

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PLANS FOR PROPOSED FEDERAL AID PROJECT

04-26-13 LETTING ITEM 175

F.A.U. RTE. 4006	SECTION 95-00049-00-PV	COUNTY KANE	TOTAL SHEETS 138	SHEET NO. 1
STA. 111+65		TO STA. 180+41		
FED. ROAD DIST. NO. 1	ILLINOIS C-91-399-01	FED AID PROJECT TE-M-8003 (095)		
CONTRACT NO. 63745				

FAU 4006 (MAPLE AVENUE)
FAU 4005 (WASHINGTON STREET) TO
FAU 4006 (L.W. BESINGER DRIVE)
SECTION 95-00049-00-PV
PROJECT: TE-M-8003 (095)
ROADWAY RECONSTRUCTION
VILLAGE OF CARPENTERSVILLE
KANE COUNTY
JOB NO.: C-91-399-01

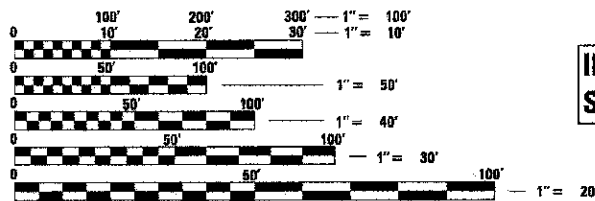
LOCATION MAP
(NOT TO SCALE)

IMPROVEMENTS END
STA 180+41

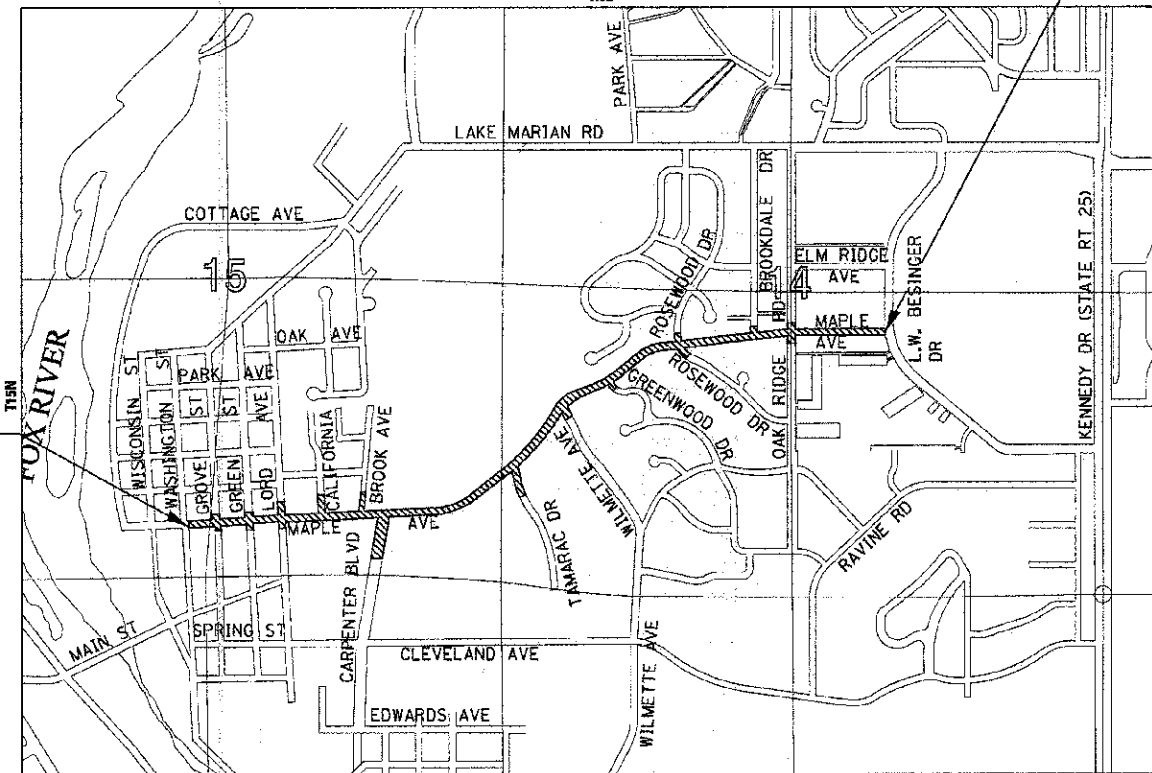
TRAFFIC DATA

MAPLE AVENUE - URBAN COLLECTOR
2040 ADT = 9,000
POSTED SPEED LIMIT = 25 MPH
(BETWEEN WASHINGTON STREET AND LORD AVENUE)
POSTED SPEED LIMIT = 20 MPH
(BETWEEN LORD AVENUE AND CARPENTER BOULEVARD)
POSTED SPEED LIMIT = 30 MPH
(BETWEEN CARPENTER BOULEVARD AND L.W. BESINGER DRIVE)
DESIGN SPEED = 30 MPH

BAXTER & WOODMAN, INC
STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2013

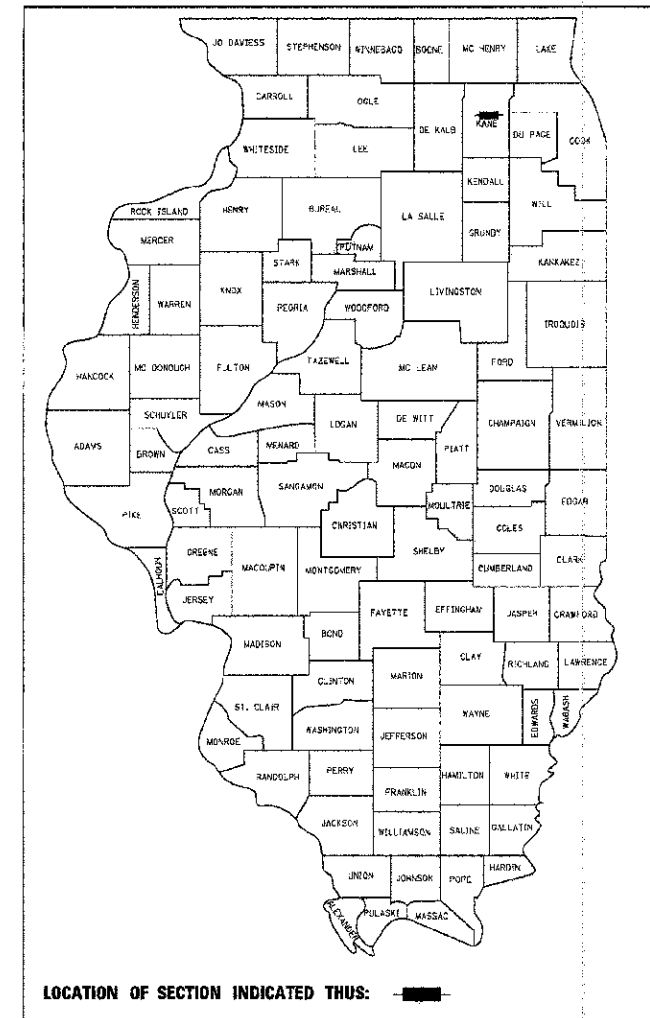


IMPROVEMENTS BEGIN
STA 111+65



SECTION 14 & 15, T42N, R8E, OF THE THIRD PRINCIPAL MERIDIAN

DUNDEE TOWNSHIP
GROSS LENGTH OF IMPROVEMENT = 6,876 LF OR 1.30 MILES
NET LENGTH OF IMPROVEMENT = 6,876 LF OR 1.30 MILES



LOCATION OF SECTION INDICATED THIS: [Symbol]

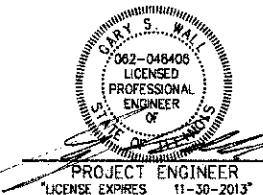
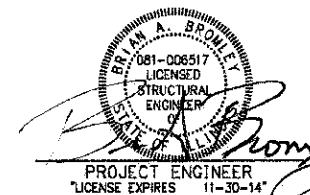
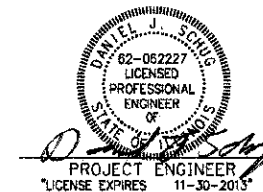
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E. DESIGN STAGE REQUEST
DIG. No. A0751042



CONTACT JULIE AT 811 OR 800-892-0123
WITH THE FOLLOWING:
COUNTY = KANE
CITY-TOWNSHIP = E DUNDEE
SEC. & 1/4 SEC. NO. = 14 & 15 T42N, R8E
48 HOURS (2 working days) BEFORE YOU DIG

CONTRACT NO. 63745



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	
APPROVED	DECEMBER 11, 2012 ED SZYDLOWSKI VILLAGE OF CARPENTERSVILLE
PASSED	DECEMBER 31, 2012 C. Holt LOCAL ROADS ENGINEER
RELEASING FOR BID BASED ON LIMITED REVIEW	JANUARY 21, 2013 [Signature] DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

B&W PROJECT NO.: 110994.40

DRAWN BY: J. WOODMAN, INC. DATE: 12/11/12
 CHECKED BY: J. WOODMAN, INC. DATE: 12/11/12
 LICENSE NO. 184-001121 - EXPIRES 4/30/2013
 PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, PE (847) 705-4406

SUMMARY OF QUANTITIES

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
				ROADWAY 0003		SAFETY 0021	NON PARTICIPATING
				STU	STE	STU	
* 20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	262	-	262	-	-
* 20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	267	-	267	-	-
* 20101100	TREE TRUNK PROTECTION	EACH	70	70	-	-	-
* 20101200	TREE ROOT PRUNING	EACH	70	36	32	-	-
* 20101400	NITROGEN FERTILIZER NUTRIENT	POUND	396	396	-	-	-
* 20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	396	396	-	-	-
* 20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	396	396	-	-	-
20200100	EARTH EXCAVATION	CU YD	16,223	15,239	984	-	-
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	8,923	8,274	649	-	-
20300100	CHANNEL EXCAVATION	CU YD	780	780	-	-	-
20800150	TRENCH BACKFILL	CU YD	4,423	4,423	-	-	-
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	30,085	30,085	-	-	-
* 21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	22,689	22,689	-	-	-
* 25000110	SEEDING, CLASS 1A	ACRE	4.4	4.4	-	-	-
* 25000312	SEEDING, CLASS 4A	ACRE	0.4	0.4	-	-	-
* 25000314	SEEDING, CLASS 4B	ACRE	0.4	0.4	-	-	-
* 25000324	SEEDING, CLASS 5B	ACRE	0.4	0.4	-	-	-
* 25100115	MULCH, METHOD 2	ACRE	4.8	4.8	-	-	-
* 25100630	EROSION CONTROL BLANKET	SQ YD	22,689	22,689	-	-	-
* 25200200	SUPPLEMENTAL WATERING	UNIT	70	70	-	-	-
* 28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	480	480	-	-	-
28000305	TEMPORARY DITCH CHECKS	FOOT	510	510	-	-	-
28000400	PERIMETER EROSION BARRIER	FOOT	7,126	7,126	-	-	-
28000510	INLET FILTERS	EACH	122	122	-	-	-
28100107	STONE RIPRAP, CLASS A4	SQ YD	448	448	-	-	-
28200200	FILTER FABRIC	SQ YD	448	448	-	-	-
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	6,604	6,604	-	-	-
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	30,085	30,085	-	-	-
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	3,882	3,882	-	-	-
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	5,571	-	5,571	-	-
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	83	62	21	-	-
40600300	AGGREGATE (PRIME COAT)	TON	160	137	23	-	-
40600895	CONSTRUCTING TEST STRIP	EACH	1	1	-	-	-

* INDICATES SPECIALTY ITEM

CONTRACT NO. 95-00049-00-PV SECTION 0003
 COUNTY KANE
 PROJECT M-6003 (095)
 DATE 06/20/12
 FILE 110994-SQTY.sht
 DESIGNED - DJS
 DRAWN - UKS
 CHECKED - RWL
 DATE 06/20/12
 REVISED - PER IDOT 10/19/12
 REVISED - PER ACOE 3/14/13
 REVISED -
 FILE 110994-SQTY.sht
 WOODMAN CONSULTING ENGINEERS
 3157203
 830534 AM



DESIGNED - DJS	REVISED - PER IDOT 10/19/12
DRAWN - UKS	REVISED - PER ACOE 3/14/13
CHECKED - RWL	REVISED -
DATE - 06/20/12	FILE - 110994-SQTY.sht

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4006	95-00049-00-PV	KANE	138	3
CONTRACT NO. 63745				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-6003 (095)				

SUMMARY OF QUANTITIES

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
				ROADWAY		SAFETY	NON PARTICIPATING
				0003		0021	
STU	STE	STU					
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	722	-	722	-	-
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	482	-	482	-	-
40701871	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 1/2"	SQ YD	22,456	22,456	-	-	-
42000211	PORTLAND CEMENT CONCRETE PAVEMENT 7 1/2" (JOINTED)	SQ YD	2,385	2,385	-	-	-
42001300	PROTECTIVE COAT	SQ YD	11,336	11,336	-	-	-
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	668	668	-	-	-
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	1,495	1,495	-	-	-
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	14,413	14,413	-	-	-
42400800	DETECTABLE WARNINGS	SQ FT	620	290	330	-	-
44000100	PAVEMENT REMOVAL	SQ YD	29,586	29,586	-	-	-
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	2,426	2,426	-	-	-
44000300	CURB REMOVAL	FOOT	77	77	-	-	-
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	4,748	4,748	-	-	-
44000600	SIDEWALK REMOVAL	SQ FT	15,628	10,802	4,826	-	-
44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	42	42	-	-	-
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1	1	-	-	-
50105220	PIPE CULVERT REMOVAL	FOOT	597	597	-	-	-
50300225	CONCRETE STRUCTURES	CU YD	179.2	179.2	-	-	-
50300285	FORM LINER TEXTURED SURFACE	SQ FT	1,204	1,204	-	-	-
50800105	REINFORCEMENT BARS	POUND	12,350	12,350	-	-	-
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	900	900	-	-	-
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	3	3	-	-	-
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	1	-	-	-
550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	2,475	2,475	-	-	-
550A2330	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	FOOT	1,058	1,058	-	-	-
550A2340	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	FOOT	592	592	-	-	-
550A2360	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	FOOT	1,052	1,052	-	-	-
550A2520	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FOOT	52	52	-	-	-
550A2530	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	FOOT	127	127	-	-	-
550A2560	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	FOOT	407	407	-	-	-

* INDICATES SPECIALTY ITEM

CONTRACT NO. 95-00049-00-PV
 DRAWN BY: UKR
 CHECKED BY: RWL
 DATE: 06/20/12
 DESIGNED BY: DJS
 REVISIONS: PER IDOT 10/19/12
 FILE: J10994-50TY.shp
 PROJECT: 95-00049-00-PV
 COUNTY: KANE
 SHEETS: 138 OF 140
 CONTRACT NO. 63745
 FEDERAL AID PROJECT NO. M-6003 10951



DESIGNED - DJS	REVISED - PER IDOT 10/19/12
DRAWN - UKR	REVISED -
CHECKED - RWL	REVISED -
DATE - 06/20/12	FILE - J10994-50TY.shp

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4006	95-00049-00-PV	KANE	138	4
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-6003 10951			CONTRACT NO. 63745	

SUMMARY OF QUANTITIES

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
				ROADWAY 0003		SAFETY 0021	NON PARTICIPATING
				STU	STE	STU	
55100300	STORM SEWER REMOVAL 8"	FOOT	469	469	-	-	-
55100400	STORM SEWER REMOVAL 10"	FOOT	422	422	-	-	-
55100500	STORM SEWER REMOVAL 12"	FOOT	675	675	-	-	-
55101100	STORM SEWER REMOVAL 21"	FOOT	30	30	-	-	-
55101200	STORM SEWER REMOVAL 24"	FOOT	85	85	-	-	-
* 56106200	ADJUSTING WATER MAIN 4"	FOOT	20	-	-	-	20
* 56106300	ADJUSTING WATER MAIN 6"	FOOT	40	-	-	-	40
* 56106400	ADJUSTING WATER MAIN 8"	FOOT	60	-	-	-	60
* 56200300	WATER SERVICE LINE 1"	FOOT	660	-	-	-	660
* 56200500	WATER SERVICE LINE 1 1/2"	FOOT	92	-	-	-	92
* 56200700	WATER SERVICE LINE 2"	FOOT	321	-	-	-	321
* 56400810	FIRE HYDRANT EXTENSION	FOOT	29	-	-	-	29
60107600	PIPE UNDERDRAINS 4"	FOOT	600	600	-	-	-
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	4	4	-	-	-
60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	1	-	-	-
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	18	18	-	-	-
60204505	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	1	1	-	-	-
60205040	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	4	4	-	-	-
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	7	7	-	-	-
60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	35	35	-	-	-
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	20	20	-	-	-
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	17	17	-	-	-
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6	6	-	-	-
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	6	6	-	-	-
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	1	1	-	-	-
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	10	10	-	-	-
60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	2	2	-	-	-
60240328	INLETS, TYPE B, TYPE 24 FRAME AND GRATE	EACH	2	2	-	-	-
* 60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	20	-	-	-	20
* 60249010	VALVE VAULTS, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	15	-	-	-	15

* INDICATES SPECIALTY ITEM

DRAWN BY: BAXTER & WOODMAN, INC. 3/27/2012
 CHECKED BY: RWL 06/20/12
 DATE: 06/20/12
 FILE: 110994-SQTY.dht
 PROJECT: 95-004B-00-PV
 COUNTY: KANE
 SHEETS: 138 OF 150
 CONTRACT NO. 63745



DESIGNED - DJS	REVISED - PER IDOT 10/19/12
DRAWN - UKB	REVISED -
CHECKED - RWL	REVISED -
DATE - 06/20/12	FILE - 110994-SQTY.dht

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4006	95-004B-00-PV	KANE	138	5
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003 (095)				

SUMMARY OF QUANTITIES

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
				ROADWAY 0003		SAFETY 0021	NON PARTICIPATING
				STU	STE	STU	
60402210	GRATES, TYPE 8	EACH	1	1	-	-	-
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	1	1	-	-	-
60500040	REMOVING MANHOLES	EACH	1	1	-	-	-
60500050	REMOVING CATCH BASINS	EACH	8	8	-	-	-
60500060	REMOVING INLETS	EACH	7	7	-	-	-
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	1,046	1,046	-	-	-
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	14,442	14,442	-	-	-
* 60900515	CONCRETE THRUST BLOCKS	EACH	86	-	-	-	86
66300105	CALCIUM CHLORIDE APPLIED	TON	17	17	-	-	-
67100100	MOBILIZATION	L SUM	1	1	-	-	-
70300100	SHORT TERM PAVEMENT MARKING	FOOT	5,501	5,501	-	-	-
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	42,762	42,762	-	-	-
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1,657	1,657	-	-	-
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	866	866	-	-	-
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	635	635	-	-	-
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	2,640	2,640	-	-	-
72000100	SIGN PANEL - TYPE 1	SQ FT	499	499	-	-	-
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	60	60	-	-	-
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	7	7	-	-	-
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	1,258	1,258	-	-	-
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	9,038	9,038	-	-	-
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,657	1,471	186	-	-
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	866	-	866	-	-
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	360	360	-	-	-
* 78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	1,550	1,550	-	-	-
* 78300100	PAVEMENT MARKING REMOVAL	SQ FT	2,090	2,090	-	-	-
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	2	-	-	2	-
* 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	2	-	-	2	-
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	841	-	-	841	-
* 81603100	UNIT DUCT, 600V, 4-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	5,623	-	-	5,623	-

* INDICATES SPECIALTY ITEM

CONTRACT NO. 2012 BY EAST CO. & WOODMAN, INC. 11/20/12
 DRAWN BY: UKB 11/20/12
 CHECKED BY: RWL 11/20/12
 DATE: 06/20/12
 FILE: 110994-SQTY.srt
 PROJECT: 95-00049-CO-FV
 COUNTY: KANE
 SHEETS: 138
 SHEET NO.: 5
 CONTRACT NO.: 63745
 FEDERAL AID PROJECT: M-8003 (095)



DESIGNED -	DJS	REVISED -	PER IDOT 10/19/12
DRAWN -	UKB	REVISED	
CHECKED -	RWL	REVISED	
DATE -	06/20/12	FILE -	110994-SQTY.srt

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: STA. 10 STA.

F.A.I.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4006	95-00049-CO-FV	KANE	138	5
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63745	
FED. AID PROJECT M-8003 (095)				

SUMMARY OF QUANTITIES

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
				ROADWAY 0003		SAFETY 0021	NON PARTICIPATING
				STU	STE	STU	
* 82102150	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 150 WATT	EACH	49	-	-	49	-
* 82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	2	-	-	2	-
* 83006300	LIGHT POLE, ALUMINUM, 30 FT. M.H., 8 FT. MAST ARM	EACH	41	-	-	41	-
* 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	338	-	-	338	-
* A2000116	TREE, ACER X FREEMANI AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	-	1	-	-
* A2001016	TREE, ACER RUBRUM (RED MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	-	1	-	-
* A2001612	TREE, ACER SACCHARINUM MORTON (CRESCENDO SUGAR MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	2	-	2	-	-
* A2002516	TREE, CARPINUS CAROLINIANA (AMERICAN HORNBEAM), 2" CALIPER, BALLED AND BURLAPPED	EACH	2	-	2	-	-
* A2004568	TREE, GINKGO BILOBA MAGYAR ARISTOCRAT (MAGYAR ARISTOCRAT GINKO), TREE FORM, 3" CALIPER BALLED AND BURLAPPED	EACH	1	-	1	-	-
* A2004616	TREE, GLEDITSIA TRIACANTHOS INERMIS (THORNLESS COMMON HONEYLOCUST), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	-	1	-	-
* A2004816	TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	-	1	-	-
* A2005016	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	-	1	-	-
* A2005816	TREE, PLATANUS OCCIDENTALIS (SYCAMORE), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	-	1	-	-
* A2005916	TREE, PLATANUS X ACERIFOLIA BLOODGOOD (BLOODGOOD LONDON PLANETREE), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	-	1	-	-
* A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	-	1	-	-
* A2006916	TREE, QUERCUS PALUSTRIS (PIN OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	-	1	-	-
* A2007016	TREE, QUERCUS ROBUR FASTIGIATA (FASTIGIATE ENGLISH OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	3	-	3	-	-
* A2007116	TREE, QUERCUS RUBRA (RED OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	-	1	-	-
* A2007816	TREE, TILIA AMERICANA (AMERICAN LINDEN BASSWOOD), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	-	1	-	-
* A2007916	TREE, TILIA AMERICANA REDMOND (REDMOND AMERICAN LINDEN), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	-	1	-	-
* A2008016	TREE, TILIA CORDATA (LITTLE LEAF LINDEN), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	-	1	-	-
* A2008116	TREE, TILIA CORDATA GREENSPIRE (GREENSPIRE LITTLE LEAF LINDEN), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	-	1	-	-
* A2008722	TREE, ULMUS PATRIOT (PATRIOT ELM), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	-	1	-	-
* A2008820	TREE, ULMUS CARPINIFOLIA HOMESTEAD HOMESTEAD ELM, 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	1	-	1	-	-
* B2001616	TREE, CRATAEGUS CRUSGALLI INERMIS (THORN LESS COCKSPUR HAWTHORN), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	2	-	2	-	-
* B2002916	TREE, MALUS BEVERLY (BEVERLY CRABAPPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	2	-	2	-	-
* B2004516	TREE, MALUS RED JEWEL (RED JEWEL CRAB APPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	2	-	2	-	-
* B2005138	TREE, MALUS SPRING SNOW (SPRING SNOW CRABAPPLE), 3" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	1	-	1	-	-
* B2006316	TREE, SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	3	-	3	-	-
* B2010016	TREE, AMELANCHIER CANADENSIS (SHADBLOW SERVICEBERRY), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	2	-	2	-	-

* INDICATES SPECIALTY ITEM

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 STATE OF ILLINOIS PROFESSIONAL ENGINEERING
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DRAWN - UKB	REVISED -
CHECKED - RWL	REVISED -
DATE - 06/20/12	FILE - 110994-SOTY.sht

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: STA. TO STA.

F.A.U. RATE 4006	SECTION 95-00049-00-PV	COUNTY KANE	TOTAL SHEETS 138	SHEET NO. 63745
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-6003 (095)				

SUMMARY OF QUANTITIES

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
				ROADWAY		SAFETY	NON PARTICIPATING
				0003	0021	0021	
STU	STE	STU					
* C2011448	SHRUB, SYRINGA VULGARIS (COMMON LILAC), 4' HEIGHT, BALLED AND BURLAPPED	EACH	50	50	-	-	-
* K0029634	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	2	-	2	-	-
* X0322463	CONNECTION TO EXISTING SEWER	EACH	24	-	-	-	24
* X0323577	SANITARY SEWER TELEVISION INSPECTION, VIDEOTAPING AND RECORDING	FOOT	4,150	-	-	-	4,150
* X0324585	SANITARY SEWER SERVICE REMOVAL AND REPLACEMENT	EACH	8	-	-	-	8
* X0324878	ADJUSTING SANITARY SEWER SERVICE LINE	EACH	15	-	-	-	15
* X0325323	MANHOLES, TYPE A, SANITARY, 4' - DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	-	-	-	1
* X0325340	FIRE HYDRANT WITH 6" VALVE AND VALVE BOX	EACH	23	-	-	-	23
X0326671	CONCRETE SURFACE COLOR TREATMENT	SQ FT	1,204	1,204	-	-	-
* X0327084	AUXILIARY VALVE BOX EXTENSION	FOOT	28	-	-	-	28
* X0327123	CURED-IN-PLACE PIPE LINER, 8"	FOOT	4,820	-	-	-	4,820
X0327131	DRAINAGE STRUCTURES, NO. 1	EACH	2	2	-	-	-
X0327132	DRAINAGE STRUCTURES, NO. 2	EACH	1	1	-	-	-
* X0327203	CASING PIPE, OPEN CUT, 24" STEEL	FOOT	30	-	-	-	30
X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	500	500	-	-	-
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	28	28	-	-	-
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	12	12	-	-	-
X4023000	TEMPORARY ACCESS (ROAD)	EACH	19	19	-	-	-
* X5610004	DUCTILE IRON WATER MAIN FITTINGS	POUND	44,900	-	-	-	44,900
* X5610009	PIPE INSULATION SYSTEM	FOOT	100	-	-	-	100
* X5610016	WATER MAIN 16" (DIRECTIONAL BORE)	FOOT	3,220	-	-	-	3,220
* X5610640	PLUG EX WATER MAIN	EACH	1	-	-	-	1
* X5610650	WATER MAIN TO BE ABANDONED	L SUM	1	-	-	-	1
* X5610744	WATER MAIN LINE STOP 4"	EACH	9	-	-	-	9
* X5610746	WATER MAIN LINE STOP 6"	EACH	6	-	-	-	6
* X5610748	WATER MAIN LINE STOP 8"	EACH	16	-	-	-	16
* X5610752	WATER MAIN LINE STOP 12"	EACH	1	-	-	-	1
* X5620030	WATER SERVICE CONNECTION 1"	EACH	24	-	-	-	24
* X5620035	WATER SERVICE CONNECTION 1 1/2"	EACH	2	-	-	-	2
* X5620040	WATER SERVICE CONNECTION 2"	EACH	5	-	-	-	5

* INDICATES SPECIALTY ITEM

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DATE - 06/20/12	FILE - 110994-SOTY.sht

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: STA. TO STA.

F.A.A. RITE: 4006	SECTION: 95-00C45-00-PV	COUNTY: KANE	TOTAL SHEETS: 138	SHEET NO.: 8
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT W-6003 (095)	
			CONTRACT NO. 63795	

SUMMARY OF QUANTITIES

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
				ROADWAY 0003		SAFETY 0021	NON PARTICIPATING
				STU	STE	STU	
* X5630704	CONNECTION TO EXISTING WATER MAIN 4"	EACH	4	-	-	-	4
* X5630706	CONNECTION TO EXISTING WATER MAIN 6"	EACH	9	-	-	-	9
* X5630708	CONNECTION TO EXISTING WATER MAIN 8"	EACH	10	-	-	-	10
* X5630712	CONNECTION TO EXISTING WATER MAIN 12"	EACH	1	-	-	-	1
X6011705	PIPE DRAINS 6" (SPECIAL)	FOOT	100	100	-	-	-
X6024242	INLETS, SPECIAL, NO. 1	EACH	1	1	-	-	-
X6024244	INLETS, SPECIAL, NO. 2	EACH	18	18	-	-	-
* X6026051	SANITARY MANHOLES TO BE RECONSTRUCTED	EACH	1	-	-	-	1
* X6026623	VALVE BOX	EACH	4	-	-	-	4
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	-	-	-
* X8300001	LIGHT POLE, SPECIAL	EACH	4	-	-	4	-
* X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	70	-	-	70	-
* XX001490	GATE VALVES, 8"	EACH	15	-	-	-	15
* XX002982	GATE VALVES, 6"	EACH	8	-	-	-	8
* XX005478	DUCTILE IRON WATER MAIN 6" RESTRAINED JOINT TYPE	FOOT	350	-	-	-	350
* XX005479	DUCTILE IRON WATER MAIN 8" RESTRAINED JOINT TYPE	FOOT	650	-	-	-	650
* XX005884	GROUT ABANDONED SEWERS	FOOT	134	-	-	-	134
* XX006586	PVC CASING PIPE 30"	FOOT	80	-	-	-	80
* XX007021	PEDESTRIAN ACTIVATED CROSSWALK WARNING SYSTEM	EACH	1	-	1	-	-
* XX007500	SANITARY SEWER (OPEN CUT), 8" PVC,0-8 FEET DEEP	FOOT	320	-	-	-	320
* XX007501	SANITARY SEWER (OPEN CUT), 8" PVC,8-12 FEET DEEP	FOOT	130	-	-	-	130
* XX007502	SANITARY SEWER (OPEN CUT), 8" PVC,12-16 FEET DEEP	FOOT	20	-	-	-	20
* XX007503	SANITARY SEWER SERVICE (OPEN CUT), 6" PVC	FOOT	690	-	-	-	690
* XX007504	SANITARY SEWER SERVICE RISER, 6" PVC	FOOT	14	-	-	-	14
* XX007505	SANITARY SERVICE BRANCH FITTINGS	EACH	4	-	-	-	4
* XX007512	TRENCH BACKFILL (SANITARY SEWER), 8 INCH0-8 FEET DEEP	FOOT	980	-	-	-	980
* XX007513	TRENCH BACKFILL (SANITARY SEWER), 8 INCH8-12 FEET DEEP	FOOT	110	-	-	-	110
* XX007514	TRENCH BACKFILL (SANITARY SEWER), 8 INCH12-16 FEET DEEP	FOOT	30	-	-	-	30
* XX007682	GATE VALVES 16"	EACH	15	-	-	-	15
* XX008196	TRENCH BACKFILL, WATERMAIN, SPECIAL	FOOT	3,580	-	-	-	3,580

* INDICATES SPECIALTY ITEM

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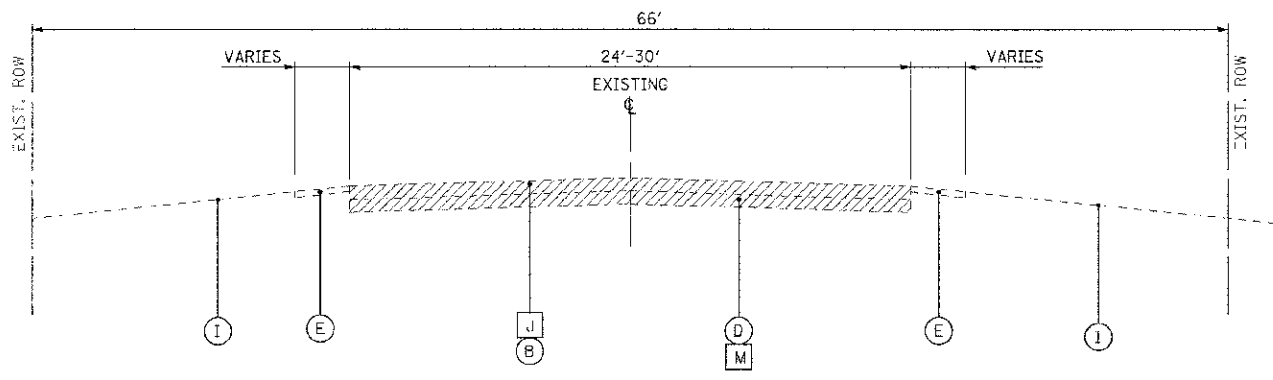


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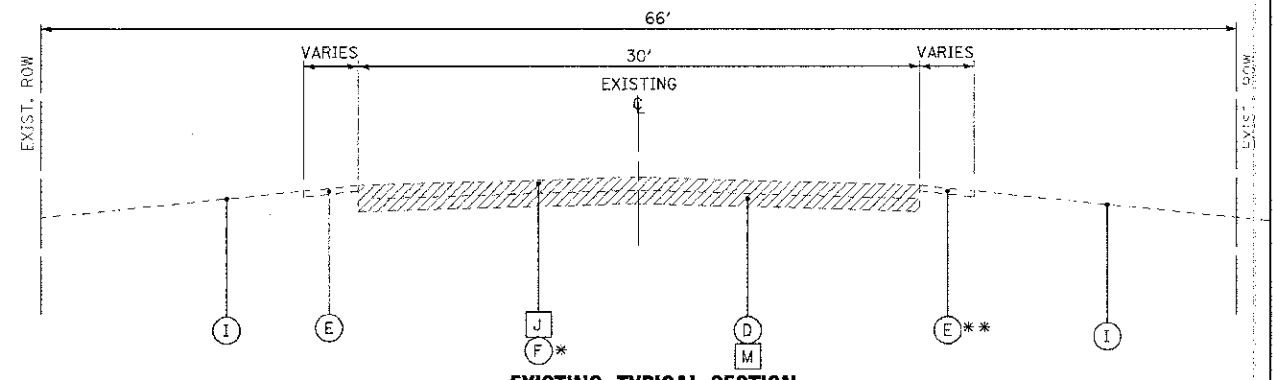
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

F.A.U. RTE. 4006	SECTION 95-00049-00-PV	COUNTY KANE	TOTAL SHEETS 138	SHEET NO. 9
SCALE: STA. TO STA.			CONTRACT NO. 63745	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT V-9003 (095)				



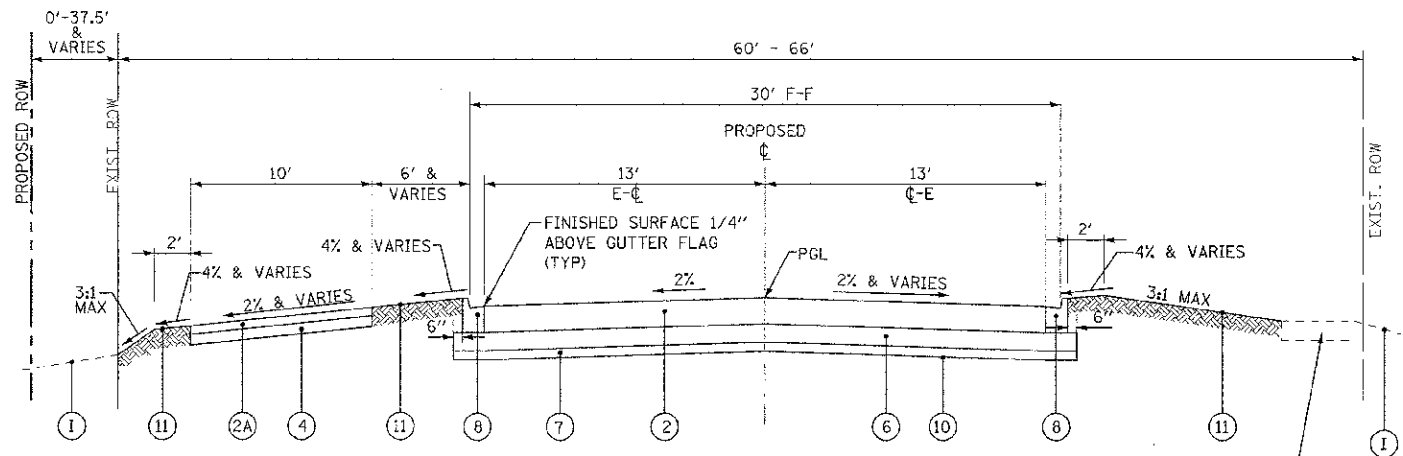
**EXISTING TYPICAL SECTION
MAPLE AVENUE
STA. 127+25 TO STA. 151+27**



**EXISTING TYPICAL SECTION
MAPLE AVENUE
STA. 151+27 TO STA. 173+25**

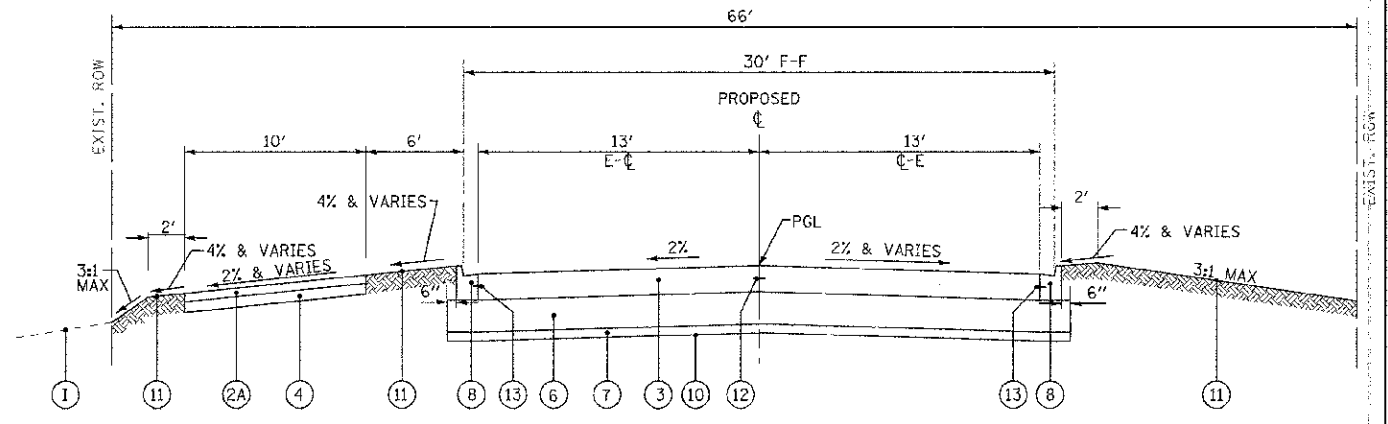
PCC SIDEWALK REMOVAL
STA 169+28 TO STA 173+25, LT

* STA 159+11 TO STA 173+25
HAS 2" HOT-MIX ASPHALT SURFACE
COURSE OVERLAY
** (H) STA 172+25 TO STA 173+25
(K)



**PROPOSED TYPICAL SECTION
MAPLE AVENUE
STA. 127+25 TO STA. 151+25
STA. 159+50 TO STA. 180+41**

EXISTING SIDEWALK
(STA 172+50 TO 180+41)



**PROPOSED TYPICAL SECTION
MAPLE AVENUE
STA. 151+25 TO STA. 159+50**

EXISTING LEGEND

- (A) HOT-MIX ASPHALT SURFACE - 3" (AVG)
- (B) HOT-MIX ASPHALT SURFACE - 5" (AVG)
- (C) HOT-MIX ASPHALT SURFACE - 7.25" (AVG)
- (D) AGGREGATE BASE
- (E) AGGREGATE SHOULDER (IF PRESENT)
- (F) PCC PAVEMENT - 7.5"
- (G) PCC SIDEWALK
- (H) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (I) GROUND SURFACE
- (J) PAVEMENT REMOVAL (FULL DEPTH)
- (K) COMBINATION CONCRETE CURB AND GUTTER REMOVAL
- (L) SIDEWALK REMOVAL
- (M) AGGREGATE BASE REMOVAL (PAID FOR AS EARTH EXCAVATION)
- ITEM TO BE REMOVED

PROPOSED LEGEND

- (1) HOT-MIX PAVEMENT (FULL-DEPTH) 9 1/2"
HOT-MIX SURFACE COURSE, MIX "D", N50 - 2"
HOT-MIX BINDER COURSE, 1L-19.0, N50 - 7 1/2"
- (2) HOT-MIX PAVEMENT (FULL-DEPTH) 9 1/2"
HOT-MIX SURFACE COURSE, MIX "D", N70 - 2"
HOT-MIX BINDER COURSE, 1L-19.0, N50 - 7 1/2"
- (2A) HOT-MIX SURFACE COURSE, MIX "D", N50 - 1 1/2"
HOT-MIX BINDER COURSE, 1L-19.0, N50 - 2 1/4"
- (3) PCC PAVEMENT - 7.5" (JOINTED) (TRANSVERSE JOINTS SPACED EVERY 12.5')
- (4) AGGREGATE BASE COURSE, TYPE B - 6"
- (5) AGGREGATE BASE COURSE, TYPE B - 4"
- (6) AGGREGATE SUBGRADE IMPROVEMENT - 12"
- (7) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS AND AGGREGATE SUBGRADE IMPROVEMENTS (SEE NOTE 1)
- (8) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (8A) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (9) PORTLAND CEMENT CONCRETE SIDEWALK - 5"
- (10) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (11) TOPSOIL FURNISH AND PLACE 6"
FERTILIZER
SEEDING CLASS 1A
EROSION CONTROL BLANKET
- (12) CONSTRUCTION JOINT WITH TIE BARS (INCLUDED IN THE COST OF THE PROPOSED PAVEMENT)
- (13) TIE BARS (INCLUDED IN THE COST OF THE PROPOSED CURB AND GUTTER)

NOTE 1 AGGREGATE SUBGRADE IMPROVEMENT (ASI) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.03 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH ASI OR EMBANKMENT AS DETERMINED BY THE ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR. A QUANTITY OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL SHALL ALSO BE DEDUCTED WITH NO ADDITIONAL COMPENSATION DUE THE CONTRACTOR. POTENTIAL UNSUITABLE LOCATIONS ARE LISTED ON SHEET 11

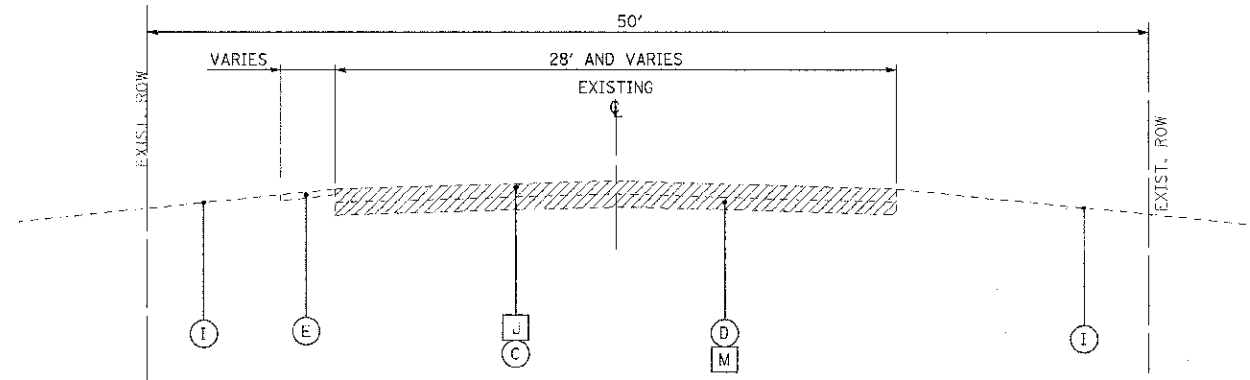
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 525 EAST WASHINGTON STREET, SUITE 200
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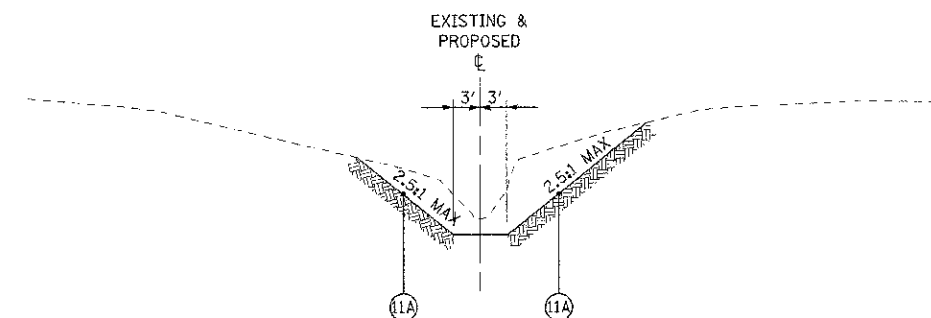
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
SCALE: NONE	STA. TO STA.

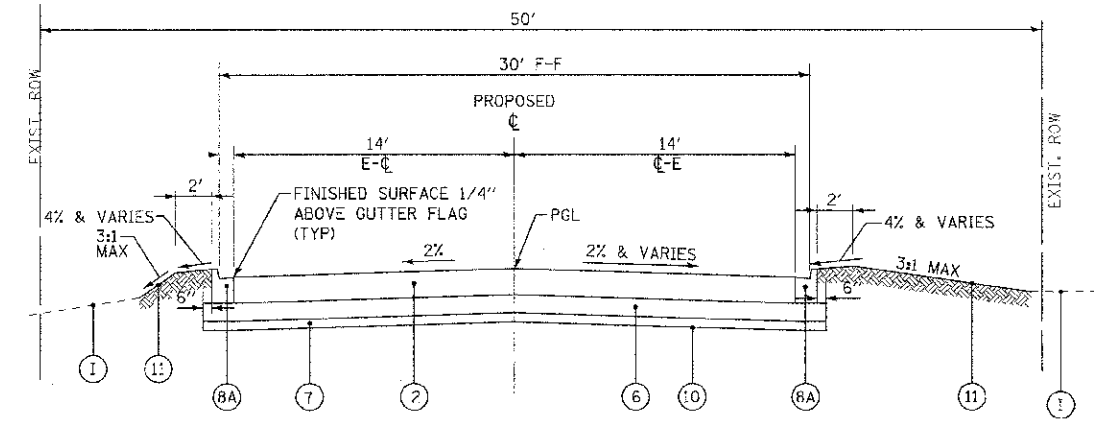
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4006	95-00049-00-PV	KANE	138	12
CONTRACT NO. 63745				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-6003 (095)				



**EXISTING TYPICAL SECTION
TAMARAC DRIVE
STA. 201+42 TO STA. 203+87**



**EXISTING & PROPOSED TYPICAL SECTION
CARPENTER CREEK
STA. 10+80 TO STA. 15+50
(SEE SHEET 56)**



**PROPOSED TYPICAL SECTION
TAMARAC DRIVE
STA. 201+42 TO STA. 203+87**

NOTE 1 AGGREGATE SUBGRADE IMPROVEMENT (ASI) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.03 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH ASI OR EMBANKMENT AS DETERMINED BY THE ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR. A QUANTITY OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL SHALL ALSO BE DEDUCTED WITH NO ADDITIONAL COMPENSATION DUE THE CONTRACTOR. POTENTIAL UNSUITABLE LOCATIONS ARE LISTED ON SHEET 11

EXISTING LEGEND

- (A) HOT-MIX ASPHALT SURFACE - 3" (AVG)
- (B) HOT-MIX ASPHALT SURFACE - 5" (AVG)
- (C) HOT-MIX ASPHALT SURFACE - 7.25" (AVG)
- (D) AGGREGATE BASE
- (E) AGGREGATE SHOULDER (IF PRESENT)
- (F) PCC PAVEMENT - 7.5"
- (G) PCC SIDEWALK
- (H) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (I) GROUND SURFACE
- (J) PAVEMENT REMOVAL (FULL DEPTH)
- (K) COMBINATION CONCRETE CURB AND GUTTER REMOVAL
- (L) SIDEWALK REMOVAL
- (M) AGGREGATE BASE REMOVAL (PAID FOR AS EARTH EXCAVATION)
- ▨ ITEM TO BE REMOVED

PROPOSED LEGEND

- (1) HOT-MIX PAVEMENT (FULL-DEPTH) 9 1/2"
HOT-MIX SURFACE COURSE, MIX "D", N50 - 2"
HOT-MIX BINDER COURSE, IL-19.0, N50 - 7 1/2"
- (2) HOT-MIX PAVEMENT (FULL-DEPTH) 9 1/2"
HOT-MIX SURFACE COURSE, MIX "D", N70 - 2"
HOT-MIX BINDER COURSE, IL-19.0, N50 - 7 1/2"
- (2A) HOT-MIX SURFACE COURSE, MIX "D", N50 - 1 1/2"
HOT-MIX BINDER COURSE, IL-19.0, N50 - 2 1/4"
- (3) PCC PAVEMENT - 7.5" (JOINTED) (TRANSVERSE JOINTS SPACED EVERY 12.5')
- (4) AGGREGATE BASE COURSE, TYPE B - 6"
- (5) AGGREGATE BASE COURSE, TYPE B - 4"
- (6) AGGREGATE SUBGRADE IMPROVEMENT - 12"
- (7) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS AND AGGREGATE SUBGRADE IMPROVEMENTS (SEE NOTE 1)
- (8) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (8A) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (9) PORTLAND CEMENT CONCRETE SIDEWALK - 5"
- (10) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (11) TOPSOIL FURNISH AND PLACE 6"
FERTILIZER
SEEDING CLASS 1A
EROSION CONTROL BLANKET
- (11A) TOPSOIL FURNISH AND PLACE 6"
SEEDING CLASS 4A
SEEDING CLASS 4B
SEEDING CLASS 5B
EROSION CONTROL BLANKET
- (12) CONSTRUCTION JOINT WITH TIE BARS (INCLUDED IN THE COST OF THE PROPOSED PAVEMENT)
- (13) TIE BARS (INCLUDED IN THE COST OF THE PROPOSED CURB AND GUTTER)

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 PROJECT: 110994-TYP-SECT-11
 DATE: 06/20/12
 DRAWN BY: JKB
 CHECKED BY: RWL
 DATE: 06/20/12



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DRAWN - JKB	REVISED - PER ACOE 3/14/13
CHECKED - RWL	REVISED -
DATE - 06/20/12	FILE - 110994-Typ-Sect-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: NONE STA. TO STA.

F.A.U. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4006	95-00049-00-PV	KANE	138	13
CONTRACT NO. 63745				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-6003 (095)				

MAINTENANCE OF TRAFFIC NOTES:

1. THE CONTRACTOR SHALL SUBMIT A PREPLANNED SEQUENCE OF WORK AT THE PRECONSTRUCTION CONFERENCE FOR REVIEW AND APPROVAL. WORK SHALL BE SCHEDULED TO MINIMIZE INCONVENIENCE TO RESIDENTS AND BUSINESSES AND TO MAINTAIN A REASONABLE LEVEL OF CONSTRUCTION EFFICIENCY. THE VILLAGE AND/OR ENGINEER RESERVES THE RIGHT TO RESTRICT WORK ON ANY ROADWAY SEGMENT IF CONSTRUCTION OPERATIONS ON A PREVIOUS SEGMENT ARE UNACCEPTABLE; TRAFFIC CONTROL OPERATIONS BECOME UNACCEPTABLE; OR AN EROSION CONTROL DEFICIENCY EXISTS.
2. THE ENGINEER SHALL BE NOTIFIED OF ANY CHANGES TO CONSTRUCTION STAGING. ALL CHANGES TO CONSTRUCTION STAGING SHALL BE APPROVED BY THE ENGINEER PRIOR TO IMPLEMENTATION.
3. MAPLE AVENUE SHALL BE KEPT OPEN TO ONE-WAY TRAFFIC AT ALL TIMES.
4. ALL SIDE STREETS SHALL BE OPEN TO TWO-WAY TRAFFIC AT THE END OF EACH DAY.
5. MAINTAIN TWO WAY ACCESS ON TAMARAC DRIVE AT ALL TIMES.
6. ACCESS FOR LOCAL TRAFFIC, MAIL SERVICE, GARBAGE SERVICE AND EMERGENCY VEHICLES SHALL BE MAINTAINED AT ALL TIMES.
7. ACCESS TO COMMERCIAL DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES.
8. RESIDENTS SHALL HAVE ACCESS TO THEIR DRIVEWAYS AT THE END OF EACH DAY (EXCEPT DURING CONCRETE CURING TIME).
9. PROVIDE 24 HOUR ADVANCED NOTIFICATION TO POLICE AND FIRE WHEN ROADS ARE TO BE TEMPORARILY CLOSED.
10. CONSTRUCTION OPERATIONS INVOLVING THE TEMPORARY CLOSING OF DRIVEWAYS SHALL NOT COMMENCE WITHOUT THE CONTRACTOR NOTIFYING THE VILLAGE AT LEAST THREE DAYS PRIOR. THE CONTRACTOR WILL ALSO BE REQUIRED TO PROVIDE 48-HOUR NOTICE TO AFFECTED PARTIES BY DISTRIBUTING NOTICES AND/OR POSTING SIGNS.
11. TEMPORARY EROSION CONTROL SHALL BE REMOVED ONCE SEED ESTABLISHES.
12. BARRICADE AND/OR DRUM SPACING SHALL BE IN ACCORDANCE WITH THE APPLICABLE HIGHWAY STANDARD EXCEPT THAT THE MINIMUM SPACING SHALL BE 50 FEET. ALL TAPERS RATES SHALL BE 15:1 OR GREATER.
13. ALL TEMPORARY STORM SEWER PLUGS AND TEMPORARY STORM SEWER CONNECTIONS REQUIRED FOR CONSTRUCTION STAGING SHALL BE INCLUDED IN THE COST OF THE STORM SEWER CONSTRUCTION.
14. ALL TRENCHES, HOLES, AND PITS SHALL BE FILLED OR COVERED WITH STEEL PLATES EXCEPT DURING ACTUAL CONSTRUCTION THERE IN. THIS WORK SHALL BE INCLUDED IN THE COST OF THE ITEMS FOR WHICH IT APPLIES.

THE FOLLOWING IS A LIST OF STAGES ON THIS PROJECT:

PRIOR TO CONSTRUCTION ESTABLISH EROSION CONTROL, ONE WAY DETOUR ROUTE, AND NECESSARY TRAFFIC CONTROL.

MAPLE AVENUE - WASHINGTON STREET TO BROOK STREET

CLOSE MAPLE AVENUE TO THRU TRAFFIC BETWEEN WASHINGTON STREET AND BROOK STREET.

1. CONSTRUCT STORM SEWER AND WATER MAIN ADJUSTMENTS.
2. CONSTRUCT AGGREGATE SUBGRADE IMPROVEMENTS, CURB AND GUTTER, AND HMA BASE COURSE.
3. CONSTRUCT STREET LIGHTING.
4. CONSTRUCT DRIVEWAY PAVEMENTS AND BEGIN PARKWAY RESTORATION.

MAPLE AVENUE - BROOK STREET TO L. W. BESINGER DRIVE

STAGE 1 - CREEK AND THREE SIDED STRUCTURE CONSTRUCTION

CLOSE MAPLE AVENUE BETWEEN BROOK STREET AND CARPENTER BOULEVARD.

MAINTAIN NORTHBOUND TRAFFIC ON CARPENTER BOULEVARD WITHIN PROJECT LIMITS.

CLOSE BROOK STREET AT MAPLE AVENUE.

MAINTAIN TWO WAY ACCESS ON ALL OTHER SIDE STREETS.

1. REMOVE EXISTING STRUCTURE, GRADE CREEK BED, AND INSTALL THREE SIDED STRUCTURE, HEADWALLS AND WING WALLS.
 2. CONSTRUCT STORM SEWER AND WATER MAIN AT INTERSECTIONS OF MAPLE AVENUE WITH BROOK STREET AND CARPENTER BOULEVARD.
 3. CONSTRUCT AGGREGATE SUBGRADE IMPROVEMENTS, CURB AND GUTTER, AND HMA BASE COURSE OVER ENTIRE WIDTH OF MAPLE AVENUE AND BROOK STREET AND THE WEST LANE OF CARPENTER BLVD.
 4. BEGIN PARKWAY RESTORATION ALONG CREEK.
 5. INSTALL WATER MAIN CROSSING L. W. BESINGER DRIVE.
 6. INSTALL TEMPORARY PAVEMENT ALONG THE NORTH SIDE OF MAPLE AVENUE AT LOCATIONS SHOWN ON THE PLANS.
3. CONSTRUCT DRIVEWAY PAVEMENTS AND BEGIN PARKWAY RESTORATION ON SOUTH HALF OF MAPLE AVENUE AND ALL OF TAMARAC DRIVE.

STAGE 2 - SOUTH HALF OF MAPLE AVENUE CONSTRUCTION

OPEN BROOK STREET AT MAPLE AVENUE AND MAPLE AVENUE BETWEEN BROOK STREET AND CARPENTER BOULEVARD TO LOCAL TRAFFIC.

SHIFT NORTHBOUND CARPENTER BOULEVARD TRAFFIC TO THE WEST LANE CONSTRUCTED IN STAGE 1 WITHIN PROJECT LIMITS. MAINTAIN ONE 11' (10' MINIMUM) LANE ON CARPENTER BOULEVARD.

SHIFT EASTBOUND MAPLE AVENUE TRAFFIC TO EXISTING NORTH LANE. MAINTAIN ONE 11' (10' MINIMUM) LANE UTILIZING THE EXISTING MAPLE AVENUE PAVEMENT. SHIFT MAPLE AVENUE TRAFFIC TO TEMPORARY PAVEMENT CONSTRUCTED IN STAGE 1 ONLY DURING ADJACENT STORM SEWER LATERAL OR WATER MAIN CROSSING CONSTRUCTION. PLACE TEMPORARY PAVEMENT OVER ANY TRENCH ENCROACHING ON THE EASTBOUND TRAVEL LANE IMMEDIATELY FOLLOWING STORM SEWER LATERAL OR WATER MAIN CONSTRUCTION. ADJACENT STORM SEWER LATERAL CONSTRUCTION SHALL NOT BEGIN UNTIL THE TEMPORARY PAVEMENT IS INSTALLED AND TRAFFIC IS DRIVING ON THE EXISTING NORTH LANE OF MAPLE AVENUE. TRAFFIC SHALL NOT WEAVE THROUGH THE CONSTRUCTION SITE.

MAINTAIN TWO WAY ACCESS ON ALL SIDE STREETS INCLUDING TAMARAC DRIVE.

1. CONSTRUCT ALL REMAINING WATER MAIN, STORM SEWER LATERALS ON THE SOUTH HALF OF MAPLE AVENUE, AND ALL STORM SEWER ON TAMARAC DRIVE. SHIFT EASTBOUND TRAFFIC TO TEMPORARY PAVEMENT PLACED IN STAGE 1 ONLY DURING ADJACENT STORM SEWER LATERAL OR WATER MAIN CROSSING CONSTRUCTION. INSTALL TEMPORARY PAVEMENT WHERE STORM SEWER LATERALS OR WATER MAIN ENCROACH ON EASTBOUND TRAFFIC LANE.
2. CONSTRUCT AGGREGATE SUBGRADE IMPROVEMENTS, CURB AND GUTTER, AND HMA BASE COURSE ON THE EAST HALF OF CARPENTER BOULEVARD, SOUTH HALF OF MAPLE AVENUE AND ALL OF TAMARAC DRIVE.
3. CONSTRUCT DRIVEWAY PAVEMENTS AND BEGIN PARKWAY RESTORATION ON SOUTH HALF OF MAPLE AVENUE AND ALL OF TAMARAC DRIVE.

STAGE 3 - NORTH HALF OF MAPLE AVENUE CONSTRUCTION

OPEN CARPENTER BOULEVARD TO TWO WAY TRAFFIC.

SHIFT EASTBOUND MAPLE AVENUE TRAFFIC TO SOUTH HALF OF MAPLE AVENUE CONSTRUCTED IN STAGE 2. MAINTAIN ONE 11' (10' MINIMUM) LANE.

MAINTAIN TWO WAY ACCESS ON ALL SIDE STREETS.

1. CONSTRUCT ALL REMAINING STORM SEWER, SANITARY SEWER, WATER MAIN, AGGREGATE SUBGRADE IMPROVEMENTS, CURB AND GUTTER, AND HMA BASE COURSE ON THE NORTH HALF OF MAPLE AVENUE.
2. CONSTRUCT AGGREGATE SUBGRADE IMPROVEMENTS, CURB AND GUTTER, AND HMA BASE COURSE ON NORTH HALF OF MAPLE AVENUE.
3. CONSTRUCT DRIVEWAY PAVEMENTS, BIKE PATH, STREET LIGHTING AND BEGIN PARKWAY RESTORATION ON NORTH HALF OF MAPLE AVENUE.
4. REMOVE DETOUR ROUTE AND OPEN ALL ROADS TO TWO WAY TRAFFIC.

STAGE 3 SHALL BE COMPLETED WITH ALL ROADS OPEN TO TWO-WAY TRAFFIC BY NOVEMBER 30, 2013.

PROJECT COMPLETION - WASHINGTON STREET TO L. W. BESINGER DRIVE

1. COMPLETE HOT-MIX ASPHALT SURFACE COURSE ON ALL STREETS.
2. INSTALL REQUIRED PAVEMENT MARKINGS.
3. COMPLETE PARKWAY RESTORATION.
4. COMPLETE PUNCH LIST ITEMS.
5. REMOVE TEMPORARY EROSION CONTROL ITEMS ONCE SEED ESTABLISHES.

THE PROJECT SHALL BE COMPLETED WITHIN 15 WORKING DAYS OF STAGE 3 COMPLETION .

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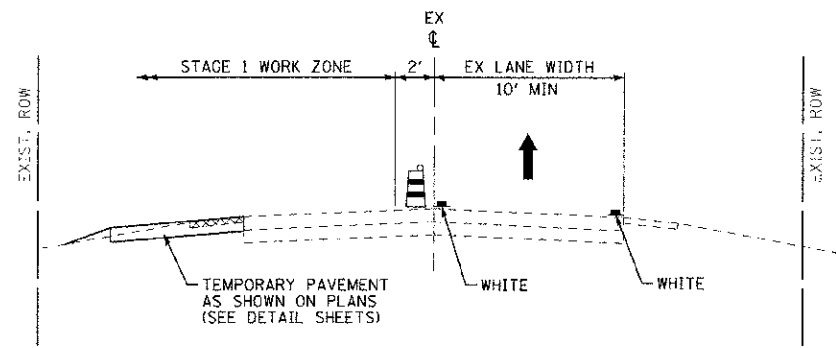
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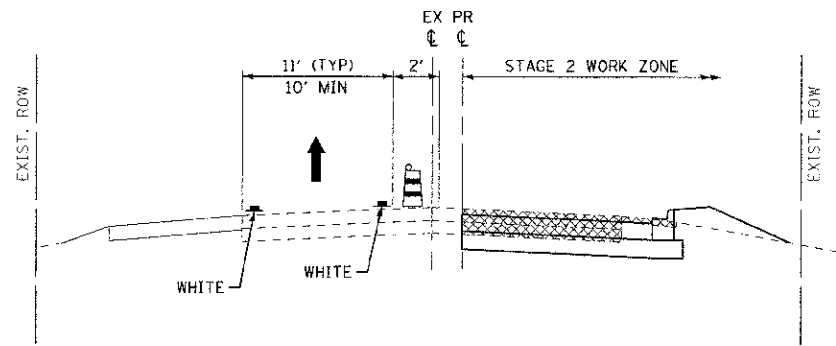
CONSTRUCTION STAGING NOTES

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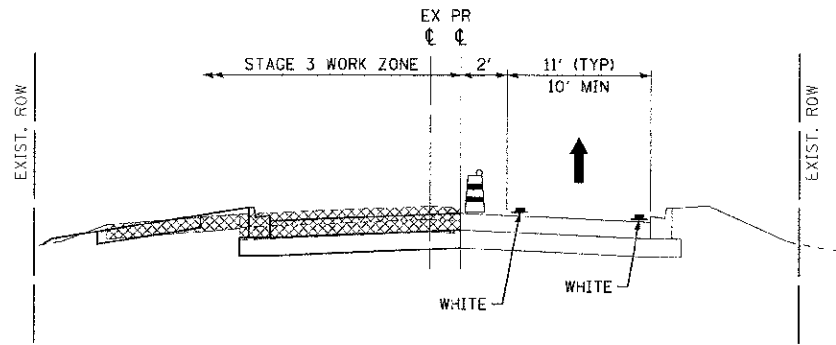
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4006	95-00049-00-PV	KANE	138	15
			CONTRACT NO. 63745	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003 (095)				



SUGGESTED MOT - STAGE 1
MAPLE AVENUE
 STA 127+75 TO STA 180+41



SUGGESTED MOT - STAGE 2
MAPLE AVENUE
 STA 127+75 TO STA 180+41



SUGGESTED MOT - STAGE 3
MAPLE AVENUE
 STA 127+75 TO STA 180+41

- LEGEND**
- DIRECTION OF TRAFFIC
 - DRUMS
 - EXISTING ELEMENTS
 - PROPOSED ELEMENTS FROM PRIOR STAGES
 - PROPOSED ELEMENTS
 - EXISTING PAVEMENT MARKINGS
 - REMOVAL
 - TEMPORARY PAVEMENT MARKINGS - 4"

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CONSTRUCTION STAGING NOTES

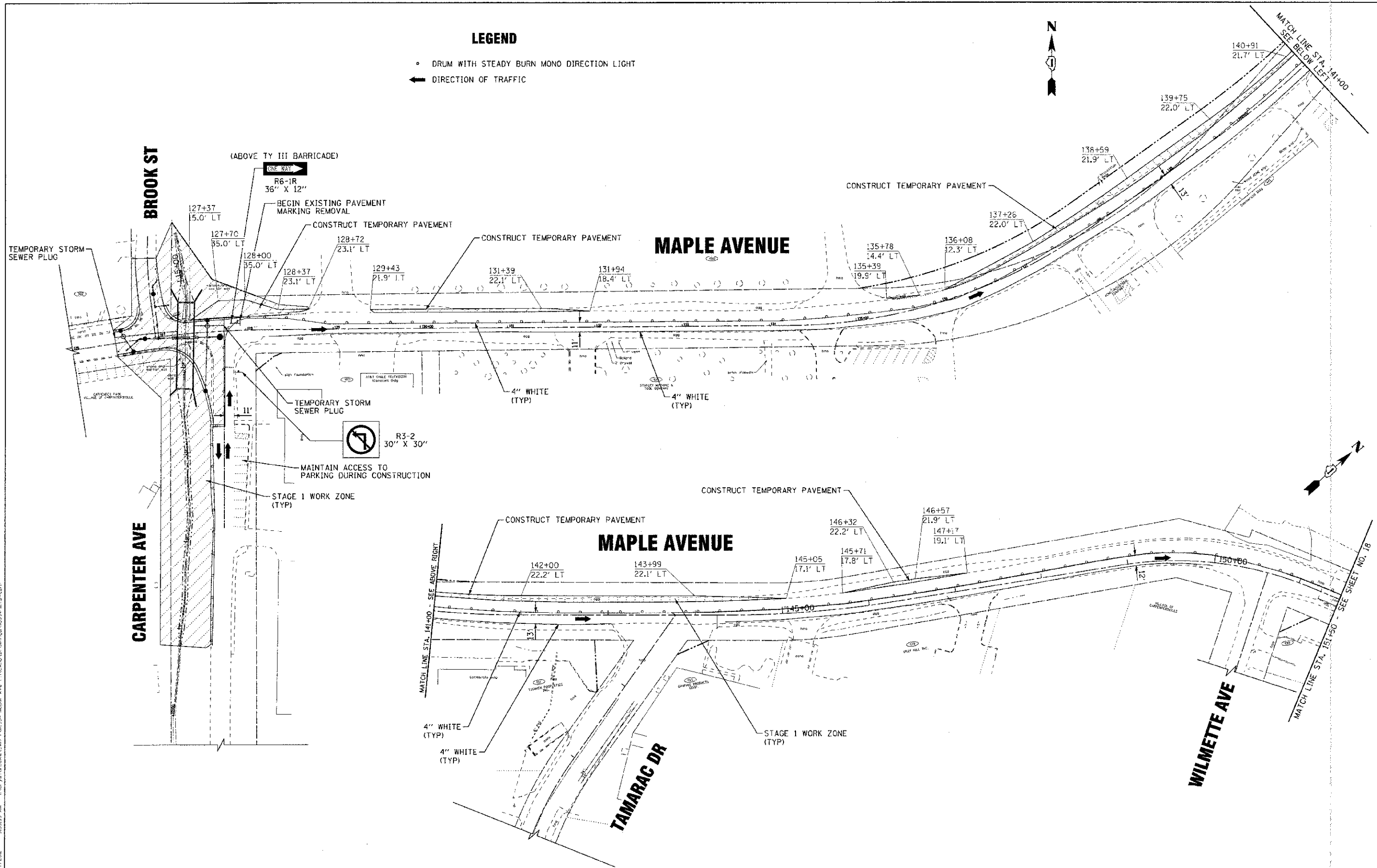
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STA. TO STA.

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FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT W-8003-10951			CONTRACT NO. 63745	

LEGEND

- DRUM WITH STEADY BURN MONO DIRECTION LIGHT
- ← DIRECTION OF TRAFFIC



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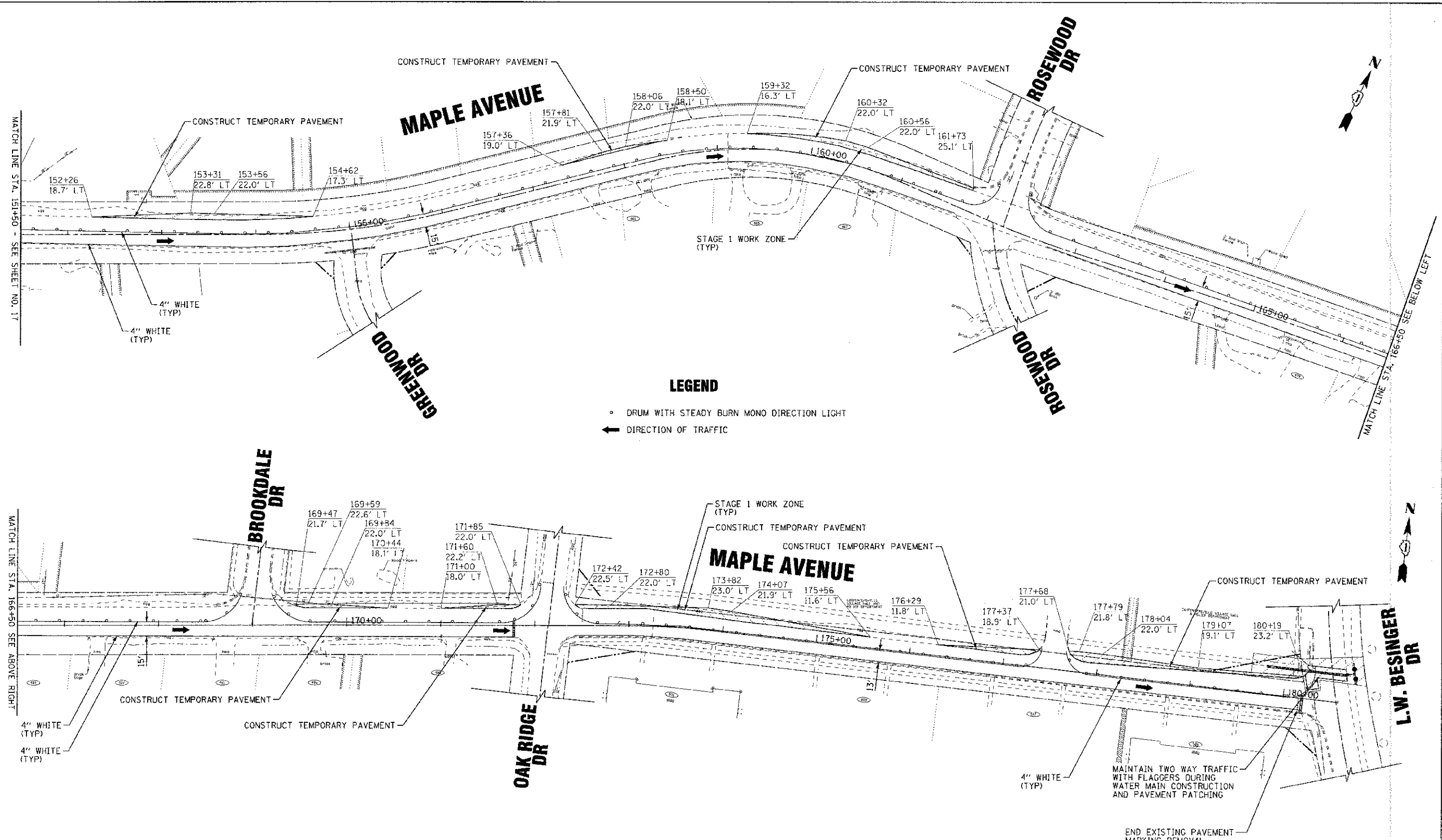
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC
STAGE 1
MAPLE AVENUE**

SCALE: 1" = 50'
STA. 141+00 TO STA. 151+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4006	95-00049-00-PV	KANE	138	17
FED. ROAD DIST. NO. 1 ILL. ROAD DIST. NO. 10953			CONTRACT NO. 63745	



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SUGGESTED MAINTENANCE OF TRAFFIC
STAGE 1
MAPLE AVENUE

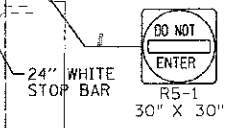
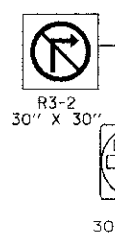
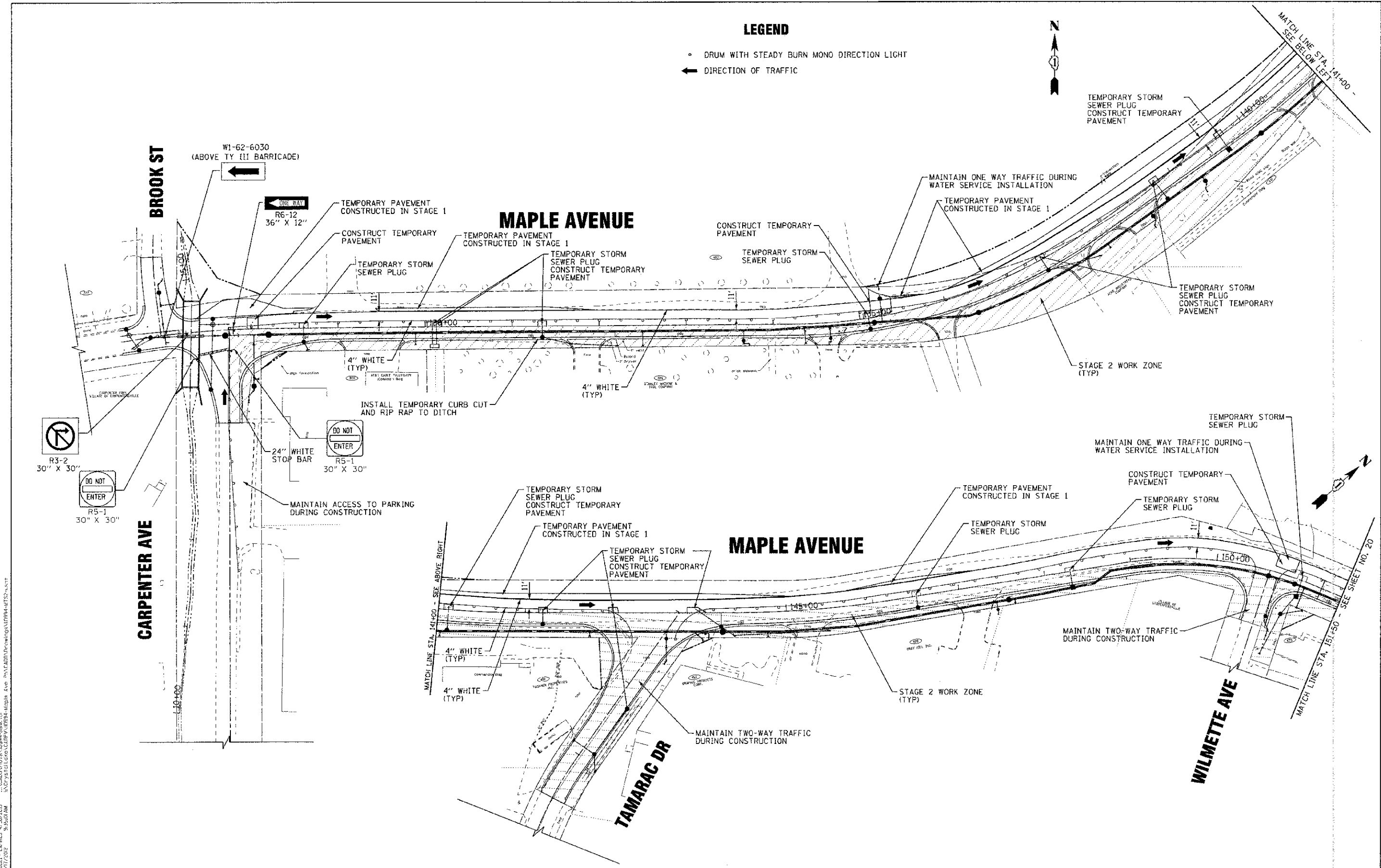
SCALE: 1" = 50'

STA. 151+50 TO STA. 180+56

F.A.LL. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4006	95-00049-00-PV	KANE	138	18
FED. ROAD DIST. NO. 1			ILLINOIS FED. AID PROJECT N-8003 (095)	
			CONTRACT NO. 63745	

LEGEND

- DRUM WITH STEADY BURN MONO DIRECTION LIGHT
- ← DIRECTION OF TRAFFIC



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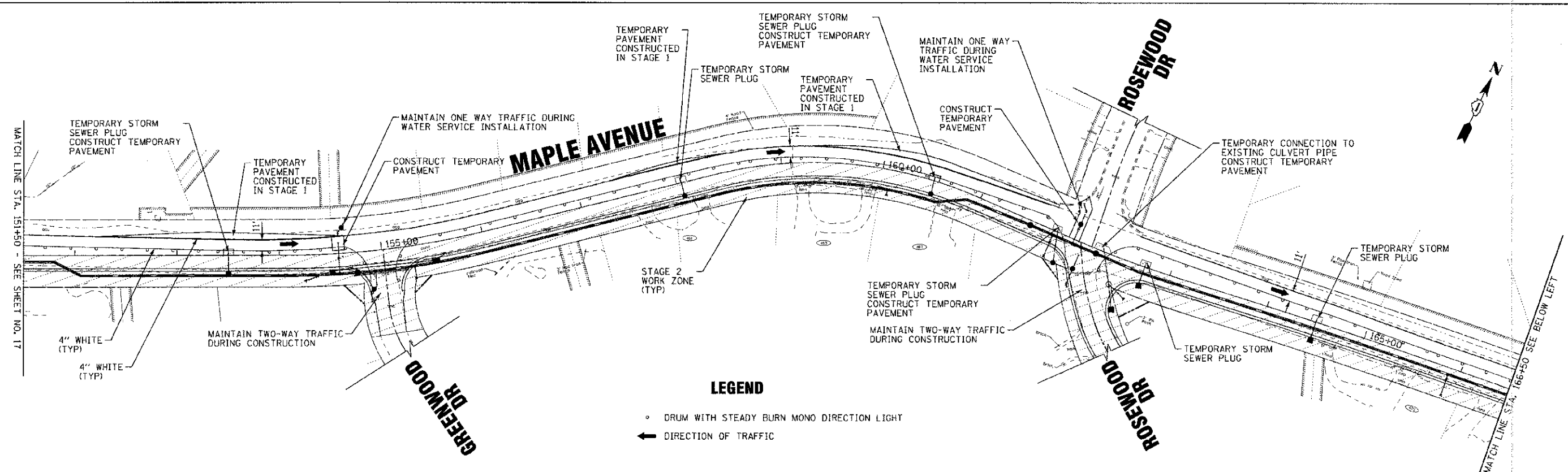
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC
STAGE 2
MAPLE AVENUE**

SCALE: 1" = 50'

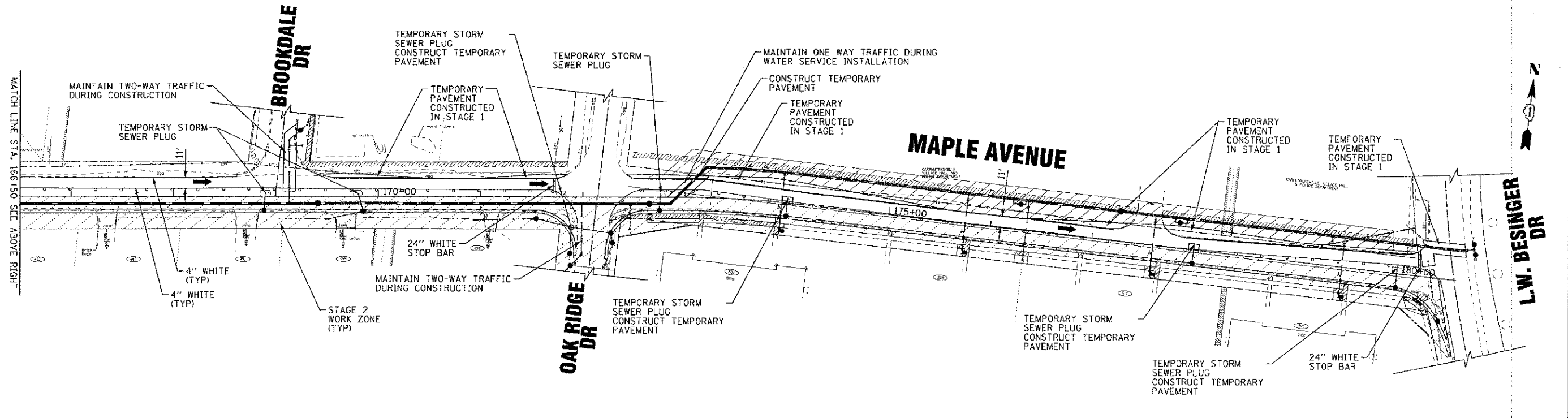
STA. 141+00 TO STA. 151+50

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4006	95-00049-00-PV	KANE	138	19
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT M-6003 (0999)			CONTRACT NO. 63745	



LEGEND

- DRUM WITH STEADY BURN MONO DIRECTION LIGHT
- ← DIRECTION OF TRAFFIC



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC
STAGE 2
MAPLE AVENUE**

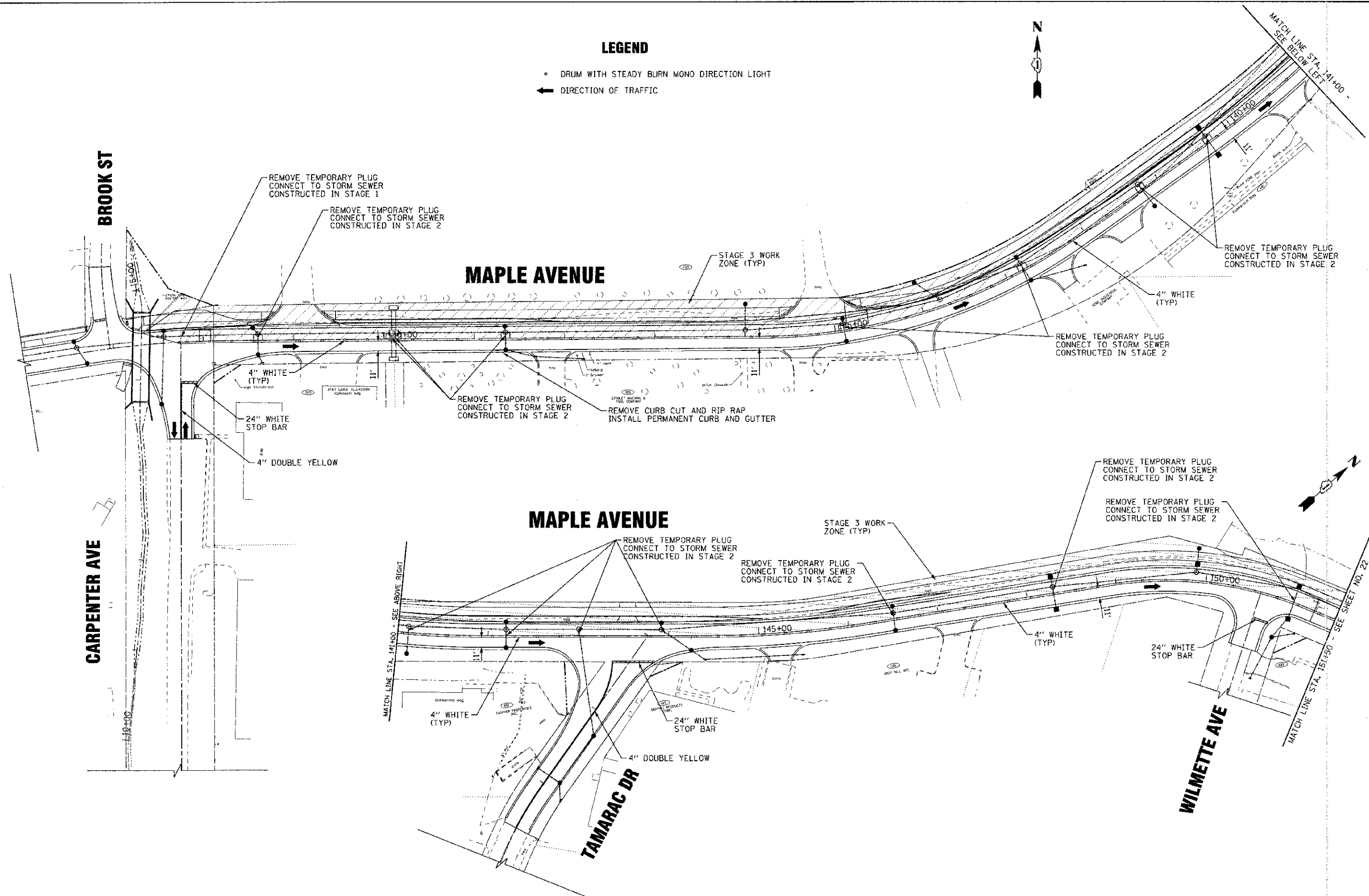
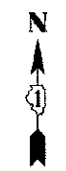
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STA. 151+50 TO STA. 180+50

F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. 1 (ILLINOIS) FFD. AID PROJECT W-9003 (095)			CONTRACT NO. 63745	

LEGEND

- DRUM WITH STEADY BURN MONO DIRECTION LIGHT
- ← DIRECTION OF TRAFFIC



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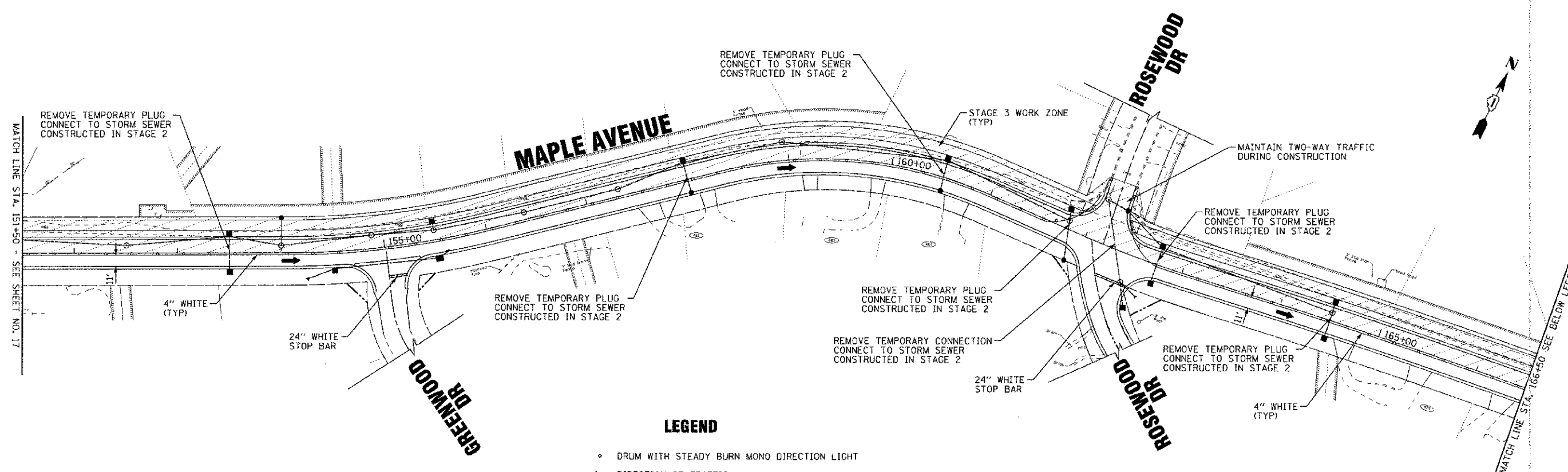
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DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC
STAGE 3
MAPLE AVENUE

SCALE: 1" = 50'

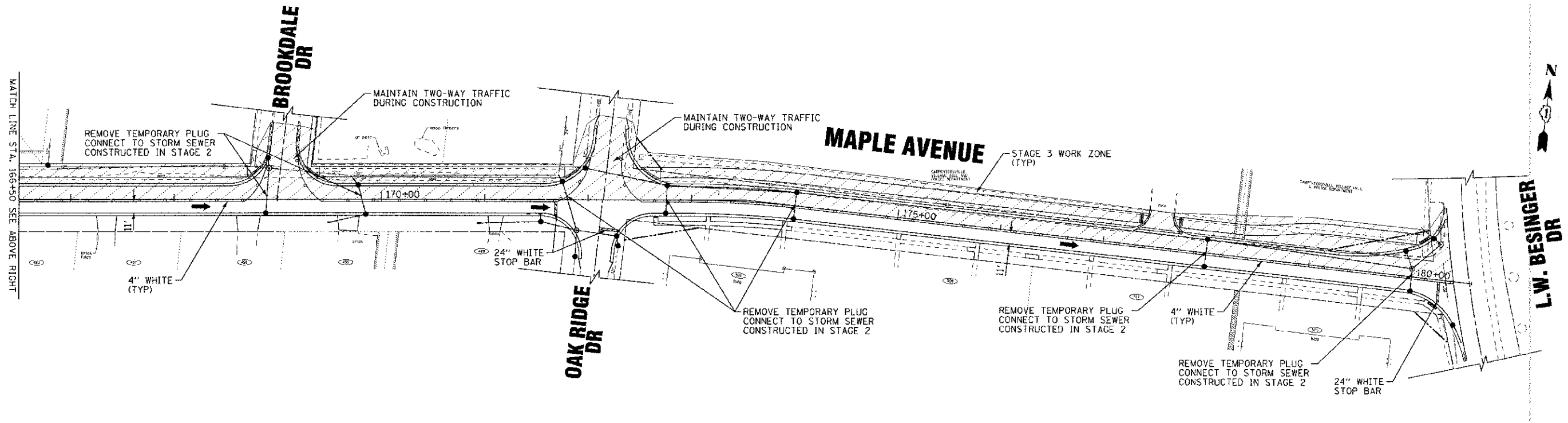
STA. 141+00 TO STA. 151+50

F.A.I.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4006	95-00049-00-PV	KANE	138	21
			CONTRACT NO. 63745	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT N-6003 (095)				



LEGEND

- DRUM WITH STEADY BURN MONO DIRECTION LIGHT
- ← DIRECTION OF TRAFFIC



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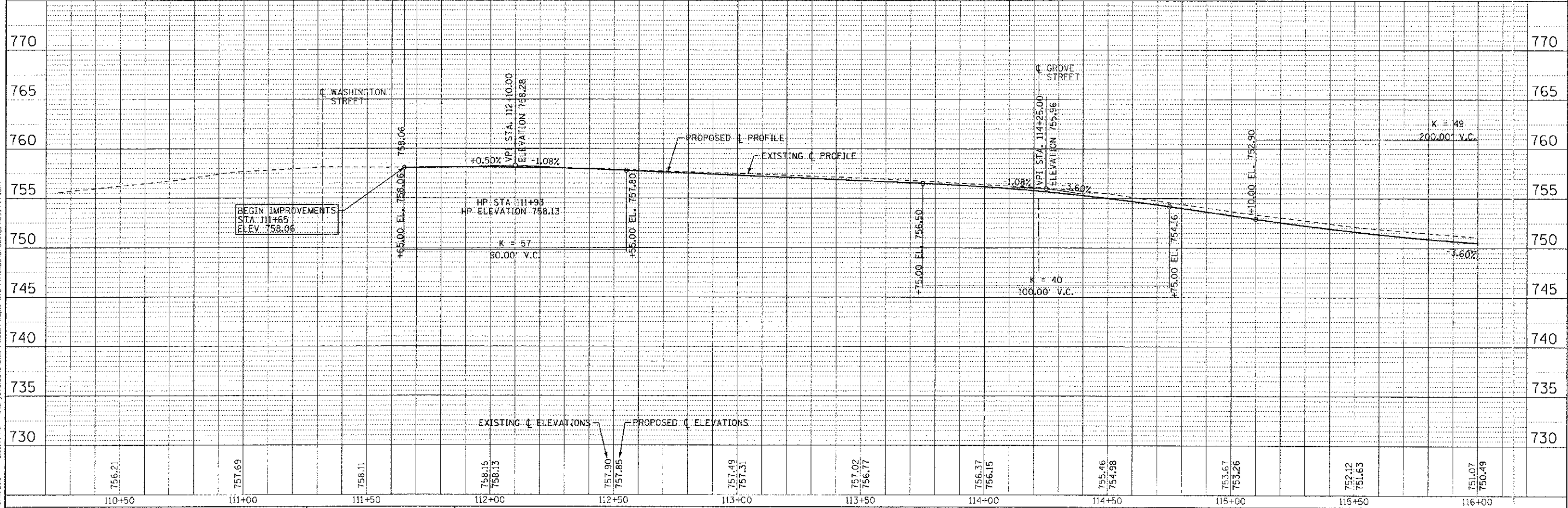
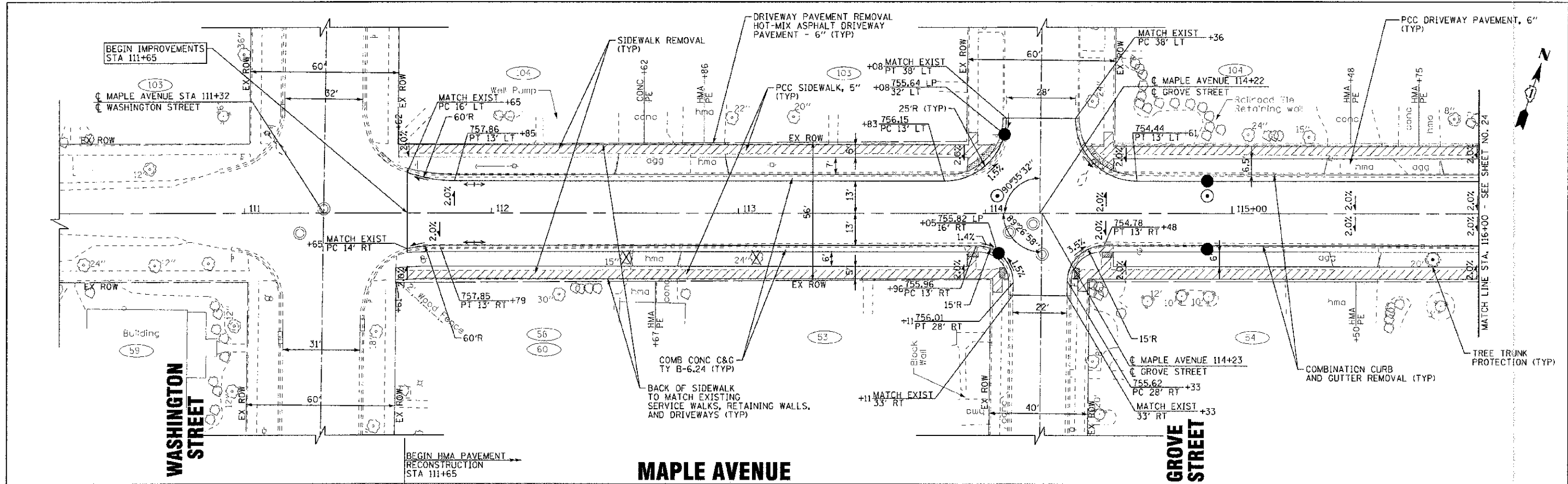
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SUGGESTED MAINTENANCE OF TRAFFIC
STAGE 3
MAPLE AVENUE

SCALE: 1" = 50'

STA. 151+50 TO STA. 180+56

F.A.U. RTL.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4006	95-00049-00-PV	KANE	138	22
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT N-8003 (095)			CONTRACT NO. 63745	

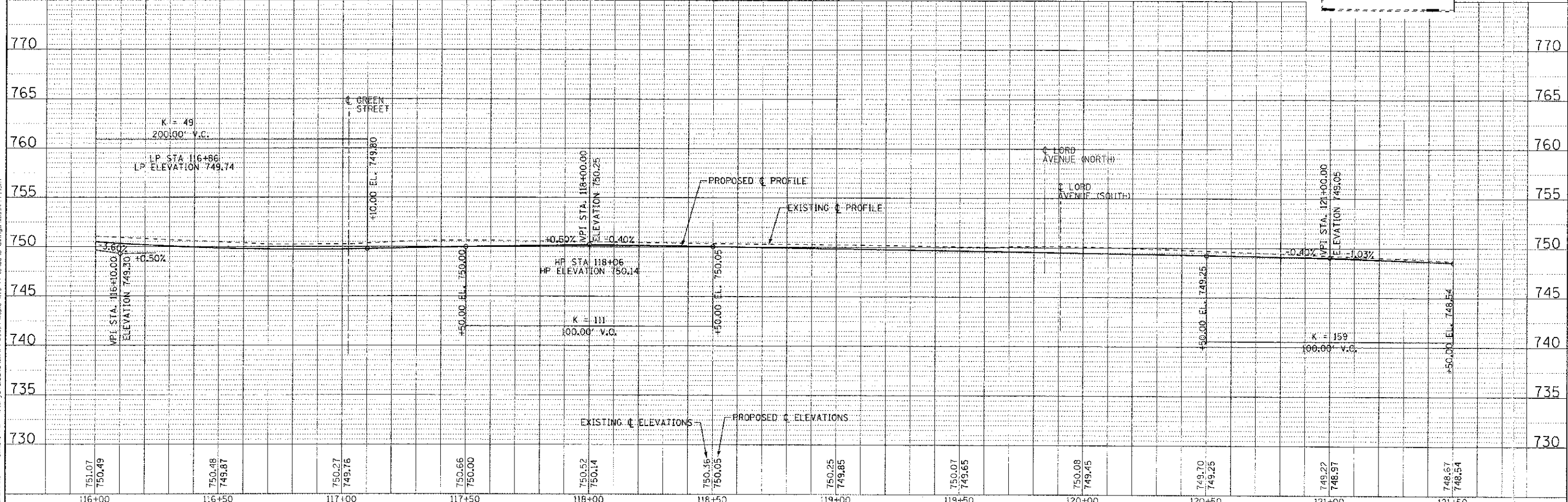
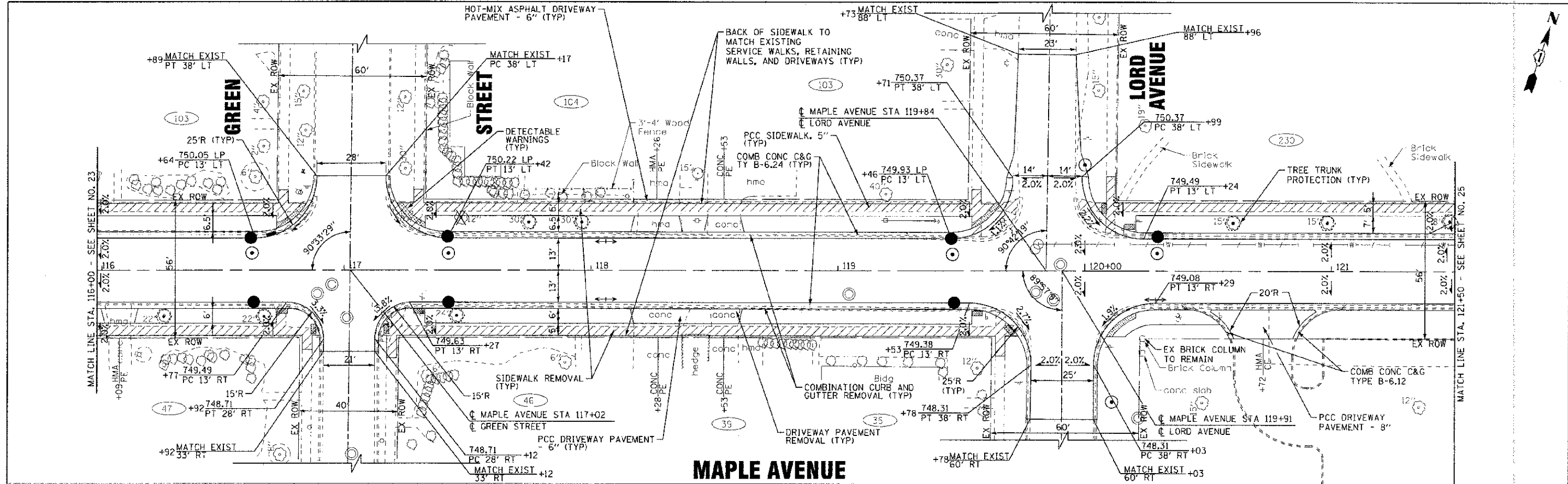


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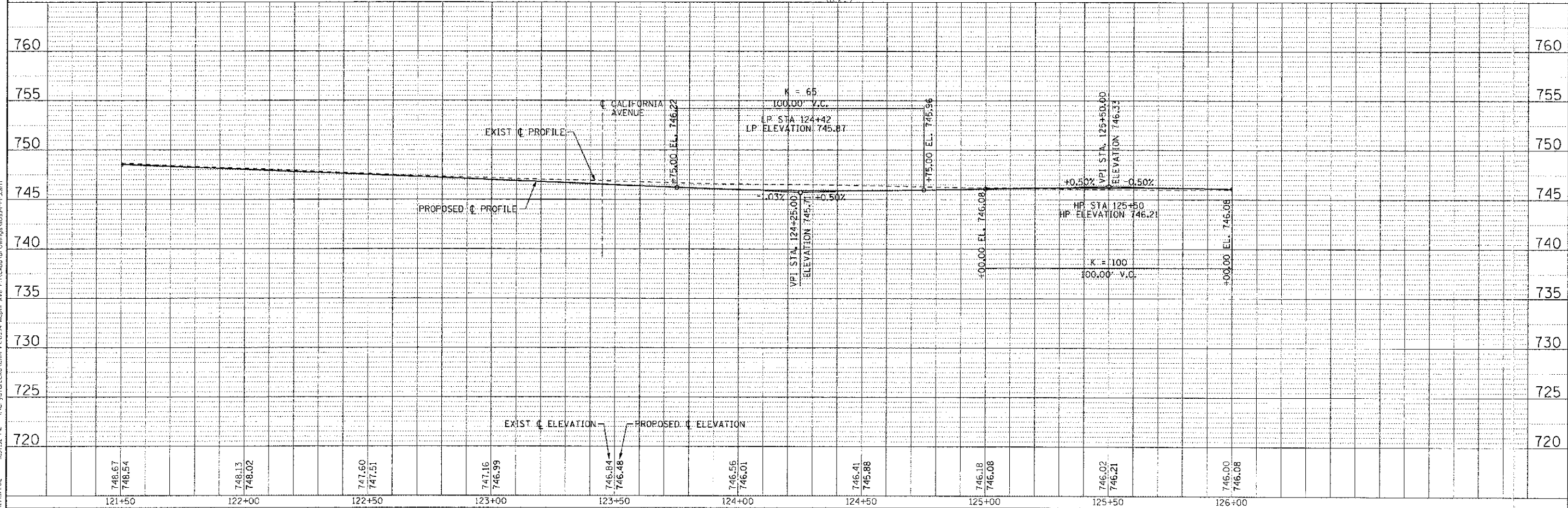
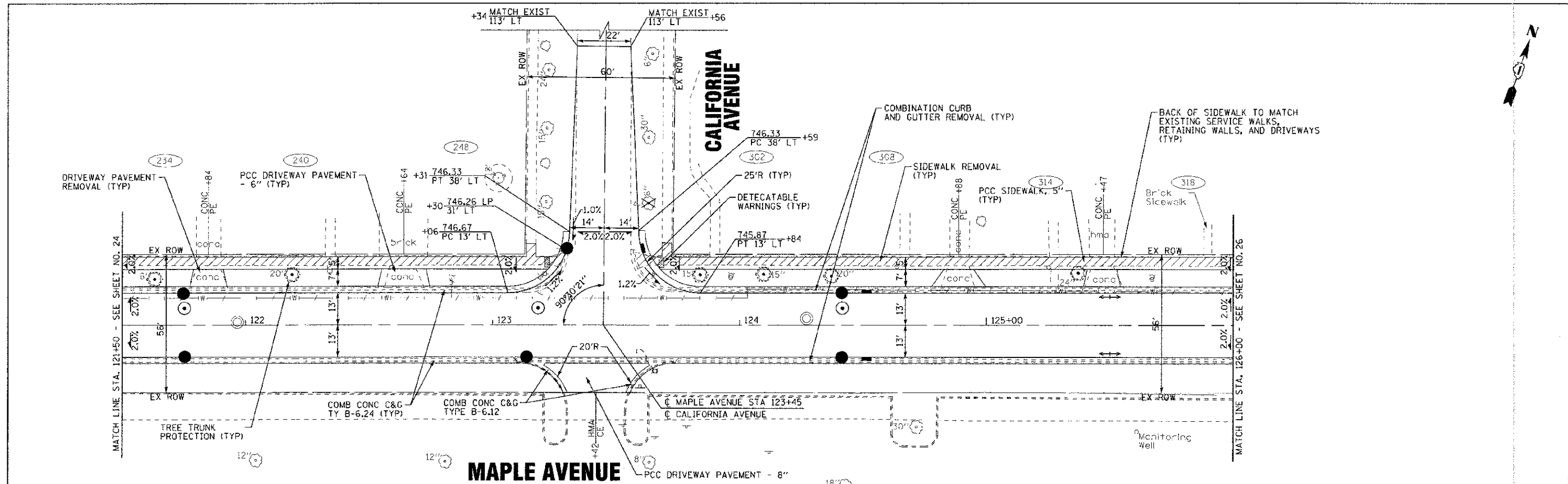
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GEOMETRIC PLAN AND PROFILE		SECTION		COUNTY		TOTAL SHEETS	
MAPLE AVENUE		95-00049-00-PY		KANE		138 23	
SCALE: H: 1"=20' V: 1"=5'				CONTRACT NO. 63745			
STA. 110+50 TO STA. 116+00				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003 10953			



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DRAWN - LKB	REVISIONS		4006	95-00049-00-PV	KANE	138	24		
CHECKED - RW	REVISIONS		SCALE: H: 1"=20' V: 1"=5'		STA. 116+00 TO STA. 121+50		CONTRACT NO. 63745		
DATE 06/20/12	FILE 110994-PP2.shd		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003-0951						



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121+50	122+00	122+50	123+00	123+50	124+00	124+50	125+00	125+50	126+00



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DEPARTMENT OF TRANSPORTATION**

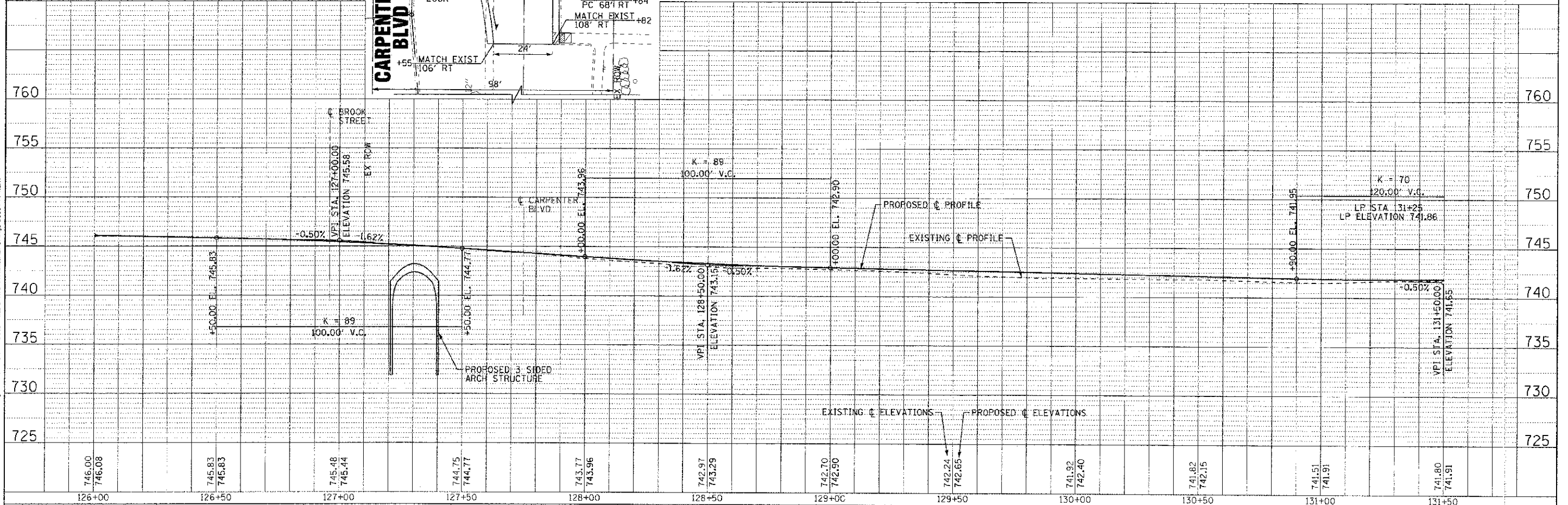
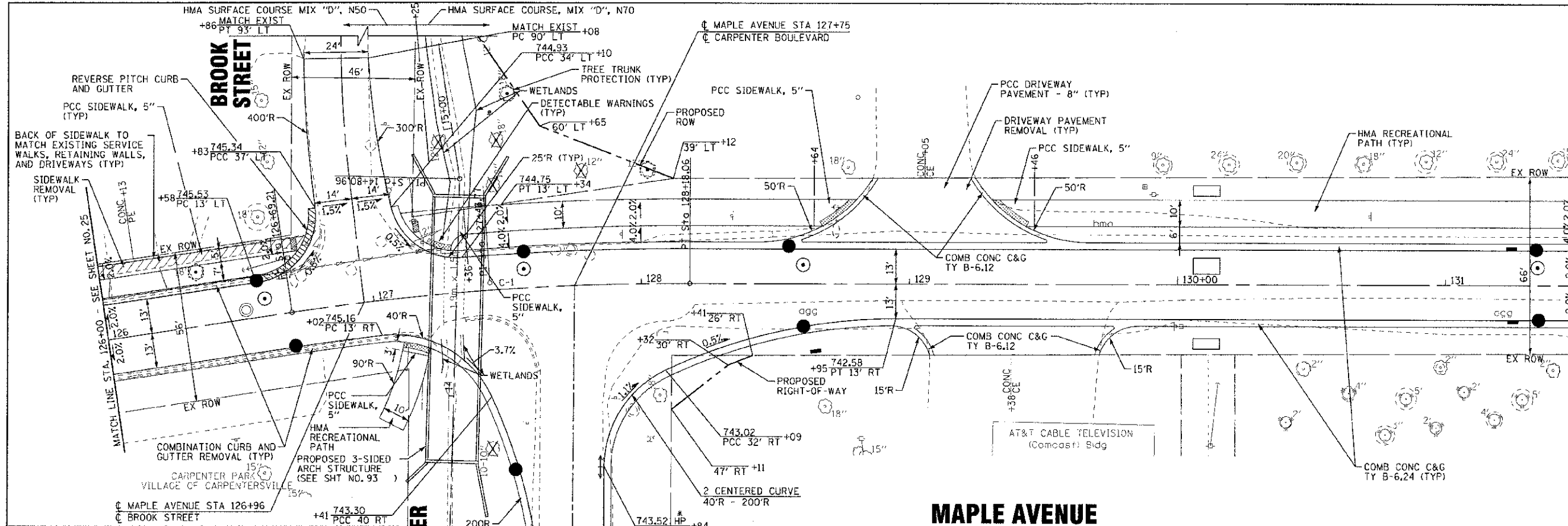
**GEOMETRIC PLAN AND PROFILE
MAPLE AVENUE**

SCALE: H: 1"=20' V: 1"=5'
STA. 121+50 TO STA. 126+00

F.A. R7.E.	SECTION	COUNTY	TOTAL SHEET NO.
4006	95-00049-03-PV	KANE	138 25
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT N-8001 (095)			CONTRACT NO. 63745

PROJECT: 95-00049-03-PV, MAPLE AVENUE, KANE COUNTY, ILLINOIS
 DRAWN BY: DJS, 10/19/12
 CHECKED BY: RWL, 06/20/12
 DATE: 06/20/12
 FILE: 110994-PP3.sht

PROP. CURVE MAPLE-CL-1
 PI STA. = 127+43.77
 $\Delta = 8^\circ 31' 44''$ (RT)
 $D = 5^\circ 43' 48''$
 $R = 999.94'$
 $T = 74.56'$
 $L = 148.85'$
 $E = 2.78'$
 $e = NC$
 T.R. = NA
 S.E. RUN = NA
 P.C. STA = 126+69.21
 P.T. STA = 128+18.06



DESIGNED - DJS
 DRAWN - UKB
 CHECKED - RWL
 DATE - 06/20/12

REVISED - PER IDOT 10/13/12
 REVISED -
 REVISED -
 FILE - 110994-PP4.sh

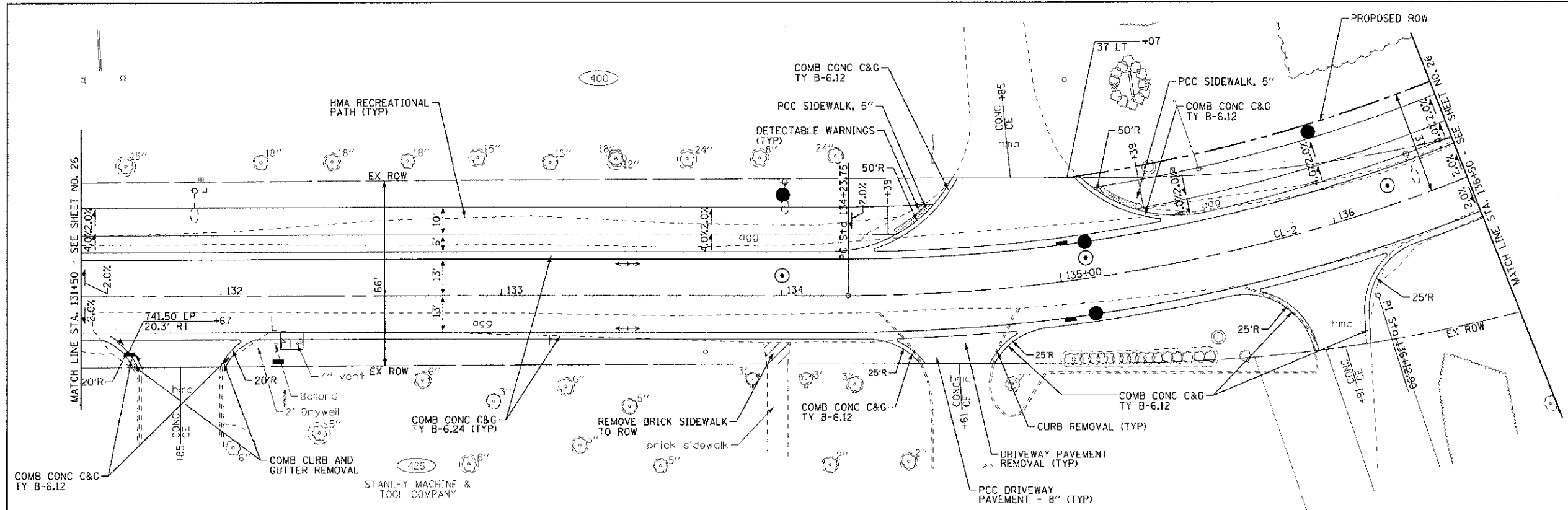
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GEOMETRIC PLAN AND PROFILE
 MAPLE AVENUE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4006	95-00049-00-PV	KANE	139	26
CONTRACT NO. 63745			FED. ROAD DIST. NO. 1 ILLINOIS; FED. AID PROJECT W-8003 (096)	

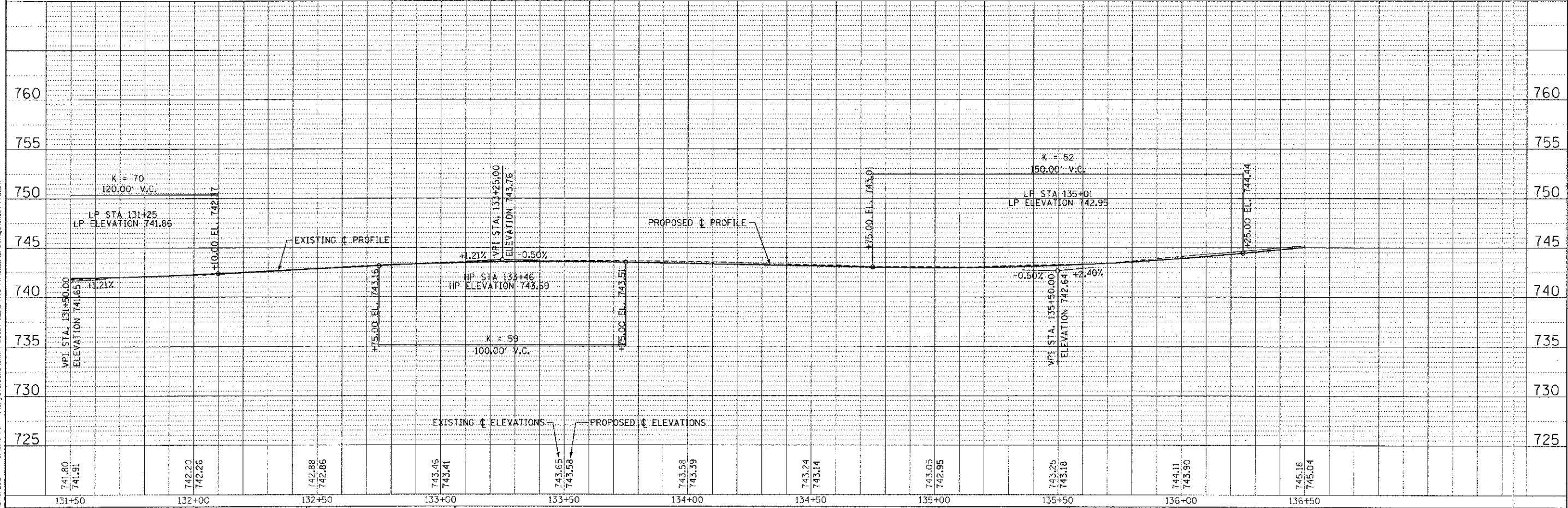
SCALE: H: 1"=20' V: 1"=5'
 STA. 126+00 TO STA. 131+50

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 LICENSE NO. 046-03081 - EXPIRES 12/31/2013
 225 W. MONROE ST., SUITE 200, CHICAGO, IL 60604-3026
 TEL: 312.467.1000 FAX: 312.467.1001
 www.bakerandbogdanski.com



PROP. CURVE MAPLE-CL-2
 PI STA. = 136+12.90
 $\Delta = 34^\circ 59' 49''$ (LT)
 $D = 9^\circ 32' 59''$
 $R = 599.97'$
 $T = 189.15'$
 $L = 366.47'$
 $E = 29.11'$
 $e = NC$
 T.R. = NA
 S.E. RUN = NA
 P.C. STA = 134+23.75
 P.T. STA = 137+90.22

MAPLE AVENUE



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 12/25/2012 3:00PM PM

DESIGNED	JJS	REVISED	- PER DOT 10/19/12
DRAWN	JKB	REVISED	-
CHECKED	RWL	REVISED	-
DATE	06/20/12	FILE	110994 PP5.sht

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

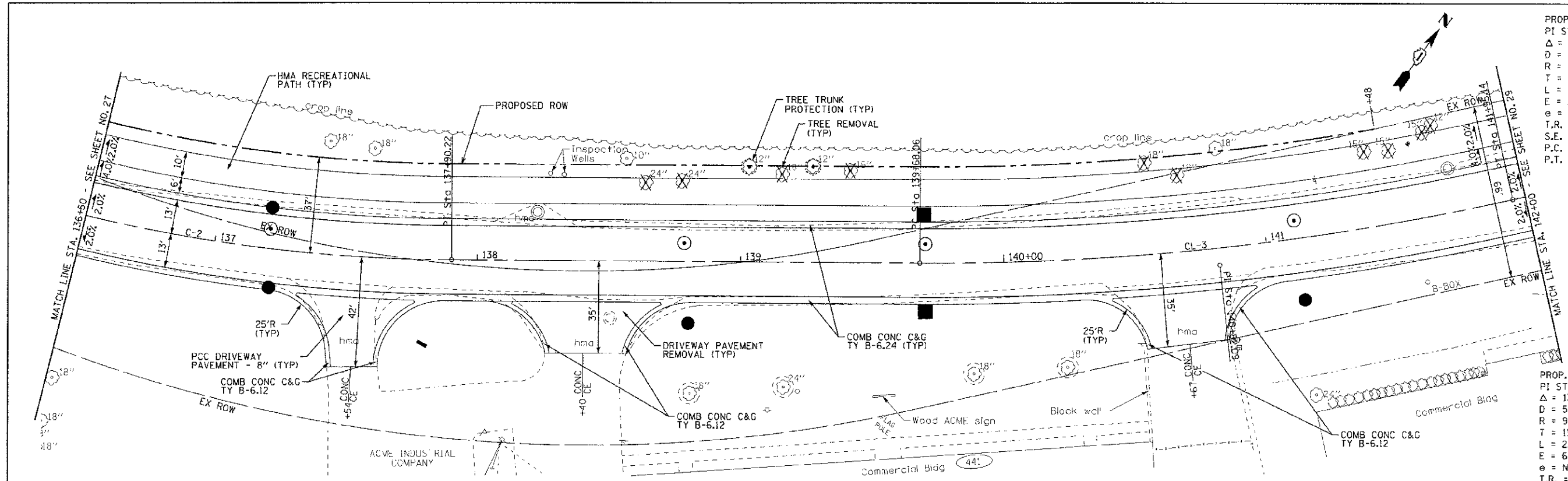
GEOMETRIC PLAN AND PROFILE
 MAPLE AVENUE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
4006	95-00049-00-PV	KANE	138 27
CONTRACT NO. 63745			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT W-8003 (096)			

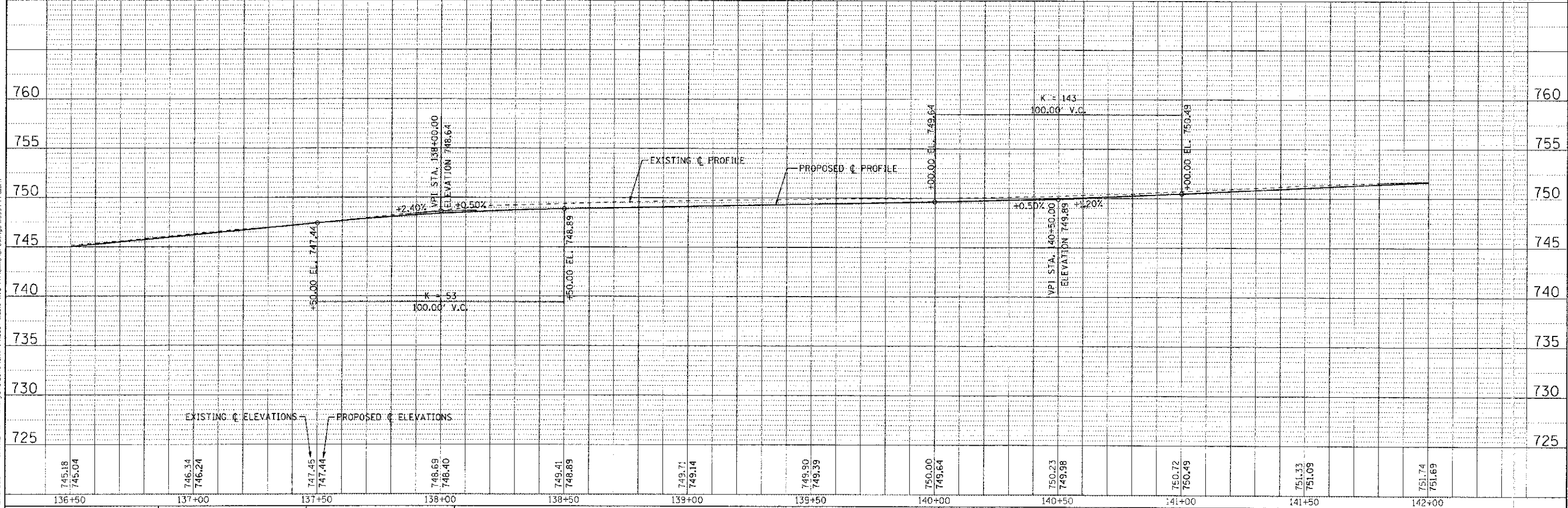
SCALE: H: 1"=20' V: 1"=5'
 STA. 131+50 TO STA. 136+50

PROP. CURVE MAPLE-CL-2
 PI STA. = 136+12.90
 $\Delta = 34^\circ 59' 49''$ (LT)
 $D = 9^\circ 32' 55''$
 $R = 599.97'$
 $T = 189.15'$
 $L = 366.47'$
 $E = 29.11'$
 $e = NC$
 T.R. = NA
 S.E. RUN = NA
 P.C. STA = 134+23.75
 P.T. STA = 137+90.22

PROP. CURVE MAPLE-CL-3
 PI STA. = 140+82.09
 $\Delta = 13^\circ 00' 40''$ (LT)
 $D = 5^\circ 43' 48''$
 $R = 999.94'$
 $T = 114.03'$
 $L = 227.07'$
 $E = 6.48'$
 $e = NC$
 T.R. = NA
 S.E. RUN = NA
 P.C. STA = 139+68.06
 P.T. STA = 141+95.14



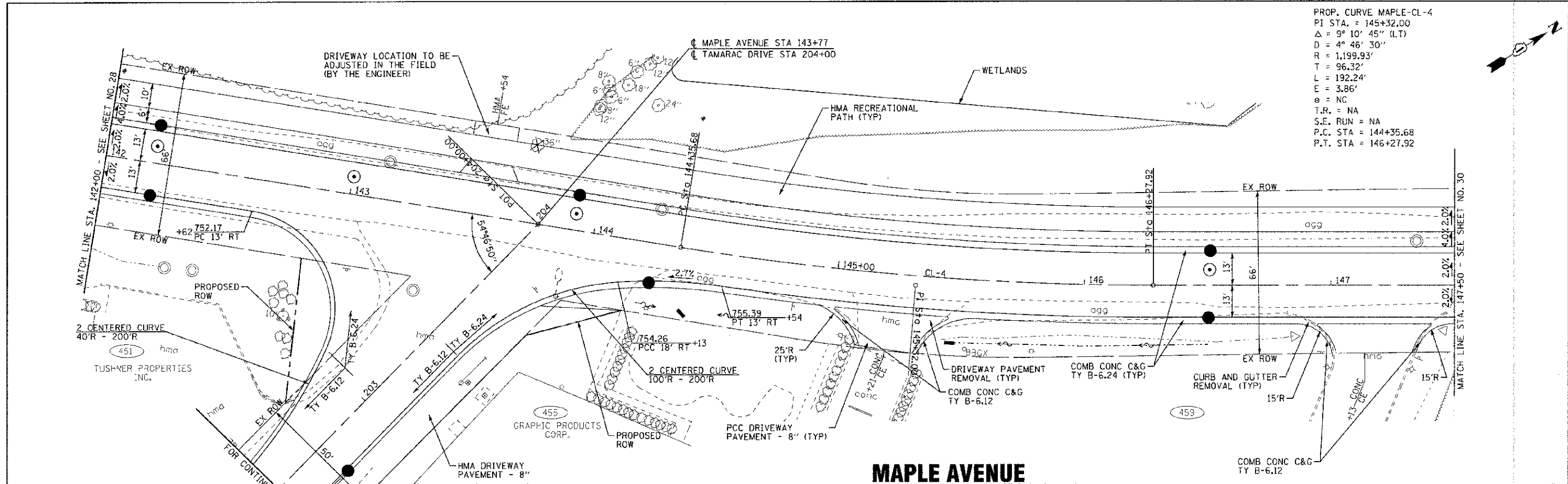
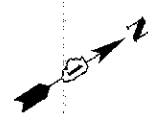
MAPLE AVENUE



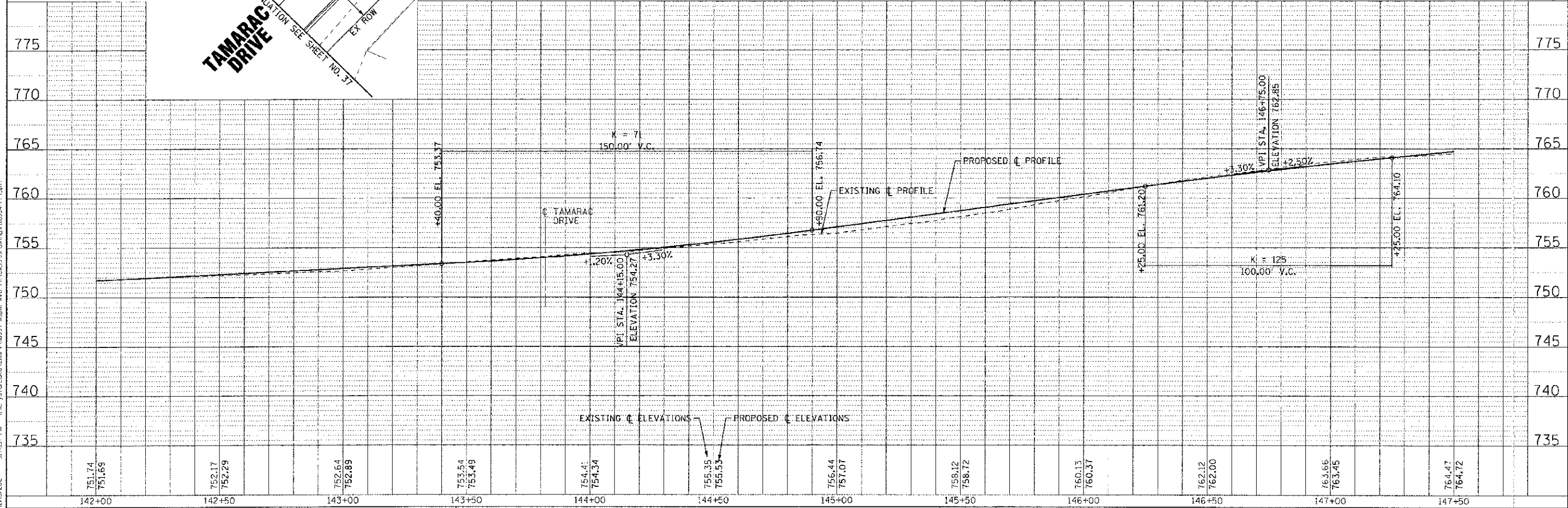
DRAWN BY: D.J.S. (DJS) 06/20/12
 CHECKED BY: UKB (UKB) 06/20/12
 DATE: 06/20/12
 FILE: 110994_PP6.sht
 PROJECT: 95-00049-00-PV
 COUNTY: KANE
 SHEET NO.: 13B
 TOTAL SHEETS: 28
 CONTRACT NO.: 63745
 FEDERAL ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003 (0957)

	DESIGNED - DJS	REVISED - PER IDOT 10/19/12	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GEOMETRIC PLAN AND PROFILE MAPLE AVENUE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - UKB	REVISED -				4006	95-00049-00-PV	KANE	13B	28
DATE - 06/20/12	FILE - 110994_PP6.sht		SCALE: H: 1"=20' V: 1"=5'		STA. 136+50 TO STA. 142+00	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003 (0957)				

PROP. CURVE MAPLE-CL-4
 PI STA. = 145+32.00
 $\Delta = 9^\circ 10' 45''$ (L.T)
 $D = 4^\circ 46' 30''$
 $R = 1,199.93'$
 $T = 96.32'$
 $L = 192.24'$
 $E = 3.86'$
 $e = NC$
 T.R. = NA
 S.E. RUN = NA
 P.C. STA = 144+35.68
 P.T. STA = 146+27.92



MAPLE AVENUE



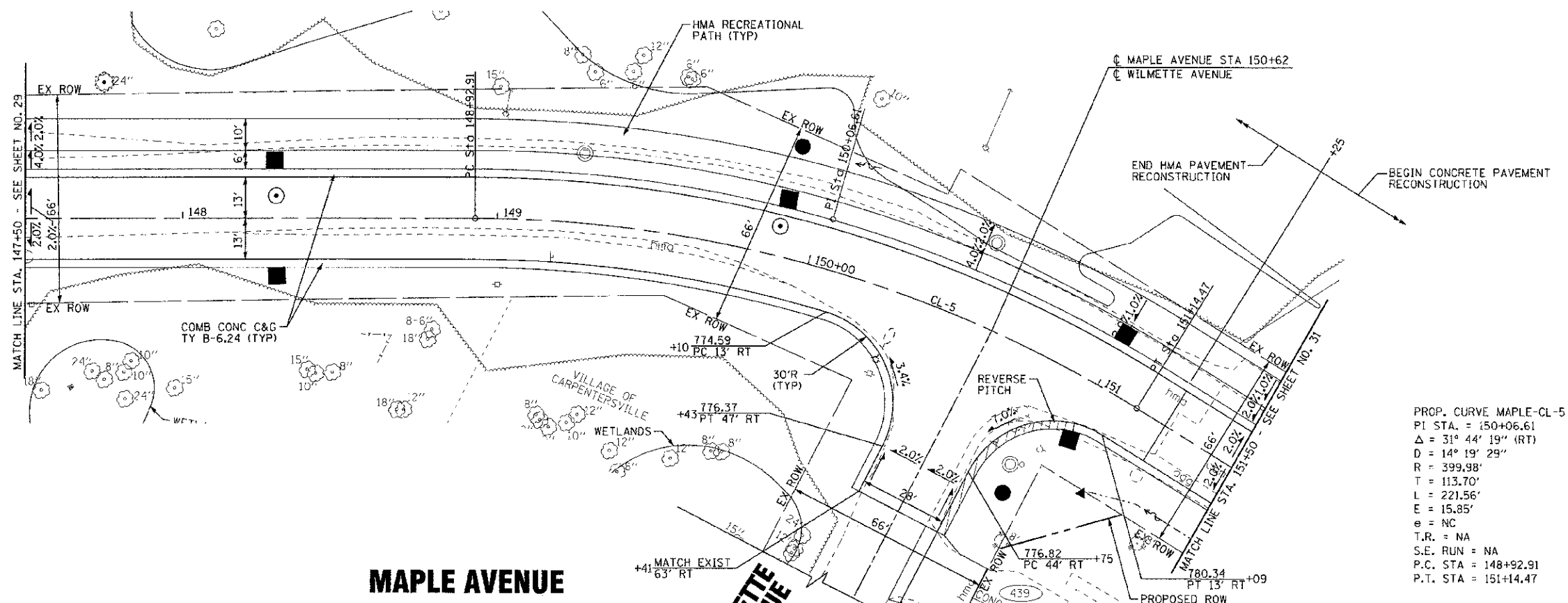
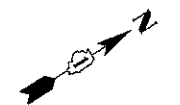
142+00	142+50	143+00	143+50	144+00	144+50	145+00	145+50	146+00	146+50	147+00	147+50
751.74 751.69	752.17 752.29	752.64 752.89	753.54 753.49	754.41 754.34	755.35 755.53	756.44 757.07	758.12 758.72	760.13 760.37	762.12 762.00	763.66 763.45	764.47 764.72

DESIGNED - DJS	REVISED - PER IDOT 10/19/12
DRAWN - UKB	REVISED -
CHECKED - RWL	REVISED -
DATE - 06/20/12	FILE - 110994-PP7.sht

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

GEOMETRIC PLAN AND PROFILE MAPLE AVENUE		F.A. R'E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: H: 1"=20' V: 1"=5'		4006	95-00049-00-PV	KANE	138	29
STA. 142+00 TO STA. 147+50		CONTRACT NO. 63745				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT N-8005 (095)						

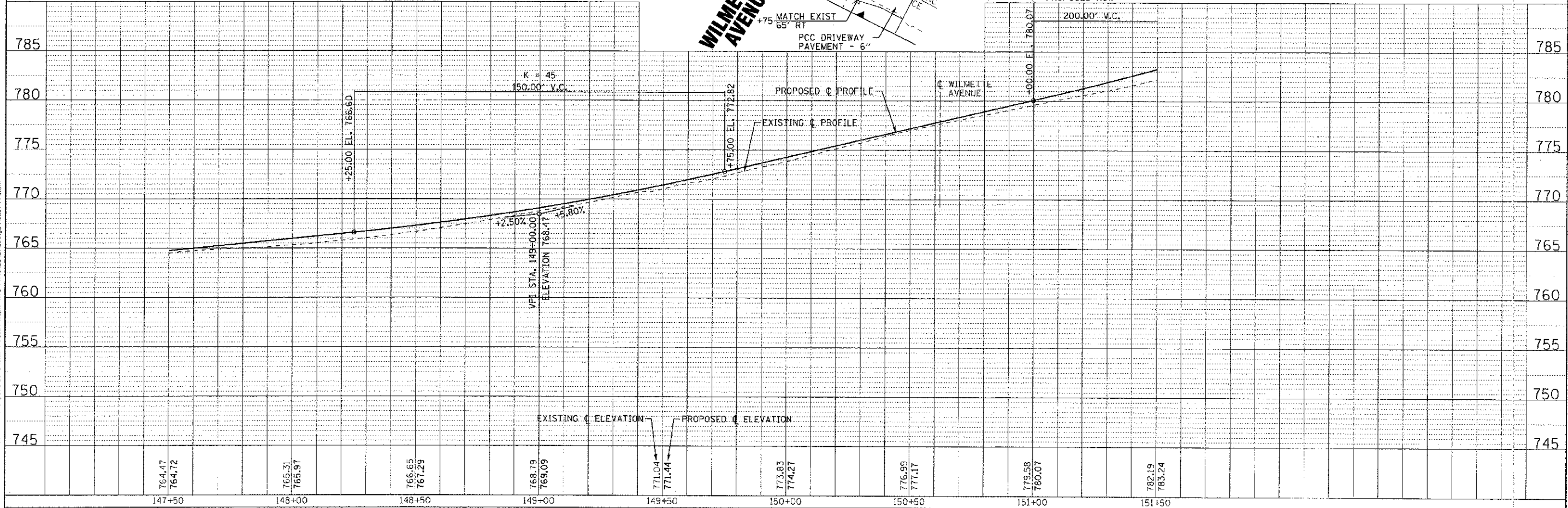
DRAWN BY: BAXTER & WOODMAN, INC.
 PROJECT NO.: 95-00049-00-PV
 SHEET NO.: 29
 DATE: 06/20/12
 FILE: 110994-PP7.sht



PROP. CURVE MAPLE-CL-5
 PI STA. = 150+06.61
 Δ = 31° 44' 19" (RT)
 D = 14° 19' 29"
 R = 399.98'
 T = 113.70'
 L = 221.56'
 E = 15.85'
 e = NC
 T.R. = NA
 S.E. RUN = NA
 P.C. STA = 148+92.91
 P.T. STA = 151+14.47

MAPLE AVENUE

WILMETTE AVENUE



764.47	764.72	765.31	765.97	766.65	767.29	768.79	769.09	771.04	771.44	773.83	774.27	776.99	777.17	779.58	780.07	782.19	783.24
147+50		148+00		148+50		149+00		149+50		150+00		150+50		151+00		151+50	

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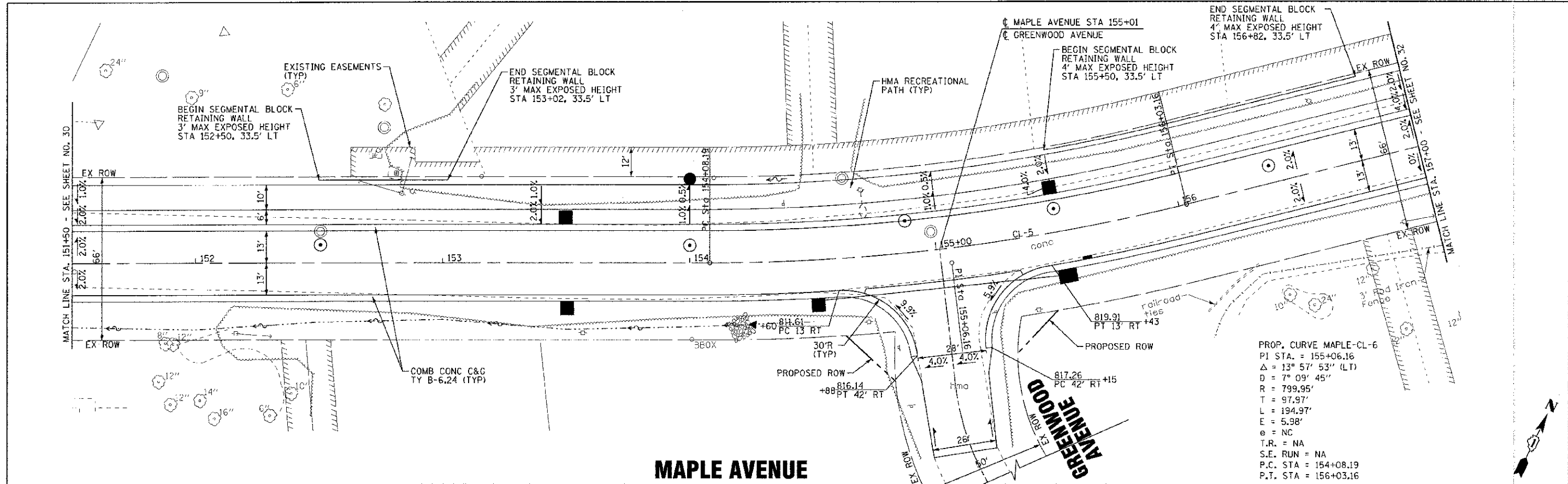
DESIGNED - DJS	REVISED - PER IDOT 10/19/12
DRAWN - UKB	REVISED
CHECKED - RWL	REVISED
DATE - 06/20/12	FILE - 110994-PP8.sht

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GEOMETRIC PLAN AND PROFILE
 MAPLE AVENUE**

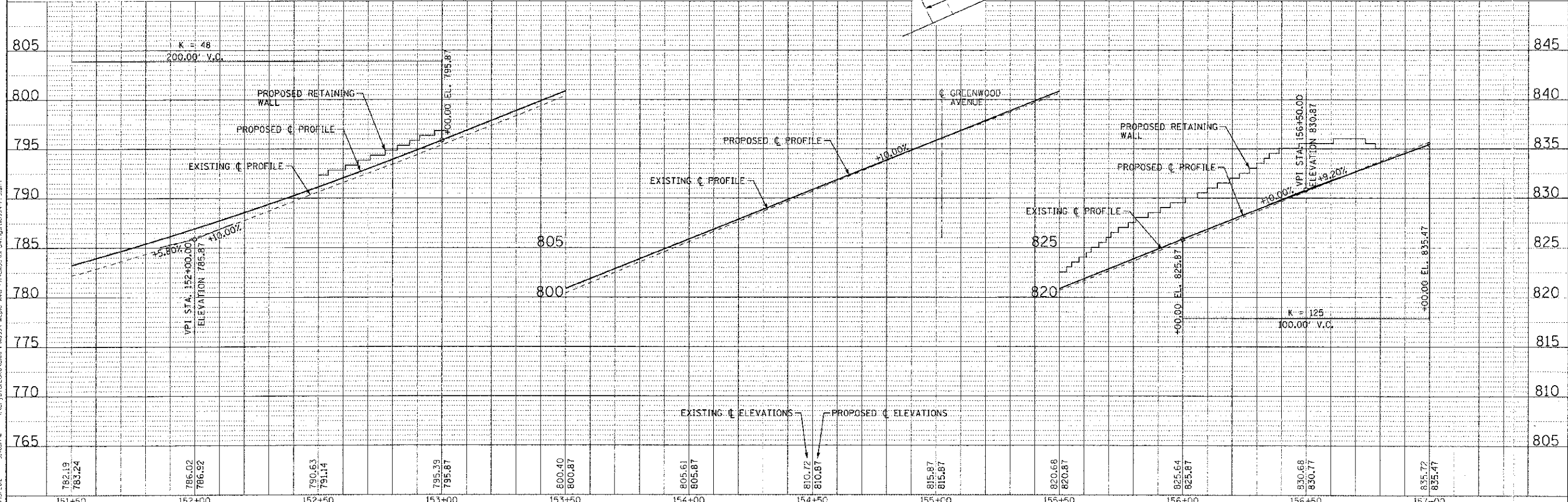
SCALE: H: 1"=20' V: 1"=5'
 STA. 147+50 TO STA. 151+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4006	95-00049-00-PV	KANE	138	30
CONTRACT NO. 63745			FFD, ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT W-8003 (0951)	



MAPLE AVENUE

PROP. CURVE MAPLE-CL-6
 PI STA. = 155+06.16
 Δ = 13° 57' 53" (LT)
 D = 7° 09' 45"
 R = 799.95'
 T = 97.97'
 L = 194.97'
 E = 5.98'
 e = NC
 T.R. = NA
 S.E. RUN = NA
 P.C. STA = 154+08.19
 P.T. STA = 156+03.16

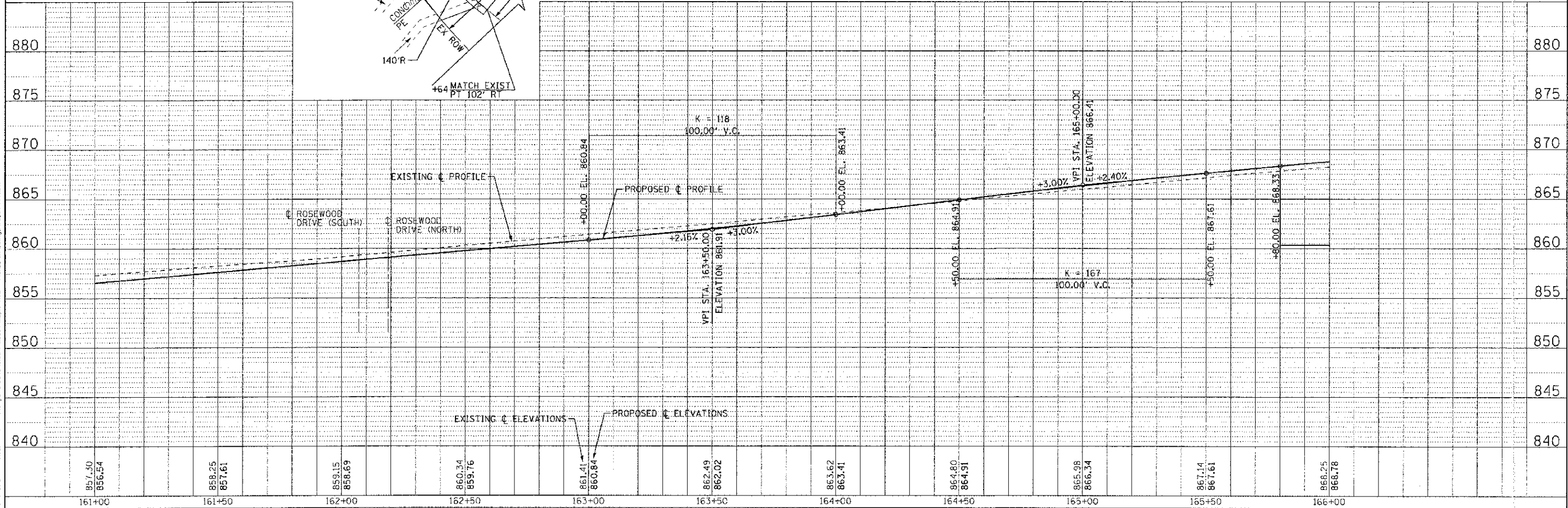
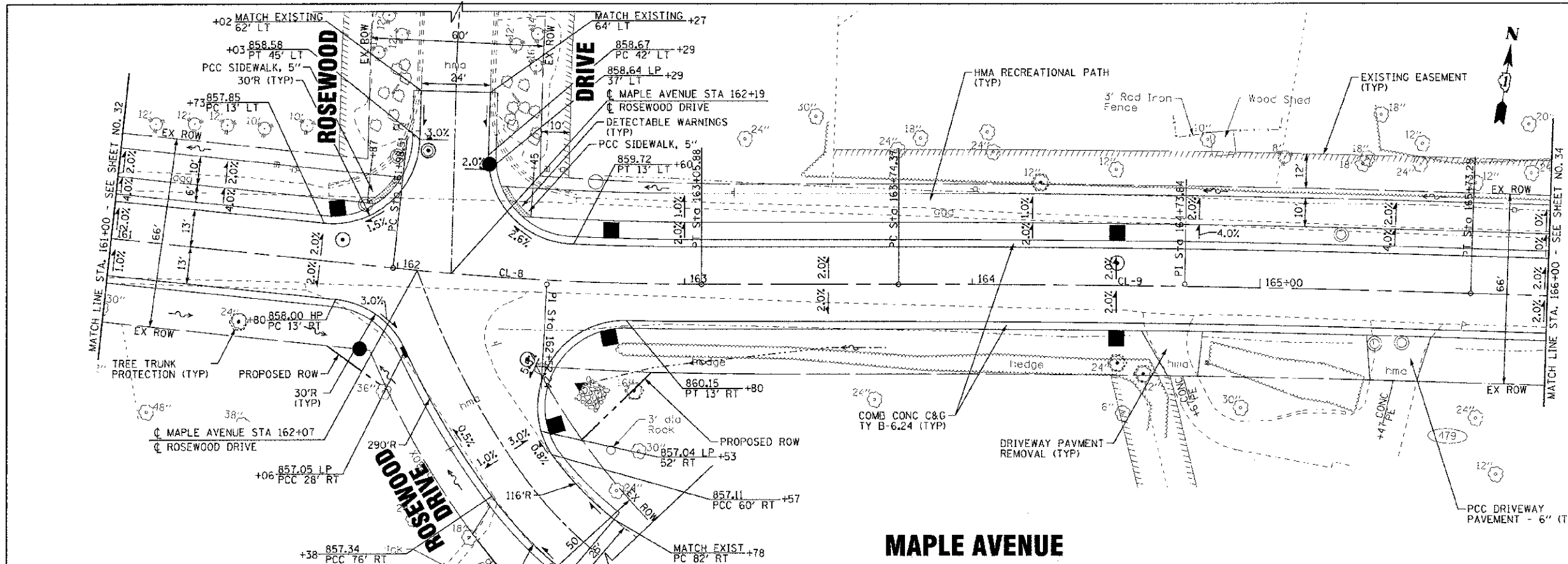


DESIGNED - DJS	REVISED - PER 1007 10/19/12	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GEOMETRIC PLAN AND PROFILE MAPLE AVENUE		F.A. RTE. 4006	SECTION 95-00049-00-PV	COUNTY KANE	TOTAL SHEETS 138	SHEET NO. 31
DRAWN - LKB	REVISED -		SCALE: H: 1"=20' V: 1"=5'	STA. 151+50 TO STA. 157+00	FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT W-8003 10995	CONTRACT NO. 63745		
CHECKED - RWL	REVISED -								
DATE 06/20/12	FILE 110994-PP9.sht								

CONTRACT NO. 63745
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 PROJECT NO. 95-00049-00-PV
 SHEET NO. 31 OF 138
 DATE 06/20/12
 FILE 110994-PP9.sht

PROP. CURVE MAPLE-CL-8
 PI STA. = 162+52.24
 $\Delta = 6^{\circ} 09' 07''$ (LT)
 $D = 5^{\circ} 43' 48''$
 $R = 999.94'$
 $T = 53.73'$
 $L = 107.37'$
 $E = 1.44'$
 $e = NC$
 T.R. = NA
 S.E. RUN = NA
 P.C. STA = 161+98.51
 P.T. STA = 163+05.88

PROP. CURVE MAPLE-CL-9
 PI STA. = 164+73.84
 $\Delta = 1^{\circ} 50' 18''$ (RT)
 $D = 0^{\circ} 55' 27''$
 $R = 6,199.64'$
 $T = 99.47'$
 $L = 198.92'$
 $E = 0.80'$
 $e = NC$
 T.R. = NA
 S.E. RUN = NA
 P.C. STA = 163+74.37
 P.T. STA = 165+73.29



DESIGNED - DJS	REVISED - PER IDOT 10/19/12
DRAWN - UKB	REVISED
CHECKED - RWE	REVISED
DATE - 06/20/12	FILE - 110994-PP11.sht

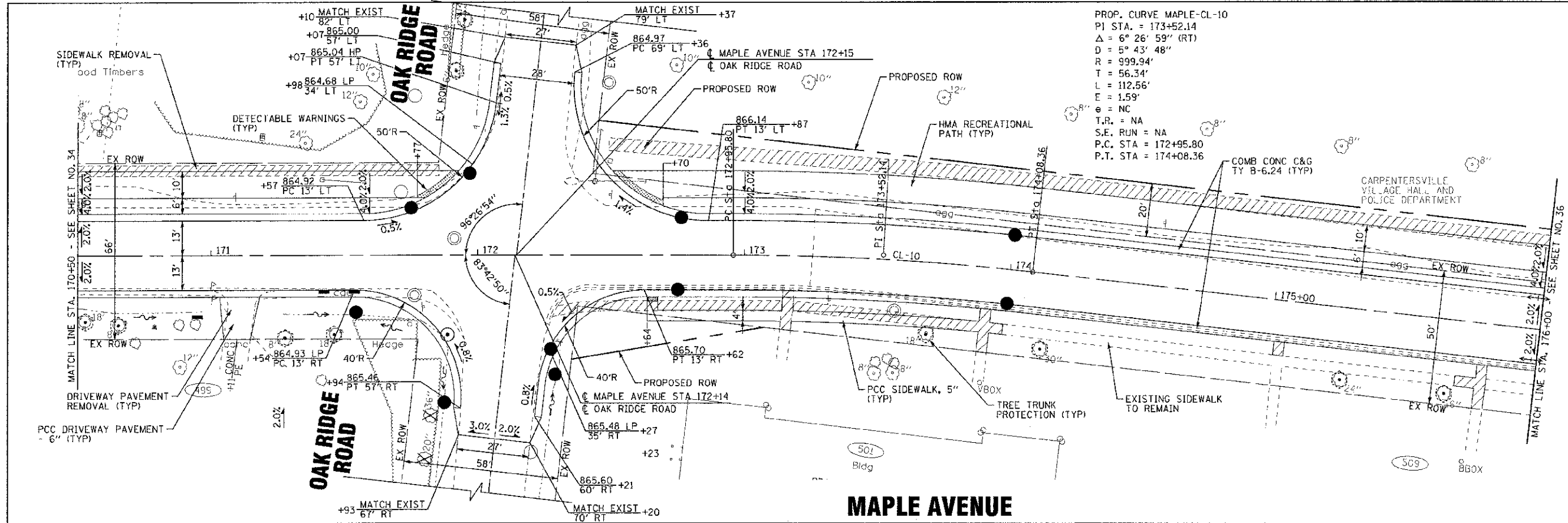
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GEOMETRIC PLAN AND PROFILE
MAPLE AVENUE

SCALE: H: 1"=20' V: 1"=5'
 SIA. 161+00 TO STA. 166+00

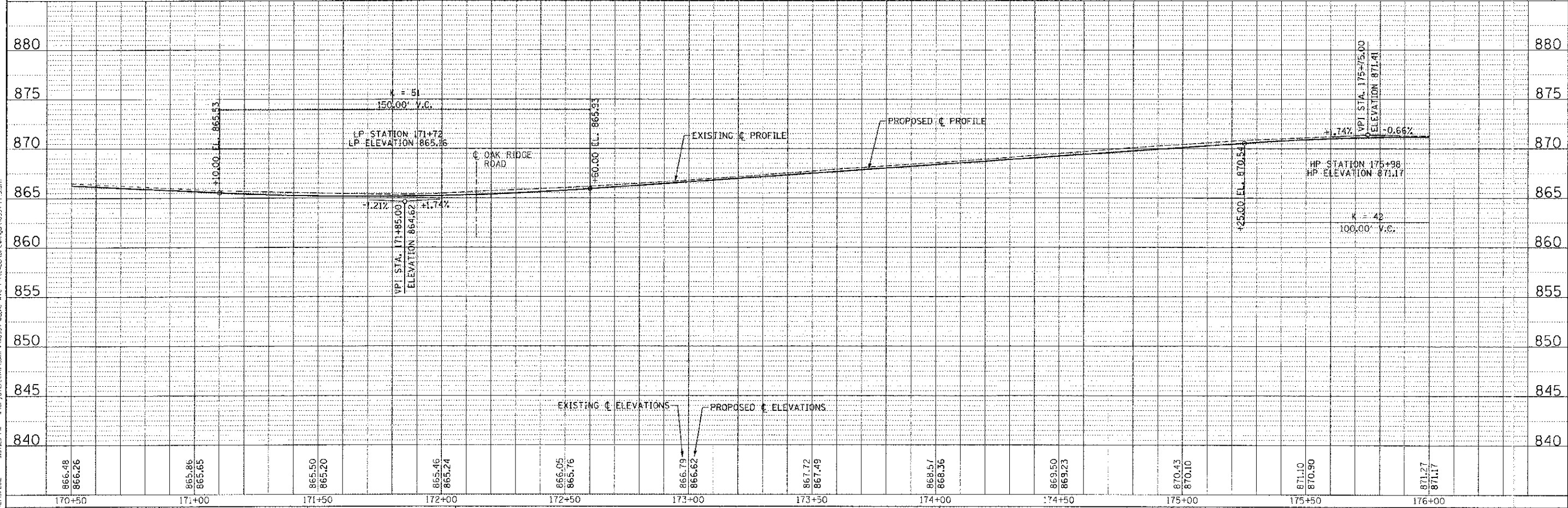
F.A. RTE. 4006	SECTION 95-00049-00-PV	COUNTY KANE	TOTAL SHEETS 33
FED. ROAD DIST. NO. 3		ILLINOIS FED. AID PROJECT M-6003-10953	CONTRACT NO. 63745

COMPANY: R. J. MATHIAS & ASSOCIATES, INC.
 STATE OF ILLINOIS - PROFESSIONAL DESIGNER
 LICENSE NO. 181-000071 - EXPIRES 12/31/2013
 2/15/2012



PROP. CURVE MAPLE-CL-10
 PI STA. = 173+52.14
 $\Delta = 6^\circ 26' 59''$ (RT)
 $D = 5^\circ 43' 48''$
 $R = 999.94'$
 $T = 56.34'$
 $L = 112.56'$
 $E = 1.59'$
 $\theta = NC$
 $T.R. = NA$
 $S.E. RUN = NA$
 $P.C. STA = 172+95.80$
 $P.T. STA = 174+08.36$

MAPLE AVENUE



PREPARED BY: BAXTER & WOODMAN, INC.
 SCALE: 1" = 20' HORIZ. 1" = 5' VERT.
 DESIGNER: D.J.S.
 DRAWN: U.K.B.
 CHECKED: R.W.L.
 DATE: 06/20/12
 PROJECT: 95-00049-00-PV
 SHEET NO.: 35
 CONTRACT NO.: 63745



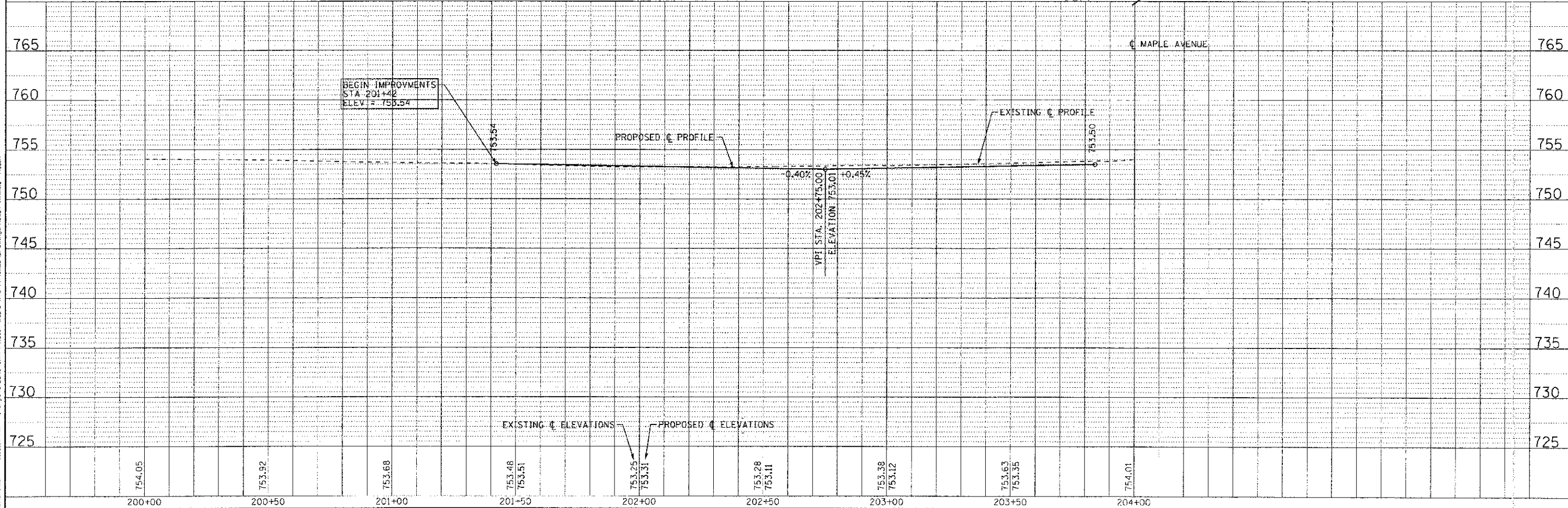
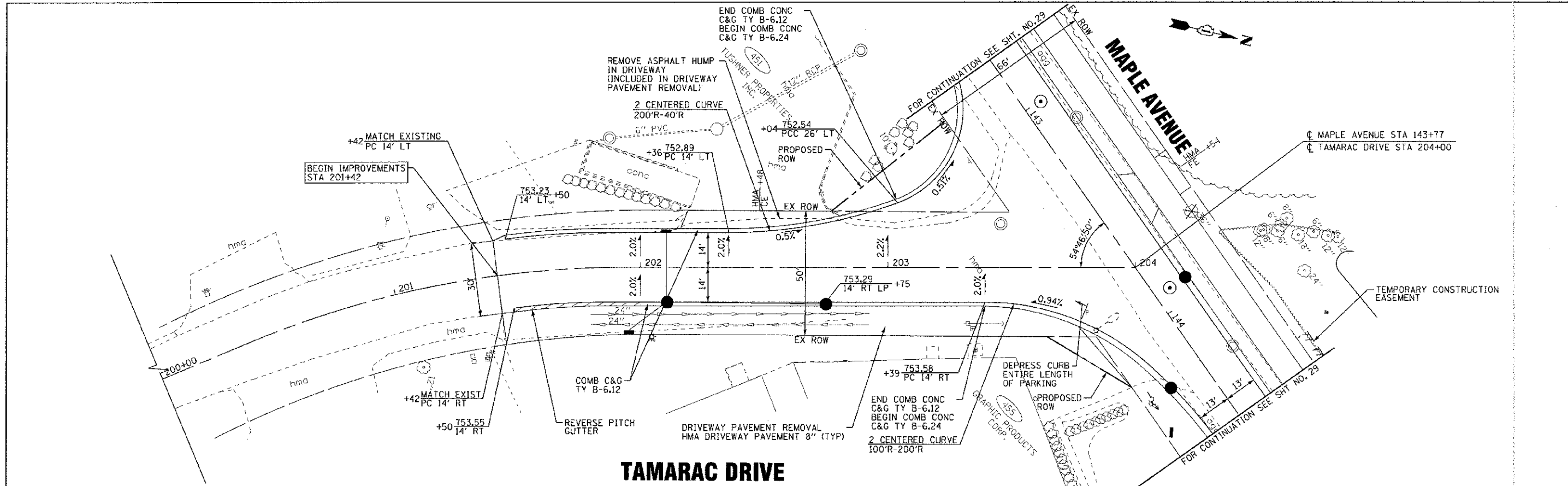
DESIGNED - DJS	REVISED - PER IDOT 10/19/12
DRAWN - UKB	REVISED -
CHECKED - RWL	REVISED -
DATE - 06/20/12	FILE - 110994-PP13.sht

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GEOMETRIC PLAN AND PROFILE
MAPLE AVENUE**

SCALE: H: 1"=20' V: 1"=5' STA. 170+50 TO STA. 176+00

F.A. R.F.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4006	95-00049-00-PV	KANE	138	35
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT # 8003 (095)			CONTRACT NO. 63745	



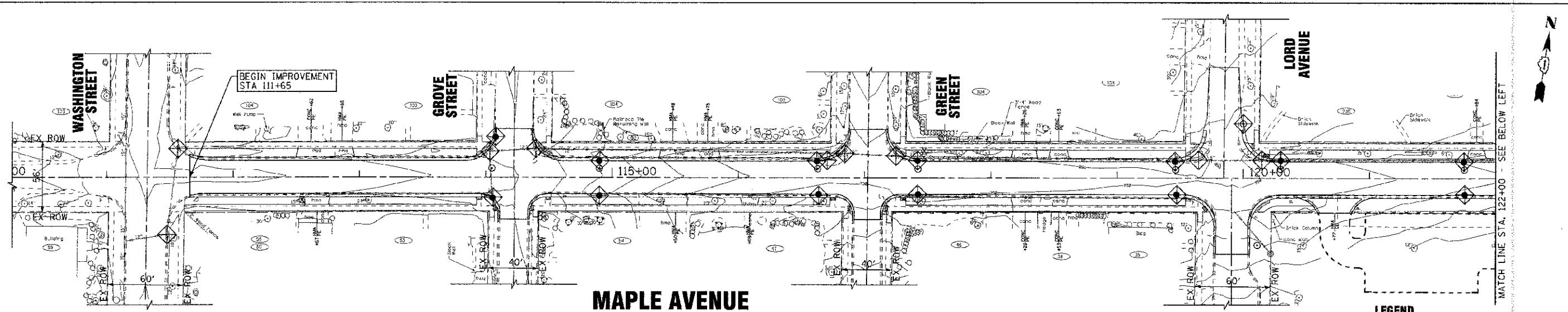
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 LICENSE NO. 18-0022 - EXPIRES 12/31/2013
 2245 S. WOODSTOCK AVENUE, SUITE 100, CHICAGO, ILLINOIS 60608

DESIGNED -	DJS	REVISED PER	DOT 07/19/12
DRAWN -	UK3	REVISED	-
CHECKED -	RWL	REVISED	-
DATE -	06/20/12	FILE -	110994-TAMARAC-PP15.sht

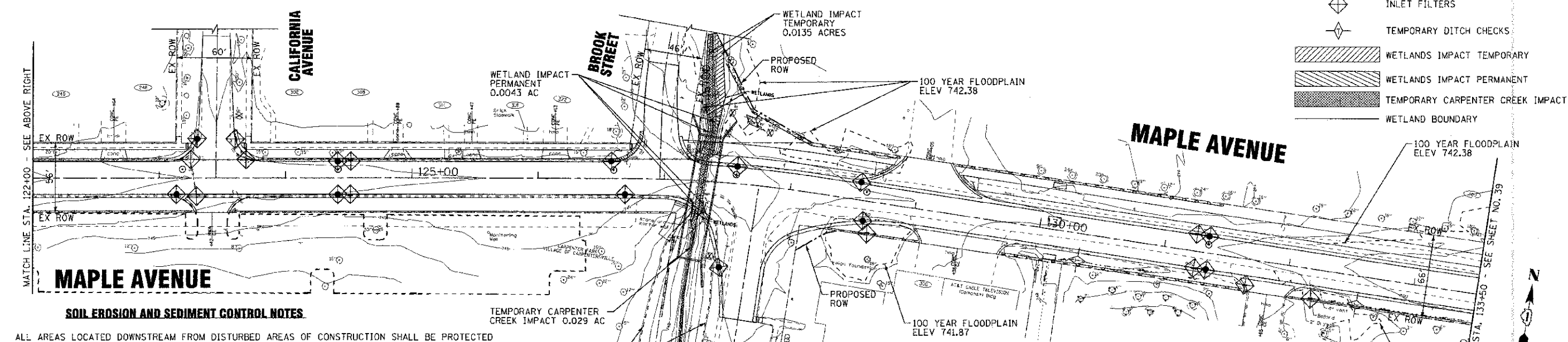
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GEOMETRIC PLAN AND PROFILE
TAMARAC DRIVE
 SCALE: H: 1"=20' V: 1"=5'
 STA. 200+00 TO STA. 204+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
4006	95-00049-G0-PV	KANE	138 37
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT W-8003 (095)		CONTRACT NO. 63745	



MAPLE AVENUE



MAPLE AVENUE

SOIL EROSION AND SEDIMENT CONTROL NOTES

- A. ALL AREAS LOCATED DOWNSTREAM FROM DISTURBED AREAS OF CONSTRUCTION SHALL BE PROTECTED FROM POTENTIAL INCREASE OF EROSION AND SEDIMENT RESULTING FROM UPSTREAM ACTIVITIES.
- B. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. AREA OF CONSTRUCTION SITE THAT ARE NOT TO BE GRADED SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC OR OTHER DISTURBANCE UNTIL FINAL SEEDING IS PERFORMED.
- C. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED AND FUNCTIONAL PRIOR TO THE START OF DISTURBANCE.
- D. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED; BUT IN NO CASE SHALL THESE MEASURES BE INSTALLED MORE THAN 7 DAYS AFTER THE CONSTRUCTION IN THIS AREA TEMPORARILY OR PERMANENTLY CEASES.
- E. ALL STORM SEWER STRUCTURES THAT RECEIVE RUNOFF DURING CONSTRUCTION SHALL INCLUDE INLET PROTECTION FILTERS TO PREVENT DEBRIS AND EXCESSIVE SEDIMENT FROM ENTERING THE STORM SEWER SYSTEM. THESE PROTECTIVE MEASURES SHALL BE PROPERLY INSTALLED, MAINTAINED, AND REMOVED IN THEIR ENTIRETY AFTER THE AREA TRIBUTARY TO THE STORM STRUCTURE IS STABILIZED.
- F. DISCHARGES FROM DEWATERING OPERATIONS SHALL ENTER OR BE ROUTED THROUGH A SEDIMENT BAG OR OTHER EROSION CONTROL DEVICE APPROVED BY THE ENGINEER PRIOR TO DISCHARGE.
- G. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE PROPERLY STABILIZED OR DISPOSED.
- H. REPAIR, REPLACE OR MAINTAIN EROSION AND SEDIMENT CONTROL STRUCTURES AFTER A RAINFALL EVENT OF 1/2 INCH OR MORE OVER A 24-HOUR PERIOD AND ON A BIWEEKLY BASIS AS A MINIMUM.
- I. MAKE ADJUSTMENTS TO THE SEDIMENTATION AND EROSION CONTROL PLAN AND METHODS, AS NEEDED, TO ACCOMPLISH THE INTENDED PURPOSE.
- J. ALL ADJACENT ROADWAYS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY, AND CLEANED WHEN NECESSARY OR AS DETERMINED BY THE VILLAGE OF CARPENTERSVILLE OR THE ENGINEER.

SOIL EROSION AND SEDIMENT CONTROL NOTES CONT.

- K. THE CONTRACTOR SHALL NOT CAUSE OR PERMIT THE DUMPING, DEPOSITING, DROPPING, THROWING, DISCARDING OR LEAVING OF CONSTRUCTION MATERIAL AND/OR DEBRIS UPON LOCATIONS MEANT TO CONVEY SITE DRAINAGE.
- L. IF THE CONTRACTOR IS NOTIFIED BY THE ENGINEER OF AN EROSION AND SEDIMENT CONTROL DEFICIENCY, THE DEFICIENCY MUST BE CORRECTED WITHIN 24-HOURS OF BEING NOTIFIED.
- M. NO STOCKPILING OF MATERIAL ALLOWED IN THE FLOODPLAIN.
- N. THE CONTRACTOR SHALL CONTACT THE U.S. ARMY CORPS OF ENGINEERS (ACOE), CHICAGO DISTRICT AT 312-846-5532 PRIOR BEGINNING WORK WITHIN A WATERWAY. THE MEANS AND METHODS FOR COMPLETING WORK WITHIN A WATERWAY MUST BE APPROVED BY ACOE PRIOR TO COMMENCEMENT OF WORK. ACOE WILL APPROVE PLANS TO ENSURE EROSION CONTROL STANDARDS ONLY. ALL WORK NEEDED TO SATISFY ACOE REQUIREMENTS SHALL BE INCLUDED IN THE COST FOR REMOVING EXISTING STRUCTURES.
- O. WORK WITHIN A WATERWAY SHALL BE TIMED TO TAKE PLACE DURING LOW OR NO-FLOW CONDITIONS. NO EQUIPMENT SHALL ENTER THE WATER AT ANY TIME.
- Q. IF BYPASS PUMPING IS NECESSARY, THE PUMP SHALL BE PLACED ON A STABLE SURFACE OR FLOATED TO PREVENT SEDIMENT FROM BEING SUCKED INTO THE HOSE. THE BYPASS DISCHARGE SHALL BE PLACED ON A NON-ERODIBLE, ENERGY DISSIPATING SURFACE PRIOR TO REJOINING THE STREAM FLOW AND SHALL NOT CAUSE EROSION OF DOWNSTREAM AREAS. CLEANING OR FILTERING OF BYPASS WATER IS NOT NECESSARY UNLESS OTHERWISE REQUIRED.
- R. SIDE SLOPES SHALL BE RESEEDED AND STABILIZED WITH AN APPROPRIATE EROSION CONTROL BLANKET PRIOR TO ACCEPTING FLOWS. THE SUBSTRATE SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS AND STABLE ENOUGH TO ACCEPT FLOWS.
- S. WHERE STREAM DISTURBANCE IS NECESSARY, THE STREAM BED AND BANKS, SHALL BE RESTABILIZED WITHIN FORTY-EIGHT (48) HOURS AFTER DISTURBANCE IS COMPLETE OR INTERRUPTED.
- T. THE CONTRACTOR AND ENGINEER SHALL MEET WITH THE KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT TO COORDINATE ALL IN-STREAM WORK ACTIVITIES. THE CONTRACTOR'S IN-STREAM WORK PLAN SHALL BE SUBMITTED TO THE SOIL AND WATER CONSERVATION DISTRICT FOR REVIEW AND APPROVAL PRIOR TO STARTING ANY WORK.

LEGEND

- PERIMETER EROSION BARRIER
- INLET FILTERS
- TEMPORARY DITCH CHECKS
- WETLANDS IMPACT TEMPORARY
- WETLANDS IMPACT PERMANENT
- TEMPORARY CARPENTER CREEK IMPACT
- WETLAND BOUNDARY



DESIGNED - DJS	REVISED - PER IDOT 10/19/12
DRAWN - LKB	REVISED -
CHECKED - RWL	REVISED -
DATE - 06/20/12	FILE - 110994-EROSI.sht

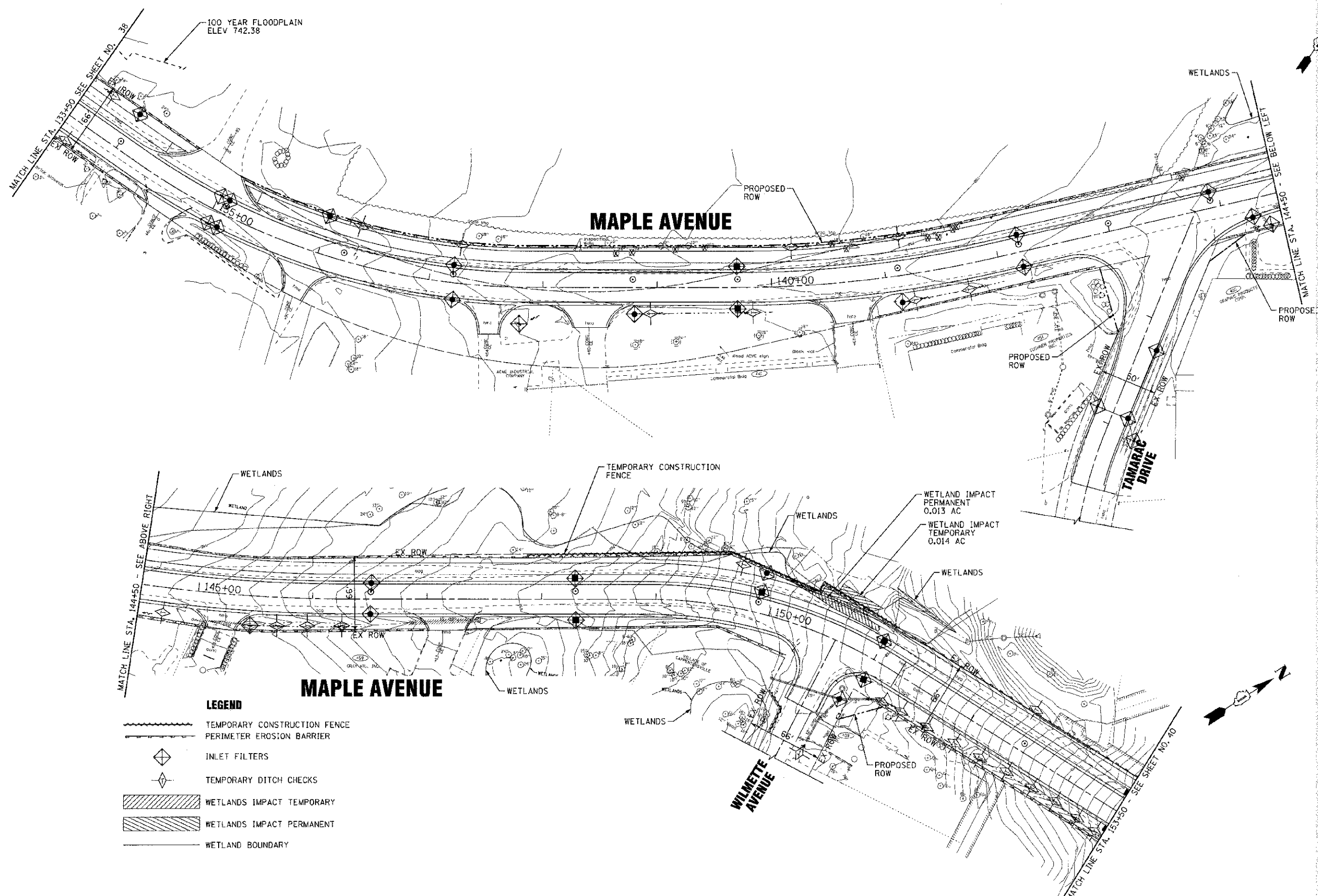
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN

SCALE: 1"=40'
STA. 110+50 TO STA. 133+50

F.A.U. R.I.E. 4006	SECTION 95-00049-00-PV	COUNTY KANE	TOTAL SHEETS 138	SHEET NO. 38
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-603 10951			CONTRACT NO. 63745	

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 LICENSE NO. 06-0000000-0000-0000
 215 S. WASHINGTON ST., SUITE 200, CHICAGO, IL 60604



LEGEND

	TEMPORARY CONSTRUCTION FENCE
	PERIMETER EROSION BARRIER
	INLET FILTERS
	TEMPORARY DITCH CHECKS
	WETLANDS IMPACT TEMPORARY
	WETLANDS IMPACT PERMANENT
	WETLAND BOUNDARY

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 DATE: 06/20/12
 FILE: 110994-ERC22.sht

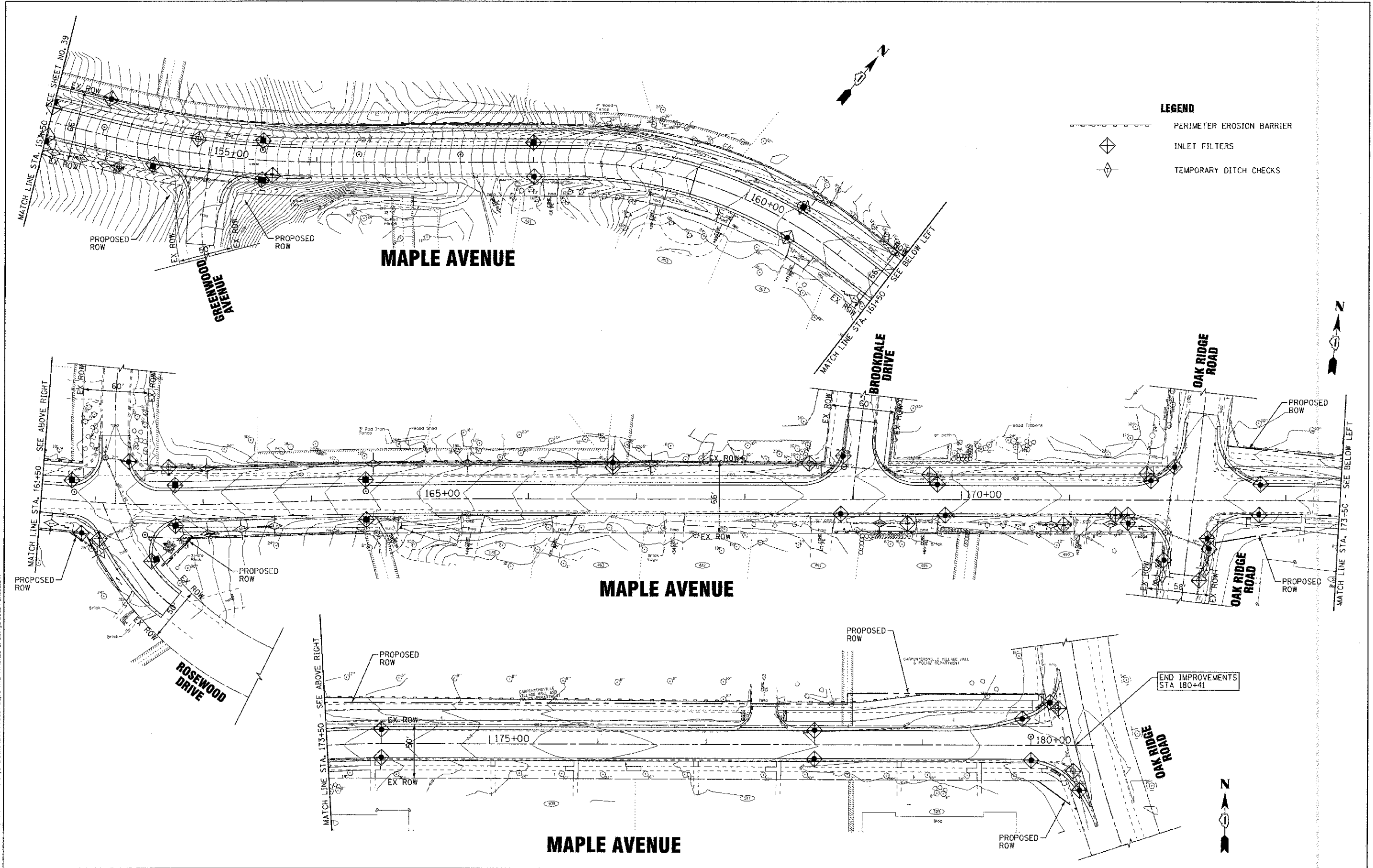


DESIGNED -	DJS	REVISED - PER 10/19/12
DRAWN -	UKB	REVISED -
CHECKED -	RWL	REVISED -
DATE -	06/20/12	FILE - 110994-ERC22.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN
 SCALE: 1"=40'
 STA. 133+50 TO STA. 153+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4006	95-00C49-0C-PV	KANE	138	39
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT M-80C3 (095)			CONTRACT NO. 63745	



- LEGEND**
- PERIMETER EROSION BARRIER
 - INLET FILTERS
 - TEMPORARY DITCH CHECKS

CONTRACT NO. 2012 BY BATES & MORGAN, INC.
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. 224-0227 - 2/24/03 - 4/20/2013
 12777 ZOOE BLDG. CHICAGO, ILLINOIS 60631
 PROJECT NO. 110994-EROS3-101



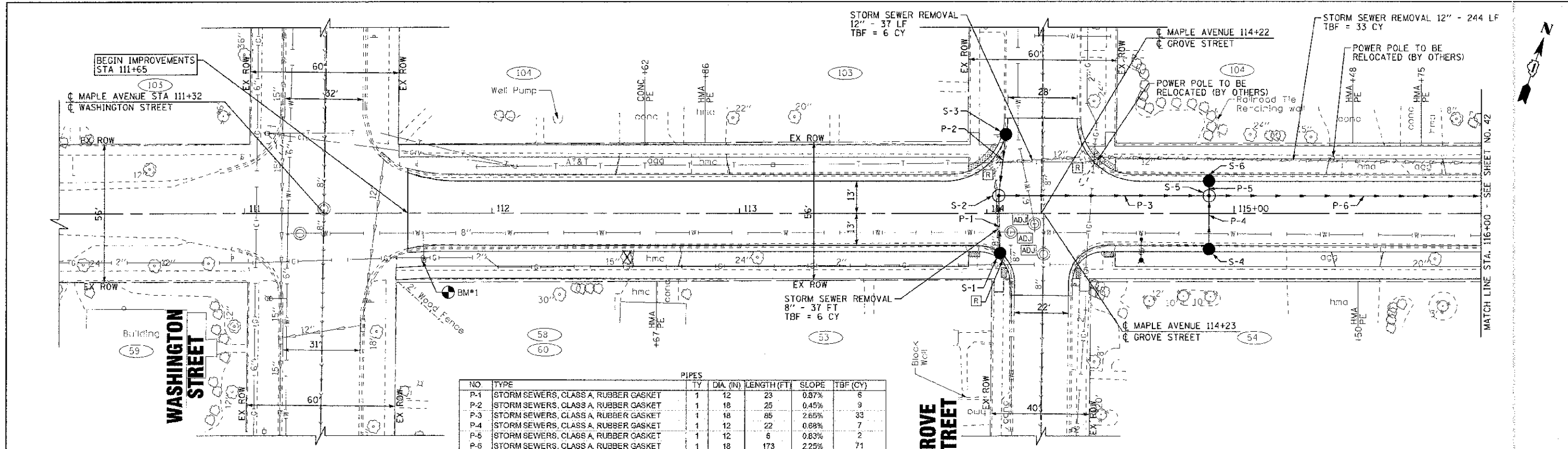
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DRAWN - UKB	REVISED -
CHECKED - RWL	REVISED -
DATE - 06/20/12	FILE - 110994-EROS3.shx

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN

SCALE: 1"=40'
STA. 153+50 TO STA. 180+56

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4006	95-00049-00-PV	KANE	138	40
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-806J (099)			CONTRACT NO. 63745	



PIPES						
NO	TYPE	TY	DIA (IN)	LENGTH (FT)	SLOPE	TBF (CY)
P-1	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	23	0.87%	6
P-2	STORM SEWERS, CLASS A, RUBBER GASKET	1	18	25	0.45%	9
P-3	STORM SEWERS, CLASS A, RUBBER GASKET	1	18	85	2.65%	33
P-4	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	22	0.68%	7
P-5	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	6	0.63%	2
P-6	STORM SEWERS, CLASS A, RUBBER GASKET	1	18	173	2.25%	71

LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM EP	Elevation (Invert) (ft)
S-1	114+05	16'	RT CATCH BASIN TYPE C	T-24 F&G	755.82	EP	752.70 12"N
S-2	114+05	7'	LT MANHOLE TYPE A, 4'DIA	T-1 F, C.L.	755.93	RM	751.84 18"N, 752.50 12"S, 751.74 18"E
S-3	114+08	32'	LT CATCH BASIN TYPE A, 4'DIA	T-24 F&G	755.64	EP	751.95 18"S
S-4	114+90	13'	RT CATCH BASIN TYPE C	T-24 F&G	753.36	EP	750.15 12"N
S-5	114+90	7'	LT MANHOLE TYPE A, 4'DIA	T-1 F, C.L.	753.59	RM	749.39 18"E, 749.49 18"W, 750.00 12"S, 750.36 12"N
S-6	114+90	13'	LT CATCH BASIN TYPE C	T-24 F&G	753.97	EP	750.40 12"S

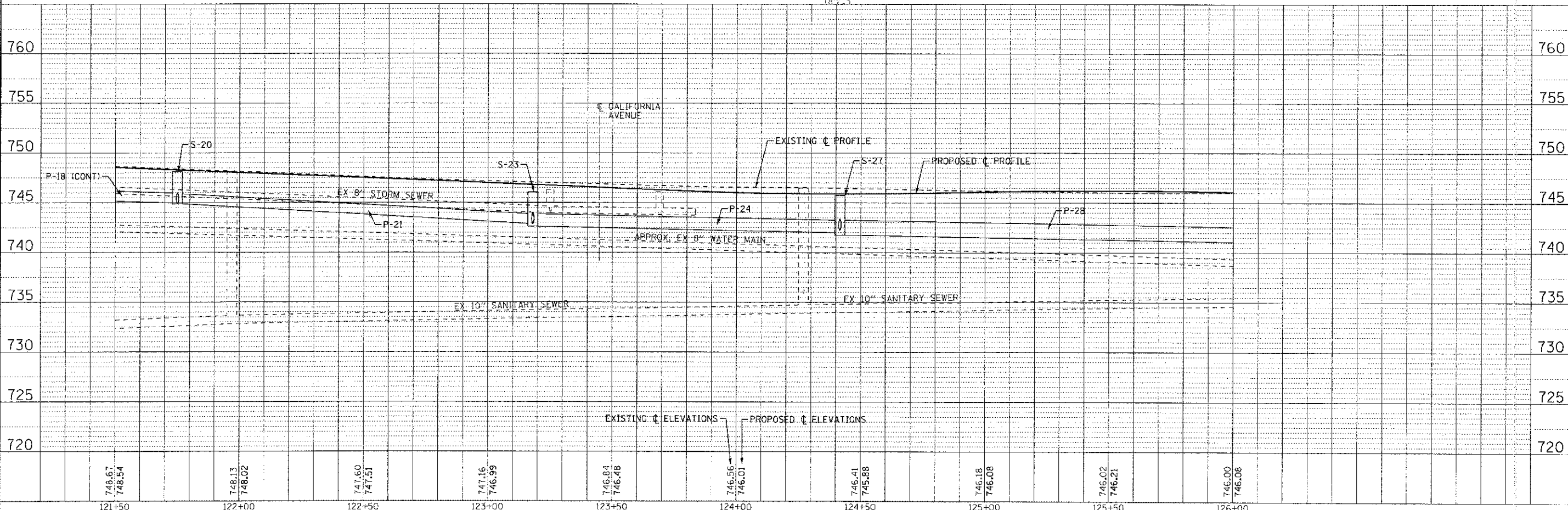
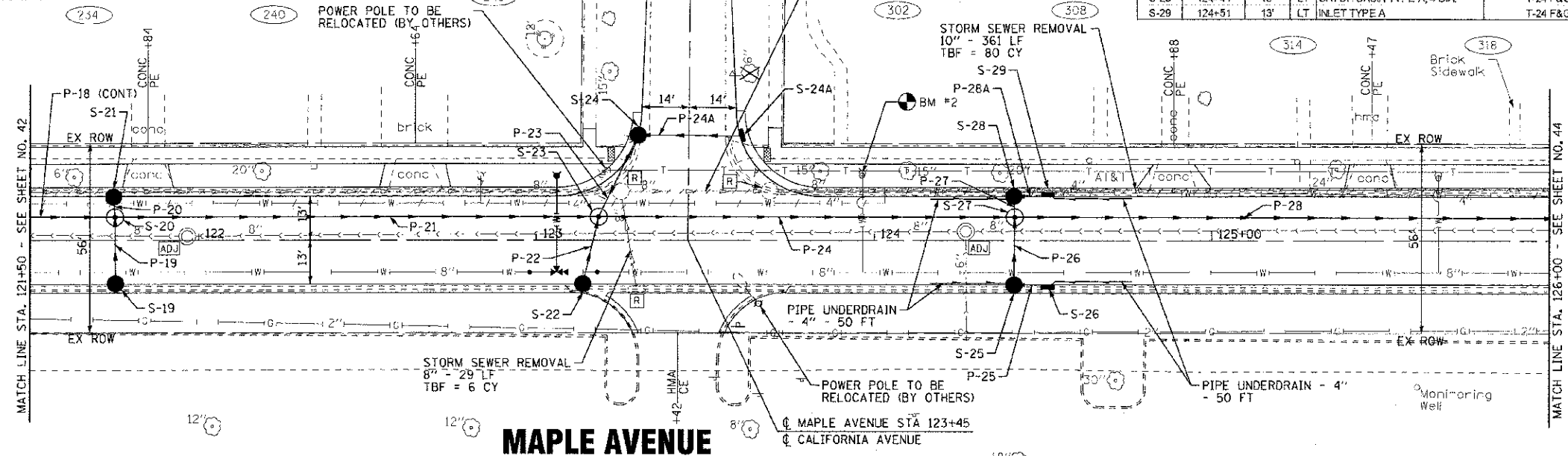


	DESIGNED - AMW	REVISED - PER IDOT 10/19/12	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY MAPLE AVENUE	F.A. RTE. 4006	SECTION 95-00049-00-PV	COUNTY KANE	TOTAL SHEETS 138	SHEET NO. 41
	DRAWN - UKB	REVISIONS			SCALE: H: 1"=20' V: 1"=5'	STA. 110+50 TO STA. 116+00	FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT W 6033 (095)	CONTRACT NO. 63745
	CHECKED - RWL	FILE - 110994-DUL.sht							
	DATE - 06/20/12								

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PIPES						
NO.	TYPE	TY	DIA. (IN)	LENGTH (FT)	SLOPE	TBF (CY)
P-19	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	20	0.66%	8
P-20	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	6	0.50%	2
P-21	STORM SEWERS (WATER MAIN REQUIREMENTS)	1	12	143	1.40%	37
P-22	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	20	2.55%	6
P-23	STORM SEWERS (WATER MAIN REQUIREMENTS)	1	12	27	0.89%	7
P-24	STORM SEWERS (WATER MAIN REQUIREMENTS)	1	15	123	0.49%	38
P-24A	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	30	0.50%	8
P-25	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	10	0.90%	3
P-26	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	20	1.00%	5
P-27	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	6	1.67%	2
P-28	STORM SEWERS (WATER MAIN REQUIREMENTS)	1	12	10	0.50%	84
P-28	STORM SEWERS, CLASS A, RUBBER GASKET	1	18	218	0.44%	3

STRUCTURES									
LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM/EP	Elevation (invert) (ft)		
S-19	121+75	13'	RT	CATCH BASIN TYPE C	T-24 F&G	748.02	EP	745.00	12°N
S-20	121+75	7'	LT	MANHOLE TYPE A, 4'DIA.	T-1 F, C.L.	748.14	RIM	744.87	12°E, S; 744.97
S-21	121+75	13'	LT	CATCH BASIN TYPE C	T-24 F&G	748.02	EP	745.00	12°S
S-22	123+14	13'	RT	CATCH BASIN TYPE C	T-24 F&G	746.63	EP	743.46	12°N
S-23	123+18	7'	LT	MANHOLE TYPE A, 4'DIA.	T-1 F, C.L.	746.04	RIM	742.60	15°E; 742.85
S-24	123+30	31'	LT	CATCH BASIN TYPE C	T-24 F&G	746.26	EP	743.09	12°S; 743.19
S-24A	123+60	31'	LT	INLET TYPE A	T-24 F&G	746.25	EP	743.34	12°E
S-25	124+41	13'	RT	CATCH BASIN TYPE A, 4'DIA.	T-24 F&G	745.61	EP	742.45	12°N; 742.55
S-26	124+51	13'	RT	INLET TYPE A	T-24 F&G	745.62	EP	742.60	12°W
S-27	124+41	7'	LT	MANHOLE TYPE A, 4'DIA.	T-1 F, C.L.	745.73	RIM	741.75	18°E; 742.00
S-28	124+41	13'	LT	CATCH BASIN TYPE A, 4'DIA.	T-24 F&G	745.61	EP	742.45	12°S; 742.55
S-29	124+51	13'	LT	INLET TYPE A	T-24 F&G	745.62	EP	742.60	12°W



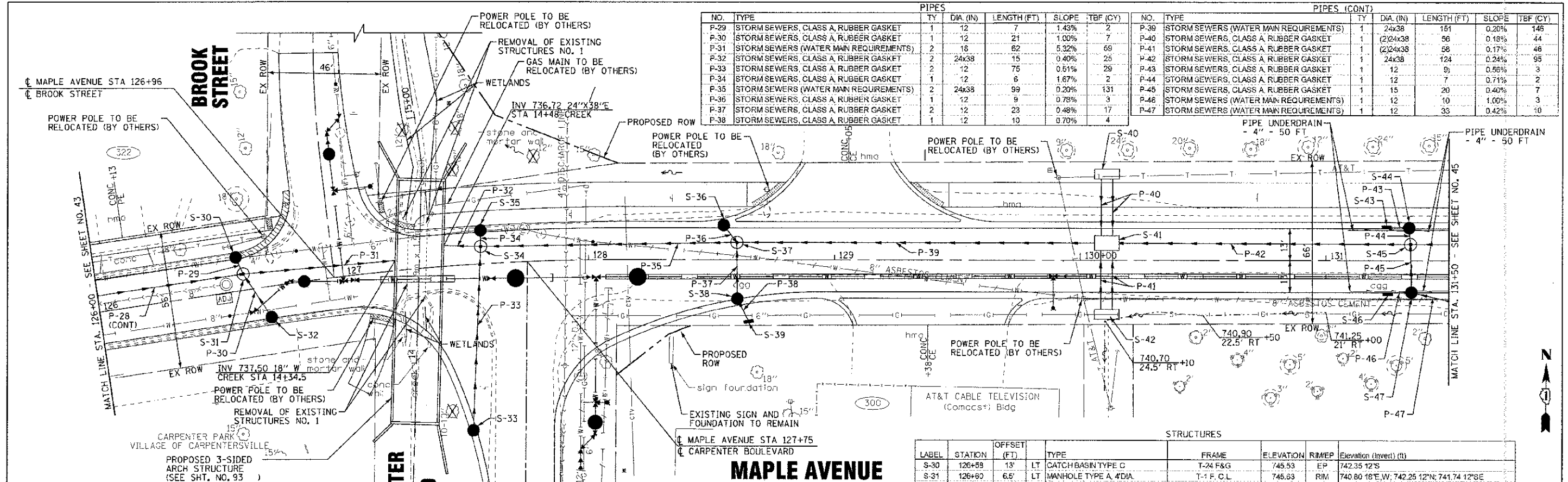
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DESIGNED - AMW	REVISED - PER IDOT 10/19/12
DRAWN - JKB	REVISED
CHECKED - RWL	REVISED
DATE - 06/20/12	FILE - 110994-DU3.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

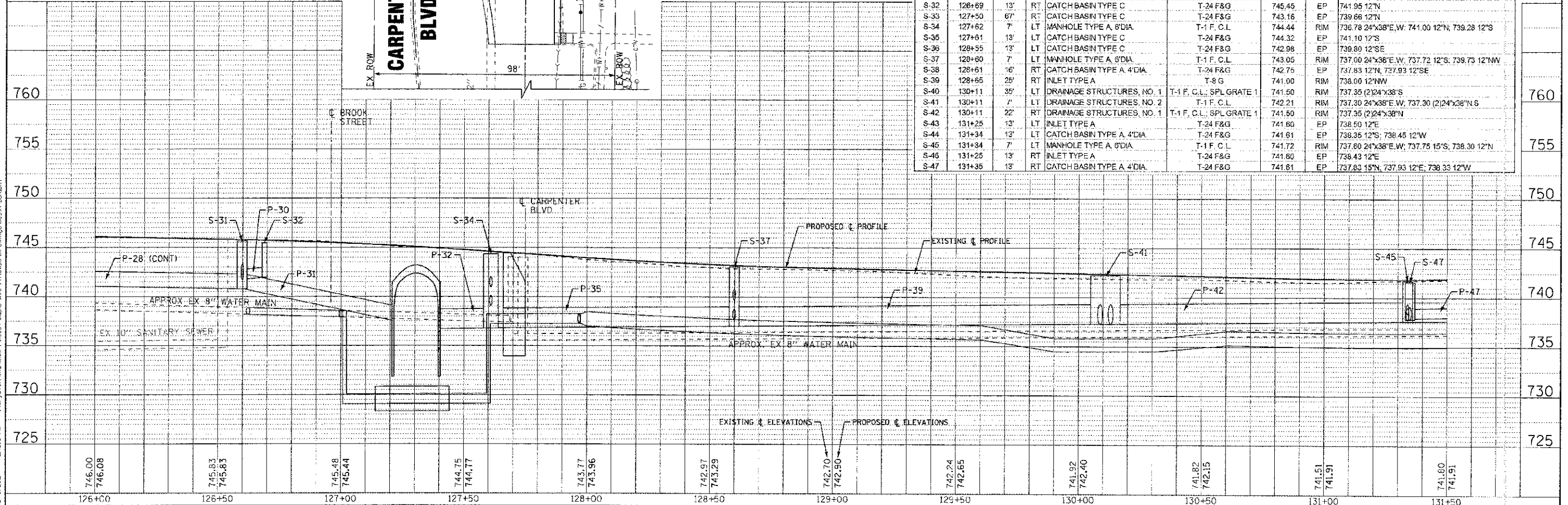
DRAINAGE AND UTILITY
MAPLE AVENUE
 SCALE: H: 1"=20' V: 1"=5'
 STA. 121+50 TO STA. 126+00

F.A. RTE. 4006	SECTION 95-00C49-0C-PV	COLNTY KANE	TOTAL SHEETS 138	SHEET NO. 43
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003 (095)			CONTRACT NO. 63745	



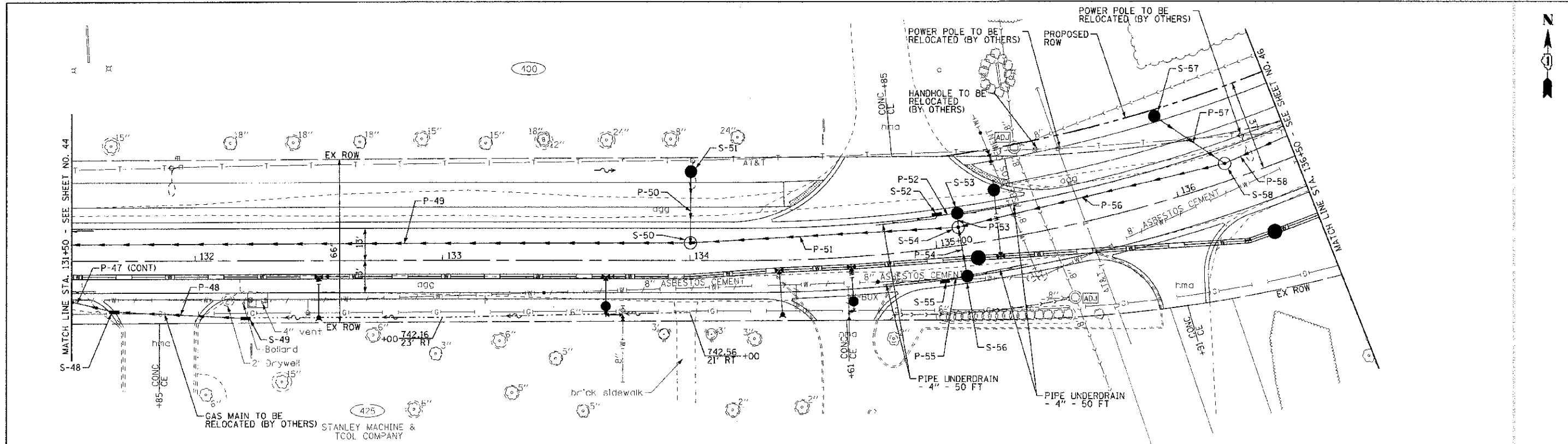
PIPES							PIPES (CONT)						
NO.	TYPE	TY	DIA. (IN)	LENGTH (FT)	SLOPE	TBF (CY)	NO.	TYPE	TY	DIA. (IN)	LENGTH (FT)	SLOPE	TBF (CY)
P-29	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	7	1.43%	2	P-39	STORM SEWERS (WATER MAIN REQUIREMENTS)	1	24x38	161	0.20%	146
P-30	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	21	1.00%	7	P-40	STORM SEWERS, CLASS A RUBBER GASKET	1	(2)24x38	56	0.18%	44
P-31	STORM SEWERS (WATER MAIN REQUIREMENTS)	2	18	62	5.32%	69	P-41	STORM SEWERS, CLASS A RUBBER GASKET	1	(2)24x38	58	0.17%	46
P-32	STORM SEWERS, CLASS A, RUBBER GASKET	2	24x38	15	0.40%	25	P-42	STORM SEWERS, CLASS A, RUBBER GASKET	1	24x38	124	0.24%	95
P-33	STORM SEWERS, CLASS A, RUBBER GASKET	2	12	75	0.81%	29	P-43	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	9	0.56%	3
P-34	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	6	1.67%	2	P-44	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	7	0.71%	2
P-35	STORM SEWERS (WATER MAIN REQUIREMENTS)	2	24x38	99	0.20%	131	P-45	STORM SEWERS, CLASS A, RUBBER GASKET	1	15	20	0.40%	7
P-36	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	9	0.78%	3	P-46	STORM SEWERS (WATER MAIN REQUIREMENTS)	1	12	10	1.00%	3
P-37	STORM SEWERS, CLASS A, RUBBER GASKET	2	12	23	0.48%	17	P-47	STORM SEWERS (WATER MAIN REQUIREMENTS)	1	12	33	0.42%	10
P-38	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	10	0.70%	4							

STRUCTURES									
LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM/EP	Elevation (invert) (ft)		
S-30	126+59	13'	LT CATCH BASIN TYPE C	T-24 F&G	745.53	EP	742.35 12'S		
S-31	126+60	6.5'	LT MANHOLE TYPE A, 4'DIA.	T-1 F. C. L.	745.63	RIM	740.80 16'E, W; 742.25 12'N; 741.74 12'SE		
S-32	126+69	13'	RT CATCH BASIN TYPE C	T-24 F&G	745.45	EP	741.95 12'N		
S-33	127+50	67'	RT CATCH BASIN TYPE C	T-24 F&G	743.16	EP	739.66 12'N		
S-34	127+62	7'	LT MANHOLE TYPE A, 8'DIA.	T-1 F. C. L.	744.44	RIM	736.78 24'E, W; 741.00 12'N; 739.28 12'S		
S-35	127+61	13'	LT CATCH BASIN TYPE C	T-24 F&G	744.32	EP	741.10 12'S		
S-36	128+55	13'	LT CATCH BASIN TYPE C	T-24 F&G	742.98	EP	739.80 12'SE		
S-37	128+60	7'	LT MANHOLE TYPE A, 8'DIA.	T-1 F. C. L.	743.05	RIM	737.00 24'E, W; 737.72 12'S; 739.73 12'NW		
S-38	128+61	16'	RT CATCH BASIN TYPE A, 4'DIA.	T-24 F&G	742.75	EP	737.83 12'N; 737.93 12'SE		
S-39	128+65	25'	INLET TYPE A	T-8 G	741.00	RIM	738.00 12'NW		
S-40	130+11	35'	LT DRAINAGE STRUCTURES, NO. 1	T-1 F. C. L., SPL GRATE 1	741.50	RIM	737.35 (2)24'E, W		
S-41	130+11	7'	LT DRAINAGE STRUCTURES, NO. 2	T-1 F. C. L.	742.21	RIM	737.30 24'E, W; 737.30 (2)24'E, W		
S-42	130+11	22'	RT DRAINAGE STRUCTURES, NO. 1	T-1 F. C. L., SPL GRATE 1	741.50	RIM	737.35 (2)24'E, W		
S-43	131+25	13'	LT INLET TYPE A	T-24 F&G	741.60	EP	738.50 12'E		
S-44	131+34	13'	LT CATCH BASIN TYPE A, 4'DIA.	T-24 F&G	741.61	EP	738.35 12'S; 738.45 12'W		
S-45	131+34	7'	LT MANHOLE TYPE A, 8'DIA.	T-1 F. C. L.	741.72	RIM	737.60 24'E, W; 737.75 15'S; 738.30 12'N		
S-46	131+25	13'	RT INLET TYPE A	T-24 F&G	741.60	EP	738.42 12'E		
S-47	131+35	13'	RT CATCH BASIN TYPE A, 4'DIA.	T-24 F&G	741.61	EP	737.83 15'N; 737.93 12'E; 738.33 12'W		



	DESIGNED - AMM	REVISED - PER IDOT 10/19/12	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DRAINAGE AND UTILITY MAPLE AVENUE	STA. 126+00 TO STA. 131+50 SCALE: H: 1"=20' V: 1"=5'	SECTION 95-00049-00-PV COUNTY KANE TOTAL SHEETS 138 SHEET NO. 44 CONTRACT NO. 63745
	DRAWN - UKB	REVISED -			
	CHECKED - RWL	REVISED -			
	DATE - 06/20/12	FILE - 110994-DL4.sht			

CONTRACT NO. 63745
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PROJECT NO. 110994-DL4
 SHEET NO. 44 OF 138
 DATE: 06/20/12
 DRAWN BY: UKB
 CHECKED BY: RWL
 DESIGNED BY: AMM
 FILE: 110994-DL4.sht



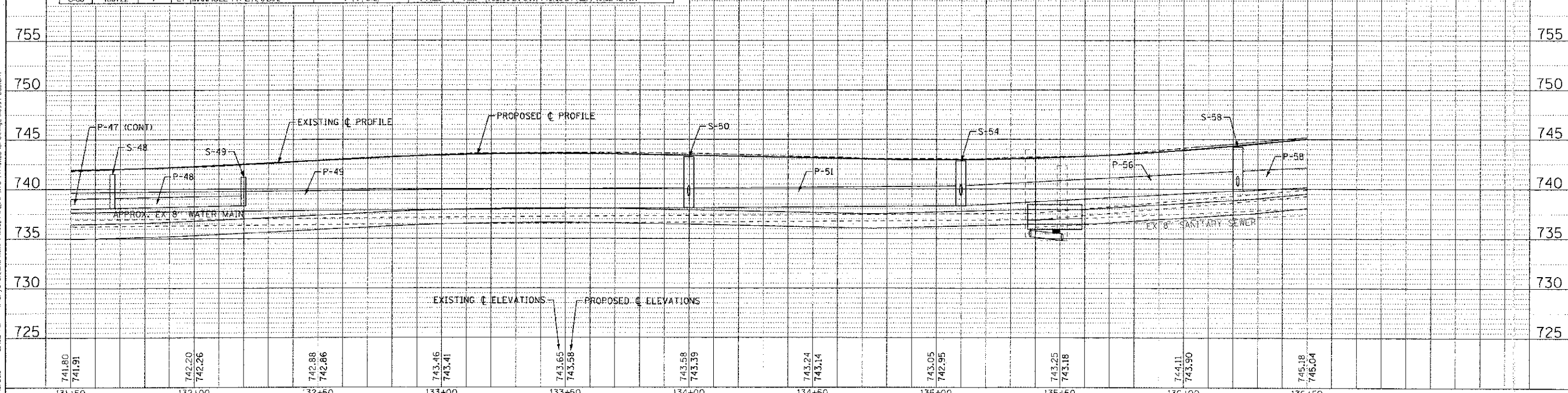
STRUCTURES

LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM/EP	Elevation (invert) (ft)
S-48	131+67	20.5'	RT INLET TYPE A	T-8 G	741.50	RIM	738.07 12"E, W
S-49	132+20	23'	RT INLET TYPE A	T-8 G	741.20	RIM	738.30 12"W
S-50	134+00	7'	LT MANHOLE TYPE A, 6'DIA	T-1 F, C.L	743.25	RIM	738.10 24"x38"W, 738.10 24"E, 739.30 12"N
S-51	134+00	38'	LT CATCH BASIN TYPE C	T-8 G	742.70	RIM	739.50 12"S
S-52	135+02	13'	LT INLET TYPE A	T-24 F&G	742.69	EP	739.65 12"E
S-53	135+10	13'	LT CATCH BASIN TYPE A, 4'DIA	T-24 F&G	742.70	EP	739.60 12"S, 739.60 12"W
S-54	135+10	7'	LT MANHOLE TYPE A, 6'DIA	T-1 F, C.L	742.82	RIM	738.30 24"W, 738.80 24"NE, 739.36 12"S, 739.45 12"N
S-55	135+02	13'	RT INLET TYPE A	T-24 F&G	742.69	EP	739.65 12"E
S-56	135+10	13'	RT CATCH BASIN TYPE A, 4'DIA	T-24 F&G	742.70	EP	739.49 12"N, 739.69 12"W
S-57	136+00	34'	LT CATCH BASIN TYPE C	T-8 G	743.50	RIM	740.50 12"SE
S-58	136+22	7'	LT MANHOLE TYPE A, 6'DIA	T-1 F, C.L	744.23	RIM	739.80 24"SW, 740.00 24"NE, 740.32 12"NW

PIPES

NO.	TYPE	TY	DIA (IN)	LENGTH (FT)	SLOPE	TBF (Y)
P-48	STORM SEWERS (WATER MAIN REQUIREMENTS)	1	12	53	0.43%	14
P-49	STORM SEWERS, CLASS A, RUBBER GASKET	1	24x38	286	0.15%	203
P-50	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	29	0.89%	9
P-51	STORM SEWERS, CLASS A, RUBBER GASKET	1	24	108	0.28%	74
P-52	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	8	0.62%	2
P-53	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	6	0.83%	2
P-54	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	20	0.85%	6
P-55	STORM SEWERS (WATER MAIN REQUIREMENTS)	1	12	9	0.67%	3
P-56	STORM SEWERS, CLASS A, RUBBER GASKET	1	24	111	0.90%	43
P-57	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	34	0.53%	10
P-58	STORM SEWERS, CLASS A, RUBBER GASKET	1	24	97	1.03%	71

MAPLE AVENUE



CONTRACT NO. 95-00049-CO-PV
 STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM
 LICENSE NO. 186-00071 EXP. 05/31/2013
 23456789
 02/25/2012
 24845 RW
 PROJECT: 110994-DU5.shrt
 DRAWN: UKB
 CHECKED: RWL
 DATE: 06/20/12
 DESIGNED: AMM
 REVISIONS: PER IDOT 10/15/12
 REVISIONS:
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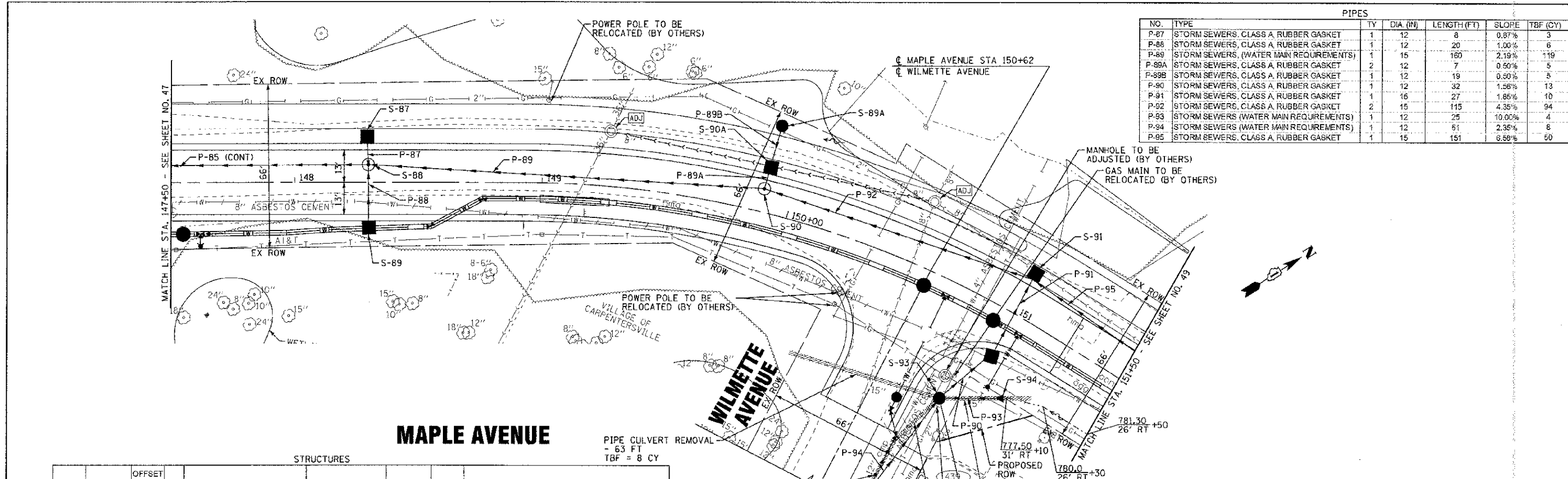
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DRAWN - UKB	REVISIONS -
CHECKED - RWL	REVISIONS -
DATE - 06/20/12	FILE - 110994-DU5.shrt

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY
MAPLE AVENUE

SCALE: H: 1"=20' V: 1"=5'
 STA. 131+50 TO STA. 136+50

F.A. RTE. 4006	SECTION 95-00049-CO-PV	COUNTY KANE	TOTAL SHEETS NO. 138
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT W-8003 10951	CONTRACT NO. 63745



PIPES						
NO.	TYPE	TY	DIA (IN)	LENGTH (FT)	SLOPE	TBF (CY)
P-87	STORM SEWERS, CLASS A RUBBER GASKET	1	12	8	0.87%	3
P-88	STORM SEWERS, CLASS A RUBBER GASKET	1	12	20	1.00%	6
P-89	STORM SEWERS, (WATER MAIN REQUIREMENTS)	1	15	160	2.19%	119
P-89A	STORM SEWERS, CLASS A RUBBER GASKET	2	12	7	0.50%	5
P-89B	STORM SEWERS, CLASS A RUBBER GASKET	1	12	19	0.50%	5
P-90	STORM SEWERS, CLASS A RUBBER GASKET	1	12	32	1.56%	13
P-91	STORM SEWERS, CLASS A RUBBER GASKET	1	16	27	1.86%	10
P-92	STORM SEWERS, CLASS A RUBBER GASKET	2	15	115	4.35%	94
P-93	STORM SEWERS, (WATER MAIN REQUIREMENTS)	1	12	25	10.00%	4
P-94	STORM SEWERS, (WATER MAIN REQUIREMENTS)	1	12	51	2.35%	8
P-95	STORM SEWERS, CLASS A RUBBER GASKET	1	15	151	6.58%	50

MAPLE AVENUE

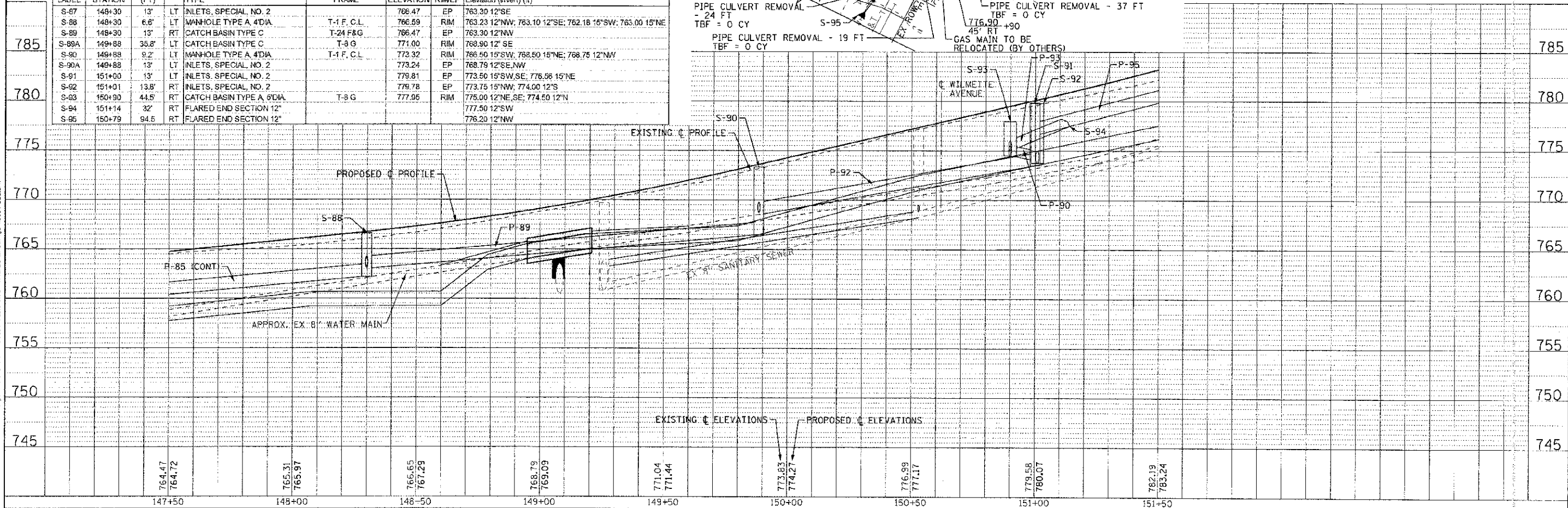
STRUCTURES						
LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM/ELEVATION (invert) (ft)
S-87	148+30	13'	LT INLETS, SPECIAL NO. 2		766.47	EP 763.30 12°SE
S-88	148+30	6.6'	LT MANHOLE TYPE A, 4'DIA	T-1 F, C.L.	766.59	RIM 763.23 12°NW; 763.10 12°SE; 762.18 15°SW; 765.00 15°NE
S-89	148+30	13'	RT CATCH BASIN TYPE C	T-24 F&G	766.47	EP 763.30 12°NW
S-89A	149+88	35.8'	LT CATCH BASIN TYPE C	T-8 G	771.00	RIM 768.90 12° SE
S-90	149+88	9.2'	LT MANHOLE TYPE A, 4'DIA	T-1 F, C.L.	773.32	RIM 766.50 15°SW; 768.50 15°NE; 768.75 12°NW
S-90A	149+88	13'	LT INLETS, SPECIAL NO. 2		773.24	EP 768.79 12°SE, NW
S-91	151+00	13'	LT INLETS, SPECIAL NO. 2		779.81	EP 773.50 15°SW, SE; 776.56 15°NE
S-92	151+01	13.8'	RT INLETS, SPECIAL NO. 2		779.78	EP 773.75 15°NW; 774.00 12°S
S-93	150+90	44.5'	RT CATCH BASIN TYPE A, 6'DIA	T-8 G	777.96	RIM 775.00 12°NE, SE; 774.50 12°N
S-94	151+14	32'	RT FLARED END SECTION 12"			777.50 12°SW
S-95	150+79	94.5'	RT FLARED END SECTION 12"			776.20 12°NW

PIPE CULVERT REMOVAL
- 63 FT
TBF = 8 CY

PIPE CULVERT REMOVAL
- 24 FT
TBF = 0 CY

PIPE CULVERT REMOVAL - 19 FT
TBF = 0 CY

PIPE CULVERT REMOVAL - 37 FT
TBF = 0 CY



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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-000277 - EXP. DATE 4/30/2013
 PROJECT NO. - 95-00049-00-PV
 SHEET NO. - 138 OF 148
 DATE - 06/20/12



DESIGNED - AMM/SNV	REVISED - PCR JDOT 10/19/12
DRAWN - UKB	REVISED -
CHECKED - RWL	REVISED -
DATE - 06/20/12	FILE - 110994-DUB.sht

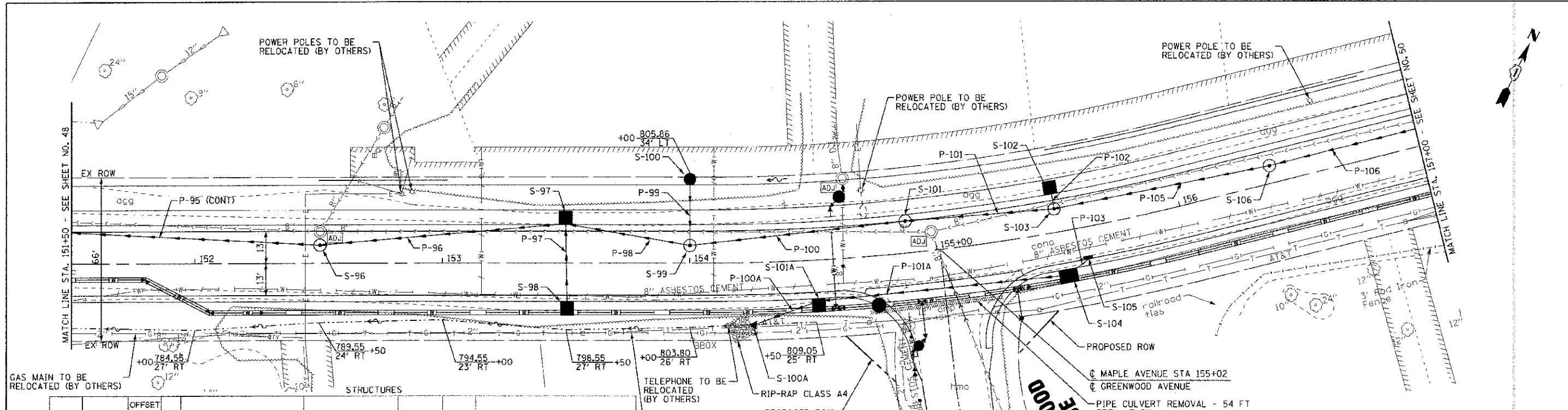
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY
MAPLE AVENUE**

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

STA. 147+50 TO STA. 151+50

F.A. R.F.E. 4006	SECTION 95-00049-00-PV	COUNTY KANE	TOTAL SHEETS 138	SHEET NO. 48
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT N-6003 (095)			CONTRACT NO. 63745	

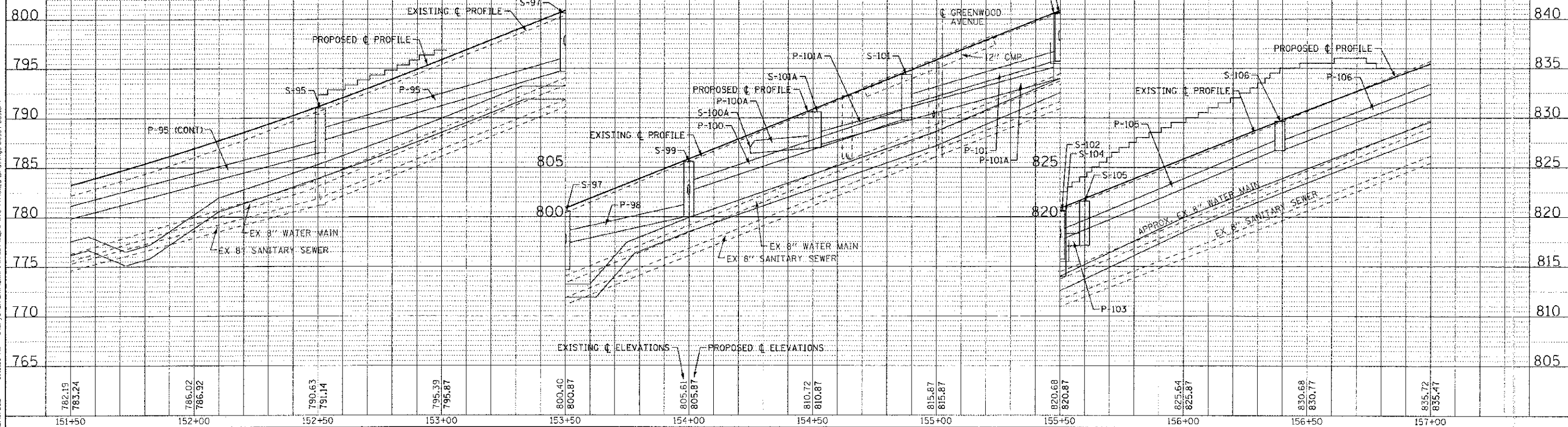


STRUCTURES

LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM/EP	Elevation (invert) (ft)
S-96	152+51	7'	LT MANHOLE TYPE A, 4 DIA	T-1 F, C.L.	790.99	RIM	786.50 15°SW; 787.74 15°NE
S-97	153+50	13'	LT INLETS, SPECIAL NO. 2		809.61	EP	794.70 16°SW; 797.36 16°NE; 797.30 12°SE
S-98	153+51	13'	RT INLETS, SPECIAL NO. 2		800.61	EP	797.50 12°NW
S-99	154+00	7'	LT MANHOLE TYPE A, 4 DIA	T-1 F, C.L.	805.61	RIM	800.00 15°SW; 802.25 12°NW; 802.78 12°NE
S-100	154+00	34'	RT CATCH BASIN TYPE C	T-8 G	805.66	RIM	802.50 12°SE
S-100A	154+25	25'	RT FLARED END SECTION 15"				806.42 15°NE
S-101	154+88	13'	LT MANHOLE TYPE A, 4 DIA	T-1 F, C.L.	814.41	EP	811.58 12°NE; 809.80 12°SW
S-101A	154+51	13'	RT INLETS, SPECIAL NO. 2		810.61	EP	807.00 16°SW; 807.17 16°NE
S-102	155+50	13'	LT INLETS, SPECIAL NO. 2		820.61	EP	817.40 12°SE
S-103	155+50	9.5'	LT MANHOLE TYPE A, 4 DIA	T-1 F, C.L.	820.69	RIM	817.86 12°NE; 815.75 12°SW; 817.86 12°NW
S-104	155+50	13'	RT INLETS, SPECIAL NO. 1		820.61	EP	813.98 15°SW; 817.05 15°NE
S-105	155+60	13'	RT INLET TYPE B	T-24 F&G	821.61	EP	817.15 16°SW
S-105	156+39	7'	LT MANHOLE TYPE A, 4 DIA	T-1 F, C.L.	829.67	RIM	826.84 12°NE; 826.74 12°SW

PIPES

NO.	TYPE	TY	DIA (IN)	LENGTH (FT)	SLOPE	TBF (CY)
P-96	STORM SEWERS, CLASS A, RUBBER GASKET	1	15	100	6.96%	66
P-97	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	32	0.63%	9
P-98	STORM SEWERS, CLASS A, RUBBER GASKET	1	15	51	5.18%	21
P-99	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	27	0.93%	8
P-100	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	88	7.98%	29
P-100A	STORM SEWERS (WATER MAIN REQUIREMENTS)	1	15	29	2.00%	8
P-101	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	60	6.95%	20
P-101A	STORM SEWERS (WATER MAIN REQUIREMENTS)	1	15	100	6.81%	72
P-102	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	5	1.00%	2
P-103	STORM SEWERS (WATER MAIN REQUIREMENTS)	1	15	10	1.00%	4
P-105	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	89	9.98%	20
P-106	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	94	9.05%	21

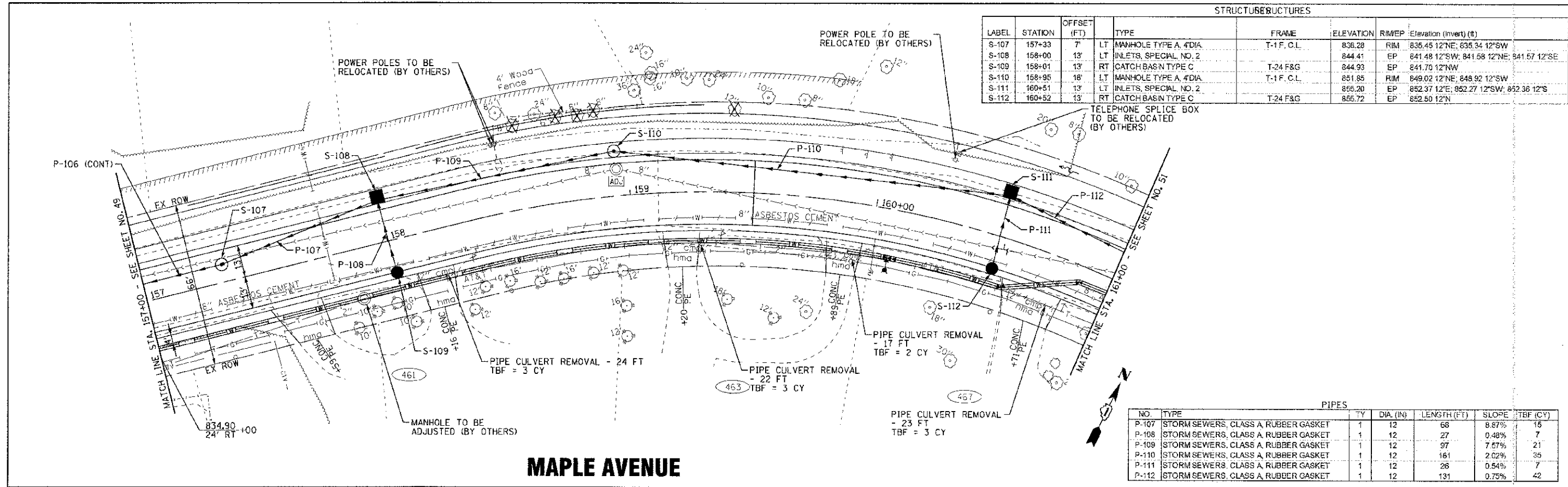


	DESIGNED - AMM	REVISED - PER IDOT 10/19/12	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY MAPLE AVENUE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.	
	DRAWN - UKB	REVISED			4006	95 00049 00-PV	KANE	138	49
	CHECKED - RWL	REVISED			CONTRACT NO. 63745				
	DATE - 06/20/12	FILE - 110994-DU9.sht			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT W-8003 (095)				

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

STA. 151+50 TO STA. 157+00

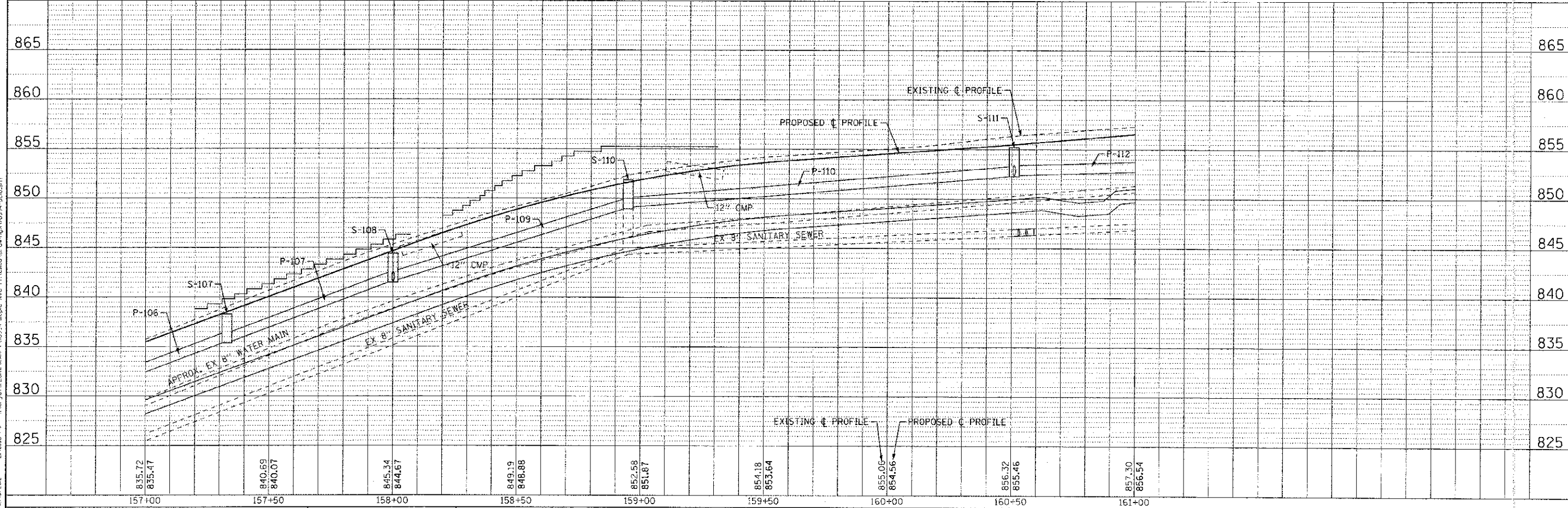
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STRUCTURE/STRUCTURES									
LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM/EP	Elevation (invert) (ft)		
S-107	157+33	7'	LT MANHOLE TYPE A, 4'DIA.	T-1 F. C.L.	836.28	RIM	836.45 12°N	835.34 12°SW	
S-108	158+00	13'	LT INLETS, SPECIAL NO. 2		844.41	EP	841.48 12°SW	841.68 12°NE	841.57 12°SE
S-109	158+01	13'	RT CATCH BASIN TYPE C	T-24 F&G	844.93	EP	241.70 12°NW		
S-110	158+95	18'	LT MANHOLE TYPE A, 4'DIA.	T-1 F. C.L.	851.85	RIM	849.02 12°NE, 848.92 12°SW		
S-111	160+51	13'	LT INLETS, SPECIAL NO. 2		855.20	EP	852.37 12°E, 852.27 12°SW, 852.36 12°S		
S-112	160+52	13'	RT CATCH BASIN TYPE C	T-24 F&G	855.72	EP	852.50 12°N		

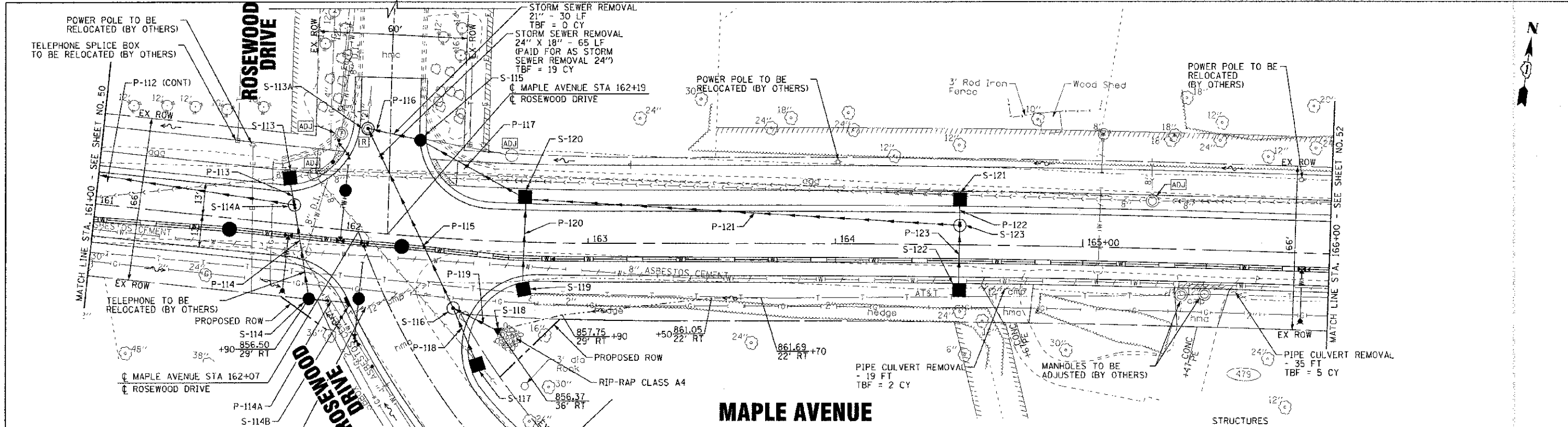
PIPES						
NO.	TYPE	TY	DIA. (IN)	LENGTH (FT)	SLOPE	TBF (CY)
P-107	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	68	8.87%	15
P-108	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	27	0.48%	7
P-109	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	97	7.57%	21
P-110	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	161	2.02%	35
P-111	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	26	0.54%	7
P-112	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	131	0.75%	42

MAPLE AVENUE



	DESIGNED - AMM	REVISED - PER IDOT 10/19/12	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY MAPLE AVENUE	F.A. RTE. 4006	SECTION 95-00049-C0-PV	COUNTY KANE	TOTAL SHEETS 138
	DRAWN - LKB	REVISIONS -			CONTRACT NO. 63745			
	CHECKED - RWL	REVISIONS -			FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT M-8003 (095)		
	DATE - 06/20/12	FILE I:0994-DU10.sht			SCALE: H: 1"=20' V: 1"=5'	STA. 157+00 TO STA. 161+00		

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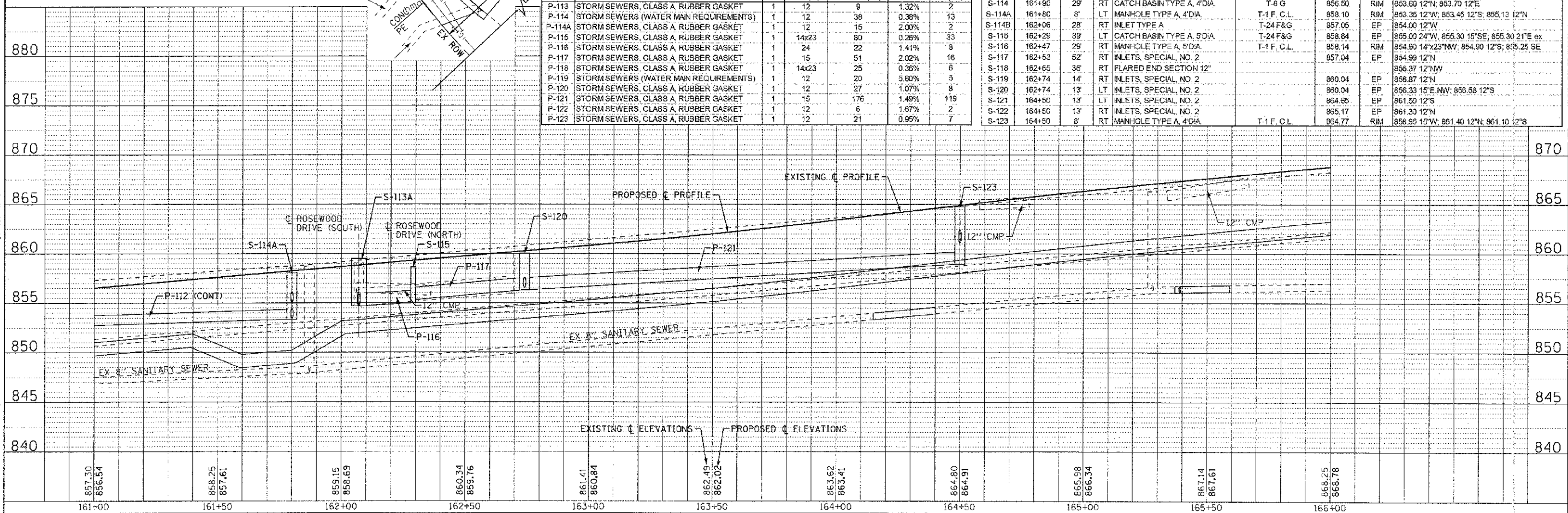


PIPES

NO.	TYPE	TY	DIA. (IN)	LENGTH (FT)	SLOPE	TBF (CY)
P-113	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	9	1.32%	2
P-114	STORM SEWERS (WATER MAIN REQUIREMENTS)	1	12	39	0.38%	13
P-114A	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	15	2.00%	2
P-115	STORM SEWERS, CLASS A, RUBBER GASKET	1	14x23	80	0.26%	33
P-116	STORM SEWERS, CLASS A, RUBBER GASKET	1	24	22	1.41%	8
P-117	STORM SEWERS, CLASS A, RUBBER GASKET	1	15	51	2.02%	16
P-118	STORM SEWERS, CLASS A, RUBBER GASKET	1	14x23	25	0.35%	6
P-119	STORM SEWERS (WATER MAIN REQUIREMENTS)	1	12	20	5.60%	5
P-120	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	27	1.07%	8
P-121	STORM SEWERS, CLASS A, RUBBER GASKET	1	15	176	1.49%	119
P-122	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	6	1.67%	2
P-123	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	21	0.95%	7

STRUCTURES

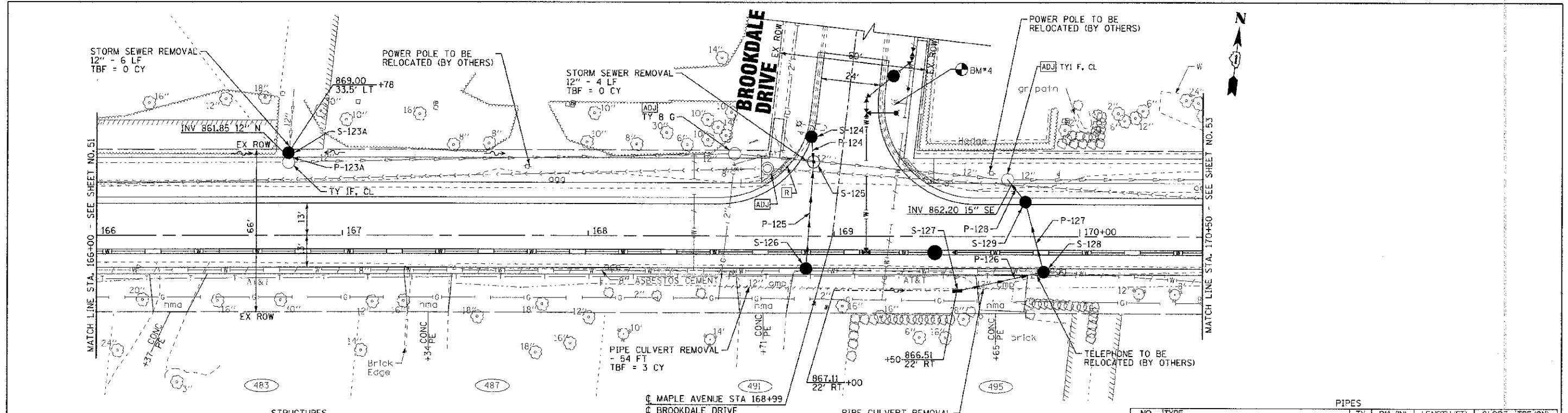
LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	R/W/E/P	Elevation (invert) (#)
S-113	161+28	13.5'	LT INLETS, SPECIAL NO. 2		857.92	EP	856.25 12'S
S-113A	162+07	42	LT MANHOLE TYPE A, 6'DIA	T-1 F.C.L.	859.50	RIM	854.69 14'x23'NE; 854.69 24'E; 854.69 21'N ex
S-114	161+90	29	RT CATCH BASIN TYPE A, 4'DIA	T-6 G	856.50	RIM	853.69 12'N; 853.70 12'E
S-114A	161+80	8'	LT MANHOLE TYPE A, 4'DIA	T-1 F.C.L.	858.10	RIM	853.35 12'W; 853.45 12'S; 855.13 12'N
S-114B	162+06	28'	RT INLET TYPE A	T-24 F&G	857.05	EP	854.00 12'W
S-115	162+29	39	LT CATCH BASIN TYPE A, 5'DIA	T-24 F&G	858.84	EP	855.00 24'W; 855.30 15'SE; 855.30 21'E ex
S-116	162+47	29	RT MANHOLE TYPE A, 5'DIA	T-1 F.C.L.	858.14	RIM	854.93 14'x22'NW; 854.90 12'S; 855.25 SE
S-117	162+53	62	RT INLETS, SPECIAL NO. 2		857.04	EP	854.99 12'N
S-118	162+65	36'	RT FLARED END SECTION 12"				856.37 12'NW
S-119	162+74	14'	RT INLETS, SPECIAL NO. 2		860.04	EP	856.87 12'N
S-120	162+74	13'	LT INLETS, SPECIAL NO. 2		860.04	EP	856.33 15'E, NW; 856.58 12'S
S-121	164+50	13'	LT INLETS, SPECIAL NO. 2		864.85	EP	861.50 12'S
S-122	164+50	13'	RT INLETS, SPECIAL NO. 2		865.17	EP	861.30 12'N
S-123	164+50	8'	RT MANHOLE TYPE A, 4'DIA	T-1 F.C.L.	864.77	RIM	858.95 10'W; 861.40 12'N; 861.10 12'S



CONTRACT NO. 005 OF BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. 184-000011-EXP/RES 4/20/2015
 2180 S. WOODMAN AVENUE, SUITE 200, CHICAGO, ILLINOIS 60616

	DESIGNED - AMM DRAWN - UKB CHECKED - RWL DATE - 06/20/12	REVISED - PER IDOT 10/19/12 REVISED - REVISED - FILE - 110894-DUII.sht	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY MAPLE AVENUE	F.A. RTE. 4C06 SECTION 95-00049-00-PV COUNTY KANE TOTAL SHEET NO. 138 OF 51 CONTRACT NO. 63745 PROJECT # 8001 (095)
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SCALE: H: 1"=20' V: 1"=5' STA. 161+00 TO STA. 166+00

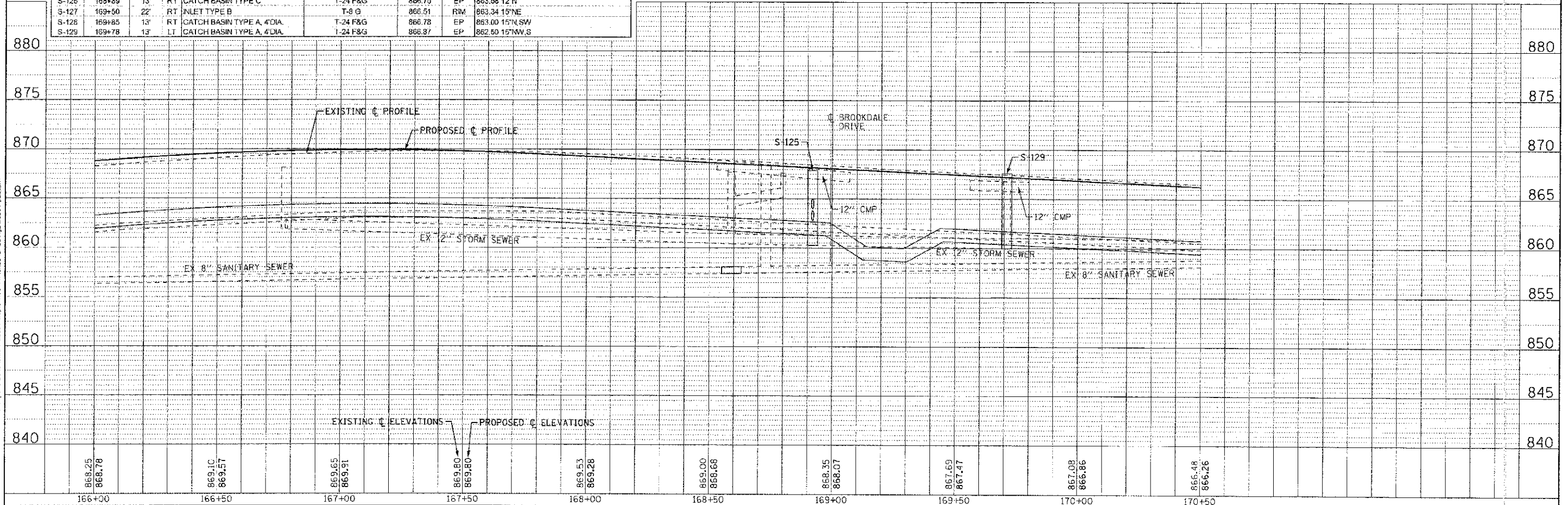


STRUCTURES

LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM/E	Elevation (invert) (ft)
S-123A	166+79	33.5	LT CATCH BASIN TYPE C	T-8 G	868.13	RIM	861.85 12'S, 861.84 12'N ex
S-124	168+91	40'	LT CATCH BASIN TYPE A, 4'DIA.	T-24 F&G	867.83	EP	864.36 12'S
S-125	168+92	30'	LT MANHOLE TYPE A, 4'DIA.	T-1 F C.L.	867.87	RIM	862.80 12'S, 864.00 12'N, 860.28 12'E ex
S-126	168+89	13'	RT CATCH BASIN TYPE C	T-24 F&G	866.75	EP	863.58 12'N
S-127	169+50	22'	RT INLET TYPE B	T-8 G	866.51	RIM	863.34 15'NE
S-128	169+85	13'	RT CATCH BASIN TYPE A, 4'DIA.	T-24 F&G	866.78	EP	863.00 15'N, SW
S-129	169+78	13'	LT CATCH BASIN TYPE A, 4'DIA.	T-24 F&G	866.87	EP	862.50 15'NW, S

PIPES

NO.	TYPE	TY	DIA. (IN)	LENGTH (FT)	SLOPE	TBF (CY)
P-123A	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	2	0.44%	2
P-124	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	10	3.60%	3
P-125	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	43	1.81%	16
P-126	STORM SEWERS (WATER MAIN REQUIREMENTS)	1	16	36	0.94%	11
P-127	STORM SEWERS, CLASS A, RUBBER GASKET	1	15	29	1.72%	11
P-128	STORM SEWERS, CLASS A, RUBBER GASKET	2	15	12	2.50%	9



DESIGNED - AMM	REVISED - PER IDOT 10/19/12
DRAWN - UKB	REVISED
CHECKED - RWL	REVISED
DATE - 06/20/12	FILE - :10994-DUI2.sht

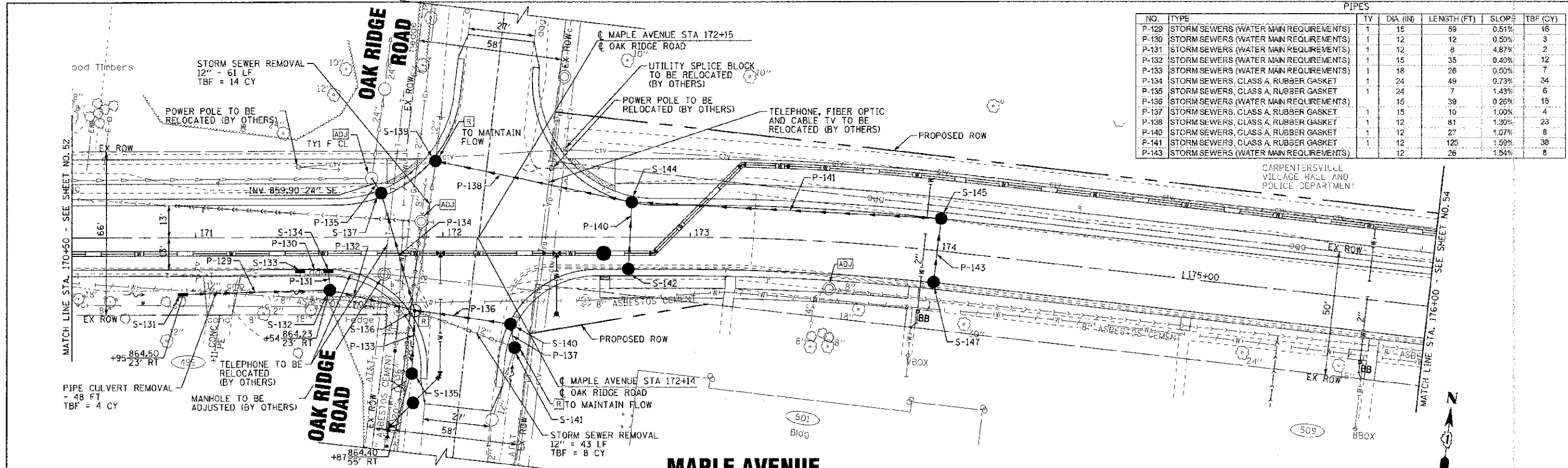
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY
MAPLE AVENUE**

F.A. R.F.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4006	95-03049-00-PV	KANE	138	52
CONTRACT NO. 63745			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8001 (095)	

SCALE: H: 1"=20' V: 1"=5'
STA. 166+00 TO STA. 170+50

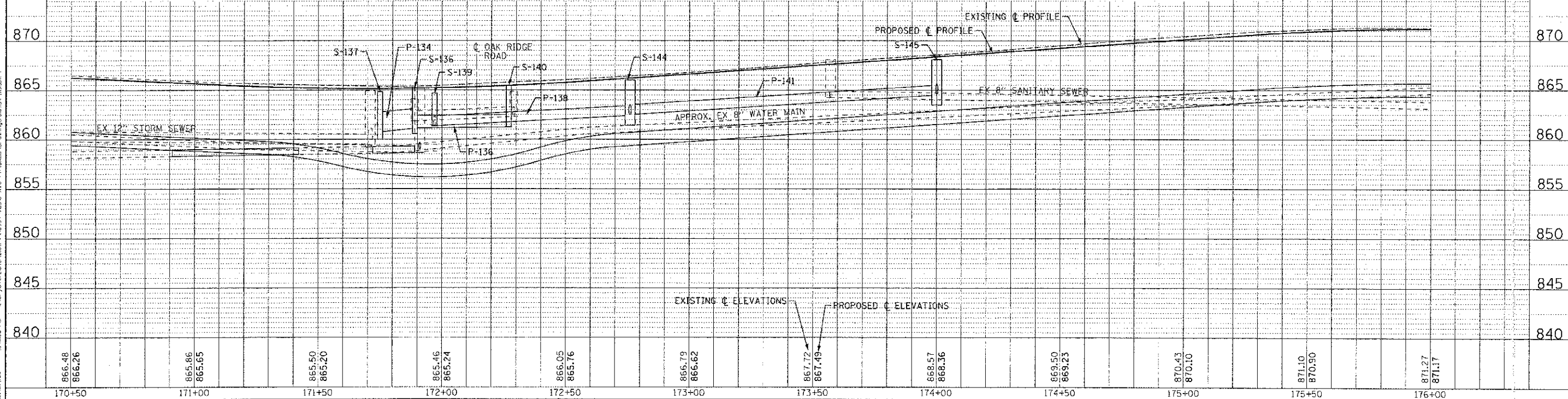
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 STATE OF ILLINOIS - PROFESSIONAL ENGINEER FIRM
 LICENSE NO. - BR-00077 - OFFICE - OFFICE 4/20/2013
 2300 N. WOODMAN DRIVE, SUITE 200, DEERFIELD, IL 60015
 PH: 847.940.1234 FAX: 847.940.1235



NO.	TYPE	TY	DIA (IN)	LENGTH (FT)	SLOPE	TBF (CY)
P-129	STORM SEWERS (WATER MAIN REQUIREMENTS)	1	15	99	0.51%	16
P-130	STORM SEWERS (WATER MAIN REQUIREMENTS)	1	12	12	0.50%	3
P-131	STORM SEWERS (WATER MAIN REQUIREMENTS)	1	12	8	4.87%	2
P-132	STORM SEWERS (WATER MAIN REQUIREMENTS)	1	15	35	0.40%	12
P-133	STORM SEWERS (WATER MAIN REQUIREMENTS)	1	18	26	0.50%	7
P-134	STORM SEWERS, CLASS A, RUBBER GASKET	1	24	49	0.73%	34
P-135	STORM SEWERS, CLASS A, RUBBER GASKET	1	24	7	1.43%	6
P-136	STORM SEWERS (WATER MAIN REQUIREMENTS)	1	15	39	0.26%	15
P-137	STORM SEWERS, CLASS A, RUBBER GASKET	1	15	10	1.00%	4
P-138	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	81	1.30%	23
P-140	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	27	1.07%	8
P-141	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	125	1.59%	38
P-143	STORM SEWERS (WATER MAIN REQUIREMENTS)	1	12	26	1.54%	8

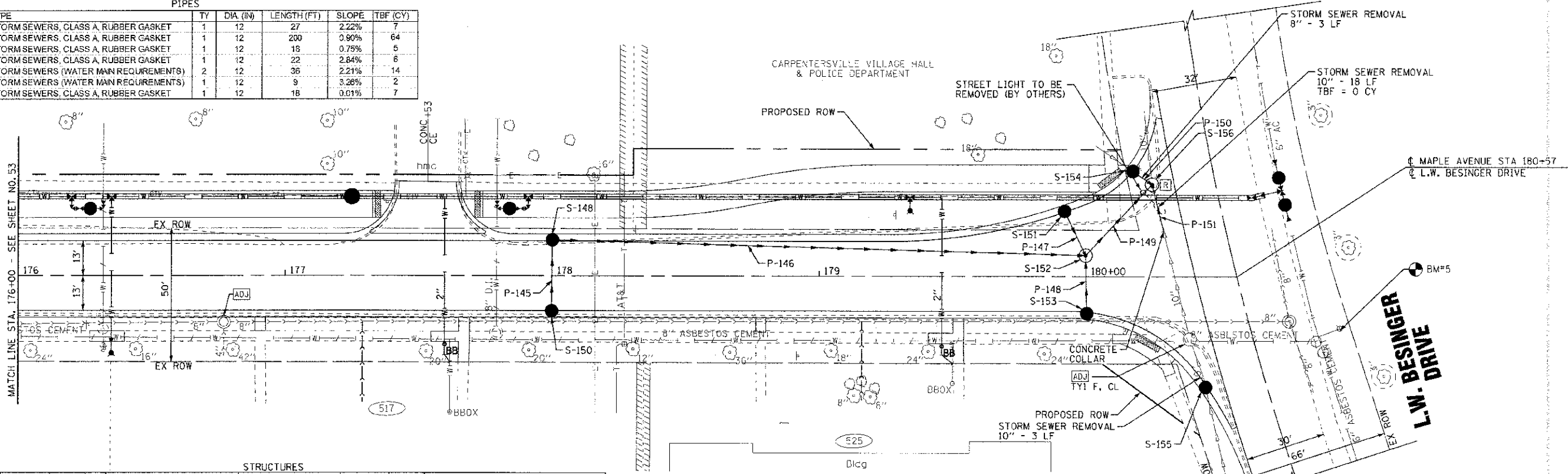
LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM/EP	Elevation (invert) (ft)
880	S-131	170+95	23' RT	INLET TYPE B	T-8 G	864.50	EP 861.30 16"E
	S-132	171+54	21' RT	CATCH BASIN TYPE A, 4'DIA.	T-8 G	864.23	RM 861.24 16"E,W; 861.50 12"N
	S-133	171+42	13' RT	INLET TYPE A	T-24 F&G	864.94	EP 861.95 12"E
	S-134	171+54	13' RT	INLET TYPE B	T-24 F&G	864.93	EP 861.89 12"S,W
	S-135	171+87	55' RT	CATCH BASIN TYPE A, 4'DIA.	T-8 G	864.40	RM 861.73 18"N
875	S-136	171+89	29.6' RT	MANHOLE TYPE A, 6'DIA.	T-1 F, C.L.	865.24	RIM 861.10 24"NW; 861.50 18"S; 861.10 15"E,W
	S-137	171+75	16.4' LT	CATCH BASIN TYPE A, 5'DIA.	T-24 F&G	864.84	EP 860.00 24"NW; 860.74 24"SE

LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RIM/EP	Elevation (invert) (ft)
	S-139	171+97	30.6' LT	CATCH BASIN TYPE A, 4'DIA.	T-24 F&G	864.68	RM 861.36 12"E; 861.36 12"N ex
	S-140	172+75	13' RT	CATCH BASIN TYPE A, 4'DIA.	T-24 F&G	865.48	EP 861.25 15"W; 861.35 15"S
	S-141	172+29	45' RT	CATCH BASIN TYPE A, 4'DIA.	T-8 G	864.75	RM 861.45 16"N; 861.45 12"S ex
	S-142	172+75	13' RT	CATCH BASIN TYPE C	T-24 F&G	865.93	EP 862.80 12"N
	S-144	172+76	14' LT	CATCH BASIN TYPE A, 4'DIA.	T-24 F&G	866.01	EP 862.51 12"E,S; 862.41 12"W
	S-145	174+00	13' LT	CATCH BASIN TYPE A, 4'DIA.	T-24 F&G	868.10	EP 864.60 12"E; 864.50 12"W
	S-147	174+00	13' RT	CATCH BASIN TYPE C	T-24 F&G	868.10	EP 865.00 12"N



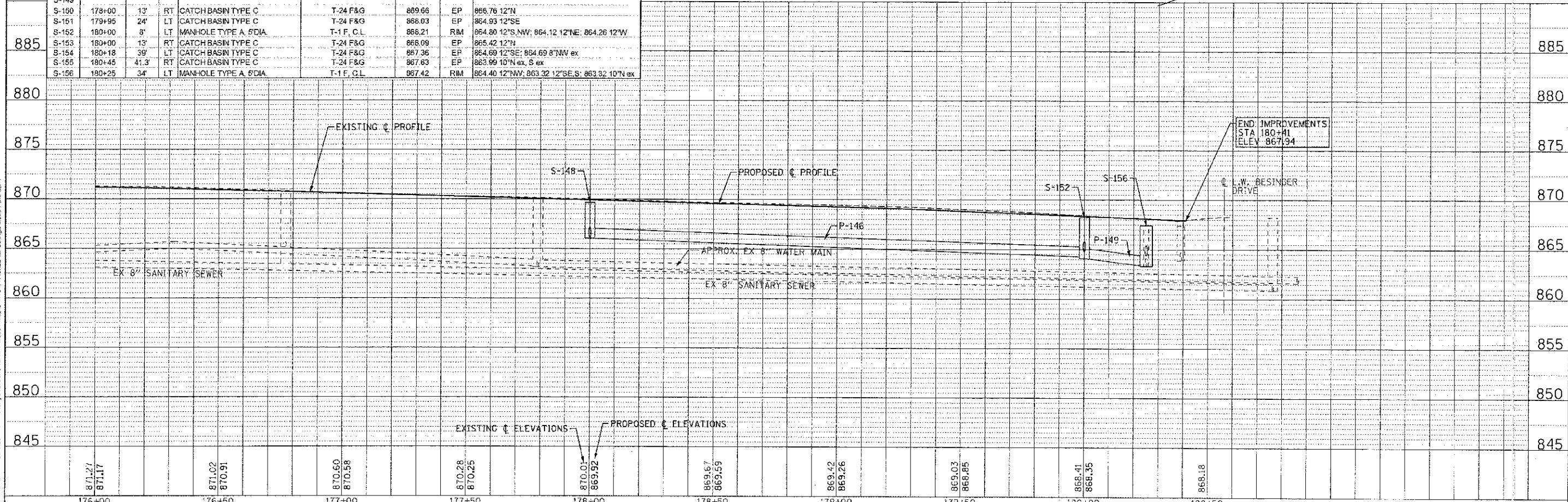
CONTRACT NO. 63745, BY BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION
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PIPES						
NO.	TYPE	TY	DIA. (IN)	LENGTH (FT)	SLOPE	TBF (CY)
P-145	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	27	2.22%	7
P-146	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	200	0.90%	64
P-147	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	19	0.75%	5
P-148	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	22	2.84%	6
P-149	STORM SEWERS (WATER MAIN REQUIREMENTS)	2	12	36	2.21%	14
P-150	STORM SEWERS (WATER MAIN REQUIREMENTS)	1	12	9	3.26%	2
P-151	STORM SEWERS, CLASS A, RUBBER GASKET	1	12	18	0.01%	7



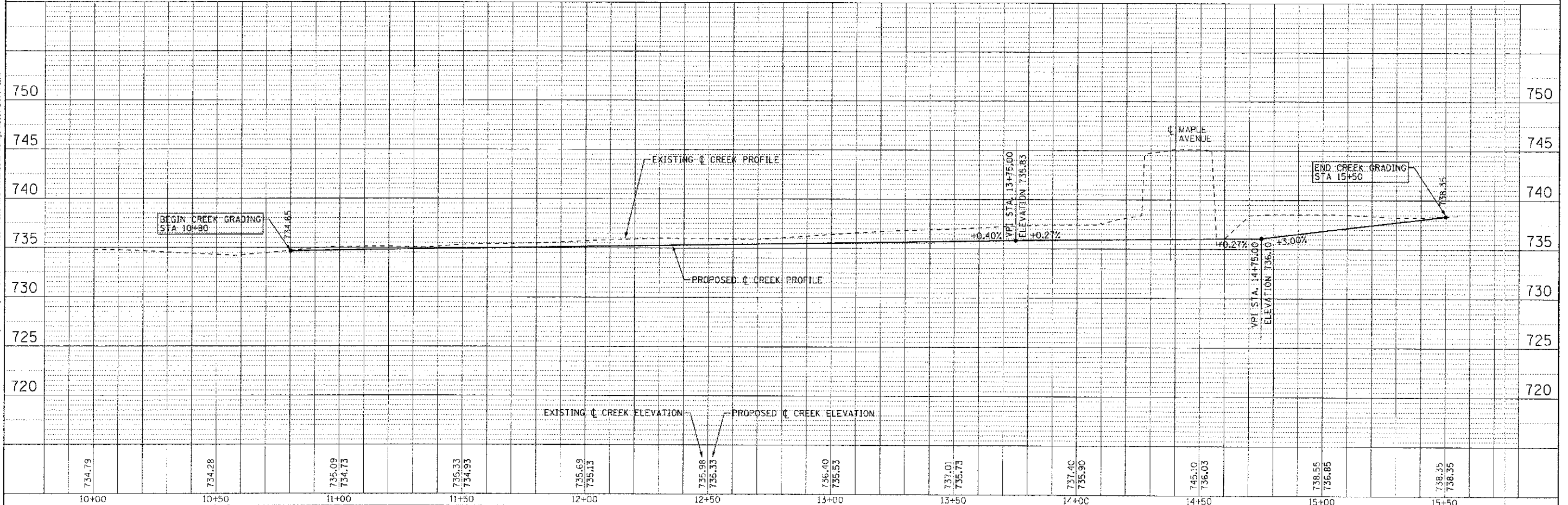
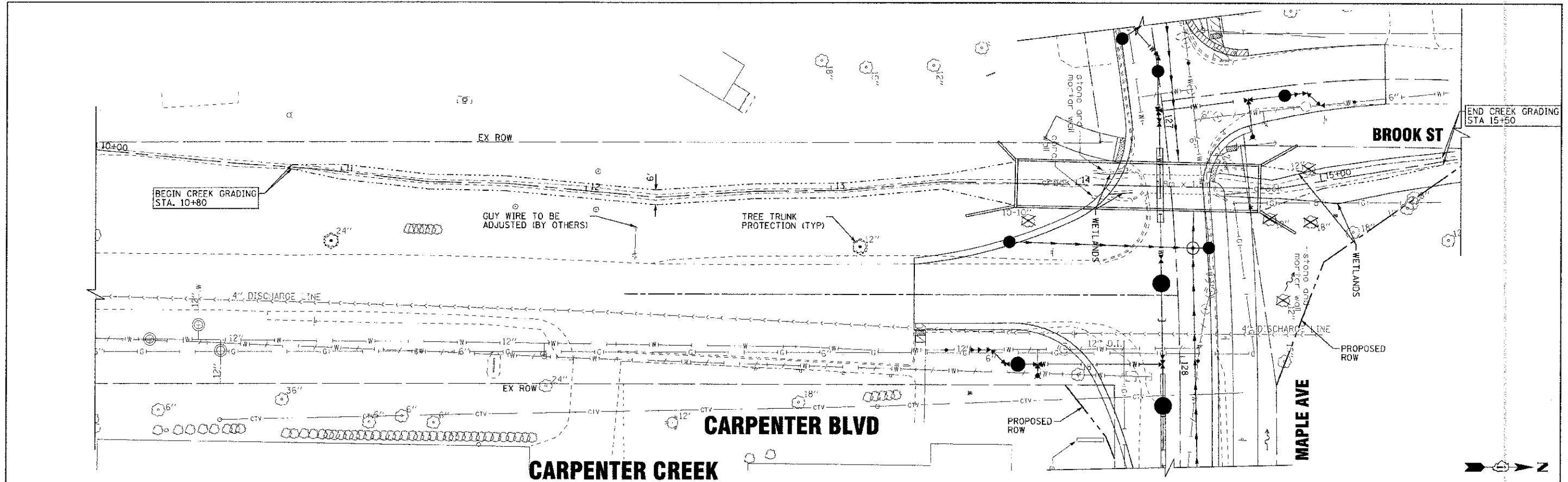
STRUCTURES							
LABEL	STATION	OFFSET (FT)	TYPE	FRAME	ELEVATION	RMEP	Elevation (Invert) (ft)
S-148	178+00	13'	LT CATCH BASIN TYPE A, 4'DIA.	T-24 F&G	869.66	EP	866.16 12'S; 866.06 12'E
S-149	178+00	13'	RT CATCH BASIN TYPE C	T-24 F&G	869.66	EP	866.76 12'N
S-150	179+00	13'	RT CATCH BASIN TYPE C	T-24 F&G	868.03	EP	864.93 12'SE
S-151	179+95	24'	LT CATCH BASIN TYPE C	T-24 F&G	868.03	EP	864.93 12'SE
S-152	180+00	8'	LT MANHOLE TYPE A, 5'DIA.	T-1 F, C.L.	868.21	RM	864.80 12'S, NW; 864.12 12'NE; 864.26 12'W
S-153	180+00	13'	RT CATCH BASIN TYPE C	T-24 F&G	868.09	EP	865.42 12'N
S-154	180+18	39'	LT CATCH BASIN TYPE C	T-24 F&G	867.36	EP	864.69 12'SE; 864.69 8'NW ex
S-155	180+45	41.3'	RT CATCH BASIN TYPE C	T-24 F&G	867.63	EP	863.99 10'N ex, S ex
S-156	180+25	34'	LT MANHOLE TYPE A, 5'DIA.	T-1 F, C.L.	867.42	RM	864.40 12'NW; 863.32 12'SE, S; 863.32 10'N ex

MAPLE AVENUE



	DESIGNED - AMM	REVISED - PER IDOT 10/19/12	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY MAPLE AVENUE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN - UKB	REVISIONS			4006	95-00049-00-PV	KANE	136	54	
CHECKED - RWL	REVISIONS	FILE - 110994-DU14.sht	SCALE: H: 1"=20' V: 1"=5'		STA. 176+00 TO STA. 180+50		CONTRACT NO. 63745			
DATE - 06/20/12	FILE - 110994-DU14.sht				FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT N-8006 (095)					

CONTRACT NO. 95-00049-00-PV
 STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 PROJECT NO. 110994-DU14
 SHEET NO. 54 OF 136
 DATE: 06/20/12
 DRAWN BY: UKB
 CHECKED BY: RWL
 DESIGNED BY: AMM
 FILE: 110994-DU14.sht



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 STATE OF ILLINOIS - PROFESSIONAL DESIGN PERM
 LICENSE NO. 041 000001 - EXPIRES 4/30/2013
 2500 S. W. 10TH AVE. SUITE 100
 MIAMI, FL 33155-3701

DESIGNED - AMM	REVISED - PER IDOT 10/19/12
DRAWN - UKB	REVISED -
CHECKED - RWL	REVISED -
DATE - 06/20/12	FILE - H10994-CRK-PPI.shx

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY
CARPENTER CREEK

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

STA. 10+00 TO STA. 15+56

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4006	95-00049-00-PV	KANE	138	56
CONTRACT NO. 63745				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT W-8003 (096)				

WATER MAIN AND SANITARY SEWER GENERAL NOTES

1. PROVIDE PRECONSTRUCTION DIGITAL VIDEO DISCS (DVDs) TO THE ENGINEER PRIOR TO THE START OF CONSTRUCTION.
2. CONTACT THE FOLLOWING PERSON AT LEAST 72 HOURS PRIOR TO CONSTRUCTION:
MR. ROBERT COLE, DIRECTOR OF PUBLIC WORKS FOR THE VILLAGE OF CARPENTERSVILLE AT (847) 836-2464, EXTENSION 1600.
3. WATER MAINS TO BE INSTALLED WITH A MINIMUM OF 5'-6" OF COVER UNLESS OTHERWISE SHOWN ON DRAWINGS.
4. THE LOCATIONS OF EXISTING UNDERGROUND FACILITIES SHOWN ON THE DRAWINGS ARE BASED ON INFORMATION PROVIDED BY OWNERS OF THE FACILITIES AND ARE NOT NECESSARILY COMPLETE OR ACCURATE.
 - A. CONTRACTOR SHALL HAVE UTILITY FACILITIES LOCATED, AND SHALL POTHOLE UTILITY CROSSINGS AND AN ADEQUATE NUMBER OF LONGITUDINAL LOCATES TO ELIMINATE ELEVATION/GRADE AND ALIGNMENT CONFLICTS WITH PROPOSED PIPE INSTALLATION.
 - B. CONTRACTOR SHALL CONTACT VILLAGE OF CARPENTERSVILLE, PRIOR TO CONSTRUCTION, FOR WATER SERVICE LINE LOCATIONS.
5. SIZES OF EXISTING WATER MAINS WERE DETERMINED FROM VILLAGE OF CARPENTERSVILLE WATER MAIN ATLASES AND PLANS, AND MAY NOT REPRESENT ACTUAL WATER MAINS SIZES. CONTRACTOR, INSERTION VALVE SUBCONTRACTOR, OR WATER MAIN TAPPING SUBCONTRACTOR SHALL HAVE AN ADEQUATE NUMBER OF FITTINGS, INSERTION VALVES, AND TAPPING SLEEVES AND TAPPING VALVES AVAILABLE TO COMPLETE WORK WITHOUT DELAYS DUE TO VARYING WATER MAIN PIPE SIZES.
6. PROTECT EXISTING UNDERGROUND UTILITIES AND SANITARY SEWER BUILDING SERVICE LINES FROM DAMAGE. MAKE EXPLORATIONS AS NECESSARY TO DETERMINE THE EXACT LOCATIONS OF EXISTING UTILITIES. EXERCISE CARE DURING THE PROGRESS OF WORK TO PREVENT DAMAGE TO EXISTING UNDERGROUND FACILITIES AND UTILITIES. SEE SPECIAL PROVISIONS FOR SANITARY SEWER TELEVISIONING AND SANITARY SEWER SERVICE LINE LOCATING WORK.
7. COORDINATE WITH UTILITY COMPANIES TO SUPPORT, PROTECT, OR REMOVE AND REPLACE ALL POLES OR POLE ANCHORS AFFECTED BY UNDERGROUND CONSTRUCTION, EVEN WHERE SUPPORT IS NOT INDICATED ON THE DRAWINGS. COST OF THIS WORK SHALL BE INCIDENTAL TO CONSTRUCTION.
8. OVEREXCAVATE UNSUITABLE SOIL ENCOUNTERED AT THE BOTTOM OF THE PIPE, MANHOLE OR VAULT EXCAVATION; AND REPLACE WITH GRANULAR MATERIAL AS DETERMINED BY THE ENGINEER.
9. REPLACE EXISTING DRAIN TILES DISTURBED BY CONSTRUCTION WITH SAME SIZE P.V.C. (SDR 26) PLASTIC PIPE AND NON-SHEAR, FLEXIBLE, STAINLESS STEEL BANDED COUPLINGS.
10. PROTECT ALL PAVED AREAS FROM DAMAGE.
11. DO NOT STORE MATERIALS, STRUCTURES, OR MACHINES WHERE THEY WILL OBSTRUCT STREET OR DRIVEWAY SIGHTLINES.
12. REESTABLISH EXISTING DRAINAGE PATTERNS IMMEDIATELY AFTER BACKFILLING AND DURING FINAL GRADING.
13. ALL DUCTILE IRON PIPE, FITTINGS, BURIED VALVES, FIRE HYDRANTS, VALVE BOXES AND SERVICE CONNECTIONS SHALL BE WRAPPED WITH POLYETHYLENE SHEETING OR TUBES.
14. COVER ALL NEW FIRE HYDRANTS WITH BLACK PLASTIC BAGS AFTER INSTALLATION AND UNTIL NEW WATER MAIN IS IN SERVICE.
15. ADJUST MANHOLE AND VAULT RIM ELEVATIONS TO FINAL GRADE AT THE TIME OF FINAL PAVING OR LANDSCAPING. COST OF FRAME ADJUSTMENTS TO FINAL GRADE SHALL BE INCLUDED IN THE COST OF THE PAY ITEM.
16. PROTECT AND TUNNEL EXISTING WATER MAINS AND WATER SERVICE LINES. IF WATER SERVICE LINES ARE DAMAGED, THEY SHALL BE REPLACED FROM THE WATER MAIN TO THE SERVICE BOX (SPICES ARE NOT ALLOWED). THE COST OF THIS WORK SHALL BE INCIDENTAL TO CONSTRUCTION.
17. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN PROPOSED WATER MAIN LOCATIONS AND EXISTING UTILITY FACILITIES AT LEAST 3 WORKING DAYS PRIOR TO THE INSTALLATION OF THE WATER MAINS.
18. CONTRACTOR TO NOTIFY RESIDENTS AND BUSINESS OWNERS AT LEAST 48 HOURS PRIOR TO ANY DISRUPTION OR SHUTDOWN OF WATER SERVICE.
19. FIRE HYDRANTS SHALL BE ROTATED SO PUMPER NOZZLE FACES THE ADJACENT ROADWAY.
20. DEFLECT WATER MAIN JOINTS WITH A MAXIMUM OF 60% OF THE MANUFACTURER'S RECOMMENDED MAXIMUM JOINT DEFLECTION ANGLE TO OBTAIN ALIGNMENT ALONG CURVILINEAR STREETS OR CURVED ALIGNMENTS.
21. VERIFY ELEVATIONS, SIZES AND PIPE MATERIALS/THICKNESSES OF EXISTING SANITARY SEWER AND STORM SEWER PIPES PRIOR TO CONSTRUCTION AND INSTALLATION OF CASING PIPES. PROVIDE POTHOLING SERVICES AS REQUIRED TO VERIFY EXISTING PIPE INFORMATION.
22. EXISTING VALVES TO BE RESTRAINED OR BRACED AS REQUIRED PRIOR TO CLOSING VALVES FOR CONNECTION OF PROPOSED WATER MAINS TO EXISTING WATER MAINS OR FOR ABANDONMENT OF EXISTING WATER MAINS.
23. AT LOCATIONS WHERE WATER MAIN QUALITY PIPE IS USED TO REPLACE EXISTING SANITARY SEWER OR STORM SEWER PIPE, APPLY GREEN TAPE OVER PIPE SPECIFICATION LABELS ALONG THE ENTIRE LENGTH OF EACH SECTION OF REPLACEMENT SEWER PIPE.
24. INSTALL NEW WATER MAINS BENEATH EXISTING WATER MAINS, FIRE HYDRANT LEADER PIPES, AND WATER SERVICE PIPES AND LINES, UNLESS OTHERWISE NOTED ON DRAWINGS.
25. FOR HORIZONTAL DIRECTIONAL DRILLING (H.D.D.) METHODS AND LOCATIONS:
 - A. CONTRACTOR MAY SET UP AND STAGE FOR HORIZONTAL DRILLING OPERATIONS AT EITHER END OF A DRILLING LOCATION. DO NOT EXCEED JOINT DEFLECTION OF THE PIPE USED FOR H.D.D. WORK.
 - B. DRILLING RIG AND APPURTENANT EQUIPMENT AT EITHER END OF THE DRILLING LOCATION SHALL BE LOCATED TO ALLOW USE OF ADJACENT STREET INTERSECTION OR ADJACENT DRIVEWAYS).
 - C. AT LEAST ONE LANE OF TRAFFIC SHALL BE MAINTAINED AT ALL TIMES DURING SETUP, DRILLING AND PULLBACK COMPLYING WITH THESE GENERAL NOTES, THE DRAWINGS AND THE PROJECT MANUAL.
26. CONTRACTOR MAY INSTALL PROPOSED WATER MAIN BY OPEN CUT TRENCH METHODS IN LIEU OF HORIZONTAL DIRECTIONAL DRILLING (H.D.D.) METHODS. OPEN CUT TRENCH METHODS SHALL INCLUDE COMPACTED TRENCH BACKFILL WHERE REQUIRED; ADEQUATE AND PROPER SUPPORT OF ALL UNDERGROUND AND POLE MOUNTED UTILITIES; REPAIRS TO DISTURBED/DAMAGED UTILITIES; SURFACE RESTORATION; TRAFFIC CONTROL; AND ANY OTHER ADDITIONAL MATERIALS AND WORK NECESSARY TO MATCH THE PROJECT INTENT AT NO ADDITIONAL COST TO THE CONTRACT.
27. CONTRACTOR MAY INSTALL PROPOSED WATER MAIN BY HORIZONTAL DIRECTIONAL DRILLING (H.D.D.) METHODS IN LIEU OF OPEN CUT TRENCH METHODS. THE H.D.D. WORK SHALL INCLUDE LOCATING AND POTHOLING UNDERGROUND UTILITIES; REPAIRS TO DISTURBED/DAMAGED UTILITIES; PROVIDING RESTRAINED JOINT PIPE; CUTTING WATER MAIN TO INSTALL FITTINGS; INCLUDING ANY NECESSARY SLEEVES; TRAFFIC CONTROL; AND ANY OTHER ADDITIONAL MATERIALS AND WORK NECESSARY TO MATCH THE PROJECT INTENT AT NO ADDITIONAL COST TO THE CONTRACT.
28. WATER MAIN PIPE SHALL BE:
 - A. OPEN-CUT TRENCHES:
 1. DUCTILE IRON PIPE COMPLYING WITH A.N.S.I. A21.51, THICKNESS CLASS 52; WITH JOINTS COMPLYING WITH A.N.S.I. A 21.11; AND WITH CEMENT LINING COMPLYING WITH A.N.S.I. A21.4/A.W.W.A. C104, STANDARD THICKNESS. PROVIDE RESTRAINED JOINTS WHERE CALLED FOR ON THE DRAWINGS.
 - B. HORIZONTAL DIRECTIONAL DRILLING (H.D.D.):
 1. DUCTILE IRON PIPE COMPLYING WITH A.N.S.I. A21.51, THICKNESS CLASS 52; WITH RESTRAINED JOINTS COMPLYING WITH A.N.S.I. A 21.11; AND WITH CEMENT LINING COMPLYING WITH A.N.S.I. A21.4/A.W.W.A. C104, STANDARD THICKNESS. ALL PIPE SHALL BE WRAPPED WITH POLYETHYLENE SHEETING OR TUBES IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
 - C. ALL DUCTILE IRON FITTINGS AND VALVES SHALL HAVE RESTRAINED JOINTS.
29. GRANULAR PIPE BEDDING AND COVERING MATERIAL SHALL CONFORM TO THE FOLLOWING:
 - A. PROVIDE WELL GRADED SAND, GRAVEL OR CRUSHED STONE FREE OF CLAY, LOAM, DIRT, CALCAREOUS OR OTHER FOREIGN MATTER CONFORMING TO I.D.O.T. "STANDARD SPECIFICATIONS" GRADATION CA-11 OR THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS, WITH THE FOLLOWING GRADATION:

SIEVE SIZE	PERCENT PASSING
1 INCH	100%
3/4 INCH	84-100%
1/2 INCH	30-60%
NO. 4	0-12%
NO. 16	0-6%
 - B. FOR RIGID PIPES COMPLY WITH A.S.T.M. C12, BEDDING CLASS B.
30. WATER SERVICES TO BE INSTALLED AFTER NEW WATER MAINS HAVE BEEN TESTED, DISINFECTED, AND FLUSHED AND ACCEPTED FOR USE BY THE VILLAGE OF CARPENTERSVILLE.
31. ABANDON EXISTING WATER MAINS, FIRE HYDRANTS, VALVES, VALVE VAULTS AND BOXES, AND SERVICE LINES AFTER ALL WATER SERVICES HAVE BEEN CONNECTED TO THE NEW WATER MAIN(S). FIRE HYDRANTS, VALVE BOXES, VALVE VAULT FRAMES AND COVERS REMOVED DURING WATER MAIN ABANDONMENT WORK SHALL BE DELIVERED TO THE VILLAGE OF CARPENTERSVILLE PUBLIC WORKS GARAGE.
32. CONTRACTOR SHALL COMPLY WITH INDUSTRY STANDARDS AND KANE COUNTY CONTINGENCY PLANS TO PREVENT AND TO RESPOND TO A "FRAC-OUT" EVENT.
33. WHERE AN INSERTION VALVE, PLUG/CAP AND CONCRETE THRUST BLOCK IS CALLED FOR ON THE PLANS, CONTRACTOR SHALL CUT A SHORT SECTION OF WATER MAIN OUT OF THE WATER MAIN TO BE ABANDONED AND INSTALL THE CONCRETE THRUST BLOCK AGAINST THE PLUG/CAP AND THE CUT END OF THE WATER MAIN TO BE ABANDONED.
34. WATER MAIN (AND WATER SERVICE LINES GREATER THAN 2" DIAMETER) INSTALLATIONS CROSSING MAPLE AVENUE SHALL BE COMPLETED SUCH THAT AT LEAST ONE LANE OF TRAFFIC IS MAINTAINED AT ALL TIMES. CONTRACTOR MAY INSTALL TEMPORARY PAVEMENT FOR RUNAROUND OF THE CONSTRUCTION AREA AS REQUIRED, OR CONTRACTOR MAY USE TRENCHLESS METHODS OF PIPE INSTALLATION WHERE EXISTING RIGHTS-OF-WAY PROVIDE ADEQUATE ROOM FOR EQUIPMENT AND OPERATIONS.
35. CONTRACTOR SHALL TELEVISION ALL SANITARY SEWERS ALONG MAPLE AVENUE TO SEND A LOCATING/TRANSMITTING SONDE UP INTO EACH SERVICE PIPE TO BE CROSSED WITH NEW WATER MAIN PIPE. THE OPERATIONS AND SYSTEM USED SHALL BE THE LATERAL LAUNCH SYSTEM, OR EQUAL, AND SHALL BE USED TO LOCATE ALL SANITARY SEWER SERVICES - BOTH HORIZONTALLY (LATERAL LAUNCH) AND VERTICALLY (POTHOLING)-FOR HDD WATER MAIN INSTALLATION. THE WORK SHALL BE DONE PRIOR TO CONSTRUCTION, AND CAN BE COMBINED WITH THE TELEVISIONING NEEDED FOR CIPP LINING WORK.
36. THE FOLLOWING SANITARY SEWERS ARE TO BE LINED WITH CURED-IN-PLACE PIPE LINING AFTER ALL SANITARY SEWER REPAIRS AND IMPROVEMENTS SHOWN ON THE PLANS ARE COMPLETED:
 - ALONG MAPLE AVENUE, BETWEEN LORD AVENUE AND BROOK STREET (FROM SAN MH 15D-51 TO SAN MH 15D-54).
 - ALONG MAPLE AVENUE, BETWEEN STA. 135+45 AND OAK RIDGE ROAD (FROM SAN MH 14C-3 TO SAN MH 15D-2); EXCEPT THE NEW SANITARY SEWER SECTION FROM SAN MH 14C-42 TO SAN MH 14C-43).
 - ALONG MAPLE AVENUE, BETWEEN OAK RIDGE ROAD AND L.W. BESINGER DRIVE (FROM SAN MH 14D-1 TO SAN MH 14D-3).
 - CROSSING MAPLE AVENUE FROM SAN MH 15D-2 TO SAN MH 15D-3 AT STA. 135+45.
 - CROSSING MAPLE AVENUE FROM SAN MH 14C-48 TO SAN MH 14C-49 AT STA. 143+20.
37. EXCAVATION OF EXISTING ASBESTOS CEMENT WATER MAINS TO ALLOW REPLACEMENT OF EXISTING WATER MAINS WITH NEW DUCTILE IRON WATER MAIN PIPE SHALL INCLUDE CRUSHING THE EXISTING ASBESTOS CEMENT PIPE IN PLACE AND LEAVING THE RESIDUAL CRUSHED PIPE IN THE BOTTOM OF THE TRENCH. COVER CRUSHED PIPE WITH BEDDING MATERIAL AS PART OF BEDDING AND COVERING OF NEW WATER MAIN PIPE.
38. INSTALL CONCRETE THRUST BLOCKS AT THE SPECIFIC FITTINGS CALLED FOR IN THE WATER MAIN APPURTENANCE TABLES. INSTALL CONCRETE THRUST BLOCKS AT ALL OTHER TEES AND BENDS GREATER THAN 1 1/4"; UNLESS DETERMINED OTHERWISE BY OWNER OR ENGINEER AT TIME OF CONSTRUCTION.

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 STATE OF ILLINOIS - 110994-WM-GNTS-11-11-12
 DESIGNER: L. MOORE, P.E. (110994-WM-GNTS-11-11-12)
 CHECKER: R. WILSON, P.E. (110994-WM-GNTS-11-11-12)
 DATE: 08/20/12



DESIGNED -	SMV	REVISED -	PER IDOT 10/19/12
DRAWN -	UKB	REVISED -	
CHECKED -	RWL	REVISED -	
DATE -	08/20/12	FILE -	110994-WM-GNTS.shx

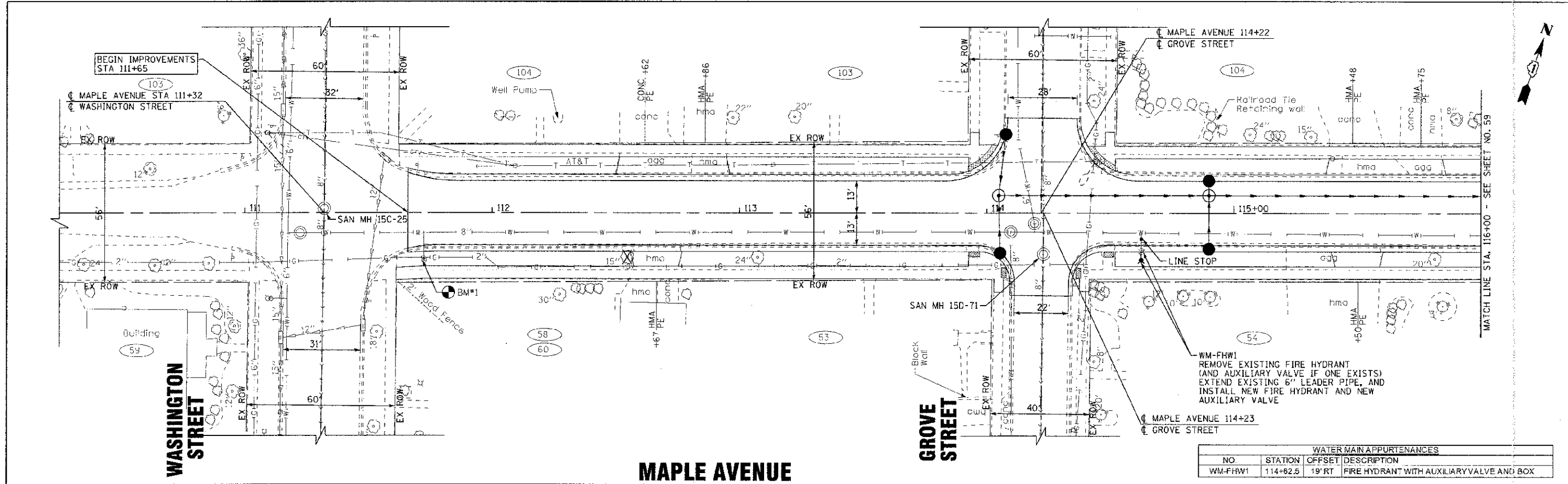
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WATER MAIN AND SANITARY SEWER GENERAL NOTES

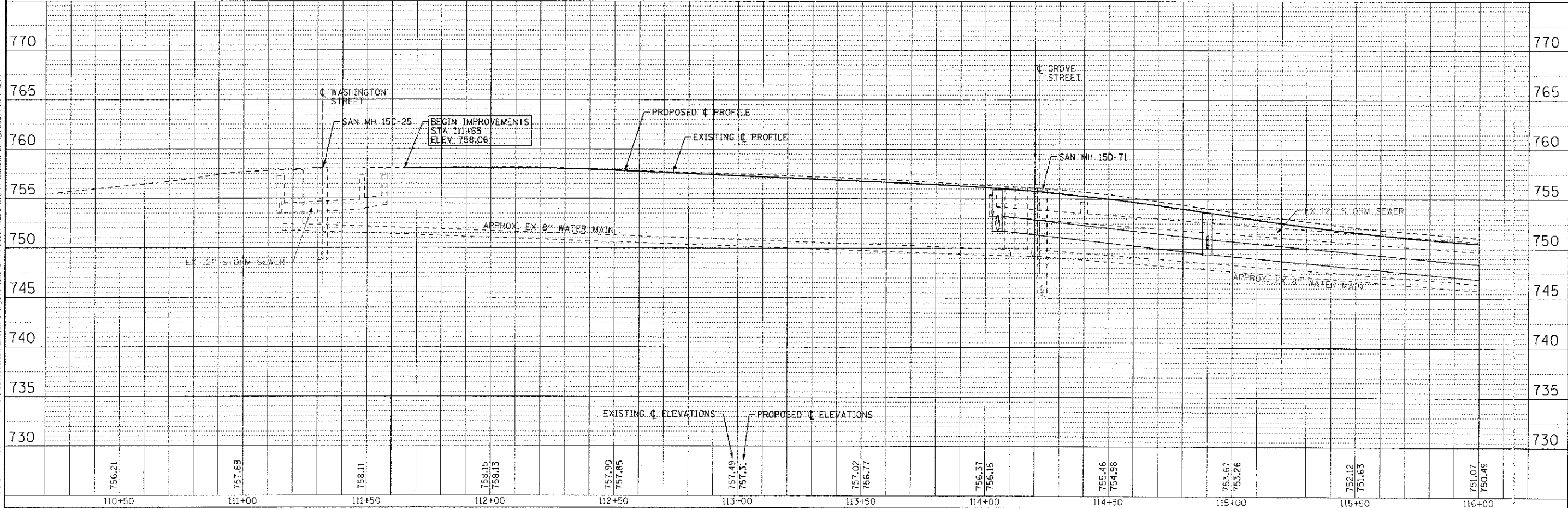
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F.A.I.:	SECTION	COUNTY	TOTAL SHEETS
4006	95-00049-00-PV	KANE	138
			57
			CONTRACT NO. 63745

FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT M-8003 (0995)



WATER MAIN APPURTENANCES			
NO	STATION	OFFSET	DESCRIPTION
WM-FHW1	114+82.5	19' RT	FIRE HYDRANT WITH AUXILIARY VALVE AND BOX



STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION
110+50	756.21	111+00	757.69	111+50	758.11	112+00	758.15 758.13	112+50	757.90 757.85	113+00	757.49 757.31	113+50	757.02 756.77
114+00	756.37 756.15	114+50	755.46 754.98	115+00	753.67 753.26	115+50	752.12 751.63	116+00	751.07 750.49				

DESIGNED	AMM/SMV	REVISED	- PER IDOT 10/19/12
DRAWN	- UKB	REVISED	
CHECKED	- RWL	REVISED	
DATE	- 06/20/12	FILE	- 110994-WM-PP1.shx

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

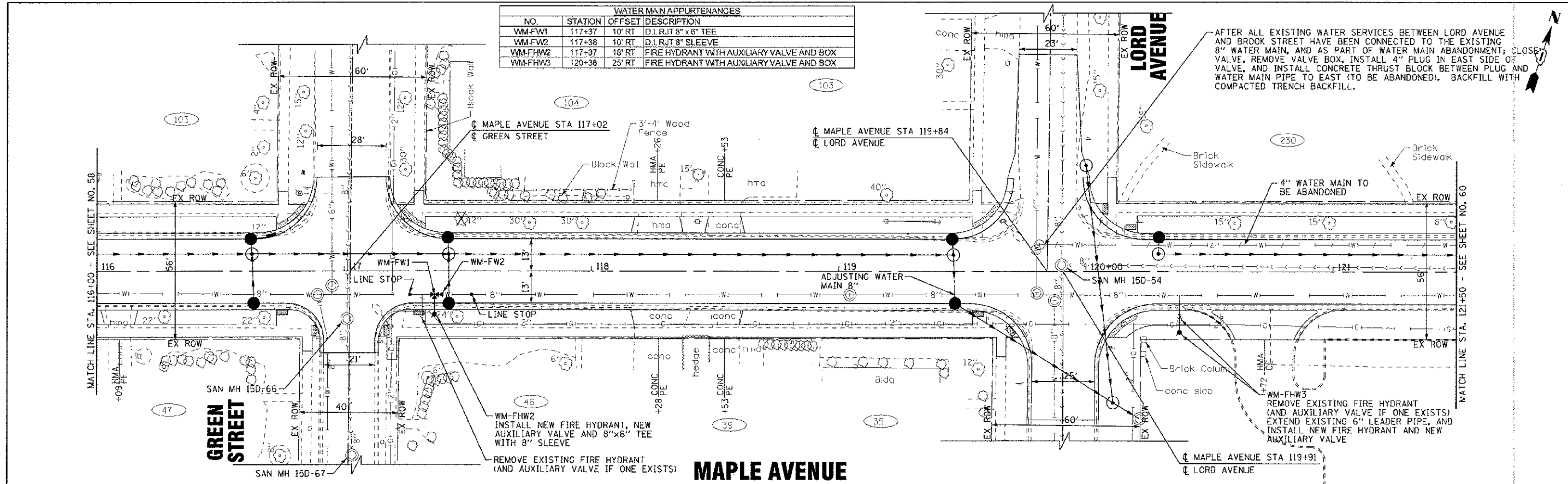
WATER MAIN AND SANITARY SEWER
MAPLE AVENUE

F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4006	95-00049-00-PV	KANE	136	58
CONTRACT NO. 63745				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT N-8003 (095)				

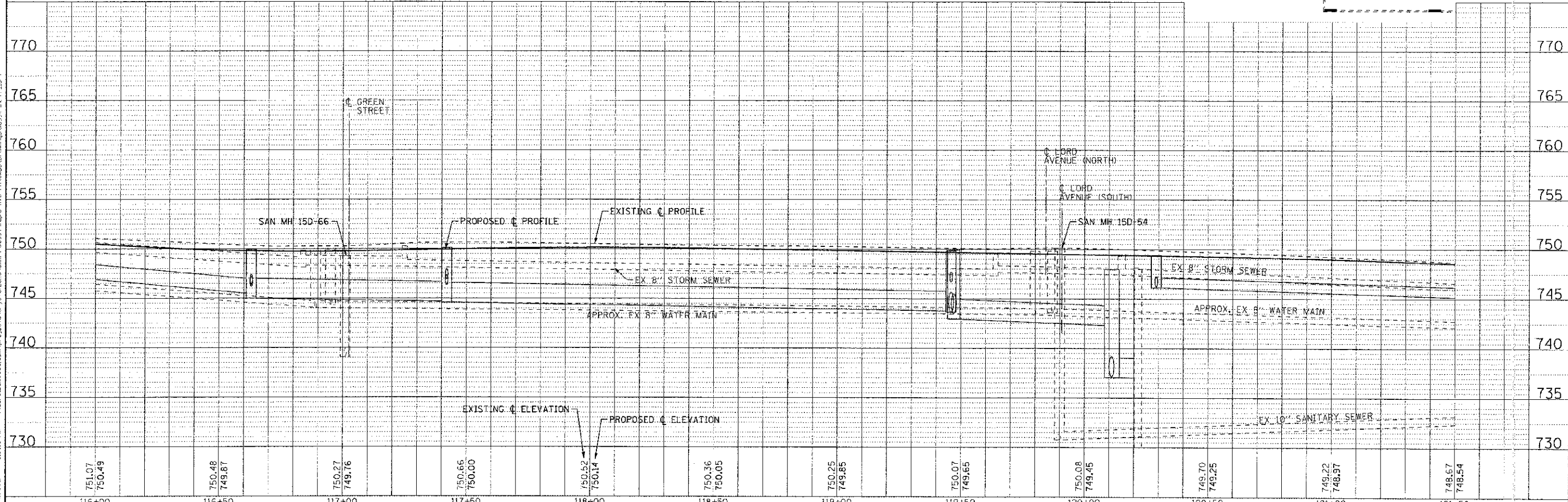
SCALE: H: 1"=20' V: 1"=5'
STA. 110+50 TO STA. 116+00

CONTRACT # 235 OF KANE & NEWMAN, INC.
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 2000 N. WASHINGTON ST., SUITE 200, CHICAGO, IL 60610
 TEL: (312) 281-1000 FAX: (312) 281-1001
 WWW.KANEANDNEWMAN.COM

WATER MAIN APPURTENANCES			
NO.	STATION	OFFSET	DESCRIPTION
WM-FW1	117+37	10' RT	D.I. RJT 8" x 6" TEE
WM-FW2	117+38	10' RT	D.I. RJT 8" SLEEVE
WM-FHW2	117+37	18' RT	FIRE HYDRANT WITH AUXILIARY VALVE AND BOX
WM-FHW3	120+38	25' RT	FIRE HYDRANT WITH AUXILIARY VALVE AND BOX



AFTER ALL EXISTING WATER SERVICES BETWEEN LORD AVENUE AND BROOK STREET HAVE BEEN CONNECTED TO THE EXISTING 8" WATER MAIN, AND AS PART OF WATER MAIN ABANDONMENT, CLOSE VALVE, REMOVE VALVE BOX, INSTALL 4" PLUG IN EAST SIDE OF VALVE, AND INSTALL CONCRETE THRUST BLOCK BETWEEN PLUG AND WATER MAIN PIPE TO EAST (TO BE ABANDONED). BACKFILL WITH COMPACTED TRENCH BACKFILL.



DESIGNED - AMM/SMV	REVISED - PER IDOT 10/19/12	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WATER MAIN AND SANITARY SEWER MAPLE AVENUE	F.A. RTE. 4006	SECTION 95-00049-00-PV	COUNTY KANE	TOTAL SHEETS 138
DRAWN - UK3	REVISED -			CONTRACT NO. 63745		TOTAL SHEETS 59	
CHECKED - RWL	REVISED -			FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT M-8003 (09b)			
DATE 06/20/12	FILE - 110994-WM-PP2.sht			SCALE: H: 1"=20' V: 1"=5'		STA. 116+00 TO STA. 121+50	

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NOTE:
FOR 322 MAPLE AVENUE - INSTALL NEW SERVICE LINE, WITH NEW CURB STOP, AND CONNECT TO EXISTING 8" WATER MAIN ALONG SOUTH SIDE OF MAPLE AVENUE.

AFTER ALL EXISTING WATER SERVICES BETWEEN LORD AVENUE AND BROOK STREET HAVE BEEN CONNECTED TO THE EXISTING 8" WATER MAIN, AND AS PART OF WATER MAIN ABANDONMENT, INSTALL A 6" CAP/PLUG WEST OF THE VALVE/TEE, AND INSTALL CONCRETE THRUST BLOCK BETWEEN CAP/PLUG AND WATER MAIN PIPE TO WEST (TO BE ABANDONED). BACKFILL WITH COMPACTED TRENCH BACKFILL.

BROOK STREET

REMOVE EXISTING FIRE HYDRANT (AND AUXILIARY VALVE IF ONE EXISTS)

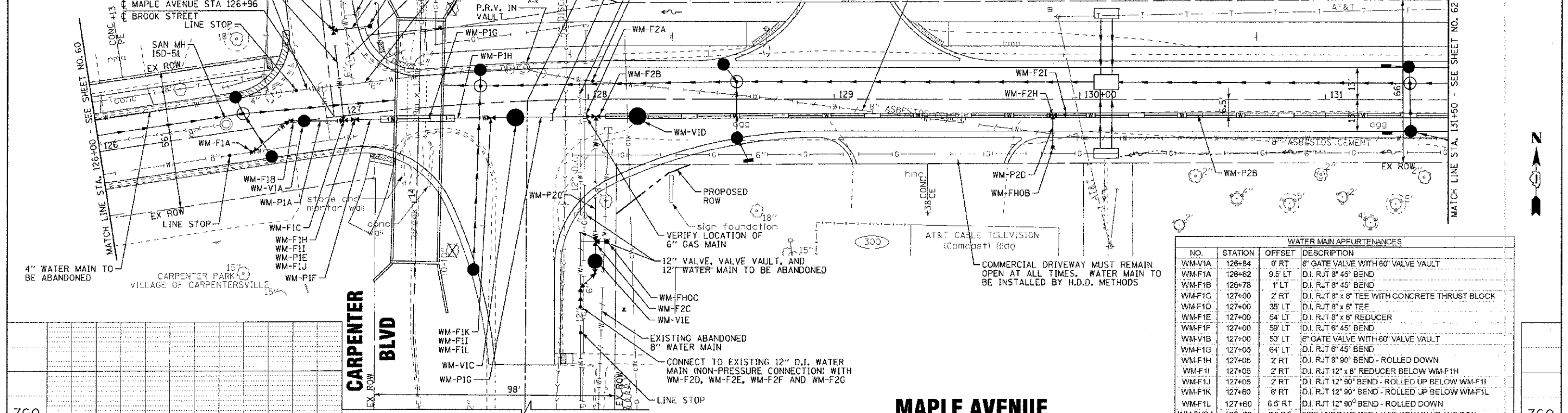
DISCHARGE LINE FROM INDUSTRIAL PLANT GROUNDWATER TREATMENT FACILITY
MAPLE AVENUE STA 127+75
CARPENTER BOULEVARD

TEMPORARY 12" PLUG/CAP (STAGE 1)
REMOVE 12" PLUG/CAP AND CONTINUE 12" WATER MAIN (STAGE 2)

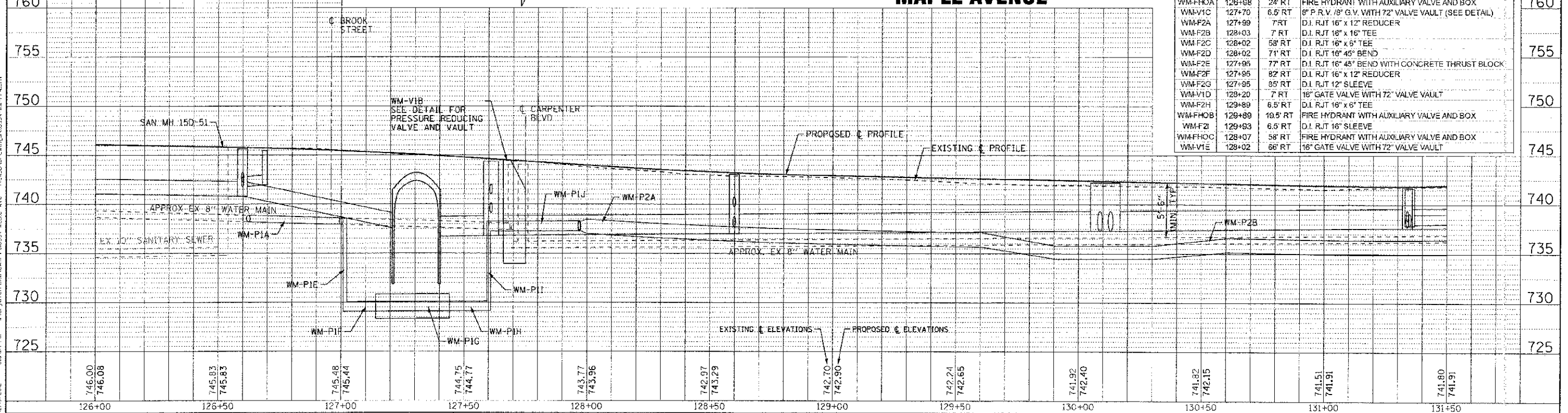
WATER MAIN PIPES				WATER MAIN PIPES			
NO.	LENGTH (LFT)	DIA. (IN.)	INSTALLATION METHOD	NO.	LENGTH (LFT)	DIA. (IN.)	INSTALLATION METHOD
WM-P1A	46	8 RJT	OPEN CUT	WM-P1G	30	12 RJT**	OPEN CUT
WM-P1B	56	8 RJT	OPEN CUT	WM-P1H	15	12 RJT	OPEN CUT
WM-P1C	12	6 RJT	OPEN CUT	WM-P1I	15	12 RJT	OPEN CUT
WM-P1D	10	6 RJT	OPEN CUT	WM-P1J	40	12 RJT	OPEN CUT
WM-P1E	10	12 RJT	OPEN CUT	WM-P2A	80	16 RJT	OPEN CUT
WM-P1F	10	12 RJT	OPEN CUT	WM-P2B	275	16 RJT	H.D.D.
				WM-P2C	85	16 RJT	OPEN CUT
				WM-P2D	8	6 RJT	OPEN CUT

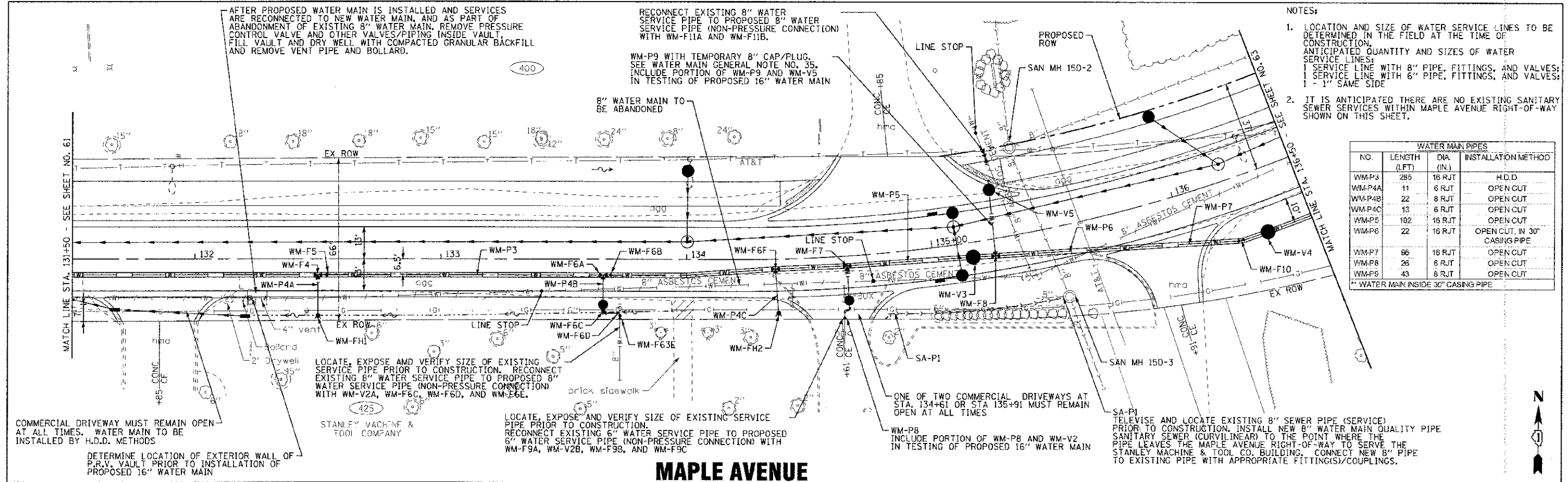
** WATER MAIN INSIDE 24" CASING PIPE

NOTES:
1. LOCATION AND SIZE OF WATER MAIN SERVICE LINES TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION. ANTICIPATED QUANTITY AND SIZES OF WATER MAIN SERVICE LINES: 1-1" SAME SIDE, 1-2" OPPOSITE SIDE.
2. IT IS ANTICIPATED THERE ARE NO EXISTING SANITARY SEWER SERVICES WITHIN THE MAPLE AVENUE RIGHT-OF-WAY SHOWN ON THIS SHEET.



WATER MAIN APPURTENANCES			
NO.	STATION	OFFSET	DESCRIPTION
WM-V1A	126+84	0' RT	8" GATE VALVE WITH 60" VALVE VAULT
WM-F1A	126+62	9.5' LT	D.I. RJT 8" 45° BEND
WM-F1B	126+78	1' LT	D.I. RJT 8" 45° BEND
WM-F1C	127+00	2' RT	D.I. RJT 8" x 8" TEE WITH CONCRETE THRUST BLOCK
WM-F1D	127+00	35' LT	D.I. RJT 8" x 6" TEE
WM-F1E	127+00	64' LT	D.I. RJT 8" x 6" REDUCER
WM-F1F	127+00	59' LT	D.I. RJT 6" 45° BEND
WM-V1B	127+00	50' LT	6" GATE VALVE WITH 60" VALVE VAULT
WM-F1G	127+05	64' LT	D.I. RJT 8" 45° BEND
WM-F1H	127+05	2' RT	D.I. RJT 8" 90° BEND - ROLLED DOWN
WM-F1I	127+05	2' RT	D.I. RJT 12" x 8" REDUCER BELOW WM-F1H
WM-F1J	127+05	2' RT	D.I. RJT 12" 90° BEND - ROLLED UP BELOW WM-F1I
WM-F1K	127+60	0' RT	D.I. RJT 12" 90° BEND - ROLLED UP BELOW WM-F1L
WM-F1L	127+60	6.5' RT	D.I. RJT 12" 90° BEND - ROLLED DOWN
WM-FHOA	126+88	24' RT	FIRE HYDRANT WITH AUXILIARY VALVE AND BOX
WM-V1C	127+70	6.5' RT	8" P.R.V. / 8" G.V. WITH 72" VALVE VAULT (SEE DETAIL)
WM-F2A	127+99	7' RT	D.I. RJT 16" x 12" REDUCER
WM-F2B	128+03	7' RT	D.I. RJT 16" x 16" TEE
WM-F2C	128+02	58' RT	D.I. RJT 16" x 6" TEE
WM-F2D	128+02	71' RT	D.I. RJT 16" 45° BEND
WM-F2E	127+95	77' RT	D.I. RJT 16" 45° BEND WITH CONCRETE THRUST BLOCK
WM-F2F	127+95	82' RT	D.I. RJT 16" x 12" REDUCER
WM-F2G	127+95	85' RT	D.I. RJT 12" SLEEVE
WM-V1D	128+20	7' RT	18" GATE VALVE WITH 72" VALVE VAULT
WM-F2H	129+89	6.5' RT	D.I. RJT 16" x 6" TEE
WM-FHOB	129+89	19.5' RT	FIRE HYDRANT WITH AUXILIARY VALVE AND BOX
WM-F2I	129+93	6.5' RT	D.I. RJT 16" SLEEVE
WM-FHOC	128+02	58' RT	FIRE HYDRANT WITH AUXILIARY VALVE AND BOX
WM-V1E	128+02	66' RT	16" GATE VALVE WITH 72" VALVE VAULT





- NOTES:
- LOCATION AND SIZE OF WATER SERVICE LINES TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION. ANTICIPATED QUANTITY AND SIZES OF WATER SERVICE LINES:
 1 SERVICE LINE WITH 8" PIPE, FITTINGS, AND VALVES;
 1 SERVICE LINE WITH 6" PIPE, FITTINGS, AND VALVES;
 1 - 1" SAME SIDE
 - IT IS ANTICIPATED THERE ARE NO EXISTING SANITARY SEWER SERVICES WITHIN MAPLE AVENUE RIGHT-OF-WAY SHOWN ON THIS SHEET.

WATER MAIN PIPES			
NO.	LENGTH (LFT)	DIA. (IN.)	INSTALLATION METHOD
WM-P3	285	16 RJT	H.D.D.
WM-P4A	11	6 RJT	OPEN CUT
WM-P4B	22	8 RJT	OPEN CUT
WM-P4C	13	6 RJT	OPEN CUT
WM-P5	102	16 RJT	OPEN CUT
WM-P6	22	16 RJT	OPEN CUT, IN 30" CASING PIPE
WM-P7	96	16 RJT	OPEN CUT
WM-P8	26	6 RJT	OPEN CUT
WM-P9	43	8 RJT	OPEN CUT

** WATER MAIN INSIDE 30" CASING PIPE

COMMERCIAL DRIVEWAY MUST REMAIN OPEN AT ALL TIMES. WATER MAIN TO BE INSTALLED BY H.D.D. METHODS

DETERMINE LOCATION OF EXTERIOR WALL OF P.R.V. VAULT PRIOR TO INSTALLATION OF PROPOSED 16" WATER MAIN

LOCATE, EXPOSE AND VERIFY SIZE OF EXISTING SERVICE PIPE PRIOR TO CONSTRUCTION. RECONNECT EXISTING 8" WATER SERVICE PIPE TO PROPOSED 8" WATER SERVICE PIPE (NON-PRESSURE CONNECTION) WITH WM-V2A, WM-F6C, WM-F6D, AND WM-F6E.

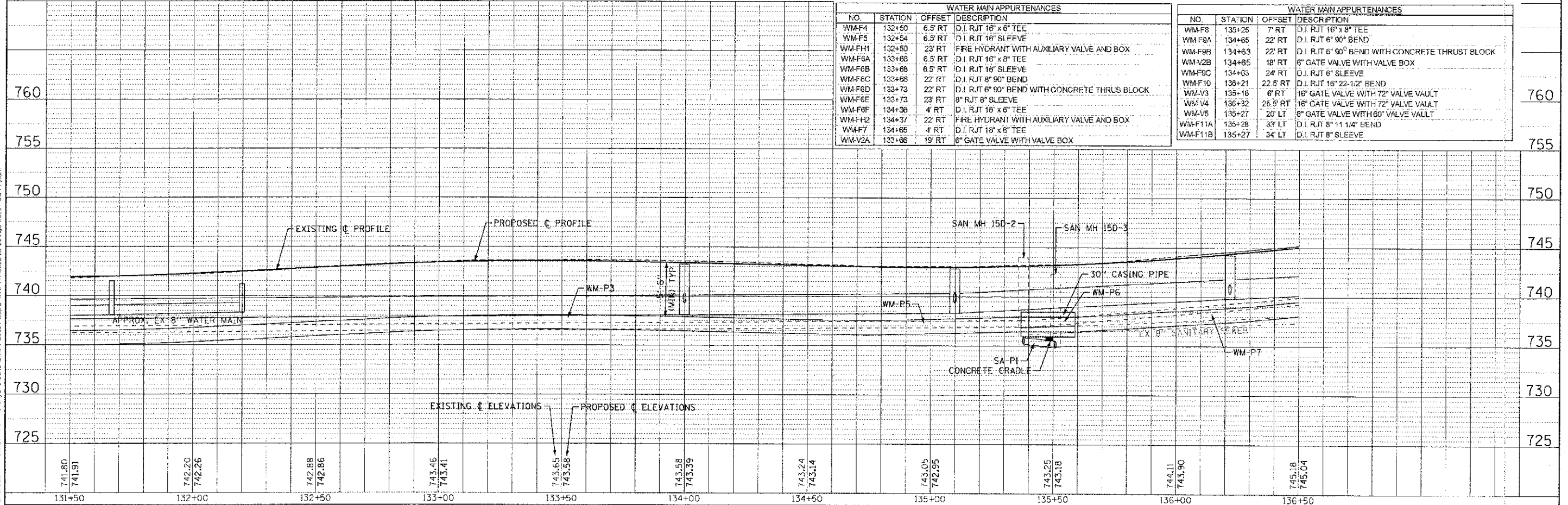
LOCATE, EXPOSE AND VERIFY SIZE OF EXISTING SERVICE PIPE PRIOR TO CONSTRUCTION. RECONNECT EXISTING 6" WATER SERVICE PIPE TO PROPOSED 6" WATER SERVICE PIPE (NON-PRESSURE CONNECTION) WITH WM-F9A, WM-V2B, WM-F9B, AND WM-F9C

ONE OF TWO COMMERCIAL DRIVEWAYS AT STA. 134+61 OR STA 135+91 MUST REMAIN OPEN AT ALL TIMES

WM-P8 INCLUDE PORTION OF WM-P8 AND WM-V2 IN TESTING OF PROPOSED 16" WATER MAIN

TELEPHONE AND LOCATE EXISTING 8" SEWER PIPE (SERVICE) PRIOR TO CONSTRUCTION. INSTALL NEW 8" WATER MAIN QUALITY PIPE SANITARY SEWER (CURVILINEAR) TO THE POINT WHERE THE PIPE LEAVES THE MAPLE AVENUE RIGHT-OF-WAY TO SERVE THE STANLEY MACHINE & TOOL CO. BUILDING. CONNECT NEW 8" PIPE TO EXISTING PIPE WITH APPROPRIATE FITTINGS/COUPLINGS.

MAPLE AVENUE



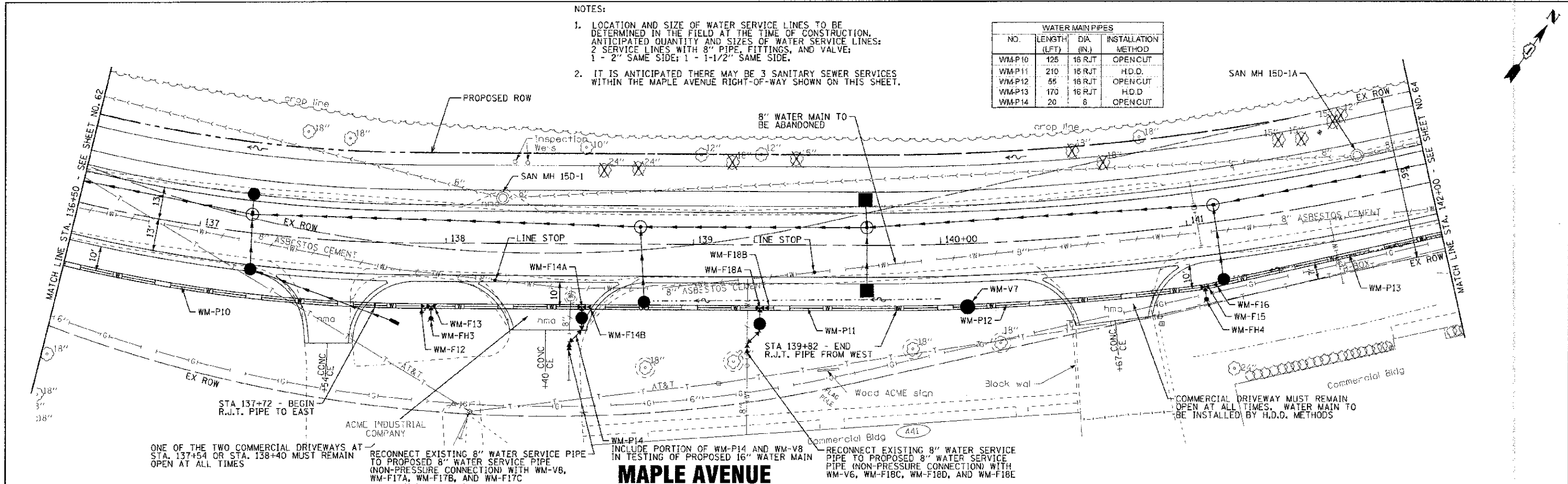
WATER MAIN APPURTENANCES			
NO.	STATION	OFFSET	DESCRIPTION
WM-F4	132+50	6.5' RT	D.I. RJT 16" x 6" TEE
WM-F5	132+54	6.5' RT	D.I. RJT 16" SLEEVE
WM-FH1	132+50	23' RT	FIRE HYDRANT WITH AUXILIARY VALVE AND BOX
WM-F6A	133+68	6.5' RT	D.I. RJT 16" x 8" TEE
WM-F6B	133+68	6.5' RT	D.I. RJT 16" SLEEVE
WM-F6C	133+66	22' RT	D.I. RJT 8" 90° BEND
WM-F6D	133+73	22' RT	D.I. RJT 6" 90° BEND WITH CONCRETE THRUS BLOCK
WM-F6E	133+73	23' RT	8" RJT 8" SLEEVE
WM-F6F	134+36	4' RT	D.I. RJT 16" x 6" TEE
WM-FH2	134+37	22' RT	FIRE HYDRANT WITH AUXILIARY VALVE AND BOX
WM-F7	134+65	4' RT	D.I. RJT 16" x 6" TEE
WM-V2A	133+66	19' RT	6" GATE VALVE WITH VALVE BOX

WATER MAIN APPURTENANCES			
NO.	STATION	OFFSET	DESCRIPTION
WM-F8	135+26	7' RT	D.I. RJT 16" x 8" TEE
WM-F9A	134+65	22' RT	D.I. RJT 6" 90° BEND
WM-F9B	134+63	22' RT	D.I. RJT 6" 90° BEND WITH CONCRETE THRUST BLOCK
WM-V2B	134+65	18' RT	6" GATE VALVE WITH VALVE BOX
WM-F9C	134+03	24' RT	D.I. RJT 6" SLEEVE
WM-F10	136+21	22.5' RT	D.I. RJT 16" 22-1/2" BEND
WM-V3	135+16	6' RT	16" GATE VALVE WITH 72" VALVE VAULT
WM-V4	136+32	26.5' RT	16" GATE VALVE WITH 72" VALVE VAULT
WM-V5	135+27	20' LT	8" GATE VALVE WITH 60" VALVE VAULT
WM-F11A	136+28	33' LT	D.I. RJT 8" 11 1/4" BEND
WM-F11B	135+27	34' LT	D.I. RJT 8" SLEEVE

NOTES:

1. LOCATION AND SIZE OF WATER SERVICE LINES TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION. ANTICIPATED QUANTITY AND SIZE OF WATER SERVICE LINES: 2 SERVICE LINES WITH 8" PIPE, FITTINGS, AND VALVE; 1 - 2" SAME SIDE; 1 - 1-1/2" SAME SIDE.
2. IT IS ANTICIPATED THERE MAY BE 3 SANITARY SEWER SERVICES WITHIN THE MAPLE AVENUE RIGHT-OF-WAY SHOWN ON THIS SHEET.

WATER MAIN PIPES			
NO.	LENGTH (LFT)	DIA (IN.)	INSTALLATION METHOD
WM-P10	125	16 RJT	OPENCUT
WM-P11	210	16 RJT	H.D.D.
WM-P12	55	16 RJT	OPENCUT
WM-P13	170	16 RJT	H.D.D.
WM-P14	20	8	OPENCUT



ONE OF THE TWO COMMERCIAL DRIVEWAYS AT STA. 137+54 OR STA. 138+40 MUST REMAIN OPEN AT ALL TIMES

RECONNECT EXISTING 8" WATER SERVICE PIPE TO PROPOSED 8" WATER SERVICE PIPE (NON-PRESSURE CONNECTION) WITH WM-V8, WM-F17A, WM-F17B, AND WM-F17C

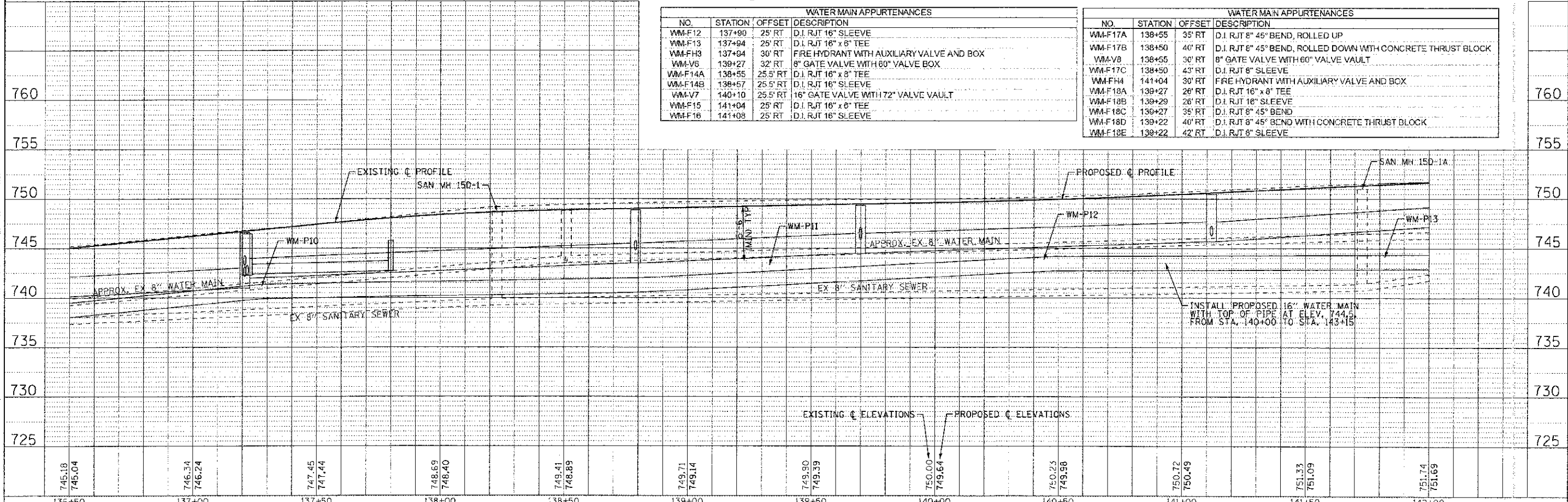
INCLUDE PORTION OF WM-P14 AND WM-V8 IN TESTING OF PROPOSED 16" WATER MAIN

RECONNECT EXISTING 8" WATER SERVICE PIPE TO PROPOSED 8" WATER SERVICE PIPE (NON-PRESSURE CONNECTION) WITH WM-V6, WM-F18C, WM-F18D, AND WM-F18E

MAPLE AVENUE

WATER MAIN APPURTENANCES			
NO.	STATION	OFFSET	DESCRIPTION
WM-F12	137+90	25' RT	D.I. RJT 16" SLEEVE
WM-F13	137+94	25' RT	D.I. RJT 16" x 8" TEE
WM-FH3	137+94	30' RT	FIRE HYDRANT WITH AUXILIARY VALVE AND BOX
WM-V6	139+27	32' RT	8" GATE VALVE WITH 60" VALVE BOX
WM-F14A	138+55	25.5' RT	D.I. RJT 16" x 8" TEE
WM-F14B	138+57	25.5' RT	D.I. RJT 16" SLEEVE
WM-V7	140+10	25.5' RT	16" GATE VALVE WITH 72" VALVE VAULT
WM-F15	141+04	25' RT	D.I. RJT 16" x 8" TEE
WM-F16	141+08	25' RT	D.I. RJT 16" SLEEVE

WATER MAIN APPURTENANCES			
NO.	STATION	OFFSET	DESCRIPTION
WM-F17A	138+55	35' RT	D.I. RJT 8" 45° BEND, ROLLED UP
WM-F17B	138+50	40' RT	D.I. RJT 8" 45° BEND, ROLLED DOWN WITH CONCRETE THRUST BLOCK
WM-V8	138+55	30' RT	8" GATE VALVE WITH 60" VALVE VAULT
WM-F17C	138+50	43' RT	D.I. RJT 8" SLEEVE
WM-FH4	141+04	30' RT	FIRE HYDRANT WITH AUXILIARY VALVE AND BOX
WM-F18A	139+27	26' RT	D.I. RJT 16" x 8" TEE
WM-F18B	139+29	26' RT	D.I. RJT 16" SLEEVE
WM-F18C	139+27	35' RT	D.I. RJT 8" 45° BEND
WM-F18D	139+22	40' RT	D.I. RJT 8" 45° BEND WITH CONCRETE THRUST BLOCK
WM-F18E	139+22	42' RT	D.I. RJT 8" SLEEVE



	DESIGNED - SMV	REVISED - PER IDOT 10/19/12	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WATER MAIN AND SANITARY SEWER MAPLE AVENUE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - UKB	REVISED -				40CE	95-00049-00-PV	KANE	138	63
	CHECKED - RWL	REVISED -				CONTRACT NO. 63745				
	DATE - 06/20/12	FILE - 110994-WM-PP6.SHT				FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT W-8003 (095)				

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 2000 S. WOODMAN AVENUE, SUITE 100, CHICAGO, IL 60606
 TEL: 773.344.1000 FAX: 773.344.1001

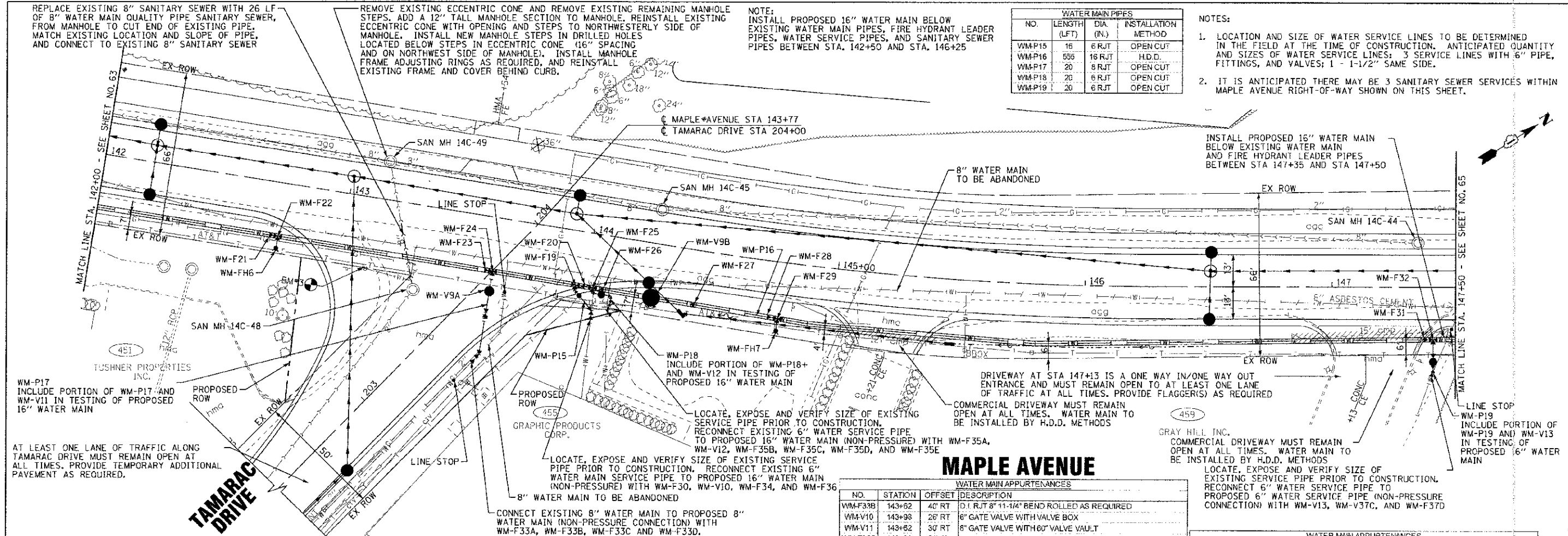
REPLACE EXISTING 8" SANITARY SEWER WITH 26 LF OF 8" WATER MAIN QUALITY PIPE SANITARY SEWER, FROM MANHOLE TO CUT END OF EXISTING PIPE, MATCH EXISTING LOCATION AND SLOPE OF PIPE, AND CONNECT TO EXISTING 8" SANITARY SEWER

REMOVE EXISTING ECCENTRIC CONE AND REMOVE EXISTING REMAINING MANHOLE STEPS, ADD A 12" TALL MANHOLE SECTION TO MANHOLE, REINSTALL EXISTING ECCENTRIC CONE WITH OPENING AND STEPS TO NORTHWESTERLY SIDE OF MANHOLE. INSTALL NEW MANHOLE STEPS IN DRILLED HOLES LOCATED BELOW STEPS IN ECCENTRIC CONE (16" SPACING AND ON NORTHWEST SIDE OF MANHOLE). INSTALL MANHOLE FRAME ADJUSTING RINGS AS REQUIRED, AND REINSTALL EXISTING FRAME AND COVER BEHIND CURB.

NOTE: INSTALL PROPOSED 16" WATER MAIN BELOW EXISTING WATER MAIN PIPES, FIRE HYDRANT LEADER PIPES, WATER SERVICE PIPES, AND SANITARY SEWER PIPES BETWEEN STA. 142+50 AND STA. 146+25

WATER MAIN PIPES			
NO.	LENGTH (LFT)	DIA (IN.)	INSTALLATION METHOD
WM-P15	16	6 RJT	OPEN CUT
WM-P16	556	16 RJT	H.D.D.
WM-P17	20	8 RJT	OPEN CUT
WM-P18	20	6 RJT	OPEN CUT
WM-P19	20	6 RJT	OPEN CUT

- NOTES:
1. LOCATION AND SIZE OF WATER SERVICE LINES TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION. ANTICIPATED QUANTITY AND SIZES OF WATER SERVICE LINES: 3 SERVICE LINES WITH 6" PIPE, FITTINGS, AND VALVES; 1 - 1-1/2" SAME SIDE.
 2. IT IS ANTICIPATED THERE MAY BE 3 SANITARY SEWER SERVICES WITHIN MAPLE AVENUE RIGHT-OF-WAY SHOWN ON THIS SHEET.

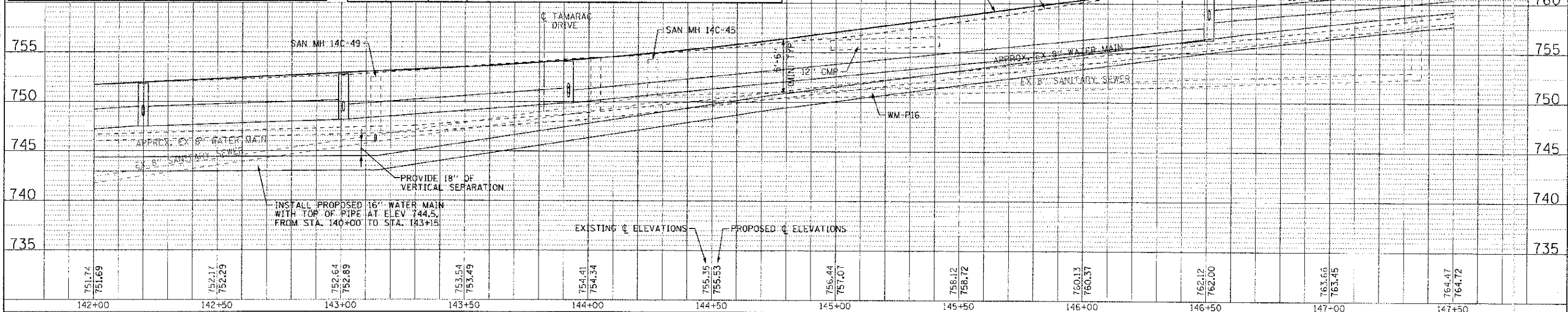


WATER MAIN APPURTENANCES			
NO.	STATION	OFFSET	DESCRIPTION
WM-F19	143+96	22' RT	D.I. RJT 16" X 6" TEE
WM-F20	143+98	22' RT	D.I. RJT 16" SLEEVE
WM-FH6			NOT USED
WM-F21	142+71	21.5' RT	D.I. RJT 16" SLEEVE
WM-F22	142+74	21.5' RT	D.I. RJT 16" X 6" TEE
WM-FH6	142+90	26.5' RT	FIRE HYDRANT WITH AUXILIARY VALVE AND BOX
WM-F23	143+59	21.5' RT	D.I. RJT 16" SLEEVE
WM-F24	143+82	21.5' RT	D.I. RJT 16" X 8" TEE
WM-F25	144+03	21.5' RT	D.I. RJT 16" X 8" TEE
WM-F26	144+07	21.5' RT	D.I. RJT 16" SLEEVE
WM-V9A	143+62	30' RT	8" GATE VALVE WITH 60" VALVE VAULT

WATER MAIN APPURTENANCES			
NO.	STATION	OFFSET	DESCRIPTION
WM-V9B	144+27	22' RT	16" GATE VALVE WITH 72" VALVE VAULT
WM-F27	144+44	22' RT	D.I. RJT 16" SLEEVE
WM-F28	144+75	23' RT	D.I. RJT 16" SLEEVE
WM-F29	144+78	23' RT	D.I. RJT 16" X 6" TEE
WM-FH7	144+78	28' RT	FIRE HYDRANT WITH AUXILIARY VALVE AND BOX
WM-F30	143+96	22.5' RT	D.I. RJT 6" 45° BEND
WM-F31	147+38	21' RT	D.I. RJT 16" SLEEVE
WM-F32	147+41	21' RT	D.I. RJT 16" X 6" TEE
WM-F33A	143+62	39' RT	D.I. RJT 8" 22-1/2° BEND ROLLED AS REQUIRED WITH CONCRETE THRUST BLOCK

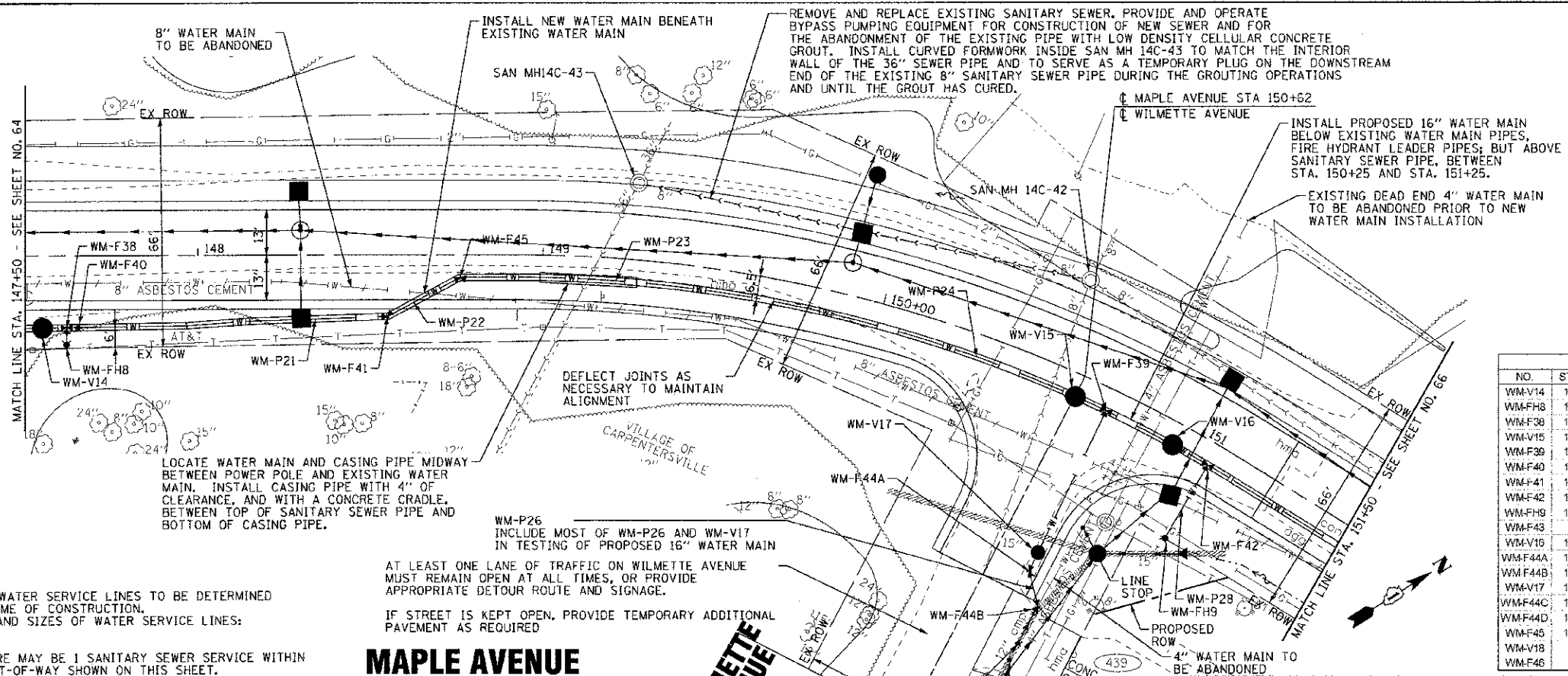
WATER MAIN APPURTENANCES			
NO.	STATION	OFFSET	DESCRIPTION
WM-F33B	143+62	40' RT	D.I. RJT 8" 11-1/4° BEND ROLLED AS REQUIRED
WM-V10	143+98	26' RT	6" GATE VALVE WITH VALVE BOX
WM-V11	143+62	30' RT	6" GATE VALVE WITH 60" VALVE VAULT
WM-F33C	143+62	56' RT	D.I. RJT 8" 45° BEND
WM-F33D	143+60.5	58' RT	D.I. RJT 8" SLEEVE
WM-F34	144+04	31' RT	D.I. RJT 6" 45° BEND WITH CONCRETE THRUST BLOCK
WM-F35A	144+03	24' RT	D.I. RJT 8" 90° BEND
WM-V12	144+07	24' RT	8" GATE VALVE WITH VALVE BOX
WM-F35B	144+11	24' RT	D.I. RJT 8" 90° BEND WITH CONCRETE THRUST BLOCK
WM-F35C	144+11	27' RT	D.I. RJT 8" 11-1/4° BEND WITH CONCRETE THRUST BLOCK
WM-F35D	144+11	28.5' RT	D.I. RJT 8" X 6" REDUCER
WM-F35E	144+11.5	30' RT	D.I. RJT 6" SLEEVE

WATER MAIN APPURTENANCES			
NO.	STATION	OFFSET	DESCRIPTION
WM-F36	144+04	33' RT	D.I. RJT 6" SLEEVE
WM-F37A			NOT USED
WM-F37B			NOT USED
WM-V13	147+41	30' RT	6" GATE VALVE WITH VALVE BOX
WM-F37C	147+41	32' RT	D.I. RJT 8" 22-1/2° BEND WITH CONCRETE THRUST BLOCK
WM-F37D	147+40	34' RT	D.I. RJT 6" SLEEVE



DESIGNED - SMV	REVISED - PER IDCT 10/19/12	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WATER MAIN AND SANITARY SEWER MAPLE AVENUE		F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN - UKB	REVISED -		4006	95-00049-00-PV	KANE	138	64		
CHECKED - RWL	REVISED -		SCALE: H: 1"=20' V: 1"=5'		STA. 142+00 TO STA. 147+50		CONTRACT NO. 63745		
DATE - 06/20/12	FILE - I10994-WM-PP7.sht		FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT M-8003-10951				

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WATER MAIN PIPES			
NO.	LENGTH (L+J)	DIA (IN.)	INSTALLATION METHOD
WM-P20	NOT USED		
WM-P21	90	16 RJT	H.D.D.
WM-P22	65	16 RJT	OPEN CUT
WM-P23	28	16 RJT	OPEN CUT
WM-P24	220	16 RJT	OPEN CUT
WM-P25	NOT USED		
WM-P26	75	8 RJT	OPEN CUT
WM-P27	NOT USED		
WM-P28	20	6 RJT	OPEN CUT

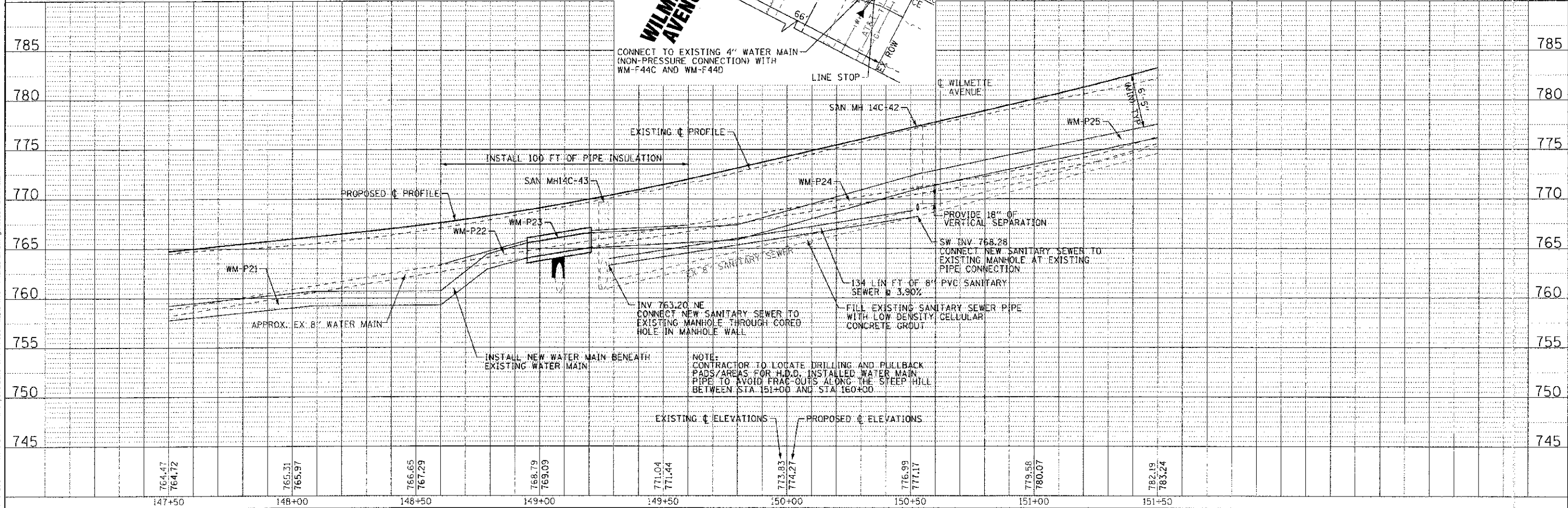
** WATER MAIN INSIDE 30" CASING PIPE

WATER MAIN APPURTENANCES			
NO.	STATION	OFFSET	DESCRIPTION
WM-V14	147+85	20.5' RT	16" GATE VALVE WITH 72" VALVE VAULT
WM-F38	147+62	26' RT	FIRE HYDRANT WITH AUXILIARY VALVE AND BOX
WM-F38	147+62	21' RT	D.I. RJT 16" x 6" TEE
WM-V15	150+62	6.5' RT	16" GATE VALVE WITH 72" VALVE VAULT
WM-F39	150+72	6.5' RT	D.I. RJT 16" x 8" TEE
WM-F40	147+64	21' RT	D.I. RJT 16" SLEEVE
WM-F41	148+56	18' RT	D.I. RJT 16" 45° BEND ROLLED UP
WM-F42	151+06	6.5' RT	D.I. RJT 16" x 6" TEE
WM-F39	151+06	31' RT	FIRE HYDRANT WITH AUXILIARY VALVE AND BOX
WM-F43			NOT USED
WM-V16	150+94	8.5' RT	16" GATE VALVE WITH 72" VALVE VAULT
WM-F44A	150+72	58' RT	D.I. RJT 8" 45° BEND
WM-F44B	150+80	66' RT	D.I. RJT 8" 45° BEND WITH CONCRETE THRUS-BLOCK
WM-V17	150+72	32' RT	8" GATE VALVE WITH 60" VALVE VAULT
WM-F44C	150+80	73' RT	D.I. RJT 8" x 4" REDUCER
WM-F44D	150+80	75' RT	D.I. RJT 4" SLEEVE
WM-F45	148+76	6.5'	D.I. RJT 16" 45° BEND ROLLED DOWN
WM-V18			NOT USED
WM-F46			NOT USED

- NOTES:
- LOCATION AND SIZE OF WATER SERVICE LINES TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION. ANTICIPATED QUANTITY AND SIZES OF WATER SERVICE LINES: 1" - 1" SAME SIDE.
 - IT IS ANTICIPATED THERE MAY BE 1 SANITARY SEWER SERVICE WITHIN THE MAPLE AVENUE RIGHT-OF-WAY SHOWN ON THIS SHEET.

MAPLE AVENUE

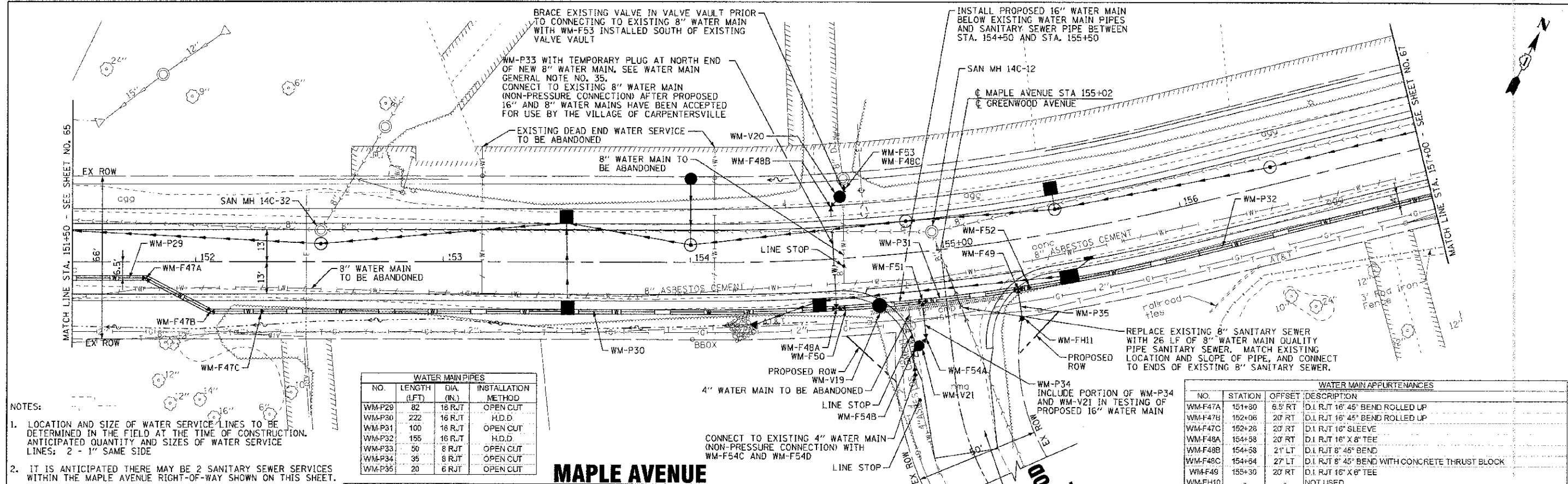
WILMETTE AVENUE



	DESIGNED - SMV DRAWN - UKB CHECKED - RWL DATE - 06/20/12	REVISED - PER IDOT 10/19/12 REVISED REVISED FILE - 110594-WM-PP8.S1T	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WATER MAIN AND SANITARY SEWER MAPLE AVENUE	F.A. RTE. 4006 SECTION 95-00049-00-PV COUNTY KANE TOTAL SHEET NO. 138 SHEETS 65 CONTRACT NO. 63745
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SCALE: H: 1"=20' V: 1"=5'
 STA. 147+50 TO STA. 151+50
 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8001 (095)

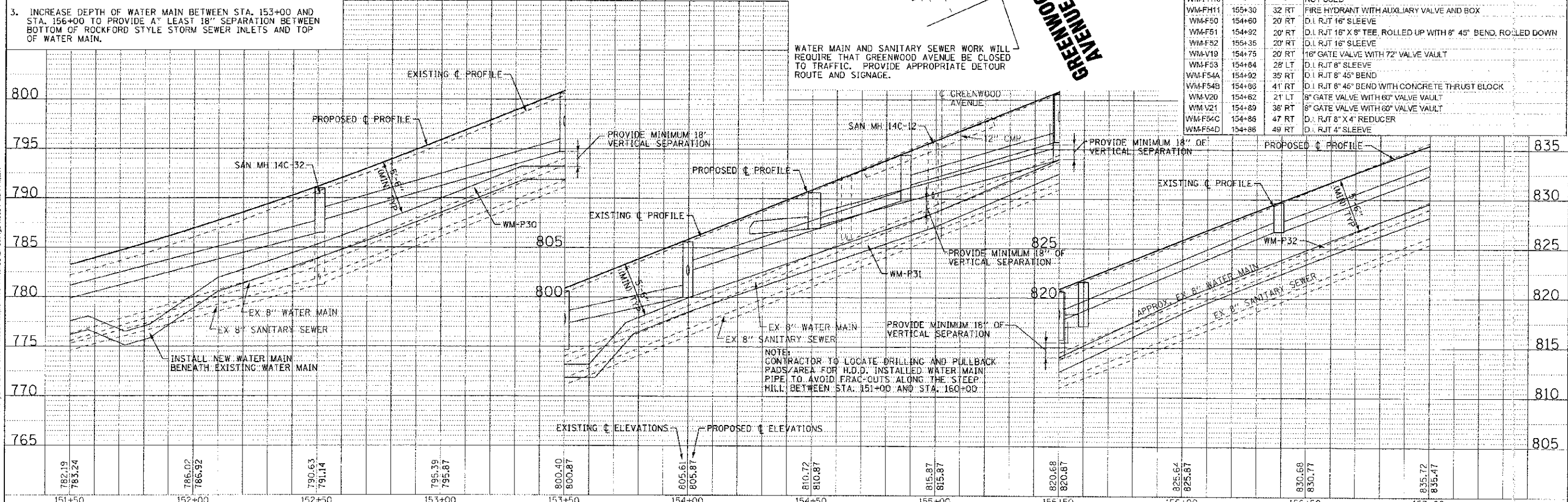
CONTRACT NO. 63745
 STATE OF ILLINOIS - PROFESSIONAL LICENSE #18473
 LICENSE NO. 184-00227 - EXPIRES 4/30/2013
 02/20/2012



- NOTES:
1. LOCATION AND SIZE OF WATER SERVICE LINES TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION. ANTICIPATED QUANTITY AND SIZES OF WATER SERVICE LINES: 2 - 1" SAME SIDE
 2. IT IS ANTICIPATED THERE MAY BE 2 SANITARY SEWER SERVICES WITHIN THE MAPLE AVENUE RIGHT-OF-WAY SHOWN ON THIS SHEET.
 3. INCREASE DEPTH OF WATER MAIN BETWEEN STA. 153+00 AND STA. 156+00 TO PROVIDE AT LEAST 18" SEPARATION BETWEEN BOTTOM OF ROCKFORD STYLE STORM SEWER INLETS AND TOP OF WATER MAIN.

WATER MAIN PIPES			
NO.	LENGTH (LFT)	DIA. (IN.)	INSTALLATION METHOD
WM-P29	82	16 RJT	OPEN CUT
WM-P30	222	16 RJT	H.D.D.
WM-P31	100	16 RJT	OPEN CUT
WM-P32	155	16 RJT	H.D.D.
WM-P33	56	8 RJT	OPEN CUT
WM-P34	35	8 RJT	OPEN CUT
WM-P35	20	6 RJT	OPEN CUT

WATER MAIN APPURTENANCES			
NO.	STATION	OFFSET	DESCRIPTION
WM-F47A	151+80	6.5' RT	D.I. RJT 16" 45° BEND ROLLED UP
WM-F47B	152+06	20' RT	D.I. RJT 16" 45° BEND ROLLED UP
WM-F47C	152+28	20' RT	D.I. RJT 16" SLEEVE
WM-F48A	154+58	20' RT	D.I. RJT 16" X 8" TEE
WM-F48B	154+58	21' LT	D.I. RJT 8" 45° BEND
WM-F48C	154+64	27' LT	D.I. RJT 8" 45° BEND WITH CONCRETE THRUST BLOCK
WM-F49	155+30	20' RT	D.I. RJT 16" X 6" TEE
WM-FH10			NOT USED
WM-FH11	155+30	32' RT	FIRE HYDRANT WITH AUXILIARY VALVE AND BOX
WM-F50	154+60	20' RT	D.I. RJT 16" SLEEVE
WM-F51	154+92	20' RT	D.I. RJT 16" X 8" TEE, ROLLED UP WITH 8" 45° BEND, ROLLED DOWN
WM-F52	155+35	20' RT	D.I. RJT 16" SLEEVE
WM-V19	154+75	20' RT	16" GATE VALVE WITH 72" VALVE VAULT
WM-F53	154+84	28' LT	D.I. RJT 8" SLEEVE
WM-F54A	154+92	35' RT	D.I. RJT 8" 45° BEND
WM-F54B	154+95	41' RT	D.I. RJT 8" 45° BEND WITH CONCRETE THRUST BLOCK
WM-V20	154+62	21' LT	8" GATE VALVE WITH 60" VALVE VAULT
WM-V21	154+89	38' RT	8" GATE VALVE WITH 60" VALVE VAULT
WM-F54C	154+86	47' RT	D.I. RJT 8" X 4" REDUCER
WM-F54D	154+86	49' RT	D.I. RJT 4" SLEEVE



MAPLE AVENUE

GREENWOOD AVENUE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

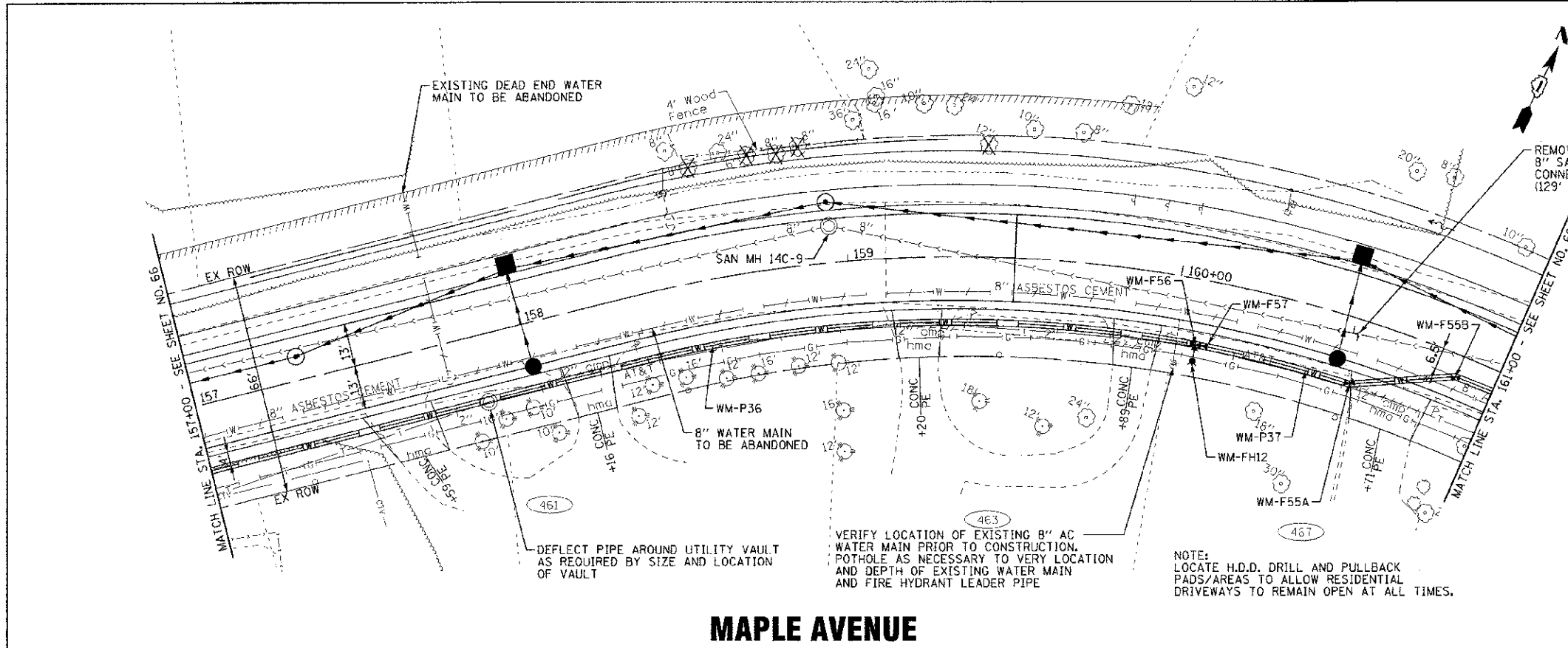
WATER MAIN AND SANITARY SEWER
MAPLE AVENUE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4006	93-00049-00-PV	KANE	138	66
CONTRACT NO. 63745				

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 1100 Central Expressway, Suite 100, Naperville, IL 60563-1000
 630.330.1200

DESIGNED	SMV	REVISED	- PER IDOT 10/19/12
DRAWN	UKB	REVISED	
CHECKED	RWL	REVISED	
DATE	06/20/12	FILE	- 10994-WM-PP5.sh1

SCALE: H: 1"=20' V: 1"=5'
STA. 151+50 TO STA. 157+00

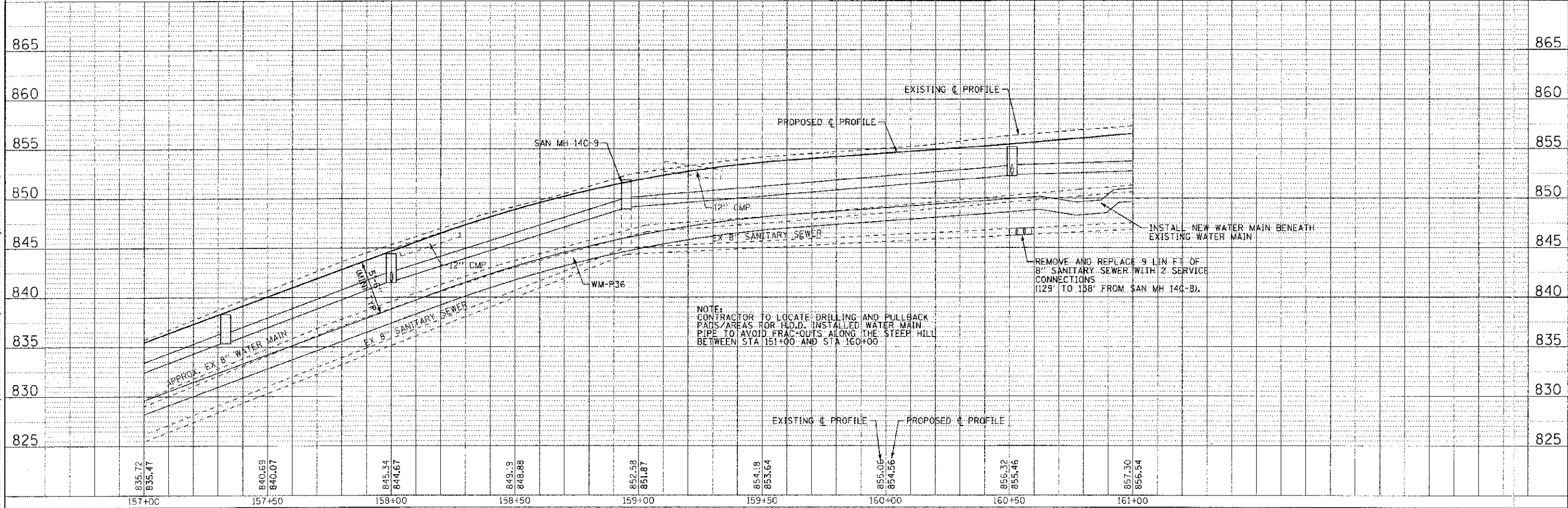


- NOTES:
1. LOCATION AND SIZE OF WATER SERVICE LINES TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION. ANTICIPATED QUANTITY AND SIZES OF WATER SERVICE LINES: 4 - 1" SAME SIDE.
 2. IT IS ANTICIPATED THERE MAY BE 4 SANITARY SEWER SERVICES WITHIN THE MAPLE AVENUE RIGHT-OF-WAY SHOWN ON THIS SHEET.

WATER MAIN PIPES			
NO.	LENGTH (LFT)	DIA. (IN.)	INSTALLATION METHOD
WM-P36	315	16 RJT	H.D.D.
WM-P37	87	16 RJT	OPEN CUT

WATER MAIN APPURTENANCES			
NO.	STATION	OFFSET	DESCRIPTION
WM-F55A	160+88	19.5' RT	D.I. RJT 16" 45° BEND ROLLED UP
WM-F56	160+08	19.5' RT	D.I. RJT 16" X 6" TEE
WM-FH12	160+08	28' RT	FIRE HYDRANT WITH AUXILIARY VALVE AND BOX
WM-F57	160+11	19.5' RT	D.I. RJT 16" SLEEVE
WM-F55B	160+88	6.5' RT	D.I. RJT 16" 45° BEND ROLLED UP

MAPLE AVENUE



DESIGNED - SMV
 DRAWN - UKB
 CHECKED - RWL
 DATE - 06/20/12

REVISED - PER IDOT 10/19/12
 REVISED -
 REVISED -
 FILE - 110994-WM-PP10.sht

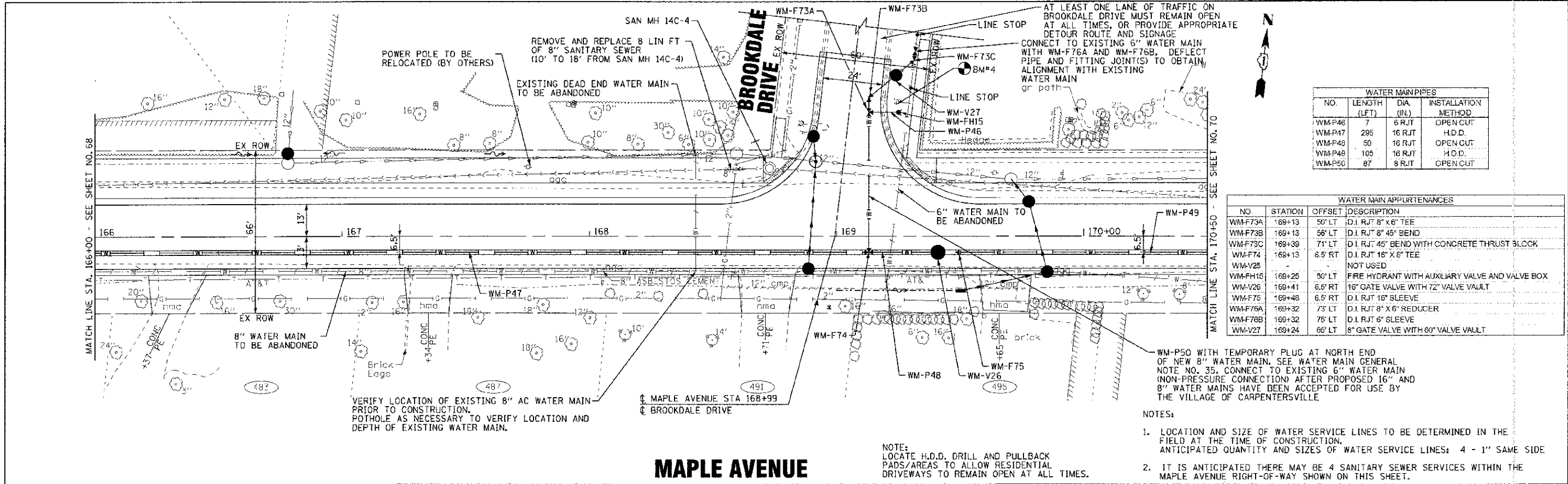
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

WATER MAIN AND SANITARY SEWER
 MAPLE AVENUE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
4006	95-00049-00-PV	KANE	138
			67
CONTRACT NO. 63745			

SCALE: H: 1"=20' V: 1"=5'
 STA. 157+00 TO STA. 161+00

CONTRACT NO. 95-00049-PV
 STATE OF ILLINOIS
 LICENSE NO. 06-001071
 2/20/08
 306585 PW
 ...
 110994-WM-PP10.sht



WATER MAIN PIPES			
NO.	LENGTH (LF)	DIA (IN)	INSTALLATION METHOD
WM-P46	7	8 RJT	OPEN CUT
WM-P47	295	16 RJT	H.D.D.
WM-P48	50	16 RJT	OPEN CUT
WM-P49	105	16 RJT	H.D.D.
WM-P50	87	8 RJT	OPEN CUT

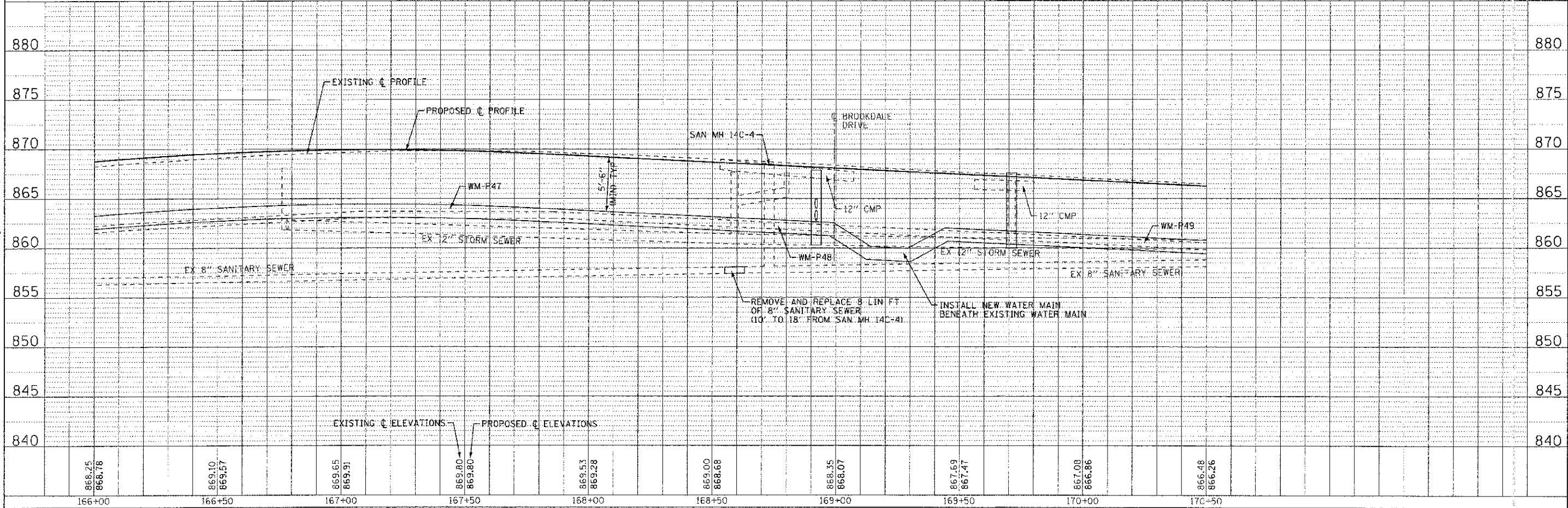
WATER MAIN APPURTENANCES			
NO.	STATION	OFFSET	DESCRIPTION
WM-F73A	169+13	50' LT	D.I. RJT 8" x 6" TEE
WM-F73B	169+13	58' LT	D.I. RJT 8" 45° BEND
WM-F73C	169+39	71' LT	D.I. RJT 45° BEND WITH CONCRETE THRUST BLOCK
WM-F74	169+13	6.5' RT	D.I. RJT 16" X 8" TEE
WM-V25			NOT USED
WM-FH15	169+25	50' LT	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX
WM-V26	169+41	6.5' RT	16" GATE VALVE WITH 72" VALVE VAULT
WM-F75	169+48	6.5' RT	D.I. RJT 16" SLEEVE
WM-F76A	169+32	73' LT	D.I. RJT 8" X 6" REDUCER
WM-F76B	169+32	78' LT	D.I. RJT 6" SLEEVE
WM-V27	169+24	66' LT	8" GATE VALVE WITH 60" VALVE VAULT

WM-P50 WITH TEMPORARY PLUG AT NORTH END OF NEW 8" WATER MAIN. SEE WATER MAIN GENERAL NOTE NO. 35. CONNECT TO EXISTING 6" WATER MAIN (NON-PRESSURE CONNECTION) AFTER PROPOSED 16" AND 8" WATER MAINS HAVE BEEN ACCEPTED FOR USE BY THE VILLAGE OF CARPENTERSVILLE.

NOTES:

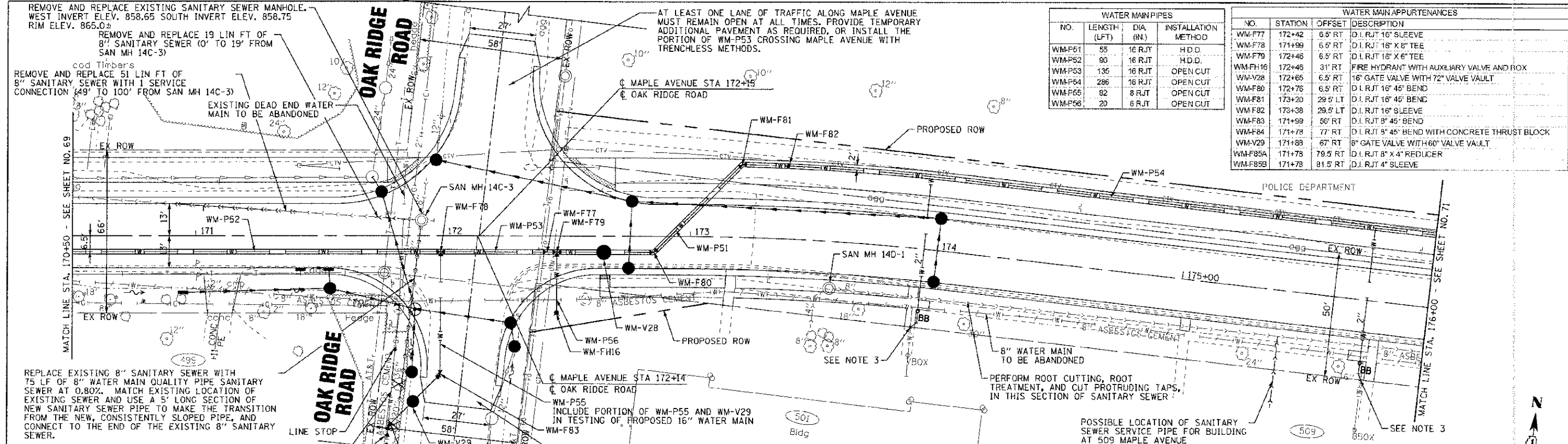
- LOCATION AND SIZE OF WATER SERVICE LINES TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION. ANTICIPATED QUANTITY AND SIZES OF WATER SERVICE LINES: 4 - 1" SAME SIDE
- IT IS ANTICIPATED THERE MAY BE 4 SANITARY SEWER SERVICES WITHIN THE MAPLE AVENUE RIGHT-OF-WAY SHOWN ON THIS SHEET.

MAPLE AVENUE



DESIGNED - SMV	REVISED - PCR IDOT 10/19/12	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WATER MAIN AND SANITARY SEWER MAPLE AVENUE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
DRAWN - UKB	REVISED -			4006	95-00043-00-PV	KANE	130	69	
CHECKED - RWL	REVISED -			CONTRACT NO. 63745					
DATE - 06/20/17	FILE - 110994-WM-PP12.sht			FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT W-8003-10951					

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WATER MAIN PIPES			
NO.	LENGTH (LFT)	DIA. (IN.)	INSTALLATION METHOD
WM-P51	55	16 RJT	H.D.D.
WM-P52	90	16 RJT	H.D.D.
WM-P53	136	16 RJT	OPEN CUT
WM-P54	286	16 RJT	OPEN CUT
WM-P55	82	8 RJT	OPEN CUT
WM-P56	20	6 RJT	OPEN CUT

WATER MAIN APPURTENANCES			
NO.	STATION	OFFSET	DESCRIPTION
WM-F77	172+42	6.5' RT	D.I. RJT 16" SLEEVE
WM-F78	171+99	6.5' RT	D.I. RJT 16" X 8" TEE
WM-F79	172+46	6.5' RT	D.I. RJT 16" X 6" TEE
WM-FH16	172+46	31' RT	FIRE HYDRANT WITH AUXILIARY VALVE AND BOX
WM-V28	172+65	6.5' RT	16" GATE VALVE WITH 72" VALVE VAULT
WM-F80	172+76	6.5' RT	D.I. RJT 16" 45° BEND
WM-F81	173+20	29.5' LT	D.I. RJT 16" 45° BEND
WM-F82	173+38	29.5' LT	D.I. RJT 16" SLEEVE
WM-F83	171+99	56' RT	D.I. RJT 8" 45° BEND
WM-F84	171+78	77' RT	D.I. RJT 8" 45° BEND WITH CONCRETE THRUST BLOCK
WM-V29	171+88	67' RT	8" GATE VALVE WITH 60" VALVE VAULT
WM-F85A	171+78	79.5' RT	D.I. RJT 8" X 4" REDUCER
WM-F85B	171+78	81.5' RT	D.I. RJT 4" SLEEVE

REMOVE AND REPLACE EXISTING SANITARY SEWER MANHOLE. WEST INVERT ELEV. 858.65 SOUTH INVERT ELEV. 858.75 RIM ELEV. 865.05

REMOVE AND REPLACE 19 LIN FT OF 8" SANITARY SEWER (0' TO 19' FROM SAN MH 14C-3)

REMOVE AND REPLACE 51 LIN FT OF 8" SANITARY SEWER WITH 1 SERVICE CONNECTION (49' TO 100' FROM SAN MH 14C-3)

EXISTING DEAD END WATER MAIN TO BE ABANDONED

REPLACE EXISTING 8" SANITARY SEWER WITH 75 LF OF 8" WATER MAIN QUALITY PIPE SANITARY SEWER AT 0.80%. MATCH EXISTING LOCATION OF EXISTING SEWER AND USE A 5' LONG SECTION OF NEW SANITARY SEWER PIPE TO MAKE THE TRANSITION FROM THE NEW, CONSISTENTLY SLOPED PIPE, AND CONNECT TO THE END OF THE EXISTING 8" SANITARY SEWER.

CONNECT TO EXISTING 4" WATER MAIN (NON-PRESSURE CONNECTION) WITH WM-F84, WM-F85A, AND WM-F85B AFTER PROPOSED 16" AND 8" WATER MAINS HAVE BEEN ACCEPTED FOR USE BY THE VILLAGE OF CARPENTERSVILLE. DEFLECT PIPE AND FITTING JOINT(S) TO OBTAIN ALIGNMENT WITH EXISTING WATER MAIN.

4" WATER MAIN TO BE ABANDONED

WATER MAIN WORK WILL MOST LIKELY REQUIRE THAT OAK RIDGE ROAD BE CLOSED TO TRAFFIC. PROVIDE APPROPRIATE DETOUR ROUTE AND SIGNAGE.

AT LEAST ONE LANE OF TRAFFIC ALONG MAPLE AVENUE MUST REMAIN OPEN AT ALL TIMES. PROVIDE TEMPORARY ADDITIONAL PAVEMENT AS REQUIRED, OR INSTALL THE PORTION OF WM-P53 CROSSING MAPLE AVENUE WITH TRENCHLESS METHODS.

MAPLE AVENUE STA 172+15

OAK RIDGE ROAD

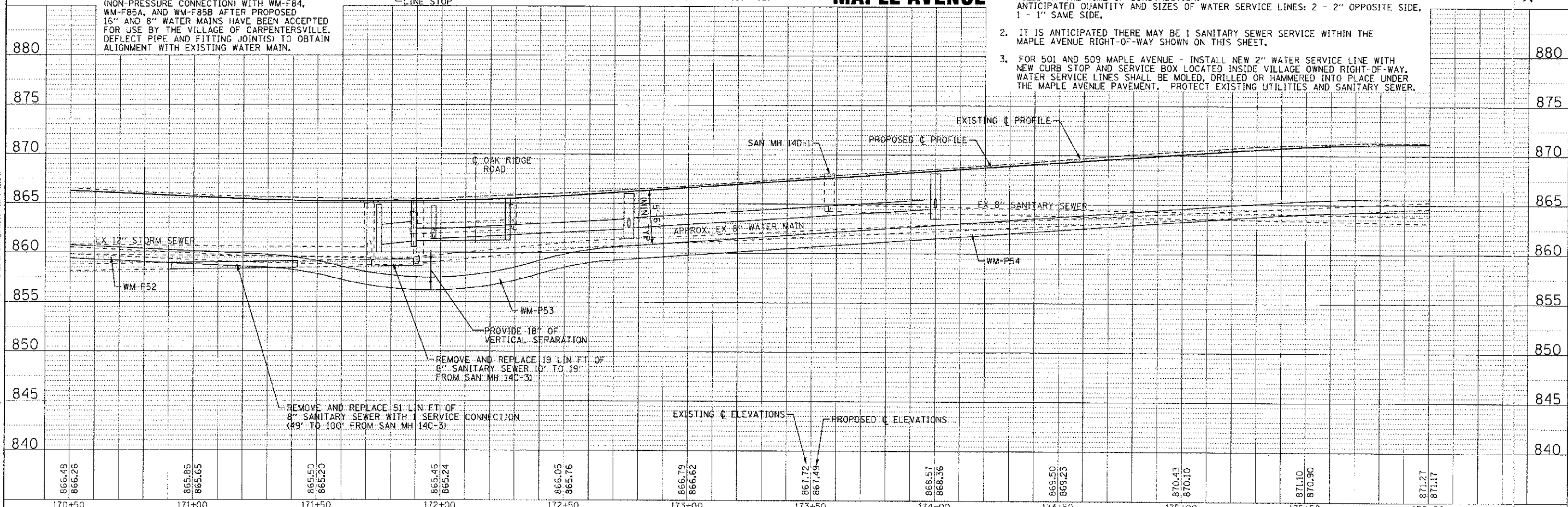
PROPOSED ROW

8" WATER MAIN TO BE ABANDONED

PERFORM ROOT CUTTING, ROOT TREATMENT, AND CUT PROTRUDING TAPS, IN THIS SECTION OF SANITARY SEWER

POSSIBLE LOCATION OF SANITARY SEWER SERVICE PIPE FOR BUILDING AT 509 MAPLE AVENUE

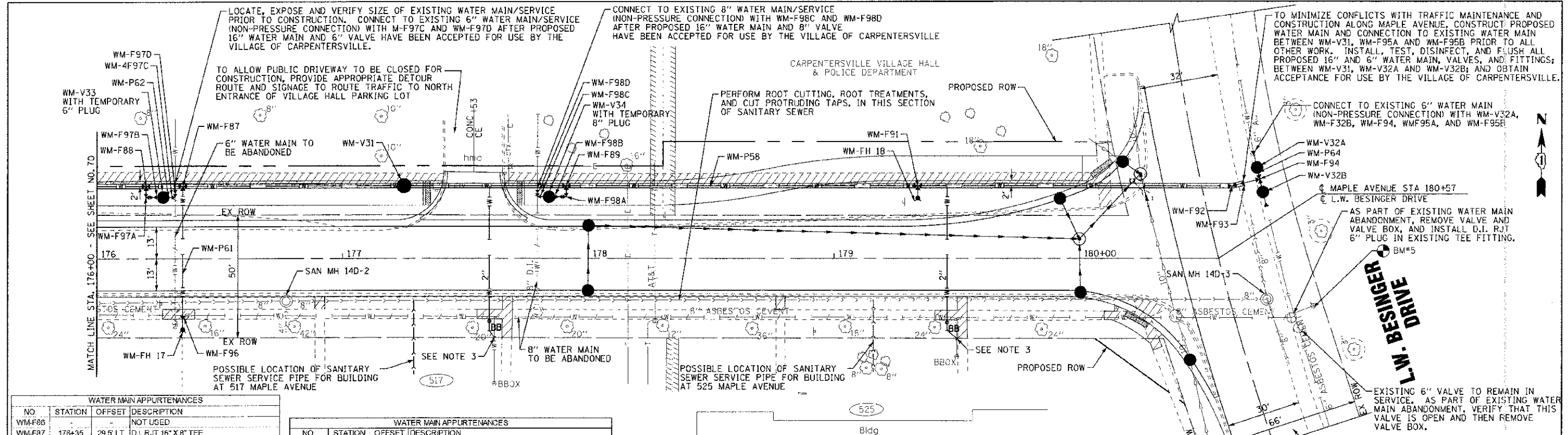
- NOTES:
- LOCATION AND SIZE OF WATER SERVICE LINES TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION. ANTICIPATED QUANTITY AND SIZES OF WATER SERVICE LINES: 2 - 2" OPPOSITE SIDE, 1 - 1" SAME SIDE.
 - IT IS ANTICIPATED THERE MAY BE 1 SANITARY SEWER SERVICE WITHIN THE MAPLE AVENUE RIGHT-OF-WAY SHOWN ON THIS SHEET.
 - FOR 501 AND 509 MAPLE AVENUE - INSTALL NEW 2" WATER SERVICE LINE WITH NEW CURB STOP AND SERVICE BOX LOCATED INSIDE VILLAGE OWNED RIGHT-OF-WAY. WATER SERVICE LINES SHALL BE MOLED, DRILLED OR HAMMERED INTO PLACE UNDER THE MAPLE AVENUE PAVEMENT. PROTECT EXISTING UTILITIES AND SANITARY SEWER.



866.48 866.26	865.86 865.65	865.50 865.20	865.46 865.24	866.05 865.76	866.79 866.62	867.72 867.49	868.57 868.36	869.50 869.23	870.43 870.10	871.10 870.90	871.27 871.17
170+50	171+00	171+50	172+00	172+50	173+00	173+50	174+00	174+50	175+00	175+50	176+00

	DESIGNED - SMV	REVISED - PER IDOT 10/19/12	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WATER MAIN AND SANITARY SEWER MAPLE AVENUE		F.A. RTE. 4006	SECTION 95-00049-00-PV	COUNTY KANE	TOTAL SHEETS 138	SHEET NO. 70	
	DRAWN - UKB	REVISED -		SCALE: H: 1"=20' V: 1"=5'	STA. 170+50	TO STA. 176+00	FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT M-8007 (095)		CONTRACT NO. 63745		
	CHECKED - RWI	REVISED -									
	DATE 06/20/12	FILE - J10994-WM-PP13.sh1									

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 CHICAGO, IL 60642

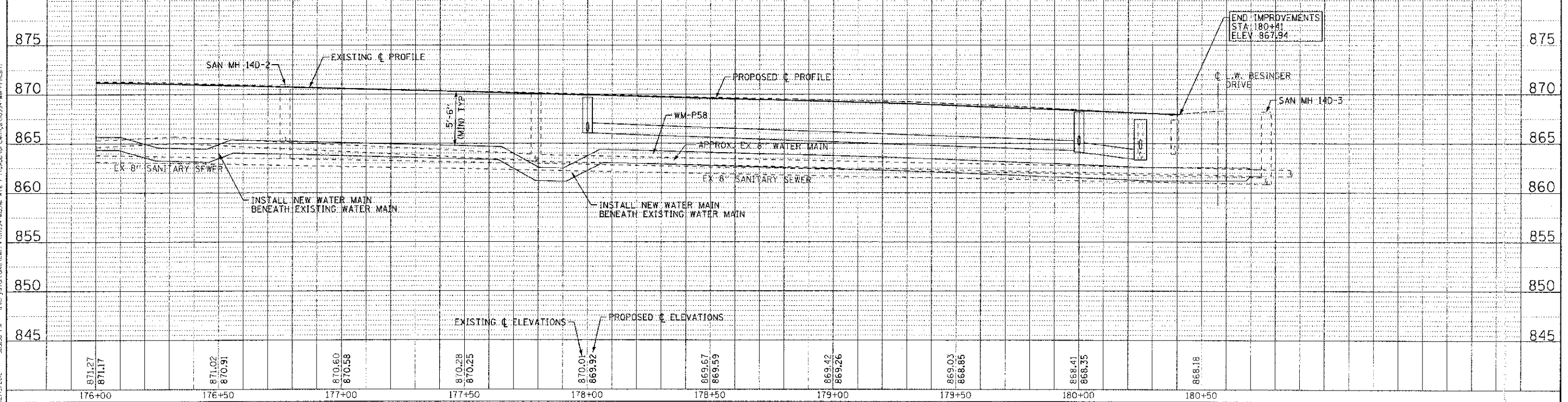


WATER MAIN APPURTENANCES			
NO.	STATION	OFFSET	DESCRIPTION
WM-F96	176+35	24" RT	D.I. RJT 8" X 6" REDUCER
WM-FH17	176+35	29" RT	FIRE HYDRANT WITH AUXILIARY VALVE AND BOX
WM-V33	176+27	25" LT	6" GATE VALVE WITH 60" VALVE VAULT
WM-F97A	176+20	25" LT	D.I. RJT 8" 90° BEND - ROLLED UP
WM-F97B	176+23	25" LT	D.I. RJT 8" 45° BEND - ROLLED DOWN
WM-F97C	176+32	25" LT	D.I. RJT 8" 90° BEND WITH CONCRETE THRUST BLOCK
WM-F97D	176+32	28" LT	D.I. RJT 8" SLEEVE
WM-F98A	177+91	25" LT	D.I. RJT 8" 90° BEND - ROLLED UP
WM-F98B	177+88	25" LT	D.I. RJT 8" 45° BEND - ROLLED DOWN
WM-V34	177+84	25" LT	8" GATE VALVE WITH 60" VALVE VAULT
WM-F98C	177+79	25" LT	D.I. RJT 8" 90° BEND WITH CONCRETE THRUST BLOCK
WM-F98D	177+79	28" LT	D.I. RJT 8" SLEEVE
WM-FH18	179+34	24.5" LT	FIRE HYDRANT WITH AUXILIARY VALVE AND BOX

WATER MAIN PIPES			
NO.	LENGTH (LFT)	DIA (IN.)	INSTALLATION METHOD
WM-P57	NOT USED		
WM-P58	475	16 RJT	OPEN CUT
WM-P59	NOT USED		
WM-P60	NOT USED		
WM-P61	55	8 RJT	H.D.D.
WM-P62	30	8 RJT	OPEN CUT
WM-P63	30	8 RJT	OPEN CUT
WM-P64	15	6 RJT	OPEN CUT

- NOTES:
- LOCATION AND SIZE OF WATER SERVICE LINES TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION. ANTICIPATED QUANTITY AND SIZES OF WATER SERVICE LINES: 2 - 2" OPPOSITE SIDE.
 - IT IS ANTICIPATED THERE MAY BE 1 SANITARY SEWER SERVICE WITHIN THE MAPLE AVENUE RIGHT-OF-WAY SHOWN ON THIS SHEET.
 - FOR 517 AND 525 MAPLE AVENUE - INSTALL NEW 2" WATER SERVICE LINE WITH NEW CURB STOP AND SERVICE BOX LOCATED INSIDE VILLAGE OWNED RIGHT-OF-WAY. WATER SERVICE LINES SHALL BE MOLED, DRILLED OR HAMMERED INTO PLACE UNDER THE MAPLE AVENUE PAVEMENT. PROTECT EXISTING UTILITIES AND SANITARY SEWER.

AT LEAST ONE LANE OF TRAFFIC ALONG L.E. BESINGER DRIVE MUST REMAIN OPEN AT ALL TIMES. PROVIDE TEMPORARY ADDITIONAL PAVEMENT AS REQUIRED.



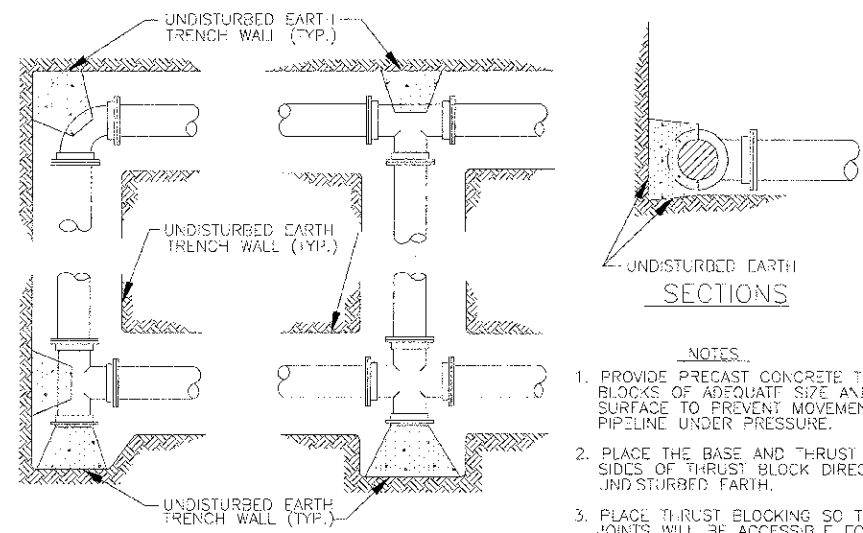
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN AND SANITARY SEWER
MAPLE AVENUE

SCALE: H: 1"=20' V: 1"=5'
S/A. 176+00 TO STA. 180+50

F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4006	95-00049-00-PV	KANE	139	71
CONTRACT NO. 63745				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT W 6003 (095)				

CONTRACT NO. 63745, PROJECT W 6003 (095)
 SCALE: H: 1"=20' V: 1"=5'
 DATE: 06/20/12
 FILE: 110994-WM-PP14.sht
 DRAWN: UKP
 CHECKED: RWL
 DESIGNED: SMV
 PROJECT: W 6003 (095)
 SHEET: 71 OF 139
 SECTION: 95-00049-00-PV
 COUNTY: KANE
 F.A. R.T.E.: 4006

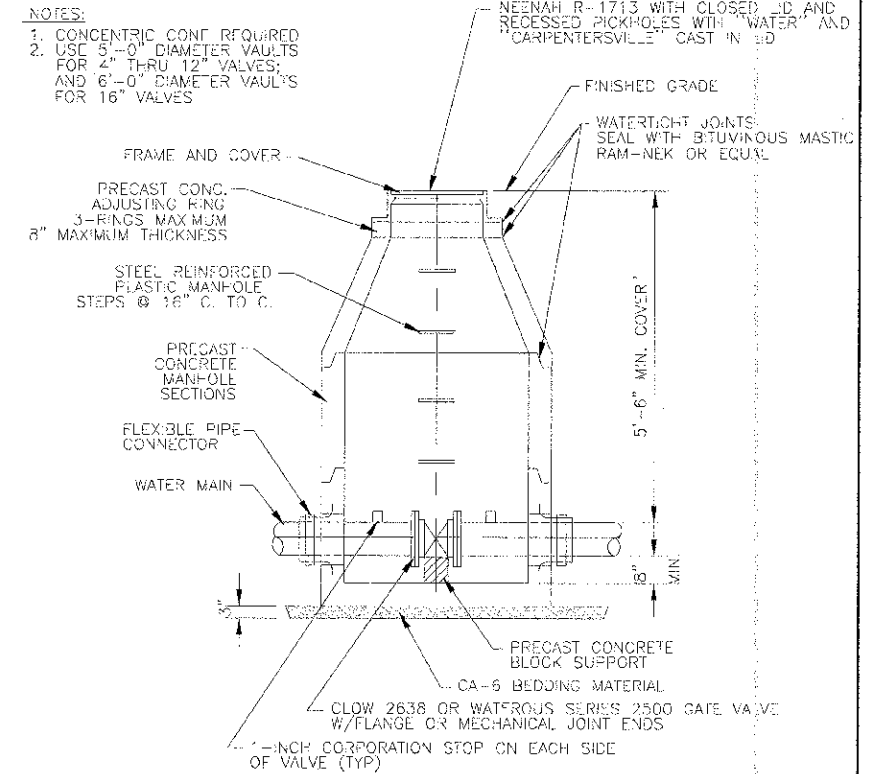


PLANS

TYPICAL THRUST BLOCK INSTALLATIONS

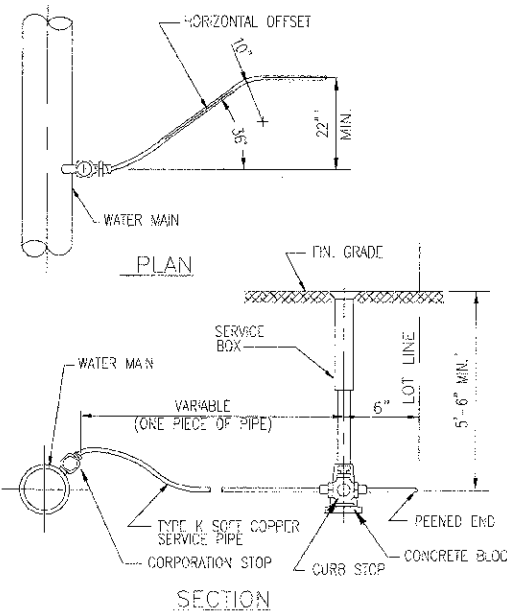
NO SCALE
 TO BE USED WITH MEGA-LUG PIPE RESTRAINT SYSTEM AT ALL CHANGE IN DIRECTION AND BENDS GREATER THAN 1 1/4 DEGREE.

- NOTES:
1. PROVIDE PRECAST CONCRETE THRUST BLOCKS OF ADEQUATE SIZE AND BEARING SURFACE TO PREVENT MOVEMENT OF PIPELINE UNDER PRESSURE.
 2. PLACE THE BASE AND THRUST BEARING SIDES OF THRUST BLOCK DIRECTLY AGAINST UNDISTURBED EARTH.
 3. PLACE THRUST BLOCKING SO THE FITTING JOINTS WILL BE ACCESSIBLE FOR REPAIR.



STANDARD VALVE VAULT DETAIL

NO SCALE

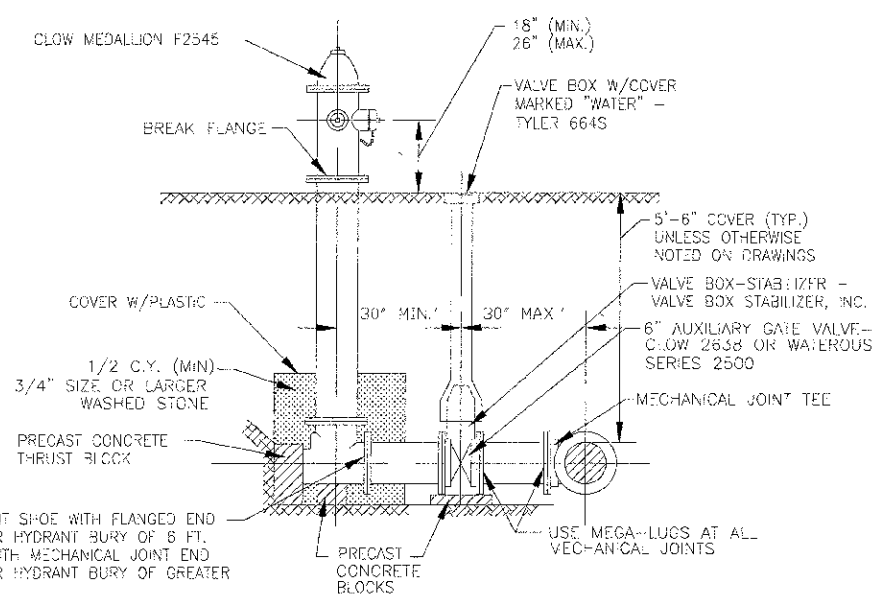


PART DESCRIPTION	SIZE	PRODUCT
CORPORATION STOP	1" - 1 1/4" / 1 1/2" - 2"	A.Y. McDONALD NO. 4701-T A.Y. McDONALD NO. 4750-ST W/SWIVEL NUT
CURB STOP	1" - 2"	A.Y. McDONALD NO. 6104-BT (MINNEAPOLIS PATTERN)
SERVICE BOX	1" - 2"	A.Y. McDONALD (UPPER SECTION 1 1/4" DIA.) (MINNEAPOLIS PATTERN)

* FOR SERVICE CONNECTIONS TO EXISTING CAST IRON AND ASBESTOS CEMENT WATER MAIN, USE SERVICE SADDLE - ROMAC 202N.

WATER SERVICE INSTALLATION

NO SCALE



STANDARD FIRE HYDRANT INSTALLATION

NO SCALE

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 STATE OF ILLINOIS - SPRINGFIELD, ILLINOIS
 235400
 11/15/2012
 11/15/2012



DESIGNED - SMV	REVISED - PER IDOT 10/19/12
DRAWN - UKB	REVISED -
CHECKED - RWL	REVISED -
DATE - 06/20/12	FILE - 110994-WM-Dets.snt

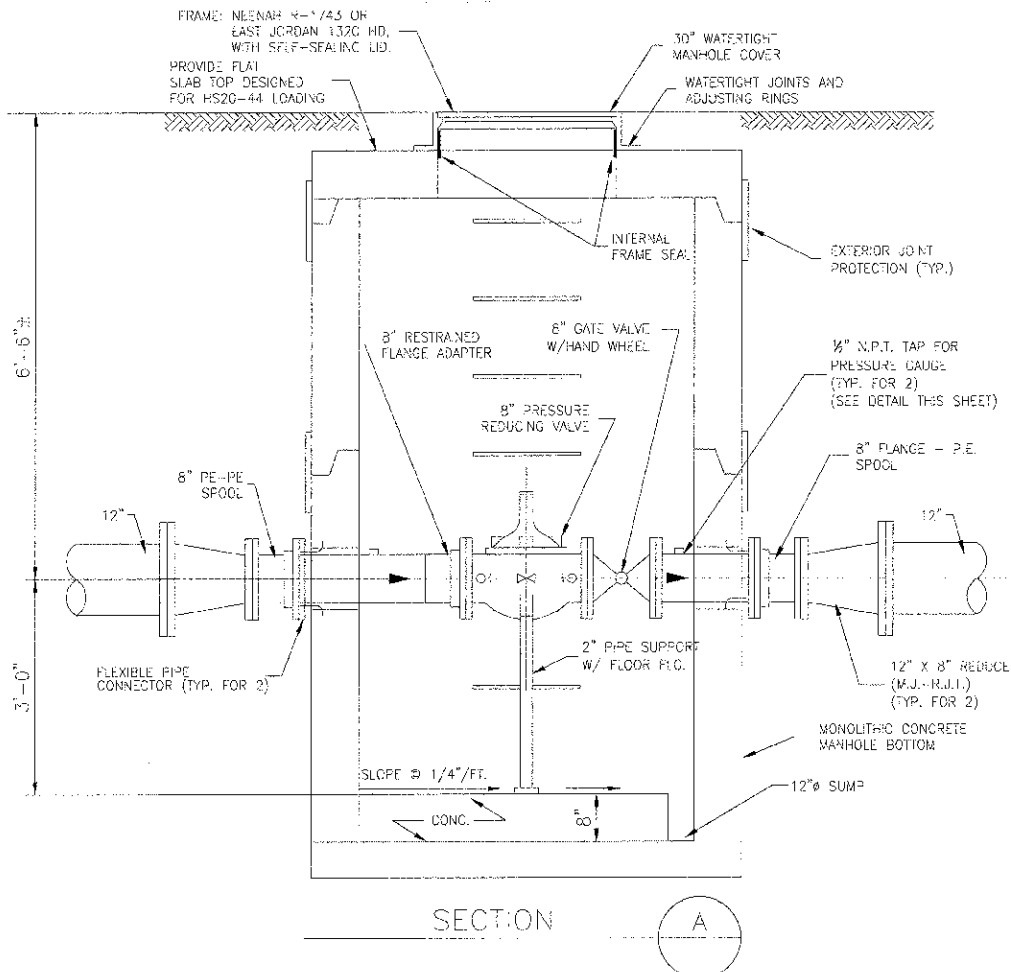
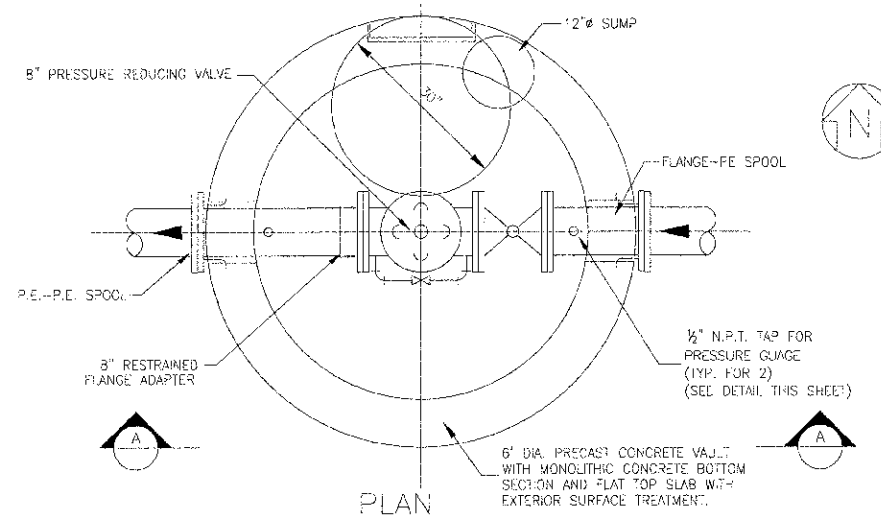
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

WATER MAIN AND SANITARY SEWER
 DETAILS

SCALE: NO SCALE

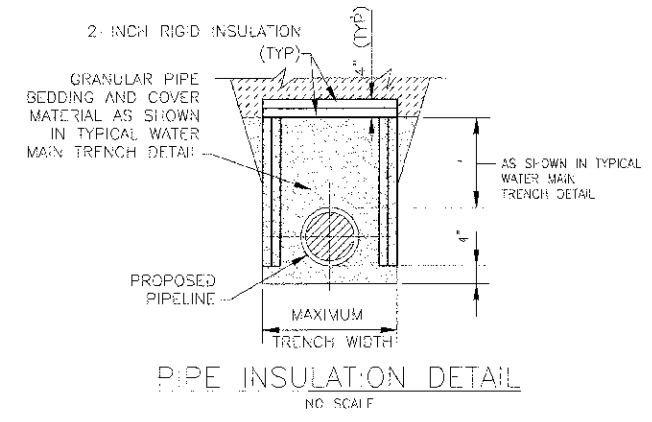
STA. TO STA.

P.A.L. RTE. 4006	SECTION 95-00049-00-PV	COUNTY KANE	TOTAL SHEETS 72
CONTRACT NO. 63745			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003 (095)			

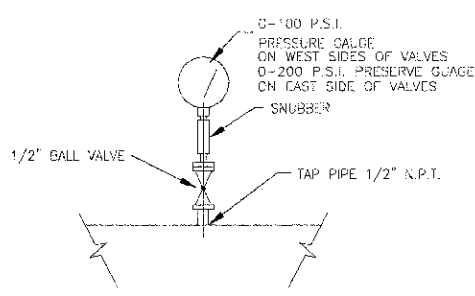


PRESSURE REDUCING VALVE AND VAULT DETAIL
SCALE: 3/4"=1'-0"

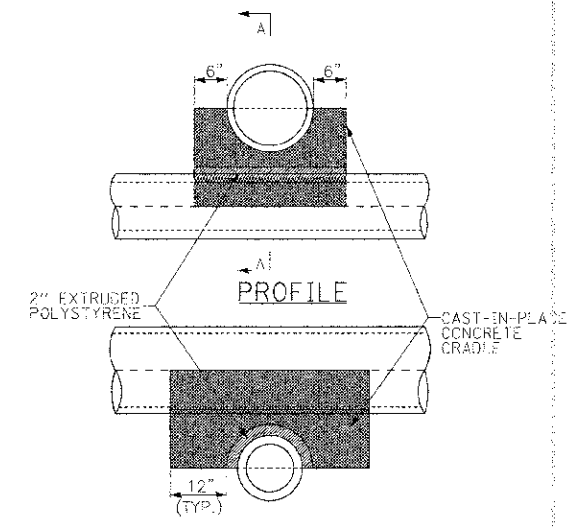
NOTE:
12" X 8" REDUCERS, AND THE 8" PIPING BETWEEN THE REDUCERS, ARE CONSIDERED PART OF THE P.R.V. VAULT AND WILL NOT BE PAID FOR SEPARATELY.



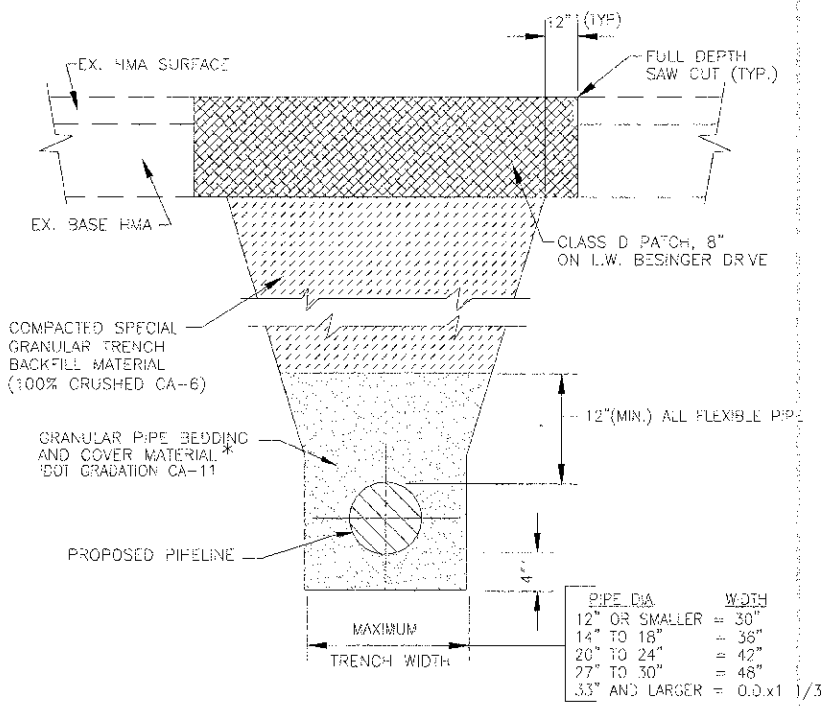
PIPE INSULATION DETAIL
NO SCALE



PRESSURE GAUGE PIPING DETAIL
NO SCALE



SECTION A-A CONCRETE CRADLE FOR PIPE SUPPORT
NO SCALE
* TO BE USED WHEN CLEARANCE BETWEEN PIPES IS 12" OR LESS



TYPICAL WATER MAIN TRENCH DETAIL
NO SCALE

* FOR FLEXIBLE THERMOPLASTIC OR HDPE PIPE COMPLY WITH ASTM 2521, CLASS I OR II.
FOR RIGID PIPE COMPLY WITH ASTM C12, BEDDING CLASS B.

CONTRACT NO. 95-00049-00-PV
 STA. 0+00 TO 0+100
 SECTION 95-00049-00-PV
 COUNTY KANE
 FEDERAL ROAD DIST. NO. 1 ILLINOIS
 PROJECT M-6063 (095)

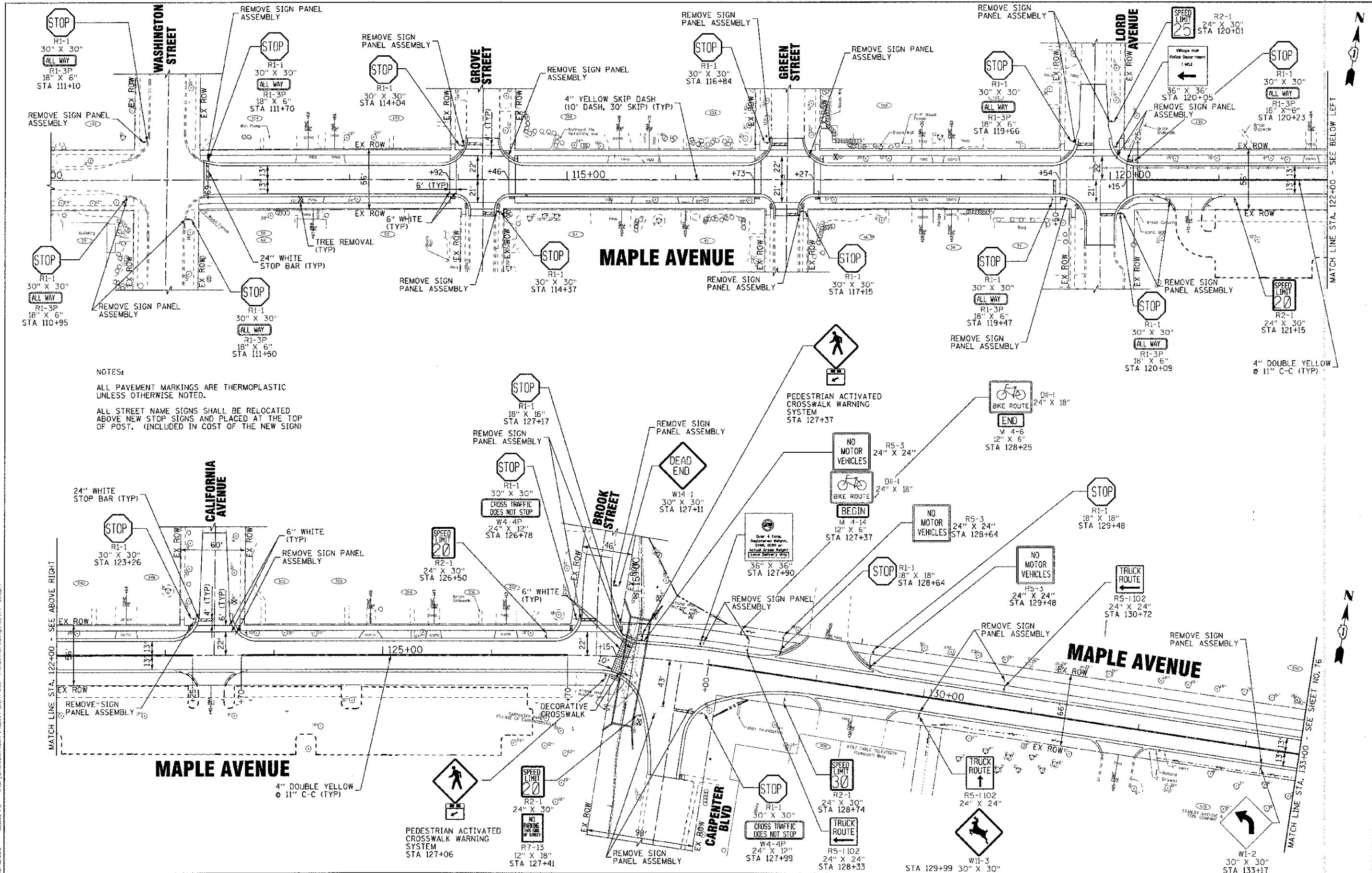


DESIGNED - SMV	REVISED - PER IDOT 10/19/12
DRAWN - UKB	REVISED -
CHECKED - RWL	REVISED -
DATE - 06/20/12	FILE - 110994-WM-Dets.sit

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WATER MAIN AND SANITARY SEWER
DETAILS**

F.A.U. RTE. 4006	SECTION 95-00049-00-PV	COUNTY KANE	TOTAL SHEETS 38	SHEET NO. 73
SCALE: STA. TO STA.			CONTRACT NO. 63745	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-6063 (095)				



NOTES:
 ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.
 ALL STREET NAME SIGNS SHALL BE RELOCATED ABOVE NEW STOP SIGNS AND PLACED AT THE TOP OF POST. (INCLUDED IN COST OF THE NEW SIGN)

MATCH LINE STA. 122+00 - SEE BELOW LEFT

MATCH LINE STA. 133+00 - SEE SHEET NO. 76

C:\P\104\10401\10401.dwg
 DATE: 06/20/12
 DRAWN: LRB
 CHECKED: RWL
 DATE: 06/20/12
 FILE: 110994-P.M.I.sht
 STATE OF ILLINOIS
 PROFESSIONAL DESIGNER
 LICENSE NO. 041-002121 - EXPIRES 7/30/2013
 2259 E. ZION
 AUBURN, ILL. 62501
 TEL: 618/243-8800
 FAX: 618/243-8801
 WWW.WOODMAN-ENGINEERS.COM

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	DATE -	06/20/12	FILE -	110994-P.M.I.sht

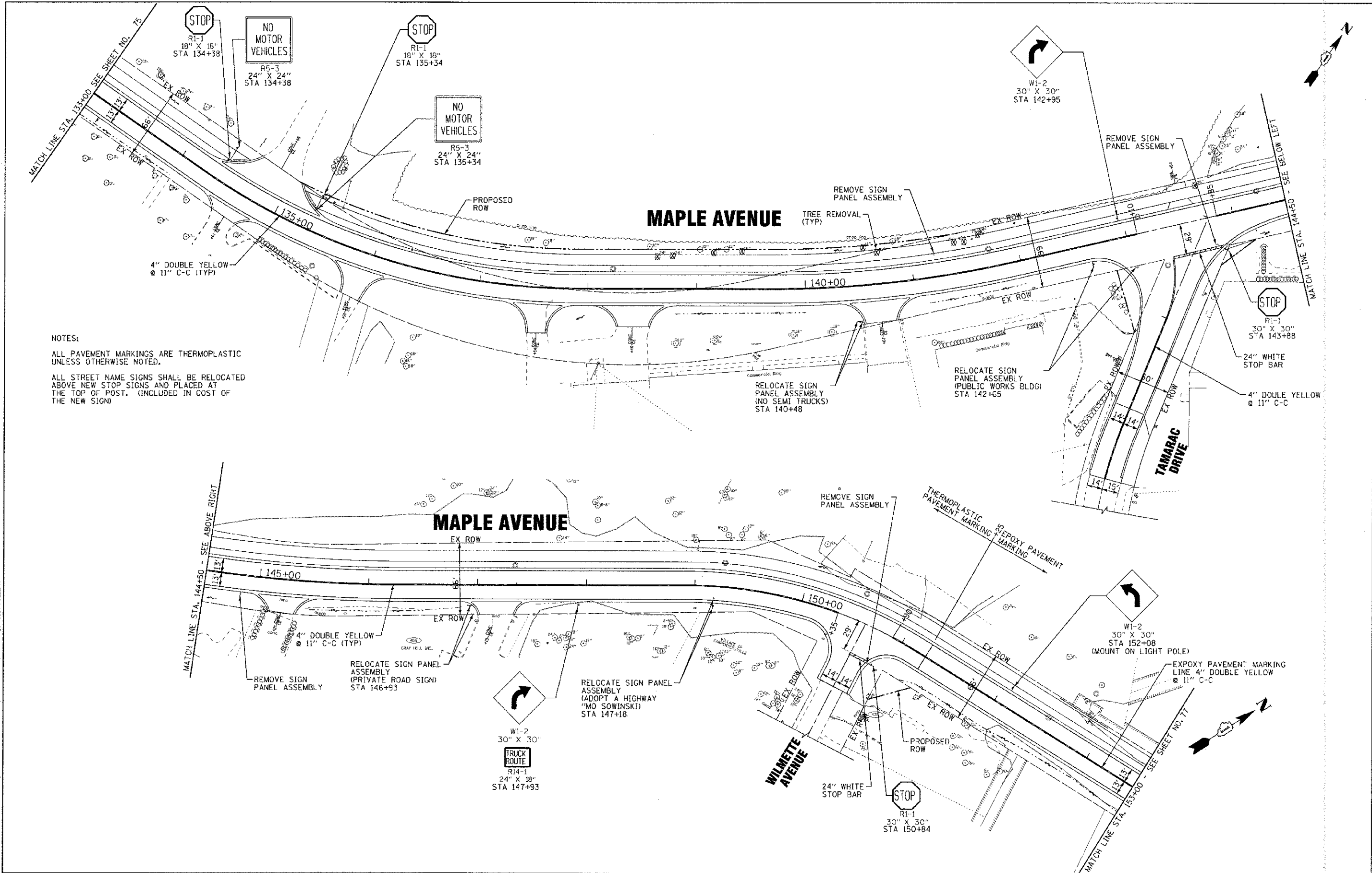
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND
 SIGNAGE PLAN**

SCALE: 1"=40'

STA. 110+50 TO STA. 133+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4006	95-00049-00-PV	KANE	138	75
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT #-8003 (R95)	
		CONTRACT NO. 63745		



NOTES:

ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.

ALL STREET NAME SIGNS SHALL BE RELOCATED ABOVE NEW STOP SIGNS AND PLACED AT THE TOP OF POST. (INCLUDED IN COST OF THE NEW SIGN)

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 630.933.1200 FAX 630.933.1201



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DRAWN -	URB	REVISED -	
CHECKED -	RWL	REVISED -	
DATE -	06/20/12	FILE -	110994-PML2.SHT

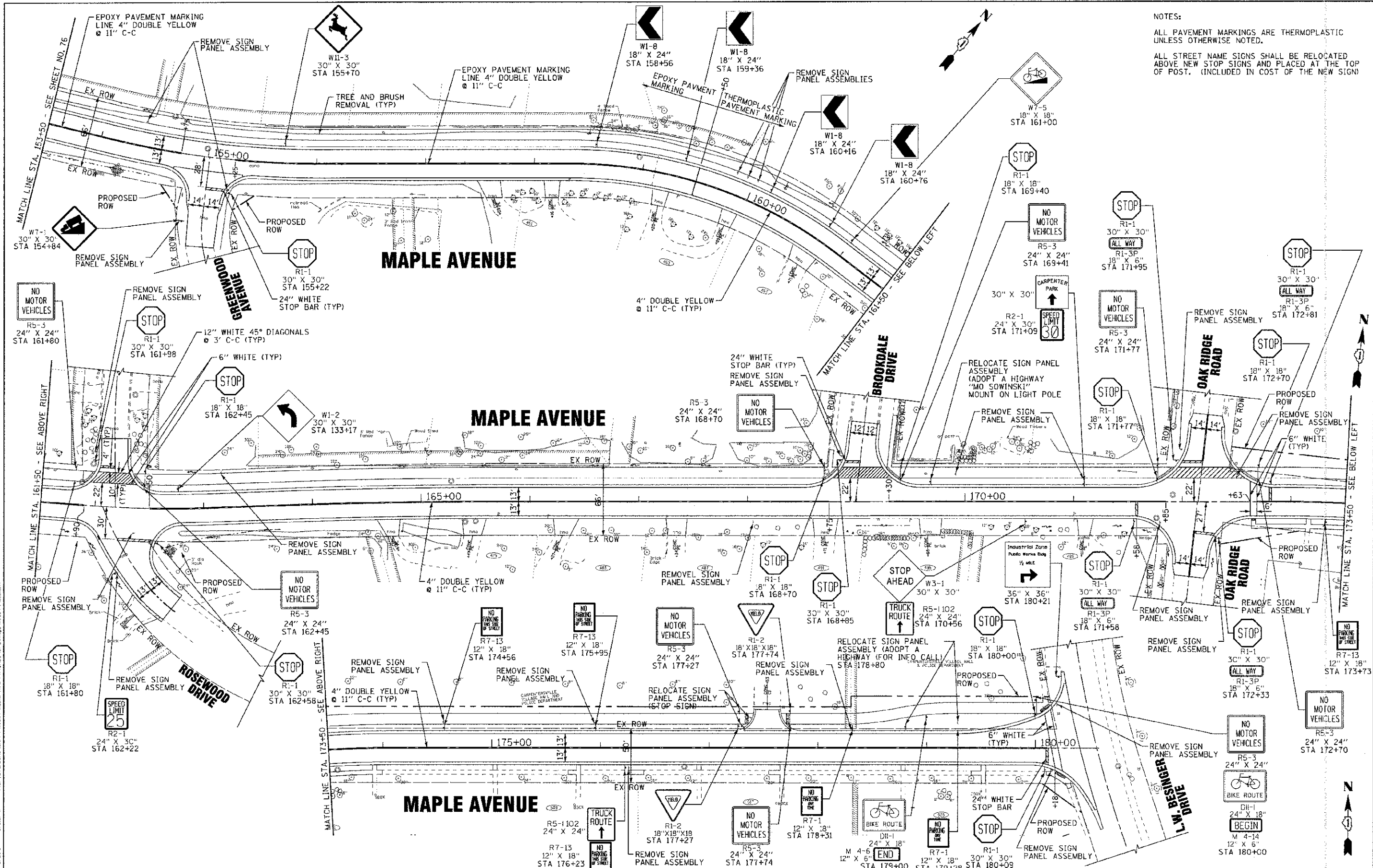
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING
AND SIGNAGE PLAN**

SCALE: 1"=40'

STA. 133+50 TO STA. 153+50

F.A.I.L. R.T.E.	SECTION	COUNTY	TOTAL SHEETS
4006	95-00049-00-PV	KANE	138 76
			CONTRACT NO. 63745
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-6001 (695)			



NOTES:
 ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.
 ALL STREET NAME SIGNS SHALL BE RELOCATED ABOVE NEW STOP SIGNS AND PLACED AT THE TOP OF POST. (INCLUDED IN COST OF THE NEW SIGN)

	DESIGNED -	DJS	REVISED -	PER IDOT 10/19/12
	DRAWN -	JKB	REVISED	
	CHECKED -	RWL	REVISED	
	DATE -	06/20/12	FILE -	110994-PM1.3.sht

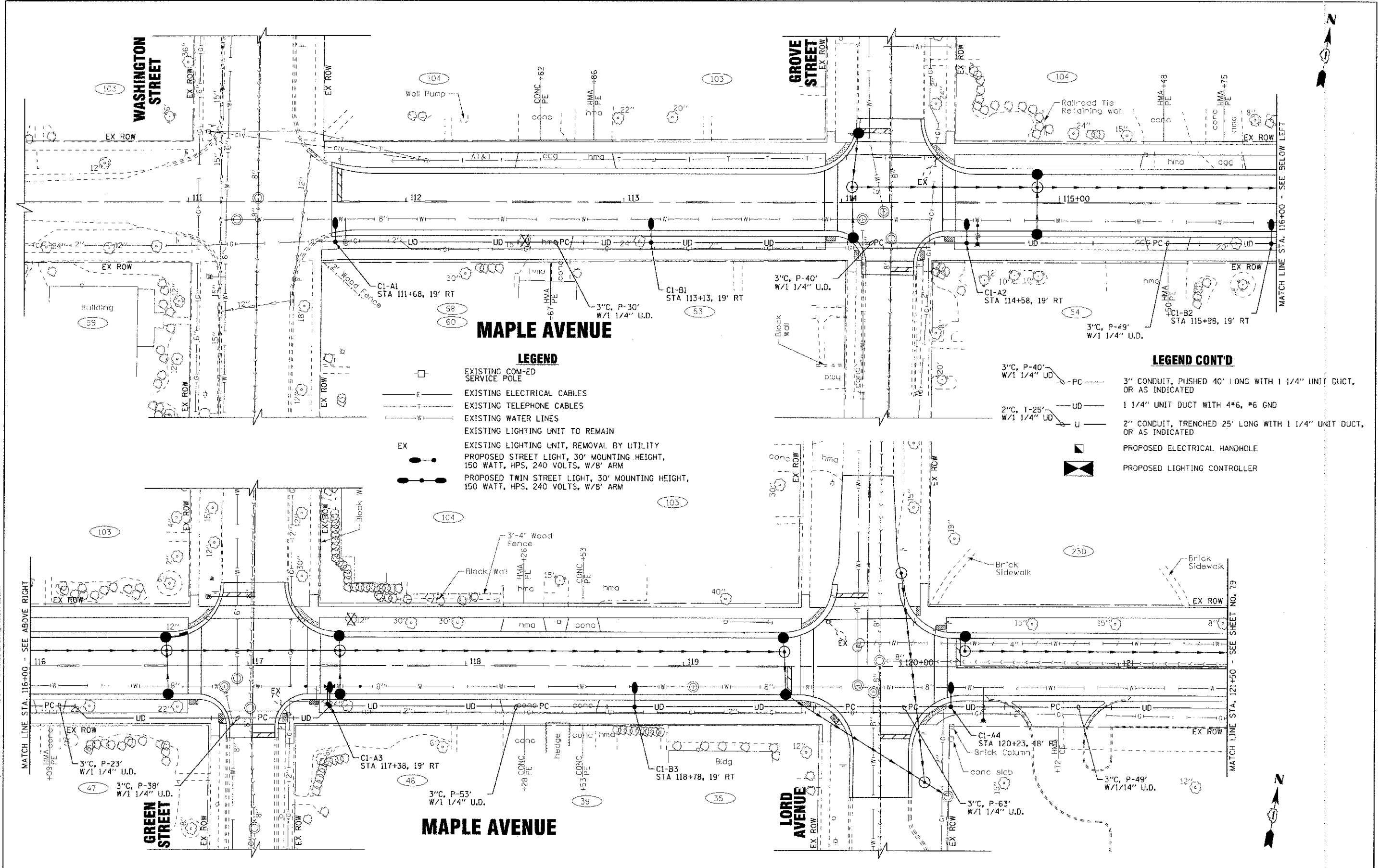
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND
 SIGNAGE PLAN

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4006	95-00049 00-PV	KANE	138	77
CONTRACT NO. 63745				
FED. ROAD DIST. NO.: ILLINOIS FED. AID PROJECT M-6063 (095)				

SCALE: 1"=40'
 STA. 153+50 TO STA. 180+56

CONTRACT & DESIGN BY: BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS - PROFESSIONAL DESIGNER
 LICENSE NO. 14-000112-0001
 PROJECT NO. 95-00049-00-PV
 SHEET NO. 77 OF 138



- LEGEND**
- EXISTING COM-ED SERVICE POLE
 - EXISTING ELECTRICAL CABLES
 - EXISTING TELEPHONE CABLES
 - EXISTING WATER LINES
 - EXISTING LIGHTING UNIT TO REMAIN
 - EX EXISTING LIGHTING UNIT, REMOVAL BY UTILITY
 - PROPOSED STREET LIGHT, 30' MOUNTING HEIGHT, 150 WATT, HPS, 240 VOLTS, W/8' ARM
 - PROPOSED TWIN STREET LIGHT, 30' MOUNTING HEIGHT, 150 WATT, HPS, 240 VOLTS, W/8' ARM

- LEGEND CONT'D**
- 3" CONDUIT, PUSHED 40' LONG WITH 1/4" UNIT DUCT, OR AS INDICATED
 - 1 1/4" UNIT DUCT WITH 4#6, #6 GND
 - 2" CONDUIT, TRENCHED 25' LONG WITH 1/4" UNIT DUCT, OR AS INDICATED
 - PROPOSED ELECTRICAL HANDHOLE
 - PROPOSED LIGHTING CONTROLLER

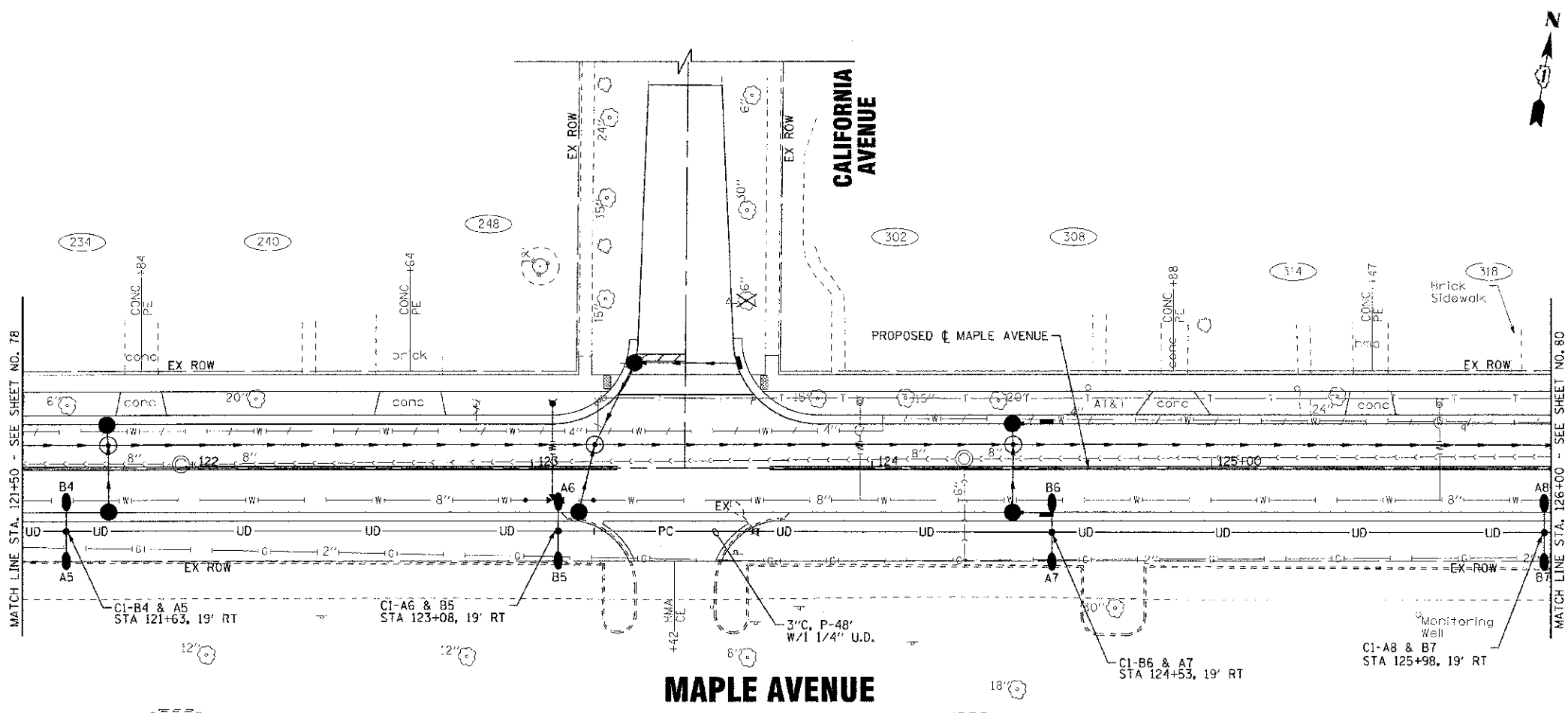
CONTRACT NO. 63745
 STATE OF ILLINOIS
 PROFESSIONAL ENGINEER
 LICENSE NO. 121-000000-00
 DATE 06/20/12



DESIGNED	MWH	REVISED	- PER IDOT 10/19/12
DRAWN	LKB	REVISED	
CHECKED	RWL	REVISED	
DATE	06/20/12	FILE	110994-SL1.sh1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STREET LIGHTING		F.A.U.	SECTION	COUNTY	TOTAL SHEETS
MAPLE AVENUE		4006	95-00049-00-PV	KANE	138
SCALE: 1"=20'		STA. 110+00	TO STA. 121+50	CONTRACT NO. 63745	
FED. ROAD DIST. NO. 1 ILLINOIS - FED. AID PROJECT W-8033 10950					



LEGEND

- EXISTING COM-ED SERVICE POLE
- EXISTING ELECTRICAL CABLES
- EXISTING TELEPHONE CABLES
- EXISTING WATER LINES
- EXISTING LIGHTING UNIT TO REMAIN
- EXISTING LIGHTING UNIT, REMOVAL BY UTILITY
- PROPOSED STREET LIGHT, 30' MOUNTING HEIGHT, 150 WATT, HPS, 240 VOLTS, W/8' ARM
- PROPOSED TWIN STREET LIGHT, 30' MOUNTING HEIGHT, 150 WATT, HPS, 240 VOLTS, W/8' ARM
- 3" CONDUIT, PUSHED 40' LONG WITH 1 1/4" UNIT DUCT, OR AS INDICATED
- 1 1/4" UNIT DUCT WITH 4#6, #6 GND
- 2" CONDUIT, TRENCHED 25' LONG WITH 1 1/4" UNIT DUCT, OR AS INDICATED
- PROPOSED ELECTRICAL HANDHOLE
- PROPOSED LIGHTING CONTROLLER

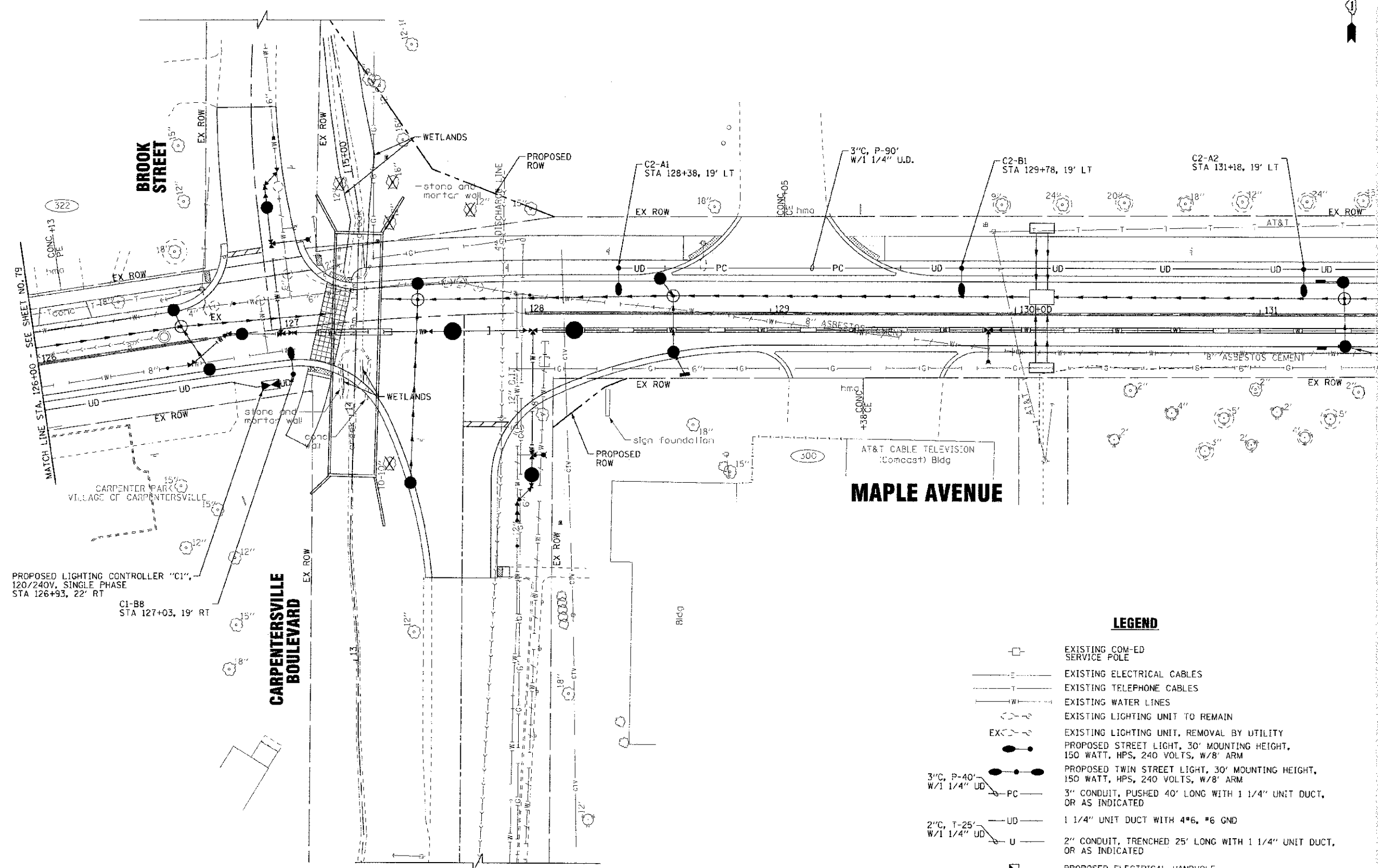
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 312.462.1100

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DRAWN - UKB	REVISED -
CHECKED - RWL	REVISED -
DATE - 06/20/12	FILE - 110994-SL2.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STREET LIGHTING	
MAPLE AVENUE	
SCALE: 1"=20'	STA. 121+50 TO STA. 126+00

F.A.U. RT. 4006	SECTION 95-00049-00-PV	COUNTY KANE	TOTAL SHEETS 79
CONTRACT NO. 63745			
FED. ROAD DIST. NO. 1 ILLINOIS; FED. AID PROJECT W-8003 (1995)			



PROPOSED LIGHTING CONTROLLER "C1",
120/240V, SINGLE PHASE
STA 126+93, 22' RT

C1-B8
STA 127+03, 19' RT

MAPLE AVENUE

**CARPENTERSVILLE
BOULEVARD**

**BROOK
STREET**

LEGEND

- EXISTING COM-ED SERVICE POLE
- EXISTING ELECTRICAL CABLES
- EXISTING TELEPHONE CABLES
- EXISTING WATER LINES
- EXISTING LIGHTING UNIT TO REMAIN
- EXISTING LIGHTING UNIT, REMOVAL BY UTILITY
- PROPOSED STREET LIGHT, 30' MOUNTING HEIGHT, 150 WATT, HPS, 240 VOLTS, W/8' ARM
- PROPOSED TWIN STREET LIGHT, 30' MOUNTING HEIGHT, 150 WATT, HPS, 240 VOLTS, W/8' ARM
- 3" C, P-40' W/1 1/4" UD
- 1 1/4" UNIT DUCT WITH 4#6, #6 GND
- 2" C, T-25' W/1 1/4" UD
- 2" CONDUIT, TRENCHED 25' LONG WITH 1 1/4" UNIT DUCT, OR AS INDICATED
- PROPOSED ELECTRICAL HANDHOLE
- PROPOSED LIGHTING CONTROLLER

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 LICENSE NO. 184-0017208
 PROJECT NO. 95-00049-00-PV
 DATE: 06/20/12



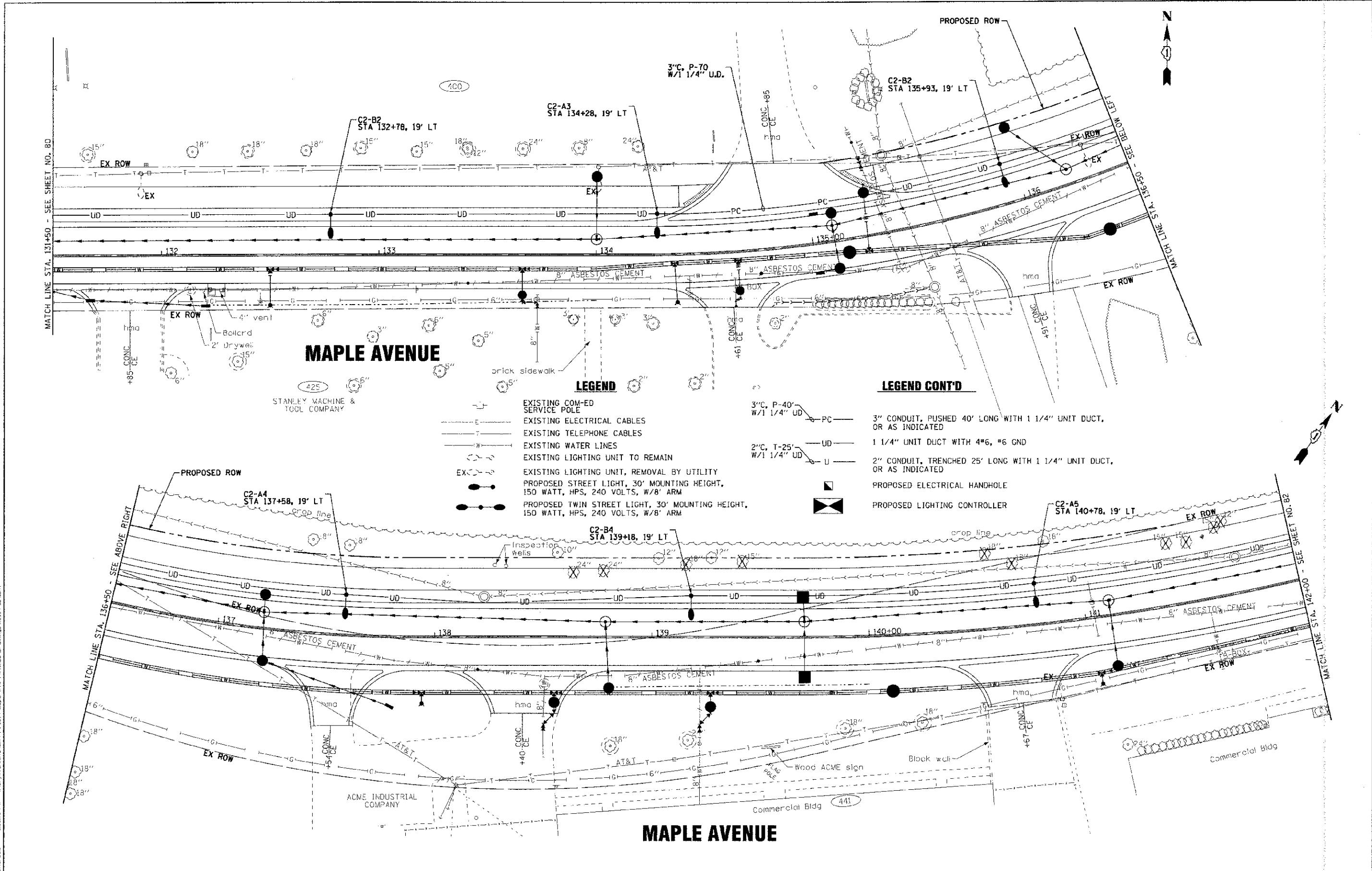
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DRAWN - UKB	REVISED -
CHECKED - RWL	REVISED -
DATE - 06/20/12	FILE - J0994-S1 3.snt

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STREET LIGHTING MAPLE AVENUE		F.A.U. RTE. 4006	SECTION 95-00049-00-PV	COUNTY KANE	TOTAL SHEETS 138	SHEET NO. 80
SCALE: 1"=20'		STA. 126+00 TO STA. 131+50		CONTRACT NO. 63745		

F.A.U. RTE. 4006	SECTION 95-00049-00-PV	COUNTY KANE	TOTAL SHEETS 138	SHEET NO. 80
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT M-8003 (095)				

MATCH LINE STA. 131+50 - SEE SHEET NO. 81



MAPLE AVENUE

MAPLE AVENUE

LEGEND

LEGEND CONT'D

- - - - - EXISTING COM-ED SERVICE POLE
- - - - - EXISTING ELECTRICAL CABLES
- - - - - EXISTING TELEPHONE CABLES
- - - - - EXISTING WATER LINES
- - - - - EXISTING LIGHTING UNIT TO REMAIN
- EX - - - - EXISTING LIGHTING UNIT, REMOVAL BY UTILITY
- PROPOSED STREET LIGHT, 30' MOUNTING HEIGHT, 150 WATT, HPS, 240 VOLTS, W/8' ARM
- PROPOSED TWIN STREET LIGHT, 30' MOUNTING HEIGHT, 150 WATT, HPS, 240 VOLTS, W/8' ARM
- PC - - - - 3" CONDUIT, PUSHED 40' LONG WITH 1 1/4" UNIT DUCT, OR AS INDICATED
- UD - - - - 1 1/4" UNIT DUCT WITH 4#6, #6 GND
- U - - - - 2" CONDUIT, TRENCHED 25' LONG WITH 1 1/4" UNIT DUCT, OR AS INDICATED
- - - - - PROPOSED ELECTRICAL HANDHOLE
- ◻ - - - - PROPOSED LIGHTING CONTROLLER

C:\P\B\114\114.dwg BY: BAXTER & WOODMAN, INC. DATE: 06/20/12
 SCALE: 1"=20' PROJECT: 95-00049-00-PV SHEET: 138 OF 81
 CHECKED: RWL DESIGNED: MWH
 DRAWN: LKB
 DATE: 06/20/12

DESIGNED - MWH	REVISED - PER IDOT 10/19/12
DRAWN - LKB	REVISED -
CHECKED - RWL	REVISED -
DATE - 06/20/12	FILE - 110994-SL.4.shp

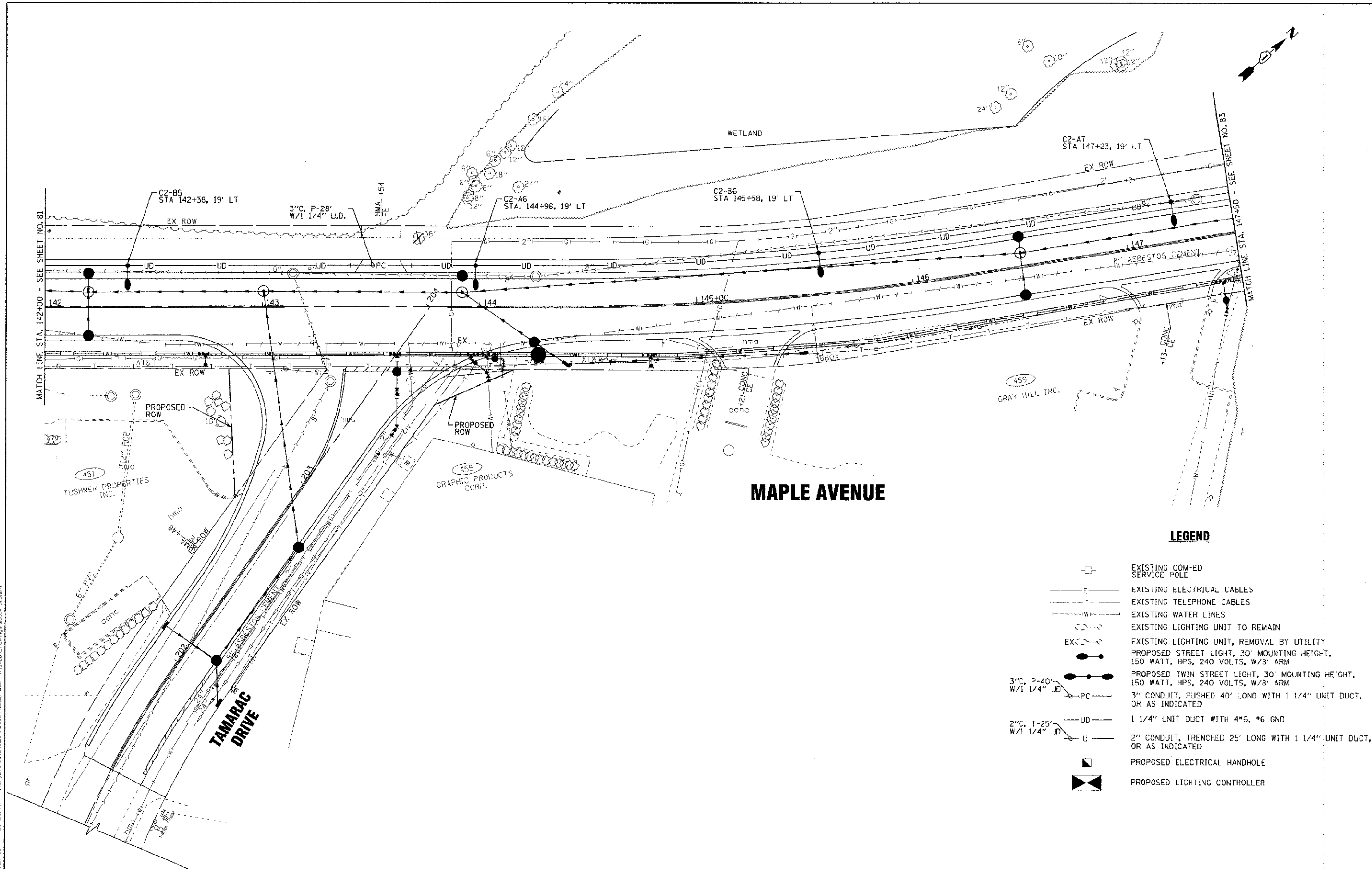
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STREET LIGHTING
MAPLE AVENUE**

SCALE: 1"=20'

STA. 131+50 TO STA. 142+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4006	95-00049-00-PV	KANE	138	81
				CONTRACT NO. 63745
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT #-6603 (095)				



LEGEND

- EXISTING COM-ED SERVICE POLE
- EXISTING ELECTRICAL CABLES
- EXISTING TELEPHONE CABLES
- EXISTING WATER LINES
- EXISTING LIGHTING UNIT TO REMAIN
- EXISTING LIGHTING UNIT, REMOVAL BY UTILITY
- PROPOSED STREET LIGHT, 30' MOUNTING HEIGHT, 150 WATT, HPS, 240 VOLTS, W/8' ARM
- PROPOSED TWIN STREET LIGHT, 30' MOUNTING HEIGHT, 150 WATT, HPS, 240 VOLTS, W/8' ARM
- 3" CONDUIT, PUSHED 40' LONG WITH 1 1/4" UNIT DUCT, OR AS INDICATED
- 1 1/4" UNIT DUCT WITH 4#6, #6 GND
- 2" CONDUIT, TRENCHED 25' LONG WITH 1 1/4" UNIT DUCT, OR AS INDICATED
- PROPOSED ELECTRICAL HANDHOLE
- PROPOSED LIGHTING CONTROLLER

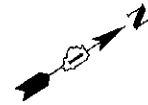
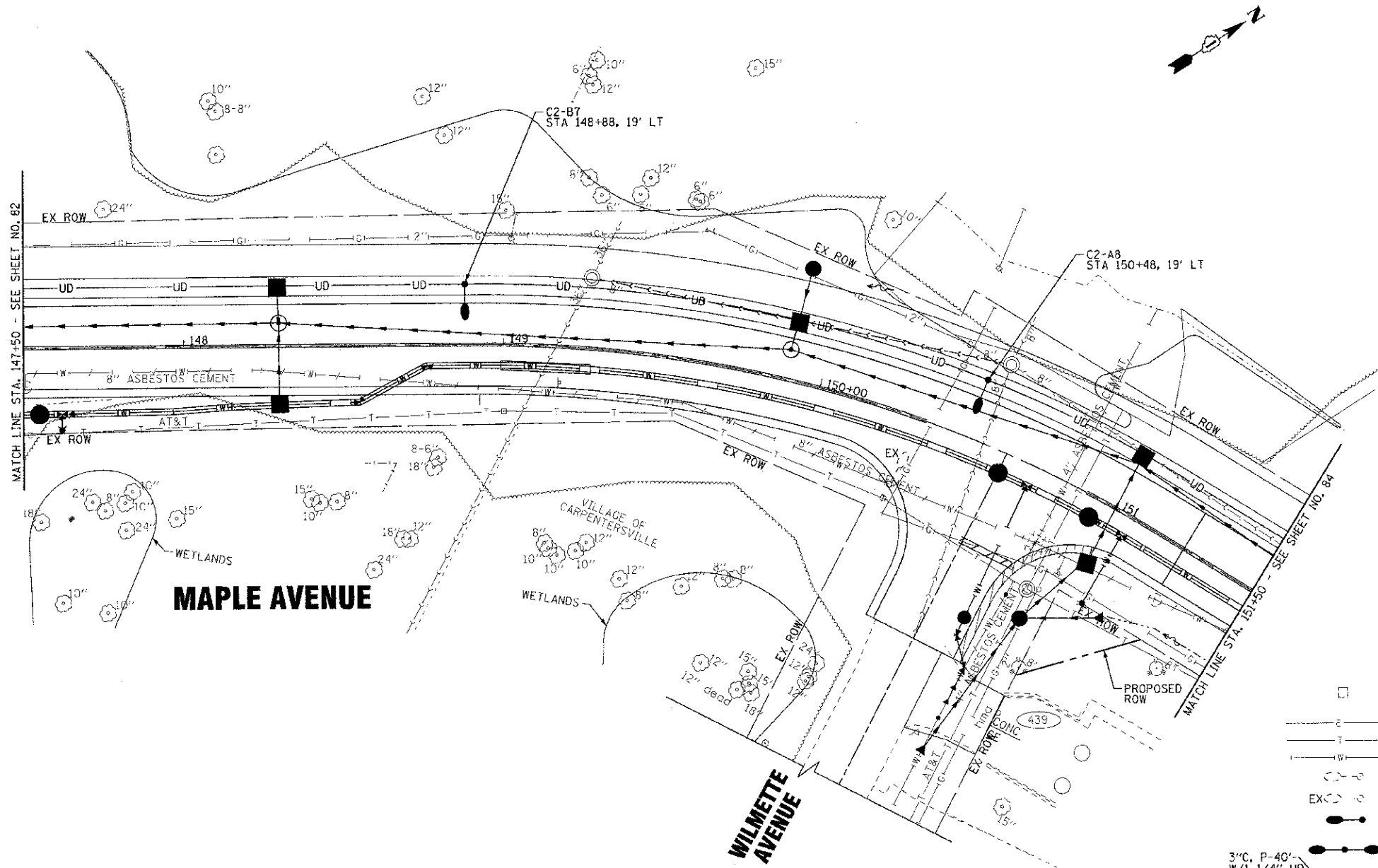
CONTRACT NO. 95-0G-049-PV
 STATE OF ILLINOIS
 PROFESSIONAL ENGINEER
 LICENSE NO. 18-00227 - EXPIRES 4/30/2013
 1225 W. MADISON AVENUE, SUITE 200
 CHICAGO, ILLINOIS 60606-5000
 TEL: 312.467.1000 FAX: 312.467.1001
 WWW.WOODMAN-RAKTER.COM

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CHECKED - RWL	REVISED -
DATE - 06/20/12	FILE - 110994-SL5.sht


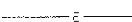
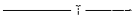
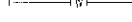




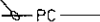

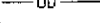


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STREET LIGHTING MAPLE AVENUE	
SCALE: 1"=20'	STA. 142+00 TO STA. 147+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4006	95-0G-049-00-PV	KANE	138	82
CONTRACT NO. 63745			FED. ROAD DIST. NO. 1 ILLINOIS, FED. AID PROJECT W-8003 (095)	



LEGEND

-  EXISTING COM-ED SERVICE POLE
-  EXISTING ELECTRICAL CABLES
-  EXISTING TELEPHONE CABLES
-  EXISTING WATER LINES
-  EXISTING LIGHTING UNIT TO REMAIN
-  EXISTING LIGHTING UNIT, REMOVAL BY UTILITY
-  PROPOSED STREET LIGHT, 30' MOUNTING HEIGHT, 150 WATT, HPS, 240 VOLTS, W/8' ARM
-  PROPOSED TWIN STREET LIGHT, 30' MOUNTING HEIGHT, 150 WATT, HPS, 240 VOLTS, W/8' ARM
-  3" CONDUIT, PUSHED 40' LONG WITH 1 1/4" UNIT DUCT, OR AS INDICATED
-  1 1/4" UNIT DUCT WITH 4*6, #6 GND
-  2" CONDUIT, TRENCHED 25' LONG WITH 1 1/4" UNIT DUCT, OR AS INDICATED
-  PROPOSED ELECTRICAL HANDHOLE
-  PROPOSED LIGHTING CONTROLLER

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 TEL: 773.442.1000 FAX: 773.442.1001
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DATE - 06/20/12	FILE - 110994-SL6.sht

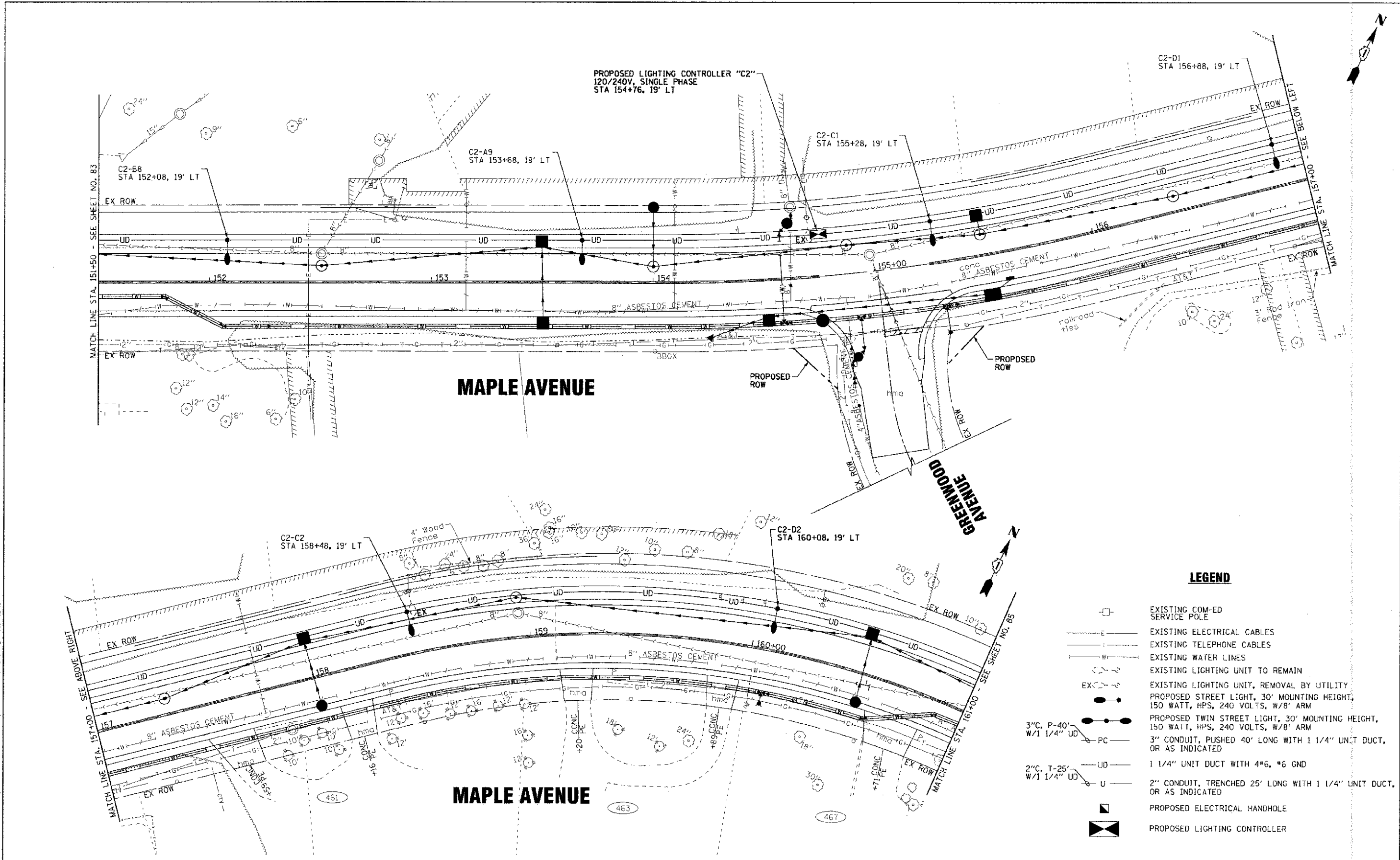
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=20'

**STREET LIGHTING
MAPLE AVENUE**

STA. 147+50 TO STA. 151+50

F.A.I. RTE. 4006	SECTION 95-00049-00-PV	COUNTY KANE	TOTAL SHEET NO. 138	SHEET NO. 83
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63745	
FED. AID PROJECT M-8003 (099)				



LEGEND

	EXISTING COM-ED SERVICE POLE
	EXISTING ELECTRICAL CABLES
	EXISTING TELEPHONE CABLES
	EXISTING WATER LINES
	EXISTING LIGHTING UNIT TO REMAIN
	EXISTING LIGHTING UNIT, REMOVAL BY UTILITY
	PROPOSED STREET LIGHT, 30' MOUNTING HEIGHT, 150 WATT, HPS, 240 VOLTS, W/8' ARM
	PROPOSED TWIN STREET LIGHT, 30' MOUNTING HEIGHT, 150 WATT, HPS, 240 VOLTS, W/8' ARM
	3" CONDUIT, PUSHED 40' LONG WITH 1 1/4" UNIT DUCT, OR AS INDICATED
	1 1/4" UNIT DUCT WITH #6, #6 GND
	2" CONDUIT, TRENCHED 25' LONG WITH 1 1/4" UNIT DUCT, OR AS INDICATED
	PROPOSED ELECTRICAL HANDHOLE
	PROPOSED LIGHTING CONTROLLER

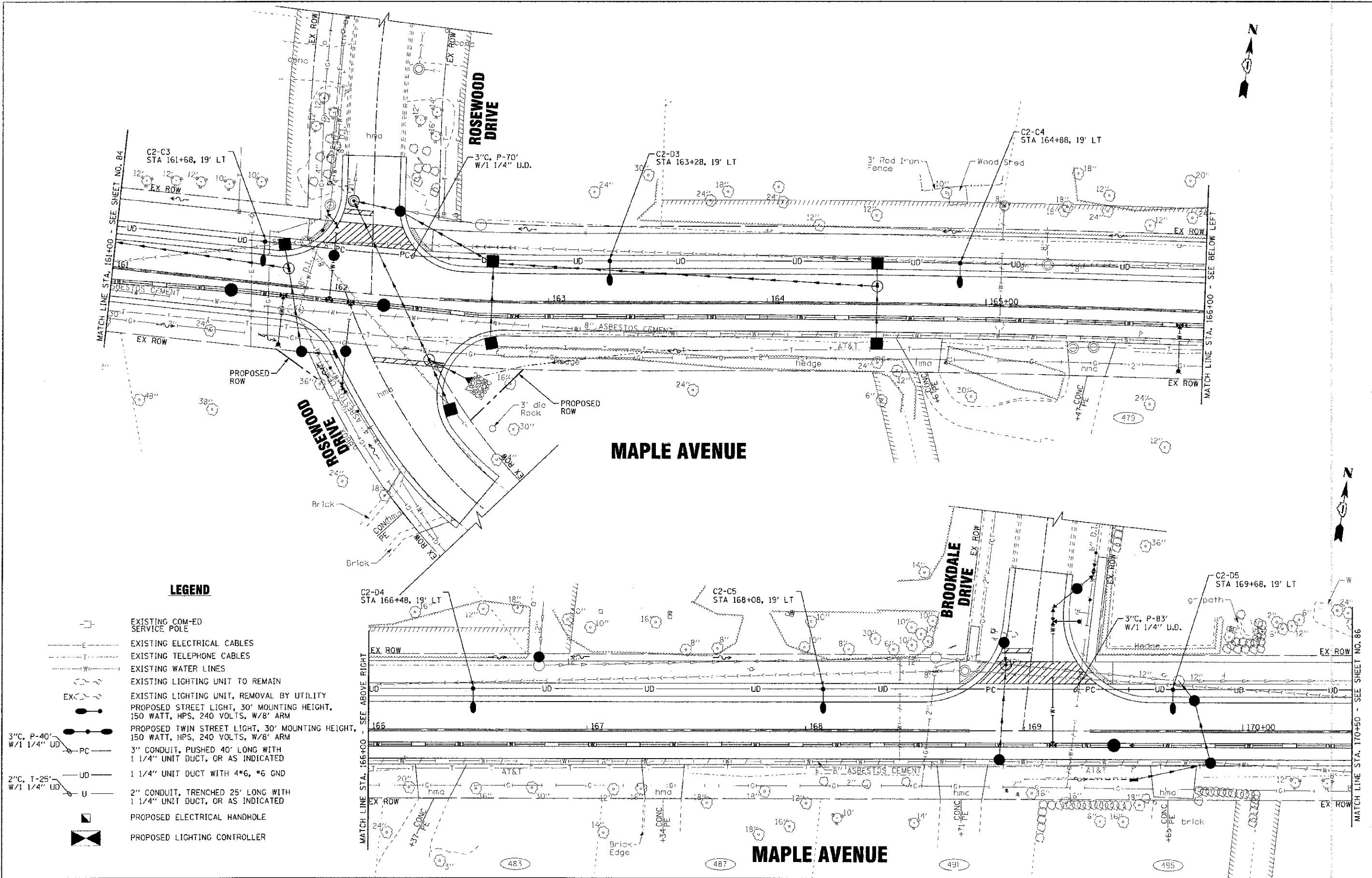
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 WWW.BAXTERANDWOODMAN.COM

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CHECKED - RWL	REVISED -
DATE - 06/20/12	FILE - 110994-SL7.sht


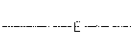
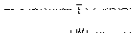







**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STREET LIGHTING MAPLE AVENUE	
SCALE: 1"=20'	STA. 151+50 TO STA. 161+00

F.A.J. RTE. 4006	SECTION 95-00249-00-PV	COUNTY KANE	TOTAL SHEETS 138	SHEET NO. 84
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-80D3 (095)			CONTRACT NO. 63745	



LEGEND

-  EXISTING COM-ED SERVICE POLE
-  EXISTING ELECTRICAL CABLES
-  EXISTING TELEPHONE CABLES
-  EXISTING WATER LINES
-  EXISTING LIGHTING UNIT TO REMAIN
-  EXISTING LIGHTING UNIT, REMOVAL BY UTILITY
-  PROPOSED STREET LIGHT, 30' MOUNTING HEIGHT, 150 WATT, HPS, 240 VOLTS, W/8' ARM
-  PROPOSED TWIN STREET LIGHT, 30' MOUNTING HEIGHT, 150 WATT, HPS, 240 VOLTS, W/8' ARM
- 3" CONDUIT, PUSHED 40' LONG WITH 1 1/4" UNIT DUCT, OR AS INDICATED
- 1 1/4" UNIT DUCT WITH 4#6, #6 GND
- 2" CONDUIT, TRENCHED 25' LONG WITH 1 1/4" UNIT DUCT, OR AS INDICATED
-  PROPOSED ELECTRICAL HANDHOLE
-  PROPOSED LIGHTING CONTROLLER

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 PROJECT NO. 110894-SLB.sht
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DRAWN - UKB	REVISED
CHECKED - RWL	REVISED
DATE - 06/20/12	FILE - 110894-SLB.sht

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STREET LIGHTING MAPLE AVENUE		F.A.L. RTE. 400E	SECTION 95-00049-00-PV	COUNTY KANE	TOTAL SHEETS NO. 138	SHEET NO. 85
SCALE: 1"=20'		STA. 161+00 TO STA. 170+50		CONTRACT NO. 63745		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003 (095)						

1. FIELD ADJUSTMENT OF LIGHTING UNIT LOCATIONS TO AVOID CONFLICTS MUST BE APPROVED BY THE ENGINEER. OFFSET FOUNDATIONS HAVE BEEN INCLUDED FOR POTENTIAL UTILITY CONFLICTS.
2. CARE IS TO BE TAKEN AS NOT TO DAMAGE ANY OF THE EXISTING CONDUITS, DETECTORS AND EQUIPMENT. IF ANY OF THE CONDUIT AND/OR EQUIPMENT IS DAMAGED THE CONTRACTOR SHALL REPAIR AND/OR REPLACE THE CONDUIT AND/OR EQUIPMENT AT NO COST TO THE VILLAGE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF FINISHED GRADE. THE RESIDENT ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY FOR COORDINATING THE FINISHED GRADE ELEVATION WITH THE TOP OF FOUNDATION HEIGHTS AND THE LIGHT SHALL REMAIN WITH THE CONTRACTOR.
4. ALL DISTURBED AREAS WHERE RESTORATION IS NOT COVERED BY APPLICABLE SECTIONS OF THE SPECIAL PROVISIONS MUST BE RESTORED TO THE SATISFACTION OF THE ENGINEER. THE WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. SEPARATE PAYMENT WILL NOT BE MADE.
5. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR WIRE MARKERS AND SHALL TAG ALL WIRE ACCORDINGLY.
6. EQUIPMENT GROUND CONDUCTORS SHALL BE SPICED AND/OR BONDED AT EACH LIGHT POLE OR OTHER PIECE OF EQUIPMENT.
7. CONDUIT AND UNIT DUCT MUST BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH TREES, BUSHES, DRAINS AND OTHER UTILITIES AND LANDSCAPING.
8. NO UNDERGROUND SPLICES OR SPLICES IN HANDHOLES ARE PERMITTED. ELECTRIC HANDHOLES ARE FOR THE PURPOSE OF PULLING CABLES ONLY.
9. LIGHTING UNIT OFFSETS AS CALLED OUT ON DRAWINGS ARE FROM PROPOSED ROADWAY CENTERLINE. LIGHTING UNITS SHALL ALSO MEET A MINIMUM SETBACK OF 3 FEET FROM FACE OF CURB TO CENTER OF POLE FOUNDATION.
10. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR GROUNDING. GROUNDING CONNECTIONS AT THE FOUNDATION SHALL BE EXOTHERMICALLY WELDED, AS SPECIFIED, AND SHALL BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO BACKFILLING.
11. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR BURIED WARNING TAPE, SPECIFIED AS PART OF "UNDERGROUND RACEWAYS". THE INSTALLATION OF THE TAPE SHALL BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO BACKFILLING.
12. NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, AS APPROVED BY THE ENGINEER.
13. ALL CONDUITS UNDER ROADWAYS AND DRIVEWAYS IN TRENCHES SHALL BE INSTALLED BEFORE PAVEMENT IS PLACED. CONDUIT LENGTHS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE ACTUAL LENGTH REQUIREMENTS IN THE FIELD.

LIGHTING SCHEDULE OF QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	2
80400200	ELECTRIC UTILITY SERVICE CONNECTION	LSUM	2
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	841
81603100	UNIT DUCT, 600V, 4-1C NO. 8, 1/2" NO. 8 GROUND, (XIP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	5623
82102150	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 150 WATT	EACH	48
82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	2
83006300	LIGHT POLE, ALUMINUM, 30 FT. M.H. 8 FT. MAST ARM	EACH	41
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	338
X8300001	LIGHT POLE, SPECIAL	EACH	4
X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	70

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 PROJECT: 110994-SL-DETAIL S.D.P.1



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DRAWN	-	URB	REVISED	-	
CHECKED	-	RWL	REVISED	-	
DATE	-	06/20/12	FILE	-	110994-SL-DETAIL S.D.P.1

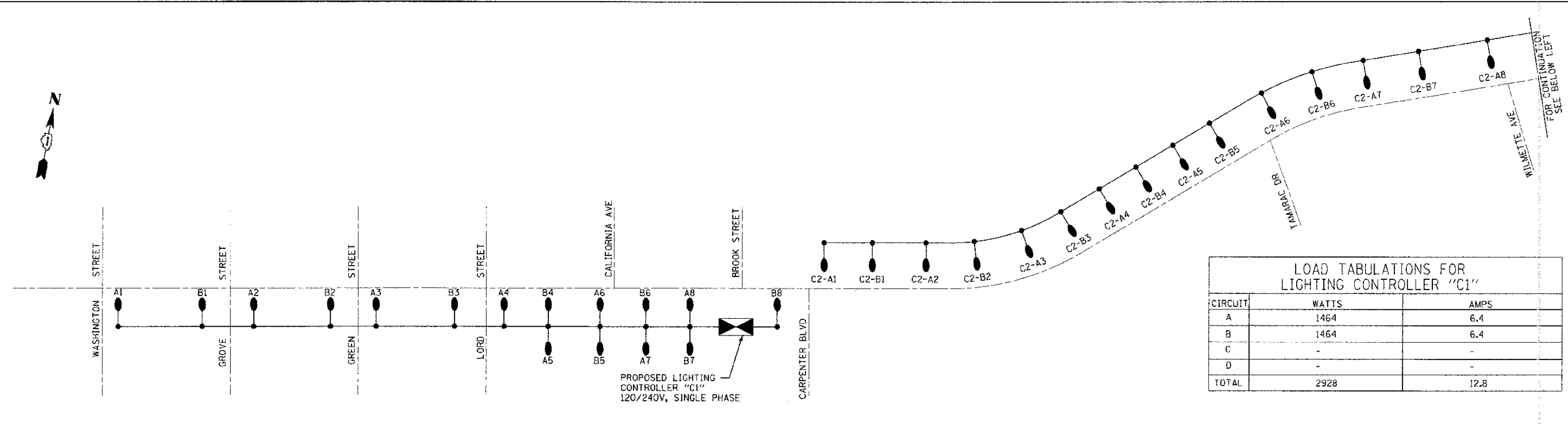
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAPLE AVENUE - STREET LIGHTING
GENERAL NOTES AND SCHEDULE OF QUANTITIES

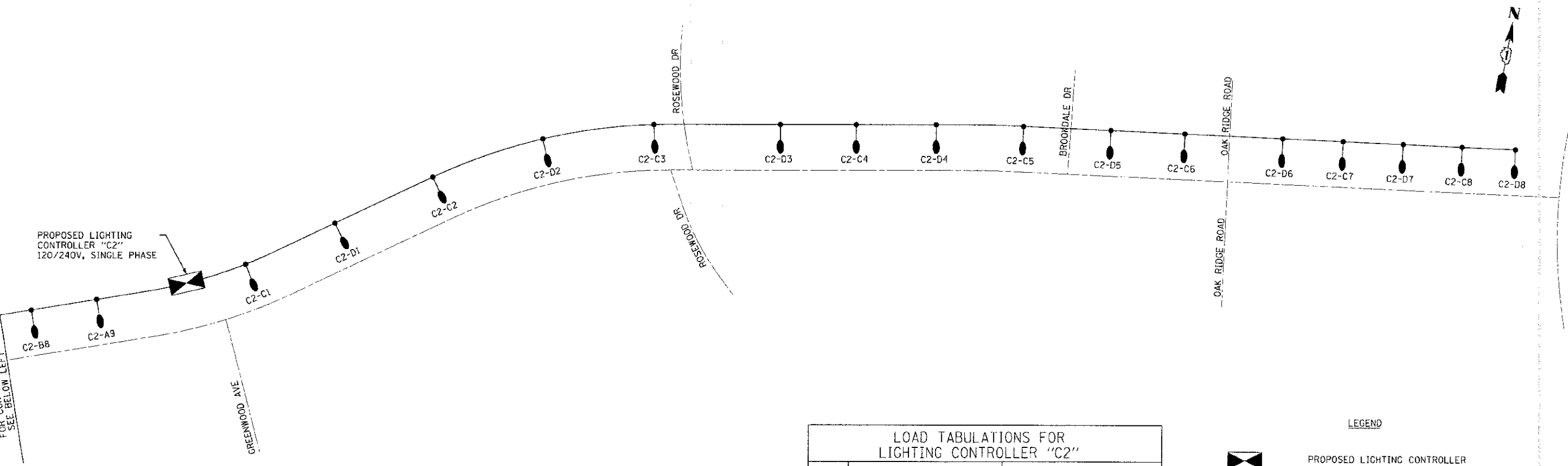
SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4006	95-00049-00-PV	KANE	138	87
CONTRACT NO. 63745			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT N-6003 (095)	





CIRCUIT	WATTS	AMPS
A	1464	6.4
B	1464	6.4
C	-	-
D	-	-
TOTAL	2928	12.8




CIRCUIT	WATTS	AMPS
A	1647	7.2
B	1464	6.4
C	1464	6.4
D	1464	6.4
TOTAL	6039	26.4

LEGEND

 PROPOSED LIGHTING CONTROLLER

 PROPOSED STREET LIGHT, 30' MOUNTING HEIGHT, 150 WATT, HPS, 240 VOLTS, W/8' ARM

 PROPOSED TWIN STREET LIGHT, 30' MOUNTING HEIGHT, 150 WATT, HPS, 240 VOLTS, W/8' ARM

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DRAWN - LKB	REVISED -
CHECKED - RWL	REVISED -
DATE - 06/20/12	FILE - 110994-SL-DETAILS.rvt

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAPLE AVENUE - STREET LIGHTING
SINGLE LINE DIAGRAM**

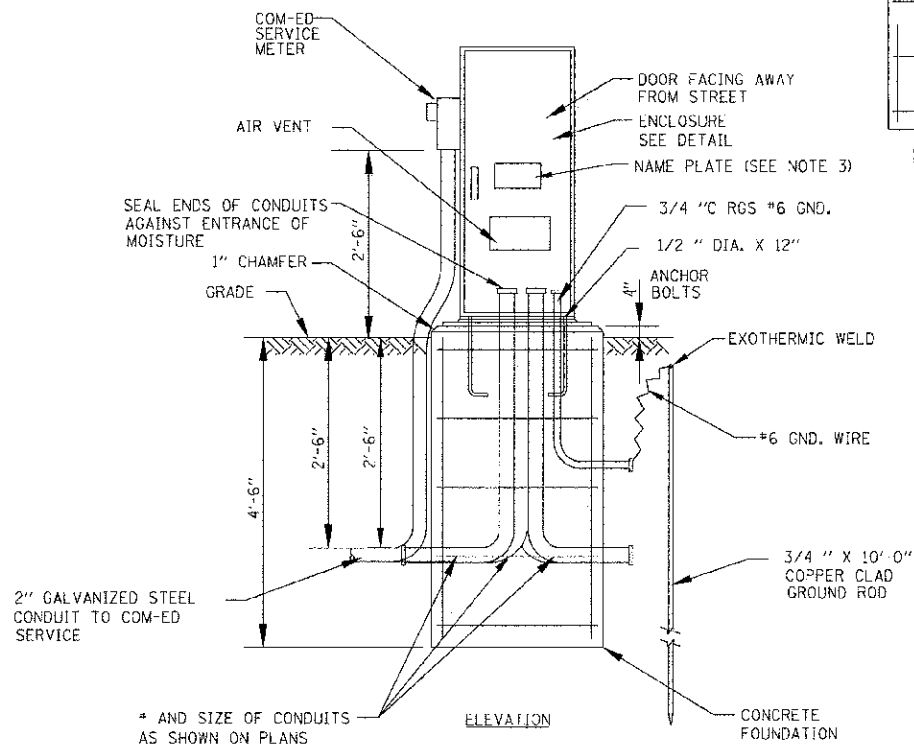
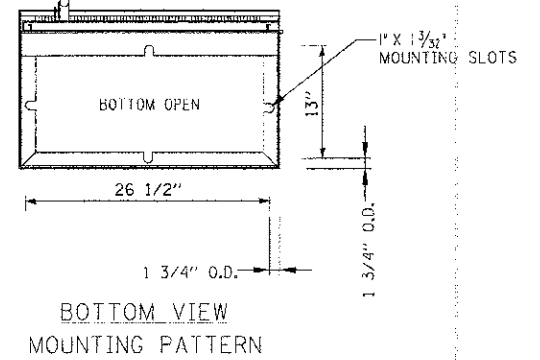
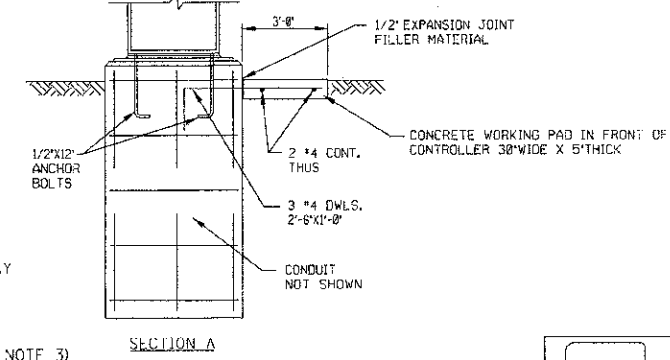
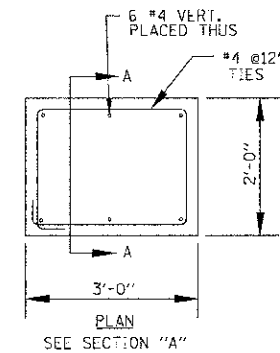
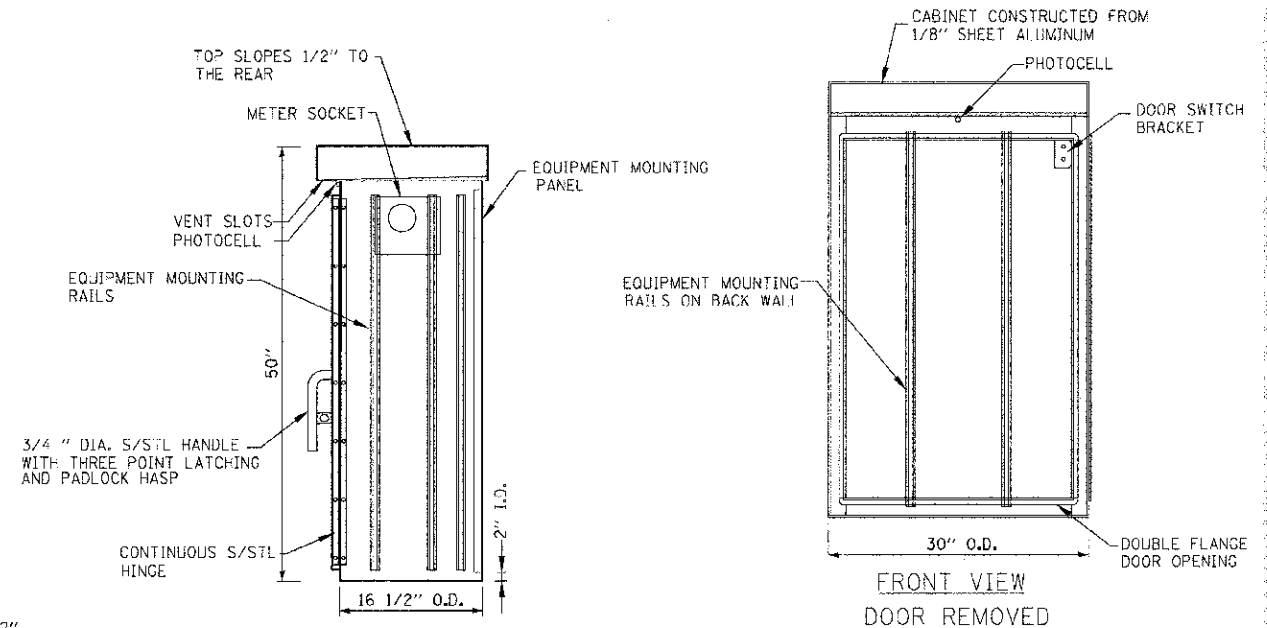
SCALE: NONE STA. TO STA.

F.A.I. RTE. 4006	SECTION 95-00049-00-PV	COUNTY KANE	TOTAL SHEETS 138	SHEET NO. 98
CONTRACT NO. 63745			FED. ROAD DIST. NO. 1 ILLINOIS' FED. AID PROJECT M-8001 10951	

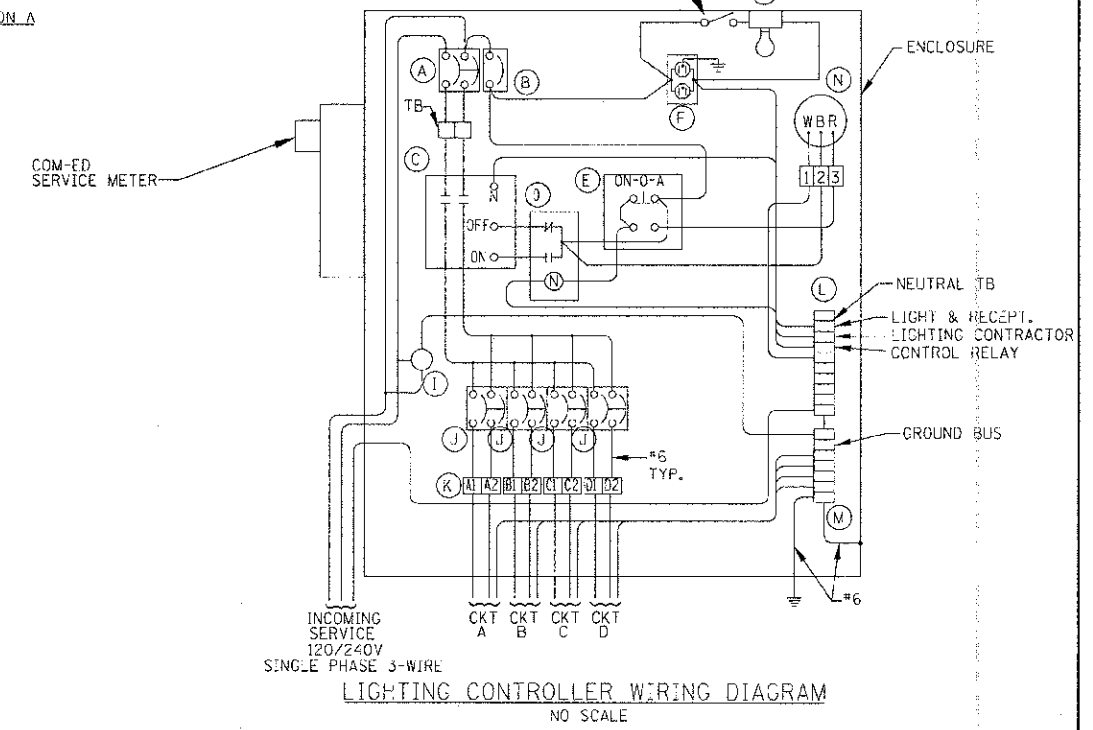
NOTES

- CABINET SHALL BE FABRICATED FROM 0.125-INCH SHEET ALUMINUM #3003H14, FORMED AND ARC WELDED ASSEMBLY WITH NEMA 3R RATING.
- ALL SCREWS AND HARDWARE SHALL BE PLATED, GALVANIZED, OR MADE OF BRASS, ALUMINUM OR STAINLESS STEEL.
- NAME PLATE SHALL HAVE ENGRAVED 0.75-INCH HIGH LETTERS FILLED IN BLACK: "STREET LIGHTING".
- CONNECTION OF SURGE ARRESTOR TO LINE SIDE OF MAIN CIRCUIT BREAKER SHALL NOT BE "DOUBLE LUGGED".
- ELECTRIC UTILITY METER 30X SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET AS SHOWN ON THE PANEL LAYOUT DIAGRAM.
- THE COMPLETED CONTROLLER SHALL BE U.L. LISTED AS AN INDUSTRIAL CONTROL PANEL UNDER UL508, AND SHOULD BE SERVICE ENTRANCE RATED.
- METAL MOUNTING PANEL SHALL BE #10 GAUGE GALVANIZED SHEET STEEL FLANGED BACK 0.75-INCHES I.D. ON 4 SIDES.
- CIRCUIT BREAKERS AND CONTACTORS AND OTHER COMPONENTS SHALL BE MOUNTED ON 0.125-INCH THICK GLASTIC INSULATION BACK PANEL.
- ALL DEVICES SHALL BE FRONT REMOVABLE.
- BUS BAR SHALL HAVE 22 LUG TERMINALS SIZED TO ACCOMMODATE REQUIRED WIRE SIZES. NEUTRAL BUS SHALL BE PAINTED WHITE. GROUND BUS SHALL BE PAINTED GREEN.
- ALL LUGS SHALL BE COPPER SCREWS AND CONNECTORS, SPRING HELD.
- ALL WIRING TERMINATIONS SHALL BE RATED NOT LESS THAN 75 DEGREE CENTIGRADE.
- ALL CONTROL WIRING SHALL BE 600V MACHINE TOOL WIRE TYPE MTW.
- ALL POWER WIRING SHALL BE 600V TYPE RHH-/RHW.
- A LAMINATED COPY OF THE CIRCUIT SCHEMATIC DIAGRAM SHALL BE ATTACHED TO THE INSIDE OF THE CONTROLLER.
- ALL 120 VOLT SYSTEM AND ALL CONTROL WIRING SHALL BE #12 AWG STRANDED UNLESS OTHERWISE INDICATED.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

ITEM	QTY.	DESCRIPTION
A	1	MAIN CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 2-POLE, 240 V. SINGLE-PHASE, 100A., BOLT-ON TYPE, TRIP INTERRUPTING RATING OF 22,000 RMS SYMMETRICAL AMPERES AT 240 V.
B	1	BRANCH CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC 1-POLE, 120 V., 20A, BOLT-ON TYPE, TRIP INTERRUPTING RATING OF 10,000 RMS SYMMETRICAL AMPERES AT 120 V.
C	1	LIGHTING CONTRACTOR MECHANICALLY HELD, CUTLER HAMMER A202K3B-M 100A. 2-POLE, 600 V. WITH 120V COIL.
D	1	CONTROL RELAY CUTLER HAMMER D3PR2 RATED 12 A. AT 120 VAC
E	1	ON-OFF-AUTO 3-POSITION SELECTOR SWITCH GE CR104P HEAVY DUTY SWITCH, RATED FOR 10 A. AT 60D VAC.
F	1	GFCI RECEPTACLE, 120 V., 20 A. SPEC. GRADE, NEMA CONFIG. 5-20R.
G	1	SPST MOMENTARY NORMALLY OPEN, NORMALLY CLOSED PUSH BUTTON SWITCH CUTLER HAMMER 84F1063 RATED 15 A. AT 120 V.
H	1	60 WATT LIGHT FIXTURE, VAPOR TIGHT, WITH GLOBE, GUARD AND MOUNTING BOX.
I	1	SECONDARY SURGE ARRESTER SQUARE D SDSA1175, 175 VAC PHASE-TO-GROUND MAXIMUM.
J	1	BRANCH CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 2-POLE, 240 V. SINGLE-PHASE, 30A. TRIP INTERRUPTING RATING 10,000 RMS SYMMETRICAL AMPERES AT 240 V.
K	1	TERMINAL BLOCK RATED 600 V., 85 A.
L	1	COPPER NEUTRAL BUS.
M	1	COPPER GROUND BUS.
N	1	PHOTOCELL-120V, BUTTON STYLE, DELAY TYPE, SPST



LIGHTING CONTROLLER AND FOUNDATION DETAIL
NO SCALE



LIGHTING CONTROLLER WIRING DIAGRAM
NO SCALE

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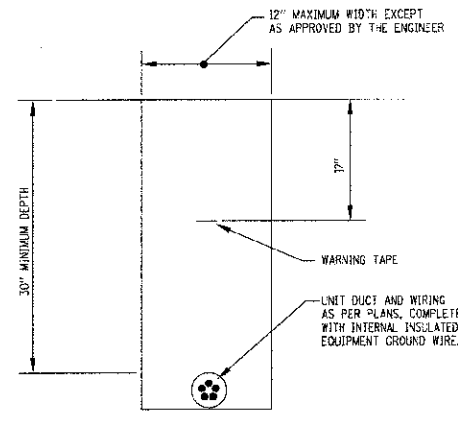
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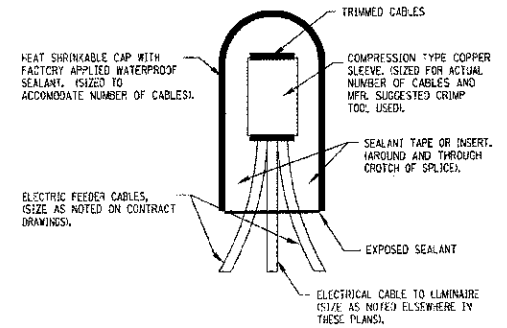
**STREET LIGHTING DETAILS
AND LIGHTING CONTROLLER**

SCALE: NONE STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
4006	95-00049-00-PV	KANE	138	89
FED. ROAD DIST. NO. 1 (ILLINOIS FED. AID PROJECT M 8063 1095)			CONTRACT NO. 63745	

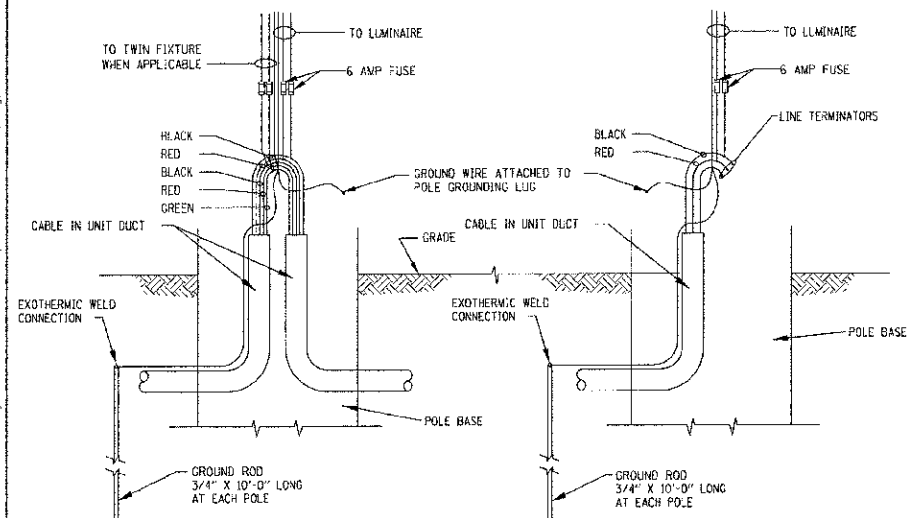


TYPICAL WIRING IN TRENCH DETAIL
NO SCALE



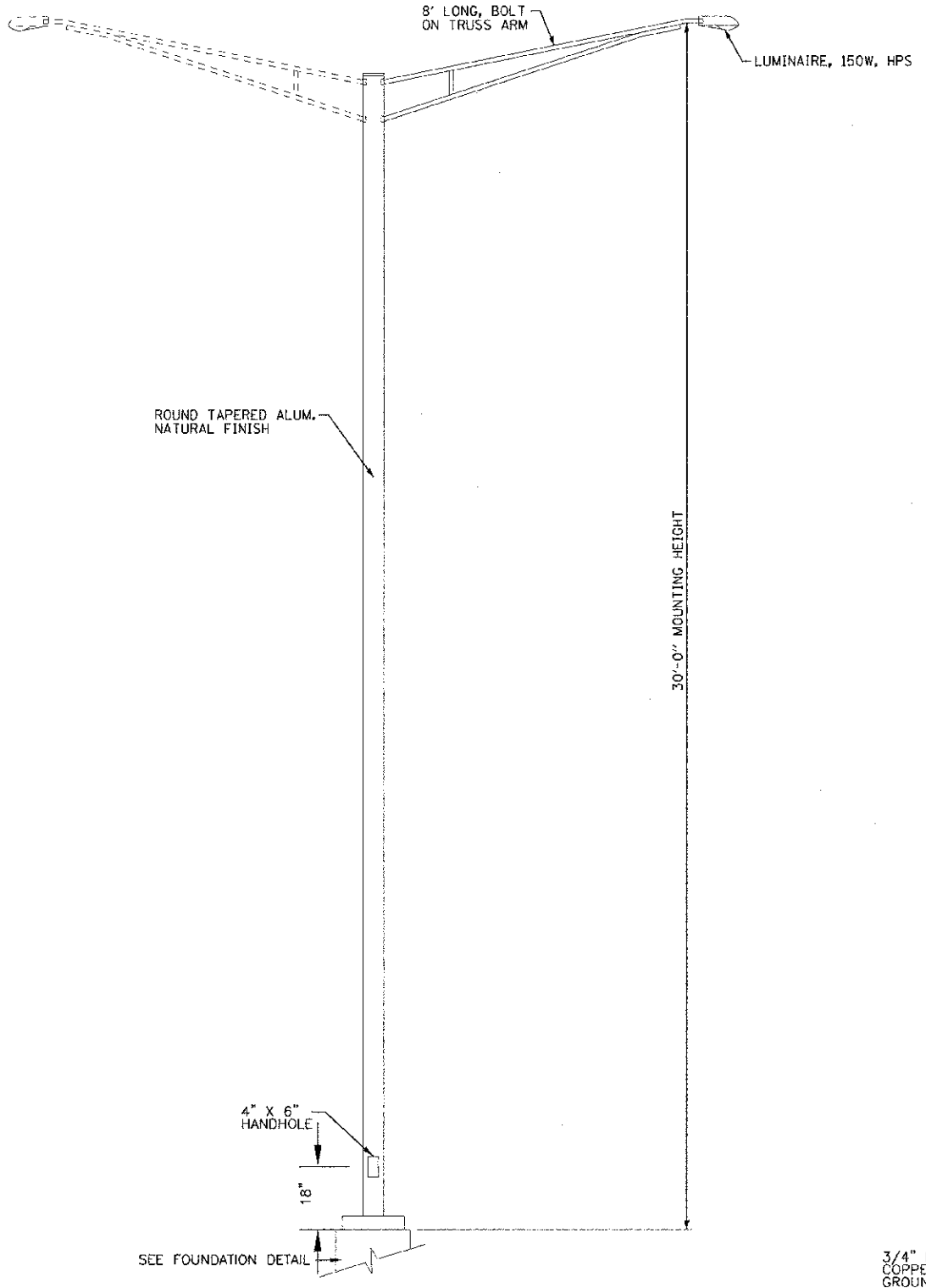
SPlicing ELECTRICAL Cables
BASIC MATERIALS AND METHODS
NO SCALE

NOTE:
NUMBER OF CABLES IN
SPLICE MAY VARY



INTERMEDIATE POLE
NO SCALE

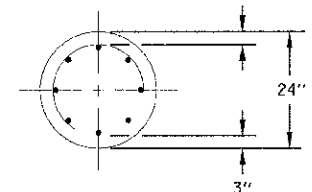
END POLE
NO SCALE



LIGHTING UNIT COMPLETE
NO SCALE

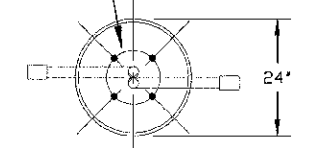
NOTES:

1. THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY CENTERED AND SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
2. THE HOLE FOR THE FOUNDATION SHALL BE MADE WITH AN AUGER OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
3. THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 1 INCH.
4. CABLE TRENCHES AND FOUNDATIONS SHALL BE BACK-FILLED AND COMPACTED, AND CONCRETE CURED ACCORDING TO APPLICABLE STANDARDS BEFORE LIGHT POLES MAY BE INSTALLED.
5. THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE ANCHOR ROD SHALL BE THREADED A MINIMUM OF 6 INCHES WITH A MINIMUM OF 3" OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION AND PROJECT A MINIMUM OF 2 3/4" ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
6. THE CONTRACTOR MAY USE A #3 SPIRAL AT 6" PITCH OR #3 TIES AT 12" O.C.
7. RACEWAYS SHALL PROJECT 1" ABOVE THE TOP OF THE FOUNDATION.

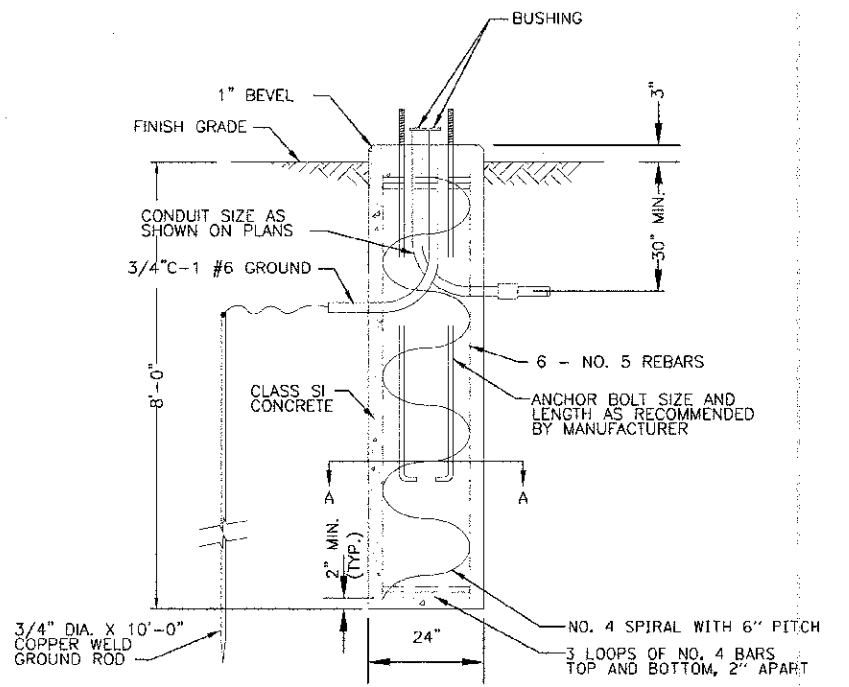


SECTION A-A

BOLT CIRCLE PER MANUFACTURER



TOP VIEW



FOUNDATION DETAIL
NO SCALE

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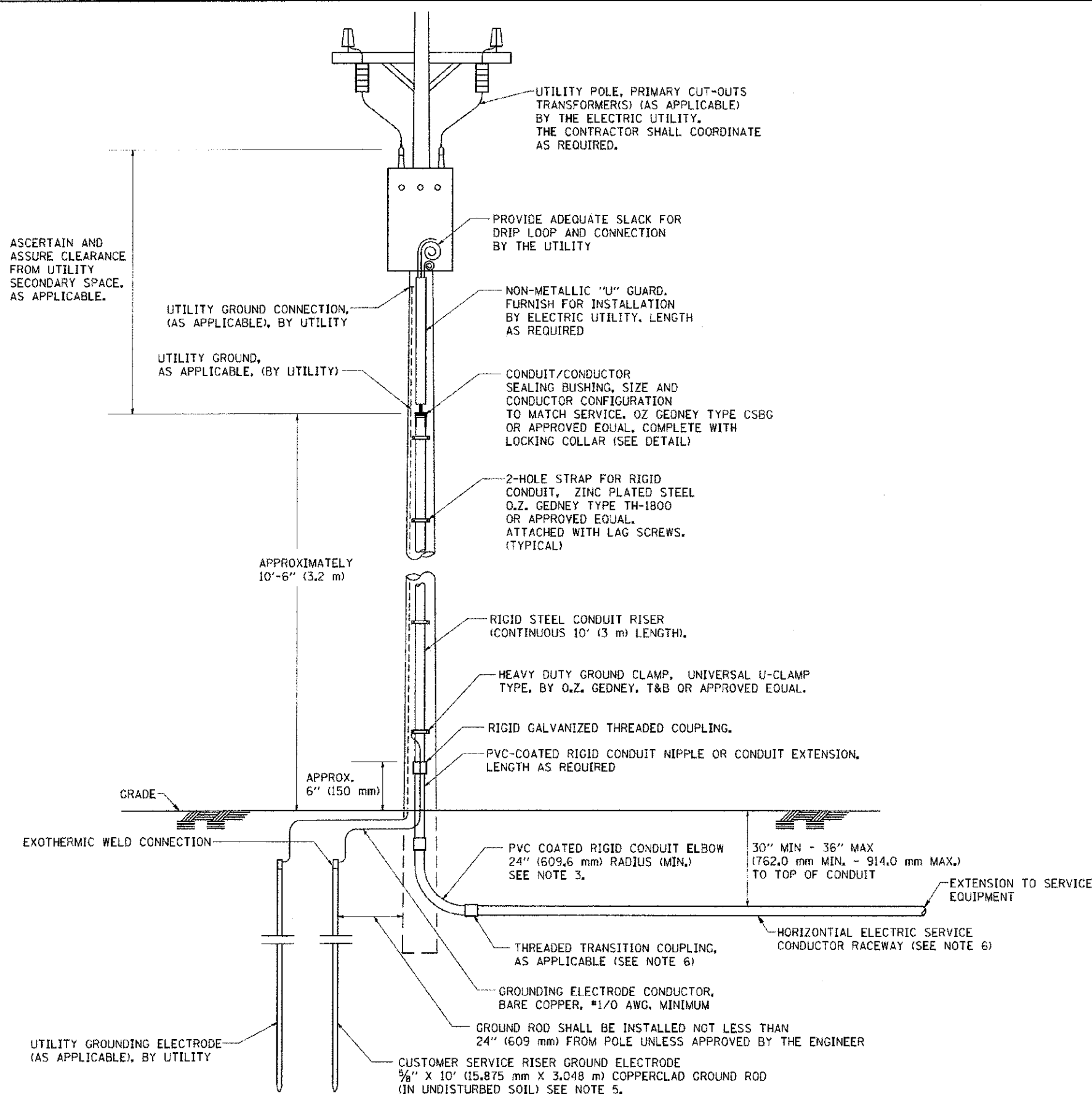
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STREET LIGHTING DETAILS

SCALE: NONE

STA. TO STA.

F.A.U. RT.:	SECTION	COUNTY	TOTAL SHEET NO.
4006	95-000-09-00-FV	KANE	138 90
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63745
FED. AID PROJECT M-60C3 10951			

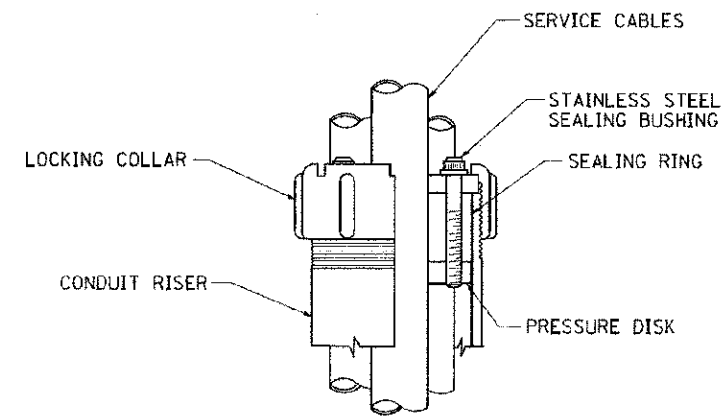


APPLICATION

THIS DETAIL APPLIES FOR LOW VOLTAGE ELECTRIC SERVICE (660 V OR LESS) FROM AN OVERHEAD UTILITY SUPPLY TO SEPERATLY-MOUNTED SERVICE EQUIPMENT.

NOTES

- SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
- UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
- CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED ON THE PLANS.
- PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
- THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALIC TO NON METALIC ADAPTER, WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
- PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.



SEALING BUSHING DETAIL

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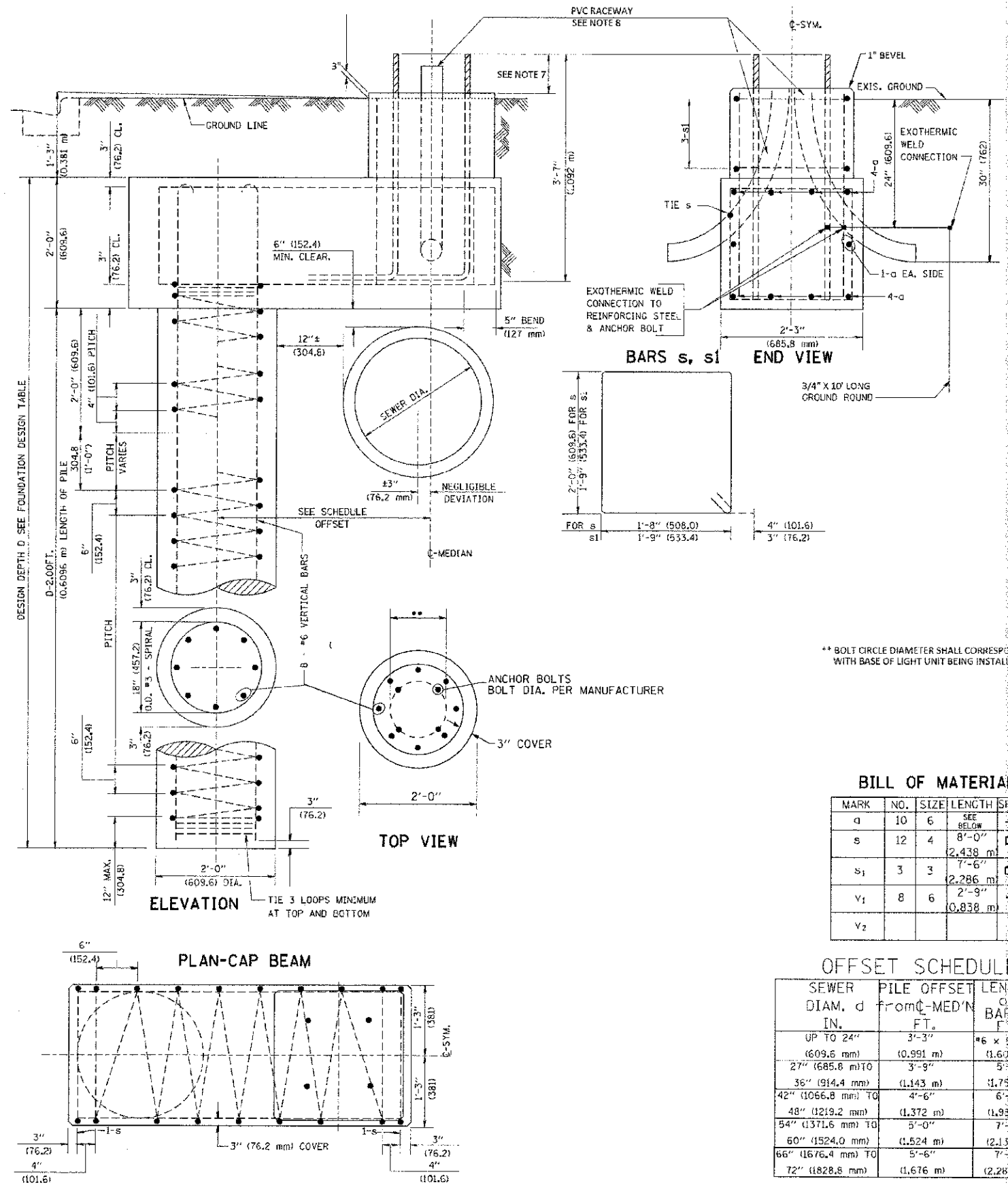
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PLOT SCA F = 50,0000 1/ IN.	CHECKED - DATE -	ME A	REVISED -			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT N-8093 (095)				
PLOT DATE = 1/4/2008	DATE -		REVISED -			BE-228 CONTRACT NO. 63745							

FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT BARS	SPIRAL	VERT BARS	SPIRAL
SOFT CLAY	13'-0" (3.962 m)	15'-0" (4.572 m)	8-#6X12'-6" (3.810 m)	#3X122' (37.186 m)	8-#6X14'-3" (4.343 m)	#3X141' (42.977 m)
MEDIUM CLAY	9'-6" (2.896 m)	10'-9" (3.277 m)	8-#6X9'-0" (2.743 m)	#3X90' (27.432 m)	8-#6X10'-0" (3.048 m)	#3X100' (30.480 m)
STIFF CLAY	7'-0" (2.134 m)	8'-0" (2.438 m)	8-#6X6'-6" (1.981 m)	#3X66' (20.112 m)	8-#6X7'-6" (2.286 m)	#3X76' (23.165 m)
LOOSE SAND	9'-0" (2.743 m)	10'-0" (3.048 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)	8-#6X9'-6" (2.896 m)	#3X94' (28.651 m)
MEDIUM SAND	8'-3" (2.515 m)	9'-0" (2.743 m)	8-#6X8'-0" (2.438 m)	#3X78' (23.774 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
DENSE SAND	7'-9" (2.362 m)	9'-0" (2.743 m)	8-#6X7'-6" (2.286 m)	#3X73' (22.250 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
ROCK OR SOLIDIFIED SLAG	5'-0" (1.524 m)	5'-0" (1.524 m)	NONE	NONE	NONE	NONE

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
- EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" (609.6 mm) OR 30" (762.0 mm) IN DIAMETER.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT BREAKAWAY DEVICE, ANCHOR BOLTS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENTION WITH ENGINEER.
- RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERRECTED.



** BOLT CIRCLE DIAMETER SHALL CORRESPOND WITH BASE OF LIGHT UNIT BEING INSTALLED.

BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	SHAPE
d	10	6	SEE BELOW	—
s	12	4	8'-0" (2,438 m)	□
s ₁	3	3	7'-6" (2,286 m)	□
V ₁	8	6	2'-9" (0,838 m)	—
V ₂				

OFFSET SCHEDULE

SEWER DIAM. d IN.	PILE OFFSET FROM C-MED'N FT.	LENGTH OF BAR d FT.
UP TO 24"	3'-3"	#6 x 5'-3"
27" (609.6 mm) TO	3'-9"	5'-9"
36" (914.4 mm) TO	4'-6"	6'-6"
42" (1066.8 mm) TO	5'-0"	7'-0"
48" (1219.2 mm) TO	5'-6"	7'-6"
54" (1371.6 mm) TO	6'-0"	8'-0"
60" (1524.0 mm) TO	6'-6"	8'-6"
66" (1676.4 mm) TO	7'-0"	9'-0"
72" (1828.8 mm) TO	7'-6"	9'-6"

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 STATE OF ILLINOIS - PROFESSIONAL DESIGNER
 2150 W. MONROE ST., SUITE 100, CHICAGO, IL 60604
 TEL: 312.467.1000 FAX: 312.467.1001



DESIGNED - MWH	REVISED - PER IDCT 10/19/12
DRAWN - UKB	REVISED
CHECKED - RWL	REVISED -
DATE - 06/20/12	FILE - 110994-S-DETAILS-2.SHT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION OFFSET

SCALE: STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4006	95-00049-00-PV	KANE	139	92
CONTRACT NO. 63745			FED. ROAD DIST. NO. 1 (ILLINOIS) FE, A/D PROJECT W-8003 (095)	

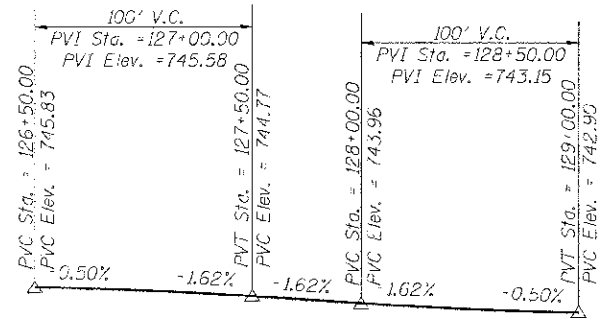
Existing Structure: Cast-in-place Concrete Box Culvert
 approx 5'-0" x 5'-0", length of structure is approx 30'-0".
 See Sheet 2 of Roadway Plans for benchmark information.

WATERWAY INFORMATION

Drainage Area - 640 Acres 1 Sq Mi		Existing Low Grade Elev. 741.62 @ Sta. 129+79		Proposed Low Grade Elev. 741.86 @ Sta. 131+25	
Flood	Freq. (yr)	Q (cfs)	Opening Sq. Ft.	Natural H.W.E.	Created Headwater El.
	10	237	22.2	741.98	740.69
Design	50	375	23.4	742.18	741.81
Base	100	429	23.7	742.22	742.13
Max. Calc.	500	558	24.1	742.29	742.79

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	East Ftg. West Ftg.
	731.83 731.83



PROFILE GRADE

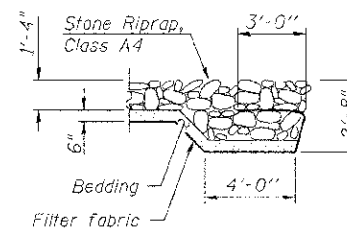
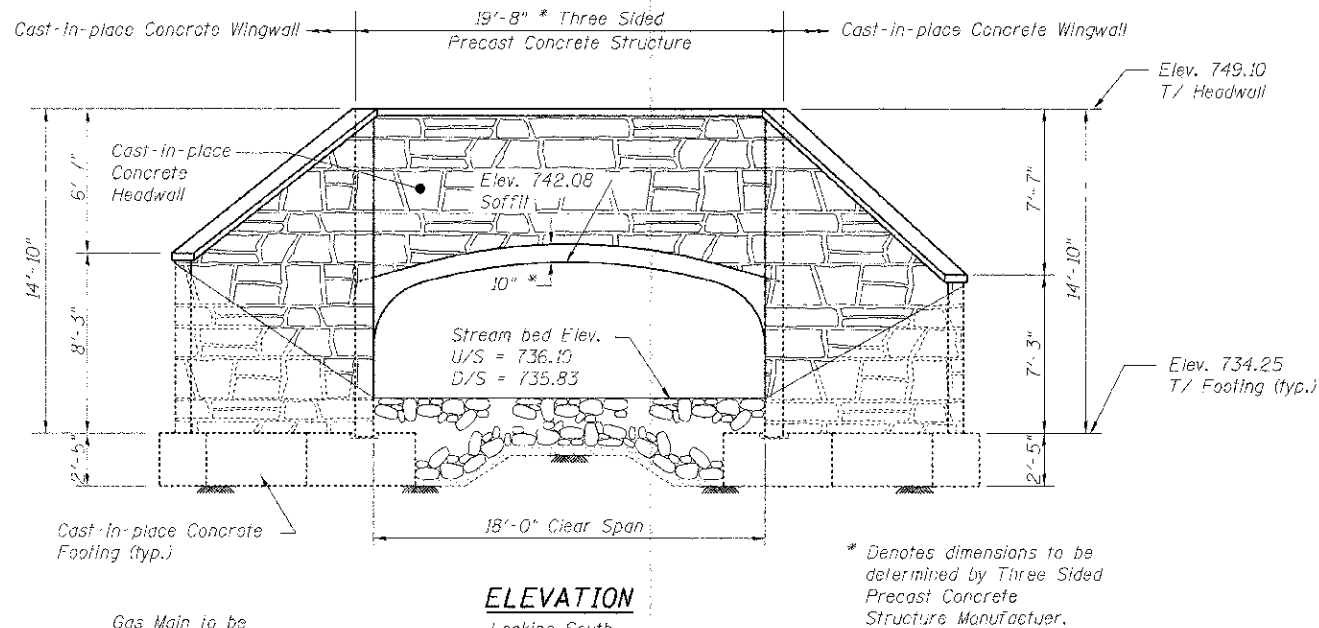
Along E Roadway

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Stone Riprap, Class A4	Sq Yd	385
Filter Fabric	Sq Yd	385
Removal of Existing Structures	Each	1
Concrete Structures	Cu Yd	179.2
Form Liner Textured Surface	Sq Ft	1204
Reinforcement Bars	Pound	12,350
Reinforcement Bars, Epoxy Coated	Pound	900
Concrete Surface Color Treatment	Sq Ft	1204
Three Sided Precast Concrete Structure, 18' x 8'	Foot	100

GENERAL NOTES

Precast footing, wingwall and headwall options are not allowed. Maximum applied service bearing pressure, G_{max} = 2,500 PSF. The foundation design is based on the following maximum unfactored reactions applied at the top of the footing: V_{max} = 12.24k/ft.; H_{max} = 1.43k/ft. The Contractor shall verify that the selected structure meets these design parameters. If the design parameters are exceeded, a complete foundation design with calculations, details, and the required seals shall be submitted for review and approval. Reinforcement bars designated (E) shall be epoxy coated. Refer to Specifications for Geotechnical Report. See Sheet 2 of 3 for Storm Sower penetrations thru precast structure. Stream diversion and excavation dewatering will not be paid for separately, but shall be considered incidental to the pay item Three Sided Precast Concrete Structure, 18' x 8'. See Special Provisions. Refer to Geotechnical Report for Soil Borings and other additional information.



SECTION A-A

INDEX OF SHEETS

- General Plan and Elevation
- Details and Footing Plan
- Headwall and Wingwall Details

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

2012 AASHTO LRFD Bridge Design Specifications

DESIGN STRESSES

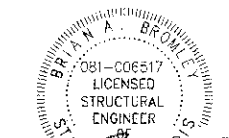
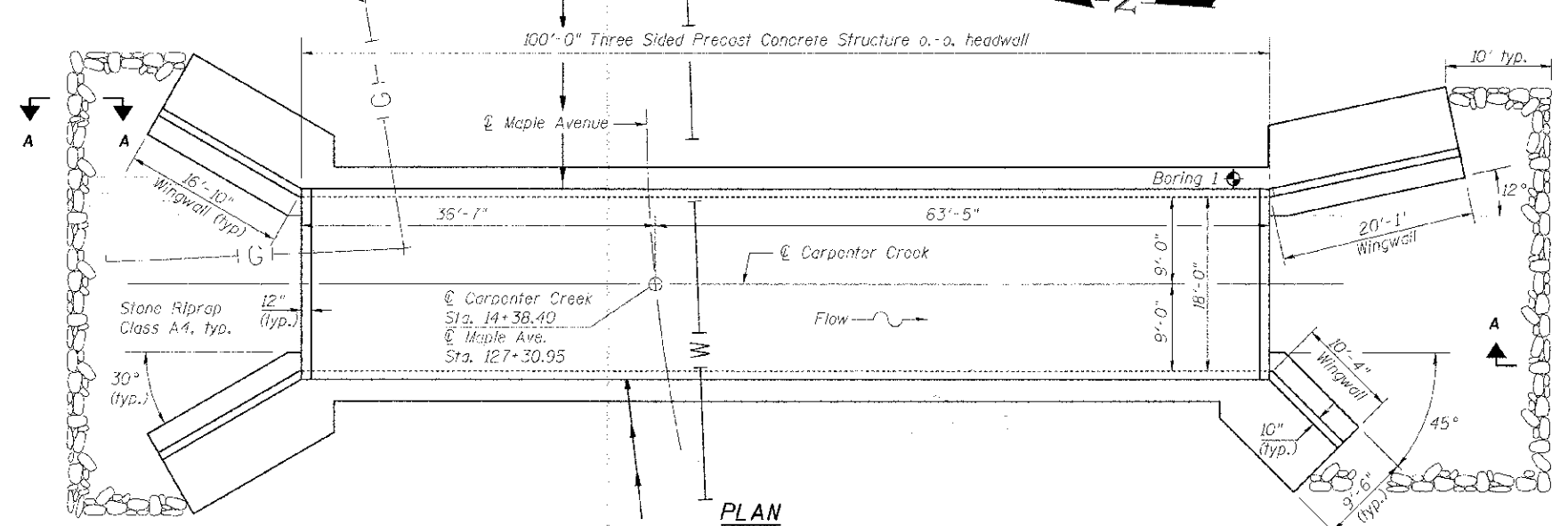
FIELD UNITS **PRECAST UNITS**
 f'_c = 3,500 psi f'_c = 5,500 psi
 f_y = 60,000 psi (Reinforcement) f_y = 60,000 psi (Reinforcement)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
 Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.083g
 Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.145g
 Soil Site Class = D

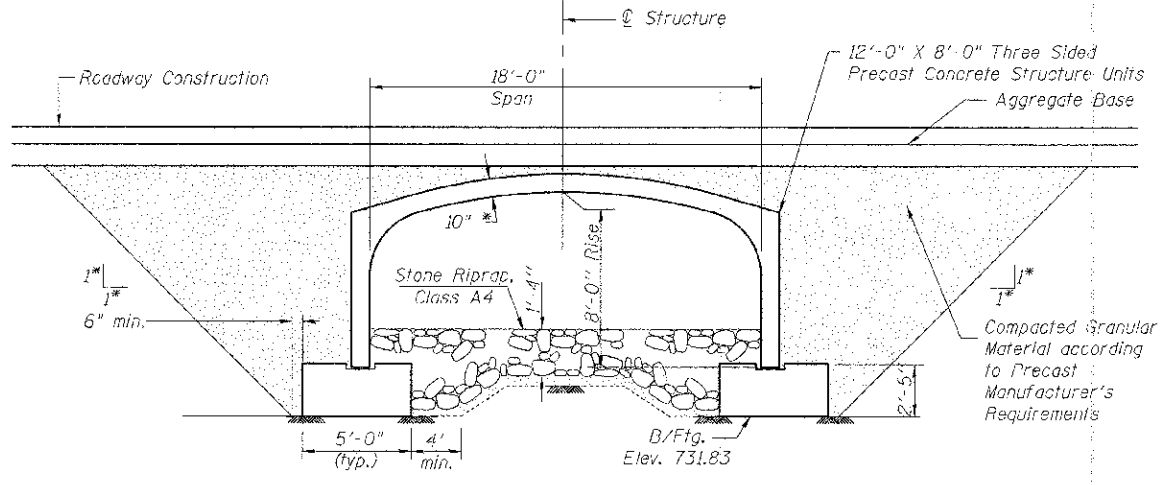
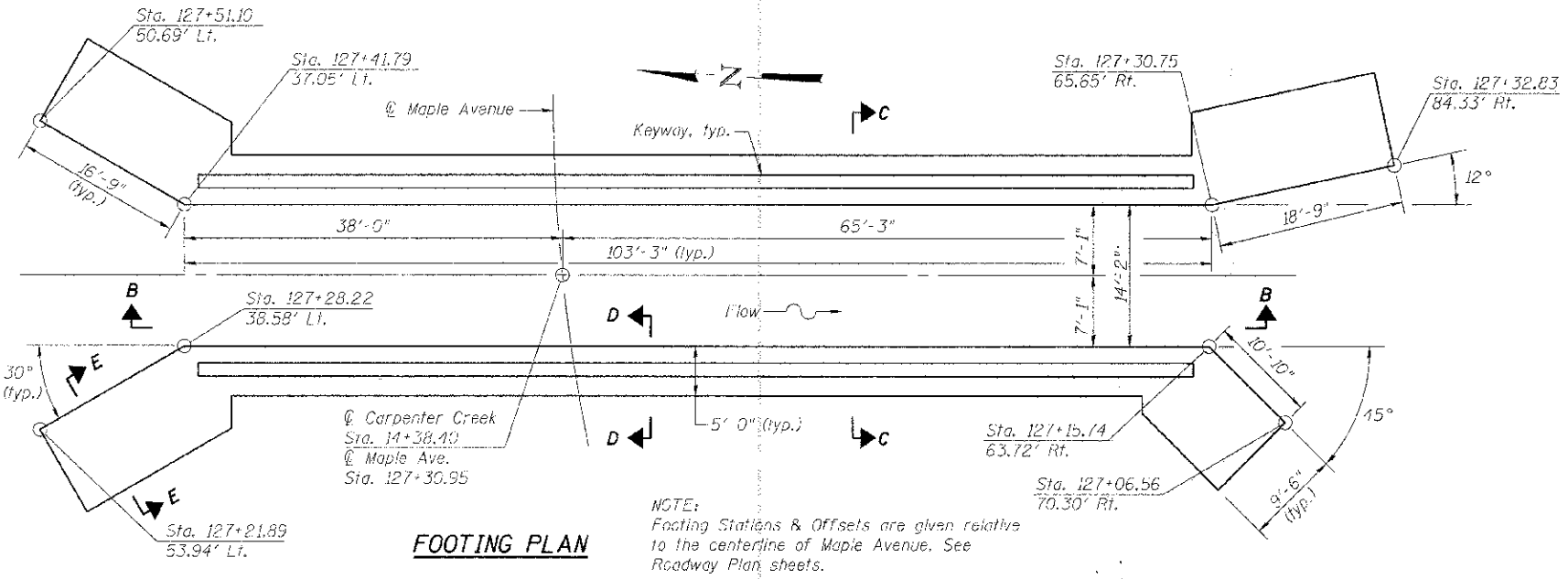
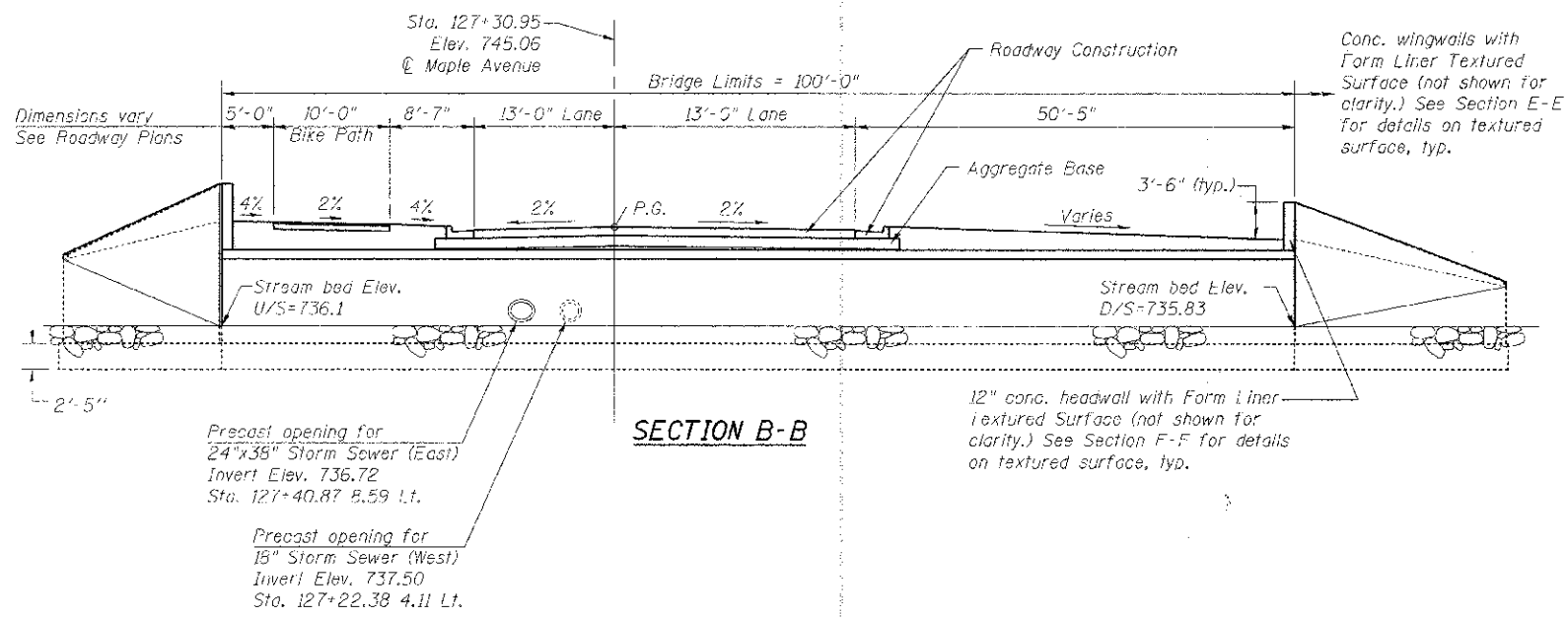
MATERIALS

Precast Concrete Three Sided Structure Units shall be Designed, Constructed, and Installed in Accordance with Manufacturer Specifications. The Structure shown on the Drawings is for general arrangement purposes only. (See Special Provisions)

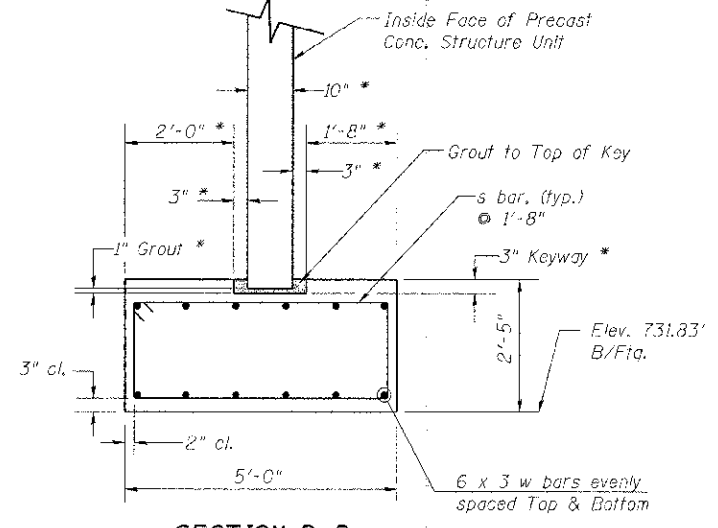


DATE: *11/30/14*
 LICENSE EXPIRES 11/30/14

I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with the requirements of the current AASHTO LRFD Bridge Design Specifications.



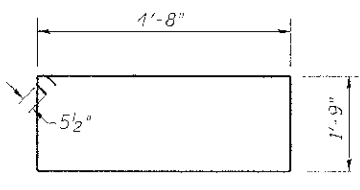
* Denotes dimensions to be determined by Three Sided Precast Concrete Structure Manufacturer.



Min. lap length for #6 bar = 3'-7"

Bars indicated thus 6 x 3 etc. indicates two lines of bars with three lengths per line.

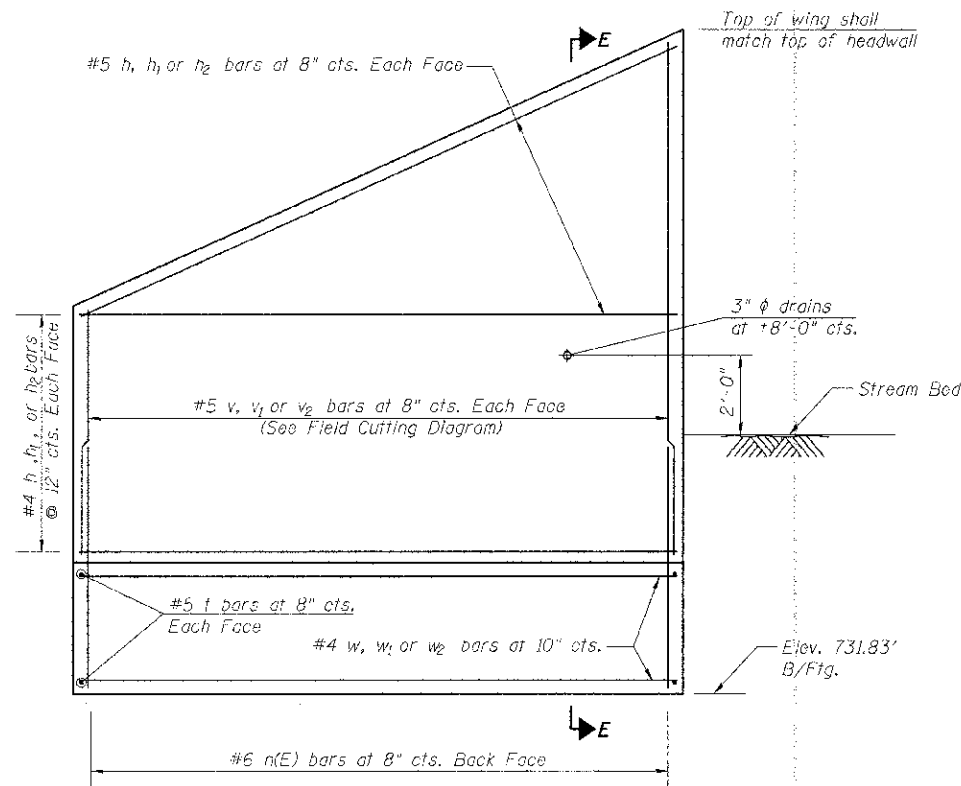
NOTE: Fill entire Keyway including 1" void between Bottom of Keyway and Bottom of Precast Concrete leg with Grout



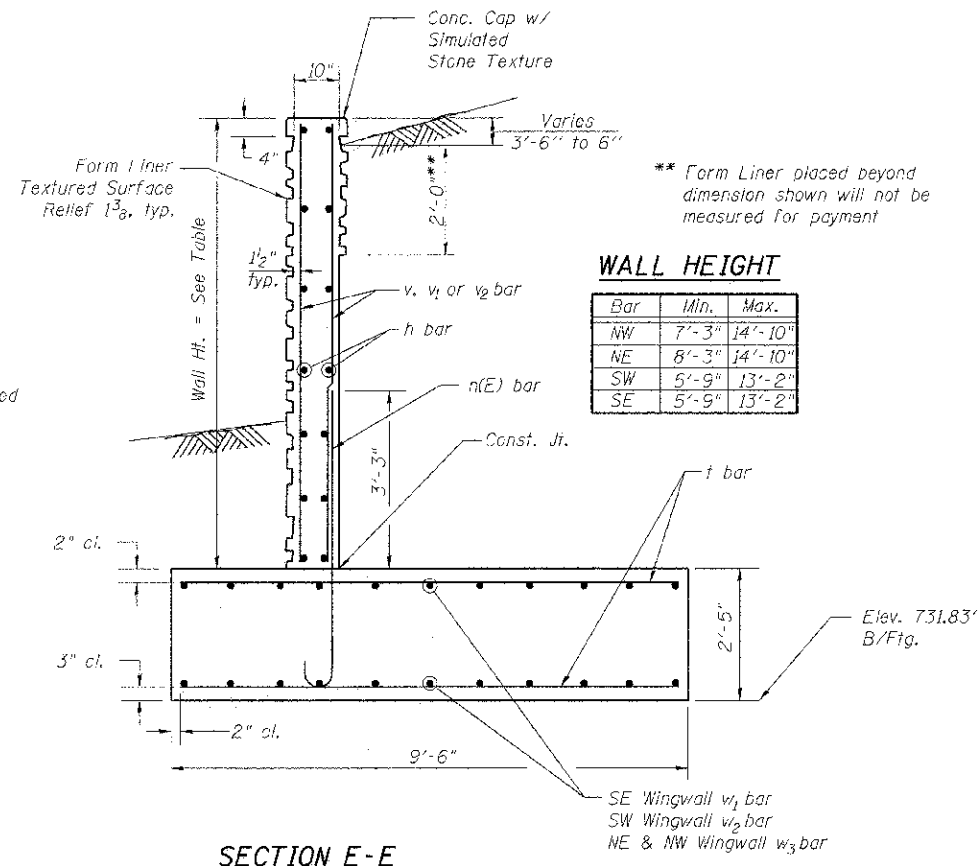
FOOTINGS
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
n(E)	98	#6	6'-1"	—
s	126	#5	13'-9"	□
f	198	#5	9'-2"	—
w	72	#6	36'-8"	—
w1	48	#4	16'-5"	—
w2	24	#4	18'-5"	—
w3	24	#4	10'-6"	—
Concrete Structures		Cu Yd	141.7	
Reinforcement Bars		Pound	8,660	
Reinforcement Bars, Epoxy Coated		Pound	900	

See Sheet 3 of 3 for Headwalls and Wingwalls.



TYPICAL WINGWALL ELEVATION



SECTION E-E

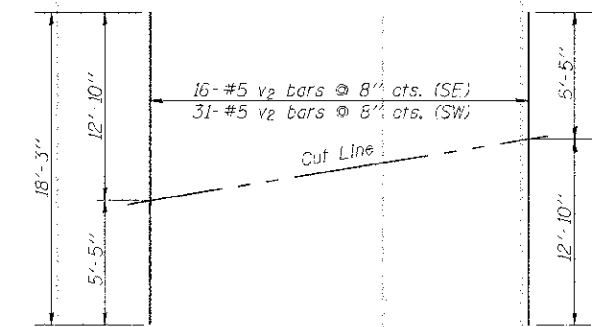
WALL HEIGHT

Bar	Min.	Max.
NW	7'-3"	14'-10"
NE	8'-3"	14'-10"
SW	5'-9"	13'-2"
SE	5'-9"	13'-2"

**HEADWALLS AND WINGWALLS
BILL OF MATERIAL**

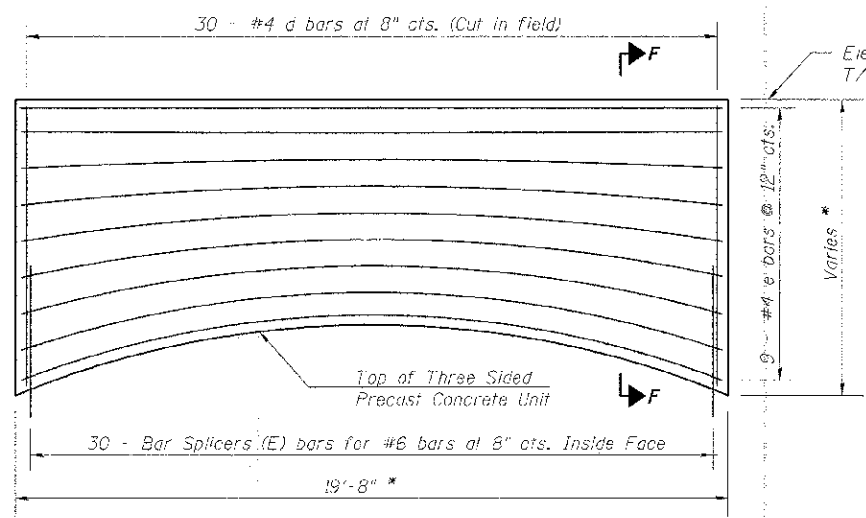
Bar	No.	Size	Length	Shape	
d	120	#4	7'-8"		
e	36	#4	19'-4"		
h	64	#4	16'-6"		
h1	28	#4	19'-9"		
h2	28	#4	10'-0"		
v	26	#4	21'-5"		
v1	26	#4	22'-5"		
v2	47	#4	18'-3"		
Concrete Structures				Cu Yd	37.5
Reinforcement Bars				Pound	3,690
Form Liner Textured Surface				Sq Ft	1,204
Concrete Surface Color Treatment				Sq Ft	1,204

See Sheet 2 of 3 for Footings.



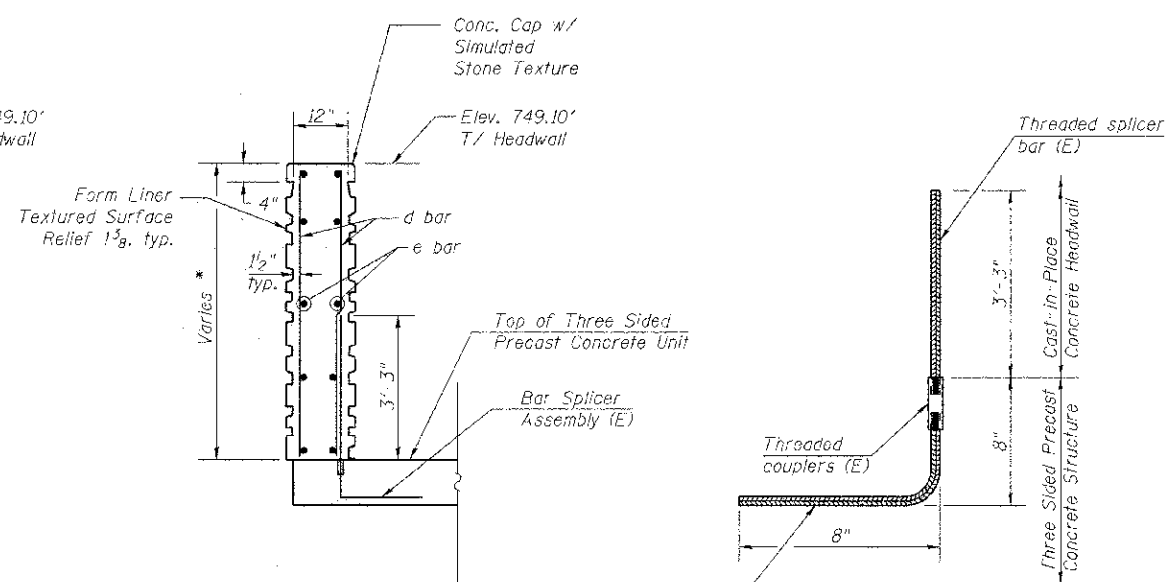
FIELD CUTTING DIAGRAM

Order v2 full length and cut as shown.

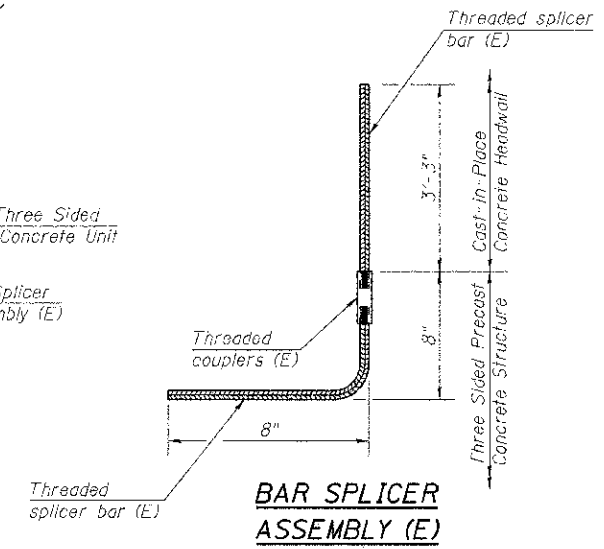


HEADWALL ELEVATION

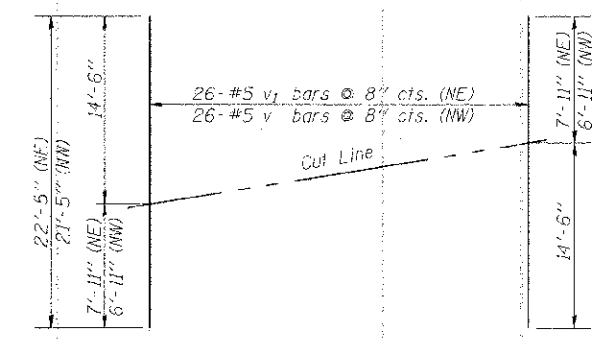
Notes: Cost of bar splicers in headwall is included in the cost of Three Sided Precast Concrete Structure. Work this sheet with Sheet 2 of 3.



SECTION F-F

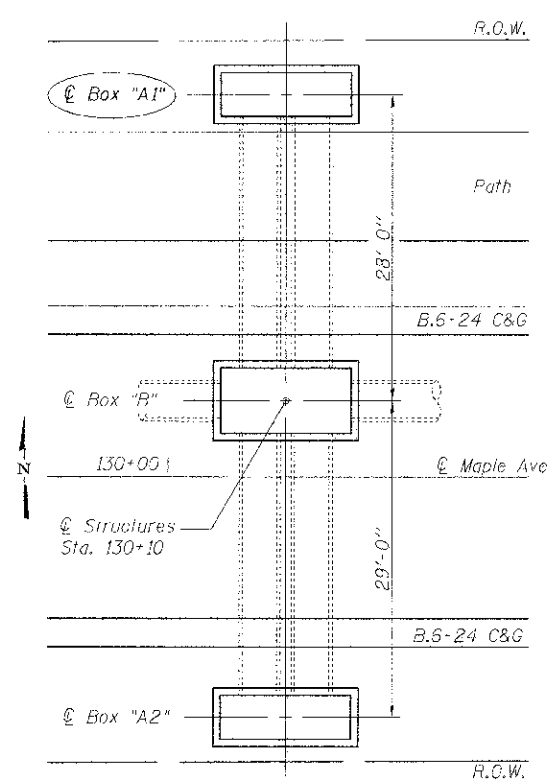


BAR SPLICER ASSEMBLY (E)

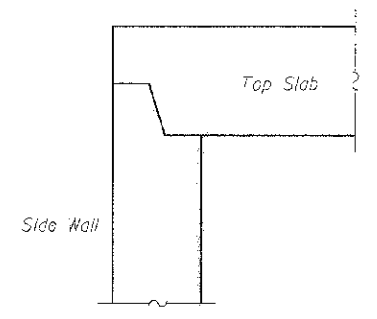


FIELD CUTTING DIAGRAM

Order v & v1 full length and cut as shown.



LOCATION SKETCH



DETAIL A

GENERAL NOTES

Minimum top slab, side wall and bottom slab thicknesses given, may be increased as needed by precast manufacturer. Rim and Invert elevations shall not be altered without Engineer's approval.

Top Slabs shall be precast as a separate unit, then place after pipe connection.

All Installation methods, including backfilling requirements, shall be according to the precast manufacturer's recommendations.

Excavation, backfilling, frames, grates, lids, and all other work necessary to complete the work as shown will not be measured for payment, but shall be considered included with the cost of Drainage Structures, No. 1.

Adjusting rings, frames, lids and grates shall be installed in accordance with the applicable portions of Section 602 and 604 of the Standard Specifications.

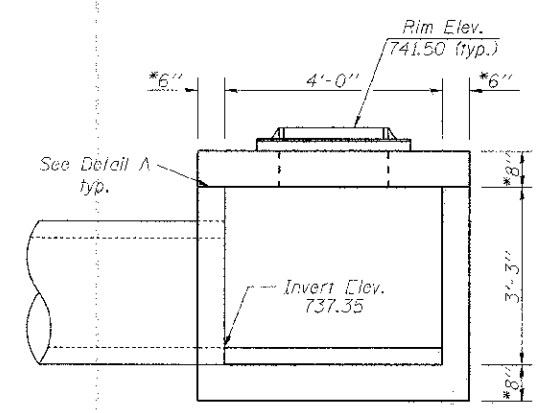
Maximum applied service bearing pressure, $Q_{max} = 2,500$ PSF

See Special Provisions for design and detailing requirements.

DESIGN SPECIFICATIONS
 2010 AASHTO LRFD Bridge Design Specifications with 2011 and 2012 Interims

CONSTRUCTION SPECIFICATIONS
 IDOT: "Standard Specifications for Road and Bridge Construction", Adopted January 1, 2012 and Supplemental Specifications and Recurring Special Provisions", Adopted January 1, 2012 by the Illinois Department of Transportation.

SEISMIC DATA
 Seismic Performance Zone (SPZ) = 1
 Design Spectral Acceleration at 1.0 sec. (S_{01}) = 0.083g
 Design Spectral Acceleration at 0.2 sec. (S_{05}) = 0.145g
 Soil Site Class = D



SECTION B-B

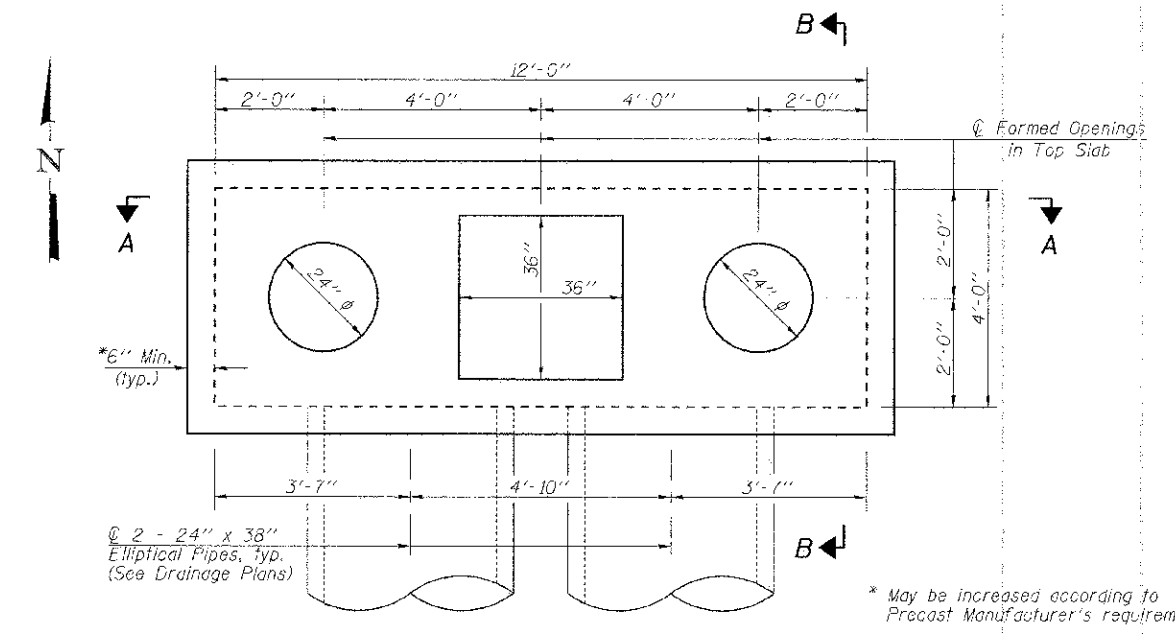
LOADING HL-93
 Allow 50#/sq. ft. for future wearing surface.

MATERIALS

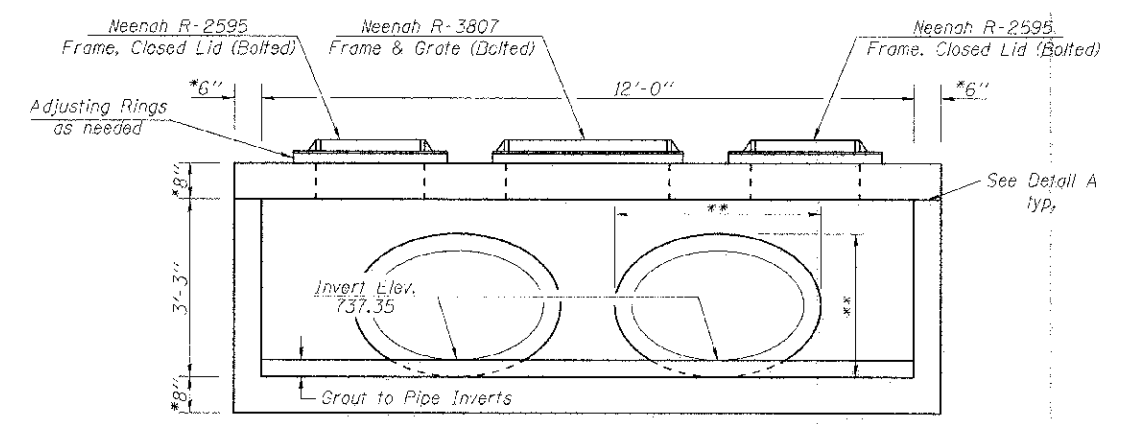
Precast Concrete Drainage Structure shall be Designed, Constructed, and Installed in Accordance with Manufacturer Specifications. The Structure shown on the Drawings is for general arrangement purposes only. (See Special Provisions)

BILL OF MATERIAL

Item	Unit	Quantity
Drainage Structures, No. 1	Each	1



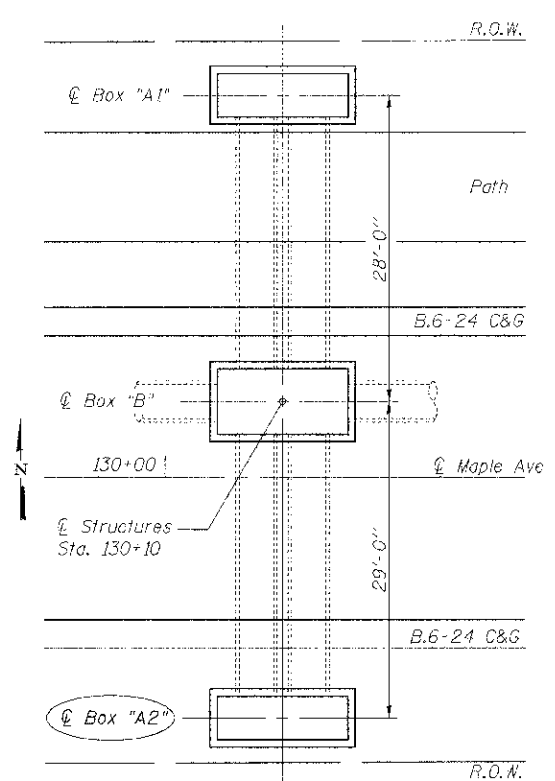
PLAN



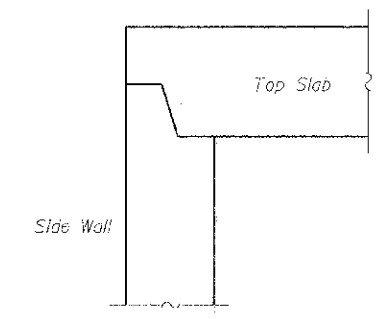
SECTION A-A

** Coordinate size of formed openings with out-to-out dimensions specified by Pipe Manufacturer.

FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PRECAST CONCRETE DRAINAGE STRUCTURES BOX "A1"	F.A.J. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE =	CHECKED -	REVISED -			4006	95-00049-00-PV	KANE	138	96	
	PLOT DATE =	DRAWN -	REVISED -			CONTRACT NO. 63745					
		CHECKED -	REVISED -			SHEET NO. 1 OF 1 SHEETS					



LOCATION SKETCH



DETAIL A

GENERAL NOTES

Minimum top slab, side wall and bottom slab thicknesses given, may be increased as needed by precast manufacturer. Rim and Invert elevations shall not be altered without Engineer's approval.

Top Slabs shall be precast as a separate unit, then place after pipe connection.

All installation methods, including backfilling requirements, shall be according to the precast manufacturer's recommendations.

Excavation, backfilling, frames, grates, lids, and all other work necessary to complete the work as shown will not be measured for payment, but shall be considered included with the cost of Drainage Structures, No. 1.

Adjusting rings, frames, lids and grates shall be installed in accordance with the applicable portions of Section 602 and 604 of the Standard Specifications.

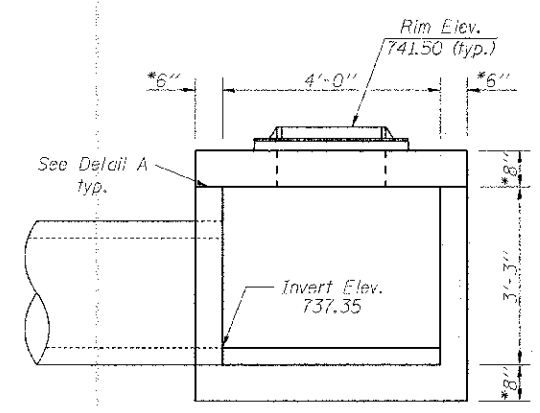
Maximum applied service bearing pressure, Q_{max} = 2,500 PSF

See Special Provisions for design and detailing requirements.

DESIGN SPECIFICATIONS:
2010 AASHTO LRFD Bridge Design Specifications with 2011 and 2012 Interims

CONSTRUCTION SPECIFICATIONS
IDOT: "Standard Specifications for Road and Bridge Construction", Adopted January 1, 2012 and Supplemental Specifications and Recurring Special Provisions", Adopted January 1, 2012 by the Illinois Department of Transportation.

SEISMIC DATA
Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.085g
Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.145g
Soil Site Class = D



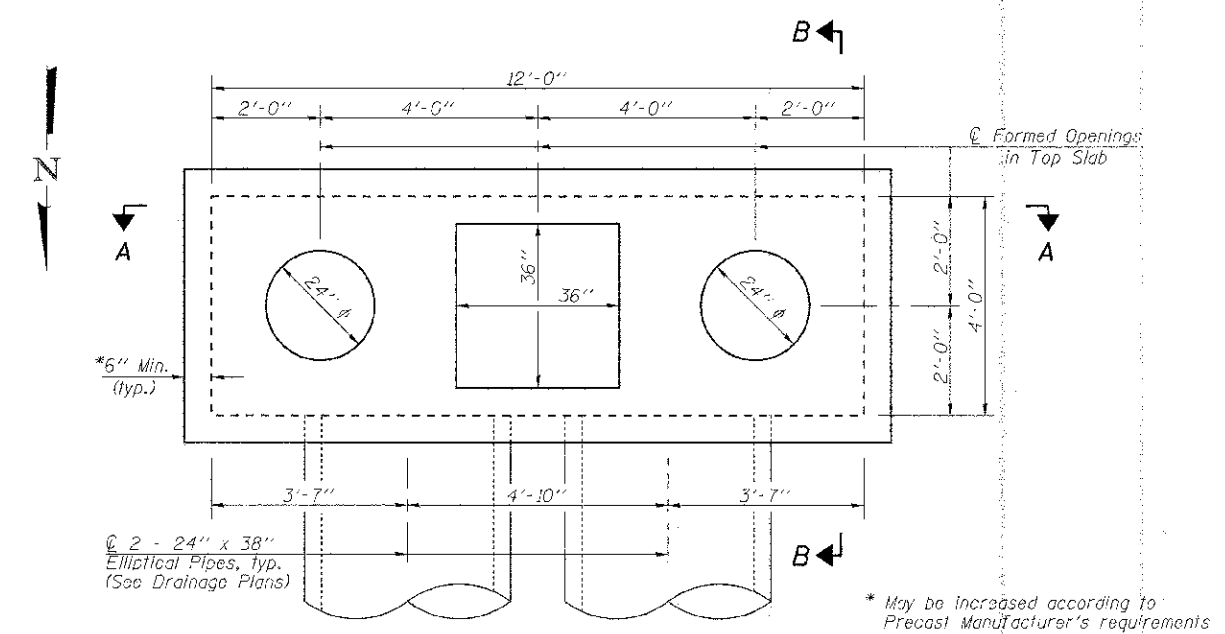
SECTION B-B

LOADING HL-93
Allow 50#/sq. ft. for future wearing surface.

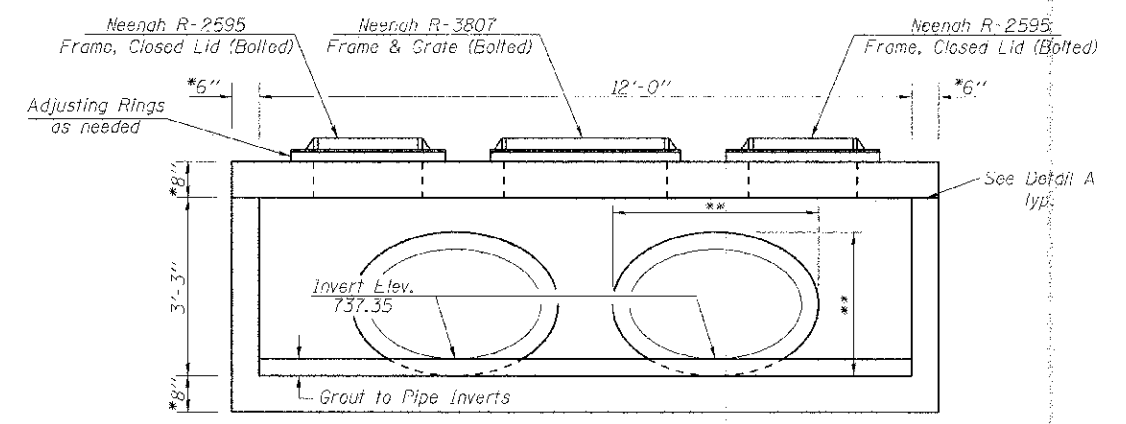
MATERIALS
Precast Concrete Drainage Structure shall be Designed, Constructed, and Installed in Accordance with Manufacturer Specifications. The Structure shown on the Drawings is for general arrangement purposes only. (See Special Provisions)

BILL OF MATERIAL

Item	Unit	Quantity
Drainage Structures, No. 1	Each	1



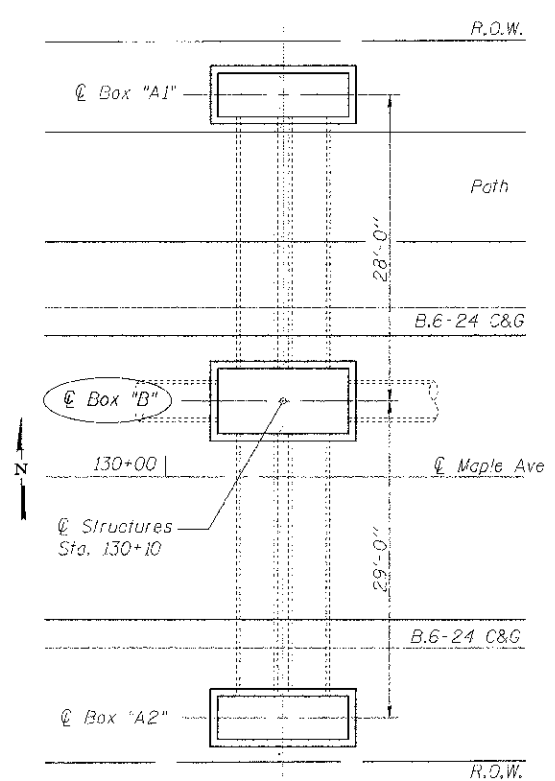
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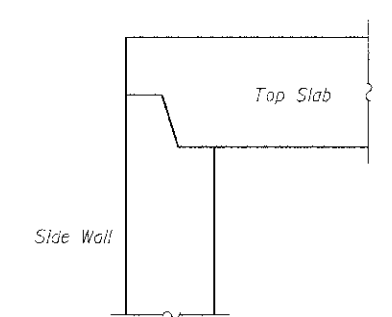
SECTION A-A

** Coordinate size of formed openings with out-to-out dimensions specified by Pipe Manufacturer.

FILE NAME	USER NAME	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PRECAST CONCRETE DRAINAGE STRUCTURES BOX "A2"	FILE NO.	SECTION	COUNTY	TOTAL SHEETS	
		CHECKED -	REVISED -			4006	95-00049-00-BV	KANE	138	
PLOT SCALE		DRAWN -	REVISED -			CONTRACT NO. 63745				
PLOT DATE		CHECKED -	REVISED -			SHEET NO. 1 OF 1 SHEETS				



LOCATION SKETCH



DETAIL A

GENERAL NOTES

Minimum top slab, side wall and bottom slab thicknesses given, may be increased as needed by precast manufacturer. Pavement and Invert elevations shall not be altered without Engineer's approval.

Top Slabs shall be precast as a separate unit, then place after pipe connection.

All installation methods, including backfilling requirements, shall be according to the precast manufacturer's recommendations.

Excavation, backfilling, frames, lids, and any all other work necessary to complete the work as shown will not be measured for payment, but shall be considered included with the cost of Drainage Structures, No. 2.

Adjusting rings, frames, lids and grates shall be installed in accordance with the applicable portions of Section 602 and 604 of the Standard Specifications.

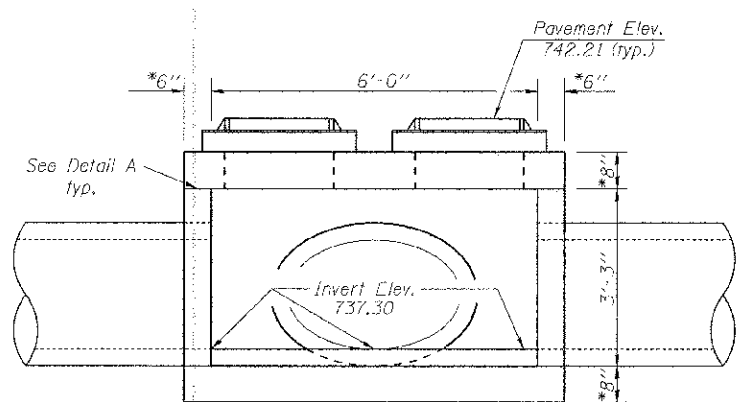
Maximum applied service bearing pressure, $Q_{max} = 2,500$ PSF

See Special Provisions for design and detailing requirements.

DESIGN SPECIFICATIONS
2010 AASHTO LRFD Bridge Design Specifications with 2011 and 2012 Interims

CONSTRUCTION SPECIFICATIONS
IDOT: "Standard Specifications for Road and Bridge Construction", Adopted January 1, 2012 and Supplemental Specifications and Recurring Special Provisions", Adopted January 1, 2012 by the Illinois Department of Transportation.

SEISMIC DATA
Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.083g
Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.145g
Soil Site Class = D



SECTION B-B

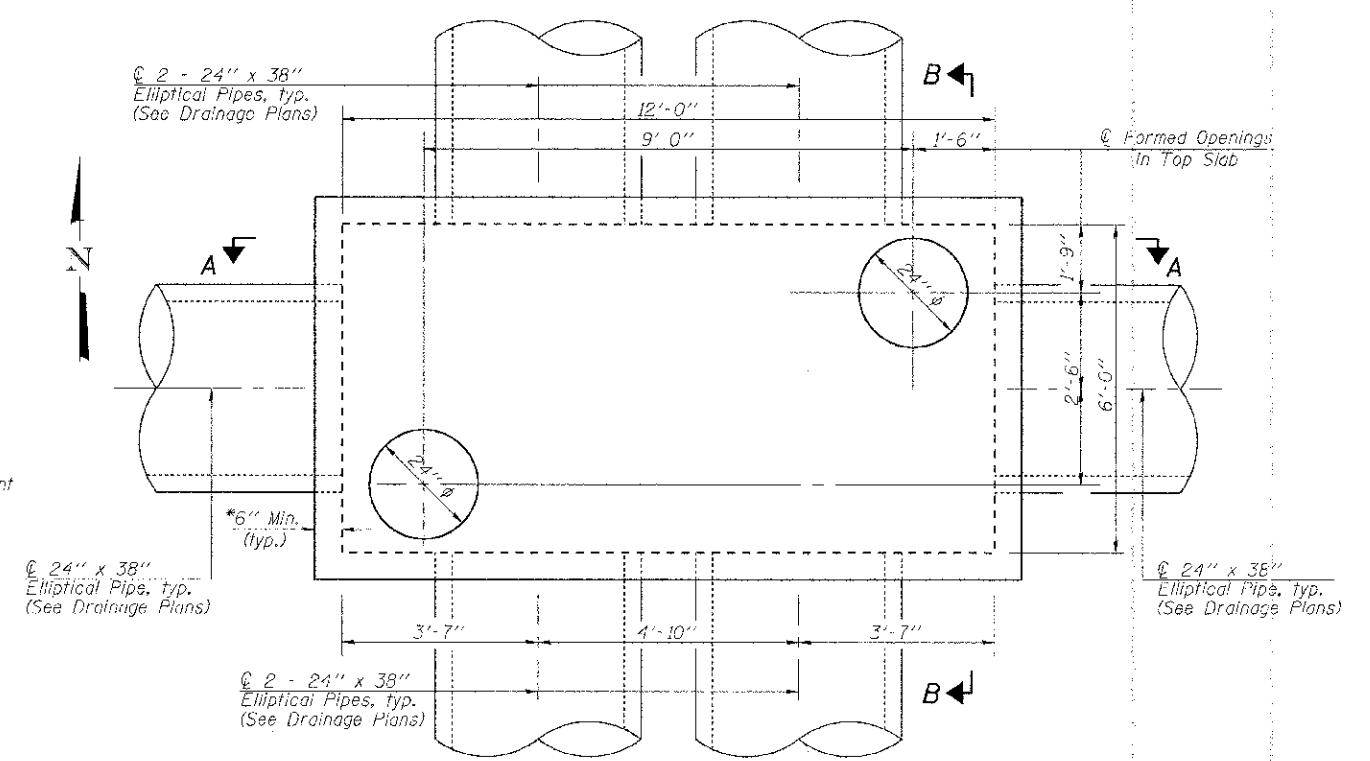
LOADING HL-93
Allow 50#/sq. ft. for future wearing surface.

MATERIALS

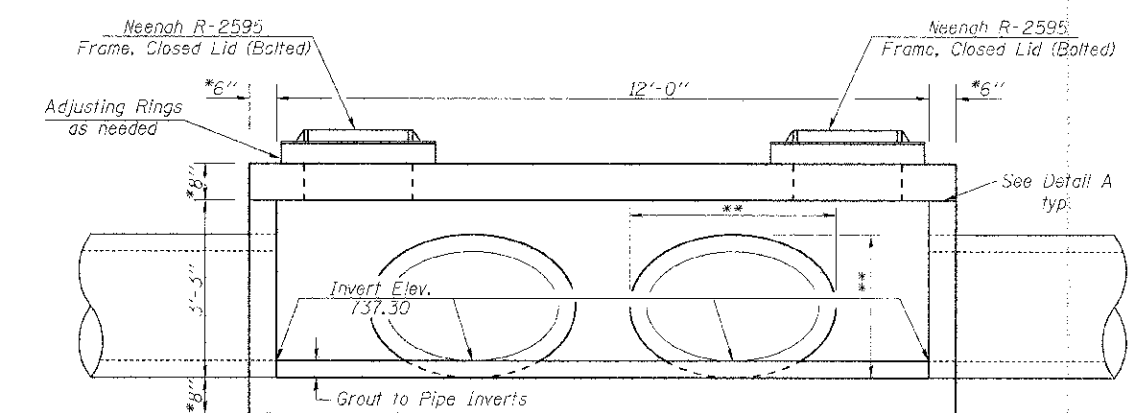
Precast Concrete Drainage Structure shall be Designed, Constructed, and Installed in Accordance with Manufacturer Specifications. The Structure shown on the Drawings is for general arrangement purposes only. (See Special Provisions)

BILL OF MATERIAL

Item	Unit	Quantity
Drainage Structures, No. 2	Each	1



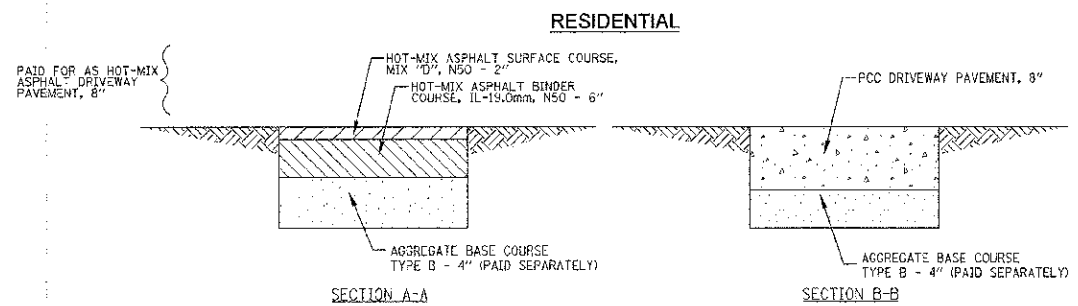
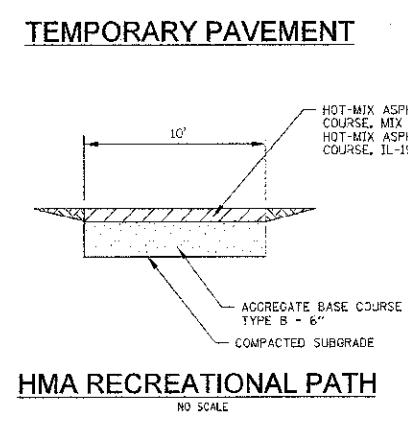
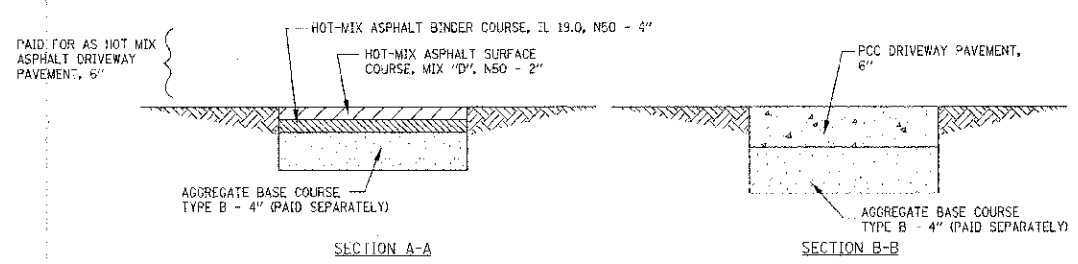
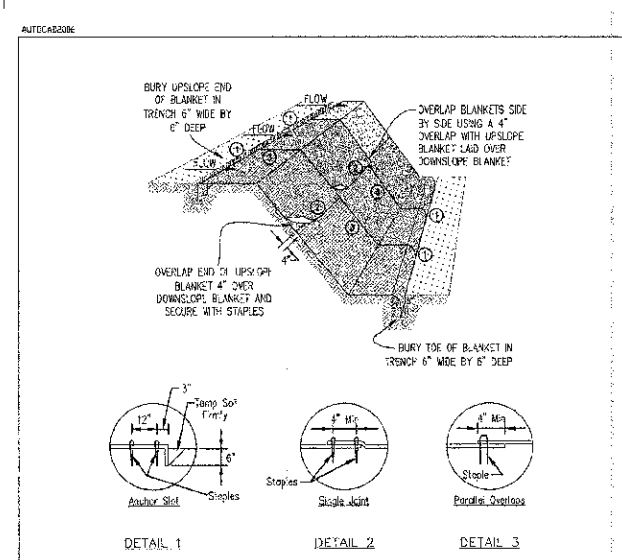
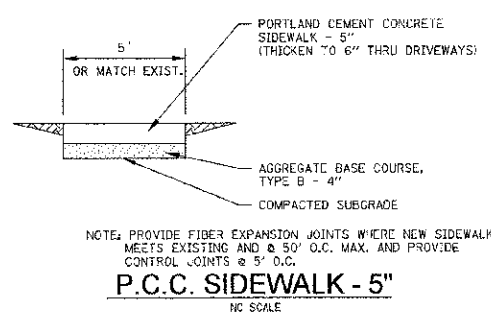
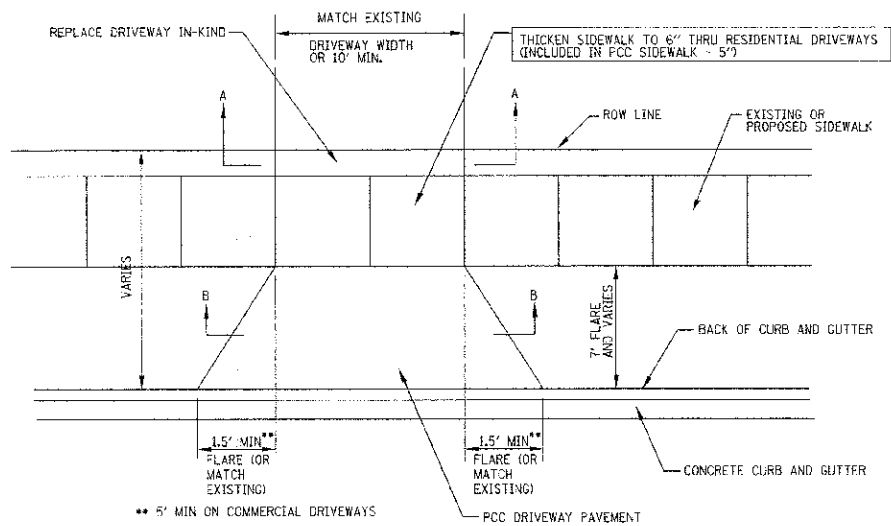
PLAN



SECTION A-A

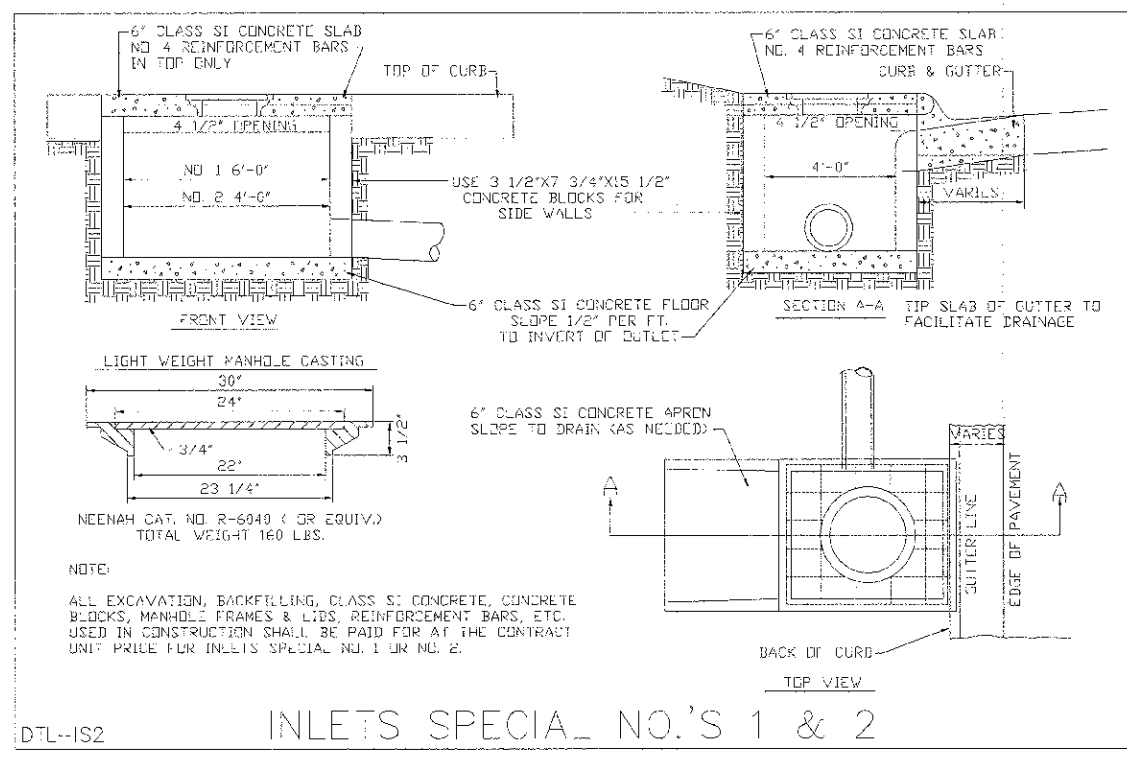
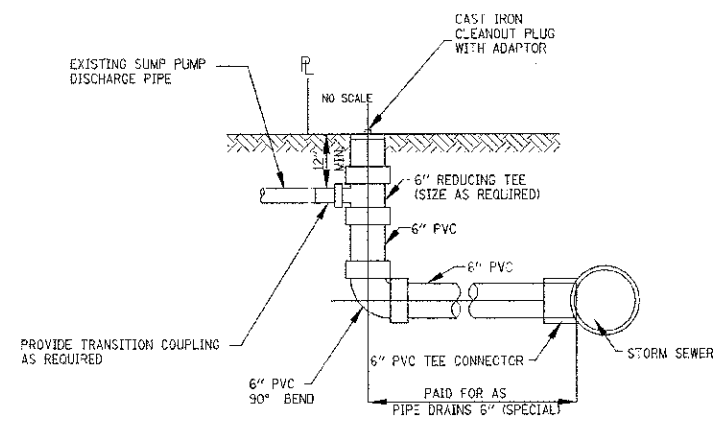
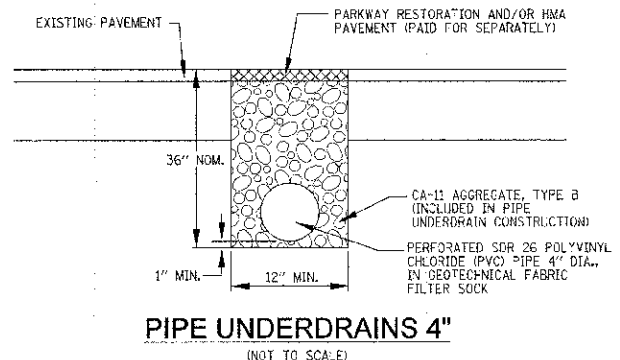
* May be increased according to Precast Manufacturer's requirements

** Coordinate size of formed openings with out-to-out dimensions specified by Pipe Manufacturer.



NOTES:

- Staples shall be placed in a diamond pattern at 2 per sq. ft. for erosion blankets. Non-stitched shall use 4 staples per sq. ft. of material. This equals to 200 staples with stitched blanket and 400 staples with non-stitched blanket per 100 sq. ft. of material.
- Staple or push pin lengths shall be selected based on soil type and conditions. (minimum staple length = 6")
- Erosion control material shall be placed in contact with the soil over a prepared seedbed.
- All anchor stakes shall be staked at approximately 12" intervals.



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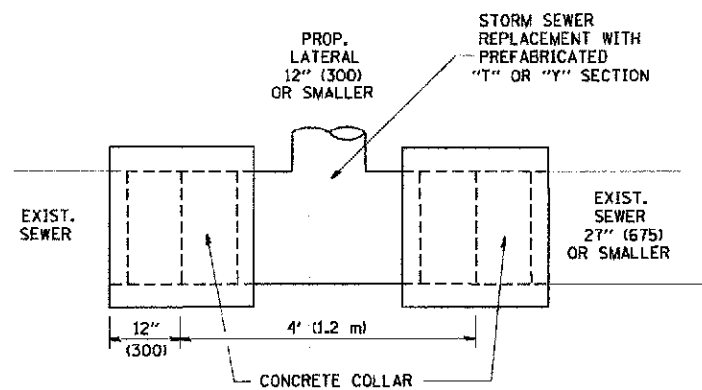
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DRAWN - LKB	REVISED -
CHECKED - RWL	REVISED -
DATE - 06/20/12	FILE - 110994-Details.snt

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

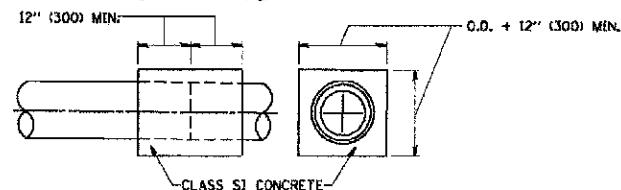
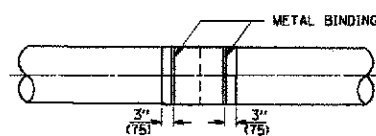
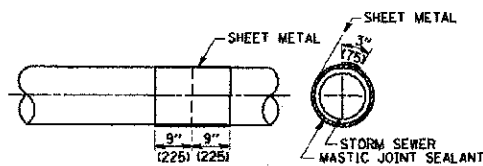
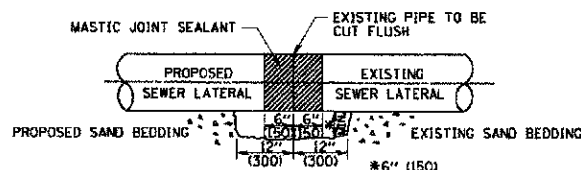
MISCELLANEOUS DETAILS

SCALE: NONE STA. TO STA.

F.A.U. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4006	95-00049-00-PV	KANE	138	99
CONTRACT NO. 63745			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT #-8003 (096)	



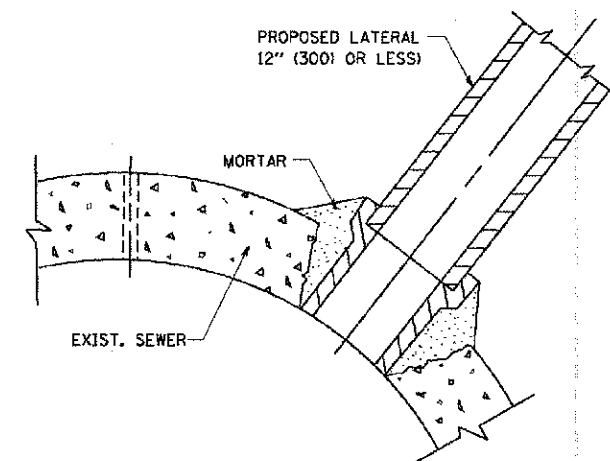
DETAIL "A"
LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER



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

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

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

GENERAL

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

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

BASIS OF PAYMENT

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

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

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 CHICAGO, IL 60606

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		DRAWN -	REVISED - R. SHAH 09-09-94
		CHECKED -	REVISED - R. SHAH 10-25-94
		DATE - 07-25-90	REVISED - R. SHAH 06-12-96

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4006	95-00049-00-PV	KANE	138	100
BD500-01 (BD-7)			CONTRACT NO. 63745	
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT M-8003 (095)				