

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.U. RTE. 1334	SECTION 14-00301-00-BT	COUNTY COOK	TOTAL SHEETS 53	SHEET NO. 1
TE-00D1(976)		ILLINOIS	CONTRACT NO. 61D09	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

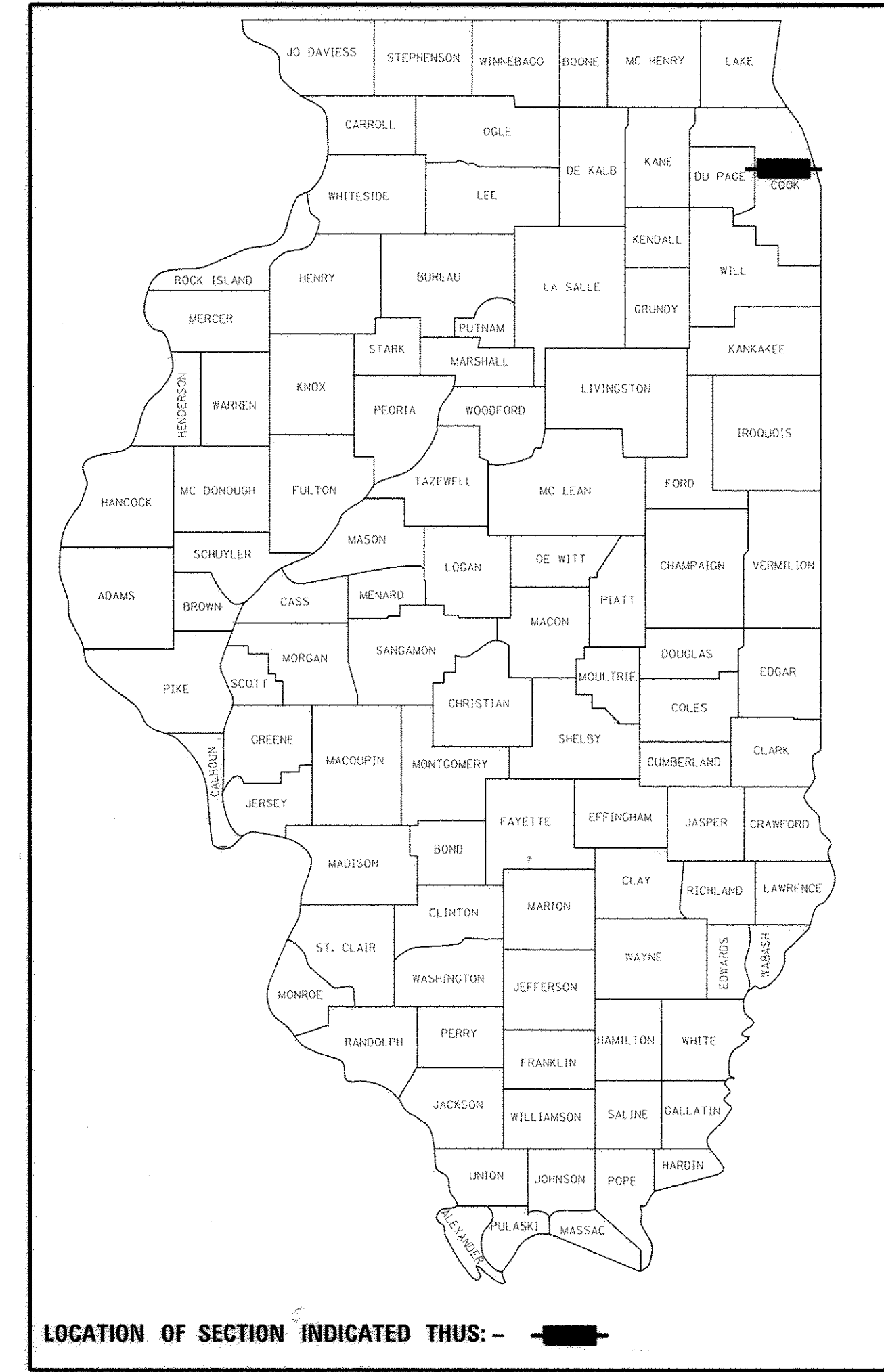
FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

**TRAFFIC DATA**  
HOWARD STREET (MAJOR COLLECTOR)  
2014 ADT: 13,900  
POSTED SPEED LIMIT: 35 MPH  
DESIGN SPEED LIMIT: 35 MPH

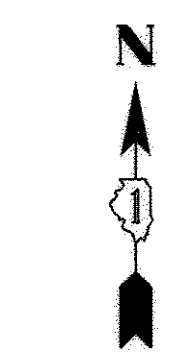
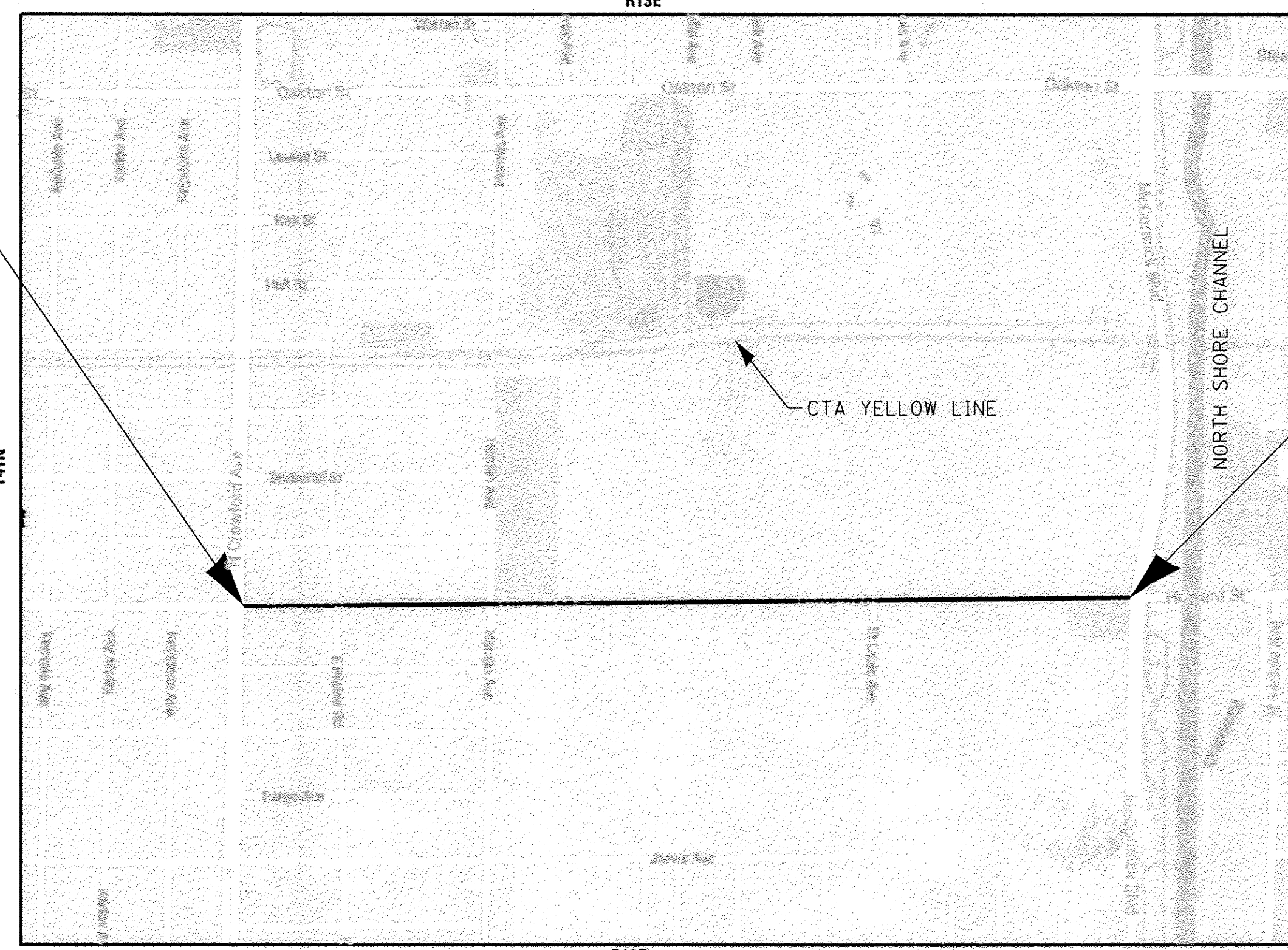
# PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU 1334 (HOWARD STREET)  
SECTION: 14-00301-00-BT  
PROJECT: TE-00D1(976)  
BIKE TRAIL  
VILLAGE OF SKOKIE  
COOK COUNTY

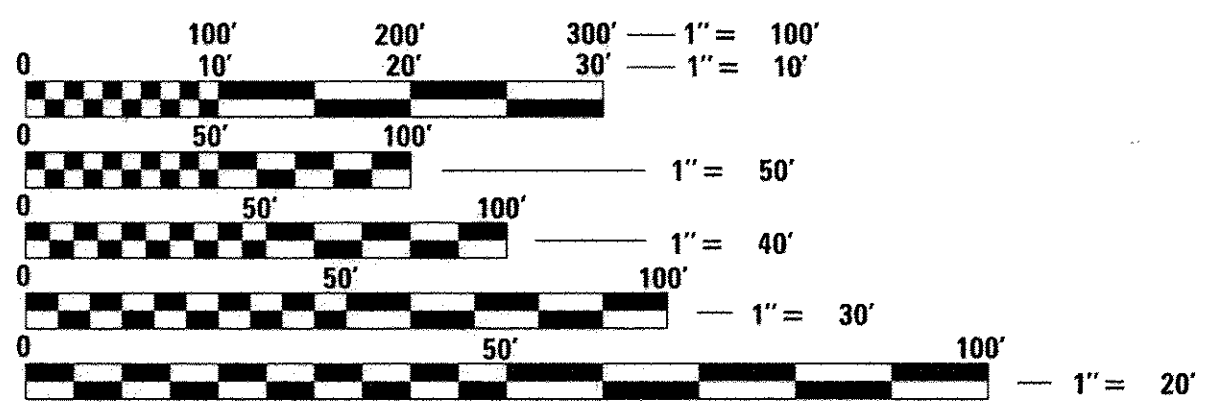
C-91-461-14  
LOCATION MAP



HOWARD STREET (FAU 1334)  
IMPROVEMENT BEGINS  
STA. 10 + 85



HOWARD STREET (FAU 1334)  
IMPROVEMENT ENDS  
STA. 57 + 23



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.

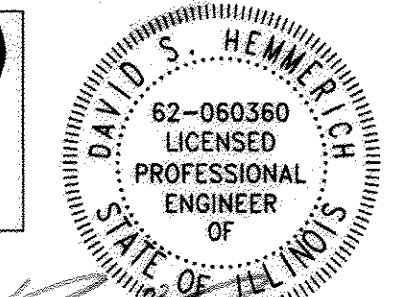
J.U.L.I.E. DESIGN STAGE REQUEST  
DIG. No. A0400670



CONTACT JULIE AT 811 OR 800-892-0123 WITH THE FOLLOWING:  
COUNTY = COOK  
CITY-TWNSHP. = SKOKIE-NILES  
SEC. & 1/4 SEC. NO. = S26  
48 HOURS (2 working days) BEFORE YOU DIG

GROSS LENGTH = 4,638 FT. = 0.878 MILE  
NET LENGTH = 4,638 FT. = 0.878 MILE

**BAXTER & WOODMAN**  
Consulting Engineers



PROJECT MANAGER  
"LICENSE EXPIRES 11-30-2017"

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APPROVED 6/15/16  
[Signature] VILLAGE OF SKOKIE

PASSED JULY 14, 2016  
[Signature] CHRISTOPHER HOLT  
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW July 13, 2016  
[Signature] REGIONAL ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

PROGRAM AND OFFICE ENGINEER: CHARLES F. REDDLE, P.E. 847-705-4406 SCHAUMBURG, IL

**GENERAL NOTES**

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE LATEST EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "MANUAL OF TEST PROCEDURES FOR MATERIALS" AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".
- THE LOCATIONS OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS REPRESENTS ONLY THE OPINION OF THE ENGINEER AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER AND THE ACCURACY IS NOT GUARANTEED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES, INCLUDING SPRINKLER SYSTEMS, EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS.
- THE CONTRACTOR SHALL NOTIFY THE VILLAGE PUBLIC WORKS DIRECTOR AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN VILLAGE UTILITY LOCATIONS.
- THE CONTRACTOR MAY OBTAIN MUNICIPAL WATER IN BULK, AT NO CHARGE, AS LONG AS THERE IS NOT A "WATERING BAN" IN EFFECT. THE INDISCRIMINATE USE OF FIRE HYDRANTS IS STRICTLY PROHIBITED. WATER FOR CONSTRUCTION SHALL BE METERED OR OTHERWISE ACCOUNTED FOR AND A DAILY LOG MAINTAINED. THE CONTRACTOR SHALL PROVIDE THE WATER TRUCK AND DRIVER REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE VILLAGE RESERVES THE RIGHT TO RESTRICT OR REFUSE THE USE OF VILLAGE WATER IF DEEMED NECESSARY.
- ACCESS TO PRIVATE AND COMMERCIAL DRIVEWAYS SHALL BE PROVIDED AT ALL TIMES EXCEPT DURING ACTUAL CONSTRUCTION ADJACENT THERE TO. TEMPORARY RAMPS SHALL BE CONSTRUCTED AS NEEDED TO PROVIDE SUCH ACCESS, UTILIZING AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS.
- EXISTING PAVEMENT, DRIVEWAY PAVEMENT, CURB AND GUTTER AND SIDEWALK TO REMAIN IN PLACE SHALL BE SAW CUT FULL DEPTH TO PROVIDE A NEAT VERTICAL FACE BETWEEN THE PROPOSED AND EXISTING AND SHALL BE INCLUDED IN THE PRICE OF THE APPROPRIATE REMOVAL PAY ITEM.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VILLAGE, RESIDENTS AND THE ENGINEER WHEN ACCESS TO DRIVEWAYS WILL BE TEMPORARILY CLOSED DUE TO CURB AND GUTTER AND/OR DRIVEWAY REPLACEMENT. THE CONTRACTOR SHALL DISTRIBUTE NOTICES PROVIDED BY THE VILLAGE TO RESIDENTS AT LEAST 24 HOURS PRIOR TO PLANNED CLOSURE. EVERY EFFORT SHALL BE MADE TO ACCOMMODATE ACCESS TO THESE PROPERTIES INCLUDING KNOCKING ON DOORS WHEN DRIVEWAYS ARE ABOUT TO BE CLOSED.
- TRANSVERSE EXPANSION JOINTS 3/4" SHALL BE PLACED EVERY 50 FEET IN SIDEWALK OR AS DETERMINED BY THE ENGINEER. TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED EVERY 5- FEET.
- A 1/2-INCH THICK EXPANSION JOINT SHALL BE PROVIDED AT THE JUNCTION OF THE DRIVEWAY APRON AND CURB, AND AT THE JUNCTION OF THE DRIVEWAY APRON AND THE SIDEWALK. THIS WORK WILL BE INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT.
- THE CONTRACTOR SHALL CONTACT THE LOCAL AGENCY MATERIAL INSPECTOR AT LEAST 48 HOURS PRIOR TO ANY CONCRETE OR HOT-MIX ASPHALT MATERIAL DELIVERIES.
- IN AREAS WHERE THE EXISTING DRIVEWAY, SIDEWALK, OR CURB AND GUTTER IS TO BE REMOVED AND REPLACED, THE REMOVAL AND DISPOSAL OF ANY ADDITIONAL MATERIAL REQUIRED TO ESTABLISH THE PROPOSED DRIVEWAY, SIDEWALK, OR CURB AND GUTTER SUBGRADE ELEVATION SHALL BE INCLUDED IN THE APPROPRIATE REMOVAL PAY ITEMS.
- THE CONTRACTOR WILL BE REQUIRED TO USE A STEEL PLATE OR PLATES TO CLOSE ANY GAPS OCCURRING WHEN A FRAME IS OFFSET FROM THE STRUCTURE. THE STEEL PLATE SHALL BE 1/2-INCH THICK AND APPROXIMATELY 6-INCH WIDE BY 24-INCH LONG. SOME ADJUSTMENT IN SIZE MAY BE NECESSARY TO PREVENT THE STEEL PLATE FROM OVERHANGING THE OUTSIDE OF THE STRUCTURE WALL. THE STEEL PLATE SHALL BE BEDDED IN AND COVERED WITH MORTAR. THIS WORK SHALL BE INCLUDED IN THE COST OF STRUCTURE ADJUSTMENTS OR STRUCTURE RECONSTRUCTIONS.
- THE CURB SHALL BE TAPERED TO THE GUTTER IN A FIVE (5) FOOT LENGTH WHEREVER THE CURB AND GUTTER TERMINATES, WITH AN EXPANSION JOINT PLACED AT THE START OF THE TAPER.
- THE COST OF MAKING ANY SEWER CONNECTIONS TO EXISTING DRAINAGE STRUCTURES OR PIPE SHALL BE INCLUDED IN THE COST OF THE NEW SEWER OR STRUCTURE. ANY ADDITIONAL STORM SEWER PIPE REQUIRED TO MAKE THE CONNECTION SHALL BE OF THE SAME SIZE AND MATERIAL TYPE AS THE EXISTING STORM SEWER AND SHALL BE INCLUDED IN THE COST OF THE SEWER OR STRUCTURE.
- STORM STRUCTURE OFFSET LOCATIONS ARE TO THE EDGE OF PAVEMENT IF THE STRUCTURE IS IN THE CURB LINE OR TO THE CENTER OF STRUCTURE IF THE STRUCTURE IS NOT IN THE CURBLINE.
- IN ALL TRENCHES CROSSING DRIVEWAYS, SIDEWALKS, AND ALL PROPOSED AND EXISTING ROADWAYS, THE MATERIAL FOR THE TOP 12 INCHES SHALL BE CA-6 CRUSHED GRAVEL OR CRUSHED STONE AND BE INCLUDED IN THE PAY ITEM FOR TRENCH BACKFILL.
- FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW STRUCTURES SHALL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF COST OF THE STRUCTURE.

- DURING CONSTRUCTION, THE CONTRACTOR WILL BE PERMITTED TO LIMIT ON-STREET PARKING IN ORDER TO COMPLETE CONSTRUCTION OPERATIONS. THE CONTRACTOR WILL BE REQUIRED TO COORDINATE WITH THE MUNICIPALITY A MINIMUM OF 48 HOURS IN ADVANCE. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PLACE ADVANCE SIGNS TO ALERT RESIDENTS AND COMMUTERS OF THE CONSTRUCTION WORK. THE PLACEMENT OF THESE SIGNS SHALL TAKE PLACE 48 HOURS IN ADVANCE IN ORDER TO ALLOW SUFFICIENT TIME FOR RESIDENTS AND GENERAL PUBLIC TO REVISE THEIR PARKING PATTERNS.
- ALL CRACKS AND JOINTS SHALL BE CLEANED PRIOR TO FILLING THEM. THIS WORK SHALL BE INCLUDED IN THE ITEM "MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS."
- COMMERCIAL DRIVEWAYS SHALL BE STAGED IN ORDER TO MAINTAIN ACCESS AT ALL TIMES.
- CLASS B STORM SEWERS SHALL BE PVC SDR 26.
- ALL SANITARY MANHOLES TO BE ADJUSTED SHALL ALSO REPLACE OR ADD AN EXTERNAL CHIMNEY SEAL, INCLUDED IN THE COST OF MANHOLES TO BE ADJUSTED.
- CARE IS TO BE TAKEN SO AS NOT TO DAMAGE ANY OF THE EXISTING TRAFFIC SIGNAL CONDUIT, DETECTORS AND/OR EQUIPMENT. IF ANY OF THE TRAFFIC SIGNAL CONDUIT, DETECTORS AND/OR EQUIPMENT IS DAMAGED, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE THE CONDUIT, DETECTORS AND/OR EQUIPMENT AT NO ADDITIONAL COST.
- TREE INSTALLATION SHALL INCLUDE WATERING BAGS AND SHALL BE FILLED ONCE PER WEEK DURING ESTABLISHMENT PERIOD OR AS DETERMINED BY THE ENGINEER. WATERING BAGS SHALL REMAIN THE PROPERTY OF THE VILLAGE.
- THE CONTRACTOR SHALL UTILIZE A MECHANICAL SWEEPER TO CLEAN STREETS AFFECTED BY CONTRACTOR'S OPERATIONS, INCLUDING HAUL ROUTES. AT LEAST TWICE A WEEK AND ADDITIONALLY AS DETERMINED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF MOBILIZATION.

**TRAFFIC CONTROL NOTES**

- WORK WHICH REQUIRES LANE CLOSURES SHALL BE LIMITED TO ONE SIDE OF THE STREET AT A TIME TO MINIMIZE CONGESTION, OR AS APPROVED BY THE ENGINEER
- ALL TRAFFIC CONTROL MEASURES SHALL BE MAINTAINED FOR THE ENTIRE DURATION OF WORK FOR WHICH IT APPLIES OR AS DETERMINED BY THE ENGINEER.
- THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGE IN CONSTRUCTION STAGING.
- ANY LANE CLOSURES ON McCORMICK BOULEVARD SHALL BE LIMITED TO THE HOURS OF 9AM TO 3PM AND A MAXIMUM OF ONE LANE IN EACH DIRECTION. ALL LANE CLOSURES SHALL FOLLOW ALL APPLICABLE HIGHWAY STANDARDS AND BE APPROVED BY THE ENGINEER.
- BARRICADES, DRUMS, AND VERTICAL PANELS SHALL BE EQUIPPED WITH MONO DIRECTIONAL STEADY BURN LIGHTS AND SHALL BE PLACED AT A 50' MAXIMUM INTERVALS ALONG THE PROPOSED WORK ZONE AND MAXIMUM 25' WITHIN TAPERED SECTIONS OR AS DETERMINED BY THE ENGINEER.
- IT IS THE INTENT OF THE CONTRACT THAT MAINTENANCE OF TRAFFIC (MOT) FOLLOW ALL APPLICABLE IDOT HIGHWAY STANDARDS. ANY MOT PLANS THAT DIFFER FROM HIGHWAY STANDARDS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO IMPLEMENTATION.
- ALL TRAFFIC LANES ON HOWARD STREET SHALL BE OPEN AT THE END OF EACH DAY.

**COMMITMENTS**

ACCESS TO MWRD DRIVEWAYS TO BE KEPT OPEN AT ALL TIMES.

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**HIGHWAY STANDARDS**

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-08	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-02	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-02	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-03	DEPRESSED CORNER FOR SIDEWALKS
424026-01	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
542606-02	REINFORCED CONCRETE PIPE TEE
602011-02	CATCH BASIN TYPE C
602301-04	INLET - TYPE A
604001-04	FRAME AND LIDS TYPE 1
604051-04	FRAME AND GRATE TYPE 11
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701427-04	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-05	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS,  
COMMITMENTS AND GENERAL NOTES

SCALE: NONE

STA.

TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	14-00301-00-BT	COOK	53	2
CONTRACT NO. 61D09				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT TE-0001(976)				

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DESIGNED - JDM	REVISED -
DRAWN - CJC	REVISED -
CHECKED - DSH	REVISED -
DATE - 06-07-16	FILE - 130722SHT_PH2-GenNotes.dgn



SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				HOWARD ST
				BICYCLE TRAILS 0028
* 20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	10	10
* 20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	100	100
20101000	TEMPORARY FENCE	FOOT	240	240
20101100	TREE TRUNK PROTECTION	EACH	5	5
* 20101200	TREE ROOT PRUNING	EACH	8	8
* 20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	3	3
* 20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	5	5
20200100	EARTH EXCAVATION	CU YD	271	271
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	49	49
20800150	TRENCH BACKFILL	CU YD	8	8
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	361	361
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	1,480	1,480
* 25000110	SEEDING, CLASS 1A	ACRE	1.00	1.00
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	102	102
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	102	102

\* INDICATES SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				HOWARD ST
				BICYCLE TRAILS 0028
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	102	102
* 25100630	EROSION CONTROL BLANKET	SQ YD	4,455	4,455
* 25200110	SODDING, SALT TOLERANT	SQ YD	520	520
* 25200200	SUPPLEMENTAL WATERING	UNIT	38	38
* 28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	103	103
28000400	PERIMETER EROSION BARRIER	FOOT	1,055	1,055
28000510	INLET FILTERS	EACH	31	31
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	49	49
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	519	519
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	312	312
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	604	604
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	2,885	2,885
35400300	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 8"	SQ YD	350	350
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1,859	1,859
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	10	10

\* INDICATES SPECIALTY ITEM

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	DATE: 06-07-16	FILE: 1307225HT_P2_P00.dgn

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE:	STA. TO STA.	F.A.D. RTE. 1334	SECTION 14-00301-00-BT	COUNTY COOK	TOTAL SHEETS 4
		FED. ROAD DIST. NO.	ILLINOIS FED.	CONTRACT NO. 61009	

**SUMMARY OF QUANTITIES**

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				HOWARD ST
				BICYCLE TRAILS
				0028
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	308	308
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	95	95
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	508	508
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	507	507
42001300	PROTECTIVE COAT	SQ YD	1,098	1,098
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	109	109
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	203	203
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	3,665	3,665
42400800	DETECTABLE WARNINGS	SQ FT	324	324
44000100	PAVEMENT REMOVAL	SQ YD	447	447
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	5,325	5,325
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	320	320
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,436	1,436
44000600	SIDEWALK REMOVAL	SQ FT	5,955	5,955
44201329	CLASS C PATCHES, TYPE II, 8 INCH	SQ YD	36	36

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				HOWARD ST
				BICYCLE TRAILS
				0028
550B0040	STORM SEWERS, CLASS B, TYPE 1 10"	FOOT	8	8
550B0050	STORM SEWERS, CLASS B, TYPE 1 12"	FOOT	6	6
550B0340	STORM SEWERS, CLASS B, TYPE 2 12"	FOOT	20	20
56400100	FIRE HYDRANTS TO BE MOVED	EACH	4	4
56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	4	4
60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	2	2
60207905	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	EACH	4	4
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	2	2
60260100	INLETS TO BE ADJUSTED	EACH	1	1
60250200	CATCH BASINS TO BE ADJUSTED	EACH	5	5
60255500	MANHOLES TO BE ADJUSTED	EACH	9	9
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	6	6
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	2	2
60600605	CONCRETE CURB, TYPE B	FOOT	115	115
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	1,467	1,467

\* INDICATES SPECIALTY ITEM

\* INDICATES SPECIALTY ITEM

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<b>BAXTER &amp; WOODMAN</b> Consulting Engineers	DESIGNED - JDM	REVISED -
	DRAWN - CJC	REVISED -
	CHECKED - DSH	REVISED -
	DATE - 06-07-16	FILE - 130722SHT_PH2-S00.dgn

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: STA. TO STA.

F.A.M. RTE. 1334	SECTION 14-00301-00-BT	COUNTY COOK	TOTAL SHEETS 53	SHEET NO. 5
CONTRACT NO. 61D09			ILLINOIS FED. AID PROJECT FE-00D(976)	

**SUMMARY OF QUANTITIES**

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				HOWARD ST
				BICYCLE TRAILS 0028
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	26	26
60608300	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12	FOOT	110	110
60618330	CONCRETE MEDIAN SURFACE, 7 INCH	SQ FT	350	350
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	20	20
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1
67100100	MOBILIZATION	LSUM	1	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1	1
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	LSUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	375	375
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	125	125
72000100	SIGN PANEL - TYPE 1	SQ FT	149	149
72400310	REMOVE SIGN PANEL TYPE 1	SQ FT	4	4

\* INDICATES SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				HOWARD ST
				BICYCLE TRAILS 0028
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	8	8
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	342	342
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3,564	3,564
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,804	1,804
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	612	612
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	82	82
* 78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	256	256
* 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	6	6
* 78006100	PREFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	225	225
* A2004610	TREE, GLEDITSIA TRIACANTHOS INERMIS PERFECTION (PERFECTION THORNLESS HONEY LOCUST), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	1
* A2005016	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	1
* A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	1
* A2006716	TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	1
* A2008518	TREE, ULMUS MORTON GLOSSY (TRIUMPH ELM), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	1
* A2008748	TREE, ULMUS X FRONTIER (FRONTIER ELM), 3" CALIPER, BALLED AND BURLAPPED, MATCHING HEADS	EACH	1	1

\* INDICATES SPECIALTY ITEM

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 LICENSE NO. 184-00121 - EXPIRES 4/30/2017  
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<b>BAXTER &amp; WOODMAN</b> Consulting Engineers	DESIGNED	DM	REVISED	
	DRAWN	JC	REVISED	
	CHECKED	DSH	REVISED	
	DATE	06-07-16	FILE	130722SHT_22-500.dgn

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE:	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED.	PROJECT NO. 61009
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F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	14-00301-00-BT	COOK	53	6

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				HOWARD ST
				BICYCLE TRAILS 0028
* A2012916	TREE, CELTIS OCCIDENTALIS ULZAM (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	1
* A2005660	TREE, OSTRYA VIRGINIANA (IRONWOOD), 7' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	1	1
* K0036120	MULCH PLACEMENT 4"	SQ YD	38	38
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	104	104
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	324	324
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	8	8
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	3	3
* X6640298	CHAIN LINK FENCE (SPECIAL)	FOOT	60	60
* X6640300	CHAIN LINK FENCE REMOVAL	FOOT	60	60

\* INDICATES SPECIALTY ITEM

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**BAXTER & WOODMAN**  
 CONSULTING ENGINEERS

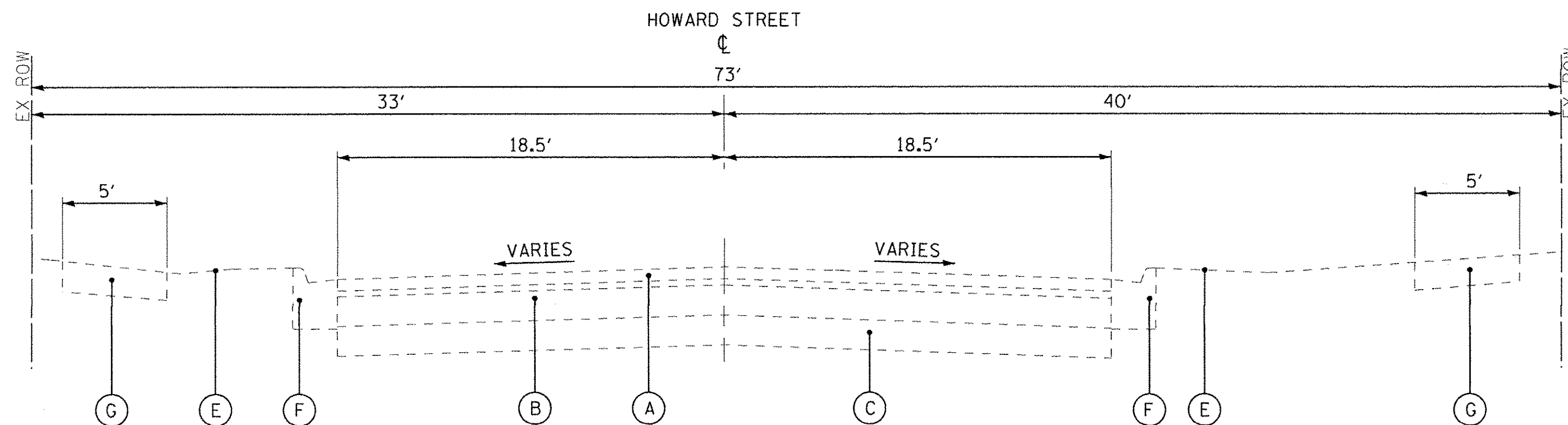
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

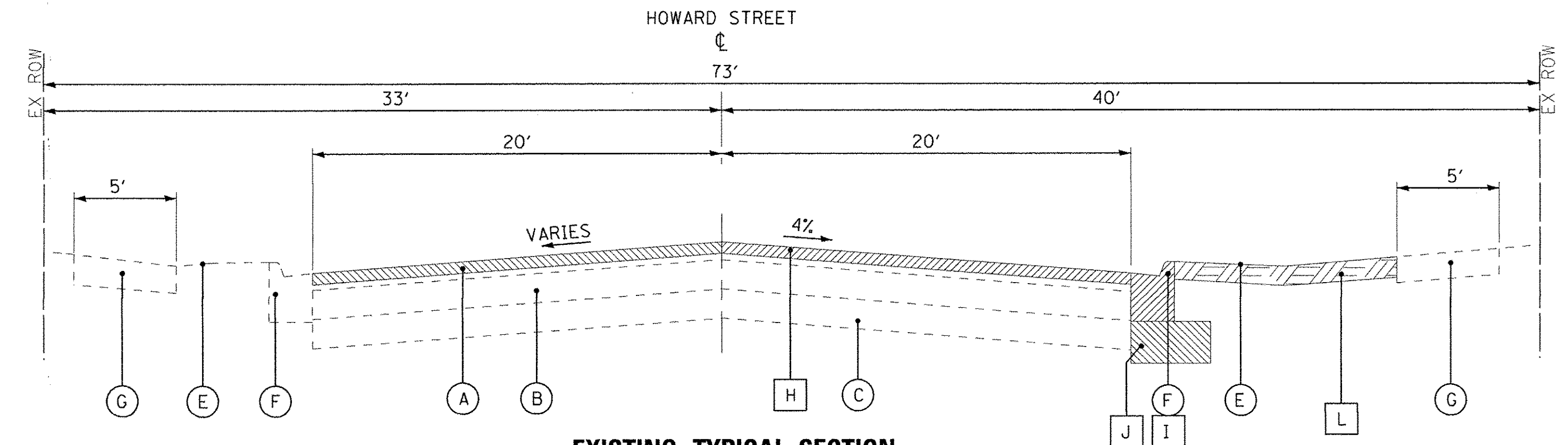
SUMMARY OF QUANTITIES

SCALE: STA. TO STA. FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT TE-001(976)

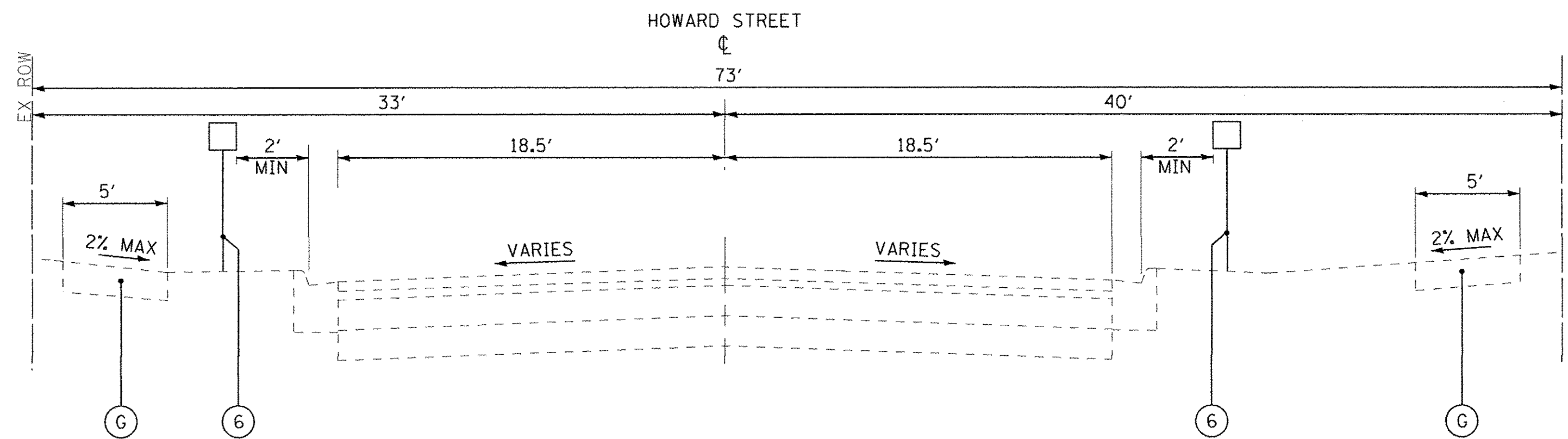
F.A.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	14-00301-00-BT	COOK	53	7
			CONTRACT NO. 61009	



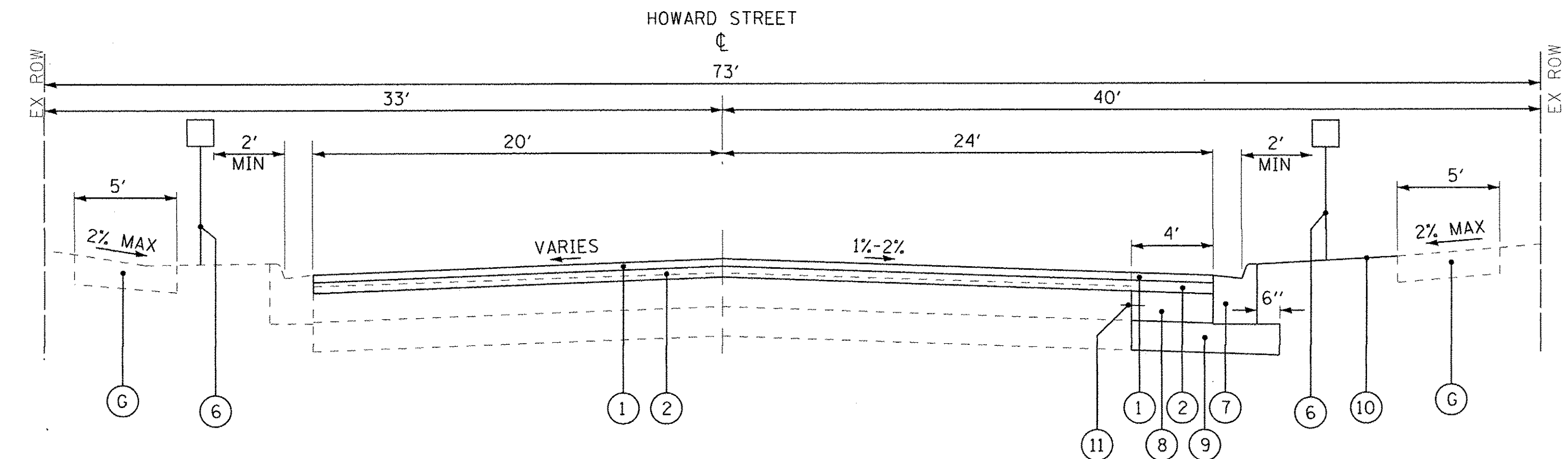
**EXISTING TYPICAL SECTION  
STA 10+85 TO STA 15+40  
HOWARD STREET**



**EXISTING TYPICAL SECTION  
STA 15+40 TO STA 23+17  
HOWARD STREET**



**PROPOSED TYPICAL SECTION  
STA 10+85 TO STA 15+40  
HOWARD STREET**



**PROPOSED TYPICAL SECTION  
STA 15+40 TO STA 23+17  
HOWARD STREET**

**EXISTING LEGEND**

- (A) EXISTING HOT-MIX ASPHALT SURFACE ±2"
- (B) EXISTING PCC PAVEMENT 6"-8"
- (C) EXISTING AGGREGATE BASE COURSE 13"-15"
- (D) (NOT USED)
- (E) EXISTING GROUND SURFACE
- (F) EXISTING CURB AND GUTTER, TYPE B-6.12
- (G) EXISTING SIDEWALK
- (H) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- (I) COMBINATION CURB AND GUTTER REMOVAL
- (J) EARTH EXCAVATION
- (K) PAVEMENT REMOVAL
- (L) TOPSOIL EXCAVATION AND PLACEMENT
- [Hatched Box] ITEM TO BE REMOVED

**PROPOSED LEGEND**

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70 - 1 1/2"
- (1A) HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50 - 3"
- (2) LEVELING BINDER (MACHINE METHOD), N70 - 3/4"
- (3) SEEDING CLASS 1A
- (4) AGGREGATE BASE COURSE, TYPE B 4"
- (5) AGGREGATE BASE COURSE, TYPE B 8"
- (6) SIGN PANEL - TYPE 1  
TELESCOPING STEEL SIGN SUPPORT
- (7) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12  
(10 1/4" FLAG DEPTH)
- (8) PCC BASE COURSE WIDENING, 8"
- (9) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (10) SODDING, SALT TOLERANT
- (11) TIE BARS (INCLUDED IN PCC BASE COURSE WIDENING)

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

MIXTURE TYPE	AIR VOIDS @ Ndes
<b>BIKE TRAIL</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm) - 3"	4% @ 50 Gyr.
<b>PAVEMENT RESURFACING</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm) - 1 1/2"	4% @ 70 Gyr.
LEVELING BINDER (MACHINE METHOD), N70 - 3/4"	4% @ 70 Gyr.

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

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY THE DISTRICT ONE SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.

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**BAXTER & WOODMAN**  
Consulting Engineers

DESIGNED - JDM	REVISED -
DRAWN - CJC	REVISED -
CHECKED - DSH	REVISED -
DATE - 06-07-16	FILE - 130722SHT_PH2-TypSec.dgn

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

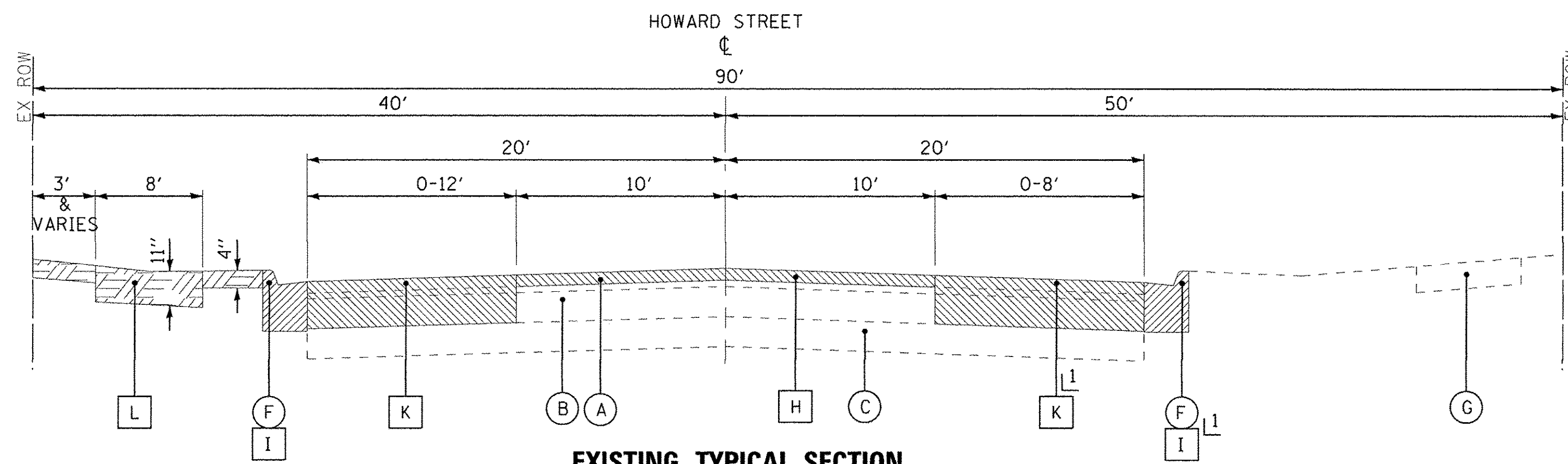
**TYPICAL SECTIONS AND  
HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

SCALE: STA. TO STA.

F.A.M. RTE. 1334	SECTION 14-00301-00-BT	COUNTY COOK	TOTAL SHEETS 53	SHEET NO. 8
CONTRACT NO. 61D09				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT TE-00D19761				

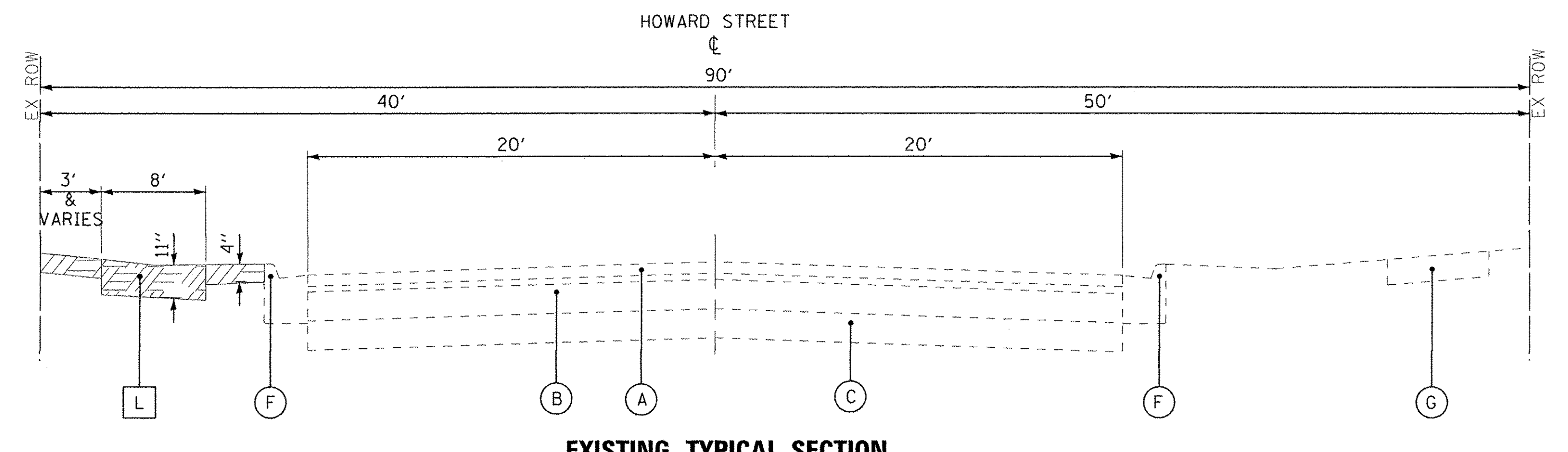


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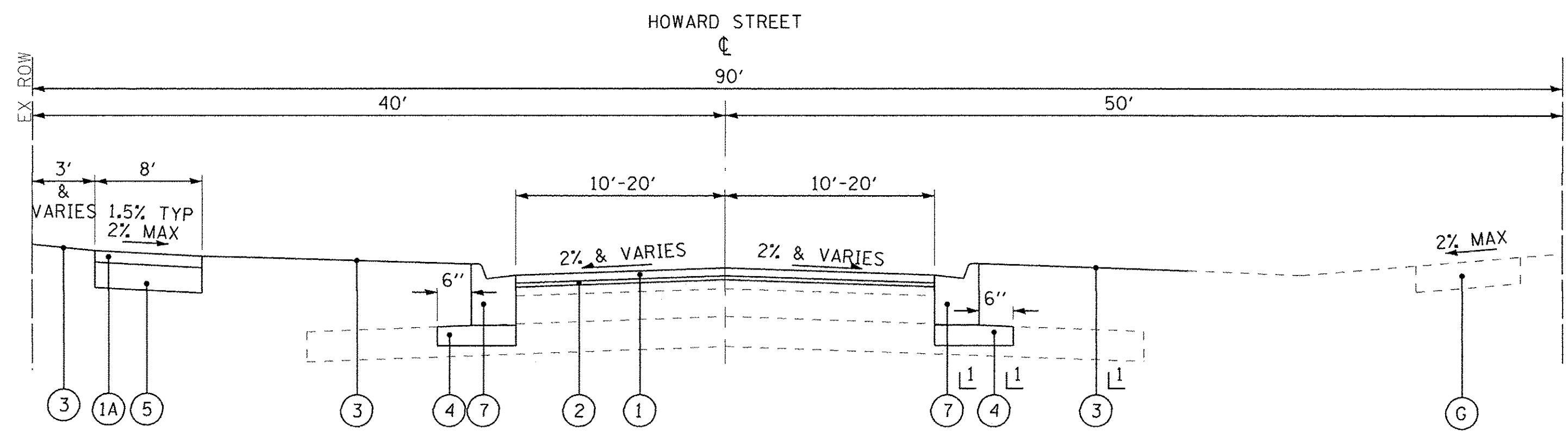


**EXISTING TYPICAL SECTION  
 STA 23+17 TO STA 26+95  
 HOWARD STREET**

⊥ STA 23+17 TO STA 24+63

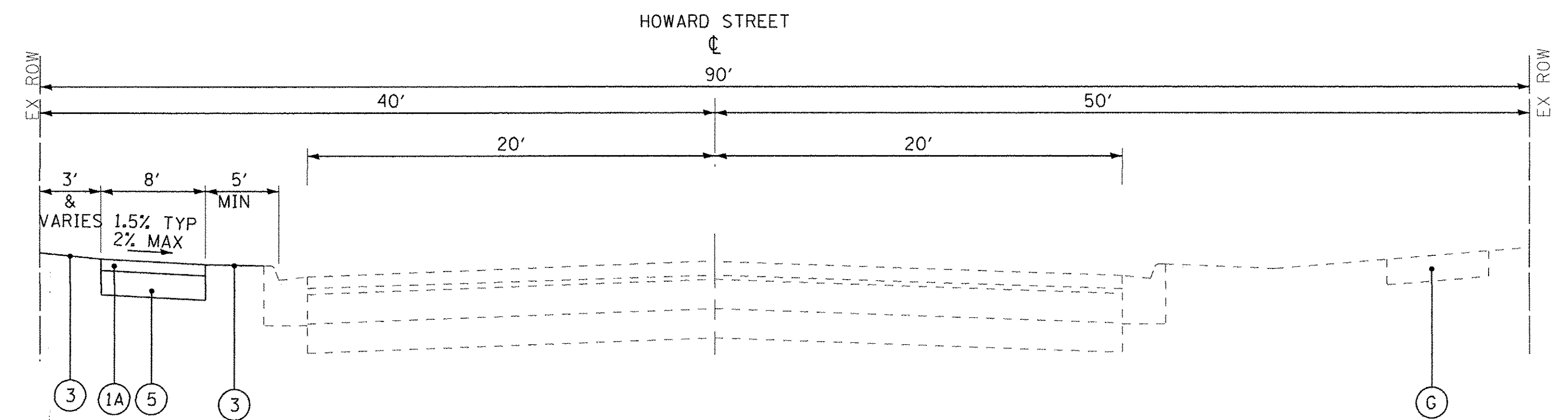


**EXISTING TYPICAL SECTION  
 STA 26+95 TO STA 57+23  
 HOWARD STREET**



**PROPOSED TYPICAL SECTION  
 STA 23+17 TO STA 26+95  
 HOWARD STREET**

⊥ STA 23+17 TO STA 24+63



**PROPOSED TYPICAL SECTION  
 STA 26+95 TO STA 57+23  
 HOWARD STREET**

**EXISTING LEGEND**

- (A) EXISTING HOT-MIX ASPHALT SURFACE ±2"
- (B) EXISTING PCC PAVEMENT 6"-8"
- (C) EXISTING AGGREGATE BASE COURSE 13"-15"
- (D) (NOT USED)
- (E) EXISTING GROUND SURFACE
- (F) EXISTING CURB AND GUTTER, TYPE B-6.12
- (G) EXISTING SIDEWALK
- (H) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- (I) COMBINATION CURB AND GUTTER REMOVAL
- (J) EARTH EXCAVATION
- (K) PAVEMENT REMOVAL
- (L) TOPSOIL EXCAVATION AND PLACEMENT
- [Hatched Box] ITEM TO BE REMOVED

**PROPOSED LEGEND**

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70 - 1 1/2"
- (1A) HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50 - 3"
- (2) LEVELING BINDER (MACHINE METHOD), N70 - 3/4"
- (3) SEEDING CLASS 1A
- (4) AGGREGATE BASE COURSE, TYPE B 4"
- (5) AGGREGATE BASE COURSE, TYPE B 8"
- (6) SIGN PANEL - TYPE 1  
TELESCOPING STEEL SIGN SUPPORT
- (7) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12  
(10 1/4" FLAG DEPTH)
- (8) PCC BASE COURSE WIDENING, 8"
- (9) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (10) SODDING, SALT TOLERANT
- (11) TIE BARS (INCLUDED IN PCC BASE COURSE WIDENING)



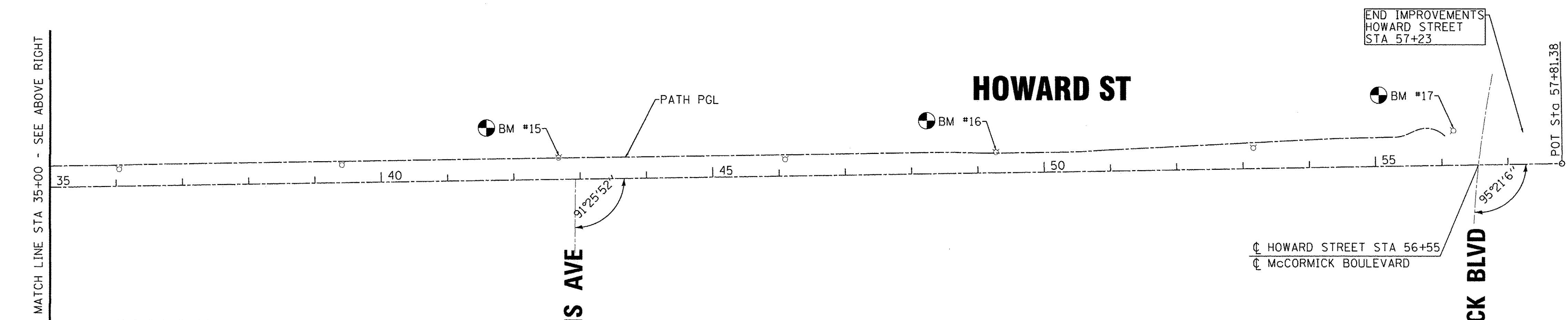
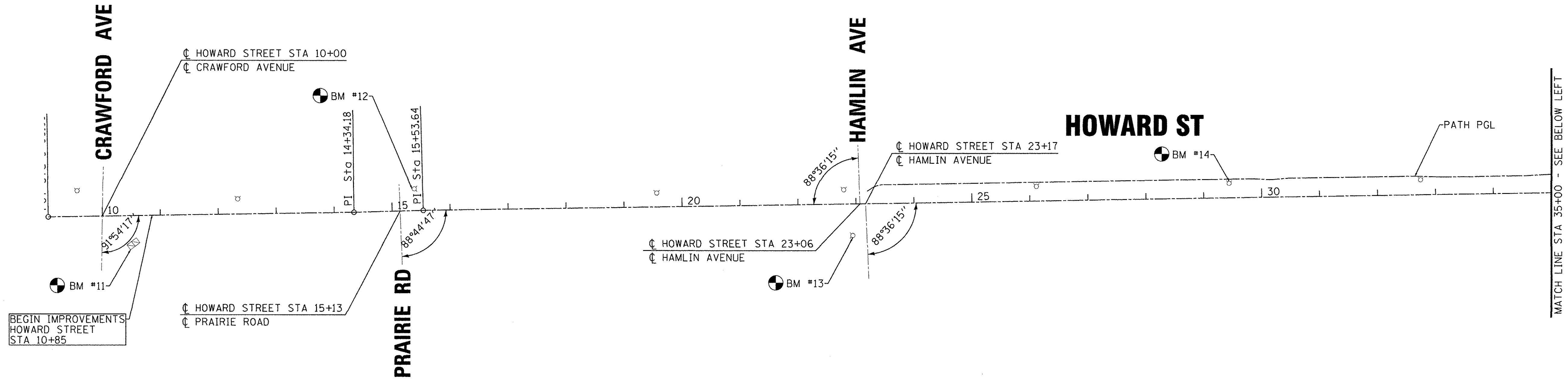
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DRAWN -	CJC	REVISED -	
CHECKED -	DSH	REVISED -	
DATE -	06-07-16	FILE -	130722SHT_PH2-TypSec.dgn

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

SCALE: \_\_\_\_\_ STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	14-00301-00-BT	COOK	53	9
CONTRACT NO. 61D09				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT TE-00D1(976)				



**BENCHMARK DATA:**

DATUM IS NAVD 88

BM #11 - X AT SOUTH CORNER DOUBLE HANDHOLE AT SOUTHEAST CORNER HOWARD ST & CRAWFORD AVE  
ELEV 601.589

BM #12 - SOUTH LOWER NUT FROM CENTER OF FIRE HYDRANT AT NORTHEAST CORNER OF HOWARD AVE & EAST PRAIRIE AVE  
ELEV 601.399

BM #13 - SOUTHWEST BONNET BOLT FIRE HYDRANT AT SOUTHWEST CORNER OF HOWARD ST & HAMLIN AVE  
ELEV 599.849

BM #14 - NORTHEAST BOLT FIRE HYDRANT AT NORTH SIDE HOWARD ST 2ND HYDRANT EAST OF HAMLIN AVE ACROSS FROM PACE BUS STOP  
ELEV 599.279

BM #15 - NORTHEAST BONNET BOLT FIRE HYDRANT NORTH SIDE INTERSECTION OF HOWARD AVE & ST LOUIS AVE PACE BUS STOP  
ELEV 597.929

BM #16 - NORTHWEST BONNET BOLT FIRE HYDRANT AT NORTH SIDE HOWARD ST AT ENTRANCE TO MWRD DISTRICT  
ELEV 598.679

BM #17 - NORTHWEST BONNET BOLT FIRE HYDRANT AT NORTHWEST CORNER OF HOWARD ST & MCCORMICK BLVD  
ELEV 599.119

Beginning chain HOWARD ST description

Point H1	N	1,950,087.46 E	1,148,536.17 Sta	9+06.65
Course from H1 to H2 N 89° 05' 14" E Dist 527.53				
Point H2	N	1,950,095.86 E	1,149,063.63 Sta	14+34.18
Course from H2 to H3 N 88° 21' 39" E Dist 119.46				
Point H3	N	1,950,099.28 E	1,149,183.05 Sta	15+53.64
Course from H3 to H4 N 89° 03' 21" E Dist 4,227.74				
Point H4	N	1,950,168.93 E	1,153,410.22 Sta	57+81.38
Ending chain HOWARD ST description				

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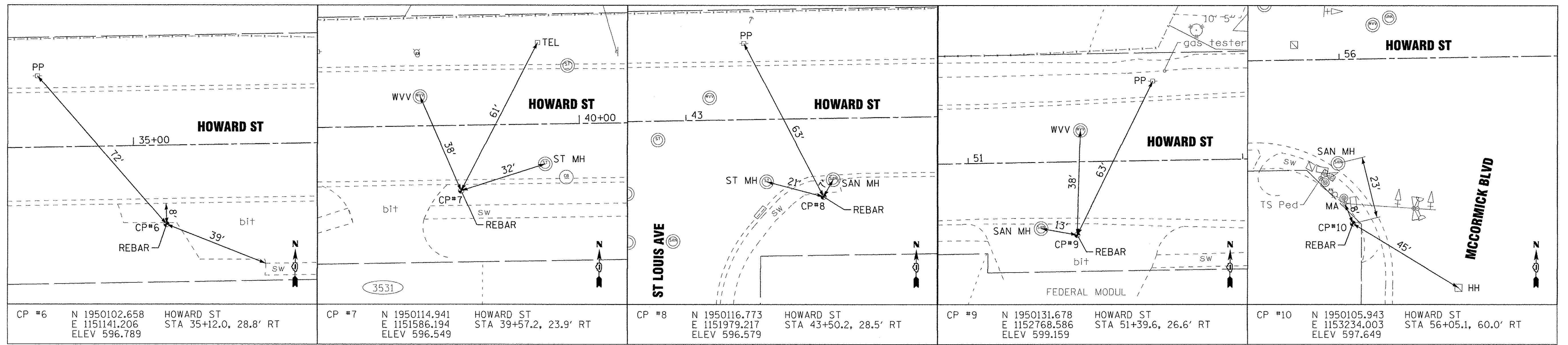
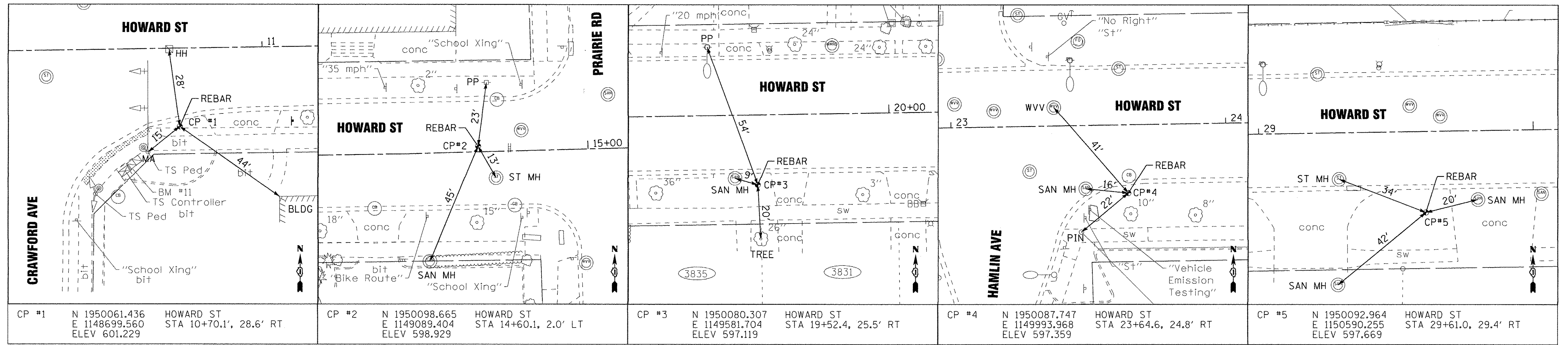
<b>BAXTER &amp; WOODMAN</b> Consulting Engineers	DESIGNED - JDM	REVISED -
	DRAWN - CJC	REVISED -
	CHECKED - DSH	REVISED -
	DATE - 06-07-16	FILE - 130722SHT_PH2-ALIGN1.dgn

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ALIGNMENT & BENCHMARKS  
HOWARD STREET

SCALE: TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	14-00301-00-BT	COOK	53	10
				CONTRACT NO. 61D09
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT TE-001(976)		



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 LICENSE NO. 043-01372-1, EXPIRES 06/30/2017  
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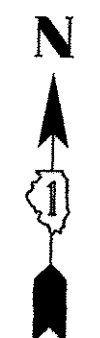


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DRAWN - CJC	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

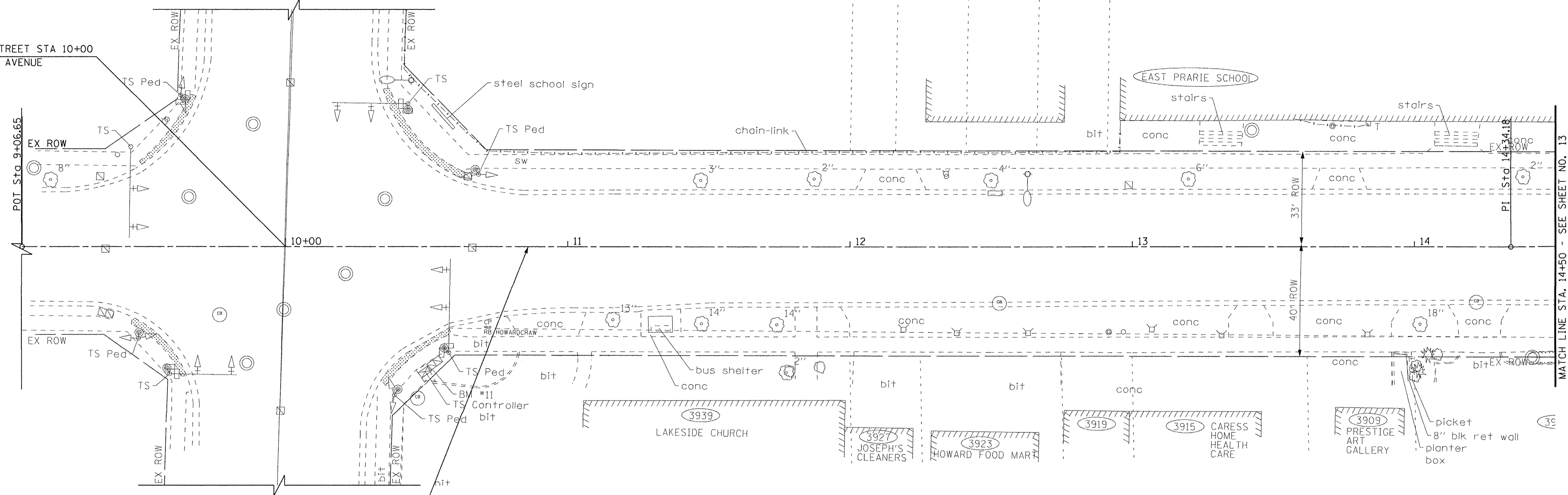
<b>TIES HOWARD STREET</b>	
SCALE: NONE	STA. TO STA.

F.A.W. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	14-00301-00-BT	COOK	53	11
CONTRACT NO. 61D09				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT TE-000(976)				



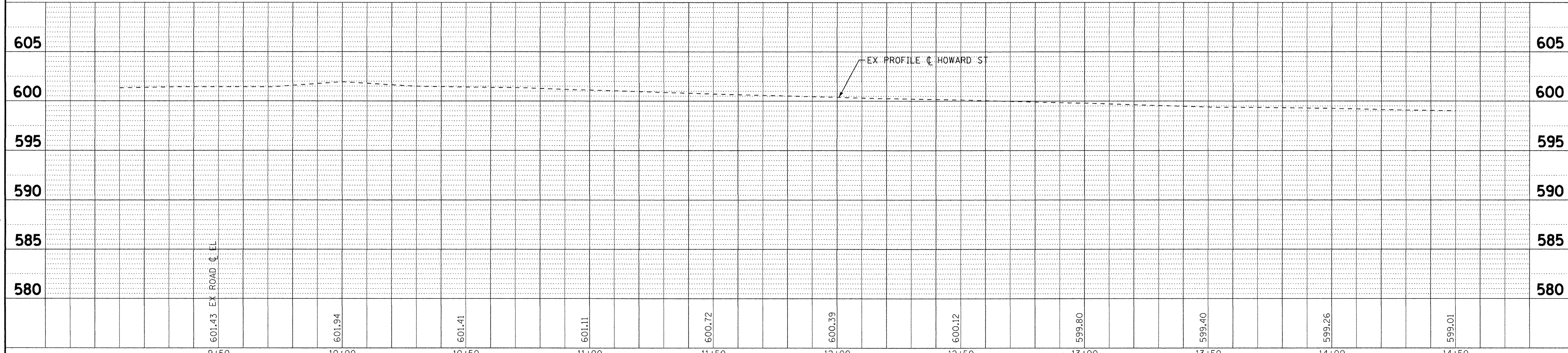
# CRAWFORD AVE

HOWARD STREET STA 10+00  
CRAWFORD AVENUE



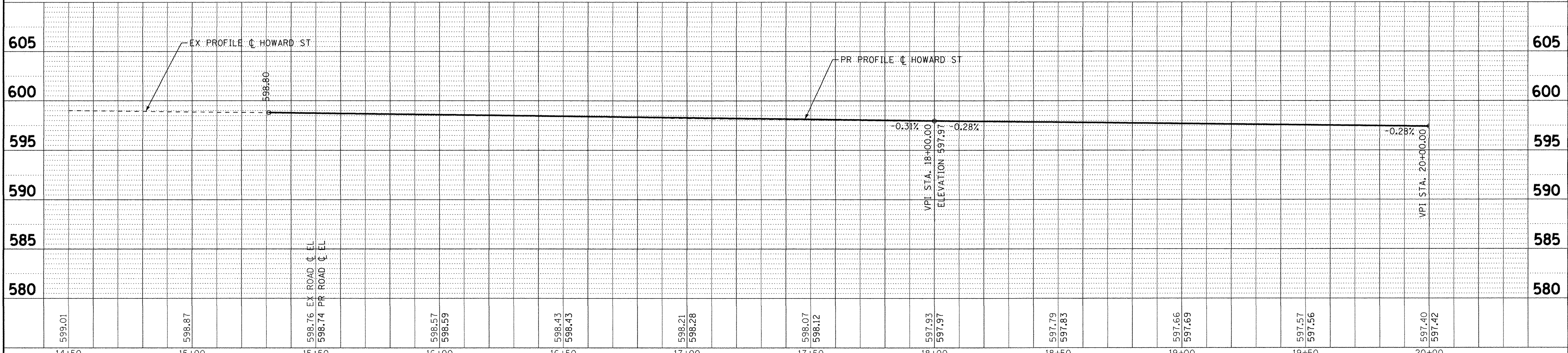
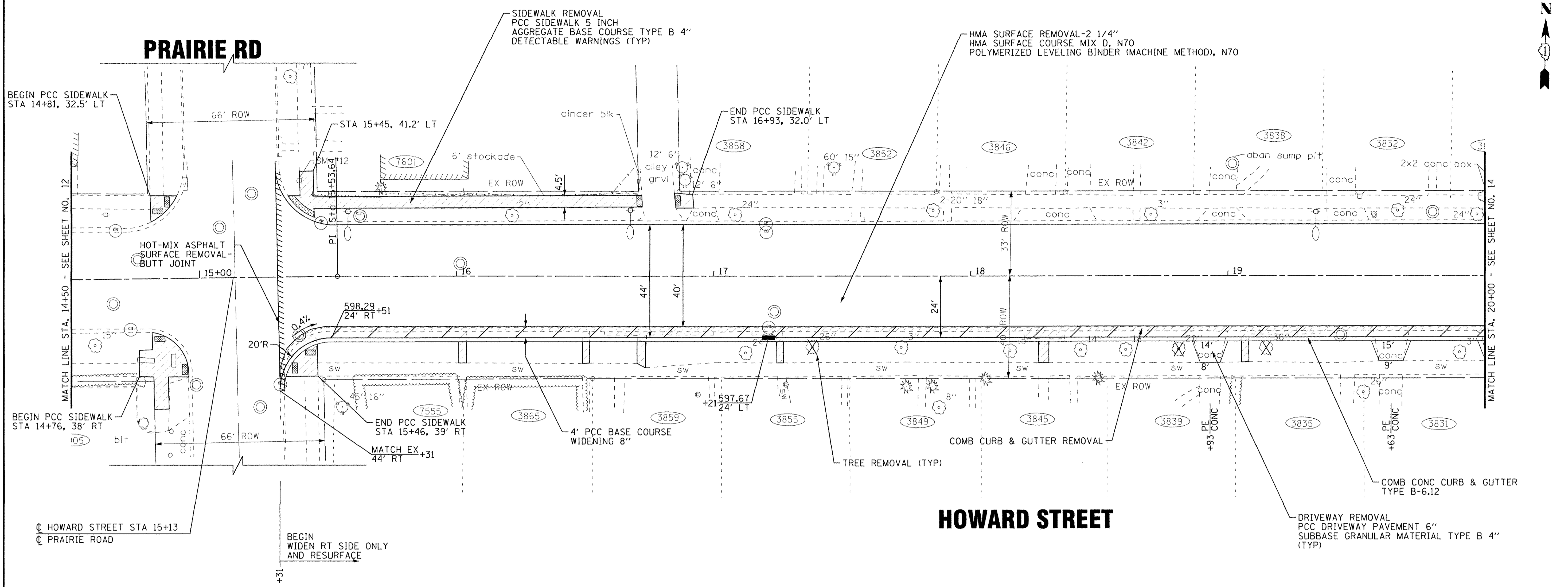
BEGIN IMPROVEMENTS  
HOWARD STREET  
STA 10+85

# HOWARD STREET



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<b>BAXTER &amp; WOODMAN</b> Consulting Engineers	DESIGNED - JDM	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN AND PROFILE</b> <b>HOWARD STREET</b>	F.A.U. RTE. 1334	SECTION 14-00301-00-BT	COUNTY COOK	TOTAL SHEETS 53	SHEET NO. 12
	DRAWN - CJC	REVISED -			CONTRACT NO. 61D09		ILLINOIS FED. AID PROJECT TE-00D(1976)		
CHECKED - DSH	REVISED -	SCALE: H: 1"=20' V: 1"=5'			STA. 9+00 TO STA. 14+50				
DATE - 06-07-16	FILE - 130722SHT-PH2-PP1.dgn								



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 LICENSE NO. 184-00121 - EXPIRES 4/30/2017  
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14+50	15+00	15+50	16+00	16+50	17+00	17+50	18+00	18+50	19+00	19+50	20+00
599.01	598.87	598.76 EX. ROAD C. EL. 598.74 PR. ROAD C. EL.	598.57 598.59	598.43 598.43	598.21 598.28	598.07 598.12	597.93 597.97	597.79 597.83	597.66 597.69	597.57 597.56	597.40 597.42

**BAXTER & WOODMAN**  
Consulting Engineers

DESIGNED - JDM	REVISED -
DRAWN - CJC	REVISED -
CHECKED - DSH	REVISED -
DATE - 06-07-16	FILE - 130722SHT_PH2-PP2.dgn

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

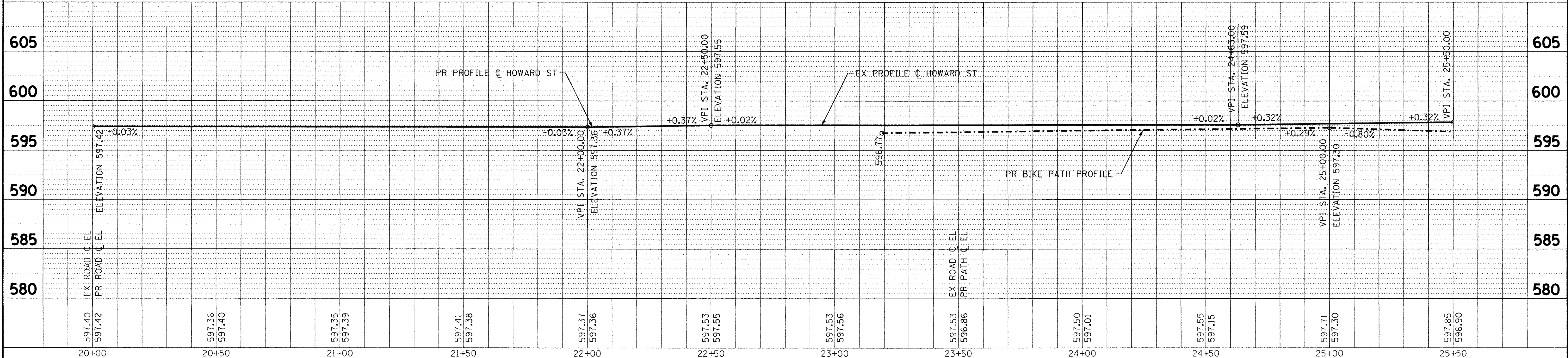
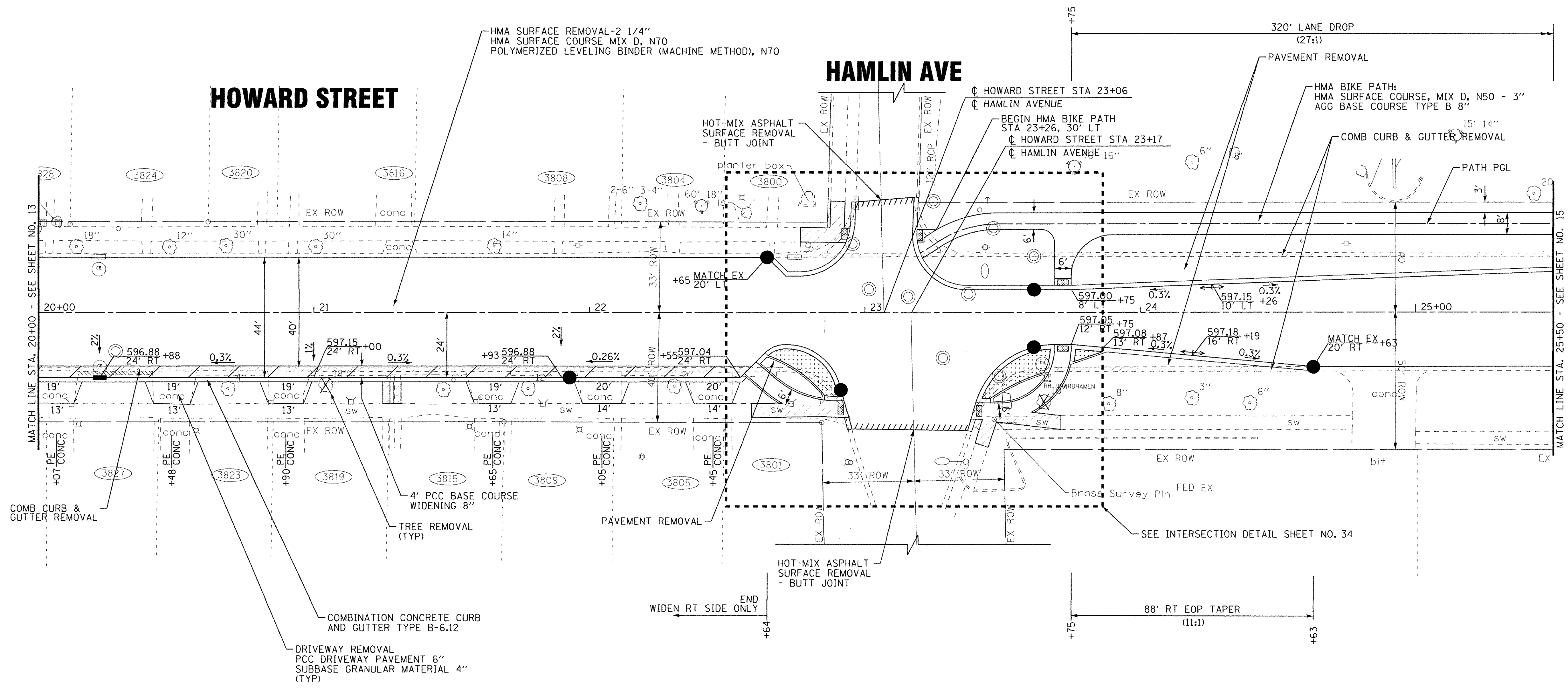
**PLAN AND PROFILE  
HOWARD STREET**

SCALE: H: 1"=20' V: 1"=5'      STA. 14+50 TO STA. 20+00

F.A.U. RTE. 1334	SECTION 14-00301-00-BT	COUNTY COOK	TOTAL SHEETS 53	SHEET NO. 13
CONTRACT NO. 61D09		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT TE-001(976)		

# HOWARD STREET

# HAMLIN AVE



597.40	597.42		597.36	597.40		597.35	597.39		597.41	597.38		597.37	597.36		597.53	597.55		597.53	597.56		597.53	596.86		597.50	597.01		597.55	597.15		597.71	597.30		597.85	596.90	
20+00		20+50		21+00		21+50		22+00		22+50		23+00		23+50		24+00		24+50		25+00		25+50													

**BAXTER & WOODMAN**  
CONSULTING ENGINEERS

DESIGNED - JDM	REVISED -
DRAWN - CJC	REVISED -
CHECKED - DSH	REVISED -
DATE - 06-07-16	FILE - 130722SHT_PH2-PP3.dgn

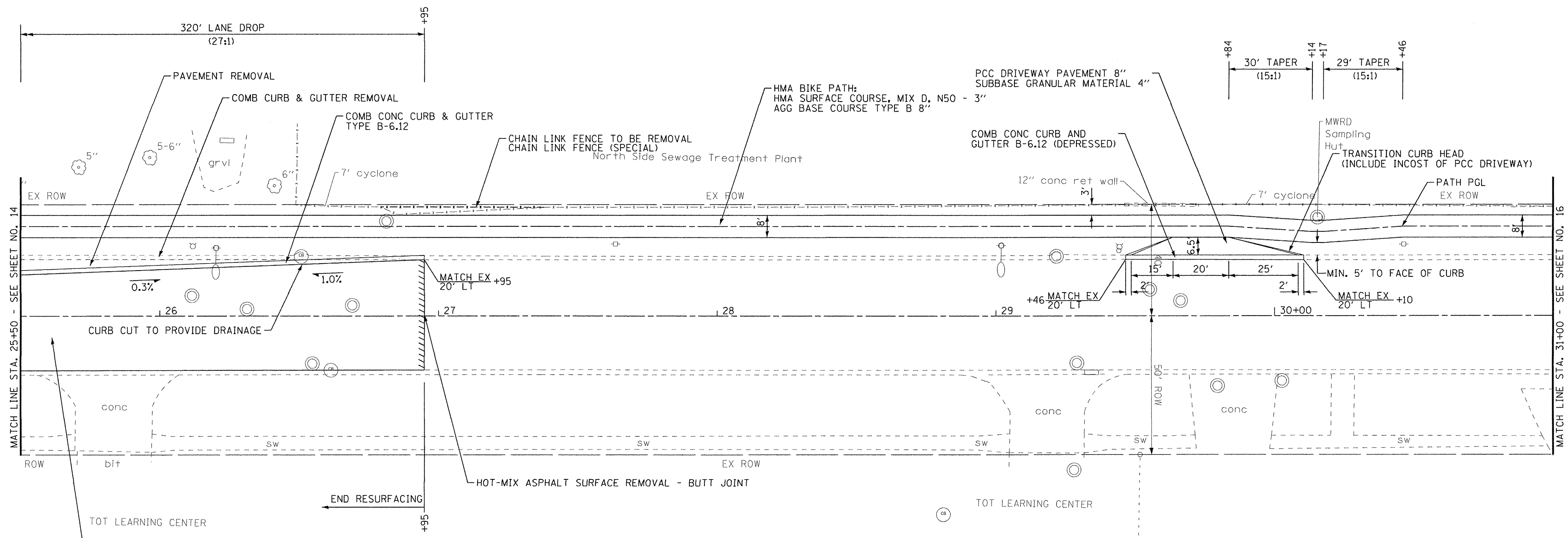
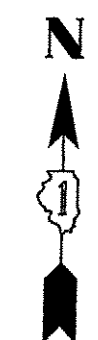
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE  
HOWARD STREET

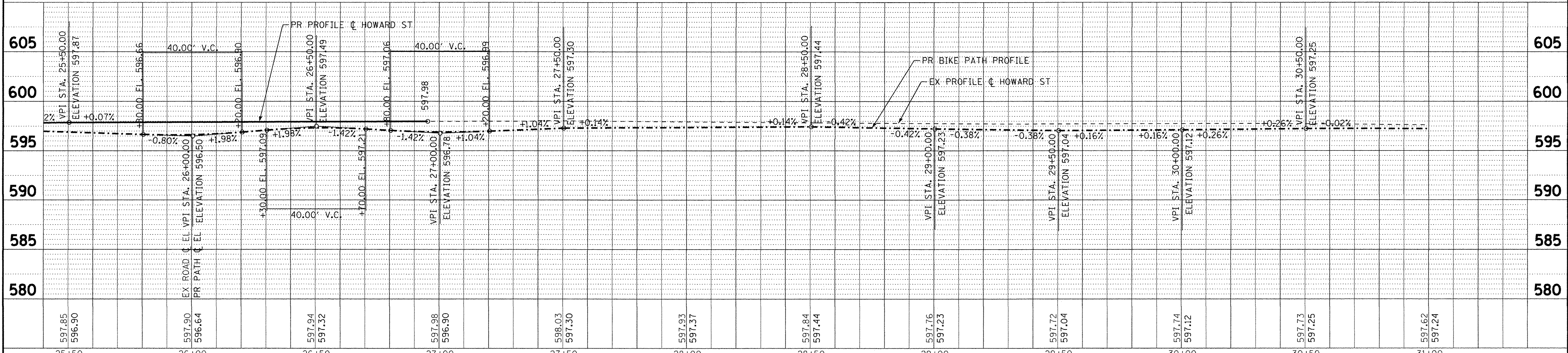
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CONTRACT NO. 61D09				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT TE-0001976				

SCALE: H' 1"=20' V: 1"=5'  
STA. 20+00 TO STA. 25+50

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 DATE: 6/17/2016



# HOWARD STREET



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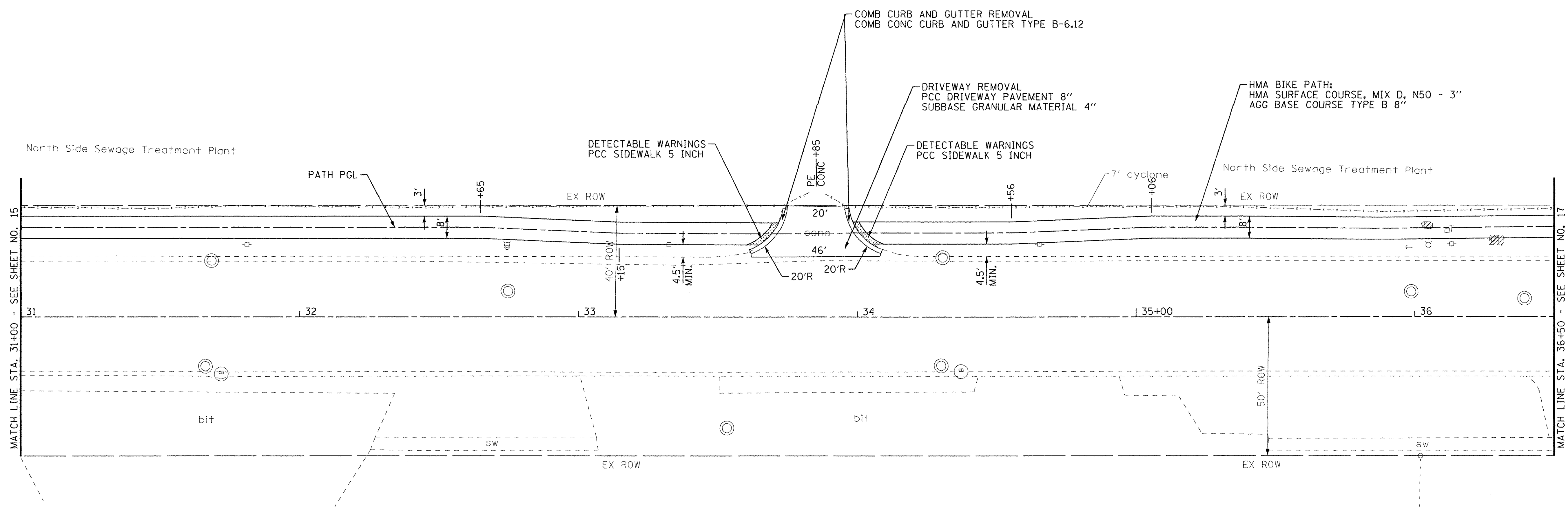
DESIGNED - JDM	REVISED -
DRAWN - CJC	REVISED -
CHECKED - DSH	REVISED -
DATE - 06-07-16	FILE - 130722SHT_PH2-PP4.dgn

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

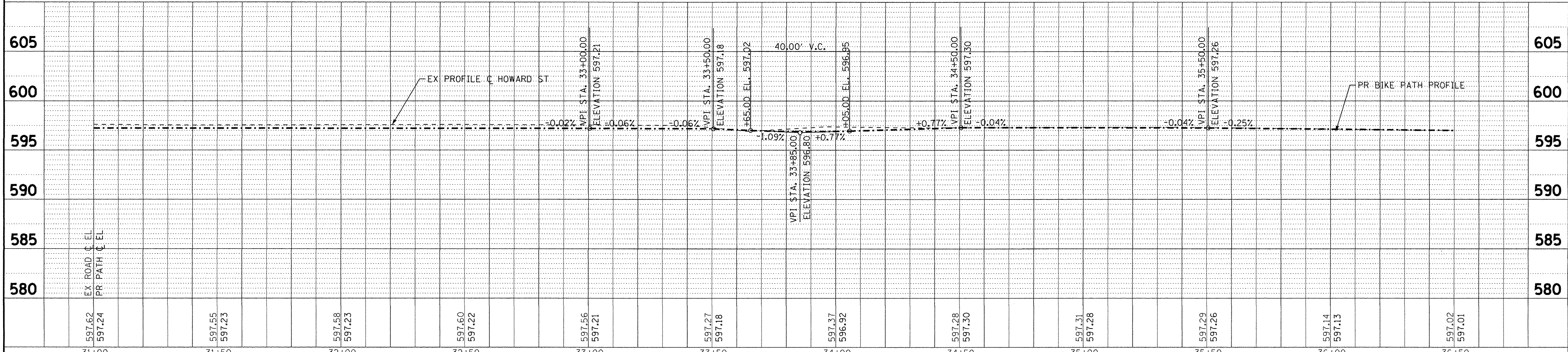
**PLAN AND PROFILE**  
**HOWARD STREET**

SCALE: H<sup>1</sup>/V<sup>5</sup> STA. 25+50 TO STA. 31+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	14-00301-00-BT	COOK	53	15
CONTRACT NO. 61D09				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT TE-0001976				



# HOWARD STREET



597.62 597.24	597.55 597.23	597.58 597.23	597.60 597.22	597.56 597.21	597.27 597.18	597.37 596.92	597.28 597.30	597.31 597.28	597.29 597.26	597.14 597.13	597.02 597.01
31+00	31+50	32+00	32+50	33+00	33+50	34+00	34+50	35+00	35+50	36+00	36+50



DESIGNED - JDM	REVISED -
DRAWN - CJC	REVISED -
CHECKED - DSH	REVISED -
DATE - 06-07-16	FILE - 130722SHT_PH2-PP5.dgn

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE  
HOWARD STREET

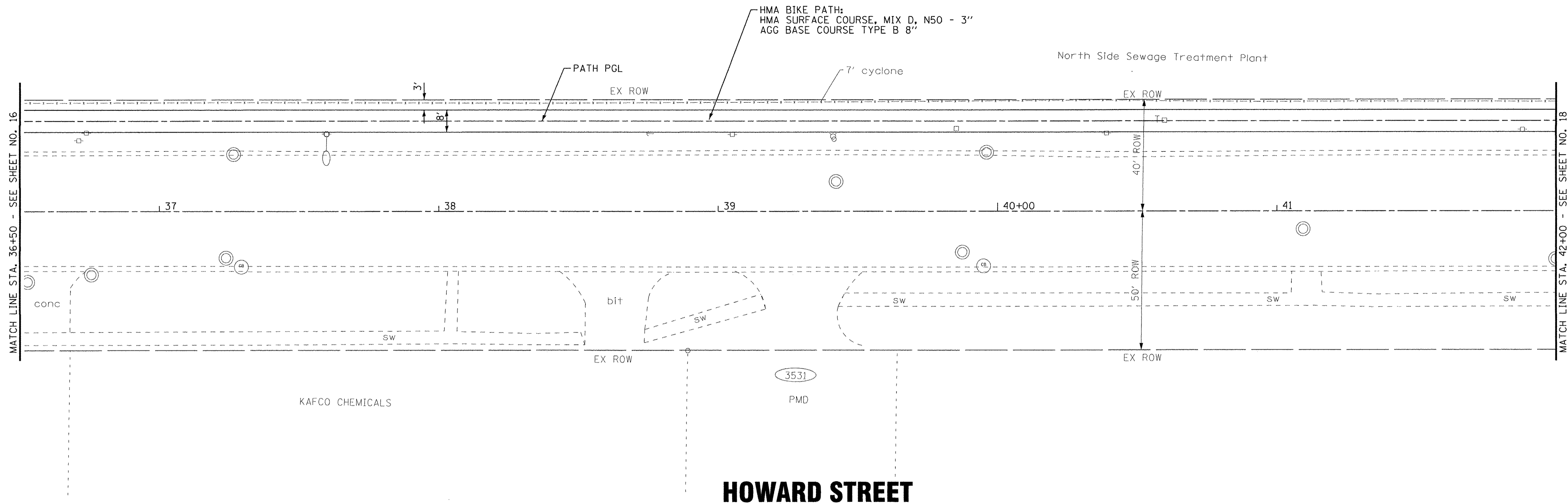
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STA. 31+00 TO STA. 36+50

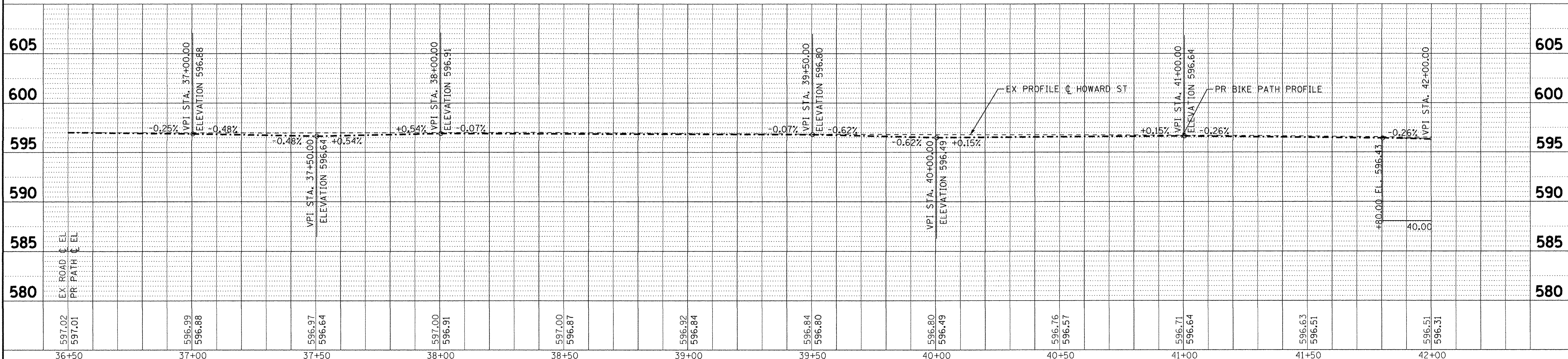
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CONTRACT NO. 61D09			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT TE-00D19761	

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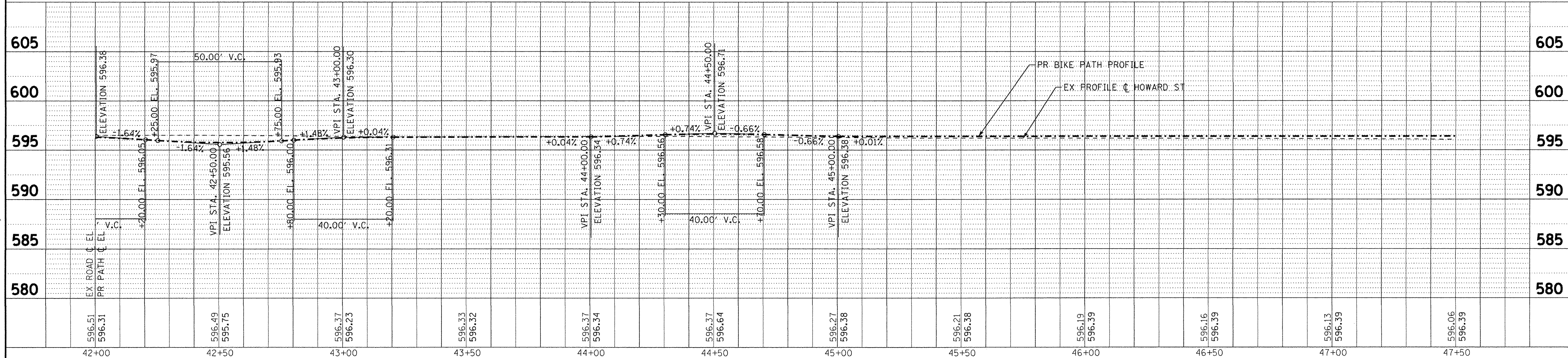
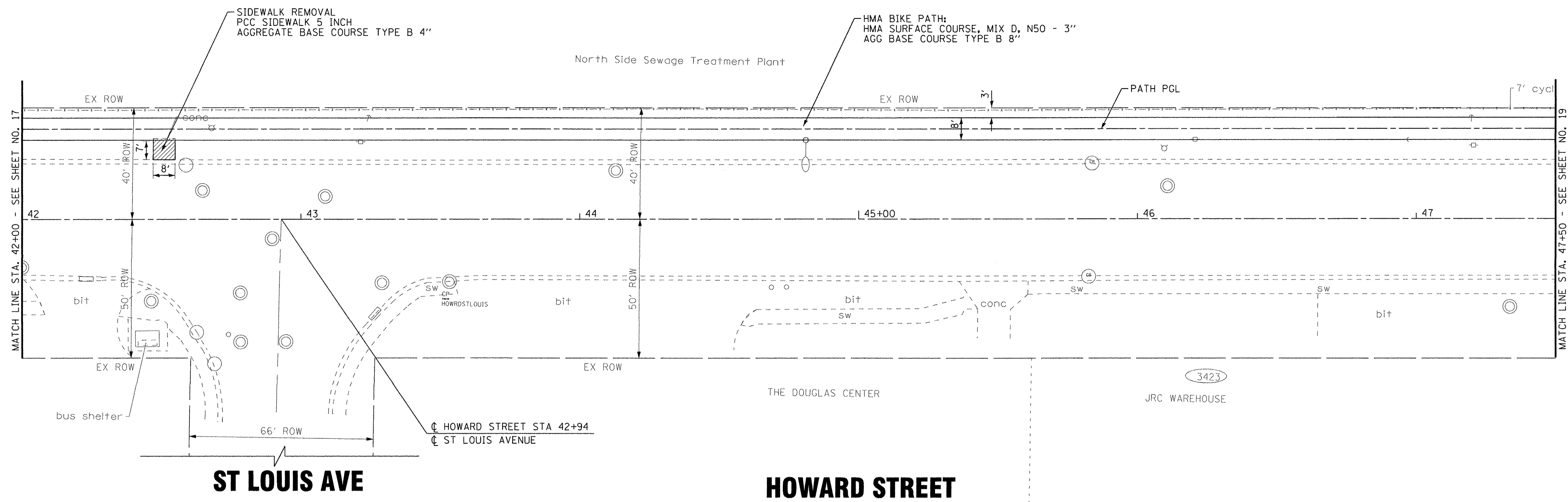


# HOWARD STREET



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<b>BAXTER &amp; WOODMAN</b> Consulting Engineers	DESIGNED - JDM	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN AND PROFILE</b> <b>HOWARD STREET</b>	F.A.U. RTE. 1334	SECTION 14-00301-00-BT	COUNTY COOK	TOTAL SHEETS 53	SHEET NO. 17
	DATE - 06-07-16	FILE - 130722SHT_PH2-PP6.dgn			SCALE: H: 1"=20' V: 1"=5'	STA. 36+50 TO STA. 42+00	FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT TE-0001(976)	CONTRACT NO. 61D09



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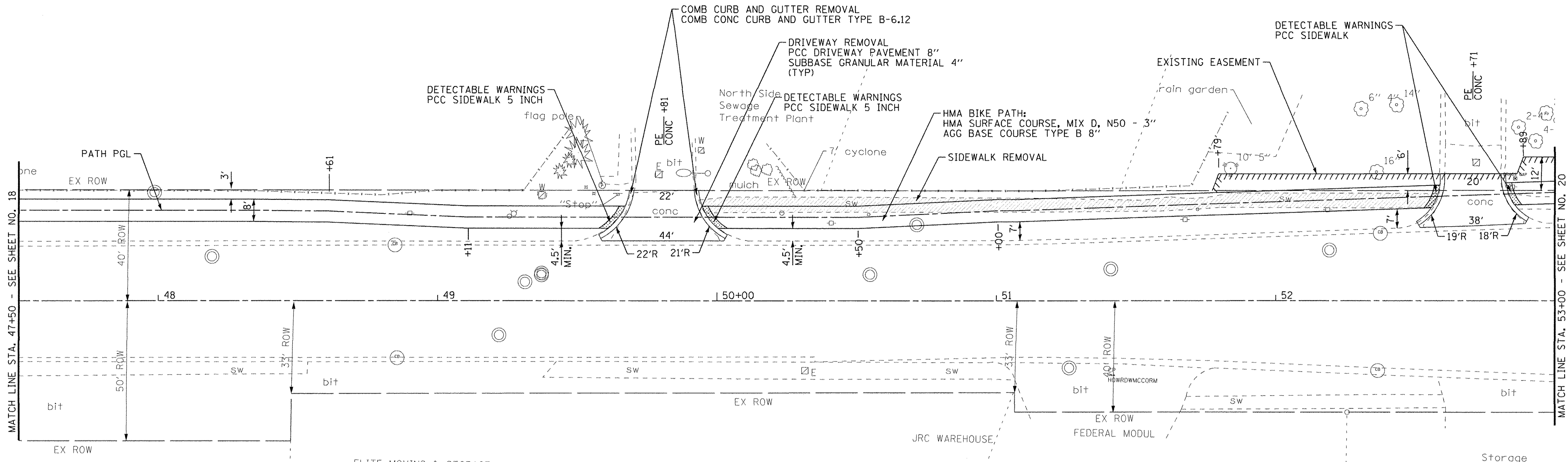
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DRAWN - CJC	REVISED -
CHECKED - DSH	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

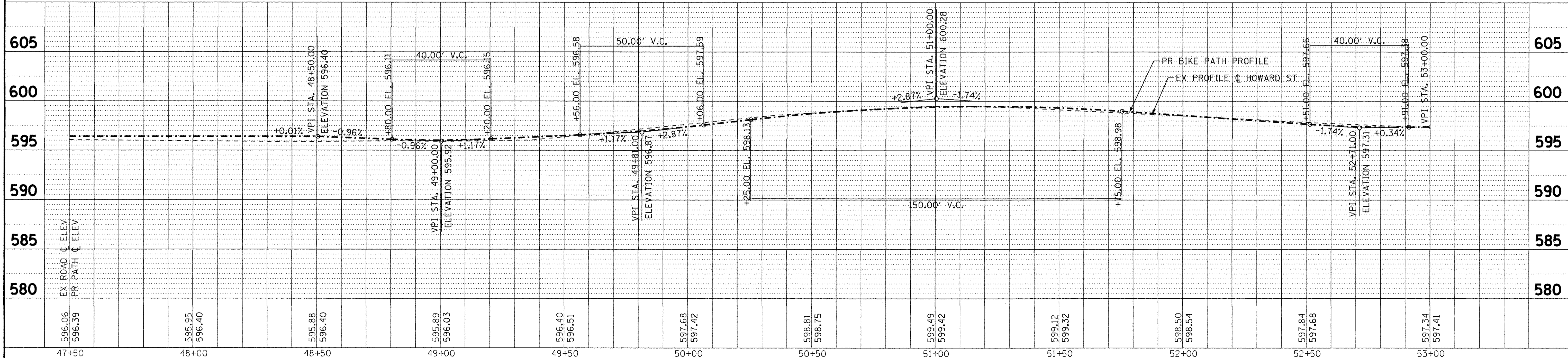
**PLAN AND PROFILE  
HOWARD STREET**

SCALE: H' 1"=20' V: 1"=5'	STA. 42+00 TO STA. 47+50	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT TE-0001976
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F.A.U. RTE. 1334	SECTION 14-00301-00-BT	COUNTY COOK	TOTAL SHEETS 53	SHEET NO. 18
CONTRACT NO. 61D09				



# HOWARD STREET



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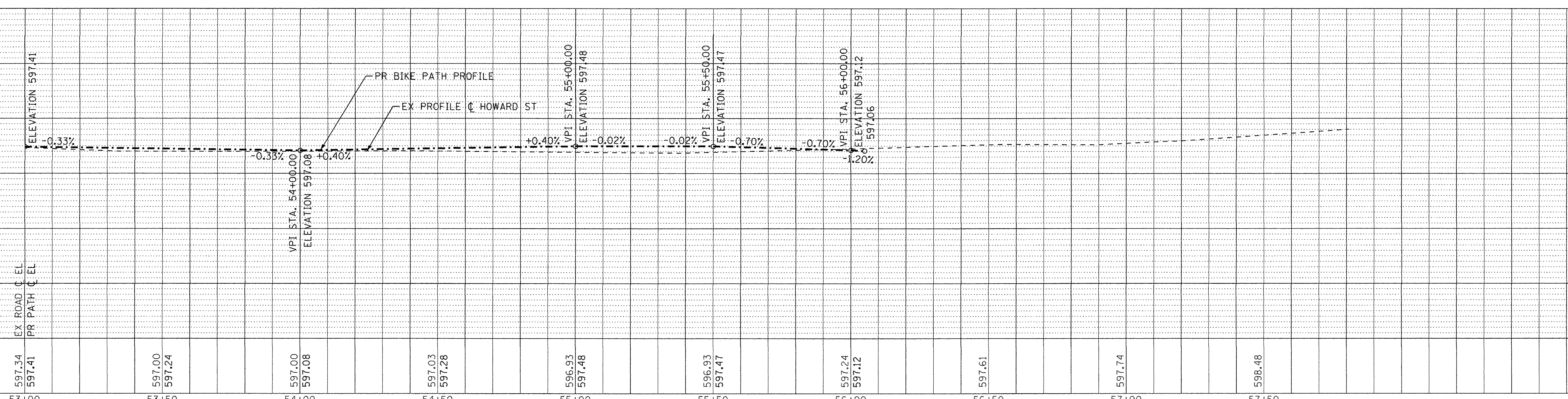
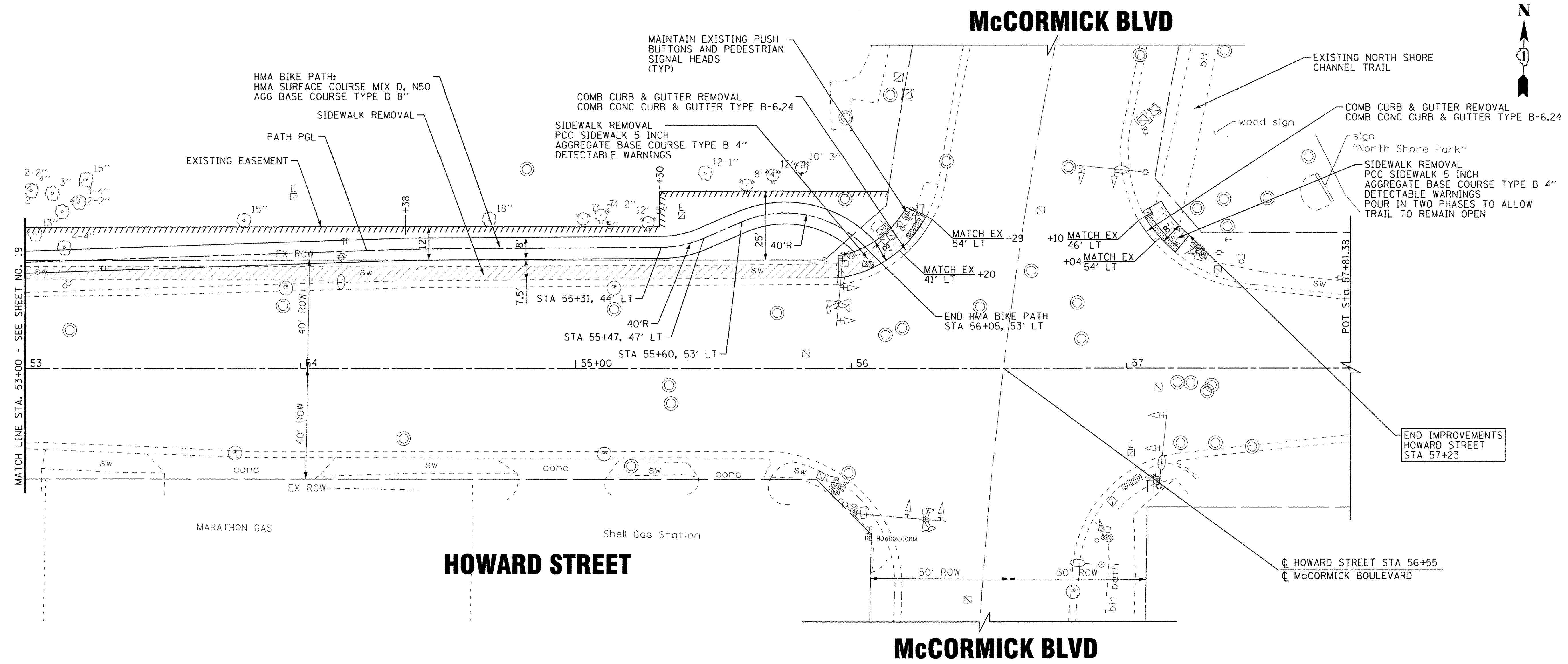
<b>BAXTER &amp; WOODMAN</b> Consulting Engineers	DESIGNED - JDM	REVISED -
	DRAWN - CJC	REVISED -
	CHECKED - DSH	REVISED -
	DATE - 06-07-16	FILE - 130722SHT_PH2-PP8.dgn

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE  
HOWARD STREET

SCALE: H<sup>1</sup>":20' V<sup>1</sup>":5'      STA. 47+50 TO STA. 53+00

F.A.U. RTE. 1334	SECTION 14-00301-00-BT	COUNTY COOK	TOTAL SHEETS 53	SHEET NO. 19
CONTRACT NO. 61D09			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT TE-00D(1976)	



53+00	53+50	54+00	54+50	55+00	55+50	56+00	56+50	57+00	57+50
597.34 597.41	597.00 597.24	597.00 597.08	597.03 597.28	596.93 597.48	596.93 597.47	597.24 597.12	597.61	597.74	598.48



DESIGNED - JDM	REVISED -
DRAWN - CJC	REVISED -
CHECKED - DSH	REVISED -
DATE - 06-07-16	FILE - 130722SHT_PH2-PP9.dgn

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

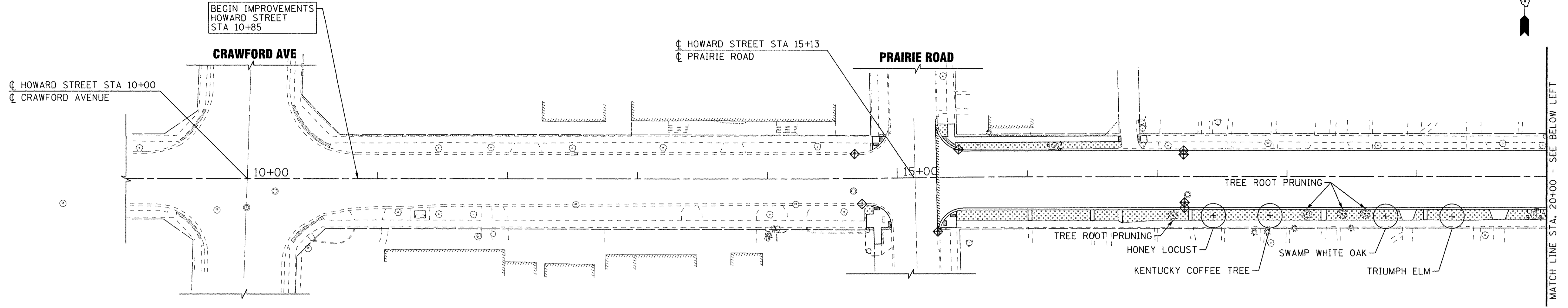
**PLAN AND PROFILE  
HOWARD STREET**

SCALE: H: 1/4"=20' V: 1"=5'  
STA. 53+00 TO STA. 57+00

F.A.U. RTE. 1334	SECTION 14-00301-00-BT	COUNTY COOK	TOTAL SHEETS 53	SHEET NO. 20
CONTRACT NO. 61D09				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT TE-000(1976)				

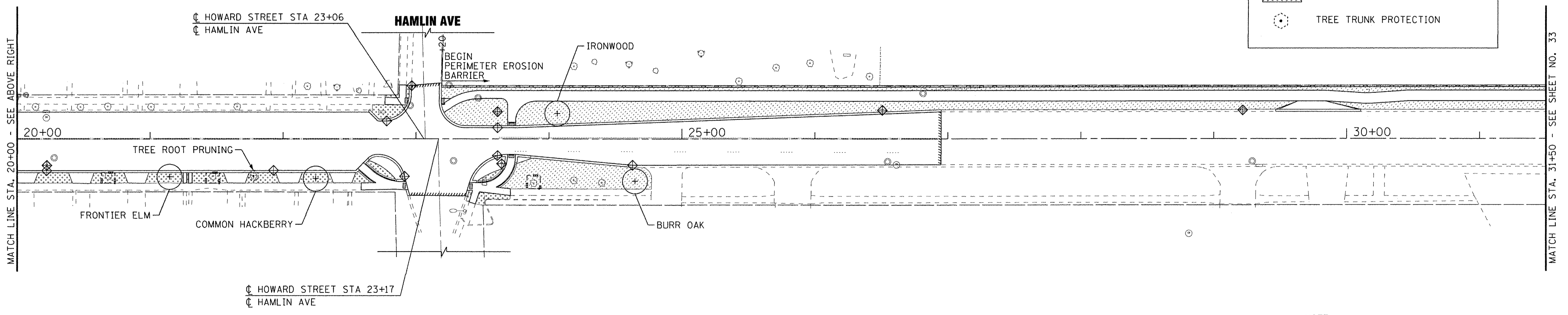
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# HOWARD STREET



MATCH LINE STA. 20+00 - SEE BELOW LEFT

# HOWARD STREET



MATCH LINE STA. 20+00 - SEE ABOVE RIGHT

MATCH LINE STA. 31+50 - SEE SHEET NO. 33

**LEGEND**

- PERIMETER EROSION BARRIER
- TEMPORARY FENCE
- PROPOSED TREE
- INLET FILTERS
- SEEDING CLASS 1A AND EROSION CONTROL BLANKET
- SODDING, SALT TOLERANT
- TREE TRUNK PROTECTION

**NOTE:**  
 CONTRACTOR SHALL PROVIDE SPADE EDGES FOR ALL SODDING AREAS ABUTTING EXISTING TREES BY MAINTAINING A MINIMUM 5' DIAMETER MULCH BED AROUND EXISTING TREE

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<b>BAXTER &amp; WOODMAN</b> <small>Consulting Engineers</small>	DESIGNED - JDM	REVISED -
	DRAWN - CJC	REVISED -
	CHECKED - DSH	REVISED -
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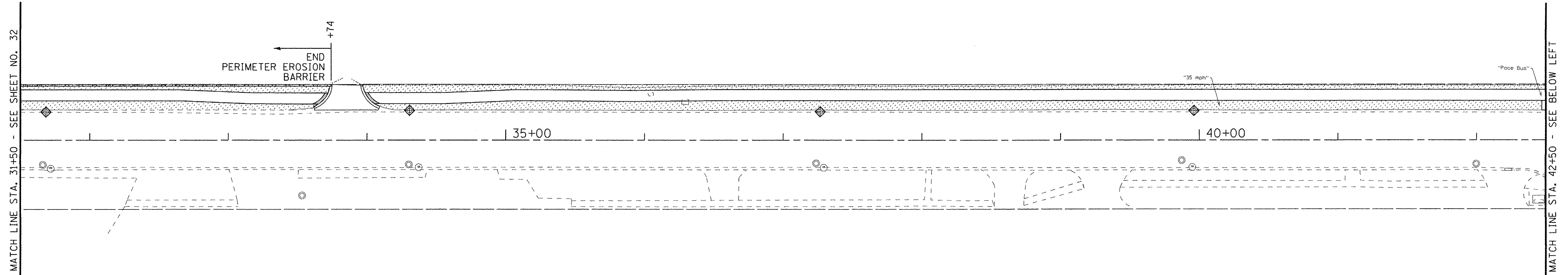
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL AND LANDSCAPING PLAN  
 HOWARD STREET**

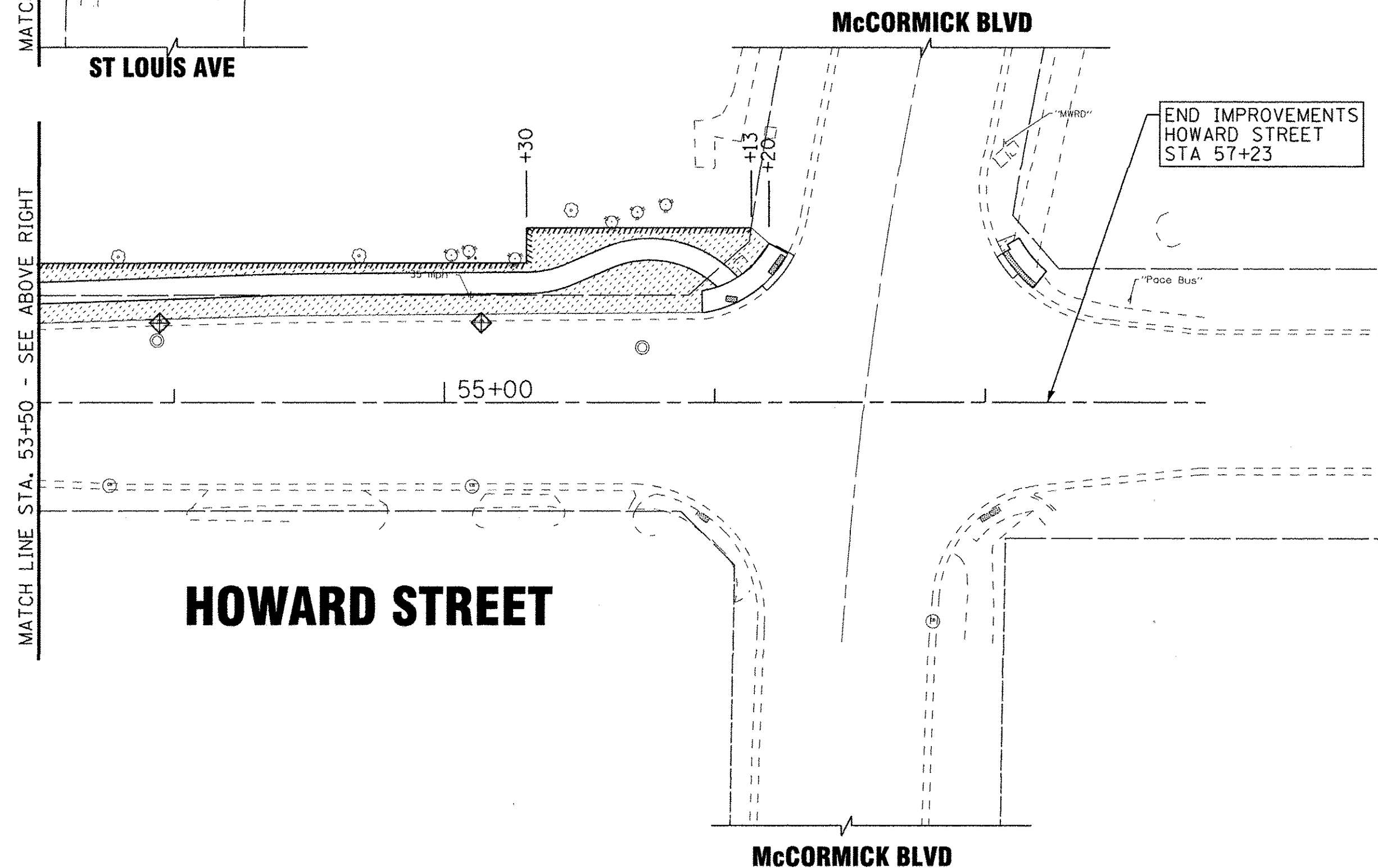
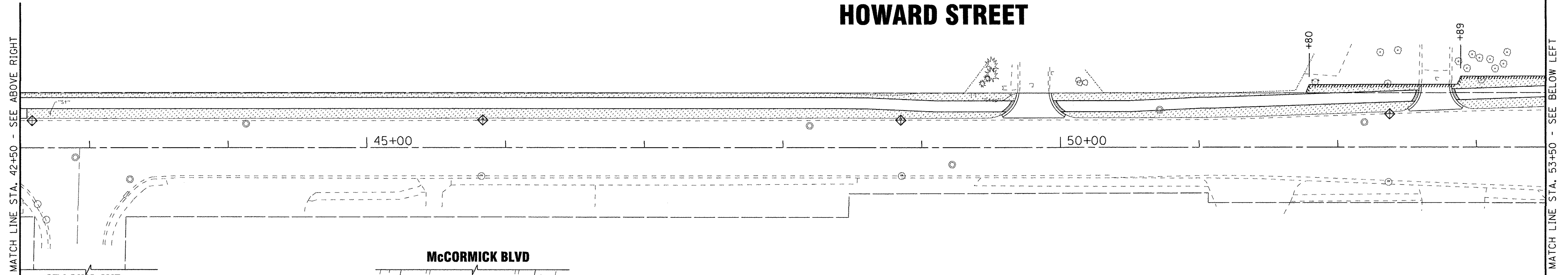
SCALE: 1" = 40'      STA. 9+00 TO STA. 31+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	14-00301-00-BT	COOK	53	21
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT TE-00DI(976)			CONTRACT NO. 61D09	

# HOWARD STREET



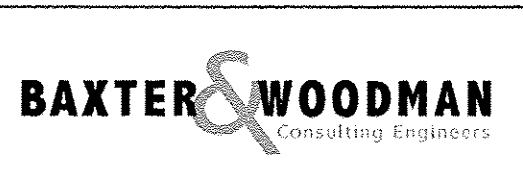
# HOWARD STREET



LEGEND	
	PERIMETER EROSION BARRIER
	TEMPORARY FENCE
	PROPOSED TREE
	INLET FILTERS
	SEEDING CLASS 1A AND EROSION CONTROL BLANKET
	SODDING, SALT TOLERANT
	TREE TRUNK PROTECTION

**NOTE:**  
 CONTRACTOR SHALL PROVIDE SPADE EDGES FOR ALL SODDING AREAS ABUTTING EXISTING TREES BY MAINTAINING A MINIMUM 5' DIAMETER MULCH BED AROUND EXISTING TREE

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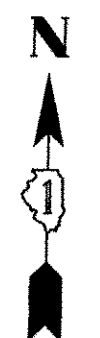
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CHECKED -	DSH	REVISED -	
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**EROSION CONTROL AND LANDSCAPING PLAN  
 HOWARD STREET**

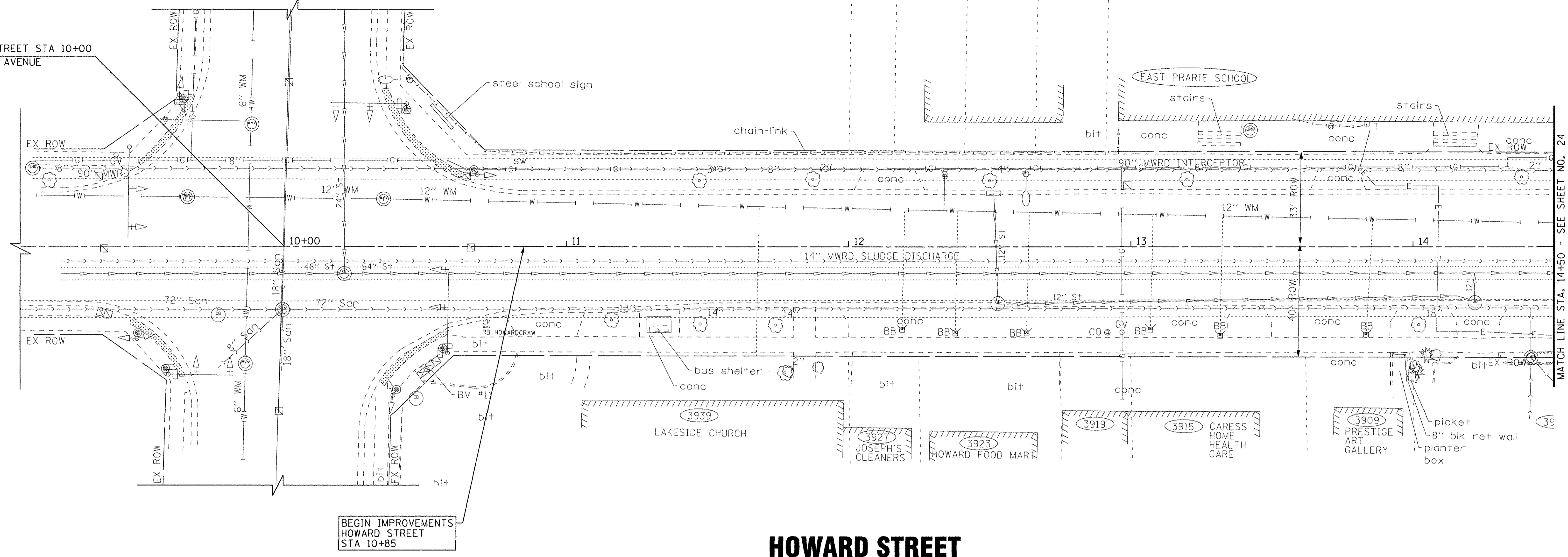
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61D09				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT TE-00D1976				

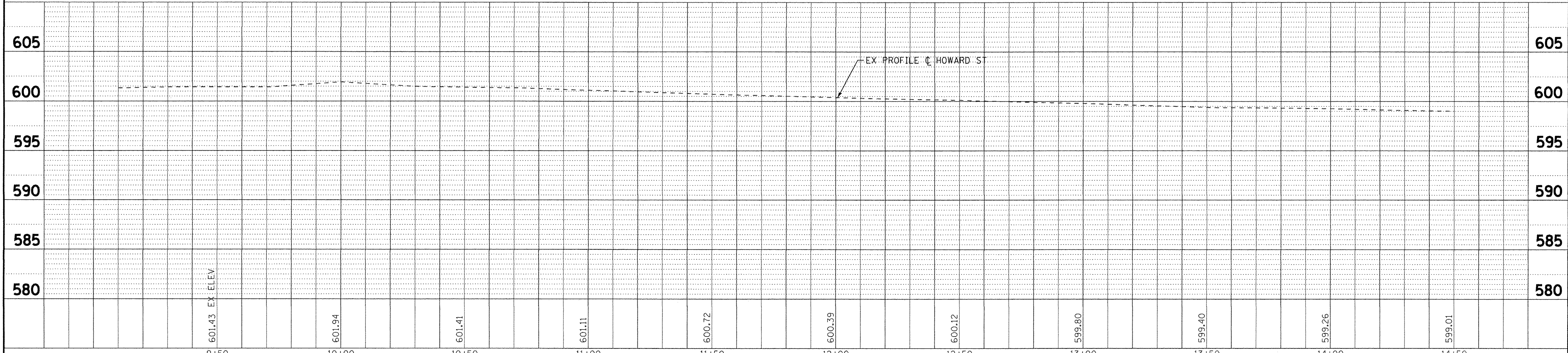


# CRAWFORD AVE

☐ HOWARD STREET STA 10+00  
☐ CRAWFORD AVENUE



# HOWARD STREET



9+50	10+00	10+50	11+00	11+50	12+00	12+50	13+00	13+50	14+00	14+50
601.43	601.94	601.41	601.11	600.72	600.39	600.12	599.80	599.40	599.26	599.01

**BAXTER & WOODMAN**  
Consulting Engineers

DESIGNED - JDM	REVISED -
DRAWN - CJC	REVISED -
CHECKED - DSH	REVISED -
DATE - 06-07-16	FILE - 130722SHT_PH2-DUI.dgn

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

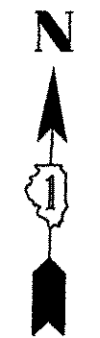
**DRAINAGE & UTILITIES**  
**HOWARD STREET**

SCALE: H: 1"=20' V: 1"=5'  
STA. 9+00 TO STA. 14+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61D09				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT TE-00D(1976)				

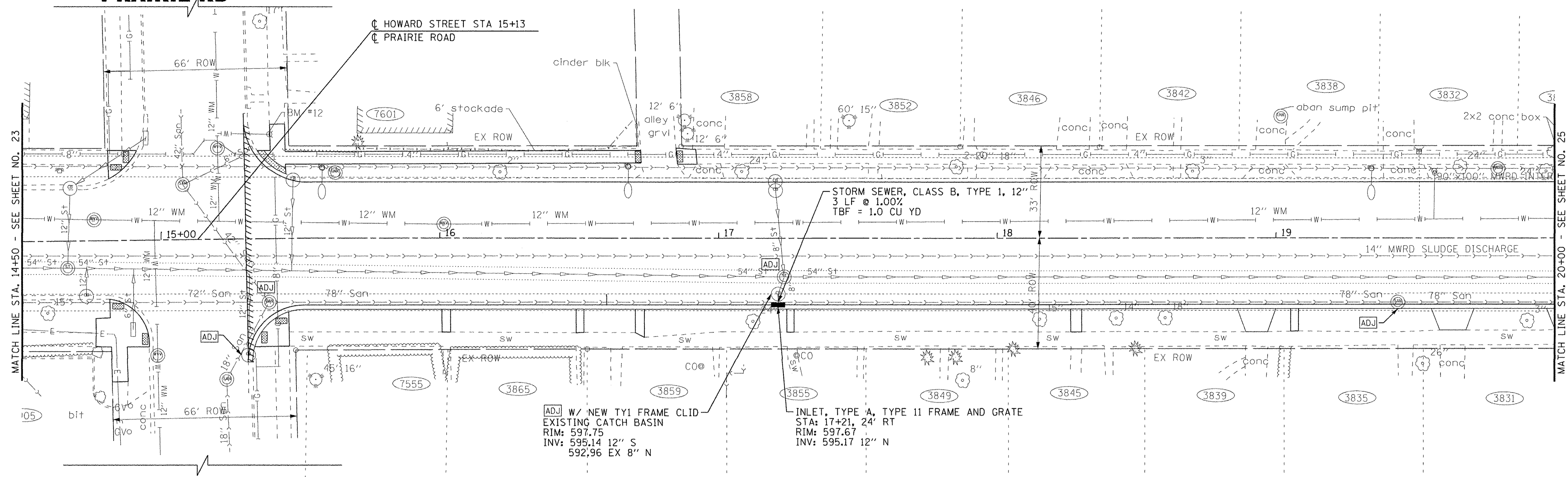
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MATCH LINE STA. 14+50 - SEE SHEET NO. 24

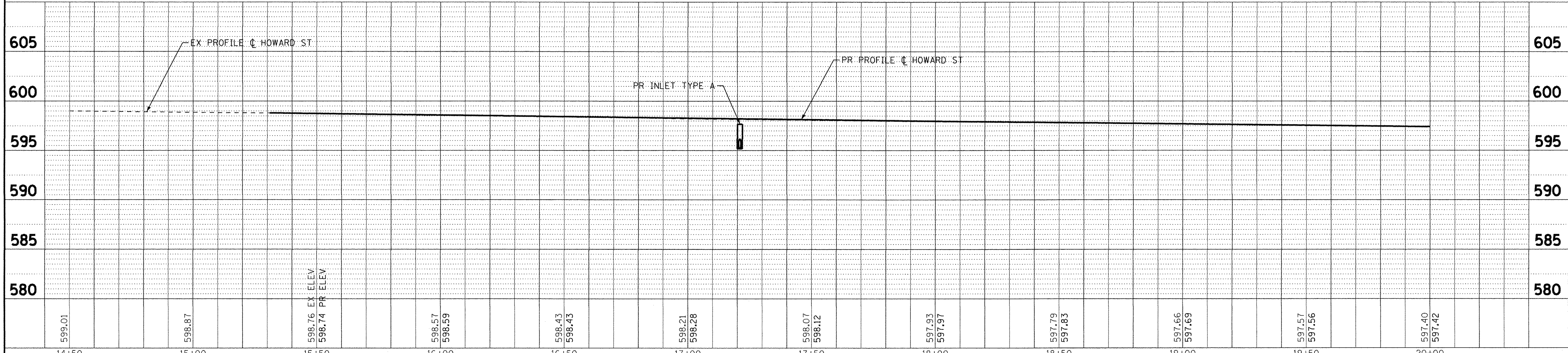


# PRAIRIE RD

CL HOWARD STREET STA 15+13  
CL PRAIRIE ROAD



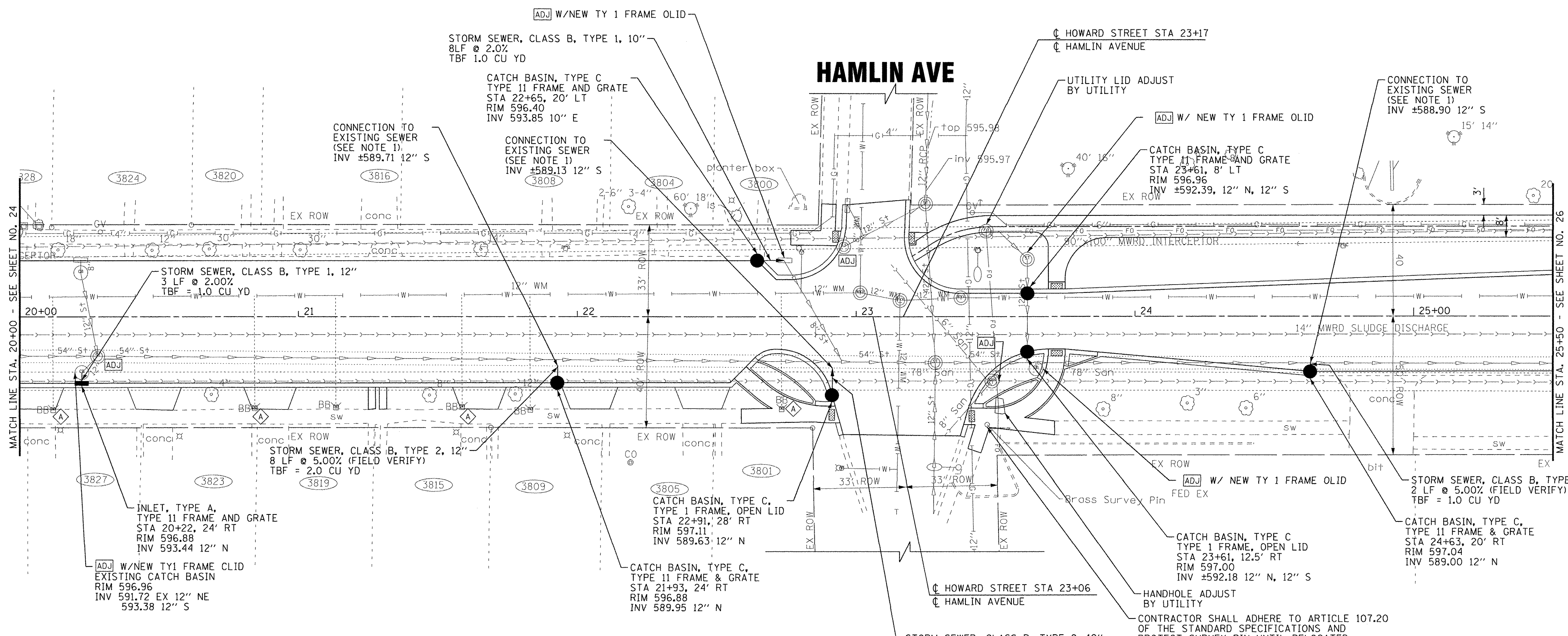
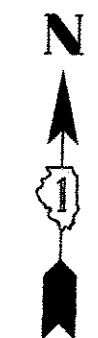
# HOWARD STREET



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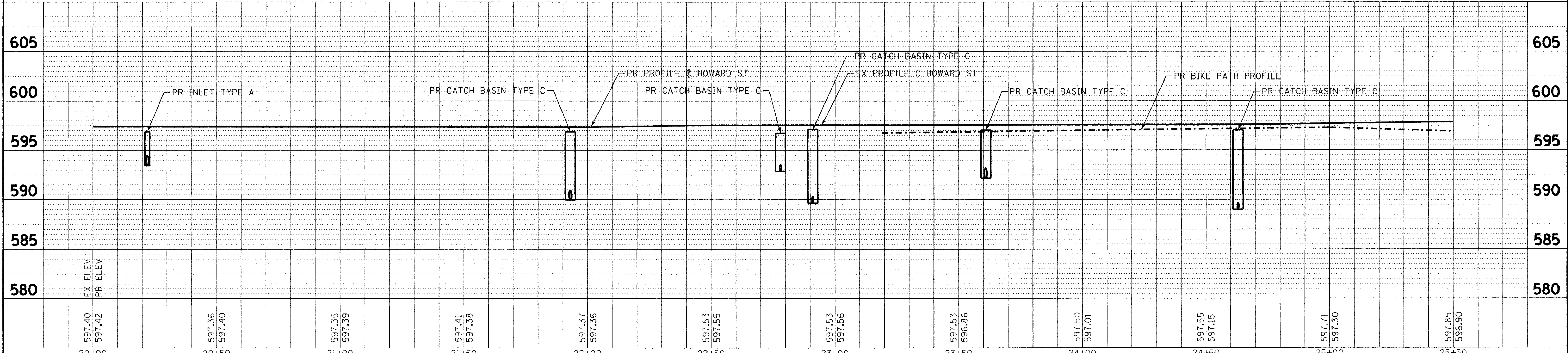
<b>BAXTER &amp; WOODMAN</b> Consulting Engineers	DESIGNED - JDM	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE &amp; UTILITIES</b> <b>HOWARD STREET</b>	F.A.U. RTE. 1334	SECTION 14-00301-00-BT	COUNTY COOK	TOTAL SHEETS 53	SHEET NO. 24
	DRAWN - CJC	REVISED -			CONTRACT NO. 61D09	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT TE-00D(1976)		
	CHECKED - DSH	REVISED -							
	DATE - 06-07-16	FILE - 130722SHT_PH2-DU2.dgn			SCALE: H: 1"=20' V: 1"=5'	STA. 14+50	TO STA. 20+00		





NOTE 1:  
 INCLUDED IN THE COST OF STORM SEWER  
 (GENERAL NOTE \*14). SEE IDOT D1 DETAIL  
 BD-07, DETAIL "C" (SHEET 36)

### HOWARD STREET



**BAXTER & WOODMAN**  
 Consulting Engineers

DESIGNED - JDM  
 DRAWN - CJC  
 CHECKED - DSH  
 DATE - 06-07-16

REVISED 7-7-15 PER MWRD  
 REVISED -  
 REVISED -  
 FILE - 130722SHT\_PH2-DU3.dgn

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

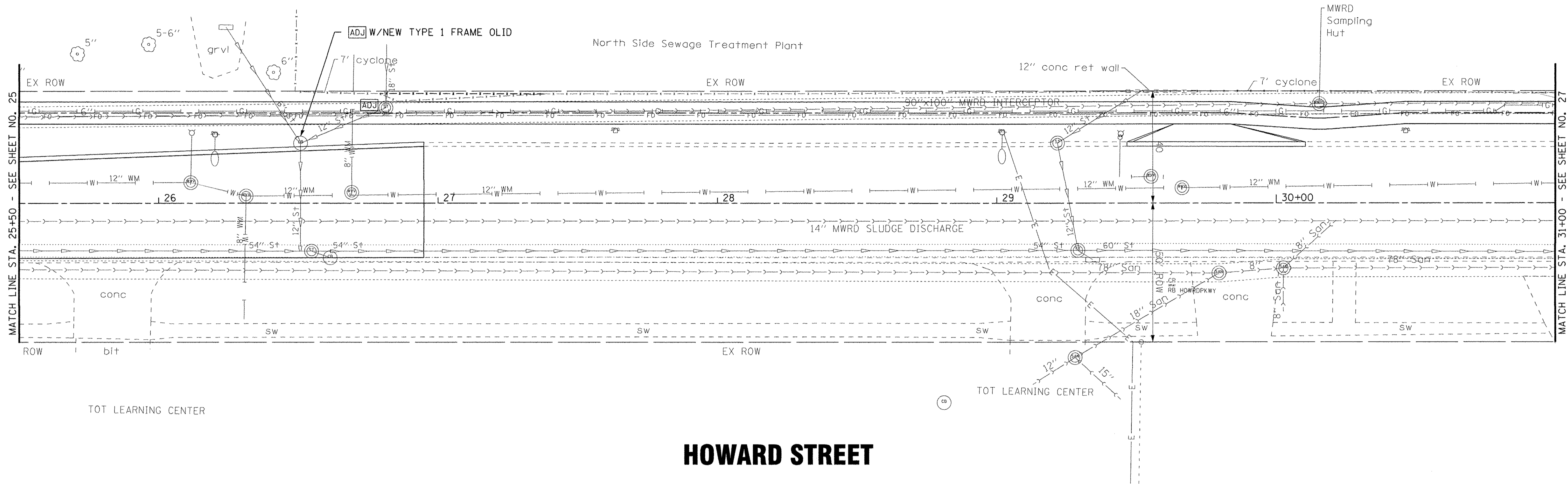
DRAINAGE & UTILITIES  
 HOWARD STREET

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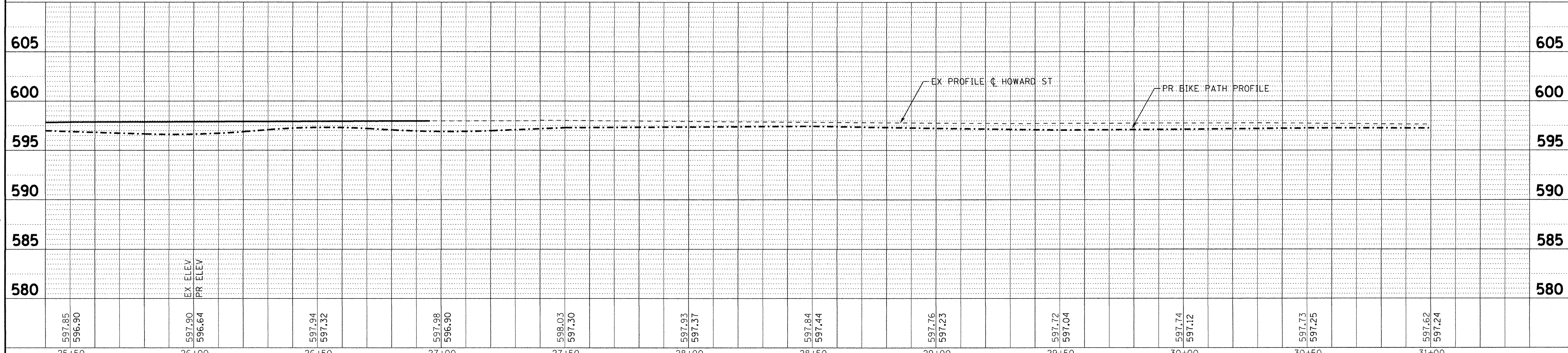
STA. 20+00 TO STA. 25+50

F.A.U. RTE. 1334	SECTION 14-00301-00-BT	COUNTY COOK	TOTAL SHEETS 53	SHEET NO. 25
CONTRACT NO. 61D09				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT TE-00019761				

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# HOWARD STREET



25+50	26+00	26+50	27+00	27+50	28+00	28+50	29+00	29+50	30+00	30+50	31+00
597.85 596.90	597.90 596.64	597.94 597.32	597.98 596.90	598.03 597.30	597.93 597.37	597.84 597.44	597.76 597.23	597.72 597.04	597.74 597.12	597.73 597.25	597.62 597.24

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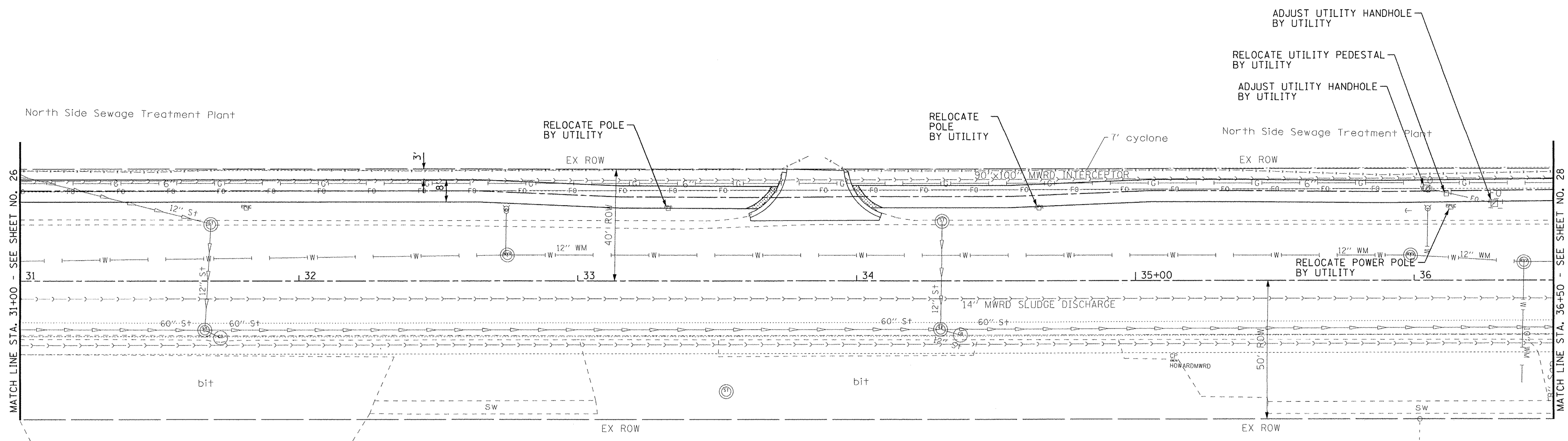


DESIGNED - JDM	REVISED -
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CHECKED - DSH	REVISED -
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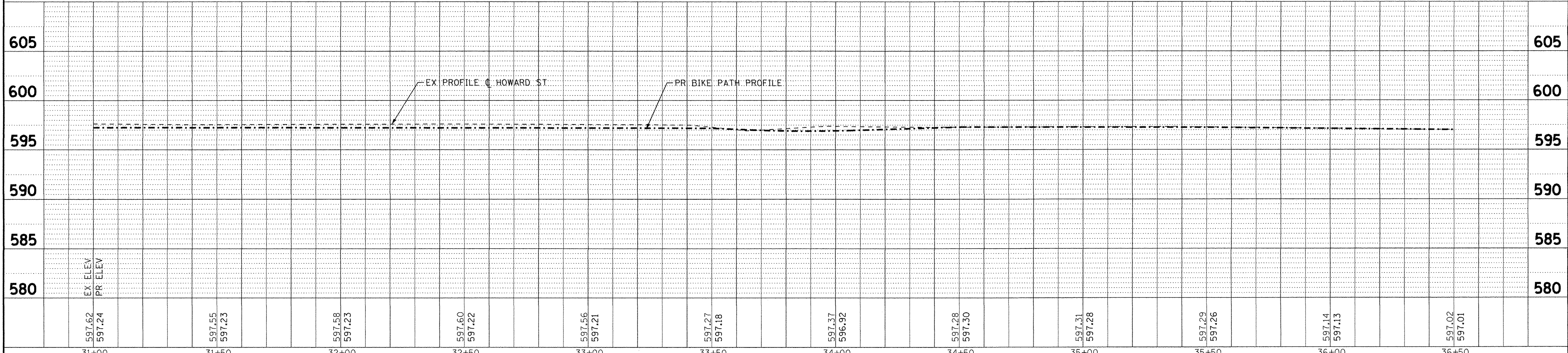
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE & UTILITIES  
HOWARD STREET**

SCALE: H: 1"=20' V: 1"=5'      STA. 25+50 TO STA. 31+00      F.A.U. RTE. 1334      SECTION 14-00301-00-BT      COUNTY COOK      TOTAL SHEETS 53      SHEET NO. 26      CONTRACT NO. 61D09      ILLINOIS FED. AID PROJECT TE-001(976)



# HOWARD STREET



597.62	597.24	597.55	597.23	597.58	597.23	597.60	597.22	597.56	597.21	597.27	597.18	597.37	596.92	597.28	597.30	597.31	597.28	597.29	597.26	597.14	597.13	597.02	597.01
31+00	31+50	32+00	32+50	33+00	33+50	34+00	34+50	35+00	35+50	36+00	36+50												

**BAXTER & WOODMAN**  
Consulting Engineers

DESIGNED - JDM  
DRAWN - CJC  
CHECKED - DSH  
DATE - 06-07-16

REVISED -  
REVISED -  
REVISED -

FILE - 130722SHT\_PH2-DU5.dgn

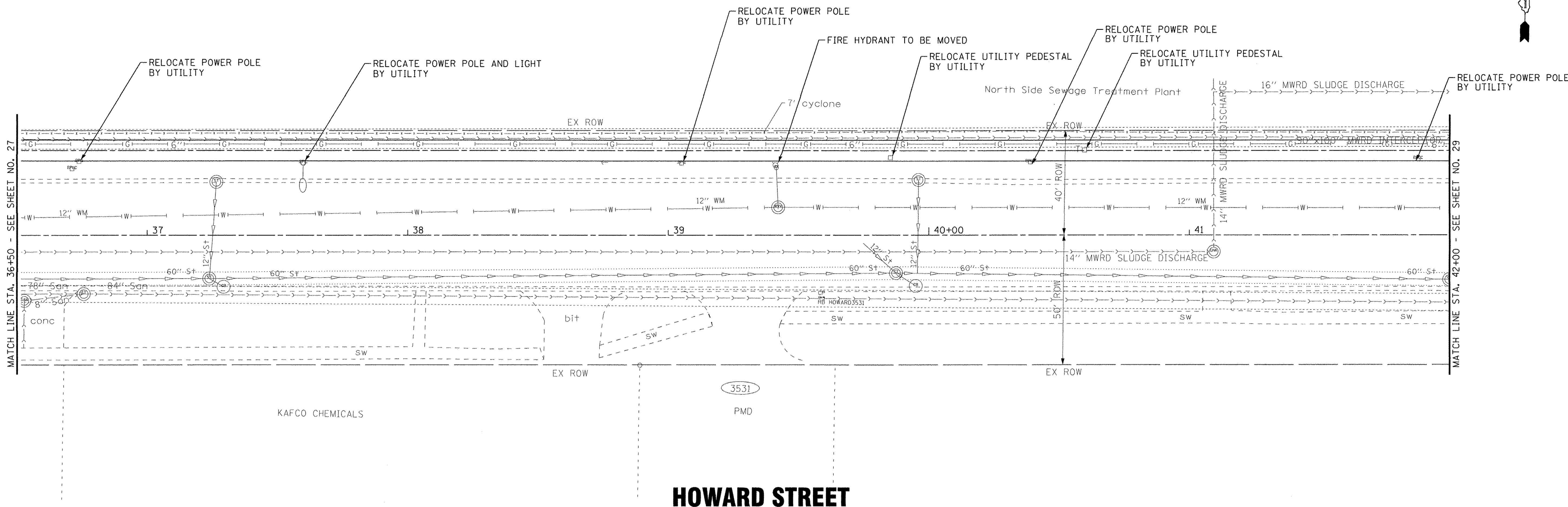
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRAINAGE & UTILITIES  
HOWARD STREET

SCALE: H: 1"=20' V: 1"=5'  
STA. 31+00 TO STA. 36+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	14-00301-00-BT	COOK	53	27
CONTRACT NO. 61D09				
ILLINOIS FED. AID PROJECT TE-00D(1976)				

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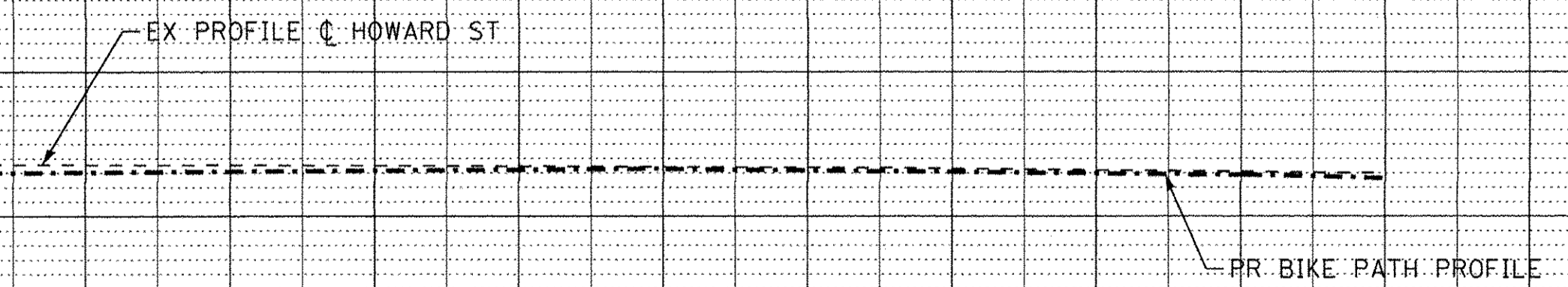


# HOWARD STREET

KAFCO CHEMICALS

3531  
PMD

605																													605
600																													600
595																													595
590																													590
585																													585
580	EX. ELEV	PR. ELEV																											580
	597.02	597.01																											
			596.99	596.88																									
			596.97	596.64																									
			597.00	596.91																									
			597.00	596.87																									
			596.92	596.84																									
			596.84	596.80																									
			596.80	596.49																									
			596.76	596.57																									
			596.71	596.64																									
			596.63	596.51																									
			596.51	596.31																									



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**BAXTER & WOODMAN**  
Consulting Engineers

DESIGNED - JDM	REVISED -
DRAWN - CJC	REVISED -
CHECKED - DSH	REVISED -
DATE - 06-07-16	FILE - 130722SHT_PH2-DU6.dgn

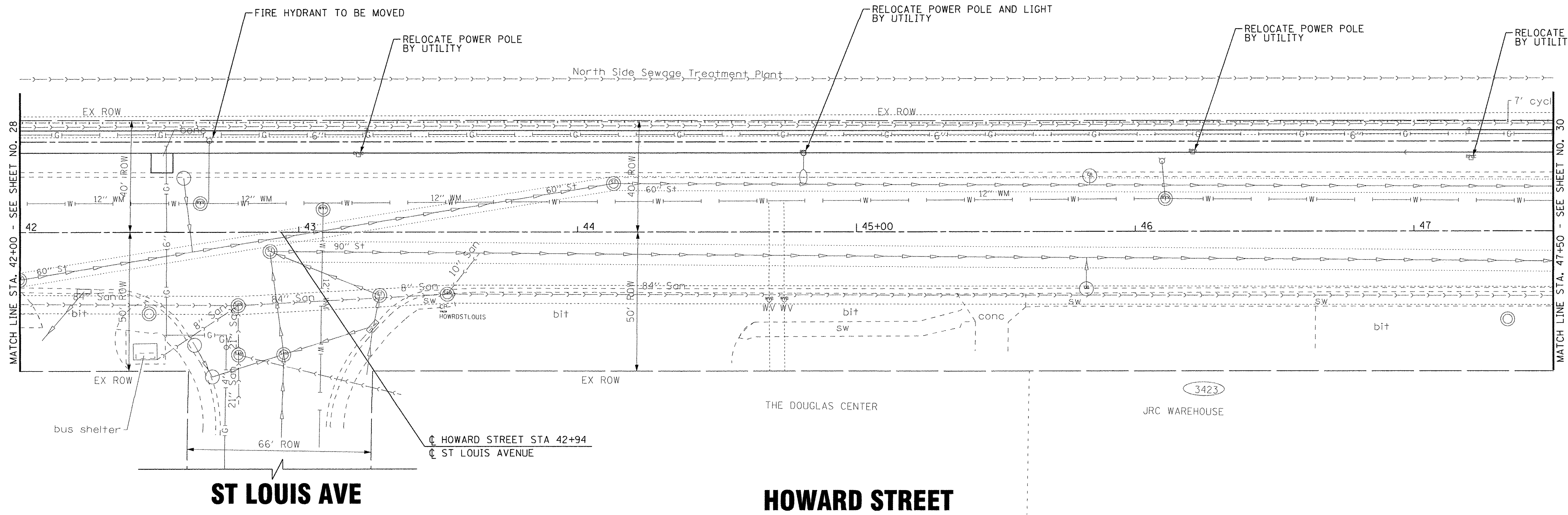
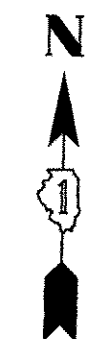
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE & UTILITIES  
HOWARD STREET**

SCALE: H: 1"=20' V: 1"=5'

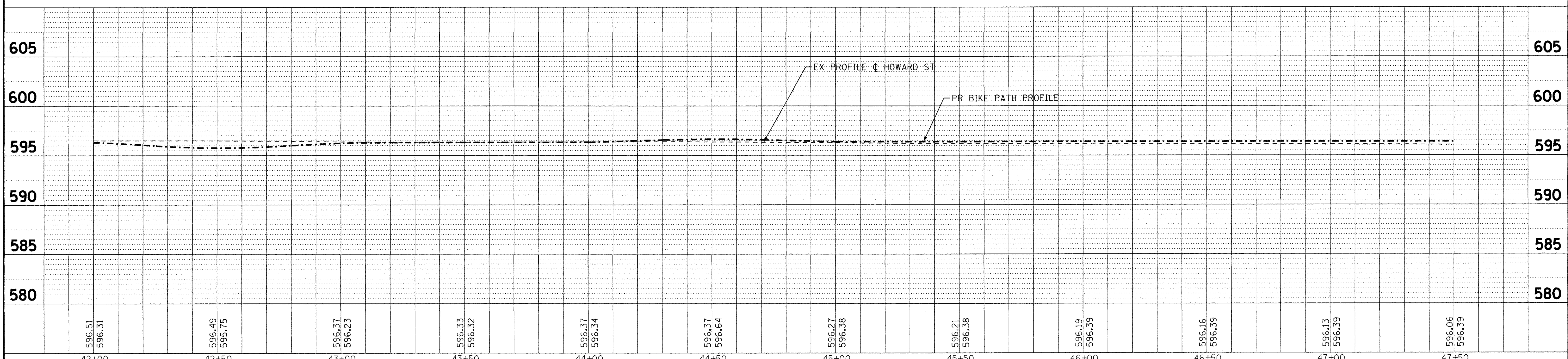
STA. 36+50 TO STA. 42+00

F.A.U. RTE. 1334	SECTION 14-00301-00-BT	COUNTY COOK	TOTAL SHEETS 53	SHEET NO. 28
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT TE-00DI(976)			CONTRACT NO. 61D09	



**ST LOUIS AVE**

**HOWARD STREET**



42+00	596.51 596.31	42+50	596.49 595.75	43+00	596.37 596.23	43+50	596.33 596.32	44+00	596.37 596.34	44+50	596.37 596.64	45+00	596.27 596.38	45+50	596.21 596.38	46+00	596.19 596.39	46+50	596.16 596.39	47+00	596.13 596.39	47+50	596.06 596.39
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**BAXTER & WOODMAN**  
Consulting Engineers

DESIGNED - JDM  
DRAWN - CJC  
CHECKED - DSH  
DATE - 06-07-16

REVISED - 7-7-15 PER MWRD  
REVISED -  
REVISED -

FILE - 130722SHT\_PH2-DU7.dgn

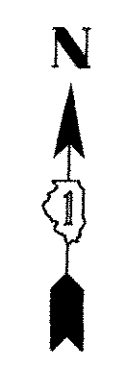
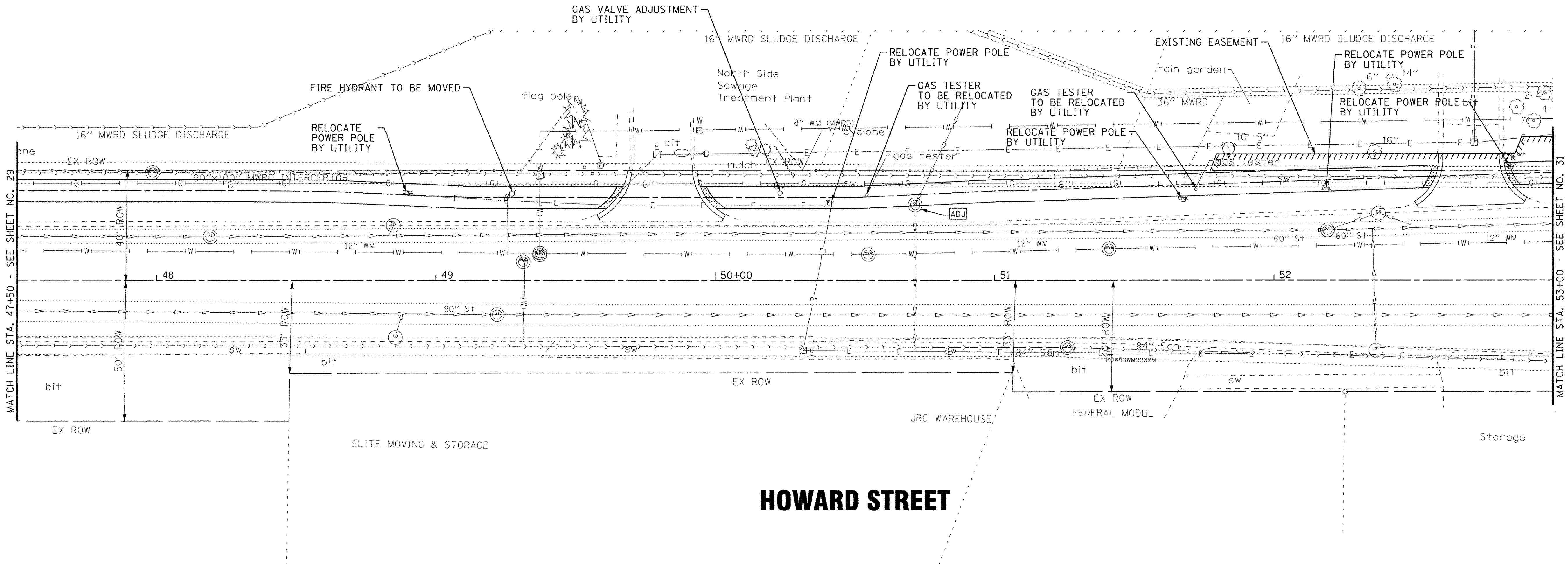
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE & UTILITIES  
HOWARD STREET**

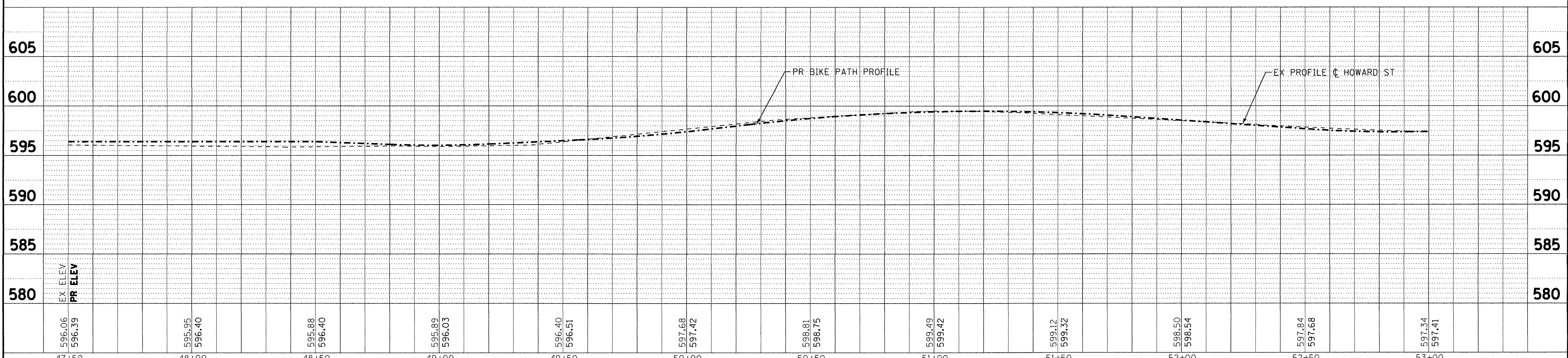
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F.A.W. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	14-00301-00-BT	COOK	53	29
CONTRACT NO. 61D09				

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# HOWARD STREET



STATION	EX ELEV	PR ELEV
47+50	596.06	596.39
48+00	595.95	596.40
48+50	595.88	596.40
49+00	595.89	596.03
49+50	596.40	596.51
50+00	597.68	597.42
50+50	598.81	598.75
51+00	599.49	599.42
51+50	599.12	599.32
52+00	598.50	598.54
52+50	597.84	597.68
53+00	597.34	597.41

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 LICENSE NO. - 184-00121 - EXPIRES 4/30/2017  
 PROJECT: 130722SHT\_PH2-DU8.dgn  
 DATE: 6/17/2016



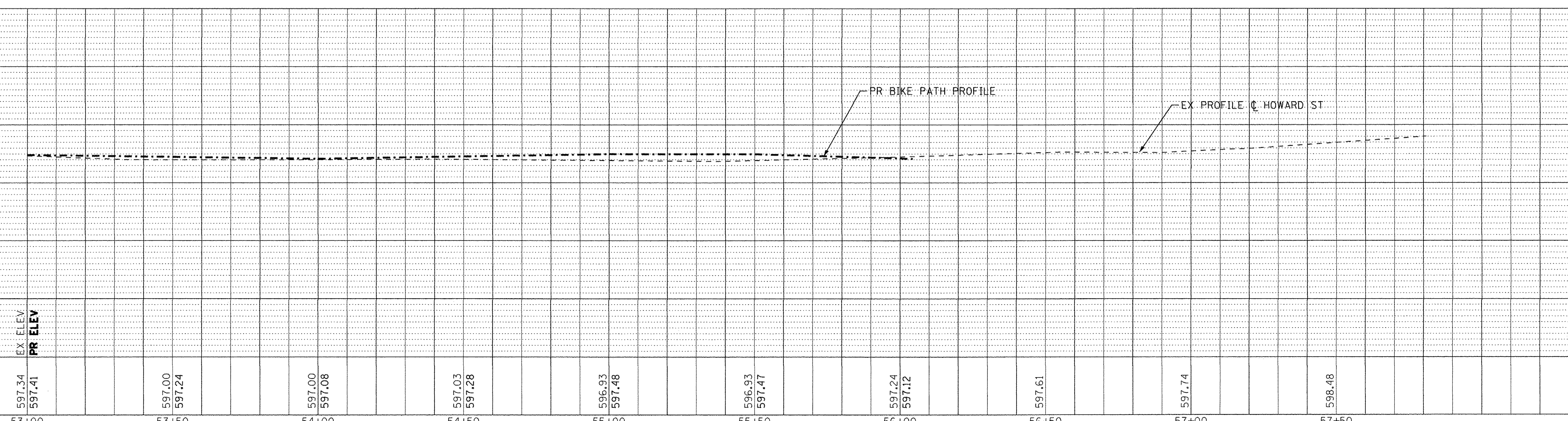
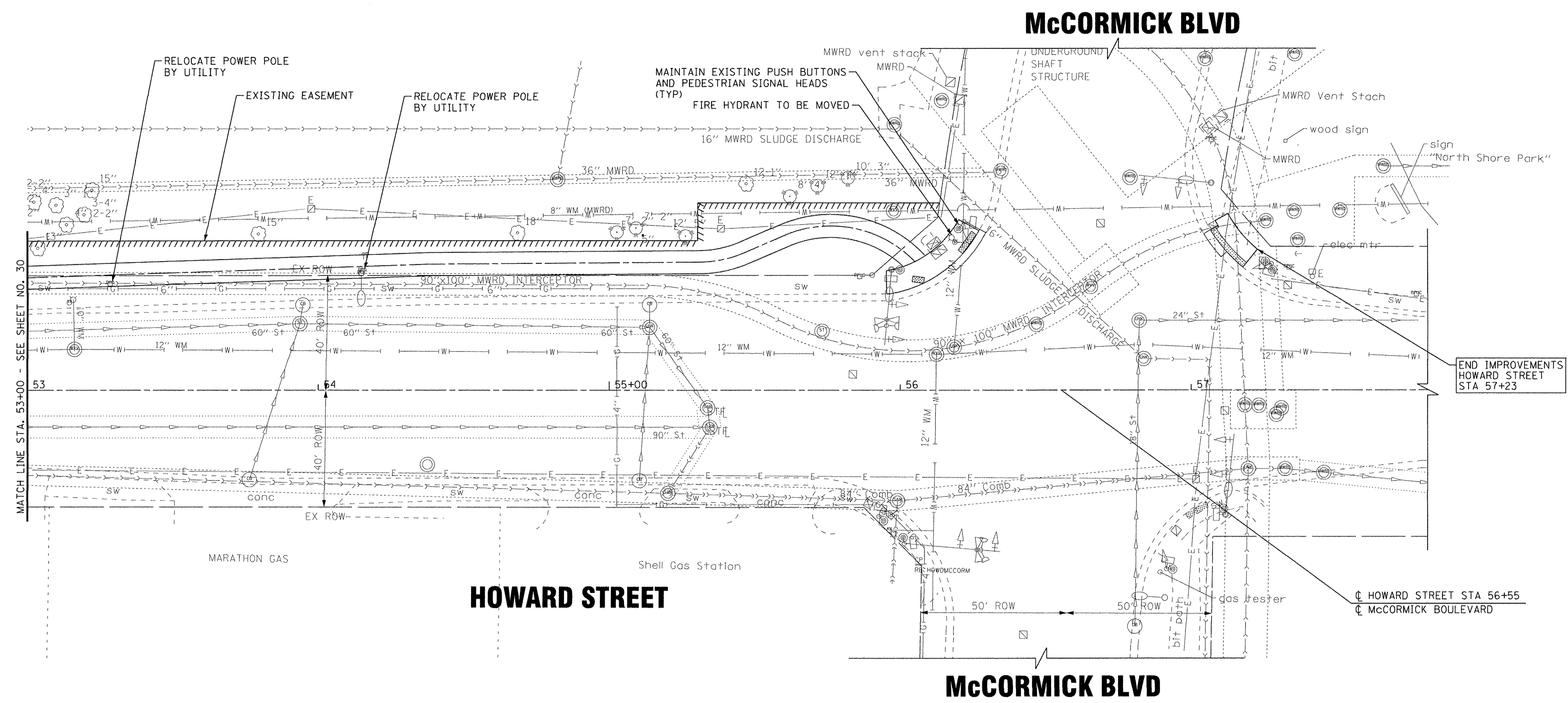
DESIGNED - JDM	REVISED -
DRAWN - CJC	REVISED -
CHECKED - DSH	REVISED -
DATE - 06-07-16	FILE - 130722SHT_PH2-DU8.dgn

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DRAINAGE & UTILITIES**  
**HOWARD STREET**

SCALE: H: 1"=20' V: 1"=5'  
 STA. 47+50 TO STA. 53+00

F.A.U. RTE. 1334	SECTION 14-00301-00-BT	COUNTY COOK	TOTAL SHEETS 53	SHEET NO. 30
CONTRACT NO. 61D09				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT TE-0001976				



53+00	597.34 597.41	53+50	597.00 597.24	54+00	597.00 597.08	54+50	597.03 597.28	55+00	596.93 597.48	55+50	596.93 597.47	56+00	597.24 597.12	56+50	597.61	57+00	597.74	57+50	598.48
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**BAXTER & WOODMAN**  
Consulting Engineers

DESIGNED - JDM	REVISED -
DRAWN - CJC	REVISED -
CHECKED - DSH	REVISED -
DATE - 06-07-16	FILE - 130722SHT_PH2-DU9.dgn

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

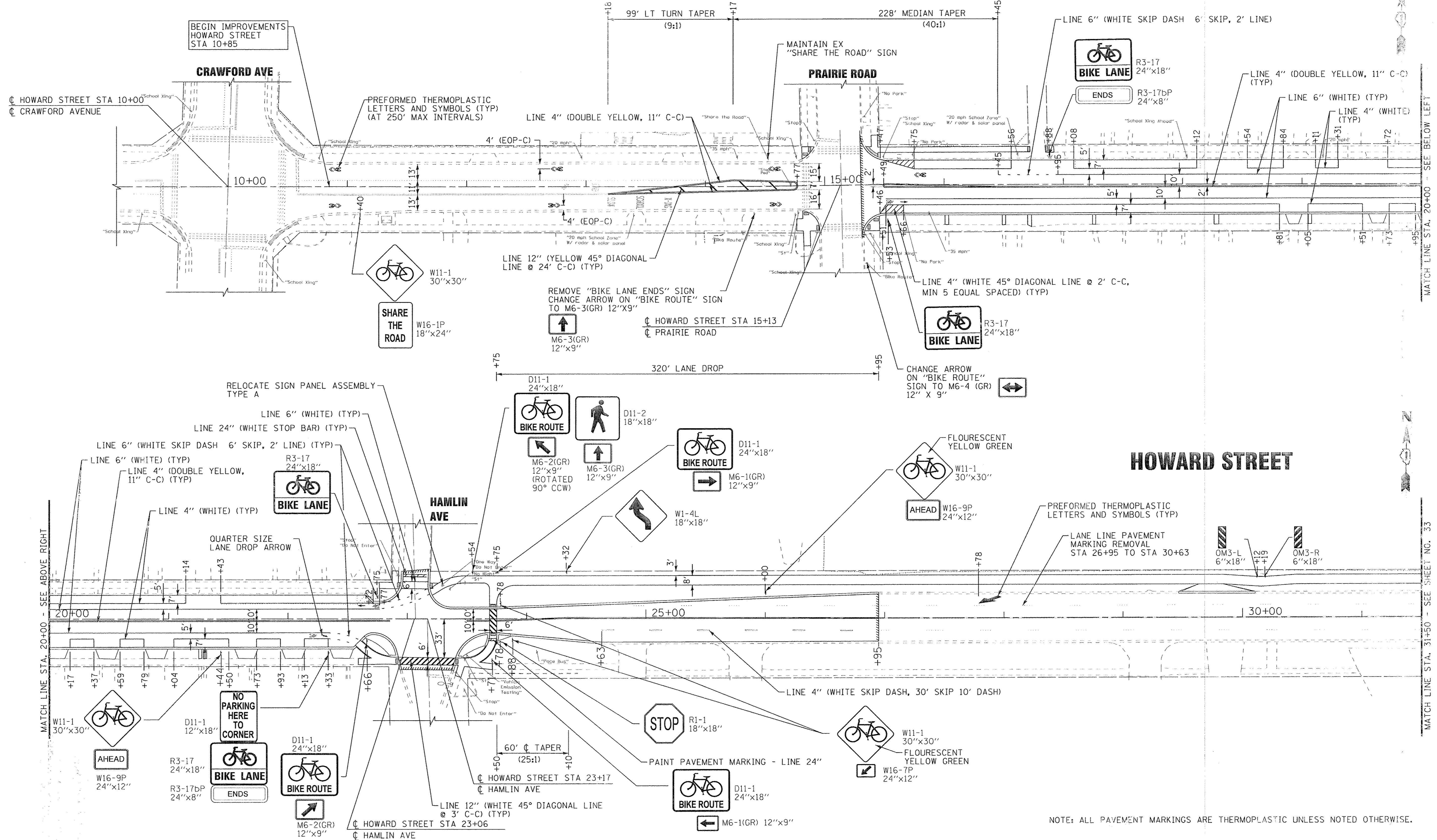
**DRAINAGE & UTILITIES**  
**HOWARD STREET**

SCALE: H: 1"=20' V: 1"=5'  
STA. 53+00 TO STA. 57+00

F.A.U. RTE. 1334	SECTION 14-00301-00-BT	COUNTY COOK	TOTAL SHEETS 53	SHEET NO. 31
CONTRACT NO. 61D09				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT TE-00DI(976)				

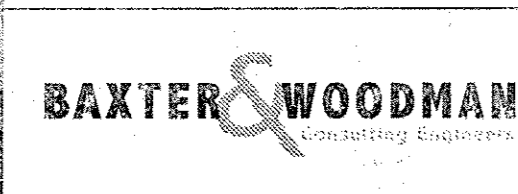
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 ILLINOIS PROFESSIONAL LAND SURVEYOR LICENSE NO. 03-3817 AM EXPIRES 6/7/2016  
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# HOWARD STREET



NOTE: ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS NOTED OTHERWISE.

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DESIGNED - JDM	REVISED -
DRAWN - CJC	REVISED -
CHECKED - DSH	REVISED -
DATE - 06-07-16	FILE - 130722SHT-PH2-PM1.dgn

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

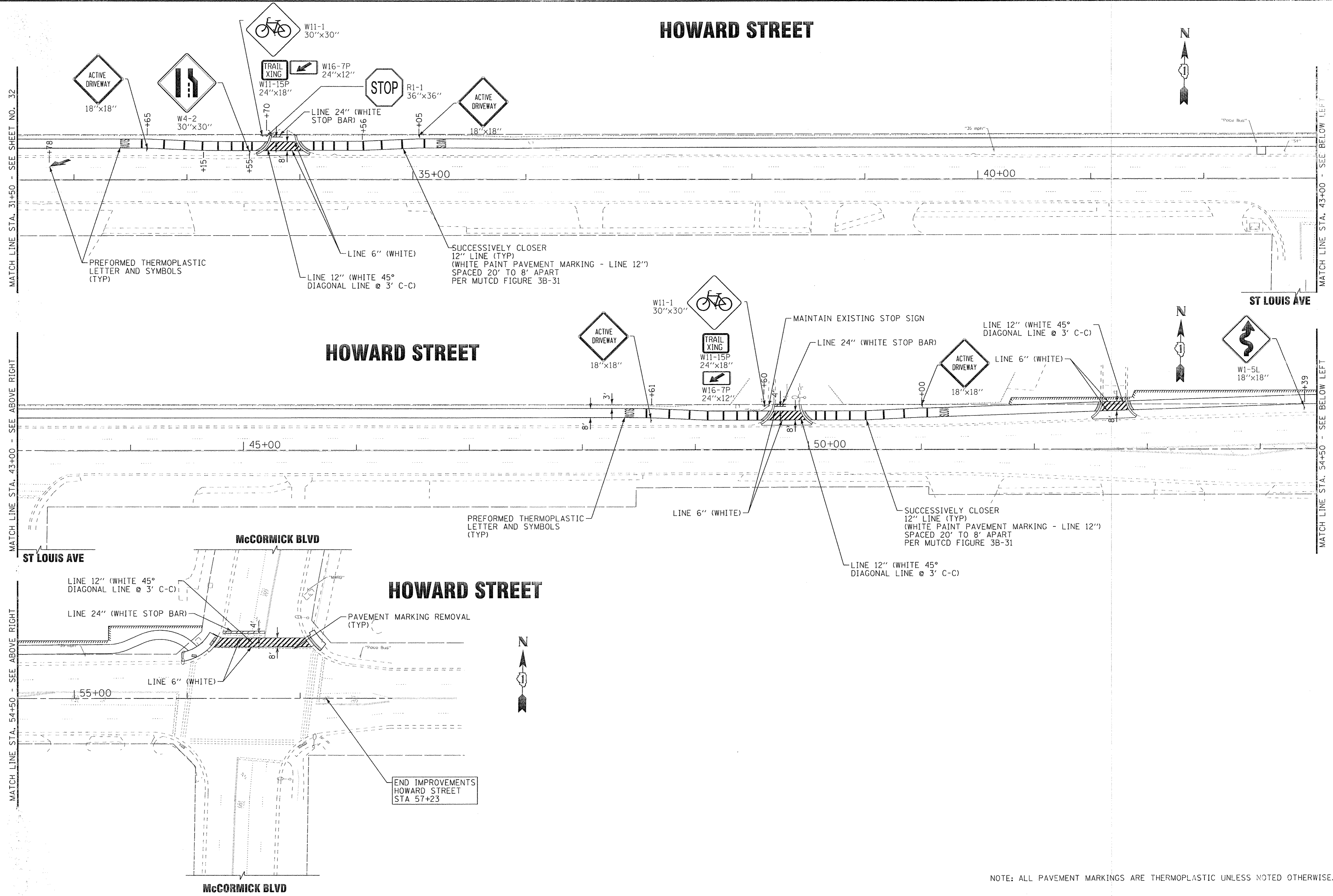
PAVEMENT MARKING AND SIGNING PLAN  
HOWARD STREET

SCALE: 1" = 40'  
STA. 9+00 TO STA. 31+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	14-R0301-00-BT	COOK	53	32
CONTRACT NO. 61D09				
FED. ROAD DIST. NO. ILLINOIS FEED. TO PROJECT FE-00039750				



# HOWARD STREET



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 255 N. WABASH ST., CHICAGO, IL 60610  
 TEL: 312.467.1100, FAX: 312.467.1101  
 WWW.BAXTERANDWOODMAN.COM  
 PROJECT: HOWARD STREET IMPROVEMENTS PHASE 2  
 DRAWING: PAVEMENT MARKING AND SIGNING PLAN  
 DATE: 06-07-16  
 FILE: 130722SHT\_PH2-PM2.dgn

	DESIGNED - JDM	REVISED -
	DRAWN - CJC	REVISED -
	CHECKED - DSH	REVISED -
	DATE - 06-07-16	FILE - 130722SHT_PH2-PM2.dgn

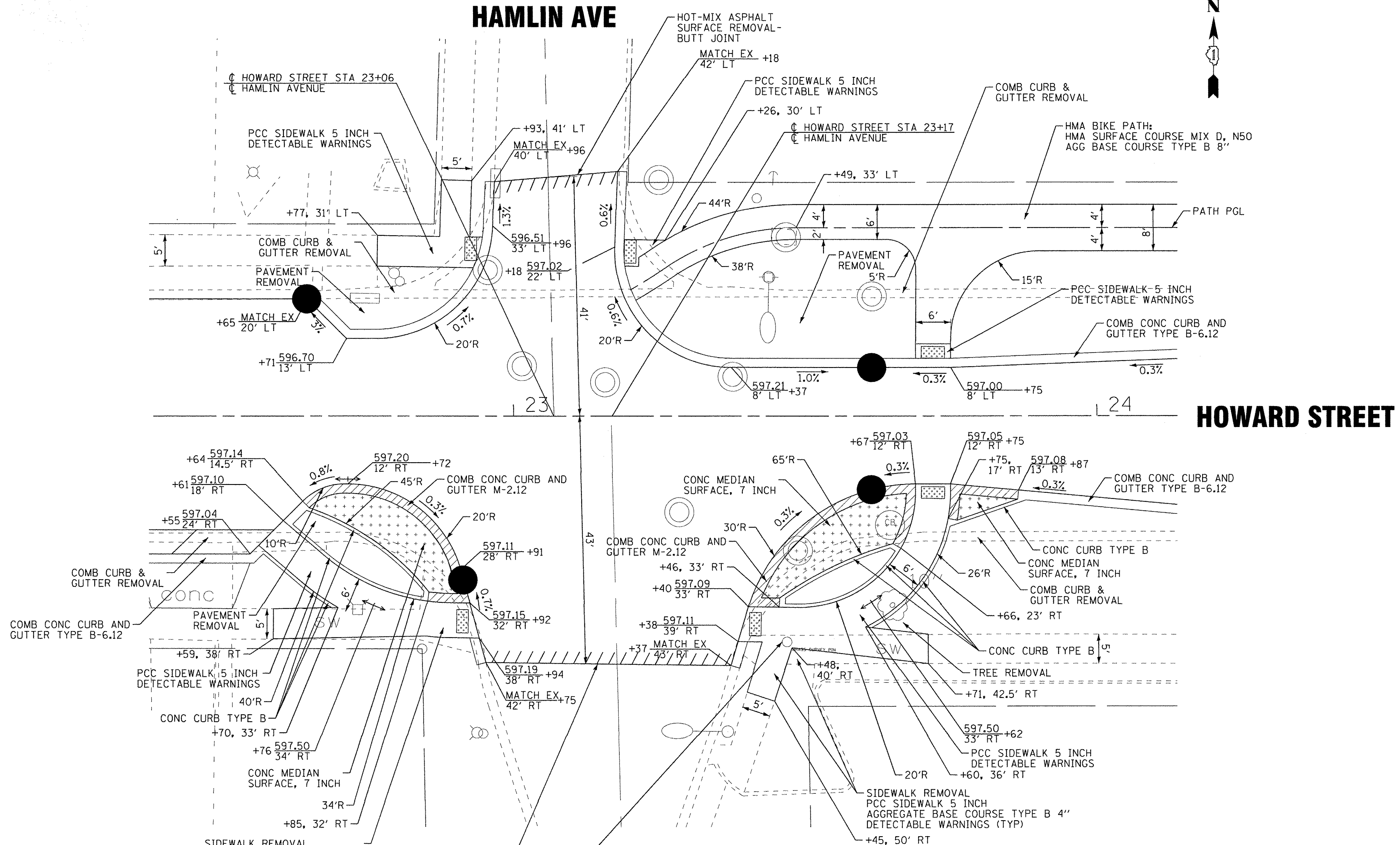
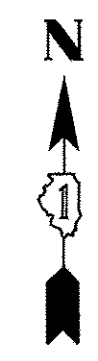
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN  
HOWARD STREET  
SCALE: 1" = 40'  
STA. 31+50 TO STA. 58+00

F.A.U. RTE. 1334	SECTION 14-00301-00-BT	COUNTY COOK	TOTAL SHEETS 53	SHEET NO. 33
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT ID: 000169769		

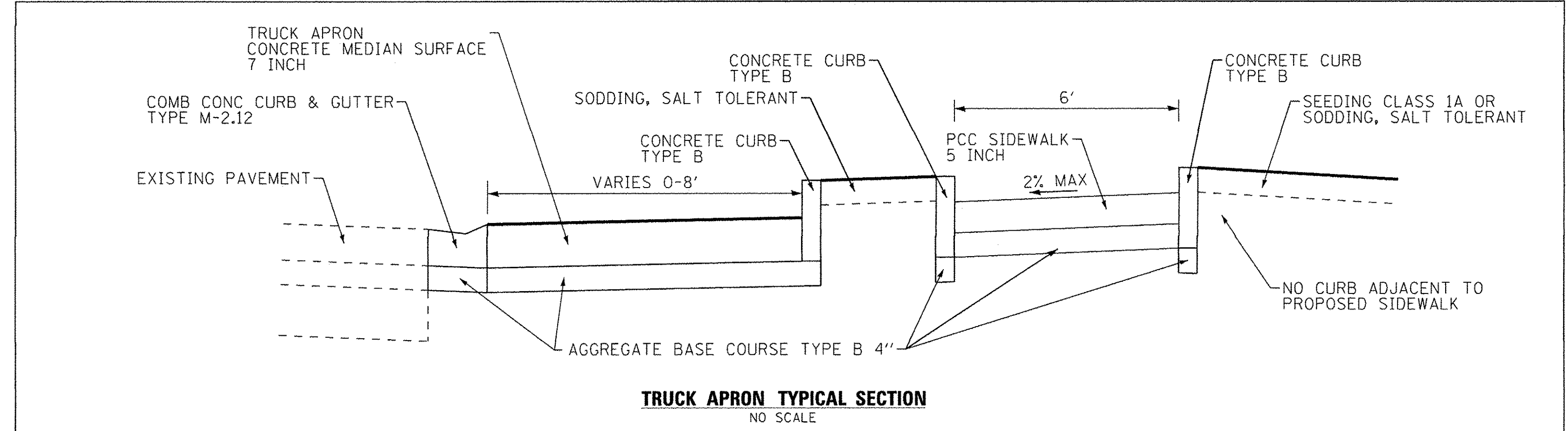
NOTE: ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS NOTED OTHERWISE.

# HAMLIN AVE



# HOWARD STREET

CONTRACTOR SHALL ADHERE TO ARTICLE 107.20 OF THE STANDARD SPECIFICATION AND PROTECT SURVEY PIN UNTIL RELOCATED



**TRUCK APRON TYPICAL SECTION**  
NO SCALE

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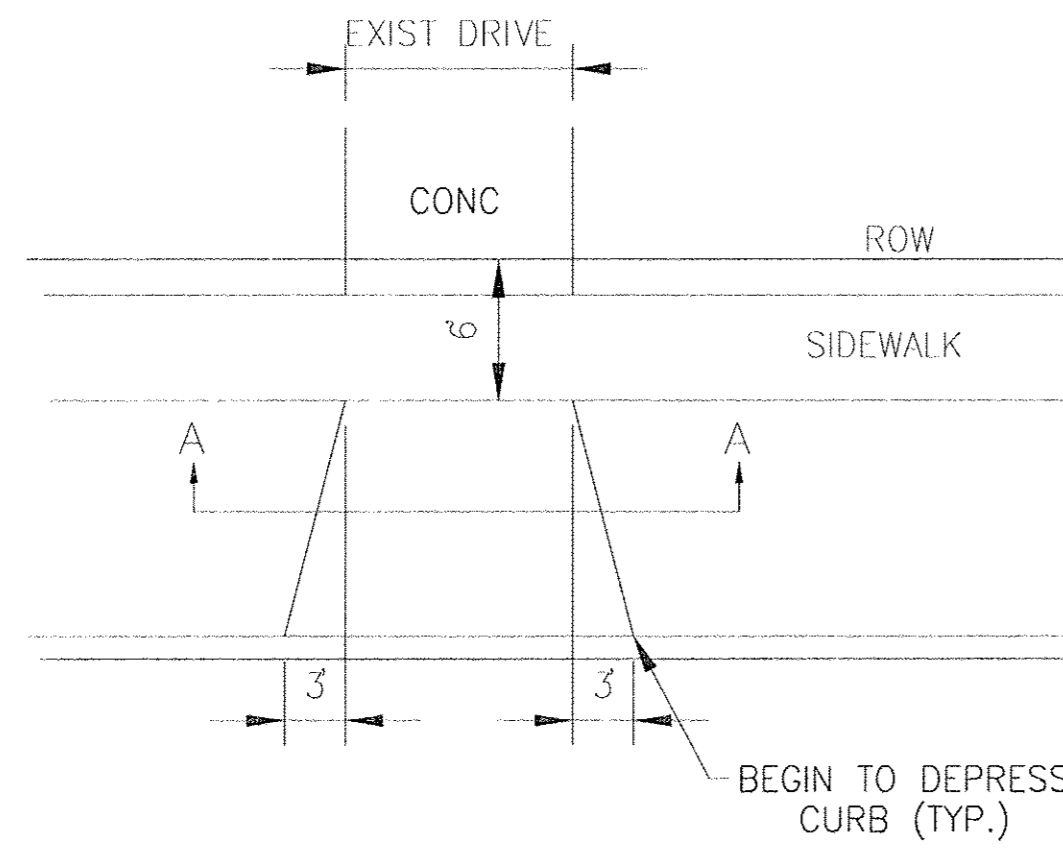
DESIGNED - JDM	REVISED -
DRAWN - CJC	REVISED -
CHECKED - DSH	REVISED -
DATE - 06-07-16	FILE - 130722SHT-PH2-IntersectionDetail.dgn

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

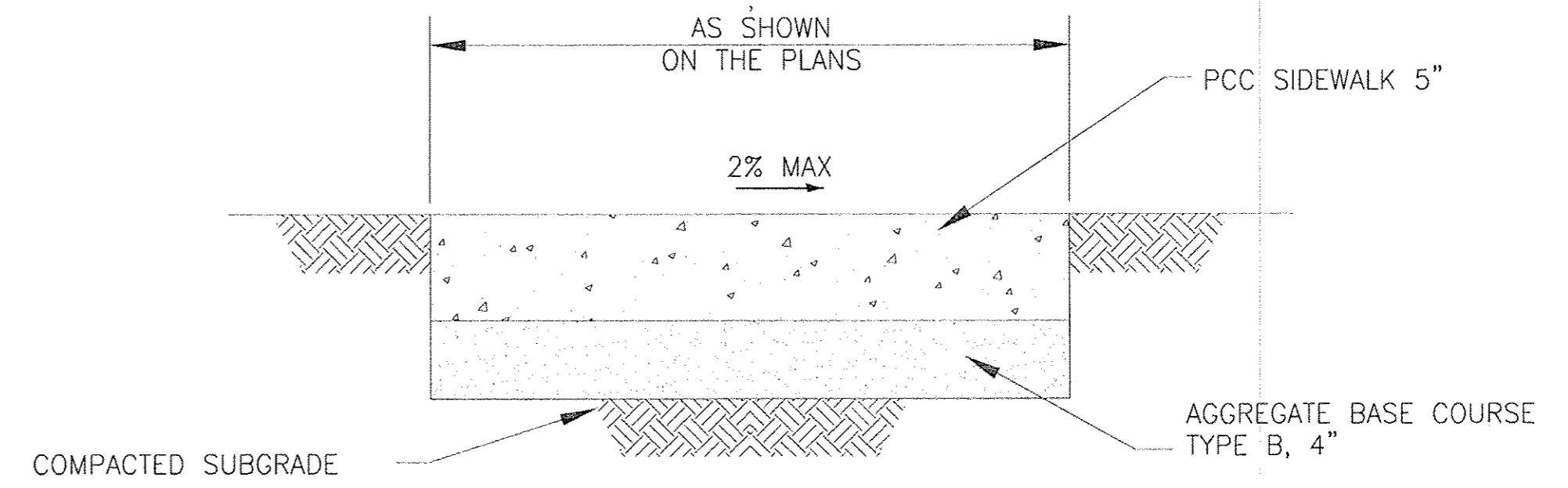
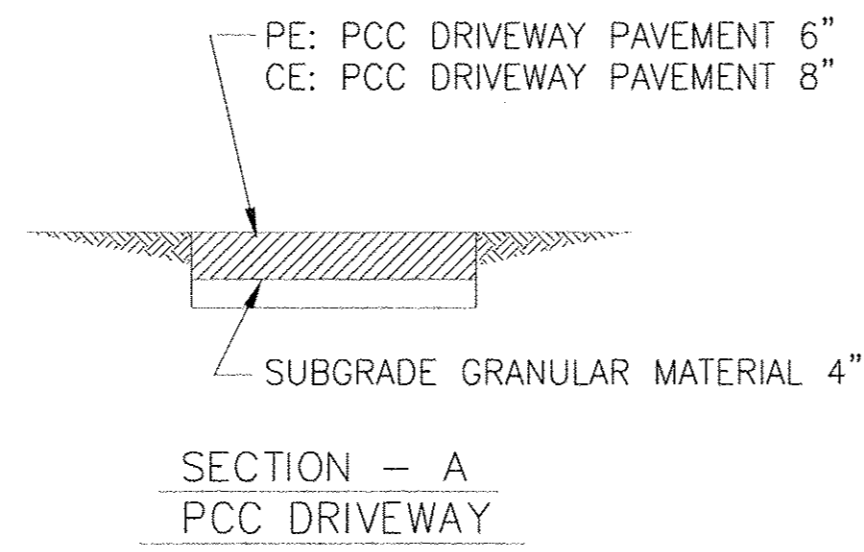
**INTERSECTION DETAIL  
HOWARD STREET AND HAMLIN AVENUE**

SCALE: 1" = 10' STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	14-00301-00-BT	COOK	53	34
CONTRACT NO. 61D09				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT TE-00D1(976)				

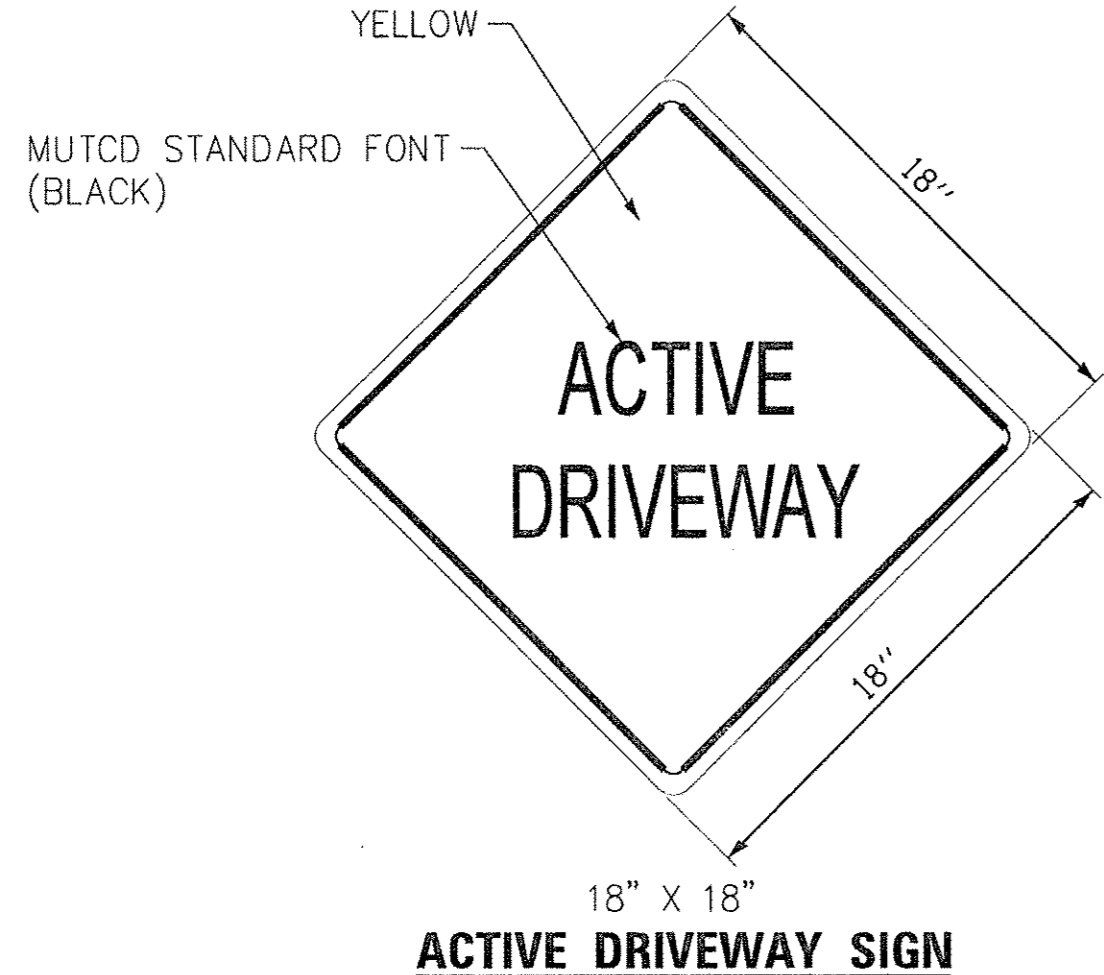


**DRIVEWAY DETAIL**  
NO SCALE

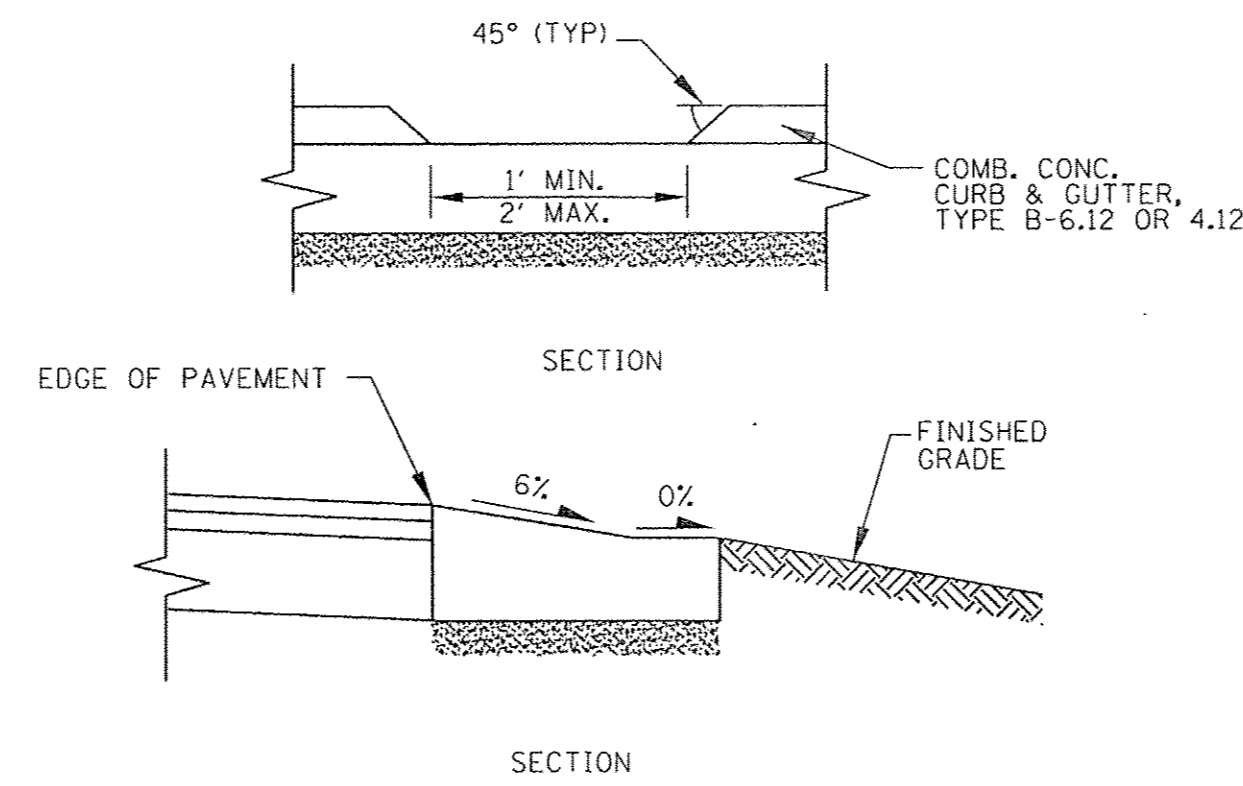


NOTE: PROVIDE FIBER 3/4" EXPANSION JOINTS WHERE NEW SIDEWALK MEETS EXISTING AND AT 50' O.C. MAX. AND PROVIDE CONTROL JOINTS AT 5' O.C.

**PORTLAND CEMENT CONCRETE (P.C.C.) SIDEWALK, 5-INCH**  
NO SCALE

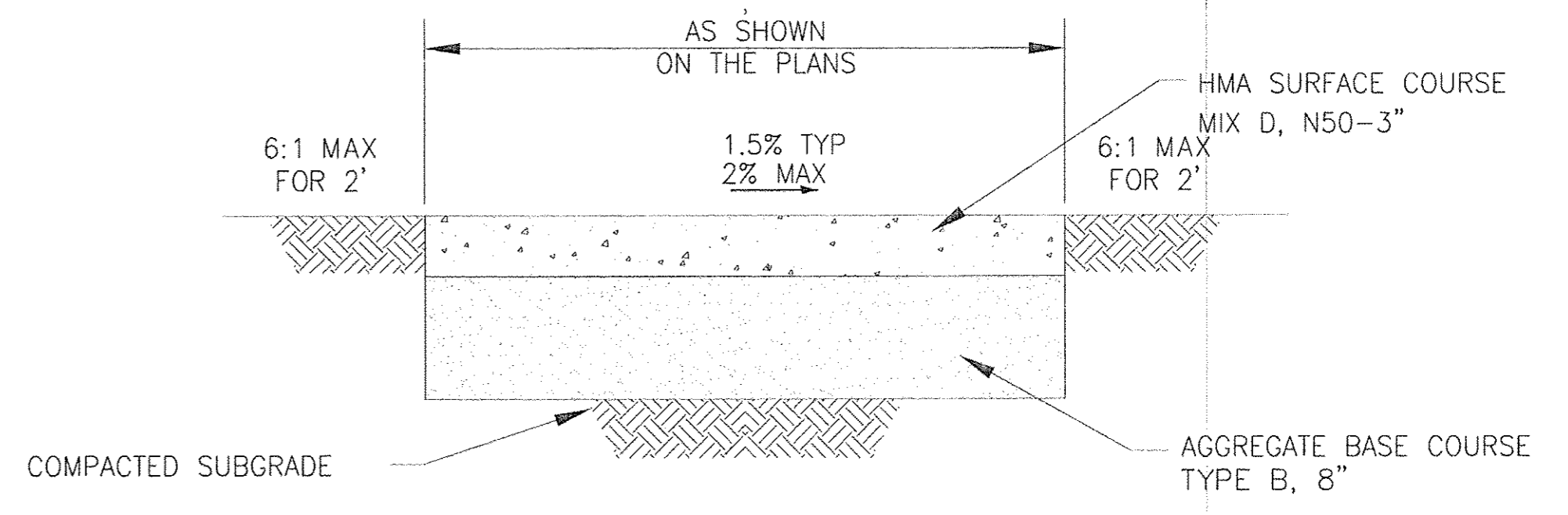


**ACTIVE DRIVEWAY SIGN**



NOTE: CURB CUTS INCLUDED IN COST OF COMB. CONC. CURB AND GUTTER.

**CURB CUT DETAIL**  
NOT TO SCALE



**HMA BIKE PATH**  
NO SCALE

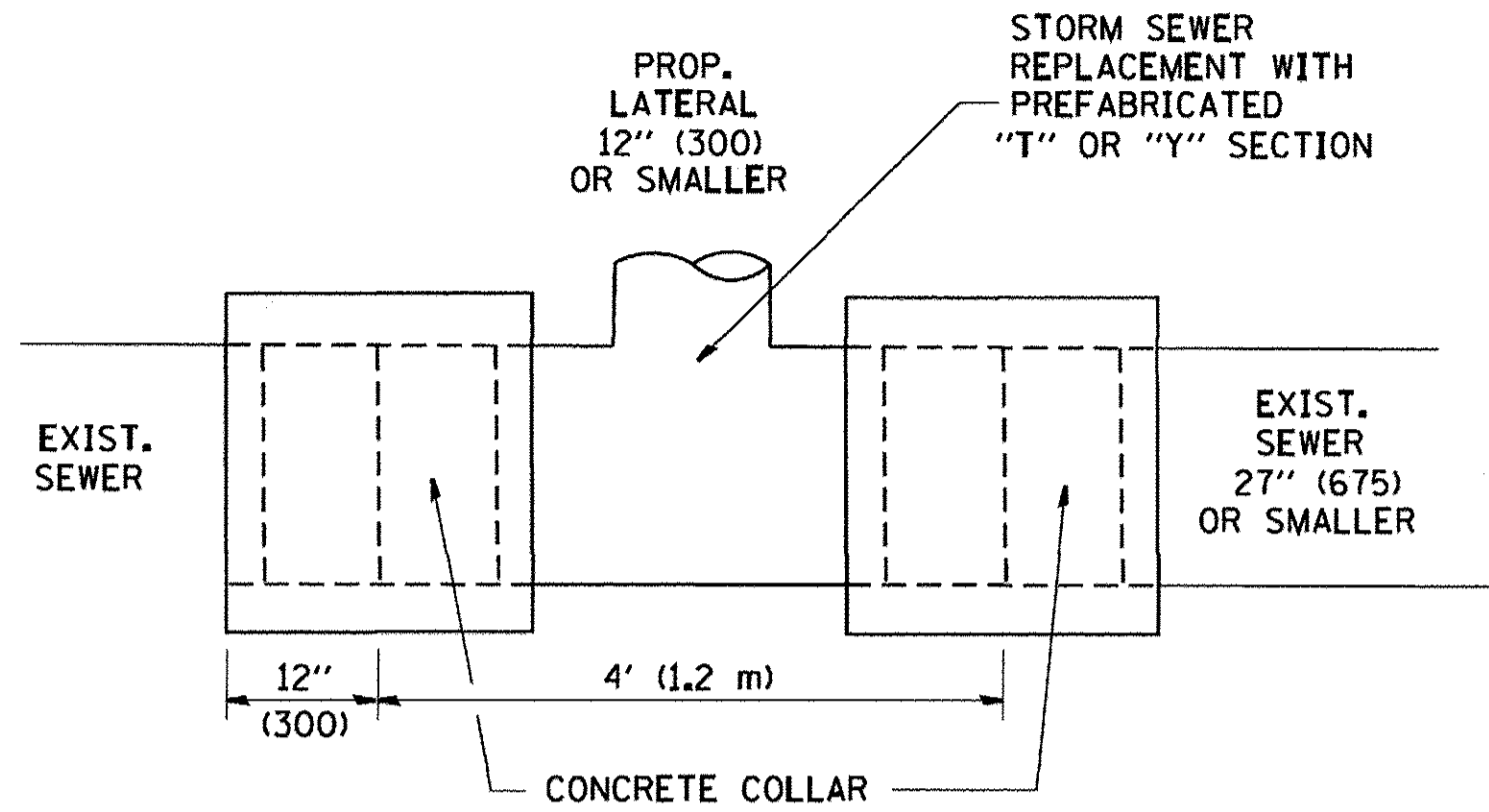
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 PROJECT: 130722SHT\_PH2-MiscDetails.dgn  
 DRAWING: 130722SHT\_PH2-MiscDetails.dgn  
 DATE: 06-07-16

<b>BAXTER &amp; WOODMAN</b> Consulting Engineers	DESIGNED - JDM	REVISED -
	DRAWN - CJC	REVISED -
	CHECKED - DSH	REVISED -
	DATE - 06-07-16	FILE - 130722SHT_PH2-MiscDetails.dgn

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

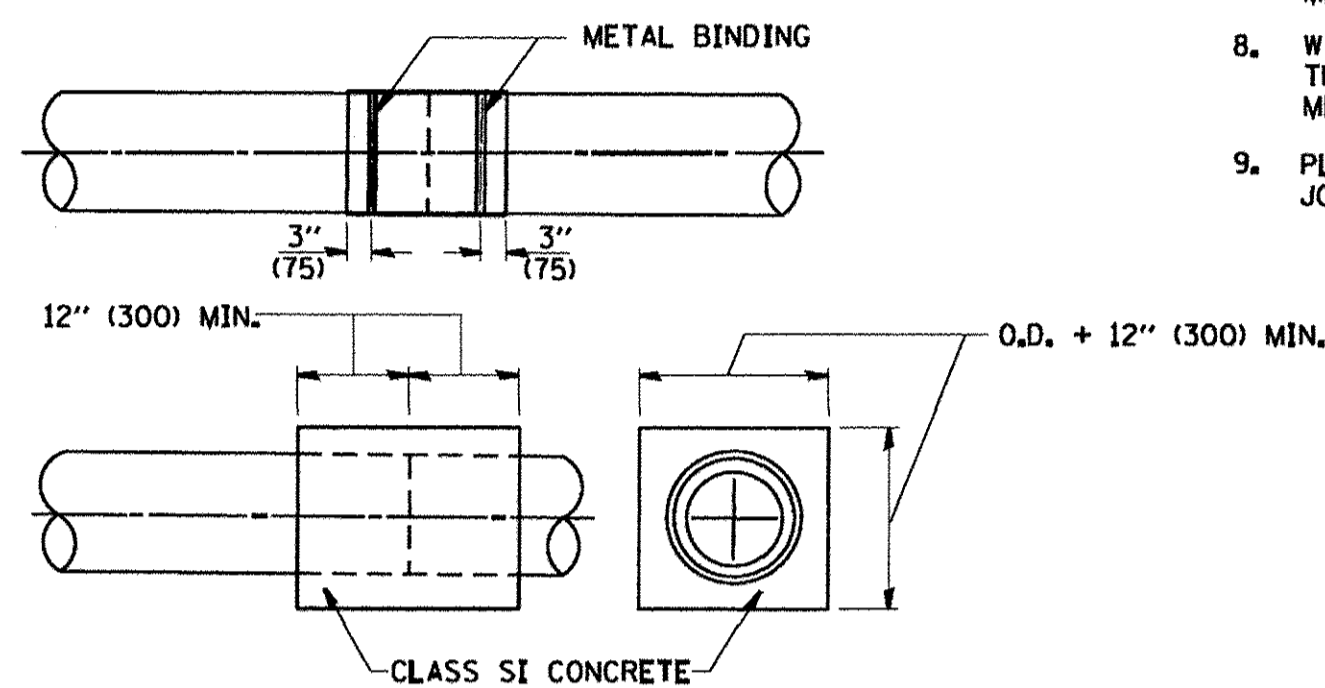
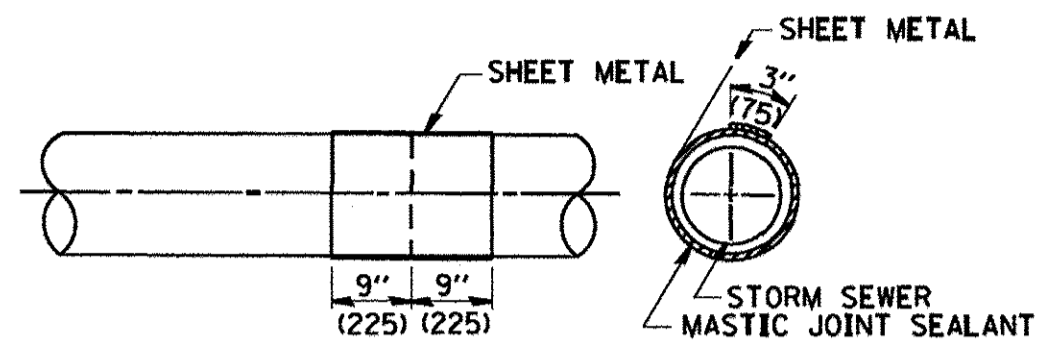
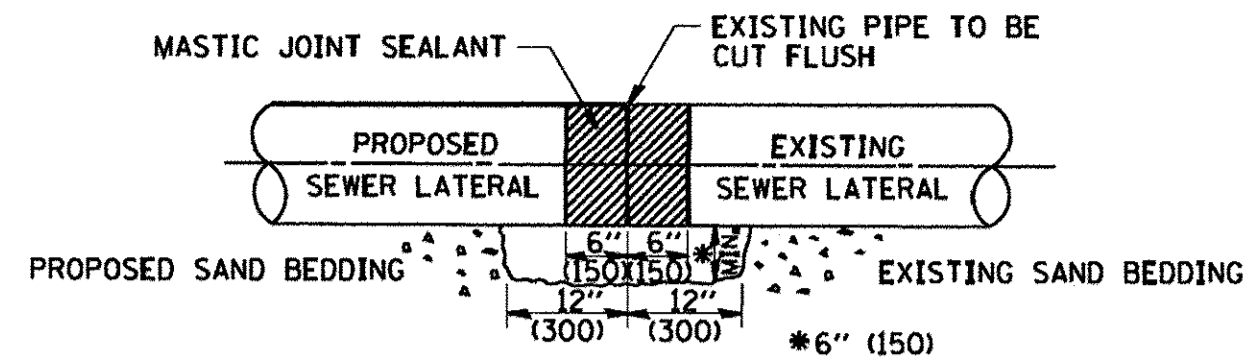
<b>MISCELLANEOUS DETAILS</b>	
SCALE:	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	14-00301-00-BT	COOK	53	35
CONTRACT NO. 61009				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT TE-00D19761				



**DETAIL "A"**

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

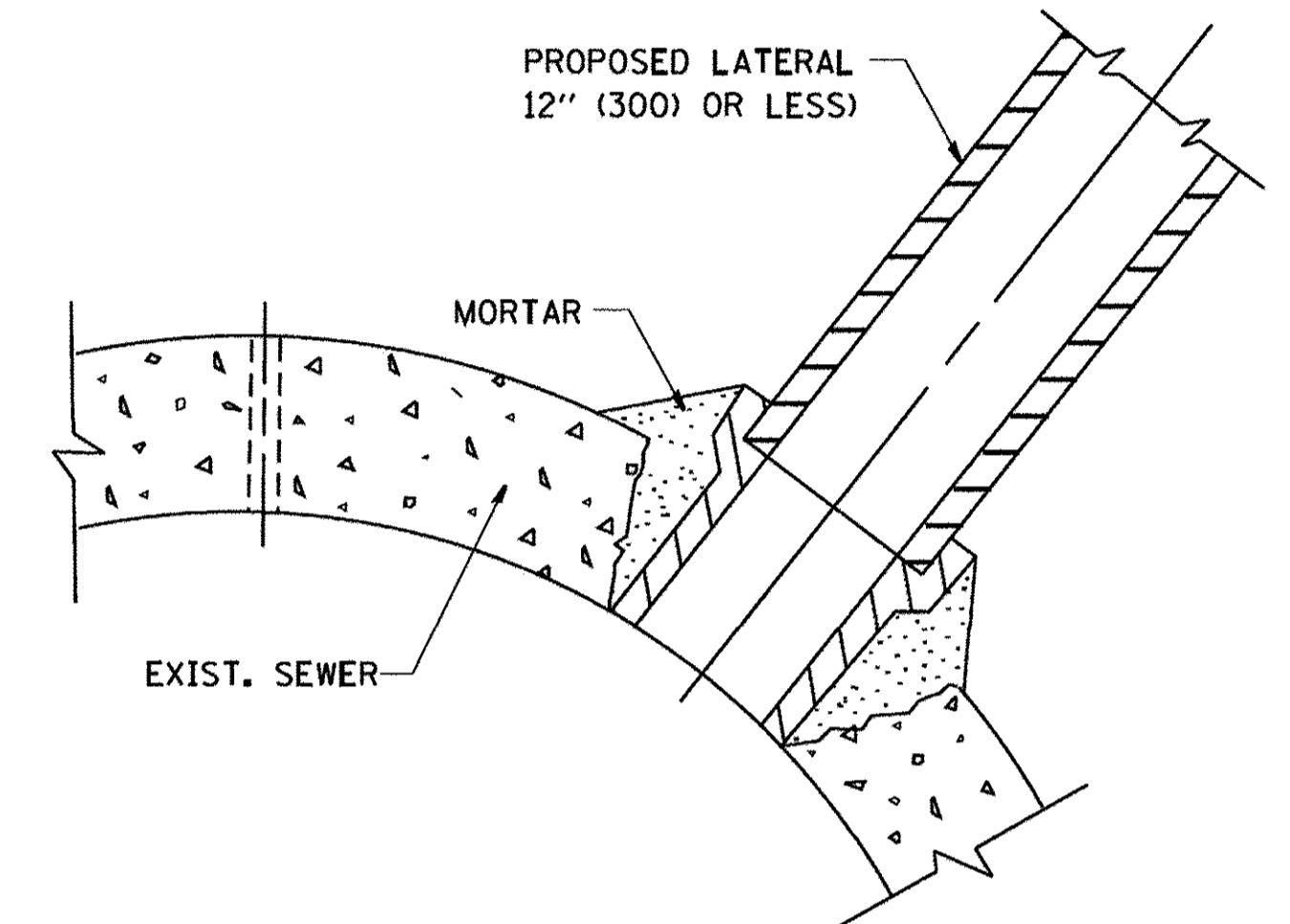


**DETAIL "B"**

CLASS SI CONCRETE COLLAR

**CONSTRUCTION SEQUENCE**

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



**DETAIL "C"**

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

**NOTES**

**MATERIAL**

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

**CONSTRUCTION METHODS**

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

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

**GENERAL**

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER, ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED, THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

**BASIS OF PAYMENT**

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

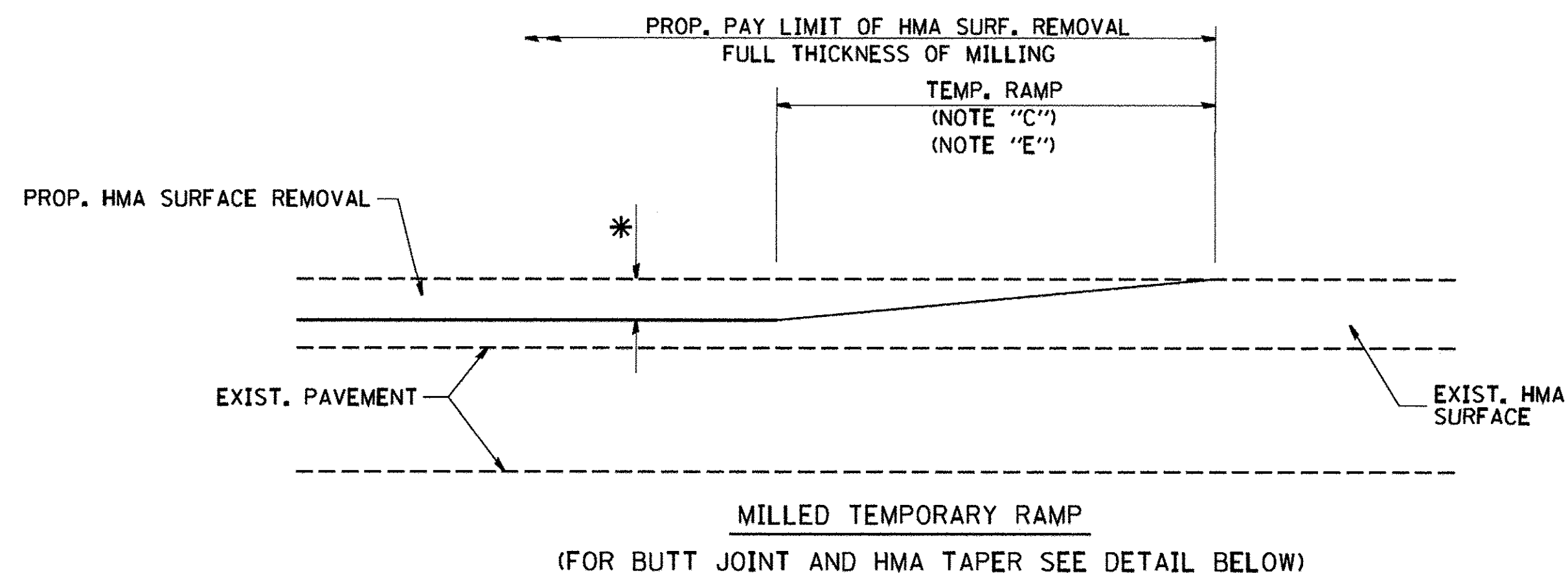
TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

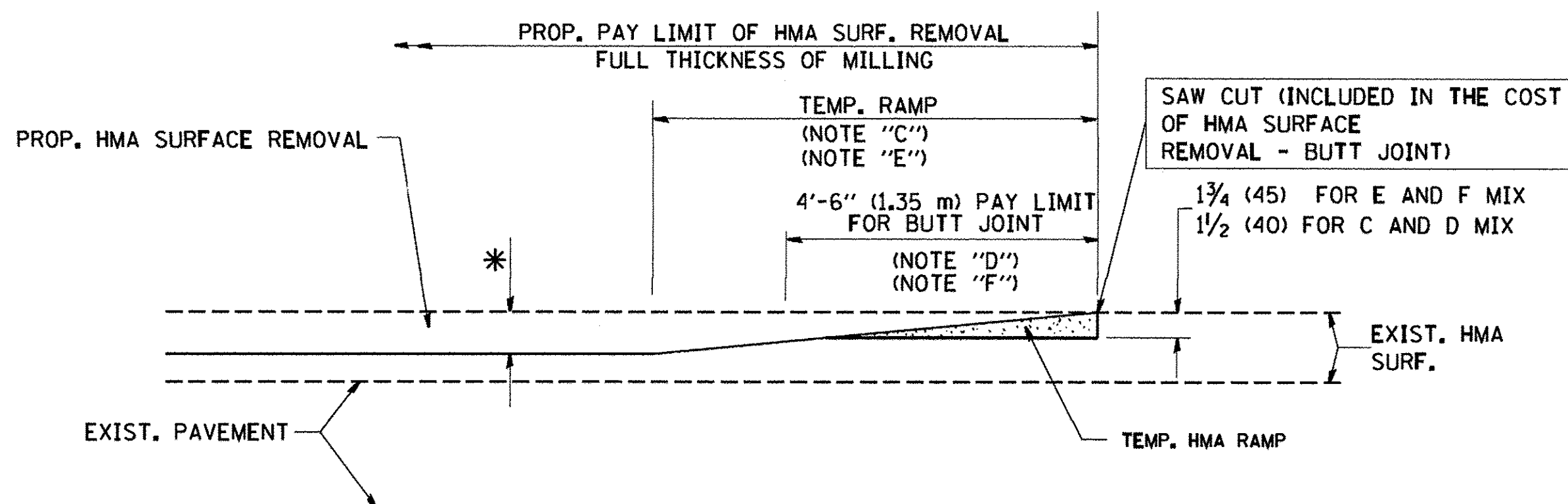
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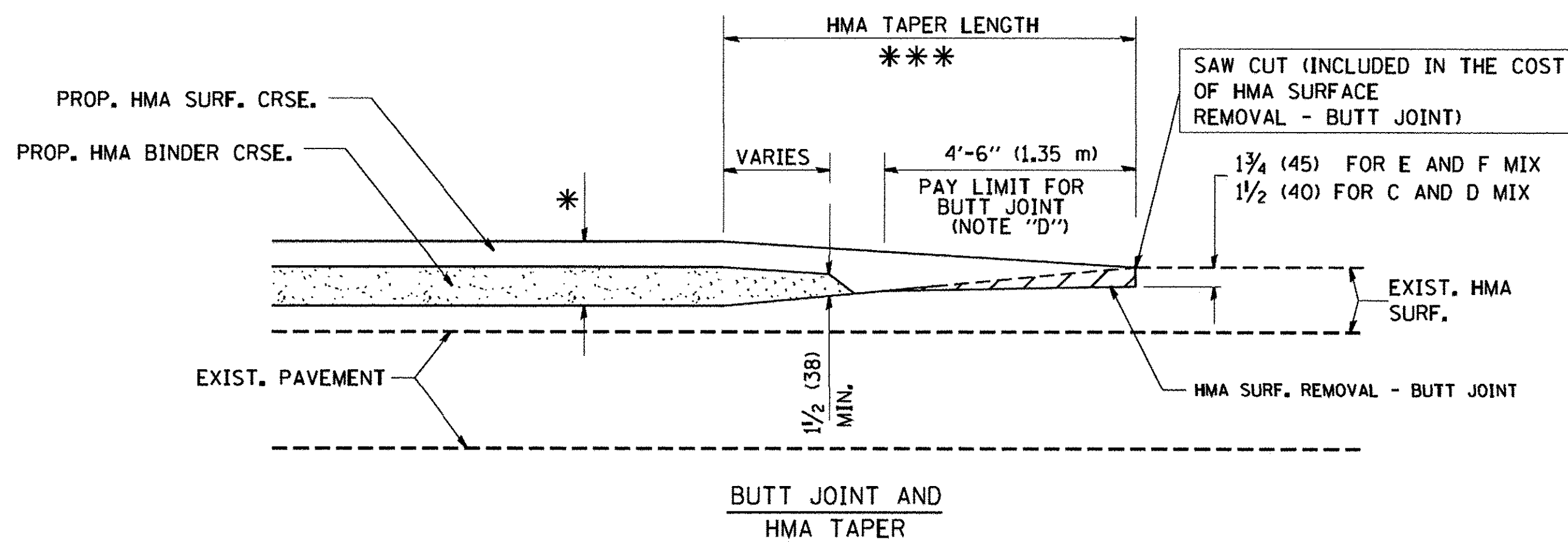
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	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - R. SHAH 09-09-94			<b>BD500-01 (BD-7)</b>		CONTRACT NO. 61009					
	PLOT DATE = 1/4/2008	DATE - 07-25-90	REVISED - R. SHAH 10-25-94			SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.		FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECTE=0001(976)	
			REVISED - R. SHAH 06-12-96			SHEET NO. 1 OF 1 SHEETS		STA.		TO STA.		FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECTE=0001(976)	



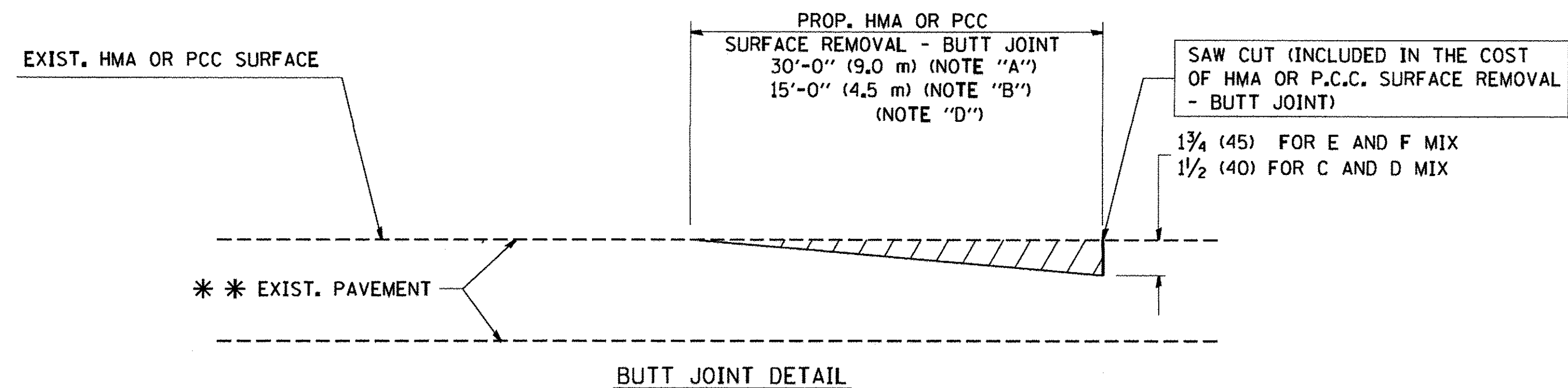
**OPTION 1**



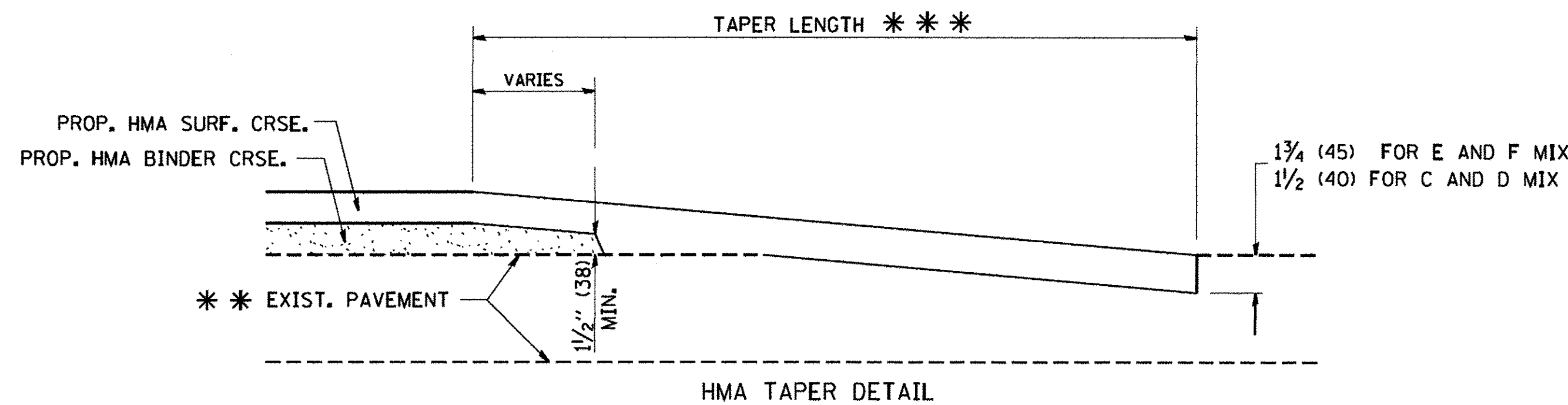
**OPTION 2**  
**TYPICAL TEMPORARY RAMP**



**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**



**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
  - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- \* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- \*\*\* 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.

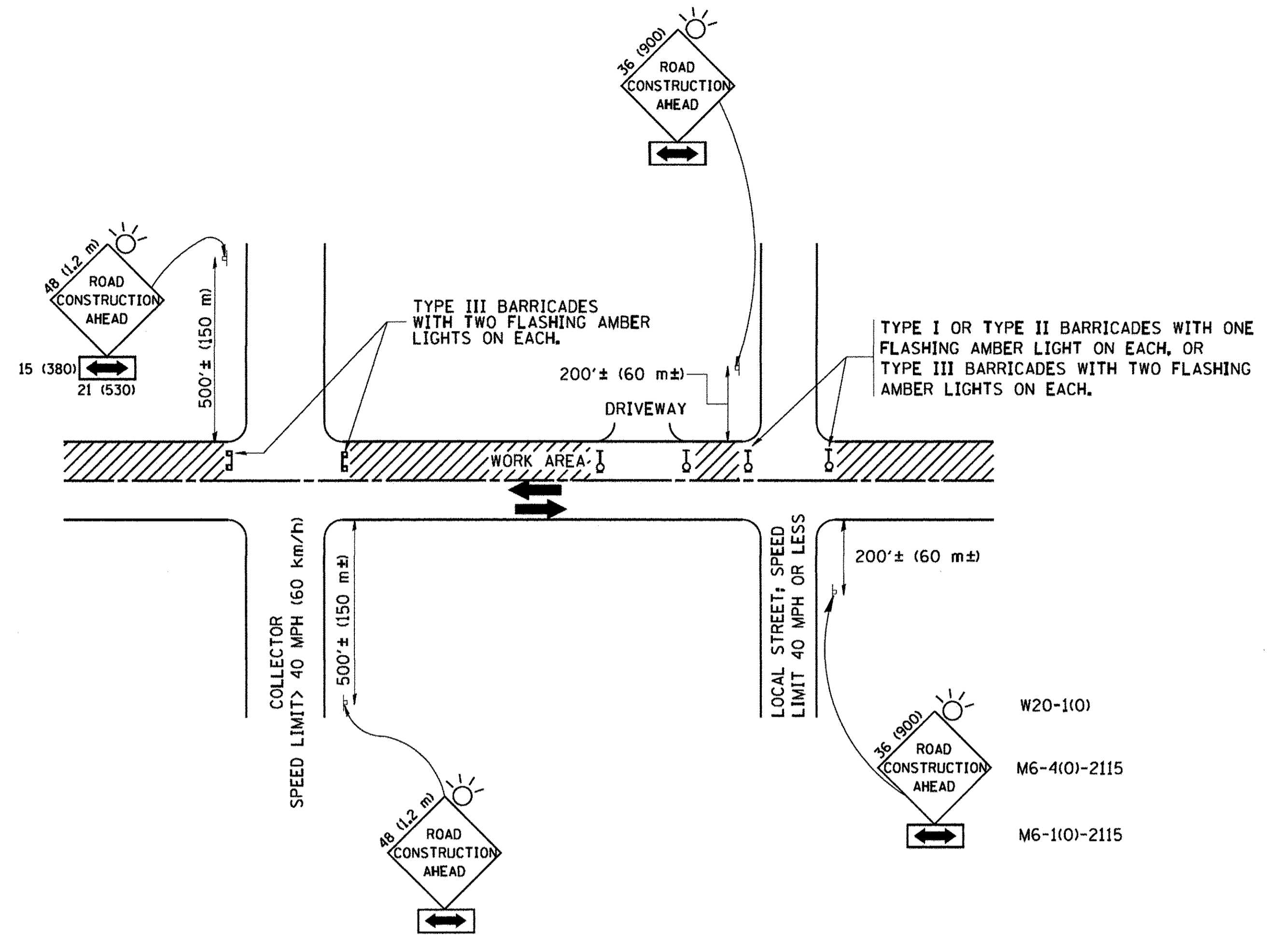
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 DRAWN - A. ABBAS 03-21-97  
 PLOT SCALE = 50.0000' / IN.  
 CHECKED - M. GOMEZ 04-06-01  
 PLOT DATE = 1/4/2008  
 DATE - 06-13-90  
 REVISED - R. SHAH 10-25-94  
 REVISED - A. ABBAS 03-21-97  
 REVISED - M. GOMEZ 04-06-01  
 REVISED - R. BORO 01-01-07

FILE NAME =	USER NAME = geglienobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
W:\diststd\22x34\bd32.dgn		DRAWN - A. ABBAS 03-21-97	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000' / IN.	CHECKED - M. GOMEZ 04-06-01	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BUTT JOINT AND HMA TAPER DETAILS</b>	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	14-00301-00-BT	COOK	53	37
<b>BD400-05 BD32</b>		<b>CONTRACT NO. 61009</b>		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECTE-00DI(976)				



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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
  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 AND FLAG 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. 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).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
 

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

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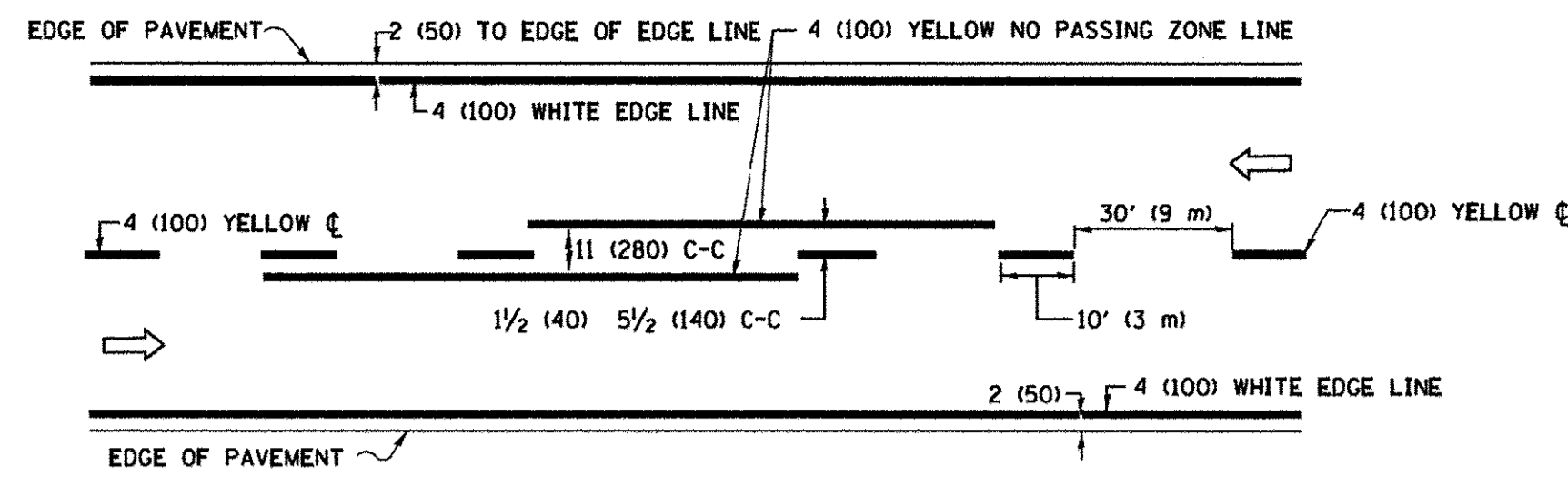
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

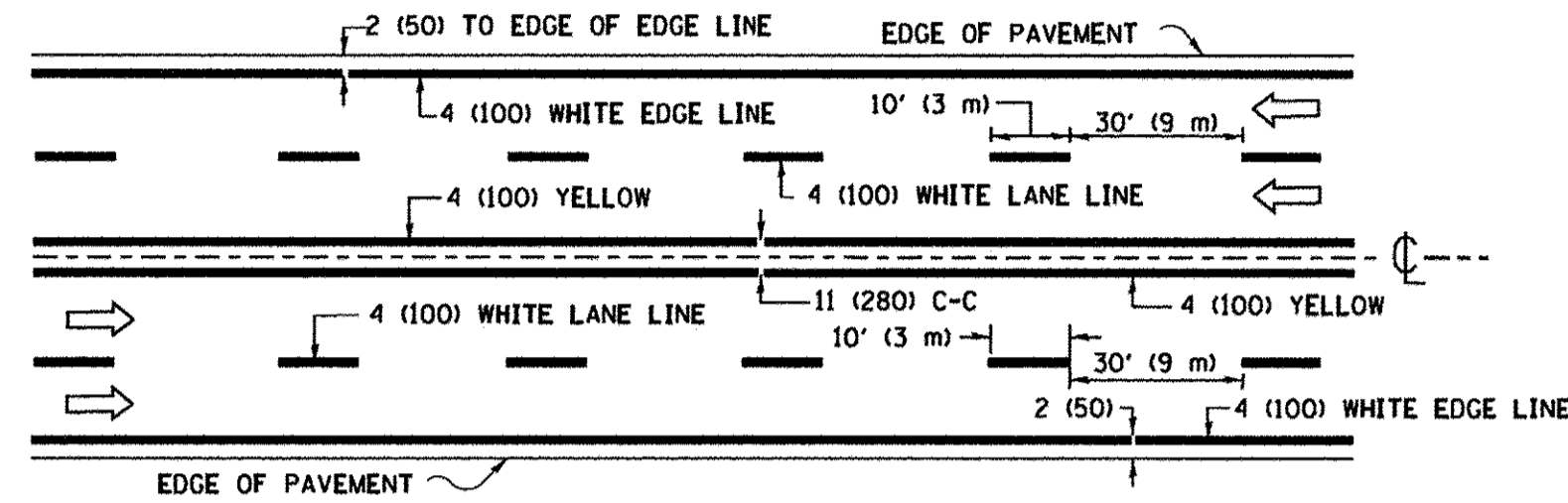
TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

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

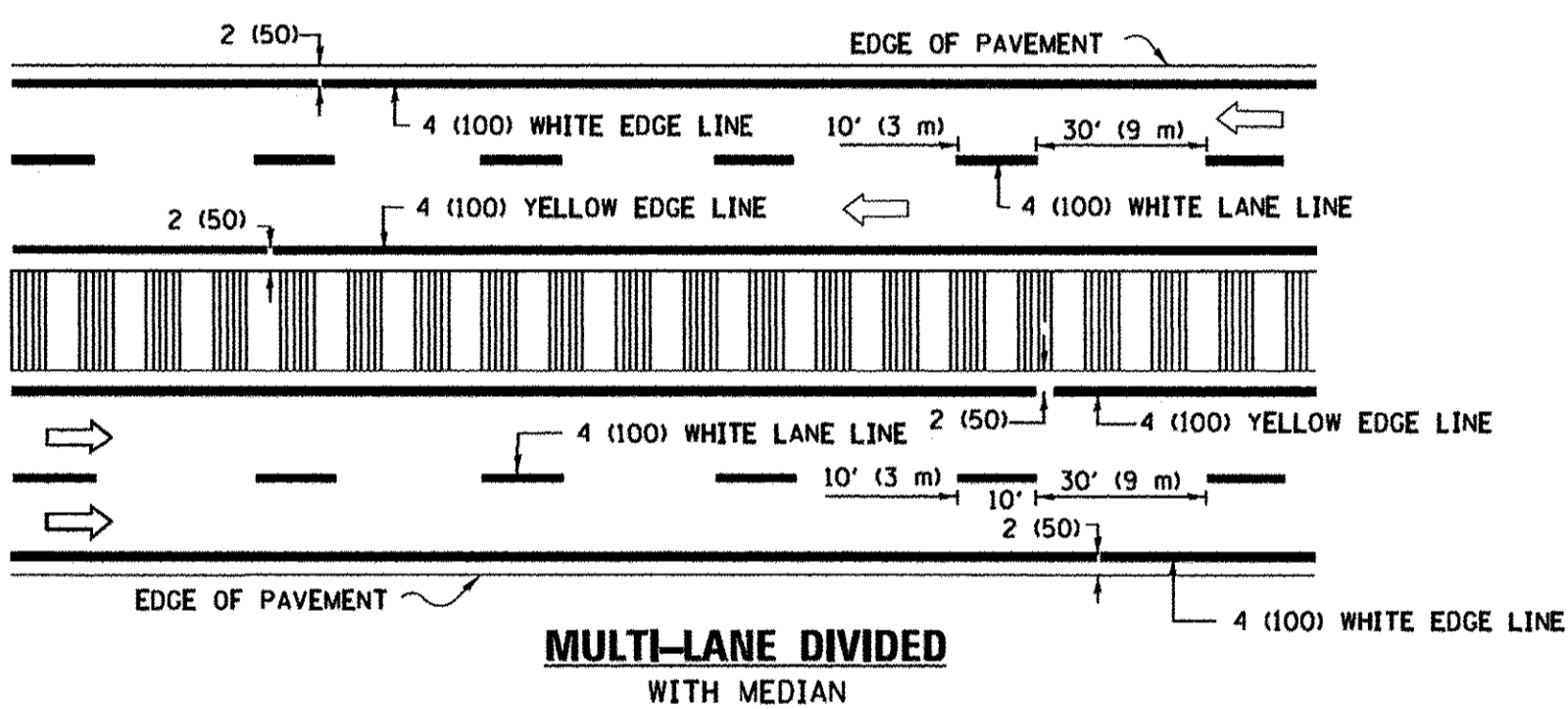
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	14-00301-00-BT	COOK	53	38
TC-10			CONTRACT NO. 61009	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECTE-0001(976)				



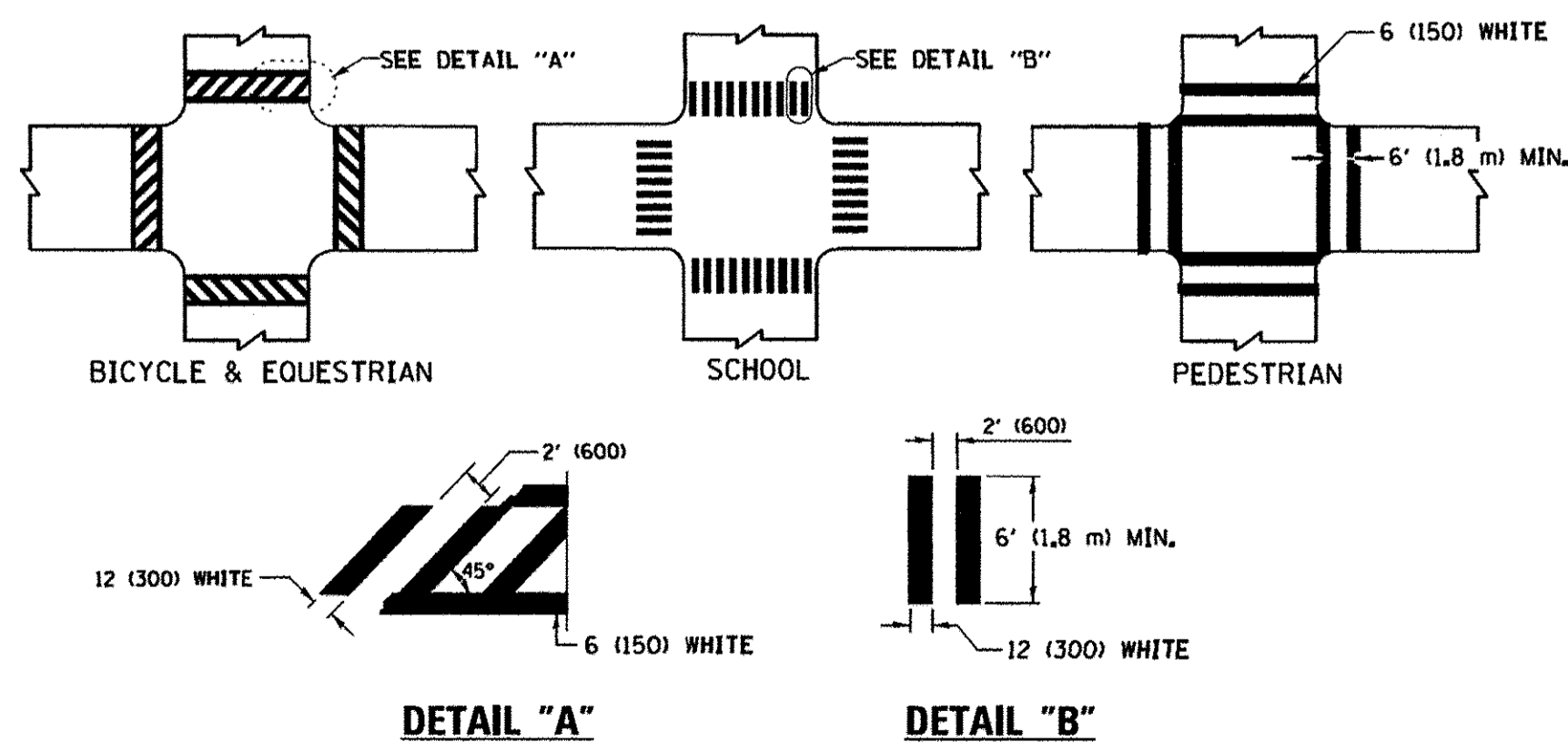
**2-LANE ROADWAY**



**MULTI-LANE UNDIVIDED**

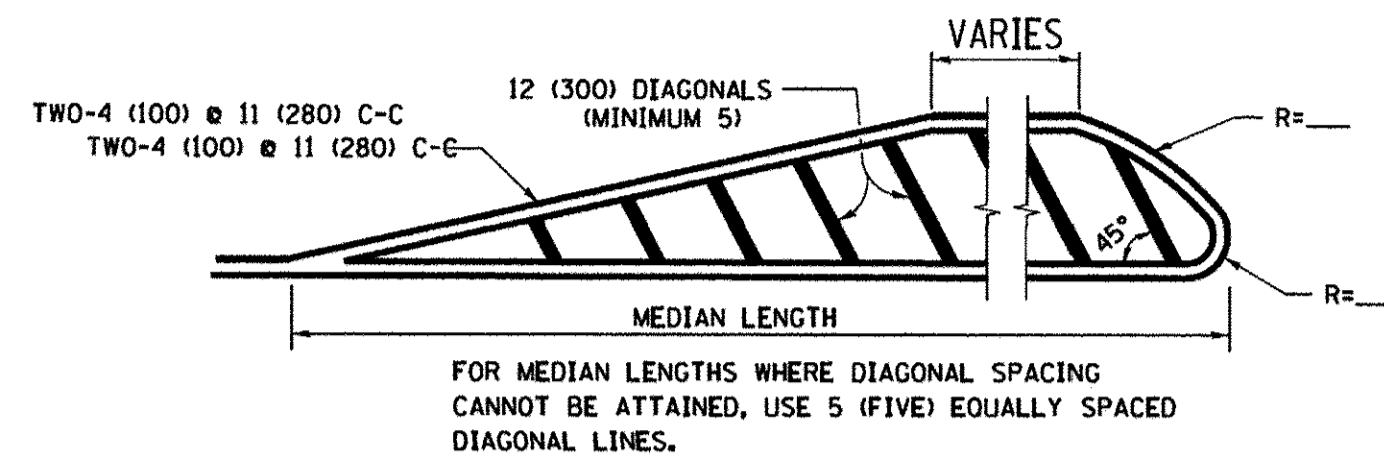
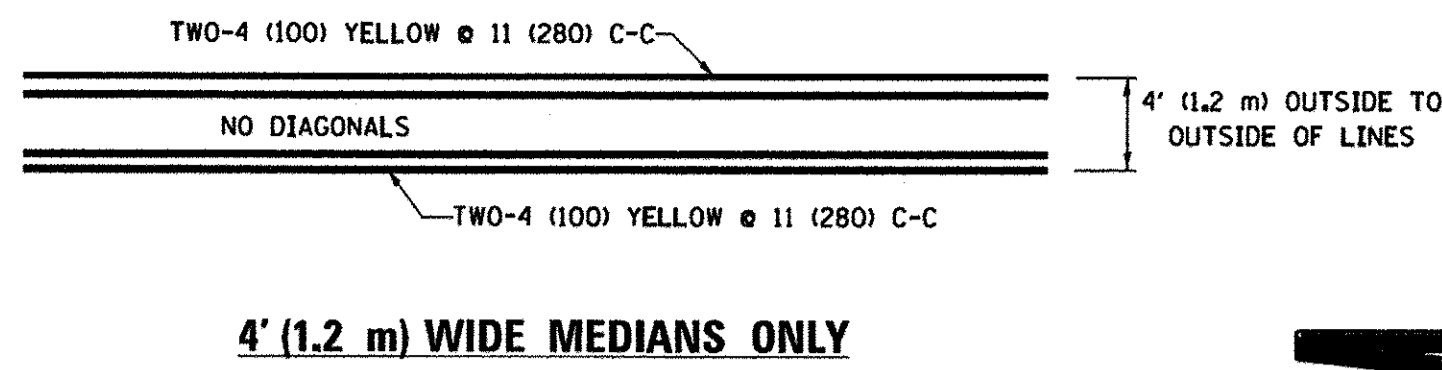


**TYPICAL LANE AND EDGE LINE MARKING**

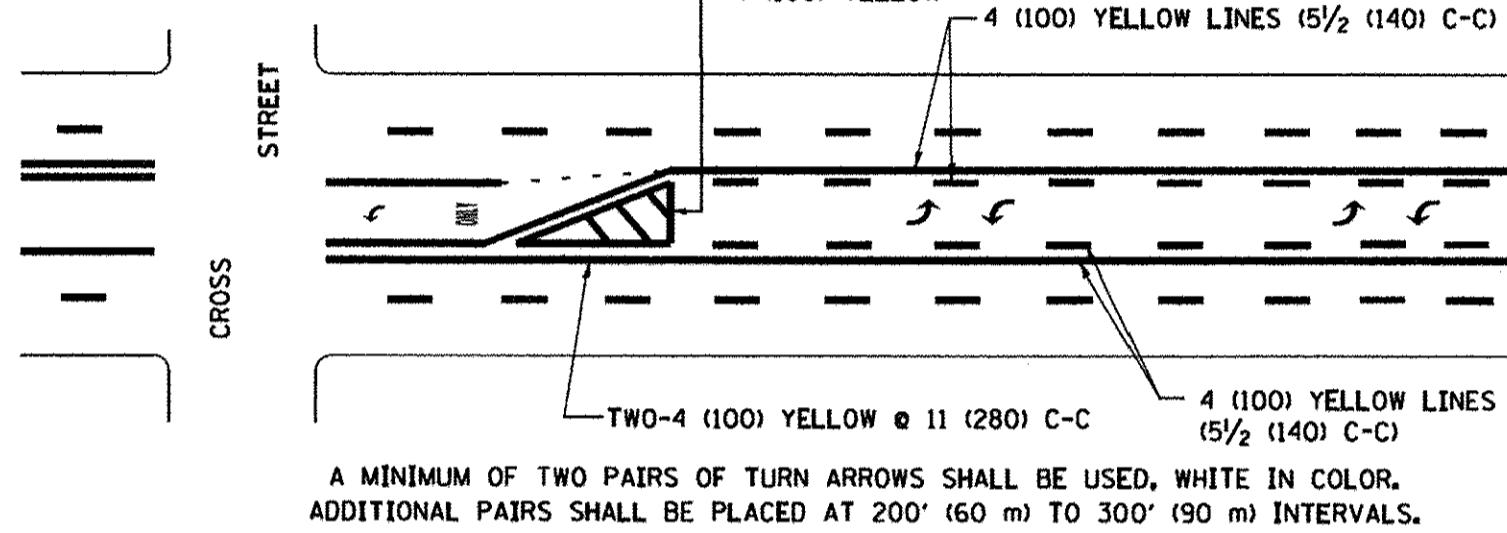


**TYPICAL CROSSWALK MARKING**

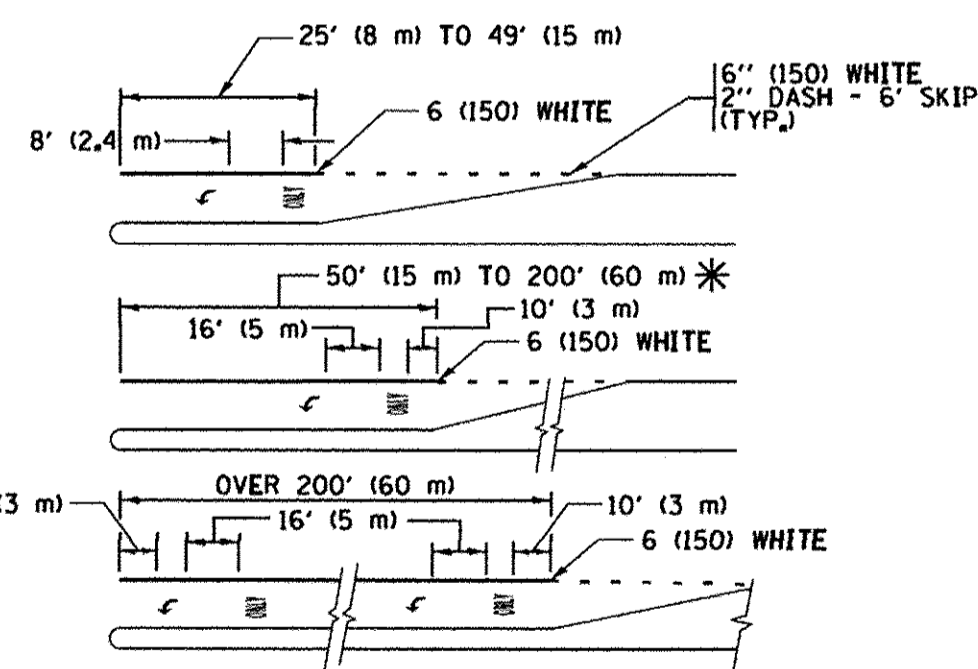
\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



**MEDIANS OVER 4' (1.2 m) WIDE**



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

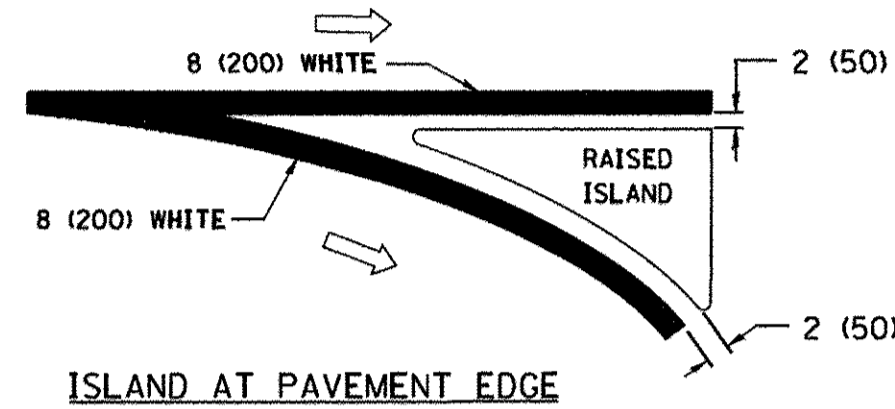
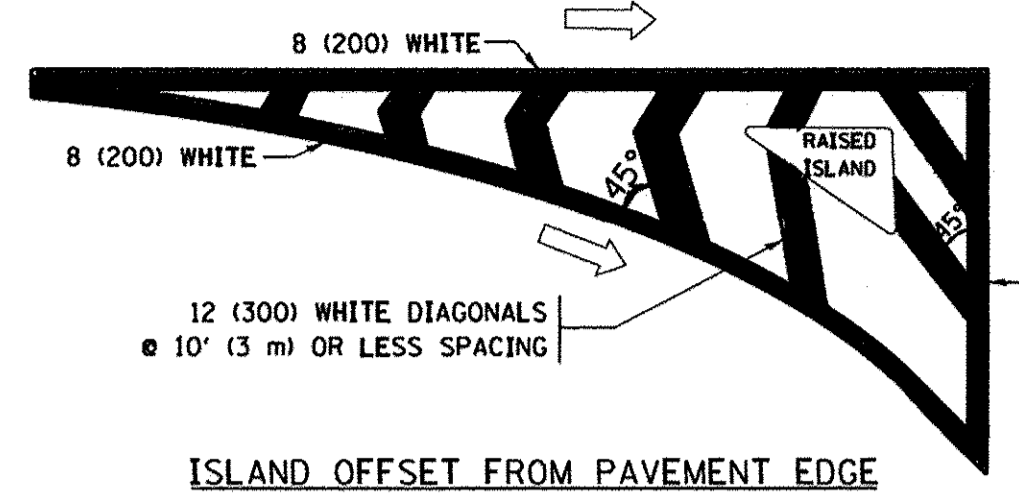


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

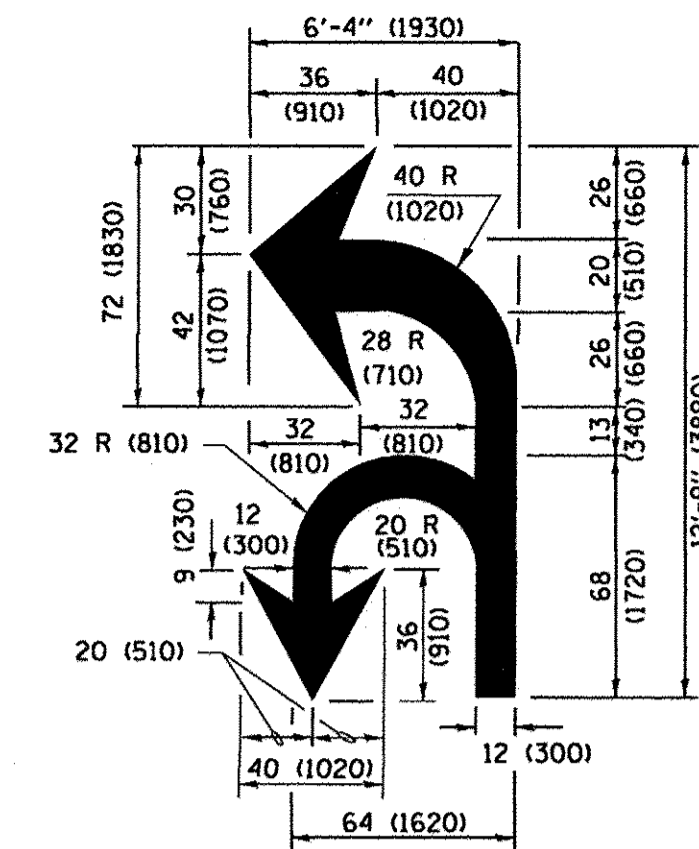
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

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

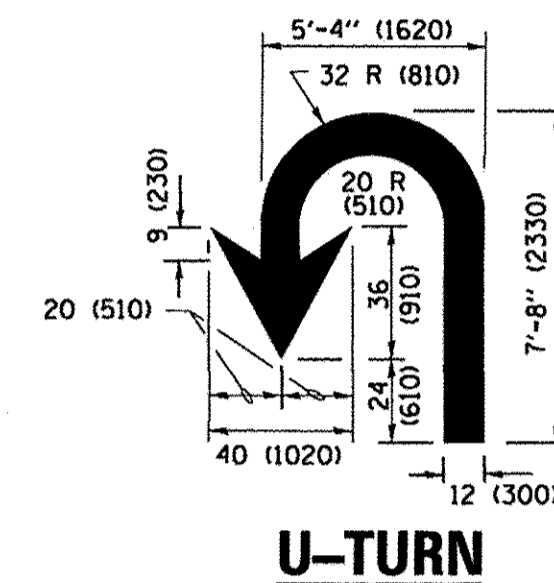
**TYPICAL TURN LANE MARKING**



**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**LANE REDUCTION TRANSITION**

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 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.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (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) "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
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.

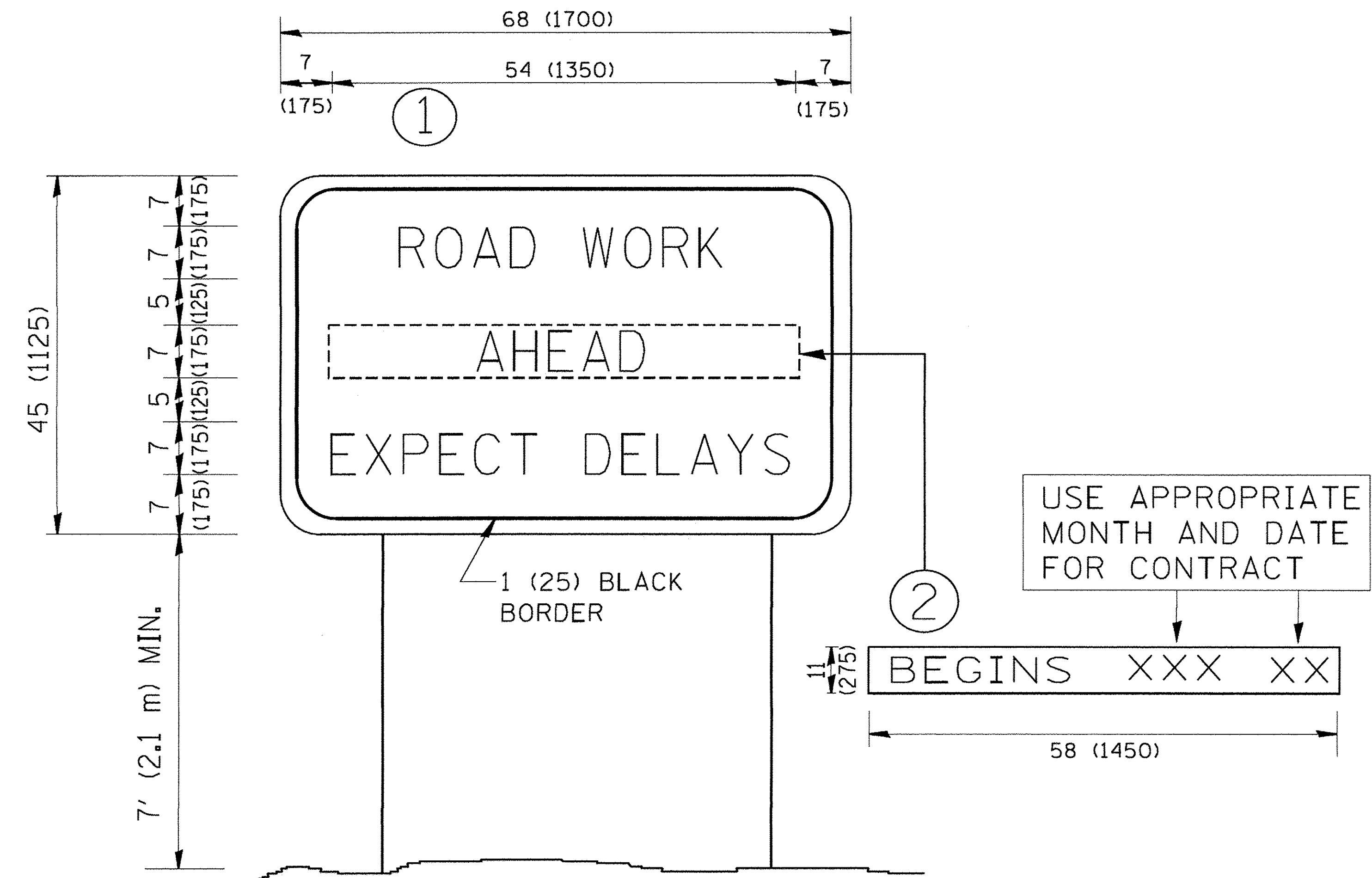
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 CHECKED BY: J. BAXTER  
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 DESIGNED - EVERS  
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 01 - C. JUCIUS 09-09-09  
 02 - C. JUCIUS 07-01-13  
 03 - C. JUCIUS 12-21-15  
 04 - C. JUCIUS 04-12-16  
 PLOT SCALE = 50.000 / 1 in.  
 PLOT DATE = 4/13/2016  
 DISTRICT ONE  
 SECTION 14-00301-00-BT  
 COUNTY COOK  
 TOTAL SHEETS 53  
 SHEET NO. 39  
 CONTRACT NO. 61009  
 ILLINOIS FED. AID PROJECT # 00D1(976)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS

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



**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.

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 LICENSE NO. 184-001212 EXPIRES 4/30/2017  
 6/17/2016

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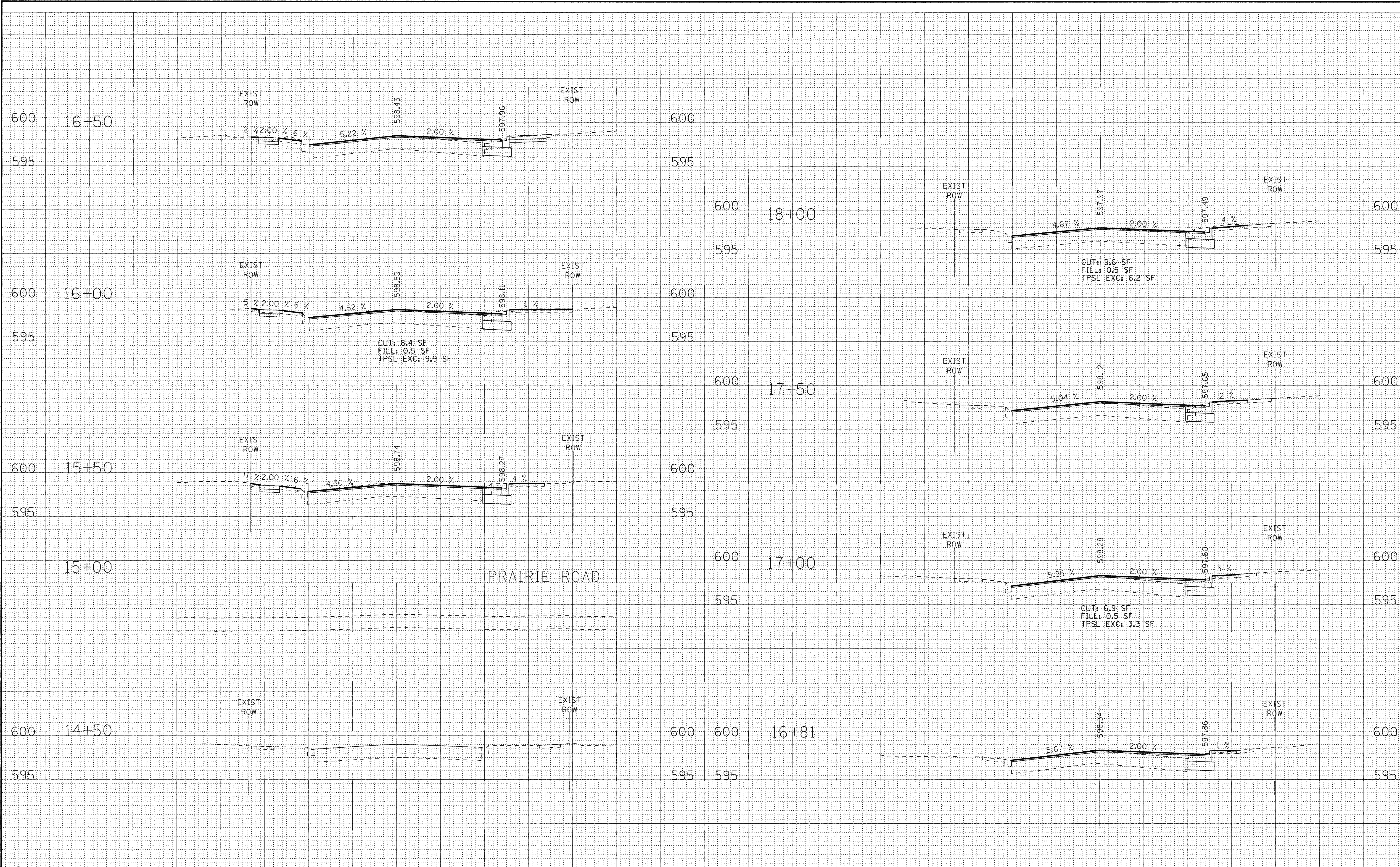
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ARTERIAL ROAD INFORMATION SIGN</b>	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	14-00301-00-BT	COOK	53	40
<b>TC-22</b>			<b>CONTRACT NO. 61D09</b>	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-00D(1976)				



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 9500101  
 03/22/2016



PRAIRIE ROAD



DESIGNED - JDM	REVISED -
DRAWN - MAC	REVISED -
CHECKED - DSH	REVISED -
DATE - 04-22-16	REVISED -

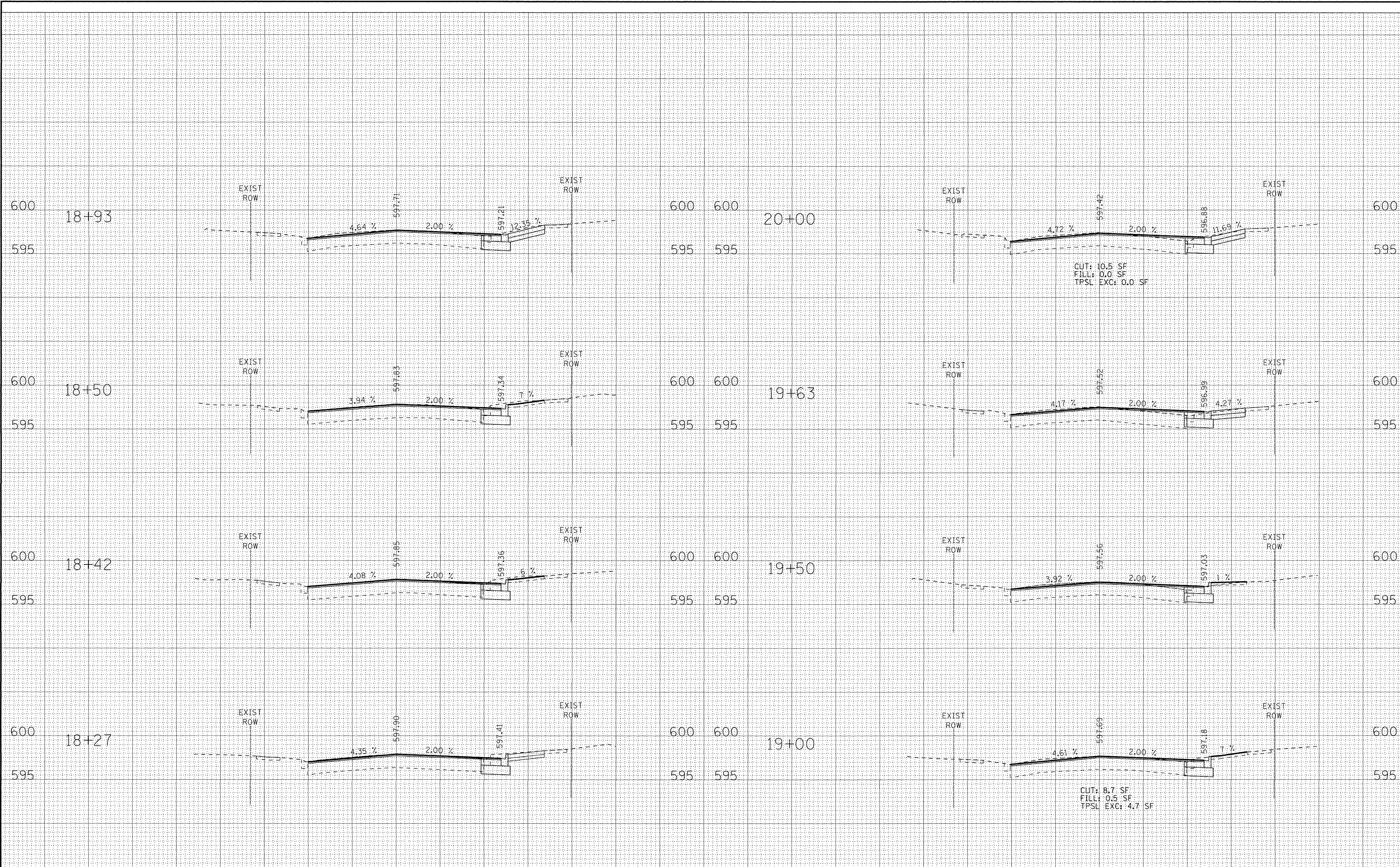
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**CROSS SECTIONS  
HOWARD STREET**

SCALE: H: 1"=10' V: 1"=5'  
STA. 14+50 TO STA. 18+00

F.A. 11 RT. 1334	SECTION 14-00301-00-BT	COUNTY COOK	TOTAL SHEETS 53	SHEET NO. 41
CONTRACT NO. 61009			FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT   TE-0001 (976)	

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DRAWN - MAC	REVISED -
CHECKED - DSH	REVISED -
DATE 04-22-16	REVISED -

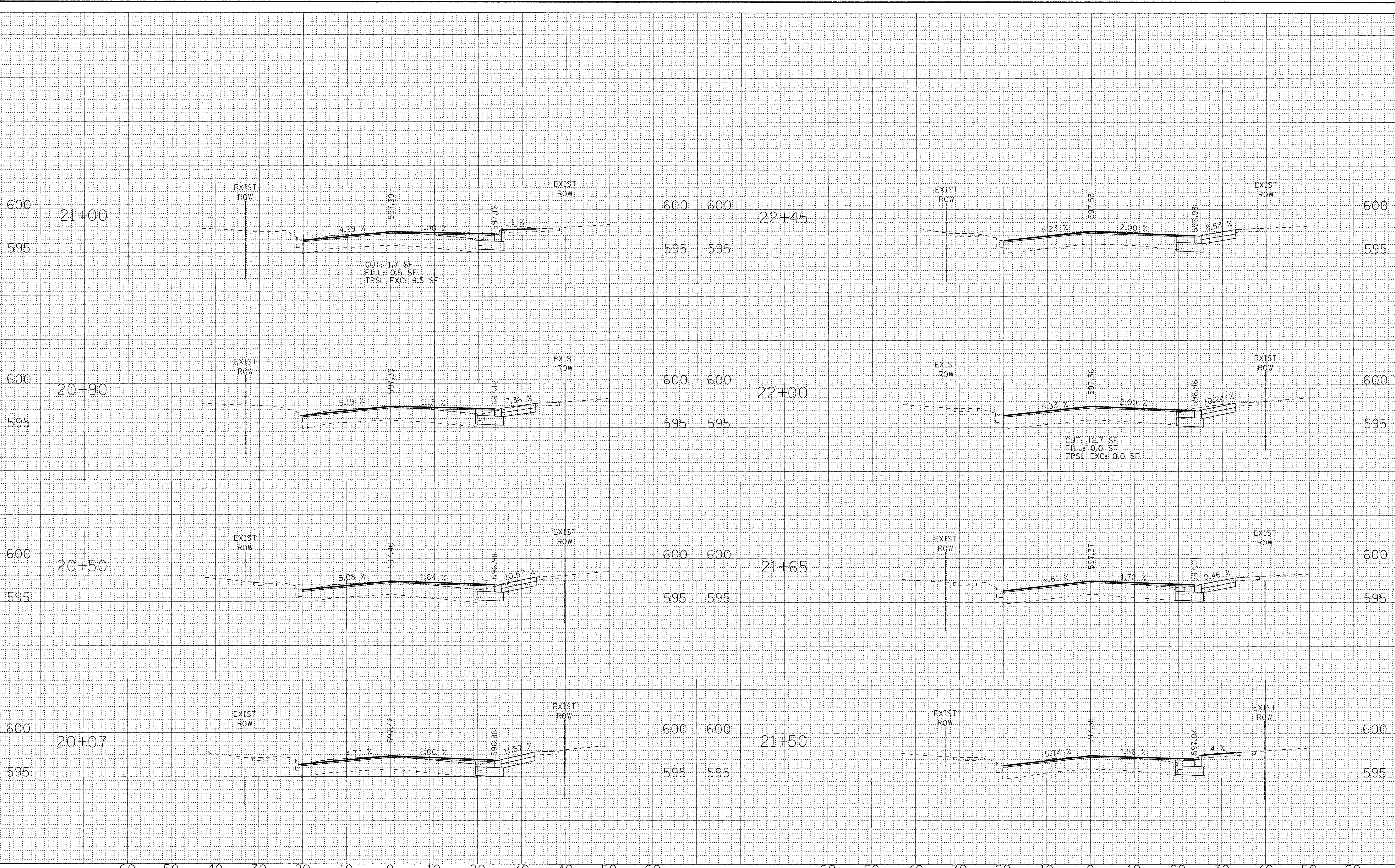
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
**HOWARD STREET**

SCALE: H: 1"=10' V: 1"=5'      STA. 18+27      TO STA. 20+00

F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	14-00301-00-BT	COOK	53	42
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61009	
			TE-0001 (976)	

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DESIGNED - JDM	REVISED -
DRAWN - MAC	REVISED -
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

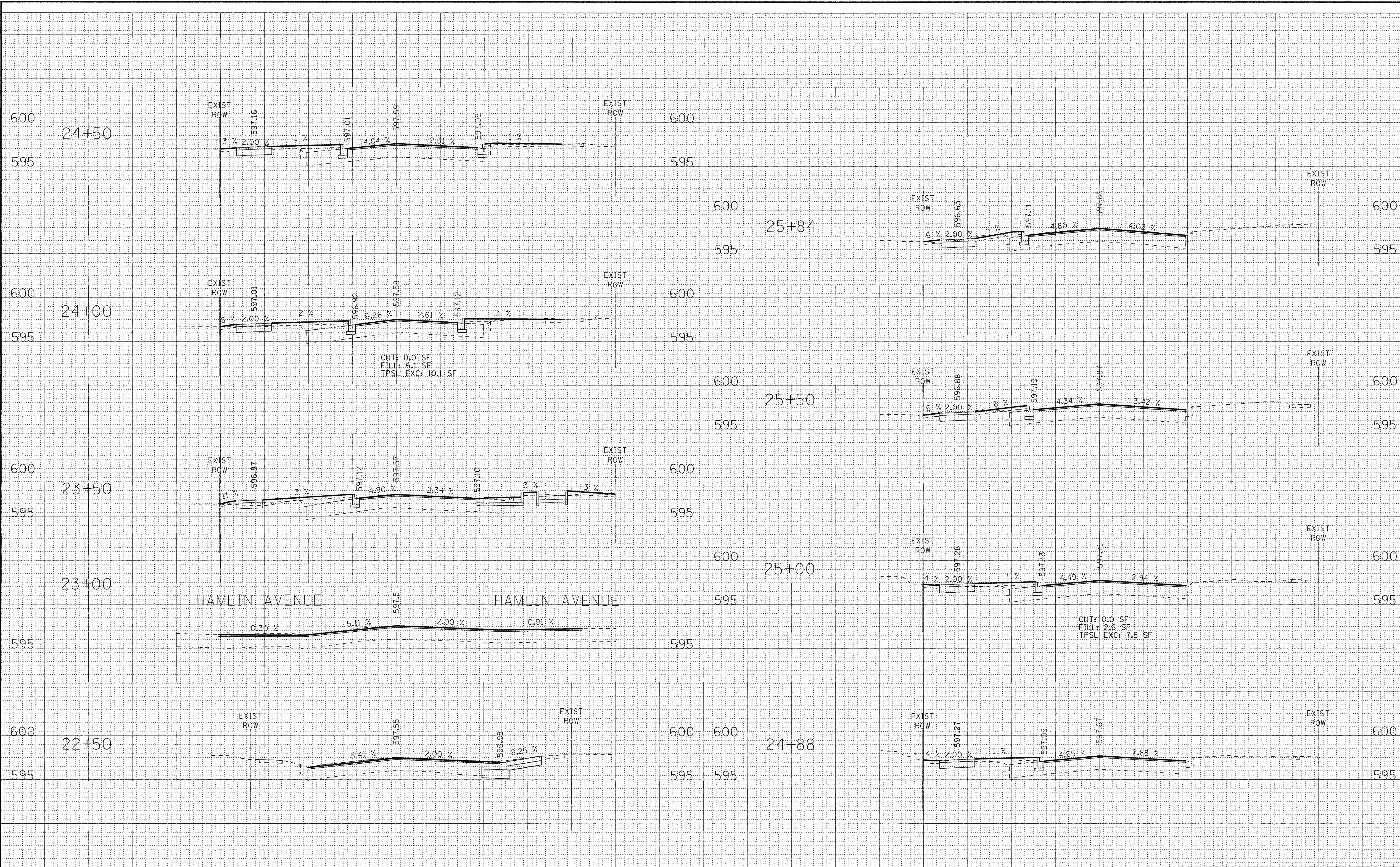
**CROSS SECTIONS**  
**HOWARD STREET**

SCALE: H: 1"=10' V: 1"=5'

STA. 20+07 TO STA. 22+45

F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	14-00301-00-BT	COOK	53	43
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				CONTRACT NO. 61009
				TE-0001 (976)

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 DESIGNER: 05/28/2016



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DRAWN - MAC	REVISED -
CHECKED - DSH	REVISED -
DATE - 04-22-16	REVISED -

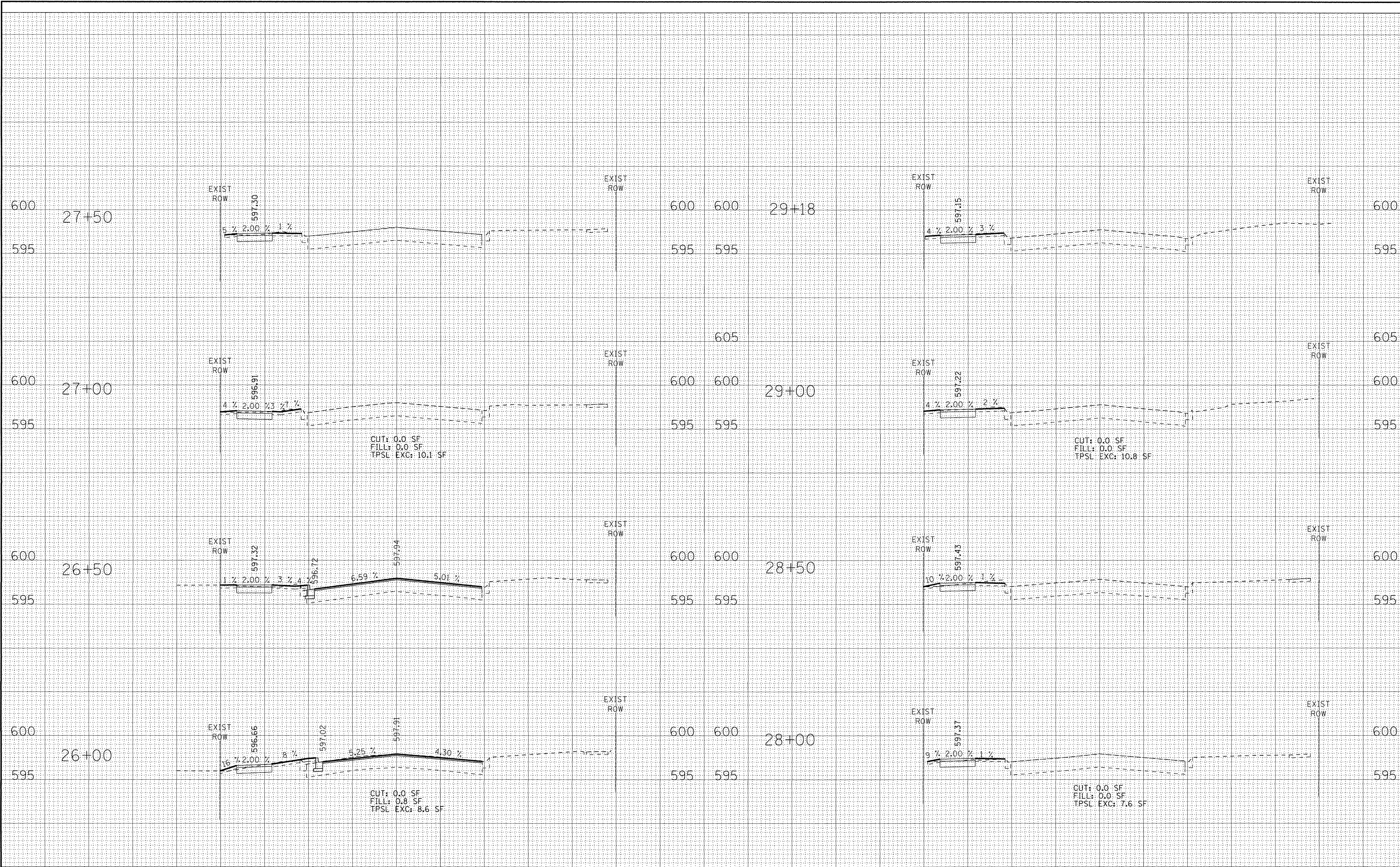
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
HOWARD STREET**

SCALE: H: 1"=10' V: 1"=5'      STA. 22+50      TO STA. 25+84

F.A.M. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	14-00301-00-BT	COOK	53	44
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D09	
			TE-0001 (976)	

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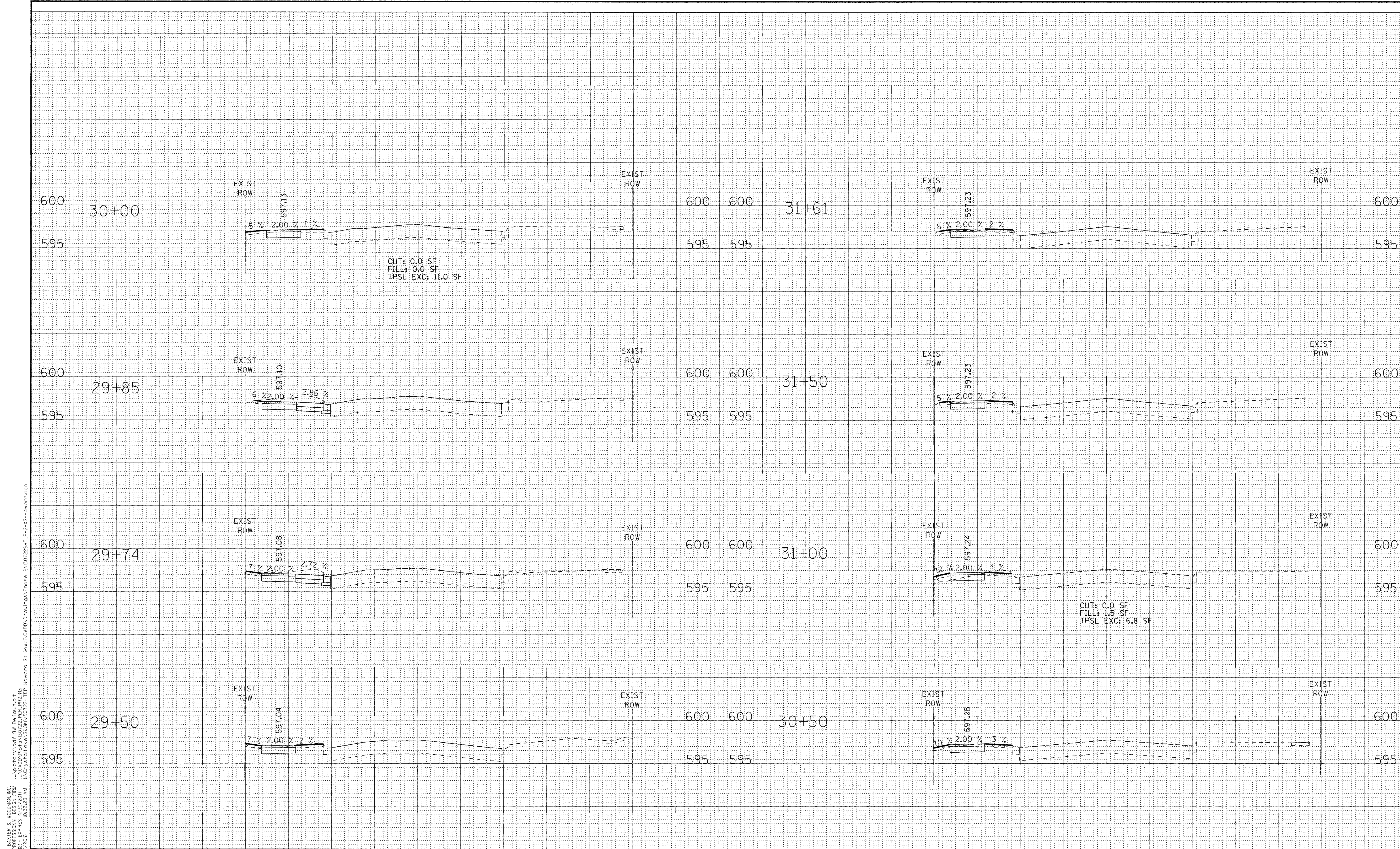
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DRAWN - MAC	REVISED -
CHECKED - DSH	REVISED -
DATE - 04-22-16	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
**HOWARD STREET**

SCALE: H: 1"=10' V: 1"=5'      STA. 26+00      TO STA. 29+18

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	14-00301-00-BT	COOK	53	45
CONTRACT NO. 61009			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-0001 (976)	



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**BAXTER & WOODMAN**  
 Consulting Engineers

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CHECKED - DSH	REVISED -
DATE - 04-22-16	REVISED -

STATE OF ILLINOIS  
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CROSS SECTIONS  
 HOWARD STREET

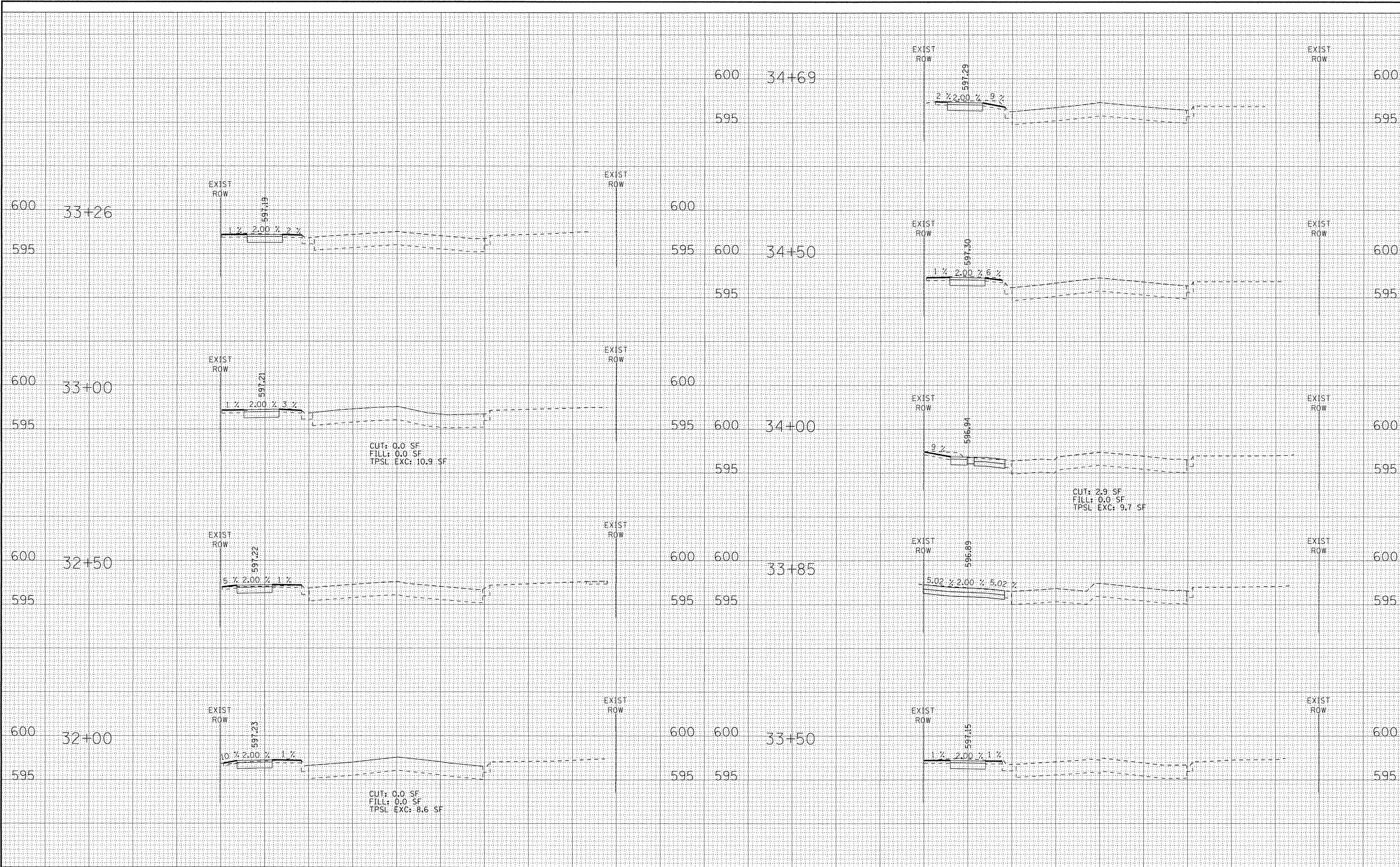
SCALE: H: 1"=10' V: 1"=5'

STA. 29+50 TO STA. 31+61

F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	14-00301-00-BT	COOK	53	46

CONTRACT NO. 61009  
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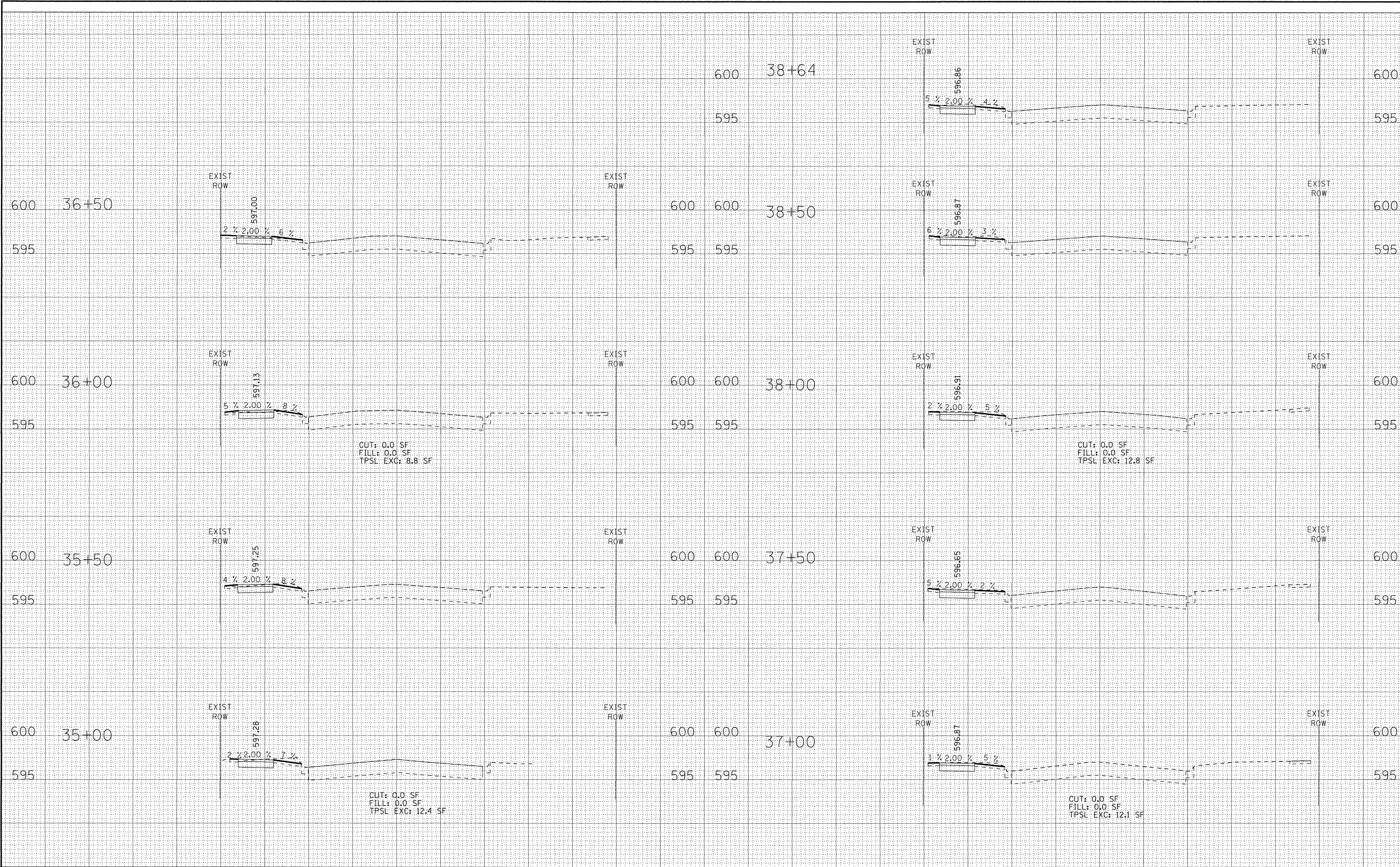
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
**HOWARD STREET**

SCALE: H: 1"=10' V: 1"=5'      STA. 32+00      TO STA. 34+69

F.A.M. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	14-00301-00-BT	COOK	53	47
CONTRACT NO. 61009				
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DATE - 04-22-16	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
**HOWARD STREET**

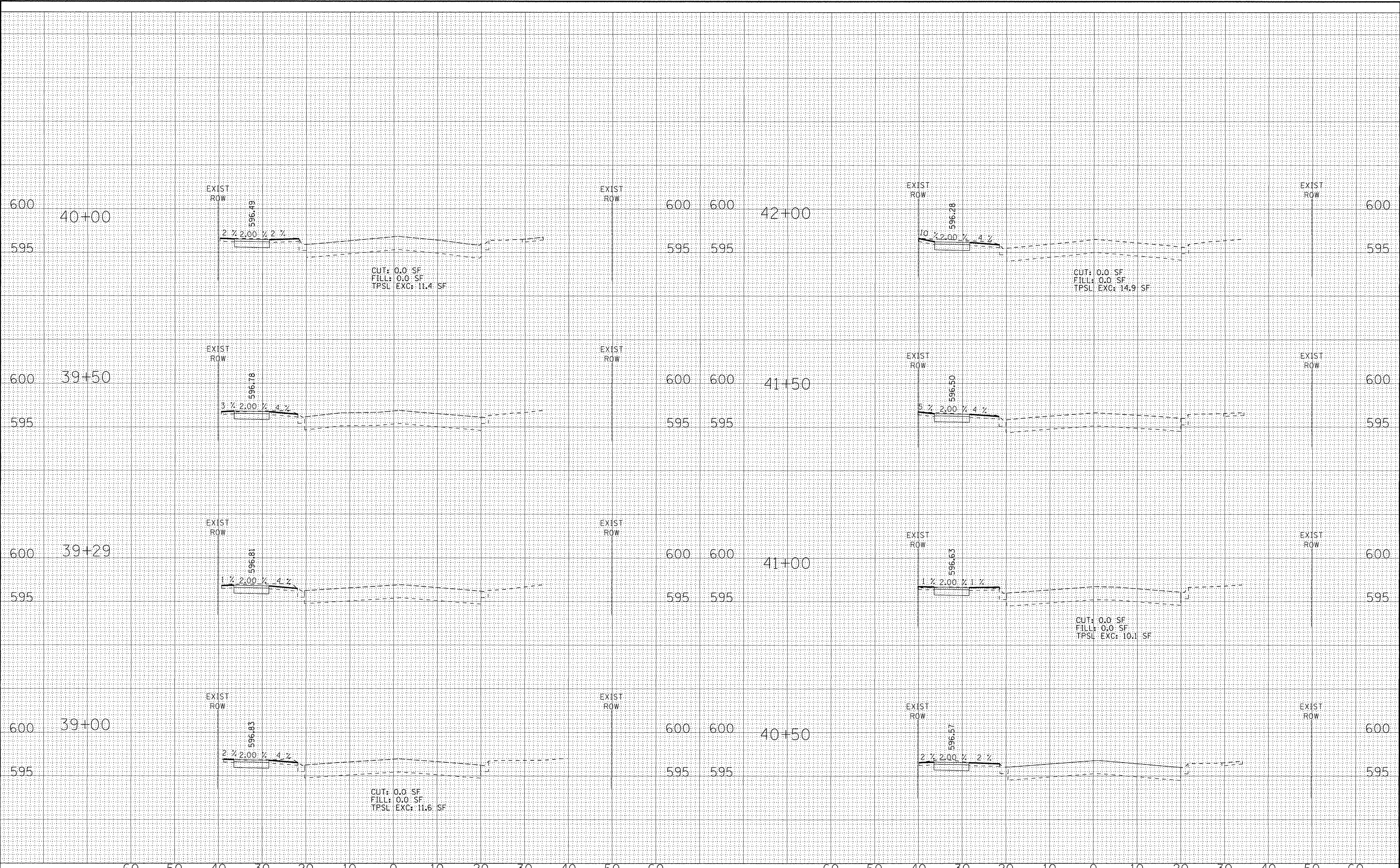
SCALE: H: 1"=10' V: 1"=5'      STA. 35+00 TO STA. 38+64

F.A. (RTE.)	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	14-00301-00-BT	COOK	53	48
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT			CONTRACT NO. 61009	
			TE-0001 (976)	





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DATE - 04-22-16	REVISED -

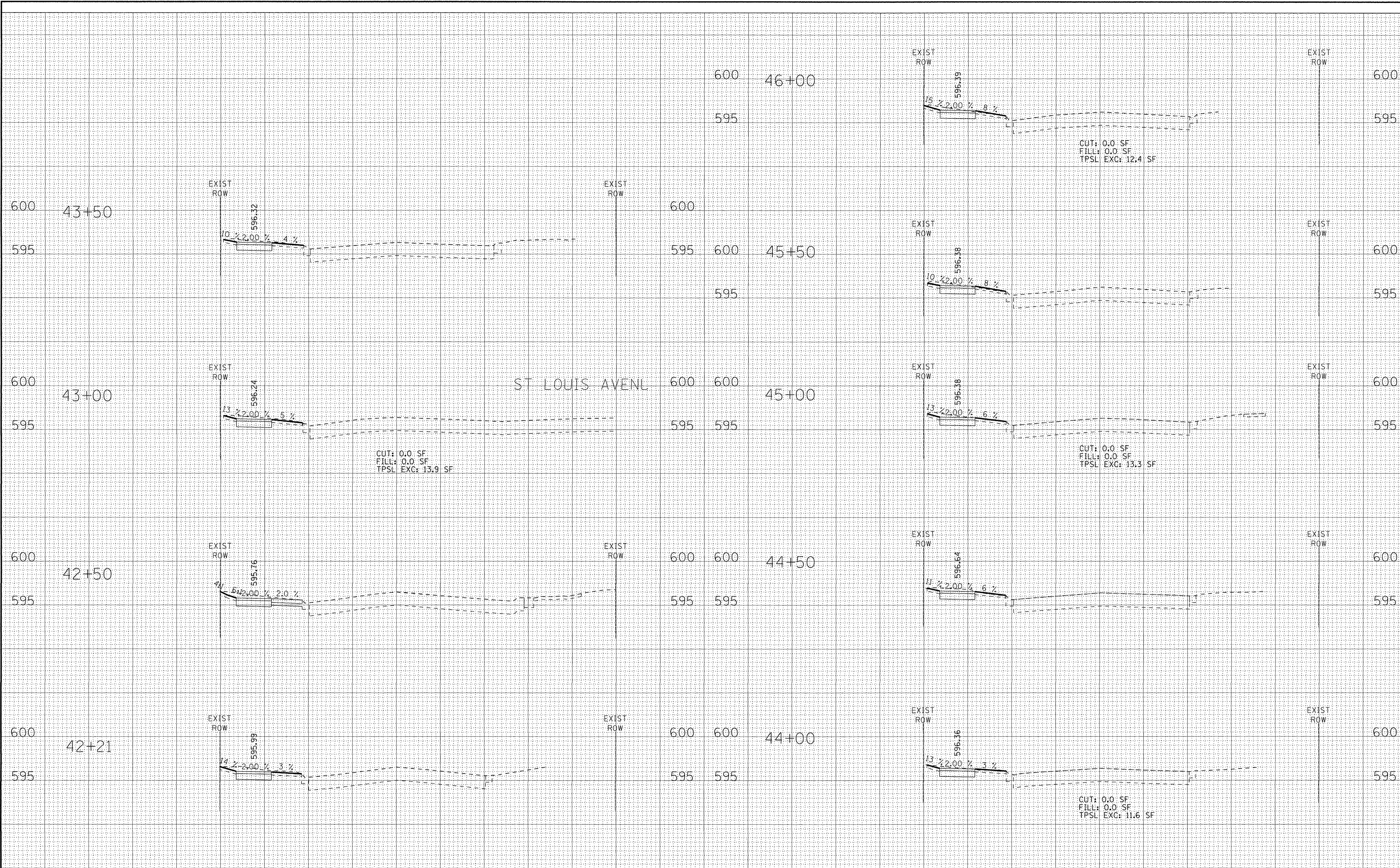
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
**HOWARD STREET**

SCALE: H: 1"=10' V: 1"=5'  
 STA. 39+00 TO STA. 42+00

F.A. (L) RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	14-00301-00-BT	COOK	53	49
CONTRACT NO. 61009			FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT TE-0001 (976)	

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
HOWARD STREET**

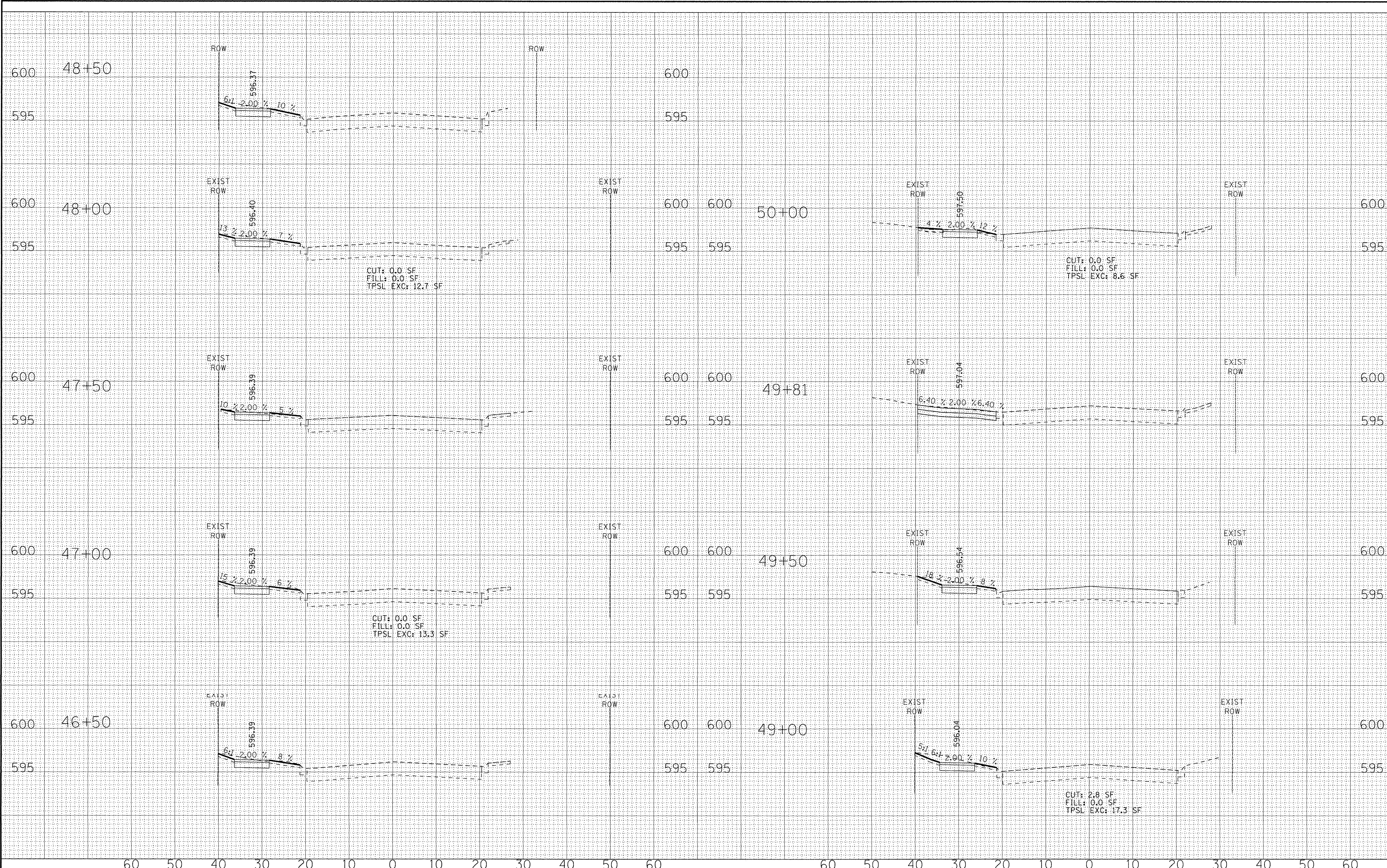


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DRAWN - MAC	REVISED -
CHECKED - DSH	REVISED -
DATE - 04-22-16	REVISED -

SCALE: H: 1"=10' V: 1"=5'      STA. 42+21      TO STA. 46+00

F.A. RTE. 1334	SECTION 14-00301-00-BT	COUNTY COOK	TOTAL SHEETS 53	SHEET NO. 50
CONTRACT NO. 61009			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-0001 (976)	

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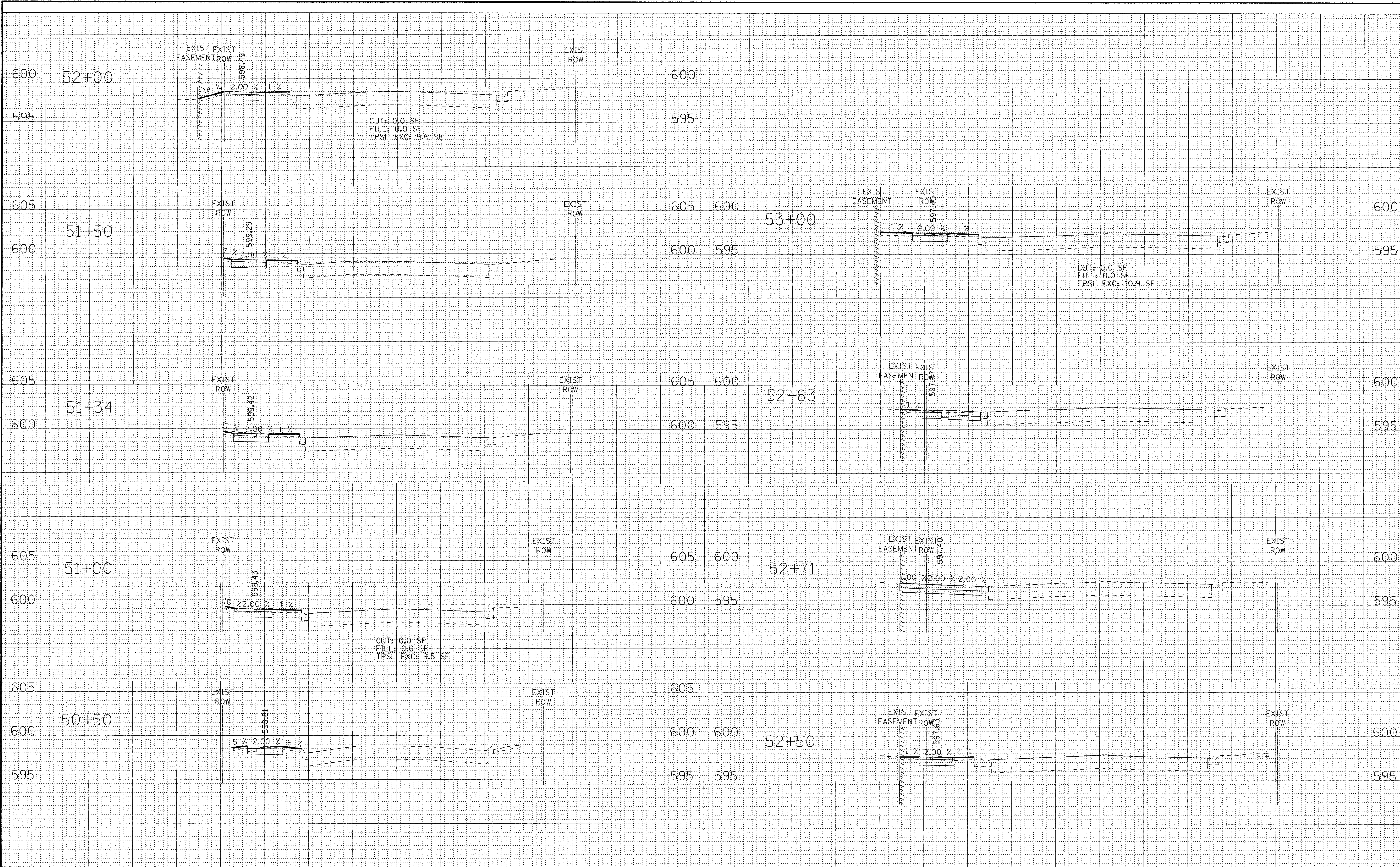
CROSS SECTIONS  
HOWARD STREET

SCALE: H: 1"=10' V: 1"=5' STA. 46+50 TO STA. 50+00

F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	14-00301-00-BT	COOK	53	51
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				TE-0001 (976)

CONTRACT NO. 6109

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CUT: 0.0 SF  
 FILL: 0.0 SF  
 TPSL EXC: 9.6 SF

CUT: 0.0 SF  
 FILL: 0.0 SF  
 TPSL EXC: 10.9 SF

CUT: 0.0 SF  
 FILL: 0.0 SF  
 TPSL EXC: 9.5 SF



DESIGNED - JDM	REVISED -
DRAWN - MAC	REVISED -
CHECKED - DSH	REVISED -
DATE - 04-22-16	REVISED -

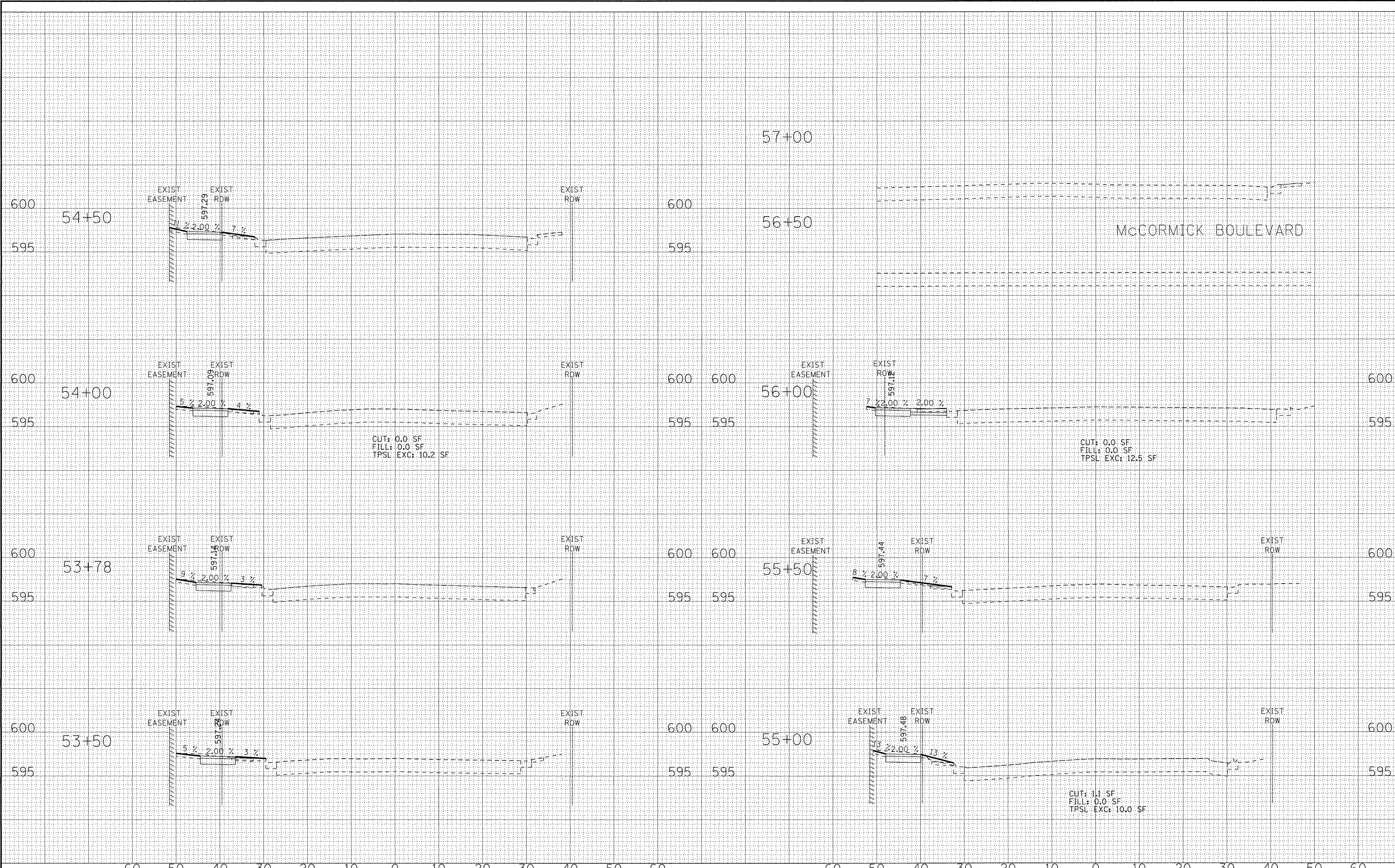
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**CROSS SECTIONS**  
**HOWARD STREET**

SCALE: H: 1"=10' V: 1"=5'  
 STA. 50+50 TO STA. 53+00

F.A. U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	14-00301-00-BT	COOK	53	52
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61009	
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**DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
**HOWARD STREET**

SCALE: H: 1"=10' V: 1"=5'  
 STA. 53+50 TO STA. 57+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	14-00301-00-BT	COOK	53	53
CONTRACT NO. 61009				TE-0001 (976)