

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

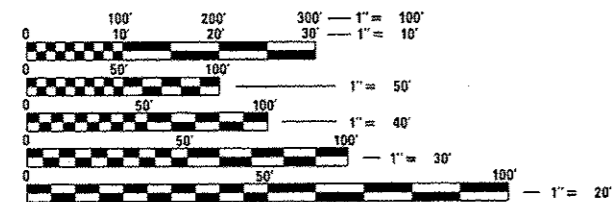
**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 378 (McCORMICK BLVD)
SECTION 3738-T
HOWARD STREET TO TOUHY AVENUE
DRAINAGE IMPROVEMENTS
COOK COUNTY
C-91-229-12

FOR INDEX OF SHEETS, SEE SHEET NO. 2

TRAFFIC DATA
EXISTING ADT = 26,700
SPEED LIMIT = 40 MPH

THE IMPROVEMENT IS LOCATED
WITHIN THE VILLAGE OF SKOKIE

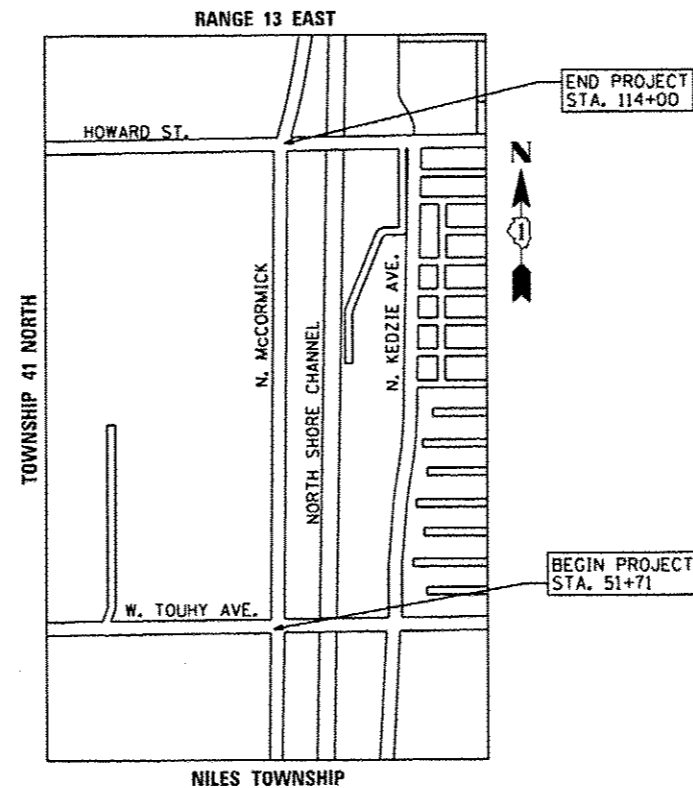


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: PETER JOHNSTON (GRAEF) 773-399-0112
PROJECT MANAGER: KEN ENG (IDOT) 847-705-4247

CONTRACT NO. 60R87

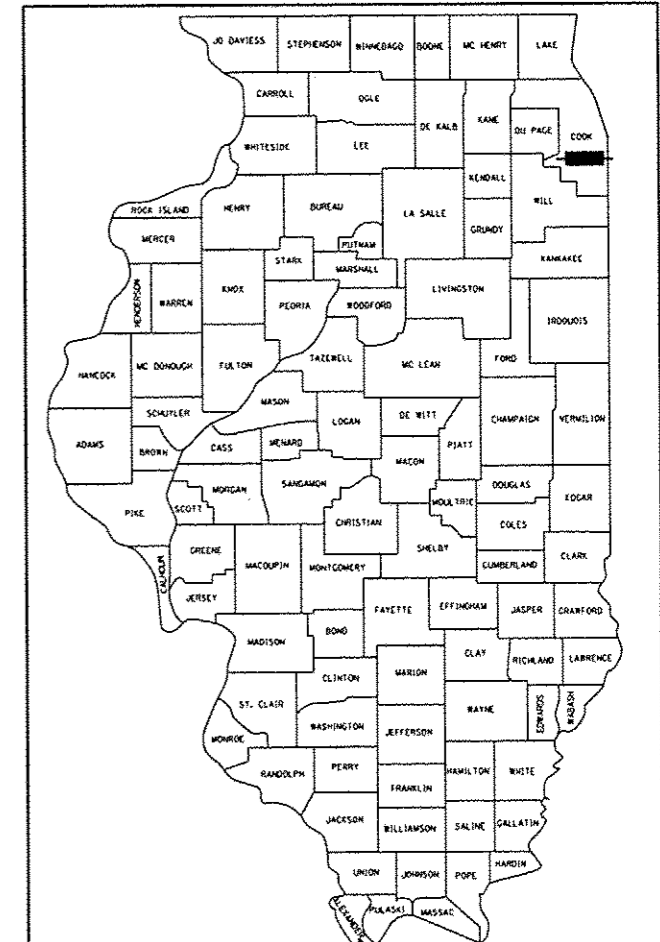


GROSS AND NET LENGTH = 2,646 FT. = 0.50 MILE

FAP R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
378	3738-T	COOK	28	1
ILLINOIS CONTRACT NO. 60R87				

#28+1=29

D-91-229-12



LOCATION OF SECTION INDICATED THIS: - [black rectangle] -

PROFESSIONAL ENGINEER'S SIGN & SEAL

Peter A. Johnston
EXPIRES: 11-30-15



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *December 11, 2013*
John D. Baranzelli, P.E.
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
Jan 24 2014
John D. Baranzelli, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT
Jan 24 2014
Omer Osman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

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HIGHWAY STANDARDS

- | STD. NO. | TITLE |
|-----------|---|
| 000001-06 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 280001-07 | TEMPORARY EROSION CONTROL SYSTEMS |
| 442201-03 | CLASS C AND D PATCHES |
| 542001-04 | CONCRETE END SECTIONS FOR PIPE CULVERTS
15" (375 mm) THRU 84" (2100 mm) DIAMETER |
| 602011-02 | CATCH BASIN, TYPE C |
| 602401-03 | MANHOLE, TYPE A |
| 602411-04 | MANHOLE TYPE A, 7' (2.1 m) DIAMETER |
| 602601-03 | PRECAST REINFORCED CONCRETE FLAT SLAB TOP |
| 602701-02 | MANHOLE STEPS |
| 604001-03 | FRAME AND LIDS, TYPE 1 |
| 604091-02 | FRAME AND GRATE, TYPE 24 |
| 606001-05 | CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER |
| 635011-02 | REFLECTOR MARKER AND MOUNTING DETAILS |
| 643001-02 | SAND MODULE IMPACT ATTENUATORS |
| 664001-02 | CHAIN LINK FENCE |
| 701101-04 | OFF ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE |
| 701106-02 | OFF ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY |
| 701301-04 | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS |
| 701427-02 | LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS • 40 MPH |
| 701602-07 | URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE |
| 701701-09 | URBAN LANE CLOSURE, MULTILANE INTERSECTION |
| 701801-05 | LANE CLOSURE, MULTILANE, 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE |
| 701901-03 | TRAFFIC CONTROL DEVICES |

MWRDGC NOTES

1. THE MWRD LOCAL SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK (CALL 708-588-4055).
2. ELEVATION DATUM IS USGS.
3. NO FLOOR DRAINS.
4. NO FOOTING DRAINS OR DOWNSPOUTS.
5. ALL STORM SEWER PIPE MATERIALS SHALL BE REINFORCED CONCRETE PIPE, C-14 WITH C-443 (RUBBER GASKET) JOINTS.
6. ALL STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS SHALL HAVE A MINIMUM BEDDING THICKNESS OF ONE FOURTH THE OUTSIDE DIAMETER, MINIMUM 4 INCHES THICK. THE MATERIAL FOR THE BEDDING SHALL BE BE COARSE AGGREGATE (CA) 11 OR 13.
7. "BAND SEAL" OR SIMILAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR MATERIALS.
8. WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED:
 - a. CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS ("SEWER-TAP" MACHINE OR SIMILAR) AND PROPER INSTALLATION OF HUBWYE SADDLE OR HUB-TEE SADDLE.
 - b. REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION.
 - c. WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING, USING "BAND SEAL" OR SIMILAR COUPLINGS TO HOLD IT FIRMLY IN PLACE.
9. WHENEVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATERMAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATERMANS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATERMAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED ABOVE CAN NOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATERMAIN, THE SEWER SHALL BE CONSTRUCTED TO WATERMAIN STANDARDS.
10. ALL STORM MANHOLES IN COMBINED SEWER AREAS SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES, AND SHALL BE CAST IN PLACE OR PRE-CAST REINFORCED CONCRETE.

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED).
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
3. THE CONTRACTOR SHALL ALSO CONTACT PEOPLES GAS, THE VILLAGE OF SKOKIE AND THE ILLINOIS DEPARTMENT OF TRANSPORTATION FOR LOCATIONS OF THEIR UNDERGROUND UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED).
4. THE CONTRACTOR WILL BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON THE NORTH HALF OF THE PARKING LOT AT APPROXIMATELY STATION 104+50.
5. WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
6. THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM 72 HOURS IN ADVANCE OF BEGINNING WORK.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
8. FOR STORM SEWER CONSTRUCTED UNDER THE ROADWAY, BACKFILLING METHODS TWO AND THREE AUTHORIZED UNDER THE PROVISIONS OF ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS WILL NOT BE ALLOWED.
9. THE COST OF CONNECTING EXISTING STORM SEWERS TO PROPOSED STORM SEWERS AND TO PROPOSED DRAINAGE STRUCTURES AND THE COST OF CONNECTING PROPOSED STORM SEWERS TO EXISTING DRAINAGE STRUCTURES WILL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN THE COST OF THE VARIOUS DRAINAGE ITEMS.
10. THE COST OF REMOVING EXISTING STORM SEWERS CONFLICTING WITH THE PLACEMENT OF PROPOSED STORM SEWERS WILL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN THE COST OF THE VARIOUS STORM SEWER PAY ITEMS.
11. APPLICATION RATES FOR BITUMINOUS MATERIALS (PRIME COAT) AND AGGREGATE (PRIME COAT) WILL BE PERFORMED ACCORDING TO SECTION 406 OF THE STANDARD SPECIFICATIONS. THE WORK WILL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN THE COST OF THE VARIOUS HOT-MIX ASPHALT PAY ITEMS.
12. ALL STORM SEWER JOINTS SHALL BE RUBBER GASKET ACCORDING TO ARTICLE 550.06 AND SECTION 1056 OF THE STANDARD SPECIFICATIONS.
13. A 3'-6" DEFLECTION AREA IS REQUIRED FROM THE BACK SIDE OF THE TEMPORARY CONCRETE BARRIER TO ANY OBSTRUCTION OR DROP-OFF IN THE WORK ZONE. IF THIS DEFLECTION CANNOT BE MAINTAINED, THE TEMPORARY CONCRETE BARRIER SHALL BE ANCHORED TO THE PAVEMENT THROUGH THE 3 ANCHORING HOLES ON THE TRAFFIC SIDE OF THE BARRIER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN THE UNIT PRICE FOR THE TEMPORARY CONCRETE BARRIER.
14. THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY, AREA TRAFFIC FIELD ENGINEER AT 847 705-8419 AT LEAST TWO (2) WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKING.
15. FOR PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS, REFER TO DISTRICT ONE TYPICAL MARKINGS FOR DETAILS NOT SHOWN.
16. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE MARKINGS) IN ORDER THAT THESE LOCATIONS CAN BE REESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

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	USER NAME = 1485	DESIGNED - RS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	McCORMICK BLVD - HOWARD STREET TO TOUHY AVENUE INDEX OF SHEETS, HIGHWAY STANDARDS AND GENERAL NOTES	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 1/8" = 1'-0"	DRAWN - ED	REVISOR -			0378	3738-T	COOK	28	2	
	PLOT DATE = 12/13/2013	CHECKED - RS	REVISOR -			CONTRACT NO. 60887		ILLINOIS FED. AID PROJECT			
				SCALE: N.T.S.		SHEET 1 OF 1 SHEETS		STA. TO STA.			

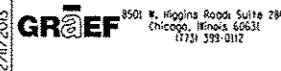
URBAN
100% STATE

PAY ITEM NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	0044 DRAINAGE
20101000	TEMPORARY FENCE	FOOT	95	95
20101100	TREE TRUNK PROTECTION	EACH	3	3
20101200	TREE ROOT PRUNING	EACH	1	1
20800150	TRENCH BACKFILL	CU YD	390	390
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	121	121
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	2	2
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	2	2
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	2	2
25200110	SODDING, SALT TOLERANT	SO YD	121	121
25200200	SUPPLEMENTAL WATERING	UNIT	6	6
28000400	PERIMETER EROSION BARRIER	FOOT	396	396
28000510	INLET FILTERS	EACH	14	14
28100107	STONE RIPRAP, CLASS A4	SO YD	7	7
28200200	FILTER FABRIC	SO YD	7	7
30300118	AGGREGATE SUBGRADE IMPROVEMENT 18"	SO YD	132	132
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SO YD	58	58
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	20	20
42001300	PROTECTIVE COAT	SO YD	34	34
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	51	51

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PAY ITEM NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	0044 DRAINAGE
44000300	CURB REMOVAL	FOOT	16	16
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	80	80
44000600	SIDEWALK REMOVAL	SO FT	51	51
44002206	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 1 1/2"	SO YD	66	66
44002208	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 2"	SO YD	128	128
44201682	CLASS D PATCHES, TYPE II, 3 INCH	SO YD	8	8
44201684	CLASS D PATCHES, TYPE IV, 3 INCH	SO YD	49	49
44201777	CLASS D PATCHES, TYPE II, 11 INCH	SO YD	38	38
44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SO YD	71	71
54261224	CONCRETE END SECTION, STANDARD 542001, 24", 1:2	EACH	1	1
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	28	28
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	25	25
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	81	81
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	7	7
550A1010	STORM SEWERS, CLASS A, TYPE 4 24"	FOOT	164	164
55200900	STORM SEWERS JACKED IN PLACE, 24"	FOOT	25	25
60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	4	4
60221100	MANHOLES, TYPE A, 5*DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2
60224446	MANHOLES, TYPE A, 7*DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1

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PLDT DATE = 12/11/2013	CHECKED - RS	REVISED -
	DATE - 12/11/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

McCORMICK BLVD - HOWARD STREET TO TOUHY AVENUE
SUMMARY OF QUANTITIES

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

F.A.U. RTE. 0378	SECTION 3738-T	COUNTY COOK	TOTAL SHEETS 28	SHEET NO. 3
CONTRACT NO. 60R87			ILLINOIS FED. AID PROJECT	

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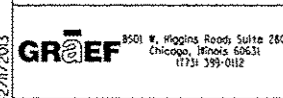
PAY ITEM NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	0044 DRAINAGE
60500040	REMOVING MANHOLES	EACH	1	1
60500105	FILLING MANHOLES	EACH	1	1
60602800	CONCRETE GUTTER, TYPE B	FOOT	16	16
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	80	80
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6
67100100	MOBILIZATION	L SUM	1	1
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	974	974
70400100	TEMPORARY CONCRETE BARRIER	FOOT	146	146
70600240	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 2	EACH	2	2
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	109	109
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3,940	3,940
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	603	603
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	57	57
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	20	20
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	254	254
78100200	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER	EACH	28	28
* 78200530	BARRIER WALL MARKERS, TYPE C	EACH	12	12
78300100	PAVEMENT MARKING REMOVAL	SO FT	1,802	1,802
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	28	28

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PAY ITEM NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	0044 DRAINAGE
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	51	51
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	103	103
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	1,296	1,296
X5537900	STORM SEWERS TO BE CLEANED 15"	FOOT	833	833
X5538000	STORM SEWERS TO BE CLEANED 18"	FOOT	1,129	1,129
X6640304	CHAIN LINK FENCE TO BE REMOVED AND RE-ERECTED	FOOT	30	30
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1
X7030030	WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH	FOOT	4,838	4,838

* 66900200 NON-SPECIAL WASTE DISPOSAL CUYD 900 900
 * 66900450 SPECIAL WASTE PLANS AND REPORTS L SUM 1 1
 * 66900530 SOIL DISPOSAL ANALYSIS EACH 3 3

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DATE - 12/17/2013		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

McCORMICK BLVD - HOWARD STREET TO TOUHY AVENUE
SUMMARY OF QUANTITIES

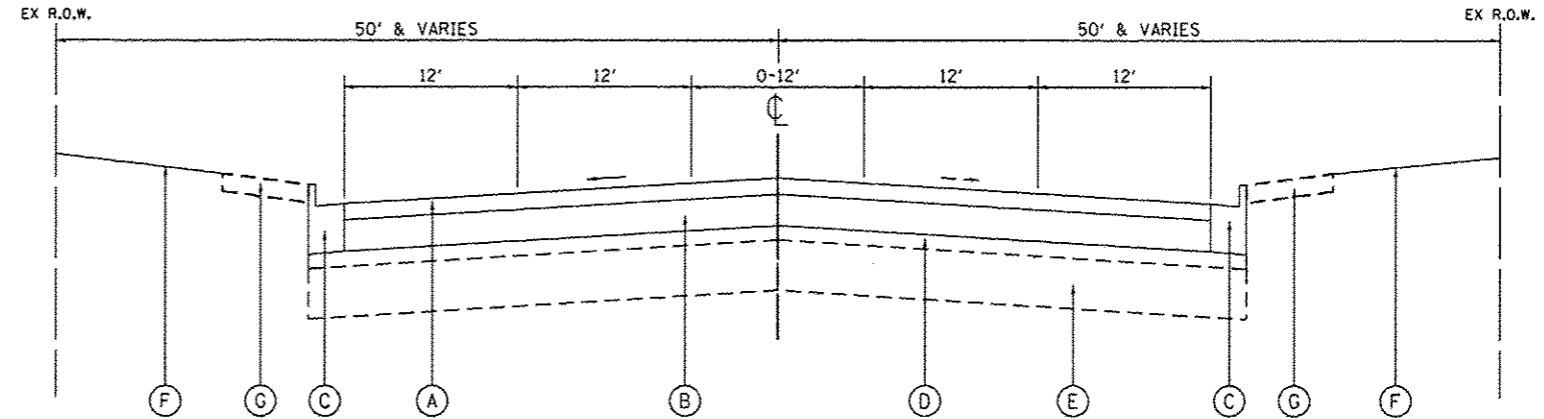
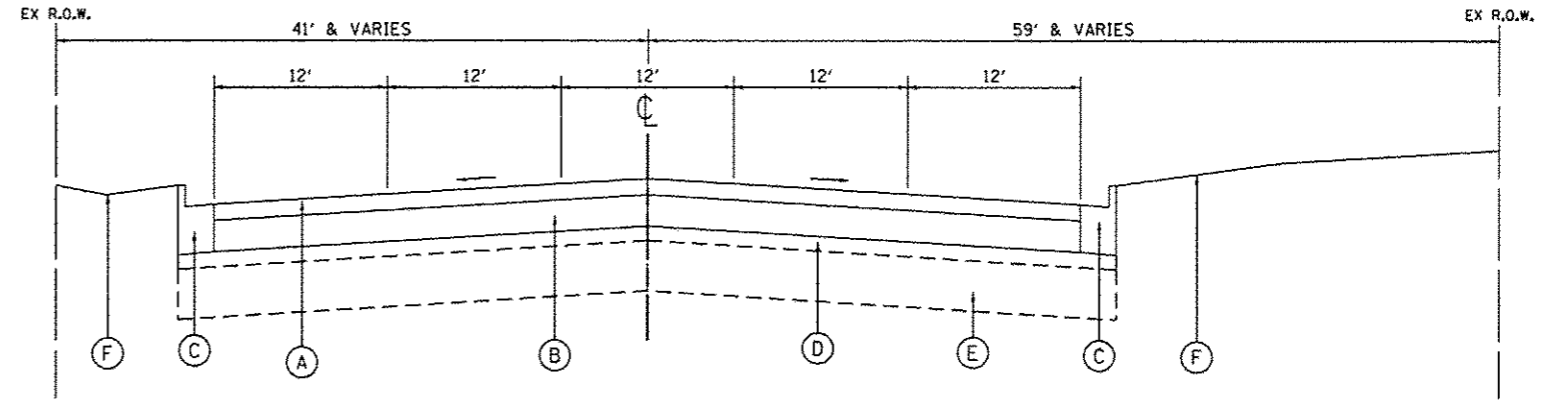
* Specialty Items

Rev.

F.A.U. R.T.E. 0378	SECTION 3738-T	COUNTY COOK	TOTAL SHEETS 28	SHEET NO. 4
SCALE: N.T.S.			SHEET 4 OF 2 SHEETS	STA. TO STA.
ILLINOIS FED. AID PROJECT CONTRACT NO. 60R87				

EXISTING LEGEND

- (A) HOT-MIX ASPHALT SURFACE COURSE, 4 1/2"
- (B) HMA BASE COURSE, 8 3/4"
- (C) COMB. CONC. CURB AND GUTTER TYPE B-6.24
- (D) SUBBASE GRANULAR MATERIAL, 4"
- (E) AGGREGATE SUBGRADE IMPROVEMENT, 14"
- (F) GROUND
- (G) PCC SIDEWALK 5"



HOT-MIX ASPHALT MIXTURE REQUIREMENTS (SEE SHEET 21 FOR DETAILS)	
MIXTURE TYPE	AIR VOIDS @ Ndes
PATCHING: McCORMICK BLVD. & TOUHY AVE.	
CLASS D PATCHES, 11" (HMA BINDER IL-19mm)	4% @ 70 GYR
HMA REPLACEMENT OVER PATCHES - HMA SURFACE COURSE, MIX "D", N70, (IL 9.5mm) 2"	4% @ 70 GYR
PATCHING: PARKING LOT & SIDEWALK	
CLASS D PATCHES, 3" (HMA BINDER IL-19.0mm)	4% @ 70 GYR
HMA REPLACEMENT OVER PATCHES - HMA SURFACE COURSE, MIX "D", N70, (IL 9.5mm) 1 1/2"	4% @ 70 GYR

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE A 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 DISTRICT ONE SPECIAL PROVISIONS.
FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

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GRAEF 8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
773-399-0112

USER NAME = 1485	DESIGNED - RS	REVISED -
PLOT SCALE = 100.0000' / 1"	DRAWN - ED	REVISED -
PLOT DATE = 12/11/2013	CHECKED - RS	REVISED -
	DATE - 12/17/2013	REVISED -

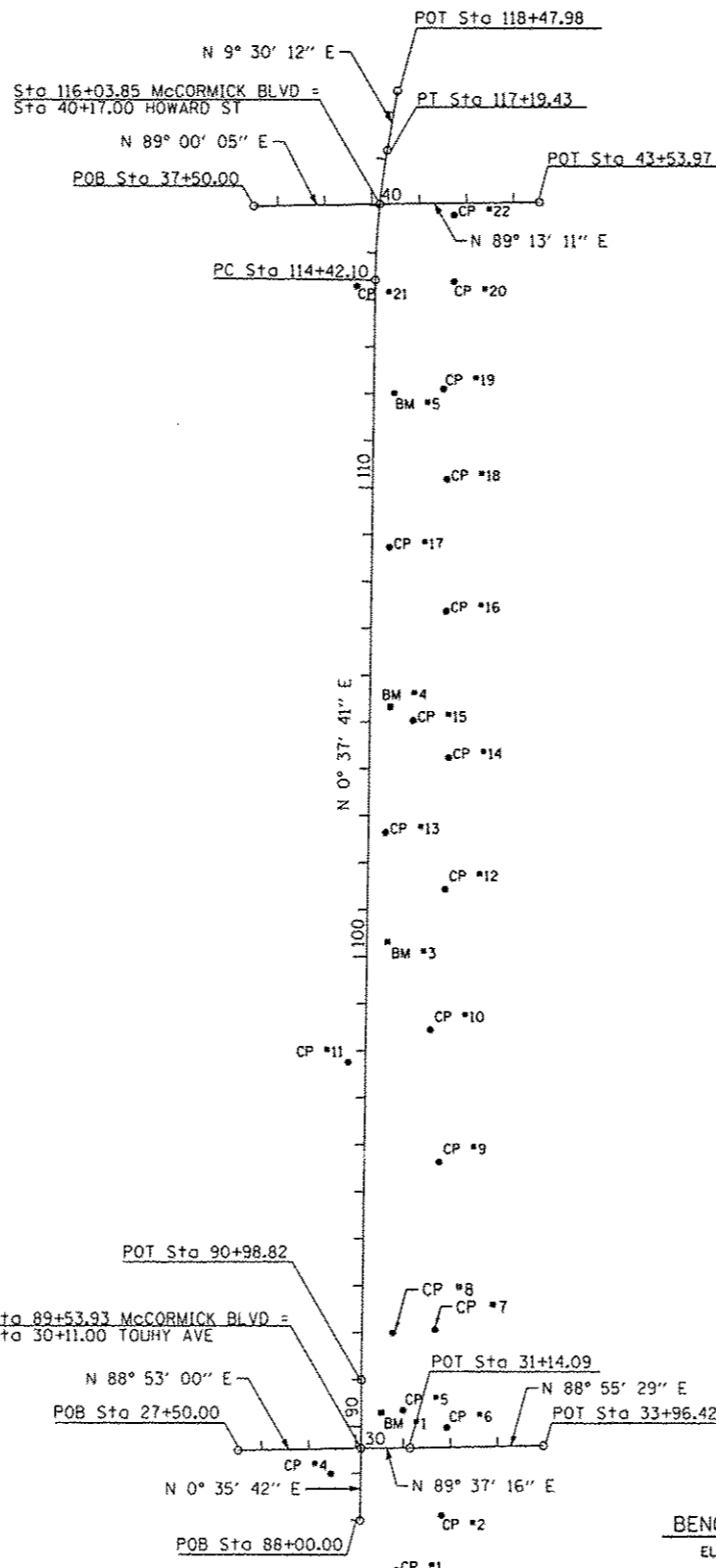
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**McCORMICK BLVD - HOWARD STREET TO TOUHY AVENUE
TYPICAL SECTION**

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

F.A.U. RTE. 0378	SECTION 3738-1	COUNTY COOK	TOTAL SHEETS 28	SHEET NO. 5
CONTRACT NO. 60RB7				
[ILLINOIS] FED. AID PROJECT				

EXIST. CURVE E.MCCORM
 PI STA. = 115+81.04
 $\Delta = 8^\circ 52' 28''$ (RT)
 $D = 3^\circ 11' 59''$
 $R = 1,790.58'$
 $T = 138.95'$
 $L = 277.34'$
 $E = 5.38'$
 P.C. STA. = 114+42.10
 P.T. STA. = 117+19.43



CONTROL POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1,947,258.40	1,153,326.28	601.05	FOUND PK NAIL IN ASPHALT PATH STA. 86+94.95, 77.66' RT
2	1,947,374.95	1,153,420.45		FOUND REBAR STA. 88+12.48, 170.61' RT
4	1,947,463.29	1,153,187.61	597.09	FOUND "X" CUT IN CONCRETE WALK AT THE S.W. CORNER OF MCCORMICK & TOUHY - STA. 88+98.39, 63.13' LT
5	1,947,598.88	1,153,339.36	598.48	FOUND PK NAIL IN ASPHALT PATH. STA. 90+34.97, 87.74' RT
6	1,947,562.58	1,153,431.74		FOUND REBAR STA. 89+99.02, 180.26' RT
7	1,947,771.02	1,153,406.19	598.43	FOUND PK NAIL IN ASPHALT PATH STA. 92+08.47, 153.14 RT
8	1,947,763.99	1,153,317.17	599.09	FOUND PK NAIL IN ASPHALT PATH STA. 92+00.46, 64.20' RT
9	1,948,127.98	1,153,414.02		FOUND REBAR STA. 95+65.48, 157.05' RT
10	1,948,409.26	1,153,395.43		FOUND REBAR STA. 98+46.55, 1035.38' RT
11	1,948,340.68	1,153,222.57	596.30	FOUND "X" CUT IN CONCRETE WALK STA. 97+76.07, 36.72' LT
12	1,948,708.40	1,153,425.85	599.65	FOUND PK NAIL IN ASPHALT PATH STA. 101+46.01, 162.62' RT
13	1,948,829.32	1,153,300.44	596.57	FOUND PK NAIL IN ASPHALT PATH STA. 102+65.54, 35.79' RT
14	1,948,988.72	1,153,433.47	599.26	FOUND PK NAIL STA. 104+26.39, 167.07' RT
15	1,949,068.17	1,153,358.56	600.27	FOUND PK NAIL IN ASPHALT PATH STA. 105+05.01, 91.29' RT
16	1,949,301.64	1,153,427.95	601.23	FOUND PK NAIL STA. 107+39.23, 158.12' RT
17	1,949,436.89	1,153,307.84		FOUND REBAR STA. 108+73.16, 36.54' RT
18	1,949,582.20	1,153,428.95		FOUND REBAR STA. 110+19.78, 156.05' RT
19	1,949,775.01	1,153,421.95		FOUND REBAR STA. 112+12.51, 146.93 RT
20	1,950,002.73	1,153,443.39		FOUND REBAR STA. 114+40.45, 165.87' RT
21	1,949,993.58	1,153,238.78	597.50	FOUND "X" CUT IN CONCRETE WALK STA. 114+29.05, 38.62' LT
22	1,950,145.07	1,153,443.48	600.39	FOUND "X" CUT IN CONCRETE WALK STA. 115+96.62, 158.33 RT

ALIGNMENT COORDINATES - MCCORMICK BOULEVARD

	STATION	NORTHING	EASTING
POB	88+00.00	1,947,364.25	1,153,249.71
POT	89+53.93	1,947,518.17	1,153,251.31
POT	90+98.82	1,947,663.06	1,153,251.86
PC	114+42.10	1,950,006.20	1,153,277.54
PI	115+81.04	1,950,145.13	1,153,279.07
PT	117+19.43	1,950,282.17	1,153,302.01
POT	118+47.98	1,950,408.96	1,153,323.23

ALIGNMENT COORDINATES - TOUHY AVENUE

	STATION	NORTHING	EASTING
POB	27+50.00	1,947,513.08	1,152,990.36
POT	30+11.00	1,947,518.17	1,153,251.31
POT	31+14.09	1,947,518.85	1,153,354.41
POT	33+96.42	1,947,524.15	1,153,636.68

ALIGNMENT COORDINATES - HOWARD STREET

	STATION	NORTHING	EASTING
POB	37+50.00	1,950,163.00	1,153,019.66
POT	40+17.00	1,950,167.66	1,153,286.62
POT	43+53.97	1,950,172.25	1,153,623.55

BENCHMARK #1
 ELEV. 597.71'
 CHISELED SQUARE ON W. SIDE OF CONCRETE BASE OF TRAFFIC SIGNAL AT NE CORNER OF MCCORMICK AND TOUHY STA. 90+29.94, 42.17' RT.

BENCHMARK #3
 ELEV. 597.53'
 CHISELED SQUARE ON THE W. SIDE OF CONCRETE BASE FOR THE 7TH LIGHT POLE N. OF TOUHY AVE ON THE E. SIDE OF MCCORMICK STA. 100+31.93, 43.12' RT.

BENCHMARK #4
 ELEV. 598.66'
 CHISELED SQUARE IN W. SIDE OF CONCRETE BASE OF THE 7TH LIGHT POLE S. OF HOWARD ON E. SIDE OF MCCORMICK STA. 105+32.83, 42.60' RT.

BENCHMARK #5
 ELEV. 598.80'
 CHISELED SQUARE IN W. SIDE OF CONCRETE BASE OF THE 3RD LIGHT POLE S. OF HOWARD ON E. SIDE OF MCCORMICK STA. 112+01.23, 43.07' RT.

12:40:44 PM
 12/17/2013



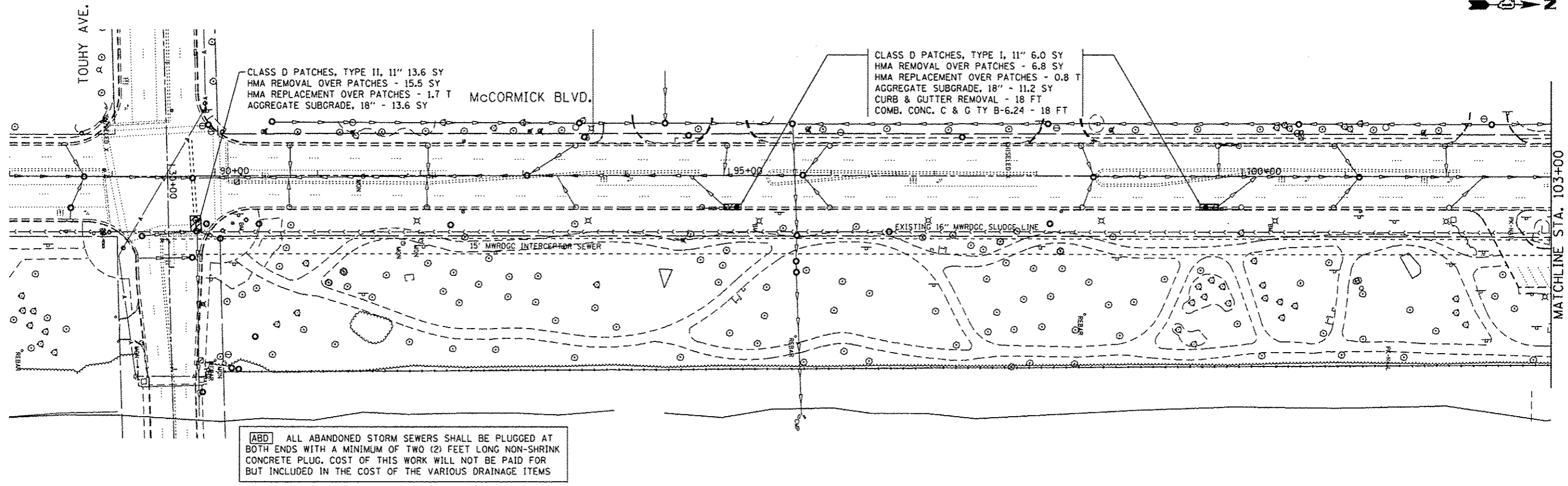
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	DATE - 12/17/2013	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

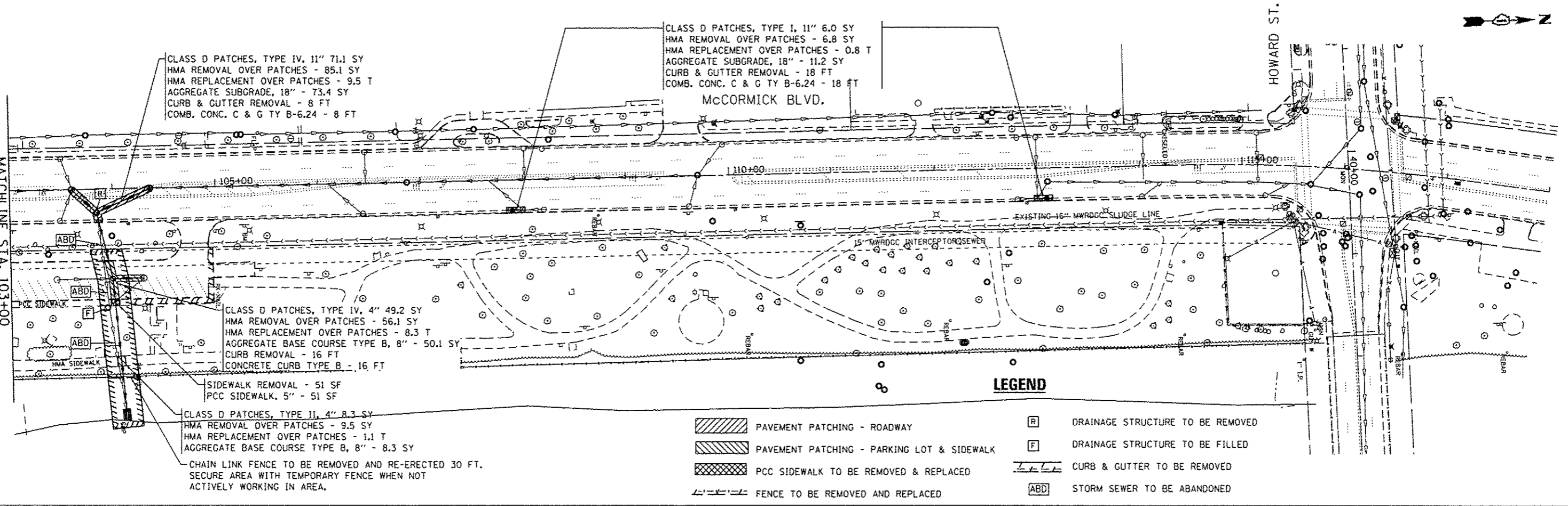
MCCORMICK BLVD - HOWARD STREET TO TOUHY AVENUE
 ALIGNMENT AND CONTROL POINTS

SCALE: 1"=200' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE. 0378	SECTION 3738-T	COUNTY COOK	TOTAL SHEETS 28	SHEET NO. 6
ILLINOIS FED. AID PROJECT				CONTRACT NO. 60RB7

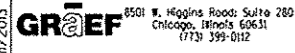


MATCHLINE STA. 103+00



MATCHLINE STA. 103+00

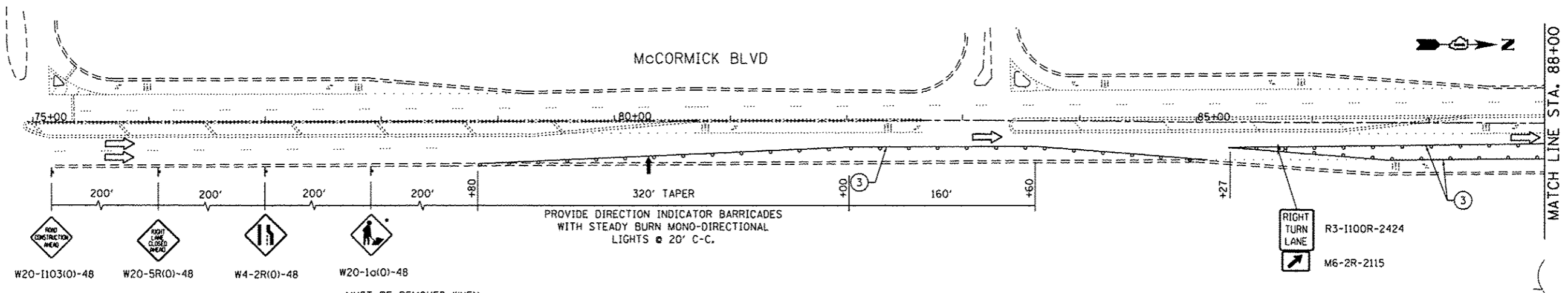
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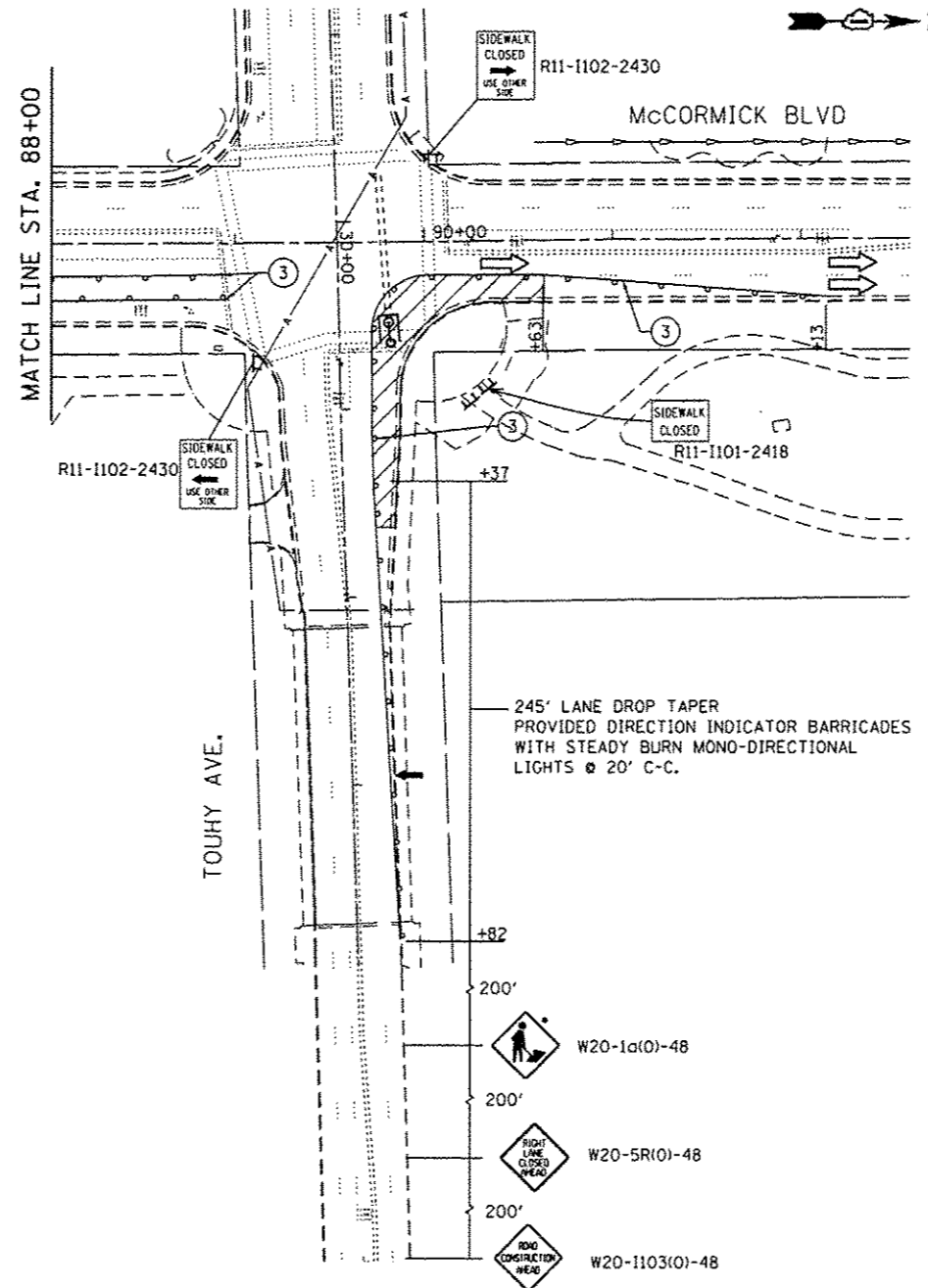
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PLOT DATE = 12/11/2013	CHECKED - RS	REVISED -
	DATE - 12/17/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

McCORMICK BLVD - HOWARD STREET TO TOUHY AVE REMOVAL AND IMPROVEMENT PLAN		F.A.U. RTE. 0378	SECTION 3738-T	COUNTY COOK	TOTAL SHEETS 28	SHEET NO. 7
SCALE: 1"=50'	SHEET 1 OF 1 SHEETS	STA. 88+00	TO STA. 118+00		CONTRACT NO. 60R87	
[ILLINOIS] FED. AID PROJECT						



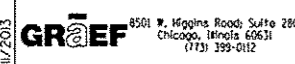
• MUST BE REMOVED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN AN HOUR.



- LEGEND**
- CONSTRUCTION WORK ZONE
 - DIRECTION OF TRAFFIC
 - DRUMS @ 20' C-C WITH MONO-DIRECTIONAL STEADY BURN LIGHTS
 - FLASHING ARROW BOARD
 - BARRICADES TYPE III
 - WET REFLECTIVE TEMPORARY TAPE, TYPE III 4" WHITE

CONTRACTOR SHALL PROVIDE STEEL PLATES TO COVER EXCAVATION AT THE END OF EACH WORK DAY AND WHEN NOT ACTIVELY WORKING IN WORK ZONE. THE PLATES WILL BE REQUIRED UNTIL PATCHING OPERATIONS ARE COMPLETED. COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL)

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DRAWN = ED	REVISIONS =	
CHECKED = RS	REVISIONS =	
DATE = 12/17/2013	REVISIONS =	

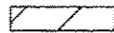
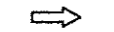
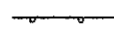
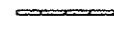

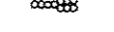
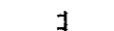
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

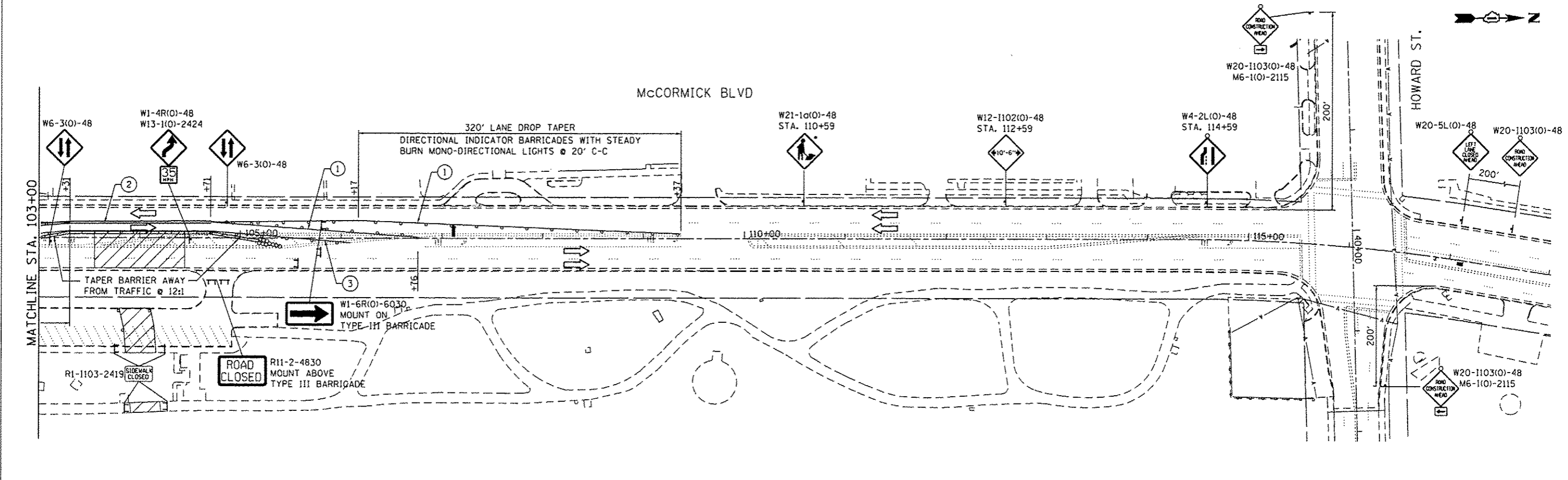
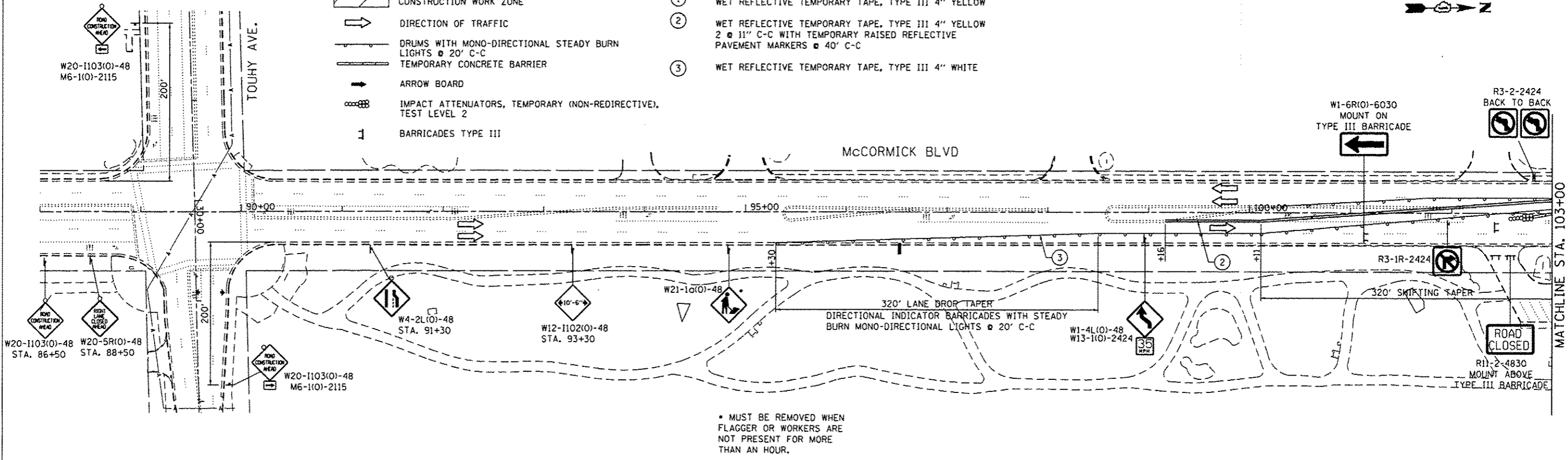
McCORMICK BLVD - HOWARD STREET TO TOUHY AVENUE
SUGGESTED MAINTENANCE OF TRAFFIC - TOUHY AVENUE

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 75+00 TO STA. 93+00

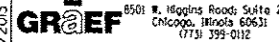
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0378	3738-T	COOK	28	8
CONTRACT NO. 60R87				
ILLINOIS FED. AID PROJECT				

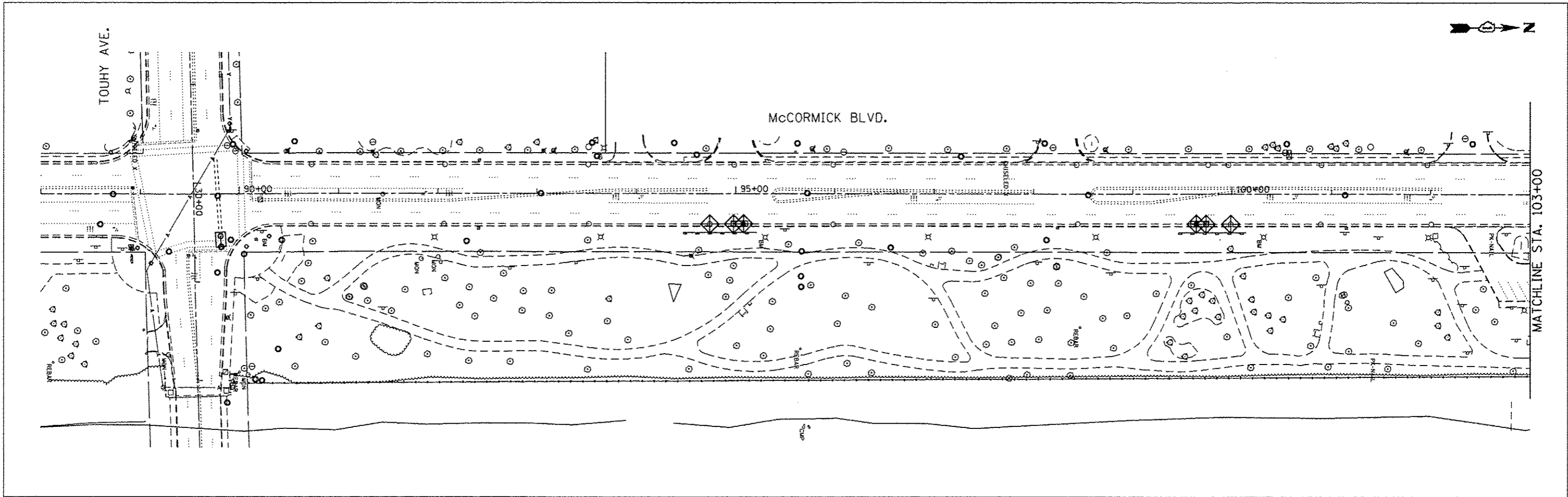
LEGEND

-  CONSTRUCTION WORK ZONE
-  DIRECTION OF TRAFFIC
-  DRUMS WITH MONO-DIRECTIONAL STEADY BURN LIGHTS @ 20' C-C
-  TEMPORARY CONCRETE BARRIER
-  ARROW BOARD
-  IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2
-  BARRICADES TYPE III
- ① WET REFLECTIVE TEMPORARY TAPE, TYPE III 4" YELLOW
- ② WET REFLECTIVE TEMPORARY TAPE, TYPE III 4" YELLOW
2 @ 11" C-C WITH TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS @ 40' C-C
- ③ WET REFLECTIVE TEMPORARY TAPE, TYPE III 4" WHITE

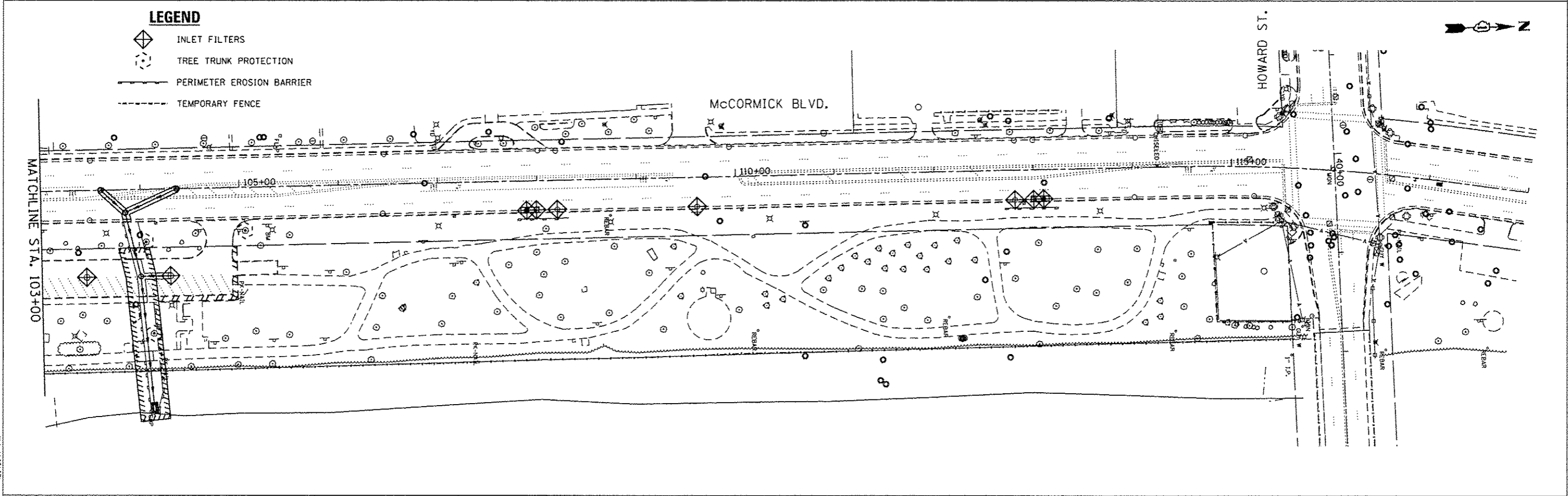


8FILES 12/17/2013 12:40:46 PM

 8501 N. Higgins Road, Suite 280 Chicago, Illinois 60631 (773) 399-0112	USER NAME = 1485	DESIGNED - RS / ED	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	McCORMICK BLVD - HOWARD STREET TO TOUHY AVE MAINTENANCE OF TRAFFIC - McCORMICK BLVD OUTFALL SEWER		F.A.U. RTE. 0378	SECTION 3738-T	COUNTY COOK	TOTAL SHEETS 28	SHEET NO. 9	
	PLOT SCALE = 100,0000' / in.	CHECKED - RS	REVISED -		SCALE: 1"=50'	SHEET 1	OF 1 SHEETS	STA. 88+00	TO STA. 118+00	CONTRACT NO. 60R87		
	PLOT DATE = 12/11/2013	DATE = 12/17/2013	REVISED -		ILLINOIS FED. AID PROJECT							



- LEGEND**
- INLET FILTERS
 - TREE TRUNK PROTECTION
 - PERIMETER EROSION BARRIER
 - TEMPORARY FENCE



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GR2EF 8501 N. Higgins Road, Suite 280
 Chicago, Illinois 60631
 (773) 399-0112

USER NAME = 1489	DESIGNED - RS / ED	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - ED	REVISED -
PLOT DATE = 12/11/2013	CHECKED - RS	REVISED -
	DATE - 12/17/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

McCORMICK BLVD - HOWARD STREET TO TOUHY AVE
EROSION & SEDIMENT CONTROL

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 88+00 TO STA. 118+00

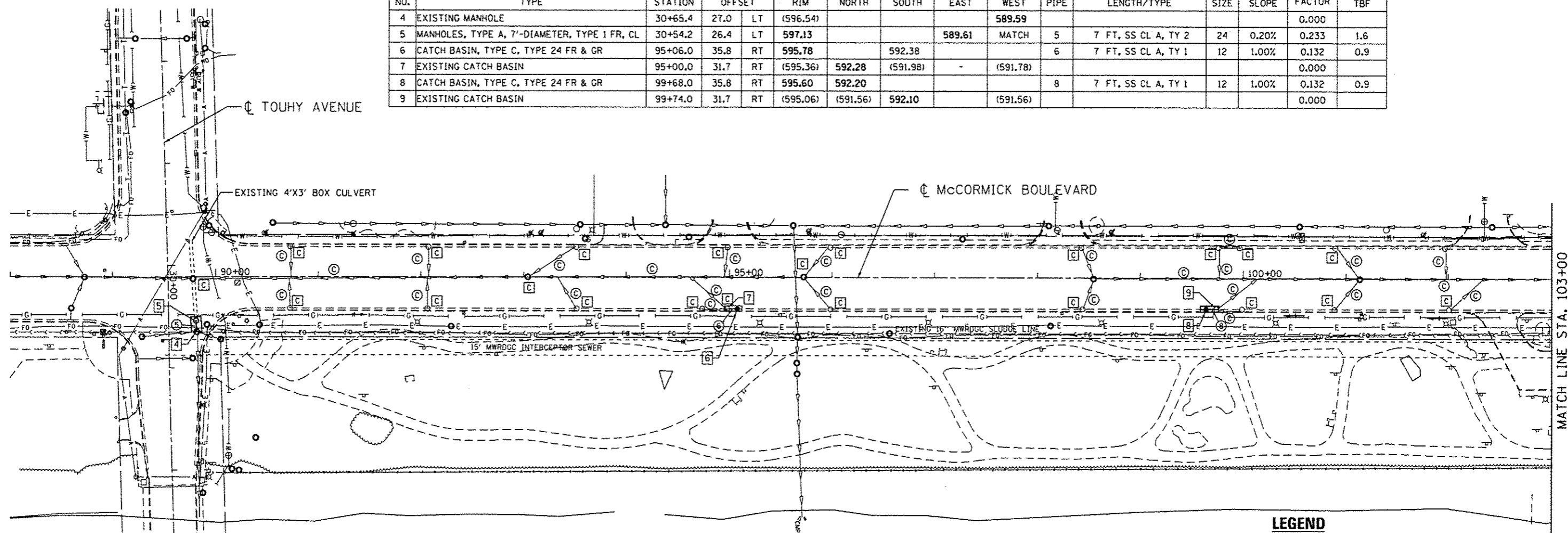
F.A.U. RTE. 0378	SECTION 3738-T	COUNTY COOK	TOTAL SHEETS 28	SHEET NO. 10
CONTRACT NO. 60R87				
[ILLINOIS] FED. AID PROJECT				

DRAINAGE SCHEDULE										PIPE SCHEDULE					
NO.	STRUCTURE	STATION	OFFSET	RIM	INVERT				PIPE	LENGTH/TY	SIZE	SLOPE	TBF		
					NORTH	SOUTH	EAST	WEST					FACTOR	TBF	
4	EXISTING MANHOLE	30+65.4	27.0	LT (596.54)				589.59				0.000			
5	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FR, CL	30+54.2	26.4	LT 597.13			589.61	MATCH	5	7 FT. SS CL A, TY 2	24	0.20%	0.233	1.6	
6	CATCH BASIN, TYPE C, TYPE 24 FR & GR	95+06.0	35.8	RT 595.78		592.38	(591.98)		6	7 FT. SS CL A, TY 1	12	1.00%	0.132	0.9	
7	EXISTING CATCH BASIN	95+00.0	31.7	RT (595.36)	592.28	(591.98)	-	(591.78)					0.000		
8	CATCH BASIN, TYPE C, TYPE 24 FR & GR	99+68.0	35.8	RT 595.60	592.20				8	7 FT. SS CL A, TY 1	12	1.00%	0.132	0.9	
9	EXISTING CATCH BASIN	99+74.0	31.7	RT (595.06)	(591.56)	592.10		(591.56)					0.000		

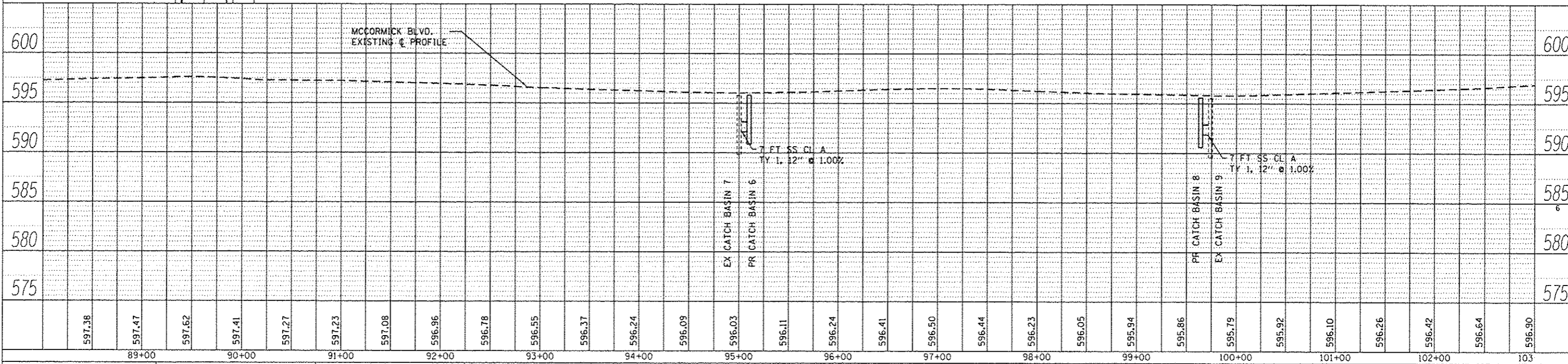


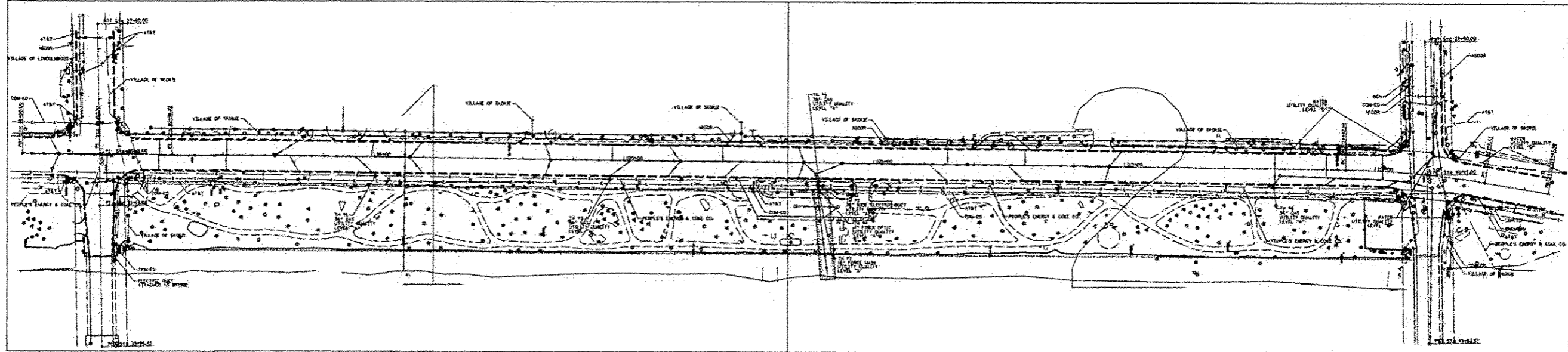
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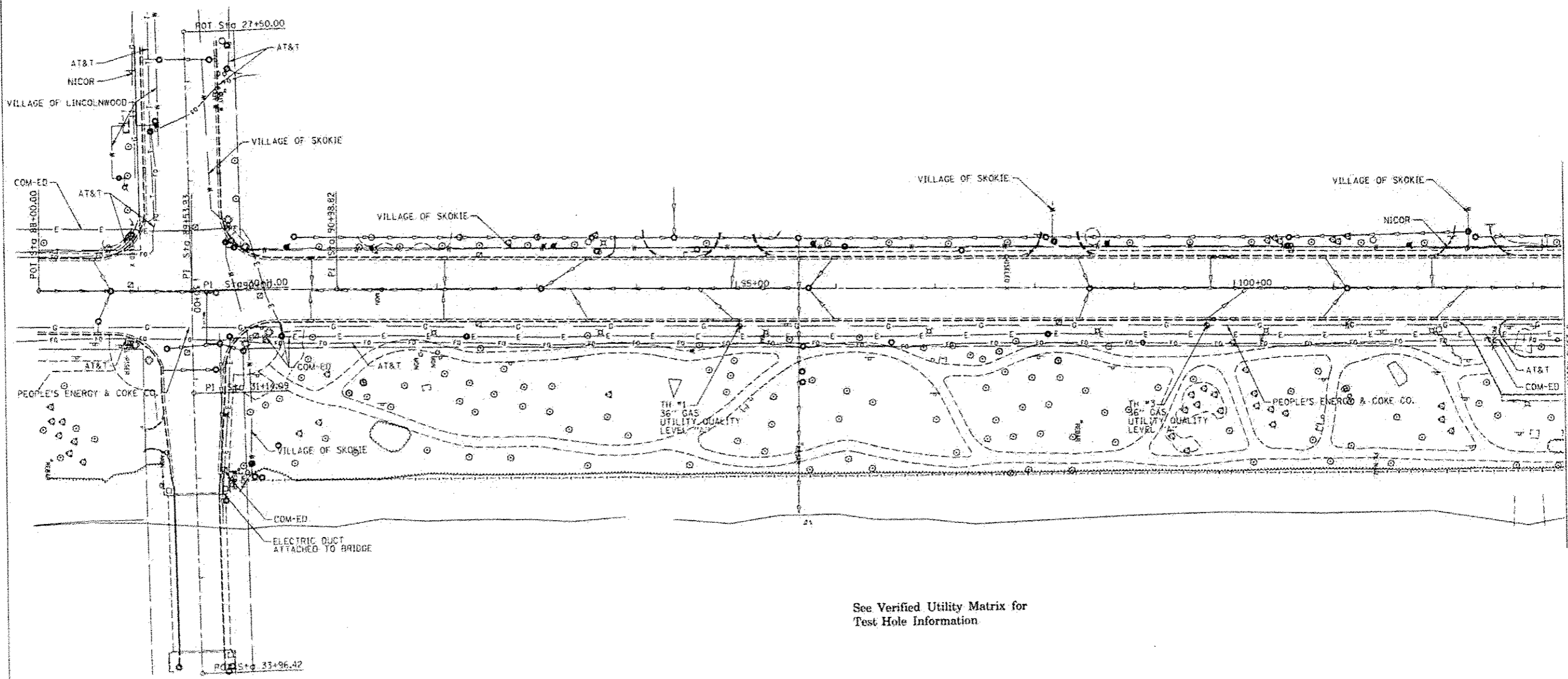


- LEGEND**
- ⊙ STORM SEWER TO BE CLEANED
 - ⊠ DRAINAGE STRUCTURE TO BE CLEANED
 - PROPOSED MANHOLE
 - PROPOSED CATCH BASIN
 - PROPOSED STORM SEWER
 - EXISTING STORM SEWER





<p> A ——— A ——— AERIAL UNKNOWN CTV ——— CTV ——— CABLE TV T ——— T ——— TELEPHONE G ——— G ——— GAS E ——— E ——— ELECTRIC W ——— W ——— WATER FO ——— FO ——— FIBER OPTIC FORCE MAIN TBE TEST HOLE </p>	<p>UTILITY OWNERS</p> <p> AT&T = FIBER OPTIC AT&T = TELEPHONE COM-ED = ELECTRIC NICOR = GAS PEOPLE'S ENERGY & COKE CO. = GAS MWRD = FORCE MAIN RCN = FIBER OPTIC VILLAGE OF LINCOLNWOOD = WATER VILLAGE OF SKOKIE = WATER </p>	<p>Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's DL "B" SUE field investigation was performed 12/14/12 through 1/11/13. Cardno TBE's DL "A" SUE Test Holes were performed 3/01/13 and 11/13/13. Changes to utilities after 1/11/13 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.</p>	<p>ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.</p>												
<p> Utility Quality Level "A": Visually Verified Test Hole Utility Quality Level "B": Designating/non Visually Verified Test Hole Utility Quality Level "C": Research with Survey Utility Quality Level "D": Records Research </p>	<p> DESIGNED: ER DRAWN: SRK CHECKED: KFS DATE: 1/16/13 </p>	<p> REVISED: 4/03/13 ADDED TEST HOLES #1-6 REVISED: 11/19/13 ADDED TH #7 REVISED: </p>	<p> STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION </p>	<p> McCormick Blvd/Touhy Ave. to Howard St. Lincolnwood/Skokie, Illinois </p>	<p> TBE Job No. IL09510514 520, 528, 555 SUE Plan Pages Cover </p> <table border="1"> <tr> <th>F.A.U. RTE.</th> <th>SECTION</th> <th>COUNTY</th> <th>TOTAL SHEETS</th> <th>SHEET NO.</th> </tr> <tr> <td>0378</td> <td>3738-T</td> <td>Cook</td> <td>28</td> <td>14</td> </tr> </table> <p> Contract No. 60R87 ILLINOIS DOT Project No. </p>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	0378	3738-T	Cook	28	14
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.											
0378	3738-T	Cook	28	14											



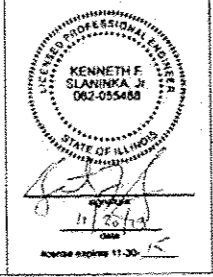
See Verified Utility Matrix for Test Hole Information

----- A ----- A -----	AERIAL UNKNOWN
----- CTV ----- CTV -----	CABLE TV
----- T ----- T -----	TELEPHONE
----- G ----- G -----	GAS
----- E ----- E -----	ELECTRIC
----- W ----- W -----	WATER
----- FO ----- FO -----	FIBER OPTIC
----- FM ----- FM -----	FORCE MAIN
○	TBE TEST HOLE

UTILITY OWNERS	
AT&T	= FIBER OPTIC
AT&T	= TELEPHONE
COM-ED	= ELECTRIC
NICOR	= GAS
PEOPLE'S ENERGY & COKE CO.	= GAS
MWRD	= FORCE MAIN
RCN	= FIBER OPTIC
VILLAGE OF LINCOLNWOOD	= WATER
VILLAGE OF SKOKIE	= WATER

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's QL "B" SUE field investigation was performed 12/14/12 through 1/11/13. Cardno TBE's QL "A" SUE field investigation was performed 3/01/13. Changes to utilities after 1/11/13 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



Cardno TBE

Dynasty Group
Engineers & Surveyors

TBE Job No. IL09510514, 500, 508, 956
SUE Plan Pages 1 of 2

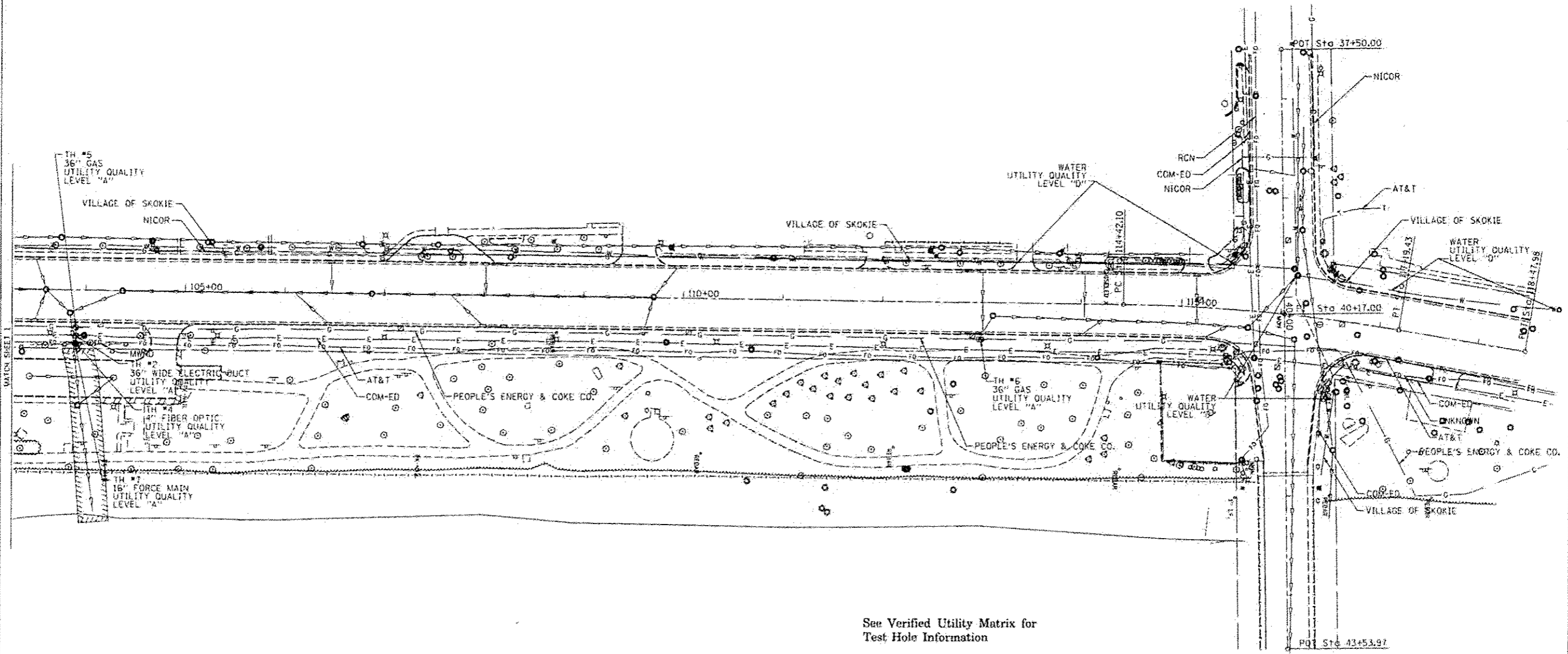
Utility Quality Level "A": Visually Verified Test Hole
 Utility Quality Level "B": Designating/non Visually Verified Test Hole
 Utility Quality Level "C": Research with Survey
 Utility Quality Level "D": Records Research

DESIGNED	CR	REVISED	
DRAWN	SRK	4/03/13	ADDED TEST HOLES *1-6
CHECKED	KFS	REVISED	
DATE	1/16/13	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

McCormick Blvd/Touhy Ave. to Howard St.
Lincolnwood/Skokie, Illinois

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0378	3738-1	Cook	28	15
Contract No. 80RRT				
FED. ROAD DIST. NO., ILLINOIS DIST. PROJECT NO.				



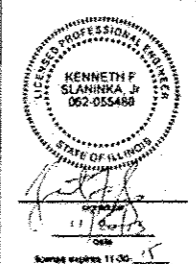
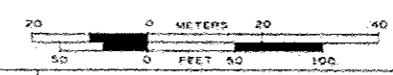
See Verified Utility Matrix for Test Hole Information

-----A-----A	AERIAL
-----CTV-----CTV	UNKNOWN CABLE TV
-----T-----T	TELEPHONE
-----G-----G	GAS
-----E-----E	ELECTRIC
-----W-----W	WATER
-----FO-----FO	FIBER OPTIC
-----FM-----FM	FORCE MAIN
○	TBE TEST HOLE

UTILITY OWNERS	
AT&T = FIBER OPTIC	
AT&T = TELEPHONE	
COM-ED = ELECTRIC	
NICOR = GAS	
PEOPLE'S ENERGY & COKE CO. = GAS	
MWRD = FORCE MAIN	
RCN = FIBER OPTIC	
VILLAGE OF LINCOLNWOOD = WATER	
VILLAGE OF SKOKIE = WATER	

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's QL "B" SUE field investigation was performed 12/14/12 through 1/11/13. Cardno TBE's QL "A" SUE field investigation was performed 3/01/13. Changes to utilities after 1/11/13 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



TBE Job No. IL0910514, 520, 528, 556
SUE Plan Page 2 of 2

Utility Quality Level "A": Visually Verified Test Hole
Utility Quality Level "B": Designating/non Visually Verified Test Hole
Utility Quality Level "C": Research with Survey
Utility Quality Level "D": Records Research

DESIGNED FR	REVISED
DRAWN SRK	4/03/13 ADDED TEST HOLES #1-6
CHECKED KFS	REVISED 11/19/13 ADDED TH #7
DATE 1/16/13	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

McCormick Blvd/Touhy Ave. to Howard St.
Lincolnwood/Skokie, Illinois

F.A.U. FILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0378	3738-1	Cook	28	16
Contract No. 60RBT				
FED. ROAD DIST. NO. [ILLINOIS] DIST. PROJECT NO.				

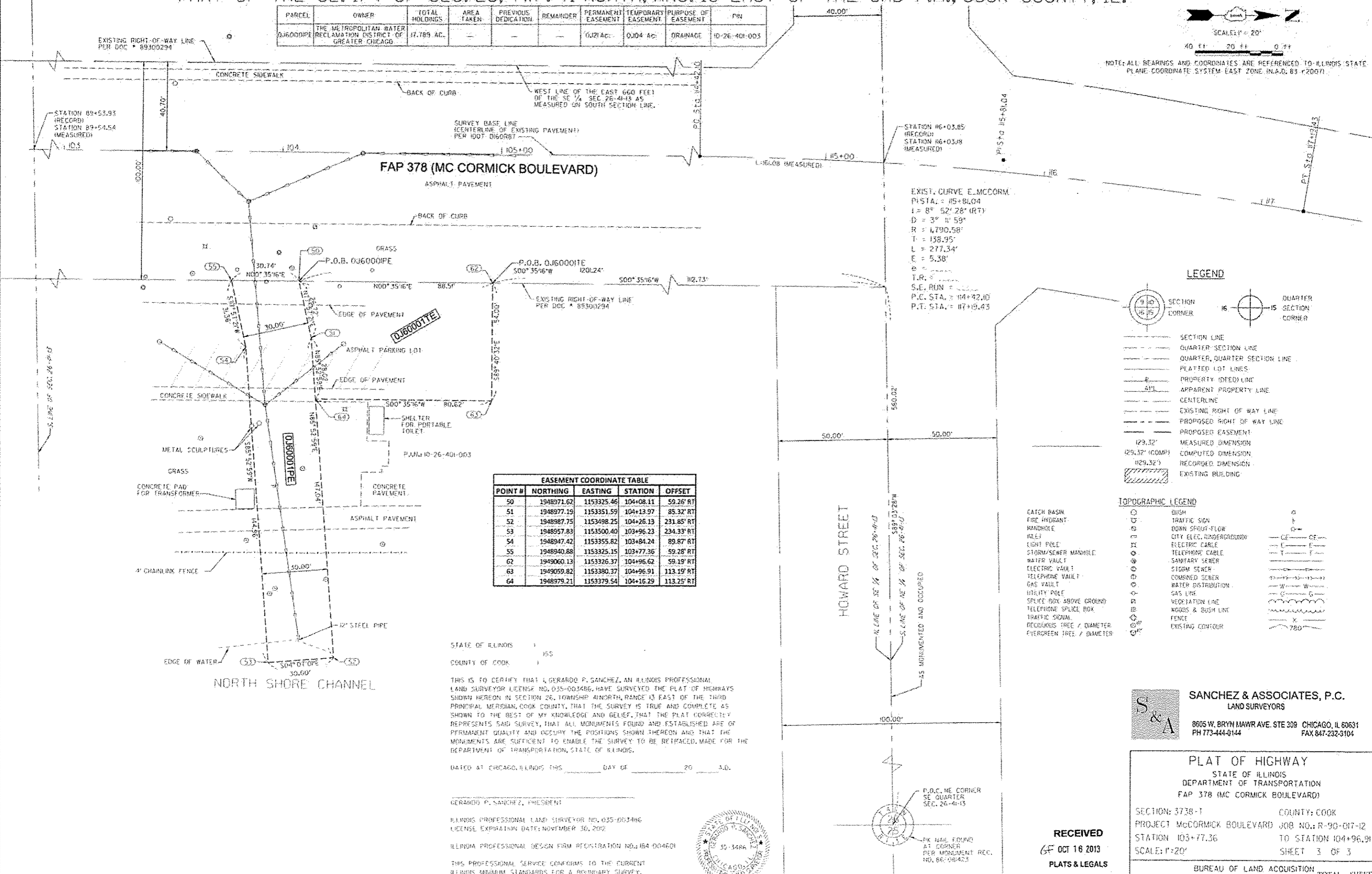
PART OF THE SE. 1/4 OF SEC. 26, TWP. 41 NORTH, RNG. 13 EAST OF THE 3RD P.M., COOK COUNTY, IL.

PARCEL	OWNER	TOTAL HOLDINGS	AREA TAKEN	PREVIOUS DEDICATION	REMAINDER	PERMANENT EASEMENT	TEMPORARY EASEMENT	PURPOSE OF EASEMENT	PN
0J60001PE	THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO	17,789 AC.				0J21 AC.	0J04 AC.	DRAINAGE	10-26-401-003



SCALE 1" = 20'
40 FT 20 FT 0 FT

NOTE: ALL BEARINGS AND COORDINATES ARE REFERENCED TO ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE (N.A.D. 83) (2007)



EXIST. CURVE E. MCCORM.
P.I. STA. = 15+84.04
L = 8° 52' 28" (RT)
D = 3° 11' 59"
R = 1,790.58'
T = 158.95'
L = 277.34'
E = 5.38'
e = ...
T.R. = ...
S.E. RUN = 104+42.10
P.C. STA. = 104+42.10
P.T. STA. = 117+19.43

LEGEND

- SECTION LINE
- QUARTER-SECTION LINE
- QUARTER, QUARTER-SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- 129.32' RECORDED DIMENSION
- EXISTING BUILDING

TOPOGRAPHIC LEGEND

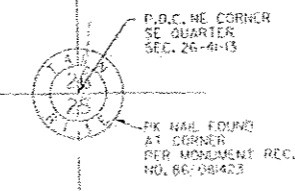
- CATCH BASIN
- FIRE HYDRANT
- MANHOLE
- DOWN SPOUT-FLOW
- POLE
- LIGHT POLE
- STORM/SEWER MANHOLE
- WATER VAULT
- ELECTRIC VAULT
- TELEPHONE VAULT
- SANITARY SEWER
- STORM SEWER
- COMBINED SEWER
- WATER DISTRIBUTION
- GAS VAULT
- UTILITY POLE
- SPLICE BOX ABOVE GROUND
- TELEPHONE SPLICE BOX
- TRAFFIC SIGNAL
- RECREATIONAL TREE / DIAMETER
- EVERGREEN TREE / DIAMETER
- BUSH
- TRAFFIC SIGN
- CITY ELEC. UNDERGROUND
- ELECTRIC CABLE
- TELEPHONE CABLE
- SANITARY SEWER
- STORM SEWER
- COMBINED SEWER
- WATER DISTRIBUTION
- GAS LINE
- VEGETATION LINE
- WOODS & BUSH LINE
- FENCE
- EXISTING CONTOUR

EASEMENT COORDINATE TABLE				
POINT #	NORTHING	EASTING	STATION	OFFSET
50	1948971.62	1153325.46	104+08.11	59.26' RT
51	1948977.19	1153351.59	104+13.97	85.32' RT
52	1948987.75	1153498.25	104+26.13	231.85' RT
53	1948957.83	1153500.40	103+96.23	234.33' RT
54	1948947.42	1153355.82	103+84.24	89.87' RT
55	1948940.88	1153325.15	103+77.36	59.28' RT
62	1949060.13	1153326.37	104+96.62	59.19' RT
63	1949059.82	1153380.37	104+96.91	113.19' RT
64	1948979.21	1153379.54	104+16.29	113.25' RT

STATE OF ILLINOIS)
COUNTY OF COOK)
THIS IS TO CERTIFY THAT GERARDO P. SANCHEZ, AN ILLINOIS PROFESSIONAL LAND SURVEYOR LICENSE NO. 035-003486, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 26, TOWNSHIP 41 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.

GERARDO P. SANCHEZ, PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003486
LICENSE EXPIRATION DATE: NOVEMBER 30, 2012
ILLINOIS PROFESSIONAL DESIGN FIRM REGISTRATION NO. 184-004601
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



RECEIVED

OCT 16 2013

PLATS & LEGALS

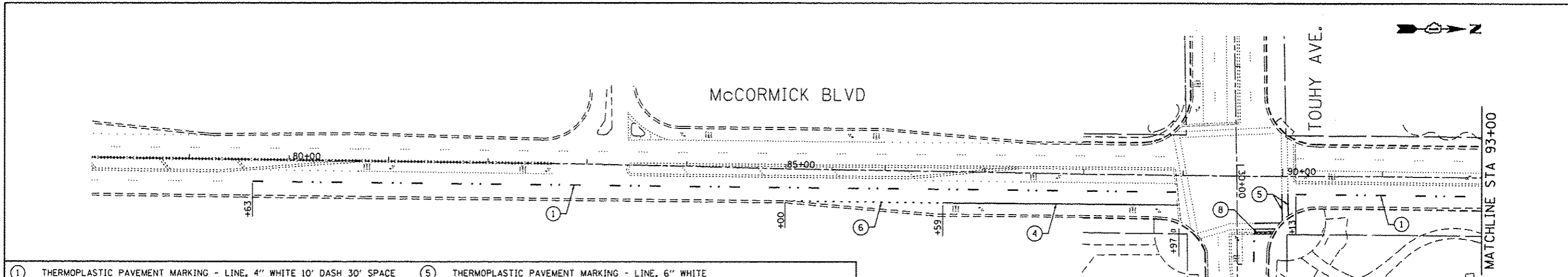
SANCHEZ & ASSOCIATES, P.C.
LAND SURVEYORS
8605 W. BRYN MAWR AVE. STE 309 CHICAGO, IL 60631
PH 773-444-0144 FAX 847-232-3104

PLAT OF HIGHWAY
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAP 378 (MC CORMICK BOULEVARD)
SECTION: 3738-1 COUNTY: COOK
PROJECT MCCORMICK BOULEVARD JOB NO.: R-90-017-12
STATION 103+77.36 TO STATION 104+96.91
SCALE: 1"=20' SHEET 3 OF 3
BUREAU OF LAND ACQUISITION TOTAL SHEET
201WEST CENTER COURT SHEETS NO.
SCHAUMBURG, ILLINOIS 60196 28 18

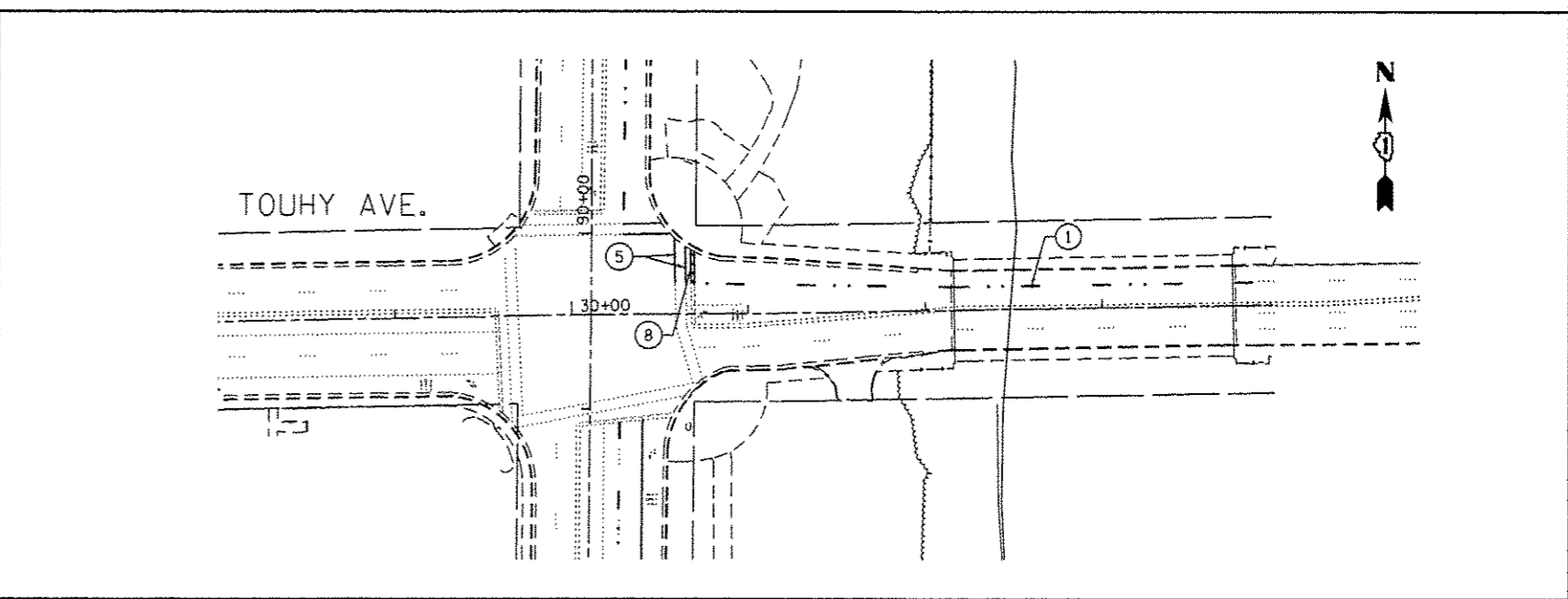
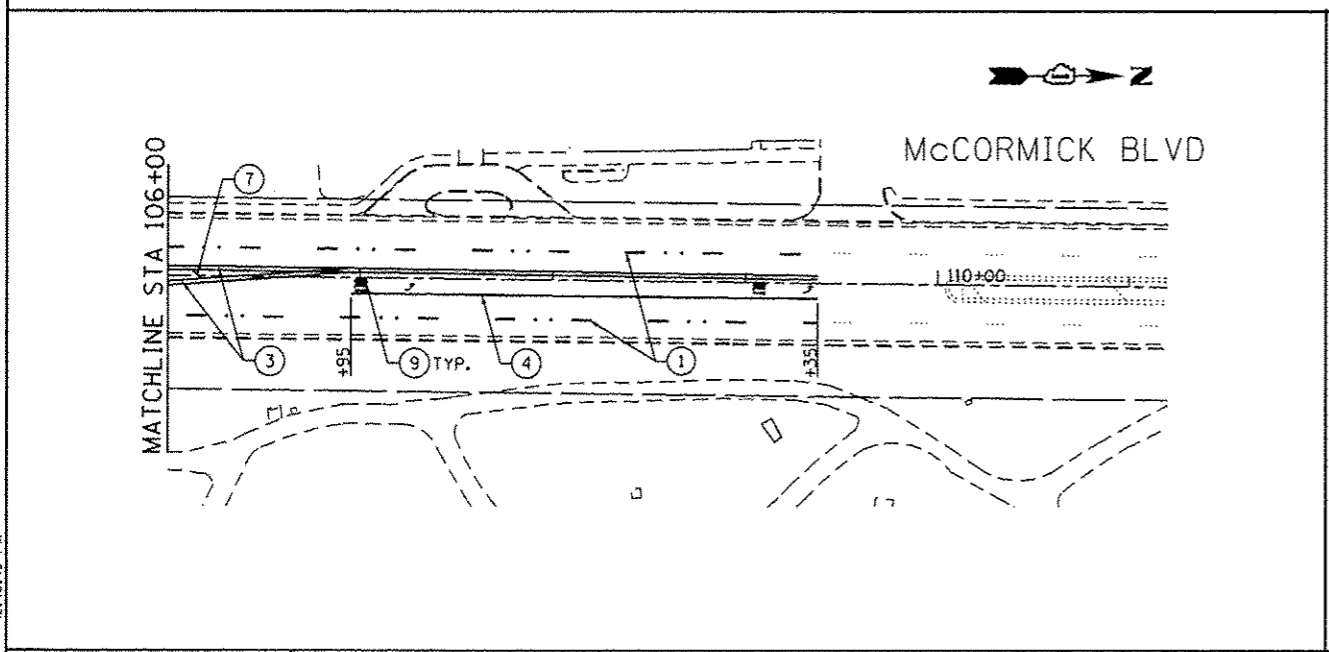
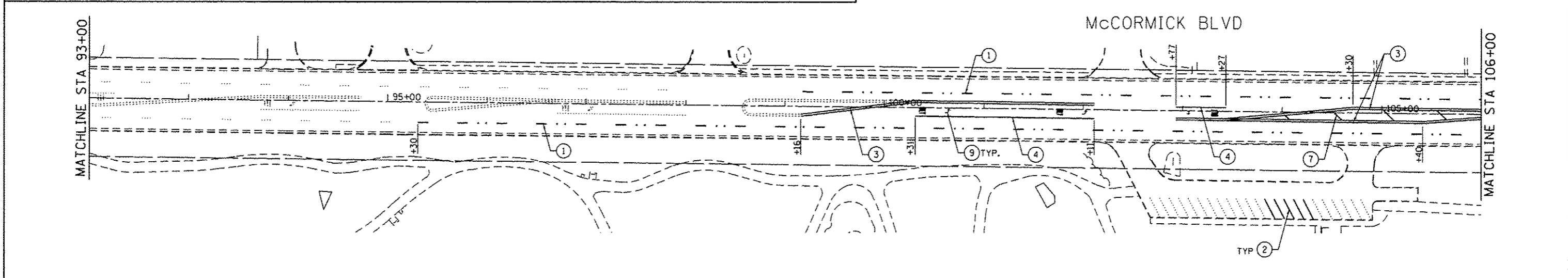
MC CORMICK BOULEVARD

COOK COUNTY

REVISION DATE: 1-17-12 1-20-12 8-28-12 9-24-12 10-10-13 REVISION: PER COMMENTS. MADE BY: SANCHEZ AND ASSOCIATES, P.C.



- | | |
|---|---|
| ① THERMOPLASTIC PAVEMENT MARKING - LINE, 4" WHITE 10' DASH 30' SPACE WITH RAISED REFLECTIVE PAVEMENT MARKERS, 2 @ 80' C-C | ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE, 6" WHITE |
| ② THERMOPLASTIC PAVEMENT MARKING - LINE, 4" YELLOW | ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE, 6" WHITE 2' DASH 6' SPACE |
| ③ THERMOPLASTIC PAVEMENT MARKING - LINE, 4" YELLOW 2 @ 11" C-C WITH RAISED REFLECTIVE PAVEMENT MARKERS, 2 @ 40' C-C | ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE, 12" YELLOW @ 45° @ 75' C-C (MIN 5) |
| ④ THERMOPLASTIC PAVEMENT MARKING - LINE, 6" WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS @ 40' C-C (MIN 4) | ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE, 24" WHITE STOP BAR |
| | ⑨ THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS |



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 FILES

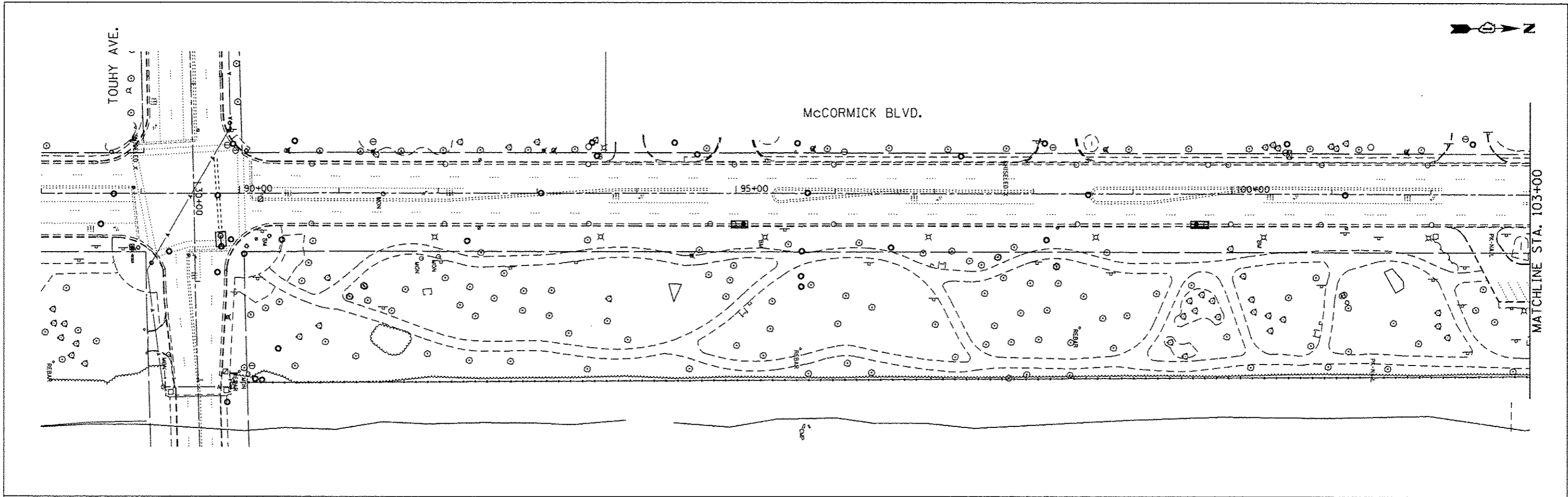
GRAF 8501 W. Higgins Road Suite 280 Chicago, Illinois 60631 (773) 399-0112	USER NAME - 1485	DESIGNED - RS	REVISED -
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	PLOT DATE - 12/11/2013	CHECKED - RS	REVISED -
		DATE - 12/17/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

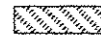
McCORMICK BLVD - HOWARD STREET TO TOUHY AVENUE
PAVEMENT MARKING PLAN

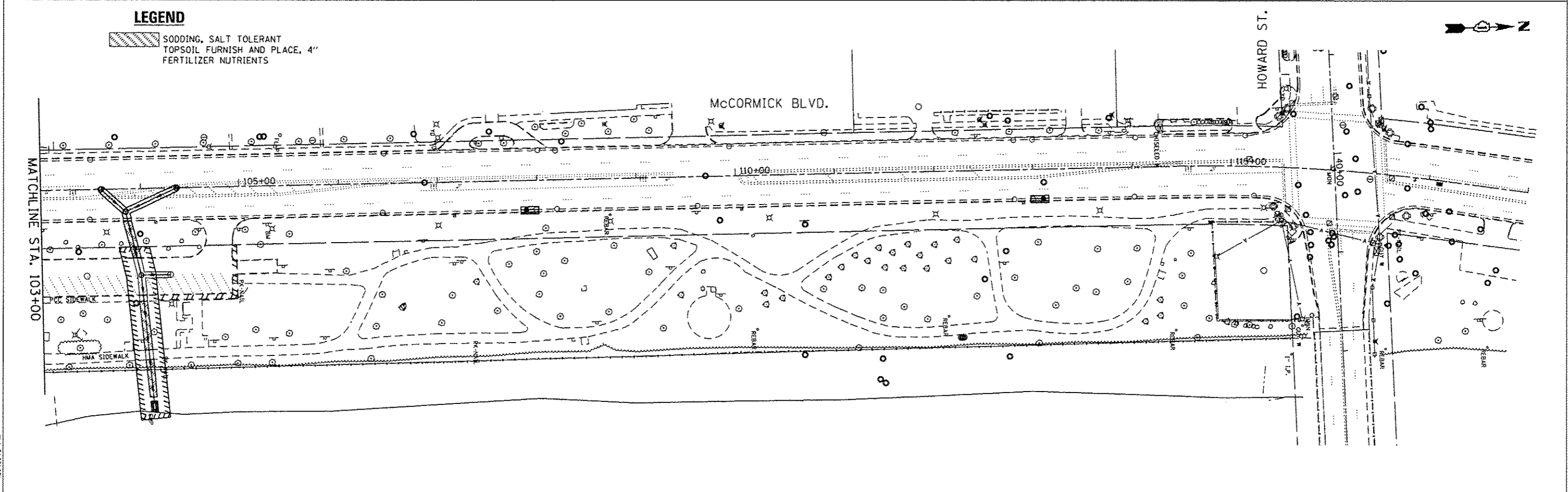
SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.J. RTE. 0378	SECTION 3738-T	COUNTY COOK	TOTAL SHEETS 28	SHEET NO. 19
CONTRACT NO. 60R07				
ILLINOIS FED. AID PROJECT				



LEGEND

-  SODDING, SALT TOLERANT TOPSOIL FURNISH AND PLACE, 4" FERTILIZER NUTRIENTS



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 Chicago, Illinois 60631
 (773) 399-0112

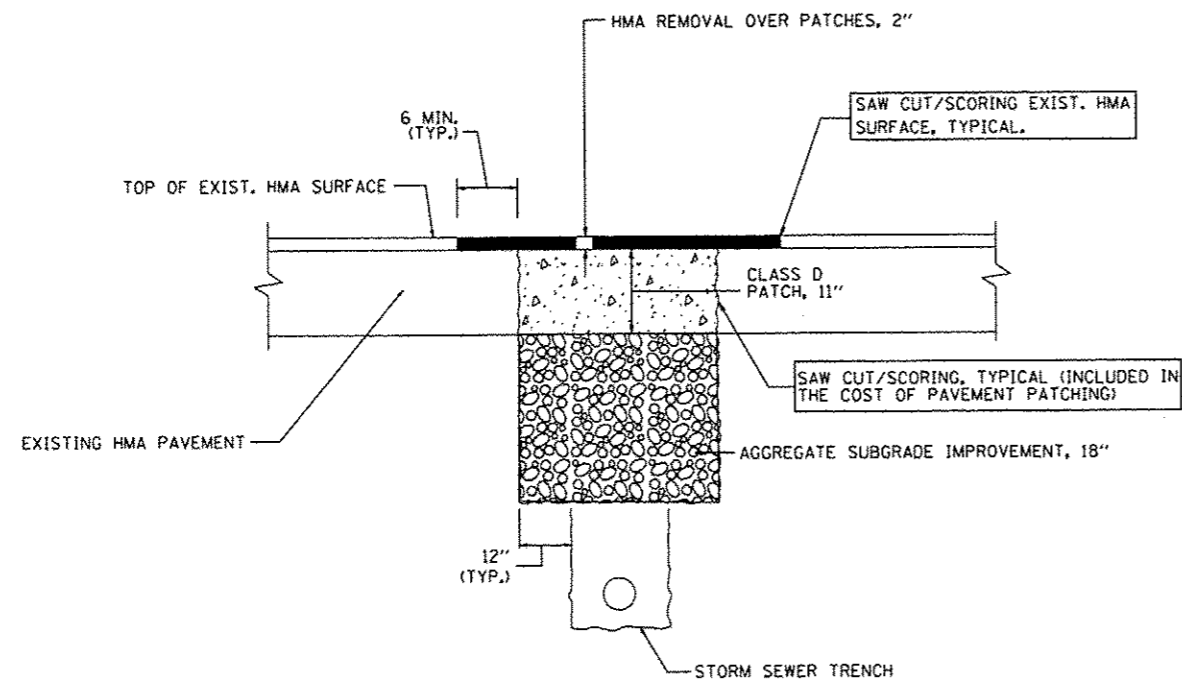
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PLOT DATE = 12/11/2013	CHECKED - RS	REVISED -
	DATE - 12/17/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

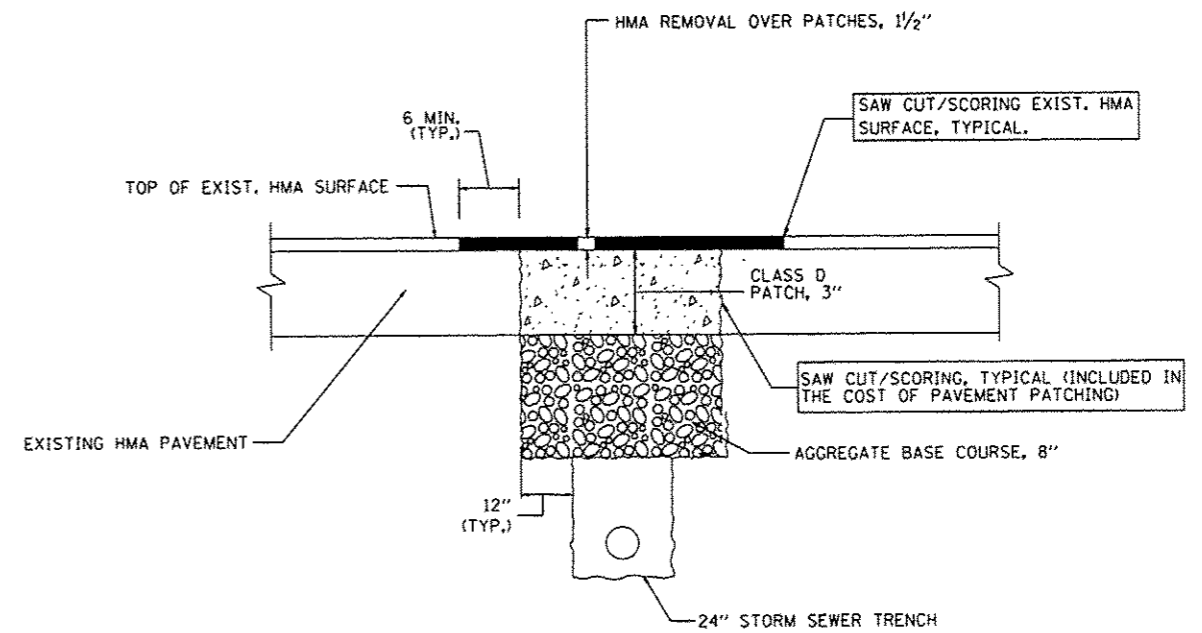
McCORMICK BLVD - HOWARD STREET TO TOUHY AVE
LANDSCAPING PLAN

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 88+00 TO STA. 118+00

F.A.U. RTE. 0378	SECTION 3738-T	COUNTY COOK	TOTAL SHEETS 28	SHEET NO. 20
CONTRACT NO. 60R87				
ILLINOIS FED. AID PROJECT				



PAVEMENT PATCHING
McCORMICK BLVD.
TOUHY AVE.



PAVEMENT PATCHING
PARKING LOT & HMA SIDEWALK

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

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12/17/2013

GRÄEF 8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

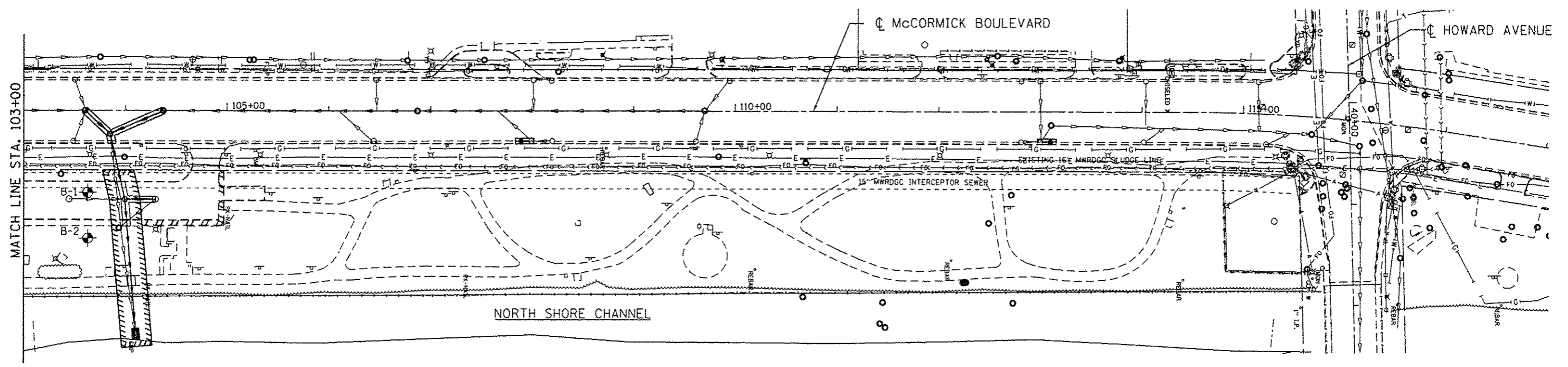
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PLOT DATE > 12/11/2013	DATE - 12/17/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**McCORMICK BLVD - HOWARD STREET TO TOUHY AVENUE
PATCHING DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0378	373B-Y	COOK	28	21
CONTRACT NO. 60R87			ILLINOIS FED. AID PROJECT	



Page: 1 of 1

Geo Services, Inc.
 Geotechnical, Environmental & Civil Engineering
 805 Arden Court, Suite 204
 Naperville, Illinois 60563
 (630) 355-2838

STRUCTURE FOUNDATION BORING LOG

Project: PTB 158-009, WO# 48 McCormick Blvd Drainage Improvements GSI Job No.: 13144
 Location: 1200' +/- South of McCormick Blvd and Howard St., Skokie, IL Date: 09/26/2013
 County: Cook Bored By: EJ
 Client: GRAEF Checked By: AJP

BORING No.: **B-1**
 Station: ---
 Offset: ---
 Ground Surface Elevation: --- (ft) / 0' (tsf) (k)

Description	Depth (ft)	SPT (blows)	U (tsf)	M (tsf)	Surface Water Elev.:		D (ft)	B (ft)	U (ft)	M (ft)
					W	E				
3.0' ASPHALT, 9.0" CRUSHED STONE	0									
CLAY LOAM—dark brown, gray & black—very stiff (Fill)	3		118							
	12	3,898	15							
	4		119							
CLAY LOAM—gray—stiff to very stiff	5	3,68	18							
	3		118							
	4	1,58	18							
	2		108							
	2		107							
CLAY—gray—stiff to very stiff	10	1,258	26							
	4		108							
	5	2,658	19							
	2		108							
	3		108							
	4	1,08	24							
	1		108							
CLAY—gray—very soft to soft	1	0,258	22							
	1		102							
	0		102							
End Of Boring @ -20.0'. Hollow Stem Augers CME Automatic Hammer	20	0,188	24							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (U)—Blow, S—Strain, P—Penetration, ST—Shelby Tube Sample, V—Vane Shear Test.
 The SPT (blows) is the sum of the last two blow values in each sampling zone (ASTM 1206). The Unit Dry Weight (UDW) is noted in kips above moist (k) or No Recovery.

Page: 1 of 1

Geo Services, Inc.
 Geotechnical, Environmental & Civil Engineering
 805 Arden Court, Suite 204
 Naperville, Illinois 60563
 (630) 355-2838

STRUCTURE FOUNDATION BORING LOG

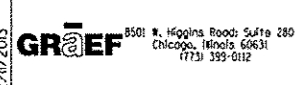
Project: PTB 158-009, WO# 48 McCormick Blvd Drainage Improvements GSI Job No.: 13144
 Location: 1200' +/- South of McCormick Blvd and Howard St., Skokie, IL Date: 09/26/2013
 County: Cook Bored By: EJ
 Client: GRAEF Checked By: AJP

BORING No.: **B-2**
 Station: ---
 Offset: ---
 Ground Surface Elevation: --- (ft) / 0' (tsf) (k)

Description	Depth (ft)	SPT (blows)	U (tsf)	M (tsf)	Surface Water Elev.:		D (ft)	B (ft)	U (ft)	M (ft)
					W	E				
4.0' SANDY TOPSOIL	0									
	28									
	32		5							
SAND, GRAVEL, STONE & CONCRETE—dense to very dense (Fill)	28									
	50/5		5							
	5									
SILTY CLAY—dark gray—stiff	4		21							
	8		21							
	4	1,28	21							
	3		107							
	5		107							
CLAY to CLAY LOAM—brown & gray—very stiff to hard	10	1,278	20							
	5		118							
	5	5,218	18							
	8		18							
	3		108							
	3		108							
	5	1,58	22							
	15		22							
	2		118							
CLAY—gray—medium stiff to stiff	2		118							
	3	0,88	15							
	2		108							
	2		108							
End Of Boring @ -20.0'. Hollow Stem Augers CME Automatic Hammer	20	0,28	20							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (U)—Blow, S—Strain, P—Penetration, ST—Shelby Tube Sample, V—Vane Shear Test.
 The SPT (blows) is the sum of the last two blow values in each sampling zone (ASTM 1206). The Unit Dry Weight (UDW) is noted in kips above moist (k) or No Recovery.

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	DATE - 12/17/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**McCORMICK BLVD - HOWARD STREET TO TOUHY AVENUE
SOIL BORING SITE PLAN AND LOGS**

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 103+00 TO STA. 116+00

F.A.U. R.T.E. 0378	SECTION 3738-T	COUNTY COOK	TOTAL SHEETS 28	SHEET NO. 22
CONTRACT NO. 60R87				
ILLINOIS FED. AID PROJECT				

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

1/4" (5) **

18" (450) MAX.

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

T/2 *

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

* 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.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

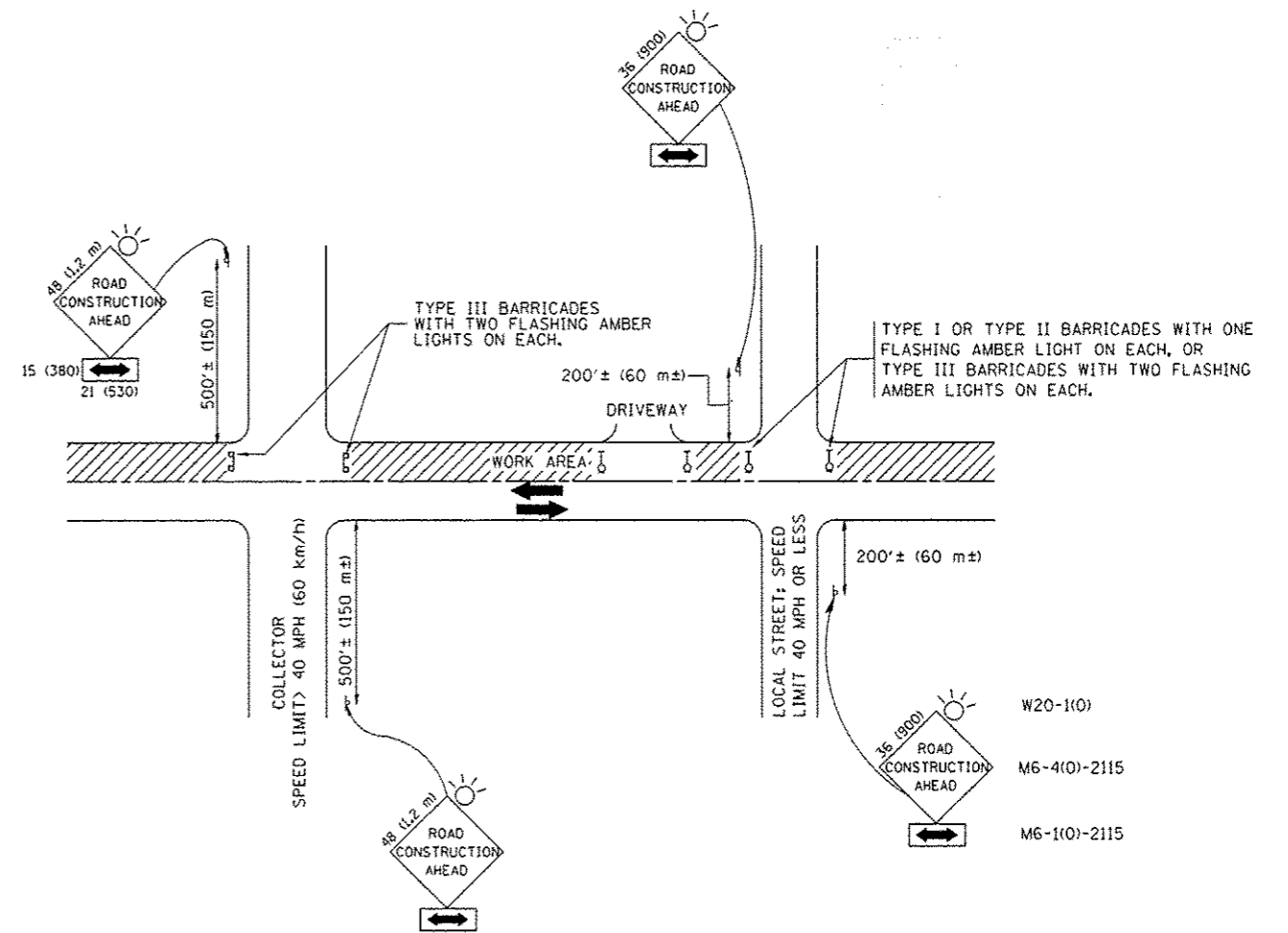
BASIS OF PAYMENT:

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME	PROJECT NAME	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-05-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	F.A.U. RTE. 0378	SECTION 3738-T	COUNTY COOK	TOTAL SHEETS 28	SHEET NO. 23	
DATE	CHECKED	DATE 03-11-94	REVISED - M. GOMEZ 01-22-01			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		
DESIGNED	CHECKED	DATE	REVISED - R. BORO 12-15-09					BD600-06 (BD-24)		CONTRACT NO. 60R87	
DRAWN	CHECKED	DATE	REVISED - A. ABBAS 03-21-97								



W20-1(0)
M6-4(0)-2115
M6-1(0)-2115

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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - 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.

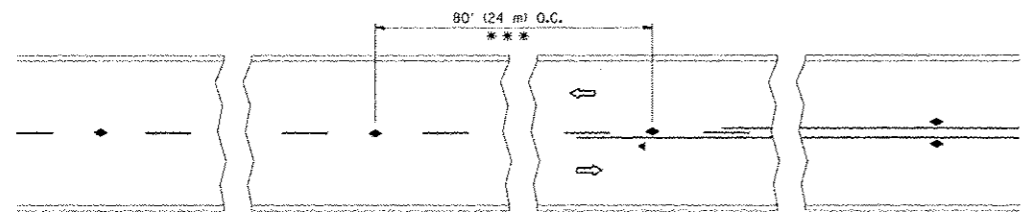
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		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50.0000 "/ IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/1/2000	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

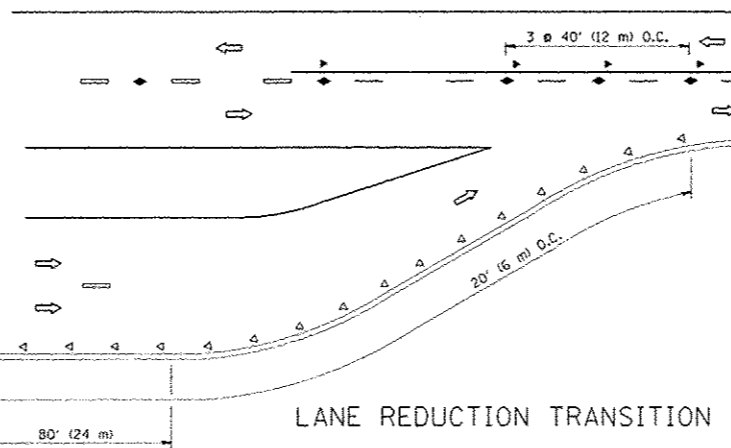
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.J. RTE. 0378	SECTION 3738-T	COUNTY COOK	TOTAL SHEETS 28	SHEET NO. 24
TC-10			CONTRACT NO. 60R87	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

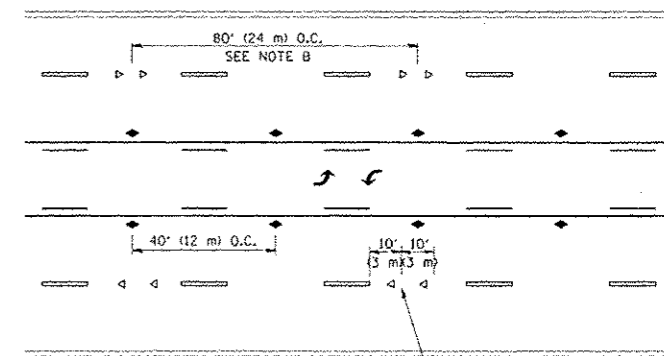


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

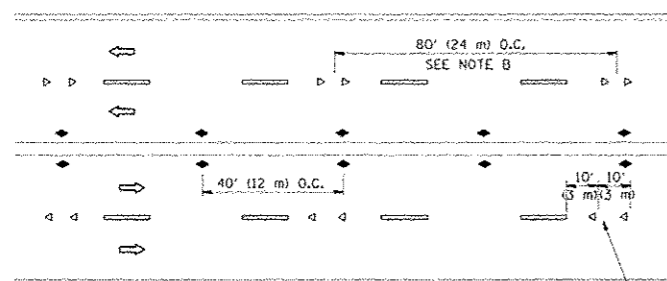
TWO-LANE/TWO-WAY



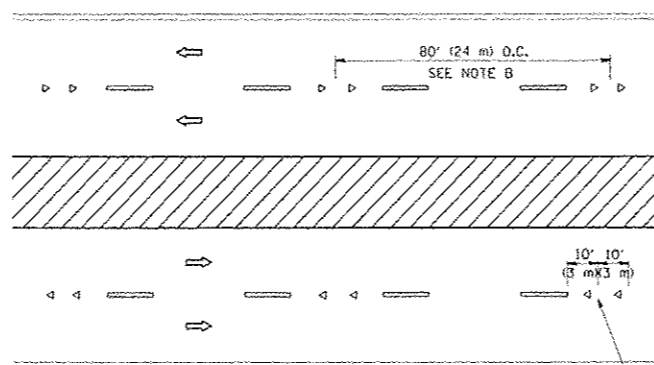
LANE REDUCTION TRANSITION



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.

SYMBOLS

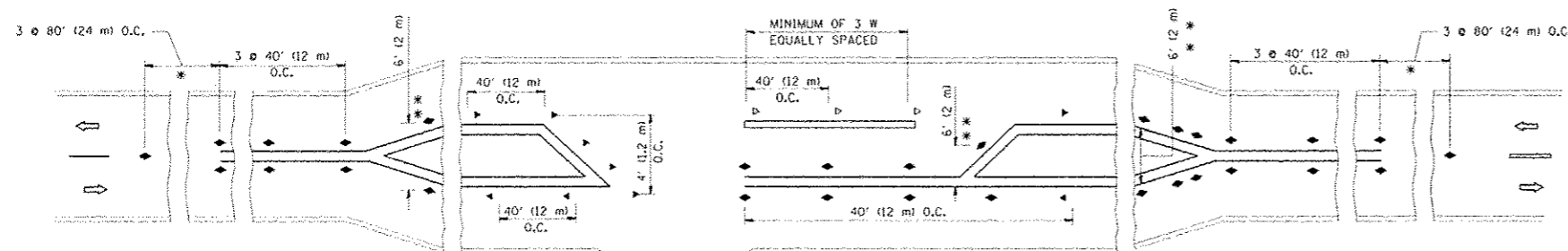
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.

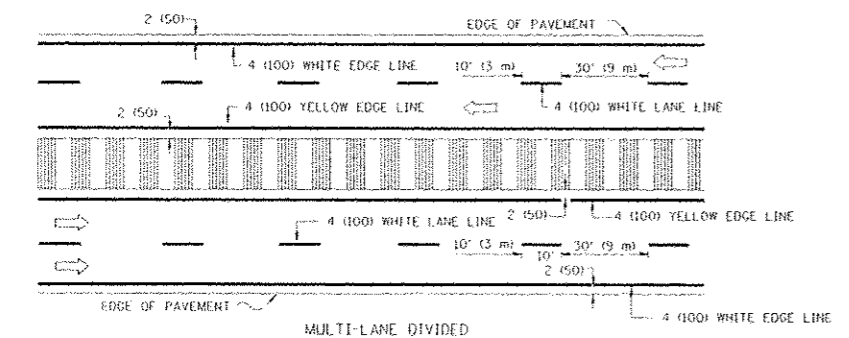
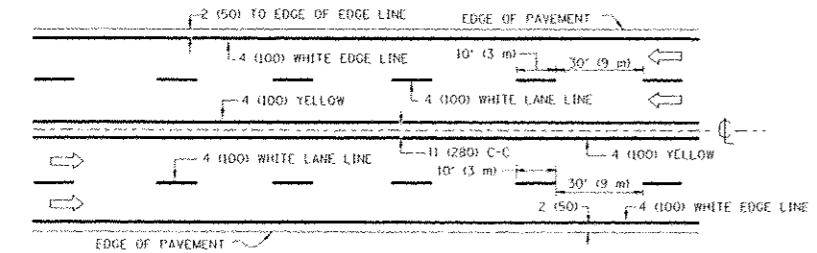
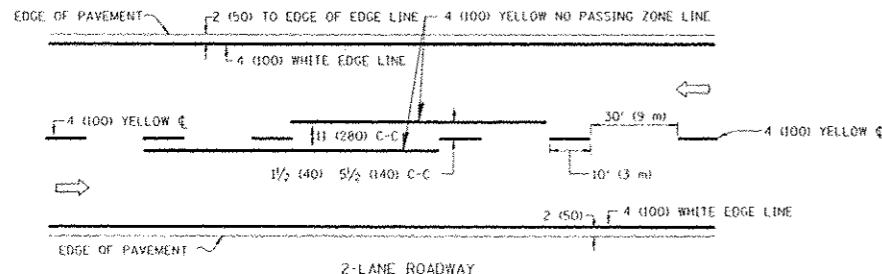


LEFT TURN

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

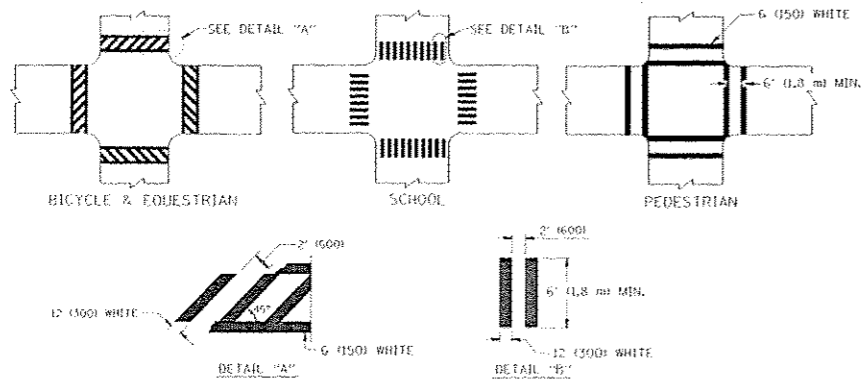
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME: C:\pwworkspace\Autodesk\Projects\1111111111\1111111111.dwg USER NAME: T. RAMMACHER PLOT SCALE: 1/8"=1'-0" PLOT DATE: 3/2/2001	DESIGNED: T. RAMMACHER 09-19-94 DRAWN: T. RAMMACHER 03-12-99 CHECKED: T. RAMMACHER 01-06-00 DATE: 09-09-09	REVISED: T. RAMMACHER 09-19-94 REVISED: T. RAMMACHER 03-12-99 REVISED: T. RAMMACHER 01-06-00 REVISED: C. JUCIUS 09-09-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)		F.A.U. RTE. 0378 SECTION 3738-T COUNTY COOK TOTAL SHEETS 28 SHEET NO. 25
	SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.			FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT CONTRACT NO. 60R87		

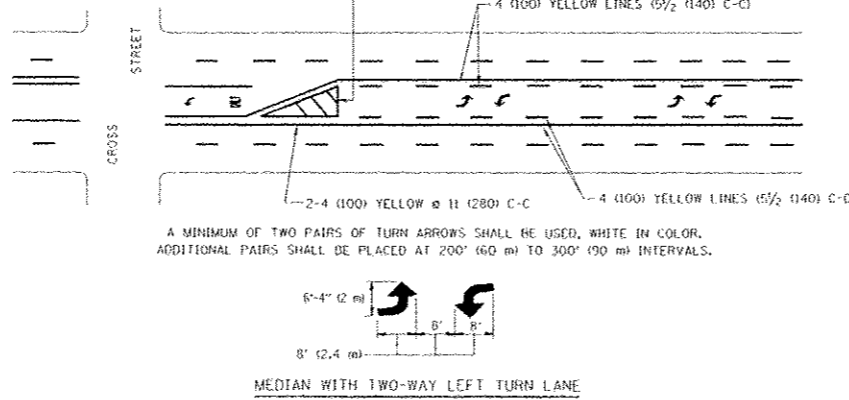
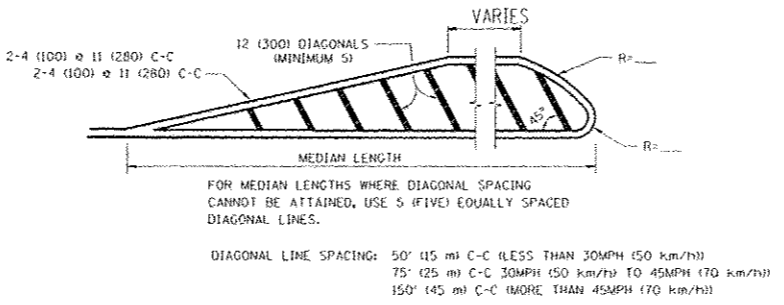
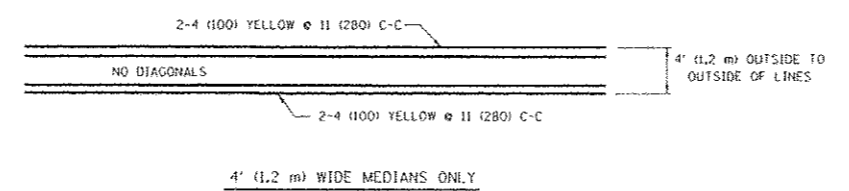


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

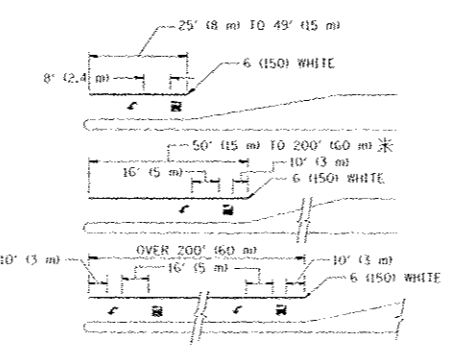
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

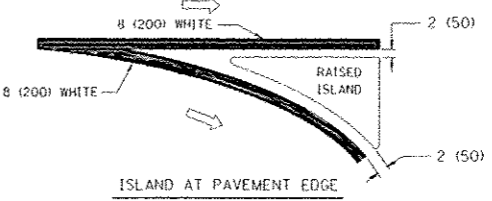
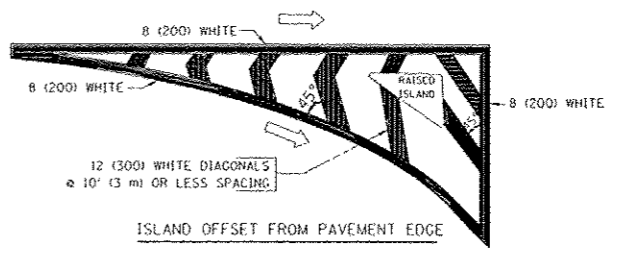


TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 * 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 TURN LANE MARKING

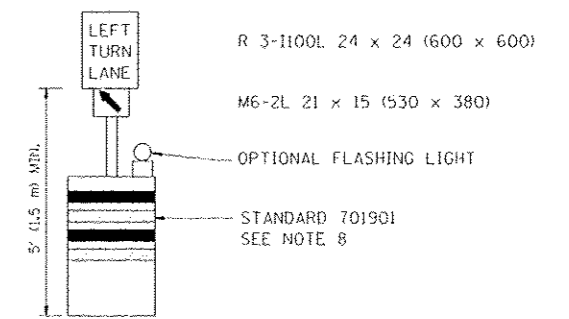
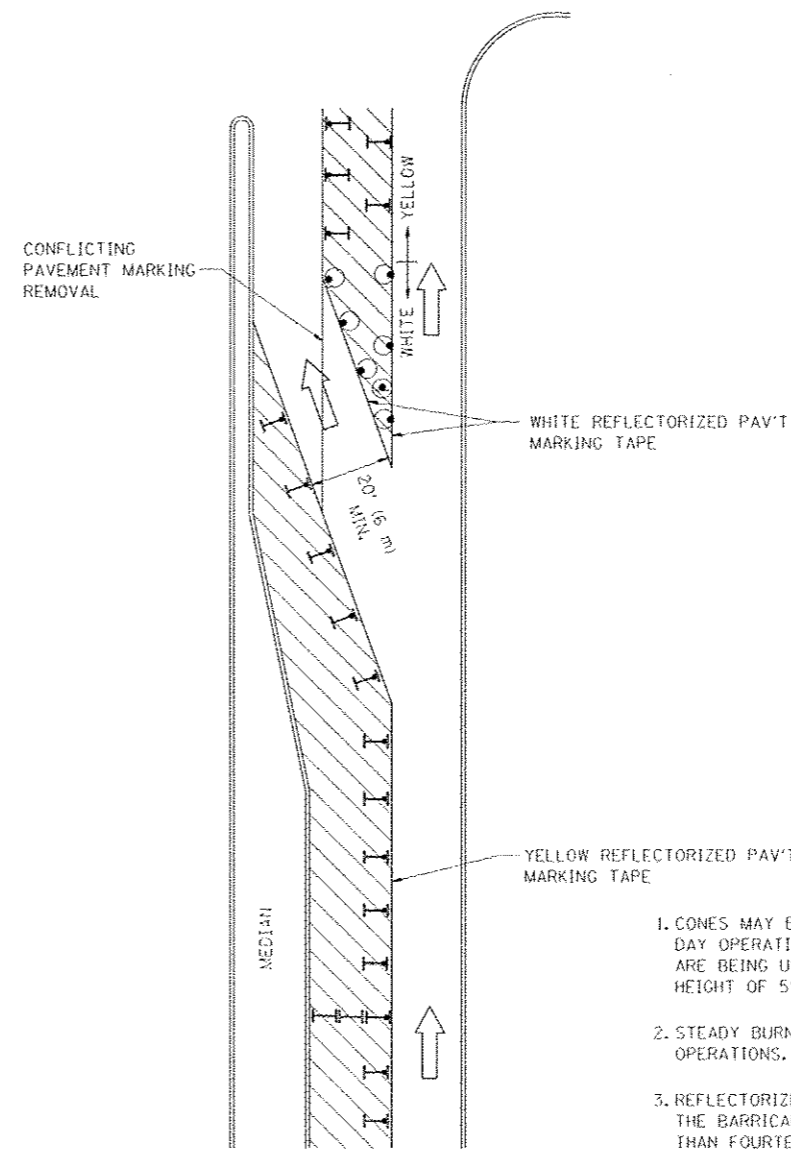


TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION	4 (100)	SOLID	YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE
NO PASSING ZONE LINES: FOR BOTH DIRECTIONS	2 @ 4 (100)	SOLID	YELLOW	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 MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4 m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	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
	8' (2.4 m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN A. DIAGONALS (BIKE & EQUESTRIAN B. LONGITUDINAL BARS (SCHOOL))	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45°	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15' (4.5 m) @ 1.8 m AREA OF: "RR" 3.6 SQ. FT. (0.33 m²) EACH "X" 54.0 SQ. FT. (5.0 m²)	SOLID	WHITE	SEE STATE STANDARD TR80001
SHOULDER DIAGONALS	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))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD TR80001.

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

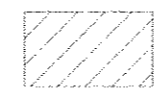







GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 PREQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

LEGEND

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

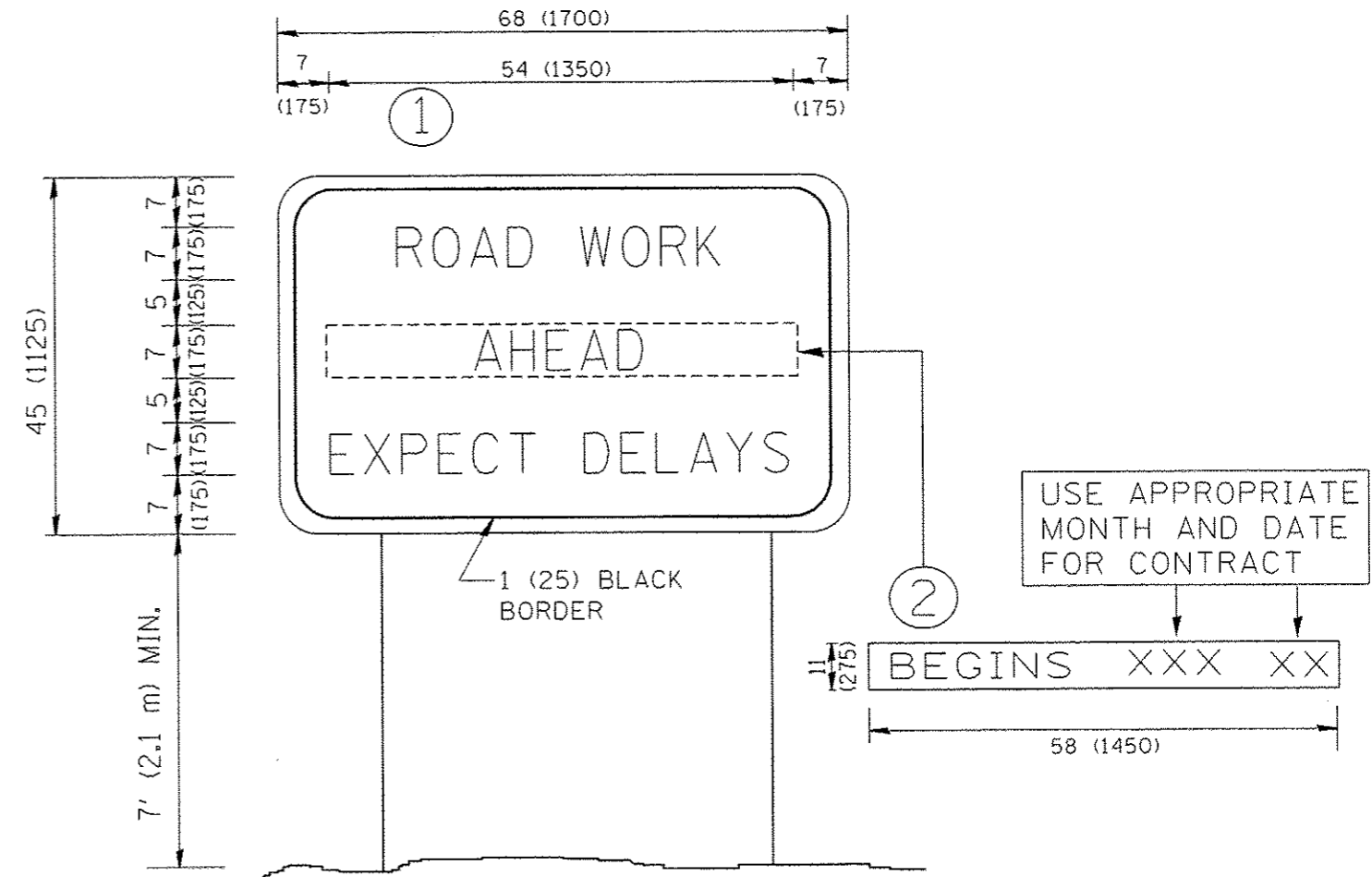
FILE NAME :	PROJECT NAME :	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
DATE :	DRAWN BY :	REVISED - A. HOUSCH 11-07-95	REVISED -
PROJECT SCALE :	PROJECT DATE :	REVISED - A. HOUSCH 10-12-96	REVISED -
		REVISED - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

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

F.A.D. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0378	3738-T	COOK	28	27
TC-14			CONTRACT NO. 60R87	
FED. ROAD DIST. NO. 1 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.

FILE NAME : W:\dats\d\22x34\1c22.dgn	USER NAME : goglianobt	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN		F.A.U. RTE. 0378	SECTION 3738-T	COUNTY COOK	TOTAL SHEETS 28	SHEET NO. 28	
	PLOT SCALE = 60,000 / IN.	DRAWN -	REVISED - R. MIRS 12-11-97		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	TC-22		CONTRACT NO. 60R87	
	PLOT DATE = 1/4/2000	CHECKED -	REVISED - T. RAMMACHER 02-02-99		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
		DATE -	REVISED - C. JUCIUS 01-31-07									