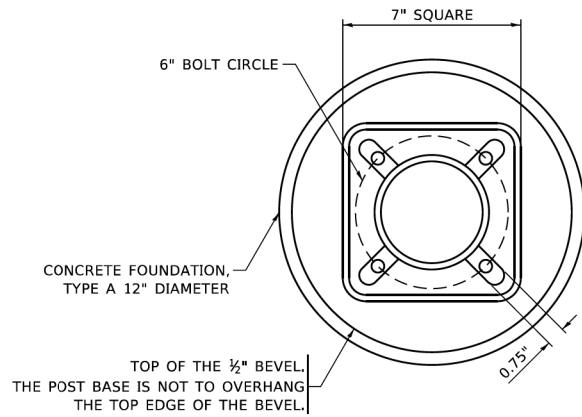
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-05			
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BODE ROAD
IDOT DISTRICT 1 DETAILS
SCALE: SHEET OF SHEETS STA. TO STA.

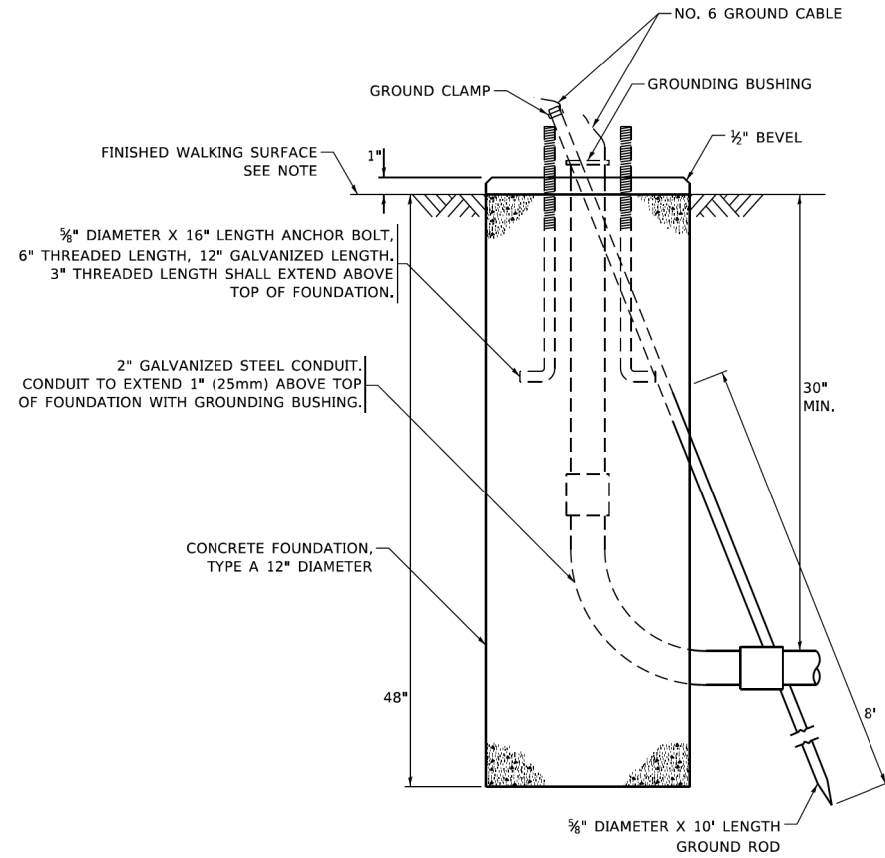
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1317 2562	21-00137-00-R5	COOK	72	41
CONTRACT NO. 61H72				
ILLINOIS FED. AID PROJECT				



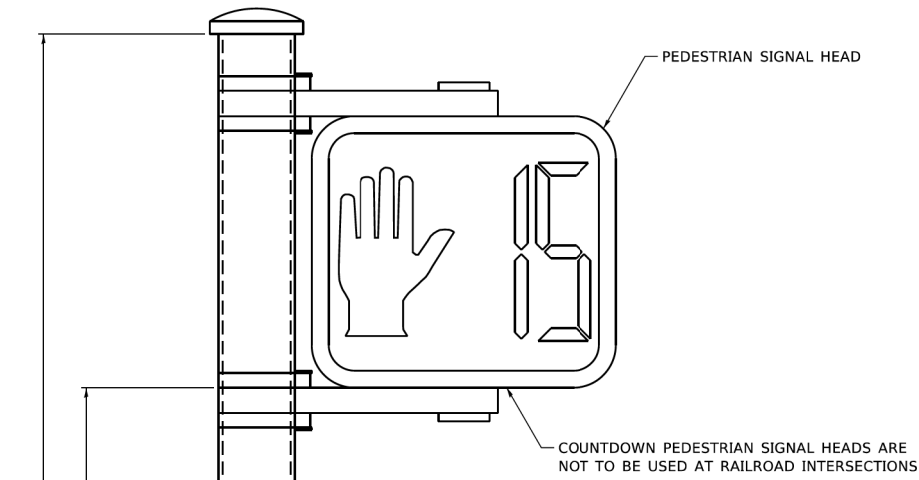
BOLT PATTERN

NOTE:

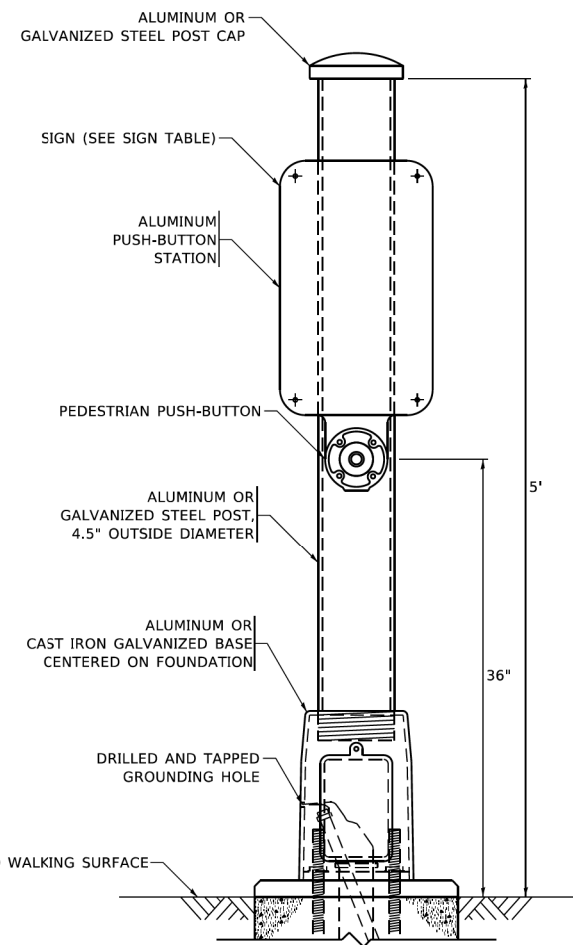
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



**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.

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	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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TS-05		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

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HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM L.S./P.E./S.E. CORP. 184-000959

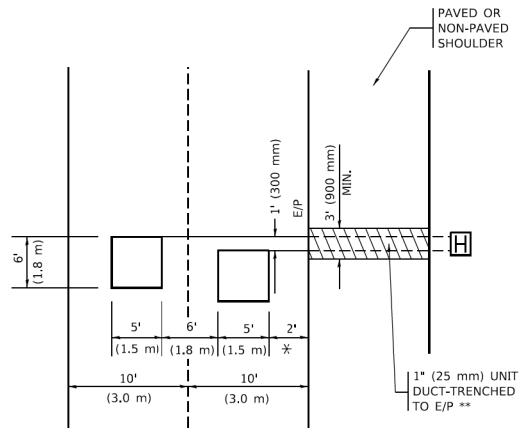
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	DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
BODE ROAD IDOT DISTRICT 1 DETAILS
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1317 2562	21-00137-00-R5	COOK	72	42
TS-05		CONTRACT NO. 61H72		
ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.



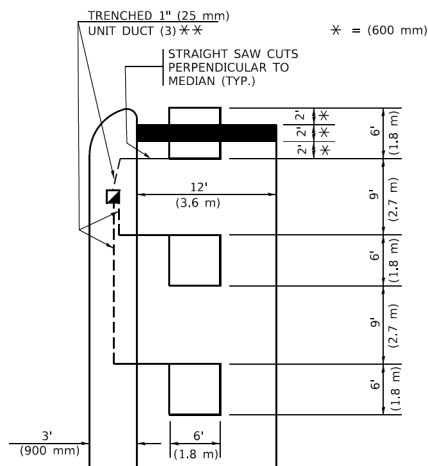
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

LEFT TURN LANES WITH MEDIANS

VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH (PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTAINABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



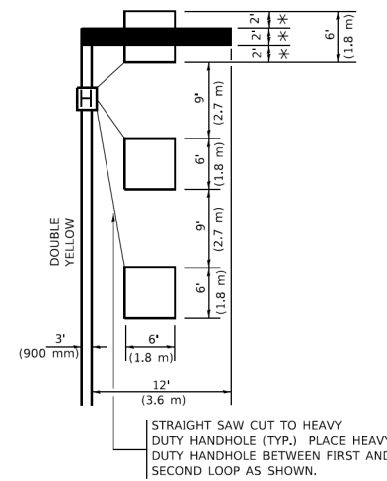
** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

LEFT TURN LANES WITHOUT MEDIANS

VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH (PROTECTED / PERMITTED LEFT TURN PHASING)

* = (600 mm)



NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

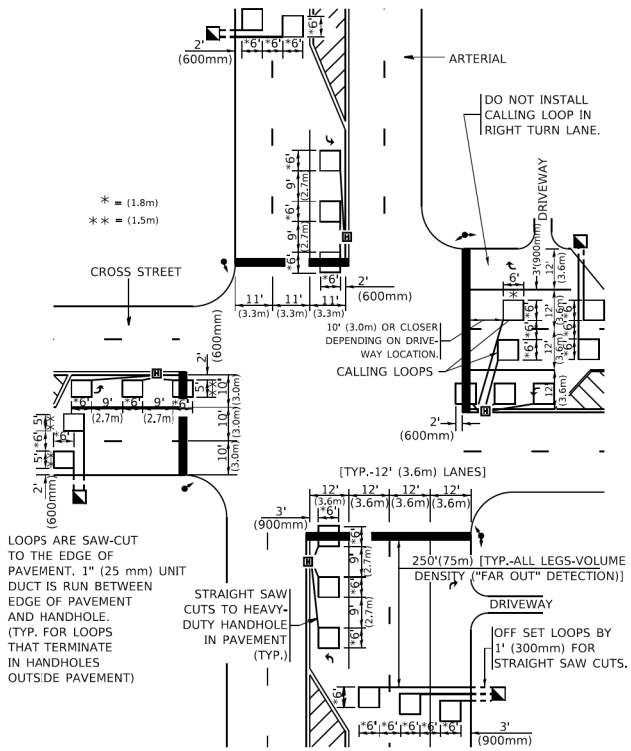
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

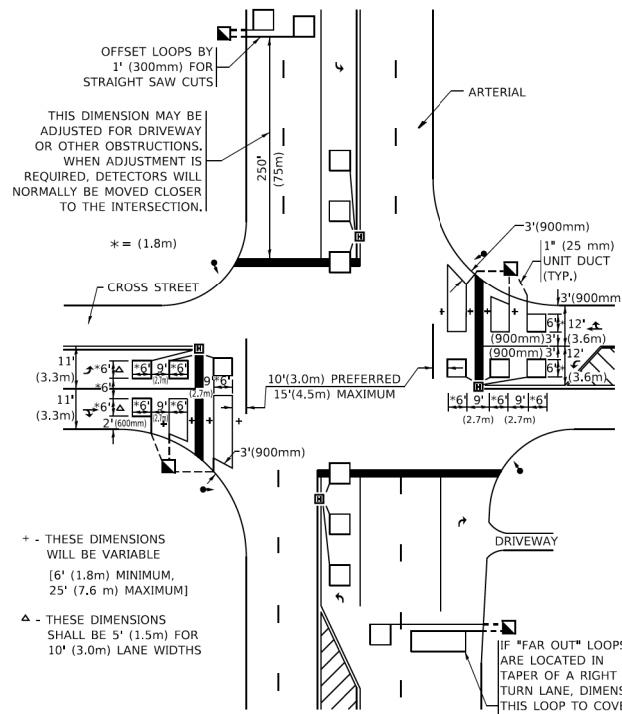
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION) CROSS STREET-NON VOLUME DENSITY ("FAR OUT" DETECTION)



DETAIL 1
N.T.S.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION) CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)



DETAIL 2
N.T.S.

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PLOT DATE = 3/4/2019	CHECKED - R.K.F.	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-07			
SCALE: NONE		SHEET 1 OF 1 SHEETS		STA. TO STA.
ILLINOIS FED. AID PROJECT				

MODEL: D:\hmr\... FILE NAME: P:\2022\202556\CAD\03_Design\CADD_Sheets\202556-ct-15-kt-15-for details.dgn

HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
L.S./P.E./S.E. CORP. 184.000059

USER NAME = emelchers	DESIGNED -	REVISED -
PLOT SCALE = 2,000.0' / in.	DRAWN - SMS	REVISED -
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BODE ROAD
IDOT DISTRICT 1 DETAILS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1317 2582	21-00137-00-RS	COOK	72	43
SCALE:		SHEET OF SHEETS		STA. TO STA.
ILLINOIS FED. AID PROJECT				

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

	1	5	5	8	8	11	11	14	18	18	22	22	26	26	PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	CLEAR TO NORMAL SEQUENCE																			
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER																																				
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1I	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	1V	1W	1X	1Y	1Z	1AA	1BB	1CC	1DD	1EE	1FF	2	3				
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2 OR 3	1C	2	1E	1F	3	1H	2	1K	1L	3	2	1P	1Q	3	2 OR 3	1T	1U	2	1W	3	1Y	1Z	2	1BB	3	1DD	1EE	2	3						
MAIN STREET E/B END MAST ARM AND FAR LEFT SIGNALS	R ←Y	R	R	R	R	R	G ←G	G ←Y	G ←G	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◇		
MAIN STREET E/B FAR RIGHT SIGNAL	R	R	R	R	R	R	G	G	G	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◇	
MAIN STREET W/B END MAST ARM AND FAR LEFT SIGNALS	R ←Y	G ←G	G ←Y	G ←G	Y	R	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◇
MAIN STREET W/B FAR RIGHT SIGNAL	R	G	G	G	Y	R	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◇
CROSS STREET S/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G ←G	Y	R	G ←G	G ←Y	G	Y	R	G	R	G	R	G	◇
CROSS STREET S/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	G	G	Y	R	G	R	G	R	G	◇
CROSS STREET N/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G ←G	Y	R	G ←G	G ←Y	G	Y	R	G	R	G	R	G	◇
CROSS STREET N/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	G	Y	R	G	R	G	R	G	◇	
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON NORTHSIDE OF MAIN STREET	H	FH	H	FH	H	H	H	H	H	H	H	H	FH	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◇
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON SOUTHSIDE OF MAIN STREET	H	H	H	H	H	H	FH	H	FH	H	H	FH	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◇
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON EASTSIDE OF CROSS STREET	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	FH	H	H	FH	H	H	FH	H	H	H	H	H	H	◇
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON WESTSIDE OF CROSS STREET	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◇

◇ EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY INTERVAL AFTER EMERGENCY VEHICLE 2 OR 3 IS TERMINATED.

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EMERGENCY VEHICLE PREEMPTION
SEQUENCE OF OPERATION - MAIN STREET AND CROSS STREET**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-08			
SCALE:			SHEET 1 OF 2 SHEETS	STA. TO STA.
ILLINOIS FED. AID PROJECT				

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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
L.S./P.E./S.E. CORP. 184-000959

USER NAME = emelchers	DESIGNED -	REVISED -
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PLOT DATE = 4/1/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BODE ROAD
IDOT DISTRICT 1 DETAILS**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1317 2562	21-00137-00-R5	COOK	72	44
SCALE:			SHEET OF SHEETS	STA. TO STA.
ILLINOIS FED. AID PROJECT				

CONTRACT NO. 61H72

PROPOSED SEQUENCE OF OPERATION

MOVEMENT	1		1 + 6			2 + 5				2 + 6				3 + 7			3 + 8				4 + 7				4 + 8				F L A S H					
PHASE	1 + 5		1 + 6			2 + 5				2 + 6				3 + 7			3 + 8				4 + 7				4 + 8									
INTERVAL	1	2	3	4	5	6	7	8	9	10	11	12	13A	13B	14	15	16	17	18	19	20A	20B	21	22	23	24A	24B	25		26	27	28A	28B	
CHANGE TO		1+6	2+5	2+6	⊕	⊕	⊕	⊕	⊕	2+6	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	
MAIN STREET E/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
MAIN STREET E/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
MAIN STREET W/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
MAIN STREET W/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
CROSS STREET S/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
CROSS STREET S/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
CROSS STREET N/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
CROSS STREET N/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON NORTHSIDE OF MAIN STREET	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON SOUTHSIDE OF MAIN STREET	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON EASTSIDE OF CROSS STREET	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON WESTSIDE OF CROSS STREET	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H

* TO APPEAR ONLY UPON PUSHBUTTON ACTIVATION
 ** FLASHING [Symbol] IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE.
 THIS [Symbol] OR FLASHING [Symbol] INTERVAL MAY FINISH TIMING IN THE BIDIRECTIONAL STRAIGHT THROUGH MOVEMENT IF THE LEFT ARROW TIME IS NOT SUFFICIENT TO COMPLETE [Symbol] OR FLASHING [Symbol] INTERVALS.
 [Symbol] AND FLASHING [Symbol] TIMINGS TO BE SET ONLY ON PHASES WHERE [Symbol] AND FLASHING [Symbol] ARE INDICATED IN THE SEQUENCE OF OPERATION.
 P = ILLUMINATED PERSON = WALK
 FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK
 H = ILLUMINATED SOLID HAND = DON'T WALK

PHASE 2+6 SHALL BE PLACED ON RECALL.

NLT = "NO LEFT TURN" OR [Symbol]
 NRT = "NO RIGHT TURN" OR [Symbol]

PROPOSED RAILROAD PREEMPTION SEQUENCE OF OPERATION

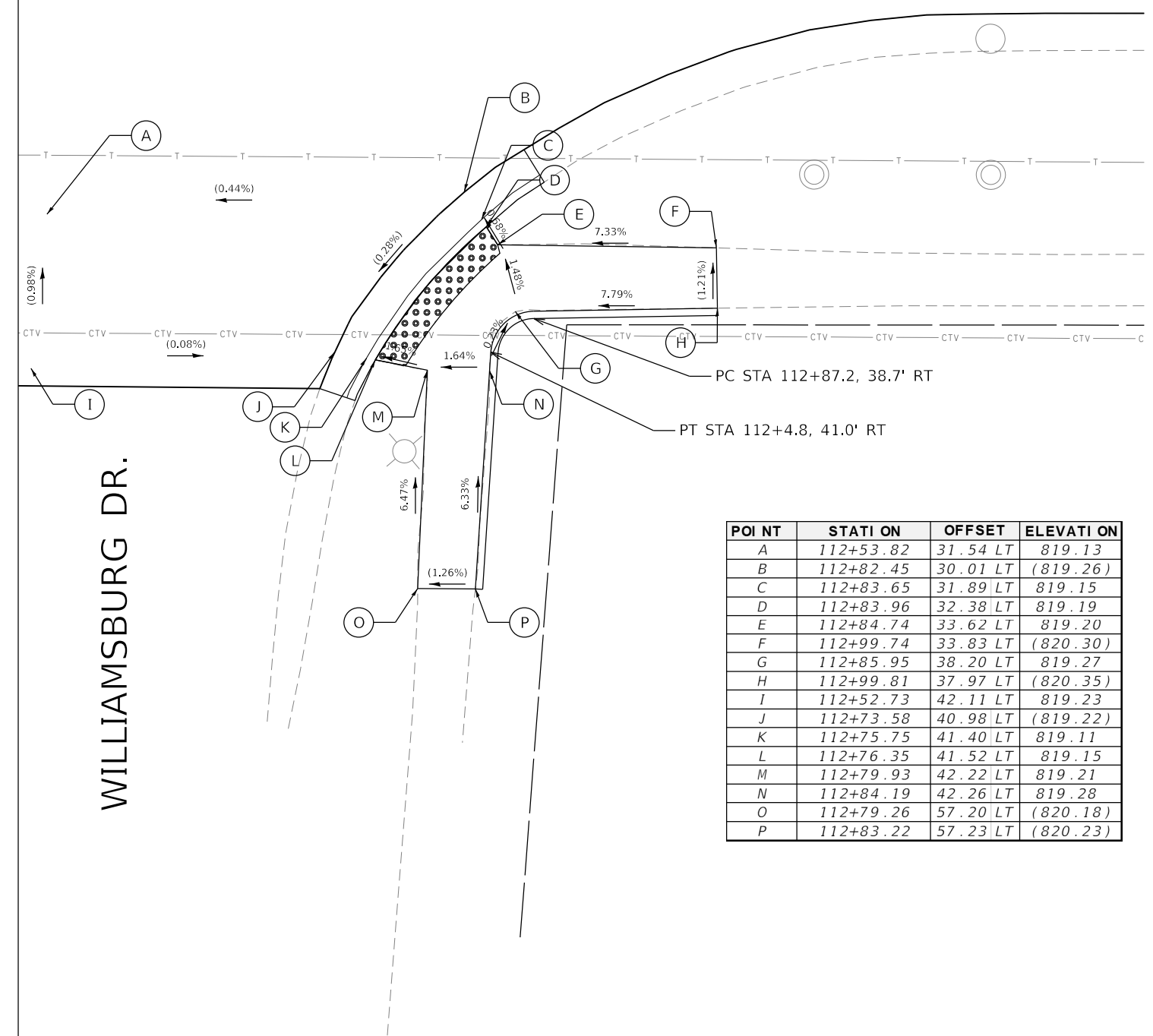
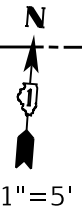
															PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	PREEMPTOR NUMBER 2								
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1	5	8	11	14	18	22	26																	
CHANGE FROM EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER															2	3									
RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1I	1J	1K	1L	1M	1N	1P	1Q	1R	1S	2	3	4	5	CLEAR TO NORMAL SEQUENCE		
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2	1C	2	1E	2	1G	2	2	1K	2	2	1N	2	1Q	2	1S	2	3	4	5					
MAIN STREET E/B END MAST ARM AND FAR LEFT SIGNALS	R	Y	R	R	R	Y	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	Δ		
MAIN STREET E/B FAR RIGHT SIGNAL	R	Y	R	R	R	Y	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	Δ		
MAIN STREET W/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	Y	R	Y	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	Δ		
MAIN STREET W/B FAR RIGHT SIGNAL	R	R	R	Y	R	Y	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	Δ		
CROSS STREET S/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Δ		
CROSS STREET S/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Δ		
CROSS STREET N/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Δ		
CROSS STREET N/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Δ		
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON NORTHSIDE OF MAIN STREET	H	FH	H	H	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	Δ		
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON SOUTHSIDE OF MAIN STREET	H	H	H	FH	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	Δ		
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON EASTSIDE OF CROSS STREET	H	H	H	H	H	H	H	H	FH	H	H	FH	H	H	H	H	H	H	H	H	H	H	Δ		
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON WESTSIDE OF CROSS STREET	H	H	H	H	H	H	H	H	FH	FH	H	H	H	H	H	H	H	H	H	H	H	H	Δ		
INTERNALLY ILLUMINATED NRT SIGNS	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	Δ		
INTERNALLY ILLUMINATED NLT SIGNS	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	Δ		

Δ RAILROAD PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY AN EMERGENCY VEHICLE INTERVAL (IF APPLICABLE) AFTER RAILROAD PREEMPTION INTERVAL 5 IS TERMINATED.

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USER NAME = footemj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION - MAIN STREET AND CROSS STREET		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -		SCALE:	SHEET 2 OF 2 SHEETS	STA.	TO STA.	TS-08			
PLOT DATE = 3/4/2019	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

BODE ROAD



POI NT	STATI ON	OFFSET	ELEVATI ON
A	112+53.82	31.54 LT	819.13
B	112+82.45	30.01 LT	(819.26)
C	112+83.65	31.89 LT	819.15
D	112+83.96	32.38 LT	819.19
E	112+84.74	33.62 LT	819.20
F	112+99.74	33.83 LT	(820.30)
G	112+85.95	38.20 LT	819.27
H	112+99.81	37.97 LT	(820.35)
I	112+52.73	42.11 LT	819.23
J	112+73.58	40.98 LT	(819.22)
K	112+75.75	41.40 LT	819.11
L	112+76.35	41.52 LT	819.15
M	112+79.93	42.22 LT	819.21
N	112+84.19	42.26 LT	819.28
O	112+79.26	57.20 LT	(820.18)
P	112+83.22	57.23 LT	(820.23)

LEGEND ON SHEET 2

MODEL: D:\p1\11202020556\Cad02_Draft\CADD_Sheets\200556-ct-ADA_Bode01.dgn

HAMPTON, LENZINI AND RENWICK, INC.
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 ILLINOIS PROFESSIONAL DESIGN FIRM
 I.S./P.E./S.E. CORP. 184-000959

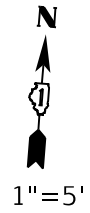
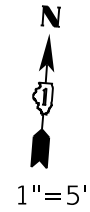
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	DRAWN - AC	REVISED -
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PLOT DATE = 4/1/2022	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

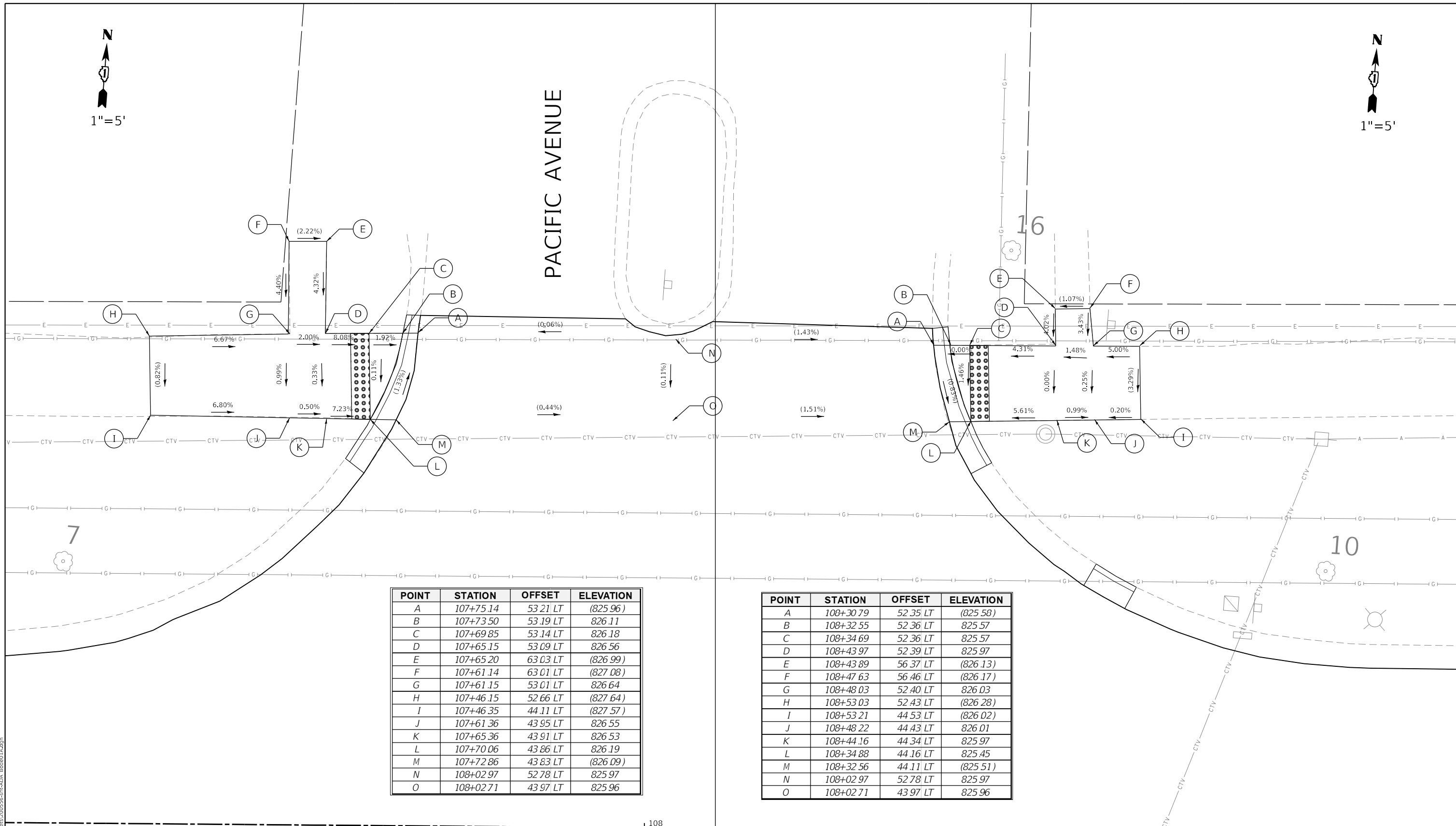
**BODE ROAD ROADWAY IMPROVEMENTS
 CROSSWALK GRADING PLANS:
 WILLIAMSBURG DRIVE**

SCALE: 1"=5' SHEET 1 OF 16 SHEETS STA. TO STA.

F.A.U. RTE. 1317 2582	SECTION 21-00137-00-RS	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 46
				CONTRACT NO. 61H72
		ILLINOIS	FED. AID PROJECT	



PACIFIC AVENUE



POINT	STATION	OFFSET	ELEVATION
A	107+75.14	53.21 LT	(825.96)
B	107+73.50	53.19 LT	826.11
C	107+69.85	53.14 LT	826.18
D	107+65.15	53.09 LT	826.56
E	107+65.20	63.03 LT	(826.99)
F	107+61.14	63.01 LT	(827.08)
G	107+61.15	53.01 LT	826.64
H	107+46.15	52.66 LT	(827.64)
I	107+46.35	44.11 LT	(827.57)
J	107+61.36	43.95 LT	826.55
K	107+65.36	43.91 LT	826.53
L	107+70.06	43.86 LT	826.19
M	107+72.86	43.83 LT	(826.09)
N	108+02.97	52.78 LT	825.97
O	108+02.71	43.97 LT	825.96

POINT	STATION	OFFSET	ELEVATION
A	108+30.79	52.35 LT	(825.58)
B	108+32.55	52.36 LT	825.57
C	108+34.69	52.36 LT	825.57
D	108+43.97	52.39 LT	825.97
E	108+43.89	56.37 LT	(826.13)
F	108+47.63	56.46 LT	(826.17)
G	108+48.03	52.40 LT	826.03
H	108+53.03	52.43 LT	(826.28)
I	108+53.21	44.53 LT	(826.02)
J	108+48.22	44.43 LT	826.01
K	108+44.16	44.34 LT	825.97
L	108+34.88	44.16 LT	825.45
M	108+32.56	44.11 LT	(825.51)
N	108+02.97	52.78 LT	825.97
O	108+02.71	43.97 LT	825.96

BODE ROAD

LEGEND ON SHEET 2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

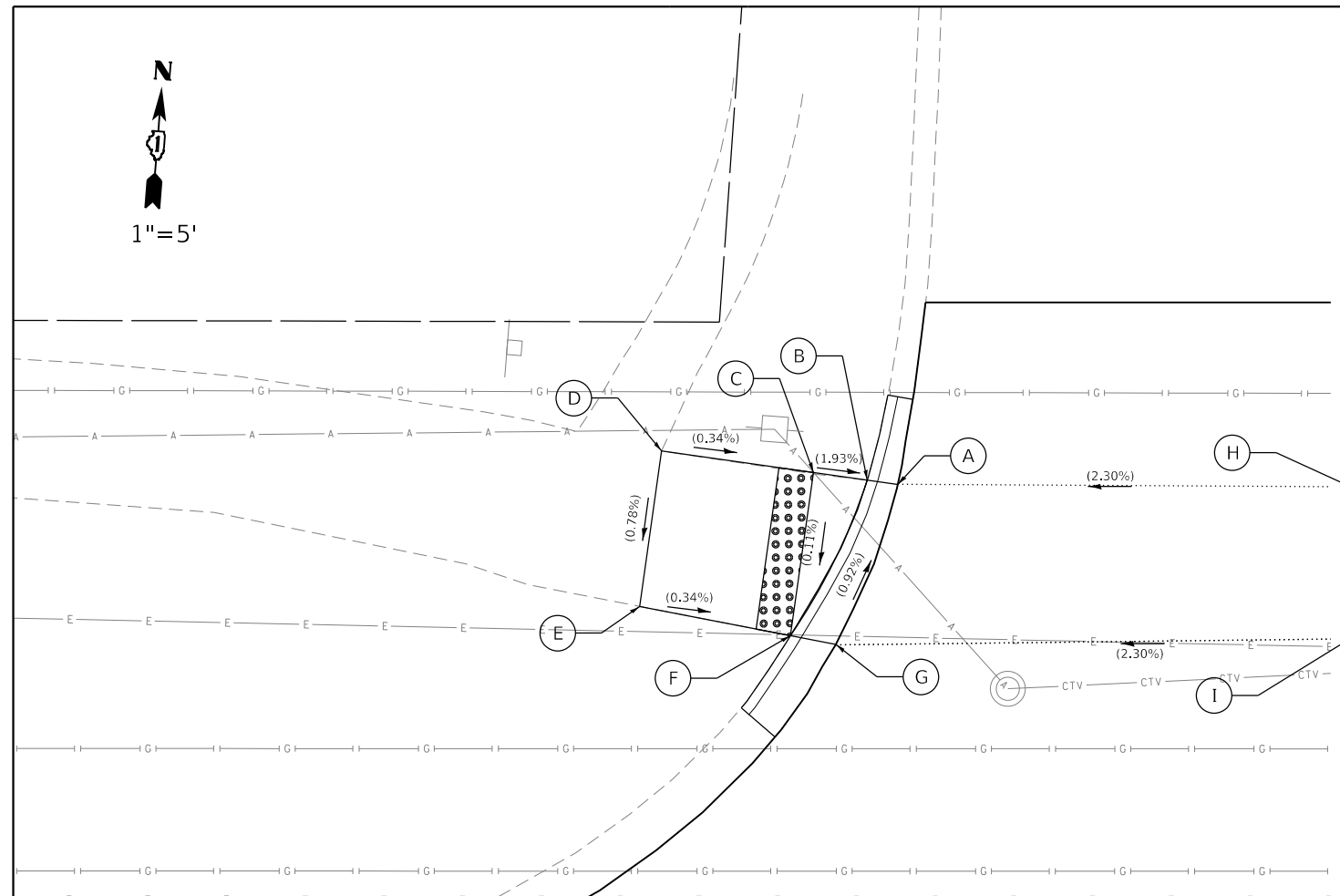
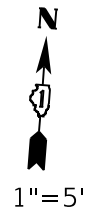
BODE ROAD ROADWAY IMPROVEMENTS
CROSSWALK GRADING PLANS:
PACIFIC AVENUE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1317 2582	21-00137-00-RS	COOK	72	47
CONTRACT NO. 61H72				

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

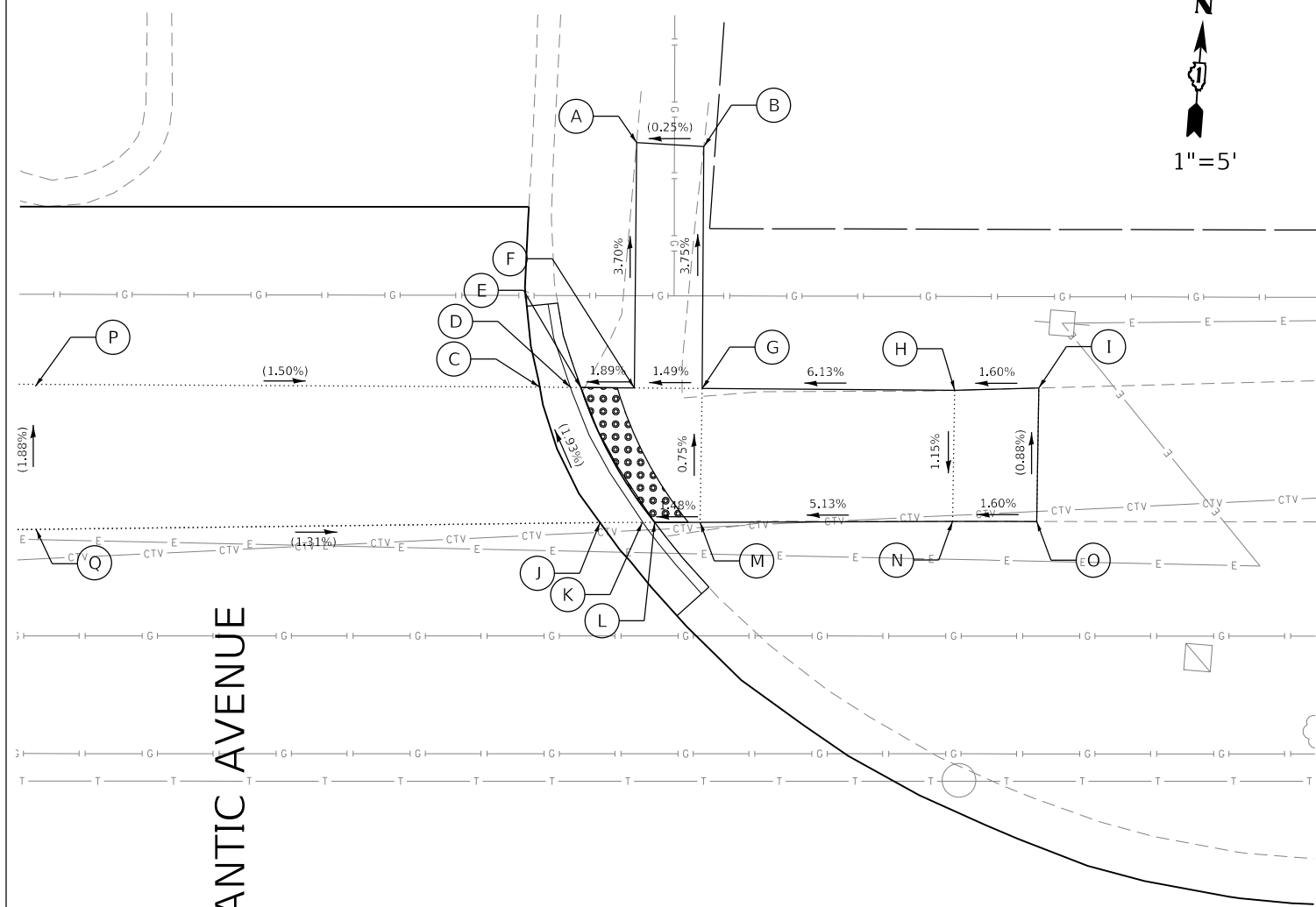
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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
L.S./P.E./S.E. CORP. 154.000959



POINT	STATION	OFFSET	ELEVATION
A	114+37.43	49.11 LT	(820.88)
B	114+35.70	49.36 LT	(820.86)
C	114+32.63	49.79 LT	(820.92)
D	114+23.95	51.01 LT	(820.89)
E	114+22.69	42.13 LT	(820.96)
F	114+31.31	40.46 LT	(820.93)
G	114+33.91	39.96 LT	(820.97)
H	114+67.36	48.83 LT	821.56
I	114+67.41	40.33 LT	821.72

BODE ROAD



POINT	STATION	OFFSET	ELEVATION
A	115+03.10	63.33 RT	(820.54)
B	115+07.09	63.10 RT	(820.55)
C	114+97.34	48.80 RT	821.11
D	114+99.17	48.78 RT	821.02
E	114+99.78	48.78 RT	821.06
F	115+02.96	48.75 RT	821.12
G	115+07.00	48.71 RT	821.18
H	115+22.00	48.61 RT	822.10
I	115+27.00	48.75 RT	(822.02)
J	115+00.93	40.74 RT	821.28
K	115+03.43	40.75 RT	821.15
L	115+04.18	40.75 RT	821.20
M	115+06.87	40.76 RT	821.24
N	115+21.87	40.82 RT	822.01
O	115+26.87	40.81 RT	(822.09)
P	114+67.36	48.83 RT	821.56
Q	114+67.41	40.33 RT	821.72

ATLANTIC AVENUE

BODE ROAD

LEGEND ON SHEET 2

MODEL: D:\p1\114\114-001\114-001-Crosswalks\CADD_Sheets\200556.ctb; ADA_Bore02.dgn

HAMPTON, LENZINI AND RENWICK, INC.
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 ILLINOIS PROFESSIONAL DESIGN FIRM
 I.S./P.E./S.E. CORP. 184-000959

USER NAME = emelchers	DESIGNED -	REVISED -
DRAWN - AC	REVISIONS -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 4/1/2022	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BODE ROAD ROADWAY IMPROVEMENTS
 CROSSWALK GRADING PLANS:
 ATLANTIC AVENUE**

SCALE: 1"=5' SHEET 2 OF 19 SHEETS STA. TO STA.

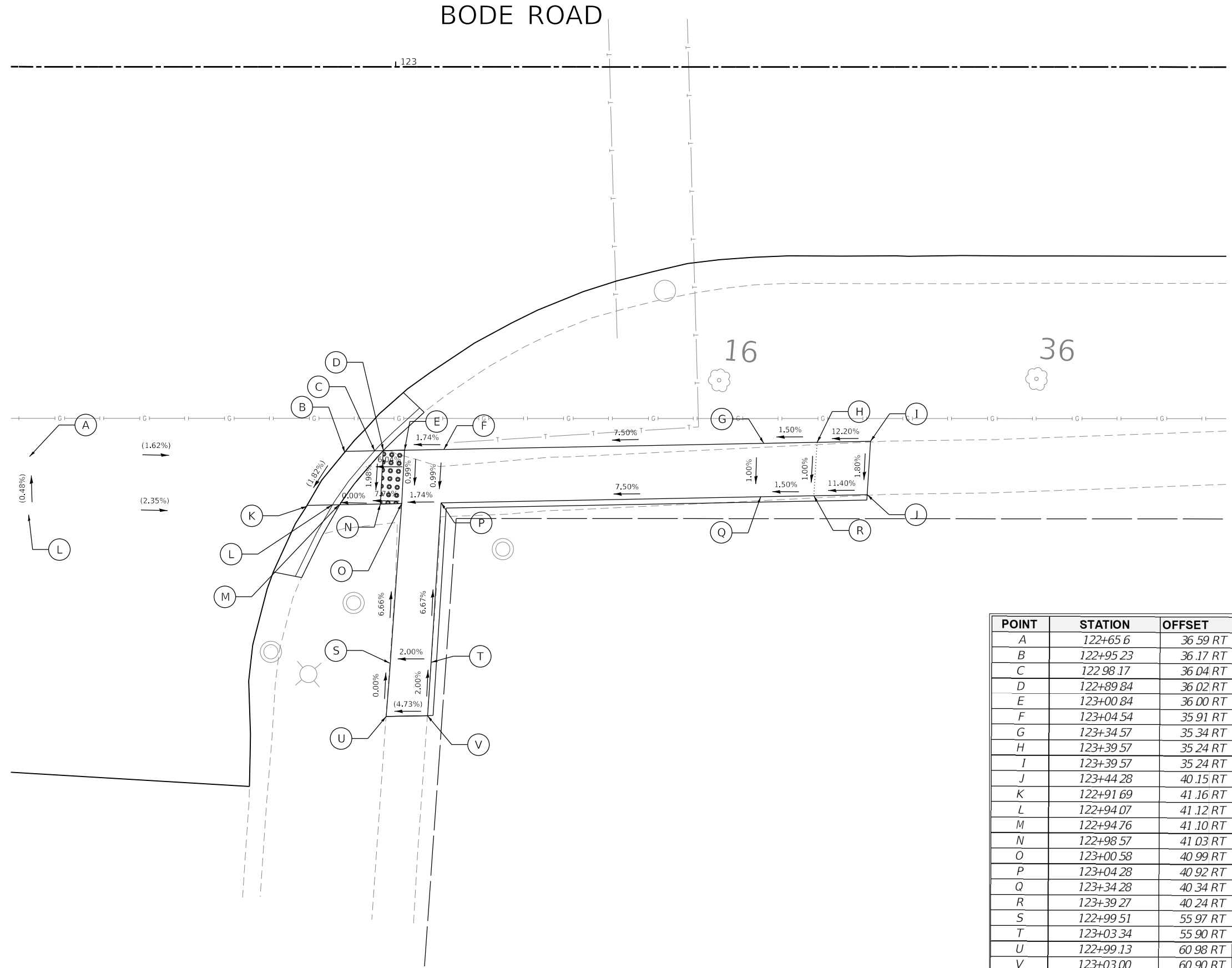
F.A.U. RTE. 1317 2582	SECTION 21-00137-00-RS	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 48
CONTRACT NO. 61H72			ILLINOIS FED. AID PROJECT	

BODE ROAD



1"=5'

KNOLLWOOD DRIVE



POINT	STATION	OFFSET	ELEVATION
A	122+65.6	36.59 RT	829.43
B	122+95.23	36.17 RT	(828.96)
C	122+98.17	36.04 RT	828.82
D	122+89.84	36.02 RT	828.88
E	123+00.84	36.00 RT	829.06
F	123+04.54	35.91 RT	829.13
G	123+34.57	35.34 RT	831.38
H	123+39.57	35.24 RT	831.46
I	123+39.57	35.24 RT	(832.07)
J	123+44.28	40.15 RT	(831.98)
K	122+91.69	41.16 RT	828.85
L	122+94.07	41.12 RT	828.73
M	122+94.76	41.10 RT	828.78
N	122+98.57	41.03 RT	828.78
O	123+00.58	40.99 RT	829.01
P	123+04.28	40.92 RT	829.08
Q	123+34.28	40.34 RT	831.33
R	123+39.27	40.24 RT	831.41
S	122+99.51	55.97 RT	830.00
T	123+03.34	55.90 RT	830.08
U	122+99.13	60.98 RT	(830.00)
V	123+03.00	60.90 RT	(830.18)

LEGEND ON SHEET 2

MODEL: D:\p1\11 HAMPTON, LENZINI AND RENWICK, INC. 20220220\20220525\6\21-00137-00-RS\21-00137-00-RS-CADD_Sheets\20220525\ch-ADA_Bode04.dgn

HAMPTON, LENZINI AND RENWICK, INC.
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 ILLINOIS PROFESSIONAL DESIGN FIRM
 I.S. / P.E. / S.E. CORP. 184-000959

USER NAME = emelchers	DESIGNED -	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - AC	REVISED -
PLOT DATE = 4/1/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

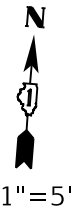
**BODE ROAD ROADWAY IMPROVEMENTS
CROSSWALK GRADING PLANS:
KNOLLWOOD DRIVE**

SCALE: 1"=5'

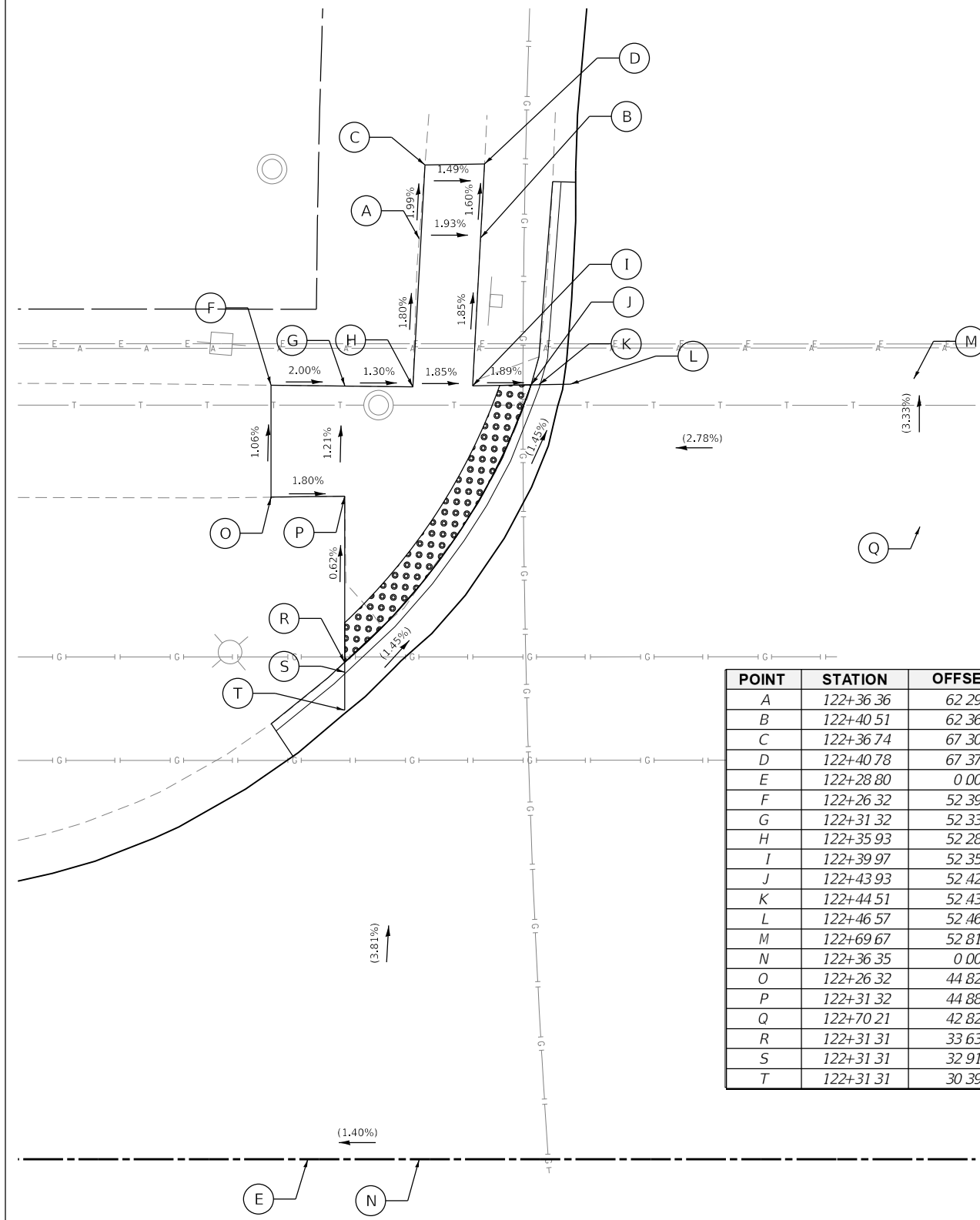
SHEET 4 OF 19 SHEETS STA. TO STA.

F.A.U. RTE. 1317 2582	SECTION 21-00137-00-RS	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 49
CONTRACT NO. 61H72			ILLINOIS FED. AID PROJECT	

BODE ROAD



KNOLLWOOD DRIVE



POINT	STATION	OFFSET	ELEVATION
A	122+36.36	62.29 RT	827.42
B	122+40.51	62.36 RT	827.34
C	122+36.74	67.30 RT	(827.32)
D	122+40.78	67.37 RT	(827.26)
E	122+28.80	0.00 RT	829.05
F	122+26.32	52.39 RT	(827.76)
G	122+31.32	52.33 RT	827.66
H	122+35.93	52.28 RT	827.60
I	122+39.97	52.35 RT	827.53
J	122+43.93	52.42 RT	827.45
K	122+44.51	52.43 RT	827.40
L	122+46.57	52.46 RT	(827.50)
M	122+69.67	52.81 RT	828.15
N	122+36.35	0.00 RT	829.15
O	122+26.32	44.82 RT	(827.84)
P	122+31.32	44.88 RT	827.75
Q	122+70.21	42.82 RT	828.48
R	122+31.31	33.63 RT	827.82
S	122+31.31	32.91 RT	827.77
T	122+31.31	30.39 RT	(827.89)

LEGEND ON SHEET 2

MODEL: D:\p1\11\20220205\56\Cad\02_Design\CADD_Sheets\200556-rt-ADA_Bore05.dgn

HAMPTON, LENZINI AND RENWICK, INC.
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 ILLINOIS PROFESSIONAL DESIGN FIRM
 I.S./P.E./S.E. CORP. 184-000959

USER NAME = emelchers	DESIGNED -	REVISED -
DRAWN - AC	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 4/1/2022	DATE -	REVISED -

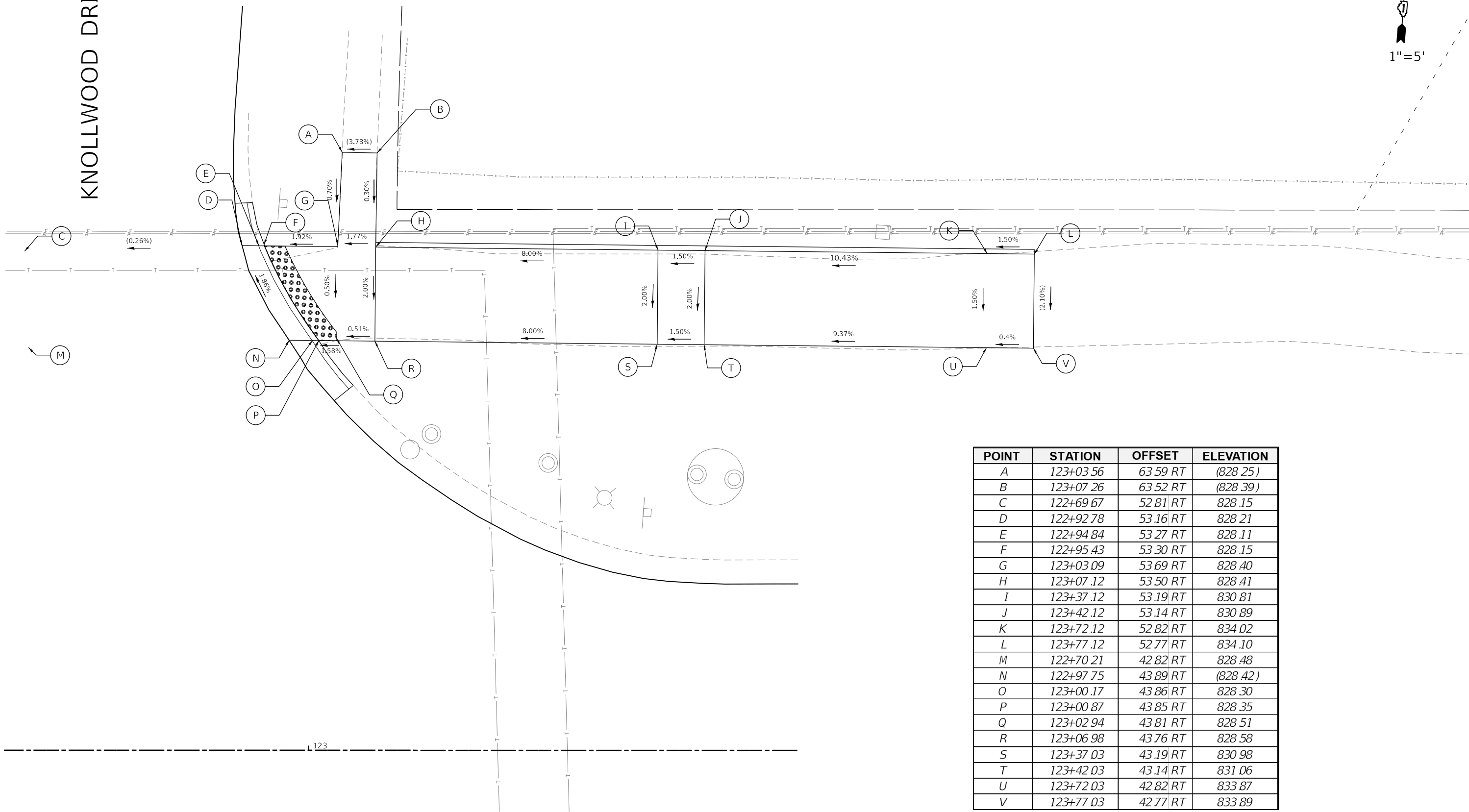
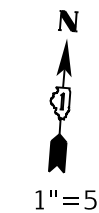
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BODE ROAD ROADWAY IMPROVEMENTS
 CROSSWALK GRADING PLANS:
 KNOLLWOOD DRIVE**

SCALE: 1"=5' SHEET 5 OF 19 SHEETS STA. TO STA.

F.A.U. RTE. 1317 2582	SECTION 21-00137-00-R5	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 50
CONTRACT NO. 61H72			ILLINOIS FED. AID PROJECT	

KNOLLWOOD DRIVE



POINT	STATION	OFFSET	ELEVATION
A	123+03.56	63.59 RT	(828.25)
B	123+07.26	63.52 RT	(828.39)
C	122+69.67	52.81 RT	828.15
D	122+92.78	53.16 RT	828.21
E	122+94.84	53.27 RT	828.11
F	122+95.43	53.30 RT	828.15
G	123+03.09	53.69 RT	828.40
H	123+07.12	53.50 RT	828.41
I	123+37.12	53.19 RT	830.81
J	123+42.12	53.14 RT	830.89
K	123+72.12	52.82 RT	834.02
L	123+77.12	52.77 RT	834.10
M	122+70.21	42.82 RT	828.48
N	122+97.75	43.89 RT	(828.42)
O	123+00.17	43.86 RT	828.30
P	123+00.87	43.85 RT	828.35
Q	123+02.94	43.81 RT	828.51
R	123+06.98	43.76 RT	828.58
S	123+37.03	43.19 RT	830.98
T	123+42.03	43.14 RT	831.06
U	123+72.03	42.82 RT	833.87
V	123+77.03	42.77 RT	833.89

BODE ROAD

LEGEND ON SHEET 2

MODEL: D:\p1\2021\20210525\56\Cad\02_Design\CADD_Sheets\20210525\ch-ADA_Bore06.dgn

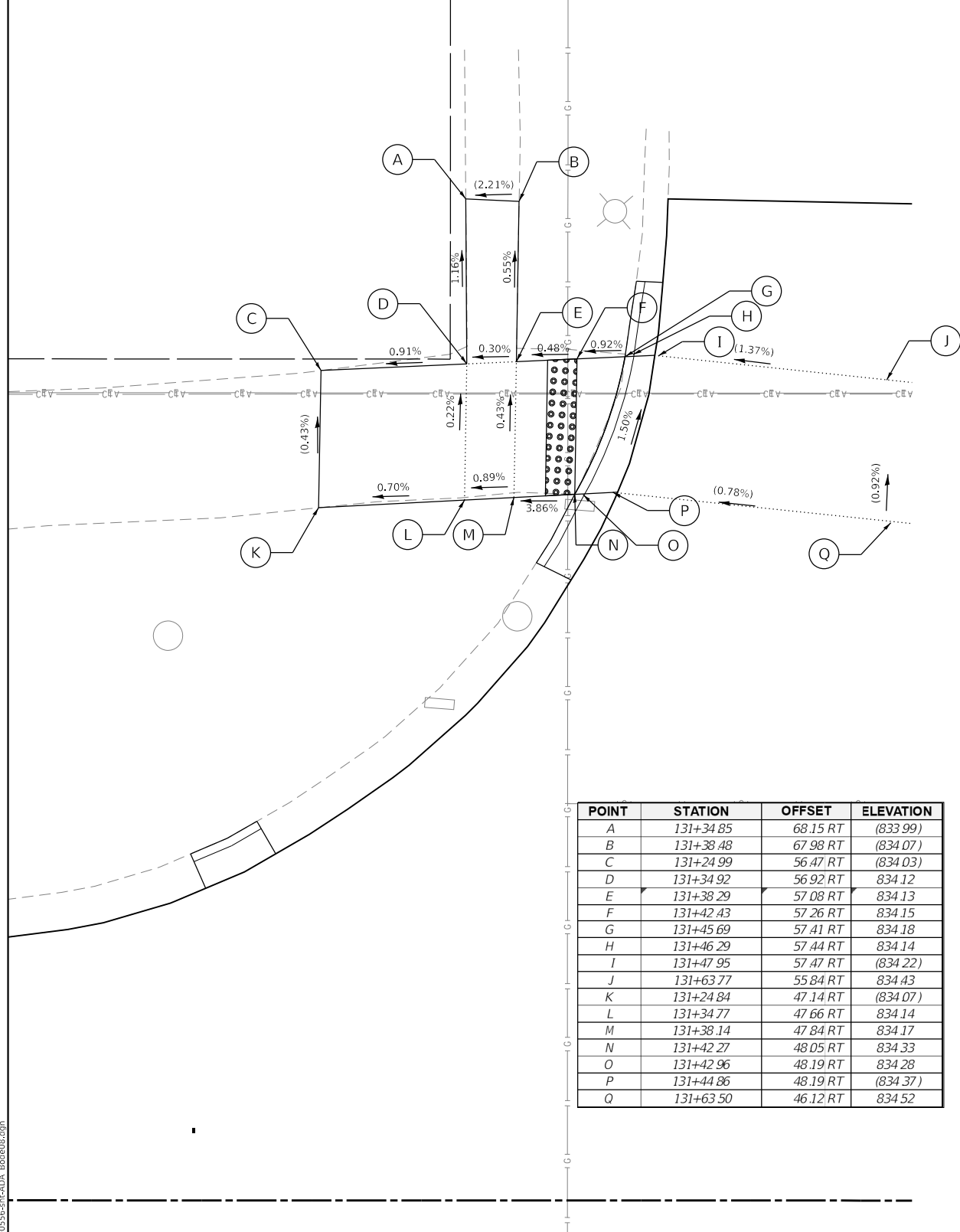
 HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM I.S./P.E./S.E. CORP. 184-000959	USER NAME = emelchers	DESIGNED -	REVISED -
	DRAWN - AC	REVISIONS -	
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	PLOT DATE = 4/1/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

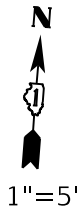
BODE ROAD ROADWAY IMPROVEMENTS			
CROSSWALK GRADING PLANS:			
KNOLLWOOD DRIVE			
SCALE: 1"=5'	SHEET 6	OF TBD SHEETS	STA. TO STA.

F.A.U. RTE. 1317 2582	SECTION 21-00137-00-R5	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 51
CONTRACT NO. 61H72				
ILLINOIS FED. AID PROJECT				

BODE ROAD

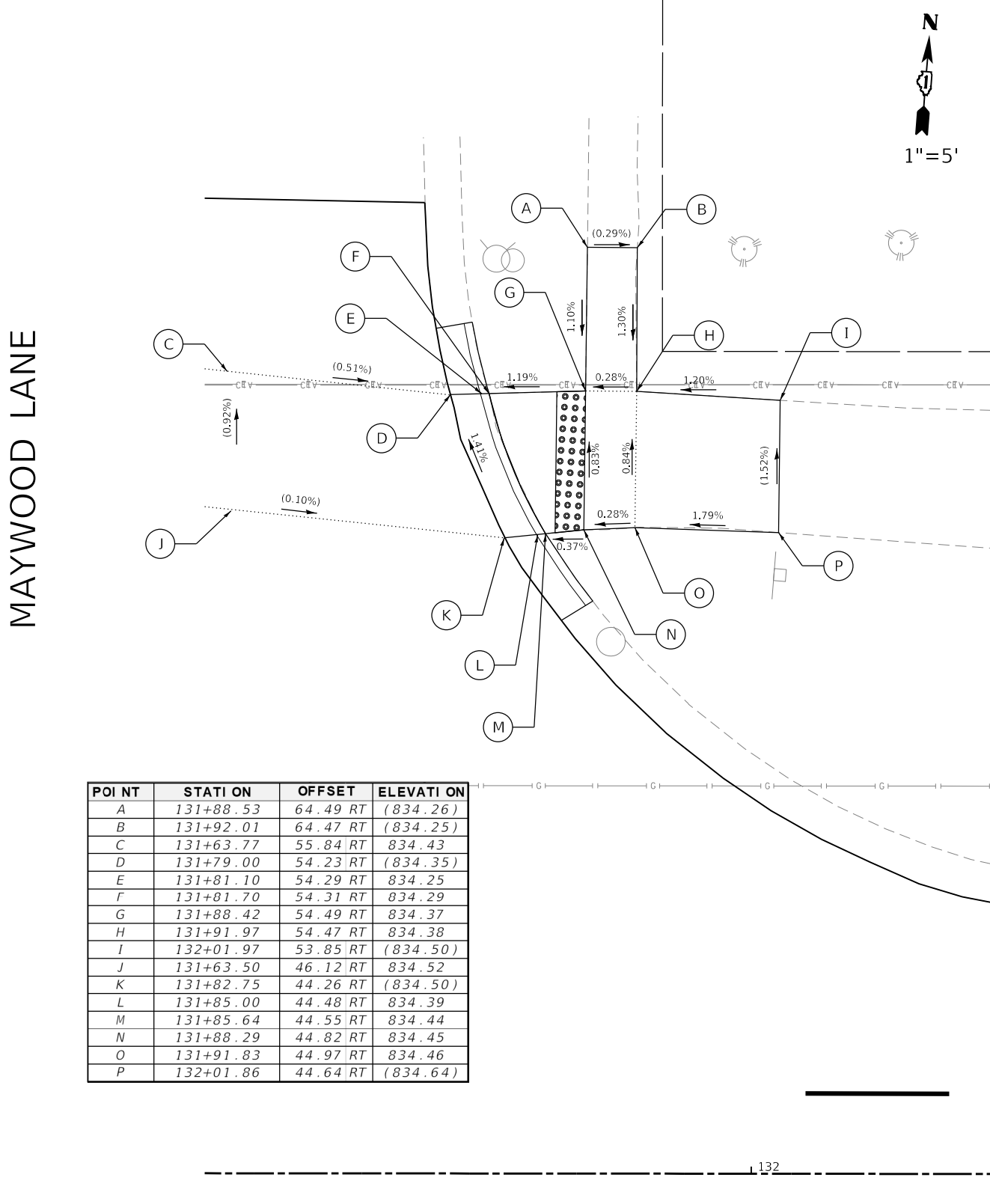


POINT	STATION	OFFSET	ELEVATION
A	131+34.85	68.15 RT	(833.99)
B	131+38.48	67.98 RT	(834.07)
C	131+24.99	56.47 RT	(834.03)
D	131+34.92	56.92 RT	834.12
E	131+38.29	57.08 RT	834.13
F	131+42.43	57.26 RT	834.15
G	131+45.69	57.41 RT	834.18
H	131+46.29	57.44 RT	834.14
I	131+47.95	57.47 RT	(834.22)
J	131+63.77	55.84 RT	834.43
K	131+24.84	47.14 RT	(834.07)
L	131+34.77	47.66 RT	834.14
M	131+38.14	47.84 RT	834.17
N	131+42.27	48.05 RT	834.33
O	131+42.96	48.19 RT	834.28
P	131+44.86	48.19 RT	(834.37)
Q	131+63.50	46.12 RT	834.52



MAYWOOD LANE

BODE ROAD



POINT	STATION	OFFSET	ELEVATION
A	131+88.53	64.49 RT	(834.26)
B	131+92.01	64.47 RT	(834.25)
C	131+63.77	55.84 RT	834.43
D	131+79.00	54.23 RT	(834.35)
E	131+81.10	54.29 RT	834.25
F	131+81.70	54.31 RT	834.29
G	131+88.42	54.49 RT	834.37
H	131+91.97	54.47 RT	834.38
I	132+01.97	53.85 RT	(834.50)
J	131+63.50	46.12 RT	834.52
K	131+82.75	44.26 RT	(834.50)
L	131+85.00	44.48 RT	834.39
M	131+85.64	44.55 RT	834.44
N	131+88.29	44.82 RT	834.45
O	131+91.83	44.97 RT	834.46
P	132+01.86	44.64 RT	(834.64)



MAYWOOD LANE

LEGEND ON SHEET 2

MODEL: D:\p\h\11... FILE NAME: P:\2020\2020556\Cad\02_Draft\CADD_Sheets\2020556\ct-ADA_Bode08.dgn

HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
L.S./P.E./S.E. CORP. 184-000959

USER NAME = emelchers	DESIGNED -	REVISED -
PLOT SCALE = 10.0000 "/in.	DRAWN - AC	REVISED -
PLOT DATE = 4/1/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

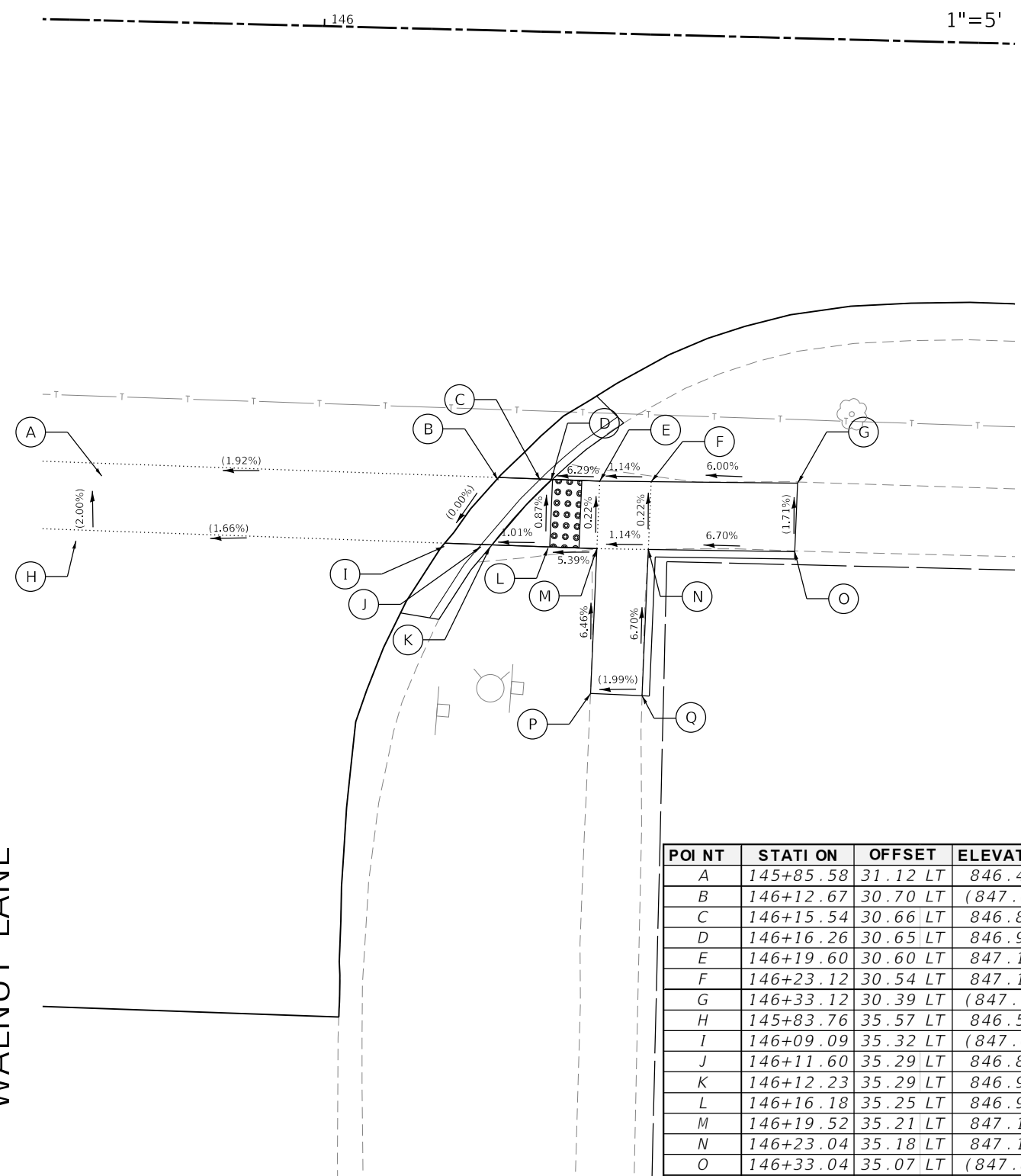
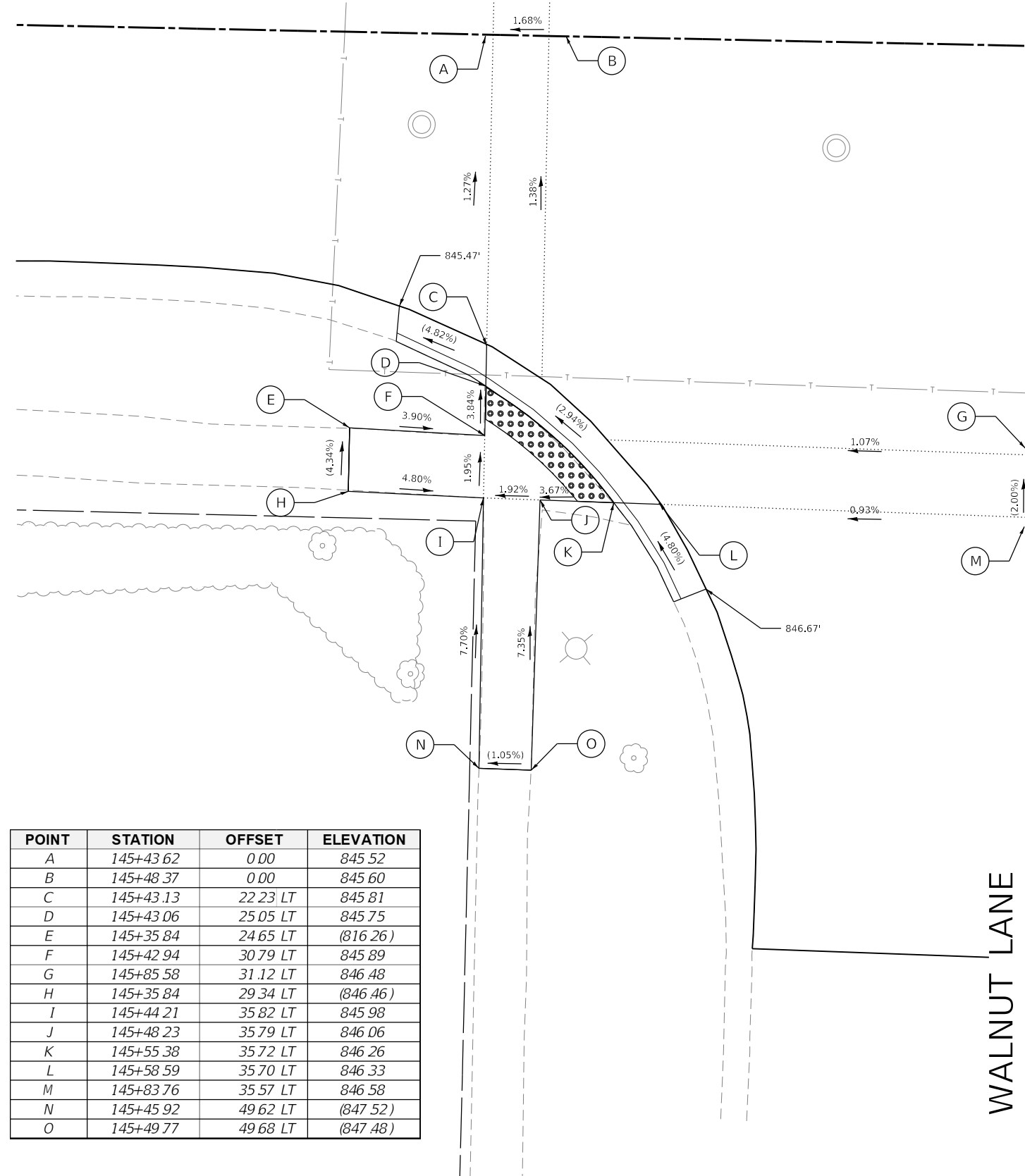
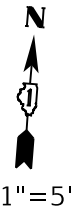
**BODE ROAD ROADWAY IMPROVEMENTS
CROSSWALK GRADING PLANS:
MAYWOOD LANE**

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

F.A.U. RTE. 1317 2582	SECTION 21-00137-00-RS	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 52
CONTRACT NO. 61H72				
ILLINOIS FED. AID PROJECT				

BODE ROAD

BODE ROAD



POINT	STATION	OFFSET	ELEVATION
A	145+43.62	0.00	845.52
B	145+48.37	0.00	845.60
C	145+43.13	22.23 LT	845.81
D	145+43.06	25.05 LT	845.75
E	145+35.84	24.65 LT	(816.26)
F	145+42.94	30.79 LT	845.89
G	145+85.58	31.12 LT	846.48
H	145+35.84	29.34 LT	(846.46)
I	145+44.21	35.82 LT	845.98
J	145+48.23	35.79 LT	846.06
K	145+55.38	35.72 LT	846.26
L	145+58.59	35.70 LT	846.33
M	145+83.76	35.57 LT	846.58
N	145+45.92	49.62 LT	(847.52)
O	145+49.77	49.68 LT	(847.48)

POINT	STATION	OFFSET	ELEVATION
A	145+85.58	31.12 LT	846.48
B	146+12.67	30.70 LT	(847.00)
C	146+15.54	30.66 LT	846.86
D	146+16.26	30.65 LT	846.91
E	146+19.60	30.60 LT	847.12
F	146+23.12	30.54 LT	847.16
G	146+33.12	30.39 LT	(847.76)
H	145+83.76	35.57 LT	846.58
I	146+09.09	35.32 LT	(847.00)
J	146+11.60	35.29 LT	846.87
K	146+12.23	35.29 LT	846.91
L	146+16.18	35.25 LT	846.95
M	146+19.52	35.21 LT	847.13
N	146+23.04	35.18 LT	847.17
O	146+33.04	35.07 LT	(847.84)
P	146+19.35	45.11 LT	(847.77)
Q	146+22.86	45.17 LT	(847.84)

LEGEND ON SHEET 2

MODEL: D:\p1\11\2022\20220525\CADD_Sheets\20220525-11-ADA_Bode09.dgn

HAMPTON, LENZINI AND RENWICK, INC.
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 ILLINOIS PROFESSIONAL DESIGN FIRM
 I.S./P.E./S.E. CORP. 154-000959

USER NAME = emelchers	DESIGNED -	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - AC	REVISED -
PLOT DATE = 4/1/2022	CHECKED -	REVISED -
	DATE -	REVISED -

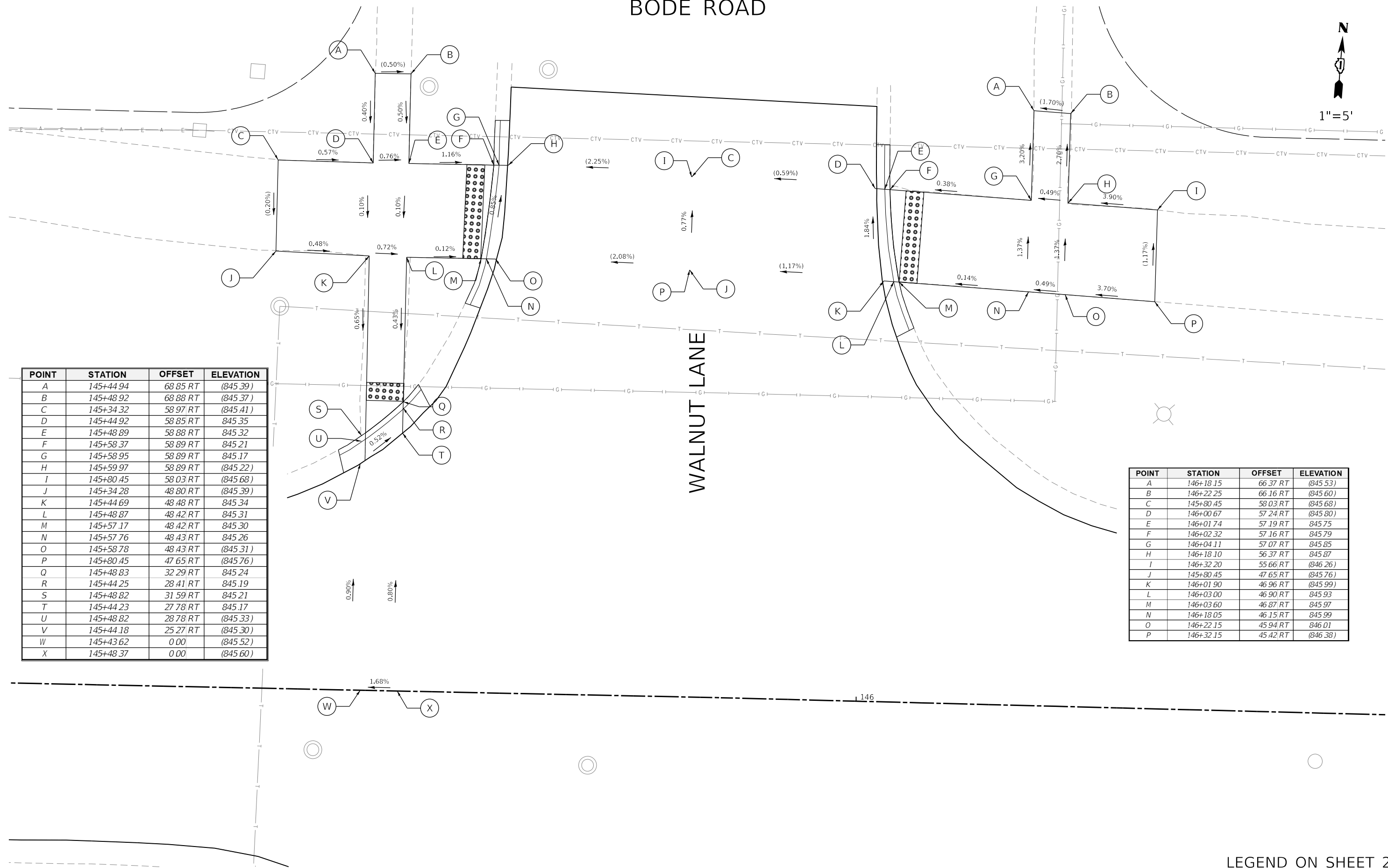
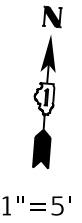
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BODE ROAD ROADWAY IMPROVEMENTS
CROSSWALK GRADING PLANS:
WALNUT LANE**

SCALE: 1"=5' SHEET 9 OF TBD SHEETS STA. TO STA.

F.A.U. RTE. 1317 2582	SECTION 21-00137-00-R5	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 53
CONTRACT NO. 61H72			ILLINOIS FED. AID PROJECT	

BODE ROAD



POINT	STATION	OFFSET	ELEVATION
A	145+44.94	68.85 RT	(845.39)
B	145+48.92	68.88 RT	(845.37)
C	145+34.32	58.97 RT	(845.41)
D	145+44.92	58.85 RT	845.35
E	145+48.89	58.88 RT	845.32
F	145+58.37	58.89 RT	845.21
G	145+58.95	58.89 RT	845.17
H	145+59.97	58.89 RT	(845.22)
I	145+80.45	58.03 RT	(845.68)
J	145+34.28	48.80 RT	(845.39)
K	145+44.69	48.48 RT	845.34
L	145+48.87	48.42 RT	845.31
M	145+57.17	48.42 RT	845.30
N	145+57.76	48.43 RT	845.26
O	145+58.78	48.43 RT	(845.31)
P	145+80.45	47.65 RT	(845.76)
Q	145+48.83	32.29 RT	845.24
R	145+44.25	28.41 RT	845.19
S	145+48.82	31.59 RT	845.21
T	145+44.23	27.78 RT	845.17
U	145+48.82	28.78 RT	(845.33)
V	145+44.18	25.27 RT	(845.30)
W	145+43.62	0.00	(845.52)
X	145+48.37	0.00	(845.60)

POINT	STATION	OFFSET	ELEVATION
A	146+18.15	66.37 RT	(845.53)
B	146+22.25	66.16 RT	(845.60)
C	145+80.45	58.03 RT	(845.68)
D	146+00.67	57.24 RT	(845.80)
E	146+01.74	57.19 RT	845.75
F	146+02.32	57.16 RT	845.79
G	146+04.11	57.07 RT	845.85
H	146+18.10	56.37 RT	845.87
I	146+32.20	55.66 RT	(846.26)
J	145+80.45	47.65 RT	(845.76)
K	146+01.90	46.96 RT	(845.99)
L	146+03.00	46.90 RT	845.93
M	146+03.60	46.87 RT	845.97
N	146+18.05	46.15 RT	845.99
O	146+22.15	45.94 RT	846.01
P	146+32.15	45.42 RT	(846.38)

LEGEND ON SHEET 2

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HAMPTON, LENZINI AND RENWICK, INC.
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 ILLINOIS PROFESSIONAL DESIGN FIRM
 I.S./P.E./S.E. CORP. 184-000959

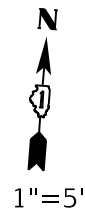
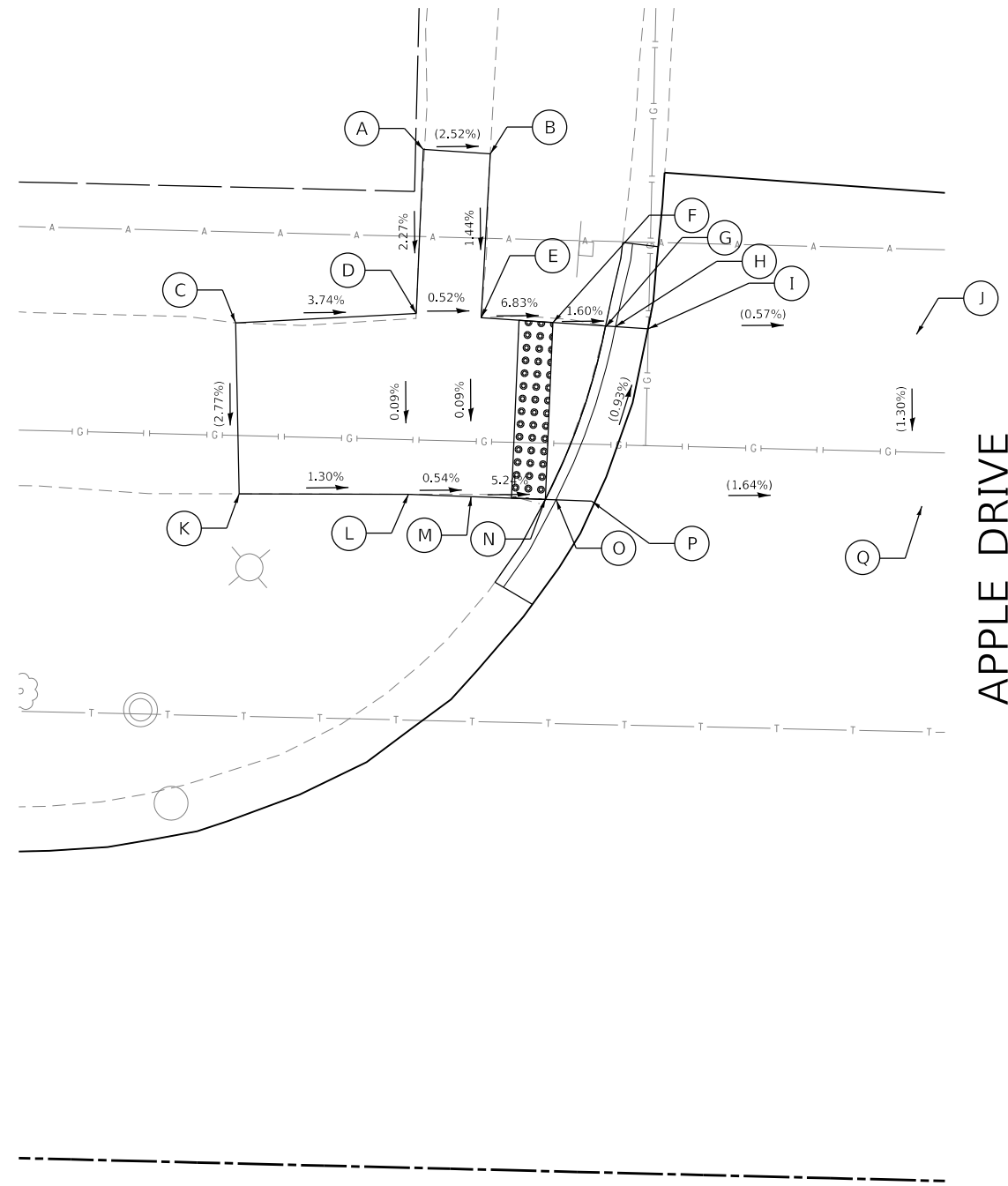
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PLOT SCALE = 10.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 4/1/2022	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BODE ROAD ROADWAY IMPROVEMENTS
CROSSWALK GRADING PLANS:
WALNUT LANE
 SCALE: 1"=5' SHEET 10 OF TBD SHEETS STA. TO STA.

F.A.U. RTE. 1317/2582	SECTION 21-00137-00-RS	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 54
CONTRACT NO. 61H72				
ILLINOIS FED. AID PROJECT				

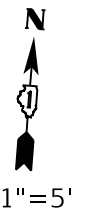
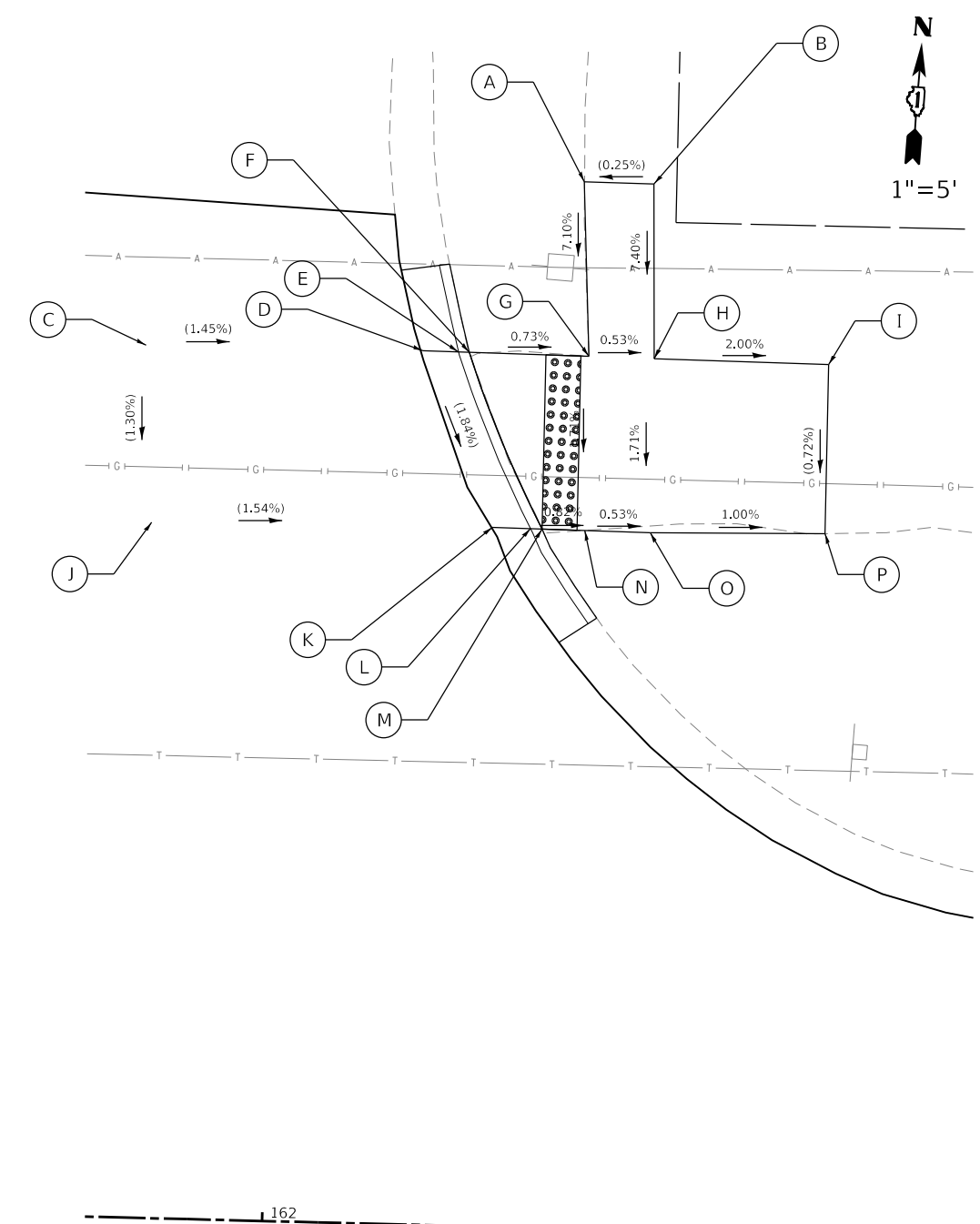
BODE ROAD



APPLE DRIVE

POI NT	STATI ON	OFFSET	ELEVATI ON
A	161+62.72	60.17 RT	(818.62)
B	161+66.69	60.01 RT	(818.52)
C	161+51.89	49.64 RT	(818.80)
D	161+62.54	50.46 RT	818.40
E	161+66.38	50.31 RT	818.38
F	161+70.63	50.13 RT	818.09
G	161+73.75	50.00 RT	818.04
H	161+74.33	49.98 RT	818.00
I	161+76.27	49.90 RT	(818.10)
J	161+92.12	49.97 RT	818.01
K	161+52.35	39.56 RT	(818.52)
L	161+62.35	39.78 RT	818.39
M	161+66.05	39.73 RT	818.37
N	161+70.44	39.68 RT	818.14
O	161+71.08	39.67 RT	818.09
P	161+73.18	39.64 RT	(818.20)
Q	161+92.69	39.84 RT	817.88

BODE ROAD



APPLE DRIVE

POI NT	STATI ON	OFFSET	ELEVATI ON
A	162+16.97	59.93 RT	(818.38)
B	162+20.96	59.91 RT	(818.39)
C	161+92.12	49.97 RT	818.01
D	162+07.97	50.04 RT	(817.78)
E	162+10.00	50.02 RT	817.68
F	162+10.62	50.01 RT	817.72
G	162+17.48	49.95 RT	817.67
H	162+21.22	49.91 RT	817.65
I	162+31.22	49.81 RT	(817.45)
J	161+92.69	39.84 RT	817.88
K	162+12.20	40.03 RT	817.58
L	162+14.38	40.01 RT	817.47
M	162+15.04	40.00 RT	817.52
N	162+17.49	39.98 RT	817.50
O	162+21.24	39.94 RT	817.48
P	162+31.25	40.14 RT	(817.38)

LEGEND ON SHEET 2

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<p>HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM L.S./P.E./S.E. CORP. 154-000959</p>	USER NAME = emelchers	DESIGNED -	REVISED -
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	PLOT DATE = 4/1/2022	CHECKED -	REVISED -
		DATE -	REVISED -

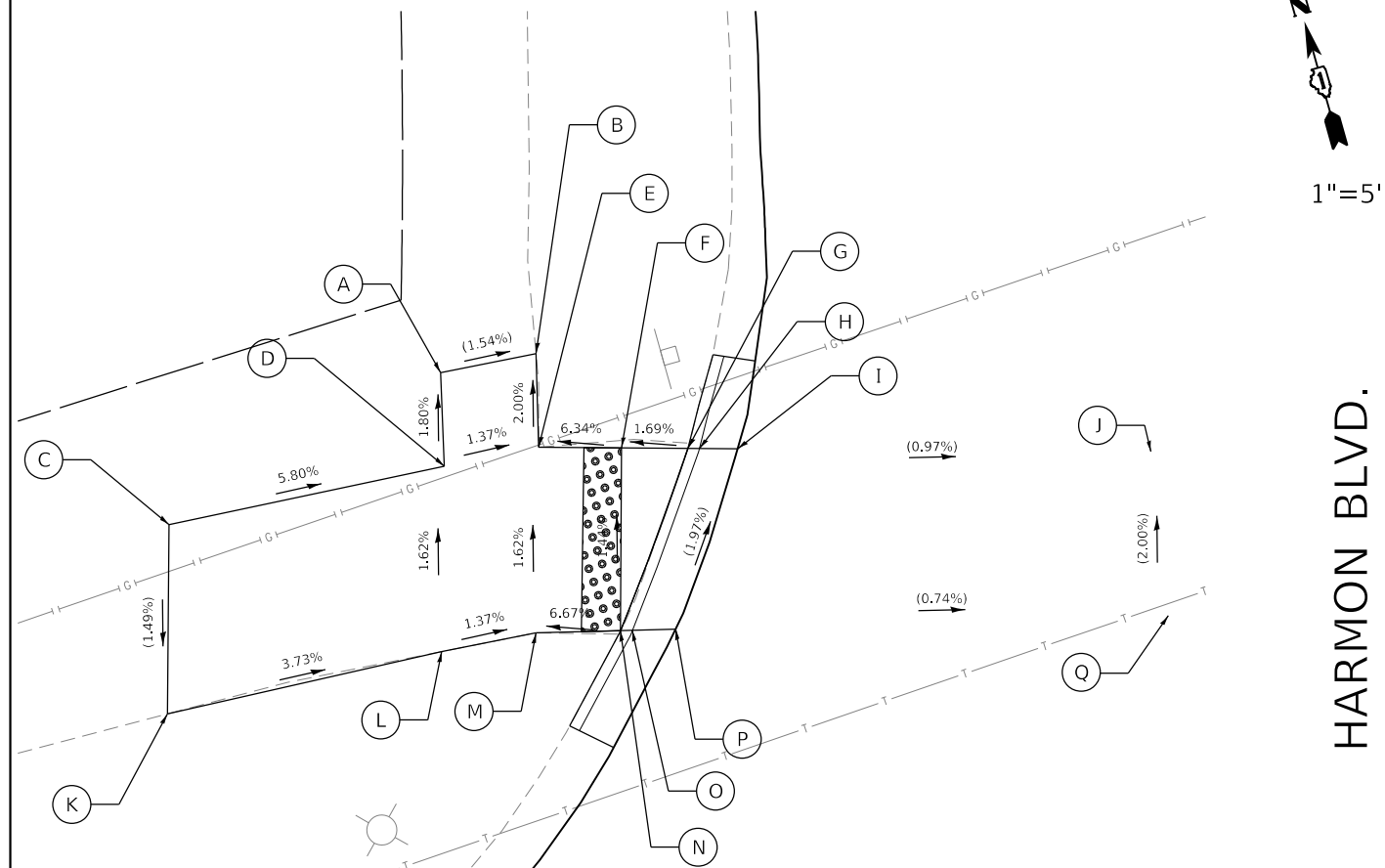
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BODE ROAD ROADWAY IMPROVEMENTS
CROSSWALK GRADING PLANS:
APPLE DRIVE

SCALE: 1"=5' SHEET 12 OF TBD SHEETS STA. TO STA.

F.A.U. RTE. 1317 2562	SECTION 21-00137-00-RS	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 55
CONTRACT NO. 61H72				
ILLINOIS FED. AID PROJECT				

BODE ROAD

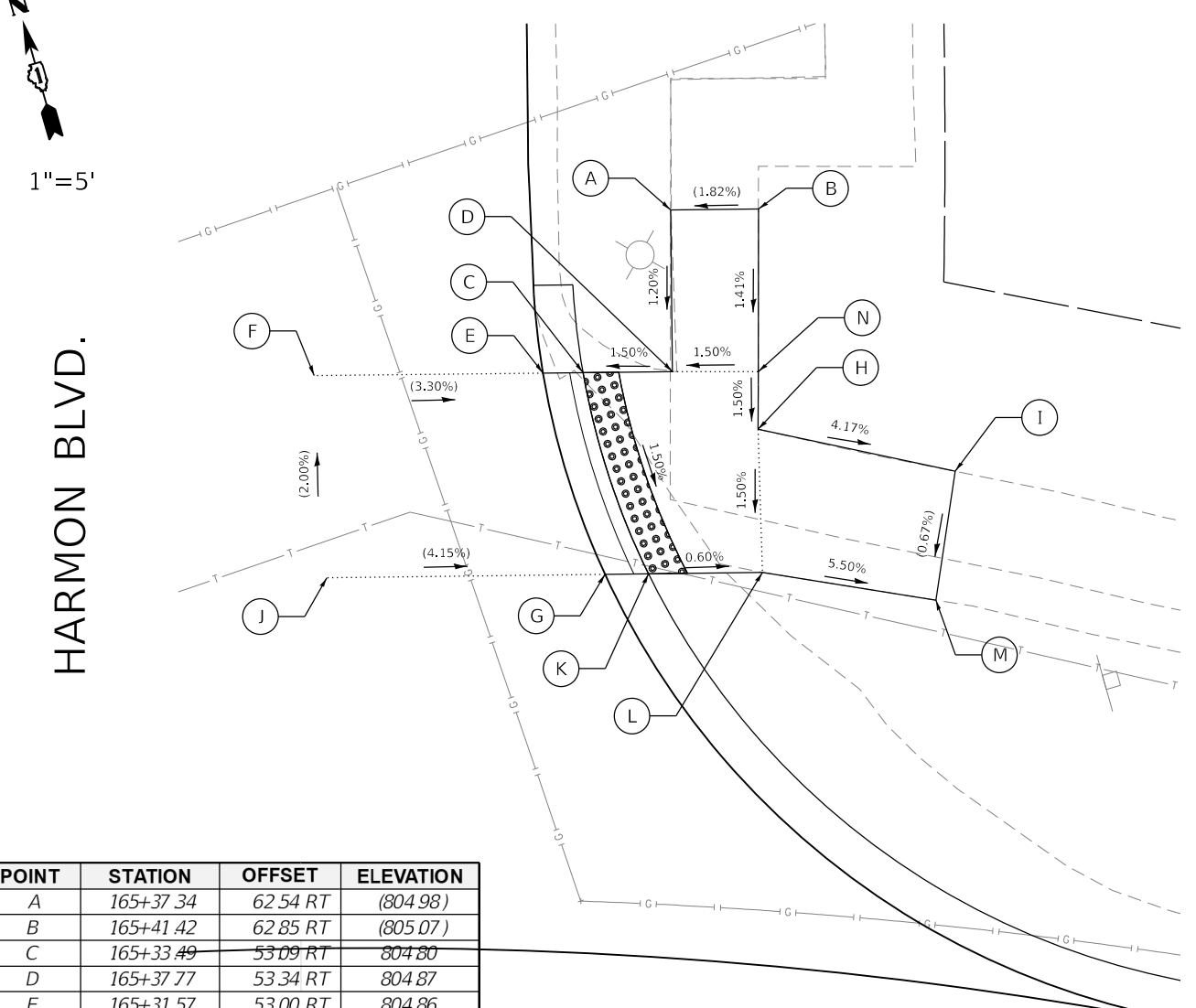


1" = 5'

HARMON BLVD.

POINT	STATION	OFFSET	ELEVATION
A	164+85.59	57.55 RT	(805.88)
B	164+89.89	57.89 RT	(805.80)
C	164+72.53	51.87 RT	(806.84)
D	164+85.18	52.58 RT	805.97
E	164+89.49	52.91 RT	805.90
F	164+93.18	52.36 RT	805.62
G	164+96.16	51.96 RT	805.56
H	164+96.67	51.89 RT	805.52
I	164+98.38	51.68 RT	805.62
J	165+17.02	50.20 RT	805.47
K	164+70.84	41.97 RT	(806.69)
L	164+83.86	42.81 RT	806.13
M	164+88.30	43.12 RT	806.06
N	164+92.19	42.69 RT	805.76
O	164+92.74	42.63 RT	805.72
P	164+94.74	42.44 RT	805.82
Q	165+17.61	41.43 RT	805.65

BODE ROAD



1" = 5'

HARMON BLVD.

POINT	STATION	OFFSET	ELEVATION
A	165+37.34	62.54 RT	(804.98)
B	165+41.42	62.85 RT	(805.07)
C	165+33.49	53.09 RT	804.80
D	165+37.77	53.34 RT	804.87
E	165+31.57	53.00 RT	804.86
F	165+50.60	52.79 RT	(805.34)
G	165+34.89	41.65 RT	(805.03)
H	165+42.04	50.33 RT	804.89
I	165+51.71	48.83 RT	(804.51)
J	165+21.09	41.27 RT	(805.57)
K	165+37.05	41.78 RT	804.97
L	165+42.68	42.20 RT	805.01
M	165+51.37	41.41 RT	(804.46)
N	165+41.87	53.60 RT	804.94

LEGEND ON SHEET 2

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<p>HAMPTON, LENZENI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM L.S. / P.E. / S.E. CORP. 184.000959</p>	USER NAME = emelchers	DESIGNED -	REVISED -
		DRAWN - AC	REVISED -
	PLOT SCALE = 10.0000" / in.	CHECKED -	REVISED -
	PLOT DATE = 4/1/2022	DATE -	REVISED -

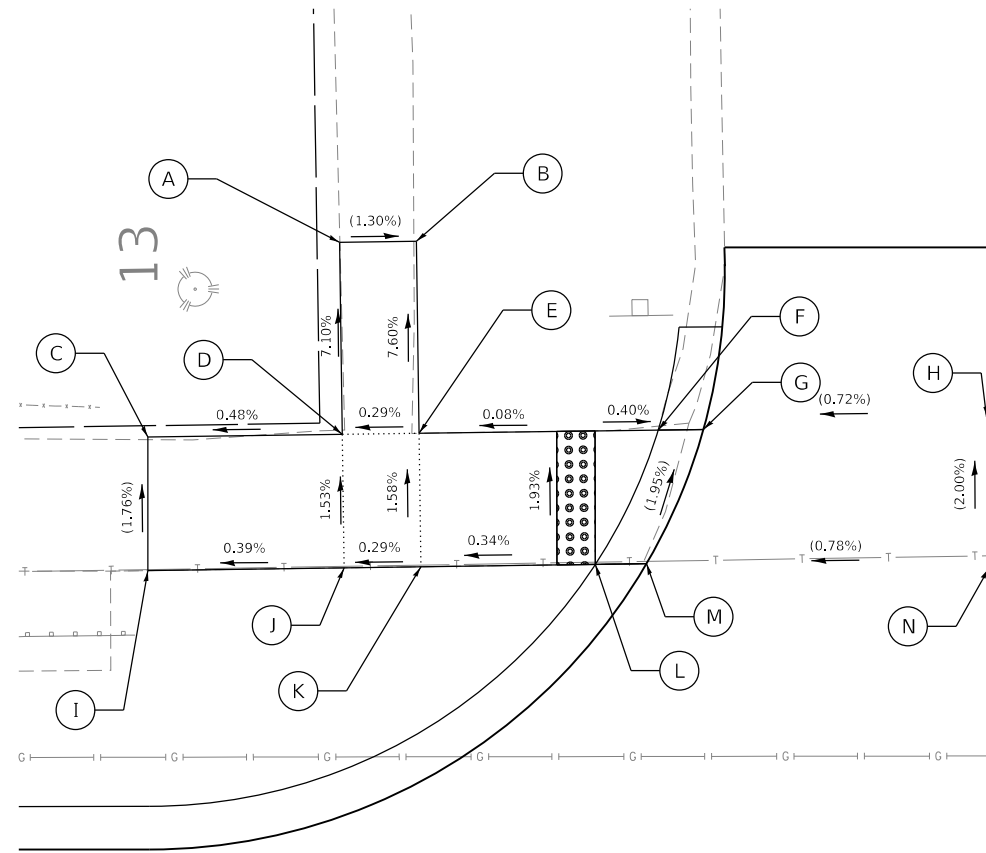
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BODE ROAD ROADWAY IMPROVEMENTS
CROSSWALK GRADING PLANS:
HARMON BOULEVARD

SCALE: 1"=5' SHEET 13 OF TBD SHEETS STA. TO STA.

F.A.U. RTE. 1317 2582	SECTION 21-00137-00-R5	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 56
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H72	

BODE ROAD

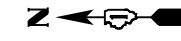
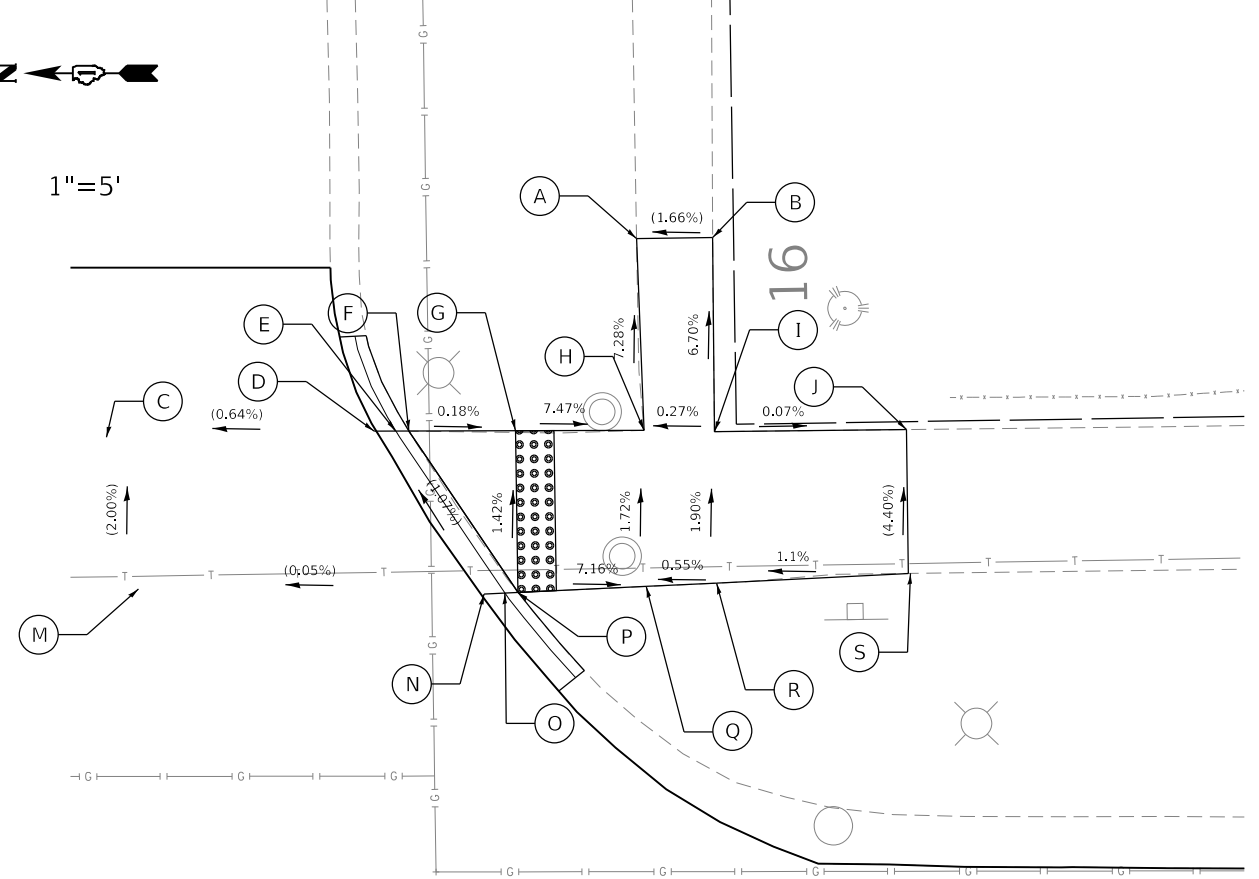


1"=5'

HUNDLEY WAY

POINT	STATION	OFFSET	ELEVATION
A	174+34.54	49.80 RT	(805.59)
B	174+38.54	49.85 RT	(805.54)
C	174+24.53	39.68 RT	(806.21)
D	174+34.66	39.80 RT	806.17
E	174+38.66	39.85 RT	806.18
F	174+51.12	40.01 RT	806.25
G	174+53.48	40.04 RT	806.26
H	174+68.23	40.66 RT	(806.42)
I	174+24.53	32.72 RT	(806.35)
J	174+34.75	32.85 RT	806.39
K	174+38.75	32.90 RT	806.40
L	174+47.84	33.01 RT	806.43
M	174+50.51	33.04 RT	806.44
N	174+68.32	32.76 RT	(806.58)

BODE ROAD



1"=5'

HUNDLEY WAY

POINT	STATION	OFFSET	ELEVATION
A	174+94.30	50.98 RT	(805.23)
B	174+98.27	51.03 RT	(805.29)
C	174+66.67	40.67 RT	806.42
D	174+80.62	40.97 RT	(806.48)
E	174+81.73	40.98 RT	806.42
F	174+82.43	40.98 RT	806.47
G	174+87.98	40.98 RT	806.46
H	174+94.68	40.99 RT	805.96
I	174+98.35	40.92 RT	805.97
J	175+08.35	41.02 RT	(805.90)
M	174+68.32	32.76 RT	806.58
N	174+86.33	32.48 RT	(806.59)
O	174+87.41	32.53 RT	806.53
P	174+88.09	32.56 RT	806.58
Q	174+94.78	32.86 RT	806.10
R	174+98.44	33.03 RT	806.12
S	175+08.4	33.52 RT	(806.23)

LEGEND ON SHEET 2

MODEL: D:\p1\11\111111\111111\CADD_Sheets\200556-ct-ADA_Bode1.dgn

 HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM I.S./P.E./S.E. CORP. 184-000959	USER NAME = emelchers	DESIGNED -	REVISED -
	PLOT SCALE = 10.0000 ' / in.	DRAWN - AC	REVISED -
	PLOT DATE = 4/1/2022	CHECKED -	REVISED -
		DATE -	REVISED -

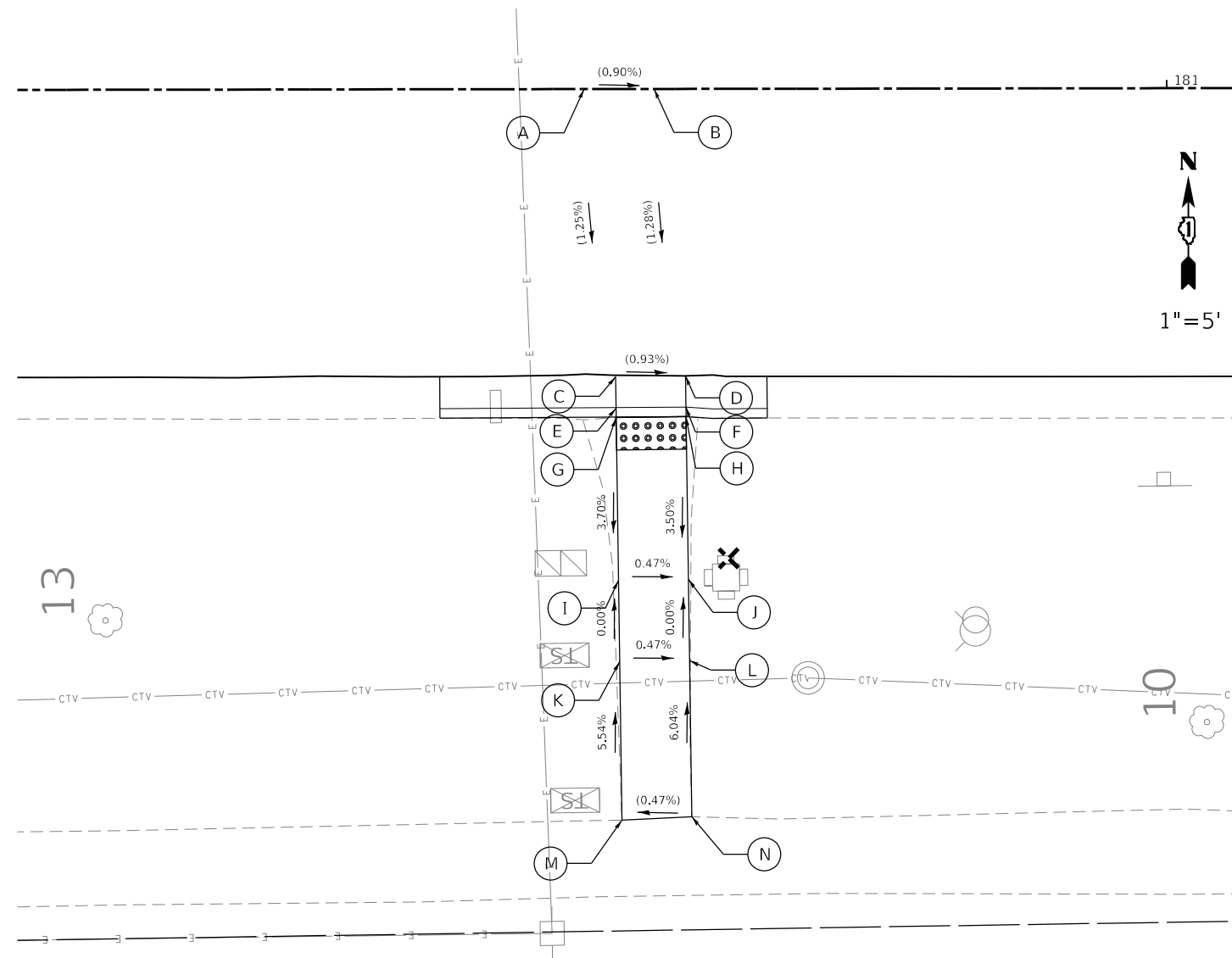
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BODE ROAD ROADWAY IMPROVEMENTS
CROSSWALK GRADING PLANS:
HUNDLEY WAY

SCALE: 1"=5' SHEET 14 OF TBD SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1317 2582	21-00137-00-R5	COOK	72	57
CONTRACT NO. 61H72				
ILLINOIS FED. AID PROJECT				

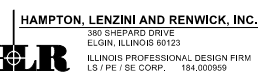
BODE ROAD



POI NT	STATI ON	OFFSE T	ELEVATI ON
A	180+64.20	0.00	810.16
B	180+68.50	0.00	810.12
C	180+66.11	17.69 LT	(809.94)
D	180+70.40	17.63 LT	(809.90)
E	180+66.14	19.61 LT	809.84
F	180+70.43	19.55 LT	809.80
G	180+66.14	20.19 LT	809.88
H	180+70.44	20.13 LT	809.84
I	180+66.27	30.19 LT	809.51
J	180+70.56	30.13 LT	809.49
K	180+66.33	35.19 LT	809.51
L	180+70.63	35.13 LT	809.49
M	180+66.46	44.93 LT	(810.05)
N	180+70.75	44.73 LT	(810.07)

LEGEND ON SHEET 2

MODEL: D:\p1\11\2022020556\Cad02_Design\CADD_Sheets\200556-ct-ADA_Bode15.dgn



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PLOT DATE = 4/1/2022	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BODE ROAD ROADWAY IMPROVEMENTS
CROSSWALK GRADING PLANS:
SPRINGSGUTH DR.

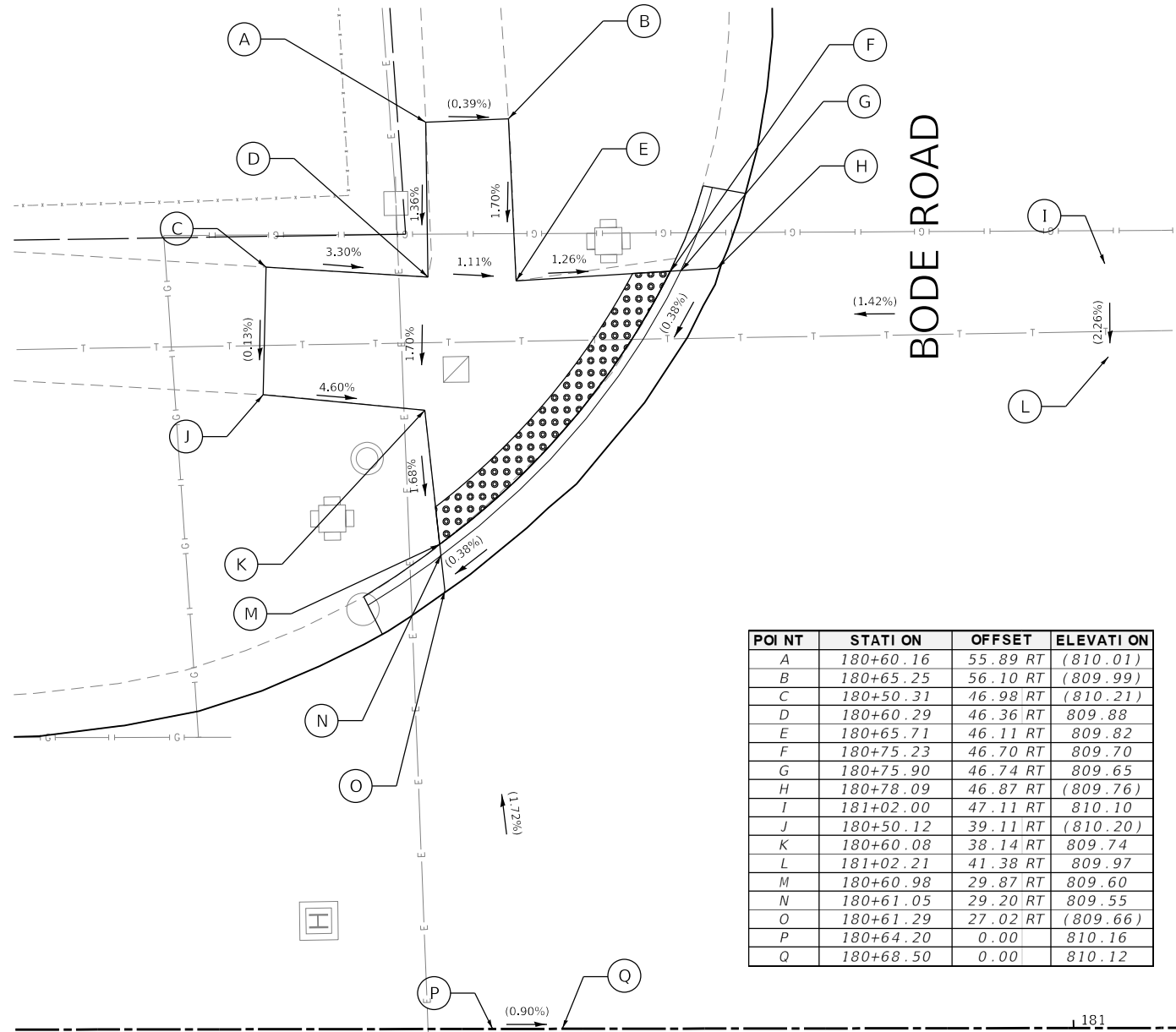
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1317 2562	21-00137-00-R5	COOK	72	58
CONTRACT NO. 61H72				
ILLINOIS FED. AID PROJECT				

BODE ROAD



1"=5'

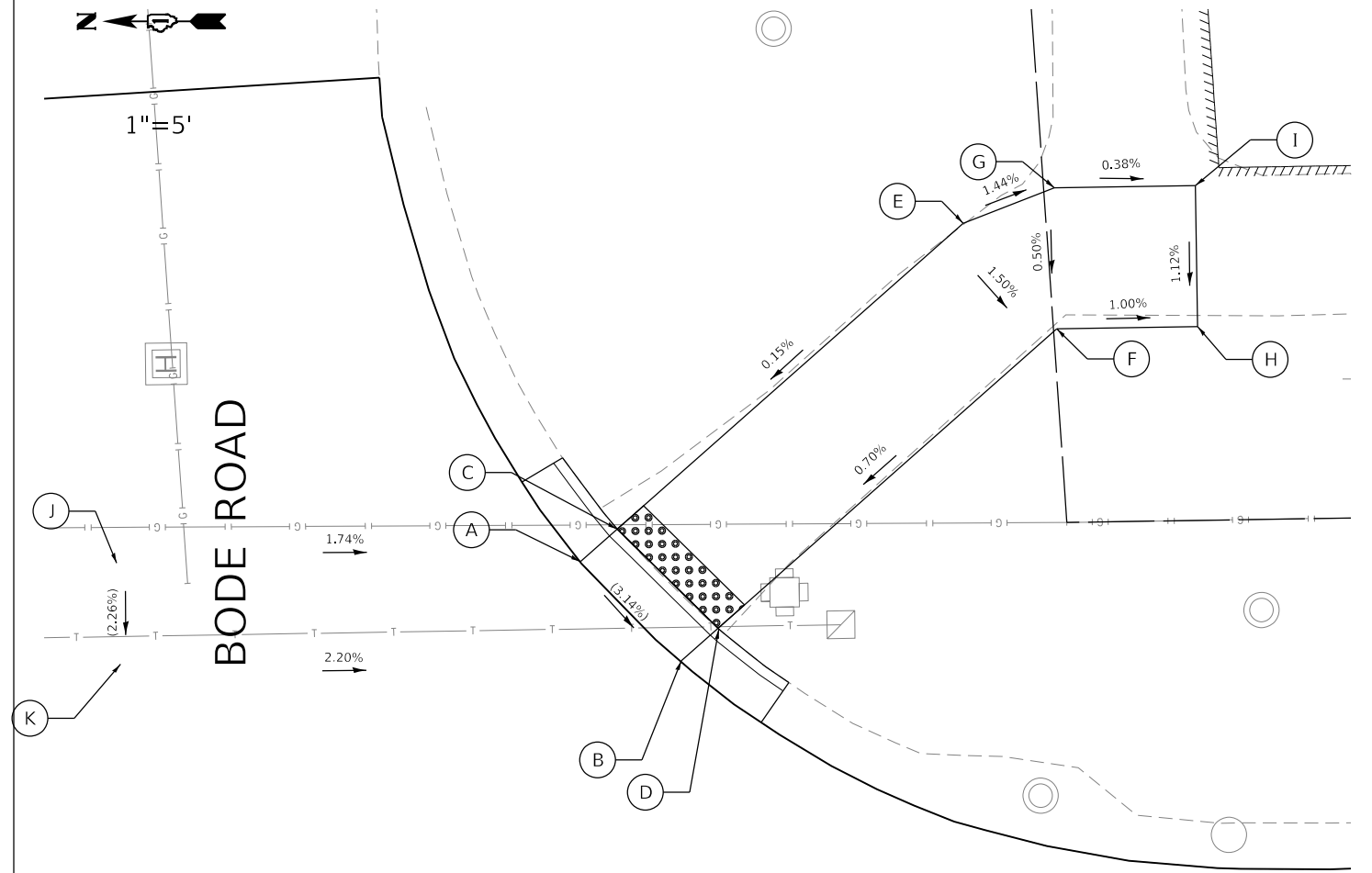


POINT	STATION	OFFSET	ELEVATION
A	180+60.16	55.89 RT	(810.01)
B	180+65.25	56.10 RT	(809.99)
C	180+50.31	46.98 RT	(810.21)
D	180+60.29	46.36 RT	809.88
E	180+65.71	46.11 RT	809.82
F	180+75.23	46.70 RT	809.70
G	180+75.90	46.74 RT	809.65
H	180+78.09	46.87 RT	(809.76)
I	181+02.00	47.11 RT	810.10
J	180+50.12	39.11 RT	(810.20)
K	180+60.08	38.14 RT	809.74
L	181+02.21	41.38 RT	809.97
M	180+60.98	29.87 RT	809.60
N	180+61.05	29.20 RT	809.55
O	180+61.29	27.02 RT	(809.66)
P	180+64.20	0.00	810.16
Q	180+68.50	0.00	810.12

BODE ROAD



1"=5'



POINT	STATION	OFFSET	ELEVATION
A	181+30.65	47.18 LT	(809.64)
B	181+36.36	41.55 LT	(809.39)
C	181+32.73	49.02 LT	809.62
D	181+38.44	43.38 LT	809.36
E	181+52.39	66.35 LT	809.66
F	181+57.68	60.35 LT	809.54
G	181+57.56	68.35 LT	809.58
H	181+65.68	60.47 LT	809.46
I	181+65.56	68.47 LT	809.55
J	181+02.00	47.11 LT	810.10
K	180+60.08	41.38 LT	809.97

LEGEND ON SHEET 2

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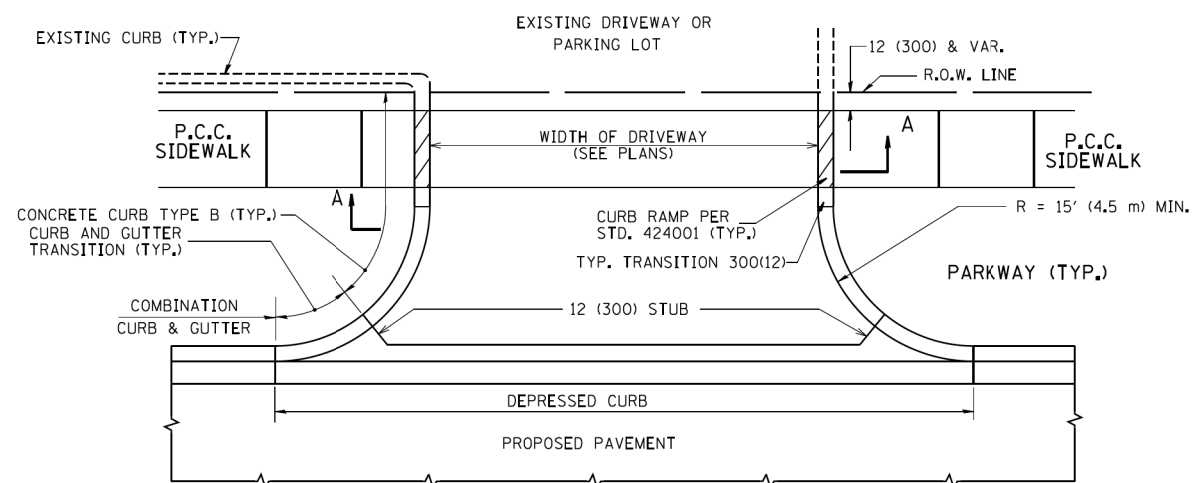
 HAMPTON, LENZI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM I.S./P.E./S.E. CORP. 184-000959	USER NAME = emelchers	DESIGNED -	REVISED -
	PLOT SCALE = 1/10,000" / in.	DRAWN - AC	REVISED -
	PLOT DATE = 4/1/2022	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

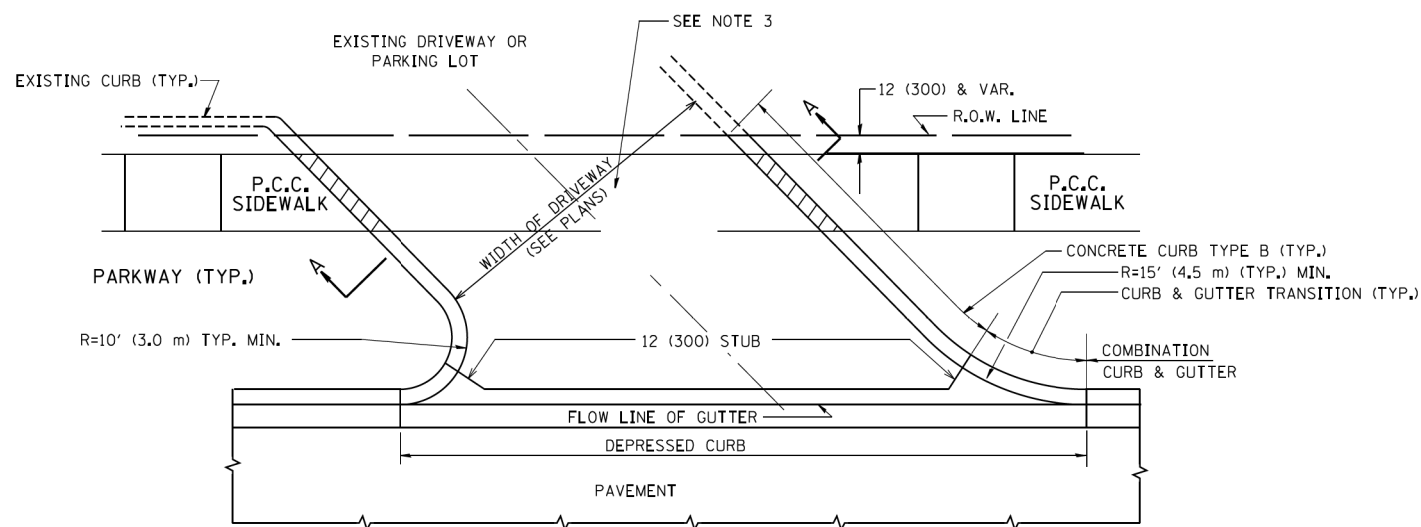
BODE ROAD ROADWAY IMPROVEMENTS
CROSSWALK GRADING PLANS:
BODE ROAD

SCALE: 1"=5' SHEET 16 OF TBD SHEETS STA. TO STA.

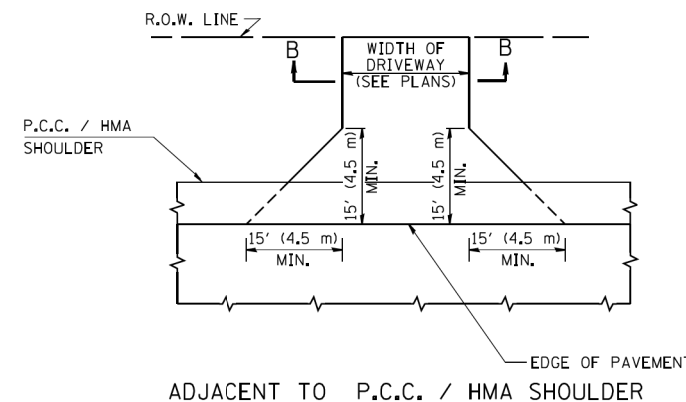
F.A.U. RTE. 1317 2582	SECTION 21-00137-00-RS	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 59
CONTRACT NO. 61H72				
ILLINOIS FED. AID PROJECT				



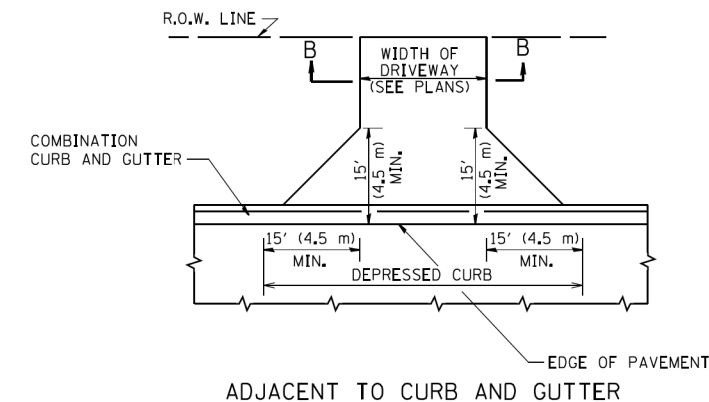
WITH CONCRETE CURB, TYPE B



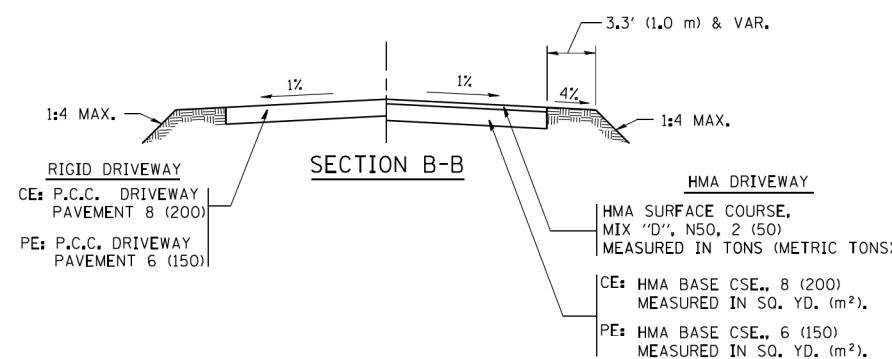
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE,
MIX 'D', N50, 2 (50)
MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200)
MEASURED IN SQ. YD. (m²)

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE 'HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS'. FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

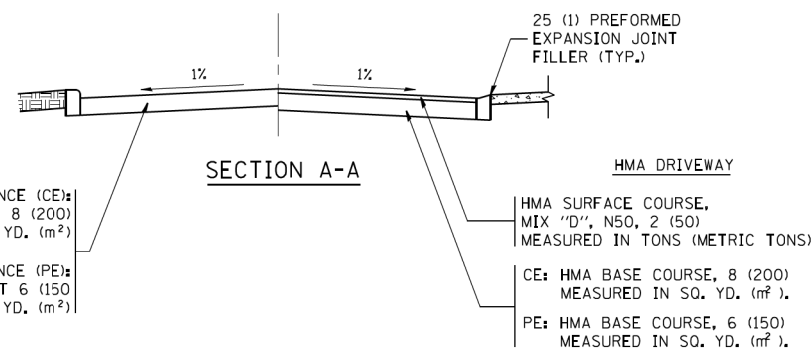
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

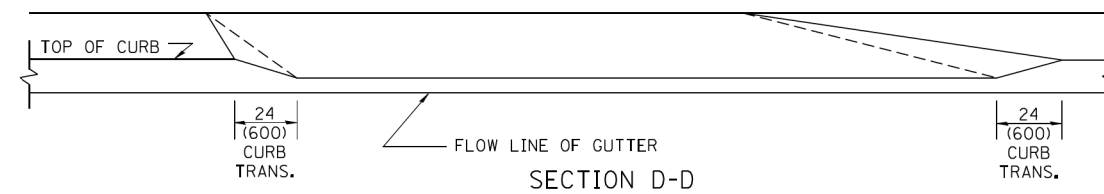
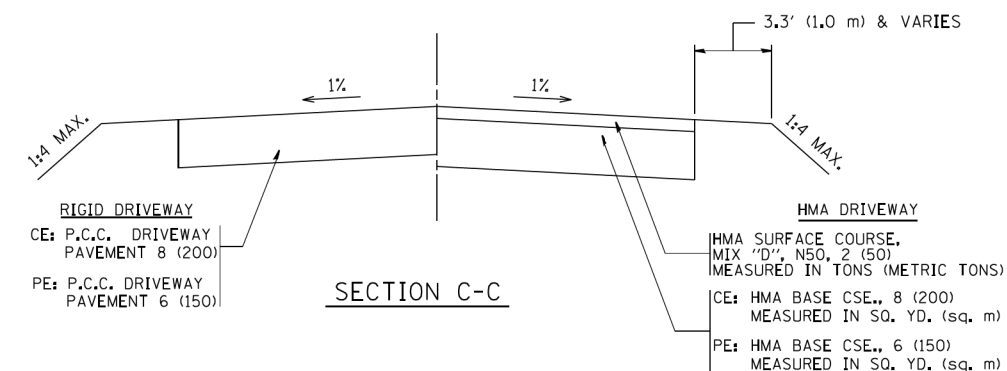
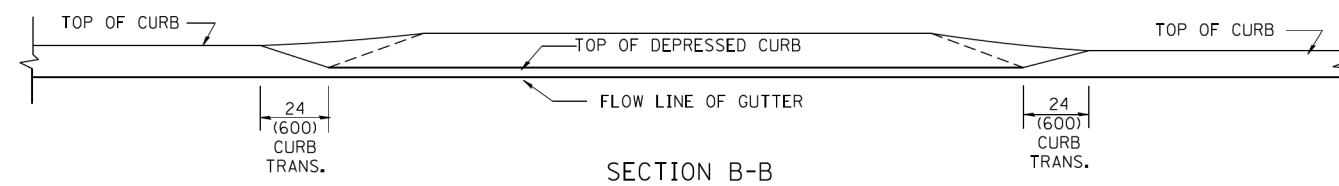
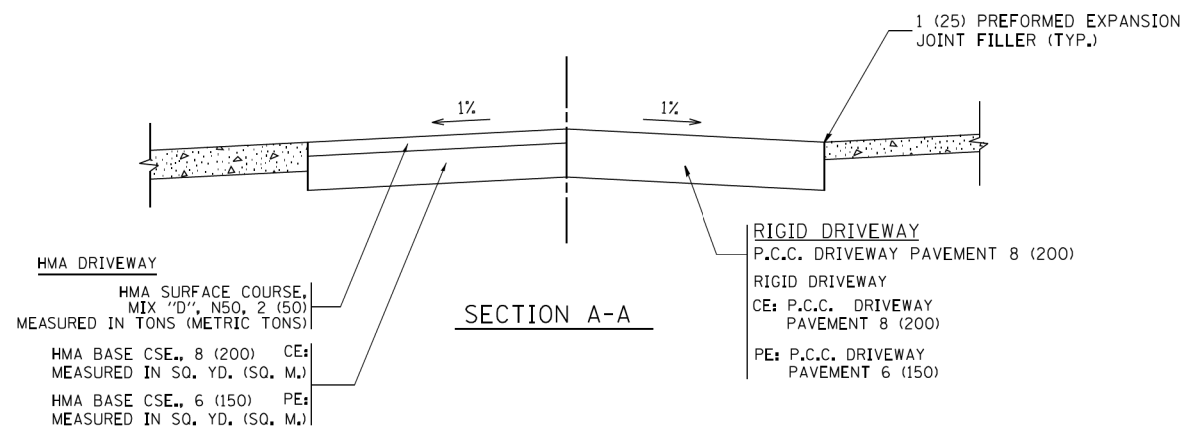
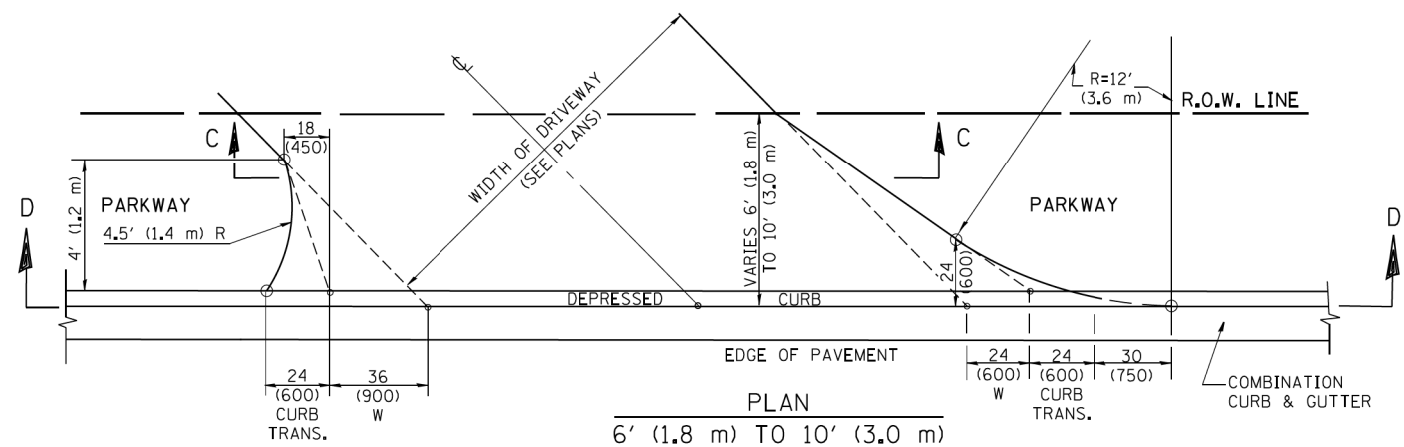
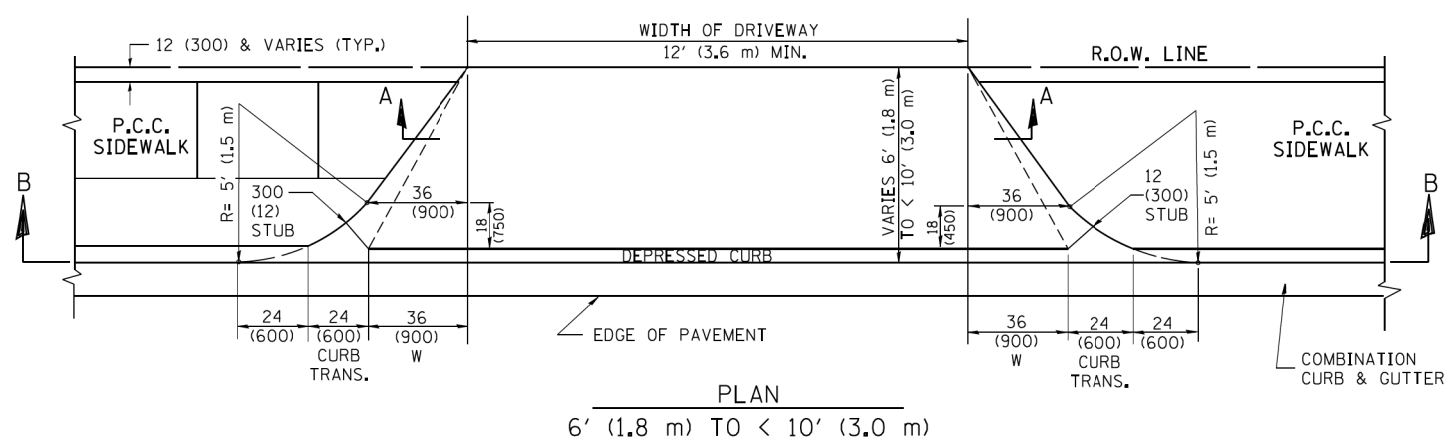
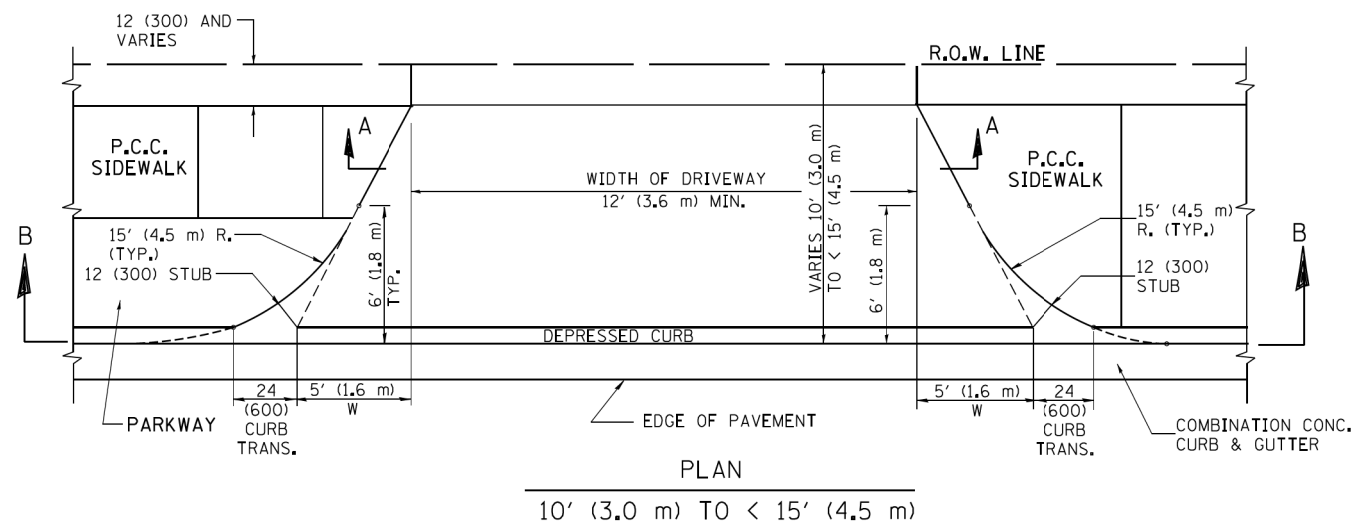


FILE NAME =	USER NAME = lcyss	DESIGNED - R. SHAH	REVISED - P. LaFLUER 04-15-03
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		CHECKED -	REVISED - R. BORO 06-11-08
		DATE - 11-04-95	REVISED - R. BORO 09-06-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.U. RTE. 13177-2562	SECTION 21-00137-00-RS	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 60
BD0156-07 (BD-01)		CONTRACT NO. 61H72		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

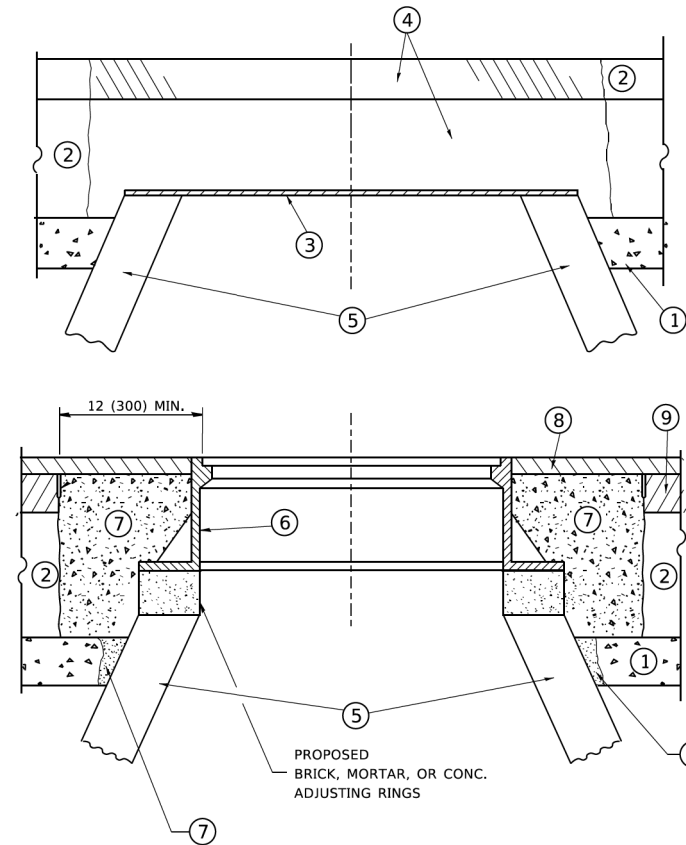
"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

FILE NAME =	USER NAME = lryse	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01
ca:\pwork\pwork\lryse\d0108315\bd02.dgn		DRAWN -	REVISED - P. LOFLEUR 04-15-03
	PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED - R. BORO 01-01-07
	PLOT DATE = 10/28/2011	DATE - 11-06-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRIVEWAY DETAILS		F.A.U. RTE. 13172-2562	SECTION 21-00137-00-RS	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 61
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)		BD400-02 (BD-02)		CONTRACT NO. 61H72		
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1½ (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1 * CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS PP-1 *CONCRETE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

LOCATION OF STRUCTURES

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

NOTES

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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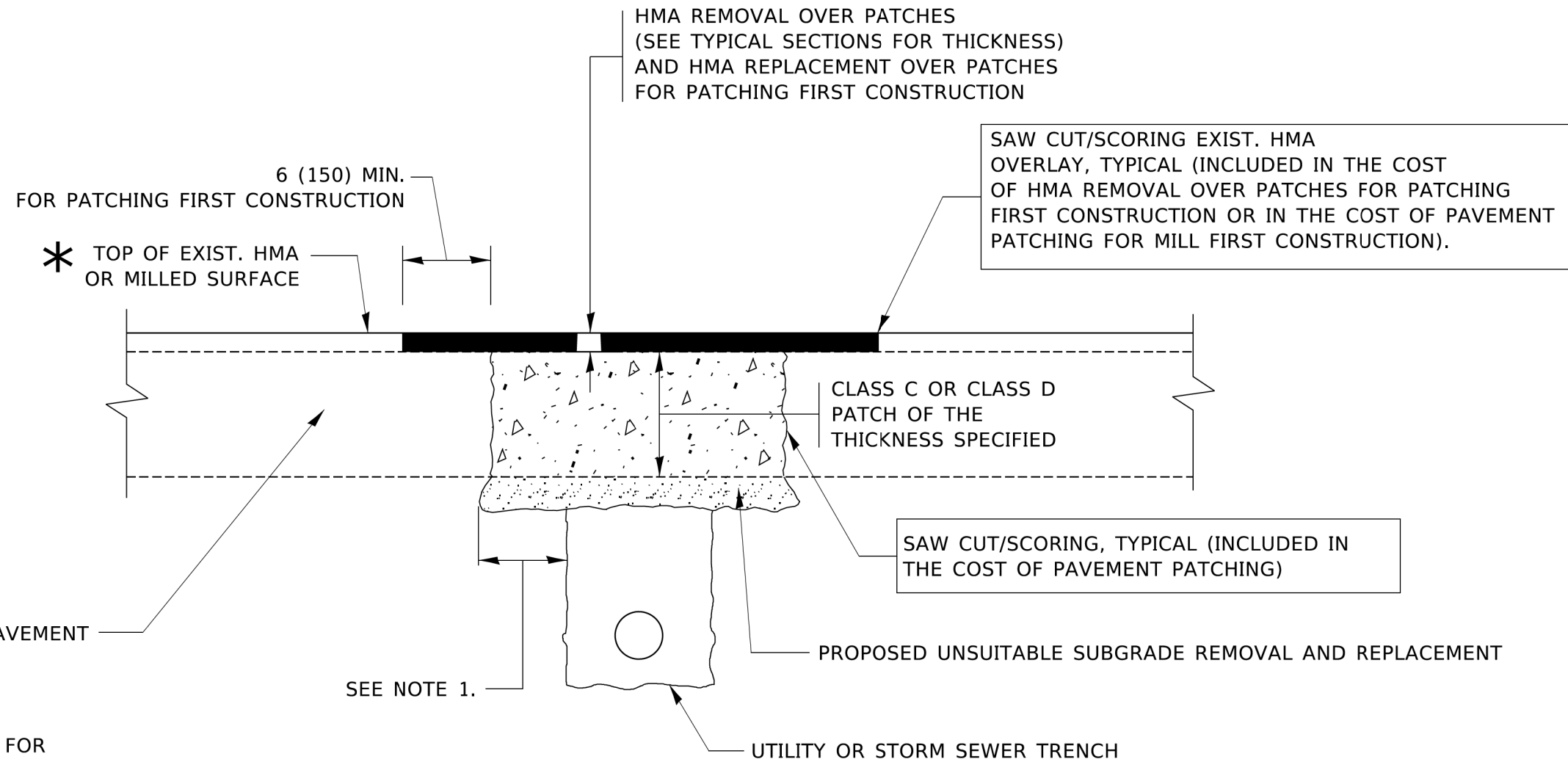
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	DRAWN -	REVISED - R. BORO 01-01-07
PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED - R. BORO 03-09-11
PLOT DATE = 3/27/2019	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

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

F.A.U. RTE. 13172-2562	SECTION 21-00137-00-R5	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 62
BD600-03 (BD-8)		CONTRACT NO. 61H72		
ILLINOIS FED. AID PROJECT				



NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

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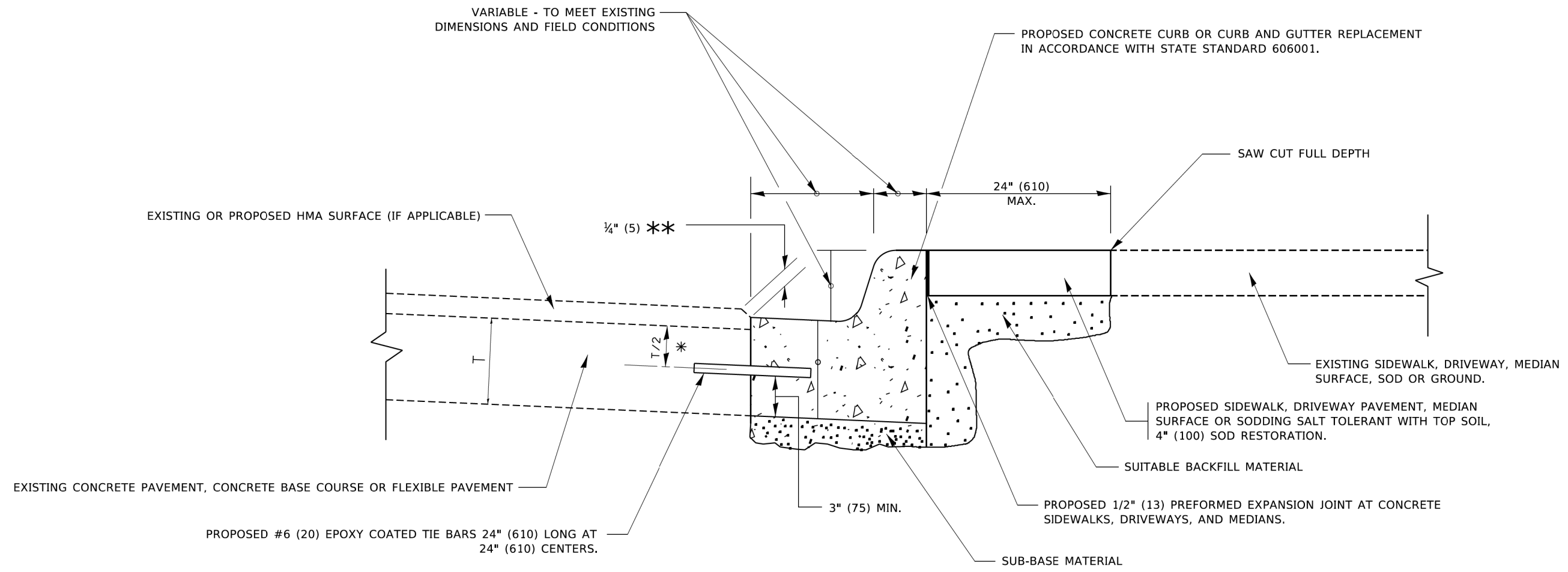
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	DRAWN -	REVISED - R. BORO 01-01-07
PLOT SCALE = 50,0000' / 1"	CHECKED -	REVISED - R. BORO 09-04-07
PLOT DATE = 3/27/2019	DATE - 10-25-94	REVISED - K. ENG 10-27-08

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT

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

F.A.U. RTE. 13177 2562	SECTION 21-00137-00-RS	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 63
BD400-04 (BD-22)			CONTRACT NO. 61H72	
ILLINOIS FED. AID PROJECT				



- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

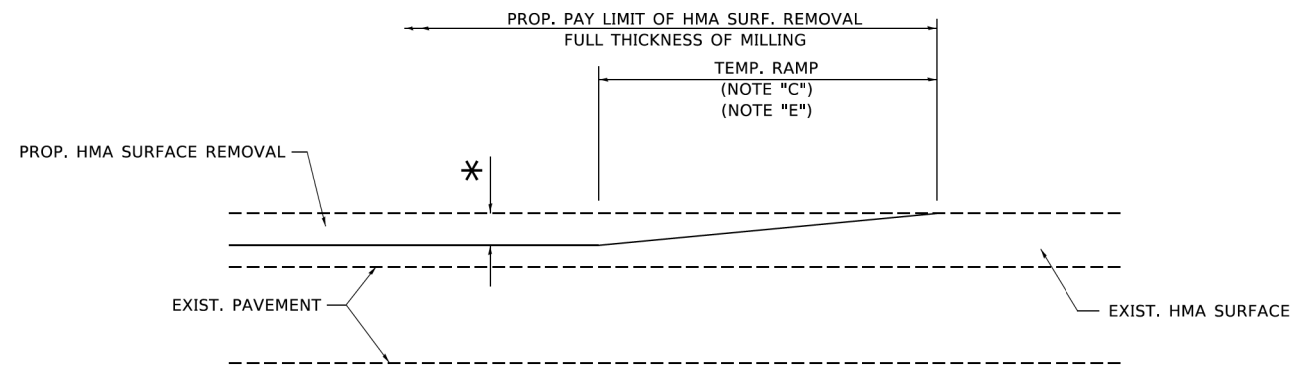
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USER NAME = footemj	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 01-22-01
PLOT SCALE = 50,0000' / ft.	CHECKED -	REVISED - R. BORO 12-15-09
PLOT DATE = 7/11/2019	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

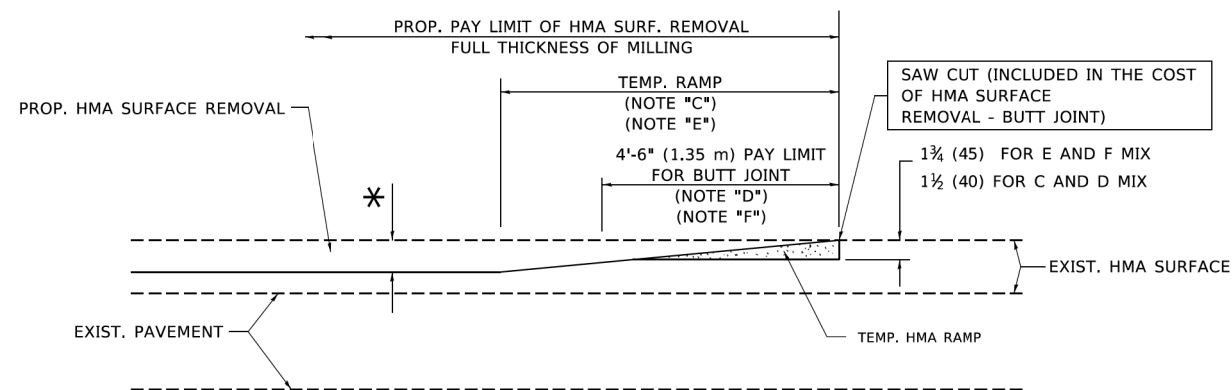
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BD600-06 (BD-24)		CONTRACT NO. 61H72		
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

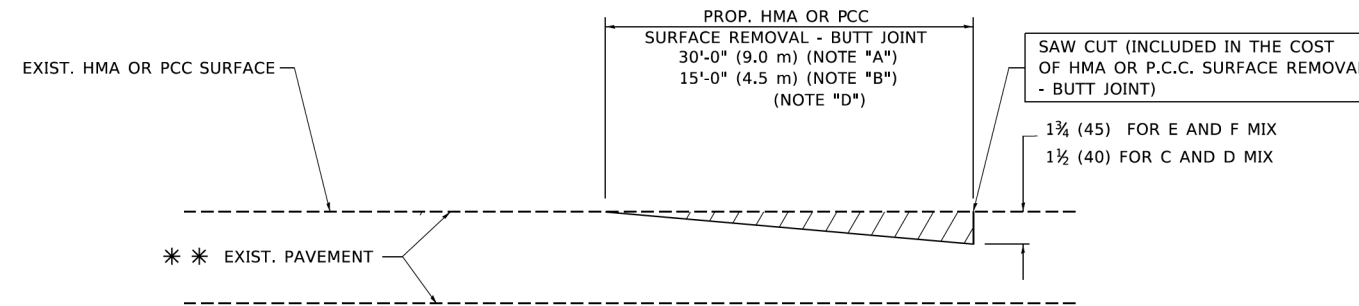


HMA CONSTRUCTED TEMPORARY RAMP

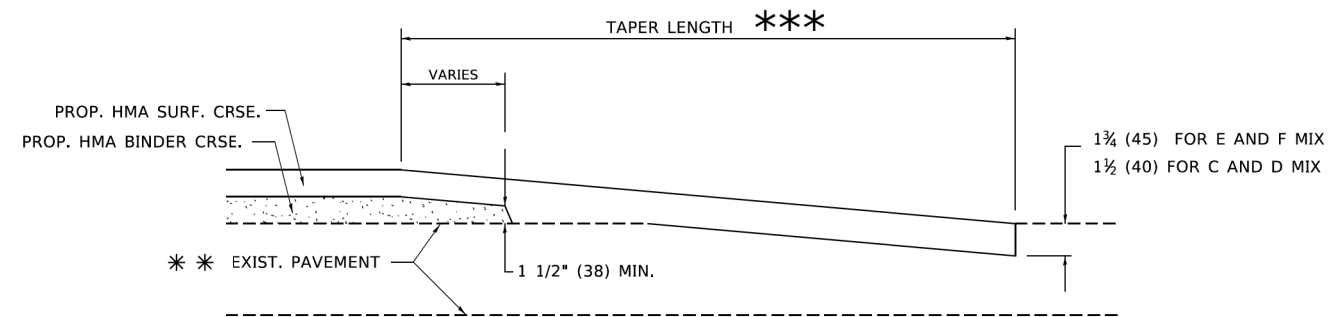
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

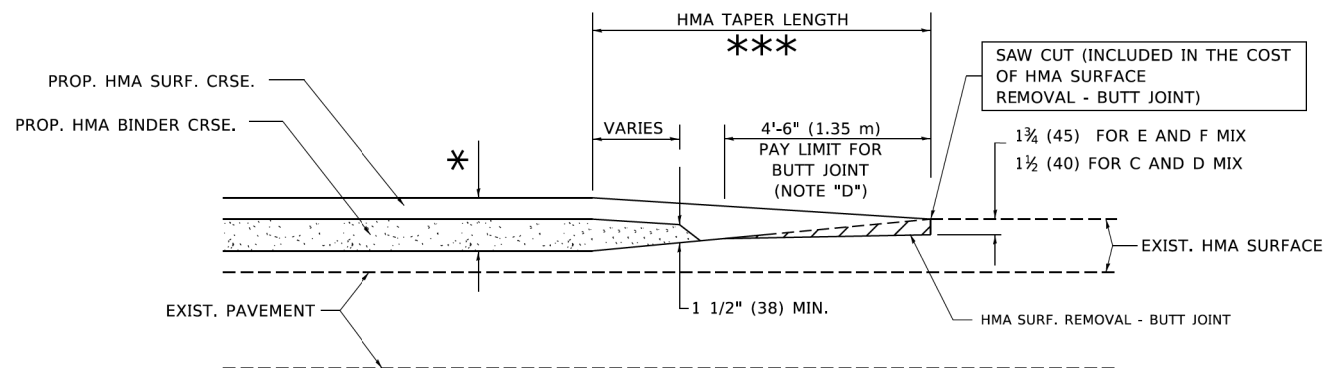
NOTES

- A. MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F. INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- G. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

MODEL: Default
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	DRAWN -	REVISED - A. ABBAS 03-21-97
PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED - M. GOMEZ 04-06-01
PLOT DATE = 3/27/2019	DATE - 06-13-90	REVISED - R.BORO 01-01-07

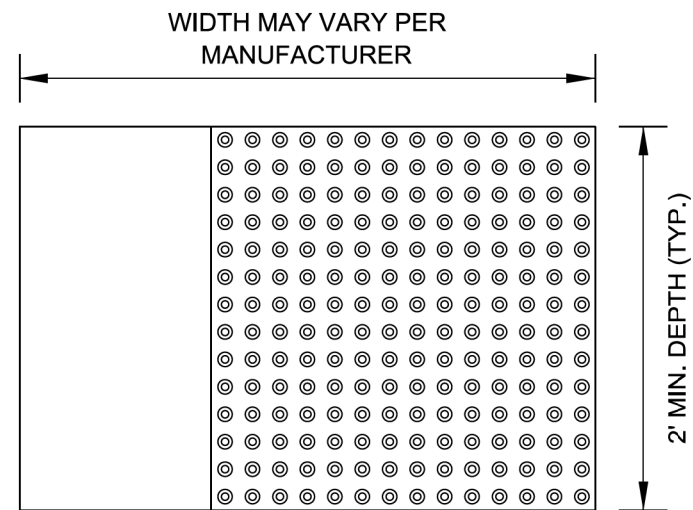
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

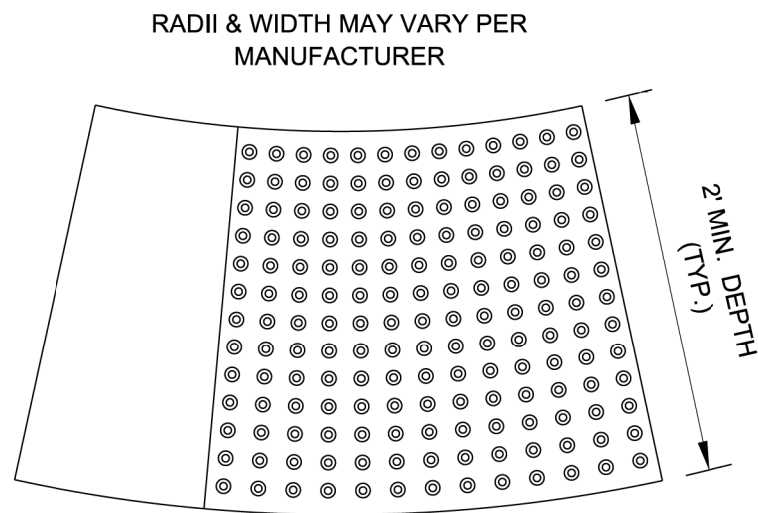
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F.A.U. RTE. 13172-2562	SECTION 21-00137-00-RS	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 65
BD400-05 BD32		CONTRACT NO. 61H72		
ILLINOIS FED. AID PROJECT				

STRAIGHT DETECTABLE WARNING UNITS



RADIAL DETECTABLE WARNING UNITS

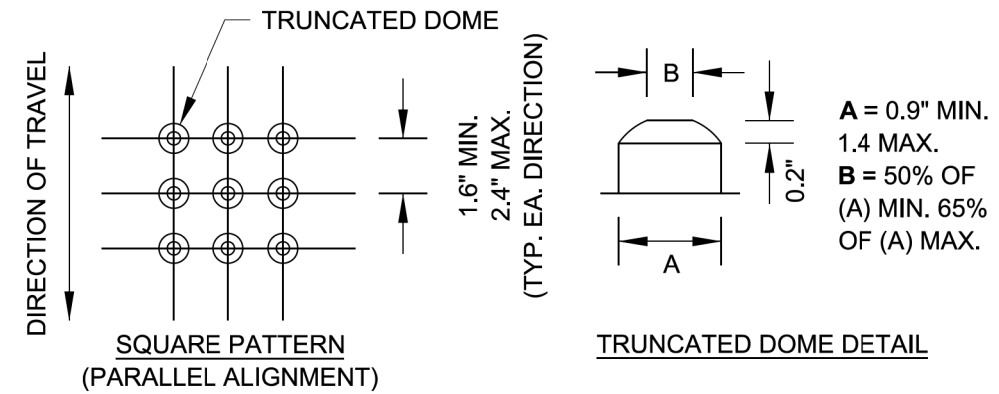


DETECTABLE WARNING UNIT SIZES

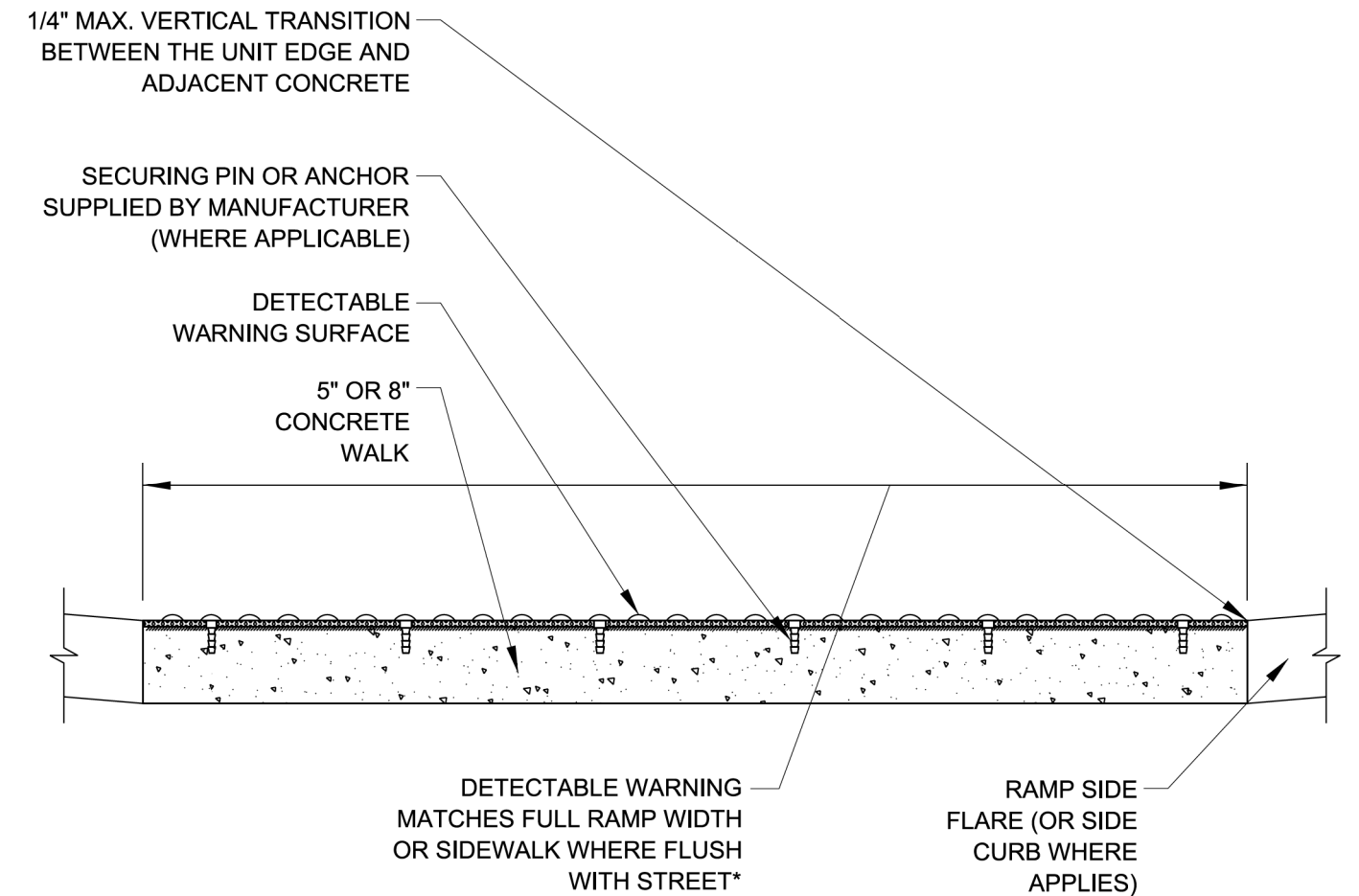
- VERIFY ALL DIMENSIONS WITH THE PRODUCT MANUFACTURER.
- IF USING RADIAL UNITS, VERIFY THAT THE CURB RADIUS MATCHES AVAILABLE UNIT RADII WITH THE PRODUCT MANUFACTURER.

GENERAL NOTE:

THE ROWS OF DOMES IN THE DETECTABLE WARNING MATERIAL MUST BE ALIGNED WITH THE PATH OF WHEELCHAIR TRAVEL WHICH IS REQUIRED TO BE PERPENDICULAR TO THE GRADE BREAK AT THE BOTTOM OF THE RAMP TO PERMIT TRACKING BETWEEN DOME ROWS. ON BLENDED TRANSITIONS OR FLUSH TRANSITIONS, WHERE RADIAL UNITS ARE SITUATED ABOUT THE CURB RADIUS, DOME ORIENTATION IS NOT SIGNIFICANT.



UNIT PATTERN & DOME DETAIL



*A BORDER OF 2 INCHES OR LESS AROUND THE DETECTABLE WARNING SURFACE IS ACCEPTABLE IF REQUIRED FOR PROPER INSTALLATION OF THE DETECTABLE WARNING SURFACE PRODUCT

DETECTABLE WARNING UNIT SECTION

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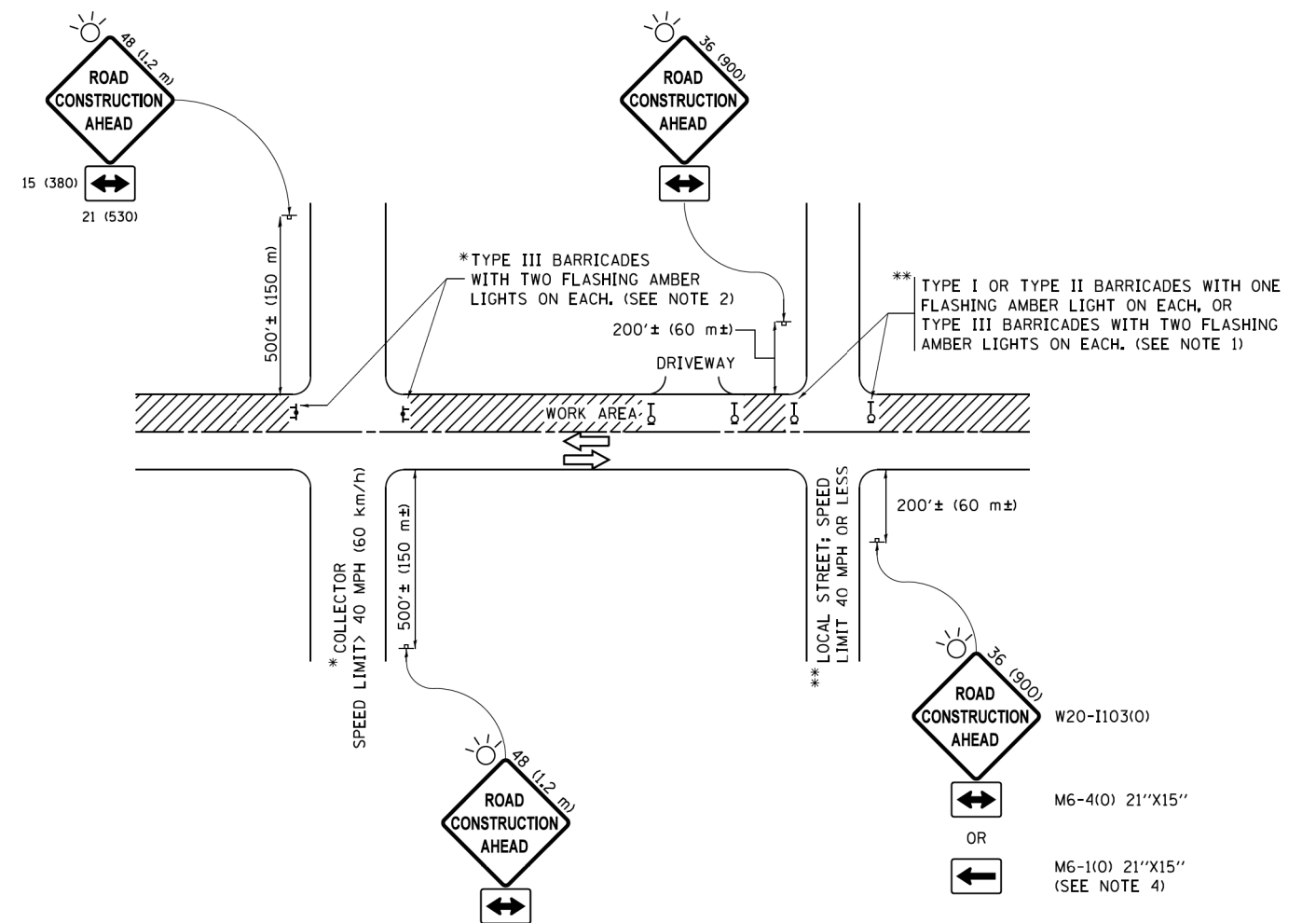
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	DRAWN -	REVISED -
PLOT SCALE = 50,0000' / ft.	CHECKED -	REVISED -
PLOT DATE = 10/8/2019	DATE - 06-20-2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO
DETECTABLE WARNINGS

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

F.A.U. RTE. 13172-2562	SECTION 21-00137-00-RS	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 66
BD 58		CONTRACT NO. 61H72		
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

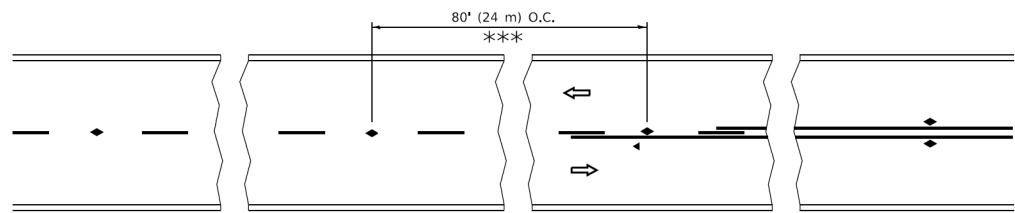
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	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

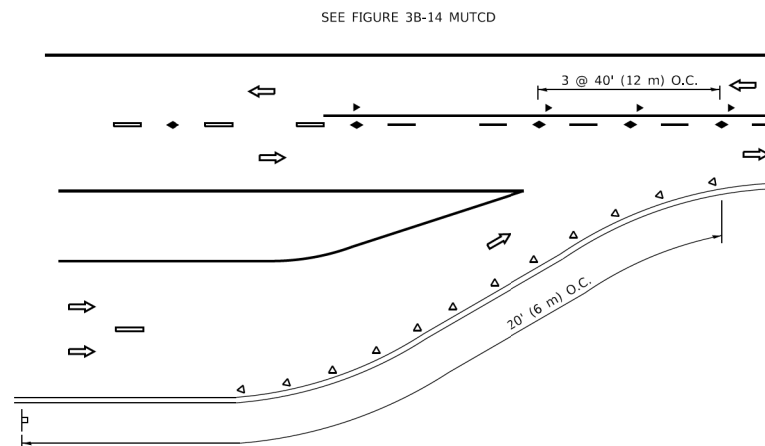
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TC-10		CONTRACT NO. 61H72		
ILLINOIS FED. AID PROJECT				

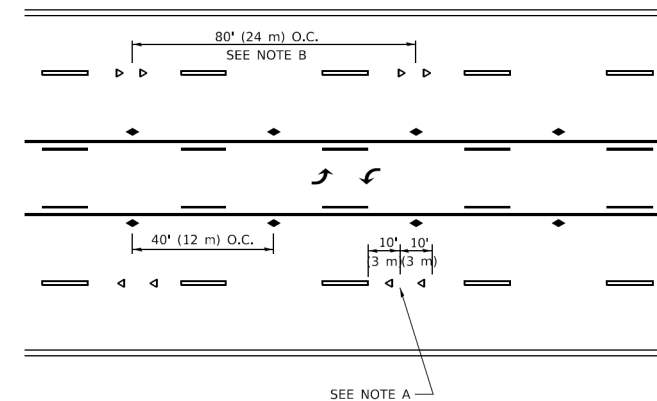


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

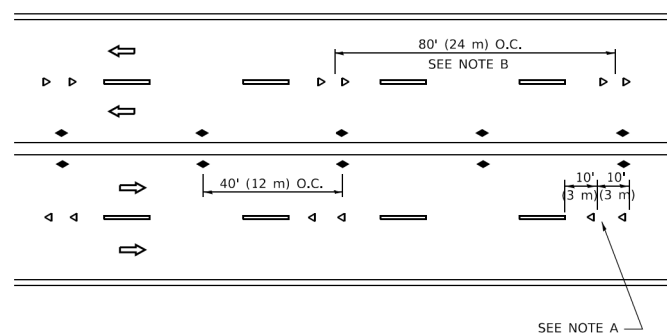
TWO-LANE/TWO-WAY



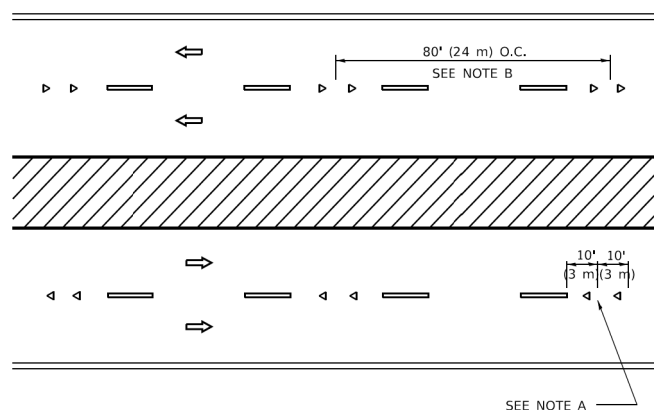
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

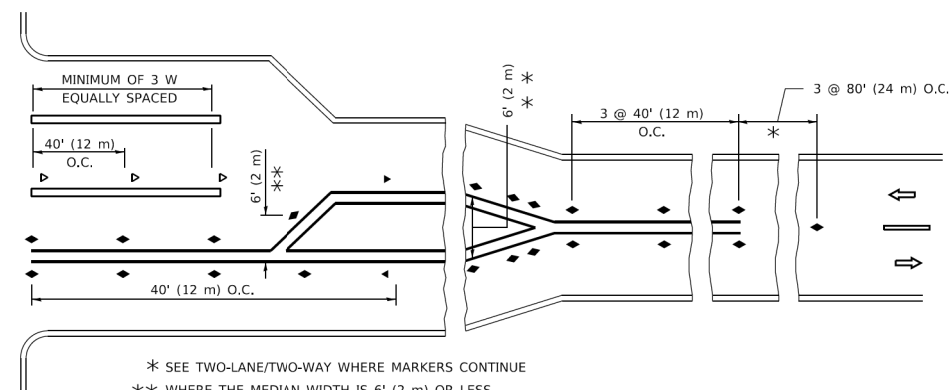
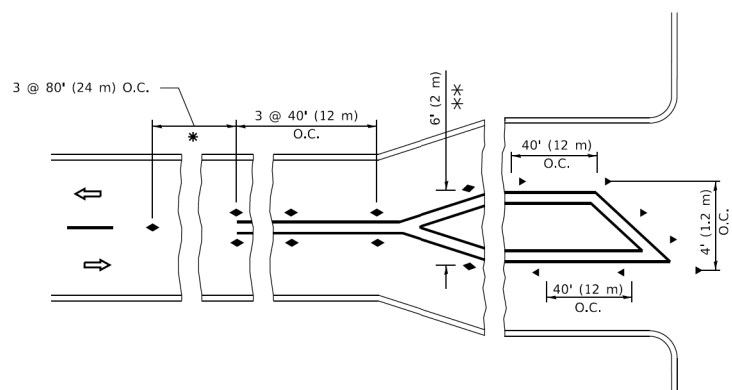
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

TURN LANES

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

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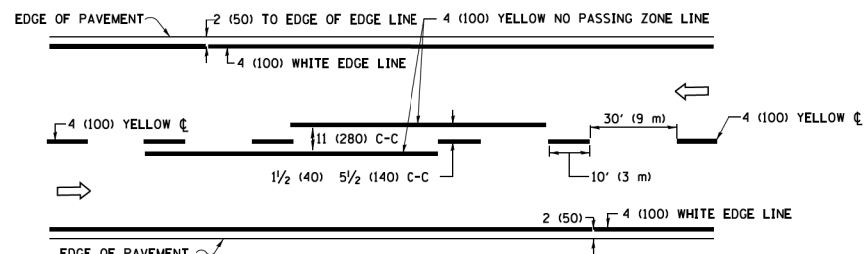
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PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

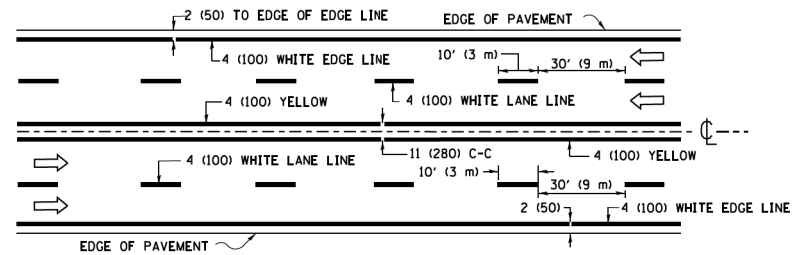
**TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

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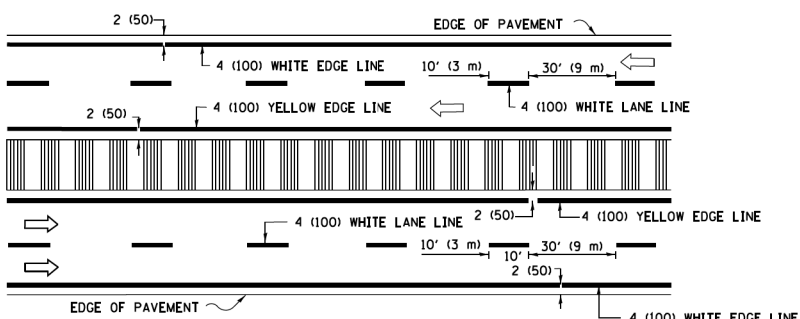
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TC-11		CONTRACT NO. 61H72		
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

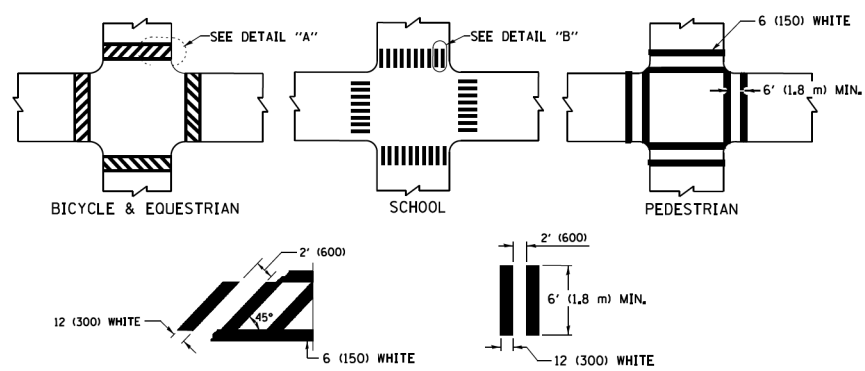


MULTI-LANE UNDIVIDED



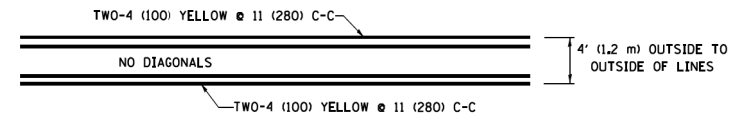
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

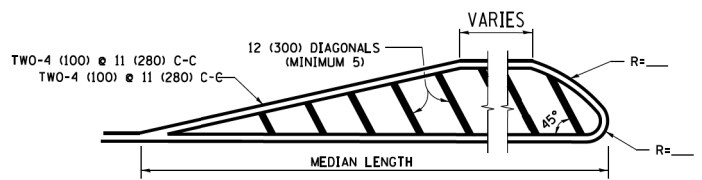


TYPICAL CROSSWALK MARKING

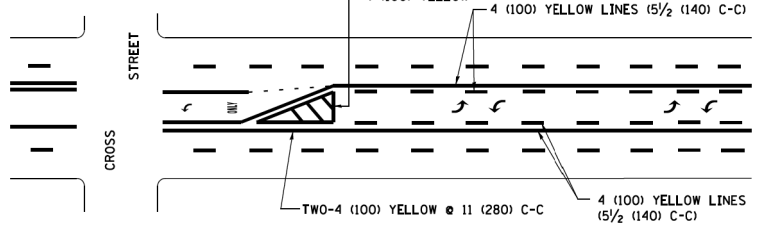
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



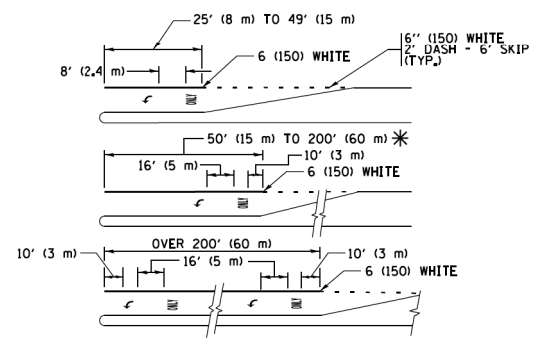
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE



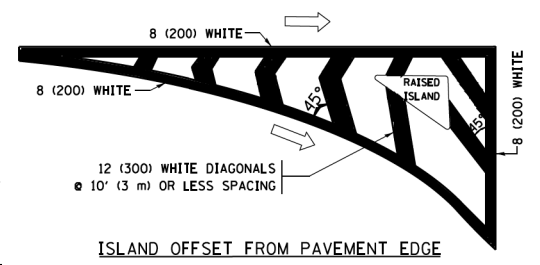
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



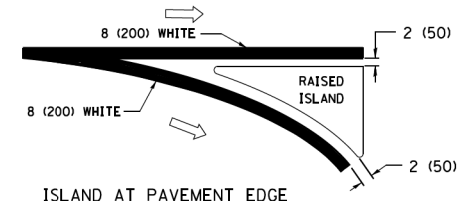
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

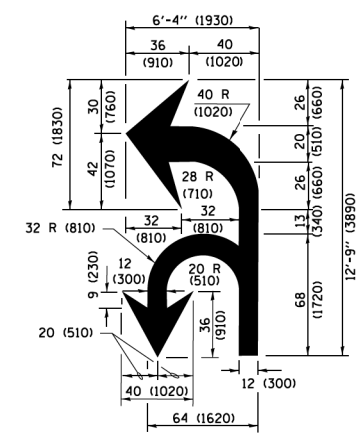
TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING



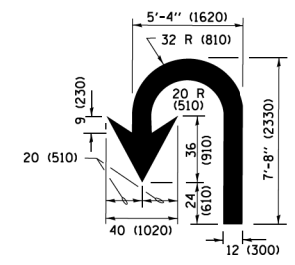
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

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

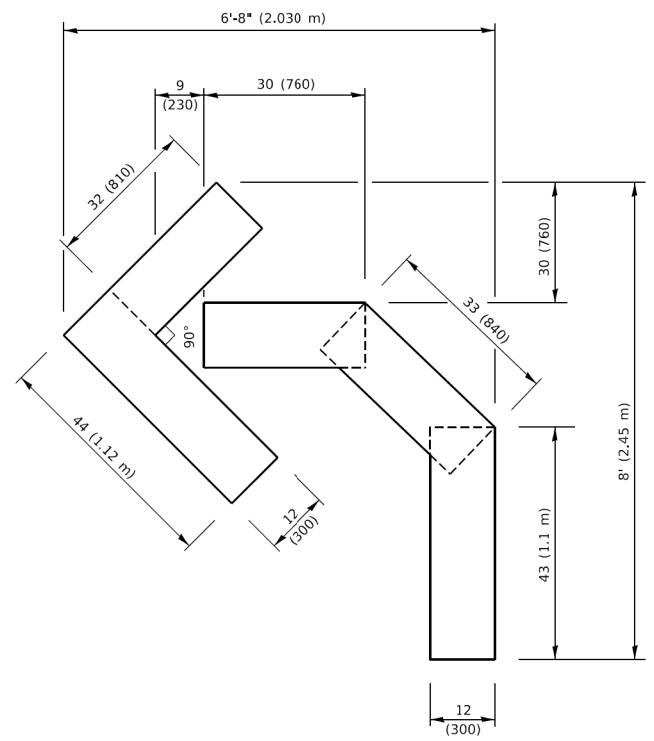
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

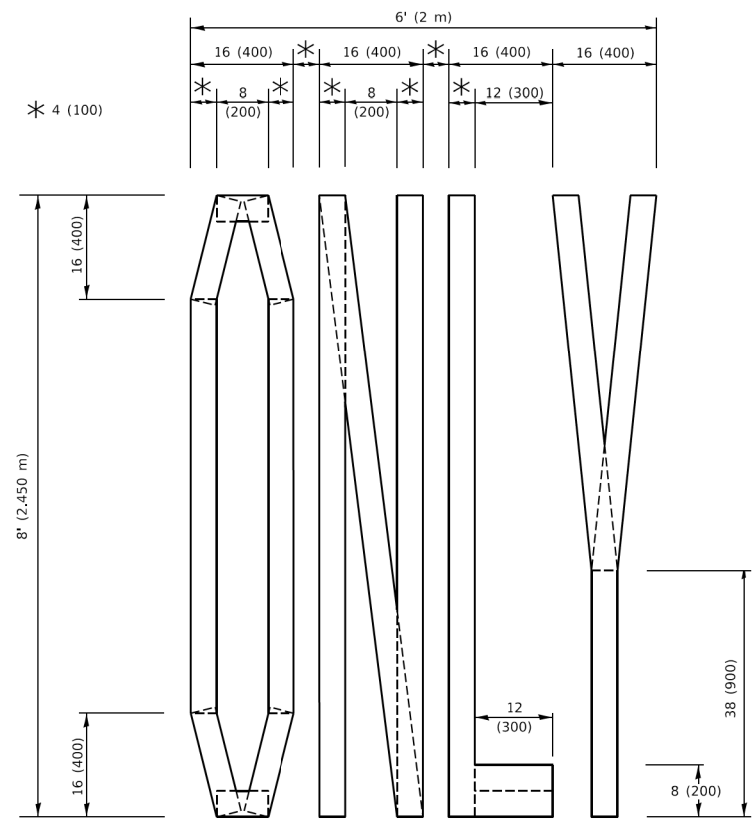
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

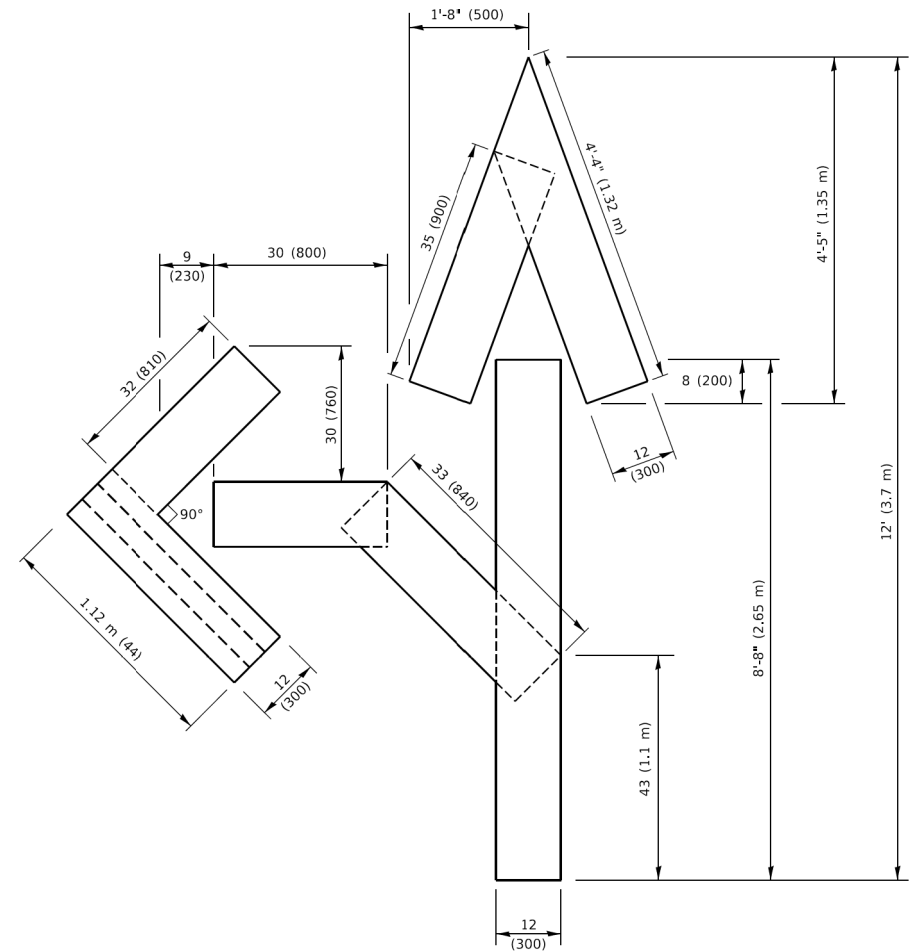
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TYPICAL PAVEMENT MARKINGS		TC-13		CONTRACT NO. ILLINOIS/FED. AID PROJECT		
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.				



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

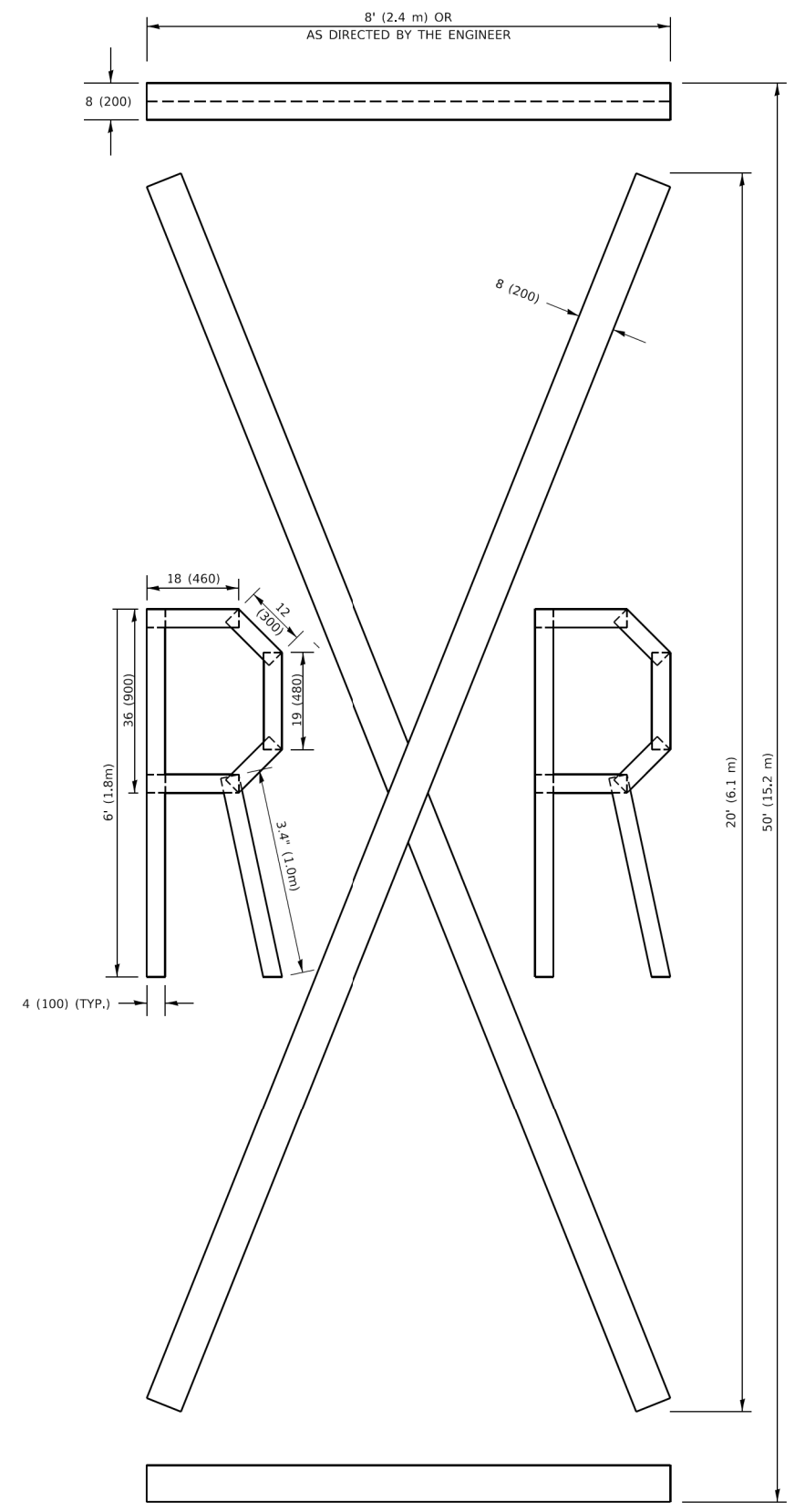


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



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

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



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

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

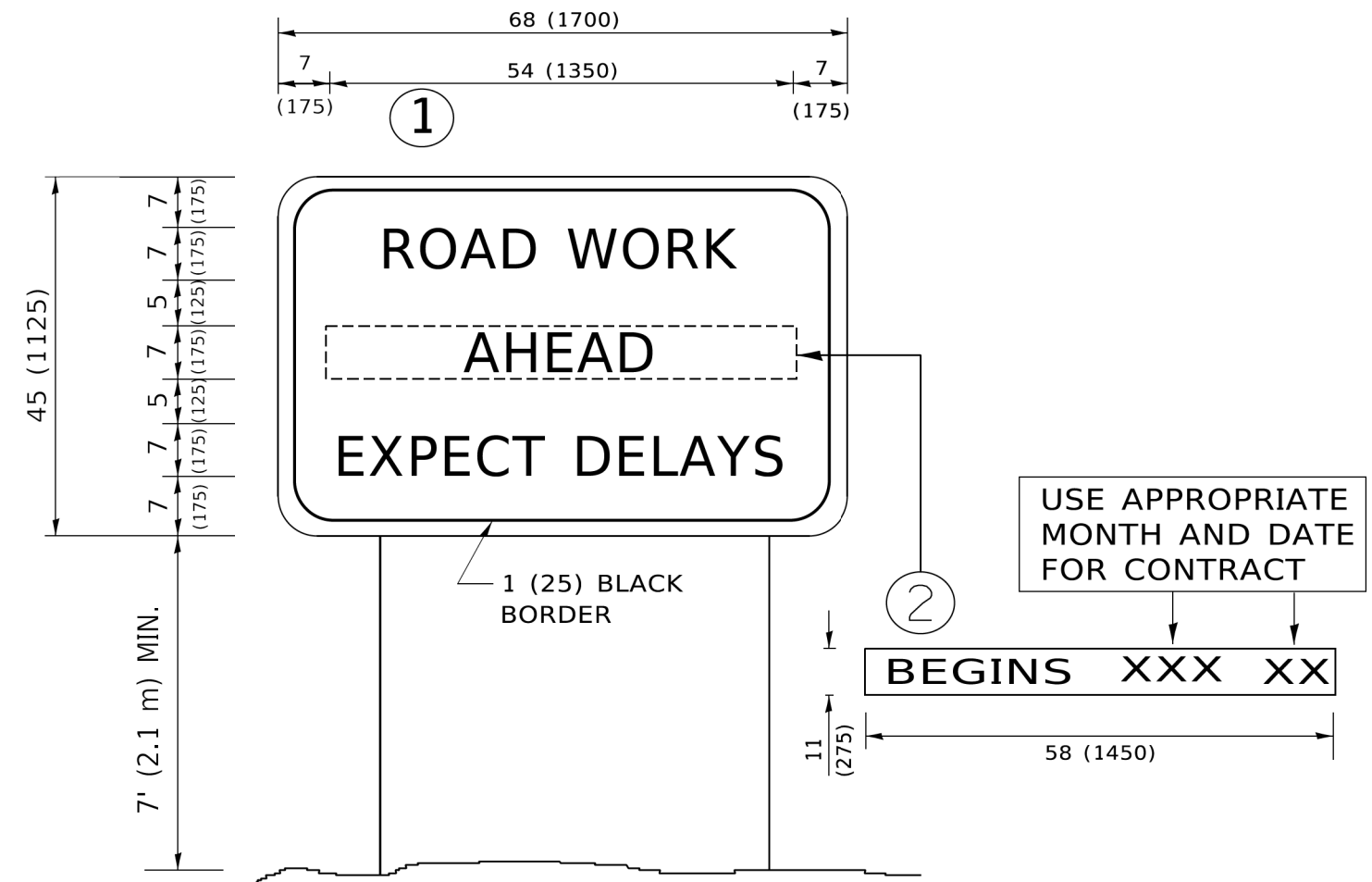
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USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 50.0068" / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS			
SCALE: NONE	SHEET 1	OF 1	SHEETS
STA.	TO STA.		

F.A.U. RTE. 13177-2562	SECTION 21-00137-00-RS	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 70
TC-16		CONTRACT NO. 61H72		
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

MODEL: Default
FILE NAME: P:\011084\BID\NTEG\Illinois.gov\PIV\DOT\Documents\DOT_Offices\District_1\Projects\Dist1\2017-21\CADD\Info\CAD\Sheet122.dgn

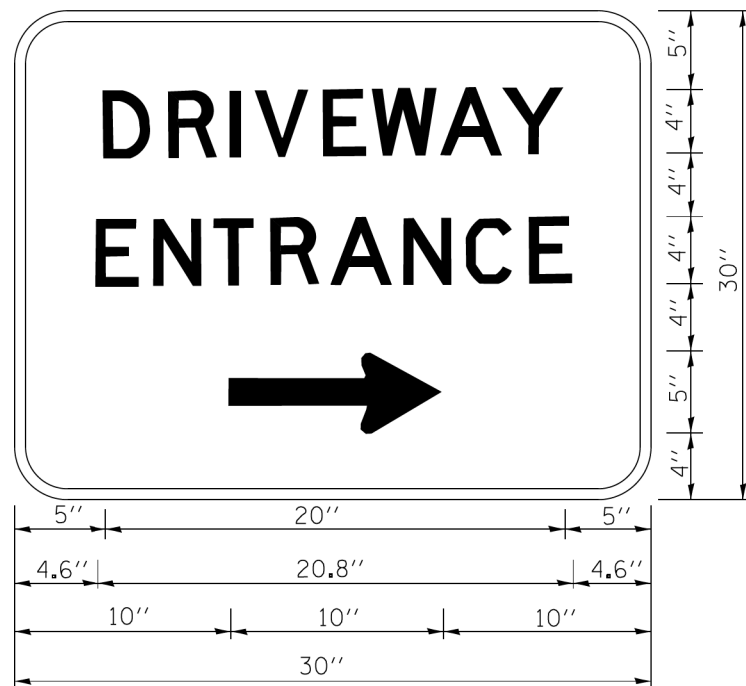
USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.U. RTE. 317 2562	SECTION 21-00137-00-RS	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 71
TC-22		CONTRACT NO. 61H72		
ILLINOIS FED. AID PROJECT				



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

NOTES:

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

FILE NAME =	USER NAME = gaglianob	DESIGNED -	REVISED - C. JUCIUS 02-15-07
ca\pwork\pwork\gaglianob\d0108315\tp6.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE. 317 2562	SECTION 21-00137-00-RS	COUNTY COOK	TOTAL SHEETS 72	SHEET NO. 72
TC-26		CONTRACT NO. 61H72		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				