

STATE OF ILLINOIS

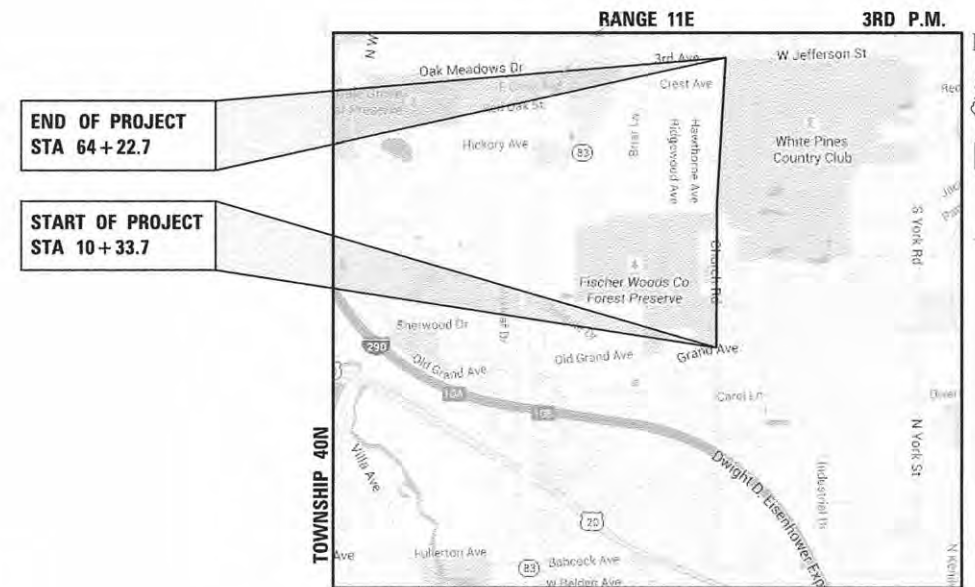
DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU RTE 2667 (CHURCH ROAD)
GRAND AVENUE TO JEFFERSON STREET
BIKE/PED PATH AND RESURFACING
SECTION 13-00089-00-WR
PROJECT NO. M-4003(525)
VILLAGE OF BENSENVILLE
DUPAGE COUNTY
C-91-351-15

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	1
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61C10	



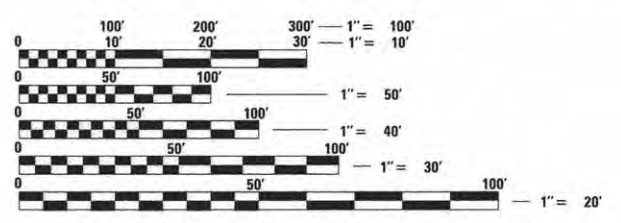
**PROJECT LOCATED IN THE
VILLAGE OF BENSENVILLE**

**END OF PROJECT
STA 64+22.7**

**START OF PROJECT
STA 10+33.7**

LOCATION MAP
NOT TO SCALE

DESIGN DESIGNATION = MAJOR URBAN COLLECTOR
POSTED SPEED = 25 MPH
CHURCH ROAD - 2013 ADT = 4,500 VPD



PROJECT LENGTH:
CHURCH ROAD (STA 10+33.7 TO STA 64+22.7)
PROJECT TOTAL - 5,389.0 FT (1.02 MILE) (GROSS & NET)

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1.800.892.0123 OR 811

CONTRACT NO. 61C10

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS**

Approved: *Joseph M. Caracci*
Joseph Caracci, P.E., Director of Public Works

Passed: *Collette A. [Signature]*
10-21-15
District One Engineer of Local Roads & Streets

Releasing for Bid Based on Limited Review: *October 26 2015*
John Fortson
Deputy Director of Highways, Region One Engineer

APPLIES TO SHEETS 1 - 30, 41 - 76

Reid T. Magner
REGISTERED P.E., STATE OF ILLINOIS EXPIRES 11/30/2015

APPLIES TO SHEETS 31 - 40

Joseph J. Emry
REGISTERED P.E., STATE OF ILLINOIS EXPIRES 11/30/2015



PLANS PREPARED BY: *[Signature]*

CIVILTECH ENGINEERING, INC.
184-000828 LS/PE/SE CORPORATION
450 E. Devon Ave, Suite 300 - Itasca, Illinois 60143
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GENERAL

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE LATEST EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "MANUAL OF TEST PROCEDURES FOR MATERIALS" AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS". ANY REFERENCE TO "STANDARDS" THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST I.D.O.T. STANDARD.
- ALL REFERENCES TO "ENGINEER" SHALL BE INTERPRETED TO MEAN THE RESIDENT ENGINEER.
- THE THICKNESSES OF HMA MIXTURES SHOWN ON THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE COURSE UPON WHICH THE HMA MATERIALS ARE PLACED.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER, THE VILLAGE OF BENSENVILLE (630) 350-3435, DUPAGE COUNTY DIVISION OF TRANSPORTATION (630) 407-6980, UTILITY COMPANIES, SCHOOL DISTRICTS, AND LOCAL POLICE AND FIRE DEPARTMENTS, AND SHALL SUBMIT A TRAFFIC CONTROL AUTHORIZATION REQUEST TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION 72 HOURS PRIOR TO THE COMMENCEMENT OF WORK.
- THE CONTRACTOR SHALL LIMIT ALL DROP-OFFS BETWEEN LANES TO 2" DURING ALL OVERNIGHT PERIODS.
- NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET TO THE SATISFACTION OF THE ENGINEER.
- PROPOSED LINES AND GRADES SHOWN ON THE CONSTRUCTION PLANS REPRESENT FINISHED GRADE ELEVATIONS, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL SAW CUT PAVEMENT AND CURB & GUTTER TO SEPARATE THE EXISTING MATERIAL TO BE REMOVED BY MEANS OF AN APPROVED SAW TO A DEPTH AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE REMOVAL ITEM INVOLVED. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE ITEMS BEING REMOVED, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ALL DIMENSIONS, INCLUDING RADII, ARE GIVEN TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- WHEN DIRECTED BY THE ENGINEER, SUPPLEMENTAL WATERING SHALL BE APPLIED TO ALL SODDED AREAS PRIOR TO FINAL ACCEPTANCE AT A RATE SPECIFIED BY THE ENGINEER AND IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS" AND SPECIAL PROVISIONS. SHOULD THE CONTRACTOR DESIRE TO OBTAIN WATER FOR CONSTRUCTION PURPOSES FROM THE LOCAL AREA, THE CONTRACTOR WILL BE RESPONSIBLE FOR MAKING ARRANGEMENTS THROUGH THE LOCAL AGENCY. THE LOCAL AGENCY WILL INSTRUCT THE CONTRACTOR WHERE A POTABLE WATER SUPPLY FROM A HYDRANT NEAR THE WORK SITE IS LOCATED. THE AGENCY SHALL METER THE POTABLE WATER USED BY THE CONTRACTOR AND THE CONTRACTOR WILL BE CHARGED FOR THE WATER USED AT THE AGENCY RATES. THE CONTRACTOR IS RESPONSIBLE FOR THE TRANSPORTATION OF THE WATER TO THE SITE WHERE NEEDED. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF MOBILIZATION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- TEMPORARY TOILET - THE CONTRACTOR SHALL PROVIDE A TEMPORARY TOILET FACILITY FOR THE USE OF ALL CONTRACTORS' PERSONNEL EMPLOYED ON THE WORK SITE, AND SHALL MAINTAIN SAME IN PROPER SANITARY CONDITION. AT COMPLETION, THE FACILITY SHALL BE REMOVED AND THE PREMISES LEFT CLEAN. THE ENGINEER SHALL APPROVE THE LOCATION OF THE TEMPORARY TOILET. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF MOBILIZATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- WHEN REMOVING CURB AND GUTTER, PAVEMENT OR ANY OTHER STRUCTURE, THE CONTRACTOR SHALL TAKE PRECAUTIONS NECESSARY TO AVOID DAMAGE TO UNDERGROUND PUBLIC OR PRIVATE UTILITIES. UNDER NO CIRCUMSTANCES WILL THE USE OF A FROST BALL CONCRETE BREAKER BE ALLOWED.
- CONCRETE WASHOUT FACILITY SHOULD BE PROVIDED IN THE FIELD BY THE CONTRACTOR AT LOCATION OR LOCATIONS APPROVED BY THE ENGINEER. WASHING CONCRETE AT CURB AND GUTTER IS STRICTLY PROHIBITED. THE COST OF CONCRETE WASHOUT FACILITY SHALL BE INCLUDED IN THE COST OF THE CONCRETE WORK ITEMS INCLUDED IN THE CONTRACT. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE ASSOCIATED CONCRETE ITEMS, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE CONTRACTOR SHALL PAY SPECIAL ATTENTION TO ARTICLE 201.01(a) OF THE STANDARD SPECIFICATIONS. REMOVAL OF ALL OBSTRUCTIONS IN THE RIGHT-OF-WAY, THAT ARE NOT INCLUDED IN A SPECIFIC REMOVAL ITEM, SHALL BE CONSIDERED CLEARING AND INCLUDED IN THE COST OF EARTH EXCAVATION. THIS SHALL INCLUDE, BUT NOT LIMITED TO, FENCES, WALLS, FOUNDATIONS, BUILDINGS, ACCUMULATIONS OF RUBBISH OF WHATEVER NATURE, OLD TYPE III BARRICADES, OLD WATER HEATERS, OLD CMP PIPE, RUBBER TIRES, CONCRETE BLOCKS, UTILITY ANCHORS, METAL PARTS, ABANDONED WOODEN POWER POLES, GATES, AND ALL VEGETATION, TREES, SHRUBS, ETC. LESS THAN 6" IN DIAMETER.
- THE TRANSITION FROM THE PROPOSED CURB AND GUTTER SECTION TO A FLAT OR DEPRESSED SECTION (WHERE THERE IS NO CONNECTION TO EXISTING CURB AND GUTTER) SHALL BE ACCOMPLISHED IN APPROXIMATELY FIVE FEET, AND WILL BE PAID FOR AS "COMBINATION CONCRETE CURB AND GUTTER" OF THE TYPE BEING CONSTRUCTED. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE ASSOCIATED CURB AND GUTTER ITEMS, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

- THE CONTRACTOR SHALL OBTAIN THE DUPAGE COUNTY HIGHWAY PERMIT PRIOR TO START OF CONSTRUCTION AND PROVIDE THE REQUIRED CONTACT INFORMATION, \$2,500.00 BOND, CERTIFICATES OF INSURANCE, AND A COPY OF THE EXECUTED CONTRACT DOCUMENTS. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF MOBILIZATION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE CONTRACTOR SHALL PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION, EXCEPT FOR PERIODS OF SHORT INTERRUPTION. THE CONTRACTOR SHALL NOTIFY THE PROPERTY OWNER NO LESS THAN 24 HOURS IN ADVANCE OF THE SHORT INTERRUPTION OF ACCESS AND/OR SERVICES AND SHALL NOTIFY THE OWNER OF THE TIME AND DURATION OF THE INTERRUPTION. THE COST TO PROVIDE ACCESS SHALL BE PAID FOR AND INCLUDED IN THE ITEMS FOR AGGREGATE FOR TEMPORARY ACCESS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- CURB AND GUTTER JOINTS SHALL BE PLACED AS PER STANDARD 606001 AND IN ADDITION ONE INCH EXPANSION JOINTS SHALL BE PLACED EVERY 150 FT.
- PRIOR TO PLACING HOT-MIX ASPHALT CONCRETE MIX ADJACENT TO EXISTING PAVEMENT TO REMAIN, THE EXPOSED EDGE SHALL BE CLEANED OF LOOSE MATERIAL TO THE SATISFACTION OF THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE HOT-MIX ASPHALT CONCRETE BEING PLACED.
- REMOVAL AND DISPOSAL OF DEBRIS, STONES AND LANDSCAPING ITEMS TO CONSTRUCT CURB AND GUTTER, SIDE ROAD APPROACHES AND PLACING OF TOPSOIL AND SODDING, SHALL BE CONSIDERED INCLUDED IN THE COST OF "EARTH EXCAVATION."
- IF NECESSARY, PAVEMENT PATCHING ADJACENT TO CURB REMOVAL AND REPLACEMENT SHALL INCLUDE THE INSTALLATION OF A FULL DEPTH CONCRETE POUR TO FILL ANY VOID AREAS BETWEEN THE NEW CURB AND FIRST SAW CUT TO REMOVE EXISTING CURB. SHOULD IT BE NECESSARY, A SECOND SAW CUT SHALL BE MADE TO PROVIDE A CLEAN SHARP BUTT JOINT OVER THE ENTIRE LENGTHS OF NEW CURB. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE ASSOCIATED CURB AND GUTTER ITEMS, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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VILLAGE OF BENSENVILLE CONSTRUCTION DETAILS

MAILBOX SUPPORT AND ATTACHMENT DESIGN
FIRE HYDRANT INSTALLATION STANDARD

DATE	BY

DATE	BY

CIVILTECH
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DESIGNED - JRR	REVISED -
DRAWN - TFS	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/12/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS AND LIST OF STATE AND LOCAL STANDARDS

SHEET NO. 1	OF	2 SHEETS	STA.	TO	STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	2
CONTRACT NO. 61C10				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

STORM SEWERS, STRUCTURES, AND UTILITIES

23. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).
24. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES. THE LOCATION OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE ENGINEER DOES NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR WILL BE REQUIRED TO ASCERTAIN THE EXACT LOCATION OF SUCH UTILITIES AND EXERCISE CARE DURING HIS CONSTRUCTION OPERATIONS SO AS NOT TO DAMAGE THEM IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND APPLICABLE ARTICLES INCLUDED IN THE "STANDARD SPECIFICATIONS" INCLUDING, BUT NOT LIMITED TO, ARTICLES 105.07 AND 107.31. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING UTILITIES SO THAT THEIR FACILITIES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF THE CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL RECEIVE NO ADDITIONAL COMPENSATION FOR CONSTRUCTION STAGING NECESSARY TO ACCOMMODATE UTILITY RELOCATION OR ADJUSTMENT AND/OR FOR DELAYS CAUSED BY UTILITY RELOCATION OR ADJUSTMENT.
25. ALL EXISTING FRAMES, GRATES, AND LIDS THAT ARE BEING REPLACED SHALL REMAIN THE PROPERTY OF THE VILLAGE OF BENSENVILLE. THE CONTRACTOR SHALL DELIVER ALL REPLACED FRAMES, GRATES AND LIDS TO THE RESPECTIVE PUBLIC WORKS FACILITY, OR AS DIRECTED BY THE ENGINEER. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE ASSOCIATED FRAME AND GRATE ITEMS, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
26. ONLY PRECAST CONCRETE ADJUSTMENT RINGS, MAXIMUM OF 12" IN HEIGHT, WILL BE ALLOWED IN THE ADJUSTMENT OR RECONSTRUCTION OF CATCH BASIN, MANHOLE, INLET AND VALVE VAULT STRUCTURES, UNLESS INDICATED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE ENGINEER. COMMON BRICK WILL NOT BE ALLOWED. ALL TYPE 8 GRATES ON RESTRICTED DEPTH DRAINAGE STRUCTURES SHALL BE ADJUSTED TO PLAN GRADE WITH 4" MINIMUM CONCRETE ADJUSTMENT RINGS.
27. THE COST OF MAKING STORM SEWER CONNECTIONS TO EXISTING OR PROPOSED SEWER OR DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE STORM SEWER BEING CONNECTED. ALL JOINTS IN CONCRETE SEWER PIPE SHALL BE SEALED WITH RUBBER GASKETS, PREFORMED JOINT SEALANTS, OR EXTERNAL SEALING BANDS. NO MASTIC JOINT SEALER WILL BE ALLOWED. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE ASSOCIATED STORM SEWER ITEMS, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
28. THE CONTRACTOR SHALL MAINTAIN FLOWS THROUGH SEWER SYSTEMS AT ALL TIMES. THE EXISTING STRUCTURES SHALL BE INSPECTED BEFORE CONSTRUCTION STARTS. AS DIRECTED BY THE ENGINEER, ANY ACCUMULATION OF MATERIAL IN THE STRUCTURE DUE TO CONSTRUCTION OPERATIONS SHALL BE REMOVED BY THE CONTRACTOR AT HIS EXPENSE. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF MOBILIZATION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
29. ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED AS PART OF THIS CONTRACT FOR CONSTRUCTION, ADJUSTMENT OR RECONSTRUCTION OF ANY MANHOLES, CATCH BASIN, INLET, VALVE VAULT, OR METER VAULT SHALL HAVE CAST INTO THE LID ONE OF THE FOLLOWING WORDS: ALL LIDS TO BE USED ON STORM SEWER STRUCTURES SHALL BEAR THE WORD "STORM". ALL LIDS TO BE USED ON SANITARY SEWER STRUCTURES SHALL BEAR THE WORD "SANITARY". ALL LIDS TO BE USED ON WATER SYSTEM STRUCTURES SHALL BEAR THE WORD "WATER". ALL OPEN GRATES SHALL INCLUDE THE WORDING "DUMP NO WASTE, DRAINS TO WATERWAYS". THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE STRUCTURE BEING CONSTRUCTED, ADJUSTED OR RECONSTRUCTED. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE ASSOCIATED FRAME AND GRATE ITEMS, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
30. ALL STRUCTURES TO BE ADJUSTED SHOULD HAVE A CHIMNEY SEAL INSTALLED. ALL SANITARY MANHOLES SHALL HAVE EXTERIOR CHIMNEY SEALS AND HAVE NO MORE THAN THREE ADJUSTMENT RINGS FOR A TOTAL OF 12 INCHES. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE STRUCTURE BEING ADJUSTED.

DRIVEWAYS AND ENTRANCES

31. ALL HMA DRIVEWAYS SHALL BE REPLACED WITH HMA AND ALL PCC DRIVEWAYS SHALL BE REPLACED WITH PCC UNLESS OTHERWISE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER.
32. ALL EXCAVATION REQUIRED TO CONSTRUCT NEW DRIVEWAYS SHALL BE PAID FOR AS "DRIVEWAY PAVEMENT REMOVAL".
33. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LAYOUT OF EACH DRIVEWAY BASED UPON STANDARD DETAILS.
34. ALL DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE IDOT DRIVEWAY DETAILS AND STANDARD SPECIFICATIONS FOR DESIGN AND CONSTRUCTION, WITH THE ADDITION OF A 6"x6" NO.6 WIRE MESH AND 4" COMPACTED CA-6 BASE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF PCC DRIVEWAYS.

SIGNING, STRIPING, AND LANDSCAPING

35. THE CONTRACTOR WILL BE REQUIRED TO RELOCATE OR REMOVE AND REPLACE SIGNS WHICH INTERFERE WITH HIS CONSTRUCTION OPERATIONS, AND TO TEMPORARILY RESET ALL SUCH SIGNS DURING CONSTRUCTION OPERATIONS. THIS WORK WILL BE INCLUDED IN THE COST OF THE ASSOCIATED TRAFFIC CONTROL AND PROTECTION ITEMS.
36. ANY SIGNS WHICH ARE DAMAGED BEYOND REPAIR DURING CONSTRUCTION OPERATIONS SHALL BE REPLACED IN KIND BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE CONTRACT.
37. THE CONTRACTOR SHALL ADHERE TO LIMITS OF RESTORATION SHOWN, INCLUDING CONCRETE WASHOUT FACILITIES. AREAS OUTSIDE THESE LIMITS THAT ARE DAMAGED OR DISTURBED BY THE CONTRACTOR, SHALL BE RESTORED BY THE CONTRACTOR AT HIS EXPENSE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
38. PHOSPHORUS FERTILIZER NUTRIENT SHALL NOT BE USED.
39. ALL EXISTING SIGNS SHALL CONFORM TO THE CURRENT EDITION OF "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS & HIGHWAYS." THOSE EXISTING SIGNS THAT DO NOT CONFORM SHALL BE REPLACED AS DIRECTED BY THE ENGINEER, AND SHALL BE PAID FOR AS "SIGN PANEL - TYPE 1".
40. THE CONTRACTOR SHALL PROVIDE AS-BUILT DATA TO DOCUMENT THE FLOOD PLAIN CUT & FILL. THE CONTRACTOR SHALL COORDINATE WITH THE RESIDENT ENGINEER TO COLLECT DATA AND DOCUMENT WITH PLANS AND CROSS-SECTIONS THE RELATED FLOODPLAIN IMPACTS (FILL) TO DUPAGE COUNTY STORMWATER MANAGEMENT. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF MOBILIZATION.

SURVEY

41. VERTICAL CONTROL REFERENCED TO NAVD 88.

BENCHMARK TABLE						
BM#	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
BM#1	1917392	1086722	699.09	DuPage Reference - Survey disk located in concrete traffic light base at northerly corner of the intersection of Grand Avenue and Oaklawn	-	-
BM#2	1917804	1091335	693.77	DuPage Reference - Survey disk located in concrete traffic light base at southwest corner of the intersection of Grand Avenue and York Road	-	-
SBM#1	1918007.408	1087596.087	695.51	Southwest arrow bolt on fire hydrant 20 feet south of north entrance of Roesch Ford on east side of Church Road	14+28.47	18.29 R
SBM#2	1919181.533	1087584.196	696.15	Arrow bolt on 4th fire hydrant north of Grand Avenue on east side of Church Road	26+02.93	18.72 R
SBM#3	1920249.317	1087585.917	693.72	Northwest bolt on fire hydrant near 785 Church Road	36+72.05	18.57 R
SBM#4	1921298.763	1087643.873	688.73	Northeast bolt on 10th fire hydrant north of Grand Avenue on east side of Church Road	47+23.09	15.78 R
SBM#5	19222828	1087723	681.41	Southeast arrow bolt on 14th fire hydrant north of Grand Avenue on east side of Church Road	60+54	17 R

42. BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM NAD83 (2011) EAST ZONE. GRID COORDINATES ARE SHOWN.

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BENSENVILLE SCHOOL DISTRICT #2
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VILLAGE OF BENSENVILLE
 POLICE DEPARTMENT
 100 N. CHURCH ROAD
 BENSENVILLE, IL 60106
 (630) 350-3455

VILLAGE OF BENSENVILLE
 FIRE DEPARTMENT
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 BENSENVILLE, IL 60106
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 (918) 574-7000

XO ILLINOIS, INC.
 RANDY WOOD
 810 JORIE BLVD, STE. 200
 OAK BROOK, IL 60523
 randy.wood@xo.com
 (630) 371-3159

COMCAST
 TED WYMAN
 RIGHT-OF-WAY ENGINEER
 688 INDUSTRIAL DRIVE
 ELMHURST, IL 60126
 ted.wyman@cable.comcast.com
 (630) 600-6349

AT&T CORPORATION
 KATE PETERS
 JANET AHERN
 1000 COMMERCE DRIVE, FLOOR 2
 OAK BROOK, IL 60523
 kp1296@att.com
 jal1763@att.com
 (630)573-5759

VERIZON
 JOHN BACHELDER
 OSP NATIONAL SUPPORT/
 INVESTIGATIONS
 2400 NORTH GLENVILLE
 RICHARDSON, TX 75082
 (972) 729-6322

DATE	BY	SURVEYED	ALIGNED	CHECKED	NO. OF WAY CHECKED	ROAD FILE NAME
PLAN	NO.	NOTE BOOK				

DATE	BY	PROFILE	GRADES	CHECKED	BY	NOTED	BY	STRUCTURE	DATE	CHG
PROFILE	NO.	NOTE BOOK								



DESIGNED - JRR	REVISED -
DRAWN - TFS	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/12/2015	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	3
CONTRACT NO. 61C10				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODED PAY ITEM NO.	PAY ITEM	UNIT	TOTAL QUANTITY	0005 ROADWAY	0028 BIKEPATH
				75 / 25	80 / 20
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	152		152
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	740		740
20101200	TREE ROOT PRUNING	EACH	22		22
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	4		4
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	18		18
20200100	EARTH EXCAVATION	CU YD	300		300
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	25		25
20400800	FURNISHED EXCAVATION	CU YD	2,160		2,160
20800150	TRENCH BACKFILL	CU YD	57		57
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	2,317		2,317
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	11,195.00		11,195.00
25000100	SEEDING, CLASS 1	ACRE	1.25		1.25
25000310	SEEDING, CLASS 4	ACRE	0		0
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	135		135
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	135		135
25100630	EROSION CONTROL BLANKET	SQ YD	6,746		6,746
25200110	SODDING, SALT TOLERANT	SQ YD	2,254		2,254
25200200	SUPPLEMENTAL WATERING	UNIT	10		10
28000200	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	290		290
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	150		150
28000305	TEMPORARY DITCH CHECKS	FOOT	70		70
28000400	PERIMETER EROSION BARRIER	FOOT	4,092		4,092
28000500	INLET AND PIPE PROTECTION	EACH	6		6
28000510	INLET FILTERS	EACH	5		5
28100101	STONE RIPRAP, CLASS A1	SQ YD	183		183
28100107	STONE RIPRAP, CLASS A4	SQ YD	183		183
28200200	FILTER FABRIC	SQ YD	275		275
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	25		25
35101800	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	153		153
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	5,116		5,116
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	551		551
35800200	AGGREGATE BASE REPAIR	TON	99	99	
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	49	49	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	12,750		12,750
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	9,905	9,905	

CODED PAY ITEM NO.	PAY ITEM	UNIT	TOTAL QUANTITY	0005 ROADWAY	0028 BIKEPATH
				75 / 25	80 / 20
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	8	8	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	320	320	
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	2,060	2,060	
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	1,872	1,232	640
42001300	PROTECTIVE COAT	SQ YD	215	154	61
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1,380		1,380
42400800	DETECTABLE WARNINGS	SQ FT	167		167
44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	14,733	14,733	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1,352		1,352
44000600	SIDEWALK REMOVAL	SQ FT	99		99
44201737	CLASS D PATCHES, TYPE I, 8 INCH	SQ YD	369	369	
44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	369	369	
44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	369	369	
44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	369	369	
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	1,798	1,798	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1
50104400	CONCRETE HEADWALL REMOVAL	EACH	2		2
50105220	PIPE CULVERT REMOVAL	FOOT	62	62	
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	1		1
54010504	PRECAST CONCRETE BOX CULVERTS 5' X 4'	FOOT	4		4
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	1		1
54214743	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 48"	EACH	2	2	
542A5503	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 48"	FOOT	11		11
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	63		63
550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	FOOT	7		7
55100500	STORM SEWER REMOVAL 12"	FOOT	28		28
55101600	STORM SEWER REMOVAL 36"	FOOT	36		36
55101900	STORM SEWER REMOVAL 48"	FOOT	50		50
56400100	FIRE HYDRANTS TO BE MOVED	EACH	11		11
56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	2		2
56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	5		5
60108200	PIPE UNDERDRAINS 6" (SPECIAL)	FOOT	2,093		2,093
60221000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1		1
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	1	1	

^ DENOTES SPECIALTY ITEM
 ^^ DENOTES CONSTRUCTION TYPE CODE 0042
 * DENOTES SPECIAL PROVISION

PLAN SURVEYED BY DATE
 CHECKED BY
 NOTE BOOK NO.
 ALIGNED BY
 CHECKED BY
 DATE

PROFILE SURVEYED BY DATE
 CHECKED BY
 NOTE BOOK NO.
 STRUCTURE NOTATION: (S)


 450 E Devon Ave, Suite 300
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

DESIGNED - JRR
 DRAWN - TFS
 CHECKED - RTM
 DATE - 10/12/2015
 REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SHEET NO. 1 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	4
CONTRACT NO. 61C10				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

SUMMARY OF QUANTITIES

PLAN SURVEYED BY DATE
 NOTE BOOK NO. CHECKED BY
 ALIGNED CHECKED BY
 RT. OF WAY CHECKED BY
 ROAD FILE NAME

PROFILE SURVEYED BY DATE
 NOTE BOOK NO. CHECKED BY
 B.M. NOTED BY
 STRUCTURE NOTATIONS CHECKED BY

CODED PAY ITEM NO.	PAY ITEM	UNIT	TOTAL QUANTITY	0005 ROADWAY	0028 BIKEPATH
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	1	75 / 25	80 / 20
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	27	27	
67100100	MOBILIZATION	L SUM	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	1	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1	1	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	3	3	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	163	163	
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	37	37	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	758	758	
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	233	233	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	28	28	
72000100	SIGN PANEL - TYPE 1	SQ FT	45		45
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	4		4
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	11		11
72900100	METAL POST - TYPE A	FOOT	78		78
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	37	37	
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1,995	1,995	
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	779	779	
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	614	614	
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	88	88	
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	23	23	
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	41	41	
81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	19	19	
81400200	HEAVY-DUTY HANDHOLE	EACH	1	1	
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1	
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	626	626	
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	642	642	
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	186	186	
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	29	29	
87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2	2	
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	8	8	
87900200	DRILL EXISTING HANDHOLE	EACH	3	3	
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4	4	
88800100	DETECTOR LOOP, TYPE I	FOOT	289	289	

CODED PAY ITEM NO.	PAY ITEM	UNIT	TOTAL QUANTITY	0005 ROADWAY	0028 BIKEPATH
88800100	PEDESTRIAN PUSH-BUTTON	EACH	4	75 / 25	80 / 20
89502200	MODIFY EXISTING CONTROLLER	EACH	1	1	
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	276	276	
X0426200	DEWATERING	L SUM	1		1
X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	50	50	
X4400220	CURB REMOVAL AND REPLACEMENT	FOOT	298		298
X6024240	INLETS, SPECIAL	EACH	13		13
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	28	28	
X6840200	TEMPORARY CHAIN LINK FENCE	FOOT	38		38
X6840304	CHAIN LINK FENCE TO BE REMOVED AND RE-ERECTED	FOOT	2,142		2,142
X6700405	ENGINEER'S FIELD OFFICE, TYPE A (MODIFIED)	CAL MO	6		6
X8440116	RELOCATE EXISTING LIGHTING UNIT, SPECIAL	EACH	3		3
XX000503	SPLIT RAIL FENCE	FOOT	372		372
XX003668	PRECONSTRUCTION VIDEO TAPING	L SUM	1		1
XX006571	REMOVE AND REPLACE BOLLARDS	EACH	14		14
XX006653	FENCE (SPECIAL)	FOOT	2,130		2,130
XX006658	FLOCCULATION LOGS	EACH	10		10
XX006659	FLOCCULATION POWDER	POUND	1		1
XX006698	TREE PROTECTION AND PRESERVATION	EACH	25		25
Z0013798	CONSTRUCTION LAYOUT	L SUM	1		1
Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	17		17
Z0017700	DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED	EACH	5		5
Z0022800	FENCE REMOVAL	FOOT	454		454
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	389	389	
Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1	1	
Z0055905	TEMPORARY CONSTRUCTION FENCE	FOOT	370		370
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	67	67	
Z0056622	STORM SEWER (WATER MAIN REQUIREMENTS) 36 INCH	FOOT	14	14	
Z0056841	STORM SEWER (WATER MAIN REQUIREMENTS) EQUIVALENT ROUND-SIZE 48 INCH	FOOT	39	39	
Z0076600	TRAINEES	HOUR	500	500	
Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500	

A DENOTES SPECIALTY ITEM
 AA DENOTES CONSTRUCTION TYPE CODE 0042
 * DENOTES SPECIAL PROVISION



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

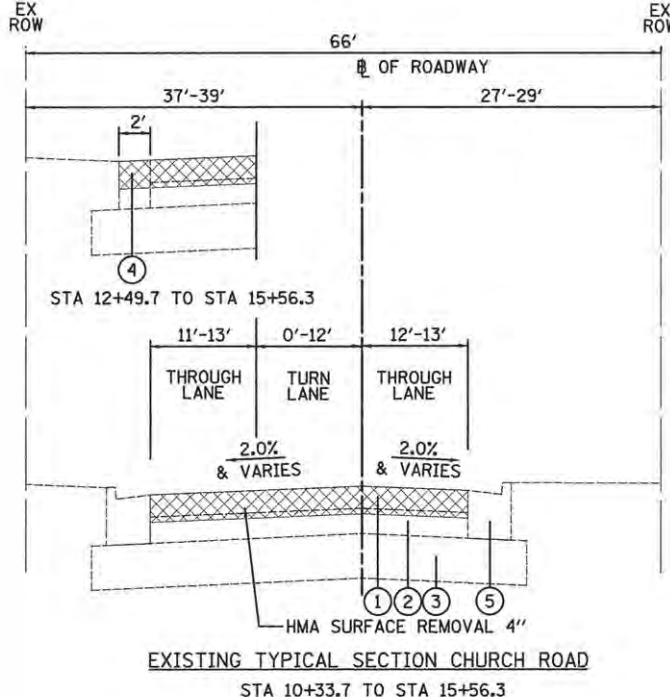
SUMMARY OF QUANTITIES

SHEET NO. 2 OF 2 SHEETS

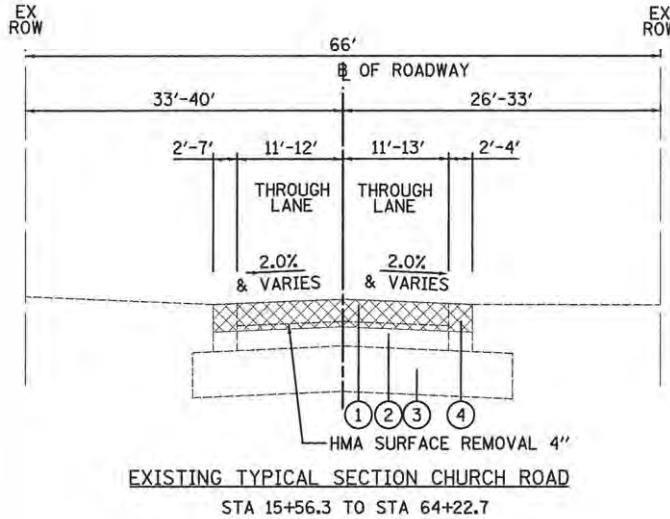
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR		76	5
CONTRACT NO. 61C10				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
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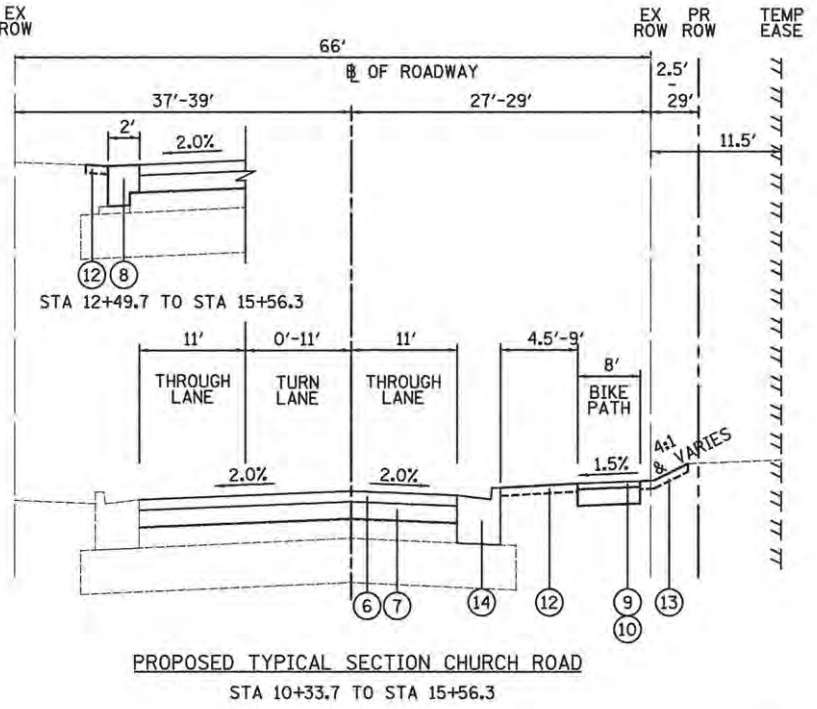
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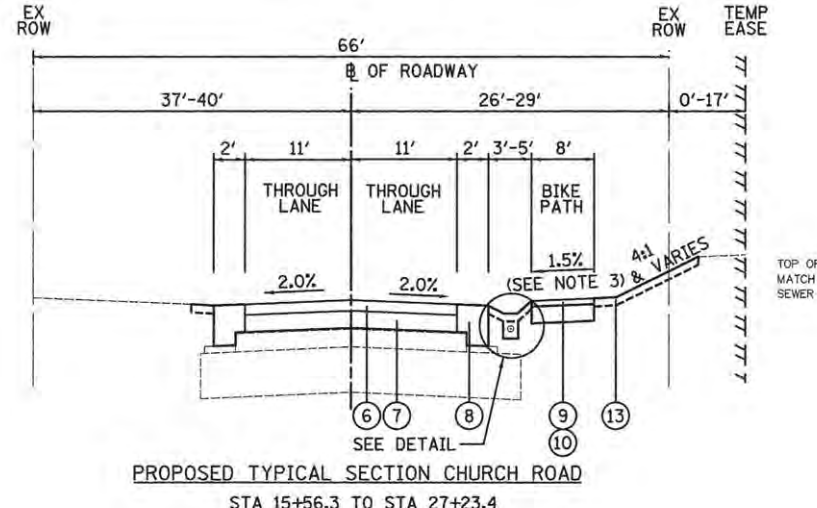
EXISTING TYPICAL SECTION CHURCH ROAD
STA 10+33.7 TO STA 15+56.3



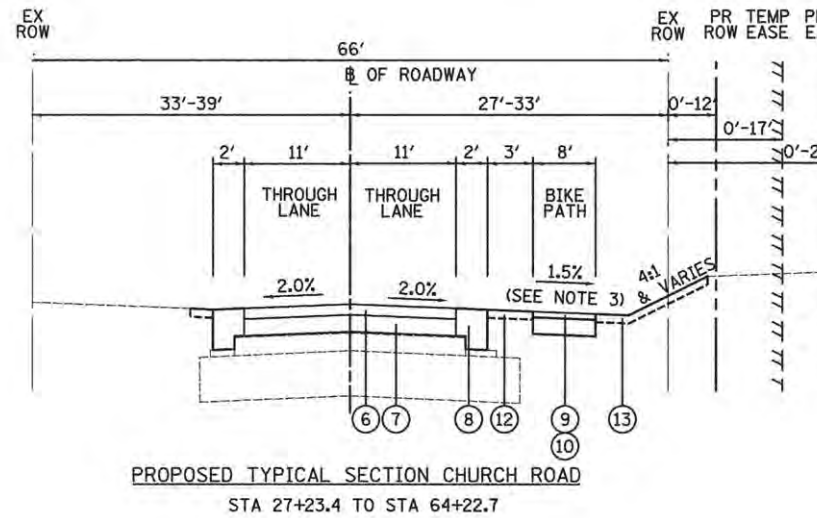
EXISTING TYPICAL SECTION CHURCH ROAD
STA 15+56.3 TO STA 64+22.7



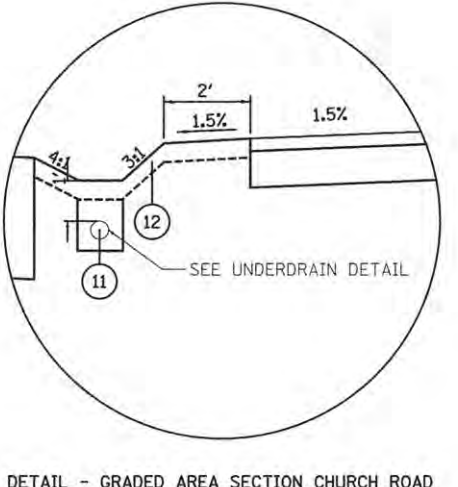
PROPOSED TYPICAL SECTION CHURCH ROAD
STA 10+33.7 TO STA 15+56.3



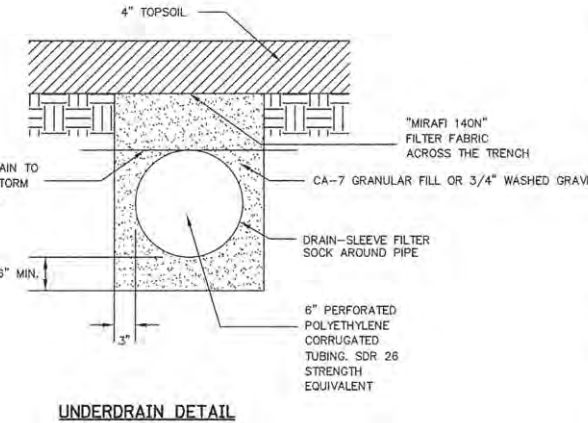
PROPOSED TYPICAL SECTION CHURCH ROAD
STA 15+56.3 TO STA 27+23.4



PROPOSED TYPICAL SECTION CHURCH ROAD
STA 27+23.4 TO STA 64+22.7



DETAIL - GRADED AREA SECTION CHURCH ROAD
STA 16+00.0 TO STA 17+20.0
STA 23+00.0 TO STA 24+50.0



UNDERDRAIN DETAIL

LEGEND

- 1 EXISTING BITUMINOUS CONCRETE SURFACE COURSE, 1.5" TO 5.25" (REFERENCE ROADWAY SOIL INVESTIGATION REPORT PREPARED BY: MIDLAND STANDARD ENGINEERING AND TESTING, INC., DATED JANUARY 27, 2014)
- 2 EXISTING BITUMINOUS CONCRETE BINDER COURSE, 2" TO 6" (REFERENCE ROADWAY SOIL INVESTIGATION REPORTS PREPARED BY: MIDLAND STANDARD ENGINEERING AND TESTING, INC., DATED JANUARY 27, 2014)
- 3 EXISTING GRANULAR BASE COURSE, 6" TO 9.5" (REFERENCE ROADWAY SOIL INVESTIGATION REPORTS PREPARED BY: MIDLAND STANDARD ENGINEERING AND TESTING, INC., DATED JANUARY 27, 2014)
- 4 EXISTING AGGREGATE SHOULDER
- 5 EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 & B6.18
- 6 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1-1/2"
- 7 PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2-1/2"
- 8 PROPOSED AGGREGATE SHOULDER, TYPE B, 6"
- 9 PROPOSED HOT-MIX ASPHALT SURFACE, MIX "D", N50, 2"
- 10 PROPOSED AGGREGATE BASE COURSE, TYPE B, 6"
- 11 PROPOSED PIPE UNDERDRAIN, 6" (SPECIAL) (AGGREGATE AND FABRIC FOR THE TRENCH WITHIN THE DITCH SECTION USED FOR UNDERDRAINS WILL NOT BE MEASURED SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF "PIPE UNDERDRAINS, 6" (SPECIAL)")
- 12 PROPOSED SODDING, SALT TOLERANT
PROPOSED TOPSOIL FURNISH AND PLACE, 4"
- 13 PROPOSED SEEDING, CLASS 1
PROPOSED TOPSOIL FURNISH AND PLACE, 4"
- 14 PROPOSED COMBINATION CONCRETE CURB AND GUTER, TYPE B-6.18 (SEE NOTE 1)

NOTES:

- 1. COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT LIMITS WILL BE DETERMINED BY THE FIELD ENGINEER. ALL CURB AND GUTTER TO BE REMOVED WILL BE REPLACED IN KIND (REGARDLESS OF TYPE) AND PAID FOR AT THE SAME UNIT BID PRICE FOR "CURB REMOVAL AND REPLACEMENT". (SEE PLANS FOR SPOT REPAIRS).
- 2. CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.
- 3. BIKE PATH CROSS SLOPE REVERSES BETWEEN STATIONS 25+00.0 AND 26+00.0.
- 4. IF NECESSARY AND AT THE DIRECTION OF THE ENGINEER, AN IMPERMEABLE BARRIER AROUND THE PERIMETER OF THE UNDERDRAIN TRENCH SHALL BE INSTALLED. THIS WORK WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.
- 5. THE ROADWAY SOIL INVESTIGATION REPORT DATED JANUARY 27, 2014, IS AVAILABLE FROM THE VILLAGE OF BENSENVILLE REPRESENTATIVE.

LEGEND:

REMOVAL

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
PAVEMENT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 1-1/2" (IN 1 LIFT)	4% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 2-1/2" (IN 1 LIFT)	4% @ 50 Gyr.
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19.0 mm); 8" (IN 2 LIFTS)	4% @ 70 Gyr.
DRIVEWAY	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5 mm); 2" (IN 1 LIFT)	4% @ 50 Gyr.
BIKEPATH	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5 mm); 2" (IN 1 LIFT)	4% @ 50 Gyr.

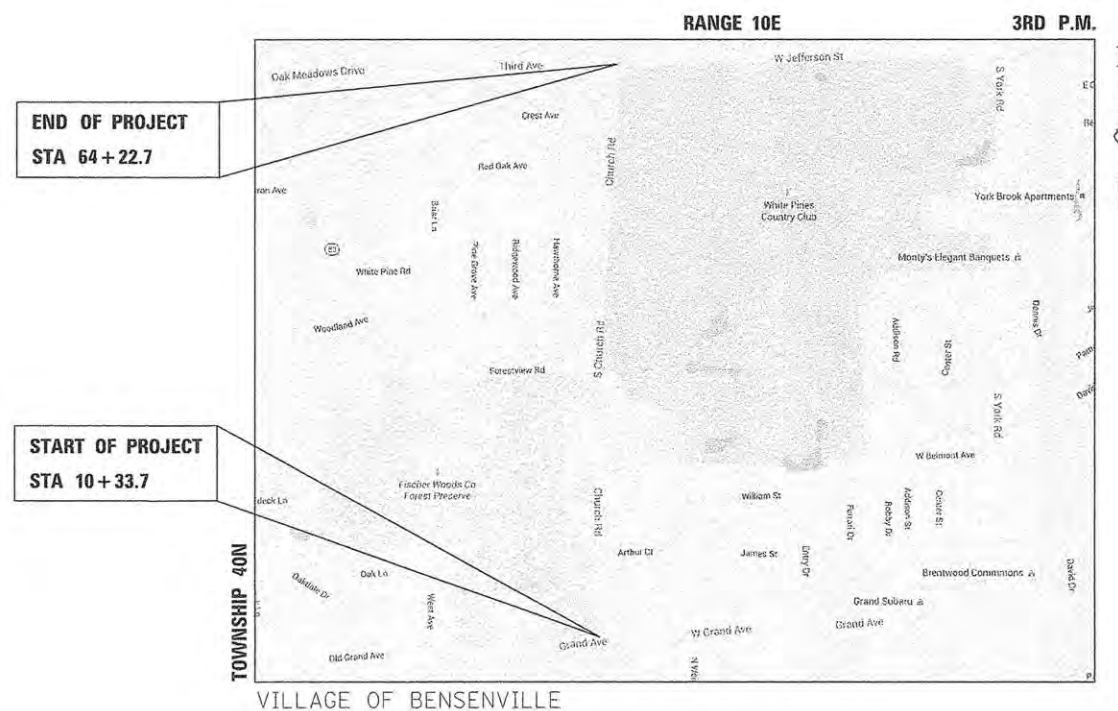
THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAT OF HIGHWAYS
FAU ROUTE 2667 (CHURCH ROAD)
GRAND AVENUE TO JEFFERSON STREET
SECTION 13-00089-00-WR
PROJECT NO. M-4003(525)
VILLAGE OF BENSENVILLE
DUPAGE COUNTY
R-55-001-97

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DU PAGE	8	7
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO.	

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
0001 0001TE	GRAND AND CHURCH, INC.	2	
0002 0002TE	JAMES M. FISCHER AND LINDA L. FISCHER, HIS WIFE, IN JOINT TENANCY	3	
0003TE	IMMANUEL UNITED CHURCH OF CHRIST	3	
0004TE	ZION EVANGELICAL LUTHERAN U.A.C. OF BENSENVILLE, DUPAGE COUNTY, ILLINOIS A/K/A REFORMED LUTHERAN CHURCH OF ADDISON	4	
0005 0005PE-A 0005PE-B 0005PE-C 0005TE-A 0005TE-B 0005TE-C	BENSENVILLE PARK DISTRICT	4-8	
0006 0006TE-A 0006TE-B	A LIFE ESTATE IN KENNETH R. CARON, REMAINDER INTEREST IN THE VILLAGE OF BENSENVILLE	5	
0007 0007TE	BENSENVILLE PARK DISTRICT	5	



LOCATION MAP
NOT TO SCALE

CHURCH ROAD (STA 10+33.7 TO STA 64+22.7)
GROSS & NET LENGTH = 5,389.0 FT. = 1.0 MILE

PLANS PREPARED BY:
COMPASS SURVEYING LTD 2631 Ginger Woods Parkway,
 Suite 100 Aurora IL 60502
 PHONE: (630)820-9100
 FAX: (630)820-7030

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED _____ 20 _____

 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

 20 _____

 ENGINEER OF DESIGN AND ENVIRONMENT

 20 _____

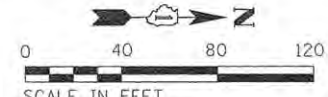
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

PART OF NORTHWEST QUARTER SECTION 26, T40N, R11E, OF THE 3RD PM, DUPAGE COUNTY, ILLINOIS

COORDINATE TABLE		
500	N: 1917702.04	E: 1087612.64
501	N: 1917715.25	E: 1087610.70
502	N: 1918134.94	E: 1087606.21
503	N: 1918134.86	E: 1087603.71

PARCEL NO.	TOTAL HOLDING ACRES	PART TAKING ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PERMANENT INDEX NUMBER
					ACRES	SQUARE FEET	
0001	9.313	0.025	N/A	9.288	N/A	N/A	03-26-102-034
0001TE		N/A	N/A		0.139	N/A	



NOTES:
 • ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
 • BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
 • ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999995.
 • AREAS SHOWN ON THIS PLAT ARE "GROUND".

LEGEND

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PLATTED LOT LINES (HIDDEN)
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED PERMANENT EASEMENT
- PROPOSED TEMPORARY EASEMENT
- EXISTING ACCESS CONTROL LINE (AC)
- PROPOSED ACCESS CONTROL LINE (AC)
- MEASURED DIMENSION (129.32')
- RECORDED DIMENSION (129.32')
- EXISTING BUILDING

BEARINGS AND DISTANCES ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

- IRON PIPE OR ROD FOUND
- "MAG" NAIL FOUND
- CUT CROSS FOUND OR SET
- 5/8 REBAR SET

■ STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
) S.S.
 COUNTY OF KANE)

THIS IS TO CERTIFY THAT I, SCOTT KREBS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 23 AND 26, TOWNSHIP 40 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE COUNTY, ILLINOIS, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

COMPASS SURVEYING LTD.
 PROFESSIONAL DESIGN FIRM
 LAND SURVEYOR CORPORATION NO. 184-002778
 LICENSE EXPIRES APRIL 30, 2017

[Signature]
 SCOTT C. KREBS
 35-3508
 AURORA, ILLINOIS
 LAND SURVEYOR NO. 3509
 DATE: 8-10-15
 LICENSE EXPIRES NOVEMBER 30, 2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

COMPASS SURVEYING LTD. 2631 Ginger Woods Parkway, Suite 100 Aurora IL 60502
 PHONE: (630)820-9100
 FAX: (630)820-7030

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. ROUTE 2667 (CHURCH ROAD)
 LIMITS: W. GRAND AVE TO JEFFERSON STREET
 COUNTY: DUPAGE
 SECTION: 13-00089-00-WR JOB NO.: R-55-001-97
 STATION 10+00 TO STATION 18+00
 SCALE: 1"=40' SHEET 2 OF 8

REVISIONS
 PER ENGINEER'S COMMENTS 9-21-15
IDOT USE ONLY

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196

PART OF 11
 PIN: 03-26-105-018

PART OF 3
 PIN: 03-26-106-012

PROP. CURVE PR.CH.RD1
 PI STA. = 14+75.35
 Δ = 1° 45' 50" (LT)
 D = 11° 27' 33"
 R = 500.00'
 L = 7.70'
 T = 15.39'
 E = 0.06'
 e = ---
 T.R. = ---
 S.E. RUN = ---
 P.C. STA. = 14+67.66
 P.T. STA. = 14+83.05

PROP. CURVE PR.CH.RD2
 PI STA. = 15+19.50
 Δ = 2° 01' 17" (RT)
 D = 11° 27' 33"
 R = 500.00'
 L = 8.82'
 T = 17.64'
 E = 0.08'
 e = ---
 T.R. = ---
 S.E. RUN = ---
 P.C. STA. = 15+10.68
 P.T. STA. = 15+28.32

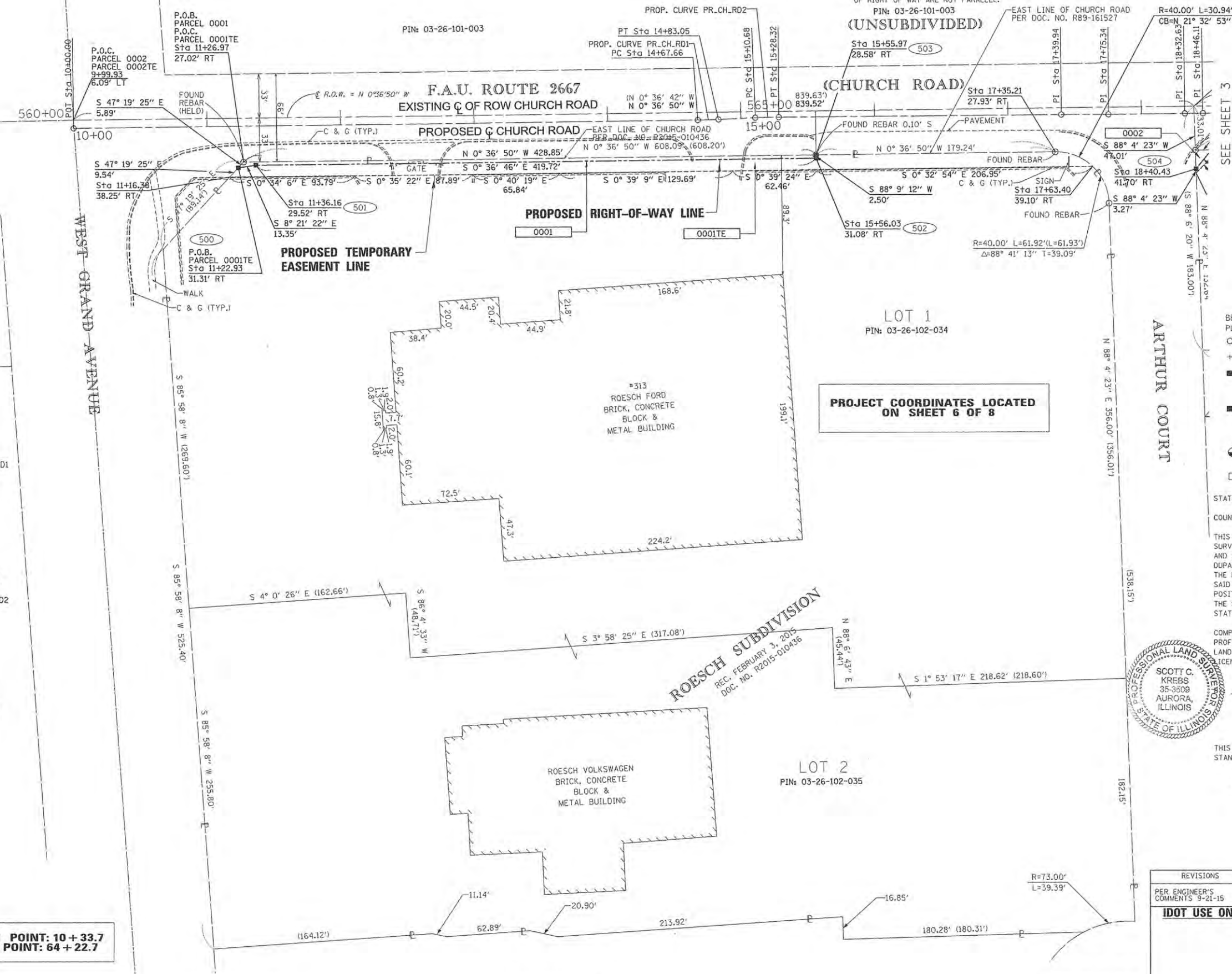
PROJECT BEGIN POINT: 10+33.7
 PROJECT END POINT: 64+22.7

CALCULATIONS BY: A. ECK

DRAFTING BY: B. TRAVER

CHECKED BY: S. KREBS

COMPASS JOB NO. 15.0113

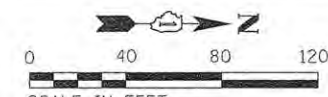


PROJECT COORDINATES LOCATED ON SHEET 6 OF 8

ROESCH SUBDIVISION
 REC. FEBRUARY 3, 2015
 DOC. NO. R2015-010436



PART OF NORTHWEST QUARTER SECTION 26, T40N, R11E, OF THE 3RD PM, DUPAGE COUNTY, ILLINOIS



NOTES:
 • ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
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 • ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.99995957.
 • AREAS SHOWN ON THIS PLAT ARE "GROUND".

LEGEND

- SECTION CORNER
- QUARTER CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PLATTED LOT LINES (HIDDEN)
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED PERMANENT EASEMENT
- PROPOSED TEMPORARY EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION (129.32')
- RECORDED DIMENSION (129.32')
- EXISTING BUILDING

- BEARINGS AND DISTANCES ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.
- IRON PIPE OR ROD FOUND
 - ⊕ "MAG" NAIL SET
 - + CUT CROSS FOUND OR SET
 - ⊙ 5/8" REBAR SET
 - STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
 - RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
) S.S.
 COUNTY OF KANE)

THIS IS TO CERTIFY THAT I, SCOTT KREBS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 23 AND 26, TOWNSHIP 40 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE COUNTY, ILLINOIS, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

COMPASS SURVEYING LTD.
 PROFESSIONAL DESIGN FIRM
 LAND SURVEYOR CORPORATION NO. 184-002778
 LICENSE EXPIRES APRIL 30, 2017

DATE: 8-10-15

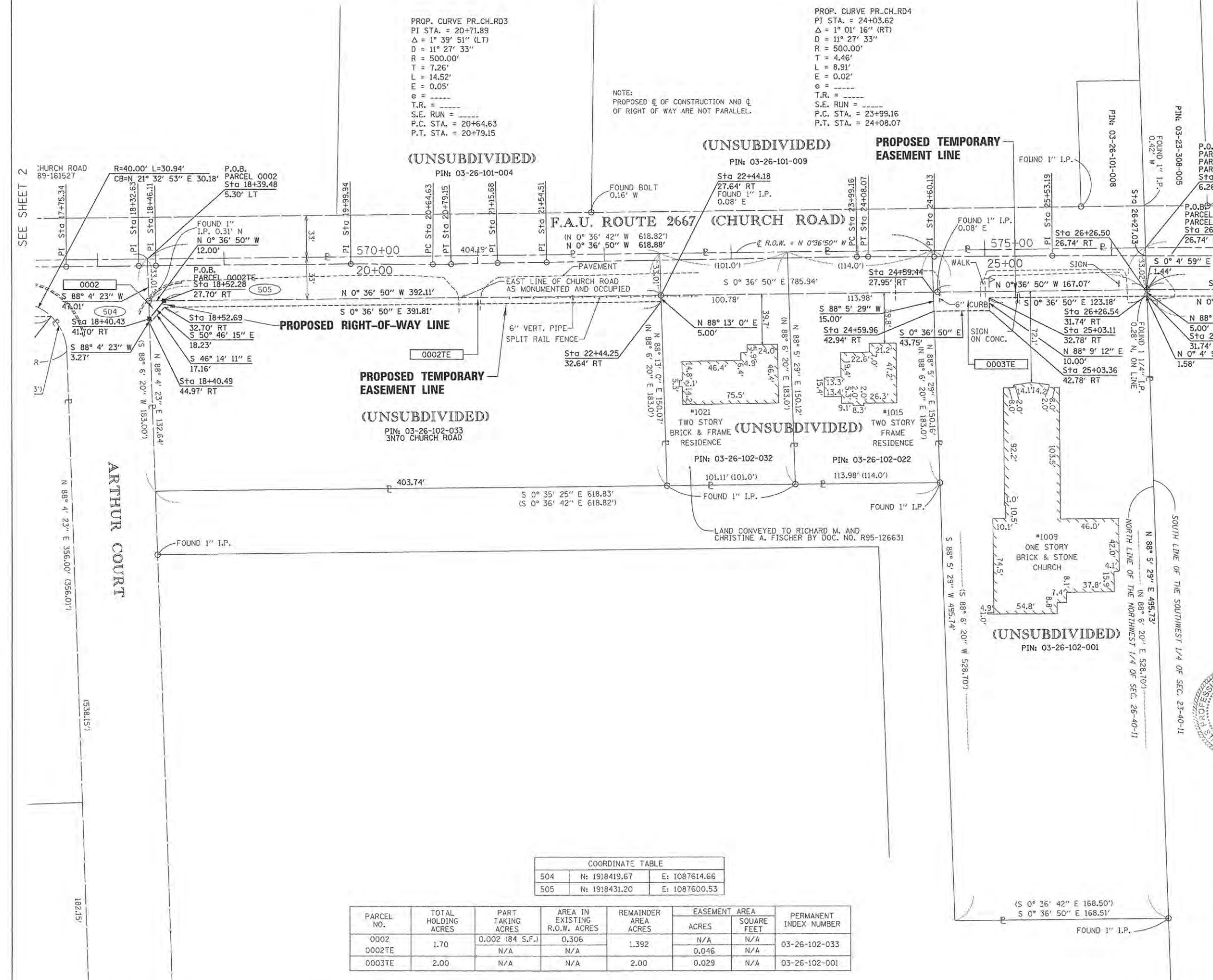
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3509

LICENSE EXPIRES NOVEMBER 30, 2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

COMPASS SURVEYING LTD.
 2631 Ginger Woods Parkway,
 Suite 100 Aurora IL 60502
 PHONE: (630)820-9100
 FAX: (630)820-7030

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. ROUTE 2667 (CHURCH ROAD)
 LIMITS: W. GRAND AVE TO JEFFERSON STREET
 COUNTY: DUPAGE
 SECTION: 13-00089-00-WR JOB NO.: R-55-001-97
 STATION 18+00 TO STATION 26+27.03
 SCALE: 1"=40' SHEET 3 OF 8



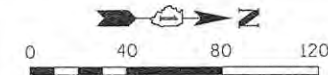
SEE SHEET 2

SEE SHEET 4

COORDINATE TABLE			
504	N: 1918419.67	E: 1087614.66	
505	N: 1918431.20	E: 1087600.53	

PARCEL NO.	TOTAL HOLDING ACRES	PART TAKING ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PERMANENT INDEX NUMBER
					ACRES	SQUARE FEET	
0002	1.70	0.002 (84 S.F.)	0.306	1.392	N/A	N/A	03-26-102-033
0002TE		N/A	N/A		0.046	N/A	
0003TE	2.00	N/A	N/A	2.00	0.029	N/A	03-26-102-001

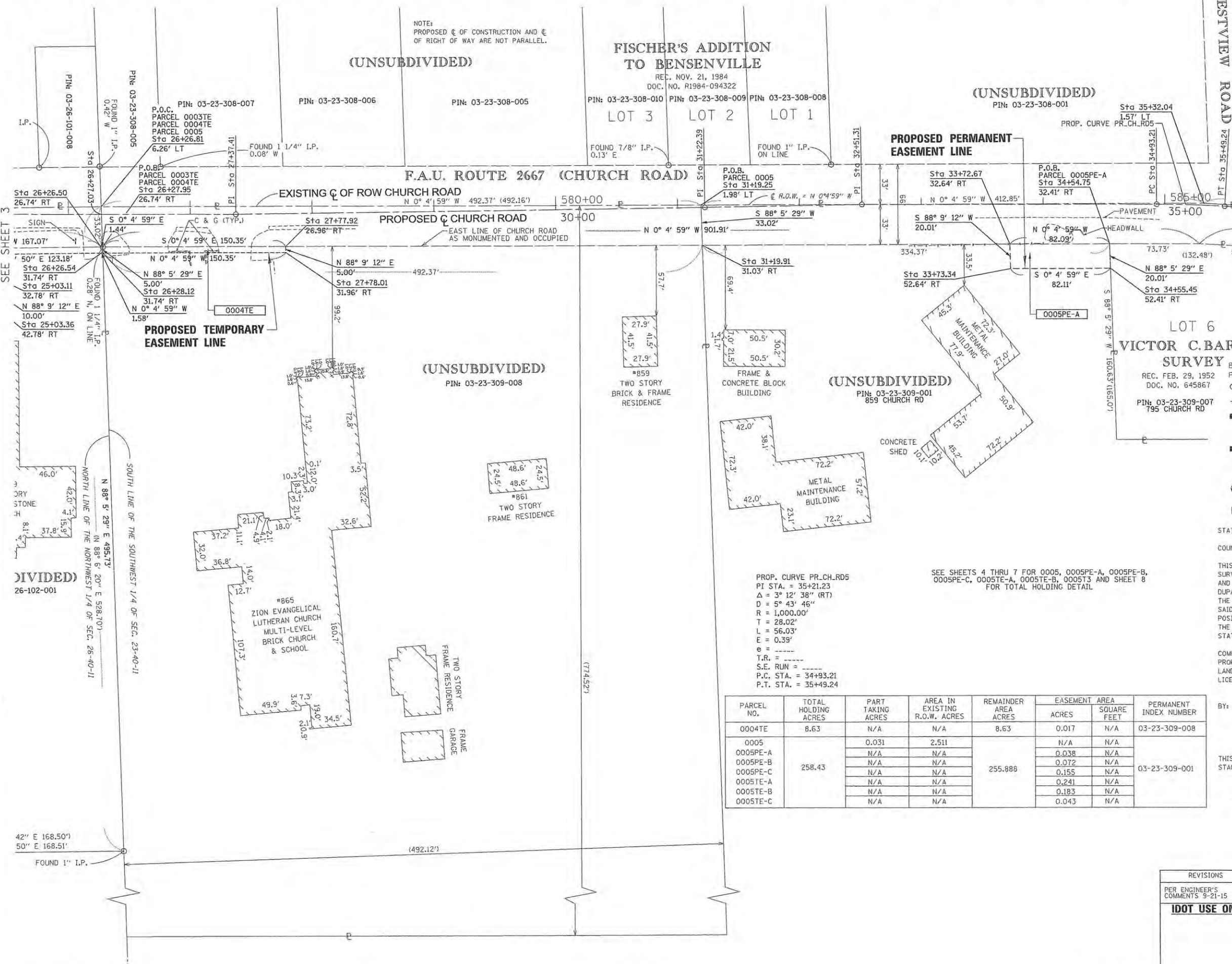
PART OF THE WEST HALF OF SECTION 23, T40N, R11E, OF THE 3RD PM, DUPAGE COUNTY, ILLINOIS



NOTES:
 • ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
 • BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
 • ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.999995.
 • AREAS SHOWN ON THIS PLAT ARE "GROUND".

LEGEND

- SECTION CORNER
- QUARTER CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PLATTED LOT LINES (HIDDEN)
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED PERMANENT EASEMENT
- PROPOSED TEMPORARY EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING



BEARINGS AND DISTANCES ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

IRON PIPE OR ROD FOUND "MAG" NAIL SET
 CUT CROSS FOUND OR SET 5/8" REBAR SET

STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
 RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
) S.S.
 COUNTY OF KANE)

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COMPASS SURVEYING LTD.
 PROFESSIONAL DESIGN FIRM
 LAND SURVEYOR CORPORATION NO. 184-002778
 LICENSE EXPIRES APRIL 30, 2017

By: *SCOTT G. KREBS* DATE: 8-21-15
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3509
 LICENSE EXPIRES NOVEMBER 30, 2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

COMPASS SURVEYING LTD
 2631 Ginger Woods Parkway,
 Suite 100 Aurora IL 60502
 PHONE: (630)820-9100
 FAX: (630)820-7030

PROP. CURVE PR.CH.RD5
 PI STA. = 35+21.23
 Δ = 3° 12' 38" (RT)
 D = 5° 43' 46"
 R = 1,000.00'
 T = 28.02'
 L = 56.03'
 E = 0.39'
 e = ----
 T.R. = ----
 S.E. RUN = ----
 P.C. STA. = 34+93.21
 P.T. STA. = 35+49.24

SEE SHEETS 4 THRU 7 FOR 0005, 0005PE-A, 0005PE-B, 0005PE-C, 0005TE-A, 0005TE-B, 0005TE-C AND SHEET 8 FOR TOTAL HOLDING DETAIL

PARCEL NO.	TOTAL HOLDING ACRES	PART TAKING ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PERMANENT INDEX NUMBER
					ACRES	SQUARE FEET	
0004TE	8.63	N/A	N/A	8.63	0.017	N/A	03-23-309-008
0005	258.43	0.031	2.511	255.888	N/A	N/A	03-23-309-001
0005PE-A		N/A	N/A		0.038	N/A	
0005PE-B		N/A	N/A		0.072	N/A	
0005PE-C		N/A	N/A		0.155	N/A	
0005TE-A		N/A	N/A		0.241	N/A	
0005TE-B		N/A	N/A		0.183	N/A	
0005TE-C		N/A	N/A		0.043	N/A	

REVISIONS
 PER ENGINEER'S COMMENTS 9-21-15
IDOT USE ONLY

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. ROUTE 2667 (CHURCH ROAD)
 LIMITS: W. GRAND AVE TO JEFFERSON STREET
 COUNTY: DUPAGE
 SECTION: 13-00089-00-WR JOB NO.: R-55-001-97
 STATION 26+27.03 TO STATION 35+00
 SCALE: 1"=40' SHEET 4 OF 8

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

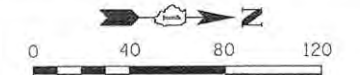
CALCULATIONS BY: A. ECK

DRAFTING BY: B. TRAYER

CHECKED BY: S. KREBS

COMPASS JOB. NO. 15.0113

PART OF THE WEST HALF OF SECTION 23, T40N, R11E, OF THE 3RD PM, DUPAGE COUNTY, ILLINOIS



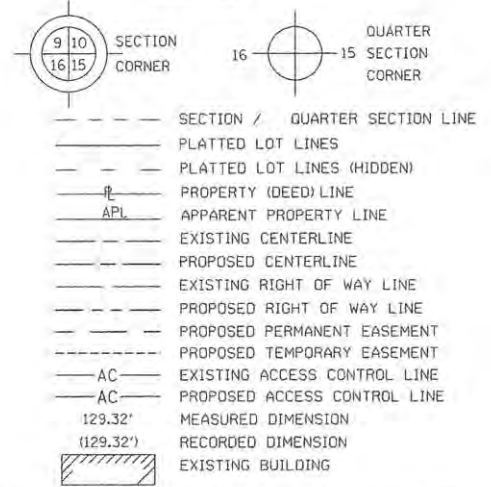
NOTE:
PROPOSED \odot OF CONSTRUCTION AND \oplus
OF RIGHT OF WAY ARE NOT PARALLEL.

COORDINATE TABLE		
506	N: 1920363.24	E: 1087605.82
507	N: 1920363.64	E: 1087617.86
508	N: 1920429.87	E: 1087621.71
509	N: 1920529.98	E: 1087627.52
510	N: 1920640.31	E: 1087633.93
511	N: 1920641.01	E: 1087621.84

PARCEL NO.	TOTAL HOLDING ACRES	PART TAKING ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PERMANENT INDEX NUMBER
					ACRES	SQUARE FEET	
0005	258.43	0.031	2.511	255.888	N/A	N/A	03-23-309-001
0005PE-A		N/A	N/A		0.038	N/A	
0005PE-B		N/A	N/A		0.072	N/A	
0005PE-C		N/A	N/A		0.155	N/A	
0005TE-A		N/A	N/A		0.241	N/A	
0005TE-B		N/A	N/A		0.183	N/A	
0005TE-C	N/A	N/A	0.043	N/A	N/A		
0006	0.439	0.018	N/A	0.421	N/A	N/A	03-23-309-003 03-23-309-004
0006TE-A		N/A	N/A		0.008	329	
0006TE-B		N/A	N/A		0.008	332	
0007	0.316	0.028	N/A	0.288	N/A	N/A	03-23-309-002
0007TE		N/A	N/A		0.012	N/A	

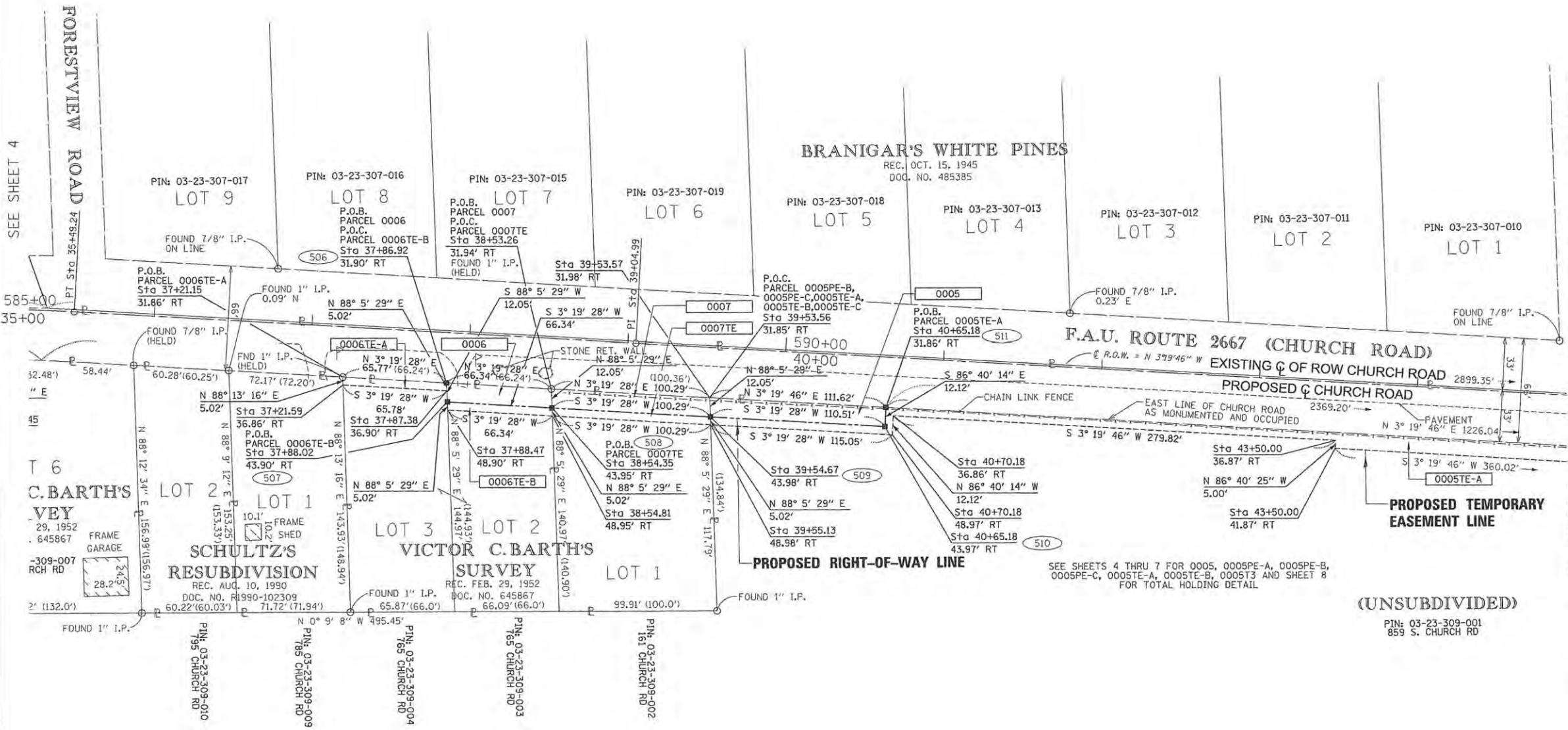
NOTES:
SCALE IN FEET
• ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
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• AREAS SHOWN ON THIS PLAT ARE "GROUND".

LEGEND



BEARINGS AND DISTANCES ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- M STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
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- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET



STATE OF ILLINOIS)
) S.S.
COUNTY OF KANE)

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COMPASS SURVEYING LTD.
PROFESSIONAL DESIGN FIRM
LAND SURVEYOR CORPORATION NO. 184-002778
LICENSE EXPIRES APRIL 30, 2017

BY: SCOTT C. KREBS DATE: B-10-15
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3509
LICENSE EXPIRES NOVEMBER 30, 2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



COMPASS SURVEYING LTD. 2631 Ginger Woods Parkway, Suite 100 Aurora IL 60502
PHONE: (630)820-9100 FAX: (630)820-7030

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. ROUTE 2667 (CHURCH ROAD)

LIMITS: W. GRAND AVE TO JEFFERSON STREET
COUNTY: DUPAGE
SECTION: 13-00089-00-WR JOB NO.: R-55-001-97
STATION 35+00 TO STATION 45+00
SCALE: 1"=40' SHEET 5 OF 8

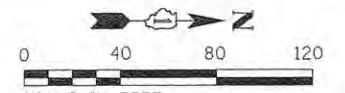
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISIONS
PER ENGINEER'S COMMENTS 9-21-15
IDOT USE ONLY

PART OF THE WEST HALF OF SECTION 23, T40N, R11E, OF THE 3RD PM, DUPAGE COUNTY, ILLINOIS

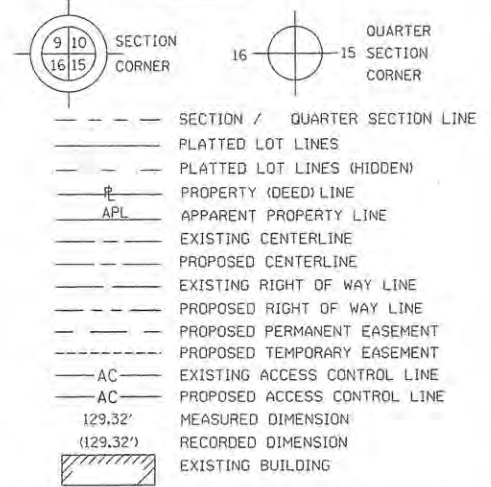
NOTE:
PROPOSED ϵ OF CONSTRUCTION AND ϵ
OF RIGHT OF WAY ARE NOT PARALLEL.

PARCEL NO.	TOTAL HOLDING ACRES	PART TAKING ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PERMANENT INDEX NUMBER
					ACRES	SQUARE FEET	
0005	258.43	0.031	2.511	255.888	N/A	N/A	03-23-309-001
0005PE-A		N/A	N/A		0.038	N/A	
0005PE-B		N/A	N/A		0.072	N/A	
0005PE-C		N/A	N/A		0.155	N/A	
0005TE-A		N/A	N/A		0.241	N/A	
0005TE-B		N/A	N/A		0.183	N/A	
0005TE-C		N/A	N/A		0.043	N/A	



NOTES:
SCALE IN FEET
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LEGEND



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 ○ IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
 + CUT CROSS FOUND OR SET ● 5/8" REBAR SET
 ■ STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
 □ RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
) S.S.
 COUNTY OF KANE)
 THIS IS TO CERTIFY THAT I, SCOTT KREBS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 23 AND 26, TOWNSHIP 40 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE COUNTY, ILLINOIS, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

COMPASS SURVEYING LTD.
 PROFESSIONAL DESIGN FIRM
 AND SURVEYOR CORPORATION NO. 184-002778
 LICENSE EXPIRES APRIL 30, 2017
 SCOTT C. KREBS
 35-5509 BY: [Signature]
 AURORA, ILLINOIS
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3509
 LICENSE EXPIRES NOVEMBER 30, 2016
 DATE: 8-10-15

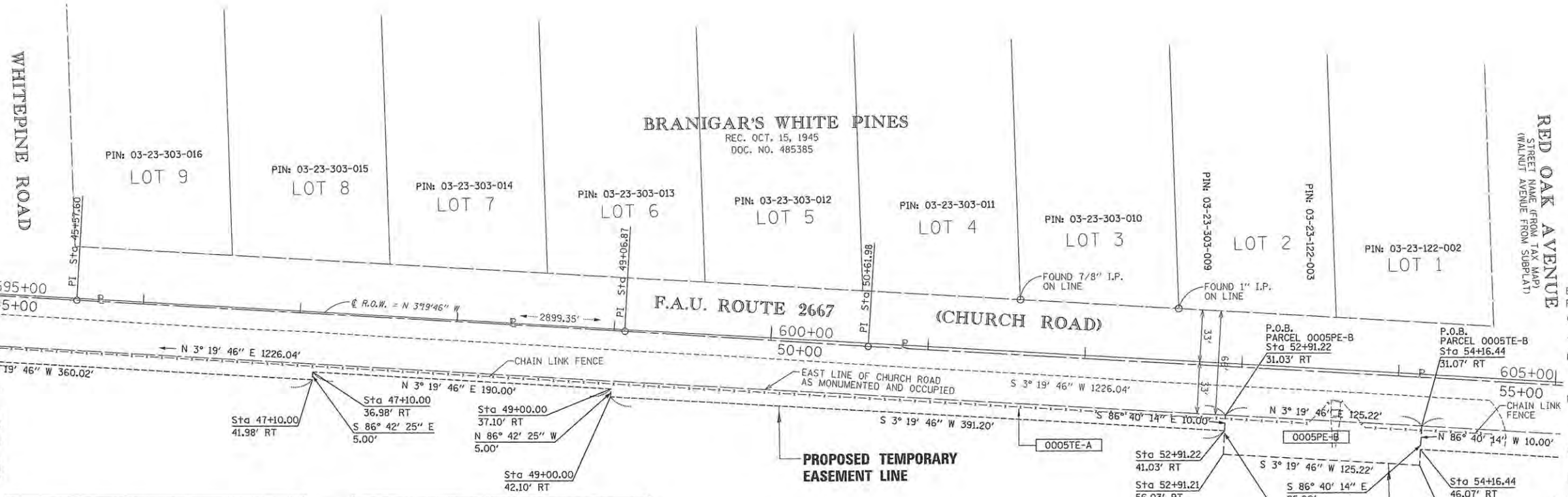
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

COMPASS SURVEYING LTD
 2631 Ginger Woods Parkway,
 Suite 100 Aurora IL 60502
 PHONE: (630)820-9100
 FAX: (630)820-7030

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. ROUTE 2667 (CHURCH ROAD)
 LIMITS: W. GRAND AVE TO JEFFERSON STREET
 COUNTY: DUPAGE
 SECTION: 13-00089-00-WR JOB NO.: R-55-001-97
 STATION 45+00 TO STATION 55+00
 SCALE: 1"=40' SHEET 6 OF 8

REVISIONS
PER ENGINEER'S COMMENTS 9-21-15
IDOT USE ONLY

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196



PROJECT COORDINATES
 Illinois State Plane, East Zone, NAD 83 (2011)

Point	North	East	Station	Offset	
1919205.10	1087592.24	26+26.50	RT	26.74	
1919205.54	1087592.24	26+27.95	RT	26.74	
1919356.89	1087592.02	27+77.92	RT	26.96	
1917706.04	1087608.30	11+26.97	RT	27.02	
1918823.29	1087596.33	22+44.18	RT	27.64	
505	1918431.20	1087600.53	18+52.28	RT	27.70
	1918314.10	1087601.79	17+35.21	RT	27.93
	1919038.04	1087594.03	24+59.44	RT	27.95
503	1918134.86	1087603.71	15+55.97	RT	28.58
501	1917715.25	1087610.70	11+36.16	RT	29.52
	1921864.99	1087693.04	52+91.22	RT	31.03
	1921989.99	1087700.31	54+16.44	RT	31.07
502	1918134.94	1087606.21	15+56.03	RT	31.08
	1922519.05	1087731.09	59+46.27	RT	31.28
500	1917702.04	1087612.64	11+22.93	RT	31.31
	1919205.13	1087597.24	26+26.54	RT	31.74
	1919206.71	1087597.24	26+28.12	RT	31.74
	1920529.58	1087615.35	39+53.56	RT	31.85
	1920297.58	1087602.00	37+21.15	RT	31.86
511	1920641.01	1087621.84	40+65.18	RT	31.86
506	1920363.24	1087605.82	37+86.92	RT	31.90
	1920429.46	1087609.66	38+53.26	RT	31.94
	1919357.05	1087597.02	27+78.01	RT	31.96
	1920529.58	1087615.48	39+53.57	RT	31.98
	1922788.60	1087746.77	62+16.27	RT	32.39
	1920033.28	1087591.04	34+54.75	RT	32.41
	1918823.44	1087601.33	22+44.25	RT	32.64
	1919951.19	1087591.16	33+72.67	RT	32.64
	1918431.65	1087605.53	18+52.69	RT	32.70
	1919081.96	1087598.56	25+03.11	RT	32.78
	1922973.13	1087757.50	64+01.11	RT	33.16
	1920297.73	1087607.02	37+21.59	RT	36.86
	1920645.71	1087627.12	40+70.18	RT	36.86
	1920925.06	1087643.37	43+50.00	RT	36.87
	1920363.41	1087610.84	37+87.38	RT	36.90

PROJECT COORDINATES
 Illinois State Plane, East Zone, NAD 83 (2011)

Point	North	East	Station	Offset	
1921284.48	1087654.28	47+10.00	RT	36.98	
1921474.16	1087675.31	49+00.00	RT	37.10	
1917695.57	1087619.65	11+16.38	RT	38.25	
1917789.36	1087618.72	12+10.17	RT	38.40	
1917943.08	1087617.05	13+63.90	RT	38.51	
1917877.25	1087617.82	12+98.06	RT	38.52	
1918342.16	1087612.87	17+63.40	RT	39.10	
1918135.22	1087614.85	15+56.25	RT	39.73	
1921864.41	1087703.02	52+91.22	RT	41.03	
504	1918419.67	1087614.66	18+40.43	RT	41.70
	1920924.77	1087648.36	43+50.00	RT	41.87
	1921284.19	1087669.27	47+10.00	RT	41.98
	1921473.87	1087680.30	49+00.00	RT	42.10
	1922788.02	1087756.75	62+16.23	RT	42.39
	1919082.28	1087608.56	25+03.36	RT	42.78
	1919038.54	1087609.03	24+59.96	RT	42.94
	1922973.46	1087767.54	64+01.99	RT	43.16
507	1920363.64	1087617.86	37+88.02	RT	43.90
508	1920429.87	1087621.71	38+54.35	RT	43.95
510	1920640.31	1087633.93	40+65.18	RT	43.97
509	1920529.98	1087627.52	39+54.67	RT	43.98
	1918419.78	1087617.92	18+40.49	RT	44.97
	1921989.12	1087715.29	54+16.44	RT	46.07
	1922518.18	1087746.06	59+46.21	RT	46.28
	1920363.81	1087622.88	37+88.47	RT	48.90
	1920430.03	1087626.73	38+54.81	RT	48.95
	1920645.01	1087639.21	40+70.18	RT	48.97
	1920530.15	1087632.54	39+55.13	RT	48.98
	1920033.95	1087611.04	34+55.45	RT	52.41
	1919951.84	1087611.16	33+73.34	RT	52.64
	1921863.53	1087718.00	52+91.21	RT	56.03
	1921988.54	1087725.27	54+16.43	RT	56.07
	1922517.60	1087756.05	59+46.17	RT	56.28
	1922787.15	1087771.73	62+16.17	RT	57.39

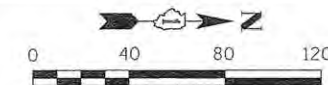
SEE SHEETS 4 THRU 7 FOR 0005, 0005PE-A, 0005PE-B, 0005PE-C, 0005TE-A, 0005TE-B, 0005T3 AND SHEET 8 FOR TOTAL HOLDING DETAIL

(UNSUBDIVIDED)
 PIN: 03-23-309-001
 859 S. CHURCH RD

PART OF THE WEST HALF OF SECTION 23, T40N, R11E, OF THE 3RD PM, DUPAGE COUNTY, ILLINOIS

NOTE:
PROPOSED $\frac{1}{2}$ OF CONSTRUCTION AND $\frac{1}{2}$
OF RIGHT OF WAY ARE NOT PARALLEL.

PARCEL NO.	TOTAL HOLDING ACRES	PART TAKING ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PERMANENT INDEX NUMBER
					ACRES	SQUARE FEET	
0005	258.43	0.031	2.511	255.888	N/A	N/A	03-23-309-001
0005PE-A		N/A	N/A		0.038	N/A	
0005PE-B		N/A	N/A		0.072	N/A	
0005PE-C		N/A	N/A		0.155	N/A	
0005TE-A		N/A	N/A		0.241	N/A	
0005TE-B		N/A	N/A		0.183	N/A	
0005TE-C		N/A	N/A		0.043	N/A	



NOTES:
SCALE IN FEET
• ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
• BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
• ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.99995957.
• AREAS SHOWN ON THIS PLAT ARE "GROUND".

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PLATTED LOT LINES (HIDDEN)
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED PERMANENT EASEMENT
- PROPOSED TEMPORARY EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

- BEARINGS AND DISTANCES ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.
- IRON PIPE OR ROD FOUND
 - CUT CROSS FOUND OR SET
 - "MAG" NAIL SET
 - 5/8" REBAR SET
 - STAKING OF PROPOSED RIGHT OF WAY SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
 - RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
) S.S.
COUNTY OF KANE)

THIS IS TO CERTIFY THAT I, SCOTT KREBS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 23 AND 26, TOWNSHIP 40 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE COUNTY, ILLINOIS, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

COMPASS SURVEYING LTD.
PROFESSIONAL DESIGN FIRM
LAND SURVEYOR CORPORATION NO. 184-002778
LICENSE EXPIRES APRIL 30, 2017

BY: DATE: 8-10-15

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3509

LICENSE EXPIRES NOVEMBER 30, 2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



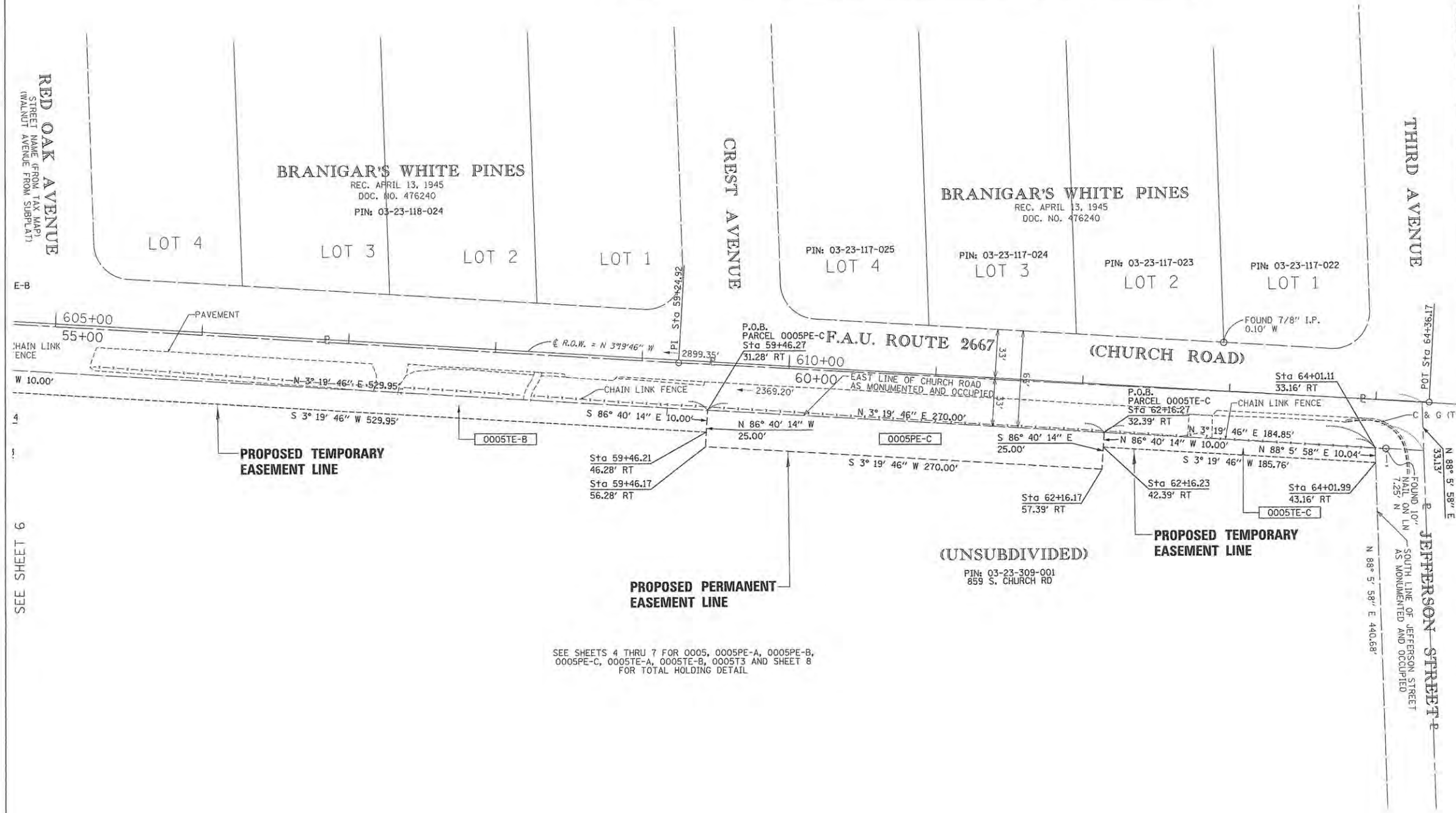
COMPASS SURVEYING LTD. 2631 Ginger Woods Parkway,
Suite 100 Aurora IL 60502
PHONE: (630)820-9100
FAX: (630)820-7030

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. ROUTE 2667 (CHURCH ROAD)

LIMITS: W. GRAND AVE TO JEFFERSON STREET
COUNTY: DUPAGE
SECTION: 13-00089-00-WR JOB NO.: R-55-001-97
STATION 55+00 TO STATION 64+36.17
SCALE: 1"=40' SHEET 7 OF 8

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISIONS
PER ENGINEER'S COMMENTS 9-21-15
IDOT USE ONLY



PART OF THE WEST HALF OF SECTION 23, T40N, R11E, OF THE 3RD PM, DUPAGE COUNTY, ILLINOIS

SCALE: 1"=200'

NOTES:
 • ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
 • BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
 • ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.99995957.
 • AREAS SHOWN ON THIS PLAT ARE "GROUND".

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PLATTED LOT LINES (HIDDEN)
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
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- MEASURED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

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- "MAG" NAIL SET
- CUT CROSS FOUND OR SET
- 5/8" REBAR SET
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COMPASS SURVEYING LTD.
 PROFESSIONAL DESIGN FIRM
 LAND SURVEYOR CORPORATION NO. 184-002778
 LICENSE EXPIRES APRIL 30, 2017

BY: DATE: 8-10-16
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3509
 LICENSE EXPIRES NOVEMBER 30, 2016



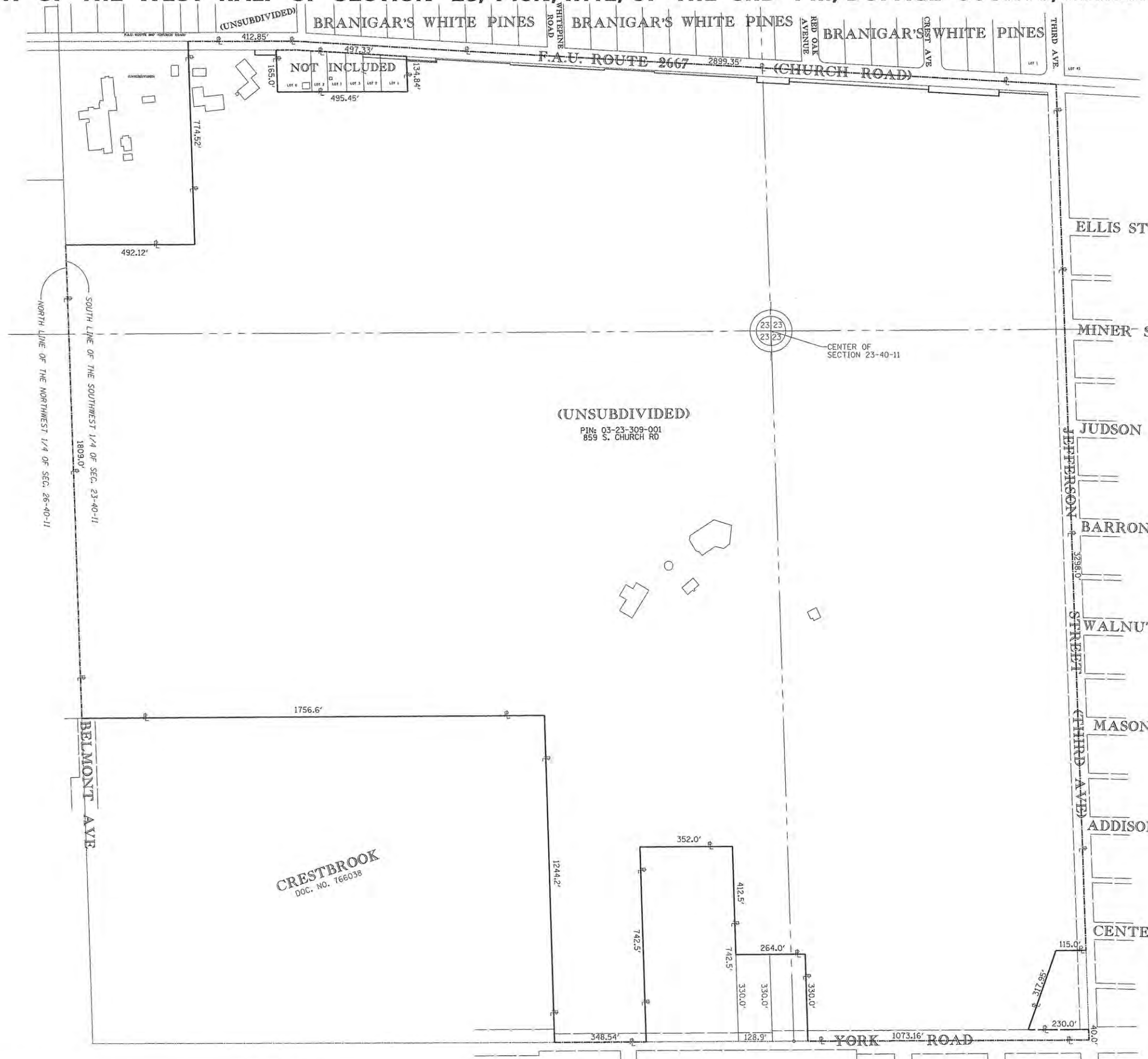
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COMPASS SURVEYING LTD. 2631 Ginger Woods Parkway, Suite 100 Aurora IL 60502
 PHONE: (630)820-9100 FAX: (630)820-7030

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. ROUTE 2667 (CHURCH ROAD)
 LIMITS: TOTAL HOLDING 0005
 COUNTY: DUPAGE
 SECTION: 13-00089-00-WR JOB NO.: R-55-001-97
 STATION TO STATION
 SCALE: 1"=200' SHEET 8 OF 8

REVISIONS
 PER ENGINEER'S COMMENTS 9-21-15
IDOT USE ONLY

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196



CALCULATIONS BY: A. ECK

DRAFTING BY: B. TRAYER

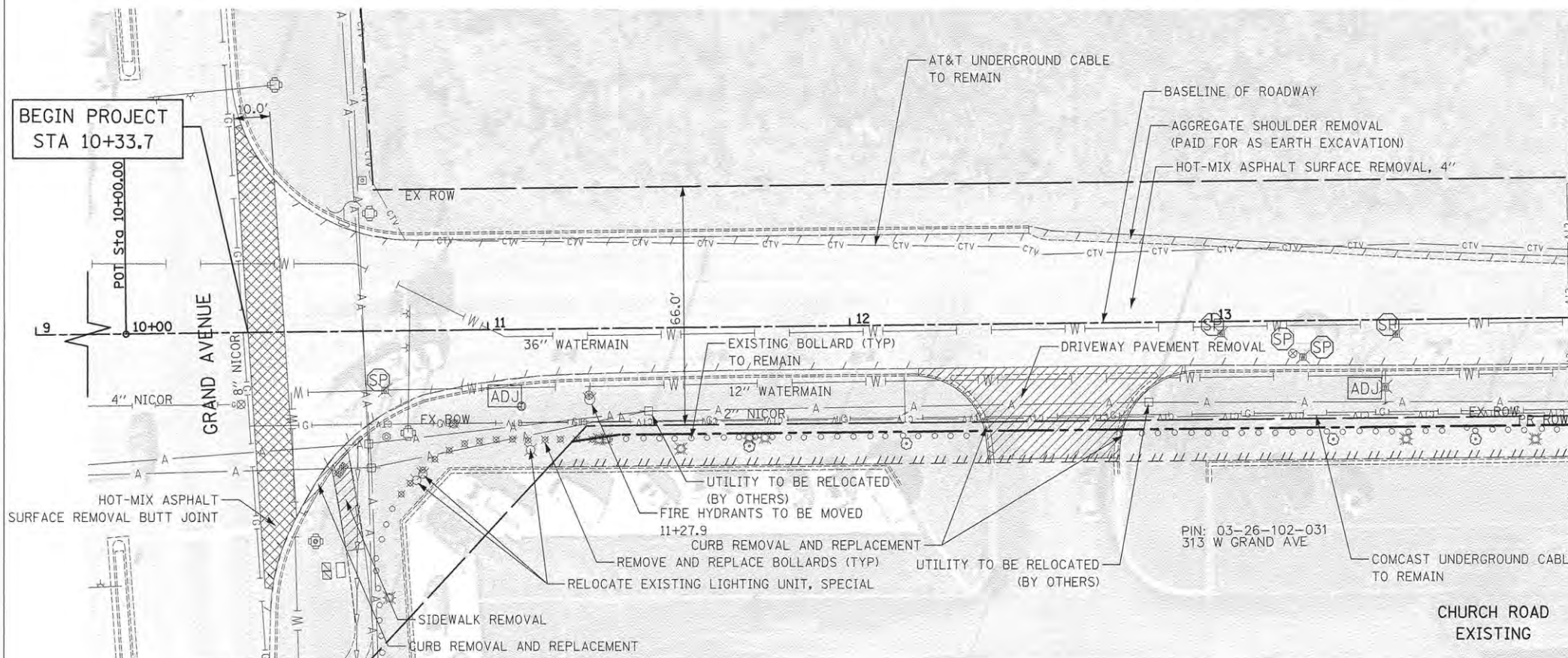
CHECKED BY: S. KREBS

GEORGE ST.

RED OAK ST.

CREST ST.

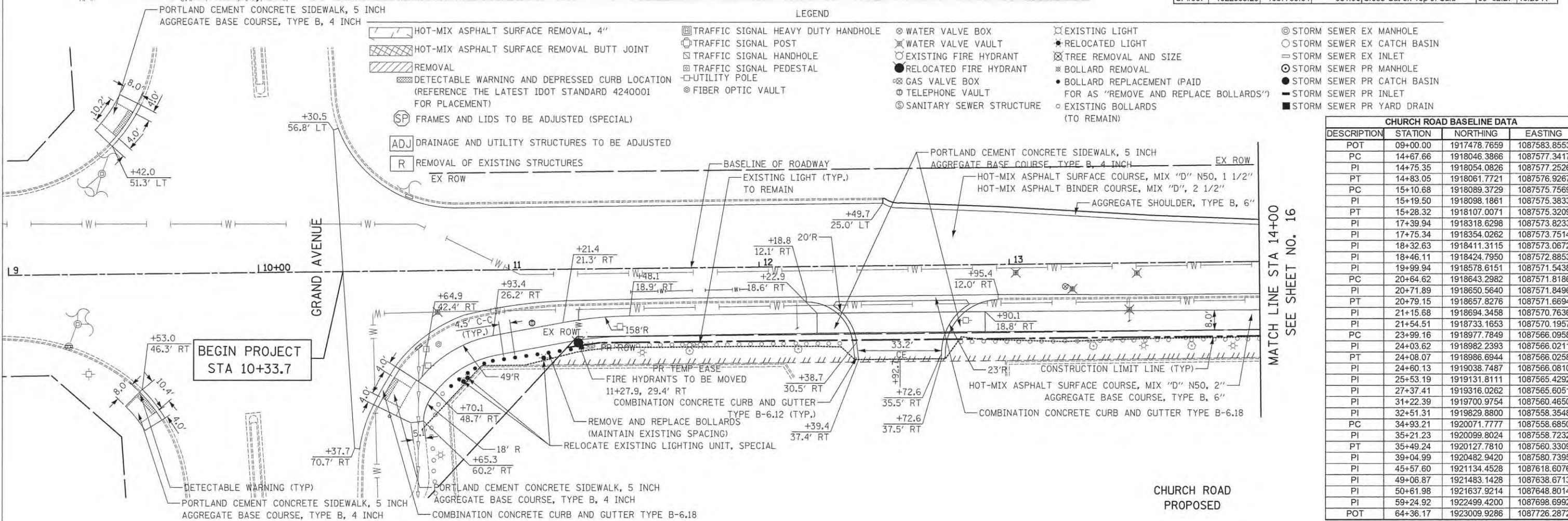
COMPASS JOB. NO. 15.0113



MATCH LINE STA 14+00 SEE SHEET NO. 16

- NOTE:**
1. CURB REMOVAL AND REPLACEMENT LIMITS WILL BE DETERMINED BY FIELD ENGINEER. ALL CURB AND GUTTER TO BE REMOVED WILL BE REPLACED IN KIND (REGARDLESS OF TYPE) AND PAID FOR AT THE SAME UNIT BID PRICE AS "CURB REMOVAL AND REPLACEMENT".
 2. C.E. - COMMERCIAL ENTRANCE
HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N50, 2"
AGGREGATE BASE COURSE, TYPE B, 8"
 3. P.E. - PRIVATE ENTRANCE
HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N50, 2"
AGGREGATE BASE COURSE, TYPE B, 6"
 4. FOR DRIVEWAY LAYOUT SEE IDOT BD-01 DRIVEWAY DETAILS
 5. SEE GENERAL NOTES SHEET FOR SURVEY BENCHMARK INFORMATION
 6. FLARED END SECTION INVERT CALLOUTS ARE AT THE END OF THE SECTION FLARE

CONTROL POINTS						
CP#	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
CP#500	1917672.77	1087601.09	692.459	Iron Pipe w/ Cap	10+93.79	19.42 R
CP#501	1918481.41	1087539.14	687.56	Iron Pipe w/ Cap	19+03.04	33.29 L
CP#502	1919223.58	1087585.88	694.61	Nail	26+44.98	20.36 R
CP#503	1920005.57	1087573.45	692.04	10" Nail	34+27.02	14.85 R
CP#504	1920636.27	1087574.37	692.2	Iron Pipe w/ Cap	40+58.04	14.92 L
CP#505	1921483.35	1087653.04	685.81	Cross Cut on Top of Curb	49+08.02	14.33 R
CP#506	1922216.29	1087666.12	684.68	1" Iron Pipe w/ Cap	56+40.38	16.16 L
CP#507	1922955.23	1087739.64	681.96	Cross Cut on Top of Curb	63+82.27	16.28 R



MATCH LINE STA 14+00 SEE SHEET NO. 16

CHURCH ROAD BASELINE DATA			
DESCRIPTION	STATION	NORTHING	EASTING
POT	09+00.00	1917478.7659	1087583.8553
PC	14+67.66	1918046.3866	1087577.3417
PI	14+75.35	1918054.0826	1087577.2526
PT	14+83.05	1918061.7721	1087576.9267
PC	15+10.68	1918089.3729	1087575.7569
PI	15+19.50	1918098.1861	1087575.3833
PT	15+28.32	1918107.0071	1087575.3209
PI	17+39.94	1918318.6298	1087573.8233
PI	17+75.34	1918354.0262	1087573.7514
PI	18+32.63	1918411.3115	1087573.0672
PI	18+46.11	1918424.7950	1087572.8853
PI	19+99.94	1918578.6151	1087571.5438
PC	20+64.62	1918643.2982	1087571.8186
PI	20+71.89	1918650.5640	1087571.8496
PT	20+79.15	1918657.8276	1087571.6694
PI	21+15.68	1918694.3458	1087570.7636
PI	21+54.51	1918733.1653	1087570.1957
PC	23+99.16	1918977.7849	1087566.0958
PI	24+03.62	1918982.2393	1087566.0211
PT	24+08.07	1918986.6944	1087566.0258
PI	24+60.13	1919038.7487	1087566.0810
PI	25+53.19	1919131.8111	1087565.4292
PI	27+37.41	1919316.0262	1087565.6051
PI	31+22.39	1919700.9754	1087560.4650
PI	32+51.31	1919829.8800	1087558.3548
PC	34+93.21	1920071.7777	1087558.6850
PI	35+21.23	1920099.8024	1087558.7232
PT	35+49.24	1920127.7810	1087560.3309
PI	39+04.99	1920482.9420	1087580.7395
PI	45+57.60	1921134.4528	1087618.6076
PI	49+06.87	1921483.1428	1087638.6713
PI	50+61.98	1921637.9214	1087648.8014
PI	59+24.92	1922499.4200	1087698.6992
POT	64+36.17	1923009.9286	1087726.2872

CHURCH ROAD PROPOSED

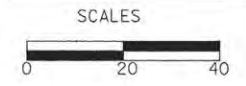
NO.	DATE	BY	REVISIONS
1			DESIGNED - JRR
2			DRAWN - TFS
3			CHECKED - RTM
4			DATE - 10/12/2015

NO.	DATE	BY	REVISIONS
1			DESIGNED - JRR
2			DRAWN - TFS
3			CHECKED - RTM
4			DATE - 10/12/2015

CIVILTECH
450 E Devon Ave, Suite 300
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED - JRR	REVISIONS
DRAWN - TFS	REVISIONS
CHECKED - RTM	REVISIONS
DATE - 10/12/2015	REVISIONS

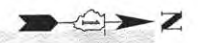
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ROADWAY PLAN

SHEET NO. 1 OF 11 SHEETS STA. 10+00 TO STA. 14+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	15
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61C10	

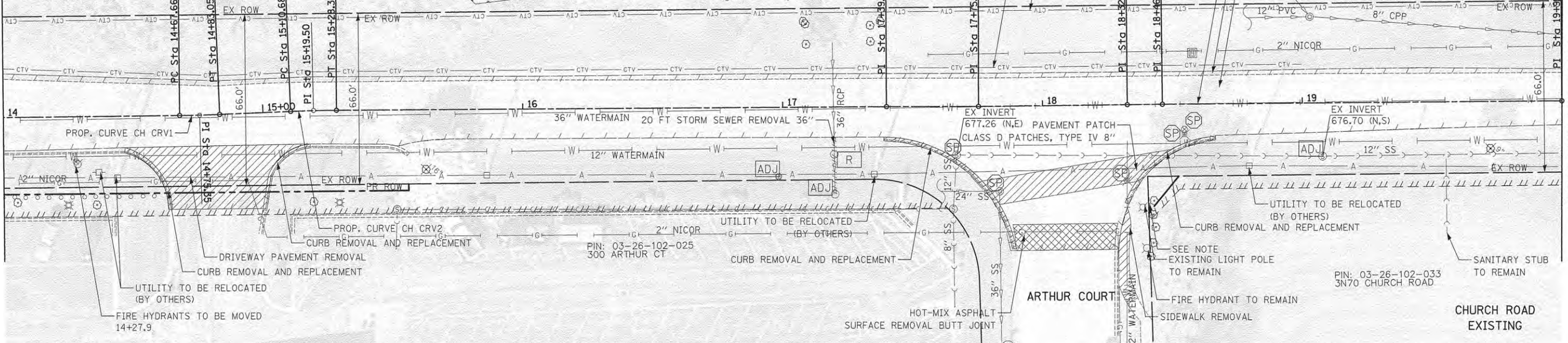


PROP. CURVE CH. CRV1
 PI STA. = 14+75.35
 $\Delta = 1^\circ 45' 50''$ (LT)
 $D = 11^\circ 27' 33''$
 $R = 500.00'$
 $T = 7.70'$
 $L = 15.39'$
 $E = 0.06'$
 P.C. STA = 14+67.66
 P.T. STA = 14+83.05

PROP. CURVE CH. CRV2
 PI STA. = 15+19.50
 $\Delta = 2^\circ 01' 17''$ (RT)
 $D = 11^\circ 27' 33''$
 $R = 500.00'$
 $T = 8.82'$
 $L = 17.64'$
 $E = 0.08'$
 P.C. STA = 15+10.68
 P.T. STA = 15+28.32

MATCH LINE STA 14+00
 SEE SHEET NO. 15

MATCH LINE STA 20+00
 SEE SHEET NO. 17



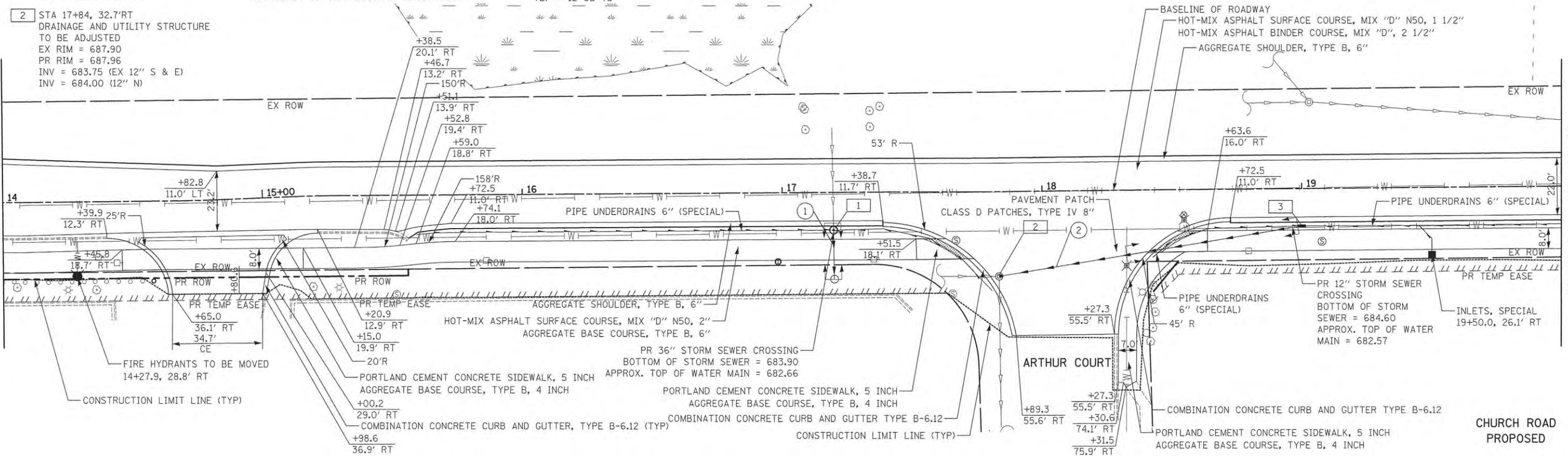
- 1 STA 17+20, 14.5' RT
 MANHOLES, TYPE A, 5'-DIAMETER,
 TYPE 1 FRAME, OPEN LID
 RIM = 687.99
 INV = 683.91 (12" W)
 INV = 683.90 (12" E)
- 2 STA 17+84, 32.7' RT
 DRAINAGE AND UTILITY STRUCTURE
 TO BE ADJUSTED
 EX RIM = 687.90
 PR RIM = 687.96
 INV = 683.75 (EX 12" S & E)
 INV = 684.00 (12" N)
- 3 STA 19+00, 14.5' RT
 INLETS, TYPE A, TYPE 1 FRAME, OPEN LID
 RIM = 687.95
 INV = 684.60 (12" S)
 (STRUCTURE TO BE FIELD LOCATED OUTSIDE
 THE LIMITS OF THE EXISTING WATER MAIN)

- 1 14' - STORM SEWER (WATER MAIN REQUIREMENTS) 36 INCH @ 0.09%
 TBF = 6 CU YD
- 2 48' - STORM SEWERS, CLASS A, TYPE 1 12" @ 0.52%
 67' - STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH @ 0.52%
 TBF = 12 CU YD

NOTE:
 FENCE POSTS IN CONFLICT WITH
 PROPOSED SIDEWALK SHALL BE REMOVED
 (PAID FOR AS EARTH EXCAVATION)

MATCH LINE STA 14+00
 SEE SHEET NO. 15

MATCH LINE STA 20+00
 SEE SHEET NO. 17

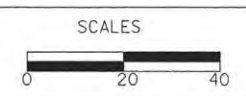


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 DATE - 10/12/2015

REVISED - 12/16/2015
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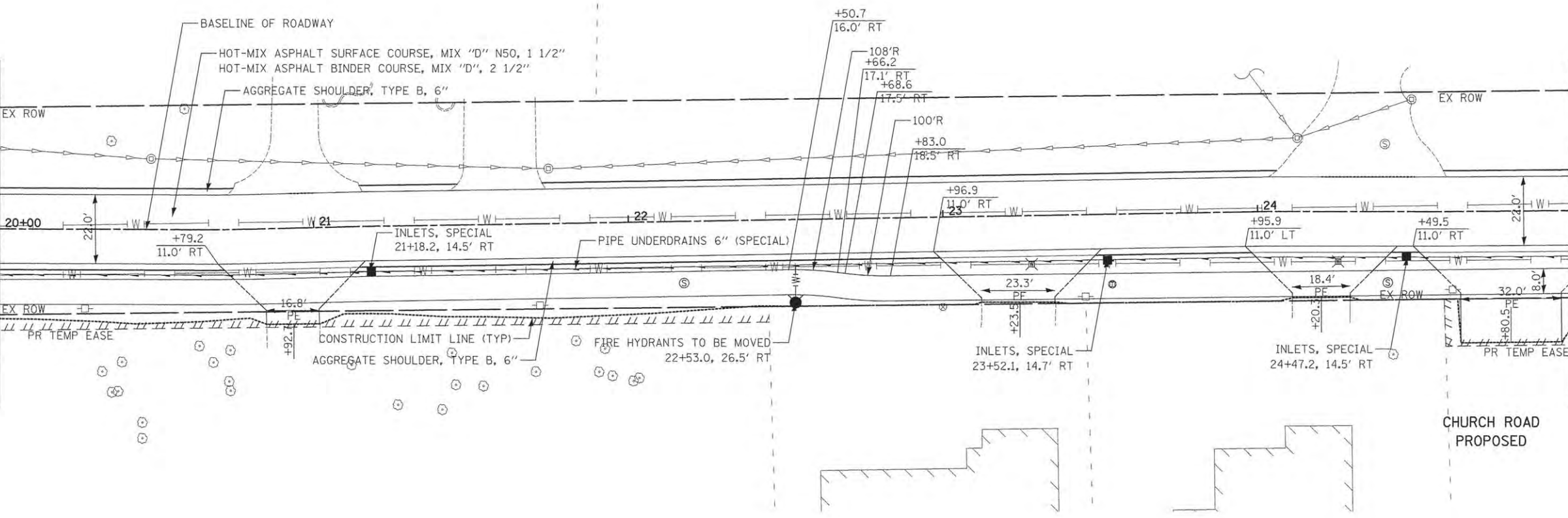
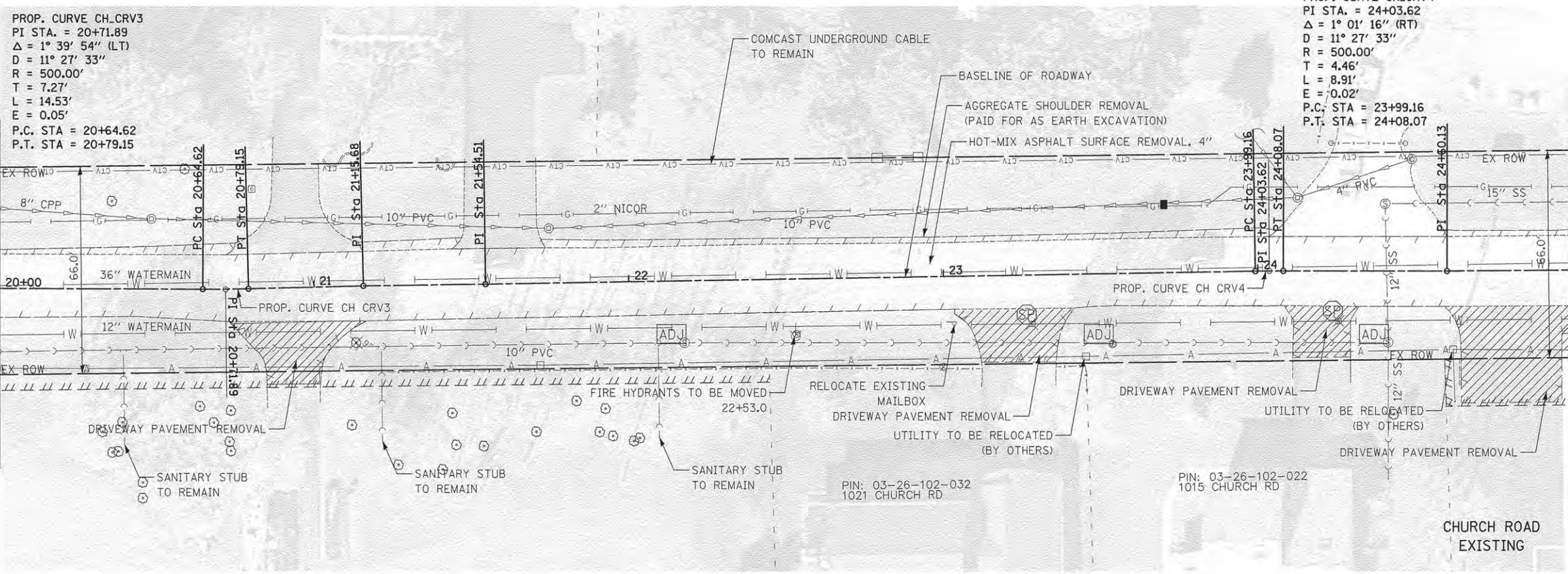
STATE OF ILLINOIS
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ROADWAY PLAN

SHEET NO. 2 OF 11 SHEETS STA. 14+00 TO STA. 20+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	16
CONTRACT NO. 61C10				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



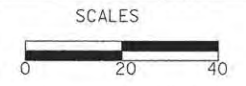
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NO.	
BY	
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PROFILE	DATE
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DRAWN - TFS	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/12/2015	REVISED -

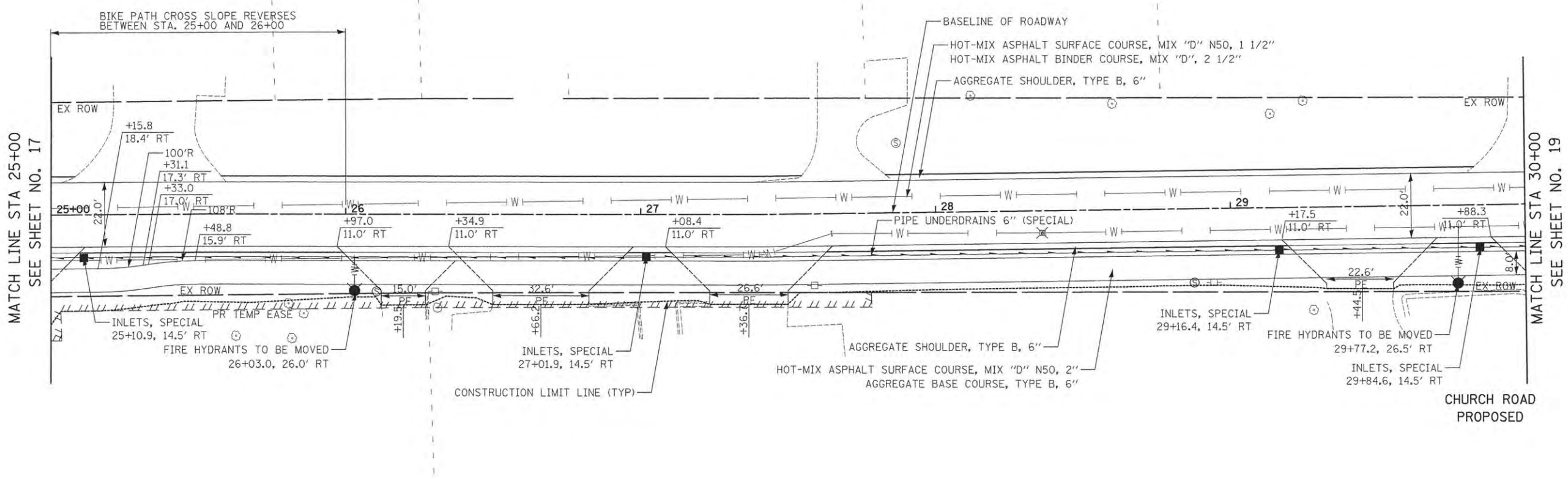
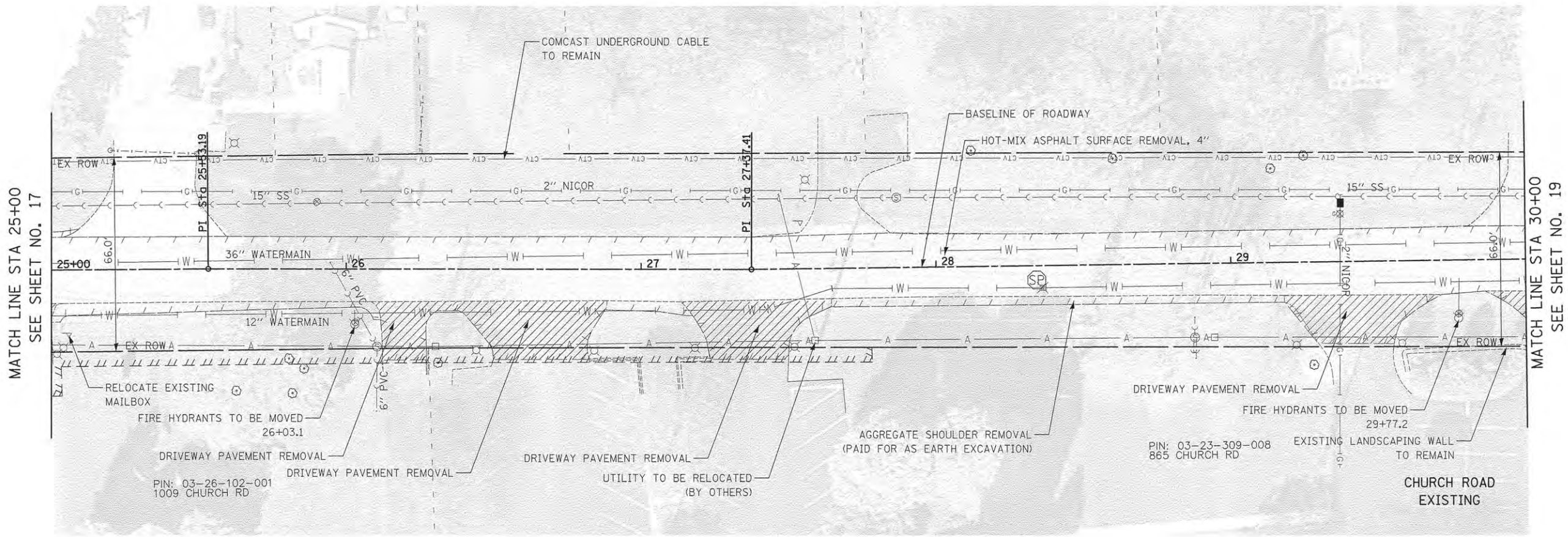
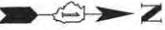
**STATE OF ILLINOIS
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ROADWAY PLAN

SHEET NO. 3 OF 11 SHEETS STA. 20+00 TO STA. 25+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	17
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61C10	



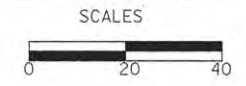
DATE	
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DATE	
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DESIGNED	
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CHECKED	
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DRAWN - TFS	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/12/2015	REVISED -

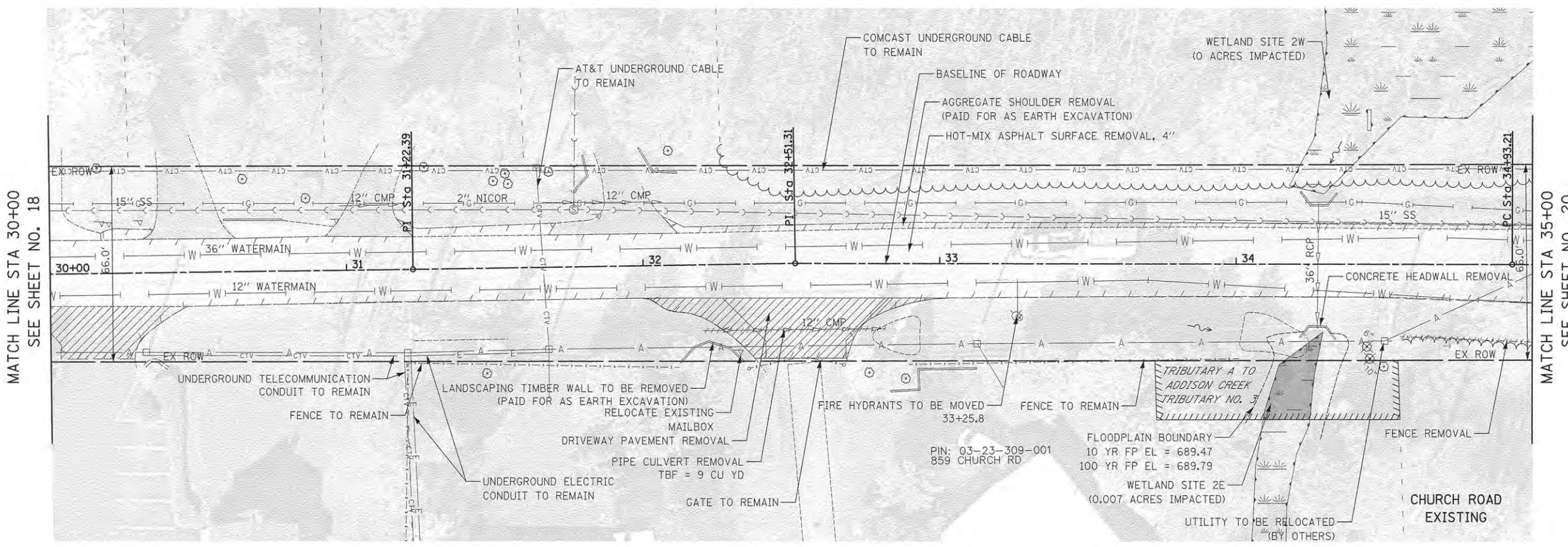
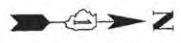
**STATE OF ILLINOIS
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ROADWAY PLAN

SHEET NO. 4 OF 11 SHEETS STA. 25+00 TO STA. 30+00

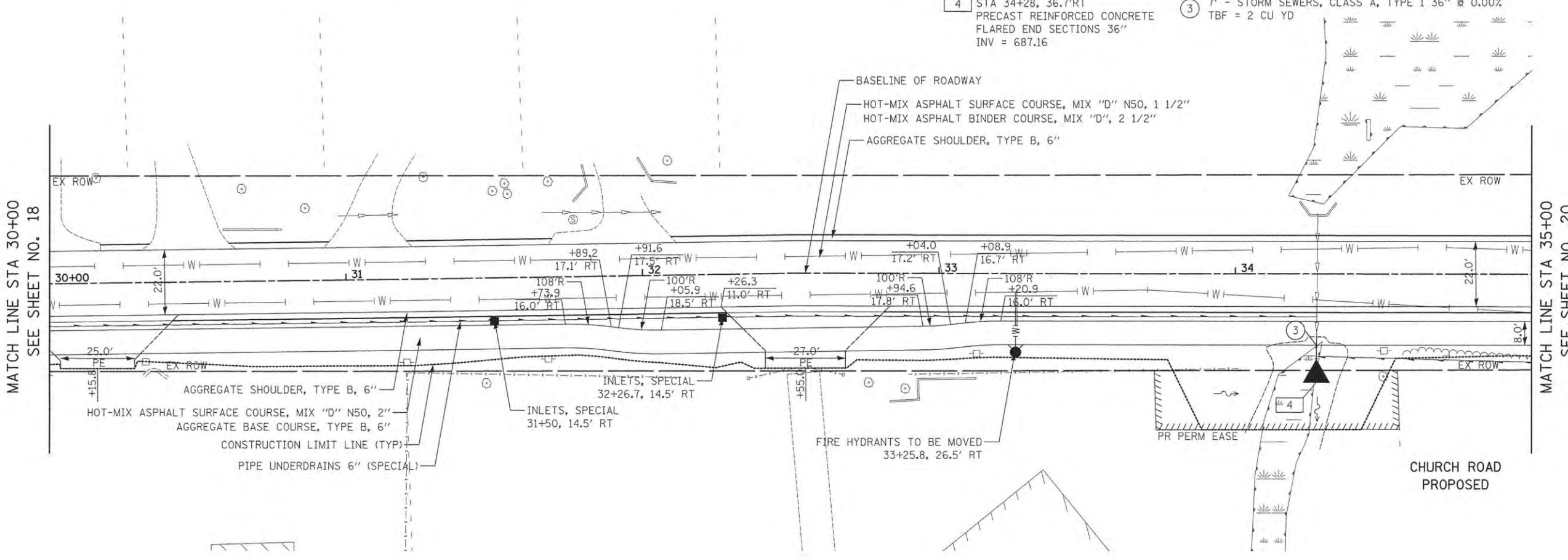
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	18
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 61C10	



MATCH LINE STA 30+00
SEE SHEET NO. 18

MATCH LINE STA 35+00
SEE SHEET NO. 20

- 4 STA 34+28, 36.7' RT
PRECAST REINFORCED CONCRETE
FLARED END SECTIONS 36"
INV = 687.16
- 3 7' - STORM SEWERS, CLASS A, TYPE 1 36" @ 0.00%
TBF = 2 CU YD



MATCH LINE STA 30+00
SEE SHEET NO. 18

MATCH LINE STA 35+00
SEE SHEET NO. 20

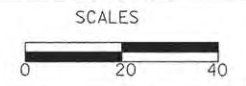
PLAN	SURVEYED	DATE
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	ALIGNMENT CHECKED	
	NOTE BOOK	
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PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NO.	

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DRAWN - TFS	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/12/2015	REVISED -

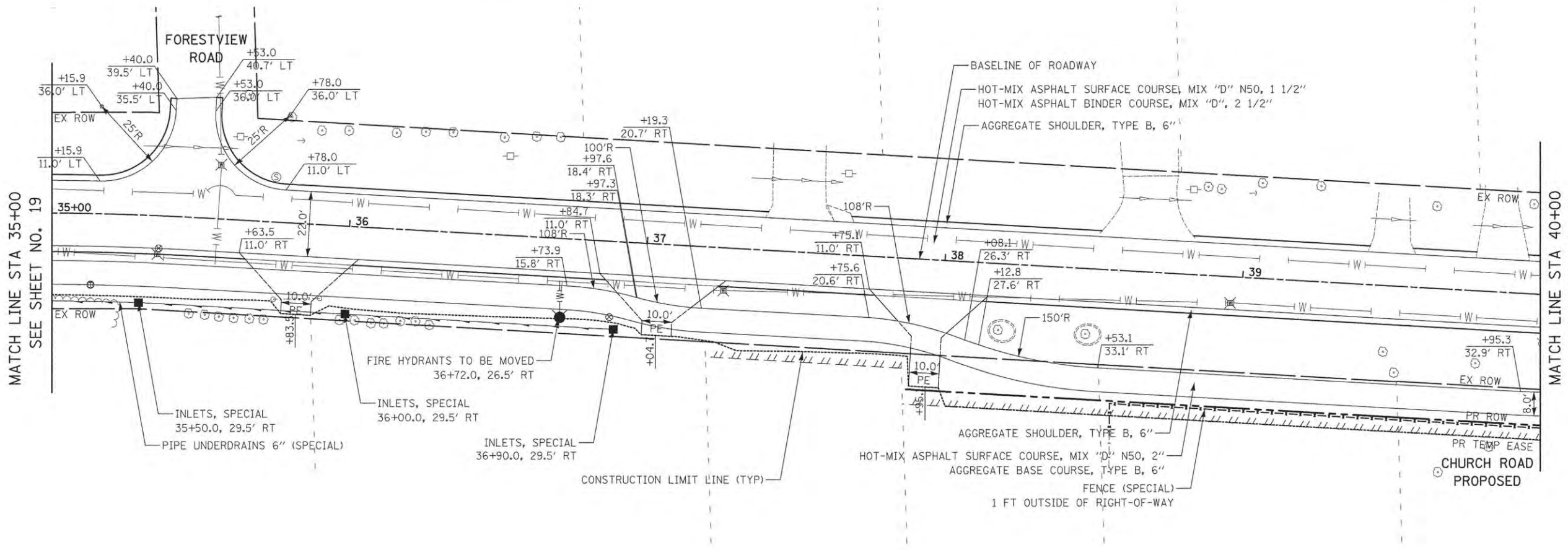
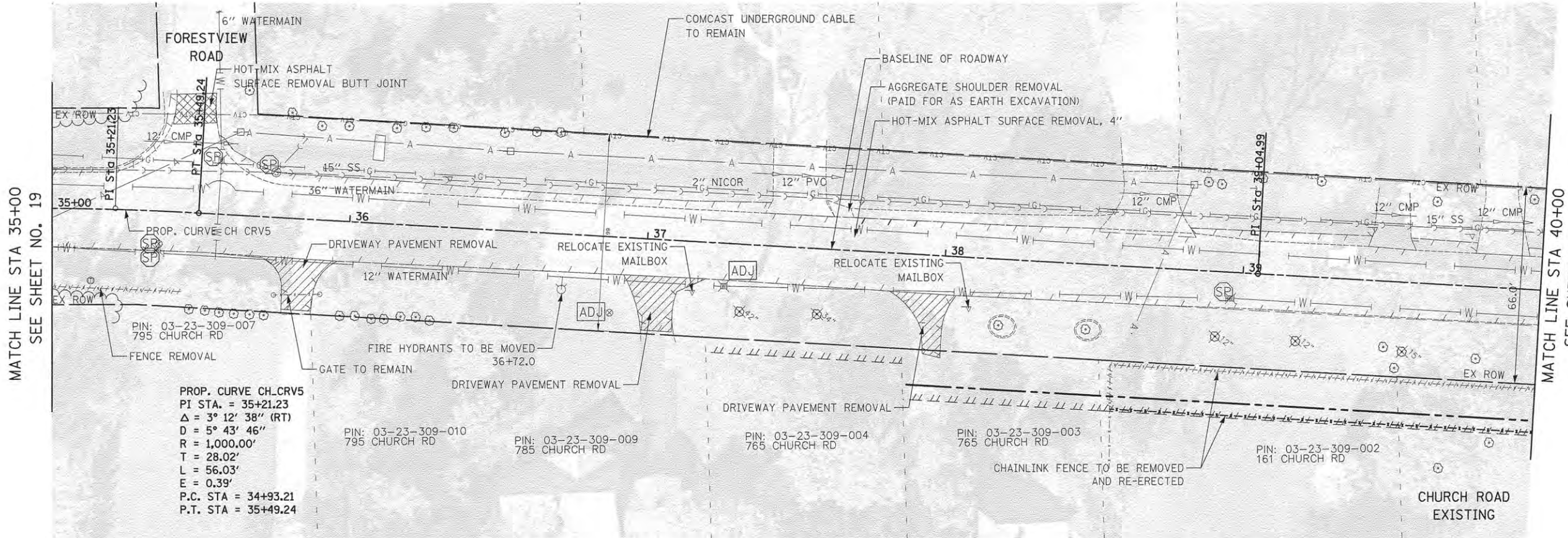
**STATE OF ILLINOIS
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ROADWAY PLAN

SHEET NO. 5 OF 11 SHEETS STA. 30+00 TO STA. 35+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	19
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 61C10		



PLAN	REVISIONS	DATE
NO.		
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PROFILE	REVISIONS	DATE
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NO.		
NO.		
NO.		
NO.		

MATCH LINE STA 35+00
SEE SHEET NO. 19

MATCH LINE STA 40+00
SEE SHEET NO. 21

MATCH LINE STA 35+00
SEE SHEET NO. 19

MATCH LINE STA 40+00
SEE SHEET NO. 21

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DRAWN - TFS	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/12/2015	REVISED -

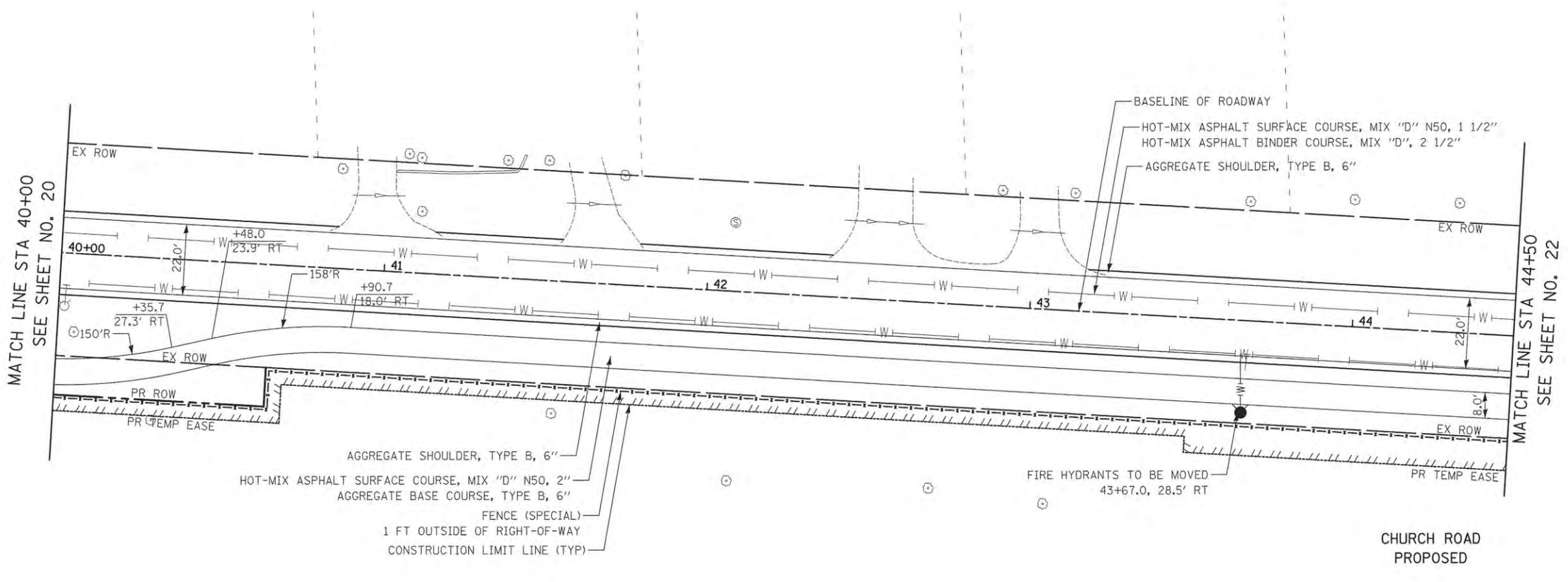
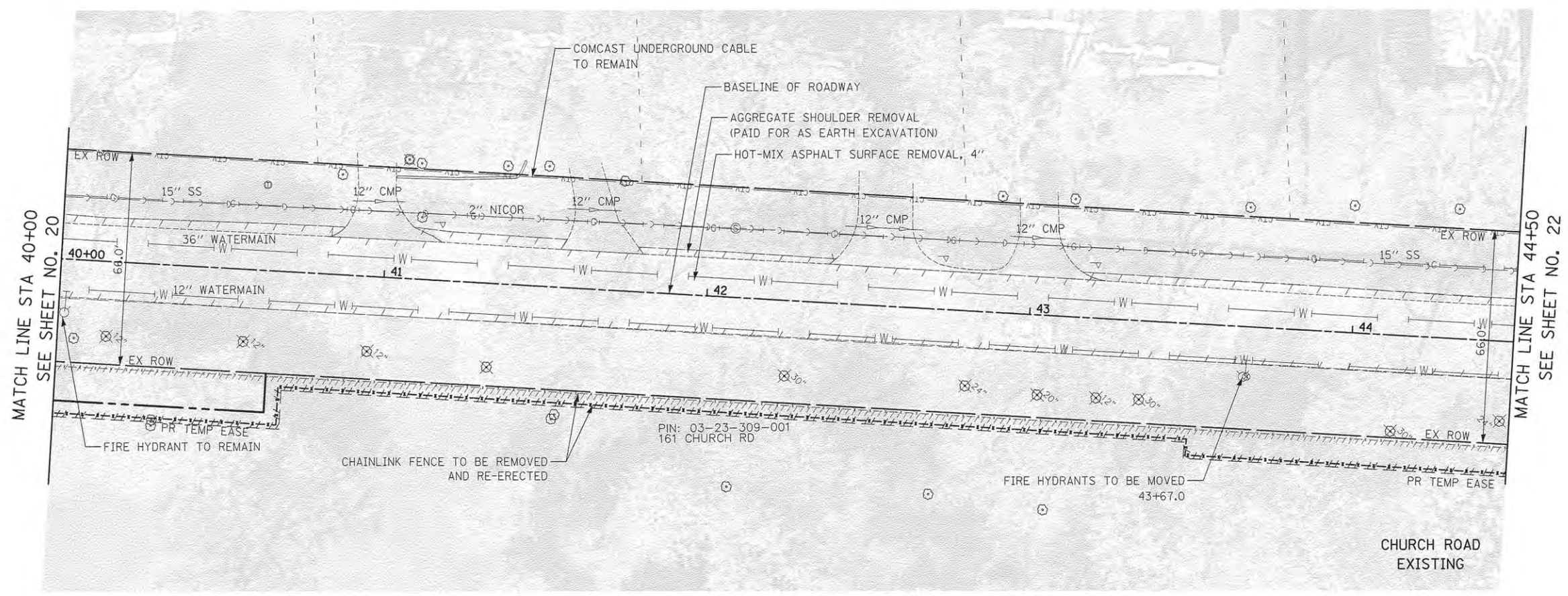
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ROADWAY PLAN

SHEET NO. 6 OF 11 SHEETS STA. 35+00 TO STA. 40+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	20
				CONTRACT NO. 61C10
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



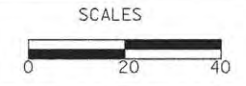
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NOTE BOOK NO.	PLOTTED	
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PROFILE	DESIGNED	DATE
NOTE BOOK NO.	PLOTTED	
	GRADES CHECKED	
	AS NOTED	
	DATE	
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DESIGNED - JRR	REVISED -
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CHECKED - RTM	REVISED -
DATE - 10/12/2015	REVISED -

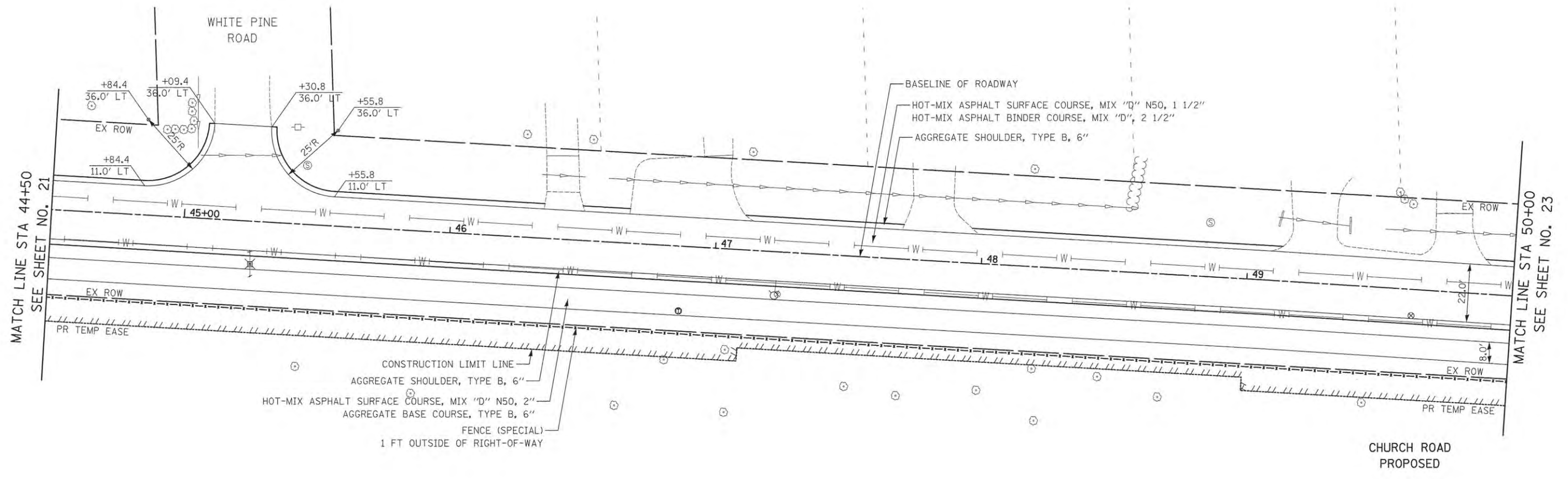
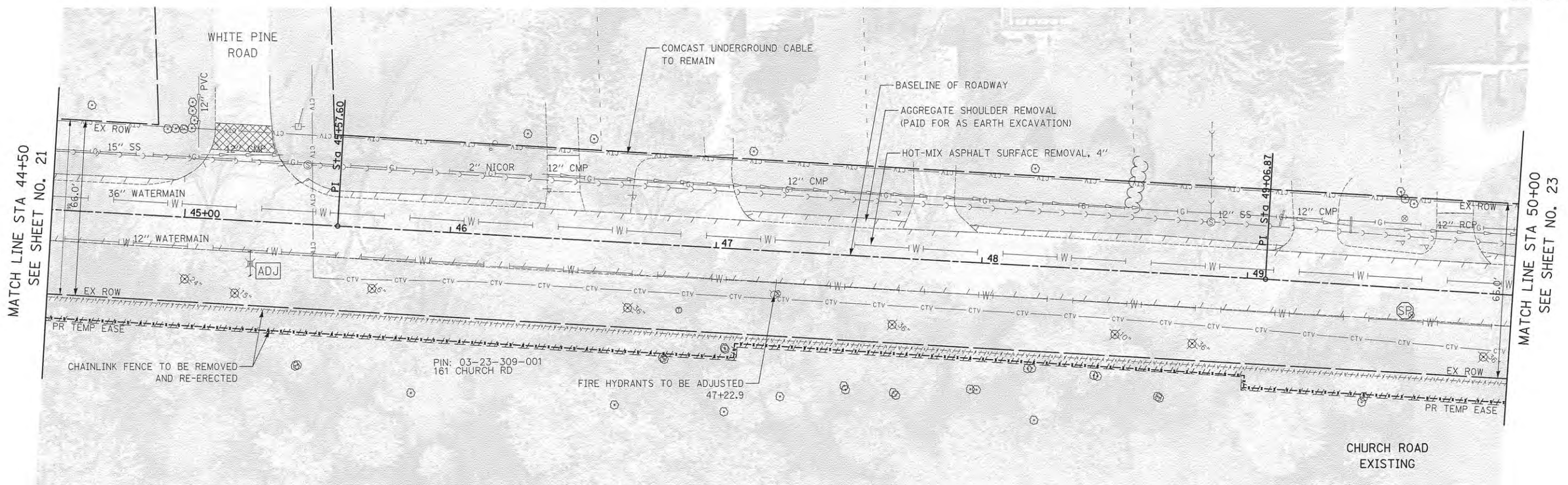
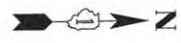
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ROADWAY PLAN

SHEET NO. 7 OF 11 SHEETS STA. 40+00 TO STA. 44+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	21
CONTRACT NO. 61C10				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



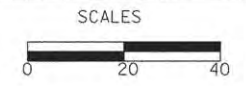
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PROFILE	REVISIONS	DATE
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DRAWN - TFS	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/12/2015	REVISED -

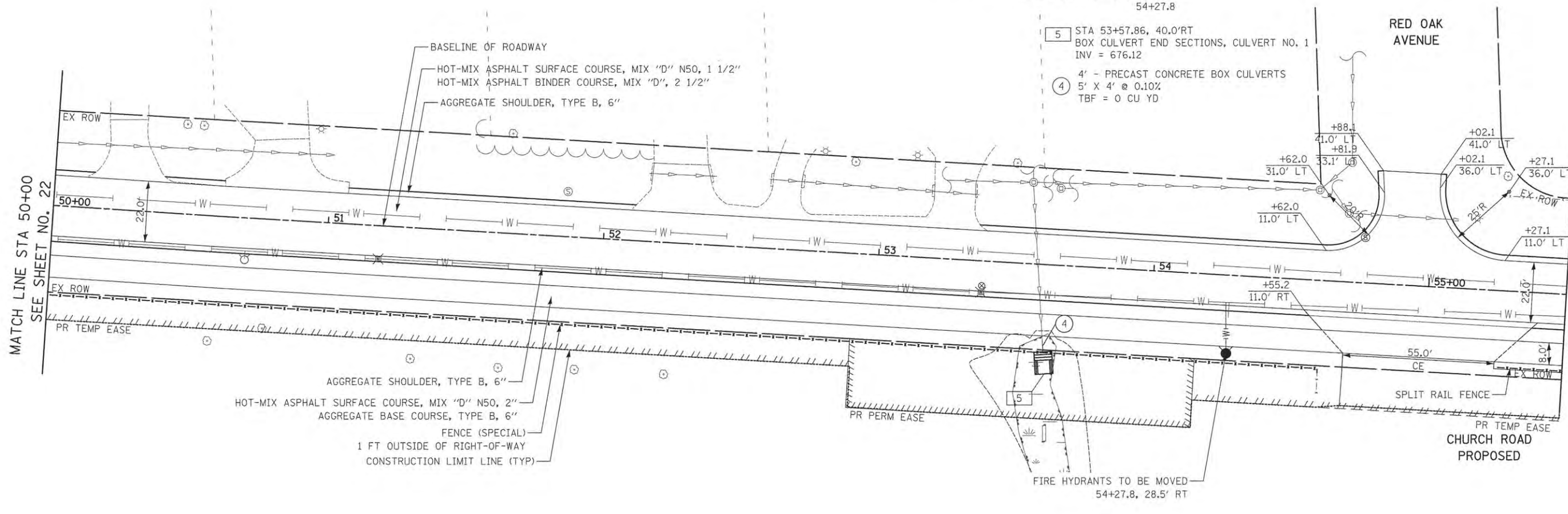
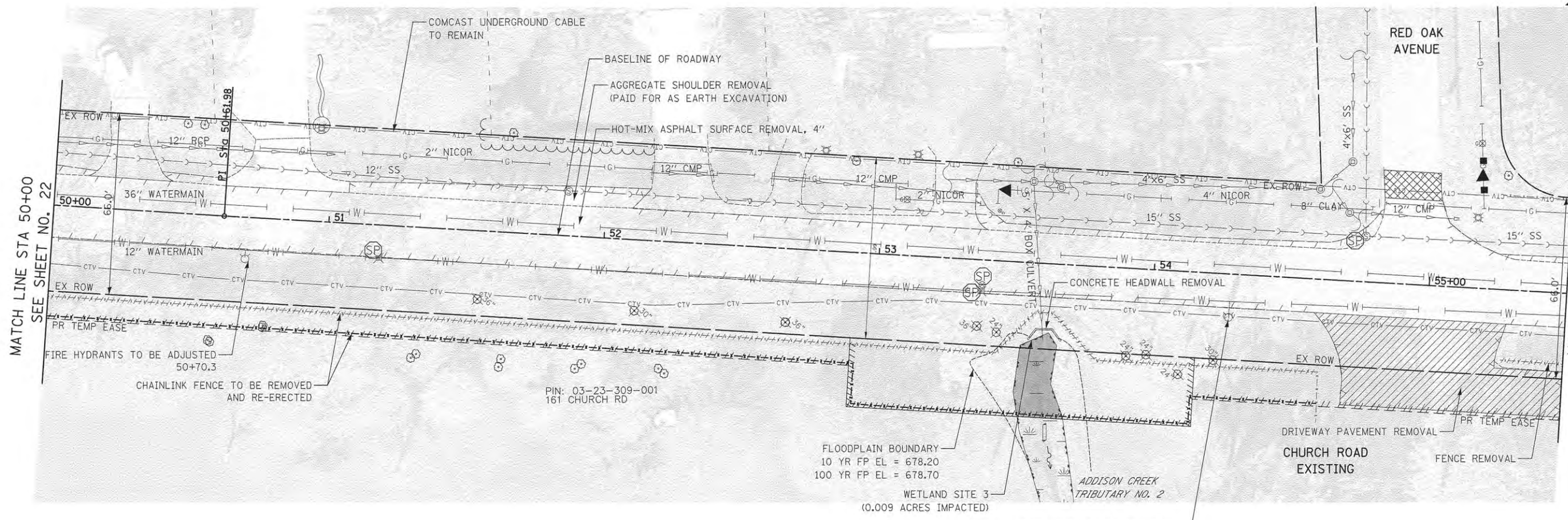
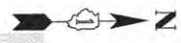
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ROADWAY PLAN

SHEET NO. 8 OF 11 SHEETS STA. 44+50 TO STA. 50+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	22
CONTRACT NO. 61C10				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



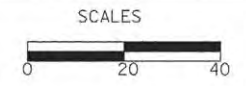
DATE	
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CHECKED - RTM	REVISED -
DATE - 10/12/2015	REVISED -

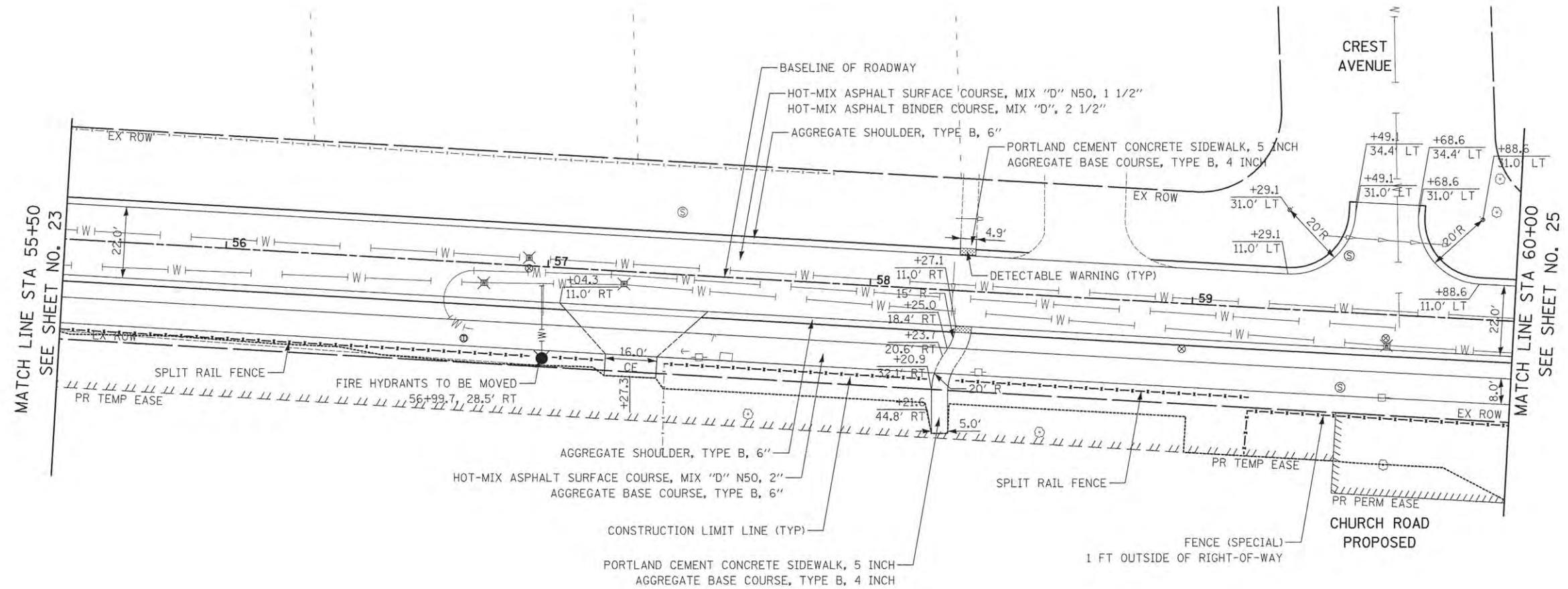
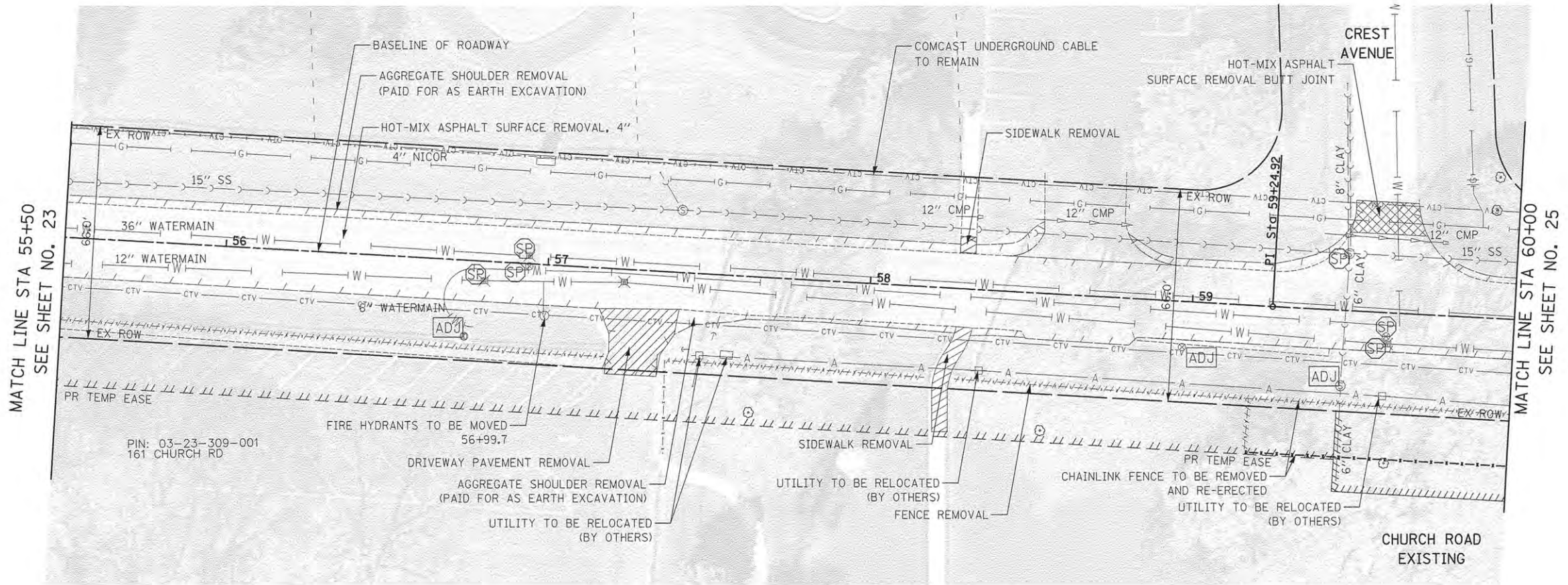
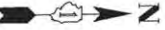
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ROADWAY PLAN

SHEET NO. 9 OF 11 SHEETS STA. 50+00 TO STA. 55+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	23
CONTRACT NO. 61C10				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



PLAN	DESIGNED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	NOTE BOOK	
	NO.	

PROFILE	DESIGNED	DATE
	PLOTTED	
	GRADES CHECKED	
	NOTE BOOK	
	NO.	

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CHECKED - RTM	REVISED -
DATE - 10/12/2015	REVISED -

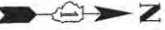
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ROADWAY PLAN

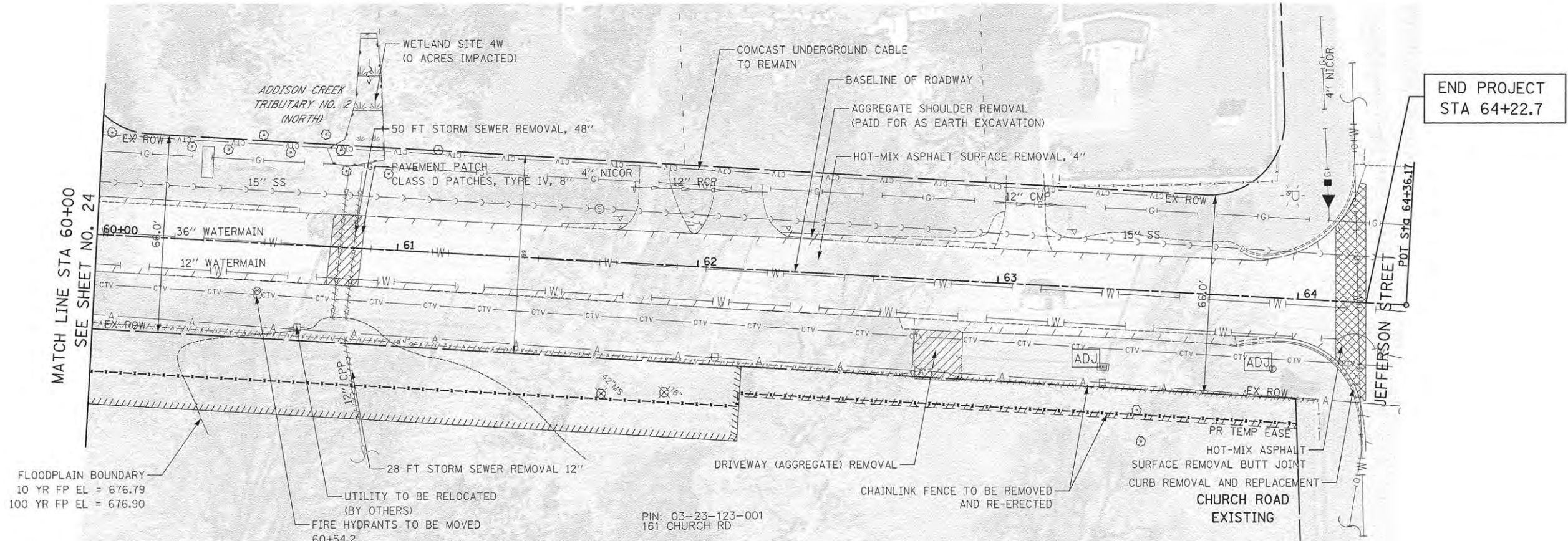
SHEET NO. 10 OF 11 SHEETS STA. 55+50 TO STA. 60+00

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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				CONTRACT NO. 61C10
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

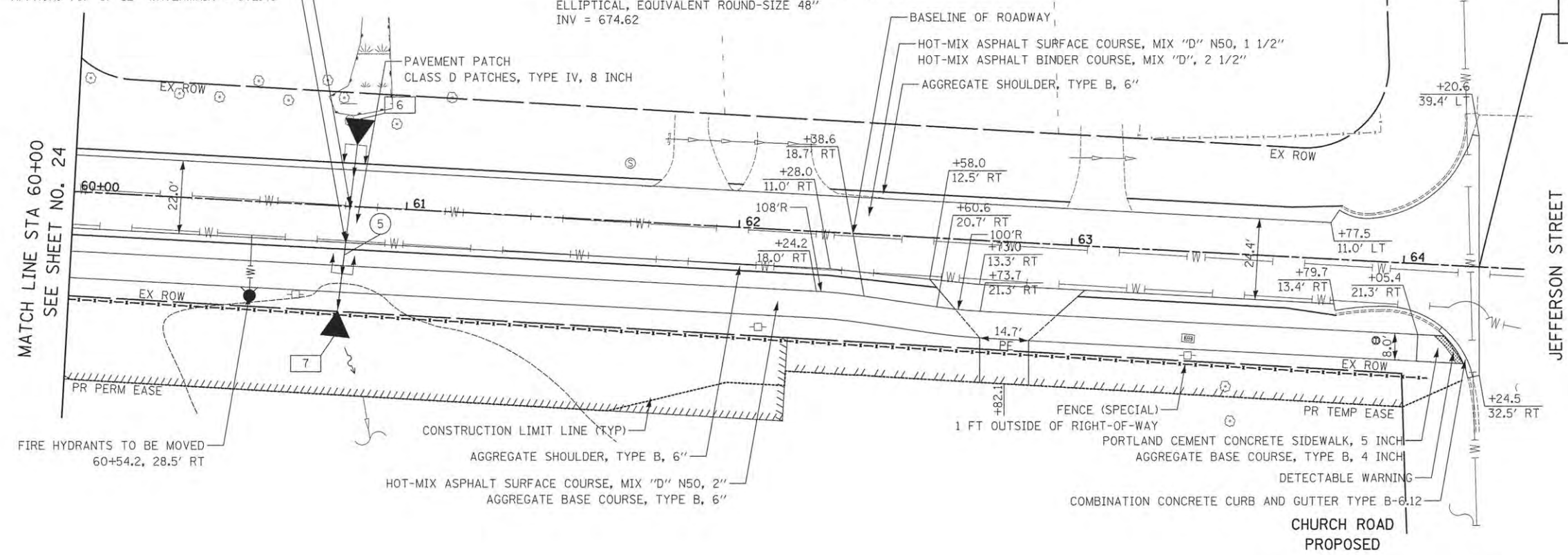


PLAN	DATE
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ALIGNMENT CHECKED	
NOTE BOOK NO.	
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NOTE BOOK NO.	
STRUCTURE NOTATIONS CHECKED	



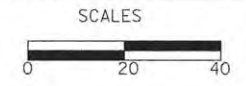
- PR EQUIVALENT ROUND-SIZE 48" CULVERT CROSSING - BOTTOM OF CULVERT = 674.90 APPROX. TOP OF 36" WATERMAIN = 673.75
- PR EQUIVALENT ROUND-SIZE 48" CULVERT CROSSING - BOTTOM OF CULVERT = 674.80 APPROX. TOP OF 12" WATERMAIN = 672.43
- 6 STA 60+83.32, 26.2'LT PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 48" INV = 675.06
- 7 STA 60+83.32, 39.3'RT PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 48" INV = 674.62
- 5 39' - STORM SEWER (WATER MAIN REQUIREMENTS) EQUIVALENT ROUND-SIZE 48 INCH @ 0.67% 11' - PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 48" @ 0.67% TBF = 28 CU YD



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DATE - 10/12/2015	REVISED -

**STATE OF ILLINOIS
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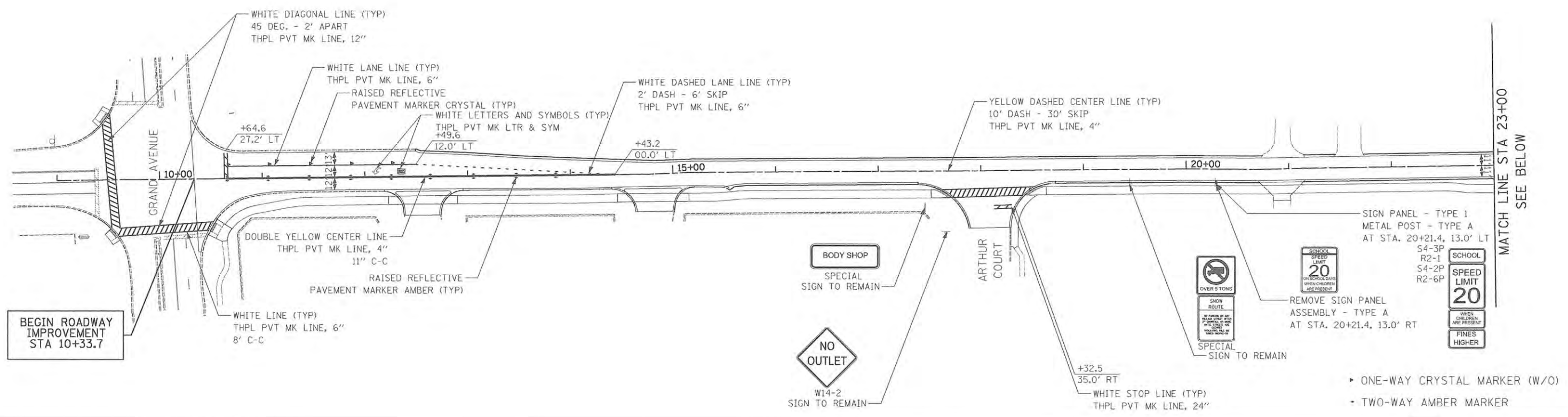
ROADWAY PLAN

SHEET NO. 11 OF 11 SHEETS STA. 60+00 TO STA. 64+36

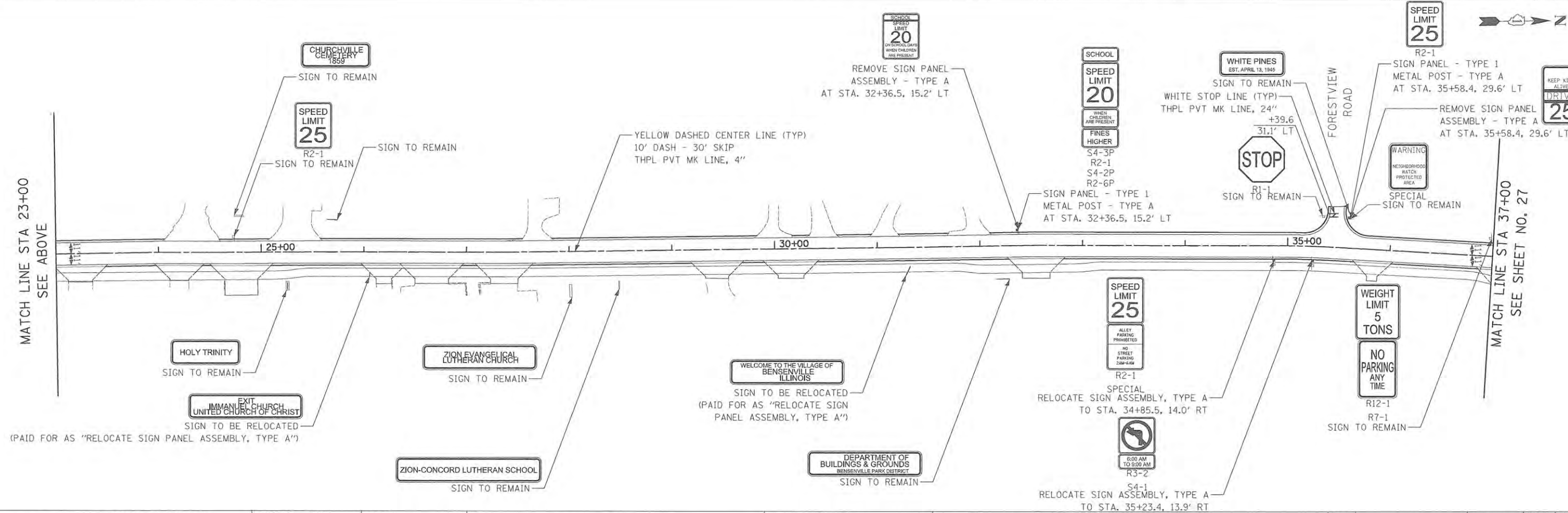
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	25
CONTRACT NO. 61C10				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	BY	DATE
	ALIGNED		
	CHECKED		
	NOTE BOOK		
	NO. OF WAY CHECKED		
	FILE NAME		

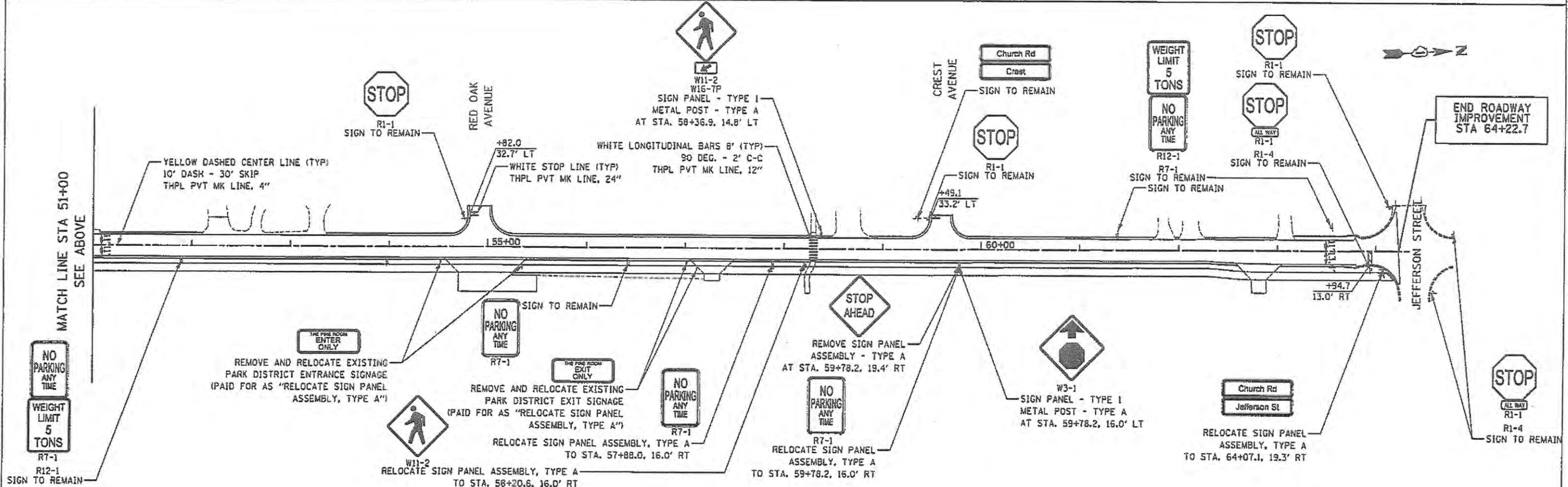
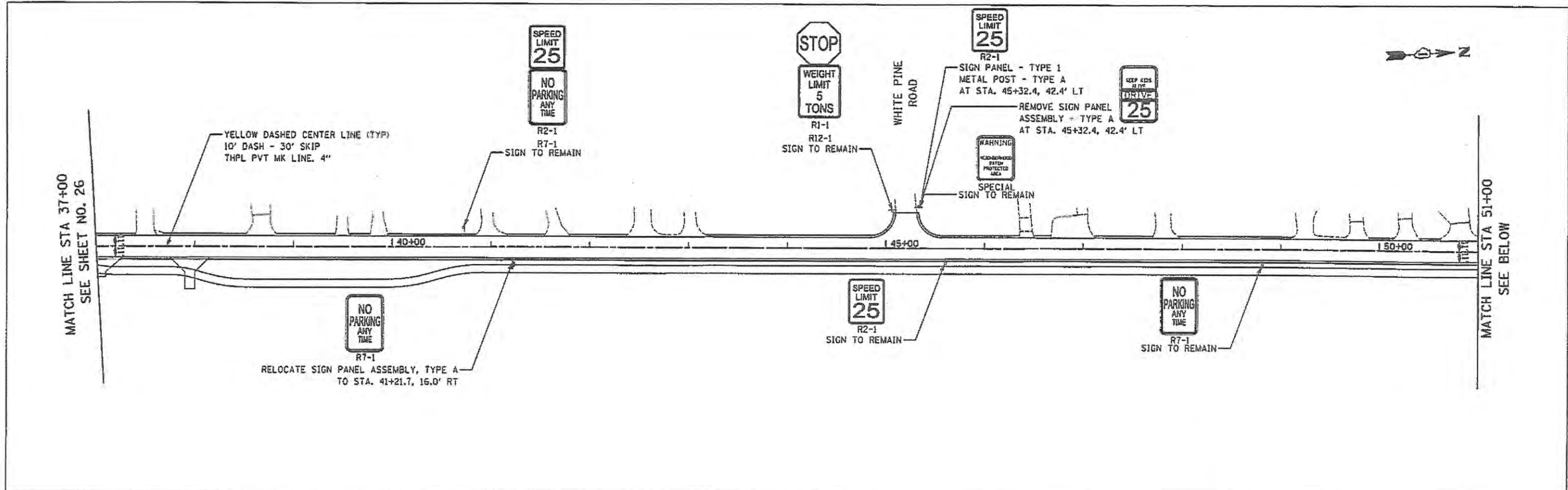


PROFILE	SURVEYED	BY	DATE
	UPGRADES CHECKED		
	REMARKS		
	NO. OF WAY CHECKED		
	FILE NAME		



PLAN
 SURVEYED
 PLANNED
 CHECKED
 BY, IF ANY CHECKED
 DATE

PROFILE
 SURVEYED
 PLANNED
 CHECKED
 BY, IF ANY CHECKED
 DATE

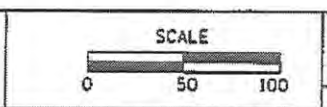


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 CHECKED - RTM
 DATE - 10/12/2015

REVISED -
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 REVISED -

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PAVEMENT MARKING AND SIGNING

SHEET NO. 2 OF 2 SHEETS STA. 37+00.0 TO STA. 64+22.7

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	27

CONTRACT NO. 61C10
 FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT

EROSION CONTROL PLAN

SEDIMENTATION AND EROSION CONTROL NOTES:

- A. SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- B. FOR THOSE DEVELOPMENTS THAT REQUIRE A DESIGNATED EROSION CONTROL INSPECTOR (DECI), INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
 - UPON COMPLETION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
 - AFTER EVERY SEVEN (7) CALENDAR DAYS OR STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
- C. SOIL DISTURBANCE SHALL BE CONDUCTED IN A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE PERMITEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- D. A STABILIZED MAT OF CRUSHED STONE MEETING IDOT GRADATION CA-1 UNDERLAIN WITH FILTER FABRIC AND IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL, OR OTHER APPROPRIATE MEASURE(S) AS APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- E. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN.
- F. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR REDISTURBANCE.
- G. ALL STOCKPILES SHALL HAVE APPROPRIATE MEASURES TO PREVENT EROSION. STOCKPILES SHALL NOT BE PLACED IN FLOOD PRONE AREAS OR WETLANDS AND DESIGNATED BUFFERS.
- H. SLOPES STEEPER THAN 3H:1V SHALL BE STABILIZED WITH APPROPRIATE MEASURES AS APPROVED BY THE ENFORCEMENT OFFICER.
- I. APPROPRIATE EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN THE NORMAL WATER LEVEL AND HIGH WATER LEVEL.
- J. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
- K. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DISCHARGES SHALL BE ROUTED THROUGH AN APPROVED ANIONIC POLYMER DEWATERING SYSTEM OR A SIMILAR MEASURE AS APPROVED BY THE ENFORCEMENT OFFICER. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE ENFORCEMENT OFFICER, OR APPROVED REPRESENTATIVE, MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- L. IF INSTALLED EROSION AND SEDIMENT CONTROL MEASURES DO NOT MINIMIZE SEDIMENT LEAVING THE DEVELOPMENT SITE, ADDITIONAL MEASURES SUCH AS ANIONIC POLYMERS OR FILTRATION SYSTEMS MAY BE REQUIRED BY THE ENFORCEMENT OFFICER.
- M. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.
- N. ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
- O. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, OR OTHER GOVERNING AGENCY.
- P. ESTIMATED QUANTITIES HAVE BEEN PROVIDED FOR EROSION CONTROL MEASURES TO BE USED AT THE DIRECTION OF THE RESIDENT ENGINEER.
- Q. PERIMETER EROSION BARRIER SHALL BE INSTALLED ONE (1) FOOT FROM RIGHT-OF-WAY OR EASEMENT UNLESS OTHERWISE NOTED ON THE PLANS. REFERENCE THE PLAT OF HIGHWAY SHEETS FOR STATIONS AND OFFSETS.
- R. SEE LANDSCAPING RESTORATION/EROSION CONTROL SHEETS FOR RIPRAP CLASSES AND QUANTITIES.
- S. QUANTITIES OF EROSION CONTROL MAT, FLOATING SILT CURTAIN, FLOCCULATION LOGS, AND FLOCCULATION POWDER HAVE BEEN PROVIDED AND ARE TO BE MADE AVAILABLE FOR USE AT THE DIRECTION OF THE RESIDENT ENGINEER.
- T. PERMANENT DITCH CHECKS AND TEMPORARY SEDIMENT TRAPS SHALL BE PAID FOR AS EARTH EXCAVATION, STONE RIPRAP CLASS A2, STONE RIPRAP CLASS A4, AND FILTER FABRIC.

NPDES STATEMENT:

THIS PROJECT DISTURBS 3.2 ACRES OF TOTAL LAND AREA. COMPLIANCE WITH THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER PERMIT IS ONLY NECESSARY IF A PROJECT DISTURBS 1.0 OR MORE ACRES OF TOTAL LAND AREA; AN NPDES STORMWATER PERMIT IS REQUIRED FOR THIS PROJECT.

TYPICAL CONSTRUCTION SEQUENCE (PER STAGE)

1. INSTALLATION OF SOIL EROSION AND SEDIMENT CONTROL SE/SC MEASURES
 - A. SELECTIVE VEGETATION REMOVAL FOR SILT FENCE INSTALLATION
 - B. SILT FENCE INSTALLATION
 - C. CONSTRUCTION FENCING AROUND AREAS NOT TO BE DISTURBED
 - D. STABILIZED CONSTRUCTION ENTRANCE
2. TREE REMOVAL WHERE NECESSARY (CLEAR & GRUB)
3. CONSTRUCT SEDIMENT TRAPPING DEVICES (SEDIMENT TRAPS, BASINS, ETC.)
4. CONSTRUCT DETENTION FACILITIES AND OUTLET CONTROL STRUCTURE WITH RESTRICTOR & TEMPORARY PERFORATED RISER
5. STRIP TOPSOIL, STOCKPILE TOPSOIL AND GRADE SITE
6. TEMPORARILY STABILIZE TOPSOIL STOCKPILES (SEED AND SILT FENCE AROUND TOE OF SLOPE)
7. INSTALL STORM SEWER, SANITARY SEWER, WATER AND ASSOCIATED INLET & OUTLET PROTECTION
8. PERMANENTLY STABILIZE DETENTION BASIN WITH SEED AND EROSION CONTROL BLANKET
9. TEMPORARILY STABILIZE ALL AREAS INCLUDING LOTS THAT HAVE REACHED TEMPORARY GRADE
10. ~~INSTALL RETAINING WALLS. FILL PLACEMENT ALONG THE WALLS SHALL ONLY OCCUR AFTER THE WALL HAS BEEN CONSTRUCTED TO PREVENT THE MIGRATION OF SEDIMENT OUTSIDE OF THE PROJECT LIMITS.~~
11. INSTALL ROADWAYS
12. PERMANENTLY STABILIZE ALL OUTLOT AREAS
13. INSTALL STRUCTURES AND GRADE INDIVIDUAL LOTS
14. PERMANENTLY STABILIZE LOTS
15. REMOVE ALL TEMPORARY SE/SC MEASURES AFTER THE SITE IS STABILIZED WITH VEGETATION

*SOIL EROSION AND SEDIMENT CONTROL INSPECTIONS MUST OCCUR AT LEAST ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS OR THE END OF THE FOLLOWING BUSINESS DAY OF A 1/2" OR GREATER RAINFALL EVENT.

I. DES PLAINES RIVER WATERSHED

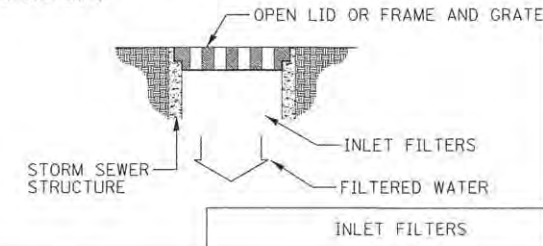
1. Willow Creek
2. Bensenville Ditch
3. Flagg Creek
4. Des Plaines Tribs
5. Black Partridge
5. Addison Creek



ESTIMATED QUANTITIES:

- 370 FEET - TEMPORARY CONSTRUCTION FENCE
- 4,092 FEET - PERIMETER EROSION BARRIER
- 6 EACH - INLET AND PIPE PROTECTION
- 5 EACH - INLET FILTERS
- 1.25 ACRE - SEEDING, CLASS 1
- 0.25 ACRE - SEEDING, CLASS 4
- 2,254 SQ YD - SODDING, SALT TOLERANT
- 6,746 SQ YD - EROSION CONTROL BLANKET
- 10 EACH - FLOCCULATION LOGS
- 1 POUND - FLOCCULATION POWDER
- 25 EACH - TREE PROTECTION & PRESERVATION
- 84 FEET - TEMPORARY DITCH CHECKS
- 183 SQ YD - STONE RIPRAP CLASS A4
- 183 SQ YD - STONE RIPRAP CLASS A1
- 183 SQ YD - FILTER FABRIC

NOTE:
ALL OPEN LID MANHOLES, INLETS AND CATCH BASINS REGARDLESS OF WHETHER THEY ARE DESIGNATED TO BE PROTECTED WITH INLET AND PIPE PROTECTION, ARE TO USE A DRAINAGE STRUCTURE INLET FILTER ASSEMBLY, CONSISTING OF A FRAME AND FILTER BAG, TO COLLECT SEDIMENT IN THE SURFACE STORMWATER RUNOFF AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE PAID FOR SEPARATELY.



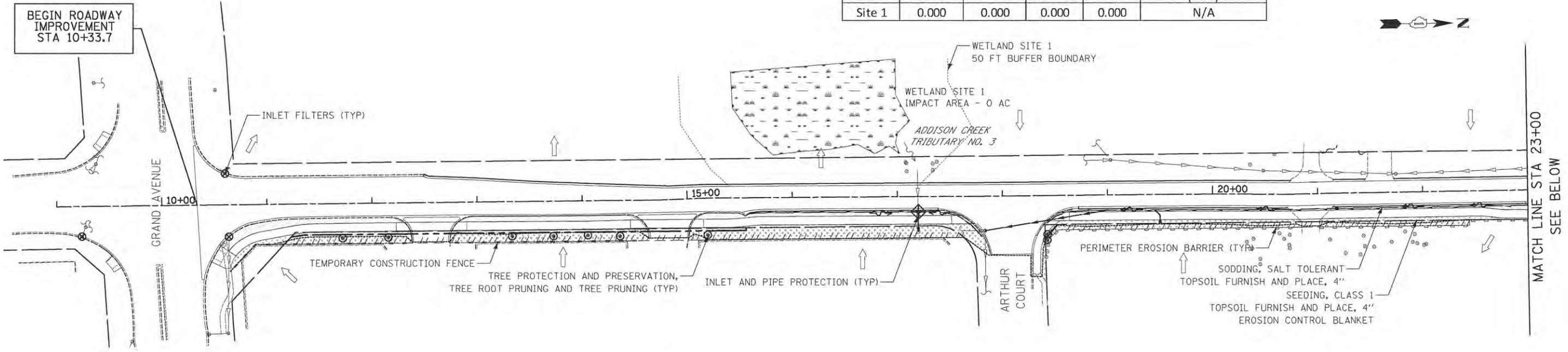
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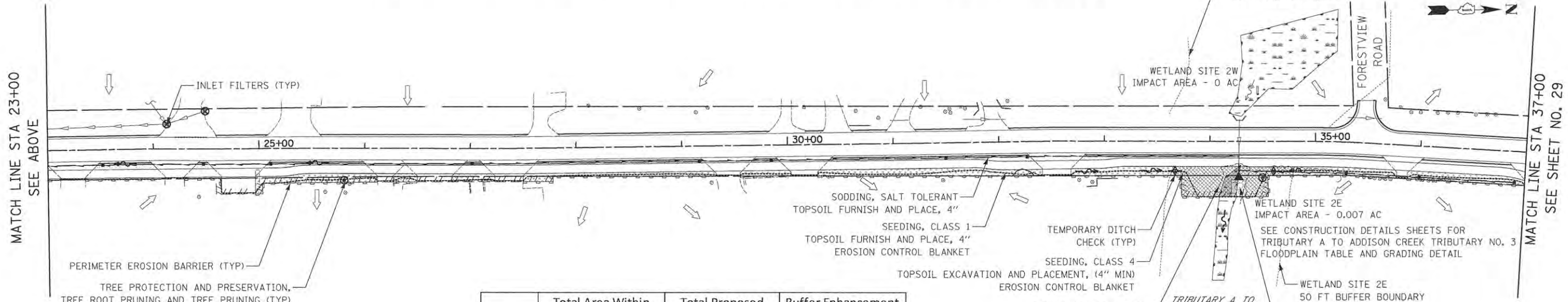
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Site Number	Total Area Within ROW and Easements (acre)		Total Proposed Impacts (acre)		Buffer Enhancement Area in ROW and Easements (acre)
	Wetland	Buffer	Wetland	Buffer	
Site 1	0.000	0.000	0.000	0.000	N/A



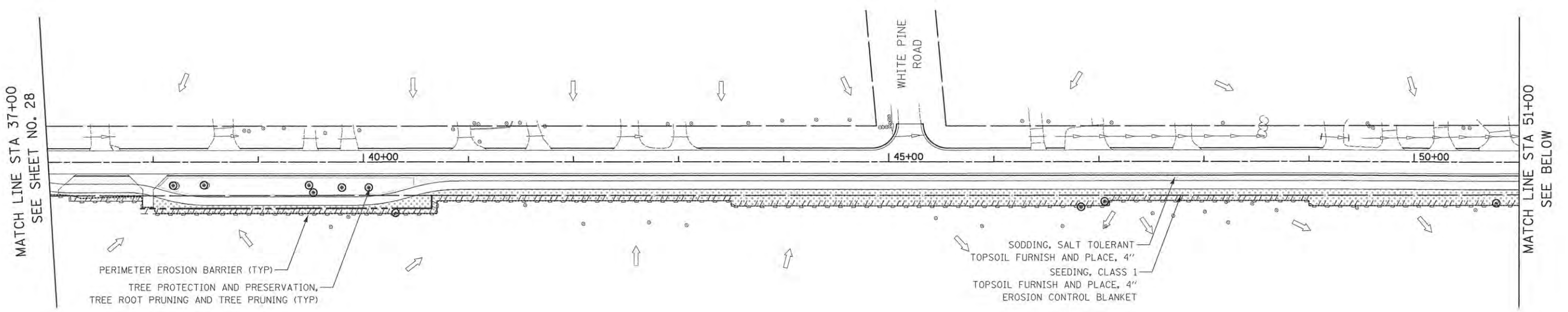
LEGEND

- ROADWAY DITCH FLOW
- OVERLAND FLOW DIRECTION
- TEMPORARY DITCH CHECKS
- INLET AND PIPE PROTECTION (PAID FOR AS 1 INLET FILTER AND 16 LF OF PERIMETER EROSION BARRIER PER IDOT STANDARD 280001-07)
- INLET FILTERS
- TEMPORARY CONSTRUCTION FENCE
- PERIMETER EROSION BARRIER
- EXISTING TREES
- TREE PROTECTION & PRESERVATION, TREE ROOT PRUNING AND TREE PRUNING (AT THE DIRECTION OF ENGINEER)
- SODDING, SALT TOLERANT TOPSOIL FURNISH AND PLACE, 4"
- SODDING, SALT TOLERANT TOPSOIL FURNISH AND PLACE, 4" EROSION CONTROL BLANKET
- SEEDING, CLASS 4 TOPSOIL EXCAVATION AND PLACEMENT (4" MINIMUM) EROSION CONTROL BLANKET
- SEEDING, CLASS 1 TOPSOIL FURNISH AND PLACE, 4" RIPRAP CLASS A4 RIPRAP CLASS A1 FILTER FABRIC

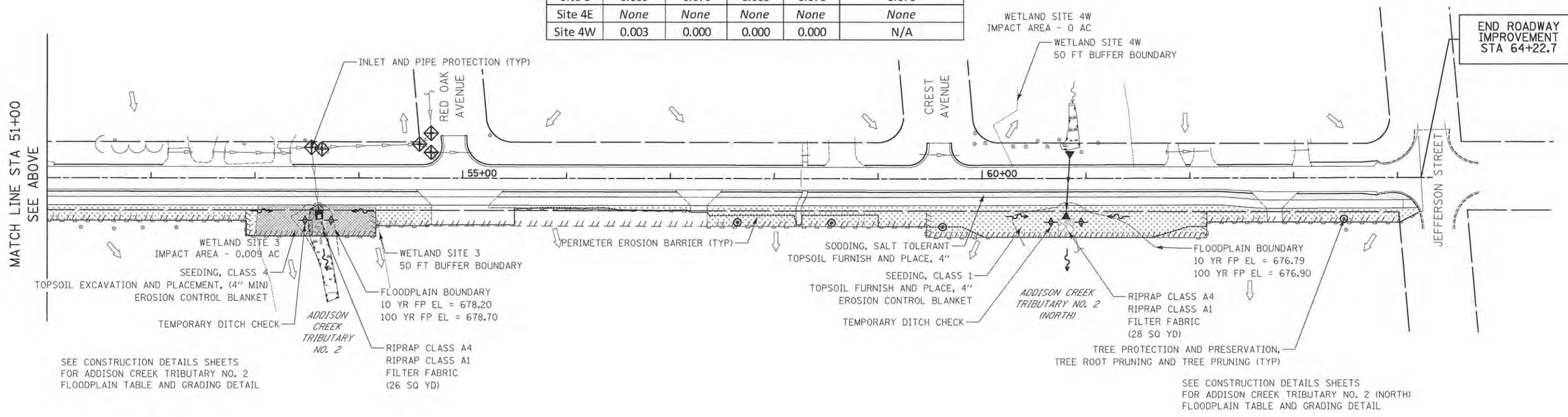


Site Number	Total Area Within ROW and Easements (acre)		Total Proposed Impacts (acre)		Buffer Enhancement Area in ROW and Easements (acre)
	Wetland	Buffer	Wetland	Buffer	
Site 2E	0.007	0.058	0.007	0.058	0.058
Site 2W	0.003	0.000	0.000	0.000	N/A

NOTE:
1. SEEDING, CLASS 4 TO BE USED WITHIN 50' OF THE REMAINING WETLAND AREAS TO PROVIDE A BUFFER.



Site Number	Total Area Within ROW and Easements (acre)		Total Proposed Impacts (acre)		Buffer Enhancement Area in ROW and Easements (acre)
	Wetland	Buffer	Wetland	Buffer	
Site 3	0.009	0.070	0.009	0.070	0.070
Site 4E	None	None	None	None	None
Site 4W	0.003	0.000	0.000	0.000	N/A



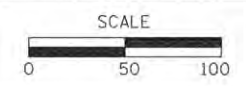
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CIVILTECH
450 E Devon Ave, Suite 300
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED - JRR	REVISED - 12/16/2015
DRAWN - TFS	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/12/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



LANDSCAPING RESTORATION / EROSION CONTROL

SHEET NO. 3 OF 3 SHEETS STA. 37+00.0 TO STA. 64+22.7

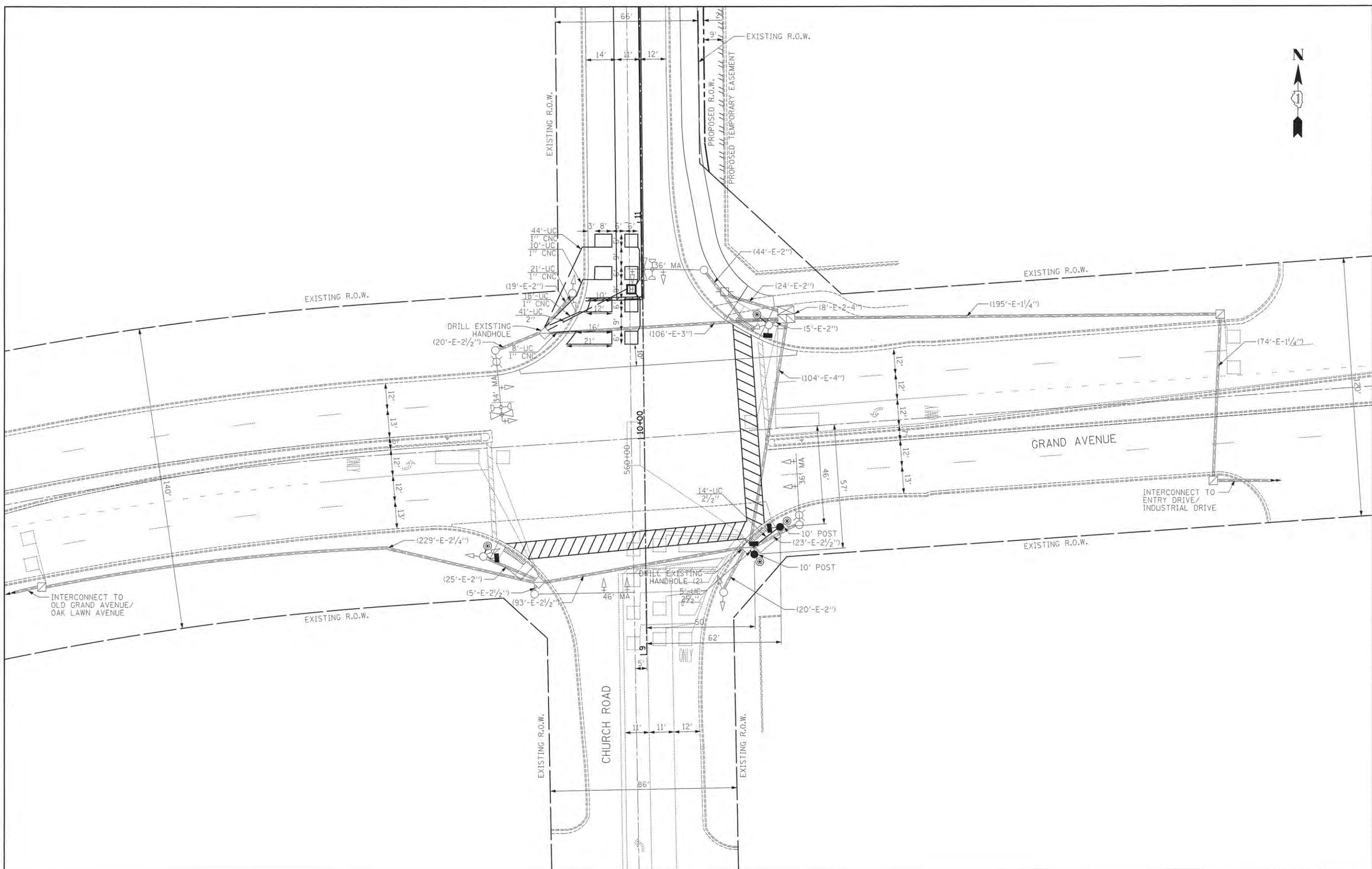
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	30
CONTRACT NO. 61C10				

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



PLAN	DESIGNED	DATE
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	ALIGNMENT CHECKED	
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PROFILE	DESIGNED	DATE
	PLOTTED	
	GRADES CHECKED	
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DRAWN	- LEP	REVISED	-
CHECKED	- JJE	REVISED	-
DATE	- 10/12/2015	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



TRAFFIC SIGNAL MODIFICATION PLAN
 GRAND AVENUE AT CHURCH ROAD

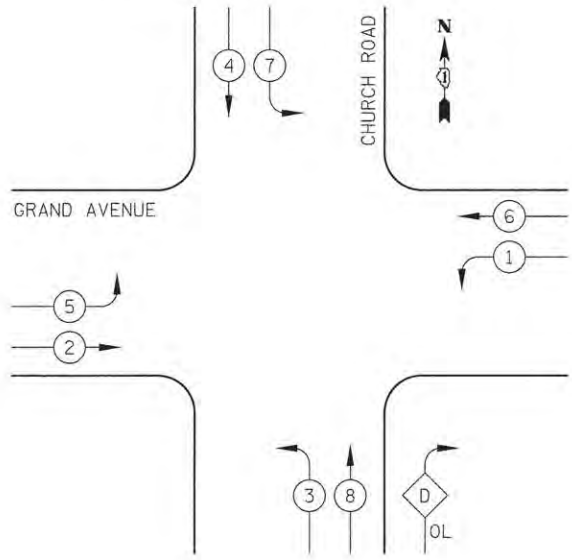
SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	31
CONTRACT NO. 61C10				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

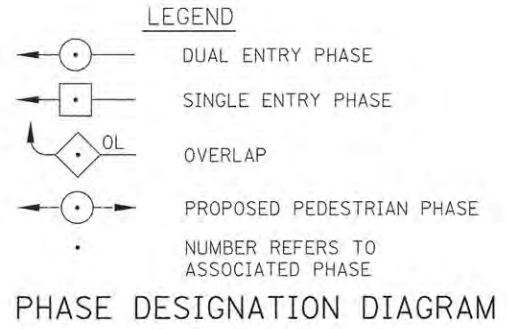
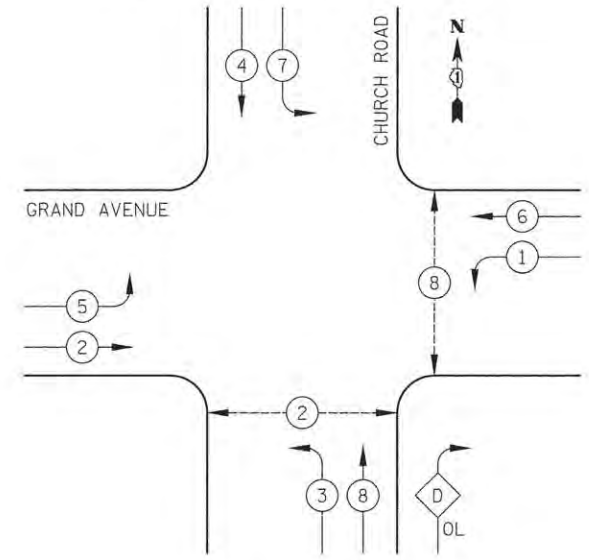
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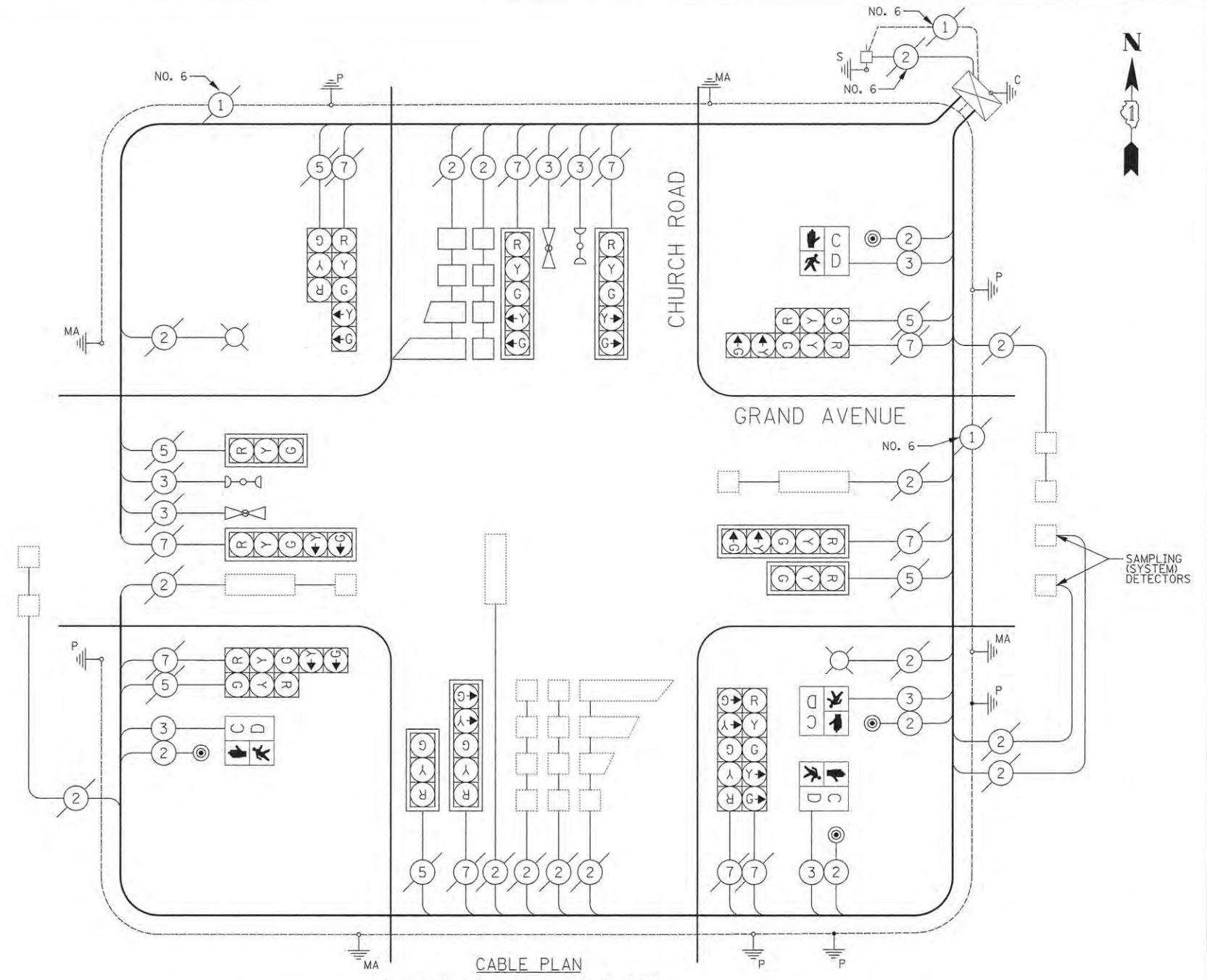
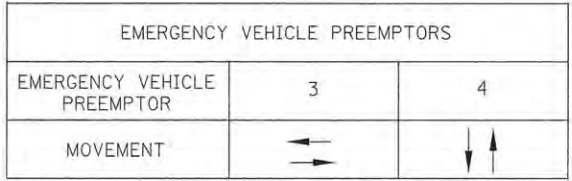
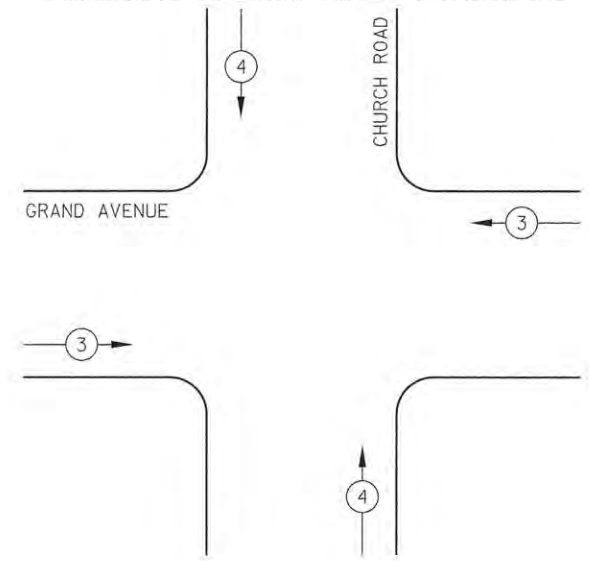
EXISTING CONTROLLER SEQUENCE



PROPOSED CONTROLLER SEQUENCE



EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



CABLE PLAN SCHEDULE OF QUANTITIES

CODE NO.	PAY ITEM	QNTY.	UNIT
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL 2" DIA.	FOOT	41
81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL 2 1/2" DIA.	FOOT	19
81400200	HEAVY-DUTY HANDHOLE	EACH	1
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	626
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	642
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	186
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	29
87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	8
87900200	DRILL EXISTING HANDHOLE	EACH	3
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
88600100	DETECTOR LOOP, TYPE 1	FOOT	289
88800100	PEDESTRIAN PUSH-BUTTON	EACH	4
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	276

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	16		17	0.50	136
(YELLOW)	16		25	0.25	100
(GREEN)	16		15	0.25	60
ARROW	20		12	0.10	24
PED. SIGNAL	4		25	1.00	100
CONTROLLER	1		100	1.00	100
LUMINAIRE	2	400		0.50	400
FLASHER				0.50	
TOTAL =					920

ENERGY COSTS TO: DUPAGE COUNTY DIVISION OF TRANSPORTATION
421 N. COUNTY FARM ROAD
WHEATON, IL 60187



DESIGNED - LEP	REVISED -
DRAWN - LEP	REVISED -
CHECKED - JJE	REVISED -
DATE - 10/12/2015	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

CABLE PLAN, SEQUENCES AND SCHEDULE OF QUANTITIES
GRAND AVENUE AT CHURCH ROAD

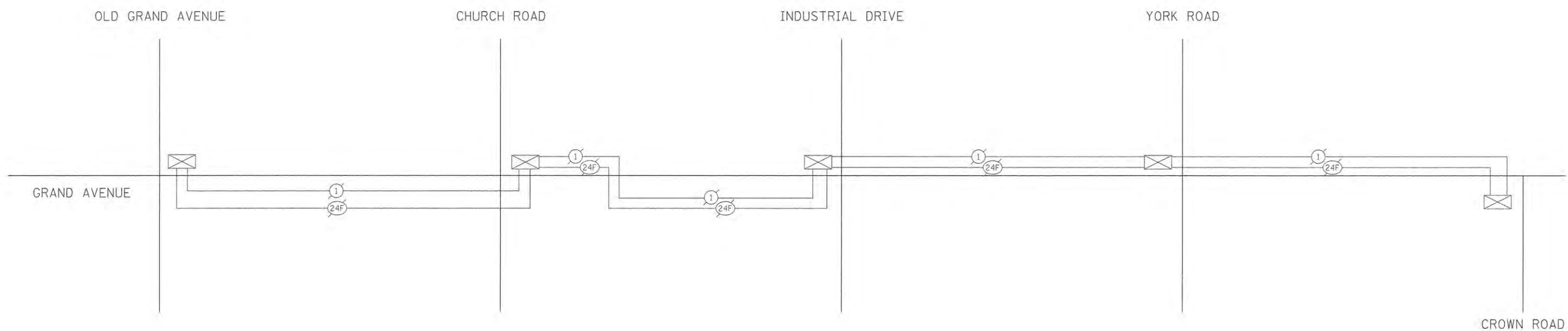
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F.A.U. RTE. 2667	SECTION 13-00089-00-WR	COUNTY DUPAGE	TOTAL SHEETS 76	SHEET NO. 32
CONTRACT NO. 1800000				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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PROFILE	SUBMITTED	DATE
NOTE BOOK NO.	BY	
	GRADES CHECKED	
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	DATE	
	STRUCTURE NOTATIONS CHKD	



INTERCONNECT SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QNTY.
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM - LEVEL I	EACH	1



450 E Devon Ave, Suite 300
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DATE - 10/12/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT SCHEMATIC
GRAND AVENUE

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	33
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61C10	

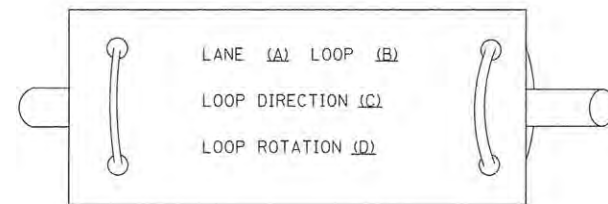
TRAFFIC SIGNAL LEGEND

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 SM24F																						
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE																						
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH				CONTROLLER CABINET AND FOUNDATION TO BE REMOVED																						
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)				STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED																						
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM				ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED																						
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM				STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED																						
SIGNAL POST				REMOVE ITEM				SIGNAL POST AND FOUNDATION TO BE REMOVED																						
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM				INTERSECTION & SAMPLING (SYSTEM) DETECTOR																						
GUY WIRE				ABANDON ITEM				SAMPLING (SYSTEM) DETECTOR																						
SIGNAL HEAD				12" (300mm) TRAFFIC SIGNAL SECTION				QUEUE DETECTOR																						
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				PREFORMED QUEUE DETECTOR																						
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR																						
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD				PREFORMED SAMPLING (SYSTEM) DETECTOR																						
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				"RB" INDICATES REFLECTIVE BACKPLATE				<h2>RAILROAD SYMBOLS</h2> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">EXISTING</th> <th style="width: 33%;">PROPOSED</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>			EXISTING	PROPOSED																		
EXISTING	PROPOSED																													
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL																										
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																														

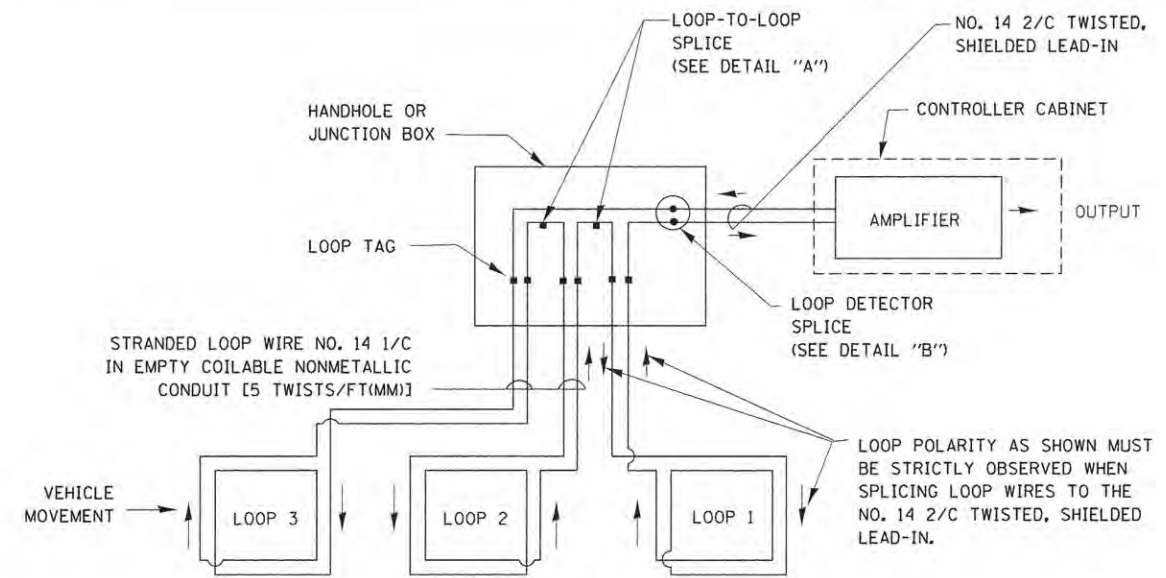
LOOP DETECTOR NOTES

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

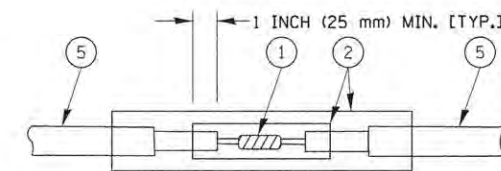


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

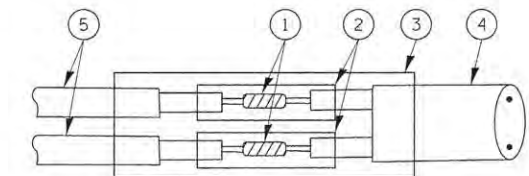


DETECTOR LOOP WIRING SCHEMATIC

- 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.

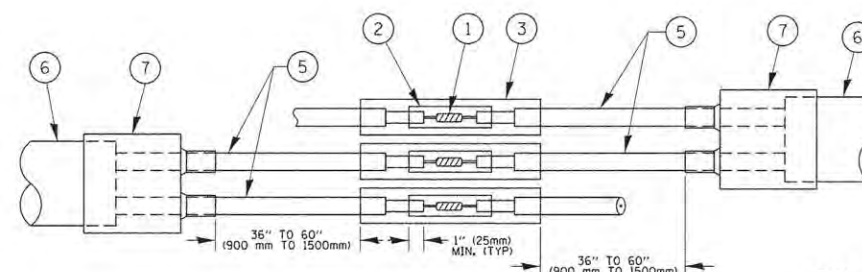


DETAIL "A"
LOOP-TO-LOOP SPLICE

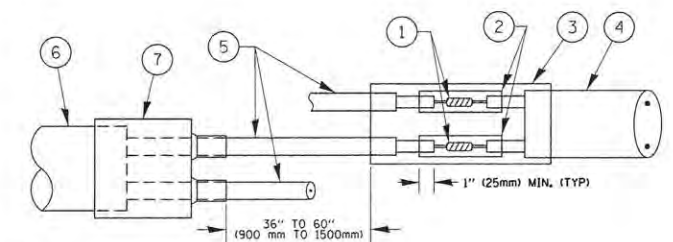


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

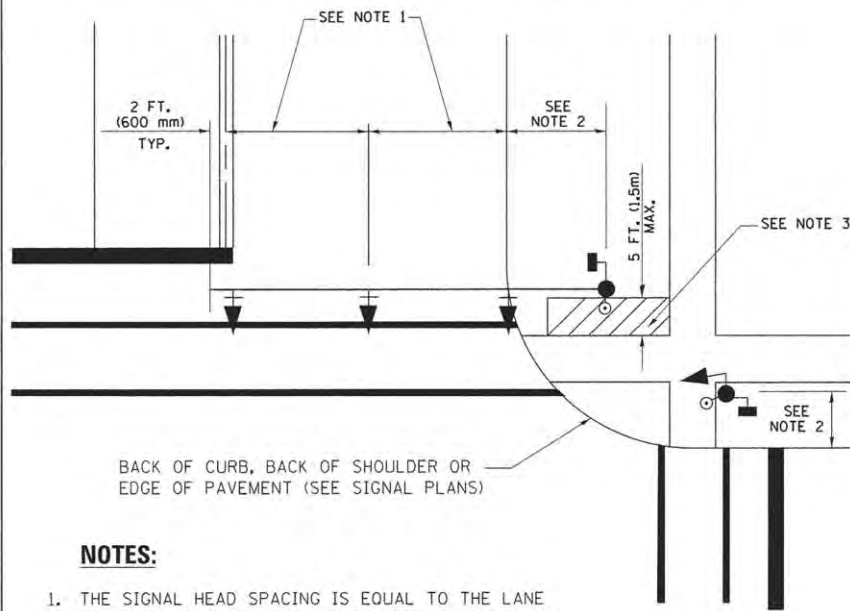
PREFORMED LOOP

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

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.U. RTE. 2667	SECTION 13-00089-00-WR	COUNTY DUPAGE	TOTAL SHEETS 76	SHEET NO. 35	
CONTRACT NO. 61C10	SCALE: NONE	CHECKED - DAD	REVISED -			SHEET NO. 2 OF 7 SHEETS	STA. TO STA.	TS-05		CONTRACT NO. 61C10	
		DATE - 10-28-09	REVISED -					ILLINOIS FED. AID PROJECT			

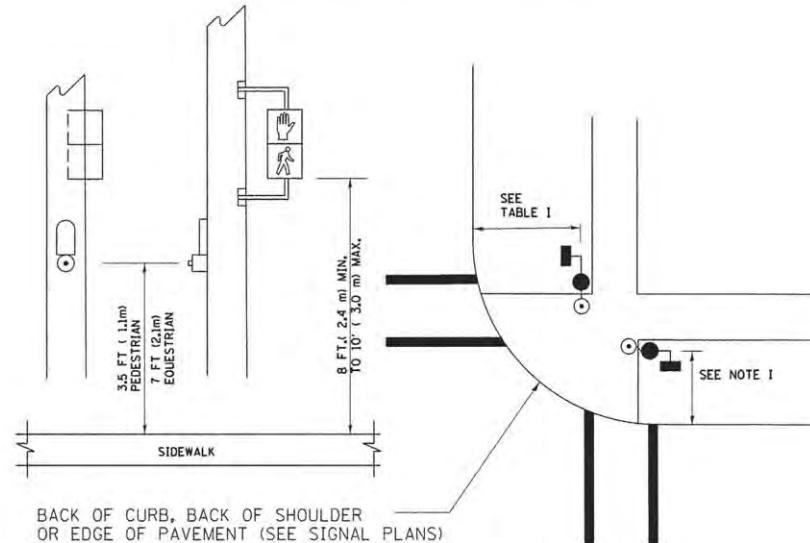
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



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."

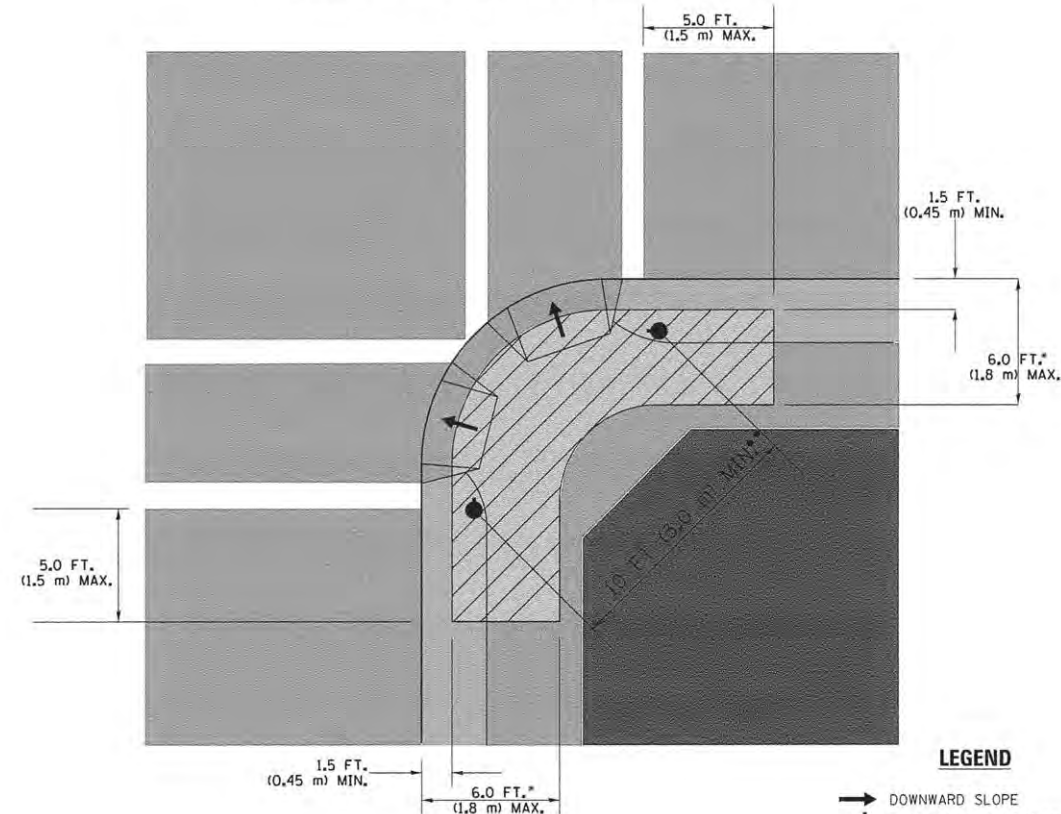
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



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



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- 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:

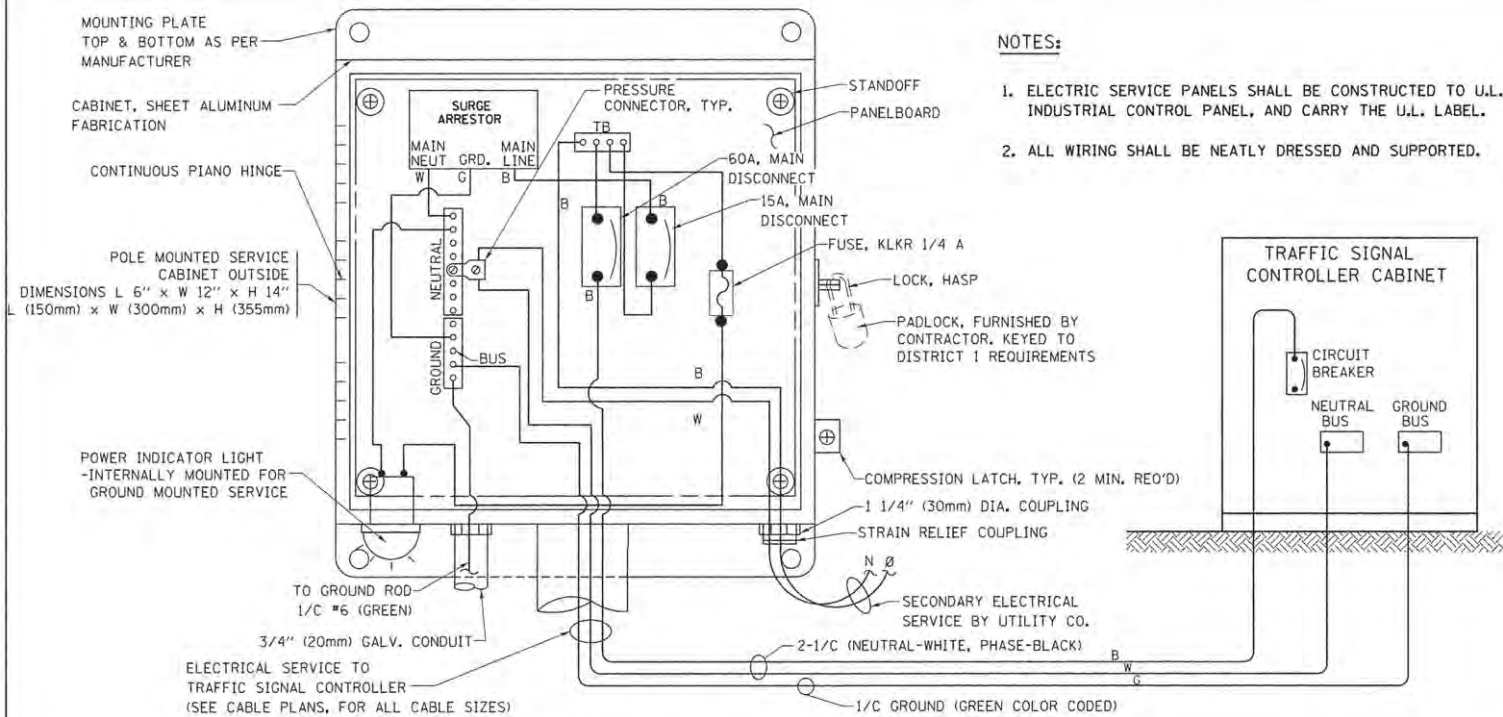
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM 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

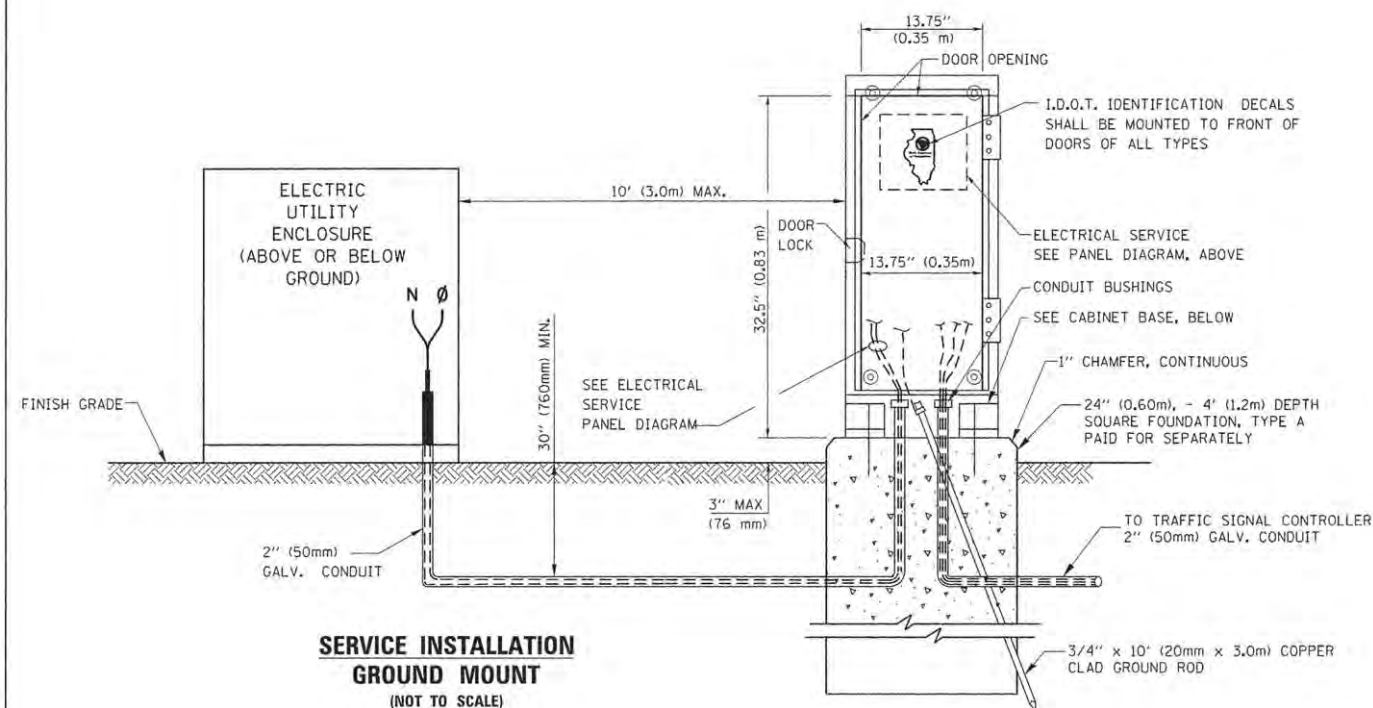
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 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:

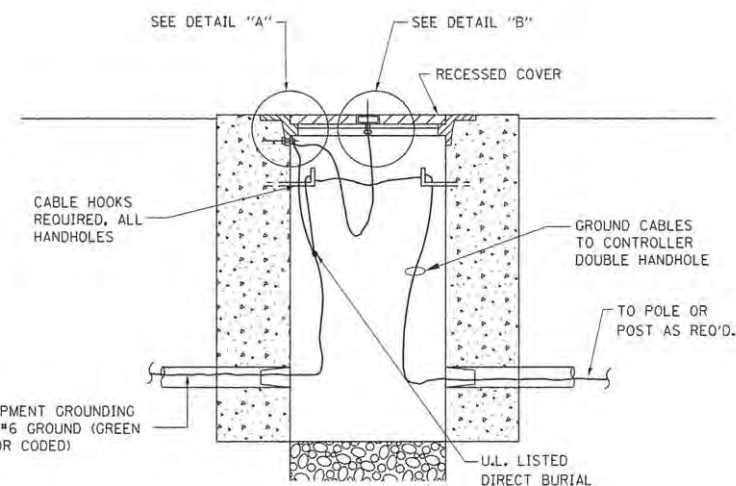
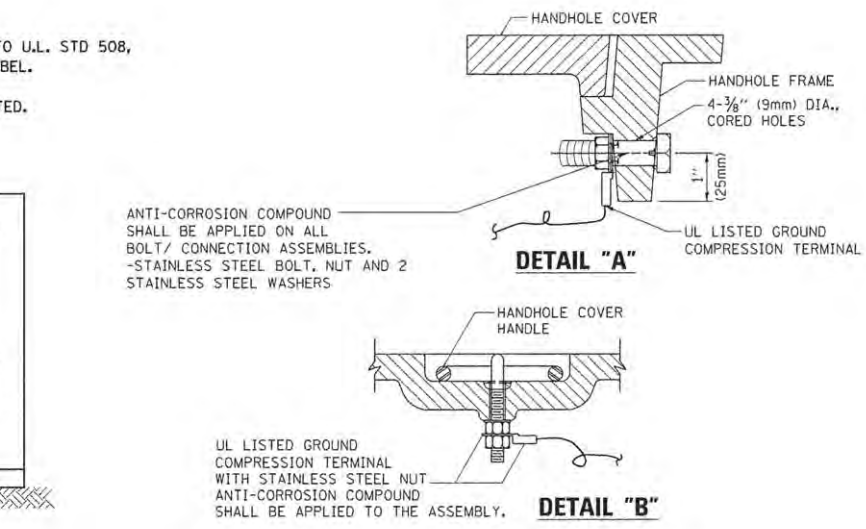
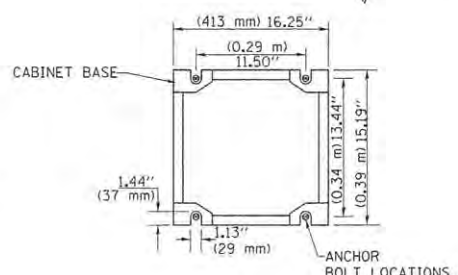
1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM 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.



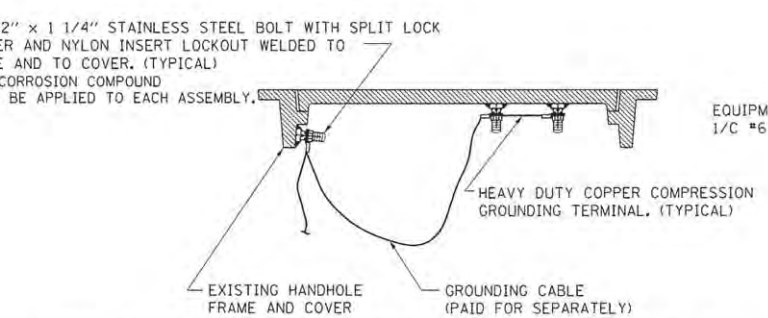
ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



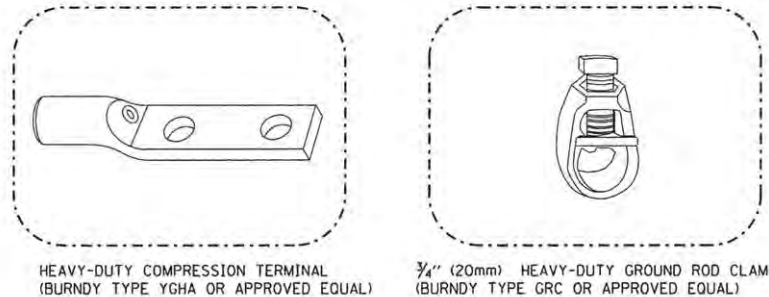
CABINET - BASE BOLT PATTERN
 (NOT TO SCALE)



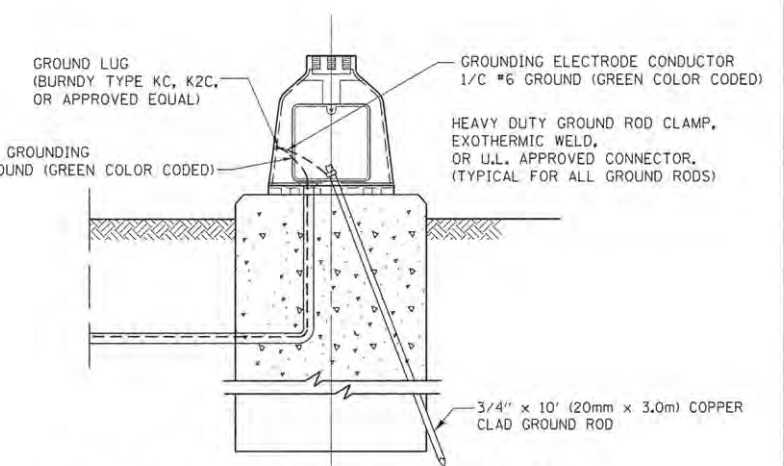
HANDHOLE COVER & FRAME - GROUNDING DETAIL
 (NOT TO SCALE)



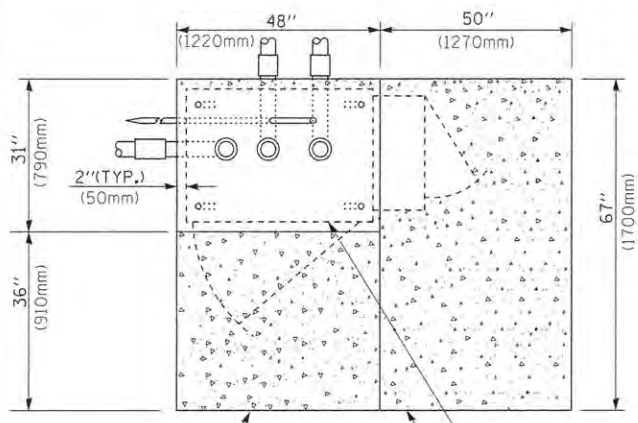
EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL
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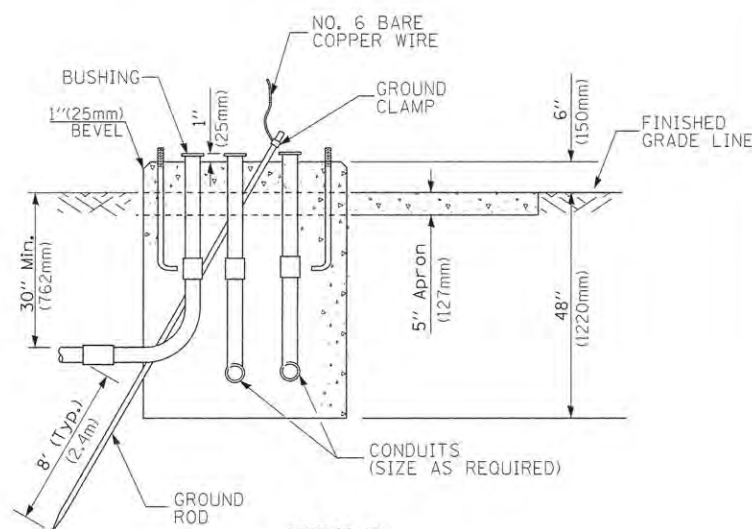
- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
 - 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
 - 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
 - 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND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



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



TOP VIEW



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

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

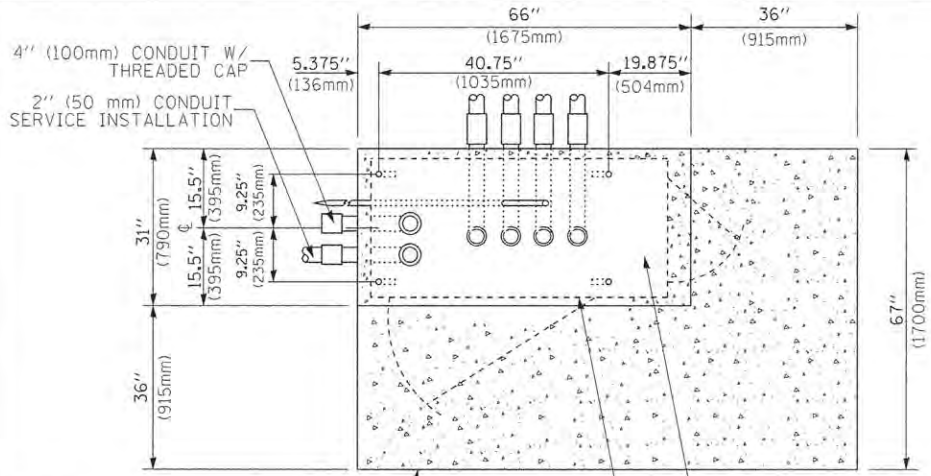
CABLE SLACK

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

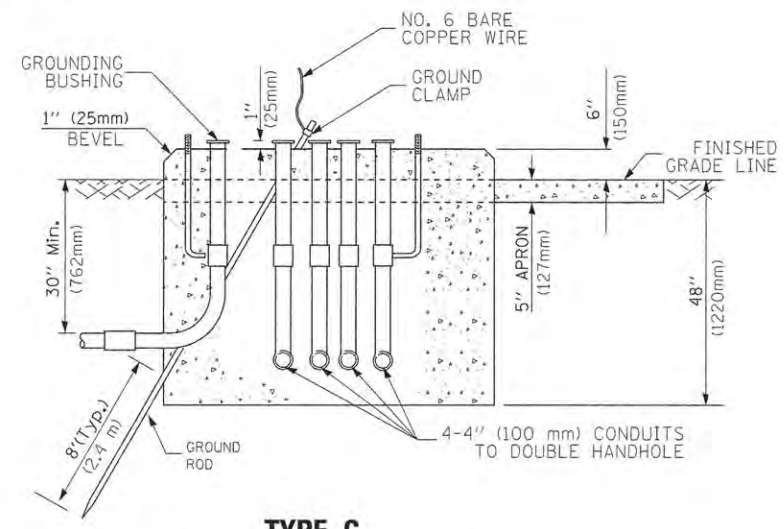
VERTICAL CABLE LENGTH

NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



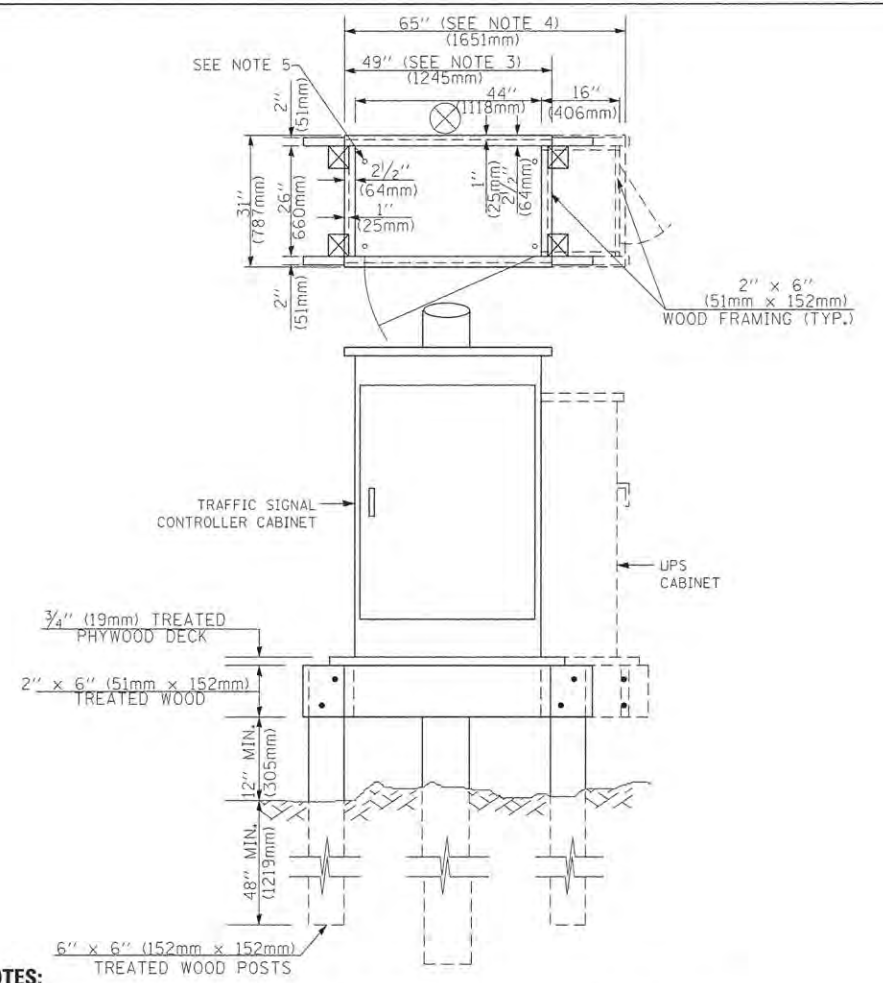
TOP VIEW



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

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

DEPTH OF FOUNDATION



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**

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	36" (900mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

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

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

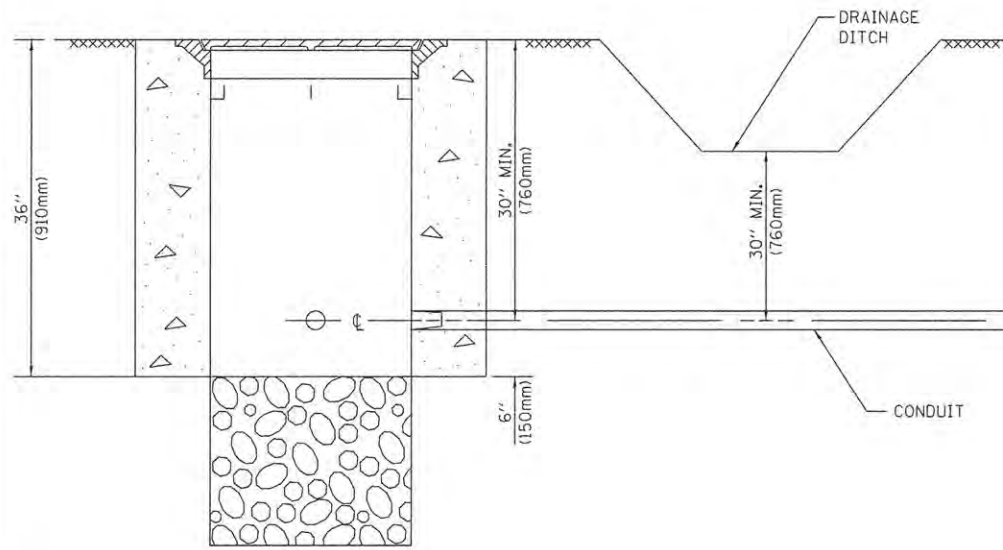
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PLOT DATE = 1/13/2014	

DESIGNED - DAG	REVISED - DAG 1-1-14
DRAWN - BCK	REVISED -
CHECKED - DAD	REVISED -
DATE - 10-28-09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE	
STANDARD TRAFFIC SIGNAL DESIGN DETAILS	
SCALE: NONE	SHEET NO. 5 OF 7 SHEETS STA. TO STA.

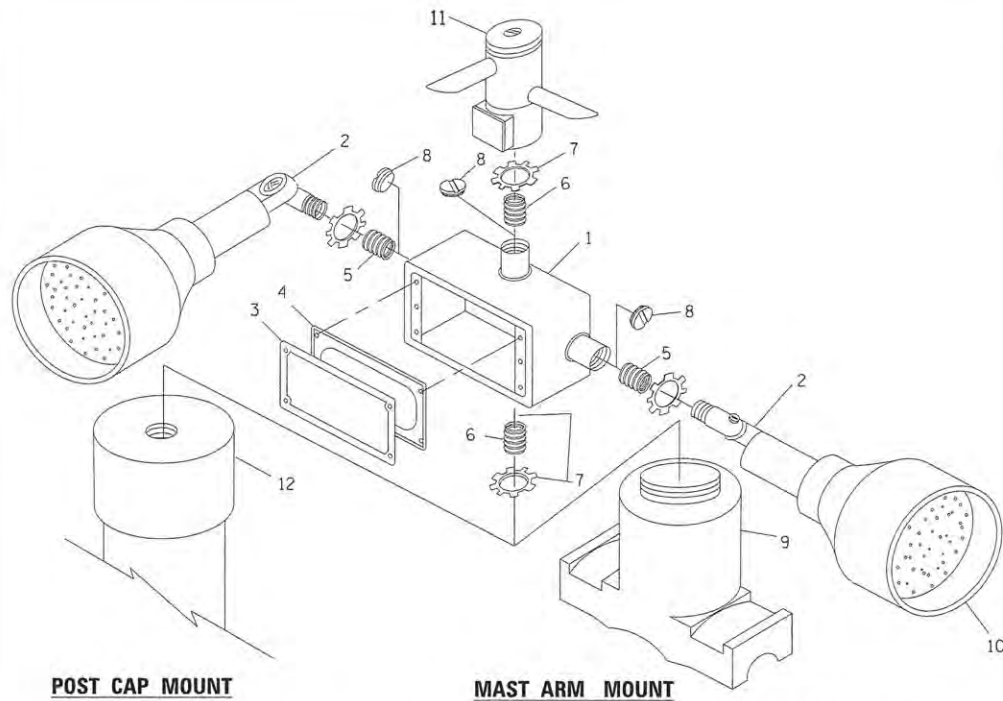
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	38
TS-05			CONTRACT NO. 61C10	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



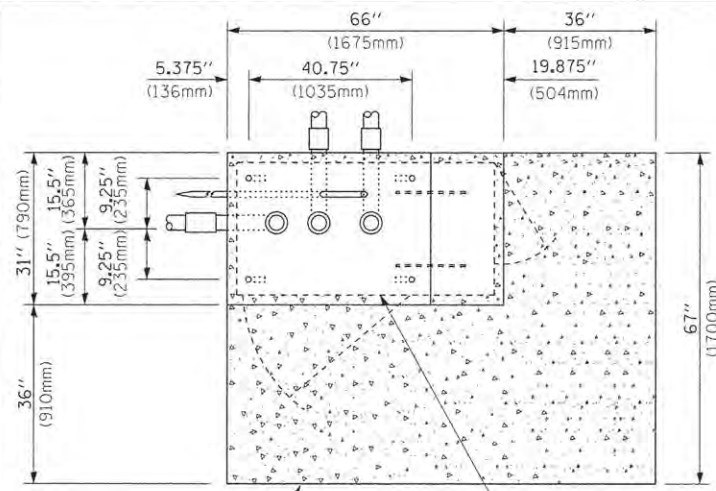
NOTES:

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

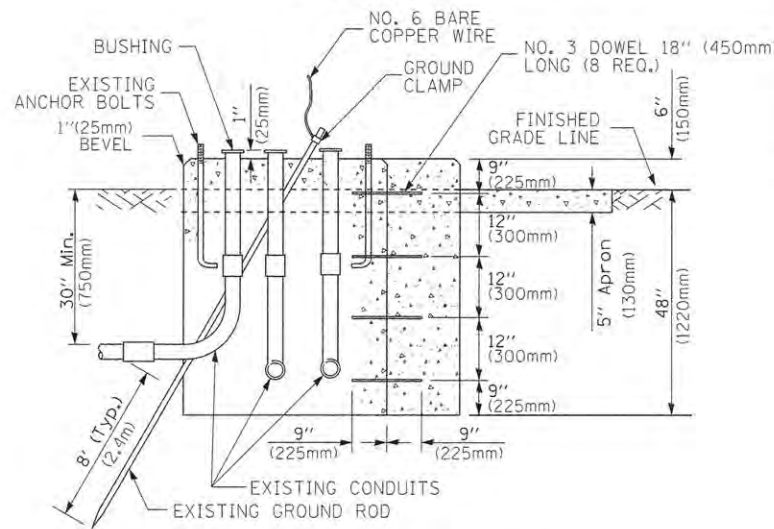
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



TOP VIEW
(NOT TO SCALE)

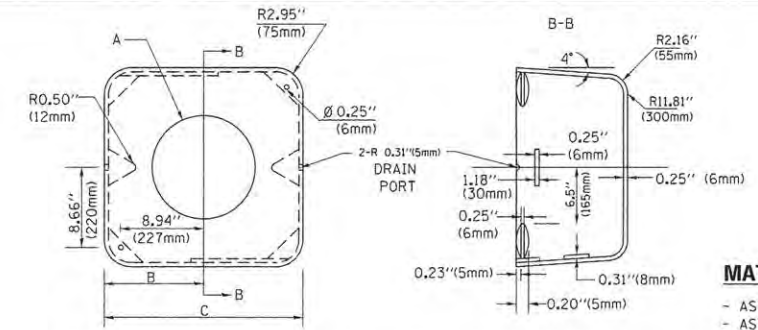


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

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:

- ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
- ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
- 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)

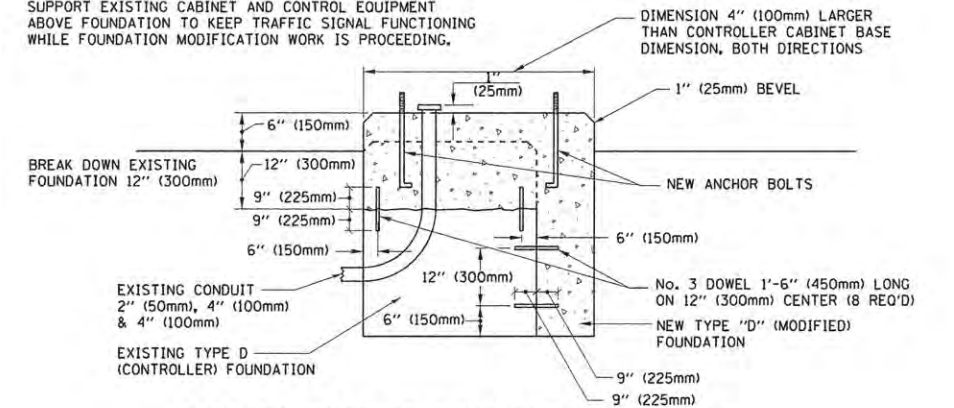
SHROUD

NOTES:

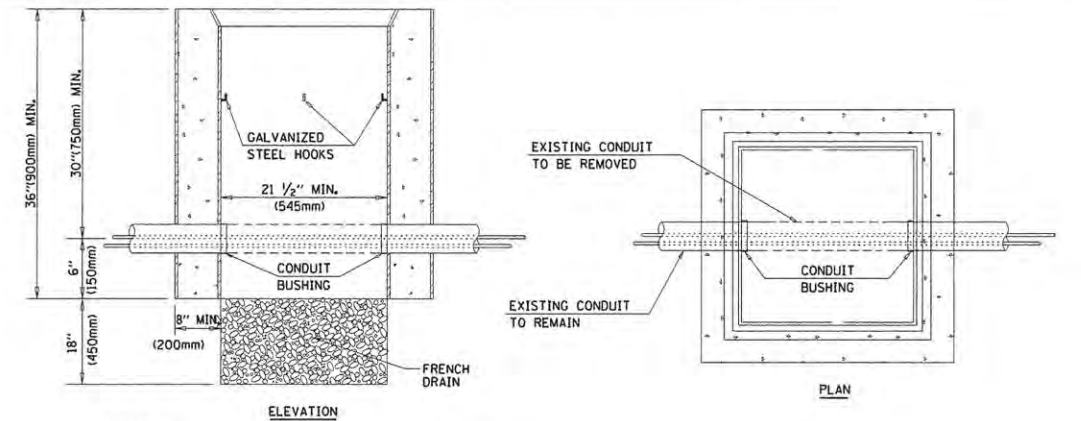
- DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
- THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
- THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

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:

- HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
- 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

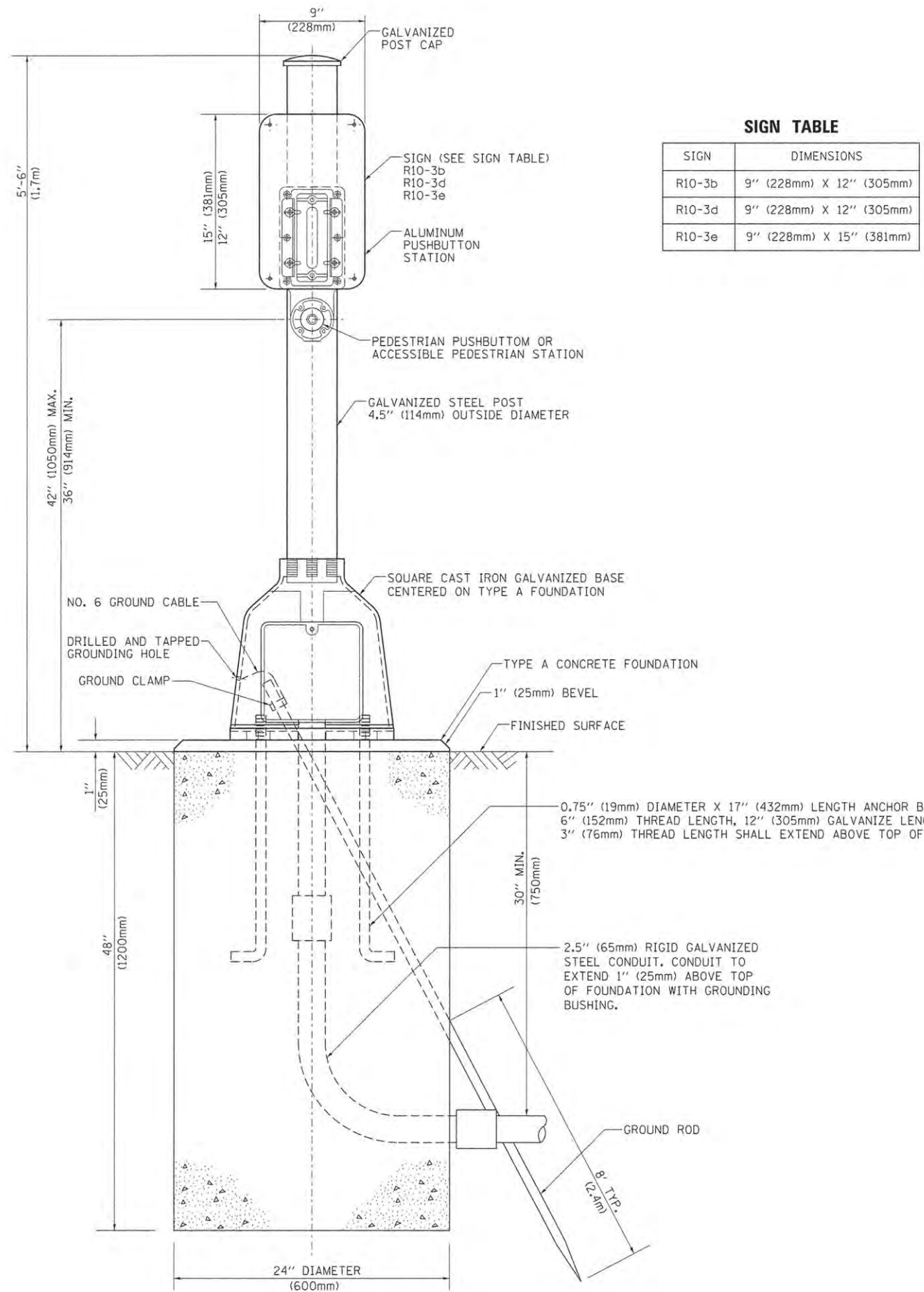
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

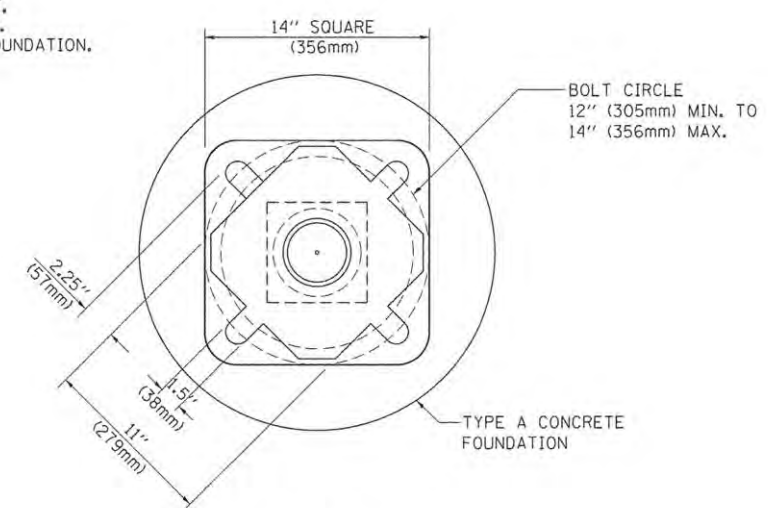
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TS-05		CONTRACT NO.		61C10
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

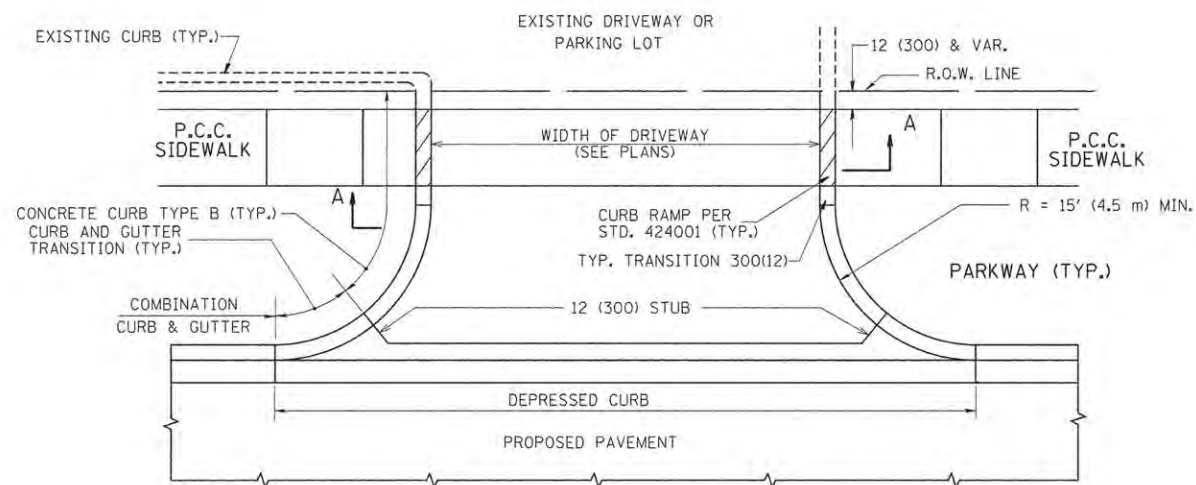


SIGN TABLE

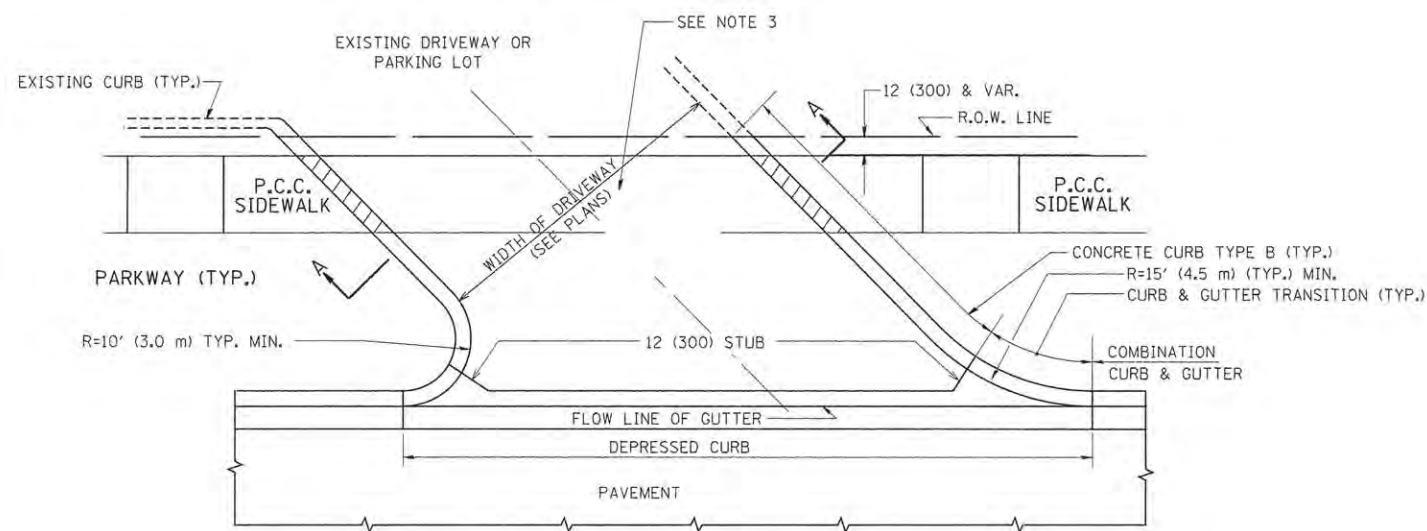
SIGN	DIMENSIONS
R10-3b	9" (228mm) X 12" (305mm)
R10-3d	9" (228mm) X 12" (305mm)
R10-3e	9" (228mm) X 15" (381mm)



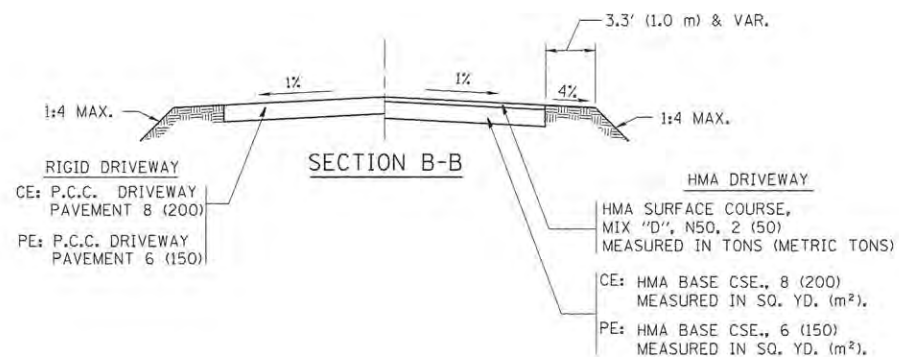
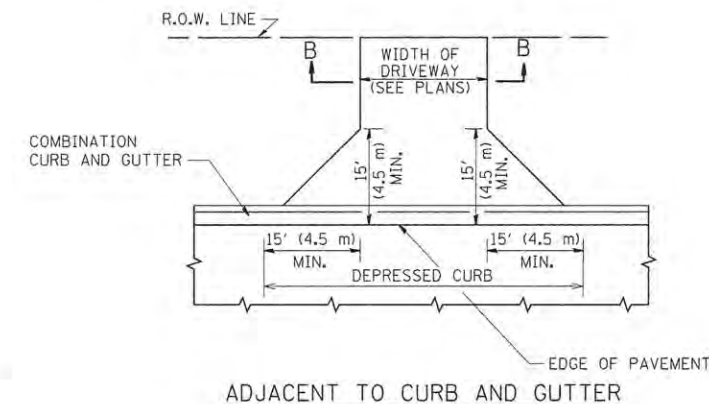
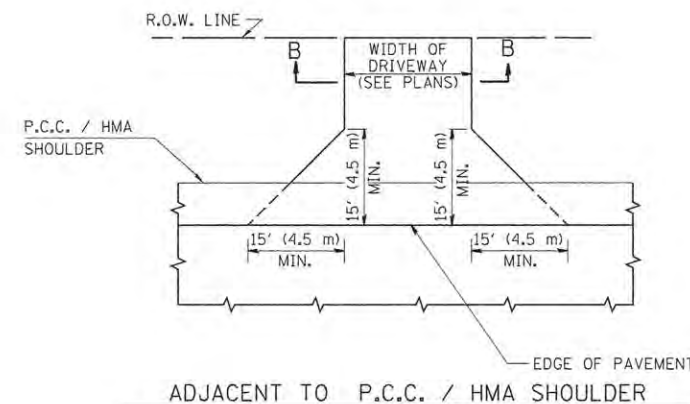
BOLT PATTERN
PEDESTRIAN PUSH BUTTON POST, TYPE A



WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



RURAL FIELD ENTRANCE (FE)

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

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

GENERAL NOTES:

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

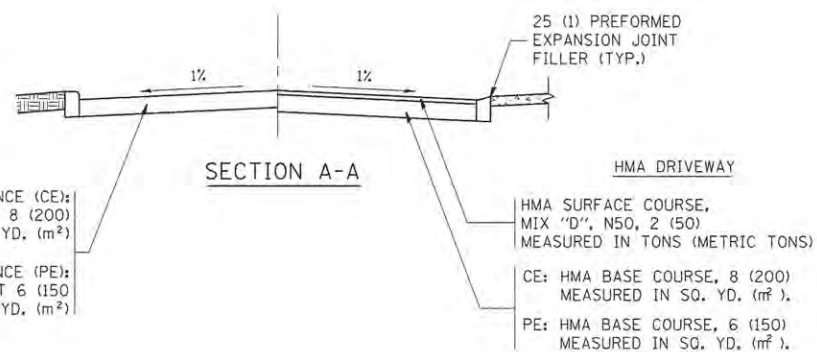
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

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

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

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

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



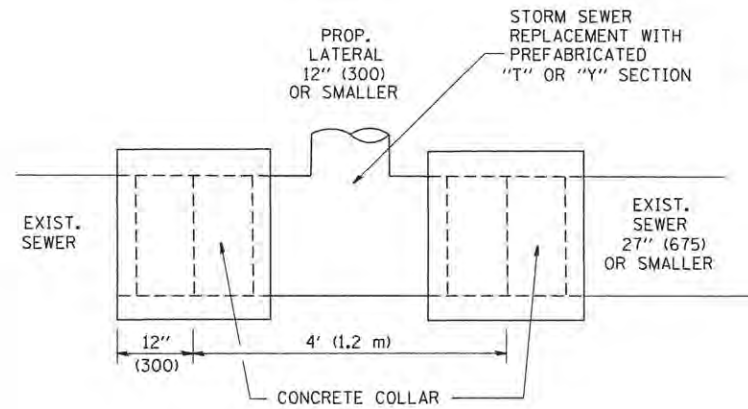
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	PLOT DATE = 9/6/2011	DATE - 11-04-95	REVISED - R. BORO 09-06-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W.
AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)

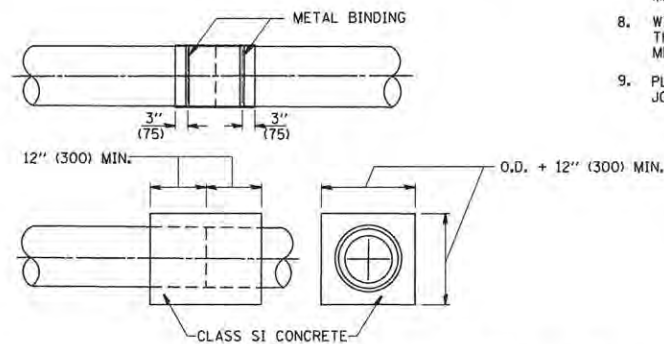
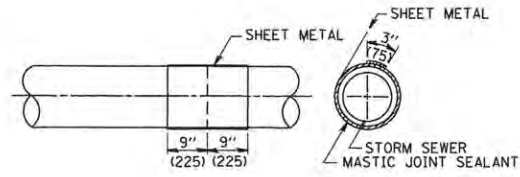
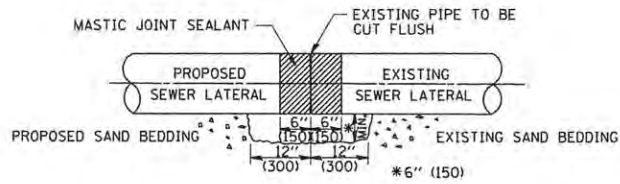
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BD0156-07 (BD-01)			CONTRACT NO. 61C10	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DETAIL "A"

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

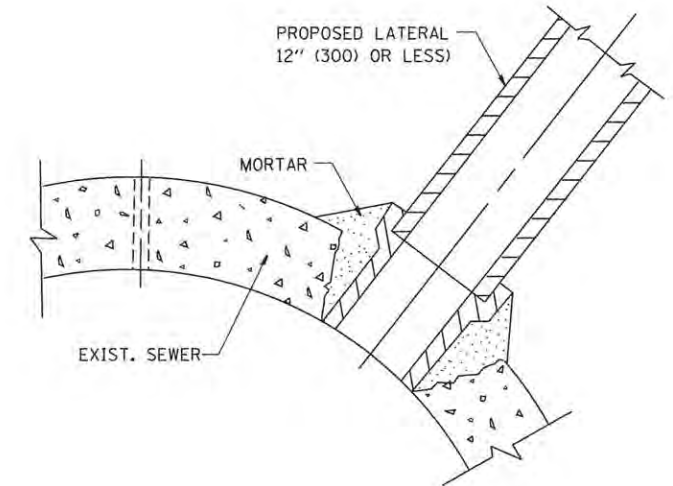


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

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



DETAIL "C"

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

NOTES

MATERIAL

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

CONSTRUCTION METHODS

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

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

GENERAL

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

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

BASIS OF PAYMENT

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

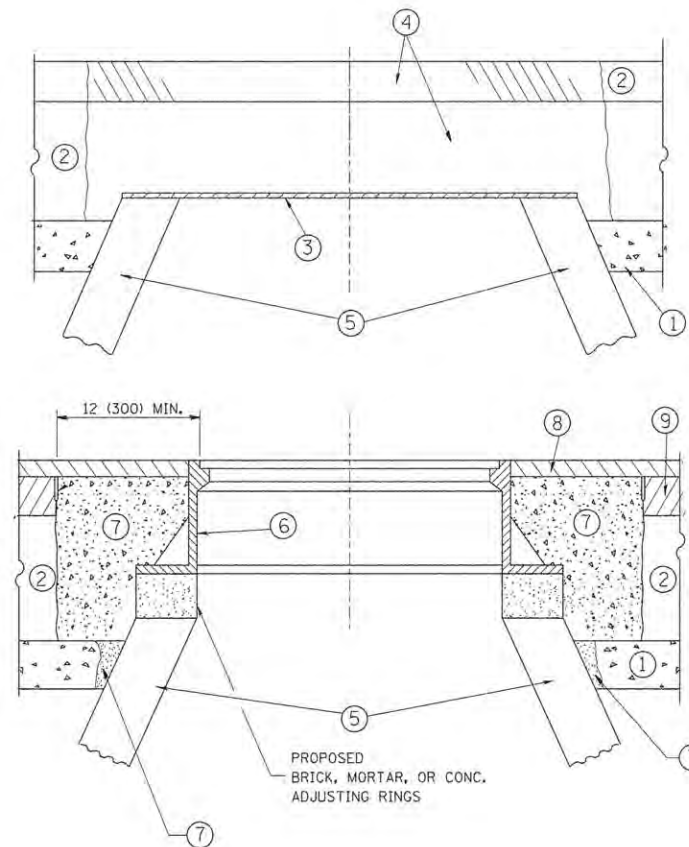
REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

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

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

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

FILE NAME = W:\diststd\22x34\bd07.dgn	USER NAME = gaglionobt	DESIGNED - M. DE YONG	REVISED - M. DE YONG 05-08-92	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER		F.A. 13 RTE. 2667	SECTION 13-00089-00-WR	COUNTY DUPAGE	TOTAL SHEETS 76	SHEET NO. 42	
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. SHAH 09-09-94		SCALE: NONE	SHEET NO. 1	OF 1 SHEETS	STA.	TO STA.	BD500-01 (BD-7)		CONTRACT NO. 61C10
	PLOT DATE = 1/4/2008	DATE - 07-25-90	REVISED - R. SHAH 10-25-94		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
			REVISED - R. SHAH 06-12-96									



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

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

*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES:

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

BASIS OF PAYMENT:

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

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

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

NOTES:

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

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

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

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

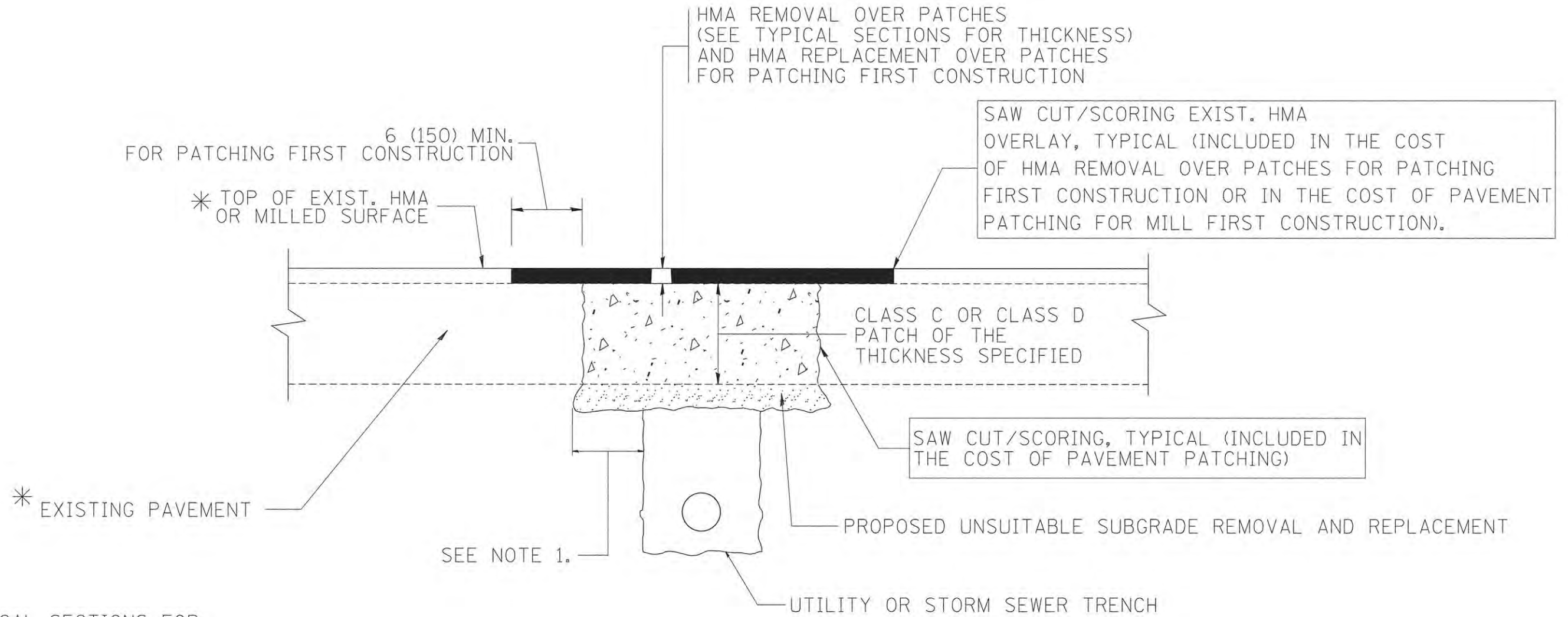
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		CHECKED -	REVISED - R. BORO 03-09-11
		DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	43
BD600-03 (BD-8)		CONTRACT NO.	61C10	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



* 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 = bauerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT		F.A.U. RTE. 2667	SECTION 13-00089-00-WR	COUNTY DUPAGE	TOTAL SHEETS 76	SHEET NO. 44
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	PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - R. BORO 09-04-07		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						
			REVISED - K. ENG 10-27-08								

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

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

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

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

18" (450) MAX.

1/4" (5) **

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

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

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

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

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

* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

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

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

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

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

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

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

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

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

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

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

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

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

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

BASIS OF PAYMENT:

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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

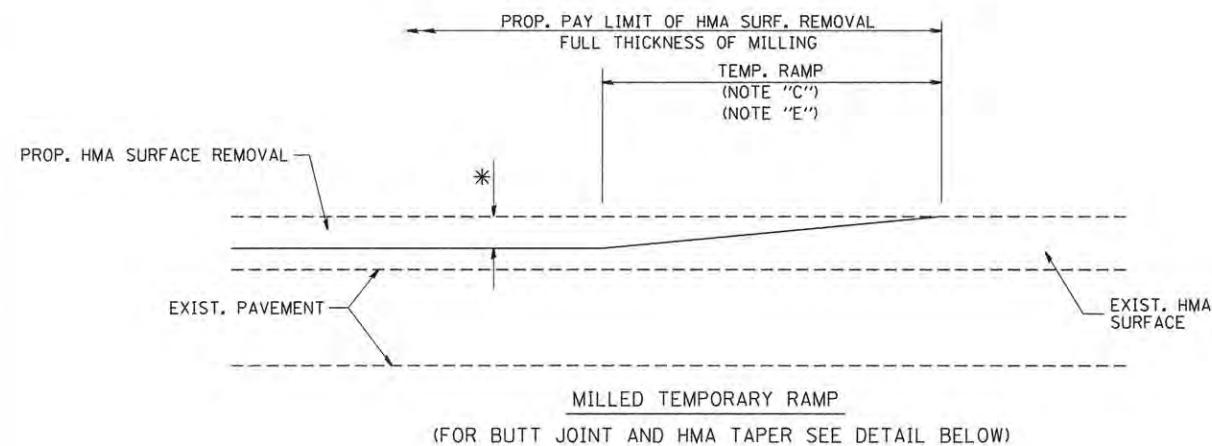
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	PLOT DATE = 12/15/2009	DATE - 03-11-94	REVISED - R. BORO 12-15-09

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

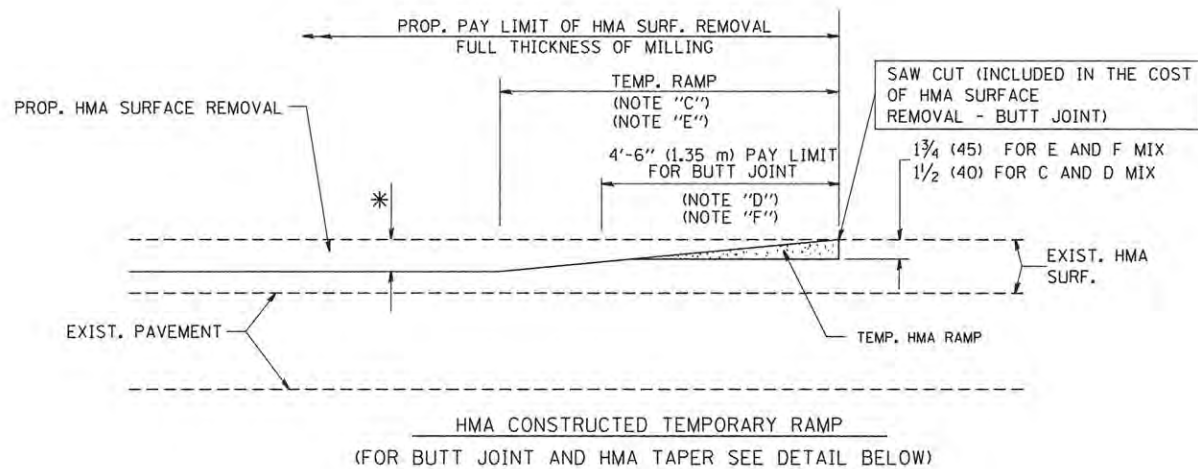
**CURB OR CURB AND GUTTER
REMOVAL AND REPLACEMENT**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	45
BD600-06 (BD-24)		CONTRACT NO.	61C10	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

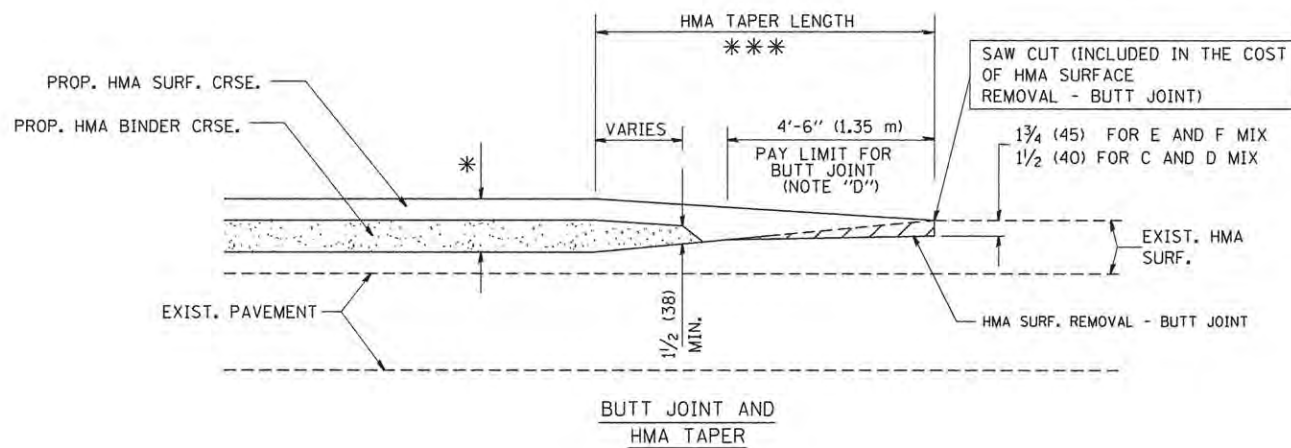


OPTION 1

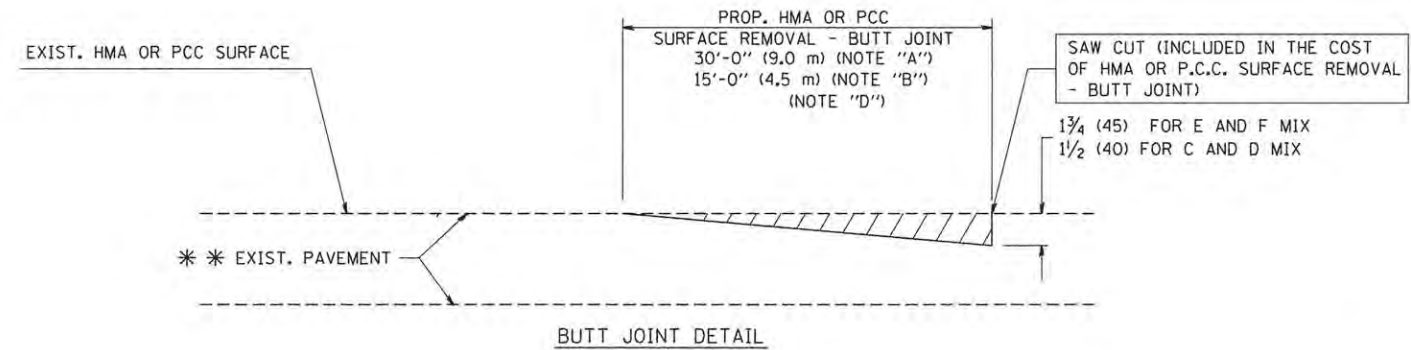


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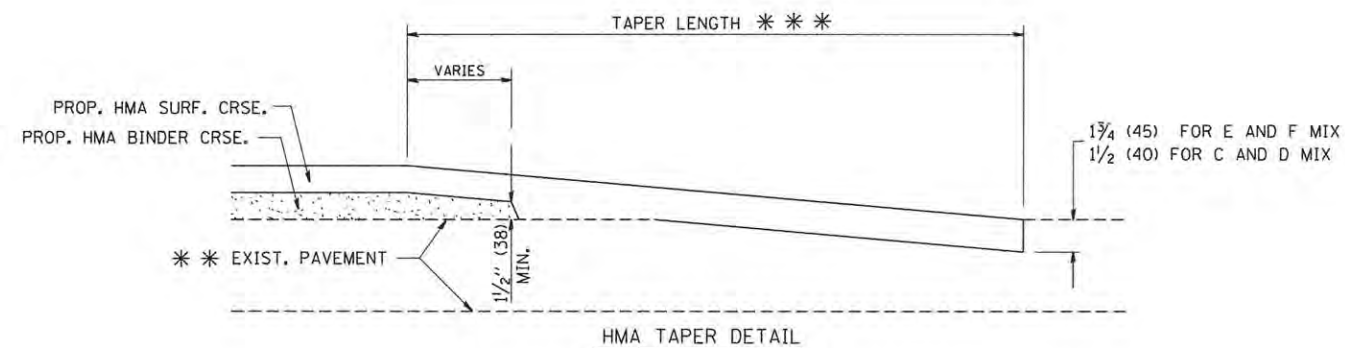
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

NOTES

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

BASIS OF PAYMENT:

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

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

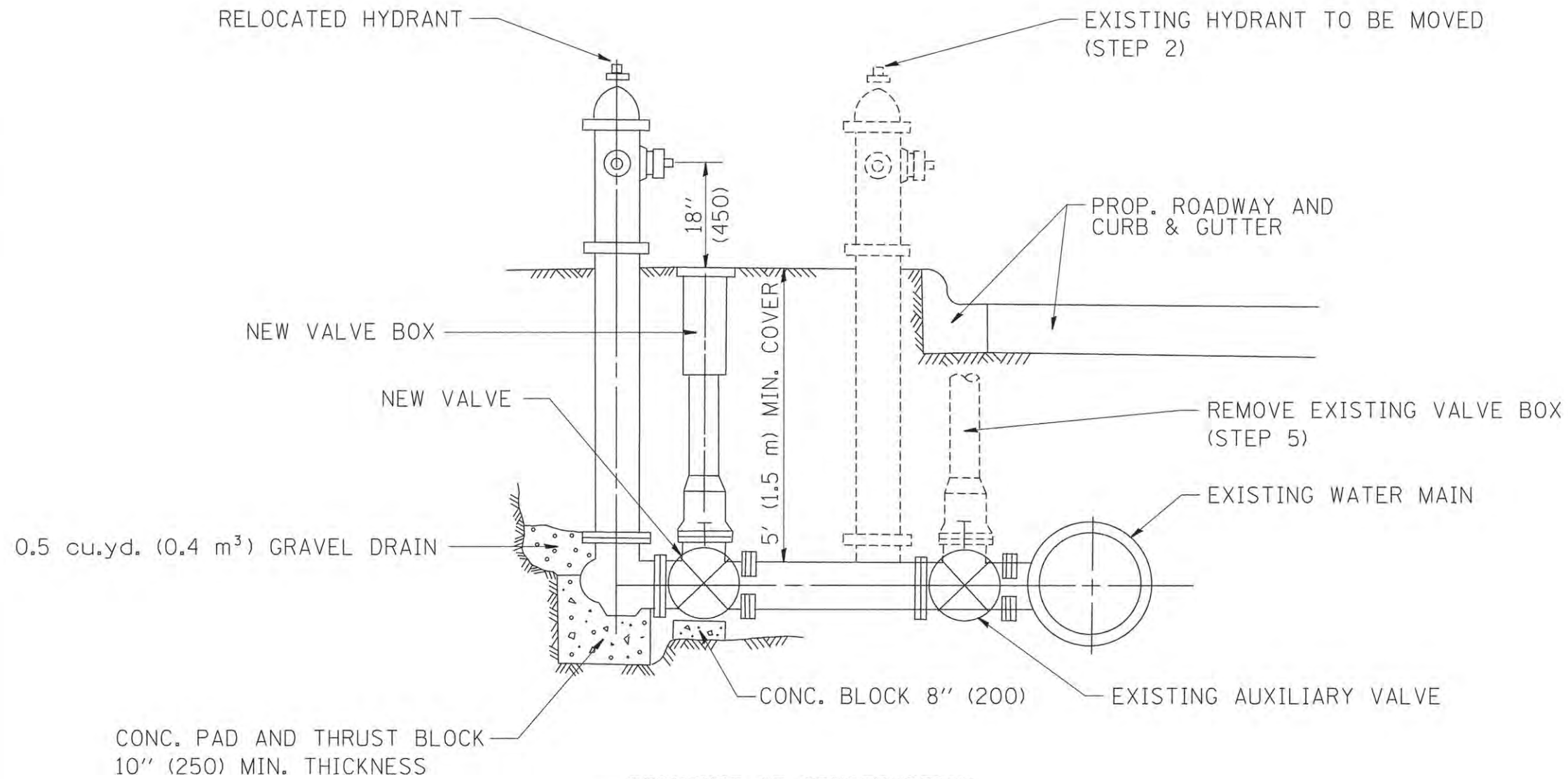
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	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	46
BD400-05 BD32		CONTRACT NO. 61C10		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SEQUENCE OF CONSTRUCTION:

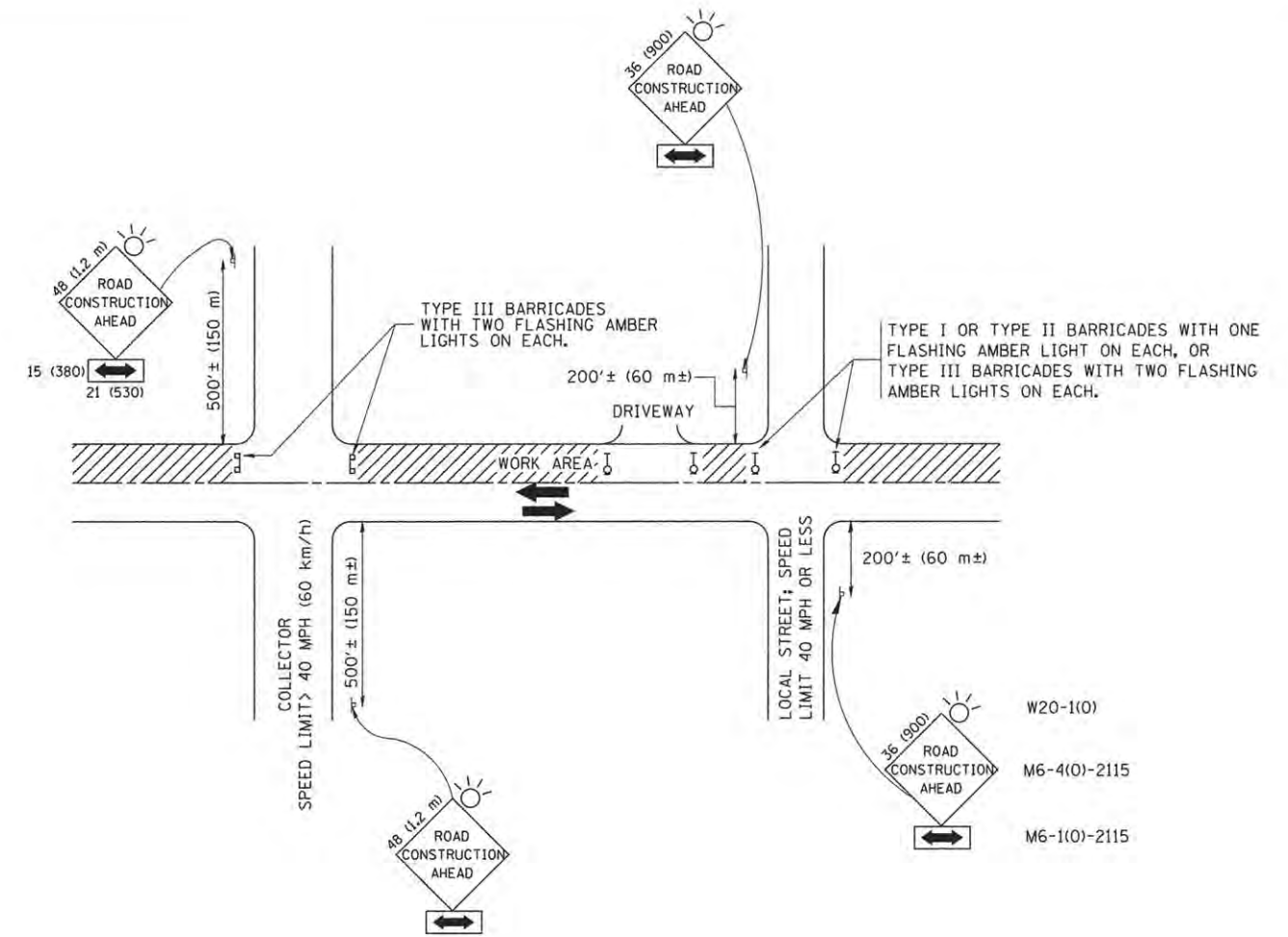
1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

ALL WORK TO BE DONE IN ACCORDANCE WITH ARTICLE 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

FIRE HYDRANT TO BE MOVED

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

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	PLDT DATE = 1/4/2008	CHECKED -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									



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

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

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

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

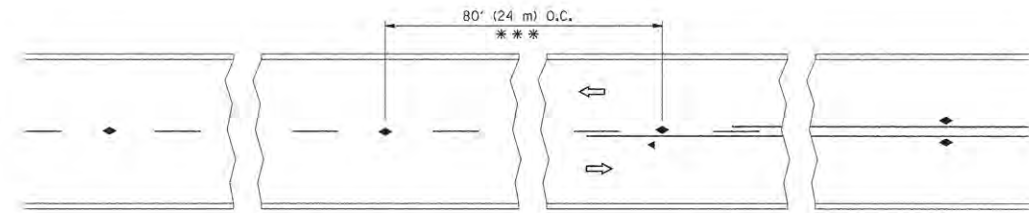
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	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

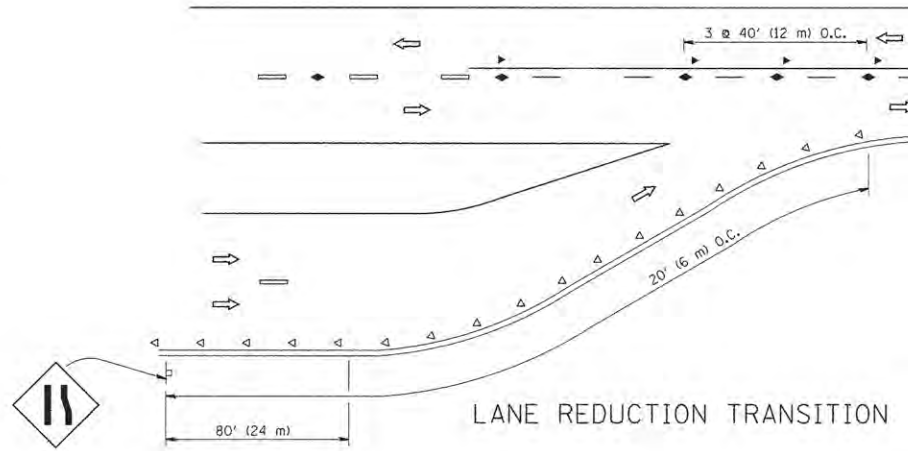
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TC-10			CONTRACT NO. 61C10	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

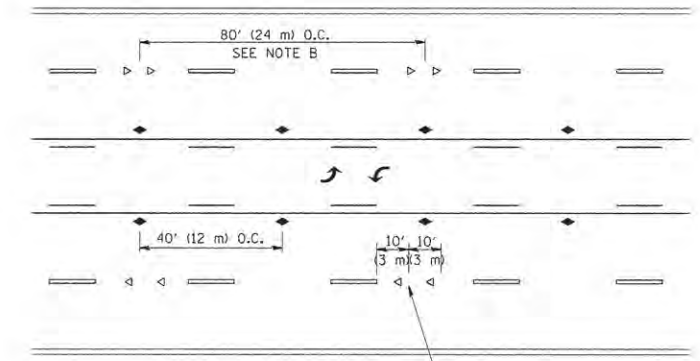


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

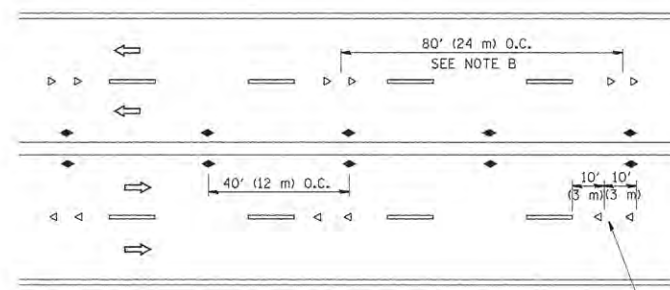
TWO-LANE/TWO-WAY



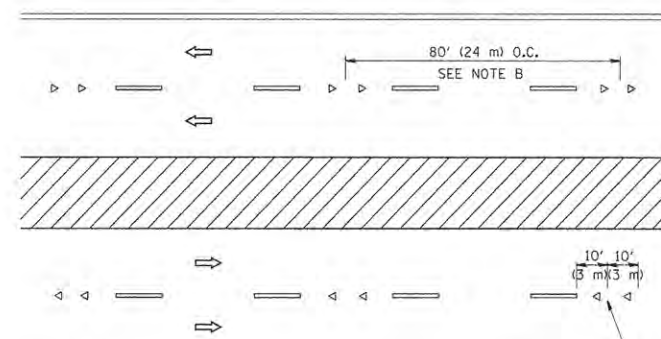
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

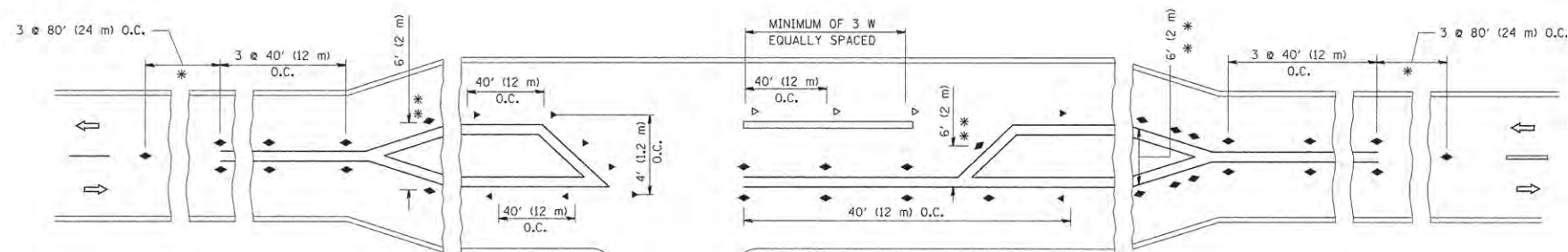
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



LEFT TURN

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

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

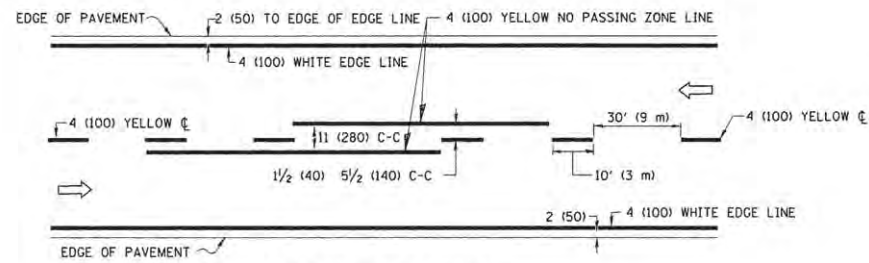
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

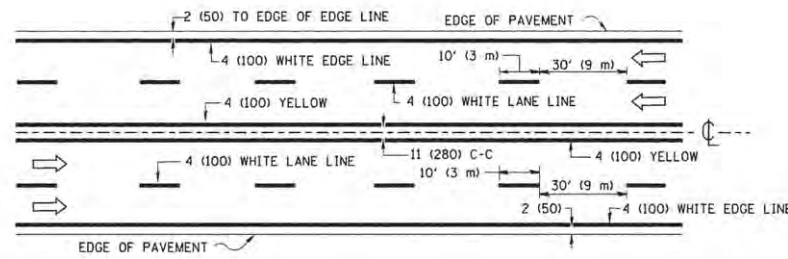
TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

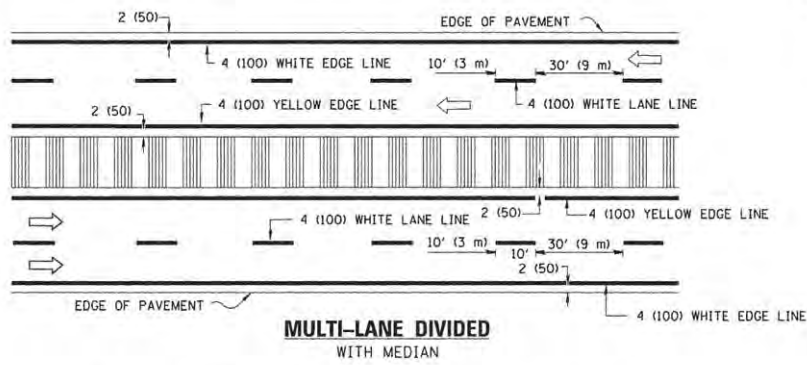
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	49
TC-11		CONTRACT NO.	61C10	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

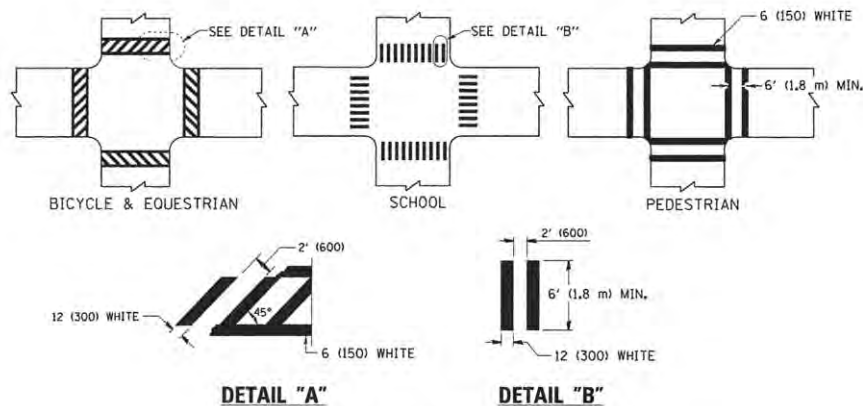


MULTI-LANE UNDIVIDED



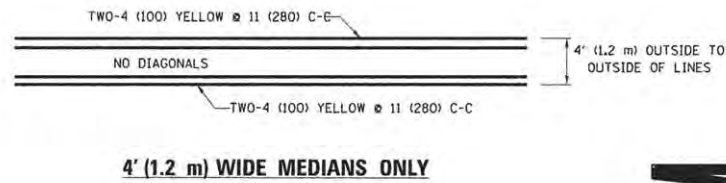
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

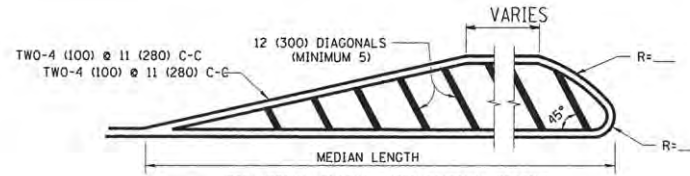


DETAIL "A" TYPICAL CROSSWALK MARKING

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

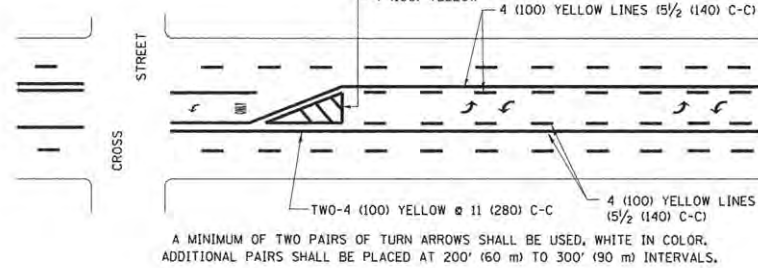


4' (1.2 m) WIDE MEDIANS ONLY

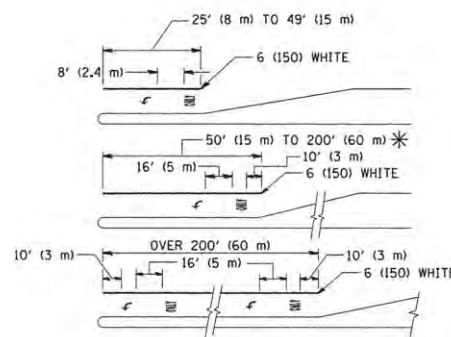


MEDIANS OVER 4' (1.2 m) WIDE

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



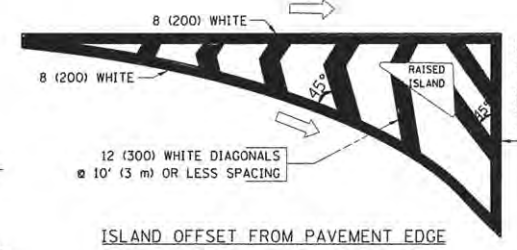
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



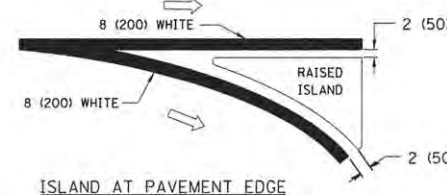
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

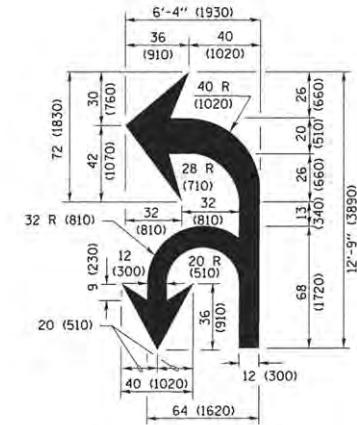


ISLAND OFFSET FROM PAVEMENT EDGE

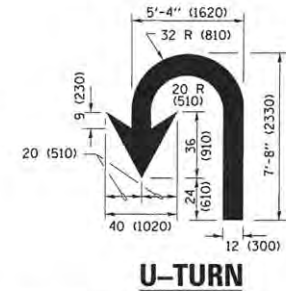


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE, FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 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 WHITE WHITE	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" 15' 6" (4.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF "RR" = 3.6 SQ. FT. (0.33 m ²) EACH "X" = 54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

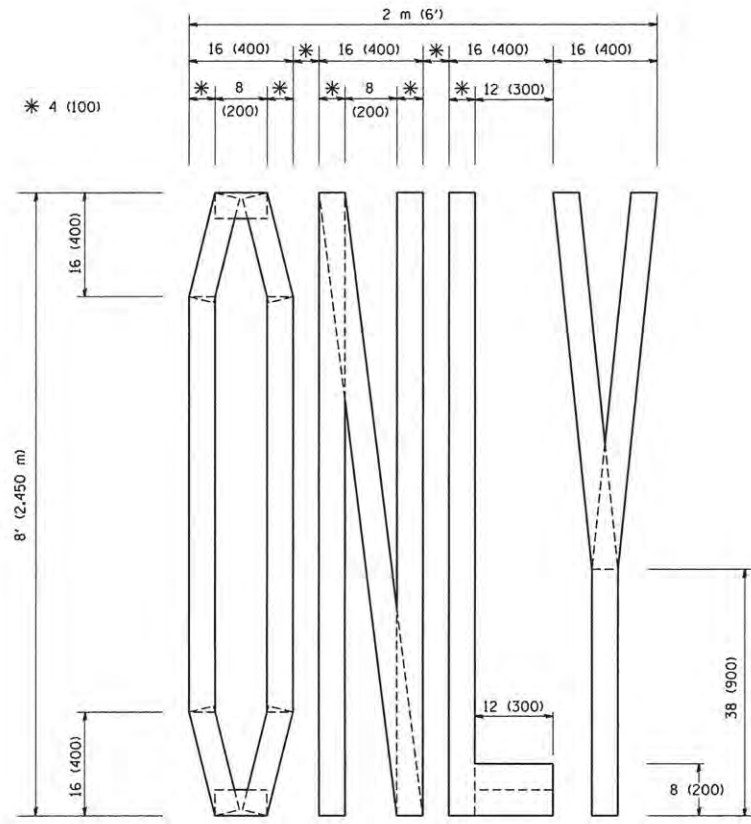
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = lszekrf	DESIGNED - EVERS	REVISED - T. RAMMACHER 10-27-94
pw:\jlb\4EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\Dist		DRAWN - CADdata\CAD\sheet\to13.dgn	REVISED - C. JUCIUS 09-09-09
Default	PLOT SCALE = 50.000 / in.	CHECKED -	REVISED - C. JUCIUS 07-01-13
	PLOT DATE = 12/21/2015	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15

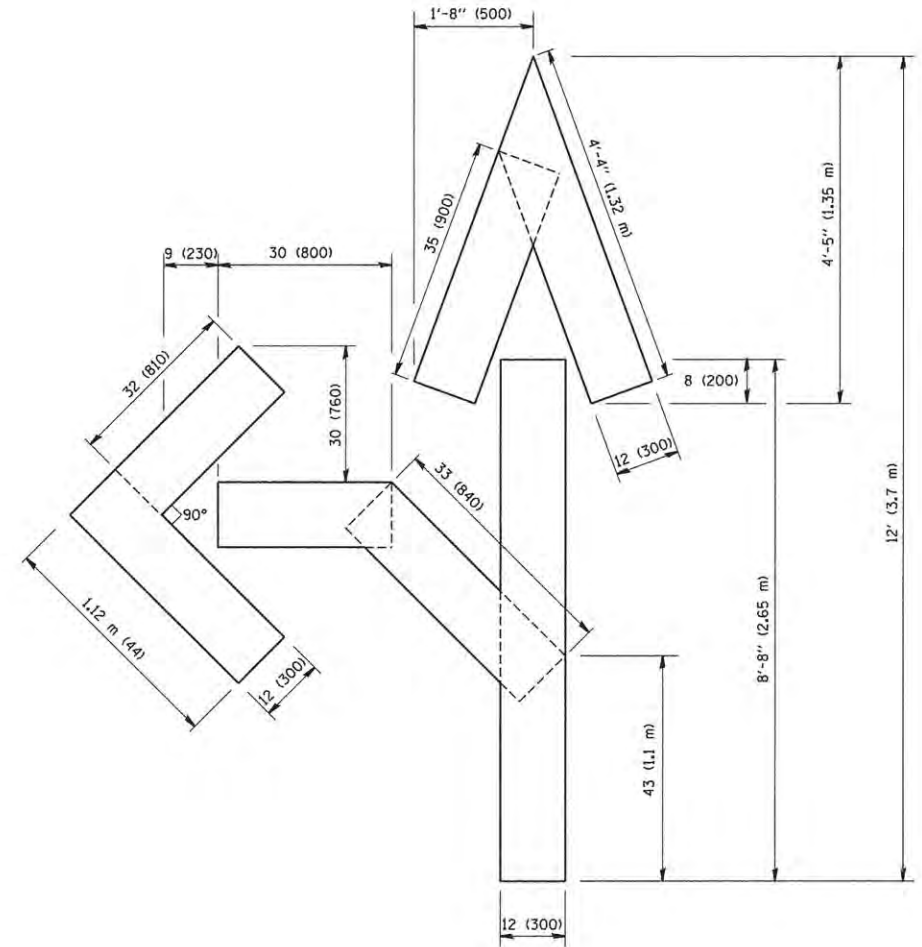
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	

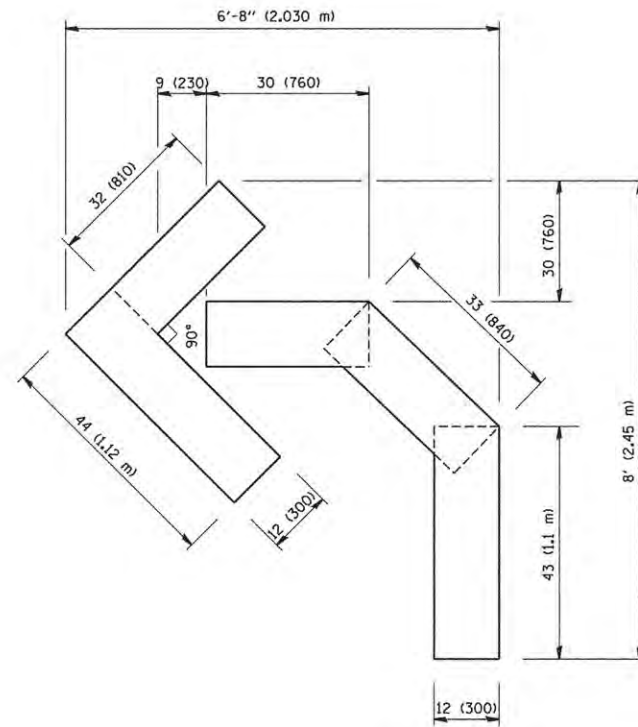
F.A.U R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-VR	DUPAGE	76	50
TC-13			CONTRACT NO.	61C10
ILLINOIS FED. AID PROJECT				



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\to16.dgn	USER NAME = gegljanobt	DESIGNED -	REVISED -T. RAMMACHER 06-05-96
		DRAWN -	REVISED -T. RAMMACHER 11-04-97
		CHECKED -	REVISED -T. RAMMACHER 03-02-98
		DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

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

F.A.U. RTE. 2667	SECTION 13-00089-00-WR	COUNTY DUPAGE	TOTAL SHEETS 76	SHEET NO. 51
TC-16			CONTRACT NO. 61C10	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



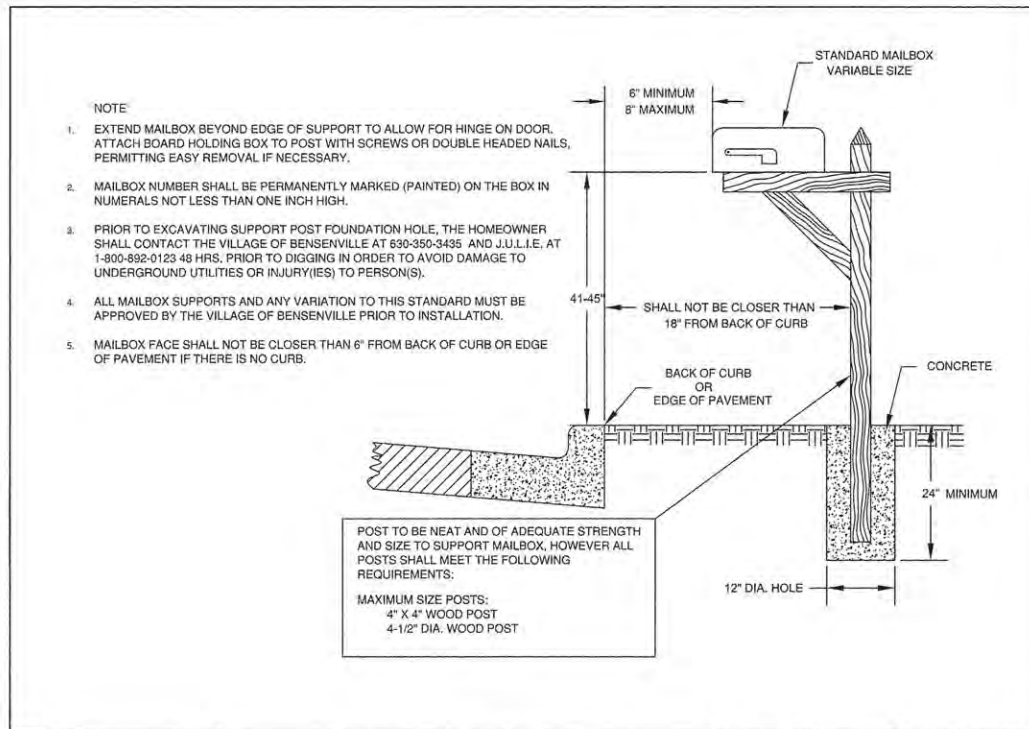
3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

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

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REVISIONS	
PLANNED	
ALIGNED	
CHECKED	
NOTE BOOK	
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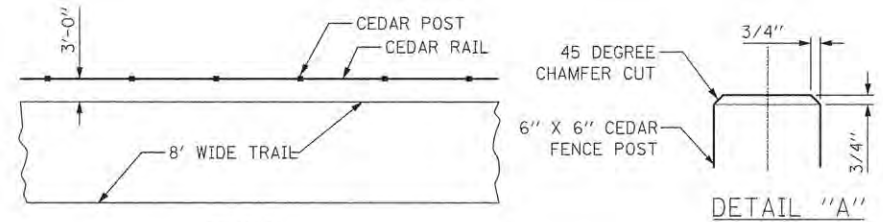
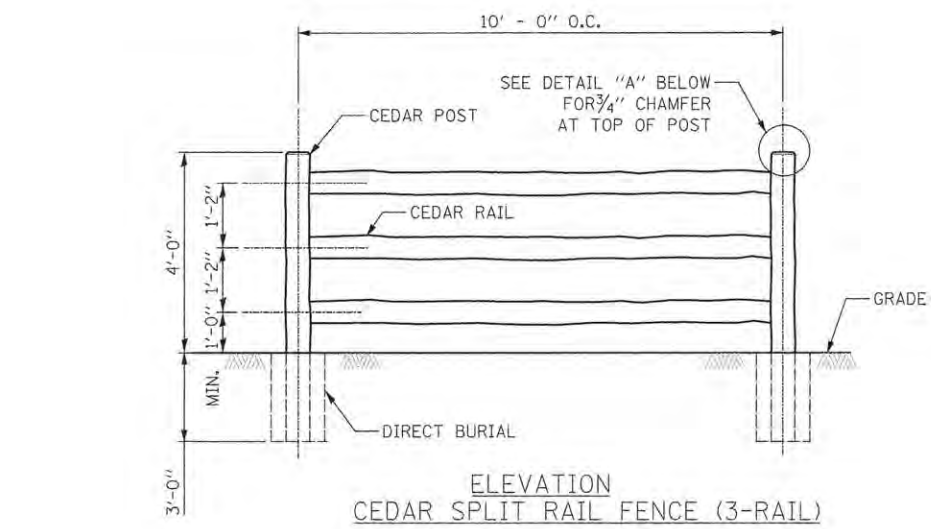
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BY	
REVISIONS	
PLANNED	
CHECKED	
NOTE BOOK	
NO.	



- NOTE
1. EXTEND MAILBOX BEYOND EDGE OF SUPPORT TO ALLOW FOR HINGE ON DOOR. ATTACH BOARD HOLDING BOX TO POST WITH SCREWS OR DOUBLE HEADED NAILS, PERMITTING EASY REMOVAL IF NECESSARY.
 2. MAILBOX NUMBER SHALL BE PERMANENTLY MARKED (PAINTED) ON THE BOX IN NUMERALS NOT LESS THAN ONE INCH HIGH.
 3. PRIOR TO EXCAVATING SUPPORT POST FOUNDATION HOLE, THE HOMEOWNER SHALL CONTACT THE VILLAGE OF BENSENVILLE AT 630-350-3435 AND J.U.L.I.E. AT 1-800-892-0123 48 HRS. PRIOR TO DIGGING IN ORDER TO AVOID DAMAGE TO UNDERGROUND UTILITIES OR INJURY(IES) TO PERSON(S).
 4. ALL MAILBOX SUPPORTS AND ANY VARIATION TO THIS STANDARD MUST BE APPROVED BY THE VILLAGE OF BENSENVILLE PRIOR TO INSTALLATION.
 5. MAILBOX FACE SHALL NOT BE CLOSER THAN 6" FROM BACK OF CURB OR EDGE OF PAVEMENT IF THERE IS NO CURB.

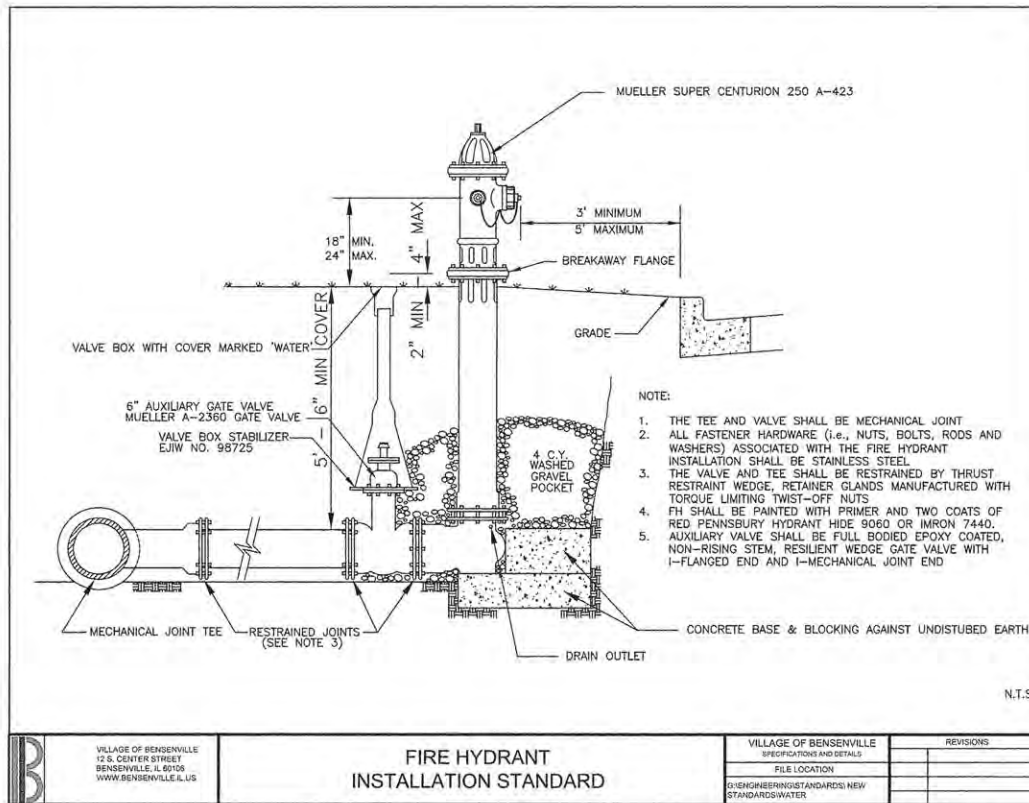
POST TO BE NEAT AND OF ADEQUATE STRENGTH AND SIZE TO SUPPORT MAILBOX, HOWEVER ALL POSTS SHALL MEET THE FOLLOWING REQUIREMENTS:
 MAXIMUM SIZE POSTS:
 4" X 4" WOOD POST
 4-1/2" DIA. WOOD POST

B	VILLAGE OF BENSENVILLE 12 S. CENTER STREET BENSENVILLE, IL 61009 WWW.BENSENVILLE.IL.US	MAILBOX SUPPORT AND ATTACHMENT DESIGN	VILLAGE OF BENSENVILLE SPECIFICATIONS AND DETAILS FILE LOCATION	REVISIONS
			ENGINEERING STANDARDS/NEW STANDARDS/GENERAL	



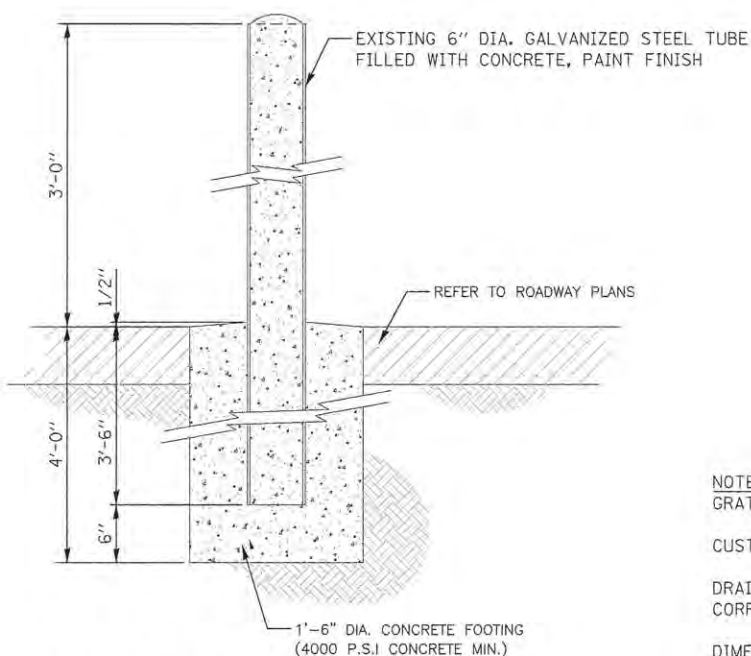
- NOTES:
1. CONTRACTOR SHALL SUBMIT AND PROVIDE DATA FOR FENCE POSTS, RAILS, MESH.
 2. PRIOR TO INSTALLATION OF THE FENCE, SAMPLES OF THE POSTS, RAILS, AND ALL ACCESSORIES SHALL BE PROVIDED TO THE A/E FOR APPROVAL.

FENCE DETAILS
N.T.S.

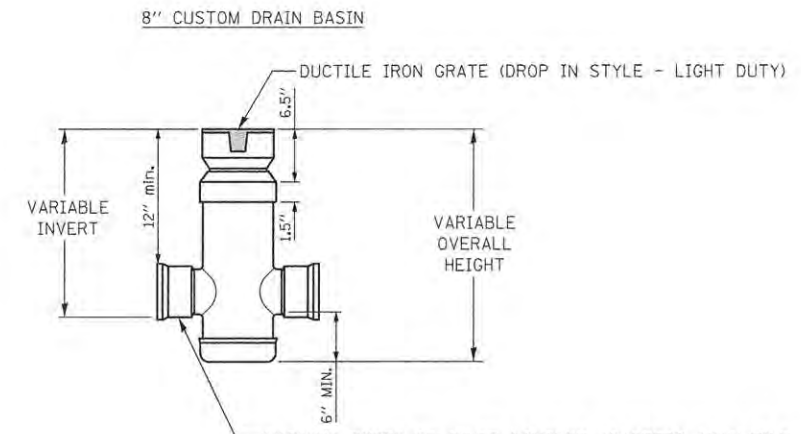


- NOTE:
1. THE TEE AND VALVE SHALL BE MECHANICAL JOINT
 2. ALL FASTENER HARDWARE (I.E., NUTS, BOLTS, RODS AND WASHERS) ASSOCIATED WITH THE FIRE HYDRANT INSTALLATION SHALL BE STAINLESS STEEL
 3. THE VALVE AND TEE SHALL BE RESTRAINED BY THRUST RESTRAINT WEDGE, RETAINER GLANDS MANUFACTURED WITH TORQUE LIMITING TWIST-OFF NUTS
 4. FH SHALL BE PAINTED WITH PRIMER AND TWO COATS OF RED PENNSBURY HYDRANT HIDE 9060 OR IMPRON 7440.
 5. AUXILIARY VALVE SHALL BE FULL BODIED EPOXY COATED, NON-RISING STEM, RESILIENT WEDGE GATE VALVE WITH I-FLANGED END AND I-MECHANICAL JOINT END

B	VILLAGE OF BENSENVILLE 12 S. CENTER STREET BENSENVILLE, IL 61009 WWW.BENSENVILLE.IL.US	FIRE HYDRANT INSTALLATION STANDARD	VILLAGE OF BENSENVILLE SPECIFICATIONS AND DETAILS FILE LOCATION	REVISIONS
			ENGINEERING STANDARDS/NEW STANDARDS/WATER	



REMOVE AND REPLACE BOLLARDS

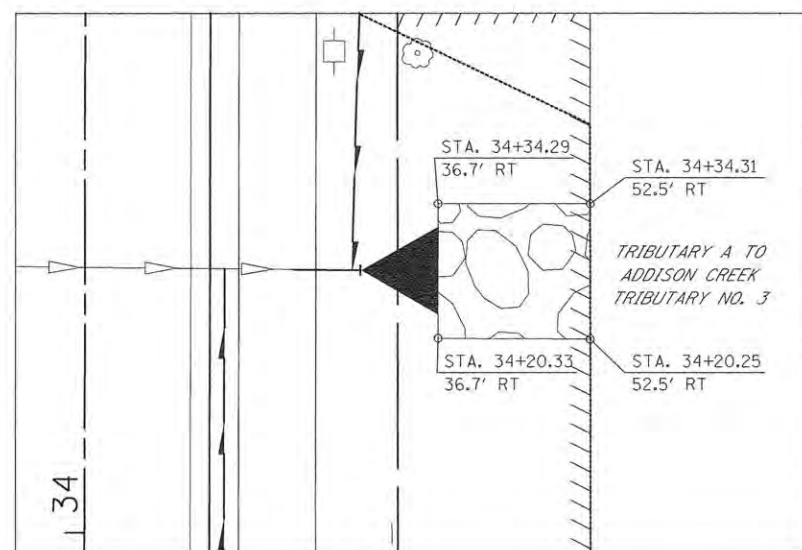
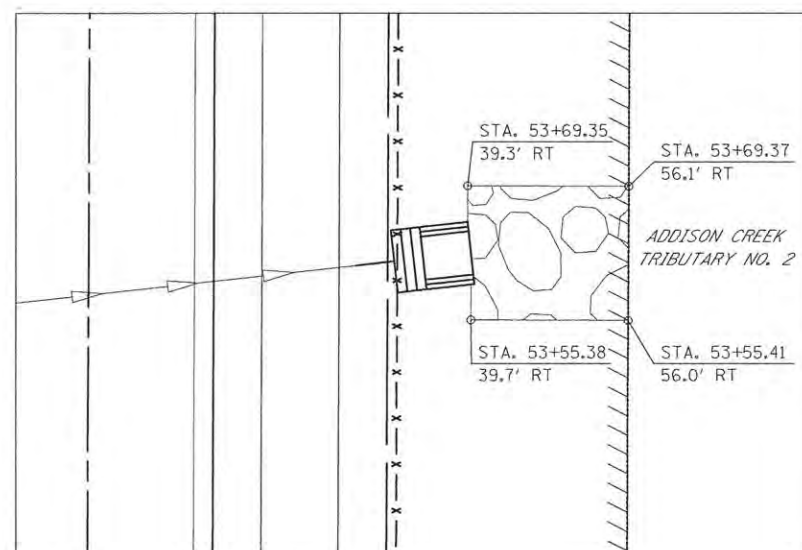
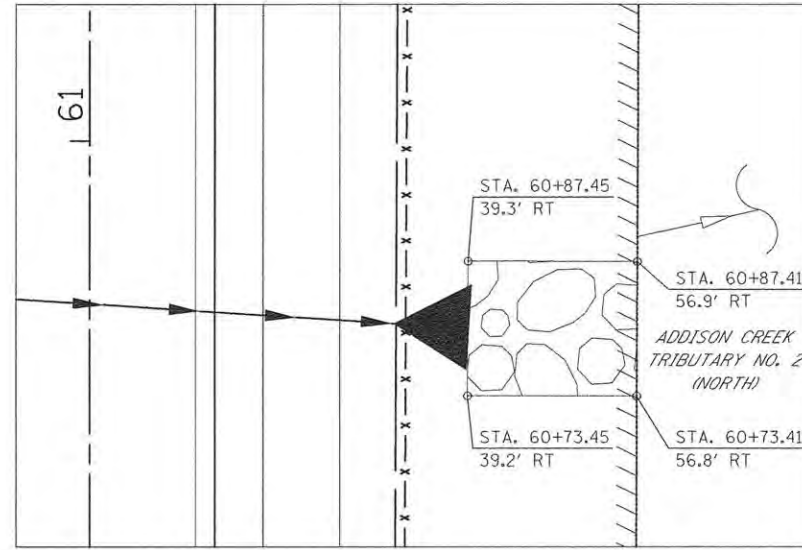


- NOTES:
1. GRATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
 2. CUSTOM DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS.
 3. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE & SDR 35 PVC.
 4. DIMENSIONS ARE FOR REFERENCE ONLY. ACTUAL DIMENSIONS MAY VARY.

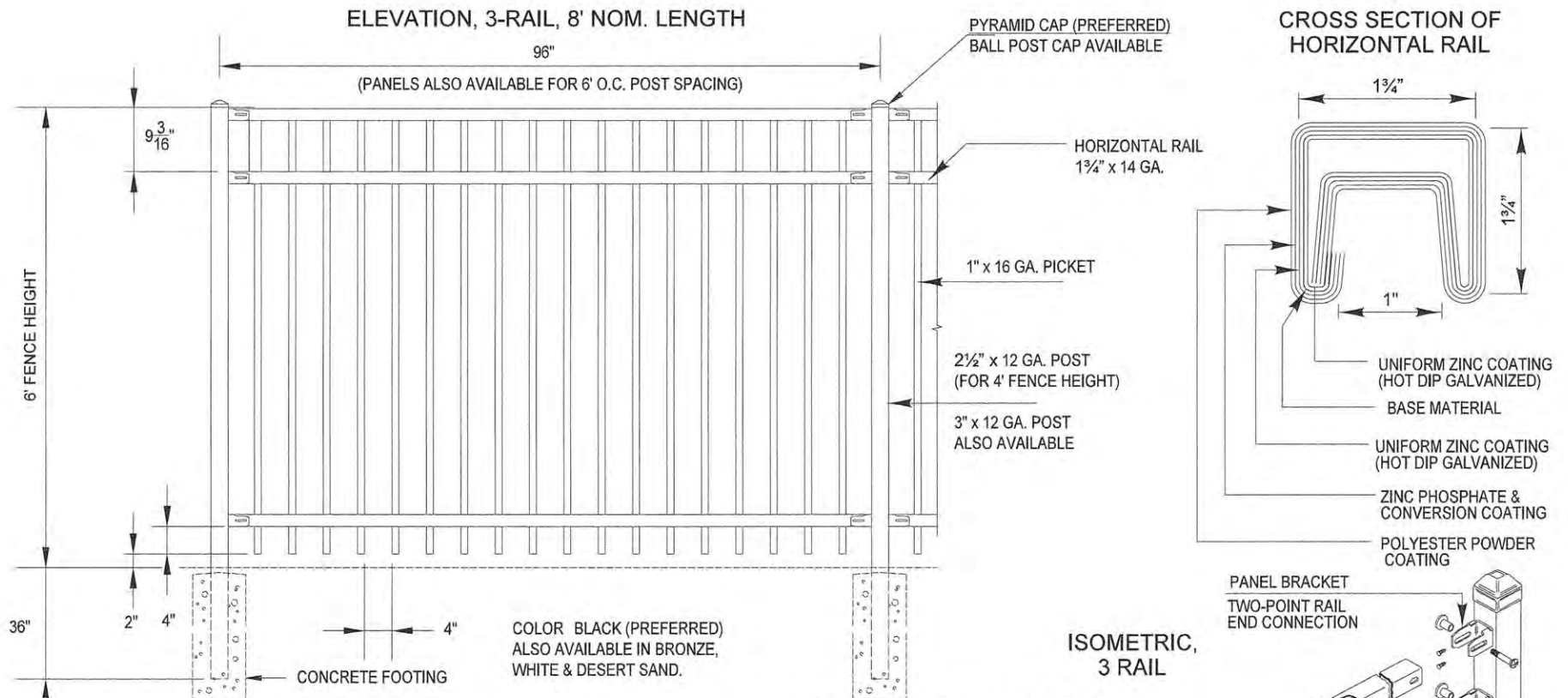
INLETS, SPECIAL DETAIL

DATE	
BY	
REVISIONS	
NO.	
PLAN	
NOTE BOOK	
NO.	

DATE	
BY	
REVISIONS	
NO.	
PROFILE	
NOTE BOOK	
NO.	



RIPRAP DETAIL



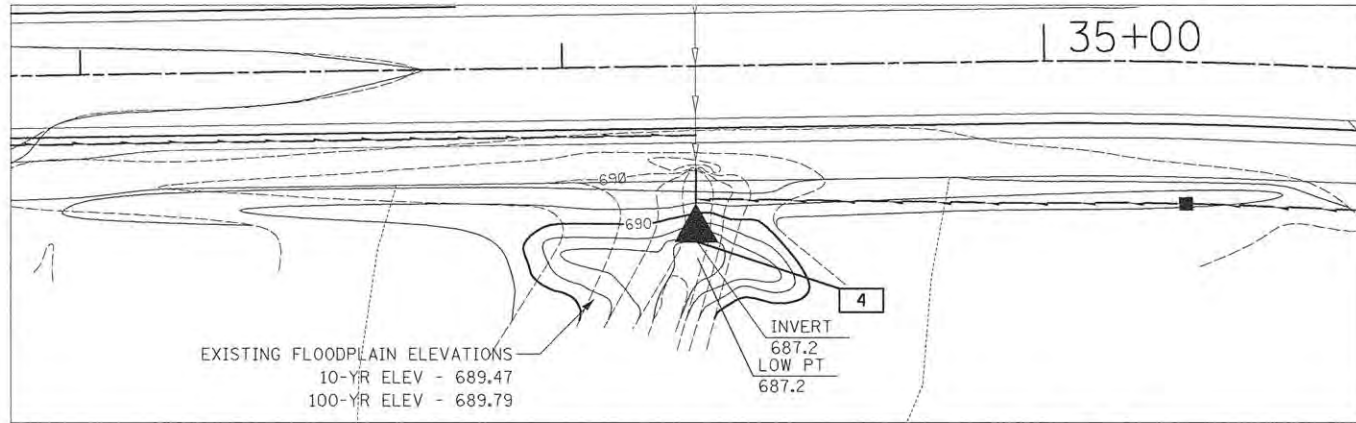
Post Selection for Fence Height 8'

Wind Load				
Fence Height (FT)	Rail Length (FT)	Post Size	Wind Load Capacity Factor (PSF)	Typical Wind Load Capacity (mph)
6	6	2 1/2" x 12 GA.	25.6	100.0
		3" x 12 GA.	30.7	110.0
	8	2 1/2" x 12 GA.	19.2	87.0
		3" x 12 GA.	23.0	95.0
		4" x 12 GA.	30.6	110.0

FENCE (SPECIAL)

DATE	
BY	
SUBMITTED	
PLANNING	
DESIGNED	
DRAWN	
CHECKED	
DATE	

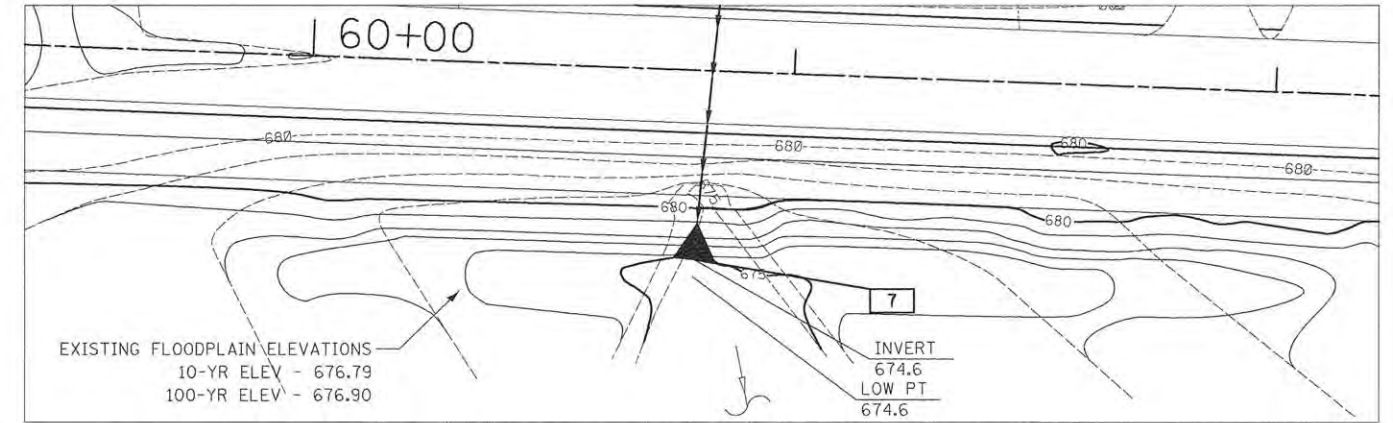
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SUBMITTED	
PLANNING	
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TRIBUTARY A TO ADDISON CREEK TRIBUTARY NO. 3 GRADING DETAIL

FLOODPLAIN VOLUME - TRIBUTARY A TO ADDISON CREEK TRIBUTARY NO.3			
0 TO 10 YEAR FLOODPLAIN ELEVATION - 689.47		10 TO 100 YEAR FLOODPLAIN ELEVATION - 689.79	
FILL (CU FT)	CUT (CU FT)	FILL (CU FT)	CUT (CU FT)
102	579	357	743
SURPLUS PROVIDED: 277 CU FT		SURPLUS PROVIDED: 386 CU FT	

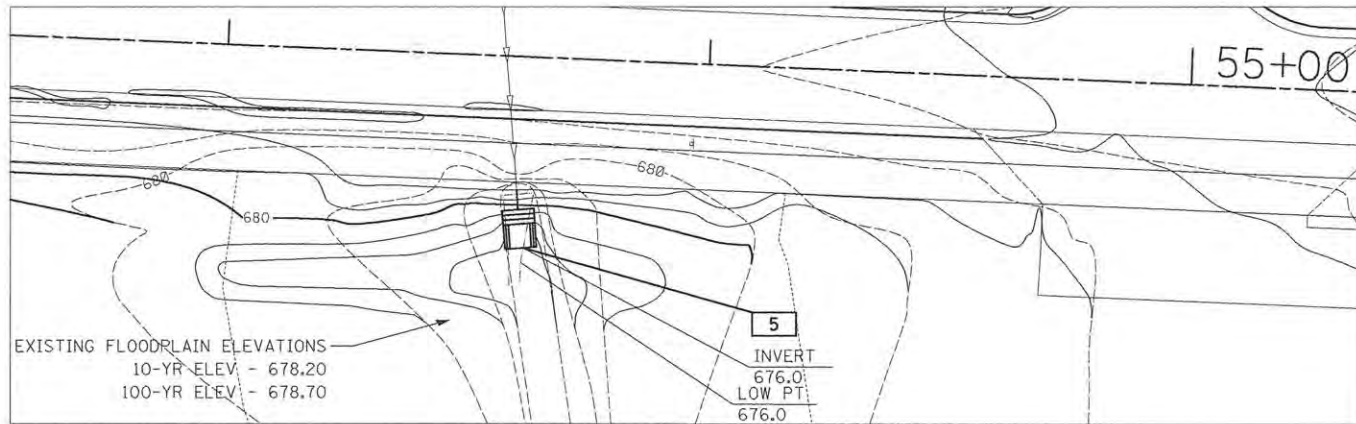
TRIBUTARY A TO ADDISON CREEK TRIBUTARY NO. 3 FLOODPLAIN TABLE



ADDISON CREEK TRIBUTARY NO. 2 (NORTH) GRADING DETAIL

FLOODPLAIN VOLUME - ADDISON CREEK TRIBUTARY NO. 2 (NORTH)			
0 TO 10 YEAR FLOODPLAIN ELEVATION - 676.79		10 TO 100 YEAR FLOODPLAIN ELEVATION - 676.90	
FILL (CU FT)	CUT (CU FT)	FILL (CU FT)	CUT (CU FT)
122	2,799	94	155
SURPLUS PROVIDED: 2,677 CU FT		SURPLUS PROVIDED: 61 CU FT	

ADDISON CREEK TRIBUTARY NO. 2 (NORTH) FLOODPLAIN TABLE



ADDISON CREEK TRIBUTARY NO. 2 GRADING DETAIL

FLOODPLAIN VOLUME - ADDISON CREEK TRIBUTARY NO. 2			
0 TO 10 YEAR FLOODPLAIN ELEVATION - 678.20		10 TO 100 YEAR FLOODPLAIN ELEVATION - 678.70	
FILL (CU FT)	CUT (CU FT)	FILL (CU FT)	CUT (CU FT)
23	1,246	123	555
SURPLUS PROVIDED: 1,223 CU FT		SURPLUS PROVIDED: 432 CU FT	

ADDISON CREEK TRIBUTARY NO. 2 FLOODPLAIN TABLE



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CHECKED - RTM	REVISED -
DATE - 10/12/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

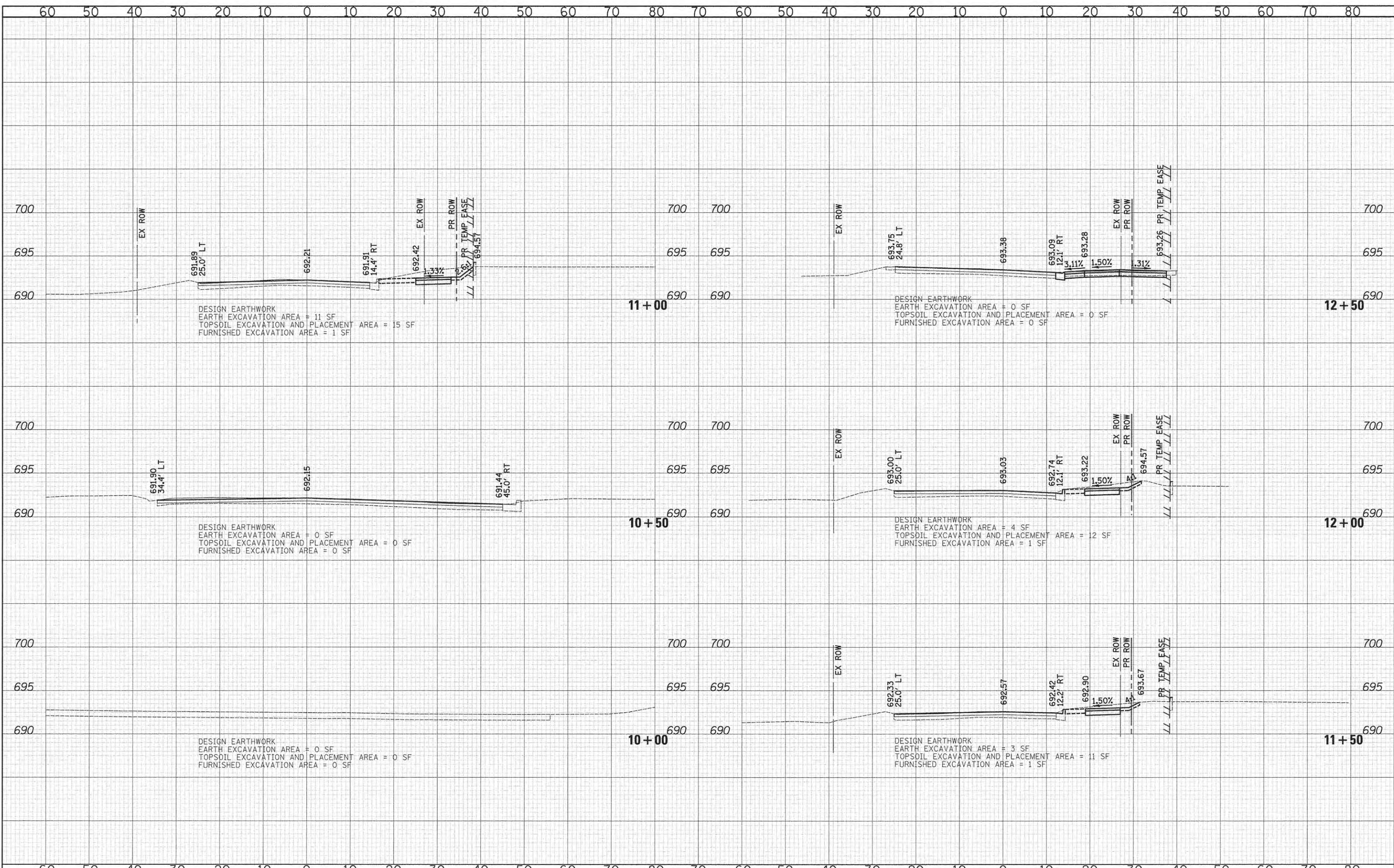
CONSTRUCTION DETAILS

SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	56
CONTRACT NO. 61C10				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

BY	DATE
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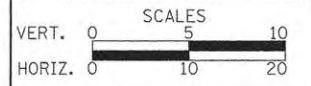
BY	DATE
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DRAWN - TFS	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/12/2015	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



CROSS SECTIONS - CHURCH ROAD

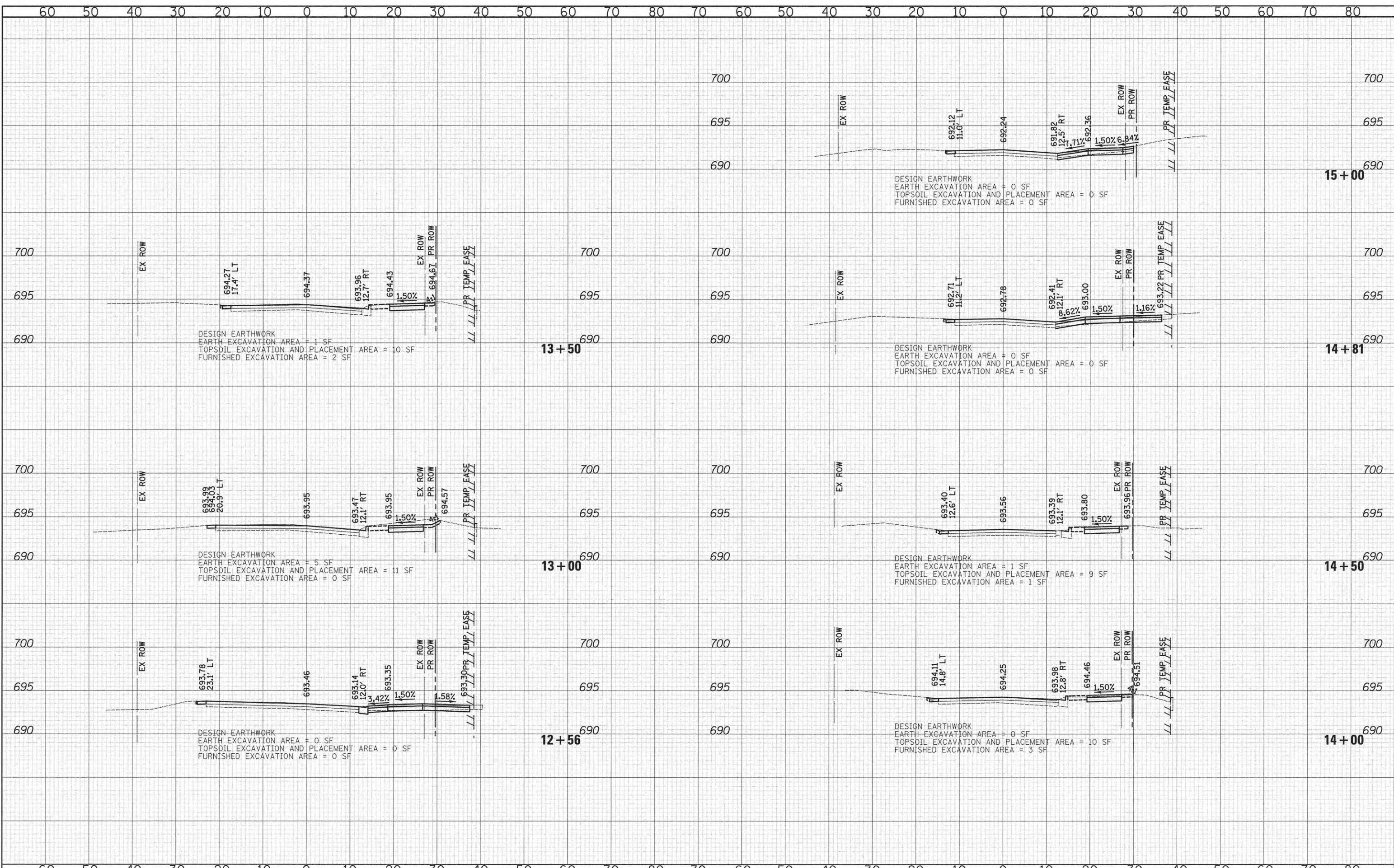
SHEET NO. 1 OF 20 SHEETS STA. 10+00 TO STA. 12+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR		76	57
			CONTRACT NO. 61C10	

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

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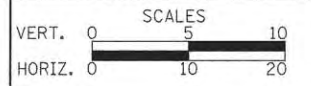
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CHECKED - RTM	REVISED -
DATE - 10/12/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



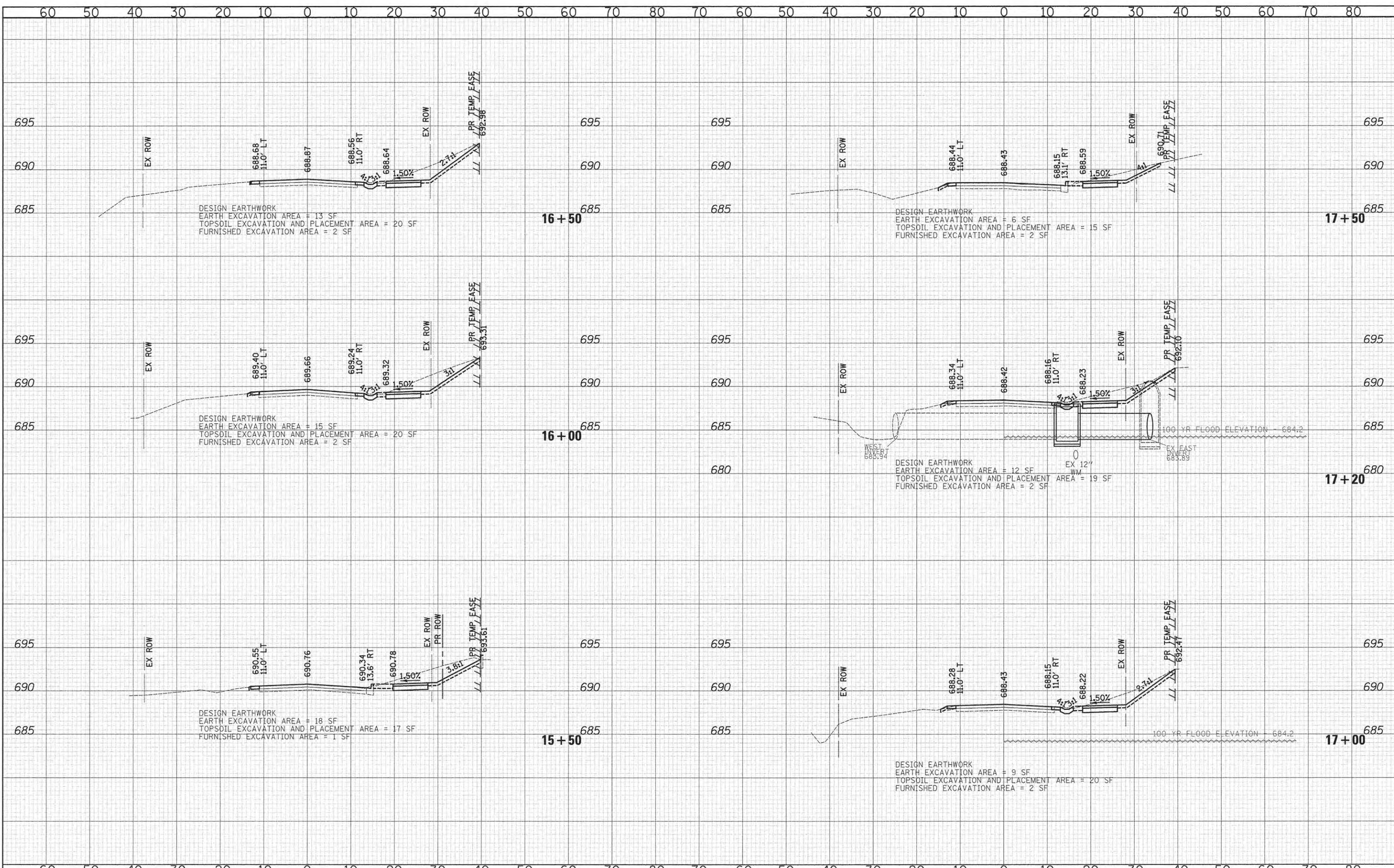
CROSS SECTIONS - CHURCH ROAD

SHEET NO. 2 OF 20 SHEETS STA. 12+56 TO STA. 15+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	58
CONTRACT NO. 61C10			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

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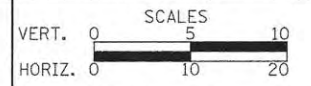
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SURVEYED	
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NOTE BOOK	
AREAS CHECKED	
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CHECKED - RTM	REVISED -
DATE - 10/12/2015	REVISED -

**STATE OF ILLINOIS
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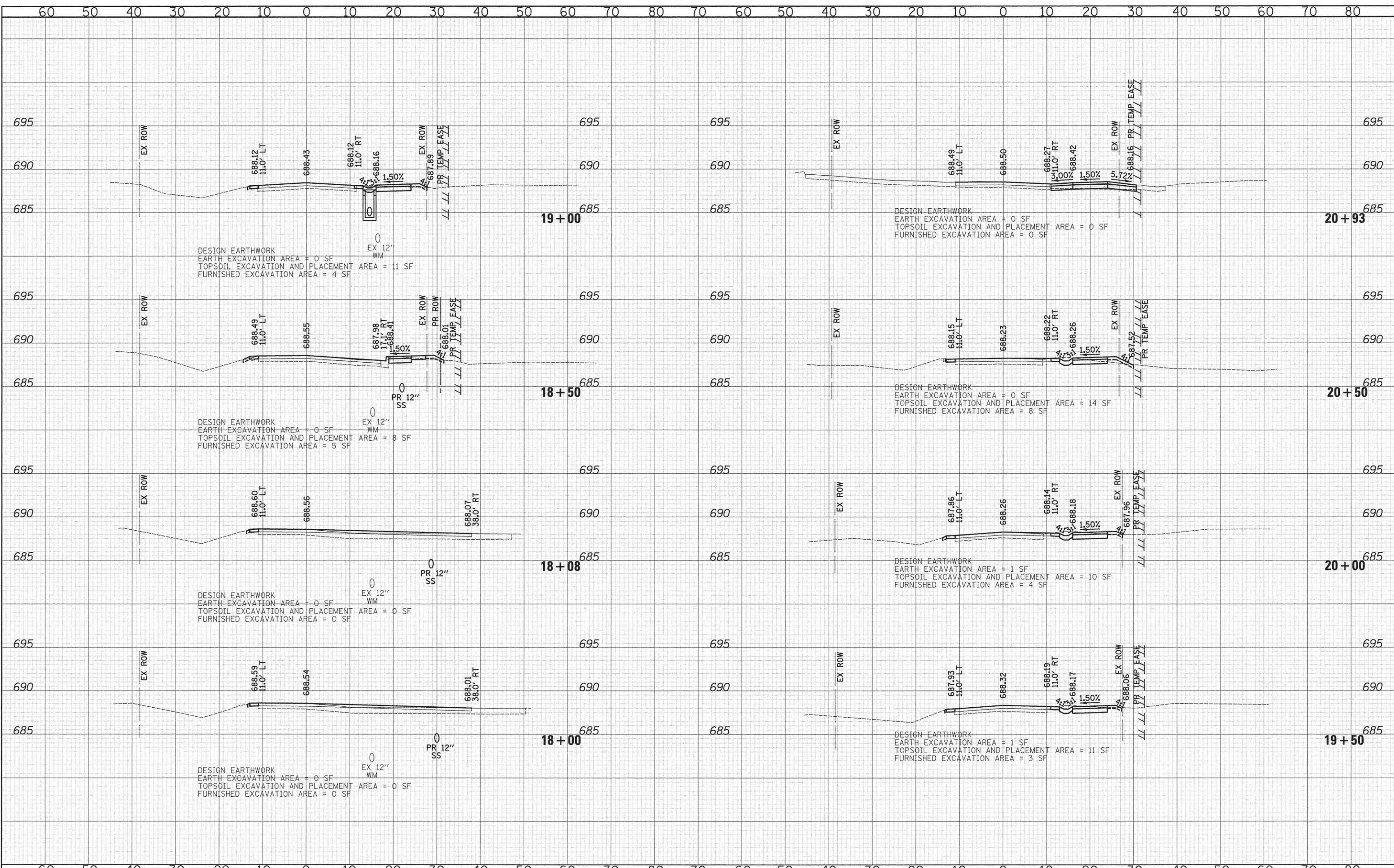
CROSS SECTIONS - CHURCH ROAD

SHEET NO. 3 OF 20 SHEETS STA. 15+50 TO STA. 17+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	59
				CONTRACT NO. 61C10
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

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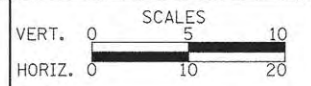
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NOTE BOOK	
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DESIGNED	
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DRAWN - TFS	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/12/2015	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



CROSS SECTIONS - CHURCH ROAD

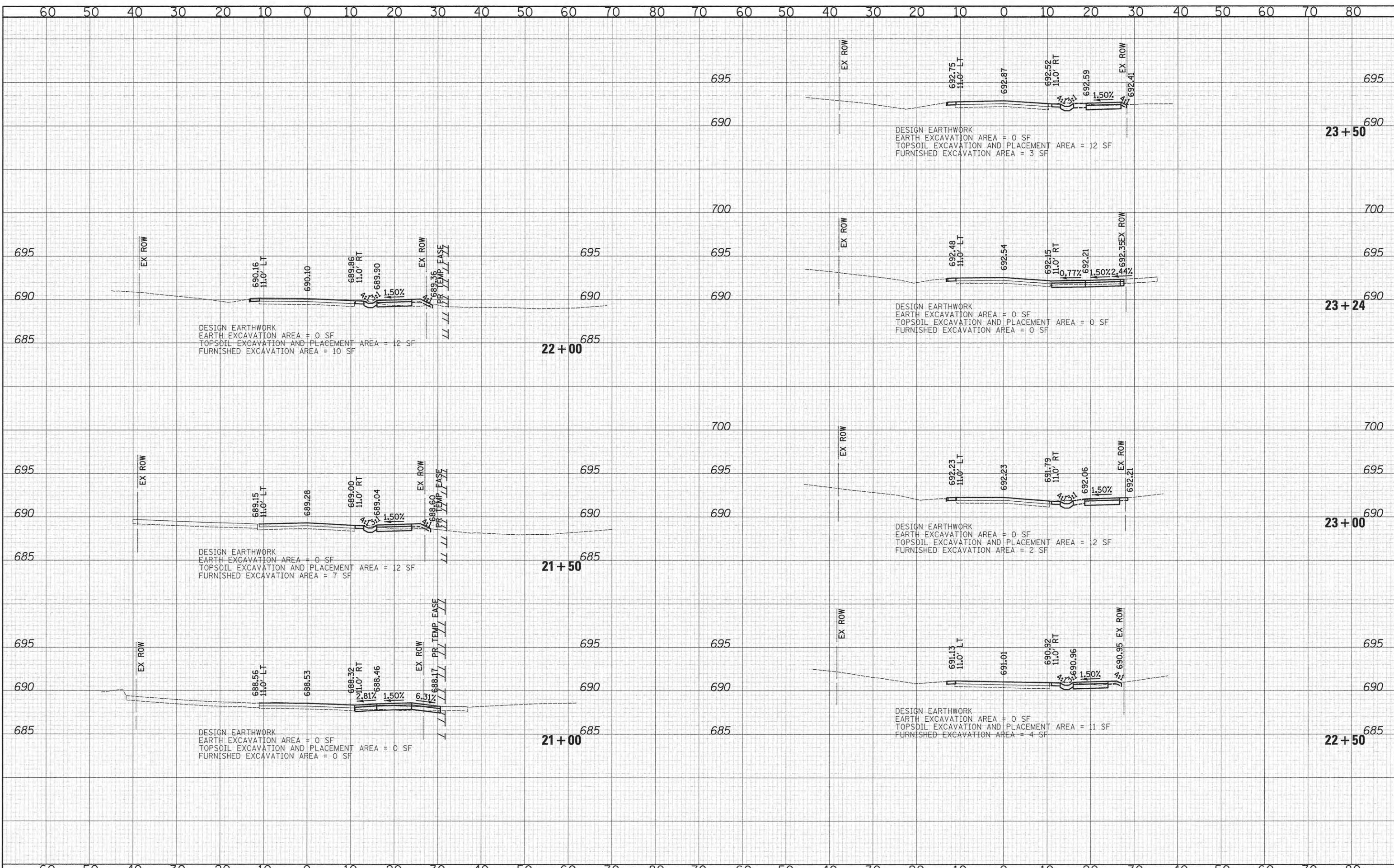
SHEET NO. 4 OF 20 SHEETS STA. 18+00 TO STA. 20+93

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	60
CONTRACT NO. 61C10				

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

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

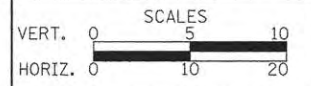
ORIGINAL	SURVEYED	DATE
SURVEY	PLOTTED	BY
NOTE BOOK	SCALE	
NO.	AREAS	CHECKED
	AREAS	CHECKED



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DATE - 10/12/2015	REVISED -

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CROSS SECTIONS - CHURCH ROAD

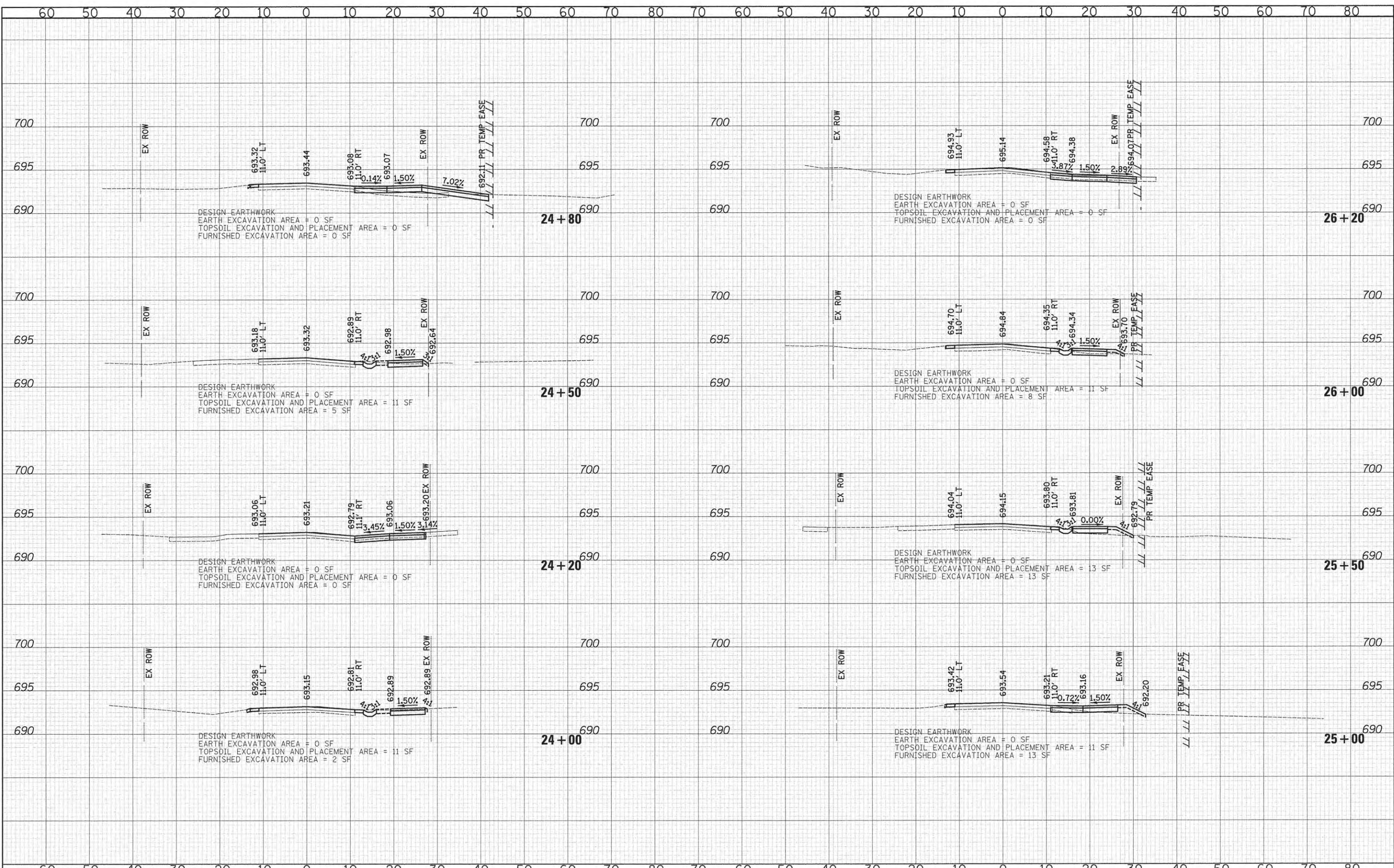
SHEET NO. 5 OF 20 SHEETS STA. 21+00 TO STA. 23+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	61
CONTRACT NO. 61C10				

FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT

DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
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SURVEYED	
TEMPLATE	
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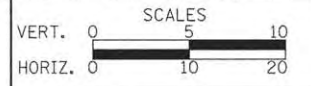
DATE	
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ORIGINAL SURVEY	
NOTE BOOK	
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SURVEYED	
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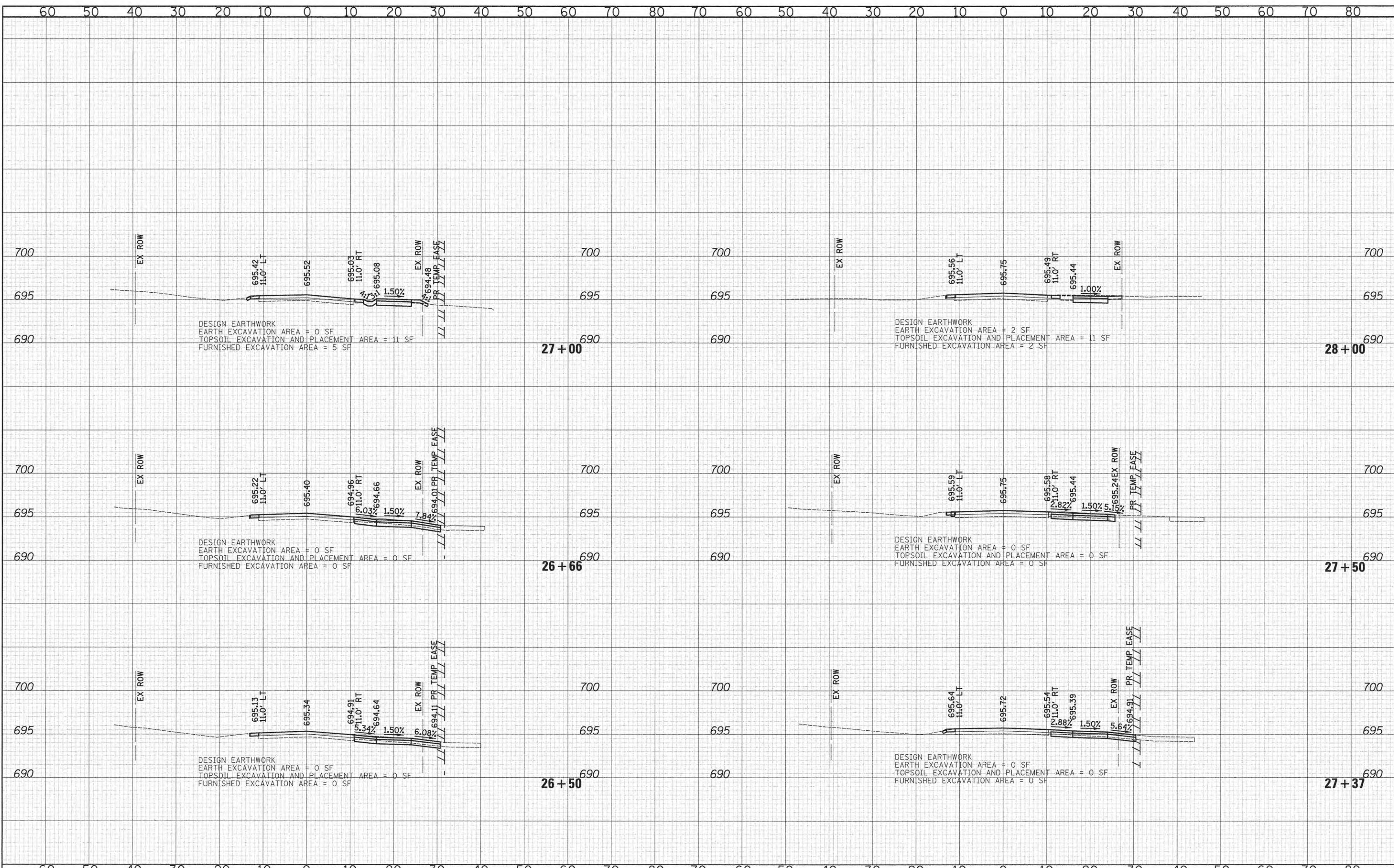
CROSS SECTIONS - CHURCH ROAD

SHEET NO. 6 OF 20 SHEETS STA. 24+00 TO STA. 26+20

F.A.U. RTE. 2667	SECTION 13-00089-00-WR	COUNTY	TOTAL SHEETS 76	SHEET NO. 62
CONTRACT NO. 61C10			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

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TEMPLATE	
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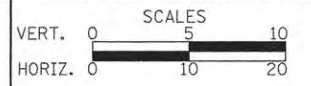
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CROSS SECTIONS - CHURCH ROAD

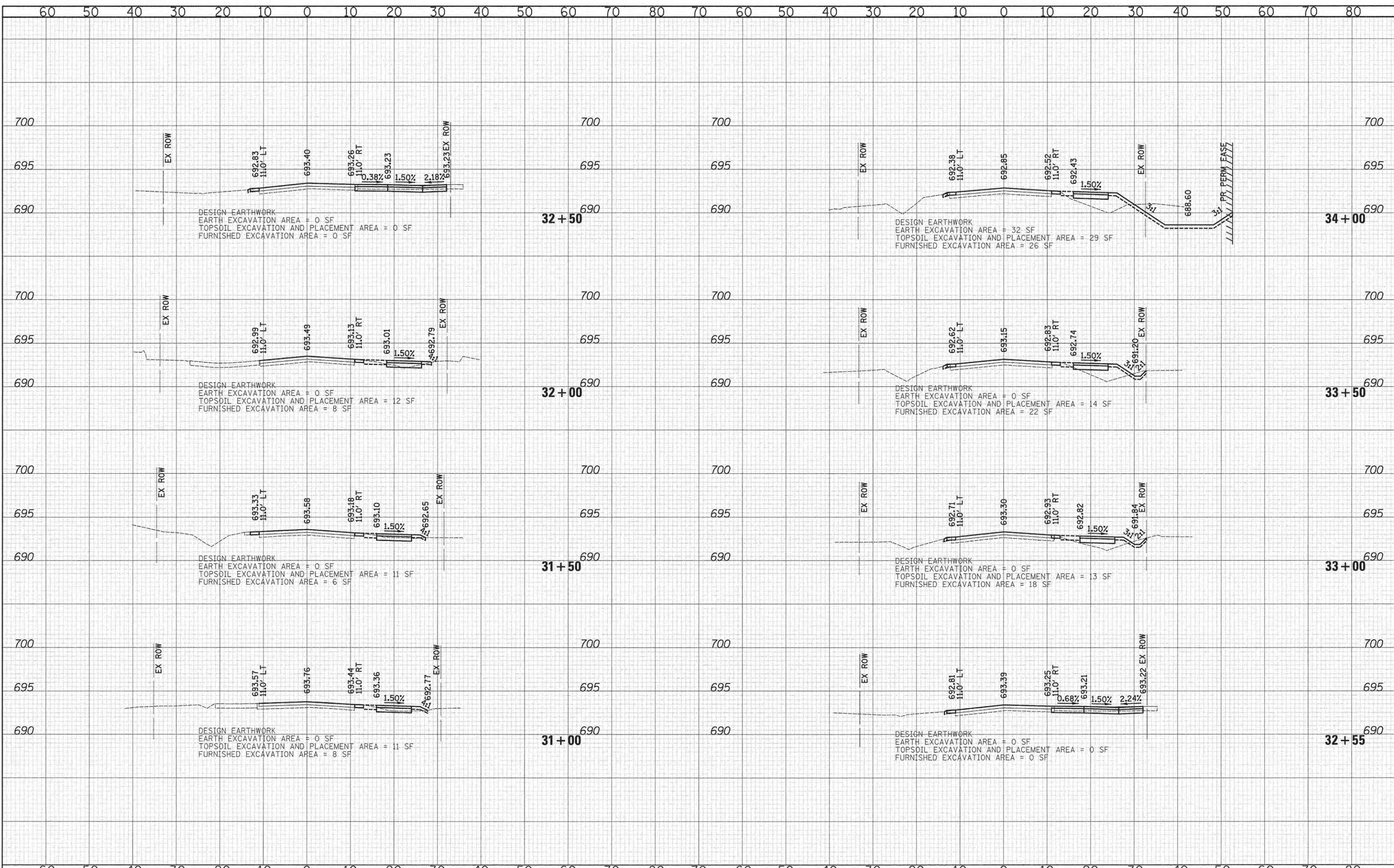
SHEET NO. 7 OF 20 SHEETS STA. 26+50 TO STA. 28+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	63
CONTRACT NO. 61C10				

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

DATE	
BY	
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AREAS	
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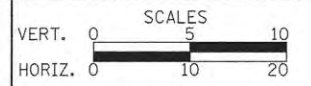
DATE	
BY	
ORIGINAL SURVEY	
REVISED	
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TEMPORARY	
AREAS	
CHECKED	
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CHECKED - RTM	REVISED -
DATE - 10/12/2015	REVISED -

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CROSS SECTIONS - CHURCH ROAD

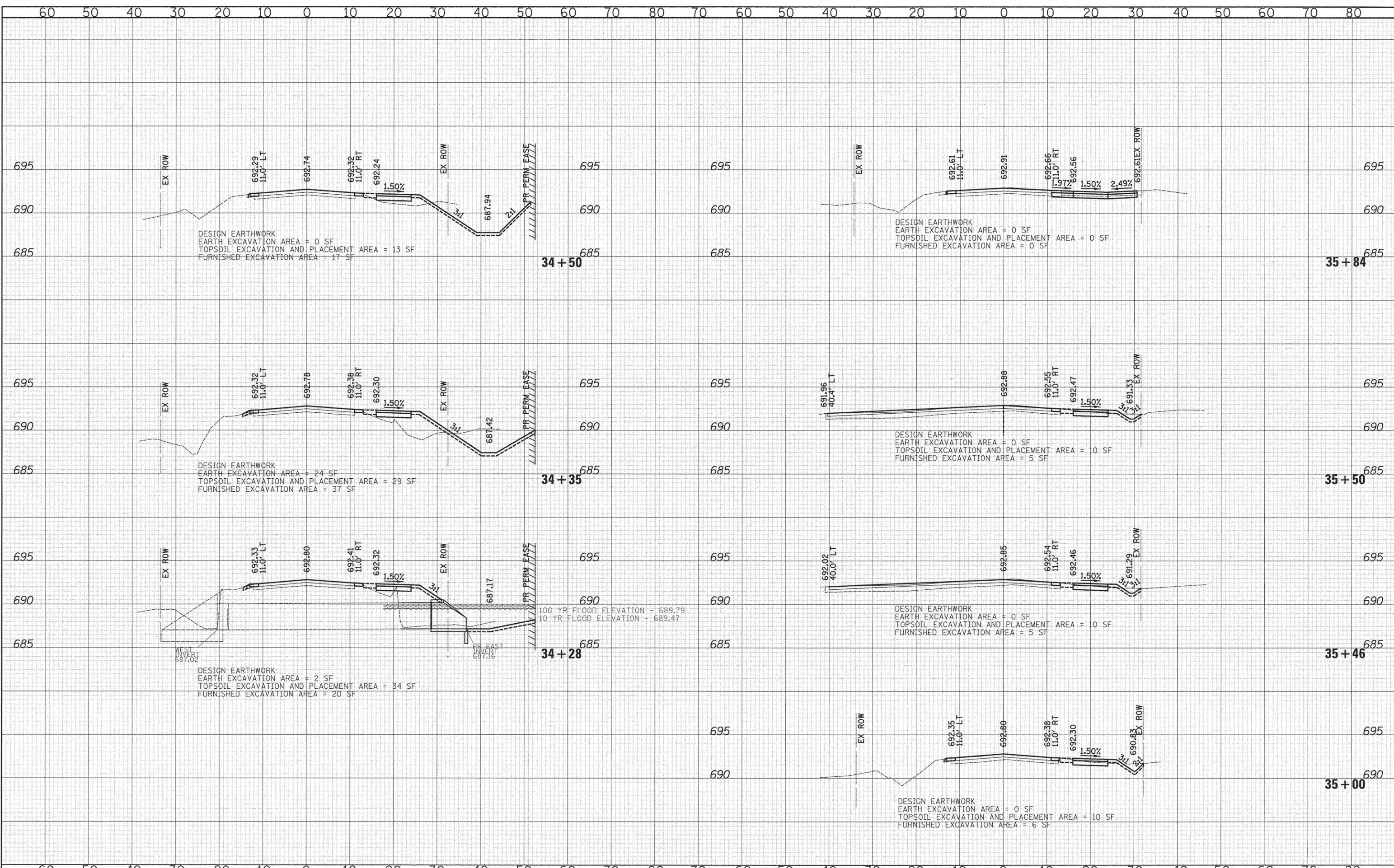
SHEET NO. 9 OF 20 SHEETS STA. 31+00 TO STA. 34+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	65
CONTRACT NO. 61C10				

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
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TEMPLATE	
AREAS	
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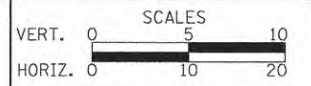
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ORIGINAL SURVEY	
NOTE BOOK	
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SURVEYED	
TEMPLATE	
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DATE - 10/12/2015	REVISED -

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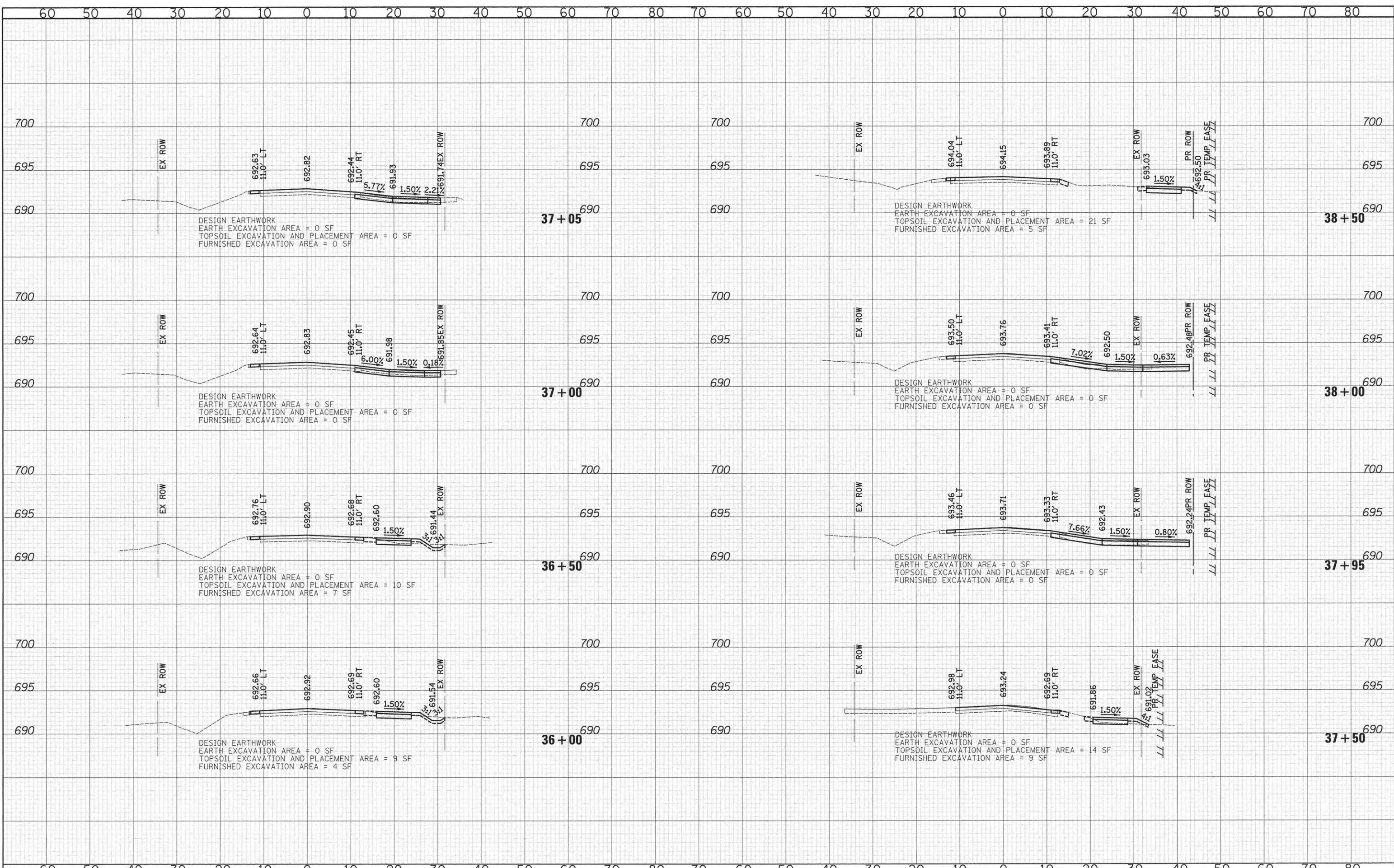
CROSS SECTIONS - CHURCH ROAD

SHEET NO. 10 OF 20 SHEETS STA. 34+28 TO STA. 35+84

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	66
CONTRACT NO. 61C10				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
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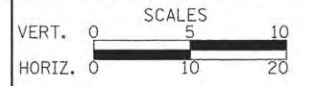
DATE	
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NOTE BOOK	
AREAS CHECKED	
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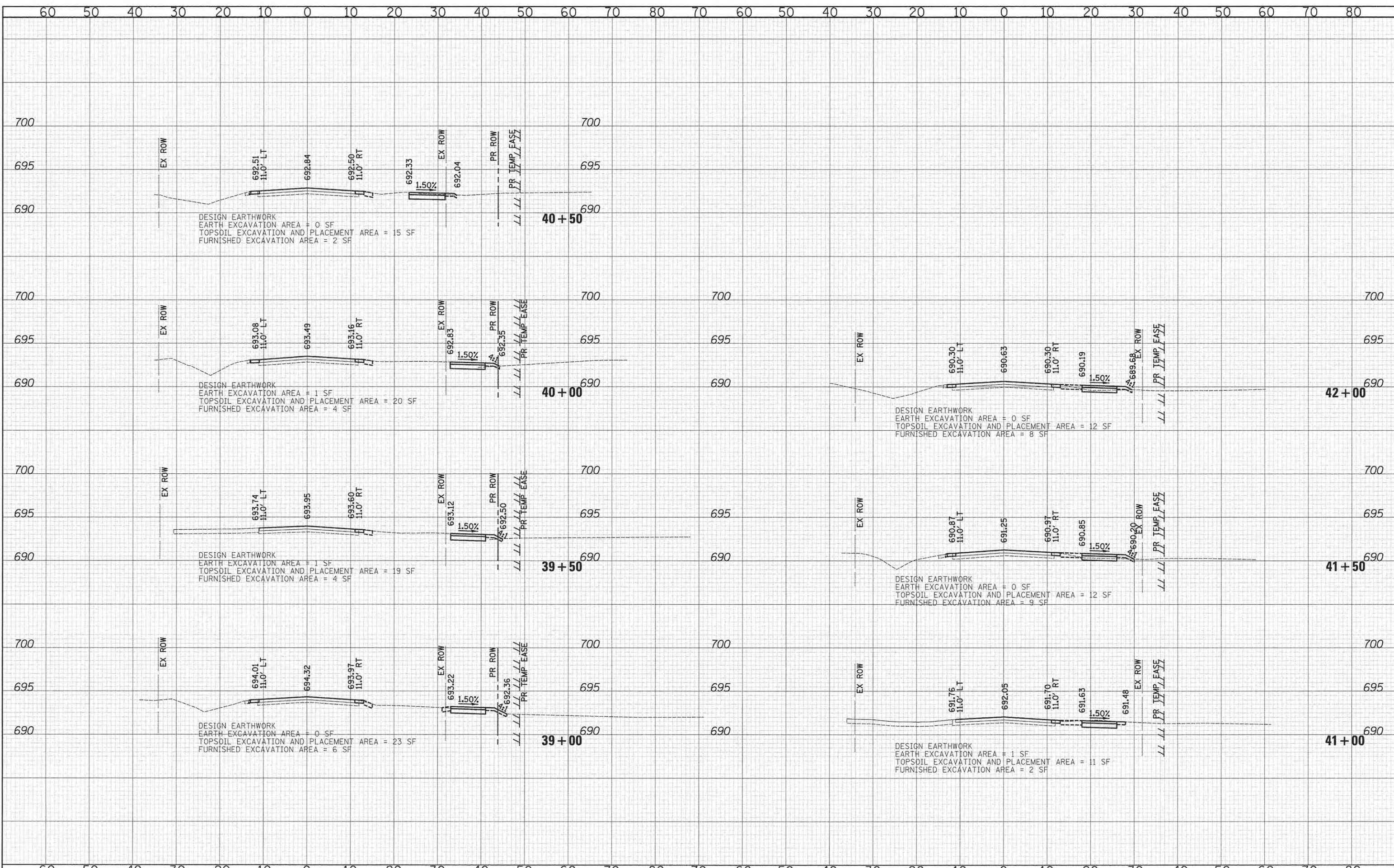
CROSS SECTIONS - CHURCH ROAD

SHEET NO. 11 OF 20 SHEETS STA. 36+00 TO STA. 38+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	67
CONTRACT NO. 61C10				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
DATE	
NO. OF SHEETS	
AREAS CHECKED	

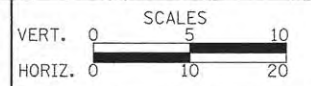
DATE	
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SURVEYED	
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DATE	
NO. OF SHEETS	
AREAS CHECKED	



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CROSS SECTIONS - CHURCH ROAD

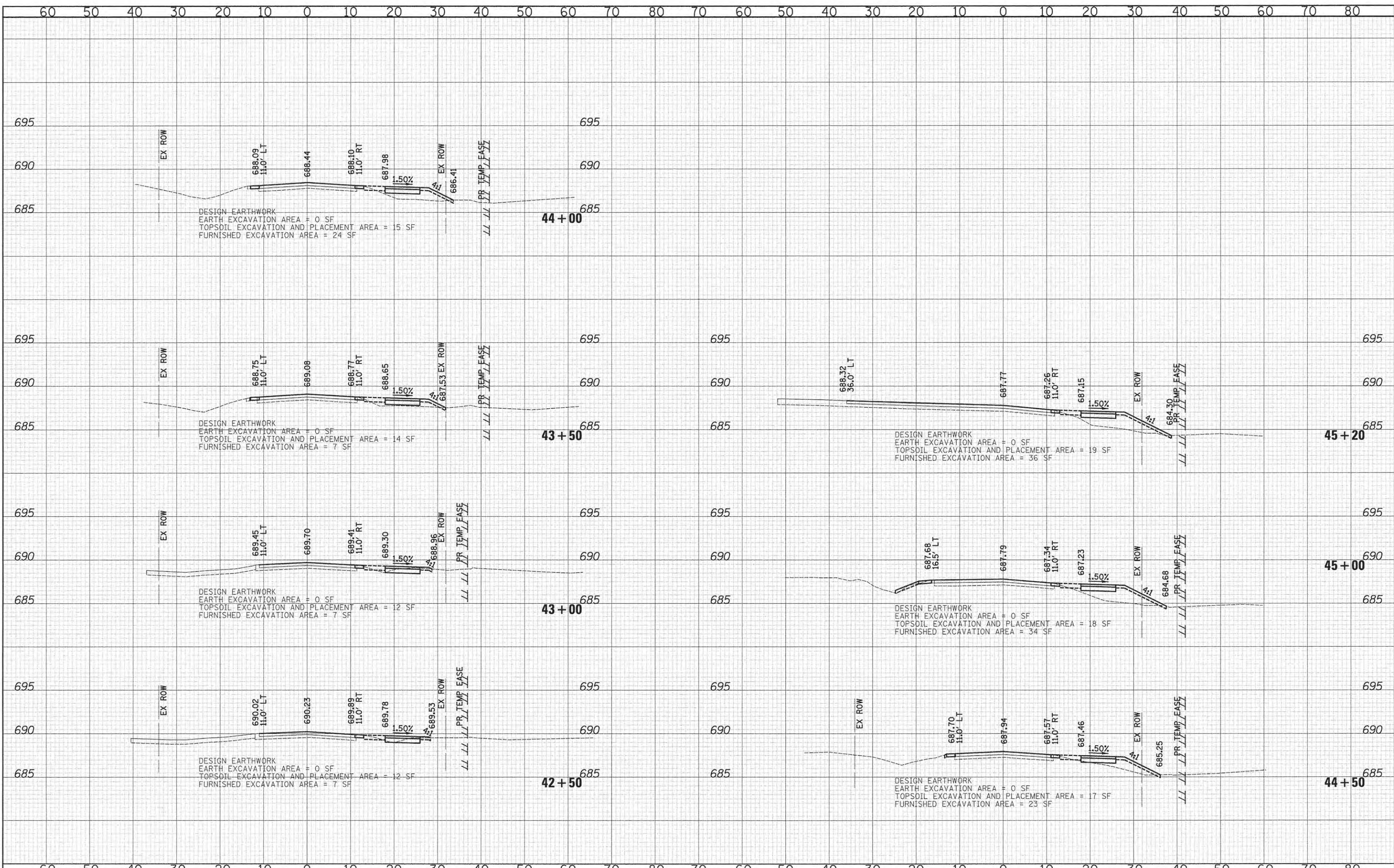
SHEET NO. 12 OF 20 SHEETS STA. 39+00 TO STA. 42+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	68
CONTRACT NO. 61C10				

FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
	DATE
	AREAS
	CHECKED

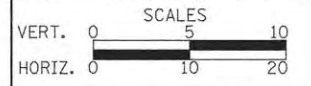
DATE	
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
	DATE
	AREAS
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DATE - 10/12/2015	REVISED -

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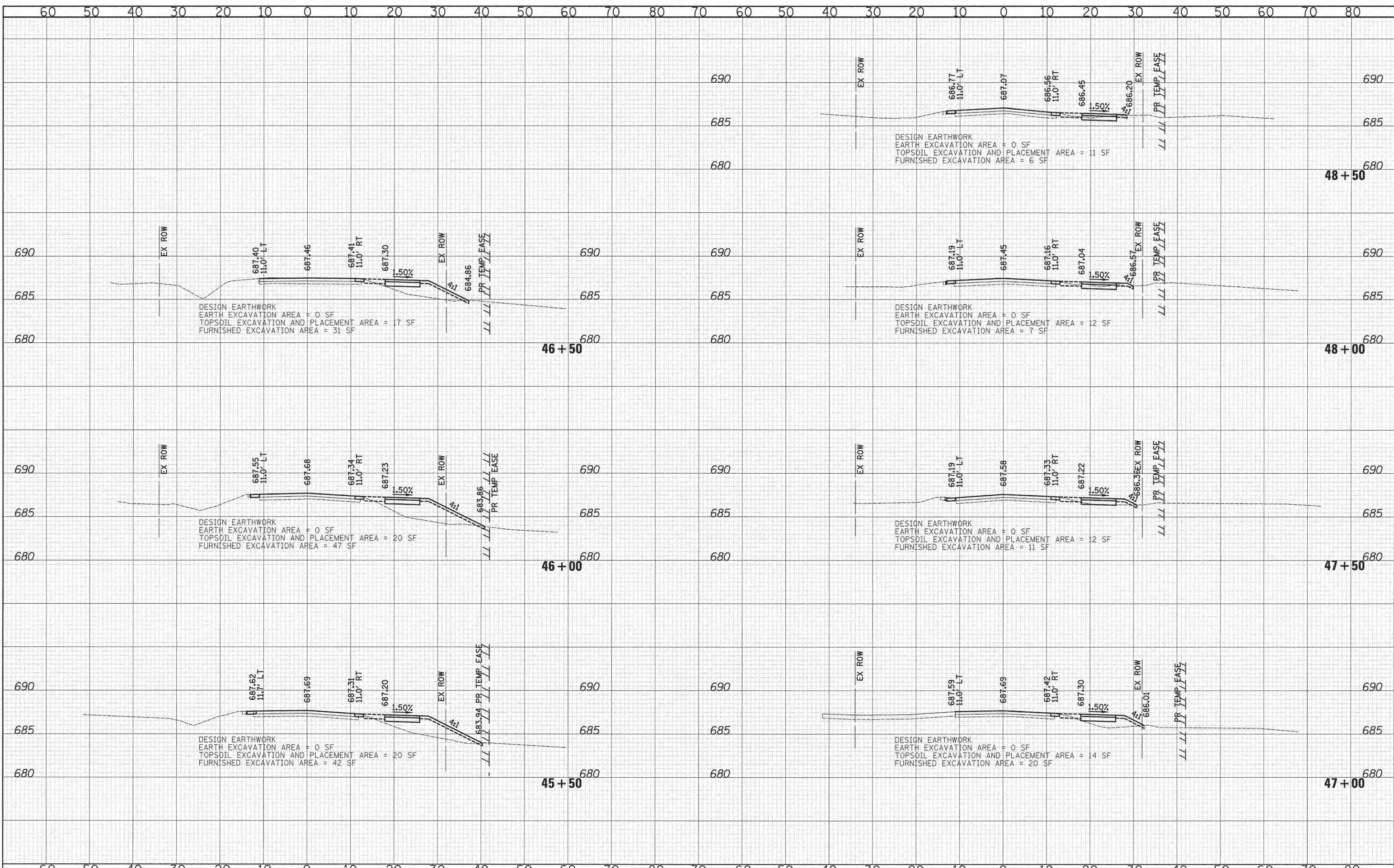
CROSS SECTIONS - CHURCH ROAD

SHEET NO. 13 OF 20 SHEETS STA. 42+50 TO STA. 45+20

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	69
CONTRACT NO. 61C10				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FINAL SURVEY	DATE
SURVEYED	BY
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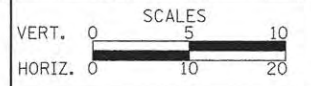
ORIGINAL SURVEY	DATE
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CROSS SECTIONS - CHURCH ROAD

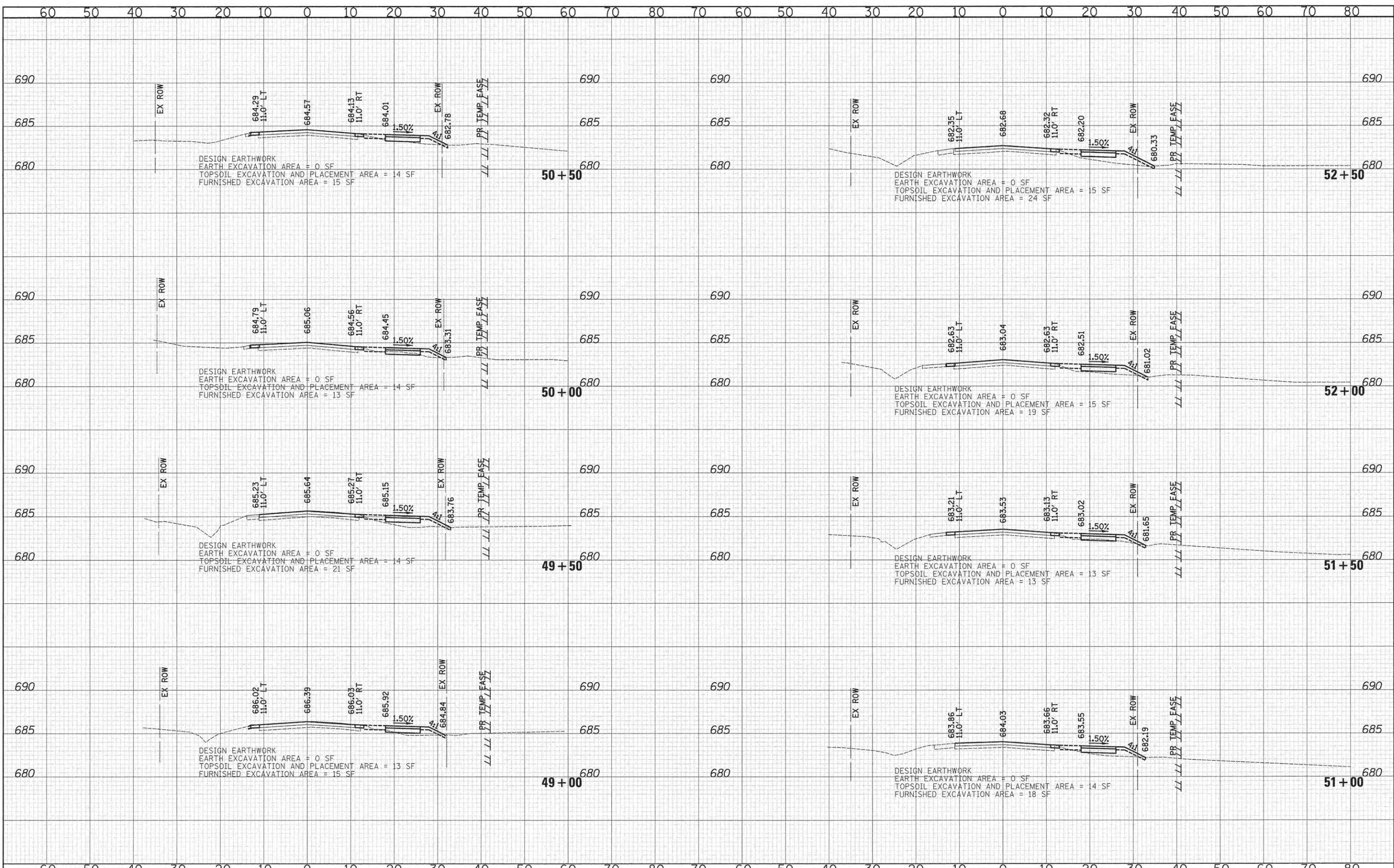
SHEET NO. 14 OF 20 SHEETS STA. 45+50 TO STA. 48+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	70
CONTRACT NO. 61C10				

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

DATE	
BY	
FINAL SURVEY	
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PLOTTED	
NOTE BOOK	
AREAS CHECKED	
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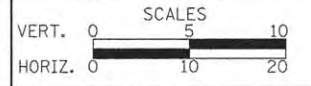
DATE	
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ORIGINAL SURVEY	
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NOTE BOOK	
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DRAWN - TFS	REVISED -
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DATE - 10/12/2015	REVISED -

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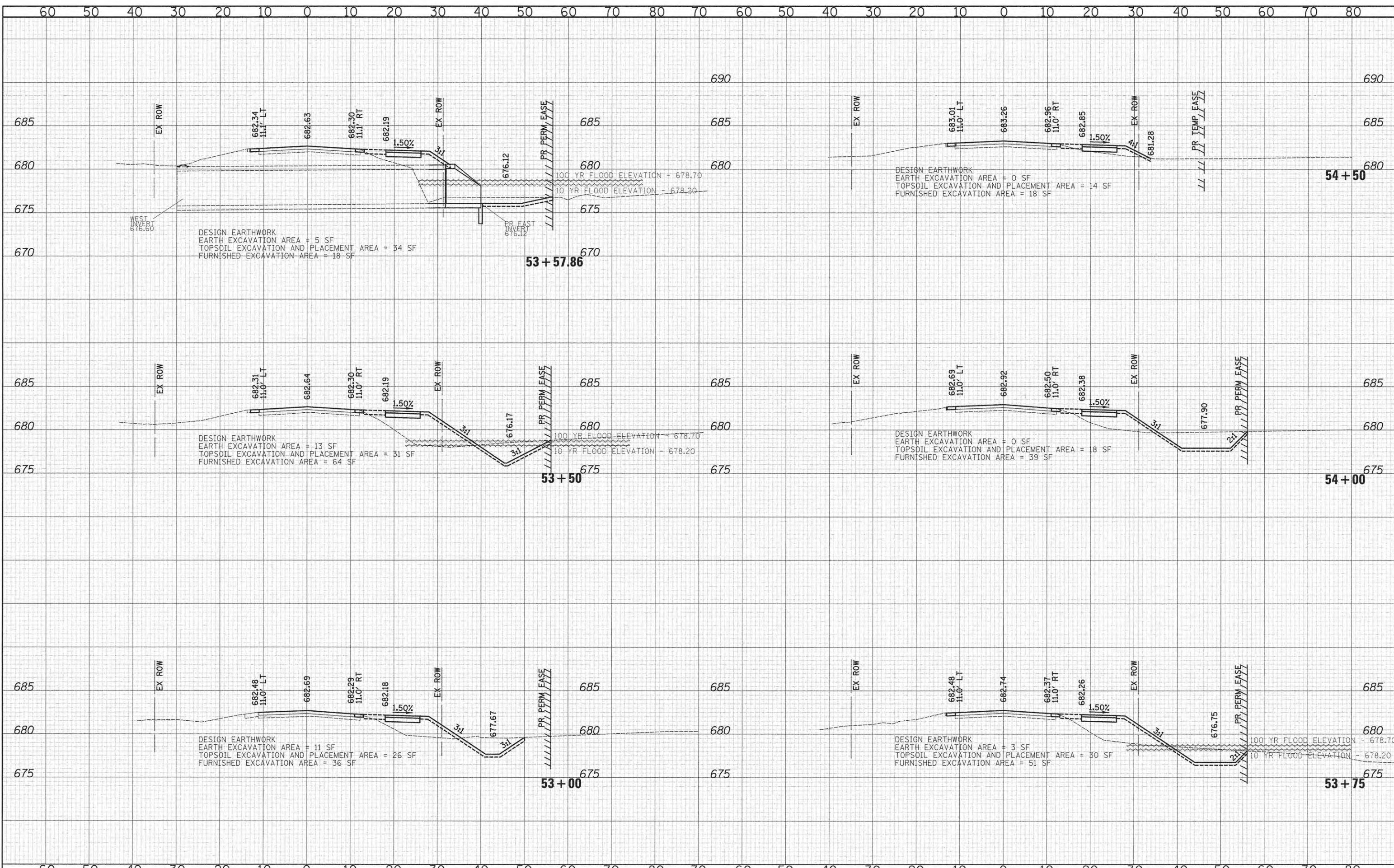
CROSS SECTIONS - CHURCH ROAD

SHEET NO. 15 OF 20 SHEETS STA. 49+00 TO STA. 52+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	71
CONTRACT NO. 61C10				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
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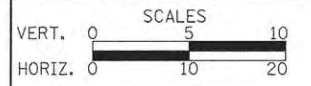
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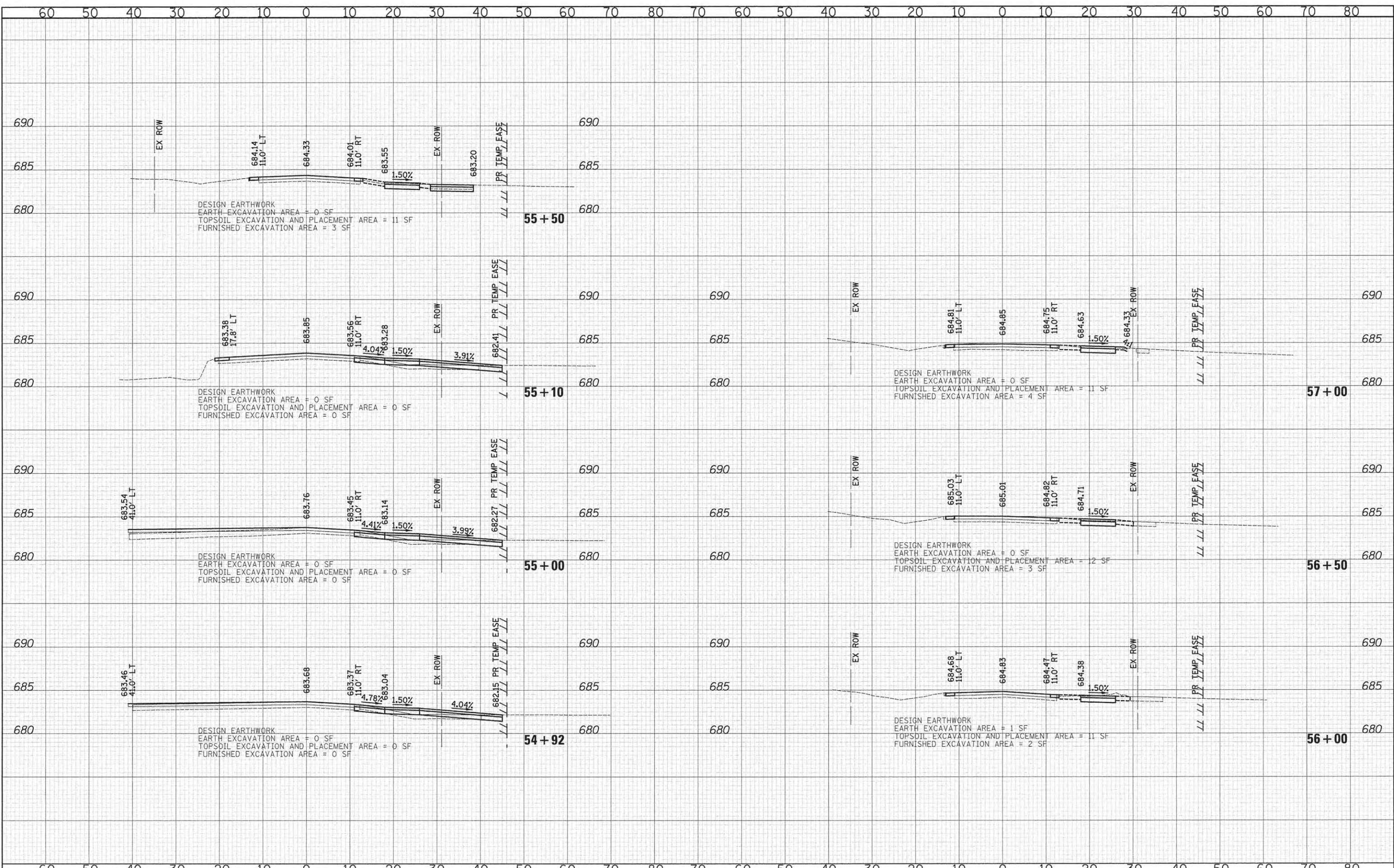
CROSS SECTIONS - CHURCH ROAD

SHEET NO. 16 OF 20 SHEETS STA. 53+00 TO STA. 54+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	72
CONTRACT NO. 61C10			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

DATE	
BY	
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DATE - 10/12/2015	REVISED -

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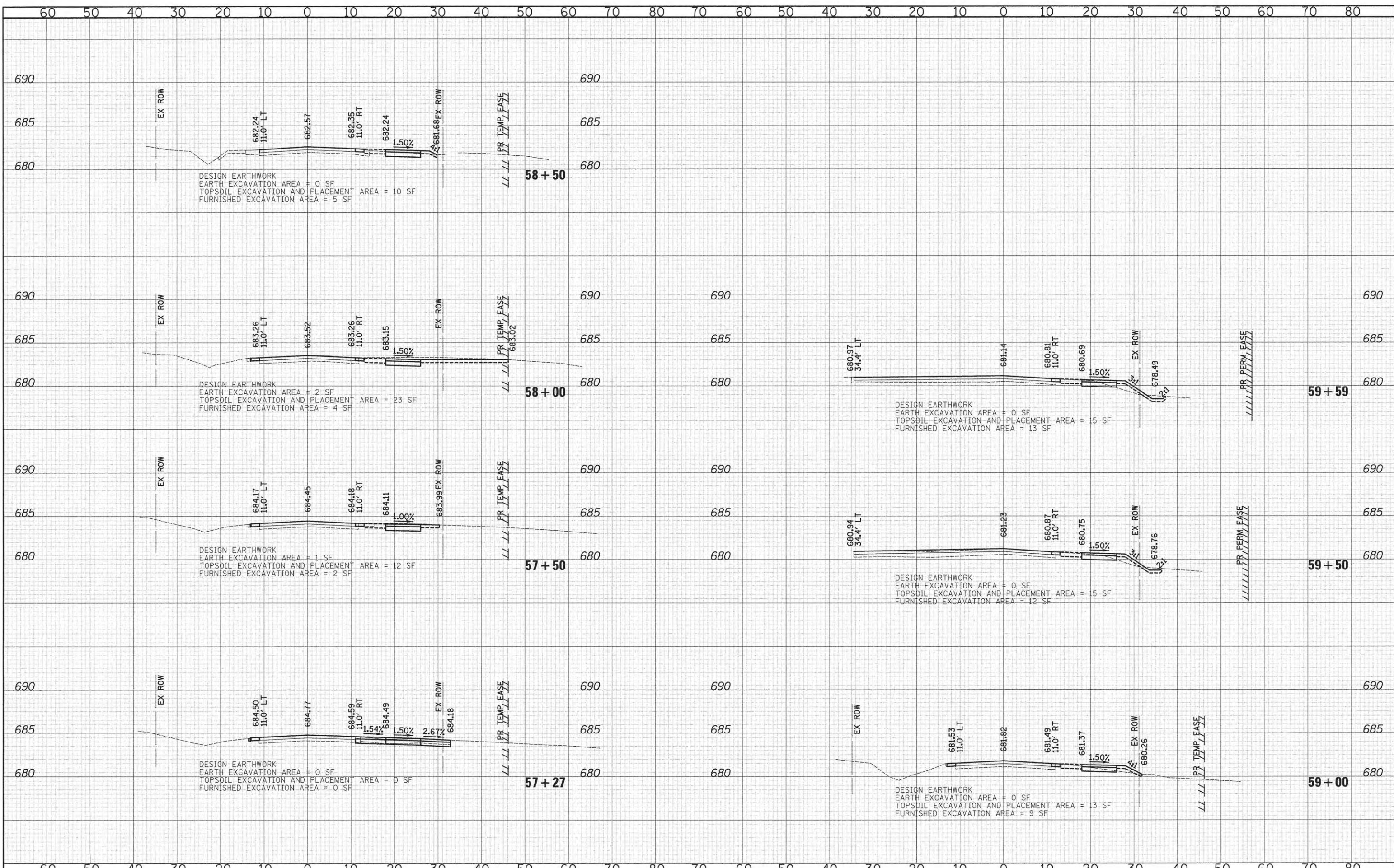
CROSS SECTIONS - CHURCH ROAD

SHEET NO. 17 OF 20 SHEETS STA. 54+92 TO STA. 57+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	73
CONTRACT NO. 61C10				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	
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NO. OF SHEETS	
AREAS CHECKED	

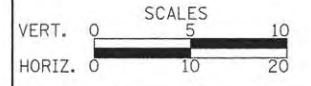
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DATE	
NO. OF SHEETS	
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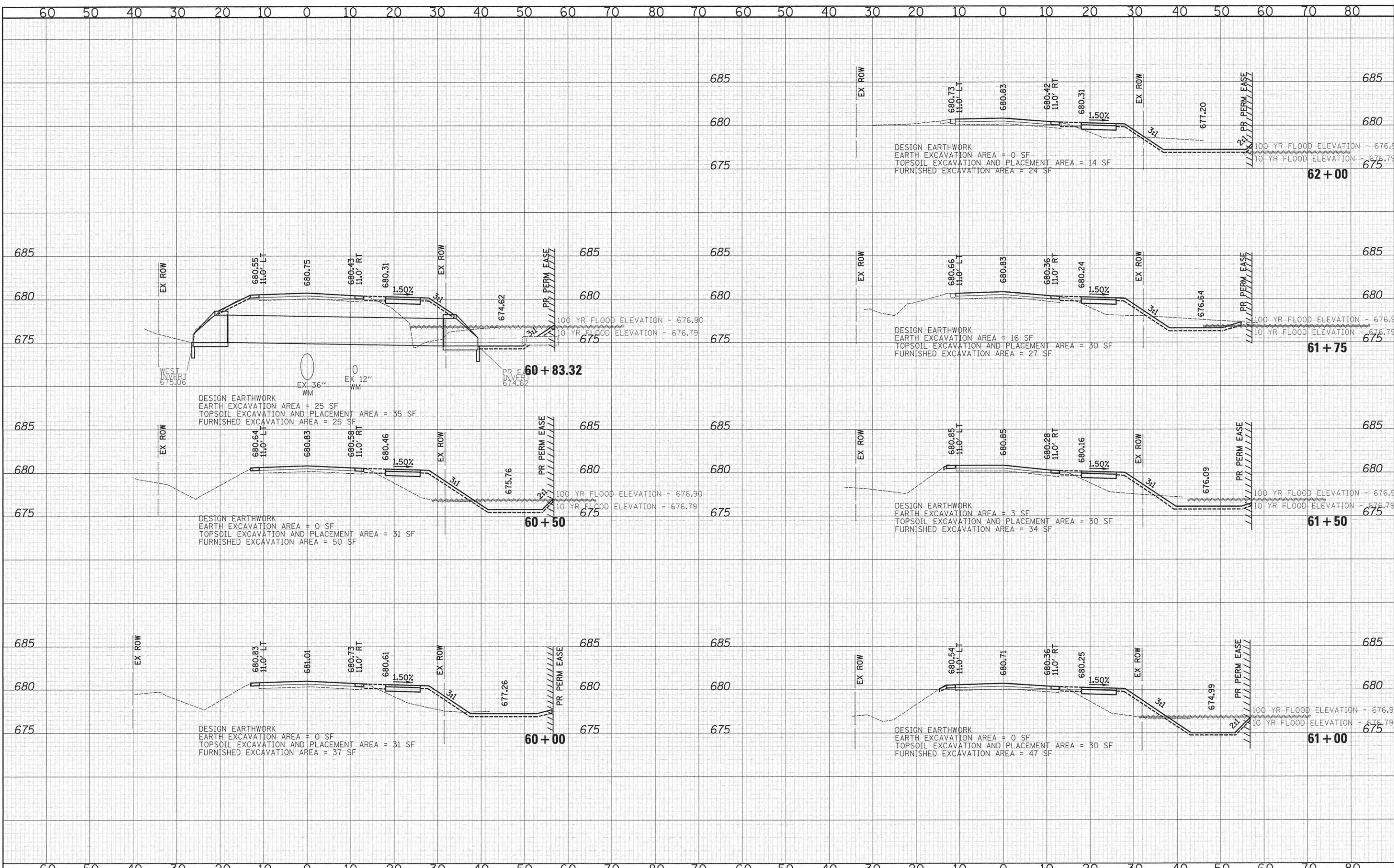
CROSS SECTIONS - CHURCH ROAD

SHEET NO. 18 OF 20 SHEETS STA. 57+27 TO STA. 59+59

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	74
CONTRACT NO. 61C10				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

DATE	
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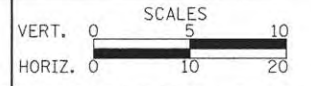
DATE	
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DRAWN - TFS	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/12/2015	REVISED -

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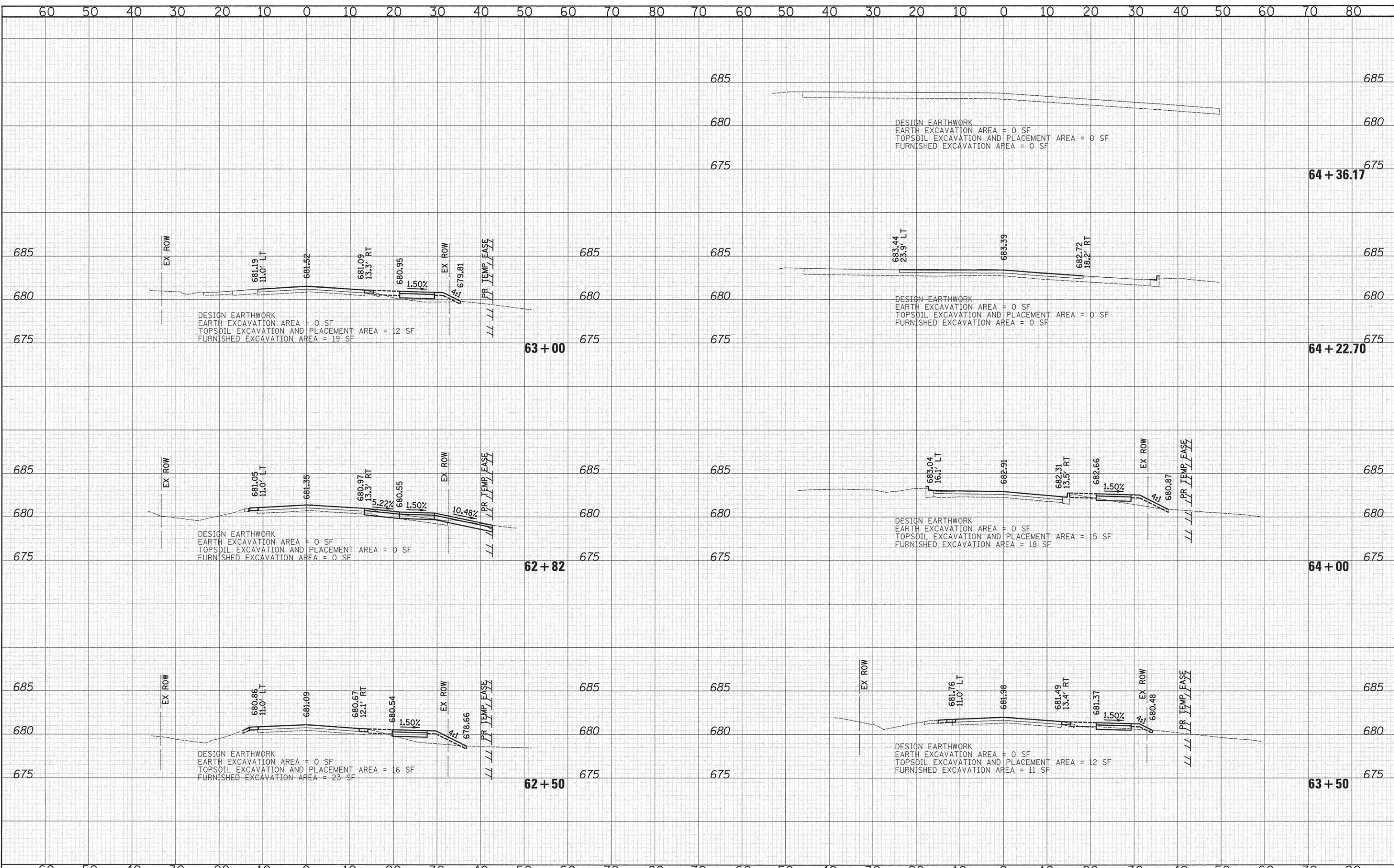
CROSS SECTIONS - CHURCH ROAD

SHEET NO. 19 OF 20 SHEETS STA. 60+00 TO STA. 62+00

F.A.U. RTE. 2667	SECTION 13-00089-00-WR	COUNTY DUPAGE	TOTAL SHEETS 76	SHEET NO. 75
CONTRACT NO. 61C10				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

DATE	
BY	
SURVEYED	
NOTE BOOK	
AREAS CHECKED	

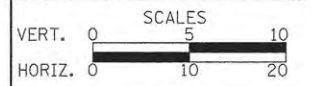
DATE	
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CROSS SECTIONS - CHURCH ROAD

SHEET NO. 20 OF 20 SHEETS STA. 62+50 TO STA. 64+36.17

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2667	13-00089-00-WR	DUPAGE	76	76
				CONTRACT NO. 61C10

FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT