

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	15-00061-00-SW	DuPAGE	26	1
		ILLINOIS	CONTRACT NO. 61D69	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

WINCHESTER AVENUE OGDEN AVENUE TO MIDDLETON AVENUE SIDEWALK CONSTRUCTION SECTION: 15-00061-00-SW PROJECT: SRTS-4009(342) VILLAGE OF LISLE DuPAGE COUNTY C-91-035-16

TRAFFIC DATA

ADT:

WINCHESTER AVENUE = 500

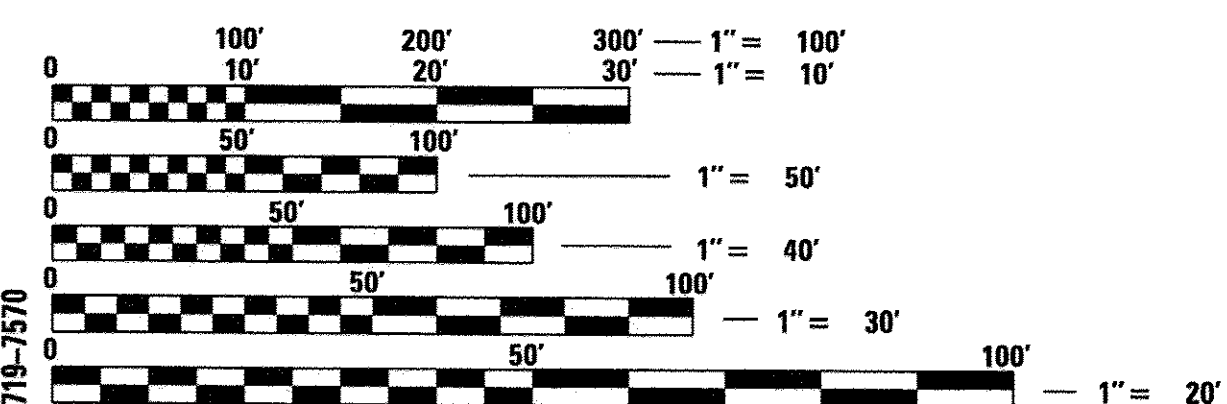
POSTED SPEED LIMIT:

WINCHESTER AVENUE = 30 MPH

DESIGN DESIGNATION: LOCAL ROAD



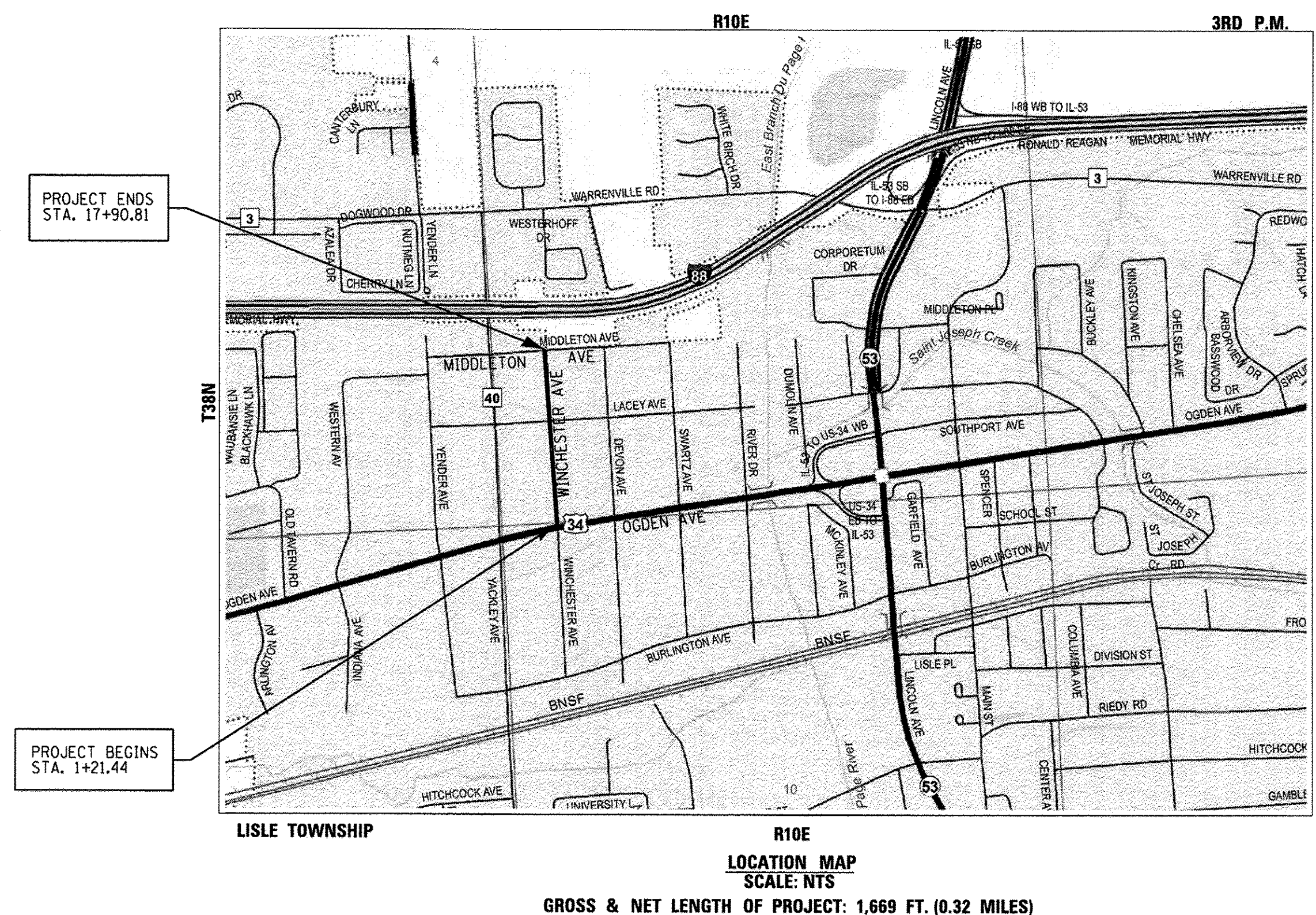
PROJECT LOCATED IN
VILLAGE OF LISLE



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

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

CONTRACT NO. 61D69



PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. (847) 705-4406, SCHAUMBURG, IL
CONSULTANT: JAMES J. BENES & ASSOCIATES, INC. (630) 719-7570

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED: January 30 2017
Jan Elias
Village of Lisle, Director of Public Works

PASSED: FEB 14 2017
C. H. ...
District 1 Engineer of Local Roads & Streets

Releasing for Bid
Based on Limited Review February 16 2017
...
Regional Engineer

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JAMES J. BENES & ASSOCIATES, INC.

JJB JAMES J. BENES & ASSOCIATES
CONSULTING ENGINEERS
950 WARRENVILLE ROAD, SUITE 101
LISLE, IL 60532
(630) 719-7570
SIGNATURE: *Ben Benes*
DATE: 1/30/2017
IL LICENSE NO: 062-064927
EXP. DATE: NOVEMBER 30, 2017
FIELD: JAMES J. BENES AND ASSOCIATES, INC.
CIVIL ENGINEERING

INDEX OF SHEETS

SHEET NO.	TITLE
1	TITLE SHEET
2	INDEX OF SHEETS, GENERAL NOTES, STATE STANDARDS AND BENCH MARKS
3	SUMMARY OF QUANTITIES
4	TYPICAL SECTIONS
5	SCHEDULES OF QUANTITIES
6-7	GEOMETRIC PLANS
8-9	EROSION AND SEDIMENT CONTROL PLANS
10-11	CONSTRUCTION DETAILS
12-13	DISTRICT DETAILS
14-26	CROSS SECTIONS

BENCH MARKS

- BM #1: TOP NORTHWEST FLANGE BOLT ON FIRE HYDRANT. FIRE HYDRANT LOCATED AT THE NORTHWEST CORNER OF WINCHESTER AVENUE AND OGDEN AVENUE, NEAR STA. 1+21, 44' LEFT. ELEVATION = 718.69 (NAVD88)
- BM #2: TOP NORTHEAST FLANGE BOLT ON FIRE HYDRANT. FIRE HYDRANT LOCATED ALONG EAST SIDE OF WINCHESTER AVENUE NEAR ADDRESS 4613, STA. 7+81, 24' RIGHT. ELEVATION = 710.65 (NAVD88)
- BM #3: TOP NORTHWEST FLANGE BOLT ON FIRE HYDRANT. FIRE HYDRANT LOCATED AT THE NORTHWEST CORNER OF WINCHESTER AVENUE LACEY AVENUE, NEAR STA. 11+18, 38' LEFT. ELEVATION = 699.76 (NAVD88)
- BM #4: TOP NORTH FLANGE BOLT ON FIRE HYDRANT. FIRE HYDRANT LOCATED ALONG EAST SIDE OF WINCHESTER AVENUE NEAR ADDRESS 4509, STA. 14+38, 21' RIGHT. ELEVATION = 707.46 (NAVD88)
- BM #5: TOP SOUTHEAST FLANGE BOLT ON FIRE HYDRANT. FIRE HYDRANT LOCATED AT THE SOUTHWEST CORNER OF WINCHESTER AVENUE AND MIDDLETON AVENUE, NEAR STA. 17+41, 34' RIGHT. ELEVATION = 716.37 (NAVD88)

DUPAGE COUNTY BENCH MARK: NO. LI03004, TOP OF BRONZE DISK MONUMENT ESTABLISHED IN SOUTHWEST CORNER OF CONCRETE STRUCTURE OVER OGDEN AVENUE (US ROUTE 34) BRIDGE OVER THE EAST BRANCH DUPAGE RIVER.
 ELEVATION = 669.28 (NAVD 29)
 = 669.01 (NAVD 88)

COMMITMENTS: NONE

GENERAL NOTES

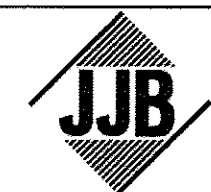
- ACCESS TO LOCAL RESIDENCES AND BUSINESSES SHALL BE MAINTAINED DURING CONSTRUCTION.
- THE CONTRACTOR SHALL GIVE THE ENGINEER, MUNICIPALITY, AND JAMES J. BENES AND ASSOCIATES, INC. THREE (3) WORKING DAYS NOTICE PRIOR TO THE COMMENCEMENT OF WORK. (VILLAGE OF LISLE: (630) 271-4170) (JAMES J. BENES AND ASSOCIATES, INC.: (630) 719-7570)
- ALL ELEVATIONS ARE ON NAVD 88 DATUM.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- THE ENGINEER OR THE OWNER, SHALL NOT ASSUME ANY OF THE RESPONSIBILITIES OF THE CONTRACTOR'S SUPERINTENDENT OR OF SUBCONTRACTORS. ADDITIONALLY, THE ENGINEER OR OWNER, SHALL NOT ADVISE ON, OR ISSUE DIRECTIONS CONCERNING, ASPECTS OF CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR SAFETY PRECAUTIONS AND/OR PROGRAMS IN CONNECTION WITH THE WORK.
- THE LOCATIONS OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THEIR ACCURACY IS NOT GUARANTEED. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND ELEVATION OF ALL UTILITIES. THE CONTRACTOR SHALL REPORT ANY ENCOUNTERED DISCREPANCIES TO THE ENGINEER AT ONCE. THE CONTRACTOR SHALL TAKE DUE CARE IN ALL PHASES OF CONSTRUCTION TO PROTECT ANY UTILITIES WHICH MAY BE AFFECTED BY THE WORK. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE IN ACCORDANCE WITH ARTICLES 105.07, 107.20, AND 107.39.
- THE CONTRACTOR SHALL KEEP THE CONSTRUCTION AREA FREE OF DEBRIS DURING CONSTRUCTION. THE CONTRACTOR SHALL INSPECT THE SITE DAILY FOR DEBRIS ON THE ROADWAY SURFACE IN ACCORDANCE WITH ARTICLE 107.15. THE RIGHT-OF-WAY SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION IN ACCORDANCE WITH ARTICLE 107.20.
- THE CONTRACTOR SHALL MAINTAIN ALL EXISTING DRAINAGE FACILITIES DURING CONSTRUCTION AND SHALL REPAIR ANY DRAINAGE FACILITIES DAMAGED DURING CONSTRUCTION.
- THE CONTRACTOR SHALL VERIFY THE ELEVATIONS OF EXISTING STORM SEWERS PRIOR TO THE CONSTRUCTION OF PROPOSED STORM SEWER.
- THE RELOCATION OF SIGNS ARE INCLUDED IN THE COST OF THE CONTRACT AND WILL NOT BE PAID FOR SEPARATELY IN ACCORDANCE WITH ARTICLE 107.25.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS, SEWERS AND WATER UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED.)
- THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH ALL UTILITY COMPANIES AND THE VILLAGE OF LISLE.
- SAW CUTTING OF PAVEMENT, SHOULDERS, CURB AND GUTTER, ETC. SHALL BE TO FULL DEPTH AND SHALL RESULT IN CLEAN, STRAIGHT EDGE ON THE PORTION REMAINING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE MADE BY THE CONTRACTOR TO THE IRRIGATION SYSTEMS AND IT SHALL BE REPAIRED IN ACCORDANCE WITH ARTICLE 107.20. THE CONTRACTOR WILL DETERMINE THE LOCATIONS OF DAMAGE AND EXTENT OF DAMAGE. ALL LOCATIONS OF REPAIR WORK AND EXTENT OF REPAIR SHALL BE APPROVED BY THE ENGINEER PRIOR TO PERFORMING THE WORK. THE SPRINKLER LINES SHALL BE PRESSURE TESTED. ANY PRESSURE LEAKS SHALL BE IDENTIFIED AND REPAIRS MADE PRIOR TO RETESTING THE SYSTEM FOR APPROVAL. ALL MATERIAL, LABOR AND EQUIPMENT USED TO LOCATE, REPAIR AND TEST THE DAMAGED IRRIGATION SYSTEMS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT BID PRICE OF THE CONTROLLING ITEM BEING WORKED ON AT THE TIME OF DAMAGE.
- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED APRIL 1, 2016; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2017; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (MUTCD), "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" JULY 2014 SEVENTH EDITION, THE "DETAILS" IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.

LIST OF STATE STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-09	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
542401-02	METAL END SECTION FOR PIPE CULVERT
602301-04	INLET - TYPE A
604001-04	FRAME AND LIDS TYPE 1
604036-03	GRATE TYPE 8
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 mm) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-06	LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-06	TRAFFIC CONTROL DEVICES

LIST OF DISTRICT ONE DETAILS

TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS



JAMES J. BENES & ASSOCIATES, INC.
 950 Warrenville Road, Suite 101, Lisle, Illinois 60532
 Tel. (630) 719-7570 • Fax (630) 719-7589

DESIGNED	— BDH	REVISED	—
DRAWN	— SMP	REVISED	—
CHECKED	— BDH	REVISED	—
DATE	— 1/27/2017	REVISED	—

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, GENERAL NOTES, STATE STANDARDS AND BENCH MARKS
 WINCHESTER AVENUE

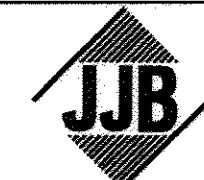
SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	15-00061-00-SW	DUPAGE	26	2
CONTRACT NO. 61D69				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODES	
				SAFETY IMPROVEMENT	
				80% FED 20% LOCAL 0021	
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	54	54	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	16	16	
20101000	TEMPORARY FENCE	FOOT	125	125	
* 20101200	TREE ROOT PRUNING	EACH	6	6	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	340	340	
20400800	FURNISHED EXCAVATION	CU YD	16	16	
20800150	TRENCH BACKFILL	CU YD	26	26	
28000400	PERIMETER EROSION BARRIER	FOOT	72	72	
28000500	INLET AND PIPE PROTECTION	EACH	9	9	
28000510	INLET FILTERS	EACH	8	8	
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	45	45	
40800029	BITUMINOUS MATERIALS (TACK COAT)	POUNDS	101	101	
42001300	PROTECTIVE COAT	SQ YD	922	922	
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	22	22	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	8,096	8,096	
42400800	DETECTABLE WARNINGS	SQ FT	60	60	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	371	371	
44201725	CLASS D PATCHES, TYPE I, 7 INCH	SQ YD	4	4	
52200800	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	205	205	
54213680	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	1	
54215545	METAL END SECTIONS 10"	EACH	1	1	
54215547	METAL END SECTIONS 12"	EACH	2	2	
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	5	5	
550B0040	STORM SEWERS, CLASS B, TYPE 1 10"	FOOT	23	23	

LEGEND
* - DENOTES SPECIALTY ITEMS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODES	
				SAFETY IMPROVEMENT	
				80% FED 20% LOCAL 0021	
550B0050	STORM SEWERS, CLASS B, TYPE 1 12"	FOOT	102	102	
550B0340	STORM SEWERS, CLASS B, TYPE 2 12"	FOOT	28	28	
55100500	STORM SEWER REMOVAL 12"	FOOT	29	29	
56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	2	2	
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	2	2	
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	1	1	
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	1	1	
67100100	MOBILIZATION	LSUM	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1	1	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1	1	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	235	235	
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1	
Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	2	2	
Z0017700	DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED	EACH	1	1	
Z0066500	STABILIZED DRIVEWAYS 7"	SQ YD	224	224	
A2007118	TREE, QUERCUS RUBRA (NORTHERN RED OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	2	2	
A2008518	TREE, ULMUS MORTON GLOSSY (TRIUMPH ELM), 2" CALIPER, BALLED AND BURLAPPED	EACH	2	2	
B2001116	TREE, CERCIS CANADENSIS (EASTERN REDBUD), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	1	1	
X2500900	SEEDING, CLASS 1 (SPECIAL)	ACRE	0.5	0.5	
X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	1	1	
XX001877	SUMP PUMP LINE CONNECTION	EACH	2	2	
XX007761	BUFFALO BOX ADJUSTMENT, SPECIAL	EACH	5	5	



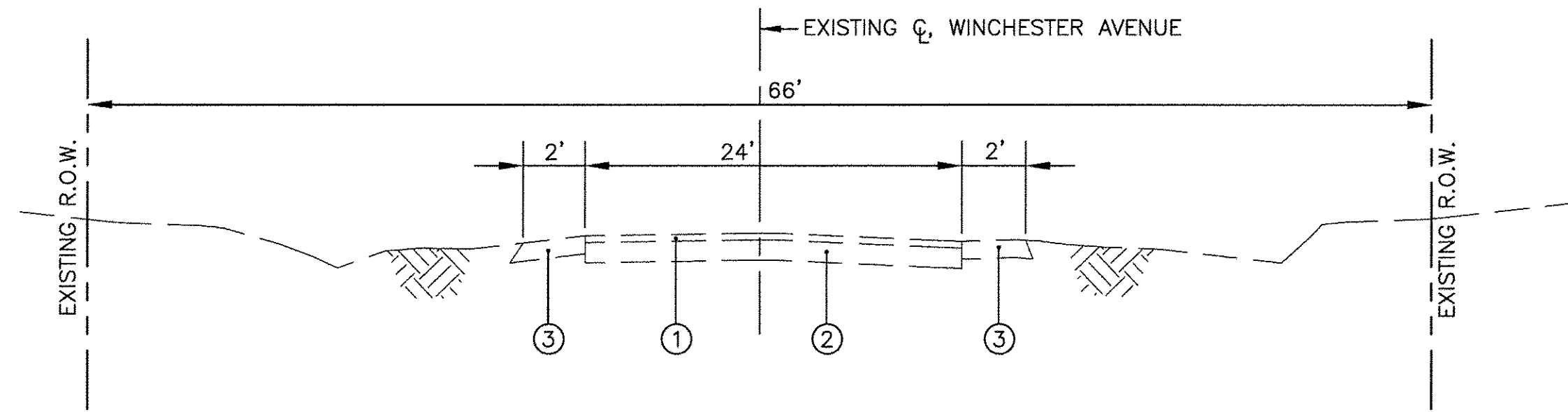
JAMES J. BENES & ASSOCIATES, INC.
950 Warrenville Road, Suite 101, Lisle, Illinois 60532
Tel. (630) 719-7570 • Fax (630) 719-7589

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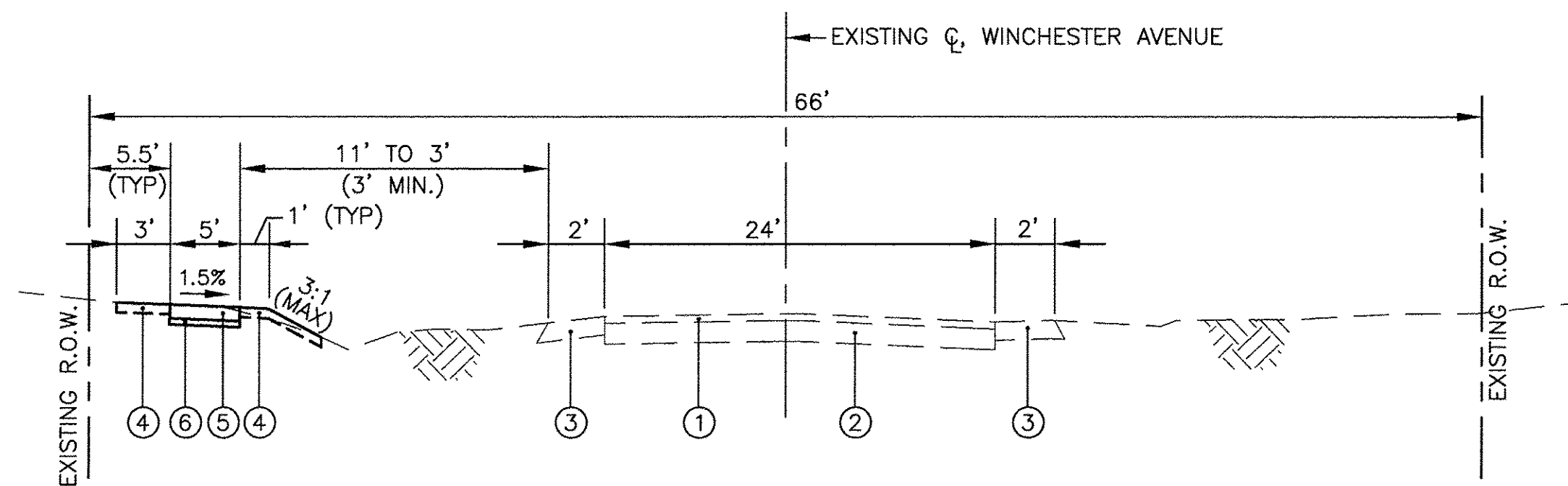
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
WINCHESTER AVENUE

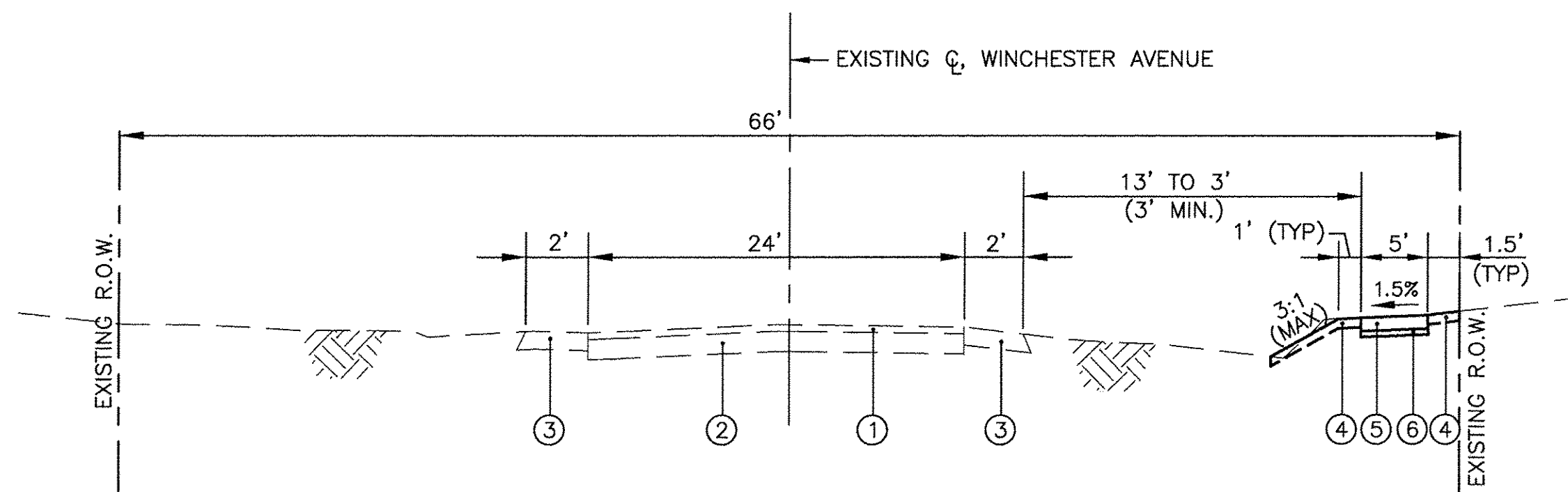
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ILLINOIS FED. AID PROJECT							



EXISTING TYPICAL SECTION-WINCHESTER AVENUE
 STA. 1+21.44 (OGDEN AVENUE) TO STA. 17+90.81 (MIDDLETON AVENUE)



PROPOSED TYPICAL SECTION-WINCHESTER AVENUE
 STA. 1+21.44 (OGDEN AVENUE) TO STA. 11+00.00 (LACEY AVENUE)



PROPOSED TYPICAL SECTION-WINCHESTER AVENUE
 STA. 11+00.00 (LACEY AVENUE) TO STA. 17+90.81 (MIDDLETON AVENUE)

LEGEND

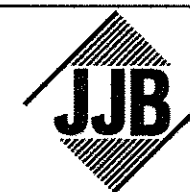
- ① EXISTING HOT-MIX ASPHALT SURFACE COURSE, 2" & VARIES
- ② EXISTING HOT-MIX PAVEMENT, 6" & VARIES
- ③ EXISTING AGGREGATE SHOULDERS, 12" & VARIES
- ④ SEEDING, CLASS 1 (SPECIAL)
 (INCLUDES 4" PULVERIZED TOP SOIL AND FERTILIZER)
 (AT LOCATIONS DESIGNATED BY THE ENGINEER)
- ⑤ PORTLAND CEMENT CONCRETE SIDEWALK 5"
 (AT ENTRANCES, THE SIDEWALK SHALL BE INCREASED TO THE
 THICKNESS OF THE DRIVEWAY PAVEMENT, COST INCLUDED IN
 P.C.C. SIDEWALK 5")
- ⑥ SUB-BASE GRANULAR MATERIAL, TYPE B
 (COST INCLUDED IN P.C.C. SIDEWALK 5")

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes
PATCHING	
CLASS D PATCHES, 7" (2 LIFTS) (HMA BINDER IL-19mm)	4% @ 70 Gyr.
DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2", (IL-9.5mm)	4% @ 50 Gyr.
HOT-MIX ASPHALT BASE COURSE, 5" (HMA BINDER IL-19mm)	4% @ 50 Gyr.

NOTES:

- 1) THE UNIT WEIGHT USED TO CALCULATE ALL HMA QUANTITIES IS 112 LB/SY/IN.
- 2) 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.
- 3) FOR USE OF RECYCLED MATERIAL SEE SPECIAL PROVISIONS.



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DATE	1/27/2017	REVISED	---

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
 WINCHESTER AVENUE**

SCALE: NONE

SHEET NO. - OF - SHEETS

STA. _____ TO STA. _____

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ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D69	

TREE REMOVAL (6 TO 15 UNIT DIA)			
STATION	OFF SET		QUANTITY (UNIT)
	(FOOT)	(LT/RT)	
WINCHESTER AVE			
12+65	22	RT	8
15+58	26	RT	10
16+14	26	RT	12
16+47	25	RT	12
17+05	25	RT	12
TOTAL			54

INLET FILTERS		
STATION	OFFSET (FEET)	QUANTITY (EACH)
WINCHESTER AVENUE		
1+31	24.67' LT	1
1+39	14.87' LT	1
3+33	15.54' LT	1
10+50	15.33' LT	1
10+81	15.06' LT	1
11+76	17.33' RT	1
12+35	13.35' RT	1
12+91	14.13' RT	1
TOTAL		8

DOMESTIC WATER SERVICE BOX TO BE ADJUSTED			
STATION	OFFSET		QUANTITY (EACH)
	(FOOT)	(LT/RT)	
WINCHESTER AVE			
3+28	27	LT	1
7+40	29	LT	1
TOTAL			2

DRAINAGE AND UTILITY STRUCTURES TO BE ADJUSTED			
STATION	OFFSET		QUANTITY (EACH)
	(FOOT)	(LT/RT)	
WINCHESTER AVE			
1+31	25	LT	1
11+76	17	RT	1
TOTAL			2

TREE REMOVAL (OVER 15 UNIT DIA)			
STATION	OFFSET		QUANTITY (UNIT)
	(FOOT)	(LT/RT)	
WINCHESTER AVENUE			
12+54	18	RT	16
TOTAL			16

SEGMENTAL CONCRETE BLOCK WALL				
LOCATION	OFF SET	LENGTH (FOOT)	AVERAGE HEIGHT (FOOT)	QUANTITY (SQ FT)
WINCHESTER AVENUE				
12+35	RT	40	2.3	92
13+50	RT	75	1.5	112.5
TOTAL QUANTITY =				205

FRAMES AND LIDS, TYPE 1, OPEN LID			
STATION	OFFSET		QUANTITY (EACH)
	(FOOT)	(LT/RT)	
WINCHESTER AVE			
1+31	25	LT	1
TOTAL			1

EARTHWORK		
LOCATION	REMOVAL & DISPOSAL OF UNSUITABLE MAT.* (CU YD)	FURNISHED EXCAVATION** (CU YD)
WINCHESTER AVE. (SOUTH OF LACEY) STA 1+21 TO STA 10+74	150	5
WINCHESTER AVE. (NORTH OF LACEY) STA 11+17 TO STA 17+54	190	11
TOTAL QUANTITY =	340	16

*ALL CUT MATERIAL SHALL BE HAULED OFF SITE DUE TO NO ONSITE STORAGE LOCATIONS.
**ALL FILL MATERIAL (EMBANKMENT) SHALL BE BROUGHT IN FROM OFFSITE LOCATION, SINCE ON SITE EXCAVATED MATERIAL MUST BE HAULED OFF SITE.

TREE ROOT PRUNING			
STATION	OFF SET		QUANTITY (EACH)
	(FOOT)	(LT/RT)	
WINCHESTER AVE			
5+33	26	LT	1
10+18	25	LT	1
10+47	24	LT	1
11+80	31	RT	1
12+04	30	RT	1
14+01	25	RT	1
TOTAL			6

PRECAST REINFORCED CONCRETE END SECTIONS, 15"		
STATION	OFFSET (FOOT)	QUANTITY (EACH)
WINCHESTER AVE		
3+30	26	1
TOTAL		1

FRAMES AND LIDS, TYPE 1, CLOSED LID			
STATION	OFFSET		QUANTITY (EACH)
	(FOOT)	(LT/RT)	
WINCHESTER AVE			
5+33	17	LT	1
TOTAL			1

CLASS D PATCHES, TYPE I, 7 INCH		
STATION	LOCATION	QUANTITY (SQ YD)
WINCHESTER AVE		
10+80	LT	4
TOTAL		4

INLET AND PIPE PROTECTION		
STATION	OFFSET (LT/RT)	QUANTITY (EACH)
WINCHESTER AVENUE		
7+44	15.9' LT	1
8+47	15' LT	1
9+34	18.2' LT	1
14+01	17.2' RT	1
14+29	17.8' RT	1
14+94	17.1' RT	1
15+68	17.4' RT	1
16+87	16.8' RT	1
17+48	41.6' RT	1
TOTAL		9

METAL END SECTIONS, 10"		
STATION	OFFSET (LT/RT)	QUANTITY (EACH)
WINCHESTER AVE		
14+25	RT	1
TOTAL		1

SANITARY MANHOLES TO BE ADJUSTED			
STATION	OFFSET		QUANTITY (EACH)
	(FOOT)	(LT/RT)	
WINCHESTER AVE			
5+33	17	LT	1
TOTAL			1

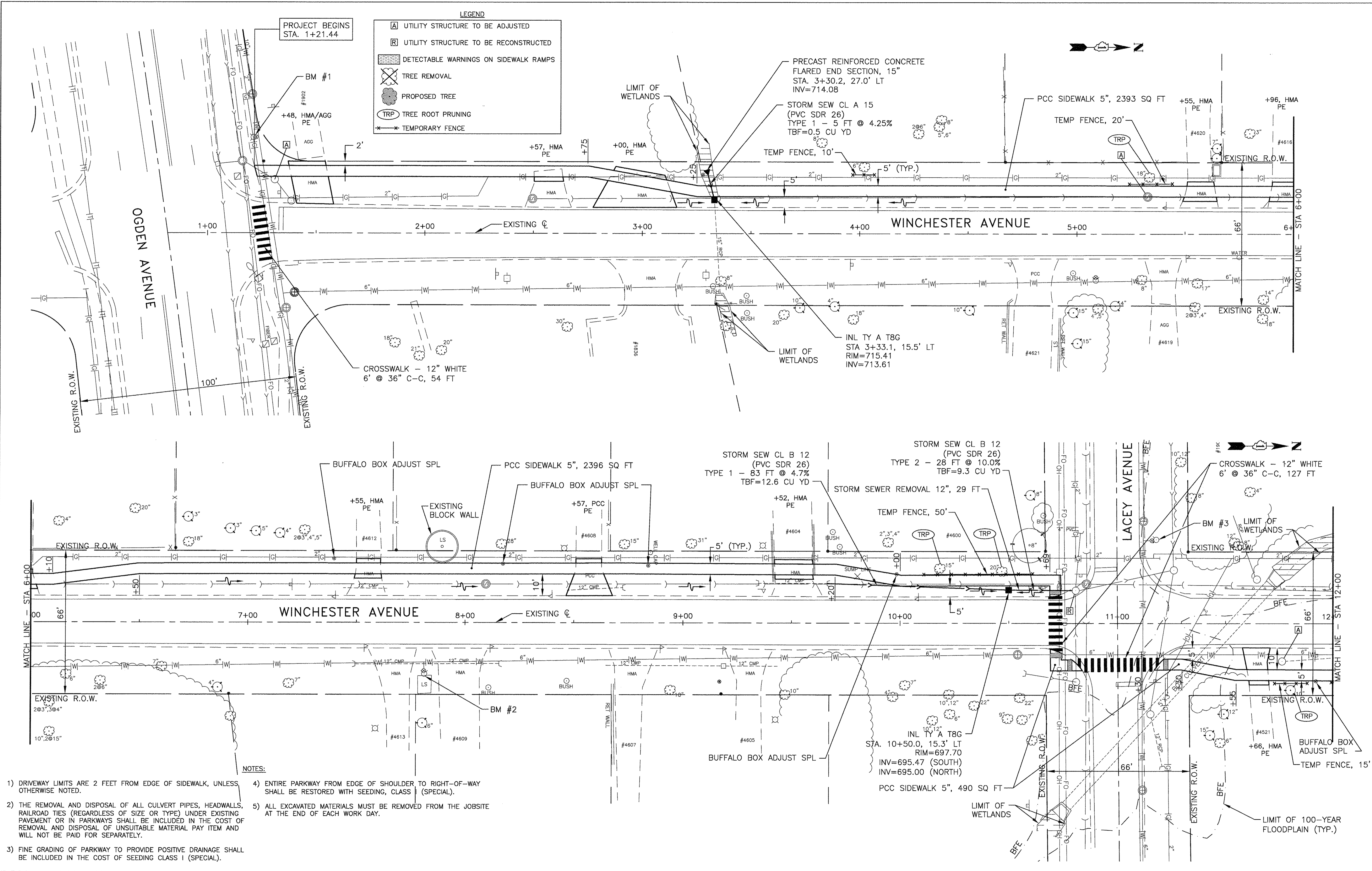
DRIVEWAY QUANTITY SCHEDULE						
STATION	OFFSET	EXISTING PAVEMENT STRUCTURE AND TYPE	DRIVEWAY PAVEMENT REMOVAL (SQ. YD.)	STABILIZED DRIVEWAYS, 7" (SQ. YD.)	P.C.C. DRIVEWAY PVMT 6 INCHES (SQ. YD.)	AGG. FOR TEMP ACCESS (TONS)
WINCHESTER AVENUE STA 1+00 - 12+00						
1+48	LT	P.E. HMA	36.7	27.3		5.0
2+57	LT	P.E. HMA	7.4	3.0		1.0
3+00	LT	P.E. HMA	51.0	42.4		7.0
5+55	LT	P.E. HMA	13.7	6.2		1.0
5+96	LT	P.E. HMA	12.2	5.4		1.0
7+55	LT	F.E. HMA	11.5	5.2		1.0
8+57	LT	P.E. PCC	28.6		21.8	4.0
9+52	LT	P.E. HMA	17.5	7.8		2.0
11+66	RT	P.E. HMA	19.3	14.1		3.0
WINCHESTER AVENUE STA 12+00 - 17+90.81						
12+19	RT	P.E. HMA	12.0	5.4		1.0
12+75	RT	P.E. HMA	46.2	39.5		6.0
13+73	RT	P.E. HMA	29.8	24.4		4.0
14+73	RT	P.E. HMA	18.9	7.5		2.0
15+45	RT	P.E. HMA	16.3	7.7		2.0
16+65	RT	P.E. HMA	8.5	2.6		1.0
MIDDLETON AVENUE NORTH						
		P.E. HMA	41.2	25.4		4.0
TOTAL QUANTITY =			371	224	22	45

METAL END SECTIONS, 12"		
STATION	OFFSET (LT/RT)	QUANTITY (EACH)
WINCHESTER AVE		
17+41	RT	1
17+48	RT	1
TOTAL		2

BUFFALO BOX ADJUSTMENT, SPECIAL			
STATION	OFFSET		QUANTITY (EACH)
	(FOOT)	(LT/RT)	
WINCHESTER AVE			
8+17	27	LT	1
8+84	26	LT	1
9+98	23	LT	1
11+82	26	RT	1
14+93	29	RT	1
TOTAL			5

DATE	BY
PLANNING	SURVEYED
DESIGN	PLOTTED
CHECKED	CHECKED
NO.	NO.

DATE	BY
PROFILE	SURVEYED
DESIGN	PLOTTED
CHECKED	CHECKED
NO.	NO.



- NOTES:
- 1) DRIVEWAY LIMITS ARE 2 FEET FROM EDGE OF SIDEWALK, UNLESS OTHERWISE NOTED.
 - 2) THE REMOVAL AND DISPOSAL OF ALL CULVERT PIPES, HEADWALLS, RAILROAD TIES (REGARDLESS OF SIZE OR TYPE) UNDER EXISTING PAVEMENT OR IN PARKWAYS SHALL BE INCLUDED IN THE COST OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL PAY ITEM AND WILL NOT BE PAID FOR SEPARATELY.
 - 3) FINE GRADING OF PARKWAY TO PROVIDE POSITIVE DRAINAGE SHALL BE INCLUDED IN THE COST OF SEEDING CLASS I (SPECIAL).
 - 4) ENTIRE PARKWAY FROM EDGE OF SHOULDER TO RIGHT-OF-WAY SHALL BE RESTORED WITH SEEDING, CLASS I (SPECIAL).
 - 5) ALL EXCAVATED MATERIALS MUST BE REMOVED FROM THE JOBSITE AT THE END OF EACH WORK DAY.

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DESIGNED — BDH	REVISED —
DRAWN — SMP	REVISED —
CHECKED — BDH	REVISED —
DATE — 1/27/2017	REVISED —

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

GEOMETRIC PLAN WINCHESTER AVENUE	
SCALE: 1"=20'	SHEET NO. 1 OF 2 SHEETS
STA. 0+81.59 TO STA. 12+00.00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00061-00-SW	DUPAGE	26	6
CONTRACT NO. 61D69			ILLINOIS FED. AID PROJECT	

NOTES:

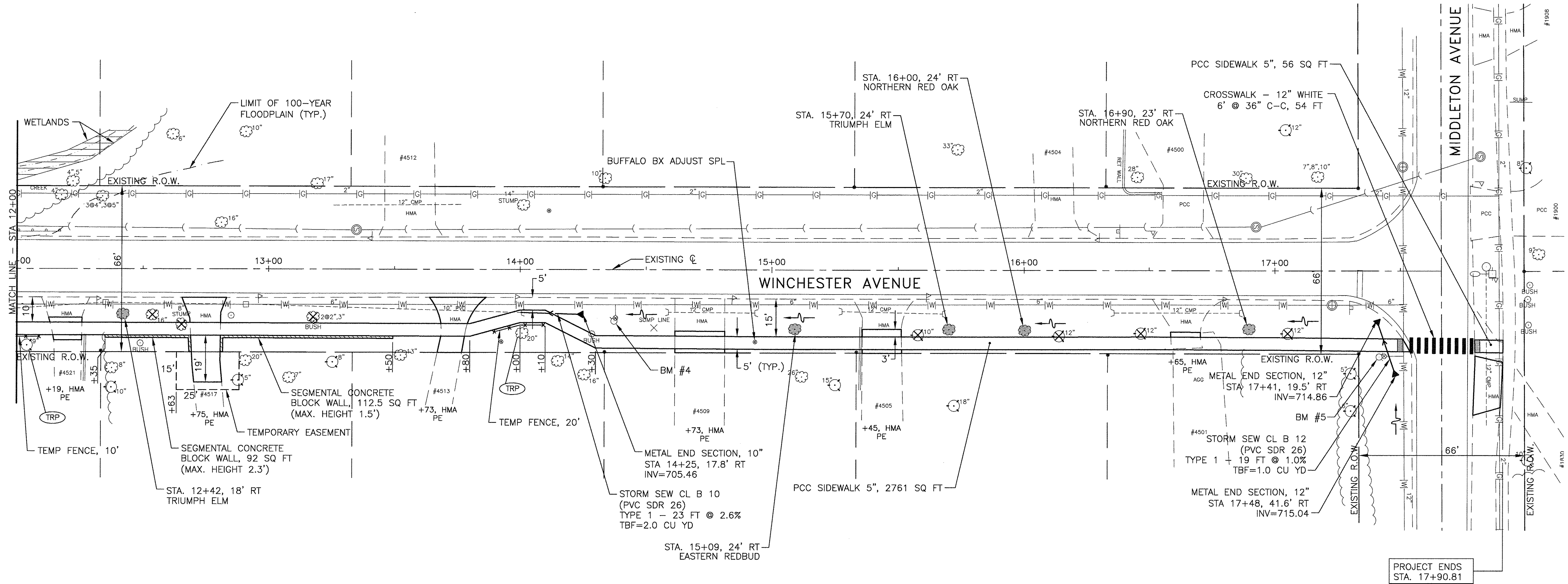
- 1) DRIVEWAY LIMITS ARE 2 FEET FROM EDGE OF SIDEWALK, UNLESS OTHERWISE NOTED.
- 2) THE REMOVAL AND DISPOSAL OF ALL CULVERT PIPES, HEADWALLS, RAILROAD TIES (REGARDLESS OF SIZE OR TYPE) UNDER EXISTING PAVEMENT OR IN PARKWAYS SHALL BE INCLUDED IN THE COST OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL PAY ITEM AND WILL NOT BE PAID FOR SEPARATELY.
- 3) FINE GRADING OF PARKWAY TO PROVIDE POSITIVE DRAINAGE SHALL BE INCLUDED IN THE COST OF SEEDING CLASS I (SPECIAL).
- 4) ENTIRE PARKWAY FROM EDGE OF SHOULDER TO RIGHT-OF-WAY SHALL BE RESTORED WITH SEEDING, CLASS I (SPECIAL).
- 5) ALL EXCAVATED MATERIALS MUST BE REMOVED FROM THE JOBSITE AT THE END OF EACH WORK DAY.

LEGEND

- UTILITY STRUCTURE TO BE ADJUSTED
- UTILITY STRUCTURE TO BE RECONSTRUCTED
- DETECTABLE WARNINGS ON SIDEWALK RAMPS
- TREE REMOVAL
- PROPOSED TREE
- TREE ROOT PRUNING
- TEMPORARY FENCE

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	



PROJECT ENDS
STA. 17+90.81

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DRAWN	— SMP	REVISED	—
CHECKED	— BDH	REVISED	—
DATE	— 1/27/2017	REVISED	—

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GEOMETRIC PLAN
WINCHESTER AVENUE**

SCALE: 1"=20' SHEET NO. 2 OF 2 SHEETS STA. 12+00.00 TO STA. 17+90.81

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
—	15-00061-00-SW	DUPAGE	26	7
CONTRACT NO. 61D69			ILLINOIS FED. AID PROJECT	

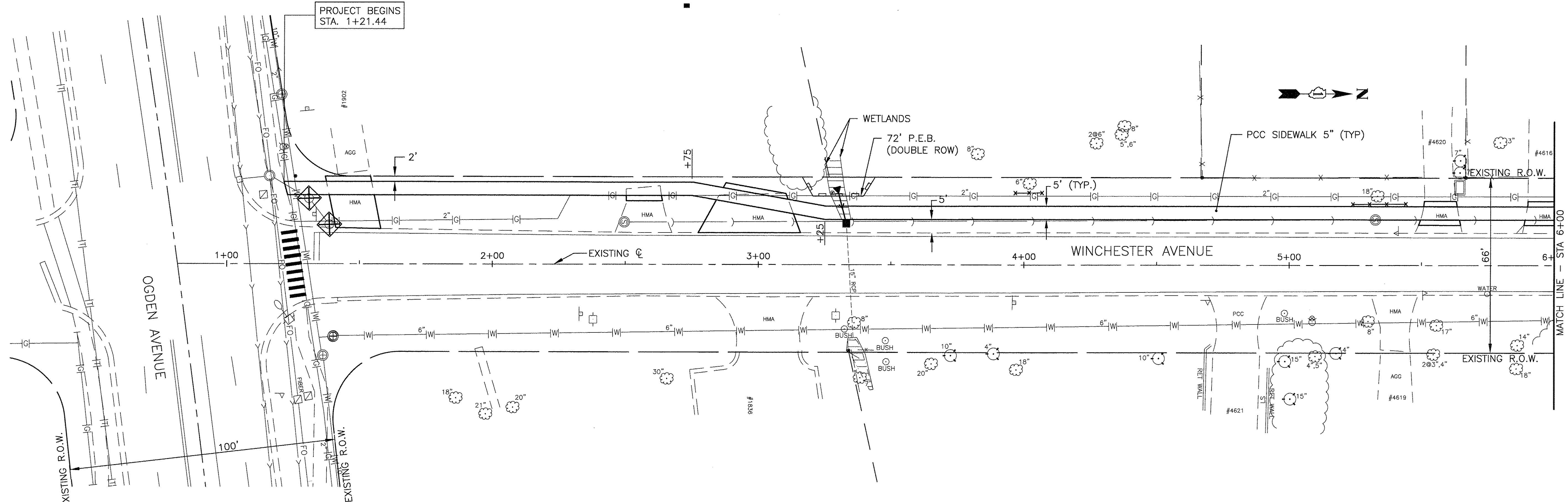
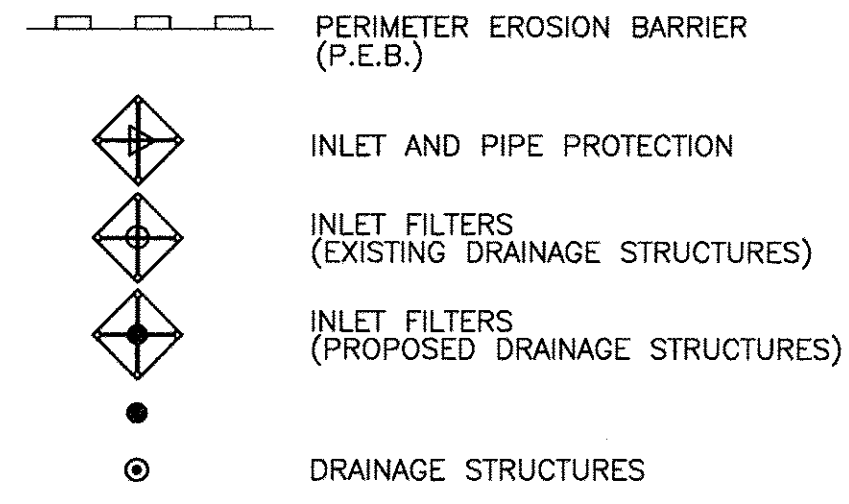
TEMPORARY EROSION CONTROL NOTES

1. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE LAND IS OTHERWISE DISTURBED ON THE SITE.
2. THE SURFACE OF STRIPPED AREAS SHALL BE PERMANENTLY OR TEMPORARILY PROTECTED FROM SOIL EROSION WITHIN 15 DAYS AFTER FINAL GRADE IS REACHED. STRIPPED AREAS NOT AT FINAL GRADE THAT WILL REMAIN UNDISTURBED FOR MORE THAN 15 DAYS AFTER INITIAL DISTURBANCE SHALL BE PROTECTED FROM EROSION.
3. IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN 3 DAYS, THEN SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSTALLED DURING CONSTRUCTION.
4. STORM SEWER INLETS SHALL BE PROTECTED WITH SEDIMENT TRAPPING OR FILTER CONTROL DEVICES DURING CONSTRUCTION.
5. THE QUANTITIES SHOWN FOR ALL EROSION CONTROL MEASURES INCLUDE THE INSTALLATION, MAINTENANCE, AND REMOVAL OF THE MEASURE.
6. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES IN SERVICEABLE CONDITION AT ALL TIMES. EROSION CONTROL MEASURES WILL BE INSPECTED ON A WEEKLY BASIS AND WITHIN 24 HOURS OF ANY STORM EXCEEDING 0.5 INCHES OF PRECIPITATION OR EQUIVALENT SNOWFALL.
7. ALL CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMIT FOR THIS PROJECT.
8. AS WORK PROGRESSES, ALL SLOPES 3:1 OR GREATER SHALL RECEIVE TEMPORARY EROSION CONTROL SEEDING AND EROSION CONTROL BLANKET IMMEDIATELY. ALL FLATTER AREAS THAT DO NOT HAVE A COVER OF VEGETATION, AND WHERE NO FURTHER WORK IS TO OCCUR FOR 14 DAYS OR MORE, SHALL BE TEMPORARILY SEEDED WITHIN SEVEN (7) CALENDAR DAYS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. A SUFFICIENT QUANTITY OF TEMPORARY EROSION CONTROL SEEDING IS INCLUDED TO COVER THE LIMITS OF PERMANENT LANDSCAPING.
9. TEMPORARY DITCH CHECKS SHALL BE PLACED IMMEDIATELY AFTER DITCH GRADING (OR CLEANING AND REGRADING) IS COMPLETED.
10. ALL PROPOSED OPEN LID DRAINAGE STRUCTURES SHALL BE PROTECTED AS DIRECTED BY THE ENGINEER WITH INLET FILTERS, AND THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "INLET FILTERS". ALL OPEN END CULVERTS SHALL BE PROTECTED AS DIRECTED BY THE ENGINEER, WHICH WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "INLET AND PIPE PROTECTION". "INLET AND PIPE PROTECTION" SHALL BE COMPRISED OF DITCH CHECKS, TEMPORARY SEEDING AND TEMPORARY EROSION CONTROL BLANKET. STRAW BALES AND SILT FENCE SHALL NOT BE USED AS INLET AND PIPE PROTECTION.
11. WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.
12. ANY SOIL, MUD OR DEBRIS WASHED, TRACKED, OR DEPOSITED ONTO THE STREET SHALL BE REMOVED PRIOR TO THE END OF THE WORK DAY.
13. SILT FENCE IS NOT REQUIRED WHERE THE PERIMETER IS HIGHER THAN THE WORK ZONE, AND SILT FENCE SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW, OR ACROSS CONTOURS WITHOUT J-HOOKS (HIGHWAY STANDARD 280001). IN AREAS OF CONCENTRATED FLOW, TEMPORARY DITCH CHECKS AREA A SUITABLE ALTERNATIVE PERIMETER EROSION BARRIER IN PLACE OF THE SILT FENCE.
14. PORTABLE TOILETS SHALL BE PLACED AWAY FROM INLETS AND WATER COURSES.
15. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES AREA NO LONGER NEEDED AS DIRECTED BY THE ENGINEER.
16. THE EROSION CONTROL MEASURES INDICATED IN THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.
17. TEMPORARY CONCRETE WASHOUT AREA FACILITY SHALL BE AT LOCATIONS DESIGNATED BY THE ENGINEER AND WILL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN THE COST OF THE ITEMS BEING POURED.
18. MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS WILL NOT BE PAID FOR SEPARATELY, BUT INCLUDED IN THE COST OF TEMPORARY EROSION CONTROL ITEM.
19. THE CONTRACTOR IS RESPONSIBLE FOR THE CONTROL OF DUST AT ALL TIMES DURING THE DURATION OF THE PROJECT, 24 HOURS PER DAY, 7 DAYS PER WEEK, INCLUDING NON-WORKING HOURS, WEEKENDS AND HOLIDAYS. THIS WORK SHALL BE CONSIDERED COMPLETE AFTER THE COMPLETION OF ALL PERMANENT EROSION CONTROL MEASURES REQUIRED FOR THE PROJECT, AND AFTER ALL TEMPORARY AND PERMANENT SEEDING HAS TAKEN PLACE. WORK ON THIS PROJECT SHALL BE CONDUCTED IN A MANNER THAT WILL NOT RESULT IN GENERATING EXCESSIVE AIRBORNE PARTICULATE MATTER OR NUISANCE DUST CONDITIONS.

PLAN	NO.	NOTE BOOK	DATE
SUBMITTED			
PLOTTED			
ALIGNMENT CHECKED			
GRADES CHECKED			
STRUCTURE NOTATIONS CHK'D			

PROFILE	NO.	NOTE BOOK	DATE
SURVEYED			
PLOTTED			
GRADES CHECKED			
STRUCTURE NOTATIONS CHK'D			

LEGEND



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DESIGNED	BDH	REVISED	
DRAWN	SMP	REVISED	
CHECKED	BDH	REVISED	
DATE	1/27/2017	REVISED	

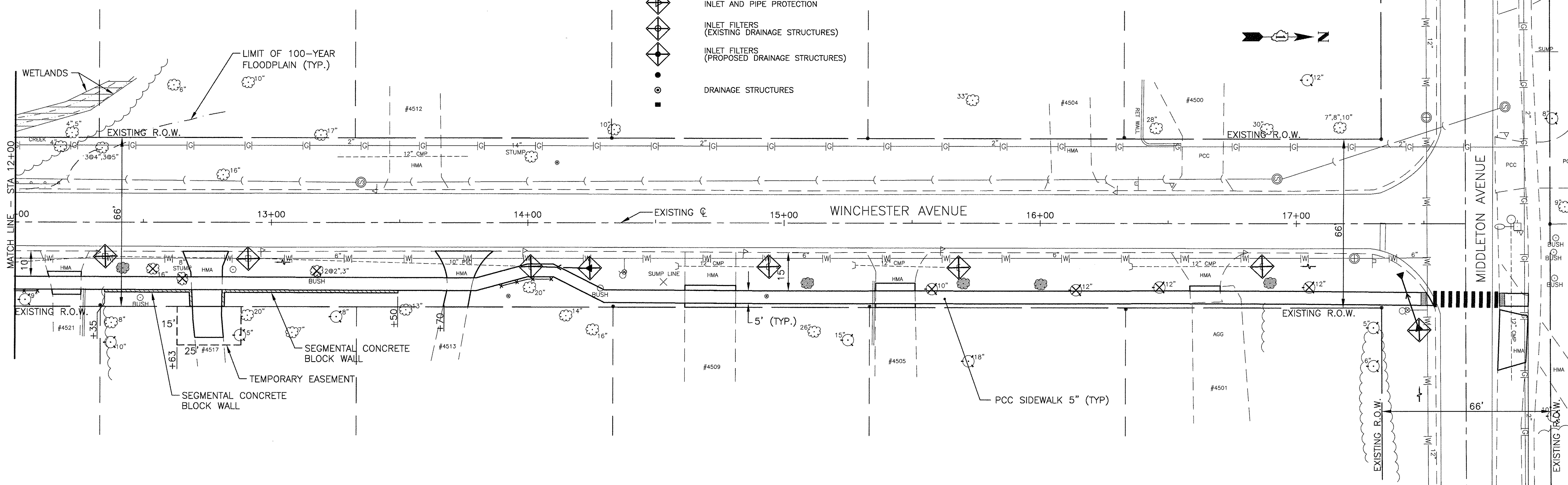
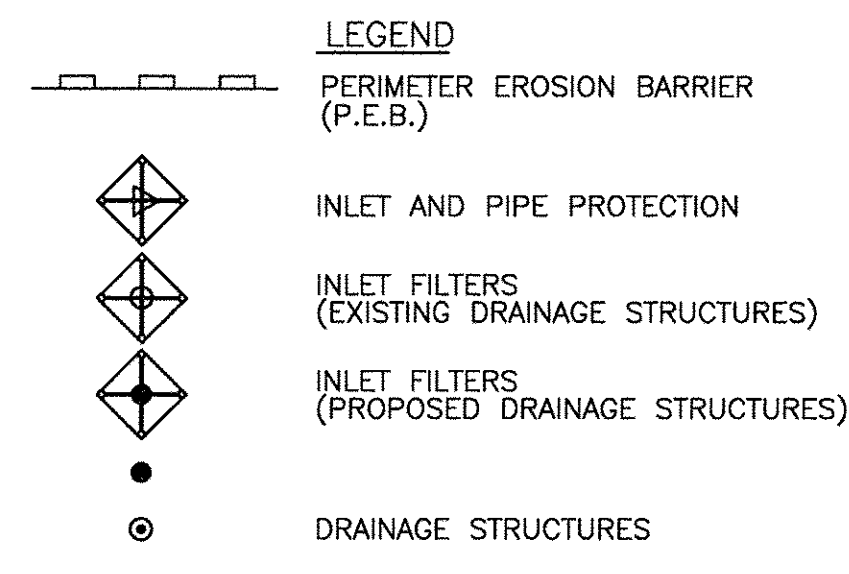
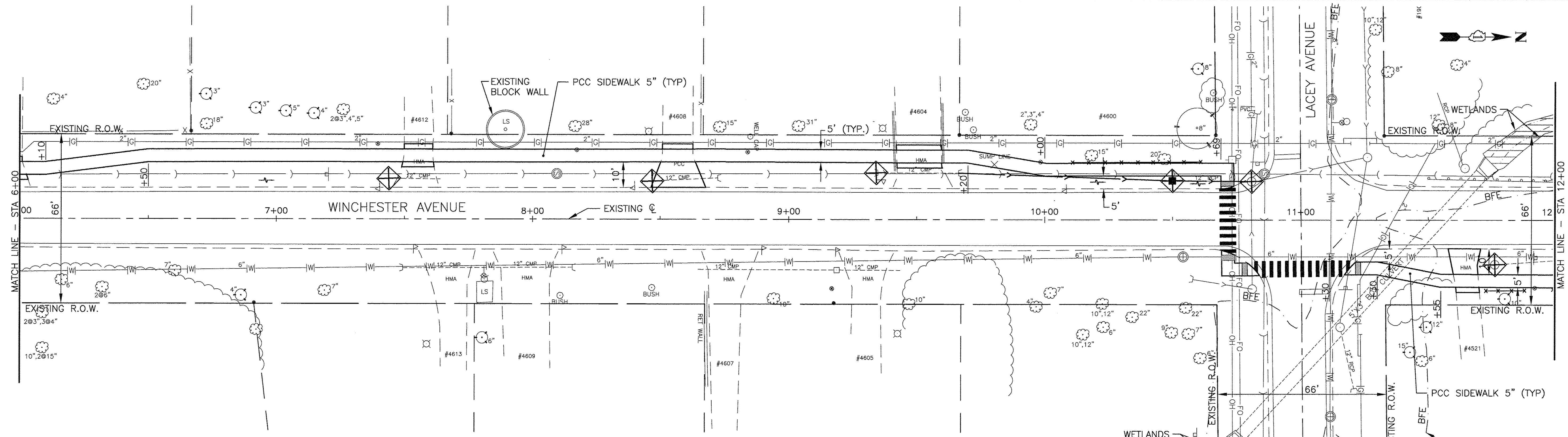
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLAN		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
WINCHESTER AVENUE			15-00061-00-SW	DUPAGE	26	8
SCALE: 1"=20'	SHEET NO. OF SHEETS	STA. 0+81.59 TO STA. 6+00.00				

CONTRACT NO. 61D69		ILLINOIS FED. AID PROJECT	
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DATE	
BY	
SUBMITTED	
PLANNING	
DESIGNED	
CHECKED	
DATE	
NO.	
NO.	
NO.	
NO.	
NO.	

DATE	
BY	
SUBMITTED	
PLANNING	
DESIGNED	
CHECKED	
DATE	
NO.	
NO.	
NO.	
NO.	
NO.	



PROJECT ENDS
STA. 17+90.81

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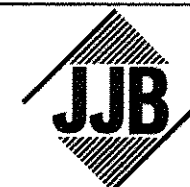
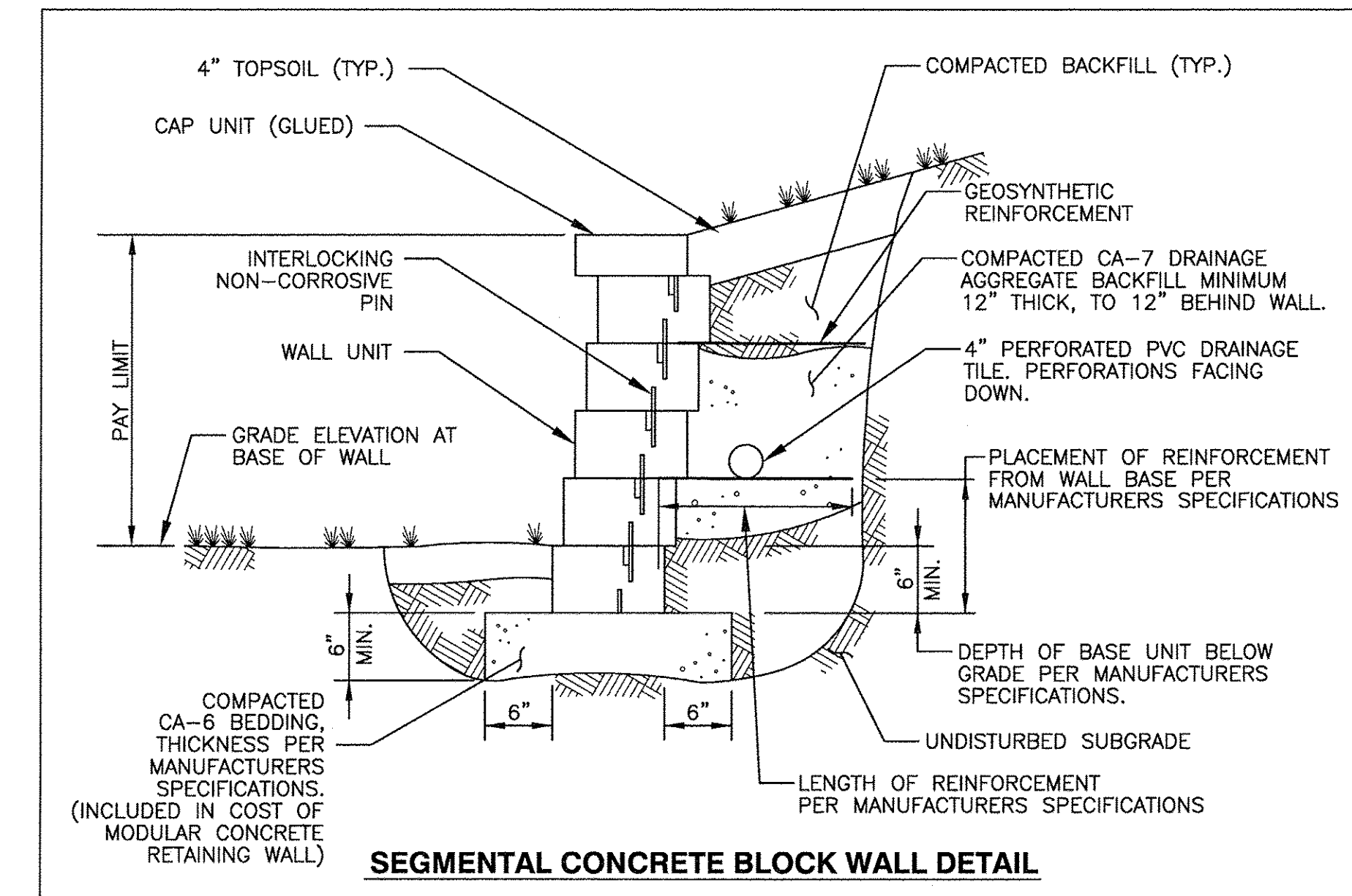
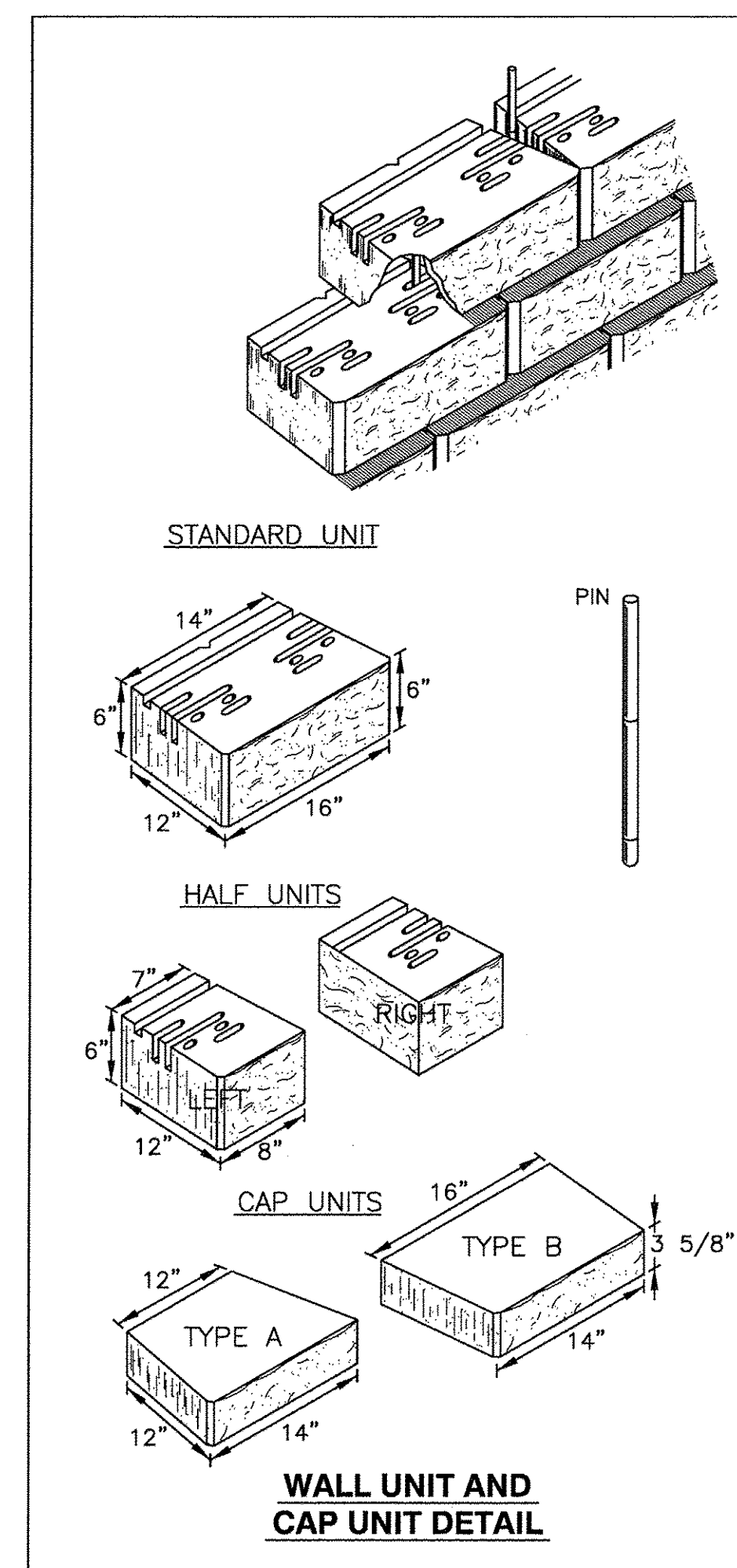
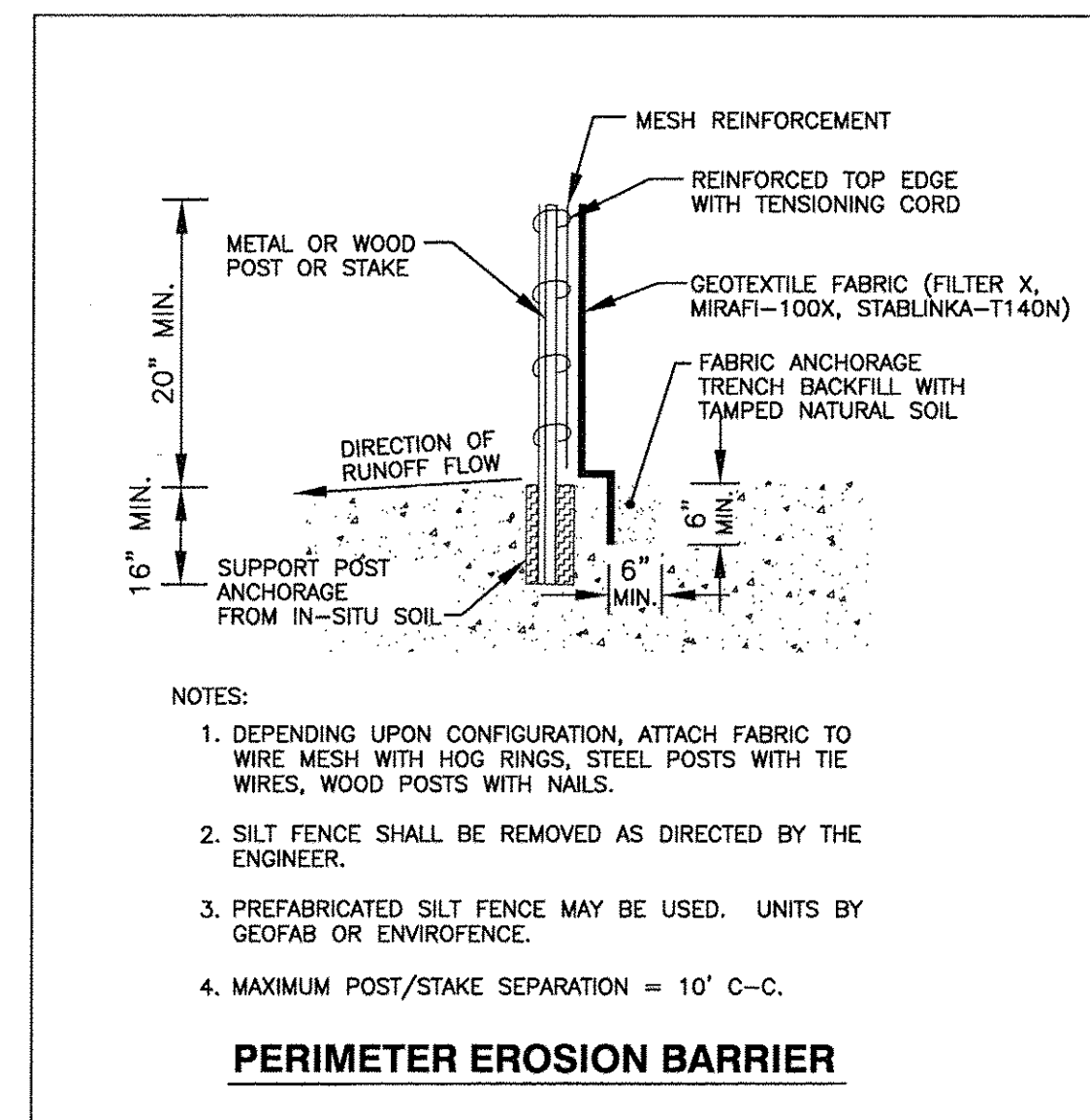
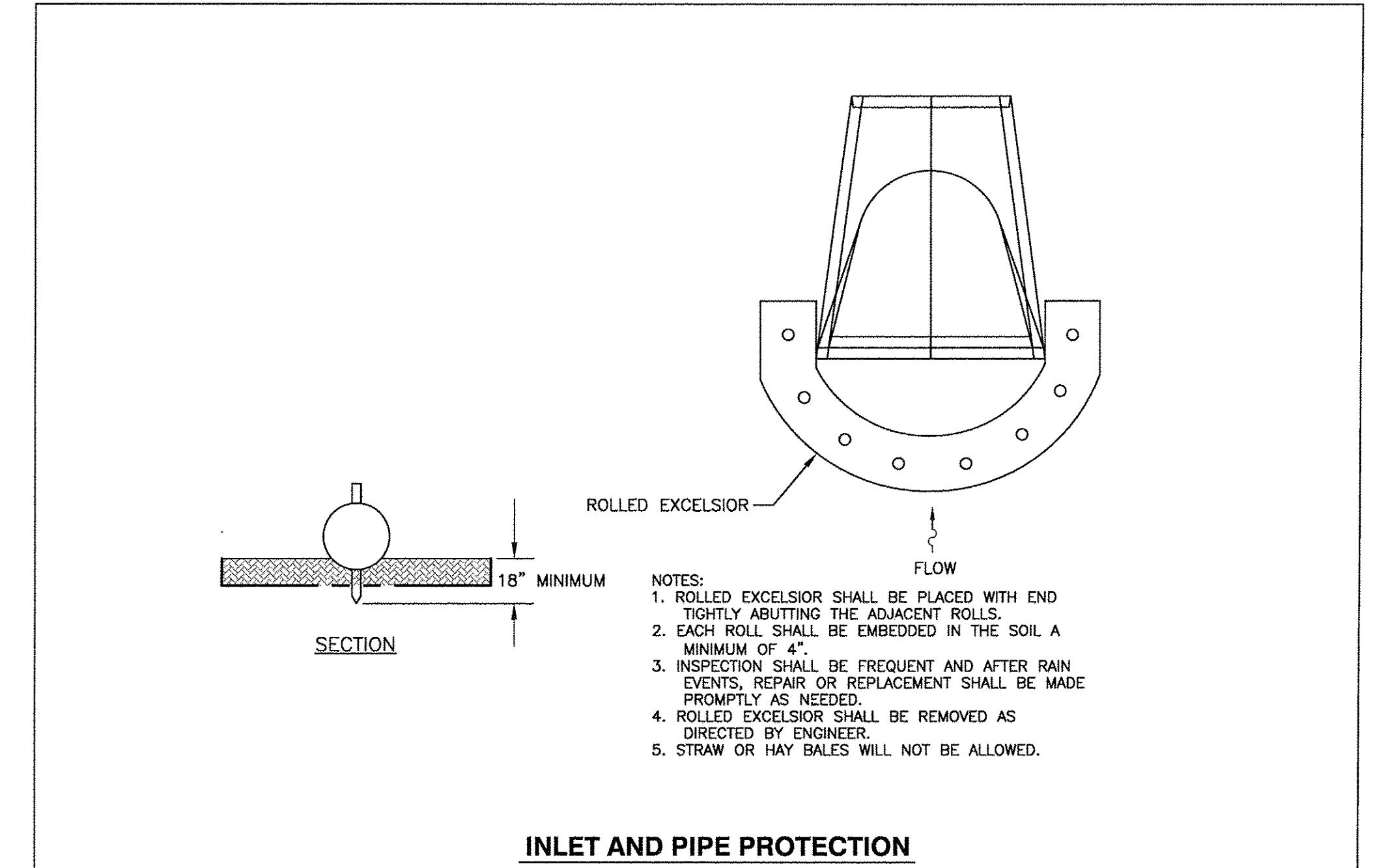
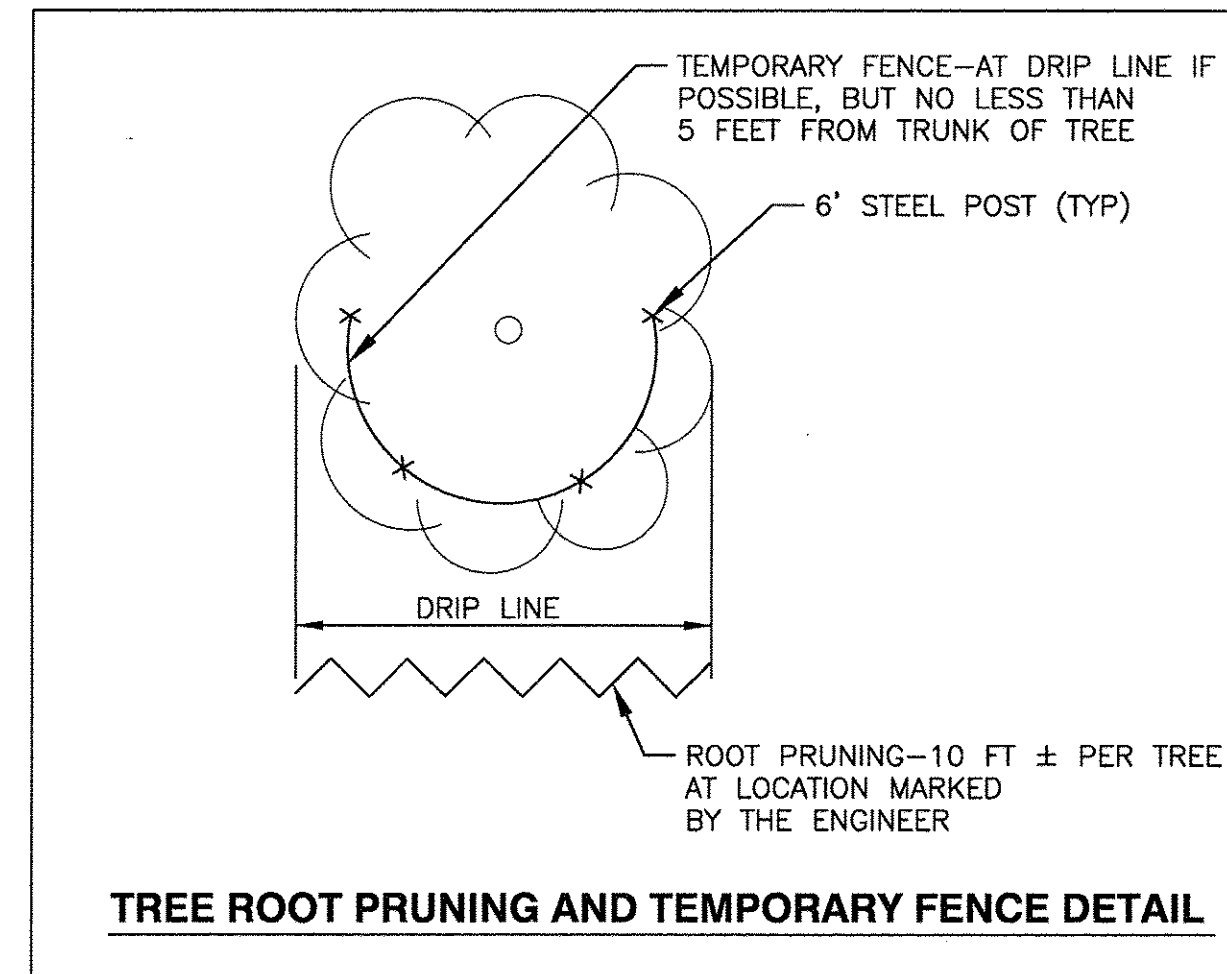
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DRAWN	SMP	REVISED	
CHECKED	BDH	REVISED	
DATE	1/27/2017	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLAN
WINCHESTER AVENUE

SCALE: 1"=20' SHEET NO. OF SHEETS STA. 6+00.00 TO STA. 17+90.81

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	15-00061-00-SW	DUPAGE	26	9
ILLINOIS FED. AID PROJECT				CONTRACT NO. 61D69



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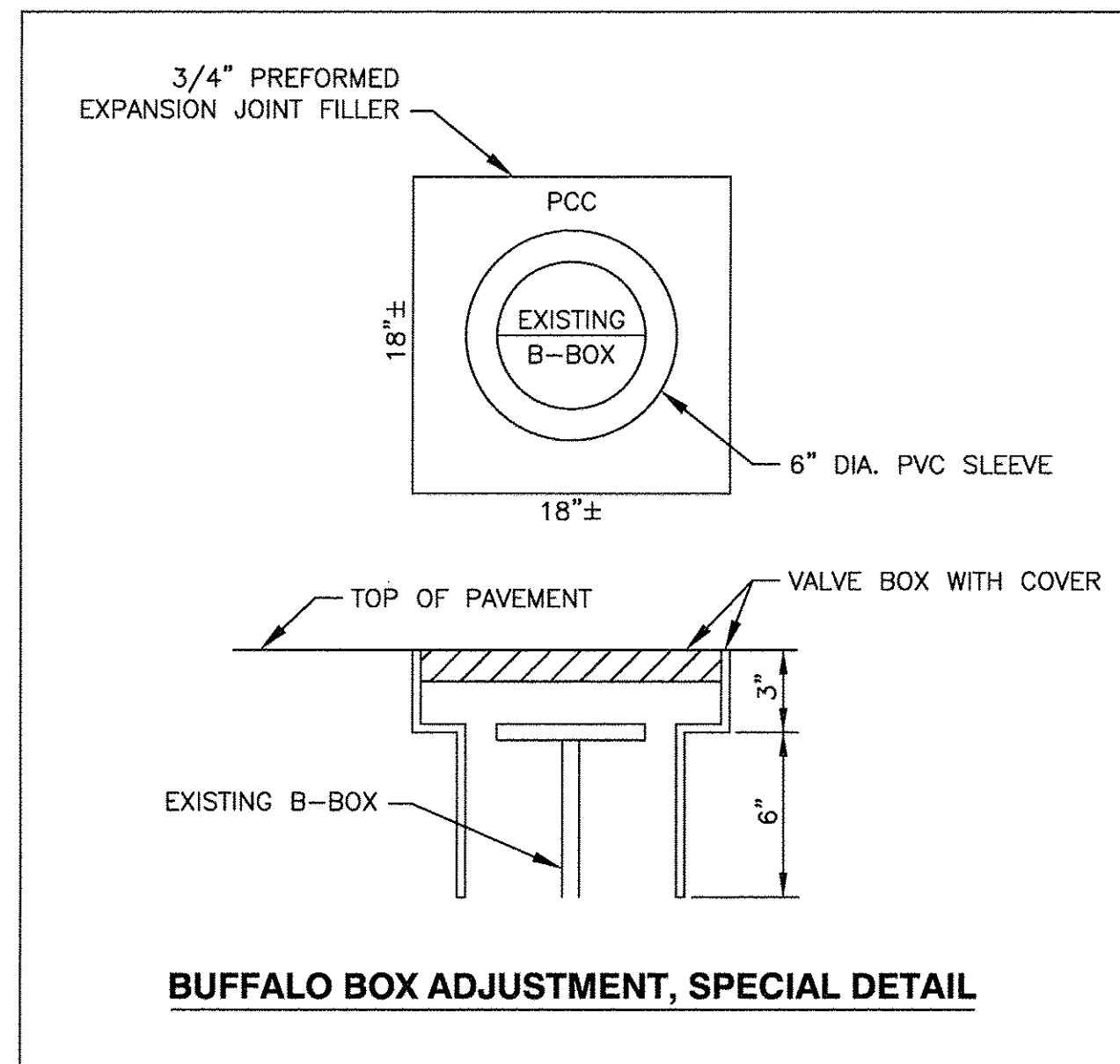
DESIGNED — BDH	REVISED —
DRAWN — SMP	REVISED —
CHECKED — BDH	REVISED —
DATE — 1/27/2017	REVISED —

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

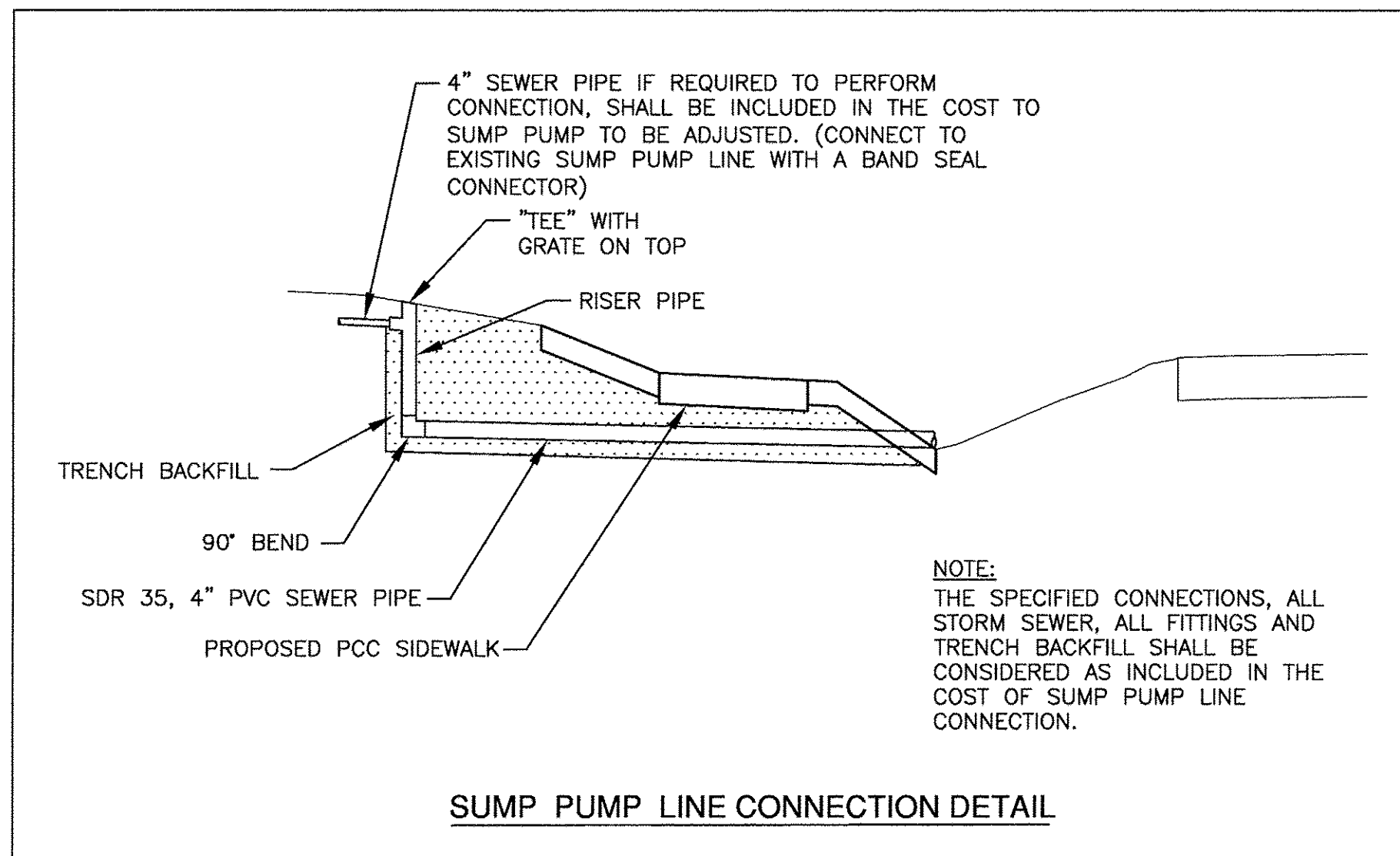
**CONSTRUCTION DETAILS
 WINCHESTER AVENUE**

SCALE: NONE SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

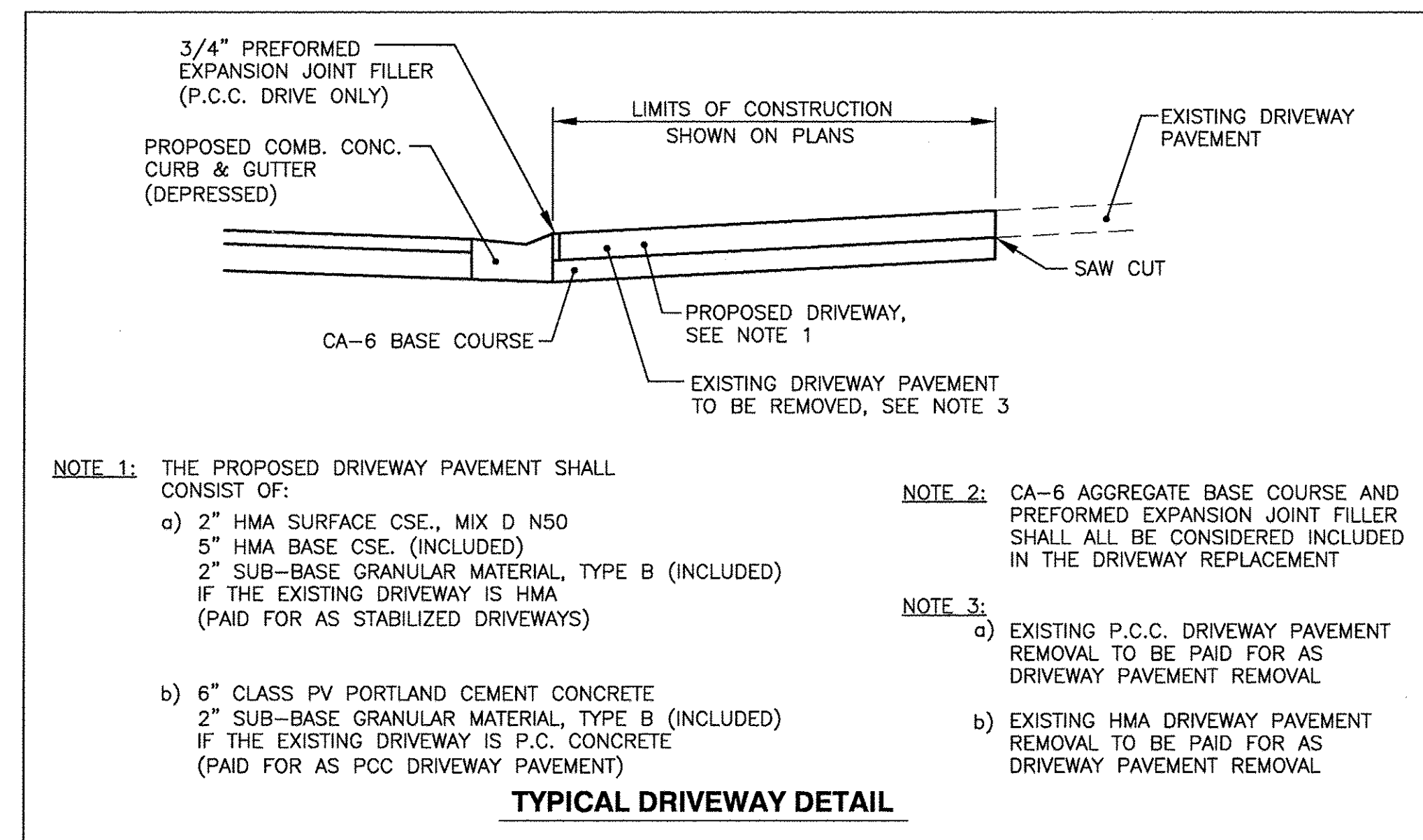
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
—	15-00061-00-SW	DUPAGE	26	10
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D69	



BUFFALO BOX ADJUSTMENT, SPECIAL DETAIL



SUMP PUMP LINE CONNECTION DETAIL

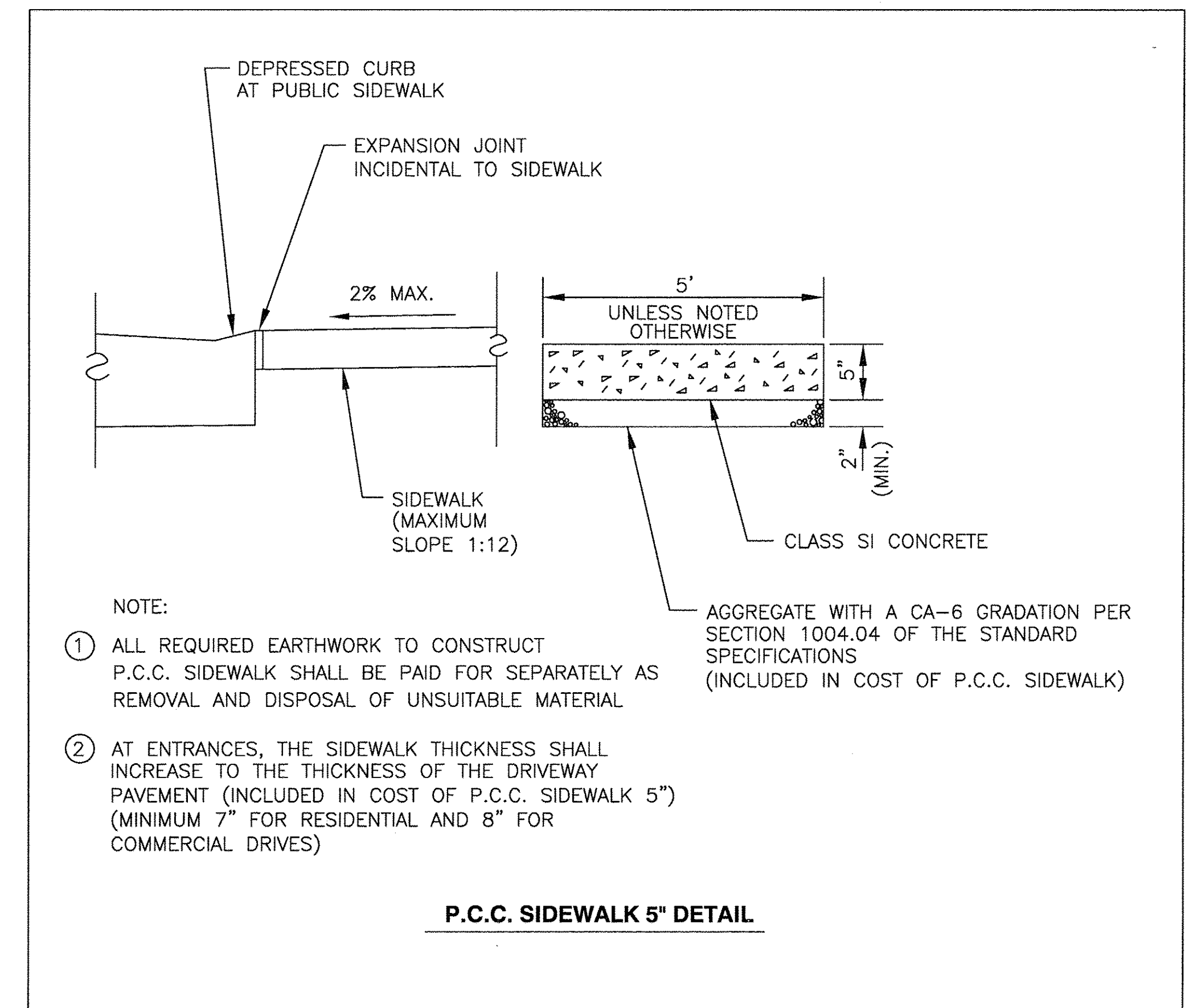


- NOTE 1:** THE PROPOSED DRIVEWAY PAVEMENT SHALL CONSIST OF:
- a) 2" HMA SURFACE CSE., MIX D N50
 - 5" HMA BASE CSE. (INCLUDED)
 - 2" SUB-BASE GRANULAR MATERIAL, TYPE B (INCLUDED) IF THE EXISTING DRIVEWAY IS HMA (PAID FOR AS STABILIZED DRIVEWAYS)
 - b) 6" CLASS PV PORTLAND CEMENT CONCRETE
 - 2" SUB-BASE GRANULAR MATERIAL, TYPE B (INCLUDED) IF THE EXISTING DRIVEWAY IS P.C. CONCRETE (PAID FOR AS PCC DRIVEWAY PAVEMENT)

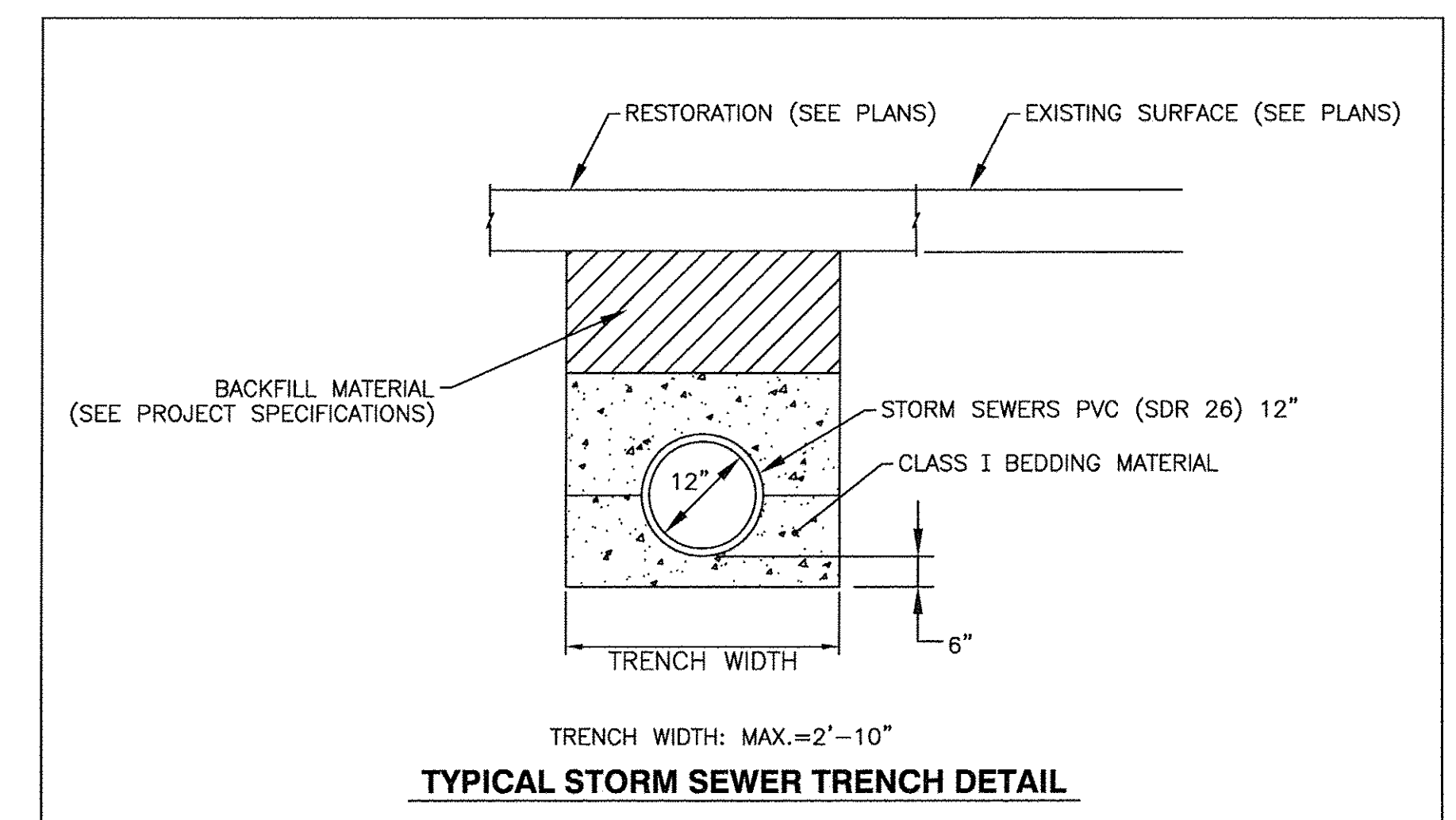
NOTE 2: CA-6 AGGREGATE BASE COURSE AND PREFORMED EXPANSION JOINT FILLER SHALL ALL BE CONSIDERED INCLUDED IN THE DRIVEWAY REPLACEMENT

- NOTE 3:**
- a) EXISTING P.C.C. DRIVEWAY PAVEMENT REMOVAL TO BE PAID FOR AS DRIVEWAY PAVEMENT REMOVAL
 - b) EXISTING HMA DRIVEWAY PAVEMENT REMOVAL TO BE PAID FOR AS DRIVEWAY PAVEMENT REMOVAL

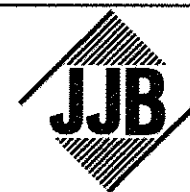
TYPICAL DRIVEWAY DETAIL



P.C.C. SIDEWALK 5" DETAIL



TYPICAL STORM SEWER TRENCH DETAIL



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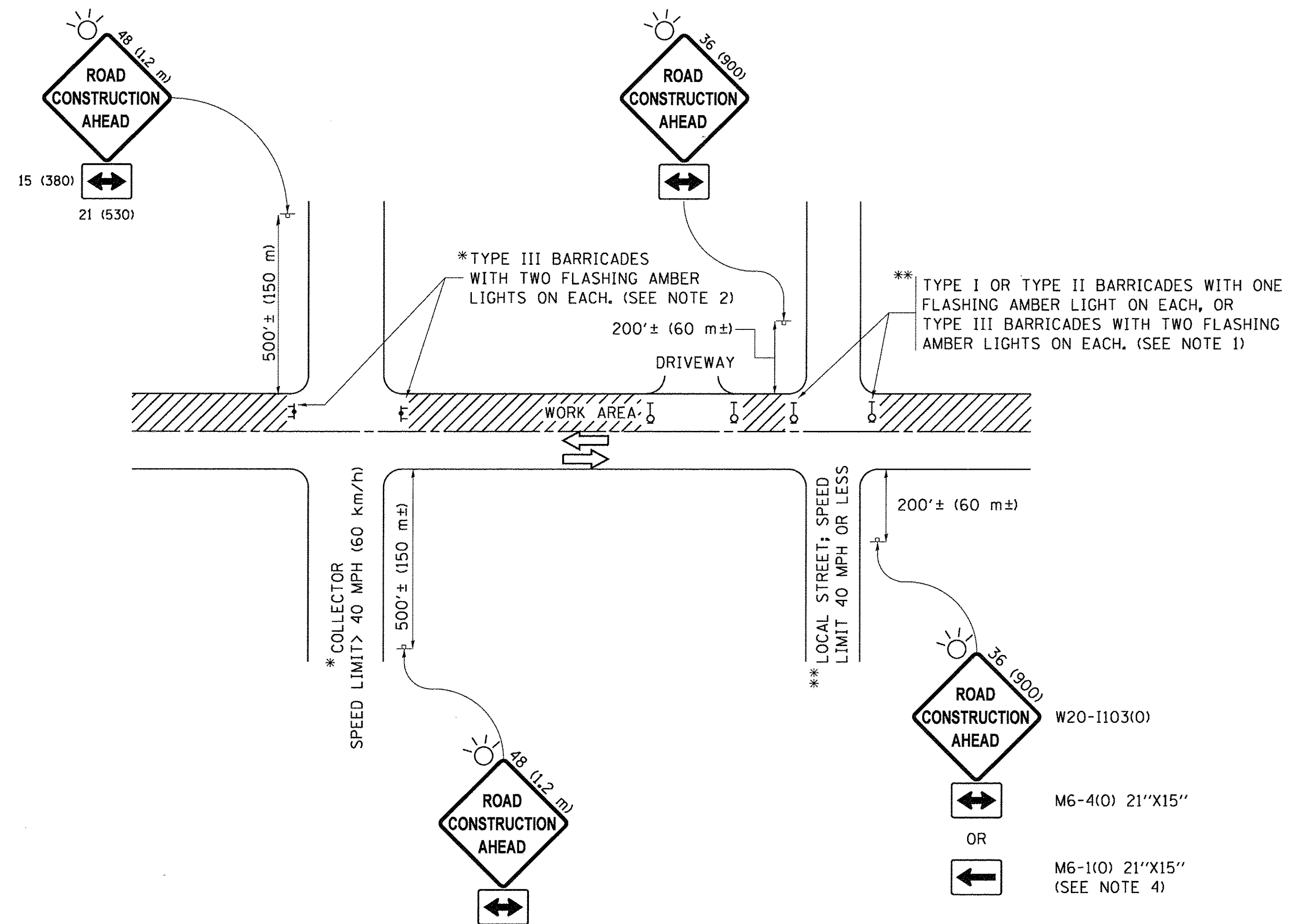
DESIGNED	— BDH	REVISED	—
DRAWN	— SMP	REVISED	—
CHECKED	— BDH	REVISED	—
DATE	— 1/27/2017	REVISED	—

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION DETAILS
 WINCHESTER AVENUE**

SCALE: NONE SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
—	15-00061-00-SW	DUPAGE	26	11
			CONTRACT NO. 61D69	
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.

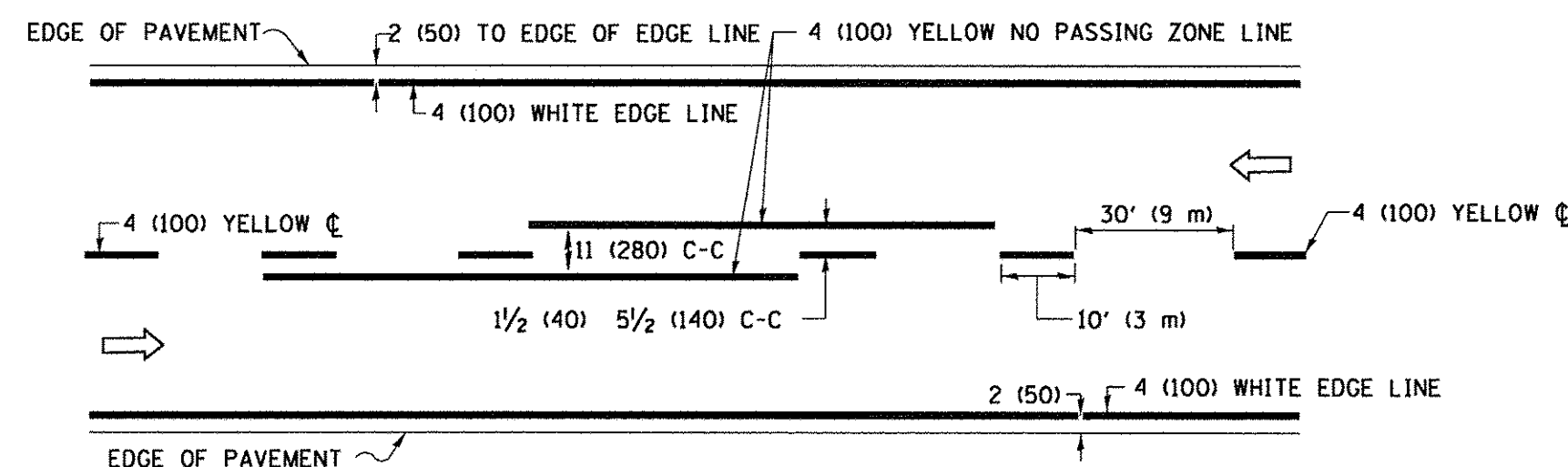
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Default	PLOT SCALE = 50.000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

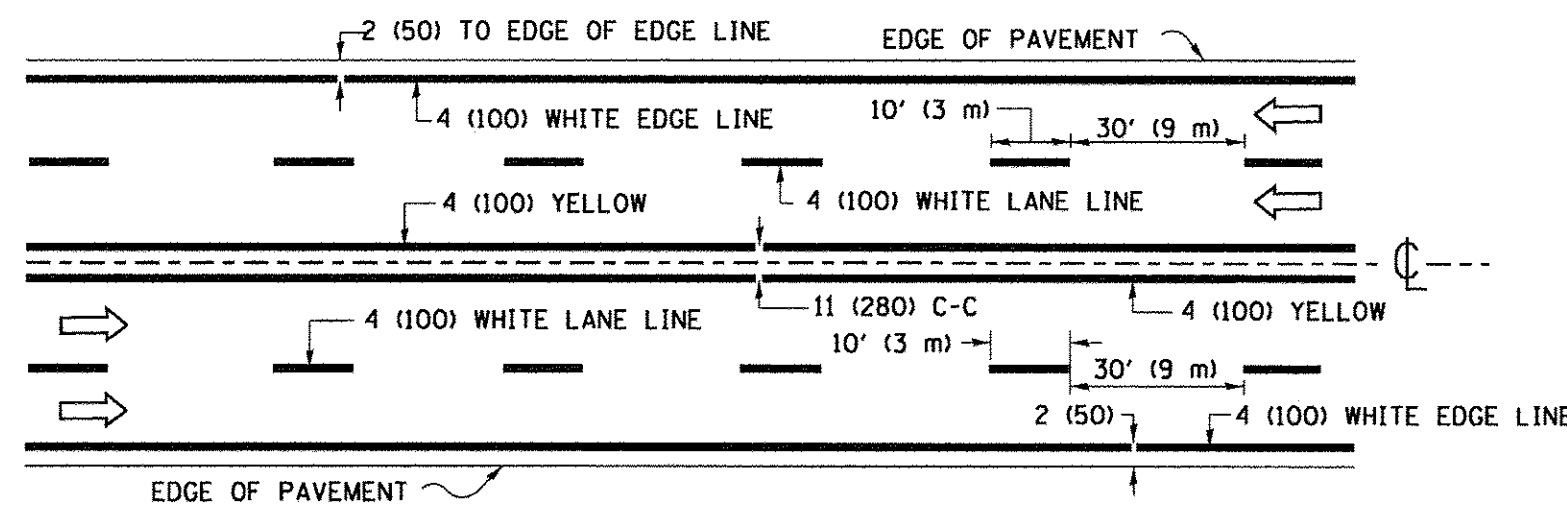
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

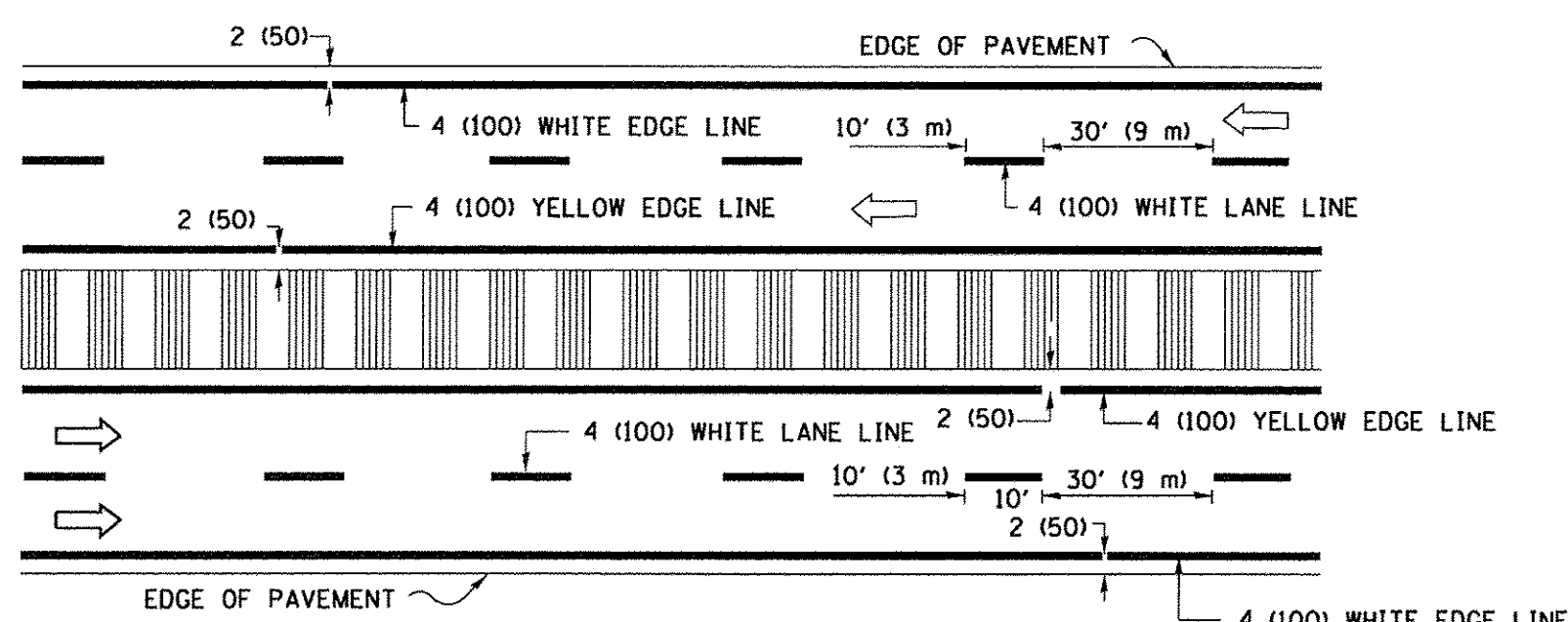
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00061-00-SW	DUPAGE	26	12
TC-10			CONTRACT NO. 6108	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

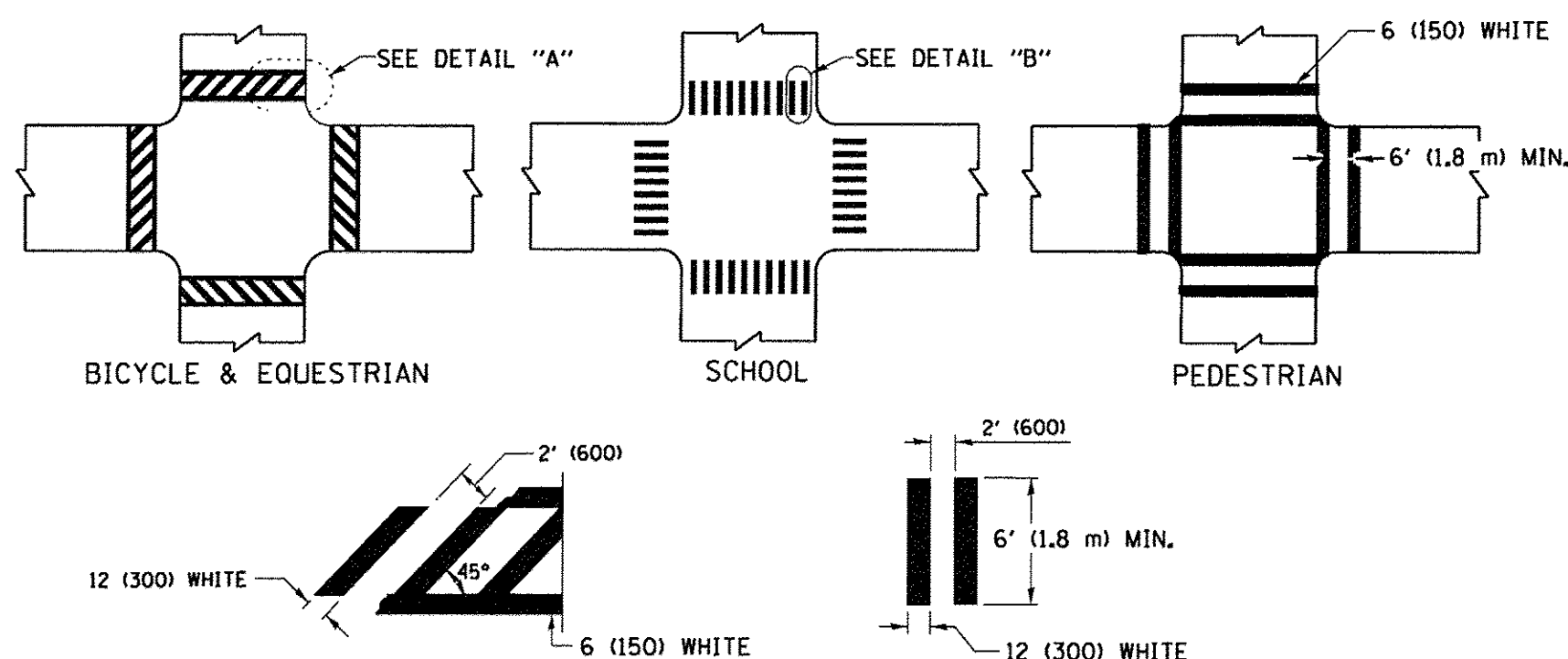


MULTI-LANE UNDIVIDED



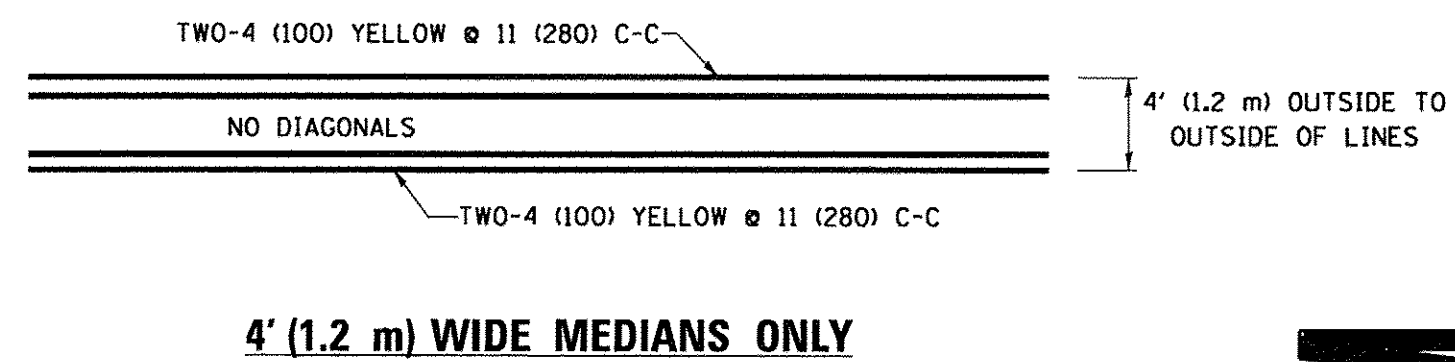
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

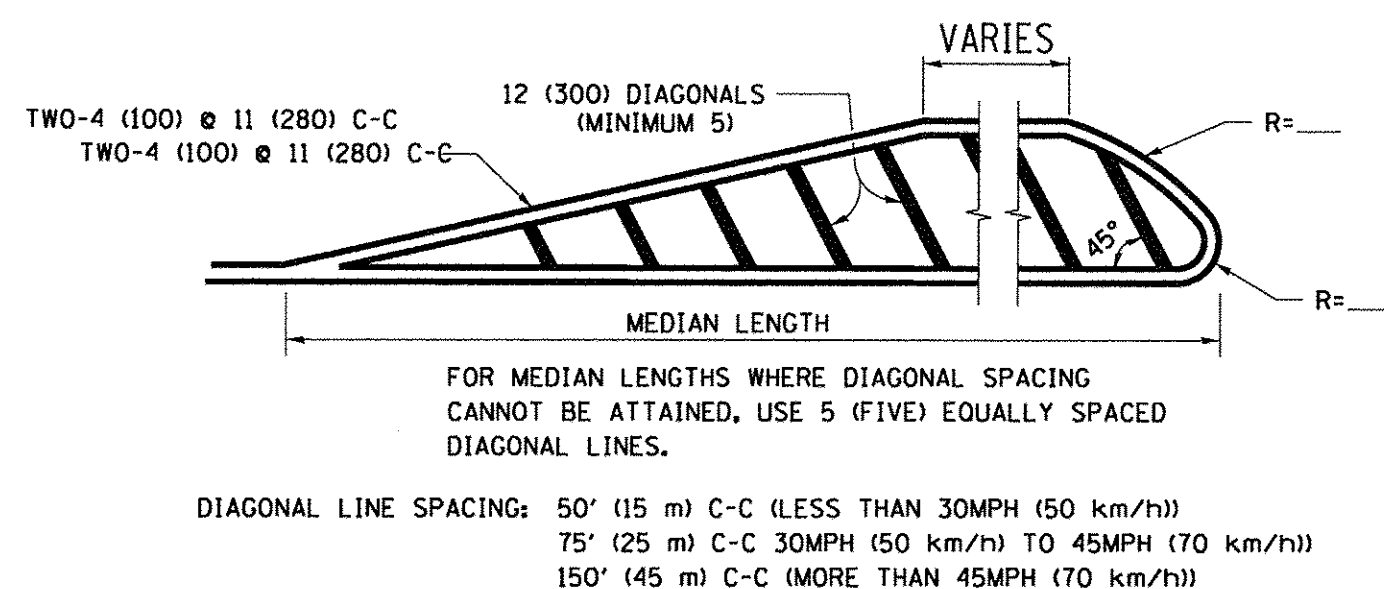


DETAIL "A" TYPICAL CROSSWALK MARKING

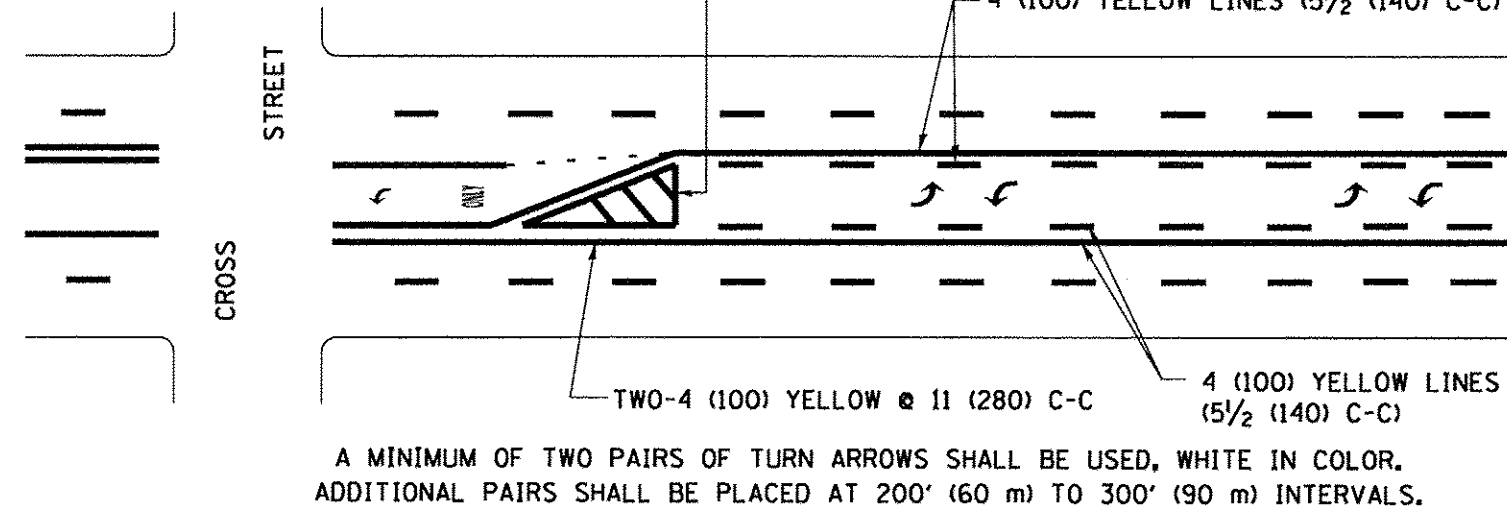
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



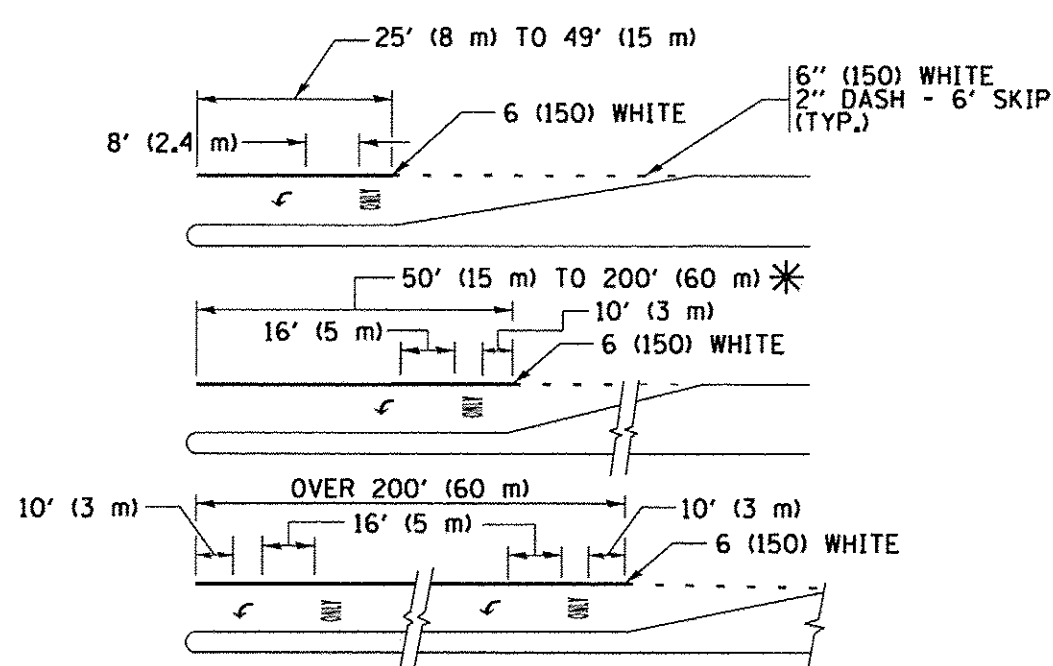
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE

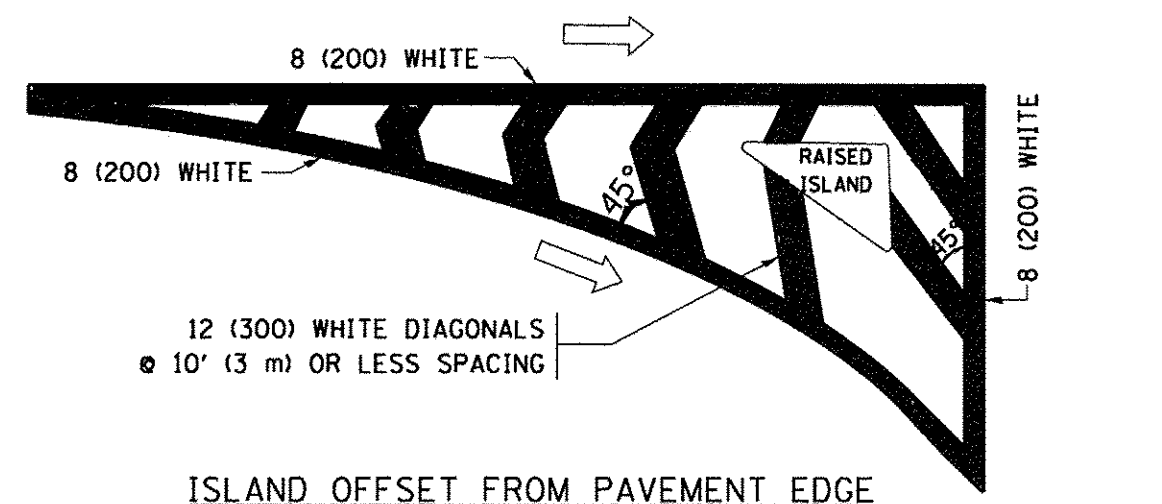


MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING

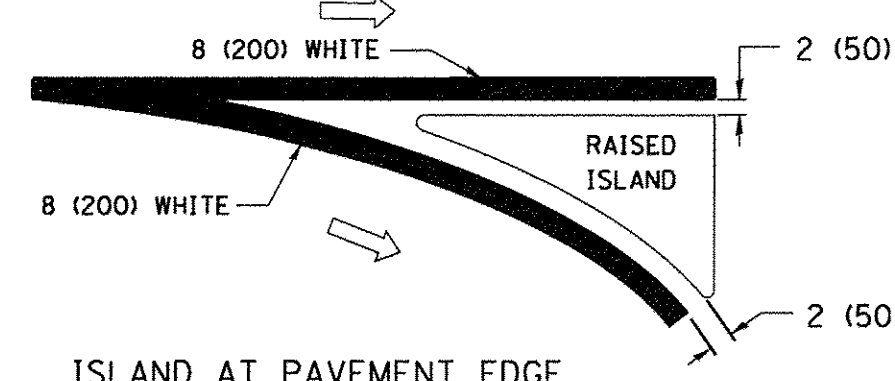


TYPICAL LEFT (OR RIGHT) TURN LANE

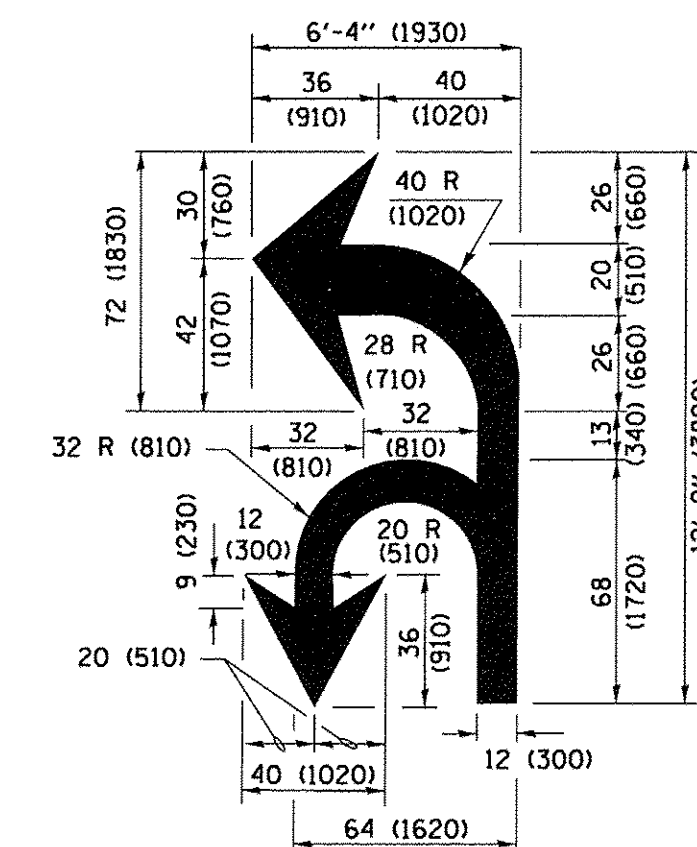
TYPICAL TURN LANE MARKING



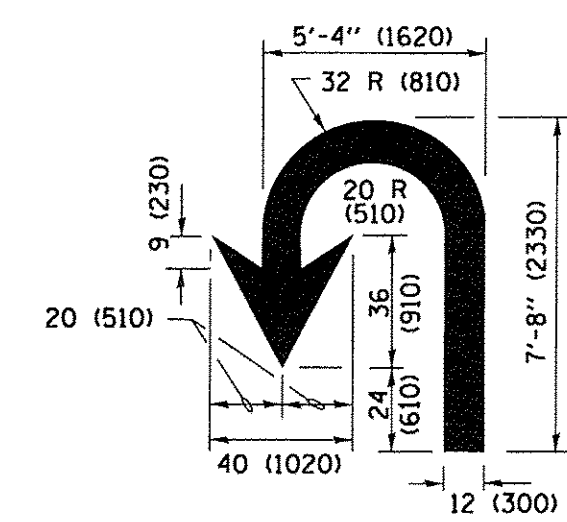
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 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 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 CROSSWALK CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

FILE NAME =	USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
pw\11084EBIDINTEG\illinois.gov\PIWIDOT\Documents\1100T Offices\District 1\Projects\Dist 1\DRAW\CADData\CADsheets\tcl3.dgn		CHECKED -	REVISED - C. JUCIUS 07-01-13
	PLOT SCALE = 50.0000' / in.	DATE - 1/27/2017	REVISED - C. JUCIUS 12-21-15
Default	PLOT DATE = 4/13/2016		REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

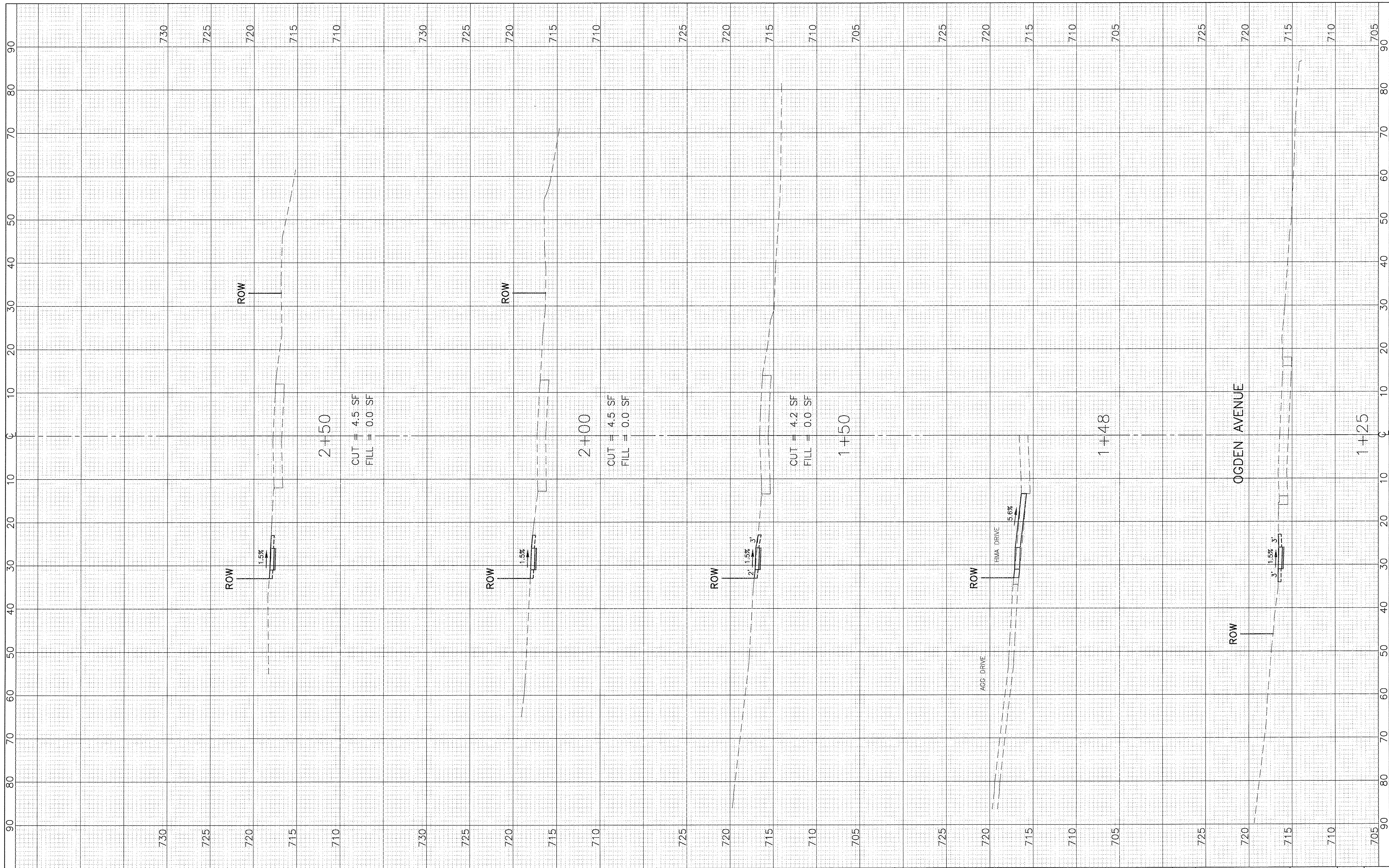
DISTRICT ONE TYPICAL PAVEMENT MARKINGS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00061-00-SW	DUPAGE	26	13
TC-13			CONTRACT NO. 61069	
ILLINOIS FED. AID PROJECT				

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

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



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DRAWN	SMP	REVISED	--
CHECKED	BDH	REVISED	--
DATE	1/27/2017	REVISED	--

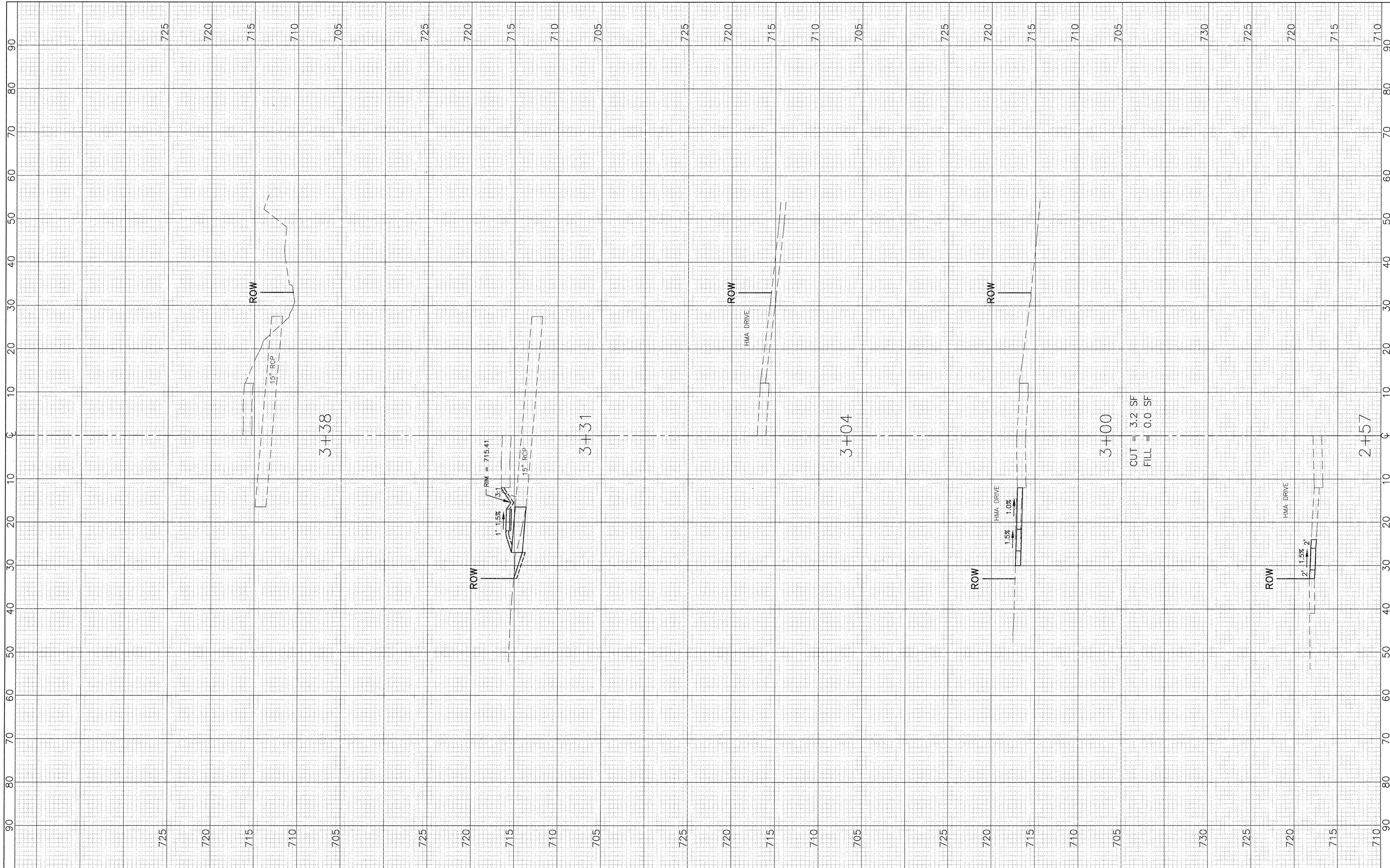
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 WINCHESTER AVENUE**
 SCALE: 1"=10' HOR.
 SCALE: 1"=5' VERT.
 SHEET NO. OF SHEETS STA. 1+25 TO STA. 2+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	15-00061-00-SW	DuPAGE	26	14
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D69	

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

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



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DRAWN	—	SMP	REVISED	—	—
CHECKED	—	BDH	REVISED	—	—
DATE	—	1/27/2017	REVISED	—	—

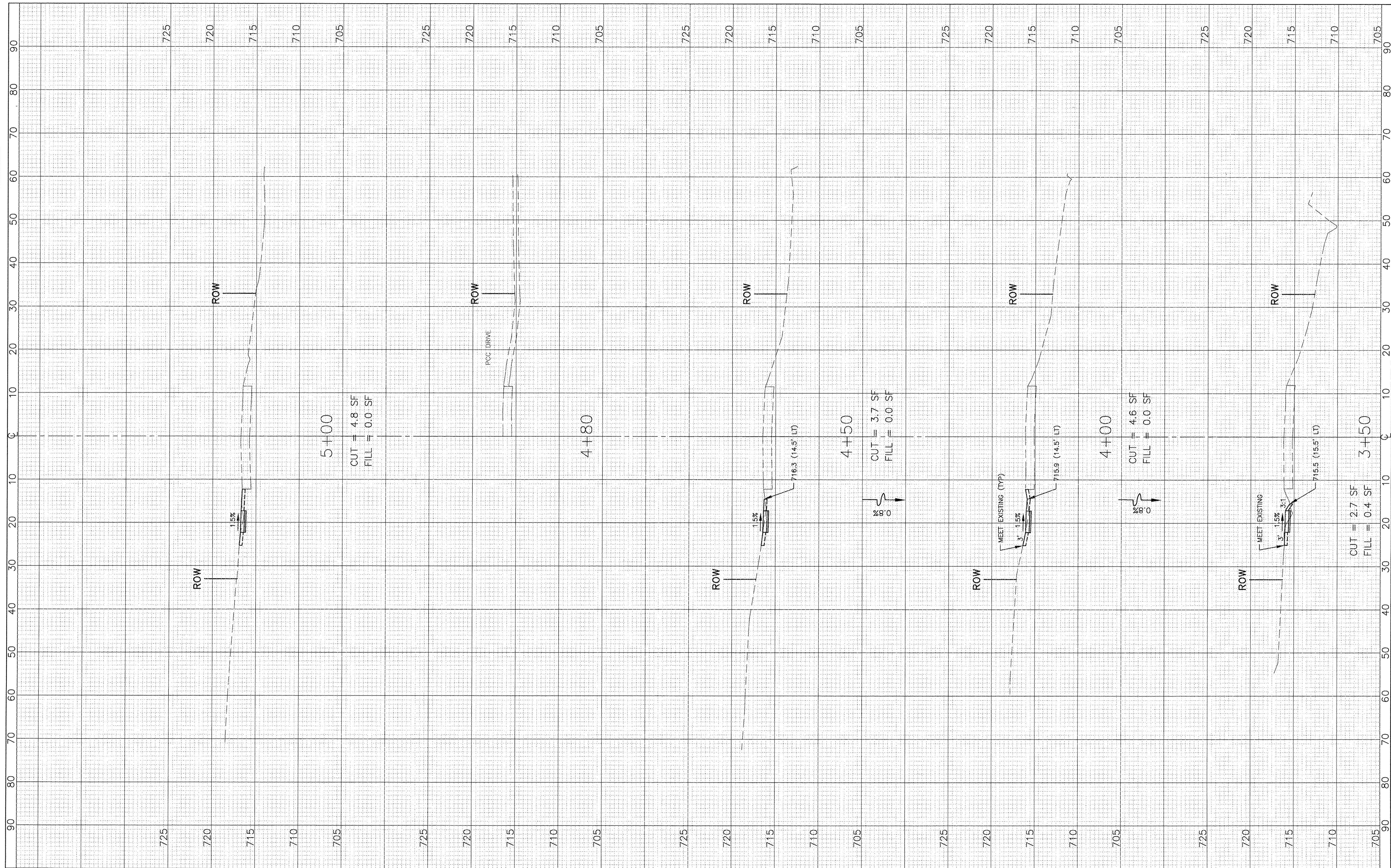
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
WINCHESTER AVENUE
 SCALE: 1"=10' HOR.
 SCALE: 1"=5' VERT.
 SHEET NO. OF SHEETS
 STA. 2+57 TO STA. 3+38

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
—	15-00061-00-SW	DuPAGE	26	15
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D69	

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

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



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DRAWN	—	SMP	REVISED	—	—
CHECKED	—	BDH	REVISED	—	—
DATE	—	1/27/2017	REVISED	—	—

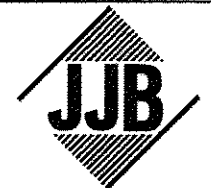
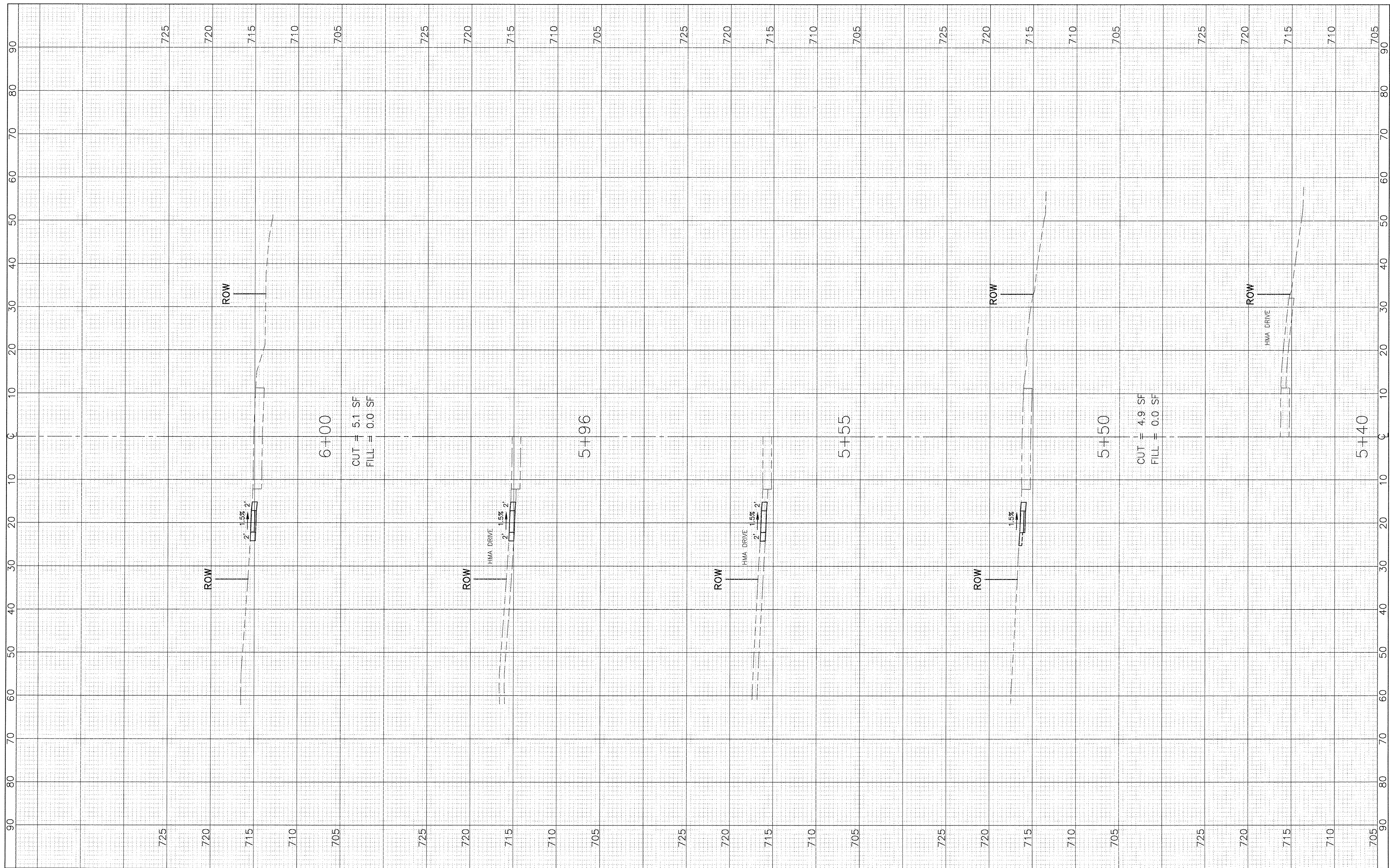
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 WINCHESTER AVENUE**

1"=10' HOR.
 SCALE: 1"=5' VERT.

SHEET NO. OF SHEETS STA. 3+50 TO STA. 5+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
—	15-00061-00-SW	DuPAGE	26	16
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D69	



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DRAWN	- SMP	REVISED	-
CHECKED	- BDH	REVISED	-
DATE	- 1/27/2017	REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 WINCHESTER AVENUE**

SCALE: 1" = 5' VERT.
 1" = 10' HOR.

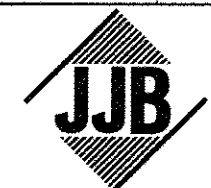
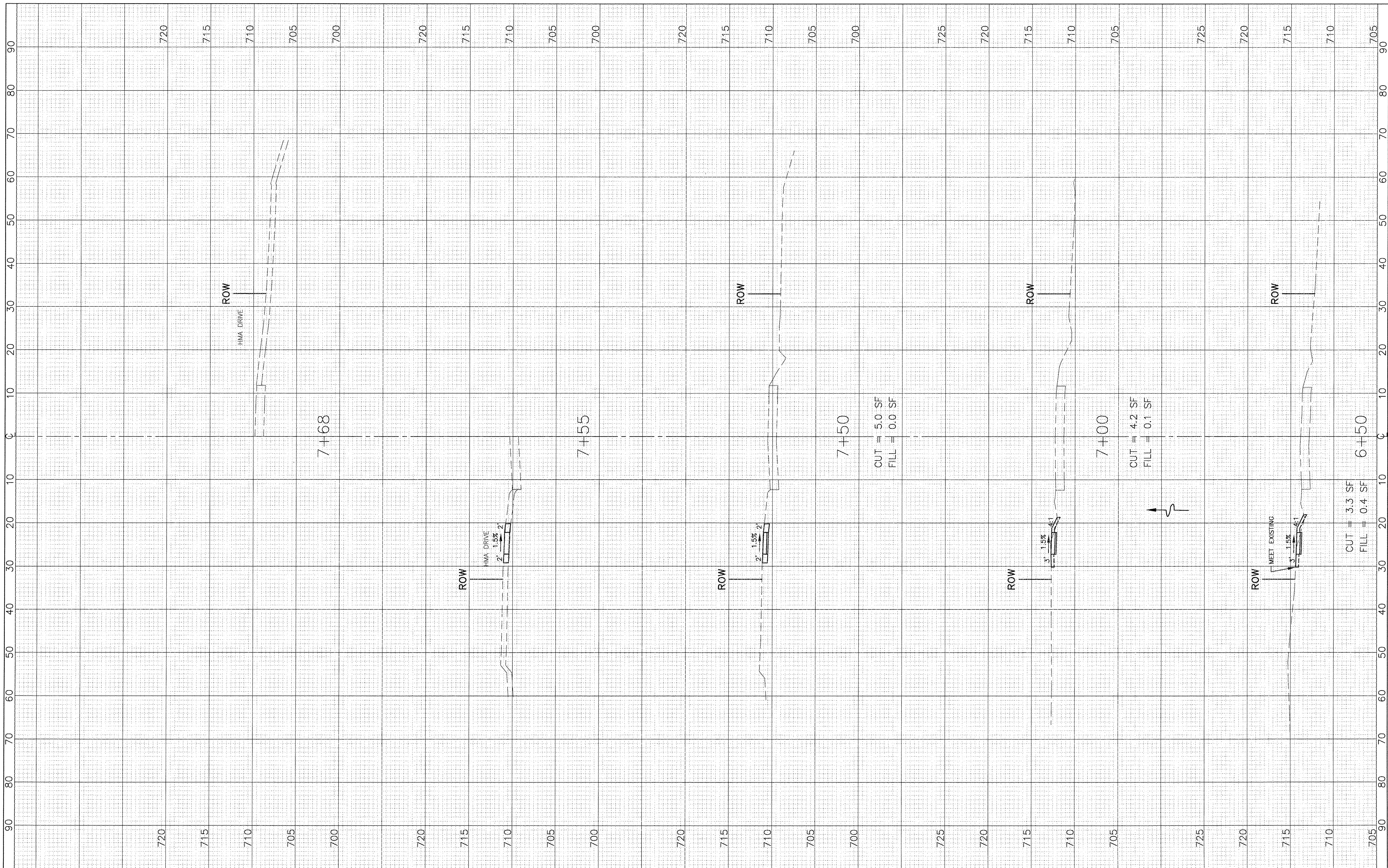
SHEET NO. OF SHEETS

STA. 5+40 TO STA. 6+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	15-00061-00-SW	DuPAGE	26	17
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D69	

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

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



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DRAWN	—	SMP	REVISED	—	—
CHECKED	—	BDH	REVISED	—	—
DATE	—	1/27/2017	REVISED	—	—

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 WINCHESTER AVENUE**

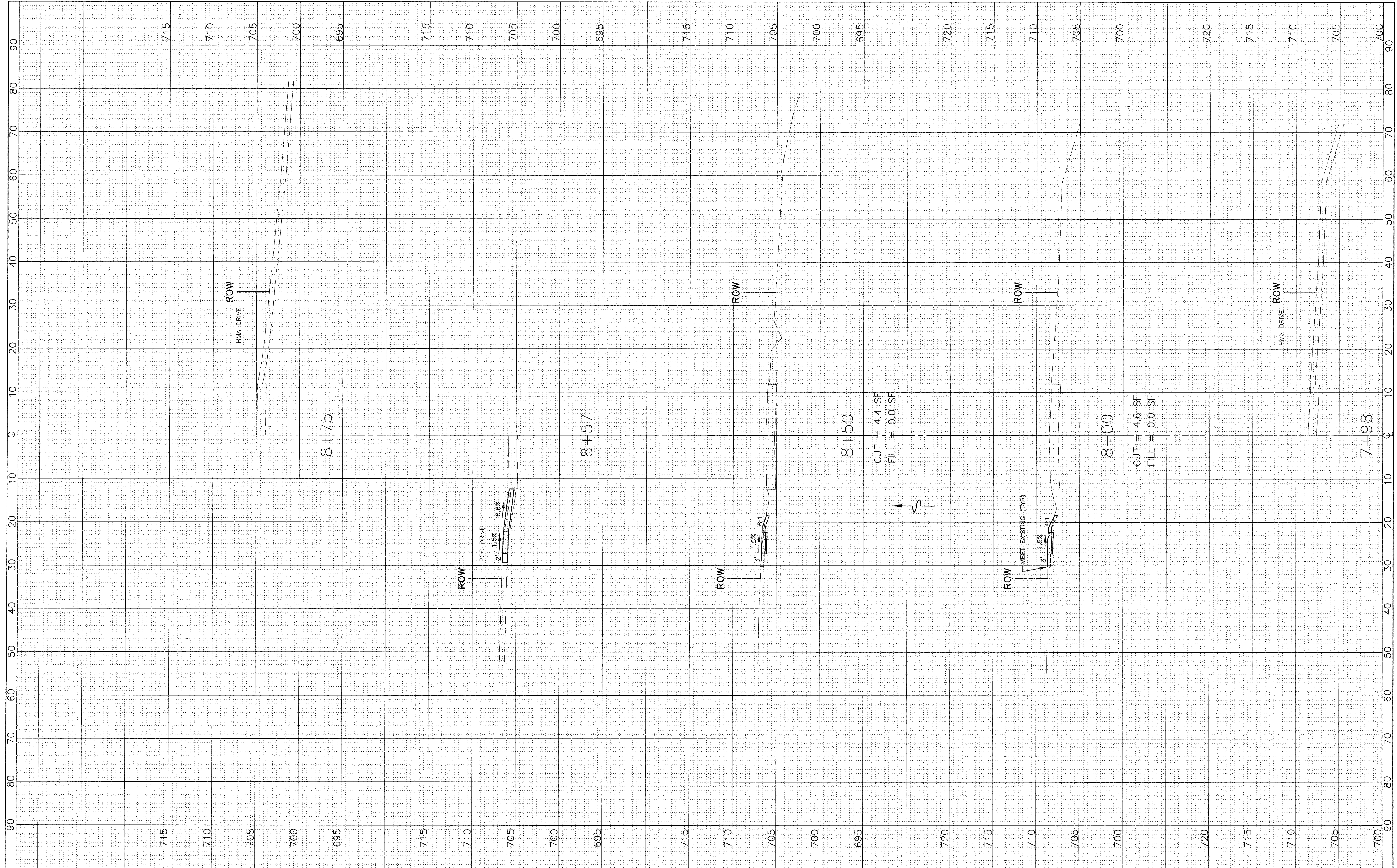
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 1"=5' VERT.

SHEET NO. OF SHEETS STA. 6+50 TO STA. 7+68

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
—	15-00061-00-SW	DuPAGE	26	18
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D69	

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

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



CUT = 4.4 SF
FILL = 0.0 SF

CUT = 4.6 SF
FILL = 0.0 SF

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DRAWN	—	SMP	REVISED	—	—
CHECKED	—	BDH	REVISED	—	—
DATE	—	1/27/2017	REVISED	—	—

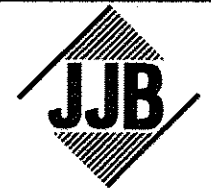
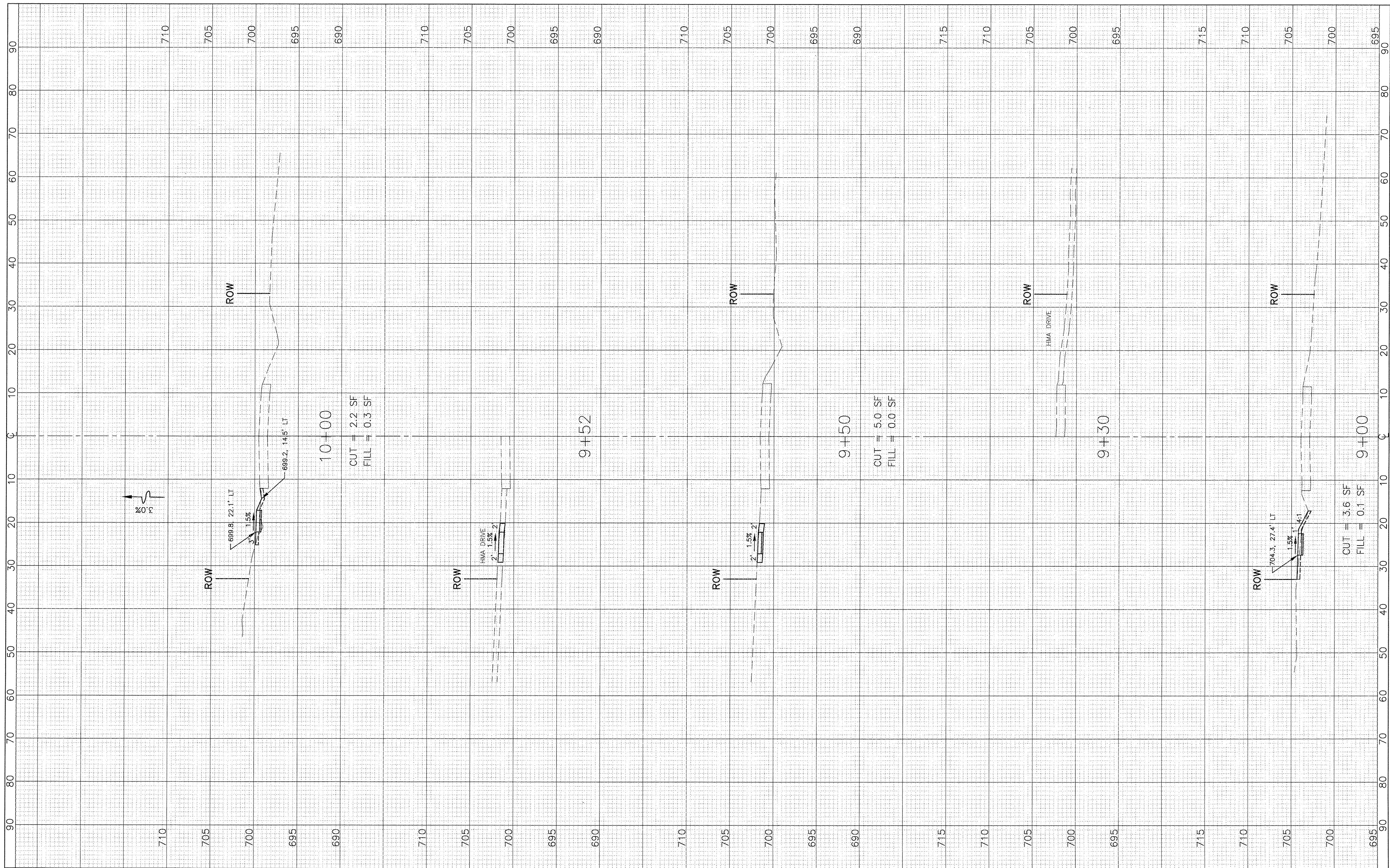
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 WINCHESTER AVENUE**
 SCALE: 1"=10' HOR.
 SCALE: 1"=5' VERT.
 SHEET NO. OF SHEETS
 STA. 7+98 TO STA. 8+75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
—	15-00061-00-SW	DuPAGE	26	19
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D69	

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

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



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DRAWN	—	SMP	REVISED	—	—
CHECKED	—	BDH	REVISED	—	—
DATE	—	1/27/2017	REVISED	—	—

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
WINCHESTER AVENUE**

1"=10' HOR.
SCALE: 1"=5' VERT.

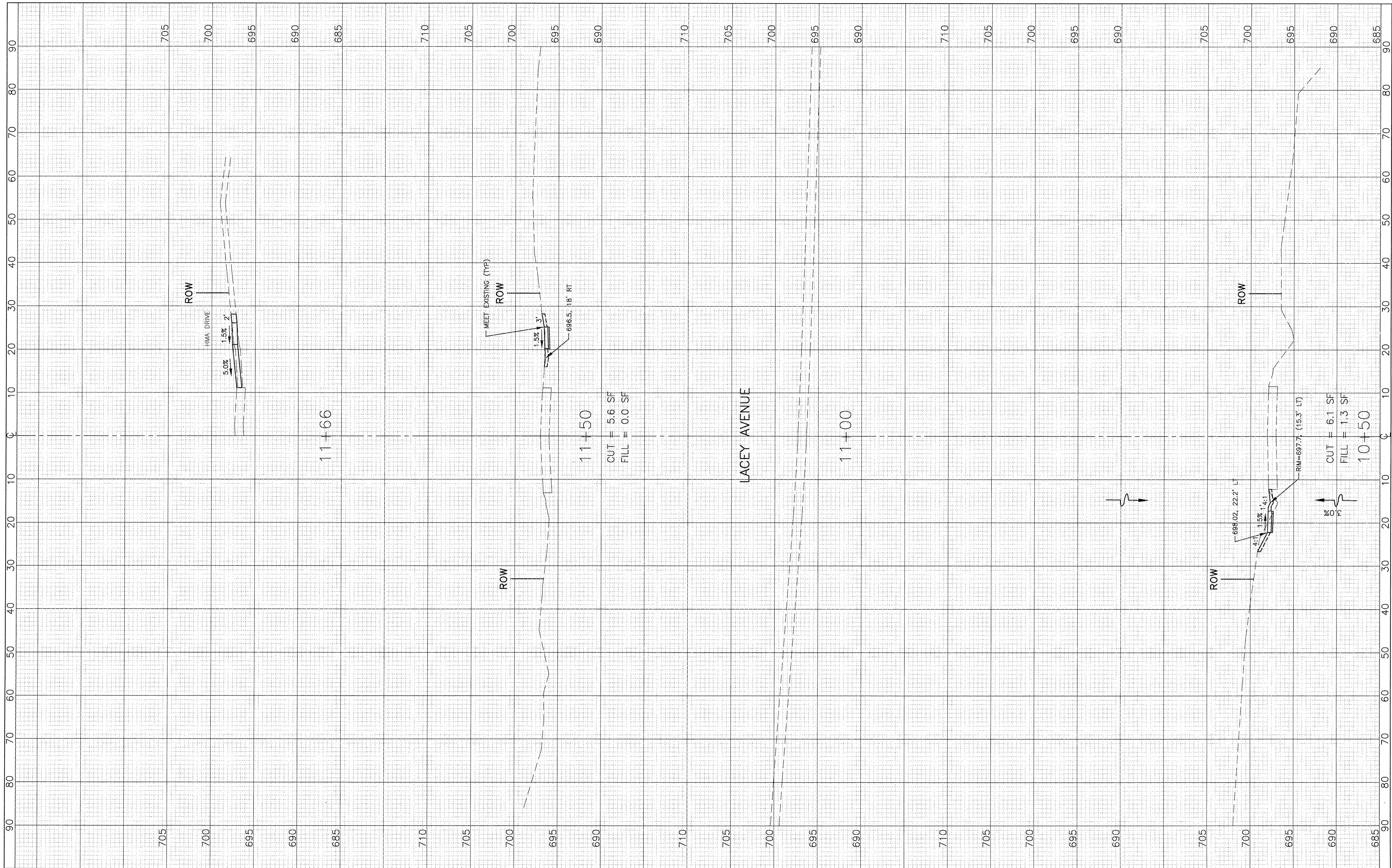
SHEET NO. OF SHEETS

STA. 9+00 TO STA. 10+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
—	15-00061-00-SW	DuPAGE	26	20
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D69	

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

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



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
WINCHESTER AVENUE**

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CHECKED	—	BDH	REVISED	—	—
DATE	—	1/27/2017	REVISED	—	—

DESIGNED	—	BDH	REVISED	—	—
DRAWN	—	SMP	REVISED	—	—
CHECKED	—	BDH	REVISED	—	—
DATE	—	1/27/2017	REVISED	—	—

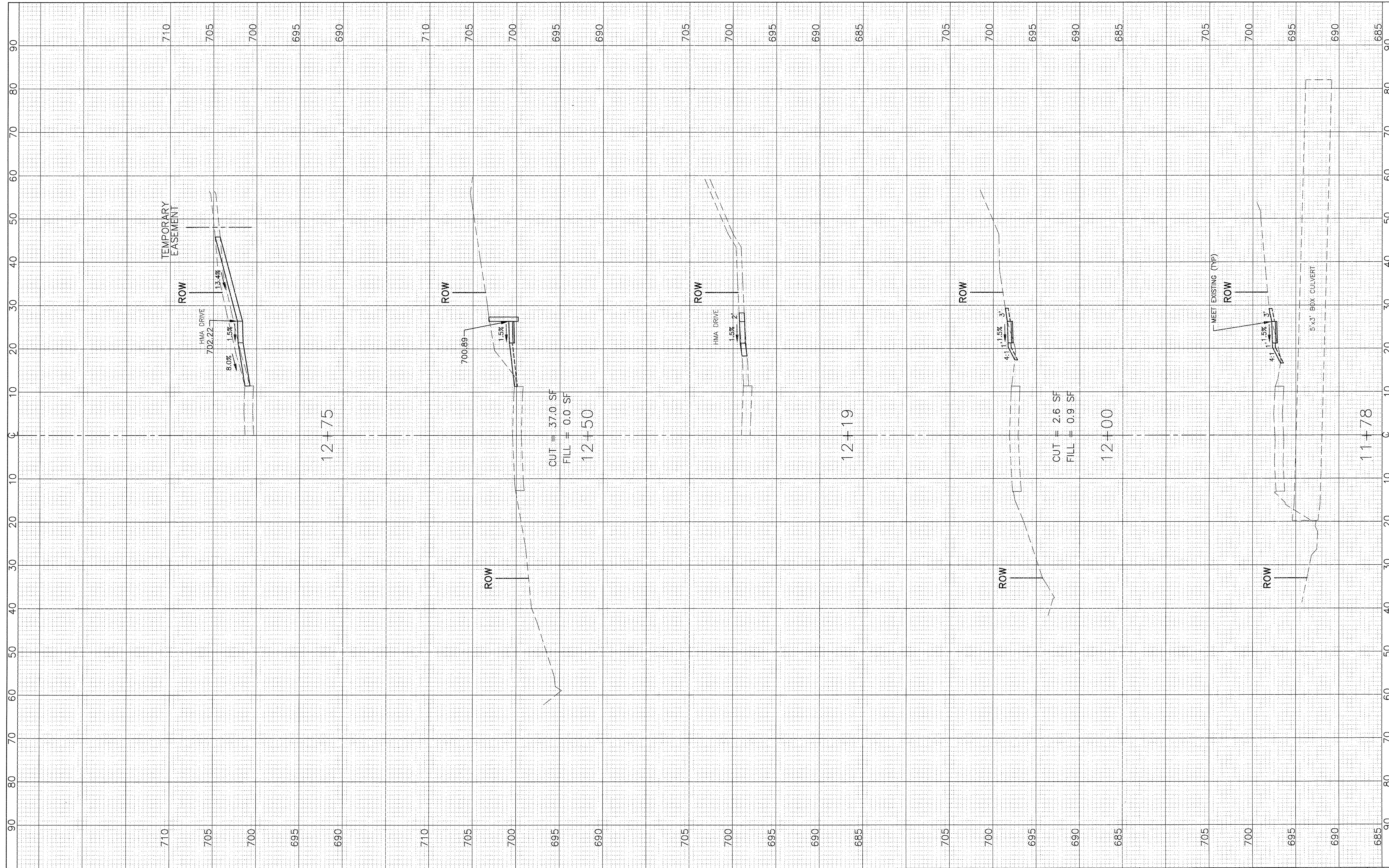
1"=10' HOR.
 SCALE: 1"=5' VERT.

SHEET NO.	OF SHEETS	STA. 10+50 TO STA. 11+66
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
—	15-00061-00-SW	DuPAGE	26	21
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D69	

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

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



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DRAWN	—	SMP	REVISED	—	—
CHECKED	—	BDH	REVISED	—	—
DATE	—	1/27/2017	REVISED	—	—

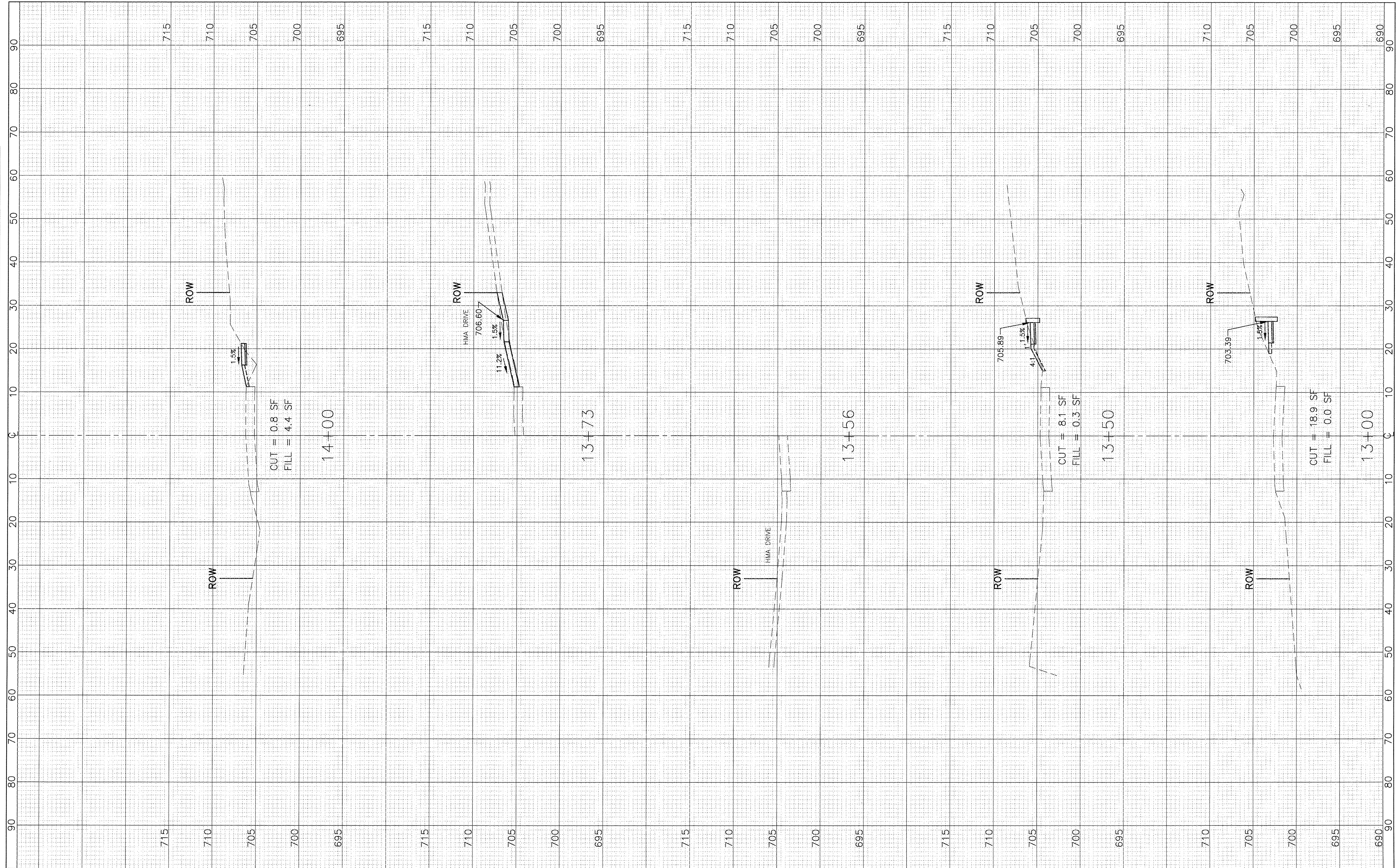
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS	
WINCHESTER AVENUE	
1"=10' HOR. SCALE: 1"=5' VERT.	SHEET NO. OF SHEETS
STA. 11+78 TO STA. 12+75	SHEET NO. OF SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
—	15-00061-00-SW	DuPAGE	26	22
CONTRACT NO. 61D69				
ILLINOIS FED. AID PROJECT				

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

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



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DRAWN	—	SMP	REVISED	—	—
CHECKED	—	BDH	REVISED	—	—
DATE	—	1/27/2017	REVISED	—	—

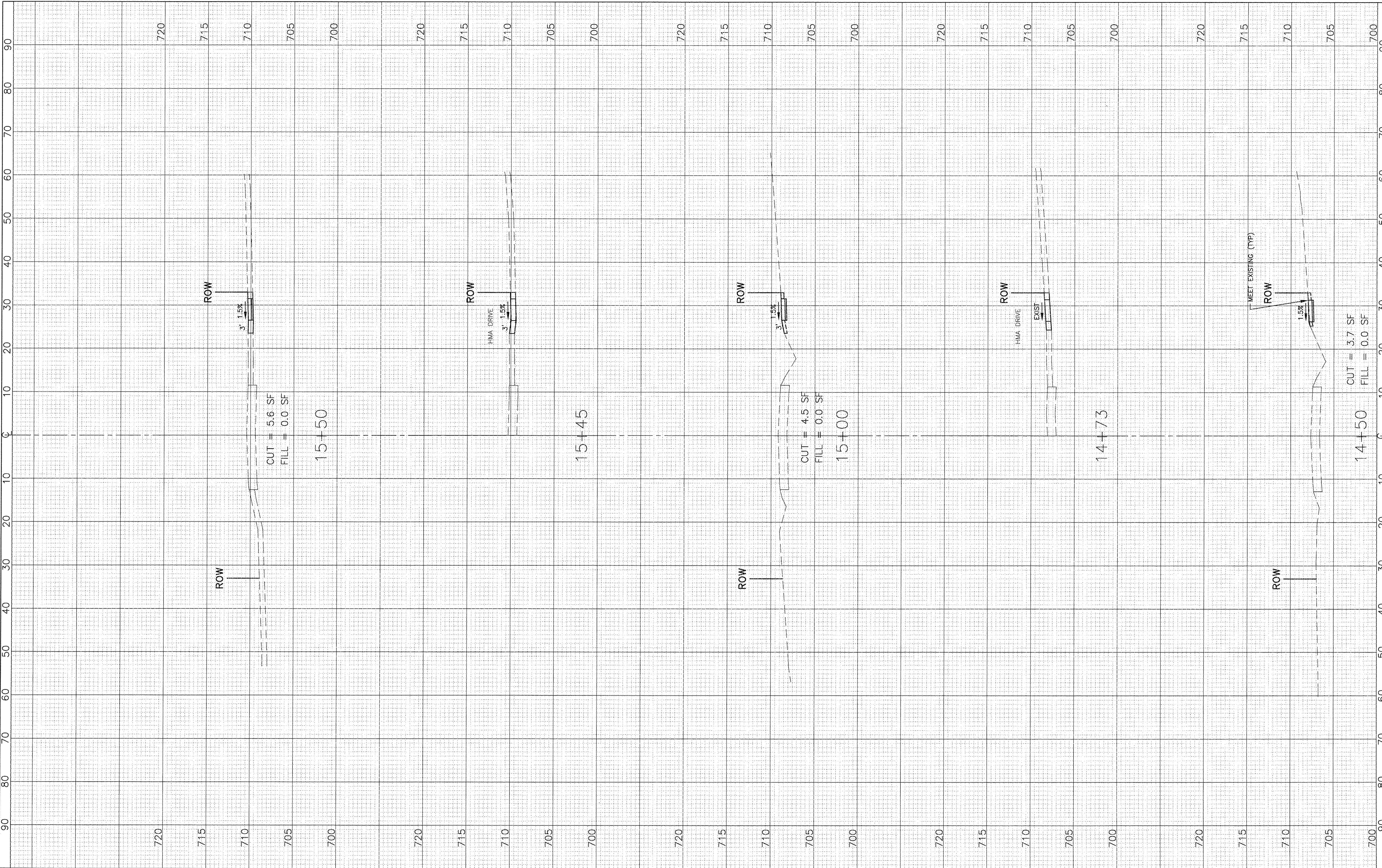
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
WINCHESTER AVENUE
 SCALE: 1"=10' HOR.
 SCALE: 1"=5' VERT.
 SHEET NO. OF SHEETS
 STA. 13+00 TO STA. 14+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
—	15-00061-00-SW	DuPAGE	26	23
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D69	

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

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



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DRAWN	—	SMP	REVISED	—	—
CHECKED	—	BDH	REVISED	—	—
DATE	—	1/27/2017	REVISED	—	—

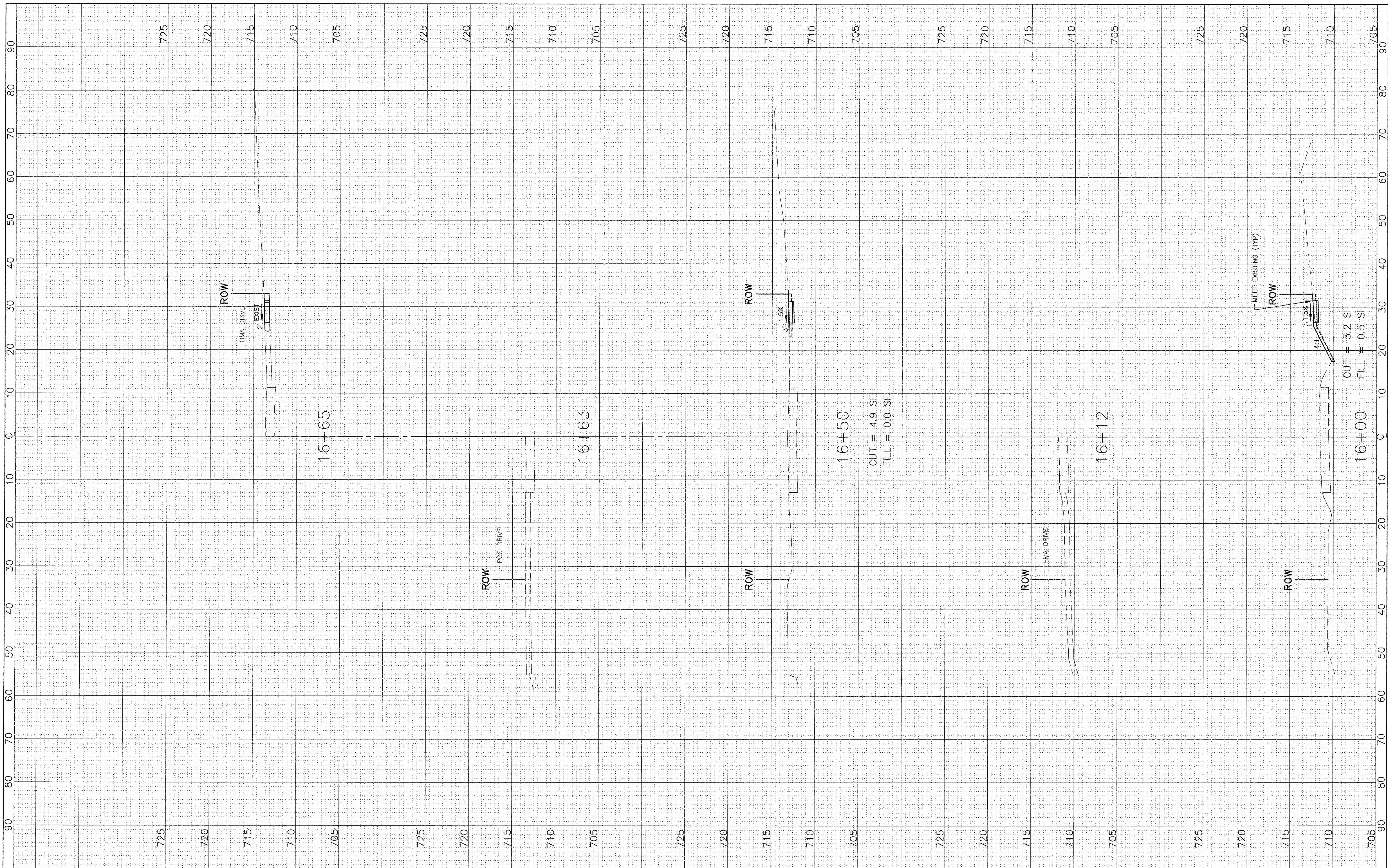
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS WINCHESTER AVENUE	
SCALE: 1"=10' HOR. 1"=5' VERT.	SHEET NO. OF SHEETS
STA. 14+50 TO STA. 15+50	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
—	15-00061-00-SW	DUPAGE	26	24
ILLINOIS FED. AID PROJECT				

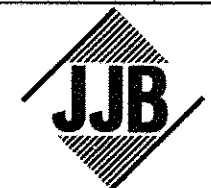
FINAL SURVEY PLOTTED	BY	DATE
NOTE BOOK		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY PLOTTED	BY	DATE
NOTE BOOK		
AREAS CHECKED		
NO.		



CUT = 4.9 SF
FILL = 0.0 SF

CUT = 3.2 SF
FILL = 0.5 SF



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DRAWN	—	SMP	REVISED	—	—
CHECKED	—	BDH	REVISED	—	—
DATE	—	1/27/2017	REVISED	—	—

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

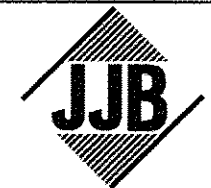
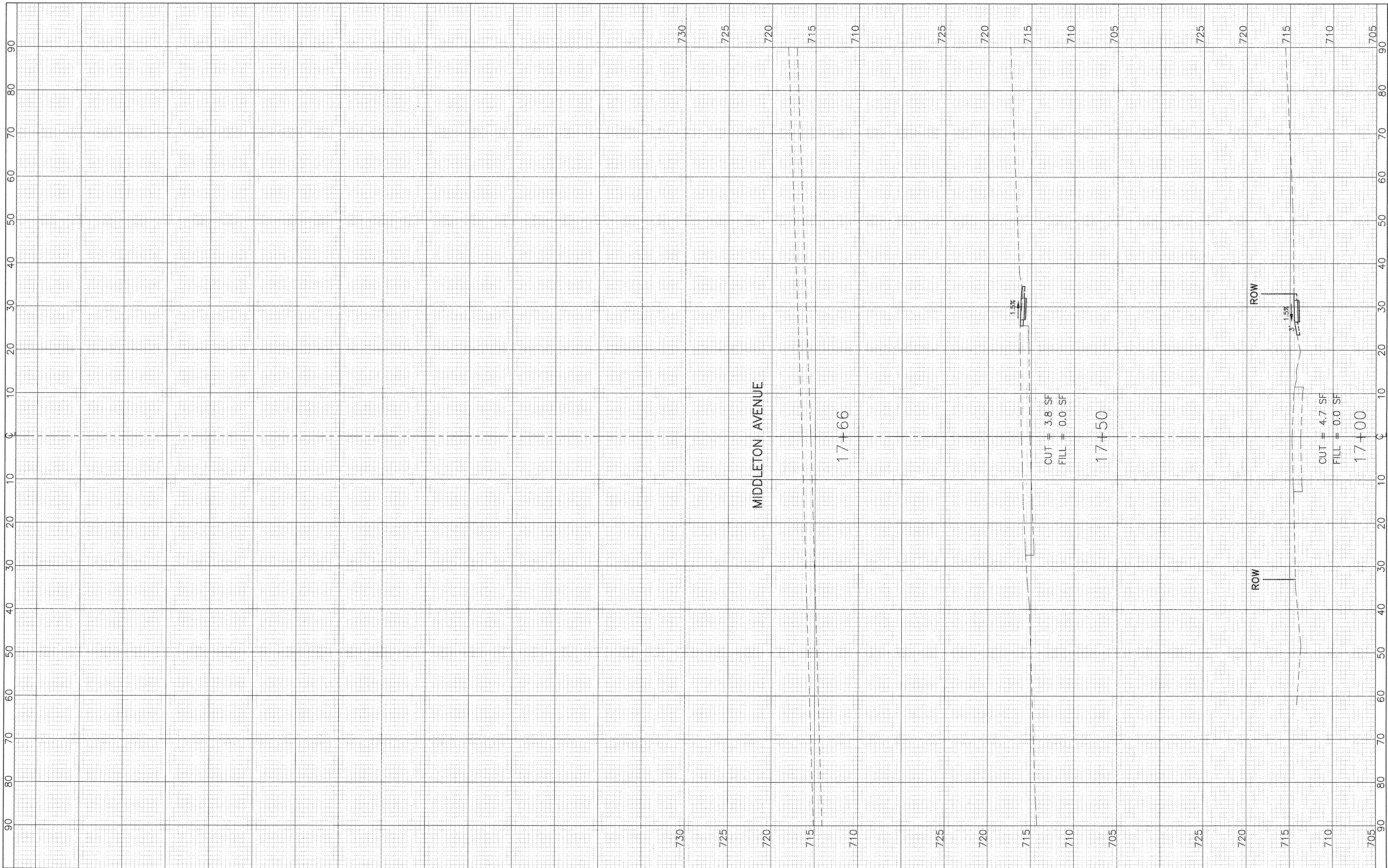
**CROSS SECTIONS
WINCHESTER AVENUE**

SCALE: 1"=5' VERT. SHEET NO. OF SHEETS STA. 16+00 TO STA. 16+65

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
—	15-00061-00-SW	DuPAGE	26	25
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D69	

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

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



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 Tel. (630) 719-7570 • Fax (630) 719-7589

DESIGNED	—	BDH	REVISED	—	---
DRAWN	—	SMP	REVISED	—	---
CHECKED	—	BDH	REVISED	—	---
DATE	—	1/27/2017	REVISED	—	---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
WINCHESTER AVENUE

SCALE: 1"=10' HOR.
 1"=5' VERT.

SHEET NO. OF SHEETS

STA. 17+00 TO STA. 17+66

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	15-00061-00-SW	DuPAGE	26	26
			CONTRACT NO. 61D69	
ILLINOIS FED. AID PROJECT				