

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1551	14-00215-05-RS	DUPAGE	58	1
		ILLINOIS	CONTRACT NO. 61C08	

PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY

FOR INDEX OF SHEETS, SEE SHEET NO. 2

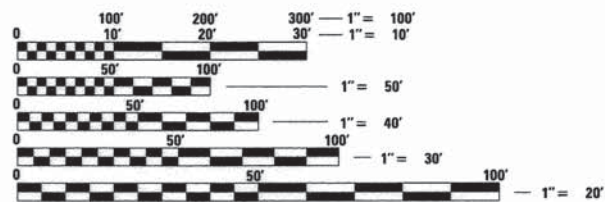
COUNTY HIGHWAY 31  
PLAINFIELD ROAD FAU ROUTE 1551  
MANNING ROAD TO CASS AVE  
SECTION 14-00215-05-RS  
PROJECT M-4003 (337)  
RESURFACING AND TRAFFIC SIGNAL MODERNIZATION  
CITY OF DARIEN  
DuPAGE COUNTY



DESIGN DESIGNATION

PLAINFIELD ROAD  
FUNCTIONAL CLASSIFICATION: MINOR ARTERIAL  
POSTED SPEED: 40 MPH  
EXISTING ADT: 20,600 (2013)

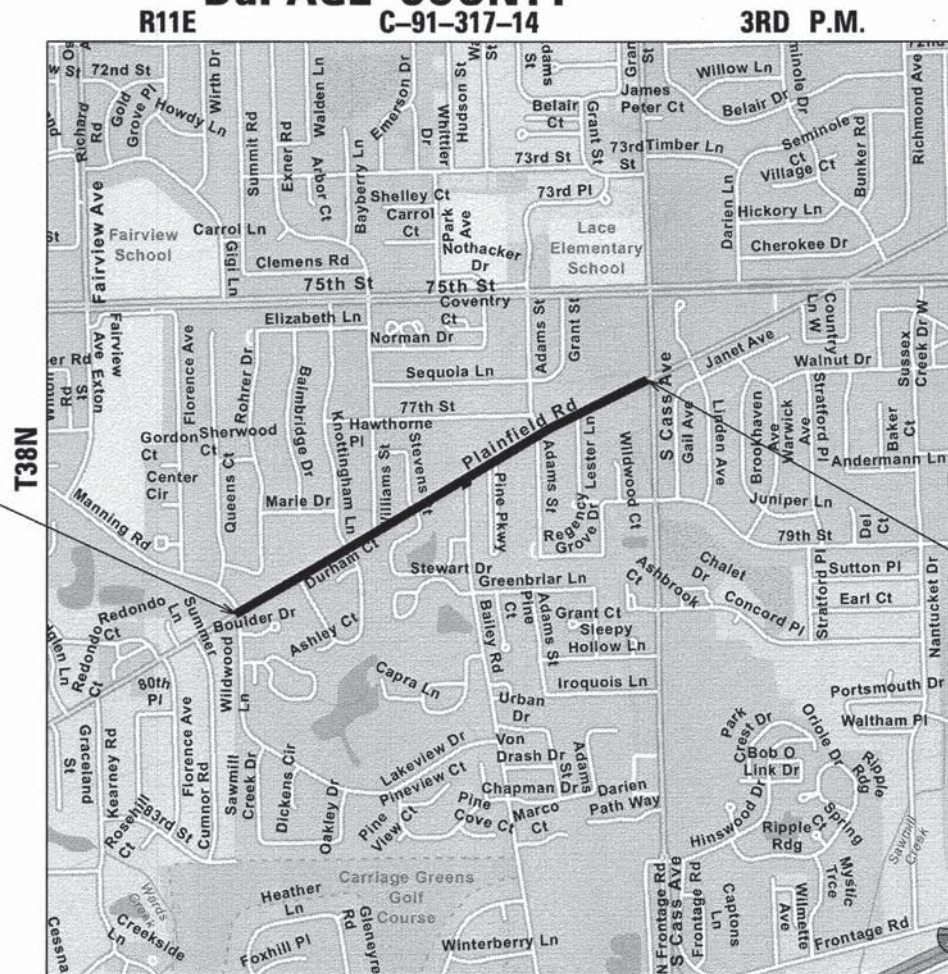
BAILEY ROAD  
FUNCTIONAL CLASSIFICATION: LOCAL ROAD  
POSTED SPEED: 25 MPH  
EXISTING ADT: 4,500 (2013)



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

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

CONTRACT NO. 61C08



PROJECT BEGINS  
STA. 110 + 42

PROJECT ENDS  
STA. 153 + 05

**CB**  
9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500



PLANS PREPARED BY  
CHRISTOPHER B. BURKE ENGINEERING LTD.  
FOR CHRISTOPHER C. SNYDER, P.E.  
COUNTY ENGINEER  
DUPAGE COUNTY DIVISION OF TRANSPORTATION

LOCATION MAP  
N.T.S.  
DOWNERS GROVE TOWNSHIP  
GROSS LENGTH = 4263 FT. = 0.8074 MILE  
NET LENGTH = 4263 FT. = 0.8074 MILE



October 12, 2015  
*Mark B. Thomas*  
MARK B. THOMAS  
EXPIRATION DATE: 11/30/15

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

APPROVED *October 2nd*, 2015  
*Christopher Snyder*  
DUPAGE COUNTY DIVISION OF TRANSPORTATION, COUNTY ENGINEER

PASSED *OCTOBER 16*, 2015  
*Chelt...*  
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID  
BASED ON LIMITED  
REVIEW *October 16*, 2015  
*John For...*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

FEDERAL AID PROGRAM ENGINEER: FAWAD AQUEEL, PE, PTOE, (847)-705-4021, SCHAUMBURG, IL

**GENERAL NOTES**

**INDEX OF SHEETS**

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, LISTING OF HIGHWAY STANDARDS, GENERAL NOTES
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55-58	CROSS SECTIONS

**LIST OF HIGHWAY STANDARDS**

NUMBER	STANDARD
000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-08	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-09	DIAGONAL CURB RAMPS FOR SIDEWALKS
424026-01	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
602001-02	CATCH BASIN TYPE A
602301-04	INLET - TYPE A
602401-03	MANHOLE TYPE A
602601-03	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-04	FRAME AND LIDS TYPE 1
604086-03	FRAME AND GRATE TYPE 23
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701101-04	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701427-03	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS < 40 MPH
701502-06	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-05	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-04	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
814006-02	DOUBLE HANDHOLES
838001	BREAKAWAY DEVICES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877001-05	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-10	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS

**DISTRICT ONE STANDARD DRAWINGS**

BD-22	PAVEMENT PATCH FOR HMA SURFACED PAVEMENT
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
TC-22	ARTERIAL ROAD INFORMATION SIGN
TS-05	STANDARD TRAFFIC SIGNAL DESIGN DETAILS

**1. GENERAL NOTES**

- a. NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET.
- b. MAIL BOXES SHALL BE RELOCATED BY THE CONTRACTOR AS DIRECTED BY THE LOCAL POSTAL AUTHORITY. UNLESS INCLUDED AS A CONTRACT PAY ITEM, THIS WORK SHALL BE CONSIDERED TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.
- c. ALL UTILITIES, SCHOOL DISTRICTS, LOCAL POLICE, AND FIRE DEPARTMENTS SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
- d. UNLESS AUTHORIZED BY THE ENGINEER, ALL EXISTING ACCESS POINTS SHALL BE MAINTAINED AT ALL TIMES BY THE CONTRACTOR.
- e. DURING THE CONSTRUCTION, THE CONTRACTOR WILL BE REQUIRED, AT HIS EXPENSE, TO HAVE AVAILABLE A WATER TRUCK OR SIMILAR EQUIPMENT TO CONTROL DUST. IF NECESSARY, THE CONTRACTOR SHALL BE REQUIRED TO CONTROL DUST DURING NON-WORKING HOURS.
- f. ALL EXCESS MATERIAL (BROKEN CONCRETE, CULVERT PIPE, WASTE ROADWAY EXCAVATION, SURPLUS MATERIAL FROM SEWER TRENCHES, ETC.) SHALL BE LEGALLY DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SELECT DUMP SITES AND OBTAIN PERMISSION AND ALL NECESSARY PERMITS TO USE SUCH DUMP SITES. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.
- g. THE CONTRACTOR SHALL CONTACT THE IDOT DISTRICT 1 TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- h. 10 FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER ITEMS OF WORK TO EXISTING CURB AND GUTTER IN THE FIELD UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

**2. TREE REMOVAL CLEARING HEDGE REMOVAL**

- a. TREES NOT MARKED FOR REMOVAL SHALL BE CONSIDERED AS DESIGNATED TO BE SAVED AND SHALL BE PROTECTED UNDER THE PROVISIONS OF ARTICLE 201.05 OF THE STANDARD SPECIFICATIONS.
- b. ALL LIMBS, BRANCHES, AND OTHER DEBRIS RESULTING FROM THIS WORK SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS OWN EXPENSE OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY.
- c. ALL CLEARING, REMOVAL OF BUSHES, HEDGES AND TREES UNDER SIX (6) INCHES IN DIAMETER SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.

**3. OVERHANGING LIMBS**

- a. OVERHANGING LIMBS ARE TO BE TRIMMED OR CUT OFF TO PROVIDE A MINIMUM VERTICAL CLEARANCE OF TWENTY (20) FEET FROM THE FINISHED SURFACE OF THE ROAD. CLEARANCE TO SIDEWALKS OR PATHS SHALL BE AS DIRECTED BY THE ENGINEER.
- b. LIMB PRUNING SHALL BE PERFORMED UNDER THE SUPERVISION OF AN APPROVED TREE EXPERT AS STATED IN THESE NOTES AND SHALL BE UNDERTAKEN IN A TIMELY FASHION SO AS NOT TO INTERFERE WITH CONSTRUCTION.
- c. ALL CUTS OVER ONE (1) INCH IN DIAMETER SHALL BE MADE AT THE GROWTH RING AT THE NEXT LARGE BRANCH.
- d. ALL LIMBS, BRANCHES, AND OTHER DEBRIS RESULTING FROM THIS WORK SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS EXPENSE OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY.
- e. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TREE REMOVAL.

**4. TOPSOIL**

- a. TOPSOIL SHALL BE PLACED TO A DEPTH OF SIX (6) INCHES AND BE MEASURED IN SQUARE YARDS.
- b. THE CROSS SECTIONS INDICATE THE FINISHED GRADE OF TOPSOIL.
- c. TOPSOIL SHALL NOT BE STOCKPILED WITHIN THE LIMITS OF CONSTRUCTION; THE LOCATIONS OF TOPSOIL STOCKPILES WITHIN THE RIGHT-OF-WAY MUST BE APPROVED BY THE ENGINEER.

**5. ROADWAY EXCAVATION**

- a. ALL EXISTING CULVERTS, STORM SEWERS, OR DRAINAGE STRUCTURES MARKED FOR REMOVAL ON THE PLANS OR DESIGNATED IN THE FIELD BY THE ENGINEER TO BE REMOVED SHALL BE REMOVED AND ANY EXCAVATION SHALL BE BACKFILLED WITH A GRANULAR MATERIAL MEETING THE SPECIFICATIONS FOR FA-1 OR FA-2. THE COST OF ALL LABOR AND MATERIALS REQUIRED TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICES FOR STORM SEWER OR PIPE CULVERT UNLESS PAID FOR AS A SPECIFIC ITEM.
- b. ALL EXISTING GRANULAR AND HOT-MIX ASPHALT PAVEMENT TO BE REMOVED AND NOT PAID AS A SPECIFIC ITEM SHALL BE CONSIDERED EARTH EXCAVATION AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION. THE CONTRACTOR WILL HAVE THE OPTION OF REMOVING THE EXISTING HOT-MIX ASPHALT PAVEMENT BY GRINDING OR EXCAVATING. IF THE HOT-MIX ASPHALT PAVEMENT IS REMOVED BY EXCAVATION, IT MAY NOT BE USED IN EMBANKMENT AREAS UNLESS SPECIFICALLY AUTHORIZED BY THE ENGINEER. HOT-MIX ASPHALT PAVEMENT REMOVED BY GRINDING MAY BE USED AS EMBANKMENT MATERIAL. NO HOT-MIX ASPHALT PAVEMENT SHALL BE REMOVED IN AREAS TO BE USED FOR TEMPORARY ROADWAY.
- c. THE CONTRACTOR SHALL NOT CROSS COMPLETED BASE COURSE OR EXISTING PAVEMENT, NOT SCHEDULED TO BE REMOVED, WITH TRACK EQUIPMENT OR LOADED SCRAPERS.
- d. ALL EMBANKMENTS AND SUB-GRADE SHALL BE COMPACTED TO THE SATISFACTION OF THE ENGINEER PRIOR TO PLACING AGGREGATE SUBGRADE OR SUB-BASE GRANULAR MATERIAL.
- e. ALL EXISTING DOMESTIC BUFFALO BOXES ARE TO BE ADJUSTED BY THE CONTRACTOR. THE COST OF THIS WORK WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.

**6. STORM SEWERS STRUCTURES UTILITIES**

- a. THE CONTRACTOR SHALL MAINTAIN CONVEYANCE OF ALL FLOWS DURING CONSTRUCTION OF THIS PROJECT. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE AND PUBLIC DRAINS, SEWERS, CULVERTS, AND OTHER DRAINAGE FACILITIES. THE CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS, AND DISCHARGE THE SAME. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME THAT THE PERMANENT DRAINAGE FACILITIES ARE IN SERVICE. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN THE UNIT PRICE FOR SEWER ITEMS.
- b. THE STATION / OFFSET / ELEVATIONS NOTED FOR ALL DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION OF THE ADJACENT PROPOSED EDGE OF PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE OFFSET NECESSARY FOR THE STRUCTURES TO SET THE FRAME AND GRATES IN THE PROPER LOCATION. ALL OTHER STRUCTURES ARE DIMENSIONED TO THE CENTER OF THE STRUCTURE; ELEVATION INDICATES RIM GRADES.
- c. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING LOCAL AGENCIES MAINTAINING SANITARY SEWERS, WATERMANS, AND STREET LIGHTS TO VERIFY THE MATERIALS AND METHODS ALLOWED FOR THE ADJUSTMENT, RELOCATION, OR EXTENSION OF THE UTILITY INVOLVED.
- d. THE LOCATION AND ELEVATION OF EXISTING UTILITIES ARE APPROXIMATE AND ARE PROVIDED BY THE OWNERS. THE EXACT LOCATIONS AND ELEVATIONS ARE TO BE VERIFIED BY THE CONTRACTOR THROUGH THE OWNERS OF THE UTILITIES.
- e. EMBANKMENTS SHALL BE COMPLETED TO THE SATISFACTION OF THE ENGINEER PRIOR TO EXCAVATION FOR STORM SEWER.
- f. THE COST OF MAKING STORM SEWER CONNECTIONS TO EXISTING OR PROPOSED SEWER SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE STORM SEWER BEING CONNECTED.
- g. MANHOLES AND CATCH BASINS SHALL BE CONSTRUCTED WITH FLAT TOPS WHERE THE DIFFERENCE BETWEEN THE RIM ELEVATION AND INVERT ELEVATION IS LESS THAN SIX (6) FEET.
- h. ALL ADJUSTMENTS OR RECONSTRUCTIONS SHALL INCLUDE THE REMOVAL AND REPLACEMENT, AT THE CONTRACTOR'S EXPENSE, OF ALL UNSUITABLE TWO (2) FOOT INSIDE DIAMETER ADJUSTING RINGS.
- i. ADJUSTMENT OF STRUCTURES MAINTAINED BY OTHER AGENCIES SHALL BE MADE TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY MAINTAINING THE STRUCTURE INVOLVED.
- j. ALL MANHOLES AND INLETS SHALL HAVE POURED INVERTS. THE COST OF INVERTS SHALL BE INCLUDED IN THE COST OF THE STRUCTURE.
- k. TRENCHES CROSSING TRAFFIC LANES SHALL BE TEMPORARILY PATCHED WITH FOUR (4) INCHES HOT-MIX ASPHALT BASE COURSE; THE COST OF THE HOT-MIX ASPHALT BASE COURSE WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE SEWER, CULVERT, WATERMAIN, OR OTHER ITEM PLACED IN TRENCH. THIS PRICE SHALL INCLUDE THE COST OF MAINTAINING THE PATCH TO THE SATISFACTION OF THE ENGINEER.

**7. TRENCH BACKFILL**

- a. WHERE TRENCH BACKFILL IS REQUIRED, THE MATERIAL USED SHALL BE COMPACTED AS SPECIFIED IN ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS USING METHOD ONE.

**8. HOT-MIX ASPHALT SURFACE AND HOT-MIX ASPHALT BASE COURSE**

- a. HOT-MIX ASPHALT SURFACE COURSE SHALL NOT BE PLACED UNTIL ALL EARTH EXCAVATION, TOPSOIL PLACEMENT, BASE COURSE, AND HOT-MIX ASPHALT BINDER COURSE HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER.
- b. SAWCUT CONSTRUCTION JOINTS SHALL BE PROVIDED AT PAVED COMMERCIAL OR PRIVATE ENTRANCES AND AT ALL SIDE ROADS. THE COST SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR HOT-MIX ASPHALT SURFACE COURSE.
- c. HOT-MIX ASPHALT BASE COURSE SHALL NOT BE PLACED ADJACENT TO CURB AND GUTTER UNTIL THE CURB AND GUTTER HAS BEEN BACKFILLED TO THE SATISFACTION OF THE ENGINEER.
- d. ALL PATCHES OPENED ON A PARTICULAR DAY MUST BE FILLED THAT DAY TO THE TOP OF THE MILLED SURFACE.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAINFIELD ROAD IMPROVEMENTS  
GENERAL NOTES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1551	14-00275-05-RS	DUPAGE	58	2
CONTRACT NO. 61C08			ILLINOIS FED. AID PROJECT	

9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = mthomas	DESIGNED -- MT	REVISED --
PLOT SCALE = 1/8"	DRAWN -- PN	REVISED --
PLOT DATE = 10/21/2015	CHECKED -- JS	REVISED --
FILE NAME = N:\DARIEN\140029PH2\CIVIL\NOT_140029PH2-01.SHX	DATE -- 10/20/15	REVISED --

SCALE: SHEET OF SHEETS STA. TO STA.

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE		
CODE NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	0004 ROADWAY	021 TRAFFIC SIGNALS AND LIGHTING	0043 DARIEN NON-PARTICIPATING
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	143	143		
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	16			16
20101200	TREE ROOT PRUNING	EACH	12			12
20101400	NITROGEN FERTILIZER NUTRIENT	POUND	70	50		20
20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	70	50		20
20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	70	50		20
20200100	EARTH EXCAVATION	CU YD	761	761		
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1047	1047		
20800150	TRENCH BACKFILL	CU YD	1570	20		1550
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	600	600		
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	3918	2625		1293
25200110	SODDING, SALT TOLERANT	SQ YD	3918	2625		1293
25200200	SUPPLEMENTAL WATERING	UNIT	60	40		20
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	80	50		30
28000400	PERIMETER EROSION BARRIER	FOOT	3043	1819		1224
28000500	INLET AND PIPE PROTECTION	EACH	12	6		6
28000510	INLET FILTERS	EACH	35	14		21
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	307	307		
31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	1660	1660		
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	376	70		306
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	130	130		
35400450	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 9 1/2"	SQ YD	980	980		
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	18295	18295		
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	41	41		
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	1030	1030		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1170	1170		
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	100			100
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	138	138		
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	2170	2170		
42001300	PROTECTIVE COAT	SQ YD	1871	1199		672
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	306			306
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	7494	3668		3826
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	240	240		
42400800	DETECTABLE WARNINGS	SQ FT	420	420		
44002209	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 2 1/4"	SQ YD	789			789
44000100	PAVEMENT REMOVAL	SQ YD	15	15		
44000158	HOT-MIX ASPHALT SURFACE REMOVAL 2 1/4"	SQ YD	25800	25800		
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	250			250
44000500	COMBINATION CONCRETE CURB AND GUTTER REMOVAL	FOOT	3537	2660		877
44000600	SIDEWALK REMOVAL	SQ FT	8388	4575		3813
44201773	CLASS D PATCHES, TYPE I, 11 INCH	SQ YD	489	484		5
44201777	CLASS D PATCHES, TYPE II, 11 INCH	SQ YD	521	484		37
44201781	CLASS D PATCHES, TYPE III, 11 INCH	SQ YD	500	484		16
44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SQ YD	1384	652		732

Δ DENOTES SPECIALTY ITEM

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE		
CODE NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	0004 ROADWAY	021 TRAFFIC SIGNALS AND LIGHTING	0043 DARIEN NON-PARTICIPATING
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	2050	2050		
50901760	PIPE HANDRAIL	FOOT	90	90		
55100200	STORM SEWER REMOVAL 6"	FOOT	102			102
55100400	STORM SEWER REMOVAL 10"	FOOT	10			10
55100500	STORM SEWER REMOVAL 12"	FOOT	61	16		45
Δ 56103000	DUCTILE IRON WATER MAIN 6"	FOOT	575			575
Δ 56103100	DUCTILE IRON WATER MAIN 8"	FOOT	190			190
Δ 56103200	DUCTILE IRON WATER MAIN 10"	FOOT	1620			1620
Δ 56104900	WATER VALVES 6"	EACH	6			6
Δ 56105000	WATER VALVES 8"	EACH	2			2
Δ 56105100	WATER VALVES 10"	EACH	5			5
Δ 56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	5			5
Δ 60201330	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	EACH	4			4
Δ 60219530	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	EACH	3			3
Δ 60237460	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	EACH	3	2		1
Δ 60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	13			13
Δ 60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	15	15		
Δ 60402210	GRATES, TYPE 8	EACH	1			1
Δ 60404940	FRAMES AND GRATES, TYPE 23	EACH	10	6		4
Δ 60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	1	1		
Δ 60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	17	4		13
Δ 60500050	REMOVING CATCH BASINS	EACH	2	1		1
60500060	REMOVING INLETS	EACH	3	3		
Δ 60500405	FILLING VALVE VAULTS	EACH	5			5
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	223	117		106
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	3314	2543		771
Δ 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	3030	1459	21	1550
Δ 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1		
Δ 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1		
67100100	MOBILIZATION	L SUM	1	1		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	7050	7050		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	4200	4200		
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2		
Δ 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	183	183		
Δ 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	9540	9540		
Δ 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	810	810		
Δ 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1750	1750		
Δ 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	300	300		
78300100	PAVEMENT MARKING REMOVAL	SQ FT	300	300		
Δ 78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	340	340		
Δ 80500010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	1		1	
Δ 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	4433		4433	
Δ 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	225		225	

Δ DENOTES SPECIALTY ITEM



USER NAME = mtthomas  
 PLOT SCALE = 10"  
 PLOT DATE = 10/13/2015

DESIGNED - MT  
 DRAWN - PN  
 CHECKED - JS  
 DATE - 10/12/15

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLAINFIELD ROAD IMPROVEMENTS  
 SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 1551 SECTION 14-00275-05-RS COUNTY DUPAGE TOTAL SHEETS 58 SHEET NO. 3 CONTRACT NO. 61C08 ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE		
CODE NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	0004 ROADWAY	021 TRAFFIC SIGNALS AND LIGHTING	0043 DARIEN NON-PARTICIPATING
Δ 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	66		66	
Δ 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	408		408	
Δ 81400100	HANDHOLE	EACH	10		10	
Δ 81400300	DOUBLE HANDHOLE	EACH	2		2	
Δ 81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1635		1635	
Δ 82103310	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 310 WATT	EACH	4		4	
Δ 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2		2	
Δ 86400100	TRANSCIVER - FIBER OPTIC	EACH	2		2	
Δ 87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	4785		4785	
Δ 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	3032		3032	
Δ 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2819		2819	
Δ 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2049		2049	
Δ 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1087		1087	
Δ 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1484		1484	
Δ 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	86		86	
Δ 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	834		834	
Δ 87500600	TRAFFIC SIGNAL POST, 10 FT.	EACH	4		4	
Δ 87501000	TRAFFIC SIGNAL POST, 14 FT.	EACH	3		3	
Δ 87501200	TRAFFIC SIGNAL POST, 16 FT.	EACH	3		3	
Δ 87702900	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1		1	
Δ 87702930	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1		1	
Δ 87702940	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1		1	
Δ 87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1		1	
Δ 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	44		44	
Δ 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4	
Δ 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60		60	
Δ 87900200	DRILL EXISTING HANDHOLE	EACH	17		17	
Δ 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8		8	
Δ 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4		4	
Δ 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4		4	
Δ 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2		2	
Δ 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	16		16	
Δ 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10		10	
Δ 88500100	INDUCTIVE LOOP DETECTOR	EACH	6		6	
Δ 88600100	DETECTOR LOOP, TYPE I	FOOT	1118		1118	
Δ 88700090	CONFIRMATION BEACON	EACH	2		2	
Δ 88700200	LIGHT DETECTOR	EACH	2		2	
Δ 88700300	LIGHT DETECTOR AMPLIFIER	EACH	1		1	
Δ 88800100	PEDESTRIAN PUSH-BUTTON	EACH	16		16	
Δ 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	415		415	
Δ 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1	
Δ 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	3		3	
Δ 550A2310	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 10"	FOOT	294			294
Δ 550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	75	60		15

Δ DENOTES SPECIALTY ITEM

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE		
CODE NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	0004 ROADWAY	021 TRAFFIC SIGNALS AND LIGHTING	0043 DARIEN NON-PARTICIPATING
Δ X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	278		278	
Δ X0327094	VALVE BOX 6"	EACH	3			3
Δ X0327698	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4		4	
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	3	3		
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	2	1		1
X4240430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	785	785		
Δ X6020084	MANHOLE, SPECIAL	EACH	1			1
Δ X6026632	VALVE BOXES TO BE REMOVED	EACH	6			6
X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	8	8		
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1		
X7240505	RELOCATE SIGN PANEL AND POST	EACH	3	3		
Δ X7810300	RECESSED REFLECTIVE PAVMENT MARKER	EACH	340	340		
Δ X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	2		2	
Δ X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	2		2	
Δ X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	4837		4837	
Δ XX000679	CUT AND CAP EXISTING WATER MAIN	EACH	9			9
Δ XX003338	TEST HOLE	EACH	9			9
Δ XX006252	SANITARY SEWER REPLACEMENT, WATERMAIN QUALITY	FOOT	21			21
XX008130	DRAINAGE STRUCTURES TO BE CLEANED AND GROUTED	EACH	35	35		
Δ XX008959	DUCTILE IRON WATER MAIN (SPECIAL)	FOOT	42			42
Z0004514	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"	SQ YD	130	130		
Z0004538	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"	SQ YD	70	70		
Z0004544	HOT-MIX ASPHALT DRIVEWAY PAVEMENT REMOVAL	SQ YD	310	250		60
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
Z0018400	DRAINAGE STRUCTURES TO BE ADJUSTED	EACH	6	6		
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52	52		
Δ Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	2		2	
Δ Z0044298	PRESSURE CONNECTION TO EXISTING WATER MAIN	EACH	1			1
# Z0076600	TRAINEES	HOURL	500	500		
# Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURL	500	500		
Δ <del>XX009057</del>	RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	1		1	

Δ DENOTES SPECIALTY ITEM

# 0042



9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = mthomas

DESIGNED -- MT

DRAWN -- PN

PLOT SCALE = 1/8"

PLOT DATE = 10/13/2015

REVISD --

REVISD --

CHECKED -- JS

DATE -- 10/12/15

REVISD --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAINFIELD ROAD IMPROVEMENTS  
SUMMARY OF QUANTITIES

F.A.U. RTE.

1551

SECTION

14-00275-05-RS

COUNTY

DUPAGE

TOTAL SHEETS

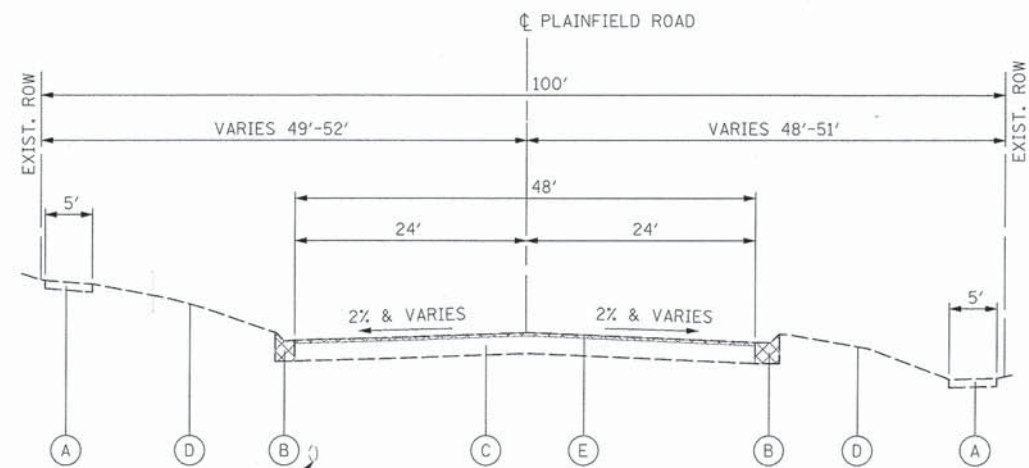
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SHEET NO.

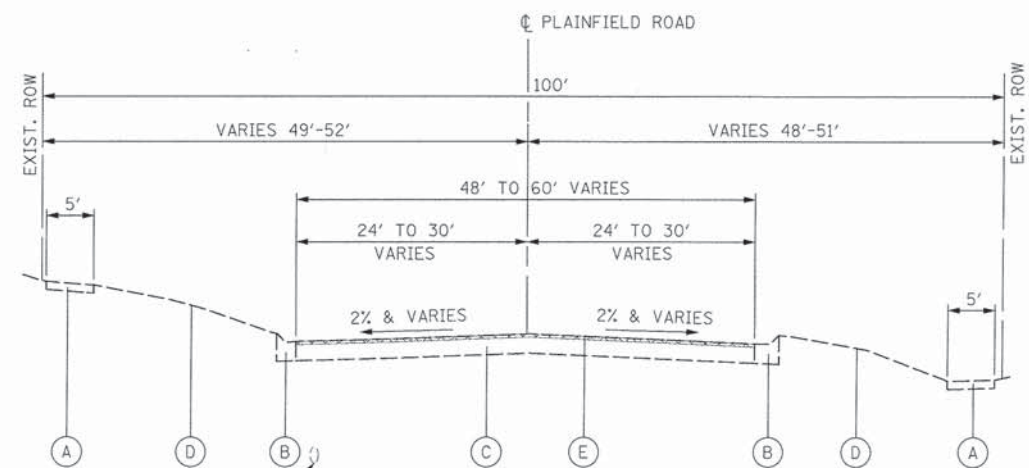
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CONTRACT NO. 61C08

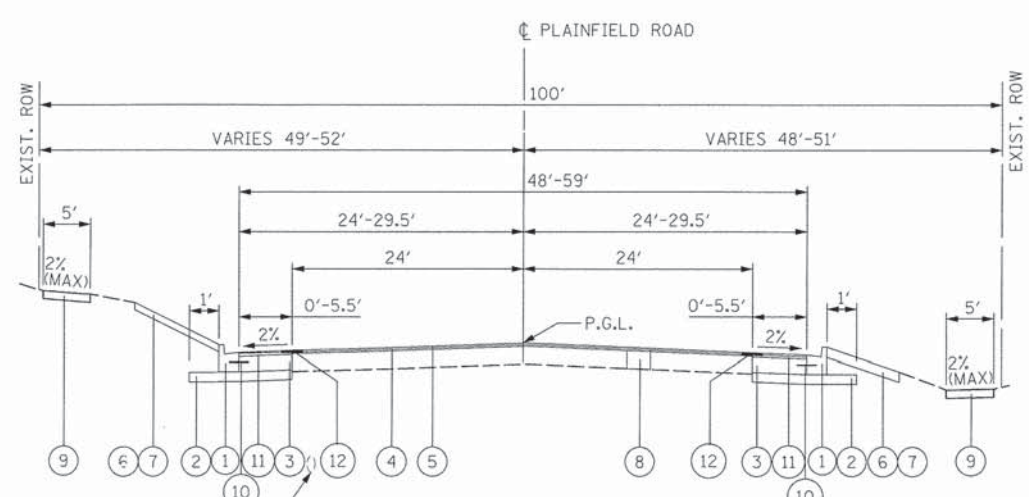
ILLINOIS FED. AID PROJECT



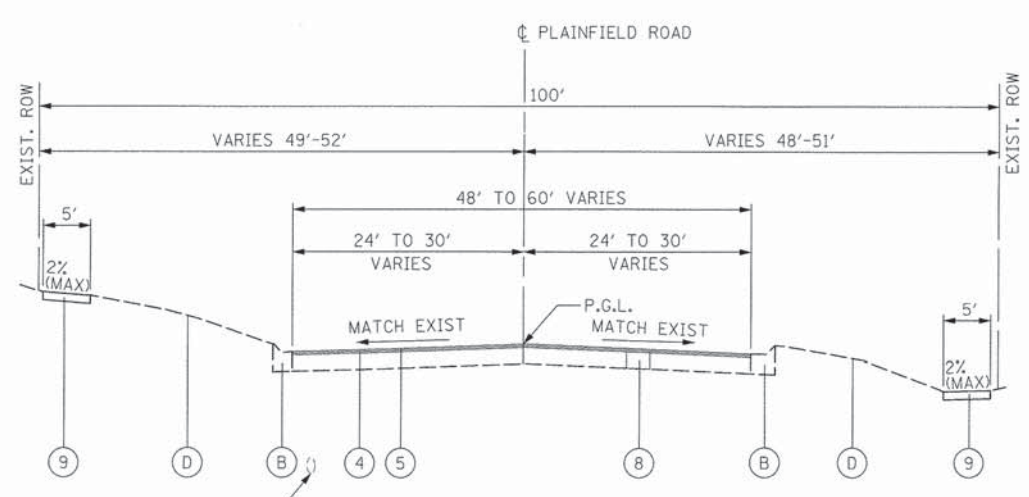
EXISTING 10" WATER MAIN TO REMAIN IN PLACE  
**EXISTING PLAINFIELD ROAD  
 STA 131+11 TO STA 141+61**  
 REMOVAL



EXISTING 10" WATER MAIN TO REMAIN IN PLACE  
**EXISTING PLAINFIELD ROAD  
 STA 110+42 TO STA 131+11  
 STA 141+61 TO STA 153+05**



EXISTING 10" WATER MAIN TO REMAIN IN PLACE  
**PROPOSED PLAINFIELD ROAD  
 STA 131+11 TO STA 141+61**



EXISTING 10" WATER MAIN TO REMAIN IN PLACE  
**PROPOSED PLAINFIELD ROAD  
 STA 110+42 TO STA 131+11  
 STA 141+61 TO STA 153+05**

**LEGEND**

- |  |   |
|--|---|
| (A) EXISTING PCC SIDEWALK                                    | (1) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18   |
| (B) EXISTING COMBINATION CONC CURB AND GUTTER TYPE B-6.18    | (2) SUBBASE GRANULAR MATERIAL, TYPE B 6"  |
| (C) EXISTING HMA PAVEMENT (12" - 14" HMA PER PAVEMENT CORES) | (3) PCC BASE COURSE WIDENING, 9 1/2"  |
| (D) EXISTING GROUND LINE                                     | (4) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4"                                     |
| (E) HMA SURFACE REMOVAL, 2 1/4"                              | (5) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"  |
|  | (6) TOPSOIL FURNISH AND PLACE, 6"   |
|  | (7) SODDING, SALT TOLERANT  |
|  | (8) CLASS D PATCHES, 11" (DETERMINED BY ENGINEER IN FIELD)  |
|  | (9) PCC SIDEWALK, 5" (SEE PLANS FOR LOCATIONS)  |
|  | (10) NO. 6 X 24" TIE BARS, 24" C-C (TO BE INCLUDED IN THE COST OF COMBINATION CONCRETE CURB AND GUTTER) |
|  | (11) HOT-MIX ASPHALT BINDER COURSE, IL-19.0 N70 2 1/2"  |
|  | (12) STRIP REFLECTIVE CRACK CONTROL TREATMENT   |

NOTE:  
 THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

	MIXTURE TYPE	AIR VOIDS @ Ndes
PAVEMENT RESURFACING	HOT-MIX ASPHALT SURFACE COUSE, MIX "D", N70 (IL 9.5 mm), 1 1/2" (1 LIFT)	4% @ 70 GYR.
	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4" (1 LIFT)	3.5% @ 50 GYR.
PAVEMENT WIDENING	HOT-MIX ASPHALT SURFACE COUSE, MIX "D", N70 (IL 9.5 mm), 1 1/2" (1 LIFT)	4% @ 70 GYR.
	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/2" (1 LIFT)	4% @ 70 GYR.
HMA DRIVEWAY	HOT-MIX ASPHALT SURFACE COUSE, MIX "D", N50 (IL 9.5 mm), 2" (1 LIFT)	4% @ 50 GYR.
	HOT-MIX ASPHALT BASE COURSE, (HMA BINDER IL-19 mm) PE - 2" (1 LIFT) CE - 8" (3 LIFTS)	4% @ 50 GYR.
PATCHING	CLASS D PATCHES, 11" (HMA BINDER IL-19 mm) (5 LIFTS)	4% @ 70 GYR.
	HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm) (1 LIFT)	4% @ 70 GYR.

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE AND BASE MIXTURES IS 112 LBS/SQYD/IN.

THE UNIT WEIGHT USED TO CALCULATE POLY LEVELING BINDER IS 110 LBS/SQYD/IN.

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

EARTHWORK SCHEDULE									
STATION			20201200	20200100				30300001	
			REM AND DISP OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EARTH EXCAVATION VOLUME USED (15% SHRINKAGE)	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	AGGREGATE SUBGRADE IMPROVEMENT	
			(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
131+11	TO	131+50	30	12	10	24	-14	0	
131+50	TO	132+00	39	19	16	30	-14	0	
132+00	TO	132+50	39	25	21	15	6	0	
132+50	TO	133+00	44	30	25	12	13	5	
133+00	TO	133+50	56	36	31	6	25	17	
133+50	TO	134+00	64	48	41	6	34	25	
134+00	TO	134+50	64	56	48	6	42	25	
134+50	TO	135+00	62	55	46	6	40	24	
135+00	TO	135+50	52	58	50	9	40	12	
135+50	TO	136+00	34	56	48	6	42	0	
136+00	TO	136+43	22	37	31	0	31	0	
136+43	TO	136+50	6	6	5	2	3	0	
136+50	TO	137+00	61	45	39	39	0	6	
137+00	TO	137+50	57	32	28	36	-9	16	
137+50	TO	138+00	54	31	27	17	10	19	
138+00	TO	138+50	44	28	24	6	17	19	
138+50	TO	138+83	25	17	14	0	14	14	
138+83	TO	139+00	15	8	7	0	7	8	
139+00	TO	139+50	52	30	25	2	23	24	
139+50	TO	140+00	62	37	31	10	21	21	
140+00	TO	140+50	61	36	31	14	17	17	
140+50	TO	140+56	7	5	4	1	3	2	
140+56	TO	140+73	19	12	10	3	7	4	
140+73	TO	141+00	29	15	13	3	9	6	
141+00	TO	141+50	43	22	19	2	17	11	
141+50	TO	141+61	6	4	3	0	3	2	
<b>TOTALS</b>			<b>1047</b>	<b>761</b>	<b>647</b>	<b>255</b>	<b>392</b>	<b>277</b>	

NON-SPECIAL WASTE DISPOSAL 66900200*	
EARTHWORK	392 CU YD
REM & DISP OF UNSUIT MATERIAL	1047 CU YD
STORM SEWERS	20 CU YD
WATER MAIN	1250 CU YD
TRAFFIC SIGNAL FOUNDATIONS	21 CU YD
<b>TOTAL</b>	<b>2730 CU YD</b>

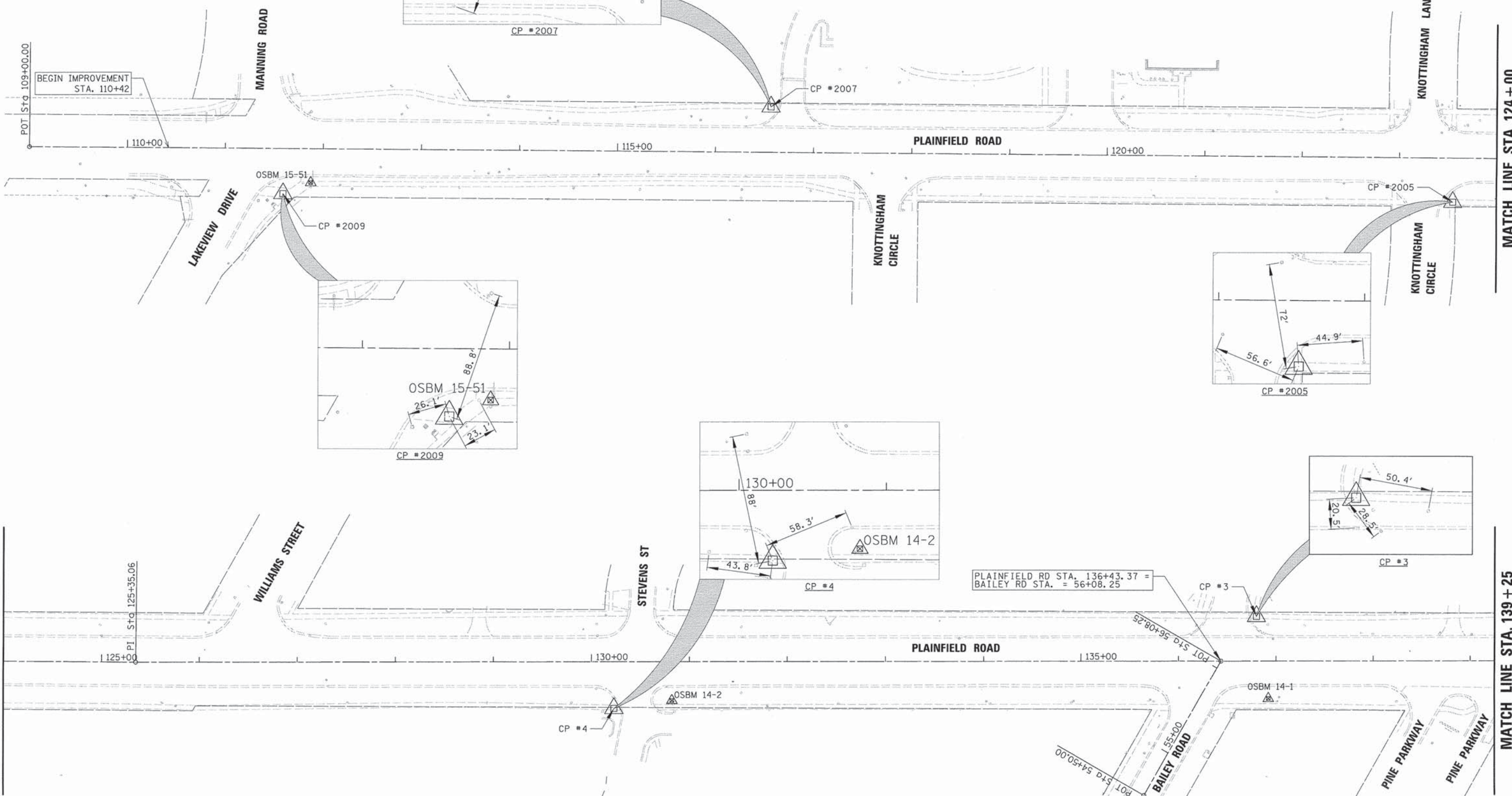
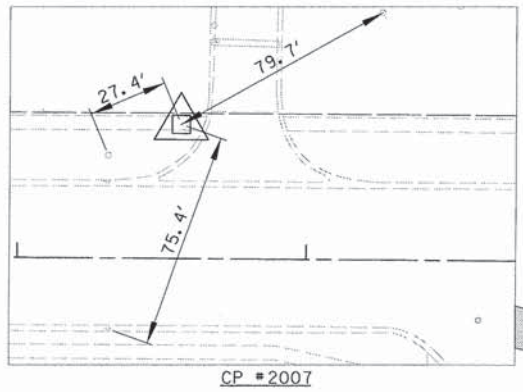
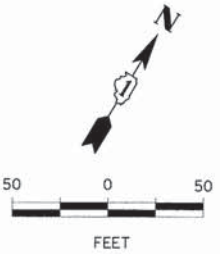
\* NON-SPECIAL WASTE DISPOSAL QUANTITY INCLUDES ALL POTENTIAL WASTE THAT MAY LEAVE THE CONSTRUCTION SITE. IF NON-SPECIAL WASTE IS NOT ENCOUNTERED OR IF THE MATERIAL CAN BE REUSED ON-SITE THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

SUMMARY			
20200100	20400800	20201200	30300001
EARTH EXCAVATION	FURNISHED EXCAVATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	AGGREGATE SUBGRADE IMPROVEMENT
(CU YD)	(CU YD)	(CU YD)	(CU YD)
761	0	1,047	307 *

\* A QUANTITY OF AGGREGATE SUBGRADE IMPROVEMENT AND GEOTECHNICAL FABRIC FOR GROUND STABILIZATION HAS BEEN PROVIDED FOR USE AT LOCATIONS OF UNSUITABLE OR UNSTABLE SOIL. PRELIMINARY LOCATIONS REQUIRING THE USE OF AGG SUB IMPROVEMENT HAVE BEEN INDICATED ON THE CROSS SECTIONS. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGG SUBGRADE IMPROVEMENT WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. IF UNSUITABLE OR UNSTABLE SOIL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

ELEVATION BENCHMARKS DATUM: NAVD '88		
NO.	DESCRIPTION	ELEV.
DGN26002	DUPAGE COUNTY MONUMENT - 3" DISK WITH A DIMPLE LOCATED ON WEST SIDE OF MADISON ST. IN THE EAST FACE OF THE SECOND PIER ON A BRIDGE FOR THE I-55 OVERPASS	714.55
OSBM 14-1	RAILROAD SPIKE IN UTILITY POLE AT SOUTHEAST CORNER OF PLAINFIELD RD. & BAILEY RD.	771.52
OSBM 14-2	SPIKE IN UTILITY POLE AT SOUTHEAST CORNER OF PLAINFIELD RD. & DARIEN LAKES DR.	762.88

HORIZONTAL CONTROL POINTS					
CONTROL POINTS	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
CP-2009	1 849 266.90	1 078 524.96	CP-XCUT	111+59.46	46.20 RT
CP-2007	1 849 600.52	1 078 904.65	CP-XCUT	123+55.38	46.59 LT
CP-2005	1 849 878.98	1 079 552.38	CP-XCUT	140+47.69	45.00 RT
CP-4	1 850 221.71	1 080 125.81	CP-XCUT	130+23.00	47.86 RT
CP-3	1 850 642.36	1 080 638.73	CP-XCUT	136+79.73	31.90 LT



MATCH LINE STA. 124 + 00

MATCH LINE STA. 139 + 25

**IBC** 9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = mthomas  
DESIGNED - MT  
DRAWN - PN  
CHECKED - JS  
DATE - 10/20/15  
PLOT SCALE = 58"  
PLOT DATE = 10/21/2015

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAINFIELD ROAD IMPROVEMENTS  
ALIGNMENT, TIES AND BENCHMARKS**

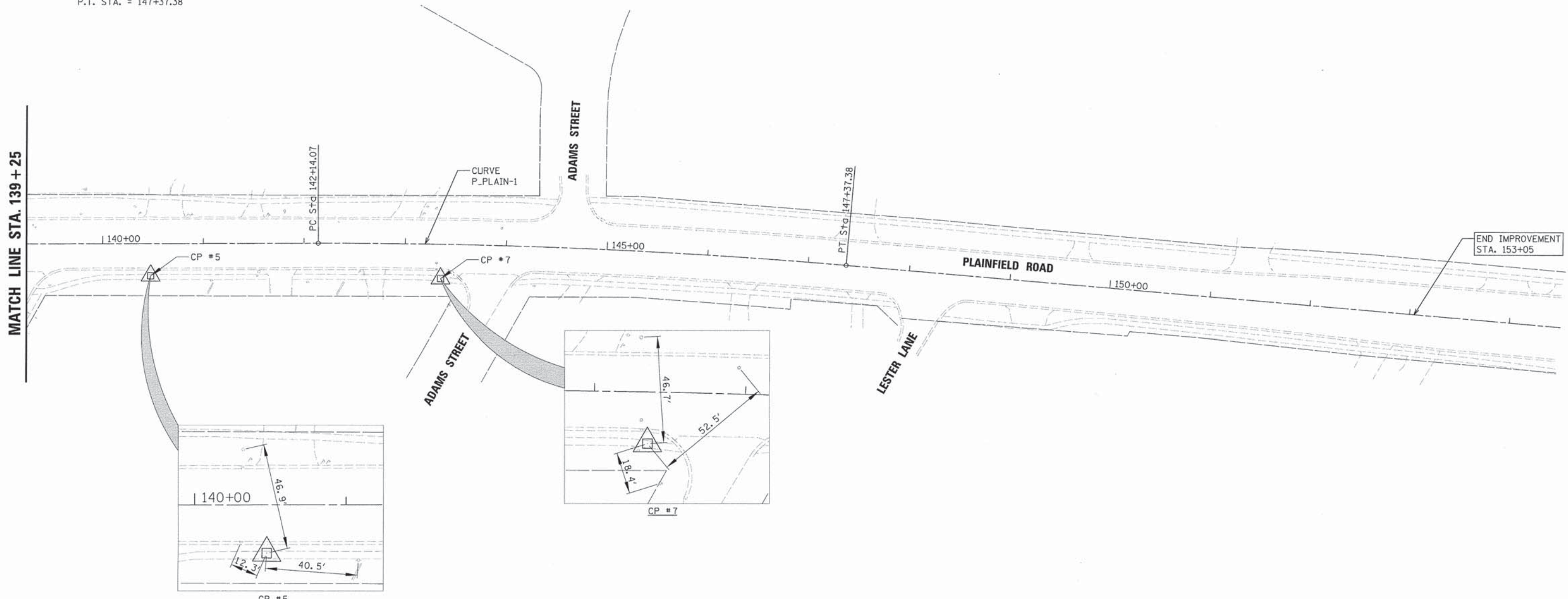
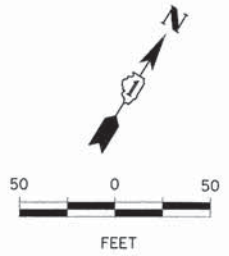
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 1551	SECTION 14-00275-05-RS	COUNTY DUPAGE	TOTAL SHEETS 58	SHEET NO. 7
CONTRACT NO. 61C08				

FILE NAME = N:\DARIEN\140029PH2\CIVIL\GAL1.140029PH2-01.SHT

ILLINOIS FED. AID PROJECT

PROP. CURVE P\_PLAIN-1  
 PI STA. = 144+75.89  
 $\Delta = 4^\circ 59' 50''$  (RT)  
 $D = 0^\circ 57' 18''$   
 $R = 6,000.00'$   
 $T = 261.82'$   
 $L = 523.31'$   
 $E = 5.71'$   
 P.C. STA. = 142+14.07  
 P.T. STA. = 147+37.38



HORIZONTAL CONTROL POINTS

CONTROL POINTS	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
CP-5	1 850 766.97	1 080 993.52	CP-XCUT	140+47.69	31.90 RT
CP-7	1 850 912.96	1 081 240.75	CP-XCUT	143+35.29	34.14 RT

ELEVATION BENCHMARKS DATUM: NAVD '88		
NO.	DESCRIPTION	ELEV.
DGN26002	DUPAGE COUNTY MONUMENT - 3" DISK WITH A DIMPLE LOCATED ON WEST SIDE OF MADISON ST. IN THE EAST FACE OF THE SECOND PIER ON A BRIDGE FOR THE I-55 OVERPASS	714.55
OSBM 14-1	RAILROAD SPIKE IN UTILITY POLE AT SOUTHEAST CORNER OF PLAINFIELD RD. & BAILEY RD.	771.52
OSBM 14-2	SPIKE IN UTILITY POLE AT SOUTHEAST CORNER OF PLAINFIELD RD. & DARIEN LAKES DR.	762.88

**D&B** 9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

USER NAME = mthomas	DESIGNED - MT	REVISED -
PLLOT SCALE = 50'	DRAWN - PN	REVISED -
PLLOT DATE = 10/21/2015	CHECKED - JS	REVISED -
	DATE - 10/20/15	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLAINFIELD ROAD IMPROVEMENTS  
 ALIGNMENT, TIES AND BENCHMARKS**

SCALE: SHEET OF SHEETS STA. TO STA.

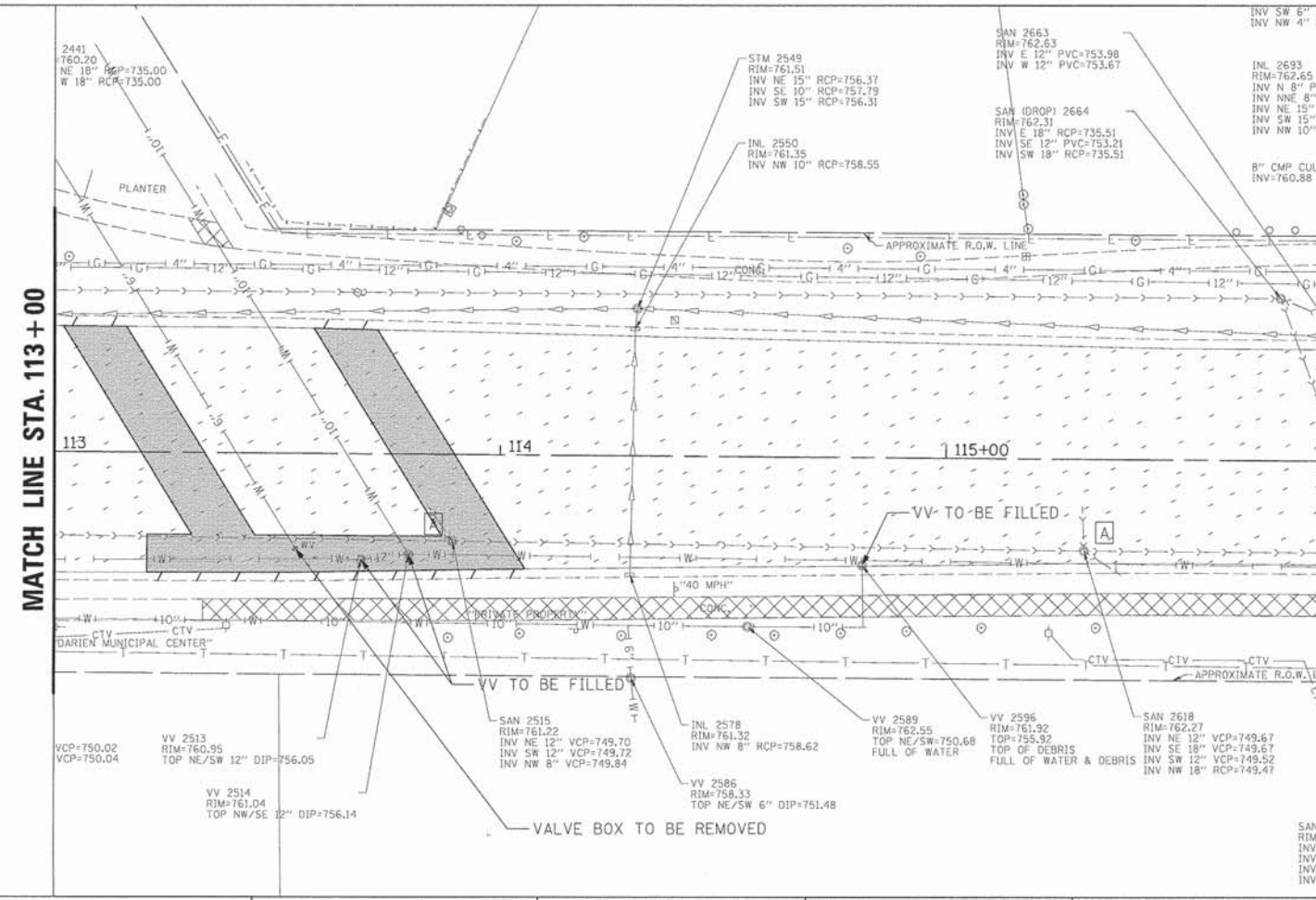
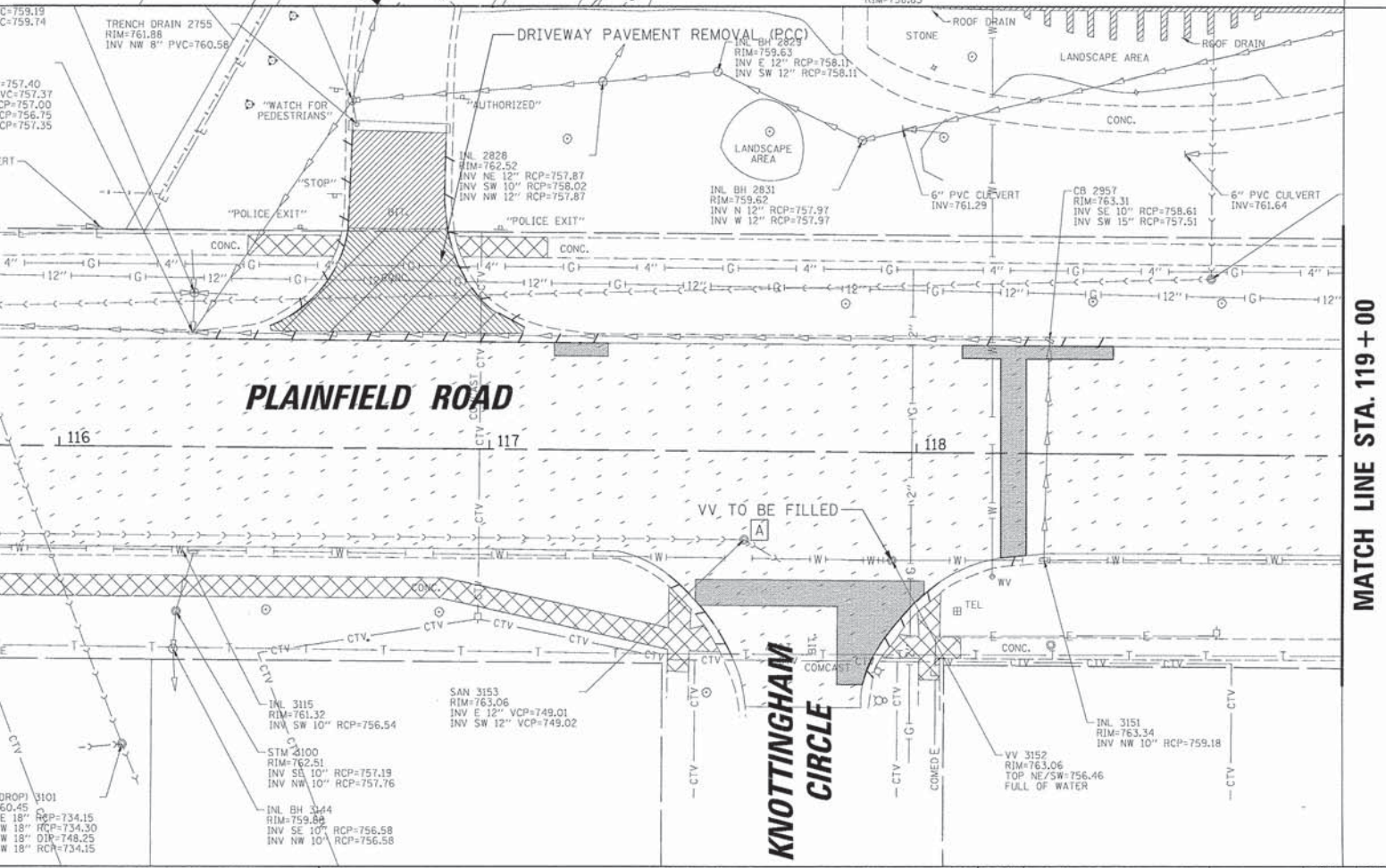
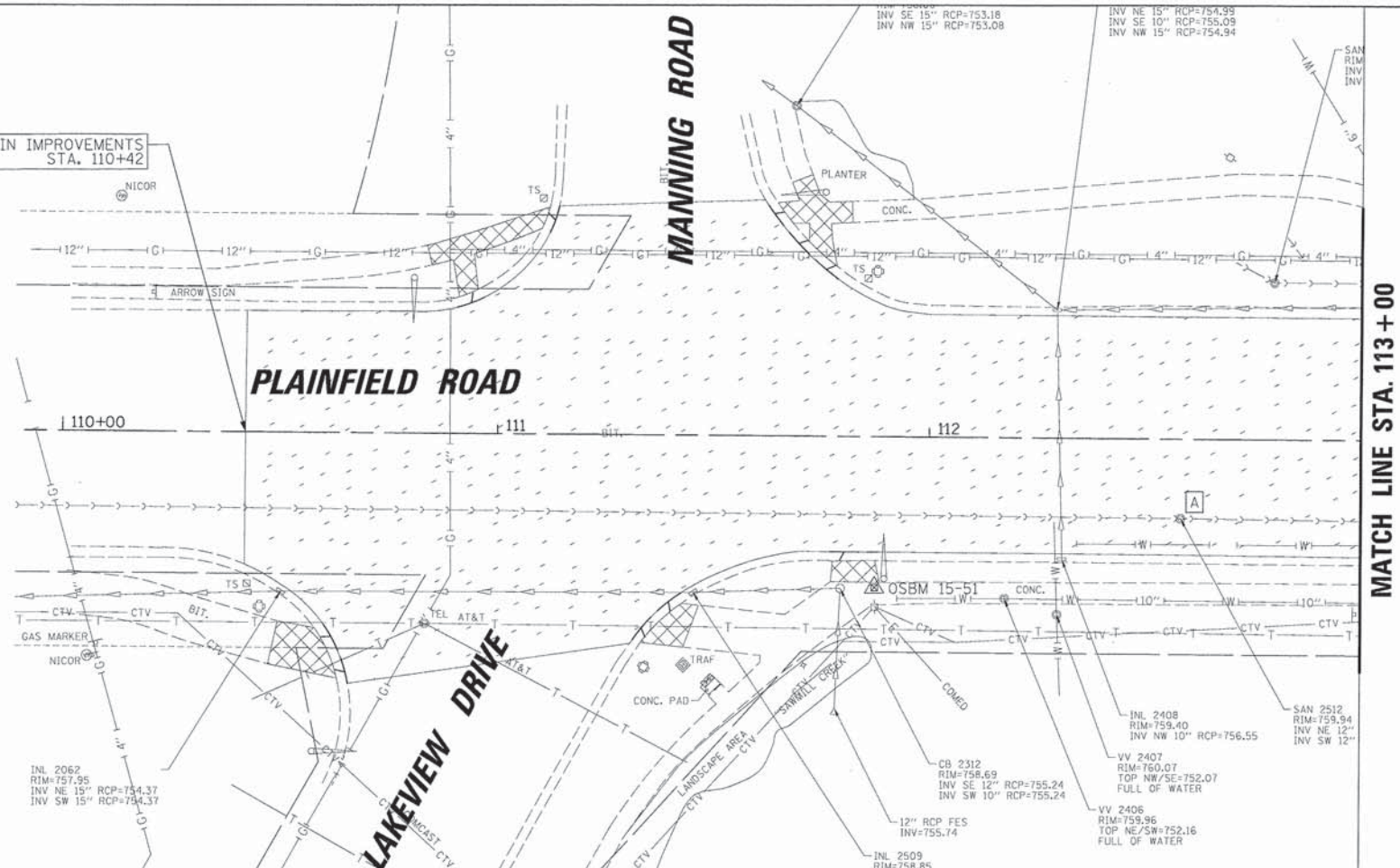
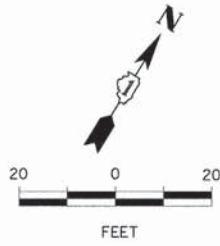
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1551	14-00275-05-RS	DUPAGE	58	8
CONTRACT NO. 61C08			ILLINOIS FED. AID PROJECT	

FILE NAME = N:\DARIEN\140029PH2\CIVIL\ALL\140029PH2-02.SHT



**LEGEND**

- SIDEWALK REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- HMA DRIVEWAY PAVT REMOVAL
- CLASS D PATCHES, 11"
- COMBINATION CONCRETE CURB AND GUTTER REMOVAL
- TREE REMOVAL
- FRAMES AND LIDS TO BE ADJ
- EXISTING AERIAL LINE
- EXISTING WATER MAIN
- EXISTING STORM SEWER
- EXISTING COMBINED SEWER
- EXISTING FENCE



9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = mthomas  
DESIGNED - MT  
DRAWN - PN  
CHECKED - JS  
DATE - 10/20/15

REVISOR -  
REVISION -  
REVISION -  
REVISION -

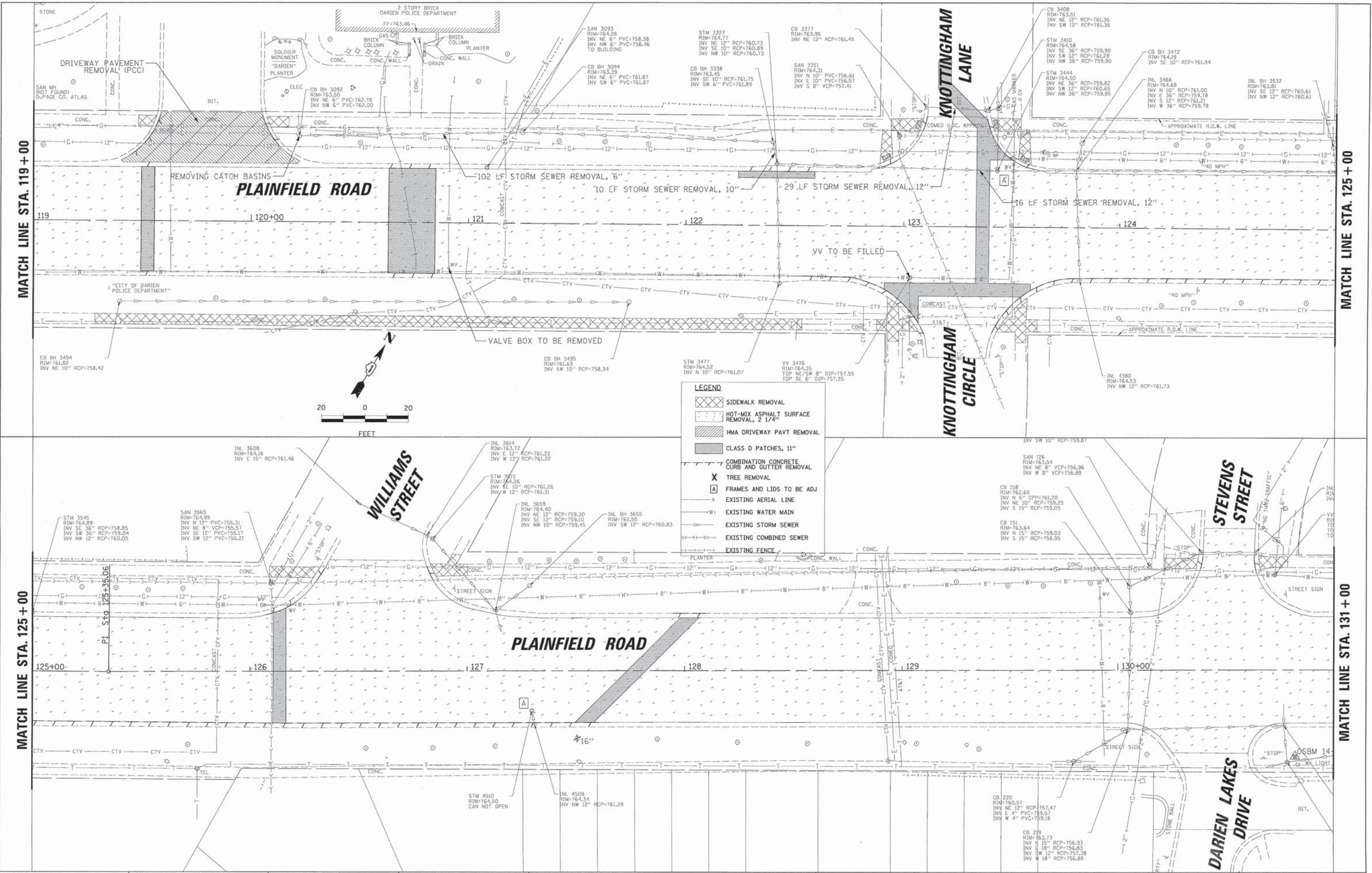
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAINFIELD ROAD IMPROVEMENTS  
EXISTING CONDITION AND REMOVAL PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 1551	SECTION 14-00275-05-RS	COUNTY DUPAGE	TOTAL SHEETS 58	SHEET NO. 9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61C08	

FILE NAME = REM\_140029PH2-01.SHT



9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

USER NAME = mthomas  
 PLT SCALE = 28"  
 PLT DATE = 10/21/2015

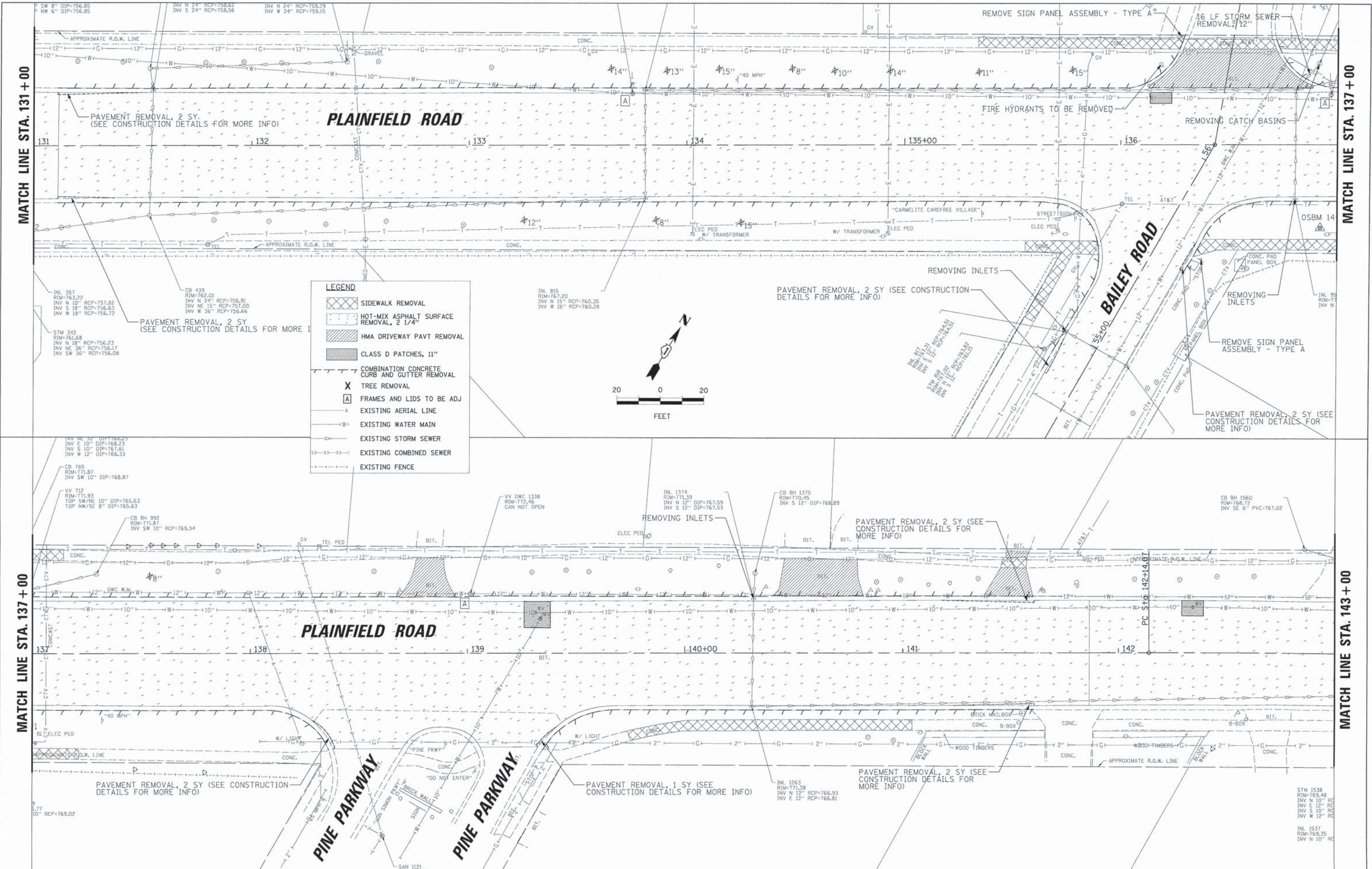
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 DRAWN - PN  
 CHECKED - JS  
 DATE - 10/20/15

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PLAINFIELD ROAD IMPROVEMENTS  
 EXISTING CONDITION AND REMOVAL PLAN

F.A.U. RTE. 1551	SECTION 14-00275-05-RS	COUNTY DUPAGE	TOTAL SHEETS 58	SHEET NO. 10
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 131 + 00

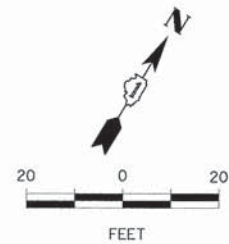
MATCH LINE STA. 137 + 00

MATCH LINE STA. 137 + 00

MATCH LINE STA. 143 + 00

**LEGEND**

- SIDEWALK REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- HMA DRIVEWAY PAVT REMOVAL
- CLASS D PATCHES, 11"
- COMBINATION CONCRETE CURB AND GUTTER REMOVAL
- TREE REMOVAL
- FRAMES AND LIDS TO BE ADJ
- EXISTING AERIAL LINE
- EXISTING WATER MAIN
- EXISTING STORM SEWER
- EXISTING COMBINED SEWER
- EXISTING FENCE



9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = mthomas  
PLOT SCALE = 28"  
PLOT DATE = 10/21/2015

DESIGNED - MT  
DRAWN - PN  
CHECKED - JS  
DATE = 10/20/15

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REVISED -

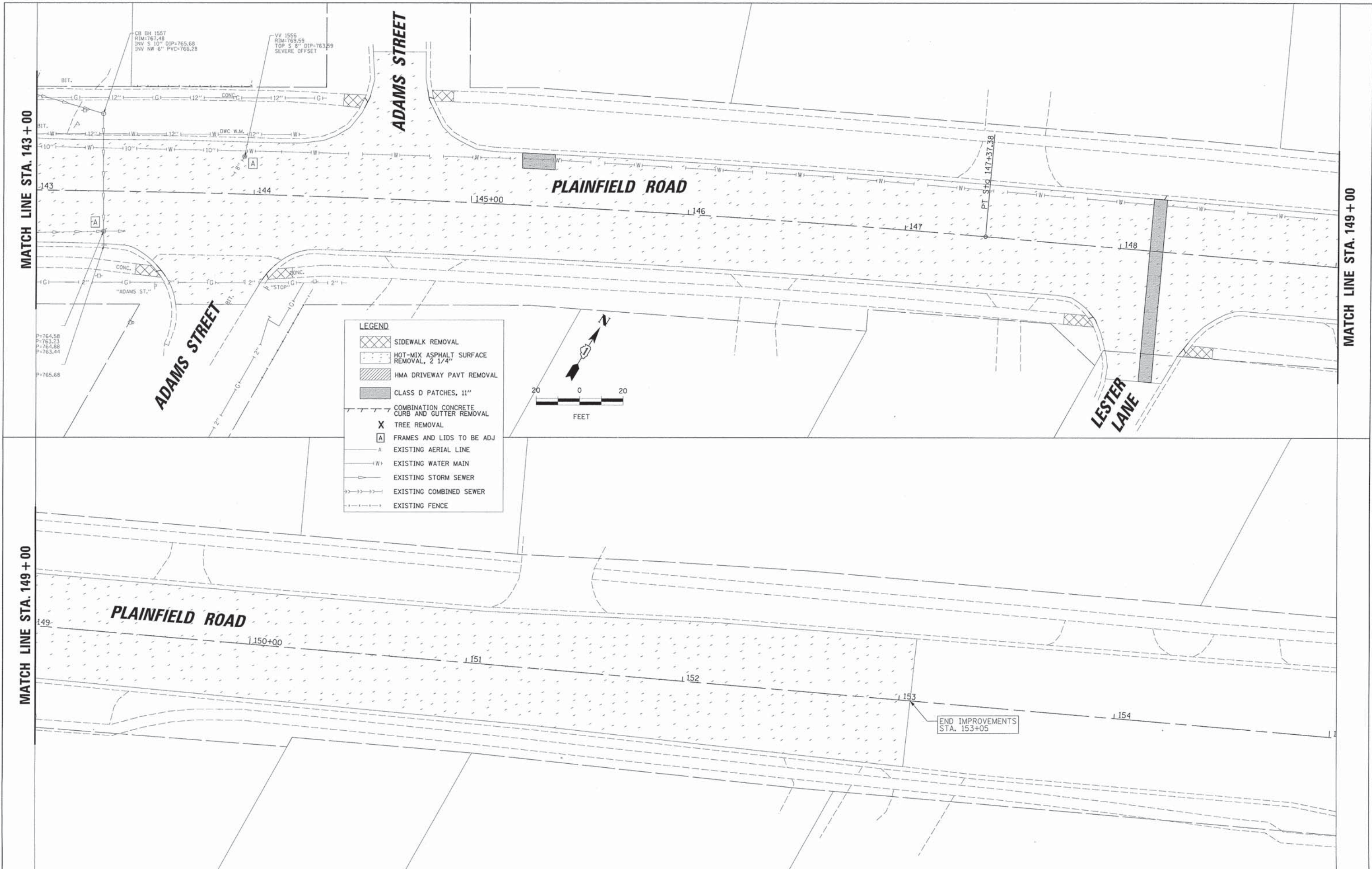
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAINFIELD ROAD IMPROVEMENTS  
EXISTING CONDITION AND REMOVAL PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 1551	SECTION 14-00275-05-RS	COUNTY	TOTAL SHEETS 58	SHEET NO. 11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61C08	

FILE NAME = REM\_140029PH2-03.SHT



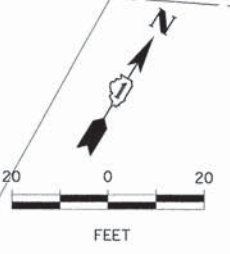
MATCH LINE STA. 143 + 00

MATCH LINE STA. 149 + 00

MATCH LINE STA. 149 + 00

**LEGEND**

- SIDEWALK REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- HMA DRIVEWAY PAVT REMOVAL
- CLASS D PATCHES, 11"
- COMBINATION CONCRETE CURB AND GUTTER REMOVAL
- TREE REMOVAL
- FRAMES AND LIDS TO BE ADJ
- EXISTING AERIAL LINE
- EXISTING WATER MAIN
- EXISTING STORM SEWER
- EXISTING COMBINED SEWER
- EXISTING FENCE



9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = mthomas  
PLOT SCALE = 28'  
PLOT DATE = 10/21/2015

DESIGNED - MT  
DRAWN - PN  
CHECKED - JS  
DATE - 10/20/15

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

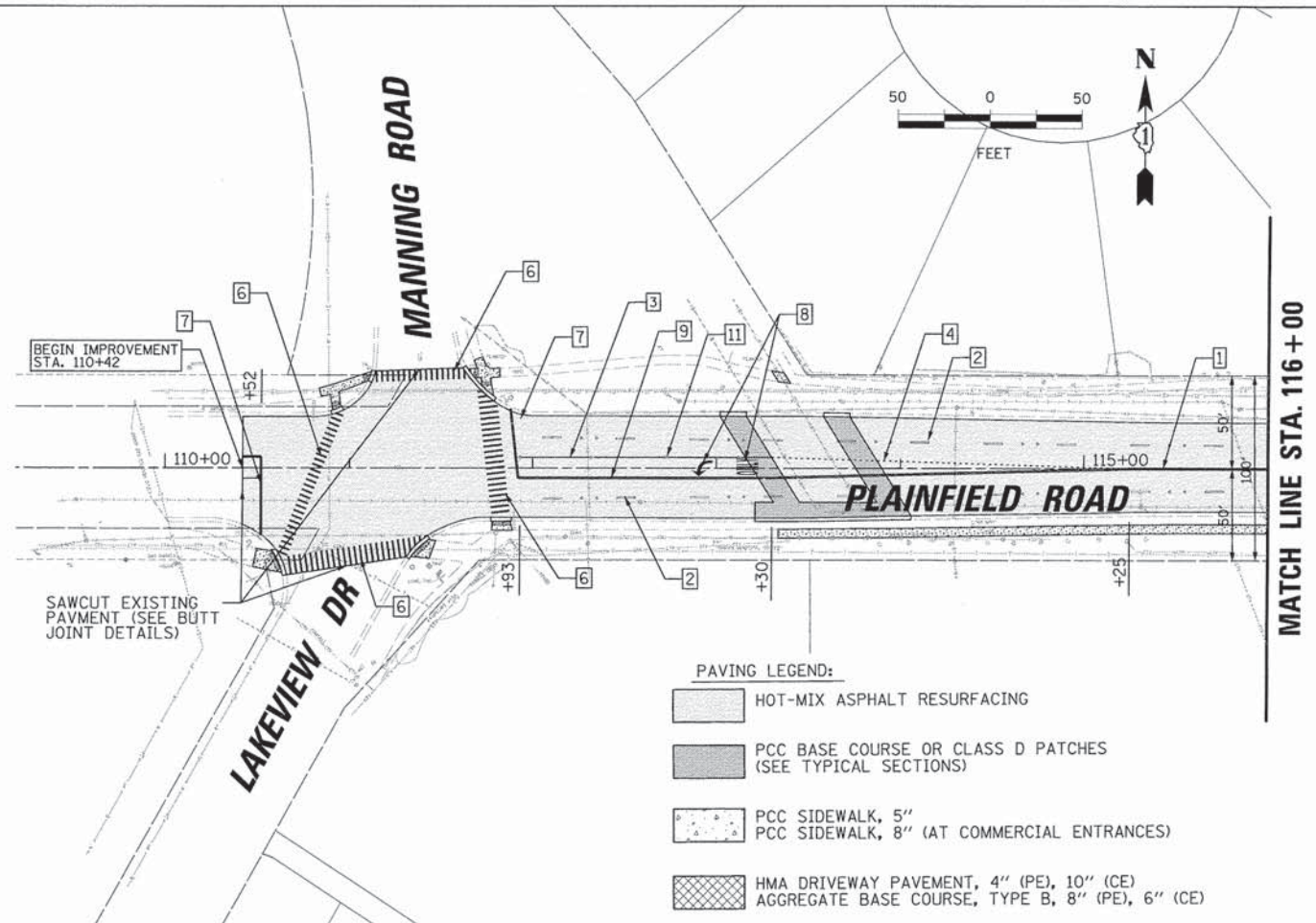
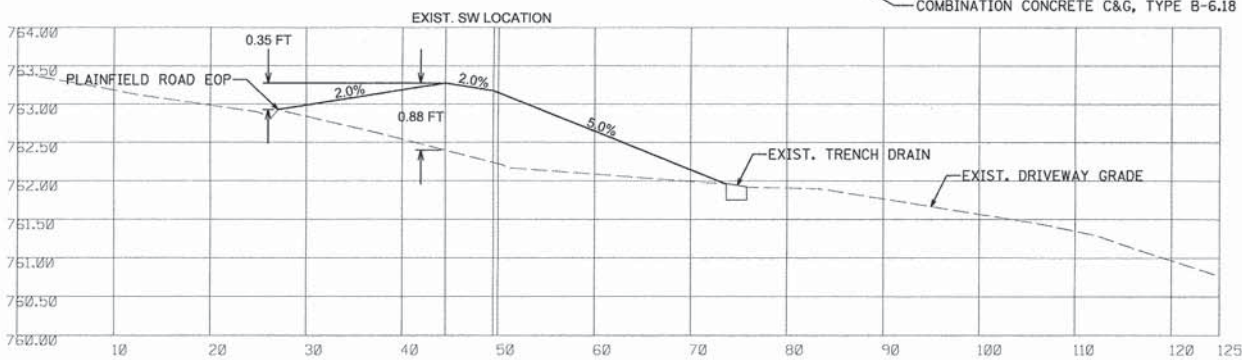
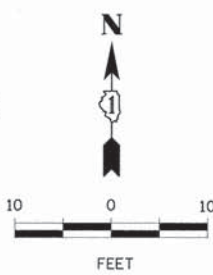
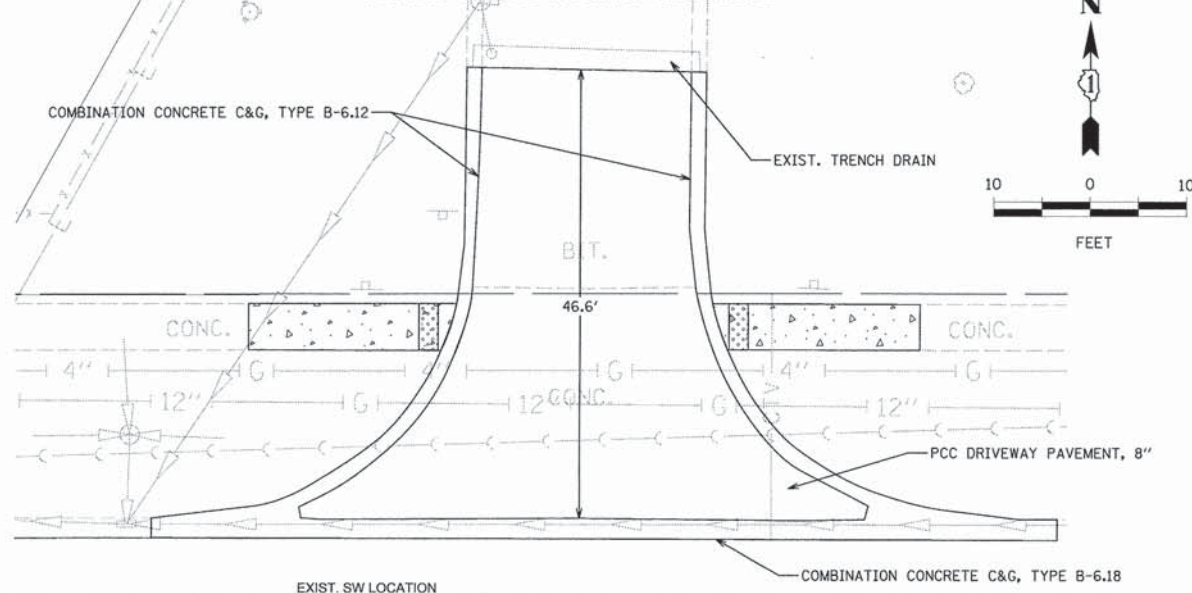
**PLAINFIELD ROAD IMPROVEMENTS  
EXISTING CONDITION AND REMOVAL PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

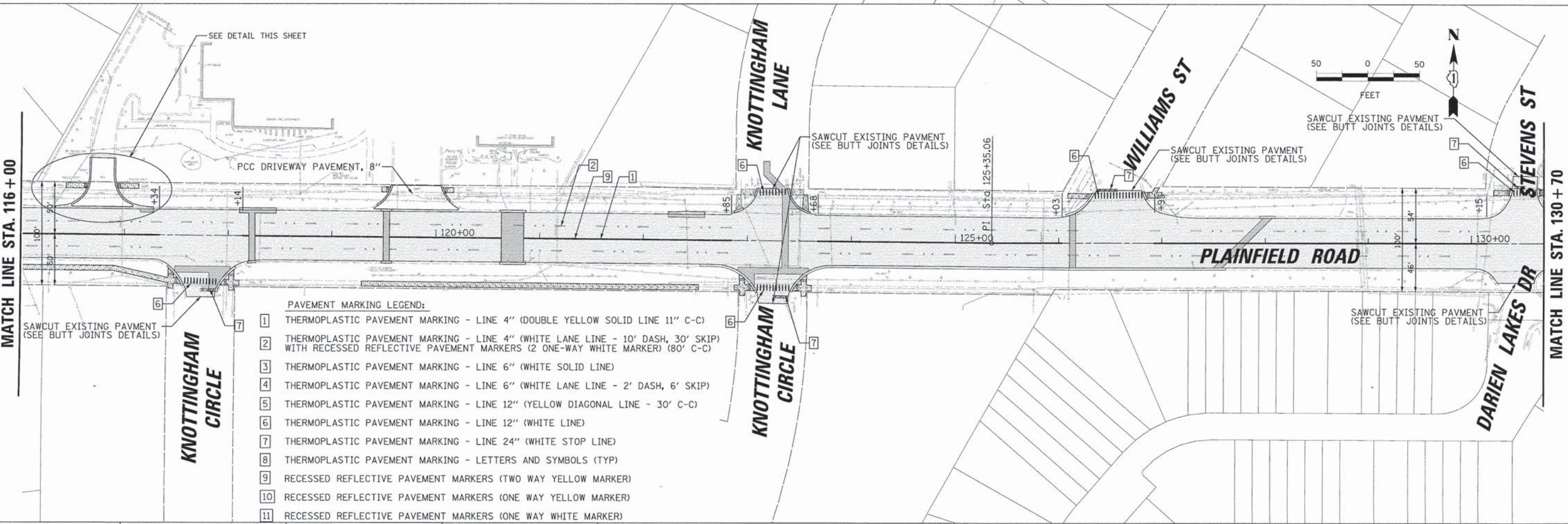
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1551	14-00275-05-RS	DUPAGE	58	12
CONTRACT NO. 61C08			ILLINOIS FED. AID PROJECT	

FILE NAME = REM\_140029PH2-04.SHT

**DARIEN POLICE STATION ENTRANCE**



- PAVING LEGEND:**
- HOT-MIX ASPHALT RESURFACING
  - PCC BASE COURSE OR CLASS D PATCHES (SEE TYPICAL SECTIONS)
  - PCC SIDEWALK, 5" PCC SIDEWALK, 8" (AT COMMERCIAL ENTRANCES)
  - HMA DRIVEWAY PAVEMENT, 4" (PE), 10" (CE) AGGREGATE BASE COURSE, TYPE B, 8" (PE), 6" (CE)



- PAVEMENT MARKING LEGEND:**
- 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)
  - 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) WITH RECESSED REFLECTIVE PAVEMENT MARKERS (2 ONE-WAY WHITE MARKER) (80' C-C)
  - 3 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)
  - 4 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)
  - 5 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE - 30' C-C)
  - 6 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE LINE)
  - 7 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE)
  - 8 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP)
  - 9 RECESSED REFLECTIVE PAVEMENT MARKERS (TWO WAY YELLOW MARKER)
  - 10 RECESSED REFLECTIVE PAVEMENT MARKERS (ONE WAY YELLOW MARKER)
  - 11 RECESSED REFLECTIVE PAVEMENT MARKERS (ONE WAY WHITE MARKER)

**B+C**  
9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = mthomas  
PLOT SCALE = 50'  
PLOT DATE 10/21/2015

DESIGNED - MT  
DRAWN - PN  
CHECKED - JS  
DATE - 10/20/15

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAINFIELD ROAD IMPROVEMENTS  
PROPOSED ROADWAY PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

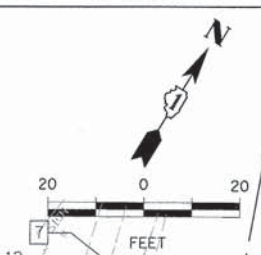
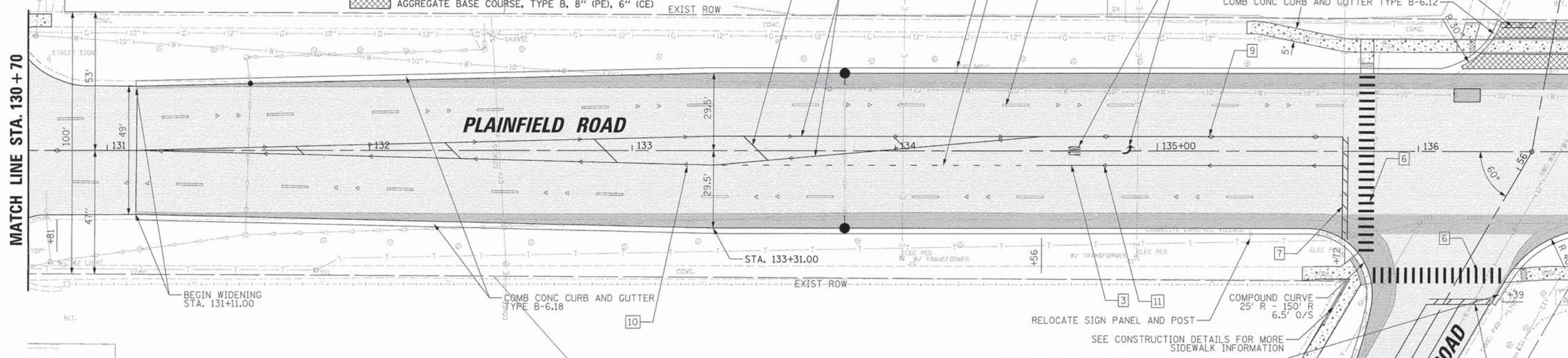
F.A.U. RTE. 1551	SECTION 14-00275-05-RS	COUNTY DUPAGE	TOTAL SHEETS 58	SHEET NO. 13
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61C08	

**PAVING LEGEND:**

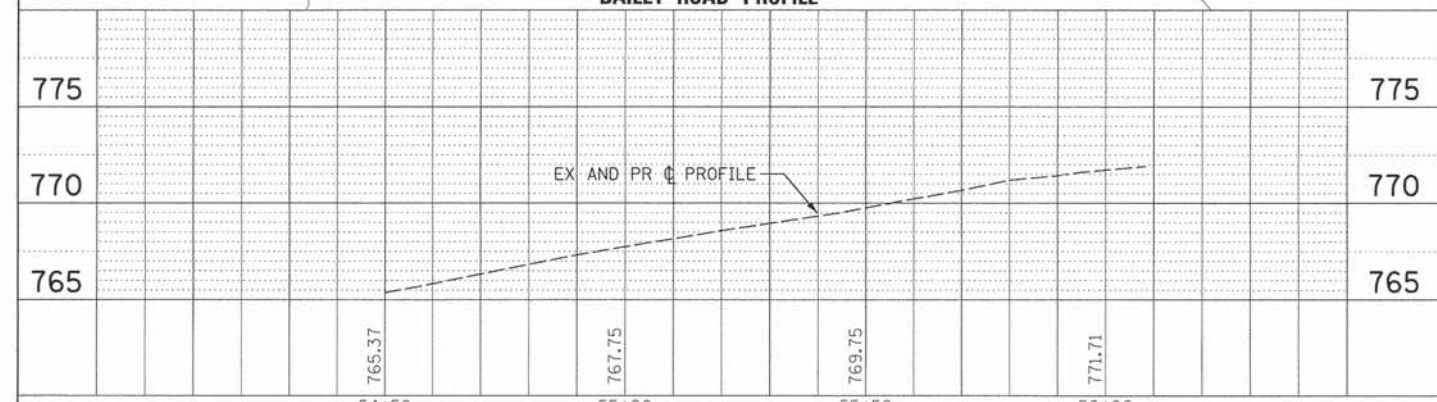
	HOT-MIX ASPHALT RESURFACING
	PCC BASE COURSE OR CLASS D PATCHES (SEE TYPICAL SECTIONS)
	PCC SIDEWALK, 5" (AT COMMERCIAL ENTRANCES)
	PCC SIDEWALK, 8" (AT COMMERCIAL ENTRANCES)
	HMA DRIVEWAY PAVEMENT, 4" (PE), 10" (CE) AGGREGATE BASE COURSE, TYPE B, 8" (PE), 6" (CE)

MATCH LINE STA. 130 + 70

MATCH LINE STA. 136 + 60



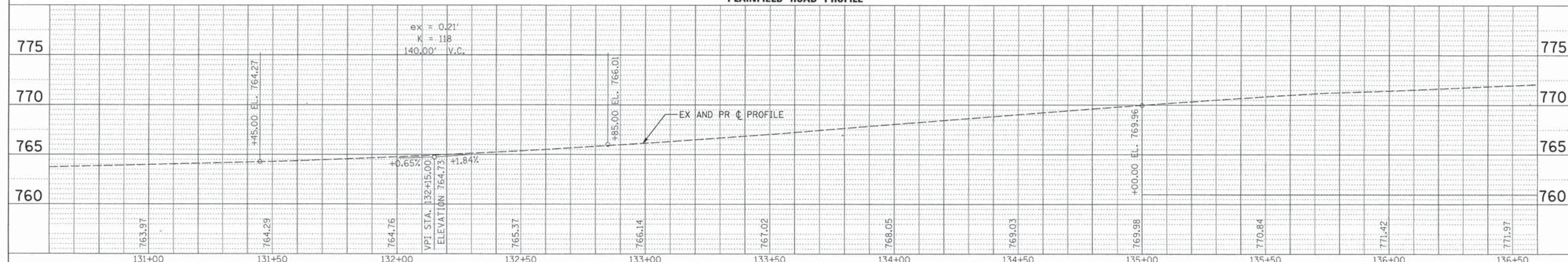
**BAILEY ROAD PROFILE**



**PAVEMENT MARKING LEGEND:**

- 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)
- 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) WITH RECESSED REFLECTIVE PAVEMENT MARKERS (2 ONE-WAY WHITE MARKER) (80' C-C)
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- 4 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)
- 5 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE - 30' C-C)
- 6 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE LINE)
- 7 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE)
- 8 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP)
- 9 RECESSED REFLECTIVE PAVEMENT MARKERS (TWO WAY YELLOW MARKER)
- 10 RECESSED REFLECTIVE PAVEMENT MARKERS (ONE WAY YELLOW MARKER)
- 11 RECESSED REFLECTIVE PAVEMENT MARKERS (ONE WAY WHITE MARKER)

**PLAINFIELD ROAD PROFILE**



<p>9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500</p>	USER NAME = mthomas	DESIGNED - MT	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>PLAINFIELD ROAD IMPROVEMENTS</b> <b>PROPOSED ROADWAY PLAN AND PROFILE</b>		F.A.U. RTE. 1551	SECTION 14-00275-05-RS	COUNTY	TOTAL SHEETS 58	SHEET NO. 14
	PLOT SCALE = 28"	DRAWN - PN	REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.	DUPAGE	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61C08	
	PLOT DATE = 10/21/2015	CHECKED - JS	REVISED -								
	DATE = 10/20/15	DATE = 10/20/15	REVISED -								

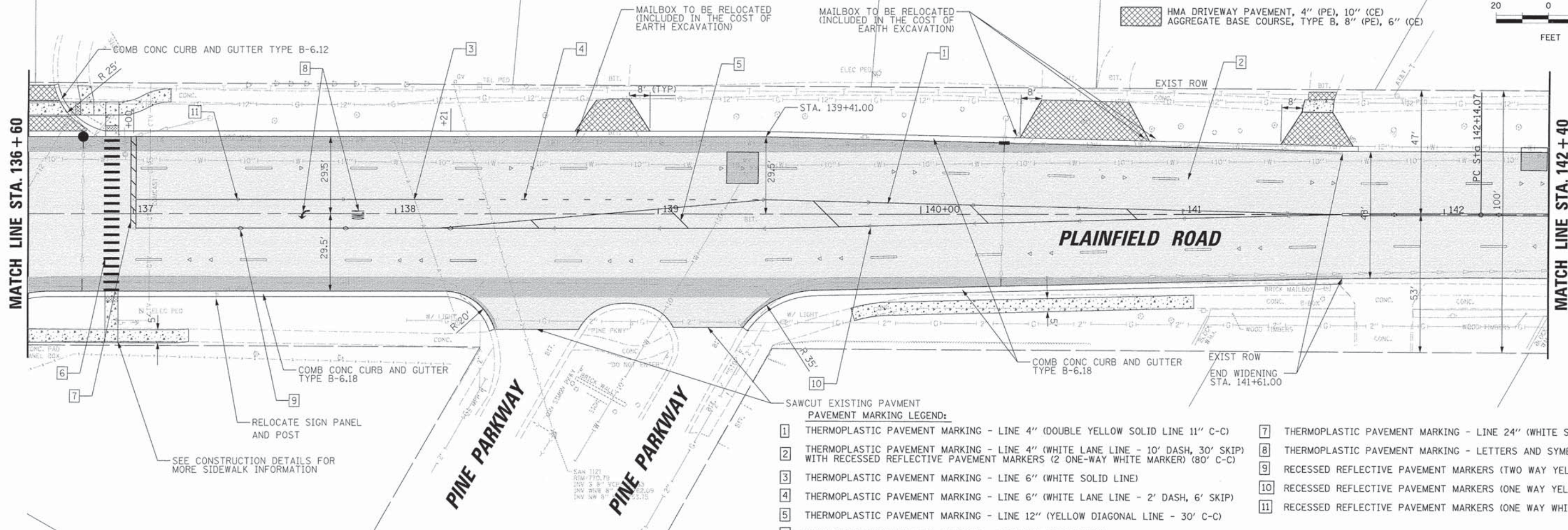
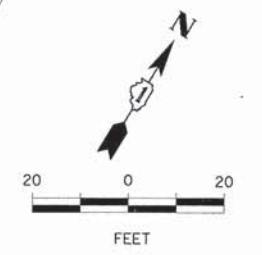
FILE NAME = N:\DARTEN\140029PH2\CIV\BPP\140029PH2-01.SHT

DATE	
BY	
REVISIONS	
PLANNED	
NOTED	
NO.	

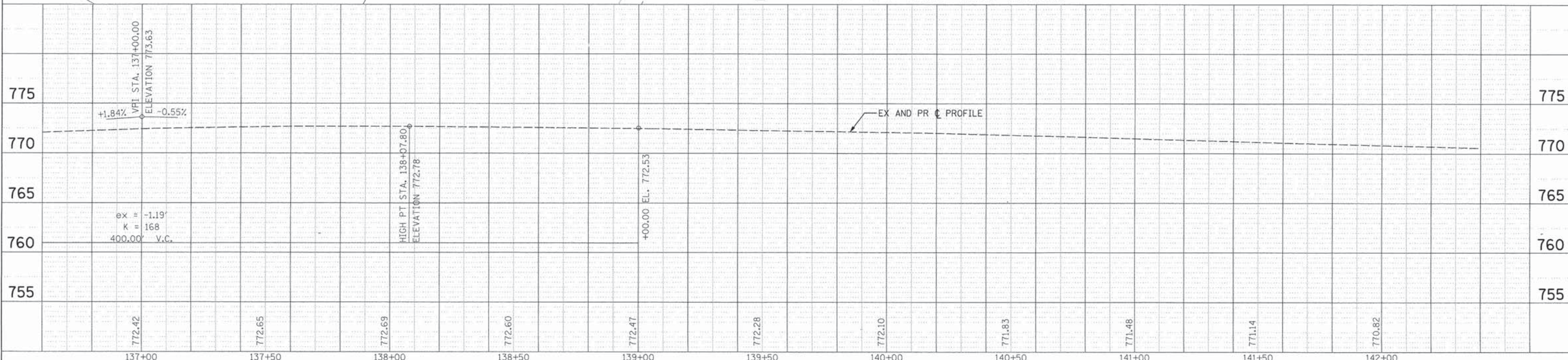
DATE	
BY	
REVISIONS	
PLANNED	
NOTED	
NO.	

**PAVING LEGEND:**

- HOT-MIX ASPHALT RESURFACING
- PCC BASE COURSE OR CLASS D PATCHES (SEE TYPICAL SECTIONS)
- PCC SIDEWALK, 5" (AT COMMERCIAL ENTRANCES)  
PCC SIDEWALK, 8" (AT COMMERCIAL ENTRANCES)
- HMA DRIVEWAY PAVEMENT, 4" (PE), 10" (CE)  
AGGREGATE BASE COURSE, TYPE B, 8" (PE), 6" (CE)







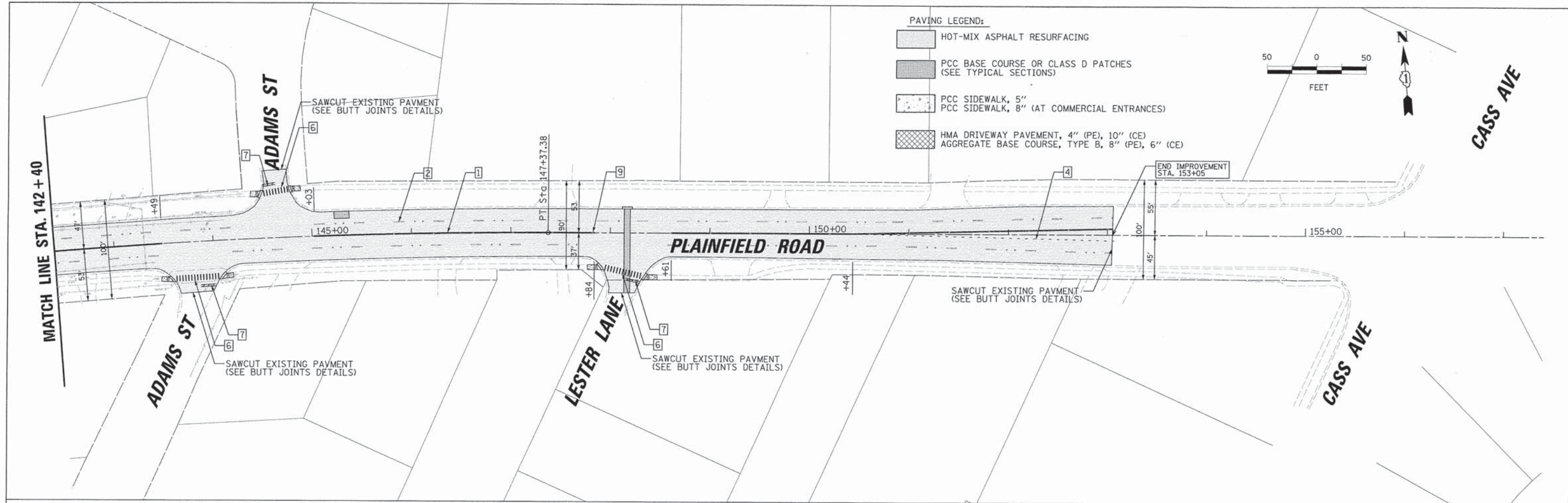
- PAVEMENT MARKING LEGEND:**
- 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)
  - 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) WITH RECESSED REFLECTIVE PAVEMENT MARKERS (2 ONE-WAY WHITE MARKER) (80' C-C)
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  - 9 RECESSED REFLECTIVE PAVEMENT MARKERS (TWO WAY YELLOW MARKER)
  - 10 RECESSED REFLECTIVE PAVEMENT MARKERS (ONE WAY YELLOW MARKER)
  - 11 RECESSED REFLECTIVE PAVEMENT MARKERS (ONE WAY WHITE MARKER)



9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = mthomas	DESIGNED - MT	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>PLAINFIELD ROAD IMPROVEMENTS</b> <b>PROPOSED ROADWAY PLAN AND PROFILE</b>		F.A.U. RTE. 1551	SECTION 14-00275-05-RS	COUNTY DUPAGE	TOTAL SHEETS 58	SHEET NO. 15
	PLOT SCALE = 2"=80' PLOT DATE = 10/21/2015	CHECKED - JS	REVISED -		SCALE:-- SHEET OF SHEETS STA. TO STA.	CONTRACT NO. 61C08 ILLINOIS FED. AID PROJECT					
FILE NAME = RPP_140029PH2-02.SHT	DATE = 10/20/15	DATE = 10/20/15	REVISED -								

**PAVING LEGEND:**

-  HOT-MIX ASPHALT RESURFACING
-  PCC BASE COURSE OR CLASS D PATCHES (SEE TYPICAL SECTIONS)
-  PCC SIDEWALK, 5"  
PCC SIDEWALK, 8" (AT COMMERCIAL ENTRANCES)
-  HMA DRIVEWAY PAVEMENT, 4" (PE), 10" (CE)  
AGGREGATE BASE COURSE, TYPE B, 8" (PE), 6" (CE)



**PAVEMENT MARKING LEGEND:**

- 1** THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)
- 2** THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) WITH RECESSED REFLECTIVE PAVEMENT MARKERS (2 ONE-WAY WHITE MARKER) (80' C-C)
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- 10** RECESSED REFLECTIVE PAVEMENT MARKERS (ONE WAY YELLOW MARKER)
- 11** RECESSED REFLECTIVE PAVEMENT MARKERS (ONE WAY WHITE MARKER)

**B** 9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

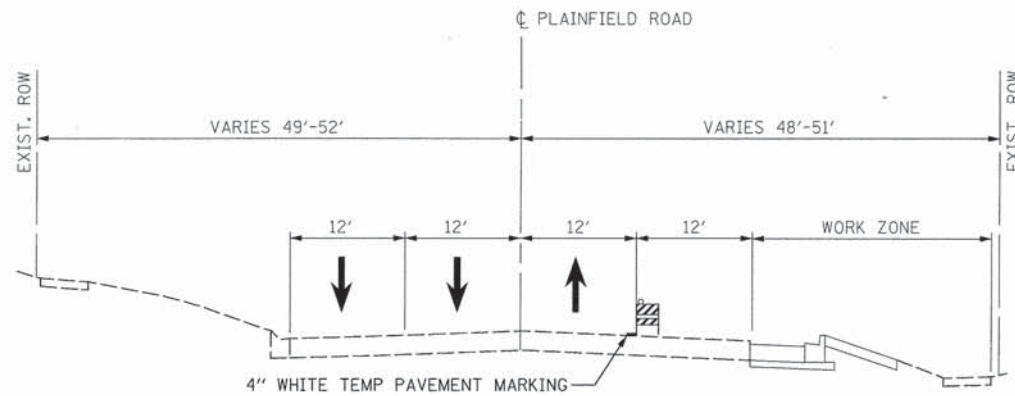
USER NAME = mthomas	DESIGNED - MT	REVISED -
PLOT SCALE = 5/8"	DRAWN - PN	REVISED -
PLOT DATE = 10/21/2015	CHECKED - JS	REVISED -
	DATE - 10/20/15	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PLAINFIELD ROAD IMPROVEMENTS PROPOSED ROADWAY PLAN</b>			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

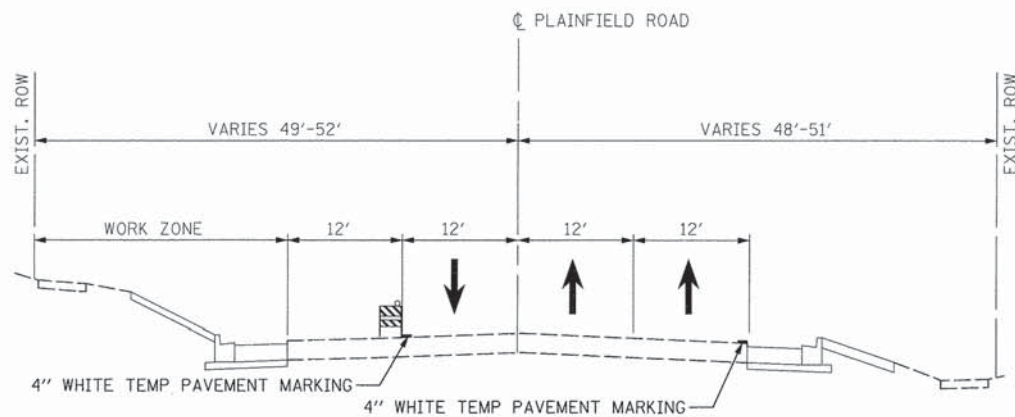
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1551	14-00275-05-RS	DUPAGE	58	16
				CONTRACT NO. 61C08
ILLINOIS FED. AID PROJECT				





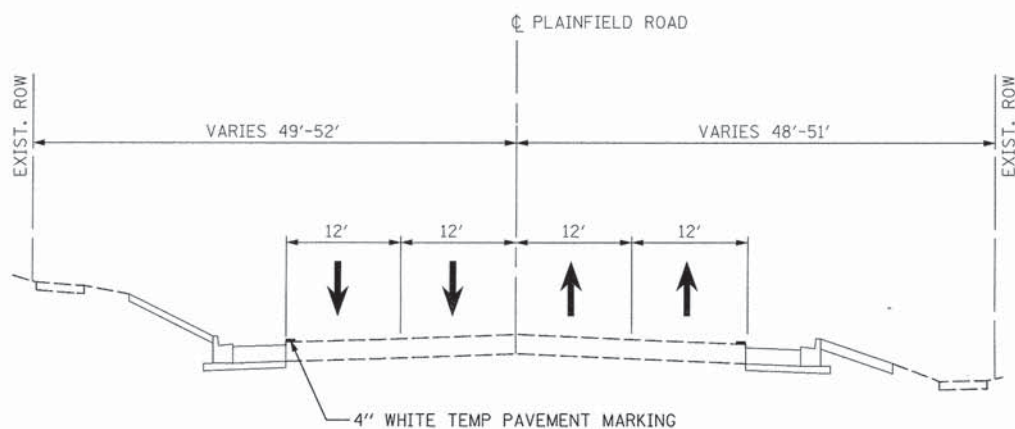
**PLAINFIELD ROAD  
STAGE 1**

THE STAGE 1 LANE CLOSURE WILL BE ALLOWED TO REMAIN IN PLACE FOR A MAXIMUM OF 14 CALENDAR DAYS



**PLAINFIELD ROAD  
STAGE 2**

THE STAGE 2 LANE CLOSURE WILL BE ALLOWED TO REMAIN IN PLACE FOR A MAXIMUM OF 14 CALENDAR DAYS



**PLAINFIELD ROAD  
STAGE 3**

**CONSTRUCTION STAGING**

THE FOLLOWING IS THE CONSTRUCTION STAGING FOR THIS PROJECT. THE PURPOSE OF THIS STAGING IS TO MINIMIZE DELAYS TO THE MOTORIST. THE CONTRACTOR MAY ALTER THE SEQUENCE OF CONSTRUCTION WITH THE PRIOR APPROVAL OF THE ENGINEER.

PRIOR TO THE START OF CONSTRUCTION, REQUIRED TRAFFIC CONTROL DEVICES SHALL BE IN PLACE.

- PRE-STAGE:
- TREE REMOVAL AND PRUNING
  - UTILITY RELOCATION
  - EROSION CONTROL

- STAGE 1A
- CURB AND GUTTER, DRAINAGE AND SIDEWALK REMOVAL ALONG SOUTH SIDE OF PLAINFIELD ROAD AND BAILEY ROAD.
  - GRADING WORK ON SOUTH SIDE OF PLAINFIELD ROAD.
  - CONSTRUCT PROPOSED DRAINAGE ON SOUTH SIDE OF PLAINFIELD ROAD.
  - BEGIN TRAFFIC SIGNAL CONSTRUCTION ON SOUTH SIDE OF PLAINFIELD ROAD.
  - CLOSE ONE EASTBOUND LANE ON PLAINFIELD ROAD UTILIZING HIGHWAY STANDARD 701606.

- STAGE 1B
- CONSTRUCT CURB AND GUTTER ALONG SOUTH SIDE OF PLAINFIELD ROAD.
  - CONSTRUCT PCC WIDENING (BINDER AND SURFACE COURSE WILL BE CONSTRUCTED IN POST STAGE)
  - CLOSE ONE EASTBOUND LANE ON PLAINFIELD ROAD UTILIZING HIGHWAY STANDARD 701606.

- STAGE 2A
- CURB AND GUTTER, DRIVEWAY, DRAINAGE AND SIDEWALK REMOVAL ALONG NORTH SIDE OF PLAINFIELD ROAD.
  - GRADING WORK ON NORTH SIDE OF PLAINFIELD ROAD.
  - CONSTRUCT PROPOSED DRAINAGE ON NORTH SIDE OF PLAINFIELD ROAD.
  - BEGIN TRAFFIC SIGNAL CONSTRUCTION ON NORTH SIDE OF PLAINFIELD ROAD.
  - CLOSE ONE WESTBOUND LANE ON PLAINFIELD ROAD UTILIZING HIGHWAY STANDARD 701606.

- STAGE 2B
- CONSTRUCT CURB AND GUTTER AND DRIVEWAY PAVEMENT ALONG NORTH SIDE OF PLAINFIELD ROAD.
  - CONSTRUCT PCC WIDENING (BINDER AND SURFACE COURSE WILL BE CONSTRUCTED IN POST STAGE)
  - CLOSE ONE WESTBOUND LANE ON PLAINFIELD ROAD UTILIZING HIGHWAY STANDARD 701606.

- STAGE 3
- CONSTRUCT TRAFFIC SIGNALS AND WATER MAIN REPLACEMENT
  - WORK WILL BE PERFORMED USING DAYTIME LANE CLOSURES AS NECESSARY UTILIZING HIGHWAY STANDARDS 701606, 701611 AND 701701.

- POST STAGE
- GRINDING AND RESURFACING OF PLAINFIELD AND BAILEY ROADS WITHIN THE PROJECT LIMITS
  - PAVEMENT PATCHING AND MANHOLE ADJUSTMENTS
  - PAVEMENT MARKING PLACEMENT
  - WORK WILL BE PERFORMED USING HIGHWAY STANDARDS 701427, 701606 AND 701611

**TRAFFIC CONTROL GENERAL NOTES**

1. AT LEAST ONE LANE OF TRAFFIC IN EACH DIRECTION ON PLAINFIELD ROAD SHALL REMAIN OPEN AT ALL TIMES.
2. TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN, TRAFFIC SIGNAL PLANS, THESE NOTES, APPLICABLE SPECIAL PROVISIONS, AND SECTION 701 OF THE STANDARD SPECIFICATIONS AS AMENDED BY THE SPECIAL PROVISION FOR WORK ZONE TRAFFIC CONTROL (CHECK SHEET LRS 3).
3. THE TYPE III BARRICADES ARE TO BE PLACED IN ACCORDANCE WITH STANDARD 701901 UNLESS AUTHORIZED BY THE ENGINEER TO USE AN ALTERNATE ARRANGEMENT.
4. EXISTING TRAFFIC CONTROL SIGNS AND DEVICES WILL BE REMOVED BY THE DU PAGE COUNTY DIVISION OF TRANSPORTATION AFTER THE TRAFFIC CONTROL REQUIREMENTS ARE MET OR AS AUTHORIZED BY THE ENGINEER; ANY SIGNS OR DEVICES LEFT IN PLACE AT THIS TIME ARE TO BE RELOCATED, MAINTAINED AND PROTECTED FROM DAMAGE BY THE CONTRACTOR AND ANY DAMAGED OR LOST SIGNS WILL BE REPLACED BY THE CONTRACTOR.
5. TYPE I OR TYPE II BARRICADES, DRUMS, OR VERTICAL PANELS WITH MONODIRECTIONAL STEADY-BURN LIGHTS SHALL BE REQUIRED ALONG TEMPORARY ROADS, DETOURS, AND SIDE STREETS TO DELINEATE THE TRAVELED WAY WITHIN THE CONSTRUCTION ZONE. THE MAXIMUM SPACING FOR THESE DEVICES SHALL BE 100 FEET CENTER TO CENTER.
6. ANY DROP OFF GREATER THAN THREE (3) INCHES WITHIN SIXTEEN (16) FEET OF A TRAVEL LANE SHALL BE PROTECTED BY TYPE I OR TYPE II BARRICADES, DRUMS OR VERTICAL PANELS WITH MONODIRECTIONAL STEADY-BURN LIGHTS AT 50 FOOT (MAXIMUM) CENTER TO CENTER SPACING. IF THE DROP OFF IS GREATER THAN TWENTY-FOUR (24) INCHES AND EXISTS FOR LONGER THAN 24 HOURS, IT SHALL BE PROTECTED BY TEMPORARY CONCRETE BARRIER. TEMPORARY CONCRETE BARRIER SHALL HAVE MONODIRECTIONAL STEADY-BURN LIGHTS AT 50 FOOT (MAXIMUM) CENTER TO CENTER SPACING. THE CONTRACTOR SHALL SCHEDULE HIS WORK AND OPERATIONS SUCH THAT A DROP OFF OF GREATER THAN 24 INCHES DOES NOT REMAIN WITHIN SIXTEEN FEET OF A TRAVEL LANE FOR MORE THAN 24 HOURS. THE CONTRACTOR MAY PLACE COMPACTED EXCAVATED MATERIAL, AGGREGATE, OR OTHER MATERIAL IN THE DROP OFF TO SATISFY THIS REQUIREMENT. THE PLANS INDICATE AREAS (IF ANY) IN WHICH THE DEPARTMENT EXPECTS THAT TEMPORARY CONCRETE BARRIER WILL BE REQUIRED FOR A DROP OFF OF GREATER THAN 24 INCHES TO REMAIN FOR MORE THAN 24 HOURS. THE FURNISHING, PLACING, AND REMOVAL OF MATERIAL, OR ANY TEMPORARY CONCRETE BARRIER AND IMPACT ATTENUATORS, NOT SHOWN ON THE PLANS BUT REQUIRED IN ORDER TO MEET THESE REQUIREMENTS, SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).
7. BARRICADES THAT MUST BE PLACED IN EXCAVATED AREAS SHALL HAVE LEG EXTENSIONS INSTALLED SUCH THAT THE TOP OF THE BARRICADE IS IN COMPLIANCE WITH THE HEIGHT REQUIREMENTS OF STANDARD 701901.
8. TYPE I OR TYPE II BARRICADES WITH TWO-WAY FLASHING LIGHTS SHALL BE REQUIRED AT ALL OPEN TRENCHES, EXCAVATIONS, OPEN OR EXPOSED SEWER STRUCTURES, TRANSVERSE PAVEMENT JOINTS, MATERIALS OR EQUIPMENT WITHIN THE RIGHT-OF-WAY (NUMBER AND SPACING DEPENDS ON THE CONDITIONS); AND AT LOCATIONS DESIGNATED BY THE ENGINEER OR LOCAL LAW ENFORCEMENT AGENCIES.
9. TYPE I, II AND / OR III BARRICADES WITH TWO-WAY FLASHING LIGHTS WILL BE REQUIRED TO GUIDE TRAFFIC AWAY FROM PAVEMENT AREAS CLOSED FOR CONSTRUCTION.
10. THE COST OF SUPPLYING, ERECTING, AND MAINTAINING BARRICADES, WARNING LIGHTS, AND SIGNS WILL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION.
11. WHERE REQUIRED, TRAFFIC SIGNS SHALL BE RELOCATED FOR EACH STAGE OF CONSTRUCTION.
12. ARROW BOARDS WILL BE REQUIRED WHEN IMPLEMENTING ALL LANE CLOSURES.

THE FOLLOWING TRAFFIC CONTROL STANDARDS ARE THE MINIMUM REQUIREMENTS FOR THE TRAFFIC CONTROL FOR THIS PROJECT:

- 701427 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS <= 40 MPH
- 701502 URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
- 701606 URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
- 701611 URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
- 701701 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901 TRAFFIC CONTROL DEVICES

TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDEROADS, INTERSECTIONS AND DRIVEWAYS

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ARTICLE VII OF THE DuPAGE COUNTY COUNTYWIDE STORMWATER AND FLOOD PLAIN ORDINANCE, EFFECTIVE APRIL 2013 AND ALL SUBSEQUENT REVISIONS. ALL SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSTALLED PER IDOT STANDARD 280001 OR AS SPECIFIED HEREIN AND PAID FOR IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS. ALL CONSTRUCTION ACTIVITIES WILL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMITS ILR10 AND ILR40.

2. EROSION CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE SEQUENCE OF STAGE CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A DETAILED SCHEDULE FOR APPROVAL.

3. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE THE PROJECT SITE IS OTHERWISE DISTURBED.

4. ALL DISTURBED AREAS SHALL BE SEEDED OR SODDED AS SOON AS PRACTICAL AFTER CONSTRUCTION ACTIVITIES IN THAT AREA HAVE CONCLUDED. ALL ERODABLE/BARE AREAS SHALL BE SEEDED EVERY 7 DAYS WITH TEMPORARY EROSION CONTROL SEEDING. IF A TOPSOIL STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, EROSION CONTROL MEASURES WILL BE PROVIDED.

5. WHERE WETLANDS ARE TO REMAIN, THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PROTECT WETLANDS FROM DAMAGE BY SEDIMENT, CONSTRUCTION EQUIPMENT OR BY HIS WORK CREWS. THE CONTRACTOR SHALL ASSURE THAT DEBRIS OR ANY CONSTRUCTION MATERIAL IS NOT DISPOSED OF OR STOCKPILED IN WETLANDS.

6. STOCKPILES AND MATERIAL STORAGE ARE PROHIBITED IN SPECIAL MANAGEMENT AREAS INCLUDING WETLANDS, WETLAND BUFFERS, AND FLOOD PLAINS. LOCATIONS OF STOCKPILES MUST BE APPROVED BY THE ENGINEER AND HAVE PROPER EROSION CONTROL MEASURES.

7. RECEPTACLES FOR CONSTRUCTION DEBRIS, INCLUDING CONCRETE TRUCK WASHOUT WASTE, SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR. THESE WILL NOT BE ALLOWED IN SPECIAL MANAGEMENT AREAS. RECEPTACLES AND THEIR LOCATIONS MUST BE APPROVED BY THE ENGINEER AND HAVE PROPER EROSION CONTROL MEASURES. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE APPLICABLE ITEMS OF WORK.

8. HAY OR STRAW BALES WILL NOT BE ALLOWED AS PERIMETER EROSION BARRIER OR AS A DITCH CHECK.

9. WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.

10. WHEN TEMPORARY DRAINAGE IS ESTABLISHED, EROSION CONTROL MEASURES MAY BE REQUIRED BY THE ENGINEER.

11. GRAVEL ROADS, ACCESS DRIVES, PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH, AND VEHICLE WASH DOWN FACILITIES IF NECESSARY, SHALL BE PROVIDED TO PREVENT SOIL FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SOIL REACHING A PUBLIC OR PRIVATE ROADWAY SHALL BE REMOVED BEFORE THE END OF EACH WORKDAY AND AS NEEDED.

12. CLEANING OF VEHICLES AND EQUIPMENT, INCLUDING CONCRETE MIXERS, SHALL BE PERFORMED IN A MANNER TO REDUCE THE AMOUNT OF POLLUTANTS TRIBUTARY TO STORM SEWERS AND OPEN WATERS TO THE MAXIMUM EXTENT PRACTICAL.

13. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION RUNOFF. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.

14. SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON A REGULAR BASIS. SEDIMENT SHALL BE REMOVED FROM EROSION CONTROL SYSTEMS WHEN THE HEIGHT OF THE SEDIMENT EXCEEDS ONE-HALF OF THE HEIGHT OF THE FILTER DEVICE.





15. ALL EROSION CONTROL MEASURES SHALL BE KEPT OPERATIONAL AND MAINTAINED CONTINUOUSLY THROUGHOUT THE PERIOD OF LAND DISTURBANCE UNTIL PERMANENT SEDIMENT AND EROSION CONTROL MEASURES ARE OPERATIONAL.

16. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED.

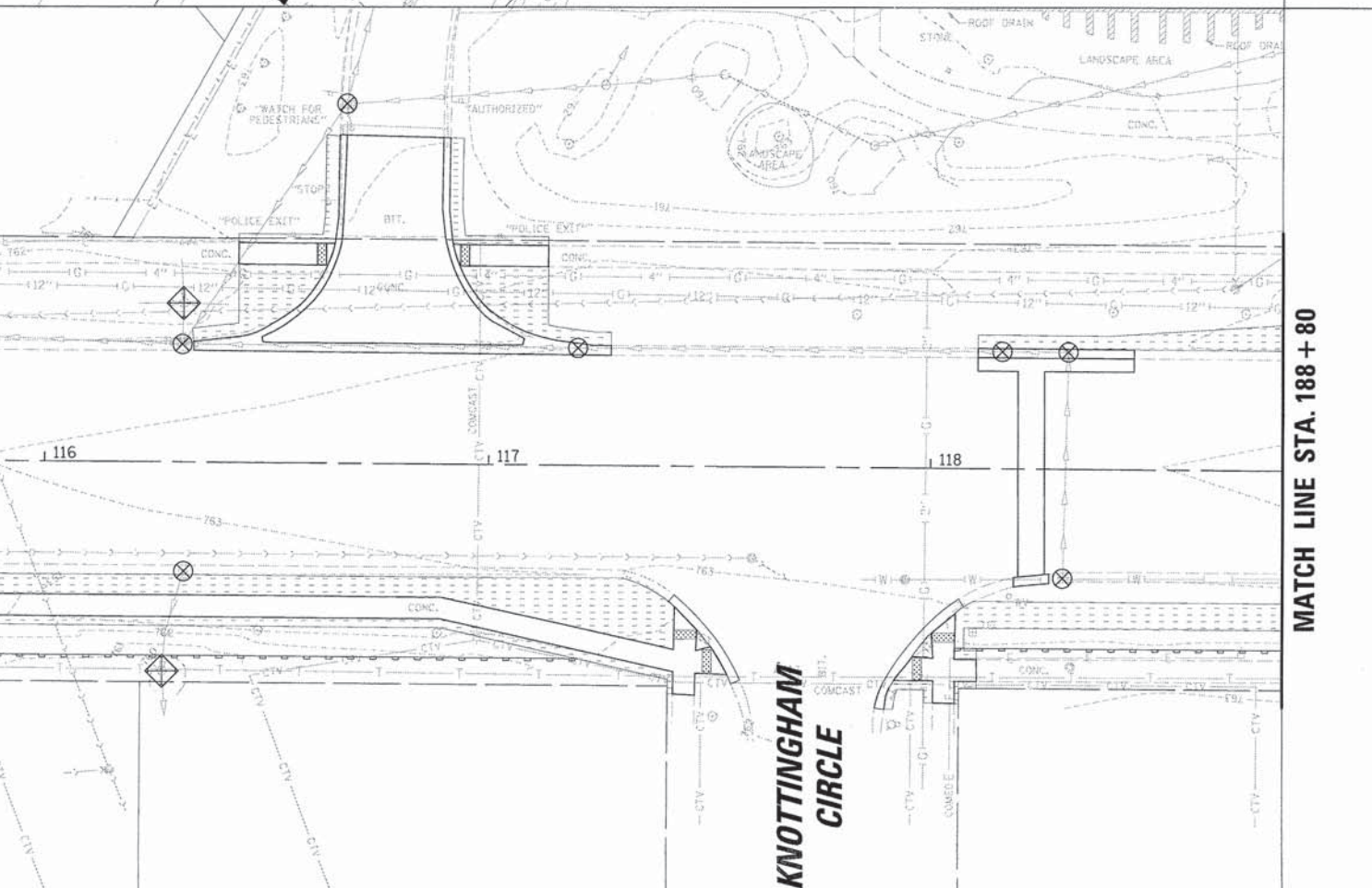
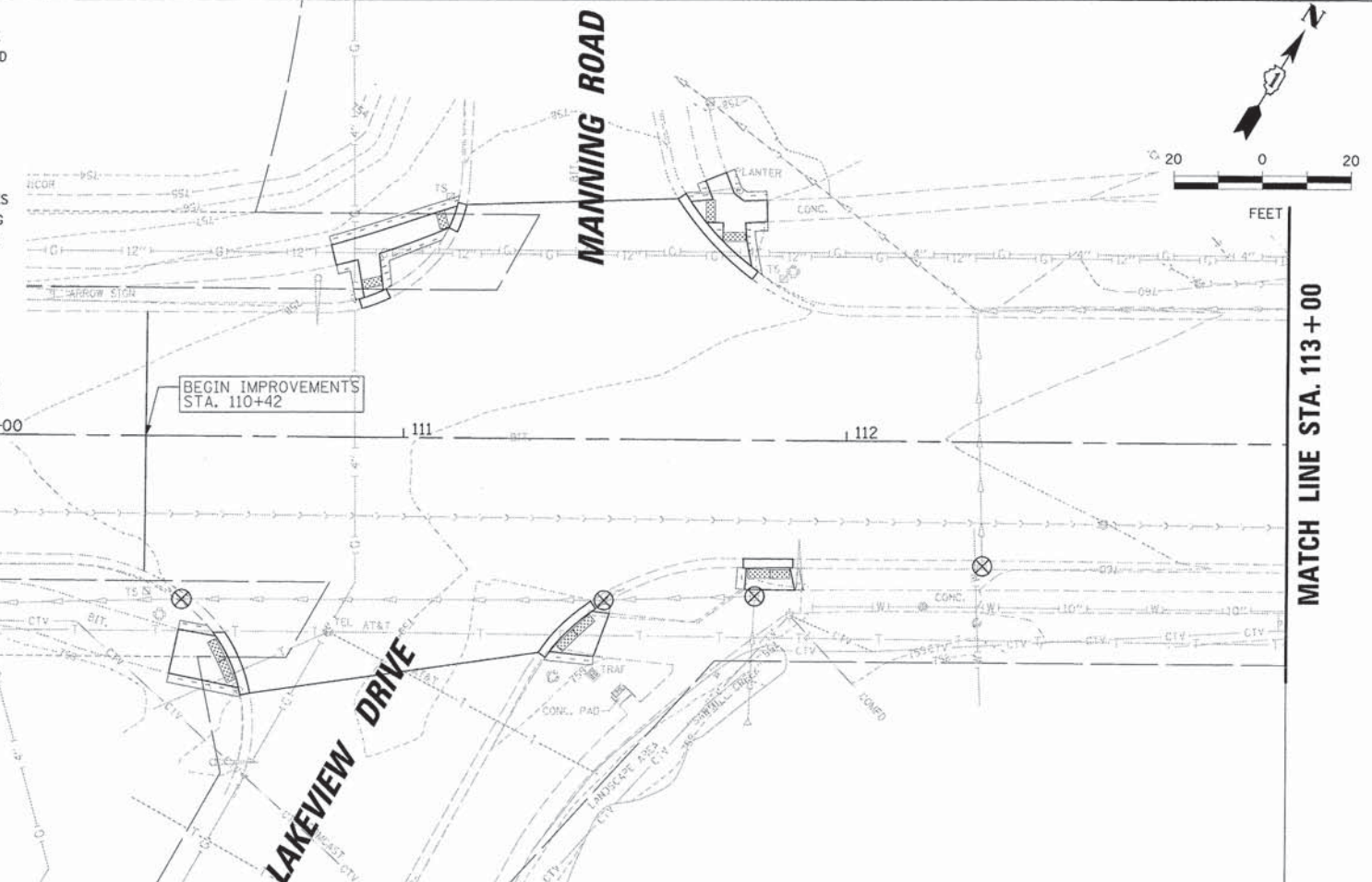
17. THE ENGINEER SHALL INSPECT EROSION CONTROL MEASURES PERIODICALLY AND WITHIN 24 HOURS OF ANY STORM EXCEEDING 1/2 INCH PRECIPITATION. DAMAGED AND INEFFECTIVE EROSION CONTROL MEASURES SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR WITHIN 24 HOURS. EROSION CONTROL SYSTEMS REPLACED DUE TO SEDIMENT LOADING WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE APPLICABLE EROSION CONTROL ITEM.

18. THE COST OF REMOVING SEDIMENT OR REPAIRING EROSION CONTROL SYSTEMS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE APPLICABLE EROSION CONTROL ITEM.

**EROSION CONTROL LEGEND:**

-  PERIMETER EROSION BARRIER
-  SODDING, SALT TOLERANT
-  INLET FILTER
-  INLET AND PIPE PROTECTION

UNLESS OTHERWISE SHOWN, SODDING WILL BE PAID FOR A MAXIMUM OF 2 FEET BEYOND RECONSTRUCTED SIDEWALK, CURB AND GUTTER, OR TRENCH LIMITS



9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = mthomas  
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PLOT DATE 10/21/2015

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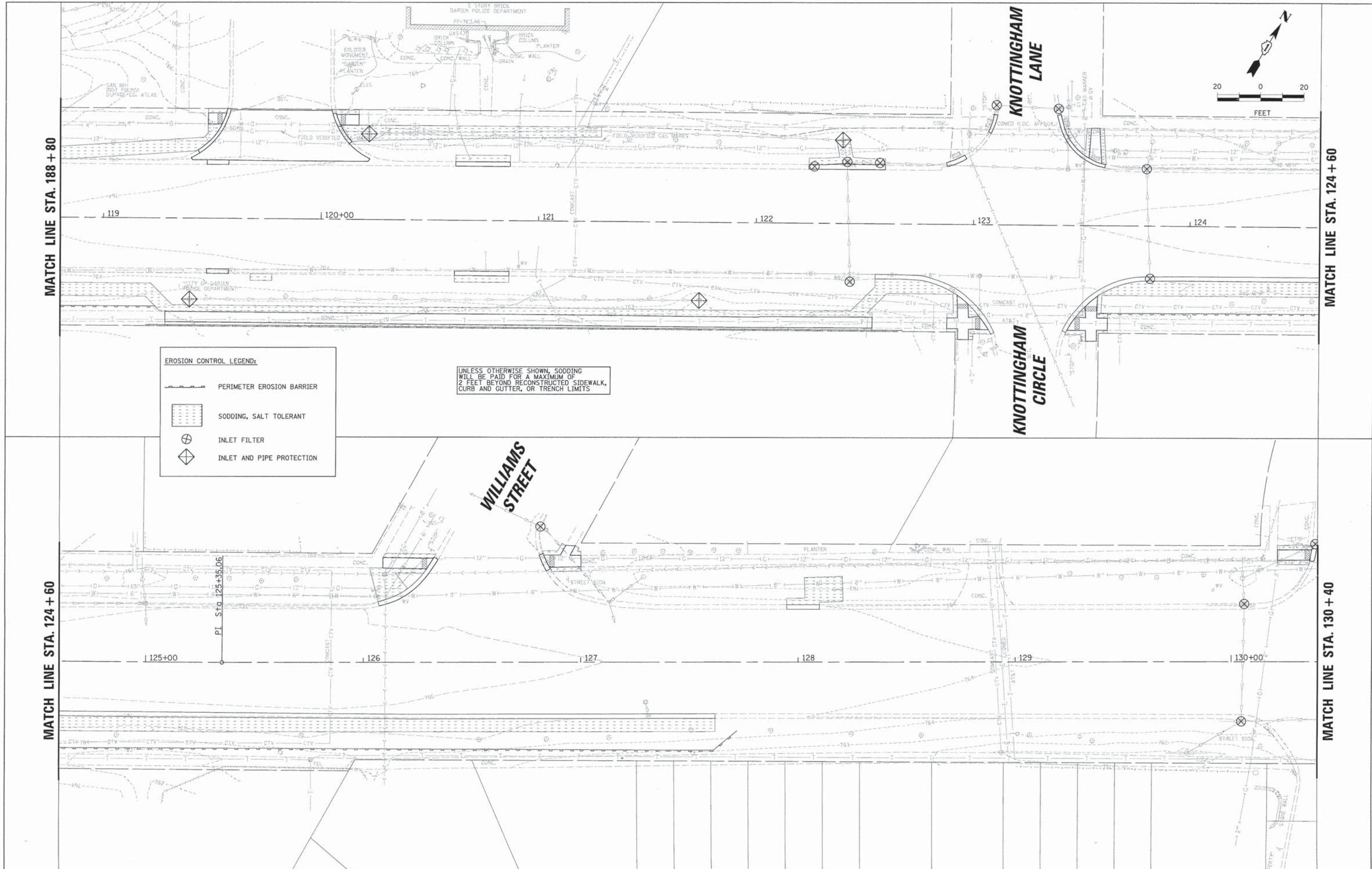
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAINFIELD ROAD IMPROVEMENTS  
EROSION CONTROL PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 1551	SECTION 14-00275-05-RS	COUNTY DUPAGE	TOTAL SHEETS 58	SHEET NO. 18
CONTRACT NO. 61C08			ILLINOIS FED. AID PROJECT	



**EROSION CONTROL LEGEND:**

- PERIMETER EROSION BARRIER
- SODDING, SALT TOLERANT
- INLET FILTER
- INLET AND PIPE PROTECTION

UNLESS OTHERWISE SHOWN, SODDING WILL BE PAID FOR A MAXIMUM OF 2 FEET BEYOND RECONSTRUCTED SIDEWALK, CURB AND GUTTER, OR TRENCH LIMITS

**PLC** 9575 W. Higgins Road, Suite 600  
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(847) 823-0500

USER NAME = mthomas  
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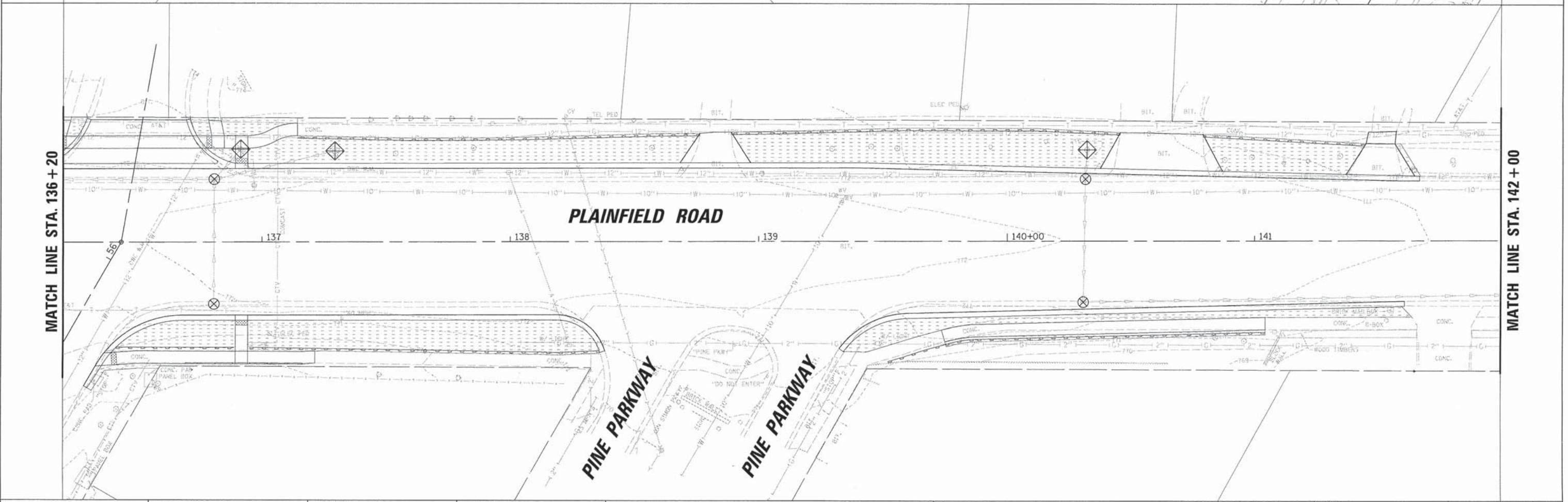
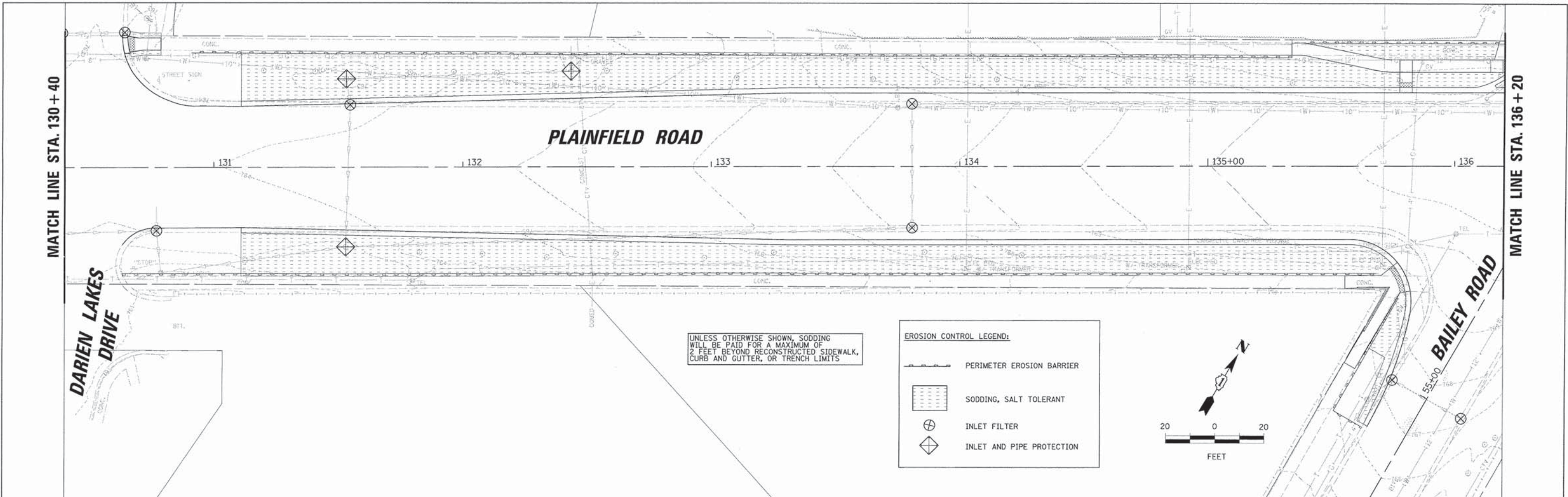
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAINFIELD ROAD IMPROVEMENTS  
EROSION CONTROL PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61C08				
ILLINOIS FED. AID PROJECT				

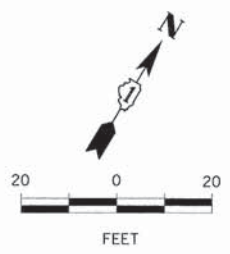
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UNLESS OTHERWISE SHOWN, SODDING WILL BE PAID FOR A MAXIMUM OF 2 FEET BEYOND RECONSTRUCTED SIDEWALK, CURB AND GUTTER, OR TRENCH LIMITS

**EROSION CONTROL LEGEND:**

- PERIMETER EROSION BARRIER
- SODDING, SALT TOLERANT
- INLET FILTER
- INLET AND PIPE PROTECTION



9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = mthomas  
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PLOT SCALE = 20"  
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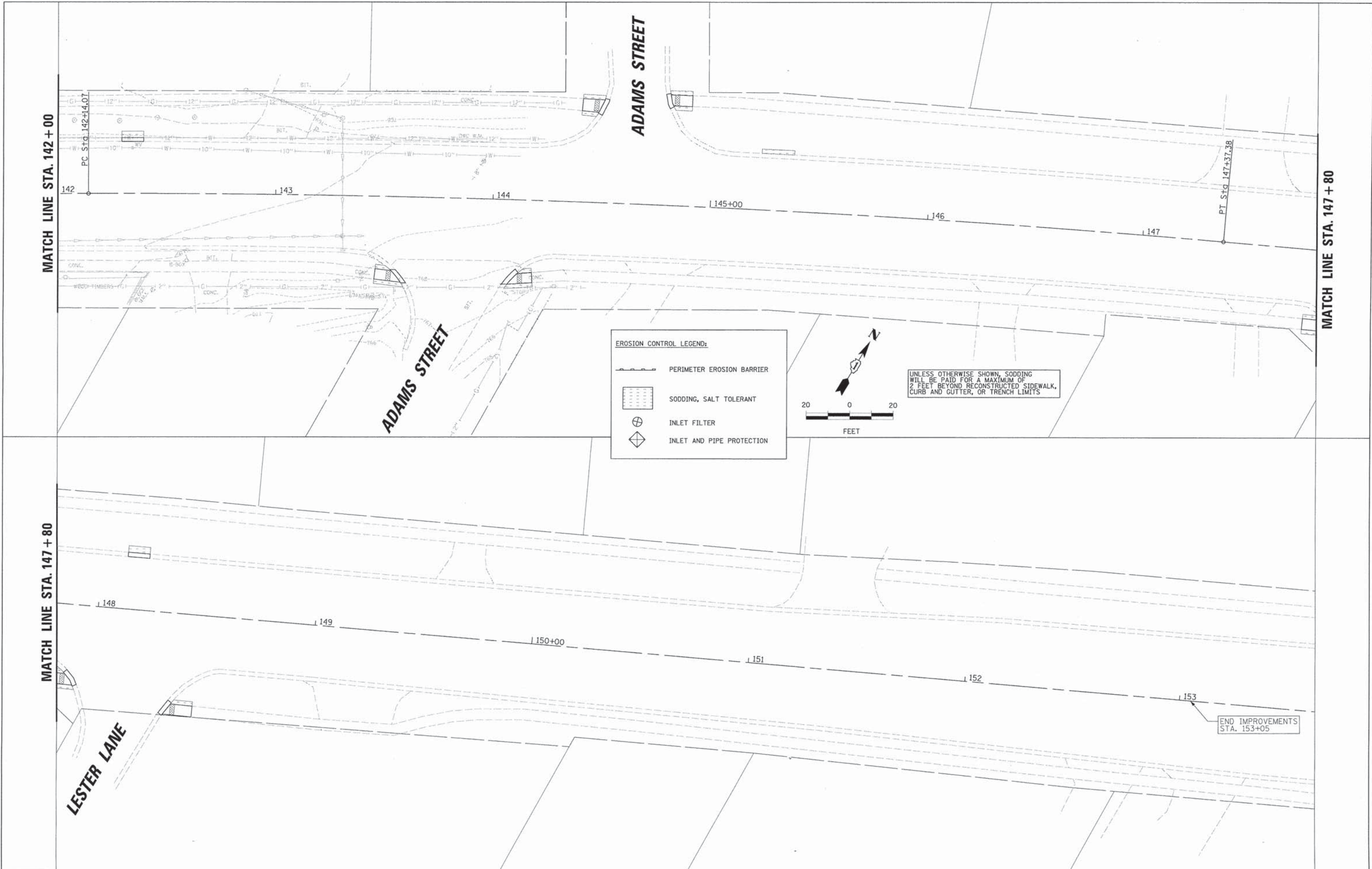
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAINFIELD ROAD IMPROVEMENTS  
EROSION CONTROL PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 1551	SECTION 14-00275-05-RS	COUNTY DUPAGE	TOTAL SHEETS 58	SHEET NO. 20
CONTRACT NO. 61C08			ILLINOIS FED. AID PROJECT	

FILE NAME = ECP\_140029PH2-03.SHT




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USER NAME = mthomas  
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PLAINFIELD ROAD IMPROVEMENTS**  
**EROSION CONTROL PLAN**

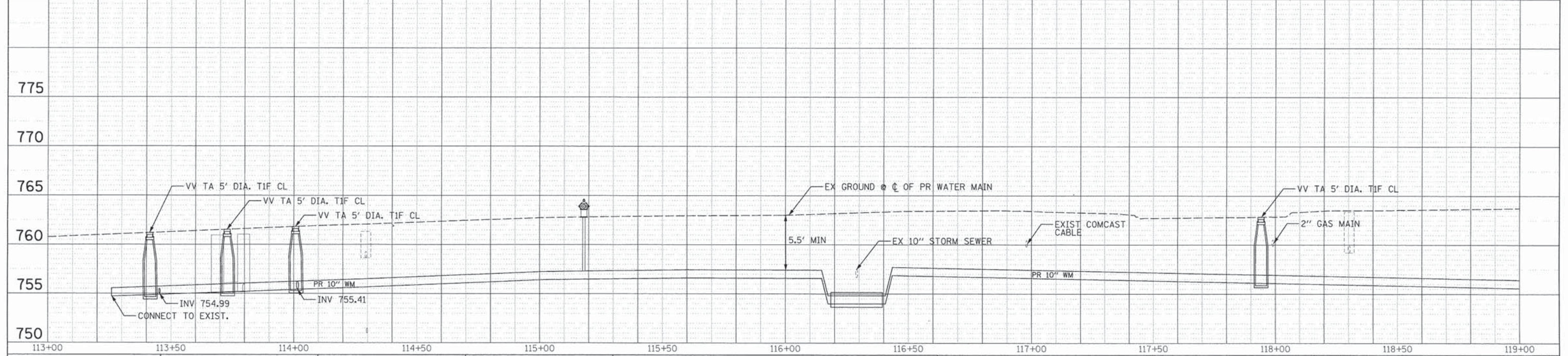
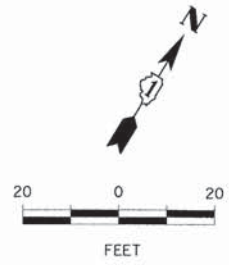
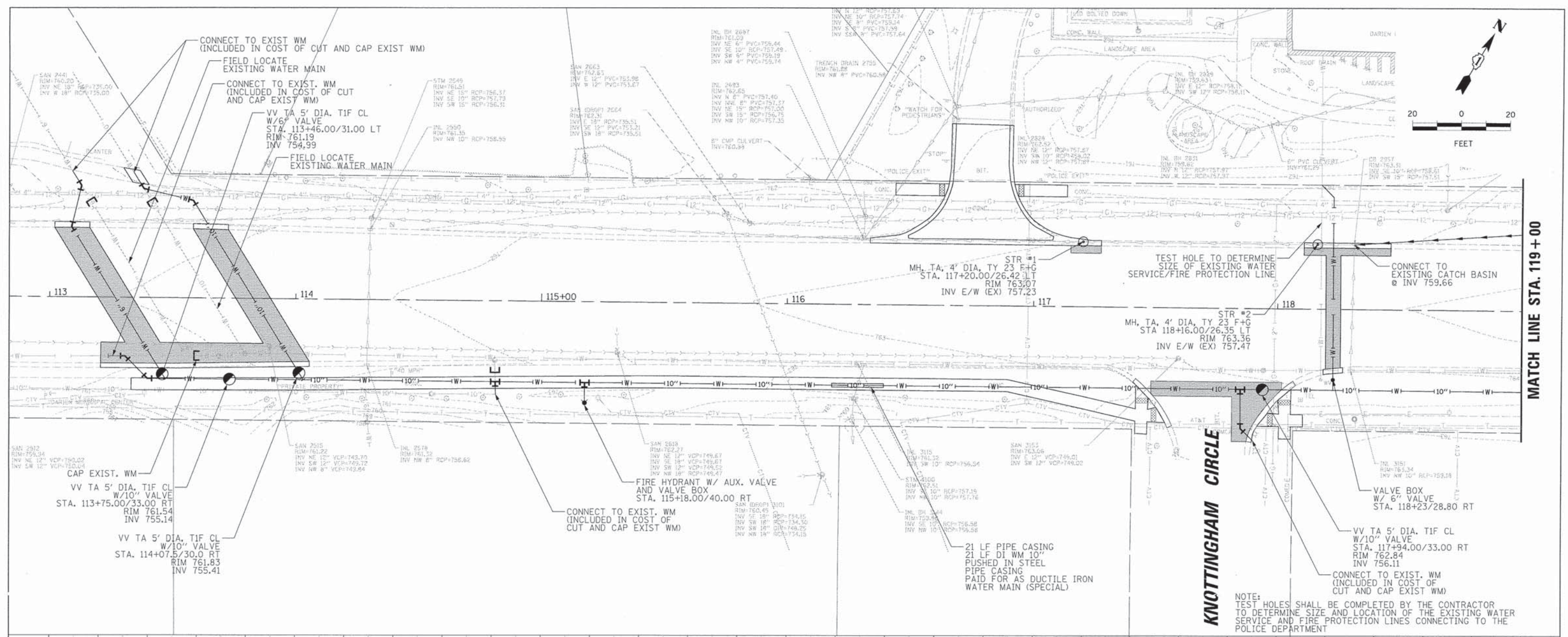
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1551	14-00275-05-RS	DUPAGE	58	21
CONTRACT NO. 61C08			ILLINOIS FED. AID PROJECT	

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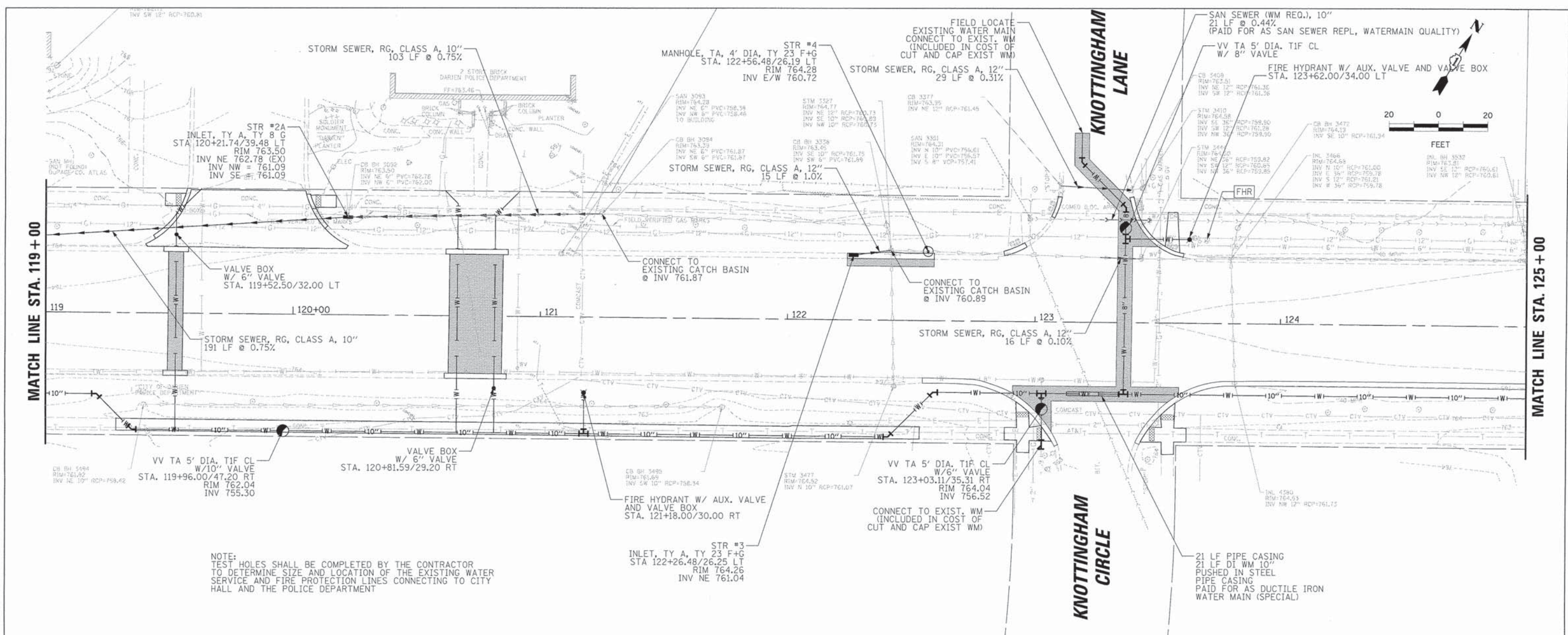
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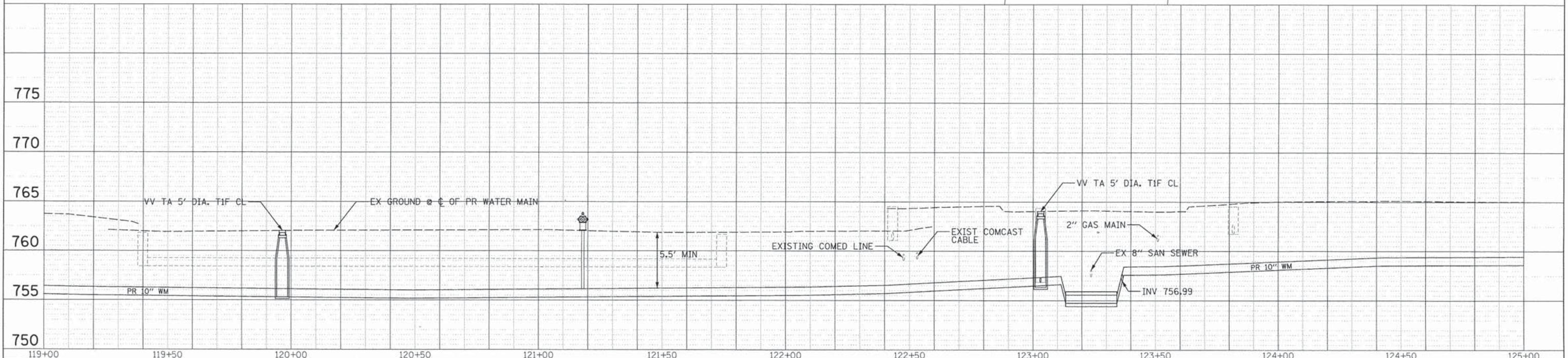
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NOTE:  
TEST HOLES SHALL BE COMPLETED BY THE CONTRACTOR TO DETERMINE SIZE AND LOCATION OF THE EXISTING WATER SERVICE AND FIRE PROTECTION LINES CONNECTING TO CITY HALL AND THE POLICE DEPARTMENT

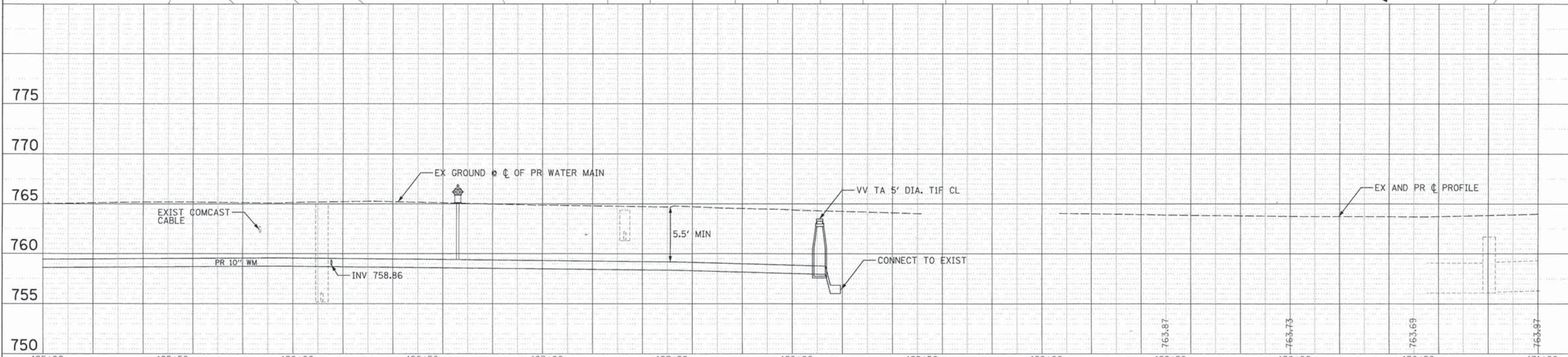
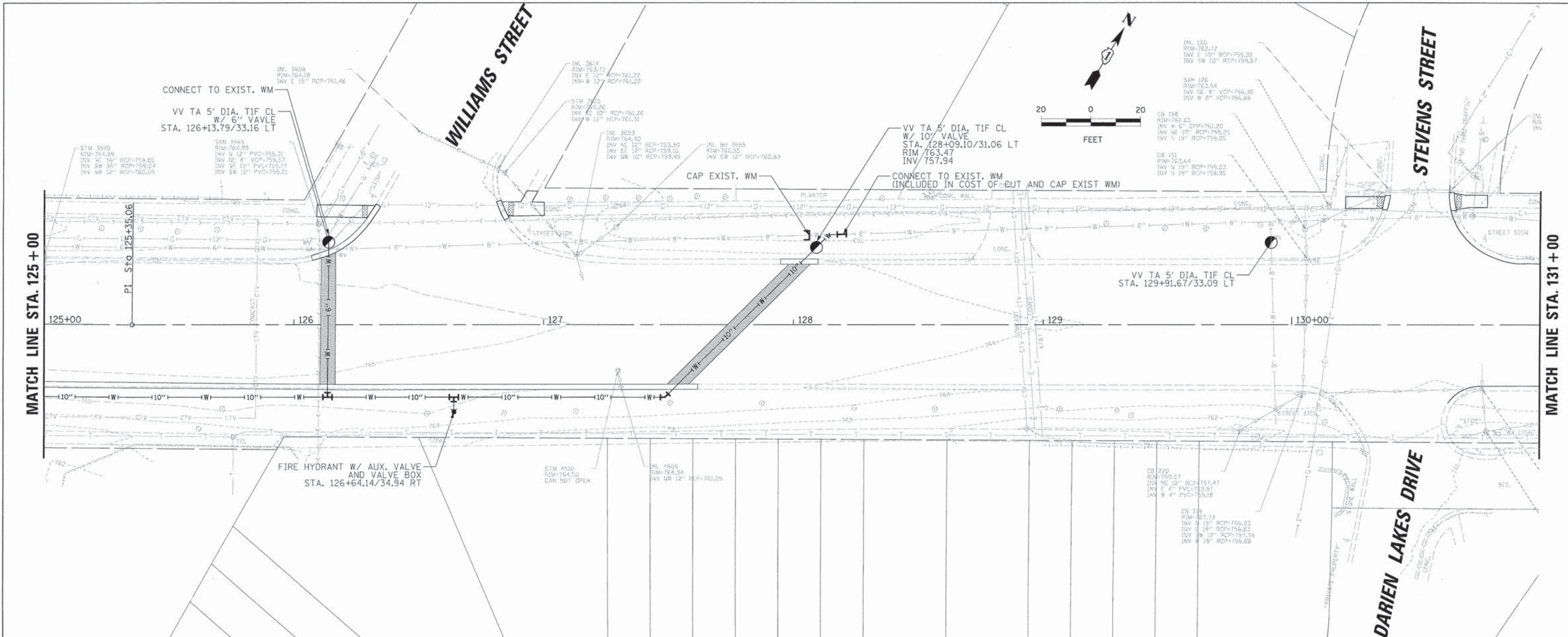


9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = mthomas PLOT SCALE = 20" PLOT DATE 10/21/2015	DESIGNED - MT DRAWN - PN CHECKED - JS DATE - 10/20/15	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>PLAINFIELD ROAD IMPROVEMENTS</b> <b>DRAINAGE/UTILITY PLAN AND PROFILE</b>	F.A.U. RTE. 1551 SECTION 14-00275-05-RS COUNTY DUPAGE TOTAL SHEETS 58 SHEET NO. 23	CONTRACT NO. 61C08 ILLINOIS FED. AID PROJECT
	SCALE: SHEET OF SHEETS STA. TO STA.						

FILE NAME = DPP\_140029PH2-02.SHT

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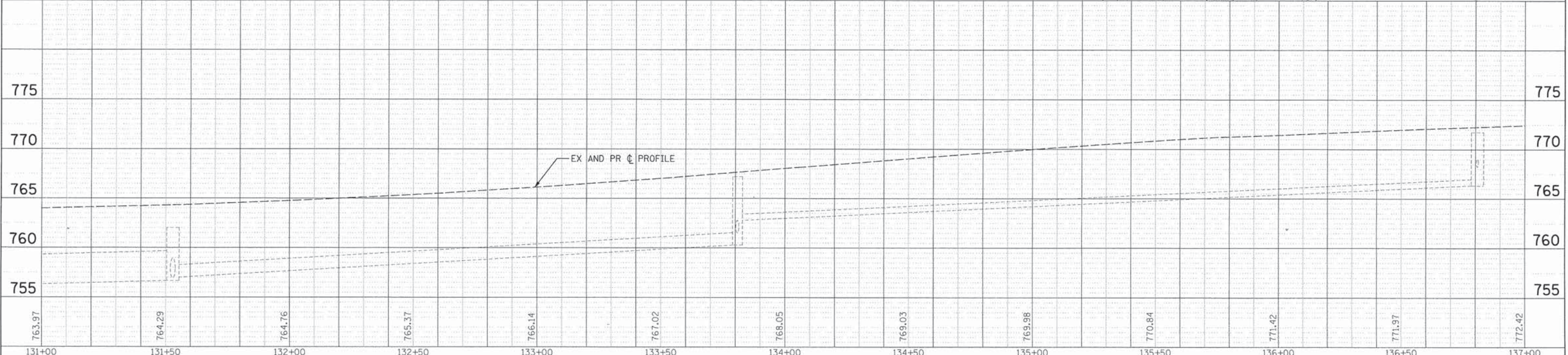
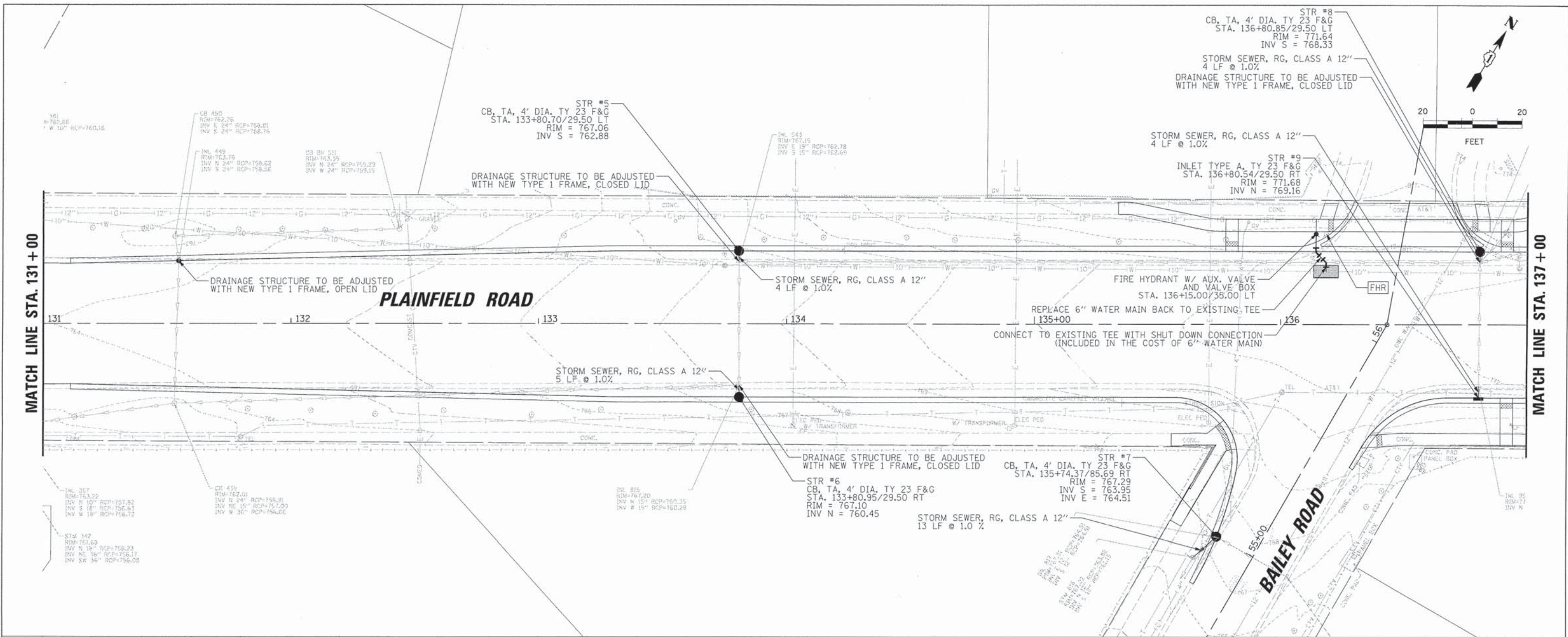
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USER NAME = mthomas			DESIGNED - MT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			PLAINFIELD ROAD IMPROVEMENTS DRAINAGE/UTILITY PLAN AND PROFILE			F.A.U. RTG: 1551	SECTION: 14-00275-05-RS	COUNTY: DUPAGE	TOTAL SHEETS: 58	SHEET NO.: 24
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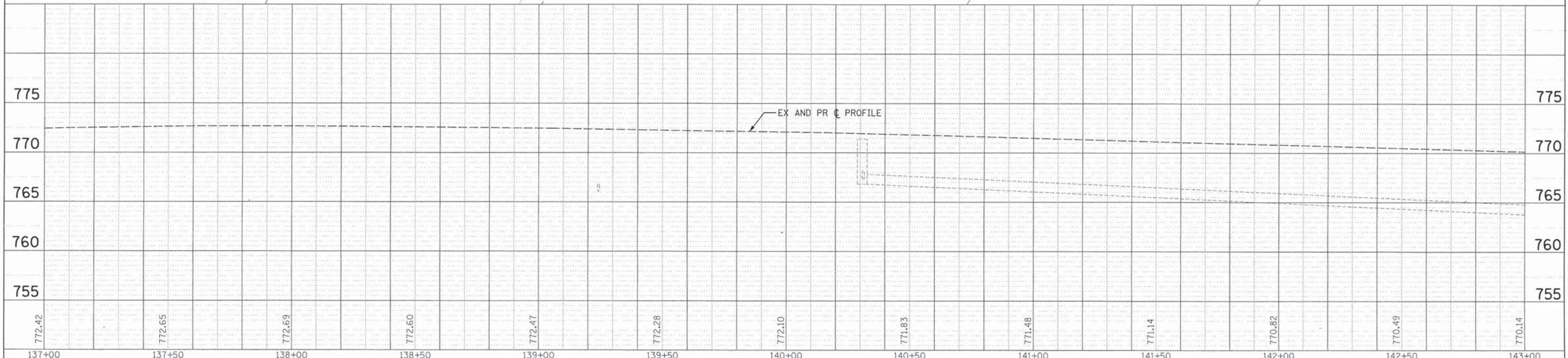
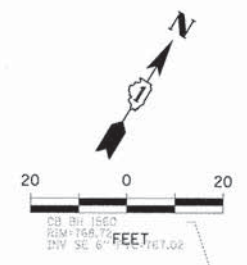
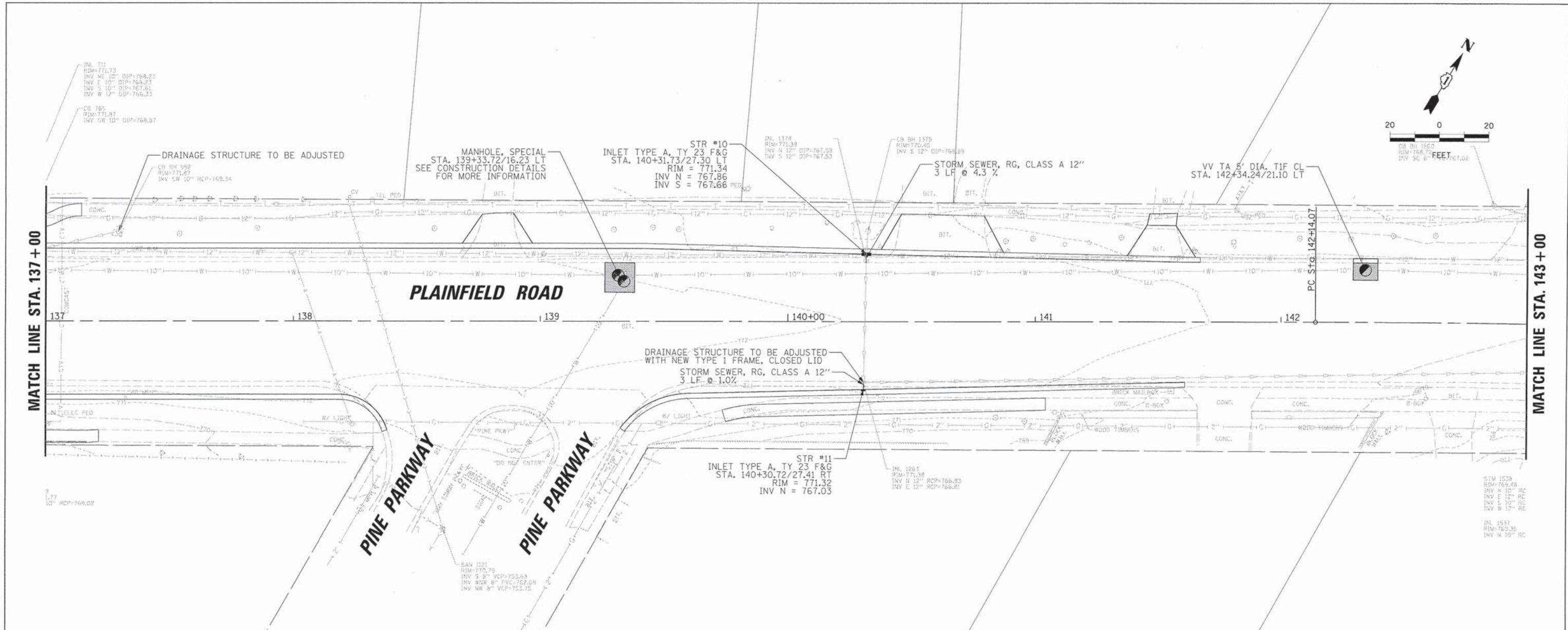
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9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = mthomas DESIGNED - MT DRAWN - PN CHECKED - JS DATE - 10/20/15	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>PLAINFIELD ROAD IMPROVEMENTS</b> <b>DRAINAGE/UTILITY PLAN AND PROFILE</b>		F.A.U. RTE. 1551 SECTION 14-00275-05-RS COUNTY DUPAGE TOTAL SHEETS 58 SHEET NO. 25 CONTRACT NO. 61C08 (ILLINOIS) FED. AID PROJECT
	PLOT SCALE = 20' PLOT DATE = 10/21/2015	SCALE: SHEET OF SHEETS STA. TO STA.		FILE NAME = DPP_140029PH2-04.SHT		

PLAN	DATE
SURVEYED	BY
ALIGNED	BY
CHECKED	BY
RT. OF WAY	BY
CHECKED	BY
NO.	NO.

PROFILE	DATE
SURVEYED	BY
GRADES	BY
CHECKED	BY
B.M. NOTED	BY
STRUCTURE	BY
NOTATIONS	BY
CHVD	BY
NO.	NO.



775	770	765	760	755	772.42	772.65	772.69	772.60	772.47	772.28	772.10	771.83	771.48	771.14	770.82	770.49	770.14	775	770	765	760	755	
137+00	137+50	138+00	138+50	139+00	139+50	140+00	140+50	141+00	141+50	142+00	142+50	143+00											

9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = mthomas	DESIGNED - MT	REVISED -
PLOT SCALE = 20'	DRAWN - PN	REVISED -
PLOT DATE 10/21/2015	CHECKED - JS	REVISED -
	DATE - 10/20/15	REVISED -

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

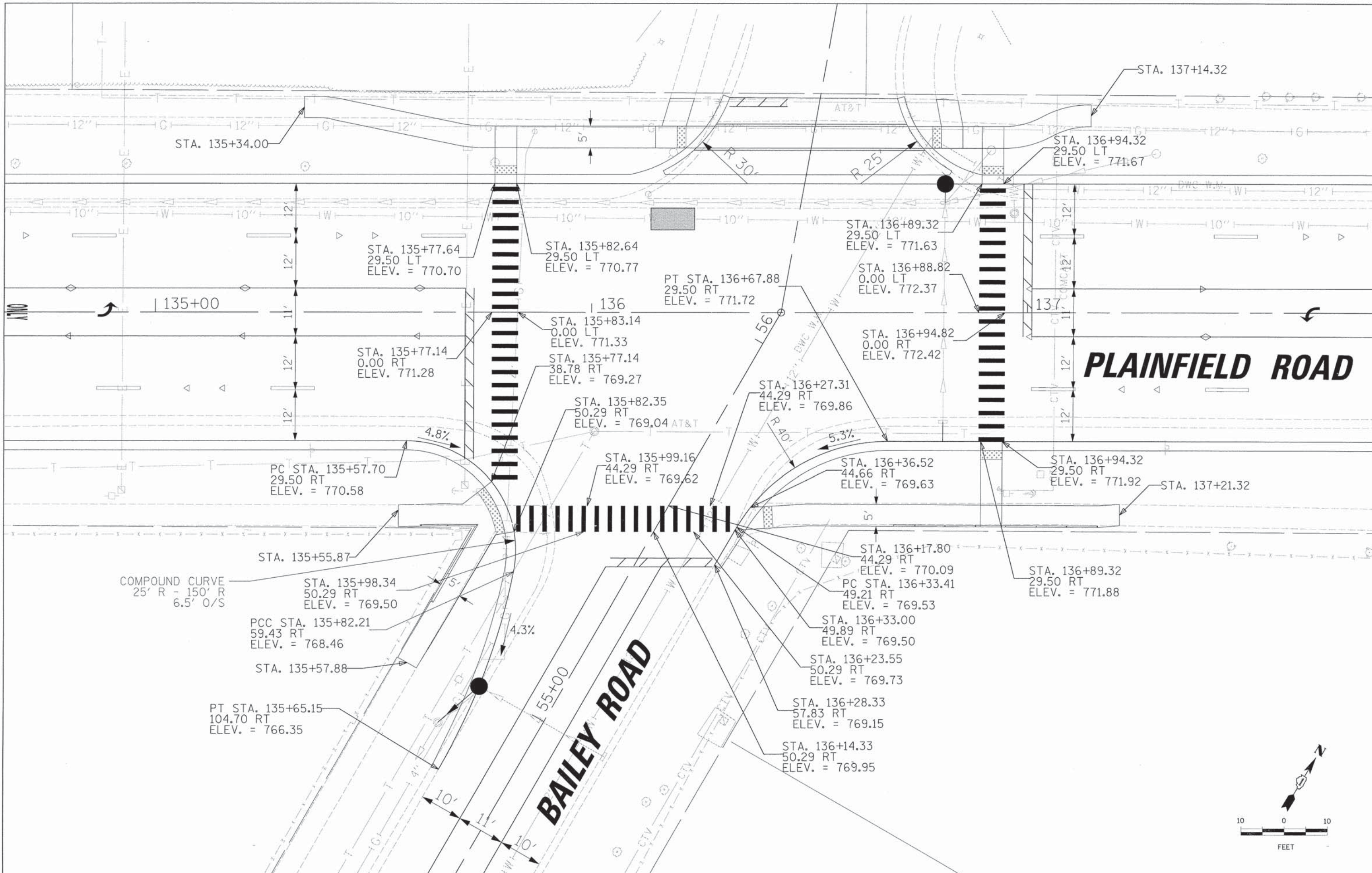
**PLAINFIELD ROAD IMPROVEMENTS**  
**DRAINAGE/UTILITY PLAN AND PROFILE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 1551	SECTION 14-00275-05-RS	COUNTY	TOTAL SHEETS 58	SHEET NO. 26
CONTRACT NO. 61C08			ILLINOIS FED. AID PROJECT	

FILE NAME = DPP\_140029PH2-05.SHT





USER NAME = mthomas  
 PLOT SCALE = 1/8"  
 PLOT DATE = 10/21/2015

DESIGNED - MT  
 DRAWN - PN  
 CHECKED - JS  
 DATE - 10/20/15

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLAINFIELD ROAD IMPROVEMENTS  
 INTERSECTION DETAIL**

SCALE: SHEET OF SHEETS STA. TO STA.

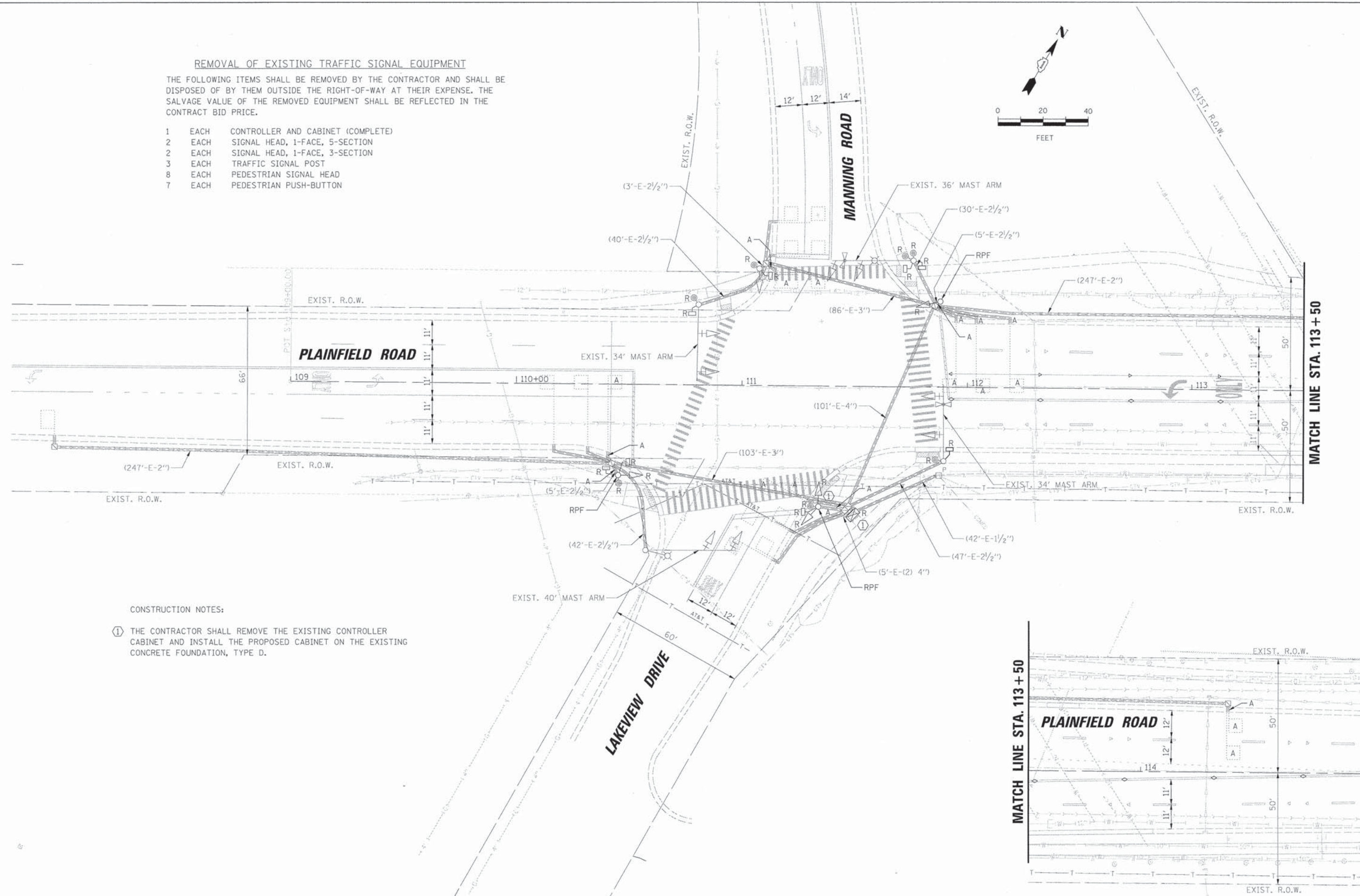
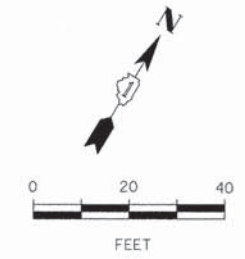
F.A.U. RTE. 1551	SECTION 14-00275-05-RS	COUNTY	TOTAL SHEETS 58	SHEET NO. 28
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61C08	

FILE NAME = N:\04RIEN\140029PH2\CIV\DET\_INT\_140029PH2-01.SHT

**REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT**

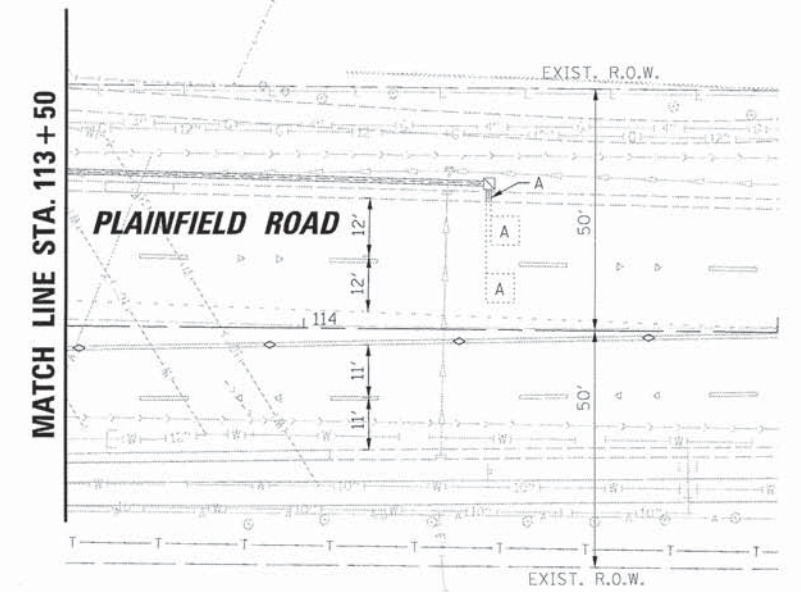
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 2 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 2 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 3 EACH TRAFFIC SIGNAL POST
- 8 EACH PEDESTRIAN SIGNAL HEAD
- 7 EACH PEDESTRIAN PUSH-BUTTON



**CONSTRUCTION NOTES:**

- ① THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER CABINET AND INSTALL THE PROPOSED CABINET ON THE EXISTING CONCRETE FOUNDATION, TYPE D.



9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = mthomas	DESIGNED - EAJ	REVISED -
	DRAWN - FCP / FPB	REVISED -
PLOT SCALE = 28"	CHECKED - GMZ	REVISED -
PLOT DATE = 10/21/2015	DATE - 10/20/15	REVISED -

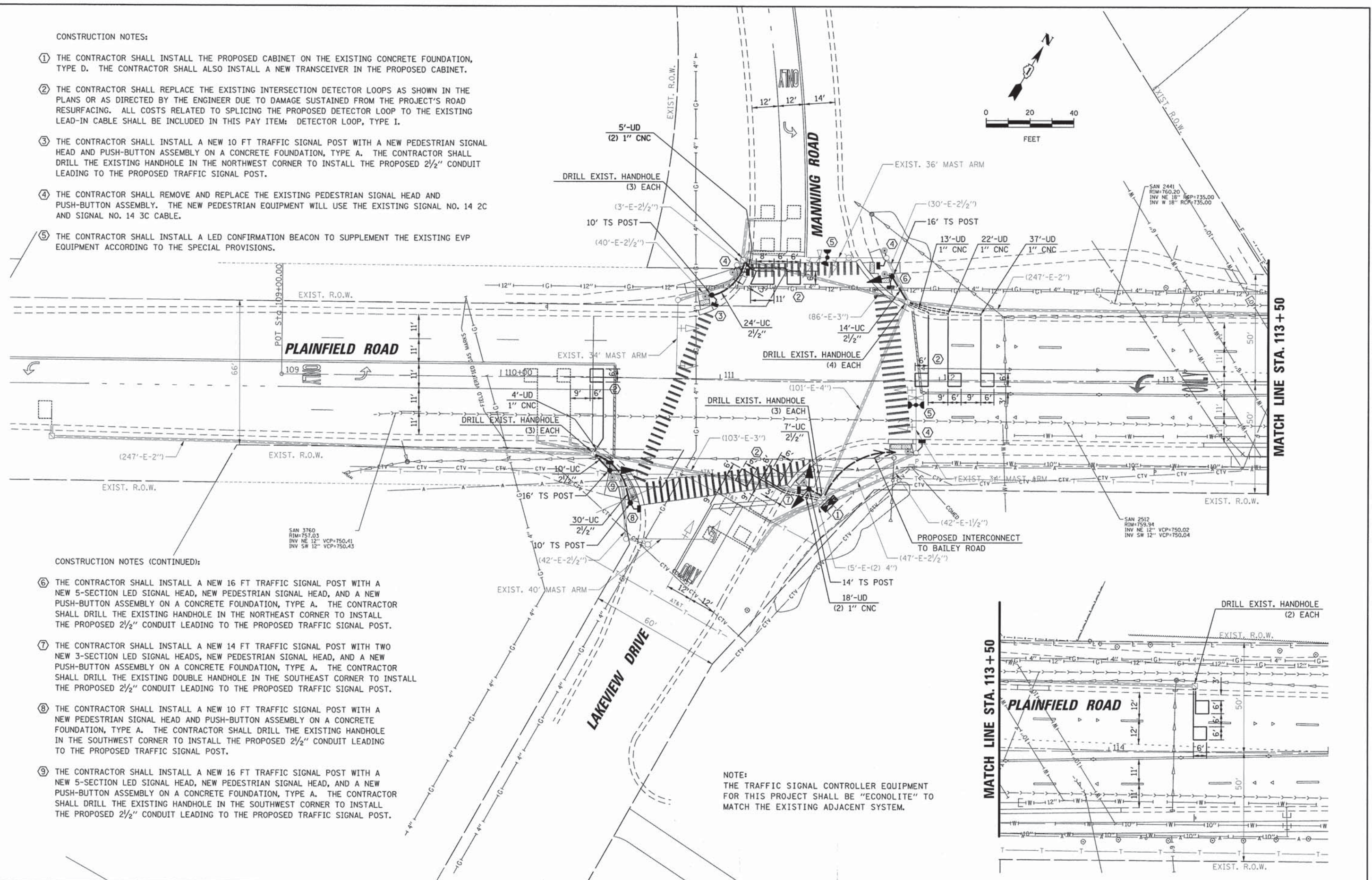
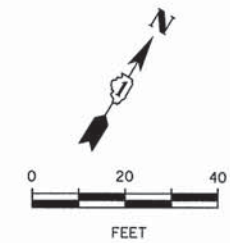
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL REMOVAL PLAN  
PLAINFIELD ROAD AND MANNING RD./LAKEVIEW DR.**

F.A.U. RTE. 1551	SECTION 14-00275-05-RS	COUNTY DUPAGE	TOTAL SHEETS 58	SHEET NO. 29
CONTRACT NO. 61C08			ILLINOIS FED. AID PROJECT	

CONSTRUCTION NOTES:

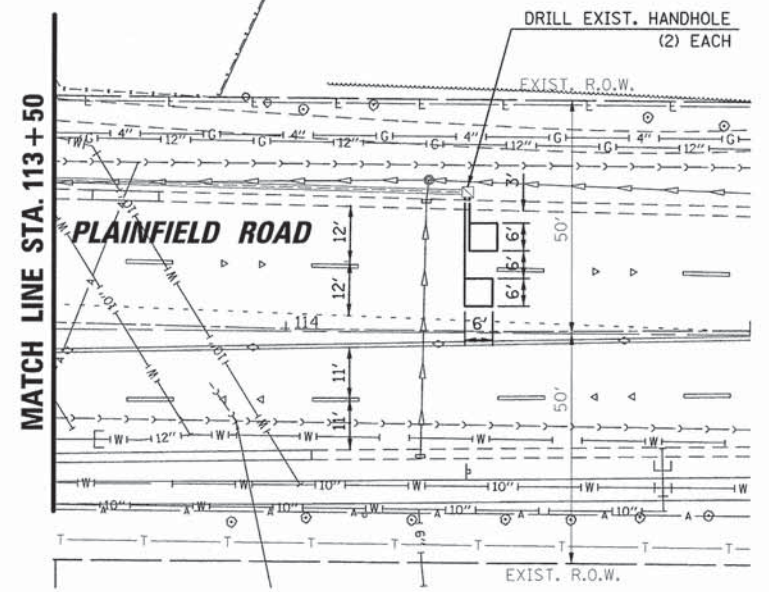
- ① THE CONTRACTOR SHALL INSTALL THE PROPOSED CABINET ON THE EXISTING CONCRETE FOUNDATION, TYPE D. THE CONTRACTOR SHALL ALSO INSTALL A NEW TRANSCEIVER IN THE PROPOSED CABINET.
- ② THE CONTRACTOR SHALL REPLACE THE EXISTING INTERSECTION DETECTOR LOOPS AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER DUE TO DAMAGE SUSTAINED FROM THE PROJECT'S ROAD RESURFACING. ALL COSTS RELATED TO SPlicing THE PROPOSED DETECTOR LOOP TO THE EXISTING LEAD-IN CABLE SHALL BE INCLUDED IN THIS PAY ITEM: DETECTOR LOOP, TYPE I.
- ③ THE CONTRACTOR SHALL INSTALL A NEW 10 FT TRAFFIC SIGNAL POST WITH A NEW PEDESTRIAN SIGNAL HEAD AND PUSH-BUTTON ASSEMBLY ON A CONCRETE FOUNDATION, TYPE A. THE CONTRACTOR SHALL DRILL THE EXISTING HANDHOLE IN THE NORTHWEST CORNER TO INSTALL THE PROPOSED 2 1/2" CONDUIT LEADING TO THE PROPOSED TRAFFIC SIGNAL POST.
- ④ THE CONTRACTOR SHALL REMOVE AND REPLACE THE EXISTING PEDESTRIAN SIGNAL HEAD AND PUSH-BUTTON ASSEMBLY. THE NEW PEDESTRIAN EQUIPMENT WILL USE THE EXISTING SIGNAL NO. 14 2C AND SIGNAL NO. 14 3C CABLE.
- ⑤ THE CONTRACTOR SHALL INSTALL A LED CONFIRMATION BEACON TO SUPPLEMENT THE EXISTING EVP EQUIPMENT ACCORDING TO THE SPECIAL PROVISIONS.



CONSTRUCTION NOTES (CONTINUED):

- ⑥ THE CONTRACTOR SHALL INSTALL A NEW 16 FT TRAFFIC SIGNAL POST WITH A NEW 5-SECTION LED SIGNAL HEAD, NEW PEDESTRIAN SIGNAL HEAD, AND A NEW PUSH-BUTTON ASSEMBLY ON A CONCRETE FOUNDATION, TYPE A. THE CONTRACTOR SHALL DRILL THE EXISTING HANDHOLE IN THE NORTHEAST CORNER TO INSTALL THE PROPOSED 2 1/2" CONDUIT LEADING TO THE PROPOSED TRAFFIC SIGNAL POST.
- ⑦ THE CONTRACTOR SHALL INSTALL A NEW 14 FT TRAFFIC SIGNAL POST WITH TWO NEW 3-SECTION LED SIGNAL HEADS, NEW PEDESTRIAN SIGNAL HEAD, AND A NEW PUSH-BUTTON ASSEMBLY ON A CONCRETE FOUNDATION, TYPE A. THE CONTRACTOR SHALL DRILL THE EXISTING DOUBLE HANDHOLE IN THE SOUTHEAST CORNER TO INSTALL THE PROPOSED 2 1/2" CONDUIT LEADING TO THE PROPOSED TRAFFIC SIGNAL POST.
- ⑧ THE CONTRACTOR SHALL INSTALL A NEW 10 FT TRAFFIC SIGNAL POST WITH A NEW PEDESTRIAN SIGNAL HEAD AND PUSH-BUTTON ASSEMBLY ON A CONCRETE FOUNDATION, TYPE A. THE CONTRACTOR SHALL DRILL THE EXISTING HANDHOLE IN THE SOUTHWEST CORNER TO INSTALL THE PROPOSED 2 1/2" CONDUIT LEADING TO THE PROPOSED TRAFFIC SIGNAL POST.
- ⑨ THE CONTRACTOR SHALL INSTALL A NEW 16 FT TRAFFIC SIGNAL POST WITH A NEW 5-SECTION LED SIGNAL HEAD, NEW PEDESTRIAN SIGNAL HEAD, AND A NEW PUSH-BUTTON ASSEMBLY ON A CONCRETE FOUNDATION, TYPE A. THE CONTRACTOR SHALL DRILL THE EXISTING HANDHOLE IN THE SOUTHWEST CORNER TO INSTALL THE PROPOSED 2 1/2" CONDUIT LEADING TO THE PROPOSED TRAFFIC SIGNAL POST.

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = ejensen  
DESIGNED - EAJ  
DRAWN - FCP / FPB  
CHECKED - GMZ  
PLOT SCALE = 40'  
PLOT DATE = 11/2/2015

DATE - 10/20/15

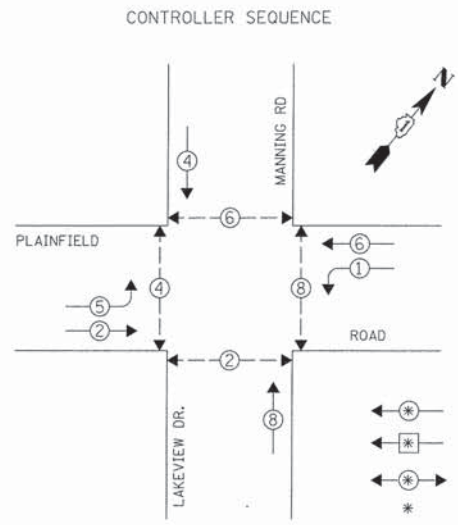
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REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

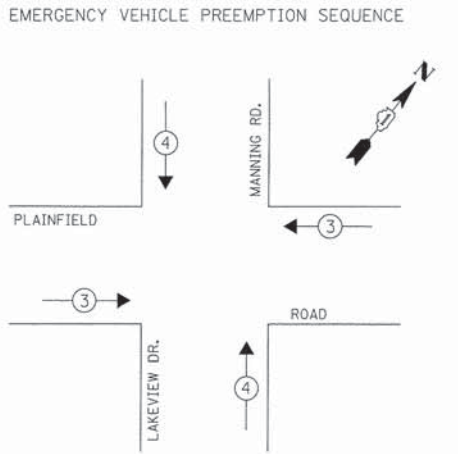
TRAFFIC SIGNAL MODIFICATION PLAN  
PLAINFIELD ROAD AND MANNING RD./LAKEVIEW DR.

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1551	14-00275-05-RS	DUPAGE	58	30
CONTRACT NO. 61C08			ILLINOIS FED. AID PROJECT	

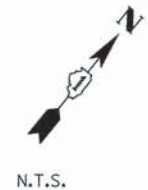
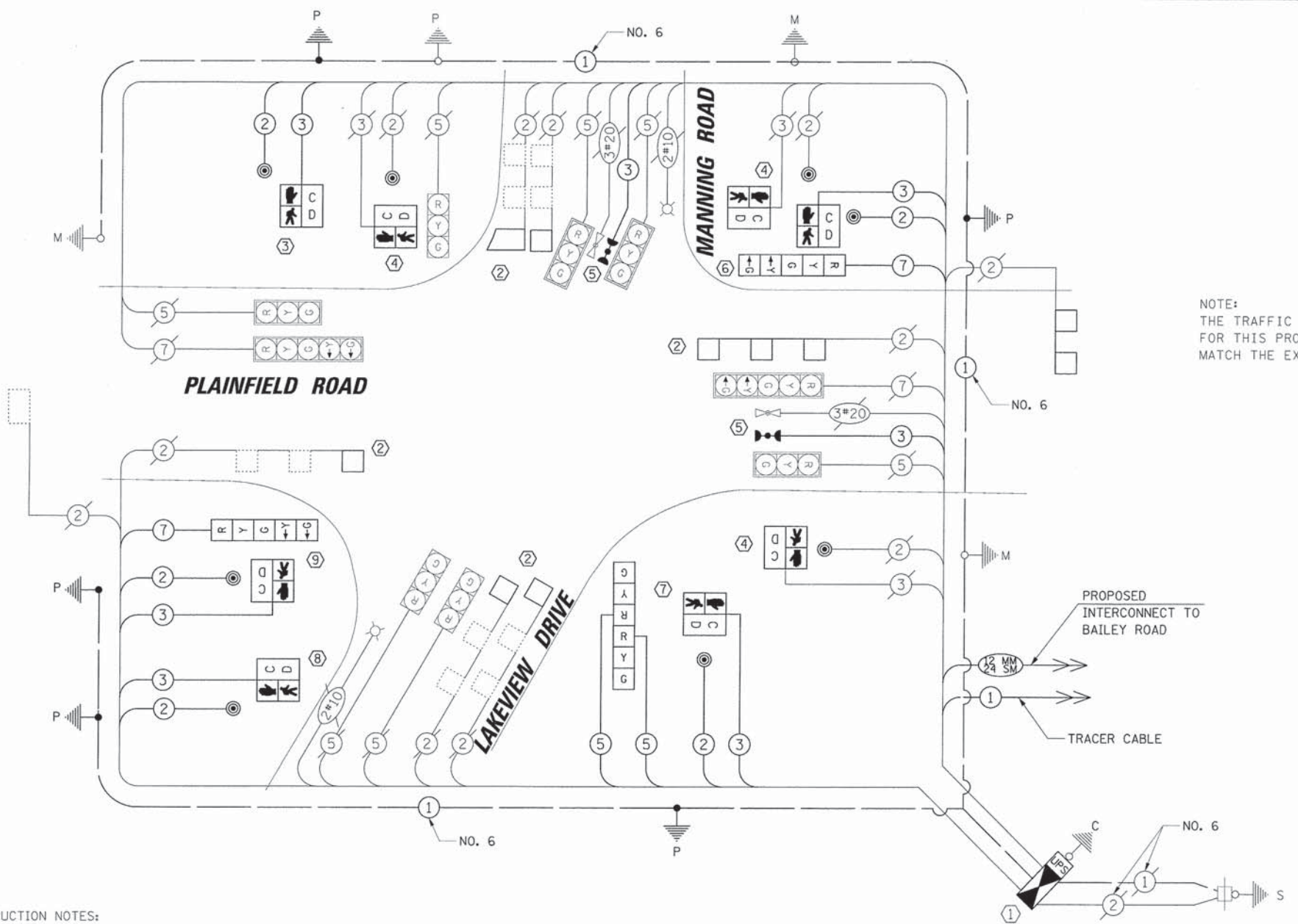


PHASE DESIGNATION DIAGRAM



EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↑ ↓

**LEGEND**  
 ◀ \* ▶ DUAL ENTRY PHASE  
 ◀ \* SINGLE ENTRY PHASE  
 ◀ \* ▶ PEDESTRIAN PHASE  
 \* NUMBER REFERS TO ASSOCIATED PHASE



NOTE:  
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

**CONSTRUCTION NOTES:**

- ① THE CONTRACTOR SHALL INSTALL THE PROPOSED CABINET ON THE EXISTING CONCRETE FOUNDATION, TYPE D. THE CONTRACTOR SHALL ALSO INSTALL A NEW TRANSCEIVER IN THE PROPOSED CABINET.
- ② THE CONTRACTOR SHALL REPLACE THE EXISTING INTERSECTION DETECTOR LOOPS AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER DUE TO DAMAGE SUSTAINED FROM THE PROJECT'S ROAD RESURFACING. ALL COSTS RELATED TO SPLICING THE PROPOSED DETECTOR LOOP TO THE EXISTING LEAD-IN CABLE SHALL BE INCLUDED IN THIS PAY ITEM: DETECTOR LOOP, TYPE I.
- ③ THE CONTRACTOR SHALL INSTALL A NEW 10 FT TRAFFIC SIGNAL POST WITH A NEW PEDESTRIAN SIGNAL HEAD AND PUSH-BUTTON ASSEMBLY ON A CONCRETE FOUNDATION, TYPE A. THE CONTRACTOR SHALL DRILL THE EXISTING HANDHOLE IN THE NORTHWEST CORNER TO INSTALL THE PROPOSED 2 1/2" CONDUIT LEADING TO THE PROPOSED TRAFFIC SIGNAL POST.
- ④ THE CONTRACTOR SHALL REMOVE AND REPLACE THE EXISTING PEDESTRIAN SIGNAL HEAD AND PUSH-BUTTON ASSEMBLY. THE NEW PEDESTRIAN EQUIPMENT WILL USE THE EXISTING SIGNAL NO. 14 2C AND SIGNAL NO. 14 3C CABLE.
- ⑤ THE CONTRACTOR SHALL INSTALL A LED CONFIRMATION BEACON TO SUPPLEMENT THE EXISTING EVP EQUIPMENT ACCORDING TO THE SPECIAL PROVISIONS.
- ⑥ THE CONTRACTOR SHALL INSTALL A NEW 16 FT TRAFFIC SIGNAL POST WITH A NEW 5-SECTION LED SIGNAL HEAD, NEW PEDESTRIAN SIGNAL HEAD, AND A NEW PUSH-BUTTON ASSEMBLY ON A CONCRETE FOUNDATION, TYPE A. THE CONTRACTOR SHALL DRILL THE EXISTING HANDHOLE IN THE NORTHEAST CORNER TO INSTALL THE PROPOSED 2 1/2" CONDUIT LEADING TO THE PROPOSED TRAFFIC SIGNAL POST.
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- ⑧ THE CONTRACTOR SHALL INSTALL A NEW 10 FT TRAFFIC SIGNAL POST WITH A NEW PEDESTRIAN SIGNAL HEAD AND PUSH-BUTTON ASSEMBLY ON A CONCRETE FOUNDATION, TYPE A. THE CONTRACTOR SHALL DRILL THE EXISTING HANDHOLE IN THE SOUTHWEST CORNER TO INSTALL THE PROPOSED 2 1/2" CONDUIT LEADING TO THE PROPOSED TRAFFIC SIGNAL POST.
- ⑨ THE CONTRACTOR SHALL INSTALL A NEW 16 FT TRAFFIC SIGNAL POST WITH A NEW 5-SECTION LED SIGNAL HEAD, NEW PEDESTRIAN SIGNAL HEAD, AND A NEW PUSH-BUTTON ASSEMBLY ON A CONCRETE FOUNDATION, TYPE A. THE CONTRACTOR SHALL DRILL THE EXISTING HANDHOLE IN THE SOUTHWEST CORNER TO INSTALL THE PROPOSED 2 1/2" CONDUIT LEADING TO THE PROPOSED TRAFFIC SIGNAL POST.

**SCHEDULE OF QUANTITIES**

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	85
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	950
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1149
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	95
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	322
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	135
TRAFFIC SIGNAL POST, 10 FT.	EACH	2
TRAFFIC SIGNAL POST, 14 FT.	EACH	1
TRAFFIC SIGNAL POST, 16 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	20
DRILL EXISTING HANDHOLE	EACH	13
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
DETECTOR LOOP, TYPE I	FOOT	414
CONFIRMATION BEACON	EACH	2
PEDESTRIAN PUSH-BUTTON	EACH	8
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	415
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	3
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE X INCAND.	LED	% OPERATION	
SIGNAL (RED)	13	17	50		110.5
(YELLOW)	13	25	25		81.25
(GREEN)	13	15	25		48.75
ARROW	8	12	10		9.6
PED. SIGNAL	8	25	100		200.0
CONTROLLER	1	100	100		100.0
ILLUMINATED SIGN	-	25	5		-
VIDEO SYSTEM	-	150	100		-
LUMINAIRE	2	250	50		500.0
BATTERY BACKUP		25	100		
FLASHER			50		
ENERGY COSTS TO:					TOTAL = 1050.1

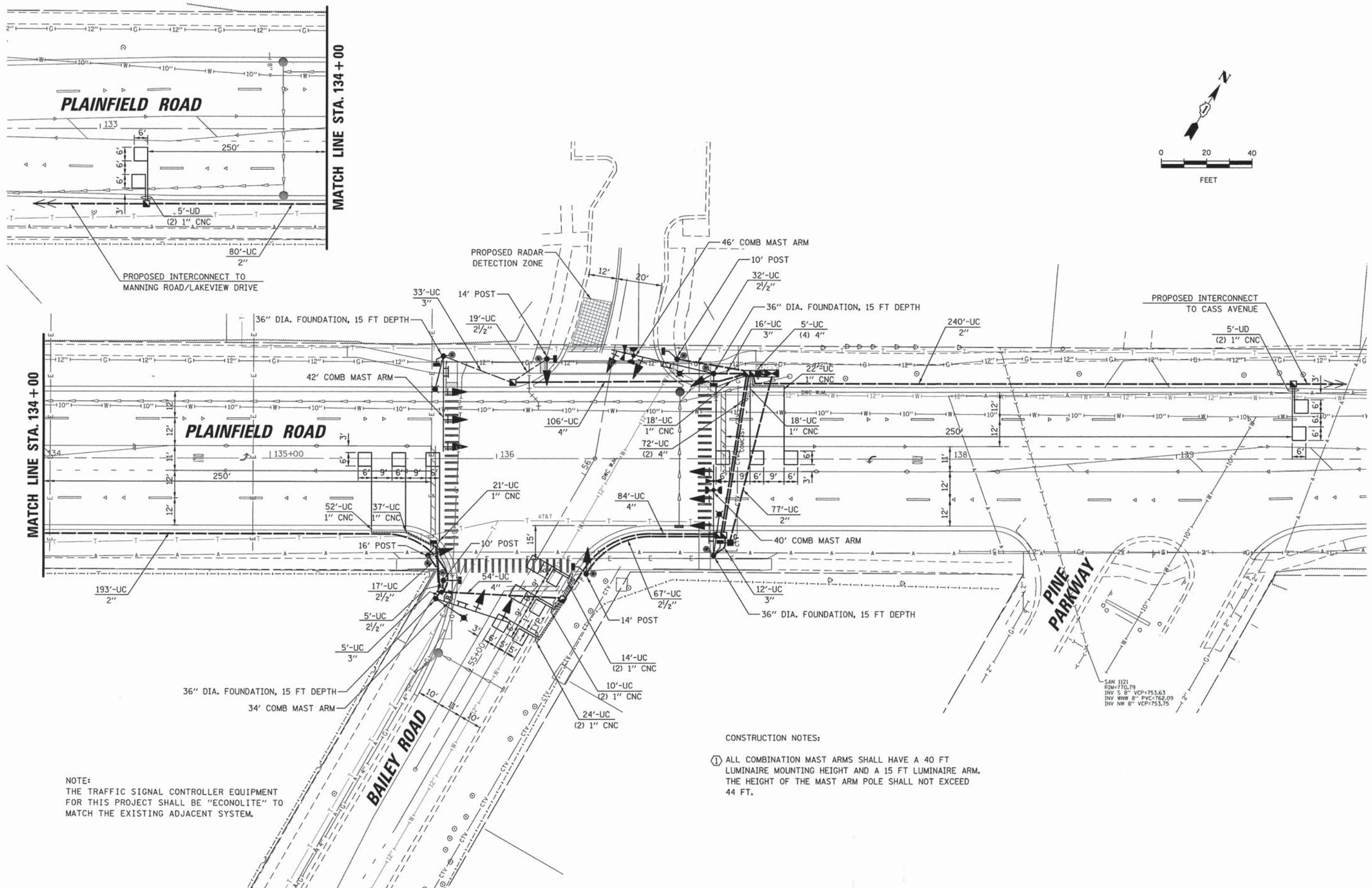
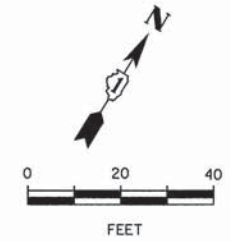
**VILLAGE OF DARIEN**  
 1702 PLAINFIELD ROAD  
 DARIEN, ILLINOIS 60561  
 ENERGY SUPPLY: CONTACT: RICHARD GARDNER  
 PHONE: 630-985-4074  
 COMPANY: COMED - NEW BUSINESS

USER NAME = mthomas	DESIGNED - EAJ	REVISED -
PLOT SCALE = 2"	DRAWN - FCP / FPB	REVISED -
PLOT DATE = 10/21/2015	CHECKED - GMZ	REVISED -
	DATE - 10/20/15	REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES, CABLE PLAN AND PHASE DESIGNATION DIAGRAM**  
**PLAINFIELD ROAD AND MANNING RD./LAKEVIEW DR.**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1551	14-00275-05-RS	DUPAGE	58	31
CONTRACT NO. 61C08				
ILLINOIS FED. AID PROJECT				



NOTE:  
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

CONSTRUCTION NOTES:  
 ① ALL COMBINATION MAST ARMS SHALL HAVE A 40 FT LUMINAIRE MOUNTING HEIGHT AND A 15 FT LUMINAIRE ARM. THE HEIGHT OF THE MAST ARM POLE SHALL NOT EXCEED 44 FT.

9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

USER NAME = ejensen  
 PLOT SCALE = 40'  
 PLOT DATE = 11/2/2015

DESIGNED - EAJ  
 DRAWN - FCP / FPB  
 CHECKED - GMZ  
 DATE - 10/20/15

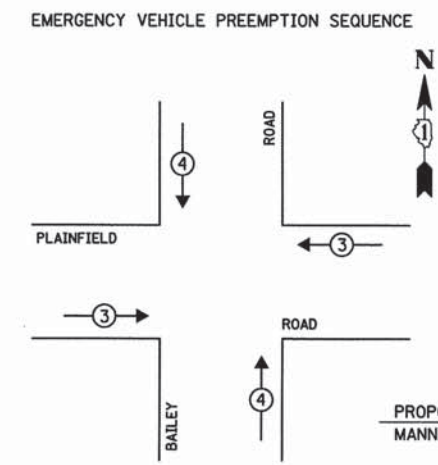
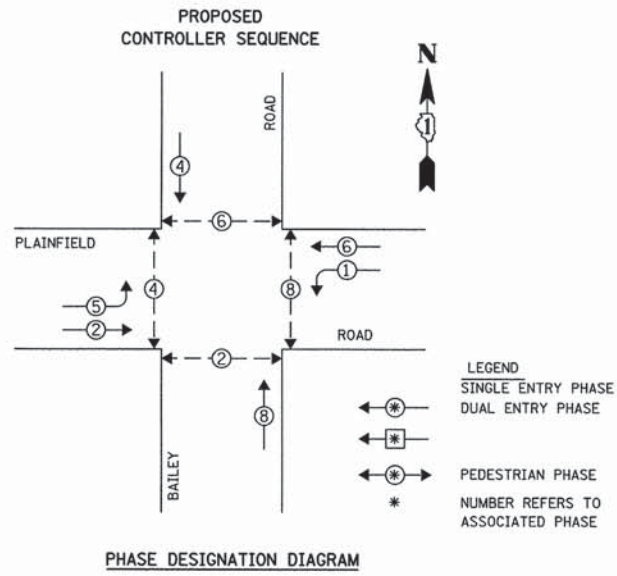
REVISED -  
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN  
 PLAINFIELD ROAD AND BAILEY ROAD  
 SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1551	14-00275-05-RS	DUPAGE	58	32
CONTRACT NO. 61C08			ILLINOIS FED. AID PROJECT	

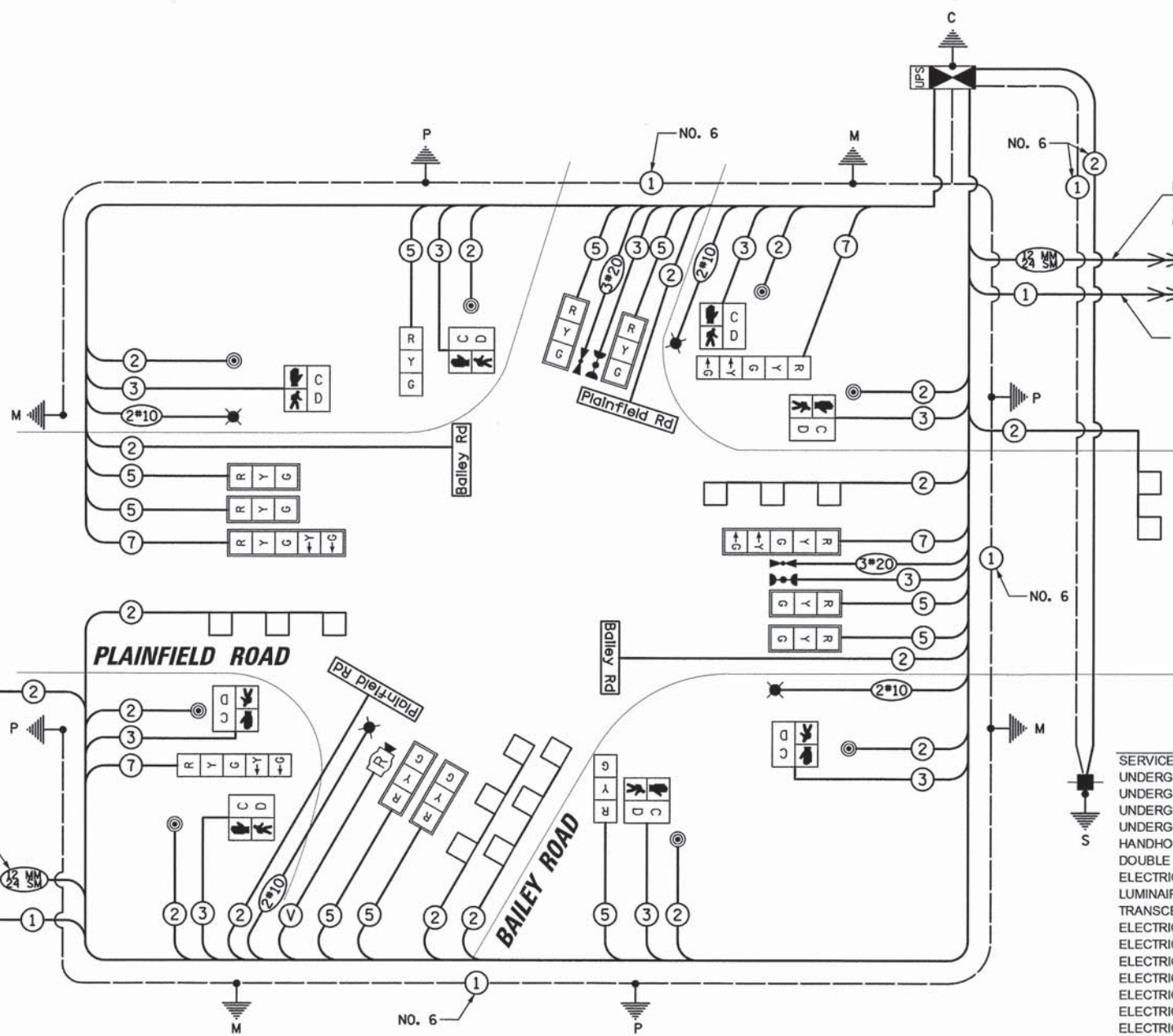




PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	↑

PROPOSED INTERCONNECT TO MANNING RD/LAKEVIEW DR.

TRACER CABLE



PROPOSED INTERCONNECT TO CASS AVENUE

TRACER CABLE

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

SCHEDULE OF QUANTITIES		UNIT	QUANTITY
ITEM			
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1	
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	590	
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	140	
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	66	
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	408	
HANDHOLE	EACH	5	
DOUBLE HANDHOLE	EACH	2	
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1635	
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 310 WATT	EACH	4	
TRANSCIVER - FIBER OPTIC	EACH	1	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2082	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1670	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1954	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	765	
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1484	
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	86	
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	699	
TRAFFIC SIGNAL POST, 10 FT.	EACH	2	
TRAFFIC SIGNAL POST, 14 FT.	EACH	2	
TRAFFIC SIGNAL POST, 16 FT.	EACH	1	
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1	
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1	
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1	
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1	
CONCRETE FOUNDATION, TYPE A	FOOT	24	
CONCRETE FOUNDATION, TYPE C	FOOT	4	
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60	
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8	
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2	
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2	
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2	
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8	
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10	
INDUCTIVE LOOP DETECTOR	EACH	6	
DETECTOR LOOP, TYPE I	FOOT	638	
LIGHT DETECTOR	EACH	2	
LIGHT DETECTOR AMPLIFIER	EACH	1	
PEDESTRIAN PUSH-BUTTON	EACH	8	
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	278	
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4	
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1	
UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1	
RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	1	

CONSTRUCTION NOTES:  
 ① ALL COMBINATION MAST ARMS SHALL HAVE A 40 FT LUMINAIRE MOUNTING HEIGHT AND A 15 FT LUMINAIRE ARM. THE HEIGHT OF THE MAST ARM POLE SHALL NOT EXCEED 44 FT.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	INCAND.	LED	% OPERATION	
SIGNAL (RED)	14		17	50	119.00
(YELLOW)	14		25	25	87.5
(GREEN)	14		15	25	52.5
ARROW	8		12	10	9.6
PED. SIGNAL	8		25	100	200.00
CONTROLLER	1		100	100	100.00
ILLUM. ST. NAME SIGN	4		64	50	128.0
RADAR SYSTEM	1	10		100	10.0
LUMINAIRE	4	310		50	620.0
BATTERY BACKUP	1	25		100	25.0
FLASHER	-		50		-
ENERGY COSTS TO:					TOTAL = 1351.6

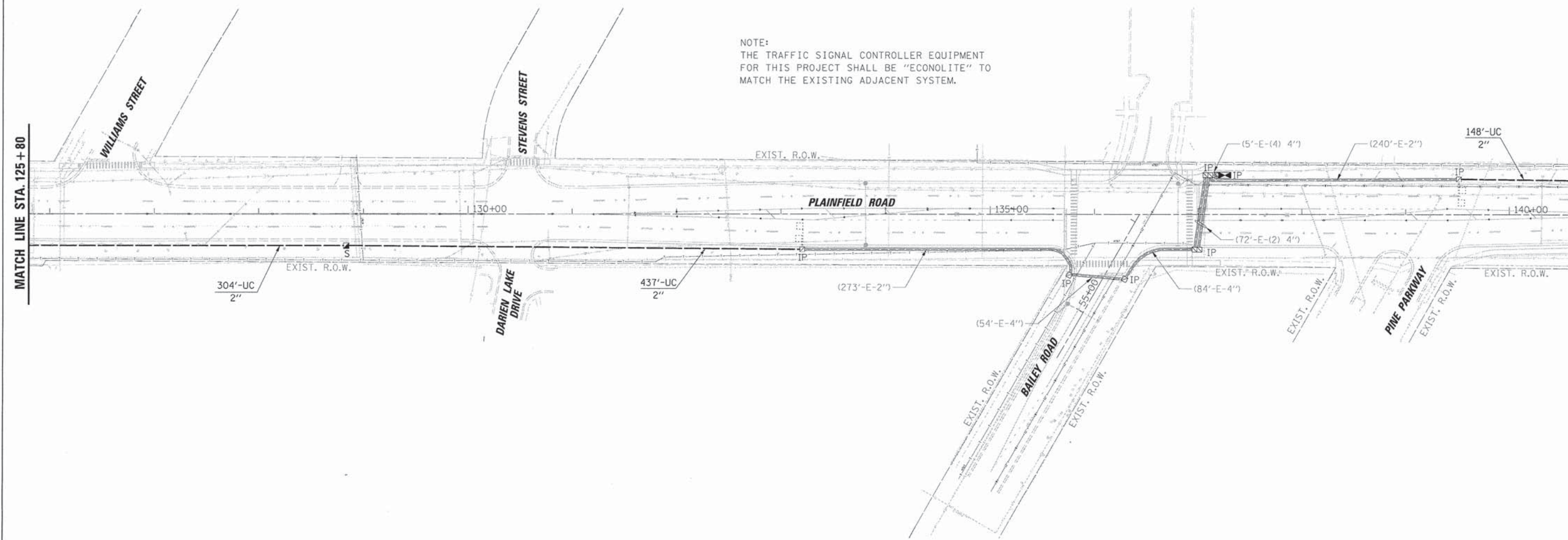
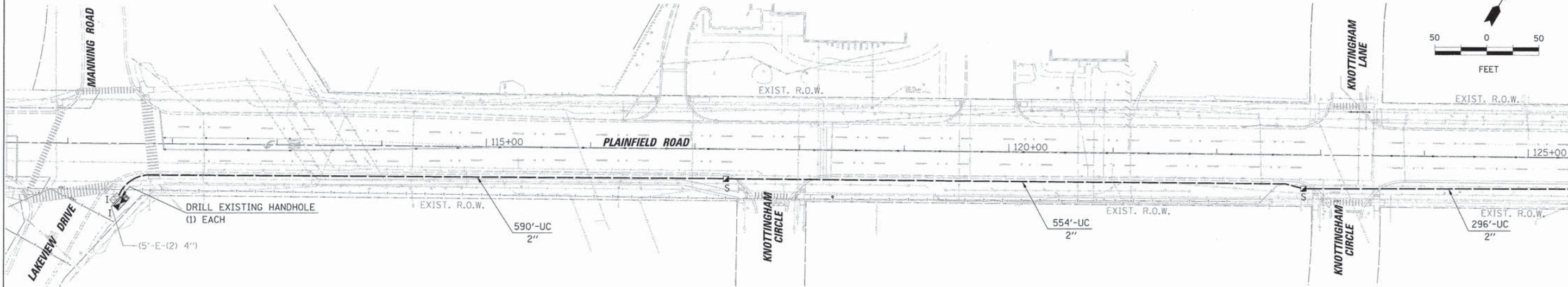
**VILLAGE OF DARIEN**  
 1702 PLAINFIELD ROAD  
 DARIEN, ILLINOIS 60561  
 ENERGY SUPPLY: CONTACT: RICHARD GARDNER  
 PHONE: 630-985-4074  
 COMPANY: COMED - NEW BUSINESS


USER NAME = ejansen	DESIGNED - EAJ	REVISED -
PLDT SCALE = 40'	DRAWN - FCP / FPB	REVISED -
PLDT DATE = 11/2/2015	CHECKED - GMZ	REVISED -
	DATE - 10/20/15	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1551	14-00275-05-RS	DUPAGE	58	33
CONTRACT NO. 61C08				




 9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

USER NAME = mthomas	DESIGNED - EAJ	REVISED -
DRAWN - FCP / FPB	CHECKED - GMZ	REVISED -
DATE - 10/20/15		REVISED -

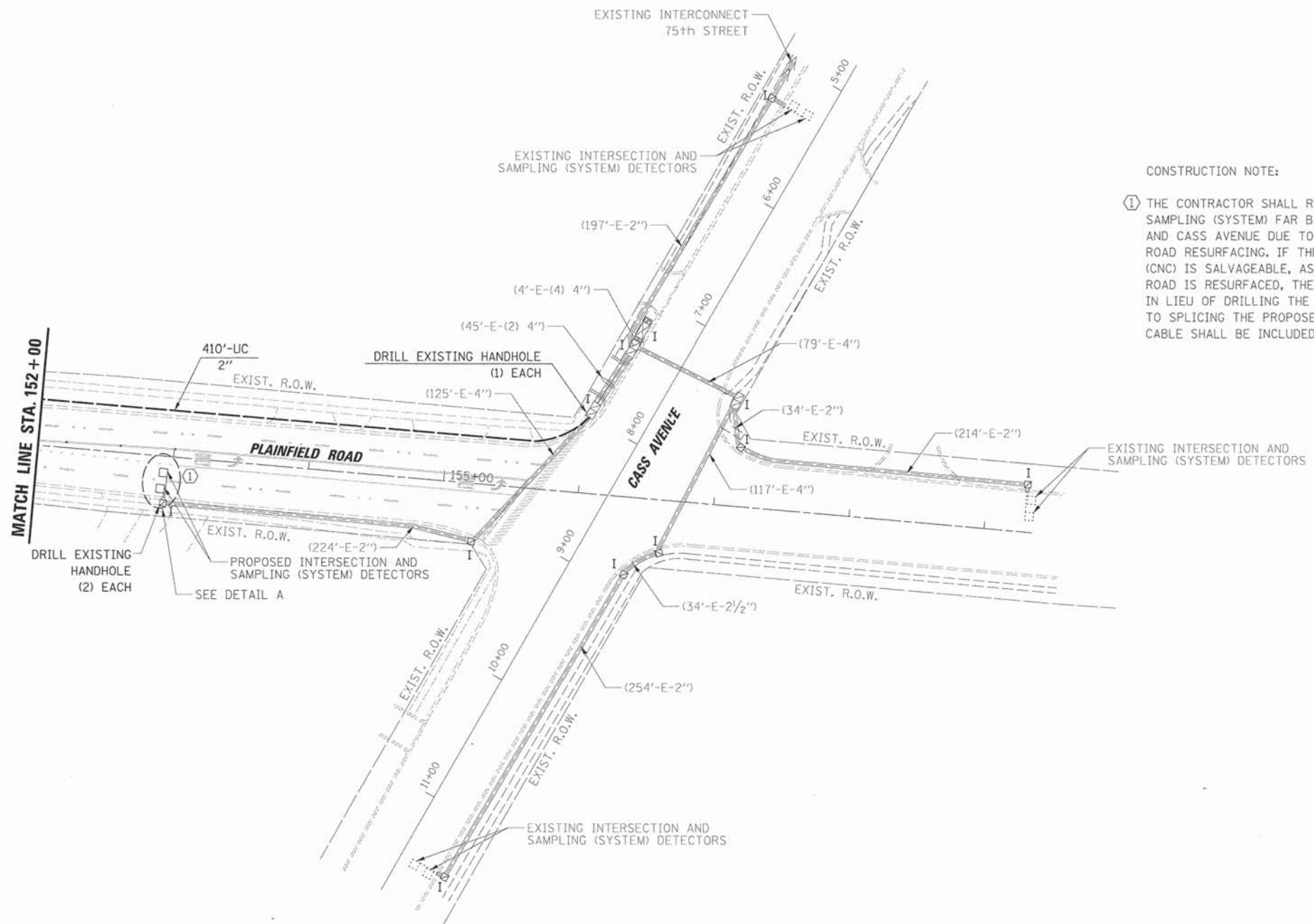
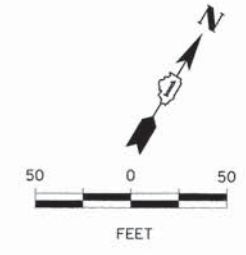
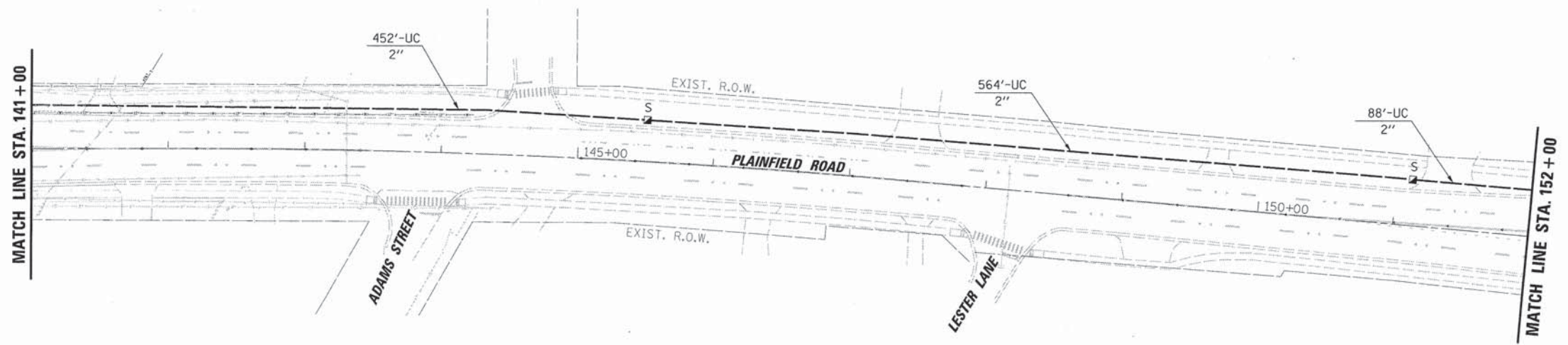
PLLOT SCALE = 5/8"
PLLOT DATE = 10/21/2015

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

**INTERCONNECT PLAN (SHEET 1 OF 2)**  
**PLAINFIELD ROAD**  
**FROM LAKEVIEW DR /MANNING RD TO CASS AVENUE**

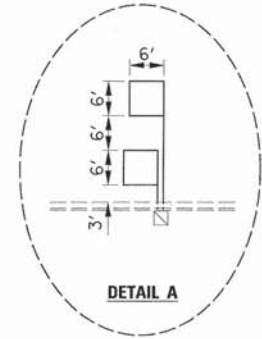
SCALE: \_\_\_\_\_ SHEET \_\_\_\_\_ OF \_\_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.U. RTE. 1551	SECTION 14-00275-05-RS	COUNTY	TOTAL SHEETS 58	SHEET NO. 34
CONTRACT NO. 61C08			ILLINOIS FED. AID PROJECT	



**CONSTRUCTION NOTE:**

① THE CONTRACTOR SHALL REPLACE THE EXISTING INTERSECTION AND SAMPLING (SYSTEM) FAR BACK DETECTOR LOOPS AT PLAINFIELD ROAD AND CASS AVENUE DUE TO DAMAGE SUSTAINED FROM THE PROJECT'S ROAD RESURFACING. IF THE EXISTING COILABLE NON-METALLIC CONDUIT (CNC) IS SALVAGEABLE, AS DETERMINED BY THE ENGINEER, AFTER THE ROAD IS RESURFACED, THE CONTRACTOR MAY USE THE EXISTING CNC IN LIEU OF DRILLING THE EXISTING HANDHOLE. ALL COSTS RELATED TO SPLICING THE PROPOSED DETECTOR LOOP TO THE EXISTING LEAD-IN CABLE SHALL BE INCLUDED IN THIS PAY ITEM: DETECTOR LOOP, TYPE I.



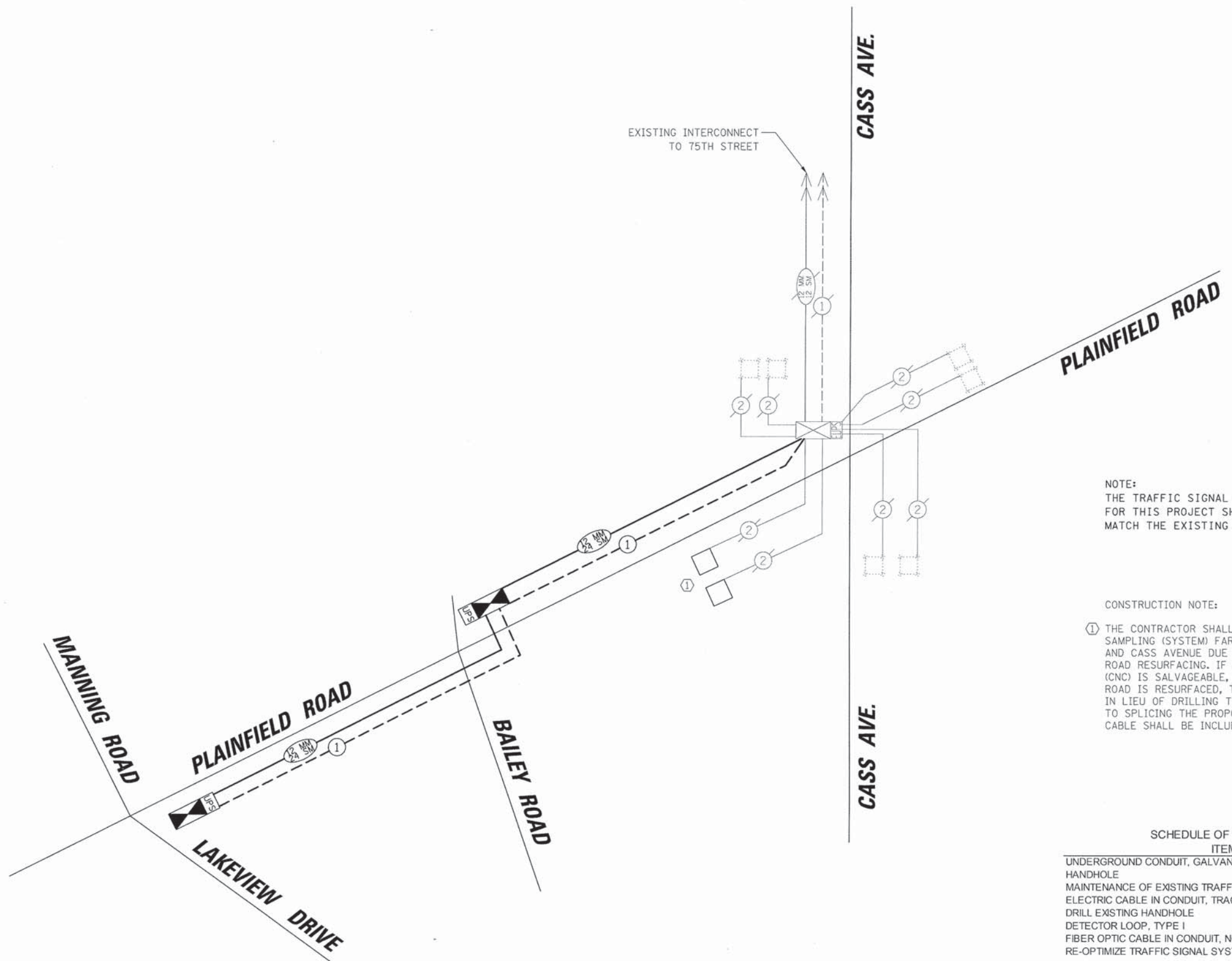
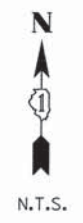
**DB** 9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = mthomas	DESIGNED - EAJ	REVISED -
DRAWN - FCP / FPB	CHECKED - GMZ	REVISED -
PLLOT SCALE = 50'	DATE - 10/20/15	REVISED -
PLLOT DATE = 10/21/2015		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>INTERCONNECT PLAN (SHEET 2 OF 2)</b>			
<b>PLAINFIELD ROAD</b>			
<b>FROM LAKEVIEW DR / MANNING RD TO CASS AVENUE</b>			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.U. RTE. 1551	SECTION 14-00275-05-RS	COUNTY DUPAGE	TOTAL SHEETS 58	SHEET NO. 35
CONTRACT NO. 61C08				
ILLINOIS FED. AID PROJECT				



NOTE:  
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

CONSTRUCTION NOTE:  
 ① THE CONTRACTOR SHALL REPLACE THE EXISTING INTERSECTION AND SAMPLING (SYSTEM) FAR BACK DETECTOR LOOPS AT PLAINFIELD ROAD AND CASS AVENUE DUE TO DAMAGE SUSTAINED FROM THE PROJECT'S ROAD RESURFACING. IF THE EXISTING COILABLE NON-METALLIC CONDUIT (CNC) IS SALVAGEABLE, AS DETERMINED BY THE ENGINEER, AFTER THE ROAD IS RESURFACED, THE CONTRACTOR MAY USE THE EXISTING CNC IN LIEU OF DRILLING THE EXISTING HANDHOLE. ALL COSTS RELATED TO SPLICING THE PROPOSED DETECTOR LOOP TO THE EXISTING LEAD-IN CABLE SHALL BE INCLUDED IN THIS PAY ITEM: DETECTOR LOOP, TYPE I.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	3843
HANDHOLE	EACH	5
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	4785
DRILL EXISTING HANDHOLE	EACH	4
DETECTOR LOOP, TYPE I	FOOT	66
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	4837
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	2

9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

USER NAME = mthomas	DESIGNED - EAJ	REVISED -
PLOT SCALE = 28'	DRAWN - FCP / FPB	REVISED -
PLOT DATE = 10/21/2015	CHECKED - GMZ	REVISED -
	DATE - 10/20/15	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT SCHEMATIC  
 PLAINFIELD ROAD  
 FROM MANNING RD./LAKEVIEW DR. TO CASS AVENUE**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1551	14-00275-05-RS	DUPAGE	58	36
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61C08	

PANEL DESIGN TYPE 1



ALL DIMENSIONS SHOWN IN INCHES

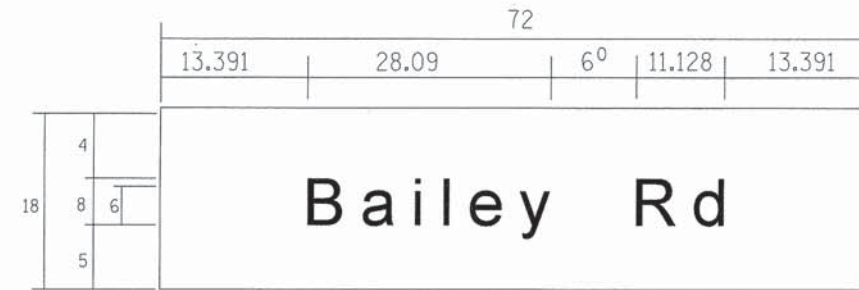
9.0 SO. FT. EACH

2 REQUIRED

SINGLE SIDED REQUIRED

DOUBLE SIDED REQUIRED

DESIGN SERIES 2K HIGHWAY GOTHIC



ALL DIMENSIONS SHOWN IN INCHES

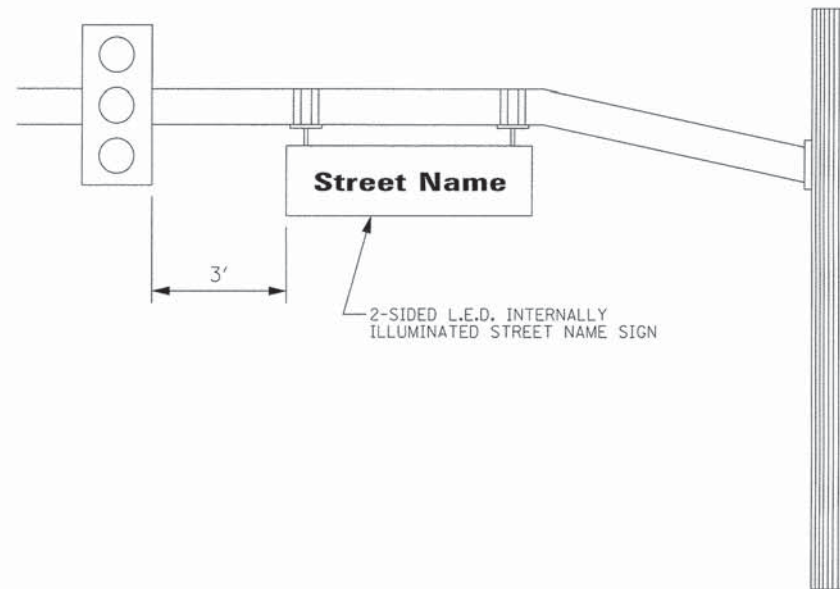
9.0 SO. FT. EACH

1 REQUIRED

SINGLE SIDED REQUIRED

DOUBLE SIDED REQUIRED

DESIGN SERIES 2K HIGHWAY GOTHIC



NOTE: L.E.D. ILLUMINATED STREET NAME SIGNS AVAILABLE ONLY IN 2 FOOT INCREMENTS

USER NAME = mthomas	DESIGNED - EAJ	REVISED -
	DRAWN - FCP / FPB	REVISED -
PLOT SCALE = 20"	CHECKED - GMZ	REVISED -
PLOT DATE = 10/21/2015	DATE - 10/20/15	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1551	14-00275-05-RS	DUPAGE	58	37
CONTRACT NO. 61C08				
ILLINOIS FED. AID PROJECT				



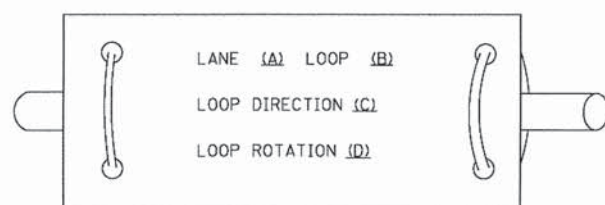
# TRAFFIC SIGNAL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED																		
CONTROLLER CABINET				EMERGENCY VEHICLE LIGHT DETECTOR				ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE																					
RAILROAD CONTROL CABINET				CONFIRMATION BEACON				COAXIAL CABLE																					
COMMUNICATIONS CABINET				HANDHOLE				VENDOR CABLE FOR CAMERA																					
MASTER CONTROLLER				HEAVY DUTY HANDHOLE				COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED																					
MASTER MASTER CONTROLLER				DOUBLE HANDHOLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F																					
UNINTERRUPTIBLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F																					
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				UNDERGROUND CONDUIT, GALVANIZED STEEL (UC)				FIBER OPTIC CABLE NO. 62.5/125, MM12F 5M24F																					
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F 5M24F																					
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH				GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE																					
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)				CONTROLLER CABINET AND FOUNDATION TO BE REMOVED																					
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM		S	S	STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED																					
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM		I	IP	ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED																					
SIGNAL POST				REMOVE ITEM	R			STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED																					
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM	RL			SIGNAL POST AND FOUNDATION TO BE REMOVED																					
GUY WIRE				ABANDON ITEM	A			INTERSECTION & SAMPLING (SYSTEM) DETECTOR																					
SIGNAL HEAD				12" (300mm) TRAFFIC SIGNAL SECTION				SAMPLING (SYSTEM) DETECTOR																					
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				QUEUE DETECTOR																					
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				PREFORMED QUEUE DETECTOR																					
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR																					
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				"RB" INDICATES REFLECTIVE BACKPLATE				PREFORMED SAMPLING (SYSTEM) DETECTOR																					
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL				<h2 style="margin: 0;">RAILROAD SYMBOLS</h2> <table style="width: 100%; border: none;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%;">EXISTING</th> <th style="width: 25%;">PROPOSED</th> </tr> </thead> <tbody> <tr> <td>RAILROAD CONTROL CABINET</td> <td></td> <td></td> </tr> <tr> <td>RAILROAD CANTILEVER MAST ARM</td> <td></td> <td></td> </tr> <tr> <td>FLASHING SIGNAL</td> <td></td> <td></td> </tr> <tr> <td>CROSSING GATE</td> <td></td> <td></td> </tr> <tr> <td>CROSSBUCK</td> <td></td> <td></td> </tr> </tbody> </table>					EXISTING	PROPOSED	RAILROAD CONTROL CABINET			RAILROAD CANTILEVER MAST ARM			FLASHING SIGNAL			CROSSING GATE			CROSSBUCK		
	EXISTING	PROPOSED																											
RAILROAD CONTROL CABINET																													
RAILROAD CANTILEVER MAST ARM																													
FLASHING SIGNAL																													
CROSSING GATE																													
CROSSBUCK																													
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED																									
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID																									
ILLUMINATED SIGN "NO LEFT TURN"				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER																									
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO INTERCONNECT																									
DETECTOR LOOP, TYPE I				RADIO REPEATER																									
PREFORMED DETECTOR LOOP				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED																									
MICROWAVE VEHICLE SENSOR				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)																									
VIDEO DETECTION CAMERA																													
VIDEO DETECTION ZONE																													
PAN, TILT, ZOOM CAMERA																													
WIRELESS DETECTOR SENSOR																													
WIRELESS ACCESS POINT																													

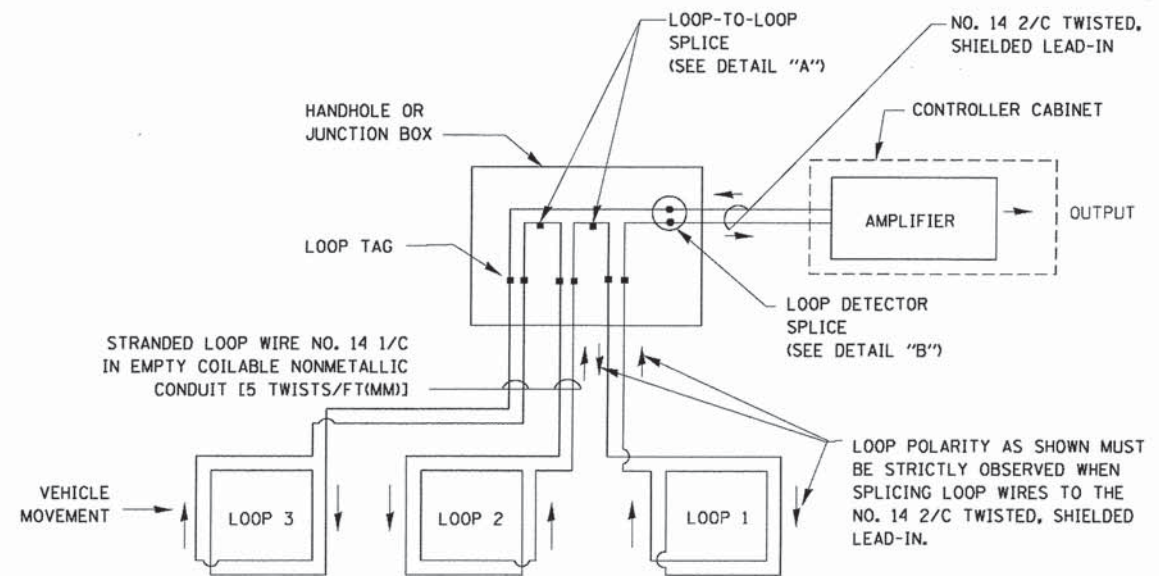
**LOOP DETECTOR NOTES**

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

**LOOP LEAD-IN CABLE TAG**

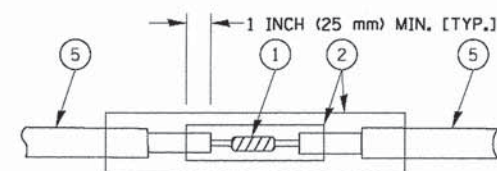


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

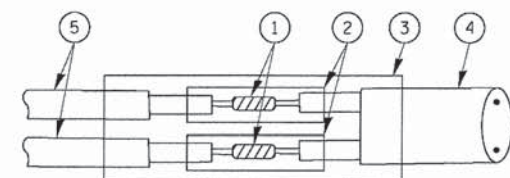


**DETECTOR LOOP WIRING SCHEMATIC**

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

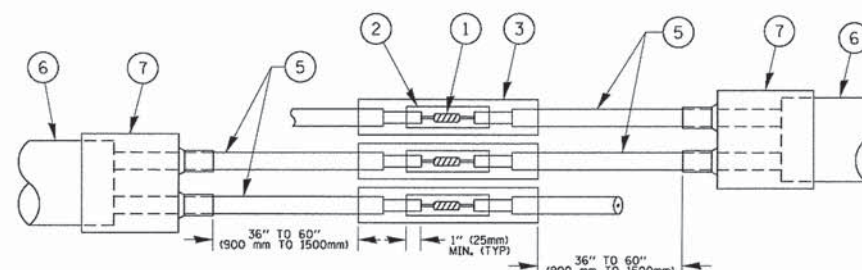


DETAIL "A"  
LOOP-TO-LOOP SPLICE

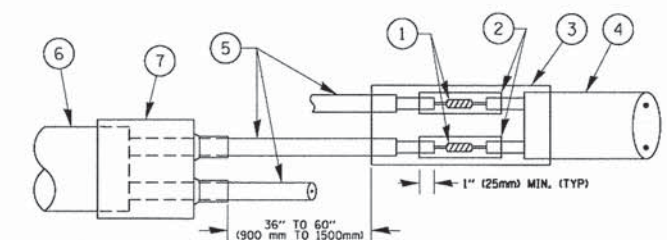


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**PREFORMED LOOP**

**LOOP DETECTOR SPLICE**

- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- 2 WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- 3 WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDED CABLE.
- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- 6 PREFORMED LOOP
- 7 XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

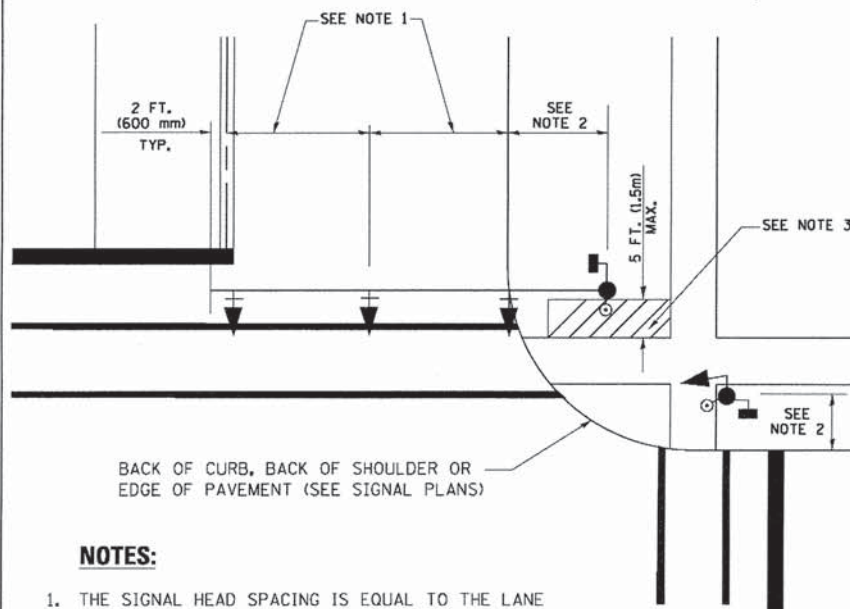
F.A.LL RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1551	04-00032-00-RS	DUPAGE	58	40
TS-05		CONTRACT NO.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14
as:\pw\work\pwidat\footemj\d0108315\ts05.dgn		DRAWN - BCK	REVISED -
PLOT SCALE = 58.0000' / 1"		CHECKED - DAD	REVISED -
PLOT DATE = 1/13/2014		DATE - 10-28-09	REVISED -

SCALE: NONE SHEET NO. 2 OF 7 SHEETS STA. TO STA.



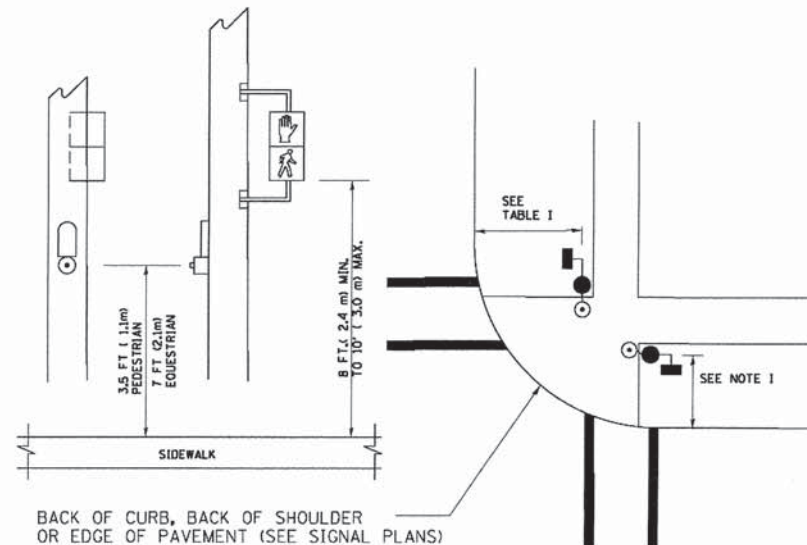
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST  
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR  
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN  
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



**NOTES:**

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

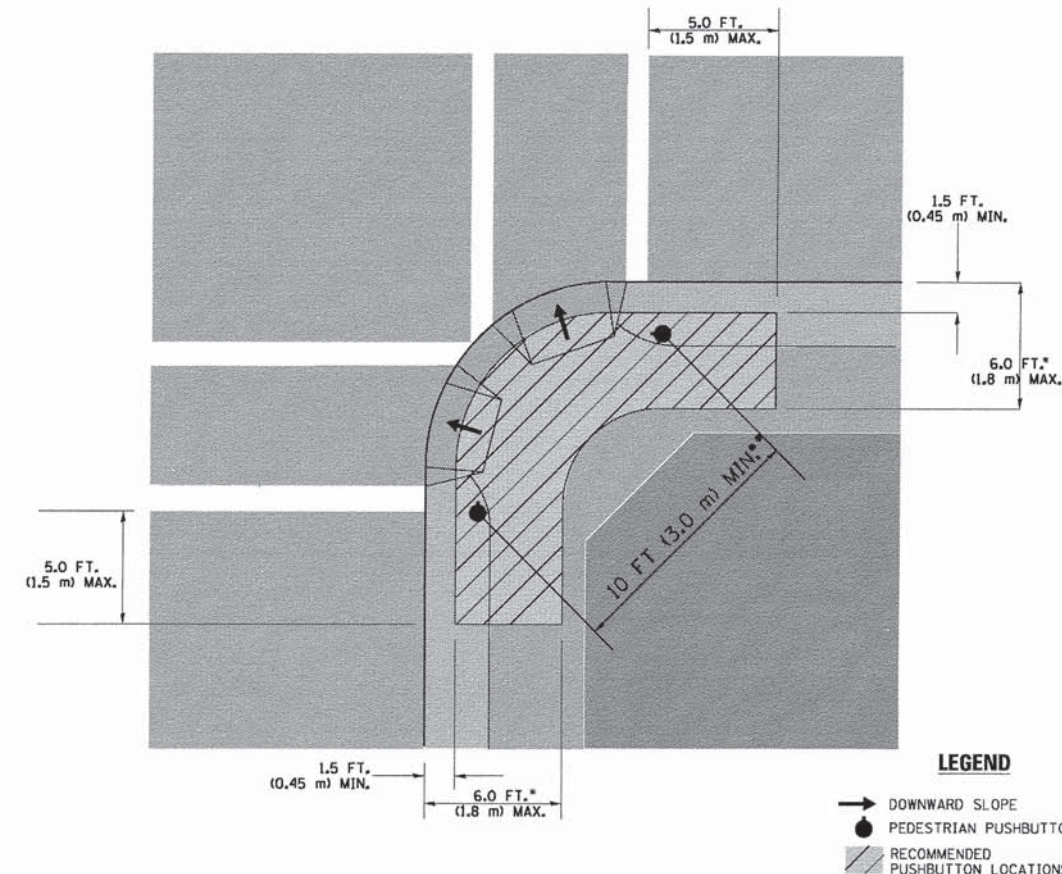
**PEDESTRIAN SIGNAL POST  
AND  
PEDESTRIAN PUSH BUTTON POST**



**NOTES:**

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

**RECOMMENDED PUSHBUTTON LOCATIONS**



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

**NOTES:**

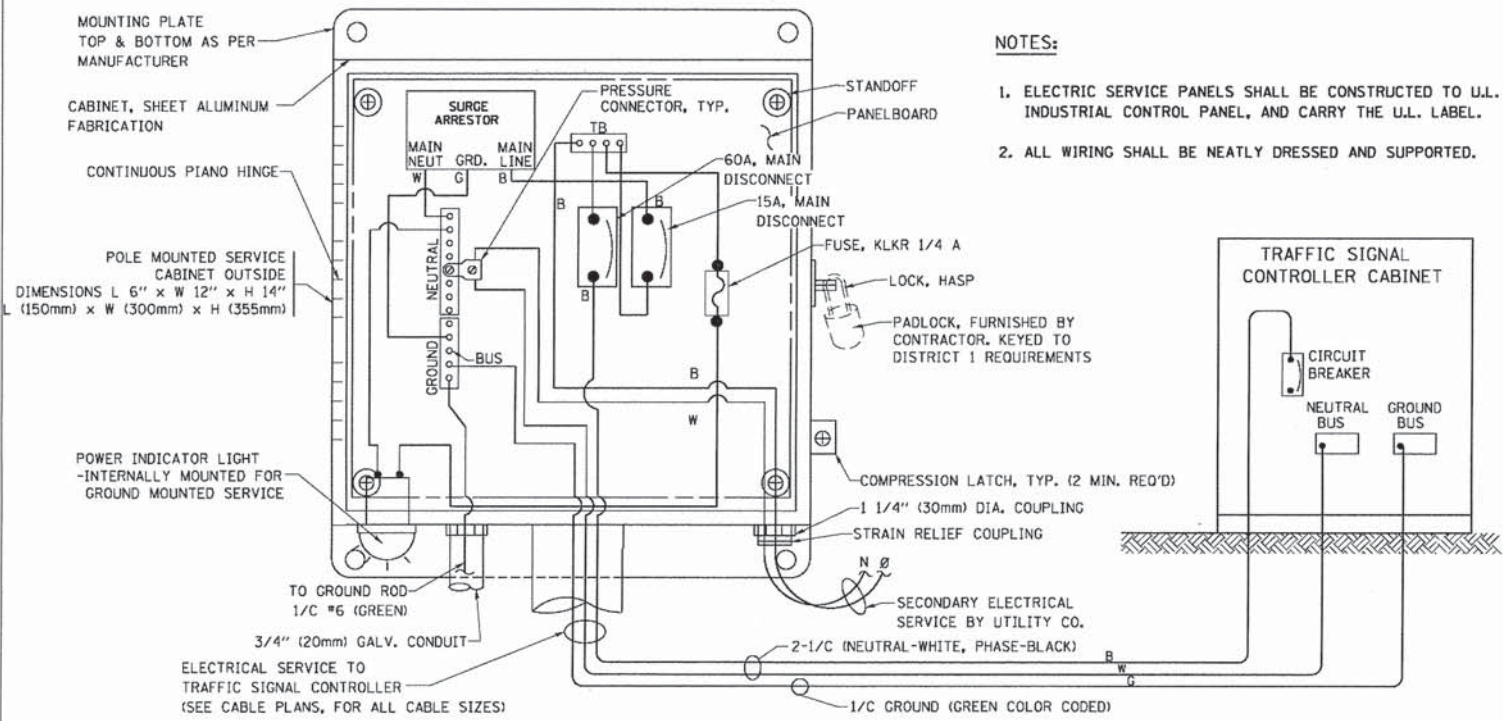
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM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

**TRAFFIC SIGNAL EQUIPMENT OFFSET**

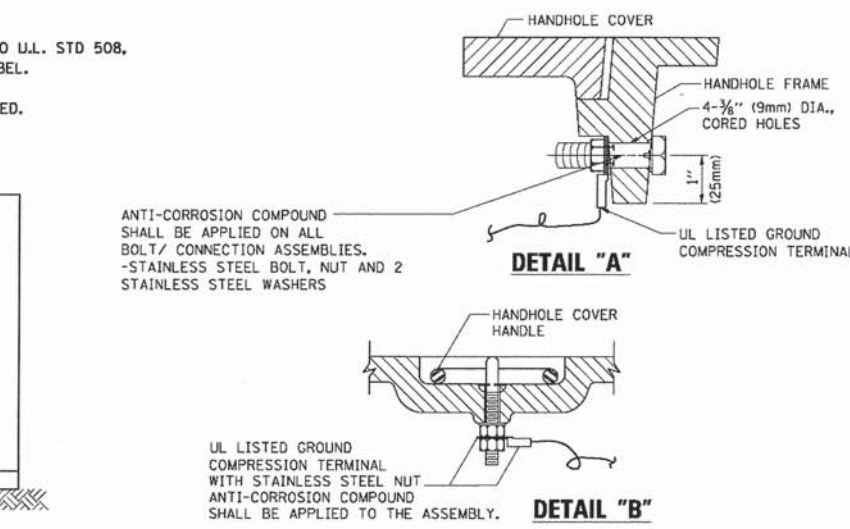
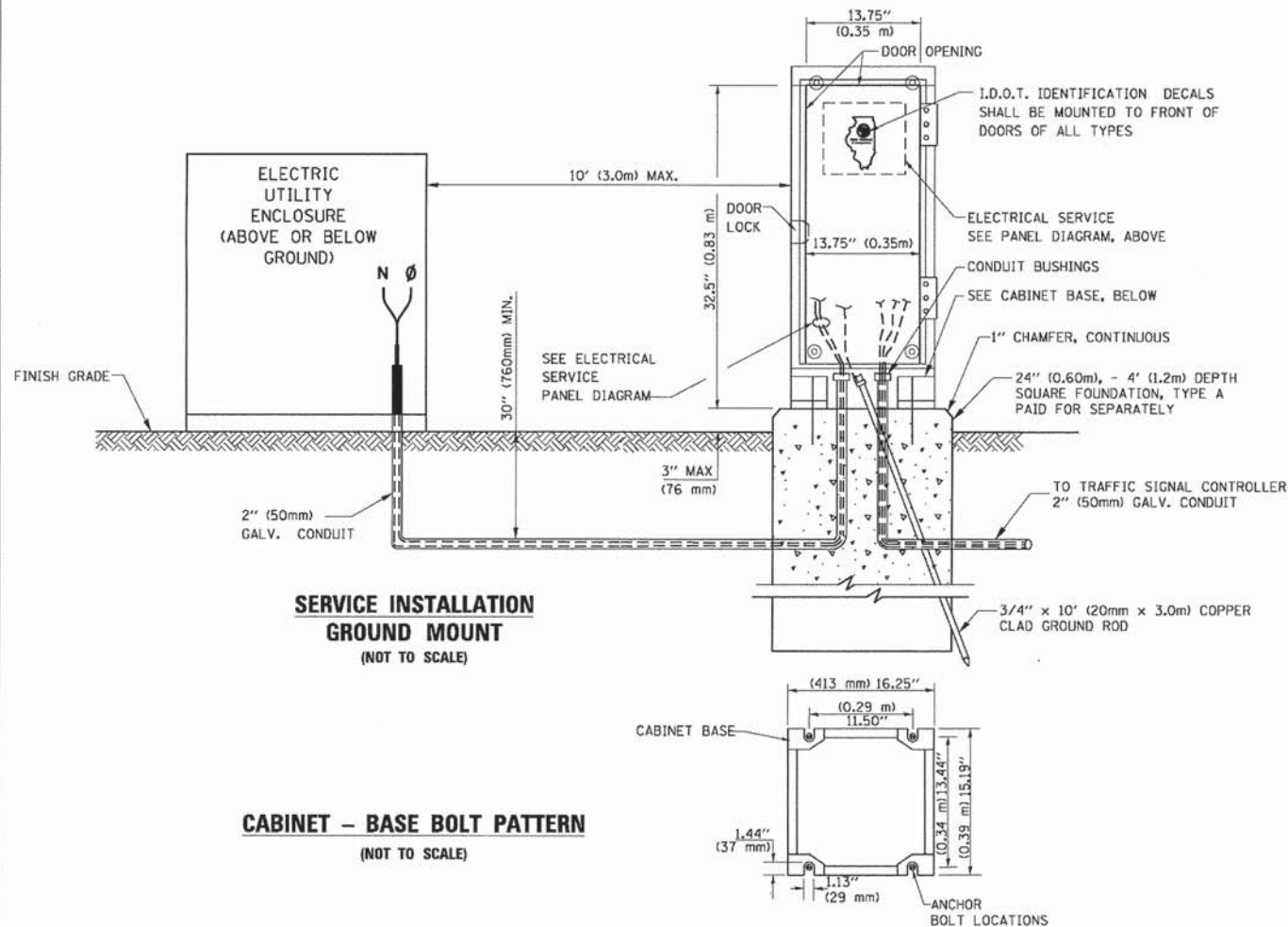
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10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

**NOTES:**

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

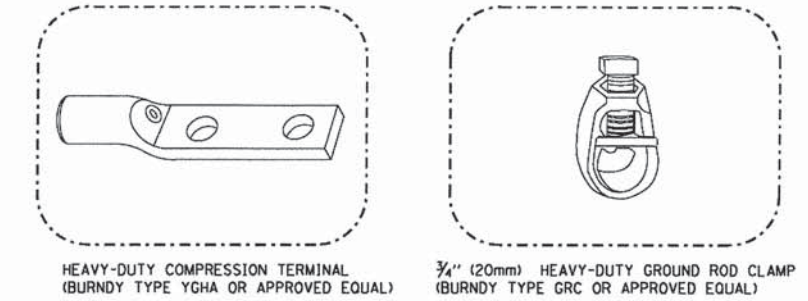
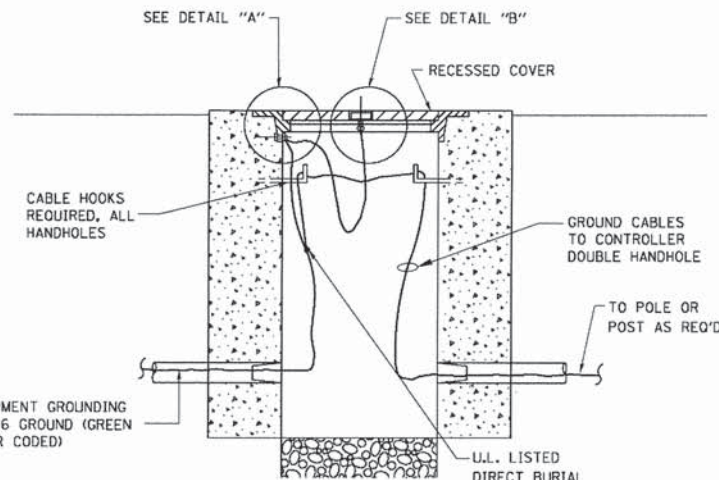


**ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE) SERVICE INSTALLATION POLE MOUNT (SHOWN) (NOT TO SCALE)**

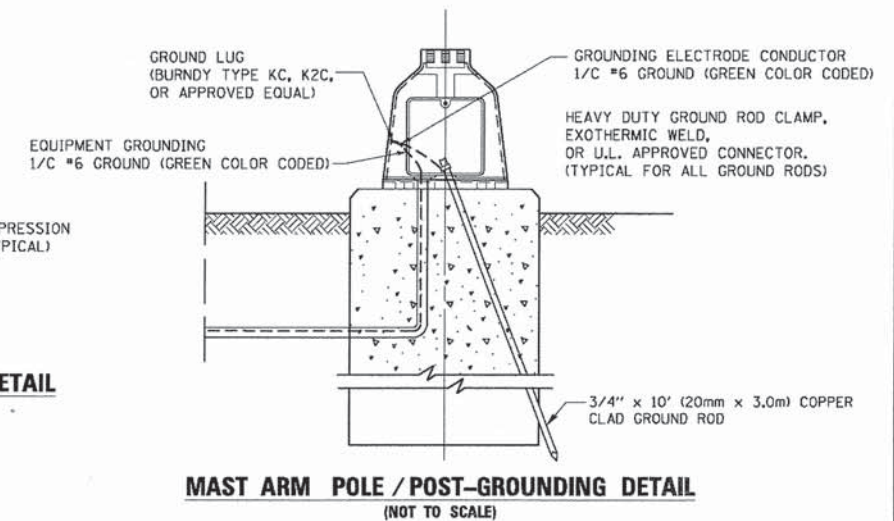
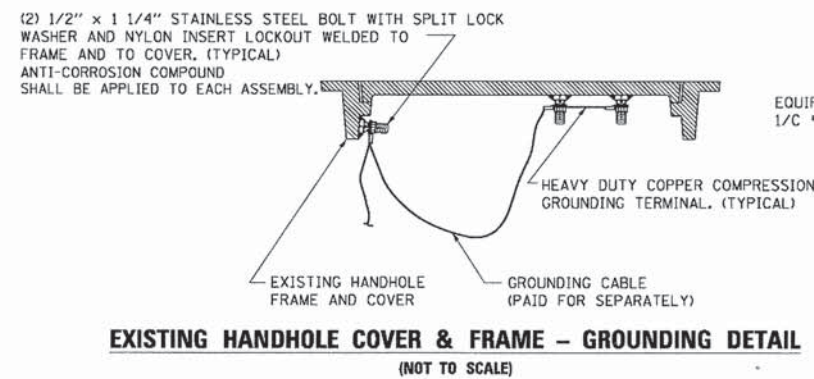


**NOTES:**  
**GROUNDING SYSTEM**

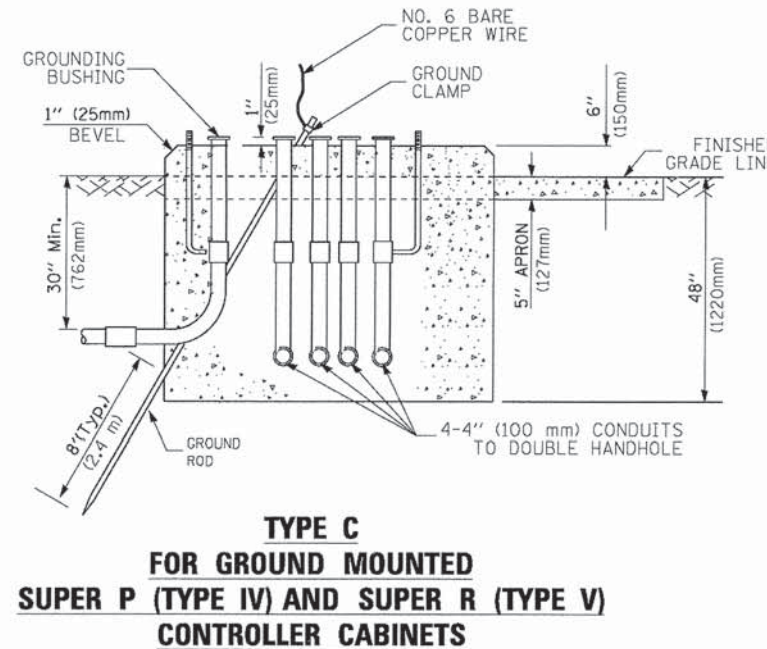
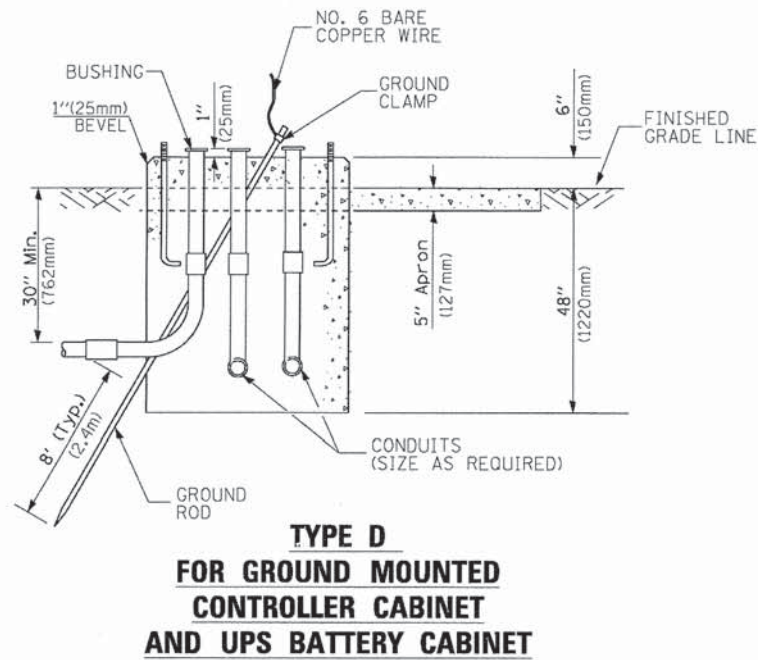
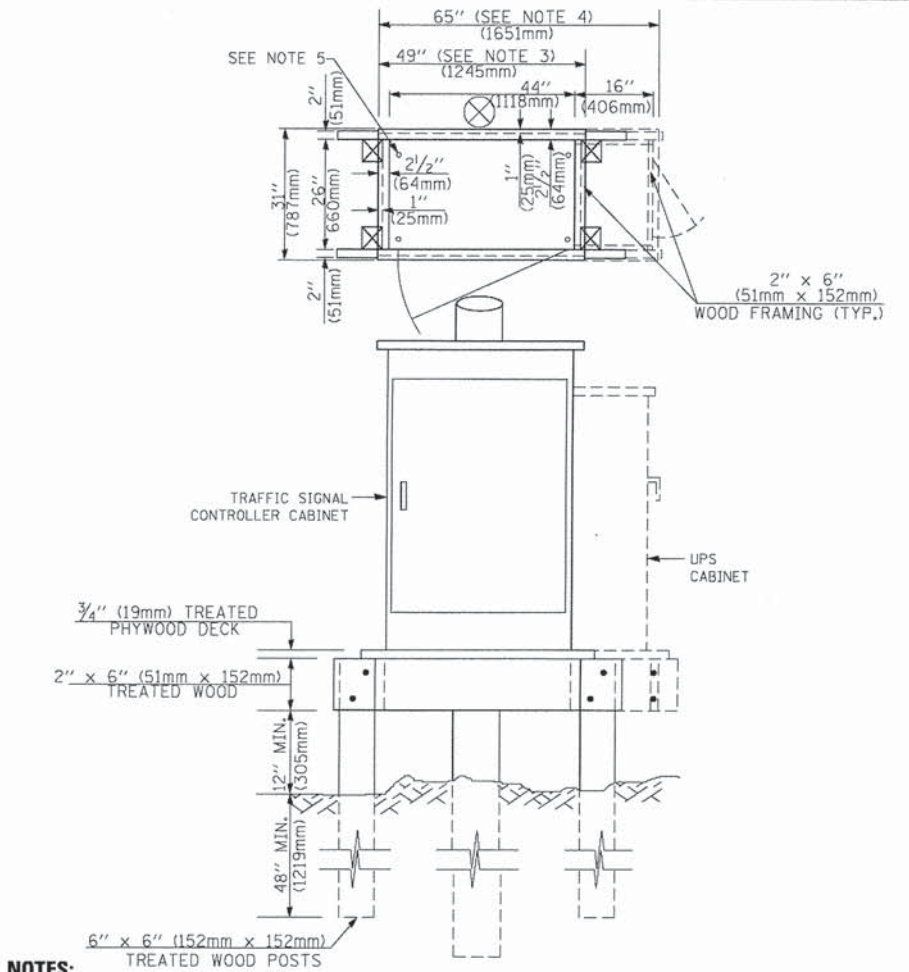
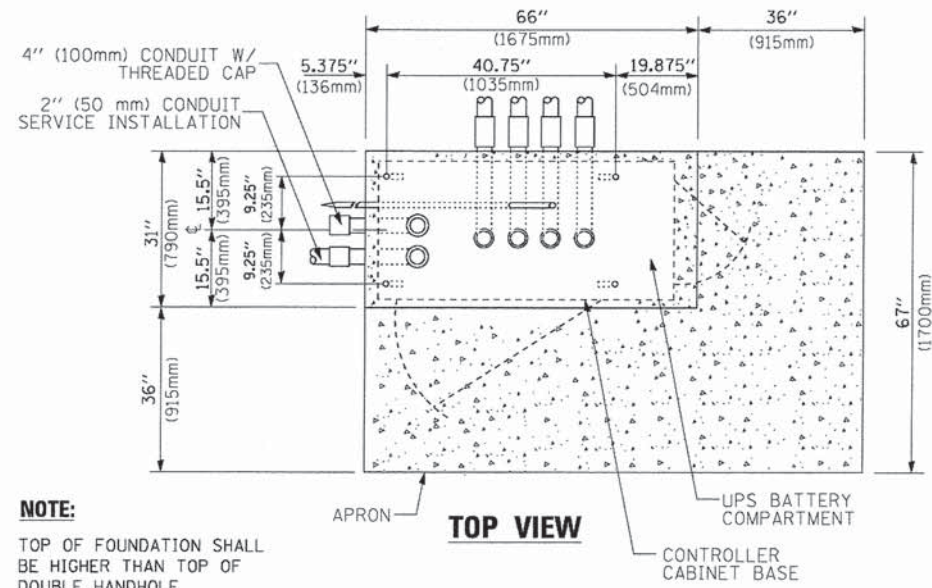
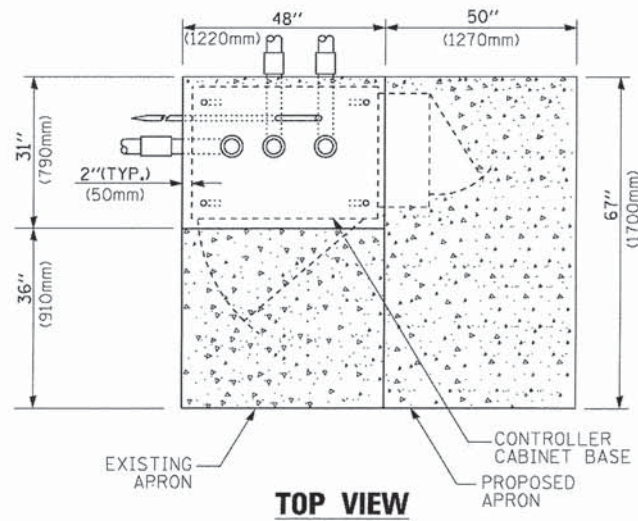
1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD, ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
  - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
  - 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
  - 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
  - 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



FILE NAME =	USER NAME = f00temj	DESIGNED - DAD	REVISED - DAG 1-1-14	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>			F.A.J. RTE. 1551	SECTION 04-00032-00-RS	COUNTY DUPAGE	TOTAL SHEETS 58	SHEET NO. 42
DRAWN - BCK	CHECKED - DAD	DATE - 10-28-09	REVISOR -		SCALE: NONE	SHEET NO. 4 OF 7 SHEETS	STA. TO STA.	<b>TS-05</b>		CONTRACT NO.		
PLOT SCALE = 50.0000' / 1"								FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				
PLOT DATE = 1/13/2014												



- NOTES:**
- BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
  - BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
  - PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
  - PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
  - DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
  - FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.
- TEMPORARY SIGNAL CONTROLLER WOOD SUPPORT PLATFORM**

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

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

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

MAST ARM LENGTH	FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

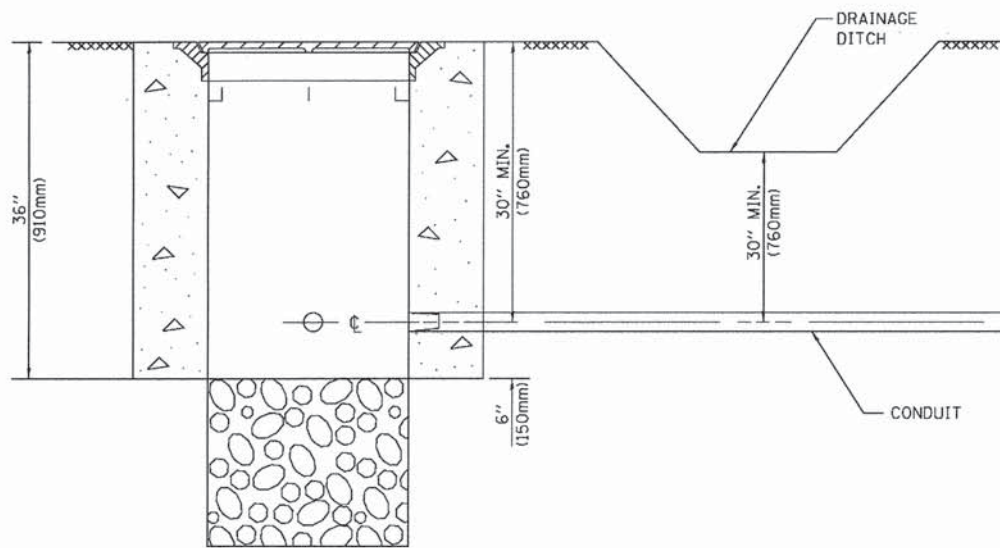
- NOTES:**
- These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
  - Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
  - Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
  - For mast arm assemblies with dual arms refer to state standard 878001..

**CABLE SLACK**

**VERTICAL CABLE LENGTH**

**DEPTH OF FOUNDATION**

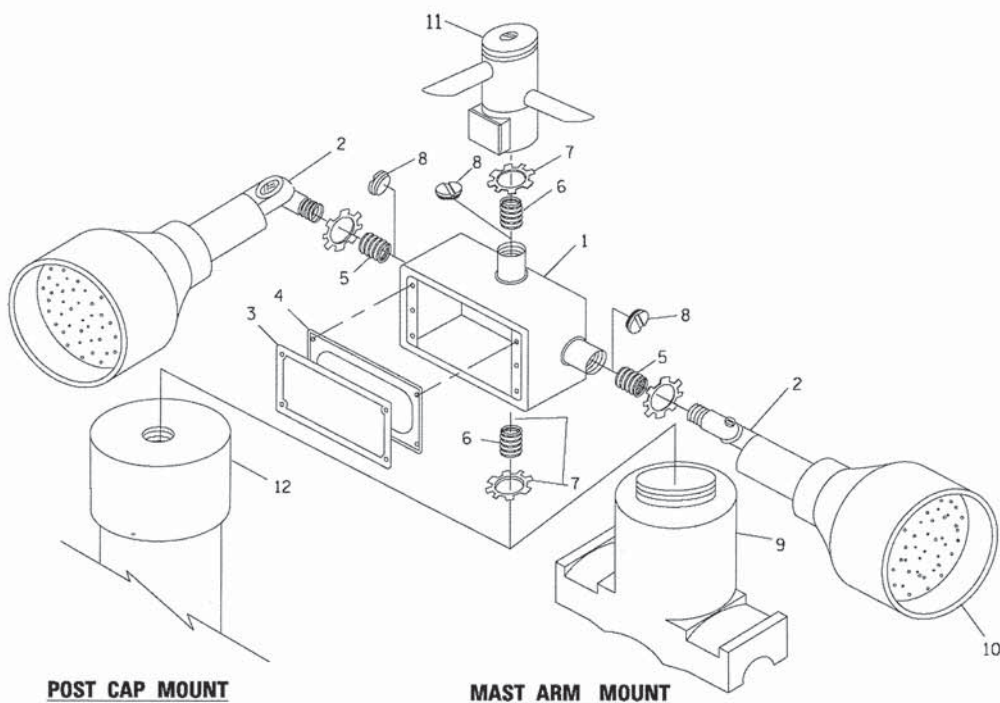
**DEPTH OF MAST ARM FOUNDATIONS, TYPE E**



**NOTES:**

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

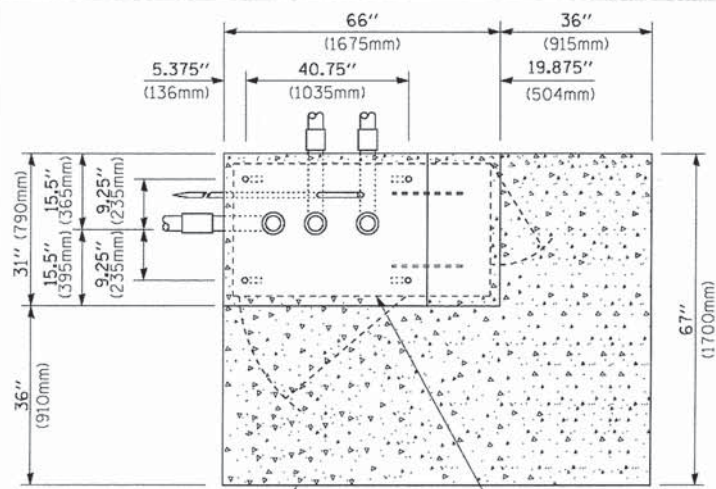
**HANDHOLE WITH MINIMUM CONDUIT DEPTH**  
(NOT TO SCALE)



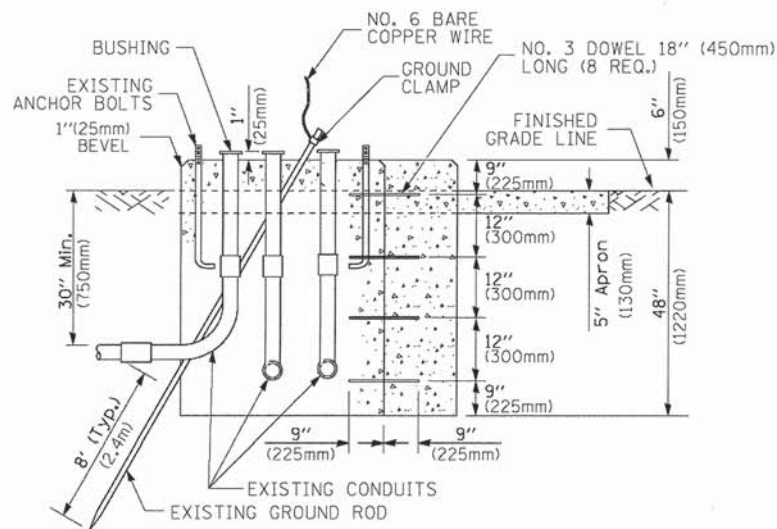
**POST CAP MOUNT**

**MAST ARM MOUNT**

**EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL**



**TOP VIEW**  
(NOT TO SCALE)

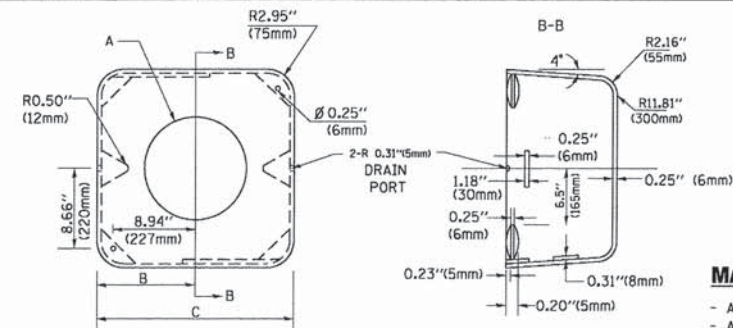


**MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION**  
(NOT TO SCALE)

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

**NOTES:**

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



**MATERIAL:**  
- ASTM A36 STEEL  
- ASTM A-123 HOT DIPPED GALVANIZED

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

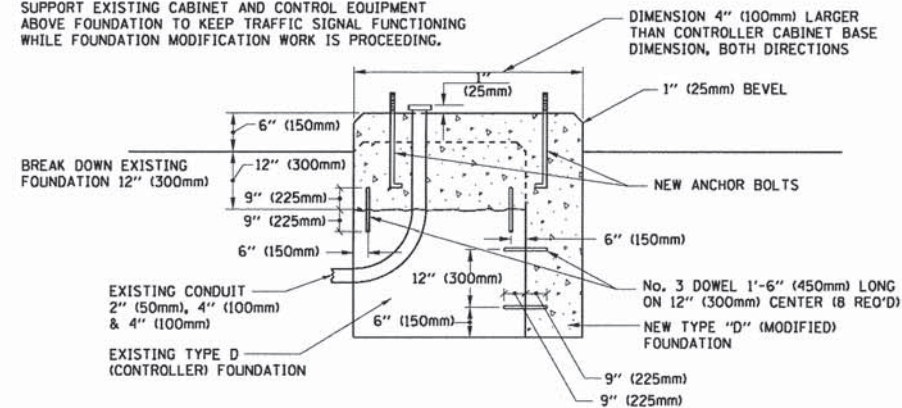
**SHROUD**

**NOTES:**

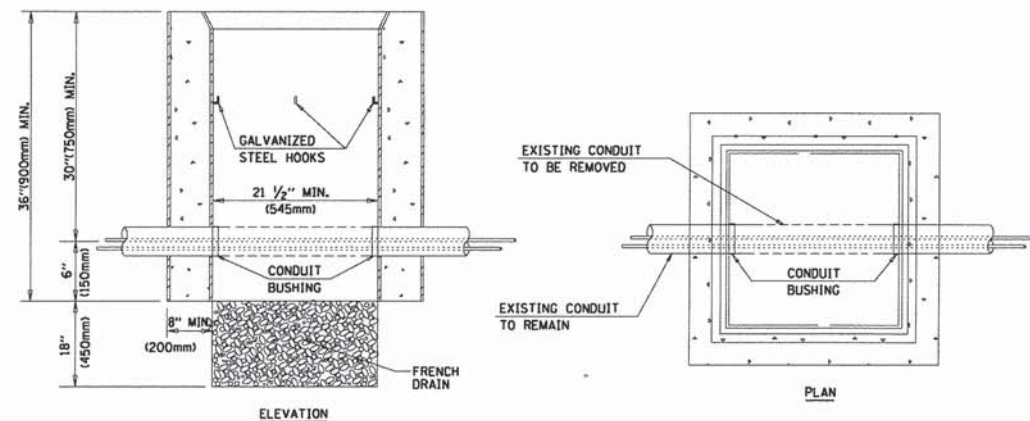
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

**NOTE:**

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



**MODIFY EXISTING TYPE "D" FOUNDATION**



**NOTES:**

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

**HANDHOLE TO INTERCEPT EXISTING CONDUIT**

FILE NAME =	USER NAME = Footemj	DESIGNED - DAD	REVISED - DAG 1-1-14
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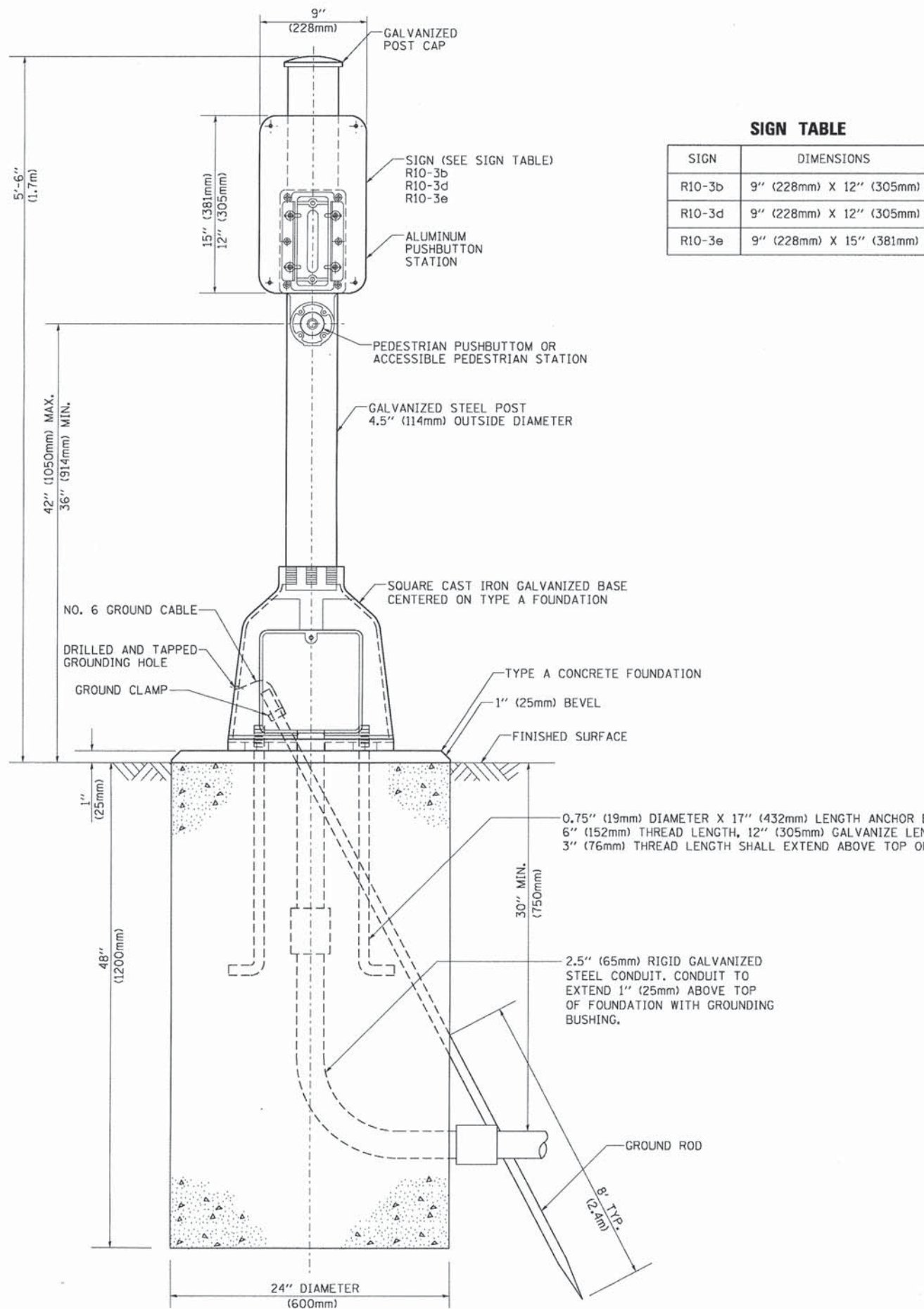
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE**  
**STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE

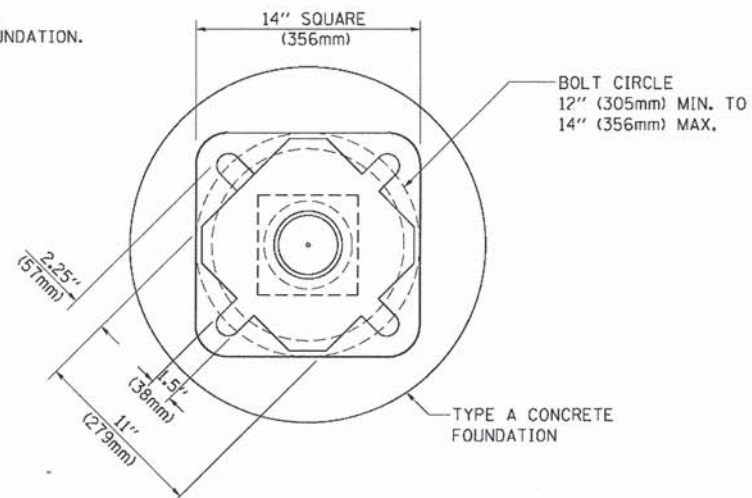
SHEET NO. 6 OF 7 SHEETS STA. TO STA.

F.A.LL RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1551	04-00032-00-RS	DUPAGE	58	44
TS-05		CONTRACT NO.		
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



**SIGN TABLE**

SIGN	DIMENSIONS
R10-3b	9" (228mm) X 12" (305mm)
R10-3d	9" (228mm) X 12" (305mm)
R10-3e	9" (228mm) X 15" (381mm)



**BOLT PATTERN**  
**PEDESTRIAN PUSH BUTTON POST, TYPE A**

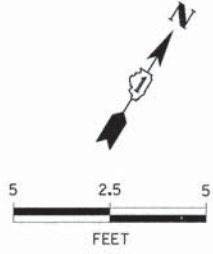
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	PLOT SCALE = 50.0000' / 1"	CHECKED - DAD	REVISED -
	PLOT DATE = 1/13/2014	DATE - 10/1/2012	REVISED -

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

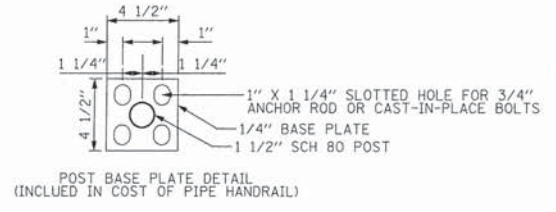
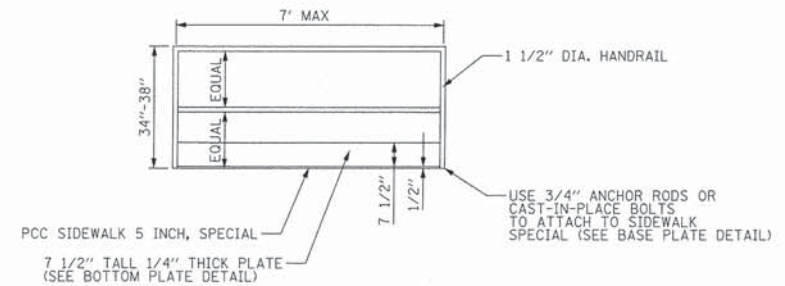
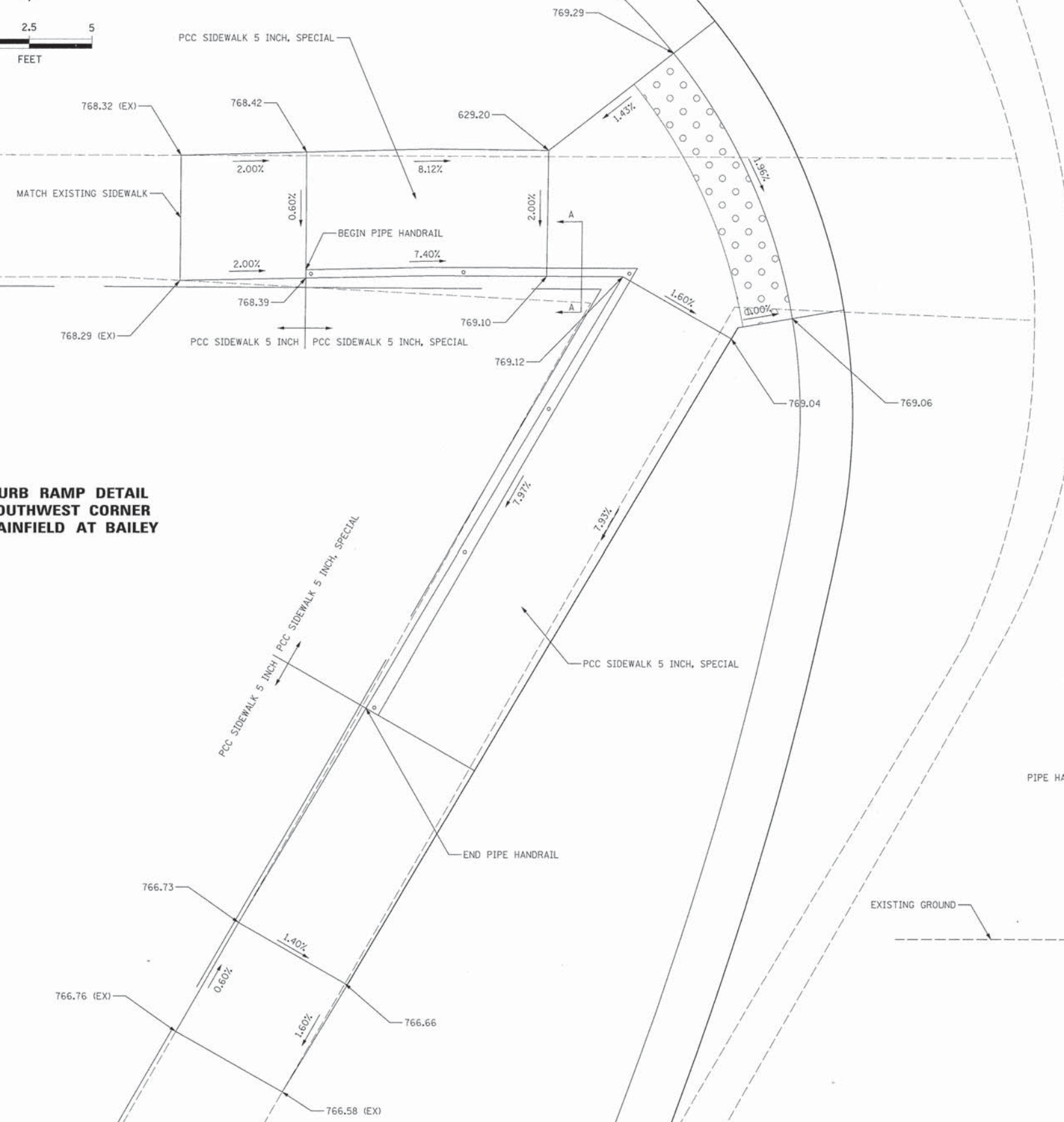
**DISTRICT ONE**  
**STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE    SHEET NO. 7 OF 7 SHEETS    STA.    TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1551	04-00032-00-RS	DUPAGE	58	45
<b>TS-05</b>			<b>CONTRACT NO.</b>	
FED. ROAD DIST. NO. 1   ILLINOIS   FED.-AID PROJECT				

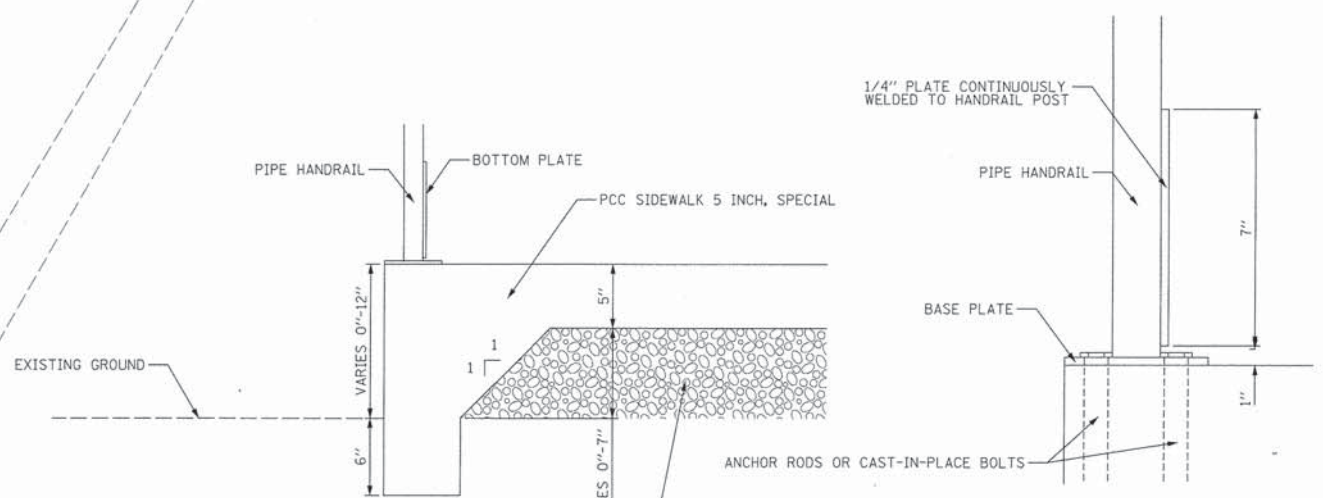


**CURB RAMP DETAIL  
SOUTHWEST CORNER  
PLAINFIELD AT BAILEY**



NOTES:  
 HANDRAIL SHALL CONFORM WITH SECTION 509 WITH THE EXCEPTION THAT ALL PIPE AND CONNECTIONS SHALL BE WELDED GALVANIZED OR ALUMINUM ACCORDING TO ARTICLE 1006.30 OR 1006.34

**PIPE HANDRAIL**



NOTES:  
 PLATE SHALL BE WELDED GALVANIZED OR ALUMINUM ACCORDING TO ARTICLE 1006.30 OR 1006.34. THE COST OF THE BOTTOM PLATE SHALL BE INCLUDED IN THE COST OF PIPE HANDRAIL.

9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

USER NAME = mthomas	DESIGNED - MT	REVISED -
PLLOT SCALE = 2"	DRAWN - PN	REVISED -
PLLOT DATE = 10/21/2015	CHECKED - JS	REVISED -
DATE = 10/20/15	DATE = 10/20/15	REVISED -

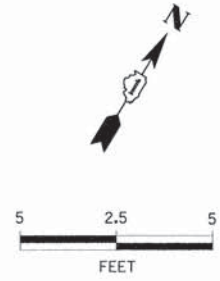
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLAINFIELD ROAD IMPROVEMENTS  
 CURB RAMP DETAIL**

SCALE: SHEET OF SHEETS STA. TO STA.

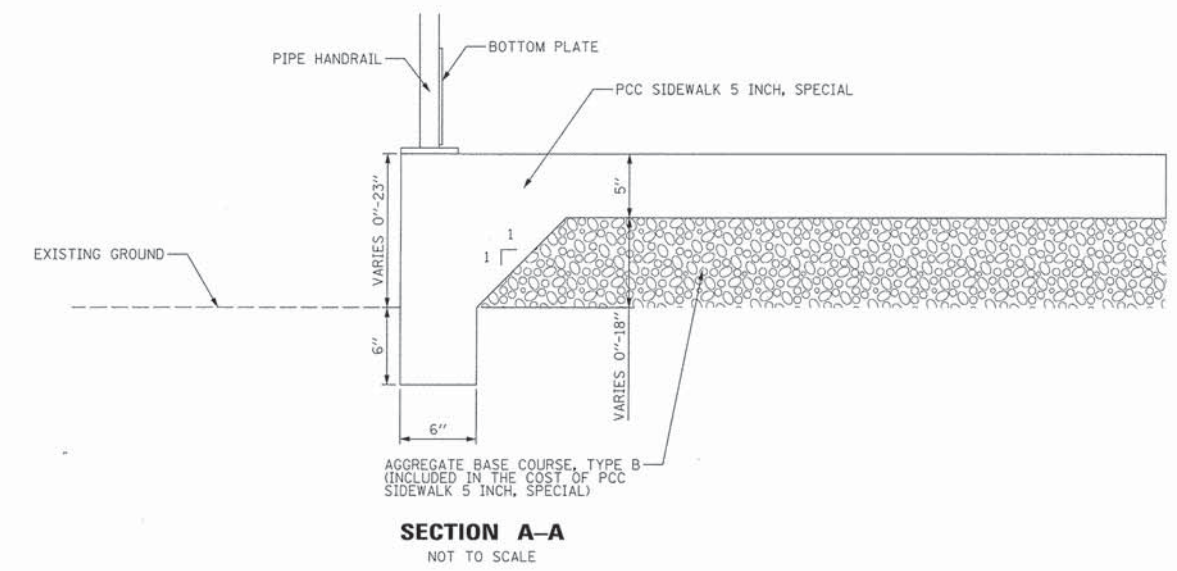
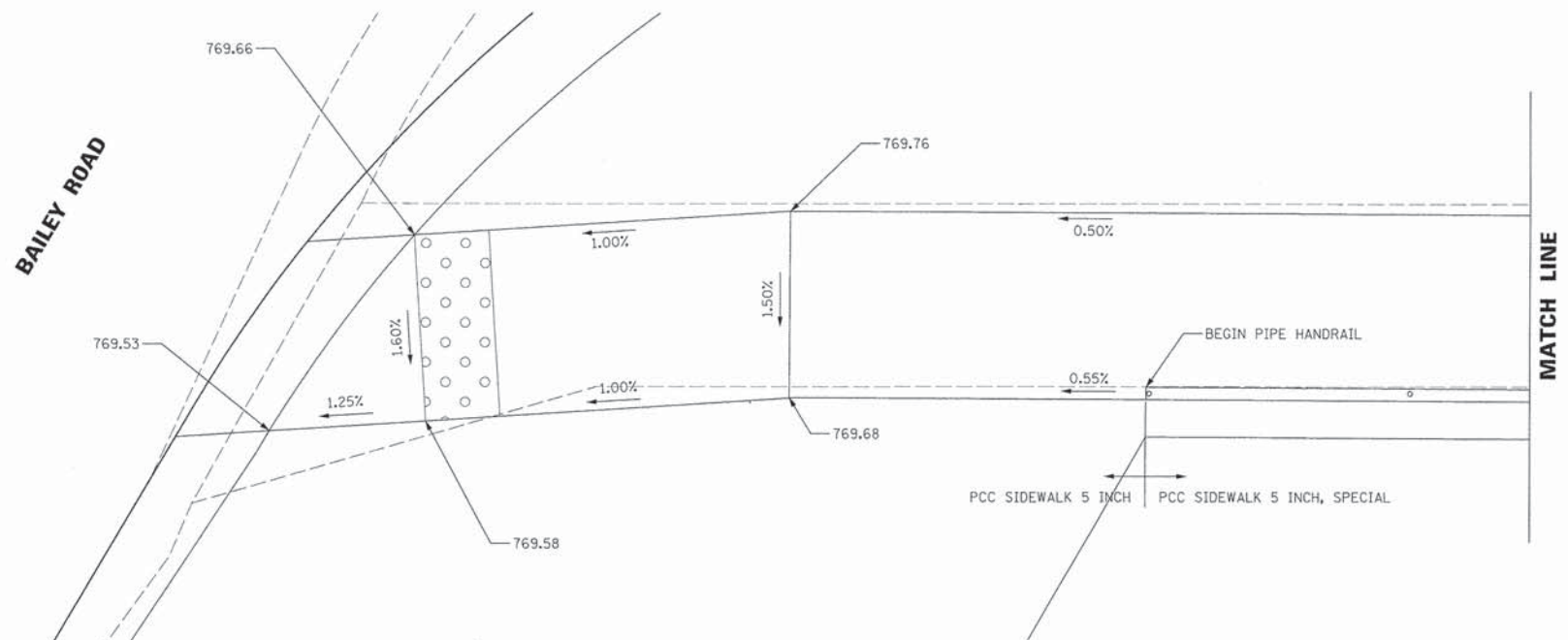
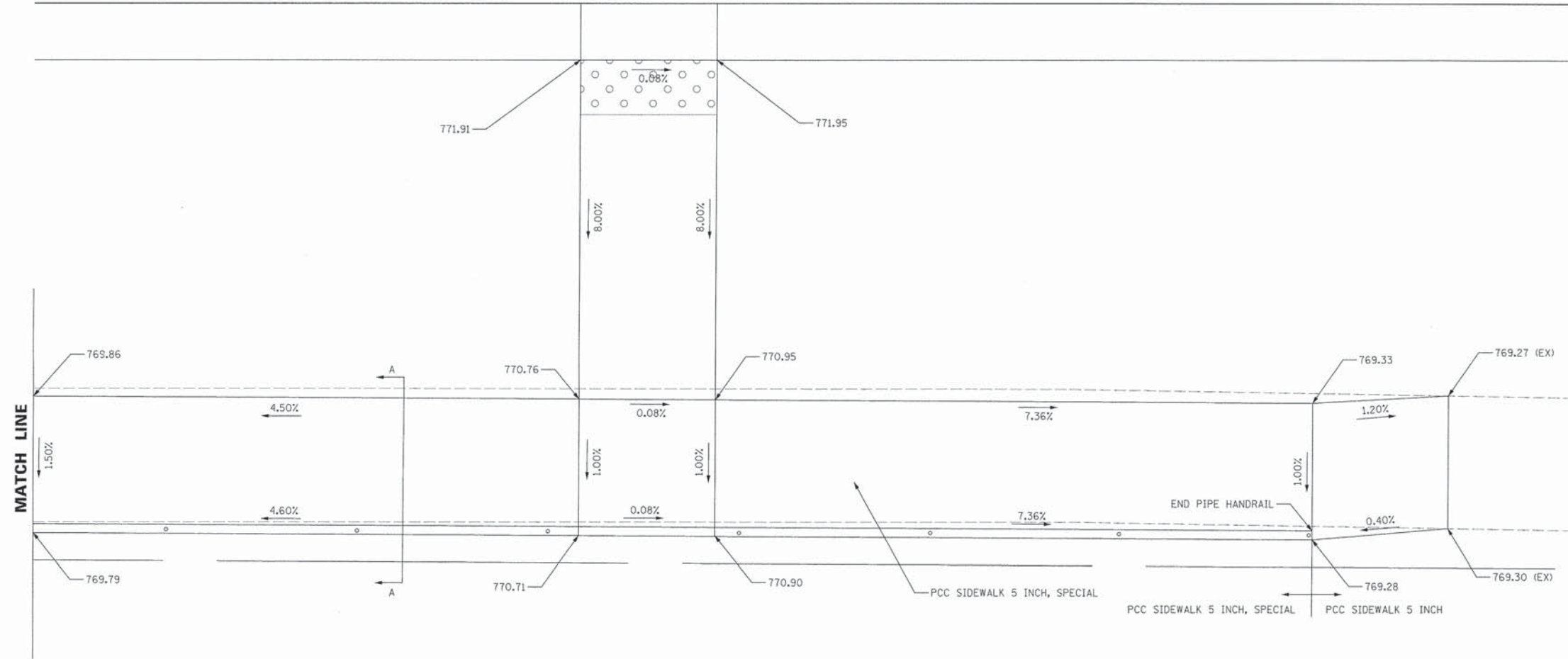
F.A.U. RTE. 1551	SECTION 14-00275-05-RS	COUNTY DUPAGE	TOTAL SHEETS 58	SHEET NO. 46
CONTRACT NO. 61C08				ILLINOIS FED. AID PROJECT

FILE NAME = N:\BARDIEN\140029PH2\CIV\1\0E1\_SW\_140029PH2\_01.DGN



**PLAINFIELD ROAD**

**CURB RAMP DETAIL  
SE CORNER  
PLAINFIELD AT BAILEY**



9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = mthomas  
PLOT SCALE = 2"  
PLOT DATE = 10/21/2015

DESIGNED - MT  
DRAWN - PN  
CHECKED - JS  
DATE - 10/20/16

REVISED -  
REVISED -  
REVISED -  
REVISED -

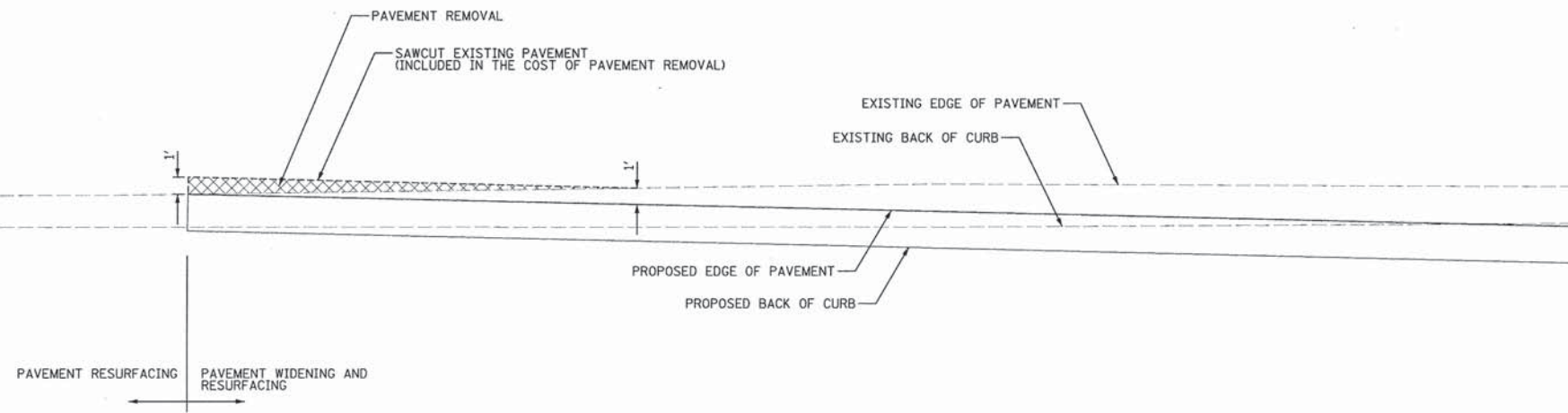
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAINFIELD ROAD IMPROVEMENTS  
CURB RAMP DETAIL**

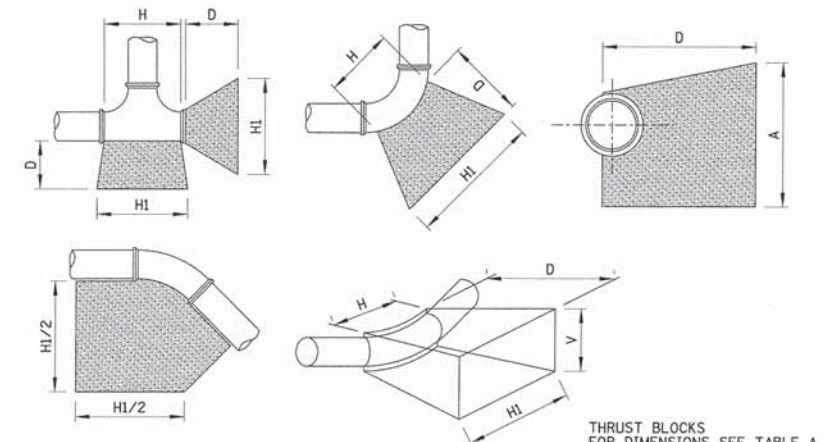
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 1551	SECTION 14-00275-05-RS	COUNTY DUPAGE	TOTAL SHEETS 58	SHEET NO. 47
CONTRACT NO. 61C08			[ILLINOIS] FED. AID PROJECT	

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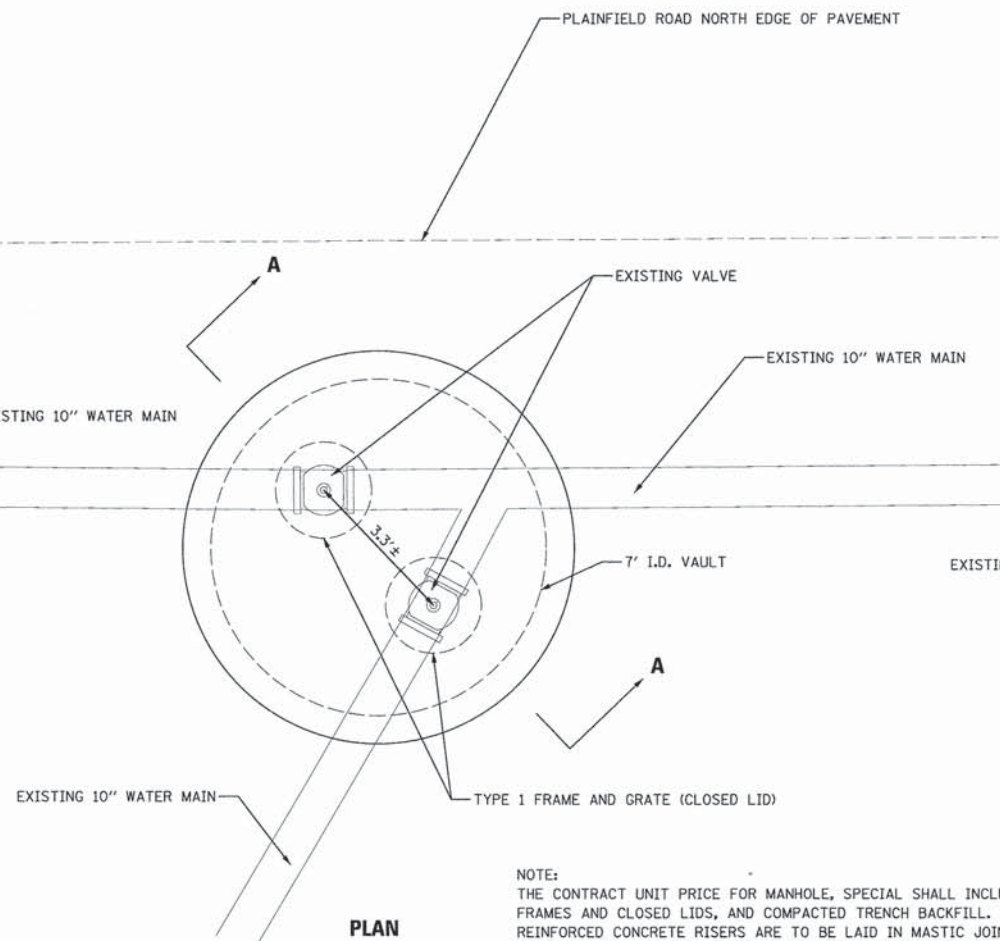
**SAWCUT - PAVEMENT REMOVAL AT WIDENING LIMITS**



SIZE OF PIPE	TAPPING TEES, SLEEVES AND PLUGS					90° BENDS					45° BENDS OR LESS				
	HI	H	V	D	C. FT.	HI	H	V	D	C. FT.	HI	H	V	D	C. FT.
12"	54"	30"	24"	24"	13.40	54"	32"	36"	36"	18.15	42"	18"	24"	24"	9.60
8"	36"	18"	18"	18"	5.05	39"	18"	24"	18"	7.50	30"	11"	18"	18"	3.95
6"	24"	16"	18"	18"	3.50	30"	16"	18"	18"	4.05	24"	10"	16"	18"	3.20
4"	20"	13"	15"	15"	2.15	24"	12"	13"	13"	1.75	20"	8"	12"	12"	1.20

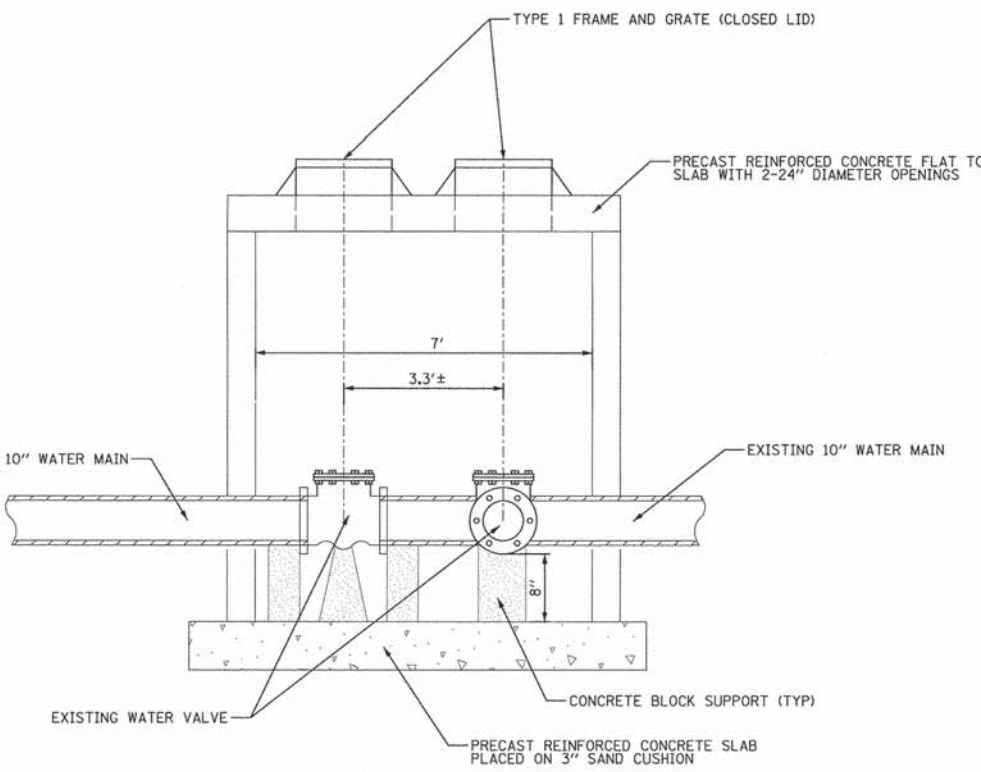
**WATER MAIN THRUST BLOCKING - TABLE A**  
N.T.S.

NOTE: THRUST BLOCKING TO BE INSTALLED AT ALL HORIZONTAL AND VERTICAL BENDS, CAPS, VALVES, HYDRANTS AND AT LOCATIONS DIRECTED BY ENGINEER. THRUST BLOCK TO BE READY MIXED PORTLAND CEMENT CONCRETE, PLACED BETWEEN SOLID GROUND AND FITTING, AND SHALL BE ANCHORED IN SUCH A MANNER THAT PIPE AND FITTING WILL BE ACCESSIBLE FOR REPAIR. ALL ENDS OD 1 1/4" OR MORE, ALL TEES AND ALL PLUGS SHALL BE PROTECTED AS SHOWN. WHERE CONDITIONS PREVENT THE USE OF CONCRETE THRUST BLOCKS, RESTRAINED JOINTS OF A TYPE APPROVED BY THE ENGINEER MAY BE USED.



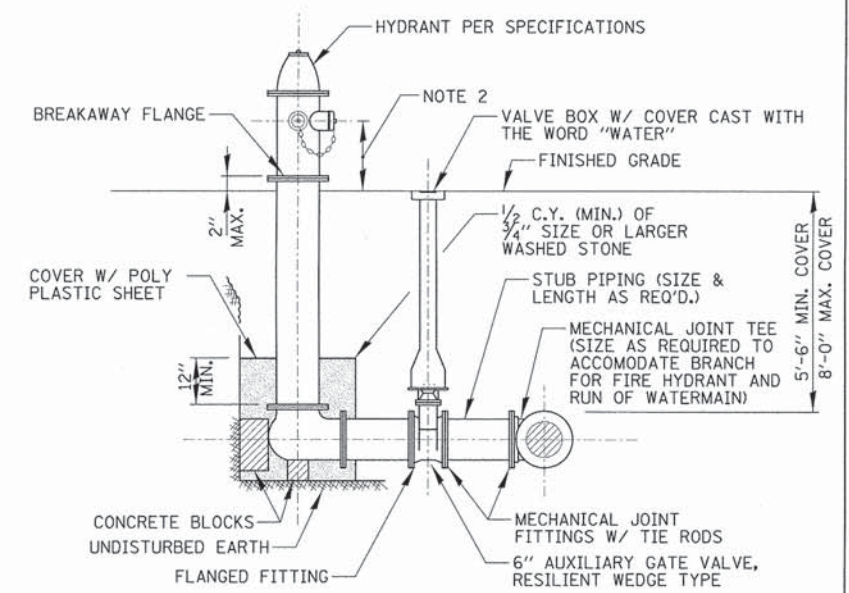
NOTE:  
THE CONTRACT UNIT PRICE FOR MANHOLE, SPECIAL SHALL INCLUDE 2 FRAMES AND CLOSED LIDS, AND COMPACTED TRENCH BACKFILL. PRECAST REINFORCED CONCRETE RISERS ARE TO BE LAID IN MASTIC JOINTS WITH FLUSH JOINTS. FURNISHING AND INSTALLING SAND CUSHION AND CONCRETE BLOCK SUPPORTS TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR MANHOLE, SPECIAL.

THE CONTRACTOR SHALL FIELD LOCATE EXISTING VALVES AND VERIFY DIMENSIONS PRIOR TO PRECASTING STRUCTURE.



**SECTION A-A**

**MANHOLE, SPECIAL**



**NOTES:**

1. LOCATION OF AUXILLIARY VALVE SHALL BE DEPENDENT UPON LOCATION OF EXISTING WATERMAIN. ACTUAL LOCATION TO BE DETERMINED IN THE FIELD BY CONTRACTOR AND ENGINEER. IF EXISTING WATERMAIN CONFLICTS WITH HYDRANT LEAD, SET HYDRANT AUXILLIARY VALVE, PROVIDE TEMPORARY CAP AND BRACE. INSTALL HYDRANT AFTER EXISTING WATERMAIN HAS BEEN REMOVED.
2. PROVIDE 18 INCHES TO 24 INCHES CLEARANCE BETWEEN NOZZLE AND FINISHED GRADE.
3. MINIMUM NOZZLE SIZES SHALL INCLUDE TWO 2-1/2" AND ONE 4".
4. PROVIDE 2 FOOT DIAMETER BY 2 FEET DEEP DRAINAGE PIT AROUND AND ADJACENT TO FIRE HYDRANT, FILLED WITH WASHED STONE.
5. HYDRANTS SHALL BE PAINTED RED IN COLOR.
6. FIRE HYDRANTS SHALL BE LOCATED 3' (MIN.) TO 5' (MAX.) FROM BACK OF CURB AS SHOWN ON THE DRAWINGS OR AS OTHERWISE DIRECTED BY THE ENGINEER.

**STANDARD FIRE HYDRANT INSTALLATION**

N.T.S.

9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = mthomas	DESIGNED - MT	REVISED -
	DRAWN - PN	REVISED -
PLOT SCALE = 1/8"	CHECKED - JS	REVISED -
PLOT DATE = 10/21/2015	DATE = 10/20/15	REVISED -

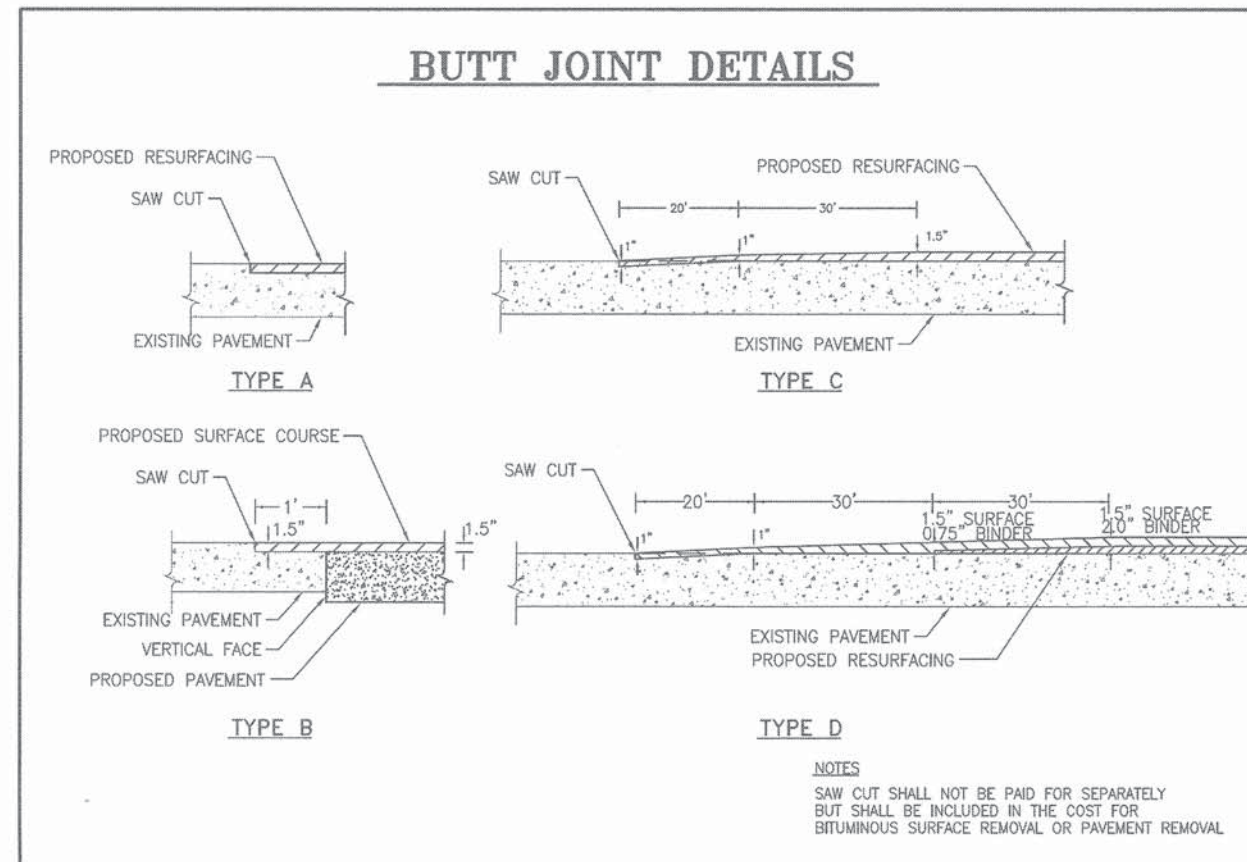
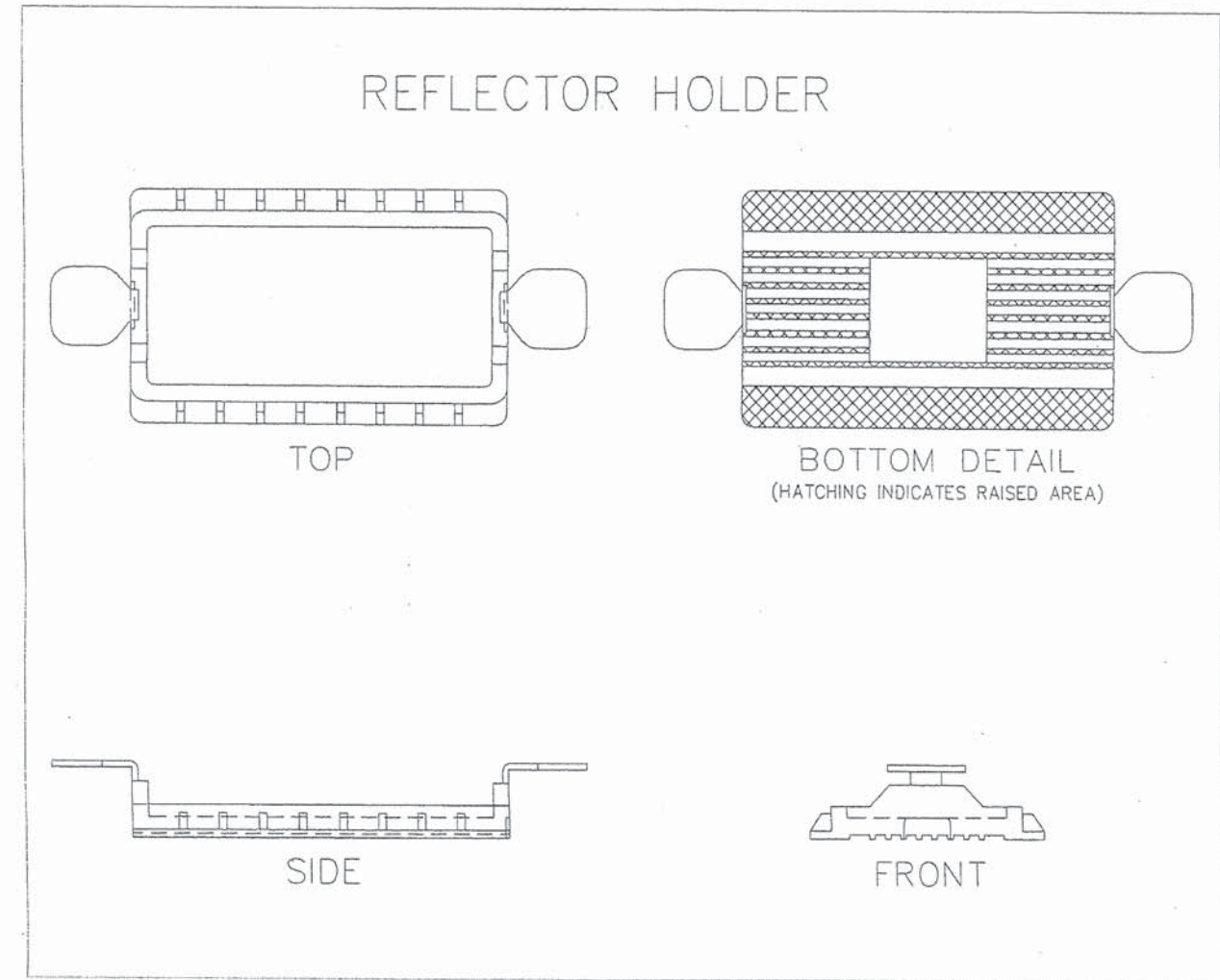
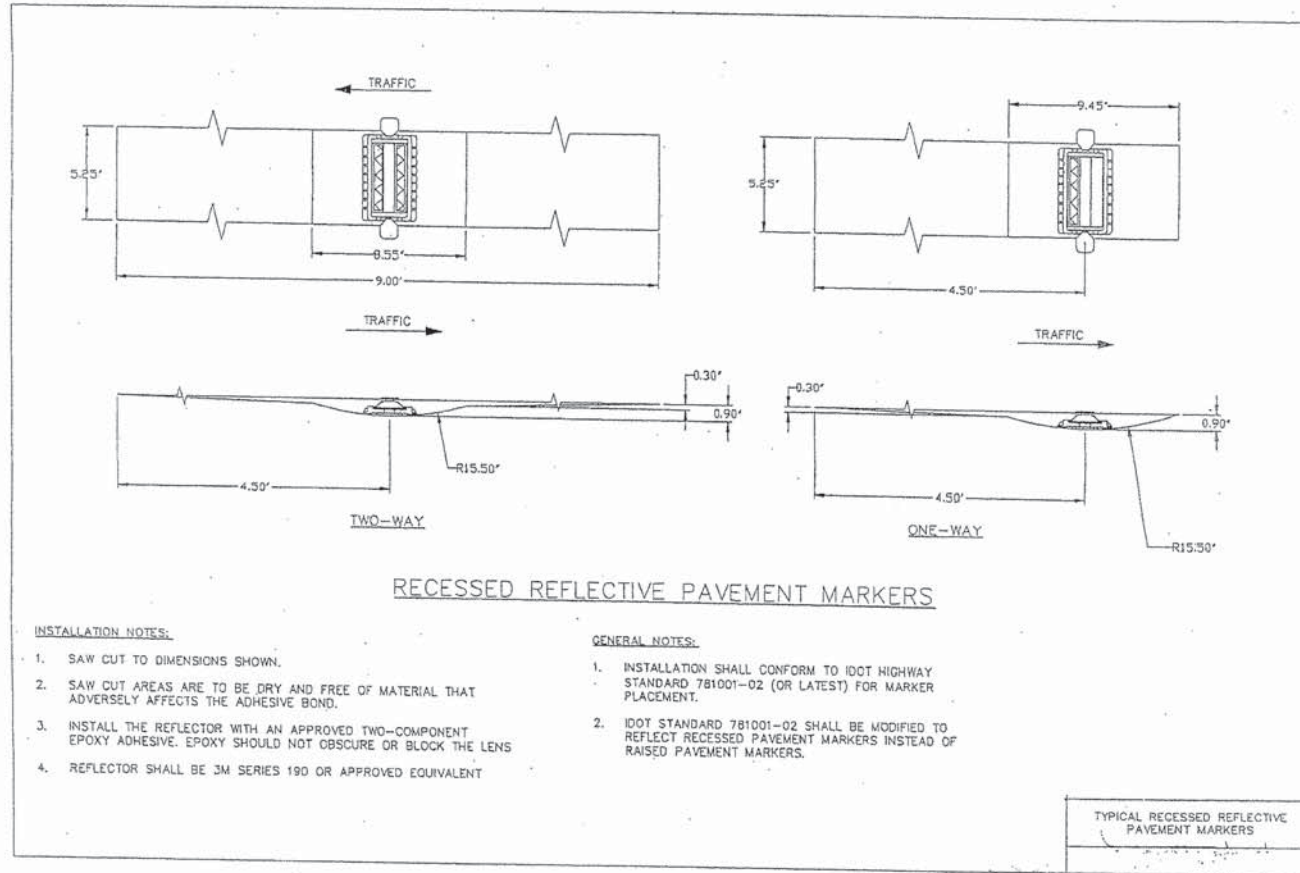
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

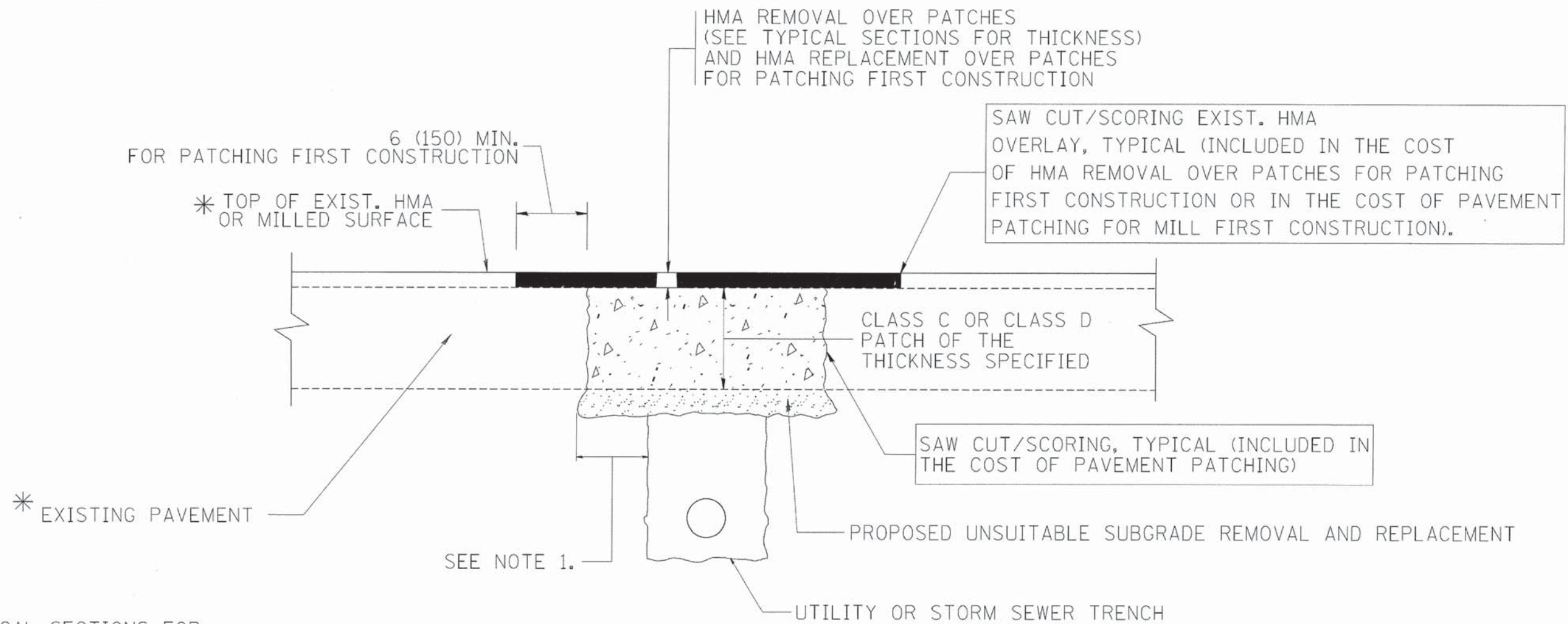
**PLAINFIELD ROAD IMPROVEMENTS  
CONSTRUCTION DETAILS**

F.A.U. RTE. 1551	SECTION 14-00275-05-RS	COUNTY DUPAGE	TOTAL SHEETS 58	SHEET NO. 48
			CONTRACT NO. 61C08	

SCALE: SHEET OF SHEETS STA. TO STA.







\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

**NOTES:**

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

**SEQUENCE OF CONSTRUCTION (PATCHING FIRST)**

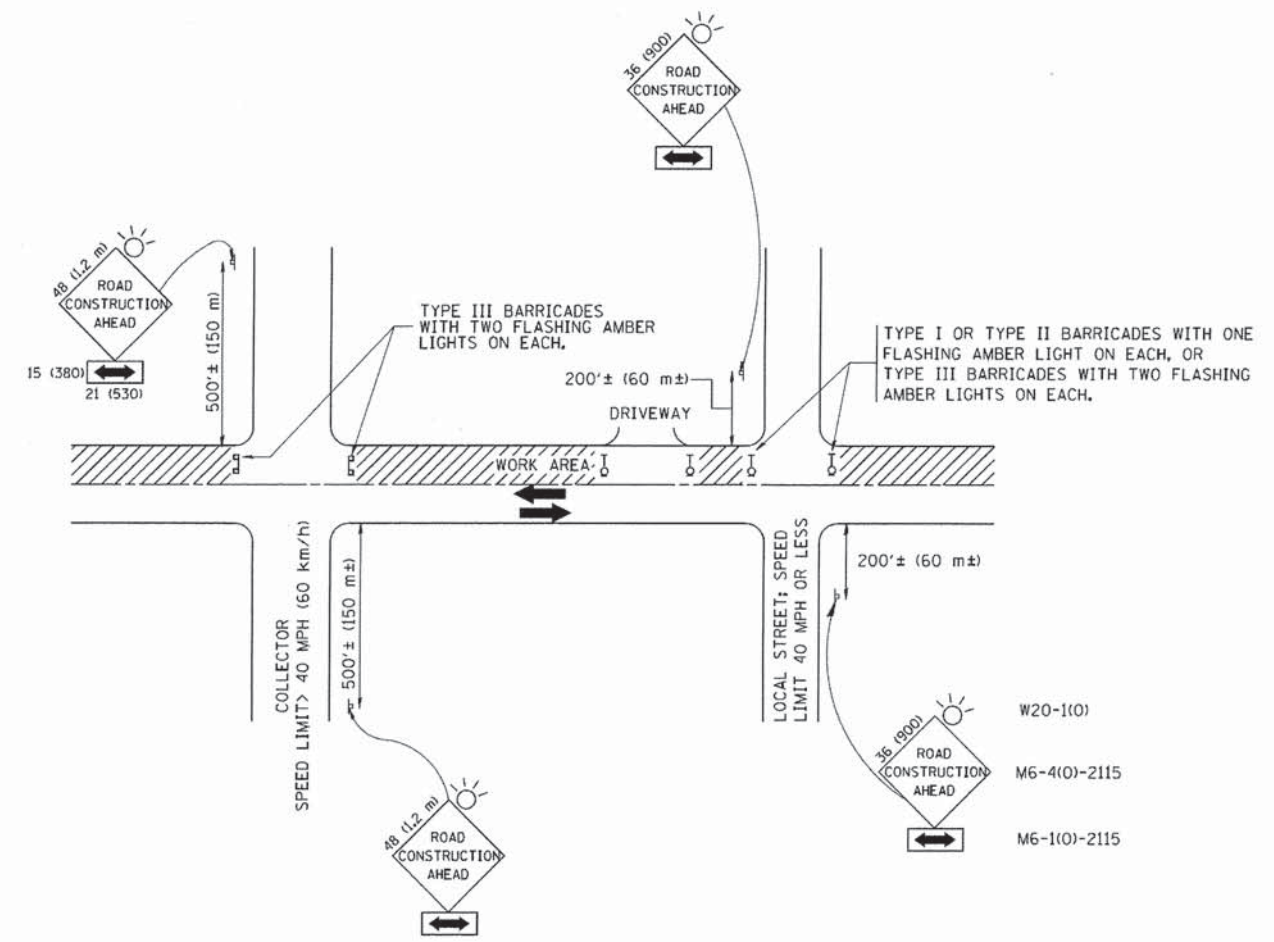
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

**SEQUENCE OF CONSTRUCTION (MILLING FIRST)**

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

FILE NAME = c:\projects\dststd22x34\bd22.dgn	USER NAME = bauerd	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>			F.A. RTE. 1551	SECTION 04-00032-00-RS	COUNTY DUPAGE	TOTAL SHEETS 58	SHEET NO. 50
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	<b>BD400-04 (BD-22)</b>		CONTRACT NO.		
	PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							



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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
    1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
      - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
      - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
    2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
      - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1,2 m x 1,2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
      - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
  - 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
 

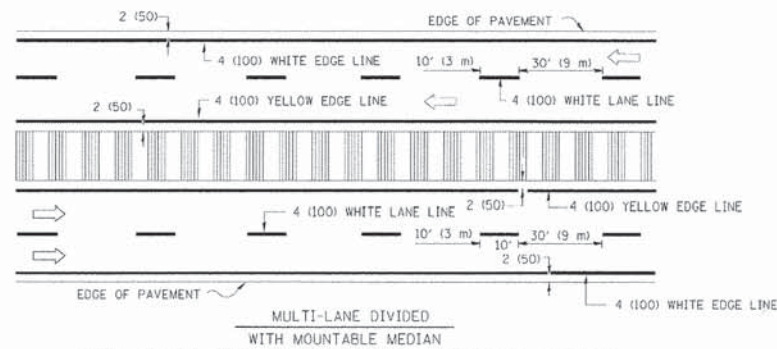
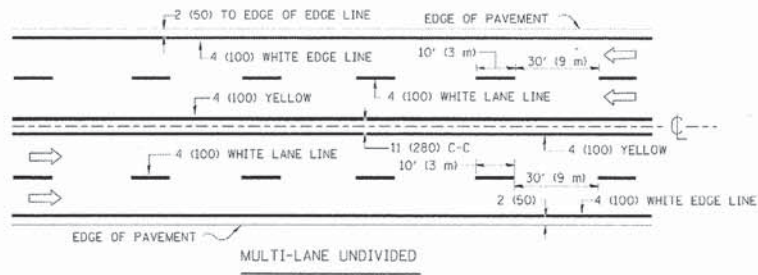
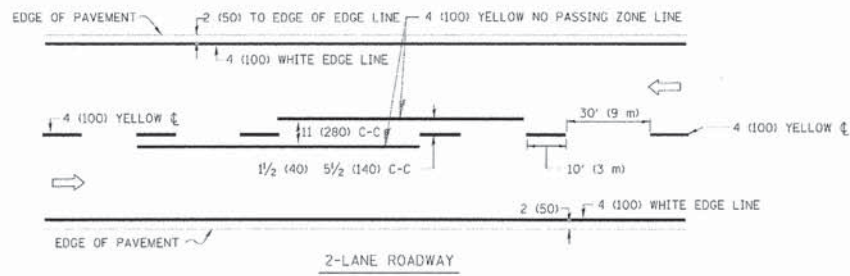
USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER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

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

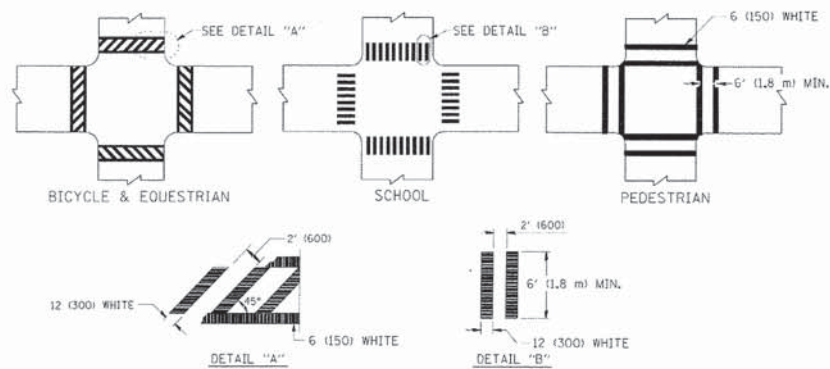
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

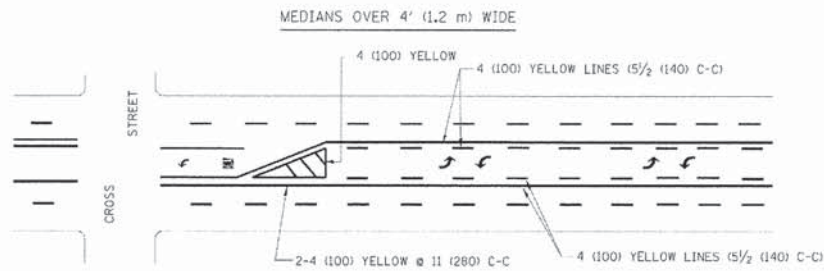
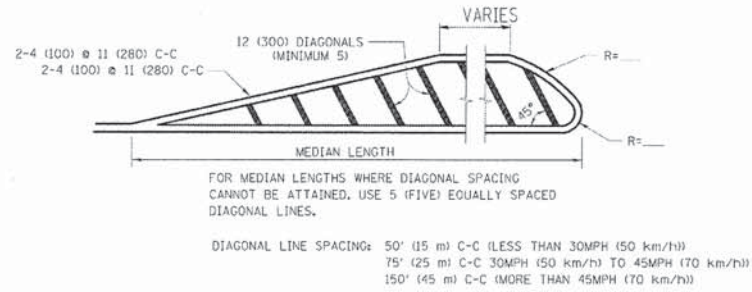
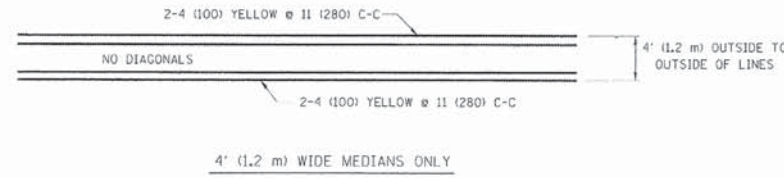
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	1551	04-00032-00-RS	DUPAGE	58	51
STA. TO STA.		TC-10		CONTRACT NO.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						



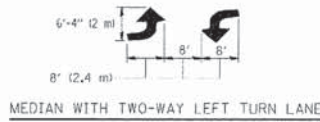
NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE  
**TYPICAL LANE AND EDGE LINE MARKING**



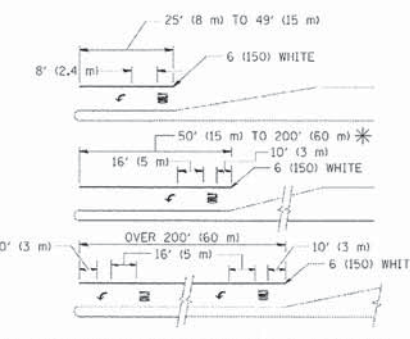
**TYPICAL CROSSWALK MARKING**



A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



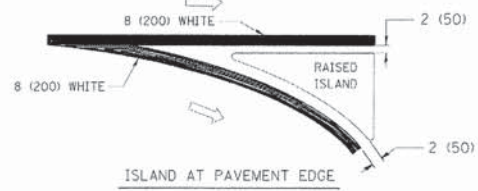
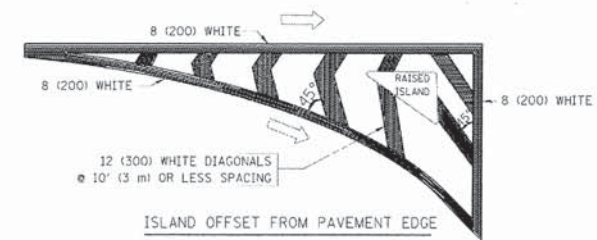
**TYPICAL PAINTED MEDIAN MARKING**



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
 AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
 \* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

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

**TYPICAL TURN LANE MARKING**



**TYPICAL ISLAND MARKING**

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

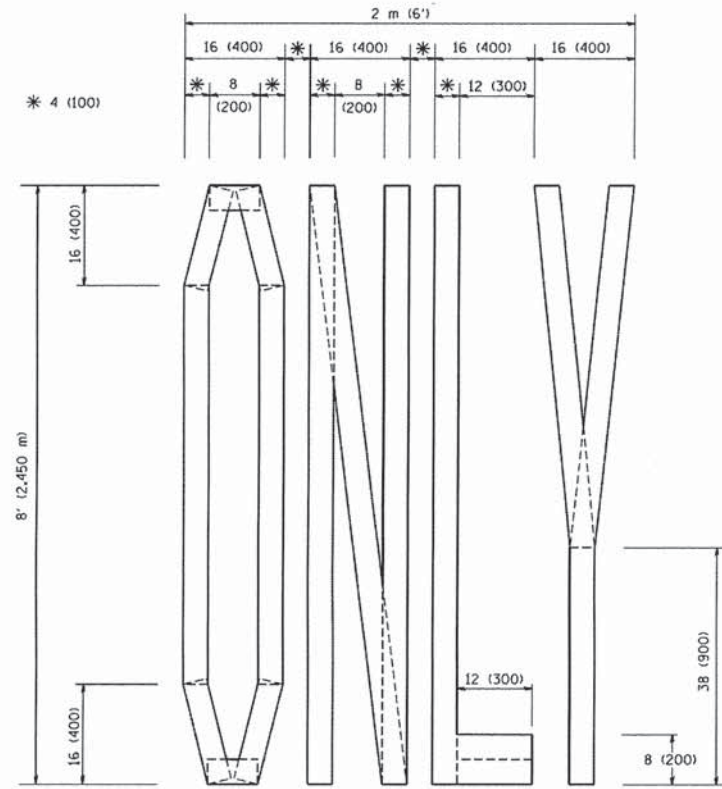
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME -	USER NAME - drvakosgr	DESIGNED - EVERS	REVISED - T. RAMMACHER 10-27-94
es:\p\work\pav\drvakosgr\dr186315\st	3/19/99	DRAWN -	REVISED - C. JUCIUS 09-09-09
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	PLOT DATE - 9/9/2009	DATE - 03-19-90	REVISED -

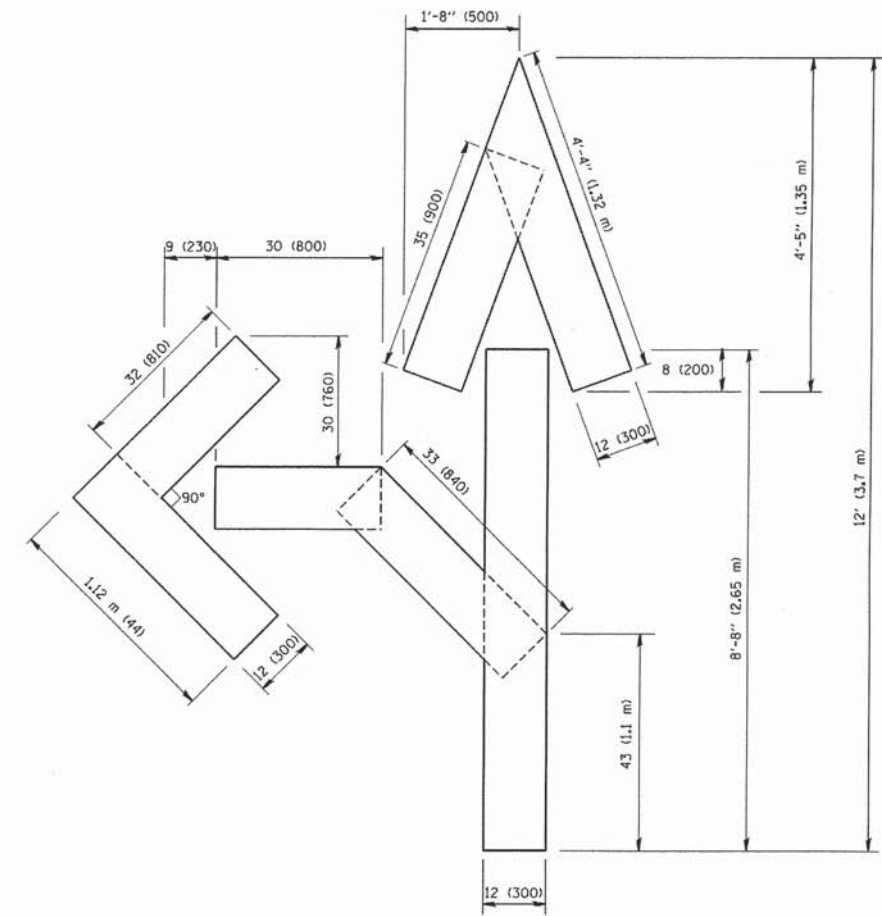
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DISTRICT ONE			
TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

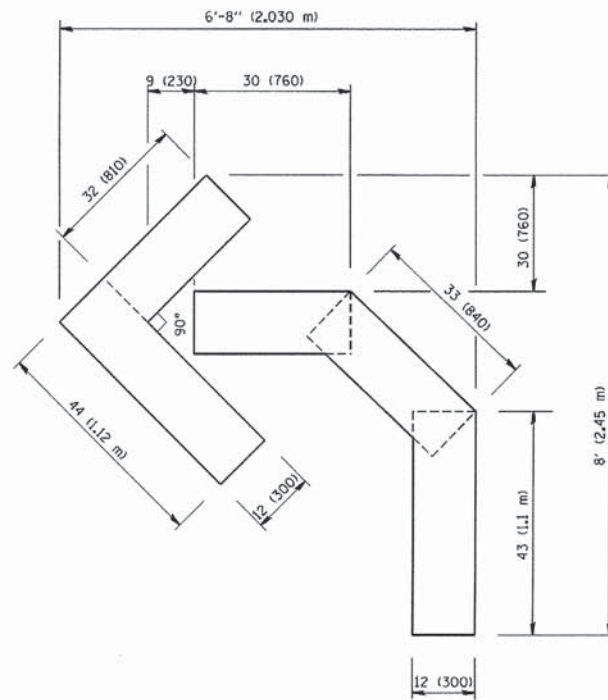
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1551	04-00032-00-RS	DUPAGE	58	52
TC-13 CONTRACT NO.				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				



QUANTITY  
 4 (100) LINE = 64.1 ft. (19.7 m)  
 21.1 sq. ft. (1.97 sq. m)



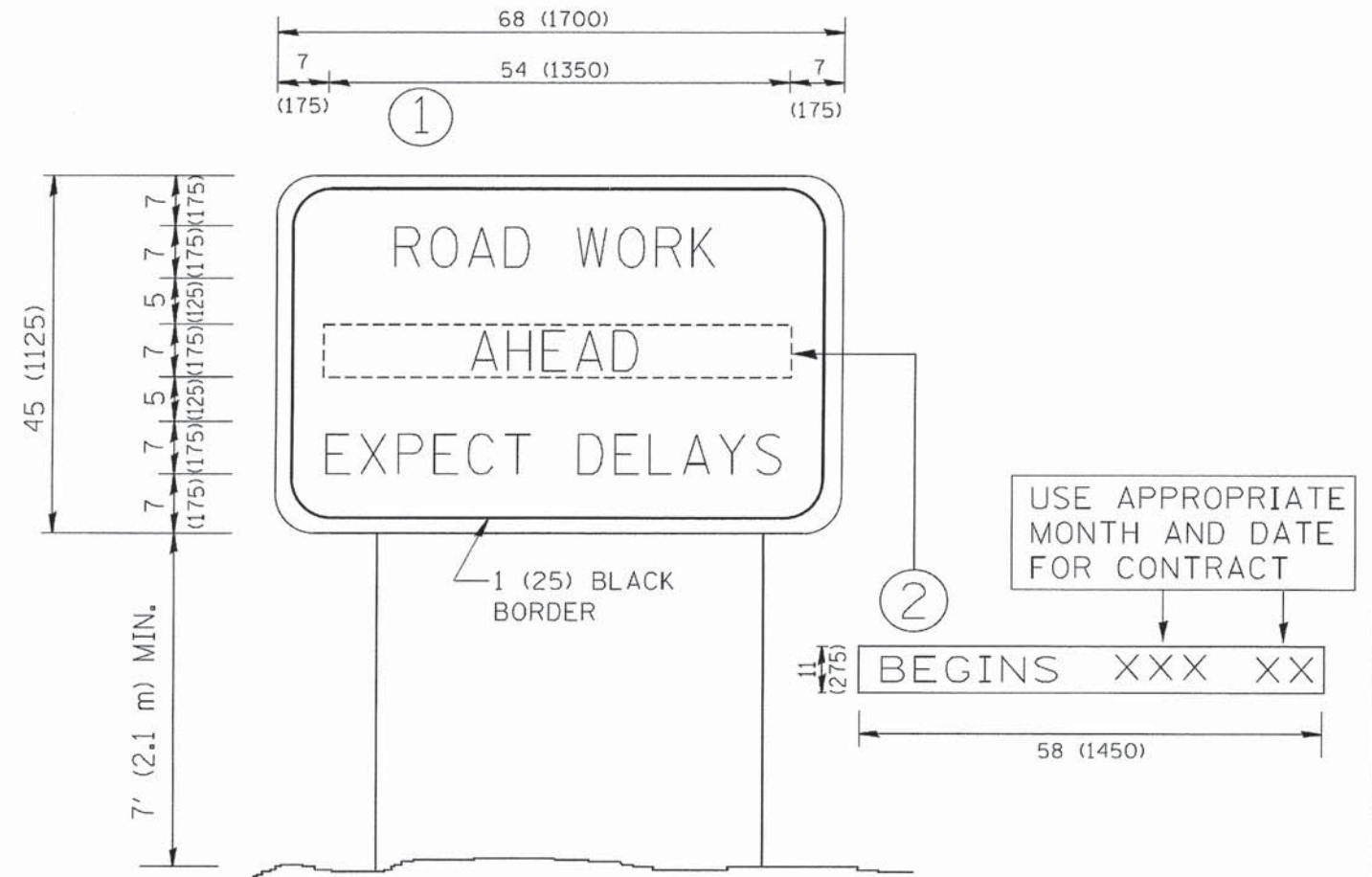
QUANTITY  
 4 (100) LINE = 82.5 ft. (25.3 m)  
 27.5 sq. ft. (2.53 sq. m)



QUANTITY  
 4 (100) LINE = 45.5 ft. (13.9 m)  
 15.2 sq. ft. (1.39 sq. m)

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

FILE NAME * W:\diststd\22x34\tc16.dgn	USER NAME * gaglianobt	DESIGNED - DRAWN -	REVISOR - REVISOR -	DESIGNED - DRAWN -	REVISOR - REVISOR -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	PLOT SCALE * 50.0000 "/ IN.	CHECKED - DATE -	REVISOR - DATE -	REVISOR - DATE -	REVISOR - DATE -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	551	04-00032-00-RS	DUPAGE	58	53
	PLOT DATE * 1/4/2008	DATE - 09-18-94	REVISOR - 08-28-00	REVISOR - 03-02-98	REVISOR - 06-05-96						TC-16		CONTRACT NO.		



**NOTES:**

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

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

FILE NAME = W:\diststd\22x34\to22.dgn	USER NAME = geglienobt	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
		CHECKED -	REVISED - T. RAMMACHER 02-02-99
		DATE -	REVISED - C. JUCIUS 01-31-07

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

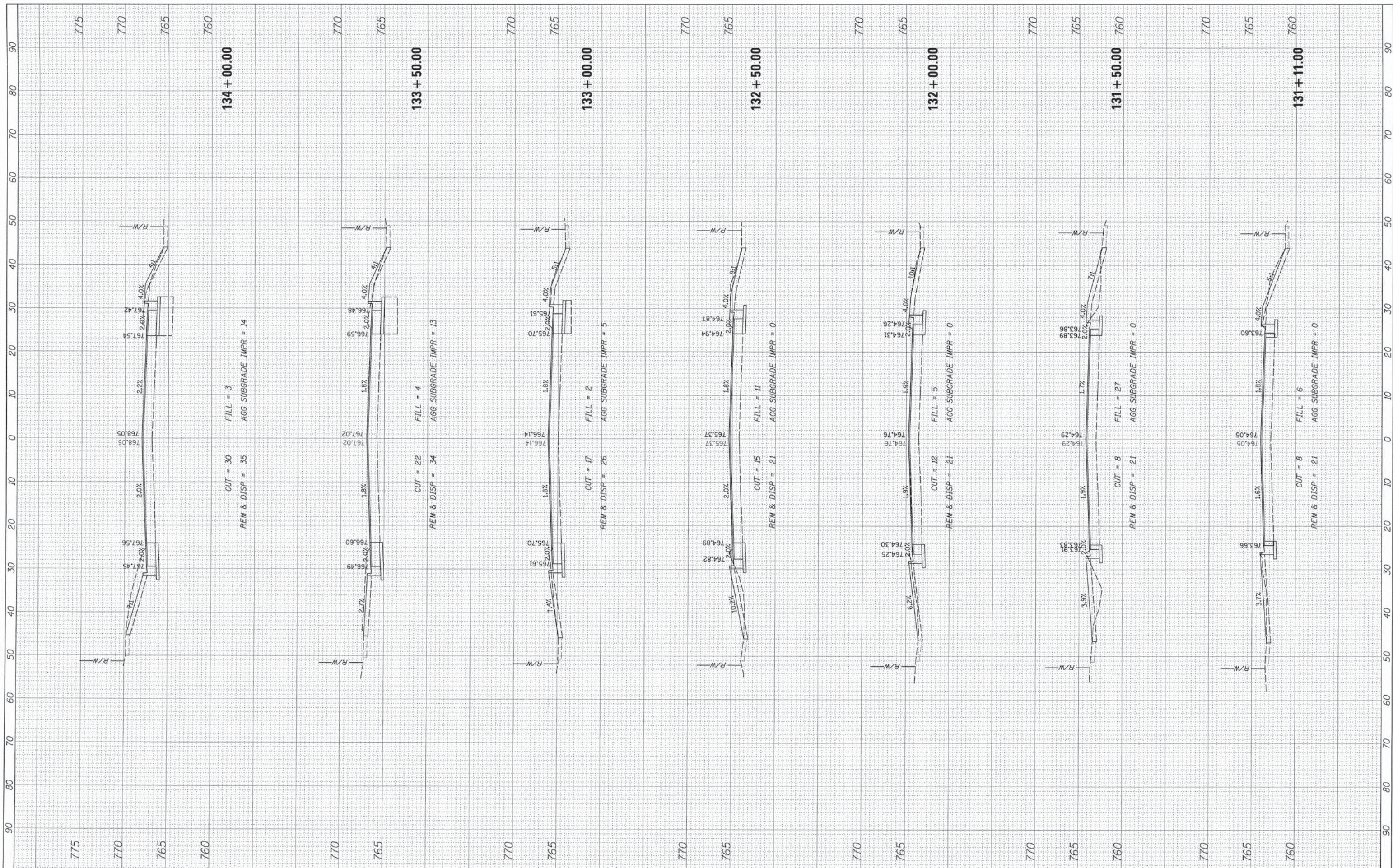
ARTERIAL ROAD  
INFORMATION SIGN

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1551	04-00032-00-RS	DUPAGE	58	54
TC-22		CONTRACT NO.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		



9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = mthomas  
DESIGNED - MT  
DRAWN - PN  
CHECKED - JS  
DATE - 10/20/15

REVISOR -  
REVISOR -  
REVISOR -  
REVISOR -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

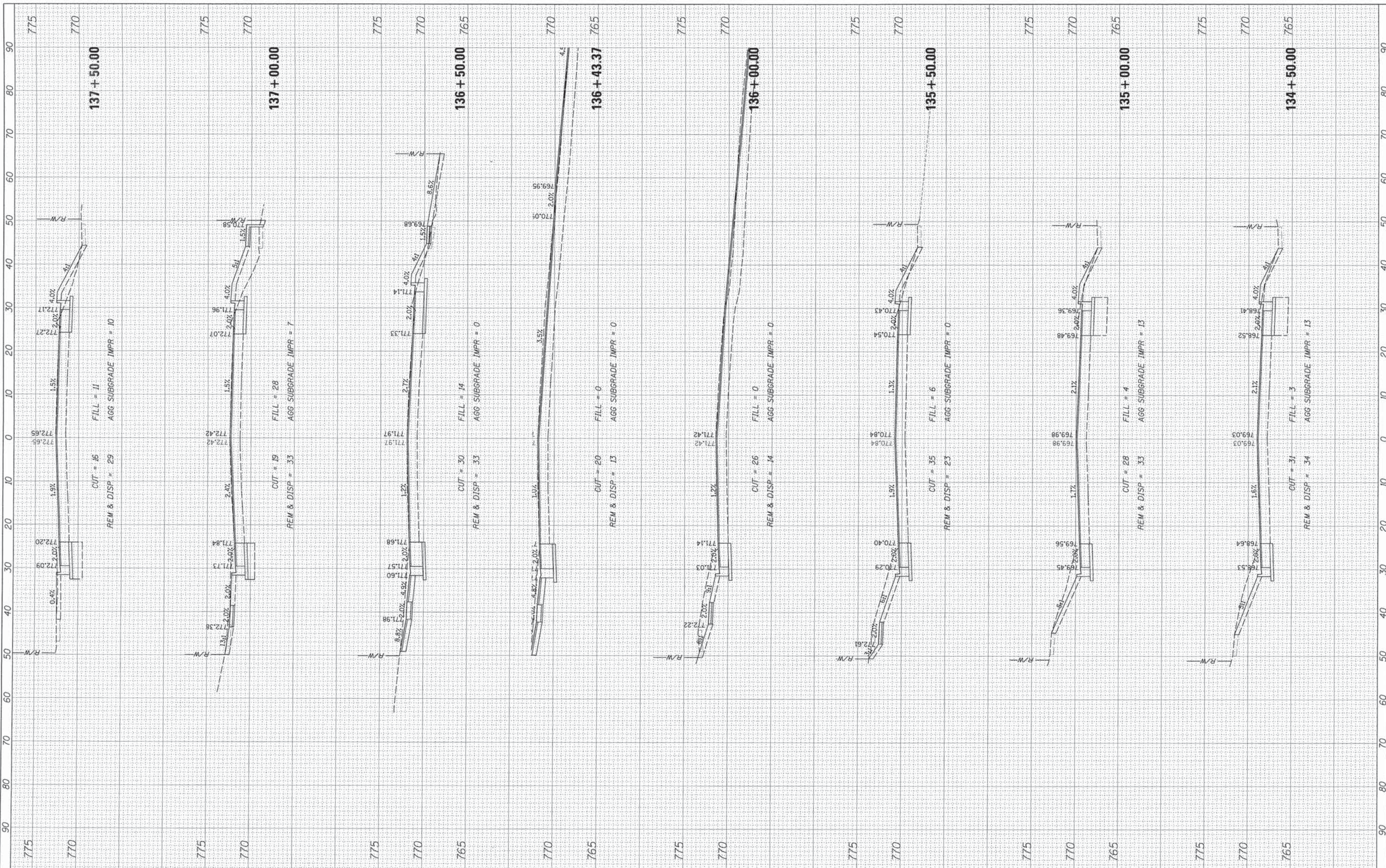
PLAINFIELD ROAD IMPROVEMENTS  
PLAINFIELD ROAD - CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 131+11.00 TO STA. 134+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1551	14-00275-05-RS	DUPAGE	58	55
				CONTRACT NO. 61C08
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		



9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = mthomas	DESIGNED - MT	REVISOR -
PLLOT SCALE = 1" = 40'	DRAWN - PN	REVISOR -
PLLOT DATE = 10/21/2015	CHECKED - JS	REVISOR -
	DATE - 10/20/15	REVISOR -

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

**PLAINFIELD ROAD IMPROVEMENTS**  
**PLAINFIELD ROAD - CROSS SECTIONS**

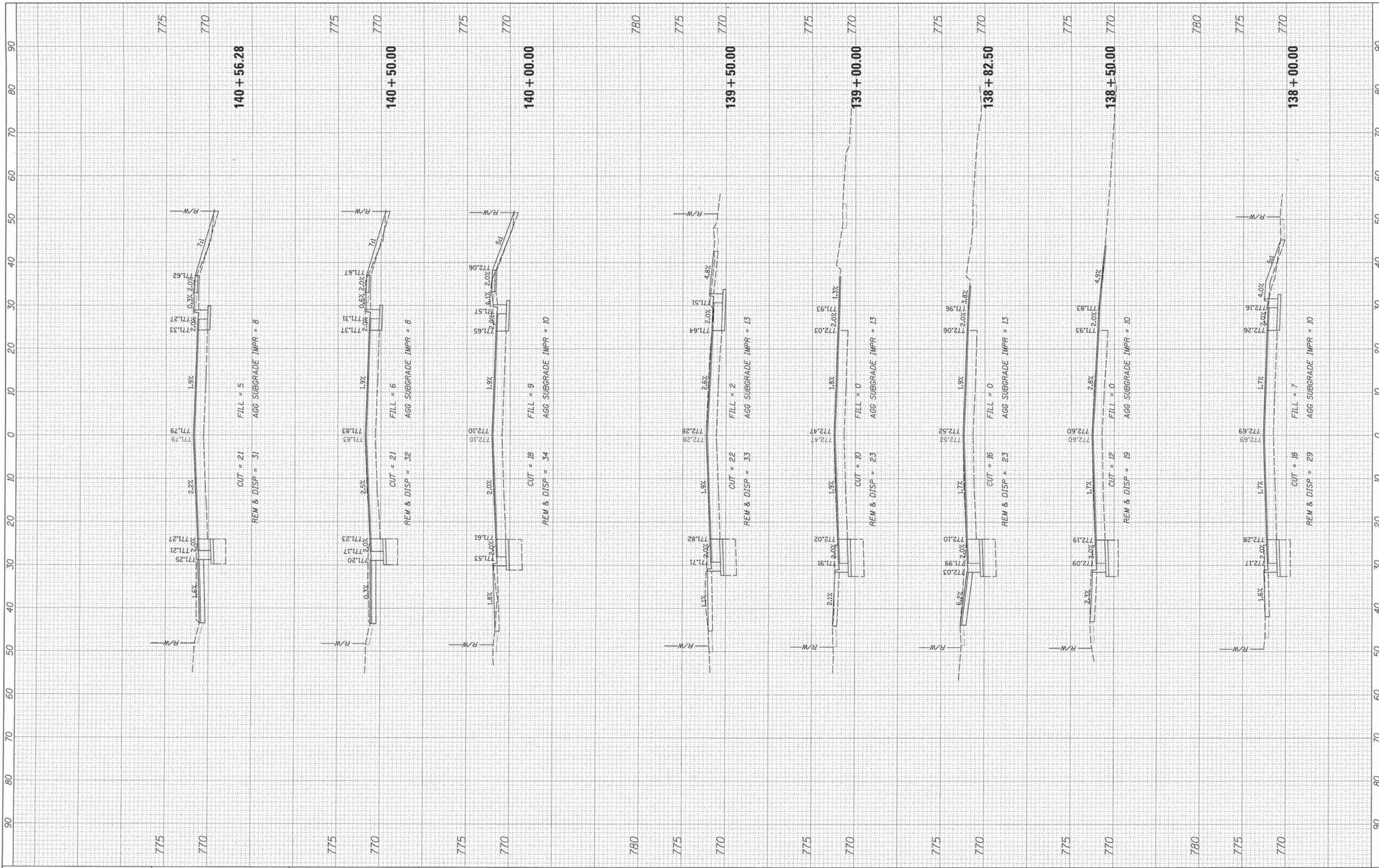
SCALE: SHEET OF SHEETS STA. 134+50.00 TO STA. 137+50.00

F.A.U. RTE. 1551	SECTION 14-00275-05-RS	COUNTY	TOTAL SHEETS 58	SHEET NO. 56
[ILLINOIS] FED. AID PROJECT			CONTRACT NO. 61C08	



FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	AREAS CHECKED		



9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0600

USER NAME =	mthomas
DESIGNED =	MT
DRAWN =	PN
CHECKED =	JS
DATE =	10/20/15
PLLOT SCALE =	1" = 10'
PLLOT DATE =	10/21/2015

REVISED =	-
REVISED =	-
REVISED =	-
REVISED =	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

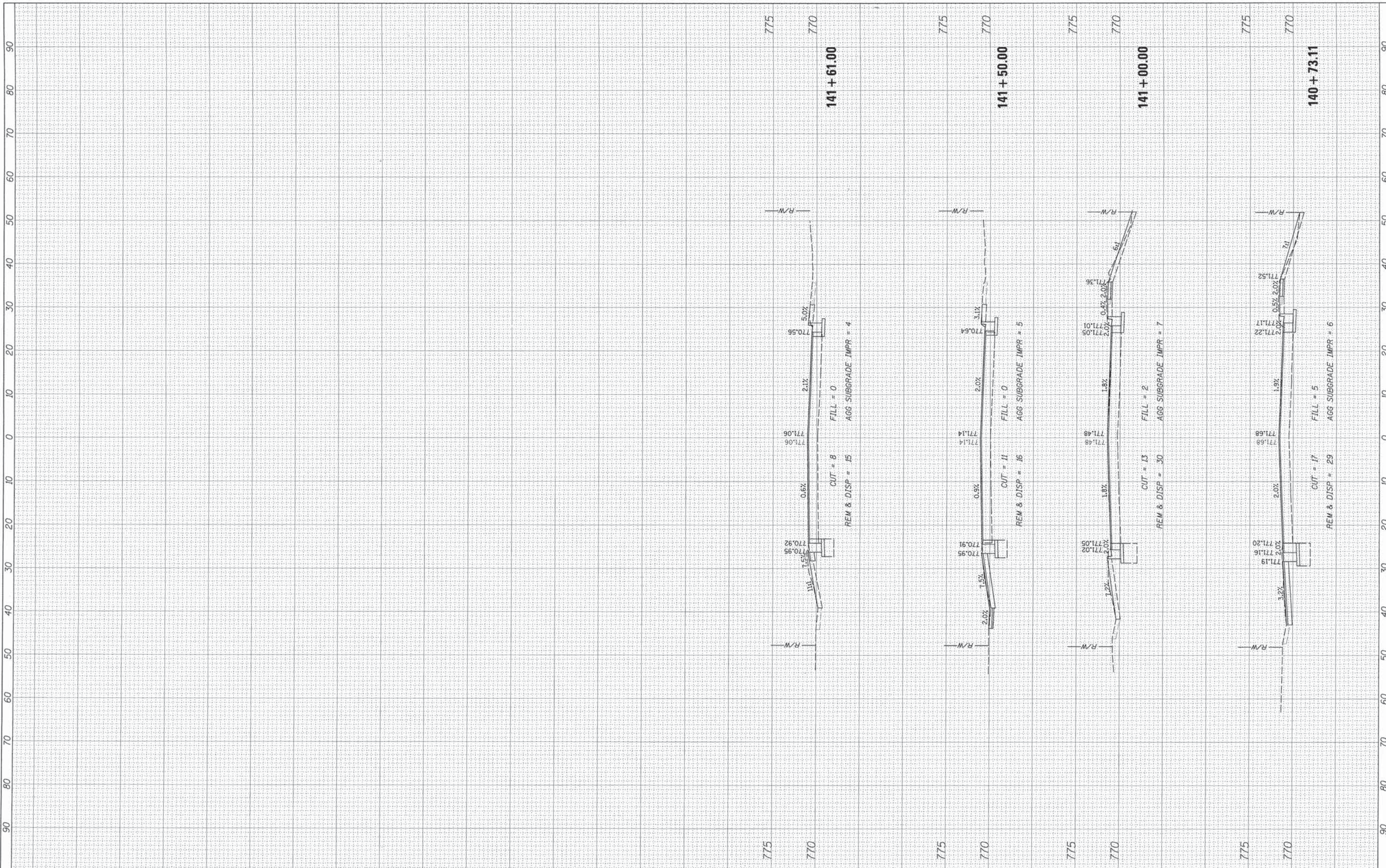
SCALE:	SHEET	OF	SHEETS	STA. 138+00.00	TO	STA. 140+56.28
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**PLAINFIELD ROAD IMPROVEMENTS  
PLAINFIELD ROAD - CROSS SECTIONS**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1551	14-00275-05-RS	DUPAGE	58	57
CONTRACT NO. 61C08				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
AREAS CHECKED		
NO.		



9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = mthomas	DESIGNED - MT	REVISED -
PLT SCALE = 1/8"	DRAWN - PN	REVISED -
PLT DATE = 10/21/2015	CHECKED - JS	REVISED -
	DATE - 10/20/15	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET	OF	SHEETS	STA. 140+73.11	TO	STA. 141+61.00
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F.A.U. RTE. 1551	SECTION 14-00275-05-RS	COUNTY DUPAGE	TOTAL SHEETS 58	SHEET NO. 58
CONTRACT NO. 61C08				
[ILLINOIS] FED. AID PROJECT				