

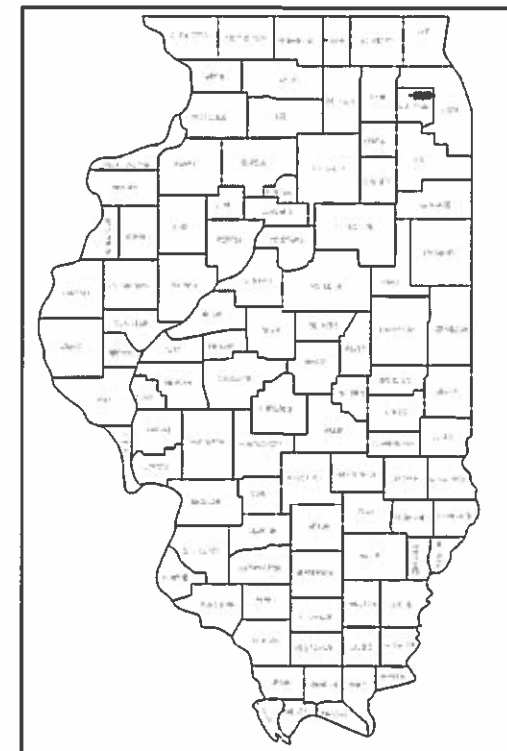
F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	64	1
FED. ROAD DIST. NO. 1			CONTRACT NO. 61E42	
FED. AID PROJECT				

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

FAU RTE 3834 ARMY TRAIL BOULEVARD
ROHLWING ROAD TO MILL ROAD
WATER MAIN REPLACEMENT AND RESURFACING
SECTION 17-00104-00-RS
PROJECT NO: BEPP(400)
VILLAGE OF ADDISON
DUPAGE COUNTY
JOB NO. C-91-132-18



LOCATION OF SECTION INDICATED THUS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Approved: *[Signature]*
 Passed: DECEMBER 21, 2017
[Signature]
 Releasing for Bid Based on Limited Review: DECEMBER 29, 2017
Anthony J. Ruzgys / CAS

APPLIES TO SHEETS 1 - 57
63 - 84



Reid T. Wagner
REGISTERED P.E., STATE OF ILLINOIS EXPIRES 11/30/2019

APPLIES TO SHEETS 58 - 62



[Signature]
REGISTERED P.E., STATE OF ILLINOIS EXPIRES 11/30/2019

PLANS PREPARED BY:

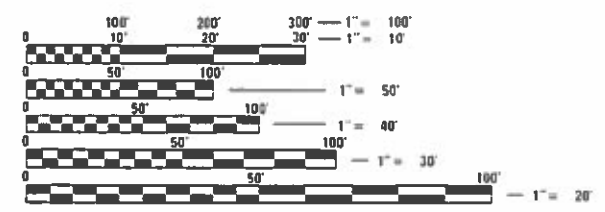


CIVILTECH
Two Perse Place Suite 1400 - Itasca, Illinois 60143
Tel: 630 773 3900 Fax: 630 773 3376
www.civiltech.com

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. 847-705-4406 SCHLAUBURG, IL CONSULTANT ENGINEER: REID T. MAGNER, P.E. CIVILTECH ENGINEERING, INC.

FOR INDEX OF SHEETS AND INDEX OF HIGHWAY STANDARDS SEE SHEET NO. 2
04-27-2018 LETTING ITEM 150

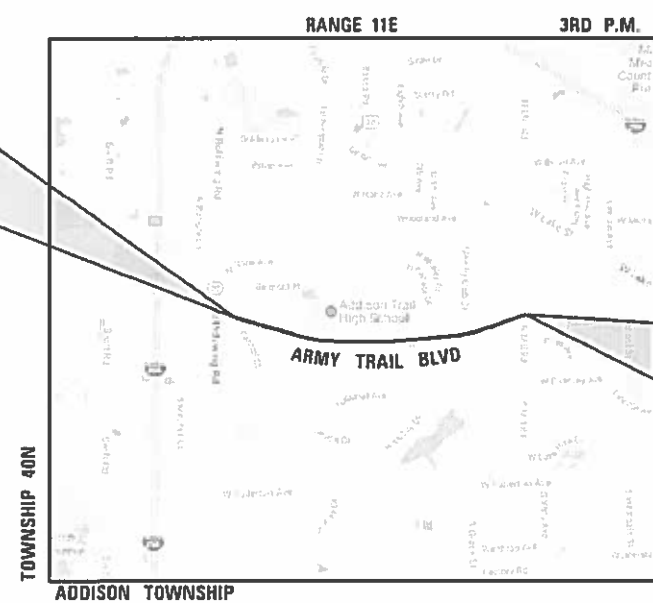
ARMY TRAIL BOULEVARD
DESIGN DESIGNATION = MINOR ARTERIAL
POSTED SPEED = 35 / 40 MPH
EXISTING ADT = 16,700 VPD (2016)



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

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

PROJECT BEGINS
ARMY TRAIL BOULEVARD
IMPROVEMENTS
STA 105 + 71.8



LOCATION MAP
NOT TO SCALE

PROJECT ENDS
ARMY TRAIL BOULEVARD
IMPROVEMENTS
STA 182 + 62.0

PROJECT LENGTH:
ARMY TRAIL BOULEVARD LIMITS - STA 105 + 71.8 TO STA 182 + 62.0
GROSS AND NET LENGTH - 7690.2 FT (1.46 MILES)

CONTRACT NO. 61E42

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

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HIGHWAY STANDARDS

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424011-03	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
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442201-03	CLASS C AND D PATCHES
602001-02	CATCH BASIN TYPE A
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604091-03	FRAME AND GRATE TYPE 24
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701106-02	OFF-RD OPERATION, MULTILANE, MORE THAN 15' AWAY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS <= 40 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
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780001-05	TYPICAL PAVEMENT MARKINGS

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TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
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TC-22	ARTERIAL ROAD INFORMATION SIGN
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GENERAL

- ALL REFERENCES TO "ENGINEER" SHALL BE INTERPRETED TO MEAN THE RESIDENT ENGINEER.
- 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 "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS", 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 IDOT STANDARD.
- THE CONTRACTOR SHALL OBTAIN ALL PERMITS PRIOR TO COMMENCEMENT OF WORK.
- THE CONTRACTOR SHALL CONTACT THE ADDISON COMMUNITY DEVELOPMENT DEPARTMENT (630) 693-7530, THE PUBLIC WORKS DEPARTMENT (630) 620-2020, AND THE ENVIRONMENTAL SERVICES DIVISION (630) 279-2140 OF THE VILLAGE OF ADDISON AND NOTIFY THE ENGINEER, UTILITY COMPANIES, CHURCHES, SCHOOL DISTRICTS, AND LOCAL POLICE AND FIRE DEPARTMENTS 72 HOURS PRIOR TO COMMENCEMENT OF WORK.
- NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET TO THE SATISFACTION OF THE ENGINEER.
- IN ADDITION TO THE REQUIREMENTS OF THE SPECIAL PROVISION FOR CONSTRUCTION LAYOUT STAKES (ILLINOIS DEPARTMENT OF TRANSPORTATION CHECK SHEET #10), THE CONTRACTOR SHALL REESTABLISH, MONUMENT, AND TIE ALL CONTROL POINTS USED TO COMPLETE THE WORK AS SPECIFIED INCLUDING ALL P'S, PC'S, PT'S, AND POT'S. THE TYPE OF MONUMENTATION USED WILL BE PK NAILS, IRON PIPES, RR SPIKES OR AS APPROVED BY THE ENGINEER.
- PROPOSED LINES AND GRADES SHOWN ON THE CONSTRUCTION PLANS REPRESENT FINISHED GRADE ELEVATIONS, UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS, INCLUDING RADII, ARE GIVEN TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- 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.
- CURB AND GUTTER JOINTS SHALL BE PLACED AS PER STANDARD 606001 AND IN ADDITION ONE INCH EXPANSION JOINTS SHALL BE PLACED EVERY 150 FT.
- PROTECTIVE COAT SHALL BE APPLIED IN ALL CASES REGARDLESS OF THE CALENDAR DATE LIMITATIONS CONTAINED IN ARTICLE 420.18. THE PROTECTIVE COATING SHALL BE APPLIED TO THE EXPOSED SURFACES OF THE PORTLAND CEMENT CONCRETE PAVEMENT, CONCRETE SIDEWALK, AND CONCRETE CURB AND GUTTER. PORTLAND CEMENT CONCRETE CURING SHALL BE LIMITED TO METHODS SPECIFIED IN ARTICLE 1020.13 (A) [1], [2] AND [3].
- CONCRETE TRUCK WASHOUT FACILITY SHOULD BE PROVIDED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS" AND SPECIAL PROVISIONS IN THE FIELD BY THE CONTRACTOR AT A LOCATION OR LOCATIONS APPROVED BY THE ENGINEER. WASHING CONCRETE AT CURB AND GUTTER IS STRICTLY PROHIBITED.
- THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK (LUST) CLEANUPS OR THAT IS PRE-QUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.
- THE CONTRACTOR SHALL REMOVE FROM THE PROJECT SITE ALL UNSUITABLE EXCAVATED MATERIAL. THIS MATERIAL WILL BE CLASSIFIED AS ALL MATERIAL THAT THE ENGINEER DEEMS UNSUITABLE, SUCH AS REBAR, ABANDONED WIRE, ETC. THE WASTE EXCAVATED MATERIAL SHALL NOT BE DEPOSITED ON PUBLIC OR PRIVATE PROPERTY UNLESS THE CONTRACTOR FIRST OBTAINS THE WRITTEN PERMISSION FROM THE PROPERTY OWNER OR THE AUTHORIZED REPRESENTATIVE OF THE APPROPRIATE PUBLIC AGENCY. PROVISIONS OF ARTICLE 202.03 STANDARD SPECIFICATIONS SHALL BE ADHERED TO. THE DISPOSAL AREA LOCATION SHALL BE DISCLOSED TO THE 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 LIMIT ALL DROP-OFFS BETWEEN LANES TO 2" DURING ALL OVERNIGHT PERIODS.
- TEMPORARY RAMPS SHALL BE CONSTRUCTED PER SECTION 406 OF THE "STANDARD SPECIFICATIONS" AT THE DIRECTIONS OF THE ENGINEER.
- WHEN DIRECTED BY THE ENGINEER, SUPPLEMENTAL WATERING SHALL BE APPLIED TO ALL SEEDED/SODDED AREAS PRIOR TO FINAL ACCEPTANCE AT A RATE SPECIFIED BY THE ENGINEER AND IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS" AND SPECIAL PROVISIONS.
- THOSE SEEKING THE FULL GEOTECHNICAL REPORT SHOULD CONTACT THE OWNER OF RECORD. CONTACT THE VILLAGE OF ADDISON ENGINEER, KAI LIU, AT 630.693.7535 TO MAKE ARRANGEMENTS FOR ACCESS TO THIS INFORMATION. SEE AVAILABLE REPORTS SPECIAL PROVISION.

STORM SEWERS, STRUCTURES AND UTILITIES

- 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).
- 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 107.39. 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 BE RESPONSIBLE FOR CONTACTING LOCAL AGENCIES MAINTAINING STORM & SANITARY SEWERS AND WATER MAINS TO VERIFY THE MATERIALS AND METHODS ALLOWED FOR THE ADJUSTMENT OR RELOCATION OF THEIR FACILITIES, IF NECESSARY.
- FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE.
- WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS OR STRUCTURES. HE SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS, AND DISCHARGE THE SAME. HE SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET. HE SHALL BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWERS ARE BUILT AND IN SERVICE.
- HMA OR CONCRETE PAVEMENT CROSSINGS REMOVED DUE TO STORM SEWER, WATER MAIN, OR CULVERT WORK SHALL NOT BE LEFT IN GRAVEL OVERNIGHT. THIS INCLUDES THE MAIN ROADS, SIDE STREETS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES AND PARKING AREAS. TEMPORARY HMA PAVEMENT MAY BE USED IN LIEU OF IMMEDIATE PAVEMENT PLACEMENT. PAVEMENT REMOVED AS PART OF UTILITY INSTALLATIONS SHALL NOT BE LEFT UNPROTECTED, AND SHALL BE COVERED WITH PLATING AT THE DIRECTION OF THE ENGINEER OR REPLACED WITH PERMANENT PAVEMENT.
- ALL IMPACTED SERVICES TO BE REPLACED WITH NEW BOX-CURB STOP, CORP & COPPER.
- THE FIRST TWO JOINTS ON THE WATERMAIN BEYOND ANY VALVE, BEND, CROSS OR TEE SHALL BE RESTRAINED WITH:
 - LOK-RING JOINTS BY AMERICAN CAST IRON PIPE
 - TR-FLEX JOINTS BY U.S. PIPE
 - FIELDLOK JOINTS BY MUELLER COMPANY, OR
 - MEGA LUGS BY EBAA IRON.
 ALL WATER MAIN & MATERIALS SHALL BE MADE IN THE UNITED STATES OF AMERICA.
- ALL MATERIAL PLACED IN TRENCHES SHALL BE MECHANICALLY COMPACTED IN MAXIMUM ONE FOOT LIFTS. JETTING OF TRENCHES WILL NOT BE PERMITTED.
- ALL VALVE VAULTS SHALL HAVE LOCKING TEES.
- THE CONTRACTOR SHALL CONFIRM ALL EXISTING STORM SEWER PIPE SIZES AND INVERTS PRIOR TO ORDERING STRUCTURES. ANY MODIFICATION OF STRUCTURES DUE TO THE FAILURE OF THE CONTRACTOR TO PERFORM THIS TASK SHALL BE AT THE CONTRACTOR'S EXPENSE AND MAY LEAD TO THE REJECTION OF THE STRUCTURE IN THE FIELD.
- 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.
- ALL STRUCTURES DESIGNATED TO BE ADJUSTED, SPECIAL ADJUSTED OR RECONSTRUCTED SHALL HAVE NEW FRAMES, LIDS AND GRATES PROVIDED.

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

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



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DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	RTM	REVISED -	
DATE -	12/07/2017	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, INDEX OF SHEETS, AND
LIST OF STATE AND LOCAL STANDARDS

SHEET NO. 1 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	2
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

STORM SEWERS, STRUCTURES AND UTILITIES

34. THE STATION/OFFSET/ELEVATIONS NOTED FOR ALL DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION OF THE ADJACENT PROPOSED EDGE OF PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE OFFSET NECESSARY FOR EACH STRUCTURE TO SET THE FRAME AND GRATE IN THE PROPER LOCATION. ALL OTHER STRUCTURES ARE DIMENSIONED TO THE CENTER OF THE STRUCTURE. FLAT TOPS AND CONES ARE TO BE TURNED SO THAT THE FRAME IS CLOSEST TO THE CENTER LINE OF THE ROAD, UNLESS OTHERWISE NOTED ON THE STRUCTURE IN THE PLANS.

DRIVEWAYS AND ENTRANCES

35. EXISTING HMA DRIVES SHALL BE SAW CUT AT THE RIGHT-OF-WAY LINE. THE DRIVEWAY SHALL BE REMOVED TO THE SAW CUT.
36. EXISTING P.C. CONCRETE DRIVES SHALL BE SAW CUT AT THE RIGHT-OF-WAY LINE AND REMOVED. THE DRIVE SHALL BE RECONSTRUCTED TO THE SAME WIDTH WITH 6 INCHES (PE) OR 8 INCHES (CE) OF AGGREGATE BASE AND 8 INCHES OF P.C. CONCRETE UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
37. THE STATIONS NOTED FOR DRIVEWAYS REFER TO THE POSITION OF THE CENTER OF THE DRIVEWAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LAYOUT OF EACH DRIVEWAY BASED UPON IDOT DISTRICT 1 DRIVEWAY DETAIL STANDARDS.
38. ALL DRIVEWAYS SHALL BE REPLACED TO THE SIDEWALK/R.O.W. LINE UNLESS OTHERWISE NOTED OR DIRECTED BY THE ENGINEER.

SIGNING, STRIPING, AND LANDSCAPING

39. ALL WORK INVOLVING SIGNS SHALL BE GOVERNED BY ARTICLE 107.25 AND THE FOLLOWING REQUIREMENTS:
- A) SIGNS SHALL NOT BE MOVED UNTIL PROGRESS OF WORK NECESSITATES IT.
 - B) EVERY SIGN TO BE RELOCATED MUST BE RE-ERECTED AT A TEMPORARY LOCATION AND BE VISIBLE TO TRAFFIC FOR WHICH IT IS INTENDED. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING.
 - C) ALL SIGNS TO BE RELOCATED SHALL BE RE-ERECTED IN PERMANENT LOCATIONS AS THE ROADWAY IS COMPLETED. HORIZONTAL LOCATION FROM THE EDGE OF PAVEMENT SHALL BE AS DESIGNATED BY THE ENGINEER.
 - D) ALL UNUSED SIGNS SHALL BE RETURNED TO THEIR OWNER (VILLAGE OF BENSENVILLE).
 - E) LONGER POSTS MAY BE REQUIRED AT SOME TEMPORARY OR PERMANENT SIGN LOCATIONS TO MAINTAIN PROPER SIGN ELEVATIONS.
40. 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.
41. THE ITEM 'SHORT TERM PAVEMENT MARKING' PROVIDES FOR THE APPLICATION OF TEMPORARY CENTER AND LANE LINES:
- A) AFTER THE PAVEMENT HAS BEEN MILLED
 - B) AFTER PLACEMENT OF A TACK COAT
 - C) AFTER PLACEMENT OF LEVELING BINDER
 - D) AFTER PLACEMENT OF TACK AND CRACK CONTROL FABRIC
 - E) AFTER PLACEMENT OF BINDER COURSE
 - F) AFTER PLACEMENT OF A TACK COAT
 - G) AFTER PLACEMENT OF THE SURFACE COURSE
42. ITEMS UNDER THE GENERAL HEADING OF "THERMOPLASTIC PAVEMENT MARKING" PROVIDE FOR ONE APPLICATION.
43. PER THE ILLINOIS LAWN CARE PRODUCTS APPLICATION NOTICE ACT 096-1005, PHOSPHORUS FERTILIZER NUTRIENT SHALL NOT BE USED.

SURVEY

44. THE BASIS OF BEARING IS THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE.

SITE BENCHMARK (CONTROL NO. 1): CROSS CUT IN WALK LOCATED NEAR SOUTH EAST CORNER OF ARMY TRAIL ROAD AND ILLINOIS ROUTE NO. 53 (ROHLWING ROAD).

N 1917626.82
E 1066374.68
ELEV = 747.30 (NAVD 88 DATUM)

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admin@addisonfire.org

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ADDISON, IL 60101
(630) 458-2500

ADDISON TRAIL HIGH SCHOOL DISTRICT 88
2 FRIENDSHIP PLAZA
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(630) 530-3981

PRINCE OF PEACE LUTHERAN CHURCH
1213 ARMY TRAIL BLVD
ADDISON, IL 60101
(630) 543-3458

CHURCH OF GOD SEVENTH DAY
1125 ARMY TRAIL BLVD
ADDISON, IL 60101
(630) 543-2777

GOOD SAMARITAN UNITED METHODIST CHURCH
960 ARMY TRAIL BLVD
ADDISON, IL 60101
(630) 543-3725

PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	CHECKED	
	BY	
	DATE	
	FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	CHECKED	
	BY	
	DATE	
	FILE NAME	



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DESIGNED - JRR	REVISED -
DRAWN - TGB	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/07/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, INDEX OF SHEETS, AND
LIST OF STATE AND LOCAL STANDARDS

SHEET NO. 2 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	3
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
NO.	BY	
	DATE	

	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0005 ROADWAY	NON-PARTICIPATING
^	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	34	34	
*	20101000	TEMPORARY FENCE	FOOT	8,072	8,072	
^*	20101100	TREE TRUNK PROTECTION	EACH	15	15	
^*	20101200	TREE ROOT PRUNING	EACH	61	61	
^*	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	27	27	
^*	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	34	34	
	20200100	EARTH EXCAVATION	CU YD	167	167	
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	863	863	
	20400800	FURNISHED EXCAVATION	CU YD	830	830	
	20700220	POROUS GRANULAR EMBANKMENT	CU YD	80	80	
	20800150	TRENCH BACKFILL	CU YD	4,458	56	4,402
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1,634	1,634	
	21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	5,307	5,307	
	25000312	SEEDING, CLASS 4A	ACRE	0.5	0.5	
^	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	66	66	
^	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	66	66	
^	25200110	SODDING, SALT TOLERANT	SQ YD	5,307	5,307	
^	25200200	SUPPLEMENTAL WATERING	UNIT	11	11	
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	110	110	
	28000400	PERIMETER EROSION BARRIER	FOOT	824	824	
	28000500	INLET AND PIPE PROTECTION	EACH	4	4	
	28000510	INLET FILTERS	EACH	109	109	
*	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	948	948	
	35101582	AGGREGATE BASE COURSE, TYPE B 2"	SQ YD	168	168	
	35101598	AGGREGATE BASE COURSE, TYPE B 3"	SQ YD	2,235	2,235	
	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	200	200	
	35101900	AGGREGATE BASE COURSE, TYPE B 7"	SQ YD	377	377	
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	30,810	30,810	
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	5	5	
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	357	357	

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



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DATE - 12/07/2017	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SHEET NO. 1 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	4
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNMENT CHECKED	BY
NO.	RT. OF WAY CHECKED	
	CONV. FILE NAME	

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

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0005 ROADWAY	NON-PARTICIPATING
40600990	TEMPORARY RAMP	SQ YD	401		401
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	5,756	5,756	
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N70	TON	4,479	4,479	
40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	51	51	
* 42001300	PROTECTIVE COAT	SQ YD	2,991	2,991	
* 42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	112	112	
* 42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	138	138	
* 42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	15,775	15,775	
* 42400800	DETECTABLE WARNINGS	SQ FT	396	396	
44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	45,641	45,641	
* 44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	708	708	
44000600	SIDEWALK REMOVAL	SQ FT	4,835	4,835	
44003100	MEDIAN REMOVAL	SQ FT	391	338	53
* 44201737	CLASS D PATCHES, TYPE I, 8 INCH	SQ YD	107	107	
* 44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	1,728	1,728	
* 44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	1,697	1,697	
* 44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	5,596	5,596	
50105220	PIPE CULVERT REMOVAL	FOOT	70	70	
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	1	1	
54010605	PRECAST CONCRETE BOX CULVERTS 6' X 5'	FOOT	69	69	
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	215	215	
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	169	169	
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	8	8	
550A0420	STORM SEWERS, CLASS A, TYPE 2 27"	FOOT	10	10	
550A0470	STORM SEWERS, CLASS A, TYPE 2 42"	FOOT	10	10	
550A0510	STORM SEWERS, CLASS A, TYPE 2 66"	FOOT	10	10	
55100300	STORM SEWER REMOVAL 8"	FOOT	17		17
55100400	STORM SEWER REMOVAL 10"	FOOT	347	8	339
55100500	STORM SEWER REMOVAL 12"	FOOT	92	4	88
55100700	STORM SEWER REMOVAL 15"	FOOT	72		72

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SHEET NO. 2 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	5
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E42	

PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNED	BY
INC.	RT. OF WAY CHECKED	
	SAID FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
INC.	S.M. NOTED	
	STRUCTURE NOTATIONS CHECKED	

C.CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0000 ROADWAY	NON-PARTICIPATING
55101100	STORM SEWER REMOVAL 21"	FOOT	21		21
55101300	STORM SEWER REMOVAL 27"	FOOT	31	10	21
55101800	STORM SEWER REMOVAL 42"	FOOT	10	10	
55102200	STORM SEWER REMOVAL 66"	FOOT	10	10	
^ *	56103000 DUCTILE IRON WATER MAIN 6"	FOOT	309		309
^ *	56103100 DUCTILE IRON WATER MAIN 8"	FOOT	4,378		4,378
^ *	56103300 DUCTILE IRON WATER MAIN 12"	FOOT	1,571		1,571
^ *	56103350 DUCTILE IRON WATER MAIN 14"	FOOT	6		6
^ *	56104900 WATER VALVES 6"	EACH	3		3
^ *	56105000 WATER VALVES 8"	EACH	16		16
^ *	56105200 WATER VALVES 12"	EACH	5		5
^ *	56105250 WATER VALVES 14"	EACH	1		1
^ *	56106600 ADJUSTING WATER MAIN 12"	FOOT	100		100
^ *	56300300 ADJUSTING WATER SERVICE LINES	FOOT	102		102
^ *	56400820 FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	18		18
	60200806 CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1		1
	60201330 CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	EACH	9	3	6
	60207605 CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	3		3
	60208230 CATCH BASINS, TYPE C, TYPE 23 FRAME AND GRATE	EACH	2	2	
	60218400 MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6		6
	60237460 INLETS, TYPE A, TYPE 23 FRAME AND GRATE	EACH	6		6
	60248900 VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	24		24
	60249010 VALVE VAULTS, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1		1
	60404940 FRAMES AND GRATES, TYPE 23	EACH	96	96	
	60404950 FRAMES AND GRATES, TYPE 24	EACH	8	8	
	60406000 FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	5	5	
	60406100 FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	19	19	
	60500040 REMOVING MANHOLES	EACH	7	1	6
	60500050 REMOVING CATCH BASINS	EACH	9	3	6
	60500060 REMOVING INLETS	EACH	6		6

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SHEET NO. 3 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS		84	6
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNED	BY
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	CONTRACT FILE NAME	

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

	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0005 ROADWAY	NON-PARTICIPATING
*	60500405	FILLING VALVE VAULTS	EACH	14		14
	60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	201	148	53
^	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	72	72	
^	63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	FOOT	38	38	
^	63200310	GUARDRAIL REMOVAL	FOOT	56	56	
^	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	25	25	
^	66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1	
^	66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1	
	67100100	MOBILIZATION	LSUM	1	1	
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	1,016	1,016	
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	398	398	
	70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	510	510	
	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	10,359	10,359	
	70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	23	23	
^	72000100	SIGN PANEL - TYPE 1	SQ FT	5	5	
^	72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	6	6	
^	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	510	510	
^	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	18,898	18,898	
^	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,649	1,649	
^	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,875	1,875	
^	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	472	472	
^	78008250	POLYUREA PAVEMENT MARKING TYPE 1 - 12"	FOOT	82	82	
^	78008270	POLYUREA PAVEMENT MARKING TYPE 1 - 24"	FOOT	15	15	
^	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	63	63	
^ *	88600600	DETECTOR LOOP REPLACEMENT	FOOT	1,018	1,018	
^	A2004624	TREE, GLEDITSIA TRIACANTHOS INERMIS (THORNLESS COMMON HONEYLOCUST), 3" CALIPER, BALLED AND BURLAPPED	EACH	3		3
^ *	X0324878	ADJUSTING SANITARY SEWER SERVICE LINE	EACH	35		35
^ *	X0327078	REMOVE FIRE HYDRANT AND VALVE ASSEMBLY	EACH	14		14
	X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1,317	1,317	
*	X1200043	PRECAST CONCRETE JUNCTION CHAMBER	EACH	1	1	

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SHEET NO. 4 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	7
CONTRACT NO. 61E42			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

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

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	
NO.	STRUCTURE NOTICES CHECKED	

	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0005 ROADWAY	NON-PARTICIPATING
^ *	X120072	STEEL CASING PIPE, BORED AND JACKED, 16"	FOOT	63		63
*	X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	100	100	
*	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	28	28	
*	X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	3	3	
*	X4023000	TEMPORARY ACCESS (ROAD)	EACH	5	5	
*	X4400220	CURB REMOVAL AND REPLACEMENT	FOOT	3,025	3,025	
*	X5015225	PIPE CULVERT REMOVAL (SPECIAL)	FOOT	200	200	
^ *	X5610700	WATER MAIN REMOVAL	FOOT	120		120
^ *	X5610746	WATER MAIN LINE STOP 6"	EACH	4		4
^ *	X5610748	WATER MAIN LINE STOP 8"	EACH	4		4
^ *	X5610750	WATER MAIN LINE STOP 10"	EACH	4		4
^ *	X5610752	WATER MAIN LINE STOP 12"	EACH	4		4
^ *	X5620116	WATER SERVICE CONNECTION (SHORT)	EACH	18		18
^ *	X5620118	WATER SERVICE CONNECTION (LONG)	EACH	17		17
*	X6024240	INLETS, SPECIAL	EACH	1	1	
^ *	X6026622	VALVE VAULTS TO BE REMOVED	EACH	3		3
*	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	19	19	
*	X6700405	ENGINEER'S FIELD OFFICE, TYPE A (MODIFIED)	CAL MO	4	4	
*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1	
*	X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	180	180	
^ *	X7800100	PAINT PAVEMENT MARKING - RAISED MEDIAN	SQ FT	5,178	5,178	
^ *	X7810300	RECESSED REFLECTIVE PAVEMENT MARKER	EACH	374	374	
^ *	XX000679	CUT AND CAPEXISTING WATER MAIN	EACH	12		12
^ *	XX003536	CONNECTION TO EXISTING WATER MAIN (NON PRESSURE)	EACH	12		12
^ *	XX003668	PRECONSTRUCTION VIDEO TAPING	LSUM	1		1
^ *	XX005855	WATER MAIN CASING PIPE	FOOT	313		313
*	XX006496	PORTLAND CEMENT CONCRETE SIDEWALK AND CURB WALL	CU YD	61	61	
*	XX006571	REMOVE AND REPLACE BOLLARDS	EACH	2		2
^ *	XX006658	FLOCCULATION LOGS	EACH	40	40	
^ *	XX006659	FLOCCULATION POWDER	POUND	10	10	

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SHEET NO. 5 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	8
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E42	

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

PROFILE	SURVEYED	DATE
	NOTE BOOK NO.	BY
PLAN	SURVEYED	DATE
	NOTE BOOK NO.	BY

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0005 ROADWAY	NON-PARTICIPATING
* XX006821	CONCRETE TRUCK WASHOUT	LSUM	1	1	
* XX007531	RELOCATE EXISTING LIGHT POLE ONTO NEW FOUNDATION	EACH	1	1	
* Z0004510	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3'	SQ YD	404	404	
* Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1	
* Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	107	107	
* Z0017700	DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED	EACH	10	10	
* Z0019598	DUST CONTROL, SPECIAL	GALLON	500	500	
* Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	239	239	
* Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	32,591	32,591	
* Z0056604	STORM SEWER (WATER MAIN REQUIREMENTS) 8 INCH	FOOT	17		17
* Z0056606	STORM SEWER (WATER MAIN REQUIREMENTS) 10 INCH	FOOT	339		339
* Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	88		88
* Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	72		72
* Z0056614	STORM SEWER (WATER MAIN REQUIREMENTS) 21 INCH	FOOT	21		21
* Z0056618	STORM SEWER (WATER MAIN REQUIREMENTS) 27 INCH	FOOT	21		21
* Z0062456	TEMPORARY PAVEMENT	SQ YD	801		801
^^*	Z0076600	TRAINEES	HOUR	500	500
^^*	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500

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STATE OF ILLINOIS
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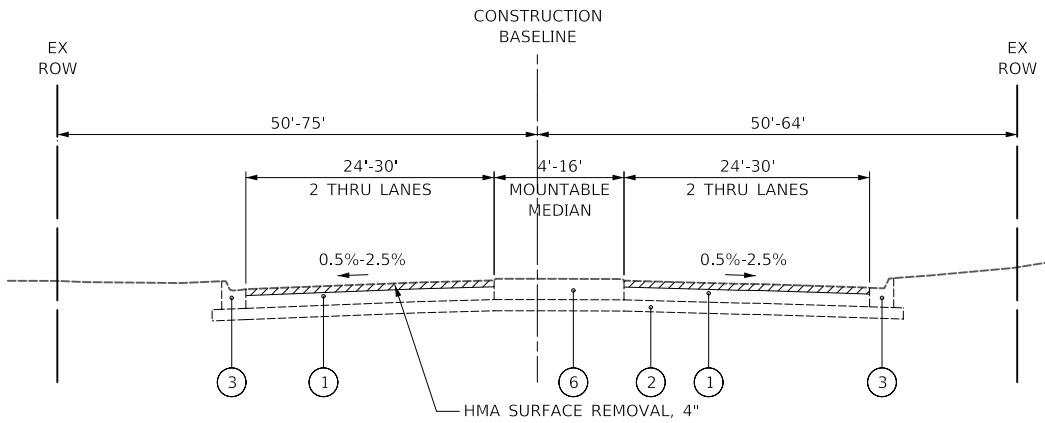
SUMMARY OF QUANTITIES

SHEET NO. 6 OF 6 SHEETS

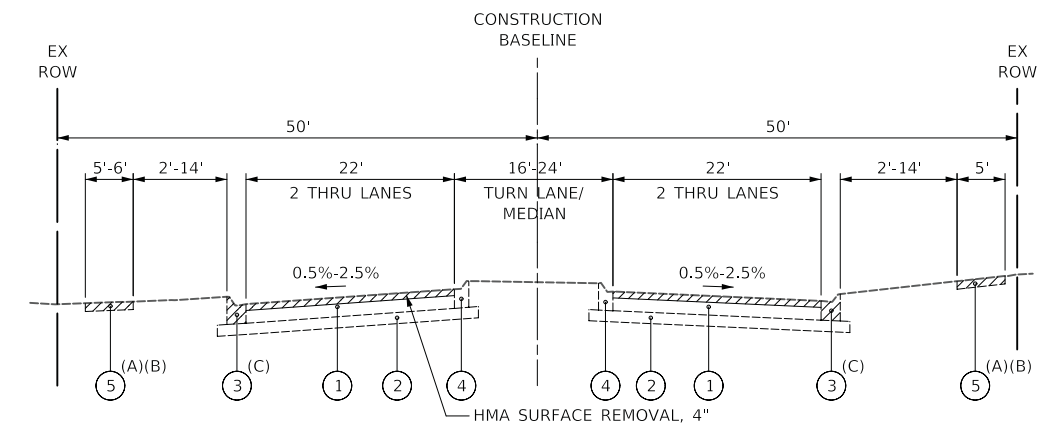
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	9
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
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DATE	
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SURVEYED	
PLANNED	
NOTED	
CHECKED	
BY	
NO. OF WAY CHECKED	
NO.	
ADD. FILE NAME	



EXISTING TYPICAL SECTION
STA 108+58.0 TO STA 122+09.7, ARMY TRAIL BOULEVARD



EXISTING TYPICAL SECTION
STA 122+09.7 TO STA 182+62.0, ARMY TRAIL BOULEVARD

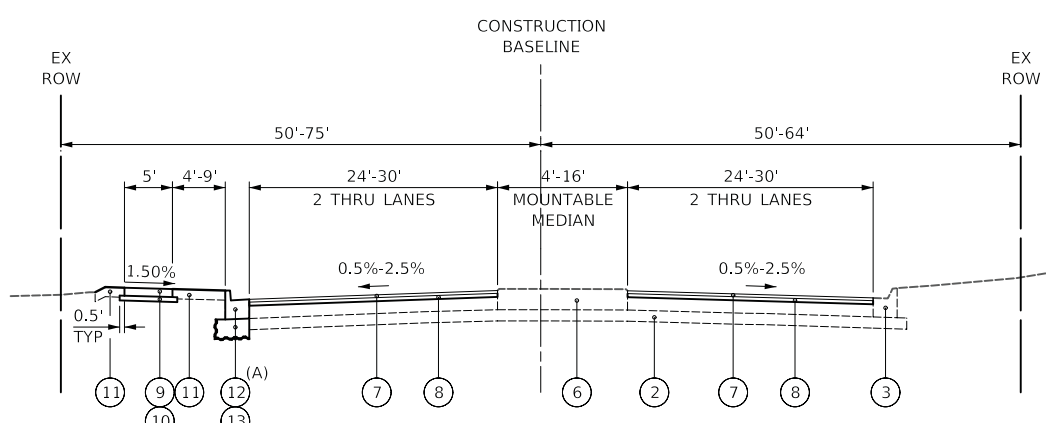
- (A) EXISTING SIDEWALK STATION RANGE: 128+78.3 TO 182+62.0
- (B) SEE ROADWAY PLANS FOR SIDEWALK SPOT REPAIRS
- (C) SEE ROADWAY PLANS FOR LIMITS OF CURB REMOVAL AND REPLACEMENT

NOTES:

- REFERENCE ROADWAY GEOTECHNICAL REPORT DATED OCTOBER 2017 AS PREPARED BY MIDLAND STANDARD ENGINEERING & TESTING, INC. CONTACT KAI LIU AT THE VILLAGE OF ADDISON TO SEE THE REPORT:

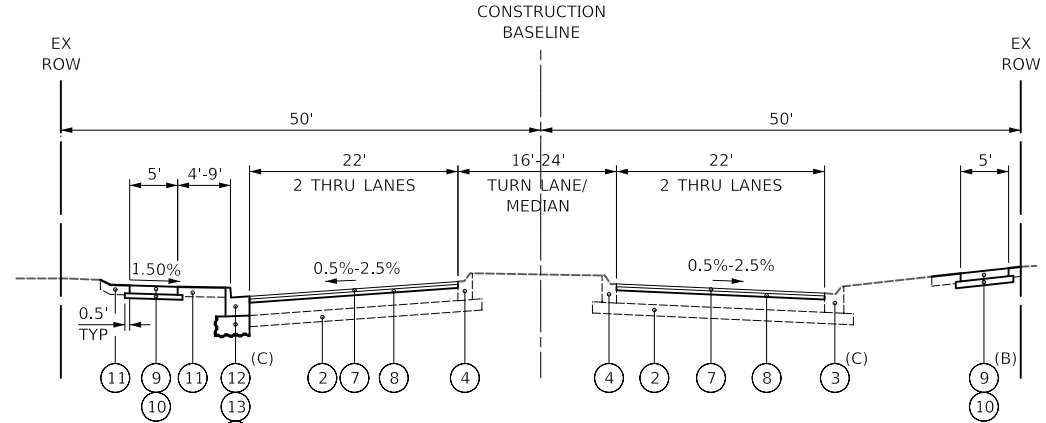
PH: 630.693.7535
kliu@addison-il.org
- CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.
- HOT-MIX ASPHALT-LONGITUDINAL JOINT SEALANT SHALL BE PLACED UNDER BOTH THE SURFACE AND BINDER LIFTS.
- EXCAVATIONS WITHIN THE EXCLUSION AREAS AS IDENTIFIED IN THE PESA REPORT PREPARED BY TRUE NORTH WILL BE STOCKPILED ON SITE FOR SOIL DISPOSAL ANALYSIS. SUITABLE SOIL FROM THE PILE WILL BE USED ON SITE WITH PLACEMENT BEING PAID FOR AS "FURNISHED EXCAVATION", OR "TOPSOIL FURNISH AND PLACE, 6" AT LOCATIONS CALLED OUT ON PLANS AND AS DIRECTED BY THE ENGINEER. REMAINING SOIL WILL BE REMOVED FROM THE SITE AND PAID FOR AS "EARTH EXCAVATION", "REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL", OR "NON-SPECIAL WASTE" AS DETERMINED BY TEST RESULTS. (SEE PAVEMENT MARKING, LANDSCAPING AND EROSION CONTROL PLAN FOR STOCK PILE LOCATIONS).

- LEGEND**
- ① EXISTING HOT-MIX ASPHALT PAVEMENT, 12" (SEE NOTE 1)
 - ② EXISTING AGGREGATE SUBGRADE, 7" (SEE NOTE 1)
 - ③ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.18
 - ④ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12
 - ⑤ EXISTING PORTLAND CEMENT CONCRETE SIDEWALK
 - ⑥ EXISTING CORRUGATED MEDIAN
 - ⑦ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm), 1-3/4"
 - ⑧ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4"
 - ⑨ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
 - ⑩ AGGREGATE BASE COURSE, TYPE B 3"
 - ⑪ TOPSOIL FURNISH AND PLACE, 6"
 - ⑫ PROPOSED CURB AND GUTTER (PAID FOR AS "CURB REMOVAL AND REPLACEMENT")
 - ⑬ AGGREGATE SUBGRADE IMPROVEMENT 12"
 - ⑭ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- REMOVAL



PROPOSED TYPICAL SECTION
STA 108+58.0 TO STA 122+09.7, ARMY TRAIL BOULEVARD

(A) SEE ROADWAY PLANS FOR LIMITS OF CURB REMOVAL AND REPLACEMENT



PROPOSED TYPICAL SECTION
STA 122+09.7 TO STA 182+62.0, ARMY TRAIL BOULEVARD

- (A) STATION RANGE: 122+09.7 TO 128+50.0
- (B) SEE ROADWAY PLANS FOR SIDEWALK SPOT REPAIRS
- (C) SEE ROADWAY PLANS FOR LIMITS OF CURB REMOVAL AND REPLACEMENT

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

PAY ITEM	PERCENT AIR VOIDS @ Ndes.
PAVEMENT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm), 1-3/4"	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4"	4% @ 70 GYR.
DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm), 3"	4% @ 50 GYR.
PATCHING	
TEMPORARY PAVEMENT (HMA BINDER IL-19 mm): 4"	4% @ 70 GYR.
CLASS D PATCHES (HMA BINDER IL-19 MM): 8" (2 LIFTS)	4% @ 70 GYR.

- THE UNIT WEIGHT TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LB/SY-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 HMA FULL DEPTH "AC TYPE" SEE SPECIAL PROVISIONS.
- FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.



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DRAWN - TGB	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/07/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NO SCALE

**EXISTING AND PROPOSED
TYPICAL SECTIONS**

SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	10
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN SURVEYED _____ DATE _____
 PLOTTED _____
 CHECKED _____
 BY _____
 NOTE BOOK NO. _____
 STRUCTURE NOTATIONS CHKD _____

PROFILE SURVEYED _____ DATE _____
 PLOTTED _____
 CHECKED _____
 BY _____
 NOTE BOOK NO. _____
 STRUCTURE NOTATIONS CHKD _____

SCHEDULE OF EARTHWORK QUANTITIES										
STATION	DISTANCE	EARTH EXCAVATION (CUT)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	FURNISHED EXCAVATION (FILL)	EARTH EXCAVATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	FURNISHED EXCAVATION	EARTH EXCAVATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	FURNISHED EXCAVATION
(XX+XX)	(FT)	(SQ FT)	(SQ FT)	(SQ FT)	AVG. (SQ FT)	AVG. (SQ FT)	AVG. (SQ FT)	(CU YD)	(CU YD)	(CU YD)
106+50			0.00	0.00						
	50				0	8	18	0	14	33
107+00			15.09	35.78						
	50				0	14	32	0	26	60
107+50			12.89	28.52						
	22				0	11	16	0	9	13
107+72		0.46	8.86	3.56						
	28				0	12	21	0	12	21
108+00			14.62	37.95						
	50				0	17	51	0	31	95
108+50			18.50	64.61						
	50				0	17	49	0	31	91
109+00			15.07	33.75						
	18				0	14	20	0	9	14
109+18		0.63	12.02	7.01						
	32				0	12	16	0	14	18
109+50			12.38	24.09						
	50				0	11	18	0	21	34
110+00			10.55	12.59						
	50				0	10	11	0	19	20
110+50			9.82	8.92						
	50				0	5	4	0	9	8
111+00			0.00	0.00						
	50				0	5	2	0	9	4
111+50			9.73	4.44						
	50				0	10	4	0	18	8
112+00			9.91	4.35						
	50				0	10	7	0	19	14
112+50			10.97	10.43						
	30				0	9	5	1	10	6
112+80		0.92	6.83	0.24						
	20				0	9	6	0	7	5
113+00			10.75	12.24						
	50				0	11	15	0	21	27
113+50			11.80	17.19						
	50				1	9	9	1	17	17
114+00		1.12	6.87	1.11						
	2				1	7	1	0	1	0
114+02		1.12	6.88	1.11						
	48				1	8	3	1	14	6
114+50			9.29	5.77						
	50				0	10	7	0	19	13
115+00			11.12	8.56						
	50				0	12	9	0	22	16
115+50			12.67	9.05						
	50				0	12	9	0	23	17
116+00			11.92	9.38						
	50				0	12	10	0	22	19
116+50			11.85	11.19						
	50				0	6	6	0	11	10
117+00			0.00	0.00						
	50				0	5	1	0	9	3
117+50			9.28	2.80						
	50				0	10	5	0	18	9
118+00			9.92	6.50						
	50				0	11	10	0	20	18
118+50			12.12	12.65						
	38				0	10	8	0	14	12
118+88		0.43	7.75	4.00						
	12				0	11	10	0	5	5
119+00			15.15	16.95						
	50				0	15	19	0	28	34
119+50			15.39	20.26						
	50				0	16	20	0	30	37
120+00			16.56	19.94						

SCHEDULE OF EARTHWORK QUANTITIES										
STATION	DISTANCE	EARTH EXCAVATION (CUT)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	FURNISHED EXCAVATION (FILL)	EARTH EXCAVATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	FURNISHED EXCAVATION	EARTH EXCAVATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	FURNISHED EXCAVATION
(XX+XX)	(FT)	(SQ FT)	(SQ FT)	(SQ FT)	AVG. (SQ FT)	AVG. (SQ FT)	AVG. (SQ FT)	(CU YD)	(CU YD)	(CU YD)
	50				0	16	16	0	30	29
120+50			15.66	11.34						
	50				0	13	13	0	24	24
121+00			10.63	14.24						
	50				0	11	10	0	21	19
121+50			11.52	6.54						
	50				0	11	4	0	20	8
122+00		0.04	9.60	1.99						
	50				0	10	2	1	18	3
122+50		0.80	9.75	1.43						
	50				3	11	1	6	20	2
123+00		5.63	11.72	0.65						
	50				7	10	2	14	19	3
123+50		9.28	8.68	3.01						
	50				10	10	3	19	18	6
124+00		10.79	10.43	2.95						
	50				14	11	3	25	21	5
124+50		16.44	12.20	2.93						
	50				14	12	3	26	22	5
125+00		11.16	11.46	2.93						
	50				10	11	3	18	20	6
125+50		8.00	9.96	3.47						
	50				12	10	3	22	19	6
126+00		15.52	10.94	2.72						
	50				9	10	7	17	19	13
126+50		2.74	10.00	11.64						
	50				3	10	6	6	19	11
127+00		4.24	10.82	0.04						
	50				4	10	0	7	18	0
127+50		2.80	8.81	0.35						
	50				1	9	1	3	16	1
128+00		0.13	8.71	0.87						
	50				0	4	0	0	8	1
128+50		0.00	0.00	0.00						

PROJECT TOTAL (CU. YD.)	167	863	830
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF EARTHWORK QUANTITIES

SHEET NO. OF SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	11
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. OF WAY CHECKED	
	CADD FILE NAME	
	NO.	

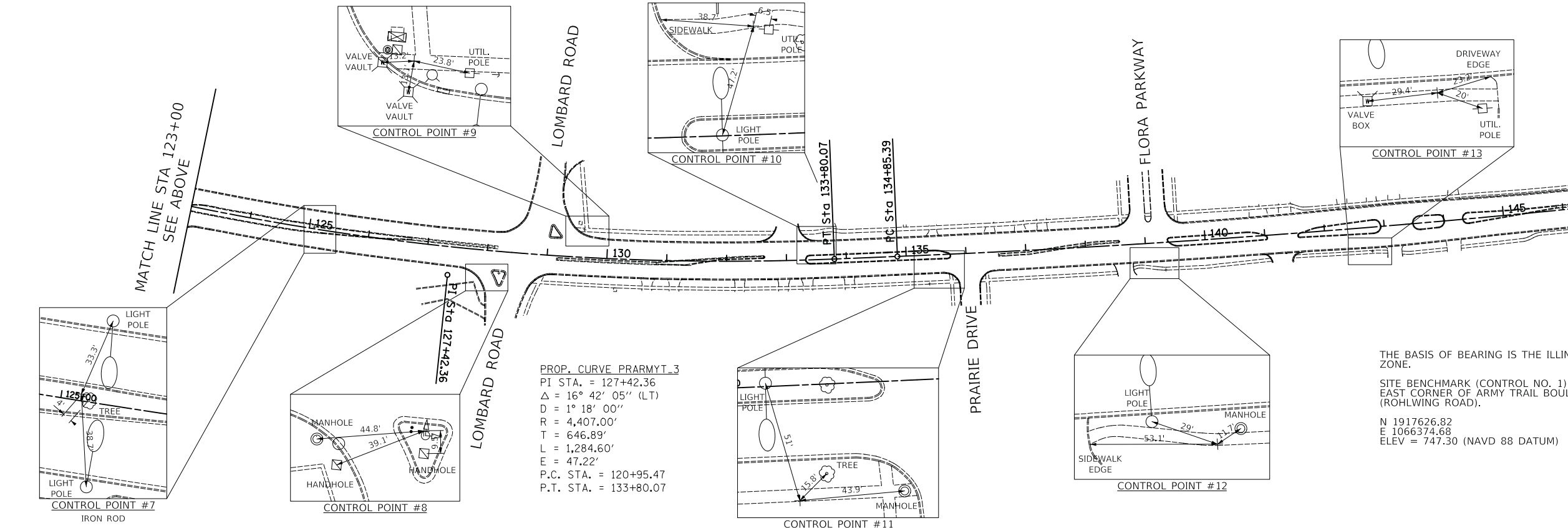
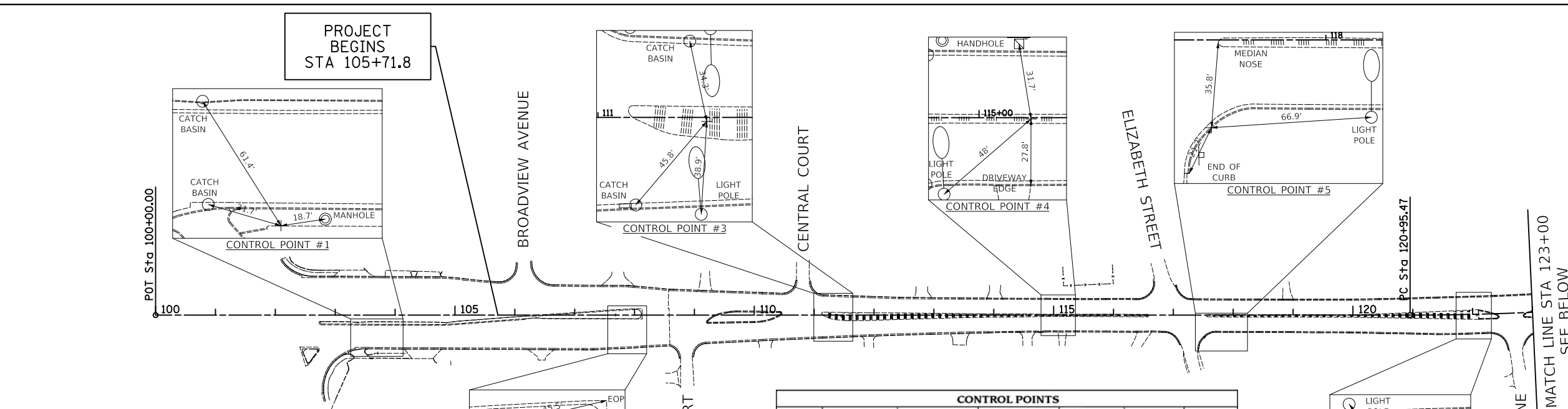
PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. OF WAY CHECKED	
	CADD FILE NAME	
	NO.	

ARMY TRAIL BOULEVARD BASELINE DATA				
DESCRIPTION	STATION	NORTHING	EASTING	
POT	100+00.00	1,917,798.7265	1,066,039.7201	
PC	120+95.47	1,917,170.8398	1,068,038.9069	
PI	127+42.36	1,916,977.0057	1,068,656.0731	
PT	133+80.07	1,916,968.7105	1,069,302.9093	
PC	134+85.39	1,916,967.3599	1,069,408.2192	
PI	147+17.85	1,916,951.5558	1,070,640.5771	
PT	159+46.93	1,917,093.4600	1,071,864.8397	
PC	160+93.75	1,917,110.3647	1,072,010.6832	
PI	169+14.17	1,917,204.8270	1,072,825.6462	
PT	177+26.40	1,917,493.8294	1,073,593.4777	
PC	180+37.98	1,917,603.5868	1,073,885.0851	
PI	186+28.37	1,917,811.5597	1,074,437.6347	
PT	192+07.36	1,917,823.2800	1,075,027.9112	

CONTROL POINTS						
CP#	DESCRIPTION	NORTHING	EASTING	ELEVATION	STATION	OFFSET
1	CROSS CUT	1,917,626.8240	1,066,374.6840	747.300	103+71.08	63.64' RT
2	CROSS CUT	1,917,568.9310	1,066,772.7850	743.820	107+68.24	0.42' LT
3	CROSS CUT	1,917,453.9060	1,067,132.0510	740.090	111+45.46	1.67' RT
4	CROSS CUT	1,917,342.2580	1,067,491.3270	735.560	115+21.69	0.54' RT
5	CROSS CUT	1,917,238.6820	1,067,700.4640	732.910	117+52.25	36.69' RT
6	CROSS CUT	1,917,137.4860	1,068,145.3960	727.310	122+07.04	1.33' RT
7	IRON ROD	1,917,068.4540	1,068,438.5160	728.720	125+08.26	2.75' LT
8	CROSS CUT	1,916,975.1130	1,068,742.0040	723.510	128+22.23	36.34' RT
9	CROSS CUT	1,917,039.9070	1,068,889.1170	719.750	129+60.38	46.12' LT
10	CROSS CUT	1,917,014.2070	1,069,286.7530	713.160	133+63.16	45.25' LT
11	CROSS CUT	1,916,918.6310	1,069,459.7450	711.590	135+37.41	48.13' RT
12	CROSS CUT	1,916,920.8730	1,069,854.8330	709.090	139+31.54	45.95' RT
13	CROSS CUT	1,916,933.5260	1,070,201.2720	708.160	142+77.39	40.03' RT

PROP. CURVE PRARMYT.3
 PI STA. = 127+42.36
 $\Delta = 16^\circ 42' 05''$ (LT)
 $D = 1^\circ 18' 00''$
 $R = 4,407.00'$
 $T = 646.89'$
 $L = 1,284.60'$
 $E = 47.22'$
 P.C. STA. = 120+95.47
 P.T. STA. = 133+80.07

THE BASIS OF BEARING IS THE ILLINOIS STATE PLANE COORDINAE SYSTEM EAST ZONE.
 SITE BENCHMARK (CONTROL NO. 1): CROSS CUT IN WALK LOCATED NEAR SOUTH EAST CORNER OF ARMY TRAIL BOULEVARD AND ILLINOIS ROUTE NO. 53 (ROHLWING ROAD).
 N 1917626.82
 E 1066374.68
 ELEV = 747.30 (NAVD 88 DATUM)

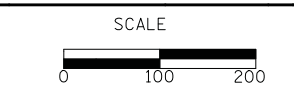


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STATE OF ILLINOIS
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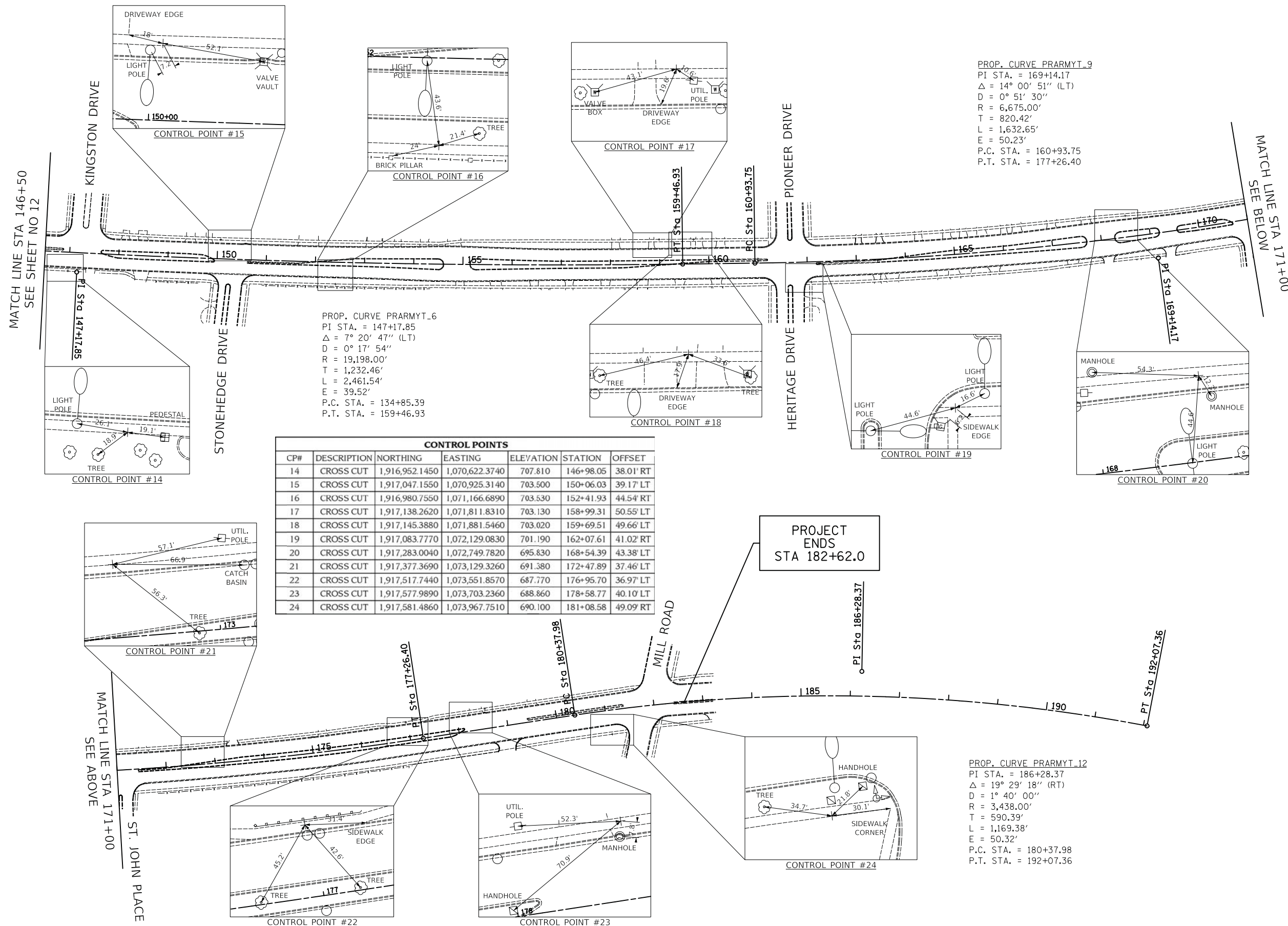
ALIGNMENT, TIES, AND BENCHMARKS

SHEET NO. 1 OF 2 SHEETS STA. 108+58 TO STA. 146+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	12
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	BY	
	NO. _____	
	NO. _____	
	NO. _____	
	NO. _____	
	NO. _____	
	NO. _____	
	NO. _____	
	NO. _____	
	NO. _____	

PROFILE	SURVEYED	DATE
	BY	
	NO. _____	
	NO. _____	
	NO. _____	
	NO. _____	
	NO. _____	
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	NO. _____	
	NO. _____	
	NO. _____	



PROP. CURVE PRARMYT_9
 PI STA. = 169+14.17
 $\Delta = 14^\circ 00' 51''$ (LT)
 $D = 0^\circ 51' 30''$
 $R = 6,675.00'$
 $T = 820.42'$
 $L = 1,632.65'$
 $E = 50.23'$
 P.C. STA. = 160+93.75
 P.T. STA. = 177+26.40

PROP. CURVE PRARMYT_6
 PI STA. = 147+17.85
 $\Delta = 7^\circ 20' 47''$ (LT)
 $D = 0^\circ 17' 54''$
 $R = 19,198.00'$
 $T = 1,232.46'$
 $L = 2,461.54'$
 $E = 39.52'$
 P.C. STA. = 134+85.39
 P.T. STA. = 159+46.93

CP#	DESCRIPTION	NORTHING	EASTING	ELEVATION	STATION	OFFSET
14	CROSS CUT	1,916,952.1450	1,070,622.3740	707.810	146+98.05	38.01' RT
15	CROSS CUT	1,917,047.1550	1,070,925.3140	703.500	150+06.03	39.17' LT
16	CROSS CUT	1,916,980.7550	1,071,166.6890	703.530	152+41.93	44.54' RT
17	CROSS CUT	1,917,138.2620	1,071,811.8310	703.130	158+99.31	50.55' LT
18	CROSS CUT	1,917,145.3880	1,071,881.5460	703.020	159+69.51	49.66' LT
19	CROSS CUT	1,917,083.7770	1,072,129.0830	701.190	162+07.61	41.02' RT
20	CROSS CUT	1,917,283.0040	1,072,749.7820	695.830	168+54.39	43.38' LT
21	CROSS CUT	1,917,377.3690	1,073,129.3260	691.380	172+47.89	37.46' LT
22	CROSS CUT	1,917,517.7440	1,073,551.8570	687.770	176+95.70	36.97' LT
23	CROSS CUT	1,917,577.9890	1,073,703.2360	688.860	178+58.77	40.10' LT
24	CROSS CUT	1,917,581.4860	1,073,967.7510	690.100	181+08.58	49.09' RT

PROJECT ENDS
 STA 182+62.0

PROP. CURVE PRARMYT_12
 PI STA. = 186+28.37
 $\Delta = 19^\circ 29' 18''$ (RT)
 $D = 1^\circ 40' 00''$
 $R = 3,438.00'$
 $T = 590.39'$
 $L = 1,169.38'$
 $E = 50.32'$
 P.C. STA. = 180+37.98
 P.T. STA. = 192+07.36

ARMY TRAIL BLVD

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ALIGNMENT, TIES, AND BENCHMARKS

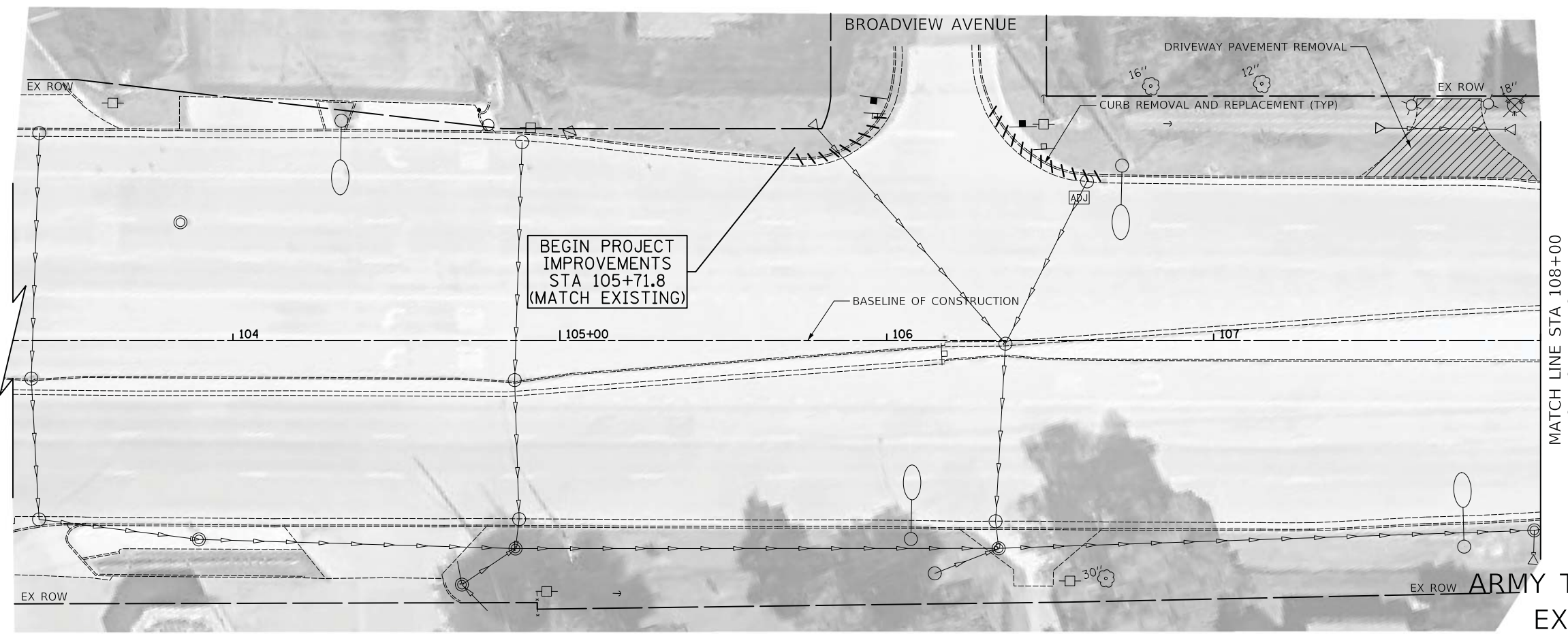
SHEET NO. 2 OF 2 SHEETS STA. 146+50 TO STA. 182+62

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	13
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
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PROFILE	SURVEYED	DATE
	PLOTTED	
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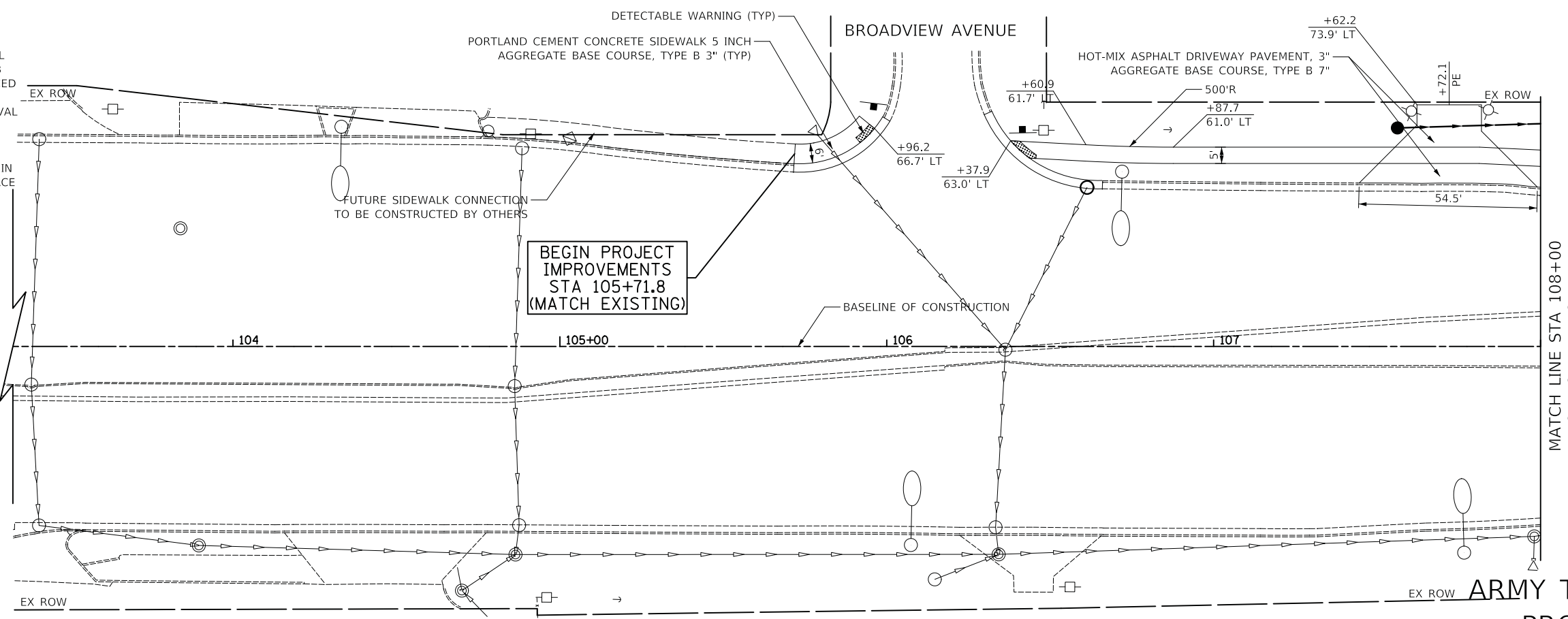
- LEGEND**
- LIMITS OF HMA SURFACE REMOVAL, 4"
 - HMA SURFACE REMOVAL - BUTT JOINT
 - SIDEWALK REMOVAL OR DRIVEWAY PAVEMENT REMOVAL
 - CLASS D PATCHES, 8"
 - TEMPORARY PAVEMENT, 4" OVER CLASS D PATCHES, 8"
 - CURB REMOVAL AND REPLACEMENT
 - FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
 - DRAINAGE AND UTILITY STRUCTURES TO BE ADJUSTED
 - DETECTABLE WARNING
 - TREE REMOVAL & SIZE



MATCH LINE STA 108+00
SEE SHEET NO 15

ARMY TRAIL BLVD
EXISTING

- NOTES:**
- 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"
 - SIDEWALK REMOVAL AND REPLACEMENT LIMITS WILL BE DETERMINED BY THE FIELD ENGINEER IN ORDER TO MATCH EXISTING JOINTS AND REPLACE DISHEVELED OR DETERIORATED SIDEWALK ENCOUNTERED AT TIME OF CONSTRUCTION.



MATCH LINE STA 108+00
SEE SHEET NO 15

ARMY TRAIL BLVD
PROPOSED

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**STATE OF ILLINOIS
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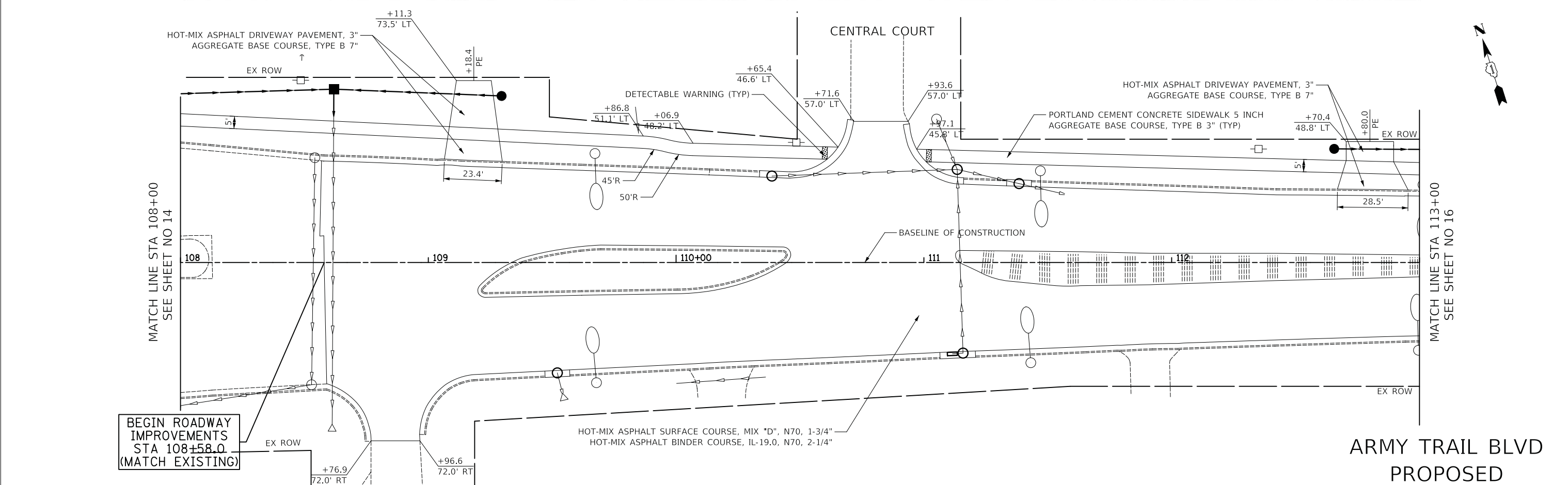
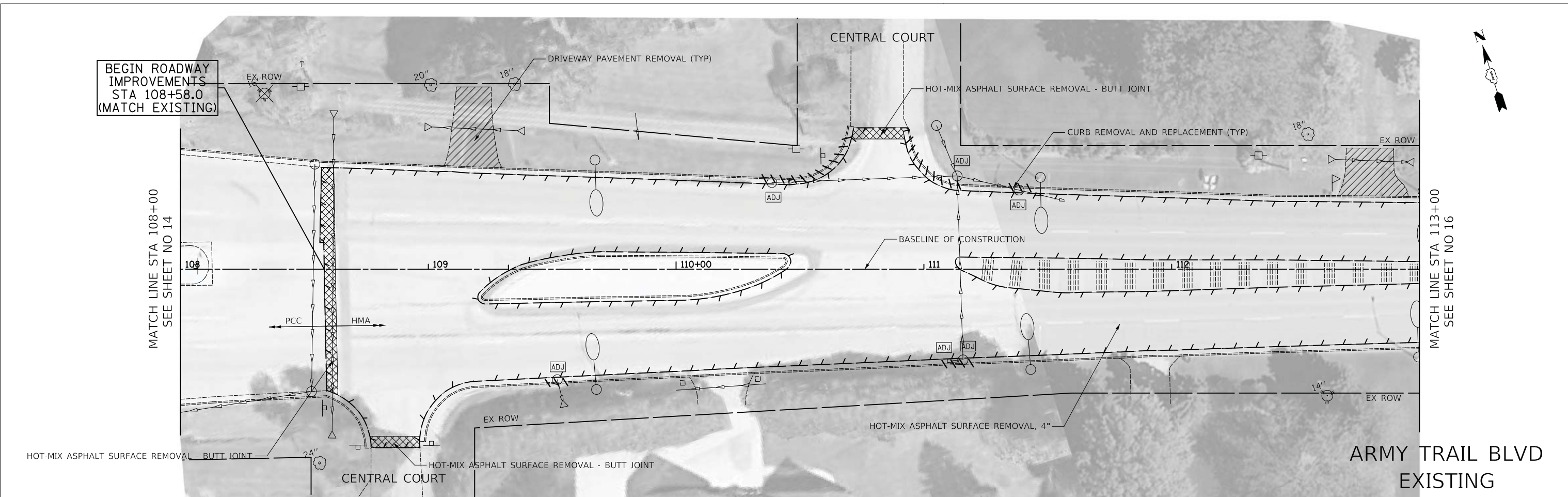
ROADWAY PLAN

SHEET NO. 1 OF 16 SHEETS STA. 105+71.8 TO STA. 108+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	14
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 61E42	

PLAN	SURVEYED	DATE
	PLANNED	
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	ADD. FILE NAME	
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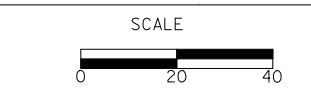
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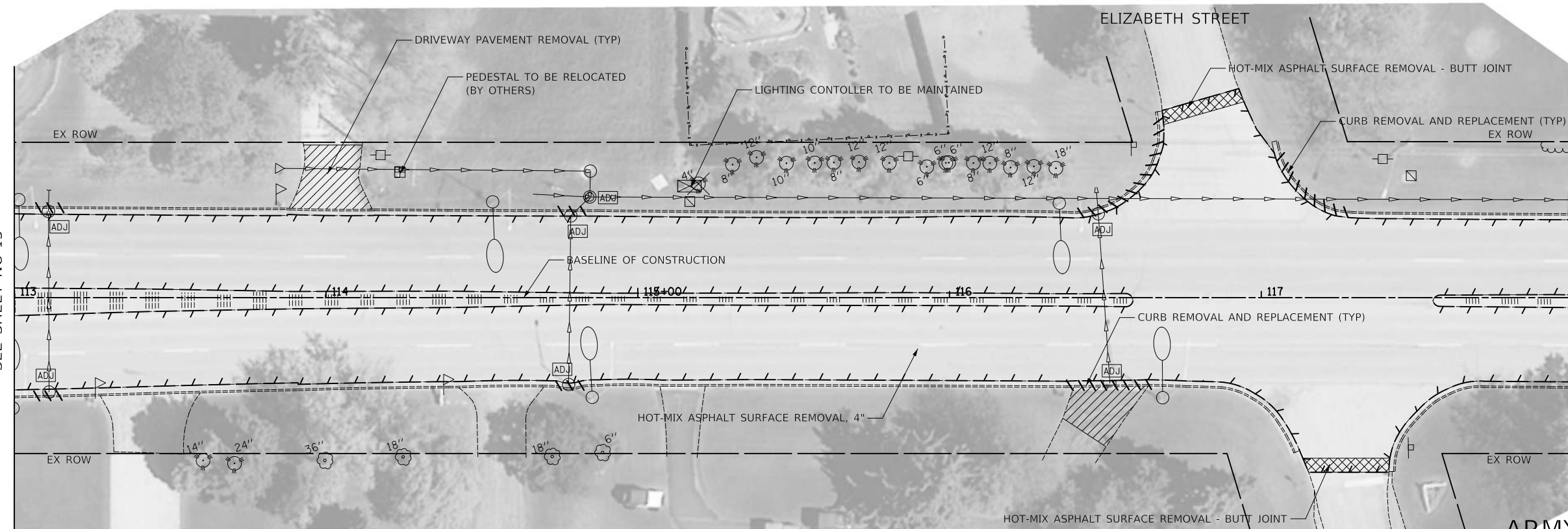


ROADWAY PLAN
 SHEET NO. 2 OF 16 SHEETS STA. 108+00 TO STA. 113+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	15
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLANNED	
	CHECKED	
	BY	
	NO. OF WAY CHECKED	
	ADD. FILE NAME	

MATCH LINE STA 113+00
SEE SHEET NO 15

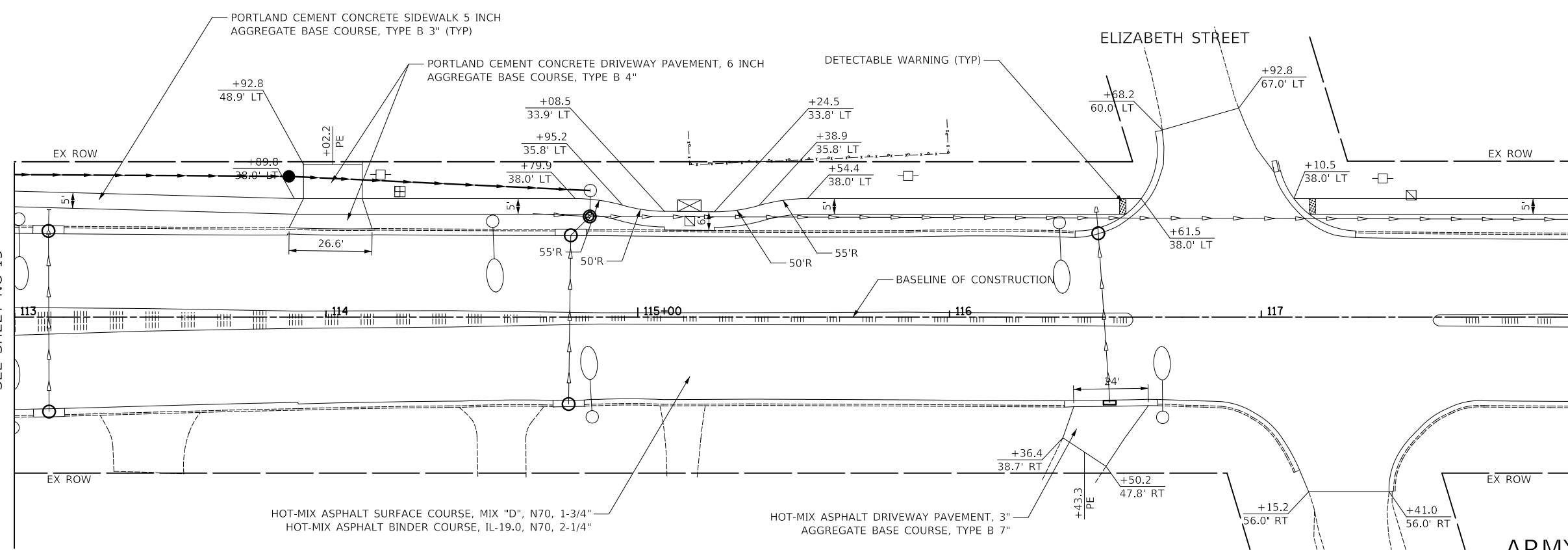


MATCH LINE STA 118+00
SEE SHEET NO 17

**ARMY TRAIL BLVD
EXISTING**

PROFILE	SURVEYED	DATE
	PLANNED	
	CHECKED	
	BY	
	NO. OF WAY CHECKED	
	ADD. FILE NAME	

MATCH LINE STA 113+00
SEE SHEET NO 15



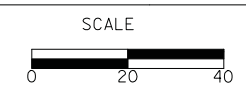
MATCH LINE STA 118+00
SEE SHEET NO 17

**ARMY TRAIL BLVD
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DRAWN -	TGB	REVISED -	
CHECKED -	RTM	REVISED -	
DATE -	12/07/2017	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



ROADWAY PLAN

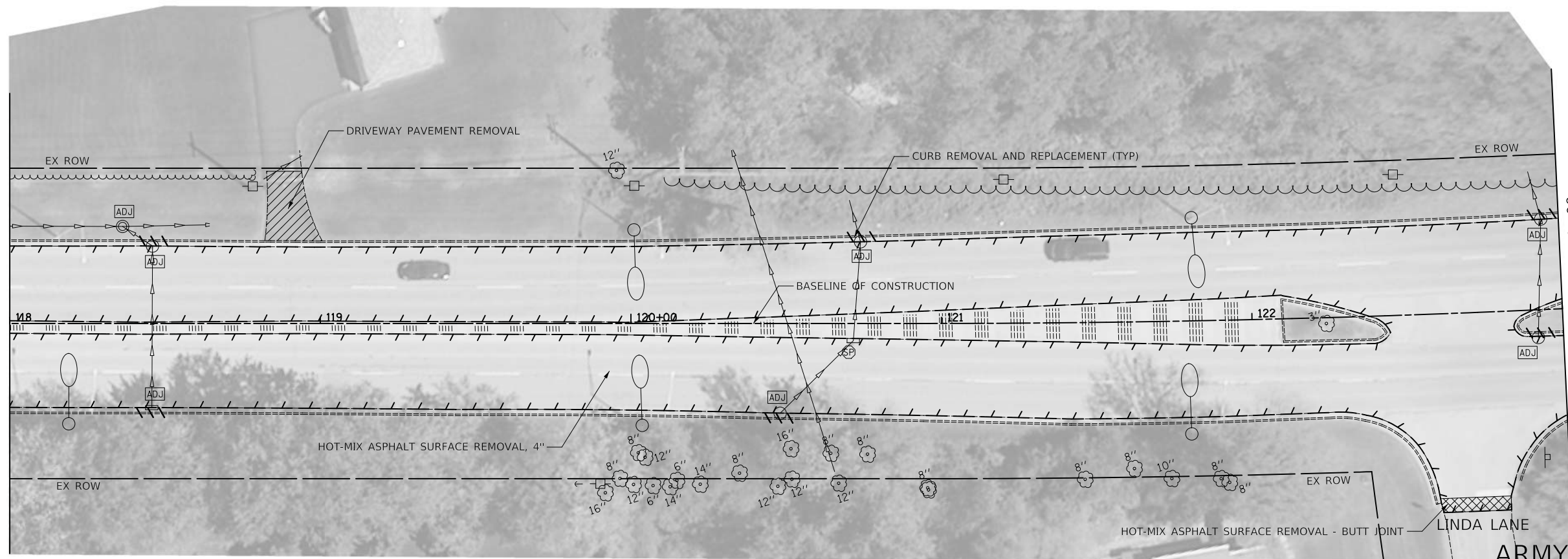
SHEET NO. 3 OF 16 SHEETS STA. 113+00 TO STA. 118+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	16
				CONTRACT NO. 61E42
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NO. OF WAY CHECKED		
	NO.		
	ADD. FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NO. OF WAY CHECKED		
	NO.		
	ADD. FILE NAME		

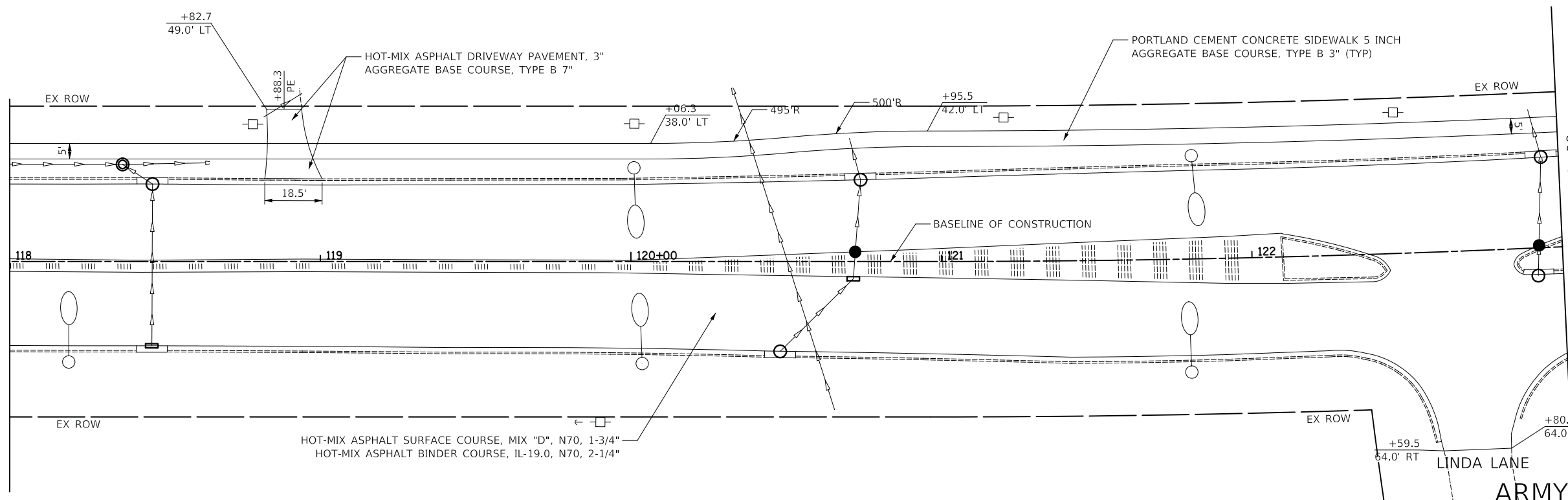
MATCH LINE STA 118+00
SEE SHEET NO 16



ARMY TRAIL BLVD
EXISTING

MATCH LINE STA 123+00
SEE SHEET NO 18

MATCH LINE STA 118+00
SEE SHEET NO 16



ARMY TRAIL BLVD
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MATCH LINE STA 123+00
SEE SHEET NO 18



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CHECKED -	RTM	REVISED -	
DATE -	12/07/2017	REVISED -	

STATE OF ILLINOIS
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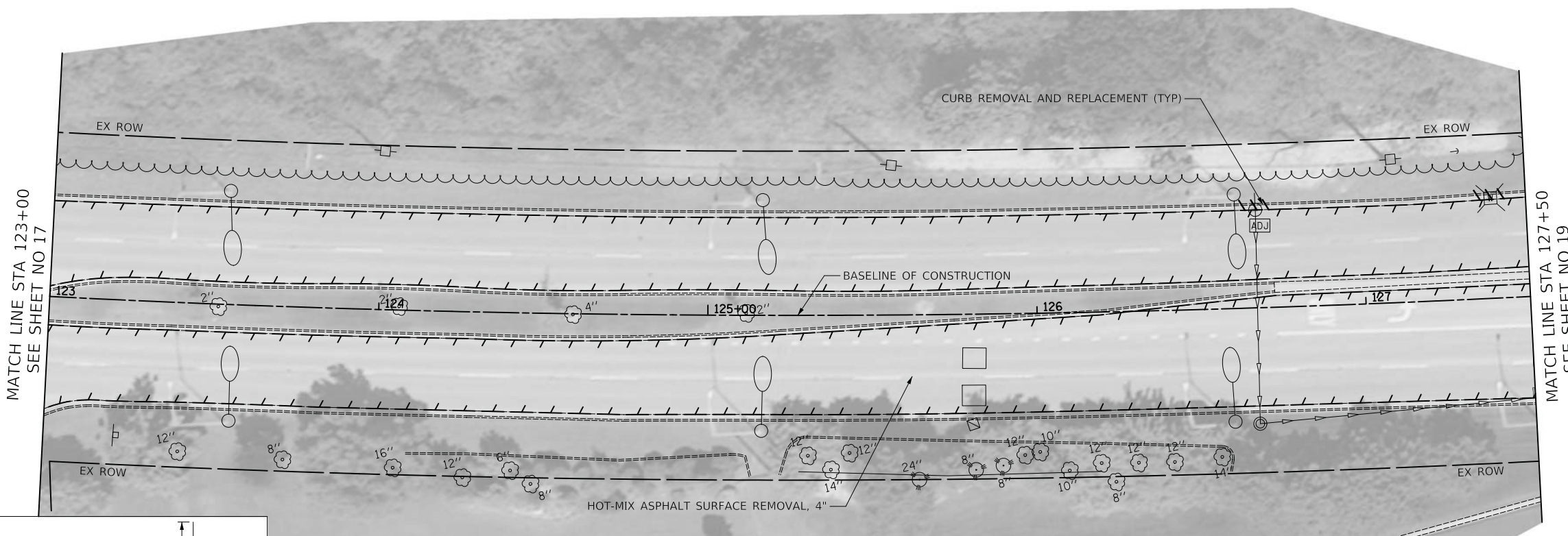
ROADWAY PLAN

SHEET NO. 4 OF 16 SHEETS STA. 118+00 TO STA. 123+00

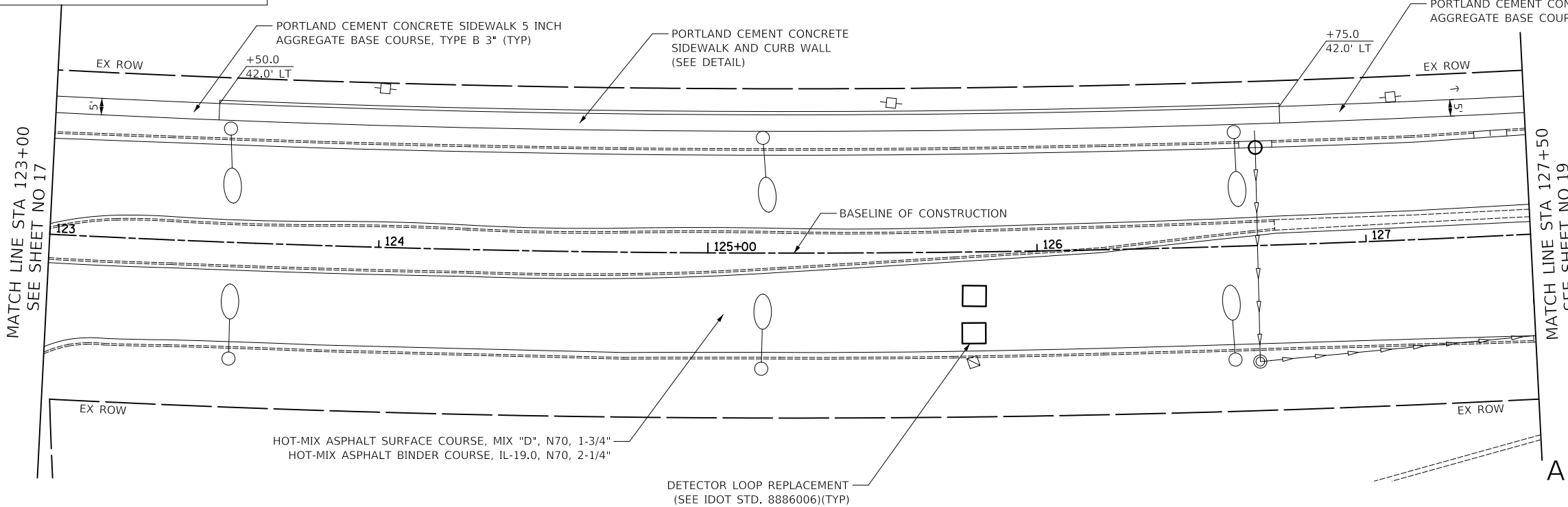
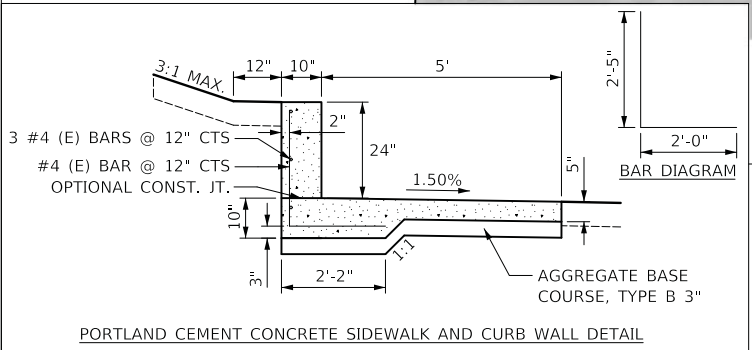
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	17
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLANNED	
DESIGNED	
CHECKED	
NO. OF WAY CHECKED	
NOTE BOOK NO.	
ADD. FILE NAME	

DATE	
BY	
PROFILE	
PLANNED	
DESIGNED	
CHECKED	
NO. OF WAY CHECKED	
NOTE BOOK NO.	
ADD. FILE NAME	



ARMY TRAIL BLVD
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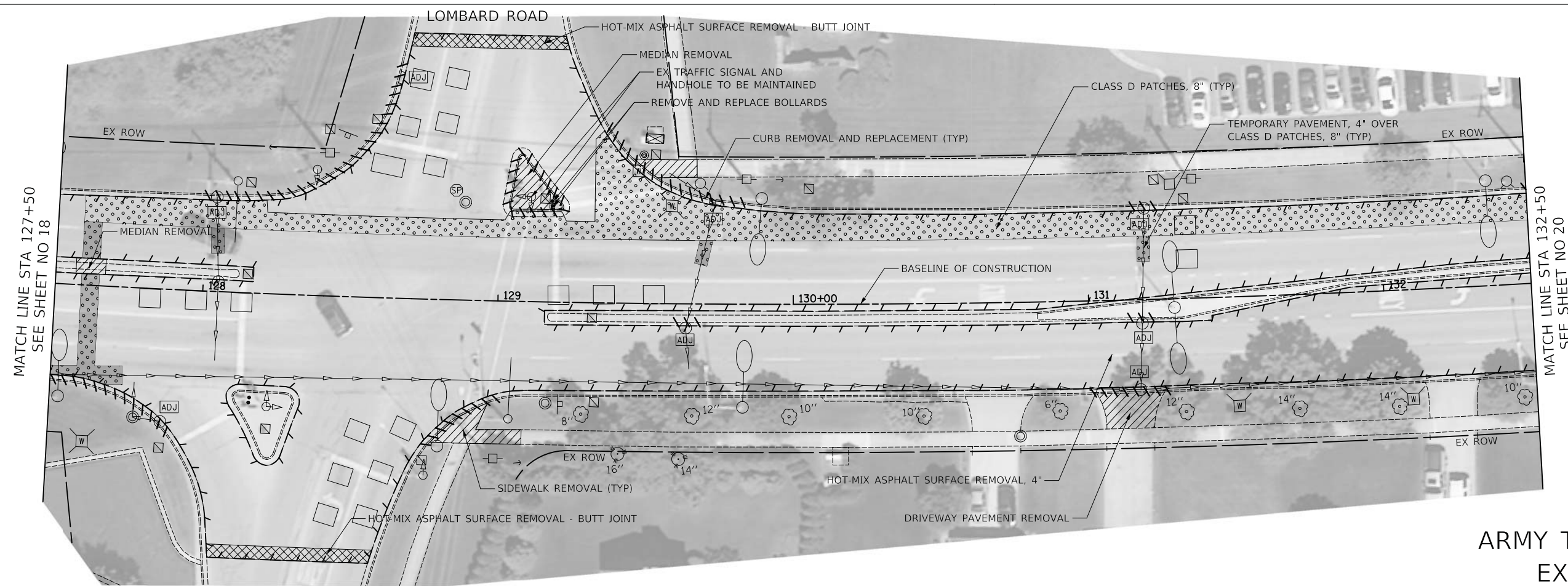
ROADWAY PLAN

SHEET NO. 5 OF 16 SHEETS STA. 123+00 TO STA. 127+50

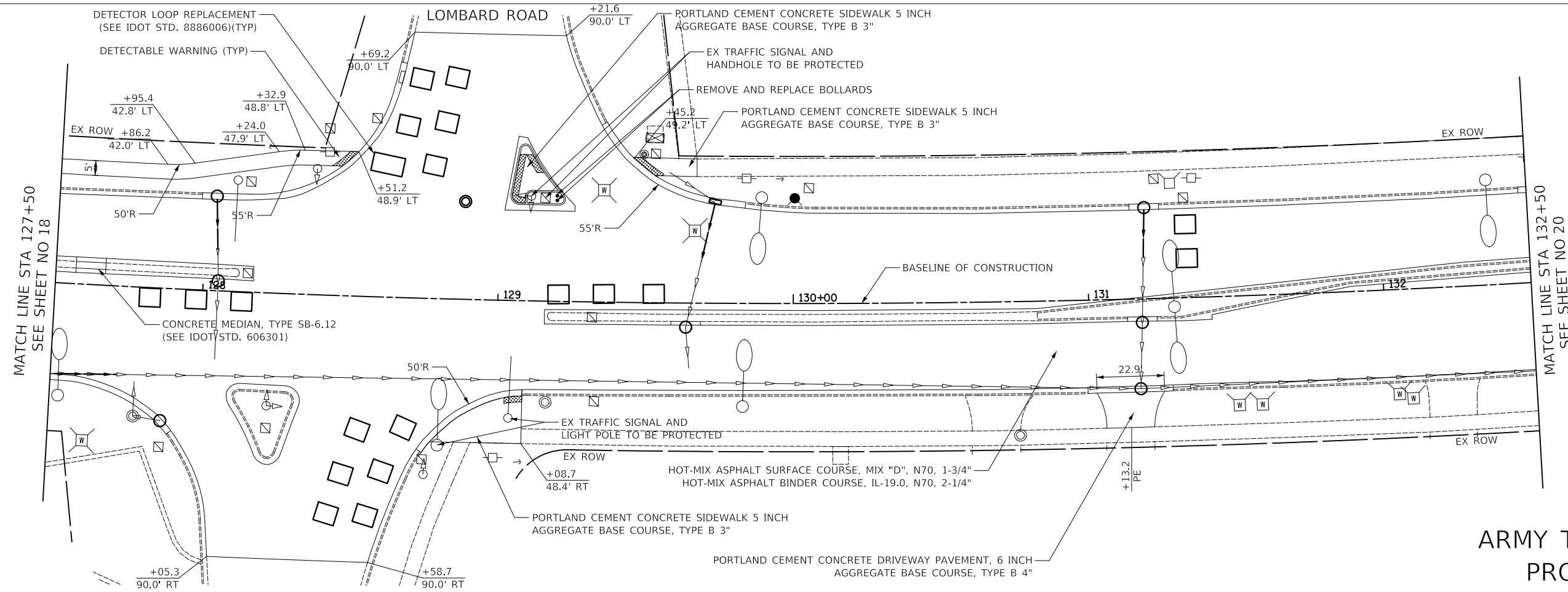
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	18
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. OF WAY CHECKED	
	NO.	
	NO. OF WAY CHECKED	
	NO.	
	NO. OF WAY CHECKED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. OF WAY CHECKED	
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	NO. OF WAY CHECKED	
	NO.	
	NO. OF WAY CHECKED	
	NO.	



ARMY TRAIL BLVD
EXISTING

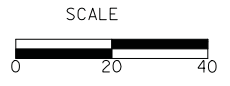


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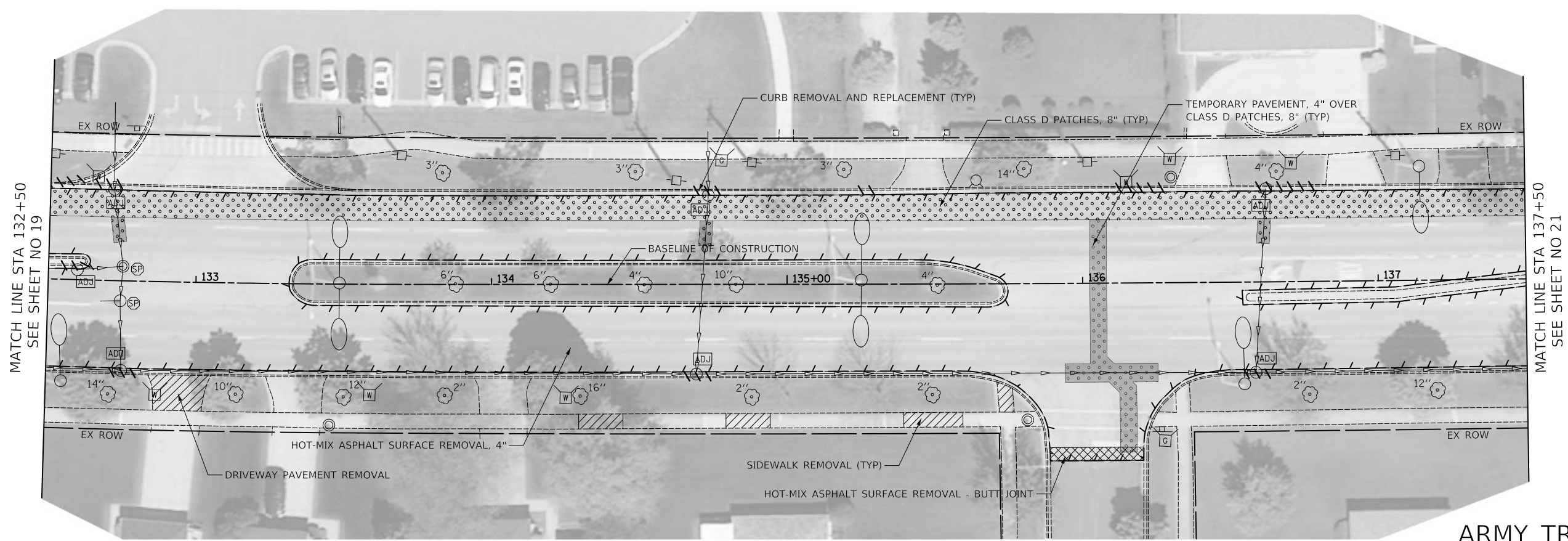
ROADWAY PLAN

SHEET NO. 6 OF 16 SHEETS STA. 127+50 TO STA. 132+50

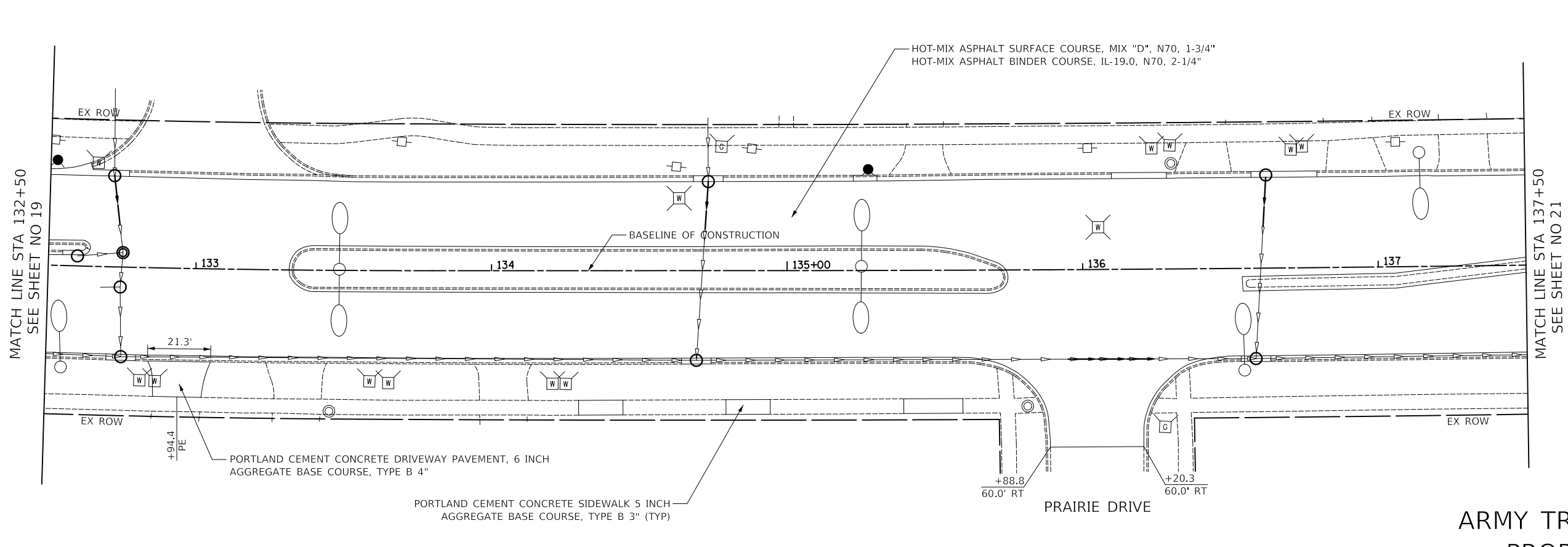
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	19
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E42	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	PT. OF WAY CHECKED		
	NO. _____		
	ADD. FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NO. _____		
	STRUCTURE NOTATIONS CHKD		



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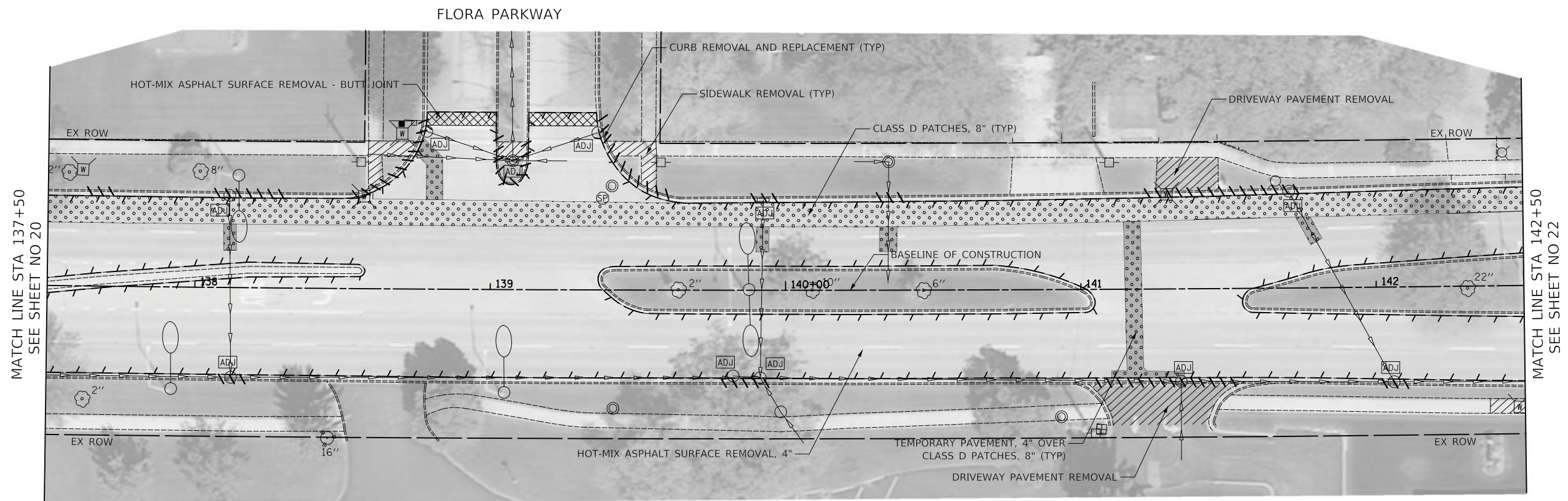
ROADWAY PLAN

SHEET NO. 7 OF 16 SHEETS STA. 132+50 TO STA. 137+50

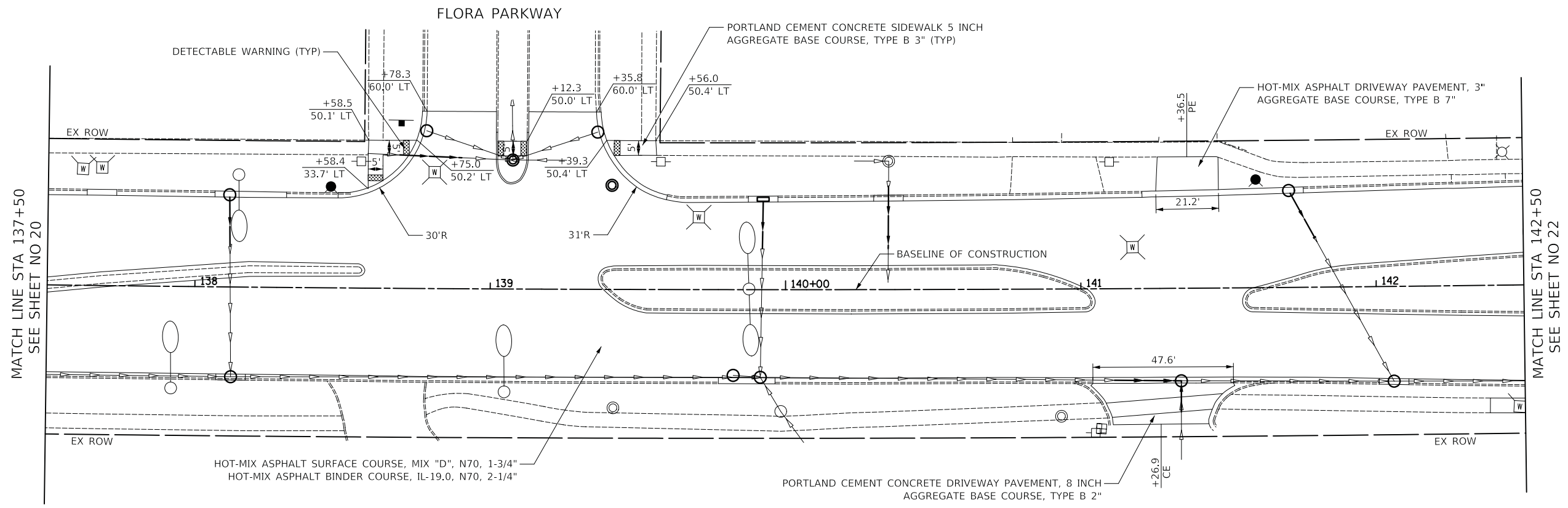
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	20
				CONTRACT NO. 61E42
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	NO. OF WAY CHECKED	
	NO.	
	ADD. FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	NO. OF WAY CHECKED	
	NO.	
	ADD. FILE NAME	



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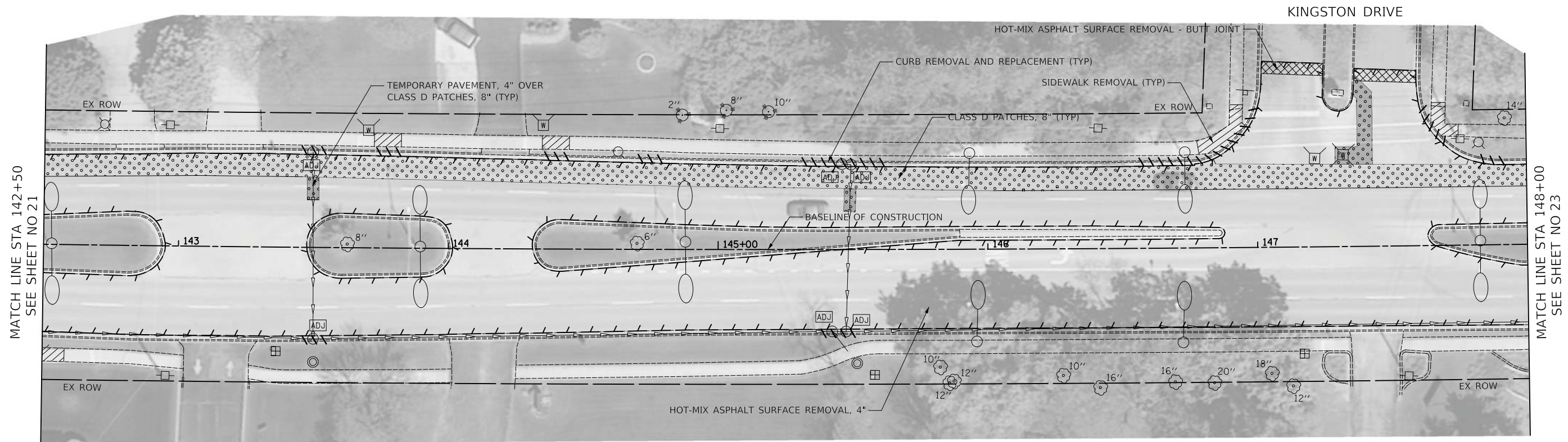
ROADWAY PLAN

SHEET NO. 8 OF 16 SHEETS STA. 137+50 TO STA. 142+50

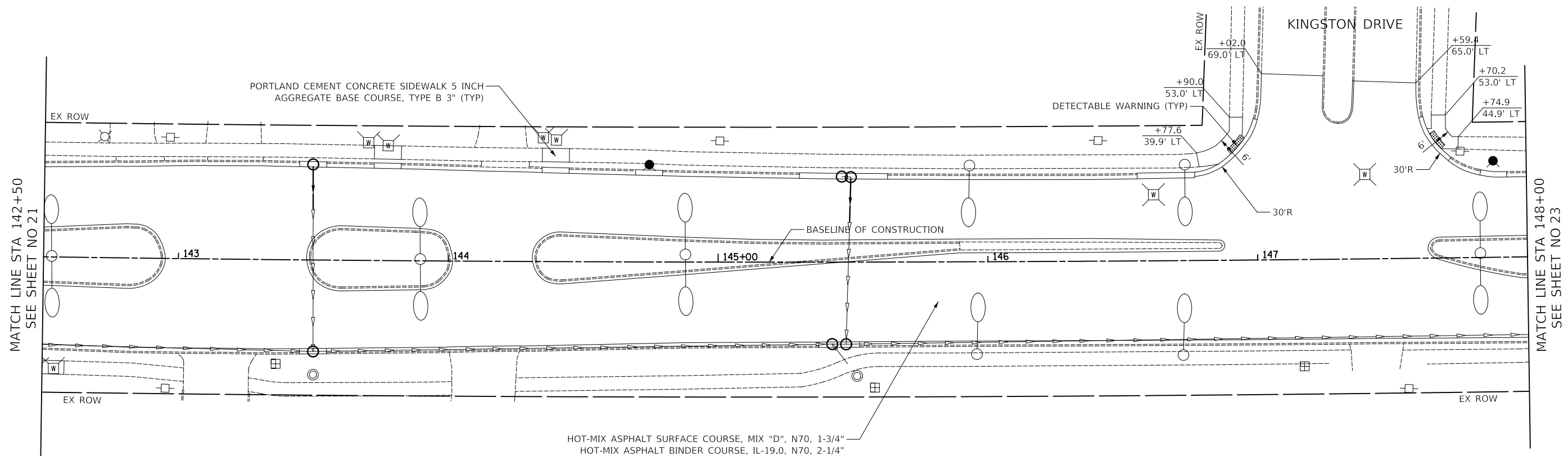
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	21
				CONTRACT NO. 61E42
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NO. OF WAY CHECKED		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NO. OF WAY CHECKED		
	STRUCTURE NOTATIONS CHKD		



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ROADWAY PLAN

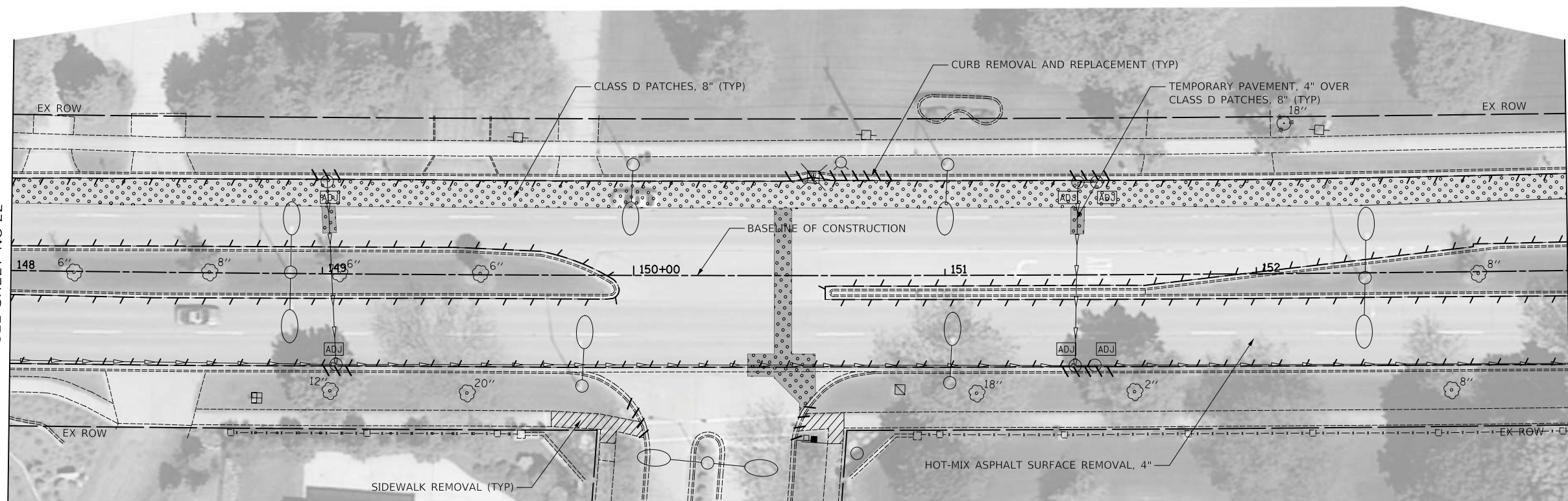
SHEET NO. 9 OF 16 SHEETS STA. 142+50 TO STA. 148+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	22
				CONTRACT NO. 61E42
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	NO. OF WAY CHECKED	
	NO.	
	ADD. FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	NO. OF WAY CHECKED	
	NO.	
	ADD. FILE NAME	

MATCH LINE STA 148+00
SEE SHEET NO 22

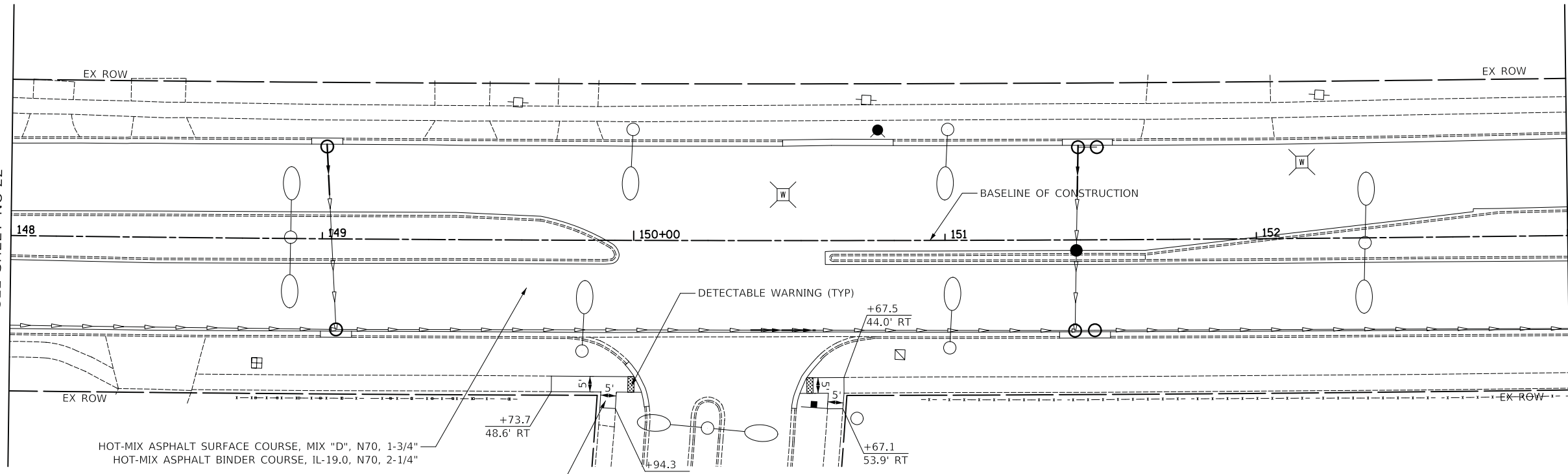


MATCH LINE STA 153+00
SEE SHEET NO 24

STONEHEDGE DRIVE

ARMY TRAIL BLVD
EXISTING

MATCH LINE STA 148+00
SEE SHEET NO 22



MATCH LINE STA 153+00
SEE SHEET NO 24

STONEHEDGE DRIVE

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CHECKED -	RTM	REVISED -	
DATE -	12/07/2017	REVISED -	

STATE OF ILLINOIS
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ROADWAY PLAN

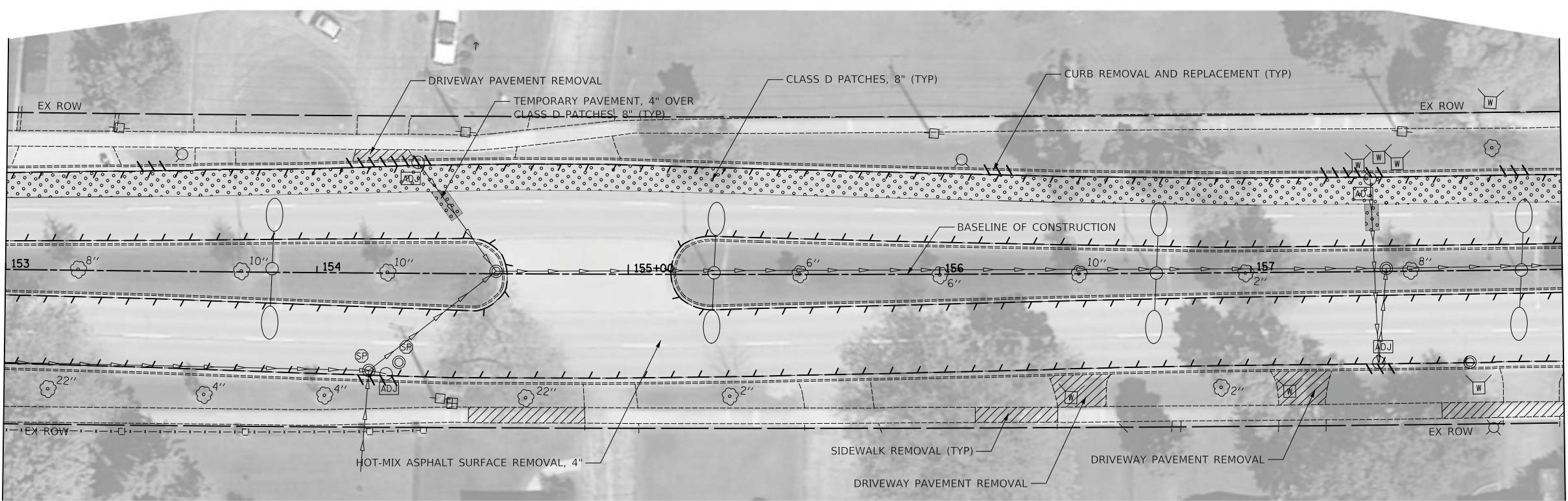
SHEET NO. 10 OF 16 SHEETS STA. 148+00 TO STA. 153+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	23
				CONTRACT NO. 61E42
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NO. OF WAY CHECKED		
	NO.		
	ADD. FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NO. OF WAY CHECKED		
	NO.		
	ADD. FILE NAME		

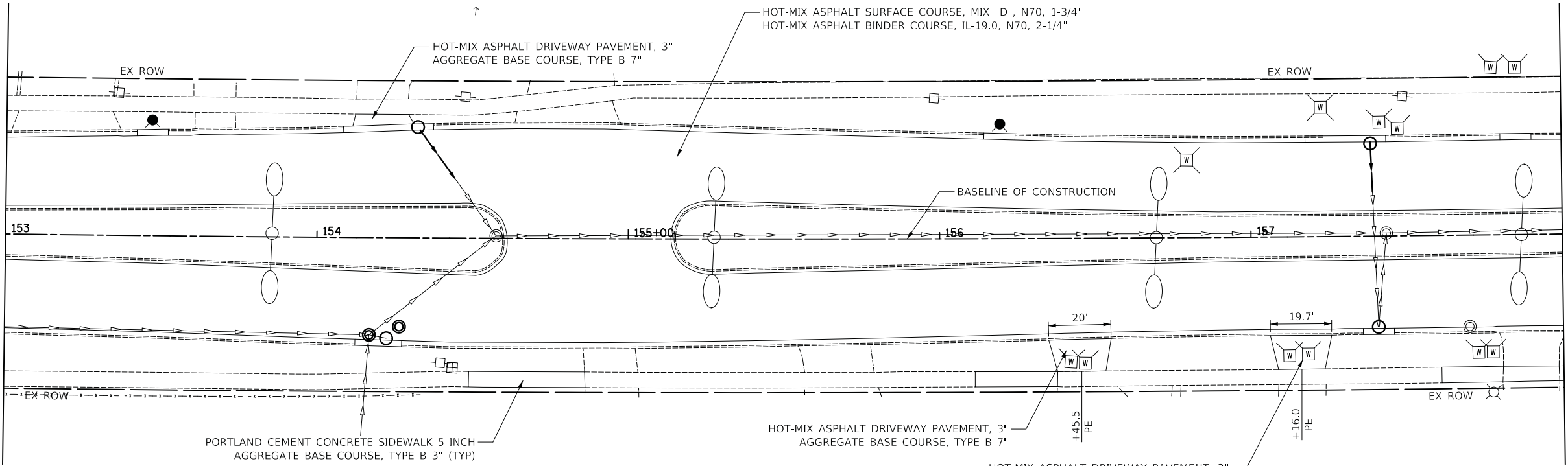
MATCH LINE STA 153+00
SEE SHEET NO 23



MATCH LINE STA 158+00
SEE SHEET NO 25

ARMY TRAIL BLVD
EXISTING

MATCH LINE STA 153+00
SEE SHEET NO 23



MATCH LINE STA 158+00
SEE SHEET NO 25

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DATE -	12/07/2017	REVISED -	

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ROADWAY PLAN

SHEET NO. 11 OF 16 SHEETS STA. 153+00 TO STA. 158+00

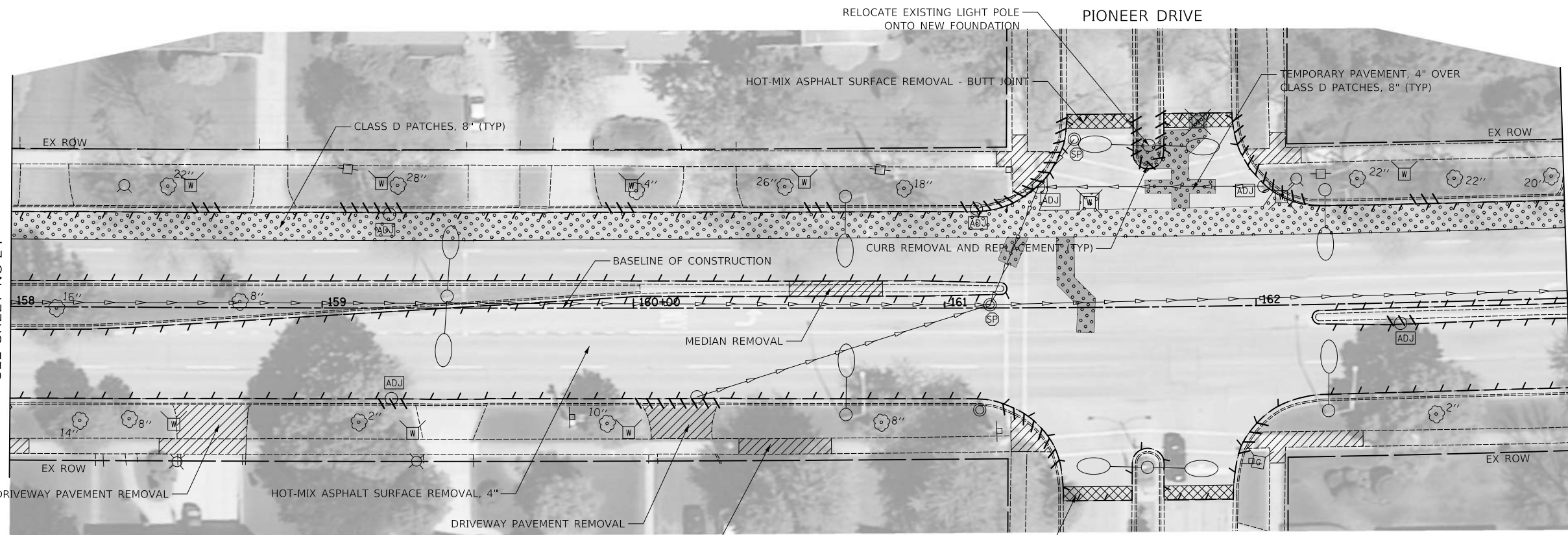
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	24
			CONTRACT NO. 61E42	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	NO. OF WAY CHECKED	
	NO.	
	ADD. FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	NO. OF WAY CHECKED	
	NO.	
	ADD. FILE NAME	

MATCH LINE STA 158+00
SEE SHEET NO 24

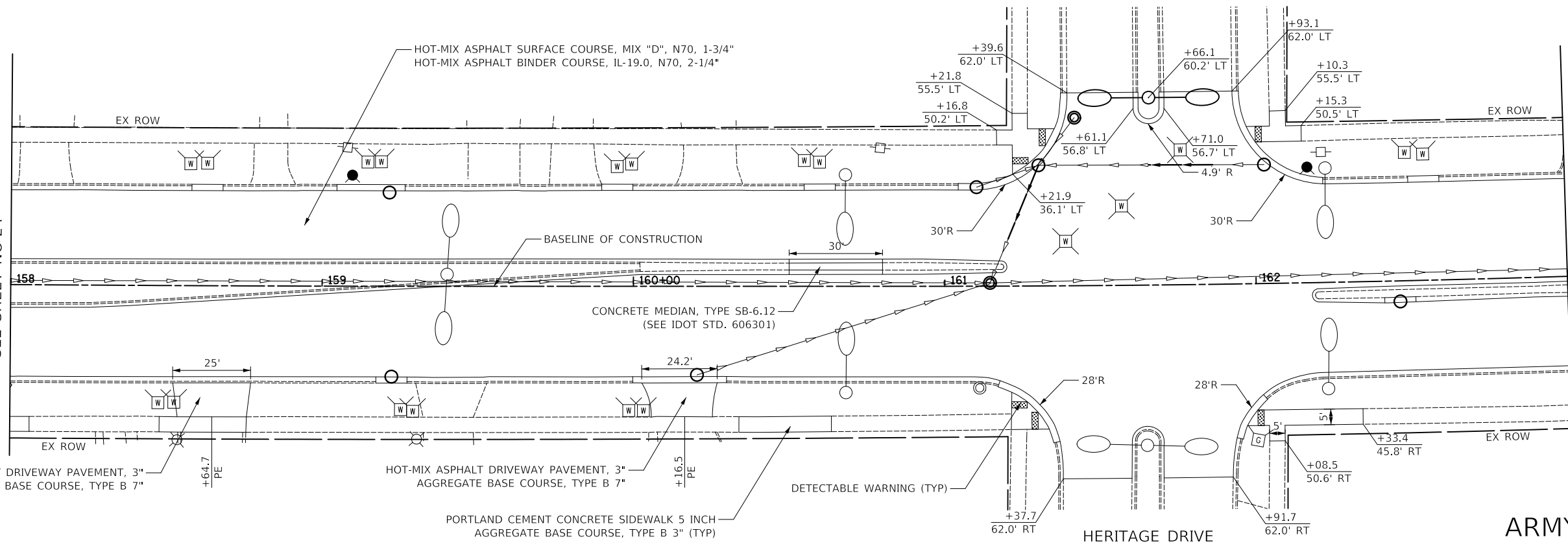
MATCH LINE STA 163+00
SEE SHEET NO 26



ARMY TRAIL BLVD
EXISTING

MATCH LINE STA 158+00
SEE SHEET NO 24

MATCH LINE STA 163+00
SEE SHEET NO 26



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DATE -	12/07/2017	REVISED -	

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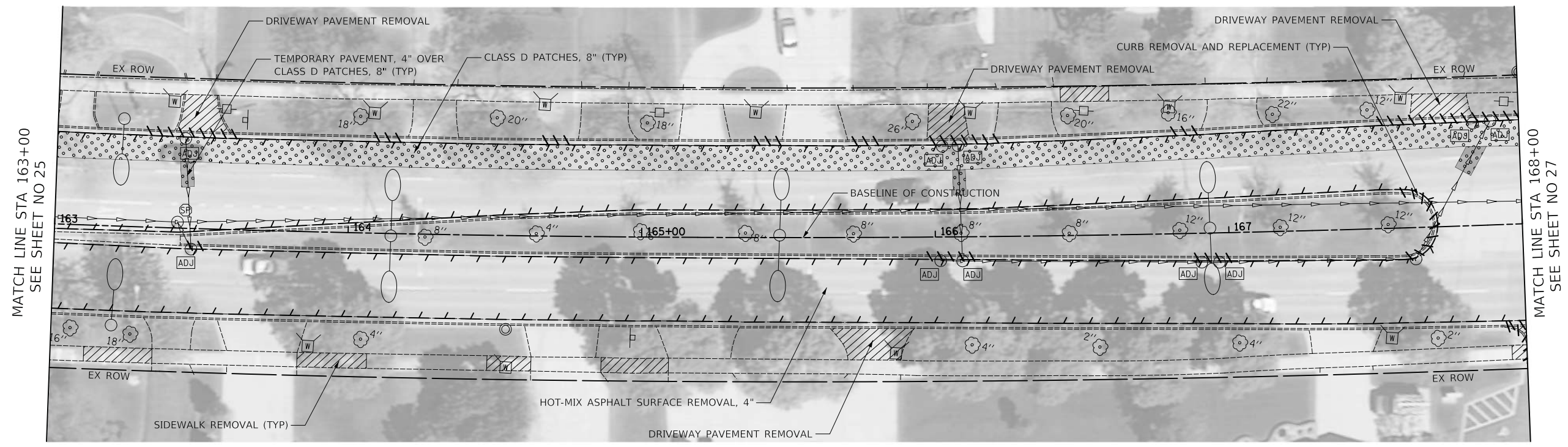


ROADWAY PLAN

SHEET NO. 12 OF 16 SHEETS STA. 158+00 TO STA. 163+00

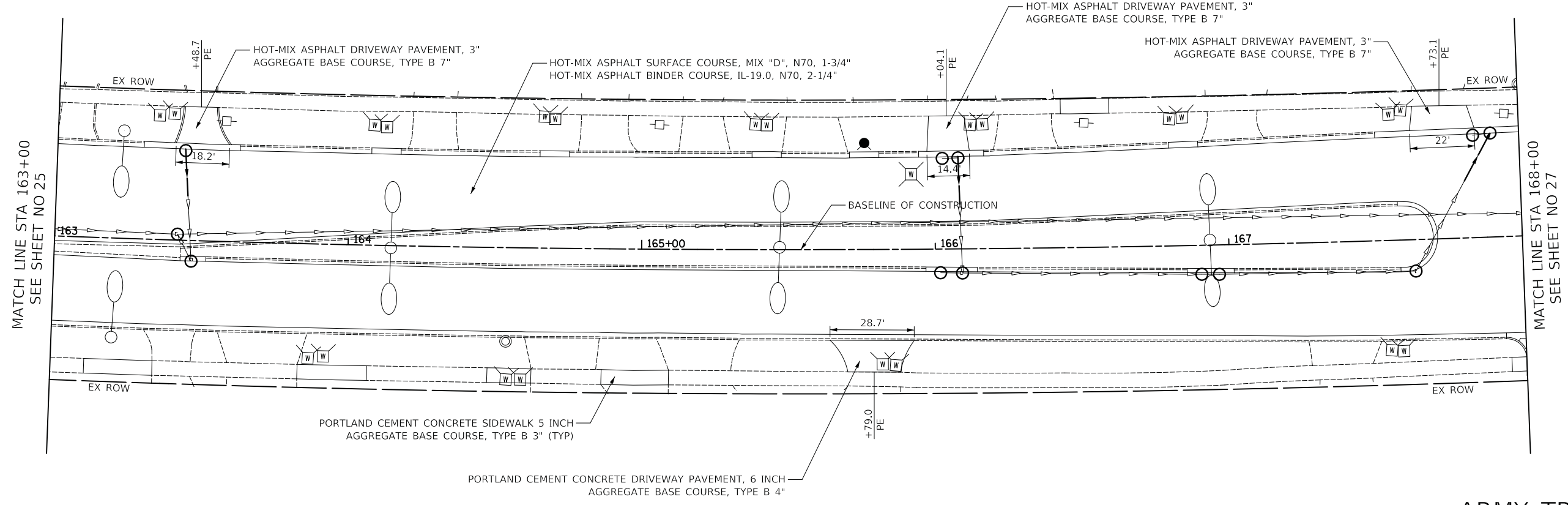
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	25
				CONTRACT NO. 61E42
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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



**ARMY TRAIL BLVD
EXISTING**

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

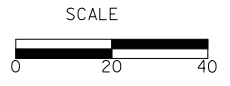


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DRAWN -	TGB	REVISED -	
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DATE -	12/07/2017	REVISED -	

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ROADWAY PLAN

SHEET NO. 13 OF 16 SHEETS STA. 163+00 TO STA. 168+00

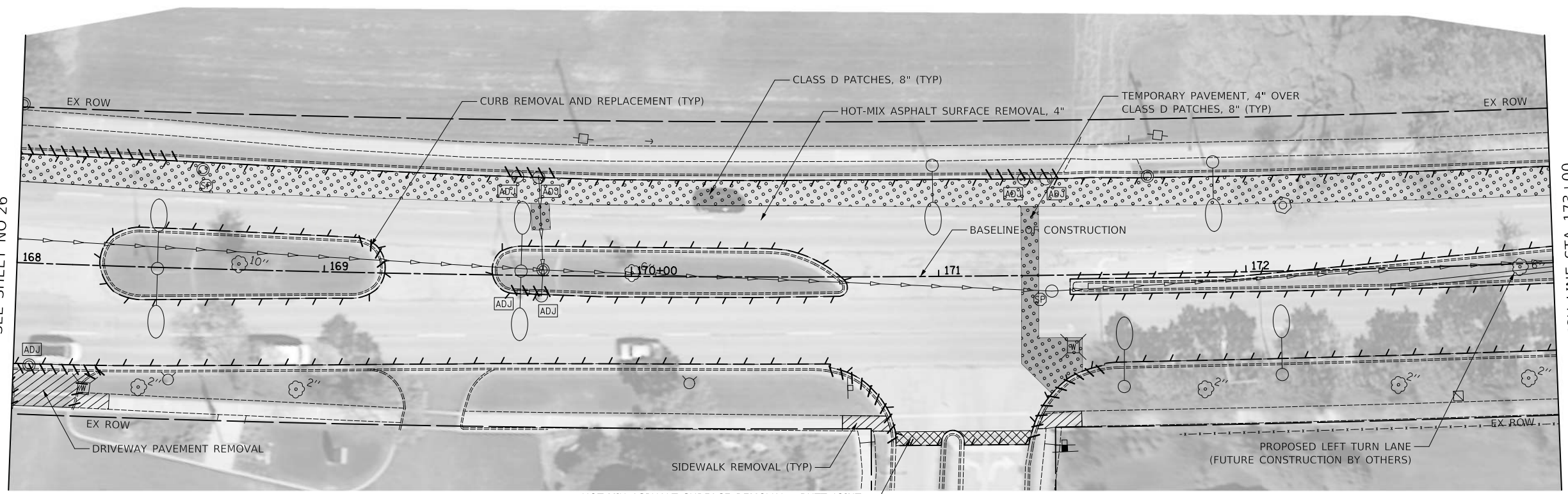
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	26
				CONTRACT NO. 61E42
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NO. OF WAY CHECKED		
	NO.		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NO. OF WAY CHECKED		
	NO.		
	STRUCTURE NOTATIONS CHKD		

MATCH LINE STA 168+00
SEE SHEET NO 26

MATCH LINE STA 173+00
SEE SHEET NO 28

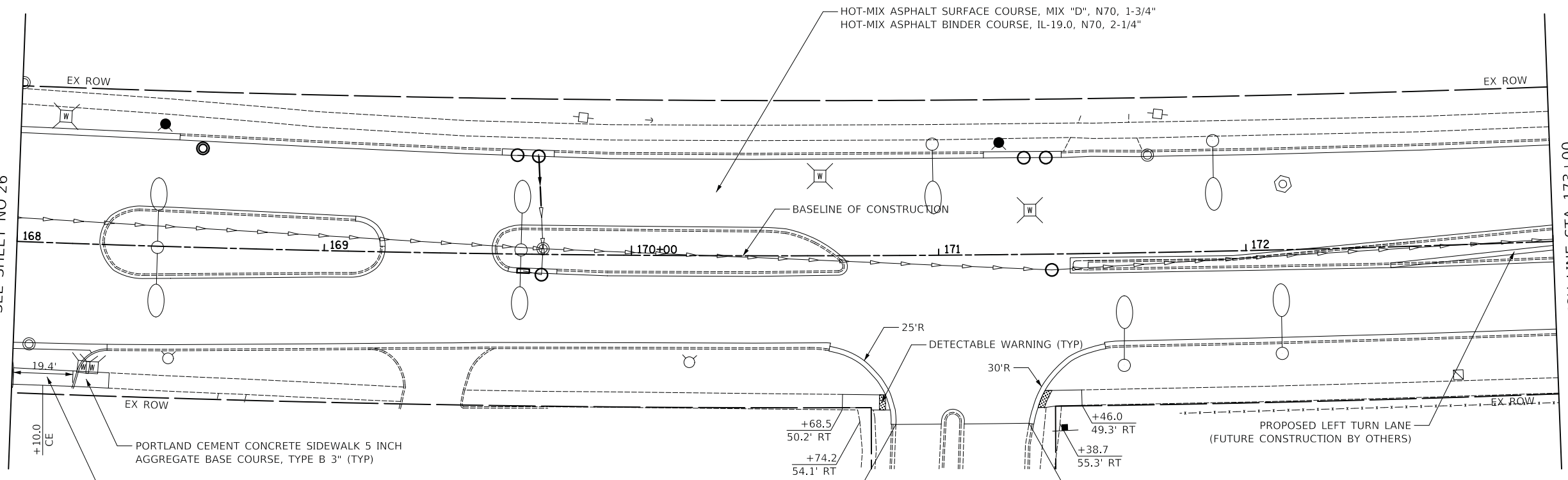


ST. JOHN PLACE

ARMY TRAIL BLVD
EXISTING

MATCH LINE STA 168+00
SEE SHEET NO 26

MATCH LINE STA 173+00
SEE SHEET NO 28



ST. JOHN PLACE

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CHECKED -	RTM	REVISED -	
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ROADWAY PLAN

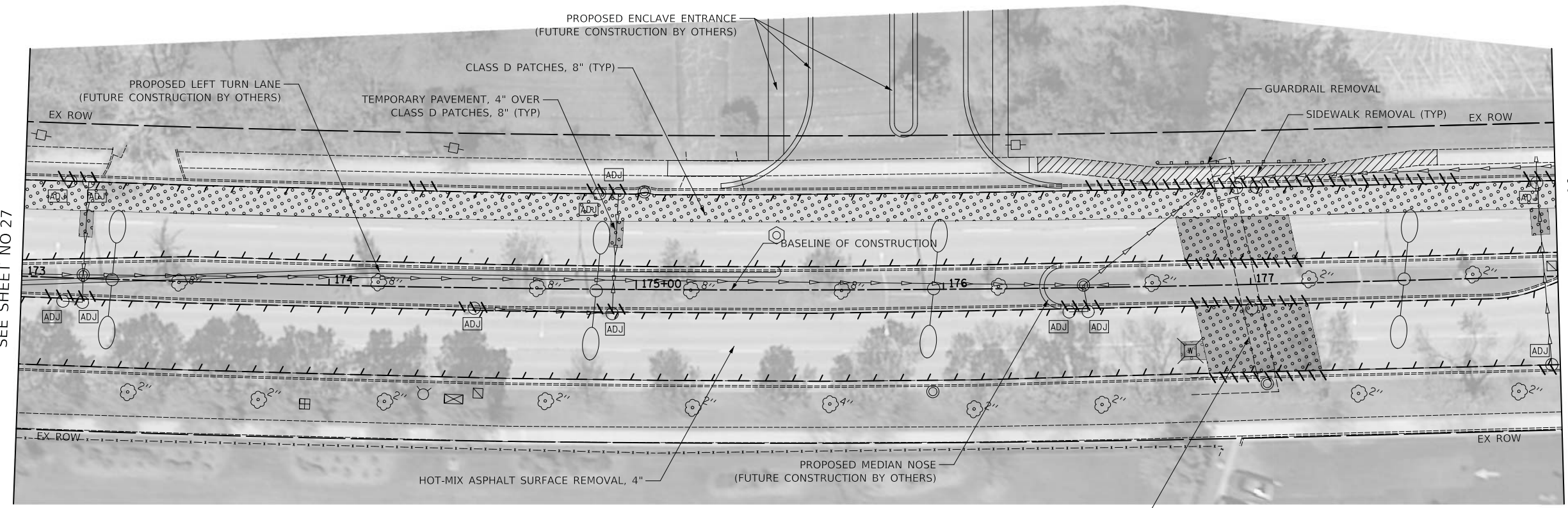
SHEET NO. 14 OF 16 SHEETS STA. 168+00 TO STA. 173+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	27
				CONTRACT NO. 61E42
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	IN CHARGE		
	NO. OF WAY CHECKED		
	NO.		
	CADD FILE NAME		

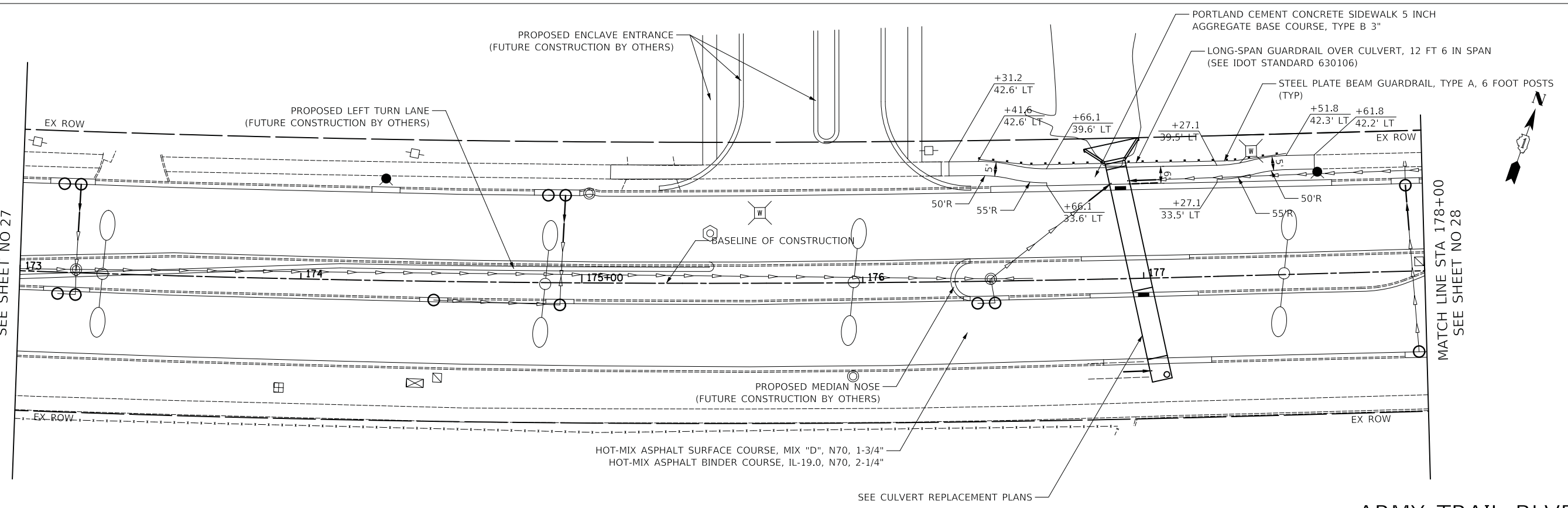
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	IN CHARGE		
	NO. OF WAY CHECKED		
	NO.		
	STRUCTURE NOTATIONS CHKD		

MATCH LINE STA 173+00
SEE SHEET NO 27



ARMY TRAIL BLVD EXISTING

MATCH LINE STA 173+00
SEE SHEET NO 27



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CHECKED - RTM	REVISED -
DATE - 12/07/2017	REVISED -

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ROADWAY PLAN

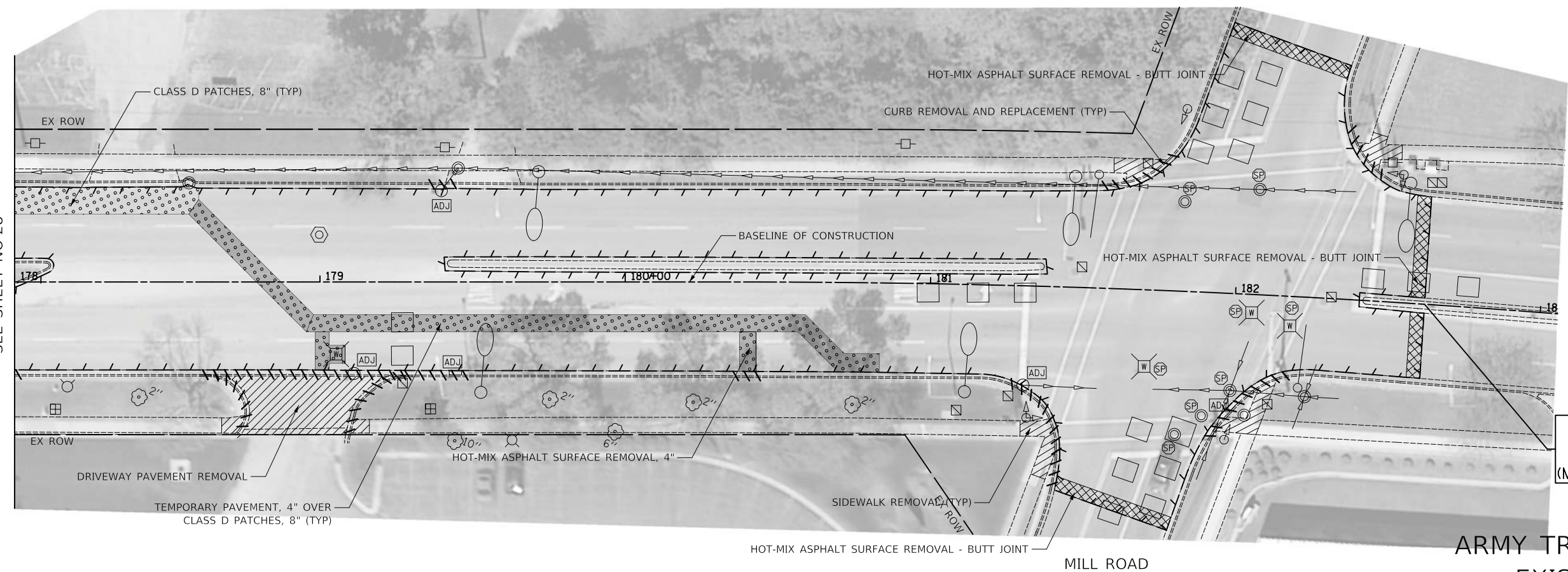
SHEET NO. 15 OF 16 SHEETS STA. 173+00 TO STA. 178+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	28
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. OF WAY CHECKED	
	NO.	
	ADD. FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. OF WAY CHECKED	
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	ADD. FILE NAME	

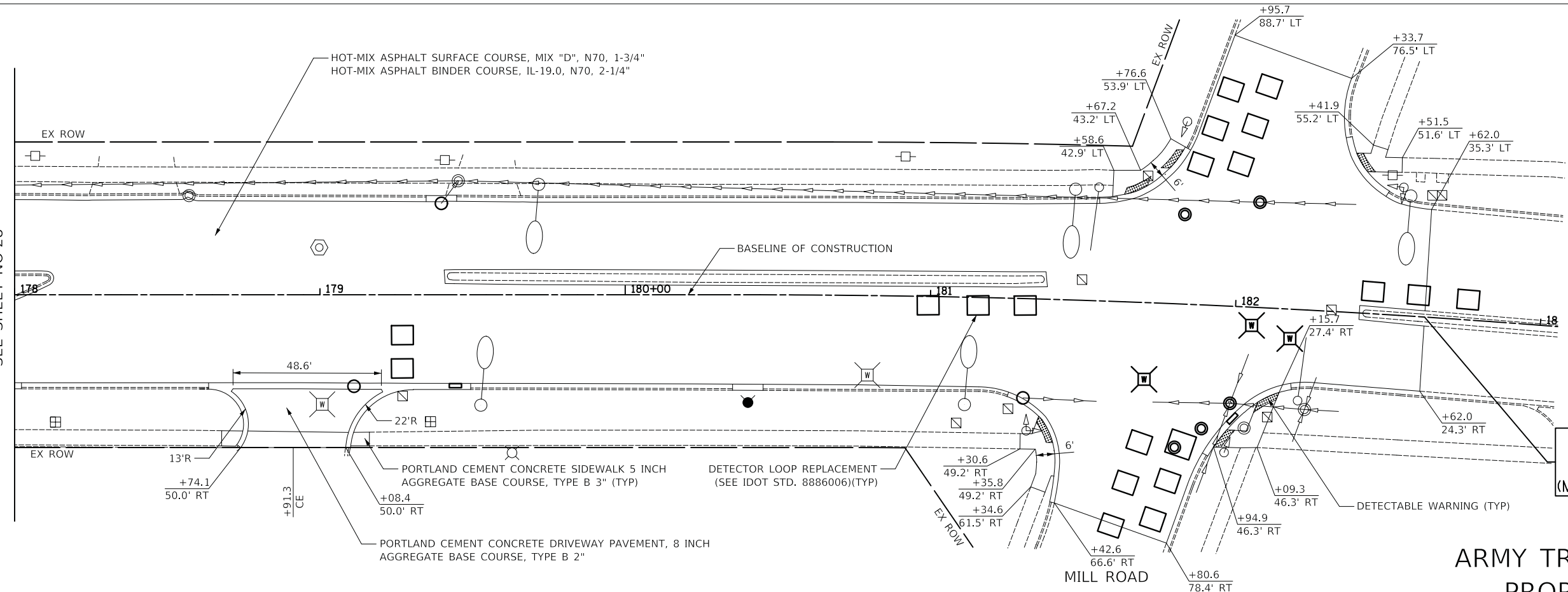
MATCH LINE STA 178+00
SEE SHEET NO 28



END PROJECT
IMPROVEMENTS
STA 182+62.0
(MATCH EXISTING)

ARMY TRAIL BLVD
EXISTING

MATCH LINE STA 178+00
SEE SHEET NO 28



END PROJECT
IMPROVEMENTS
STA 182+62.0
(MATCH EXISTING)

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CHECKED -	RTM	REVISED -	
DATE -	12/07/2017	REVISED -	

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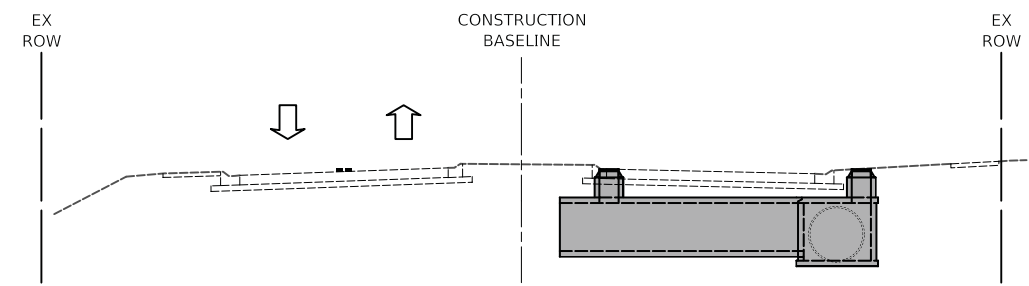
ROADWAY PLAN

SHEET NO. 16 OF 16 SHEETS STA. 178+00 TO STA. 182+62

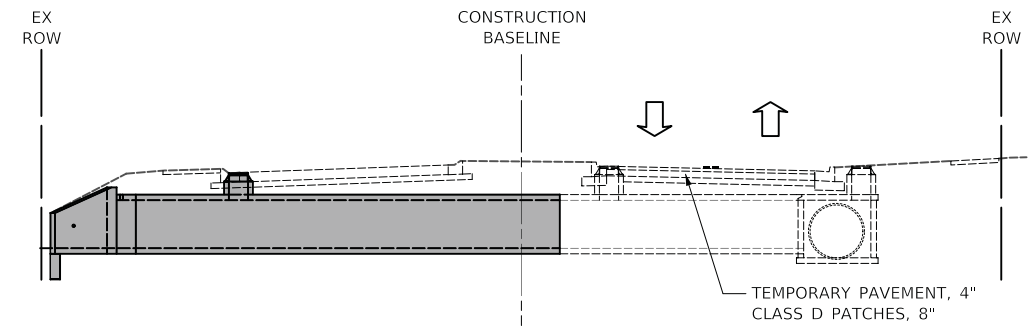
F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	29
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
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	NO. OF WAY CHECKED	
	ADD. FILE NAME	
	NO.	

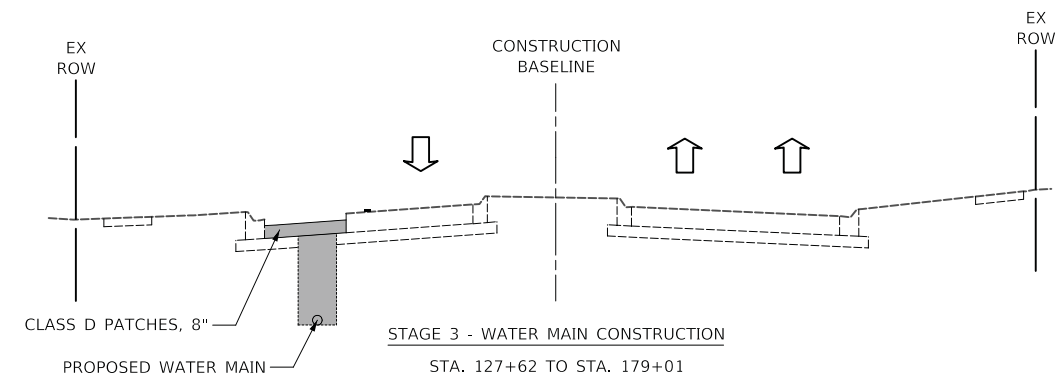
PROFILE	SURVEYED	DATE
	PLOTTED	
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	NO. OF WAY CHECKED	
	ADD. FILE NAME	
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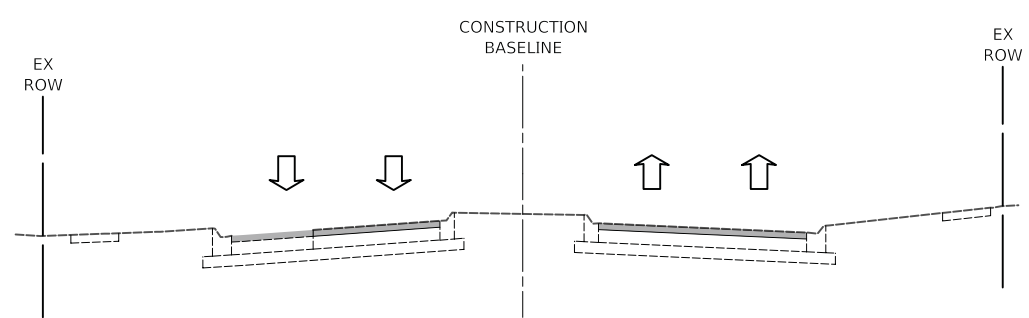
STAGE 1 - SOUTH HALF OF CULVERT



STAGE 2 - NORTH HALF OF CULVERT



STAGE 3 - WATER MAIN CONSTRUCTION
STA. 127+62 TO STA. 179+01



STAGE 4 - MILL AND RESURFACE
STA. 108+58 TO STA. 182+62



PERMANENT CONSTRUCTION DURING STAGE
(SEE MAINTENANCE OF TRAFFIC SHEETS)



DIRECTION OF TRAFFIC PATTERNS

STAGE 1 - SOUTH HALF OF CULVERT

1. ERECT ALL ADVANCED CONSTRUCTION SIGNING.
2. IMPLEMENT SOIL AND SEDIMENT EROSION CONTROL PLAN AND PROVIDE TEMPORARY FENCE WHERE PERIMETER EROSION BARRIER IS NOT SHOWN.
3. REMOVE CONFLICTING PAVEMENT MARKINGS AND PLACE TEMPORARY MARKINGS. ERECT BARRICADES AND TEMPORARY TRAFFIC SIGNS. SHIFT TRAFFIC AS SHOWN IN MAINTENANCE OF TRAFFIC - STAGE 1
4. REMOVE EXISTING PAVEMENT AND IMPLEMENT TEMPORARY STREAM DIVERSION. REMOVE SOUTH HALF OF EXISTING CULVERT. CONSTRUCT SOUTH HALF OF PROPOSED CULVERT.
5. CONSTRUCT PATCH AND TEMPORARY PAVEMENT OVER SOUTH HALF OF CULVERT.

STAGE 2 - NORTH HALF OF CULVERT

1. REMOVE CONFLICTING PAVEMENT MARKINGS AND PLACE TEMPORARY MARKINGS. RELOCATE BARRICADES, AND ADJUST TEMPORARY SIGNING. SHIFT TRAFFIC AS SHOWN IN MAINTENANCE OF TRAFFIC - STAGE 2
2. REMOVE EXISTING PAVEMENT AND REMAINING HALF OF EXISTING CULVERT. CONSTRUCT NORTH HALF OF PROPOSED CULVERT.
3. CONSTRUCT PATCH AND TEMPORARY PAVEMENT OVER NORTH HALF OF CULVERT.
4. REMOVE TEMPORARY STREAM DIVERSION.

STAGE 3 - WATER MAIN CONSTRUCTION

1. REMOVE CONFLICTING PAVEMENT MARKINGS AND SIGNING. IMPLEMENT LANE CLOSURE FOR THE OUTSIDE, WESTBOUND LANE OF ARMY TRAIL BLVD. USING IDOT STANDARD 701601.
2. CONSTRUCT PROPOSED WATERMAIN
3. CONSTRUCT PATCH OVER WATER MAIN AND TEMPORARY PAVEMENT OVER PATCHES THAT CROSS ACTIVE TRAFFIC LANES.
4. RECONSTRUCT ANY CURB AND GUTTER, ENTRANCES, AND SIDEWALK THAT WAS AFFECTED BY WATER MAIN CONSTRUCTION. CONSTRUCT REMAINING CURB AND GUTTER AND SIDEWALK SPOT REPAIRS
5. CONSTRUCT PROPOSED SIDEWALK ON THE WEST END OF THE PROJECT.

STAGE 4 - MILL AND RESURFACE

1. MILL EXISTING PAVEMENT ALONG ARMY TRAIL BLVD.
2. PLACE BINDER AND SURFACE COURSE TO FINISHED GRADE ALONG ARMY TRAIL BLVD. MAINTAIN TRAFFIC PER IDOT STANDARD 701501. PLACE SHORT TERM PAVEMENT MARKINGS AS REQUIRED.
3. PLACE PERMANENT PAVEMENT MARKINGS AND PERMANENT SIGNING. REMOVE TEMPORARY TRAFFIC SIGNS.
4. COMPLETE ALL REMAINING LANDSCAPING AND CLEAN-UP WORK.

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DRAWN -	TGB	REVISED -	
CHECKED -	RTM	REVISED -	
DATE -	12/07/2017	REVISED -	

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NO SCALE

MAINTENANCE OF TRAFFIC NOTES








SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	30
				CONTRACT NO. 61E42
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
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	BY	
	NO. OF WAY CHECKED	
	ADD. FILE NAME	
	NO.	

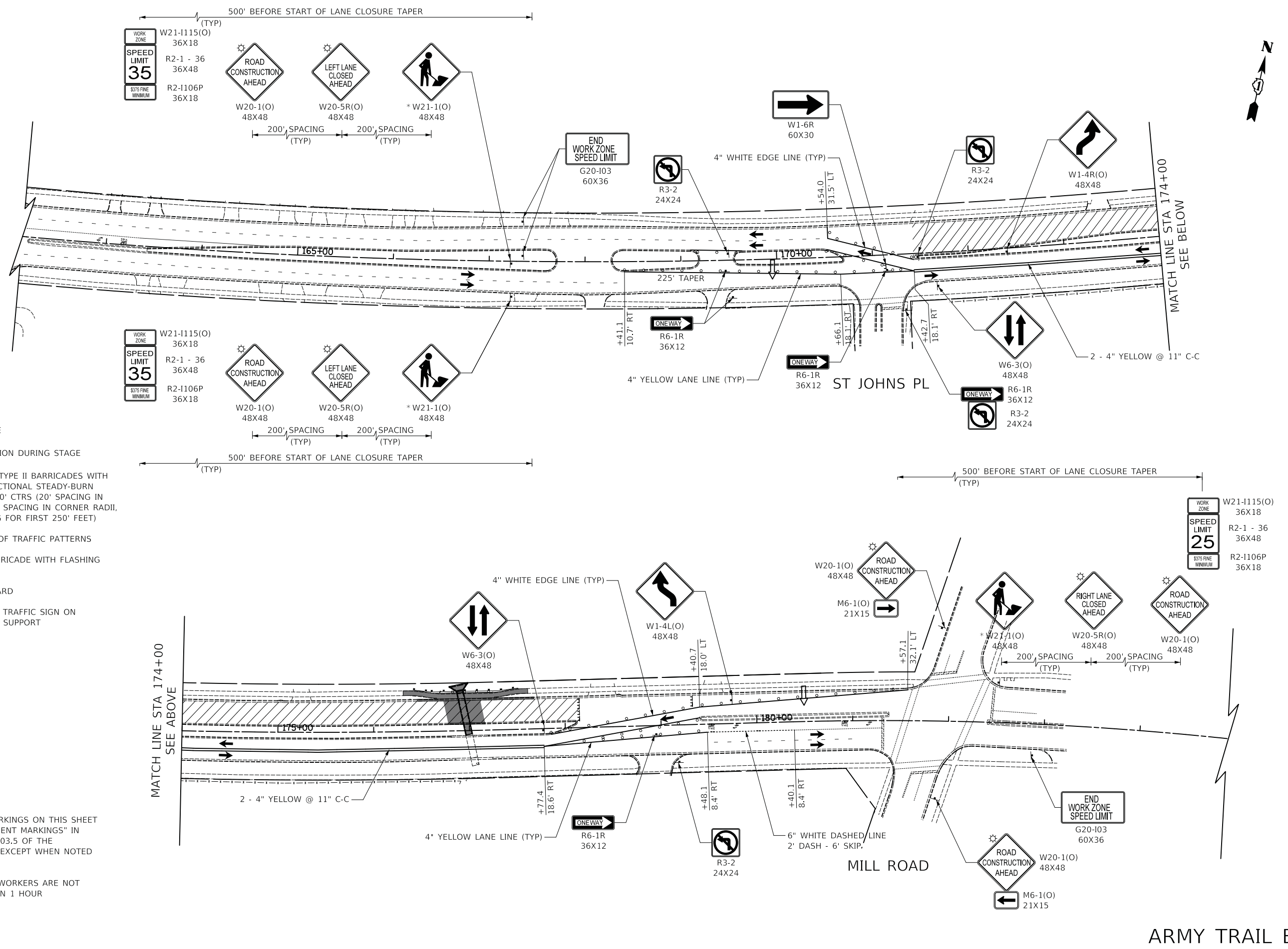
PROFILE	SURVEYED	DATE
	PLOTTED	
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	ADD. FILE NAME	
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LEGEND

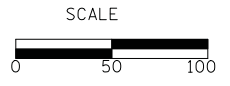
-  WORK ZONE
-  CONSTRUCTION DURING STAGE
-  DRUMS OR TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII, 25' SPACING FOR FIRST 250' FEET)
-  DIRECTION OF TRAFFIC PATTERNS
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  ARROW BOARD
-  TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT

NOTES
 ALL PROPOSED PAVEMENT MARKINGS ON THIS SHEET SHALL BE "TEMPORARY PAVEMENT MARKINGS" IN ACCORDANCE WITH ARTICLE 703.5 OF THE "STANDARD SPECIFICATIONS", EXCEPT WHEN NOTED OTHERWISE

* TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN 1 HOUR



**STATE OF ILLINOIS
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MAINTENANCE OF TRAFFIC PLAN - STAGE 2

SHEET NO. 1 OF 1 SHEETS STA. 162+00 TO STA. 182+62.0

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	32
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

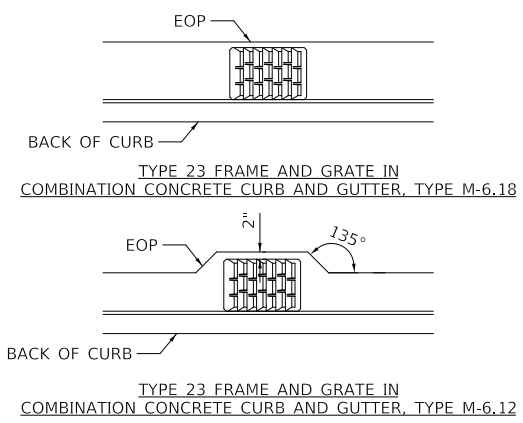
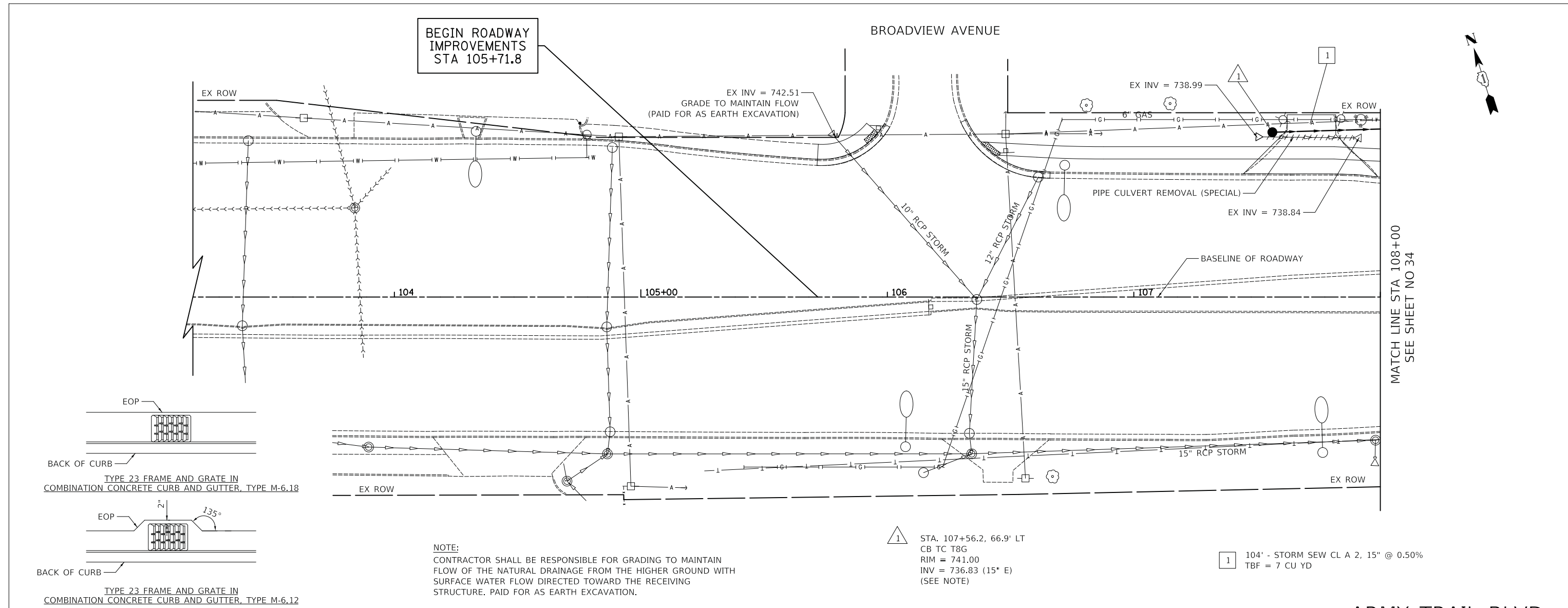
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DATE	12/07/2017	REVISED -	

ARMY TRAIL BLVD

PLAN	SURVEYED	DATE
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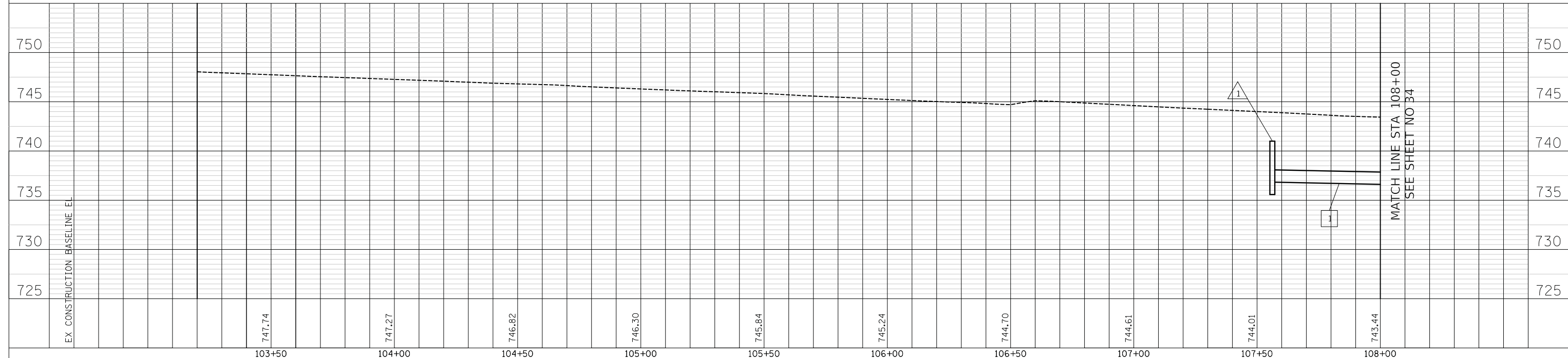


NOTE:
 CONTRACTOR SHALL BE RESPONSIBLE FOR GRADING TO MAINTAIN FLOW OF THE NATURAL DRAINAGE FROM THE HIGHER GROUND WITH SURFACE WATER FLOW DIRECTED TOWARD THE RECEIVING STRUCTURE. PAID FOR AS EARTH EXCAVATION.

1 STA. 107+56.2, 66.9' LT
 CB TC T8G
 RIM = 741.00
 INV = 736.83 (15" E)
 (SEE NOTE)

1 104' - STORM SEW CL A 2, 15" @ 0.50%
 TBF = 7 CU YD

ARMY TRAIL BLVD



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DATE - 12/07/2017	REVISED -

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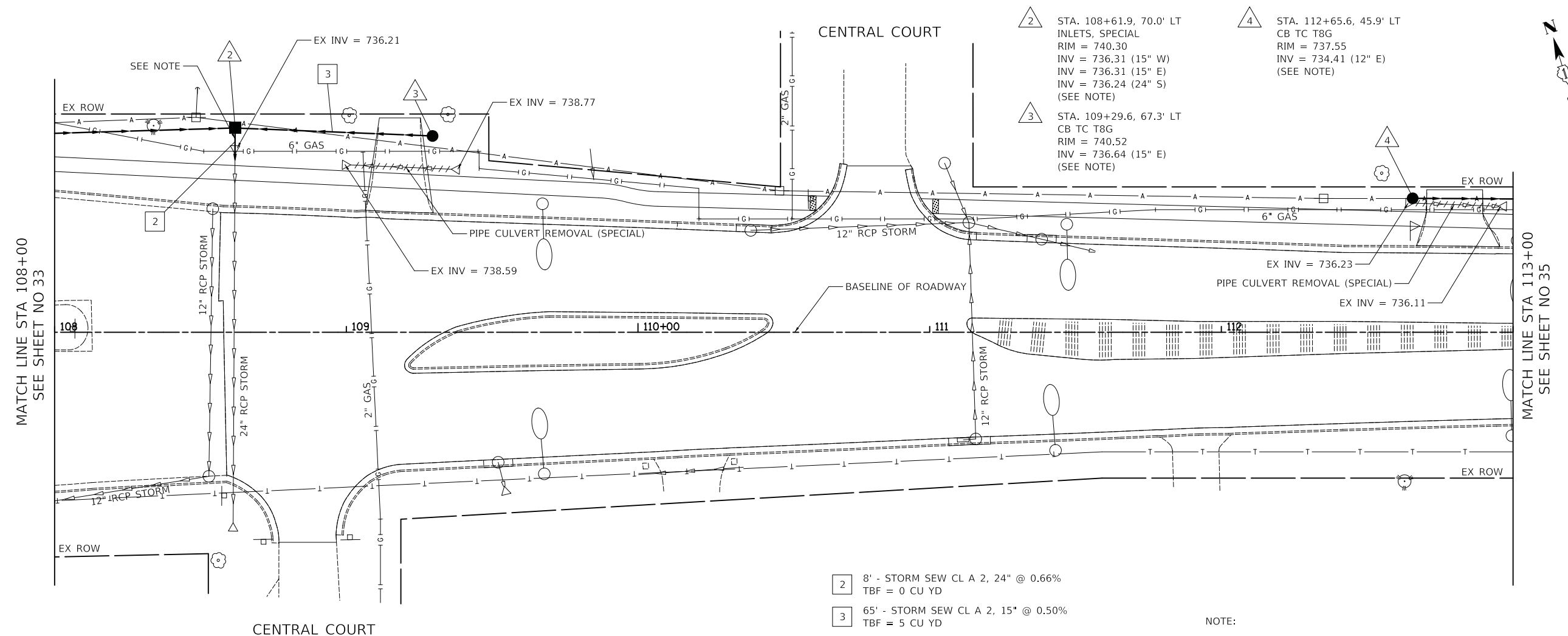


DRAINAGE AND UTILITIES
 SHEET NO. 1 OF 5 SHEETS STA. 105+72 TO STA. 108+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	33
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
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PROFILE	SURVEYED	DATE
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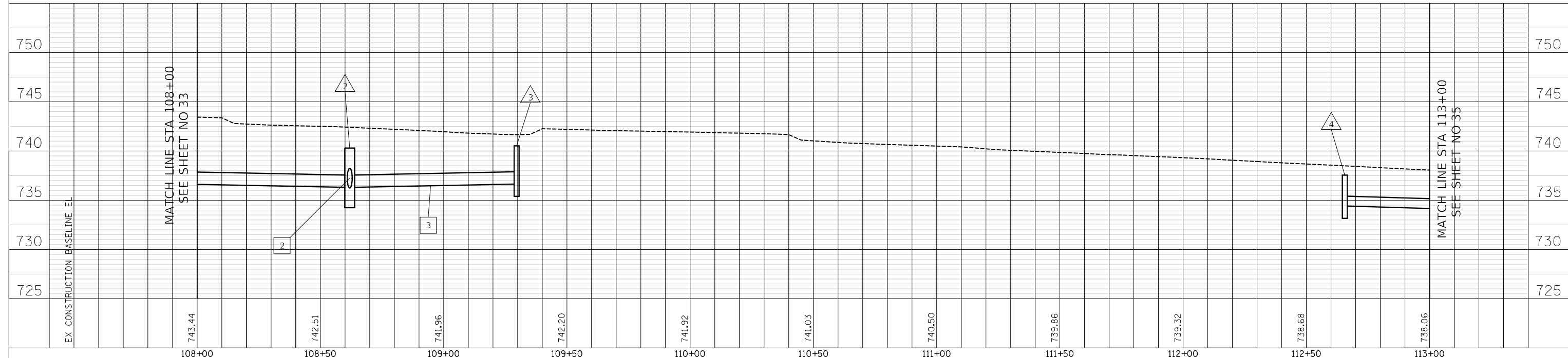
- △ 2 STA. 108+61.9, 70.0' LT
INLETS, SPECIAL
RIM = 740.30
INV = 736.31 (15" W)
INV = 736.31 (15" E)
INV = 736.24 (24" S)
(SEE NOTE)
- △ 3 STA. 109+29.6, 67.3' LT
CB TC T8G
RIM = 740.52
INV = 736.64 (15" E)
(SEE NOTE)
- △ 4 STA. 112+65.6, 45.9' LT
CB TC T8G
RIM = 737.55
INV = 734.41 (12" E)
(SEE NOTE)

- 2 8' - STORM SEW CL A 2, 24" @ 0.66%
TBF = 0 CU YD
- 3 65' - STORM SEW CL A 2, 15" @ 0.50%
TBF = 5 CU YD

NOTE:
REMOVAL OF FLARED END SECTION TO BE INCLUDED IN THE COST OF THE NEW PIPE CONNECTION.

NOTE:
CONTRACTOR SHALL BE RESPONSIBLE FOR GRADING TO MAINTAIN FLOW OF THE NATURAL DRAINAGE FROM THE HIGHER GROUND WITH SURFACE WATER FLOW DIRECTED TOWARD THE RECEIVING STRUCTURE. PAID FOR AS EARTH EXCAVATION.

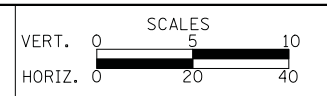
ARMY TRAIL BLVD



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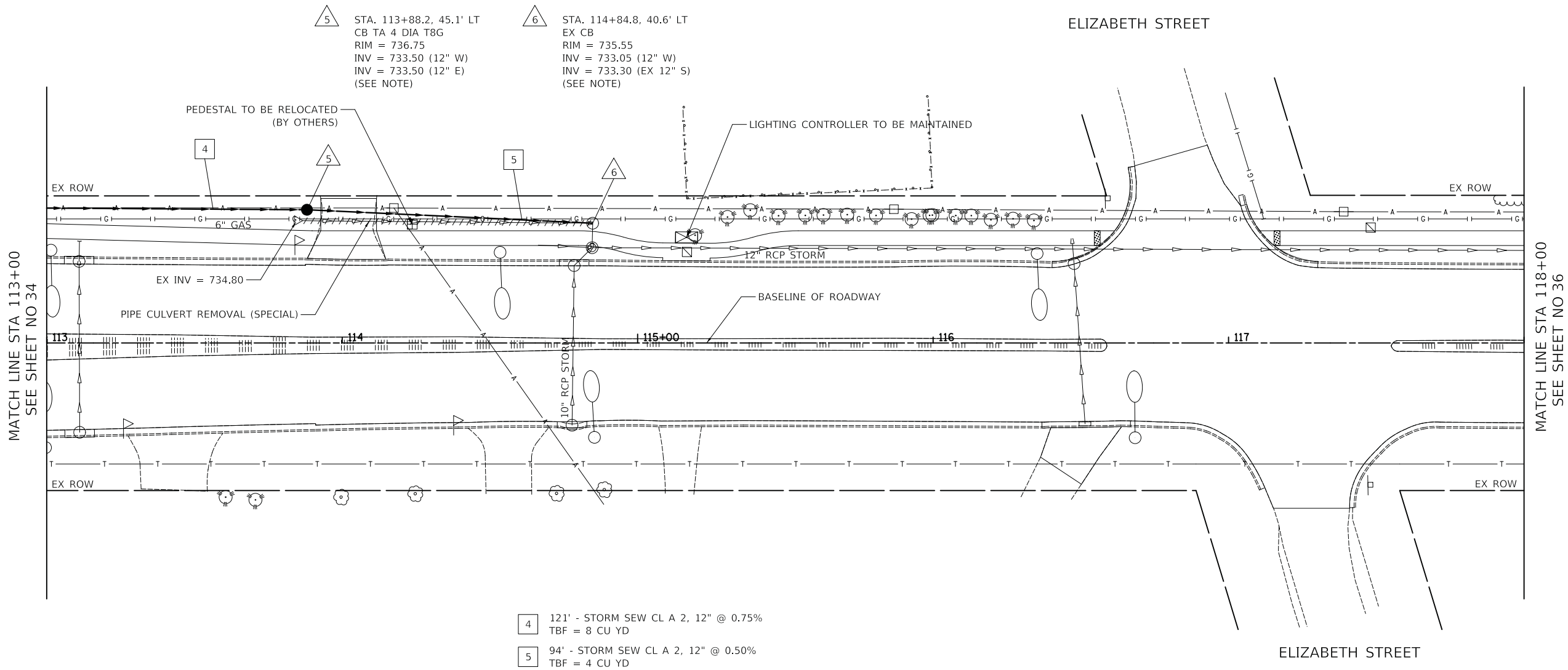


DRAINAGE AND UTILITIES
SHEET NO. 2 OF 5 SHEETS
STA. 108+00 TO STA. 113+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	34
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
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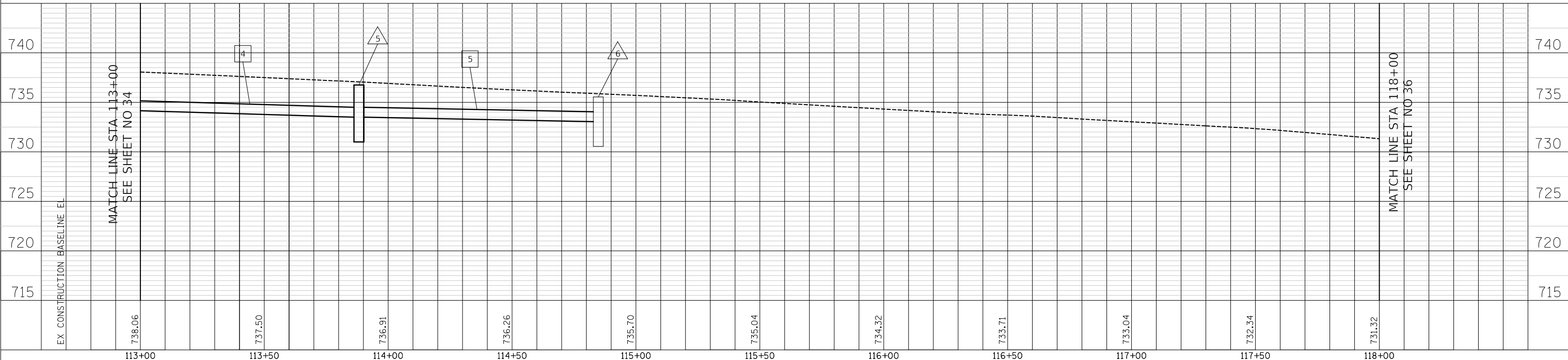


5 STA. 113+88.2, 45.1' LT
CB TA 4 DIA T8G
RIM = 736.75
INV = 733.50 (12" W)
INV = 733.50 (12" E)
(SEE NOTE)

6 STA. 114+84.8, 40.6' LT
EX CB
RIM = 735.55
INV = 733.05 (12" W)
INV = 733.30 (EX 12" S)
(SEE NOTE)

- 4 121' - STORM SEW CL A 2, 12" @ 0.75%
TBF = 8 CU YD
- 5 94' - STORM SEW CL A 2, 12" @ 0.50%
TBF = 4 CU YD

NOTE:
CONTRACTOR SHALL BE RESPONSIBLE FOR GRADING TO MAINTAIN FLOW OF THE NATURAL DRAINAGE FROM THE HIGHER GROUND WITH SURFACE WATER FLOW DIRECTED TOWARD THE RECEIVING STRUCTURE. PAID FOR AS EARTH EXCAVATION.



113+00	113+50	114+00	114+50	115+00	115+50	116+00	116+50	117+00	117+50	118+00
738.06	737.50	736.91	736.26	735.70	735.04	734.32	733.71	733.04	732.34	731.32

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DATE - 12/07/2017	REVISED -

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DRAINAGE AND UTILITIES

SHEET NO. 3 OF 5 SHEETS STA. 113+00 TO STA. 118+00

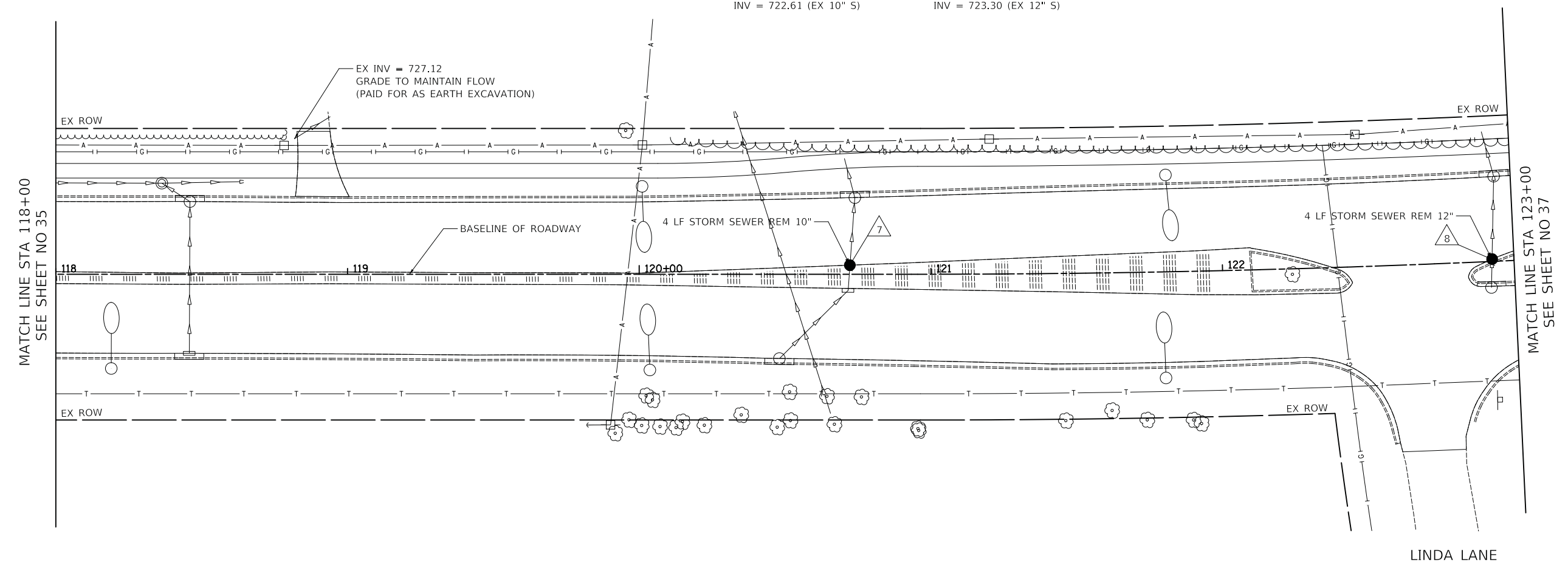
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	35
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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	STRUCTURE NOTATIONS CHKD		

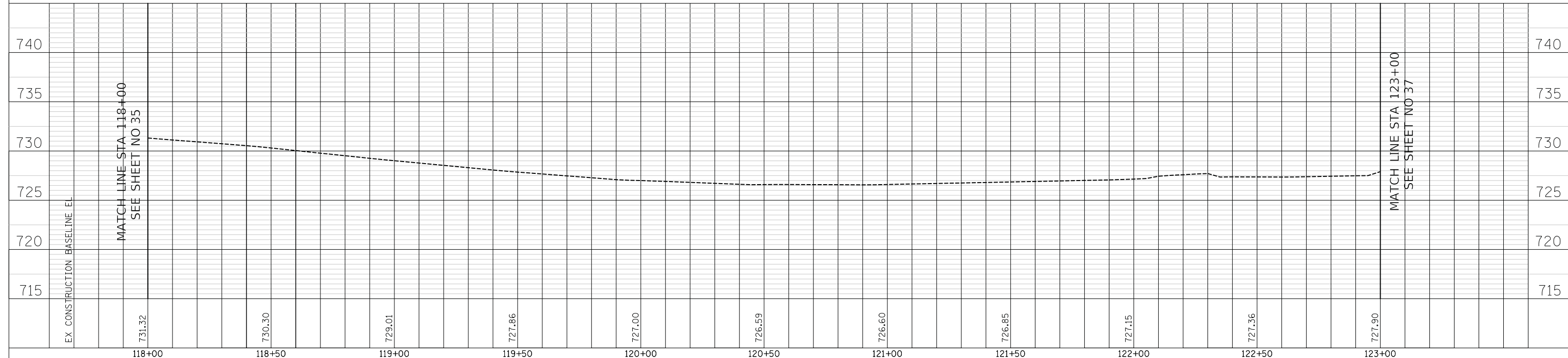
7 STA. 120+72.2, 3.1' LT
 CB TA 4 DIA T23F&G
 RIM = 726.52
 INV = 722.55 (EX 10" N)
 INV = 722.61 (EX 10" S)

8 STA. 122+92.4, 0.7' LT
 CB TA 4 DIA T23F&G
 RIM = 727.48
 INV = 723.25 (EX 12" N)
 INV = 723.30 (EX 12" S)



LINDA LANE

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DATE -	12/07/2017	REVISED -	

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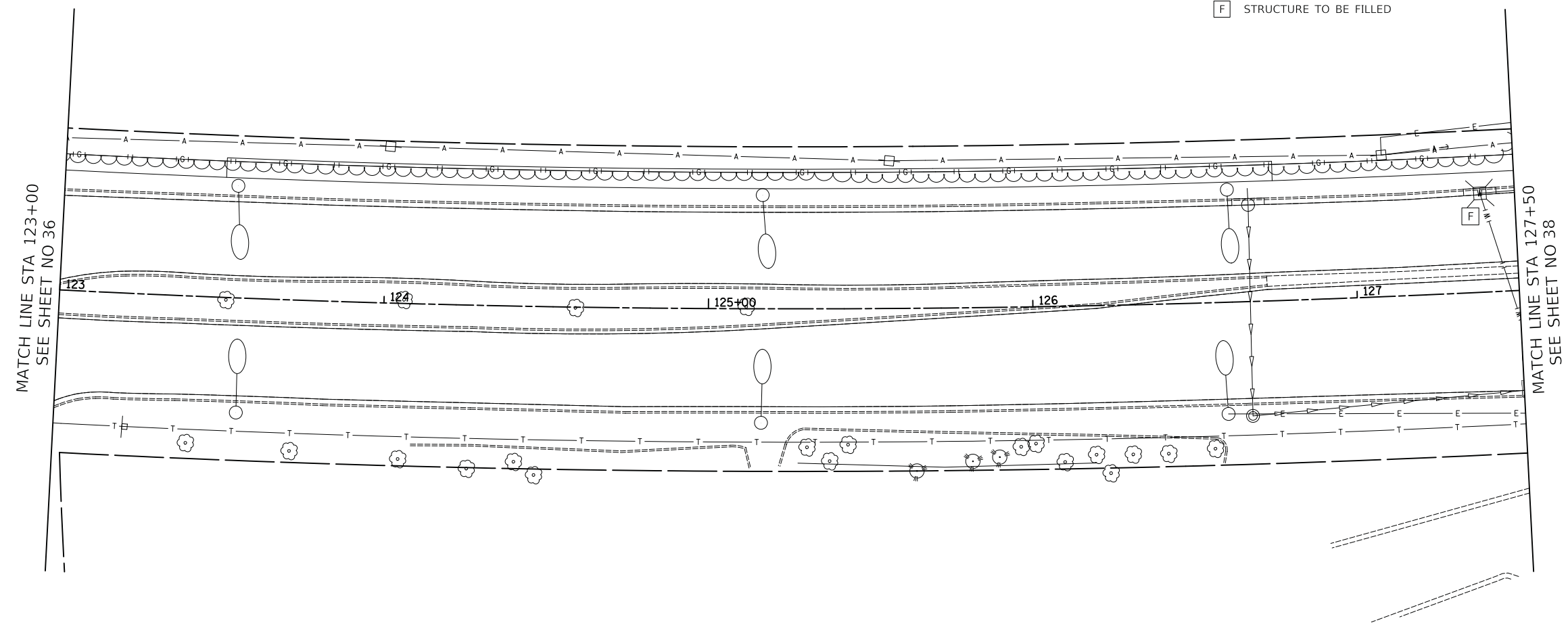
DRAINAGE AND UTILITIES
 SHEET NO. 4 OF 5 SHEETS STA. 118+00 TO STA. 123+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	36
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

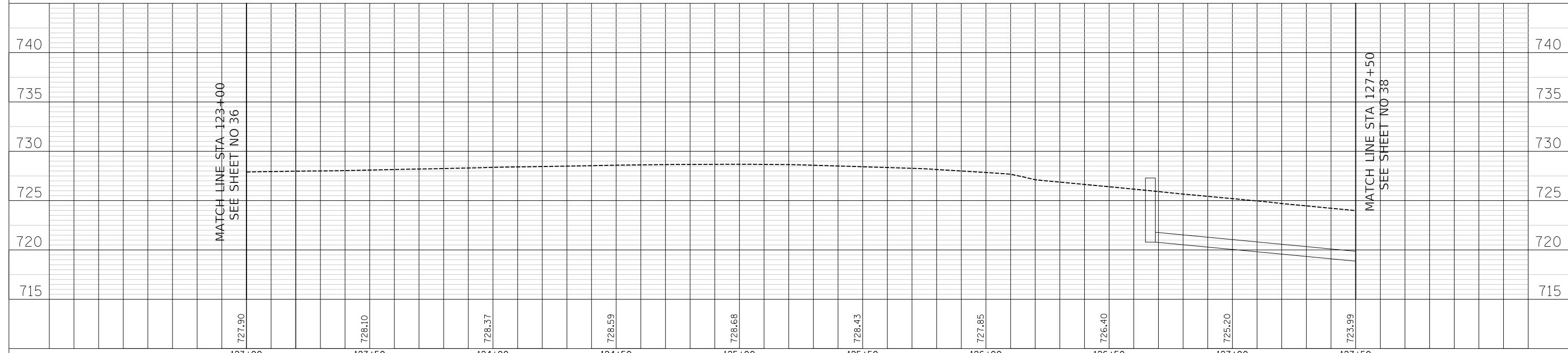
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PROFILE	SURVEYED	DATE
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LEGEND
 [R] STRUCTURE TO BE REMOVED
 [F] STRUCTURE TO BE FILLED



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DRAINAGE AND UTILITIES

SHEET NO. 5 OF 5 SHEETS STA. 123+00 TO STA. 127+50

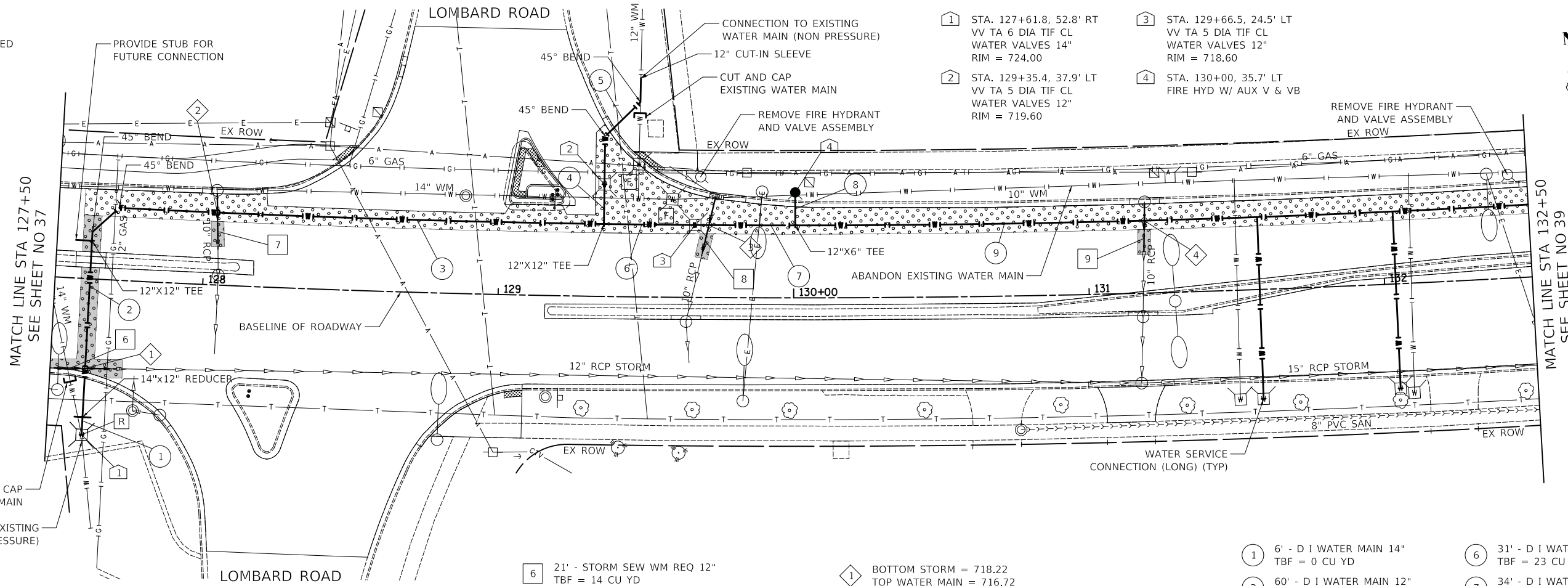
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	37
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

DATE	
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NO. OF WAY CHECKED	
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LEGEND

- [R] STRUCTURE TO BE REMOVED
- [F] STRUCTURE TO BE FILLED



NOTES:

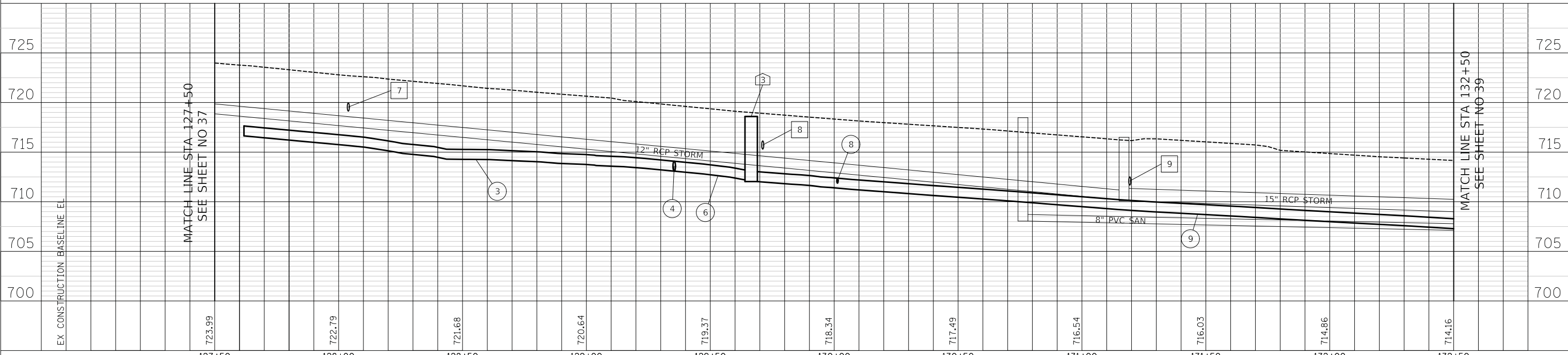
- HORIZONTAL DIRECTIONAL DRILLING SHALL BE APPLIED AT THE DIRECTION OF THE ENGINEER WHERE ANY OBSTRUCTION IS IN A CLOSE PROXIMITY TO THE WATER MAIN TRENCH TO AVOID DAMAGE.
- CONTRACTOR SHALL EMPLOY AUGURING, HYDRAULIC PUSHING OR OTHER INDUSTRY-RECOGNIZED TECHNIQUES TO PROVIDE SERVICE CONNECTION ACROSS ARMY TRAIL BLVD WITHOUT DAMAGING EXISTING PAYMENT OR UTILITIES. THIS WORK SHALL BE INCLUDED IN THE COST OF "WATER SERVICE CONNECTION".
- STORM SEWER REMOVED TO ACCOMMODATE THE CONSTRUCTION OF THE PROPOSED WATER MAIN SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR REMOVAL OF THE DIAMETER SPECIFIED, AND REPLACED WITH STORM SEWER OF WATER MAIN QUALITY.

- [6] 21' - STORM SEW WM REQ 12" TBF = 14 CU YD
- [7] 17' - STORM SEW WM REQ 10" TBF = 3 CU YD
- [8] 20' - STORM SEW WM REQ 10" TBF = 4 CU YD
- [9] 17' - STORM SEW WM REQ 10" TBF = 4 CU YD

- [1] BOTTOM STORM = 718.22 TOP WATER MAIN = 716.72
- [2] BOTTOM STORM = 719.13 TOP WATER MAIN = 716.66
- [3] BOTTOM STORM = 715.30 TOP WATER MAIN = 712.99
- [4] BOTTOM STORM = 711.70 TOP WATER MAIN = 710.14

- [1] 6' - D I WATER MAIN 14" TBF = 0 CU YD
- [2] 60' - D I WATER MAIN 12" TBF = 36 CU YD
- [3] 180' - D I WATER MAIN 12" TBF = 131 CU YD
- [4] 14' - D I WATER MAIN 12" TBF = 11 CU YD
- [5] 41' - D I WATER MAIN 12" TBF = 17 CU YD
- [6] 31' - D I WATER MAIN 12" TBF = 23 CU YD
- [7] 34' - D I WATER MAIN 12" TBF = 25 CU YD
- [8] 12' - D I WATER MAIN 6" TBF = 8 CU YD
- [9] 251' - D I WATER MAIN 12" TBF = 183 CU YD

ARMY TRAIL BLVD



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DATE - 12/07/2017	REVISED -

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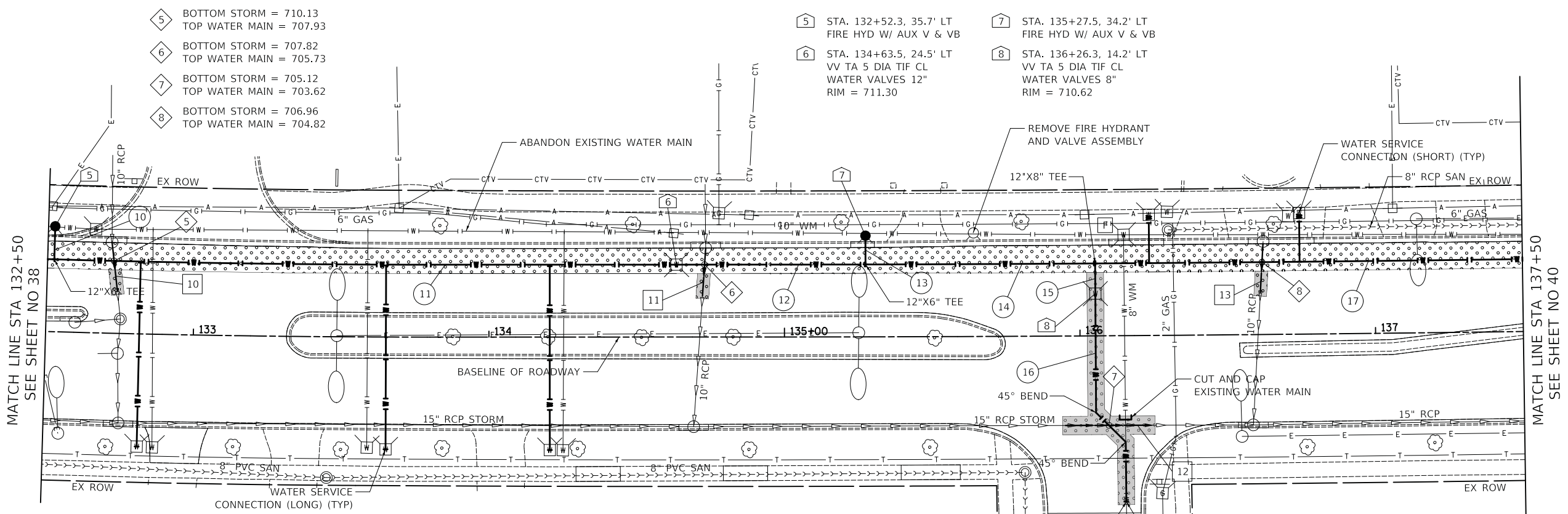
WATER MAIN PLAN AND PROFILE

SHEET NO. 1 OF 11 SHEETS STA. 127+50 TO STA. 132+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	38
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
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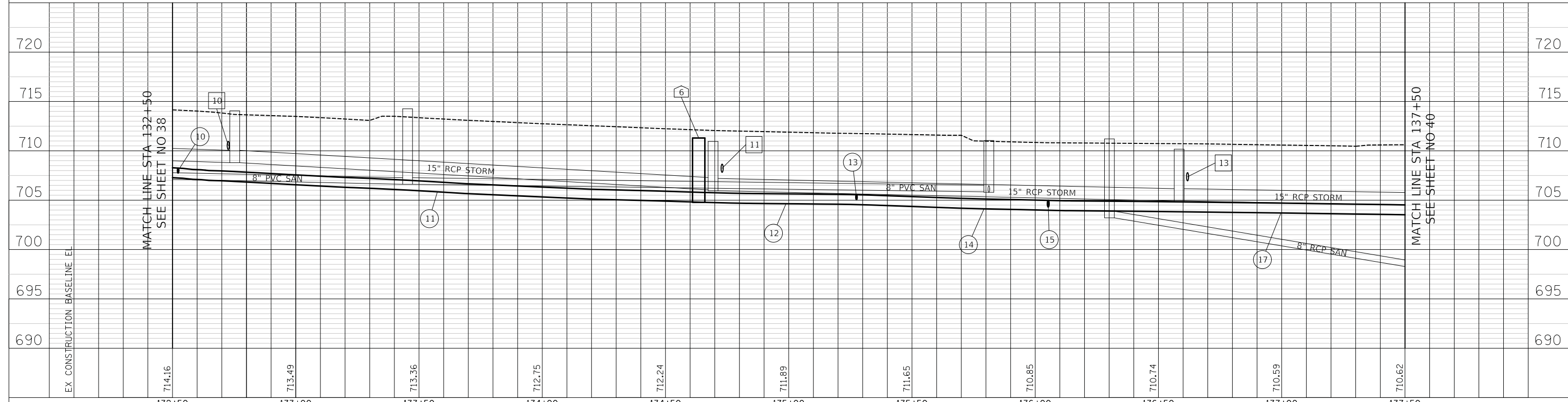
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NO. OF WAY CHECKED		
	STRUCTURE NOTATIONS CHKD		



- 5 BOTTOM STORM = 710.13
TOP WATER MAIN = 707.93
- 6 BOTTOM STORM = 707.82
TOP WATER MAIN = 705.73
- 7 BOTTOM STORM = 705.12
TOP WATER MAIN = 703.62
- 8 BOTTOM STORM = 706.96
TOP WATER MAIN = 704.82
- 10 12' - D I WATER MAIN 6"
TBF = 4 CU YD
- 11 211' - D I WATER MAIN 12"
TBF = 154 CU YD
- 12 64' - D I WATER MAIN 12"
TBF = 47 CU YD
- 13 10' - D I WATER MAIN 6"
TBF = 7 CU YD
- 14 78' - D I WATER MAIN 12"
TBF = 57 CU YD
- 15 11' - D I WATER MAIN 8"
TBF = 8 CU YD
- 16 75' - D I WATER MAIN 8"
TBF = 49 CU YD
- 17 241' - D I WATER MAIN 12"
TBF = 176 CU YD

- 10 15' - STORM SEW WM REQ 10"
TBF = 3 CU YD
- 11 15' - STORM SEW WM REQ 10"
TBF = 3 CU YD
- 12 30' - STORM SEW WM REQ 15"
TBF = 9 CU YD
- 13 17' - STORM SEW WM REQ 10"
TBF = 3 CU YD

- 5 STA. 132+52.3, 35.7' LT
FIRE HYD W/ AUX V & VB
- 6 STA. 134+63.5, 24.5' LT
VV TA 5 DIA TIF CL
WATER VALVES 12"
RIM = 711.30
- 7 STA. 135+27.5, 34.2' LT
FIRE HYD W/ AUX V & VB
- 8 STA. 136+26.3, 14.2' LT
VV TA 5 DIA TIF CL
WATER VALVES 8"
RIM = 710.62



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DATE - 12/07/2017	REVISED -

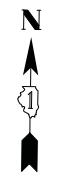
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WATER MAIN PLAN AND PROFILE

SHEET NO. 2 OF 11 SHEETS STA. 132+50 TO STA. 137+50

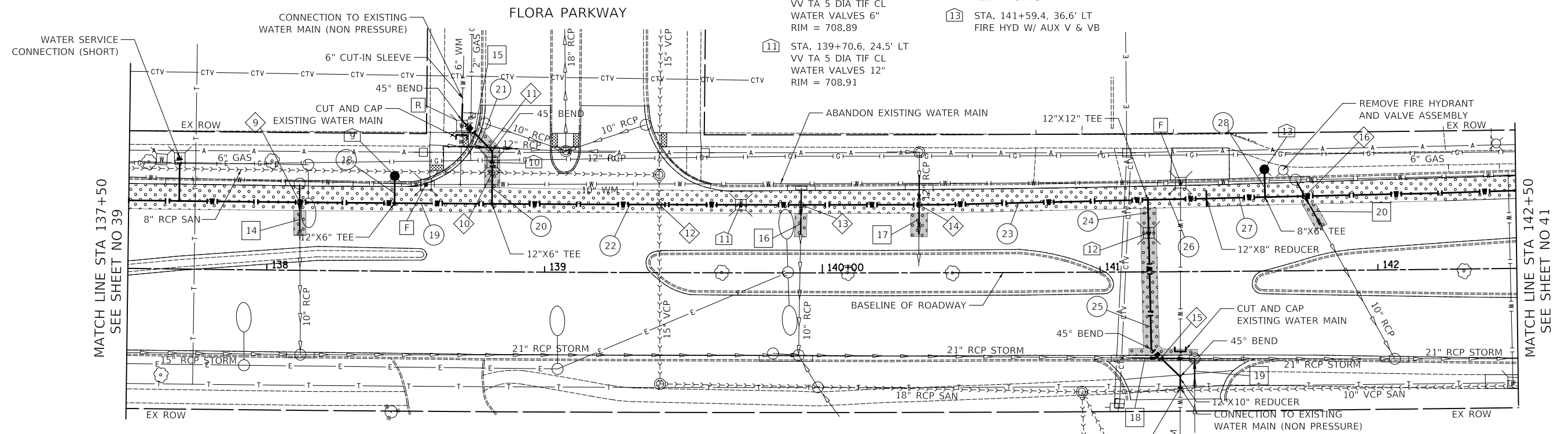
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	39
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



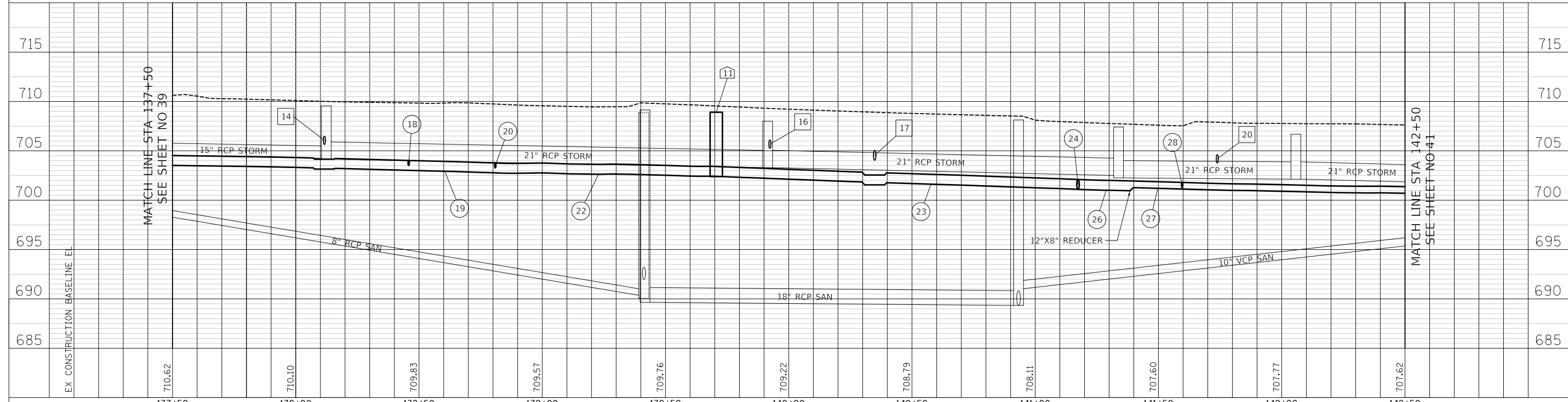
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	PLOTTED	
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	NO. OF WAY CHECKED	
	ADD. FILE NAME	
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PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. OF WAY CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

- 9 STA. 138+45.8, 34.3' LT
FIRE HYD W/ AUX V & VB
- 10 STA. 138+80.9, 39.4' LT
VV TA 5 DIA TIF CL
WATER VALVES 6"
RIM = 708.89
- 11 STA. 139+70.6, 24.5' LT
VV TA 5 DIA TIF CL
WATER VALVES 12"
RIM = 708.91
- 12 STA. 141+17.6, 14.0' LT
VV TA 5 DIA TIF CL
WATER VALVES 12"
RIM = 707.73
- 13 STA. 141+59.4, 36.6' LT
FIRE HYD W/ AUX V & VB



- | | | | | | |
|--|---|---|---|--|--|
| 9 BOTTOM STORM = 705.65
TOP WATER MAIN = 704.15 | 13 BOTTOM STORM = 705.26
TOP WATER MAIN = 703.20 | 18 10' - D I WATER MAIN 6"
TBF = 7 CU YD | 22 90' - D I WATER MAIN 12"
TBF = 66 CU YD | 14 17' - STORM SEW WM REQ 10"
TBF = 4 CU YD | 18 21' - STORM SEW WM REQ 21"
TBF = 7 CU YD |
| 10 BOTTOM WATER MAIN = 703.03
TOP SANITARY = 701.17 | 14 BOTTOM STORM = 704.05
TOP WATER MAIN = 702.55 | 19 35' - D I WATER MAIN 12"
TBF = 26 CU YD | 23 147' - D I WATER MAIN 12"
TBF = 108 CU YD | 15 21' - STORM SEW WM REQ 12"
TBF = 4 CU YD | 19 9' - STORM SEW WM REQ 12"
TBF = 3 CU YD |
| 11 BOTTOM STORM = 705.48
TOP WATER MAIN = 703.24 | 15 BOTTOM STORM = 702.57
TOP WATER MAIN = 701.07 | 20 15' - D I WATER MAIN 6"
TBF = 10 CU YD | 24 12' - D I WATER MAIN 12"
TBF = 9 CU YD | 16 16' - STORM SEW WM REQ 10"
TBF = 4 CU YD | 20 18' - STORM SEW WM REQ 10"
TBF = 4 CU YD |
| 12 BOTTOM WATER MAIN = 702.59
TOP SANITARY = 691.96 | 16 BOTTOM STORM = 703.77
TOP WATER MAIN = 701.69 | 21 26' - D I WATER MAIN 6"
TBF = 10 CU YD | 25 61' - D I WATER MAIN 12"
TBF = 45 CU YD | 17 21' - STORM SEW WM REQ 12"
TBF = 7 CU YD | |



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DATE - 12/07/2017	REVISED -

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WATER MAIN PLAN AND PROFILE

SHEET NO. 3 OF 11 SHEETS STA. 137+50 TO STA. 142+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	40
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

17 BOTTOM STORM = 702.82
TOP WATER MAIN = 700.83

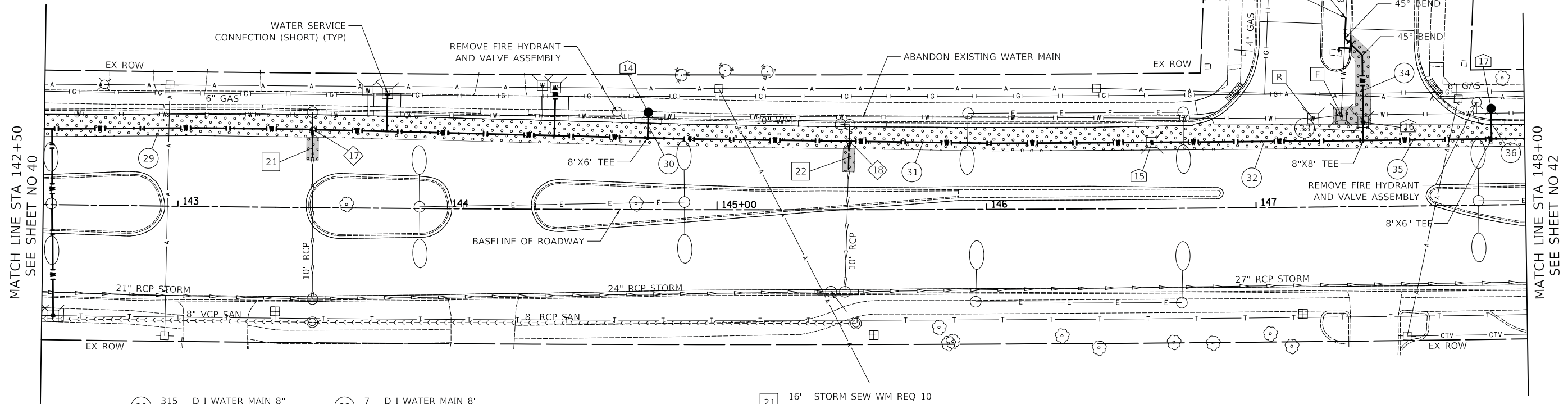
18 BOTTOM STORM = 701.90
TOP WATER MAIN = 699.88

14 STA. 144+74.4, 36.1' LT
FIRE HYD W/ AUX V & VB

15 STA. 146+61.5, 24.5' LT
VV TA 5 DIA TIF CL
WATER VALVES 8"
RIM = 705.75

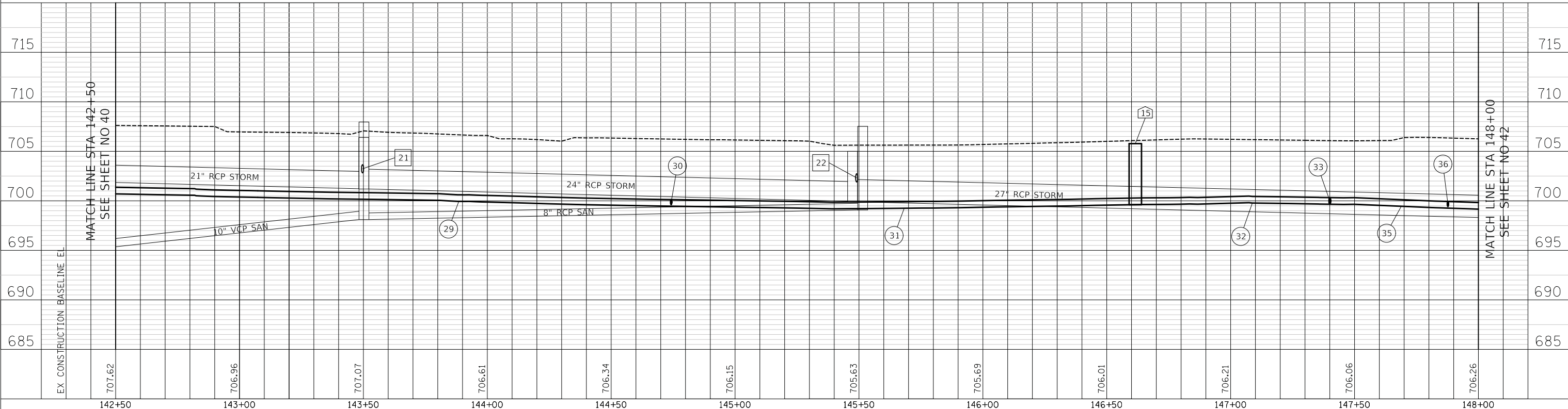
16 STA. 147+40.0, 31.3' LT
VV TA 5 DIA TIF CL
WATER VALVES 8"
RIM = 705.75

17 STA. 147+87.7, 35.8' LT
FIRE HYD W/ AUX V & VB



- | | | |
|--|--|--|
| 29 315' - D I WATER MAIN 8"
TBF = 205 CU YD | 33 7' - D I WATER MAIN 8"
TBF = 5 CU YD | 21 16' - STORM SEW WM REQ 10"
TBF = 3 CU YD |
| 30 10' - D I WATER MAIN 6"
TBF = 7 CU YD | 34 42' - D I WATER MAIN 8"
TBF = 23 CU YD | 22 16' - STORM SEW WM REQ 10"
TBF = 4 CU YD |
| 31 187' - D I WATER MAIN 8"
TBF = 122 CU YD | 35 48' - D I WATER MAIN 8"
TBF = 32 CU YD | |
| 32 79' - D I WATER MAIN 8"
TBF = 52 CU YD | 36 12' - D I WATER MAIN 6"
TBF = 8 CU YD | |

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WATER MAIN PLAN AND PROFILE

SHEET NO. 4 OF 11 SHEETS STA. 142+50 TO STA. 148+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	41
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

- 19 BOTTOM STORM = 701.28
TOP WATER MAIN = 698.94
- 20 BOTTOM STORM = 696.56
TOP WATER MAIN = 695.06
- 21 BOTTOM STORM = 698.61
TOP WATER MAIN = 697.11

9 STA. 151+42.2, 3.4' RT
CB TA 4 DIA T23F&G
RIM = 703.63
INV = 698.33 (EX 10" N)
INV = 698.28 (EX 10" S)

18 STA. 150+48.0, 14.7' LT
VV TA 5 DIA TIF CL
WATER VALVES 8"
RIM = 703.68

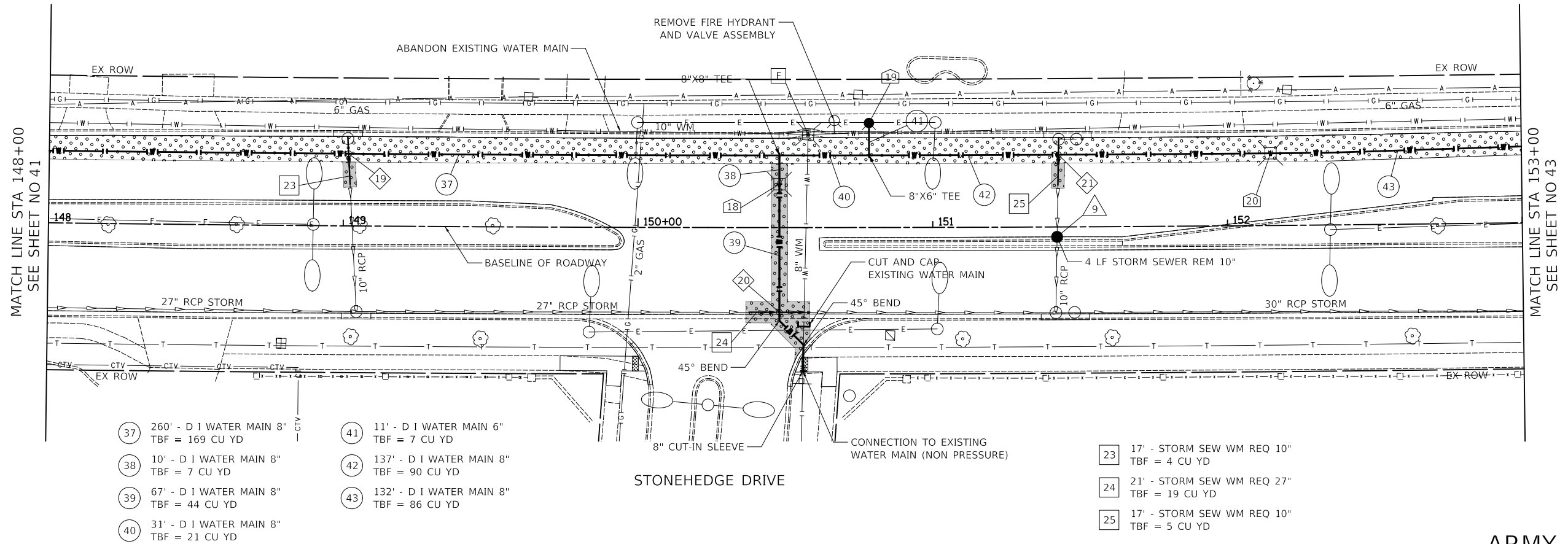
19 STA. 150+78.4, 35.5' LT
FIRE HYD W/ AUX V & VB

20 STA. 152+14.8, 24.5' LT
VV TA 5 DIA TIF CL
WATER VALVES 8"
RIM = 703.00



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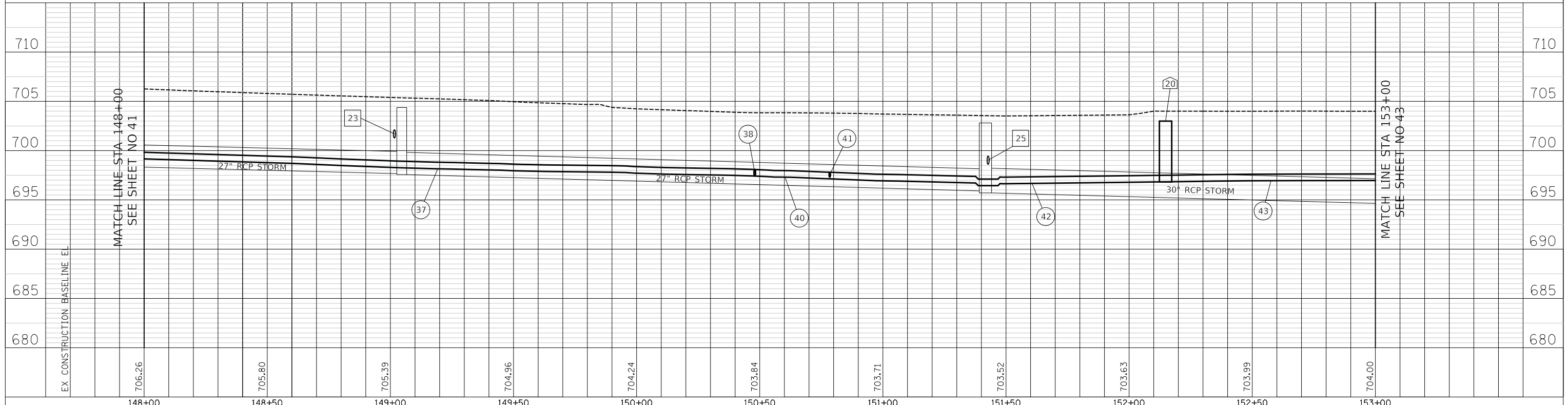
PROFILE	SURVEYED	DATE
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	NO. OF WAY CHECKED	
	STRUCTURE NOTATIONS CHKD	



- 37 260' - D I WATER MAIN 8" TBF = 169 CU YD
- 38 10' - D I WATER MAIN 8" TBF = 7 CU YD
- 39 67' - D I WATER MAIN 8" TBF = 44 CU YD
- 40 31' - D I WATER MAIN 8" TBF = 21 CU YD
- 41 11' - D I WATER MAIN 6" TBF = 7 CU YD
- 42 137' - D I WATER MAIN 8" TBF = 90 CU YD
- 43 132' - D I WATER MAIN 8" TBF = 86 CU YD

- 23 17' - STORM SEW WM REQ 10" TBF = 4 CU YD
- 24 21' - STORM SEW WM REQ 27" TBF = 19 CU YD
- 25 17' - STORM SEW WM REQ 10" TBF = 5 CU YD

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WATER MAIN PLAN AND PROFILE

SHEET NO. 5 OF 11 SHEETS STA. 148+00 TO STA. 153+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	42
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

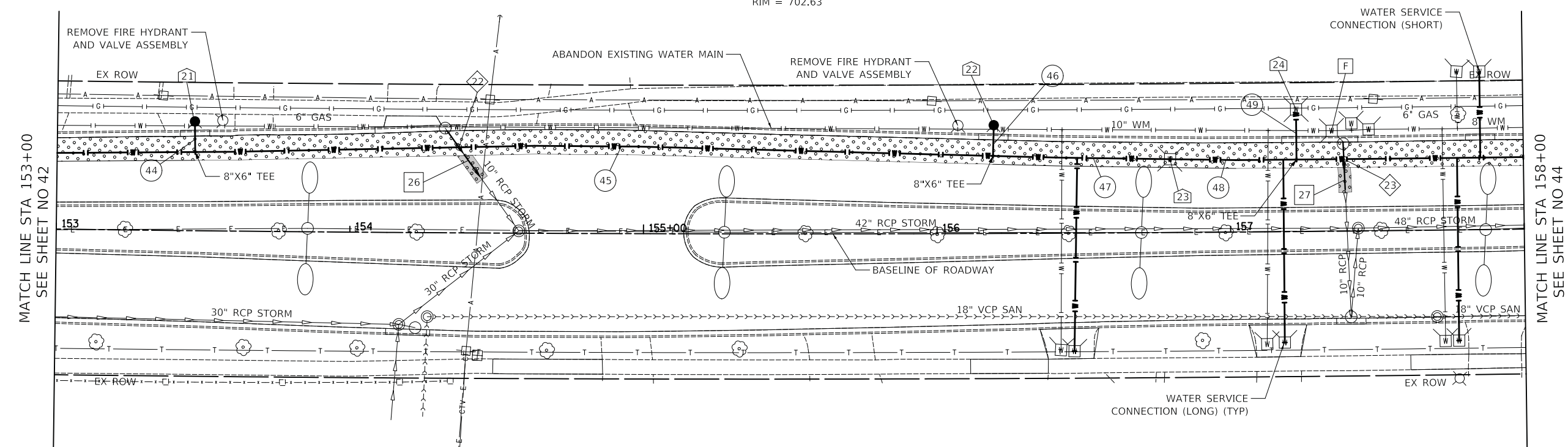
PLAN	SURVEYED	DATE
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	STRUCTURE	
	NOTATION	
	CHKD	

PROFILE	SURVEYED	DATE
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	CHECKED	
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	NO.	
	STRUCTURE	
	NOTATION	
	CHKD	

- 22 BOTTOM STORM = 699.28
TOP WATER MAIN = 697.13
- 23 BOTTOM STORM = 699.07
TOP WATER MAIN = 696.92

- 21 STA. 153+46.9, 37.2' LT
FIRE HYD W/ AUX V & VB
- 22 STA. 156+19.4, 36.8' LT
FIRE HYD W/ AUX V & VB
- 23 STA. 156+79.5, 25.0' LT
VV TA 5 DIA TIF CL
WATER VALVES 8"
RIM = 702.63

- 24 STA. 157+22.6, 41.6' LT
VV TA 5 DIA TIF CL
WATER VALVES 6"
RIM = 703.05

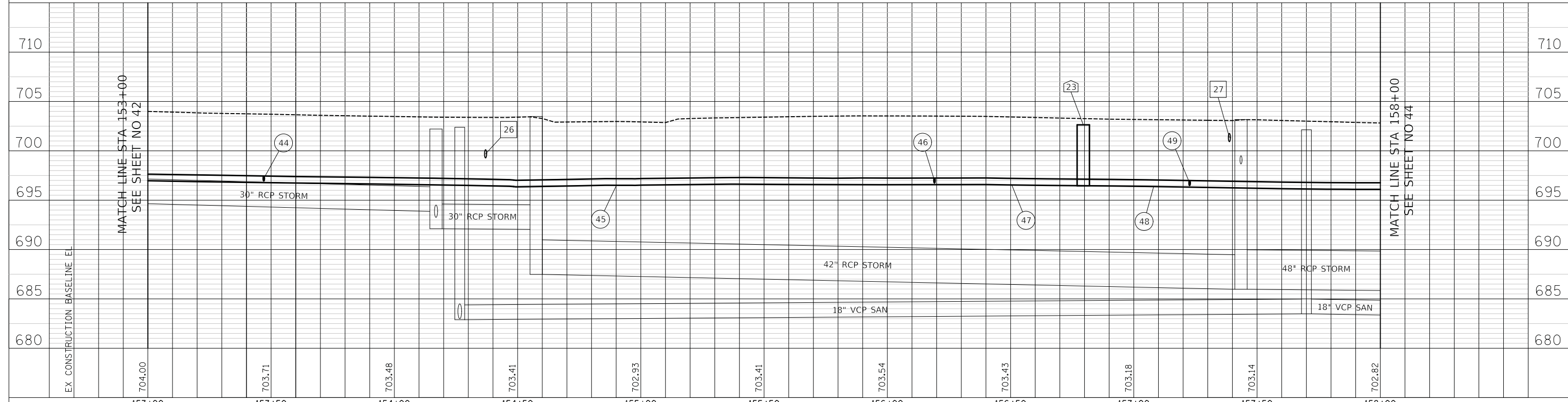


- 44 11' - D I WATER MAIN 6"
TBF = 7 CU YD
- 45 272' - D I WATER MAIN 8"
TBF = 177 CU YD
- 46 11' - D I WATER MAIN 6"
TBF = 7 CU YD

- 47 61' - D I WATER MAIN 8"
TBF = 40 CU YD
- 48 43' - D I WATER MAIN 8"
TBF = 28 CU YD
- 49 17' - D I WATER MAIN 6"
TBF = 7 CU YD

- 26 20' - STORM SEW WM REQ 10"
TBF = 24 CU YD
- 27 16' - STORM SEW WM REQ 10"
TBF = 4 CU YD

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WATER MAIN PLAN AND PROFILE

SHEET NO. 6 OF 11 SHEETS STA. 153+00 TO STA. 158+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	43
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

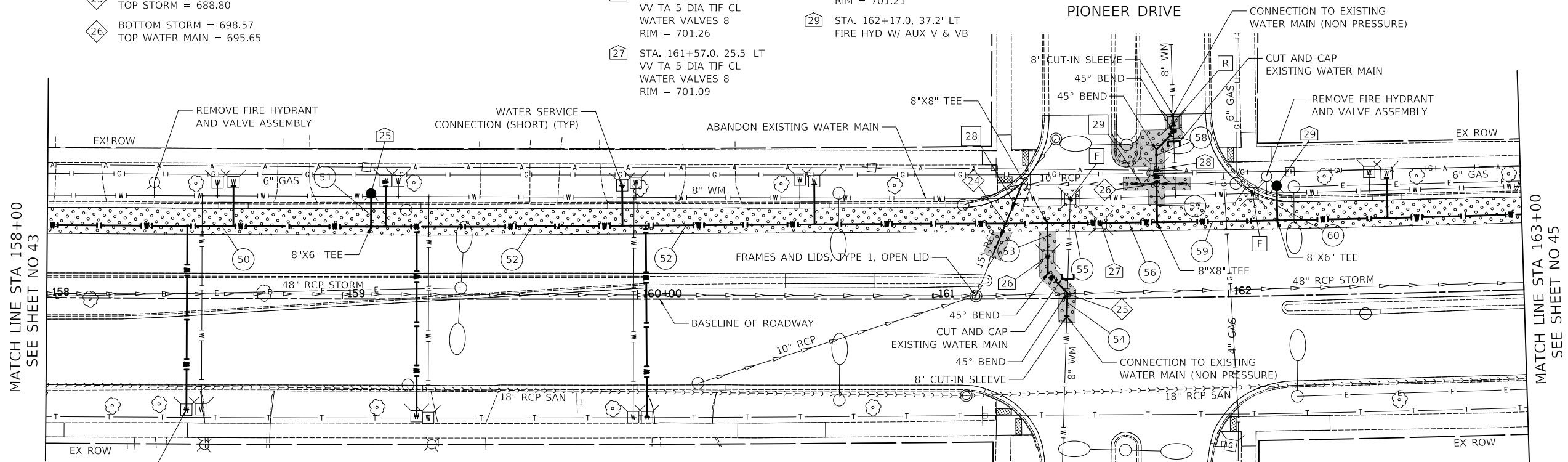
- 24 BOTTOM STORM = 697.17
TOP WATER MAIN = 695.67
- 25 BOTTOM WATER MAIN = 695.09
TOP STORM = 688.80
- 26 BOTTOM STORM = 698.57
TOP WATER MAIN = 695.65

- 25 STA. 159+09.7, 35.7' LT
FIRE HYD W/ AUX V & VB
- 26 STA. 161+38.9, 14.3' LT
VV TA 5 DIA TIF CL
WATER VALVES 8"
RIM = 701.26
- 27 STA. 161+57.0, 25.5' LT
VV TA 5 DIA TIF CL
WATER VALVES 8"
RIM = 701.09

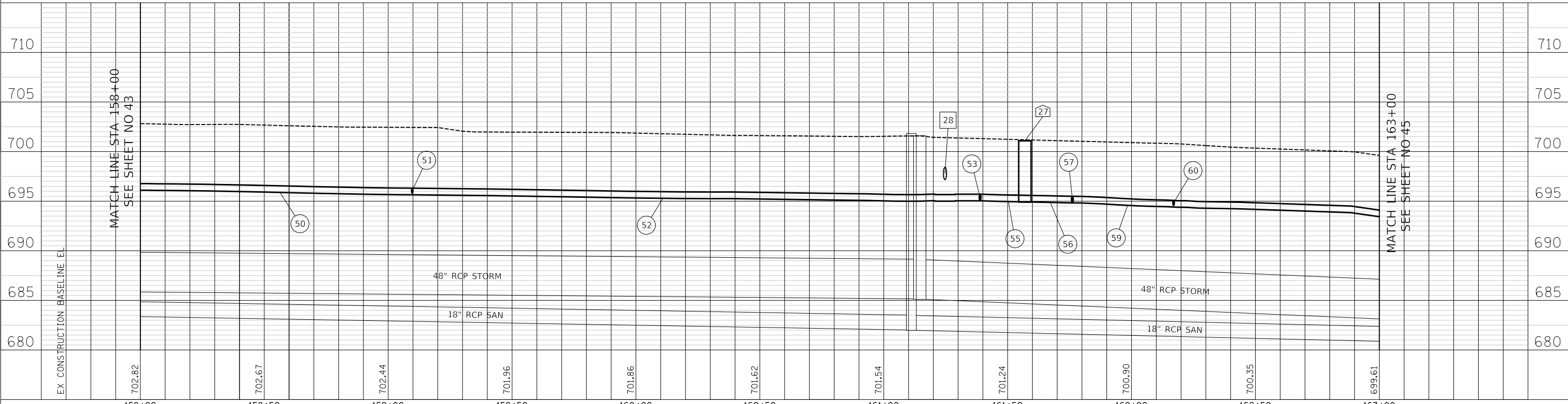
- 28 STA. 161+76.1, 43.3' LT
VV TA 5 DIA TIF CL
WATER VALVES 8"
RIM = 701.21
- 29 STA. 162+17.0, 37.2' LT
FIRE HYD W/ AUX V & VB

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- 50 187' - D I WATER MAIN 8" TBF = 122 CU YD
- 51 12' - D I WATER MAIN 6" TBF = 8 CU YD
- 52 229' - D I WATER MAIN 8" TBF = 149 CU YD
- 53 12' - D I WATER MAIN 8" TBF = 8 CU YD
- 54 23' - D I WATER MAIN 8" TBF = 15 CU YD
- 55 18' - D I WATER MAIN 8" TBF = 12 CU YD
- 56 19' - D I WATER MAIN 8" TBF = 13 CU YD
- 57 18' - D I WATER MAIN 8" TBF = 12 CU YD
- 58 21' - D I WATER MAIN 8" TBF = 14 CU YD
- 59 41' - D I WATER MAIN 8" TBF = 27 CU YD
- 60 12' - D I WATER MAIN 6" TBF = 8 CU YD
- 28 24' - STORM SEW WM REQ 15" TBF = 7 CU YD
- 29 21' - STORM SEW WM REQ 10" TBF = 2 CU YD



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WATER MAIN PLAN AND PROFILE
SHEET NO. 7 OF 11 SHEETS STA. 158+00 TO STA. 163+00

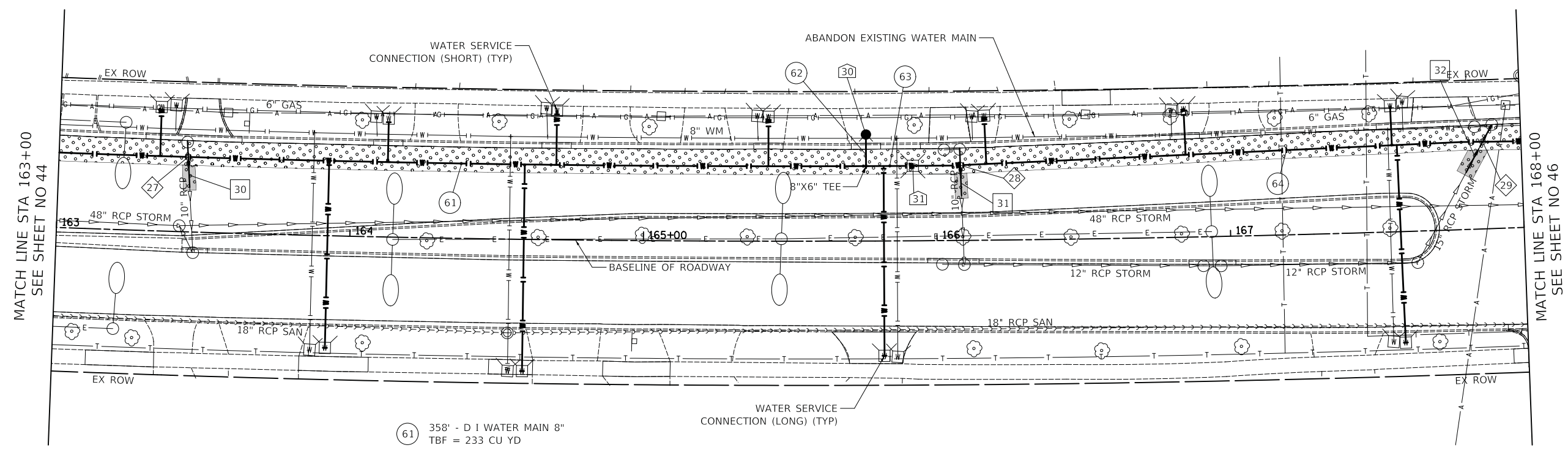
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3834	17-00104-00-RS	DUPAGE	84	44
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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PROFILE	SURVEYED	DATE
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	NO. OF WAY CHECKED	
	ADD. FILE NAME	
	NO.	

- 27 BOTTOM STORM = 694.61
TOP WATER MAIN = 692.40
- 28 BOTTOM STORM = 694.92
TOP WATER MAIN = 692.80
- 29 BOTTOM STORM = 690.44
TOP WATER MAIN = 688.94

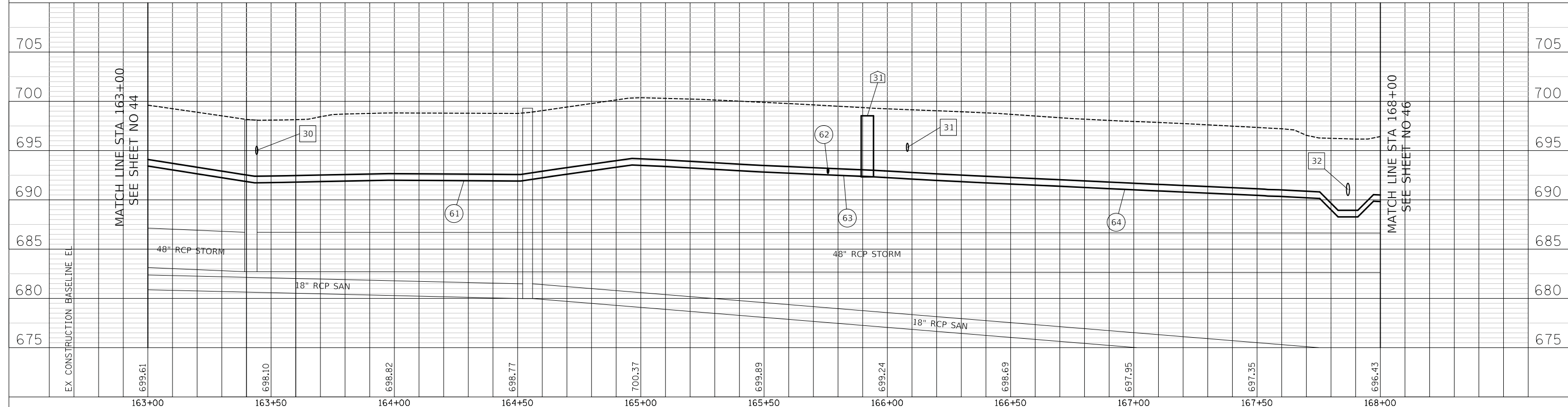
- 30 STA. 165+75.9, 36.3' LT
FIRE HYD W/ AUX V & VB
- 31 STA. 165+91.9, 25.5' LT
VV TA 5 DIA TIF CL
WATER VALVES 8"
RIM = 698.53



- 61 358' - D I WATER MAIN 8"
TBF = 233 CU YD
- 62 11' - D I WATER MAIN 6"
TBF = 7 CU YD
- 63 16' - D I WATER MAIN 8"
TBF = 11 CU YD
- 64 222' - D I WATER MAIN 8"
TBF = 150 CU YD

- 30 16' - STORM SEW WM REQ 10"
TBF = 4 CU YD
- 31 16' - STORM SEW WM REQ 10"
TBF = 4 CU YD
- 32 18' - STORM SEW WM REQ 15"
TBF = 5 CU YD

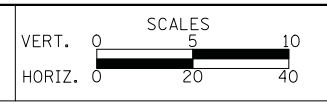
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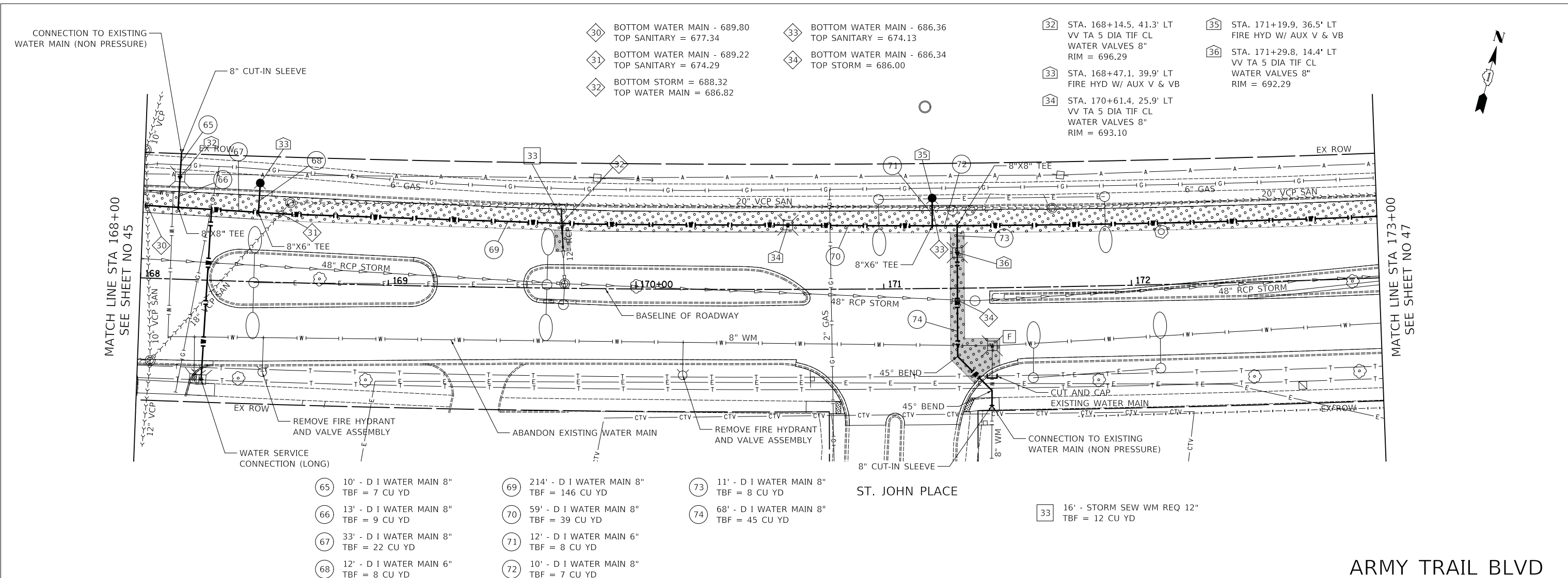


WATER MAIN PLAN AND PROFILE
SHEET NO. 8 OF 11 SHEETS STA. 163+00 TO STA. 168+00

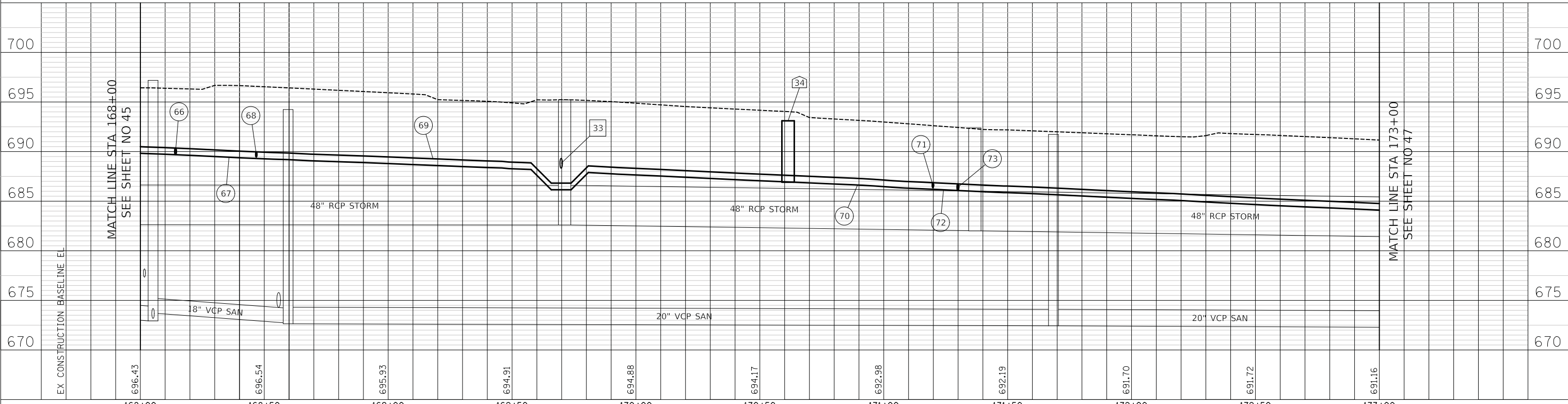
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	45
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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	ADD. FILE NAME		

PROFILE	SURVEYED	BY	DATE
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	STRUCTURE NOTATIONS CHKD		



- 30 BOTTOM WATER MAIN - 689.80
TOP SANITARY = 677.34
- 31 BOTTOM WATER MAIN - 689.22
TOP SANITARY = 674.29
- 32 BOTTOM STORM = 688.32
TOP WATER MAIN = 686.82
- 33 BOTTOM WATER MAIN - 686.36
TOP SANITARY = 674.13
- 34 BOTTOM WATER MAIN - 686.34
TOP STORM = 686.00
- 35 STA. 168+14.5, 41.3' LT
VV TA 5 DIA TIF CL
WATER VALVES 8"
RIM = 696.29
- 36 STA. 171+19.9, 36.5' LT
FIRE HYD W/ AUX V & VB
- 37 STA. 171+29.8, 14.4' LT
VV TA 5 DIA TIF CL
WATER VALVES 8"
RIM = 692.29
- 38 STA. 168+47.1, 39.9' LT
FIRE HYD W/ AUX V & VB
- 39 STA. 170+61.4, 25.9' LT
VV TA 5 DIA TIF CL
WATER VALVES 8"
RIM = 693.10
- 65 10' - D I WATER MAIN 8"
TBF = 7 CU YD
- 66 13' - D I WATER MAIN 8"
TBF = 9 CU YD
- 67 33' - D I WATER MAIN 8"
TBF = 22 CU YD
- 68 12' - D I WATER MAIN 6"
TBF = 8 CU YD
- 69 214' - D I WATER MAIN 8"
TBF = 146 CU YD
- 70 59' - D I WATER MAIN 8"
TBF = 39 CU YD
- 71 12' - D I WATER MAIN 6"
TBF = 8 CU YD
- 72 10' - D I WATER MAIN 8"
TBF = 7 CU YD
- 73 11' - D I WATER MAIN 8"
TBF = 8 CU YD
- 74 68' - D I WATER MAIN 8"
TBF = 45 CU YD
- 33 16' - STORM SEW WM REQ 12"
TBF = 12 CU YD



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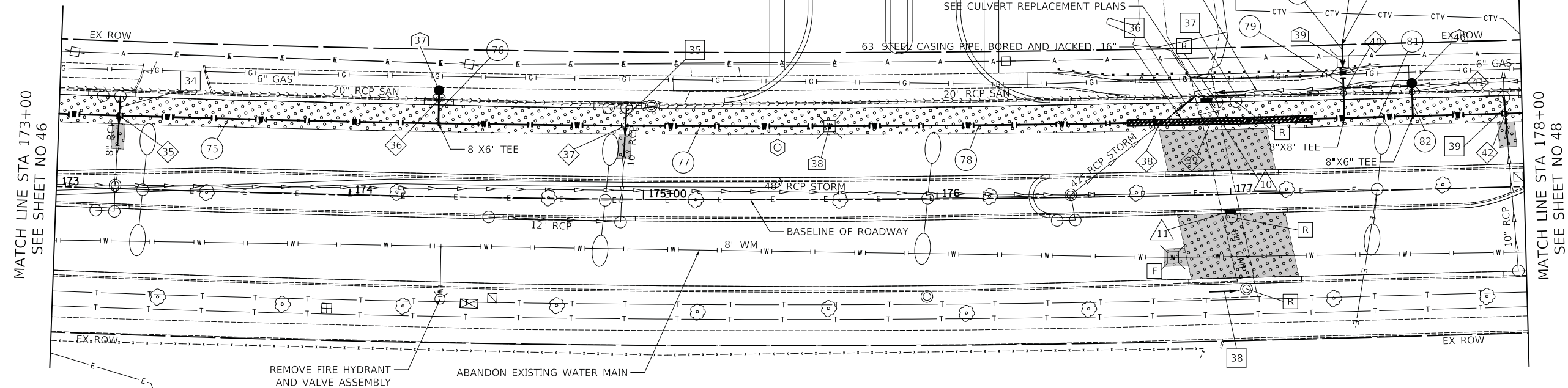


WATER MAIN PLAN AND PROFILE

SHEET NO. 9 OF 11 SHEETS STA. 168+00 TO STA. 173+00

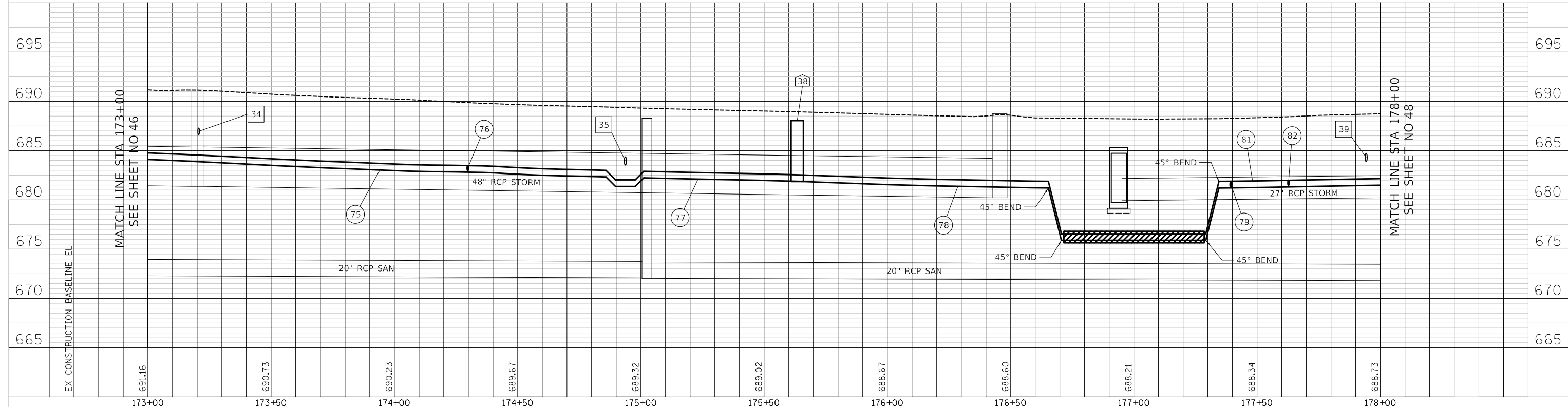
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	46
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

- 35 BOTTOM STORM = 686.62
TOP WATER MAIN = 684.55
- 36 BOTTOM WATER MAIN - 682.98
TOP SANITARY = 673.82
- 37 BOTTOM STORM = 683.53
TOP WATER MAIN = 682.03
- 38 BOTTOM STORM = 679.15
TOP WATER MAIN = 677.65
- 39 BOTTOM CULVERT = 679.15
TOP WATER MAIN = 677.65
- 40 BOTTOM WATER MAIN - 681.21
TOP SANITARY = 673.50
- 41 BOTTOM WATER MAIN - 681.46
TOP SANITARY = 673.48
- 42 BOTTOM STORM = 683.89
TOP WATER MAIN = 682.13
- 37 STA. 174+29.8, 36.3' LT
FIRE HYD W/ AUX V & VB
- 38 STA. 175+63.4, 25.0' LT
VV TA 5 DIA TIF CL
WATER VALVES 8"
- 39 STA. 177+39.4, 44.2' LT
VV TA 5 DIA TIF CL
WATER VALVES 8"
- 40 STA. 177+62.7, 36.2' LT
FIRE HYD W/ AUX V & VB



- 75 299' - D I WATER MAIN 8"
TBF = 195 CU YD
- 76 12' - D I WATER MAIN 6"
TBF = 8 CU YD
- 77 134' - D I WATER MAIN 8"
TBF = 89 CU YD
- 78 176' - D I WATER MAIN 8"
TBF = 143 CU YD
- 79 20' - D I WATER MAIN 8"
TBF = 13 CU YD
- 80 6' - D I WATER MAIN 8"
TBF = 0 CU YD
- 81 24' - D I WATER MAIN 8"
TBF = 16 CU YD
- 82 12' - D I WATER MAIN 6"
TBF = 8 CU YD
- 34 17' - STORM SEW WM REQ 8"
TBF = 4 CU YD
- 35 17' - STORM SEW WM REQ 10"
TBF = 4 CU YD
- 36 10' - STORM SEW CL A 2, 42"
TBF = 11 CU YD
- 37 10' - STORM SEW CL A 2, 27"
TBF = 11 CU YD
- 38 10' - STORM SEW CL A 2, 66"
TBF = 10 CU YD
- 39 15' - STORM SEW WM REQ 10"
TBF = 3 CU YD
- 10 STA. 176+92.8, 32.3' LT
CB TC T23F&G
RIM = 687.16
OVER PROPOSED CULVERT
- 11 STA. 176+99.9, 5.8' RT
CB TC T23F&G
RIM = 687.74
OVER PROPOSED CULVERT

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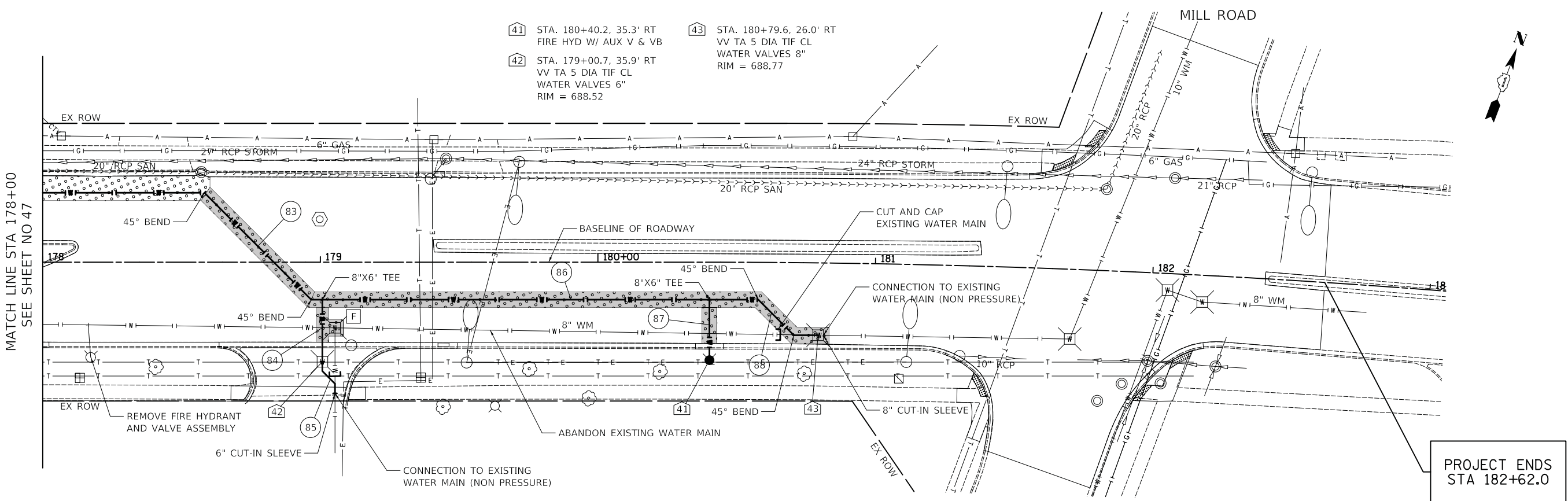
WATER MAIN PLAN AND PROFILE

SHEET NO. 10 OF 11 SHEETS STA. 173+00 TO STA. 178+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	47
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

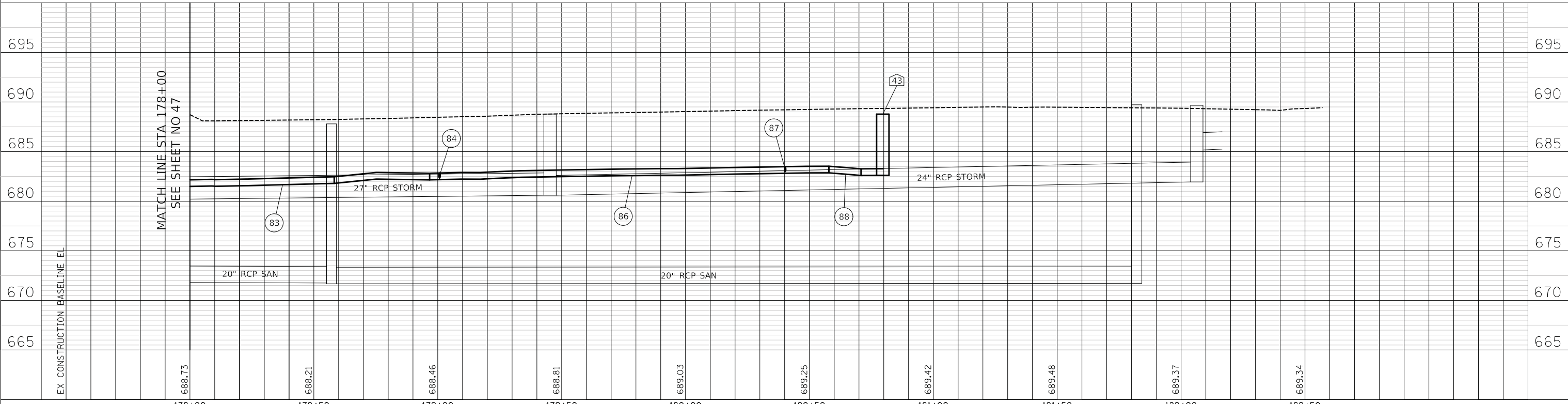
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- 41 STA. 180+40.2, 35.3' RT
FIRE HYD W/ AUX V & VB
- 42 STA. 179+00.7, 35.9' RT
VV TA 5 DIA TIF CL
WATER VALVES 6"
RIM = 688.52
- 43 STA. 180+79.6, 26.0' RT
VV TA 5 DIA TIF CL
WATER VALVES 8"
RIM = 688.77

- 83 154' - D I WATER MAIN 8"
TBF = 101 CU YD
- 84 23' - D I WATER MAIN 6"
TBF = 15 CU YD
- 85 14' - D I WATER MAIN 6"
TBF = 9 CU YD
- 86 140' - D I WATER MAIN 8"
TBF = 91 CU YD
- 87 22' - D I WATER MAIN 6"
TBF = 14 CU YD
- 88 45' - D I WATER MAIN 8"
TBF = 30 CU YD



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WATER MAIN PLAN AND PROFILE

SHEET NO. 11 OF 11 SHEETS STA. 178+00 TO STA. 182+62

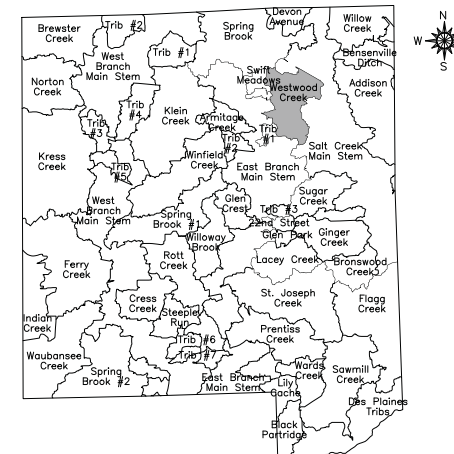
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	48
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

EROSION CONTROL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ARTICLE VII OF THE DuPAGE COUNTY COUNTYWIDE STORMWATER AND FLOOD PLAIN ORDINANCE, EFFECTIVE APRIL 2013 AND ALL SUBSEQUENT REVISIONS. ALL SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSTALLED PER IDOT STANDARD 280001 OR AS SPECIFIED HEREIN AND PAID FOR IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS. ALL CONSTRUCTION ACTIVITIES WILL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMITS ILR10 AND ILR40.
2. EROSION CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE SEQUENCE OF STAGE CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A DETAILED SCHEDULE FOR APPROVAL.
3. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE THE PROJECT SITE IS OTHERWISE DISTURBED.
4. ALL DISTURBED AREAS SHALL BE SEEDED OR SODDED AS SOON AS PRACTICAL AFTER CONSTRUCTION ACTIVITIES IN THAT AREA HAVE CONCLUDED. ALL ERODIBLE/BARE AREAS SHALL BE SEEDED EVERY 7 DAYS WITH TEMPORARY EROSION CONTROL SEEDING. IF A TOPSOIL STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, EROSION CONTROL MEASURES WILL BE PROVIDED.
5. WHERE WETLANDS ARE TO REMAIN, THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PROTECT WETLANDS FROM DAMAGE BY SEDIMENT, CONSTRUCTION EQUIPMENT OR BY HIS/HER WORK CREWS. THE CONTRACTOR SHALL ASSURE THAT DEBRIS OR ANY CONSTRUCTION MATERIAL IS NOT DISPOSED OF OR STOCKPILED IN WETLANDS.
6. STOCKPILES AND MATERIAL STORAGE ARE PROHIBITED IN SPECIAL MANAGEMENT AREAS INCLUDING WETLANDS, WETLAND BUFFERS, AND FLOOD PLAINS. LOCATIONS OF STOCKPILES MUST BE APPROVED BY THE ENGINEER AND HAVE PROPER EROSION CONTROL MEASURES.
7. RECEPTACLES FOR CONSTRUCTION DEBRIS, INCLUDING CONCRETE TRUCK WASHOUT WASTE, SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR. THESE WILL NOT BE ALLOWED IN SPECIAL MANAGEMENT AREAS. RECEPTACLES AND THEIR LOCATIONS MUST BE APPROVED BY THE ENGINEER AND HAVE PROPER EROSION CONTROL MEASURES. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE APPLICABLE ITEMS OF WORK.
8. HAY OR STRAW BALES WILL NOT BE ALLOWED AS PERIMETER EROSION BARRIER OR AS A DITCH CHECK.
9. WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.
10. WHEN TEMPORARY DRAINAGE IS ESTABLISHED, EROSION CONTROL MEASURES MAY BE REQUIRED BY THE ENGINEER.
11. GRAVEL ROADS, ACCESS DRIVES, PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH, AND VEHICLE WASH DOWN FACILITIES IF NECESSARY, SHALL BE PROVIDED TO PREVENT SOIL FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SOIL REACHING A PUBLIC OR PRIVATE ROADWAY SHALL BE REMOVED BEFORE THE END OF EACH WORKDAY AND AS NEEDED.
12. CLEANING OF VEHICLES AND EQUIPMENT, INCLUDING CONCRETE MIXERS, SHALL BE PERFORMED IN A MANNER TO REDUCE THE AMOUNT OF POLLUTANTS TRIBUTARY TO STORM SEWERS AND OPEN WATERS TO THE MAXIMUM EXTENT PRACTICAL.
13. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION RUNOFF. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
14. SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON A REGULAR BASIS. SEDIMENT SHALL BE REMOVED FROM EROSION CONTROL SYSTEMS WHEN THE HEIGHT OF THE SEDIMENT EXCEEDS ONE-HALF OF THE HEIGHT OF THE FILTER DEVICE.
15. ALL EROSION CONTROL MEASURES SHALL BE KEPT OPERATIONAL AND MAINTAINED CONTINUOUSLY THROUGHOUT THE PERIOD OF LAND DISTURBANCE UNTIL PERMANENT SEDIMENT AND EROSION CONTROL MEASURES ARE OPERATIONAL.
16. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED.
17. THE ENGINEER SHALL INSPECT EROSION CONTROL MEASURES PERIODICALLY AND WITHIN 24 HOURS OF ANY STORM EXCEEDING 1/2 INCH PRECIPITATION. DAMAGED AND INEFFECTIVE EROSION CONTROL MEASURES SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR WITHIN 24 HOURS. EROSION CONTROL SYSTEMS REPLACED DUE TO SEDIMENT LOADING WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE APPLICABLE EROSION CONTROL ITEM.
18. THE COST OF REMOVING SEDIMENT OR REPAIRING EROSION CONTROL SYSTEMS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE APPLICABLE EROSION CONTROL ITEM.

NPDES STATEMENT:

THIS PROJECT DISTURBS 11.68 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.



SALT CREEK RIVER BASIN WATERSHEDS

1. Bronswood Creek
2. Devon Avenue
3. Ginger Creek
4. Oakbrook Tributary
5. Salt Creek Mainstem
6. Spring Brook
7. Sugar Creek
8. Westwood Creek

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EROSION CONTROL NOTES

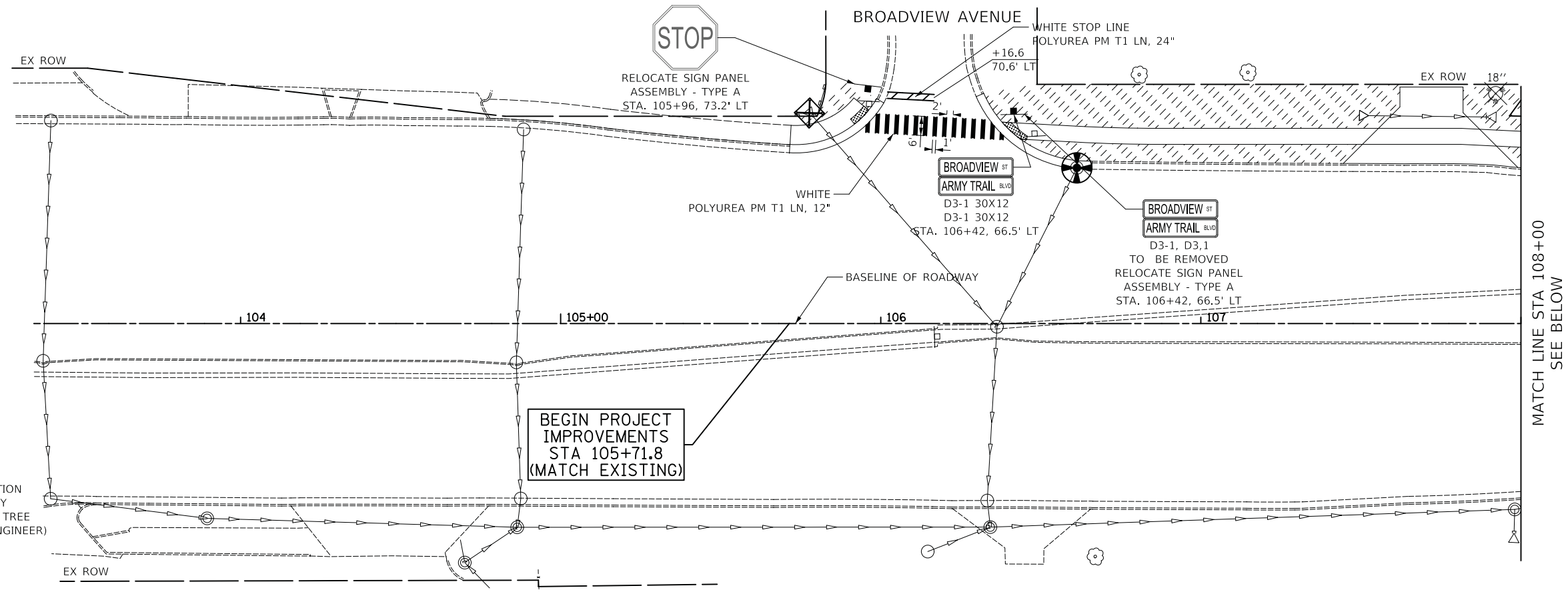
SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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				CONTRACT NO. 61E42
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

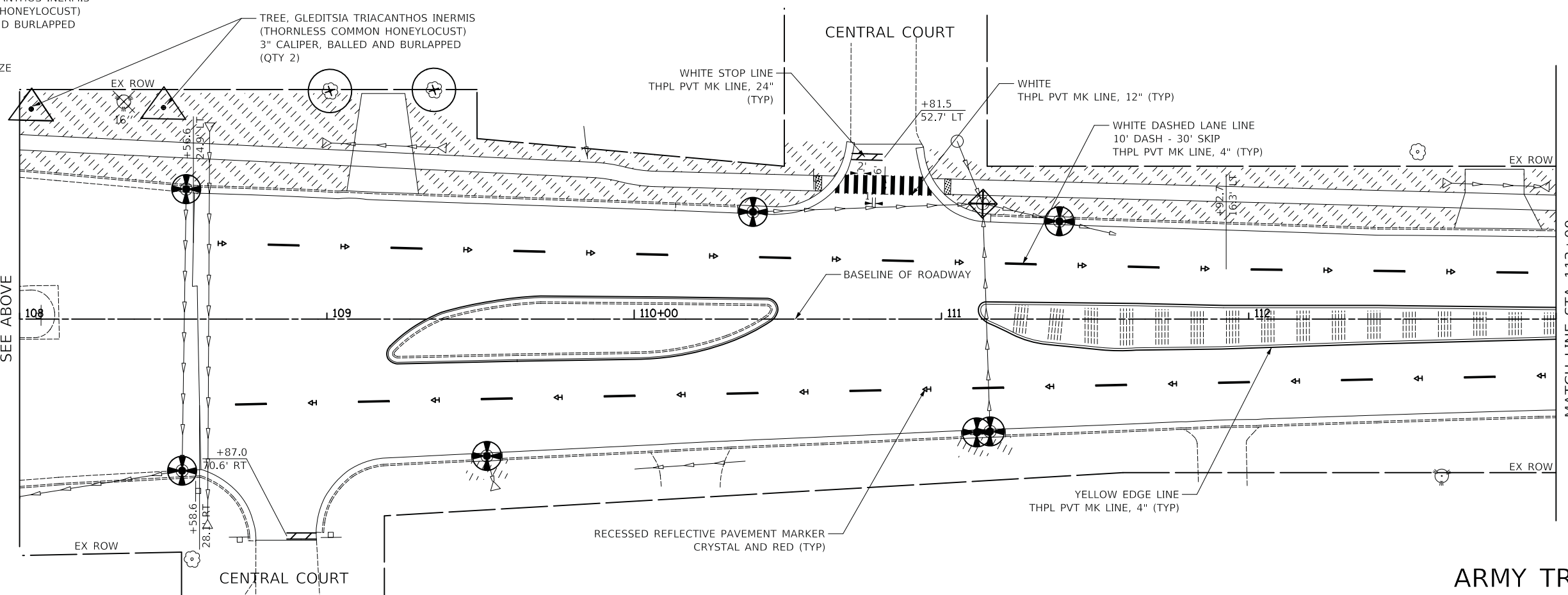
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- LEGEND**
- INLET FILTERS
 - INLET AND PIPE PROTECTION
 - TREE PROTECTION AND PRESERVATION (PAID FOR AS 10 LF OF TEMPORARY FENCE, TREE ROOT PRUNING, AND TREE PRUNING AT THE DIRECTION OF ENGINEER)
 - SODDING, SALT TOLERANT TOPSOIL FURNISH AND PLACE, 6"
 - PERIMETER EROSION BARRIER
 - TREE, GLEDITSIA TRIACANTHOS INERMIS (THORNLESS COMMON HONEYLOCUST) 3" CALIPER, BALLED AND BURLAPPED (QTY 3)
 - ~~XX~~ TREE REMOVAL AND SIZE



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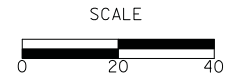


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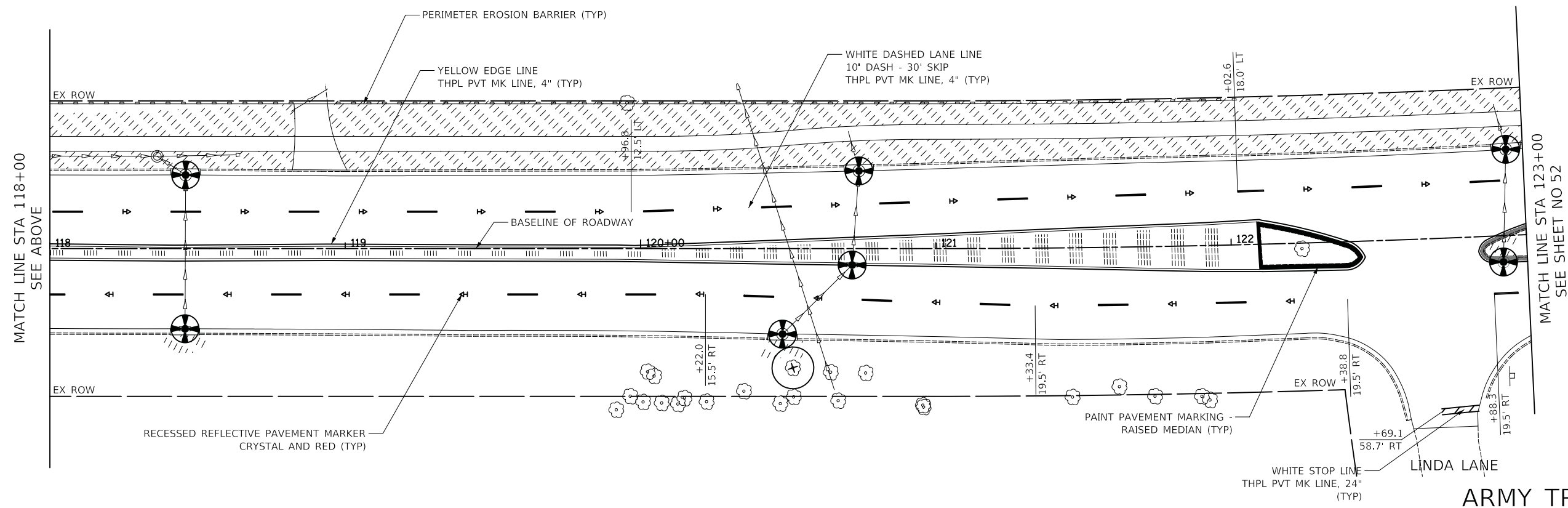
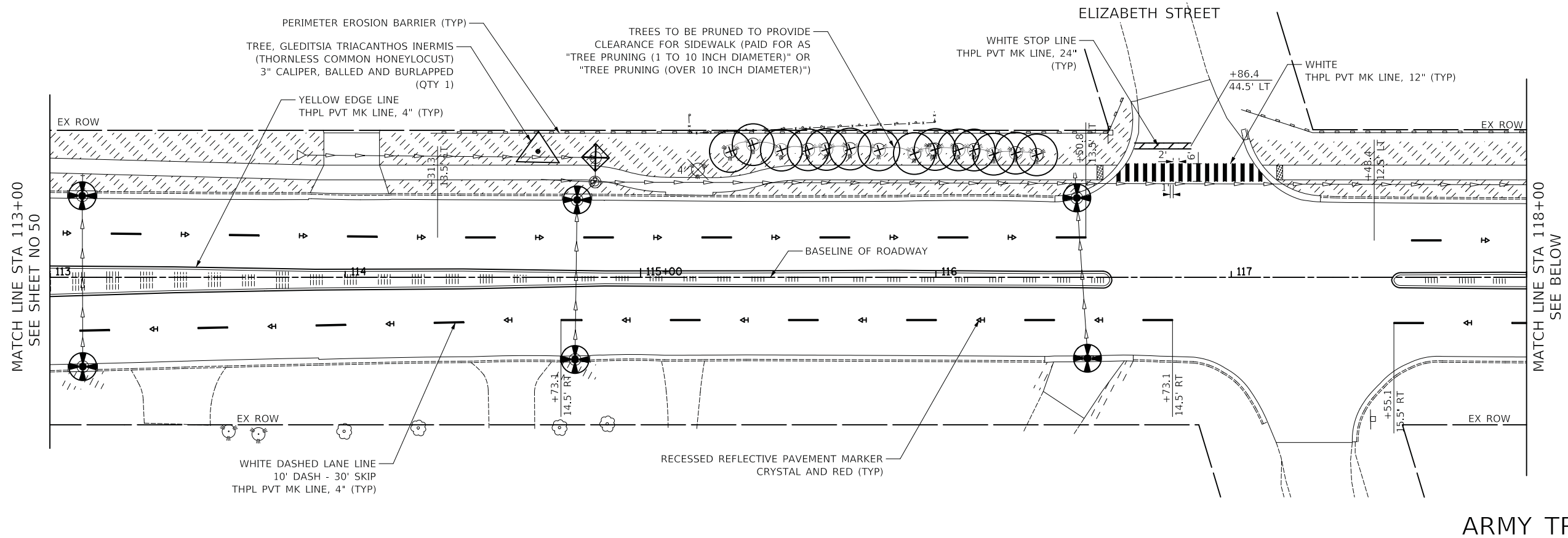
**PAVEMENT MARKING, LANDSCAPING
 AND EROSION CONTROL PLANS**

SHEET NO. 1 OF 8 SHEETS STA. 105+71.8 TO STA. 113+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	50
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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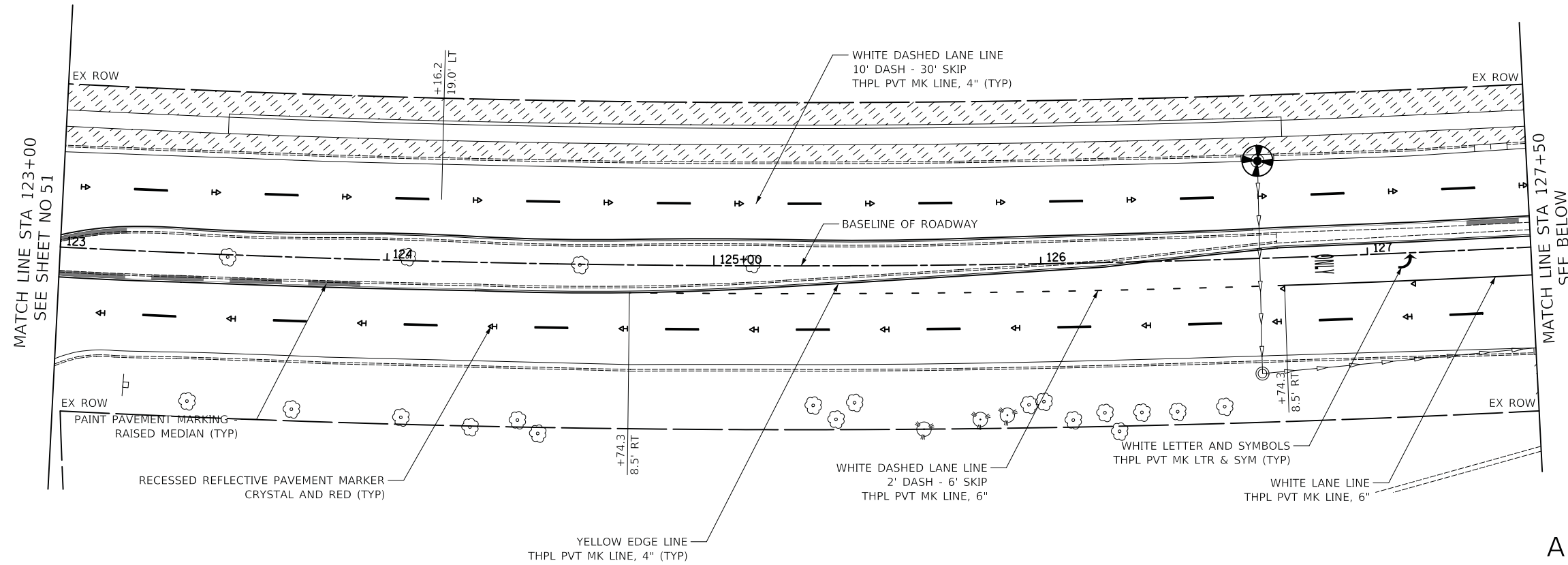
**PAVEMENT MARKING, LANDSCAPING
 AND EROSION CONTROL PLANS**

SHEET NO. 2 OF 8 SHEETS STA. 113+00 TO STA. 123+00

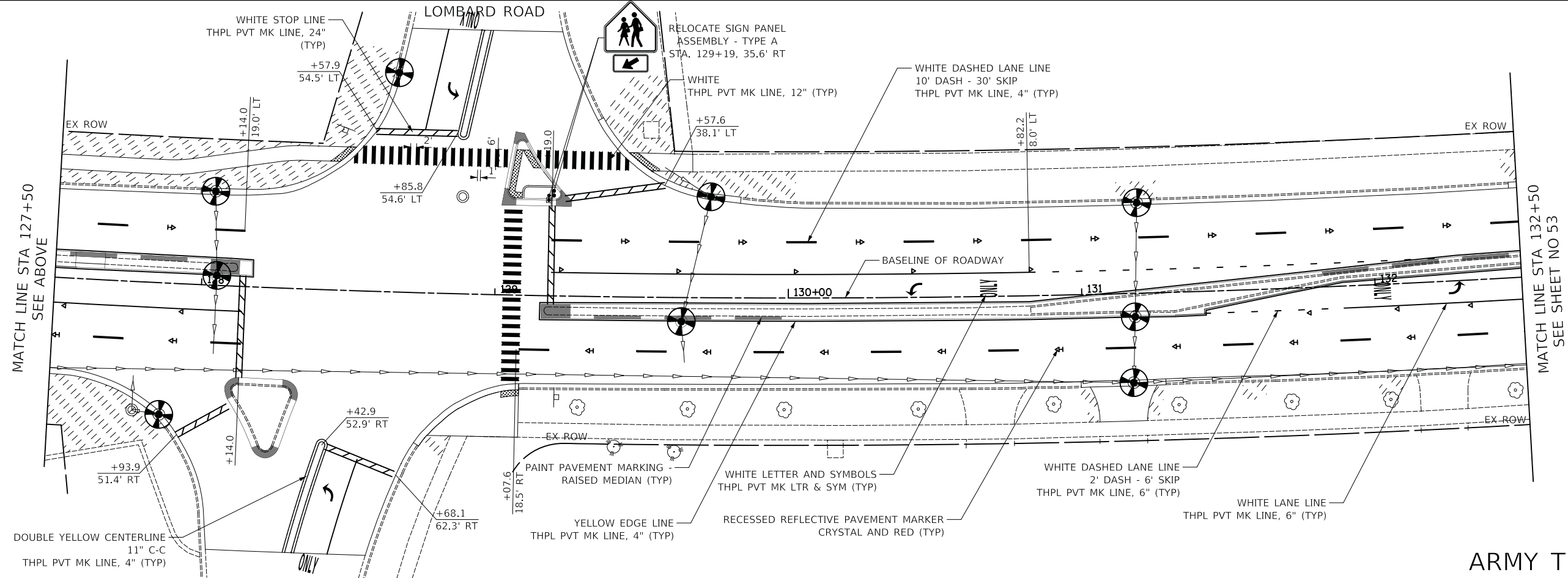
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CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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	STRUCTURE NOTATIONS CHKD		



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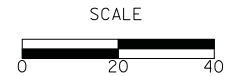


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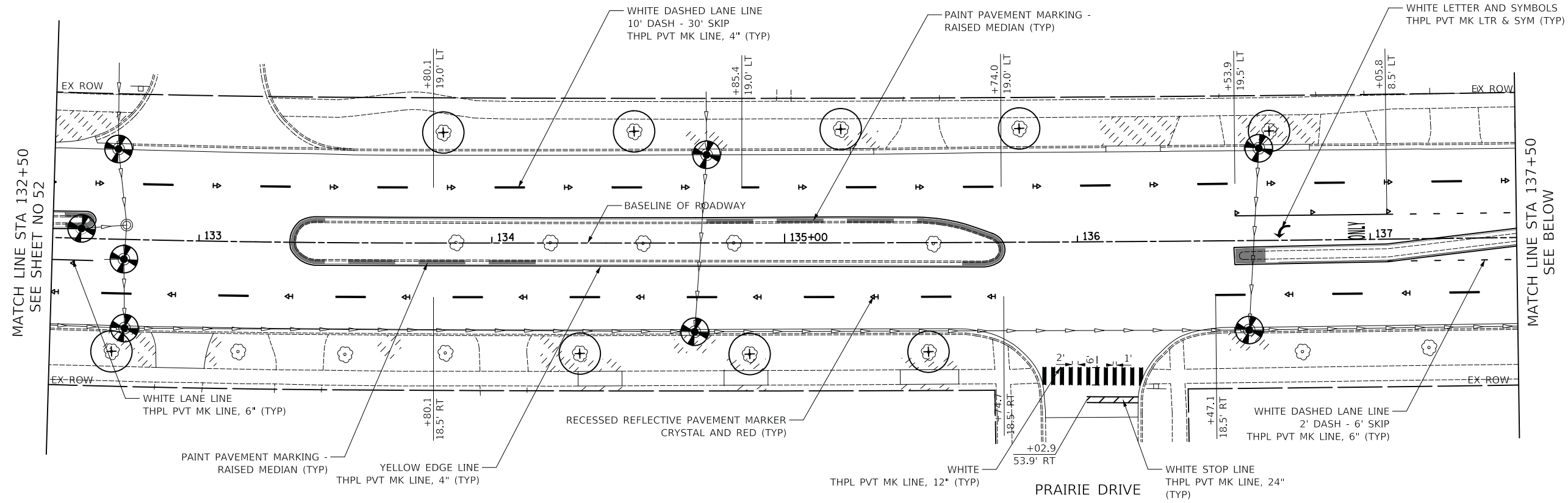
PAVEMENT MARKING, LANDSCAPING
 AND EROSION CONTROL PLANS

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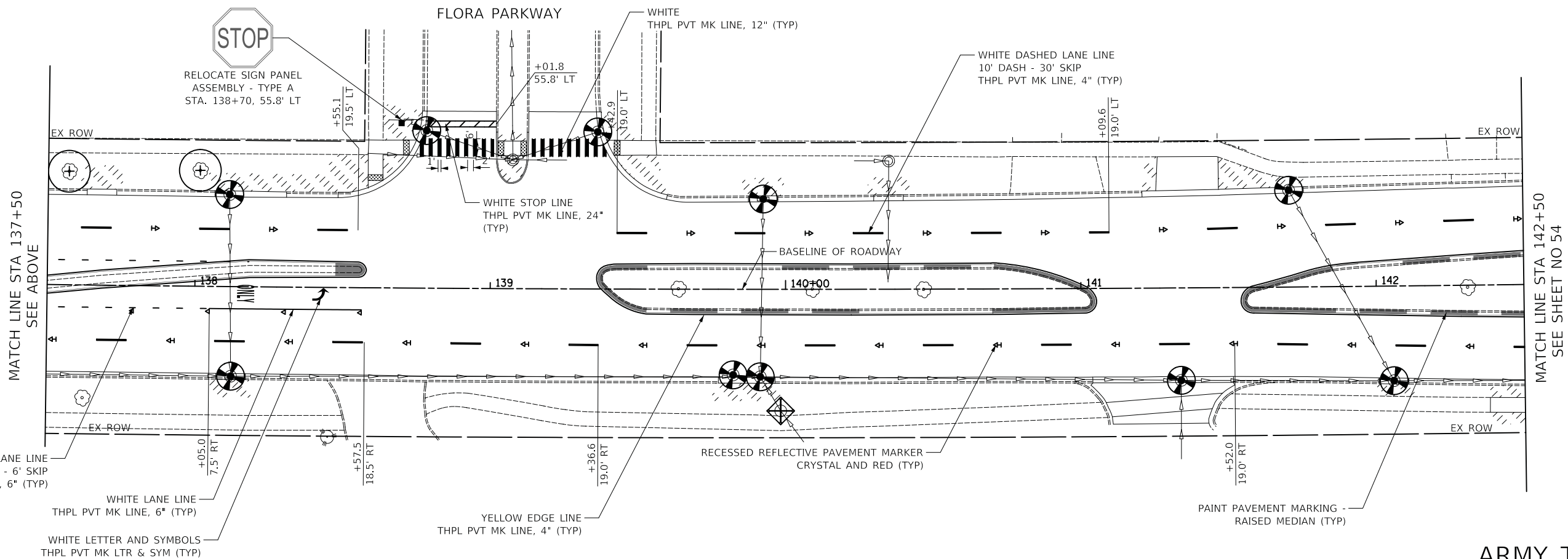
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CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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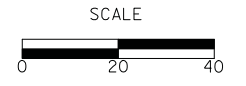
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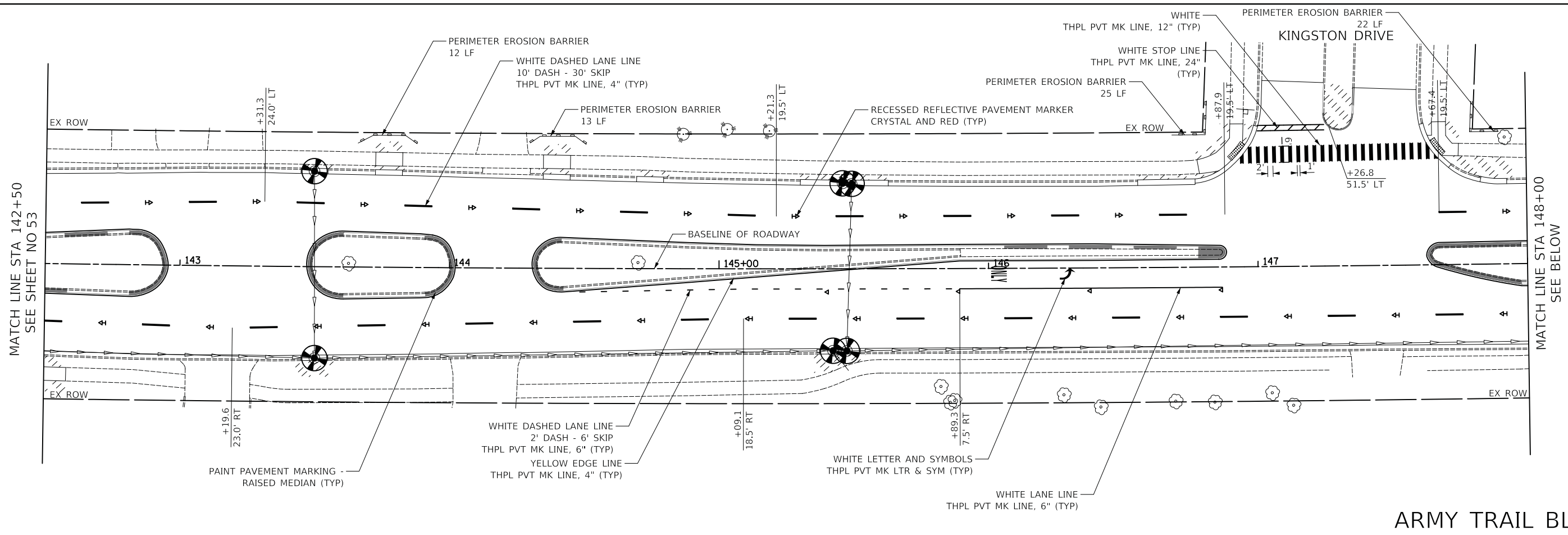
PAVEMENT MARKING, LANDSCAPING
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SHEET NO. 4 OF 8 SHEETS STA. 132+50 TO STA. 142+50

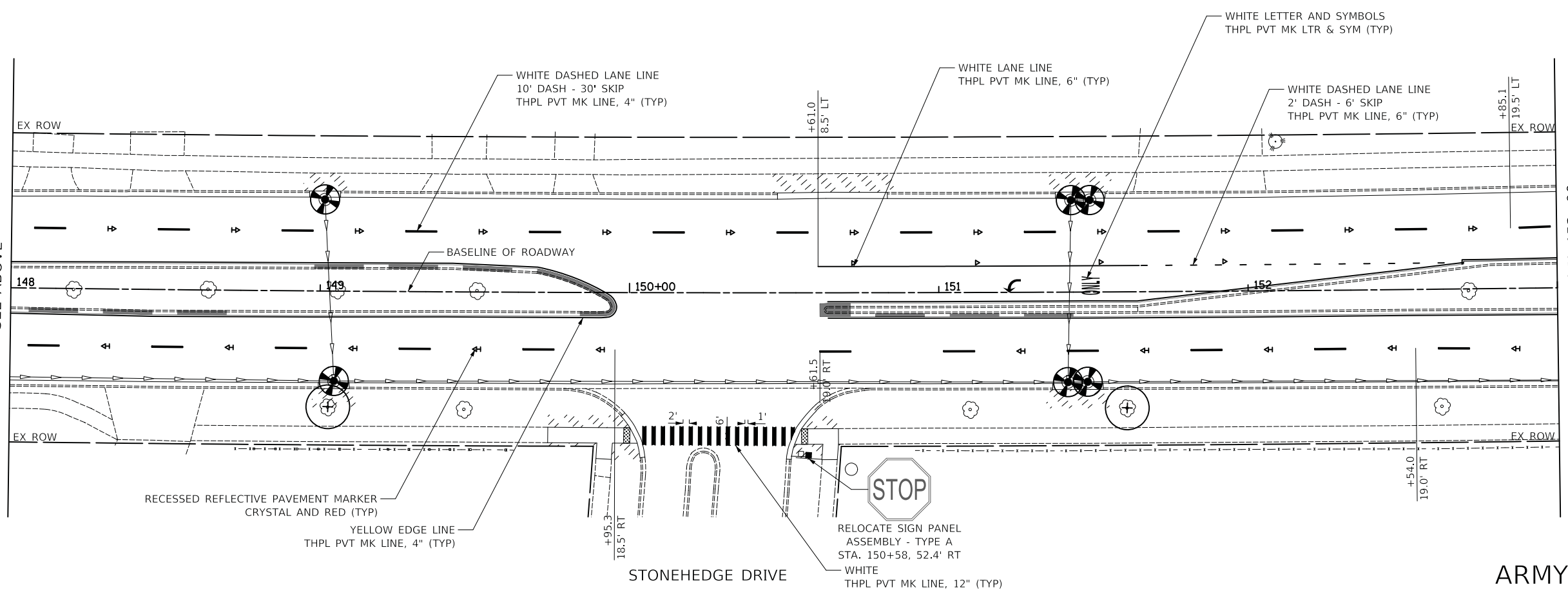
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CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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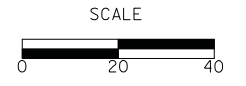


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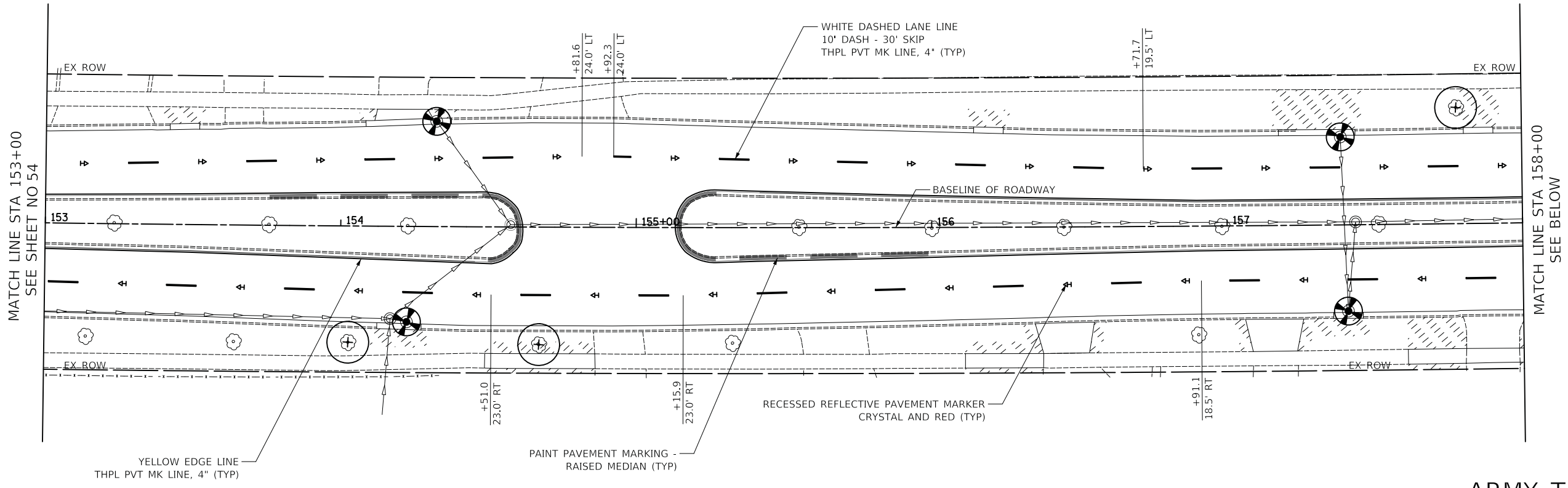
PAVEMENT MARKING, LANDSCAPING
 AND EROSION CONTROL PLANS

SHEET NO. 5 OF 8 SHEETS STA. 142+50 TO STA. 153+00

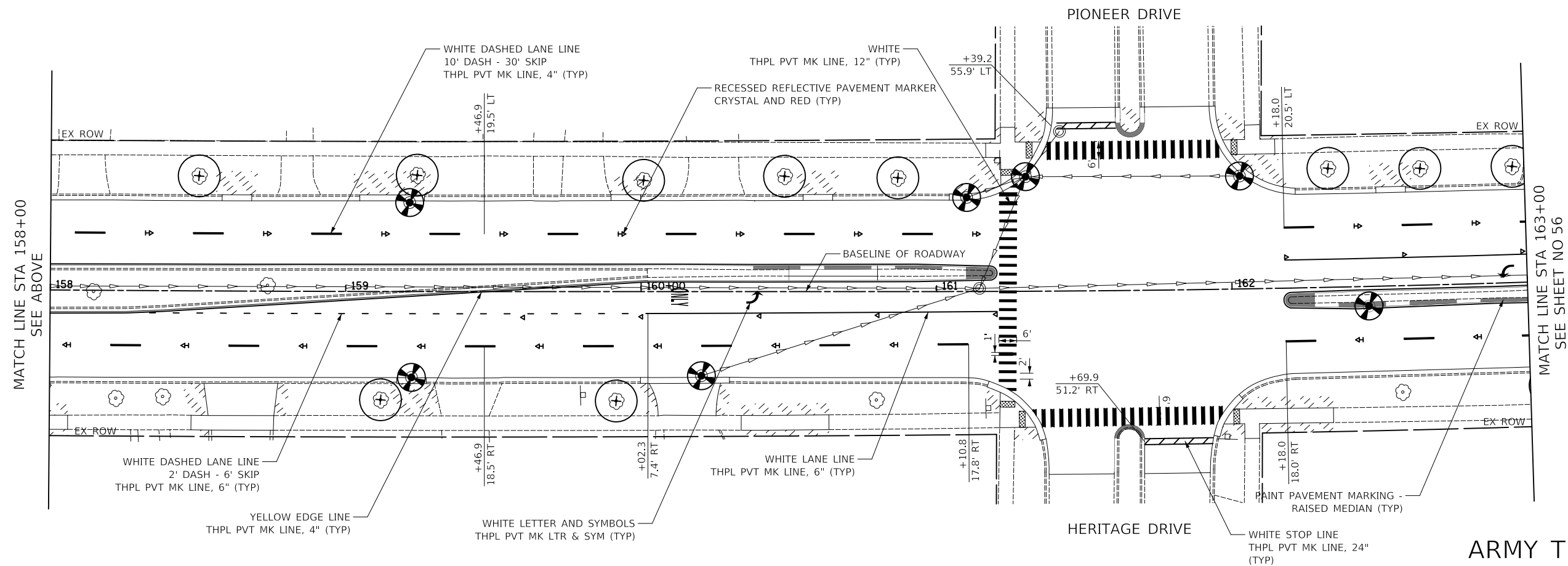
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3834	17-00104-00-RS	DUPAGE	84	54
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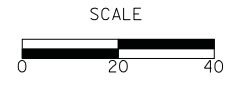
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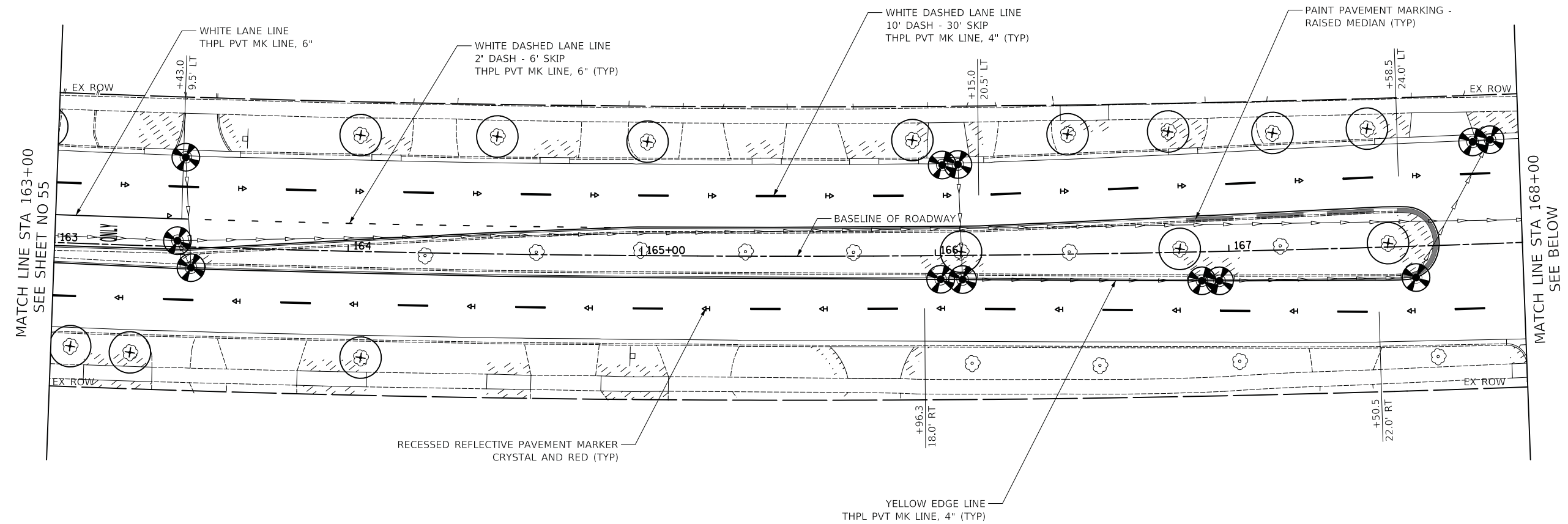
**PAVEMENT MARKING, LANDSCAPING
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SHEET NO. 6 OF 8 SHEETS STA. 153+00 TO STA. 163+00

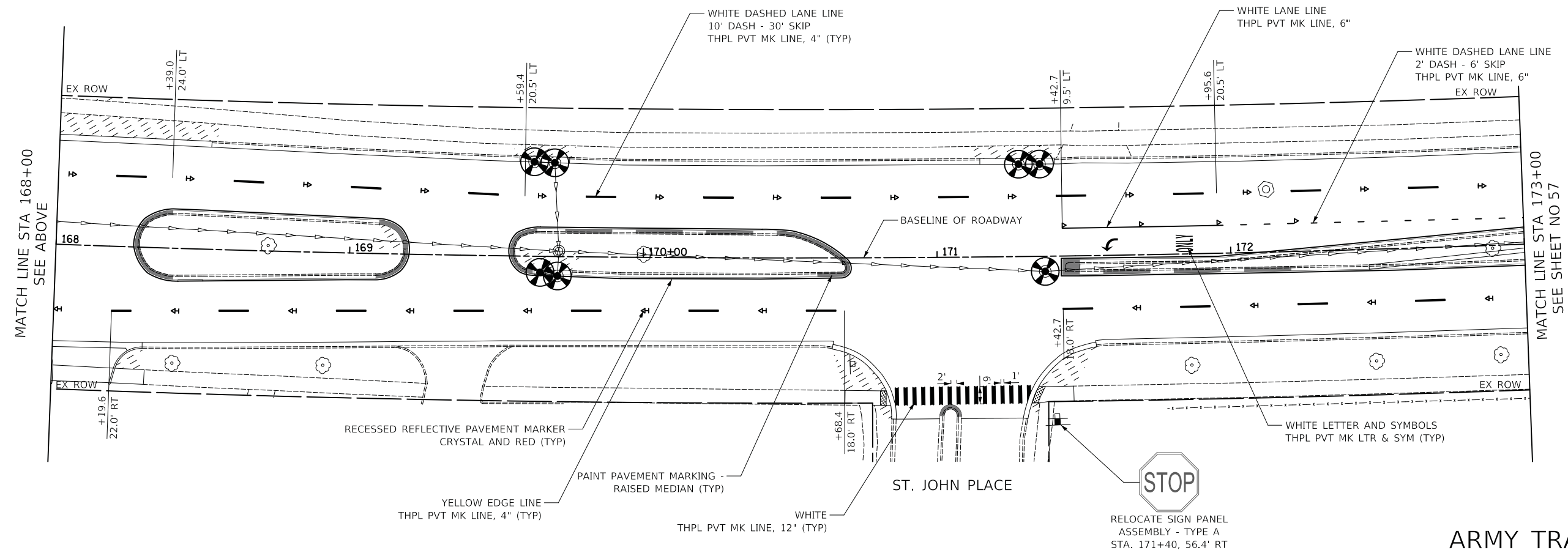
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CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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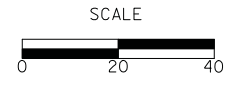


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PAVEMENT MARKING, LANDSCAPING
 AND EROSION CONTROL PLANS

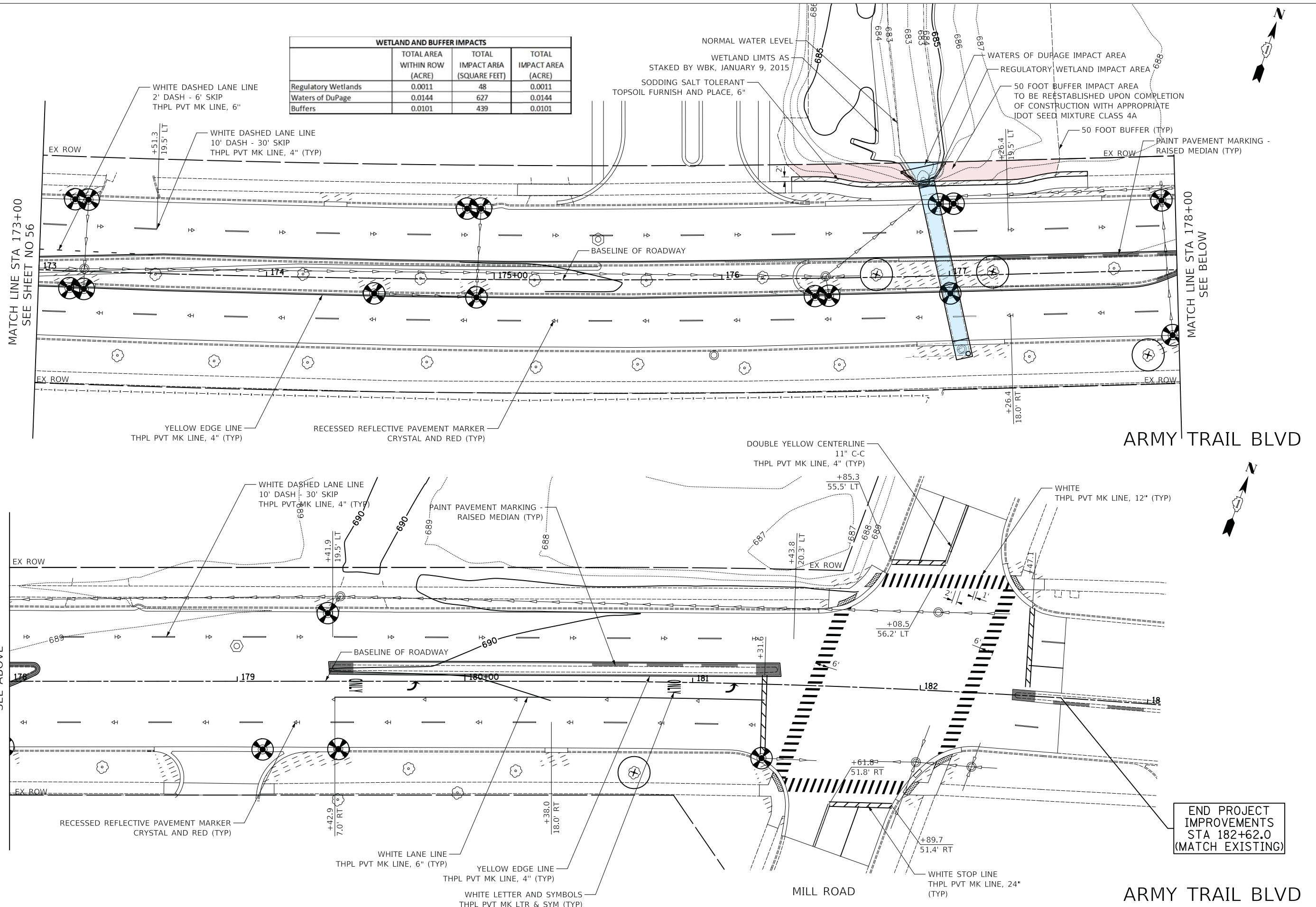
SHEET NO. 7 OF 8 SHEETS STA. 163+00 TO STA. 173+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	56
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NO. OF WAY CHECKED		
	NO.		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NO. OF WAY CHECKED		
	NO.		
	STRUCTURE NOTATIONS CHECKED		

WETLAND AND BUFFER IMPACTS			
	TOTAL AREA WITHIN ROW (ACRE)	TOTAL IMPACT AREA (SQUARE FEET)	TOTAL IMPACT AREA (ACRE)
Regulatory Wetlands	0.0011	48	0.0011
Waters of DuPage	0.0144	627	0.0144
Buffers	0.0101	439	0.0101

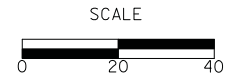


CIVILTECH
 Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

DESIGNED - JRR
 DRAWN - TGB
 CHECKED - RTM
 DATE - 12/07/2017

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



**PAVEMENT MARKING, LANDSCAPING
 AND EROSION CONTROL PLANS**

SHEET NO. 8 OF 8 SHEETS STA. 173+00 TO STA. 182+62

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	57
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

Benchmark: Control Point #23, Cross Cut in north sidewalk, Sta. 178+58.77, Offset 40.10' Lt. Elev. 688.860

Existing Structure: Existing Structure consists of a 72" ϕ CMP culvert

Maintenance of Traffic: Two - 11'-0" lanes of traffic (one in each direction) are to be maintained on Army Trail Boulevard using staged construction.

Salvage: None.

INDEX OF SHEETS

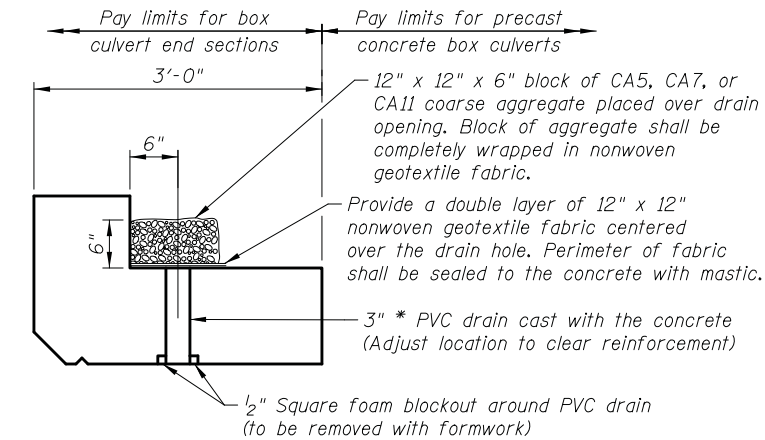
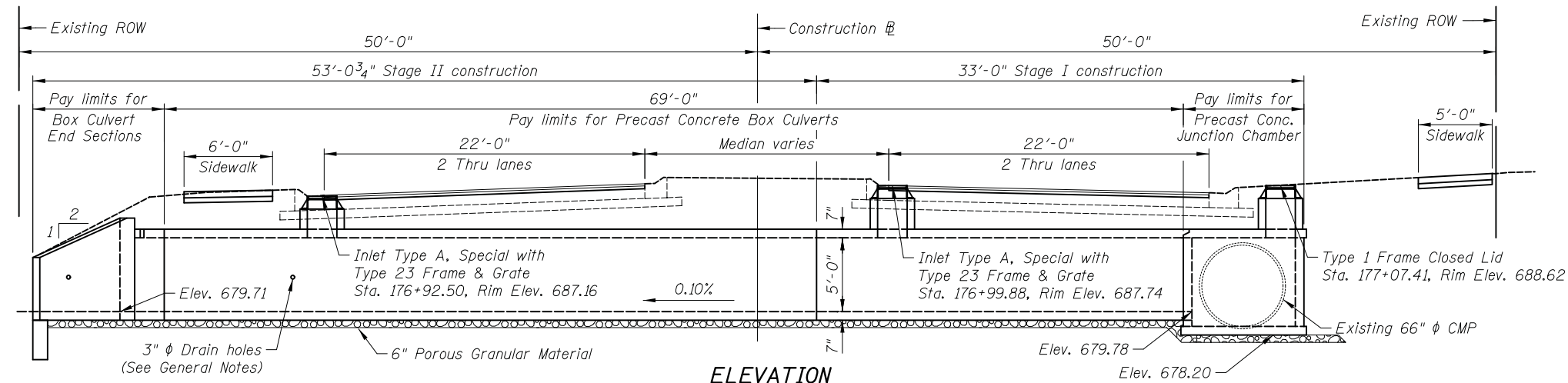
- S1 General Plan and Elevation
- S2-S3 Precast Concrete Box Culvert Apron End Section Details
- S4 Junction Chamber Details
- S5 Soil Boring

DESIGN STRESSES

PRECAST UNITS
 $f'_c = 5,000$ psi
 $f_y = 65,000$ psi (Welded wire fabric)

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu. Yd.	79.7
Pipe Culvert Removal	Foot	70
Box Culvert End Sections, Culvert No. 1	Each	1
Precast Concrete Box Culverts, 6'x5'	Foot	69.0
Precast Concrete Junction Chamber	Each	1



DRAIN DETAIL

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

LEGEND

- E Existing underground electric
- G Existing underground gasline
- Existing storm sewer
- Existing underground sanitary
- A Existing aerial line
- Proposed storm sewer
- W Existing Water Main
- Proposed Water Main with casing
- Soil Boring

GENERAL NOTES

The design fill height for this box is 2-3 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.
 Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.
 The 6 in. thick layer of porous granular material required for the precast concrete box culvert per Art. 540.06 of the Standard Specifications shall also apply to the end sections. Cost of the porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.
 Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.
 Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment below the top of the box culvert extending to a vertical plane 2 ft from the exterior sides of the culvert, 2 ft from the back face of the end sections, and not closer than 2 ft from the face of embankment.

LOADING HL-93

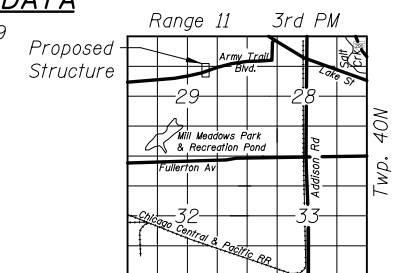
Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

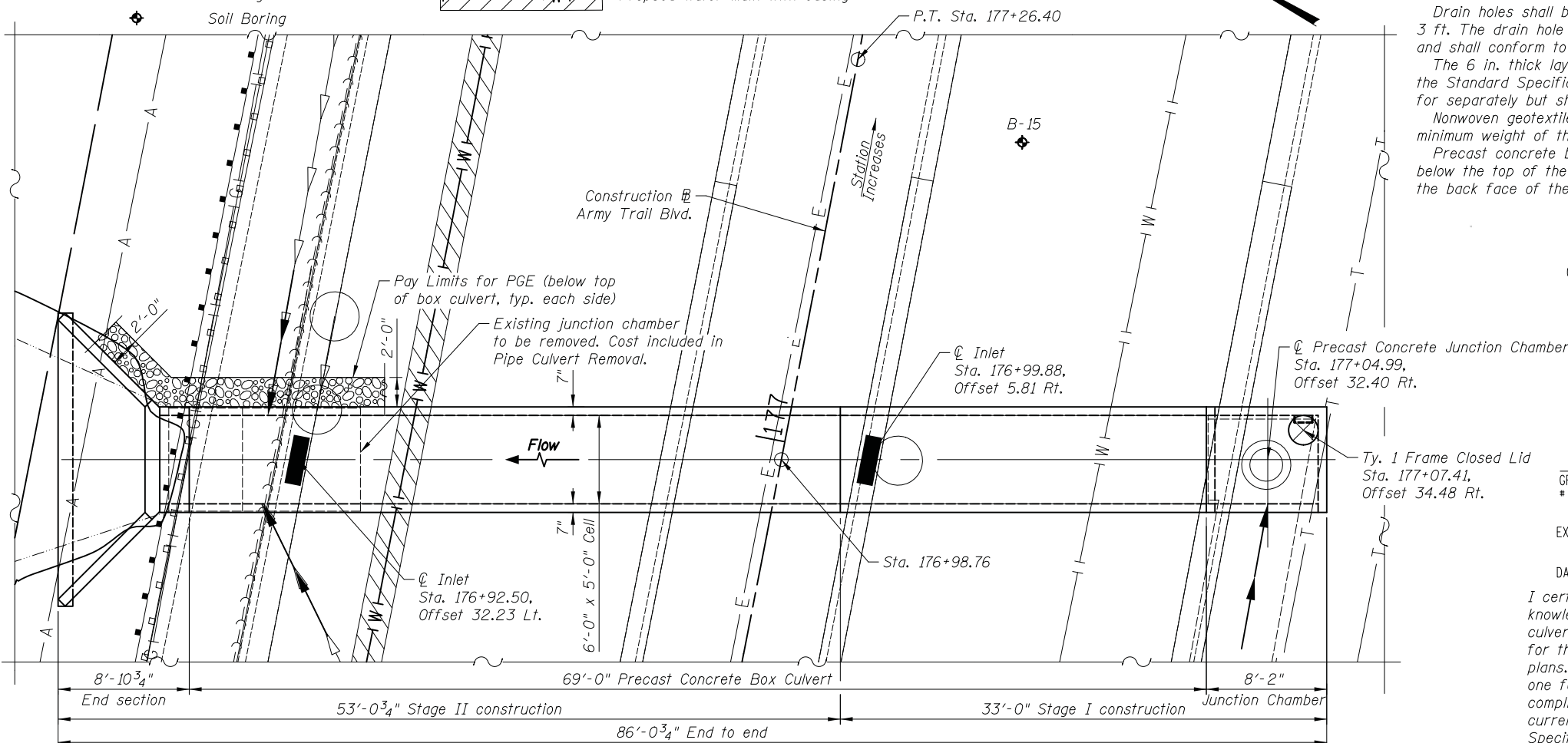
2014 AASHTO LRFD Bridge Design Specifications, 7th Edition with 2015 and 2016 Interims.

HORIZONTAL CURVE DATA

Prop. curve PRARMY_9
 PI Sta. = 169+14.17
 $\Delta = 14^{\circ}00'51"$ (LT)
 $D = 0^{\circ}51'30"$
 $R = 6,675.00'$
 $T = 820.42'$
 $L = 1,632.65'$
 $E = 50.23'$
 P.C. Sta. = 160+93.75
 P.T. Sta. = 177+26.40



LOCATION SKETCH



CIVILTECH ENGINEERING, INC.
 GREGORY J. HATLESTAD, S.E.



GREGORY J. HATLESTAD, S.E.
 # 081-005562

EXP 11-30-2018

DATE 11-17-2017

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

GENERAL PLAN & ELEVATION
ARMY TRAIL BOULEVARD CULVERT
F.A.U. RTE. 3834 SECTION 17-00104-00-RS
DUPAGE COUNTY
STA. 176+98.76

CIVILTECH
 Two Pierce Place, Suite 1400
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 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

DRAWN - J. SCHROEDER	REVISED -
DESIGNED - J. SCHROEDER	REVISED -
CHECKED - G. HATLESTAD	REVISED -
DATE - 11/27/2017	REVISED -

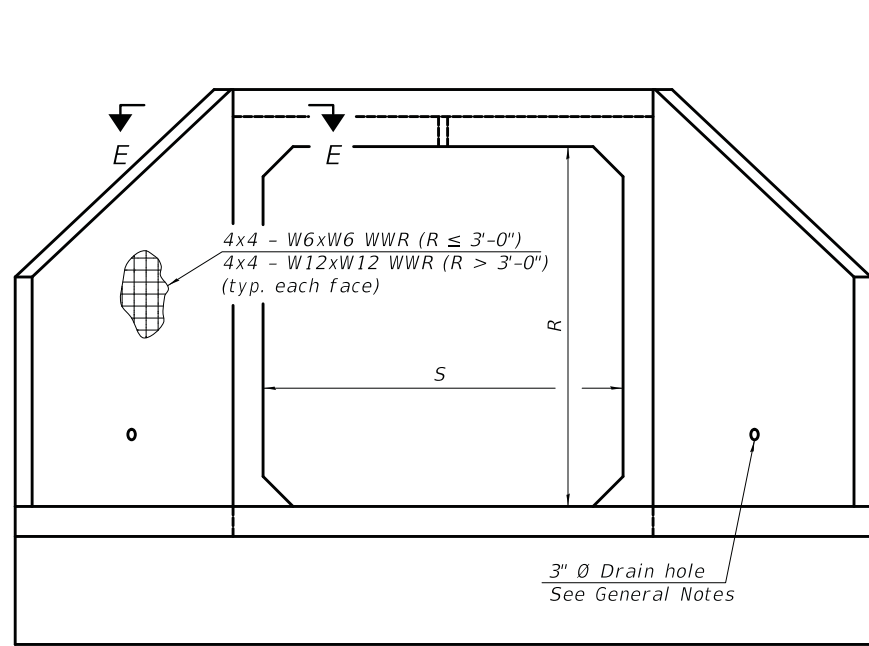
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
ARMY TRAIL BOULEVARD CULVERT

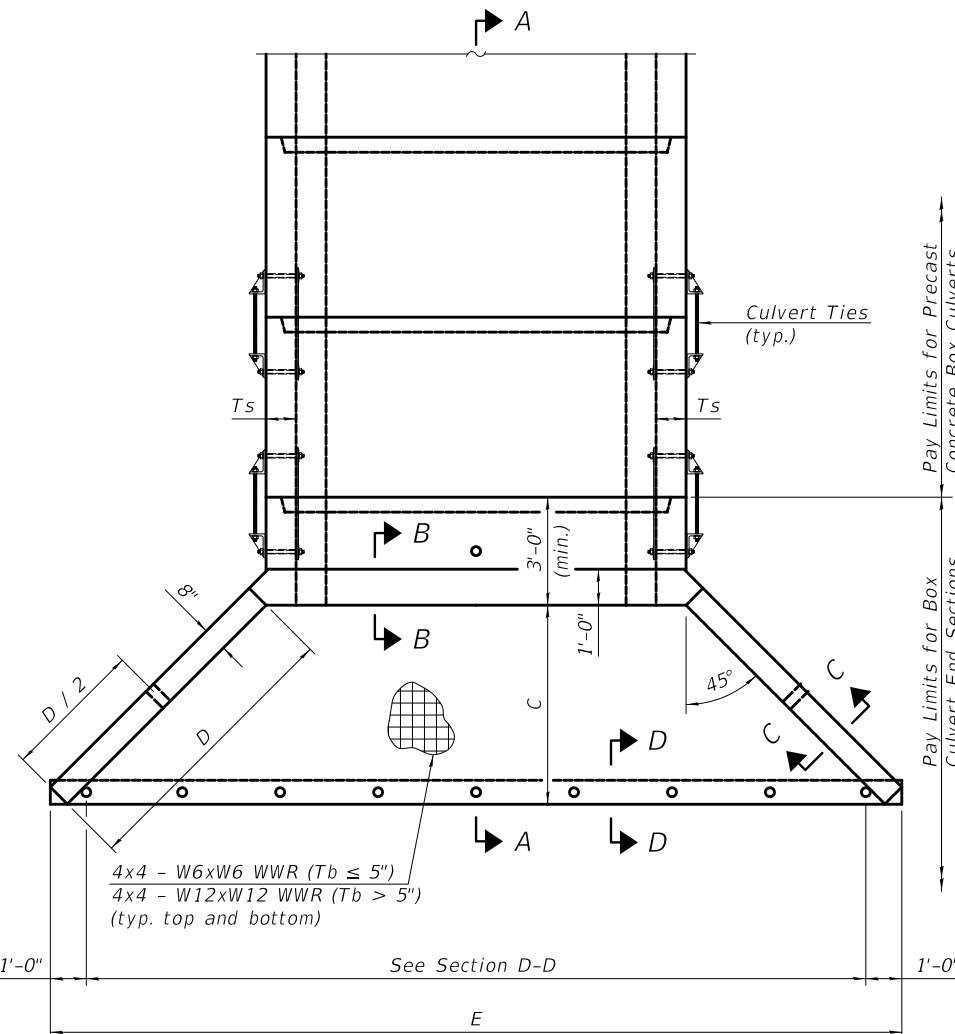
SHEET NO. S1 OF S5 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	58
CONTRACT NO. 61E42				

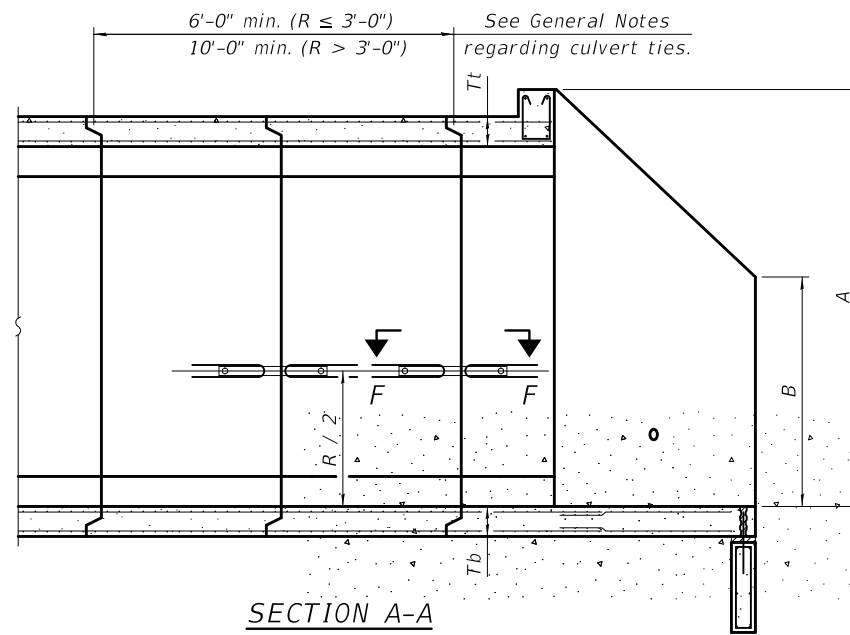
FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT



END VIEW



PLAN



SECTION A-A

GENERAL NOTES

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. End sections will be paid for at the contract unit price per each for Box Culvert End Sections.

The Contractor may furnish the end section as a single precast concrete piece or construct the end section in the field using cast-in-place (CIP) construction. For CIP construction, the bottom slab thickness shall be increased by 2" and the clear cover to the bottom mat of reinforcement shall be increased to 3".

Box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements for ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

The number of culvert ties shall be sufficient to engage the minimum length of culvert barrel shown within the pay limits for Precast Concrete Box Culverts and will be dependent upon the length of box culvert segments furnished by the Contractor. Culvert ties are not required for box culverts having a rise (R) less than or equal to 3 ft and a span (S) greater than or equal to 10 ft.

All costs associated with furnishing and installing or constructing the toewall and culvert ties will not be measured for payment but shall be included in the unit price for Box Culvert End Sections of the culvert number specified.

Shop drawings that detail slab thickness and reinforcement layout for the Box Culvert End Sections shall be provided to the Engineer for review and approval. Reinforcement bars not detailed herein shall be detailed with a clear distance at the end of the reinforcement not less than 1/2" nor more than 2". For the precast option, it shall be the Contractor's responsibility for determining a method of handling and a construction procedure shall be included in the shop drawings. The Contractor shall determine and detail in the shop drawings any necessary strengthening or stiffening provisions necessary to handle the precast segment. Any required modifications shall be at no extra charge.

The Contractor may use reinforcement bars in lieu of welded wire reinforcement (WWR). Reinforcement bars shall be limited to the sizes of #3 through #5 bars, a maximum spacing of the lesser of 8" or the member thickness, and shall result in an area of reinforcement equal to or greater than that provided by the WWR. Minimum lap lengths detailed herein are applicable to WWR and reinforcement bars.

Reinforcement (circumferential and longitudinal) in the culvert barrel portion of the end section being lapped with reinforcement from the wingwalls or bottom slab of the end section shall not be less than that required by ASTM C 1577 for the design fill height or the reinforcement detailed for the end section, whichever is greater.

One drain hole shall be provided in each wingwall for end sections of box culverts having an opening with a clear rise greater than 3 ft. The drain hole shall be located within the lower 1/3 of the clear rise of the box culvert and shall conform to the requirements of Article 503.11 of the Standard Specifications.

APRON END SECTION DIMENSIONS

Span (S)	Rise (R)	Tt	Tb	Ts	A	B	C	D	E	Concrete Cu. Yd.	Culvert Ties Required
3'-0"	2'-0"	7"	6"	4"	3'-4"	2'-2"	2'-10 5/8"	4'-1"	10'-4 5/8"	2.8	Yes
3'-0"	2'-0"	4"	4"	4"	3'-1"	2'-1"	2'-7 7/8"	3'-9"	9'-11"	2.3	Yes
3'-0"	3'-0"	7"	6"	4"	4'-4"	2'-8"	3'-10 5/8"	5'-6"	12'-4 5/8"	3.7	Yes
3'-0"	3'-0"	4"	4"	4"	4'-1"	2'-7"	3'-7 7/8"	5'-2"	11'-11"	3.1	Yes
4'-0"	2'-0"	7.5"	6"	5"	3'-4 1/2"	2'-2 1/2"	2'-11 3/8"	4'-2"	11'-8"	3.3	Yes
4'-0"	2'-0"	5"	5"	5"	3'-2"	2'-1"	2'-8 1/2"	3'-10"	11'-2 3/8"	2.8	Yes
4'-0"	3'-0"	7.5"	6"	5"	4'-4 1/2"	2'-8 1/2"	3'-11 3/8"	5'-7"	13'-8 1/8"	4.2	Yes
4'-0"	3'-0"	5"	5"	5"	4'-2"	2'-7"	3'-8 1/2"	5'-3"	13'-2 3/8"	3.7	Yes
4'-0"	4'-0"	7.5"	6"	5"	5'-4 1/2"	3'-2 1/2"	4'-11 3/8"	7'-0"	15'-8 1/8"	5.3	Yes
4'-0"	4'-0"	5"	5"	5"	5'-2"	3'-1"	4'-8 3/8"	6'-8"	15'-2 1/2"	4.7	Yes
5'-0"	2'-0"	8"	7"	6"	3'-5"	2'-3"	2'-11 3/8"	4'-2"	12'-10"	3.9	Yes
5'-0"	2'-0"	6"	6"	6"	3'-3"	2'-2"	2'-10"	4'-0"	12'-7 1/4"	3.5	Yes
5'-0"	3'-0"	8"	7"	6"	4'-5"	2'-9"	3'-11 3/8"	5'-7"	14'-10 1/8"	4.9	Yes
5'-0"	3'-0"	6"	6"	6"	4'-3"	2'-8"	3'-10"	5'-5"	14'-7 1/4"	4.5	Yes
5'-0"	4'-0"	8"	7"	6"	5'-5"	3'-3"	4'-11 3/8"	7'-0"	16'-10 1/8"	6.1	Yes
5'-0"	4'-0"	6"	6"	6"	5'-3"	3'-2"	4'-9 1/4"	6'-9"	16'-5 7/8"	5.5	Yes
5'-0"	5'-0"	8"	7"	6"	6'-5"	3'-9"	5'-11 3/8"	8'-5"	18'-10 1/8"	7.4	Yes
5'-0"	5'-0"	6"	6"	6"	6'-3"	3'-8"	5'-9 1/4"	8'-2"	18'-5 7/8"	6.8	Yes
6'-0"	2'-0"	8"	7"	7"	3'-5"	2'-3"	2'-11 3/8"	4'-2"	14'-0"	4.3	Yes
6'-0"	2'-0"	7"	7"	7"	3'-4"	2'-2"	2'-10 3/8"	4'-1"	13'-10 3/8"	4.2	Yes
6'-0"	3'-0"	8"	7"	7"	4'-5"	2'-9"	3'-11 3/8"	5'-7"	16'-0 1/8"	5.4	Yes
6'-0"	3'-0"	7"	7"	7"	4'-4"	2'-8"	3'-10 3/8"	5'-6"	15'-10 3/8"	5.2	Yes
6'-0"	4'-0"	8"	7"	7"	5'-5"	3'-3"	4'-11 3/8"	7'-0"	18'-0 1/8"	6.5	Yes
6'-0"	4'-0"	7"	7"	7"	5'-4"	3'-2"	4'-10 3/4"	6'-11"	17'-10 3/4"	6.5	Yes
6'-0"	5'-0"	8"	7"	7"	6'-5"	3'-9"	5'-11 3/8"	8'-5"	20'-0 1/8"	8.0	Yes
6'-0"	5'-0"	7"	7"	7"	6'-4"	3'-8"	5'-10 3/4"	8'-4"	19'-10 3/4"	7.8	Yes
6'-0"	6'-0"	8"	7"	7"	7'-5"	4'-3"	6'-11 1/2"	9'-10"	22'-0 1/4"	9.5	Yes
6'-0"	6'-0"	7"	7"	7"	7'-4"	4'-2"	6'-10 3/4"	9'-9"	21'-10 3/4"	9.3	Yes
7'-0"	2'-0"	8"	8"	8"	3'-5"	2'-3"	2'-11 3/8"	4'-2"	15'-2"	4.9	Yes
7'-0"	3'-0"	8"	8"	8"	4'-5"	2'-9"	3'-11 3/8"	5'-7"	17'-2 1/8"	6.1	Yes
7'-0"	4'-0"	8"	8"	8"	5'-5"	3'-3"	4'-11 3/8"	7'-0"	19'-2 1/8"	7.4	Yes
7'-0"	5'-0"	8"	8"	8"	6'-5"	3'-9"	5'-11 3/8"	8'-5"	21'-2 1/8"	8.9	Yes
7'-0"	6'-0"	8"	8"	8"	7'-5"	4'-3"	6'-11 1/2"	9'-10"	23'-2 1/4"	10.6	Yes
8'-0"	2'-0"	8"	8"	8"	3'-5"	2'-3"	2'-11 3/8"	4'-2"	16'-2"	5.3	Yes
8'-0"	3'-0"	8"	8"	8"	4'-5"	2'-9"	3'-11 3/8"	5'-7"	18'-2 1/8"	6.5	Yes
8'-0"	4'-0"	8"	8"	8"	5'-5"	3'-3"	4'-11 3/8"	7'-0"	20'-2 1/8"	7.8	Yes
8'-0"	5'-0"	8"	8"	8"	6'-5"	3'-9"	5'-11 3/8"	8'-5"	22'-2 1/8"	9.3	Yes
8'-0"	6'-0"	8"	8"	8"	7'-5"	4'-3"	6'-11 1/2"	9'-10"	24'-2 1/4"	11.0	Yes
9'-0"	2'-0"	9"	9"	9"	3'-6"	2'-3"	3'-0 3/4"	4'-4"	17'-6 7/8"	6.2	Yes
9'-0"	3'-0"	9"	9"	9"	4'-6"	2'-9"	4'-0 3/4"	5'-9"	19'-6 7/8"	7.5	Yes
9'-0"	4'-0"	9"	9"	9"	5'-6"	3'-3"	5'-0 3/4"	7'-2"	21'-6 7/8"	9.0	Yes
9'-0"	5'-0"	9"	9"	9"	6'-6"	3'-9"	6'-0 7/8"	8'-7"	23'-7"	10.6	Yes
9'-0"	6'-0"	9"	9"	9"	7'-6"	4'-3"	7'-0 7/8"	9'-11"	25'-5 5/8"	12.4	Yes
10'-0"	2'-0"	10"	10"	10"	3'-7"	2'-4"	3'-1 1/2"	4'-5"	18'-10 1/4"	7.1	No
10'-0"	3'-0"	10"	10"	10"	4'-7"	2'-10"	4'-1 1/2"	5'-10"	20'-10 1/4"	8.6	No
10'-0"	4'-0"	10"	10"	10"	5'-7"	3'-4"	5'-1 1/2"	7'-3"	22'-10 3/8"	10.2	Yes
10'-0"	5'-0"	10"	10"	10"	6'-7"	3'-10"	6'-1 1/2"	8'-8"	24'-10 3/8"	12.0	Yes
10'-0"	6'-0"	10"	10"	10"	7'-7"	4'-4"	7'-1 1/2"	10'-1"	26'-10 3/8"	13.9	Yes
11'-0"	2'-0"	11"	11"	11"	3'-8"	2'-4"	3'-2 7/8"	4'-7"	20'-3 1/8"	8.2	No
11'-0"	3'-0"	11"	11"	11"	4'-8"	2'-10"	4'-2 7/8"	6'-0"	22'-3 1/8"	9.8	No
11'-0"	4'-0"	11"	11"	11"	5'-8"	3'-4"	5'-2 1/4"	7'-4"	24'-1 3/4"	11.5	Yes
11'-0"	5'-0"	11"	11"	11"	6'-8"	3'-10"	6'-2 1/4"	8'-9"	26'-1 3/4"	13.3	Yes
11'-0"	6'-0"	11"	11"	11"	7'-8"	4'-4"	7'-2 1/4"	10'-2"	28'-1 7/8"	15.5	Yes
12'-0"	2'-0"	12"	12"	12"	3'-9"	2'-5"	3'-3 3/8"	4'-8"	21'-6 1/2"	9.3	No
12'-0"	3'-0"	12"	12"	12"	4'-9"	2'-11"	4'-3 3/8"	6'-1"	23'-6 1/2"	11.1	No
12'-0"	4'-0"	12"	12"	12"	5'-9"	3'-5"	5'-3 3/8"	7'-6"	25'-6 3/8"	13.0	Yes
12'-0"	5'-0"	12"	12"	12"	6'-9"	3'-11"	6'-3 3/8"	8'-11"	27'-6 3/8"	14.1	Yes
12'-0"	6'-0"	12"	12"	12"	7'-9"	4'-5"	7'-3 3/8"	10'-4"	29'-6 5/8"	17.4	Yes

Note:

Two sets of apron end section dimensions are shown above for some box culvert sizes due to the top and bottom slabs having different thicknesses per ASTM C 1577 for design fill heights less than 2 ft. (Sheet 1 of 2)

9:59:59 AM
 I:\20\2017
 cs:\p_wor\king\civiltech_production\tpb\dms23845\02_End_section_ldgn

SCB-AES

2-17-2017

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 www.civiltechinc.com

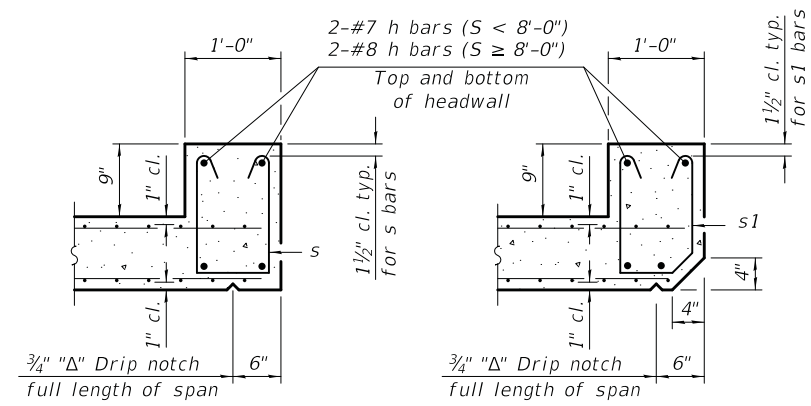
DRAWN	- J. SCHROEDER	REVISED	-
DESIGNED	- J. SCHROEDER	REVISED	-
CHECKED	- G. HATLESTAD	REVISED	-
DATE	- 11/27/2017	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRECAST CONCRETE BOX CULVERT APRON END SECTION DETAILS
ARMY TRAIL BOULEVARD CULVERT

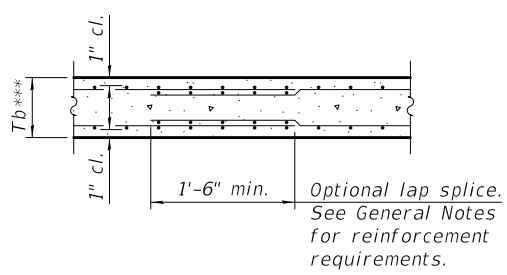
SHEET NO. S2 OF S5 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	59
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



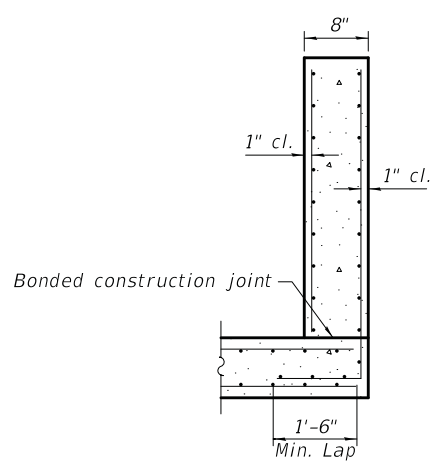
SECTION B-B
(Top slab at downstream end)

SECTION B-B
(Top slab at upstream end)

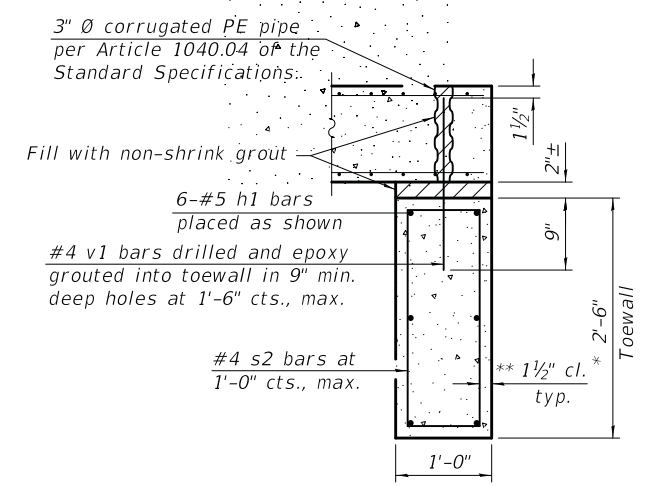


SECTION B-B
(Bottom Slab)

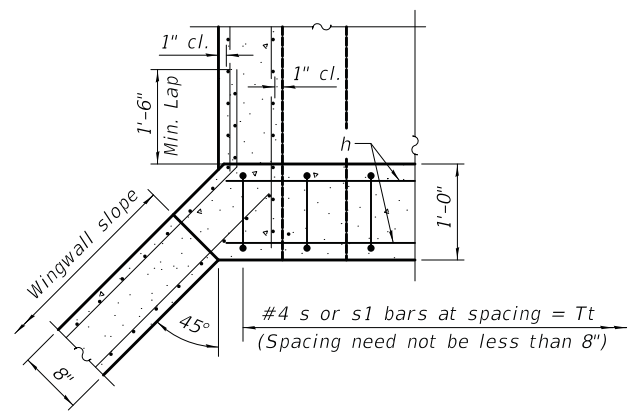
*** This dimension shall be increased by 2" for CIP construction.



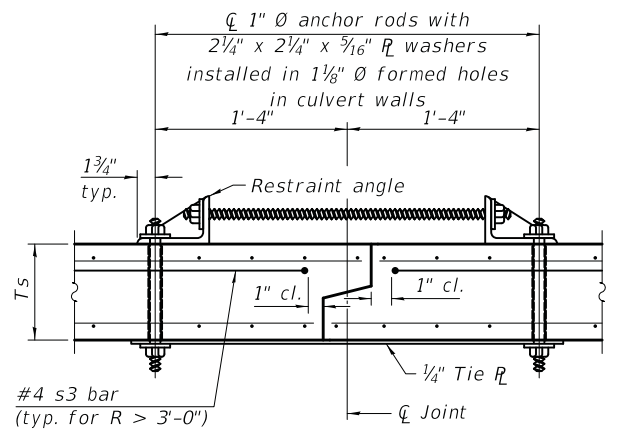
SECTION C-C



SECTION D-D



SECTION E-E



SECTION F-F
(Showing culvert tie details)

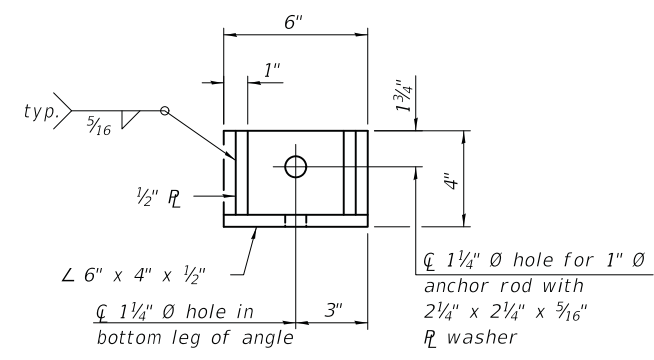
TOEWALL CONSTRUCTION SEQUENCE

1. Perform excavation and construct toewall.
2. Backfill accordingly and place bedding for precast box culvert end sections.
3. Set precast box culvert end section.
4. Drill and epoxy grout reinforcement in toewall in accordance with Section 584 of the Standard Specifications.
5. Pressure grout voids using non-shrink grout conforming to Section 1024 of the Standard Specifications.

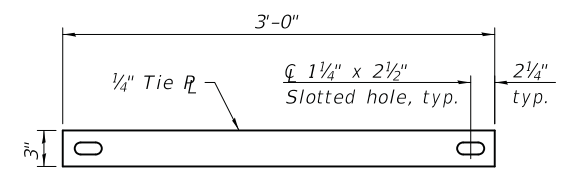
* The Contractor may furnish a precast or cast-in-place toewall. The Contractor shall be responsible for the strength and stability of the precast toewall during handling. Additional lifting points may be required depending upon the length of the toewall or the Contractor may need to modify the design of the toewall for the proposed handling method.

** If soil conditions permit, the sides of the toewall may be poured directly against the soil. The clear cover on the sides of the toewall shall be increased to 3" by increasing the thickness of the toewall.

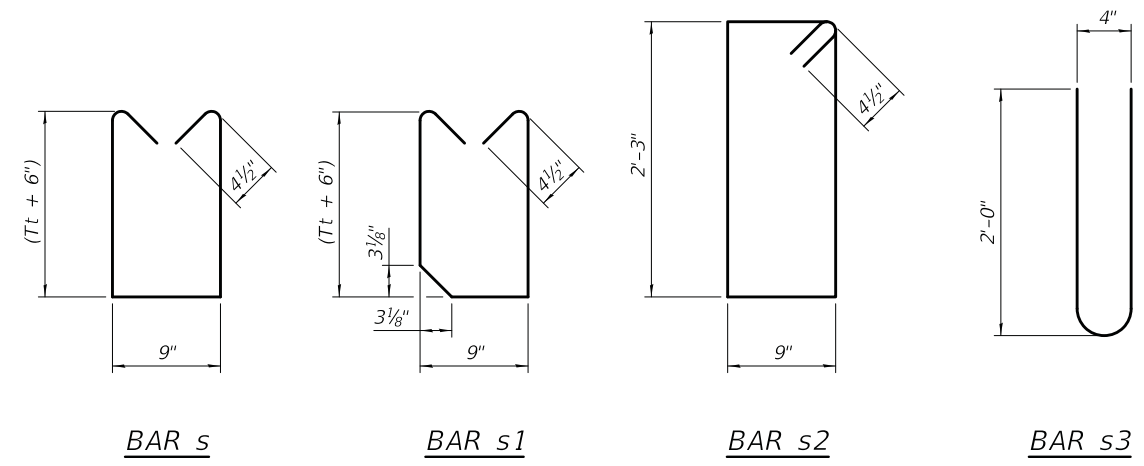
Notes:
1" Ø anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for the tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications. All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. 2 1/4" x 2 1/4" x 3/16" plate washers shall be provided under each nut required for the anchor rods. Anchor rods connecting precast sections shall be brought to a snug tight condition followed by an additional 1/2 turn on one of the nuts for anchor rods installed in the walls. Match marks shall be provided on the bolt and nut to verify relative rotation between the bolt and the nut. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.



RESTRAINT ANGLE DETAIL



TIE PLATE DETAIL



BAR s

BAR s1

BAR s2

BAR s3

SCB-AES

2-17-2017

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Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DRAWN	- J. SCHROEDER	REVISED	-
DESIGNED	- J. SCHROEDER	REVISED	-
CHECKED	- G. HATLESTAD	REVISED	-
DATE	- 11/27/2017	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

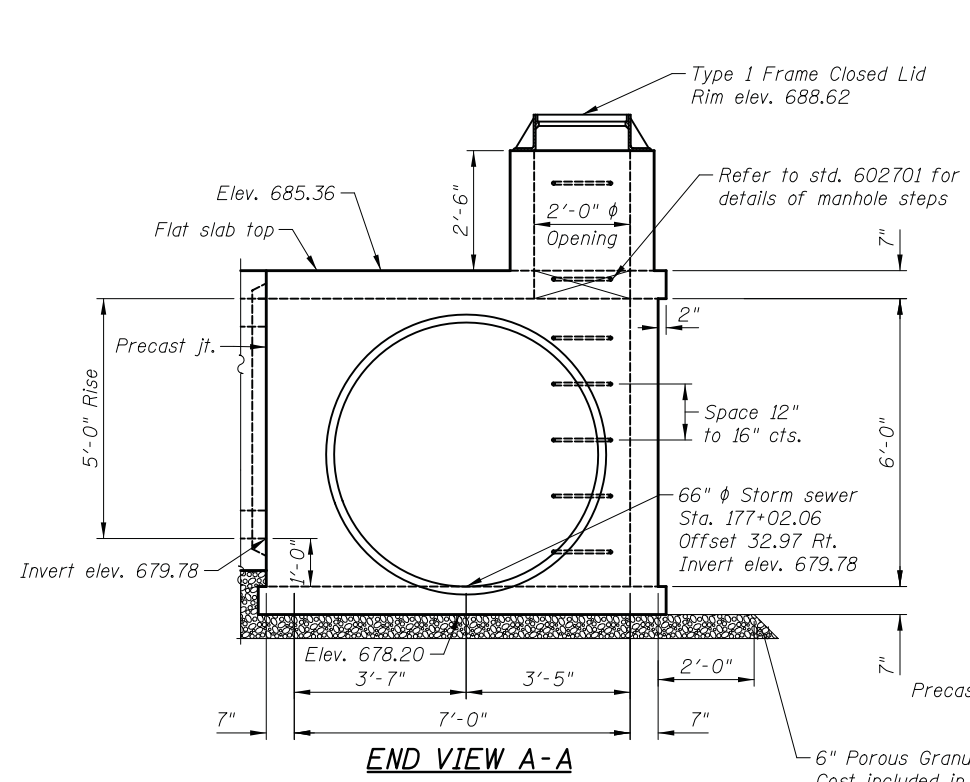
PRECAST CONCRETE BOX CULVERT APRON END SECTION DETAILS
ARMY TRAIL BOULEVARD CULVERT

SHEET NO. S3 OF S5 SHEETS

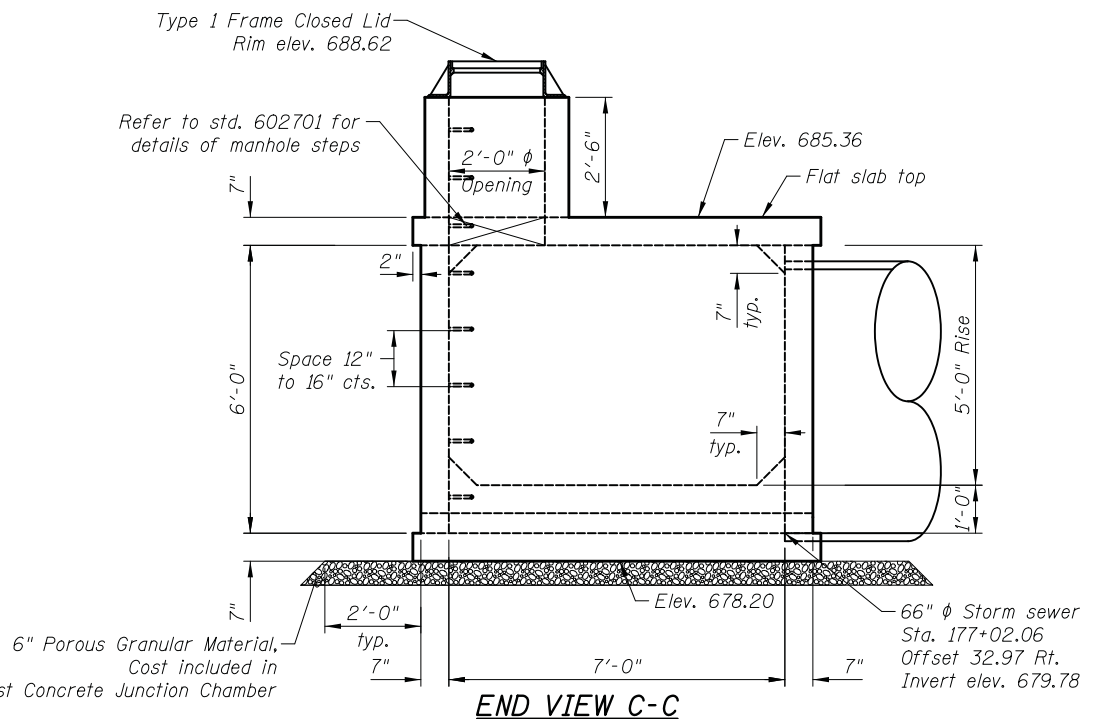
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	60
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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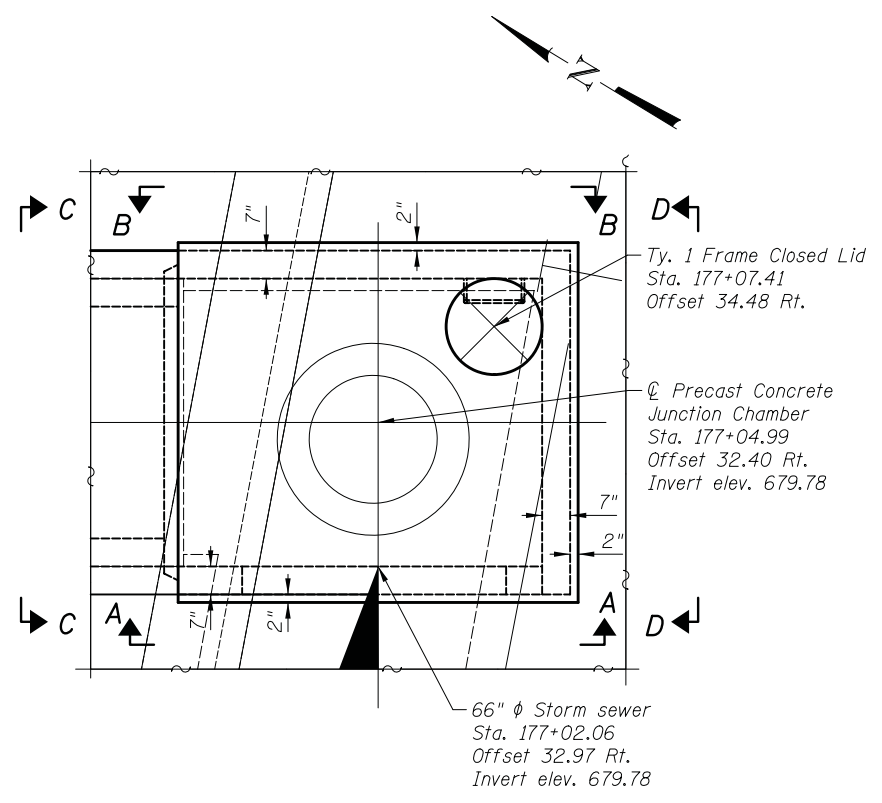
(Sheet 2 of 2)



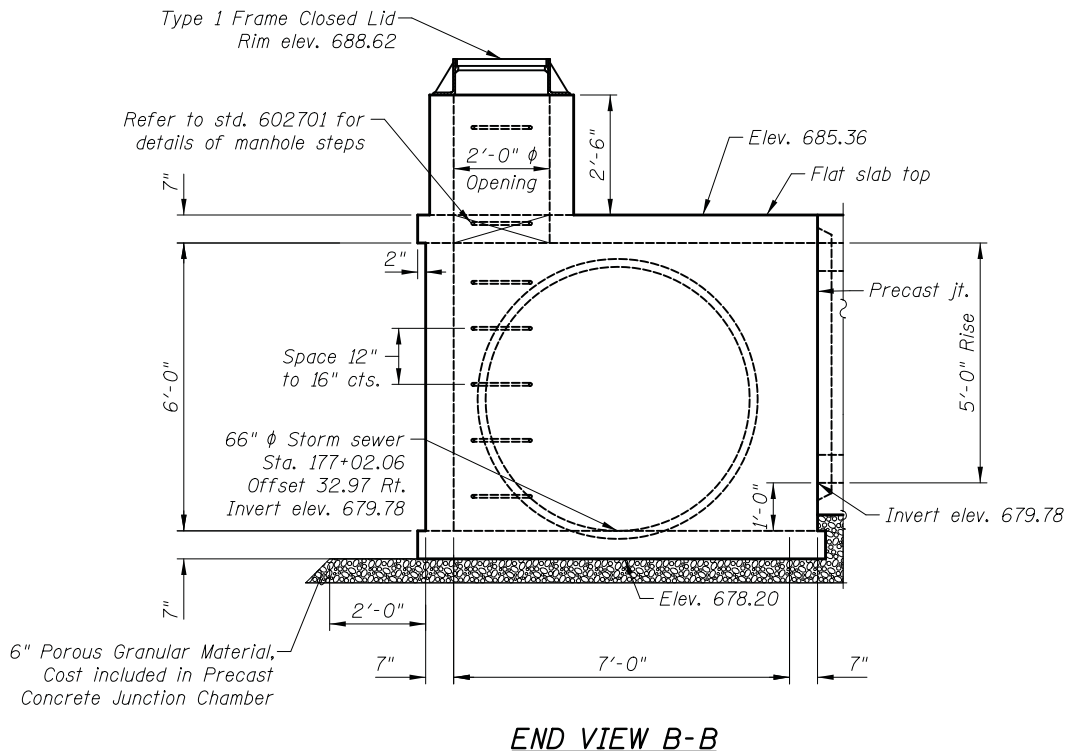
END VIEW A-A



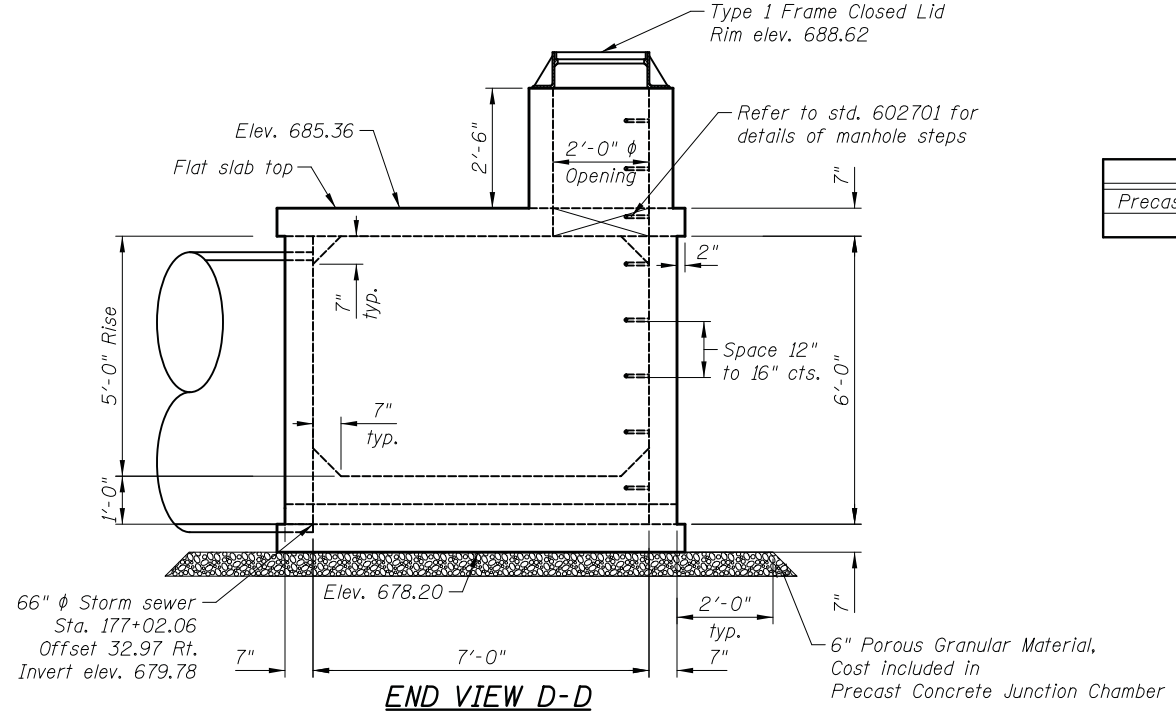
END VIEW C-C



PLAN



END VIEW B-B



END VIEW D-D

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Precast Concrete Junction Chamber	Each	1

- Notes:
1. Precast Concrete Junction Chamber shall be precast with no joints.
 2. The cost of Structure Excavation & Porous Granular Material is incidental to Precast Concrete Junction Chamber.
 3. See Sheet S1 for location of Precast Concrete Junction Chamber.

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DATE	- 11/27/2017	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JUNCTION CHAMBER DETAILS
ARMY TRAIL BOULEVARD CULVERT

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	61
CONTRACT NO. 61E42				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PROJECT: Army Trail Boulevard SITE LOCATION: Addison, Illinois
 BORING LOCATION: Sta. 177+23, 12' R CLIENT: Civiltech Engineering, Inc.

DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE			TESTS			REMARKS
				TYPE/ INTERVAL	NO.	N-VALUE Blows per ft.	Wc %	Dry Unit Weight, pcf	Unconfined Compressive Strength, tsf	
0		PAVEMENT - 11" Bit. Concrete over 4" Granular Base Course	687.7							
2.5		FILL - Black CLAY, A-7-6, very stiff to stiff	686.5	SS	1	8	17	106	3.96	
5		Black CLAY, A-7-6, stiff	682.2	SS	2	4	22		1.75 (Qp)	
7.5		Brown and Grey CLAY, A-6, firm	679.7	SS	3	4	29		1.25 (Qp)	
10				SS	4	3	23			
12.5		Grey CLAY, A-6, very stiff	674.7	SS	5	5	18	105	0.89	
15		End of Boring at 15'	672.7	SS	6	6	19	104	3.26	

WATER LEVEL OBSERVATIONS, ft. DURING DRILLING: None IMMEDIATELY AFTER DRILLING: Dry DELAYED READING AFTER:		BORING STARTED: <u>9/27/17</u> BORING COMPLETED: <u>9/27/17</u> LOGGED BY: <u>GPF</u> BORING METHOD: <u>HSA</u>
---	--	--

Midland Standard Engineering & Testing, Inc. 558 Plate Drive Unit 6, East Dundee, IL 60118 (847) 844-1895 f(847) 844-3875

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DESIGNED - J. SCHROEDER	REVISED -
CHECKED - G. HATLESTAD	REVISED -
DATE - 11/27/2017	REVISED -

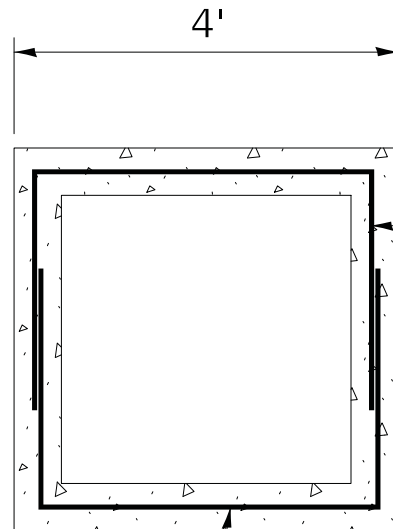
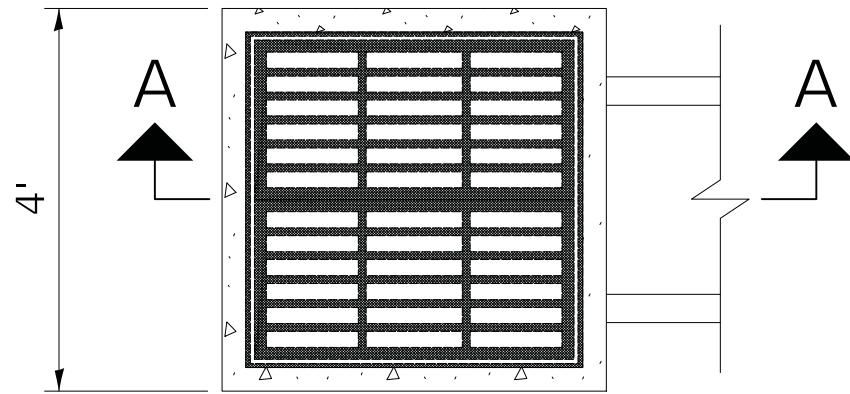
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING
ARMY TRAIL BOULEVARD CULVERT

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	62
CONTRACT NO. 61E42				
SHEET NO. 55 OF 55 SHEETS				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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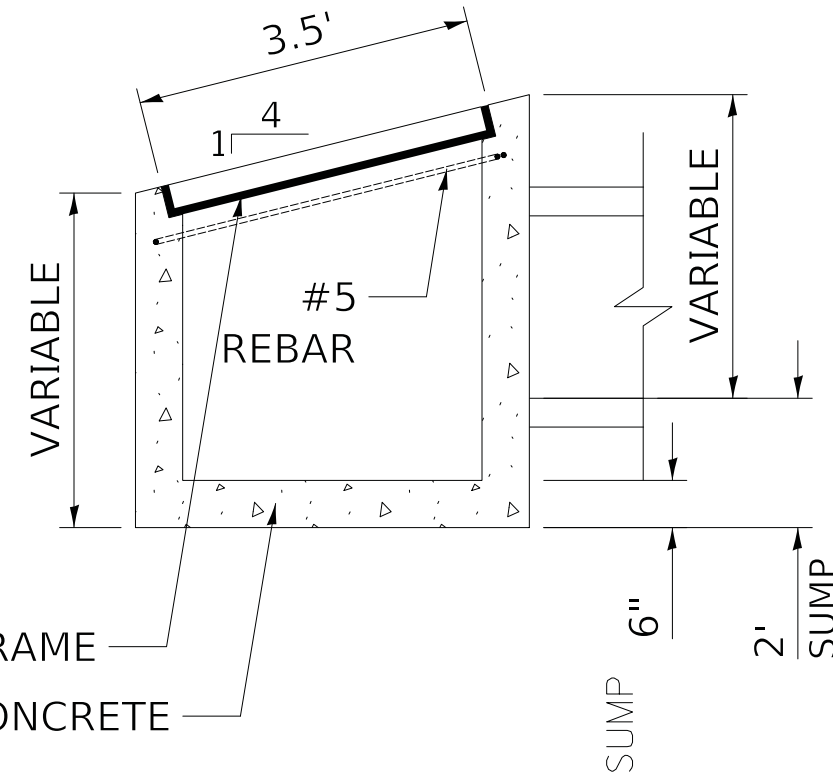
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REBAR PLACEMENT
MINIMUM COVER 2"
MINIMUM OVERLAP 18"

8'6-³/₄" #5 REBAR

8'6-³/₄" #5 REBAR



FLUSH INLET BOX FRAME
PORTLAND CEMENT CONCRETE

SECTION A - A

#5 REBAR (#15 REBAR)
STD. 542546 STEEL FRAME and GRATE

= 17' 1 1/2" DIA.
= 2 EACH

SEE IDOT STD. 542546 FOR
TYPICAL DETAILS OF STD.
FLUSH INLET BOX FOR MEDIAN

INLETS, SPECIAL



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DESIGNED - JRR	REVISED -
DRAWN - TGB	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/07/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

SHEET NO. 1 OF 10 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	63
				CONTRACT NO. 61E42
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
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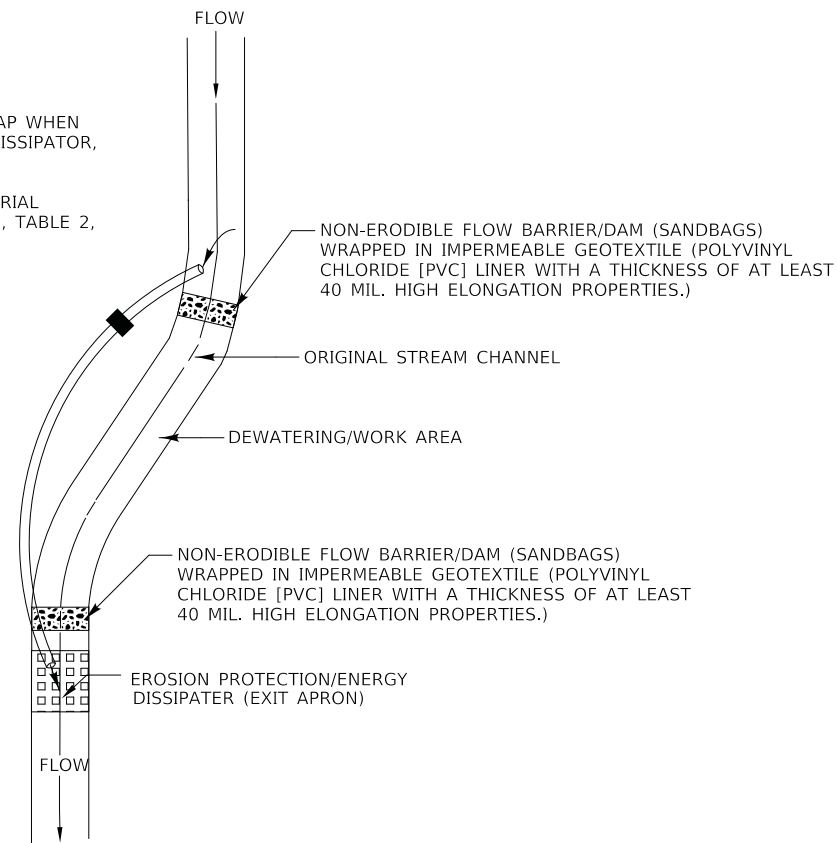
NOTES:

1. PLACE GEOTEXTILE UNDER RIPRAP WHEN RIPRAP IS USED FOR ENERGY DISSIPATOR, OR EROSION CONTROL.
2. GEOTEXTILES SHALL MEET MATERIAL SPECIFICATION 592 GEOTEXTILE, TABLE 2, CLASS 1.

PUMP SIZE:
TO BE SIZED BY CONTRACTOR

EROSION PROTECTION/
ENERGY DISSIPATOR
DETAILS:

GEOTEXTILE UNDER CLASS 3
RIPRAP



TYPICAL PUMPED DIVERSION PLAN

TEMPORARY STREAM DIVERSION – BYPASS PUMP

NOT TO SCALE

NOTE: THIS ITEM SHALL BE INCLUDED IN THE COST OF THE PROPOSED CULVERT BEING INSTALLED.

DATE	
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PROFILE	
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NOTES:

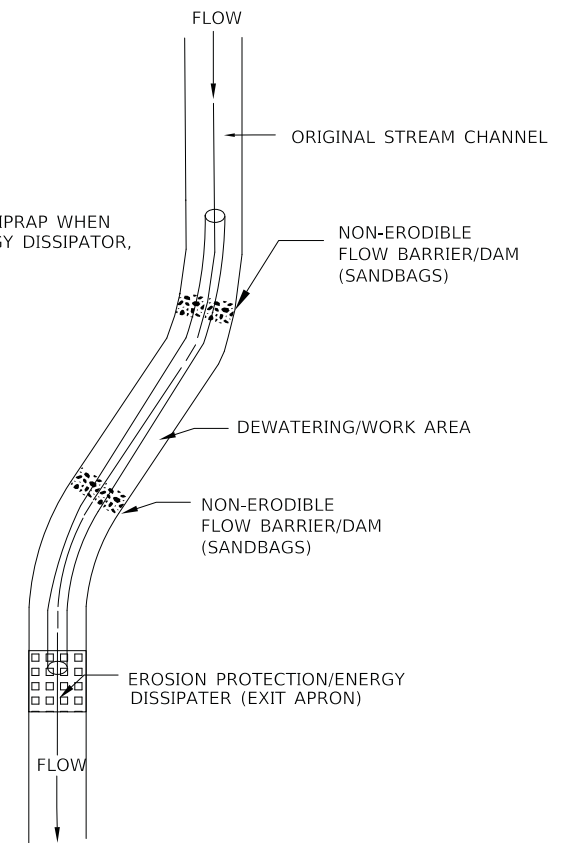
1. PLACE GEOTEXTILE UNDER RIPRAP WHEN RIPRAP IS USED FOR ENERGY DISSIPATOR, OR EROSION CONTROL.

PIPE DIAMETER: 2-15" dia.

PIPE MATERIAL:
CORRUGATED PLASTIC

EROSION PROTECTION/
ENERGY DISSIPATOR
DETAILS:

GEOTEXTILE UNDER CLASS 3
RIPRAP



TYPICAL PIPE DIVERSION PLAN

NOT TO SCALE

NOTE: THIS ITEM SHALL BE INCLUDED IN THE COST OF THE PROPOSED CULVERT BEING INSTALLED.



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DESIGNED	- JRR	REVISED	-
DRAWN	- TGB	REVISED	-
CHECKED	- RTM	REVISED	-
DATE	- 12/07/2017	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

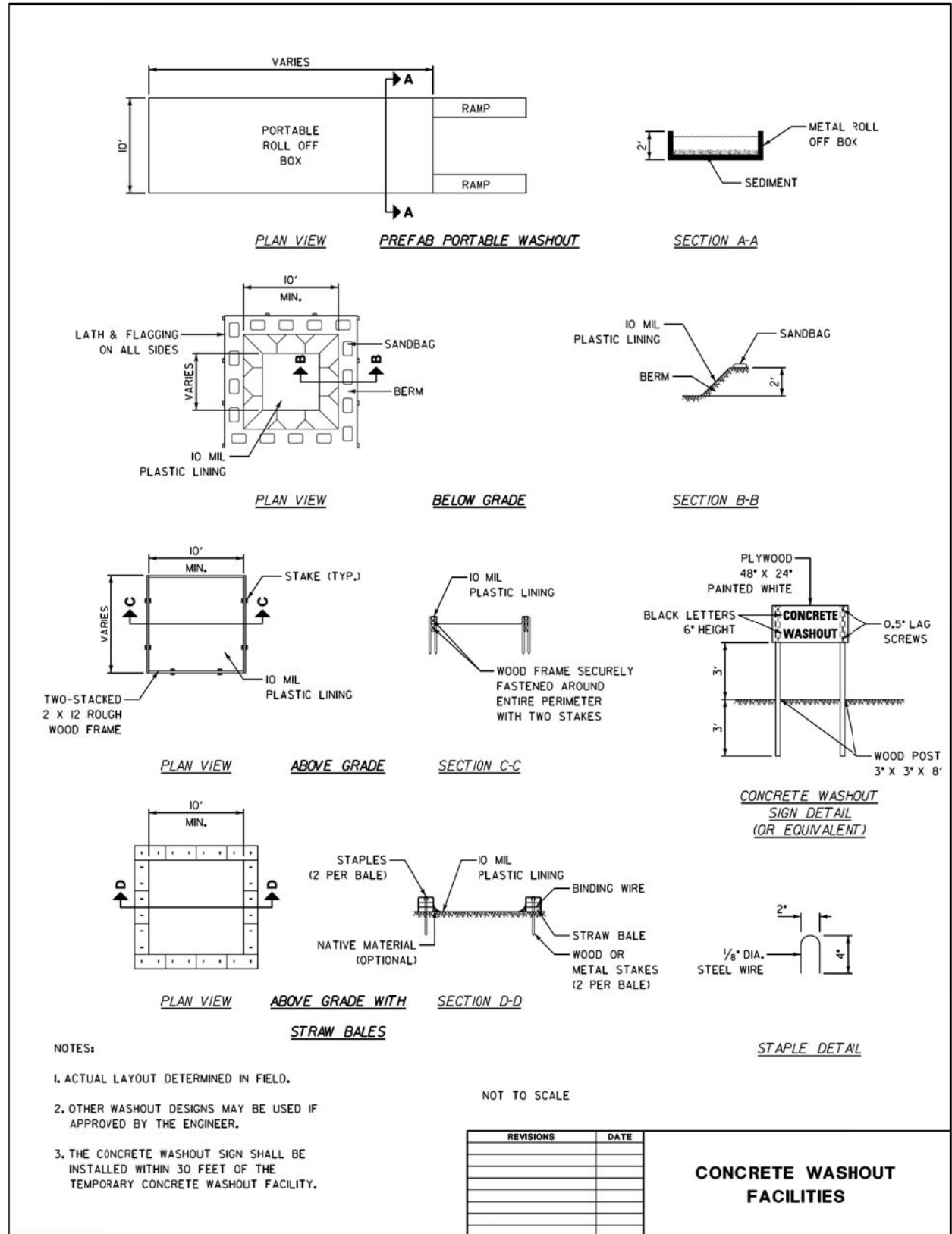
CONSTRUCTION DETAILS

SHEET NO. 3 OF 10 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	65
FED. ROAD DIST. NO. 1				ILLINOIS FED. AID PROJECT
CONTRACT NO. 61E42				

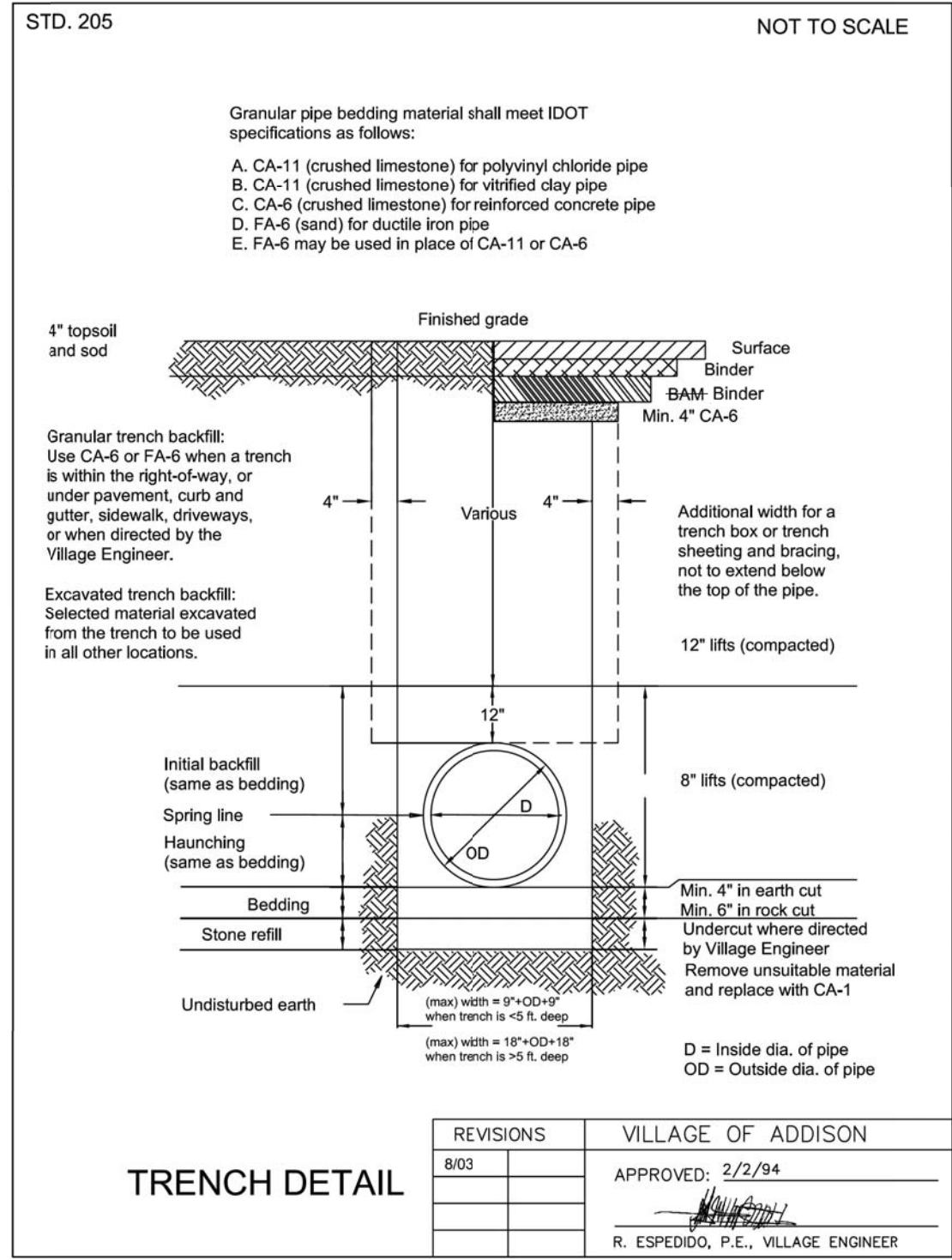
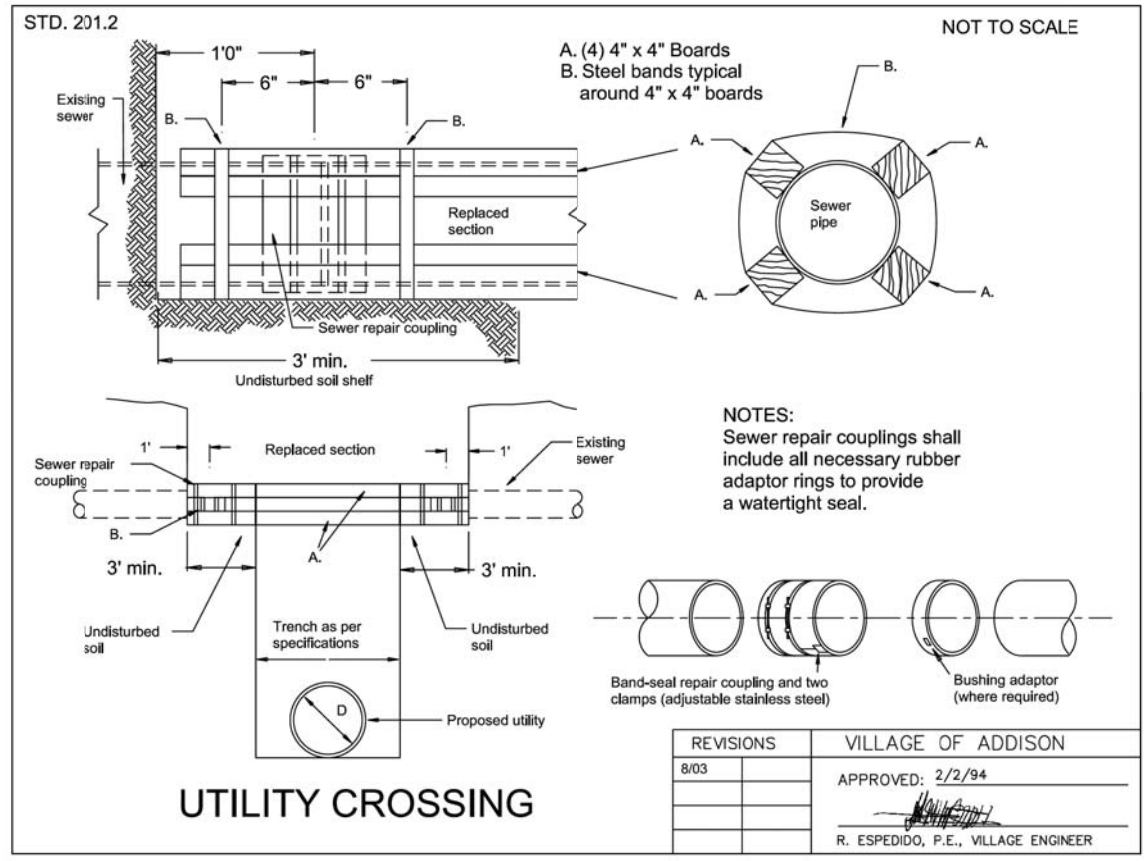
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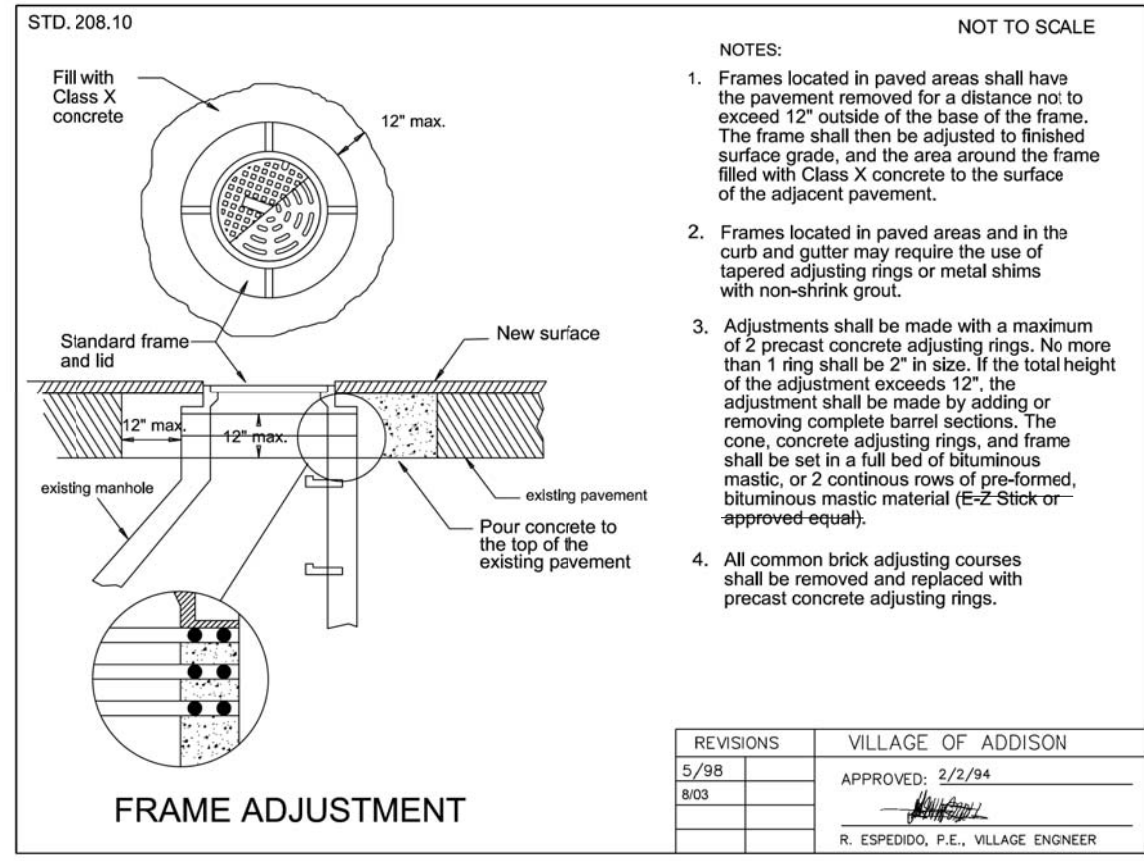
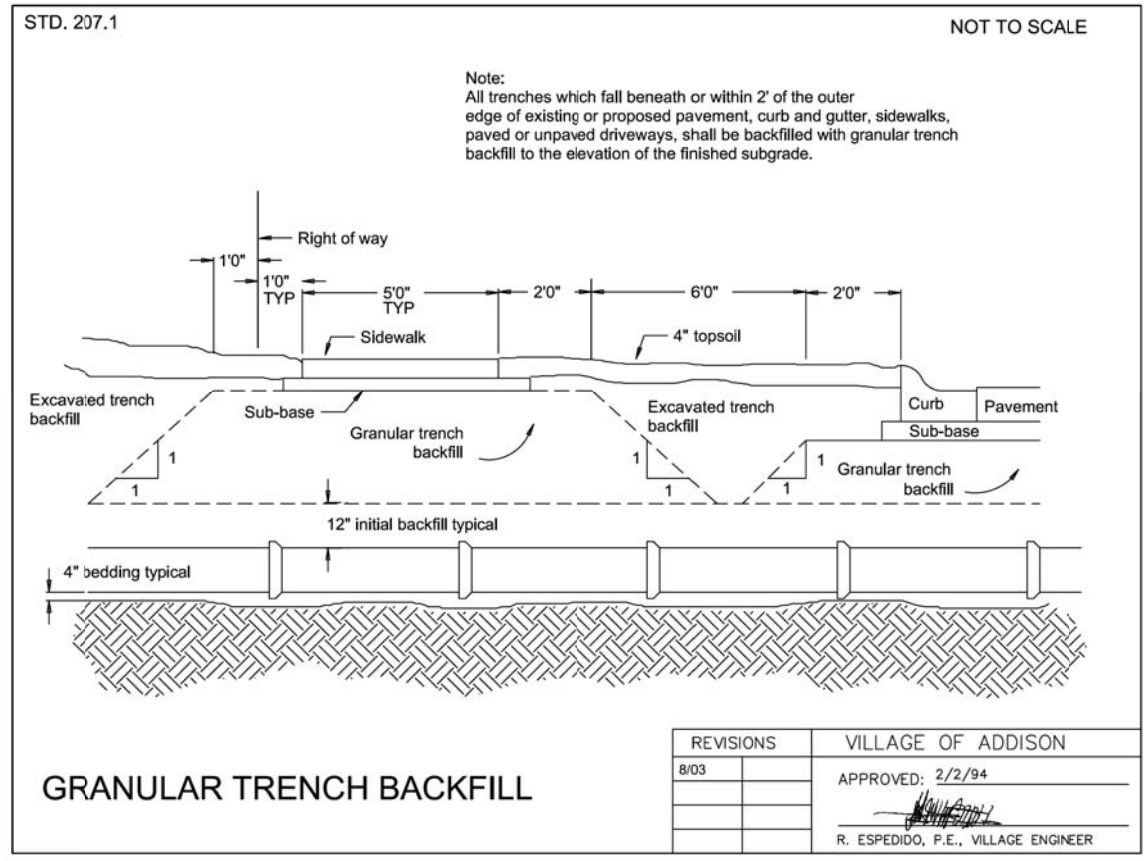


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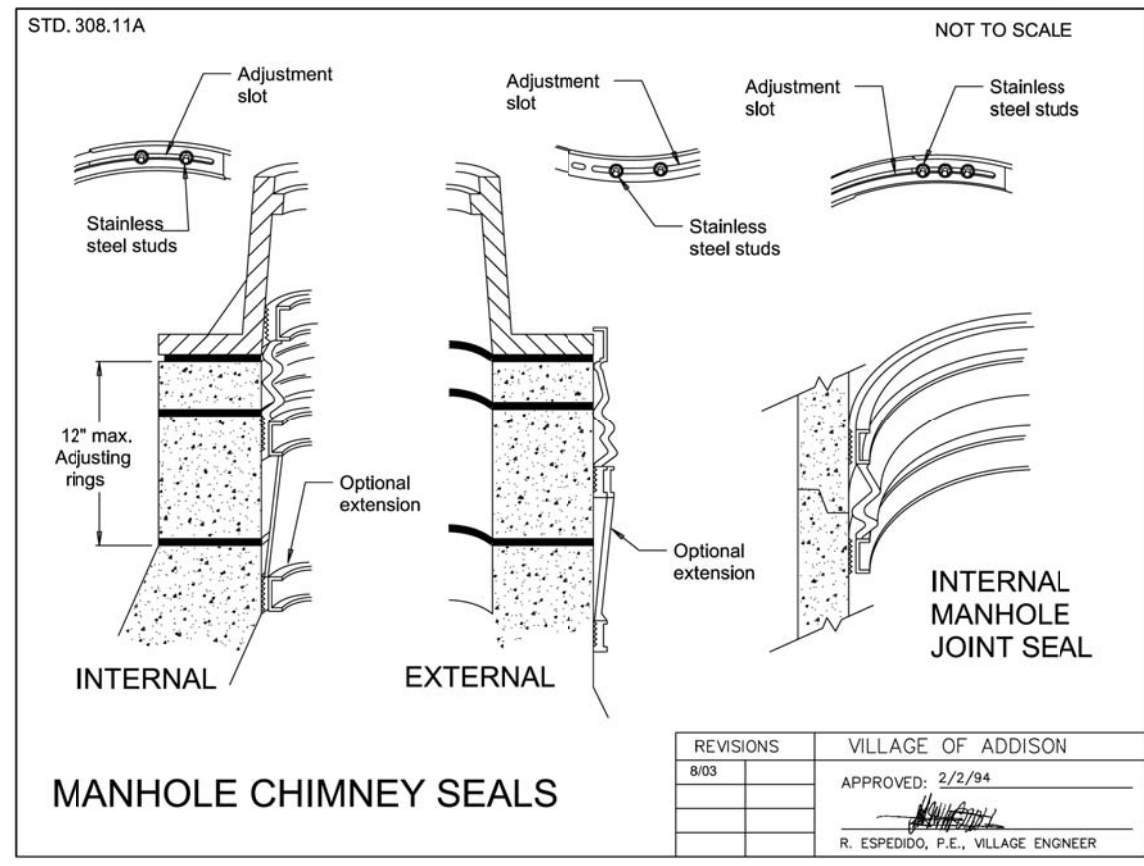
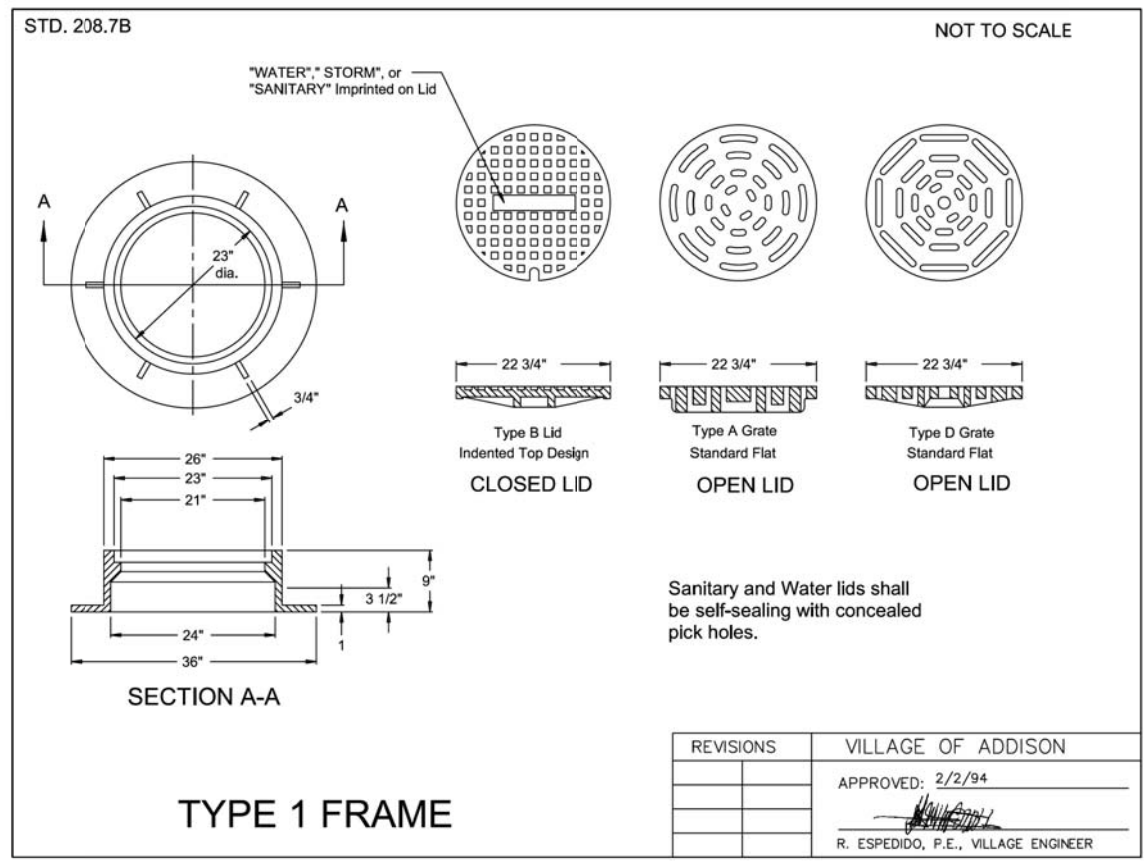
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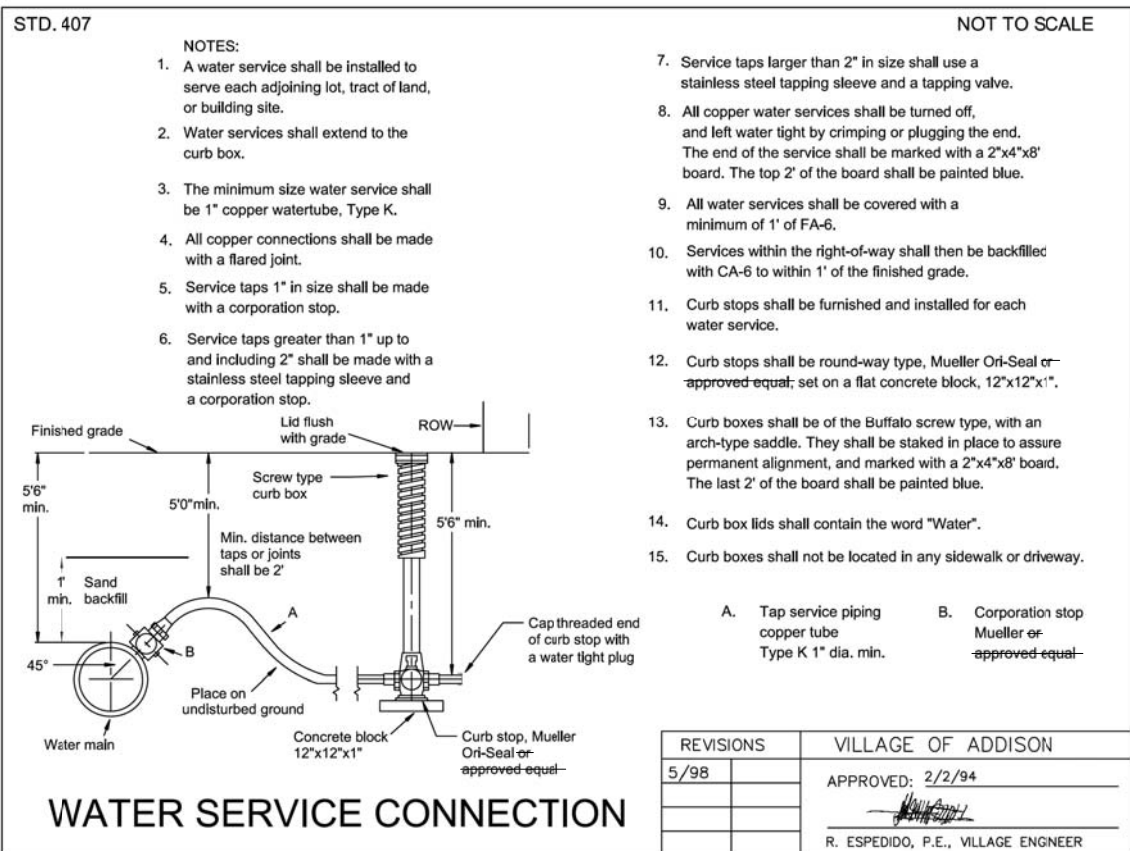
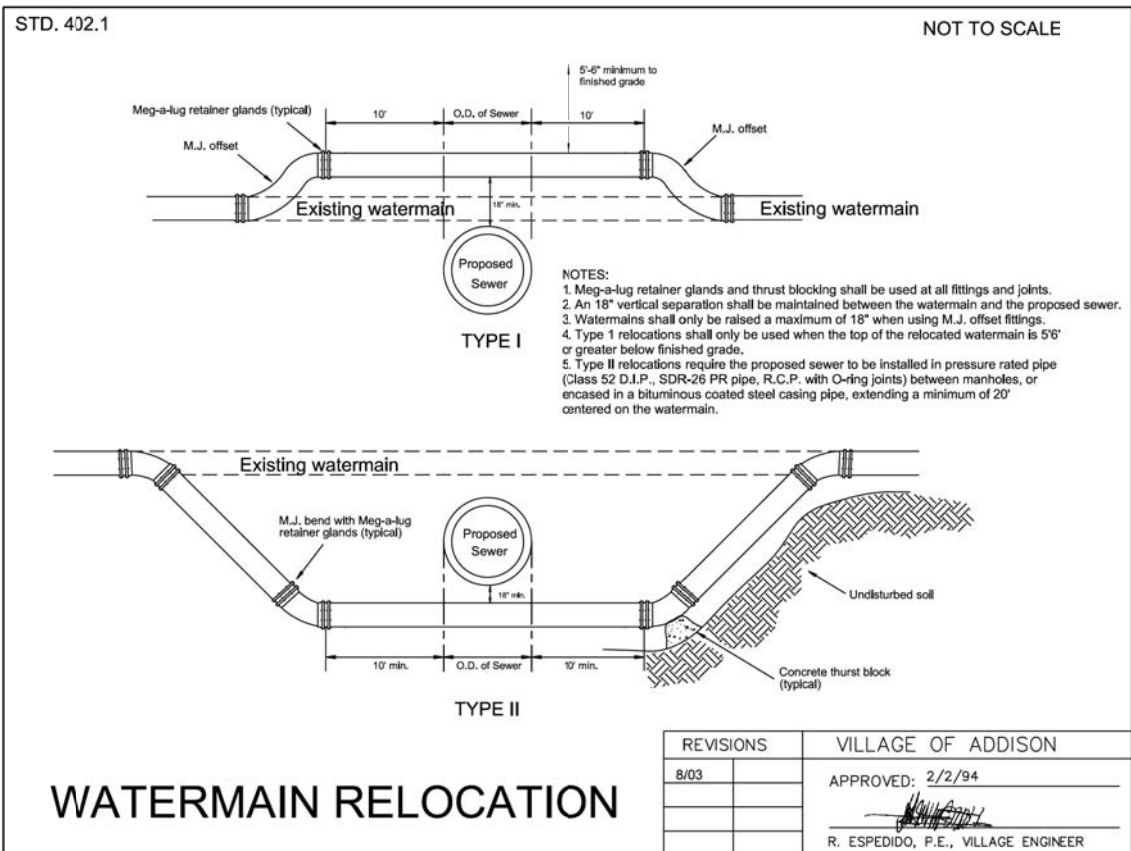
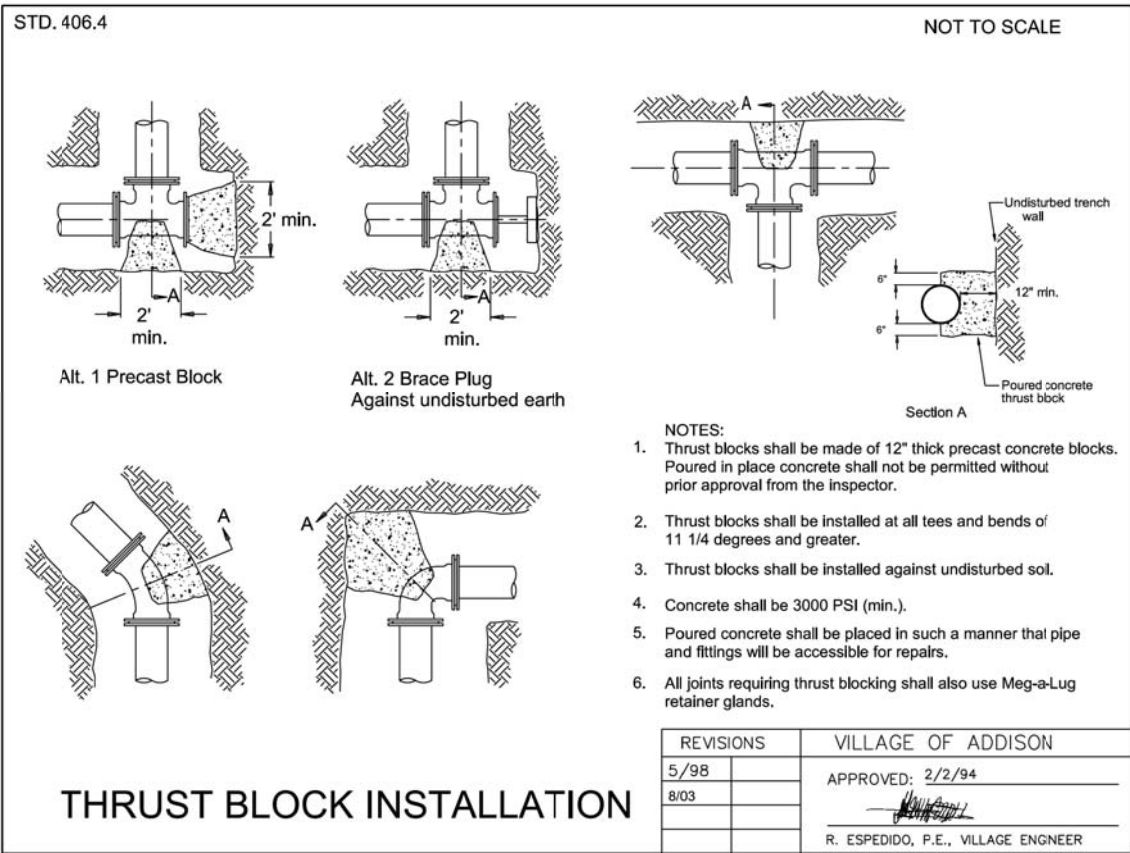
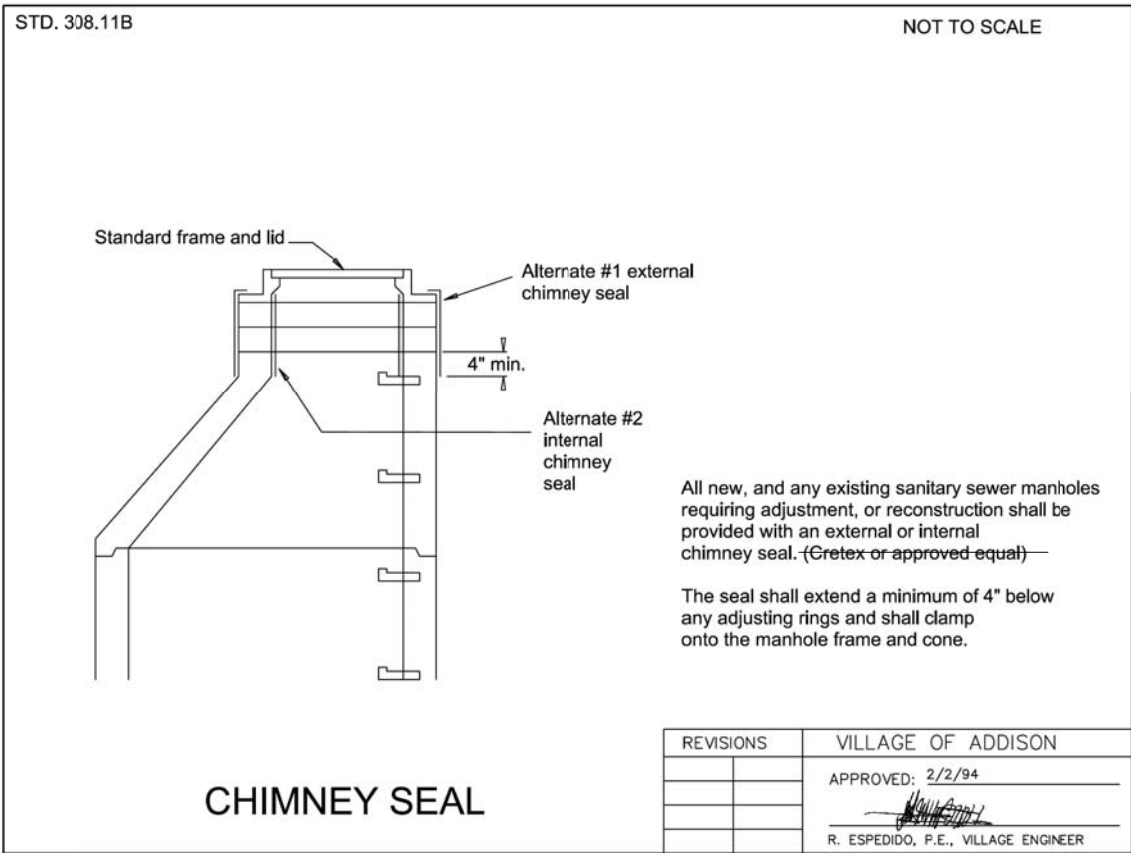


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STD. 408 NOT TO SCALE

Notes:

1. Valve vaults shall be precast reinforced concrete units, conforming to ASTM C-478.
2. Openings through which pipes enter the valve vault shall be blocked shut using solid concrete blocks, non-shrink or hydraulic grout. Cover the grouted area with a bituminous water proofing compound on the outside only.
3. Precast sections shall be set in a full bed of bituminous mastic, or two continuous rows of pre-formed, bituminous mastic material (E-Z Stick or approved equal) to prevent inflow.
4. Interior joints are to be dressed up with non-shrink or hydraulic grout.

REVISIONS

8/03	
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VILLAGE OF ADDISON
APPROVED: 2/2/94
R. ESPEDIDO, P.E., VILLAGE ENGINEER

STD. 501A NOT TO SCALE

NOTES:

1. Concrete shall be Class X, 6 bag mix, with a compressive strength of not less than 3,500 PSI.
2. Sidewalks shall have a minimum thickness of 5".
3. Sidewalks across driveways shall have a minimum thickness of 6".
4. Sidewalks shall be placed on 3" of compacted sub-base.
5. 3/4" expansion joints at 30' on centers.
6. Grooved contraction joints at 5' on centers.
7. Slope sidewalk 1/4" per foot in the direction of drainage.
8. Public sidewalks shall be a minimum of 5' wide.
9. Private residential service walks shall be a minimum of 3' wide.

REVISIONS

8/03	
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VILLAGE OF ADDISON
APPROVED: 2/2/94
R. ESPEDIDO, P.E., VILLAGE ENGINEER

STD. 411 NOT TO SCALE

FIRE HYDRANT SPECIFICATIONS:

1. Fire hydrant - Clow-Eddy F-2640 with breakaway flange.
2. Inlet connection - 6" flanged
3. Main valve opening - 5 1/4"
4. Hose nozzles - (2) 2 1/2"
5. Pumper nozzle - 4 1/2"
6. Thread pattern - National standard
7. Auxiliary valve - 6" Resilient Wedge Gate Valve

Notes:

1. All fire hydrants shall be painted yellow (Dura-King Supreme #457-57 School Bus Yellow Truck, Tractor, and Implement Enamel)
2. The fire hydrant shall open by turning to the left (counter clockwise).
3. All nozzles shall be fitted with cast iron threaded caps securely connected to the fire hydrant with chain.
4. All fire hydrants shall be installed with a locking hydrant tee, and thrust blocking installed behind the hydrant tee.
5. A layer of filter fabric shall be installed over the drain field.
6. Fire hydrants shall be set on a 12"x12"x8" solid concrete block, and a thrust block positioned behind the fire hydrant.
7. Poured in place concrete blocking will not be allowed.
8. A minimum of 1 cu.yd. of washed gravel shall be placed around the fire hydrant.
9. The fire hydrant and auxiliary valve shall be staked in place to assure permanent alignment.
10. Fire hydrants shall be installed in such a manner that the pumper connection faces the street.
11. The auxiliary valve shall be bolted directly to the locking hydrant tee.

REVISIONS

2/97	5/98
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VILLAGE OF ADDISON
APPROVED: 2/2/94
R. ESPEDIDO, P.E., VILLAGE ENGINEER

STD. 501B NOT TO SCALE

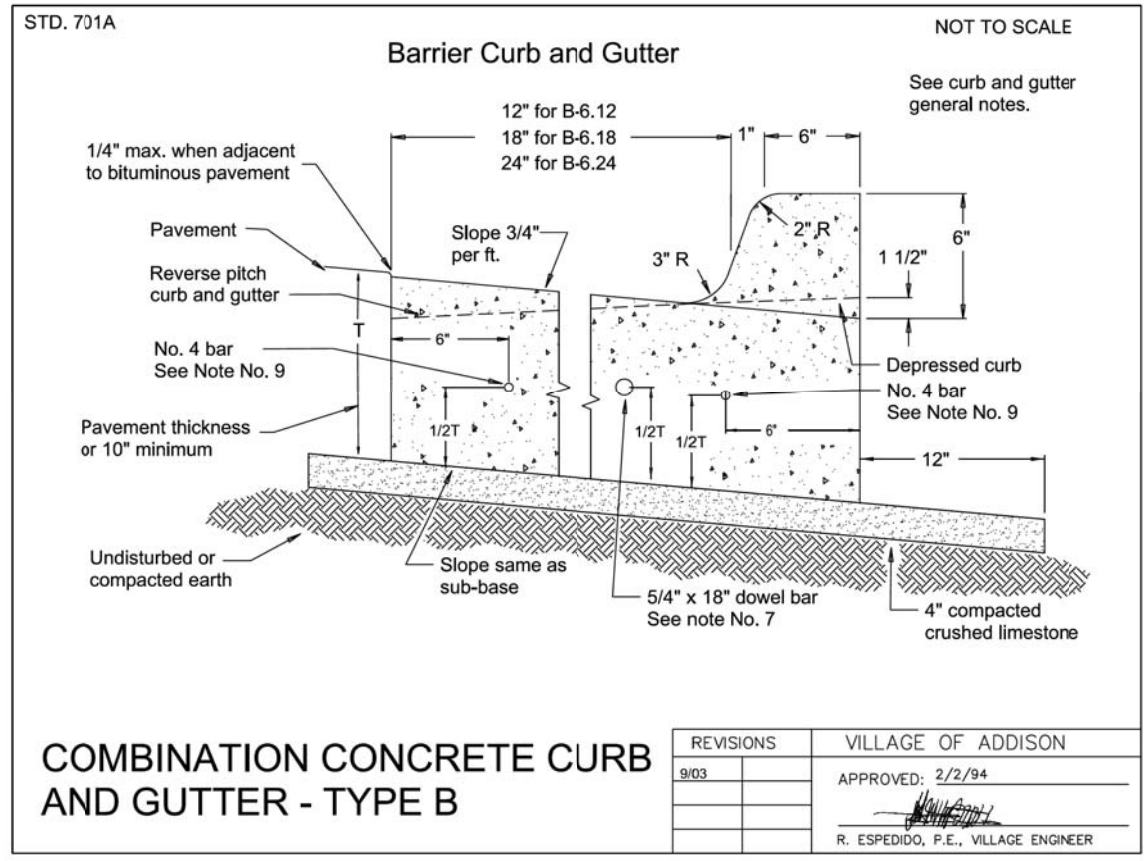
REVISIONS

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VILLAGE OF ADDISON
APPROVED: 2/2/94
R. ESPEDIDO, P.E., VILLAGE ENGINEER

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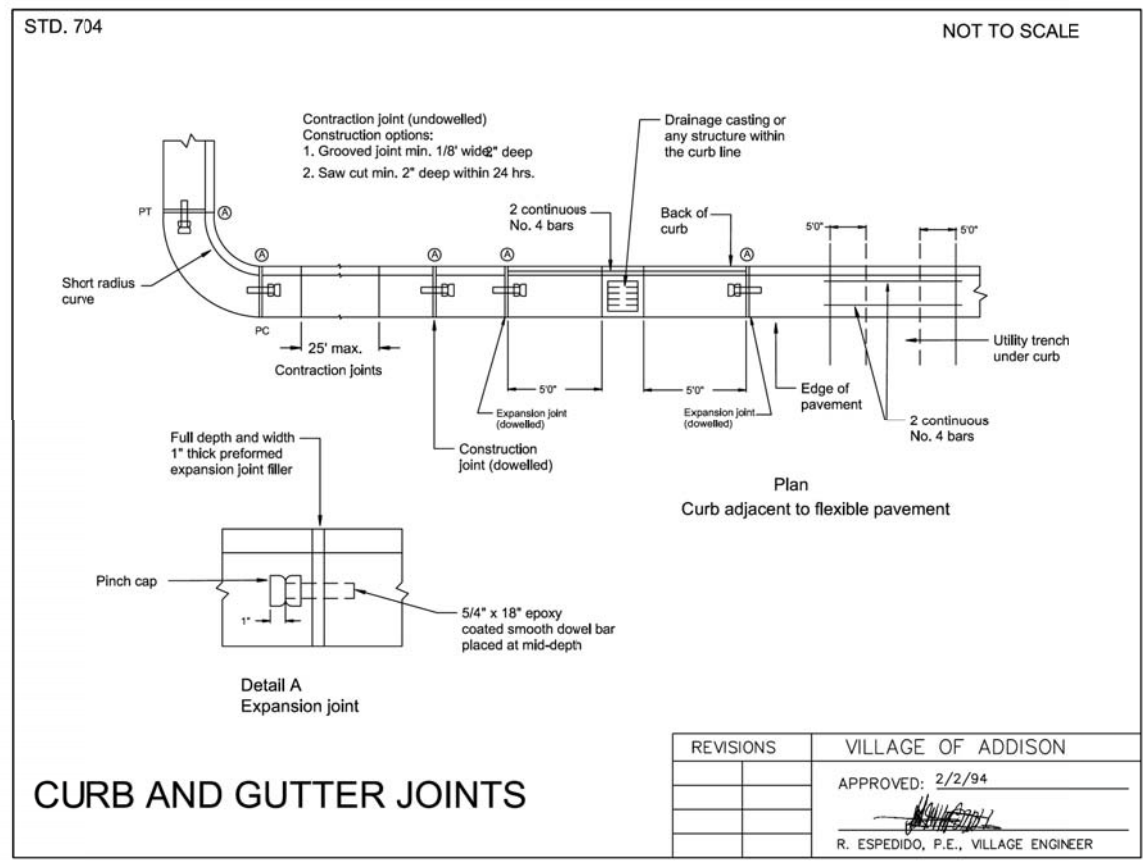


STD. 701D

CURB AND GUTTER GENERAL NOTES

- Thickness: "T" = thickness of the curb or gutter
- Depressed curbs: The top of a curb shall be depressed where it is constructed across a sidewalk, driveway, or where directed by the Director of Community Development. The transition from full height curb to depressed curb shall be at the rate of 3" per foot.
- Sub-grade: Improved sub-grade shall extend 1' outside of the back of curb.
- Sub-base: The sub-base shall consist of 4" of compacted crushed limestone.
- Concrete: Shall be a 6 bag mix, attaining a strength of not less than 3500 P.S.I. in 28 days.
- Contraction joints: Maximum of 25' intervals, grooved or sawcut a minimum of 1/8" wide, and a minimum of 2" deep. Sawing shall be completed within 24 hours of the pour.
- Expansion joints: 1" thick preformed joint filler with a single 5/4"x 18" epoxy coated smooth dowel bar, fitted with a pinch cap, installed 5' on either side of any structure within the curb line, at the PT and PC of a radius, and at the end of each concrete pour. Maximum spacing of 75'.
- Construction joints: Use whenever the placing of concrete is held up for 30 minutes or more. Construction joints shall be installed in the same manner as an expansion joint.
- Steel reinforcement: 2 continuous No. 4 bars centered in the curb over all trench crossings so that the bars extend 5' beyond the trench on all sides.

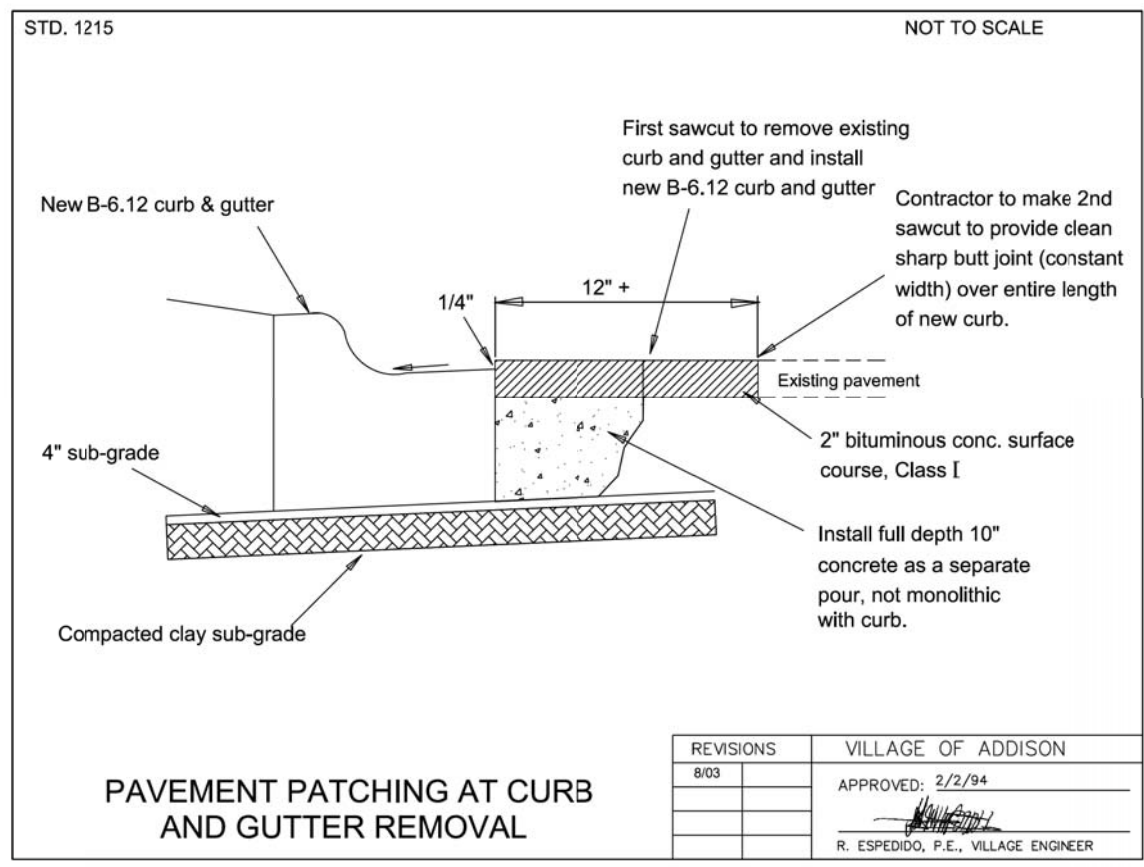
REVISIONS	VILLAGE OF ADDISON
	APPROVED: 2/2/94
	R. ESPEDIDO, P.E., VILLAGE ENGINEER

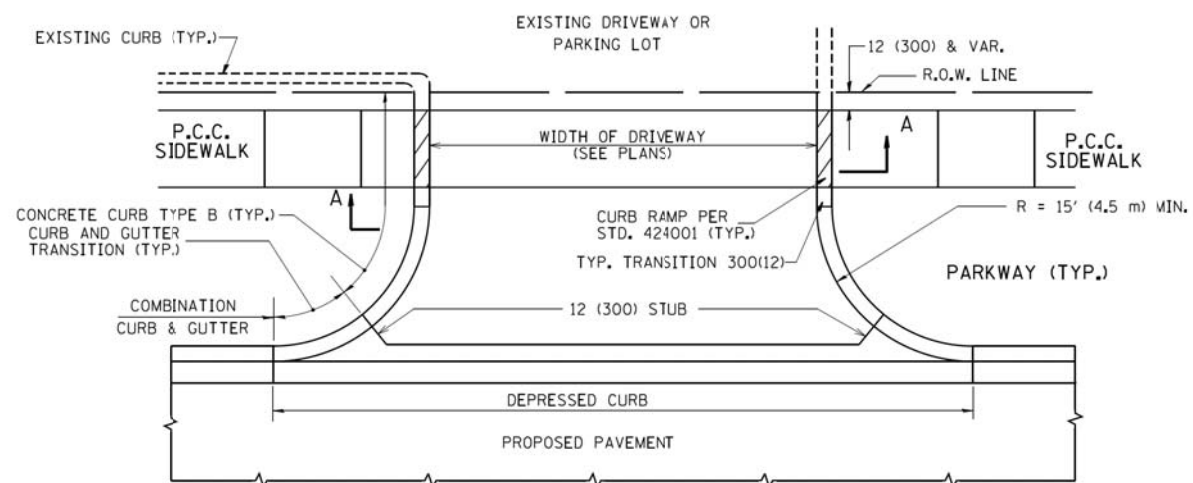


CURB AND GUTTER JOINTS

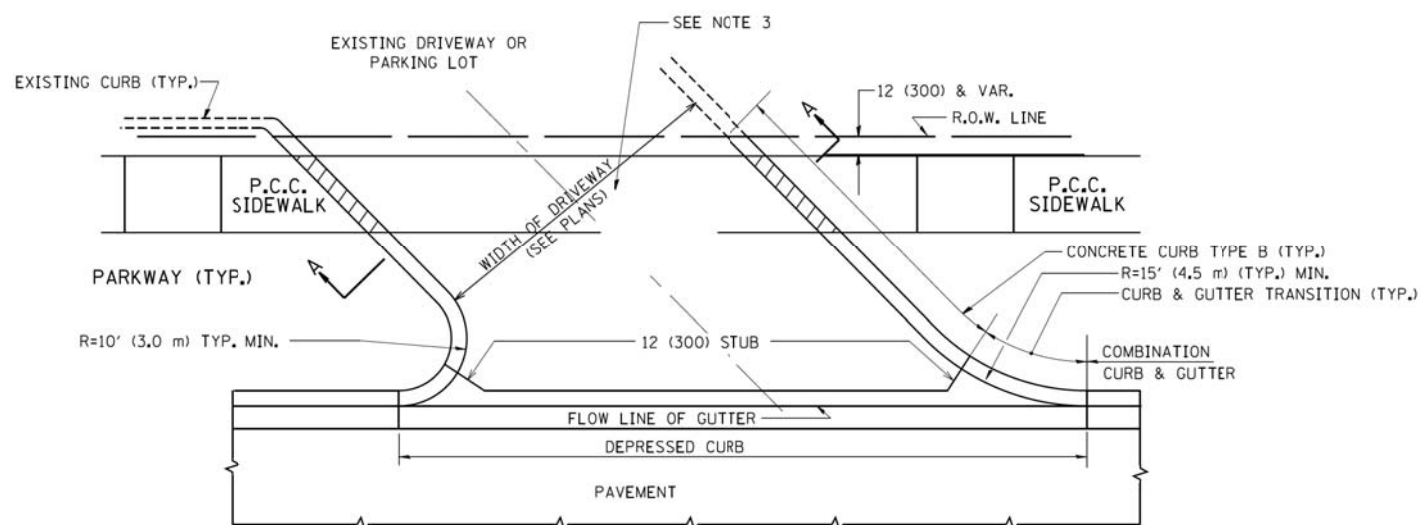
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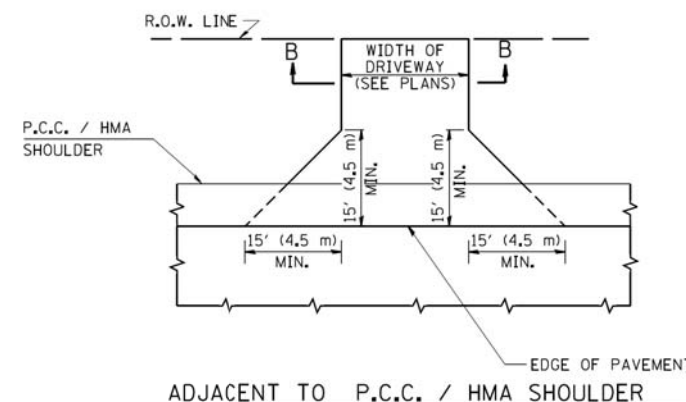




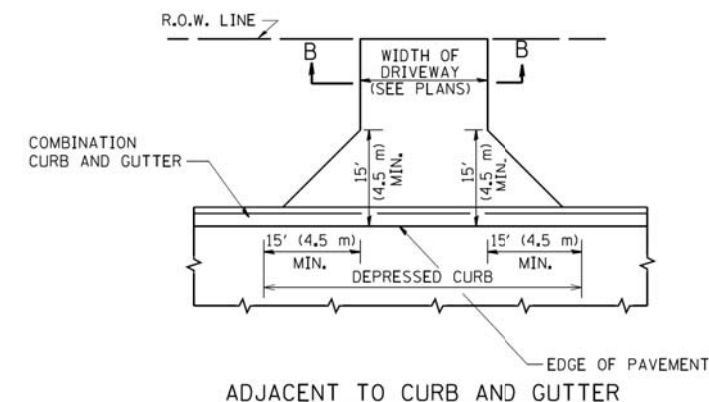
WITH CONCRETE CURB, TYPE B



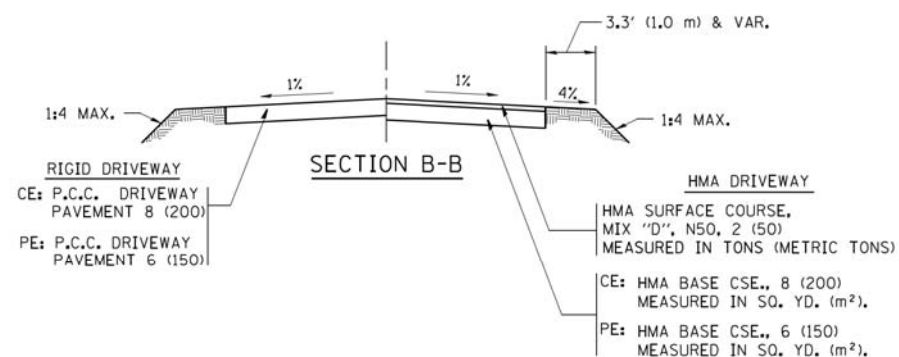
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



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.

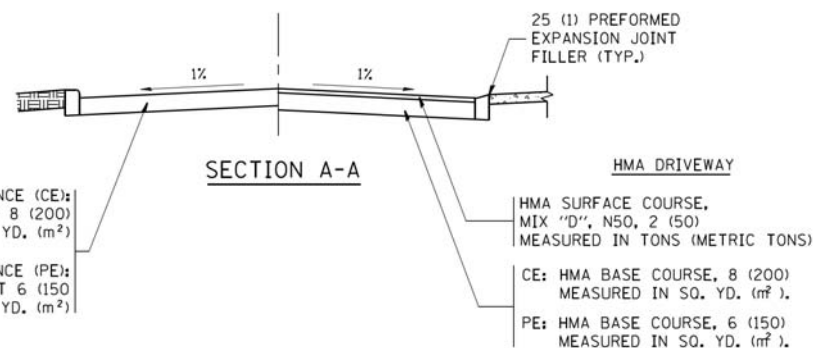
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

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.

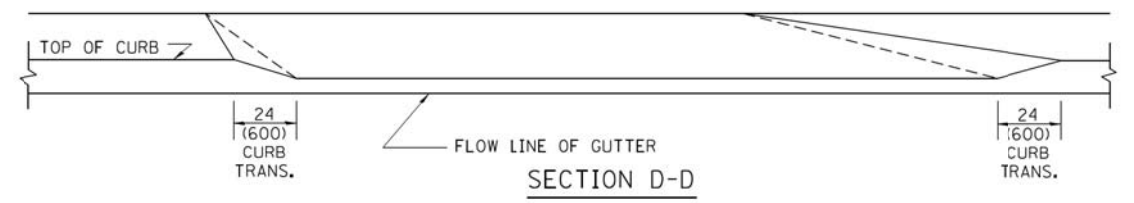
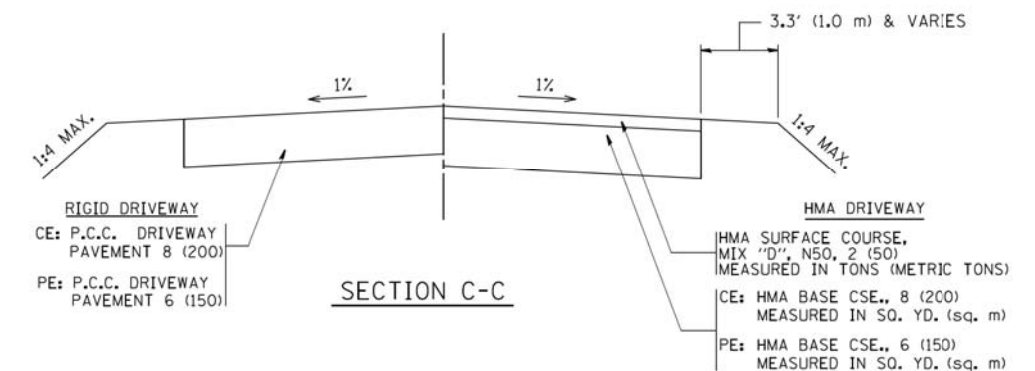
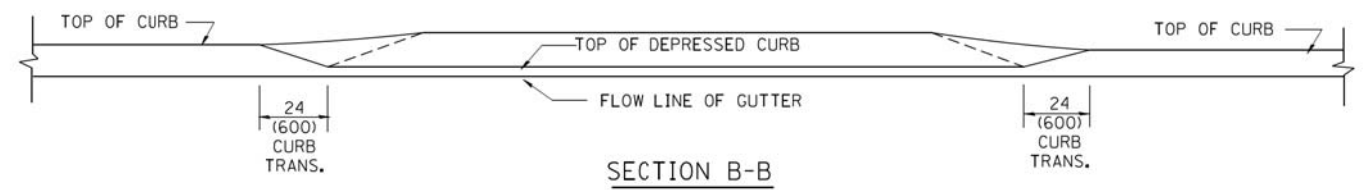
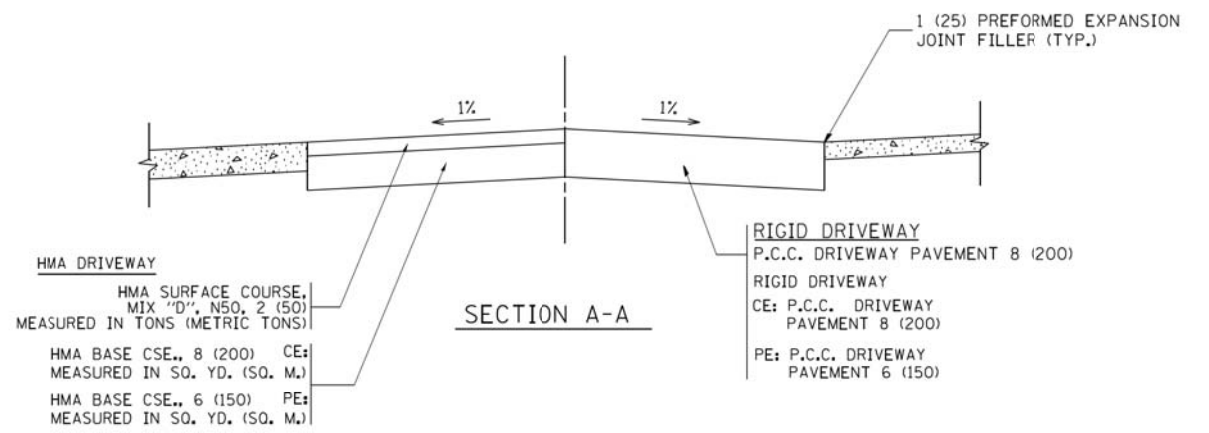
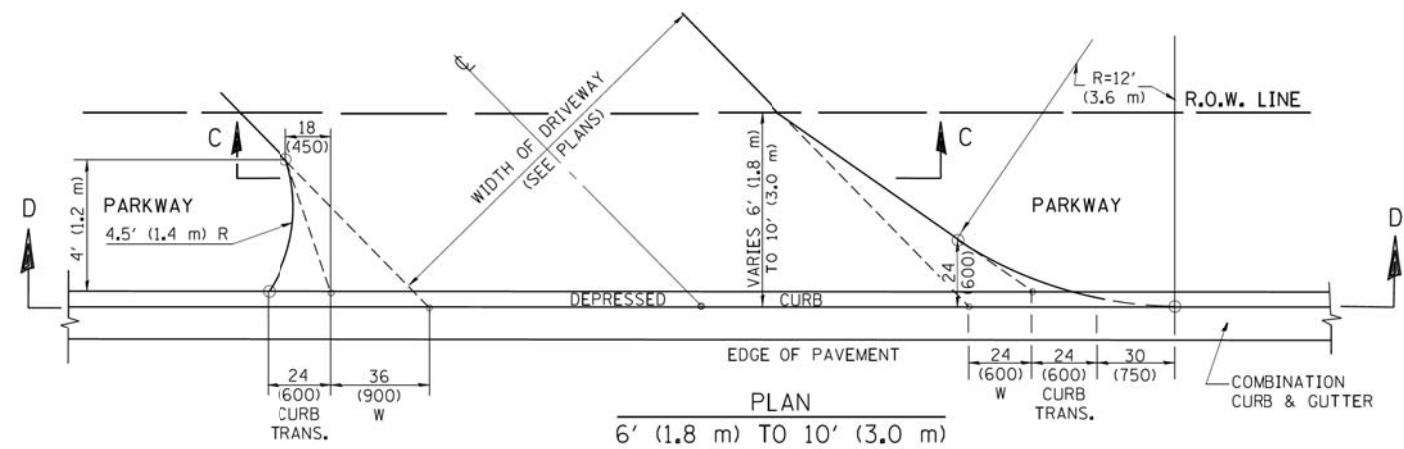
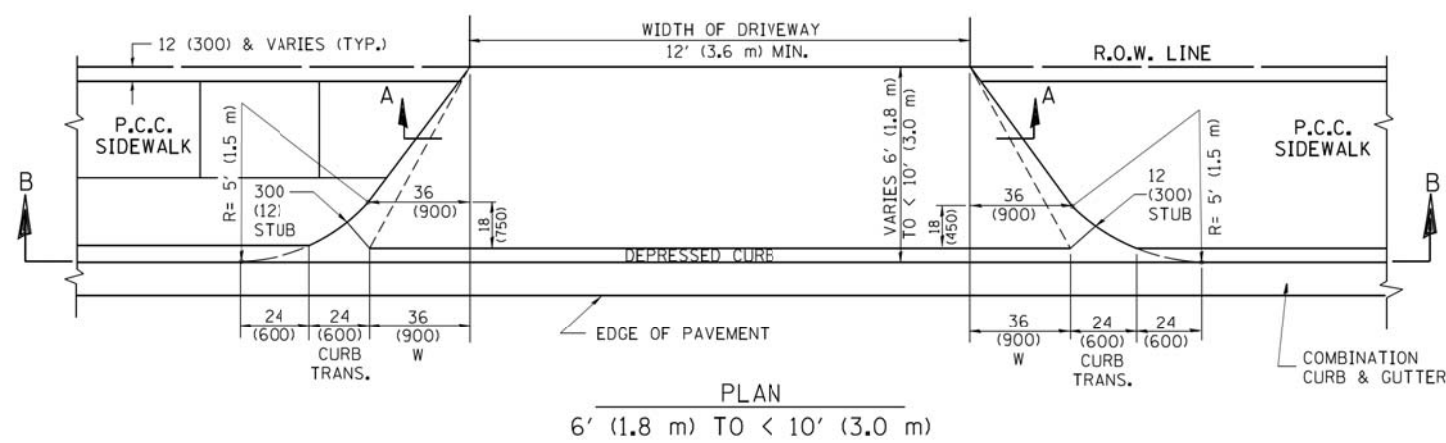
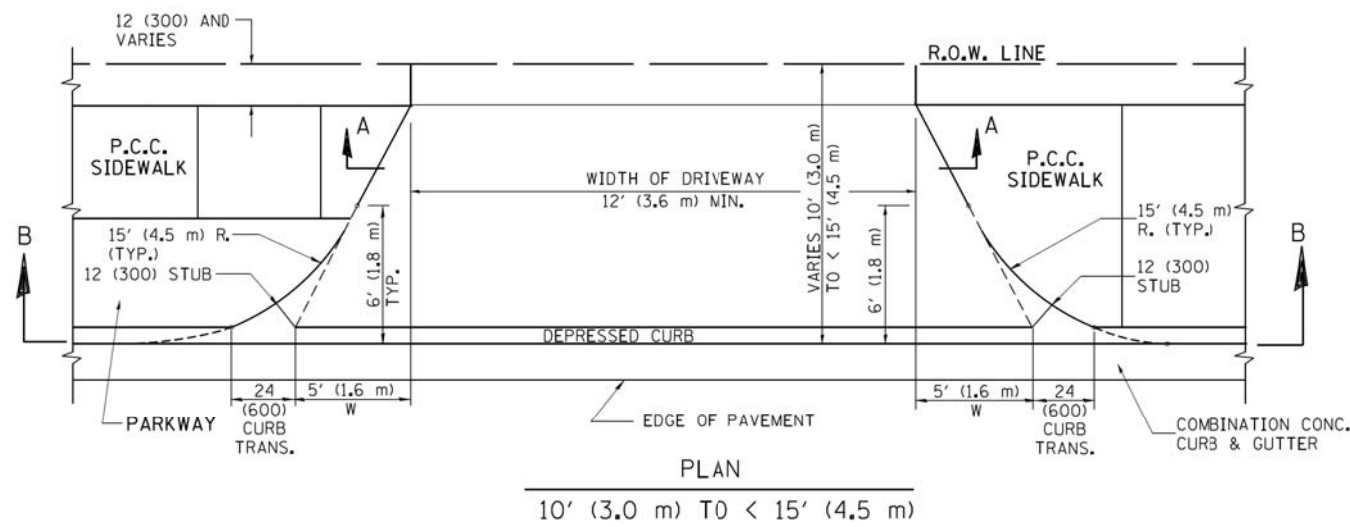


FILE NAME =	USER NAME = lrysa	DESIGNED - R. SHAH	REVISED - P. LoFLUER 04-15-03
ct:\pw\work\p1dot\lrysa\d0108315\bd01.dgn		DRAWN -	REVISED - R. BORO 01-01-07
		CHECKED -	REVISED - R. BORO 06-11-08
		DATE - 11-04-95	REVISED - R. BORO 09-06-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	73
BD0156-07 (BD-01)			CONTRACT NO. 61E42	
FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT				



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 ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF 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.

THE 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.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

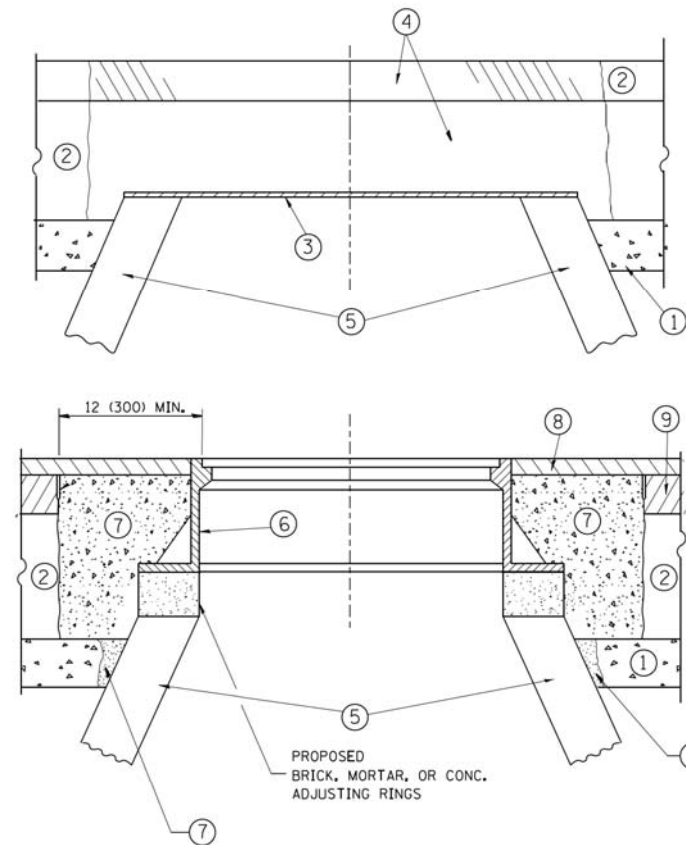
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME = lrysa	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01
ct:\pw\work\pwt\dot\lrysa\d0108315\bd02.dwg		DRAWN -	REVISED - P. LOFLEUR 04-15-03
	PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED - R. BORO 01-01-07
	PLOT DATE = 10/28/2011	DATE - 11-06-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRIVEWAY DETAILS	
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	74
BD400-02 (BD-02)			CONTRACT NO. 61E42	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

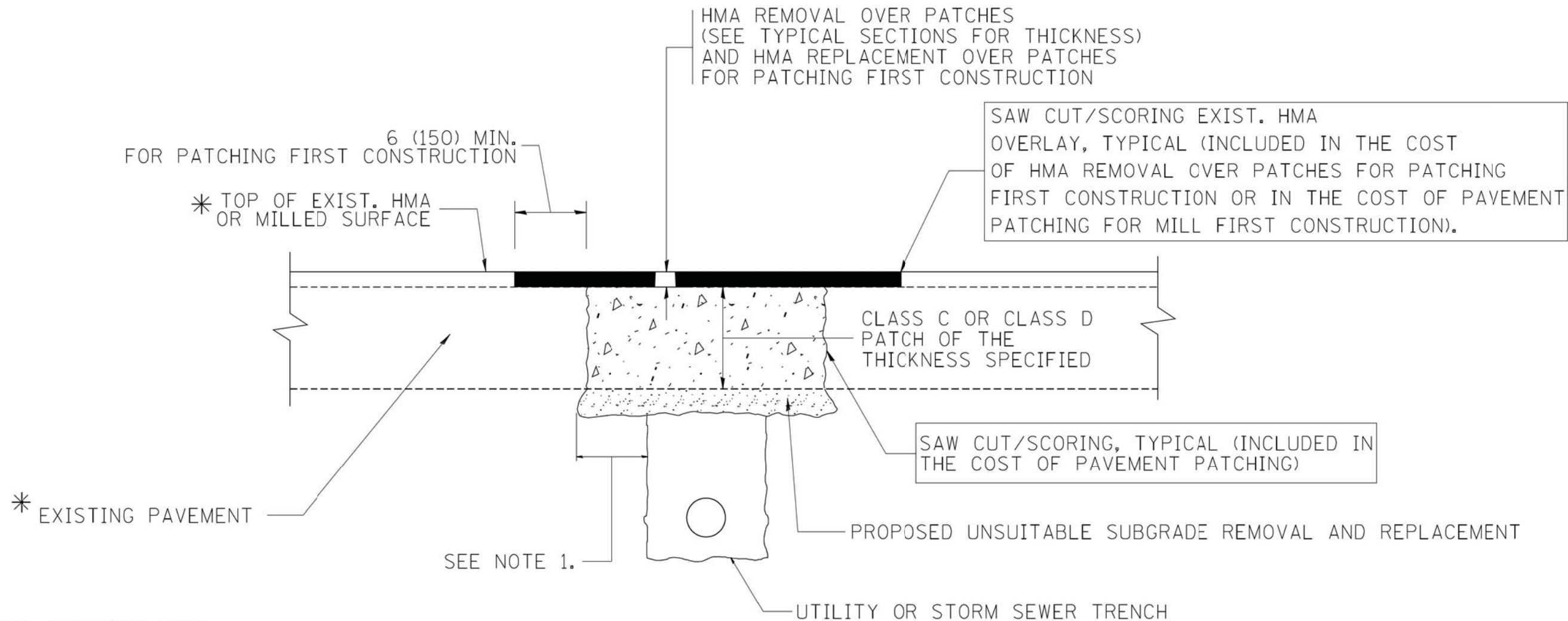
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	PLOT SCALE = 1/68,5000' / m	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 12/6/2011	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**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.
3834	17-00104-00-RS	DUPAGE	84	75
BD600-03 (BD-8)		CONTRACT NO. 61E42		
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 = ct\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.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	3834	17-00104-00-RS	DUPAGE	84	76
		PLOT SCALE = 50.000' / 1"	REVISED - R. BORO 09-04-07		BD400-04 (BD-22)		CONTRACT NO. 61E42						
		PLOT DATE = 10/27/2008	REVISED - K. ENG 10-27-08		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								

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

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

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

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

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.

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.

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.

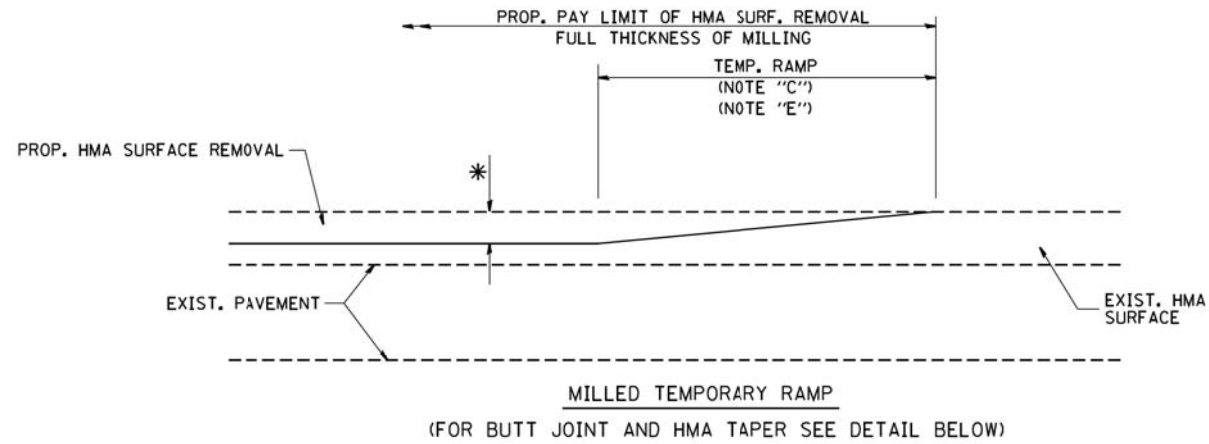
PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

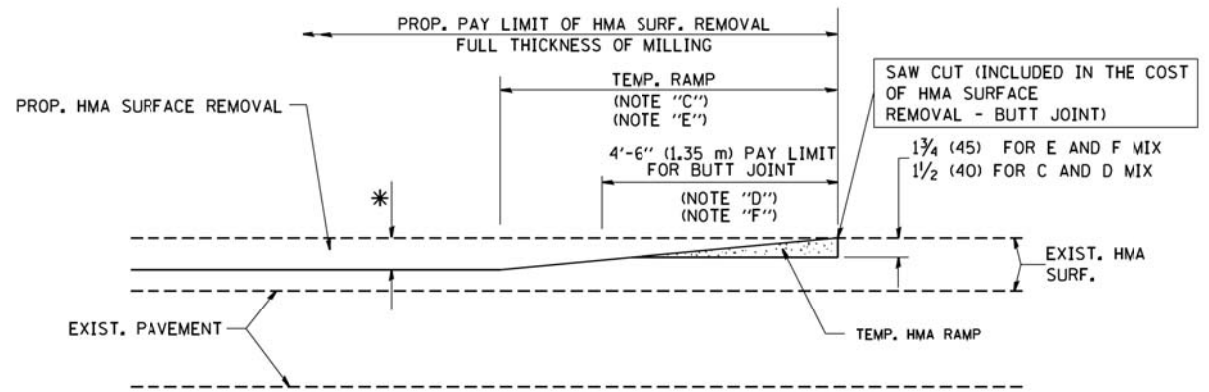
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME *	USER NAME * drvakosgn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT SCALE = 50.000' / IN.		CHECKED -	REVISED - M. GOMEZ 01-22-01			BD600-06 (BD-24)		CONTRACT NO. 61E42			
PLOT DATE = 12/15/2009		DATE - 03-11-94	REVISED - R. BORO 12-15-09			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



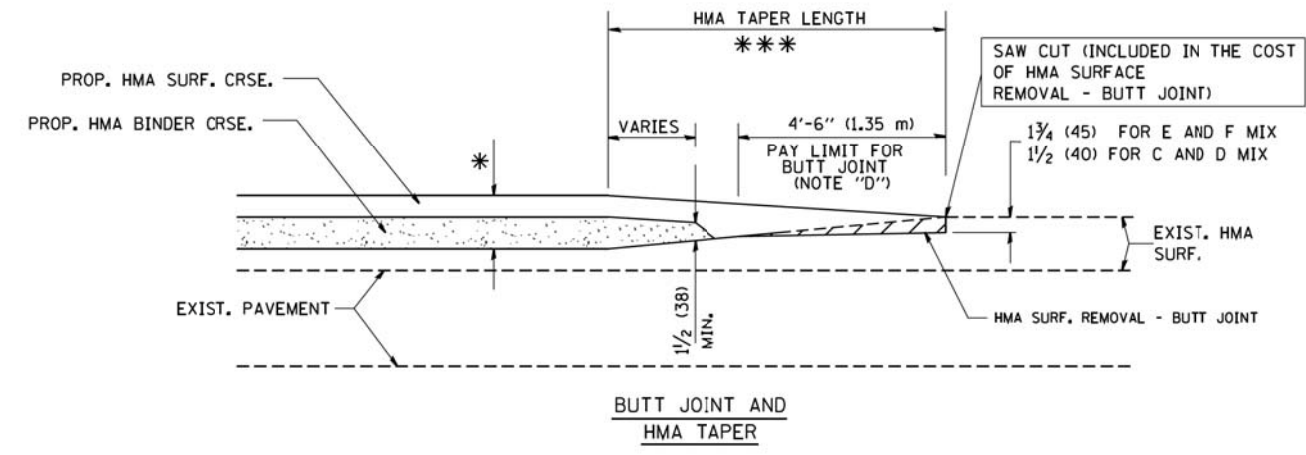
MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

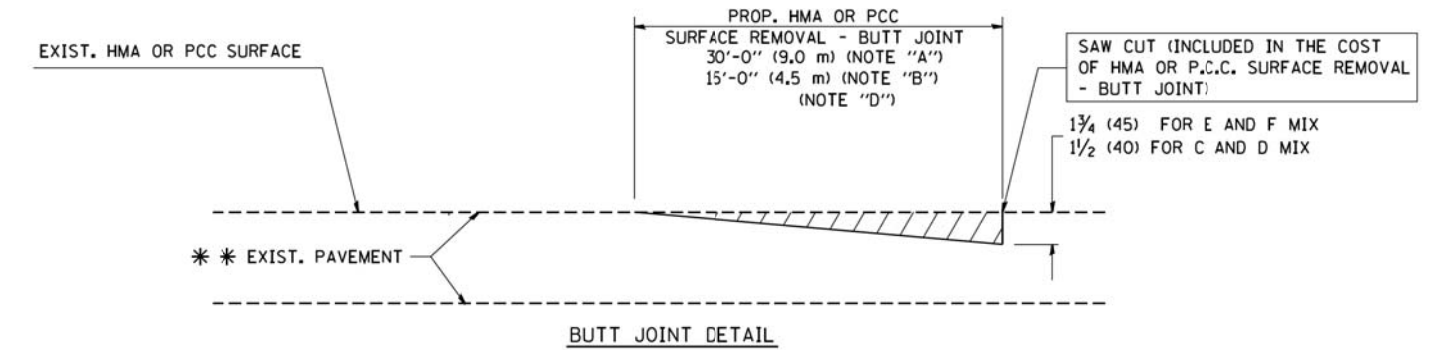


HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

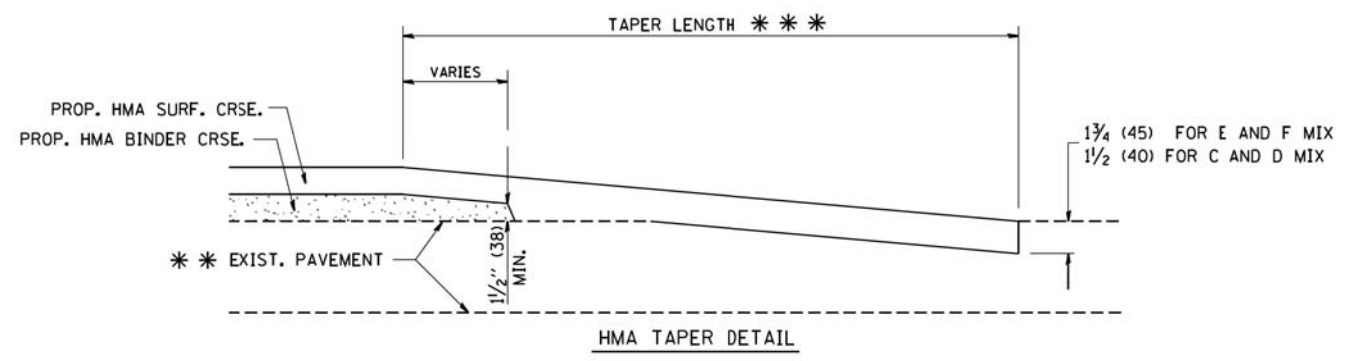
OPTION 2
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

NOTES

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

BASIS OF PAYMENT:

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

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

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

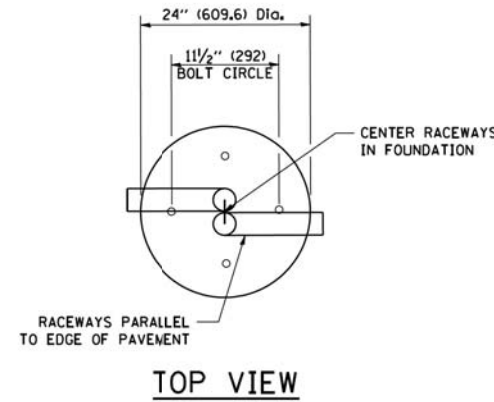
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

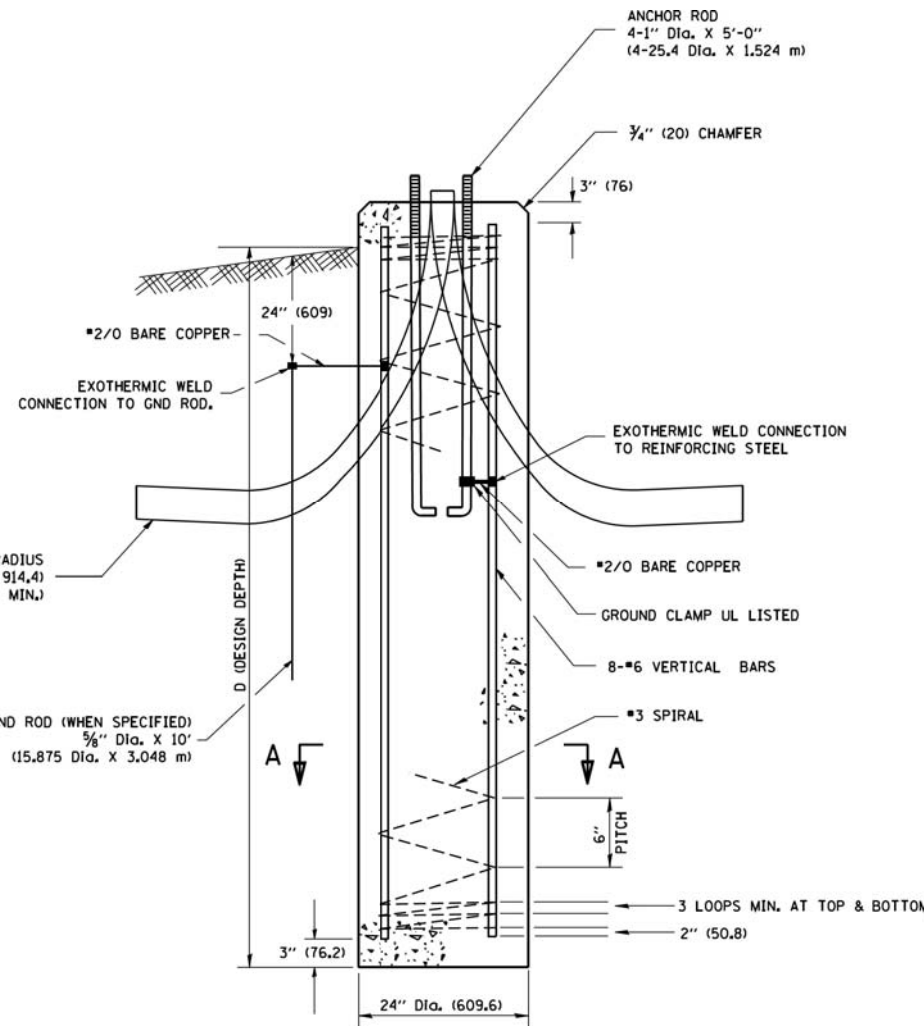
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	78
BD400-05 BD32		CONTRACT NO. 61E42		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LIGHT POLE FOUNDATION DEPTH TABLE
30 FT. (9.144 m) TO 35 FT. (10.668 m) MOUNTING HEIGHT

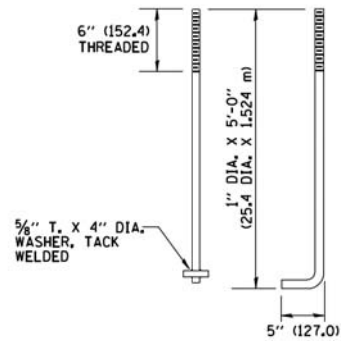
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY O _u = 0.375 TON/SO. FT.	11'-0" (3.35 m)	12'-8" (3.85 m)
MEDIUM CLAY O _u = 0.75 TON/SO. FT.	9'-0" (2.74 m)	14'-10" (4.52 m)
STIFF CLAY O _u = 1.50 TON/SO. FT.	7'-6" (2.29 m)	8'-7" (2.61 m)
LOOSE SAND φ = 34°	9'-6" (2.90 m)	10'-7" (3.22 m)
MEDIUM SAND φ = 37.5°	9'-0" (2.74 m)	9'-10" (2.99 m)
DENSE SAND φ = 40°	8'-3" (2.51 m)	9'-7" (2.91 m)



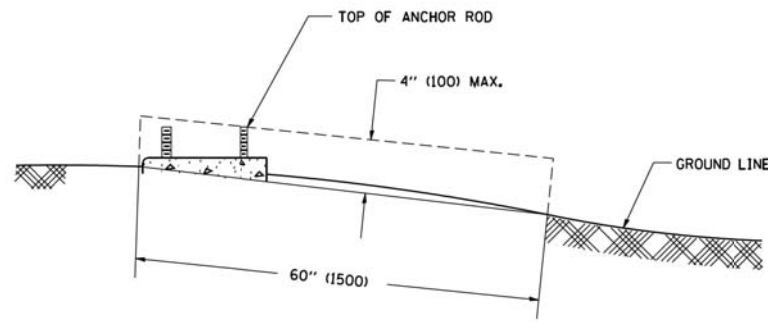
TOP VIEW



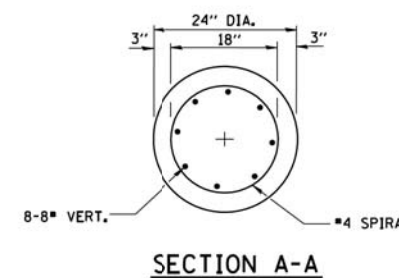
FOUNDATION DETAIL



ANCHOR BOLT DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.

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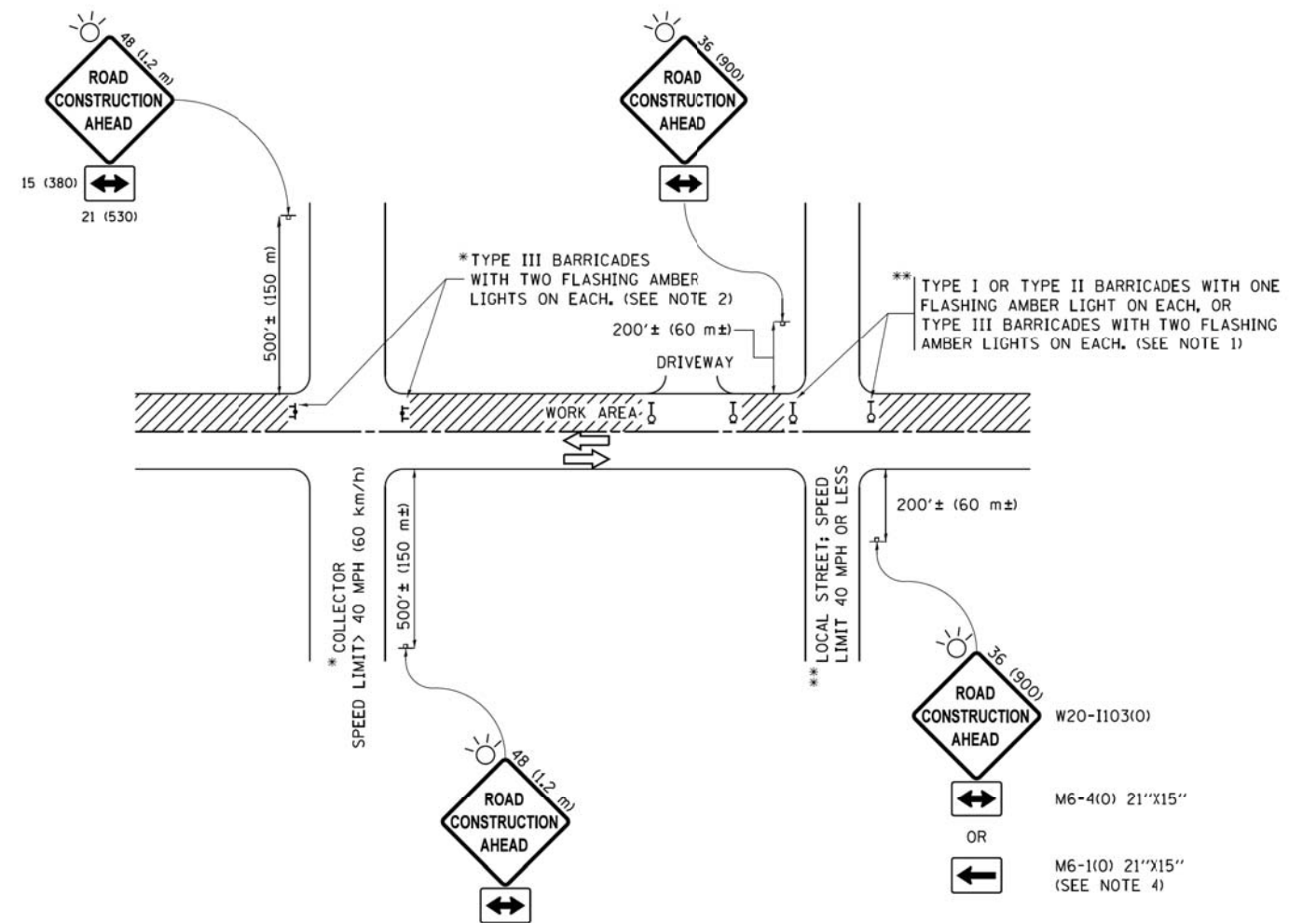
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION
30' (9.144 m) TO 35' (10.668 m) M.H. 11 1/2" (292 mm) BOLT CIRCLE
 SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	79
BE-300			CONTRACT NO. 61E42	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. 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).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

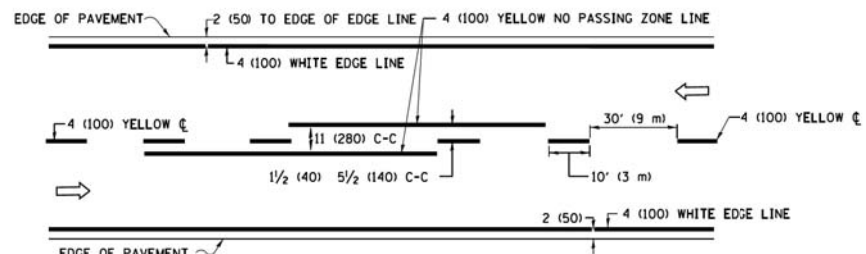
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

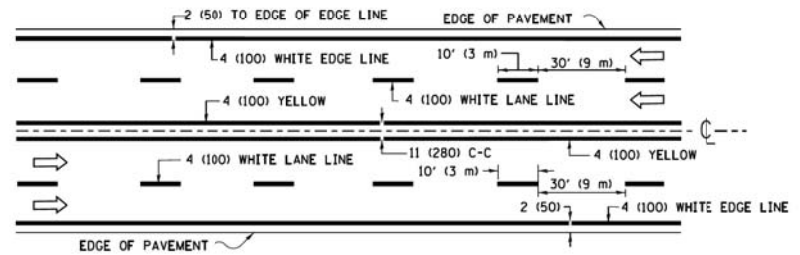
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

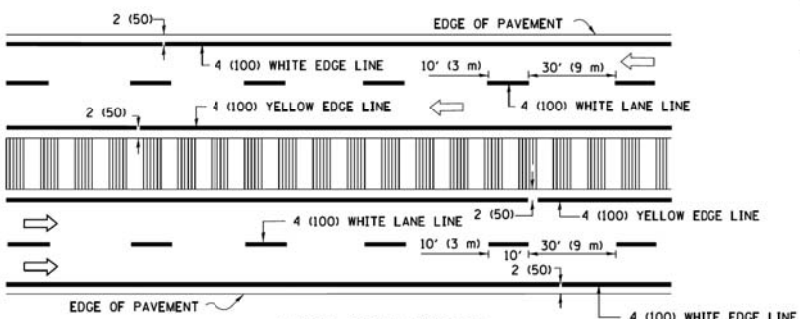
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TC-10			CONTRACT NO. 61E42	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

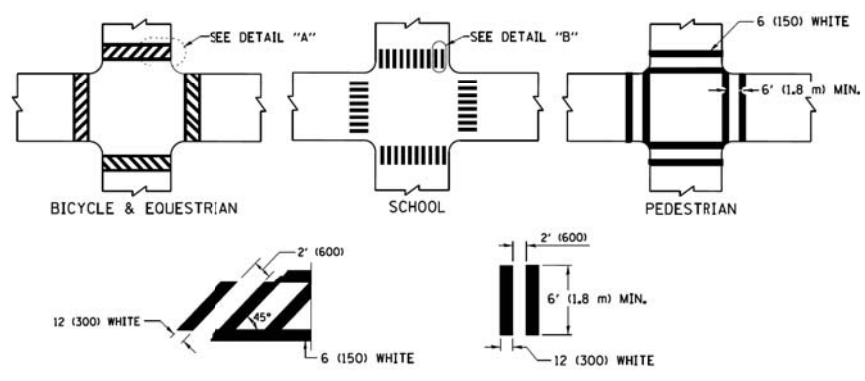


MULTI-LANE UNDIVIDED



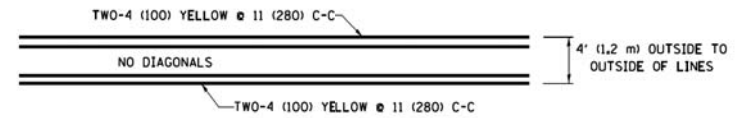
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

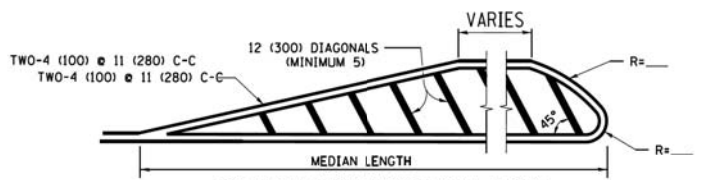


TYPICAL CROSSWALK MARKING

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

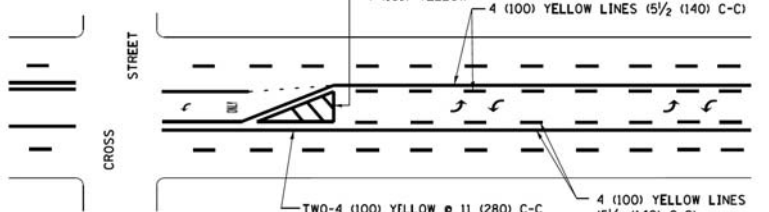


4' (1.2 m) WIDE MEDIANS ONLY



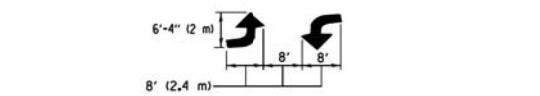
MEDIANS OVER 4' (1.2 m) WIDE

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))

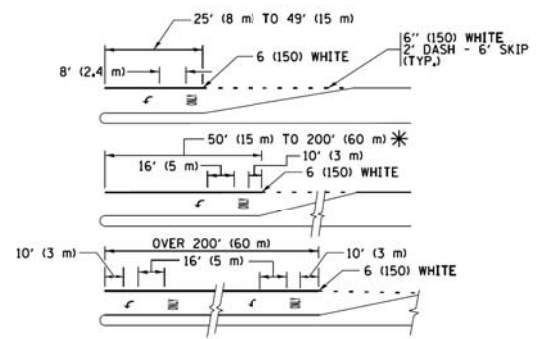


MEDIAN WITH TWO-WAY LEFT TURN LANE
TYPICAL PAINTED MEDIAN MARKING

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

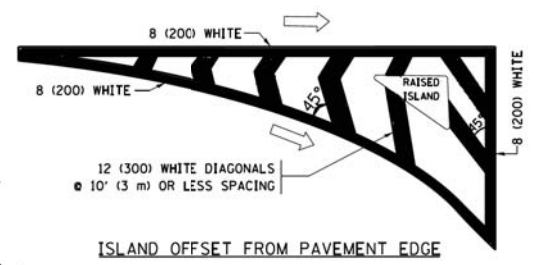


TYPICAL LEFT (OR RIGHT) TURN LANE
TYPICAL TURN LANE MARKING

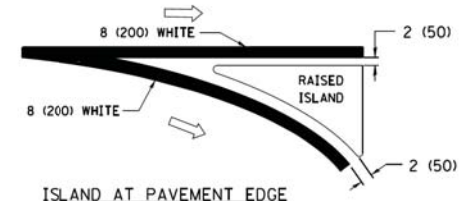


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) (A) AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

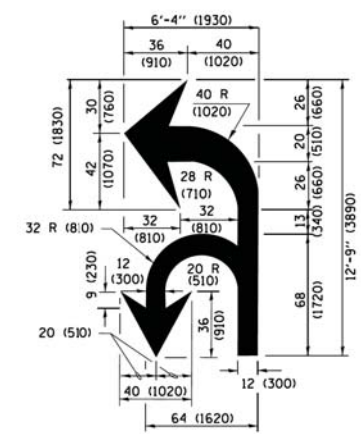
TYPICAL LEFT (OR RIGHT) TURN LANE
TYPICAL TURN LANE MARKING



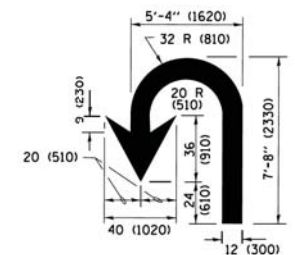
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

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

LANE REDUCTION TRANSITION

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

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

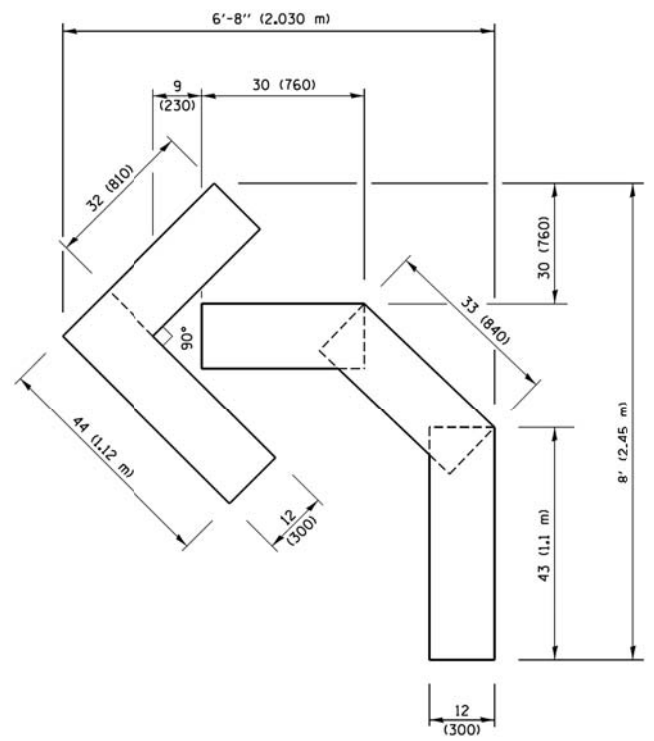
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

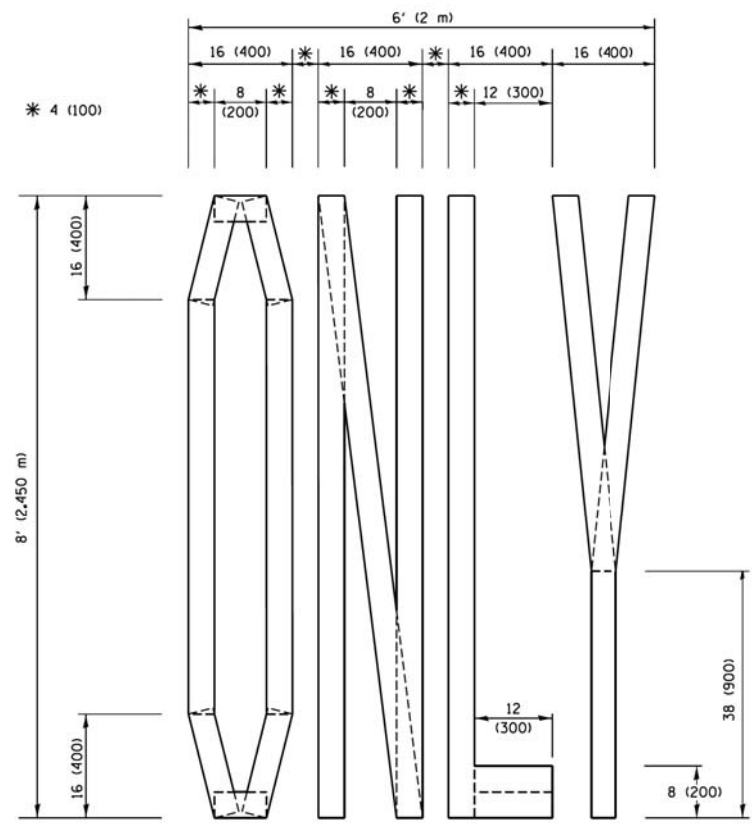
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		DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

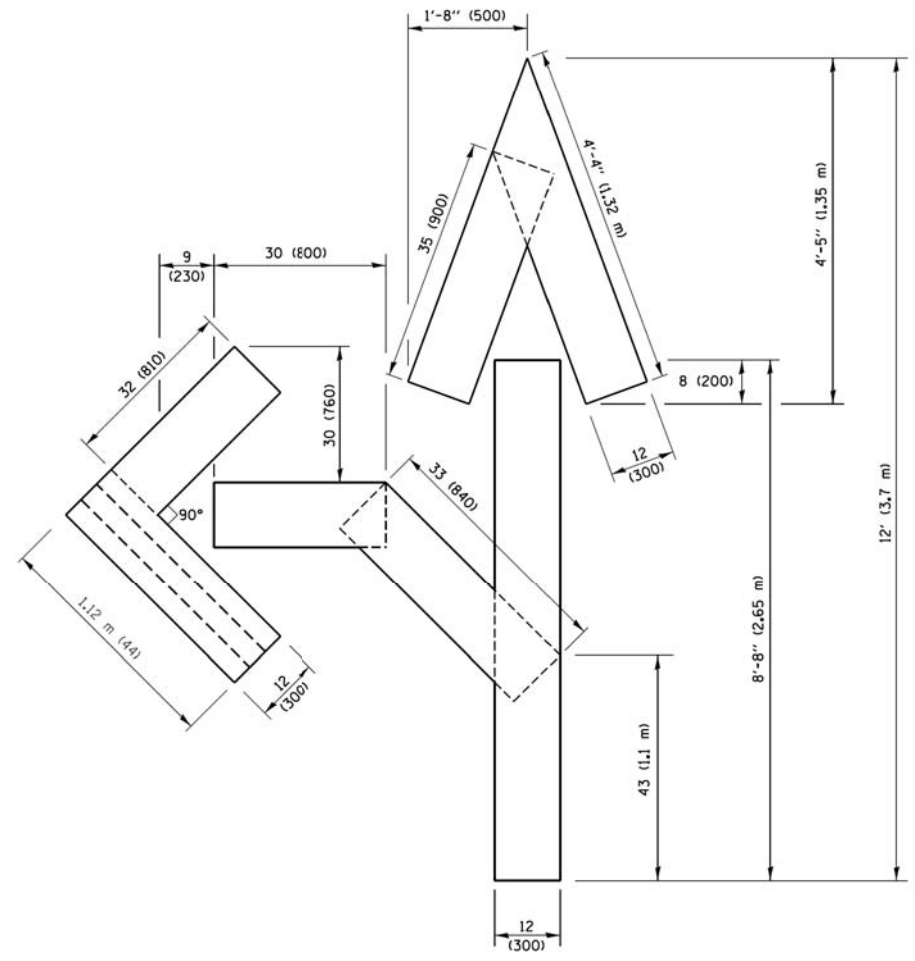
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TYPICAL PAVEMENT MARKINGS		3834	17-00104-00-RS	DUPAGE	84	81
SCALE: NONE		TC-13		CONTRACT NO. 61E42		
SHEET 1 OF 1 SHEETS		STA. TO STA.		ILLINOIS FED. AID PROJECT		



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.41 sq. m)

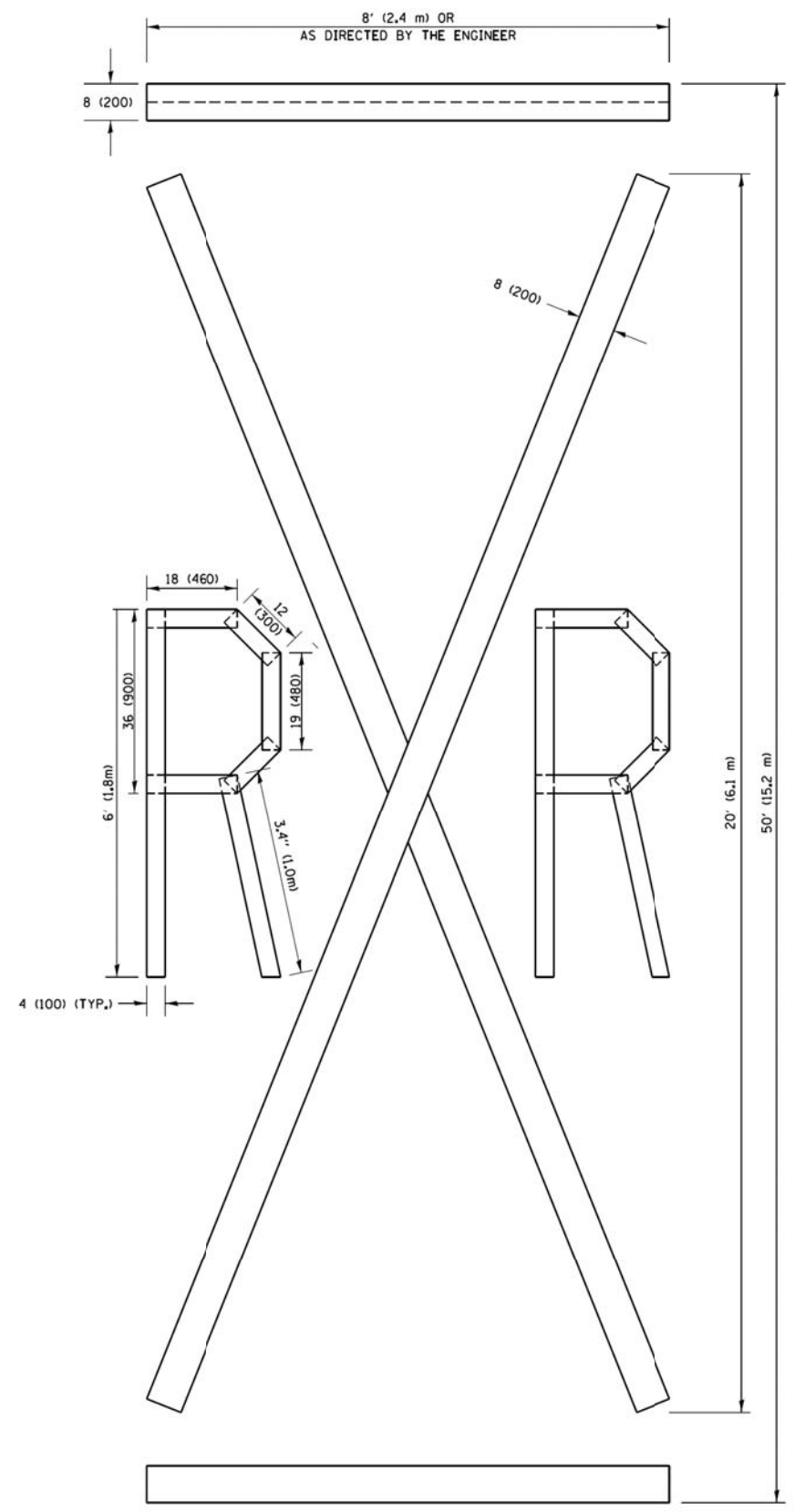


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)

NOTE:
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY
 4 (100) LINE = 225.9 ft. (68.9 m)
 75.3 sq. ft. (6.99 sq. m)

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

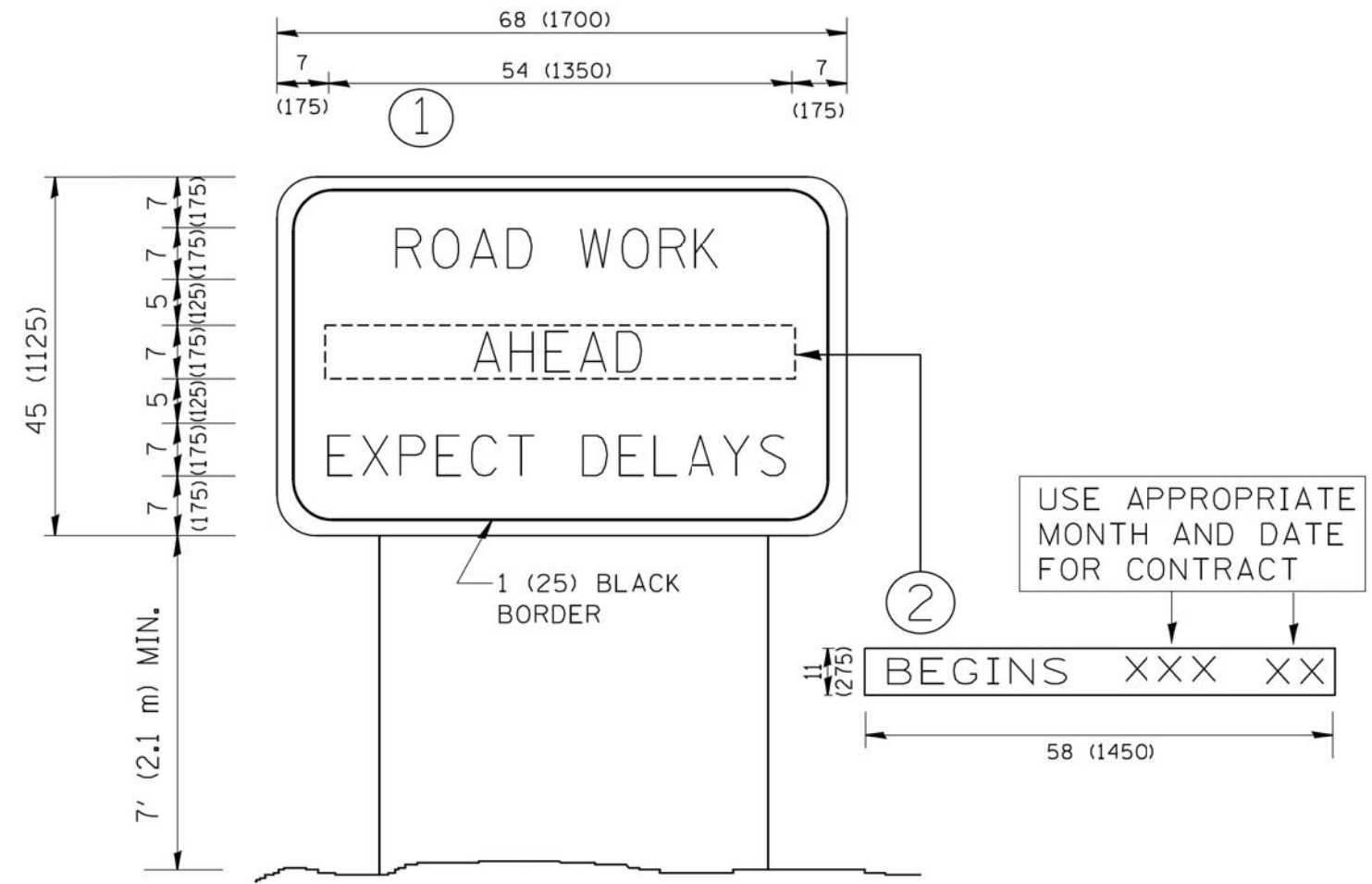
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PLOT DATE = 9/15/2016		DATE -	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	82
TC-16			CONTRACT NO. 61E42	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

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

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

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	PLOT DATE = 1/4/2008	DATE -	REVISED - C, JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	83
TC-22			CONTRACT NO. 61E42	
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".

FILE NAME =	USER NAME = gaglianob	DESIGNED -	REVISED - C. JUCIUS 02-15-07
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	PLOT DATE = 12/13/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3834	17-00104-00-RS	DUPAGE	84	84
TC-26			CONTRACT NO. 61E42	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				