

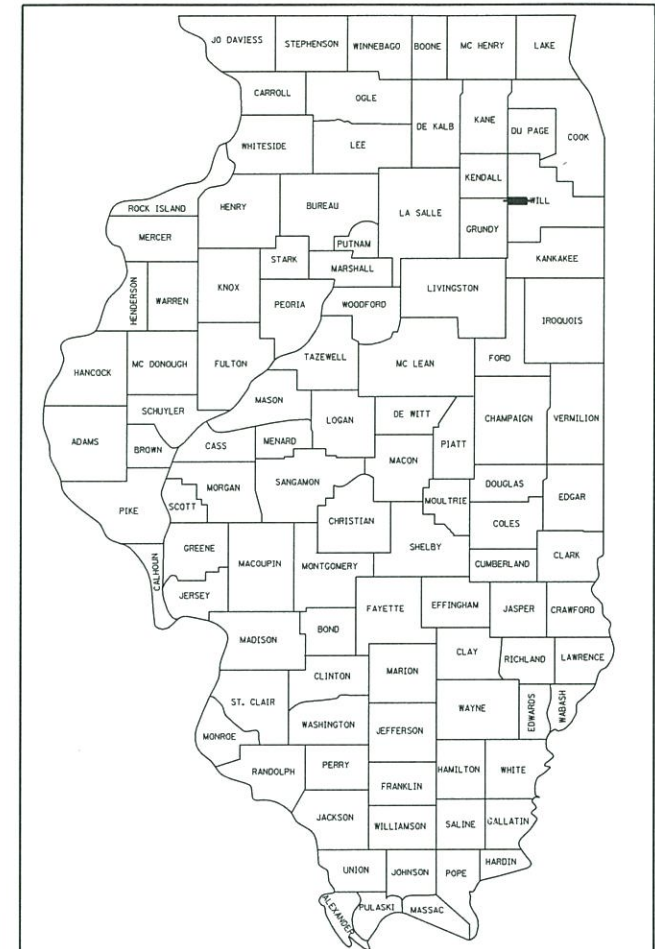
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	1
		ILLINOIS	CONTRACT NO. 61F19	

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

MUN 5085 (W. SIOUX DR.) AND
MUN 5080 (DOVE DRIVE)
SUNSET DRIVE TO US ROUTE 6
RECONSTRUCTION, DRAINAGE, LIGHTING
SECTION 16-00025-00-FP
PROJECT NO. LQ8K (257)
VILLAGE OF CHANNAHON
WILL COUNTY



LOCATION OF SECTION INDICATED THIS: - [highlighted area]

SA
STRAND
ASSOCIATES*

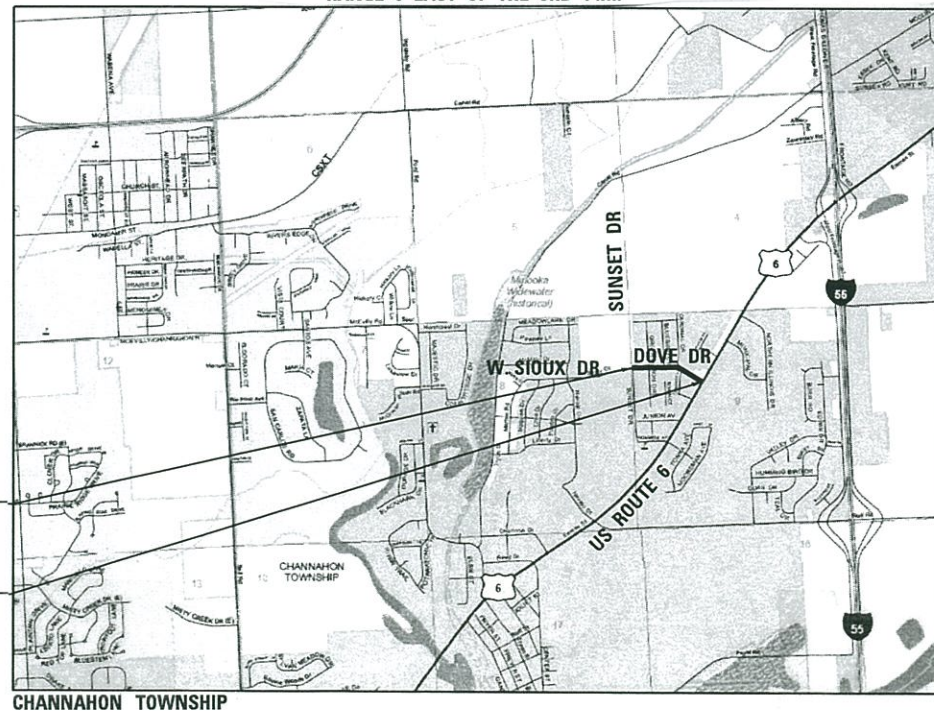
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
18151 744-4200
IDFPR NO. 184-001273

TRAFFIC DATA

DOVE DRIVE: MAJOR COLLECTOR
POSTED SPEED LIMIT = 25 MPH
DESIGN SPEED LIMIT = 30 MPH
2014 ADT = 2,040
2040 ADT = 6,040

C-91-280-16

RANGE 9 EAST OF THE 3RD P.M.



CHANNAHON TOWNSHIP

LOCATION MAP
NOT TO SCALE

GROSS LENGTH = 1812.00 FT. = 0.343 MILE
NET LENGTH = 1812.00 FT. = 0.343 MILE

STRAND ASSOCIATES, INC.
ANDREW J. RUNDE, P.E.
THIS STAMP APPLIES TO
DRAWINGS NO. [blank]

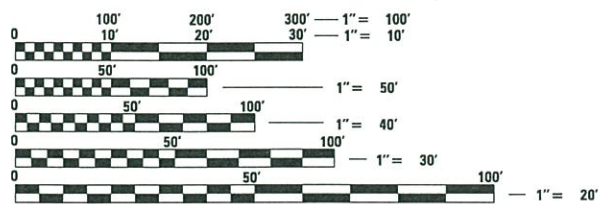
ANDREW J. RUNDE
062-055211
LICENSED
PROFESSIONAL
ENGINEER
STATE OF ILLINOIS

DATE: 7/27/2018 EXP: 11/30/2019

STRAND ASSOCIATES, INC.
MARC A. GRIGAS, P.E.

MARC A. GRIGAS
062-060836
LICENSED
PROFESSIONAL
ENGINEER
OF
ILLINOIS

DATE: 7/27/18 EXP: 11/30/19



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
STA 109 + 25.00

PROJECT ENDS
STA 127 + 37.00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Approved: *Edward S. Dolezal*
Edward S. Dolezal
Village of Channahon, Director of Public Works

Passed: *August 22, 2018*
Christopher H. Hottel
District Engineer of Local Roads & Streets

Releasing for Bid
Based on Limited
Review: *August 24, 2018*
Anthony J. Dingley
Regional Engineer

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E., SCHAUMBURG, IL

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FILE NAME = S:\JOL\6400-6499\6437\188\Drawings\CAD\MicroStation\Sheets\6437188-sh1-rndbr.dgn

	USER NAME = oshlaypr MODEL NAME = Default PLOT SCALE = 2.0000' / in. PLOT DATE = 9/19/2018	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS AND HIGHWAY STANDARDS	SCALE: N/A	SHEET 1 OF 1 SHEETS	STA. TO STA.	MUN 5080 SECTION 16-00025-00-FP COUNTY WILL TOTAL SHEETS 74 SHEET NO. 2 CONTRACT NO. 61F19 ILLINOIS FED. AID PROJECT
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GENERAL NOTES

1. THE LATEST EDITIONS OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" AS PREPARED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) SHALL GOVERN ALL WORK ASSOCIATED WITH THIS PROJECT.
2. THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" SHALL ALSO GOVERN THE PROJECT. BARRICADES AND WARNING SIGNS SHALL BE PROVIDED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND AS DESIGNATED BY THE ENGINEER.
3. CARE SHALL BE EXERCISED BY THE CONTRACTOR IN CARRYING OUT ALL EXCAVATION AND/OR TRENCHING OPERATIONS SO THAT SPRINKLER SYSTEMS, CURBS, LOCAL SERVICES, BUFFALO BOXES, VALVES, MANHOLES, INLETS, AND OTHER STRUCTURES ARE NOT DAMAGED OR REMOVED. ANY DAMAGE DONE BY THE CONTRACTOR, WHETHER THE STRUCTURE OR SERVICE IS VISIBLE AT THE GROUND SURFACE OR NOT, SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AS REQUIRED BY THE ENGINEER.
4. THE CONTRACTOR SHALL MAINTAIN THE SITE IN A CLEAN AND ORDERLY MANNER. IF THE ENGINEER SO DIRECTS THE CONTRACTOR SHALL STOP ALL OTHER WORK AND CONCENTRATE ON CLEAN-UP AND RESTORATION. THE CONTRACTOR SHALL DISPOSE OF ALL SURPLUS EXCAVATED MATERIAL AND DEBRIS OFF THE SITE AS WORK PROGRESSES. THE TEMPORARY STOCKPILING OF THIS MATERIAL ON THE PROJECT SITE WILL NOT BE ALLOWED.
5. THE CONTRACTOR SHALL SUBMIT IN WRITING A "SCHEDULE OF OPERATIONS" SHOWING APPROXIMATE DATES FOR COMMENCING AND COMPLETING VARIOUS PHASES OF CONSTRUCTION INCLUDED IN THE CONTRACT PRIOR TO COMMENCING ANY CONSTRUCTION UNDER THIS CONTRACT. THE SCHEDULE SHALL HAVE THE APPROVAL OF THE ENGINEER AND THE DATE FOR STARTING SHALL BE MUTUALLY AGREED UPON BETWEEN THE CONTRACTOR AND THE ENGINEER.
6. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL CONTACT J.U.L.I.E. AND ALL OTHER PUBLIC AND PRIVATE UTILITIES SO THAT ARRANGEMENTS CAN BE MADE TO LOCATE THEIR VARIOUS FACILITIES WITHIN THE LIMITS OF CONSTRUCTION UNDER THIS CONTRACT, AS WELL AS TO PROVIDE ADEQUATE PROTECTION AND INSPECTION THERETO. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES IN THE FIELD.
7. THE SCALE SHOWN ON THE DRAWINGS APPLIES ONLY TO FULL SIZE PLANS AND NOT TO THE REDUCED SIZE PLANS. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
8. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
9. THE LOCATION AND ELEVATION OF THE VARIOUS UNDERGROUND UTILITIES AS SHOWN ON THE DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL USE SPECIAL CARE WHEN CONDUCTING CONSTRUCTION OPERATIONS NEAR THEM AND IS RESPONSIBLE FOR ANY DAMAGE CAUSED.
10. THE CONTRACTOR SHALL NOTIFY THE AGENCIES AND UTILITIES AT LEAST 10 DAYS PRIOR TO ANY CONSTRUCTION IN THE AREA AND SHALL COMPLY WITH ALL RESTRICTIONS FOR EQUIPMENT MOVEMENTS AND CLEARANCES IN REGARDS TO THEIR FACILITIES.
11. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT 847-705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
12. THE CONTRACTOR SHALL OBTAIN ALL PERMITS AS LISTED IN THE SPECIAL PROVISIONS PRIOR TO COMMENCEMENT OF WORK.
13. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKER MONUMENTS UNTIL THE OWNER, AN AUTHORIZED AGENT, OR LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUB-SECTION MONUMENTS DISRUPTED BY THEIR OPERATIONS.
14. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AT ALL TIMES DURING AND AFTER THE CONSTRUCTION.
15. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF EXISTING PLANT MATERIAL FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF EXISTING PLANT MATERIAL AND THE REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 201 OF THE STANDARD SPECIFICATIONS.
16. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ACCESS TO ALL PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT. THIS MAY REQUIRE STAGE CONSTRUCTING EACH ENTRANCE ONE HALF AT A TIME.
17. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED.
18. LAYOUT AND STAKING FOR ALL CONSTRUCTION OPERATIONS SHALL BE PROVIDED BY THE CONTRACTOR.
19. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS, OR CATCH BASINS. CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THEM. CONTRACTOR SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET SHALL BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT ROADSIDE DRAINAGE SYSTEM IS BUILT AND IN SERVICE.
20. DRAINAGE STRUCTURE GRADES SHALL BE VERIFIED IN THE FIELD PRIOR TO INSTALLATION OF DRAINAGE ITEMS. DRAINAGE STRUCTURES MAY REQUIRE REVISIONS TO MEET EXISTING FIELD CONDITIONS. ANY ADJUSTMENT SHALL BE AS DIRECTED BY THE ENGINEER. PROPOSED RIM ELEVATIONS SHOWN FOR DRAINAGE STRUCTURES IN THE GUTTER REFERENCE THE PROPOSED EDGE OF PAVEMENT ELEVATION.
21. UNLESS OTHERWISE NOTED, LOCATIONS SHOWN ON THE PLANS ARE TO THE CENTER OF GUTTER FOR GRATES IN THE CURB AND GUTTER AND TO THE CENTER OF THE GRATE/LID FOR ALL OTHER STRUCTURES. LOCATIONS SHOWN FOR FLARED END SECTIONS ARE AT THE CENTER END/OPENING OF THE END SECTION. 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. ALL FLAT TOPS AND CONES ARE ASSUMED TO BE ECCENTRIC.
22. THE PROPOSED DRAINAGE STRUCTURES AND PIPES SHALL BE PROTECTED IMMEDIATELY AFTER THEY ARE CONSTRUCTED UNTIL THE SURFACES THAT DRAIN TO THEM ARE FULLY PAVED OR VEGETATED.
23. THE HEIGHT AND WIDTH OF ALL PROPOSED COMBINATION CURB AND GUTTER, TYPE B-6.12 SHALL BE TRANSITIONED OVER 5' TO MATCH EXISTING CURB AND GUTTER UNLESS OTHERWISE NOTED ON THE PLANS.
24. ALL TRAFFIC SIGNS, STREET SIGNS, ETC., THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS SHALL BE REMOVED AND PLACED AT NEW LOCATIONS AS DESIGNATED BY THE ENGINEER. IN ADDITION, ALL MAIL BOXES THAT INTERFERE WITH CONSTRUCTION SHALL BE SIMILARLY RELOCATED.
25. THE VILLAGE OF CHANNAHON SHALL BE NOTIFIED A MINIMUM OF 30 DAYS PRIOR TO WATER MAIN CONSTRUCTION IMPROVEMENTS BEGINNING.
VILLAGE OF CHANNAHON
24555 S. NAVAJO DRIVE
CHANNAHON IL, 60410
(815) 467-6644
26. WATER MAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS.
27. WATER MAIN LOCATION AND DEPTHS SHOWN ON THE DRAWINGS ARE APPROXIMATE. CONTRACTOR SHALL PERFORM EXPLORATORY EXCAVATION AS NECESSARY TO DETERMINE THE EXISTING LOCATION, DEPTH, MATERIAL, AND SIZE OF WATER MAIN.
28. ALL DUCTILE IRON WATER MAIN SHALL BE PRESSURE CLASS 350, DESIGNED IN ACCORDANCE WITH ANSI/AWWA C151/A21.51. EXTERIOR OF PIPE SHALL HAVE A BITUMINOUS COATING, AS SPECIFIED IN AWWA C151. INNER SURFACES OF ALL DUCTILE IRON WATER PIPE SHALL HAVE A CEMENT MORTAR LINING IN ACCORDANCE WITH THE REQUIREMENTS OF AWWA C104.
29. STANDARD JOINTS FOR DUCTILE IRON WATER MAIN SHALL BE GASKETED BELL AND SPIGOT TYPE PUSH-ON TYTON JOINTS OR MECHANICAL JOINTS IN ACCORDANCE WITH ANSI/AWWA C111/A21.11.
30. ALL WATER MAIN PIPE FITTINGS SHALL BE DUCTILE IRON CLASS 350 CONFORMING TO REQUIREMENTS OF ANSI/AWWA C110/A21.10 AND ANSI/AWWA C11/A21.11. ALL WATER MAIN FITTINGS SHALL HAVE A CEMENT MORTAR LINING IN ACCORDANCE WITH THE REQUIREMENTS OF ANSI/AWWA C104/A21.4. FITTINGS SHALL BE FURNISHED WITH A RATED WORKING PRESSURE OF 150 PSI.
31. "MEGA-LUG" RETAINERS SHALL BE USED AT ALL CONNECTIONS OF WATER MAINS TO BENDS, TEES, CROSSES, REDUCERS, AND OTHER FITTINGS. ALL MECHANICAL JOINTS SHALL HAVE A MINIMUM OF SIX (6) TWIST-OFF NUTS.
32. THE VILLAGE OF CHANNAHON SHALL OPERATE ALL EXISTING WATER VALVES.
33. CONTRACTOR SHALL PROTECT PROPOSED WATER MAIN AT ALL TIMES DURING CONSTRUCTION.
34. PROPOSED STORM SEWER PIPE LENGTHS IN THE DRAINAGE SCHEDULES ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE OR FROM CENTER OF STRUCTURE TO END OF PRECAST CONCRETE FLARED END SECTION.
35. PRECAST CONCRETE FLARED ENDS SECTIONS SHALL BE INSTALLED AT THE SAME SLOPE AS THE STORM SEWER PIPE.

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MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/29/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	3
CONTRACT NO. 61F19				
ILLINOIS FED. AID PROJECT				

FILE NAME = S:\JL 16100-6199\6199\108\Drawings\CADD\Micros\CADD_Sheets\012345-int-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				ROADWAY 0004	STREET LIGHTING 0021	WATER MAIN 0043
				80% FED 20% VILLAGE URBAN	80% FED 20% VILLAGE URBAN	100% VILLAGE URBAN
+ 20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	86	86		
+ 20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	460	460		
+ 20101100	TREE TRUNK PROTECTION	EACH	29	29		
+ 20101200	TREE ROOT PRUNING	EACH	18	18		
+ 20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	11	11		
+ 20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	7	7		
20200100	EARTH EXCAVATION	CU YD	4,640	4,640		
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	70	70		
20800150	TRENCH BACKFILL	CU YD	834	834		
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	195	195		
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	8,103	8,103		
+ 25000110	SEEDING, CLASS 1A	ACRE	.75	.75		
+ 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	118	118		
+ 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	118	118		
+ SPECIALTY ITEM						



USER NAME = JakeSo	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN - NLW	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/29/2018	DATE - 8/29/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

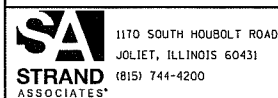
SUMMARY OF QUANTITIES			
MUN	SECTION	COUNTY	TOTAL SHEETS
5080	16-00025-00-FP	WILL	74
			4
CONTRACT NO. 61F19			

SCALE: N/A	SHEET 1 OF 9 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				ROADWAY 0004	STREET LIGHTING 0021	WATER MAIN 0043
				80% FED 20% VILLAGE URBAN	80% FED 20% VILLAGE URBAN	100% VILLAGE URBAN
+ 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	118	118		
+ 25100115	MULCH, METHOD 2	ACRE	2	2		
+ 25100630	EROSION CONTROL BLANKET	SQ YD	2,784	2,784		
+ 25200110	SODDING, SALT TOLERANT	SQ YD	5,320	5,320		
+ 25200200	SUPPLEMENTAL WATERING	UNIT	44	44		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	556	556		
28000305	TEMPORARY DITCH CHECKS	FOOT	48	48		
28000400	PERIMETER EROSION BARRIER	FOOT	2,785	2,785		
28000510	INLET FILTERS	EACH	38	38		
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	70	70		
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	7,621	7,621		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	86	86		
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	1,469	1,469		
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	745	745		

+ SPECIALTY ITEM

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1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = JakeSc MODEL NAME = Default PLOT SCALE = 2.0000' / in. PLOT DATE = 8/29/2018	DESIGNED - DRAWN - NLW CHECKED - DATE - 8/29/2018	REVISED - REVISED - REVISED - REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES


SCALE: N/A SHEET 2 OF 9 SHEETS STA. TO STA.

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F19	

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				ROADWAY 0004	STREET LIGHTING 0021	WATER MAIN 0043
				80% FED 20% VILLAGE URBAN	80% FED 20% VILLAGE URBAN	100% VILLAGE URBAN
40700100	BITUMINOUS MATERIALS (TACK COAT)	POUND	1,495	1,495		
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	811	811		
44000100	PAVEMENT REMOVAL	SQ YD	5,476	5,476		
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1,039	1,039		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	260	260		
44000600	SIDEWALK REMOVAL	SQ FT	8,485	8,485		
50105220	PIPE CULVERT REMOVAL	FOOT	702	702		
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	8	8		
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	1		
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1		
54213666	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 21"	EACH	1	1		
550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	416	416		
550A2330	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	FOOT	101	101		
550A2350	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 21"	FOOT	93	93		

+ SPECIALTY ITEM

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1170 SOUTH HOBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = JakeSe	DESIGNED -	REVISED -
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PLOT DATE = 8/29/2018	DATE - 8/29/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

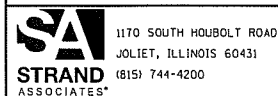
SCALE: N/A SHEET 3 OF 9 SHEETS STA. TO STA.

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	6
CONTRACT NO. 61F19			ILLINOIS FED. AID PROJECT	

FILE NAME = S:\JULI6400-6499\6437\08\Drawings\CADD\Merces\CADD_Sheets\08121915-int-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				ROADWAY 0004	STREET LIGHTING 0021	WATER MAIN 0043
				80% FED 20% VILLAGE URBAN	80% FED 20% VILLAGE URBAN	100% VILLAGE URBAN
550A2360	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	FOOT	76	76		
550A2520	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FOOT	68	68		
550A2530	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	FOOT	139	139		
550A2540	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	FOOT	145	145		
550A2550	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 21"	FOOT	8	8		
550A4300	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 30"	FOOT	363	363		
550A4700	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 42"	FOOT	236	236		
550A4710	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 48"	FOOT	190	190		
550A5100	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 30"	FOOT	109	109		
550A5510	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 48"	FOOT	1,233	1,233		
+ 56103100	DUCTILE IRON WATER MAIN 8"	FOOT	2,040			2,040
+ 56400500	FIRE HYDRANTS TO BE REMOVED	EACH	3			3
+ 56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	7			7
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	1	1		

+ SPECIALTY ITEM



USER NAME = JakeSe	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN - NLW	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/29/2018	DATE - 8/29/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES


SCALE: N/A SHEET 4 OF 9 SHEETS STA. TO STA.

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	7
CONTRACT NO. 61F19				
ILLINOIS FED. AID PROJECT				

FILE NAME = S:\JUL16\000-6499\6437\108\0-Drawings\CAD\MicroStation\000_Sheets\0412345-akt_S00.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				ROADWAY 0004	STREET LIGHTING 0021	WATER MAIN 0043
				80% FED 20% VILLAGE URBAN	80% FED 20% VILLAGE URBAN	100% VILLAGE URBAN
60218400	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3		
60219300	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 11 FRAME AND GRATE	EACH	6	6		
60223700	MANHOLES, TYPE A, 6' -DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1		
60223800	MANHOLES, TYPE A, 6' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3		
60224020	MANHOLES, TYPE A, 6' -DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	1		
60224446	MANHOLES, TYPE A, 7' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1		
60236825	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	EACH	10	10		
+ 60265700	VALVE VAULTS TO BE ADJUSTED	EACH	1			1
60500050	REMOVING CATCH BASINS	EACH	2	2		
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	3,692	3,692		
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	20	20		
+ 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	4	4		
+ 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1		
+ 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1		

+ SPECIALTY ITEM



1170 SOUTH HOBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = JakeSe	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN - NLW	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/29/2018	DATE - 8/29/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

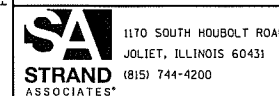
SUMMARY OF QUANTITIES

SCALE: N/A SHEET 5 OF 9 SHEETS STA. TO STA.

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	8
CONTRACT NO. 61F19			ILLINOIS FED. AID PROJECT	

FILE NAME = S:\JULIA\4808--6499\6437\188\Drawings\CAD\Micro\CAD\Sheets\0412345-Sub-SDD.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				ROADWAY 0004	STREET LIGHTING 0021	WATER MAIN 0043
				80% FED 20% VILLAGE URBAN	80% FED 20% VILLAGE URBAN	100% VILLAGE URBAN
67100100	MOBILIZATION	L SUM	1	1		
+ 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	42	42		
+ 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2,792	2,792		
+ 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	210	210		
+ 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	357	357		
+ 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	124	124		
+ 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1		1	
+ 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1		1	
+ 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	237		237	
+ 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	65		65	
+ 81603000	UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	383		383	
+ 81603055	UNIT DUCT, 600V, 3-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	1,168		1,168	
+ 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	36		36	
+ A2004514	TREE, GINKGO BILOBA AUTUMN GOLD (AUTUMN GOLD GINKGO), 2-1/2" CALIPER BALLED AND BURLAPPED	EACH	4	4		
+ SPECIALTY ITEM						



USER NAME = JakeSc	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN - NLW	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/29/2018	DATE - 8/29/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

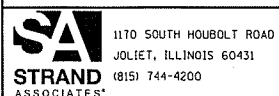
SUMMARY OF QUANTITIES			
SCALE: N/A	SHEET 6 OF 9 SHEETS	STA.	TO STA.

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	9
CONTRACT NO. 61F19				
ILLINOIS FED. AID PROJECT				

FILE NAME = S:\JL\64808-6491\6491\IBB Drawings\CAD\Micro\CA000_Sheets\0912315-ant-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				ROADWAY 0004	STREET LIGHTING 0021	WATER MAIN 0043
				80% FED 20% VILLAGE URBAN	80% FED 20% VILLAGE URBAN	100% VILLAGE URBAN
+ A2004720	TREE, GLEDITSIA TRIACANTHOS INERMIS SHADEMASTER (SHADEMASTER THORNLESS COMMON HONEYLOCUST), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	3	3		
+ A2005040	TREE, GYMNOCLADUS DIOICUS ESPRESSO-JFS (ESPRESSO KENTUCKY COFFEETREE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	3	3		
+ A2006520	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	3	3		
+ A2008470	TREE, ULMUS AMERICANA PRINCETON (PRINCETON AMERICAN ELM), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	4	4		
+ X0327241	STEEL CASING PIPE IN TRENCH, 24 INCH	FOOT	26			26
+ X1200120	ABANDON EXISTING WATER MAIN	L SUM	1			1
+ X1400094	LUMINAIRE, LED, HORIZONTAL MOUNT, LOW WATTAGE	EACH	2		2	
+ X1400095	LUMINAIRE, LED, HORIZONTAL MOUNT, HIGH WATTAGE	EACH	5		5	
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	21	21		
X4023000	TEMPORARY ACCESS (ROAD)	EACH	5	5		
X4240430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SO FT	8,557	8,557		
X5510100	STORM SEWER REMOVAL	FOOT	101	101		
+ X5610708	WATER MAIN REMOVAL, 8"	FOOT	9			9
+ X5620116	WATER SERVICE CONNECTION (SHORT)	EACH	10			10

+ SPECIALTY ITEM



1170 SOUTH HOBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = JakeSc MODEL NAME = Default PLOT SCALE = 2.0000 "/>
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DESIGNED -	REVISED -
DRAWN - NLW	REVISED -
CHECKED -	REVISED -
DATE - 8/29/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: N/A	SHEET 7 OF 9 SHEETS	STA.	TO STA.

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	10
CONTRACT NO. 61F19				
ILLINOIS FED. AID PROJECT				

CONSTRUCTION CODE		
ROADWAY 0004	STREET LIGHTING 0021	WATER MAIN 0043
80% FED 20% VILLAGE URBAN	80% FED 20% VILLAGE URBAN	100% VILLAGE URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004	STREET LIGHTING 0021	WATER MAIN 0043
				80% FED 20% VILLAGE URBAN	80% FED 20% VILLAGE URBAN	100% VILLAGE URBAN
+ X5620118	WATER SERVICE CONNECTION (LONG)	EACH	9			9
+ X5630708	CONNECTION TO EXISTING WATER MAIN 8"	EACH	2			2
X6022040	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 11V FRAME AND GRATE	EACH	11	11		
+ X6026622	VALVE VAULTS TO BE REMOVED	EACH	1			1
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1		
+ X8300001	LIGHT POLE, SPECIAL	EACH	6		6	
+ XX007559	GATE VALVE 8" WITH VAULT, 4' DIAMETER	EACH	2			2
XX007729	DETECTABLE WARNINGS, SPECIAL	SQ FT	82	82		
+ XX008234	MJ CAPS, 8"	EACH	2			2
+ XX009243	MJ CAPS 6"	EACH	1			1
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
Z0019525	DRY WELL, TYPE A, 7' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1		
+ Z0019600	DUST CONTROL WATERING	UNIT	20	20		
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52	52	7	

+ SPECIALTY ITEM

FILE NAME = S:\JULI\6400--6490\6437\BBD\0-awmgs\CAD\Micros\CADD_Sheets\0812345-ht-5DD.dgn



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = JakeSe	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN - NLW	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/20/2018	DATE - 9/20/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES


SCALE: N/A SHEET 8 OF 9 SHEETS STA. TO STA.

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	11
CONTRACT NO. 61F19			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				ROADWAY 0004	STREET LIGHTING 0021	WATER MAIN 0043
				80% FED 20% VILLAGE URBAN	80% FED 20% VILLAGE URBAN	100% VILLAGE URBAN
Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	7			
Z0056648	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	73	73		
Z0056652	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 18"	FOOT	26	26		
Z0056653	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 21"	FOOT	26	26		
XX009252	CLEANING EXISTING DRY WELL	EACH	3	3		
XX009253	REINFORCED CONCRETE PIPE TEE, EQUIVALENT ROUND-SIZE, 42" PIPE WITH 24" RISER, TYPE 8 GRATE	EACH	3	3		
XX009254	REINFORCED CONCRETE PIPE TEE, EQUIVALENT ROUND-SIZE, 42" PIPE WITH 12" LATERAL	EACH	2	2		
XX009255	REINFORCED CONCRETE PIPE TEE, EQUIVALENT ROUND-SIZE, 42" PIPE WITH 21" LATERAL	EACH	2	2		
XX009256	REINFORCED CONCRETE PIPE TEE, EQUIVALENT ROUND-SIZE, 48" PIPE WITH 48" RISER, TYPE 1 FRAME, CLOSED LID	EACH	6	6		
XX009257	REINFORCED CONCRETE PIPE TEE, EQUIVALENT ROUND-SIZE, 48" PIPE WITH 12" LATERAL	EACH	2	2		
XX009258	REINFORCED CONCRETE PIPE REDUCER, EQUIVALENT ROUND-SIZE, 48" TO EQUIVALENT ROUND-SIZE, 42"	EACH	1	1		
XX009259	REINFORCED CONCRETE PIPE TEE, EQUIVALENT ROUND-SIZE, 42" PIPE WITH 24" RISER, TYPE 1 FRAME, OPEN LID	EACH	1	1		

+ SPECIALTY ITEM

FILE NAME = S:\JUL 16400--6494V437\08\Drawings\CAD\Micros\C000.Sheets\0812345-akt-500.dgn



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

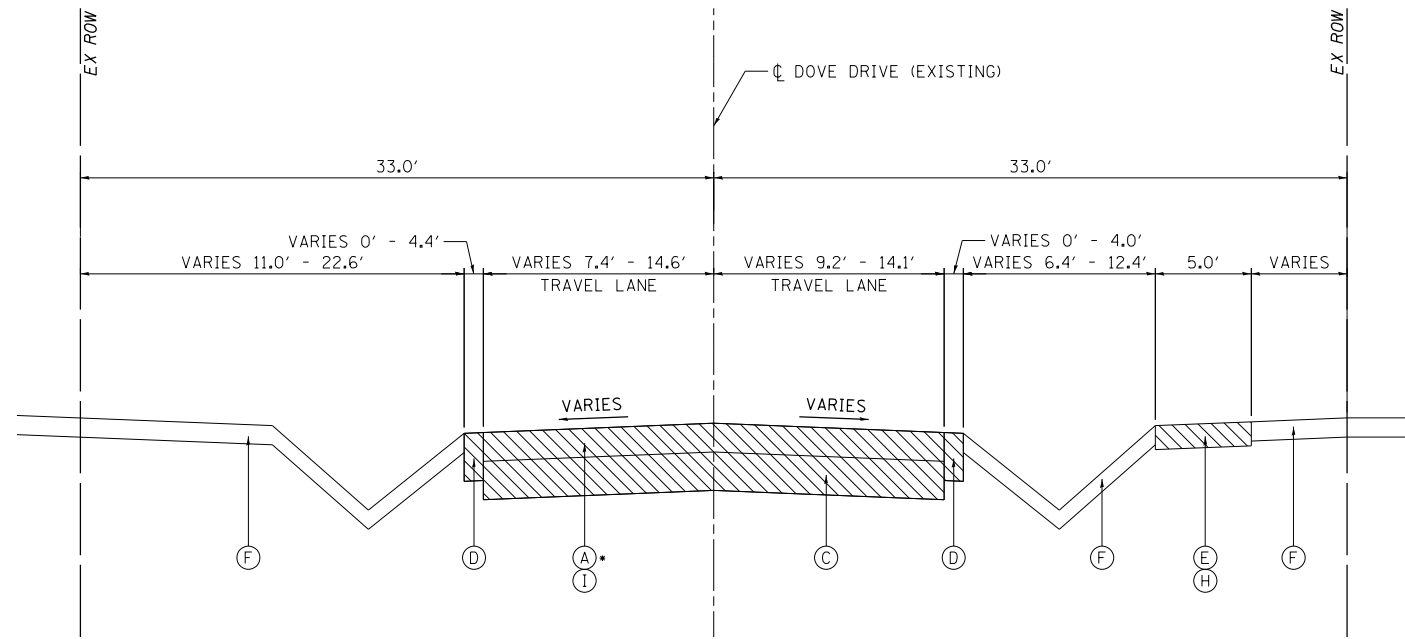
USER NAME = JakeSe	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN - NLW	REVISED -
PLOT SCALE = 2,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/2/2018	DATE - 10/2/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 8 OF 9 SHEETS STA. TO STA.

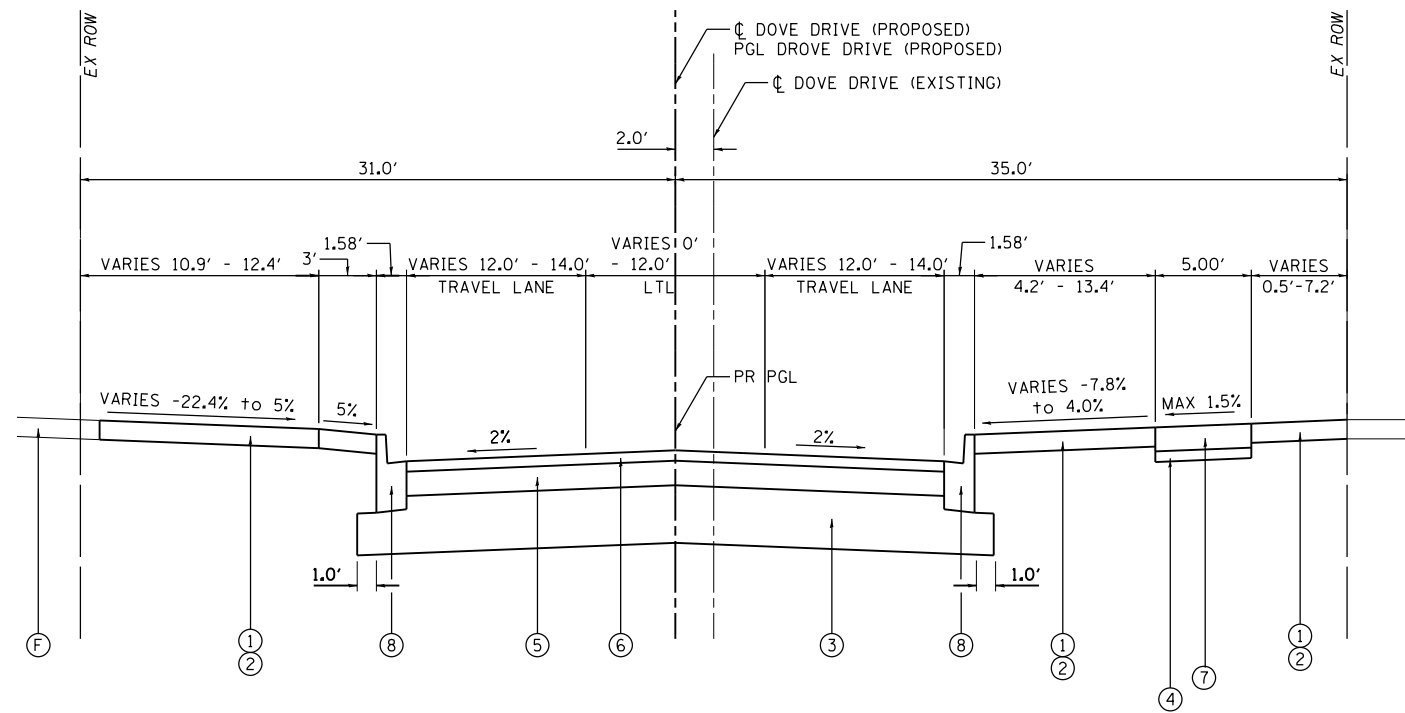
MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	12
CONTRACT NO. 61F19				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION

STA. 109+25.00 TO STA. 127+37.00, DOVE DRIVE
 • (B) FOR STA. 126+57.95 TO STA. 127+37.00, DOVE DRIVE

- EXISTING LEGEND**
- (A) 2"-3" HMA PAVEMENT
 - (B) 10" PCC PAVEMENT (JOINTED)
 - (C) 6"-12" (DOVE DR.) AGGREGATE SUBGRADE IMPROVEMENT
 - (D) AGGREGATE SHOULDER
 - (E) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL
 - (F) GROUND
 - (G) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - (H) SIDEWALK REMOVAL
 - (I) PAVEMENT REMOVAL
 - REMOVAL ITEM



PROPOSED TYPICAL SECTION

STA. 109+25.00 TO STA. 127+37.00, DOVE DRIVE

- PROPOSED LEGEND**
- (1) TOP SOIL FURNISH AND PLACE, 4"
 - (2) SODDING, SALT TOLERANT
 - (3) AGGREGATE SUBGRADE IMPROVEMENT 12"
 - (4) SUB-BASE GRANULAR MATERIAL, TYPE B, 2"
 - (5) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 4"
 - (6) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
 - (7) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL
 - (8) COMBINATION CONCRETE CURB & GUTTER TYPE B-6.12

FILE NAME = SA\JOL 16400-6491\6437\108\CP-arings\CAD\Micros\CADD_Sheets\04\2345-nht-typical.dgn



1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = JakeSc	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/29/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: N/A SHEET 1 OF 2 SHEETS STA. TO STA.

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	13
CONTRACT NO. 61F19				

ILLINOIS FED. AID PROJECT

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes
FULL-DEPTH PAVEMENT - ROADWAY	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5MM); 2"	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 4"	4% @ 50 GYR

NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE HOT-MIX ASPHALT MIXTURES IS 112 LBS/SQ YD/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 I SPECIAL PROVISIONS. FOR HMA FULL DEPTH "AC TYPE" SEE SPECIAL PROVISIONS.
3. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
4. ALL DRIVEWAYS TO BE PORTLAND CEMENT CONCRETE.

UNDERCUT NOTES:

1. REPLACEMENT MATERIAL SHALL BE PAID FOR AS AGGREGATE SUBGRADE IMPROVEMENT MEASURED IN CUBIC YARDS.
2. UNDERCUT AND AGGREGATE SUBGRADE IMPROVEMENTS SHALL BE PERFORMED WHERE DETERMINED BY THE ENGINEER.
3. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
4. AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
5. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECT BY THE ENGINEER AT CONTRACTOR EXPENSE.

ESTIMATED UNDERCUT

DOVE DRIVE	DEPTH (IN)
STA. 124+00.00 TO STA. 124+50.00	12"

FILE NAME = SA\JOL\6400-6491\6437\108\Drawings\CAD\Micros\CADD\Sheets\04\2345-1ht-typicals.dgn



USER NAME = ashleypr	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/6/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: N/A SHEET 2 OF 2 SHEETS STA. TO STA.

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	14
CONTRACT NO. 61F19				
ILLINOIS FED. AID PROJECT				

EARTH EXCAVATION SCHEDULE

DOVE DRIVE EARTHWORK SCHEDULE						
LOCATION		EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%)	EMBANKMENT	FURNISHED EXCAVATION EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
STATION	STATION	CU YD	CU YD	CU YD	CU YD	CU YD
DOVE DRIVE						
109+25	109+50	47.62	40.48	2.27	38.21	0.00
109+25	109+81	119.03	101.18	4.04	97.13	0.00
109+50	110+00	89.21	75.83	3.65	72.18	0.00
110+00	110+23	48.73	41.42	3.80	37.62	0.00
110+23	110+50	51.48	43.75	9.42	34.34	0.00
110+50	110+68	32.18	27.36	4.05	23.31	0.00
110+68	110+75	14.65	12.46	0.13	12.32	0.00
110+75	111+00	43.68	37.13	4.76	32.37	0.00
111+00	111+50	76.20	64.77	13.63	51.14	0.00
111+50	111+63	28.79	24.47	1.38	23.09	0.00
111+63	111+70	17.22	14.64	0.13	14.51	0.00
111+70	112+00	69.67	59.22	4.42	54.80	0.00
112+00	112+50	93.15	79.18	15.24	63.94	0.00
112+50	112+89	83.71	71.15	8.25	62.90	0.00
112+89	113+00	27.68	23.53	0.71	22.82	0.00
113+00	113+50	135.22	114.94	12.56	102.37	0.00
113+50	113+74	81.13	68.96	5.58	63.39	0.00
113+74	114+00	82.32	69.97	10.79	59.19	0.00
114+00	114+46	119.68	101.73	27.28	74.45	0.00
114+46	114+50	11.66	9.91	1.49	8.42	0.00
114+50	114+91	121.89	103.60	11.76	91.85	0.00
114+91	115+00	26.94	22.89	2.09	20.81	0.00
115+00	115+50	136.85	116.32	19.92	96.40	0.00
115+50	115+67	41.27	35.08	19.62	15.46	0.00
115+67	115+81	38.13	32.41	11.82	20.59	0.00
115+81	115+92	35.20	29.92	0.38	29.54	0.00
115+92	116+00	22.63	19.24	0.36	18.88	0.00
116+00	116+50	123.71	105.16	11.07	94.09	0.00
116+50	117+00	101.99	86.69	20.54	66.15	0.00
117+00	117+50	135.81	115.44	10.90	104.54	0.00
117+50	117+59	30.61	26.01	0.10	25.92	0.00
117+59	118+00	122.11	103.80	8.86	94.93	0.00
118+00	118+08	19.70	16.74	3.24	13.50	0.00
118+08	118+50	96.58	82.09	19.39	62.70	0.00
118+50	118+82	82.31	69.96	11.95	58.01	0.00
118+82	119+00	55.77	47.41	3.96	43.44	0.00
119+00	119+18	53.48	45.45	3.89	41.56	0.00
119+18	119+50	87.18	74.11	9.76	64.34	0.00
119+50	120+00	129.32	109.93	19.86	90.06	0.00
120+00	120+50	140.72	119.61	15.76	103.85	0.00
120+50	120+65	47.74	40.58	1.87	38.71	0.00
120+65	120+97	95.25	80.97	3.50	77.47	0.00
120+97	121+00	7.45	6.33	0.53	5.80	0.00
121+00	121+50	128.33	109.08	13.88	95.20	0.00
121+50	122+00	155.46	132.14	9.83	122.31	0.00
122+00	122+07	26.27	22.33	0.25	22.08	0.00
122+07	122+50	142.19	120.86	9.89	110.97	0.00
122+50	122+60	27.12	23.05	4.20	18.86	0.00
122+60	123+00	94.08	79.96	17.76	62.20	0.00
123+00	123+50	97.20	82.62	24.45	58.17	0.00
123+50	123+87	91.87	78.09	10.05	68.04	0.00
123+87	123+90	7.93	6.74	0.05	6.69	0.00
123+90	124+00	27.34	23.24	2.36	20.88	0.00
124+00	124+50	117.05	99.49	20.37	79.12	67.00
124+50	124+80	74.93	63.69	6.25	57.44	0.00
124+80	125+00	52.88	44.95	1.64	43.31	0.00
125+00	125+18	49.46	42.04	1.45	40.59	0.00
125+18	125+50	83.55	71.02	2.05	68.97	0.00
125+50	126+00	124.04	105.44	3.19	102.25	0.00
126+00	126+04	10.84	9.21	0.18	9.03	0.00
126+04	126+50	128.68	109.38	6.85	102.53	0.00
126+50	126+56	16.97	14.42	1.59	12.83	0.00
126+56	127+00	98.57	83.78	14.81	68.97	0.00
127+00	127+37	55.94	47.55	15.91	31.64	0.00
DOVE STREET TOTALS		4636	3941	512	3429	67

TREE REMOVAL SCHEDULE

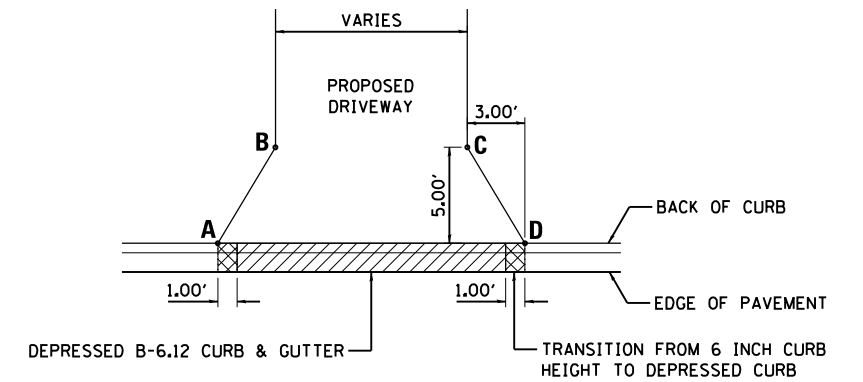
SCHEDULE OF TREE REMOVAL			
STATION	OFFSET	TREE REMOVAL (6 TO 15 UNITS DIAMETER) (UNIT)	TREE REMOVAL (OVER 15 UNITS DIAMETER) (UNIT)
DOVE DRIVE			
110+51.02	33.88 RT		90.0
111+95.44	27.31 LT		54.0
112+39.83	34.06 RT		18.0
113+39.33	33.39 RT		54.0
114+08.29	31.00 RT		60.0
115+16.23	31.16 RT		48.0
115+42.45	31.62 RT		36.0
116+39.75	28.19 LT	8.0	
119+55.89	25.00 LT	9.0	
119+55.89	26.00 LT	9.0	
121+98.17	12.85 LT		30.0
123+21.52	25.35 LT		30.0
WATERMAIN ALIGNMENT			
11+47.26	3.46 RT		40.0
11+76.29	3.00 RT	15.0	
11+81.10	4.00 RT	10.0	
14+18.64	2.56 LT	8.0	
14+36.12	3.77 LT	15.0	
14+95.85	4.40 LT	12.0	
TOTAL		86.00	460.00

CLEANING EXISTING DRYWELL

STATION	OFFSET
DOVE DRIVE	
113+92.75	57.00 L
113+94.10	64.10 R
115+66.31	75.45 L

DRIVEWAY SCHEDULE

DOVE DRIVE PROPOSED DRIVEWAY SCHEDULE						
ADDRESS (W DOVE DRIVE)	LT/RT	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6" (SQ YD)	STATION			
			A	B	C	D
24760	LT	45.60	110+58.97	110+62.02	110+87.15	110+90.15
24748	LT	44.25	111+47.18	111+50.18	111+74.92	111+77.92
24718	LT	45.22	114+75.90	114+78.90	115+04.12	115+07.20
24704	LT	56.89	115+72.98	115+75.98	116+08.05	116+11.05
24644	LT	61.55	118+59.77	118+62.77	118+97.14	119+00.23
24608	LT	38.94	122+46.93	122+49.87	122+70.95	122+73.89
24466	LT	44.08	123+71.33	123+74.33	123+98.96	124+01.96
24552	LT	43.90	125+02.98	125+05.98	125+30.63	125+33.63
24546	LT	26.19	126+44.72	126+47.72	126+64.09	126+67.09
24547	RT	35.13	126+21.70	126+18.68	125+90.10	125+87.10
24575	RT	29.04	124+91.44	124+88.44	124+71.39	124+68.39
24558	RT	27.24	124+00.17	123+97.16	123+81.13	123+78.13
24625	RT	37.39	121+11.64	121+08.57	120+85.79	120+82.69
24641	RT	27.91	119+30.18	119+27.12	119+10.24	119+07.18
24653	RT	30.93	118+19.60	118+16.60	117+98.42	117+95.42
24661	RT	48.94	117+70.58	117+67.58	117+35.22	117+32.22
24707	RT	21.01	115+89.80	115+86.80	115+74.78	115+71.78
24721	RT	31.66	114+57.55	114+54.55	114+35.93	114+32.93
24118	RT	46.17	113+06.31	113+03.31	112+75.67	112+72.67
24747	RT	36.15	111+83.32	111+80.32	111+58.90	111+55.90
24759	RT	32.52	110+80.50	110+77.46	110+58.25	110+55.29
TOTAL		811				



PROPOSED DRIVEWAY DETAIL

FILE NAME = SA\JUL16480-6491\6437\108\Drawings\CAD\Micros\CADD_Sheets\DR42345-INT-schedules.dwg



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = JakeSc
MODEL NAME = Default
PLOT SCALE = 100.0000' / 1" =
PLOT DATE = 8/29/2018

DESIGNED -
DRAWN -
CHECKED -
DATE -

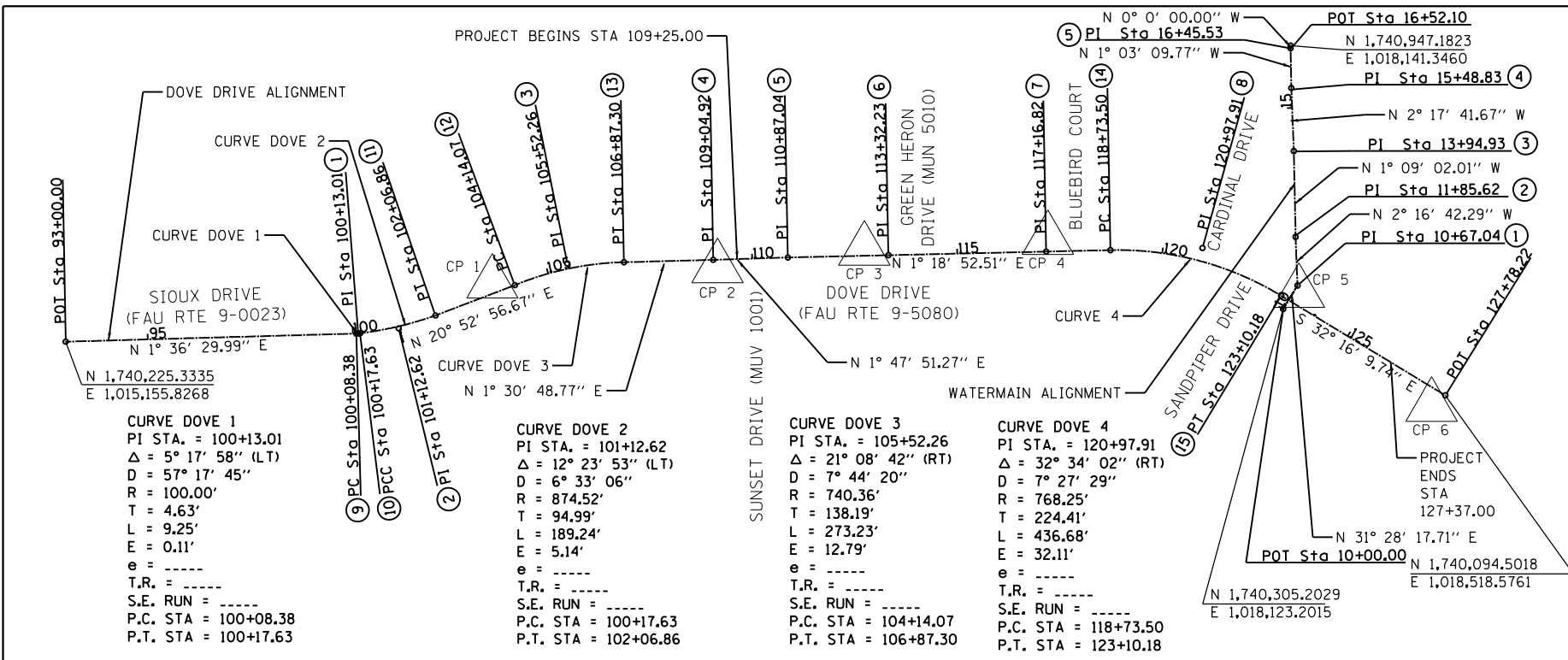
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	15
CONTRACT NO. 61F19				
ILLINOIS FED. AID PROJECT				



DOVE DRIVE ALIGNMENT PI POINTS

PI	NORTHING	EASTING
1	1740245.3583	1015868.5524
2	1740257.6134	1015967.4122
3	1740415.9265	1016378.2678
4	1740424.8561	1016733.9672
5	1740430.5687	1016915.9923
6	1740436.1940	1017161.1243
7	1740445.0171	1017545.6090
8	1740453.7600	1017926.5998

DOVE DRIVE ALIGNMENT PCPT POINTS

PC/PT	NORTHING	EASTING
9	1740245.2156	1015863.9266
10	1740245.9276	1015873.1451
11	1740289.2660	1016056.9720
12	1740363.1245	1016250.5668
13	1740419.1079	1016516.4179
14	1740448.6115	1017702.2444
15	1740337.3307	1018118.4489

WATERMAIN ALIGNMENT PI POINTS

PI	NORTHING	EASTING
1	1740362.3824	1018158.2022
2	1740480.8670	1018153.4880
3	1740690.1386	1018149.2851
4	1740843.9077	1018143.1228
5	1740940.6000	1018141.3460

BENCHMARK 1

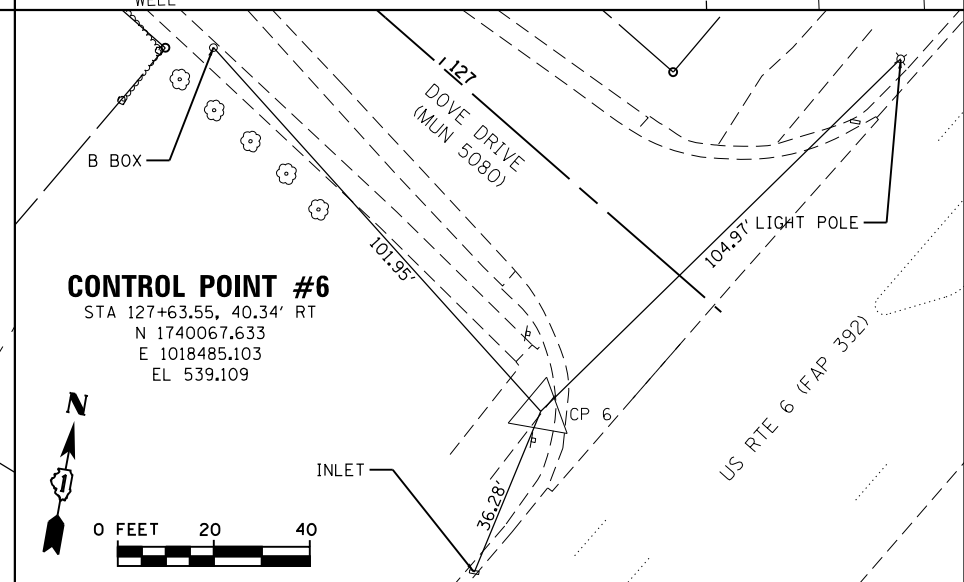
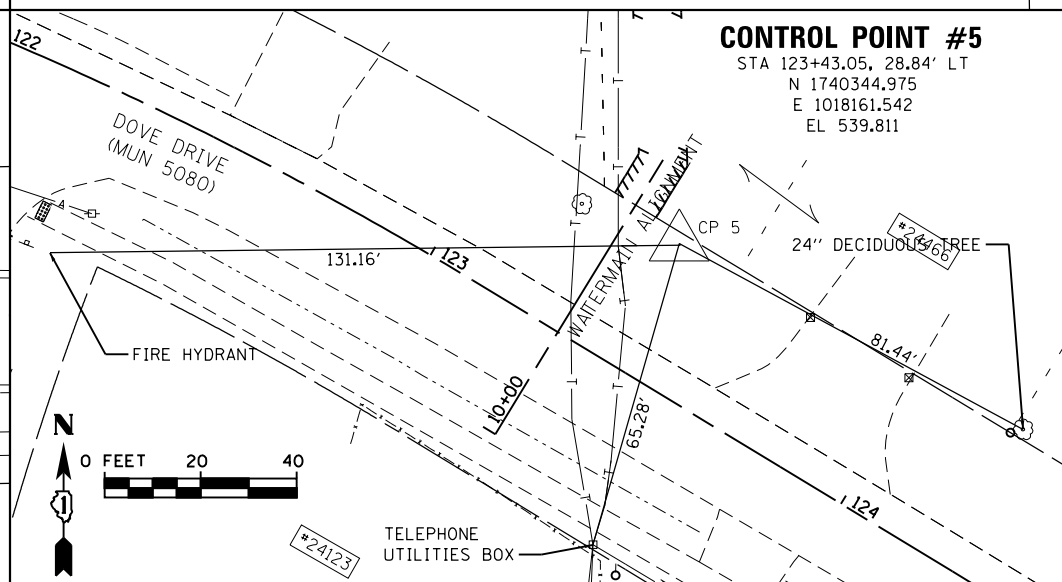
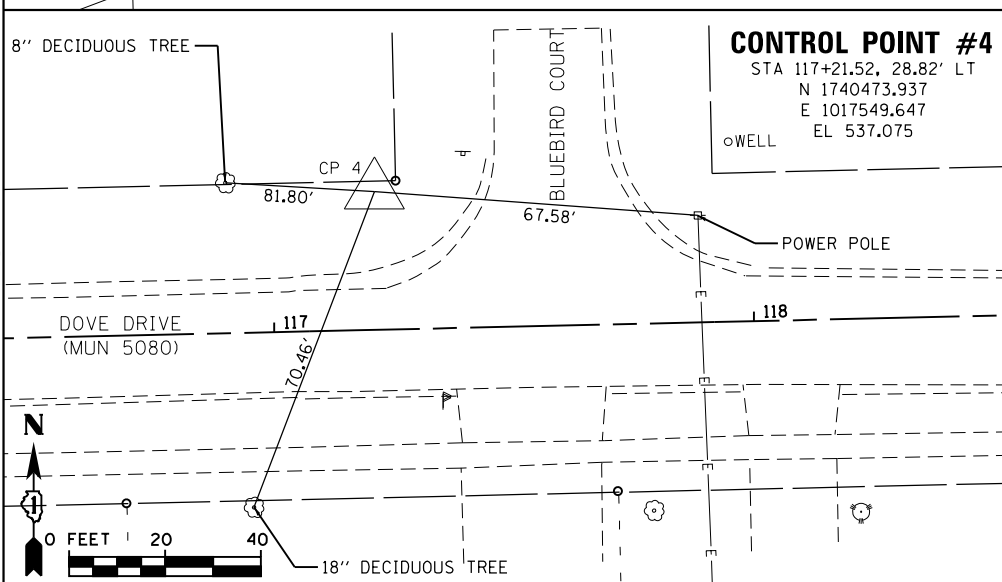
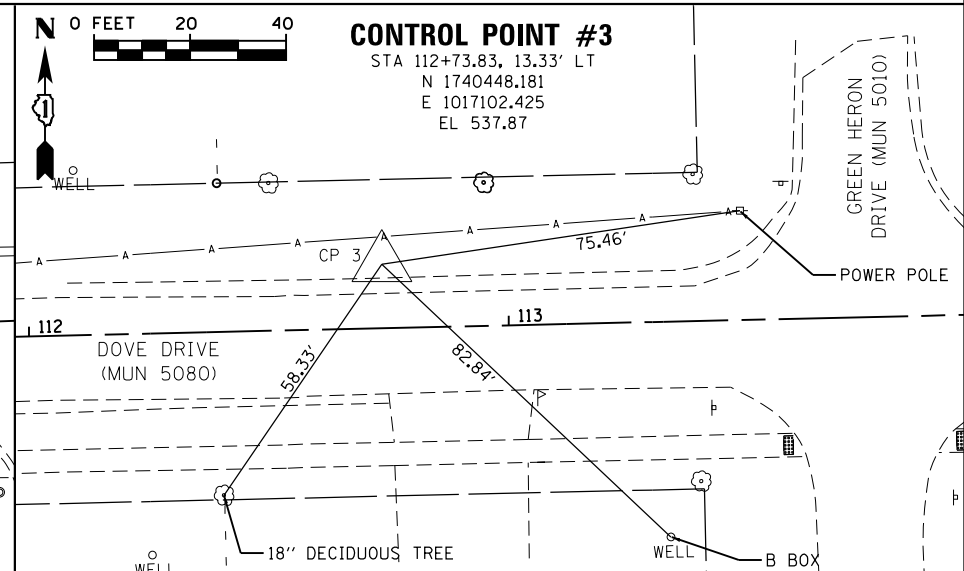
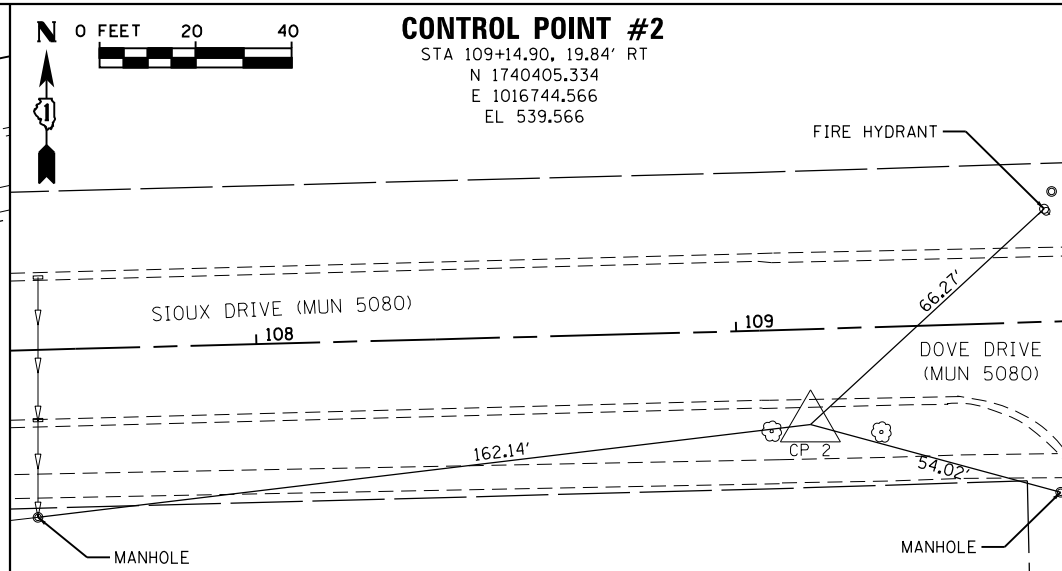
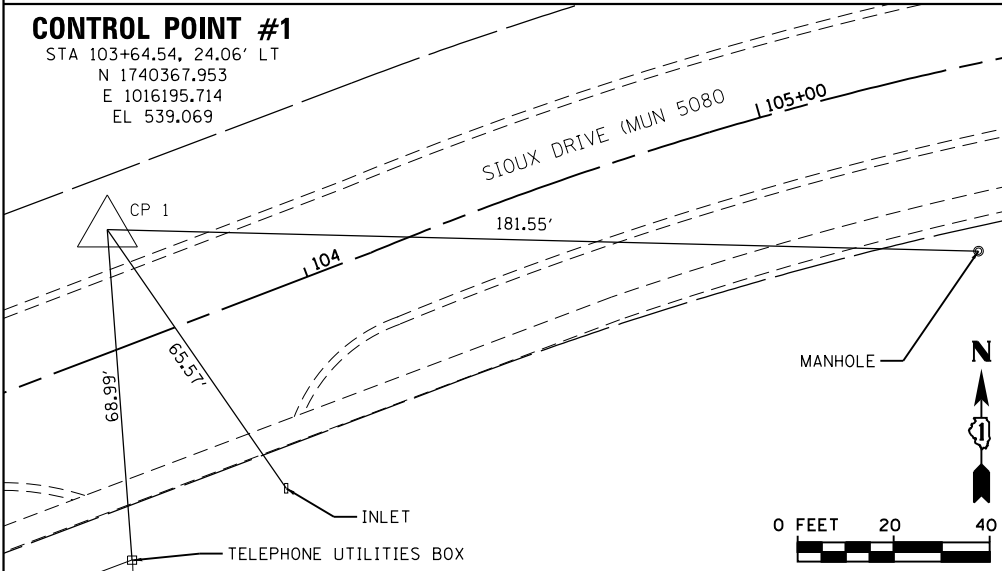
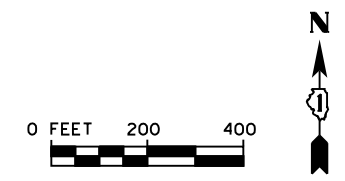
ELEV. 541.52 (NAVD88)
 BENCHMARK: RAILROAD SPIKE ON THE NORTH FACE OF THE POWER POLE WITH A LIGHT IN THE SOUTHEAST CORNER OF THE INTERSECTION OF W JUNIOR AVENUE AND S SUNSET DRIVE.

BENCHMARK 2

ELEV. 542.04 (NAVD88)
 BENCHMARK: RAILROAD SPIKE ON THE NORTHEAST FACE OF THE POWER POLE WITH A LIGHT IN THE SOUTHWEST CORNER OF THE INTERSECTION OF W JUNIOR AVENUE AND S HAWTHORNE AVENUE.

BENCHMARK 3

ELEV. 540.67 (NAVD88)
 BENCHMARK: FLATHEAD BOLT IN THE NORTHWEST CORNER OF THE INTERSECTION OF W ROBERTS AVENUE AND S HAWTHORNE AVENUE.



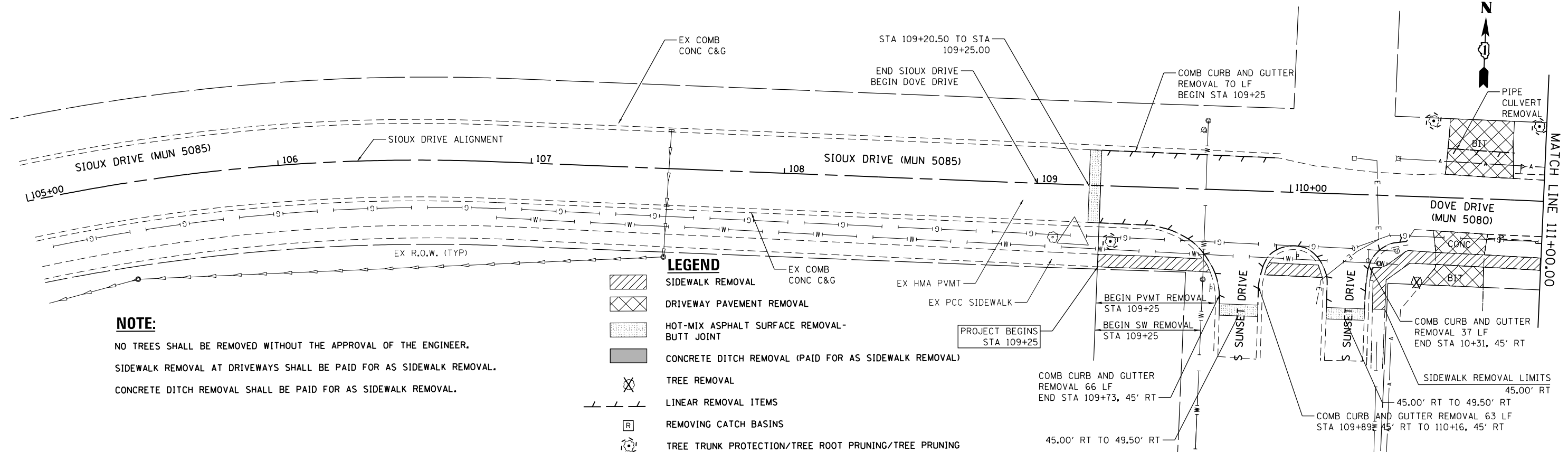
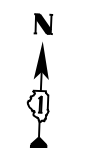
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MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 400.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/29/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, AND BENCHMARKS
 SCALE: VARIES SHEET 1 OF 1 SHEETS STA. TO STA.

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	16

CONTRACT NO. 61F19
 ILLINOIS FED. AID PROJECT

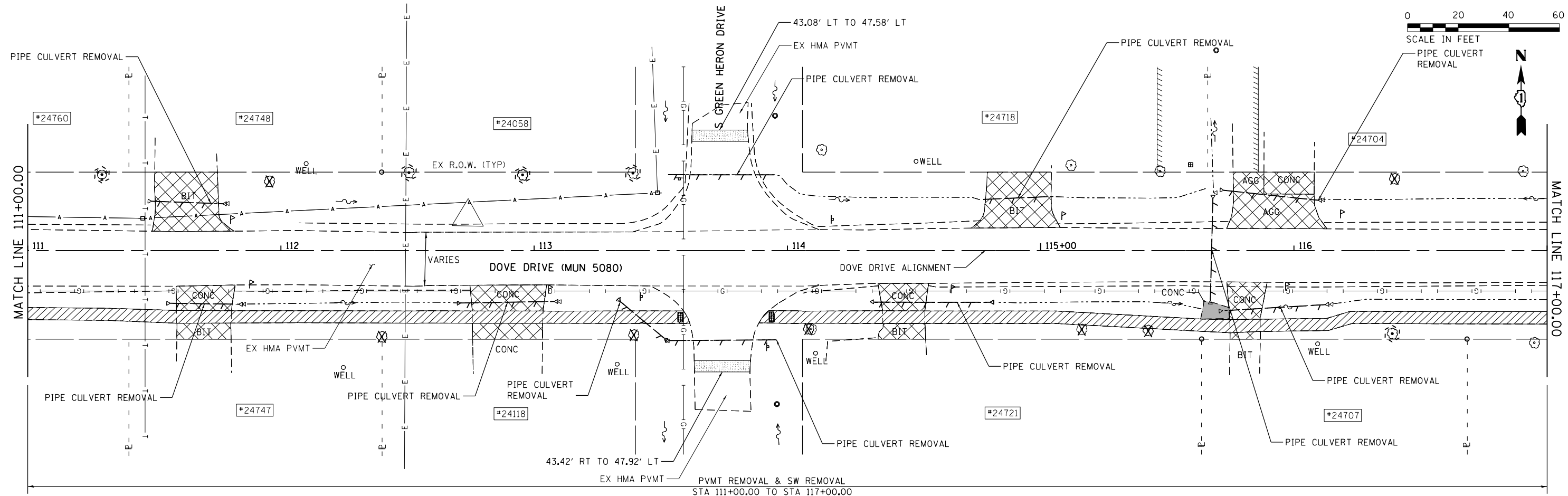
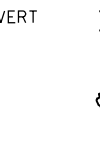


NOTE:

NO TREES SHALL BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.
 SIDEWALK REMOVAL AT DRIVEWAYS SHALL BE PAID FOR AS SIDEWALK REMOVAL.
 CONCRETE DITCH REMOVAL SHALL BE PAID FOR AS SIDEWALK REMOVAL.

LEGEND

- SIDEWALK REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT
- CONCRETE DITCH REMOVAL (PAID FOR AS SIDEWALK REMOVAL)
- TREE REMOVAL
- LINEAR REMOVAL ITEMS
- REMOVING CATCH BASINS
- TREE TRUNK PROTECTION/TREE ROOT PRUNING/TREE PRUNING



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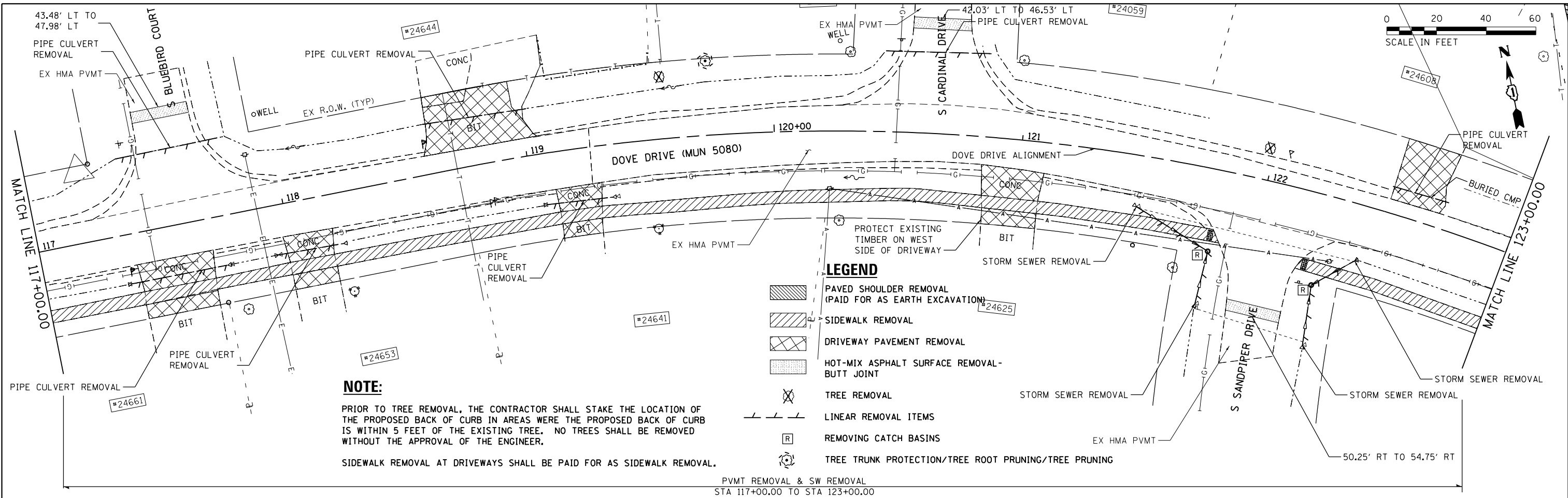
1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = JakeSc MODEL NAME = Default PLOT SCALE = 40.0000' / in. PLOT DATE = 8/29/2018	DESIGNED - DRAWN - CHECKED - DATE - 8/29/2018	REVISED - REVISED - REVISED - REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DOVE DRIVE REMOVAL PLAN

SCALE: 1" = 20' SHEET 1 OF 3 SHEETS STA. 109+25.00 TO STA. 117+00.00

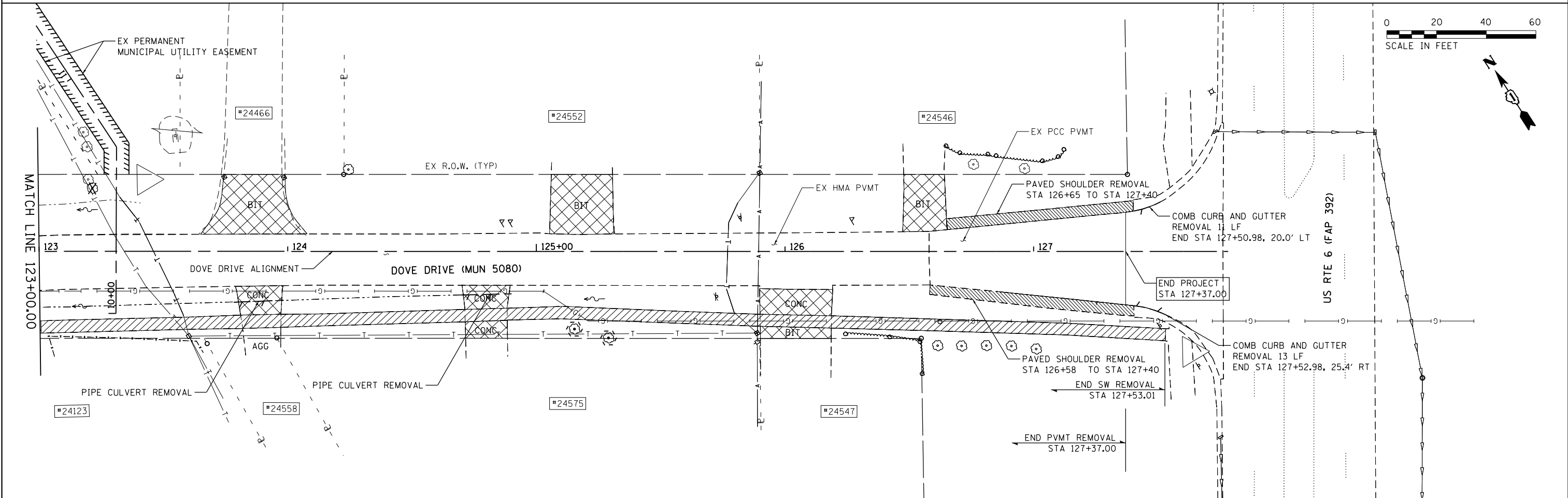
MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	17
CONTRACT NO. 61F19			ILLINOIS FED. AID PROJECT	



NOTE:
 PRIOR TO TREE REMOVAL, THE CONTRACTOR SHALL STAKE THE LOCATION OF THE PROPOSED BACK OF CURB IN AREAS WHERE THE PROPOSED BACK OF CURB IS WITHIN 5 FEET OF THE EXISTING TREE. NO TREES SHALL BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.
 SIDEWALK REMOVAL AT DRIVEWAYS SHALL BE PAID FOR AS SIDEWALK REMOVAL.

- LEGEND**
- PAVED SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
 - SIDEWALK REMOVAL
 - DRIVEWAY PAVEMENT REMOVAL
 - HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
 - TREE REMOVAL
 - LINEAR REMOVAL ITEMS
 - REMOVING CATCH BASINS
 - TREE TRUNK PROTECTION/TREE ROOT PRUNING/TREE PRUNING

PVMT REMOVAL & SW REMOVAL
 STA 117+00.00 TO STA 123+00.00



END PVMT REMOVAL
 STA 127+37.00

END SW REMOVAL
 STA 127+53.01

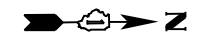
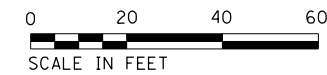
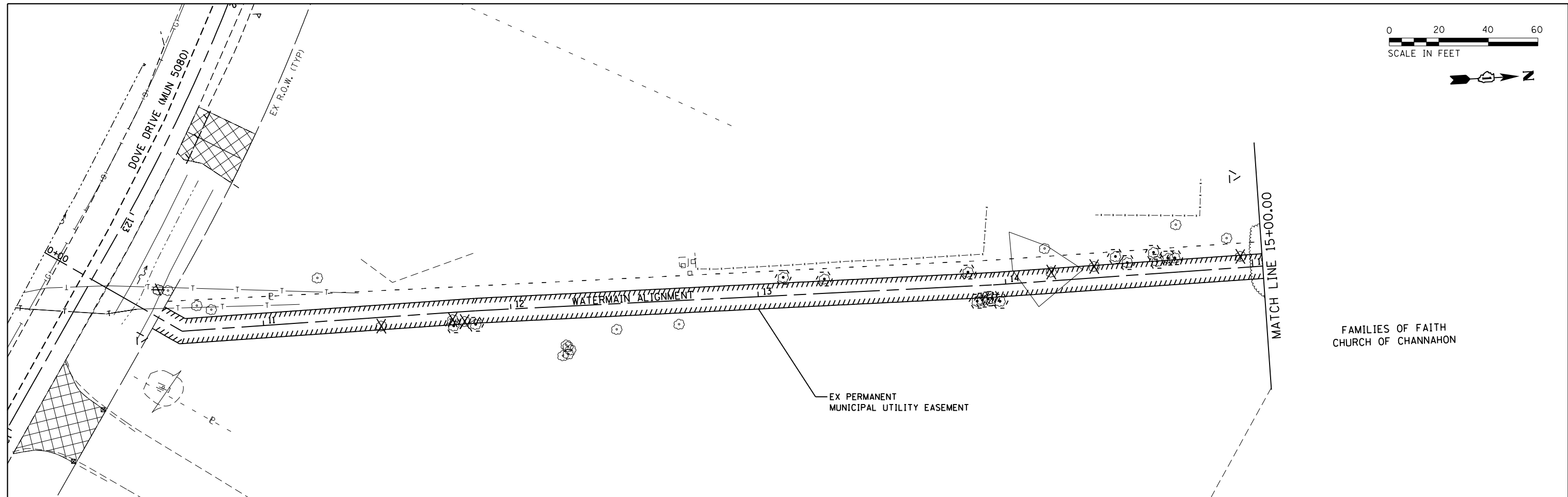
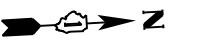
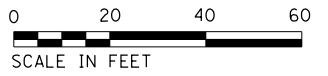
PAVED SHOULDER REMOVAL
 STA 126+58 TO STA 127+40

COMB CURB AND GUTTER
 REMOVAL 13 LF
 END STA 127+52.98, 25.4' RT

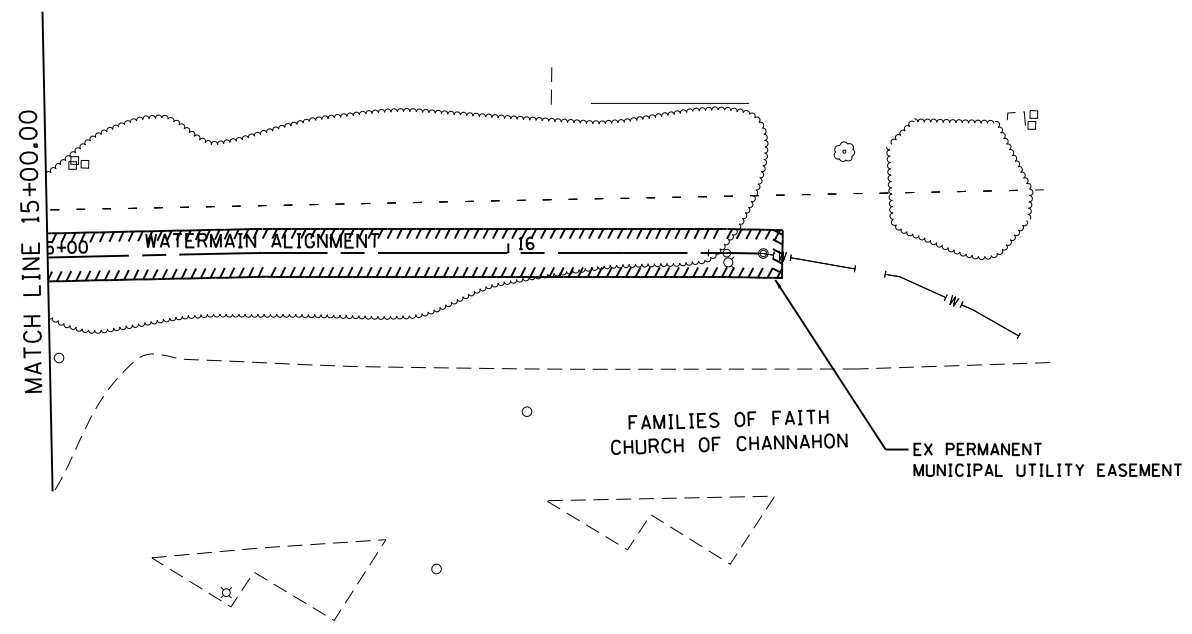
COMB CURB AND GUTTER
 REMOVAL 11 LF
 END STA 127+50.98, 20.0' LT

PAVED SHOULDER REMOVAL
 STA 126+65 TO STA 127+40

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- LEGEND**
- SIDEWALK REMOVAL
 - DRIVEWAY PAVEMENT REMOVAL
 - HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
 - TREE REMOVAL
 - LINEAR REMOVAL ITEMS
 - REMOVING CATCH BASINS
 - TREE TRUNK PROTECTION/TREE ROOT PRUNING/TREE PRUNING



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SA STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = JakeSc	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/29/2018	DATE -	REVISED -

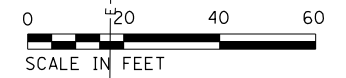
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DOVE DRIVE REMOVAL PLAN
 SCALE: 1" = 20' SHEET 3 OF 3 SHEETS STA. 10+00.00 TO STA. 16+52.12

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	19
CONTRACT NO. 61F19				
<small>ILLINOIS FED. AID PROJECT</small>				

NOTES:

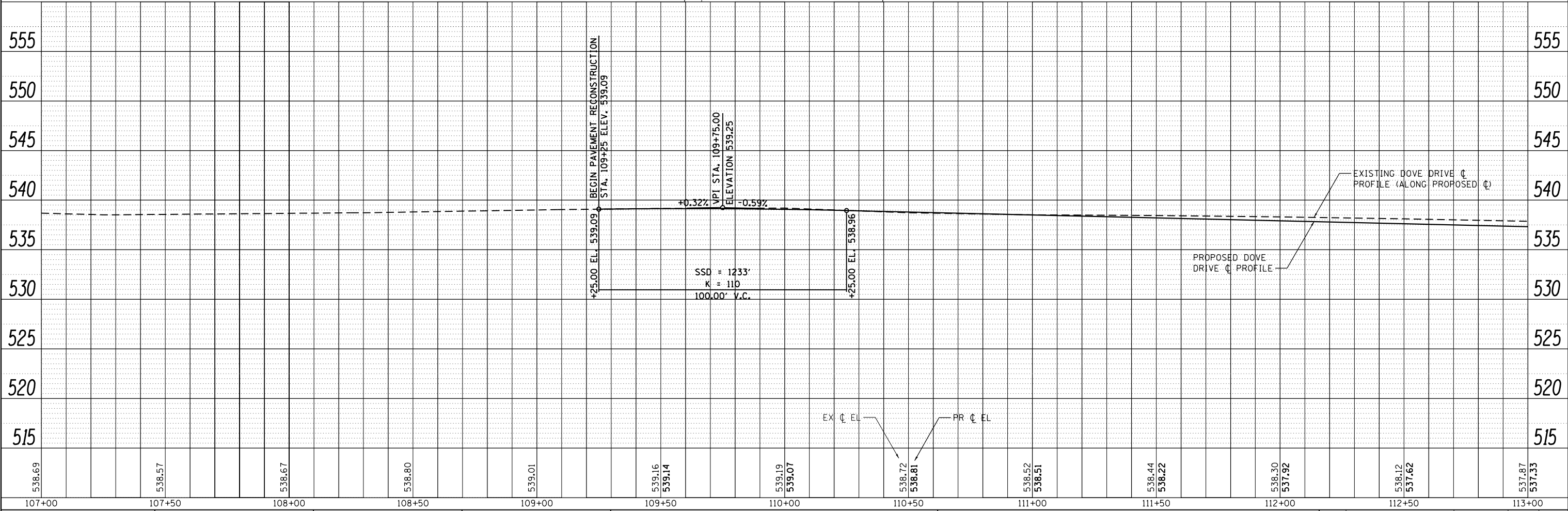
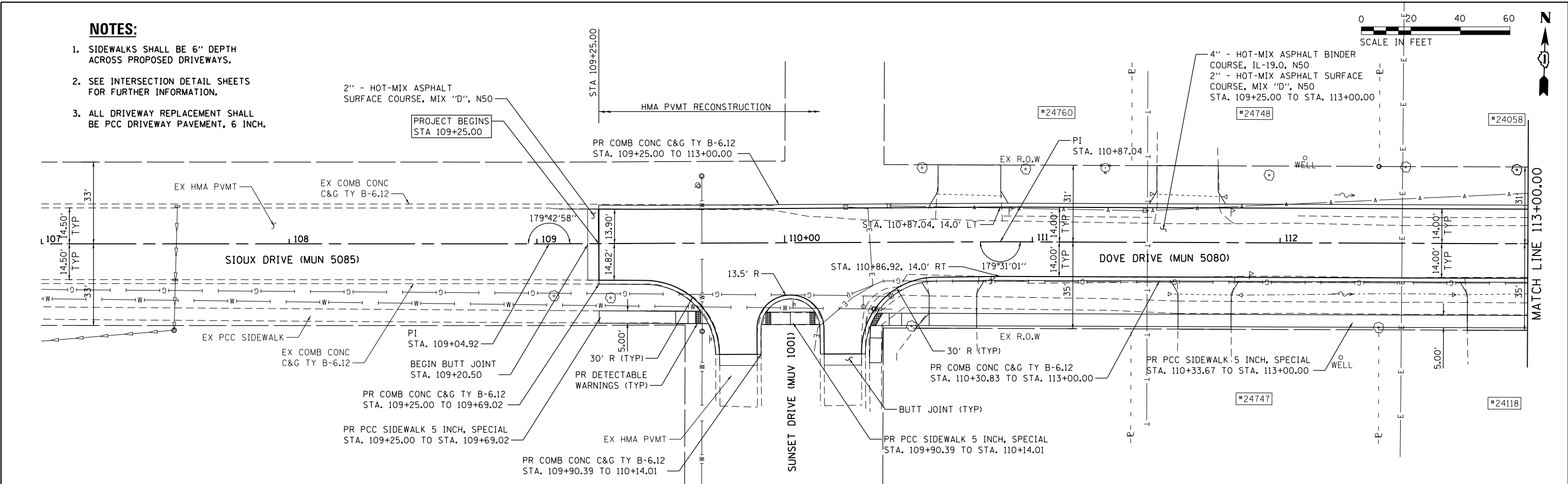
1. SIDEWALKS SHALL BE 6" DEPTH ACROSS PROPOSED DRIVEWAYS.
2. SEE INTERSECTION DETAIL SHEETS FOR FURTHER INFORMATION.
3. ALL DRIVEWAY REPLACEMENT SHALL BE PCC DRIVEWAY PAVEMENT, 6 INCH.



PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO. _____	
	BY _____	

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

FILE NAME = S:\JL16400-6499-6437\108\108.dwg



STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = JakeSc	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/29/2018	DATE = 8/29/2018	REVISED -

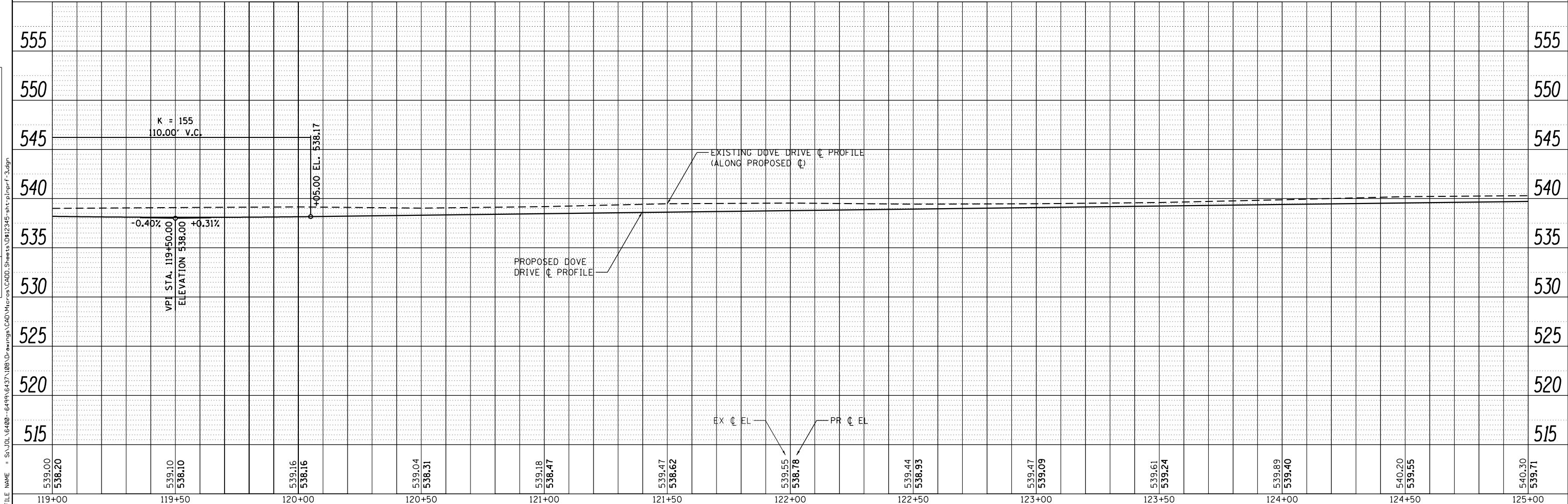
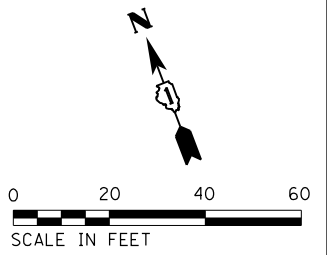
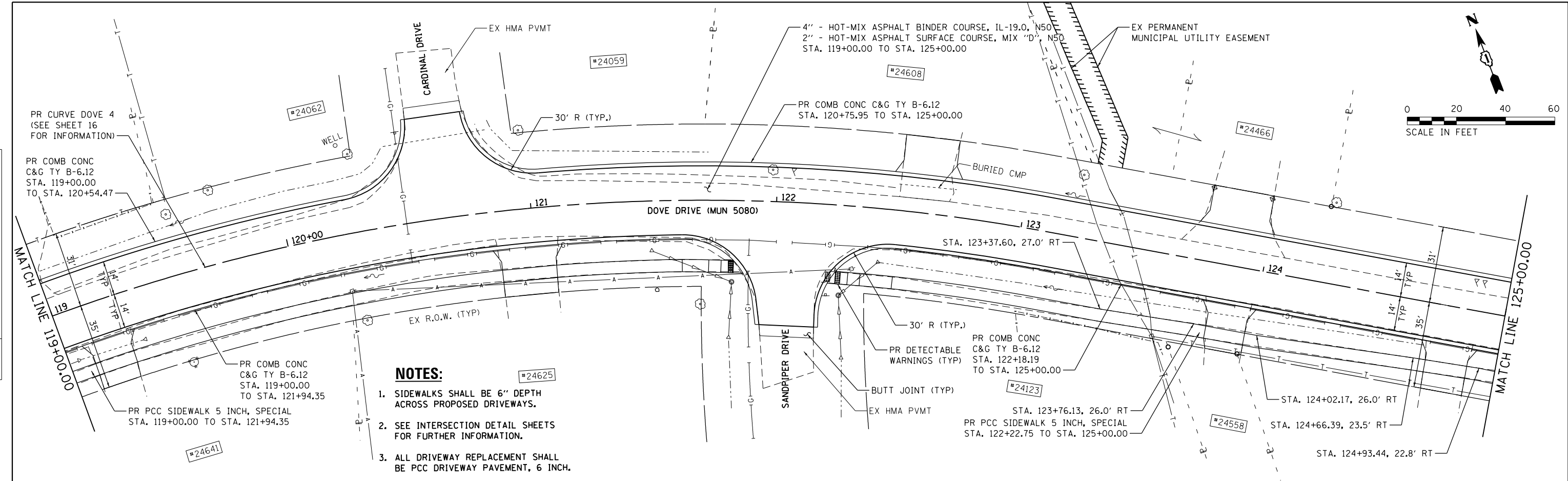
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DOVE DRIVE PLAN AND PROFILE
SCALE: 20'-H 5'-V SHEET 1 OF 4 SHEETS STA. 107+00.00 TO STA. 113+00.00

MUN 5080	SECTION 16-00025-00-FP	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 20
CONTRACT NO. 61F19			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	



STRAND ASSOCIATES*
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

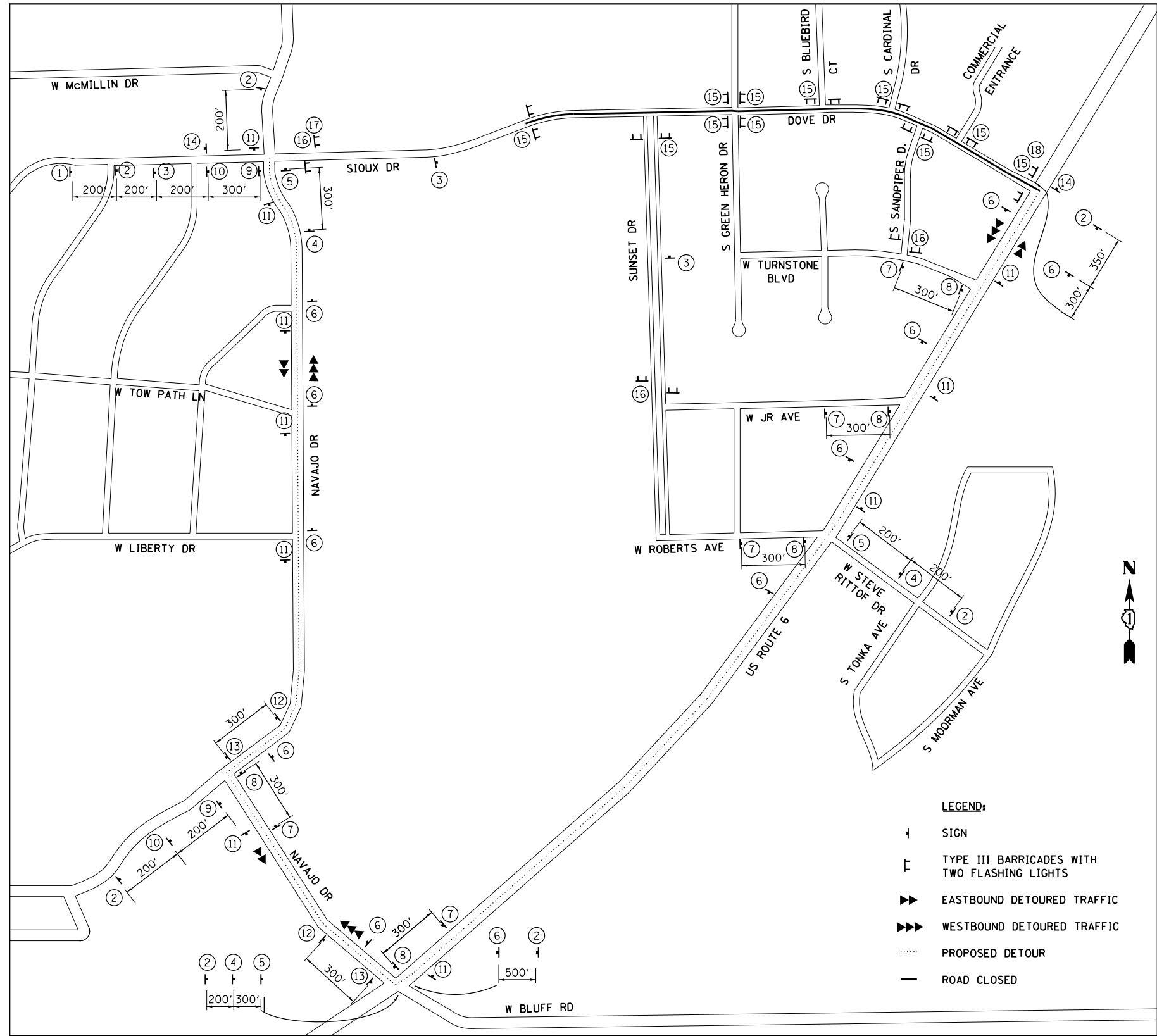
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MODEL NAME = Default	DRAWN -	REVISED -
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PLOT DATE = 8/29/2018	DATE - 8/29/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

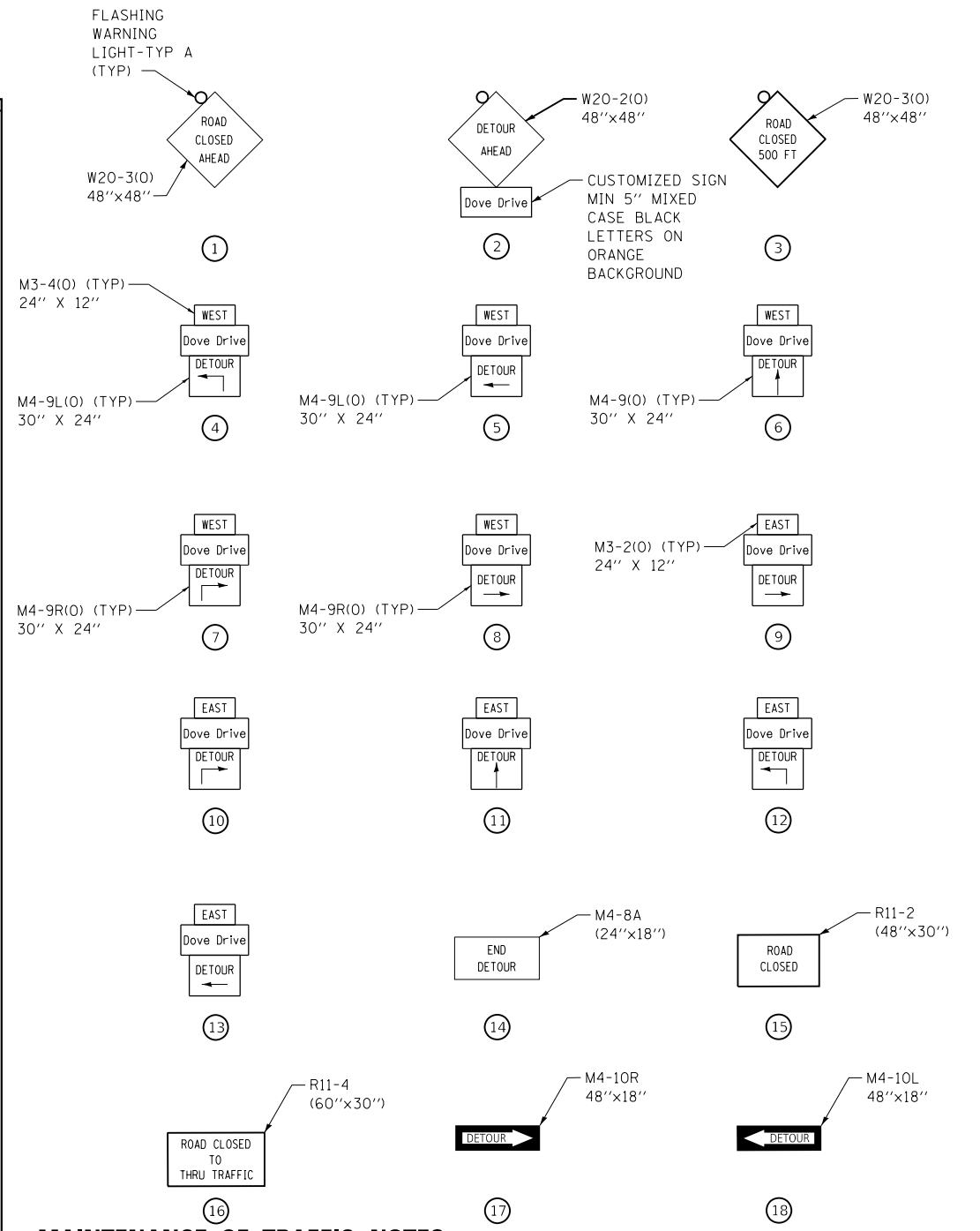
DOVE DRIVE PLAN AND PROFILE
SCALE: 20'-H 5'-V SHEET 3 OF 4 SHEETS STA. 119+00.00 TO STA. 125+00.00

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	22
CONTRACT NO. 61F19			ILLINOIS FED. AID PROJECT	

FILE NAME = S:\JUL6400-6491916437\108\CP-arings\CAD\Micros\CADD_Sheets\6437108-shd-detour.dgn



- LEGEND:**
- ↑ SIGN
 - ⊥ TYPE III BARRICADES WITH TWO FLASHING LIGHTS
 - ▶▶ EASTBOUND DETOURED TRAFFIC
 - ◀◀ WESTBOUND DETOURED TRAFFIC
 - PROPOSED DETOUR
 - ROAD CLOSED



MAINTENANCE OF TRAFFIC NOTES

1. THE CONTRACTOR SHALL CONTACT THE ENGINEER, DISTRICT ONE TRAFFIC CONTROL SUPERVISOR VIA E-MAIL AT CORY.JUCIUS@ILLINOIS.GOV AS WELL AS:
 -VILLAGE OF CHANNAHON: (815)-467-6644
 -CHANNAHON FIRE PROTECTION DISTRICT: (815)-467-6767
 -CHANNAHON POLICE DEPARTMENT: (815)-467-2112
 -CHANNAHON PARK DISTRICT: (815)-467-7275
 -CHANNAHON SCHOOL DISTRICT 17: (815)-467-4315

 A MINIMUM OF 72 HOURS PRIOR TO PROVIDING THE DETOUR.
2. CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS TO ALL INTERSECTIONS AND ENTRANCES DURING CONSTRUCTION OF THE PROJECT. THE WIDTHS FOR THE ACCESS SHALL MATCH THE EXISTING WIDTH OF THE PAVEMENT. INTERSECTIONS AND DRIVEWAY RAMPS SHALL BE INSTALLED BY 5 PM THE SAME DAY AFTER COMMENCING PAVEMENT REMOVAL AT THE INTERSECTION. DRIVEWAY RAMPS SHALL BE INSTALLED BY 5 PM THE SAME DAY AFTER COMMENCING PAVEMENT REMOVAL CONTIGUOUS TO EACH DRIVEWAY.
3. WHEN DOVE DRIVE IS CLOSED, ACCESS TO DOVE DRIVE FROM S. BLUEBIRD COURT, S. CARDINAL DRIVE, AND S. SANDPIPER DRIVE SHALL BE CLOSED ACCORDING TO THE SIGNING SHOWN IN THE DETOUR PLAN. ACCESS TO BLUEBIRD COURT AND CARDINAL DR. SHALL BE MAINTAINED VIA S. GREEN HERON DRIVE.
4. WHEN S. GREEN HERON DRIVE MUST BE CLOSED AT DOVE DRIVE, S. SANDPIPER DRIVE AND S. CARDINAL DRIVE ACCESS OFF OF DOVE DRIVE SHALL BE PROVIDED.



1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = JakeSc	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
PLOT DATE = 8/29/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
 AND DETOUR PLAN**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	26
CONTRACT NO. 61F19				
ILLINOIS FED. AID PROJECT				

PIPE NO.	FROM	TO	LENGTH (FT)	DIA (IN)	PIPE TYPE	SLOPE (%)	D.I.	U.I.
P100	S101	S100	66	48	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE	0.11%	530.50	530.57
P101	S102	S101	148	48	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE	0.10%	530.57	530.72
P102	S103	S102	364	48	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE	0.10%	530.72	531.09
P103	S104	S103	140	48	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE	0.10%	531.09	531.23
P104	S105	S104	382	48	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE	0.10%	531.23	531.61
P105	S107	S106	45	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2	2.89%	533.74	535.03
P106	S109	S106	138	48	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE	0.10%	531.61	531.75
P107	S110	S109	8	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1	1.75%	533.88	534.02
P108	S111	S110	10	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1	6.30%	534.02	534.65
P109	S112	S110	29	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1	3.34%	534.02	534.99
P110	S114	S109	180	48	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE	0.11%	531.75	531.94
P111	S116	S114	8	21	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2	1.06%	531.94	532.03
P112	S117	S116	29	21	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1	0.59%	532.03	532.20
P113	S118	S117	27	21	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1	0.62%	532.20	532.36
P114	S119	S118	26	18	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE	11.30%	533.24	536.15
P115	S120	S118	40	21	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1	0.60%	532.36	532.60
P116	S121	S120	26	21	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE	8.08%	532.60	534.68
P117	S122	S114	23	42	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE	0.13%	531.94	531.97
P118	S123	S122	23	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1	16.34%	532.79	536.42
P119	S124	S122	51	42	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE	0.12%	531.97	532.02
P120	S126	S124	22	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1	4.14%	532.93	533.85
P121	S128	S124	137	42	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE	0.14%	532.02	532.21
P122	S129	S128	8	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2	1.65%	532.23	532.37
P123	S130	S129	10	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1	1.00%	532.37	532.47
P124	S131	S129	29	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1	0.96%	532.37	532.65
P125	S132	S131	10	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1	1.00%	532.65	532.75
P126	S133	S128	37	42	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE	0.16%	532.21	532.27
P127	S134	S133	15	15	*STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1	12.00%	532.70	534.50
P128	S135	S133	43	15	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1	0.66%	532.27	532.55
P129	S136	S133	101	30	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE	0.30%	532.27	532.57
P130	S137	S136	9	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1	1.64%	533.02	533.16
P131	S138	S137	29	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1	0.97%	533.16	533.44
P132	S139	S136	61	30	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE	0.30%	532.57	532.75
P133	S140	S139	22	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1	8.34%	534.70	536.54
P134	S141	S139	50	30	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE	0.30%	532.75	532.90
P135	S142	S141	22	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1	9.74%	534.41	536.57
P136	S143	S141	180	30	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE	0.31%	532.90	533.45
P137	S144	S143	8	15	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2	1.66%	533.90	534.04
P138	S145	S144	10	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1	0.97%	534.04	534.14
P139	S146	S144	29	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1	0.97%	534.04	534.32
P140	S147	S146	10	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1	1.01%	534.32	534.42
P141	S148	S143	84	30	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE	0.30%	533.45	533.70
P142	S149	S148	23	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1	6.29%	535.48	536.90
P143	S150	S148	48	24	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2	0.31%	533.70	533.85
P144	S151	S150	22	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1	13.34%	534.53	537.50
P145	S152	S150	76	24	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1	0.30%	533.85	534.08
P146	S153	S152	8	15	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2	1.65%	534.12	534.26
P147	S154	S153	29	15	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1	0.76%	534.26	534.48
P148	S155	S154	22	15	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1	0.98%	534.48	534.70
P149	S156	S155	33	12	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE	8.54%	535.00	537.86
P150	S157	S155	48	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1	0.81%	534.70	535.09
P151	S158	S157	40	12	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE	6.00%	535.09	537.47
P152	S159	S152	145	18	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2	0.55%	534.08	534.88
P153	S160	S159	8	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2	1.65%	535.17	535.31
P154	S161	S160	29	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1	0.97%	535.31	535.59
P155	S162	S159	123	15	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2	0.55%	534.88	535.56
P156	S163	S162	8	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2	1.53%	535.56	535.69
P157	S164	S163	29	12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1	1.93%	535.69	536.25

*15" CHECK VALVE INSTALLED ON DOWNSTREAM END

LEGEND

BOUNDARY LINES/SYMBOLS	EXISTING	PROPOSED
DITCH & SWALE BOTTOM	----	----
SUMMIT	↔	↔
DIRECTION OF SWALE FLOW	→	→
PIPE CULVERT	----	----
PIPE UNDERDRAINS, TYPE 1, 6"	— —	— —
STORM SEWER	— —	— —
CATCH BASIN	○	●
INLET	—	—
MANHOLE OR PRECAST TEE W/RISER	○	○
RCP TEE		↑
RCP REDUCER		⊞
PIPE CULVERT END SECTION	◁	◁
STRUCTURES		XXX
PIPES		XXX
CLEANING DRY WELLS		C DW
MJ CAP		⌈

FILE NAME = S:\JULI6400-6491\6437\108\Drawings\CAD\Micros\CADD_Sheets\6437\108-ht-dr-ann-schedule.dgn



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = JakeSc	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/29/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE SCHEDULES

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	27
CONTRACT NO. 61F19			ILLINOIS FED. AID PROJECT	

FILE NAME = S:\JUL\6400-6491\6437\108\Drawings\CADD\Micros\CADD\Sheet\Sched\108-sht-drain-schedule.dgn

STRUCTURE NO.	STRUCTURE TYPE	STATION	OFFSET	RIM ELEV	INV (N)	INV (E)	INV (S)	INV (W)
S100	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	99+03.12	-23.76	537.61		530.50		
S101	RCP TEE, EQUIVALENT ROUND-SIZE, 48" PIPE WITH 24" RISER, TYPE 1 FRAME, CLOSED LID	99+69.55	-23.27	537.62		530.57		530.57
S102	RCP TEE, EQUIVALENT ROUND-SIZE, 48" PIPE WITH 24" RISER, TYPE 1 FRAME, CLOSED LID	101+22.54	-22.98	537.00		530.72		530.72
S103	RCP TEE, EQUIVALENT ROUND-SIZE, 48" PIPE WITH 24" RISER, TYPE 1 FRAME, CLOSED LID	104+87.57	-26.31	539.79		531.09		531.09
S104	RCP TEE, EQUIVALENT ROUND-SIZE, 48" PIPE WITH 24" RISER, TYPE 1 FRAME, CLOSED LID	106+22.91	-25.95	540.11		531.23		531.23
S105	RCP TEE, EQUIVALENT ROUND-SIZE, 48" PIPE WITH 24" RISER, TYPE 1 FRAME, CLOSED LID	109+94.62	-23.07	539.39		531.60		531.60
S106	RCP TEE, EQUIVALENT ROUND-SIZE, 48" PIPE WITH 12" LATERAL	110+02.69	-23.04			531.61	533.74	531.61
S107	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	110+02.23	21.59	538.53	535.03			
S108	RCP TEE, EQUIVALENT ROUND-SIZE, 48" PIPE WITH 24" RISER, TYPE 1 FRAME, CLOSED LID	111+32.00	-23.00	538.35		531.74		531.74
S109	RCP TEE, EQUIVALENT ROUND-SIZE, 48" PIPE WITH 12" LATERAL	111+39.91	-23.00			531.75	533.88	531.75
S110	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	111+40.00	-14.45	538.00	534.02		534.02	534.02
S111	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	111+29.97	-14.50	538.05		534.65		
S112	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	111+40.16	14.40	538.00	534.99			
S113	RCP TEE, EQUIVALENT ROUND-SIZE, 42" PIPE WITH 24" RISER, TYPE 8 GRATE	113+20.74	-23.00			531.93		531.93
S114	RCP TEE, EQUIVALENT ROUND-SIZE, 42" PIPE WITH 21" LATERAL	113+28.74	-23.00			531.94	531.94	531.94
S115	RCP REDUCER, EQUIVALENT ROUND-SIZE, 48" TO EQUIVALENT ROUND-SIZE, 42"	113+38.00	-22.93	537.36		533.25		533.25
S116	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	113+28.74	-14.50	536.73	532.03		532.03	
S117	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	113+28.74	14.48	536.73	532.20	532.20		
S118	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	113+54.20	23.29	536.89		532.36	533.24	532.36
S119	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	113+52.65	49.01	536.15	536.15			
S120	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	113+94.49	23.29	536.58			532.60	
S121	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 21"	113+95.00	49.00	534.68	534.68			
S122	RCP TEE, EQUIVALENT ROUND-SIZE, 42" PIPE WITH 24" RISER, TYPE 8 GRATE	113+52.74	-22.79	536.60	532.79	531.97		531.97
S123	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	113+52.08	-45.00	536.42			536.42	
S124	REINFORCED CONCRETE PIPE TEE, EQUIVALENT ROUND-SIZE, 42" PIPE WITH 12" LATERAL	113+94.23	-22.77		532.93	532.02		532.02
S125	REINFORCED CONCRETE PIPE TEE, EQUIVALENT ROUND-SIZE, 42" PIPE WITH 24" RISER, TYPE 8 GRATE	114+03.47	-22.76	537.36		532.15		532.15
S126	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	113+95.49	-44.97	533.85			533.85	
S127	REINFORCED CONCRETE PIPE TEE, EQUIVALENT ROUND-SIZE, 42" PIPE WITH 24" RISER, TYPE 8 GRATE	115+23.46	-22.99			532.08		532.08
S128	REINFORCED CONCRETE PIPE TEE, EQUIVALENT ROUND-SIZE, 42" PIPE WITH 12" LATERAL	115+31.46	-23.00	536.40		532.21	532.23	532.21
S129	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	115+31.46	-14.50	535.92	532.37	532.37	532.37	
S130	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	115+41.49	-14.51	535.92				532.47
S131	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	115+31.46	14.52	535.92	532.65	532.65		
S132	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	115+41.43	14.50	535.92				532.75
S133	DRY WELL, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	115+68.04	-23.00	537.37	532.70	532.27	532.27	532.27
S134	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	115+67.68	-41.47	534.50			534.50	



USER NAME = JakeSc
MODEL NAME = Default
PLOT SCALE = 2.0000' / in.
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DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SCHEDULES

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	28
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F19	

FILE NAME = S:\JUL16400-6491\6437\108\Drawings\CADD\Micros\CADD_Sheets\6437\108-INT-DR-AM-Schedule.dgn

STRUCTURE NO.	STRUCTURE TYPE	STATION	OFFSET	RIM ELEV	INV (N)	INV (E)	INV (S)	INV (W)
S135	TYPE C, CATCH BASIN, TYPE 8 GRATE	115+67.03	19.69	535.74	532.55			
S136	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, OPEN LID	116+69.00	-23.08	537.14		532.57	533.02	532.57
S137	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	116+69.00	-14.50	536.66	533.16		533.16	
S138	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	116+69.00	14.50	536.66	533.44			
S139	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	117+29.55	-23.16	538.40	534.70	532.75		532.75
S140	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	117+32.58	-45.00	536.54			536.54	
S141	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 11 FRAME AND GRATE	117+79.26	-22.96	538.02	534.41	532.90		532.90
S142	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	117+81.80	-45.00	536.57			536.57	
S143	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	119+56.90	-23.02	538.65		533.45	533.90	533.45
S144	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	119+56.90	-14.50	537.81	534.04	534.04	534.04	
S145	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	119+67.03	-14.51	537.82				534.14
S146	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	119+56.90	14.50	537.81	534.42	534.42		
S147	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	119+67.03	14.49	537.82				534.42
S148	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	120+38.34	-23.18	538.98	535.48	533.70		533.70
S149	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	120+43.89	-45.00	536.90			536.90	
S150	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	120+84.64	-22.69	538.13	534.53	533.85		533.85
S151	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	120+85.30	-45.00	537.50			537.50	
S152	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	121+59.00	-23.00	539.10		534.08	534.12	534.08
S153	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	121+59.09	-14.40	538.35	534.26		534.26	
S154	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	121+59.00	14.50	538.38	534.48	534.48		
S155	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	121+80.95	21.27	538.70		534.70	535.00	534.70
S156	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	121+81.30	54.76	537.86	537.86			
S157	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	122+30.23	21.26	538.59			535.09	535.09
S158	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	122+31.03	60.90	537.47	537.47			
S159	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	123+00.00	-23.00	539.49		534.88	535.17	534.88
S160	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	123+00.03	-14.51	538.81	535.31		535.31	
S161	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	123+00.00	14.50	538.81	535.59			
S162	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	124+23.00	-23.00	539.80			535.56	535.56
S163	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	124+23.00	-14.50	539.19	535.69		535.69	
S164	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	124+23.03	14.49	539.19	536.25			
S165	RCP TEE, EQUIVALENT ROUND-SIZE, 42" PIPE WITH 21" LATERAL	113+44.74	22.87	534.80	532.79	531.97		531.97



USER NAME = JakeSc	DESIGNED -	REVISED -
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PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

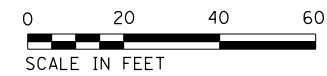
DRAINAGE SCHEDULES

SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	29
			CONTRACT NO. 61F19	
ILLINOIS FED. AID PROJECT				

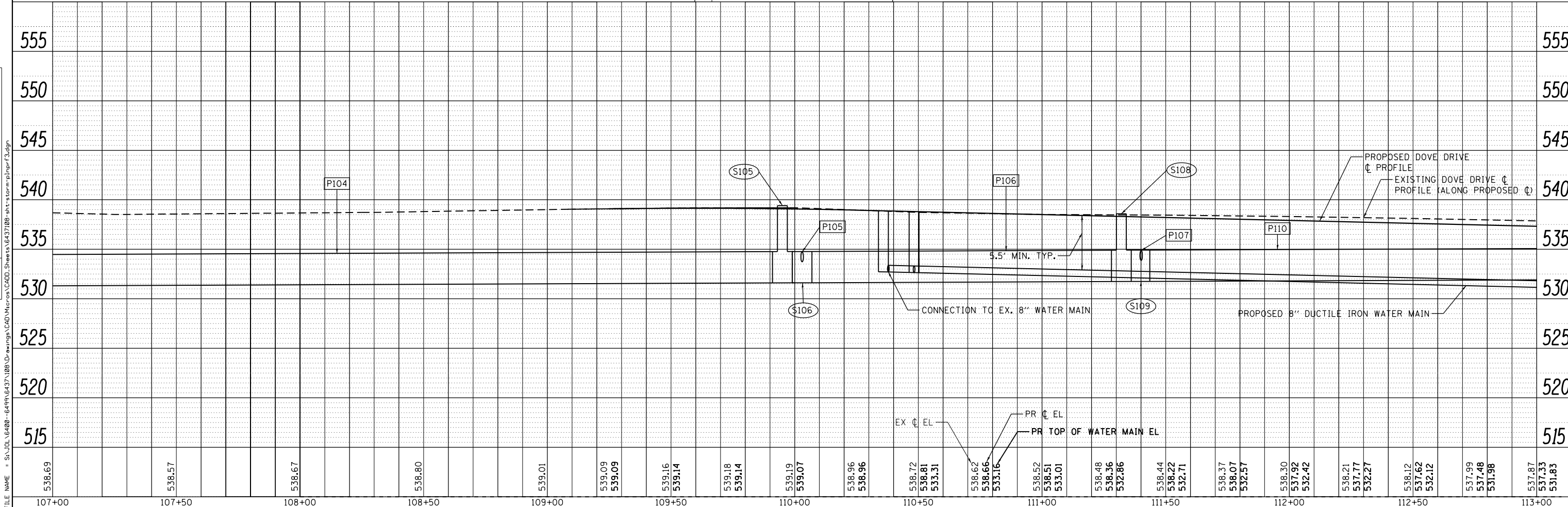
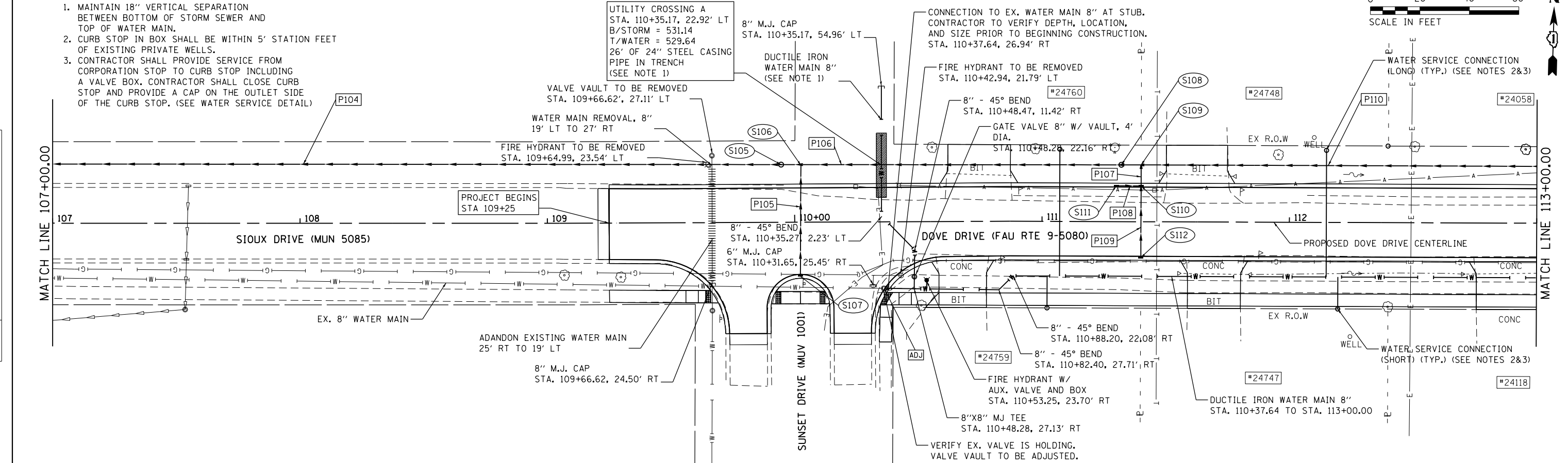
NOTES:

1. MAINTAIN 18" VERTICAL SEPARATION BETWEEN BOTTOM OF STORM SEWER AND TOP OF WATER MAIN.
2. CURB STOP IN BOX SHALL BE WITHIN 5' STATION FEET OF EXISTING PRIVATE WELLS.
3. CONTRACTOR SHALL PROVIDE SERVICE FROM CORPORATION STOP TO CURB STOP INCLUDING A VALVE BOX. CONTRACTOR SHALL CLOSE CURB STOP AND PROVIDE A CAP ON THE OUTLET SIDE OF THE CURB STOP. (SEE WATER SERVICE DETAIL)



PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	



538.69	538.57	538.67	538.80	539.01	539.09	539.16	539.14	539.18	539.14	539.19	539.07	538.96	538.96	538.72	538.81	533.31	538.62	538.66	533.16	538.52	538.51	533.01	538.48	538.36	532.86	538.44	538.22	532.71	538.37	538.07	532.57	538.30	537.92	532.42	538.21	537.77	532.27	538.12	537.62	532.12	537.99	537.48	531.98	537.87	537.33	531.83					
107+00	107+50	108+00	108+50	109+00	109+50	110+00	110+50	111+00	111+50	112+00	112+50	113+00																																							

STRAND ASSOCIATES*
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = JakeSc
MODEL NAME = Default
PLOT SCALE = 40.0000' / in.
PLOT DATE = 8/29/2018

DESIGNED -
DRAWN -
CHECKED -
DATE - 8/29/2018

REVISED -
REVISED -
REVISED -
REVISED -

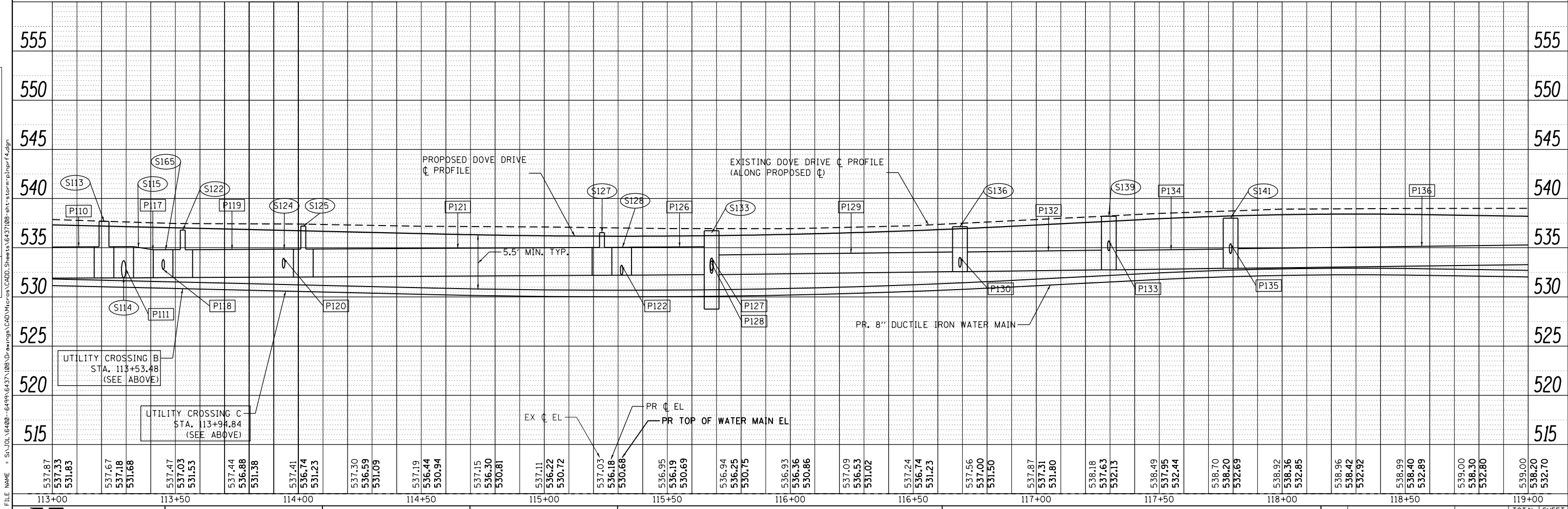
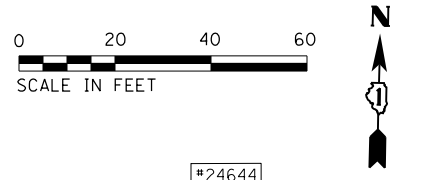
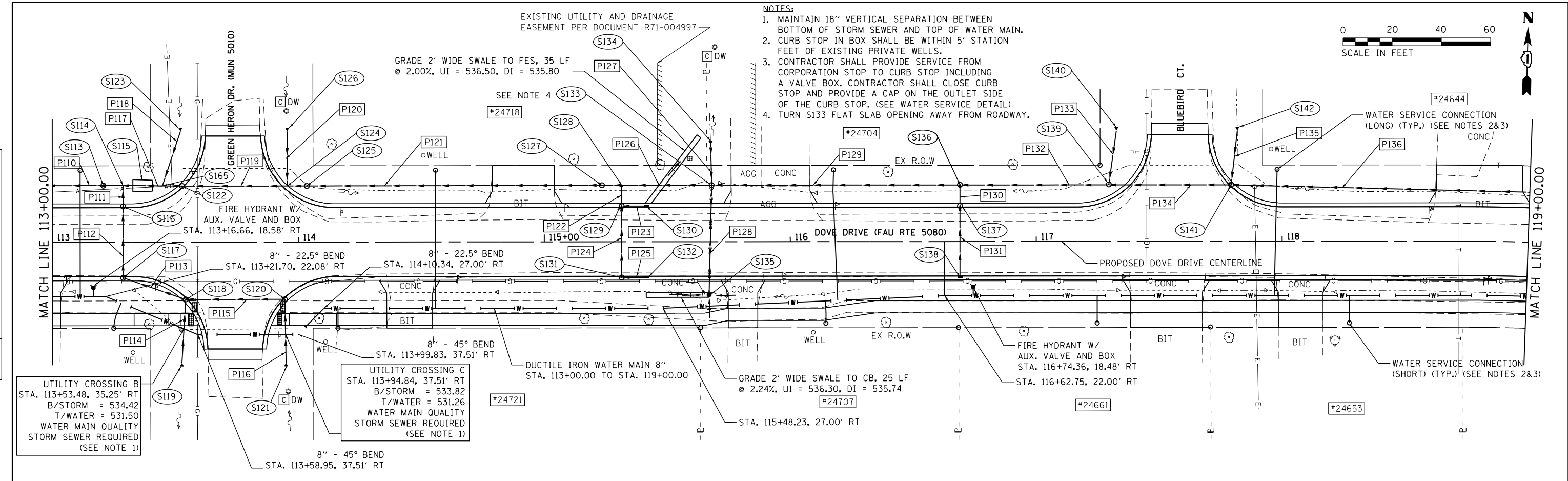
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY PLAN AND PROFILE
DOVE DRIVE**
SCALE: 20'-H 5'-V SHEET 3 OF 7 SHEETS STA. 107+00.00 TO STA. 113+00.00

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	32
CONTRACT NO. 61F19			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOT AT THIS OFFICE	
	NO. _____	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOT AT THIS OFFICE	
	NO. _____	



STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = JakeSc
MODEL NAME = Default
PLOT SCALE = 40.0000' / in.
PLOT DATE = 8/29/2018

DESIGNED -
DRAWN -
CHECKED -
DATE - 8/29/2018

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

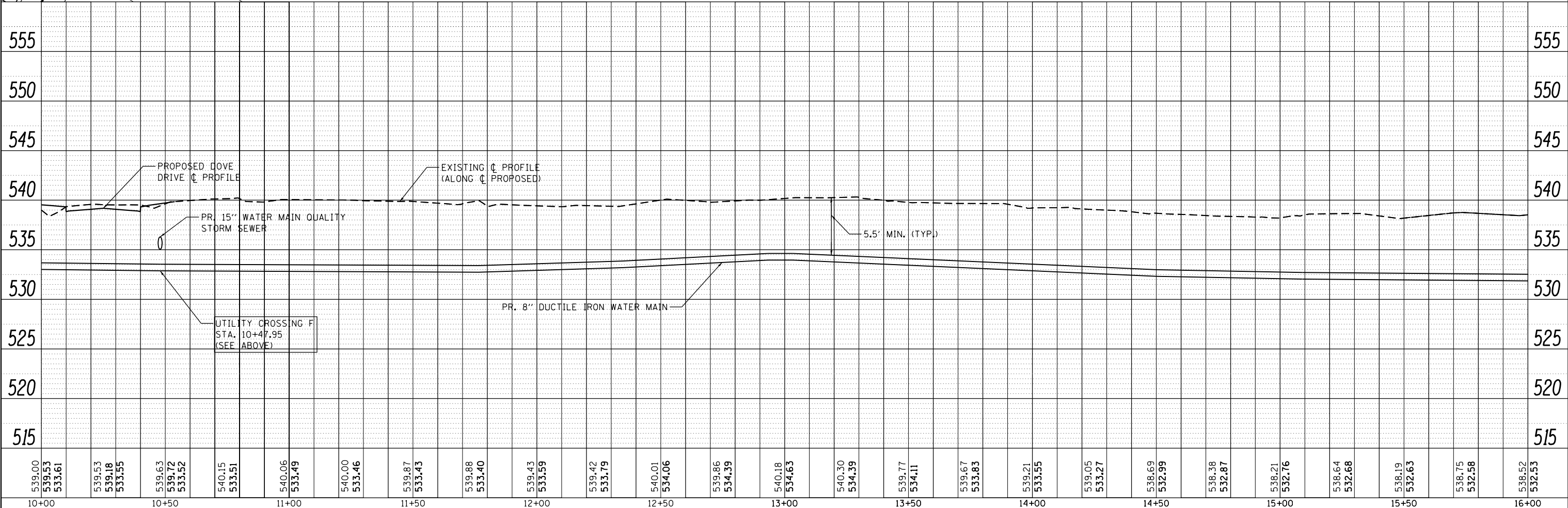
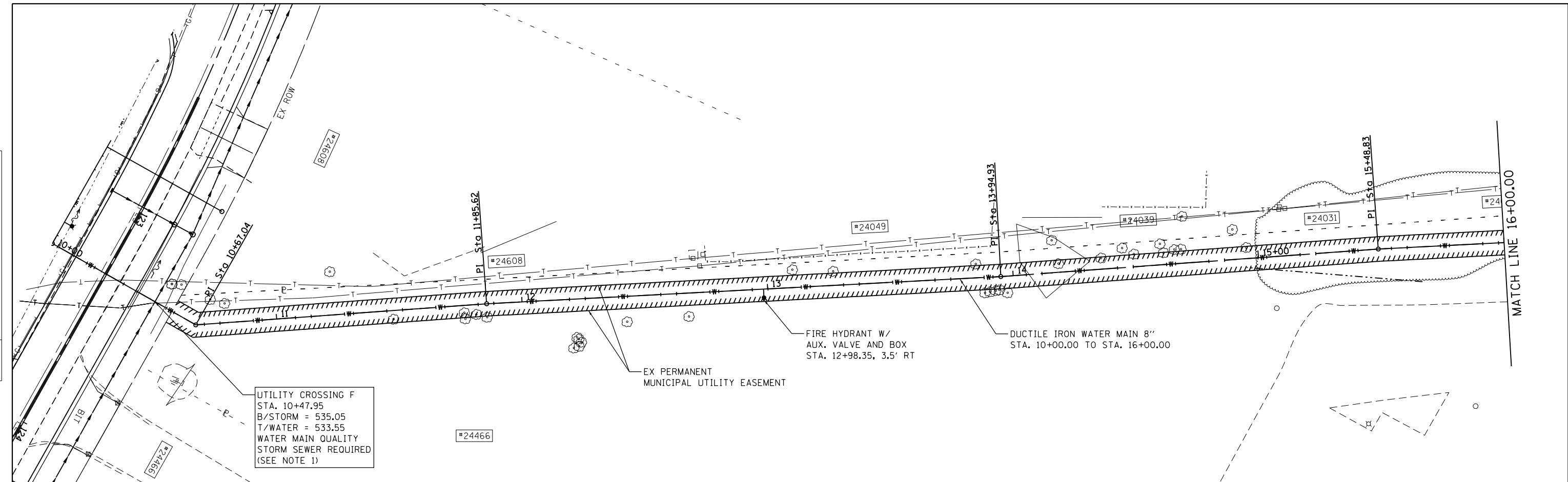
DRAINAGE AND UTILITY PLAN AND PROFILE
DOVE DRIVE

SCALE: 20'-H 5'-V SHEET 4 OF 7 SHEETS STA. 113+00.00 TO STA. 119+00.00

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	33
CONTRACT NO. 61F19			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
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	FILE NAME		



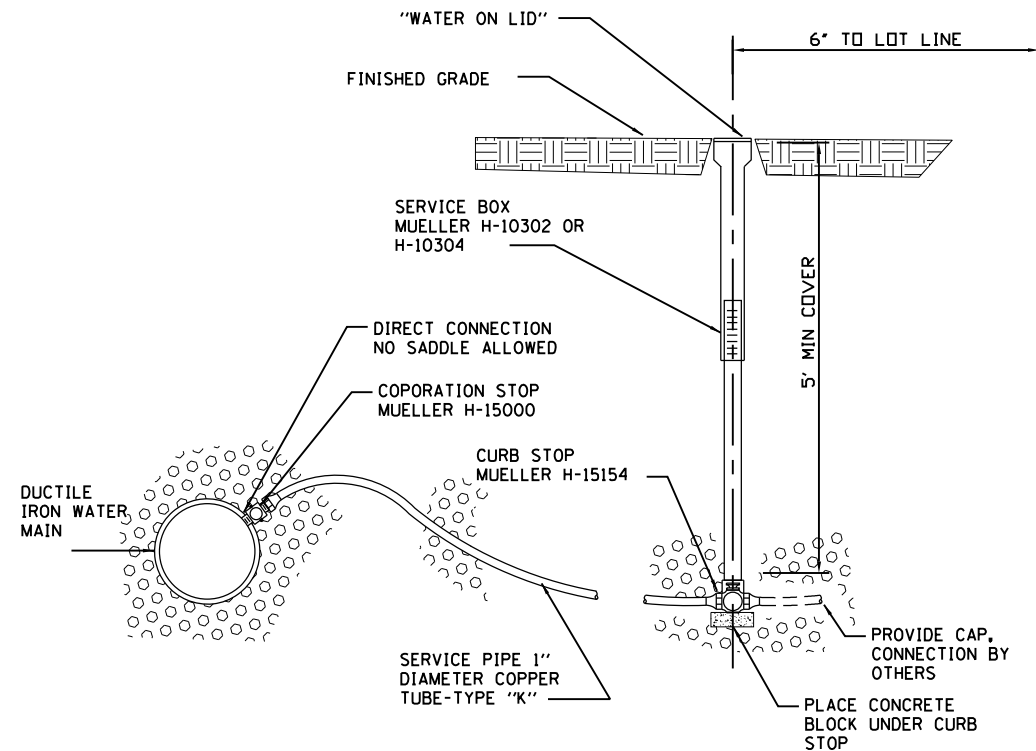
STRAND ASSOCIATES*
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = JakeSc	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/29/2018	DATE - 8/29/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

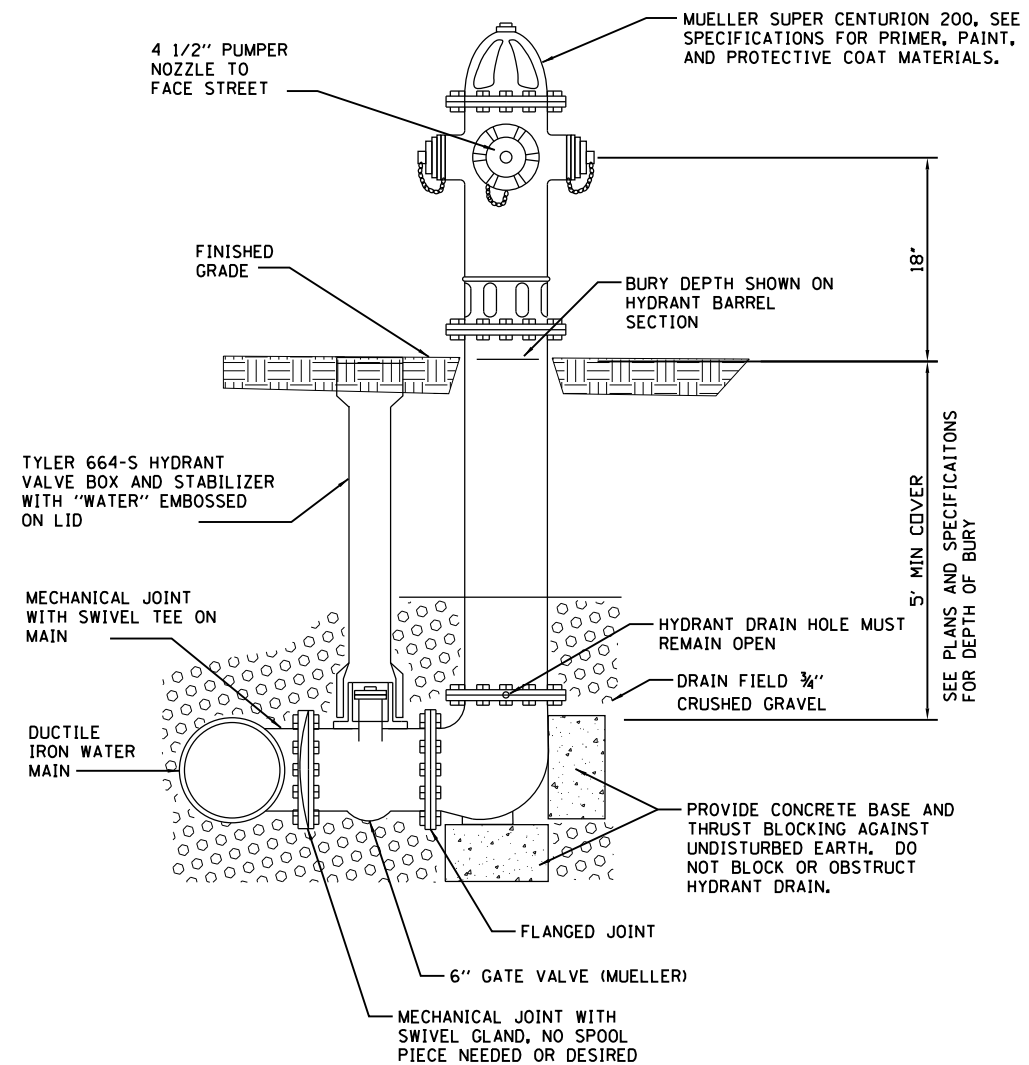
**DRAINAGE AND UTILITY PLAN AND PROFILE
WATERMAIN ALIGNMENT**
SCALE: 20-H 5-V SHEET 6 OF 7 SHEETS STA. 10+00.00 TO STA. 16+00.00

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	35
CONTRACT NO. 61F19			ILLINOIS FED. AID PROJECT	



- GENERAL NOTES**
1. WATER SERVICES SHALL BE TREATED AS WATER MAIN WITH REGARD TO WATER AND SEWER SEPARATION REQUIREMENTS
 2. SERVICE PIPE SHALL BE ONE PIECE WITH NO SPLICES
 3. CRUSHED CA-7 or CA-6 SHALL BE USED FOR 6" BEDDING AND 6" COVER ON SERVICE LINES
 4. TRENCH BACKFILL SHALL BE CRUSHED CA-7, SEE SPECIFICATION

WATER SERVICE DETAIL



GENERAL NOTES

1. AUXILIARY VALVES SHALL BE MUELLER 6" GATE VALVE.
2. HYDRANT EXTENSIONS, WHEN NECESSARY, SHALL BE ONE PIECE.
3. MEGA-LUG SHALL BE USED FOR ALL FLANGED JOINTS, FITTINGS, ETC.
4. HYDRANT LEADS SHALL BE TREATED AS WATER MAIN AND ALL WATER SEWER SEPARATION REQUIREMENTS SHALL APPLY.
5. POLYWRAP SHALL BE USED ON HYDRANT BARREL SECTION.
6. HYDRANT SHALL BE PLACED BEFORE MAIN VALVES AT THE END OF THE PROPOSED SITE WATER MAIN. THIS DOES NOT APPLY TO FLUSHING HYDRANTS.

FIRE HYDRANT DETAIL

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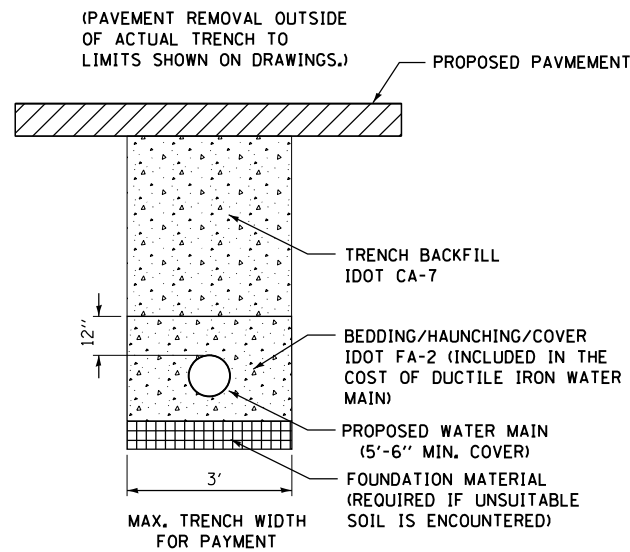
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

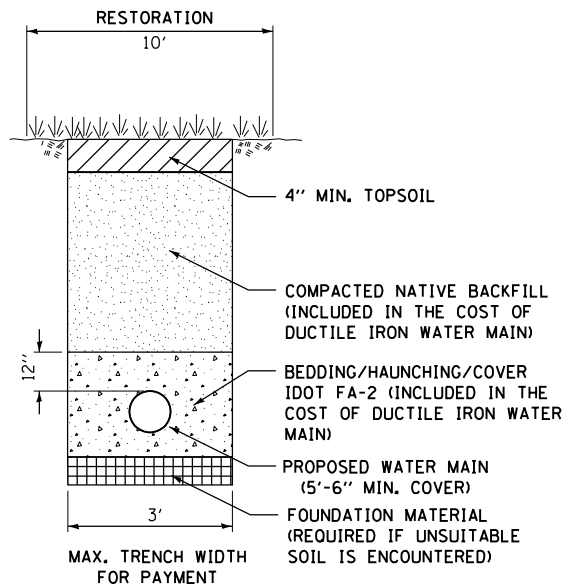
WATERMAIN DETAILS

SCALE: N/A SHEET 1 OF 2 SHEETS STA. TO STA.

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	37
CONTRACT NO. 61F19				
ILLINOIS FED. AID PROJECT				



TRENCH DETAIL
PAVED AREAS



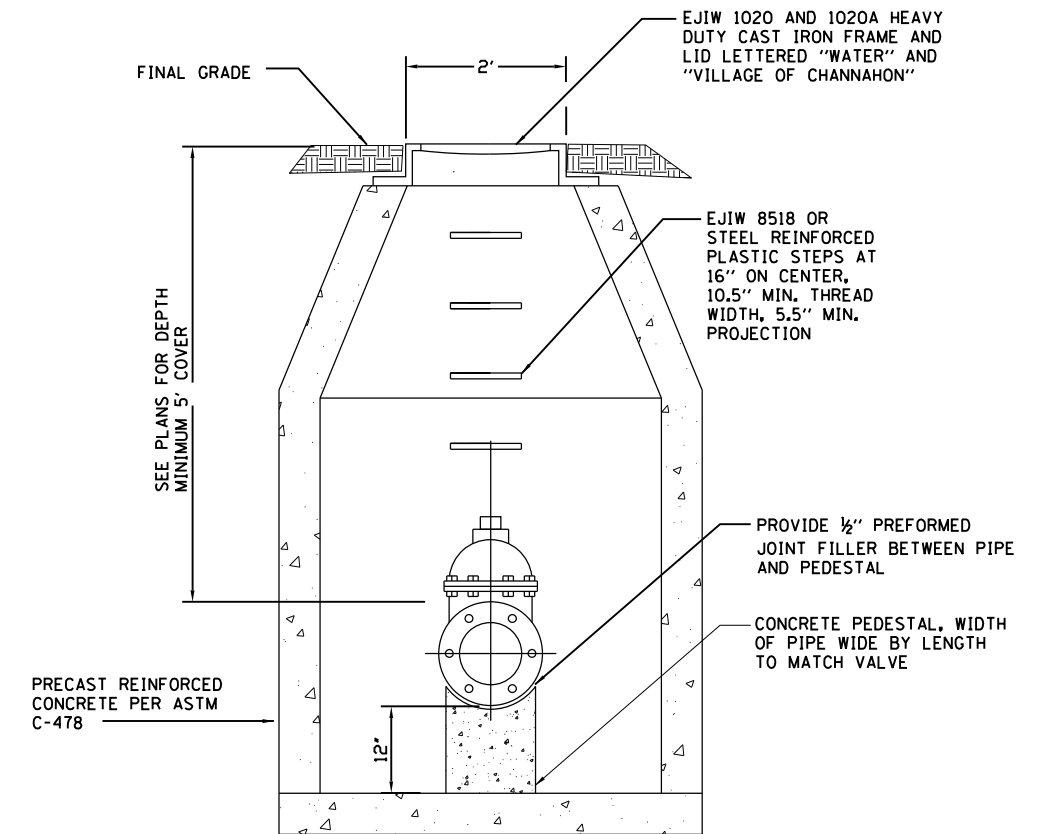
TRENCH DETAIL
LANDSCAPED AREAS

MIN. DISTANCE TO BE RESTRAINED (ALL JOINTS WITHIN THIS DISTANCE MUST BE RESTRAINED)		
BEND/FITTING TYPE	DISTANCE	NOTES
6" - 90° BEND	19'	ALONG BOTH BRANCHES
8" - 90° BEND	25'	ALONG BOTH BRANCHES
6" - 45° BEND	8'	ALONG BOTH BRANCHES
8" - 45° BEND	11'	ALONG BOTH BRANCHES
6" - 22.5° BEND	4'	ALONG BOTH BRANCHES
8" - 22.5° BEND	5'	ALONG BOTH BRANCHES
6" - 11.25° BEND	2'	ALONG BOTH BRANCHES
8" - 11.25° BEND	3'	ALONG BOTH BRANCHES
FIRE HYDRANT LEAD	ALL JOINTS	-
6" TEE	16'	ALONG BOTH BRANCHES
8" TEE	37'	ALONG BOTH BRANCHES
8" X 6" REDUCER	38'	ALONG LARGER BRANCH
6" VERT. BEND 45°	28'/4"	UPPER BEND/LOWER BEND
8" VERT. BEND 45°	37'/6"	UPPER BEND/LOWER BEND
6" VERT. BEND 22.5°	14'/2"	UPPER BEND/LOWER BEND
8" VERT. BEND 22.5°	18'/3"	UPPER BEND/LOWER BEND
6" VERT. BEND 11.25°	7'/1"	UPPER BEND/LOWER BEND
8" VERT. BEND 11.25°	9'/2"	UPPER BEND/LOWER BEND
6" DEAD END	68'	-
8" DEAD END	89'	-

RESTRAINED LENGTHS WERE CALCULATED USING A SAFETY FACTOR OF 2, TYPE 4 TRENCH CONDITIONS, SM SOIL CLASSIFICATION, 150 PSI HYDROSTATIC TEST PRESSURE AND FIVE FOOT BURY DEPTH.

MEGALUG RESTRAINED JOINT DEVELOPMENT LENGTH TABLE

ALL RESTRAINED JOINT LENGTHS ARE BASED ON POLY-WRAPPED D.I. PIPE AND THE ASSUMPTIONS INDICATED IN THE ABOVE TABLE. ANY DEVIATION FROM THE PIPE MATERIAL OR ASSUMPTIONS WILL REQUIRE REVISION OF THE RESTRAINED JOINT DEVELOPMENT LENGTHS TO CONFORM WITH AWWA STANDARDS.

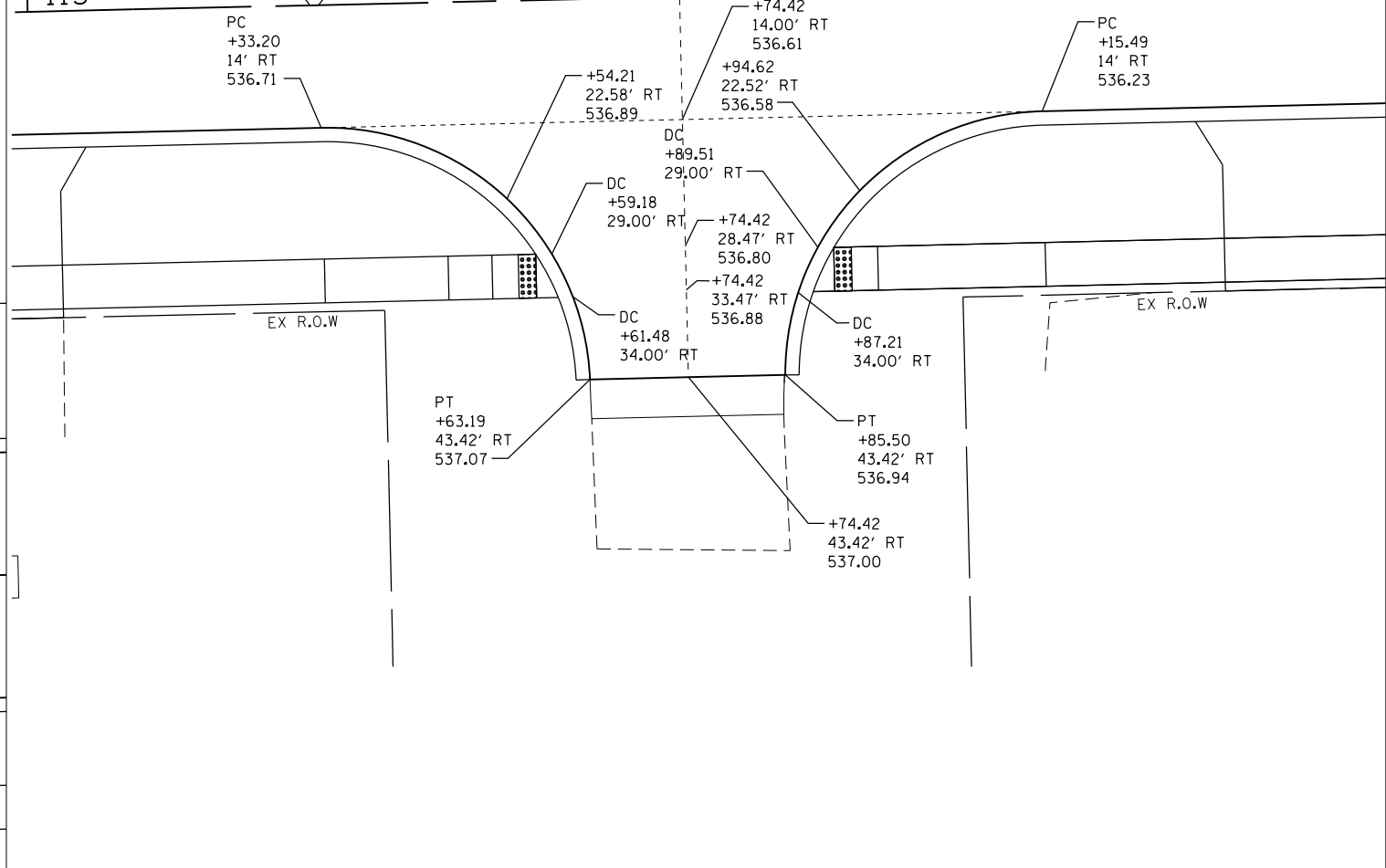
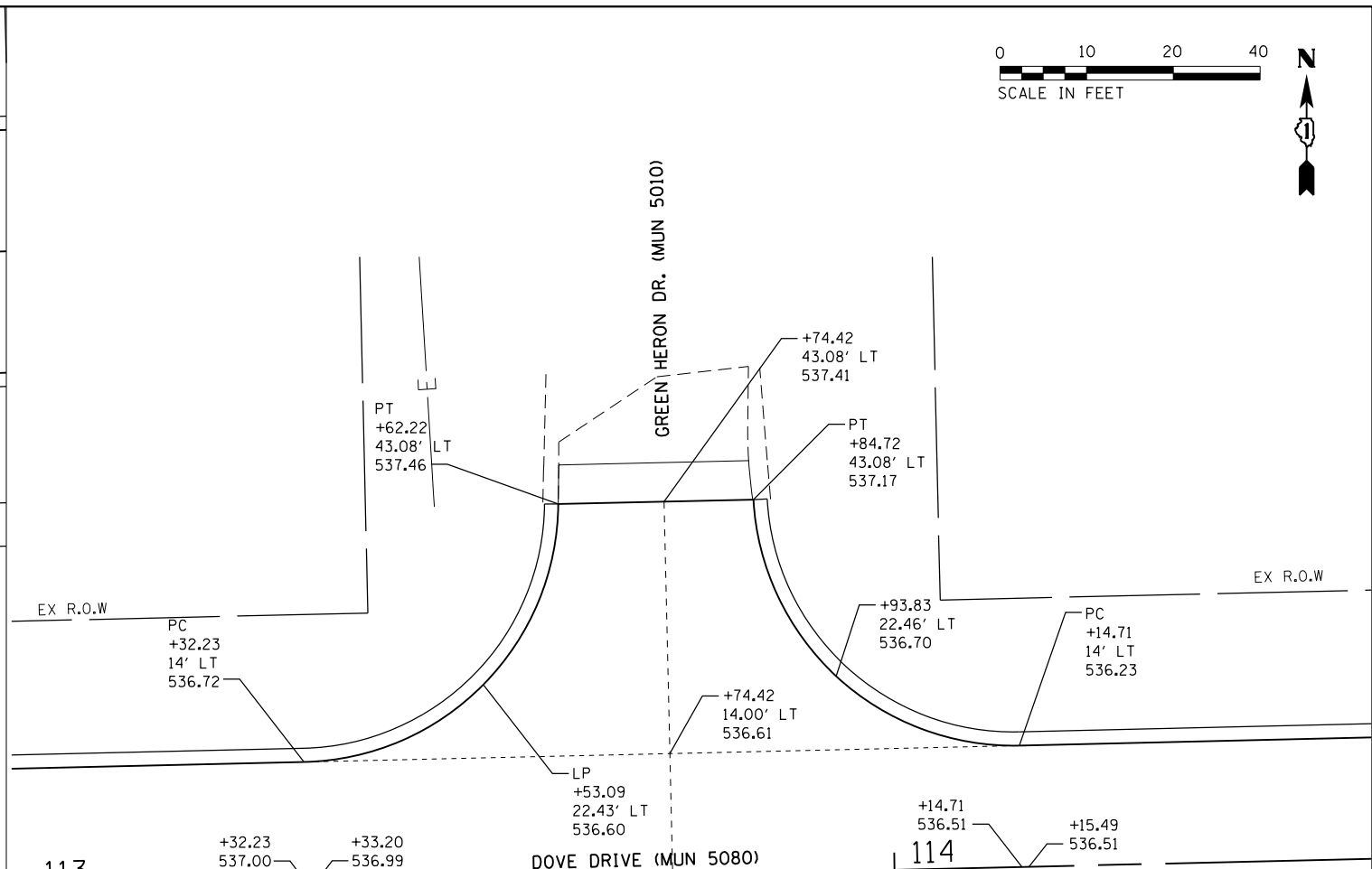
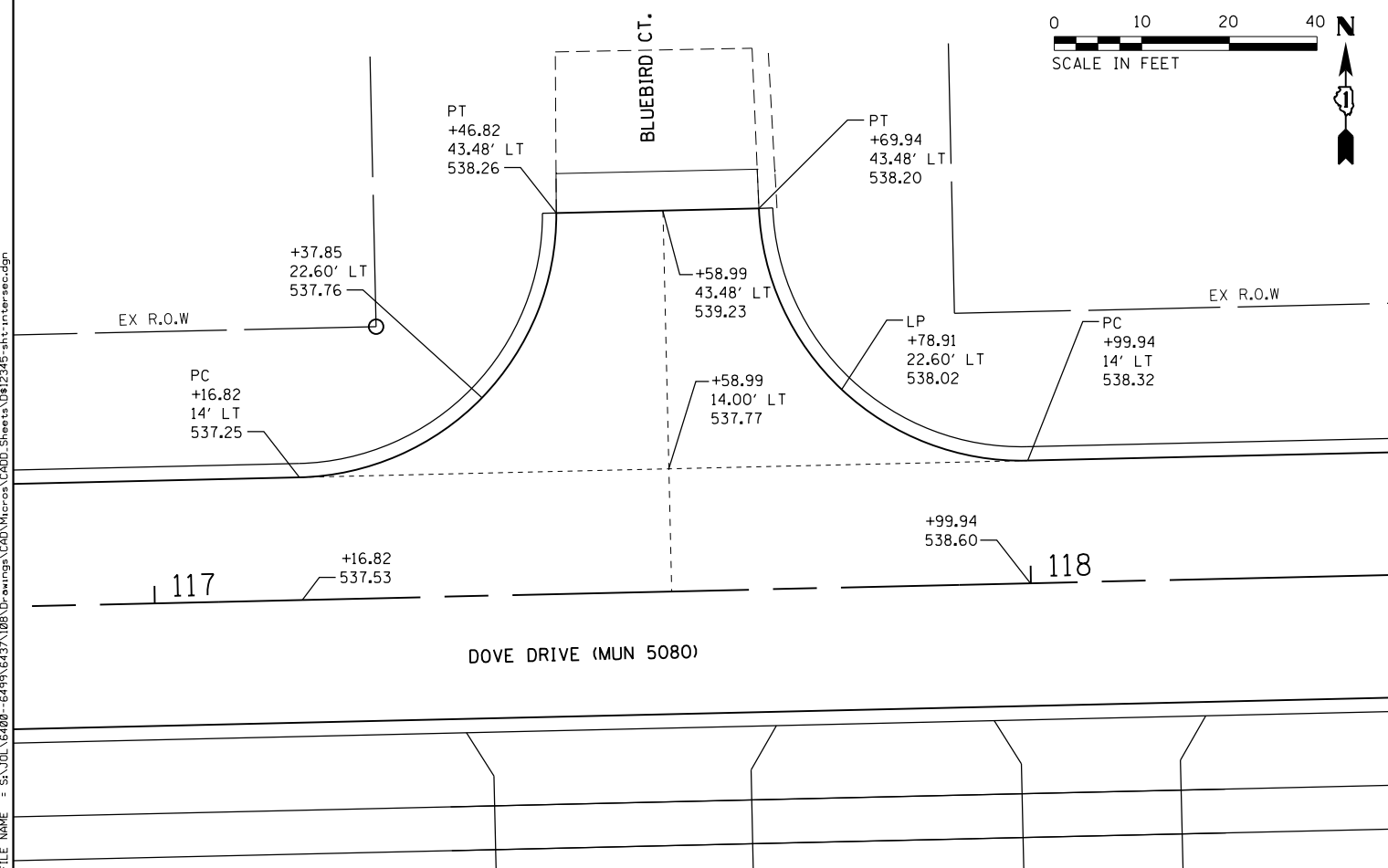
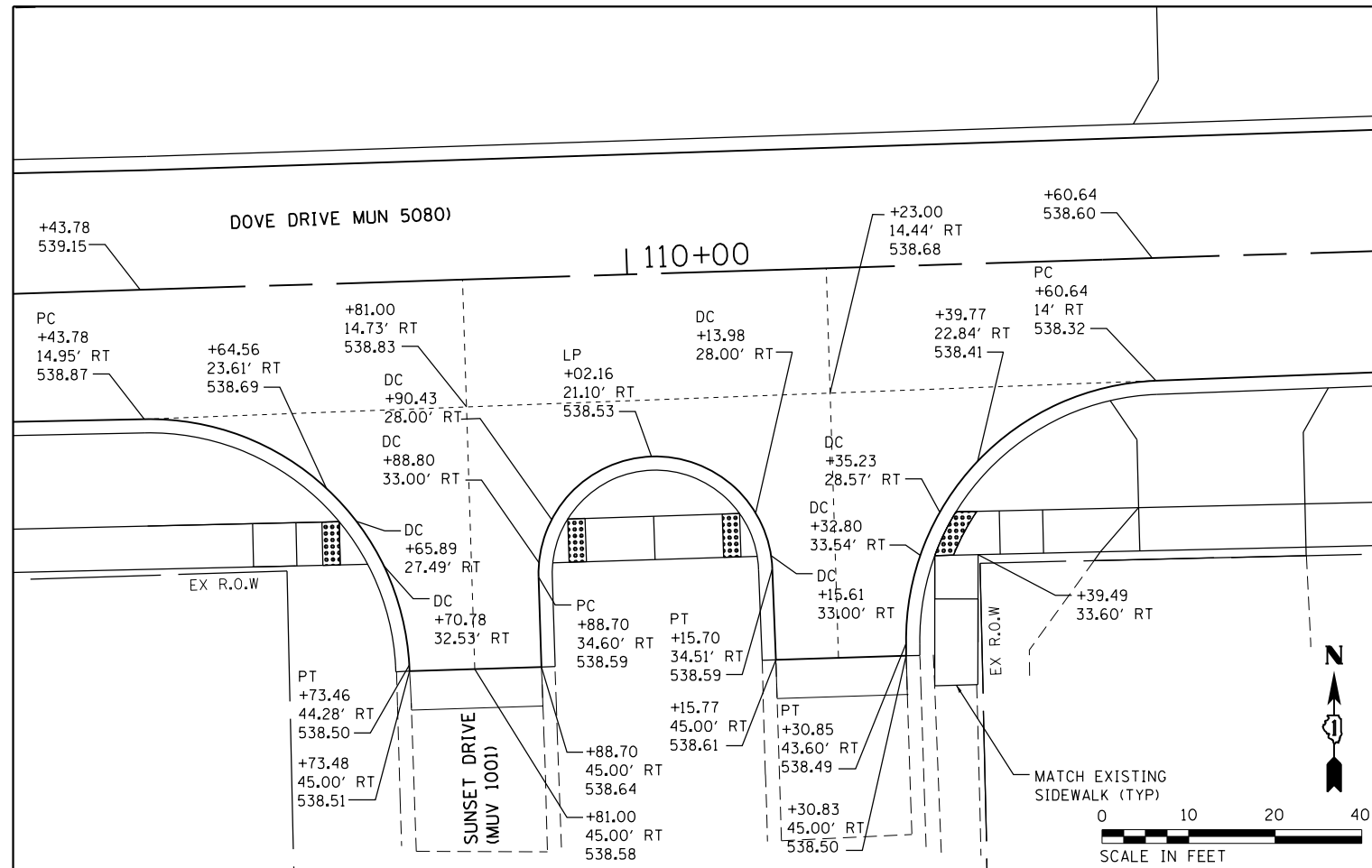


ELEVATION VIEW
VALVE VAULT DETAIL

GENERAL NOTES

1. VALVE VAULT DIAMETER SHALL BE 48" FOR 8" AND SMALLER VALVES AND 60" FOR 10" AND LARGER VALVES AND FOR PRESSURE CONNECTIONS.
2. BITUMINOUS MASTIC MATERIAL SHALL BE PLACED BETWEEN ALL MANHOLE SECTIONS AND ADJUSTING RINGS.
3. ACCESS OPENING AND STEPS SHALL BE POSITIONED SO AS NOT TO INTERFERE WITH VALVE OPERATION FROM ABOVE.
4. A MAXIMUM OF TWO PRECAST CONCRETE ADJUSTING RINGS TOTALING NO MORE THAN 6-INCHES SHALL BE USED. ADJUSTMENT OF LESS THAN 2-INCHES SHALL BE ACCOMPLISHED WITH RUBBER ADJUSTING RING.

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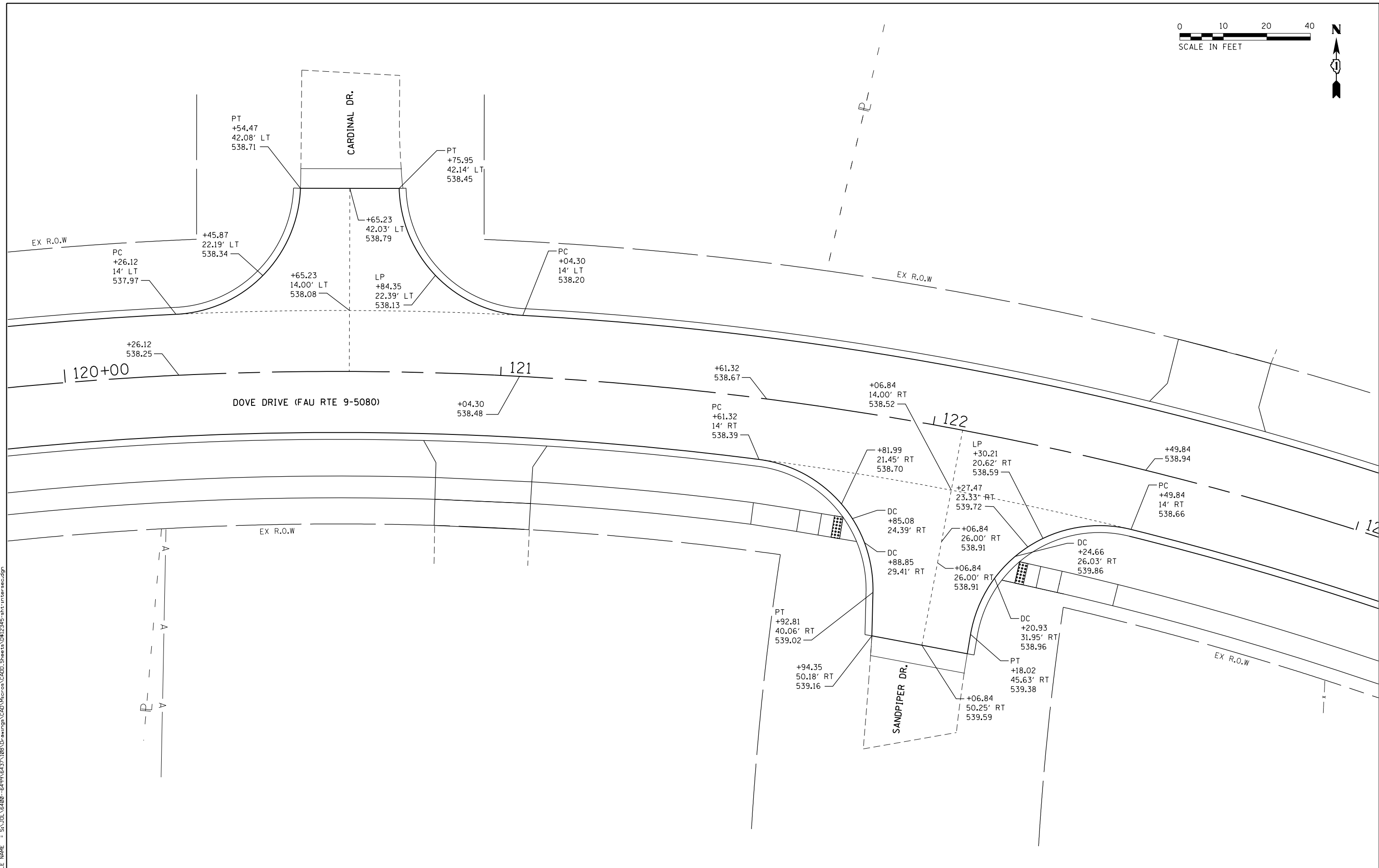
1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = JakeSc MODEL NAME = Default PLOT SCALE = 20.0000' / in. PLOT DATE = 8/29/2018	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INTERSECTION DETAIL SHEET

SCALE: 1" = 10' SHEET 1 OF 2 SHEETS STA. N/A TO STA. N/A

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	39
CONTRACT NO. 61F19				
ILLINOIS FED. AID PROJECT				



FILE NAME = SA\JUL16400-6491\6437\108\Drawings\CAD\Micros\CADD_Sheets\DR12345-Int:intersec.dgn



USER NAME = JakeSc	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/29/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

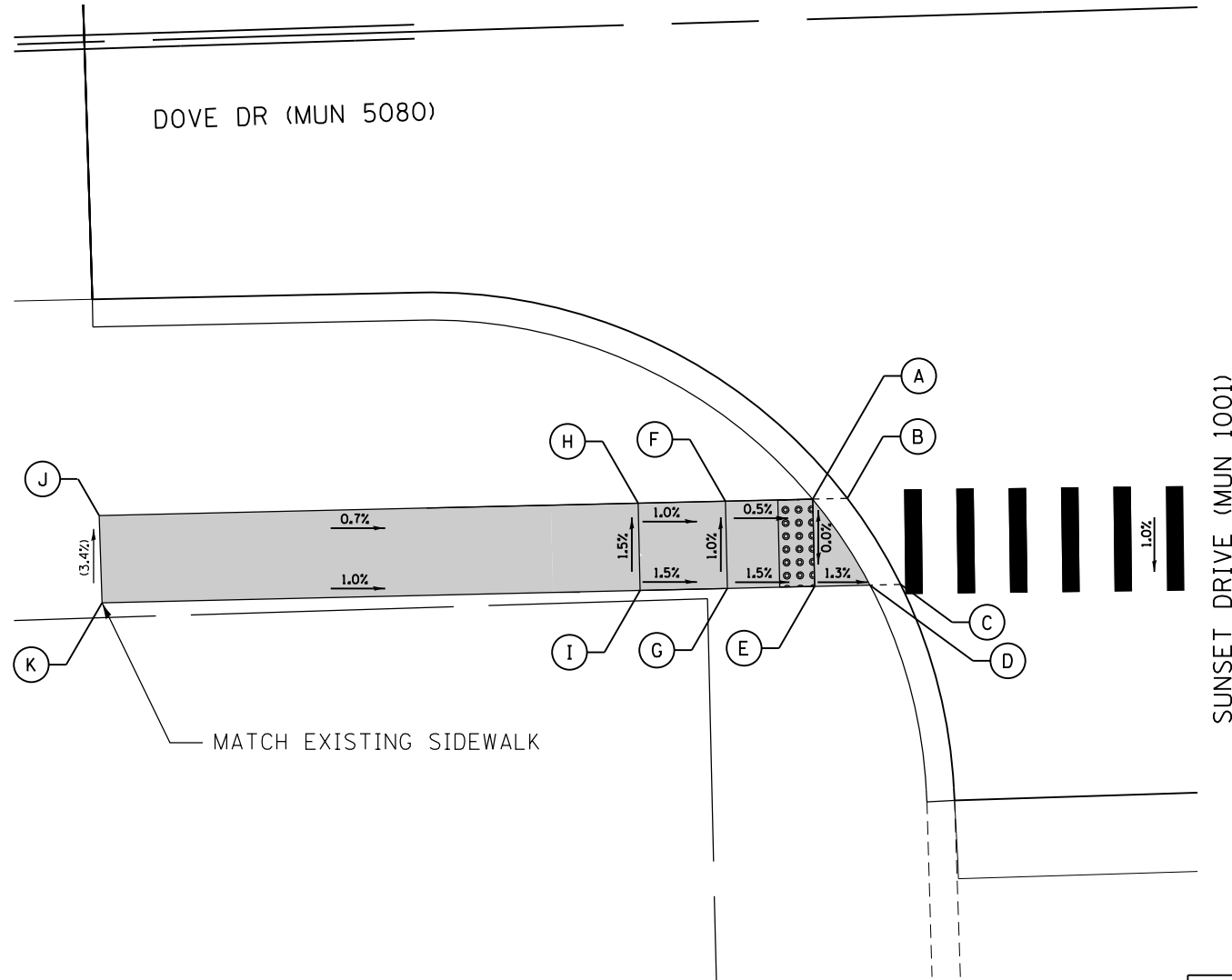
INTERSECTION DETAIL SHEET

SCALE: 1" = 10' SHEET 2 OF 2 SHEETS STA. N/A TO STA. N/A

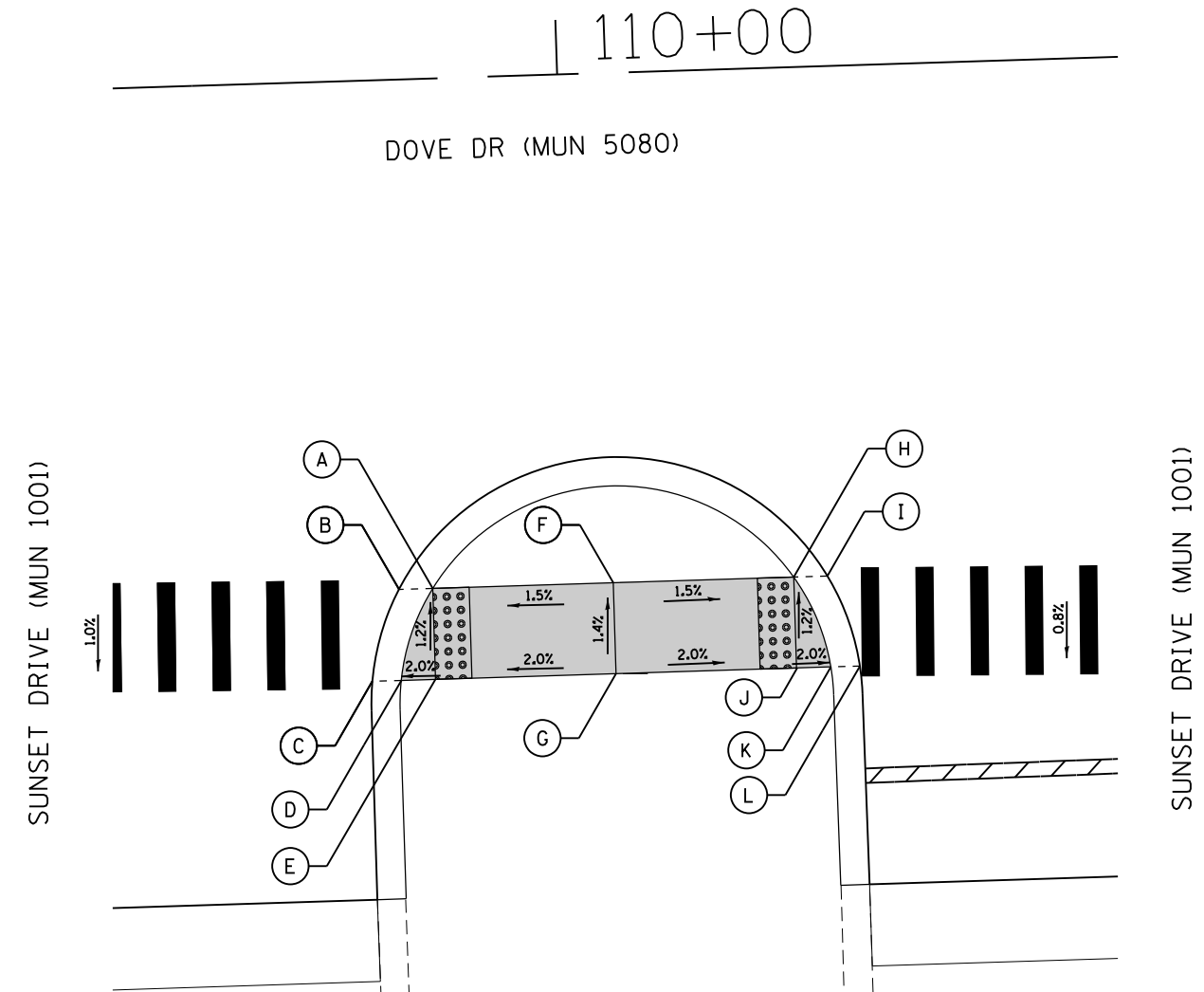
MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	40
CONTRACT NO. 61F19				

ILLINOIS FED. AID PROJECT

	STATION	OFFSET	ELEVATION
A	109+65.89	27.49	538.63
B	109+67.88	27.57	538.64
C	109+70.78	32.53	538.60
D	109+65.85	32.49	538.59
E	109+69.02	32.52	538.63
F	109+60.89	27.45	538.66
G	109+60.85	32.45	538.71
H	109+55.89	27.41	538.71
I	109+55.85	32.41	538.79
J	109+25.00	27.15	(539.92)
K	109+25.00	32.15	(540.09)



	STATION	OFFSET	ELEVATION
A	109+92.28	28.00	538.56
B	109+90.43	28.00	538.57
C	109+88.80	33.00	538.59
D	109+90.39	33.00	538.58
E	109+92.28	33.00	538.62
F	110+02.20	28.00	538.72
G	110+02.20	33.00	538.79
H	110+12.12	28.00	538.56
I	110+13.98	28.00	538.57
J	110+14.01	33.00	538.62
K	110+12.12	33.00	538.58
L	110+15.61	33.00	538.59

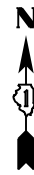


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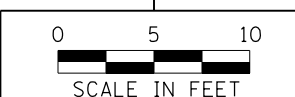
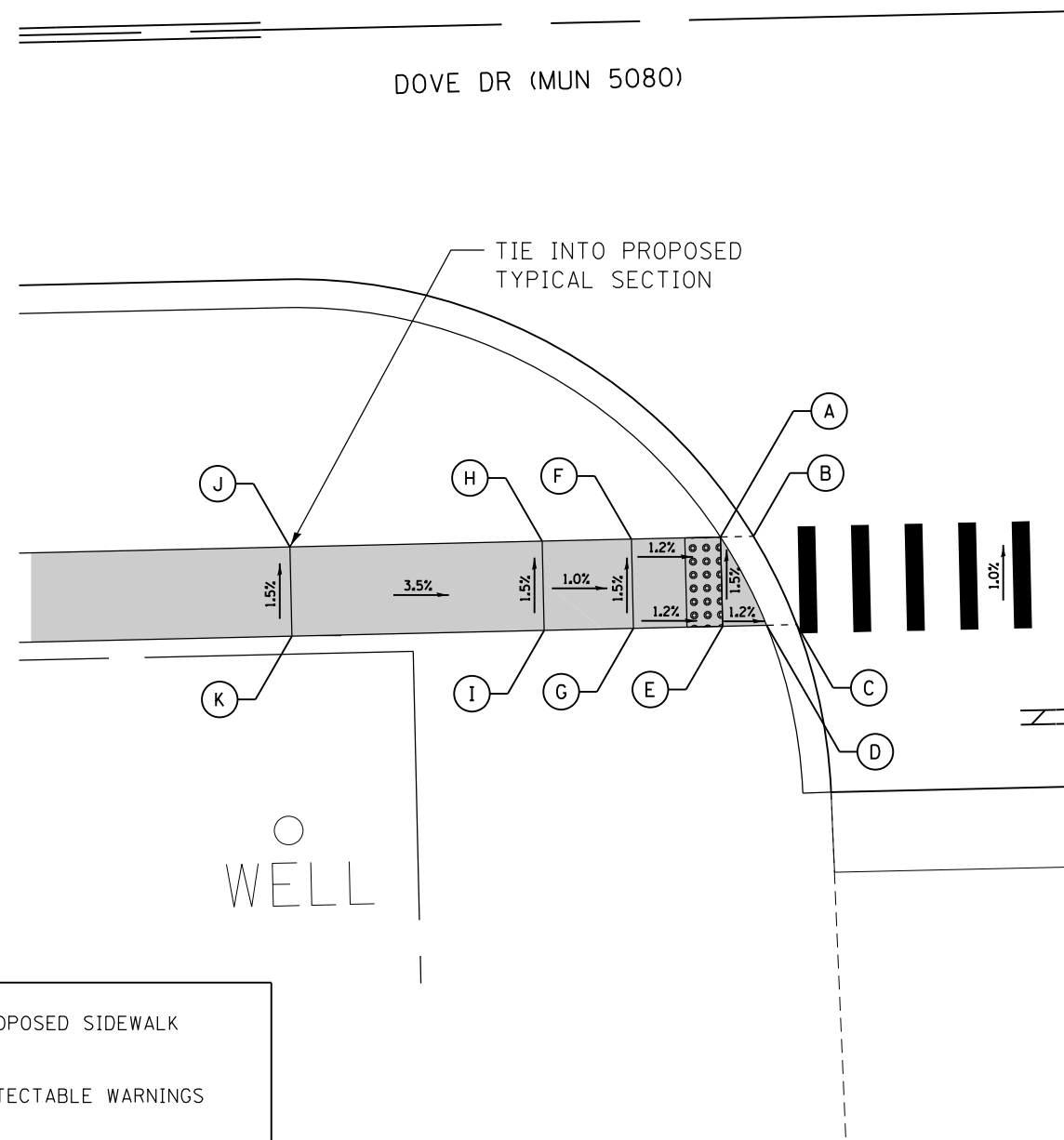
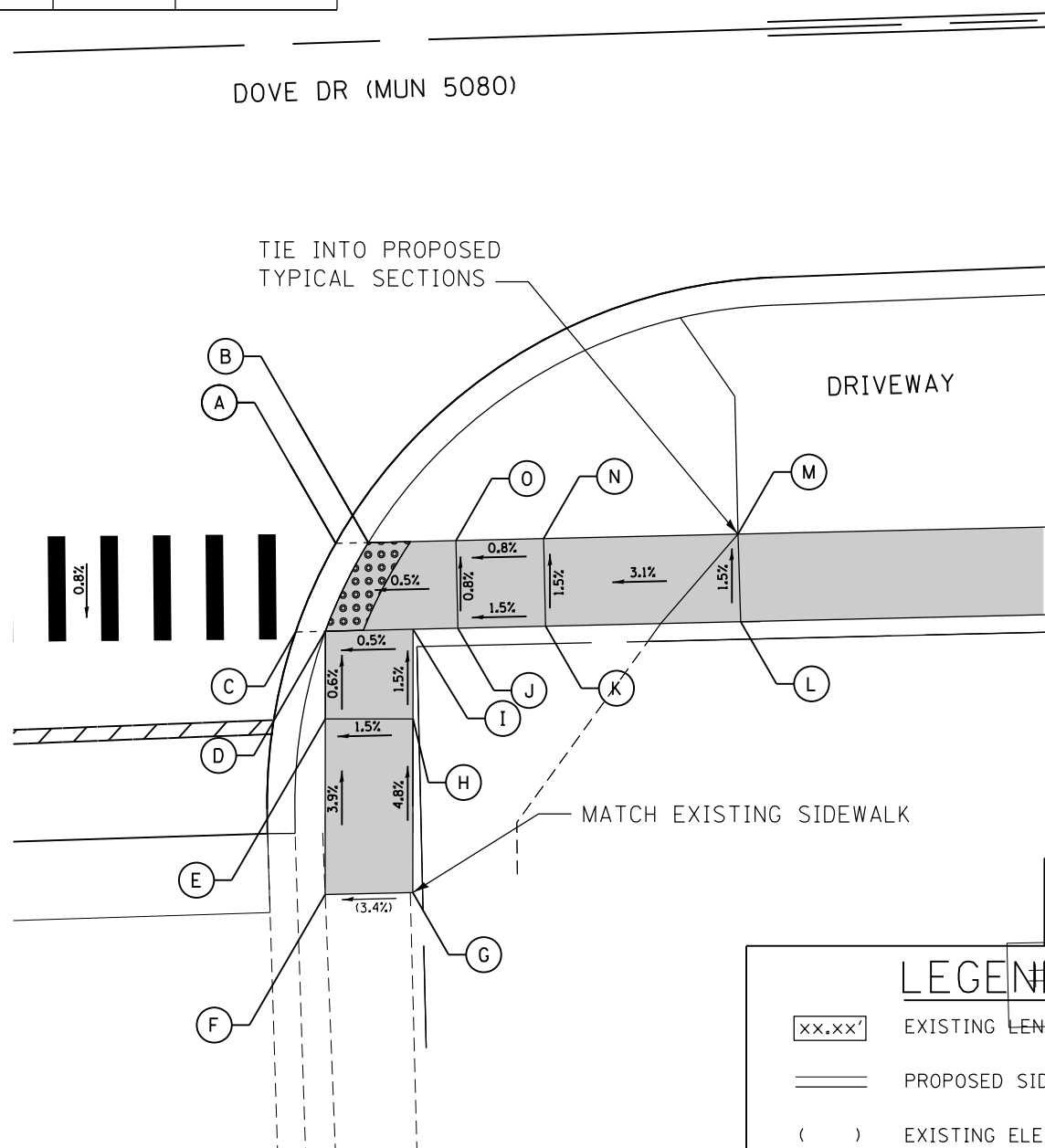
xx.xx'	EXISTING LENGTH		PROPOSED SIDEWALK
	PROPOSED SIDE CURB		DETECTABLE WARNINGS
()	EXISTING ELEVATION/SLOPE		SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

FILE NAME = SA\JUL164800-64916437\108\CP-arings\CAD\Micros\CADD_Sheets\DR12345-sh1-0Detail.dgn

	STATION	OFFSET	ELEVATION
A	110+35.23	28.56	538.44
B	110+37.10	28.58	538.43
C	110+32.80	33.54	538.47
D	110+34.49	33.56	538.46
E	110+34.33	38.56	538.49
F	110+34.01	48.57	(538.86)
G	110+39.01	48.62	(539.03)
H	110+39.33	38.72	538.57
I	110+39.49	33.60	538.49
J	110+42.05	33.62	538.50
K	110+47.05	33.66	538.58
L	110+58.18	33.76	538.92
M	110+58.18	28.76	538.84
N	110+47.10	28.66	538.50
O	110+42.10	28.62	538.46



	STATION	OFFSET	ELEVATION
A	113+57.33	29.00	536.94
B	113+59.18	29.00	536.95
C	113+61.48	34.00	537.00
D	113+59.80	34.00	536.99
E	113+57.33	34.00	537.02
F	113+52.33	29.00	537.00
G	113+52.33	34.00	537.08
H	113+47.33	29.00	537.05
I	113+47.33	34.00	537.13
J	113+33.20	29.00	537.55
K	113+33.20	34.00	537.63



LEGEND

xx.xx'	EXISTING LENGTH		PROPOSED SIDEWALK
==	PROPOSED SIDE CURB		DETECTABLE WARNINGS
()	EXISTING ELEVATION/SLOPE		SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

FILE NAME = SA\JUL16480-6491\6437\108\CP-arings\CAD\Micros\CADD_Sheets\DR12345-sh1-0Detail.dgn



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PLOT DATE = 8/29/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

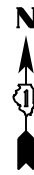
**SIDEWALK DETAIL PLAN
DOVE DRIVE - STA 109 + 25.00 TO STA 127 + 37.00**

SCALE: 1"=5' SHEET 1 OF 4 SHEETS STA. TO STA.

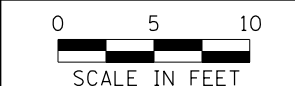
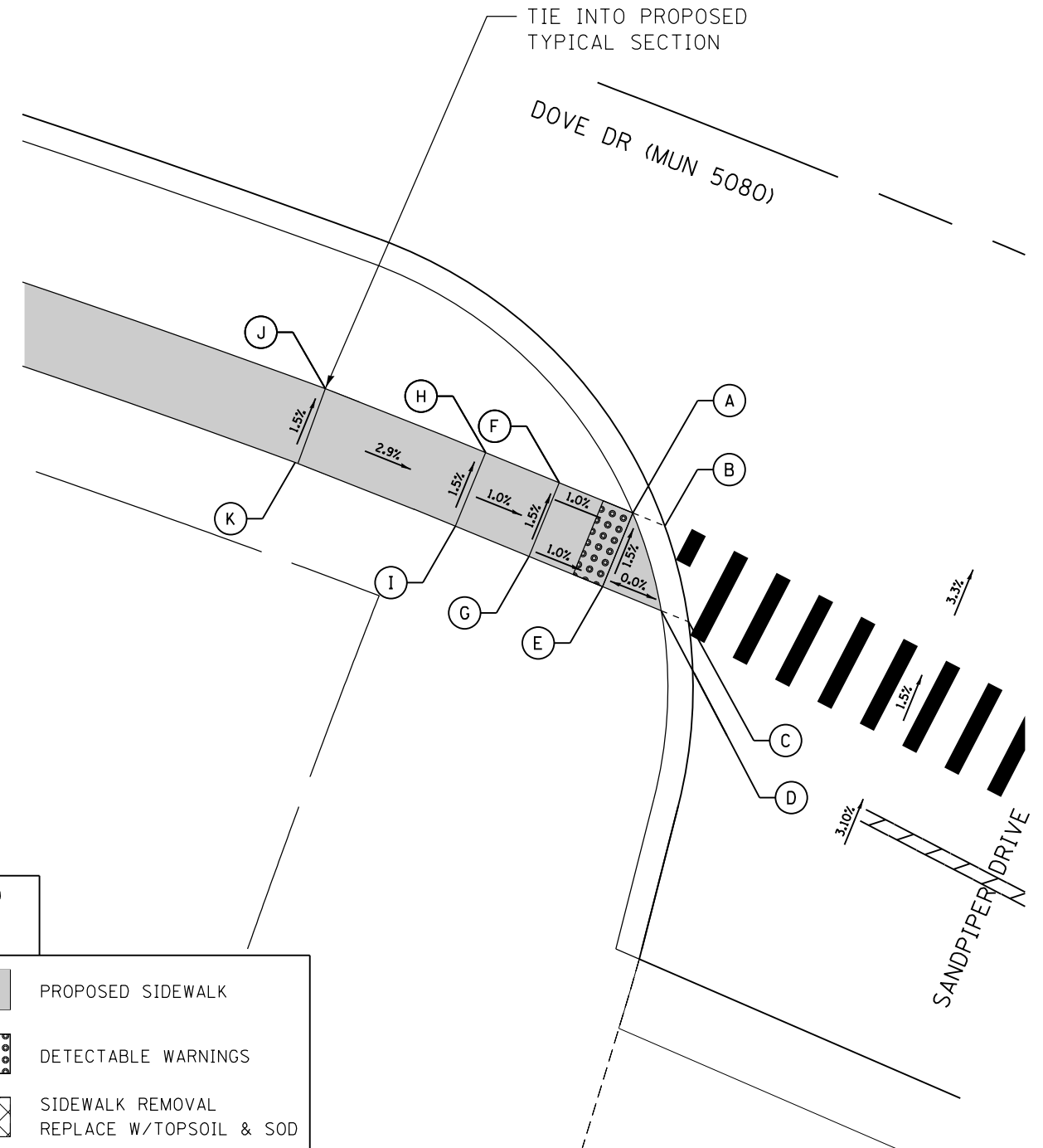
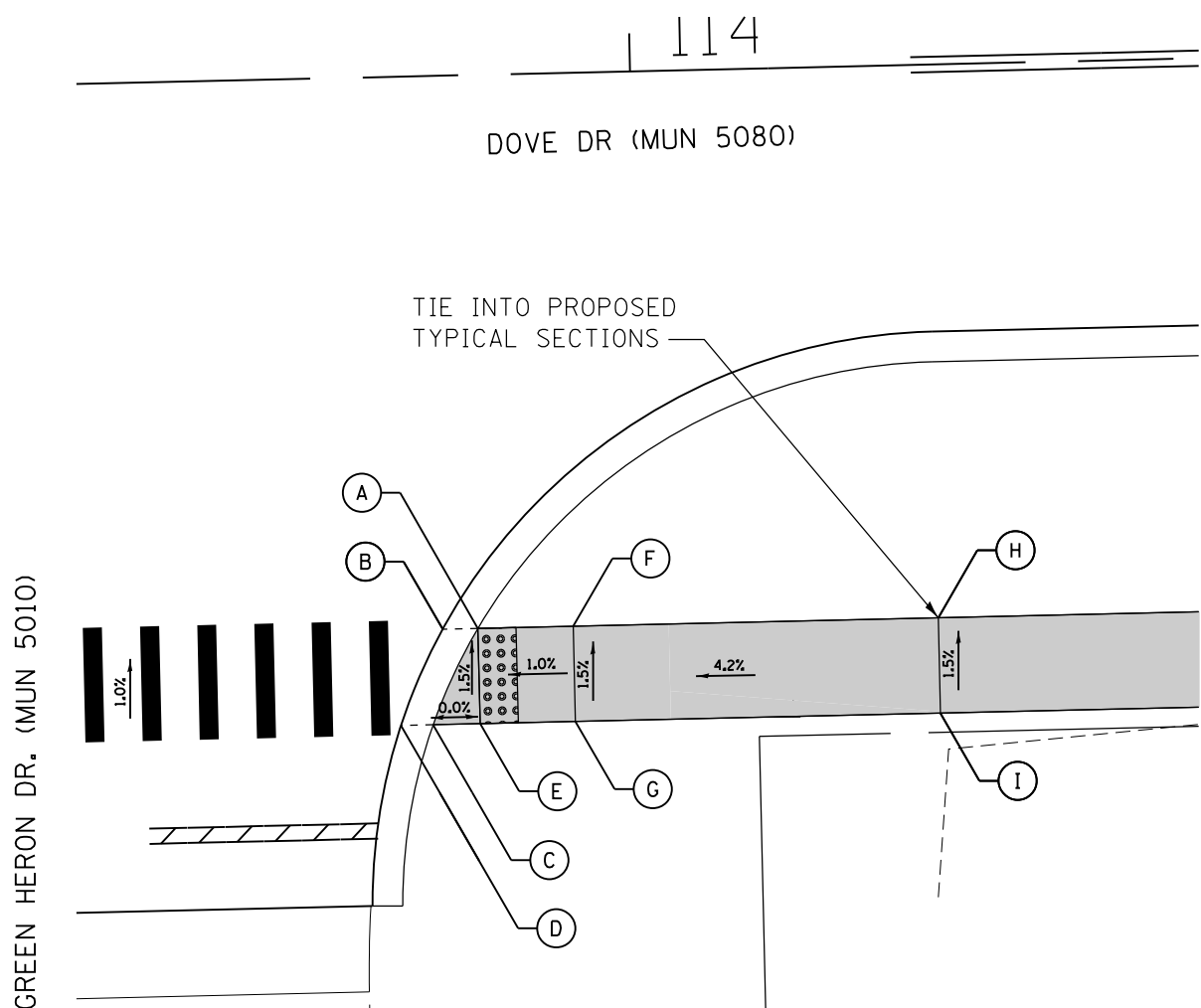
MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	42
CONTRACT NO. 61F19				

ILLINOIS FED. AID PROJECT

	STATION	OFFSET	ELEVATION
A	113+91.36	29.00	536.70
B	113+89.51	29.00	536.71
C	113+88.89	34.00	536.78
D	113+87.21	34.00	536.79
E	113+91.36	34.00	536.78
F	113+96.36	29.00	536.75
G	113+96.36	34.00	536.83
H	114+15.49	29.00	537.54
I	114+15.49	34.00	537.62



	STATION	OFFSET	ELEVATION
A	121+82.83	24.38	538.76
B	121+85.08	24.39	538.77
C	121+88.85	29.41	538.85
D	121+86.92	29.40	538.84
E	121+82.78	29.38	538.84
F	121+77.67	24.32	538.81
G	121+77.59	29.31	538.89
H	121+72.51	24.22	538.86
I	121+72.51	29.22	538.94
J	121+61.32	24.00	539.17
K	121+61.32	29.00	539.25



LEGEND	
xx.xx'	EXISTING LENGTH
==	PROPOSED SIDE CURB
()	EXISTING ELEVATION/SLOPE
[Solid Grey]	PROPOSED SIDEWALK
[Dotted Pattern]	DETECTABLE WARNINGS
[Cross-hatch Pattern]	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

FILE NAME = SA\JUL164800-64916437\108\CP-arings\CAD\Micros\CADD_Sheets\0412345-sh1-0Detail.dgn



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MODEL NAME = Default	DRAWN - NLW	REVISED -
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PLOT DATE = 8/29/2018	DATE -	REVISED -

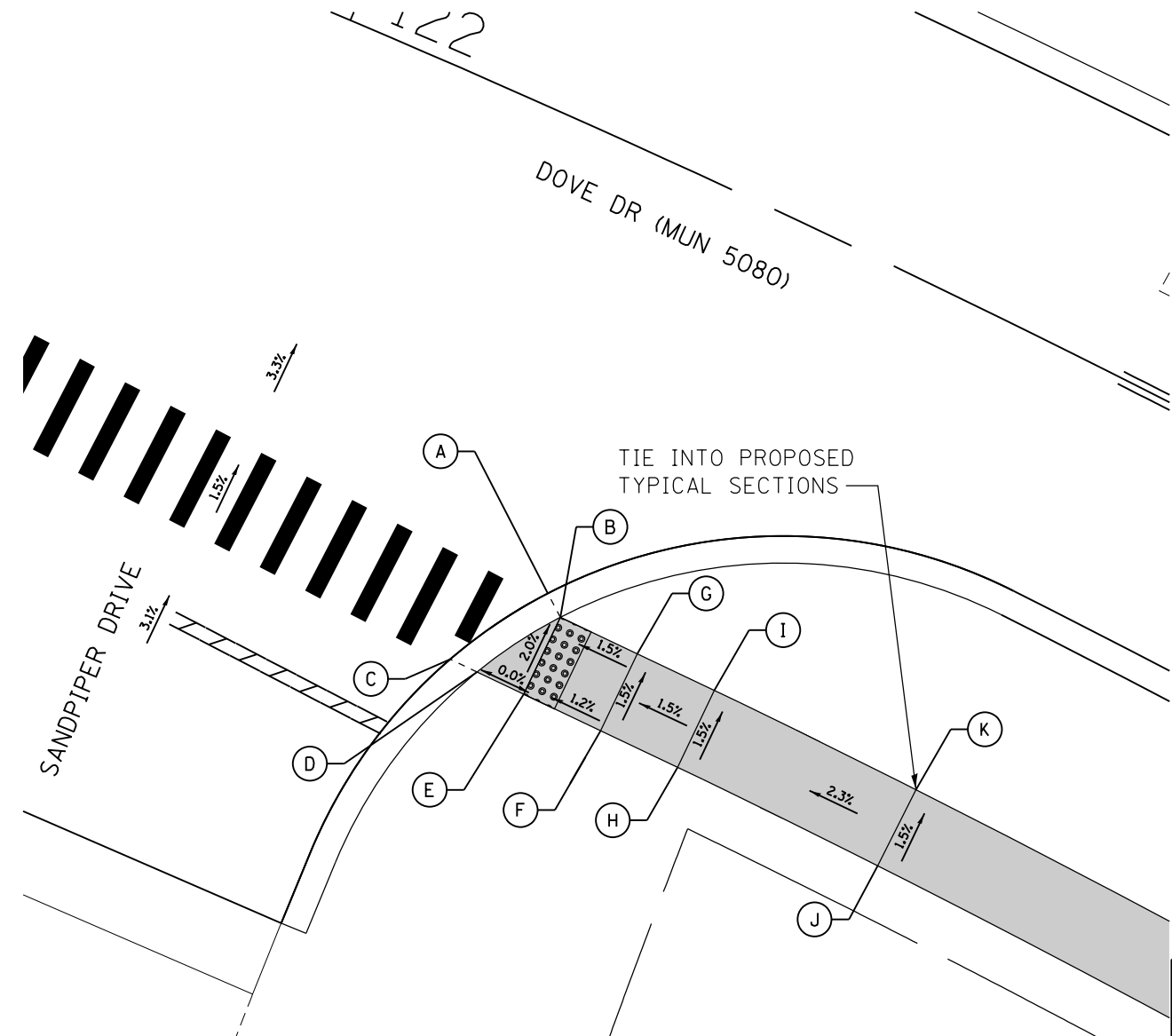
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN	
DOVE DRIVE - STA 109+25.00 TO STA 127+37.00	
SCALE: 1"=5'	SHEET 1 OF 4 SHEETS STA. TO STA.

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	43
CONTRACT NO. 61F19				

ILLINOIS FED. AID PROJECT

	STATION	OFFSET	ELEVATION
A	122+24.66	26.03	538.86
B	122+25.96	27.00	538.85
C	122+20.93	31.95	538.96
D	122+22.75	31.97	538.95
E	122+25.92	32.00	538.95
F	122+31.14	32.02	539.01
G	122+31.14	27.02	538.93
H	122+36.35	32.01	539.09
I	122+36.33	27.01	539.01
J	122+50.00	32.00	539.40
K	122+50.00	27.00	539.32



LEGEND	
xx.xx'	EXISTING LENGTH
==	PROPOSED SIDE CURB
()	EXISTING ELEVATION/SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

FILE NAME = SA\JUL164800-64916437\108\CP-arings\CAD\Micros\CADD_Sheets\DR12345-nht-0Ddetail.dgn



USER NAME = JakeSc
 MODEL NAME = Default
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 8/29/2018

DESIGNED - NLW
 DRAWN - NLW
 CHECKED - MG
 DATE -

REVISED -
 REVISED -
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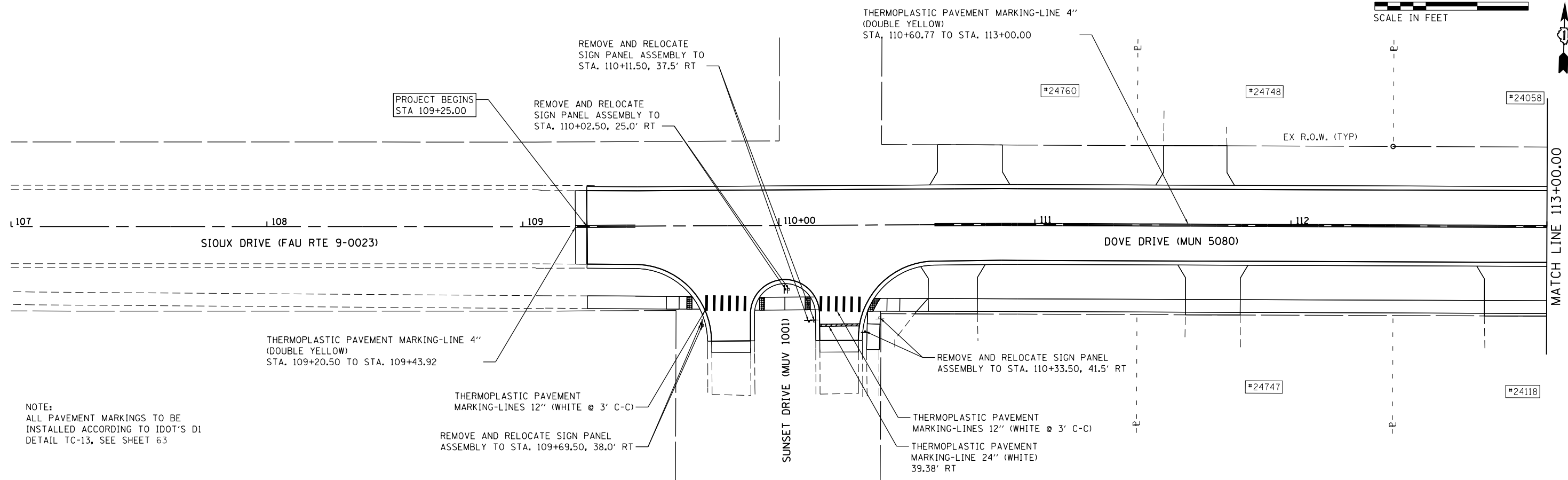
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
 DOVE DRIVE - STA 109+25.00 TO STA 127+37.00

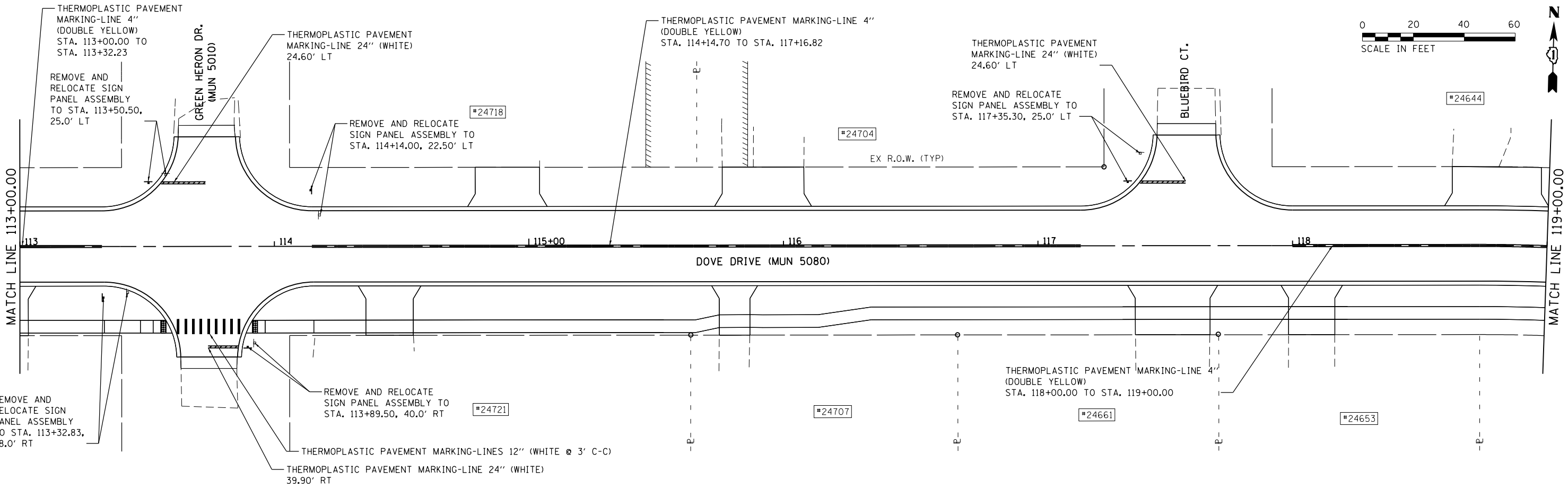
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MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	44
CONTRACT NO. 61F19				

ILLINOIS FED. AID PROJECT



NOTE:
ALL PAVEMENT MARKINGS TO BE
INSTALLED ACCORDING TO IDOT'S D1
DETAIL TC-13, SEE SHEET 63



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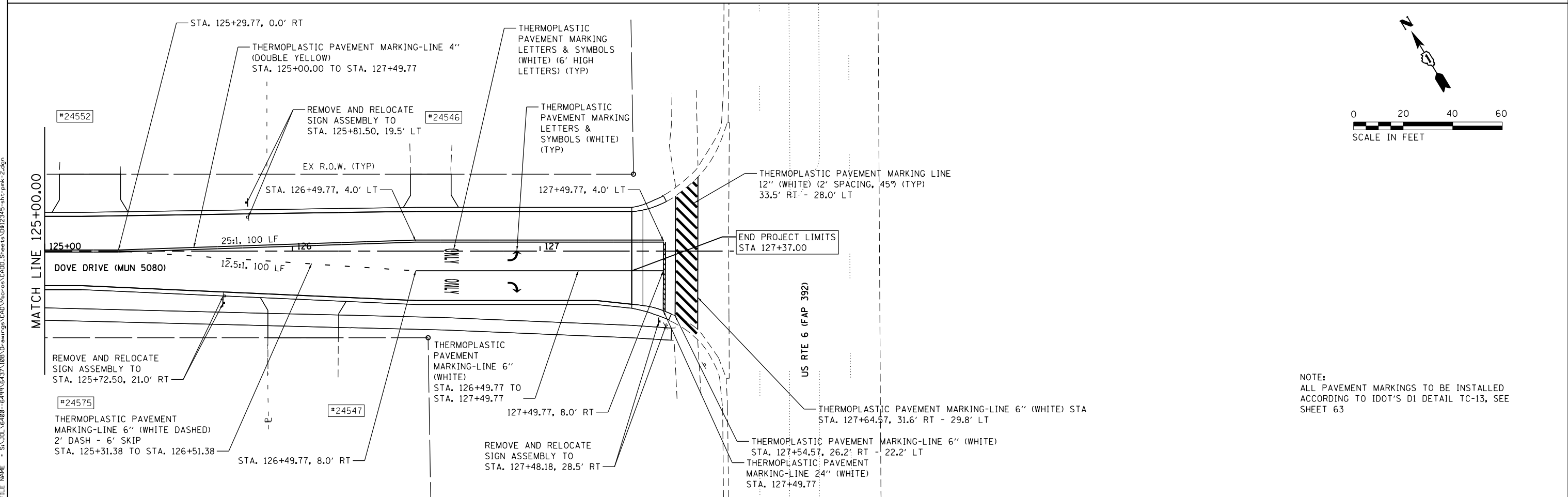
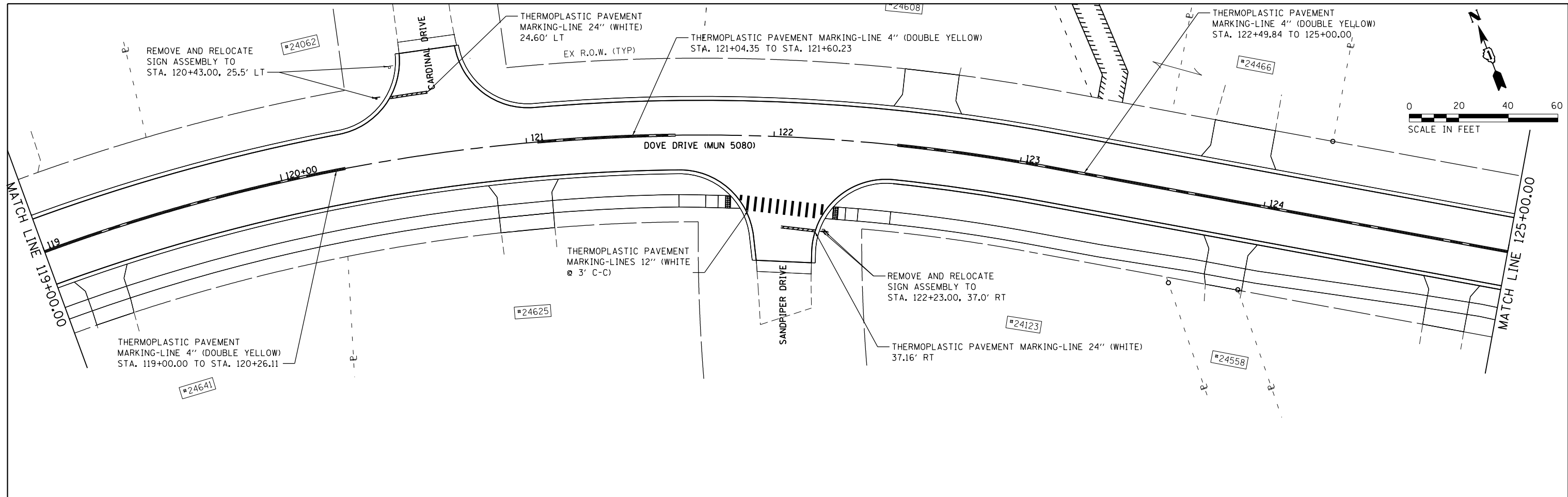
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PLOT DATE = 8/29/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. 109+25.00 TO STA. 119+00.00

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	45
CONTRACT NO. 61F19				
ILLINOIS FED. AID PROJECT				



NOTE:
ALL PAVEMENT MARKINGS TO BE INSTALLED
ACCORDING TO IDOT'S D1 DETAIL TC-13, SEE
SHEET 63



1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = JakeSc MODEL NAME = Default PLOT SCALE = 48.0000' / in. PLOT DATE = 8/29/2018	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. 119+00.00 TO STA. 127+37.00

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	46
CONTRACT NO. 61F19				

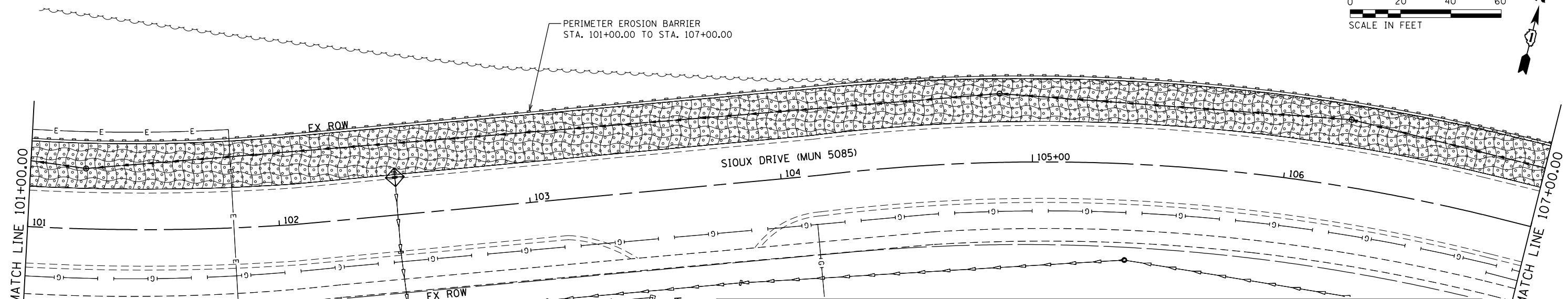
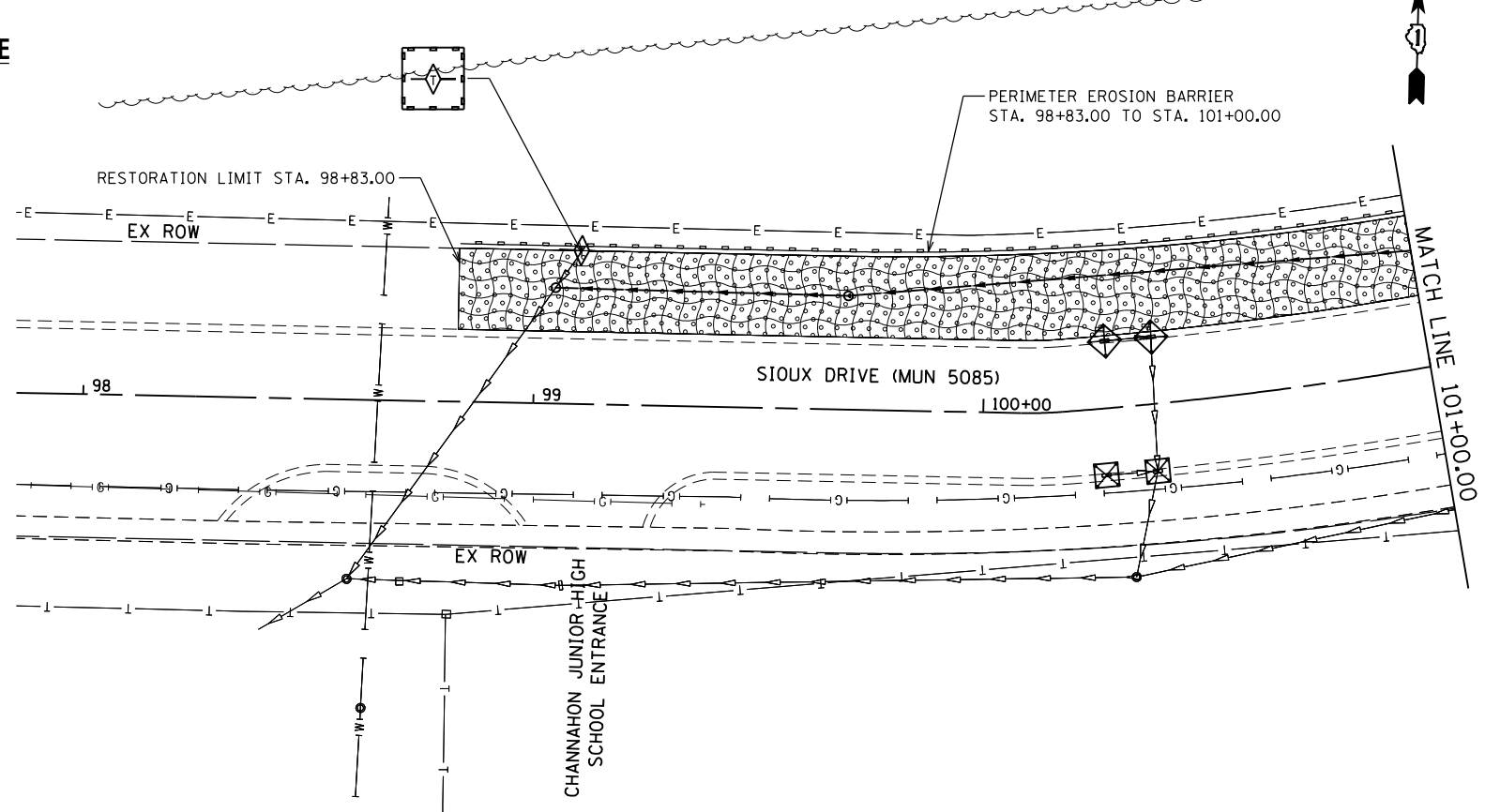
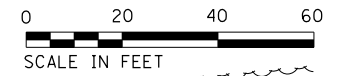
ILLINOIS FED. AID PROJECT

EROSION CONTROL GENERAL NOTES

- ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED WITH 4" TOPSOIL AND SODDING, SALT TOLERANT OR EROSION CONTROL BLANKET AND SEEDING, CLASS 1A, AS DESIGNATED ON THE PLAN.
- ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED.
- STRAW AND SILT FENCE BARRIERS SHALL NOT BE USED IN ACCORDANCE WITH THE "ILLINOIS URBAN MANUAL" FOR INLET AND PIPE PROTECTION.
- PROPOSED DRAINAGE STRUCTURES RECEIVING RUNOFF SHALL BE PROTECTED WITH INLET FILTERS OR TEMPORARY DITCH CHECKS IMMEDIATELY AFTER CONSTRUCTION.
- INLET FILTERS SHALL BE USED ONLY IN PAVED AREAS.
- EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODIBLE CONDITIONS.
- PERIMETER EROSION BARRIER IS SHOWN OUTSIDE THE ROW FOR CLARITY. PERIMETER EROSION BARRIER SHOULD BE CONSTRUCTED 6" INSIDE ROW IN THESE LOCATIONS.
- THE LOCATIONS OF PROPOSED TREES SHOWN ON THE PLAN ARE APPROXIMATE. FINAL TREE LOCATIONS SHOULD BE DETERMINED BY THE VILLAGE AND ENGINEER.
- SILT FENCE SHALL BE INSTALLED A MINIMUM OF 6 INCHES WITHIN THE EXISTING RIGHT OF WAY LINE.

EROSION & SEDIMENT CONTROL MAINTENANCE

- TEMPORARY EROSION BARRIER: AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL PERIMETER EROSION BARRIER WEEKLY OR AFTER EACH ONE-HALF INCH OR GREATER RAINFALL EVENT. ANY REQUIRED REPAIRS SHALL BE MADE BY THE CONTRACTOR TO KEEP THE SILT FENCE FUNCTIONAL AS DESIGNED.



LEGEND

	INLET FILTER		TREE TRUNK PROTECTION/TREE ROOT PRUNING/TREE PRUNING
	PERIMETER EROSION BARRIER (PEB)		PROPOSED TREE
	EROSION CONTROL BLANKET		TREE OR SHRUB REMOVAL (SEE REMOVAL SHEETS)
	SEEDING, CLASS 1A		TEMPORARY DITCH CHECK
	SODDING, SALT TOLERANT		

ABBREVIATIONS OF COMMON NAMES

GB	(GINKGO)
HL	(HONEYLOCUST)
KC	(KENTUCKY COFFEE - SEEDLESS)
SO	(SWAMP WHITE OAK)
PE	(AMERICAN ELM)

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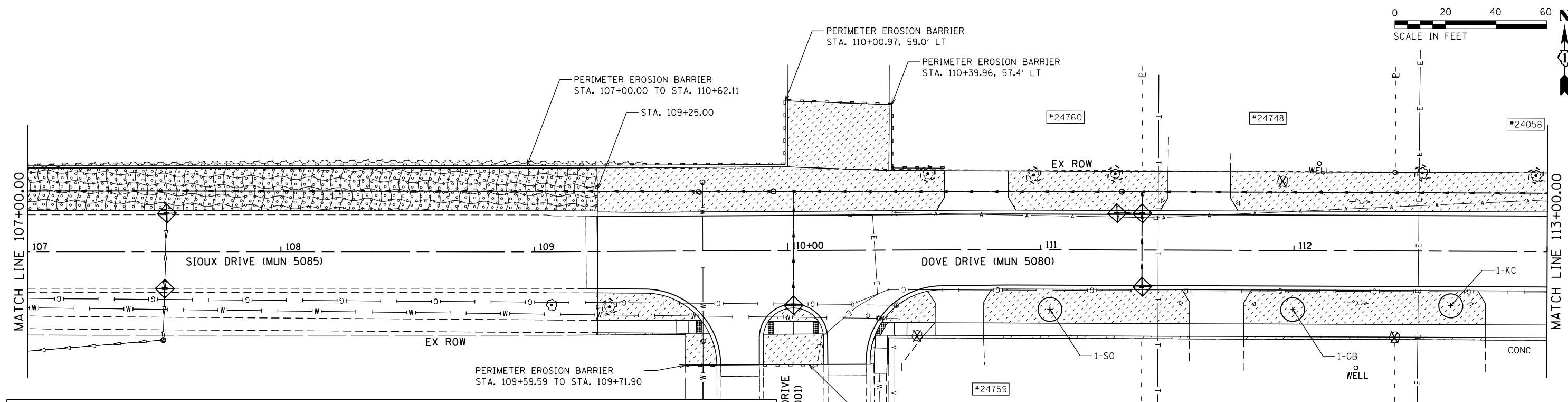
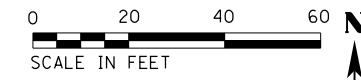


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

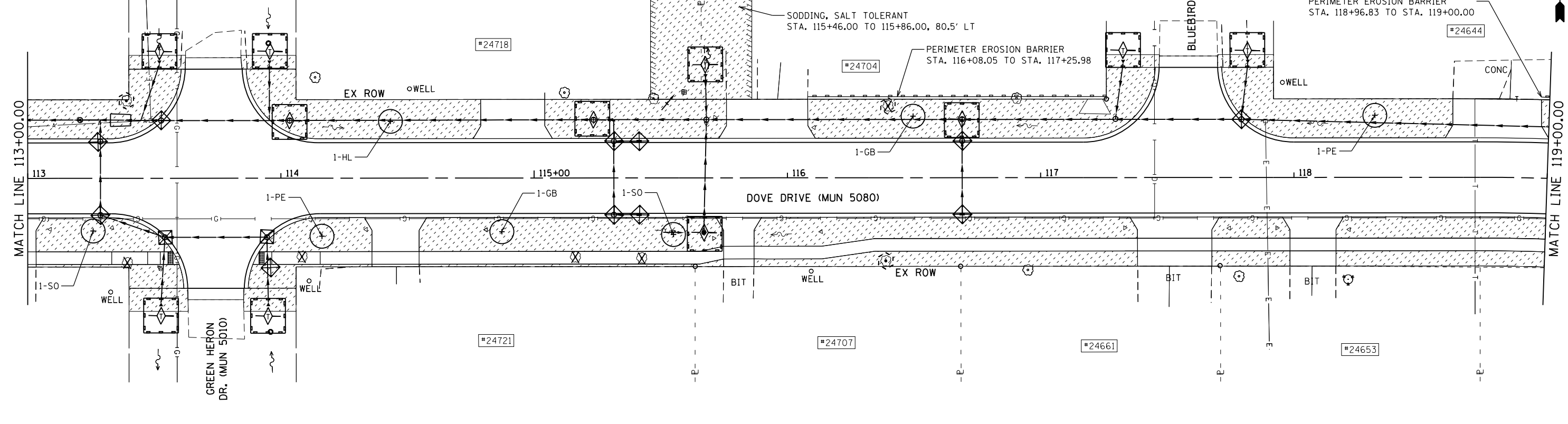
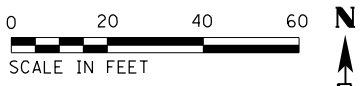
TEMPORARY EROSION CONTROL, PERMANENT EROSION CONTROL, AND LANDSCAPING PLAN
SCALE: 1" = 20' SHEET 1 OF 4 SHEETS STA. 98+00.00 TO STA. 107+00.00

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	47
			CONTRACT NO. 61F19	
ILLINOIS FED. AID PROJECT				



LEGEND

	INLET FILTER		TREE TRUNK PROTECTION/TREE ROOT PRUNING/TREE PRUNING	ABBREVIATIONS OF COMMON NAMES	
	PERIMETER EROSION BARRIER (PEB)		PROPOSED TREE	GB	(GINKGO)
	EROSION CONTROL BLANKET		TREE OR SHRUB REMOVAL (SEE REMOVAL SHEETS)	HL	(HONEYLOCUST)
	SEEDING, CLASS 1A		TEMPORARY DITCH CHECK	KC	(KENTUCKY COFFEE - SEEDLESS)
	SODDING, SALT TOLERANT			SO	(SWAMP WHITE OAK)
				PE	(AMERICAN ELM)



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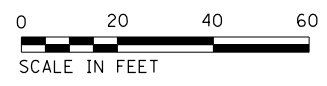
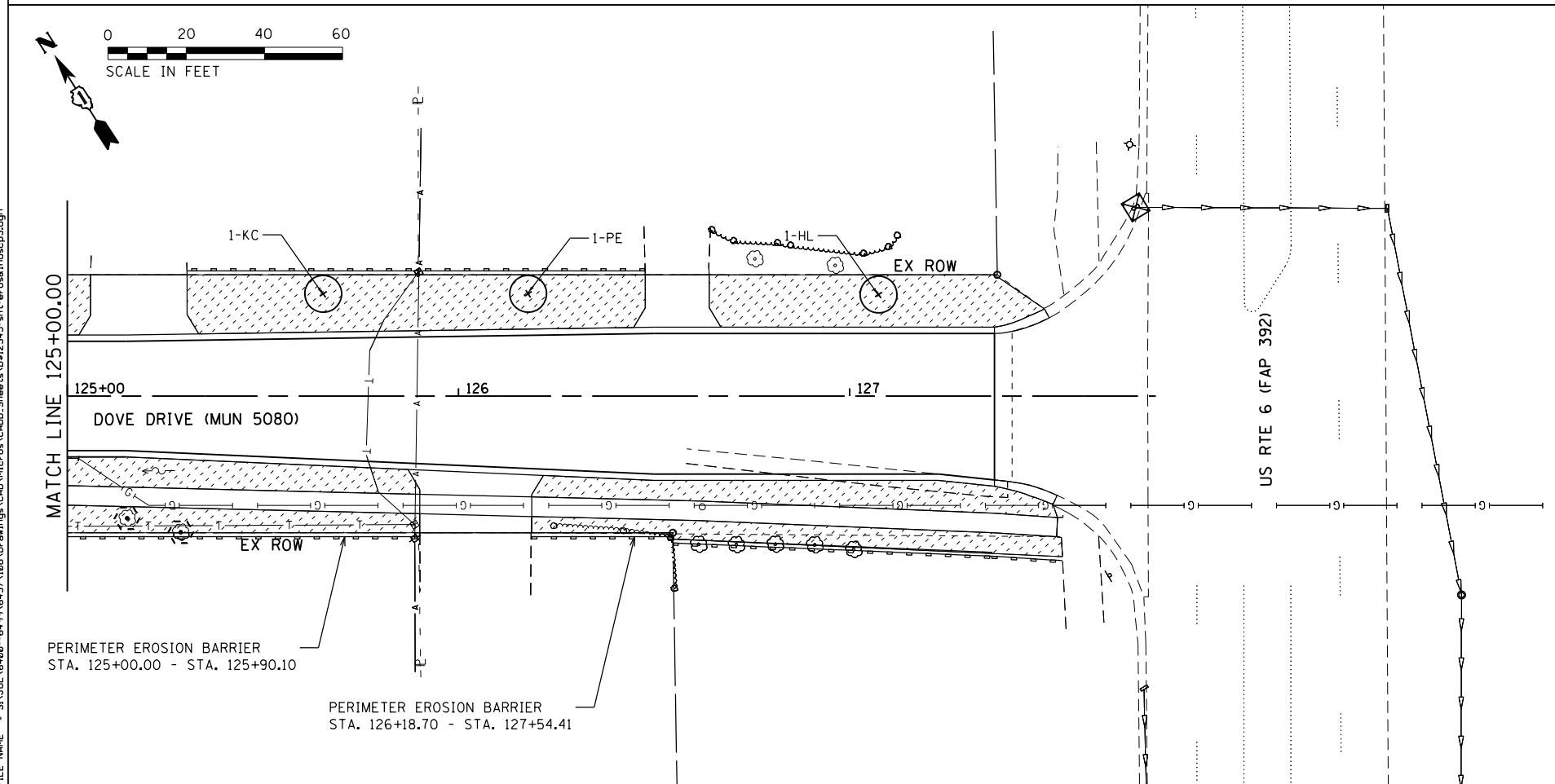
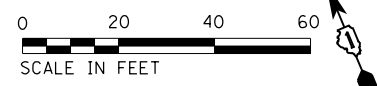
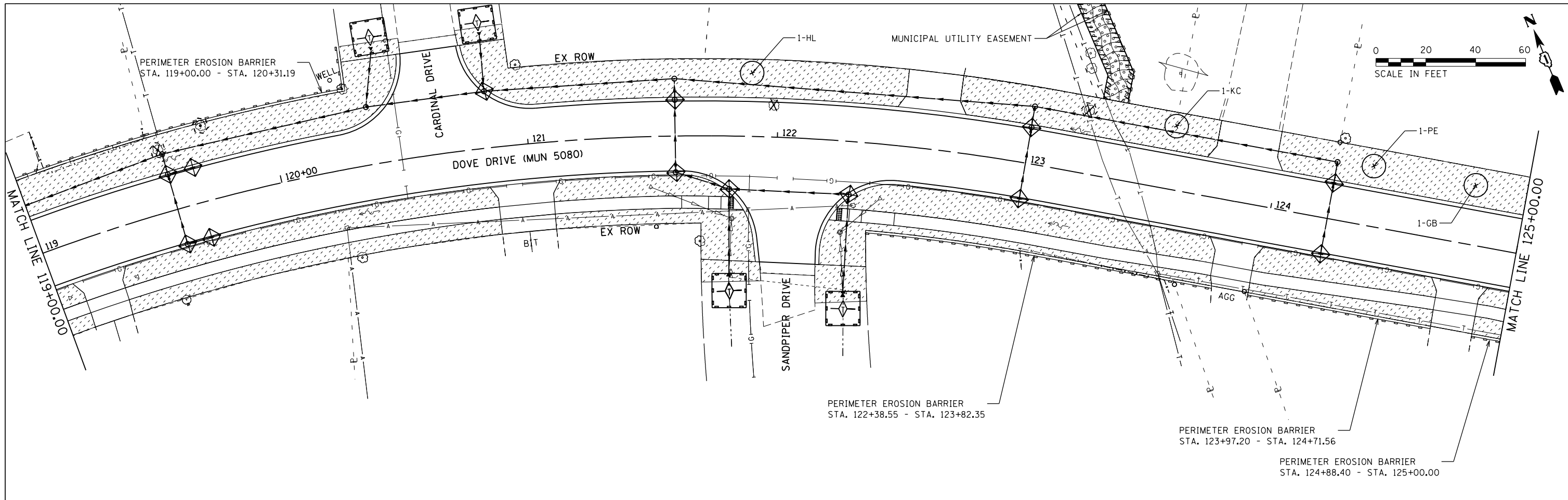
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DESIGNED -	REVISED -
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CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY EROSION CONTROL, PERMANENT EROSION CONTROL, AND
 LANDSCAPING PLAN**
 SCALE: 1" = 20' SHEET 2 OF 4 SHEETS STA. 107+00.00 TO STA. 119+00.00

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	48
			CONTRACT NO. 61F19	
ILLINOIS FED. AID PROJECT				



LEGEND

- INLET FILTER
- PERIMETER EROSION BARRIER (PEB)
- EROSION CONTROL BLANKET
- SEEDING, CLASS 1A
- SODDING, SALT TOLERANT
- TREE TRUNK PROTECTION/TREE ROOT PRUNING/TREE PRUNING
- PROPOSED TREE
- TREE OR SHRUB REMOVAL (SEE REMOVAL SHEETS)
- TEMPORARY DITCH CHECK

ABBREVIATIONS OF COMMON NAMES

- GB (GINKGO)
- HL (HONEYLOCUST)
- KC (KENTUCKY COFFEE - SEEDLESS)
- SO (SWAMP WHITE OAK)
- PE (AMERICAN ELM)

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SA STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

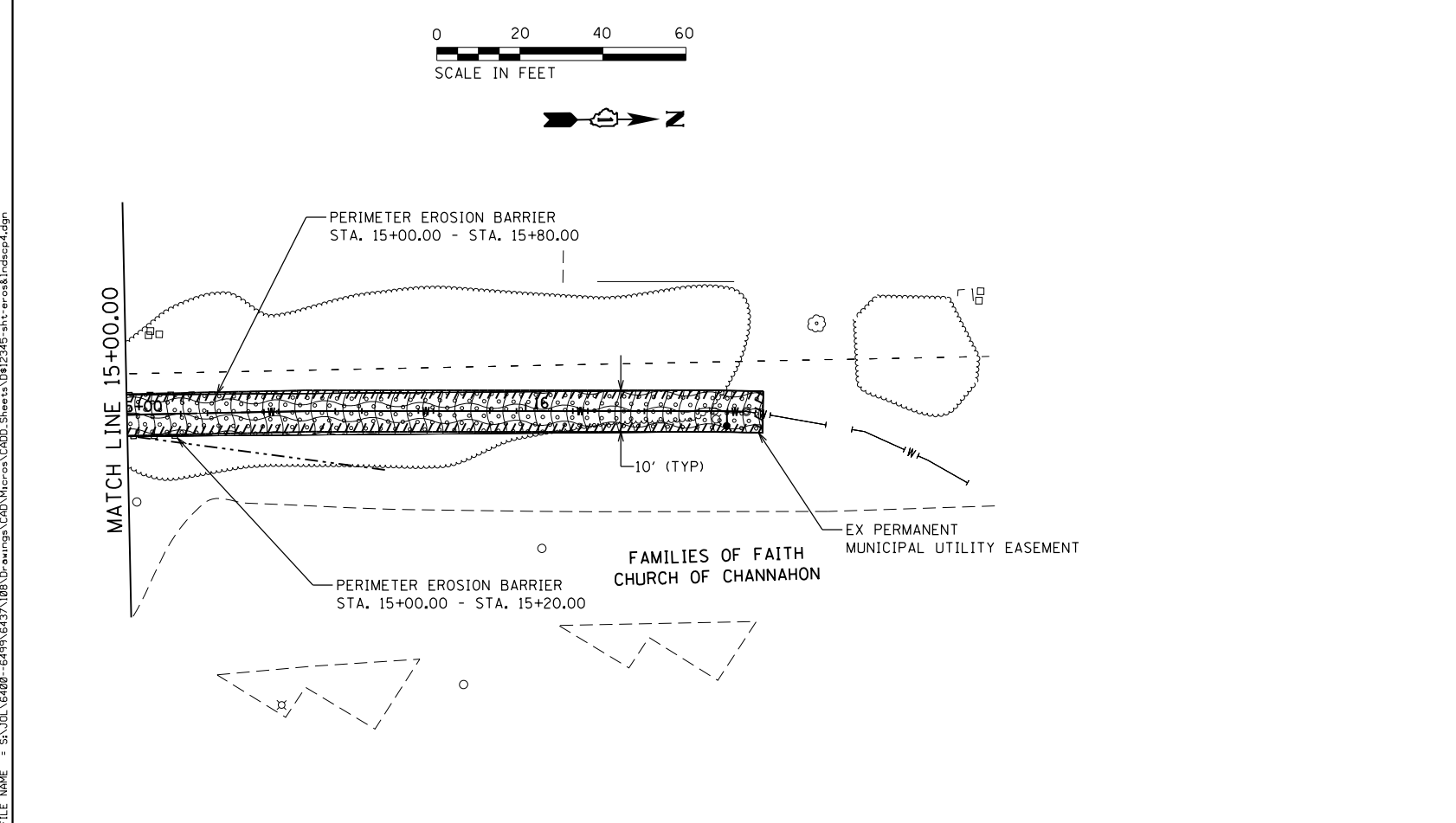
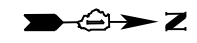
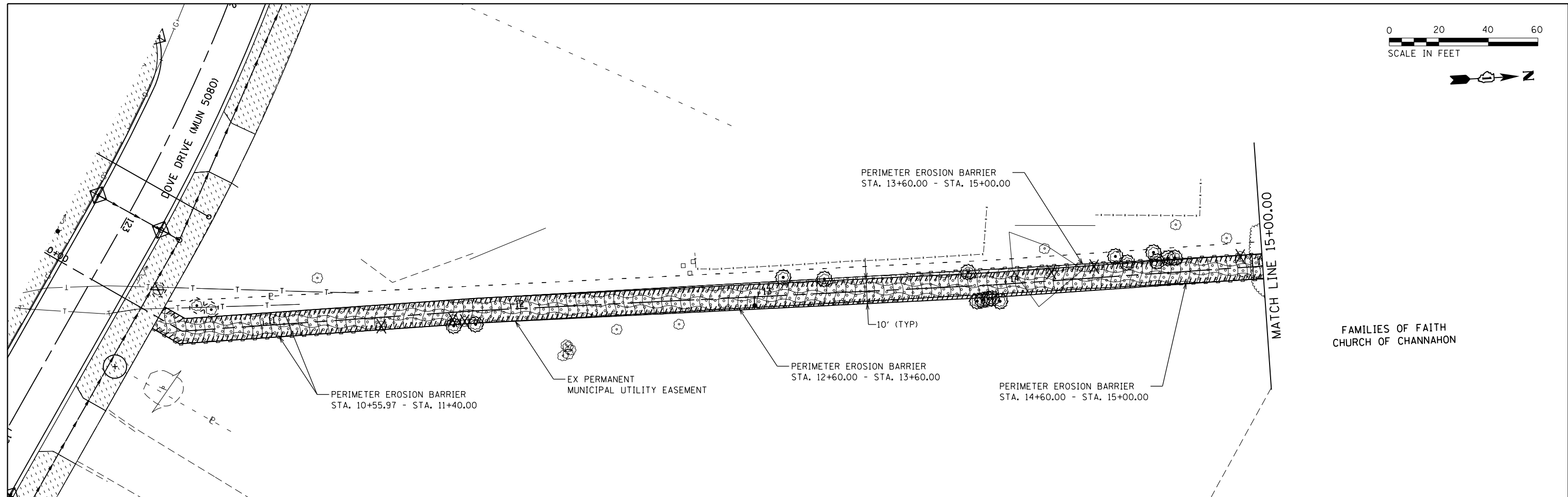
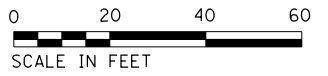
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PLOT DATE = 8/29/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY EROSION CONTROL, PERMANENT EROSION CONTROL,
AND LANDSCAPING PLAN**
SCALE: 1" = 20' SHEET 3 OF 4 SHEETS STA. 119+00.00 TO STA. 127+37.00

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	49
CONTRACT NO. 61F19				

ILLINOIS FED. AID PROJECT



LEGEND

	INLET FILTER	ABBREVIATIONS OF COMMON NAMES
	PERIMETER EROSION BARRIER (PEB)	GB (GINKGO)
	EROSION CONTROL BLANKET	HL (HONEYLOCUST)
	SEEDING, CLASS 1A	KC (KENTUCKY COFFEE - SEEDLESS)
	SODDING, SALT TOLERANT	SO (SWAMP WHITE OAK)
	TREE TRUNK PROTECTION/TREE ROOT PRUNING/TREE PRUNING	PE (AMERICAN ELM)
	PROPOSED TREE	
	TREE OR SHRUB REMOVAL (SEE REMOVAL SHEETS)	

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PLOT DATE = 8/29/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY EROSION CONTROL, PERMANENT EROSION CONTROL,
AND LANDSCAPING PLAN**

SCALE: 1"=20' SHEET 4 OF 4 SHEETS STA. 10+00.00 TO STA. 16+25.00

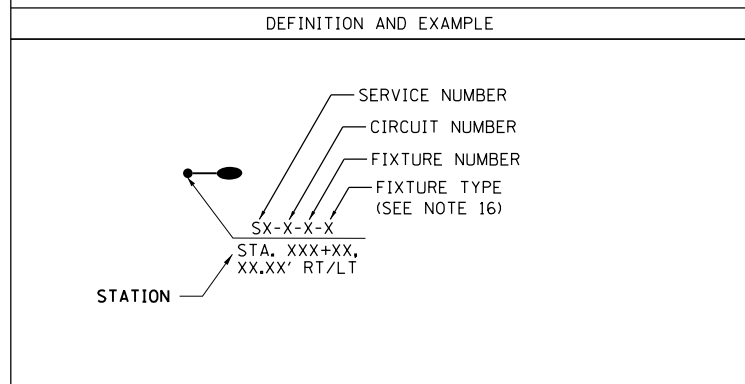
MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	50
CONTRACT NO. 61F19				

ILLINOIS FED. AID PROJECT

LIGHTING AND ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	LIGHT POLE, ALUMINUM 25 FT M.H. MAST ARM PER DISTRIBUTION TYPE AND WATTAGE TABLE, LIGHT POLE FOUNDATION, 24" DIAMETER AND AS NOTED LED FIXTURE
	PROPOSED UNIT DUCT, SIZE AND TYPE AS NOTED
	PROPOSED CABLE OR UNIT DUCT IN CONCEALED CONDUIT, SIZE AND TYPE AS NOTED
	PROPOSED UTILITY SERVICE CONNECTION, POLE MOUNTED

CALL-OUT SAMPLE



ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
AFG	ABOVE FINISHED GRADE
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CENTIMETER
CP	CONTROL PANEL
CT	CURRENT TRANSFORMER
DA	DAVIT ARM
DC	DIRECT CURRENT
DIA	DIAMETER
DP	DISTRIBUTION PANEL
E	EXISTING UNIT TO REMAIN
ECA	ELECTRIC CABLE ASSEMBLY
FT	FEET OR FOOT
FU	FUSE
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
HPS	HIGH PRESSURE SODIUM
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
LTFM	LIQUID TIGHT FLEXIBLE METALLIC
LPS	LOW PRESSURE SODIUM
M	METER
MA	MAST ARM
MM	MILLIMETER
M.H.	MOUNTING HEIGHT
MW	MESSANGER WIRE
NO. #	NUMBER
P	PROPOSED
PB	PUSH BUTTON
PNL	PANEL
PVC	POLYVINYL CHLORIDE
PVCC	PVC COATED RIGID GALVANIZED CONDUIT
PT	POTENTIAL TRANSFORMER
R	EXISTING UNIT TO BE REMOVED (OWNER SALVAGED U.N.O.)
RR	EXISTING UNIT TO BE REMOVED AND REINSTALLED
RECP	RECEPTACLE
RGC	RIGID GALVANIZED CONDUIT
SEL SW	SELECTOR SWITCH
SPARE	SPARE
SPACE	SPACE
SS	STAINLESS STEEL
STA	STATION
XFMR	TRANSFORMER
UD	UNIT DUCT
U.N.O.	UNLESS NOTED OTHERWISE
UGC, GS	UNDERGROUND CONDUIT, GALVANIZED STEEL
WP	WOOD POLE

GENERAL NOTES

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT, SPECIFICALLY AS THEY RELATE TO LUMP SUM ITEMS AND UNIT PRICE ITEMS.
- ALL NEW CONDUITS, UNIT DUCTS AND APPURTENANCES ARE INDICATED DIAGRAMMATICALLY ON THE DRAWINGS AND CONTRACTOR SHALL COORDINATE THE WORK SO THAT INTERFERENCES ARE AVOIDED. THE ACTUAL LOCATIONS IN THE FIELD SHALL BE APPROVED BY THE ENGINEER.
- THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH VILLAGE OF CHANNAHON CODE OF ORDINANCES AND THE LATEST CODES, STANDARDS AND THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED APRIL 1, 2016, AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL THE LIGHT POLES FOR EXAMINATION AND CONFIRMATION WITH THE ENGINEER AT THE PRE CONSTRUCTION INSPECTION. THE EXACT LOCATION OF ALL ITEMS SHALL BE CONFIRMED WITH THE ENGINEER PRIOR TO STARTING WORK.
- GROUNDING CONNECTIONS AT THE FOUNDATION SHALL BE EXOTHERMICALLY WELDED, AS SPECIFIED, AND SHALL BE OBSERVED AND APPROVED BY THE ENGINEER PRIOR TO CONCRETE POURING OR BACKFILLING, AS APPLICABLE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF THE FINISHED GRADE. THE ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY FOR COORDINATION OF THE FINISHED GRADE WITH THE TOP OF THE FOUNDATION HEIGHTS SHALL REMAIN WITH THE CONTRACTOR.
- THE CONTRACTOR SHALL FURNISH AND INSTALL LUMINAIRE LAMPS IN ACCORDANCE WITH THE SUPPLIERS RECOMMENDATIONS AND IN ACCORDANCE WITH THE SPECIFICATIONS. THE COST OF THIS WORK AND MATERIAL SHALL BE INCLUDED IN THE APPLICABLE LUMINAIRE PAY ITEM. SEPARATE PAYMENT WILL NOT BE MADE.
- ALL LUMINAIRE'S SHALL BE ORIENTED WITH THE OPTICS PERPENDICULAR TO THE ROADWAY UNLESS NOTED OTHERWISE OR DIRECTED BY THE ENGINEER. THE LUMINAIRES MAY REQUIRE NIGHT-TIME OPTICAL ADJUSTMENT UPON INSPECTION BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE APPLICABLE LUMINAIRE PAY ITEMS. SEPARATE PAYMENT WILL NOT BE MADE.
- CONDUITS AND UNIT DUCTS SHALL BE INSTALLED AT A MINIMUM 30 INCH DEPTH BELOW GRADE AND POSITIONED IN THE FIELD TO AVOID CONFLICT WITH ROADWAY UNDERDRAINS AND OTHER EXISTING AND PROPOSED UTILITIES. THE CONTRACTOR SHALL INCREASE DEPTH OF UNIT DUCT AND CONDUIT AS REQUIRED, NO ADDITIONAL COMPENSATION SHALL BE PROVIDED. THE CONTRACTOR SHALL COORDINATE RACEWAY DEPTH WITH THE ELECTRICAL DETAILS AND THE ENGINEER.
- THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE SPECIFIED REQUIREMENTS FOR BURIED WARNING TAPE AS PART OF THE UNDERGROUND CONDUIT OR UNIT DUCT. THE INSTALLATION OF THE TAPE SHALL BE OBSERVED BY THE ENGINEER PRIOR TO BACKFILLING OR DURING PLOWING OPERATIONS, AS APPLICABLE.
- WHERE THE CONTRACTORS EXCAVATION MEETS AN OBSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR DIRECTION IN WRITING PRIOR TO FURTHER EXCAVATION. THE CONTRACTOR SHALL RESTORE ANY DAMAGE TO EXISTING SYSTEMS OR UTILITIES AND REMOVE EXISTING OBSTRUCTIONS AND FOUNDATIONS TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE APPROPRIATE PAY ITEM.
- THE CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUITS, FOUNDATIONS AND UNIT DUCTS WITH THE ROADWAY, DRAINAGE, CURB, AND SIDEWALK WORK AND UNDERGROUND UTILITIES.
- NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE BEEN CURED FOR 14 DAYS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- SPLICING OF CONDUCTORS SHALL BE IN POLE BASES OR ABOVE-GRADE WEATHER TIGHT JUNCTION BOXES ONLY. SPLICES BELOW GRADE WILL NOT BE PERMITTED.
- ALL MEASUREMENTS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY MEASUREMENTS IN THE FIELD.
- PHOTOMETRIC DISTRIBUTIONS AND WATTAGES TO BE USED VARY DEPENDING ON LOCATION. LABELS SHOWN ON THE PLANS ARE BASED ON THE PHOTOMETRIC DISTRIBUTION AND WATTAGE TABLE.
- ALL EXISTING LIGHTING UNITS AND AERIAL CABLE WILL BE REMOVED BY ELECTRIC UTILITY. COORDINATE REMOVAL WITH ELECTRIC UTILITY.

ITEM	UNIT	TOTAL QUANTITY
ELECTRIC SERVICE INSTALLATION (80400100)	EACH	1
ELECTRIC UTILITY SERVICE CONNECTION (80400200)	L SUM	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. (81028200)	FOOT	237
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA. (81028240)	FOOT	65
UNIT DUCT, 600V, 2-1C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE (81603000)	FOOT	383
UNIT DUCT, 600V, 3-1C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE (81603055)	FOOT	1168
LIGHT POLE FOUNDATION, 24" DIAMETER (83600200)	FOOT	36
LUMINAIRE, LED, HORIZONTAL MOUNT, LOW WATTAGE (X1400094)	EACH	2
LUMINAIRE, LED, HORIZONTAL MOUNT, HIGH WATTAGE (X1400095)	EACH	5
LIGHT POLE, SPECIAL (X8300001)	EACH	6
LUMINAIRE SAFETY CABLE ASSEMBLY (Z0033020)	EACH	7
INDICATES SPECIAL PROVISION		

DISTRIBUTION LABEL	DISTRIBUTION TYPE AND WATTAGE	QUANTITY
TYPE A	TYPE II, APPROX. 95W LED, SINGLE 12' MAST ARM	5
TYPE B	TYPE II, APPROX. 60W LED, 2-8' MAST ARMS	1

INDEX OF DRAWINGS:

DRAWING NO.	TITLE
E1	GENERAL ROADWAY LIGHTING NOTES, SYMBOLS, AND LEGEND
E2-E3	EXISTING ROADWAY LIGHTING PLAN
E4-E5	ROADWAY LIGHTING PLAN
E6	STREET LIGHTING DETAIL

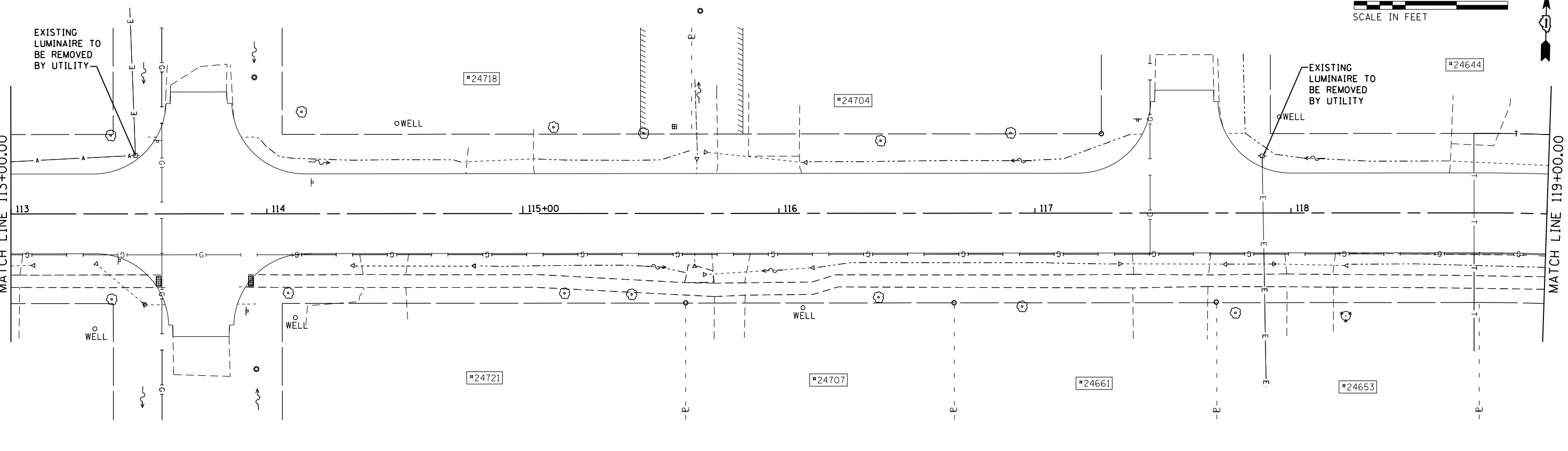
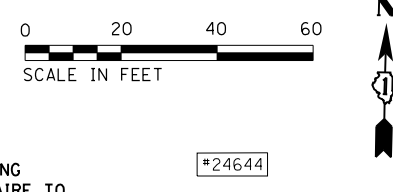
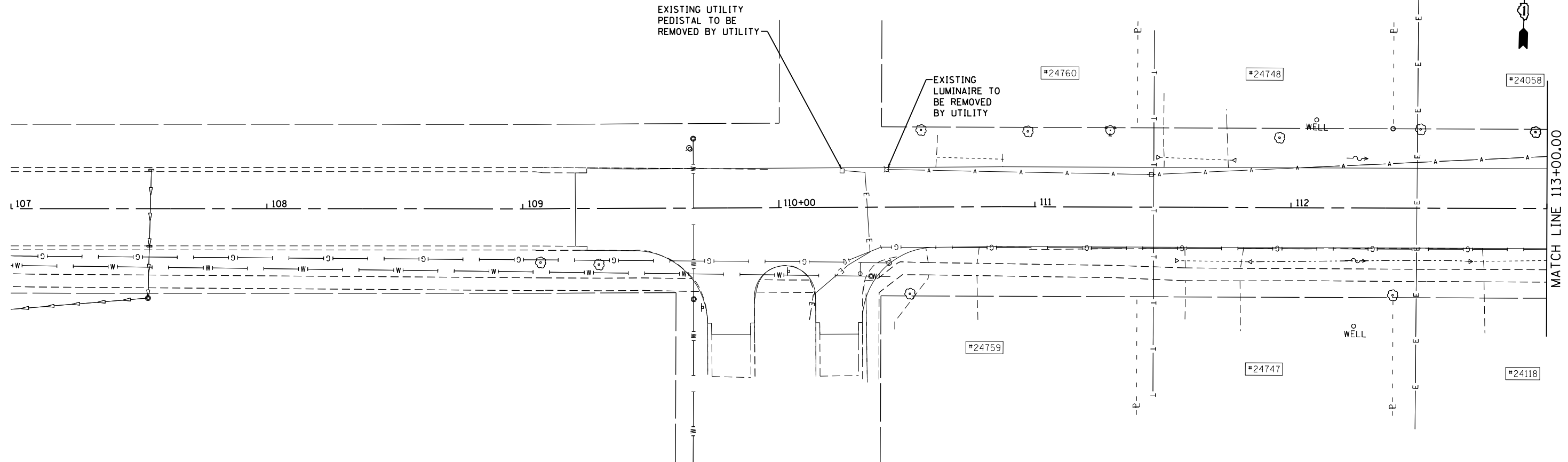
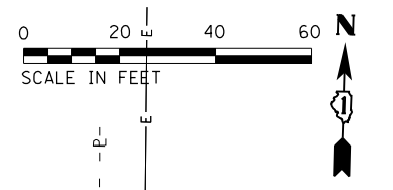
IDOT DISTRICT 1 STANDARD DETAILS

BE-701	LUMINAIRE SAFETY CABLE ASSEMBLY
BE-702	MISCELLANEOUS DETAILS, SHEET A - (CABLE SPLICE, POLE WIRING, TRENCH DETAIL)

VILLAGE OF CHANNAHON STANDARD DETAILS

DRAWING LIGHTS 1	STREET LIGHTING DETAIL
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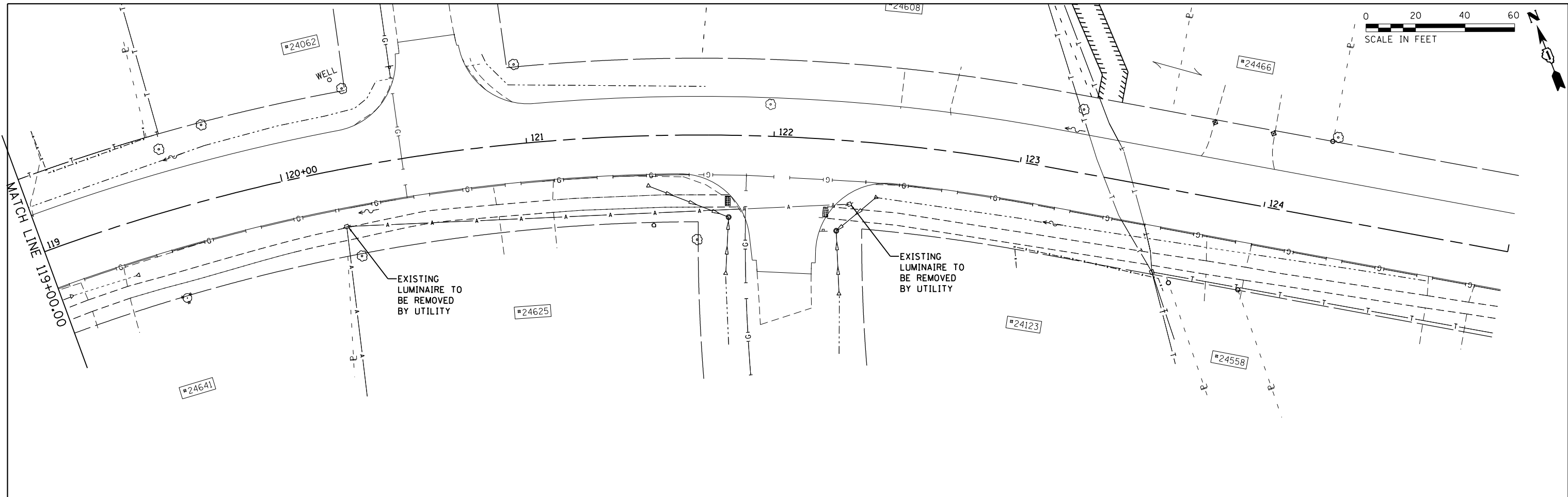
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EXISTING ROADWAY LIGHTING PLAN

SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. 107+00 TO STA. 119+00

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	52
CONTRACT NO. 61F19			ILLINOIS FED. AID PROJECT	

E2



FILE NAME = S:\JUL\6480-6491\6437\108\Drawings\CAD\Micros\CADD_Sheets\6437\108-shr-ex-light-2.dgn

SA STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = JakeSc	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/29/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EXISTING ROADWAY LIGHTING PLAN

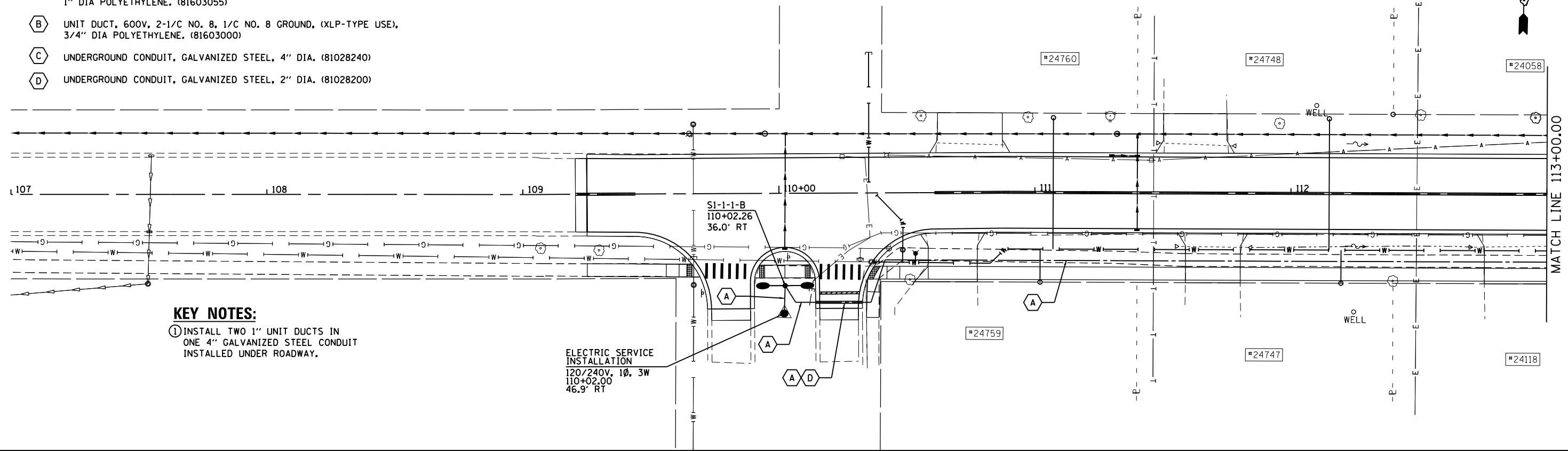
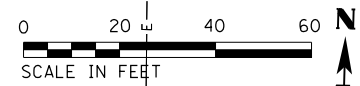
SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. 119+00 TO STA. 125+00

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	53
CONTRACT NO. 61F19				
ILLINOIS FED. AID PROJECT				

E3

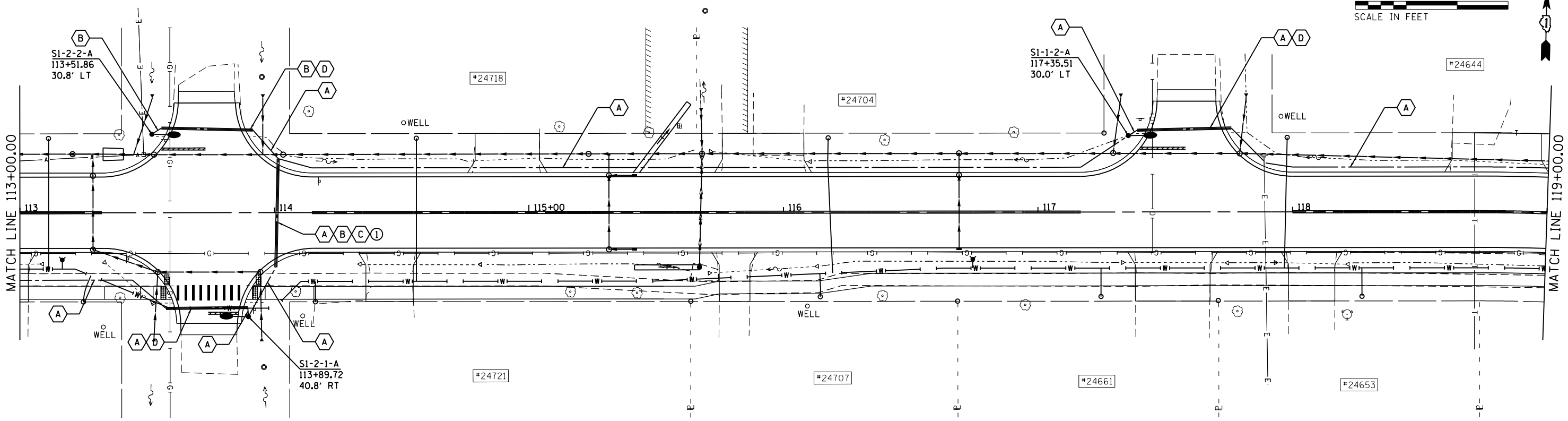
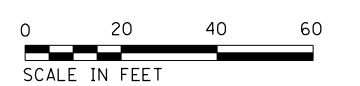
UNIT DUCT, CONDUIT, CABLE SYMBOL LEGEND

- A** UNIT DUCT, 600V, 3-1/C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 1" DIA POLYETHYLENE. (81603055)
- B** UNIT DUCT, 600V, 2-1/C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 3/4" DIA POLYETHYLENE. (81603000)
- C** UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA. (81028240)
- D** UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. (81028200)



KEY NOTES:
 ① INSTALL TWO 1" UNIT DUCTS IN ONE 4" GALVANIZED STEEL CONDUIT INSTALLED UNDER ROADWAY.

ELECTRIC SERVICE INSTALLATION
 120/240V, 1Ø, 3W
 110+02.00
 46.9' RT



FILE NAME = SA\JUL16480-64916437\108\Drawings\CAD\MicroStation\CADD_Sheets\6437108-mat-light-3.dgn



USER NAME = JakeSc	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
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PLOT DATE = 8/29/2018	DATE -	REVISED -

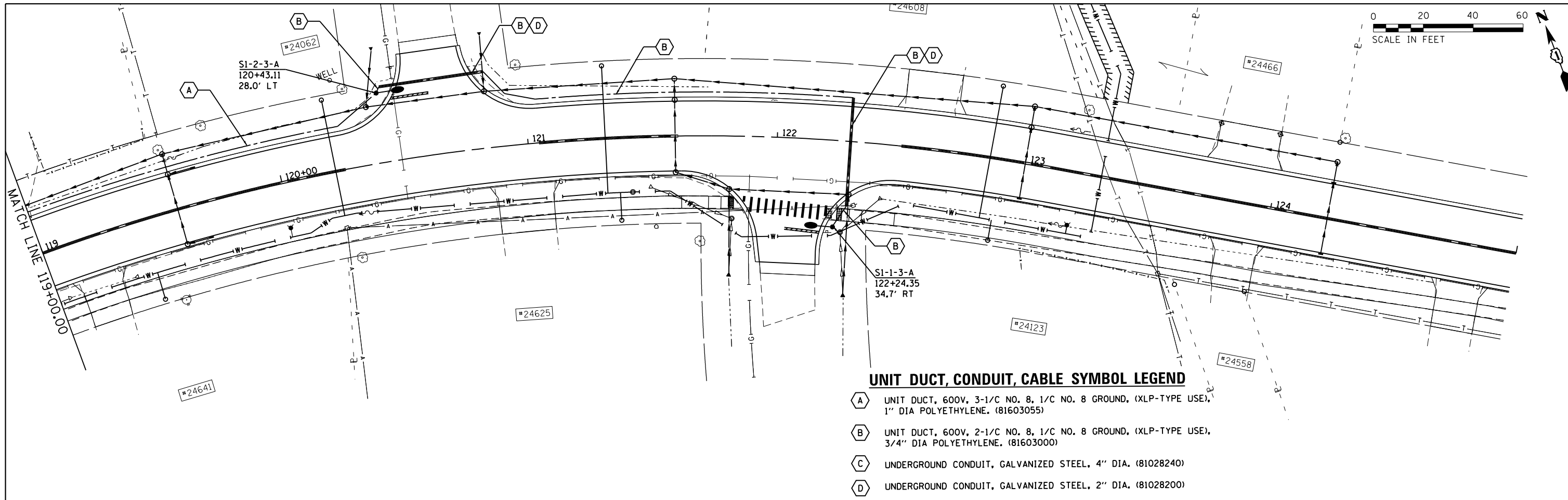
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROADWAY LIGHTING PLAN
 SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. 107+00.00 TO STA. 119+00.00

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	54
CONTRACT NO. 61F19				

ILLINOIS FED. AID PROJECT

E4



UNIT DUCT, CONDUIT, CABLE SYMBOL LEGEND

- A** UNIT DUCT, 600V, 3-1/C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 1" DIA POLYETHYLENE. (81603055)
- B** UNIT DUCT, 600V, 2-1/C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 3/4" DIA POLYETHYLENE. (81603000)
- C** UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA. (81028240)
- D** UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. (81028200)

FILE NAME = SA\JOL\64800-6491\6437\108\Drawings\CAD\Micros\CADD_Sheets\6437\08-mt-light-4.dgn

SA STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = JakeSc	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/29/2018	DATE -	REVISED -

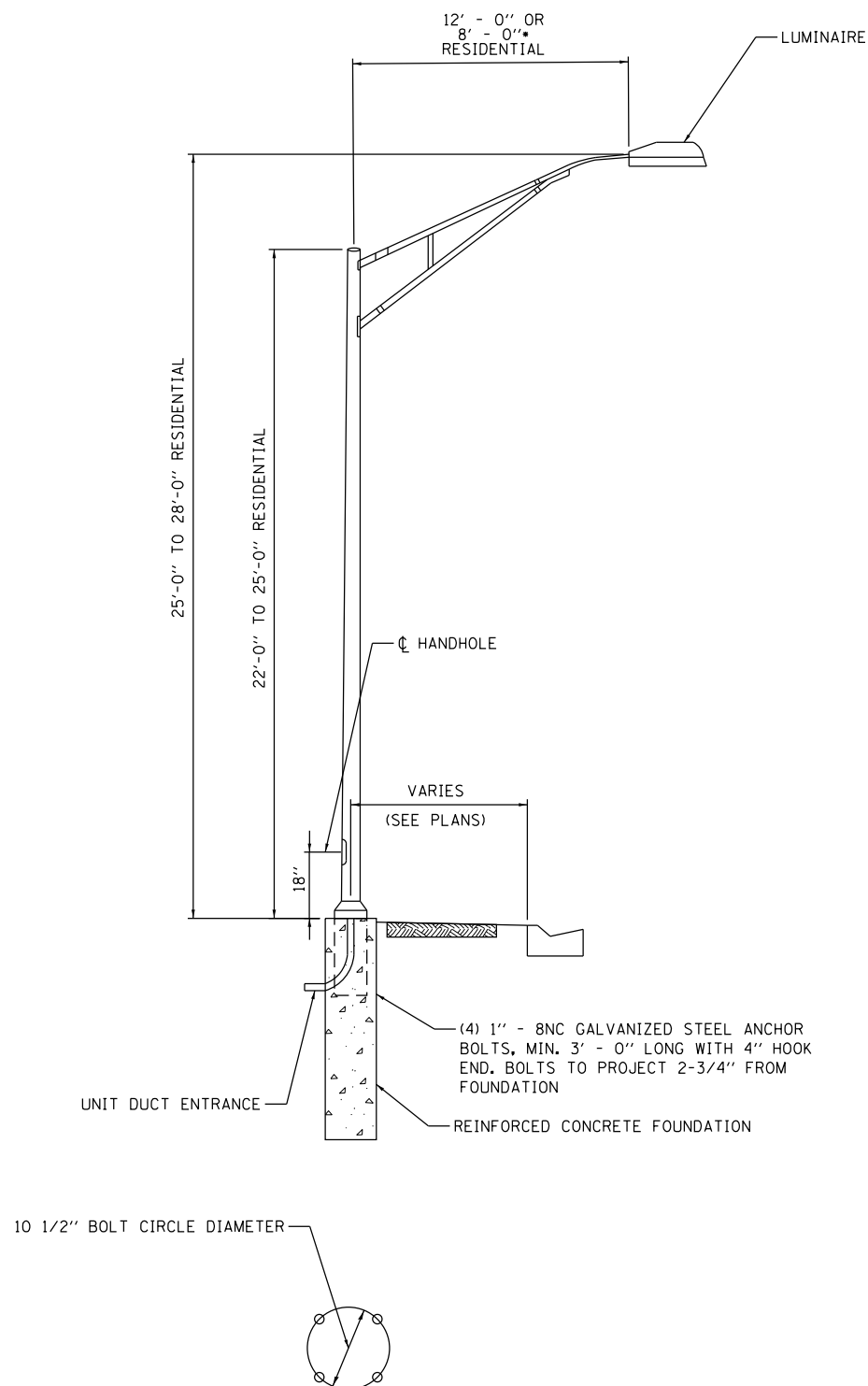
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROADWAY LIGHTING PLAN
 SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. 119+00.00 TO STA. 125+00.00

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	55
				CONTRACT NO. 61F19
ILLINOIS FED. AID PROJECT				

E5

FILE NAME = SA\JOL\6400-6491\6437\108\Drawings\CAD\Micros\CADD_Sheets\0412345-ght-lighting-detail1.dgn



NOTES:

1. ALL WORK SHALL CONFORM WITH THE "NATIONAL ELECTRIC CODE" REQUIREMENTS AND THE POLICIES OF COMMONWEALTH EDISON COMPANY.
 2. SEE THE STREET LIGHT MATERIAL STANDARDS AND SPECIFICATIONS FOR LUMINAIRE TYPE AND OTHER INSTALLATION REQUIREMENTS.
- FOR DOUBLE MAST ARM POLES ONLY



USER NAME = JakeSc	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/29/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STREET LIGHTING DETAIL

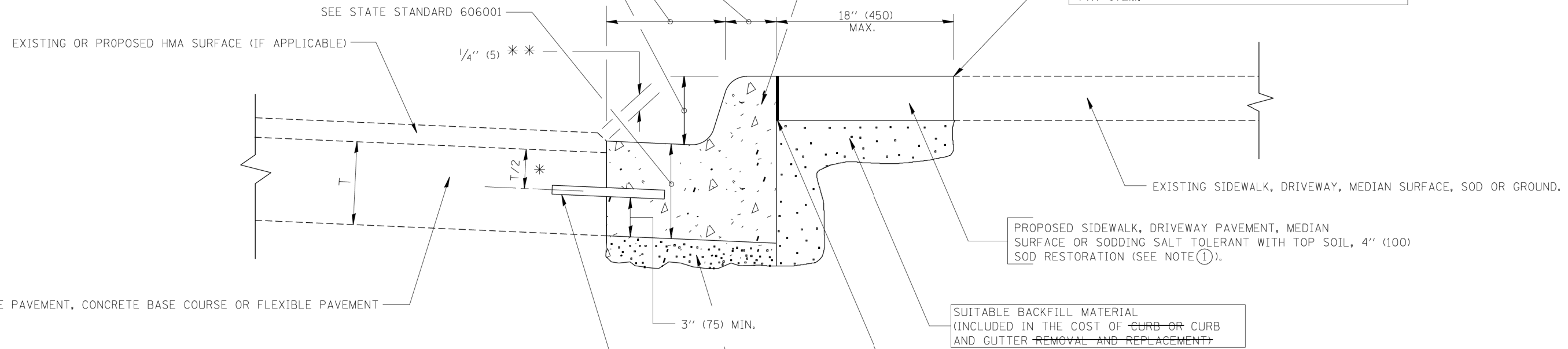
SCALE: SHEET OF SHEETS STA. TO STA.

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	56
DRAWING LIGHTS 1			CONTRACT NO. 61F19	
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.



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

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

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY. SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY,

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

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

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

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

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

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

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

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

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

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

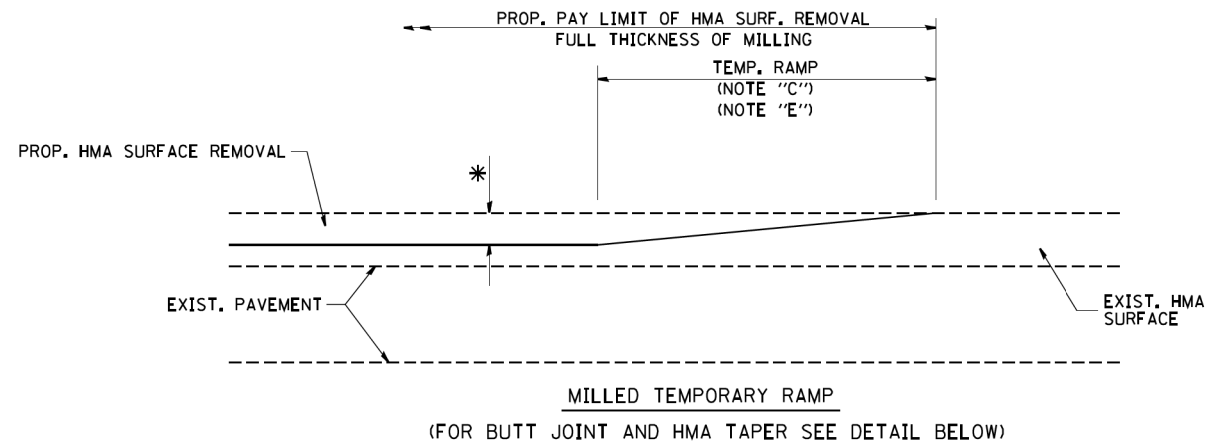
PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

~~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".~~

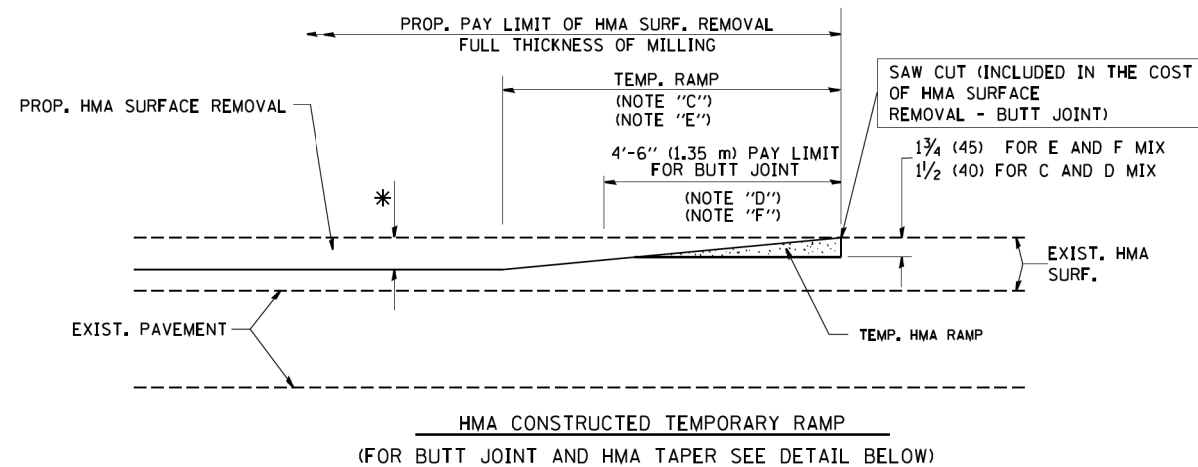
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = drivakosgn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\p\work\p\dot\drivakosgn\d0108315\bc24.dgn	DRAWN -	REVISED - A. ABBAS 03-21-97	5080			16-00025-00-FP	WILL	74	57	
PLOT SCALE = 50.000' / 1 IN.	CHECKED -	REVISED - M. GOMEZ 01-22-01	BD600-06 (BD-24)			CONTRACT NO. 61F19				
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		

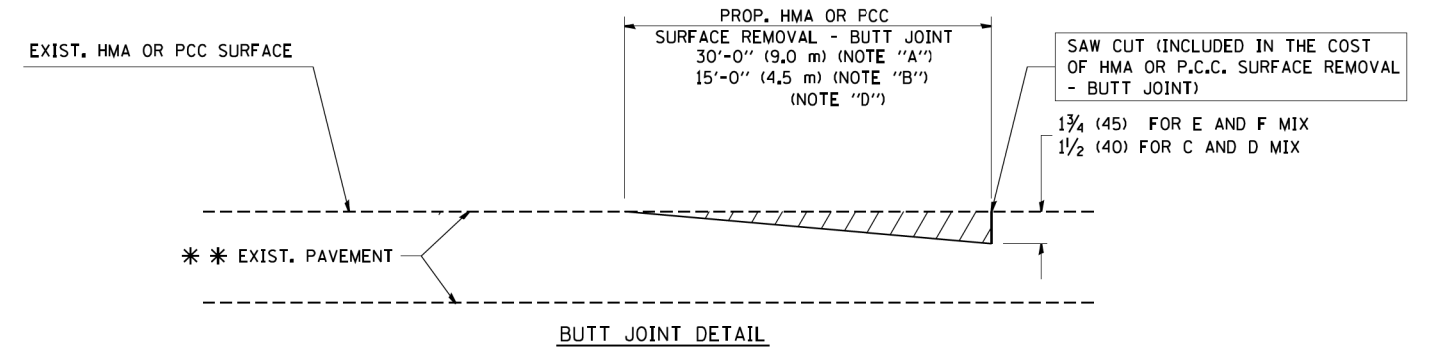


OPTION 1

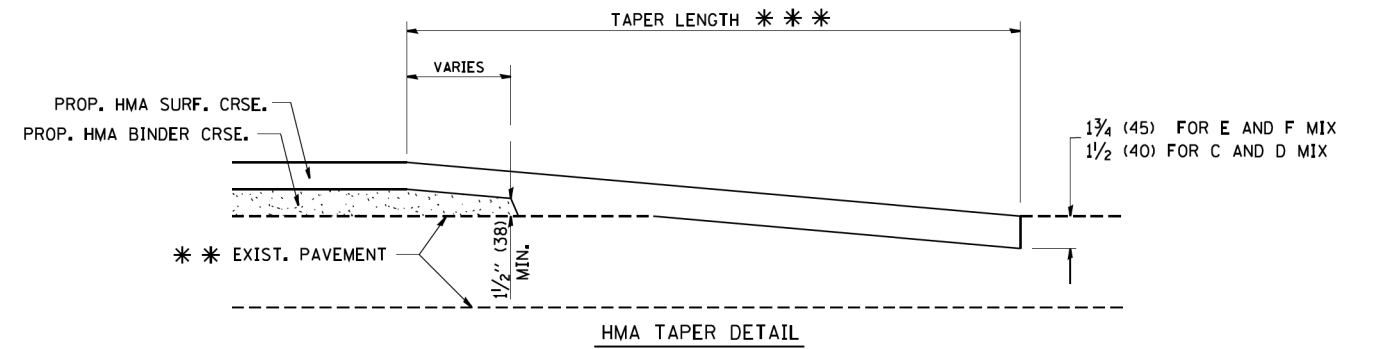


OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

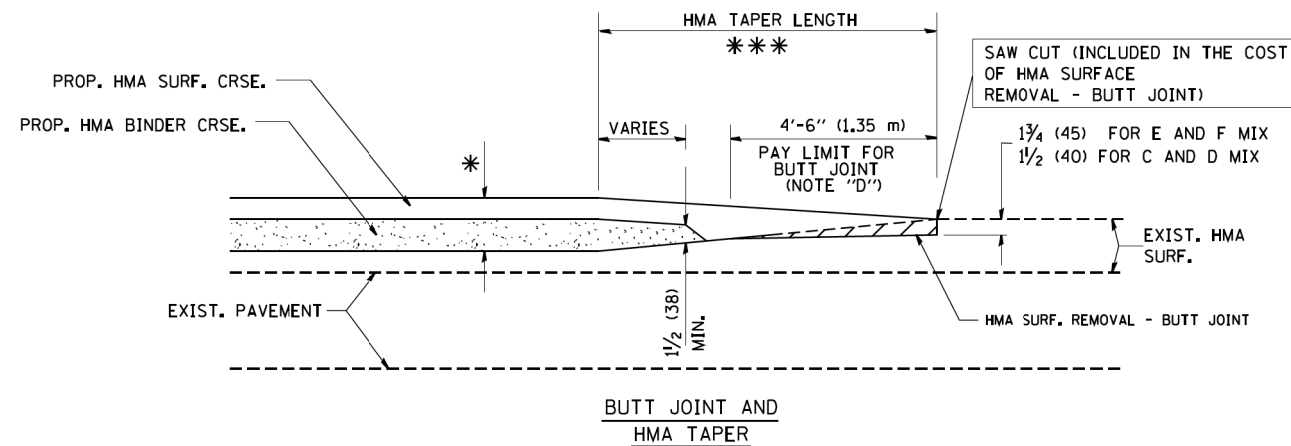
NOTES

- 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.



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

FILE NAME = W:\distata\22x34\bd32.dgn

USER NAME = gaglianobt
PLOT SCALE = 50.0000' / IN.
PLOT DATE = 1/4/2008

DESIGNED - M. DE YONG
DRAWN -
CHECKED -
DATE - 06-13-90

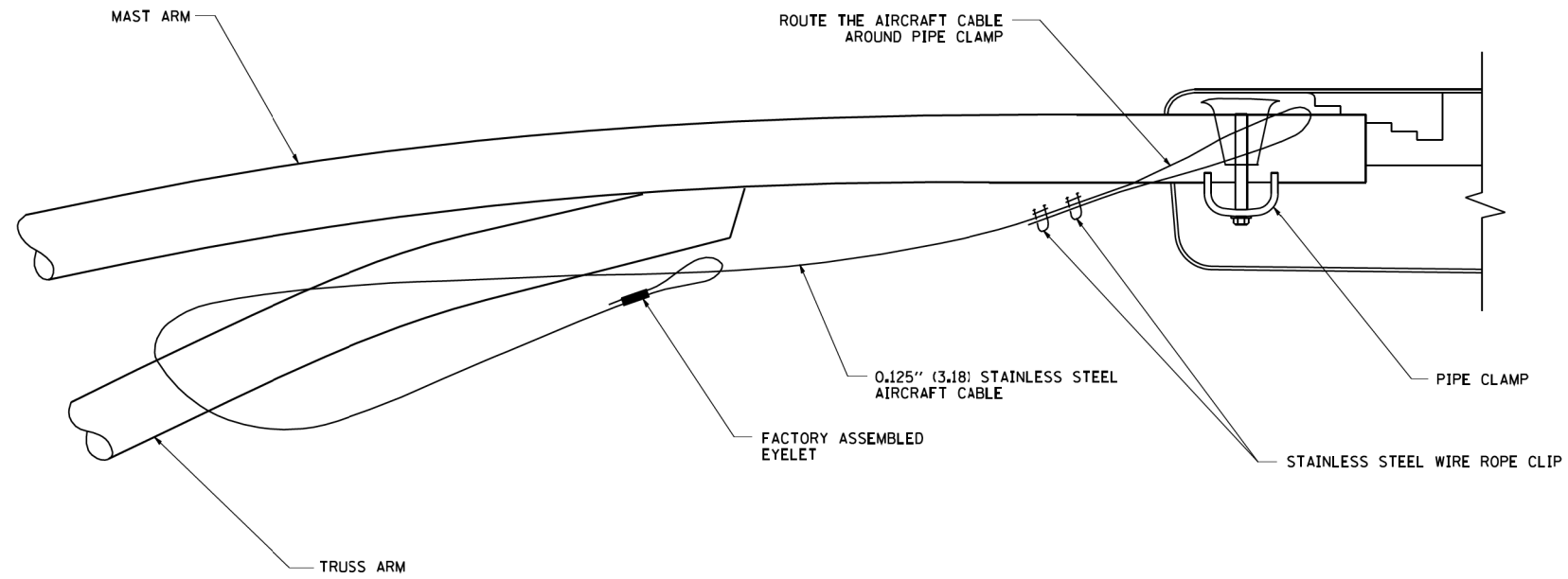
REVISED - R. SHAH 10-25-94
REVISED - A. ABBAS 03-21-97
REVISED - M. GOMEZ 04-06-01
REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

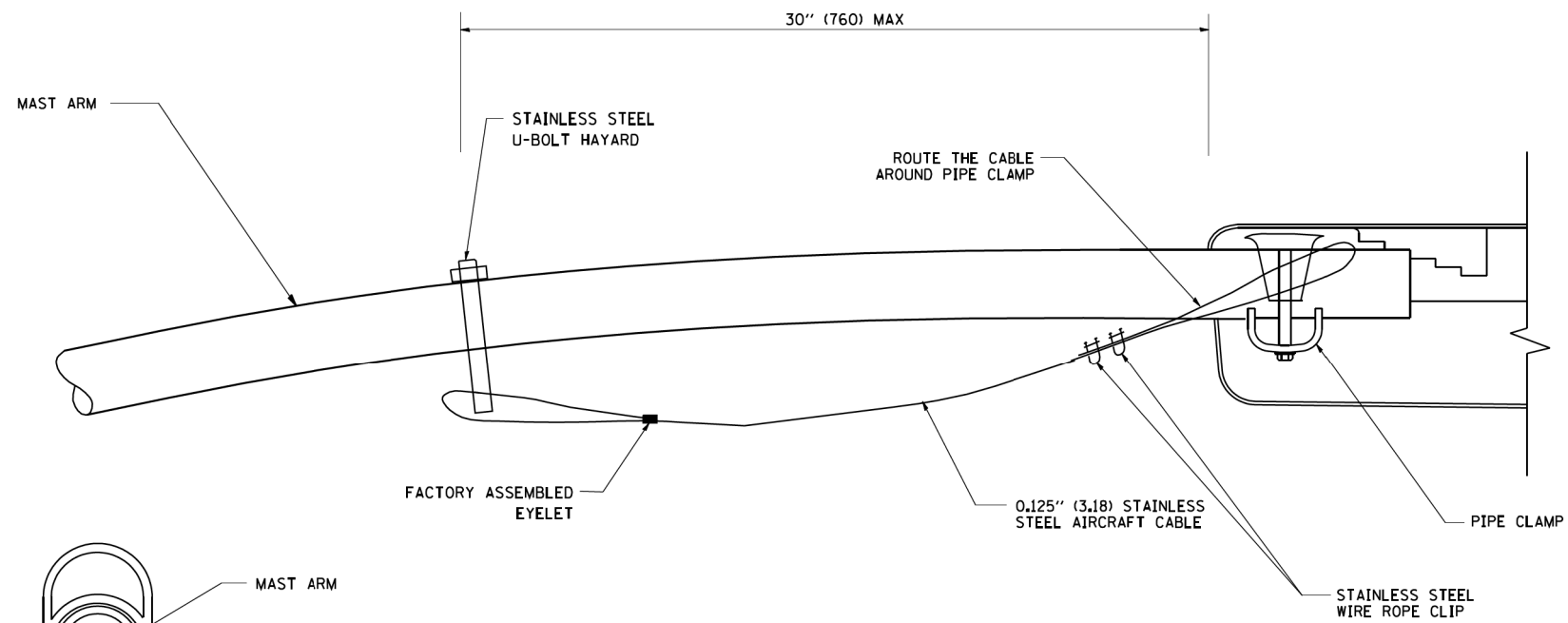
**BUTT JOINT AND
HMA TAPER DETAILS**

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

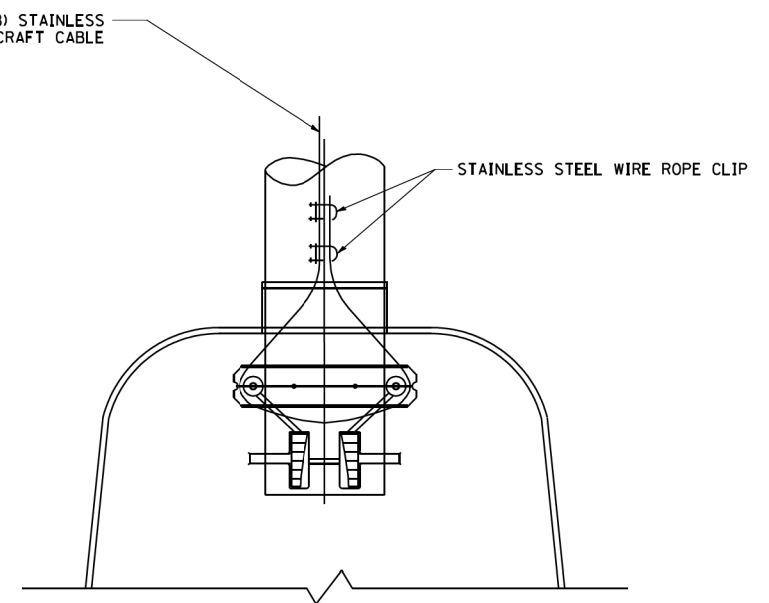
MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	58
BD400-05 BD32		CONTRACT NO. 61F19		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



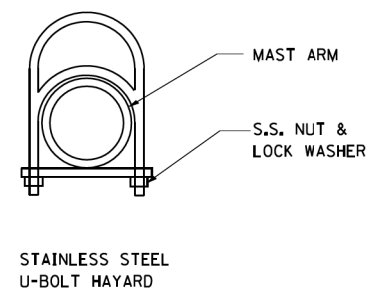
SIDE VIEW (TRUSS ARM)
N.T.S.



SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)
N.T.S.

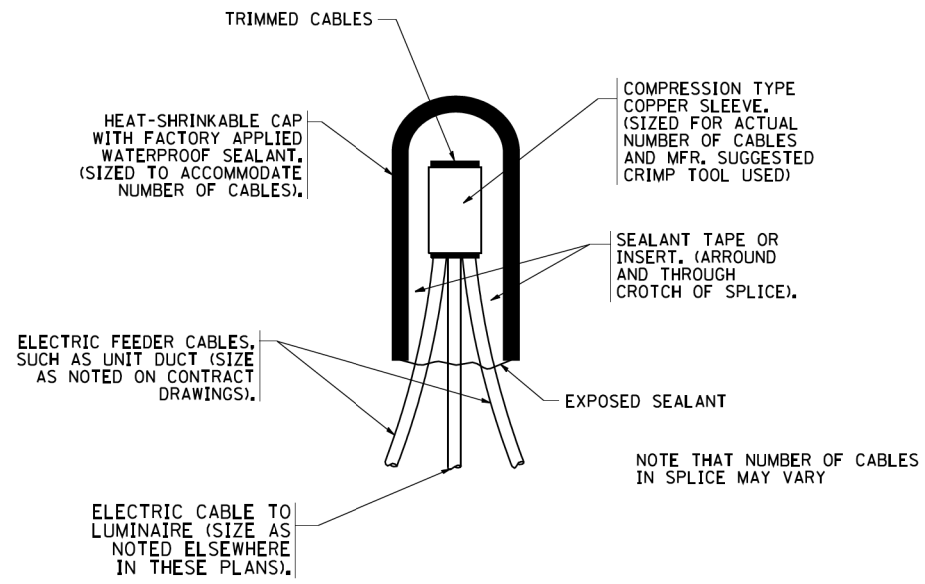


BOTTOM VIEW
N.T.S.



- NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
 2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
 3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
 4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN.

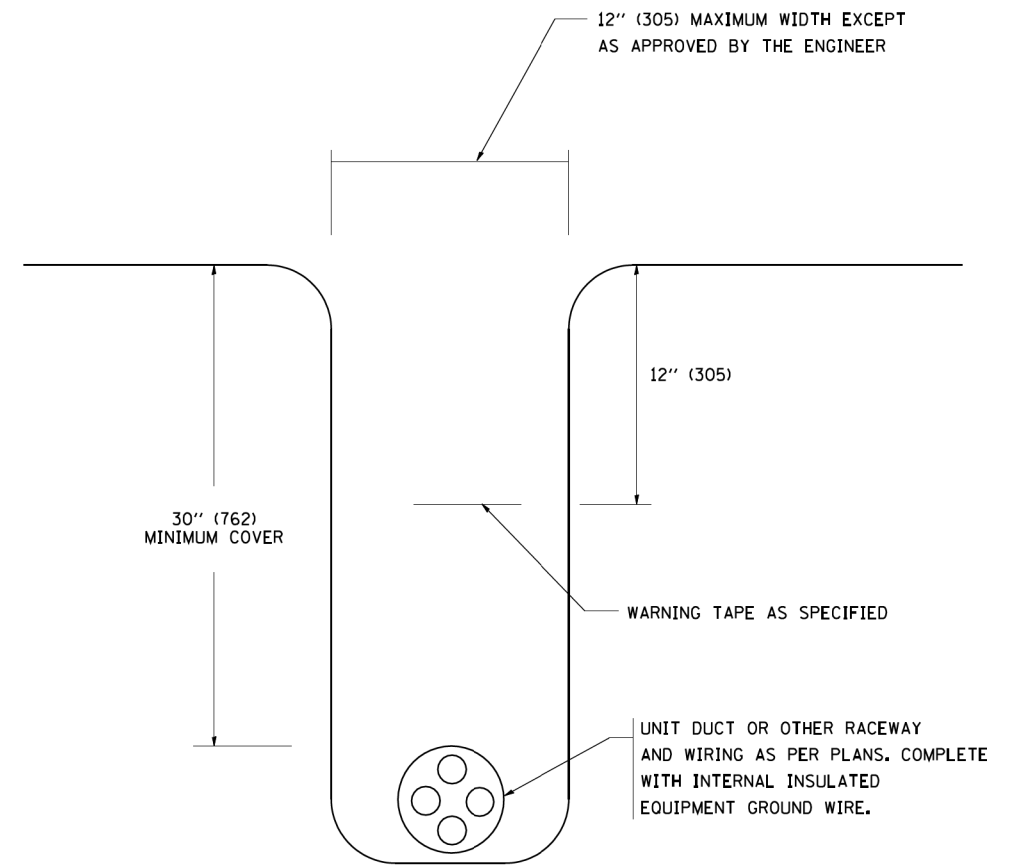
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PLOT SCALE = 50.000' / IN. PLOT DATE = 1/4/2008	CHECKED - DATE -	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.	CONTRACT NO. 61F19		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



TYPICAL SPLICE DETAIL

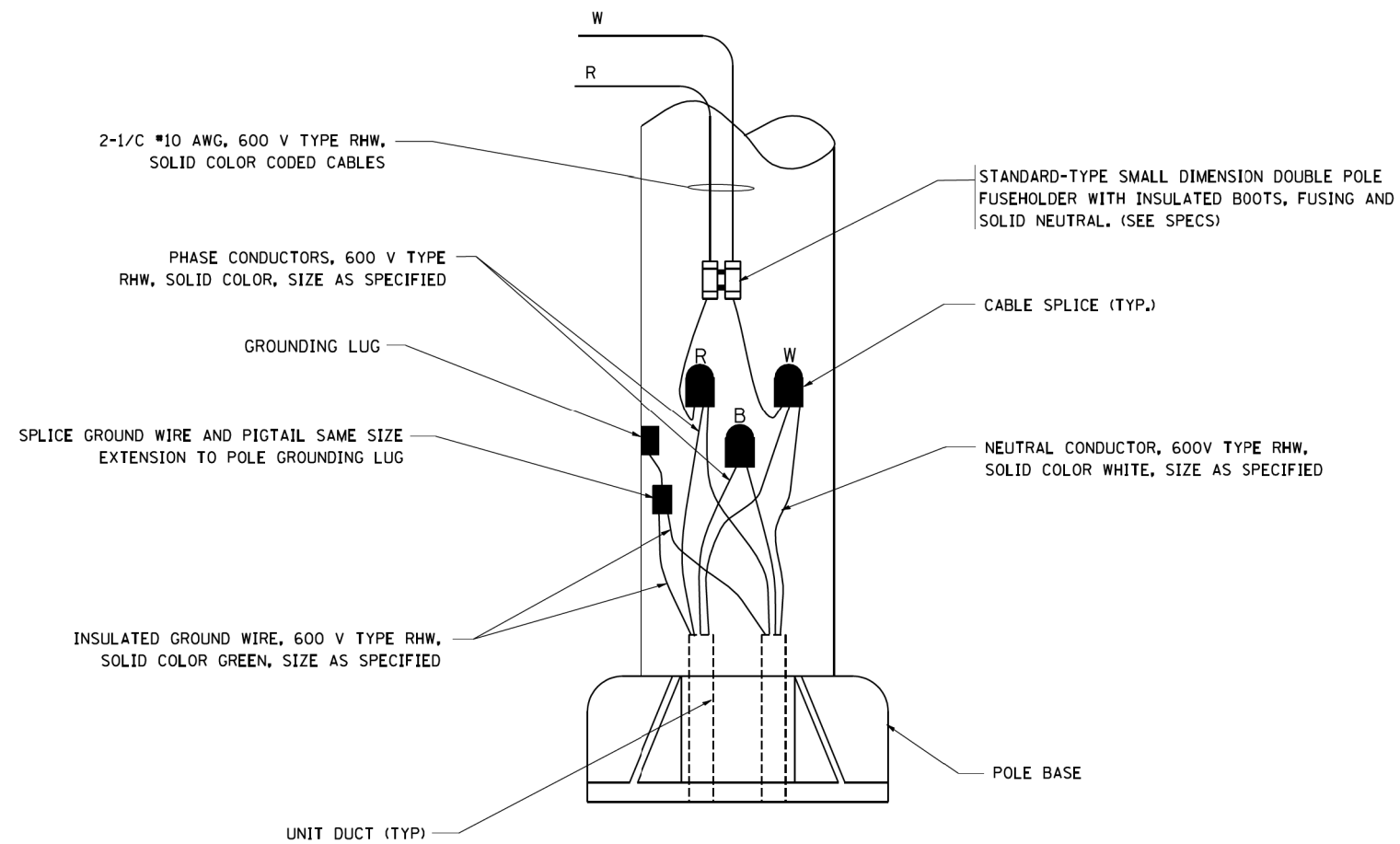
N.T.S.

NOTE THAT NUMBER OF CABLES IN SPLICE MAY VARY



TYPICAL WIRING IN TRENCH DETAIL

N.T.S.



POLE WIRING DETAIL

N.T.S.

FILE NAME = W:\distad\22x34\be702.dgn

USER NAME = geglano

DESIGNED - REVISED - 08-08-03

DRAWN - REVISED -

PLOT SCALE = 50.000' / IN.

CHECKED - REVISED -

PLOT DATE = 1/4/2008

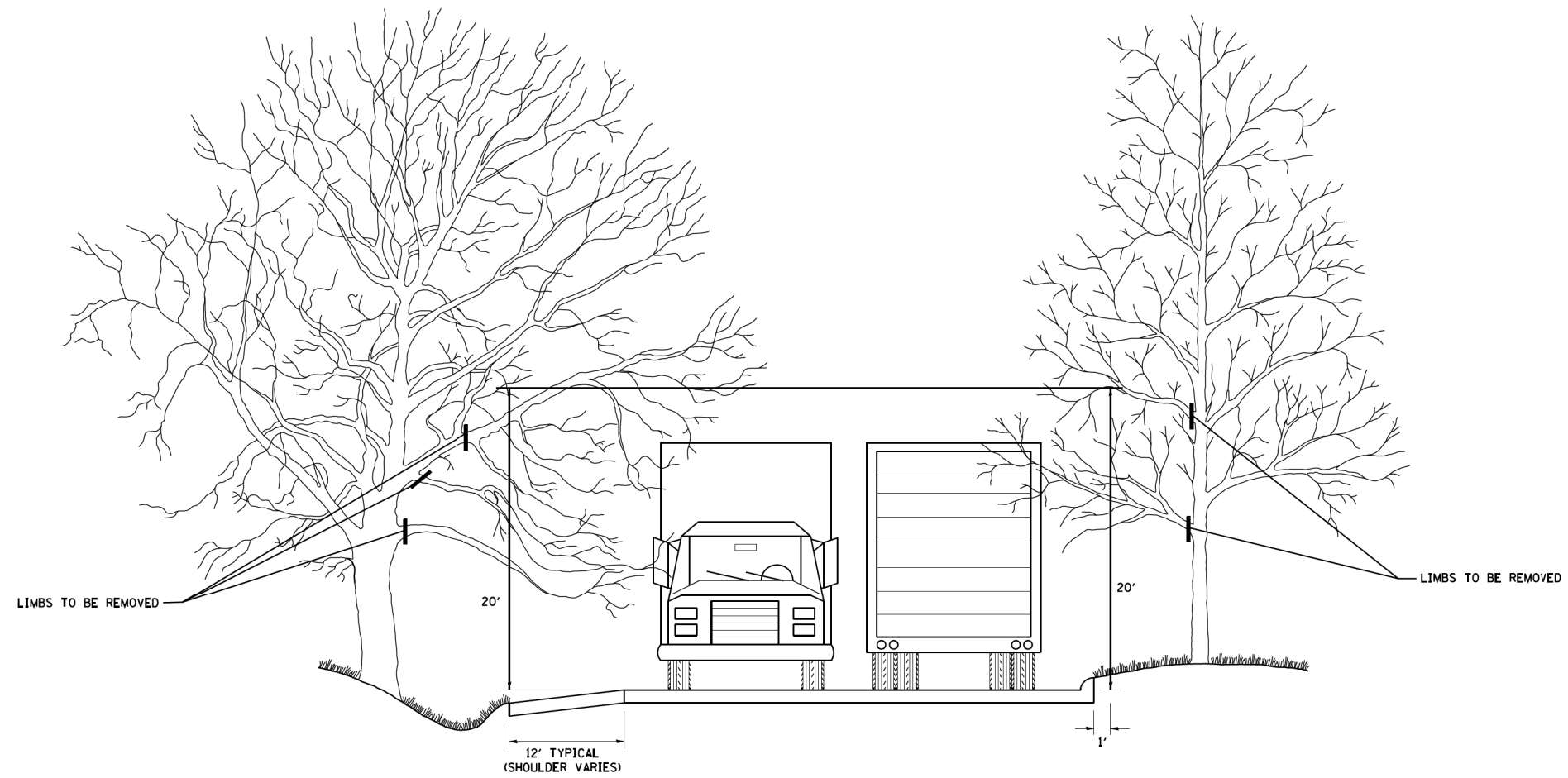
DATE - REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MISC. ELECTRICAL DETAILS
SHEET A**

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

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	60
BE-702		CONTRACT NO. 61F19		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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W:\diststd\22x34\bm20.dgn

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PLOT SCALE = 50.000' / IN.
PLOT DATE = 1/4/2008

DESIGNED -
DRAWN -
CHECKED -
DATE -

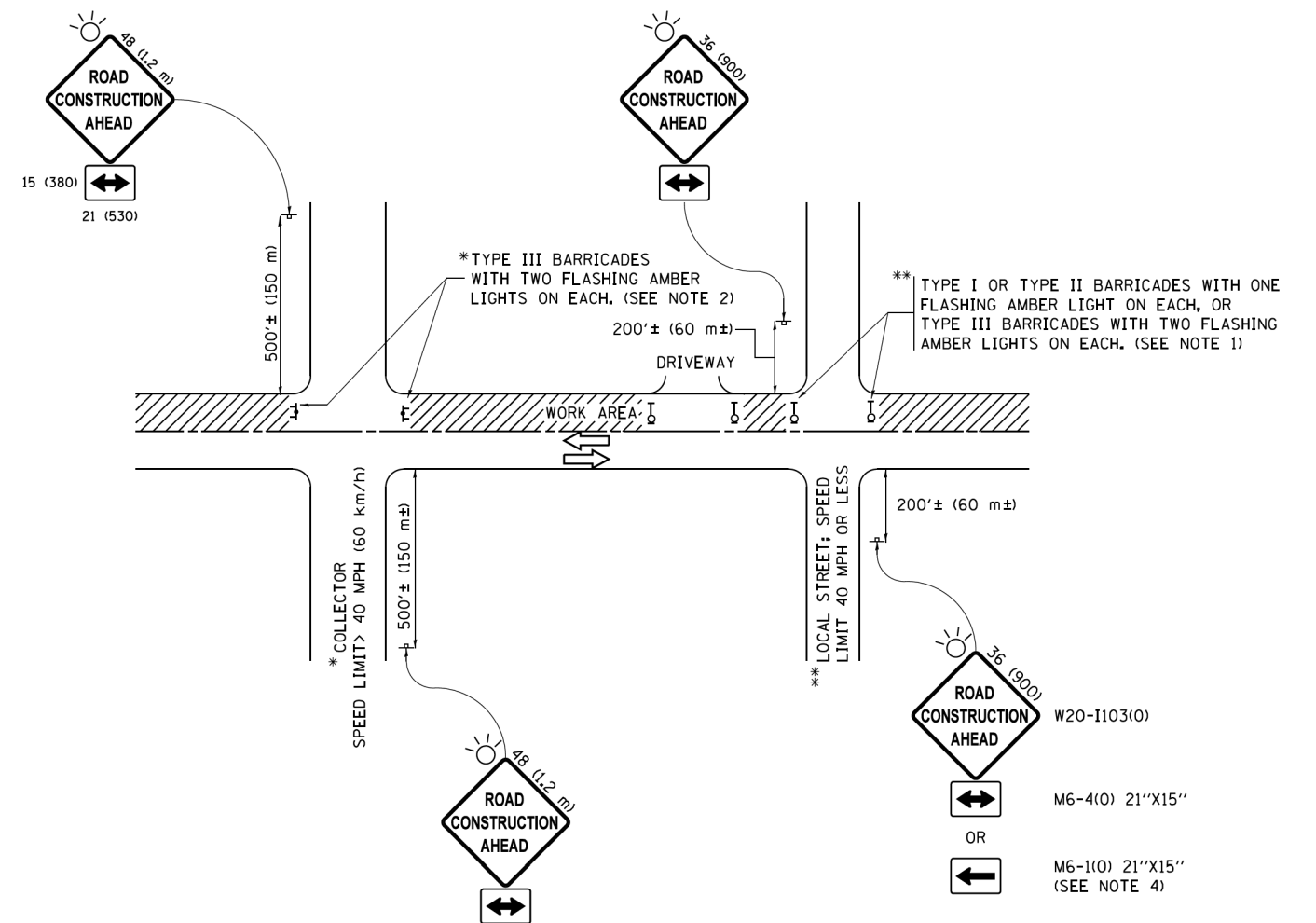
REVISED - R. BORO 10-31-06
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PRUNING FOR SAFETY AND
EQUIPMENT CLEARANCE**

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

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	61
BM-20		CONTRACT NO.	61F19	
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.

FILE NAME =	USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS			MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\1\084EBID\INTEG\illinois.gov\FWIDOT\Documents\IDOT Offices\District 1\Projects\Dist 1\CADD\cadd\CADsheets\ct10.dgn	DRAWN	CHECKED -	REVISED - T. RAMMACHER 01-06-00		5080	16-00025-00-FP	WILL	74	62			
Default	PLOT SCALE = 50,000' / 1" =	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13		TC-10			CONTRACT NO. 61F19				
	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16		SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		






ROUTE MARKERS

 FOR U.S. ROUTES
M1-40-2424






 FOR ILLINOIS ROUTES
M1-50-2424

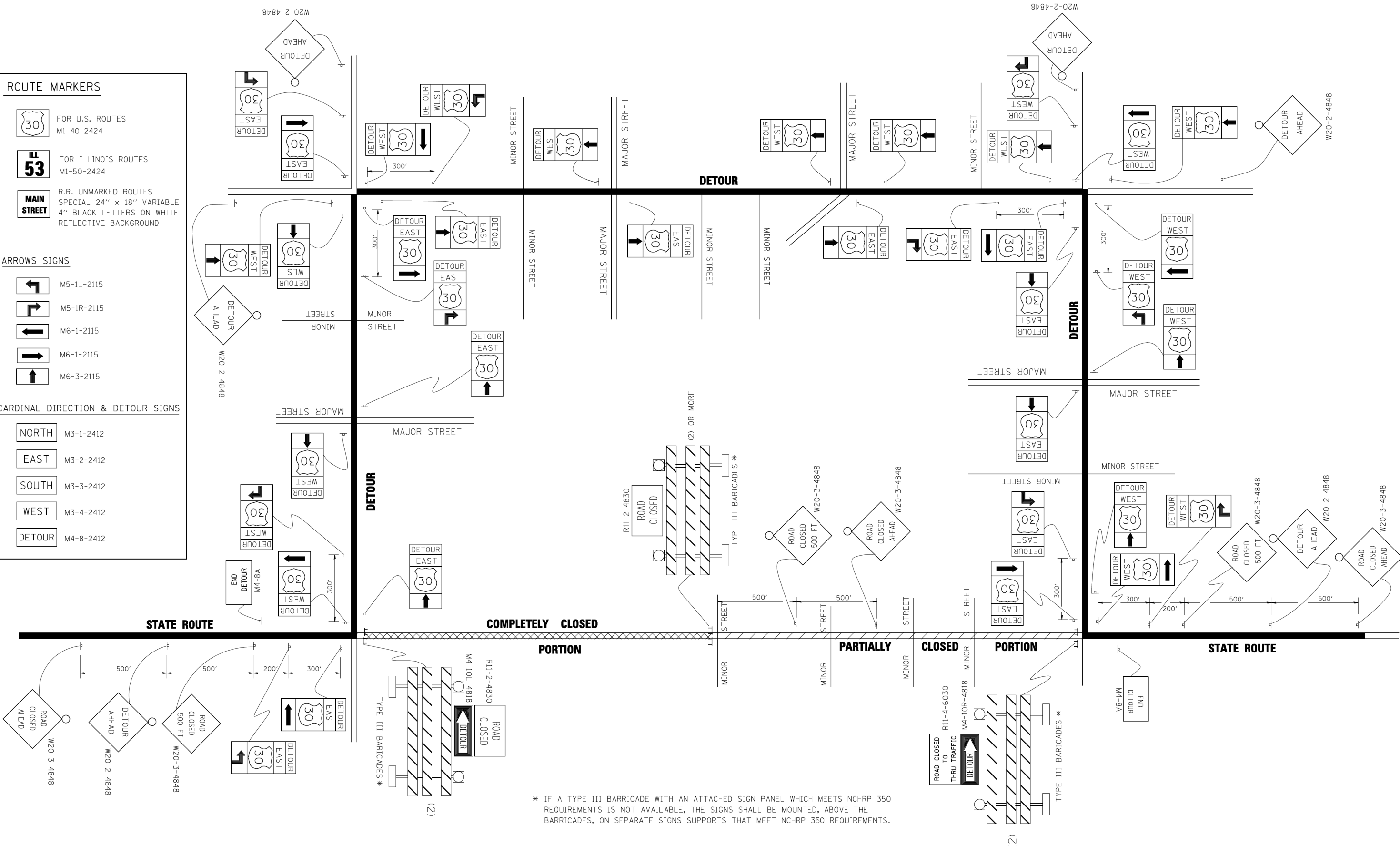
 R.R. UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND

ARROWS SIGNS

-  M5-1L-2115
-  M5-1R-2115
-  M6-1-2115
-  M6-1-2115
-  M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

-  NORTH M3-1-2412
-  EAST M3-2-2412
-  SOUTH M3-3-2412
-  WEST M3-4-2412
-  DETOUR M4-8-2412



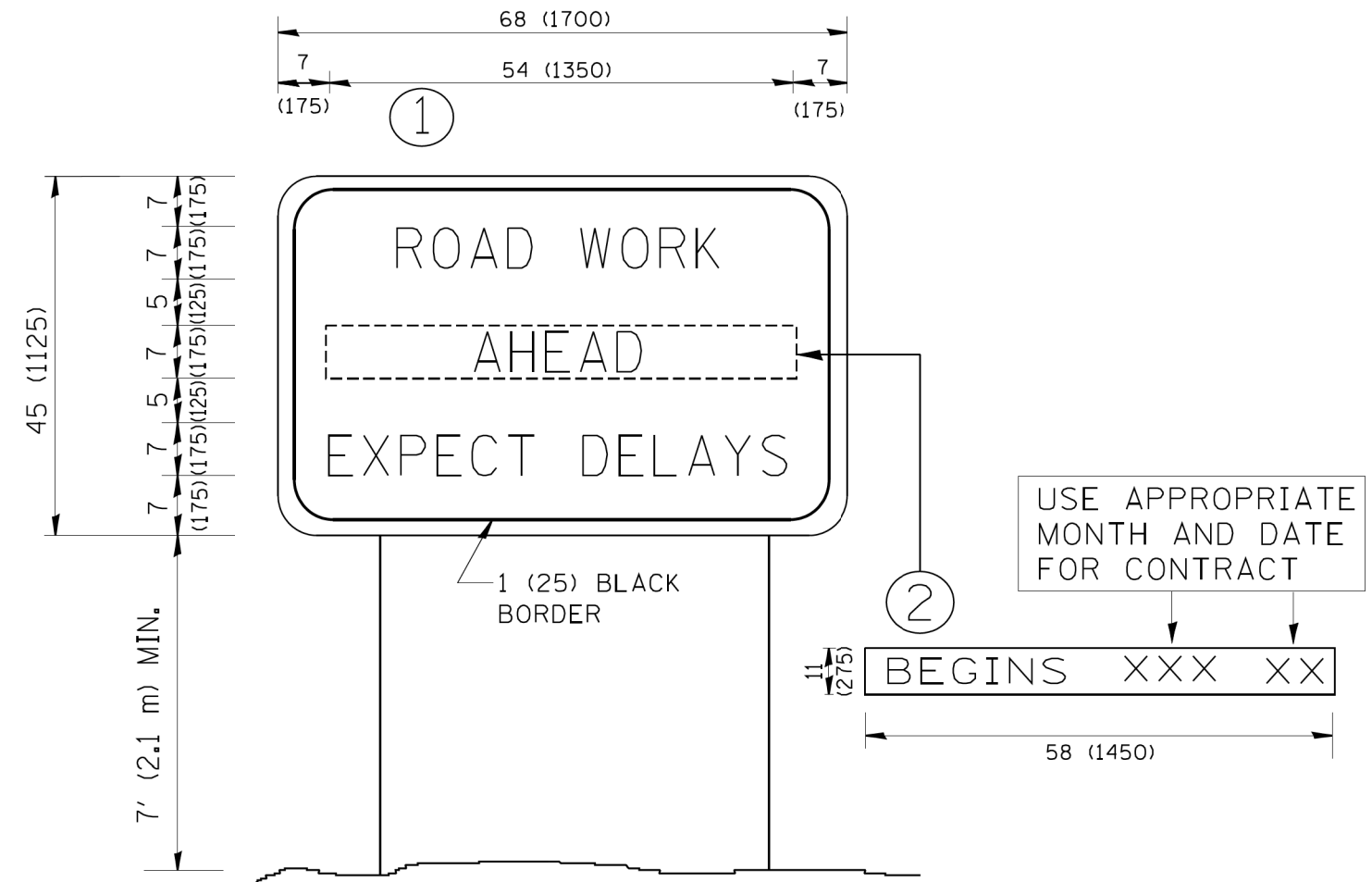
* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

FILE NAME =	USER NAME = d-ivakosgn	DESIGNED -	REVISED - 10-18-02
c:\p\work\PWID01\DRIVAKOSGN\0108315\1421.dgn		DRAWN -	REVISED - R. BORO 09-14-09
		PLOT SCALE = 49.9999' / IN.	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR SIGNING FOR CLOSING STATE HIGHWAYS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	64
TC-21		CONTRACT NO.	61F19	
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.

FILE NAME = W:\diststd\22x34\tc22.dgn	USER NAME = gegl.enobt	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

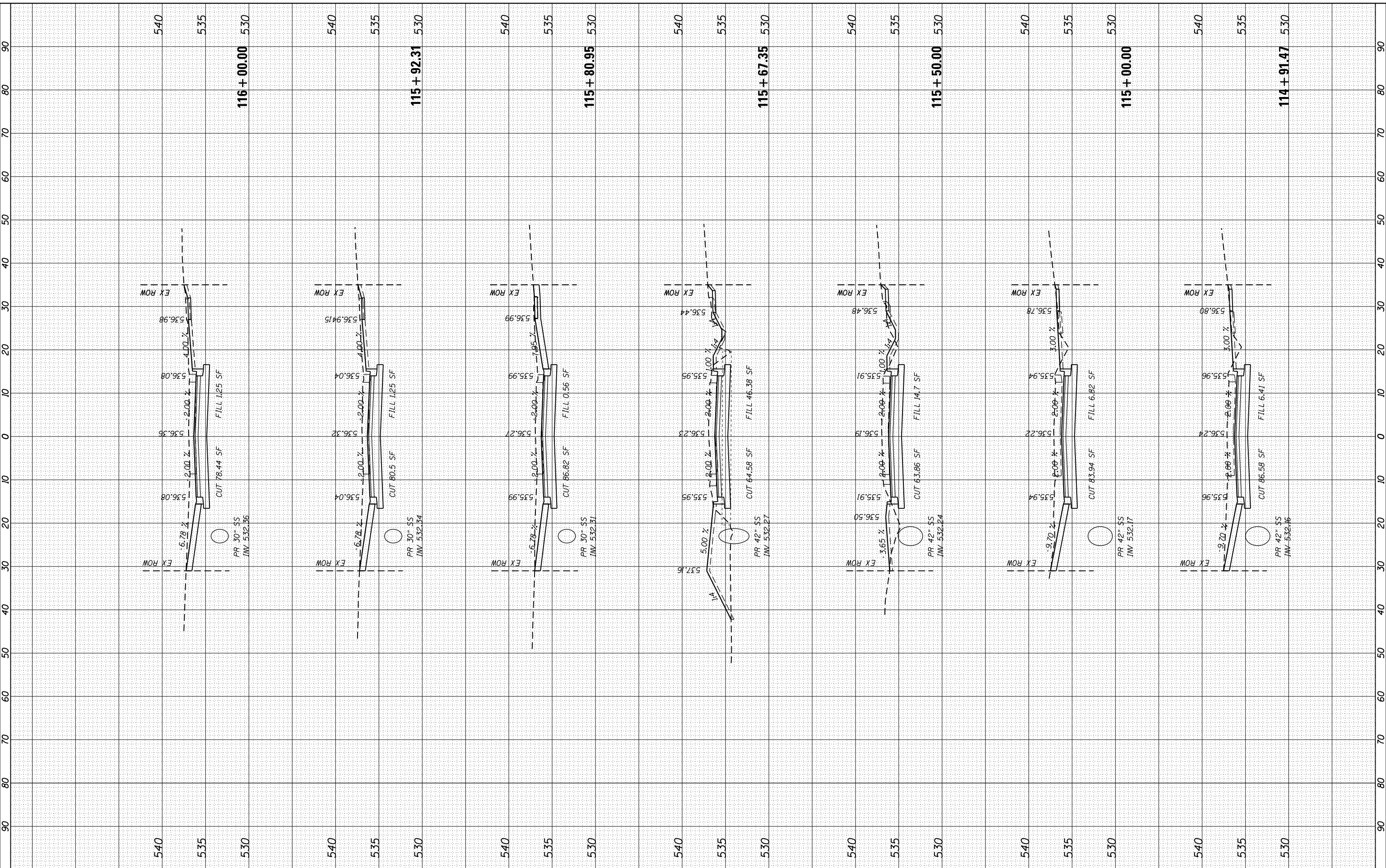
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	65
TC-22		CONTRACT NO. 61F19		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FINIAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

FILE NAME = SA:\DL 6480 - 6497\6427\105\Average\CAD\Micros\CADD_Sheets\012345-sh1-x-sh1.dgn



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
STRAND ASSOCIATES® (815) 744-4200

USER NAME = JakeSc
MODEL NAME = Default
PLOT SCALE = 20.0000' / in.
PLOT DATE = 8/29/2018

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DOVE DRIVE CROSS SECTIONS

SCALE: 10'-H 5'-V SHEET 1 OF 9 SHEETS STA. 114+91.47 TO STA. 116+00.00

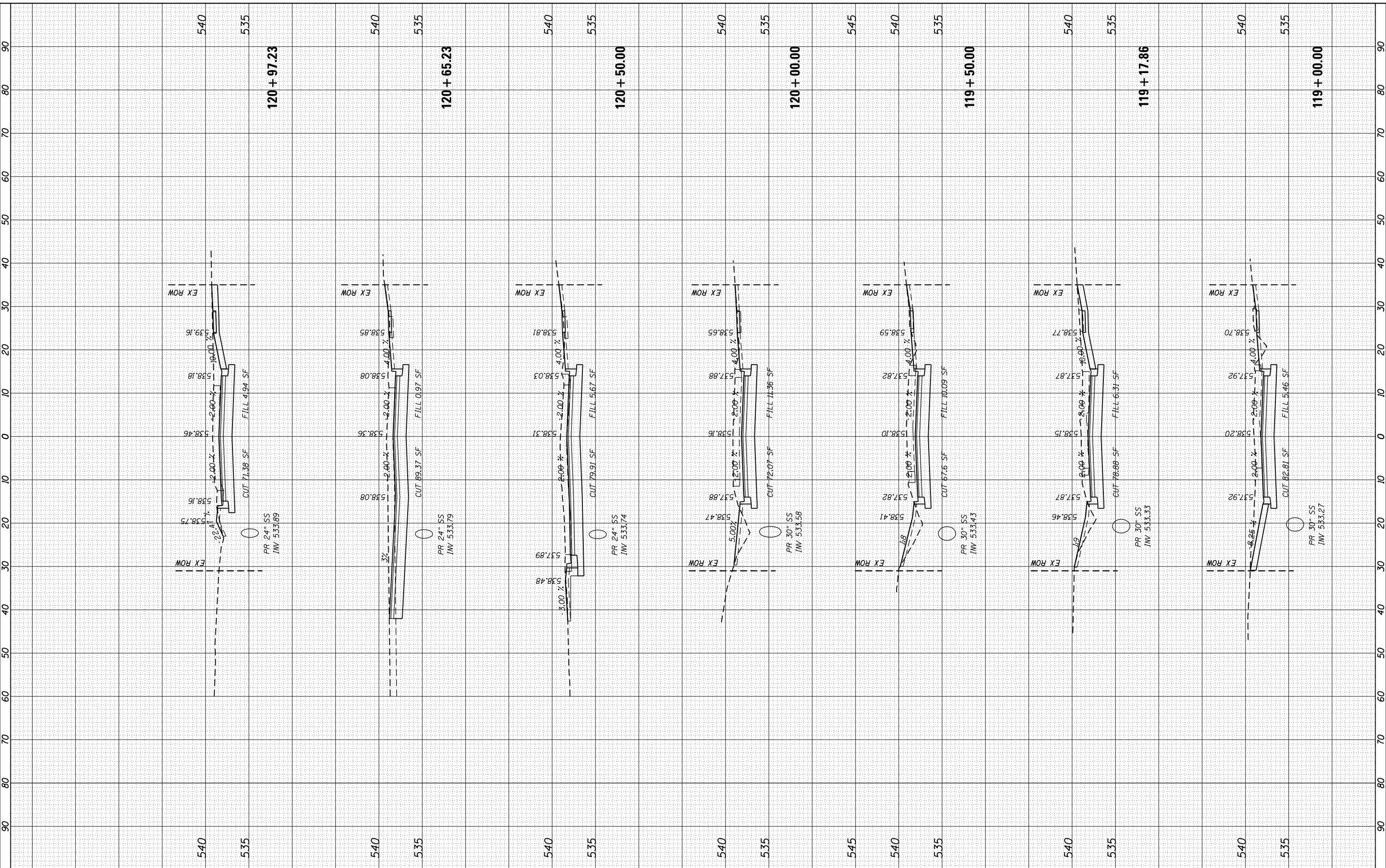
MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	69
CONTRACT NO. 61F19				

ILLINOIS FED. AID PROJECT

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

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

FILE NAME = SA:\DL 6480 - 6497\6427\105\Drawings\CAD\Micros\CADD_Sheets\012345-sh1-xsh1.dgn



STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = JakeSc
 MODEL NAME = Default
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 8/29/2018

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DOVE DRIVE CROSS SECTIONS

SCALE: 10-H 5-V SHEET 1 OF 9 SHEETS STA. 119+00.00 TO STA. 120+97.23

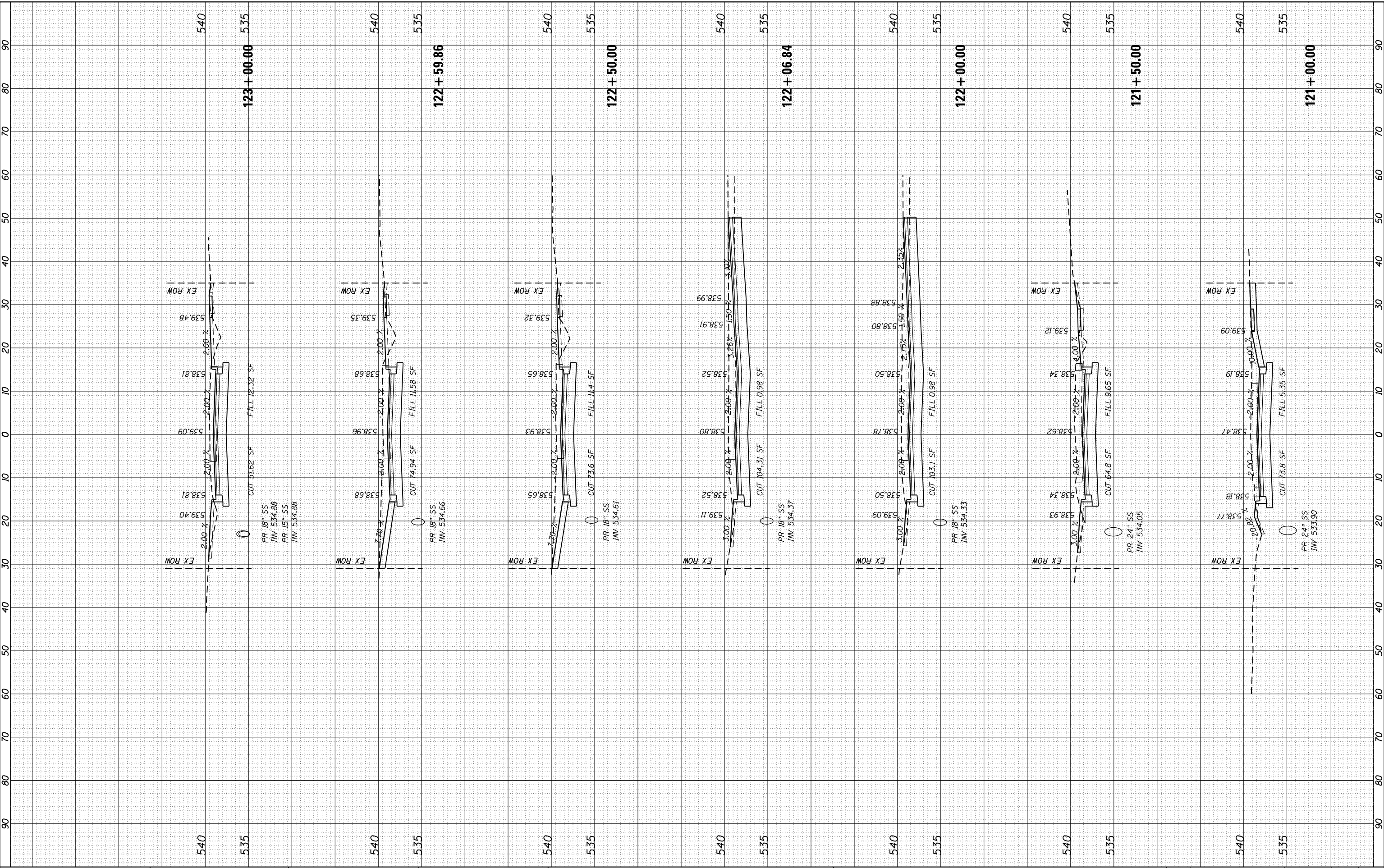
MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	71
CONTRACT NO. 61F19				

ILLINOIS FED. AID PROJECT

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

FILE NAME = SA:\DL 6480 - 6491\6427\105\Drawings\CAD\MicroStation\02345-sh1-x-sh1.dgn



STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = JakeSc
MODEL NAME = Default
PLOT SCALE = 20.0000' / in.
PLOT DATE = 8/29/2018

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DOVE DRIVE CROSS SECTIONS

SCALE: 10'-H 5'-V SHEET 1 OF 9 SHEETS STA. 121+00.00 TO STA. 123+00.00

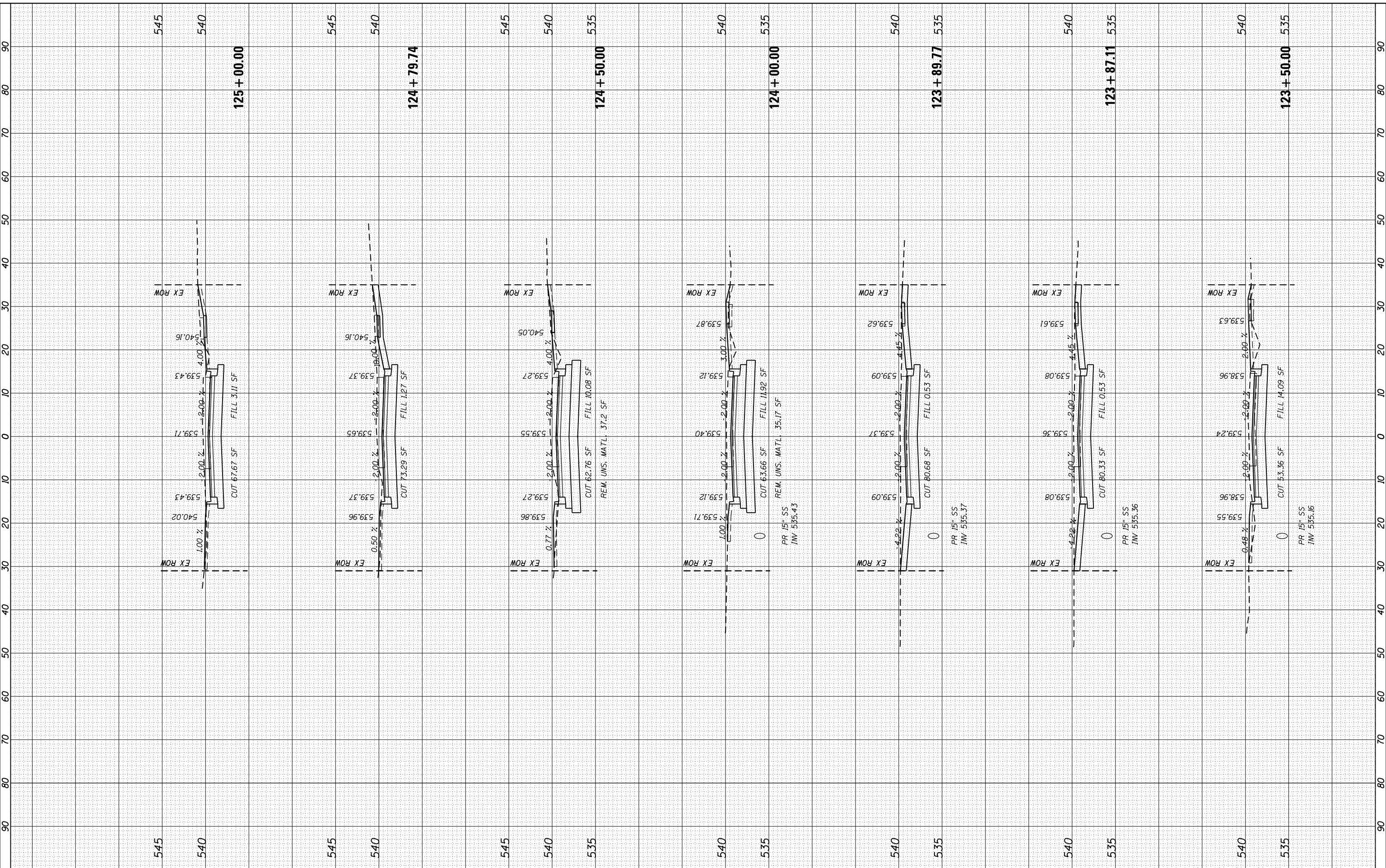
MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5080	16-00025-00-FP	WILL	74	72
CONTRACT NO. 61F19				

ILLINOIS FED. AID PROJECT

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

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

FILE NAME = SA:\DL 6480 - 6497\6427\105\Drawings\CAD\Micros\CADD_Sheets\012345-sh1-xsh1.dgn



STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = JakeSc	DESIGNED -	REVISD -
MODEL NAME = Default	DRAWN -	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISD -
PLOT DATE = 8/29/2018	DATE -	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DOVE DRIVE CROSS SECTIONS

SCALE: 10'-H 5'-V SHEET 1 OF 9 SHEETS STA. 123+50.00 TO STA. 125+00.00

MUN 5080	SECTION 16-00025-00-FP	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 73
CONTRACT NO. 61F19			ILLINOIS FED. AID PROJECT	

