173

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)I	WILL	100	1
	ILLINOIS	CONTRACT NO. 60V40		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

FAU ROUTE 297 : US RTE 6 (MAPLE RD)
AT GOUGAR ROAD
SECTION 33N-2(12)
PROJECT: CMAQ-STP-1YJA(627)
INTERSECTION RECONSTRUCTION, TRAFFIC SIGNAL, LIGHTING
WILL COUNTY

C-91-559-12

FOR INDEX OF SHEETS, SEE SHEET NO. 2

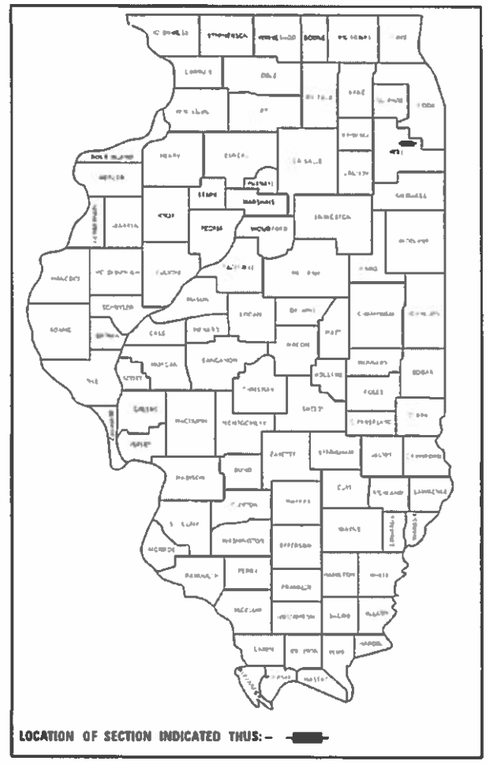
PROJECT IS LOCATED IN THE CITY OF JOLIET AND VILLAGE OF NEW LENOX

TRAFFIC DATA:

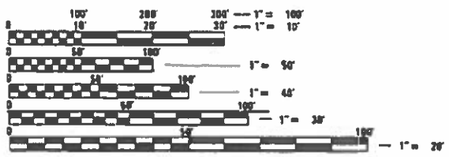
US RTE 6
2017 ADT = 14,100
SPEED LIMIT = 50 MPH

GOUGAR RD:
2018 ADT = 9,350
SPEED LIMIT = 45 MPH

D-91-559-12



LOCATION OF SECTION INDICATED THUS: –



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

R 11 E

NEW LENOX TOWNSHIP

GOUGAR RD PROJECT ENDS STA 106+50

US RTE 6 PROJECT START STA 193+00

US RTE 6 PROJECT ENDS STA 209+00

GOUGAR RD PROJECT START STA 93+70

US ROUTE 6: GROSS LENGTH = 1600 FEET (1/4 MILE)
NET LENGTH = 1600 FEET

GOUGAR ROAD: GROSS LENGTH = 1300 FEET (1/4 MILE)
NET LENGTH = 1300 FEET

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED December 6 20 19
Anthony J. Quigley
REGIONAL ENGINEER
March 20 20 20
ENGINEER OF DESIGN AND ENVIRONMENT
March 20 20 20
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PROJECT ENGINEER: VESELIN VELICHKOV (847) 705-4432
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 60V40

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REV. 3/11/20

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LIST OF STATE STANDARDS:

STANDARD NO.	DESCRIPTION
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280001-07	TEMPORARY EROSION CONTROL SYSTEM
406201-01	MAILBOX TURNOUT
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
482011-03	HMA SHLD, STRIPS / SHLDS, WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
542001-06	CONCRETE END SECTIONS FOR PIPE CULVERTS
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542311-07	TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTION
602001-02	CATCH BASIN TYPE A
602301-04	INLET TYPE A
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602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604001-05	FRAME AND LIDS TYPE 1
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701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24'' (600 mm) FROM PAVEMENT EDGE
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701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS DAY ONLY
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING OPERATIONS FOR SPEED >= 45 MPH
701336-07	LANE CLOSURE, 2L, 2W, WORK AREA IN SERIES FOR SPEEDS >= 45 MPH
701801-06	SIDEWALK, CORNER, OR CROSSWALK CLOSURE
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725001-01	OBJECT AND TERMINAL MARKERS
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814001-03	HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
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878001-10	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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STANDARDS, AND GENERAL NOTES

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-12(2)	WILL	100	2
		CONTRACT NO. 60V40		
		ILLINOIS FED. AID PROJECT		

GENERAL NOTES:

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES, (48 HOURS NOTIFICATION IS REQUIRED).

2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND WILL COUNTY AND THE VILLAGE OF NEW LENOX AND THE CITY OF JOLIET.

3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

4. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

5. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

6. WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1-1/2 INCHES (40 mm) WHERE THE SPEED LIMIT IS 40 MPH (80 km/h) OR LESS AND 1 INCH (25 mm) WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH (80 km/h). WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 mm) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H)

7. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

8. THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.

9. ANY DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

10. ALL PAVEMENT PATCHING LOCATIONS IN ADDITION TO THE PATCH IN THE NORTH LIMIT IN GOUGAR ROAD WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

11. DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

12. FOR FRAMES AND LIDS ADJUSTMENT WITHOUT MILLING, REUSE EXISTING FRAMES AND LIDS UNLESS OTHERWISE SPECIFIED IN THE PLANS.

13. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE PROJECT LIMITS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.

14. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKING ON ALL FINAL SURFACES. THE COST OF THE PAVEMENT MARKING TAPE, TYPE III SHALL BE INCLUDED IN THE COST OF SHORT TERM PAVEMENT MARKING. THE COST FOR ITS REMOVAL SHALL BE INCLUDED IN SHORT TERM PAVEMENT MARKING REMOVAL.

15. THE CONTRACTOR SHALL CONTACT THE DISTRICT TRAFFIC CONTROL SUPERVISOR AT (847)705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

16. THE RESIDENT ENGINEER SHALL CONTACT ERIC CAMPOS, IDOT'S AREA TRAFFIC FIELD ENGINEER FOR WILL COUNTY, VIA E-MAIL AT ERIC.CAMPOS@ILLINOIS.GOV, OR AT (815)485-6475, A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

17. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM AND FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.

18. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

19. FOR STORM SEWER CONSTRUCTED UNDER ROADWAY, BACKFILLING METHODS TWO AND THREE AUTHORIZED UNDER PROVISIONS OF ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS WILL NOT BE ALLOWED.

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

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

22. SUBSURFACE INVESTIGATION ENCOUNTERED UNSUITABLE/UNSTABLE SOILS ON US-6 BETWEEN STA 195+50 TO STA 198+00 AND ON GOUGAR ROAD BETWEEN STA 102+00 TO STA 105+00. IF UNSUITABLE/UNSTABLE SOILS ARE ENCOUNTERED DURING CONSTRUCTION, THEY SHOULD BE REPLACED WITH MATERIAL THAT MEETS THE DISTRICT ONE AGGREGATE SUBGRADE IMPROVEMENT SPECIAL PROVISION (REVISED MARCH 3, 2015). THE MATERIAL USED FOR UNDERCUT REPLACEMENT IS A CUBIC YARD PAY ITEM. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT SHOULD BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER OR SOILS INSPECTOR. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITHA A CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.14 OF THE STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION (SSRBC) ADOPTED JANUARY 1, 2016 AND THE UNDERCUT GUIDELINS IN THE IDOT SUBGRADE STABILITY MANUAL. ANY MATERIAL NOT NEEDED AT THE TIME OF CONSTRUCTION FOR UNDERCUT REPLACEMENT SHOULD BE DELETED FROM THE CONTRACT WITH NO EXTRA COMPENSATION TO THE CONTRACTOR.

23. ALL PIPE UNDERDRAINS SHALL BE PLACED AT A DEPTH OF 30" BELOW THE TOP OF THE PROPOSED PAVEMENT OR AS DEEP AS POSSIBLE AND IN ACCORDANCE WITH CHECK SHEET #19 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONA. THE COST OF MAKING PIPE UNDERDRAIN CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF PIPE UNDERDRAINS ITEM.

24. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

25. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES.

26. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEMS SUCH AS FOUNDATION, CONDUIT, HANHOLE, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACE SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT ETC, SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS 250 AND 252 RESPECTIVELY.

27. IF THIS CONTRACT REQUIRES THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS/HER OWN EXPENSE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES PRIOR TO PERFORMING ANY WORK, IF THIS CONTRACT DOES NOT REQUIRE THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR MAY REQUEST ONE FREE LOCATE FOR EXISTING IDOT ELECTRICAL FACILITY FROM THE DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR PRIOR TO THE START OF ANY WORK. ADDITIONAL REQUESTS SHALL BE AT THE EXPENSE OF THE CONTRACTOR. THE LOCATIONS OF UNDERGROUND TRAFFIC FACILITIES DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.

28. THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.

29. THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPERS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE / WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION II.G.1 AND 2 OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION EILL BE ALLOWED.

30. THE INSTALLATION AND CONNECTION OF A PROPOSED STRUCTURE (CATCH BASIN/MANHOLE/INLET) OVER AN EXISTING STORM SEWER AND/OR A PROPOSED STORM SEWER CONNECTION TO AN EXISTING STRUCTURE, AND THE REMOVAL WORK REQUIRED TO MAKE THE CONNECTION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE ITEM BEING INSTALLED.

31. THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMJT AN IN-STREAM WORK PLAN TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED WITH THE EXCEPTION OF COFFERDAMS WHICH WILL BE PAID FOR AS COFFERDMAN (TYPE 1) (IN-STREAM /WETLAND WORK) WITH A BASIS OF PAYMENT OF EACH.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-12(2)	WILL	100	3
		CONTRACT NO. 60V40		
		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0004 FED 80% ST 20% CMAQ	0021 FED 80% ST 10% JOL. 10% CMAQ	0021 NEW LENOX 100% EVP	0021 CMAQ FED 80% ST 10% N. LEN 5% WILL 5%	0021 JOLIET 50% N. LENOX 50%	0021 FED 80% ST 20% STP
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	1330	1330					
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	594	594					
	20101000	TEMPORARY FENCE	FOOT	2920	2920					
	20200100	EARTH EXCAVATION	CU YD	3540	3540					
*	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	875	875					
	20400800	FURNISHED EXCAVATION	CU YD	2250	2250					
	20800150	TRENCH BACKFILL	CU YD	149	149					
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	505	505					
	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	4210	4210					
	21400100	GRADING AND SHAPING DITCHES	FOOT	500	500					
*	25000210	SEEDING, CLASS 2A	ACRE	0.8	0.8					
*	25000310	SEEDING, CLASS 4	ACRE	1.17	1.17					
*	25000314	SEEDING, CLASS 4B	ACRE	0.15	0.15					
*	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	134	134					
*	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	134	134					
*	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	134	134					
*	25100630	EROSION CONTROL BLANKET	SQ YD	6910	6910					
*	25200110	SODDING, SALT TOLERANT	SQ YD	3350	3350					
*	25200200	SUPPLEMENTAL WATERING	UNIT	20	20					
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	212	212					
	28000305	TEMPORARY DITCH CHECKS	FOOT	658	658					
	28000400	PERIMETER EROSION BARRIER	FOOT	2710	2710					
	28000500	INLET AND PIPE PROTECTION	EACH	17	17					
	28100107	STONE RIPRAP, CLASS A4	SQ YD	318	318					
	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	875	875					
	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	6690	6690					
*	31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	865	865					
	31102000	SUBBASE GRANULAR MATERIAL, TYPE C	CU YD	430	430					
	35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	298	298					
	35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	3370	3370					
	35600700	HOT-MIX ASPHALT BASE COURSE WIDENING, 6"	SQ YD	818	818					

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 6 AT GOUGAR ROAD
SUMMARY OF QUANTITIES

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-12(2)	WILL	100	4
		CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

REV. 3/13/20

SUMMARY OF QUANTITIES

	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0004 FED 80% ST 20% CMAQ	0021 FED 80% ST 10% JOL. 10% CMAQ	0021 NEW LENOX 100% EVP	0021 CMAQ FED 80% ST 10% N. LEN 5% WILL 5%	0021 JOLIET 50% N. LENOX 50%	0021 FED 80% ST 20% STP
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	7750	7750					
	40600400	MIXTURE FOR CRACKS, JOINTS, AND	TON	24	24					
		FLANGEWAYS								
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT	SQ YD	440	440					
		JOINT								
	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0,	TON	30.4	30.4					
		N50								
	40603090	HOT-MIX ASPHALT BINDER COURSE, IL-19.0,	TON	1010	1010					
		N90								
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5,	TON	35.2	35.2					
		MIX "D", N50								
	40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE	TON	816	816					
		COURSE, IL-9.5, MIX "E", N70								
	42001300	PROTECTIVE COAT	SQ YD	937	805	132				
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	3760	2570	1190				
*	42400800	DETECTABLE WARNINGS	SQ FT	142	142					
	44000100	PAVEMENT REMOVAL	SQ YD	217	217					
	44000151	HOT-MIX ASPHALT SURFACE REMOVAL, 1/2"	SQ YD	8010	8010					
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	70.3	70.3					

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0004 FED 80% ST 20% CMAQ	0021 FED 80% ST 10% JOL. 10% CMAQ	0021 NEW LENOX 100% EVP	0021 CMAQ FED 80% ST 10% N. LEN 5% WILL 5%	0021 JOLIET 50% N. LENOX 50%	0021 FED 80% ST 20% STP
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1490	1490					
44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	122	122					
44201823	CLASS D PATCHES, TYPE I, 15 INCH	SQ YD	5.96	5.96					
44201827	CLASS D PATCHES, TYPE II, 15 INCH	SQ YD	62	62					
44201833	CLASS D PATCHES, TYPE IV, 15 INCH	SQ YD	90.1	90.1					
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	5560	5560					
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	56.1	56.1					
48203022	HOT-MIX ASPHALT SHOULDERS, 6 1/4"	SQ YD	2430	2430					
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1						1
50102400	CONCRETE REMOVAL	CU YD	13.6						13.6
50105220	PIPE CULVERT REMOVAL	FOOT	162	162					
50200100	STRUCTURE EXCAVATION	CU YD	13.7						13.7
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3730						3730
54002020	EXPANSION BOLTS 3/4 INCH	EACH	24						24
54003000	CONCRETE BOX CULVERTS	CU YD	31.4						31.4

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 6 AT GOUGAR ROAD
SUMMARY OF QUANTITIES

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-12(2)	WILL	100	5
		CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

REV. 3/13/20

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0004 FED 80% ST 20% CMAQ	0021 FED 80% ST 10% JOL. 10% CMAQ	0021 NEW LENOX 100% EVP	0021 CMAQ FED 80% ST 10% N. LEN 5% WILL 5%	0021 JOLIET 50% N. LENOX 50%	0021 FED 80% ST 20% STP
54213657	PRECAST REINFORCED CONCRETE FLARED END	EACH	1	1					
	SECTIONS 12"								
54260315	TRAVERSABLE PIPE GRATE FOR CONCRETE END	FOOT	32.8	32.8					
	SECTION								
54261618	CONCRETE END SECTION, STANDARD 542001,	EACH	1	1					
	18", 1:6								
54261636	CONCRETE END SECTION, STANDARD 542001,	EACH	1	1					
	36", 1:6								
542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	72	72					
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	236	236					
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	47.5	47.5					
55100500	STORM SEWER REMOVAL 12"	FOOT	58	58					
55100900	STORM SEWER REMOVAL 18"	FOOT	87	87					
55101200	STORM SEWER REMOVAL 24"	FOOT	91	91					
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	60	60					
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	720	720					
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	5870	5870					

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60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE	EACH	5	5					
	1 FRAME, OPEN LID								
60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME,	EACH	2	2					
	OPEN LID								
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1	EACH	6	6					
	FRAME, CLOSED LID								
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	4	4					
60500040	REMOVING MANHOLES	EACH	2	2					
60500050	REMOVING CATCH BASINS	EACH	3	3					
60500060	REMOVING INLETS	EACH	1	1					
60500070	REMOVING MANHOLES TO MAINTAIN FLOW	EACH	1	1					
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	3.78	3.78					
60603800	COMBINATION CONCRETE CURB AND GUTTER,	FOOT	1070	1070					
	TYPE B-6.12								
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9	FOOT	449	449					
	FOOT POSTS								
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	4	4					
	(SPECIAL) TANGENT								

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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SUMMARY OF QUANTITIES

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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-12(2)	WILL	100	6
		CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0004 FED 80% ST 20% CMAQ	0021 FED 80% ST 10% JOL. 10% CMAQ	0021 NEW LENOX 100% EVP	0021 CMAQ FED 80% ST 10% N. LEN 5% WILL 5%	0021 JOLIET 50% N. LENOX 50%	0021 FED 80% ST 20% STP
*	63301990	REMOVE AND REERECT TRAFFIC BARRIER	EACH	2	2					
		TERMINALS, TYPE 1								
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	5200	5200					
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	4	4					
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION	LSUM	1	1					
		PLAN								
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	4	4					
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION	LSUM	1	1					
		REPORT								
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6					
	67100100	MOBILIZATION	L SUM	1	1					
‡	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	60				60		
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	4190	4190					
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	12200	12200					
‡	70300210	TEMPORARY PAVEMENT MARKING LETTERS AND	SQ FT	292	292					
		SYMBOLS								
‡	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	12300	12300					
‡	70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1630	1630					

SUMMARY OF QUANTITIES

	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0004 FED 80% ST 20% CMAQ	0021 FED 80% ST 10% JOL. 10% CMAQ	0021 NEW LENOX 100% EVP	0021 CMAQ FED 80% ST 10% N. LEN 5% WILL 5%	0021 JOLIET 50% N. LENOX 50%	0021 FED 80% ST 20% STP
‡	70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	247	247					
‡	70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	138	138					
	70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	1400	1400					
‡	70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	45400	45400					
‡	70300924	PAVEMENT MARKING TAPE, TYPE IV 24"	FOOT	268	268					
‡	70400100	TEMPORARY CONCRETE BARRIER	FOOT	2590	2590					
‡	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	3430	3430					
‡	70500100	TEMPORARY STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	215	215					
‡	70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	8	8					
‡	70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	16	16					
*	72000100	SIGN PANEL - TYPE 1	SQ FT	15				15		
*	72000200	SIGN PANEL - TYPE 2	SQ FT	22.5				22.5		
*	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	6	6					
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	292	292					

* SPECIALTY ITEM

REV-SEP

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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SUMMARY OF QUANTITIES

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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-12(2)	WILL	100	7
		CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

REV. 3/13/20

SUMMARY OF QUANTITIES

	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0004 FED 80% ST 20% CMAQ	0021 FED 80% ST 10% JOL. 10% CMAQ	0021 NEW LENOX 100% EVP	0021 CMAQ FED 80% ST 10% N. LEN 5% WILL 5%	0021 JOLIET 50% N. LENOX 50%	0021 FED 80% ST 20% STP
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	12300	12300					
		4"								
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	1630	1630					
		6"								
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	247	247					
		12"								
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	138	138					
		24"								
	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	188	188					
*	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	10	10					
*	78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	215	215					
	78300200	RAISED REFLECTIVE PAVEMENT MARKER	EACH	49	49					
		REMOVAL								
*	80400100	ELECTRIC SERVICE INSTALLATION	EACH	1					1	
*	80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1					1	
*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL,	FOOT	735				735		
		2" DIA.								
*	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL,	FOOT	198				198		
		3" DIA.								

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	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0004 FED 80% ST 20% CMAQ	0021 FED 80% ST 10% JOL. 10% CMAQ	0021 NEW LENOX 100% EVP	0021 CMAQ FED 80% ST 10% N. LEN 5% WILL 5%	0021 JOLIET 50% N. LENOX 50%	0021 FED 80% ST 20% STP
*	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL,	FOOT	649				433	216	
		4" DIA.								
*	81400100	HANDHOLE	EACH	2				2		
*	81400200	HEAVY-DUTY HANDHOLE	EACH	2				2		
*	81400300	DOUBLE HANDHOLE	EACH	2				2		
*	81603110	UNIT DUCT, 600V, 4-1C NO.4, 1/C NO.6	FOOT	2220					2220	
		GROUND, (XLP-TYPE USE), 1 1/2" DIA.								
		POLYETHYLENE								
*	81702180	ELECTRIC CABLE IN CONDUIT, 600V	FOOT	120					120	
		(XLP-TYPE USE) 1/C NO. 3/0								
*	82500370	LIGHTING CONTROLLER, BASE MOUNTED,	EACH	1					1	
		240VOLT, 200AMP								
*	83007500	LIGHT POLE, ALUMINUM, 35 FT. M.H., 12	EACH	19					19	
		FT. MAST ARM								
*	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	152					152	
*	83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15	EACH	19					19	
		INCH BOLT CIRCLE								
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	1380				1380		
		14 2C								

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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SUMMARY OF QUANTITIES

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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-12(2)	WILL	100	8
		CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0004 FED 80% ST 20% CMAQ	0021 FED 80% ST 10% JOL. 10% CMAQ	0021 NEW LENOX 100% EVP	0021 CMAQ FED 80% ST 10% N. LEN 5% WILL 5%	0021 JOLIET 50% N. LENOX 50%	0021 FED 80% ST 20% STP
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	1730				1730		
		14 3C								
*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	765				765		
		14 5C								
*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	2420				2420		
		14 7C								
*	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO.	FOOT	1130				1130		
		14 1 PAIR								
*	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO.	FOOT	170				170		
		6 2 C								
*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT	FOOT	940				940		
		GROUNDING CONDUCTOR, NO. 6 1C								
*	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL	EACH	4				4		
		16 FT.								
*	87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1				1		
*	87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	2				2		
*	87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1				1		
*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20				20		
*	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4				4		

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*	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH	FOOT	13.5				13.5		
		DIAMETER								
*	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH	FOOT	39				39		
		DIAMETER								
*	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION,	EACH	2				2		
		MAST-ARM MOUNTED								
*	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION,	EACH	2				2		
		BRACKET MOUNTED								
*	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION,	EACH	6				6		
		BRACKET MOUNTED								
*	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION,	EACH	6				6		
		MAST-ARM MOUNTED								
*	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE,	EACH	8				8		
		BRACKET MOUNTED WITH COUNTDOWN TIMER								
*	88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED,	EACH	8				8		
		FORMED PLASTIC								
*	88500100	INDUCTIVE LOOP DETECTOR	EACH	4				4		
*	88600100	DETECTOR LOOP, TYPE I	FOOT	280				280		
*	88700200	LIGHT DETECTOR	EACH	2			2			
*	88700300	LIGHT DETECTOR AMPLIFIER	EACH	1			1			

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DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 6 AT GOUGAR ROAD
SUMMARY OF QUANTITIES

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-12(2)	WILL	100	9
		CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

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*	88800100	PEDESTRIAN PUSH-BUTTON	EACH	8				8		
*	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1				1		
*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1				1		
*	A2005614	TREE, OSTRYA VIRGINIANA (AMERICAN HOPHORNBEAM), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	10	10					
*	A2006716	TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	6	6					
*	A2007116	TREE, QUERCUS RUBRA (RED OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	5	5					
*	C2012748	SHRUB, VIBURNUM PRUNIFOLIUM (BLACKHAW VIBURNUM), 4' HEIGHT, BALLED AND BURLAPPED	EACH	31	31					
*	C2C05824	SHRUB, RHUS AROMATICA GRO-LOW (GRO-LOW FRAGRANT SUMAC), 2' WIDTH, CONTAINER	EACH	200	200					
*	C2C09624	SHRUB, SAMBUCUS CANADENSIS (AMERICAN ELDER), 2' HEIGHT, CONTAINER	EACH	60	60					
*	K0013030	PERENNIAL PLANTS, WETLAND TYPE, 2" DIAMETER BY 4" DEEP PLUG	UNIT	12	12					
*	K0026850	PERENNIAL PLANT CARE	SQ YD	400	400					

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*	K0029614	WEED CONTROL, AQUATIC	GALLON	1	1					
*	K0029634	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	15	15					
*	K1005465	SELECTIVE MOWING STAKES	EACH	9	9					
*	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	320			320			
	X0327301	RELOCATE EXISTING MAILBOX	EACH	2	2					
	X0900075	COFFERDAM (TYPE 1) (IN-STREAM/WETLAND WORK)	EACH	2	2					
*	X1400107	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET	EACH	1				1		
*	X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1				1		
*	X1400201	RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	2				2		
	X2510635	HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL	SQ YD	3350	3350					
	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	2	2					
	X4400110	TEMPORARY PAVEMENT REMOVAL	SQ YD	986	986					

* SPECIALTY ITEM

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	X5509900	ABANDON AND FILL EXISTING STORM SEWER	FOOT	204	204					
	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	3	3					
⁝	X7010216	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	1					
		(SPECIAL)								
	X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	5750	5750					
⁝	X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	1520	1520					
✳	X8211125	LUMINAIRE, LED, HORIZONTAL MOUNT,	EACH	19					19	
		SPECIAL								
✳	X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1				1		
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1					
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	103	103					
	Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS)	FOOT	155	155					
		12 INCH								
	Z0056614	STORM SEWER (WATER MAIN REQUIREMENTS)	FOOT	205	205					
		21 INCH								
	Z0056618	STORM SEWER (WATER MAIN REQUIREMENTS)	FOOT	75.8	75.8					
		27 INCH								
	Z0056622	STORM SEWER (WATER MAIN REQUIREMENTS)	FOOT	487	487					
		36 INCH								

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	Z0062456	TEMPORARY PAVEMENT	SQ YD	865	865					
Ø	Z0076600	TRAINEES	HOUR	500	500					
Ø	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500					

Ø 0042

✳ SPECIALTY ITEM

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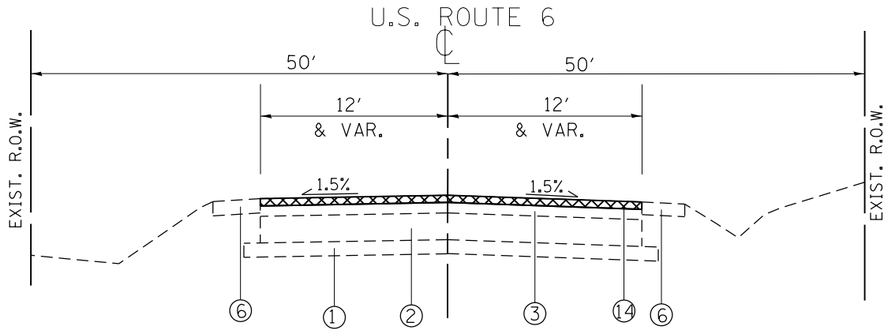
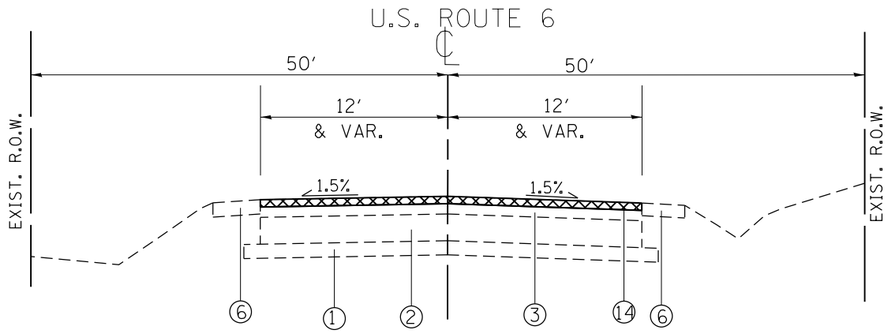
297	33N-12(2)	WILL	100	11
		CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

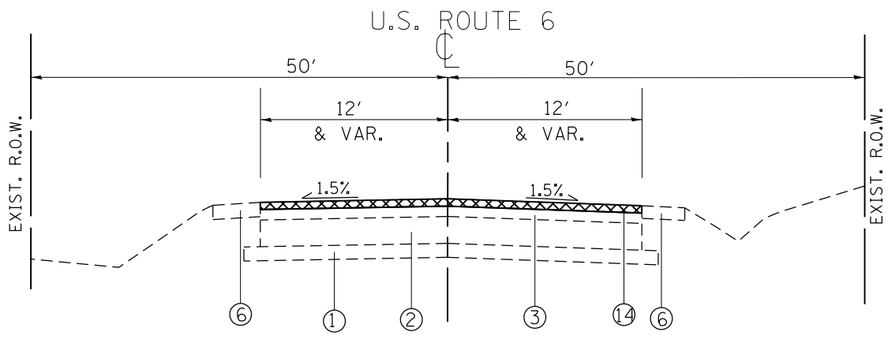
REV. - MS REV. 3/13/20



TYPICAL EXISTING SECTION
U.S. ROUTE 6
FROM STA 193+00 TO STA 200+00



TYPICAL EXISTING SECTION
U.S. ROUTE 6
FROM STA 200+00 TO STA 203+00



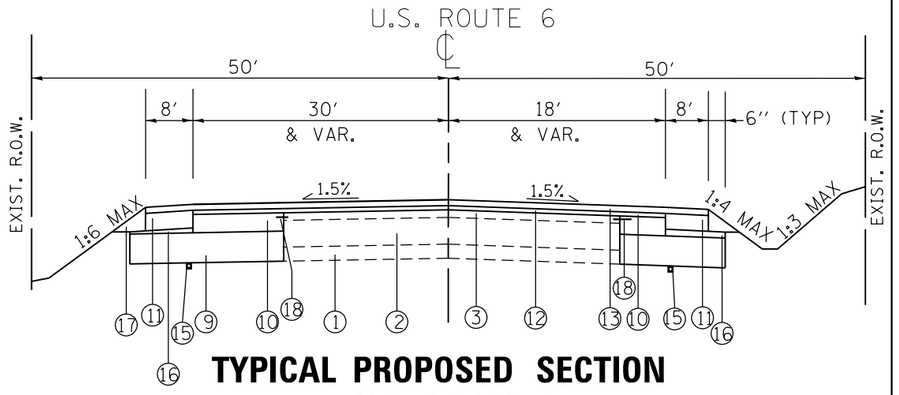
TYPICAL EXISTING SECTION
U.S. ROUTE 6
FROM STA 203+00 TO STA 209+00

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS (%) @ NDES	
US-6 & GOUGAR RD RESURFACING AND WIDENING		
POLYMERIZED HMA SURFACE COURSE MIX "E", N70, (IL 9.5mm), 1¾"	4% @ 70 GYR.	QCP
HMA BINDER COURSE IL-19.0, N90, 2¼"	4% @ 90 GYR.	QCP
HMA BASE COURSE WIDENING (HMA BINDER IL-19.0), 6" FOR WIDTHS LESS OR EQUAL TO 6 FT	4% @ 90 GYR.	QCP
HMA BASE COURSE (HMA BINDER IL-19.0), 6" FOR WIDTHS GREATER THAN 6 FT	4% @ 90 GYR.	QCP
US-6 SHOULDER PAVEMENT		
POLYMERIZED HMA SURFACE COURSE MIX "E", N70, (IL 9.5mm), 1¾"	4% @ 70 GYR.	QCP
HMA SHOULDER (HMA BINDER IL19.0, 6¼")	4% @ 90 GYR.	QCP
US-6 & GOUGAR RD TEMPORARY PAVEMENT		
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 8"	4% @ 70 GYR.	QC/QA
PATCHING		
CLASS D PATCHES 6" & 15" (HMA BINDER IL-19 MM)	4% @ 70 GYR.	QC/QA
DRIVEWAYS		
HMA SURFACE MIX D, N50 (IL-9.5MM), 2" (F.E. & P.E.)	4% @ 50 GYR.	QC/QA
HMA BASE COURSE, 6" (HMA BINDER IL-19.0), N50 (P.E.)	4% @ 50 GYR.	QC/QA
BIKE TRAIL		
HMA SURFACE MIX D, N50 (IL-9.5MM), 1½"	4% @ 50 GYR.	QC/QA
HMA BINDER COURSE IL-19.0, N50, 2½"	4% @ 50 GYR.	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) QUALITY CONTROL FOR PERFORMANCE (QCP)		

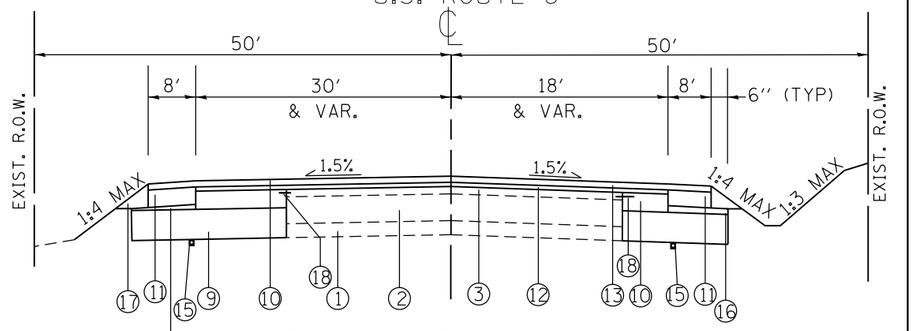
NOTE:

SEE NEXT SHEET FOR HMA CHART NOTES

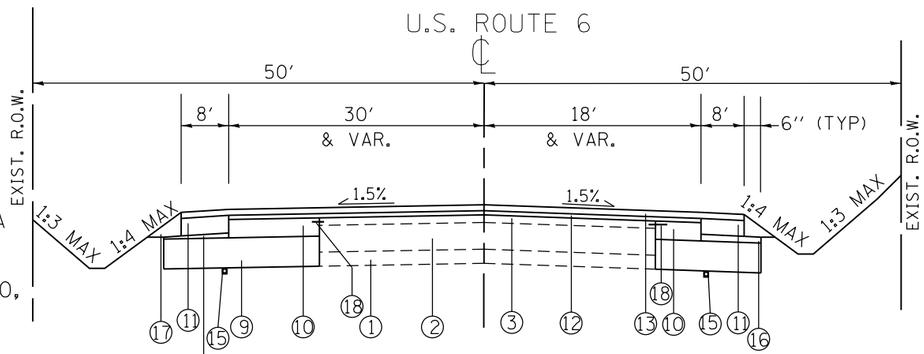
1. EXIST AGGREGATE SUBGRADE
2. EXIST PCC PAVEMENT (9" & VAR)
3. EXIST HMA PAVEMENT (6" & VAR)
4. EXIST HMA PAVEMENT (8")
5. EXIST HMA PAVEMENT (4")
6. EXIST HMA SHOULDERS
7. EXIST B-6.12 CURB AND GUTTER
8. PROP. B-6.12 CURB AND GUTTER
9. PROP. AGGREGATE SUBGRADE IMPROVEMENT, (12")
10. PROP. HMA BASE COURSE, (6") OR HMA BASE COURSE WIDENING (6")
11. PROP. HMA SHOULDER BINDER (6¼")
12. PROP. HMA BINDER COURSE IL-19.0,N90, (2¼")
13. PROP. POLYMERIZED HMA SURFACE COURSE, (1¾")
14. PROP. HMA MILLING, (1/2")
15. PROP. PIPE UNDERDRAIN, TYPE 2, 4"
16. PROP. SUBBASE AGGREGATE TYPE C
17. PROP. AGGREGATE WEDGE SHOULDER TYPE B
18. STRIP REFLECTIVE CRACK CONTROL TREATMENT



TYPICAL PROPOSED SECTION
U.S. ROUTE 6
FROM STA 193+00 TO STA 200+00



TYPICAL PROPOSED SECTION
U.S. ROUTE 6
FROM STA 200+00 TO STA 203+00



TYPICAL PROPOSED SECTION
U.S. ROUTE 6
FROM STA 203+00 TO STA 209+00

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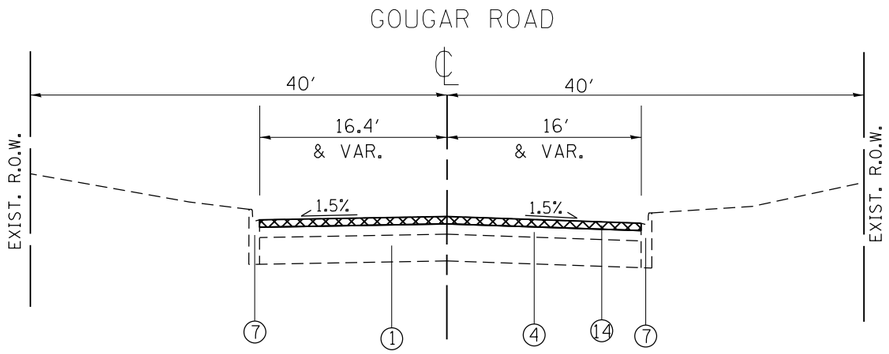
Default	PLOT DATE = 12/13/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS
US ROUTE 6 AT GOUGAR ROAD

SCALE: 1" = 50' | SHEET OF SHEETS | STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	12
		CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			



TYPICAL EXISTING SECTION
GOUGAR ROAD
FROM STA 93+70 TO STA 100+00

HMA MIX CHART NOTES:

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 POUND PER SQUARE YARD-INCH

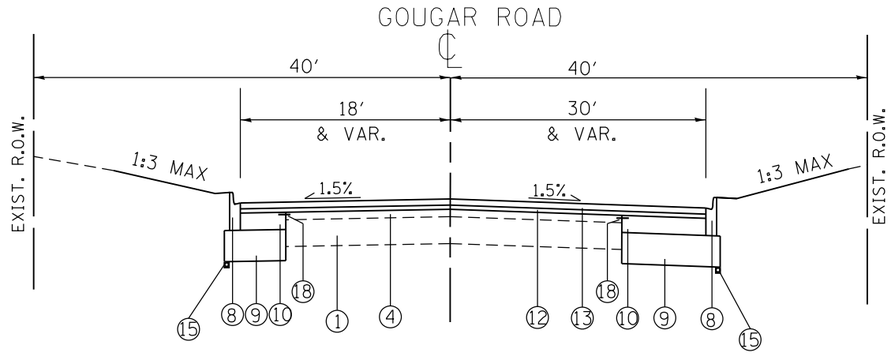
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS

FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.

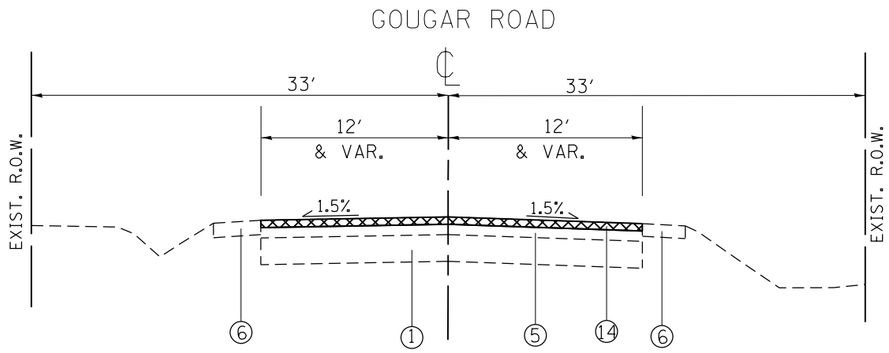
ALL TEMPORARY PAVEMENT SHALL BE PROVIDED OVER 4" SUBBASE GRANULAR MATERIAL

QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

THE ORDER FOR PATCHING SHALL BE PATCHING FIRST, FOLLOWED BY MILLING

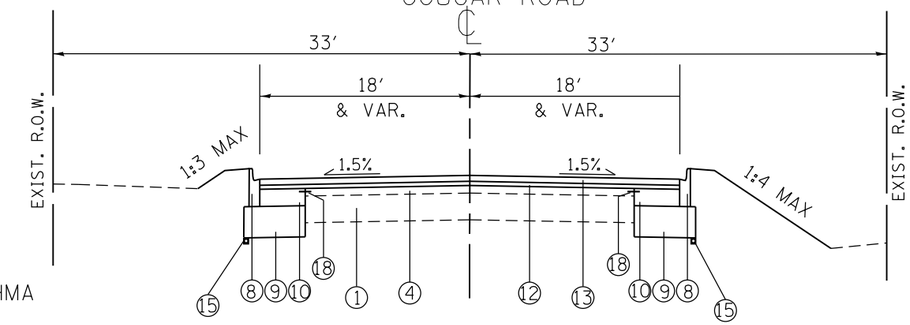


TYPICAL PROPOSED SECTION
GOUGAR ROAD
FROM STA 93+70 TO STA 100+00



TYPICAL EXISITNG SECTION
GOUGAR ROAD
FROM STA 100+00 TO STA 106+50

1. EXIST AGGREGATE SUBGRADE
2. EXIST PCC PAVEMENT (9" & VAR)
3. EXIST HMA PAVEMENT (6" & VAR)
4. EXIST HMA PAVEMENT (8")
5. EXIST HMA PAVEMENT (4")
6. EXIST HMA SHOULDERS
7. EXIST B-6.12 CURB AND GUTTER
8. PROP. B-6.12 CURB AND GUTTER
9. PROP. AGGREGATE SUBGRADE IMPROVEMENT, (12")
10. PROP. HMA BASE COURSE, (6") OR HMA BASE COURSE WIDENING (6")
11. PROP. HMA SHOULDER BINDER (6 1/4")
12. PROP. HMA BINDER COURSE IL-19.0,N90, (2 1/4")
13. PROP. POLYMERIZED HMA SURFACE COURSE, (1 3/4")
14. PROP. HMA MILLING, (1/2")
15. PROP. PIPE UNDERDRAIN, TYPE 2, 4"
16. PROP. SUBBASE AGGREGATE TYPE C
17. PROP. AGGREGATE WEDGE SHOULDER TYPE B
18. STRIP REFLECTIVE CRACK CONTROL TREATMENT



TYPICAL PROPOSED SECTION
GOUGAR ROAD
FROM STA 100+00 TO STA 106+50

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		DRAWN -	REVISED -
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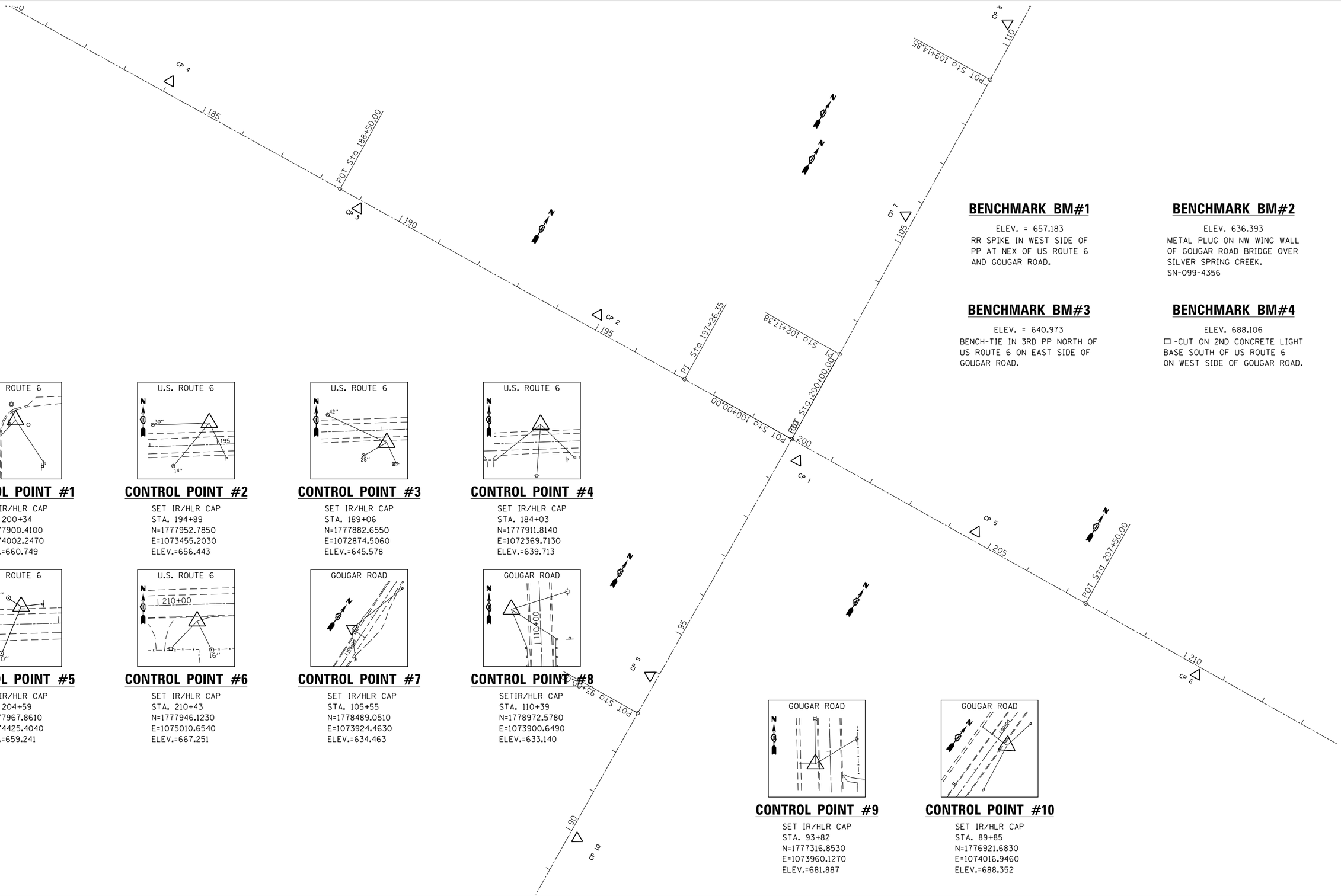
Default	PLOT DATE = 12/13/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS
US ROUTE 6 AT GOUGAR ROAD

SCALE: 1" = 50' | SHEET OF SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	13
		CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			



CONTROL POINT #1

SET IR/HLR CAP
STA. 200+34
N=1777900.4100
E=1074002.2470
ELEV.=660.749

CONTROL POINT #2

SET IR/HLR CAP
STA. 194+89
N=1777952.7850
E=1073455.2030
ELEV.=656.443

CONTROL POINT #3

SET IR/HLR CAP
STA. 189+06
N=1777882.6550
E=1072874.5060
ELEV.=645.578

CONTROL POINT #4

SET IR/HLR CAP
STA. 184+03
N=1777911.8140
E=1072369.7130
ELEV.=639.713

CONTROL POINT #5

SET IR/HLR CAP
STA. 204+59
N=1777967.8610
E=1074425.4040
ELEV.=659.241

CONTROL POINT #6

SET IR/HLR CAP
STA. 210+43
N=1777946.1230
E=1075010.6540
ELEV.=667.251

CONTROL POINT #7

SET IR/HLR CAP
STA. 105+55
N=1778489.0510
E=1073924.4630
ELEV.=634.463

CONTROL POINT #8

SETIR/HLR CAP
STA. 110+39
N=1778972.5780
E=1073900.6490
ELEV.=633.140

CONTROL POINT #9

SET IR/HLR CAP
STA. 93+82
N=1777316.8530
E=1073960.1270
ELEV.=681.887

CONTROL POINT #10

SET IR/HLR CAP
STA. 89+85
N=1776921.6830
E=1074016.9460
ELEV.=688.352

BENCHMARK BM#1

ELEV. = 657.183
RR SPIKE IN WEST SIDE OF PP AT NEX OF US ROUTE 6 AND GOUGAR ROAD.

BENCHMARK BM#2

ELEV. 636.393
METAL PLUG ON NW WING WALL OF GOUGAR ROAD BRIDGE OVER SILVER SPRING CREEK.
SN-099-4356

BENCHMARK BM#3

ELEV. = 640.973
BENCH-TIE IN 3RD PP NORTH OF US ROUTE 6 ON EAST SIDE OF GOUGAR ROAD.

BENCHMARK BM#4

ELEV. 688.106
□ -CUT ON 2ND CONCRETE LIGHT BASE SOUTH OF US ROUTE 6 ON WEST SIDE OF GOUGAR ROAD.

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Default	PLOT DATE = 12/13/2019	DATE -	REVISED -

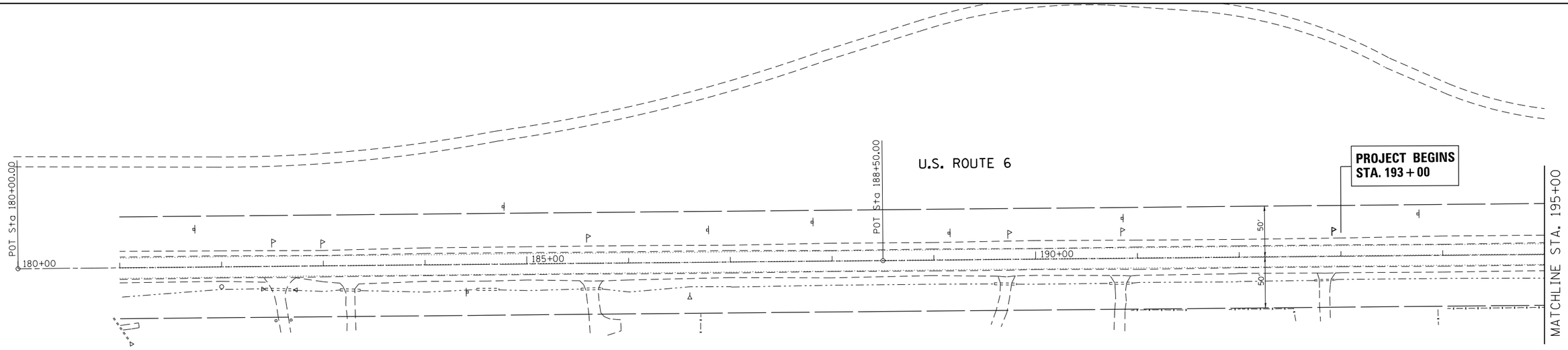
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENTS, TIES AND BENCHMARKS
US ROUTE 6 AT GOUGAR ROAD

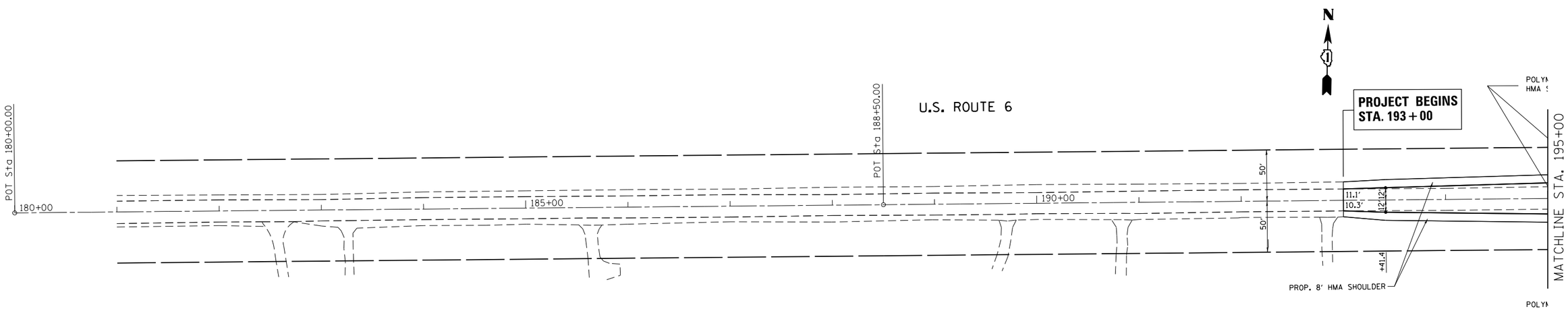
SCALE: NONE | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-12(2)	WILL	100	14
		CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			

EXISTING



PROPOSED



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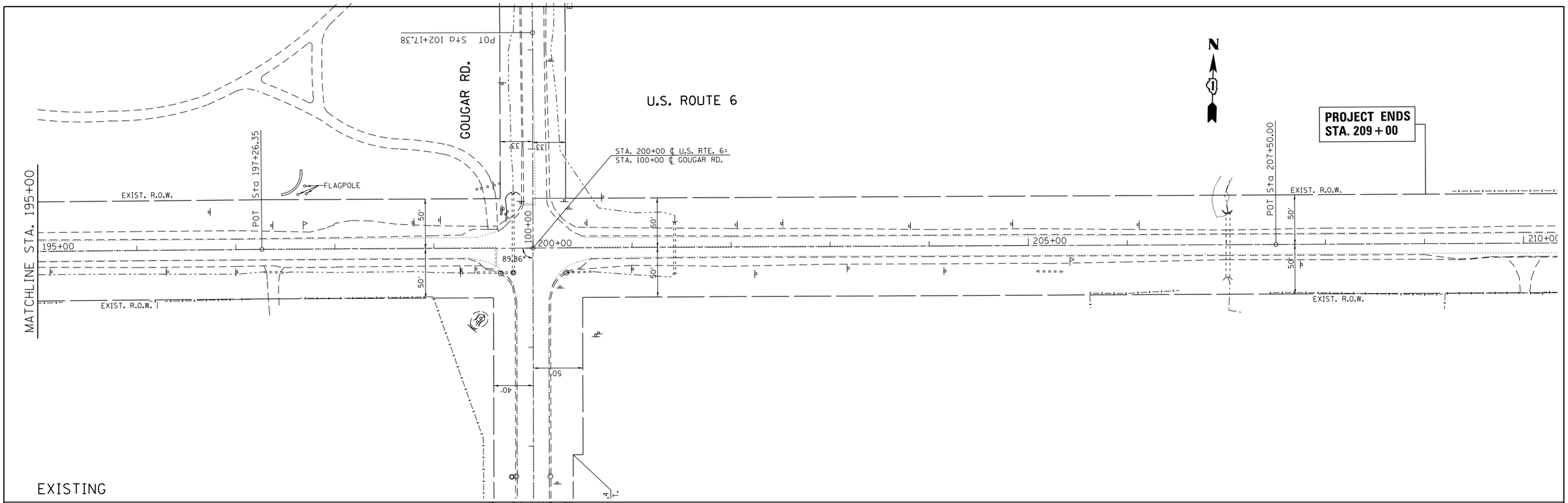
Default	PLOT DATE = 12/13/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING & PROPOSED ROADWAY PLAN
U.S. ROUTE 6 AT GOUGAR RD.

SCALE: 1"=50' | SHEET OF SHEETS | STA. 193+00 TO STA. 195+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	15
		CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			



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Default	PLOT DATE = 12/13/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING & PROPOSED ROADWAY PLAN
U.S. ROUTE 6 AT GOUGAR RD.

SCALE: 1"=50' | SHEET OF SHEETS | STA. 195+00 TO STA. 209+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	16
		CONTRACT NO. 60V40		
		ILLINOIS FED. AID PROJECT		

PLAN

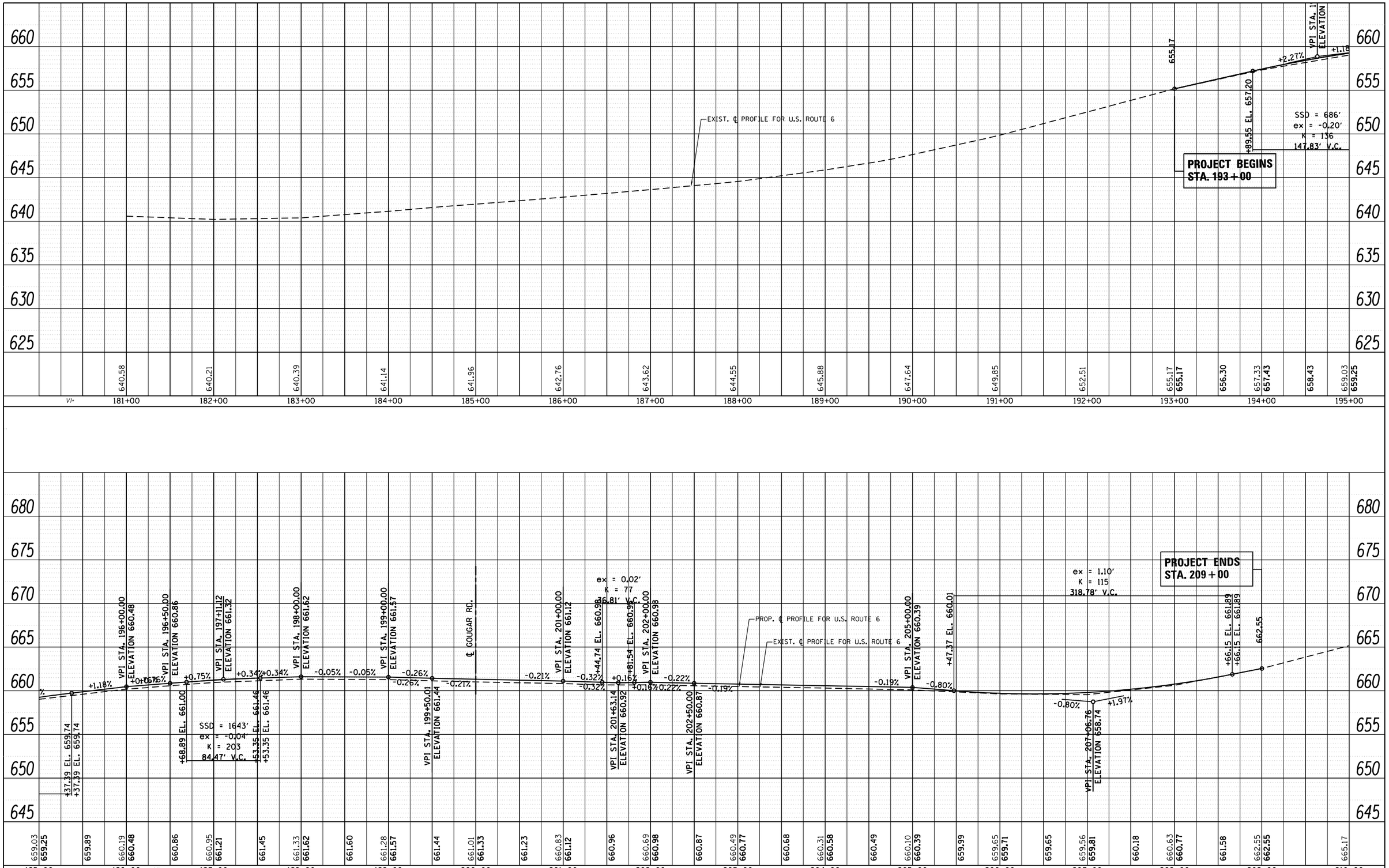
SURVEYED	
PLOTTED	
DRAWN	
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
CADD FILE NAME	
NOTE BOOK	
NO.	

BY	DATE

PROFILE

SURVEYED	
PLOTTED	
DRAWN	
CHECKED	
H.W. NOTED	
STRUCTURE NOTATIONS CHKD	
NOTE BOOK	
NO.	

BY	DATE



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Default	PLOT DATE = 12/13/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PROFILE
U.S. ROUTE 6 AT GOUGAR RD.

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	17
		CONTRACT NO. 60V40		
		ILLINOIS FED. AID PROJECT		

EXISTING

PROPOSED

PROJECT BEGINS
STA. 93 + 70

PROJECT ENDS
STA. 106 + 50

GOUGAR RD.

U.S. ROUTE 6

POT Sta 93+00.00

POT Sta 102+17.38

FLAGPOLE

EXIST. R.O.W.

95+00

100+00

105+00

200+00

STA. 200+00 ℄ U.S. RTE. 6=
STA. 100+00 ℄ GOUGAR RD.

+91.4
40' RT.

89°36'

50'

60'

40'

33'

13'

PROP. R.O.W.

PROP. T.E.

PROP. 5' SIDEWALK

PROP. 10' HMA BIKE PATH

PROP. 10' SIDEWALK

PROP. CONC. TYP. B-6.12 C&G

PROP. 7' SIDEWALK

PROP. CONC. TYP. B-6.12 C&G

PROP. 8' HMA SHOULDER

SEE DETAIL 'A'

F.E.

HMA MILLING ½"
POLYMERIZED HMA SURFACE COURSE MIX "E", IL-9.5, N70, 1¾"
HMA BINDER COURSE IL-19.0, N90, 2¼"

POLYMERIZED HMA SURFACE COURSE MIX "E", IL-9.5, N70, 1¾"
HMA BINDER COURSE IL-19.0, N90, 2¼"
HMA BASE WIDENING COURSE IL-19.0, 6"

① EXIST HMA PAVEMENT (3½")
② PROP. POLYMERIZED HMA SURFACE COURSE, MIX E, N70 (1¾")
③ PROP. BINDER COURSE, N90 (2¼")
④ PROP. CLASS D PATCH (6")

DETAIL 'A'

STA 106+50
MATCH EXIST TOP OF PAVEMENT ELEVATION

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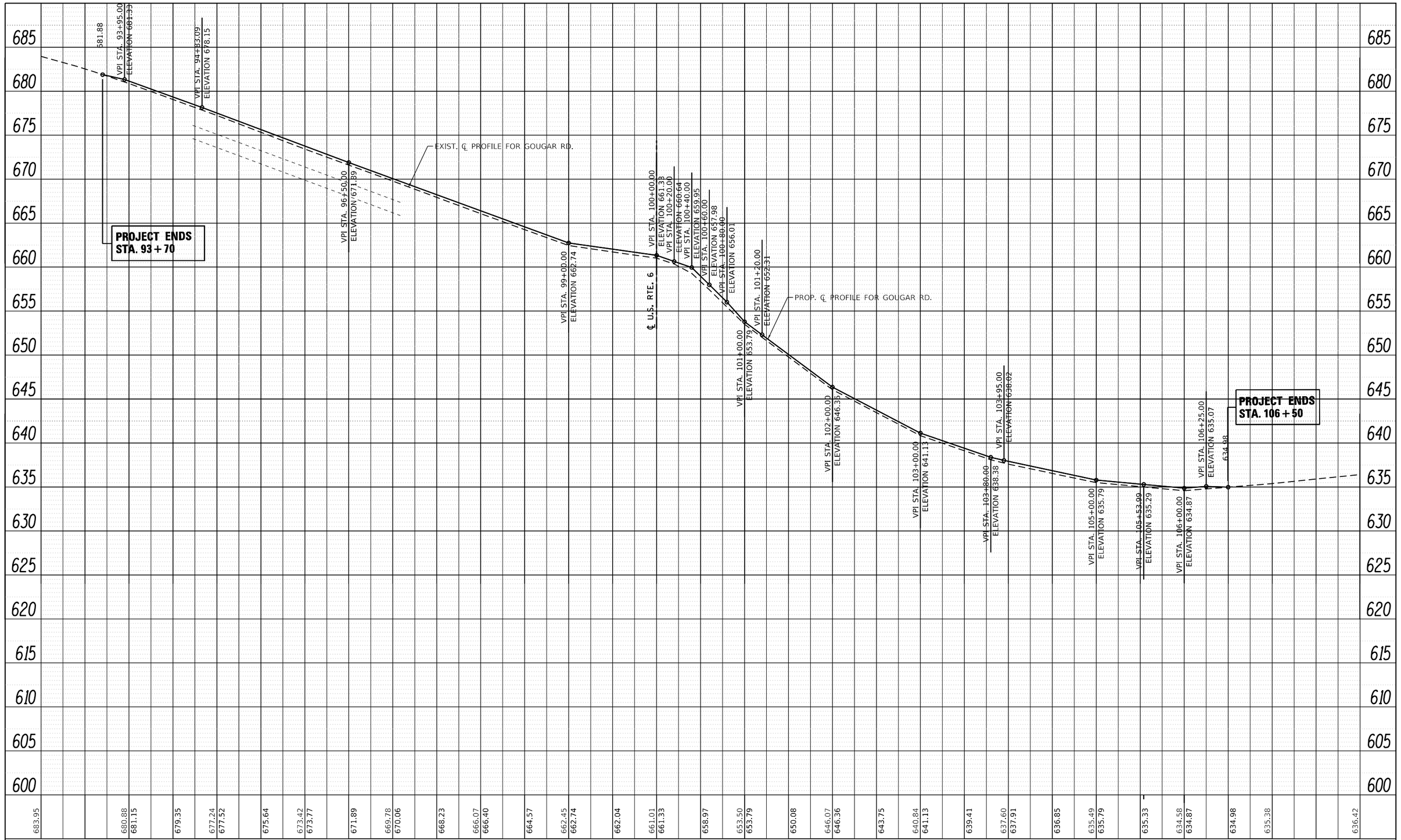
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING & PROPOSED ROADWAY PLAN
U.S. ROUTE 6 AT GOUGAR RD.

SCALE: 1"=50' | SHEET OF SHEETS | STA. 93+70 | TO STA. 106+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	18
		CONTRACT NO. 60V40		
		ILLINOIS FED. AID PROJECT		



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

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
BM& NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PROFILE
U.S. ROUTE 6 AT GOUGAR RD.

SCALE: 1"=50' VER
SCALE: 1"=50' HOR | SHEET OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	19
		CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			

LOCATION		EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	FILL	EARTHWORK BALANCE WASTE (+) SHORTAGE (-)	TOPSOIL EXCAVATION STRIP DEPTH = 12"	TOPSOIL FILL DEPTH = 6"	TOPSOIL BALANCE WASTE (+) SHORTAGE (-)
FROM STATION	TO STATION	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)
US-6 (MAPLE ROAD)								
193+00	194+00	98	6	20	-14	0	0	0
194+00	195+00	176	14	81	-67	78	69	9
195+00	196+00	129	19	130	-111	172	67	104
196+00	197+00	130	25	122	-97	182	62	120
197+00	197+37	59	10	28	-17	179	13	166
197+37	198+00	117	99	41	58	43	24	19
198+00	199+00	247	184	88	96	62	70	-8
199+00	200+00	141	105	45	61	166	37	129
200+00	201+00	32	0	330	-330	92	48	44
201+00	201+43	67	0	240	-240	138	41	98
201+43	202+00	95	0	235	-235	117	49	68
202+00	203+00	99	0	227	-227	145	59	86
203+00	204+00	341	0	67	-67	195	68	127
204+00	205+00	593	504	44	460	206	101	104
205+00	206+00	332	282	165	117	266	87	179
206+00	207+00	54	15	506	-491	237	71	166
207+00	208+00	43	36	603	-567	249	87	162
208+00	209+00	44	37	257	-220	270	76	194
209+00	210+00	32	27	15	12	171	25	146
SUB-TOTAL		2828	1365	3245	-1880	2970	1055	1914

LOCATION		EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	FILL	EARTHWORK BALANCE WASTE (+) SHORTAGE (-)	TOPSOIL EXCAVATION STRIP DEPTH = 12"	TOPSOIL FILL DEPTH = 6"	TOPSOIL BALANCE WASTE (+) SHORTAGE (-)
FROM STATION	TO STATION	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
(1)		(2)	(3)	(4)	(5)	(6)	(8)	(9)
GOUGAR RD								
94+00	95+00	21	7	20	-13	34	15	19
95+00	96+00	36	8	9	-2	35	9	26
96+00	97+00	66	11	9	2	62	11	52
97+00	98+00	168	143	11	132	153	44	109
98+00	99+00	199	84	8	76	195	53	142
99+00	100+00	74	25	2	22	83	16	67
100+00	101+00	8	0	117	-117	84	24	60
101+00	102+00	14	0	189	-189	142	41	101
102+00	102+50	6	3	69	-66	58	17	40
102+50	103+00	13	8	39	-31	39	11	28
103+00	103+85	31	26	33	-7	36	8	28
103+85	104+00	5	4	9	-5	12	4	8
104+00	104+50	13	11	52	-41	70	25	45
104+50	105+00	14	12	72	-60	79	29	49
105+00	106+00	30	16	93	-76	93	41	53
106+00	107+00	15	9	22	-13	19	14	6
107+00	0+00	0	0	0	0	0	0	0
SUB-TOTAL		712	366	754	-389	1195	363	832

EARTH EXCAVATION SUMMARY		
	EARTHWORK BALANCE (CY) WASTE (+) SHORTAGE (-)	TOPSOIL BALANCE (CY) WASTE (+) SHORTAGE (-)
US-6 SUBTOTAL	-1880	1879
GOUGAR SUBTOTAL	-76	98
TOTAL	-1956	1977

EARTHWORK NOTES:

1. STATION RANGE
2. VOLUME TO BE CUT
3. VOLUME TO BE USED AS FILL AFTER EITHER ADJUSTING 15% FOR SHRINKAGE AND LOSSES, OR OMISSION DUE TO HAVING AN A(5) CONTAMINATED SITE PER THE PSI REPORT
4. VOLUME TO BE FILLED
5. COLUMN (4) MINUS COLUMN (3)
6. TOPSOIL STRIPPING VOLUME
7. TOPSOIL FILL VOLUME
8. COLUMN (7) MINUS COLUMN (6)

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		DRAWN -	REVISED -
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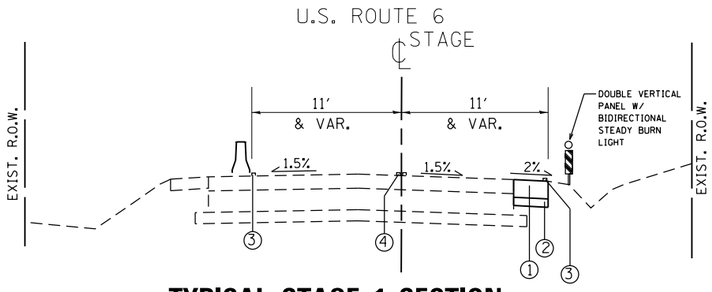
Default	PLOT DATE = 12/13/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 6 AT GOUGAR RD
EARTHWORK BALANCE SCHEDULE

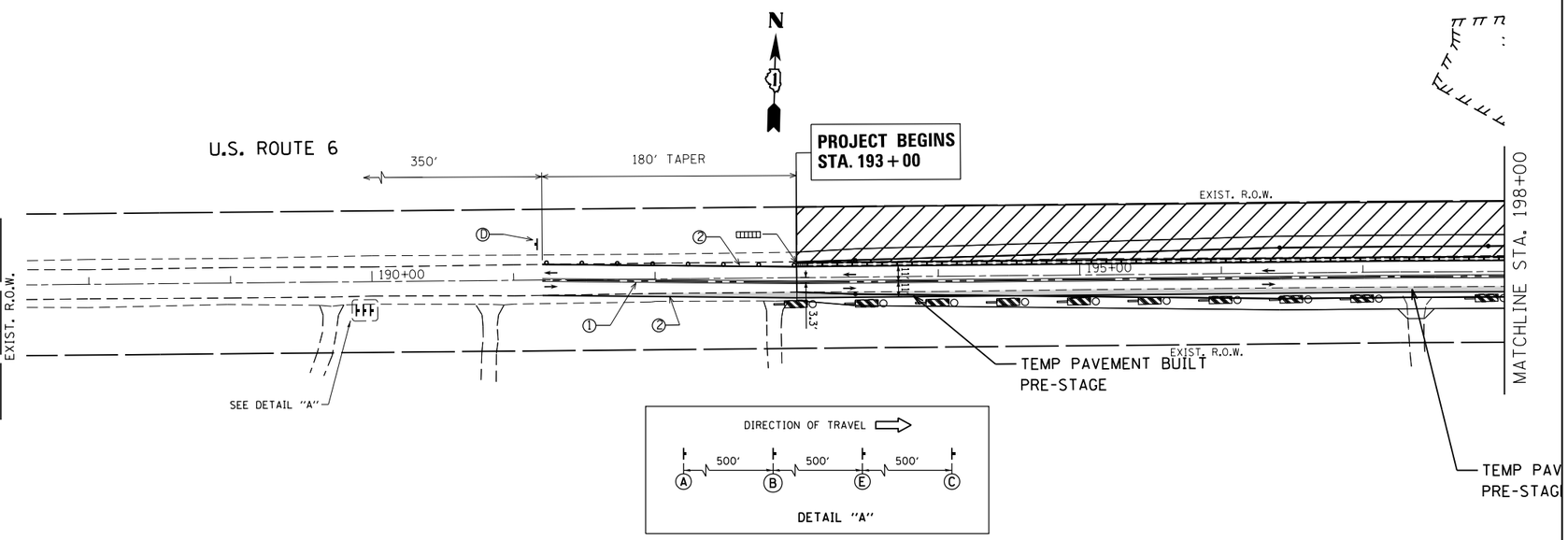
SCALE: 1"=50' | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	20
		CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			



TYPICAL STAGE 1 SECTION
U.S. ROUTE 6
FROM STA 193+00 TO STA 209+00

① TEMP HMA PAVT, 8″
② SUBBASE GRANULAR MATERIAL, TYPE B, 4″
③ WHITE EDGE LINE, 4″
④ DBL YELLOW LINE, 4″

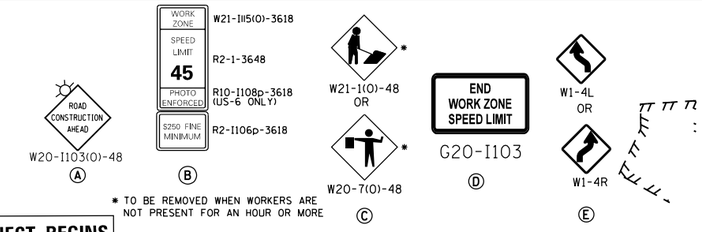


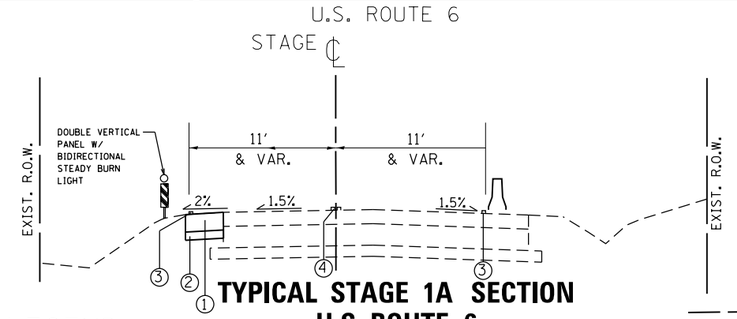
STAGE 1

PAVEMENT MARKINGS LEGEND

① DOUBLE YELLOW, 4″ - @ 11″ C-C
② SOLID WHITE, 4″
③ STOP BAR, 24″ WHITE

SIGNS LEGEND





TYPICAL STAGE 1A SECTION
U.S. ROUTE 6
FROM STA 193+00 TO STA 200+00

LEGEND

- WORK AREA
- TEMPORARY PAVEMENT
- TEMPORARY BARRIER WALL
- DOUBLE VERTICAL PANEL W/ BIDIRECTIONAL STEADY BURN LIGHT @ 50′ C-C
- IMPACT ATTENUATOR (NARROW, FULLY REDIRECTIVE) TEST LEVEL 3
- EDGE BARRELS. 50′ C-C IN TANGENTS, 20′ IN TAPERS, AND 10′ AT RADII

STAGE 1A

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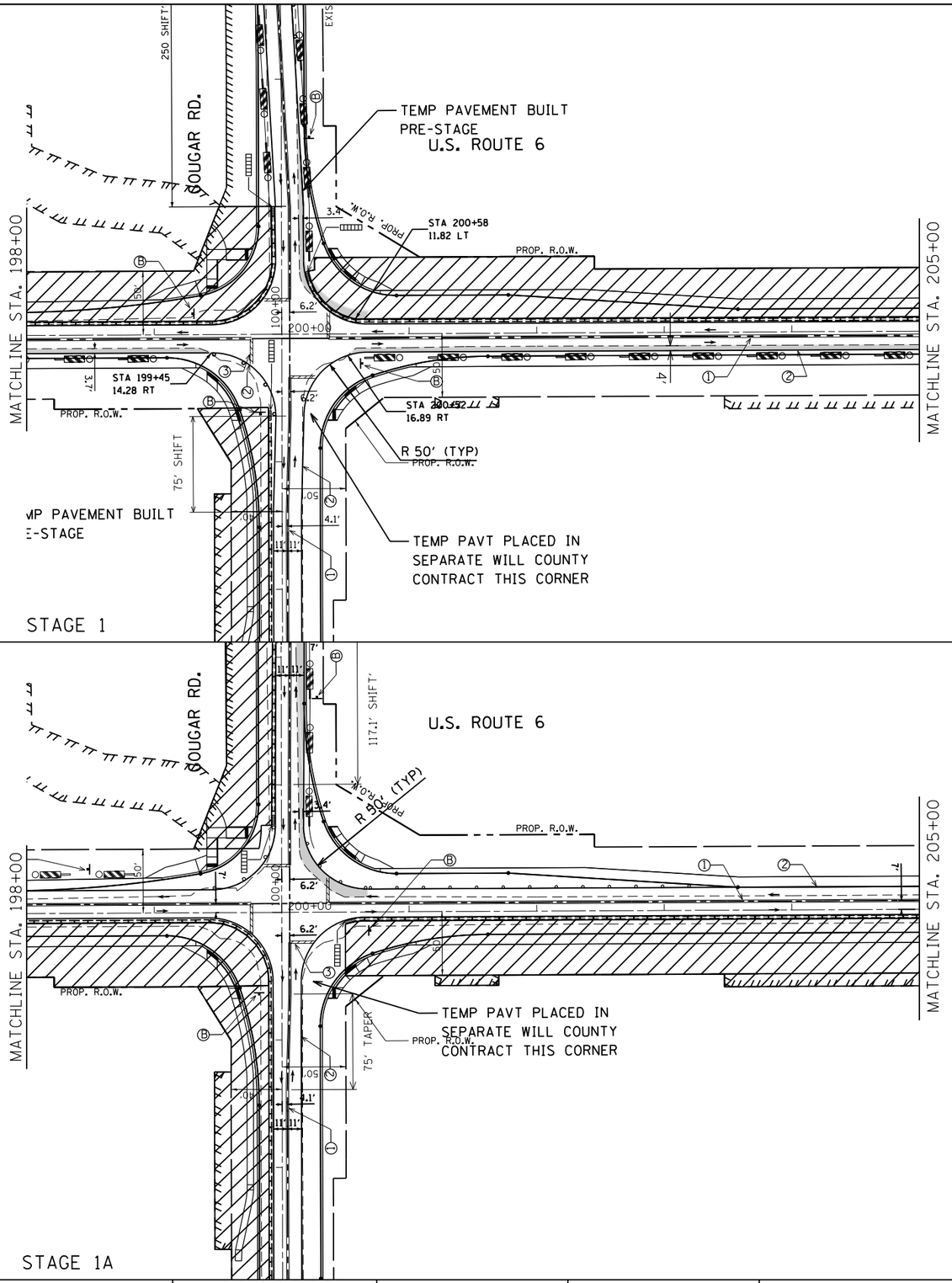
Default	PLOT DATE = 12/13/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGE 1 PLAN
U.S. ROUTE 6 AT GOUGAR RD.

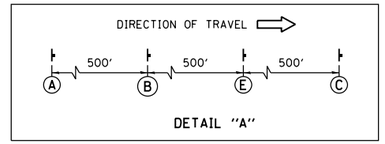
SCALE: 1″=50′ | SHEET OF SHEETS | STA. 193+00 | TO STA. 196+00

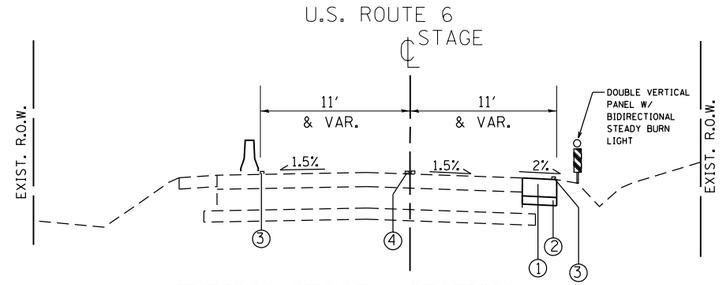
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	21
		CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			



LEGEND

- WORK AREA
- TEMPORARY PAVEMENT
- TEMPORARY BARRIER WALL
- DOUBLE VERTICAL PANEL W/ BIDIRECTIONAL STEADY BURN LIGHT @ 50' C-C
- IMPACT ATTENUATOR (NARROW, FULLY REDIRECTIVE) TEST LEVEL 3
- EDGE BARRELS. 50' C-C IN TANGENTS, 20' IN TAPERS, AND 10' AT RADII

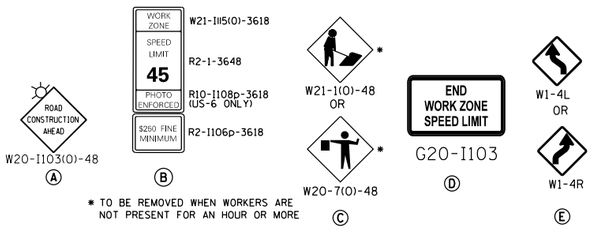




TYPICAL STAGE 1 SECTION
U.S. ROUTE 6
FROM STA 193+00 TO STA 209+00

1. TEMP HMA PAVT, 8"
2. SUBBASE GRANULAR MATERIAL, TYPE B, 4"
3. WHITE EDGE LINE, 4"
4. DBL YELLOW LINE, 4"

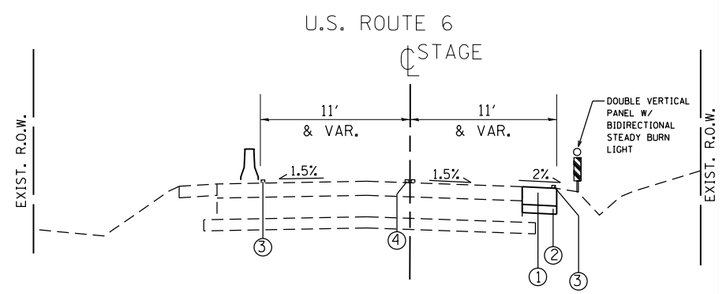
SIGNS LEGEND



* TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR AN HOUR OR MORE

PAVEMENT MARKINGS LEGEND

1. DOUBLE YELLOW, 4" - @ 11" C-C
2. SOLID WHITE, 4"
3. STOP BAR, 24" WHITE



TYPICAL STAGE 1A SECTION
U.S. ROUTE 6
FROM STA 200+00 TO STA 209+00

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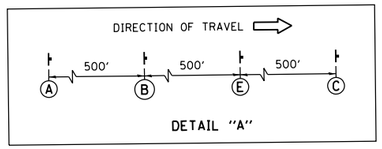
Default	PLOT DATE = 12/13/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

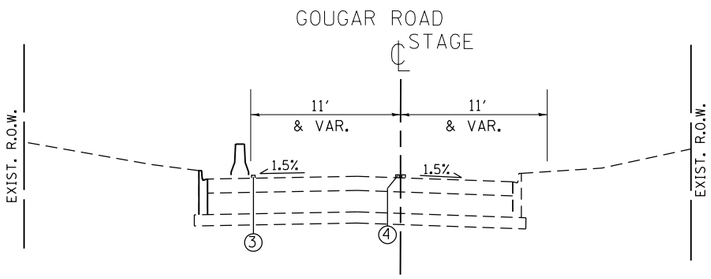
SUGGESTED STAGE 1 PLAN
U.S. ROUTE 6 AT GOUGAR RD.

SCALE: 1"=50' | SHEET OF SHEETS | STA. 196+00 TO STA. 209+00

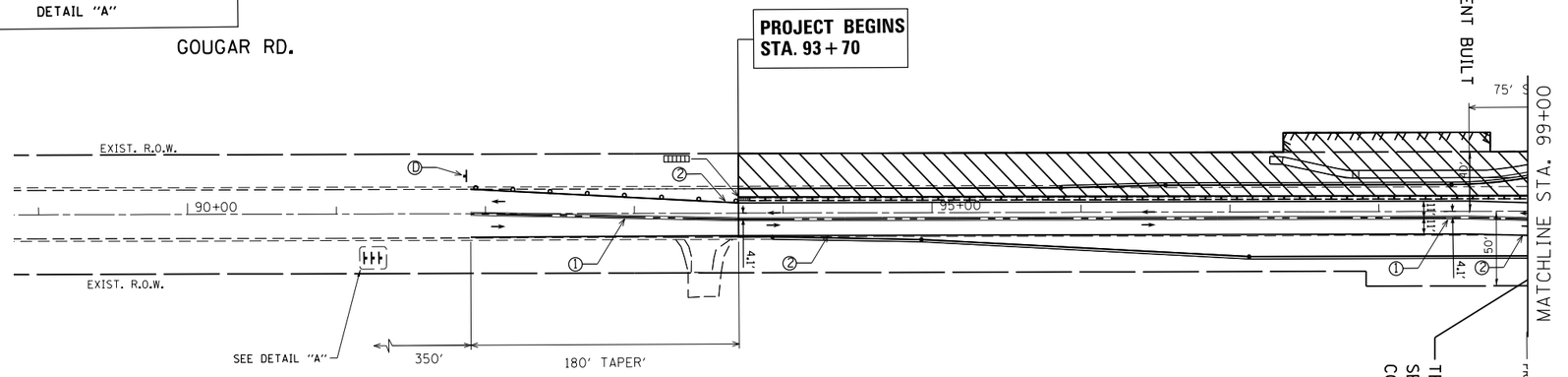
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	22
		CONTRACT NO. 60V40		
		ILLINOIS FED. AID PROJECT		



GOUGAR RD.



TYPICAL STAGE 1 SECTION
GOUGAR ROAD
FROM STA 93+70 TO STA 100+00

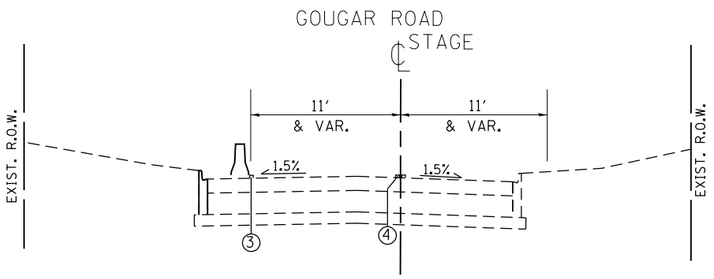


① TEMP HMA PAVT, 8''
② SUBBASE GRANULAR MATERIAL, TYPE B, 4''
③ WHITE EDGE LINE, 4''
④ DBL YELLOW LINE, 4''

STAGE 1

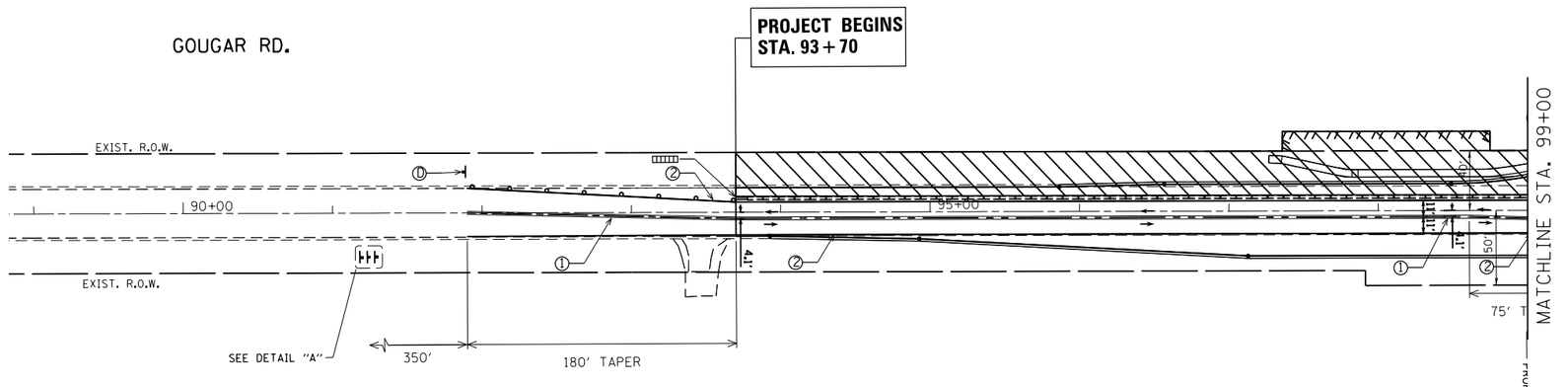
PAVEMENT MARKINGS LEGEND

① DOUBLE YELLOW, 4'' - @ 11'' C-C
② SOLID WHITE, 4''
③ STOP BAR, 24'' WHITE



TYPICAL STAGE 1A SECTION
GOUGAR ROAD
FROM STA 93+70 TO STA 100+00

GOUGAR RD.



STAGE 1A

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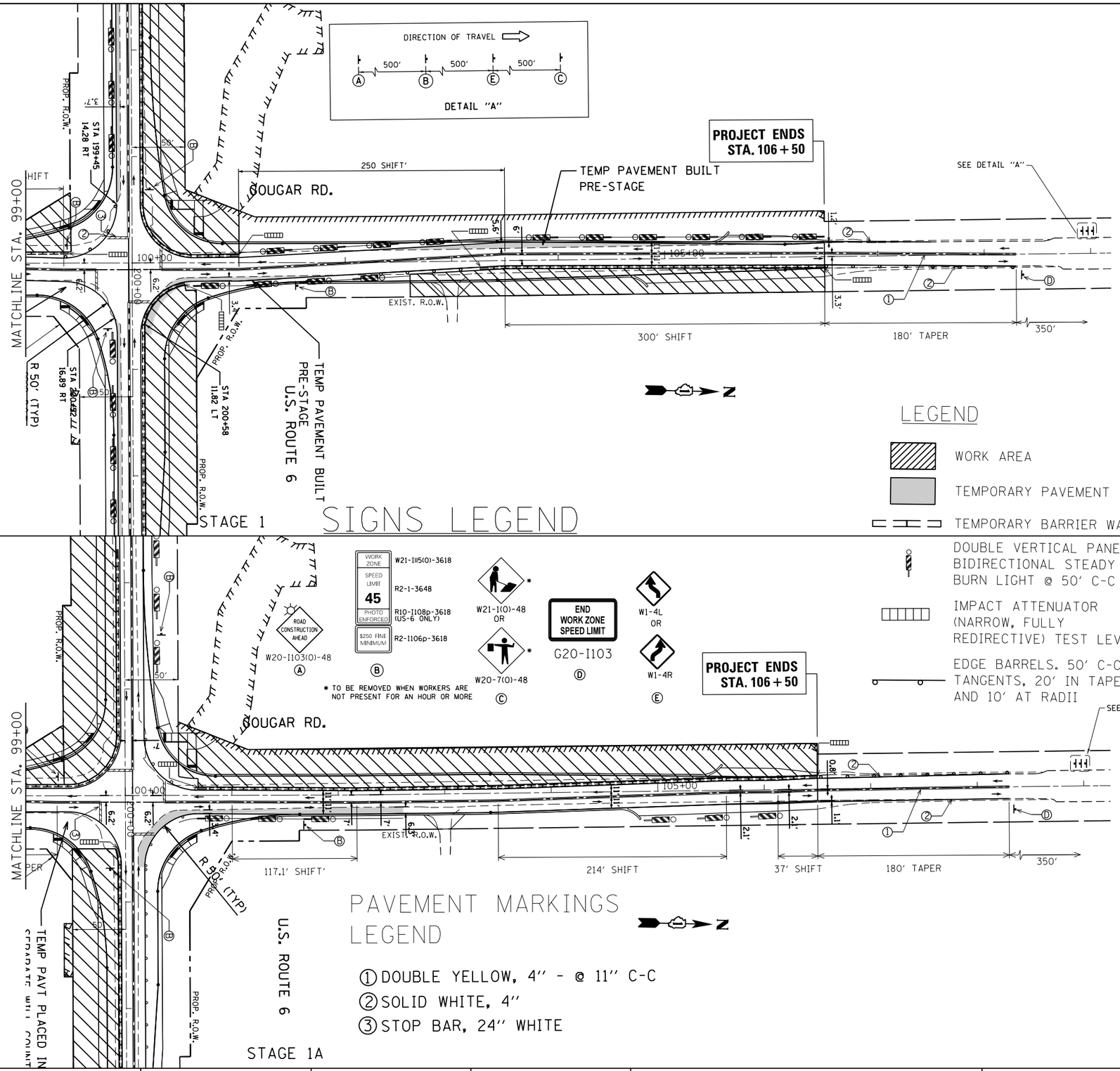
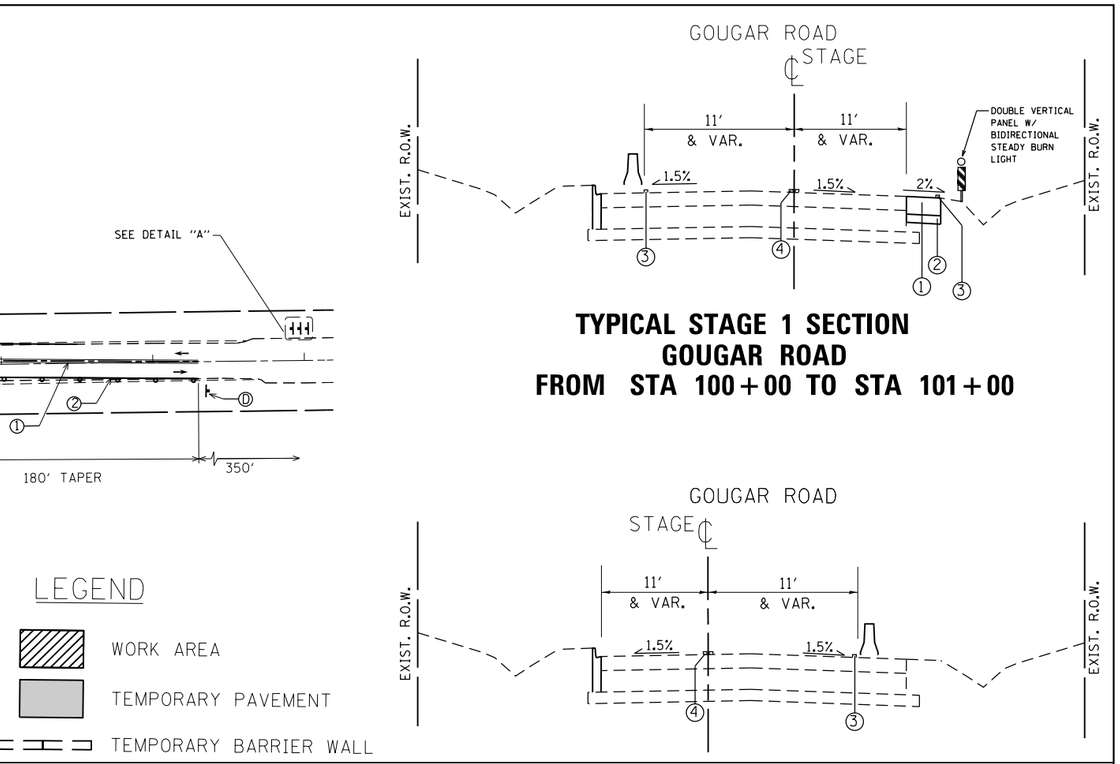
		REVISED -	REVISED -			297	33N-2(12)	WILL	100	23
Default	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -					CONTRACT NO. 60V40		
	PLOT DATE = 12/13/2019	DATE -	REVISED -		SCALE: 1"=50' SHEET OF SHEETS STA. 91+90 TO STA. 106+00			ILLINOIS FED. AID PROJECT		

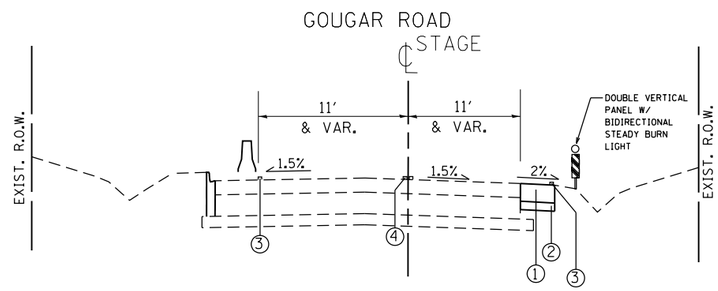




TYPICAL STAGE 1 SECTION
GOUGAR ROAD
FROM STA 100 + 00 TO STA 101 + 00

TYPICAL STAGE 1 SECTION
GOUGAR ROAD
FROM STA 102 + 39 TO STA 106 + 50

① TEMP HMA PAVT, 8″
② SUBBASE GRANULAR MATERIAL, TYPE B, 4″
③ WHITE EDGE LINE, 4″
④ DBL YELLOW LINE, 4″



TYPICAL STAGE 1A SECTION
GOUGAR ROAD
FROM STA 100 + 00 TO STA 106 + 50

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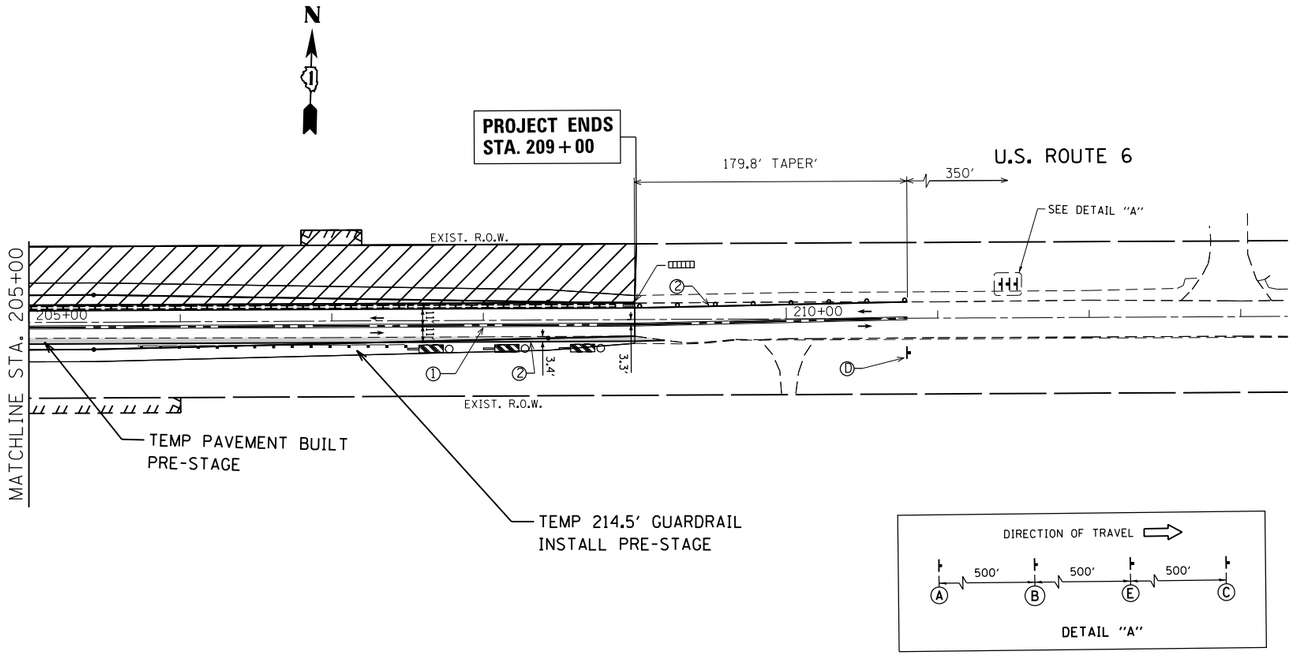
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

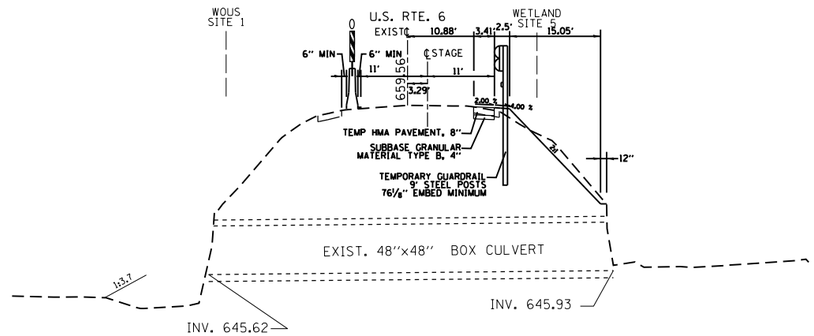
SUGGESTED STAGE 1 PLAN
U.S. ROUTE 6 AT GOUGAR RD.

SCALE: 1″=50′ | SHEET OF SHEETS | STA. 106+00 TO STA. 109+00

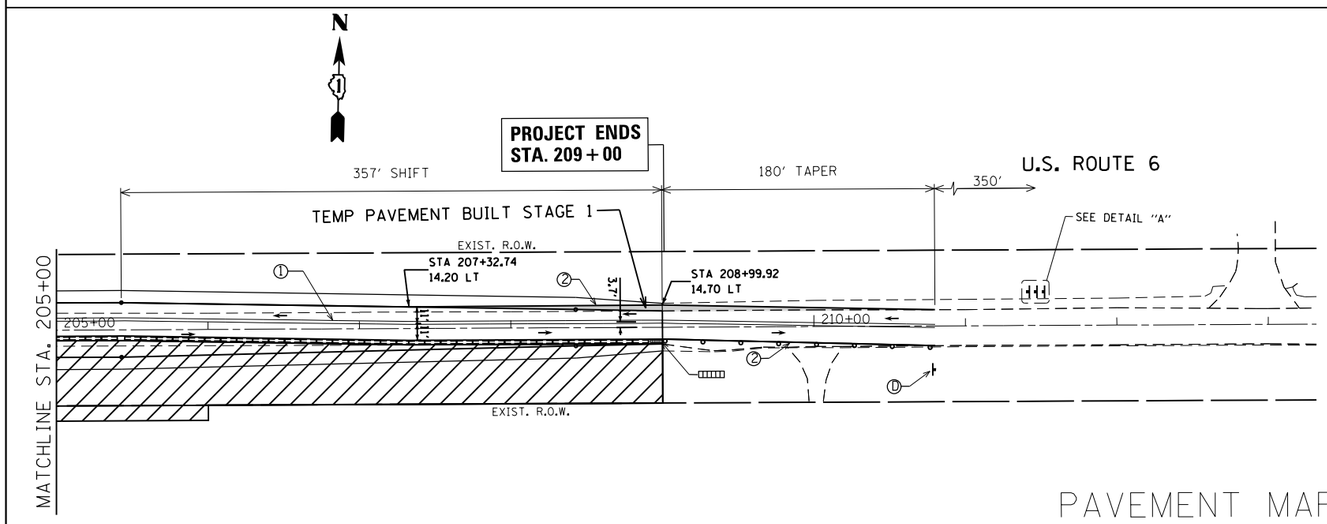
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	24
		CONTRACT NO. 60V40		
		ILLINOIS FED. AID PROJECT		



STAGE 1

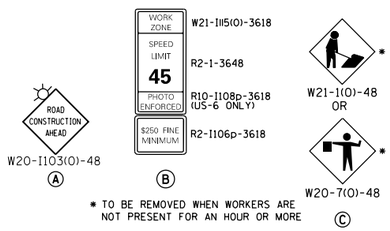


US–6 STAGE 1 SECTION AT 4'x4' BOX CULVERT STA 207+00



STAGE 1A

SIGNS LEGEND



LEGEND

- WORK AREA
- TEMPORARY PAVEMENT
- TEMPORARY BARRIER WALL
- DOUBLE VERTICAL PANEL W/ BIDIRECTIONAL STEADY BURN LIGHT @ 50' C-C
- IMPACT ATTENUATOR (NARROW, FULLY REDIRECTIVE) TEST LEVEL 3
- EDGE BARRELS. 50' C-C IN TANGENTS, 20' IN TAPERS, AND 10' AT RADII

PAVEMENT MARKINGS LEGEND

① DOUBLE YELLOW, 4'' - @ 11'' C-C
② SOLID WHITE, 4''
③ STOP BAR, 24'' WHITE

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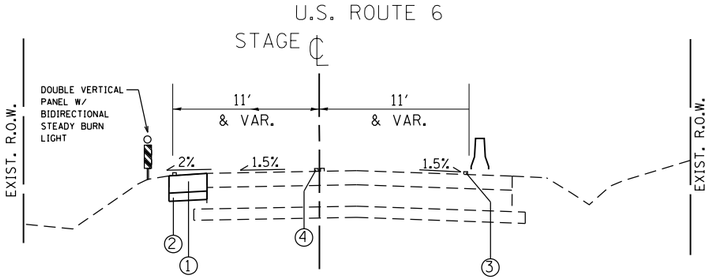
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGE 1 PLAN
U.S. ROUTE 6 AT GOUGAR RD.

SCALE: 1''=50' | SHEET OF SHEETS | STA. 196+00 TO STA. 209+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	25
		CONTRACT NO. 60V40		
		ILLINOIS	FED. AID PROJECT	

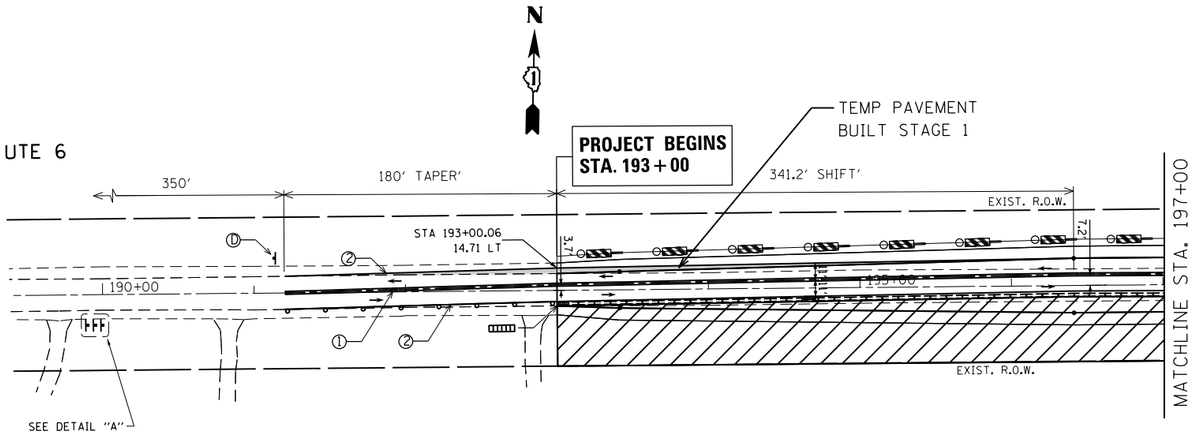


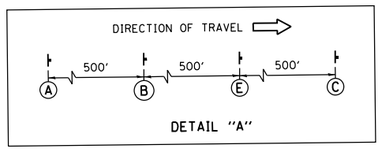
TYPICAL STAGE 2 SECTION
U.S. ROUTE 6
FROM STA 193+00 TO STA 209+00

1. TEMP HMA PAVT, 8″
2. SUBBASE GRANULAR MATERIAL, TYPE B, 4″
3. WHITE EDGE LINE, 4″
4. DBL YELLOW LINE, 4″

LEGEND

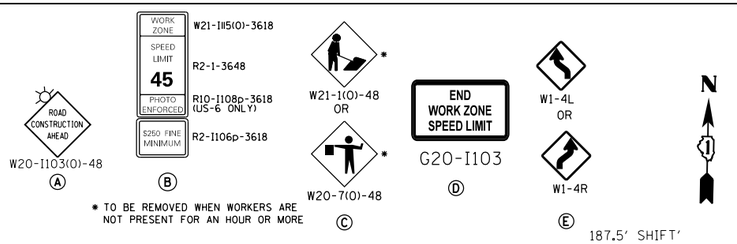
- WORK AREA
- TEMPORARY PAVEMENT
- TEMPORARY BARRIER WALL
- DOUBLE VERTICAL PANEL W/ BIDIRECTIONAL STEADY BURN LIGHT @ 50′ C-C
- IMPACT ATTENUATOR (NARROW, FULLY REDIRECTIVE) TEST LEVEL 3
- EDGE BARRELS, 50′ C-C IN TANGENTS, 20′ IN TAPERS, AND 10′ AT RADII





STAGE 2

SIGNS LEGEND



PAVEMENT MARKINGS LEGEND

1. DOUBLE YELLOW, 4″ - @ 11″ C-C
2. SOLID WHITE, 4″
3. STOP BAR, 24″ WHITE

STAGE 2

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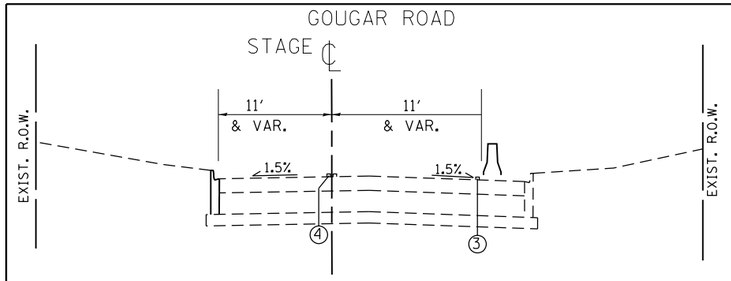
Default	PLOT DATE = 12/13/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGE 2 PLAN
U.S. ROUTE 6 AT GOUGAR RD.

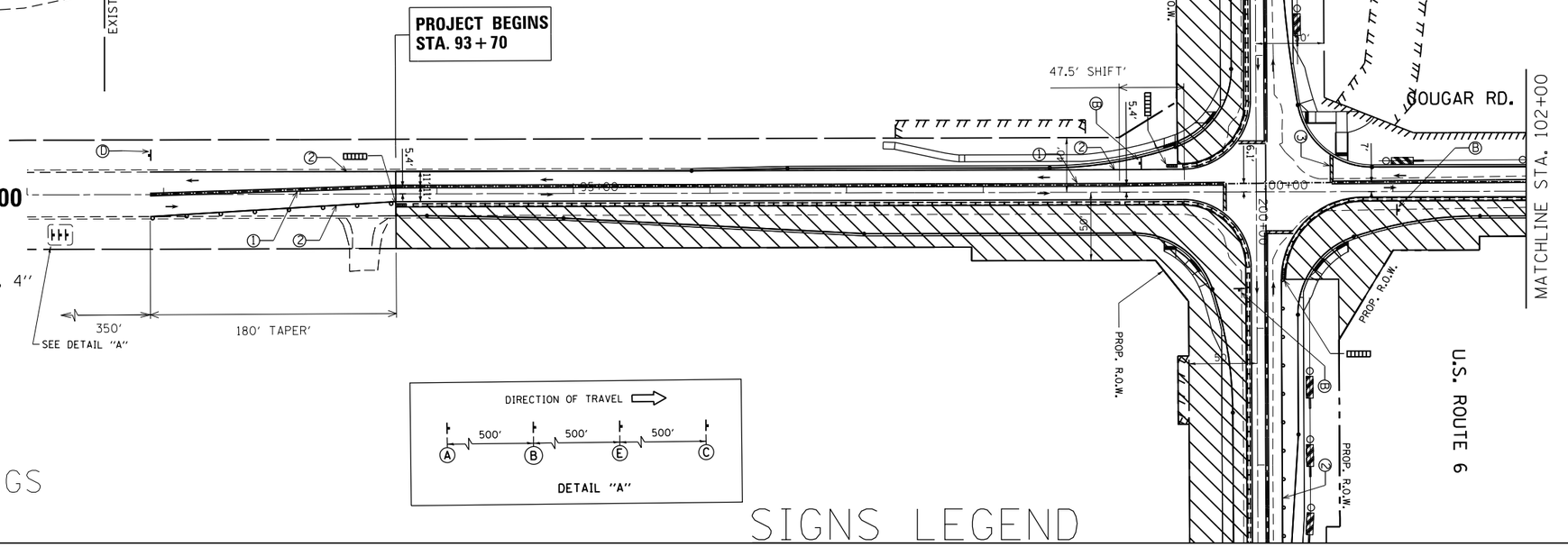
SCALE: 1″=50′ | SHEET OF SHEETS | STA. 193+00 | TO STA. 196+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	26
		CONTRACT NO. 60V40		
		ILLINOIS FED. AID PROJECT		



TYPICAL STAGE 2 SECTION
GOUGAR ROAD
FROM STA 93+70 TO STA 100+00

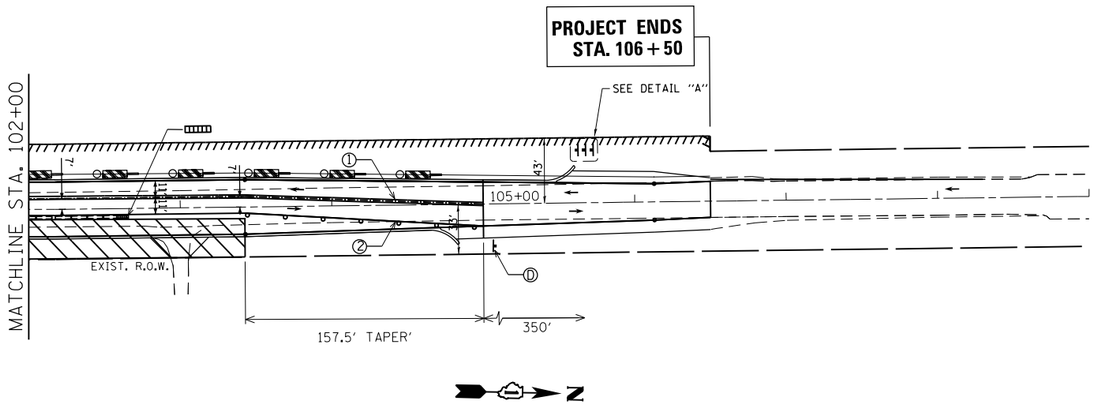
① TEMP HMA PAVT, 8''
② SUBBASE GRANULAR MATERIAL, TYPE B, 4''
③ WHITE EDGE LINE, 4''
④ DBL YELLOW LINE, 4''



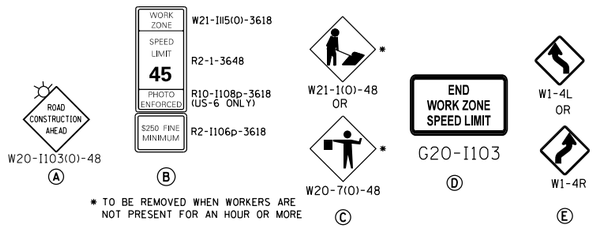
STAGE 2

PAVEMENT MARKINGS LEGEND

① DOUBLE YELLOW, 4'' - @ 11'' C-C
② SOLID WHITE, 4''
③ STOP BAR, 24'' WHITE

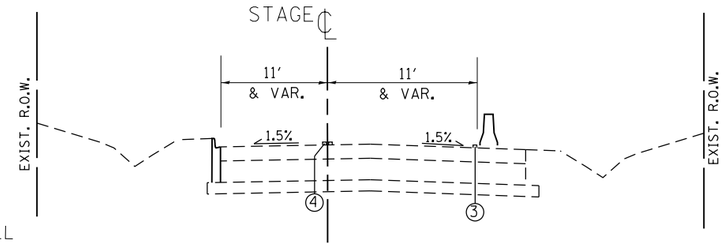


SIGNS LEGEND



LEGEND

- WORK AREA
- TEMPORARY PAVEMENT
- TEMPORARY BARRIER WALL
- DOUBLE VERTICAL PANEL W/ BIDIRECTIONAL STEADY BURN LIGHT @ 50' C-C
- IMPACT ATTENUATOR (NARROW, FULLY REDIRECTIVE) TEST LEVEL 3



TYPICAL STAGE 2 SECTION
GOUGAR ROAD
FROM STA 100+00 TO STA 106+50

① TEMP HMA PAVT, 8''
② SUBBASE GRANULAR MATERIAL, TYPE B, 4''
③ WHITE EDGE LINE, 4''
④ DBL YELLOW LINE, 4''

STAGE 2

FILE NAME = pw:\\planroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\P103112\Drawings\Design\P103112-sht-cover.dgn	USER NAME = ledezmarm	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -
Default	PLOT DATE = 12/13/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGE 2 PLAN
U.S. ROUTE 6 AT GOUGAR RD.

SCALE: 1''=50' | SHEET OF SHEETS | STA. 193+00 | TO STA. 196+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	27
		CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			

PART OF THE NE.1/4 & S.E.1/4 OF SECTION 6 AND PART OF NW.1/4 & SW.1/4 OF SECTION 5 TWP. 35 N., R. 11 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.

PROJECT COORDINATES					
Illinois State Plane, East Zone, NAD 83 (2007)					
Pt. Number	Station	Offset		Northing	Easting
US RTE. 6					
500				1777751.094	1068730.879
508	200+00.02	0.07	LT.	1777935.640	1073966.953
510	193+94.49	3.04	RT.	1777914.311	1073361.798
517	202+08.72	0.04	RT.	1777941.282	1074175.577
520	200+50.02	0.05	LT.	1777936.992	1074016.935
527	206+00.02	0.25	RT.	1777951.861	1074566.734
533	199+99.90	50.00	RT.	1777885.583	1073968.212
552	197+26.47	50.00	RT.	1777878.045	1073694.893
553	193+94.16	50.00	RT.	1777867.365	1073362.979
554	199+02.39	58.00	RT.	1777874.898	1073870.966
565	205+99.98	50.00	LT.	1778002.088	1074565.314
575	199+66.98	50.00	LT.	1777984.638	1073932.554
578	199+56.94	115.25	LT.	1778049.586	1073920.713
583	200+32.90	163.17	LT.	1778099.579	1073995.330
584	200+42.90	163.17	LT.	1778099.862	1074005.326
585	200+42.95	99.91	LT.	1778036.623	1074007.114
587	200+49.84	74.08	RT.	1777862.885	1074018.799
590	203+46.99	50.11	RT.	1777895.039	1074315.178
591	203+46.98	60.11	RT.	1777885.043	1074315.448
592	205+14.34	60.20	RT.	1777889.567	1074482.747
593	205+14.35	50.20	RT.	1777899.564	1074482.476
638	197+49.74	131.88	LT.	1778060.498	1073713.138
639	197+64.42	162.03	LT.	1778091.041	1073726.981
640	197+64.42	178.10	LT.	1778107.105	1073726.538
641	198+04.19	180.42	LT.	1778110.520	1073766.229
642	198+04.59	147.97	LT.	1778078.094	1073767.524
643	198+62.04	124.74	LT.	1778056.456	1073825.592
644	199+10.40	119.53	LT.	1778052.581	1073874.078
645	199+35.82	115.34	LT.	1778049.094	1073899.603
646	199+51.55	101.59	LT.	1778035.783	1073915.702
647	199+34.58	58.59	LT.	1777992.334	1073899.927
648	199+06.11	79.76	LT.	1778012.708	1073870.886
649	198+27.05	88.28	LT.	1778019.046	1073791.621
901	188+50.00	0.00	RT.	1777899.839	1072817.496
902	197+26.35	0.00	RT.	1777928.023	1073693.396
903	200+00.02	0.00	RT.	1777935.567	1073966.955
911	198+21.26	50.00	RT.	1777880.659	1073789.645
912	198+21.26	58.00	RT.	1777872.662	1073789.866
916	200+80.00	50.00	RT.	1777887.792	1074048.287
921	202+45.52	50.00	LT.	1777992.316	1074210.982
922	202+45.52	60.00	LT.	1778002.313	1074210.707
923	201+08.56	60.00	LT.	1777998.537	1074073.804
927	199+31.19	50.00	LT.	1777983.651	1073896.775
932	201+20.00	50.00	RT.	1777888.894	1074088.727
933	201+20.00	58.00	RT.	1777880.897	1074088.492
934	201+70.00	58.00	RT.	1777882.276	1074138.473
935	201+70.00	50.00	RT.	1777890.273	1074138.253
945	199+31.57	0.45	RT.	1777933.229	1073898.552

GOUGAR RD.					
1				1780459.404	1073895.577
9				1775295.945	1074033.361
508	100+00.07	0.00	RT.	1777935.640	1073966.953
513	97+35.66	40.00	LT.	1777670.301	1073933.616
514	97+90.96	40.00	LT.	1777725.586	1073932.225
515	97+90.86	50.00	LT.	1777725.234	1073922.230
529	101+81.57	0.57	LT.	1778117.067	1073961.822
533	99+50.00	0.00	RT.	1777885.583	1073968.212
554	99+41.76	97.48	LT.	1777874.898	1073870.966
555	97+35.52	53.00	LT.	1777669.843	1073920.623
556	98+00.39	53.00	LT.	1777734.690	1073918.992
575	100+49.92	33.16	LT.	1777984.638	1073932.554
578	101+15.15	43.36	LT.	1778049.586	1073920.713
583	101+63.25	32.49	RT.	1778099.579	1073995.330
584	101+63.28	42.49	RT.	1778099.862	1074005.326
585	101+00.01	42.69	RT.	1778036.623	1074007.114
586	101+81.63	32.43	RT.	1778117.960	1073994.810
587	99+26.04	50.00	RT.	1777862.885	1074018.799
903	100+00.00	0.00	RT.	1777935.567	1073966.955
907	93+00.00	0.00	RT.	1777235.789	1073984.560
908	102+17.38	0.00	RT.	1778152.876	1073961.488
916	99+50.19	80.10	RT.	1777887.792	1074048.287
927	100+49.83	68.95	LT.	1777983.651	1073896.775

LEGEND

SECTION CORNER — QUARTER SECTION CORNER

GRAPHIC SCALE FEET (0, 50) — SCALE: 1"= 50'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- P — PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC — EXISTING ACCESS CONTROL LINE
- AC — PROPOSED ACCESS CONTROL LINE
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2007 ADJUSTMENT), EAST ZONE.

- ○ IRON PIPE OR ROD FOUND — ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET — ● 5/8" REBAR SET
- ● T1, T2, T3 — THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ● BT1, BT2, BT3 — THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/3 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/3 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER PCSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TC CERTIFY THAT I, KENNETH J. PESAVENTO, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, RUETTIGER, TONELLI & ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001251,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 5 & 6, TOWNSHIP 35 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

FIELD WORK COMPLETED ON 8-20-13.

DATED AT SHOREWOOD, ILLINOIS THIS DAY OF 20 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3425
LICENSE EXPIRATION DATE: 11-30-2018

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

RT&A — Ruettiger, Tonelli & Associates, Inc.
Surveyors • Engineers • Planners • Landscape Architects • G.I.S. Consultants
129 CAPISTA DRIVE - SHOREWOOD, ILLINOIS 60404
PH. (815) 744-6600 FAX (815) 744-0101
website: www.ruettigertonelli.com

R.T. & A. Dwg. No.: 2013-0651

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
U.S. ROUTE 6

LIMITS: U.S. RTE 6 AT GOUGAR ROAD — COUNTY: WILL
SECTION: — JOB NO.: R91-022-13
STA. 193+00.00 TO STA. 205+39
SCALE: 1"=50' — SHEET 2 OF 5 SHEETS

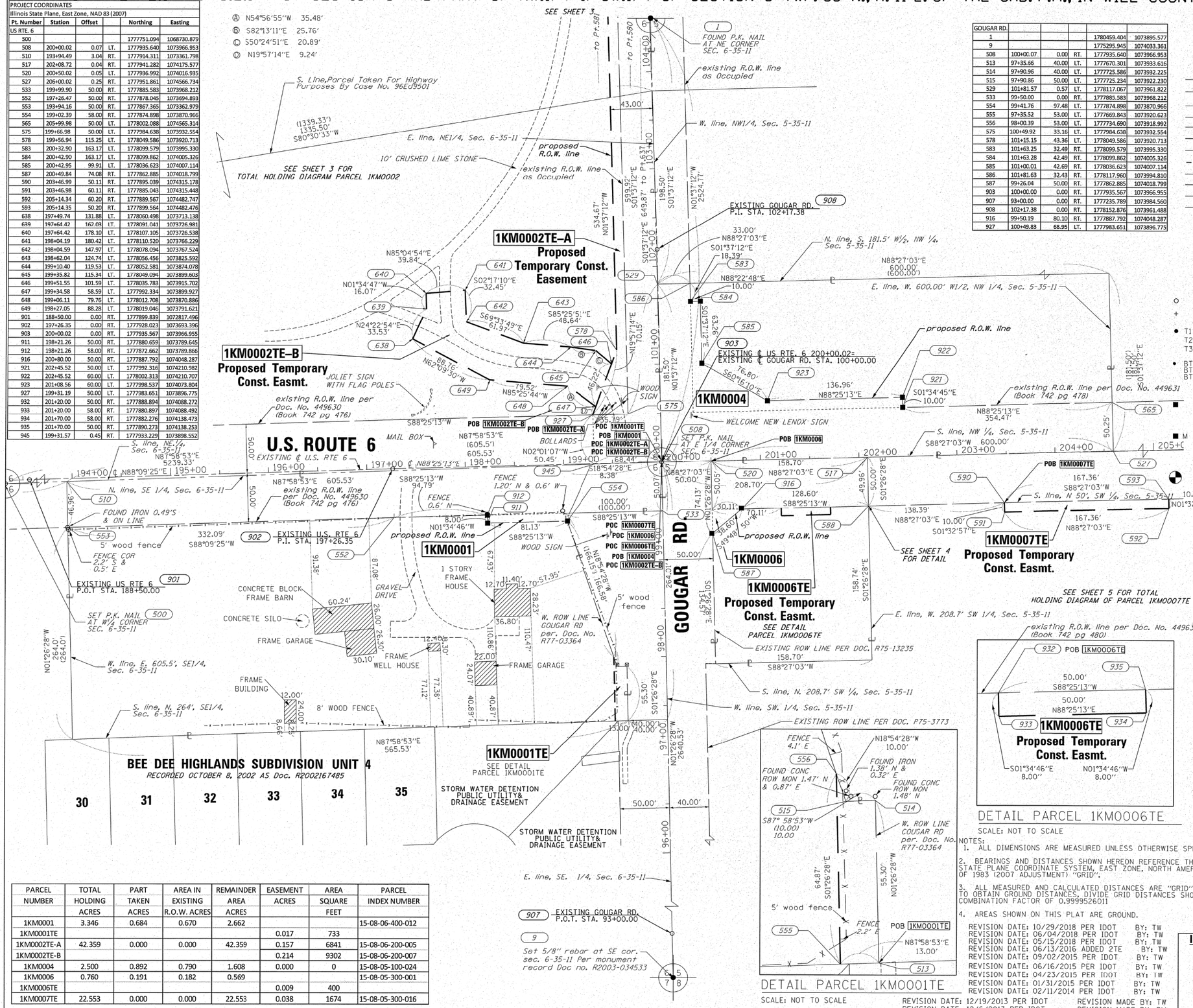
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT USE ONLY
RECEIVED
OCT 30 2018
PLATS & LEGALS

REVISION DATE: 12/19/2013 PER IDOT — REVISION MADE BY: TW
REVISION DATE: 12/6/2013 PER IDOT — REVISION MADE BY: RM

REVISION DATE: 10/29/2018 PER IDOT BY: TW
REVISION DATE: 06/04/2018 PER IDOT BY: TW
REVISION DATE: 05/15/2018 PER IDOT BY: TW
REVISION DATE: 06/13/2016 ADDED 2TE BY: TW
REVISION DATE: 09/02/2015 PER IDOT BY: TW
REVISION DATE: 06/16/2015 PER IDOT BY: TW
REVISION DATE: 04/23/2015 PER IDOT BY: TW
REVISION DATE: 01/31/2015 PER IDOT BY: TW
REVISION DATE: 02/11/2014 PER IDOT BY: TW

PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
1KM0001	3.346	0.684	0.670	2.662			15-08-06-400-012
1KM0001TE					0.017	733	
1KM0002TE-A	42.359	0.000	0.000	42.359	0.157	6841	15-08-06-200-005
1KM0002TE-B					0.214	9302	15-08-06-200-007
1KM0004	2.500	0.892	0.790	1.608	0.000	0	15-08-05-100-024
1KM0006	0.760	0.191	0.182	0.569			15-08-05-300-001
1KM0006TE					0.009	400	
1KM0007TE	22.553	0.000	0.000	22.553	0.038	1674	15-08-05-300-016



NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2007 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999526011
4. AREAS SHOWN ON THIS PLAT ARE GROUND.

PART OF THE NE.1/4 & S.E.1/4 OF SECTION 6 AND PART OF NW.1/4 & SW.1/4 OF SECTION 5 TWP. 35 N., R. 11 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.

PROJECT COORDINATES					
Illinois State Plane, East Zone, NAD 83 (2007)					
Pt. Number	**Station**	**Offset**		**Northing**	**Easting**
US RTE. 6					
500				1777751.094	1068730.879
508	200+00.02	0.07	LT.	1777935.640	1073966.953
510	193+94.49	3.04	RT.	1777914.311	1073361.798
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520	200+50.02	0.05	LT.	1777936.992	1074016.935
527	206+00.02	0.25	RT.	1777951.861	1074566.734
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553	193+94.16	50.00	RT.	1777867.365	1073362.979
554	199+02.39	58.00	RT.	1777874.898	1073870.966
565	205+99.98	50.00	LT.	1778002.088	1074565.314
575	199+66.98	50.00	LT.	1777984.638	1073932.554
578	199+56.94	115.25	LT.	1778049.586	1073920.713
583	200+32.90	163.17	LT.	1778099.579	1073995.330
584	200+42.90	163.17	LT.	1778099.862	1074005.326
585	200+42.95	99.91	LT.	1778036.623	1074007.114
587	200+49.84	74.08	RT.	1777862.885	1074018.799
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592	205+14.34	60.20	RT.	1777889.567	1074482.747
593	205+14.35	50.20	RT.	1777899.564	1074482.476
638	197+49.74	131.88	LT.	1778060.498	1073713.138
639	197+64.42	162.03	LT.	1778091.041	1073726.981
640	197+64.42	178.10	LT.	1778107.105	1073726.538
641	198+04.19	180.42	LT.	1778110.520	1073766.229
642	198+04.59	147.97	LT.	1778078.094	1073767.524
643	198+62.04	124.74	LT.	1778056.456	1073825.592
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645	199+35.82	115.34	LT.	1778049.094	1073899.603
646	199+51.55	101.59	LT.	1778035.783	1073915.702
647	199+34.58	58.59	LT.	1777992.334	1073899.927
648	199+06.11	79.76	LT.	1778012.708	1073870.886
649	198+27.05	88.28	LT.	1778019.046	1073791.621
901	188+50.00	0.00	RT.	1777899.839	1072817.496
902	197+26.35	0.00	RT.	1777928.023	1073693.396
903	200+00.02	0.00	RT.	1777935.567	1073966.955
911	198+21.26	50.00	RT.	1777880.659	1073789.645
912	198+21.26	58.00	RT.	1777872.662	1073789.866
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921	202+45.52	50.00	LT.	1777992.316	1074210.982
922	202+45.52	60.00	LT.	1778002.313	1074210.707
923	201+08.56	60.00	LT.	1777998.537	1074073.804
927	199+31.19	50.00	LT.	1777983.651	1073896.775
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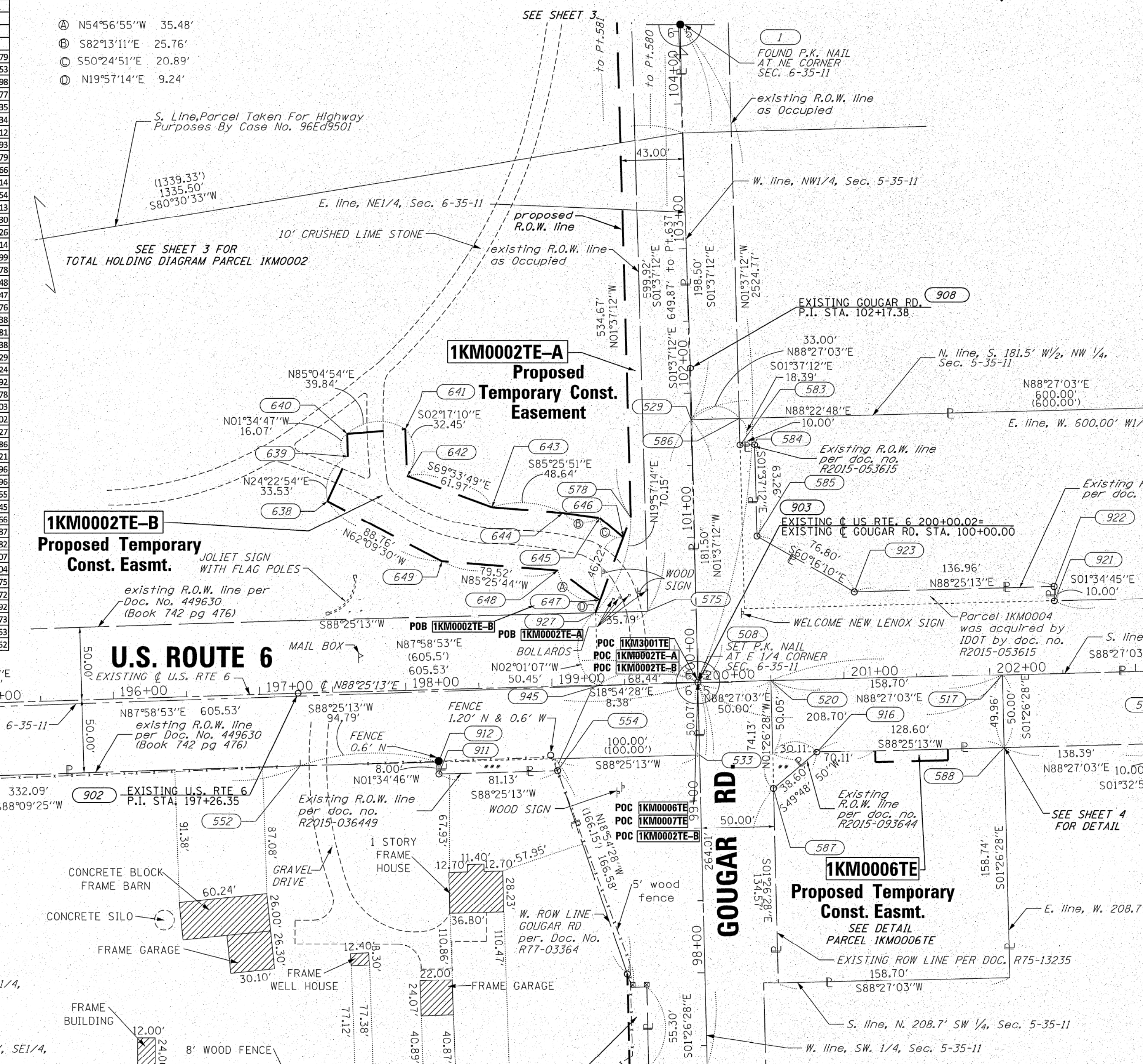
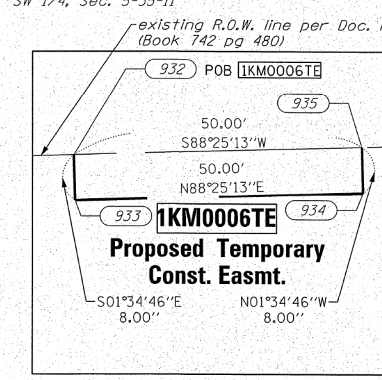
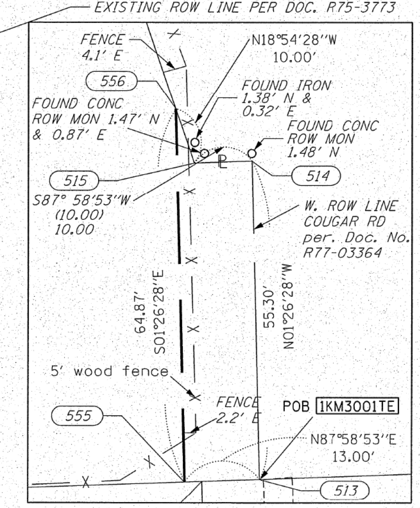
933	201+20.00	58.00	RT.	1777880.897	1074088.492
934	201+70.00	58.00	RT.	1777882.276	1074138.473
935	201+70.00	50.00	RT.	1777890.273	1074138.253
945	199+31.57	0.45	RT.	1777933.229	1073898.552

GOUGAR RD.					
1				1780459.404	1073895.577
9				1775295.945	1074033.361
508	100+00.07	0.00	RT.	1777935.640	1073966.953
513	97+35.66	40.00	LT.	1777670.301	1073933.616
514	97+90.96	40.00	LT.	1777725.586	1073932.225
515	97+90.86	50.00	LT.	1777725.234	1073922.230
529	101+81.57	0.57	LT.	1778117.067	1073961.822
533	99+50.00	0.00	RT.	1777885.583	1073968.212
554	99+41.76	97.48	LT.	1777874.898	1073870.966
555	97+35.52	53.00	LT.	1777669.843	1073920.623
556	98+00.39	53.00	LT.	1777734.690	1073918.992
575	100+49.92	33.16	LT.	1777984.638	1073932.554
578	101+15.15	43.36	LT.	1778049.586	1073920.713
583	101+63.25	32.49	RT.	1778099.579	1073995.330
584	101+63.28	42.49	RT.	1778099.862	1074005.326
585	101+00.01	42.69	RT.	1778036.623	1074007.114
586	101+81.63	32.43	RT.	1778117.960	1073994.810
587	99+26.04	50.00	RT.	1777862.885	1074018.799
903	100+00.00	0.00	RT.	1777935.567	1073966.955
907	93+00.00	0.00	RT.	1777235.789	1073984.560
908	102+17.38	0.00	RT.	1778152.876	1073961.488
916	99+50.19	80.10	RT.	1777887.792	1074048.287
927	100+49.83	68.95	LT.	1777983.651	1073896.775




DETAIL PARCEL 1KM0006TE

SCALE: NOT TO SCALE


DETAIL PARCEL 1KM3001TE

SCALE: NOT TO SCALE

LEGEND

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

GRAPHIC SCALE FEET 0 50

SCALE: 1"= 50'

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM,NAD83 (2007 ADJUSTMENT),EAST ZONE.

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- ● 5 / 8" REBAR SET
- ● T1 T2 T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- • BT1 BT2 BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, KENNETH J. PESAVENTO, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, RUETTIGER, TONELLI & ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001251,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 5 & 6, TOWNSHIP 35 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

FIELD WORK COMPLETED ON 8-20-13.

DATED AT SHOREWOOD, ILLINOIS THIS DAY OF 20 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3425
LICENSE EXPIRATION DATE: 11-30-2018

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

PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
	2.662	0.000	0.000	2.662			15-08-06-400-012
1KM3001TE					0.017	733	
1KM0002TE-A	42.359	0.000	0.000	42.359	0.157	6841	15-08-06-200-005
1KM0002TE-B					0.214	9302	15-08-06-200-007
	0.569	0.000	0.000	0.569			15-08-05-300-001
1KM0006TE					0.009	400	
1KM0007TE	22.553	0.000	0.000	22.553	0.038	1674	15-08-05-300-016

NOTES:

1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2007 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999526011
4. AREAS SHOWN ON THIS PLAT ARE GROUND.

** *Parcel 1KM0006 was acquired by IDOT by doc. no. R2015-093644*

*** *Parcel 1KM0001 was acquired by IDOT by doc. no. R2015-036449*

REVISION DATE: 10/29/18 PER IDOT — REVISION MADE BY: TW
REVISION DATE: 08/22/18 PER IDOT — REVISION MADE BY: TW

IDOT USE ONLY
RECEIVED
OCT 30 2018
PLATS & LEGALS

Ruettiger, Tonelli & Associates, Inc.
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PH. (815) 744-6600 FAX (815) 744-0101
website: www.ruettigertonelli.com

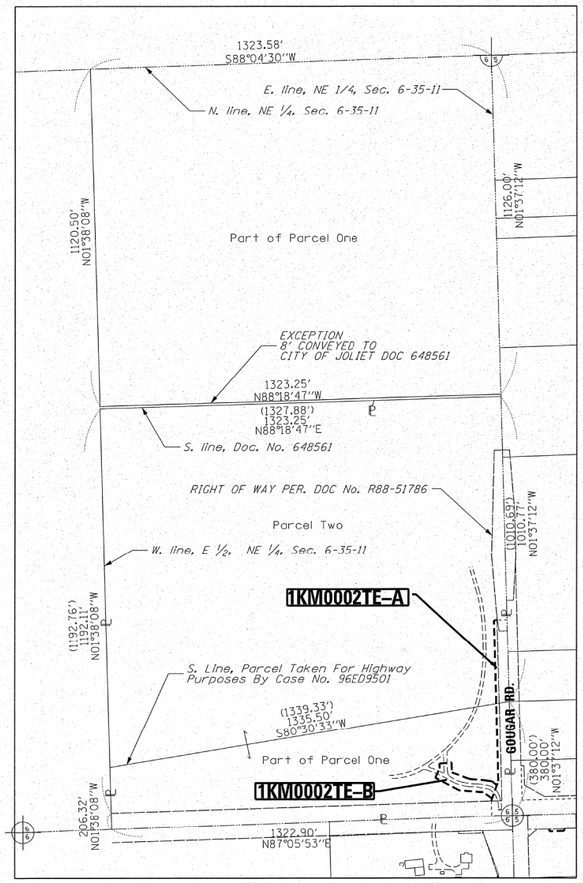
R.T. & A. Dwg. No.: 2013-0651

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
U.S. ROUTE 6

LIMITS: U.S. RTE 6 AT GOUGAR ROAD — COUNTY: WILL
SECTION: — JOB. NO.: R91-022-13
STA. 193+00.00 TO STA. 205+39
SCALE: 1"=50' — SHEET 2A OF 5 SHEETS

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

PART OF THE NE.1/4 OF SECTION 6 TWP. 35 N., R. 11 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.



TOTAL HOLDING
DIAGRAM PARCEL 1KM0002

SCALE: NOT TO SCALE

PROJECT COORDINATES					
Illinois State Plane, East Zone, NAD 83 (2007)					
Pt. Number	Station	Offset		Northing	Easting
1				1780459.404	1073895.577
508	100+00.07	0.00	RT.	1777935.640	1073966.953
580	106+50.17	30.64	LT.	1778584.321	1073915.594
581	106+50.24	40.64	LT.	1778584.038	1073905.598
637	106+49.94	2.36	RT.	1778585.254	1073948.581
908	102+17.38	0.00	RT.	1778152.876	1073961.488
909	109+14.85	0.00	RT.	1778849.918	1073936.878

PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
1KM0002TE-A	42.359	0.000	0.000	42.359	0.157	6841	15-08-06-200-005
1KM0002TE-B					0.214	9302	15-08-06-200-007

NOTES:

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3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999526011
4. AREAS SHOWN ON THIS PLAT ARE GROUND.

LEGEND

SECTION CORNER

QUARTER SECTION CORNER

GRAPHIC SCALE FEET 0 50

SCALE: 1"= 50'

	SECTION / QUARTER SECTION LINE
	PLATTED LOT LINES
℄	PROPERTY (DEED) LINE
APL	APPARENT PROPERTY LINE
	EXISTING CENTERLINE
	PROPOSED CENTERLINE
	EXISTING RIGHT OF WAY LINE
	PROPOSED RIGHT OF WAY LINE
	EXISTING EASEMENT
	PROPOSED EASEMENT
AC	EXISTING ACCESS CONTROL LINE
AC	PROPOSED ACCESS CONTROL LINE
129.32'	MEASURED DIMENSION
129.32' (COMP)	COMPUTED DIMENSION
(129.32')	RECORDED DIMENSION
	EXISTING BUILDING

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2007 ADJUSTMENT), EAST ZONE.

o	IRON PIPE OR ROD FOUND	⊕	"MAG" NAIL SET
+	CUT CROSS FOUND OR SET	●	5 / 8" REBAR SET

- ● T1 T2 T3 — THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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- ■ — STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M — STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/3 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ◒ — PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, KENNETH J. PESAVENTO, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, RUETTIGER, TONELLI & ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001251,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 5 & 6, TOWNSHIP 35 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

FIELD WORK COMPLETED ON 8-20-13.

DATED AT SHOREWOOD, ILLINOIS THIS DAY OF 20 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3425
LICENSE EXPIRATION DATE: 11-30-2018

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

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website: www.ruettigertonelli.com

R.T. & A. Dwg. No.: 2013-0651

REVISION DATE: 10/29/2018/PER IDOT — REVISION MADE BY: TW
REVISION DATE: 06/04/2018/PER IDOT — REVISION MADE BY: TW
REVISION DATE: 05/15/2018/PER IDOT — REVISION MADE BY: TW
REVISION DATE: 06/14/2016/PER IDOT — REVISION MADE BY: TW
REVISION DATE: 09/02/2015 PER IDOT — REVISION MADE BY: TW
REVISION DATE: 06/16/2015 PER IDOT — REVISION MADE BY: TW
REVISION DATE: 02/07/2015 PER IDOT — REVISION MADE BY: TW
REVISION DATE: 01/31/2015 PER IDOT — REVISION MADE BY: TW
REVISION DATE: 12/19/2013 PER IDOT — REVISION MADE BY: TW
REVISION DATE: 12/6/2013 PER IDOT — REVISION MADE BY: RM

IDOT USE ONLY

RECEIVED
OCT 30 2018
PLATS & LEGALS

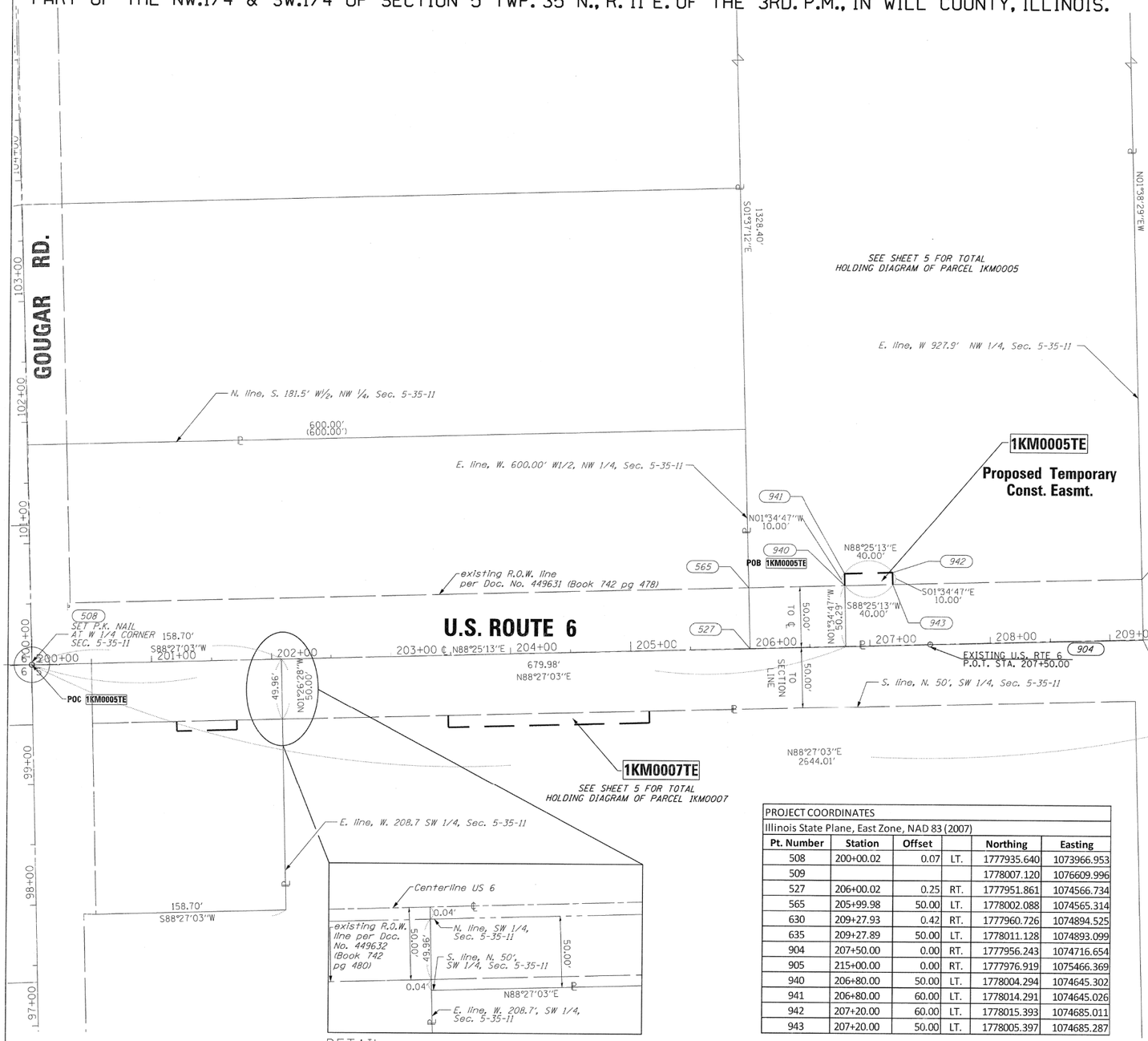
PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
U.S. ROUTE 6

LIMITS: AT GOUGAR ROAD — COUNTY: WILL
SECTION: — JOB NO.: R91-022-13
STA. 103+74.00 TO STA. 106+51.00
SCALE: 1"=50' — SHEET 3 OF 5 SHEETS

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

PART OF THE NW.1/4 & SW.1/4 OF SECTION 5 TWP. 35 N., R. 11 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.



DETAIL

SCALE: NOT TO SCALE

LEGEND

SECTION CORNER

QUARTER SECTION CORNER

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

N

GRAPHIC SCALE FEET 0 50

SCALE: 1"= 50'

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2007 ADJUSTMENT), EAST ZONE.

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5 / 8" REBAR SET
- ● T1 T2 T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, KENNETH J. PESAVENTO, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, RUETTIGER, TONELLI & ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001251,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 5 & 6, TOWNSHIP 35 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

FIELD WORK COMPLETED ON 8-20-13.

DATED AT SHOREWOOD, ILLINOIS THIS DAY OF 20 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3425
LICENSE EXPIRATION DATE: 11-30-2014

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

PROJECT COORDINATES					
Illinois State Plane, East Zone, NAD 83 (2007)					
Pt. Number	Station	Offset		Northing	Easting
508	200+00.02	0.07	LT.	1777935.640	1073966.953
509				1778007.120	1076609.996
527	206+00.02	0.25	RT.	1777951.861	1074566.734
565	205+99.98	50.00	LT.	1778002.088	1074565.314
630	209+27.93	0.42	RT.	1777960.726	1074894.525
635	209+27.89	50.00	LT.	1778011.128	1074893.099
904	207+50.00	0.00	RT.	1777956.243	1074716.654
905	215+00.00	0.00	RT.	1777976.919	1075466.369
940	206+80.00	50.00	LT.	1778004.294	1074645.302
941	206+80.00	60.00	LT.	1778014.291	1074645.026
942	207+20.00	60.00	LT.	1778015.393	1074685.011
943	207+20.00	50.00	LT.	1778005.397	1074685.287

PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
1KM0005TE	68.659	0.000	0.000	68.659	0.009	400	08-05-100-028

NOTES:

1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
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3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.999952601l
4. AREAS SHOWN ON THIS PLAT ARE GROUND.

REVISION DATE: 12/19/2013 PER IDOT REVISION MADE BY: TW
REVISION DATE: 12/6/2013 PER IDOT REVISION MADE BY: RM

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R.T. & A. Dwg. No.: 2013-0651

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
U.S. ROUTE 6

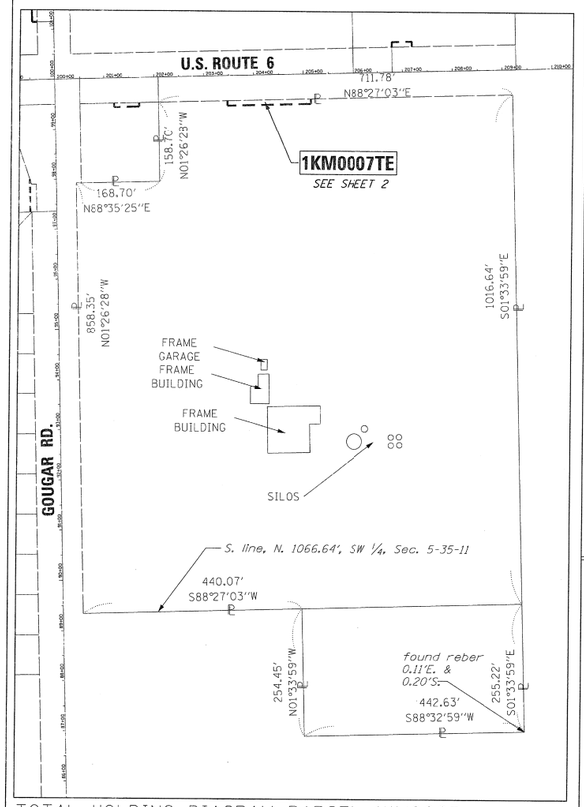
LIMITS: AT GOUGAR ROAD COUNTY: WILL
SECTION: JOB NO.: R91-022-13
STA. 200+00.00 TO STA. 202+50.00
SCALE: 1"=50' SHEET 4 OF 5 SHEETS

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

IDOT USE ONLY

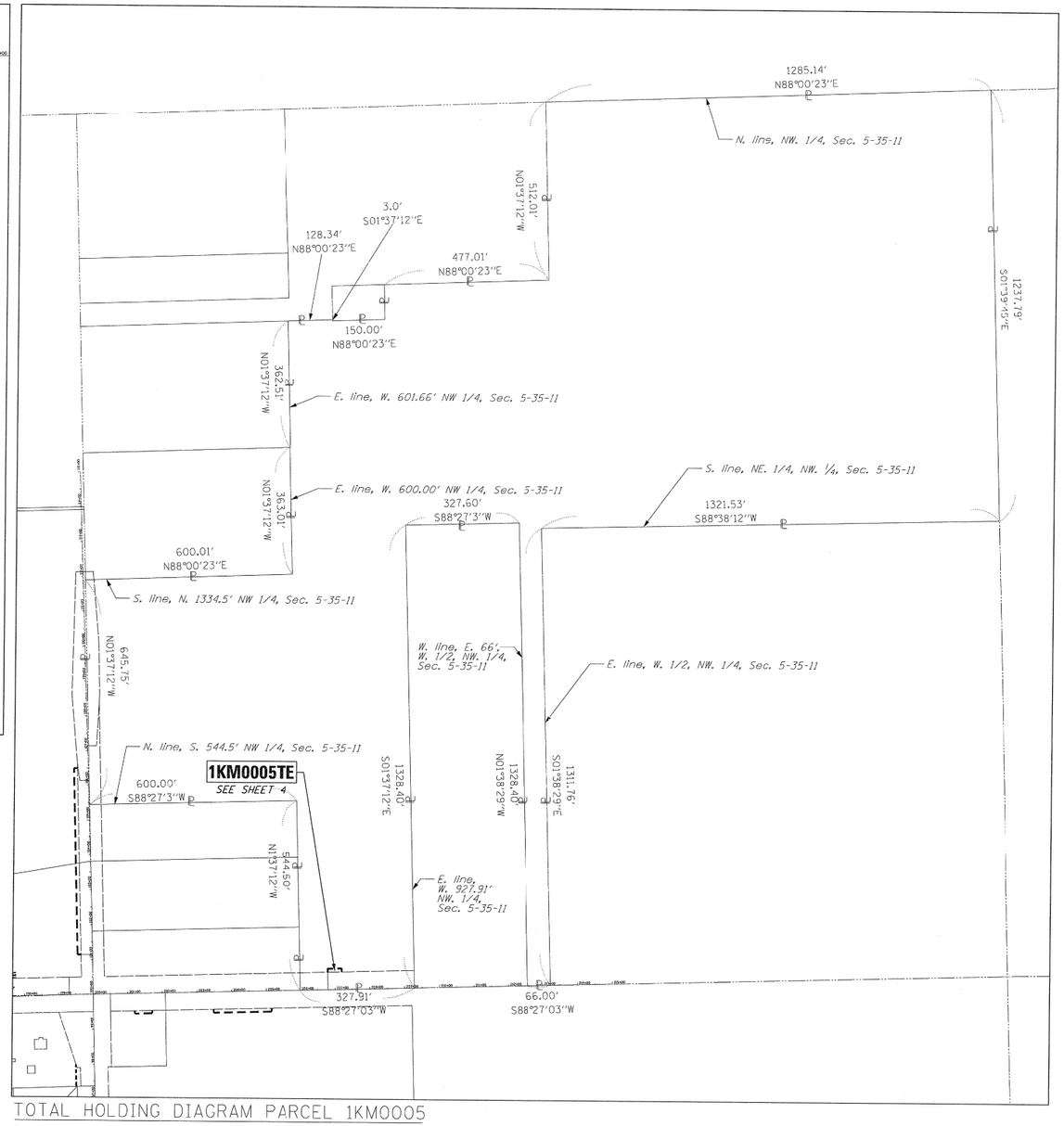
RECEIVED
DEC 23 2013
PLATS & LEGALS

PART OF THE NW.1/4 & SW.1/4 OF SECTION 5 TWP. 35 N., R. 11 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.



TOTAL HOLDING DIAGRAM PARCEL 1KM0007

SCALE: NOT TO SCALE



TOTAL HOLDING DIAGRAM PARCEL 1KM0005

SCALE: NOT TO SCALE

NOTES:

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4. AREAS SHOWN ON THIS PLAT ARE GROUND.

LEGEND

SECTION CORNER

QUARTER SECTION CORNER

GRAPHIC SCALE
FEET
0 50
SCALE: 1"= 50'

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

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- ○ IRON PIPE OR ROD FOUND
- ⊕ 'MAG' NAIL SET
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- ● 5 / 8" REBAR SET

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R.T. & A. Dwg. No.: 2013-0651

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
U.S. ROUTE 6

LIMITS: @ AT GOUGAR ROAD — COUNTY: WILL
SECTION: — JOB NO.: R91-022-13
STA. TO STA.
SCALE: 1"=50' — SHEET 5 OF 5 SHEETS

IDOT USE ONLY

RECEIVED
DEC 23 2013
PLATS & LEGALS

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

REVISION DATE: 12/6/2013 PER IDOT REVISION MADE BY: RM

EROSION CONTROL NOTES

1. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT S BEST MANAGEMENT PRACTICES MAINTENANCE GUIDE: (HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION-SYSTEM/ENVIRONMENT/EROSION-AND-SEDIMENT-CONTROL).

2. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.

3. THE CONTRACTOR SHALL CHECK ALL ESC MEASURES WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.

4. THE CONTRACTOR SHOULD PROVIDE TO THE RE A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED, SO THAT FLOW WILL NOT ERODE. LACK OF APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.

5. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.

6. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE.

7. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.

8. EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE RE.

9. THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. ALL CONDITIONS OF THE 404 PERMIT, FOUND IN THE SPECIAL PROVISIONS, MUST BE FOLLOWED. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN (INCLUDING WORK WITHIN WETLANDS) TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES (INCLUDING WORK WITHIN WETLANDS) CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN (INCLUDING WORK WITHIN WETLANDS) WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

10. "WETLANDS NO INTRUSION" SIGNAGE SHOULD ALSO BE PROVIDED AT THE BOUNDARY OF ALL UN-IMPACTED WETLANDS AND/OR WOUS. THE CONTRACTOR CAN BORROW THE SIGNS FROM THE BUREAU OF MAINTENANCE. INCLUDE TEMPORARY FENCING AND WETLAND SIGNAGE WITHIN THE EROSION AND SEDIMENT CONTROL STRATEGY.

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Default	PLOT DATE = 12/13/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN NOTES
U.S. RTE 6 AT GOUGAR ROAD

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

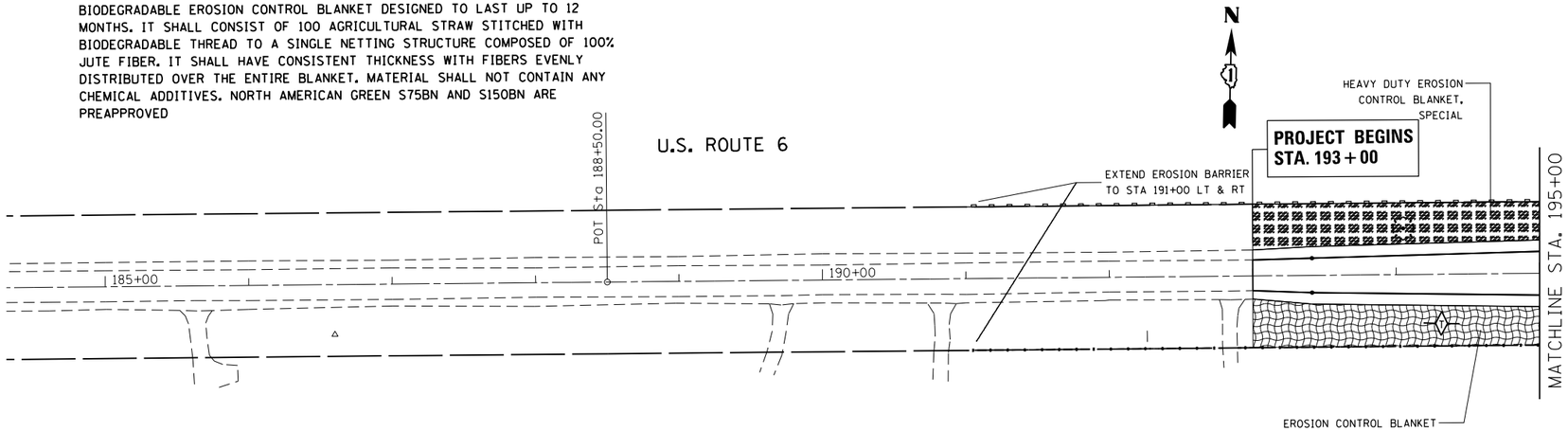
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-12(2)	WILL	100	33
		CONTRACT NO. 60V40		
	ILLINOIS	FED. AID PROJECT		

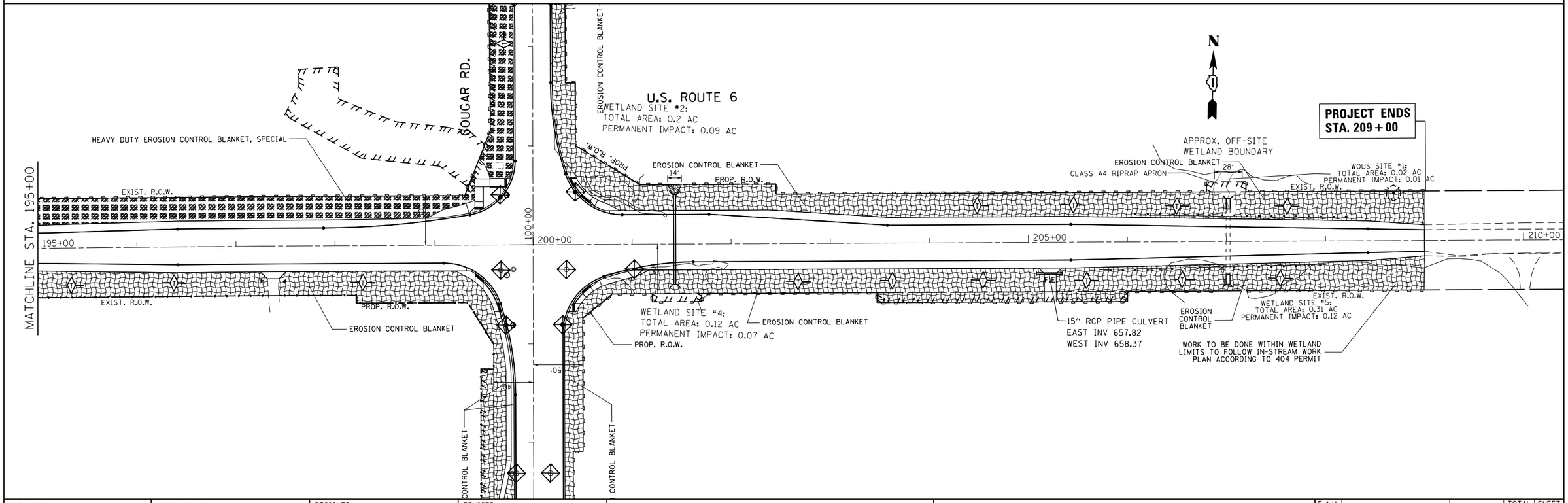
LEGEND

- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECK
- DIRECTION OF DITCH FLOW
- PERIMETER EROSION BARRIER
- — xxx — xxx — TEMPORARY FENCE
- HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL
- EROSION CONTROL BLANKET

EROSION CONTROL NOTE:

HEAVY DUTY EROSION CONTROL BLANKET SHALL BE A SHORT-TERM BIODEGRADABLE EROSION CONTROL BLANKET DESIGNED TO LAST UP TO 12 MONTHS. IT SHALL CONSIST OF 100 AGRICULTURAL STRAW STITCHED WITH BIODEGRADABLE THREAD TO A SINGLE NETTING STRUCTURE COMPOSED OF 100% JUTE FIBER. IT SHALL HAVE CONSISTENT THICKNESS WITH FIBERS EVENLY DISTRIBUTED OVER THE ENTIRE BLANKET. MATERIAL SHALL NOT CONTAIN ANY CHEMICAL ADDITIVES. NORTH AMERICAN GREEN S75BN AND S150BN ARE PREAPPROVED





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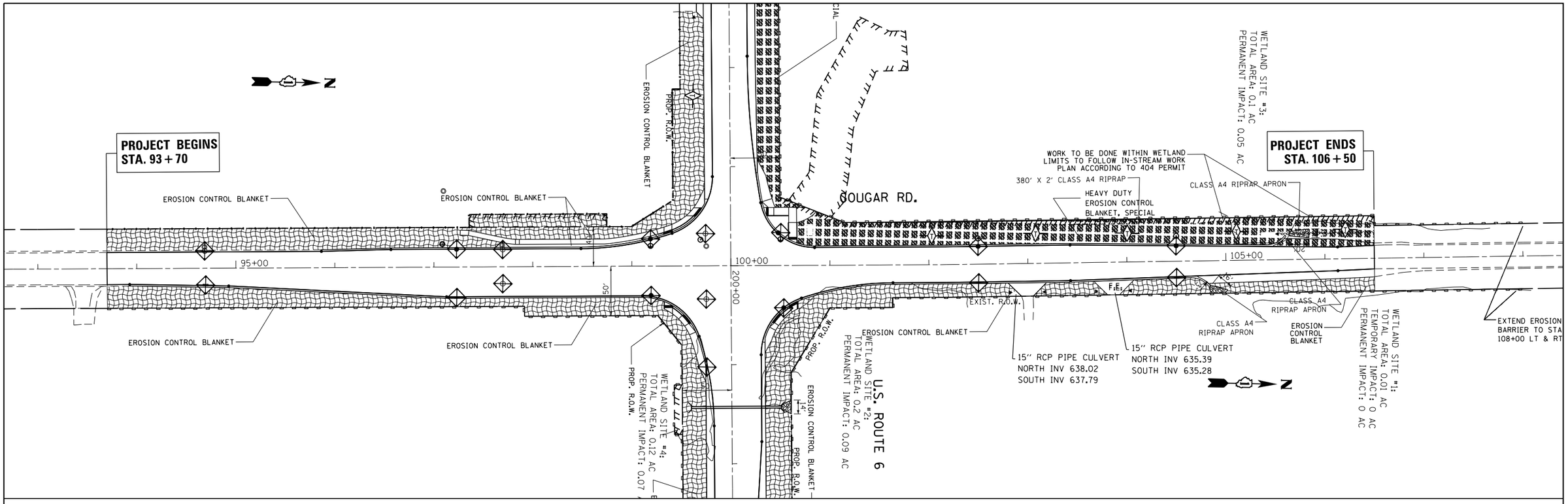
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 12/13/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN
U.S. ROUTE 6 AT GOUGAR RD.

SCALE: 1"=50' | SHEET OF SHEETS | STA. 93+70 TO STA. 106+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	34
		CONTRACT NO. 60V40		
		ILLINOIS FED. AID PROJECT		



LEGEND

- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECK
- DIRECTION OF DITCH FLOW
- PERIMETER EROSION BARRIER
- — xxx — xxx — TEMPORARY FENCE
- HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL
- EROSION CONTROL BLANKET

EROSION CONTROL NOTE:

HEAVY DUTY EROSION CONTROL BLANKET SHALL BE A SHORT-TERM BIODEGRADABLE EROSION CONTROL BLANKET DESIGNED TO LAST UP TO 12 MONTHS. IT SHALL CONSIST OF 100 AGRICULTURAL STRAW STITCHED WITH BIODEGRADABLE THREAD TO A SINGLE NETTING STRUCTURE COMPOSED OF 100% JUTE FIBER. IT SHALL HAVE CONSISTENT THICKNESS WITH FIBERS EVENLY DISTRIBUTED OVER THE ENTIRE BLANKET. MATERIAL SHALL NOT CONTAIN ANY CHEMICAL ADDITIVES. NORTH AMERICAN GREEN S75BN AND S150BN ARE PREAPPROVED

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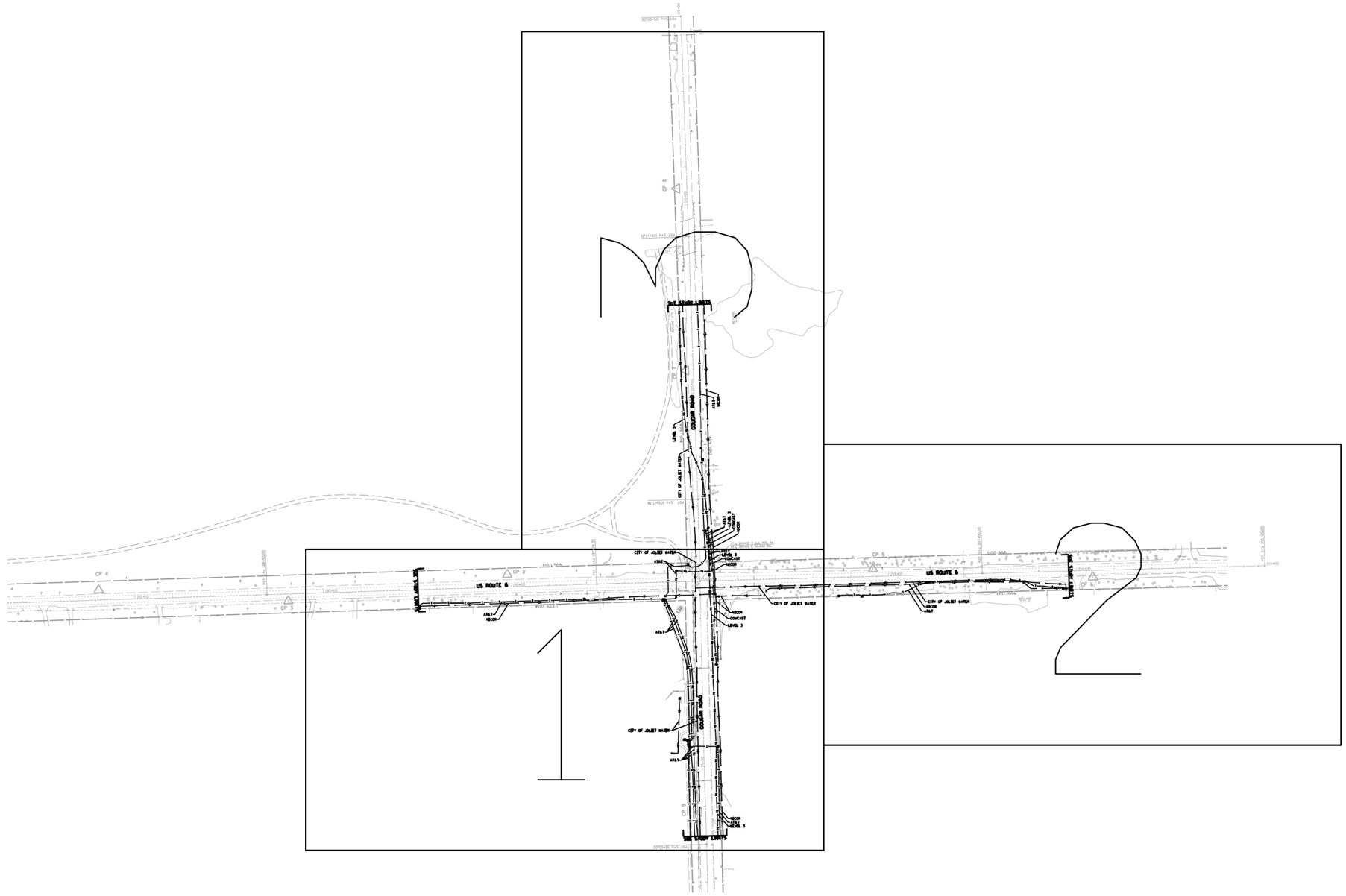
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 12/13/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN
U.S. ROUTE 6 AT GOUGAR RD.

SCALE: 1"=50' | SHEET OF SHEETS | STA. 93+70 | TO STA. 106+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	35
		CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			



A — A —	AERIAL
— — — — — — — — — —	UNKNOWN
O — O —	OIL
CTV — CTV —	CABLE TV
T — T —	TELEPHONE
G — G —	GAS
E — E —	ELECTRIC
W — W —	WATER
FO — FO —	FIBER OPTIC
⌖	TBE TEST HOLE

UTILITY OWNERS

AT&T - FIBER OPTIC
AT&T - TELEPHONE
CITY OF JOLIET WATER - WATER
COMCAST - FIBER OPTIC
LEVEL 3 - FIBER OPTIC
NICOR - GAS

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's SUE field investigation was performed 4/02/15 through 4/15/15. Changes to utilities after 4/15/15 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.

Cardno TBE

CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com

TBE Job No. IL09510649
SUE Plan Page: Cover

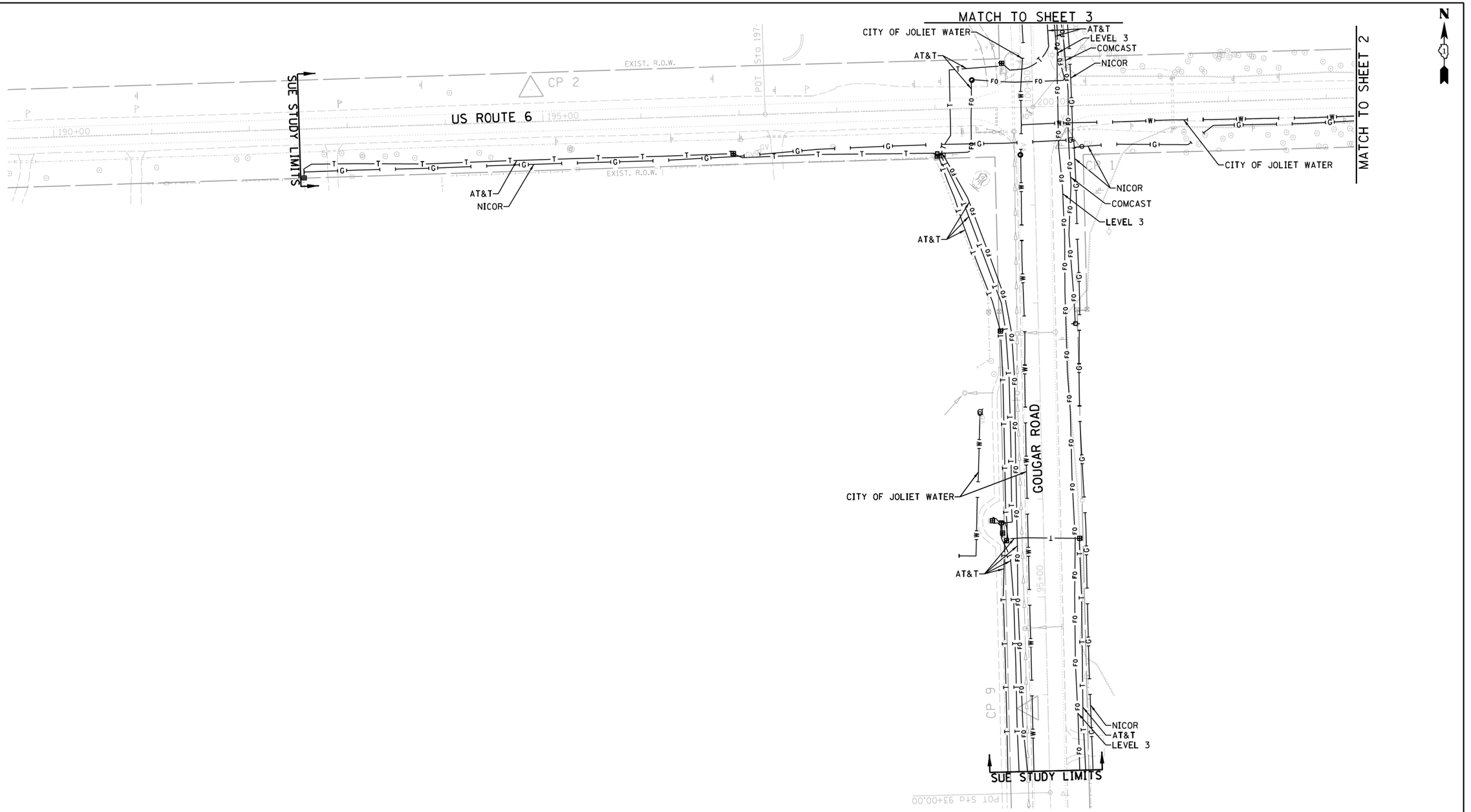
Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	MS	REVISED
DRAWN	SRK	REVISED
CHECKED	MGR	REVISED
DATE	5/04/15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 6 at Gouger Road
Joliet, Illinois

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	Will	100	36
		Contract No. 60V40		
FED. ROAD DIST. NO.	ILLINOIS	IDOT Project No.		



A — A —	AERIAL
— — — — — — — — —	UNKNOWN
O — O —	OIL
CTV — CTV —	CABLE TV
T — T —	TELEPHONE
G — G —	GAS
E — E —	ELECTRIC
W — W —	WATER
FO — FO —	FIBER OPTIC
⌖	TBE TEST HOLE

UTILITY OWNERS

AT&T - FIBER OPTIC
AT&T - TELEPHONE
CITY OF JOLIET WATER - WATER
COMCAST - FIBER OPTIC
LEVEL 3 - FIBER OPTIC
NICOR - GAS

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20 0 METERS 20 40
50 0 FEET 50 100

Cardno TBE

CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com

TBE Job No. IL09510649
SUE Plan Page: 1 of 3

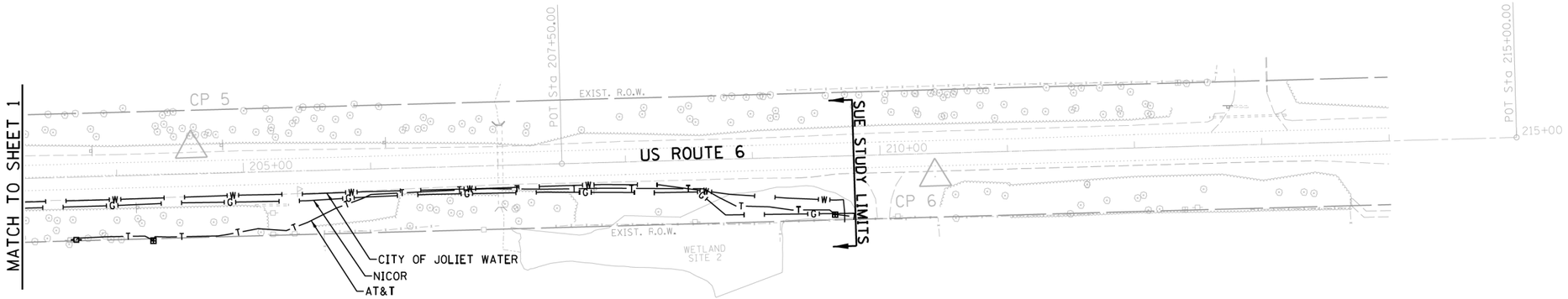
Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	MS	REVISED
DRAWN	SRK	REVISED
CHECKED	MGR	REVISED
DATE	5/04/15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 6 at Gouger Road
Joliet, Illinois

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	Will	100	37
		Contract No. 60V40		
FED. ROAD DIST. NO.	ILLINOIS	IDOT Project No.		



A AERIAL
UNKNOWN
OIL
CTV CABLE TV
T TELEPHONE
G GAS
E ELECTRIC
W WATER
FO FIBER OPTIC
TBE TEST HOLE

UTILITY OWNERS
AT&T - FIBER OPTIC
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20 0 METERS 20 40
50 0 FEET 50 100

Cardno TBE

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(815) 744-3720 claassenwhite@cwasurvey.com

TBE Job No. IL09510649
SUE Plan Pages 2 of 3

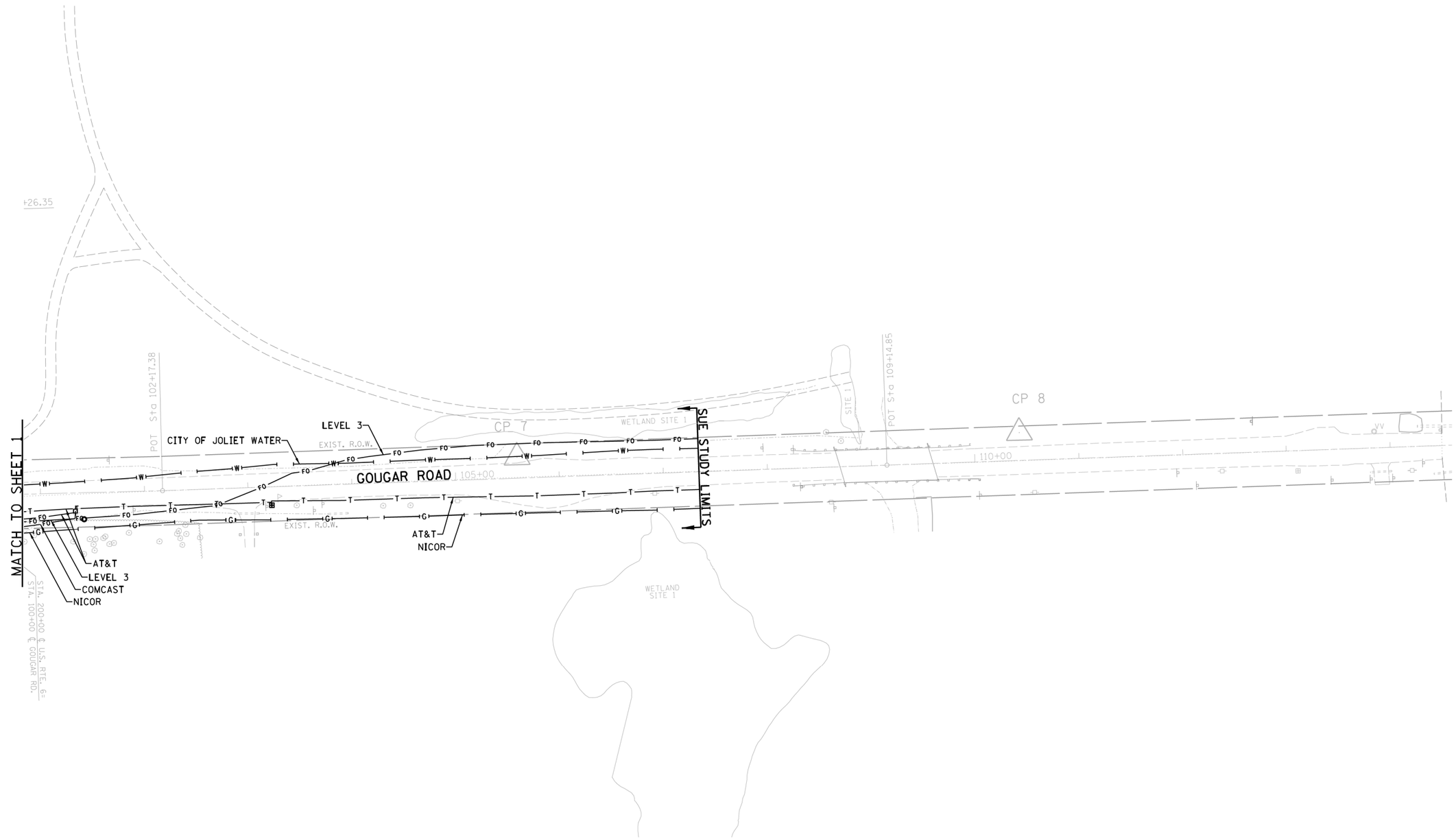
Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	MS	REVISED
DRAWN	SRK	REVISED
CHECKED	MGR	REVISED
DATE	5/04/15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 6 at Gouger Road
Joliet, Illinois

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	Will	100	38
		Contract No. 60V40		
FED. ROAD DIST. NO.	ILLINOIS	IDOT Project No.		



A AERIAL
UNKNOWN
OIL
CTV CABLE TV
T TELEPHONE
G GAS
E ELECTRIC
W WATER
FO FIBER OPTIC
TBE TEST HOLE

UTILITY OWNERS

AT&T - FIBER OPTIC
AT&T - TELEPHONE
CITY OF JOLIET WATER - WATER
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20 0 METERS 20 40
50 0 FEET 50 100

Cardno TBE

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TBE Job No. IL09510649
SUE Plan Pages 3 of 3

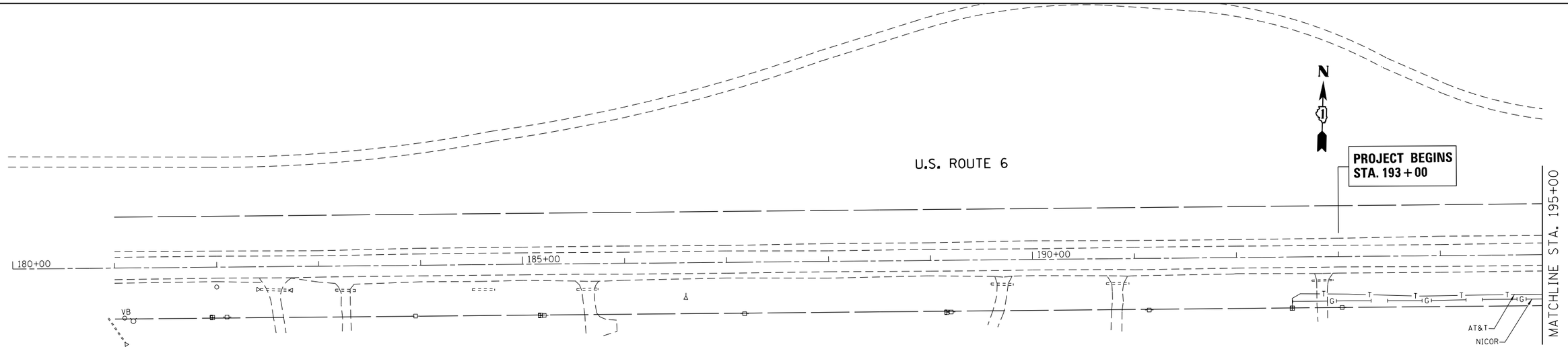
Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	MS	REVISED
DRAWN	SRK	REVISED
CHECKED	MGR	REVISED
DATE	5/04/15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 6 at Gouger Road
Joliet, Illinois

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	Will	100	39
		Contract No. 60V40		
FED. ROAD DIST. NO.	ILLINOIS	IDOT Project No.		



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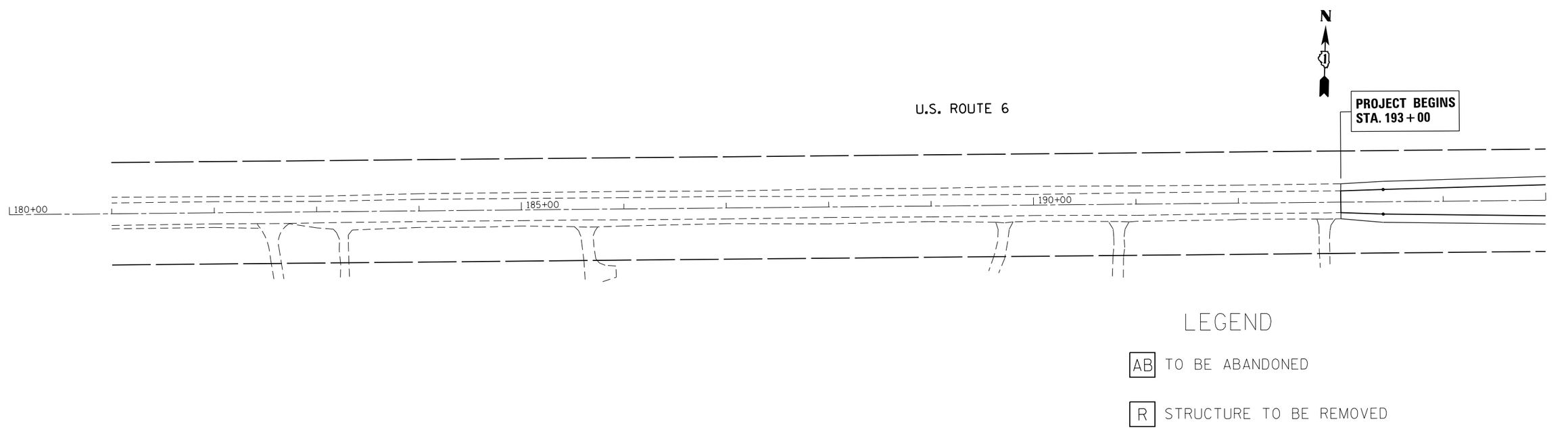

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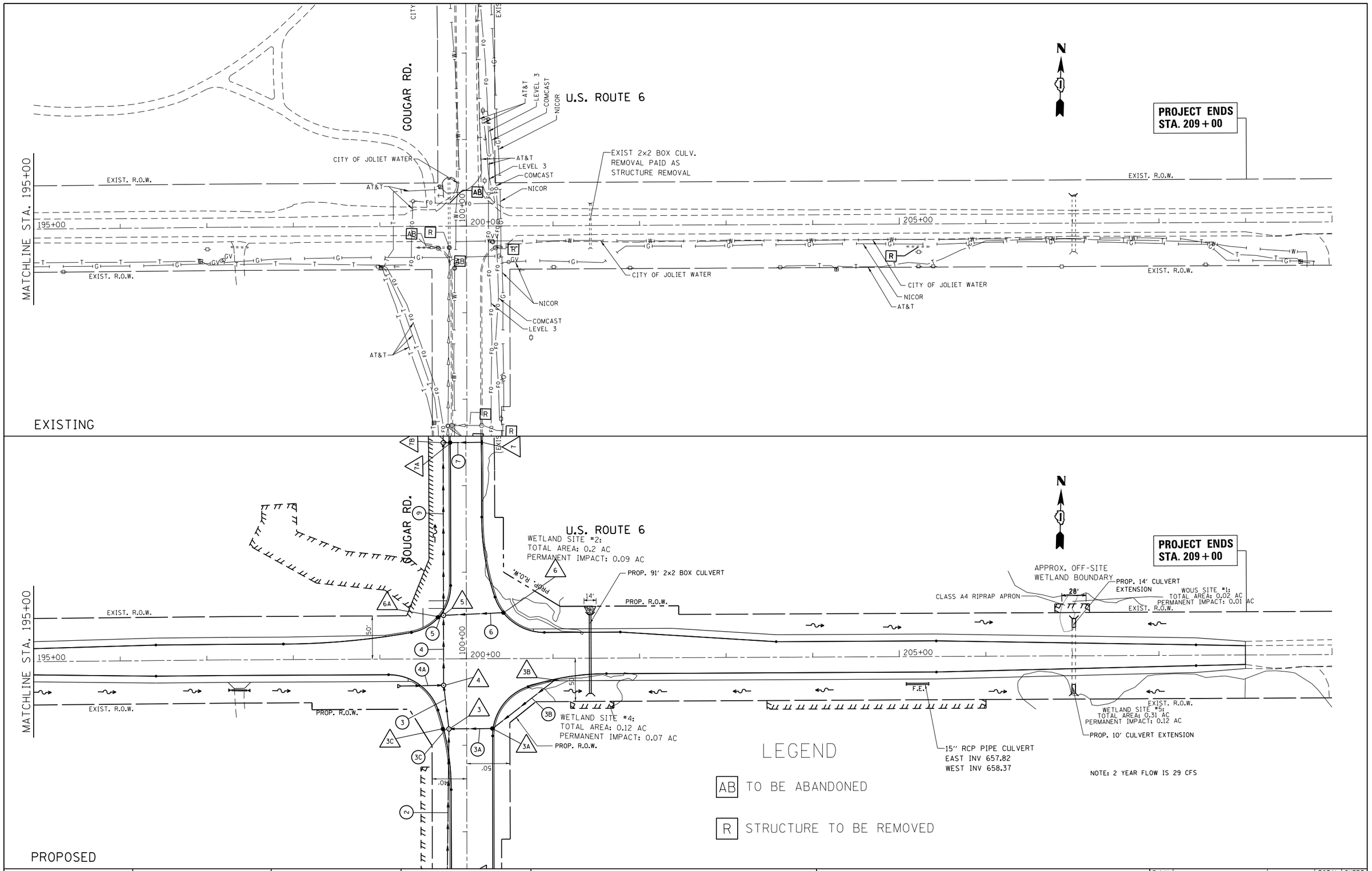
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE & UTILITY PLAN
U.S. ROUTE 6 AT GOUGAR RD.

SCALE: 1"=50' | SHEET OF SHEETS | STA. 193+00 TO STA. 195+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	40
		CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			



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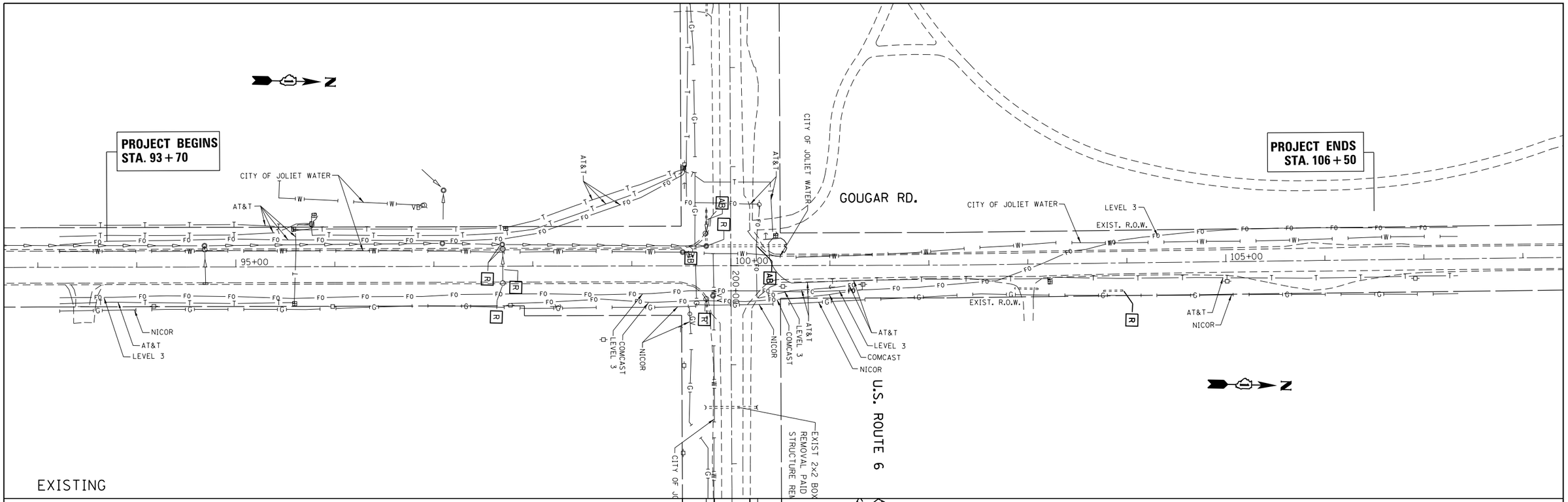
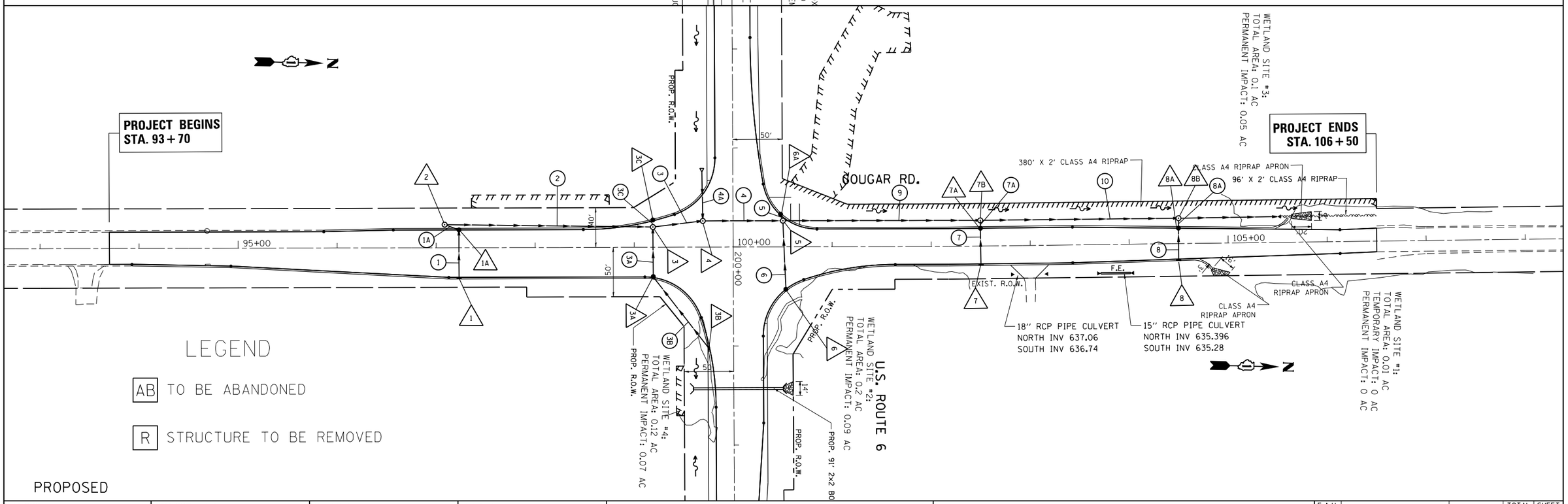
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE & UTILITY PLAN
U.S. ROUTE 6 AT GOUGAR RD.

SCALE: 1"=50' | SHEET OF SHEETS | STA. 195+00 TO STA. 209+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	41
		CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			





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Default	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/27/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE & UTILITY PLAN
U.S. ROUTE 6 AT GOUGAR RD.

SCALE: 1"=50' | SHEET OF SHEETS | STA. 93+70 | TO STA. 106+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	42
		CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			

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

PROFILE		BY	DATE
	SURVEYED		
	PLOTTED		
	PROFILE CHECKED		
NOTE BOOK	B.M. NOTED		
NO.	STRUCTURE NOTATNS CHKD		

685 680 675 670 665 660 655 650 645 640 635 630 625 620 615 610 605 600

EXIST. ℄ PROFILE FOR GOUGAR RD.

PROJECT ENDS
STA. 93+70

S06 Manhole, Type A, 5 DIA - Concentric
RIM = 669.97

206.27'
21" STORM SEW WM REQ
Storm Sewer (Water Main Requirements) 21"
Slope = 2.29%
2
6A 661.67 1.00

S03 Manhole, Type A, 5 DIA - Concentric
RIM = 662.16

S04 Manhole, Type A, 5 DIA - Concentric
RIM = 661.25

S05 Manhole, Type A, 5 DIA - Concentric
RIM = 658.92

6C 658.16 1.00
6A 656.66 1.50
6A 654.53 1.00

℄ U.S. RTE. 6

175.82'
27" RCCP TY 2
Pipe Culverts Type 2 RCCP 27"
Slope = 1.36%
5
6A 653.97 1.00
6A 653.12 1.00

45.84'
12" STORM SEW WM REQ
Storm Sewer (Water Main Requirements) 12"
Slope = 1.22%
3

194.51'
36" STORM SEW WM REQ
Storm Sewer (Water Main Requirements) 36"
Slope = 1.03%
9
6A 639.64 1.00

S07B Manhole, Type A, 5 DIA - Concentric
RIM = 643.55

195.00'
36" STORM SEW WM REQ
Storm Sewer (Water Main Requirements) 36"
Slope = 1.03%
10
9A 632.65 1.00

S08 Manhole, Type A, 5 DIA - Concentric
RIM = 637.20

ES3 CAST-IN-PLACE REINFORCED CONC END SEC 36"
RIM = 634.69

97.50'
36" STORM SEW WM REQ
Storm Sewer (Water Main Requirements) 36"
Slope = 0.58%
11

PROJECT ENDS
STA. 106+50

93+00	94+00	95+00	96+00	97+00	98+00	99+00	100+00	101+00	102+00	103+00	104+00	105+00	106+00	107+00	108+00
683.95	680.88 681.15	679.35	677.24 677.52	675.64	673.42 673.77	671.89	669.78 670.06	668.23	666.07 666.40	664.57	662.45 662.74	662.04	661.01 661.33	658.97	653.50 653.79	650.08	646.07 646.36	643.75	640.84 641.13	639.41	637.60 637.91	636.85	635.49 635.79	635.33	634.58 634.87	634.98	635.38	636.42

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PROFILE
U.S. ROUTE 6 AT GOUGAR RD.

SCALE: 1"=50' VER
SCALE: 1"=50' HOR | SHEET OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	43
		CONTRACT NO. 60V40		
		ILLINOIS FED. AID PROJECT		

DRAINAGE STRUCTURES TABLE

	NO.	STATION	OFFSET (FT)	STRUCTURE TYPE			DIA (FT)	F&G TYPE	RIM ELEV (FT)	INVERT (FT)	INVERT (FT)	INVERT (FT)	INVERT (FT)
				MH	CB	INLET							
	1	97+23.03	30.78 RT			A	2	1 OL	668.76	662.77 W			
	1A	97+23.07	18.03 LT		A		4	1 OL	668.94	661.854 E	661.854 S		
	2	97+08.68	23.28 LT	A			5	1 OL	669.97	660.92 N	661.67 E		
	3	99+18.92	20.43 LT	A			5	1 OL	662.16	653.53 N	656.219 S	654.53 E	658.161 W
	3A	99+19.28	30.12 RT		A		4	1 OL	662.01	655.868 W	655.868 E		
	3B	99+75.20	102.18 RT			A	2	1 OL	660.75	656.75 E			
	3C	99+18.92	27.45 LT		C		2	1 OL	662.19	658.19 E			
	4	99+69.40	26.44 LT	A			5	1 OL	661.55	652.903 N	652.971 S	656.637 W	
	5	100+50.23	26.41 LT	A			5	1 OL	658.29	639.678 N	651.875 S	653.967 E	653.125 W
	6	100+53.17	42.8 RT		A		4	1 OL	657.49	653.45 W			
	6A	100+47.96	33.01 LT		C		2	1 OL	658.51	654.002 E			
	7	102+50.00	19 RT			A	2	1 OL	643.42	639.83 W			
NO SUMP	7A	102+50.00	18 LT		A		4	1 OL	643.42	639.68 E	639.68 W		
	7B	102+50.00	26 LT	A			5	1 OL	643.555	634.114 N	637.68 S	639.636 E	
	8	104+50.00	16.42 RT			A	2	1 OL	636.38	632.83 W			
NO SUMP	8A	104+50.00	15.62 LT		A		4	1 OL	636.38	632.7 E	632.7 W		
	8B	104+50.00	25.62 LT	A			5	1 OL	637.2	632.114 N	632.114 S	632.657 E	
	FES2	99+68.55	76.43 LT					OL	662.8	658.3			
	* FES1	105+50.00	26.01 LT					OL	634.69	631.549			

*CONCRETE END SECTION STANDARD 542001

DRAINAGE NOTES:

1. STORM WATER STRUCTURE OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS ARE TO THE CENTER OF STRUCTURE.

2. DRAINAGE PIPE AND STRUCTURE LOCATIONS ARE BASED ON PROPOSED DRAINAGE PLAN ALIGHNMENT OFF GOUGAR ROAD

3. THE COST OF STEEL GRATING FOR ALL FLARED END SECTIONS SHALL BE CONSIDERED AS INCLUDED IN THE COST OF PRECAST FLARED END SECTIONS

DRAINAGE PIPE TABLE

NO.	PIPE LOCATION		STATION - STATION			DESCRIPTION / COMMENTS	DIA (IN)	LENGTH (FT)	SLOPE (%)	TRENCH BACKFILL (CY)	WATER MAIN QUALITY
	FROM STR.	TO STR.									
1	1	1A	97+23.03	-	97+23.07	SS. CLASS A, TYPE 2	12	46	2.00%	11	NO
1A	1A	2	97+08.68	-	97+23.07	SS. CLASS A, TYPE 2	12	11	1.70%	3	YES
2	2	3	97+08.68	-	99+18.92	SS. CLASS A, TYPE 2	21	205	2.29%	57	YES
3	3	4	99+18.92	-	99+69.40	SS. CLASS A, TYPE 2	12	46	1.22%	15	YES
3A	3A	3	99+18.92	-	99+19.28	SS. CLASS A, TYPE 2	12	46	2.91%	12	YES
3B	3B	3A	99+19.28	-	99+75.20	SS. CLASS A, TYPE 2	12	88	1.00%	0	NO
3C	3C	3	99+18.92	-	99+18.92	SS. CLASS A, TYPE 2	12	4	0.82%	1	YES
4	4	5	99+69.40	-	100+50.23	SS. CLASS A, TYPE 2	27	76	1.36%	21	YES
4A	FES2	4	99+68.55	-	99+69.40	SS. CLASS A, TYPE 2	18	48	3.50%	8	NO
5	6A	5	100+47.96	-	100+50.23	SS. CLASS A, TYPE 2	12	3	1.01%	1	NO
6	6	5	100+50.23	-	100+53.17	SS. CLASS A, TYPE 2	12	65	0.50%	11	NO
7	7	7A	102+50.00	-	102+50.00	SS. CLASS A, TYPE 2	12	34	0.44%	5	NO
7A	7A	7B	102+50.00	-	102+50.00	SS. CLASS A, TYPE 2	12	4	1.26%	0	YES
8	8	8A	104+50.00	-	104+50.00	SS. CLASS A, TYPE 2	12	29	0.45%	4	YES
8A	8A	8B	104+50.00	-	104+50.00	SS. CLASS A, TYPE 2	12	5	0.78%	1	YES
9	5	7B	100+50.23	-	102+50.00	SS. CLASS A, TYPE 2	36	195	1.03%	0	YES
10	7B	8B	102+50.00	-	104+50.00	SS. CLASS A, TYPE 2	36	195	1.03%	0	YES
11	8B	FES1	104+50.00	-	105+50.00	SS. CLASS A, TYPE 2	36	98	0.58%	0	YES

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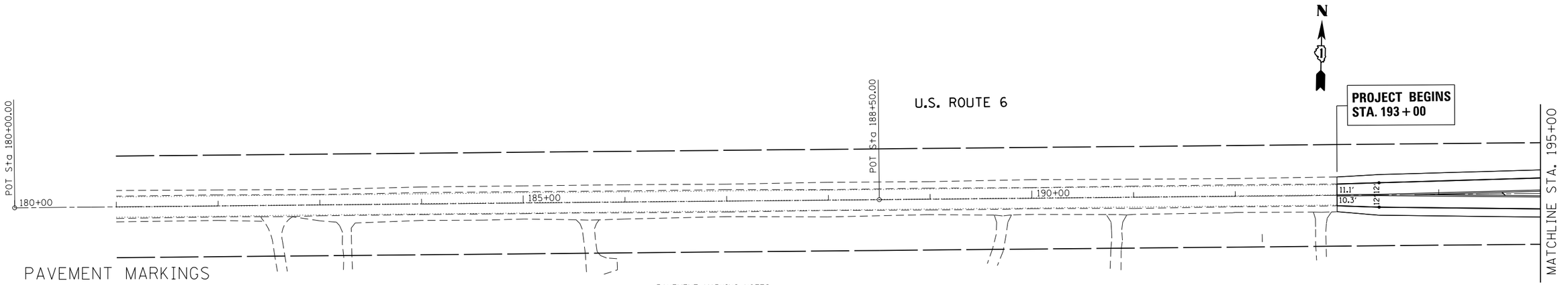
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 6 AT GOUGAR RD
DRAINAGE SCHEDULE

SCALE: 1"=50' | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	44
		CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			



PAVEMENT MARKINGS LEGEND

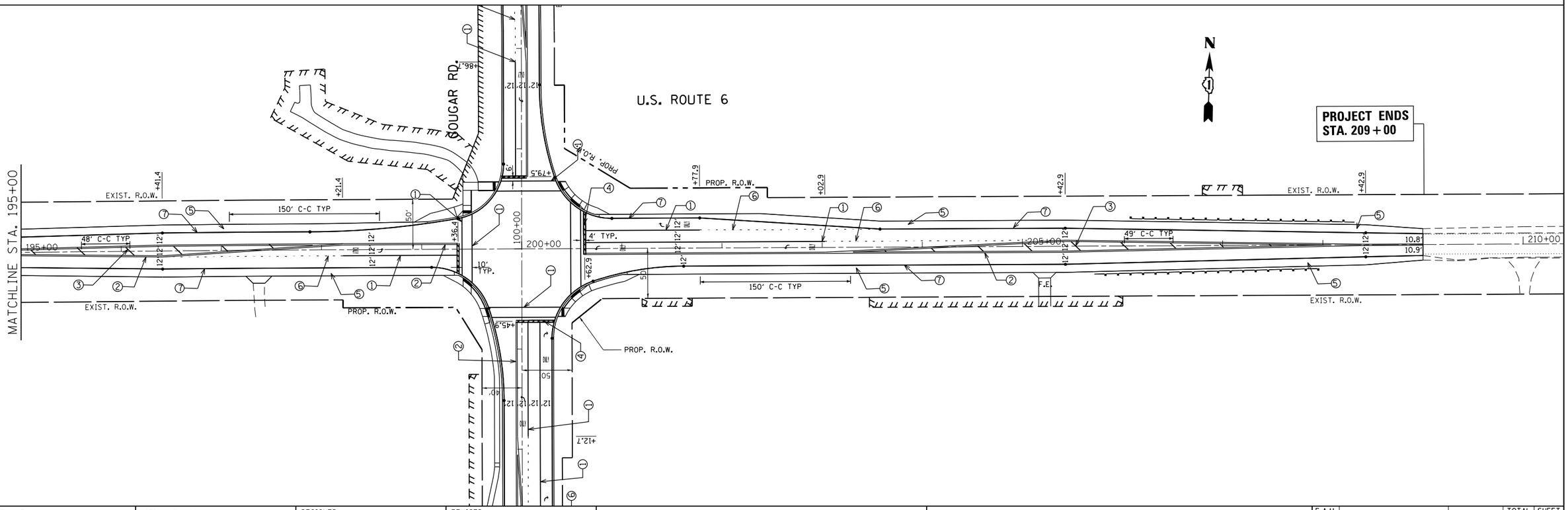
① THERMOPLASTIC SOLID WHITE, 6''
② THERMOPLASTIC DOUBLE YELLOW, 4''
③ THERMOPLASTIC SOLID YELLOW, 12''
④ THERMOPLASTIC STOP BAR, 24''
⑤ THERMOPLASTIC SOLID WHITE, 12''
⑥ THERMOPLASTIC DOTTED SKIP DASH, 4''
⑦ THERMOPLASTIC SOLID WHITE, 4''

PAVEMENT MARKING NOTES:

1. ALL FINAL PAVEMENT MARKINGS SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)" STANDAF DETAIL.

2. ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE)

3. ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH DISTRICT ONE "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)" STANDARD DETAIL.



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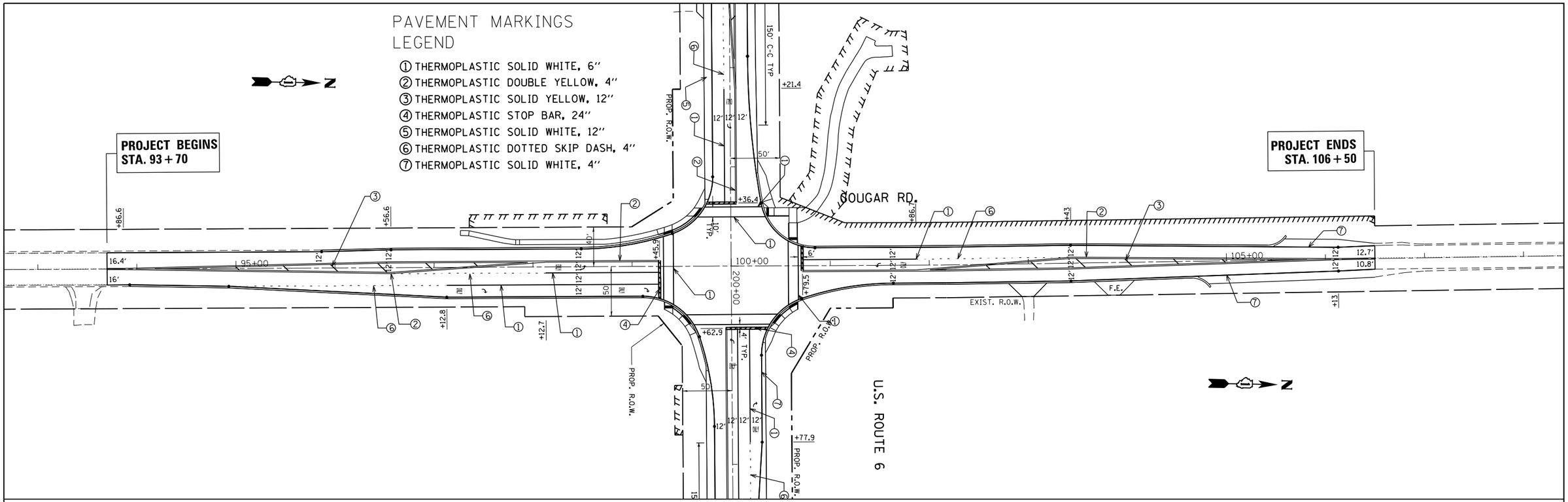
	PLOT DATE = 12/13/2019	DATE -	REVISED -					

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	45
		CONTRACT NO. 60V40		
		ILLINOIS	FED. AID PROJECT	



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED PAVEMENT MARKING PLAN
U.S. ROUTE 6 AT GOUGAR RD.

SCALE: 1''=50' | SHEET OF SHEETS | STA. 93+70 TO STA. 106+50

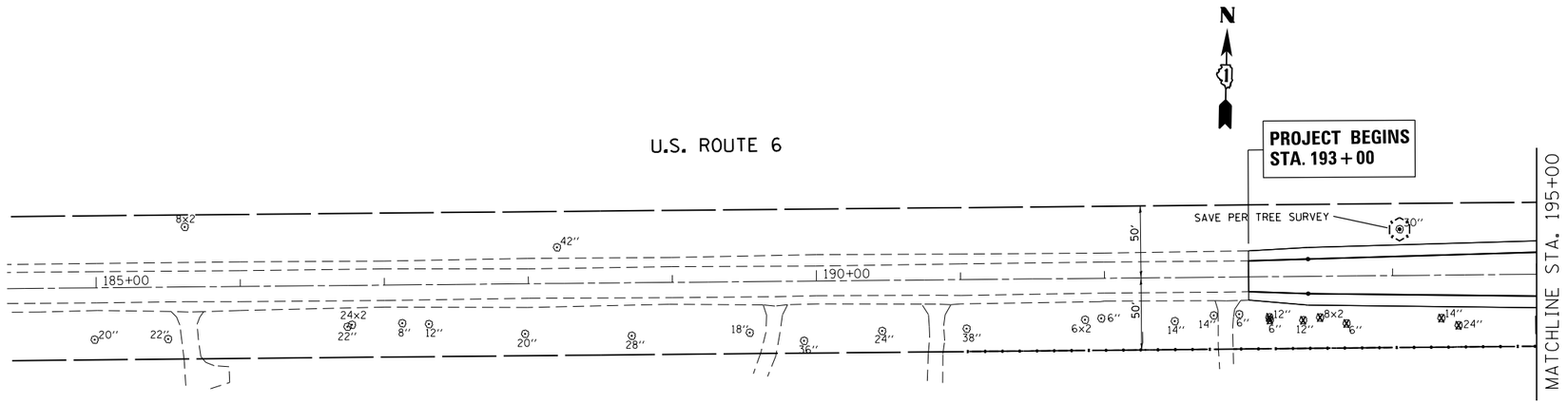
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	46
		CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			

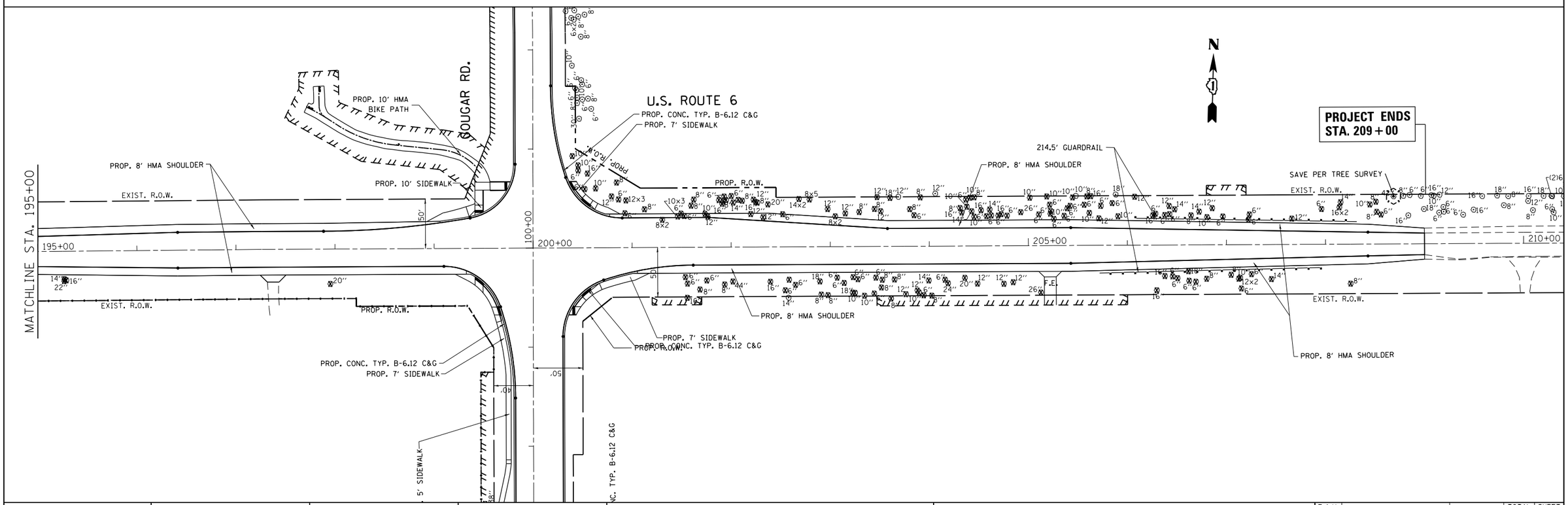
LEGEND

X — TREE REMOVAL

— xxx — xxx — TEMPORARY FENCE

NOTE:
TREE PROTECTION FENCING SHALL BE PLACED ALONG THE DRIP LINE





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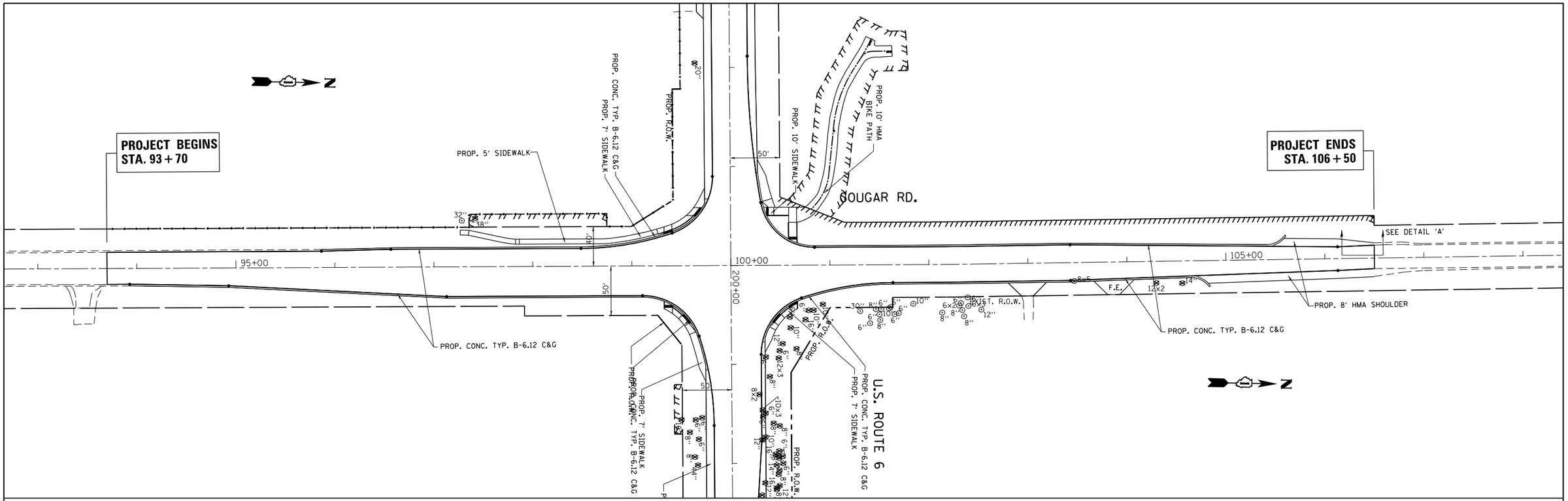
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TREE REMOVAL PLAN
U.S. ROUTE 6 AT GOUGAR RD.

SCALE: 1"=50' | SHEET OF SHEETS | STA. 93+70 | TO STA. 106+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	47
		CONTRACT NO. 60V40		
		ILLINOIS FED. AID PROJECT		



LEGEND

X — TREE REMOVAL

— xxx — xxx — TEMPORARY FENCE

NOTE:
TREE PROTECTION FENCING SHALL BE PLACED ALONG THE DRIP LINE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TREE REMOVAL PLAN
U.S. ROUTE 6 AT GOUGAR RD.

SCALE: 1"=50' | SHEET OF SHEETS | STA. 93+70 TO STA. 106+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	48
		CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			

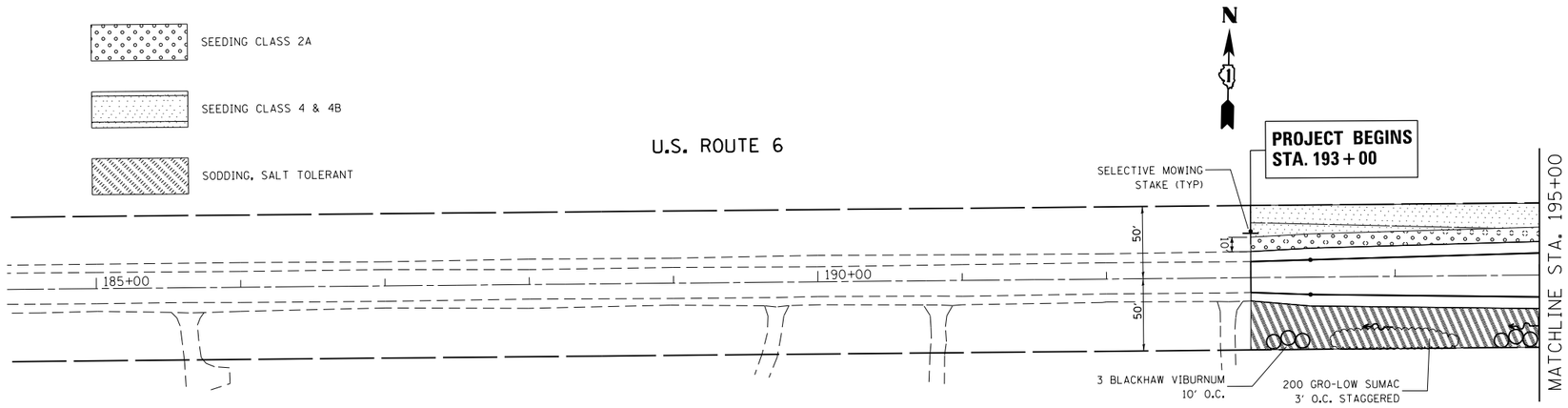
LANDSCAPING PLANT SCHEDULE		
DESCRIPTION	UNIT	TOTAL
TREE, OSTRYA VIRGINIANA (AMERICAN HOPHORNBEAM), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	10
TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	6
TREE, QUERCUS RUBRA (RED OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	5
SHRUB, VIRBURNUM PRUNIFOLIUM (BLACKHAW VIBURNUM), 4' HEIGHT, BALLED AND BURLAPPED	EACH	31
SHRUB, RHUSAROMATICA GRO-LOW (GRO-LOW FRAGARN SUMAC), 2' WIDTH, CONTAINER	EACH	200
SHRUB, SAMBUCUS CANADENSIS (AMERICAN ELDER), 2' HEIGHT, CONTAINER	EACH	60
PERENNIAL PLANTS, WETLAND TYPE, 2" DIAMETER BY 4" DEEP PLUG	UNIT	12
PERENNIAL PLANT CARE	SQ YD	400
WEED CONTROL, AQUATIC	GALLON	1
WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	15
SELECTIVE MOWING STAKES	EACH	9

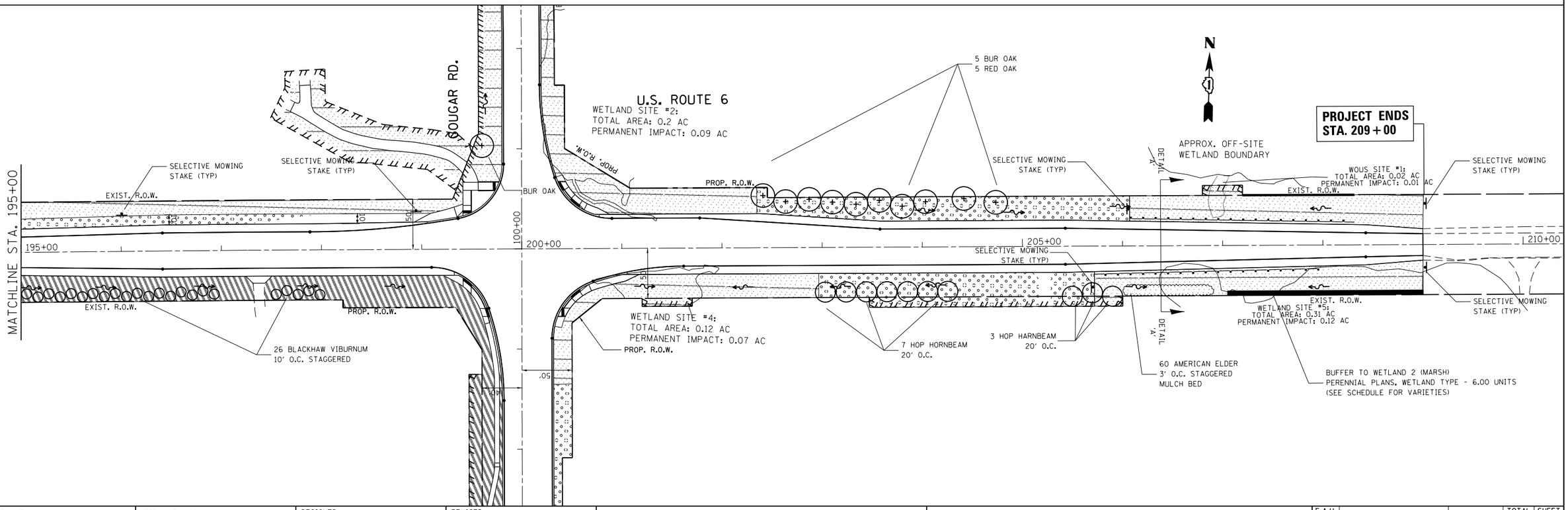
LEGEND

SEEDING CLASS 2A

SEEDING CLASS 4 & 4B

SODDING, SALT TOLERANT





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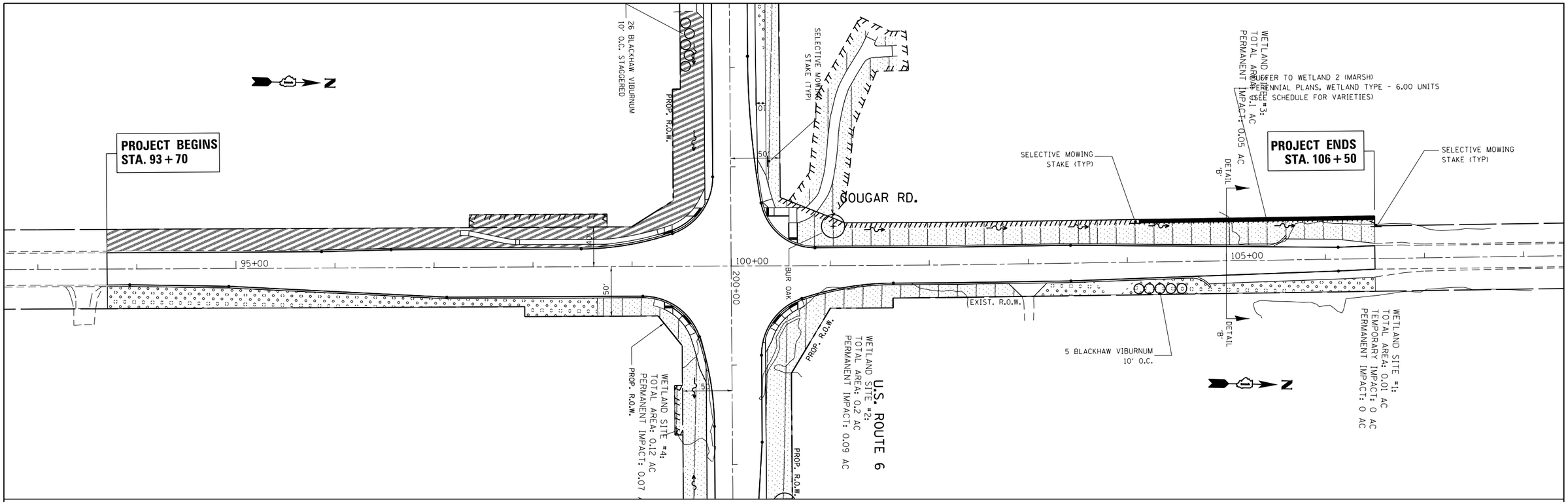
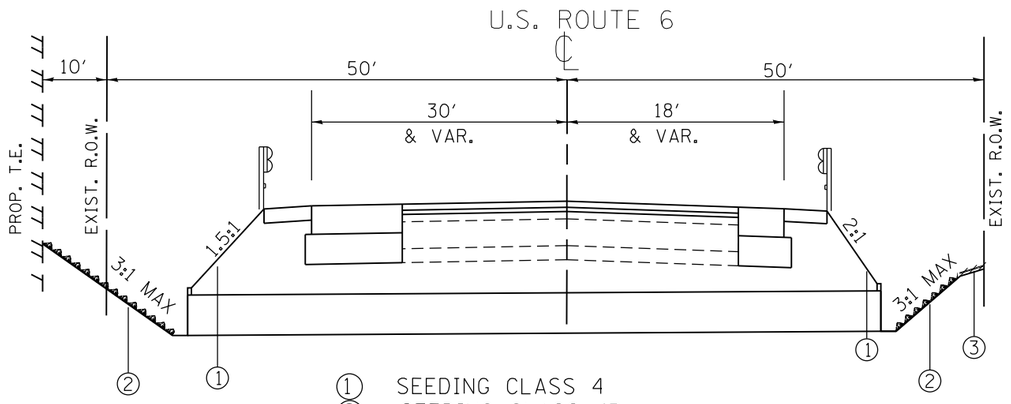
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN
U.S. ROUTE 6 AT GOUGAR RD.

SCALE: 1"=50' | SHEET OF SHEETS | STA. 93+70 TO STA. 106+50

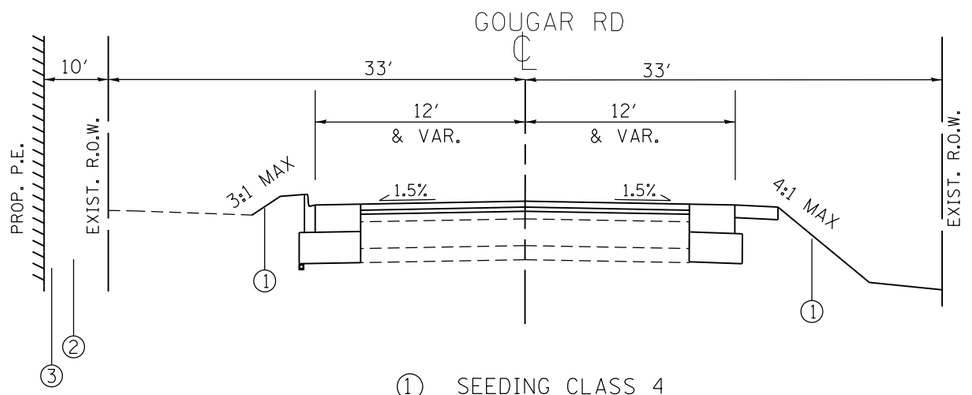
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	49
		CONTRACT NO. 60V40		
		ILLINOIS FED. AID PROJECT		





DETAIL 'A'

LANDSCAPING SECTION



DETAIL 'B'

LANDSCAPING SECTION

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN
U.S. ROUTE 6 AT GOUGAR RD.

SCALE: 1"=50' | SHEET OF SHEETS | STA. 93+70 TO STA. 106+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	50
		CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED
CONTROLLER CABINET		
COMMUNICATION CABINET	CC	CC
MASTER CONTROLLER	MC	MC
MASTER MASTER CONTROLLER	MMC	MMC
UNINTERRUPTABLE POWER SUPPLY		
SERVICE INSTALLATION -(P) POLE MOUNTED	P	P
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	G GM	G GM
TELEPHONE CONNECTION	ET	T
STEEL MAST ARM ASSEMBLY AND POLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY		BM
WOOD POLE		
GUY WIRE		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD OPTICALLY PROGRAMMED	P P	P P
FLASHER INSTALLATION -(FS) SOLAR POWERED	F FS F FS	F FS F FS
PEDESTRIAN SIGNAL HEAD		
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	APS	APS
RADAR DETECTION SENSOR	R	R
VIDEO DETECTION CAMERA	V	V
RADAR/VIDEO DETECTION ZONE		
PAN, TILT, ZOOM (PTZ) CAMERA	PTZ	PTZ
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIMATION BEACON		
WIRELESS INTERCONNECT		
WIRELESS INTERCONNECT RADIO REPEATER	ERR	RR

ITEM	EXISTING	PROPOSED
HANDHOLE -SQUARE -ROUND		
HEAVY DUTY HANDHOLE -SQUARE -ROUND	H	H
DOUBLE HANDHOLE		
JUNCTION BOX	J	J
RAILROAD CANTILEVER MAST ARM		
RAILROAD FLASHING SIGNAL		
RAILROAD CROSSING GATE		
RAILROAD CROSSBUCK		
RAILROAD CONTROLLER CABINET	RR	RR
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL		
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE		
SYSTEM ITEM	S	SP
INTERSECTION ITEM	I	IP
REMOVE ITEM		R
RELOCATE ITEM		RL
ABANDON ITEM		A
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF
MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF
SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF
DETECTOR LOOP, TYPE I		
PREFORMED DETECTOR LOOP	P P	P P
SAMPLING (SYSTEM) DETECTOR	S S	S S
INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	IS IS	IS IS
QUEUE AND SAMPLING (SYSTEM) DETECTOR	QS QS	QS QS
WIRELESS DETECTOR SENSOR	W	W
WIRELESS ACCESS POINT		

ITEM	EXISTING	PROPOSED
SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD	P	P
SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE	P RB	P RB
PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	C D	C D
ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED	5	5
GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)	1#6	1#6
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C	1	1
COAXIAL CABLE	C	C
VENDOR CABLE	V	V
COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED	6#18	6#18
FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F	12F 24F 36F	12F 24F 36F
GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	C M P S	C M P S

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 1 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	51
	TS-05	CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			

LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

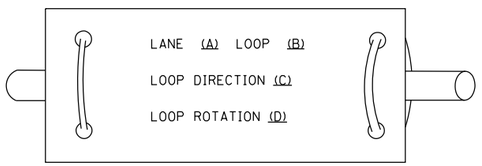
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

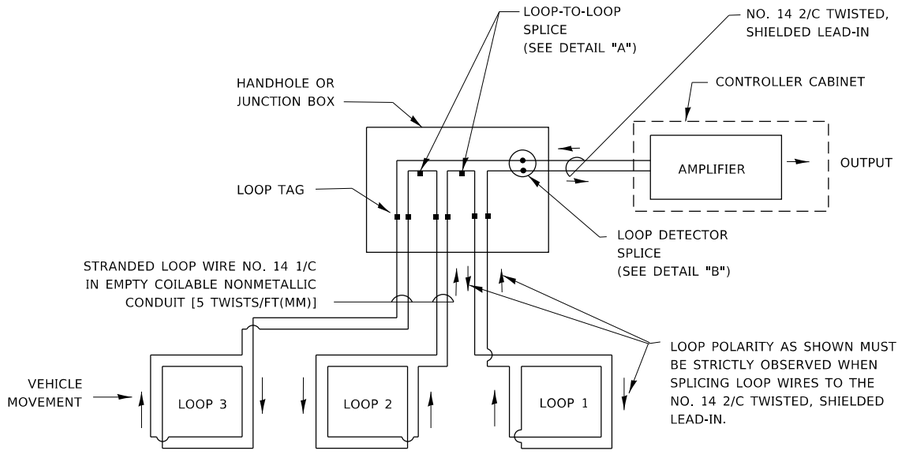


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

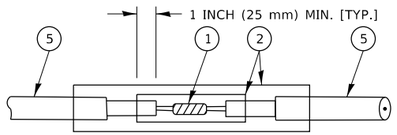
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

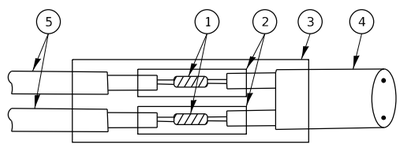


DETECTOR LOOP WIRING SCHEMATIC

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

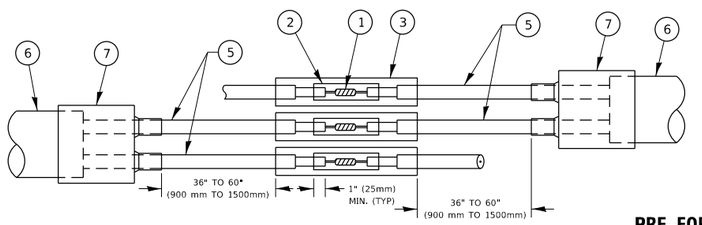


DETAIL "A"
LOOP-TO-LOOP SPLICE



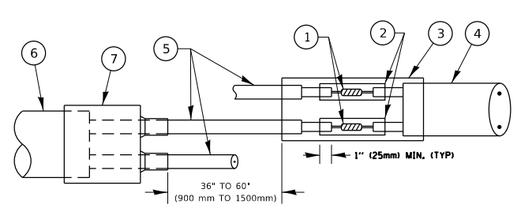
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

(1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.

(2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.

(3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.

(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP

(6) XL POLYOLEFIN 2 CONDUCTOR

(7) BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

USER NAME = ledezmarm	DESIGNED -	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 12/13/2019	DATE -	REVISED -	

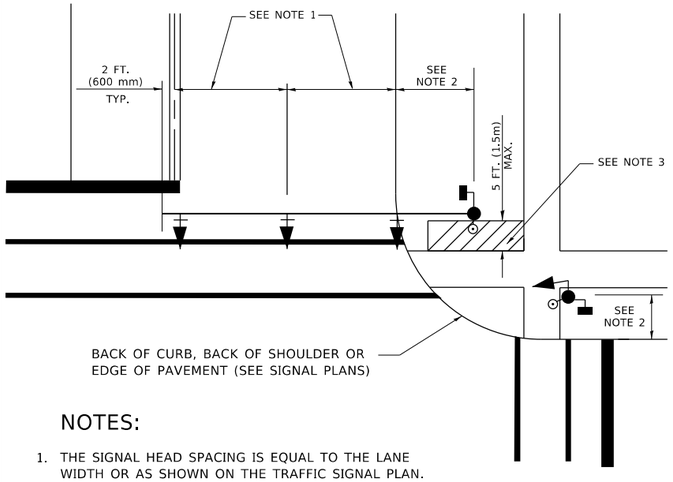
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 2 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	52
	TS-05	CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

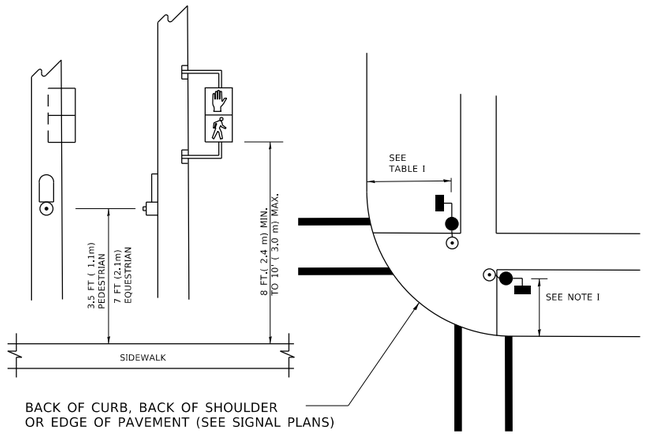
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

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

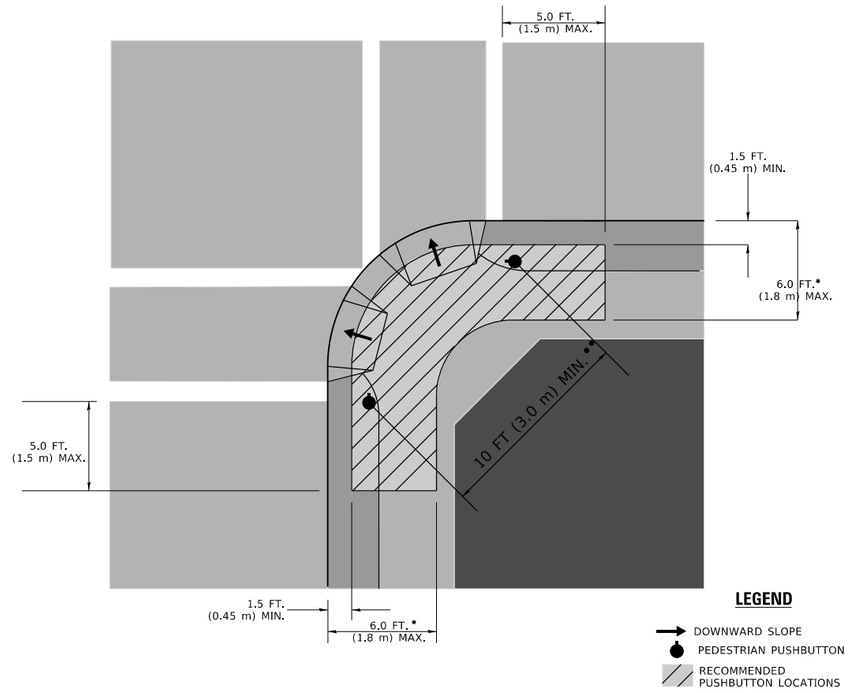
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



* WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

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

NOTES:

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 3 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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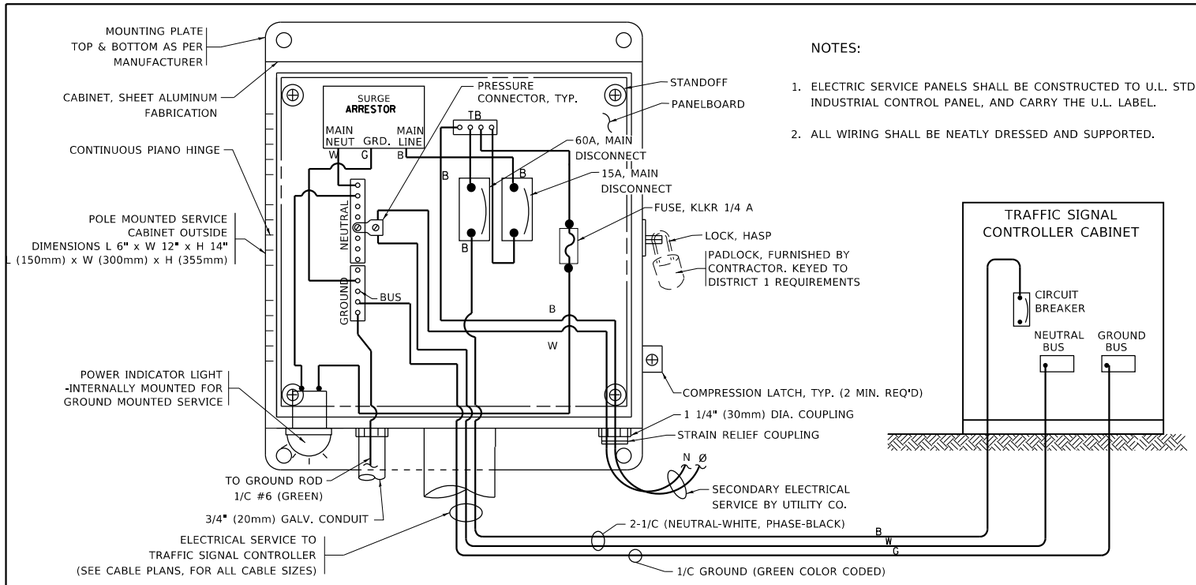
	TS-05	CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			



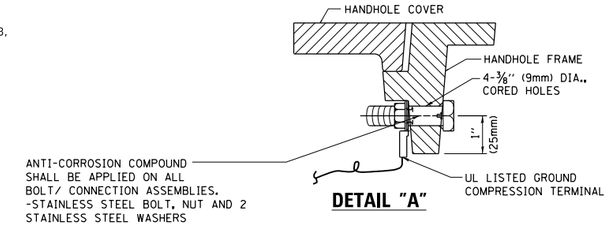
NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

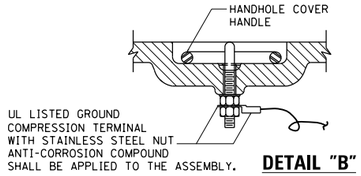
ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)

(NOT TO SCALE)



DETAIL "A"

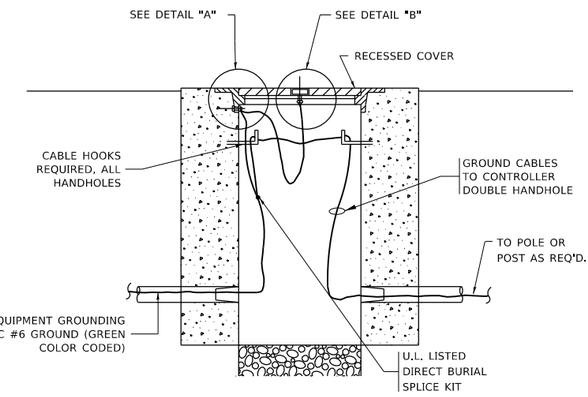


DETAIL "B"

NOTES:

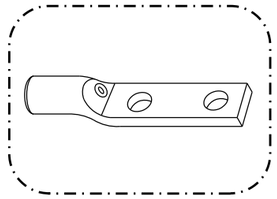
GROUNDING SYSTEM

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

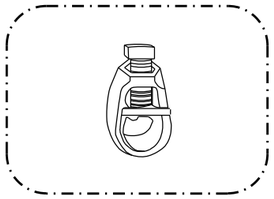


HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



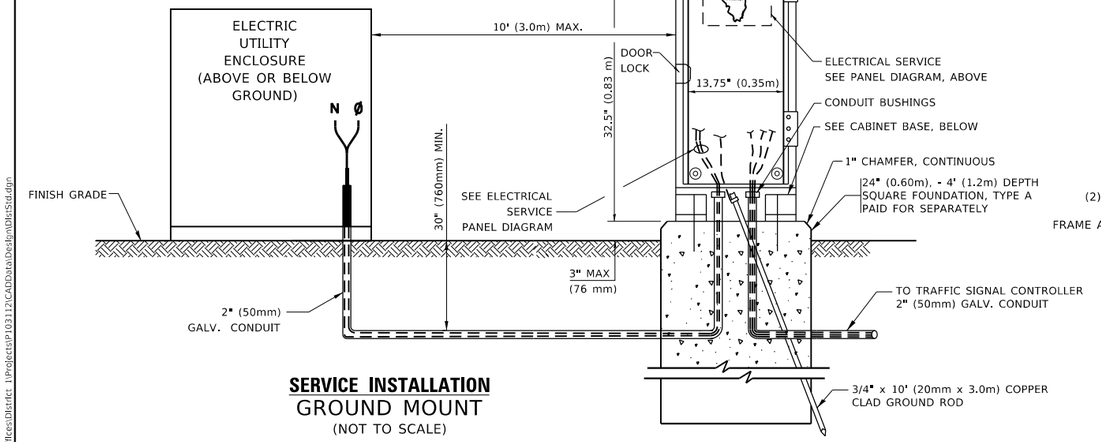
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



¾" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EQUAL)

NOTES:

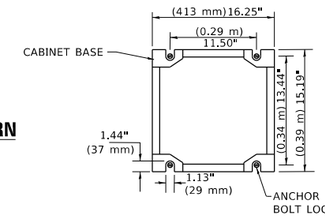
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



SERVICE INSTALLATION

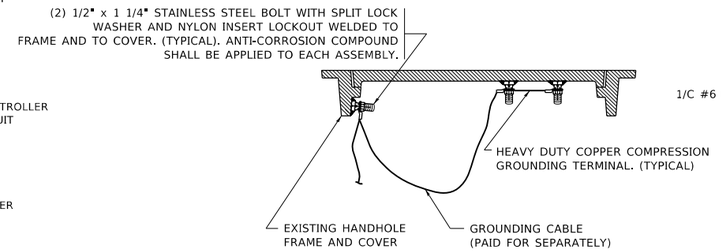
GROUND MOUNT

(NOT TO SCALE)



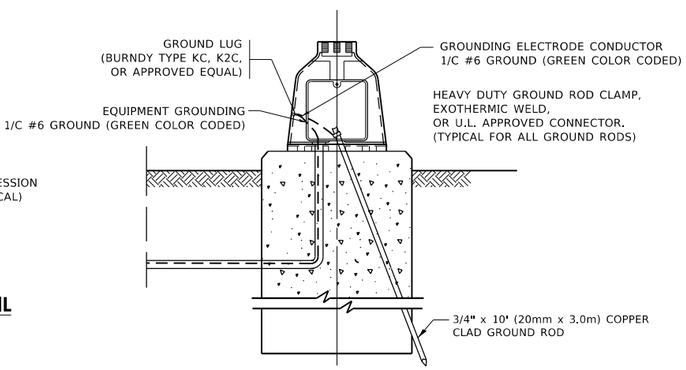
CABINET – BASE BOLT PATTERN

(NOT TO SCALE)



EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



MAST ARM POLE /POST–GROUNDING DETAIL

(NOT TO SCALE)

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PLOT DATE = 12/13/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 4 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	TS-05	CONTRACT NO. 60V40		
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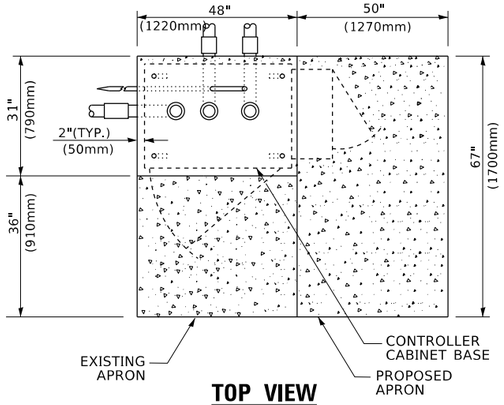
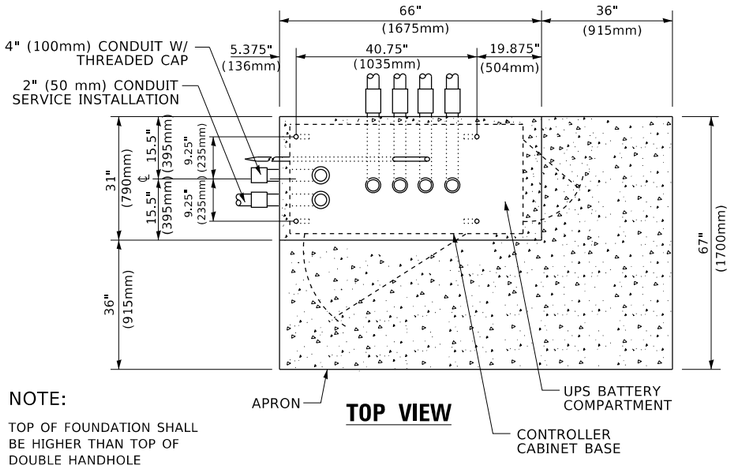


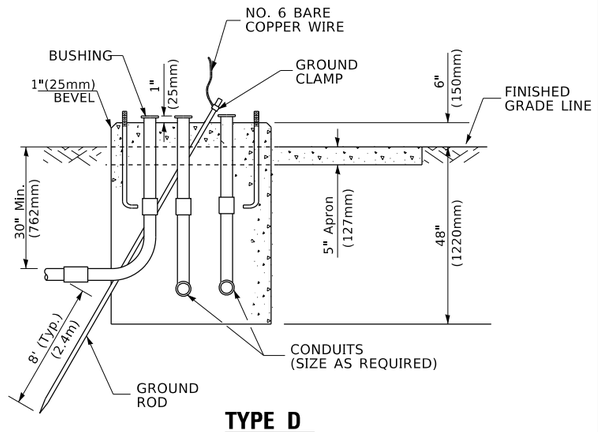
TOP VIEW



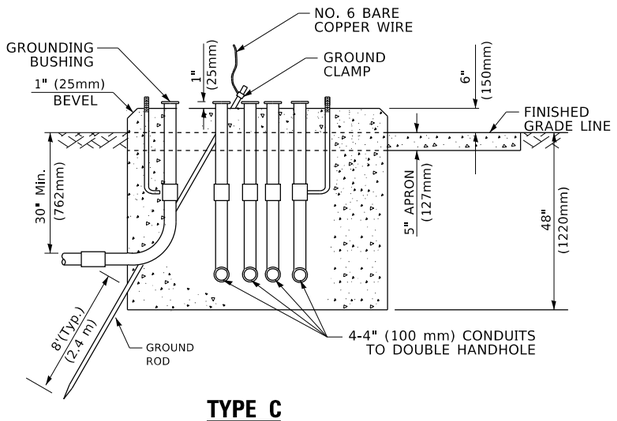
NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE

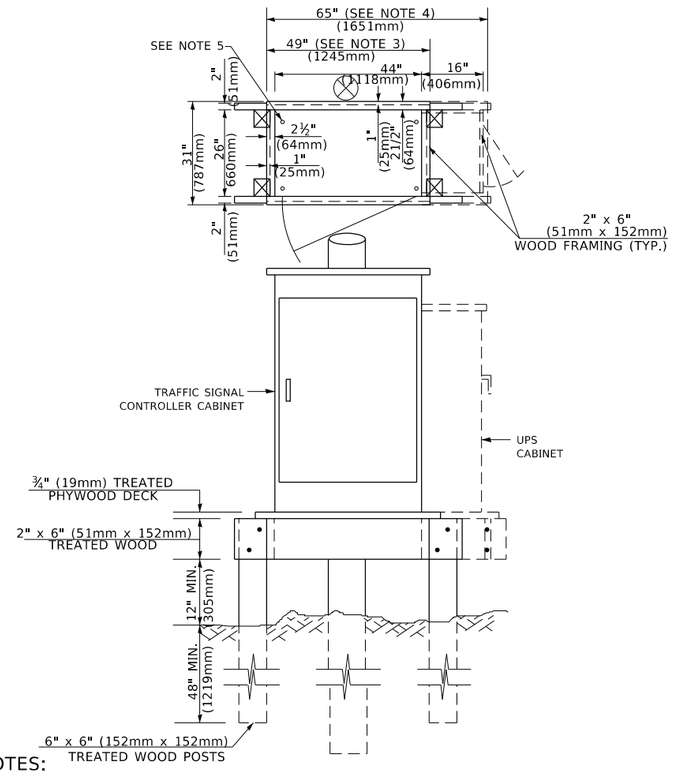
TOP VIEW



TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



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



NOTES:

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

TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

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

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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PLOT DATE = 12/13/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 5 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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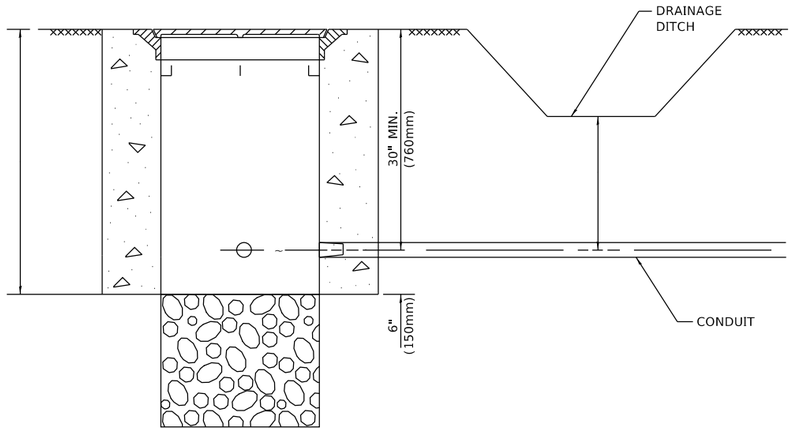
	TS-05	CONTRACT NO.	60V40	
	ILLINOIS FED. AID PROJECT			

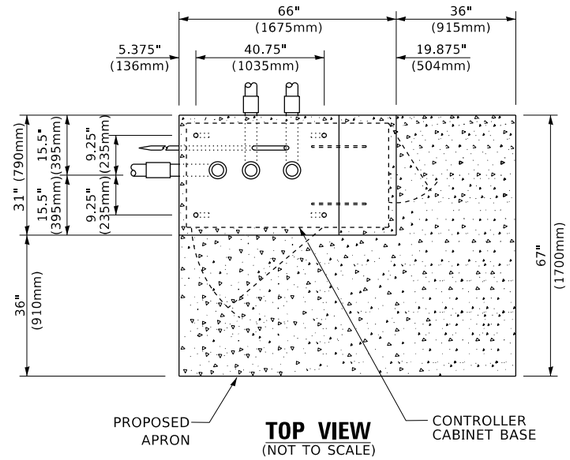


NOTES:

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

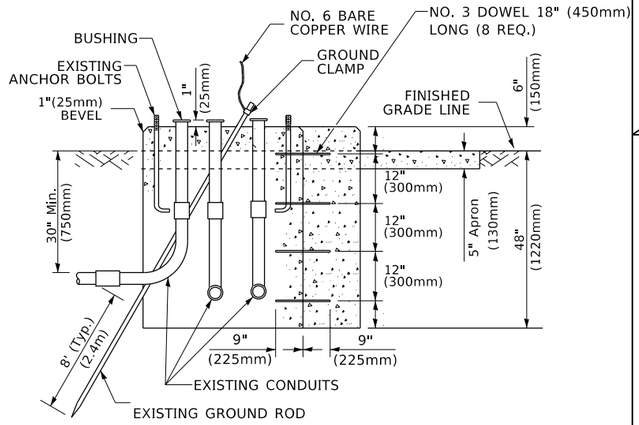
HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



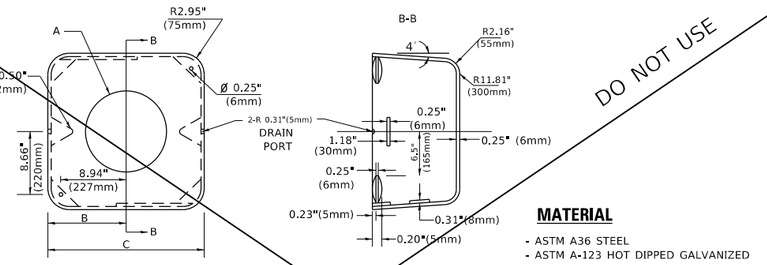
TOP VIEW

(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION

(NOT TO SCALE)



DO NOT USE

MATERIAL

- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

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

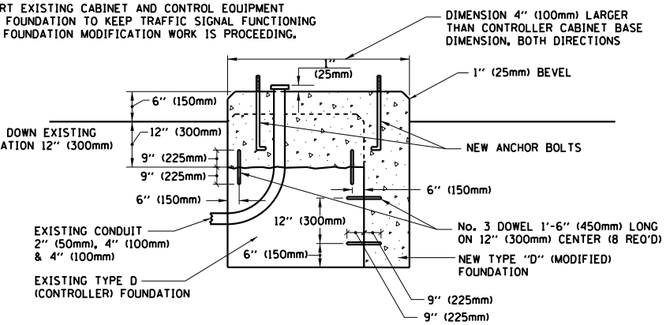
SHROUD

NOTES:

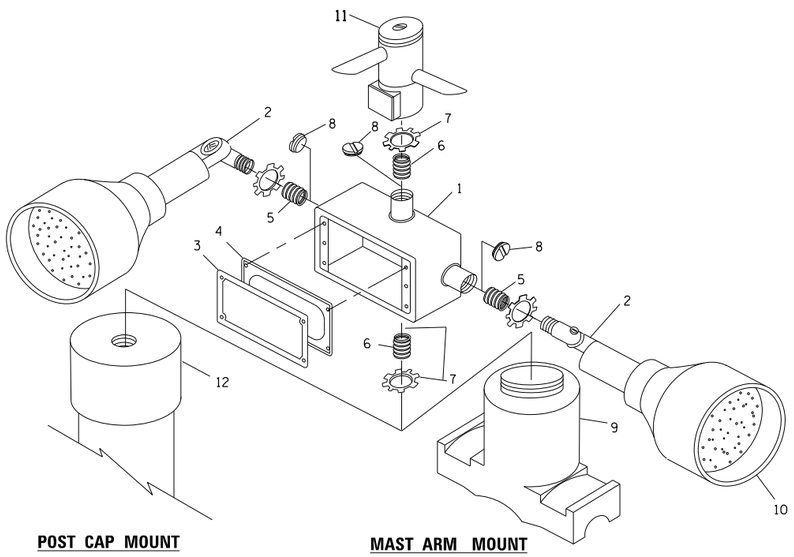
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION



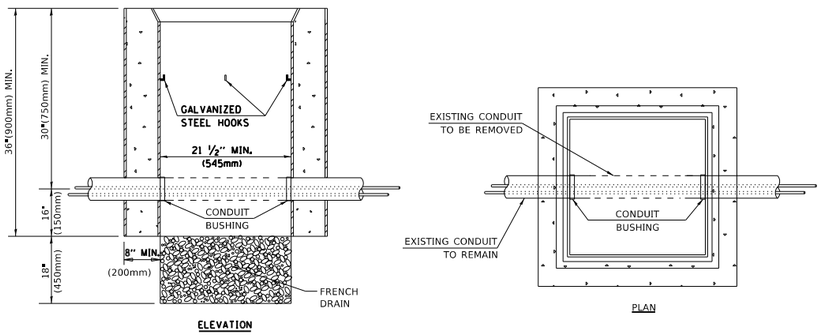
POST CAP MOUNT **MAST ARM MOUNT**

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	¾"(19 mm) CLOSE NIPPLE
7	¾"(19 mm) LOCKNUT
8	¾"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

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



NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT

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	DRAWN -	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 6 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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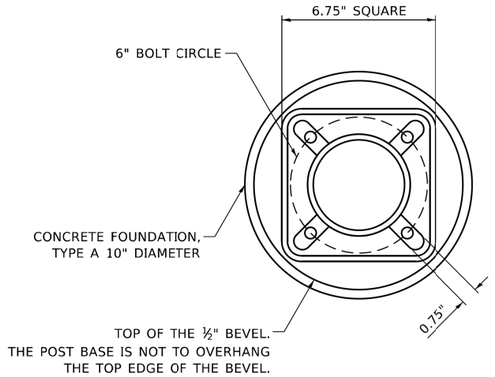
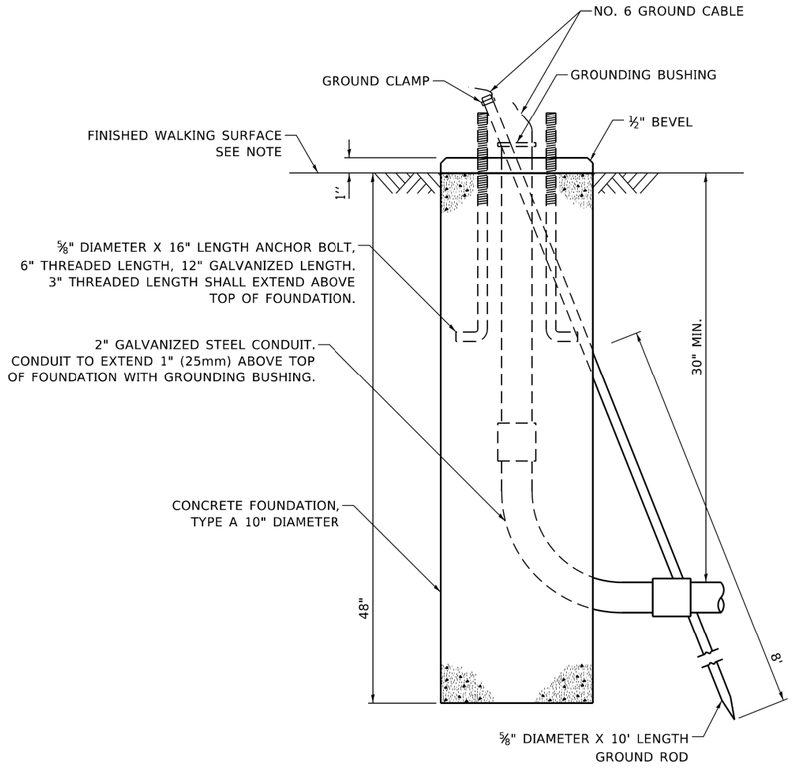
	TS-05	CONTRACT NO. 60V40		
		ILLINOIS FED. AID PROJECT		



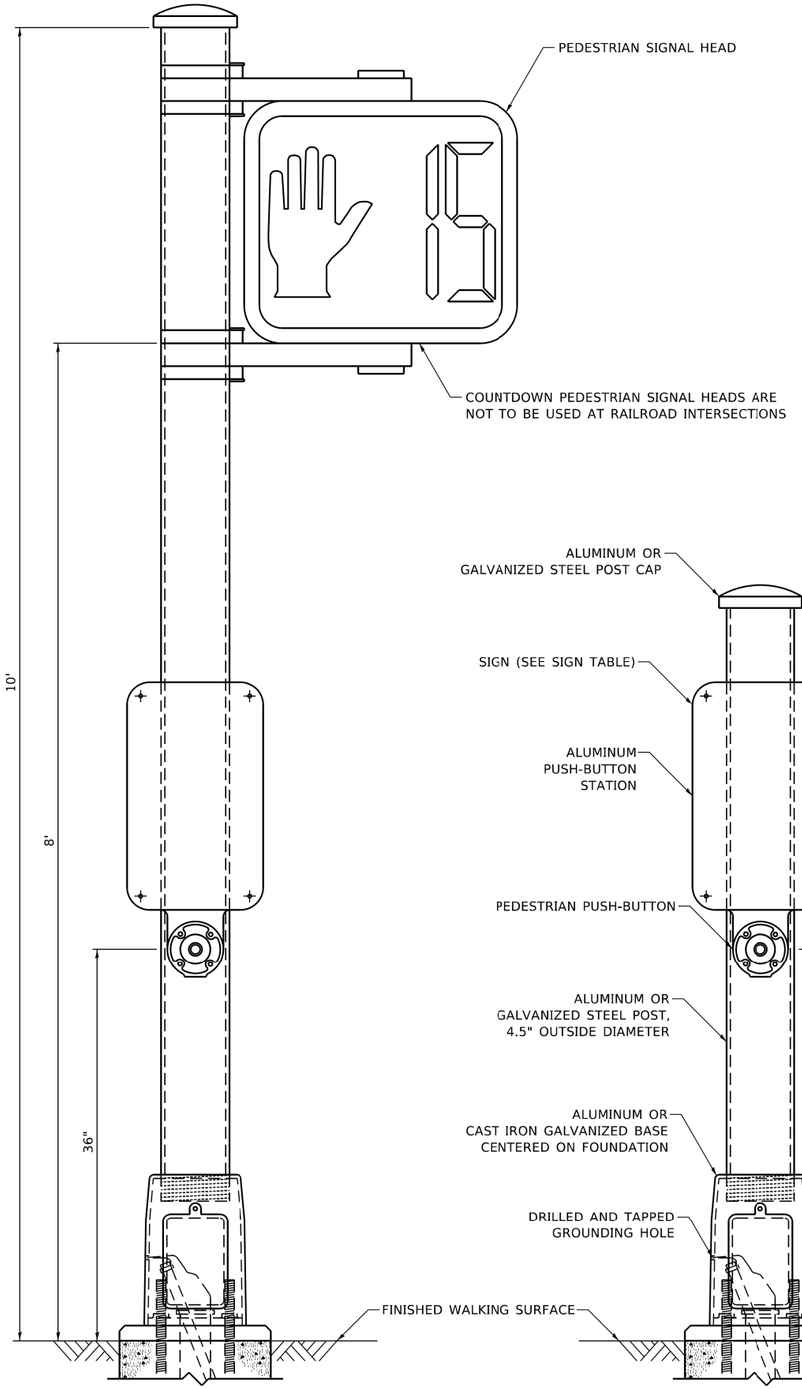
BOLT PATTERN

NOTE:

1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



CONCRETE FOUNDATION, TYPE A 10–INCH DIAMETER

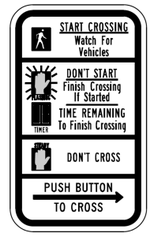


PEDESTRIAN SIGNAL POST, 10 FT.

PEDESTRIAN SIGNAL POST, 5 FT.

R10-3b

R10-3d



R10-3e

SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 15"

NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

TS SHT NO. 7

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	DRAWN - IP	REVISED -	
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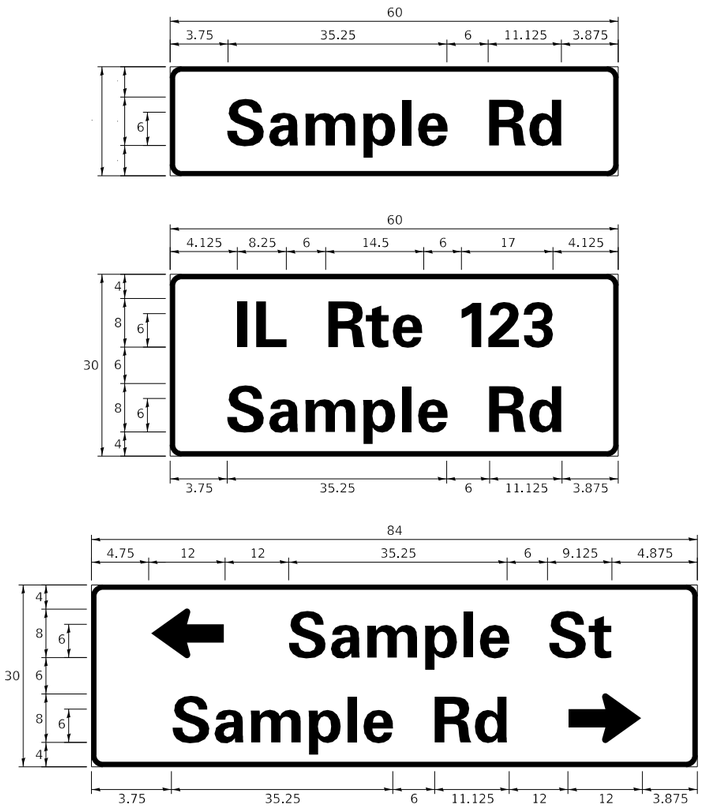
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 7 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	57
	TS–05	CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			

SIGN PANEL – TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

.

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

1. WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
2. ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
3. THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
4. A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8"-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
5. LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
6. SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

- J.O. HERBERT COMPANY, INC
  MIDLOTHIAN, VA
- WESTERN REMAC, INC.
  WOODRIDGE, IL

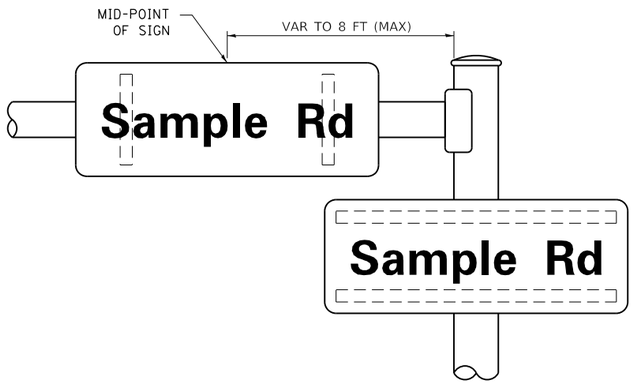
PARTS LISTING:

SIGN CHANNEL	PART #HPN053 (MED. CHANNEL)
SIGN SCREWS	1/4" x 14 x 1" H.W.H. #3 SELF TAPPING WITH NEOPRENE WASHER
BRACKETS	PART #HPN034 (UNIVERSAL) CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

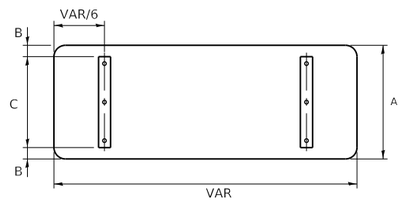
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION

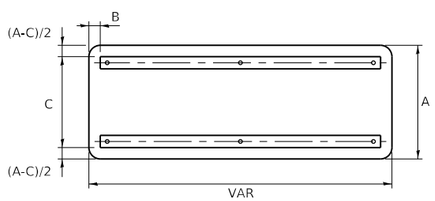
ARM OR POLE MOUNTED



SUPPORTING CHANNELS



A	B	C
18"	2"	14"
30"	2"	24"



A	B	C
18"	2"	12"
30"	2"	22"

STANDARD ALPHABETS SPACING CHART

(8") UPPER CASE AND (6") LOWER CASE

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

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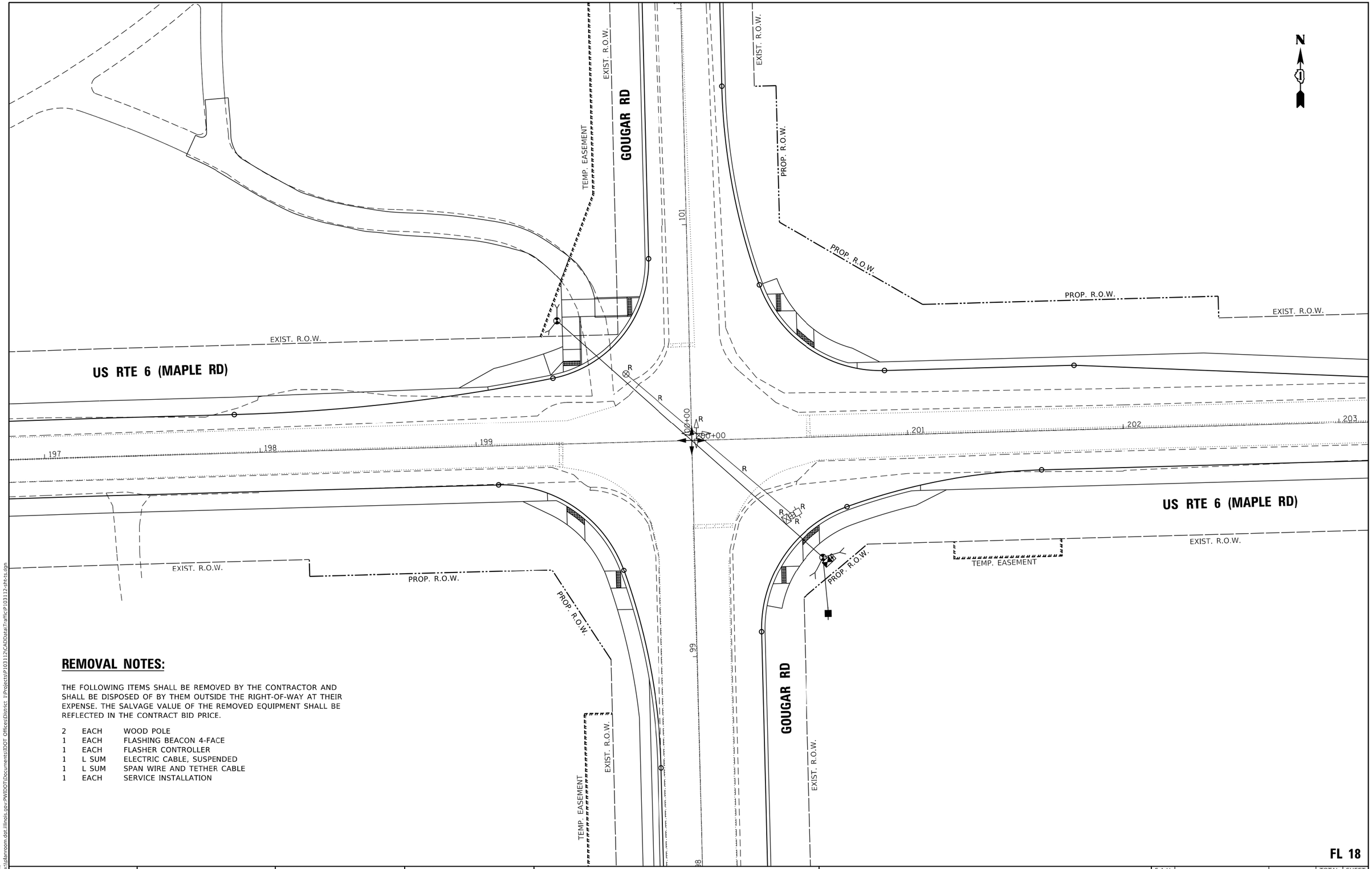
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
MAST ARM MOUNTED STREET NAME SIGNS

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	58
	TS-02	CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			



REMOVAL NOTES:

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

2	EACH	WOOD POLE
1	EACH	FLASHING BEACON 4-FACE
1	EACH	FLASHER CONTROLLER
1	L SUM	ELECTRIC CABLE, SUSPENDED
1	L SUM	SPAN WIRE AND TETHER CABLE
1	EACH	SERVICE INSTALLATION

TS SHT NO. 9

FL 18

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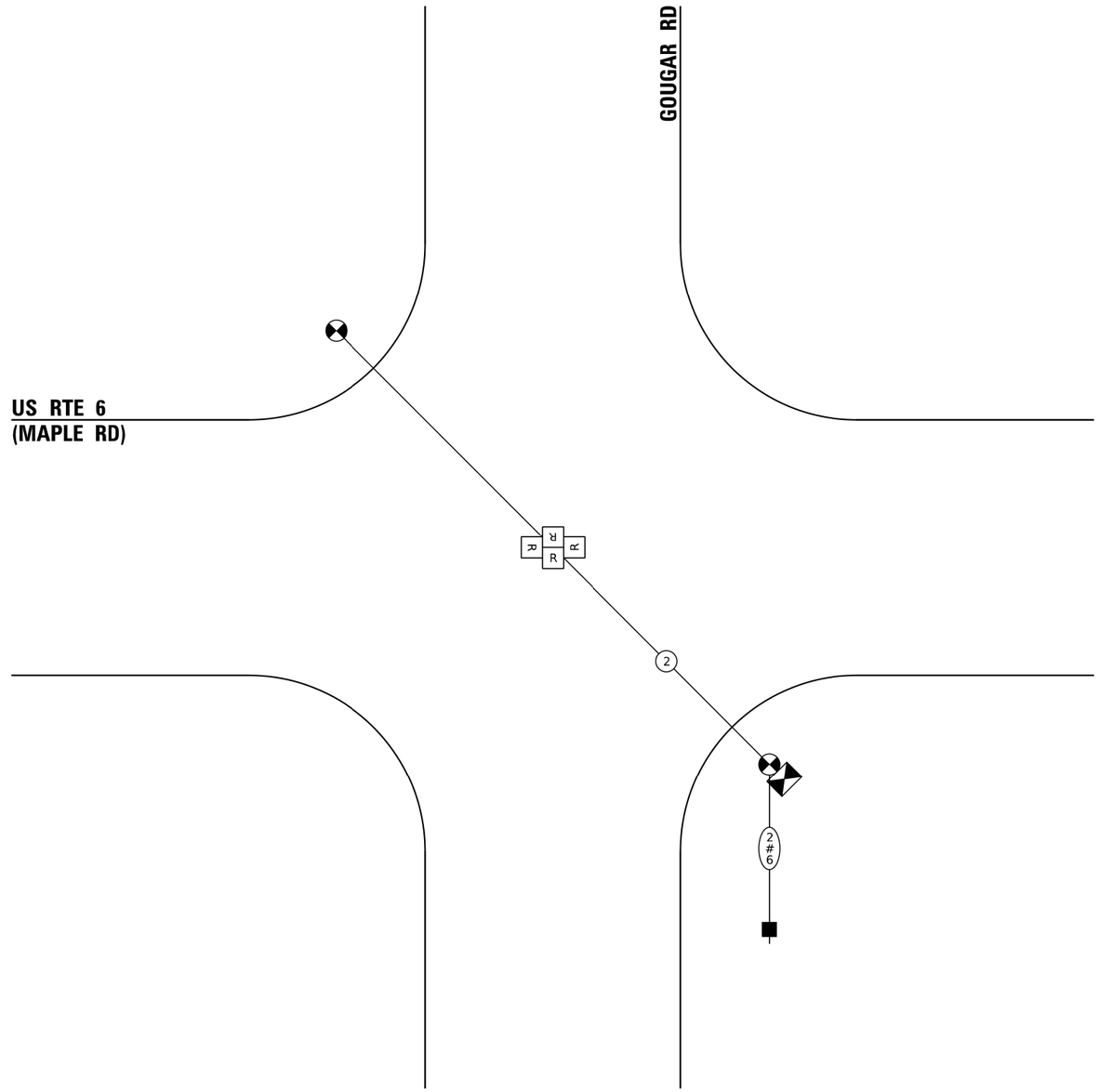
PLOT DATE = 11/7/2019	DATE - 10-15-2019	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY FLASHER INSTALLATION AND REMOVAL PLAN
US RTE 6 (MAPLE RD) AT GOUGAR RD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	59
		CONTRACT NO. 60V40		
		ILLINOIS	FED. AID PROJECT	



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	-	11	50	-
(YELLOW)	-	20	5	-
(GREEN)	-	12	45	-
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	-	20	100	-
CONTROLLER	1	50	100	50.0
UPS	-	25	100	-
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	4	11	50	22.0
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	72.0

ENERGY COSTS TO:

VILLAGE OF NEW LENOX
1 VETERANS PKWY
NEW LENOX, IL 60451

ENERGY SUPPLY: CONTACT: TIM COSLET
PHONE: (815) 724-5010
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

TS SHT NO. 10

FL 18

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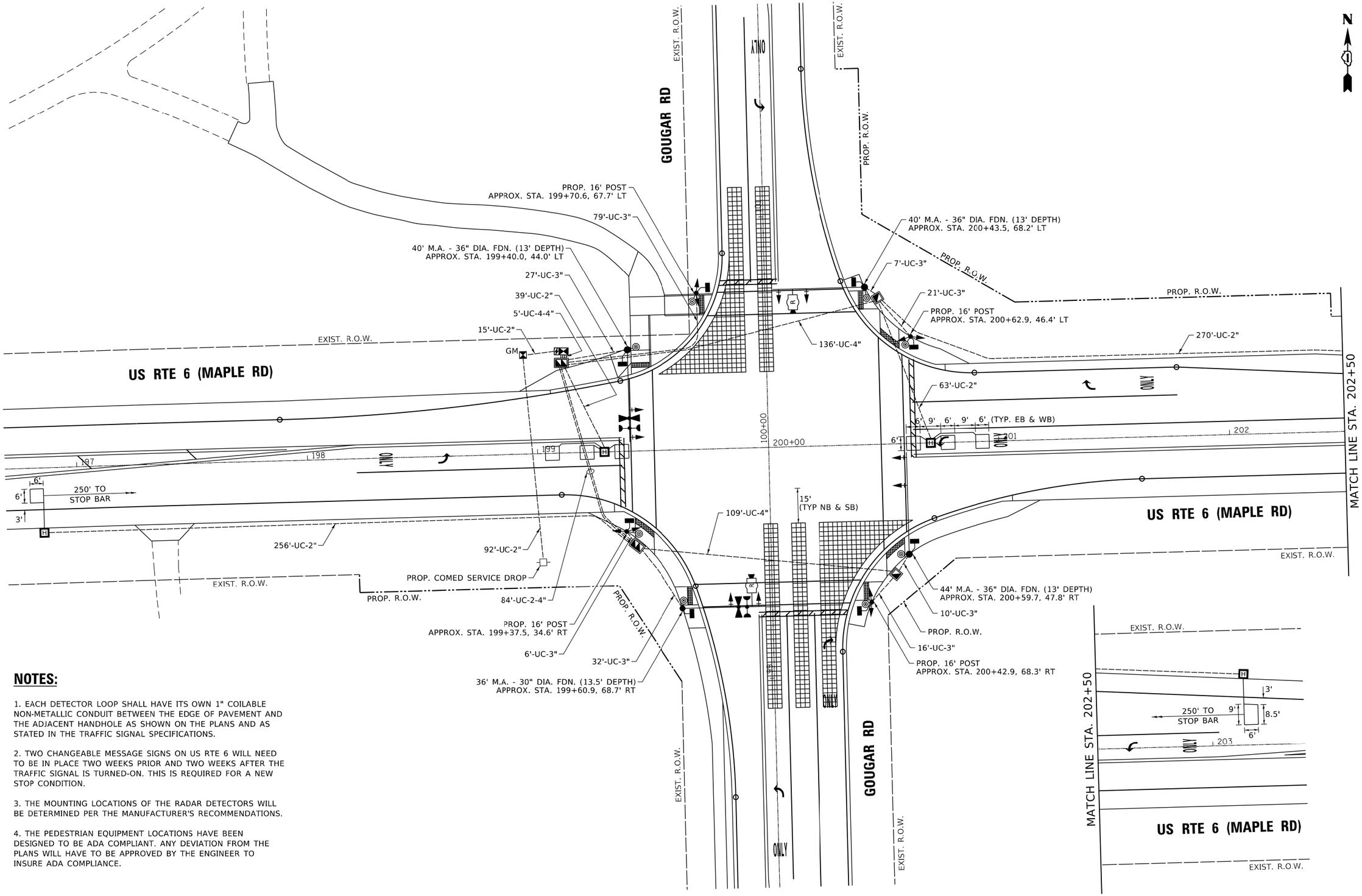
		DRAWN - IP	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - LP	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.
	PLOT DATE = 11/7/2019	DATE - 10-15-2019	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	60
		CONTRACT NO. 60V40		
	ILLINOIS	FED. AID PROJECT		



NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

2. TWO CHANGEABLE MESSAGE SIGNS ON US RTE 6 WILL NEED TO BE IN PLACE TWO WEEKS PRIOR AND TWO WEEKS AFTER THE TRAFFIC SIGNAL IS TURNED-ON. THIS IS REQUIRED FOR A NEW STOP CONDITION.

3. THE MOUNTING LOCATIONS OF THE RADAR DETECTORS WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.

4. THE PEDESTRIAN EQUIPMENT LOCATIONS HAVE BEEN DESIGNED TO BE ADA COMPLIANT. ANY DEVIATION FROM THE PLANS WILL HAVE TO BE APPROVED BY THE ENGINEER TO INSURE ADA COMPLIANCE.

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PLOT DATE = 11/7/2019	DATE - 10-15-2019	REVISED -	

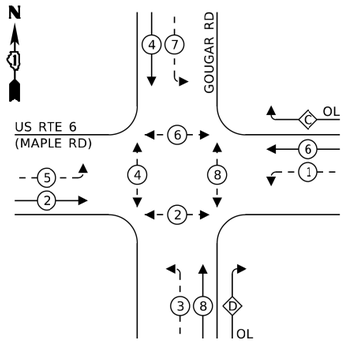
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN
US RTE 6 (MAPLE RD) AT GOUGAR RD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	61
		CONTRACT NO. 60V40		
	ILLINOIS	FED. AID PROJECT		

PROPOSED CONTROLLER SEQUENCE



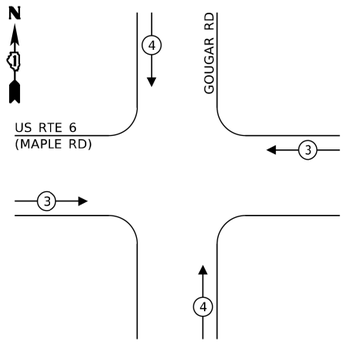
LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
C	=	6	+	7
D	=	8	+	1

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



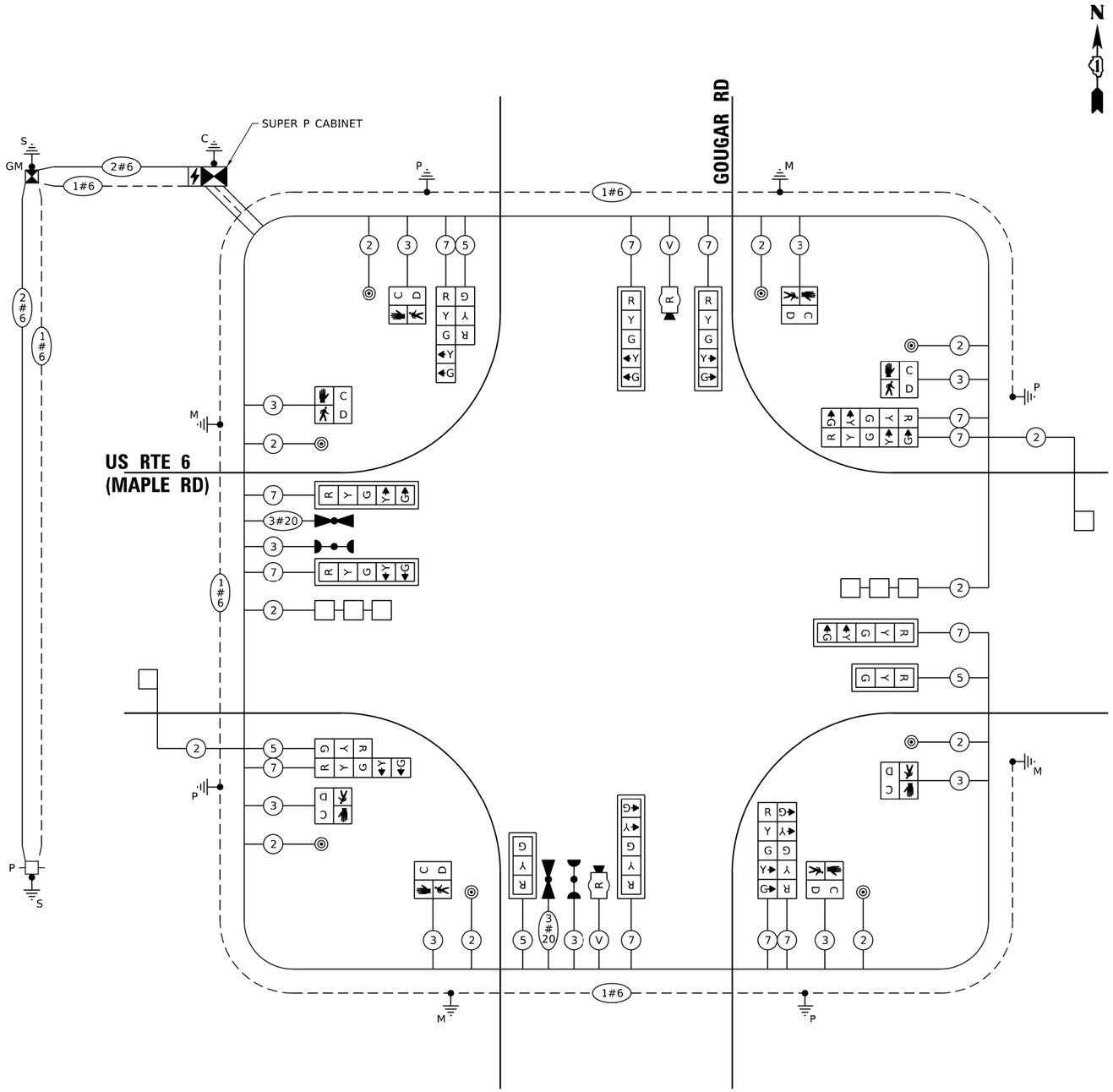
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	50	88.0
(YELLOW)	16	20	5	16.0
(GREEN)	16	12	45	86.4
PERMISSIVE ARROW	24	10	10	32.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	507.4

ENERGY COSTS TO:

VILLAGE OF NEW LENOX
1 VETERANS PKWY
NEW LENOX, IL 60451

ENERGY SUPPLY: CONTACT: TIM COSLET
PHONE: (815) 724-5010
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

TS SHT NO. 12

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PLOT DATE = 11/7/2019	DATE - 10-15-2019	REVISED -	

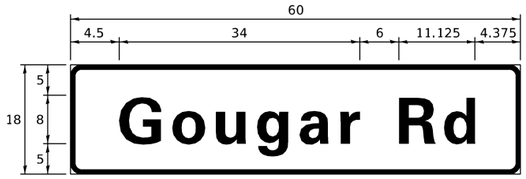
CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
US RTE 6 (MAPLE RD) AT GOUGAR RD

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

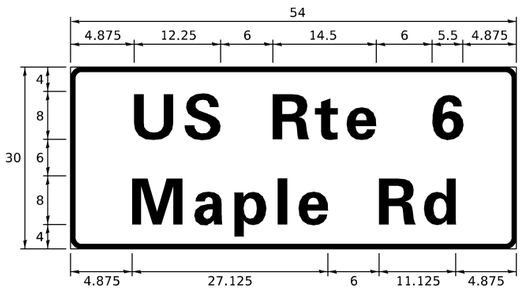
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	62
		CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	7.5	1	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	11.25	2	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

	ITEM DESCRIPTION	UNITS	TOTAL QTY
	CHANGEABLE MESSAGE SIGN	CAL DA	60
	SIGN PANEL - TYPE 1	SQ FT	15
	SIGN PANEL - TYPE 2	SQ FT	22.5
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	735
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	198
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	433
	HANDHOLE	EACH	2
	HEAVY-DUTY HANDHOLE	EACH	2
	DOUBLE HANDHOLE	EACH	2
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,380
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,730
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	765
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,415
	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,130
	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	170
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	940
	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	2
	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1
	CONCRETE FOUNDATION, TYPE A	FOOT	20
	CONCRETE FOUNDATION, TYPE C	FOOT	4
	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	13.5
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	39
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	2
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	6
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6
	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8
	INDUCTIVE LOOP DETECTOR	EACH	4
	DETECTOR LOOP, TYPE I	FOOT	280
✷	LIGHT DETECTOR	EACH	2
✷	LIGHT DETECTOR AMPLIFIER	EACH	1
	PEDESTRIAN PUSH-BUTTON	EACH	8
	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
✷	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	320
	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET	EACH	1
	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
	RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	2
	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1

✷ 100% COST TO THE VILLAGE OF NEW LENOX

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES
US RTE 6 (MAPLE RD) AT GOUGAR RD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	63
		CONTRACT NO. 60V40		
	ILLINOIS	FED. AID PROJECT		

GENERAL NOTES:

1. THIS PROJECT INCLUDES THE INSTALLATION OF A NEW LIGHTING SYSTEM AT THE INTERSECTION OF US ROUTE 6 AND GOUGAR ROAD. THE PROPOSED LIGHTING SHALL BE OWNED AND MAINTAINED BY THE CITY OF JOLIET.

2. THERE IS AN EXISTING STREET LIGHTING UNIT LOCATED AT THE INTERSECTION OF US ROUTE 6 AND GOUGAR RD. WHICH IS MOUNTED ON ComEd UTILITY WOODEN POLE WHICH SHALL BE REMOVED AND NOT REINSTALLED. THE CONTRACTOR SHALL CONTACT THE LOCAL ComEd OFFICE TO COORDINATE ALL ELECTRIC SERVICE WORK, INCLUDING REMOVAL OF THE EXISTING LIGHTING UNIT. THE FIELD CONTACT PERSON IS ANNETTE KISALA AT (815) 724-5328. THE REFERENCE ACT. NO. 953168005.

3. THE QUANTITIES OF RACEWAY WHERE INDICATED IN THESE PLANS ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLETE COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.

4. THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. TO LOCATE AND MARK/STAKE ALL UNDERGROUND UTILITIES.

5. THE CONTRACTOR SHALL VERIFY LOCATIONS OF UNDERGROUND/OVERHEAD UTILITIES PRIOR TO INSTALLATION OF LIGHT POLES AND CONDUITS. IF THERE IS A CONFLICT WITH THE LIGHT POLES/CONDUITS AS SHOWN ON PLANS THE CONTRACTOR SHALL SUGGEST ALTERNATIVE LOCATIONS AND COORDINATE WITH THE ENGINEER PRIOR TO PERFORMING WORK.

6. TRENCHES FOR LIGHTING RACEWAYS SHALL HAVE A MINIMUM DEPTH OF 36".

7. LIGHTING SYSTEM INSTALLATION SHALL CONFORM TO THE LATEST IDOT STANDARDS, NEC AND LOCAL CODES.

8. ALL ELECTRICAL EQUIPMENT AND PRODUCTS SHALL BE U/L LISTED AND LABELED.

9. THE CONTRACTOR SHALL TAKE CARE WHEN INSTALLING UNIT DUCTS TO AVOID CONFLICTS WITH EXISTING UNDERGROUND UTILITIES AND TREES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE AS DETERMINED BY THE ENGINEER.

10. THE CONTRACTOR SHALL TAKE CARE WHEN INSTALLING LIGHT POLE FOUNDATIONS TO AVOID CONFLICTS WITH UNDERGROUND UTILITIES. WHEN CONFLICTS ARE ENCOUNTERED, THE CONTRACTOR SHALL REQUEST TO RELOCATE THE FOUNDATION. THE NEW LOCATION SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.

BILL OF MATERIALS

DESCRIPTION	UNIT	QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	1
ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	40
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	216
UNIT DUCT, 600V, 4-1C NO. 4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	2219
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3/0	FOOT	120
LIGHTING CONTROLLER, BASE MOUNTED, 240 VOLT, 200 AMP	EACH	1
LIGHT POLE, ALUMINUM, 35 FT. M.H., 12 FT. MAST ARM	EACH	19
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	152
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	19
LUMINAIRE, LED, HORIZONTAL MOUNT, SPECIAL	EACH	19

LEGEND

- EXISTING LIGHTING UNIT TO REMAIN
- PROPOSED LIGHTING UNIT: 35 FT. MH, 12 FT. MAST ARM 240V LED LUMINAIRE WITH BREAKAWAY DEVICE
- UNIT DUCT, 600V, 4-1/C #4, 1/C #6 GROUND (XLP-TYPE USE) 1 1/2" DIA. POLYETHYLENE
- ComEd ELECTRIC SERVICE 120/240V, SINGLE PHASE 3 WIRE
- PROPOSED LIGHTING CONTROLLER 120/240V, SINGLE PHASE 3 WIRE, 6 X 2P-30A BR. BKR, 200 AMP, BASE MOUNTED
- RIGID GALVANIZED STEEL 4" DIA. CONDUIT PUSHED AS INDICATED
- ELECTRIC CABLE IN CONDUIT 2 1/2" DIA., 3-1/C NO. 3/0
- GROUND ROD 5/8" DIA. X 10 FT.

PROFESSIONAL ENGINEER'S SIGN & SEAL

FOR LIGHTING SHEETS: _____

BRENDA D LOWERY, P.E.
EXPIRES 11-30-2021

BRENDA D. LOWERY 062-065244 LICENSED PROFESSIONAL ENGINEER STATE OF ILLINOIS

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Rd, Suite 4B
Downers Grove, IL 60516

USER NAME = mdeitche	DESIGNED - MB	REVISED -
	DRAWN - SR	REVISED -
PLOT SCALE = 100.0000 '/ in.	CHECKED - BL	REVISED -
PLOT DATE = 11/18/2019	DATE - 11-18-19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, LEGEND AND BILL OF MATERIALS
U.S. ROUTE 6 AT GOUGAR ROAD

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. N/A | TO STA. N/A

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	64
		CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			

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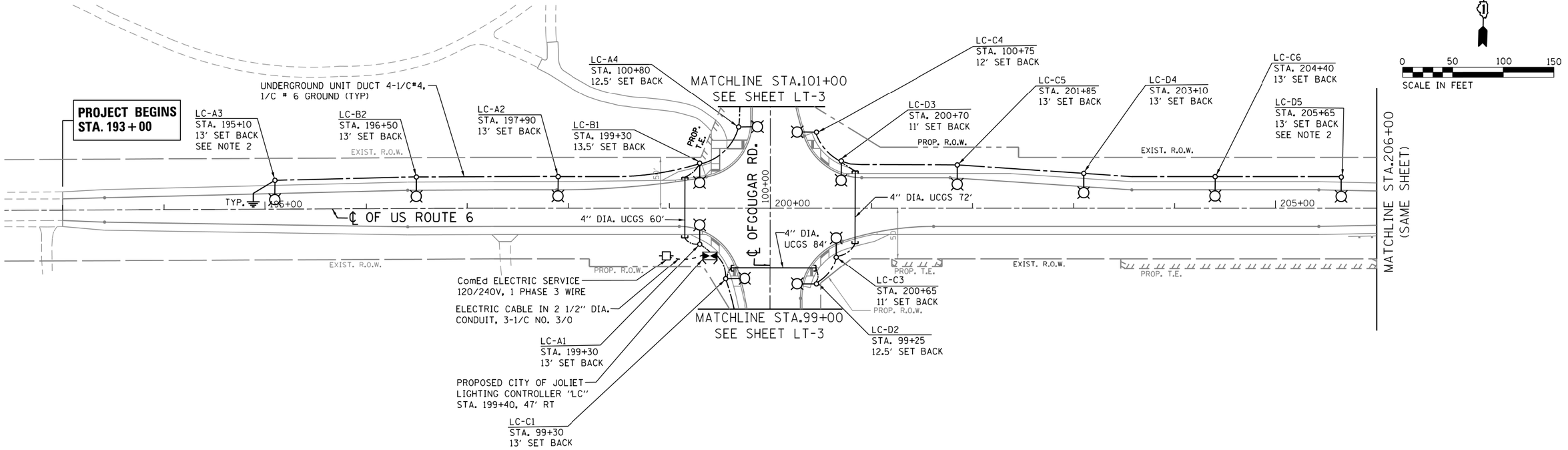
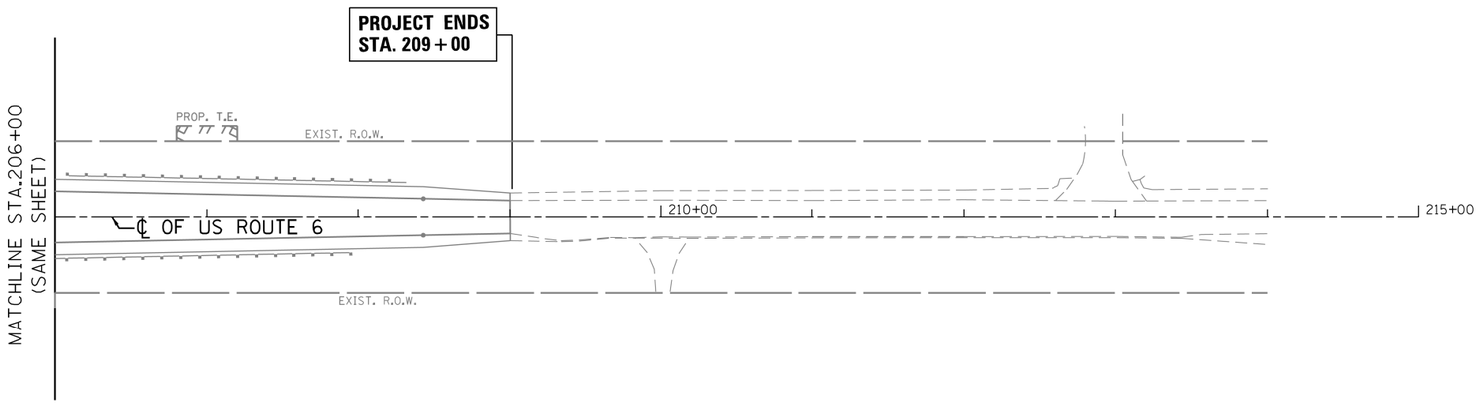




NOTES:

1. FOR LEGEND AND GENERAL NOTES SEE SHEET LT-1.
2. THE LAST POLE OF EACH CIRCUIT SHALL BE PROVIDED WITH 4" DIA, PVC SLEEVE WITH CAP FOR FUTURE EXPANSION OF HIGHWAY LIGHTING.
3. SET BACK IS FROM FACE OF CURB TO CENTER OF LIGHT POLE. WHERE THERE IS NO CURB THE SET BACK IS FROM THE EDGE OF PAVEMENT TO CENTER OF POLE.
4. UCGS STANDS FOR UNDERGROUND, GALVANIZED STEEL.

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Rd, Suite 4B
Downers Grove, IL 60516

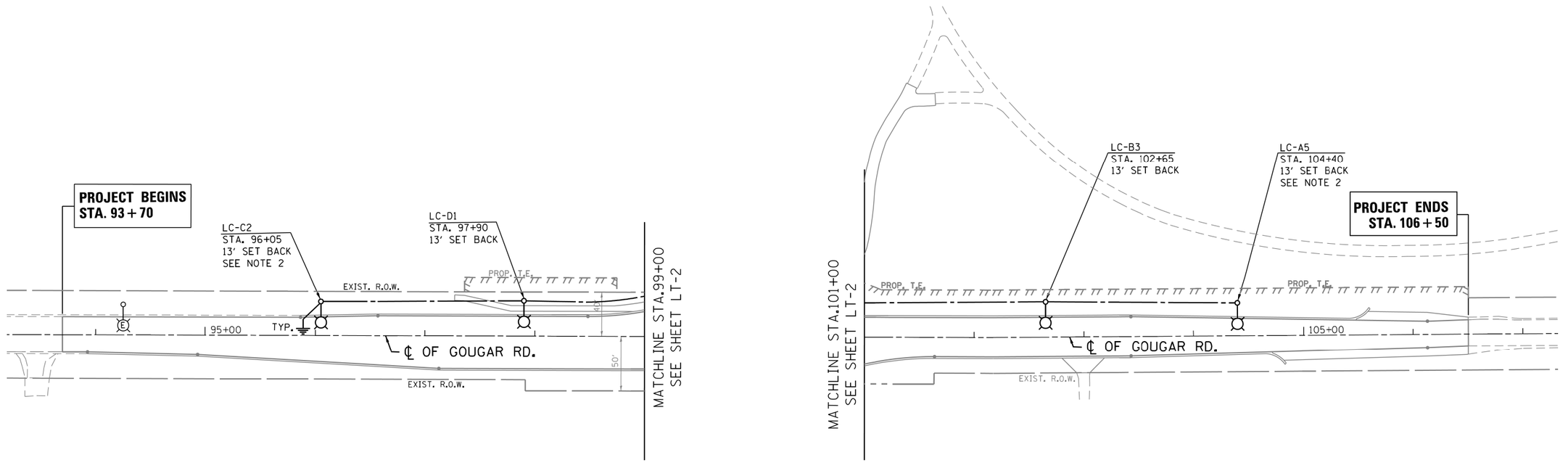
USER NAME = mdeitche	DESIGNED - MB	REVISED -	
	DRAWN - SR	REVISED -	
PLOT SCALE = 100.0000 '/ in.	CHECKED - BL	REVISED -	
PLOT DATE = 11/18/2019	DATE - 11-18-19	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN
U.S. ROUTE 6 AT GOUGAR ROAD

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. 193+00 TO STA. 209+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	65
		CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. FOR LEGEND AND GENERAL NOTES SEE SHEET LT-1.
2. THE LAST POLE OF EACH CIRCUIT SHALL BE PROVIDED WITH 4" DIA. PVC SLEEVE WITH CAP FOR FUTURE EXPANSION OF HIGHWAY LIGHTING.
3. SET BACK IS FROM FACE OF CURB TO CENTER OF LIGHT POLE. WHERE THERE IS NO CURB THE SET BACK IS FROM THE EDGE OF PAVEMENT TO CENTER OF POLE.

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Rd, Suite 4B
Downers Grove, IL 60516

USER NAME = mdeitche	DESIGNED - MB	REVISED -
	DRAWN - SR	REVISED -
PLOT SCALE = 100.0394 ' / in.	CHECKED - BL	REVISED -
PLOT DATE = 11/18/2019	DATE - 11-18-19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

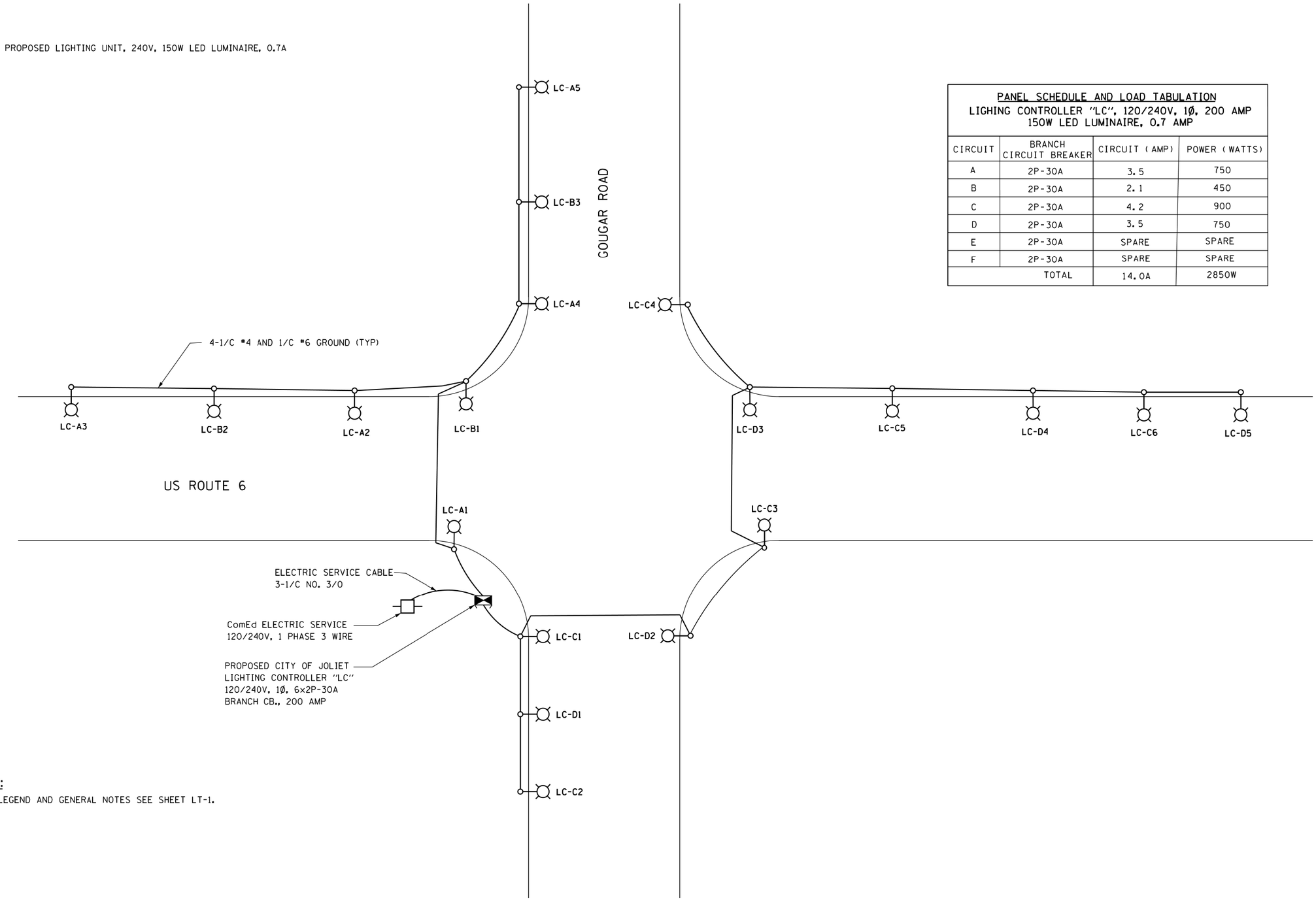
PROPOSED LIGHTING PLAN
U.S. ROUTE 6 AT GOUGAR ROAD

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. 93+70 TO STA. 106+50

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	66
		CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			

LEGEND

PROPOSED LIGHTING UNIT, 240V, 150W LED LUMINAIRE, 0.7A



N

PANEL SCHEDULE AND LOAD TABULATION
LIGHING CONTROLLER "LC", 120/240V, 1Ø, 200 AMP
150W LED LUMINAIRE, 0.7 AMP

CIRCUIT	BRANCH CIRCUIT BREAKER	CIRCUIT (AMP)	POWER (WATTS)
A	2P-30A	3.5	750
B	2P-30A	2.1	450
C	2P-30A	4.2	900
D	2P-30A	3.5	750
E	2P-30A	SPARE	SPARE
F	2P-30A	SPARE	SPARE
	TOTAL	14.0A	2850W

NOTES:

1. FOR LEGEND AND GENERAL NOTES SEE SHEET LT-1.

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CONSULTING ENGINEERS
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Downers Grove, IL 60516

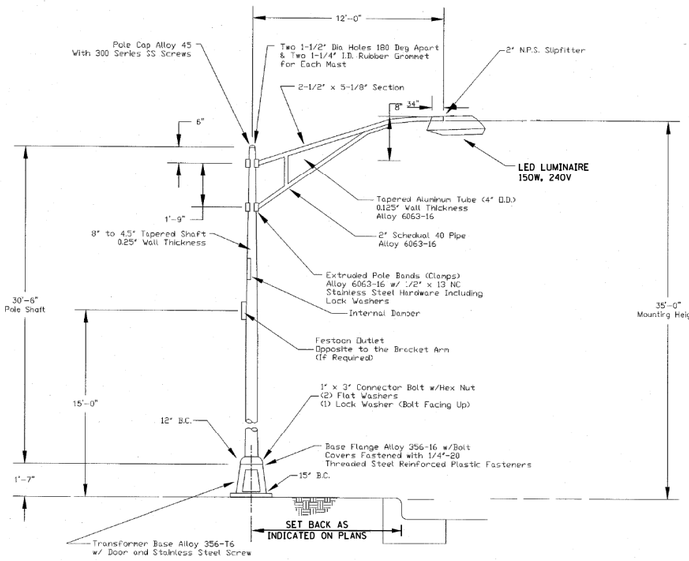
USER NAME = mdeitche	DESIGNED - MB	REVISED -	
	DRAWN - SR	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - BL	REVISED -	
PLOT DATE = 11/18/2019	DATE - 11-18-19	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SINGLE LINE WIRING DIAGRAM
U.S. ROUTE 6 AT GOUGAR ROAD

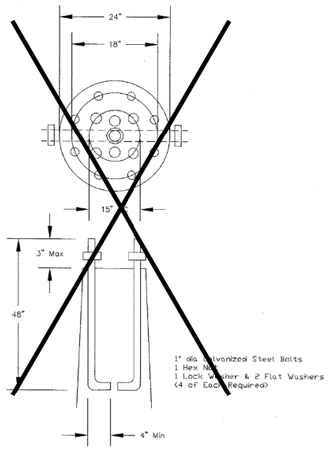
SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. 193+00 | TO STA. 209+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	67
		CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			



STREET LIGHT DETAIL

NO SCALE



ANCHORS BOLTS

NO SCALE

NOT APPLICABLE – USE IDOT DETAIL

GENERAL NOTES

The contractor shall submit detailed shop drawings or catalog cuts for all equipment & materials to the City of Joliet for approval prior to fabrication or installation. Failure to submit and approve material may result in unaccepted work and/or reinstallation.

The streetlight system shall be installed in accordance to the most current edition of the 'District One Recurring Special Provisions for Roadway Lighting', the 'National Electric Code', 'AASHTO', and the standard specifications for road and bridge construction.

All conductors shall be copper with an XLP/USE insulation rating.

The contractor shall provide the service connection & meter assembly for Commonwealth Edison. All coordination shall be the responsibility of the contractor.

The electrical meter shall be installed on the side of the controller opposite that of oncoming traffic.

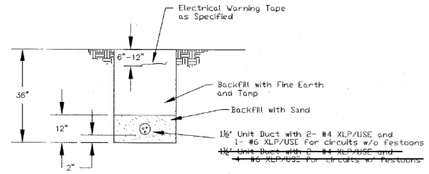
Two raceways or conduits shall be provided for each streetlight foundation. A junction of three raceways or conduits shall utilize a handhole.

Prior to beginning construction, the contractor shall contact the City of Joliet Traffic Engineer at (815)724-4200 to arrange an onsite project meeting. Confirmation of All approved materials and addressing any final questions shall take place at this time.

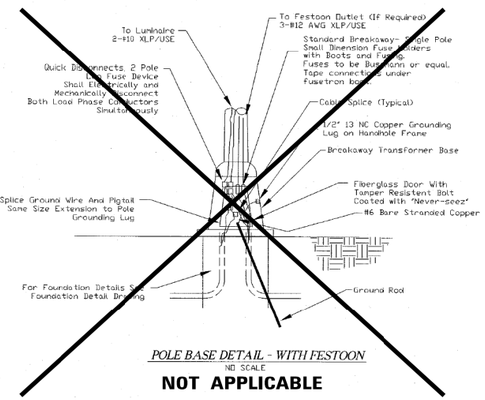
Foundation inspections will be required prior to pouring concrete.

All conduit between the streetlight controller and the service connection shall be rigid galvanize steel conduit.

Waterproof inline fuses (5Amp) are to be installed at the streetlight transformer base.



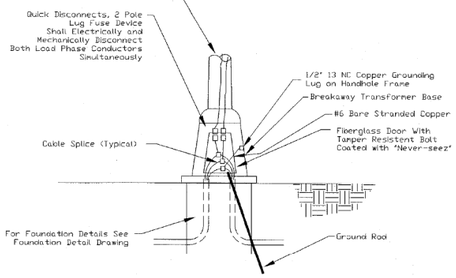
DETAIL CONDUIT & CONDUCTORS



POLE BASE DETAIL - WITH FESTOON

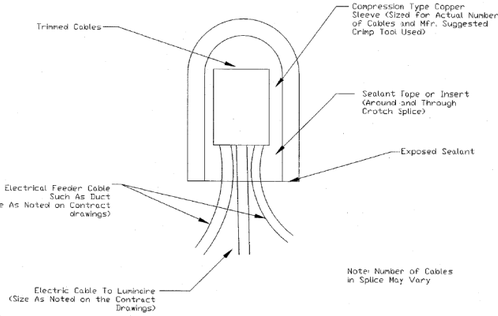
NO SCALE

NOT APPLICABLE



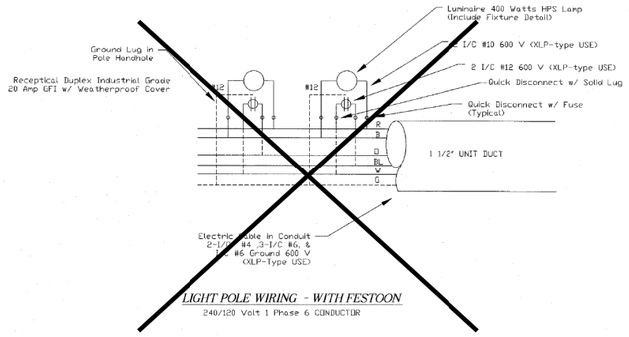
POLE BASE DETAIL - WITHOUT FESTOON

NO SCALE



SPLICING ELECTRIC CABLE

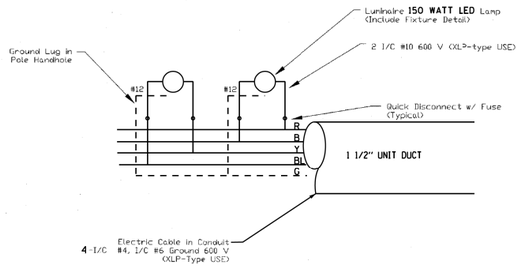
NO SCALE



LIGHT POLE WIRING - WITH FESTOON

240/120 Volt 1 Phase 6 CONDUCTOR

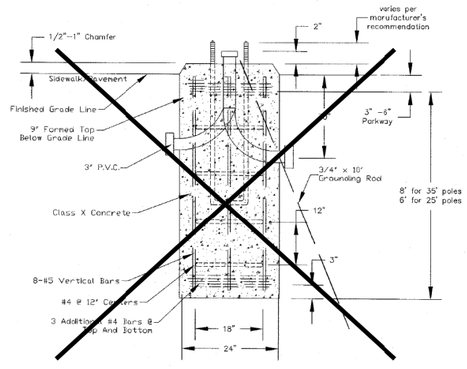
NOT APPLICABLE



LIGHT POLE WIRING - WITHOUT FESTOON

240/120 Volt 1 Phase 3 CONDUCTOR

REVISED TO SHOW ALTERNATELY
CONNECTED STREET LIGHTS



STREET LIGHT POLE FOUNDATION TYPE A (TYPICAL)

NOT APPLICABLE – USE IDOT DETAIL

Street Lighting Standards
Pole, Foundation, Wiring, and Conduit Details

SCALE: NONE | DATE: | SHEET OF

CHECKED BY: | DESIGNED BY: | DRAWN BY:

CITY OF JOLIET
DEPARTMENT OF PUBLIC WORKS
150 W. JEFFERSON STREET, JOLIET, ILLINOIS 60431
(815)-724-4200

LT- 5

F:\Projects\1238 (Var Phase II-HR Green\WD 26 -US6 @ Gougar Rd\Design\shs\P1B312-shs-light_05.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Rd, Suite 4B
Downers Grove, IL 60516

USER NAME = mdeitche	DESIGNED - MB	REVISED -
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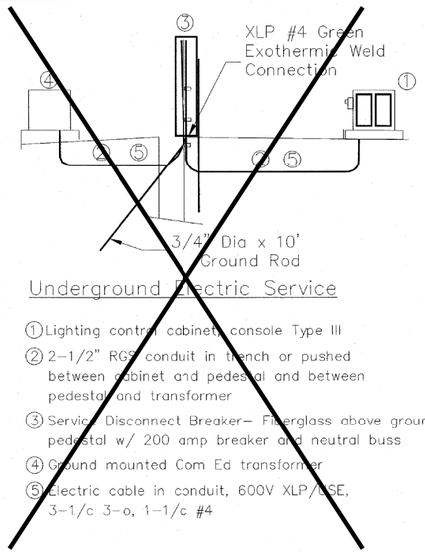
PLOT SCALE = 100.0000 ' / in.	CHECKED - BL	REVISED -
PLOT DATE = 11/19/2019	DATE - 11-18-19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

POLE FOUNDATION WIRING AND CONDUIT DETAILS
U.S. ROUTE 6 AT GOUGAR ROAD

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. N/A | TO STA. N/A

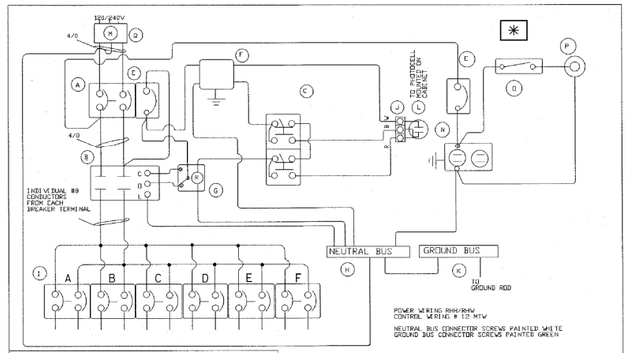
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	68
		CONTRACT NO. 60V40		
		ILLINOIS FED. AID PROJECT		



Underground Electric Service

1. Lighting control cabinet, console Type III
2. 2-1/2" RGS conduit in trench or pushed between cabinet and pedestal and between pedestal and transformer
3. Service Disconnect Breaker- Fiberglass above ground pedestal w/ 200 amp breaker and neutral buss
4. Ground mounted Com Ed transformer
5. Electric cable in conduit, 600V XLP/USE, 3-1/c 3-o, 1-1/c #4

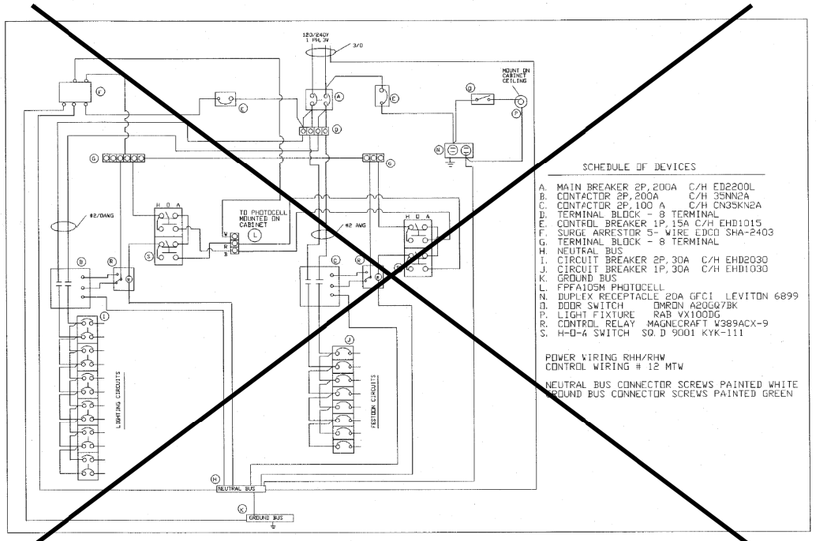
NOT APPLICABLE – USE IDOT DETAIL



SCHEDULE OF DEVICES			
A.	1	MAIN BREAKER 2P/200A	C/H ED2200L
B.	1	CONTACTOR 2P/200A	C/H 35NN2A
C.	1	H-O-A SWITCH	SQ. D 9001 KYK-111
D.	1	RESERVED	
E.	2	BREAKER 1P/15A	C/H EHD1015
F.	1	SURGE ARRESTOR	EDCO SHA 2403
G.	1	CONTROL RELAY	MAGNECRAFT W389ACX-9
H.	1	NEUTRAL BUS	
I.	6	BRANCH BREAKER 2P/30A	C/H EHD2030
J.	1	PHOTOCELL	FISHER-PIERCE FA-105M
K.	1	GROUND BUS	
L.	1	FPFA105M PHOTOCELL	
N.	1	RECEPTACLE 20A GFCI	LEVITON 6899
O.	1	DOOR SWITCH	OMRON A20GG7BK
P.	1	LIGHT FIXTURE	RAB VX100DG
Q.	1	METER FITTING	MILBANK U8949

* -ADD WARNING NAME PLATE FOR LIVE CIRCUIT EVEN WHEN THE MAIN BREAKER IS OFF

STREETLIGHTS WITHOUT FESTOON OUTLETS



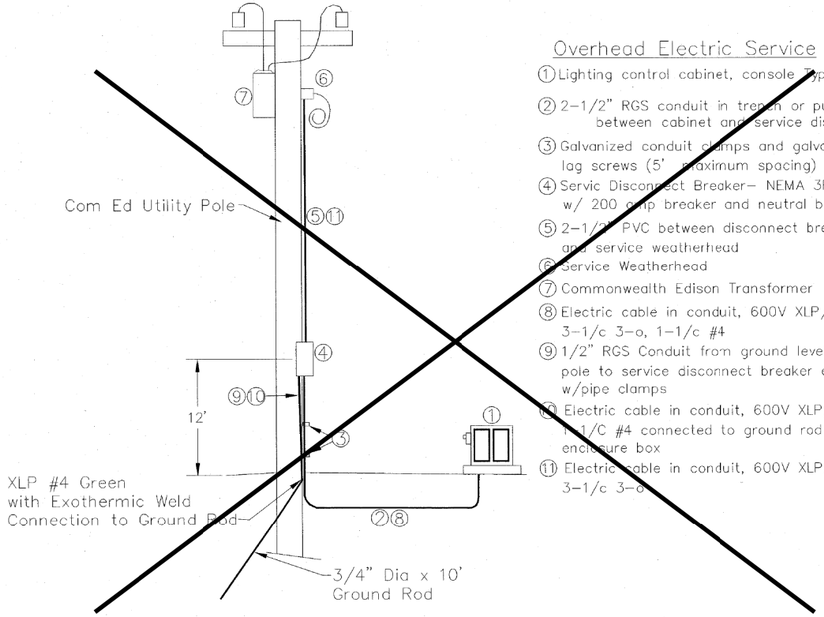
SCHEDULE OF DEVICES	
A.	MAIN BREAKER 2P,200A C/H ED2200L
B.	CONTACTOR 2P,200A C/H 35NN2A
C.	CONTACTOR 2P,100 A C/H CN35KN2A
D.	TERMINAL BLOCK - 8 TERMINAL
E.	CONTROL BREAKER 1P,15A C/H EHD1015
F.	SURGE ARRESTOR 5- WIRE EDCO SHA-2403
G.	TERMINAL BLOCK - 8 TERMINAL
H.	NEUTRAL BUS
I.	CIRCUIT BREAKER 2P,30A C/H EHD2030
J.	CIRCUIT BREAKER 1P,30A C/H EHD1030
K.	GROUND BUS
L.	FPFA105M PHOTOCELL
N.	DUPLEX RECEPTACLE 20A GFCI LEVITON 6899
O.	DOOR SWITCH OMRON A20GG7BK
P.	LIGHT FIXTURE RAB VX100DG
R.	CONTROL RELAY MAGNECRAFT W389ACX-9
S.	H-O-A SWITCH SQ. D 9001 KYK-111

POWER WIRING RHH/RHW
CONTROL WIRING # 12 MTW

NEUTRAL BUS CONNECTOR SCREWS PAINTED WHITE
GROUND BUS CONNECTOR SCREWS PAINTED GREEN

STREETLIGHTS WITH FESTOON OUTLETS

NOT APPLICABLE

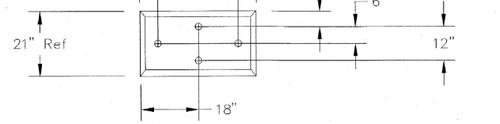


Overhead Electric Service

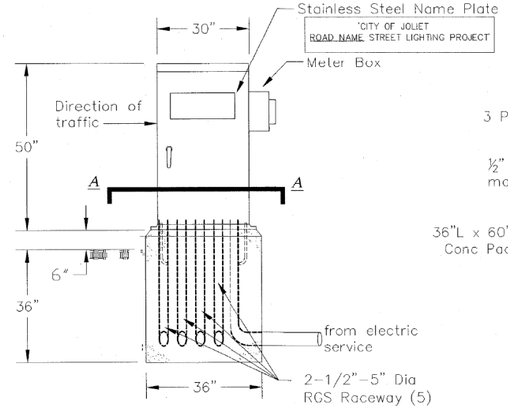
1. Lighting control cabinet, console Type III
2. 2-1/2" RGS conduit in trench or pushed between cabinet and service disconnect breaker
3. Galvanized conduit clamps and galvanized lag screws (5' maximum spacing)
4. Servic Disconnect Breaker- NEMA 3R enclosure w/ 200 amp breaker and neutral buss
5. 2-1/2" PVC between disconnect breaker and service weatherhead
6. Service Weatherhead
7. Commonwealth Edison Transformer
8. Electric cable in conduit, 600V XLP/USE, 3-1/c 3-o, 1-1/c #4
9. 1/2" RGS Conduit from ground level of service pole to service disconnect breaker enclosure w/pipe clamps
10. Electric cable in conduit, 600V XLP/USE 1-1/C #4 connected to ground rod + NEMA 3R enclosure box
11. Electric cable in conduit, 600V XLP/USE, 3-1/c 3-o

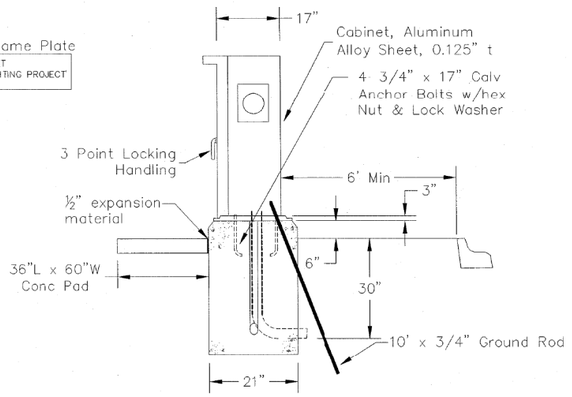
NOTE: ALL ITEMS UNDER OVERHEAD AND UNDERGROUND ELECTRIC SERVICE SHALL BE CONSIDERED INCIDENTAL TO THE PAY ITEM 'ELECTRIC SERVICE INSTALLATION'

NOT APPLICABLE – USE IDOT DETAIL



VIEW A-A





CABINET & FOUNDATION DETAIL

Street Lighting Standards
Controller and One Line Diagram

SCALE: NONE | DATE: | SHEET OF

CHECKED BY: | DESIGNED BY: | DRAWN BY:

CITY OF JOLIET DEPARTMENT OF PUBLIC WORKS
150 W. JEFFERSON STREET, JOLIET, ILLINOIS 60431
(815)-724-4200

LT- 6

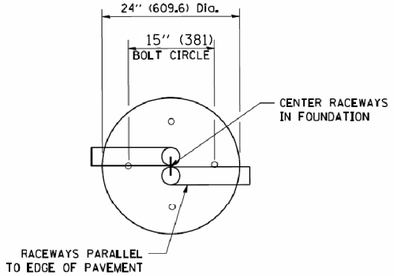
AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Rd, Suite 4B Downers Grove, IL 60516	USER NAME = mdeitche	DESIGNED - MB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONTROLLER AND ONE LINE DIAGRAM U.S. ROUTE 6 AT GOUGAR ROAD			
		DRAWN - SR	REVISED -					
	PLOT SCALE = 100.0000 '/ in.	CHECKED - BL	REVISED -					
	PLOT DATE = 11/19/2019	DATE - 11-18-19	REVISED -		SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. N/A	TO STA. N/A

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	69
		CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			

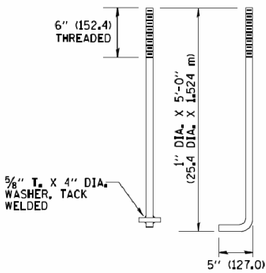
F:\Projects\1230 (Var Phase II-HR Green\WO 26 -US6 @ Gauger Rd\Design\sht\P103112-sht-light_06.dgn

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

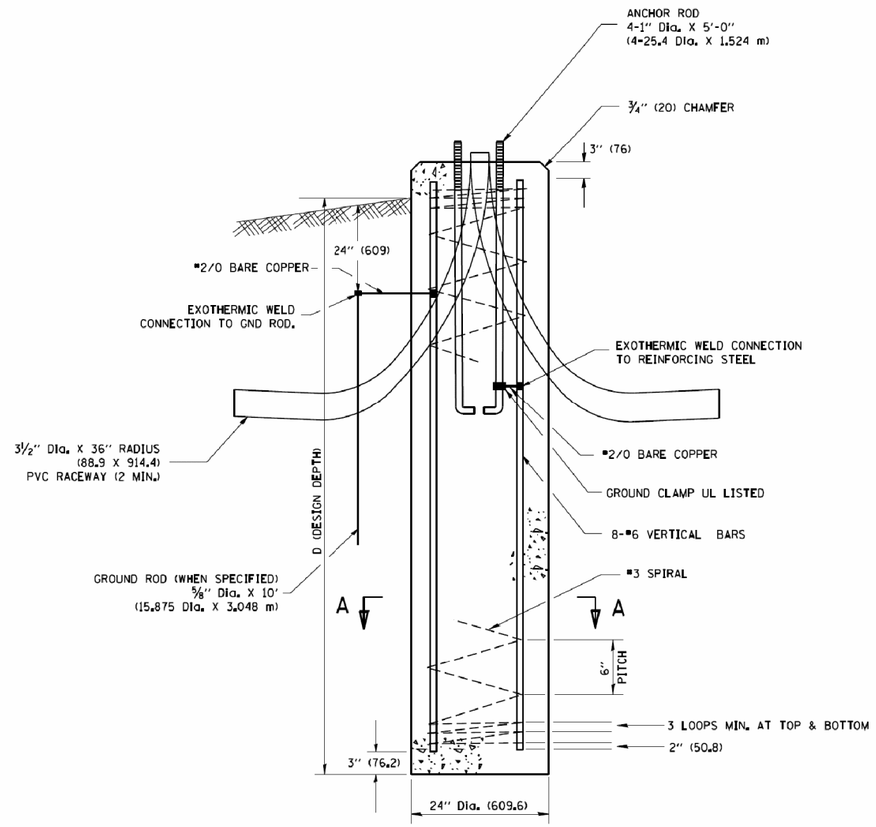
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	11'-0" (3.35 m)	12'-8" (3.85 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT	9'-0" (2.74 m)	14'-10" (4.52 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-6" (2.29 m)	8'-7" (2.61 m)
LOOSE SAND Ø = 34°	9'-6" (2.90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



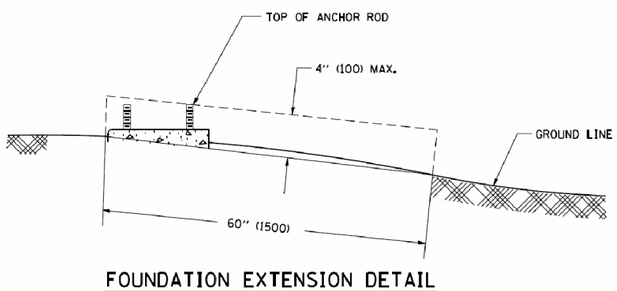
TOP VIEW



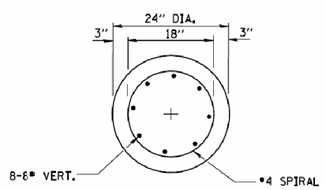
ANCHOR BOLT DETAIL



FOUNDATION DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A

NOTES

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

LT- 7

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Rd, Suite 4B
Downers Grove, IL 60516

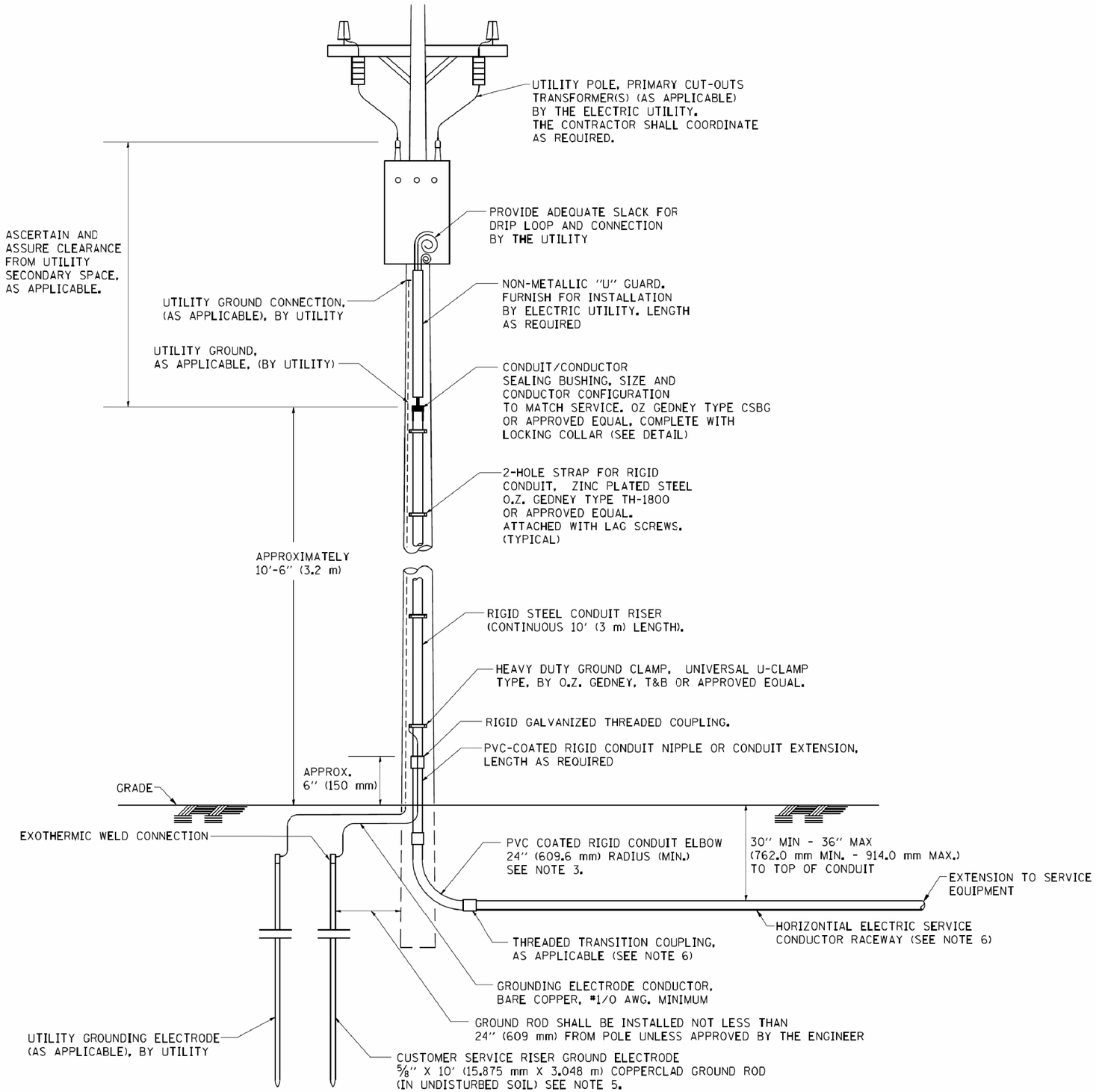
USER NAME = geglsenobt	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -	
PLOT DATE = 1/4/2008	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION
30' (9.144 m) TO 35' (10.668 m) M.H. 15" (381 mm) **BOLT CIRCLE**

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. N/A | TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL		70
	BE-300	CONTRACT NO. 60V40		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

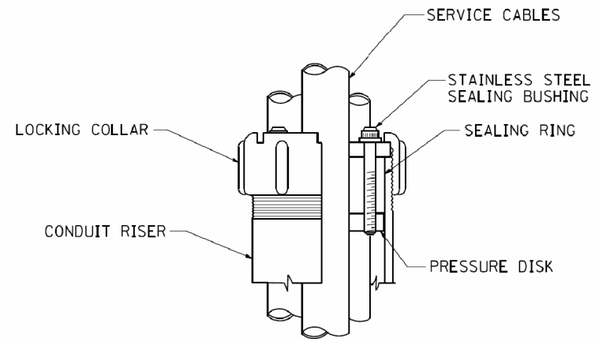


APPLICATION

THIS DETAIL APPLIES FOR LOW VOLTAGE ELECTRIC SERVICE (660 V OR LESS) FROM AN OVERHEAD UTILITY SUPPLY TO SEPERATLY-MOUNTED SERVICE EQUIPMENT.

NOTES

1. SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
2. UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
3. CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED ON THE PLANS.
4. PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
5. THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
6. THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALIC TO NON METALIC ADAPTER. WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
7. PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY. FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.



SEALING BUSHING DETAIL

LT-8

AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Rd, Suite 4B Downers Grove, IL 60516	USER NAME = gaglianobt	DESIGNED -	REVISED - 03-03-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						297	33N-2(12)	WILL		
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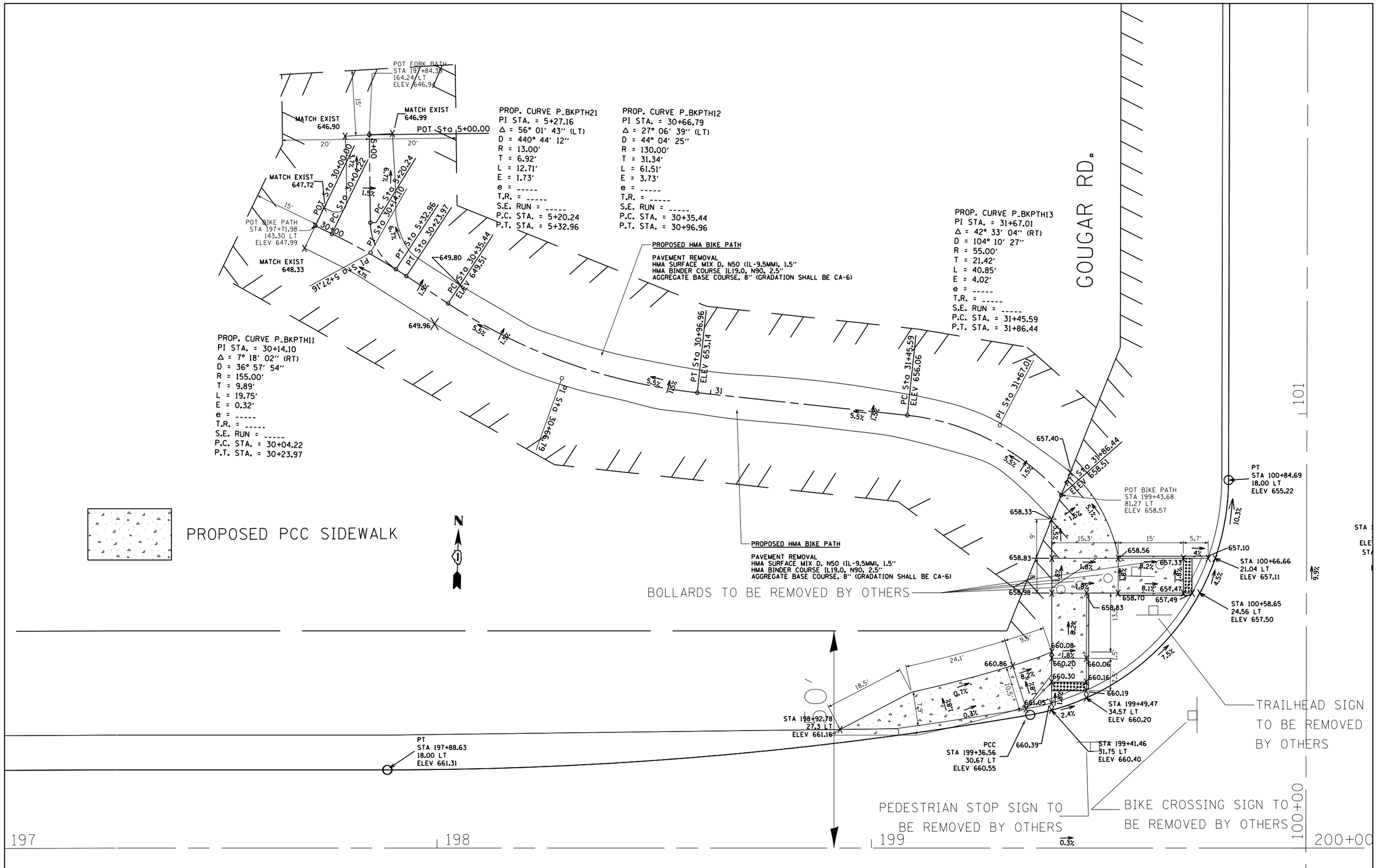

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	PLOT DATE = 12/13/2019	CHECKED -	REVISED -
Default		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NW CORNER ADA DETAIL
U.S. ROUTE 6 AT GOUGAR RD.

SCALE: 1"=10' | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	72
		CONTRACT NO. 60V40		
		ILLINOIS FED. AID PROJECT		

PROPOSED PCC SIDEWALK

U.S. ROUTE 6

PROP. R.O.W.

PROP. R.O.W.

N

PT
STA 100+84.69
18.00 LT
ELEV 655.22

TA 100+66.66
1.04 LT
LEV 657.11

100+58.65
6 LT
V 657.50

9.6%

TRAILHEAD SIGN
TO BE REMOVED
BY OTHERS

IGN TO
)THERS

100+00

200+00

201

202

99

PCC
STA 100+71.17
33.00 RT
ELEV 656.68

STA 100+66.79
34.66 RT
ELEV 657.10

STA 100+59.01
38.65 RT
ELEV 657.23

STA 200+49.87
45.50 LT
ELEV 658.05

STA 200+57.87
39.40 LT
ELEV 658.20

PC
STA 200+90.12
30.00 LT

STA 201+00
30.00 LT
ELEV 660.67

657.09
657.11
657.17
657.23
657.22
657.24
657.96
658.01
658.12
658.04
658.60
658.65
658.19
660.54

9%
1.5%
4.7%
5.6%
7.8%
5.3%
7.7'
5.9'
9.8'
9.5'
5.7'
10.7'
14.3'

PC
STA 201+61.60
18.00 RT

STA 201+00
24.66 RT
ELEV 660.75

STA 200+57.87
38.69 RT
ELEV 661.23

STA 200+49.87
44.70 RT
ELEV 661.33

STA 99+40.79
38.08 RT
ELEV 661.71

STA 99+32.78
34.20 RT
ELEV 661.80

PT
STA 99+10.72
30.00 RT

STA 99+00
30.00 RT
ELEV 662.29

660.56
661.22
661.70
661.24
661.75
661.32
661.34
661.29
661.72
661.70
661.39
661.78
661.87
661.79
661.85

1%
12.2%
4.6%
34.8'
15.8'
10'
9.5'
8.1'
5.3'
1.5%
1.4%

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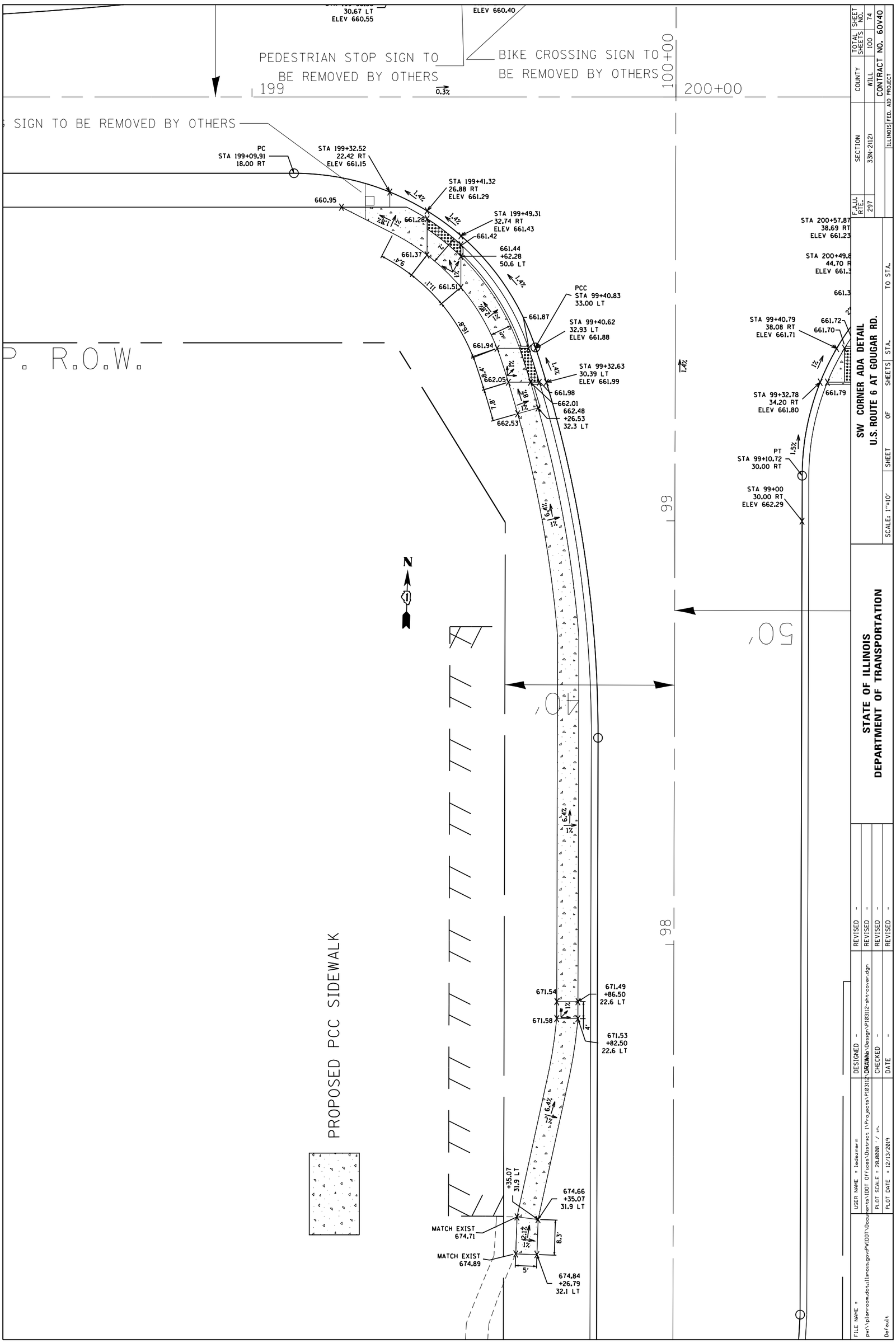
Default	PLOT DATE = 12/13/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NE & SE CORNER ADA DETAIL
U.S. ROUTE 6 AT GOUGAR RD.

SCALE: 1"=10' | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	73
		CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	74
	ILLINOIS FED. AID PROJECT	CONTRACT NO. 60V40		

SW CORNER ADA DETAIL
U.S. ROUTE 6 AT GOUGAR RD.

SCALE: 1"=10' | SHEET | OF | SHEETS | STA. | TO STA.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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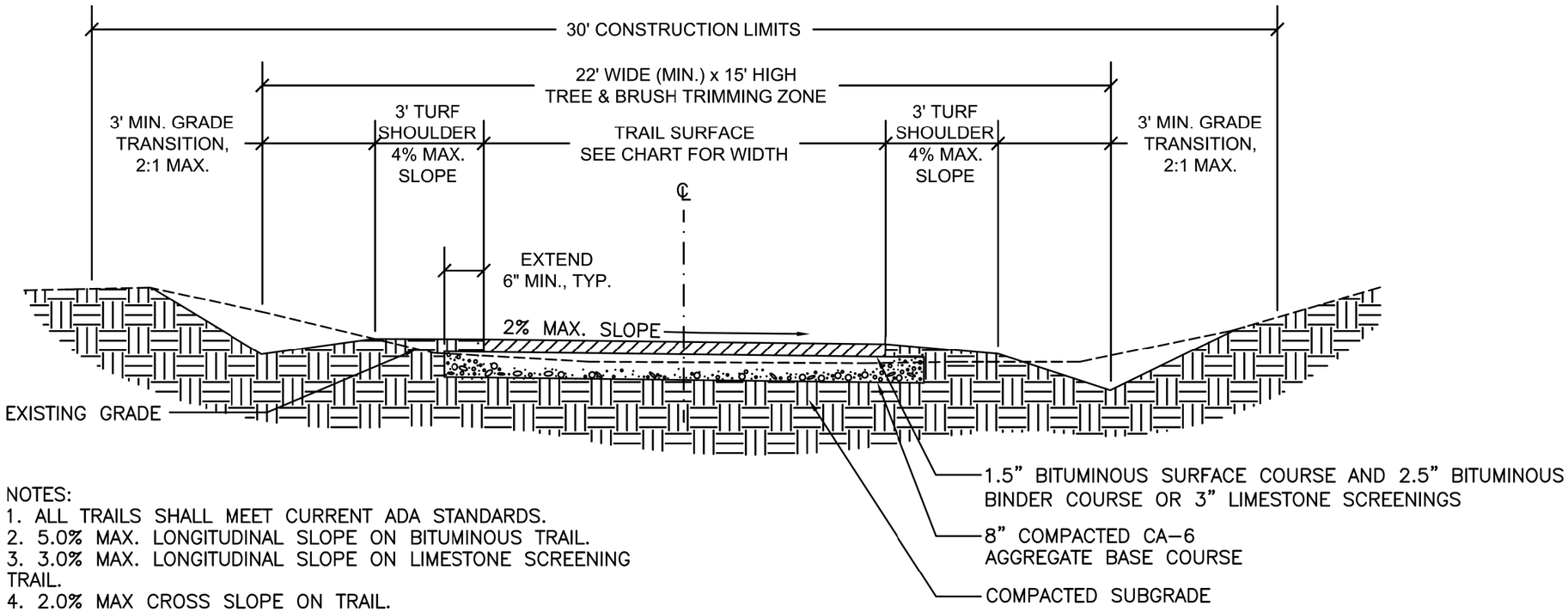
TRAIL CLASS	√	TRAIL SURFACE MATERIAL	WIDTH	USAGE
A		BITUMINOUS	10'	LOW TRAFFIC
		BITUMINOUS	12'	HIGH TRAFFIC
B		LIMESTONE SCREENINGS	10'	LOW TRAFFIC AND/OR HORSE TRAIL
		LIMESTONE SCREENINGS	12'	HIGH TRAFFIC AND/OR HORSE TRAIL



NOTES:
1. ALL TRAILS SHALL MEET CURRENT ADA STANDARDS.
2. 5.0% MAX. LONGITUDINAL SLOPE ON BITUMINOUS TRAIL.
3. 3.0% MAX. LONGITUDINAL SLOPE ON LIMESTONE SCREENING TRAIL.
4. 2.0% MAX CROSS SLOPE ON TRAIL.
5. WATER SHALL NOT FLOW ACROSS ANY TRAIL WITHOUT OWNER'S APPROVAL.

Forest Preserve District Will County

TRAIL CROSS-SECTION (Class A/B)

Standard Details - Trails

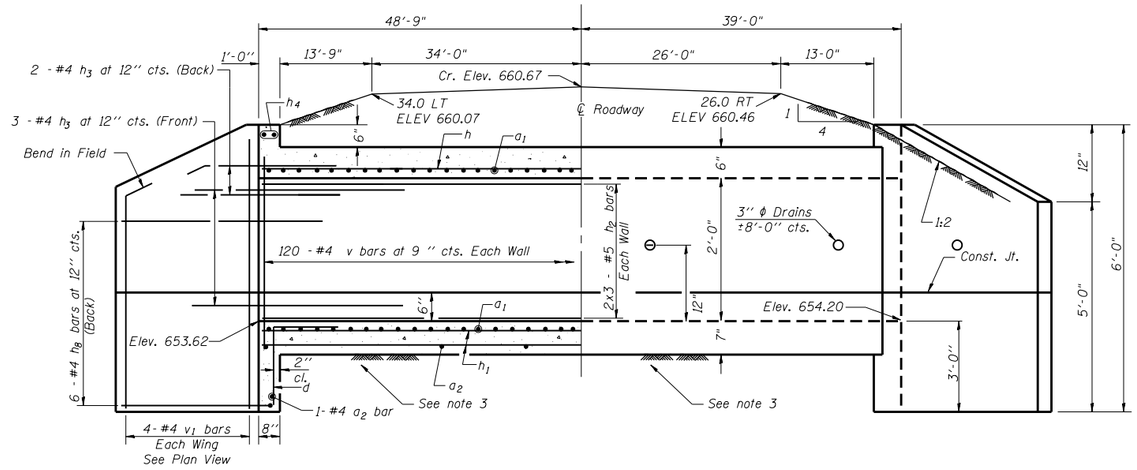
17540 Laraway Road Joliet, IL 60433 815-727-8700

Scale: Not to Scale

Revision Date: 02/16/16

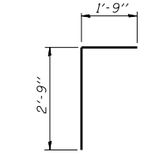
Sheet X of X

G:\Landscape Architecture\Standard Details and Symbols\Standard Details\Trail Details\Trail Cross-Section Detail - Class A & B.dwg



HALF LONG. SECTION

HALF ELEVATION



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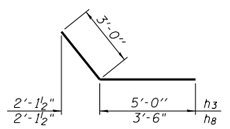
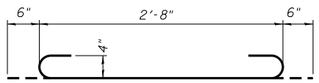
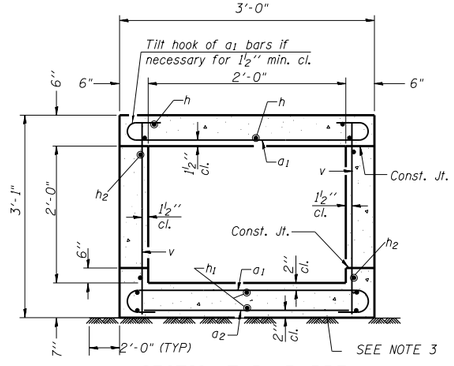


BARS h3 & h8



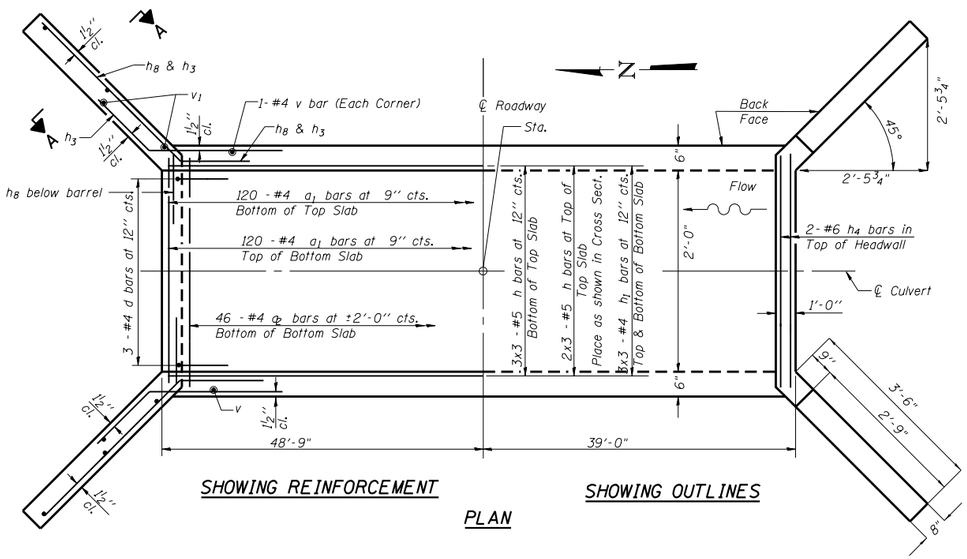
BAR a1



SECTION THRU BARREL

MIN. BAR LAP

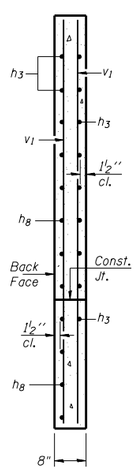
#4 - 1'-4"
#5 - 1'-8"



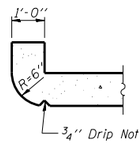
SHOWING REINFORCEMENT

SHOWING OUTLINES

PLAN



SECTION A-A



SECTION THRU HEADWALL
(Up Stream End Only)

DESIGN STRESSES

fy = 60,000 psi
f'c = 3,500 psi

LOADING HS 20-44 & ALT.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1	240	#4	3'-8"	
a2	46	#4	2'-8"	
d	6	#4	4'-6"	
h	15	#5	30'-8"	
h1	18	#4	30'-5"	
h2	12	#5	30'-8"	
h3	20	#4	8'-0"	
h4	4	#6	2'-8"	
h8	24	#4	6'-6"	
v	244	#4	2'-9"	
v1	16	#4	5'-8"	
Aggregate Subgrade		Cu. Yd.	24.8	
Concrete Removal		Cu. Yd.	10.2	
Structure Excavation		Cu. Yd.	10.8	
Concrete Box Culverts		Cu. Yd.	19.3	
Reinforcement Bars		Pound	2640	

NOTES

1. A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
2. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
3. Aggregate gradation CS-01 meeting requirements of AGGREGATE SUBGRADE IMPROVEMENT (D1) special provisions. Top 3 inches shall be virgin aggregate meeting gradation requirements of CA-6
4. Bars indicated thus 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.

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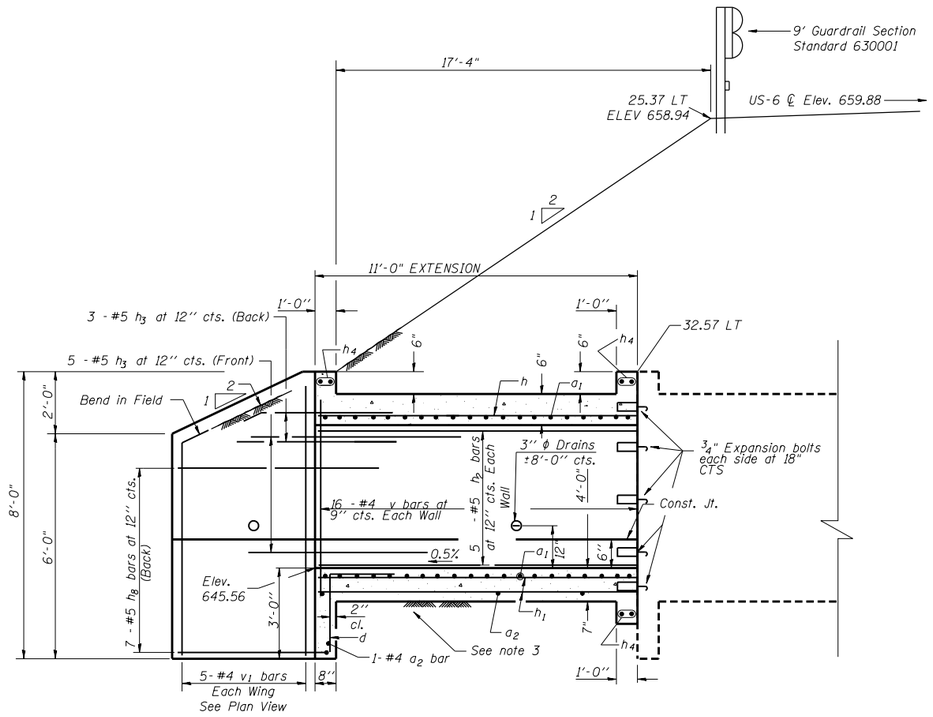
Default	PLOT DATE = 12/13/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 6 AT GOUGAR ROAD
PROPOSED CULVERT AT STA 201+43

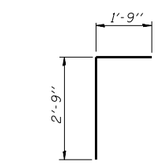
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	76
		CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			

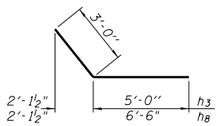


PROPOSED EXTENSION

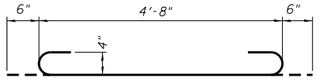
EXISTING CULVERT



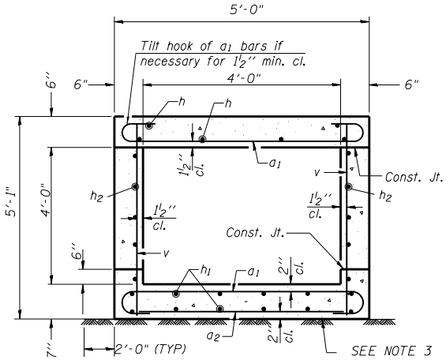
BAR d



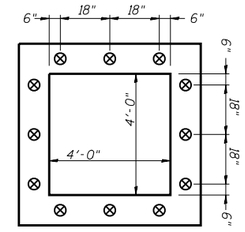
BARS h_3 & h_8



BAR a_1



SECTION THRU BARREL



SECTION THRU BARREL

Showing Expansion Bolts

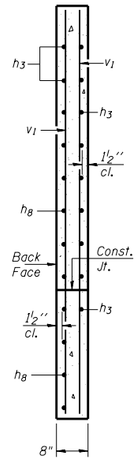
EXPANSION BOLTS SHALL CONSIST OF SELF DRILLING EXPANSION SHIELDS AND $\frac{3}{4}$" ϕ HOOKED BOLTS.

HOOKED BOLTS SHALL EXTEN A MINIMUM OF 9" INTO NEW CONCRETE

DESIGN STRESSES

fy = 60,000 psi
f'c = 3,500 psi

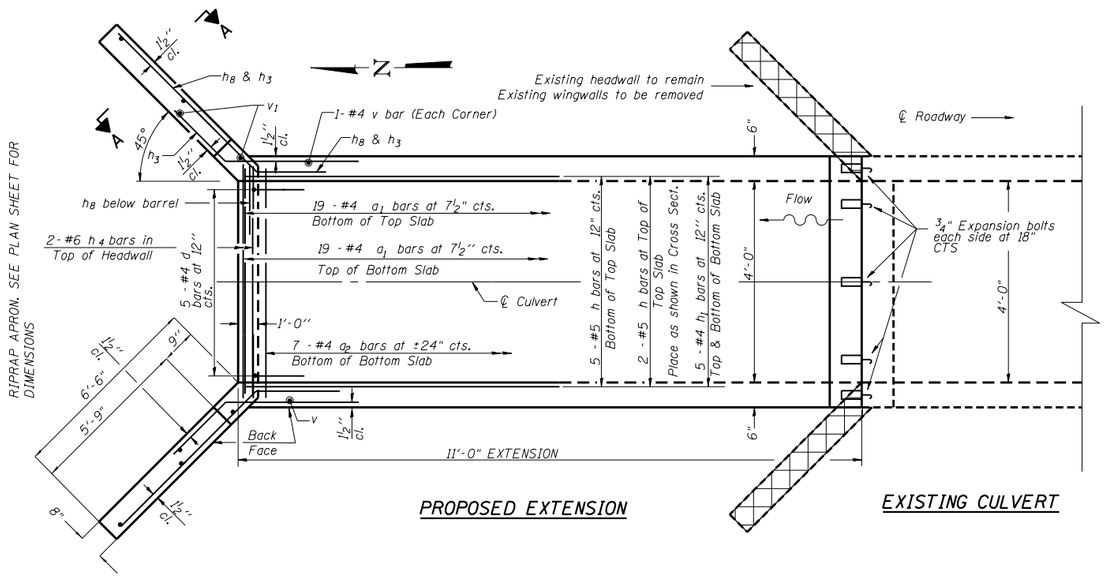
LOADING HS 20-44 & ALT.



SECTION A-A

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1	38	#4	5'-8"	
a2	7	#4	4'-8"	
d	5	#4	4'-6"	
h	7	#5	10'-10"	
h1	10	#4	10'-10"	
h2	10	#5	10'-10"	
h3	16	#5	8'-0"	
h4	6	#6	4-9"	
h8	14	#5	9'-6"	
v	34	#4	4'-9"	
v1	12	#4	7'-8"	
Aggregate Subgrade		Cu. Yd.	10.9	
Expansion Bolts 3/4"		EA	12	
Concrete Removal		Cu. Yd.	1.7	
Structure Excavation		Cu. Yd.	6.2	
Concrete Box Culverts		Cu. Yd.	6.2	
Reinforcement Bars		Pound	930	



PROPOSED EXTENSION

EXISTING CULVERT

PLAN

LEGEND

CONCRETE REMOVAL

NOTES

1. A distance not less than six feet of the barrel shall be poured monolithically with the wingwalls.
2. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
3. Aggregate gradation CS-01 meeting requirements of AGGREGATE SUBGRADE IMPROVEMENT (D1) special provisions. Top 3 inches shall be virgin aggregate meeting gradation requirements of CA-6. A minimum of 36" of AGGREGATE SUBGRADE IMPROVEMENT shall be used as bedding for the barrel in this extension.

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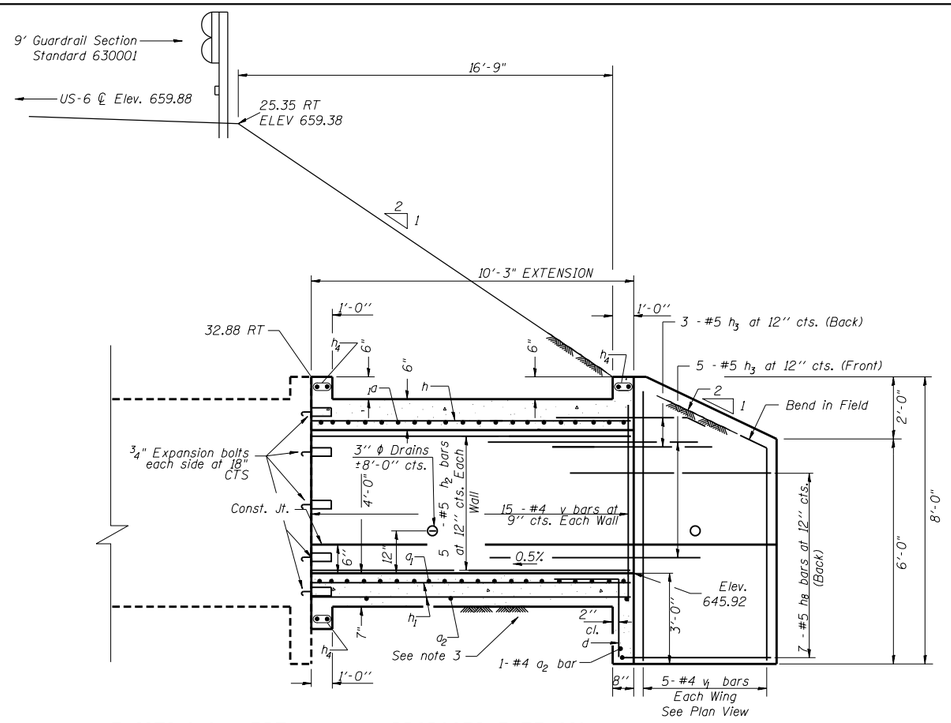
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

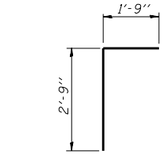
U.S. ROUTE 6 AT GOUGAR ROAD
CULVERT EXTENSION AT STA 207+00 LT

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	77
		CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			



EXISTING CULVERT PROPOSED EXTENSION



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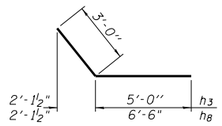
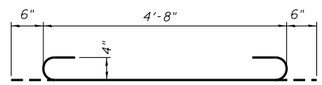
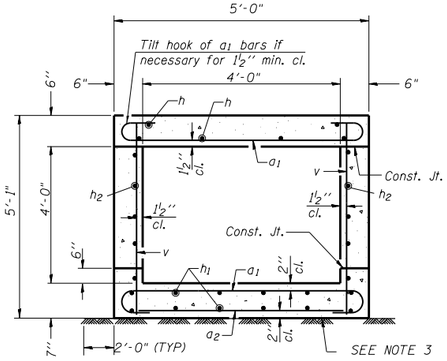


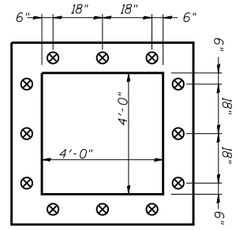
BARS h_3 & h_8



BAR a_1



SECTION THRU BARREL

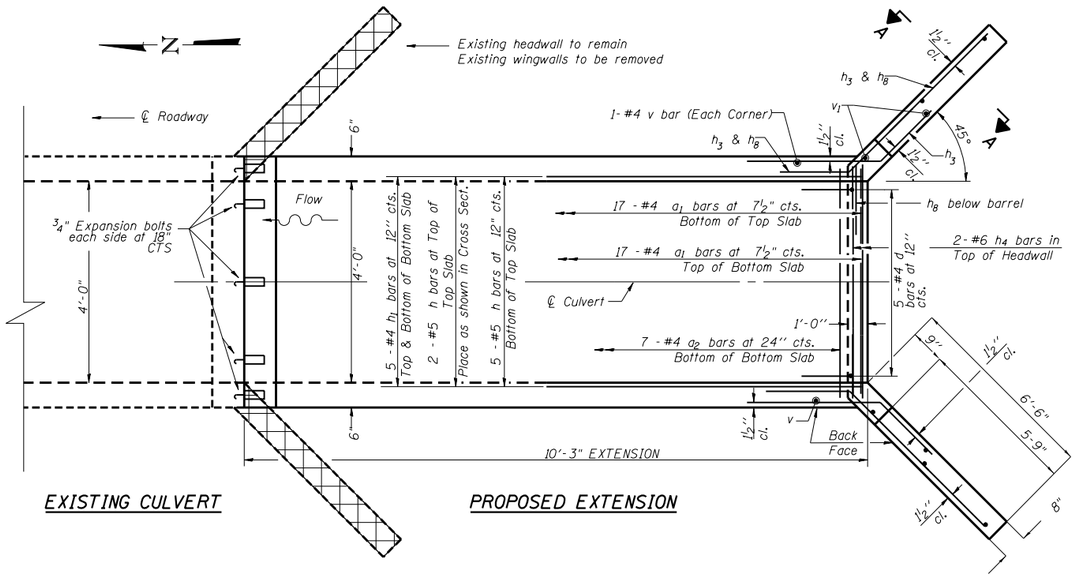


SECTION THRU BARREL

Showing Expansion Bolts

EXPANSION BOLTS SHALL CONSIST OF SELF DRILLING EXPANSION SHIELDS AND $\frac{3}{4}$" ϕ HOOKED BOLTS.

HOOKED BOLTS SHALL EXTEN A MINIMUM OF 9" INTO NEW CONCRETE



EXISTING CULVERT PROPOSED EXTENSION

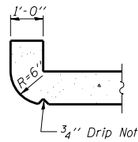
PLAN

DESIGN STRESSES

fy = 60,000 psi
f'c = 3,500 psi

LOADING HS 20-44 & ALT.

SECTION A-A



SECTION THRU HEADWALL
(Up Stream End Only)

LEGEND

CONCRETE REMOVAL

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a_1	34	#4	5'-8"	
a_2	6	#4	4'-8"	
d	5	#4	4'-6"	
h	7	#5	10'-0"	
h_1	10	#4	10'-0"	
h_2	10	#5	10'-0"	
h_3	16	#5	8'-0"	
h_4	6	#6	4-9"	
h_8	14	#5	9'-6"	
v	34	#4	4'-9"	
v_1	12	#4	7'-8"	
Aggregate Subgrade		Cu. Yd.	3.7	
Expansion Bolts ¾"		EA	12	
Concrete Removal		Cu. Yd.	1.7	
Structure Excavation		Cu. Yd.	6.2	
Concrete Box Culverts		Cu. Yd.	5.9	
Reinforcement Bars		Pound	880	

NOTES

1. A distance not less than six feet of the barrel shall be poured monolithically with the wingwalls.
2. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
3. Aggregate gradation CS-01 meeting requirements of AGGREGATE SUBGRADE IMPROVEMENT (D1) special provisions. Top 3 inches shall be virgin aggregate meeting gradation requirements of CA-6. A minimum of 12" of AGGREGATE SUBGRADE IMPROVEMENT shall be used as bedding for the barrel in this extension.

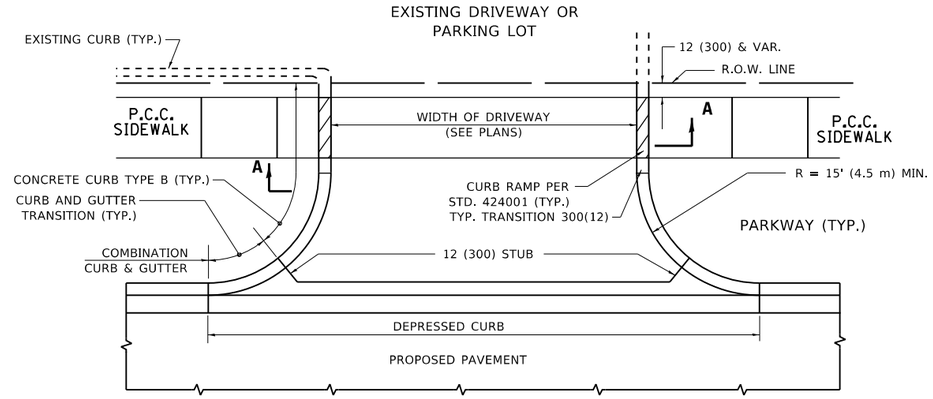
FILE NAME =	USER NAME = ledezmarm	DESIGNED -	REVISED -
pw:\\planroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\P103112\Design\P103112-sht-details.dgn		DRAWN -	REVISED -
	PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 12/13/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

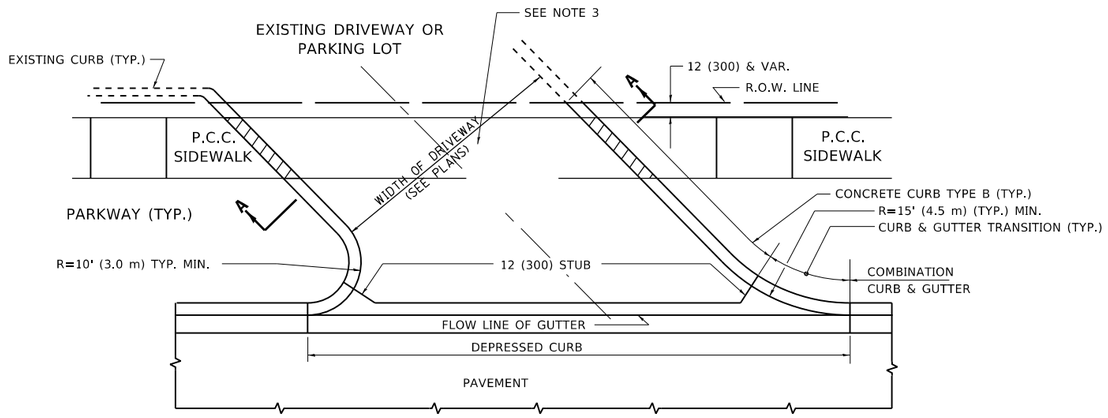
U.S. ROUTE 6 AT GOUGAR ROAD
CULVERT EXTENSION AT STA 207+00 RT

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

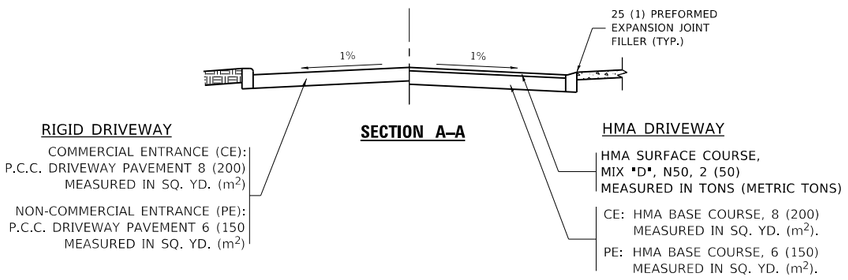
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	78
		CONTRACT NO. 60V40		
		ILLINOIS FED. AID PROJECT		

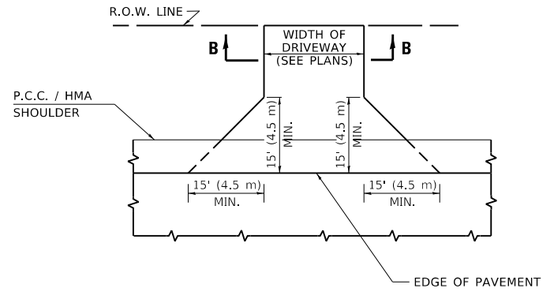


WITH CONCRETE CURB, TYPE B

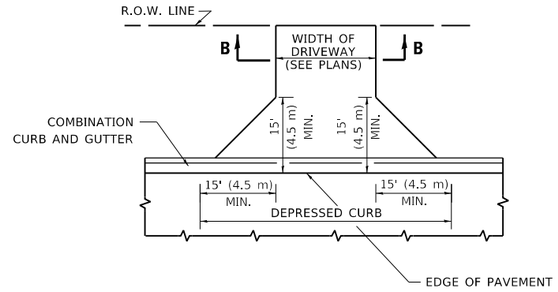


WITH CONCRETE CURB, TYPE B

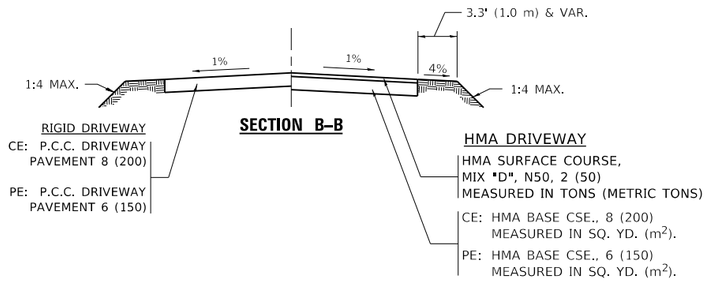




ADJACENT TO P.C.C./HMA SHOULDER



ADJACENT TO CURB AND GUTTER



GENERAL NOTES:

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

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

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

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.
1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.
WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

RURAL FIELD ENTRANCE (FE)

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

AGGREGATE BASE CSE., TYPE B, 8 (200)
MEASURED IN SQ. YD. (m^2).

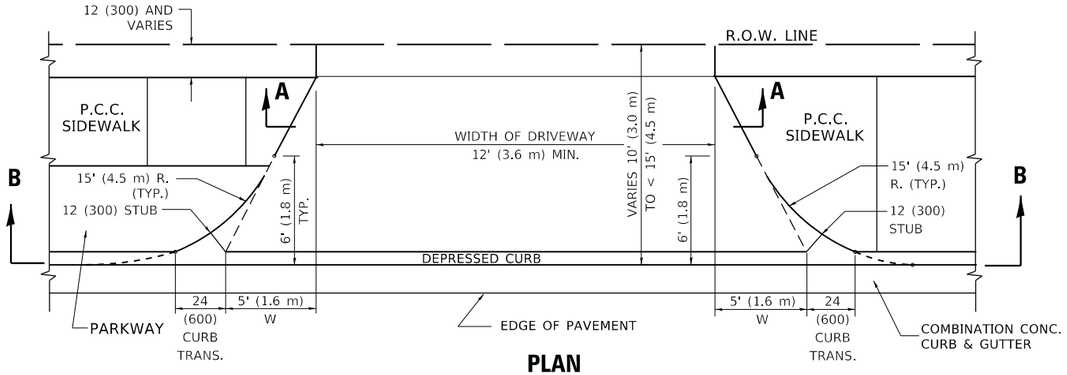
USER NAME = ledezmarm	DESIGNED - R. SHAH	REVISED - P. LaFLUER 04-15-03	
	DRAWN -	REVISED - R. BORO 01-01-07	
PLOT SCALE = 100.0002 ' / in.	CHECKED -	REVISED - R. BORO 06-11-08	
PLOT DATE = 12/13/2019	DATE - 11-04-95	REVISED - R. BORO 09-06-11	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

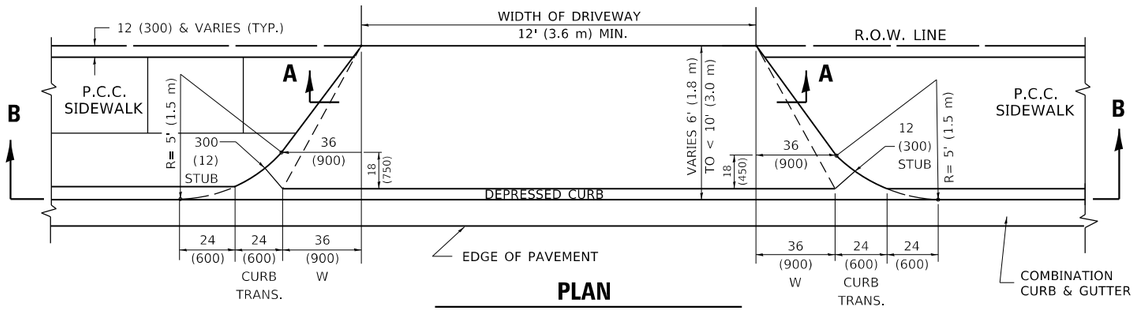
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	79
	BD400–01 (BD–01)	CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			



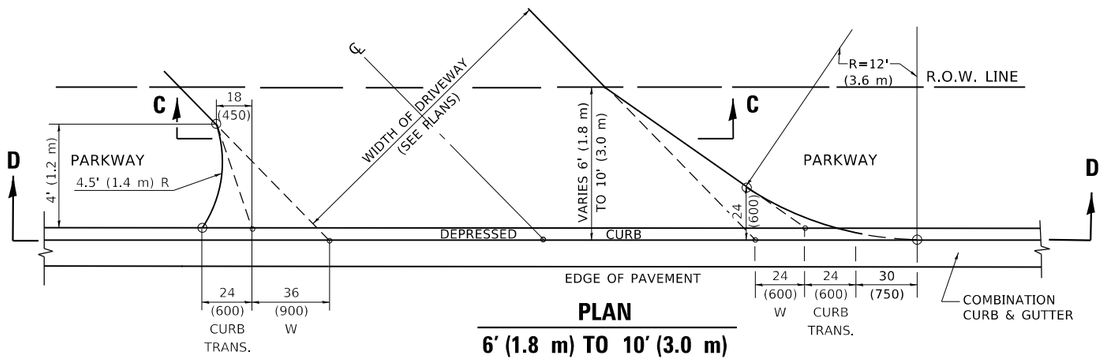
PLAN

10′ (3.0 m) TO < 15′ (4.5 m)



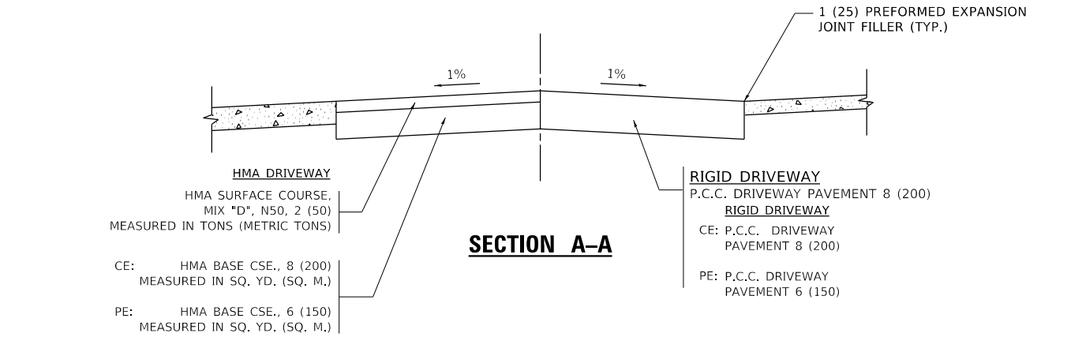
PLAN

6′ (1.8 m) TO < 10′ (3.0 m)

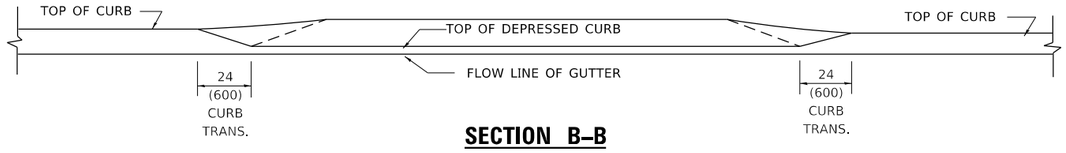


PLAN

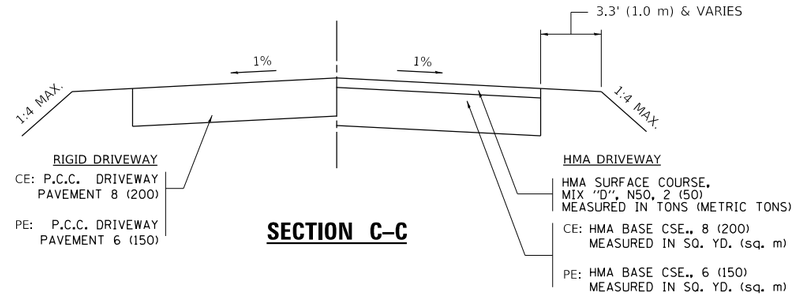
6′ (1.8 m) TO 10′ (3.0 m)



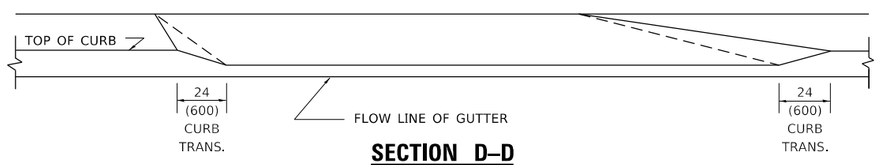
SECTION A–A



SECTION B–B



SECTION C–C



SECTION D–D

GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

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

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

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

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

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

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

MODEL: Default
FILE NAME: pw:\\planroom.dot.illinois.gov:PWIDOT1\Documents\IDOT Offices\District 1\Projects\P103112\CADData\Desk\mWalkStd.dgn

USER NAME = ledezmarm	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01	
	DRAWN -	REVISED - P. LaFLUER 04-15-03	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. BORO 01-01-07	
PLOT DATE = 12/13/2019	DATE - 11-06-95	REVISED - R. BORO 09-06-11	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS
DISTANCE BETWEEN ROW AND FACE OF CURB < 15′ (4.5m)

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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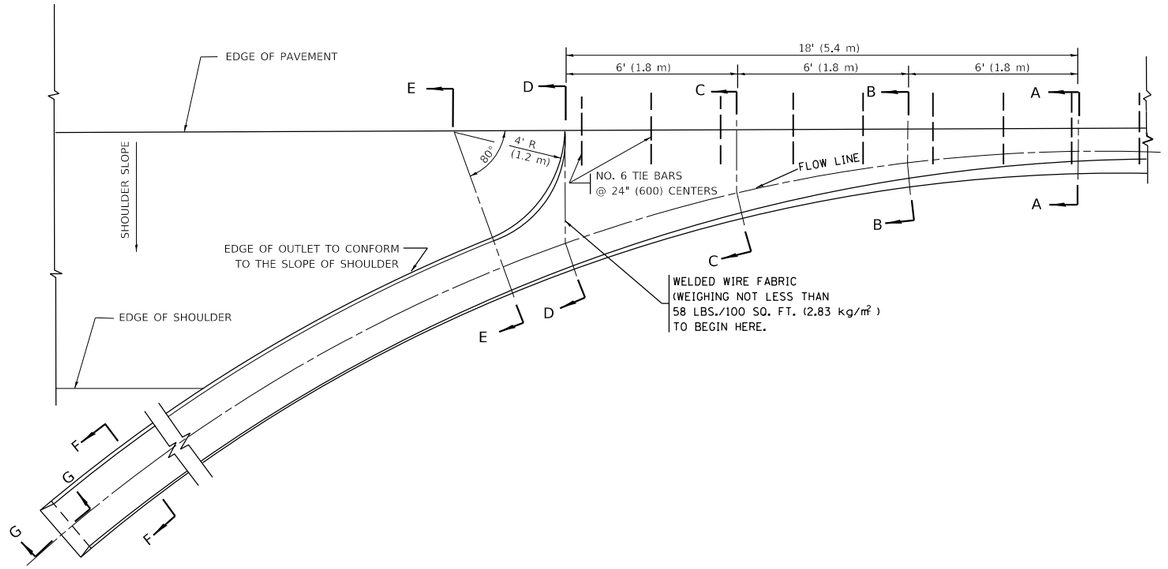
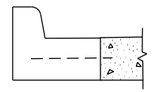
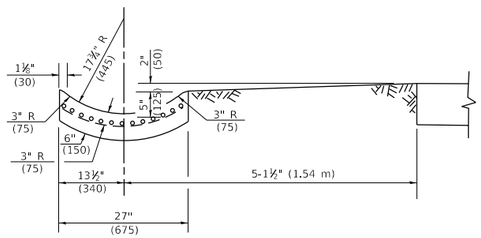
	BD400–02 (BD–02)	CONTRACT NO.	60V40	
	ILLINOIS FED. AID PROJECT			



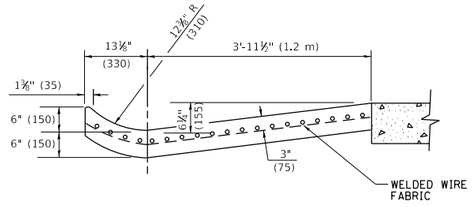


SECTION A–A ✳

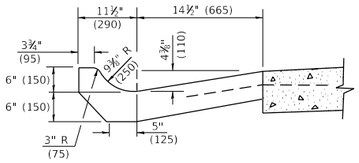
✳ DIMENSIONS OF THE CURB & GUTTER AT SECTION A-A ARE SHOWN ON STATE STANDARD 606001.
FOR DETAILS OF OUTLET FOR CONCRETE CURB & GUTTER, TYPE B-6.24 (B-15.60) SEE STATE STANDARD 606006.



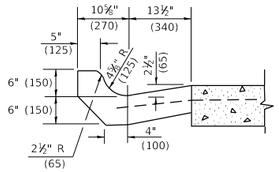
SECTION E–E



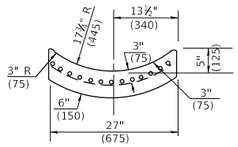
SECTION D–D



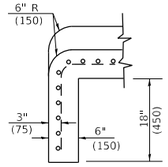
SECTION C–C



SECTION B–B



SECTION F–F



SECTION G–G

GENERAL NOTES

GUTTER OUTLET SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.
TIE BARS SHALL BE NO. 20 (NO.6) AT 24" (600) CENTERS UNLESS OTHERWISE SHOWN.
IF THE AVERAGE GRADE OF PAVEMENT FOR THE DISTANCE FROM SECTION A-A TO D-D EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 6' (1.8 m) FOR EACH 1% INCREASE IN GRADE.

QUANTITIES

FOR SECTION A-A TO E-E AND CURTAIN WALL=
1.25 CU. YDS. (0.96^{3}m) CLASS SI CONCRETE (OUTLET) FOR 9" (225) PAV'T.
1.27 CU. YDS. (0.96^{3}m) CLASS SI CONCRETE (OUTLET) FOR 10" (250) PAV'T.
FOR SECTION F-F=
0.045 CU. YDS. (0.03^{3}m) CLASS SI CONCRETE PER ft. (m).

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

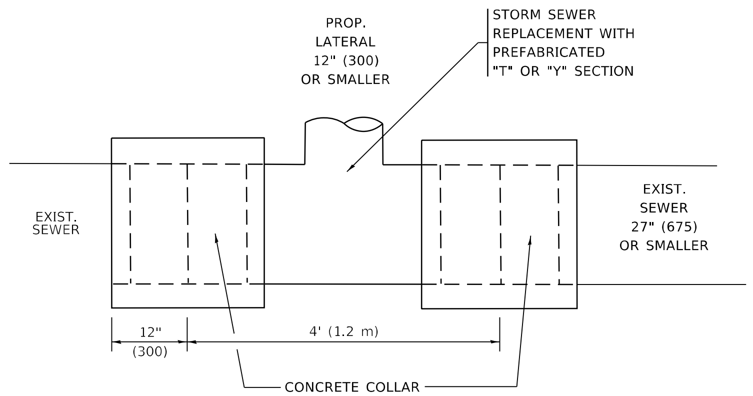
USER NAME = ledezmarm	DESIGNED - M. DE YONG	REVISED - R. SHAH 09-09-94	
	DRAWN -	REVISED - R. SHAH 10-25-94	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - E. GOMEZ 12-21-00	
PLOT DATE = 12/13/2019	DATE - 08-04-86	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OUTLET FOR CONCRETE CURB AND GUTTER

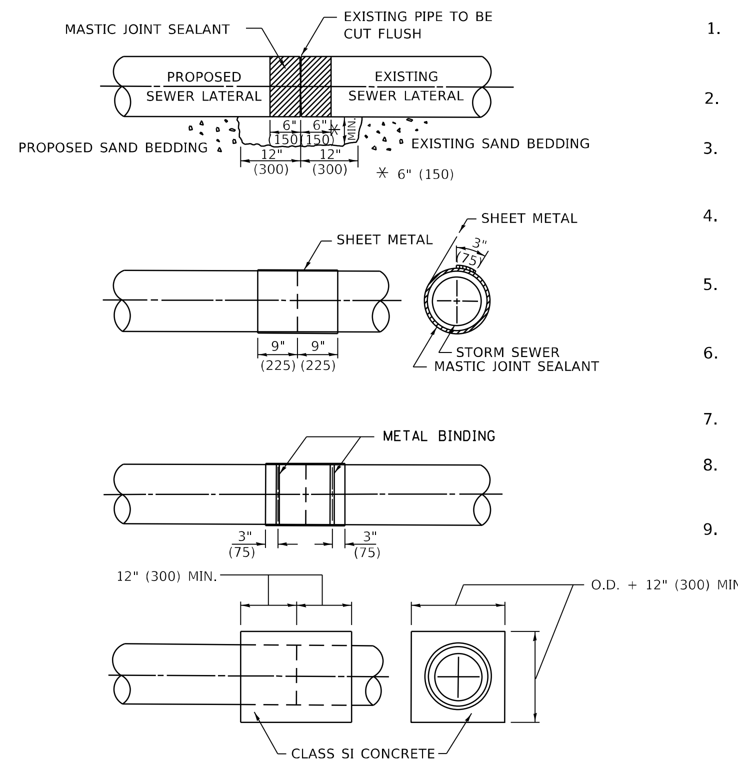
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	81
	BD600–01 (BD–03)	CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			



DETAIL "A"

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



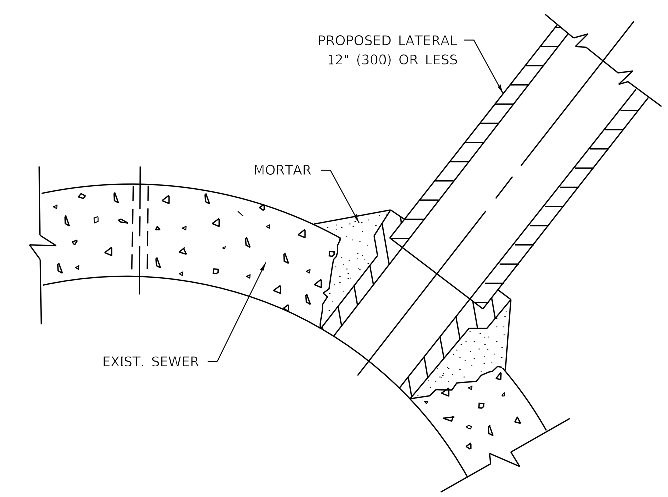
DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

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

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



DETAIL "C"

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

NOTES:

MATERIAL

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

CONSTRUCTION METHODS

I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.

II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

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

GENERAL

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

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

BASIS OF PAYMENT

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

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

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

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

USER NAME = ledezmarm	DESIGNED - M. DE YONG	REVISED - M. DE YONG 5-8-92
	DRAWN -	REVISED - R. SHAH 09-09-94
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. SHAH 10-25-94
PLOT DATE = 12/13/2019	DATE - 07-25-90	REVISED - R. SHAH 06-12-96

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	82

BD500-01 (BD-7) CONTRACT NO. 60V40

ILLINOIS FED. AID PROJECT

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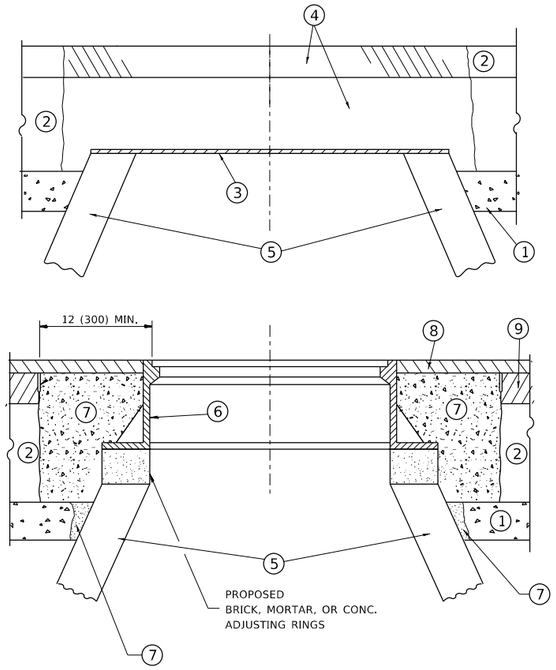

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1½ (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

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

✱ UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

NOTES

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

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

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

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

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

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

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

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

MODEL: Default
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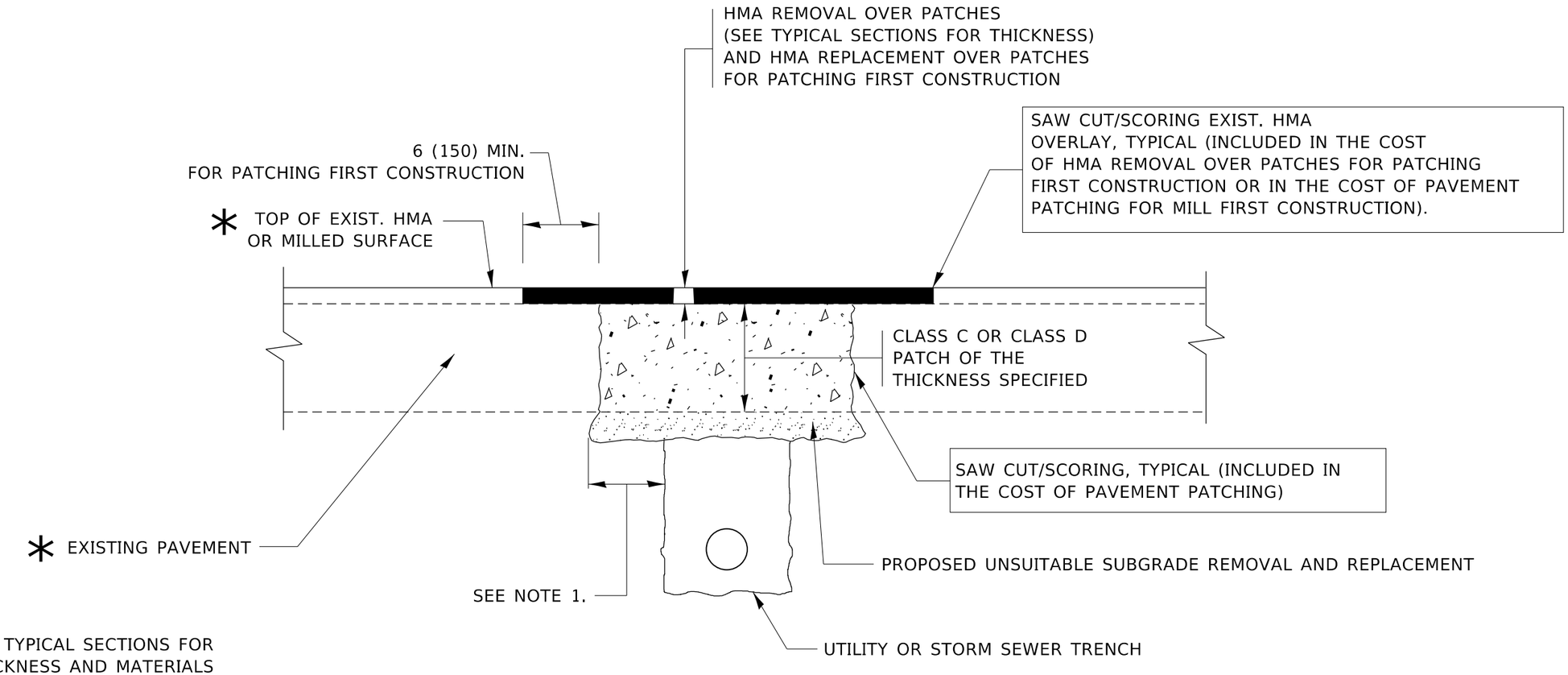
USER NAME = ledezmarm	DESIGNED - R. SHAH	REVISED - R. WEDEMAN 05-14-04	
	DRAWN -	REVISED - R. BORO 01-01-07	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. BORO 03-09-11	
PLOT DATE = 12/13/2019	DATE - 10-25-94	REVISED - R. BORO 12-06-11	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	83
	BD600-03 (BD-8)	CONTRACT NO.	60V40	
	ILLINOIS FED. AID PROJECT			



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

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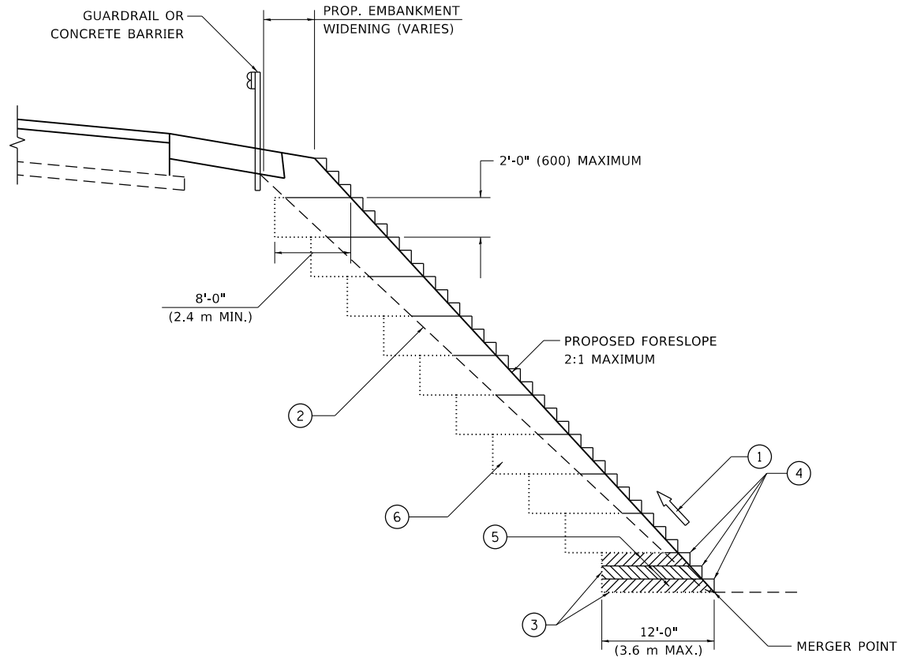
USER NAME = ledezmarm	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**
	DRAWN -	REVISED - R. BORO 01-01-07	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. BORO 09-04-07	
PLOT DATE = 12/13/2019	DATE - 10-25-94	REVISED - K. ENG 10-27-08	

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	84
	BD400-04 (BD-22)	CONTRACT NO.	60V40	
		ILLINOIS	FED. AID PROJECT	



TYPICAL BENCHING DETAIL FOR EMBANKMENT

NOTES:

1. CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
2. EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
3. BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
4. TRIM TO FINAL SLOPE.
5. EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
6. EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
7. SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

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

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	DRAWN -	CADD	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	S.E.B.	REVISED -
PLOT DATE = 12/13/2019	DATE -	06-16-04	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BENCHING DETAIL
FOR EMBANKMENT WIDENING

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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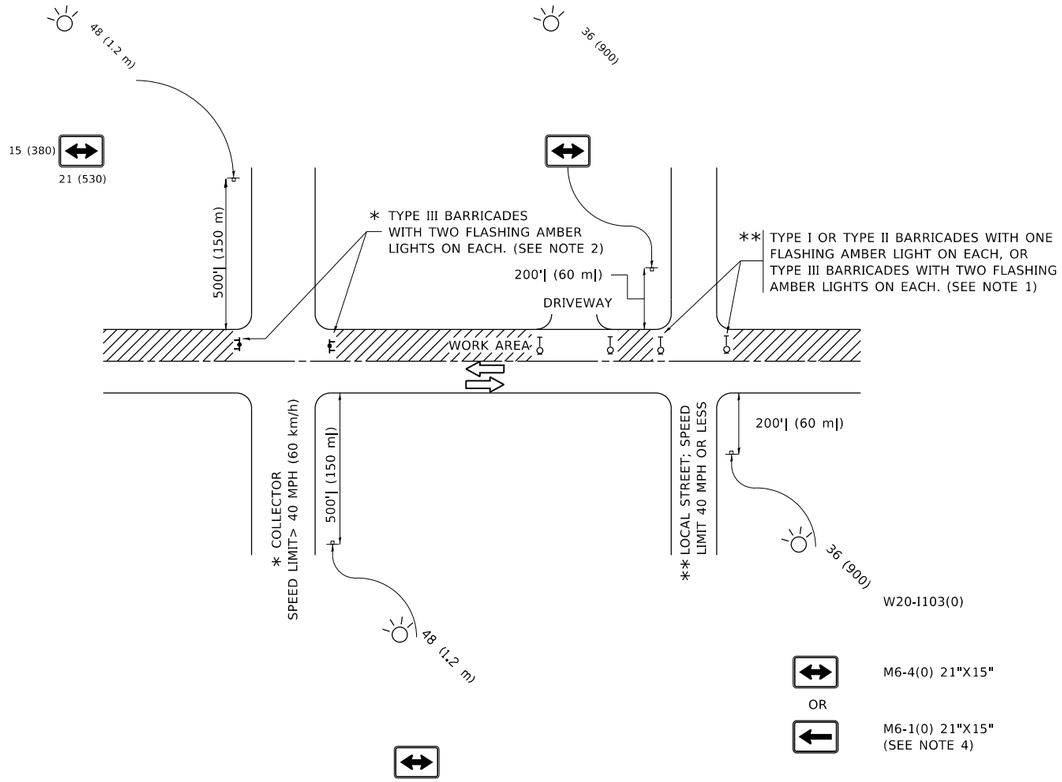
	BD-51	CONTRACT NO.	**60V40**	
	ILLINOIS FED. AID PROJECT			



NOTES:

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

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

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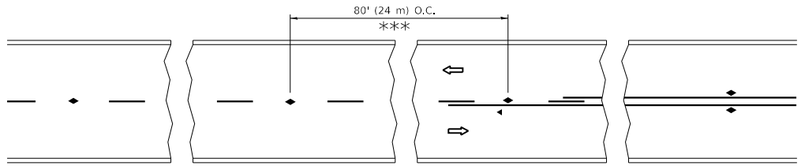
USER NAME = ledezmarm	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96	
	DRAWN -	REVISED - T. RAMMACHER 01-06-00	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13	
PLOT DATE = 12/13/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

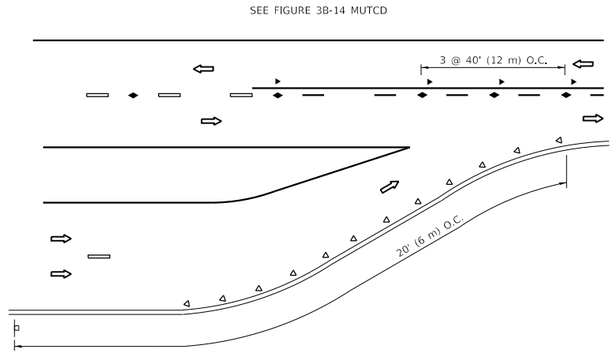
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	86
	TC-10	CONTRACT NO.	60V40	
	ILLINOIS FED. AID PROJECT			



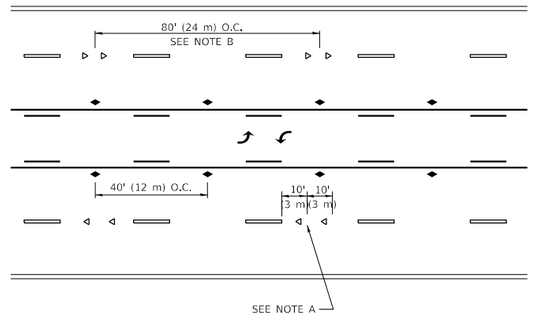
*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO–LANE/TWO–WAY

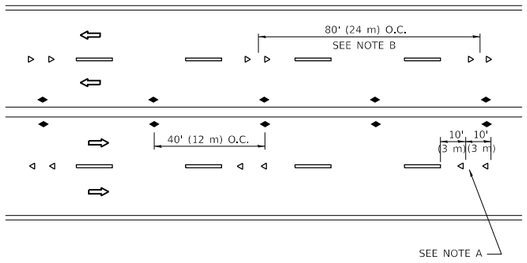
SEE FIGURE 3B-14 MUTCD



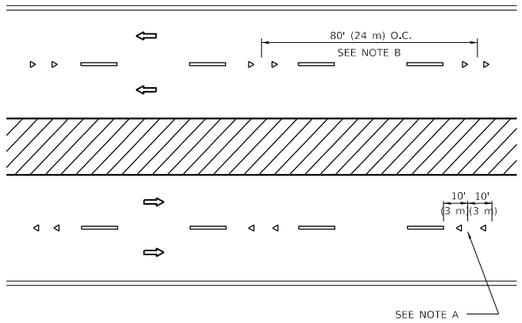
LANE REDUCTION TRANSITION



TWO–WAY LEFT TURN



MULTI–LANE/UNDIVIDED



MULTI–LANE/DIVIDED

GENERAL NOTES

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

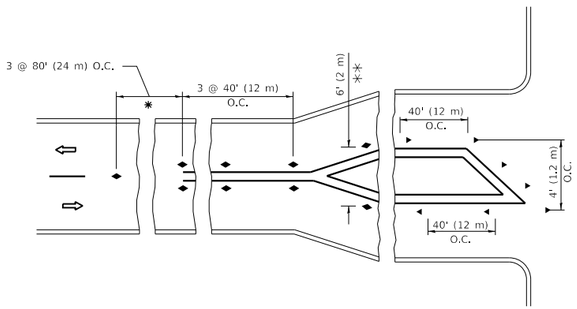
SYMBOLS

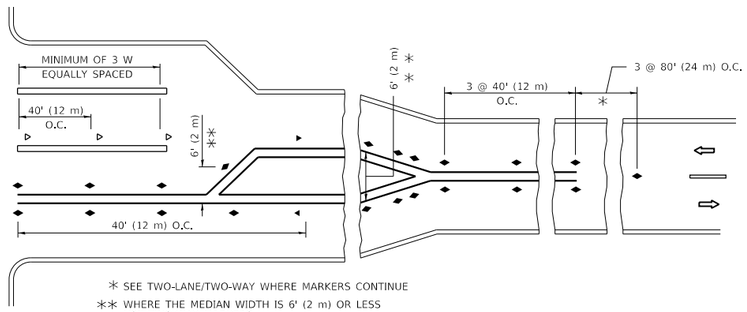
- YELLOW STRIPE
- WHITE STRIPE
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)
- TWO-WAY AMBER MARKER

LANE MARKER NOTES

A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.





* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE

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

TURN LANES

DESIGN NOTES

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

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

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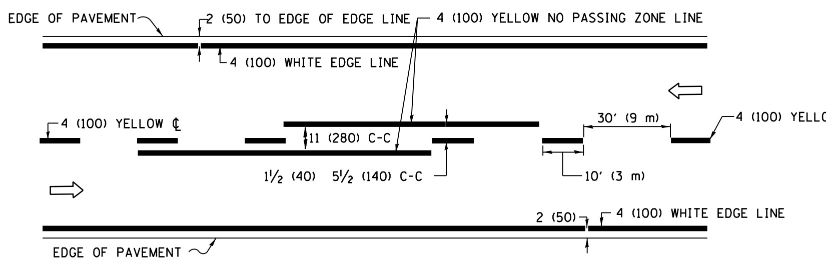
	DRAWN -	REVISED	- T. RAMMACHER 01-06-00
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED	- C. JUCIUS 09-09-09
PLOT DATE = 12/13/2019	DATE -	REVISED	- C. JUCIUS 07-01-13

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

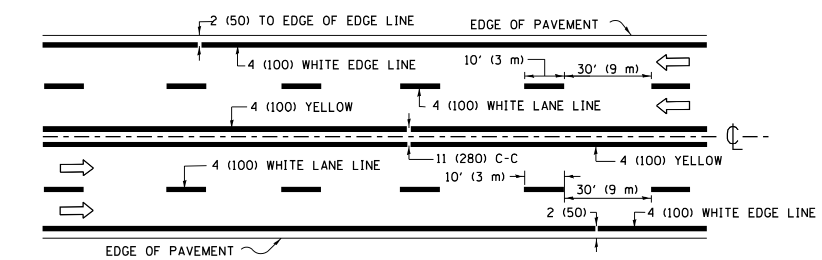
TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW–PLOW RESISTANT)

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

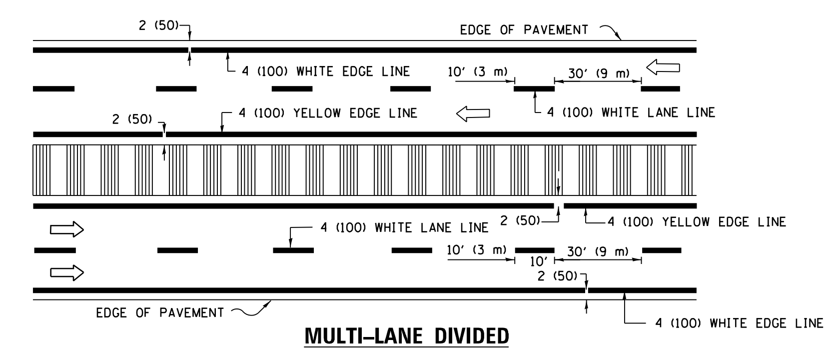
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	87
	TC-11	CONTRACT NO. 60V40		
	ILLINOIS	FED. AID PROJECT		



2–LANE ROADWAY

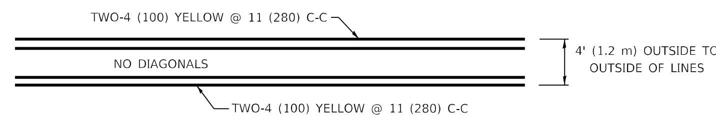


MULTI–LANE UNDIVIDED

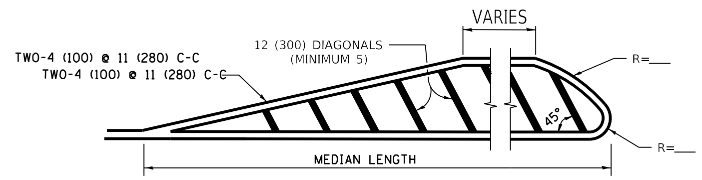


MULTI–LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING



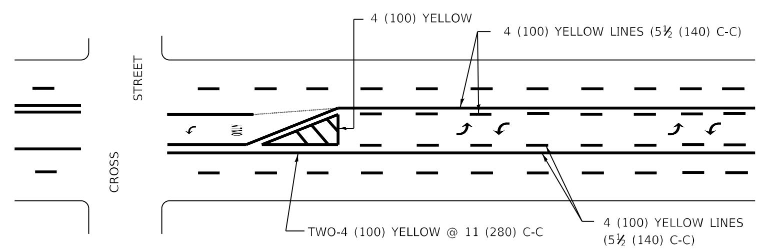
4' (1.2 m) WIDE MEDIANS ONLY



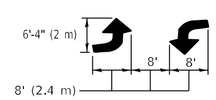
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

MEDIANS OVER 4' (1.2 m) WIDE

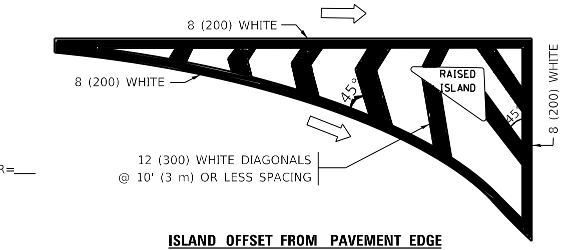


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.

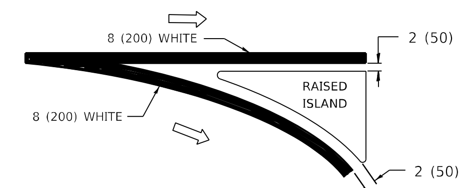


MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

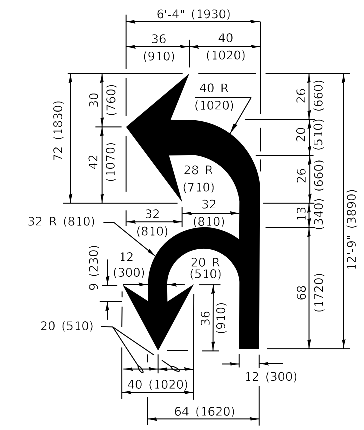


ISLAND OFFSET FROM PAVEMENT EDGE

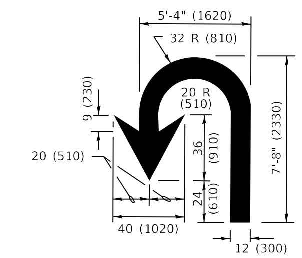


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

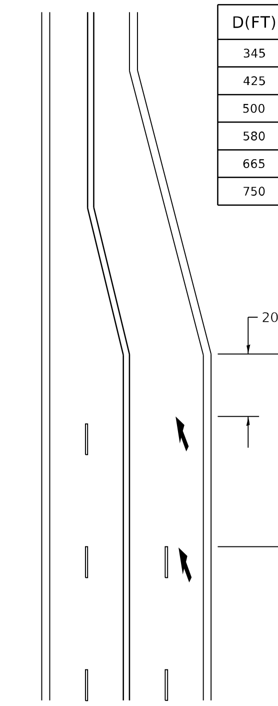


COMBINATION LEFT AND U–TURN



U–TURN

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



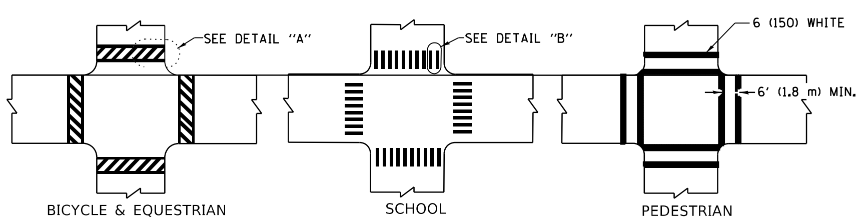
LANE REDUCTION TRANSITION

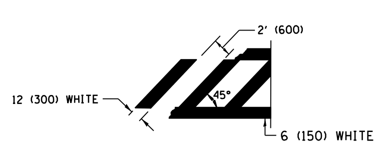
* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m^2) EACH "X"=54.0 SQ. FT. (5.0 m^2)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

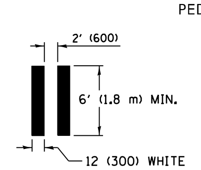
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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





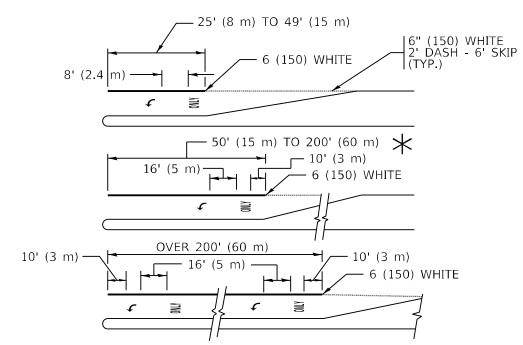
DETAIL "A"



DETAIL "B"

TYPICAL CROSSWALK MARKING

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



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1.5 m^2) **ONLY** AREA = 20.8 SQ. FT. (1.9 m^2)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

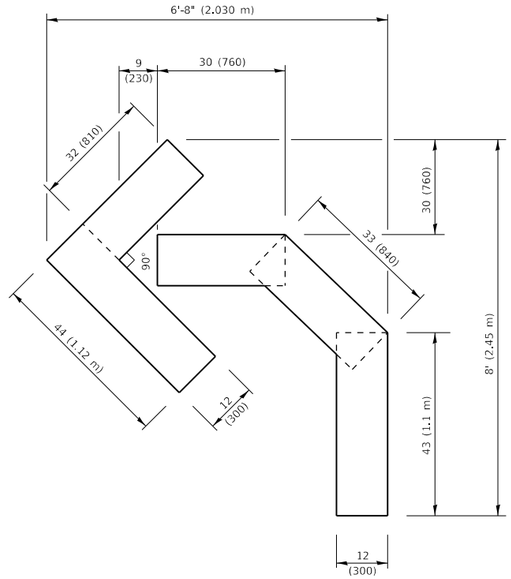
USER NAME = ledezmarm	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED - C. JUCIUS 07-01-13	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15	
PLOT DATE = 12/13/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16	

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE | SHEET 1 OF 2 SHEETS | STA. TO STA.

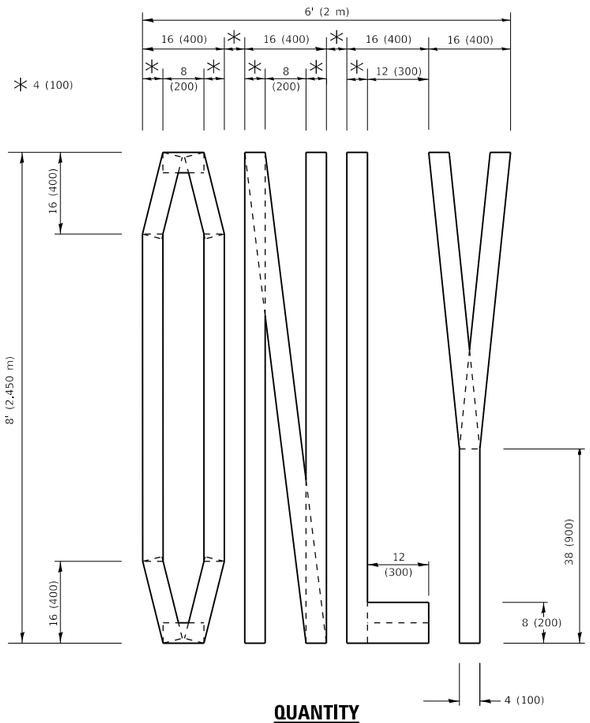
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	88
	TC–13	CONTRACT NO. 60V40		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: pw:\\planroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\P103112\CADData\Design\Dist1Std.dgn



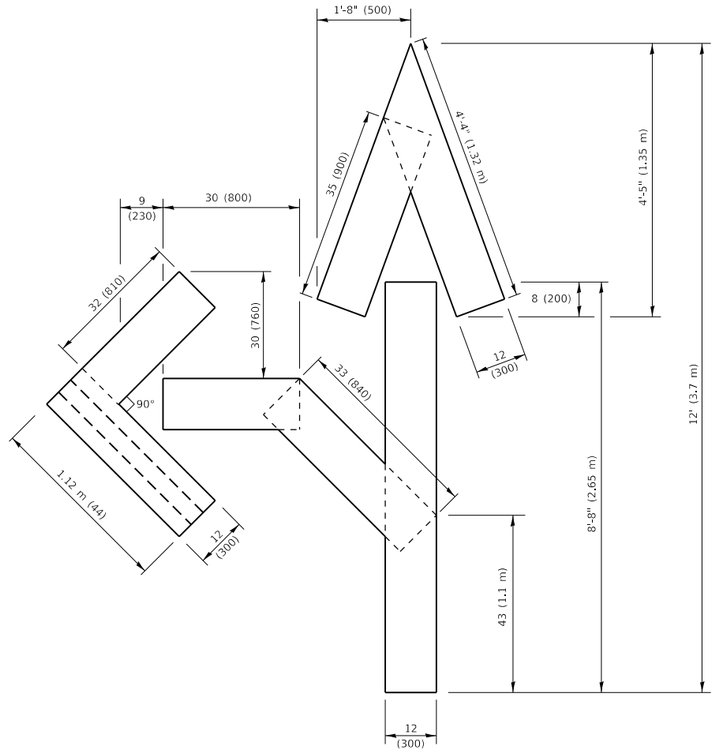
QUANTITY

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



QUANTITY

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

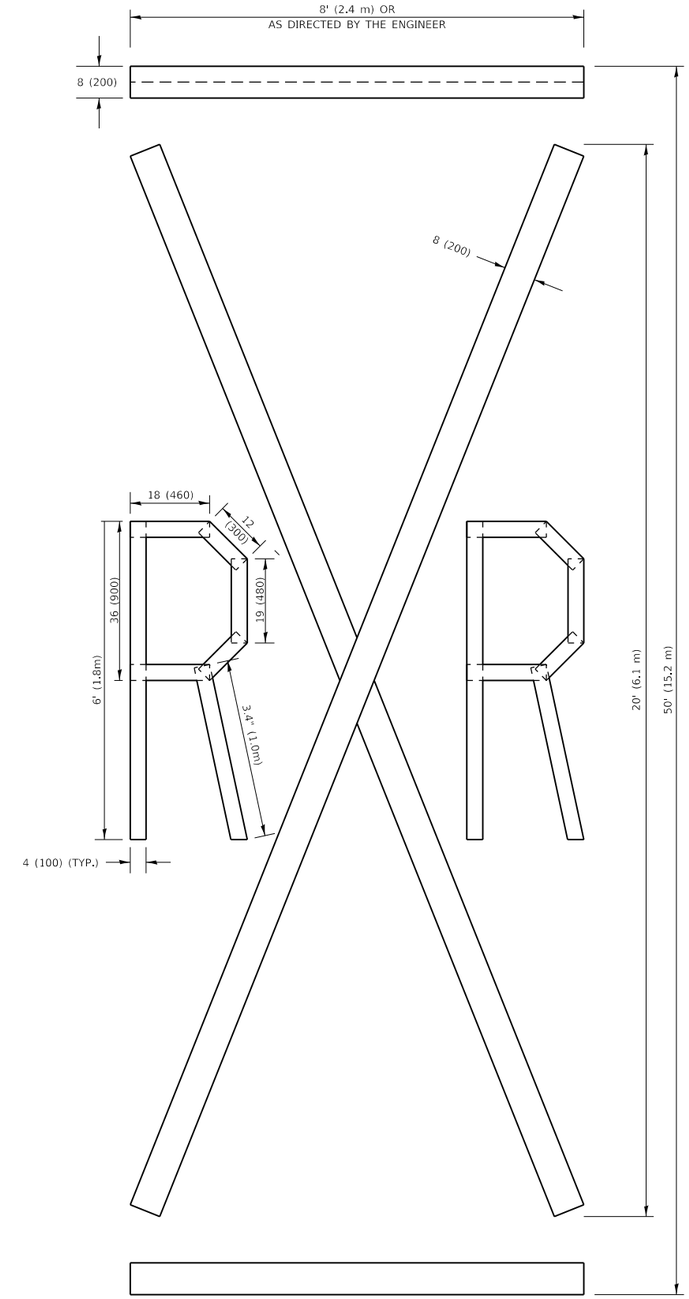


QUANTITY

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

NOTE:

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



QUANTITY

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

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

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USER NAME = ledezmarm	DESIGNED -	REVISED - T. RAMMACHER 03-02-98	
	DRAWN -	REVISED - E. GOMEZ 08-28-00	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00	
PLOT DATE = 12/13/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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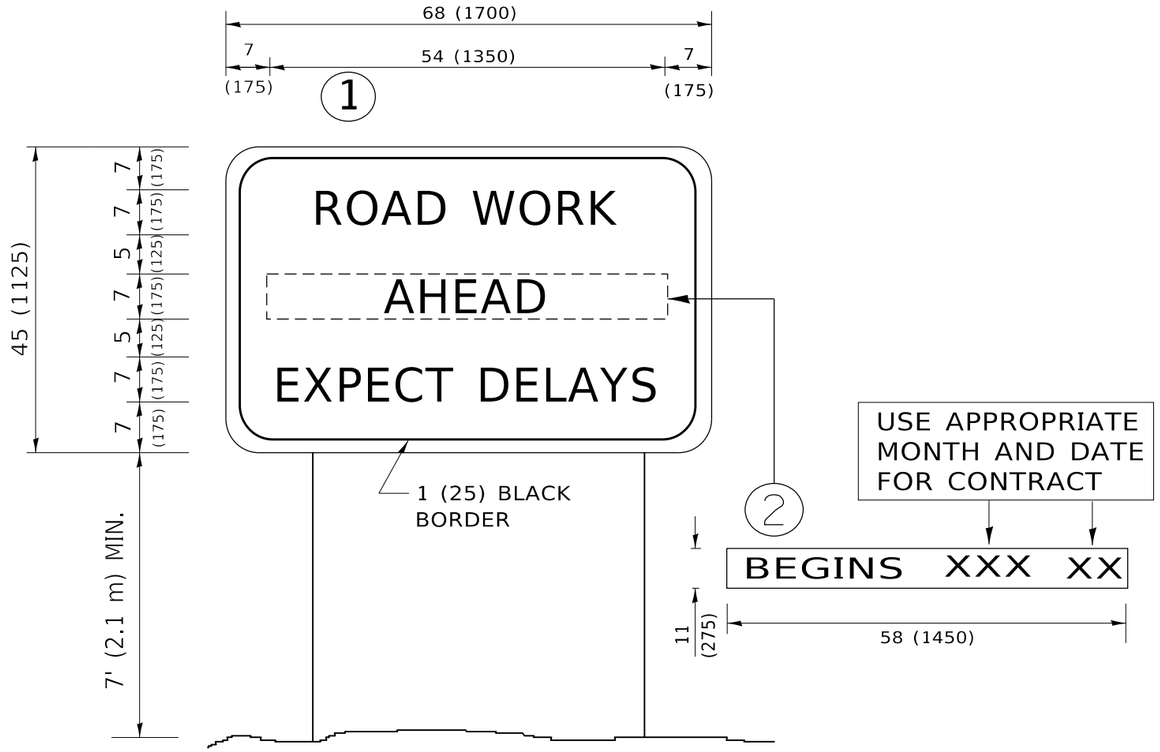
	TC-16	CONTRACT NO.	60V40	
	ILLINOIS FED. AID PROJECT			



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.

USER NAME = ledezmarm	DESIGNED -	REVISED -	R. MIRS 09-15-97
	DRAWN -	REVISED -	R. MIRS 12-11-97
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED	-T. RAMMACHER 02-02-99
PLOT DATE = 12/13/2019	DATE -	REVISED -	C. JUCIUS 01-31-07

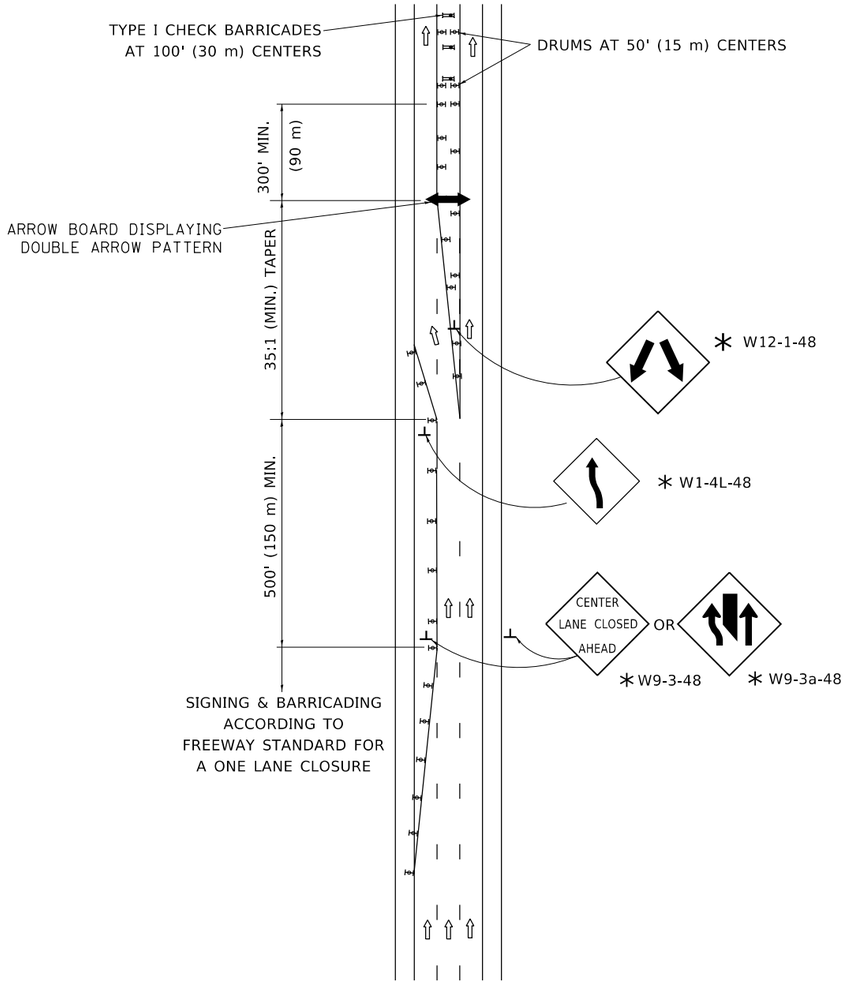
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD
INFORMATION SIGN

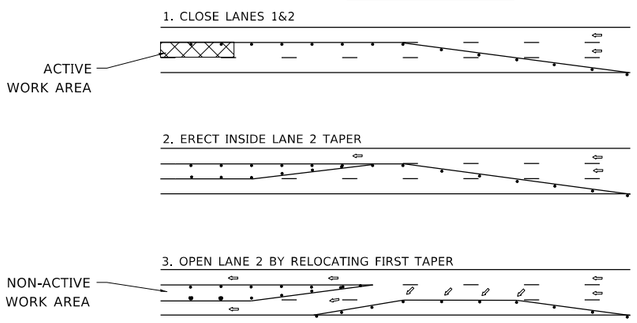
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	90
	TC-22	CONTRACT NO.	60V40	
	ILLINOIS FED. AID PROJECT			

CENTER LANE CLOSURE



INSTALLATION SEQUENCE



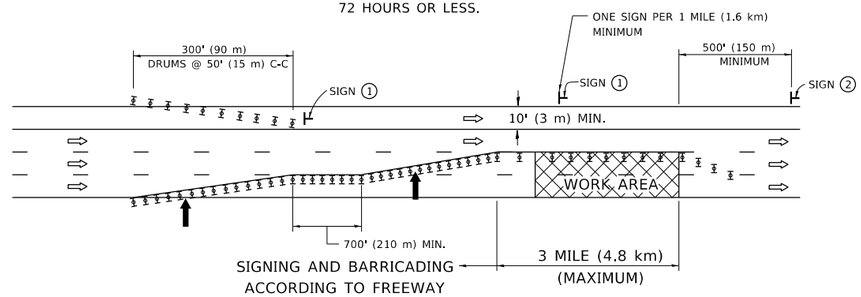
4. REMOVE CLOSURE IN REVERSE ORDER

NOTES:

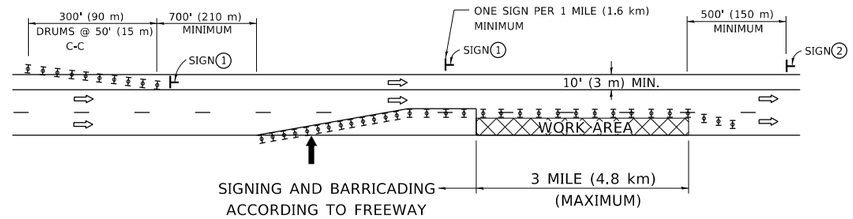
1. DRUMS WITH STEADY BURN LIGHTS SHALL BE USED AT 50' (15 m) CENTERS ON ALL TAPERS AND TANGENTS IN ADVANCE OF WORK AREA.
2. CLOSURE SHALL BE USED ONLY FOR OPERATIONS LASTING 72 HOURS OR LESS.
3. CENTER LANE CLOSURE CONFIGURATION IS NOT TO BE USED WITH WORKERS PRESENT.

SHOULDER LANE

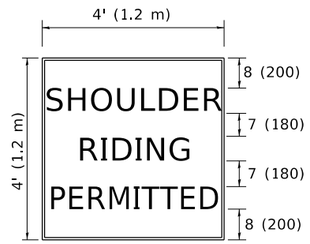
NOTE:
CLOSURE SHALL BE USED ONLY FOR OPERATIONS LASTING 72 HOURS OR LESS.



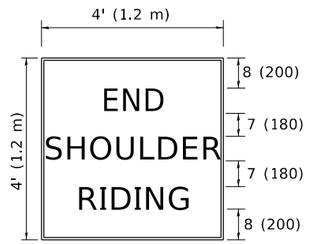
SIGNING AND BARRICADING ACCORDING TO FREEWAY STANDARD FOR A TWO LANE CLOSURE



SIGNING AND BARRICADING ACCORDING TO FREEWAY STANDARD FOR A ONE LANE CLOSURE



SIGN (1)



SIGN (2)

6 (150) SERIES "C" LEGEND
BLACK LEGEND
WHITE REFLECT. BACKGROUND
1 (25) BORDER

SYMBOLS

- DIRECTION OF TRAFFIC
- ARROWBOARD
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT *
- TYPE II BARRICADE, OR DRUM WITH MONO-DIRECTIONAL STEADY BURN LIGHT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

* ALL SIGNS SHALL BE MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).

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	DRAWN -	REVISED -	S.P.B. 01-07
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	S.P.B. 12-09
PLOT DATE = 12/13/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY
CENTER LANE CLOSURE SHOULDER LANE

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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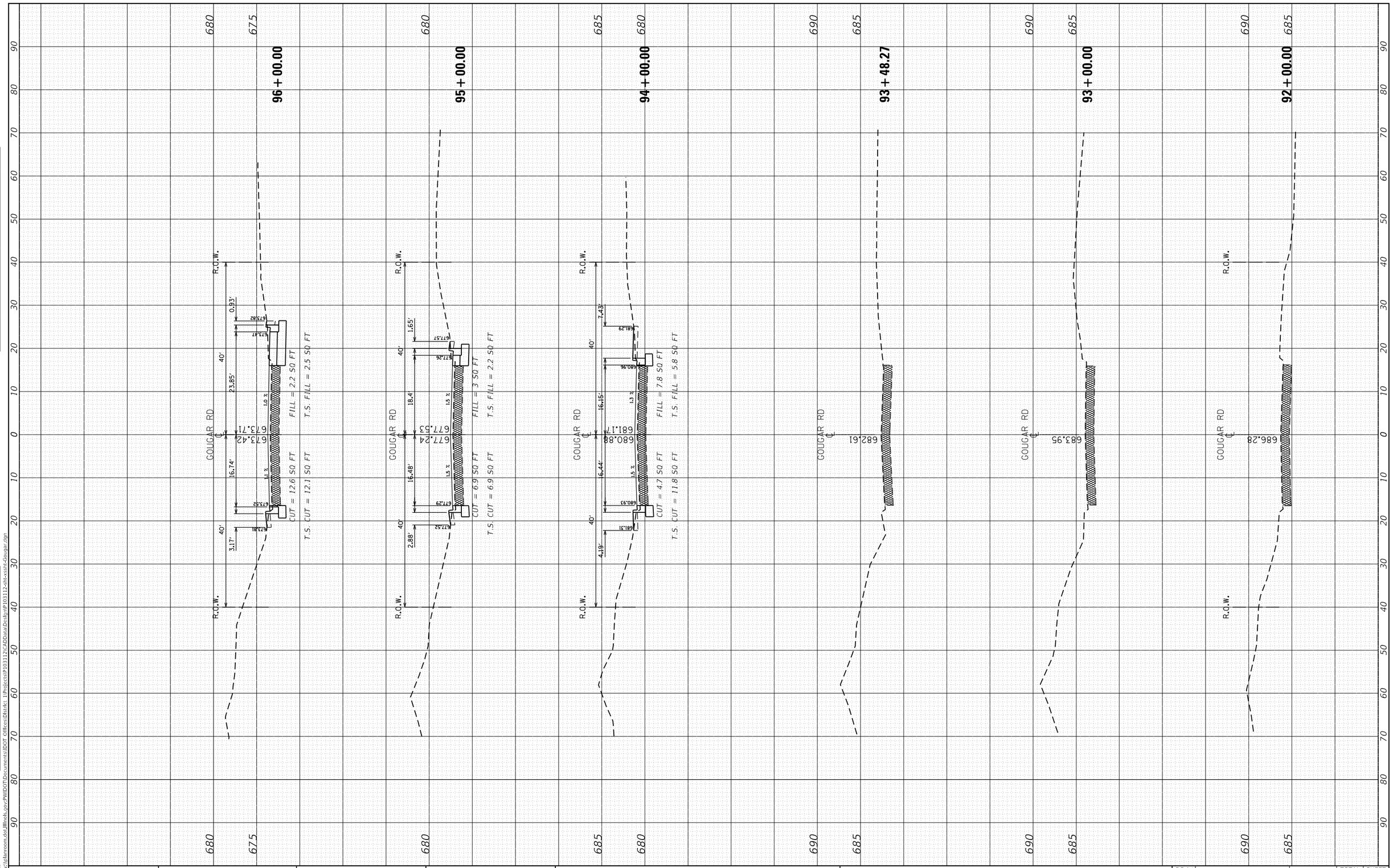
	TC-25	CONTRACT NO.	60V40	
		ILLINOIS	FED. AID PROJECT	



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

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

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USER NAME = ledezmarm	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 12/13/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
U.S. ROUTE 6 (MAPLE RD.) AT GOUGAR RD.

SCALE: | SHEET OF SHEETS | STA. 92+00.00 | TO STA. 96+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	92
		CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			

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

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

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101 + 00.00

100 + 00.00

99 + 00.00

98 + 00.00

97 + 00.00

GOUGAR RD

WETLAND SITE 2

PROP. R.O.W.

R.O.W.

PROP. T.E.

639.68

653.79 653.50 653.32 653.24 653.03 652.47 650.47

661.31 661.01

662.74 662.45 662.44 662.19 662.10 661.71 663.03

666.37 666.07 666.61 666.19 667.38 669.41

669.78 669.81 670.08 670.55 670.37

FILL = 63.3 SQ FT
T.S. FILL = 13.2 SQ FT
CUT = 4.2 SQ FT
T.S. CUT = 45.3 SQ FT

FILL = 0 SQ FT
T.S. FILL = 0 SQ FT
CUT = 0 SQ FT
T.S. CUT = 0 SQ FT

FILL = 1.4 SQ FT
T.S. FILL = 8.6 SQ FT
CUT = 39.8 SQ FT
T.S. CUT = 44.6 SQ FT

FILL = 3.2 SQ FT
T.S. FILL = 20.2 SQ FT
CUT = 67.6 SQ FT
T.S. CUT = 60.7 SQ FT

FILL = 2.5 SQ FT
T.S. FILL = 3.4 SQ FT
CUT = 23.1 SQ FT
T.S. CUT = 21.6 SQ FT

USER NAME = ledezmarm	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 12/13/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
U.S. ROUTE 6 (MAPLE RD.) AT GOUGAR RD.

SCALE: | SHEET OF SHEETS | STA. 97+00.00 | TO STA. 101+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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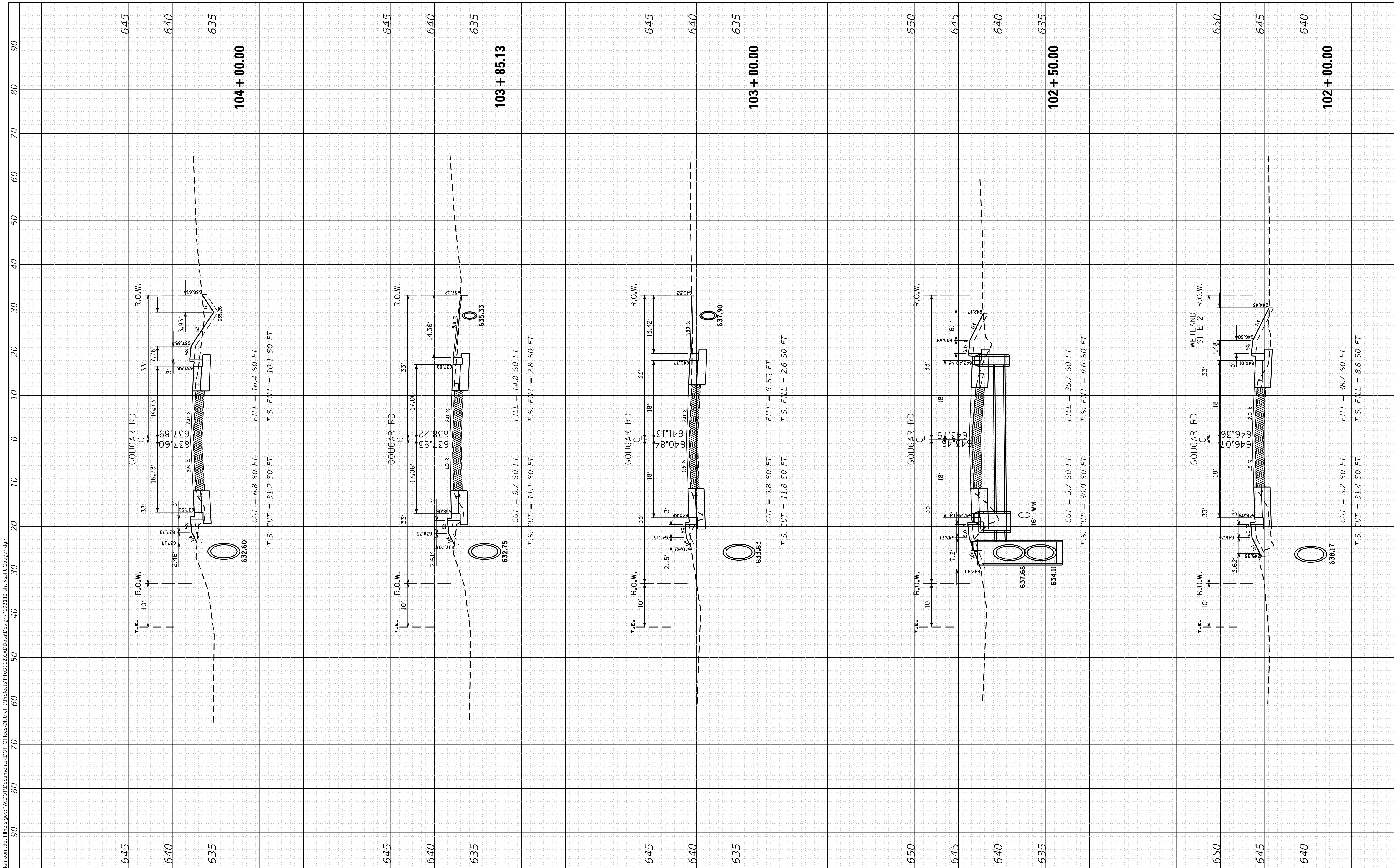
		CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			



USER NAME = ledezmarm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS U.S. ROUTE 6 (MAPLE RD.) AT GOUGAR RD.
	DRAWN -	REVISED -		
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -		
PLOT DATE = 12/13/2019	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. 102+00.00 TO STA. 104+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	94
CONTRACT NO. 60V40				
ILLINOIS FED. AID PROJECT				

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

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

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108+00.00

107+00.00

106+00.00

105+00.00

104+50.00

GOUGAR RD ℄

636.42

635.38

634.58

634.87

635.79

635.49

636.56

636.84

R.O.W.

T.E.

WETLAND SITE 1

WETLAND SITE 3

WM

16"

6.9 SQ FT

40 SQ FT

44.7 SQ FT

17.2 SQ FT

146 SQ FT

38.2 SQ FT

8.4 SQ FT

40 SQ FT

11.9 SQ FT

7.4 SQ FT

8 SQ FT

10.4 SQ FT

0 SQ FT

0 SQ FT

USER NAME = ledezmarm	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 12/13/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
U.S. ROUTE 6 (MAPLE RD.) AT GOUGAR RD.

SCALE: | SHEET OF SHEETS | STA. 104+50.00 TO STA. 108+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	95
		CONTRACT NO. 60V40		
	ILLINOIS	FED. AID PROJECT		

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NOTE BOOK	SURVEYED		
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	AREAS		
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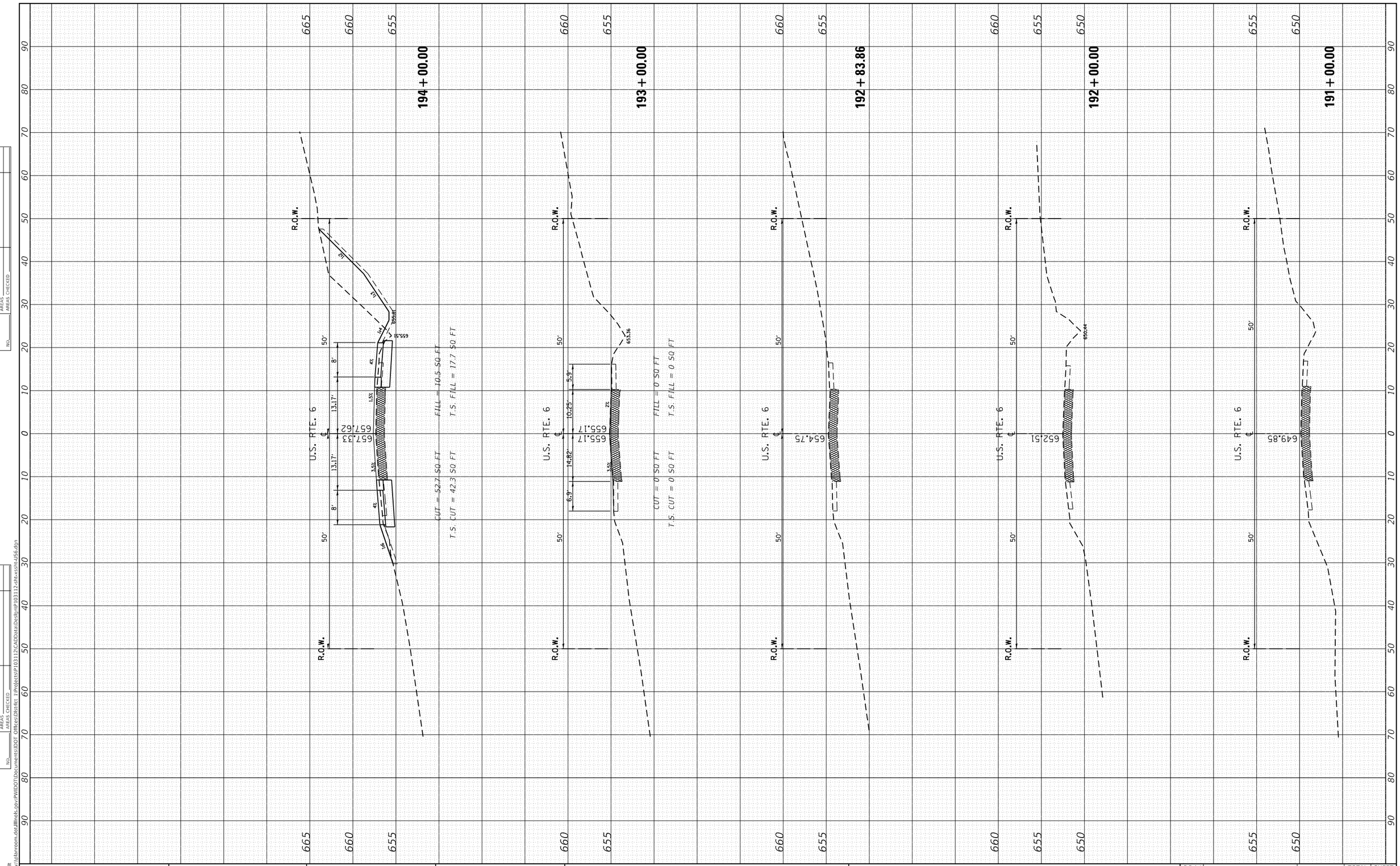

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

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USER NAME = ledezmarm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/13/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
U.S. ROUTE 6 (MAPLE RD.) AT GOUGAR RD.

SCALE: | SHEET OF SHEETS | STA. 191+00.00 | TO STA. 194+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	96
		CONTRACT NO. 60V40		
	ILLINOIS	FED. AID PROJECT		

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

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

MODEL: Default
FILE NAME: pw:\\plannoom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\P103112\CADData\Design\P103112-sht-xssln-US6.dgn

198 + 00.00

R.O.W. — 50' — R.O.W.

U.S. RTE. 6 ℄ — 8' — 18' — 18' — 8'

12 — 4% — 4% — 2% — 2.65% — 3% — 16

661.62 — 661.34 — 660.24

CUT = 57.5 SQ FT — FILL = 23.4 SQ FT

T.S. CUT = 39.5 SQ FT — T.S. FILL = 17.5 SQ FT

197 + 36.90

R.O.W. — 50' — R.O.W.

DRIVEWAY — 10.8% — 1.5%

U.S. RTE. 6 ℄ — 8' — 18' — 18' — 8'

4% — 4% — 1.5% — 3% — 16

661.38 — 661.09

CUT = 43.2 SQ FT — FILL = 12 SQ FT

T.S. CUT = 13.4 SQ FT — T.S. FILL = 2.8 SQ FT

197 + 00.00

R.O.W. — 50' — R.O.W.

12 — 4% — 4% — 2% — 3% — 16

659.99 — 659.95

U.S. RTE. 6 ℄ — 8' — 18' — 18' — 8'

661.25 — 660.95

CUT = 42.8 SQ FT — FILL = 28.7 SQ FT

T.S. CUT = 49.1 SQ FT — T.S. FILL = 16.6 SQ FT

196 + 00.00

R.O.W. — 50' — R.O.W.

12 — 4% — 4% — 2% — 3% — 16

658.87 — 658.84

U.S. RTE. 6 ℄ — 17.17' — 17.17' — 8'

660.49 — 660.19

CUT = 27.5 SQ FT — FILL = 37.1 SQ FT

T.S. CUT = 47.8 SQ FT — T.S. FILL = 16.9 SQ FT

195 + 00.00

R.O.W. — 50' — R.O.W.

12 — 4% — 4% — 2% — 2.65% — 16

657.35 — 657.29

U.S. RTE. 6 ℄ — 15.17' — 15.17' — 8'

659.32 — 659.03

CUT = 42.2 SQ FT — FILL = 33.2 SQ FT

T.S. CUT = 50.5 SQ FT — T.S. FILL = 19.5 SQ FT

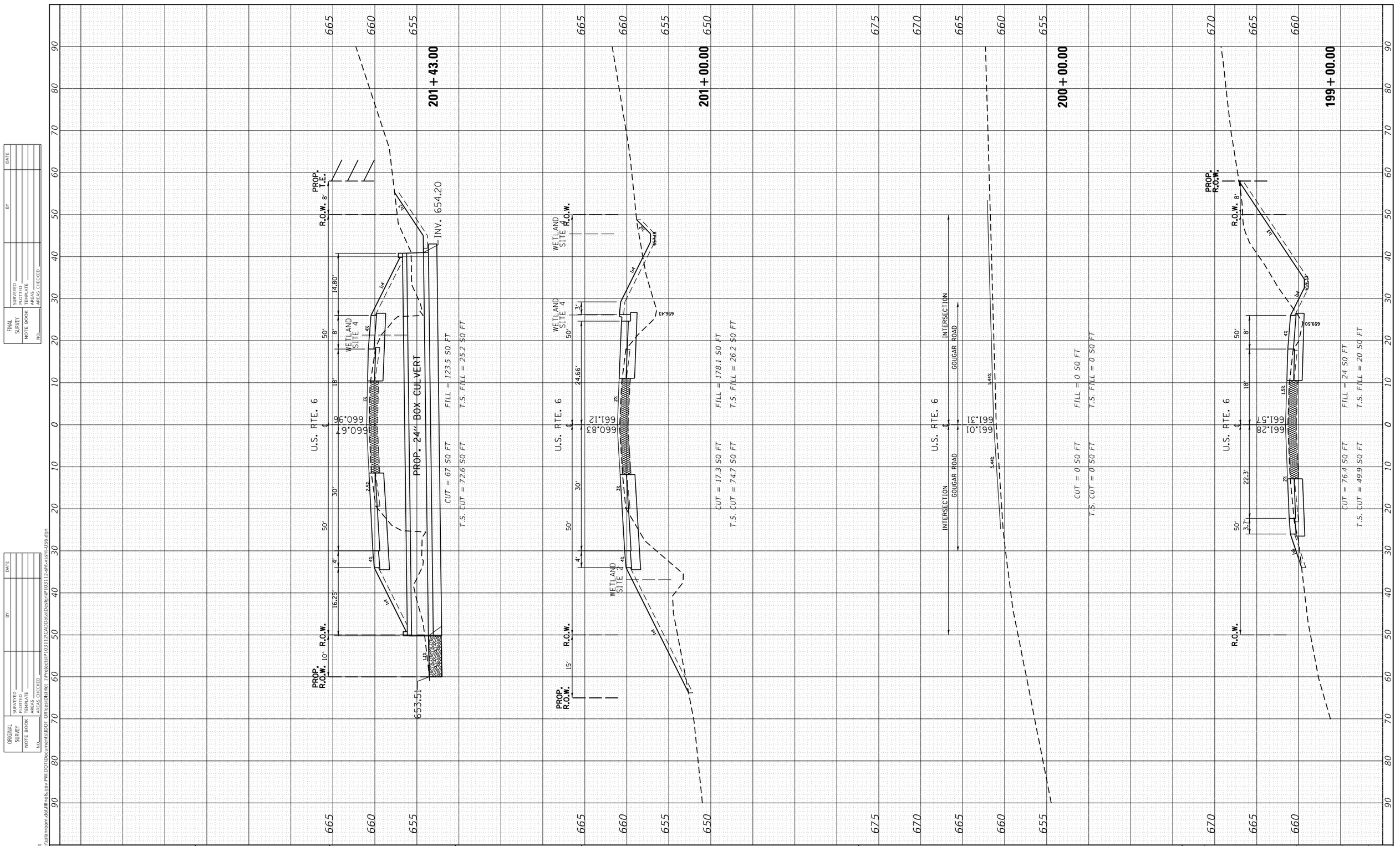
USER NAME = ledezmarm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/13/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
U.S. ROUTE 6 (MAPLE RD.) AT GOUGAR RD.

SCALE: | SHEET OF SHEETS | STA. 195+00.00 | TO STA. 198+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	97
		CONTRACT NO. 60V40		
	ILLINOIS	FED. AID PROJECT		



USER NAME = ledezmarm	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 12/13/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
U.S. ROUTE 6 (MAPLE RD.) AT GOUGAR RD.

SCALE: | SHEET OF SHEETS | STA. 199+00.00 TO STA. 201+43.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	98
		CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			

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

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

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

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

MODEL: Default
FILE NAME: pw:\\ahnroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\P103112\CADData\Desdmp\P103112-sht-xsht-456.dgn

206+00.00

PROP. T.E.
R.O.W. 10'
U.S. RTE. 6
659.65
659.94
656.70
656.11
2.5'
50'
8'
16.9'
16.9'
4%
4%
1%
1.5%
R.O.W.

CUT = 12.7 SQ FT FILL = 78.4 SQ FT
T.S. CUT = 54.5 SQ FT T.S. FILL = 18.8 SQ FT

205+29.05

PROP. T.E.
R.O.W. 10'
U.S. RTE. 6
659.98
658.97
658.67
658.29
50'
6'
18.7'
4%
4%
1.5%
1.5%
3%
R.O.W.

CUT = 166.6 SQ FT FILL = 10.7 SQ FT
T.S. CUT = 73.5 SQ FT T.S. FILL = 28.2 SQ FT

205+00.00

U.S. RTE. 6
660.10
660.39
659.97
659.44
658.97
658.52
50'
8'
18'
18'
4%
4%
2.5%
1.5%
1:3
1:3
R.O.W.

CUT = 153.6 SQ FT FILL = 26.6 SQ FT
T.S. CUT = 70.2 SQ FT T.S. FILL = 13.2 SQ FT

204+00.00

10'
U.S. RTE. 6
660.31
660.61
659.36
659.14
658.97
658.88
50'
8'
18'
18'
4%
4%
3%
1.5%
1:3
1:3
R.O.W.

CUT = 30.2 SQ FT FILL = 23.2 SQ FT
T.S. CUT = 40.8 SQ FT T.S. FILL = 10.4 SQ FT

203+00.00

R.O.W.
U.S. RTE. 6
660.49
660.78
659.24
658.97
658.82
50'
8'
18'
21.86'
4%
4%
3.5%
1.5%
1:3
1:3
R.O.W.

CUT = 23.1 SQ FT FILL = 99.3 SQ FT
T.S. CUT = 64.7 SQ FT T.S. FILL = 21.3 SQ FT

202+00.00

R.O.W.
U.S. RTE. 6
660.69
660.98
659.08
657.59
50'
8'
18'
28.5'
5.41'
4%
3.5%
1.5%
1:4
PROP. R.O.W. 10' R.O.W.

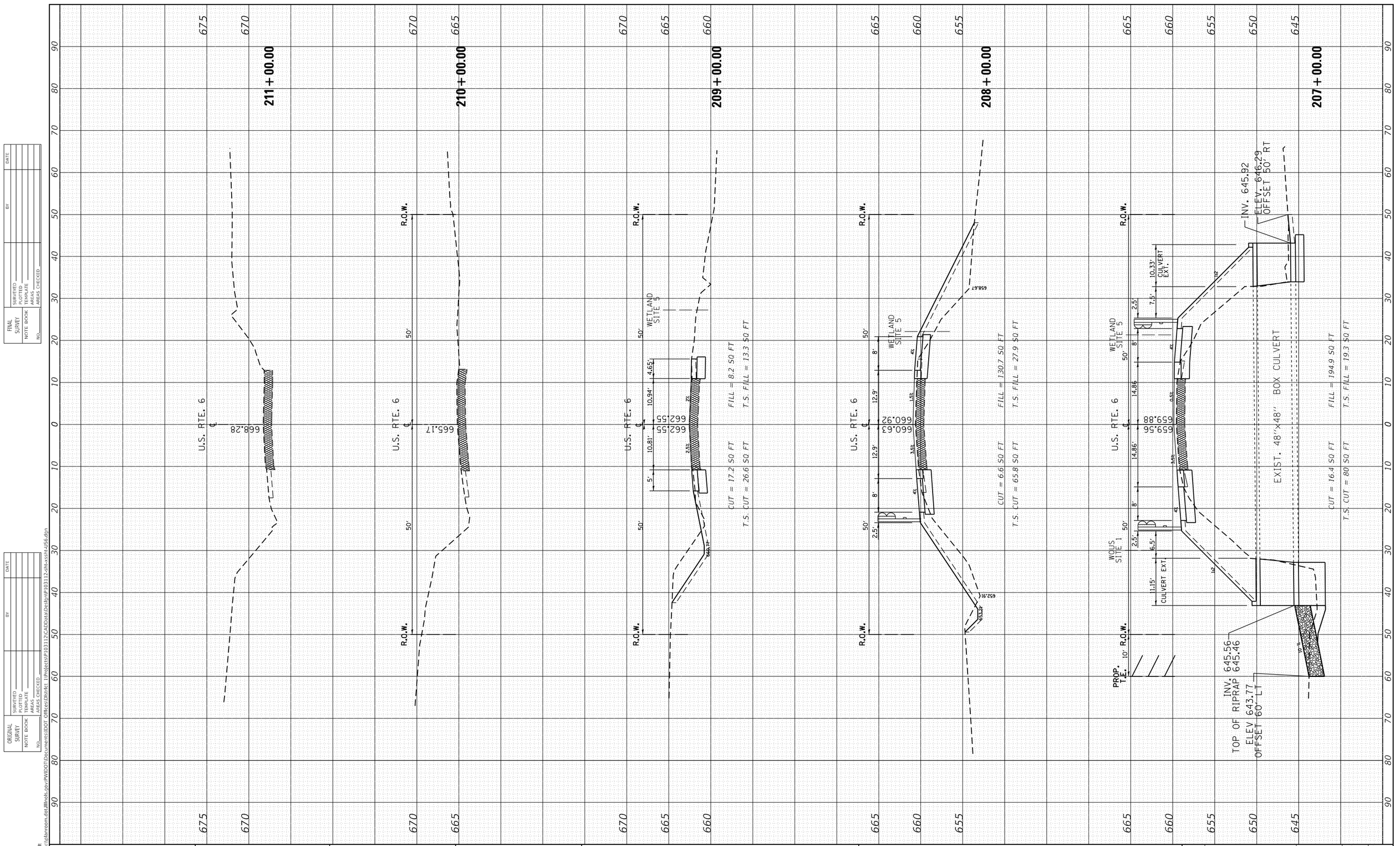
USER NAME = ledezmarm	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 12/13/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
U.S. ROUTE 6 (MAPLE RD.) AT GOUGAR RD.

SCALE: | SHEET OF SHEETS | STA. 202+00.00 | TO STA. 206+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	99
		CONTRACT NO. 60V40		
	ILLINOIS FED. AID PROJECT			



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

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

MODEL: Default
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USER NAME = ledezmarm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/13/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
U.S. ROUTE 6 (MAPLE RD.) AT GOUGAR RD.

SCALE: | SHEET OF SHEETS | STA. 207+00.00 | TO STA. 211+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
297	33N-2(12)	WILL	100	100
		CONTRACT NO. 60V40		
		ILLINOIS	FED. AID PROJECT	