F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	1
	ILLINOIS	CONTRACT NO.		

FOR INDEX OF SHEETS, SEE SHEET NO.

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

FUNCTIONAL CLASSIFICATION

THEODORE STREET - MAJOR COLLECTOR
WESMERE PARKWAY - LOCAL
RIVER ROAD - MAJOR COLLECTOR

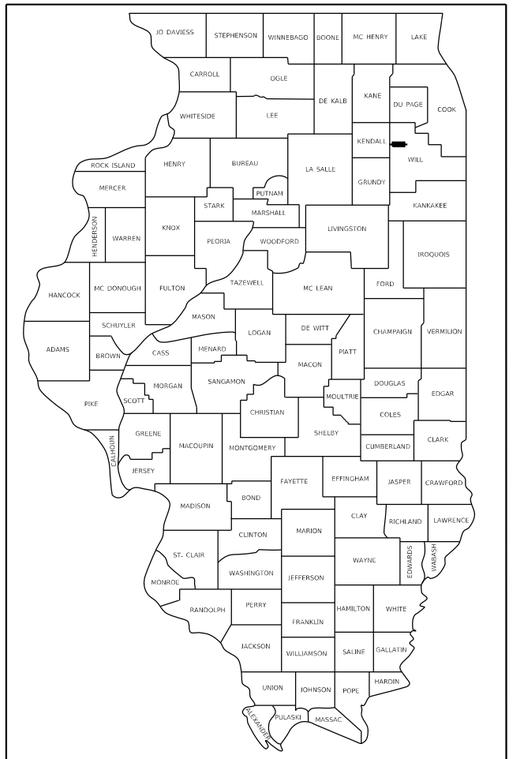
TRAFFIC DATA:

ADT:
THEODORE STREET = 18,220 (2019)
26,700 (2050)
WESMERE PARKWAY = 2,580 (2019)
2,580 (2050)
RIVER ROAD = 6,500 (2019)
14,000 (2050)

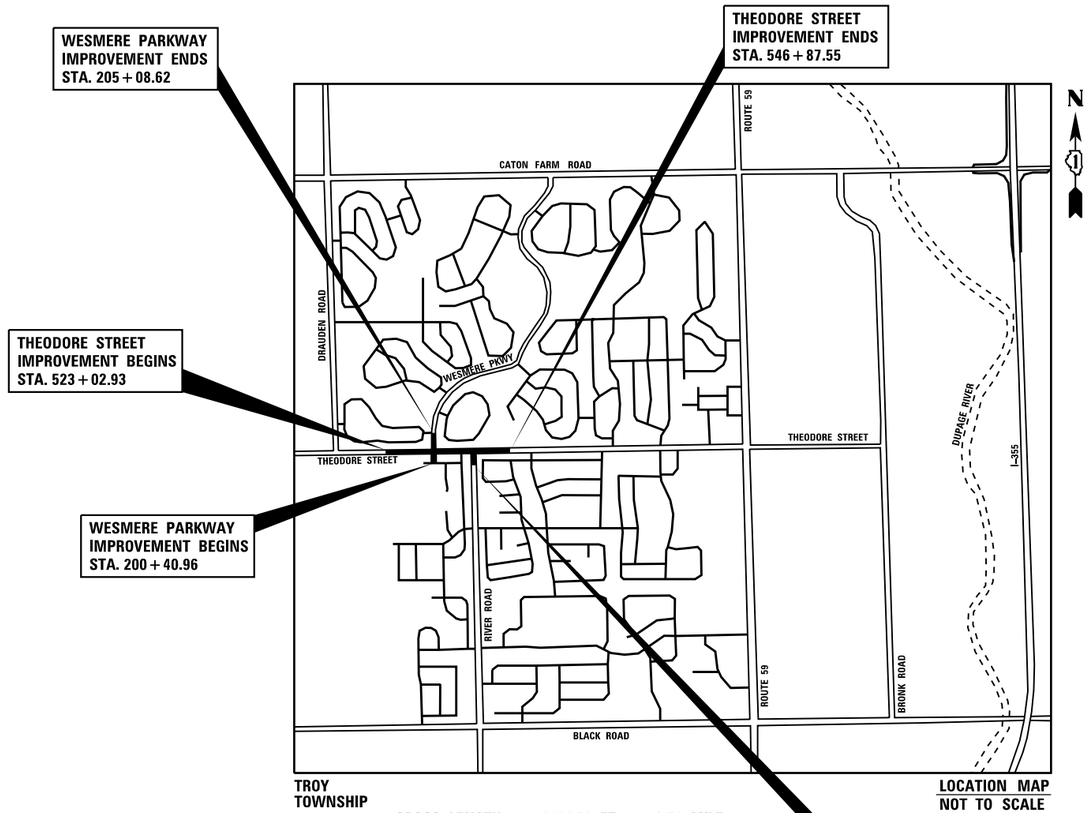
POSTED SPEED:
THEODORE STREET = 40 MPH
WESMERE PARKWAY = 30 MPH
RIVER ROAD = 45 MPH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED FEDERAL AID HIGHWAY

THEODORE STREET (FAU 400) - WIDEN AND RESURFACE
WEST OF WESMERE PKWY. TO EAST OF RIVER RD.
SECTION NO. 18-00515-02-WR
CITY OF JOLIET
WILL COUNTY



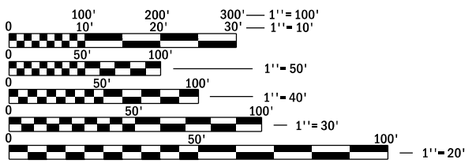
LOCATION OF SECTION INDICATED THUS: -



TROY TOWNSHIP

LOCATION MAP
NOT TO SCALE

GROSS LENGTH = 2914.02 FT. = 0.56 MILE
NET LENGTH = 2914.02 FT. = 0.56 MILE



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

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

CONTRACT NO.

CITY OF JOLIET

APPROVED 12/11/23

DIRECTOR OF PUBLIC WORKS & ENGINEERING JOLIET, IL

PASSED _____

DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW _____

REGIONAL ENGINEER

V3
MICHAEL J. RECHTORIK
062-058827

DATE: 12-07-2023
SIGNATURE AND SEAL APPLY TO SHEETS: 1-118

MICHAEL J. RECHTORIK 062-058827 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

EXPIRATION DATE: 11-30-2025

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

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IDOT HIGHWAY STANDARDS

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424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-05	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CORNER FOR SIDEWALKS
602001-02	CATCH BASIN TYPE, A
602301-04	INLET, TYPE A
602401-07	PRECAST MANHOLE, TYPE A 4' (1.22M) DIAMETER
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS, TYPE 1
604051-04	FRAME AND GRATE, TYPE 11
606001-08	CONCRETE CURB TYPE B & COMBINATION CONCRETE CURB & GUTTER
701006-05	OFF-RD OPERATIONS, 2L,2W, 15'(4.5m) TO 24"(600mm) FROM PAVEMENT EDGE
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL L.T.L
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
873001-02	TRAFFIC SIGNAL GROUNDING AND BONDING
876001-04	PEDESTRIAN PUSH BUTTON POST
877011-10	STEEL COMB. MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS

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TC-26	DRIVEWAY ENTRANCE SIGNING

CITY OF JOLIET STANDARDS

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PVT-01	DRIVEWAY PAVEMENT DETAIL
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SAN-01	SANITARY MANHOLE DETAIL
WTR-02	WATER VALVE BOX

MISCELLANEOUS DETAILS

FIRE HYDRANT TO BE MOVED
SILT FENCE PLAN
INLET PROTECTION - IMPERVIOUS AREAS, CURB PROTECTION
UNIT PAVING - BRICK ROADWAY
CONCRETE WASHOUT AREA

UTILITY CONTACT INFO

ELECTRIC
COMMONWEALTH EDISON
RICK OSTER
2 LINCOLN CENTER
OAKBROOK TERRACE, IL 60181
(779) 231 0625

CABLE TV
COMCAST CABLE COMMUNICATIONS
MARTHA GIERAS
(224) 229-5862

GAS
NICOR GAS
SAKIBUL FORAH
1844 FERRY RD.
NAPERVILLE, IL. 60563
(630) 388 2903

TELEPHONE
AT&T
STEVE PESOLA
1000 COMMERCE DRIVE
OAK PARK, IL 60523
(815) 412 5255

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CITY OF JOLIET
PAUL BOMBA
150 W. JEFFERSON STREET
JOLIET, IL 60432
(815) 693 9848

COMMUNICATIONS
MCI / VERIZON / ASG
JASON JARVIS
(219) 314 6926

PIPELINE
NATURAL GAS PIPELINE CO.
MARK CAVAZOS
1001 LOUISIANA STREET, SUITE 1202 B
HOUSTON, TX 77002
(713) 420 4363

WATER AND SEWER
VILLAGE OF SHOREWOOD
NORIEL NORIEGA
25914 W. MOUND ROAD
SHOREWOOD, IL 60404
(815) 553 2321

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PLOT SCALE = 2'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE
JOLIET ILLINOIS

INDEX OF SHEETS, HIGHWAY STANDARDS, AND UTILITY CONTACT INFORMATION
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	2
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

GENERAL NOTES

1. ALL EXISTING TOPOGRAPHY, UNDERGROUND UTILITIES, STRUCTURES AND ASSOCIATED FACILITIES SHOWN ON THESE DRAWINGS HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS. THEREFORE, THEIR LOCATIONS AND ELEVATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER FACILITIES, THE EXISTENCE OF WHICH ARE NOT PRESENTLY KNOWN. THE EXACT LOCATIONS AND ELEVATIONS ARE TO BE VERIFIED BY THE CONTRACTOR.

2. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AND CITY OF JOLIET FOR FIELD LOCATIONS OF BURIED UTILITIES 48 HOURS IN ADVANCE OF WORK.

3. THE CONTRACTOR SHALL TAKE CARE IN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS TO REMAIN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

4. PORTABLE/CHANGEABLE ELECTRONIC MESSAGE BOARDS SHALL BE USED IN ADVANCE OF THE PROJECT ACCORDING TO IDOT STANDARDS AND SHALL BE IN PLACE A MINIMUM OF 72 HOURS PRIOR TO COMMENCING THE WORK AND REMAIN THROUGHOUT THE ROADWAY CONSTRUCTION WORK.

5. ALL CONSTRUCTION MATERIALS WITHIN THE CITY ROW MUST BE IDOT CERTIFIED. DOCUMENTATION OF THE MATERIAL CERTIFICATION SHALL BE SUBMITTED PRIOR TO CITY APPROVAL. ALL CONSTRUCTION MATERIAL NEEDING INSPECTION SHALL BE DONE ACCORDING TO THE LATEST IDOT PROJECT AND PROCEDURES GUIDE.

6. A PROOF ROLL OF THE SUBGRADE IS REQUIRED PRIOR TO PLACING THE AGGREGATE SUB-BASE AND MUST BE OBSERVED BY A CERTIFIED TESTING COMPANY AND THE CITY.

7. THE CONTRACTOR SHALL PROVIDE THE CITY A LIST OF MATERIALS USED AND IDENTIFY THEIR ASSOCIATED IDOT CERTIFICATION, SHALL PROVIDE THE CITY WITH A COPY OF ALL MATERIAL TESTING COMPANY RESULTS, SHALL SIGN AND PROVIDE THE CITY ON A WEEKLY BASIS WEEKLY FIELD REPORTS UTILIZING THE APPROPRIATE IDOT FORM, SHALL SUBMIT TO THE CITY A CERTIFICATION LETTER THAT CERTIFIES COMPLIANCE WITH THE PLANS AND SPECIFICATIONS.

8. RECORD DRAWINGS SHALL BE PREPARED IN ACCORDANCE WITH THE CITY REQUIREMENTS AND SHALL BE SUBMITTED IN ELECTRONIC FORMAT.

9. ALL CONSTRUCTION TO BE ACCORDING TO IDOT DESIGN AND STANDARD SPECIFICATIONS, MUST ADHERE TO THE CITY OF JOLIET PUBLIC WORKS DEPARTMENT, AND SHALL FOLLOW THE LATEST WILL COUNTY STORM WATER MANAGEMENT ORDINANCE AND WILL COUNTY WATER RESOURCE ORDINANCE AT ALL TIMES.

10. ALL DISTURBED GROUND WITHIN THE CITY RIGHT-OF-WAY SHALL BE RE-SODDED AND INSTALLED TO THE SATISFACTION OF CITY OF JOLIET.

11. THE HOT-MIX ASPHALT SURFACE OF ALL PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SAW CUT THE HOT-MIX ASPHALT SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE HOT-MIX ASPHALT SURFACE.

12. EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

13. THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HOT-MIX ASPHALT LIFTS.

14. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

15. SEEDING AND/OR SOD SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. SEEDING LOCATIONS, OTHER THEN THOSE DEPICTED ON THE EROSION CONTROL PLANS, WILL BE DETERMINED BY THE ENGINEER.

16. ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.

17. ALL ELEVATIONS REFER TO THE NAVD 88 DATUM.

18. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPERATLY, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

19. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE IDOT HIGHWAY STANDARD AS INDICATED BY THE VERSION SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

20. ALL EXISTING GRANULAR MATERIAL AND HOT-MIX ASPHALT MATERIALS TO BE REMOVED AND NOT PAID AS A SPECIFIC ITEM SHALL BE CONSIDERED EARTH EXCAVATION AND WILL BE PAID FOR AT THE UNIT PRICE FOR EARTH EXCAVATION.

21. THE WORK REQUIRED TO CONNECT A PROPOSED STORM SEWER PIPE TO AN EXISTING DRAINAGE STRUCTURE WILL BE PAID FOR SEPARATELY WITH THE "STORM SEWER CONNECTION" PAY ITEM. THE WORK REQUIRED TO CONNECT AN EXISTING STORM SEWER PIPE TO A PROPOSED DRAINAGE STRUCTURE WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE DRAINAGE STRUCTURE. THE WORK REQUIRED TO CONNECT A PROPOSED STORM SEWER PIPE TO AN EXISTING STORM SEWER PIPE WILL BE PAID FOR SEPARATELY WITH THE "CONCRETE COLLAR" PAY ITEM.

22. ALL CONCRETE CURB AND GUTTER SHALL INCLUDE CONSTRUCTION JOINTS WITH A MAXIMUM SPACING OF 75 FEET.

23. ALL SAWCUTS (FULL DEPTH) SHALL BE CONSIDERED INCLUDED IN THE COST OF REMOVAL ITEMS.

24. PAY ITEMS FOR NON-SPECIAL WASTE DISPOSAL HAS BEEN INCLUDED IN THE PLANS AS CONTAMINATED SOILS HAVE BEEN FOUND. SEE PLAN AND PROFILE SHEETS FOR EXACT LIMITS OF THE WASTE.

25. MEMBERS OF J.U.L.I.E KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

    1. COMED, AN EXELON COMPANY
    2. NICOR GAS
    3. AT&T
    4. COMCAST CABLE
    5. CITY OF JOLIET
    6. VILLAGE OF SHOREWOOD

26. FINAL ACCEPTANCE OF THE PROJECT WILL BE CONTINGENT ON RECORD DRAWING APPROVAL BY THE ENGINEER.

27. ANY EXISTING SIDEWALK ENCOUNTERED BEYOND THE PROPOSED OUTSIDE EDGE OF SIDEWALK SHALL REMAIN IN PLACE UNLESS SPECIFIED IN THE PLANS TO BE REMOVED. ANY DAMAGE DONE TO THESE EXISTING ITEMS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

28. NGPL OWNS A OPERATES HIGH PRESSURE NATURAL GAS PIPELINES VOLO LATERALS 123 WITHIN THE PROJECT LIMITS. REFER TO THE SPECIAL PROVISIONS FOR WORK REQUIREMENTS WITHIN THE AREA.

29. THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFE SHALL BE CS 1 OR RR 1".

30. PATCH WIDTHS ARE BASED ON ANTICIPATED STORM SEWER TRENCH WIDTH OR EXCAVATION FOR STRUCTURES. ADDITIONAL QUANTITIES HAVE BEEN PROVIDED FOR LOCATIONS TO BE DETERMINED BY THE ENGINEER.

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7325 Janes Avenue
Woodridge, IL 60517
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PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

GENERAL NOTES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	3
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	100% REBUILD ILLINOIS TOTAL QUANTITY	100% CITY NON-PARTICIPATING RBI TOTAL QUANTITY
		20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	283	
		20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	69	
		20101200	TREE ROOT PRUNING	EACH	23	
		20101700	SUPPLEMENTAL WATERING	UNIT	7	
		20200100	EARTH EXCAVATION	CU YD	2,875	
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	388	
		20800150	TRENCH BACKFILL	CU YD	163	
		21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	2,895	
		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	3,488	
		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	8	
		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	8	
		25200110	SODDING, SALT TOLERANT	SQ YD	3,488	
		28000400	PERIMETER EROSION BARRIER	FOOT	2,040	
		28000510	INLET FILTERS	EACH	51	
	*	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	100	
	*	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	2,895	
	*	31102000	SUBBASE GRANULAR MATERIAL, TYPE C	CU YD	8	
		31102100	SUBBASE GRANULAR MATERIAL, TYPE C 4"	SQ YD	1,258	
		31102500	SUBBASE GRANULAR MATERIAL, TYPE C 8"	SQ YD	79	

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THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

SUMMARY QUANTITIES

SCALE: NONE | SHEET 1 OF 9 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	4
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	100% REBUILD ILLINOIS TOTAL QUANTITY	100% CITY NON-PARTICIPATING RBI TOTAL QUANTITY
		35300300	PORTLAND CEMENT CONCRETE BASE COURSE 8"	SQ YD	79	
		35400250	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING, 7.5"	SQ YD	715	
		40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	75	
		40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	6,553	
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	14,137	
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	86	
		40602978	HOT-MIX ASPHALT BINDER COURSE, IL- 9.5, N50	TON	2	
		40602985	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	TON	1,740	
		40603090	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	916	
		40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	2	
		40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	1,586	
		42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	69	
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	11,257	
		42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	66	
		42400800	DETECTABLE WARNINGS	SQ FT	248	
		44000100	PAVEMENT REMOVAL	SQ YD	660	
		44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SQ YD	2,343	
		44000162	HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4"	SQ YD	10,612	
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	104	

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THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

SUMMARY QUANTITIES

SCALE: NONE | SHEET 2 OF 9 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	5
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

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SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	100% REBUILD ILLINOIS TOTAL QUANTITY	100% CITY NON-PARTICIPATING RBI TOTAL QUANTITY
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	5,880	
		44000600	SIDEWALK REMOVAL	SQ FT	11,470	
		44201773	CLASS D PATCHES, TYPE I, 11 INCH	SQ YD	3	
		44201777	CLASS D PATCHES, TYPE II, 11 INCH	SQ YD	30	
		44201781	CLASS D PATCHES, TYPE III, 11 INCH	SQ YD	69	
		44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SQ YD	306	
		54248510	CONCRETE COLLAR	CU YD	1	
		550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	1,867	
		550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	136	
		550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	5	
		550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	18	
		550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	54	
		550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	95	
		550A2330	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	FOOT	53	
		550A2340	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	FOOT	6	
		550A2520	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FOOT	16	
		55100500	STORM SEWER REMOVAL 12"	FOOT	277	
		55100700	STORM SEWER REMOVAL 15"	FOOT	84	
		55100900	STORM SEWER REMOVAL 18"	FOOT	20	

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THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

SUMMARY QUANTITIES

SCALE: NONE | SHEET 3 OF 9 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	6
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: N:\2022\220160\Drawings\Mstn\CADD_Sheets\Project 1A\D1220160-sht-SSQ-01.dgn

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	100% REBUILD ILLINOIS TOTAL QUANTITY	100% CITY NON-PARTICIPATING RBI TOTAL QUANTITY
		56400100	FIRE HYDRANTS TO BE MOVED	EACH		5
		60202405	CATCH BASINS, TYPE A, 4'-DIAMETER	EACH	19	
		60220200	MANHOLES, TYPE A, 4'-DIAMETER	EACH	5	
		60238800	INLETS, TYPE A	EACH	19	
		60266600	VALVE BOXES TO BE ADJUSTED	EACH		2
		60403800	LIDS, TYPE 1, CLOSED LID	EACH	5	
		60404800	FRAMES AND GRATES, TYPE 11	EACH	29	
		60500060	REMOVING INLETS	EACH	17	
		60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	5,224	
		67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	
		67100100	MOBILIZATION	LSUM	1	
		70107025	CHANGEABLE MESSAGE SIGN	CAL DA	270	
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	8,586	
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2,862	
		72000100	SIGN PANEL - TYPE 1	SQ FT	79	
		72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	
		72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	53	
		72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	197	
		78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	165	

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PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

SUMMARY QUANTITIES

SCALE: NONE | SHEET 4 OF 9 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	7
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
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SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	100% REBUILD ILLINOIS TOTAL QUANTITY	100% CITY NON-PARTICIPATING RBI TOTAL QUANTITY
		78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	8,885	
		78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,005	
		78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,182	
		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	203	
		78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	4,835	
		81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	2,438	
		81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	131	
		81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	662	
	*	81400100	HANDHOLE	EACH	3	
		81400300	DOUBLE HANDHOLE	EACH	4	
		83007500	LIGHT POLE, ALUMINUM, 35 FT. M.H., 12 FT. MAST ARM	EACH	15	
		83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	104	
		83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	13	
	*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	
		87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO.14 1C	FOOT	1,420	
		87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 2C	FOOT	2,201	
		87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 3C	FOOT	2,752	
		87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 5C	FOOT	2,141	
		87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 7C	FOOT	2,377	

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THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

SUMMARY QUANTITIES

SCALE: NONE | SHEET 5 OF 9 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	8
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
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SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	100% REBUILD ILLINOIS TOTAL QUANTITY	100% CITY NON-PARTICIPATING RBI TOTAL QUANTITY
		87301805	ELECTRIC CABLE IN CONDUIT , SERVICE NO.6 2C	FOOT	21	
		87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO.6 1C	FOOT	3,054	
	*	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16FT	EACH	1	
	*	87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18FT	EACH	1	
		87702870	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT	EACH	1	
		87702880	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT	EACH	1	
		87702910	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	2	
		87702920	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	2	
		87702940	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1	
	*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	68	
	*	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	8	
	*	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10	
	*	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	68	
		88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	9	
		88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4	
		88030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2	
		88030080	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4	
		88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4	
		88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4	

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THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

SUMMARY QUANTITIES

SCALE: | SHEET 6 OF 9 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	9
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
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SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	100% REBUILD ILLINOIS TOTAL QUANTITY	100% CITY NON-PARTICIPATING RBI TOTAL QUANTITY
		88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	14	
	*	88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	17	
	*	88800100	PEDESTRIAN PUSH-BUTTON	EACH	14	
	*	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1	
	*	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	610	
	*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	
		89502380	REMOVE EXISTING HANDHOLE	EACH	1	
	*	89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	2	
		89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	7	
	*	89502400	REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE	EACH	1	
	*	X0323389	STORM SEWER CONNECTION	EACH	2	
	*	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO.20 3/C	FOOT	782	
	*	X0326899	SOLAR-POWERED FLASHING BEACON ASSEMBLY (COMPLETE)	EACH	1	
	*	X0327698	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	7	
	*	X1400081	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	2	
	*	X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1	
	*	X1400238	LUMINAIRE, LED, SPECIAL	EACH	17	
	*	X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	14	
	*	X1400388	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	7	

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THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

SUMMARY QUANTITIES

SCALE: | SHEET 7 OF 9 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	10
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	100% REBUILD ILLINOIS TOTAL QUANTITY	100% CITY NON-PARTICIPATING RBI TOTAL QUANTITY
	*	X1400424	ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW	FOOT	1,026	
	*	X1700112	BRICK PAVER REMOVAL	SQ FT	608	
	*	X4430200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	14,752	
	*	X5503101	PLUG EXISTING PIPE	CU YD	17	
	*	X5509900	ABANDON AND FILL EXISTING STORM SEWER	FOOT	210	
	*	X5610680	WATER MAIN PROTECTION	FOOT		100
	*	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	1	
	*	X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	LSUM	1	
	*	X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	19	
	*	X8400102	MAINTENANCE OF LIGHTING SYSTEM	EACH	1	
	*	X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	2	
	*	X8710029	FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE	FOOT	1,420	
	*	X8870300	EMERGENCY VEHICLE PRIORITY SYSTEM	EACH	2	
	*	Z0013798	CONSTRUCTION LAYOUT	LSUM	1	
	*	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52	
	*	Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	2	
	*	Z0062456	TEMPORARY PAVEMENT	SQ YD	100	
	*	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1	
	*		BRICK PAVERS WITH CONCRETE FOUNDATION AND EDGE	SQ FT	707	

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THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

SUMMARY QUANTITIES

SCALE: | SHEET 8 OF 9 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	11
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	100% REBUILD ILLINOIS TOTAL QUANTITY	100% CITY NON-PARTICIPATING RBI TOTAL QUANTITY
	*		LOW PROFILE RESTRICTED DEPTH FRAME AND GRATE	EACH	19	
	*		RESTRICTED DEPTH MANHOLE, 4'-DIAMETER	EACH	10	
	*		UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	SQ FT	2,718	
	*		LANDSCAPE MEDIAN RESTORATION	SQ FT	386	

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THEODORE STREET WIDEN AND RESURFACE

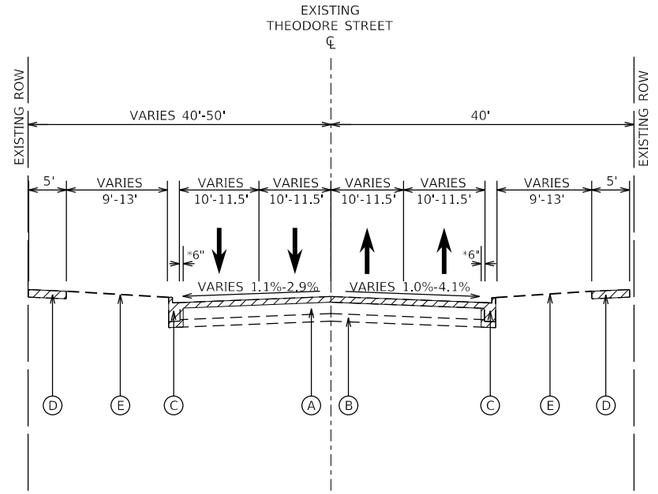
JOLIET ILLINOIS

SUMMARY QUANTITIES

SCALE: | SHEET 9 OF 9 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	12
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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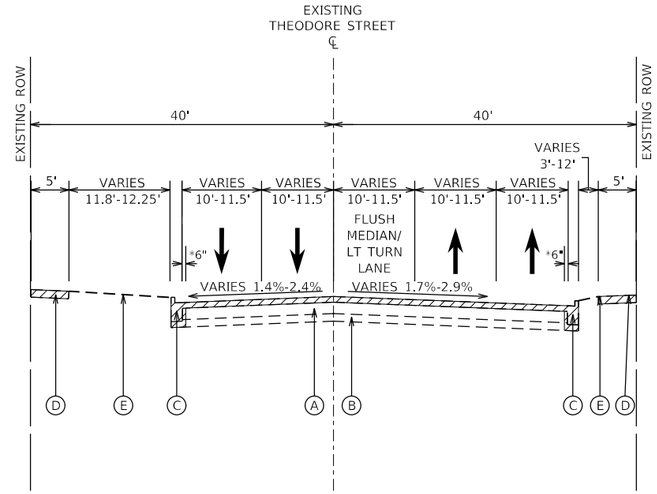


NORTH SIDEWALK REMOVAL
STA. 525+64.46 TO STA. 531+72.55
STA. 532+45.08 TO STA. 544+40.22

EXISTING TYPICAL SECTION
THEODORE STREET

STA 525+64.46 TO STA 536+41.92
STA 545+78.69 TO STA 547+07.20

SOUTH SIDEWALK REMOVAL
STA. 532+44.70 TO STA. 532+76.43
STA. 535+45.00 TO STA. 536+55.00
STA. 546+06.65 TO STA 546+16.65



NORTH SIDEWALK REMOVAL
STA. 532+45.17 TO STA. 547+07.20

EXISTING TYPICAL SECTION
THEODORE STREET

STA 536+41.92 TO STA 545+78.69

SOUTH SIDEWALK REMOVAL
STA. 539+18.90 TO STA. 539+40.00
STA. 539+93.89 TO STA. 540+19.11
STA. 541+80.60 TO STA. 541+90.61
STA. 543+29.25 TO STA. 543+34.25
STA. 543+45.25 TO STA 543+50.25
STA. 544+09.10 TO STA. 544+14.10
STA. 545+33.31 TO STA. 545+43.31

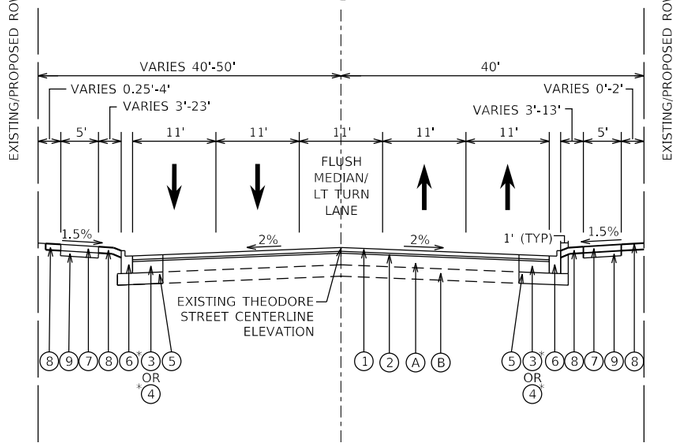
EXISTING LEGEND

- (A) HOT-MIX ASPHALT PAVEMENT
- (B) AGGREGATE SUBBASE
- (C) CONCRETE CURB & GUTTER
- (D) EXISTING SIDEWALK
- (E) EXISTING GROUND

REMOVAL ITEM

PROPOSED LEGEND

1. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 1.75"
2. POLYMERIZED HOT-MIX ASHPHALT BINDER COURSE, IL-9.5, N70, 1.5"
3. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 7.5"
4. PORTLAND CEMENT CONCRETE BASE COURSE WIDENING, 7.5"
5. AGGREGATE SUBGRADE IMPROVEMENT 12"
6. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
7. PORTLAND CEMENT CONCRETE SIDEWALK 5"
   (6" AT RESIDENTIAL DRIVEWAYS)
   (8" AT COMMERCIAL DRIVEWAYS)
8. SODDING, SALT TOLERANT
   TOPSOIL FURNISH AND PLACE, 4"
9. SUBBASE GRANULAR MATERIAL, TYPE C, 4"
10. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 3"
11. AGGREGATE BASE COURSE, TYPE B, 8"

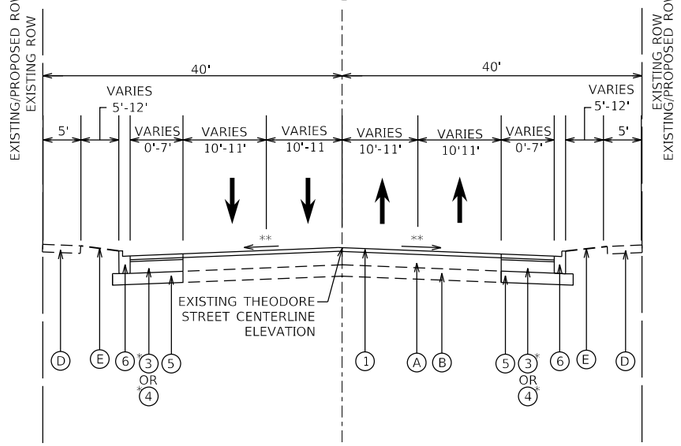


NORTH SIDEWALK REMOVAL
STA. 525+64.46 TO STA. 531+72.55
STA. 532+45.08 TO STA. 544+40.22

PROPOSED TYPICAL SECTION
THEODORE STREET

STA 525+64.46 TO STA 547+07.20

SOUTH SIDEWALK REMOVAL
STA. 532+44.70 TO STA. 532+76.43
STA. 535+45.00 TO STA. 536+55.00
STA. 539+18.90 TO STA. 539+40.00
STA. 539+93.89 TO STA. 540+19.11
STA. 541+80.60 TO STA. 541+90.61
STA. 543+29.25 TO STA. 543+34.25
STA. 543+45.25 TO STA 543+50.25
STA. 544+09.10 TO STA. 544+14.10
STA. 545+33.31 TO STA. 545+43.31
STA. 546+06.65 TO STA 546+16.65



** MATCH EXISTING CROSS SLOPE

PROPOSED TYPICAL SECTION
THEODORE STREET

STA. 523+02.93 TO STA. 525+64.46
STA. 544+25.22 TO STA. 547+07.20

HOT-MIX ASPHALT REQUIREMENTS

MIXTURE TYPE	VOIDS
THEODORE STREET ROAD WIDENING	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70 - 1.75"	4% @ 70 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70 - 1.50"	4% @ 70 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 - 7.5" (2 LIFTS)	4% @ 90 GYR
THEODORE STREET ROAD RESURFACING	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70 - 1.75"	4% @ 70 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70 - 1.5" & VARIES	4% @ 70 GYR
THEODORE STREET RESIDENTIAL DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50 - 1.5"	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, MIX "D", IL-9.5, N50 - 1.5"	4% @ 50 GYR
THEODORE STREET COMMERCIAL DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50 - 2"	4% @ 50 GYR
HOT-MIX ASPHALT BASE COURSE, 8" (2 LIFTS)	4% @ 50 GYR

NOTES

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA MIXTURE QUANTITIES IS 112 LBS/SQYD/IN.
2. FOR USE OF RECYCLED MATERIALS SEE IDOT DISTRICT SPECIAL PROVISION FOR "RECLAIMED ASPHALT PAVEMENT AND RECLAIMED ASPHALT SHINGLES".
3. HMA SURFACE REMOVAL IS 3.25" EXCEPT AT THE STATIONS SPECIFIED IN THE PLAN AND PROFILE SHEETS.
   SEE PROPOSED CROSS SECTIONS FOR PROPOSED ELEVATIONS

WIDENING SECTIONS

1. POLY. HMA BINDER COURSE, IL-4.75, N50, 0.75,SHALL BE USED WHEN WIDENING IS GREATER THAN 6'.
2. HMA BINDER COURSE, IL-19.0, N90, 7.5",SHALL BE USED WHEN WIDENING IS GREATER THAN 6'.
3. PCC BASE COURSE WIDENING, 7.5",SHALL BE USED WHEN WIDENING IS 6' OR LESS. PCC BASE COURSE CAN BE POURED MONOLITHICALLY WITH ADJACENT CURB AND GUTTER.

* SAWCUT 6" FROM EXISTING EDGE OF PAVEMENT FOR WIDENING SECTION

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THEODORE STREET WIDEN AND RESURFACE
JOLIET ILLINOIS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	13
		CONTRACT NO.		
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MODEL: Default
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Baseline	Station Quantities							
Station	Cut				Fill			
	Factor	Area	Volume	Adjusted	Factor	Area	Volume	Adjusted
525+70.00	1.00	48.09			1.00	0.00		
526+00.00	1.00	46.86	52.75	52.75	1.00	0.00	0.00	
526+50.00	1.00	46.81	86.73	86.73	1.00	0.00	0.00	
527+00.00	1.00	46.01	85.95	85.95	1.00	0.00	0.00	
527+50.00	1.00	44.57	83.88	83.88	1.00	0.00	0.00	
528+00.00	1.00	49.04	86.68	86.68	1.00	0.00	0.00	
528+50.00	1.00	41.66	83.98	83.98	1.00	0.00	0.00	
528+80.13	1.00	49.82	51.04	51.04	1.00	0.00	0.00	
529+00.00	1.00	43.76	34.44	34.44	1.00	0.00	0.00	
529+50.00	1.00	42.57	79.94	79.94	1.00	0.00	0.00	
530+00.00	1.00	47.06	82.99	82.99	1.00	0.00	0.00	
530+50.00	1.00	45.22	85.44	85.44	1.00	0.00	0.00	
531+00.00	1.00	41.84	80.61	80.61	1.00	0.00	0.00	
531+50.00	1.00	46.98	82.25	82.25	1.00	0.00	0.00	
532+00.00	1.00	0.00	43.50	43.50	1.00	0.00	0.00	
532+08.55	1.00	44.82	7.10	7.10	1.00	0.00	0.00	
532+50.00	1.00	43.36	67.69	67.69	1.00	0.00	0.00	
533+00.00	1.00	47.27	83.92	83.92	1.00	0.00	0.00	
533+50.00	1.00	44.90	85.34	85.34	1.00	0.00	0.00	
534+00.00	1.00	41.97	80.44	80.44	1.00	0.00	0.00	
534+50.00	1.00	47.59	82.92	82.92	1.00	0.00	0.00	
535+00.00	1.00	49.01	89.44	89.44	1.00	0.00	0.00	
535+50.00	1.00	45.08	87.12	87.12	1.00	0.00	0.00	
536+00.00	1.00	40.62	79.35	79.35	1.00	0.00	0.00	
536+50.00	1.00	35.62	70.59	70.59	1.00	0.00	0.00	
537+00.00	1.00	31.55	62.20	62.20	1.00	0.00	0.00	
537+50.00	1.00	28.86	55.93	55.93	1.00	0.00	0.00	
538+00.00	1.00	28.28	52.90	52.90	1.00	0.03	0.03	
538+50.00	1.00	2.63	28.62	28.62	1.00	0.00	0.03	
539+00.00	1.00	2.91	5.13	5.13	1.00	0.00	0.00	
539+50.00	1.00	0.00	2.69	2.69	1.00	0.00	0.00	
539+63.39	1.00	21.73	5.39	5.39	1.00	0.42	0.10	
540+00.00	1.00	16.31	25.79	25.79	1.00	0.27	0.47	
540+50.00	1.00	36.35	48.76	48.76	1.00	0.85	1.04	
541+00.00	1.00	26.11	57.83	57.83	1.00	0.84	1.57	
541+17.73	1.00	28.18	17.82	17.82	1.00	0.85	0.56	
541+50.00	1.00	30.07	34.81	34.81	1.00	0.55	0.84	
542+00.00	1.00	32.36	57.80	57.80	1.00	0.21	0.71	
542+50.00	1.00	37.87	65.03	65.03	1.00	0.00	0.19	
543+00.00	1.00	37.25	69.56	69.56	1.00	0.00	0.00	
543+50.00	1.00	30.87	63.08	63.08	1.00	0.00	0.00	
544+00.00	1.00	3.89	32.18	32.18	1.00	0.00	0.00	
544+50.00	1.00	0.00	3.60	3.60	1.00	0.00	0.00	
Additional Earthwork Areas								
Theodore St								
523+02.97	1.00		82.70	82.70				
525+64.46	1.00		117.66	117.66				
N Wesmere Pkwy	1.00		137.07	137.07				
S Wesmere Pkwy	1.00		94.08	94.08				
		Total Cut	**2874.72**			**Total Fill**	**5.53**	

NOTE:

1. ANY SUITABLE EXCAVATED MATERIALS SHALL BE PAID FOR ONCE REGARDLESS OF BEING HAULED OFF OR USED ON SITE AS FILL. ANY ITEMS DEEMED AS UNACCEPTABLE SHALL BE PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL.

MODEL: Default
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PLOT SCALE = 2'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

EARTHWORK SCHEDULE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	14
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

STATION	OFFSET FEET	NORTHING	EASTING	SIZE* INCH	TYPE	IMPACT
203+27	9	1778851.208	1014763.495	8	Apple Cultivar	Remove
525+24	28	1778776.707	1014088.128	6	Apple Cultivar	Remove
525+45	28	1778720.966	1014110.569	12	Honey-Locust	Remove
526+23	28	1778778.869	1014186.998	3	Apple Cultivar	Remove
526+53	29	1778779.599	1014217.758	11	Honey-Locust	Remove
527+00	28	1778779.596	1014264.783	2	Apple Cultivar	Remove
527+50	28	1778780.393	1014314.766	3	Apple Cultivar	Remove
527+94	28	1778780.197	1014358.879	2	Apple Cultivar	Remove
528+56	28	1778781.806	1014420.523	2	Apple Cultivar	Remove
529+79	28	1778782.607	1014542.971	6	Little-Leaved Linden	Remove
530+59	27	1778783.198	1014623.351	6	Little-Leaved Linden	Remove
531+39	29	1778785.579	1014703.360	5	Honey-Locust	Remove
533+59	28	1778787.710	1014923.418	5	Apple Cultivar	Remove
534+22	28	1778788.781	1014985.976	4	Apple Cultivar	Remove
537+40	28	1778792.706	1015304.468	14	Honey-Locust	Remove
537+80	29	1778793.786	1015344.624	12	Little-Leaved Linden	Remove
538+65	29	1778794.978	1015428.854	12	Honey-Locust	Remove
539+05	29	1778795.913	1015469.430	12	Little-Leaved Linden	Remove
540+76	29	1778798.336	1015640.508	13	Little-Leaved Linden	Remove
541+36	29	1778799.472	1015699.918	16	Honey-Locust	Remove
541+75	29	1778799.806	1015739.219	12	Honey-Locust	Remove
542+28	29	1778800.497	1015791.973	5	Apple Cultivar	Remove
542+63	29	1778801.154	1015827.472	5	Apple Cultivar	Remove
543+02	28	1778801.634	1015865.930	11	Little-Leaved Linden	Remove
543+39	29	1778802.425	1015902.941	15	Honey-Locust	Remove
544+21	29	1778803.700	1015985.625	6	Apple Cultivar	Remove
544+61	28	1778804.226	1016025.451	11	Little-Leaved Linden	Remove
545+01	28	1778804.881	1016065.572	18	Honey-Locust	Remove
545+81	28	1778805.438	1016145.350	17	Honey-Locust	Remove
546+21	28	1778806.903	1016185.339	5	Apple Cultivar	Remove
525+94	28	1778721.775	1014159.733	12	Honey-Locust	Remove
526+52	28	1778722.585	1014216.709	14	Elm Cultivar	Remove
527+11	28	1778723.338	1014276.009	10	Honey-Locust	Remove
530+13	28	1778727.158	1014577.700	10	Honey-Locust	Remove
530+55	29	1778726.516	1014619.805	6	Burr Oak	Remove
531+10	28	1778728.357	1014674.889	12	Elm Cultivar	Remove
533+56	29	1778730.854	1014921.512	18	Honey-Locust	Remove
533+97	28	1778731.867	1014962.257	14	Honey-Locust	Remove
534+92	29	1778732.166	1015056.775	4	Apple Cultivar	Remove
535+25	30	1778732.148	1015089.979	4	Apple Cultivar	Remove
535+50	30	1778732.440	1015115.231	4	Apple Cultivar	Remove
535+78	30	1778732.586	1015142.969	4	Apple Cultivar	Remove
536+07	30	1778732.916	1015171.943	4	Ornamental Pear	Remove
537+24	30	1778734.401	1015288.988	4	Ornamental Pear	Remove
544+53	30	1778746.055	1016018.109	6	Apple Cultivar	Remove
544+94	29	1778746.957	1016059.184	8	Apple Cultivar	Remove
545+52	29	1778748.694	1016117.542	2	Elm Cultivar	Remove
546+11	29	1778749.250	1016175.848	8	Apple Cultivar	Remove
546+47	30	1778749.378	1016211.771	5	Common Hackberry	Remove
203+44.59	8	1778868.523	1014764.770	8	Apple Cultivar	Remove
203+60.96	8	1778884.910	1014764.650	8	Apple Cultivar	Remove

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PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

TREE REMOVAL SCHEDULE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	15
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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SIGNING SCHEDULE - THEODORE ST 1A

	SIGN LOCATION			SIGN NUMBER						SIGN TYPE	MUCTD DESIGNATION	EXISTING SIGN			SIGN ASSEMBLY/ PANEL TYPE
	STATION	OFFSET	LT/RT									WDT (FT)	HGT (FT)	AREA (SQ FT)	
EX-01	527+55	25	LT	WB	THEO	TS	0001	-	P	SPEED LIMT 40 MPH	R2-1	2.5	3	7.5	TYPE 1
EX-02	529+34	32	RT	RT	THEO	TS	0002		P	SIGNAL AHEAD	W3-3	1.5	1.5	2.25	TYPE 1
	529+34	32	RT	EB	THEO	TS	0002	-	P	STREET NAME SIGN (WESMERE PWKY)	W16-8P	2	1	2	
EX-03	535+64	30	LT	WB	THEO	TS	0003		P	SPEED LIMIT 20 MPH WHEN FLASHING	S5-1	2	4	8	TYPE 1
EX-04	536+69	31	LT	WB	THEO	TS	0004	-	P	SIGNAL AHEAD	W3-3	1.5	1.5	2.25	TYPE 1
	536+69	31	LT	WB	THEO	TS	0004	-	P	STREET NAME SIGN (WESMERE PWKY)	W16-8P	2	1	2	
EX-05	537+95	30	LT	WB	THEO	TS	0005	-	P	SPEED LIMT 40 MPH	R2-1	2.5	3	7.5	TYPE 1
EX-06	537+89	32	RT	EB	THEO	TS	0006	-	P	SPEED LIMT 40 MPH	R2-1	2.5	3	7.5	TYPE 1
EX-07	541+28	30	LT	WB	THEO	TS	0007	-	P	SPEED LIMT 40 MPH	R2-1	2.5	3	7.5	TYPE 1
EX-08	541+13	32	RT	EB	THEO	TS	0008	-	P	SPEED LIMT 40 MPH	R2-1	2.5	3	7.5	TYPE 1
EX-09	546+32	27	LT	WB	THEO	TS	0009	-	P	SPEED LIMT 40 MPH	R2-1	2.5	3	7.5	TYPE 1
EX-10	548+28	26	RT	EB	THEO	TS	0010	-	P	T-INTERSECTION	R2-1	2.5	3	7.5	TYPE 1
	548+28	26	RT	EB	THEO	TS	0010	-	P	STREET NAME SIGN (GREEN TRAILS DR)	D3-1	1	1	1	
EX-11	532+00	74	LT	WB	THEO	TS	0011	-	P	SIGNAL AHEAD	W3-3	1.5	1.5	2.25	TYPE 1
	532+00	74	LT	WB	THEO	TS	0011	-	P	STREET NAME SIGN (WESMERE PWKY)	W16-8P	2	1	2	
EX-12	532+42	78	RT	EB	THEO	TS	0012	-	P	SIGNAL AHEAD	W3-3	1.5	1.5	2.25	TYPE A
	532+42	78	RT	EB	THEO	TS	0012	-	P	STREET NAME SIGN (WESMERE PWKY)	W16-8P	2	1	2	

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PLOT DATE = 12/6/2023

DESIGNED - BNP
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CHECKED - KRC
DATE -

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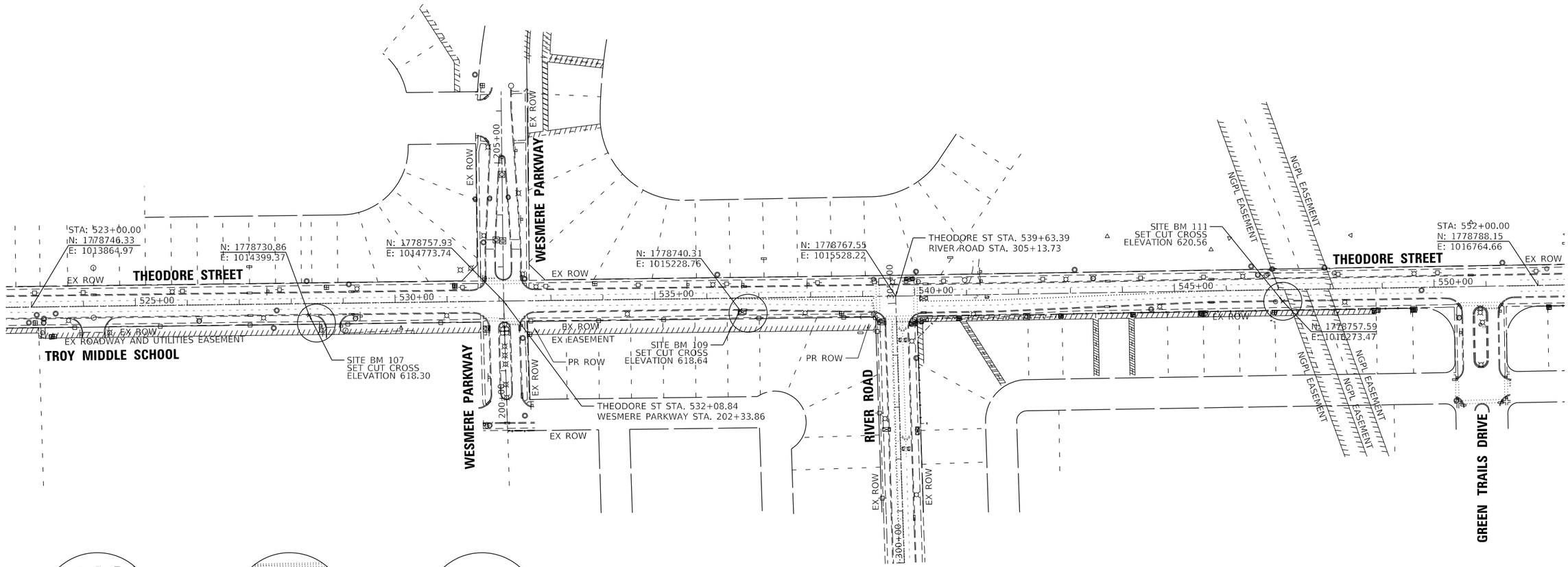
THEODORE STREET WIDEN AND RESURFACE
JOLIET ILLINOIS

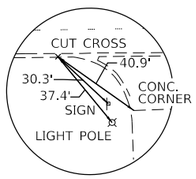
SIGNING SCHEDULE
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

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

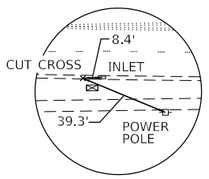
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SOURCE BENCHMARK:
NAVD 88 DATUM VIA PUBLISHED TRIMBLE VRS NETWORK THROUGH GPS OBSERVATIONS.

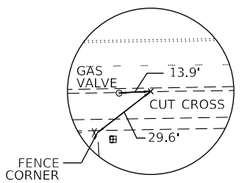




SITE BM 107



SITE BM 109



SITE BM 111

BENCHMARKS:

BM 107 - 379' ± EAST OF FIRST ENTRANCE TO TROY MIDDLE SCHOOL ON THE BACK OF CURB. 37' ± NORTHWEST OF BUS ENTRANCE SIGN PANEL 9.0' ± FROM BACK OF CURB AND 3.0' ± FROM BACK OF SIDEWALK ON GRASS ENTRANCE. 65' ± SOUTH OF STORM STRUCTURE ACROSS THEODORE STREET. 90' ± WEST OF FIRE HYDRANT THAT IS ON GRASS 21' FROM BACK OF CURB ALONG SCHOOL ENTRANCE AND 5' ± FROM FRONT OF SIDEWALK. ELEVATION IS 618.30'.

BM 109 - 455' ± WEST OF WESMERE PARKWAY INTERSECTION AND 9.5' ± NORTH OF FRONT OF SIDEWALK. 72' ± SOUTHWEST FROM LIGHPOLE ACROSS THEODORE STREET WHICH IS 4.0' ± NORTH FROM BACK OF CURB. 125' ± WEST FROM LIGHTPOLE 3.0' ± FROM BACK OF CURB. 270' ± WEST OF RIVER ROAD INTERSECTION. ELEVATION IS 618.64'.

BM 111 - 119' WEST OF LIGHT POLE THAT IS 217' FROM GREEN TRAILS DRIVE INTERSECTION. 69' SOUTHWEST OF FIRE HYDRANT ON GRASS 6' NORTH OF THE BACK OF CURB ACROSS STREET ON NORTH SIDE. 711' EAST OF RIVER ROAD INTERSECTION AND 12' NORTH OF FRONT OF SIDEWALK. 26.6' ± NORTHWEST OF END OF FENCE. ELEVATION IS 620.56'.

CONTROL POINTS TABLE:

C.P.#	NORTHING	EASTING	STATION	OFFSET	ELEVATION
106	1778724.193	1013888.811	523+23.54	22.47' RT	623.315
107	1778730.855	1014399.372	528+34.16	22.29' RT	618.295
108	1778736.533	1014840.237	532+75.06	22.24' RT	618.240
109	1778740.313	1015228.759	536+63.63	23.41' RT	618.640
110	1778738.089	1015739.279	541+73.93	32.99' RT	619.120
111	1778757.587	1016273.465	547+08.36	22.35' RT	620.555
130	1778719.630	1014728.239	531+62.86	37.71' RT	618.670
131	1778522.187	1014742.311	531+74.41	235.32' RT	617.860

N

1

0 100 200 300
1"=100' SCALE FEET

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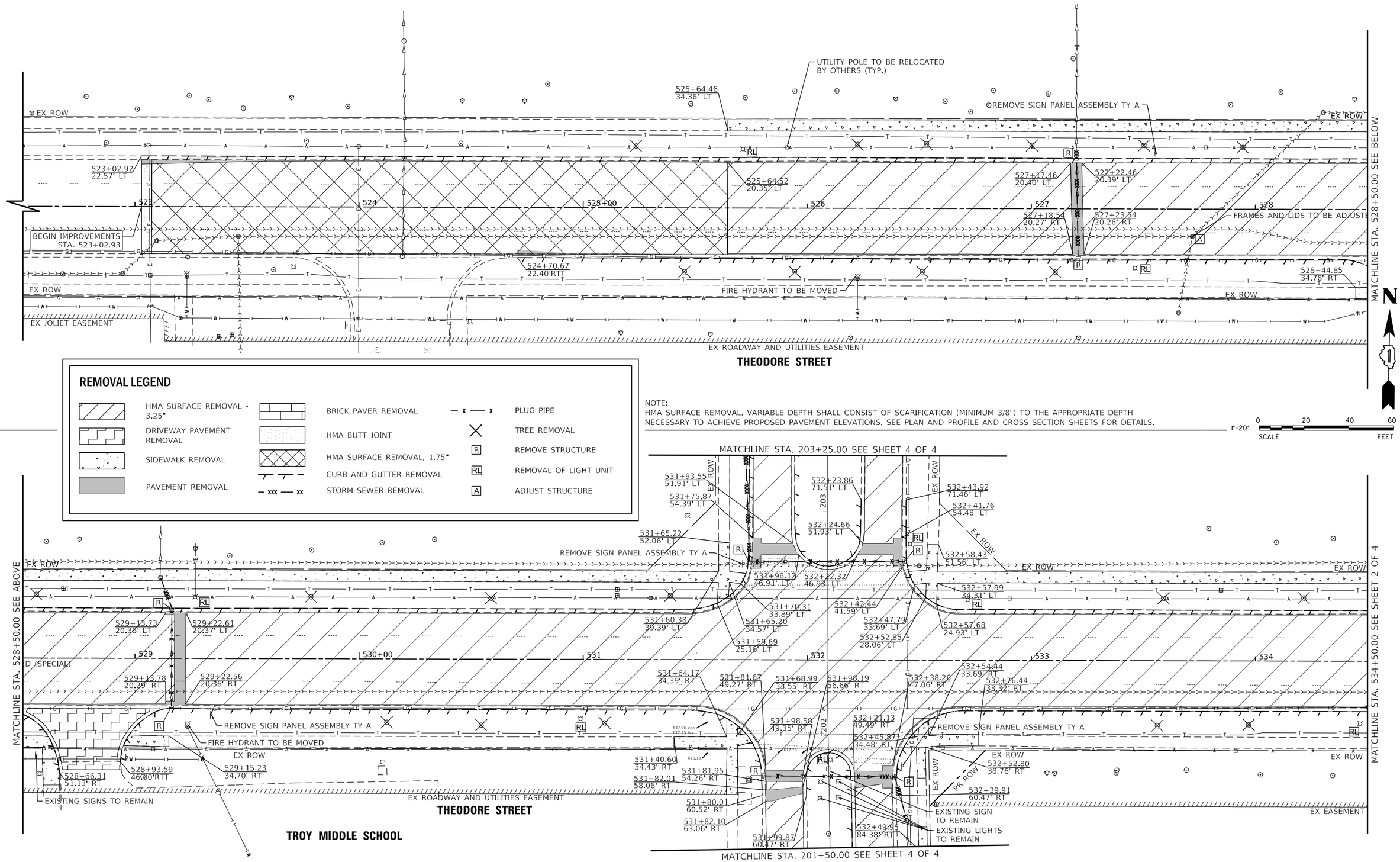
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PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE
JOLIET ILLINOIS

ALIGNMENT, TIES AND BENCHMARKS
SCALE: 1"=100' | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	17
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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REMOVAL LEGEND

- HMA SURFACE REMOVAL - 3.25"
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL
- BRICK PAVER REMOVAL
- HMA BUTT JOINT
- HMA SURFACE REMOVAL, 1.75"
- CURB AND GUTTER REMOVAL
- STORM SEWER REMOVAL
- PLUG PIPE
- TREE REMOVAL
- [R] REMOVE STRUCTURE
- [RL] REMOVAL OF LIGHT UNIT
- [A] ADJUST STRUCTURE

NOTE:
HMA SURFACE REMOVAL, VARIABLE DEPTH SHALL CONSIST OF SCARIFICATION (MINIMUM 3/8") TO THE APPROPRIATE DEPTH NECESSARY TO ACHIEVE PROPOSED PAVEMENT ELEVATIONS. SEE PLAN AND PROFILE AND CROSS SECTION SHEETS FOR DETAILS.

1"=20' SCALE 0 20 40 60 FEET

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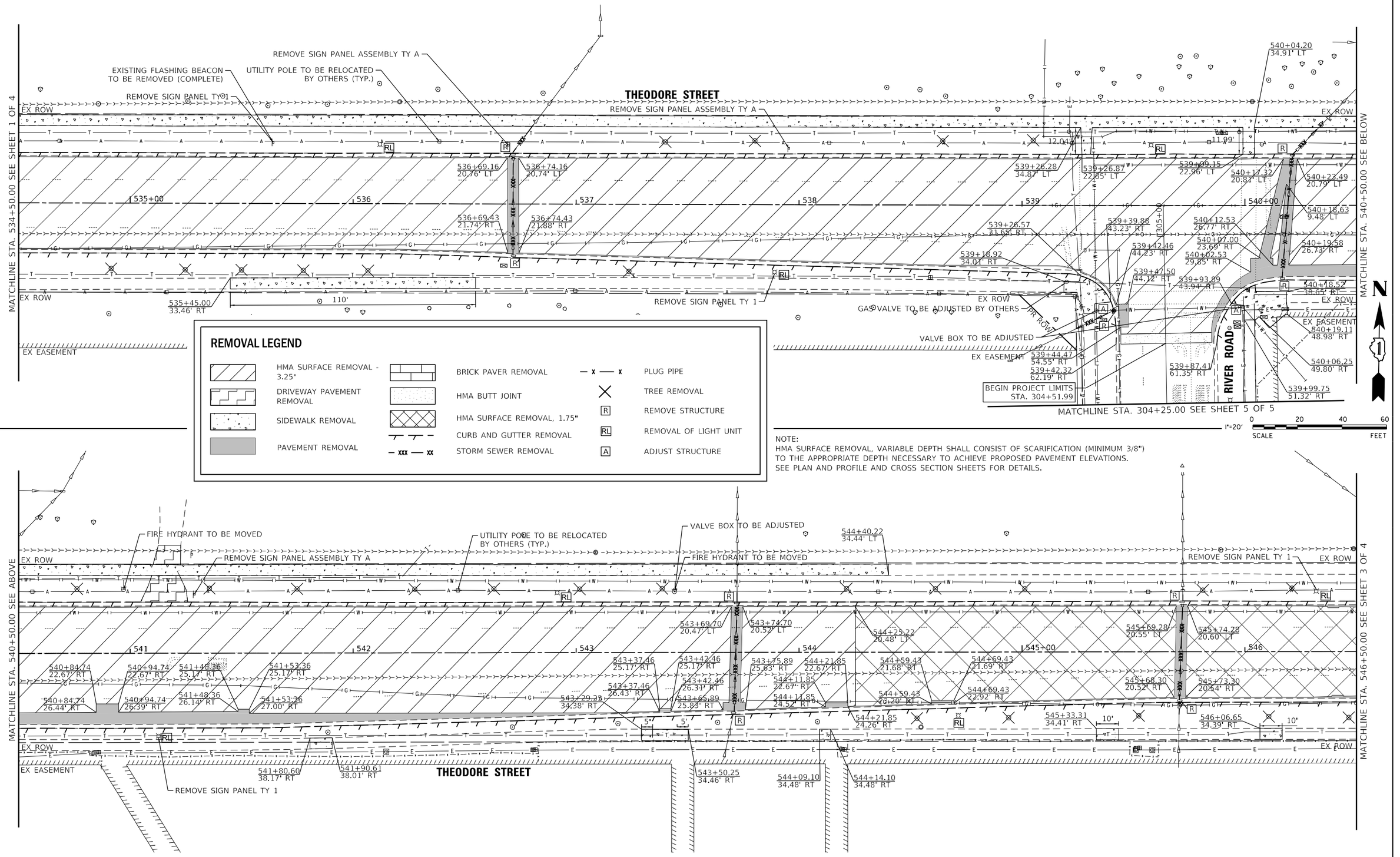
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	DRAWN - DRP	REVISED -
PLOT SCALE = 40'	CHECKED - KRC	REVISED -
PLOT DATE = 12/18/2023	DATE - 9/30/2020	REVISED -

THEODORE STREET WIDEN AND RESURFACE
JOLIET ILLINOIS

ROADWAY REMOVAL PLAN
SCALE: 1"=20" | SHEET 1 OF 5 SHEETS | STA. 522+50.00 TO STA. 534+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	18
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

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USER NAME = cfigus	DESIGNED - BNP	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 40'	CHECKED - KRC	REVISED -
PLOT DATE = 12/18/2023	DATE - 9/30/2020	REVISED -

THEODORE STREET WIDEN AND RESURFACE

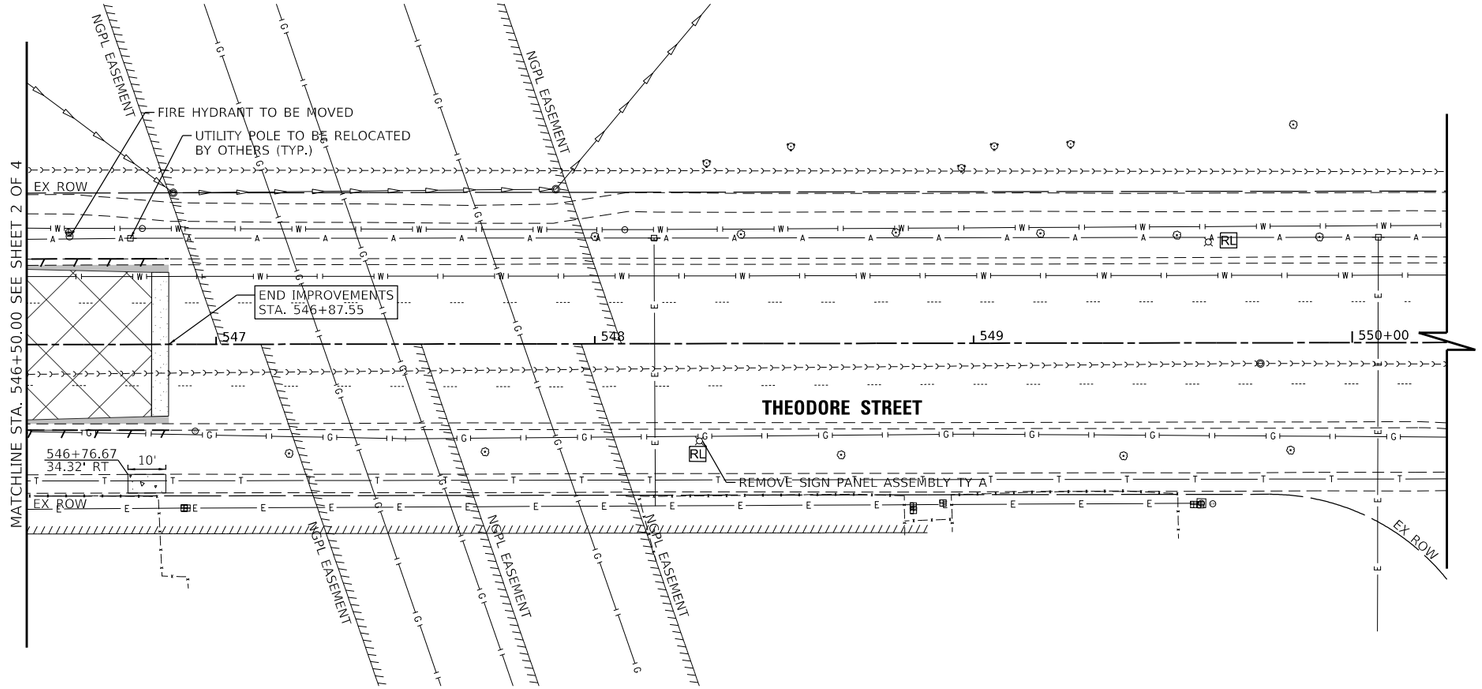
JOLIET ILLINOIS

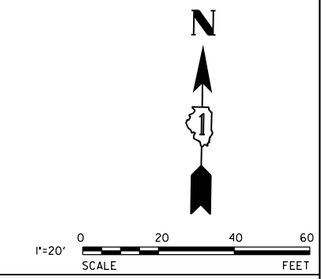
ROADWAY REMOVAL PLAN

SCALE: 1"=20" | SHEET 2 OF 4 SHEETS | STA. 534+50.00 TO STA. 546+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	19
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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REMOVAL LEGEND

HMA SURFACE REMOVAL - 3.25"	BRICK PAVER REMOVAL	— x — x	PLUG PIPE
DRIVEWAY PAVEMENT REMOVAL	HMA BUTT JOINT	X	TREE REMOVAL
SIDEWALK REMOVAL	HMA SURFACE REMOVAL, 1.75"	R	REMOVE STRUCTURE
	CURB AND GUTTER REMOVAL	RL	REMOVAL OF LIGHT UNIT
PAVEMENT REMOVAL	STORM SEWER REMOVAL — XXX — XX	A	ADJUST STRUCTURE

NOTE:
HMA SURFACE REMOVAL, VARIABLE DEPTH SHALL CONSIST OF SCARIFICATION (MINIMUM 3/8") TO THE APPROPRIATE DEPTH NECESSARY TO ACHIEVE PROPOSED PAVEMENT ELEVATIONS. SEE PLAN AND PROFILE AND CROSS SECTION SHEETS FOR DETAILS.

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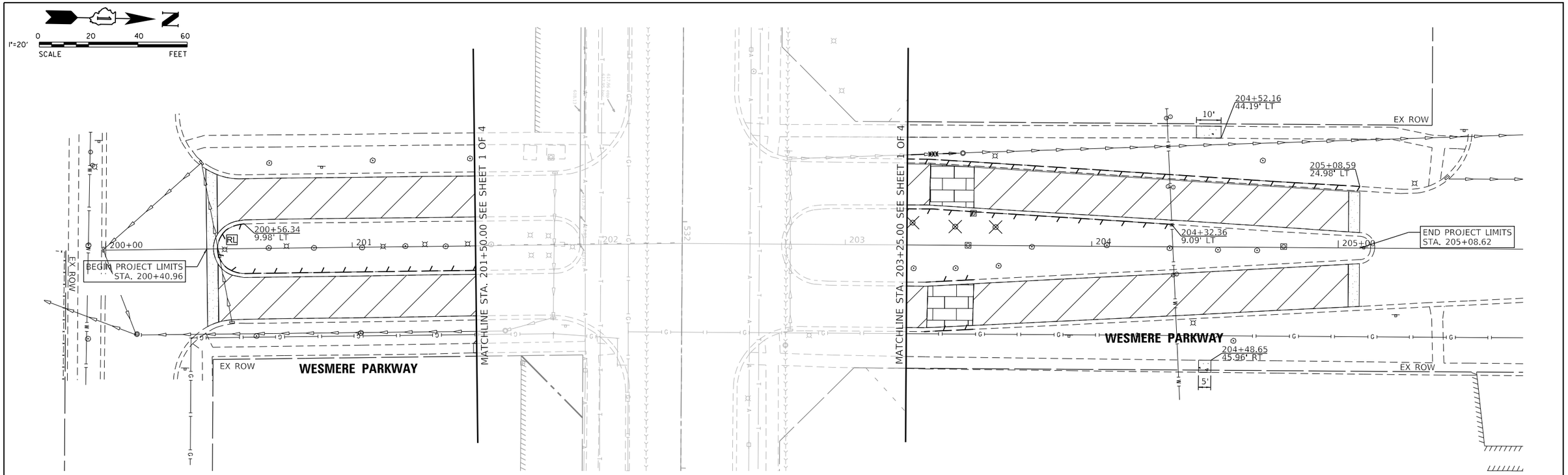
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	DRAWN - DRP	REVISED -
PLOT SCALE = 40'	CHECKED - KRC	REVISED -
PLOT DATE = 12/18/2023	DATE - 9/30/2020	REVISED -

THEODORE STREET WIDEN AND RESURFACE
JOLIET ILLINOIS

ROADWAY REMOVAL PLAN
SCALE: 1"=20" | SHEET 3 OF 4 SHEETS | STA. 546+50.00 TO STA. 552+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	20
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: E:\2022\220160\Drawings\Mstn\CADD_Sheets\Project 1AID1220160-sht-removal-03.dgn



REMOVAL LEGEND

- HMA SURFACE REMOVAL - 3.25"
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL
- BRICK PAVER REMOVAL
- HMA BUTT JOINT
- HMA SURFACE REMOVAL, 1.75"
- CURB AND GUTTER REMOVAL
- STORM SEWER REMOVAL
- PLUG PIPE
- TREE REMOVAL
- R — REMOVE STRUCTURE
- RL — REMOVAL OF LIGHT UNIT
- A — ADJUST STRUCTURE

NOTE:
HMA SURFACE REMOVAL, VARIABLE DEPTH SHALL CONSIST OF SCARIFICATION (MINIMUM 3/8") TO THE APPROPRIATE DEPTH NECESSARY TO ACHIEVE PROPOSED PAVEMENT ELEVATIONS. SEE PLAN AND PROFILE AND CROSS SECTION SHEETS FOR DETAILS.

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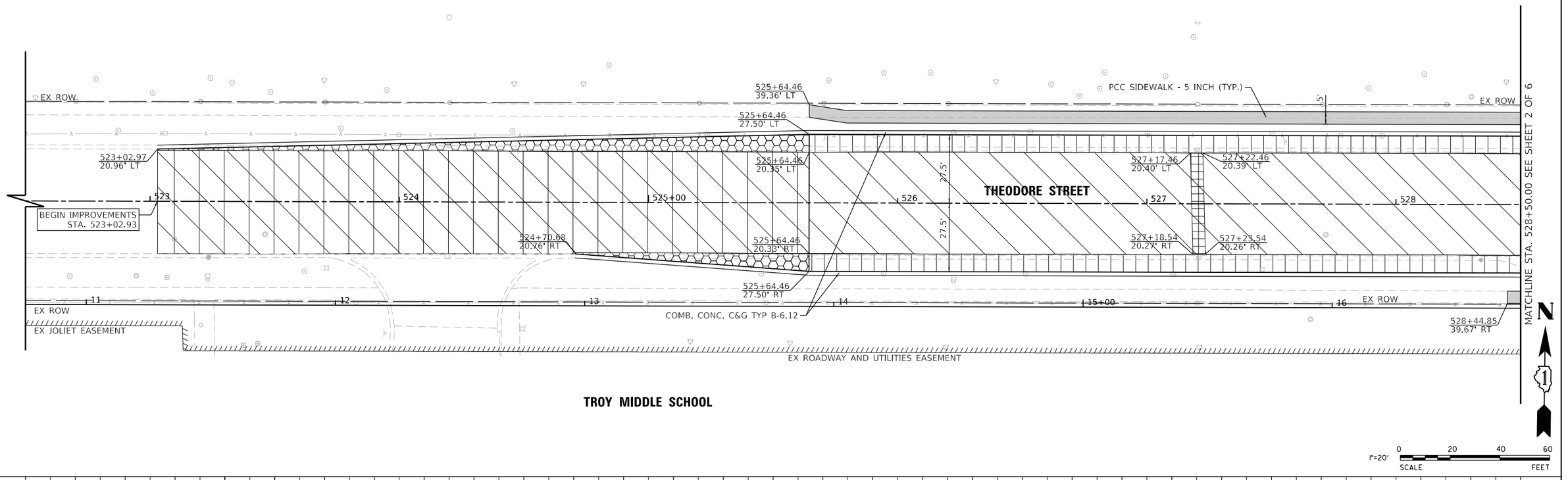
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PLOT SCALE = 40'	CHECKED - KRC	REVISED -
PLOT DATE = 12/18/2023	DATE - 9/30/2020	REVISED -

THEODORE STREET WIDEN AND RESURFACE
JOLIET ILLINOIS

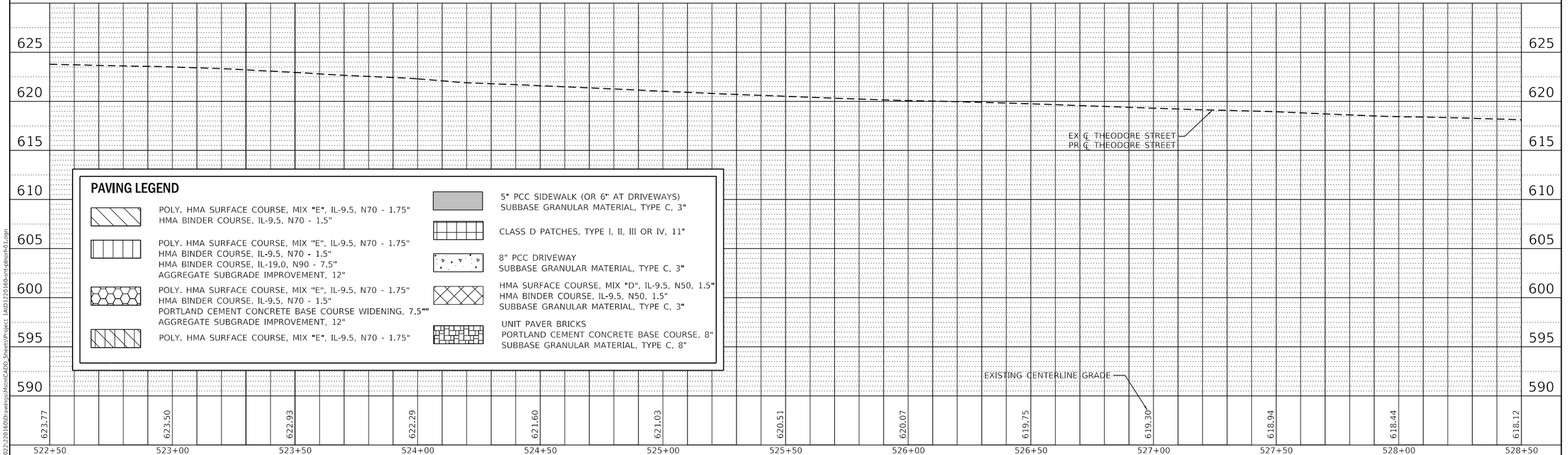
ROADWAY REMOVAL PLAN
SCALE: 1'=20" | SHEET 4 OF 4 SHEETS | STA. 200+00.00 TO STA. 206+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	21
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: E:\2022\220160\Drawings\Mstn\CADD_Sheets\Project 1AID1220160-sht-removal-04.dgn



TROY MIDDLE SCHOOL



PAVING LEGEND

- POLY. HMA SURFACE COURSE, MIX "E", IL-9.5, N70 - 1.75"
  HMA BINDER COURSE, IL-9.5, N70 - 1.5"
- POLY. HMA SURFACE COURSE, MIX "E", IL-9.5, N70 - 1.75"
  HMA BINDER COURSE, IL-9.5, N70 - 1.5"
  HMA BINDER COURSE, IL-19.0, N90 - 7.5"
  AGGREGATE SUBGRADE IMPROVEMENT, 12"
- POLY. HMA SURFACE COURSE, MIX "E", IL-9.5, N70 - 1.75"
  HMA BINDER COURSE, IL-9.5, N70 - 1.5"
  PORTLAND CEMENT CONCRETE BASE COURSE WIDENING, 7.5""
  AGGREGATE SUBGRADE IMPROVEMENT, 12"
- POLY. HMA SURFACE COURSE, MIX "E", IL-9.5, N70 - 1.75"
- 5" PCC SIDEWALK (OR 6" AT DRIVEWAYS)
  SUBBASE GRANULAR MATERIAL, TYPE C, 3"
- CLASS D PATCHES, TYPE I, II, III OR IV, 11"
- 8" PCC DRIVEWAY
  SUBBASE GRANULAR MATERIAL, TYPE C, 3"
- HMA SURFACE COURSE, MIX "D", IL-9.5, N50, 1.5"
  HMA BINDER COURSE, IL-9.5, N50, 1.5"
  SUBBASE GRANULAR MATERIAL, TYPE C, 3"
- UNIT PAVER BRICKS
  PORTLAND CEMENT CONCRETE BASE COURSE, 8"
  SUBBASE GRANULAR MATERIAL, TYPE C, 8"

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PLOT DATE = 12/18/2023	DATE - 10/21/2020	REVISED -

THEODORE STREET WIDEN AND RESURFACE

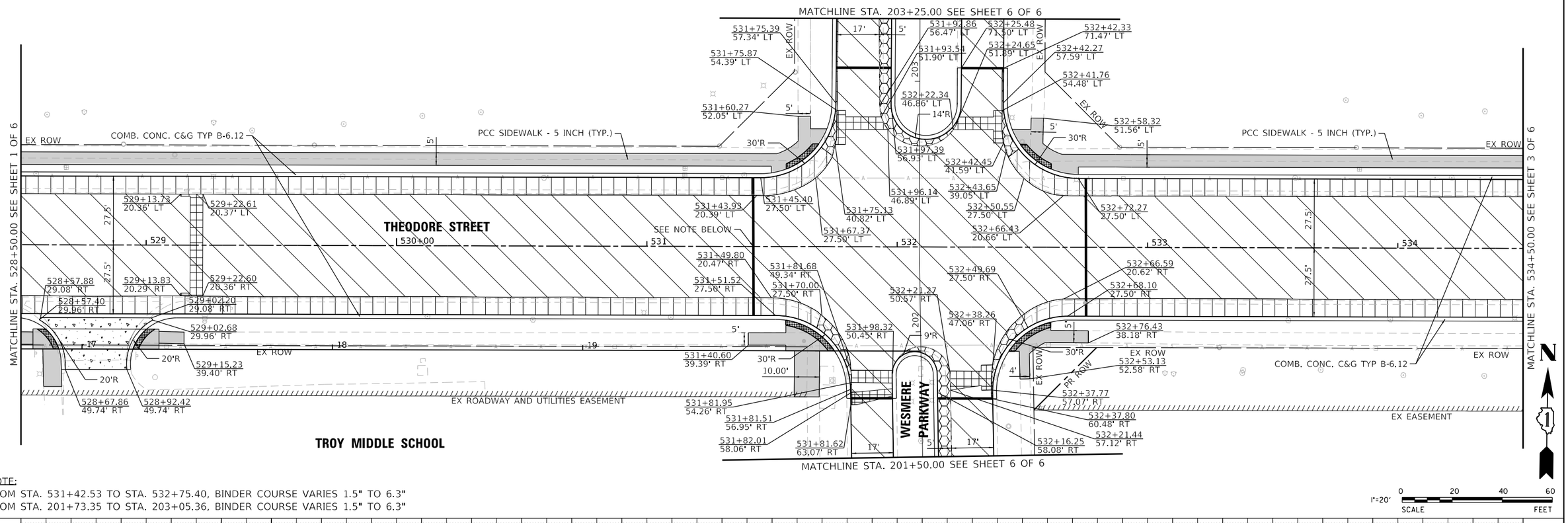
JOLIET ILLINOIS

ROADWAY PLAN AND PROFILE

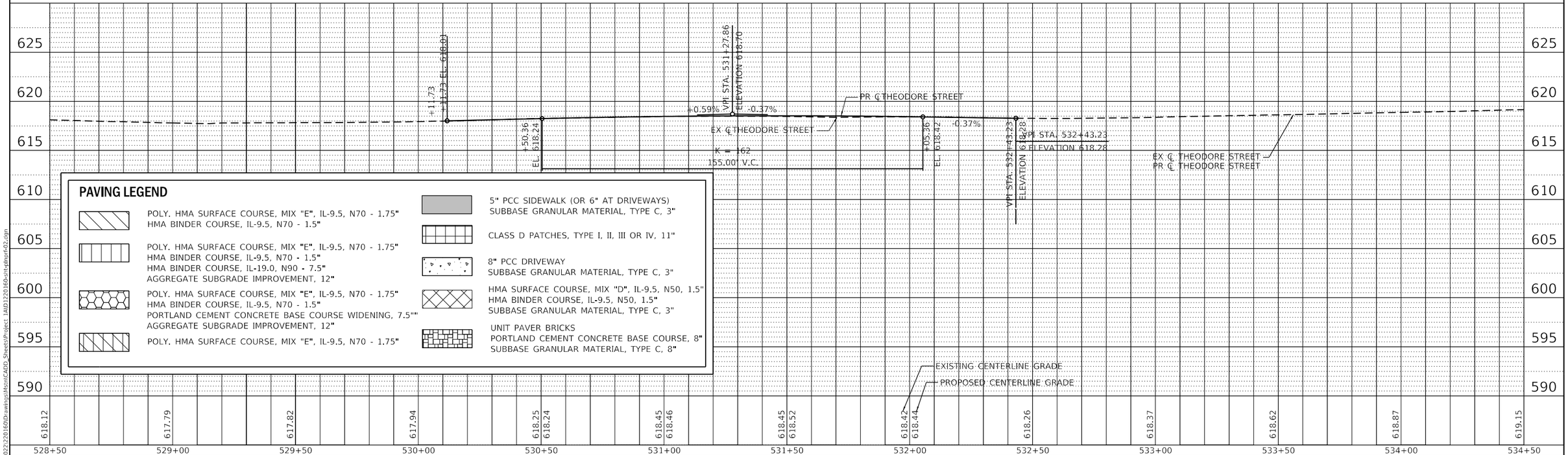
SCALE: 1"=20" | SHEET 1 OF 6 SHEETS | STA. 522+50.00 | TO STA. 528+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	22
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

MODEL: Default
FILE NAME: E:\2022\220160\Drawings\Mstn\CADD_Sheets\Project 1\AD1220160-sht-qtlnprf-01.dgn



NOTE:
FROM STA. 531+42.53 TO STA. 532+75.40, BINDER COURSE VARIES 1.5" TO 6.3"
FROM STA. 201+73.35 TO STA. 203+05.36, BINDER COURSE VARIES 1.5" TO 6.3"



PAVING LEGEND

- POLY. HMA SURFACE COURSE, MIX "E", IL-9.5, N70 - 1.75"
  HMA BINDER COURSE, IL-9.5, N70 - 1.5"
- POLY. HMA SURFACE COURSE, MIX "E", IL-9.5, N70 - 1.75"
  HMA BINDER COURSE, IL-9.5, N70 - 1.5"
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  AGGREGATE SUBGRADE IMPROVEMENT, 12"
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  PORTLAND CEMENT CONCRETE BASE COURSE WIDENING, 7.5""
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- POLY. HMA SURFACE COURSE, MIX "E", IL-9.5, N70 - 1.75"
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  SUBBASE GRANULAR MATERIAL, TYPE C, 3"
- CLASS D PATCHES, TYPE I, II, III OR IV, 11"
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  SUBBASE GRANULAR MATERIAL, TYPE C, 3"
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THEODORE STREET WIDEN AND RESURFACE
JOLIET ILLINOIS

ROADWAY PLAN AND PROFILE
SCALE: 1"=20" | SHEET 2 OF 6 SHEETS | STA. 528+50.00 TO STA. 534+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	23
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

MODEL: Default
FILE NAME: E:\2022\22016\0\Drawings\Mstn\CADD_Sheets\Project 1\AD122016b-sht-qtnpf-t02.dgn

1"=20' SCALE 0 20 40 60 FEET

MATCHLINE STA. 534+50.00 SEE SHEET 2 OF 6

MATCHLINE STA. 540+00.00 SEE SHEET 4 OF 6

EX ROW

PCC SIDEWALK - 5 INCH (TYP.)

5'

27.5'

27.5'

535+00

536

537

538

539

540+00

305+00

THEODORE STREET

536+69.16
20.76' LT

536+74.16
20.74' LT

SEE NOTE 1 BELOW

SEE NOTE 2 BELOW

536+20.91
20.38' RT

536+69.43
21.74' RT

536+74.43
21.88' RT

535+45.00
38.39' RT

PCC SIDEWALK - 5 INCH

536+55.00
37.86' RT

COMB. CONC. C&G TYP B-6.12

EX ROW

EX EASEMENT

539+18.90
38.99' RT

539+19.43
27.49' RT

30'R

539+42.46
44.23' RT

539+47.50
44.12' RT

539+47.72
54.48' RT

PR ROW

539+27.78
48.51' RT

539+44.47
54.55' RT

539+43.85
56.86' RT

539+43.96
62.16' RT

BEGIN PROJECT LIMITS
STA. 304+51.99

42'

539+85.94
61.41' RT

RIVER ROAD

540+17.32
20.81' LT

540+23.81
20.76' LT

6.7

540+18.63
9.48' LT

540+12.53
26.77' RT

540+09.96
27.49' RT

540+02.53
29.86' RT

540+19.58
26.73' RT

30'R

540+18.51
34.45' RT

EX ROW

EX EASEMENT

540+04.73
51.29' RT

N

1

NOTE:
1. FROM STA. 536+60.00 TO STA. 536+90.00, BINDER COURSE VARIES 1.5" TO 2.0"
2. FROM STA. 539+09.72 TO STA. 540+17.98, BINDER COURSE VARIES 1.5" TO 6.1"
   FROM STA. 304+51.99 TO STA. 304+86.34, BINDER COURSE VARIES 1.5" TO 6.1"

EX ℄ THEODORE STREET
PR ℄ THEODORE STREET

+42.11 EL. 619.18

K = 145
120.00' V.C.

+89.52 EL. 618.96

+09.52 EL. 618.90

-0.46% +0.36%

VPI STA. 536+49.52
ELEVATION 618.68

+50.69 EL. 619.42

+0.36% -1.15%

VPI STA. 539+10.69
ELEVATION 619.63

K = 79
120.00' V.C.

+70.69 EL. 618.94

K = 35
54.00' V.C.

-1.15% +0.38%

VPI STA. 539+97.98
ELEVATION 618.63

+24.98 EL. 618.73

EXISTING CENTERLINE GRADE
PROPOSED CENTERLINE GRADE

534+50	535+00	535+50	536+00	536+50	537+00	537+50	538+00	538+50	539+00	539+50	540+00	540+50
619.15	619.26	619.15 / 619.14	618.91 / 618.91	618.86 / 618.81	618.87 / 618.87	619.04 / 619.05	619.23 / 619.23	619.41 / 619.41	619.34 / 619.44	619.17 / 619.16	618.63 / 618.73	618.85 / 618.83

PAVING LEGEND

- POLY. HMA SURFACE COURSE, MIX "E", IL-9.5, N70 - 1.75"
  HMA BINDER COURSE, IL-9.5, N70 - 1.5"
- POLY. HMA SURFACE COURSE, MIX "E", IL-9.5, N70 - 1.75"
  HMA BINDER COURSE, IL-9.5, N70 - 1.5"
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- 8" PCC DRIVEWAY
  SUBBASE GRANULAR MATERIAL, TYPE C, 3"
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THEODORE STREET WIDEN AND RESURFACE

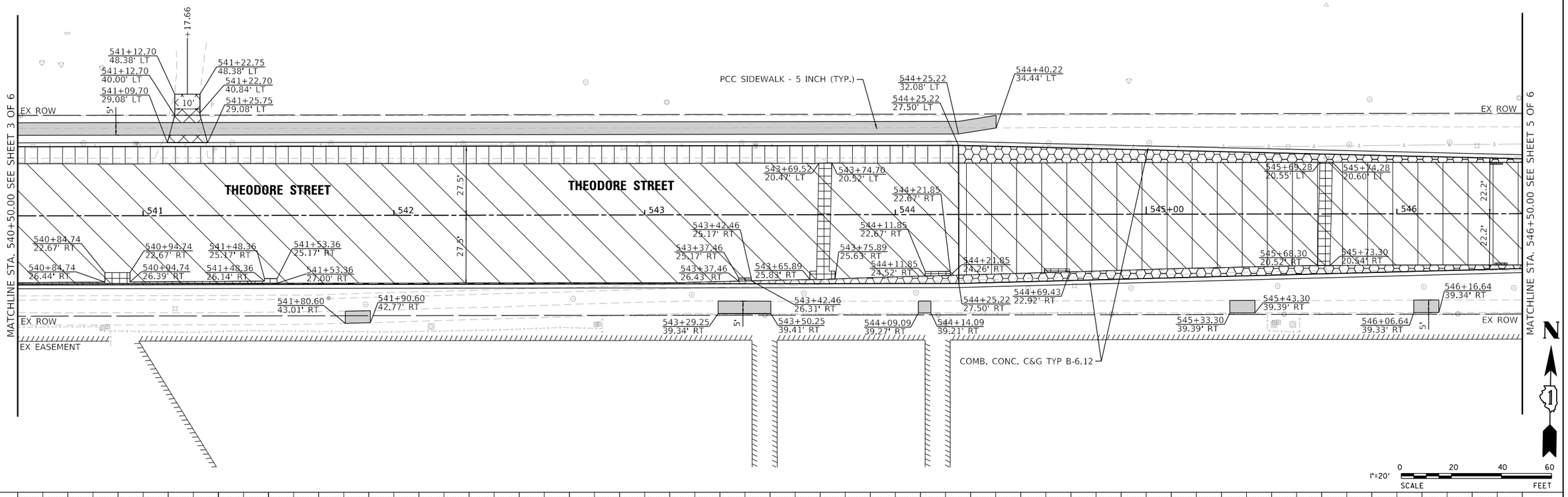
JOLIET ILLINOIS

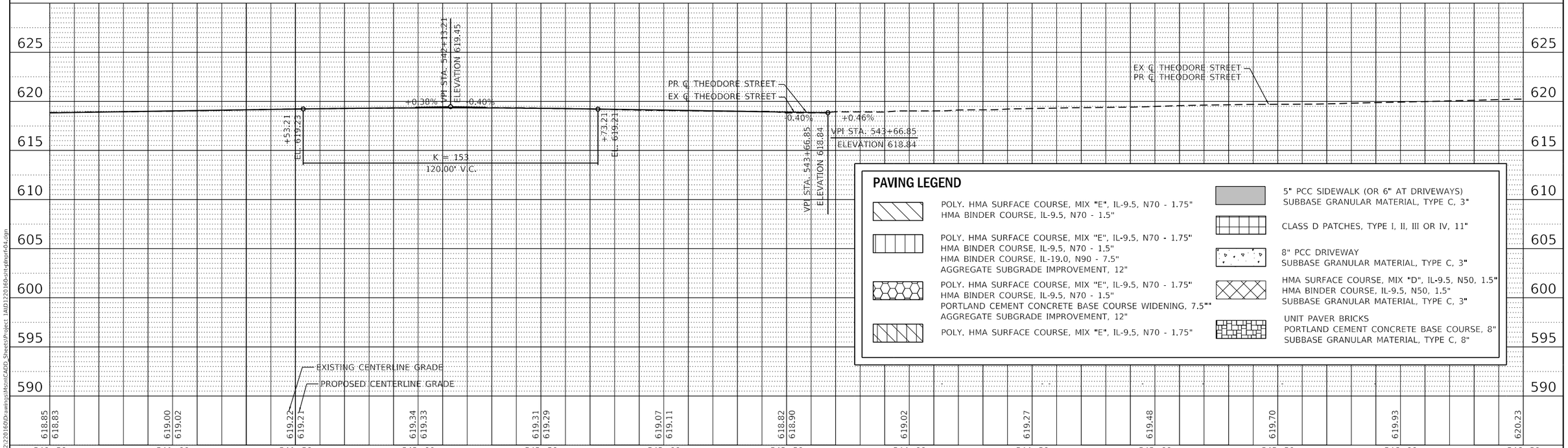
ROADWAY PLAN AND PROFILE

SCALE: 1"=20" | SHEET 3 OF 7 SHEETS | STA. 534+50.00 | TO STA. 540+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	24
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

MODEL: Default
FILE NAME: E:\2022\220160\Drawings\Mstn\CADD_Sheets\Project 1\AD1220160-sht-qtlnprf-03.dgn





PAVING LEGEND

- POLY. HMA SURFACE COURSE, MIX "E", IL-9.5, N70 - 1.75"
  HMA BINDER COURSE, IL-9.5, N70 - 1.5"
- POLY. HMA SURFACE COURSE, MIX "E", IL-9.5, N70 - 1.75"
  HMA BINDER COURSE, IL-9.5, N70 - 1.5"
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THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

ROADWAY PLAN AND PROFILE

SCALE: 1"=20" | SHEET 4 OF 6 SHEETS | STA. 540+50.00 TO STA. 546+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	25
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

MODEL: Default
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MATCHLINE STA. 546+50.00 SEE SHEET 4 OF 6

NGPL EASEMENT

COMB. CONC. C&G TYP B-6.12

546+83.91
21.03' LT

546+87.55
21.04' LT

EX ROW

END IMPROVEMENTS
STA. 546+87.55

41.0'

546+87.55
20.94' RT

546+76.67
39.23' RT

546+86.67
39.22' RT

5'

THEODORE STREET

547 548 549 550+00 551 552

EX ROW

GREEN TRAILS DRIVE

FP

N

1"=20'

SCALE 0 20 40 60 FEET

625 620 615 610 605 600 595 590

EX ℄ THEODORE STREET
PR ℄ THEODORE STREET

EXISTING CENTERLINE GRADE

620.23 620.54 620.77 620.74 620.55 620.28 620.03 619.77 619.48 619.50 619.75 619.98 620.15

546+50 547+00 547+50 548+00 548+50 549+00 549+50 550+00 550+50 551+00 551+50 552+00 552+50

PAVING LEGEND

- POLY. HMA SURFACE COURSE, MIX "E", IL-9.5, N70 - 1.75"
  HMA BINDER COURSE, IL-9.5, N70 - 1.5"
- POLY. HMA SURFACE COURSE, MIX "E", IL-9.5, N70 - 1.75"
  HMA BINDER COURSE, IL-9.5, N70 - 1.5"
  HMA BINDER COURSE, IL-19.0, N90 - 7.5"
  AGGREGATE SUBGRADE IMPROVEMENT, 12"
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  PORTLAND CEMENT CONCRETE BASE COURSE, 8"
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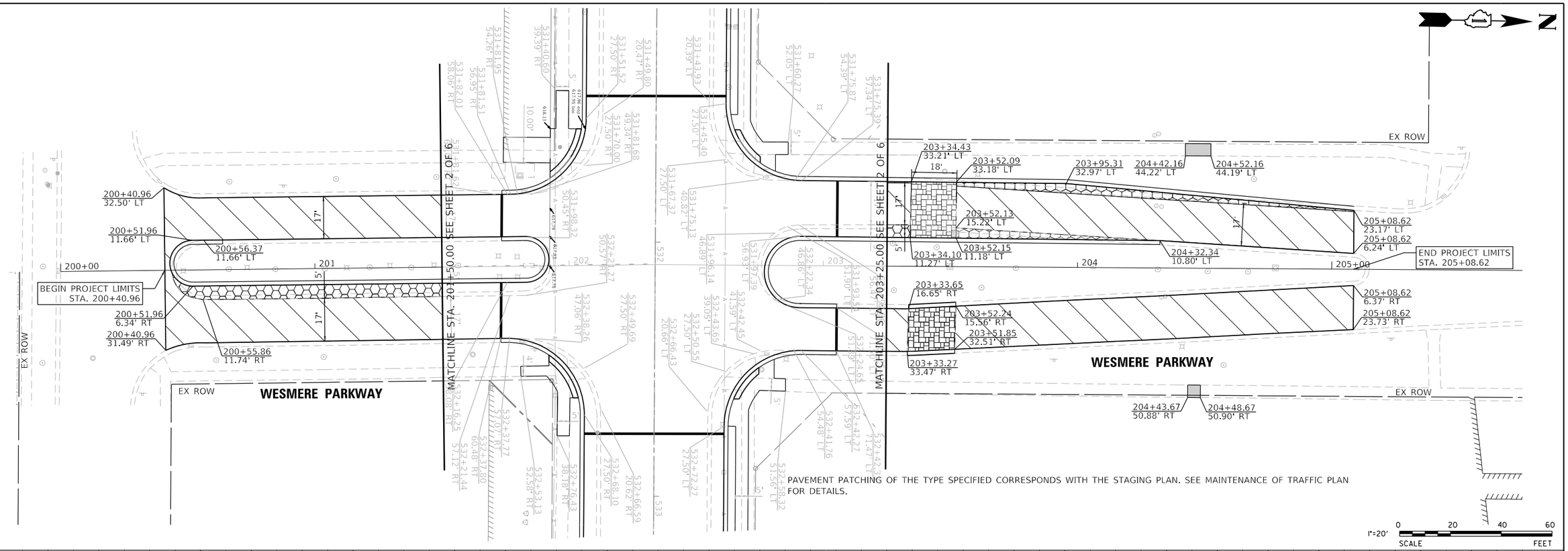
THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

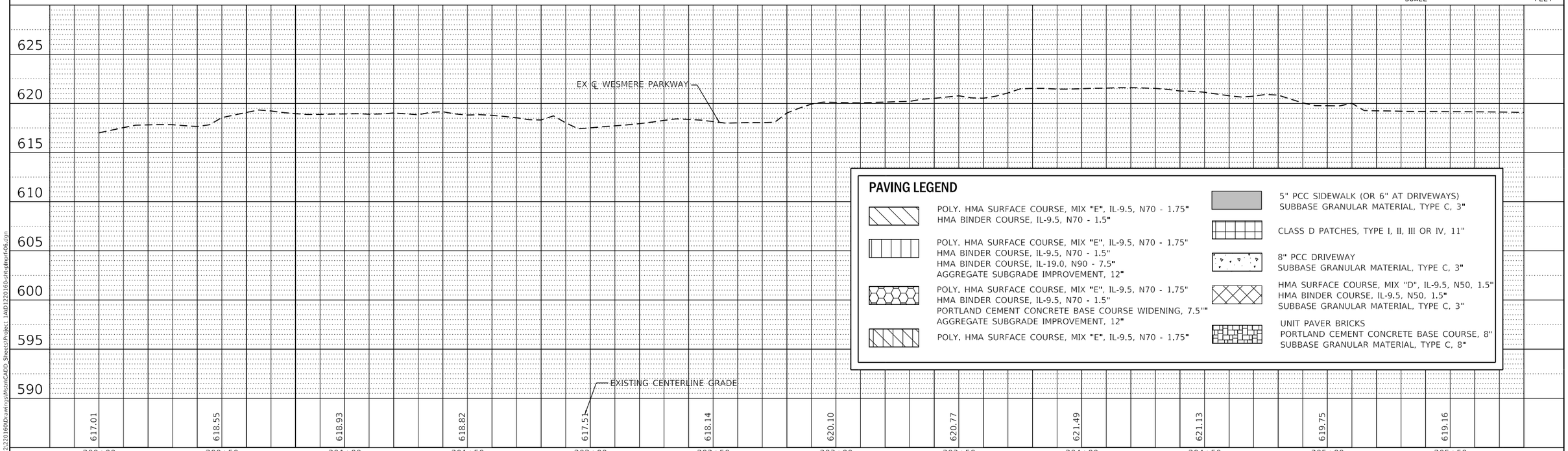
ROADWAY PLAN AND PROFILE

SCALE: 1"=20" | SHEET 5 OF 6 SHEETS | STA. 546+50.00 | TO STA. 552+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	26
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	



PAVEMENT PATCHING OF THE TYPE SPECIFIED CORRESPONDS WITH THE STAGING PLAN. SEE MAINTENANCE OF TRAFFIC PLAN FOR DETAILS.



PAVING LEGEND

- POLY. HMA SURFACE COURSE, MIX "E", IL-9.5, N70 - 1.75"
  HMA BINDER COURSE, IL-9.5, N70 - 1.5"
- POLY. HMA SURFACE COURSE, MIX "E", IL-9.5, N70 - 1.75"
  HMA BINDER COURSE, IL-9.5, N70 - 1.5"
  HMA BINDER COURSE, IL-19.0, N90 - 7.5"
  AGGREGATE SUBGRADE IMPROVEMENT, 12"
- POLY. HMA SURFACE COURSE, MIX "E", IL-9.5, N70 - 1.75"
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  AGGREGATE SUBGRADE IMPROVEMENT, 12"
- POLY. HMA SURFACE COURSE, MIX "E", IL-9.5, N70 - 1.75"
- 5" PCC SIDEWALK (OR 6" AT DRIVEWAYS)
  SUBBASE GRANULAR MATERIAL, TYPE C, 3"
- CLASS D PATCHES, TYPE I, II, III OR IV, 11"
- 8" PCC DRIVEWAY
  SUBBASE GRANULAR MATERIAL, TYPE C, 3"
- HMA SURFACE COURSE, MIX "D", IL-9.5, N50, 1.5"
  HMA BINDER COURSE, IL-9.5, N50, 1.5"
  SUBBASE GRANULAR MATERIAL, TYPE C, 3"
- UNIT PAVER BRICKS
  PORTLAND CEMENT CONCRETE BASE COURSE, 8"
  SUBBASE GRANULAR MATERIAL, TYPE C, 8"

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THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

ROADWAY PLAN AND PROFILE

SCALE: 1"=20" | SHEET 6 OF 6 SHEETS | STA. 200+00.00 | TO STA. 206+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	27
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

MODEL: Default
FILE NAME: E:\2022\220160\Drawings\Mstn\CADD_Sheets\Project 1\AD1220160-sht-pltnurf-06.dgn

MAINTENANCE OF TRAFFIC NOTES

1. TYPE I OR II BARRICADES AND VERTICAL PANELS SHALL BE EQUIPPED WITH MONO-DIRECTIONAL STEADY BURN LIGHTS AND SHALL BE PLACED AT A MAXIMUM OF 50 FOOT INTERVALS ALONG THE PROPOSED WORK ZONE, 25 FOOT INTERVALS IN TAPER SECTIONS, AND 10 FOOT INTERVALS AROUND RADII AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. BARRICADES WITH LEG EXTENSIONS SHALL BE USED WHERE NEEDED TO PROVIDE A MINIMUM DISTANCE OF 36" BETWEEN THE PAVEMENT AND TOP OF BARRICADE. BARRICADE IN TAPER SECTIONS SHALL HAVE DIRECTION INDICATOR PANELS.

2. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES AND SIDE ROADS DURING CONSTRUCTION OPERATIONS. A QUANTITY OF 'AGGREGATE FOR TEMPORARY ACCESS" HAS BEEN INCLUDED IN THE CONTRACT FOR THIS PURPOSE.

3. ADVANCE WARNING SIGNS SHALL BE MAINTAINED THROUGH ALL STAGES OF CONSTRUCTION.

4. THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY CHANGE IN STAGING AT LEAST TWO (2) WORKING DAYS IN ADVANCE.

5. THE TEMPORARY TRAFFIC SIGNAL AT THE INTERSECTION OF RIVER ROAD SHALL BE OPERATIONAL PRIOR TO STAGE 1 CONSTRUCTION COMMENCING.

6. THE CONTRACTOR SHALL NOTIFY ALL MUNICIPALITIES, EMERGENCY SERVICES, AND SCHOOL DISTRICTS THAT WILL BE AFFECTED BY ANY ROAD CLOSURES OR DETOURS 72 HOURS PRIOR TO THEIR IMPLEMENTATION.

7. THE CONTRACTOR SHALL BE REQUIRED TO REMOVE ALL EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH THE DESIGNATED TRAFFIC CONTROL PLAN. THIS WORK SHALL BE PAID FOR AS "PAVEMENT MARKING REMOVAL" PER SQUARE FOOT.

8. REMOVAL OF TEMPORARY PAVEMENT MARKINGS WHERE REQUIRED SHALL BE PAID FOR AS "SHORT TERM PAVEMENT MARKING REMOVAL". SHORT TERM PAVEMENT MARKING SHALL BE USED AFTER MILLING, BINDER COURSE AND SURFACE COURSE.

9. ARROW BOARDS WILL BE REQUIRED WHEN IMPLEMENTING ALL LANE CLOSURES, AND SHALL BE CONSIDERED AS PART OF THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".

10. DAILY LANE CLOSURES OF ONE THRU TRAFFIC LANE ON THEODORE STREET FOR ANY REASON SHALL BE RESTRICTED TO THE WEEKDAY HOURS OF 9:00 AM TO 3:30 PM UNLESS OTHERWISE ALLOWED BY THE ENGINEER.

11. THE CONTRACTOR SHALL MAINTAIN DRAINAGE OF THE ROADWAY DURING ALL STAGES OF CONSTRUCTION.

12. TYPE III BARRICADES ARE TO BE PLACED IN ACCORDANCE WITH STANDARD 701901-08 UNLESS AUTHORIZED BY THE ENGINEER TO USE AN ALTERNATE ARRANGEMENT. BARRICADES ARE TO BE INCIDENTAL TO "TRAFFIC CONTROL PROTECTION (SPECIAL)". ALL TYPE III BARRICADES SHALL HAVE TWO (2) FLASHING AMBER LIGHTS.

13. THE FIRST TWO WARNING SIGNS IN EACH DIRECTION OF TRAVEL SHALL BE EQUIPPED WITH HIGH-INTENSITY MONO-DIRECTIONAL AMBER FLASHING LIGHTS DURING HOURS OF DARKNESS. FLAGS ARE OPTIONAL.

14. "WORKERS" SIGNS SHALL ONLY BE ERECTED WHEN WORKERS ARE PRESENT. SIGNS MUST BE COVERED OR REMOVED WHEN NO WORKERS ARE PRESENT.

15. A QUANTITY FOR "CHANGEABLE MESSAGE SIGN" HAS BEEN INCLUDED FOR USE WHEN DIRECTED BY THE ENGINEER.

16. ALL PERSONNEL WORKING OUTSIDE A VEHICLE WITHIN THE PUBLIC RIGHT-OF-WAY MUST BE WEARING A GARMENT THAT MEETS ANSI CLASS 2 REQUIREMENTS, OR CLASS 3 REQUIREMENTS FOR NIGHT OPERATIONS.

17. FLAGGERS MUST BE CERTIFIED AND CARRY THEIR CERTIFICATION CARD ON THEM WHEN WORKING, PROPER STOP/SLOW PADDLES MUST BE UTILIZED AND ALL REQUIRED SAFETY GARMENTS MUST BE WORN ON THE JOB SITE. "FLAGGER" WARNING SIGNS MUST BE IN PLACE WHENEVER FLAGGERS ARE PRESENT. THESE SIGNS MUST BE COVERED OR REMOVED WHEN NOT APPLICABLE.

18. "CAUTION" TAPE OR RIBBON IS NOT TO BE USED BETWEEN BARRICADES.

19. HOT-MIX ASPHALT PAVEMENT NECESSARY DURING MAINTENANCE OF TRAFFIC CONSTRUCTION OPERATIONS IS TO BE MIX "D", N50 AND IS TO BE PAID FOR AS TEMPORARY RAMP (40600900).

20. ANY DROP OFF GREATER THEN THREE (3) INCHES WITHIN SIXTEEN (16 FEET OF A TRAVEL LANE SHALL BE PROTECTED BY TYPE I OR TYPE II BARRICADES, DRUMS OR VERTICAL PANELS WITH MONODIRECTIONAL STEADY-BURN LIGHTS AT 50 FOOT (MAXIMUM) CENTER TO CENTER SPACING, IF THE DROP OFF IS GREATER THAN TWENTY-FOUR (24) INCHES AND EXISTS FOR LONGER THAN 24 HOURS, IT SHALL BE PROTECTED BY TEMPORARY CONCRETE BARRIER. TEMPORARY CONCRETE BARRIER SHALL HAVE MONODIRECTIONAL STEADY-BURN LIGHTS AT 50 FOOT (MAXIMUM) CENTER TO CENTER SPACING. THE CONTRACTOR SHALL SCHEDULE HIS WORK AND OPERATIONS SUCH THAT A DROP OFF OF GREATER THAN 24 INCHES DOES NOT REMAIN WITHIN SIXTEEN FEET OF A TRAVEL LANE FOR MORE THAN 24 HOURS. THE CONTRACTOR MAY PLACE COMPACTED EXCAVATED MATERIAL, AGGREGATE, OR OTHER MATERIAL IN THE DROP OFF TO SATISFY THIS REQUIREMENT. THE PLANS INDICATE AREAS (IF ANY) IN WHICH THE DEPARTMENT EXPECTS THAT TEMPORARY CONCRETE BARRIER WILL BE REQUIRED FOR A DROP OFF OF GREATER IMPACT ATTENUATORS NOT SHOWN ON THE PLANS BUT REQUIRED IN ORDER TO MEET THESE REQUIREMENTS, SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).

21. TYPE I OR TYPE II BARRICADES WITH TWO-WAY FLASHING LIGHTS SHALL BE REQUIRED AT ALL OPEN TRENCHES, EXCAVATIONS, OPEN OR EXPOSED SEWER STRUCTURES, TRANSVERSE PAVEMENT JOINTS, MATERIALS OR EQUIPMENT WITHIN THE RIGHT-OF-WAY (NUMBER AND SPACING DEPENDS ON THE CONDITIONS); AND AT LOCATIONS DESIGNATED BY THE ENGINEER OR LOCAL LAW ENFORCEMENT AGENCIES.

22. TYPE I, II, AND / OR III BARRICADES WITH TWO-WAY FLASHING LIGHTS WILL BE REQUIRED TO GUIDE TRAFFIC AWAY FROM PAVEMENT AREAS CLOSED FOR CONSTRUCTION.

23. THE COST OF SUPPLYING, ERECTING, AND MAINTAINING BARRICADES, WARNING LIGHTS, AND SIGNS WILL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).

24. WHEN REQUIRED, TRAFFIC SIGNS SHALL BE RELOCATED FROM EACH STAGE OF CONSTRUCTION AS PART OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).

25. CONTRACTOR TO REMOVE THE REFLECTORS FROM ALL RAISED REFLECTIVE PAVEMENT MARKERS THAT WILL BE IN CONFLICT WITH STAGING. THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).

26. CONTRACTOR TO INSTALL CHANNELIZED BARRIERS OR TEMPORARY FENCE TO DIRECT PEDESTRIANS THROUGH THE CONSTRUCTION AREAS WHERE TEMP SIDEWALK HAS BEEN INSTALLED THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE FOR TEMPORARY SIDEWALK. THE USE OF THE FENCE OR BARRIERS ARE UP TO THE ENGINEERS DISCRETION.

MODEL: Default
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PLOT DATE = 12/6/2023	DATE -	REVISED -

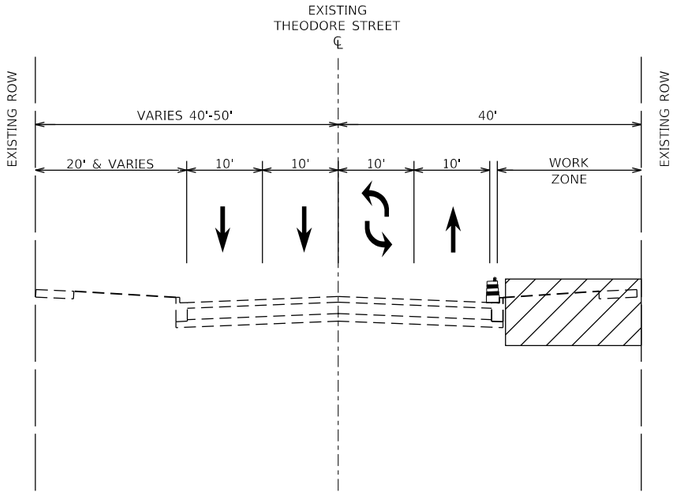
THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

MAINTENANCE OF TRAFFIC GENERAL NOTES

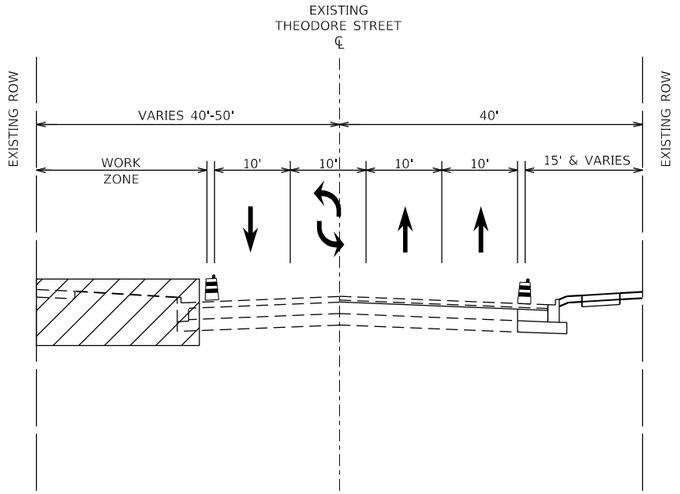
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	28
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



SUGGESTED STAGE 1 TYPICAL SECTION
THEODORE ST

STA 525+64.46 TO STA 547+07.20



SUGGESTED STAGE 2 TYPICAL SECTION
THEODORE ST

STA 525+64.46 TO STA 547+07.20

MOT SYMBOL LEGEND

- STAGE PAVEMENT WORK AREA
- DIRECTION OF TRAFFIC
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING LIGHTS AT 50 FT CENTERS AND 25 FT SPACING ON TAPERS

PRE-STAGE CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL INSTALL TEMPORARY SIGNALS FOR STAGE 1 DURING THIS STAGE ALONG RIVER ROAD.FLAGGERS SHALL BE USED AS NECESSARY.

STAGE 1 CONSTRUCTION NOTES

1. STAGE 1 FOR THEODORE STREET SHALL CONSIST OF THE REMOVAL OF CURB & GUTTER AND TOPSOIL/VEGETATION ALONG THE NORTH AND SOUTH SIDE OF THEODORE STREET. THE CONTRACTOR THEN SHALL CONSTRUCT THE OUTSIDE LANE ALONG WITH NEW TOPSOIL/SIDEWALK. PROPOSED STORM SEWER TRUNK LINE AND STORM LATERALS SHALL BE INSTALLED TO THE CENETER OF THE EXISTING ROAD.LANE CLOSURE PER HIGHWAY STANDARD 701501. FLAGGERS SHALL BE USED AS NEEDED.
2. STAGE 1 FOR WESMERE PARKWAY AND RIVER ROAD SHALL CONSIST OF THE REMOVAL OF CURB AND GUTTER, TOPSOIL/VEGETATION, AND SIDEWALK ON SOUTH SIDES OF THE ROAD. THE CONTRACTOR SHALL THEN CONSTRUCT THE OUTSIDE LANE ALONG WITH THE PROPOSED SIDEWALK AND STORM SEWER TO THE CENTER OF THEODORE STREET. LANE CLOSURE PER HIGHWAY STANDARD 701501. FLAGGERS SHALL BE USED AS NEEDED.
3. THE CONTRACTOR SHALL INSTALL THE PROPOSED LIGHTING DURING THIS STAGE.
4. THE CONTRACTOR SHALL CONSTRUCT THE WIDEN OF PAVEMENT ALONG THEODORE STREET UP TO THE HOT-MIX ASPHALT BASE COURSE.
5. ALL SIGNAGE SHALL BE KNOCKED DOWN OR TURNED AWAY WHEN ALL LANES OF TRAFFIC ARE OPENED AT THE END OF WORK DAY AND WORKERS ARE NOT PRESENT.
6. THE CONTRACTOR SHALL POUR THE TRAFFIC SIGNAL FOUNDATIONS AND INSTALL CONDUIT FOR THE SOUTH SIDE OF ROAD IN THIS STAGE.
7. ALL WORK SHALL BE PERFORMED WITH DAILY LANE CLOSURES AND FOLLOW IDOT HIGHWAY STANDARD 701501-06. THE ROADWAY IS TO BE COMPLETELY OPEN TO TWO-WAY TRAFFIC AT THE END OF EACH WORK DAY DURING THIS STAGE. ANY HOLES OR DROP-OFFS SHALL BE FILLED AT THE END OF EACH WORK DAY. IF A LONGER CLOSURE IS REQUIRED CONTRACTOR IS TO COORDINATE WITH THE RESIDENT ENGINEER AND THE COUNTY AND PROVIDE A TRAFFIC MANAGEMENT PLAN TO REFLECT THE CHANGE. THE SECTIONS ON THIS PAGE ARE THE SUGGESTED CLOSURE CONFIGURATIONS.

STAGE 2 CONSTRUCTION NOTES

1. STAGE 2 FOR THEODORE STREET SHALL CONSISTS OF THE REMOVAL OF EXISTING LIGHTING. ONCE LIGHTING ON THE SOUTH IS FULLY OPERATIONAL.
2. ANY REMAINING DRAINAGE SHALL BE FULLY CONSTRUCTED. LANE CLOSURE PER HIGHWAY STANDARD 701501. FLAGGERS SHALL BE USED AS NEEDED.
3. ANY REMAINING TRAFFIC SIGNAL SHALL BE INSTALLED AT THE INTERSECTIONS ALONG THEODORE STREET AT WESMERE PARKWAY AND RIVER ROAD.
4. THE CONTRACTOR SHALL CONSTRUCT THE NORTH OF PAVEMENT ALONG THEODORE STREET UP TO THE HOT-MIX ASPHALT BASE COURSE.
5. ALL WORK SHALL BE PERFORMED WITH DAILY LANE CLOSURES AND FOLLOW IDOT HIGHWAY STANDARD 701501-06. THE ROADWAY IS TO BE COMPLETELY OPEN TO TWO-WAY TRAFFIC AT THE END OF EACH WORK DAY DURING THIS STAGE. ANY HOLES OR DROP-OFFS SHALL BE FILLED AT THE END OF EACH WORK DAY. IF A LONGER CLOSURE IS REQUIRED CONTRACTOR IS TO COORDINATE WITH THE RESIDENT ENGINEER AND THE COUNTY AND PROVIDE A TRAFFIC MANAGEMENT PLAN TO REFLECT THE CHANGE. THE SECTIONS ON THIS PAGE ARE THE SUGGESTED CLOSURE CONFIGURATIONS.

STAGE 3 CONSTRUCTION NOTES

1. DURING THIS FINAL STAGE CONTRACTOR SHALL USE DAILY LANE CLOSURES IN ORDER TO MILL THE EXISTING PAVEMENT AND PAVED THE FINAL HMA SURFACE AND HMA BINDER.
2. TURN ON NEW SIGNALS AND REMOVE TEMPORARY SIGNALS.
3. INSTALL PROPOSED PAVEMENT MARKINGS.
4. ANY LANDSCAPING NOT COMPLETED IN PREVIOUS STAGES SHALL BE FINALIZED IN THIS STAGE.

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THEODORE STREET WIDEN AND RESURFACE
JOLIET ILLINOIS

MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	29
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: E:\2022\220160\Dawings\Mstn\CADD_Sheets\Project IAID)220160-sht-MOT typicals-02.dgn

C-01:
PR 12" RCP STORM T/P = 616.70
PR 12" RCP STORM B/P = 615.37
EX 6" GAS T/P = 615.94
CONFLICT

C-02
PR 12" RCP STORM B/P = 615.31
EX 24" SAN T/P = 602.98

C-03
PR 12" RCP STORM T/P = 616.61
PR 12" RCP STORM B/P = 615.28
EX 36" DIP SAN FORCEMAIN, DEPTH UNKNOWN

#1022
STORM INLET
RIM 619.32
IE 15" RCP N, S 615.87

#3748
STORM INLET
RIM 621.51
IE 12" RCP S 617.51
IE 12" RCP N 617.61

#4617
STORM INLET
RIM 618.61
IE 12" RCP S 615.18
IE 12" RCP N 615.22

#1041
STORM INLET
RIM 618.64
IE 12" RCP N 615.04
IE 12" RCP S 615.09

EX ROW

CONNECT EX PIPE
TO PR STRUCTURE

BEGIN IMPROVEMENTS
STA. 523+02.93

S5-04 P5-04 S5-05 P5-05 S5-07 P5-07 S5-06 S6-07

THEODORE STREET

P5-03

623 524 525+00 526 527 528

36" SANITARY FORCEMAIN PER ATLAS

C-03

C-02

6" GASMAIN PER ATLAS

S5-01 P5-01 S5-02 P5-02 C-01 S5-03 S6-10 P6-10 S6-06

10" WATERMAIN PER ATLAS

EX ROW

MOVED FIRE HYDRANT
STA. 526+22.5, 33' RT

EX ROW

EX JOLIET EASEMENT

#3243
SANITARY MH
RIM 623.25
IE 12" PVC W 603.15
IE 12" PVC NE 603.10

#3263
SANITARY MH
RIM 622.98
IE 6" PVC SE, E 602.28

#1046
STORM MANHOLE
RIM 623.35
IE 12" RCP S 612.67

#3268
SANITARY MH
RIM 622.69
IE 6" PVC S 602.09
IE 6" PVC E, W 601.59

#3635
STORM INLET
RIM 621.61
IE 12" RCP N 618.61

EX ROADWAY AND UTILITIES EASEMENT

#3561
STORM INLET
RIM 618.61
IE 12" RCP N 615.86

#3548
SANITARY MH
RIM 618.41
IE 12" RCP S 601.26
IE 24" RCP W 600.61
IE 24" RCP NE 600.76

MATCHLINE STA. 528+50.00 SEE SHEET 2 OF 6

N

1"=20' SCALE 0 20 40 60 FEET

PR ℄ THEODORE STREET
EX ℄ THEODORE STREET
S5-04 S5-05 S5-07 S5-06 S6-07
10-YR HGL
12" @ 0.61% (P5-04)
12" @ 0.61% (P5-05)
12" @ 0.59% (P5-07)
10-YR HGL

THEODORE STREET PROFILE NORTH SIDE

PR ℄ THEODORE STREET
EX ℄ THEODORE STREET
S5-01 S5-02 S5-03 S6-10 S6-06
10-YR HGL
12" @ 0.61% (P5-01)
12" @ 0.59% (P5-02)
10-YR HGL
12" @ 0.70% (P6-10)

THEODORE STREET PROFILE SOUTH SIDE

620 615 610

623.77 623.50 622.93 622.29 621.60 621.03 620.51 620.07 619.75 619.30 618.94 618.44 618.12

522+50 523+00 523+50 524+00 524+50 525+00 525+50 526+00 526+50 527+00 527+50 528+00 528+50

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THEODORE STREET WIDEN AND RESURFACE
JOLIET ILLINOIS

DRAINAGE PLAN AND PROFILE
SCALE: 1"=20' | SHEET 1 OF 6 SHEETS | STA. 522+50.00 TO STA. 528+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	30
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

C-04
PR 15" RCP STORM B/P = 614.18
EX 6" GAS LINE T/P = 613.26

C-05
PR 15" RCP STORM T/P = 615.77
PR 15" RCP STORM B/P = 614.15
EX 36" DIP SAN FORCEMAIN, DEPTH UNKNOWN

C-06
PR 15" RCP STORM T/P = 615.58
PR 15" RCP STORM B/P = 613.95
EX AT&T SIZE AND DEPTH UNKNOWN

C-09
PR 12" RCP STORM T/P = 615.85
PR 12" RCP STORM B/P = 614.52
EX AT&T SIZE AND DEPTH UNKNOWN

C-10
PR 12" RCP STORM B/P = 614.46
EX 18" SAN T/P = 601.73

C-11
PR 15" RCP STORM T/P = 615.96
PR 15" RCP STORM B/P = 614.33
EX 4" GAS LINE T/P = 614.75
CONFLICT

C-07:
PR 12" RCP STORM T/P = 615.51
PR 12" RCP STORM B/P = 614.17
EX 4" GAS LINE T/P = 615.18
CONFLICT

C-08
PR 12" RCP STORM T/P = 615.68
PR 12" RCP STORM B/P = 613.35
EX AT&T SIZE AND DEPTH UNKNOWN

MATCHLINE STA. 528+50.00 SEE SHEET 1 OF 6

MATCHLINE STA. 534+50.00 SEE SHEET 3 OF 6

MATCHLINE STA. 203+25.00 SEE SHEET 6 OF 6

MATCHLINE STA. 201+50.00 SEE SHEET 6 OF 6

#4336
STORM MH
RIM 618.32
IE 15' RCP S 614.79
IE 15" RCP N 614.12

#4335
STORM INLET
RIM 617.22
IE 12" RCP S 614.82
IE 15" RCP N 614.82

#4248
STORM INLET
RIM 617.51
IE 12" RCP E 614.06
IE 15" RCP N 614.06

#4183
STORM INLET
RIM 617.16
IE 12" RCP W 614.46

#4176
SANITARY MH
RIM 617.97
18" PVC W 600.17
18" PVC E 600.12

#4033
STORM INLET
RIM 617.11
IE 12" DIP N 615.21

#3827
STORM INLET
RIM 617.04
IE 12" RCP E 614.49

#4034
STORM INLET
RIM 617.27
IE 12" RCP W 613.57
IE 12" RCP S 613.52

CONNECT EX PIPE
TO PR STRUCTURE

MOVED FIRE HYDRANT
STA. 529+24.0, 33.33' RT

CONNECT PR PIPE
TO EX STRUCTURE

EX ROW

EX ROADWAY AND UTILITIES EASEMENT

EX EASEMENT

APPROX. AT&T PER ATLAS

36" SANITARY FORCEMAIN PER ATLAS

6" GASMAIN PER ATLAS

THEODORE STREET

WESMERE PARKWAY

P6-09 P6-07 P6-06 P6-04 P6-03 P6-08 P6-02 P6-01
P7-05 P7-04 P7-03 P7-02 P7-01 P7-06
P8-02 P8-04 P8-01 P8-05 P8-03
S6-05 S6-09 S6-04 S6-03 S6-08 S6-02 S6-01
S7-05 S7-04 S7-03 S7-02 S7-01 S7-06
S8-05 S8-02 S8-04 S8-01
C-04 C-05 C-06 C-07 C-08 C-09 C-10 C-11

529 530+00 531 532 533 534
202 203

N

1"=20' SCALE 0 20 40 60 FEET

PR ROW

PR ℄ THEODORE STREET
EX ℄ THEODORE STREET

10-YR HGL

12" @ 0.78% (P6-07)
15" @ 0.34% (P6-04)
12" @ 0.66% (P6-03)
12" @ 0.66% (P6-08)
15" @ 0.42% (P7-03)
12" @ 0.48% (P7-02)
12" @ 0.45% (P7-01)
12" @ 0.51% (P7-06)
18" @ 0.35% (P7-04)
12" @ 0.71% (P6-06)
12" @ 0.40% (P6-01)
12" @ 0.78% (P8-05)
12" @ 0.62% (P8-02)
12" @ 0.58% (P8-04)
12" @ 0.62% (P8-01)

THEODORE STREET PROFILE NORTH SIDE

THEODORE STREET PROFILE SOUTH SIDE

615
610
605

618.12 617.79 617.82 617.94 618.25 618.24 618.45 618.46 618.45 618.52 618.42 618.44 618.26 618.37 618.62 618.87 619.15

528+50 529+00 529+50 530+00 530+50 531+00 531+50 532+00 532+50 533+00 533+50 534+00 534+50

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THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

DRAINAGE PLAN AND PROFILE

SCALE: 1"=20' | SHEET 2 OF 7 SHEETS | STA. 528+50.00 | TO STA. 534+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	31
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

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C-12
PR 12" RCP STORM B/P = 615.81
EX 6" GAS T/P = 614.81

C-13
PR 12" RCP STORM B/P = 615.80
EX 36" DIP SAN FORCEMAIN DEPTH UNKNOWN

C-14
PR 12" RCP STORM T/P = 616.99
PR 12" RCP STORM B/P = 615.65
EX AT&T SIZE AND DEPTH UNKNOWN

C-15
PR 12" RCP STORM B/P = 614.98
EX 12" DIP WM APPROX. T/P = 613.78
ASSUMING 5' WM DEPTH

C-16
BTM OF S10-01 STR = 614.36
EX 6" GAS T/P = 614.01

C-18
PR 18" RCP STORM B/P = 614.44
EX 12" DIP WM, APPROX. T/P = 614.08
ASSUMING 5' WM DEPTH

C-19
PR 18" RCP STORM T/P = 616.35
PR 18" RCP STORM B/P = 614.44
EX AT&T SIZE AND DEPTH UNKNOWN

C-26
BTM OF S13-01 STR = 614.76
EX 6" GAS T/P = 615.37
CONFLICT

C-27
PR 15" RCP STORM T/P = 616.23
PR 15" RCP STORM B/P = 614.60
EX 12" DIP WM APPROX. T/P = 613.37
ASSUMING 5' WM DEPTH

C-28
PR 12" RCP STORM T/P = 616.24
PR 12" RCP STORM B/P = 614.90
EX AT&T SIZE AND DEPTH UNKNOWN

C-33
PR 15" RCP STORM B/P = 614.78
EX 36" DIP SAN FORCEMAIN DEPTH UNKNOWN

1"=20' SCALE 0 20 40 60 FEET

#5647
SANITARY MH
RIM 620.68
TOO DEEP NO VISIBLE PIPES
21" RCP W&E 588.28 PER PLANS DATED 1997

#5430
STORM INLET
RIM 618.21
IE 12" RCP NE, S 615.91

#1025
STORM INLET
RIM 618.12
IE 15" RCP N 615.57
IE 12" RCP SW 615.57

#6204
STORM INLET
RIM 618.04
IE 12" RCP S 614.84
IE 18" RCP NE 614.84

#6199
SANITARY MH
RIM 620.68
TOO DEEP NO VISIBLE PIPES
21" RCP W&E 587.85 PER PLANS DATED 1997

CONNECT EX PIPE TO PR STRUCTURE

MATCHLINE STA. 534+50.00 SEE SHEET 2 OF 6

MATCHLINE STA. 540+50.00 SEE SHEET 4 OF 6

EX ROW

APPROX. AT&T PER ATLAS

S9-05 C-14 S9-04 P9-04 P9-01 C-13 C-12 S9-01

THEODORE STREET

535+00 536 537 538 539 540+00

36" SANITARY FORCEMAIN PER ATLAS

EX ROW

#5298
STORM INLET
RIM 618.01
IE 12" DIP N 616.01

EX EASEMENT

#1027
STORM INLET
RIM 617.54
IE 10" RP NE 614.54
IE 12" RCP W 614.54

#5936
STORM INLET
RIM 618.09
IE 12" RCP SW 615.39

BEGIN PROJECT LIMITS
STA. 304+51.99

PR ROW

305+00

CONNECT EX PIPE TO PR STRUCTURE

S13-02 C-28 P13-01 C-15 S13-01 C-26

RIVER ROAD

EX EASEMENT

#6027
STORM INLET
RIM 617.96
IE 12" RCP
NE 615.76

CONNECT EX PIPE TO PR STRUCTURE
C-18/C-19
P10-09
S10-04
S10-03
S10-09
P10-03
C-27
P10-01
C-33
C-16
S10-01

N

THEODORE STREET PROFILE NORTH SIDE

PR ℄ THEODORE STREET
EX ℄ THEODORE STREET
10-YR HGL
S9-04
S10-03
S10-09
15" @ 0.50% (P10-03)

THEODORE STREET PROFILE SOUTH SIDE

PR ℄ THEODORE STREET
EX ℄ THEODORE STREET
10-YR HGL
S9-01
S13-02
S13-01
S10-01
12" @ 0.94%
(P13-01)
12" @ 0.60%
(P10-06)

620 615 610

534+50	535+00	535+00	535+50	536+00	536+50	537+00	537+50	538+00	538+50	539+00	539+50	540+00
619.15	619.26	619.26 / 619.27	619.15 / 619.14	618.91 / 618.91	618.86 / 618.81	618.87 / 618.87	619.04 / 619.05	619.23 / 619.23	619.41 / 619.41	619.34 / 619.44	619.17 / 619.16	618.63 / 618.73

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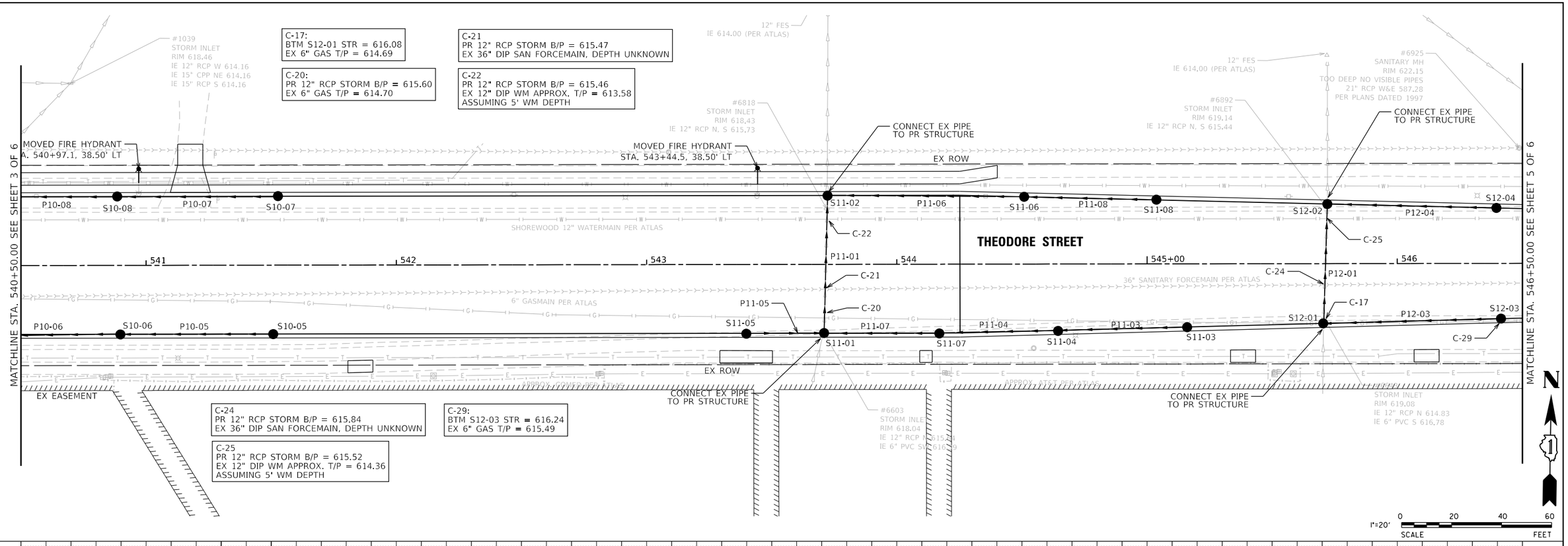
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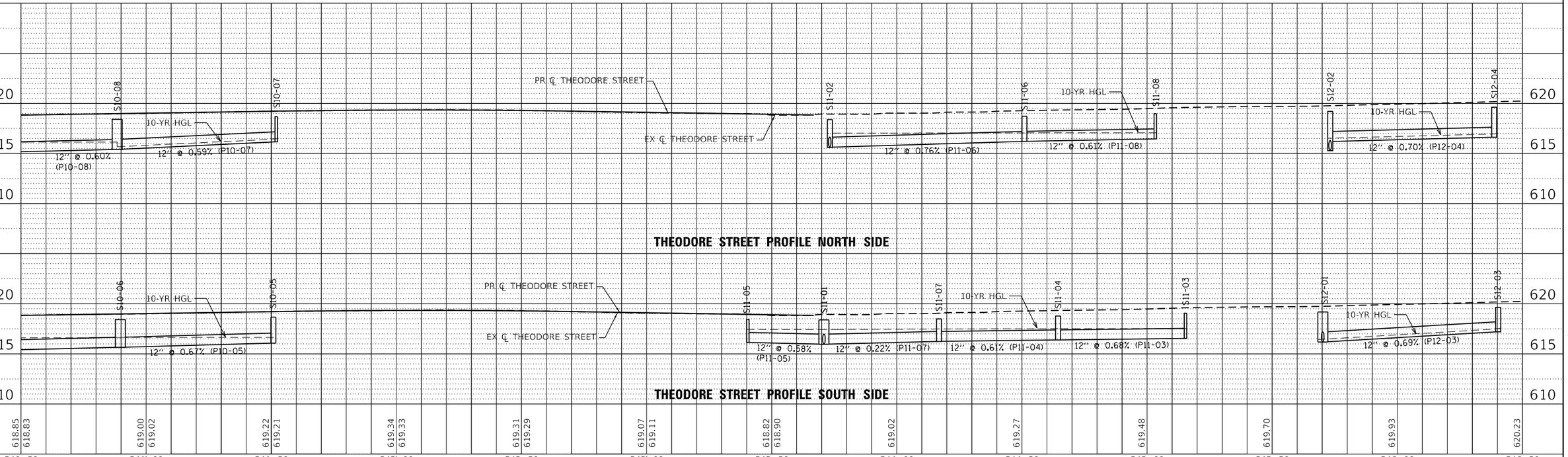
THEODORE STREET WIDEN AND RESURFACE
JOLIET ILLINOIS

DRAINAGE PLAN AND PROFILE
SCALE: 1"=20' | SHEET 3 OF 6 SHEETS | STA. 534+50.00 | TO STA. 540+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	32
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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	DRAWN - DRP	REVISED -
PLOT SCALE = 40'	CHECKED - KRC	REVISED -
PLOT DATE = 12/18/2023	DATE - 10/21/2020	REVISED -

THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

DRAINAGE PLAN AND PROFILE

SCALE: 1"=20' | SHEET 4 OF 6 SHEETS | STA. 540+50.00 | TO STA. 546+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	33
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

MATCHLINE STA. 546+50.00 SEE SHEET 4 OF 6

NGPL EASEMENT

KINDER MORGAN PIPELINES PER FIELD MARKINGS

APPROXIMATE FES LOCATION PER ATLAS

#6949
STORM MH
RIM 621.90
IE 12" RCP W,
E 612.04

#6951
STORM MH
RIM 621.30
IE 12" RCP W 613.09
IE 12" RCP E 612.09

12" FES
IE 610.50 (PER ATLAS)

#7898
STORM INLET
RIM 618.87
IE 12" RCP S 614.07
IE 12" RCP N 610.97

#7916
SANITARY MH
RIM 620.66
TOO DEEP NO VISIBLE PIPES

MOVED FIRE HYDRANT
STA. 546+61.0, 33.40' LT

EX ROW

END IMPROVEMENTS
STA. 546+87.55

THEODORE STREET

547 | 548 | 549 | 550+00 | 551 | 552

36" SANITARY FORCEMAIN PER ATLAS

8" GASMAIN PER ATLAS

#7277
SANITARY MH
RIM 619.77
NO VISIBLE PIPES
BOTTOM 605.12

#7307
STORM INLET
RIM 618.81
IE 12" RCP NE, E 615.76

GREEN TRAILS DRIVE

FP

#7393
STORM INLET
RIM 618.90
IE 12" RCP W 616.10

N

1"=20' SCALE 0 20 40 60 FEET

PR ℄ THEODORE STREET

EX ℄ THEODORE STREET

THEODORE STREET PROFILE NORTH SIDE

PR ℄ THEODORE STREET

EX ℄ THEODORE STREET

THEODORE STREET PROFILE SOUTH SIDE

620.23 | 620.54 | 620.77 | 620.74 | 620.55 | 620.28 | 620.03 | 619.77 | 619.48 | 619.50 | 619.75 | 619.98 | 620.15

546+50 | 547+00 | 547+50 | 548+00 | 548+50 | 549+00 | 549+50 | 550+00 | 550+50 | 551+00 | 551+50 | 552+00 | 552+50

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PLOT DATE = 12/18/2023	DATE - 10/21/2020	REVISED -

THEODORE STREET WIDEN AND RESURFACE

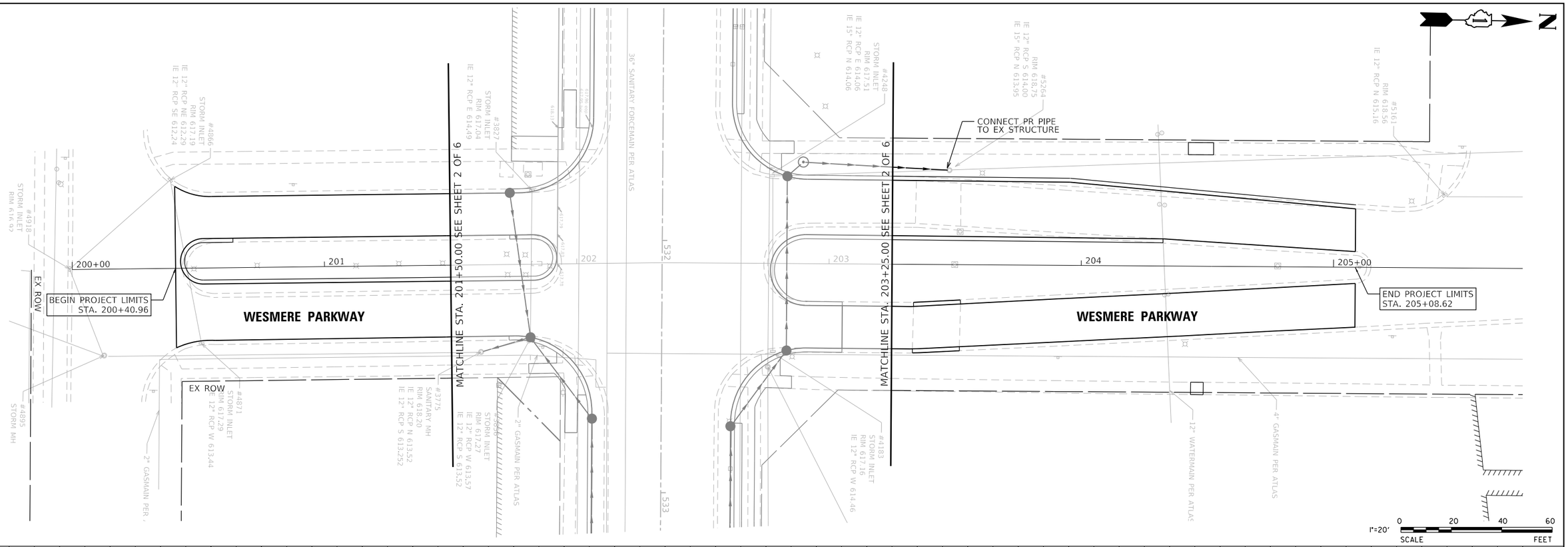
JOLIET ILLINOIS

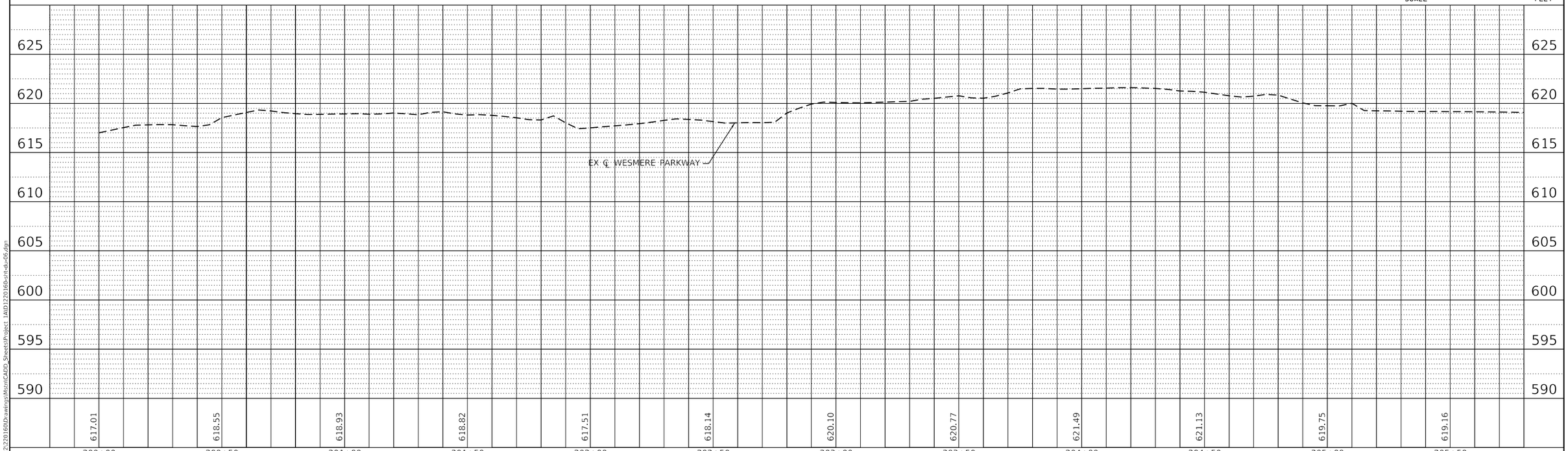
DRAINAGE PLAN AND PROFILE

SCALE: 1"=20' | SHEET 5 OF 6 SHEETS | STA. 546+50.00 | TO STA. 552+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	34
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

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	DRAWN - DRP	REVISED -
PLOT SCALE = 40'	CHECKED - KRC	REVISED -
PLOT DATE = 12/18/2023	DATE - 10/21/2020	REVISED -

THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

DRAINAGE PLAN AND PROFILE

SCALE: 1"=20' | SHEET 6 OF 6 SHEETS | STA. 200+00.00 TO STA. 206+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	35
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

STORM SEWER STRUCTURE SCHEDULE

STRUCTURE NO.	ALIGNMENT	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	RIM	INVERT & DIRECTION		INVERT & DIRECTION		INVERT & DIRECTION		INVERT & DIRECTION		NOTES
S5-01	THEODORE	525+67.82	27.50	INLET, TYPE A	TYPE 11 FRAME AND GRATE	619.79	616.71	E							
S5-02	THEODORE	526+32.98	27.50	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 11 FRAME AND GRATE	619.32	616.09	E	616.31	W					
S5-03	THEODORE	527+20.71	27.50	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 11 FRAME AND GRATE	618.58	615.57	W	615.57	N					
S5-04	THEODORE	525+67.69	-27.50	INLET, TYPE A	TYPE 11 FRAME AND GRATE	619.79	616.71	E							
S5-05	THEODORE	526+33.79	-27.50	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 11 FRAME AND GRATE	619.32	616.19	E	616.31	W					
S5-06	THEODORE	527+20.30	-27.50	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 11 FRAME AND GRATE	618.58	615.20	N	615.24	S	615.57	W			
S5-07	THEODORE	526+83.01	-27.50	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 11 FRAME AND GRATE	618.90	615.79	E	615.89	W					
S6-01	THEODORE	530+01.01	27.50	INLET, TYPE A	TYPE 11 FRAME AND GRATE	617.39	614.79	W							
S6-02	THEODORE	529+20.00	27.50	RESTRICTED DEPTH MANHOLE, 4'-DIAMETER	LOW PROFILE RESTRICTED DEPTH FRAME AND GRATE	617.24	614.38	N	614.47	E	614.42	W			1
S6-03	THEODORE	530+01.67	-27.50	RESTRICTED DEPTH MANHOLE, 4'-DIAMETER	LOW PROFILE RESTRICTED DEPTH FRAME AND GRATE	617.39	614.75	W	614.75	E					1
S6-04	THEODORE	529+20.00	-27.50	RESTRICTED DEPTH MANHOLE, 4'-DIAMETER	LOW PROFILE RESTRICTED DEPTH FRAME AND GRATE	617.24	614.21	W	614.21	S	614.21	E			1
S6-05	THEODORE	529+11.38	-36.06	MANHOLES, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	617.82	614.12	S	614.12 (EX)	N					
S6-06	THEODORE	528+35.16	27.50	RESTRICTED DEPTH MANHOLE, 4'-DIAMETER	LOW PROFILE RESTRICTED DEPTH FRAME AND GRATE	617.68	615.02	W	615.02	E					1
S6-07	THEODORE	528+22.60	-27.50	INLET, TYPE A	TYPE 11 FRAME AND GRATE	617.77	614.90	E							
S6-08	THEODORE	530+62.56	-27.50	INLET, TYPE A	TYPE 11 FRAME AND GRATE	617.76	615.15	W							
S6-09	THEODORE	529+11.26	-27.50	RESTRICTED DEPTH MANHOLE, 4'-DIAMETER	LOW PROFILE RESTRICTED DEPTH FRAME AND GRATE	617.19	614.18	E	614.18	N	614.21	W			1
S6-10	THEODORE	527+80.50	27.50	INLET, TYPE A	TYPE 11 FRAME AND GRATE	618.06	615.40	E							
S7-01	THEODORE	533+41.98	-27.50	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 11 FRAME AND GRATE	618.04	615.03	W	615.03	E					
S7-02	THEODORE	532+73.48	-27.50	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 11 FRAME AND GRATE	617.73	614.72	E	614.72	NW					
S7-03	WESMERE	202+83.35	34.50	CATCH BASINS, TYPE A, 4'-DIAMETER	LOW PROFILE RESTRICTED DEPTH FRAME AND GRATE	617.55	614.54	SE	614.52	W					1
S7-04	WESMERE	202+83.25	-34.58	CATCH BASINS, TYPE A, 4'-DIAMETER	LOW PROFILE RESTRICTED DEPTH FRAME AND GRATE	617.76	614.23	E	614.23	NW					1
S7-05	WESMERE	202+89.58	-40.23	MANHOLES, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	618.31	614.20	SE	614.2	N					
S7-06	THEODORE	534+27.98	-27.50	INLET, TYPE A	TYPE 11 FRAME AND GRATE	618.47	615.47	W							
S8-01	THEODORE	533+74.54	27.50	INLET, TYPE A	TYPE 11 FRAME AND GRATE	618.18	615.18	W							
S8-02	THEODORE	532+70.83	27.50	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 11 FRAME AND GRATE	617.72	614.56	SW	614.56	E					
S8-03	WESMERE	201+81.28	28.97	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 11 FRAME AND GRATE	617.33	614.31	NE	613.52	S	614.32	W			
S8-04	THEODORE	533+19.36	27.50	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 11 FRAME AND GRATE	617.93	614.84	W	614.84	E					
S8-05	WESMERE	201+73.79	-28.35	INLET, TYPE A	TYPE 11 FRAME AND GRATE	617.27	614.77	E							
S9-01	THEODORE	536+72.00	27.50	INLET, TYPE A	LOW PROFILE RESTRICTED DEPTH FRAME AND GRATE	618.26	616.01	N							1
S9-04	THEODORE	536+71.61	-27.50	INLET, TYPE A	LOW PROFILE RESTRICTED DEPTH FRAME AND GRATE	618.26	615.85	S	615.85	NE					1
S9-05	THEODORE	536+81.67	-37.17	MANHOLES, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	618.86	615.80	SW	615.80 (EX)	NE					
S10-01	THEODORE	540+07.53	28.69	CATCH BASINS, TYPE A, 4'-DIAMETER	LOW PROFILE RESTRICTED DEPTH FRAME AND GRATE	618.07	615.17	E	615.05	N					1
S10-03	THEODORE	540+21.33	-27.50	CATCH BASINS, TYPE A, 4'-DIAMETER	LOW PROFILE RESTRICTED DEPTH FRAME AND GRATE	618.17	614.76	S	614.76	E					1
S10-04	THEODORE	540+35.41	-37.23	MANHOLES, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	618.8	614.64	S	614.64 (EX)	NE					
S10-05	THEODORE	541+50.86	27.50	INLET, TYPE A	TYPE 11 FRAME AND GRATE	618.67	616.07	W							
S10-06	THEODORE	540+89.74	27.50	CATCH BASINS, TYPE A, 4'-DIAMETER	LOW PROFILE RESTRICTED DEPTH FRAME AND GRATE	618.43	615.66	E	615.66	W					1
S10-07	THEODORE	541+52.50	-27.50	INLET, TYPE A	TYPE 11 FRAME AND GRATE	618.67	615.68	W							
S10-08	THEODORE	540+88.45	-27.50	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 11 FRAME AND GRATE	618.43	615.30	W	615.30	E					
S10-09	THEODORE	540+35.37	-27.50	CATCH BASINS, TYPE A, 4'-DIAMETER	LOW PROFILE RESTRICTED DEPTH FRAME AND GRATE	618.22	614.69	W	614.98	E	614.69	N			1
S11-01	THEODORE	543+70.89	27.50	RESTRICTED DEPTH MANHOLE, 4'-DIAMETER	LOW PROFILE RESTRICTED DEPTH FRAME AND GRATE	618.39	615.80	E	615.80	W	615.80	N	616.39 (EX)	S	1
S11-02	THEODORE	543+72.26	-27.50	RESTRICTED DEPTH MANHOLE, 4'-DIAMETER	LOW PROFILE RESTRICTED DEPTH FRAME AND GRATE	618.39	615.61	S	615.61	E	615.61 (EX)	N			1
S11-03	THEODORE	545+15.91	25.23	INLET, TYPE A	TYPE 11 FRAME AND GRATE	619.10	616.54	W							
S11-04	THEODORE	544+64.42	26.52	RESTRICTED DEPTH MANHOLE, 4'-DIAMETER	LOW PROFILE RESTRICTED DEPTH FRAME AND GRATE	618.80	616.19	E	616.19	W					1
S11-05	THEODORE	543+39.96	27.50	INLET, TYPE A	LOW PROFILE RESTRICTED DEPTH FRAME AND GRATE	618.40	615.98	E							1
S11-06	THEODORE	544+50.96	-26.86	RESTRICTED DEPTH MANHOLE, 4'-DIAMETER	LOW PROFILE RESTRICTED DEPTH FRAME AND GRATE	618.73	616.13	W	616.13	E					1
S11-07	THEODORE	544+16.85	27.50	RESTRICTED DEPTH MANHOLE, 4'-DIAMETER	LOW PROFILE RESTRICTED DEPTH FRAME AND GRATE	618.49	615.90	E	615.9	W					1
S11-08	THEODORE	545+03.78	-25.54	INLET, TYPE A	TYPE 11 FRAME AND GRATE	619.00	616.45	W							
S12-01	THEODORE	545+70.39	23.87	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 11 FRAME AND GRATE	619.26	616.25	E	616.25	N	616.78 (EX)	S			
S12-02	THEODORE	545+72.09	-23.83	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 11 FRAME AND GRATE	619.27	615.29 (EX)	N	616.26	E	615.70	S			
S12-03	THEODORE	546+41.41	22.10	INLET, TYPE A	TYPE 11 FRAME AND GRATE	619.74	616.74	W							
S12-04	THEODORE	546+39.66	-22.14	INLET, TYPE A	TYPE 11 FRAME AND GRATE	619.73	616.73	W							
S13-01	RIVER	304+64.62	-21.58	INLET, TYPE A	TYPE 11 FRAME AND GRATE	618.26	615.26	SW							
S13-02	RIVER	304+59.12	-39.97	MANHOLES, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	619.67	615.08	NE	615.08 (EX)	W					

NOTES:

1. THESE LOCATIONS HAVE INSUFFICIENT COVER TO USE STANDARD IDOT STRUCTURES. SEE CONSTRUCTION DETAIL SHEETS FOR RESTRICTED DEPTH MANHOLE AND LOW PROFILE RESTRICTED DEPTH FRAME AND GRATE DETAILS.
2. FOR DRAINAGE STRUCTURES LOCATED WITHIN THE CURB AND GUTTER, THE STATION, OFFSET AND RIM ELEVATIONS ARE GIVEN AT THE EDGE OF PAVEMENT.
3. FOR STRUCTURES WITH TYPE 1 FRAME AND GRATES, THE STATION, OFFSET AND RIM ELEVATIONS ARE GIVEN AT THE CENTER OF THE STRUCTURE.

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www.v3co.com

USER NAME = cfigus	DESIGNED - BNP	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 2'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

DRAINAGE SCHEDULE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	36
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

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STORM SEWER PIPE SCHEDULE

PIPE ID	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	UPSTREAM INVERT	DOWNSTREAM INVERT	SLOPE (%)	LENGTH (FT)	DIAMETER (IN)	PAY ITEM NUMBER	ITEM	Trench Backfill (CY)
P5-01	S5-01	S5-02	616.71	616.31	0.61	61	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	3.66
P5-02	S5-02	S5-03	616.09	615.57	0.59	84	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	3.56
P5-03	S5-03	S5-06	615.57	615.24	0.60	51	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	4.18
P5-04	S5-04	S5-05	616.71	616.31	0.61	62	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	3.66
P5-05	S5-05	S5-07	616.19	615.89	0.61	45	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	3.96
P5-07	S5-07	S5-06	615.79	615.57	0.59	33	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	4.12
P6-01	S6-01	S6-02	614.79	614.47	0.40	78	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	2.42
P6-02	S6-02	S6-04	614.38	614.21	0.31	51	15	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	3.15
P6-03	S6-03	S6-04	614.75	614.21	0.66	78	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	2.85
P6-04	S6-04	S6-09	614.21	614.18	0.34	5	15	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	4.45
P6-06	S6-06	S6-02	615.02	614.42	0.71	82	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	2.52
P6-07	S6-07	S6-09	614.90	614.21	0.78	85	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	2.84
P6-08	S6-08	S6-03	615.15	614.75	0.66	58	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	2.55
P6-09	S6-09	S6-05	614.18	614.12	0.70	5	15	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	5.46
P6-10	S6-10	S6-06	615.40	615.02	0.70	53	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	2.73
P7-01	S7-01	S7-02	615.03	614.72	0.45	64	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	3.51
P7-02	S7-02	S7-03	614.72	614.54	0.48	33	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	0.00
P7-03	S7-03	S7-04	614.52	614.23	0.42	65	15	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	3.38
P7-04	S7-04	S7-05	614.23	614.20	0.35	4	18	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	5.83
P7-05	S7-05	EX STR	614.20	613.95	0.43	54	18	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	0.00
P7-06	S7-06	S7-01	615.47	615.03	0.51	83	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	3.25
P8-01	S8-01	S8-04	615.18	614.84	0.62	51	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	3.79
P8-02	S8-02	S8-03	614.56	614.31	0.62	36	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	4.17
P8-03	S8-03	EX STR	613.52	613.48	0.20	17	15	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	7.95
P8-04	S8-04	S8-02	614.84	614.56	0.58	45	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	4.14
P8-05	S8-05	S8-03	614.77	614.32	0.78	54	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	2.96
P9-01	S9-01	S9-04	616.01	615.85	0.29	52	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	1.79
P9-04	S9-04	S9-05	615.85	615.80	0.36	10	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	3.53
P10-01	S10-01	S10-03	615.05	614.76	0.50	53	15	550A2330	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	3.91
P10-03	S10-03	S10-09	614.76	614.69	0.50	10	15	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	5.71
P10-05	S10-05	S10-06	616.07	615.66	0.67	58	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	2.71
P10-06	S10-06	S10-01	615.66	615.17	0.60	78	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	2.83
P10-07	S10-07	S10-08	615.68	615.30	0.59	61	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	3.73
P10-08	S10-08	S10-09	615.30	614.98	0.60	49	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	4.25
P10-09	S10-09	S10-04	614.69	614.64	0.51	6	18	550A2340	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	7.12
P11-01	S11-01	S11-02	615.80	615.61	0.35	51	12	550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	2.80
P11-03	S11-03	S11-04	616.54	616.19	0.68	50	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	2.57
P11-04	S11-04	S11-07	616.19	615.90	0.61	46	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	2.66
P11-05	S11-05	S11-01	615.98	615.80	0.58	28	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	2.63
P11-06	S11-06	S11-02	616.13	615.61	0.66	76	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	2.46
P11-07	S11-07	S11-01	615.90	615.80	0.22	43	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	2.66
P11-08	S11-08	S11-06	616.45	616.13	0.61	51	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	2.51
P12-01	S12-01	S12-02	616.25	615.70	1.15	44	12	550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	4.51
P12-03	S12-03	S12-01	616.74	616.25	0.69	67	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	3.47
P12-04	S12-04	S12-02	616.73	616.26	0.70	64	12	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	3.53
P13-01	S13-01	S13-02	615.26	615.08	0.94	16	12	550A2520	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	6.46

NOTES:

1. STORM SEWER, RUBBER GASKET, CLASS A PIPES ARE USED WHERE STORM SEWERS CROSS WATERMAIN PIPES PER THE IDOT PLAN PREPARATION MEMORANDUM 50-01, ITEM 9, DATED APRIL 1, 2016.
2. FOR PIPES DESIGNATED AS STORM SEWER, RUBBER GASKET, USE RUBBER GASKET PIPE FOR A LENGTH OF 10 FEET ON EACH SIDE OF THE WATERMAIN CROSSING. USE STANDARD STORM SEWER CLASS A PIPE FOR THE REMAINING LENGTH.

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PLOT SCALE = 2'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

DRAINAGE SCHEDULE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	37
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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THEODORE STREET ADA RAMP ELEVATION TABLE

POINT NO.:	STATION	OFFSET	ELEVATION
1	528+44.85	34.78 RT	(618.63)
2	528+44.85	39.67 RT	(618.73)
3	528+54.85	39.71 RT	618.12
4	528+54.85	34.78 RT	618.02
5	528+54.85	33.58 RT	618.00
6	528+54.85	41.58 RT	618.16
7	528+58.83	41.58 RT	618.10
8	528+65.23	41.58 RT	618.01
9	528+59.85	33.58 RT	617.93
10	528+67.86	49.74 RT	(618.47)
11	528+80.13	49.74 RT	(618.46)
12	528+92.42	49.74 RT	(618.42)

THEODORE STREET ADA RAMP ELEVATION TABLE

POINT NO.:	STATION	OFFSET	ELEVATION
13	528+66.89	41.58 RT	617.99
14	528+62.15	33.58 RT	617.90
15	528+57.46	29.86 RT	617.63
16	528+57.40	27.50 RT	617.43
17	528+67.68	27.50 RT	617.38
18	528+80.13	27.50 RT	617.32
19	528+92.26	27.50 RT	617.28
20	529+02.68	27.50 RT	617.26
21	529+02.68	29.96 RT	617.35
22	528+67.68	33.58 RT	617.86
23	528+80.13	33.58 RT	617.78
24	528+92.26	33.58 RT	617.76

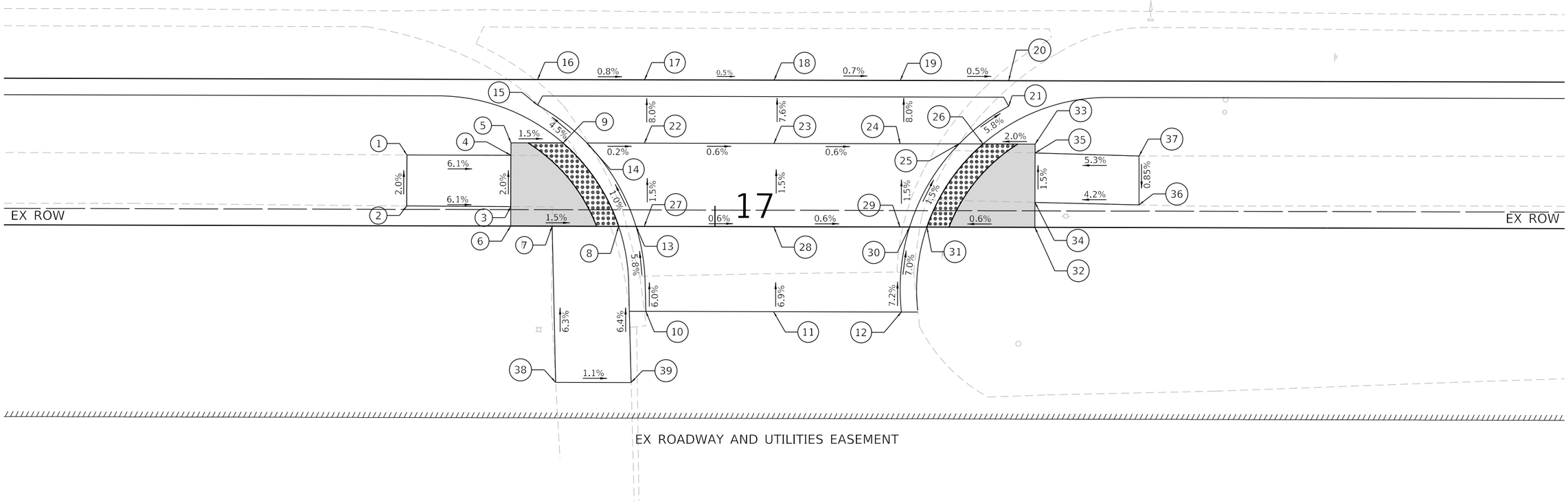
THEODORE STREET ADA RAMP ELEVATION TABLE

POINT NO.:	STATION	OFFSET	ELEVATION
25	528+97.93	33.58 RT	617.70
26	529+00.23	33.58 RT	617.69
27	528+67.68	41.58 RT	617.98
28	528+80.13	41.58 RT	617.90
29	528+92.26	41.58 RT	617.83
30	528+93.19	41.58 RT	617.84
31	528+94.85	41.58 RT	617.85
32	529+05.23	41.58 RT	617.91
33	529+05.23	33.58 RT	617.79
34	529+05.23	39.19 RT	617.87
35	529+05.23	34.44 RT	617.80
36	529+15.23	39.40 RT	(618.29)

THEODORE STREET ADA RAMP ELEVATION TABLE

POINT NO.:	STATION	OFFSET	ELEVATION
37	529+15.23	34.70 RT	(618.33)
38	528+59.21	56.58 RT	(619.05)
39	528+66.46	56.58 RT	(618.97)





GRADING LEGEND /ABBREVIATIONS

(XXX.XX)	EXISTING ELEVATIONS		DETECTABLE WARNING
XXX.XX	PROPOSED ELEVATIONS		LEVEL LANDING
1.80%	GRADING SLOPE		PROPOSED SIDE CURB

N

SCALE 1"=5' 0 5 10 15 FEET

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USER NAME = cfigus	DESIGNED - BNP	REVISED -	THEODORE STREET WIDEN AND RESURFACE	ADA GRADING PLAN	
	DRAWN - DRP	REVISED -			
PLOT SCALE = 10'	CHECKED - KRC	REVISED -			
PLOT DATE = 12/6/2023	DATE -	REVISED -	JOLIET ILLINOIS	SCALE: 1"=5' SHEET 1 OF 9 SHEETS STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	38
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

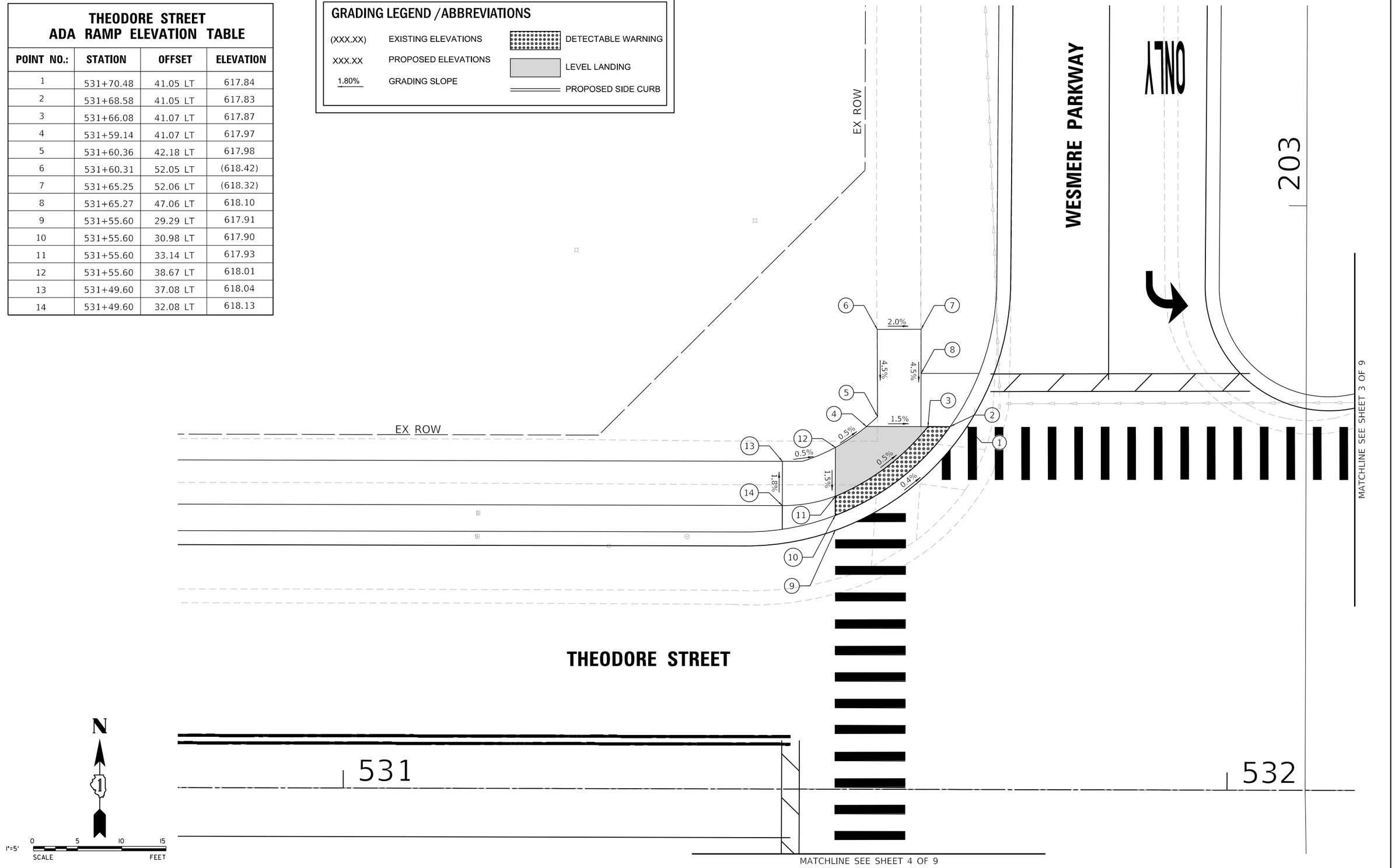
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THEODORE STREET
ADA RAMP ELEVATION TABLE

POINT NO.:	STATION	OFFSET	ELEVATION
1	531+70.48	41.05 LT	617.84
2	531+68.58	41.05 LT	617.83
3	531+66.08	41.07 LT	617.87
4	531+59.14	41.07 LT	617.97
5	531+60.36	42.18 LT	617.98
6	531+60.31	52.05 LT	(618.42)
7	531+65.25	52.06 LT	(618.32)
8	531+65.27	47.06 LT	618.10
9	531+55.60	29.29 LT	617.91
10	531+55.60	30.98 LT	617.90
11	531+55.60	33.14 LT	617.93
12	531+55.60	38.67 LT	618.01
13	531+49.60	37.08 LT	618.04
14	531+49.60	32.08 LT	618.13

GRADING LEGEND /ABBREVIATIONS

(XXX.XX)	EXISTING ELEVATIONS		DETECTABLE WARNING
XXX.XX	PROPOSED ELEVATIONS		LEVEL LANDING
1.80%	GRADING SLOPE		PROPOSED SIDE CURB



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USER NAME = cfigus	DESIGNED - BNP	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 10'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE
JOLIET ILLINOIS

ADA GRADING PLAN
SCALE: 1"=5' | SHEET 2 OF 9 SHEETS | STA. | TO STA.

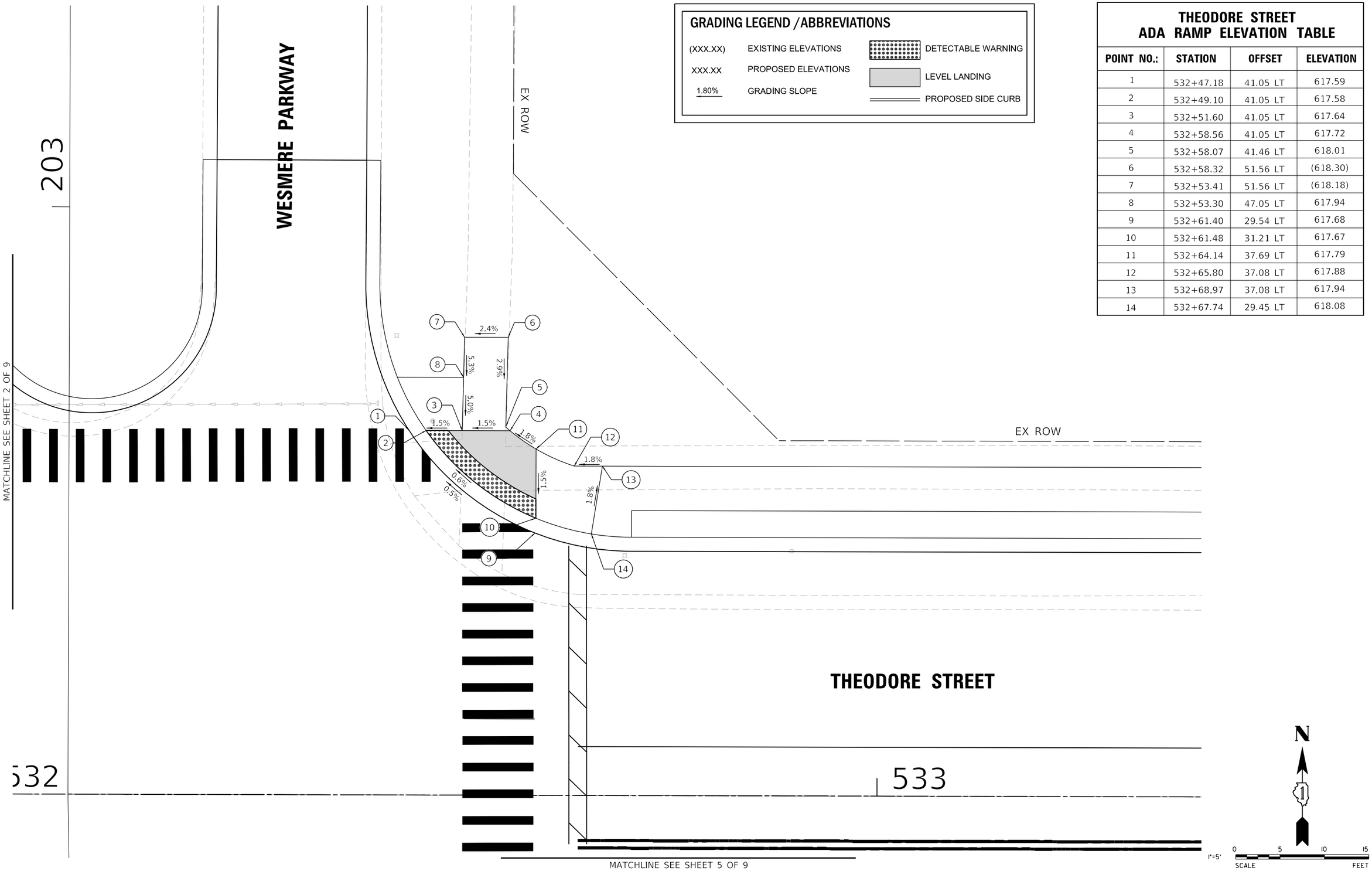
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	39
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

GRADING LEGEND / ABBREVIATIONS

(XXX.XX)	EXISTING ELEVATIONS		DETECTABLE WARNING
XXX.XX	PROPOSED ELEVATIONS		LEVEL LANDING
1.80%	GRADING SLOPE		PROPOSED SIDE CURB

THEODORE STREET
ADA RAMP ELEVATION TABLE

POINT NO.:	STATION	OFFSET	ELEVATION
1	532+47.18	41.05 LT	617.59
2	532+49.10	41.05 LT	617.58
3	532+51.60	41.05 LT	617.64
4	532+58.56	41.05 LT	617.72
5	532+58.07	41.46 LT	618.01
6	532+58.32	51.56 LT	(618.30)
7	532+53.41	51.56 LT	(618.18)
8	532+53.30	47.05 LT	617.94
9	532+61.40	29.54 LT	617.68
10	532+61.48	31.21 LT	617.67
11	532+64.14	37.69 LT	617.79
12	532+65.80	37.08 LT	617.88
13	532+68.97	37.08 LT	617.94
14	532+67.74	29.45 LT	618.08



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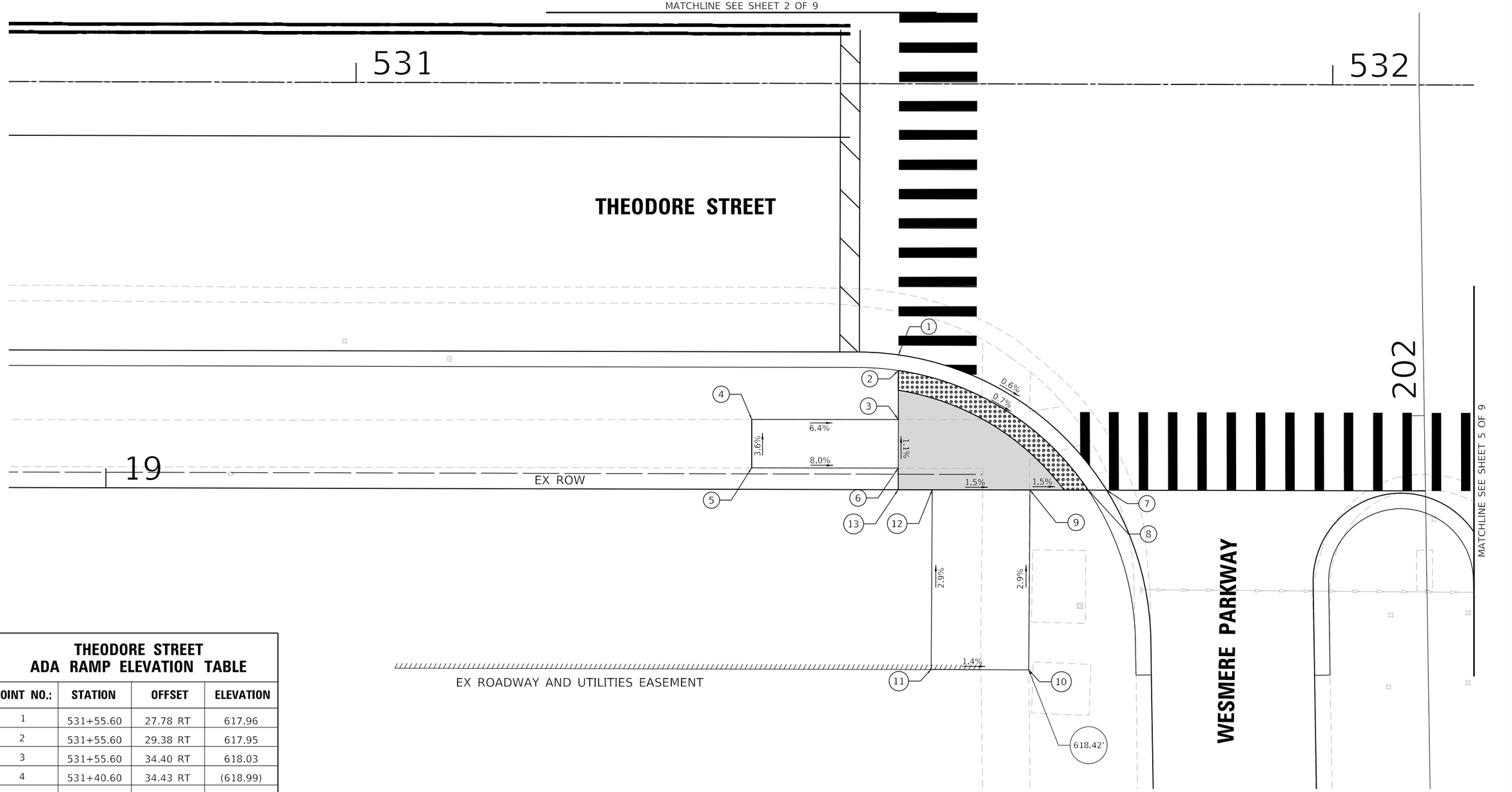
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PLOT SCALE = 10'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE
JOLIET ILLINOIS

ADA GRADING PLAN
SCALE: 1"=5' | SHEET 3 OF 9 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	40
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



THEODORE STREET ADA RAMP ELEVATION TABLE

POINT NO.:	STATION	OFFSET	ELEVATION
1	531+55.60	27.78 RT	617.96
2	531+55.60	29.38 RT	617.95
3	531+55.60	34.40 RT	618.03
4	531+40.60	34.43 RT	(618.99)
5	531+40.60	39.39 RT	(619.17)
6	531+55.60	39.38 RT	617.96
7	531+76.95	41.58 RT	617.80
8	531+75.06	41.58 RT	617.79
9	531+69.10	41.58 RT	617.88
10	531+69.02	60.02 RT	(618.42)
11	531+59.02	59.98 RT	618.56
12	531+59.10	41.58 RT	618.03
13	531+55.60	41.58 RT	618.09

GRADING LEGEND / ABBREVIATIONS

(XXX.XX)	EXISTING ELEVATIONS		DETECTABLE WARNING
XXX.XX	PROPOSED ELEVATIONS		LEVEL LANDING
1.80%	GRADING SLOPE		PROPOSED SIDE CURB

N

SCALE 1"=5' 0 5 10 15 FEET

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	DRAWN - DRP	REVISED -
PLOT SCALE = 10'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE
JOLIET ILLINOIS

ADA GRADING PLAN
SCALE: 1"=5' SHEET 4 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	41
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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N

1"=5'

0 5 10 15

SCALE FEET

MATCHLINE SEE SHEET 3 OF 9

533

THEODORE STREET

202

MATCHLINE SEE SHEET 4 OF 9

WESMERE PARKWAY

ONLY

EX ROW

PR ROW

EX EASEMENT

0.6%
0.6%
1.5%
6.7%
0.6%
3.1%
1.3%
7.5%
0.6%
1.5%
1.5%
5.0%
5.0%
1.0%
5.2%
6.8%
3.1%

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

GRADING LEGEND /ABBREVIATIONS

(XXX.XX)	EXISTING ELEVATIONS		DETECTABLE WARNING
XXX.XX	PROPOSED ELEVATIONS		LEVEL LANDING
1.80%	GRADING SLOPE		PROPOSED SIDE CURB

THEODORE STREET ADA RAMP ELEVATION TABLE

POINT NO.:	STATION	OFFSET	ELEVATION
1	532+42.81	41.58 RT	617.54
2	532+44.70	41.58 RT	617.53
3	532+47.16	41.58 RT	617.57
4	532+48.90	41.58 RT	617.59
5	532+53.91	41.58 RT	617.67
6	532+52.90	42.56 RT	617.68
7	532+53.02	47.61 RT	617.93
8	532+53.15	52.62 RT	(618.27)
9	532+49.20	52.58 RT	(618.15)
10	532+49.08	47.58 RT	617.89
11	532+61.44	28.28 RT	617.67
12	532+61.44	29.91 RT	617.66
13	532+61.44	33.20 RT	617.71
14	532+76.44	33.32 RT	(618.72)
15	532+76.43	38.18 RT	(618.87)
16	532+61.44	38.11 RT	617.74
17	532+59.17	38.10 RT	617.71

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	DRAWN - DRP	REVISED -
PLOT SCALE = 10'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE

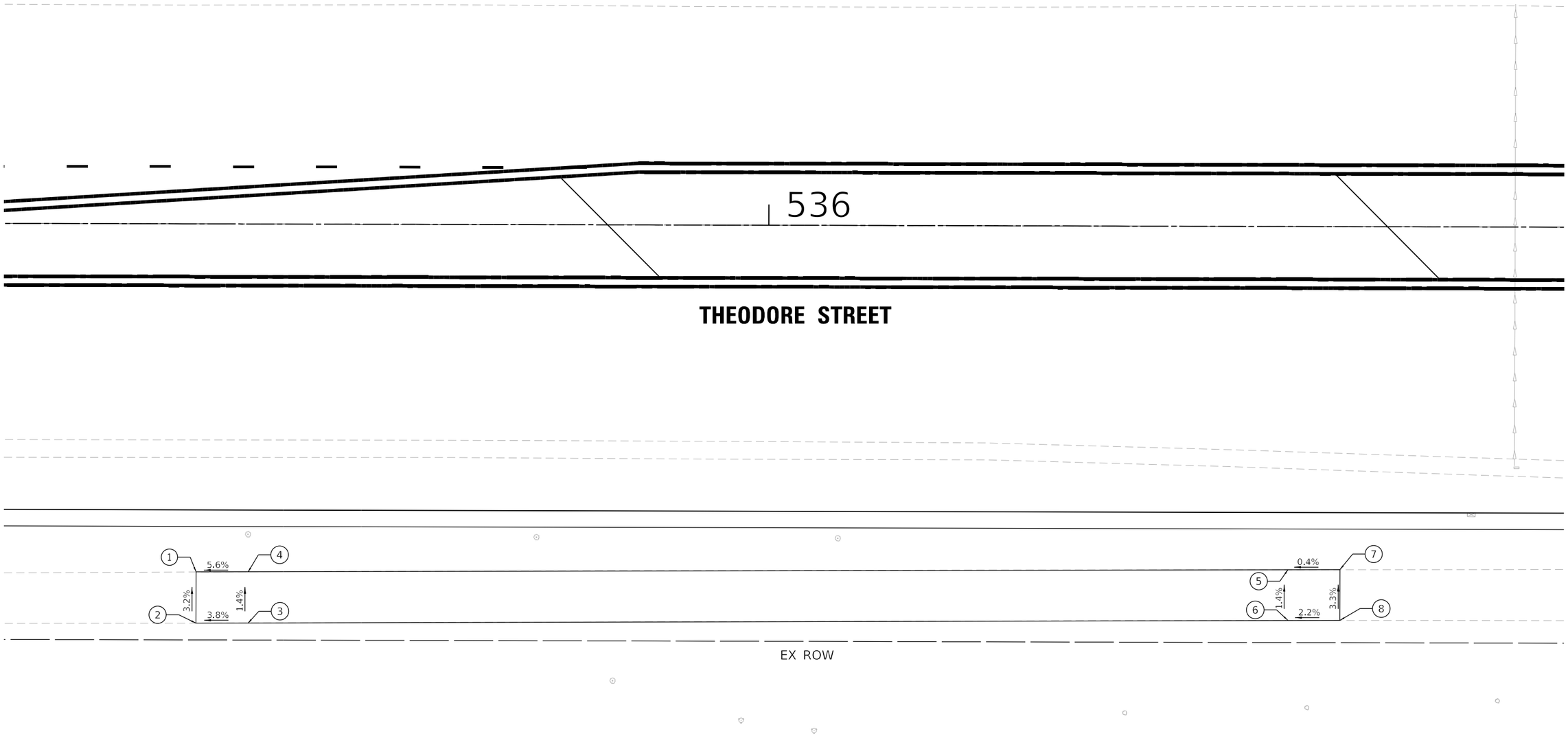
JOLIET ILLINOIS

ADA GRADING PLAN

SCALE: 1"=5' | SHEET 5 OF 9 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	42
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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THEODORE STREET
ADA RAMP ELEVATION TABLE

POINT NO.:	STATION	OFFSET	ELEVATION
1	535+45.00	33.46 RT	(619.84)
2	535+45.00	38.39 RT	(620.00)
3	535+50.02	38.37 RT	620.19
4	535+50.00	33.44 RT	620.12
5	536+50.00	32.99 RT	619.38
6	536+50.00	37.86 RT	619.45
7	536+50.00	32.99 RT	(619.40)
8	536+50.00	37.86 RT	(619.56)

GRADING LEGEND /ABBREVIATIONS

(XXX.XX)	EXISTING ELEVATIONS		DETECTABLE WARNING
XXX.XX	PROPOSED ELEVATIONS		LEVEL LANDING
1.80%	GRADING SLOPE		PROPOSED SIDE CURB

N

1"=5' SCALE 0 5 10 15 FEET

MODEL: Default
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	DRAWN - DRP	REVISED -
PLOT SCALE = 10'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE
JOLIET ILLINOIS

ADA GRADING PLAN
SCALE: 1"=5' | SHEET 6 OF 9 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	43
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

GRADING LEGEND /ABBREVIATIONS

(XXX.XX)	EXISTING ELEVATIONS		DETECTABLE WARNING
XXX.XX	PROPOSED ELEVATIONS		LEVEL LANDING
1.80%	GRADING SLOPE		PROPOSED SIDE CURB

THEODORE STREET ADA RAMP ELEVATION TABLE

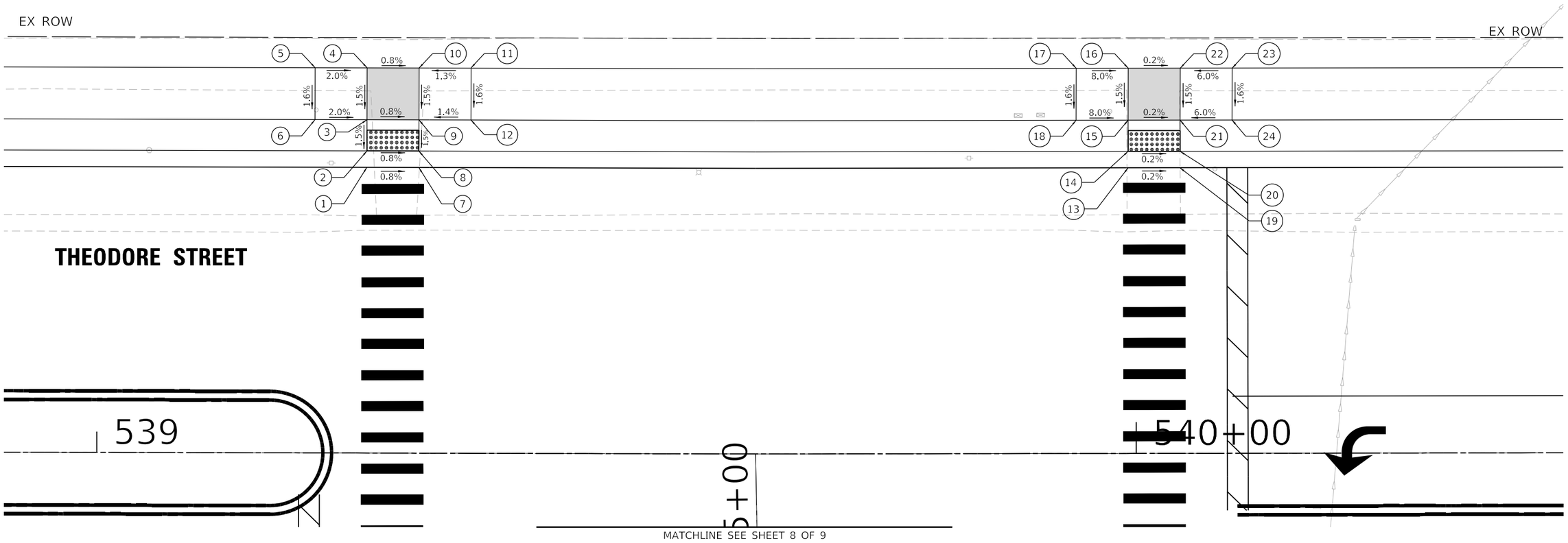
POINT NO.:	STATION	OFFSET	ELEVATION
1	539+25.92	27.50 LT	618.73
2	539+25.92	29.08 LT	618.72
3	539+25.92	32.08 LT	618.77
4	539+25.92	37.08 LT	618.85
5	539+20.92	37.08 LT	618.95
6	539+20.92	32.08 LT	618.87
7	539+30.92	27.50 LT	618.69
8	539+30.92	29.08 LT	618.68
9	539+30.92	32.08 LT	618.73
10	539+30.92	37.08 LT	618.81
11	539+35.92	37.08 LT	618.88
12	539+35.92	32.08 LT	618.80

THEODORE STREET ADA RAMP ELEVATION TABLE

POINT NO.:	STATION	OFFSET	ELEVATION
13	539+99.26	27.50 LT	618.18
14	539+99.26	29.08 LT	618.17
15	539+99.26	32.08 LT	618.22
16	539+99.30	37.08 LT	618.30
17	539+94.28	37.08 LT	618.70
18	539+94.26	32.08 LT	618.62
19	540+04.26	27.50 LT	618.17
20	540+04.26	29.08 LT	618.16
21	540+04.26	32.08 LT	618.21
22	540+04.28	37.08 LT	618.29
23	540+09.28	37.08 LT	618.59
24	540+09.26	37.08 LT	618.51

N

1"=5' SCALE 0 5 10 15 FEET



MODEL: Default
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USER NAME = cfigus	DESIGNED - BNP	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 10'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

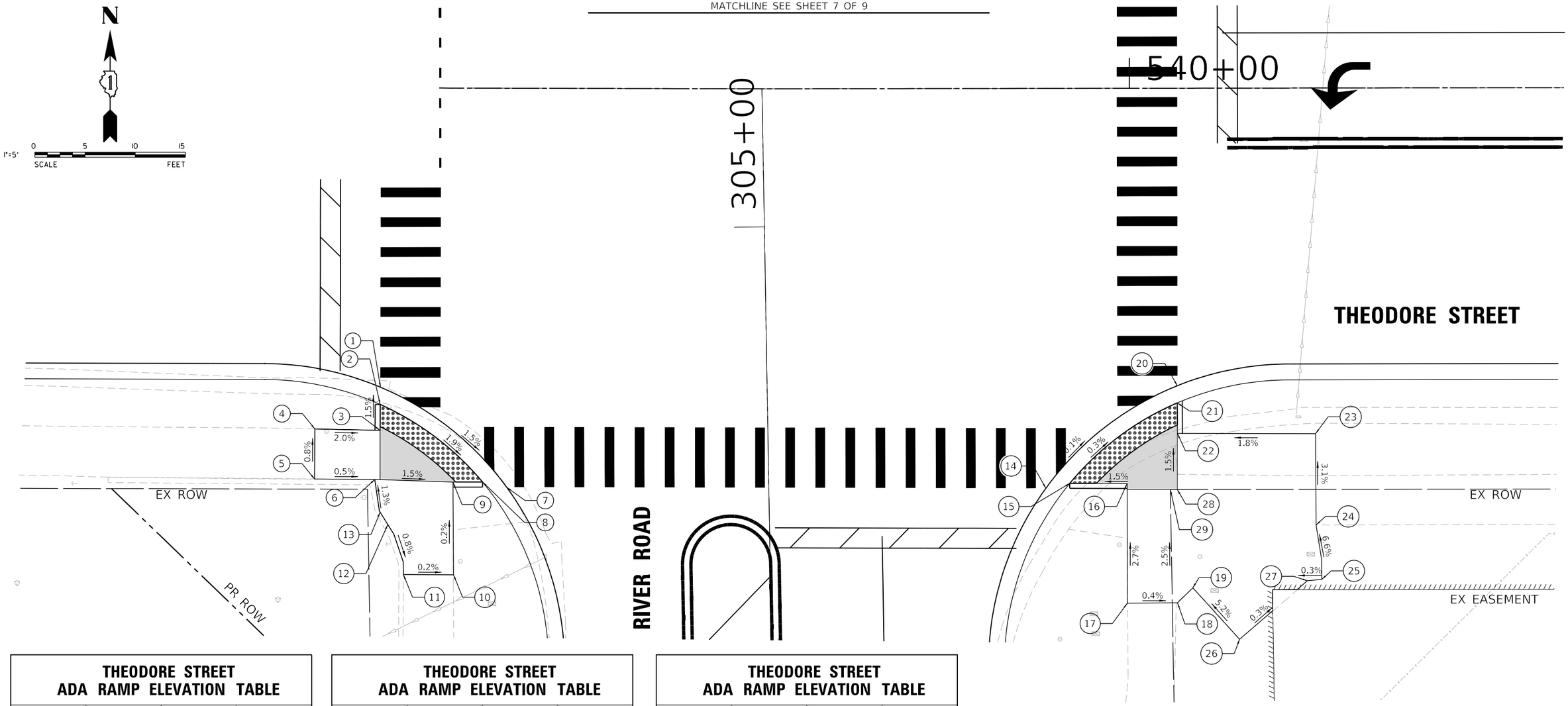
THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

ADA GRADING PLAN

SCALE: 1"=5' | SHEET 7 OF 9 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	44
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



THEODORE STREET ADA RAMP ELEVATION TABLE

POINT NO.:	STATION	OFFSET	ELEVATION
1	539+25.42	29.82 RT	618.74
2	539+25.42	31.54 RT	618.73
3	539+25.42	34.14 RT	618.77
4	539+18.92	34.01 RT	(618.64)
5	539+18.90	38.99 RT	(618.68)
6	539+24.91	39.03 RT	618.65
7	539+38.05	39.76 RT	618.50
8	539+35.65	39.26 RT	618.49
9	539+32.69	39.27 RT	618.53
10	539+32.77	48.51 RT	(618.55)
11	539+27.78	48.51 RT	(618.56)
12	539+26.21	43.50 RT	618.60
13	539+25.44	44.27 RT	618.69

THEODORE STREET ADA RAMP ELEVATION TABLE

POINT NO.:	STATION	OFFSET	ELEVATION
14	539+91.62	39.85 RT	618.15
15	539+94.00	39.36 RT	618.14
16	539+99.73	39.38 RT	618.23
17	539+99.73	51.32 RT	(618.55)
18	540+04.73	51.29 RT	(618.53)
19	540+06.25	49.80 RT	(618.71)
20	540+04.73	29.65 RT	618.14
21	540+04.73	31.36 RT	618.13
22	540+04.73	34.40 RT	618.18
23	540+18.51	34.45 RT	618.43
24	540+18.55	43.55 RT	(618.71)
25	540+19.11	48.98 RT	(619.07)
26	540+10.90	54.93 RT	(619.07)

THEODORE STREET ADA RAMP ELEVATION TABLE

POINT NO.:	STATION	OFFSET	ELEVATION
27	540+17.66	49.11 RT	619.04
28	540+04.72	40.00 RT	618.26
29	540+04.03	40.00 RT	618.25

GRADING LEGEND /ABBREVIATIONS

(XXX.XX)	EXISTING ELEVATIONS		DETECTABLE WARNING
XXX.XX	PROPOSED ELEVATIONS		LEVEL LANDING
1.80%	GRADING SLOPE		PROPOSED SIDE CURB

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	DRAWN - DRP	REVISED -
PLOT SCALE = 10'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

ADA GRADING PLAN

SCALE: 1"=5' | SHEET 8 OF 9 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	45
	CONTRACT NO.			
	ILLINOIS FED. AID PROJECT			

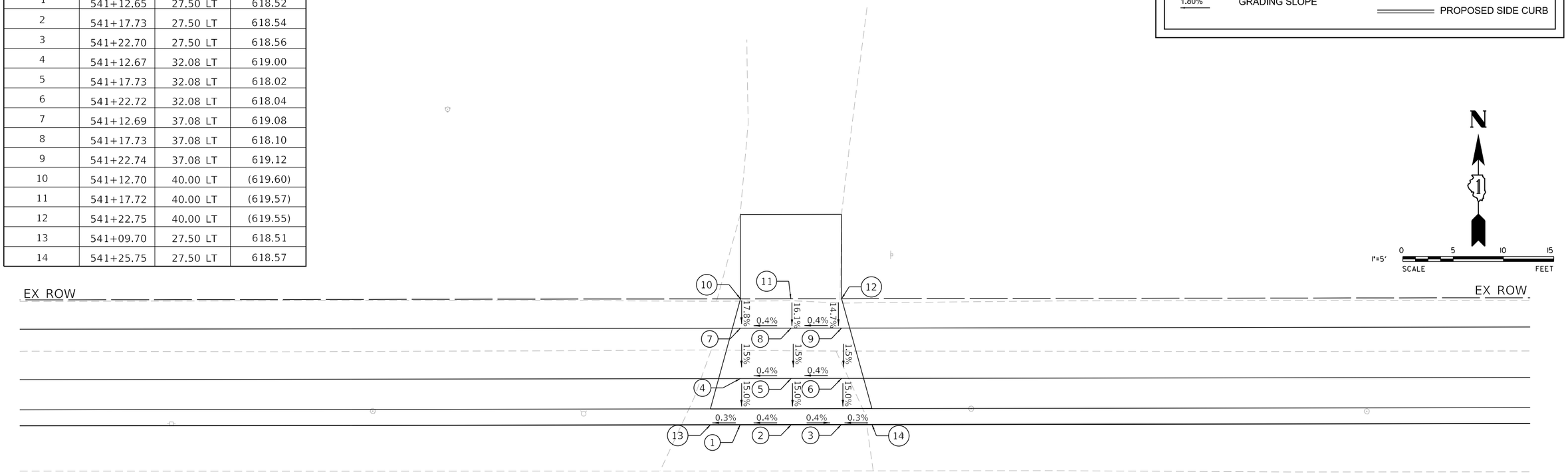
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THEODORE STREET
ADA RAMP ELEVATION TABLE

POINT NO.:	STATION	OFFSET	ELEVATION
1	541+12.65	27.50 LT	618.52
2	541+17.73	27.50 LT	618.54
3	541+22.70	27.50 LT	618.56
4	541+12.67	32.08 LT	619.00
5	541+17.73	32.08 LT	618.02
6	541+22.72	32.08 LT	618.04
7	541+12.69	37.08 LT	619.08
8	541+17.73	37.08 LT	618.10
9	541+22.74	37.08 LT	619.12
10	541+12.70	40.00 LT	(619.60)
11	541+17.72	40.00 LT	(619.57)
12	541+22.75	40.00 LT	(619.55)
13	541+09.70	27.50 LT	618.51
14	541+25.75	27.50 LT	618.57

GRADING LEGEND /ABBREVIATIONS

(XXX.XX)	EXISTING ELEVATIONS		DETECTABLE WARNING
XXX.XX	PROPOSED ELEVATIONS		LEVEL LANDING
1.80%	GRADING SLOPE		PROPOSED SIDE CURB



N

1"=5'

0 5 10 15

SCALE FEET

THEODORE STREET

541

ONLY

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	DRAWN - DRP	REVISED -
PLOT SCALE = 10'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

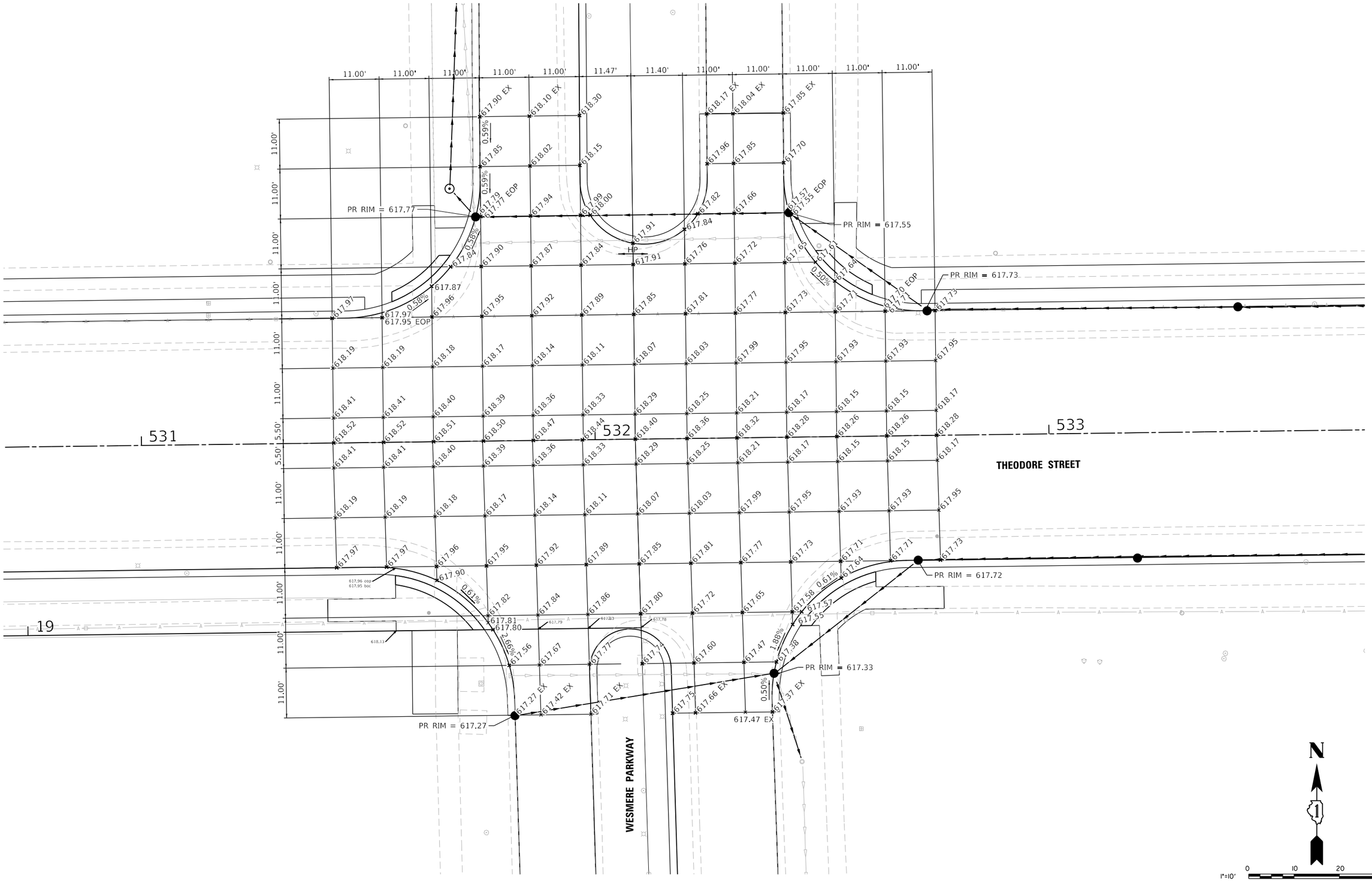
THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

ADA GRADING PLAN

SCALE: 1"=5' | SHEET 9 OF 9 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	46
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



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USER NAME = cfigus	DESIGNED - BNP	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 20'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

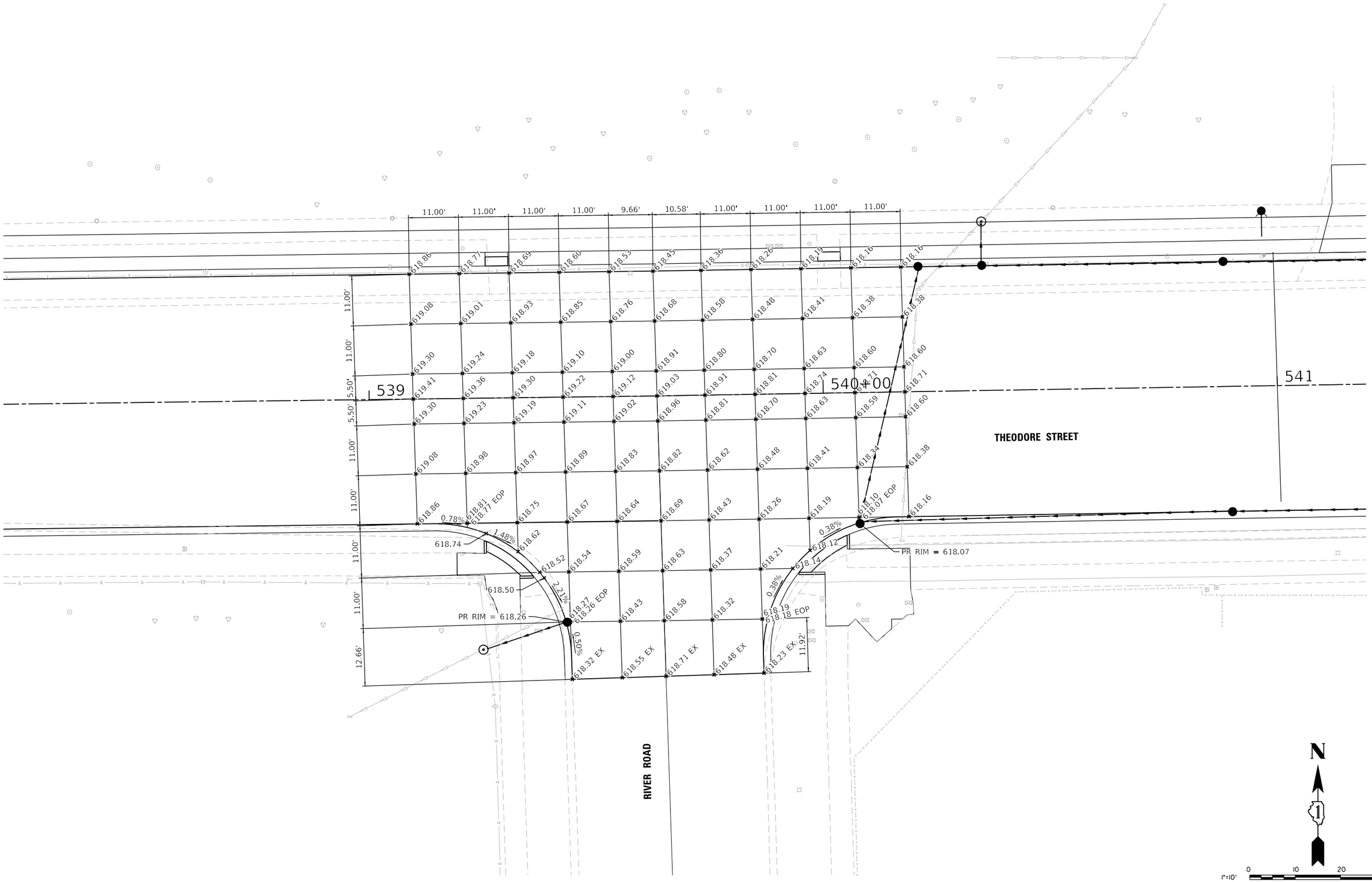
THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

INTERSECTION GRADING PLAN
THEODORE STREET AT WESMERE PARKWAY

SCALE: 1"=10' | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	47
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



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USER NAME = cfigus	DESIGNED - BNP	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 20'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

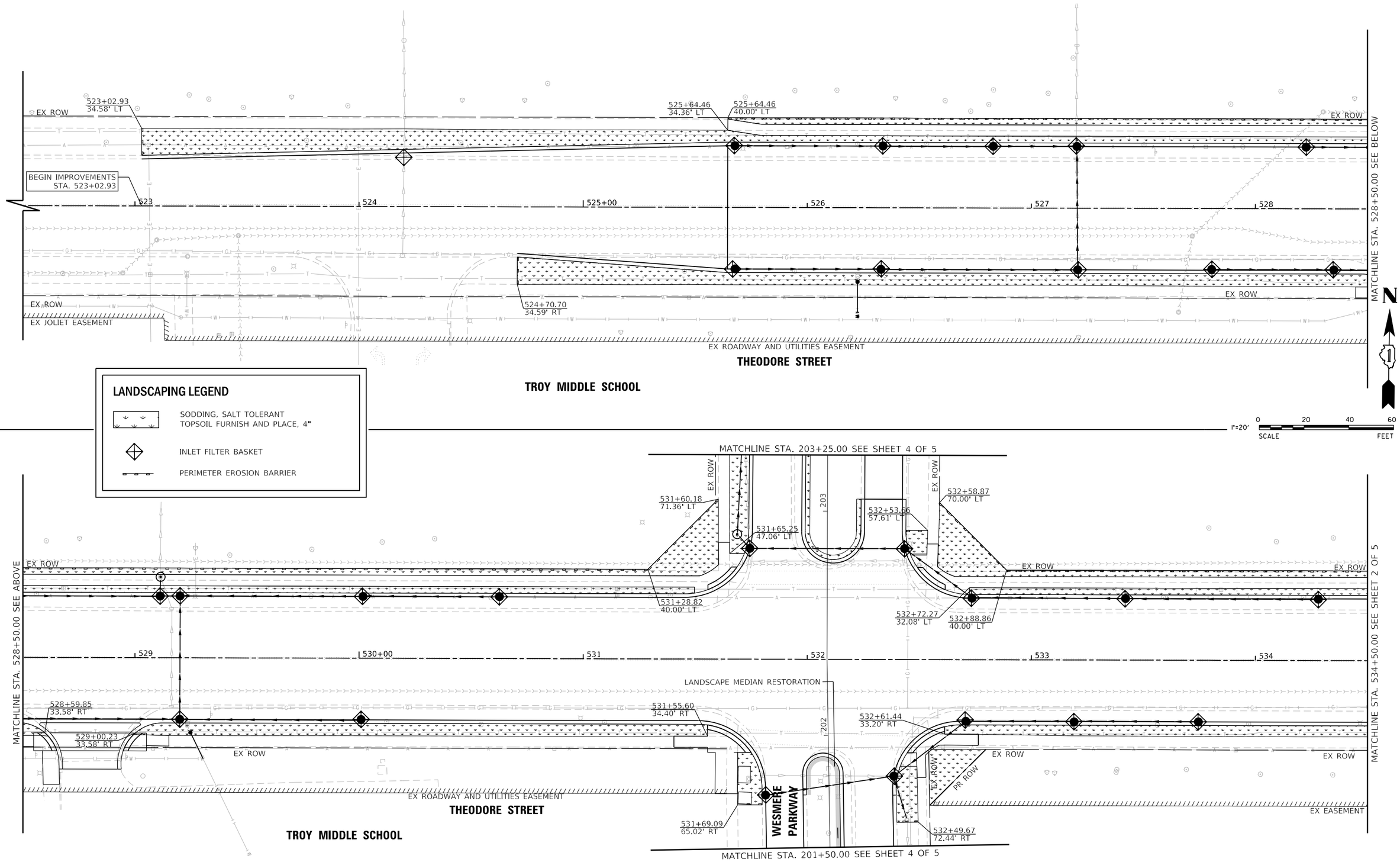
THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

INTERSECTION GRADING PLAN
THEODORE STREET AT RIVER ROAD

SCALE: 1"=10' | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	48
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	



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USER NAME = cfigus	DESIGNED - BNP	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 40'	CHECKED - KRC	REVISED -
PLOT DATE = 12/18/2023	DATE - 9/30/2020	REVISED -

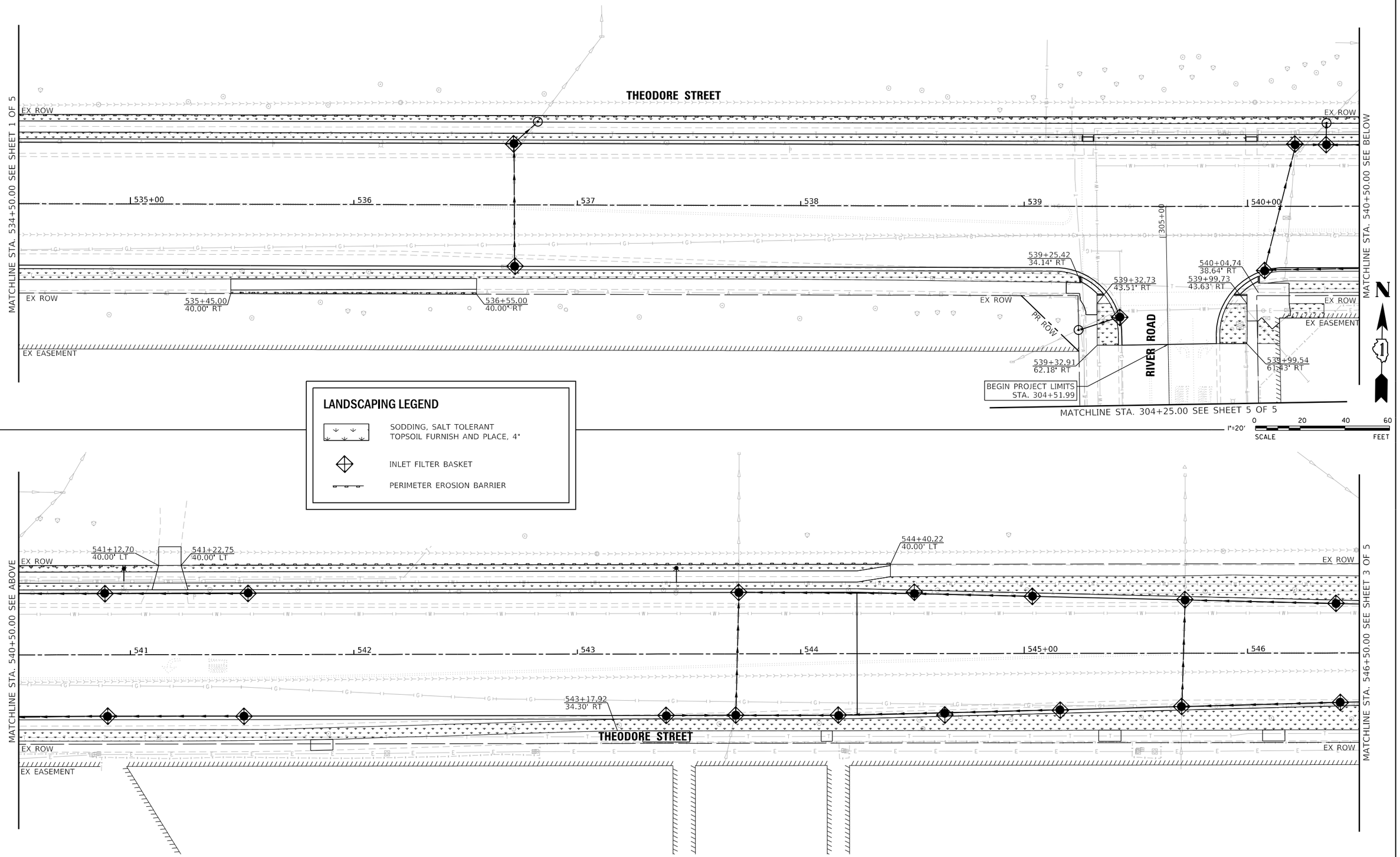
THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

EROSION CONTROL AND LANDSCAPING PLAN

SCALE: 1"=20" | SHEET 1 OF 5 SHEETS | STA. 522+50.00 | TO STA. 534+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	49
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



LANDSCAPING LEGEND

- SODDING, SALT TOLERANT TOPSOIL FURNISH AND PLACE, 4"
- INLET FILTER BASKET
- PERIMETER EROSION BARRIER

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USER NAME = cfigus	DESIGNED - BNP	REVISED -	
	DRAWN - DRP	REVISED -	
PLOT SCALE = 40'	CHECKED - KRC	REVISED -	
PLOT DATE = 12/18/2023	DATE - 9/30/2020	REVISED -	

THEODORE STREET WIDEN AND RESURFACE

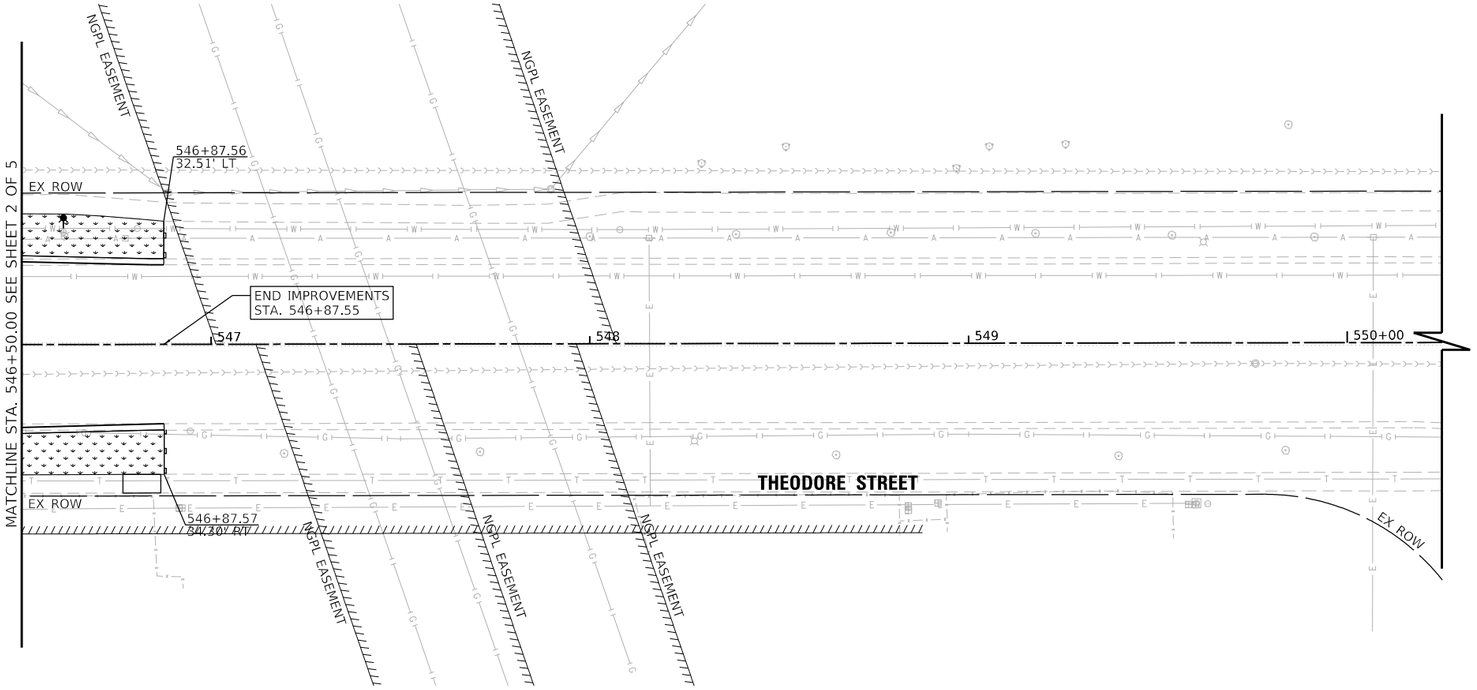
JOLIET ILLINOIS

EROSION CONTROL AND LANDSCAPING PLAN

SCALE: 1"=20" | SHEET 2 OF 5 SHEETS | STA. 534+50.00 TO STA. 546+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	50
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

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0 20 40 60
1"=20' SCALE FEET

LANDSCAPING LEGEND

SODDING, SALT TOLERANT
TOPSOIL FURNISH AND PLACE, 4"

INLET FILTER BASKET

PERIMETER EROSION BARRIER

MODEL: Default
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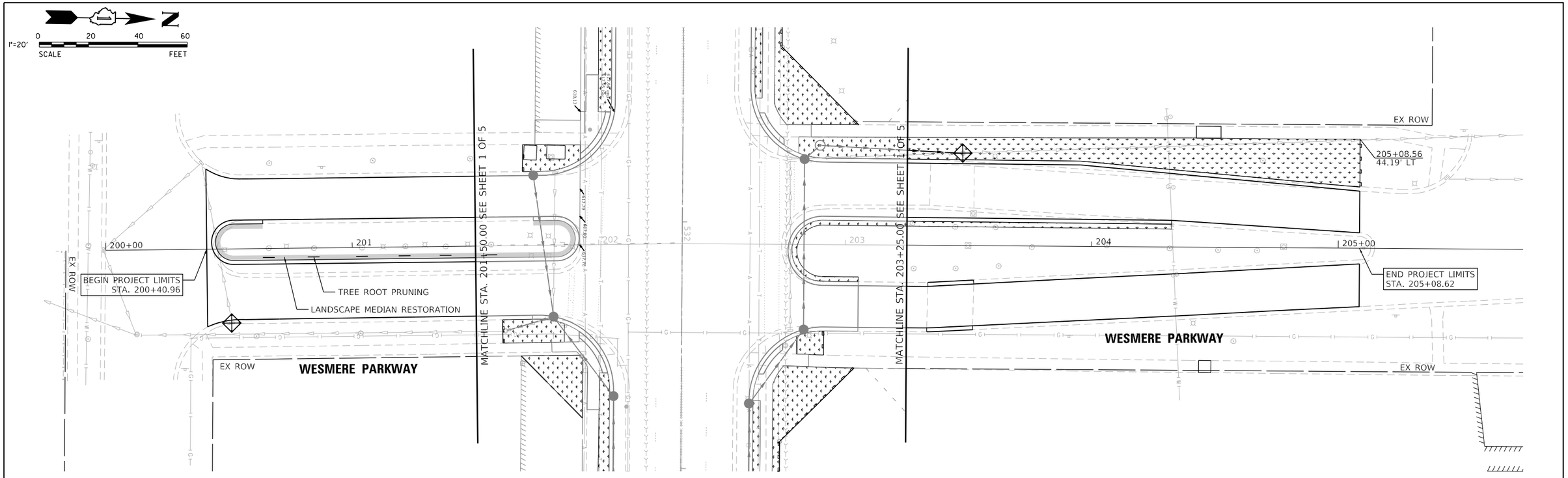
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USER NAME = cfigus	DESIGNED - BNP	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 40'	CHECKED - KRC	REVISED -
PLOT DATE = 12/18/2023	DATE - 9/30/2020	REVISED -

THEODORE STREET WIDEN AND RESURFACE
JOLIET ILLINOIS

EROSION CONTROL AND LANDSCAPING PLAN
SCALE: 1"=20" | SHEET 3 OF 5 SHEETS | STA. 546+50.00 TO STA. 552+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	51
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



LANDSCAPING LEGEND

SODDING, SALT TOLERANT
TOPSOIL FURNISH AND PLACE, 4"

INLET FILTER BASKET

PERIMETER EROSION BARRIER

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USER NAME = cfigus	DESIGNED - BNP	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 40'	CHECKED - KRC	REVISED -
PLOT DATE = 12/18/2023	DATE - 9/30/2020	REVISED -

THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

EROSION CONTROL AND LANDSCAPING PLAN

SCALE: 1"=20" | SHEET 4 OF 5 SHEETS | STA. 200+00.00 TO STA. 206+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	52
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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SIGN SEQUENCE NUMBERING CODE

EXAMPLE

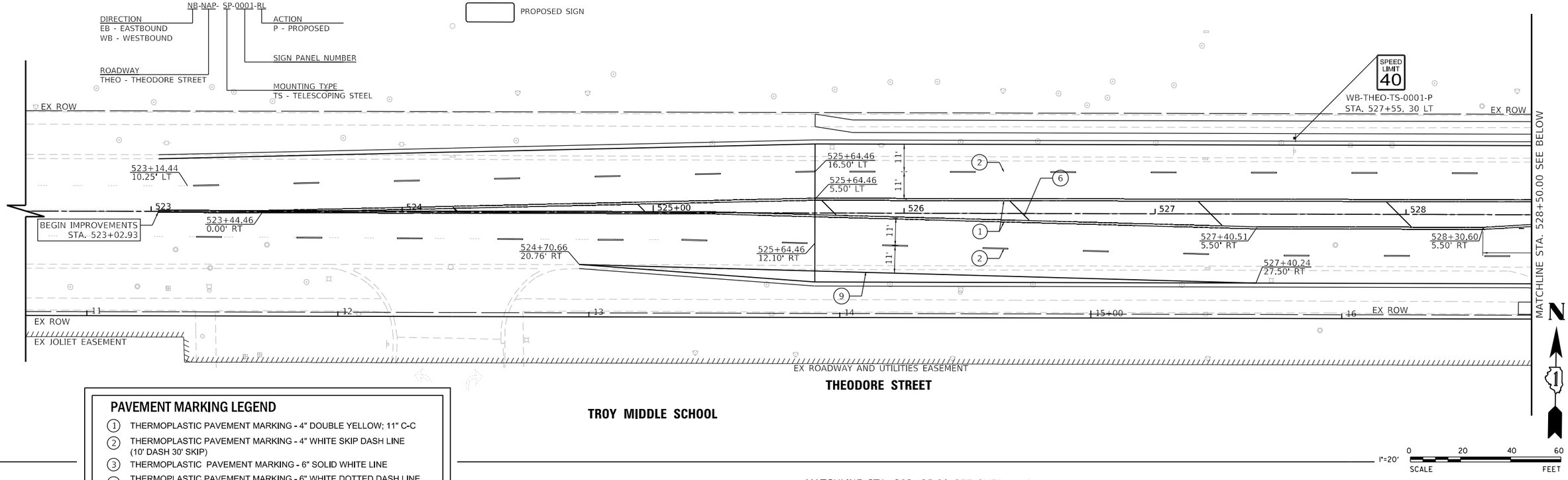
NB-NAP- SP-0001-RL

- DIRECTION: EB - EASTBOUND; WB - WESTBOUND
- ROADWAY: THEO - THEODORE STREET
- MOUNTING TYPE: TS - TELESCOPING STEEL
- SIGN PANEL NUMBER
- ACTION: P - PROPOSED

LEGEND

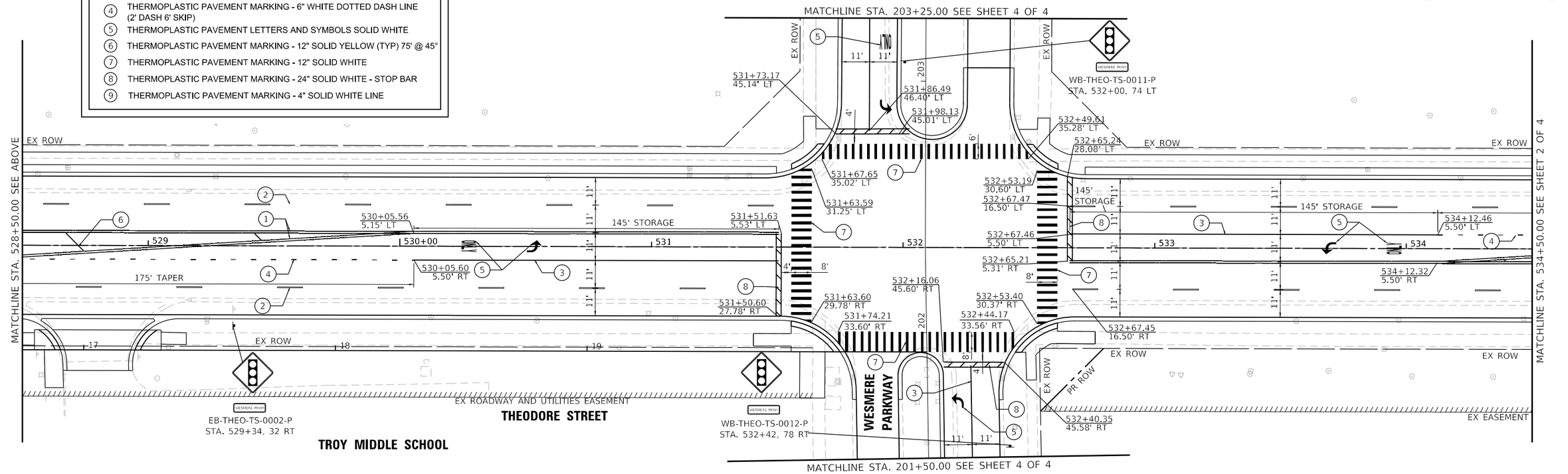
PROPOSED SIGN LOCATION

PROPOSED SIGN



PAVEMENT MARKING LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - 4" DOUBLE YELLOW; 11" C-C
2. THERMOPLASTIC PAVEMENT MARKING - 4" WHITE SKIP DASH LINE (10' DASH 30' SKIP)
3. THERMOPLASTIC PAVEMENT MARKING - 6" SOLID WHITE LINE
4. THERMOPLASTIC PAVEMENT MARKING - 6" WHITE DOTTED DASH LINE (2' DASH 6' SKIP)
5. THERMOPLASTIC PAVEMENT LETTERS AND SYMBOLS SOLID WHITE
6. THERMOPLASTIC PAVEMENT MARKING - 12" SOLID YELLOW (TYP) 75' @ 45°
7. THERMOPLASTIC PAVEMENT MARKING - 12" SOLID WHITE
8. THERMOPLASTIC PAVEMENT MARKING - 24" SOLID WHITE - STOP BAR
9. THERMOPLASTIC PAVEMENT MARKING - 4" SOLID WHITE LINE



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	DRAWN - DRP		REVISED -
PLOT SCALE = 40'	CHECKED - KRC		REVISED -
PLOT DATE = 12/18/2023	DATE - 9/30/2020		REVISED -

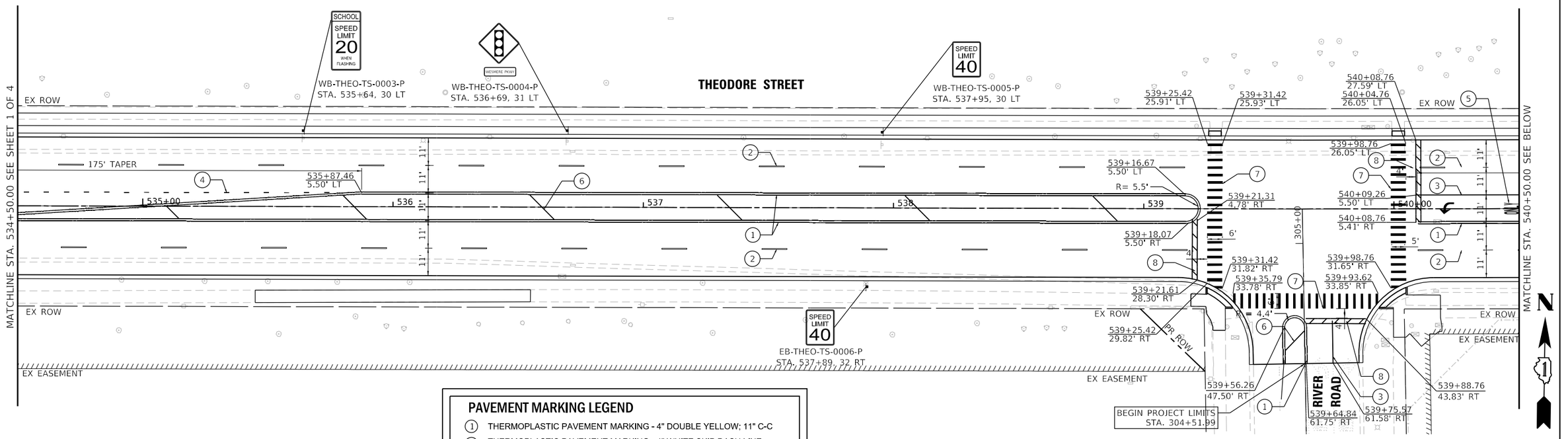
THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1"=20" | SHEET 1 OF 5 SHEETS | STA. 522+50.00 TO STA. 534+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	53
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



PAVEMENT MARKING LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - 4" DOUBLE YELLOW; 11" C-C
2. THERMOPLASTIC PAVEMENT MARKING - 4" WHITE SKIP DASH LINE (10' DASH 30' SKIP)
3. THERMOPLASTIC PAVEMENT MARKING - 6" SOLID WHITE LINE
4. THERMOPLASTIC PAVEMENT MARKING - 6" WHITE DOTTED DASH LINE (2' DASH 6' SKIP)
5. THERMOPLASTIC PAVEMENT LETTERS AND SYMBOLS SOLID WHITE
6. THERMOPLASTIC PAVEMENT MARKING - 12" SOLID YELLOW (TYP) 75' @ 45°
7. THERMOPLASTIC PAVEMENT MARKING - 12" SOLID WHITE
8. THERMOPLASTIC PAVEMENT MARKING - 24" SOLID WHITE - STOP BAR
9. THERMOPLASTIC PAVEMENT MARKING - 4" SOLID WHITE LINE

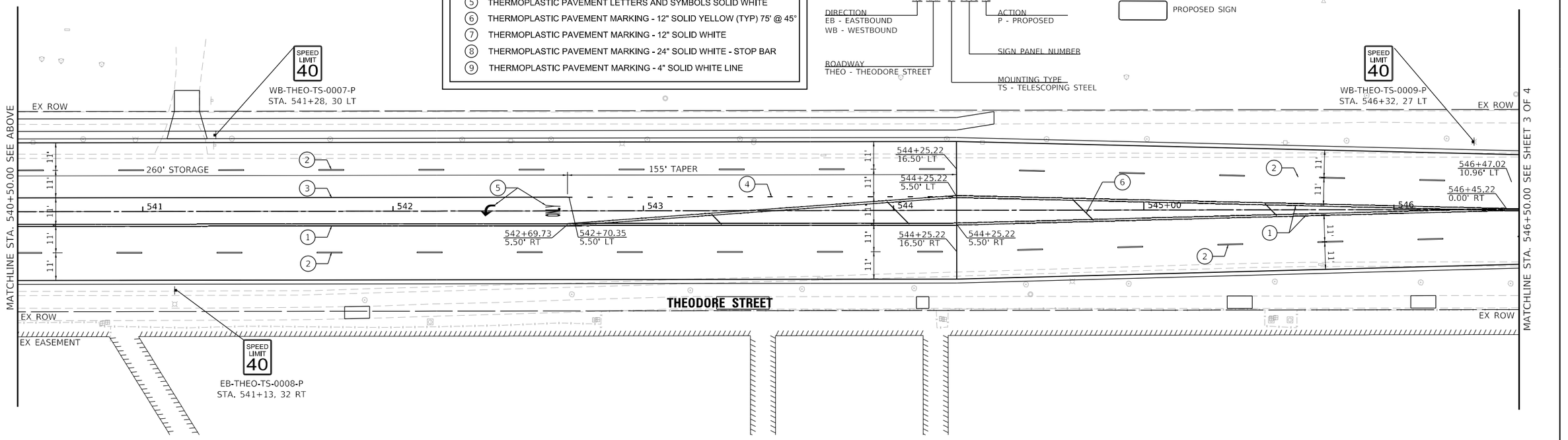
SIGN SEQUENCE NUMBERING CODE

EXAMPLE: NB-NAP- SP-0001-RL

- DIRECTION: EB - EASTBOUND, WB - WESTBOUND
- ROADWAY: THEO - THEODORE STREET
- ACTION: P - PROPOSED
- SIGN PANEL NUMBER
- MOUNTING TYPE: TS - TELESCOPING STEEL

LEGEND

- PROPOSED SIGN LOCATION
- PROPOSED SIGN



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USER NAME = cfigus	DESIGNED - BNP	REVISED -	
	DRAWN - DRP	REVISED -	
PLOT SCALE = 40'	CHECKED - KRC	REVISED -	
PLOT DATE = 12/18/2023	DATE - 9/30/2020	REVISED -	

THEODORE STREET WIDEN AND RESURFACE

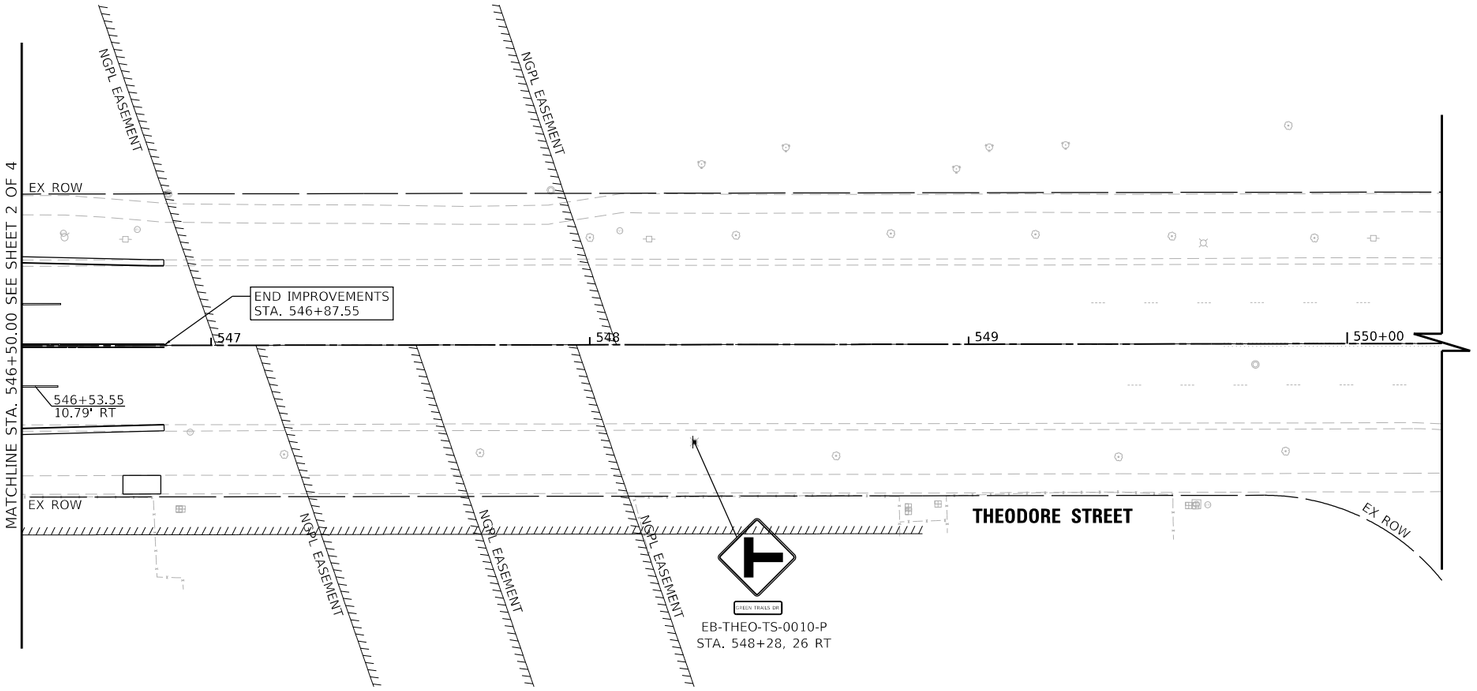
JOLIET ILLINOIS

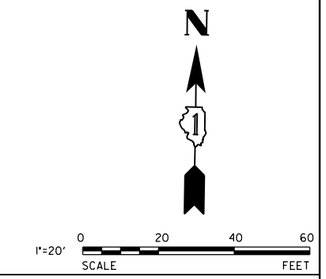
PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1"=20" | SHEET 2 OF 4 SHEETS | STA. 534+50.00 TO STA. 546+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	54
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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PAVEMENT MARKING LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - 4" DOUBLE YELLOW; 11" C-C
2. THERMOPLASTIC PAVEMENT MARKING - 4" WHITE SKIP DASH LINE (10' DASH 30' SKIP)
3. THERMOPLASTIC PAVEMENT MARKING - 6" SOLID WHITE LINE
4. THERMOPLASTIC PAVEMENT MARKING - 6" WHITE DOTTED DASH LINE (2' DASH 6' SKIP)
5. THERMOPLASTIC PAVEMENT LETTERS AND SYMBOLS SOLID WHITE
6. THERMOPLASTIC PAVEMENT MARKING - 12" SOLID YELLOW (TYP) 75' @ 45°
7. THERMOPLASTIC PAVEMENT MARKING - 12" SOLID WHITE
8. THERMOPLASTIC PAVEMENT MARKING - 24" SOLID WHITE - STOP BAR
9. THERMOPLASTIC PAVEMENT MARKING - 4" SOLID WHITE LINE

SIGN SEQUENCE NUMBERING CODE

EXAMPLE

NB-NAP- SP-0001-RL

DIRECTION
EB - EASTBOUND
WB - WESTBOUND

ROADWAY
THEO - THEODORE STREET

ACTION
P - PROPOSED

SIGN PANEL NUMBER

MOUNTING TYPE
TS - TELESCOPING STEEL

LEGEND

PROPOSED SIGN LOCATION

PROPOSED SIGN

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = cfigus	DESIGNED - BNP	REVISED -	
	DRAWN - DRP	REVISED -	
PLOT SCALE = 40'	CHECKED - KRC	REVISED -	
PLOT DATE = 12/18/2023	DATE - 9/30/2020	REVISED -	

THEODORE STREET WIDEN AND RESURFACE

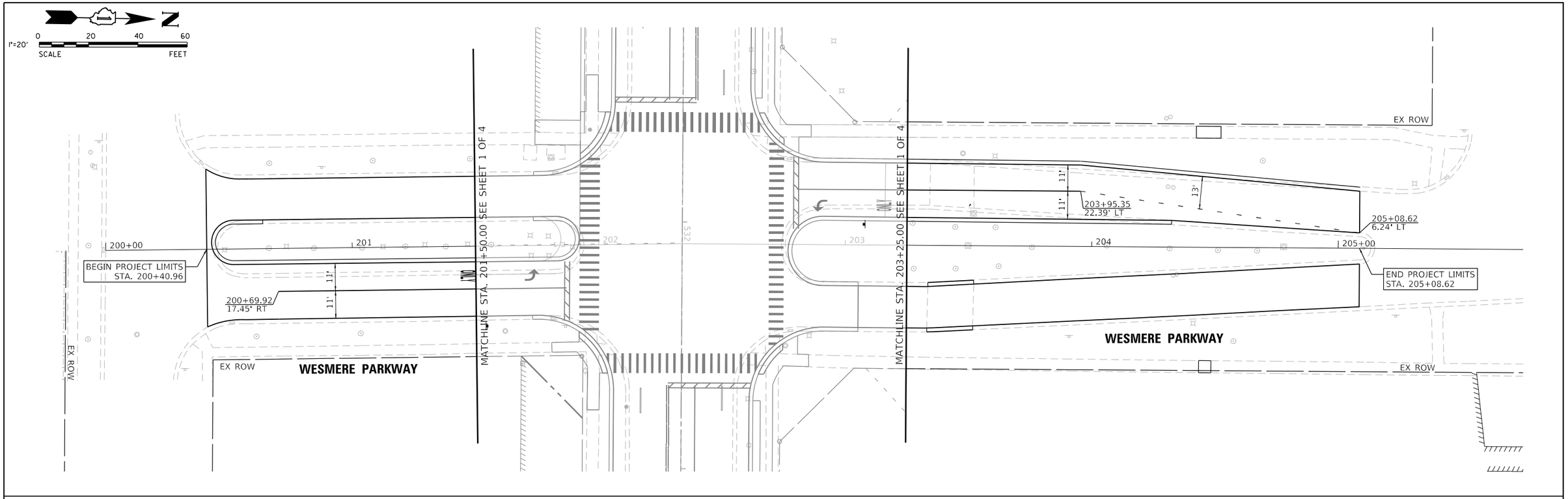
JOLIET ILLINOIS

PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1"=20" | SHEET 3 OF 4 SHEETS | STA. 546+50.00 TO STA. 552+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	55
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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PAVEMENT MARKING LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - 4" DOUBLE YELLOW; 11" C-C
2. THERMOPLASTIC PAVEMENT MARKING - 4" WHITE SKIP DASH LINE (10' DASH 30' SKIP)
3. THERMOPLASTIC PAVEMENT MARKING - 6" SOLID WHITE LINE
4. THERMOPLASTIC PAVEMENT MARKING - 6" WHITE DOTTED DASH LINE (2' DASH 6' SKIP)
5. THERMOPLASTIC PAVEMENT LETTERS AND SYMBOLS SOLID WHITE
6. THERMOPLASTIC PAVEMENT MARKING - 12" SOLID YELLOW (TYP) 75' @ 45°
7. THERMOPLASTIC PAVEMENT MARKING - 12" SOLID WHITE
8. THERMOPLASTIC PAVEMENT MARKING - 24" SOLID WHITE - STOP BAR
9. THERMOPLASTIC PAVEMENT MARKING - 4" SOLID WHITE LINE

SIGN SEQUENCE NUMBERING CODE

EXAMPLE

NB-NAP- SP-0001-RL

- DIRECTION: EB - EASTBOUND; WB - WESTBOUND
- ROADWAY: THEO - THEODORE STREET
- ACTION: P - PROPOSED
- SIGN PANEL NUMBER
- MOUNTING TYPE: TS - TELESCOPING STEEL

LEGEND

PROPOSED SIGN LOCATION

PROPOSED SIGN

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = cfigus	DESIGNED - BNP	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 40'	CHECKED - KRC	REVISED -
PLOT DATE = 12/18/2023	DATE - 9/30/2020	REVISED -

THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

PAVEMENT MARKING AND SIGNING PLAN

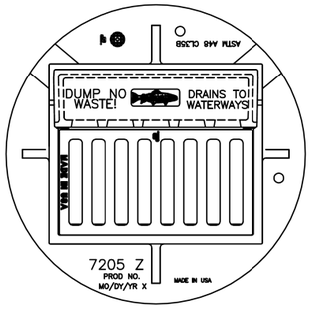
SCALE: 1"=20" | SHEET 4 OF 4 SHEETS | STA. 200+00.00 TO STA. 206+00.00

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

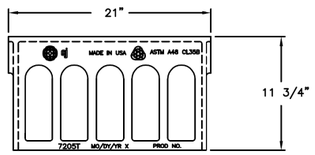
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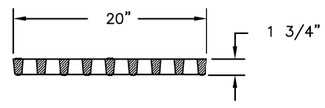
7205Z / B / T Set

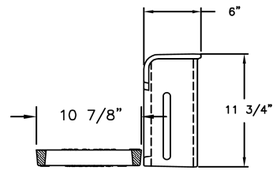
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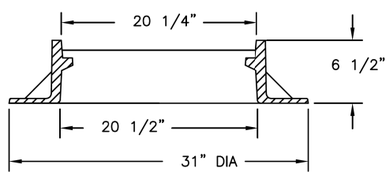


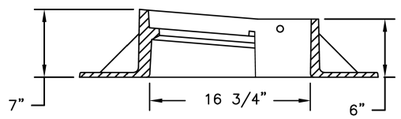
NOTE: COMPONENTS ARE SHIPPED LOOSE. UNASSEMBLED.











LOW PROFILE RESTRICTED DEPTH FRAME AND GRATE

Product Number
00720530C01

Design Features
-Materials
Curb Inlet Frame
Gray Iron (CL35B)
Grate
Gray Iron (CL35B)
Hood
Gray Iron (CL35B)

-Load Rating
Heavy Duty
-Open Area
n/a
-Coating
Dipped
- √ Designates Machined Surface

Certification
- ASTM A48
-
-
-Country of Origin: USA

Major Components
00720510
00720530
00720560

Drawing Revision
6/19/2006 Designer: JMB
1/13/2021 Revised By: DAE

Disclaimer
Weights (lbs./kg) dimensions (inches/mm) and drawings provided for your guidance. We reserve the right to modify specifications without prior notice.

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Contact
800 626 4653
ejco.com

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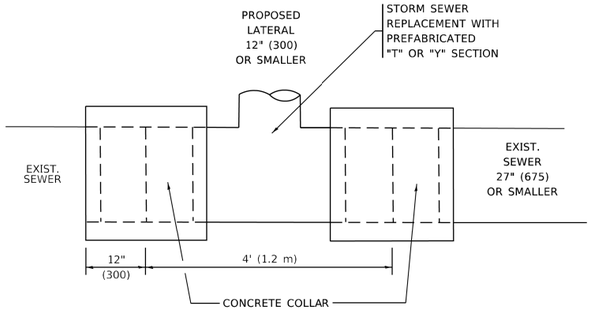
V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = cfigus	DESIGNED - BNP	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 2'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE
JOLIET ILLINOIS

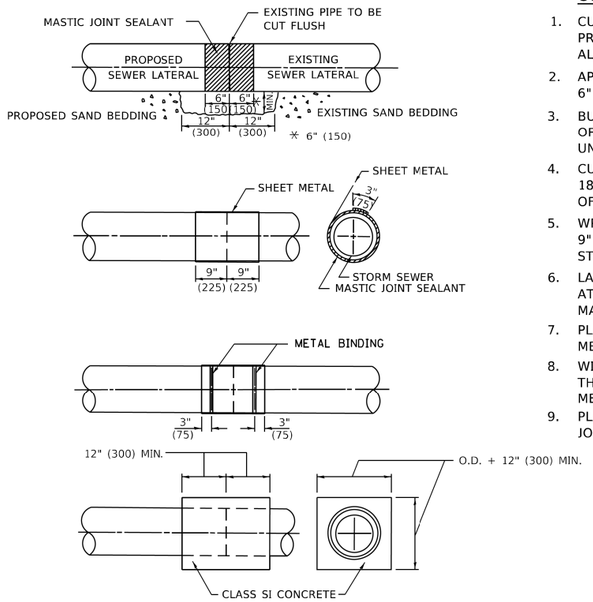
CONSTRUCTION DETAIL
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	57
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



DETAIL "A"

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

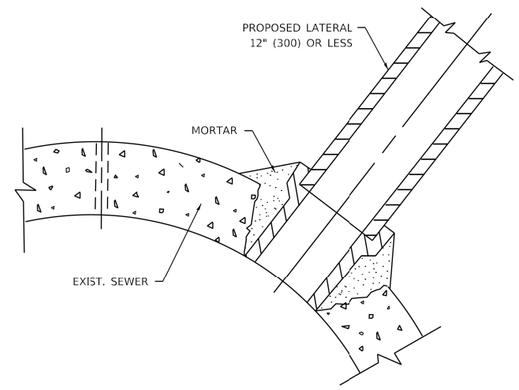


DETAIL "B"

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.



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

1. 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.

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

BASIS OF PAYMENT

1. 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.

2. 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.

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

4. 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.

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

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USER NAME = demanchelt	DESIGNED - M. DE YONG	REVISED - R. SHAH 09-09-94	
	DRAWN -	REVISED - R. SHAH 10-25-94	
PLOT SCALE = 100.0000 ' / In.	CHECKED -	REVISED - R. SHAH 06-12-96	
PLOT DATE = 2/2/2022	DATE - 07-25-90	REVISED - K. SMITH 02-01-22	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

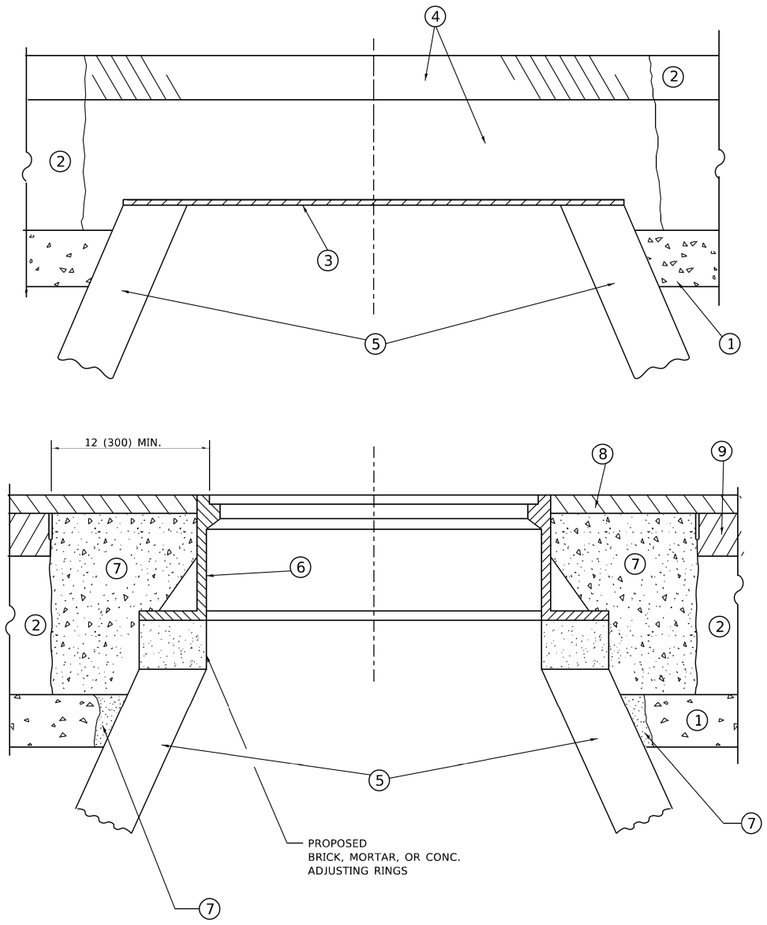
DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			118	58

BD500-01 (BD-07) | CONTRACT NO.

ILLINOIS | FED. AID PROJECT



DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

NOTES

1. 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.

2. 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.

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

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

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 HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 1 1/2 (40) HMA TO REMAIN AFTER MILLING).

STAGE 2 (AFTER PAVEMENT MILLING)

A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.

B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.

C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS*PP-1 CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

1. 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)."

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

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

4. 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.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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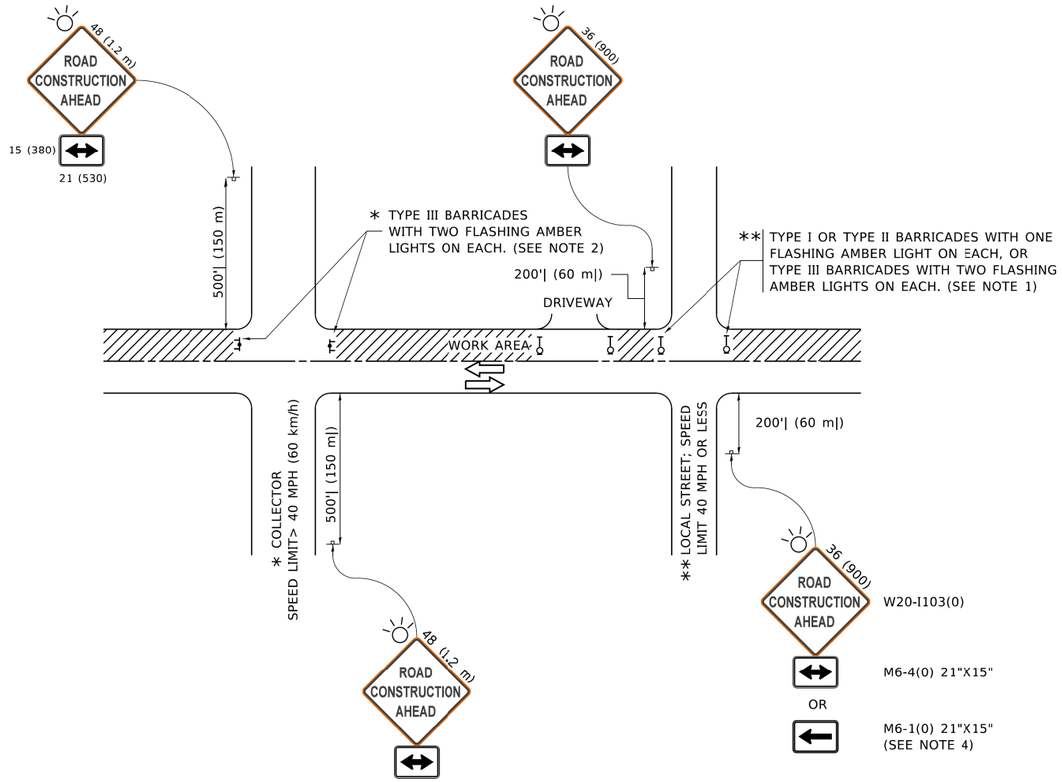
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	DRAWN -	REVISED - R. BORO 03-09-11	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. BORO 12-06-11	
PLOT DATE = 2/2/2022	DATE - 10-25-94	REVISED - K. SMITH 02-01-22	

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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			118	59
	BD600-03 (BD-08)	CONTRACT NO.		
	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.

USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96	
	DRAWN -	REVISED - T. RAMMACHER 01-06-00	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

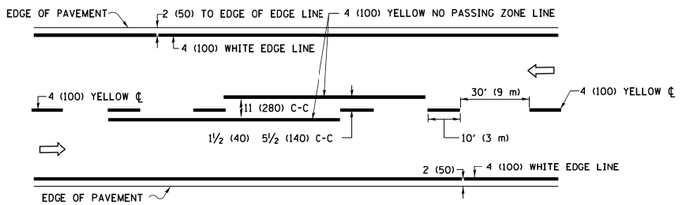
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

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

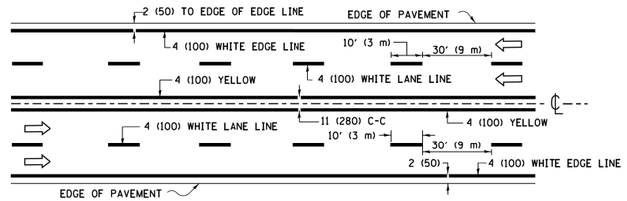
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			118	60
	TC–10		CONTRACT NO.	
		ILLINOIS	FED. AID PROJECT	

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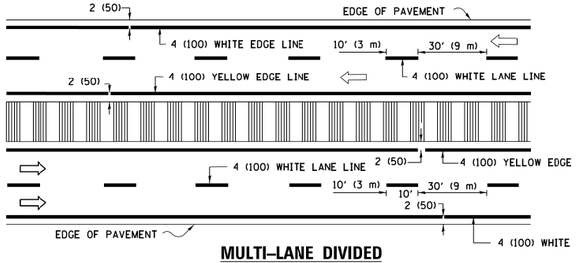
tc10.dgn 3/4/2019 10:27:07 AM User:footemj



2–LANE ROADWAY

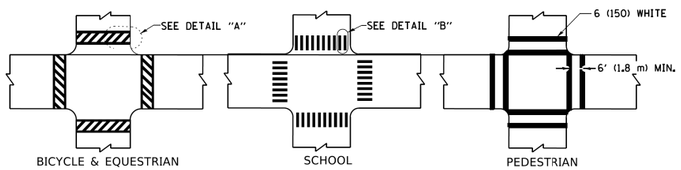


MULTI–LANE UNDIVIDED



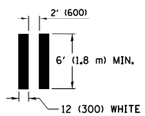
MULTI–LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING





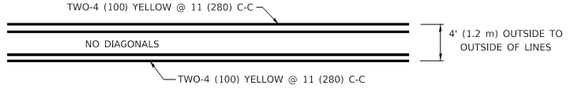
DETAIL "A"



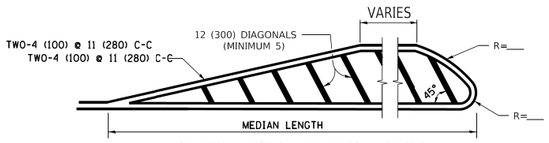
DETAIL "B"

TYPICAL CROSSWALK MARKING

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



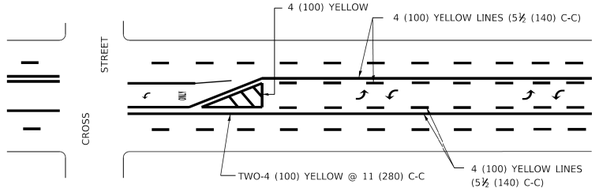
4' (1.2 m) WIDE MEDIANS ONLY



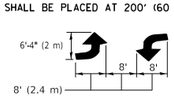
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

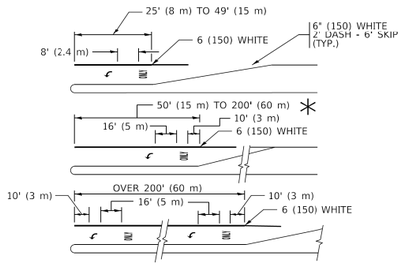


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

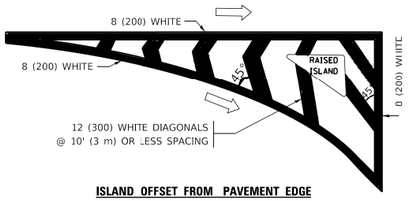


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) **ONLY** AREA = 20.8 SQ. FT. (1.9 m²)

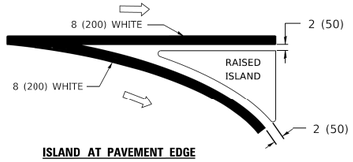
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

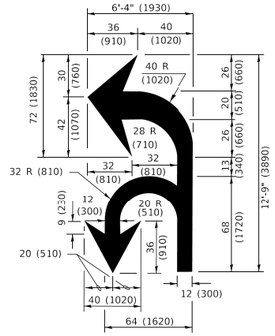


ISLAND OFFSET FROM PAVEMENT EDGE

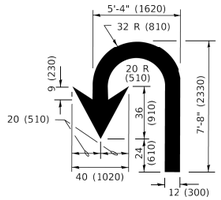


ISLAND AT PAVEMENT EDGE

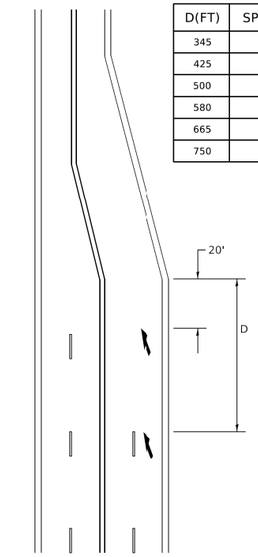
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U–TURN



U–TURN



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

LANE REDUCTION TRANSITION

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	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 m² EACH "X"=54.0 SQ. FT. (5.0 m²
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

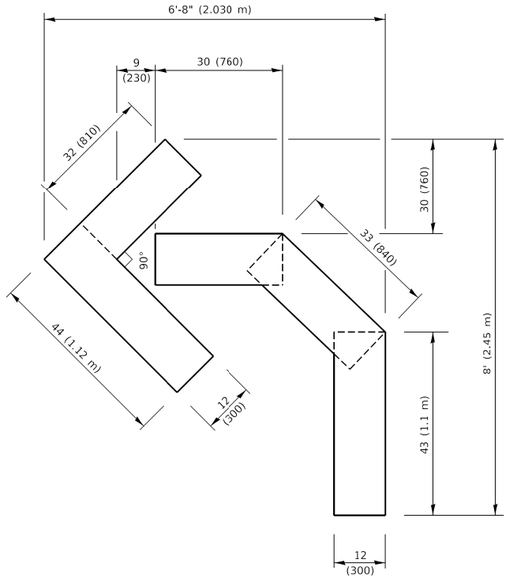
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

MODEL: Default
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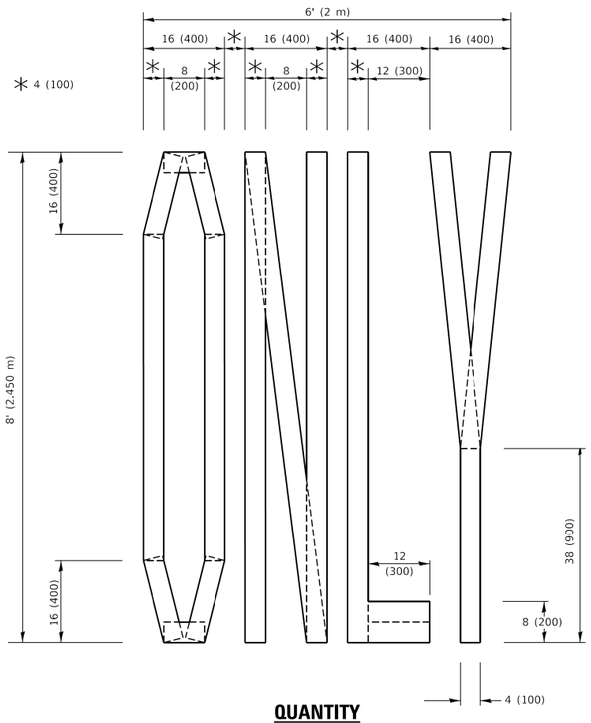
USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**	**DISTRICT ONE** **TYPICAL PAVEMENT MARKINGS**	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED - C. JUCIUS 07-01-13						118	61
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15				**TC–13**		CONTRACT NO.	
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16		SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.			ILLINOIS	FED. AID PROJECT	

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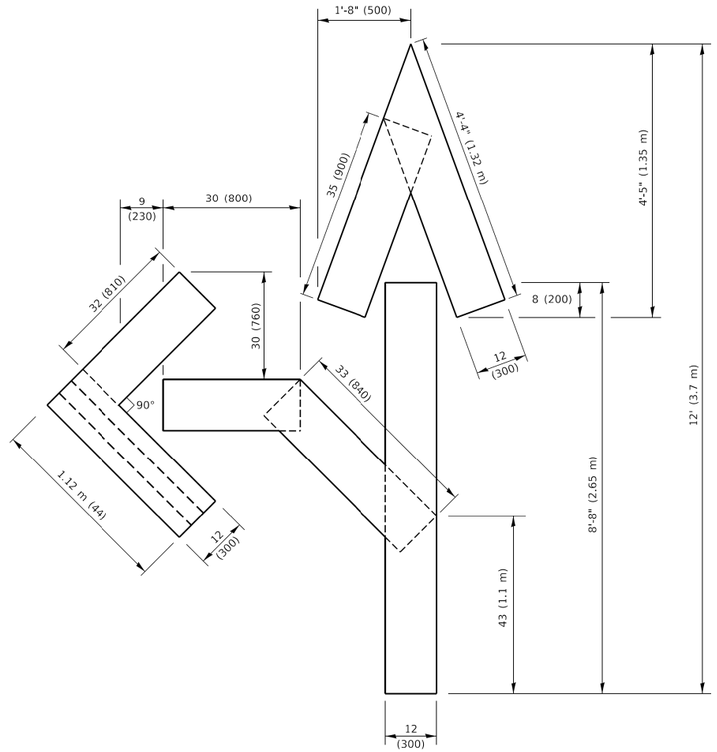
QUANTITY

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)

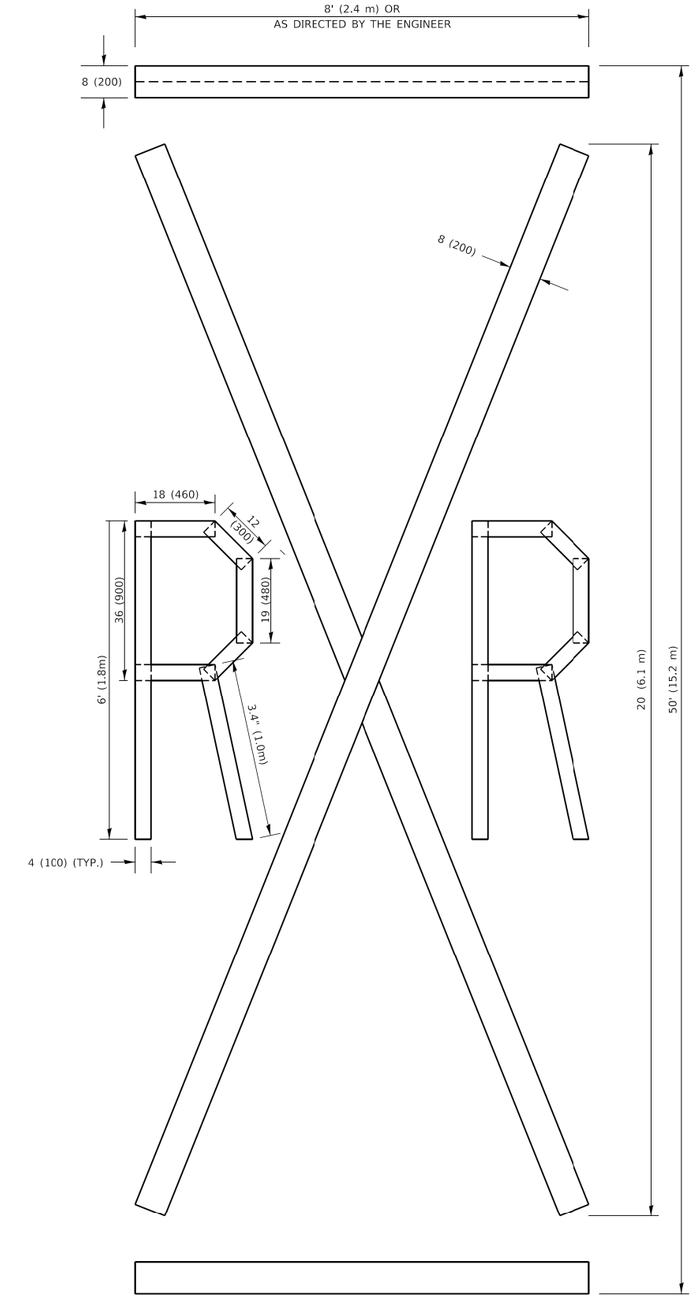


QUANTITY

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.

MODEL: Default
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USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98	
	DRAWN -	REVISED - E. GOMEZ 08-28-00	
PLOT SCALE = 50.0068 ' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00	
PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16	

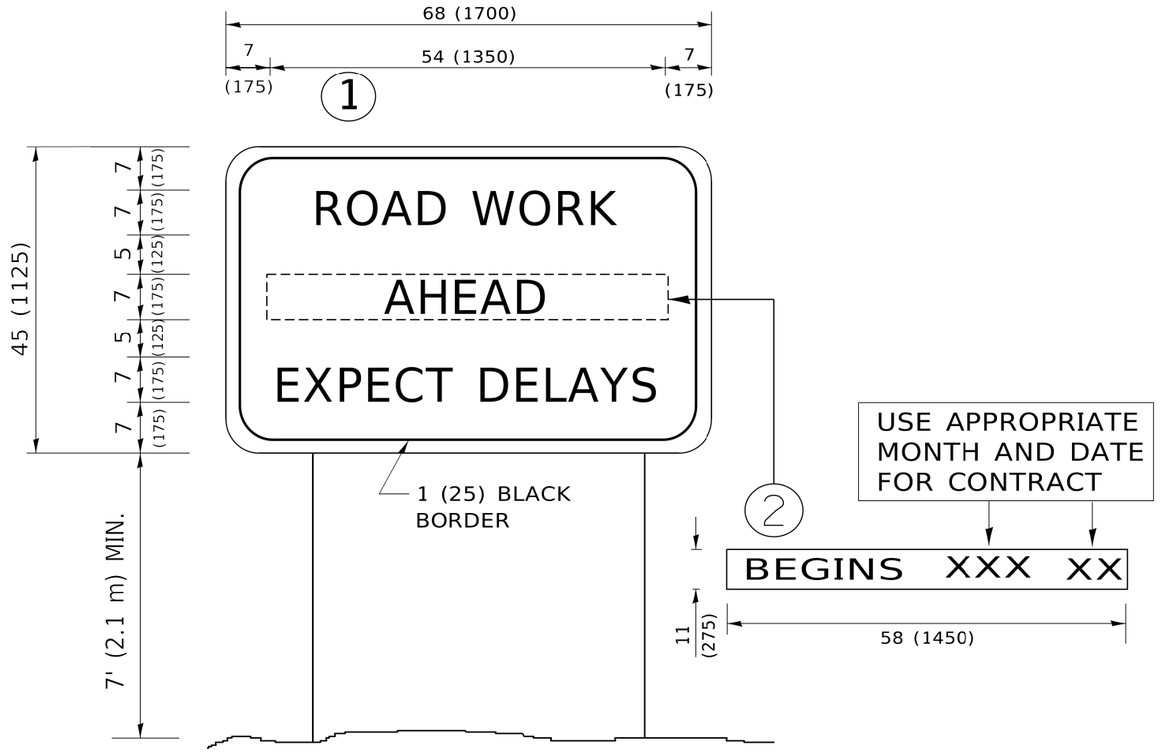
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			118	62
	TC-16	CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

tc16.dgn 3/4/2019 10:37:35 AM User=footemj



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.

MODEL: Default
FILE NAME: pw:\\IL084EBIDNTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist51022x34\CADData\CADSheets\tc22.dgn

USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97	
	DRAWN -	REVISED - R. MIRS 12-11-97	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99	
PLOT DATE = 3/4/2019	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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			118	63
	TC–22		CONTRACT NO.	
	ILLINOIS	FED. AID PROJECT		

tc22.dgn 3/4/2019 10:48:10 AM footemj

ABV	ABOVE	CU YD	CUBIC YARD	HATCH	HATCHING	PM	PAVEMENT MARKING	STD	STANDARD
A/C	ACCESS CONTROL	CULV	CULVERT	HD	HEAD	PED	PEDESTAL	SBI	STATE BOND ISSUE
AC	ACRE	C&G	CURB & GUTTER	HDW	HEADWALL	PNT	POINT	SR	STATE ROUTE
ADJ	ADJUST	D	DEGREE OF CURVE	HDUTY	HEAVY DUTY	PC	POINT OF CURVATURE	STA	STATION
AS	AERIAL SURVEYS	DC	DEPRESSED CURVE	ha	HECTARE	PI	POINT OF INTERSECTION OF HORIZONTAL CURVE	SPBGR	STEEL PLATE BEAM GUARDRAIL
AGG	AGGREGATE	DET	DETECTOR	HMA	HOT MIX ASPHALT	PRC	POINT OF REVERSE CURVE	SS	STORM SEWER
AH	AHEAD	DIA	DIAMETER	HWY	HIGHWAY	PT	POINT OF TANGENCY	STY	STORY
APT	APARTMENT	DIST	DISTRICT	HORIZ	HORIZONTAL	POT	POINT ON TANGENT	ST	STREET
ASPH	ASPHALT	DOM	DOMESTIC	HSE	HOUSE	POLYETH	POLYETHYLENE	STR	STRUCTURE
AUX	AUXILIARY	DBL	DOUBLE	IL	ILLINOIS	PCC	PORTLAND CEMENT CONCRETE	e	SUPERELEVATION RATE
AGS	AUXILIARY GAS VALVE (SERVICE)	DSEL	DOWNSTREAM ELEVATION	IMP	IMPROVEMENT	PP	POWER POLE OR PRINCIPAL POINT	S.E. RUN.	SUPERELEVATION RUNOFF LENGTH
AVE	AVENUE	DSFL	DOWNSTREAM FLOWLINE	IN DIA	INCH DIAMETER	PRM	PRIME	SURF	SURFACE
AX	AXIS OF ROTATION	DR	DRAINAGE OR DRIVE	INL	INLET	PE	PRIVATE ENTRANCE	SMK	SURVEY MARKER
BK	BACK	DI	DRAINAGE INLET OR DROP INLET	INST	INSTALLATION	PROF	PROFILE	T	TANGENT DISTANCE
B-B	BACK TO BACK	DRV	DRIVEWAY	IDS	INTERSECTION DESIGN STUDY	PGL	PROFILE GRADELINE	T.R.	TANGENT RUNOUT DISTANCE
BKPL	BACKPLATE	DCT	DUCT	INV	INVERT	PROJ	PROJECT	TEL	TELEPHONE
B	BARN	EA	EACH	IP	IRON PIPE	P.C.	PROPERTY CORNER	TB	TELEPHONE BOX
BARR	BARRICADE	EB	EASTBOUND	IR	IRON ROD	PL	PROPERTY LINE	TP	TELEPHONE POLE
BL	BASELINE	EOP	EDGE OF PAVEMENT	JT	JOINT	PR	PROPOSED	TEMP	TEMPORARY
BGN	BEGIN	E-CL	EDGE TO CENTERLINE	kg	KILOGRAM	R	RADIUS or RESIDENTUAL	TBM	TEMPORARY BENCH MARK
BM	BENCHMARK	E-E	EDGE TO EDGE	km	KILOMETER	RR	RAILROAD	TD	TILE DRAIN
BIND	BINDER	ELEC	ELECRICAL	LS	LANDSCAPING	RRS	RAILROAD SPIKE	TBE	TO BE EXTENDED
BIT	BITUMINOUS	EL	ELEVATION	LN	LANE	RPS	REFERENCE POINT STAKE	TBR	TO BE REMOVED
BTM	BOTTOM	ENTR	ENTRANCE	LT	LEFT	REF	REFLECTIVE	TBS	TO BE SAVED
BLVD	BOULEVARD	EXC	EXCAVATION	LIDAR	LIGHT DETECTION AND RANGING	RCCP	REINFORCED CONCRETE CULVERT PIPE	TWP	TOWNSHIP
BRK	BRICK	EX	EXISTING	LP	LIGHT POLE	REINF	REINFORCEMENT	TR	TOWNSHIP ROAD
BBOX	BUFFALO BOX	EXPWAY	EXPRESSWAY	LGT	LIGHTING	REM	REMOVAL	TS	TRAFFIC SIGNAL
BLDG	BUILDING	E	EXTERNAL DISTANCE OF HORIZONTAL CURVE	LF	LINEAL FEET OR LINEAR FEET	RC	REMOVE CROWN	TSCB	TRAFFIC SIGNAL CONTROL BOX
CATV	CABLE	E	OFFSET DISTANCE TO VERTICAL CURVE	L	LITER OR CURVE LENGTH	REP	REPLACEMENT	TSC	TRAFFIC SYSTEMS CENTER
CIP	CAST IRON PIPE	F-F	FACE TO FACE	LC	LONG CHORD	REST	RESTAURANT	TRVS	TRANSVERSE
CB	CATCH BASIN	FA	FEDERAL AID	LNG	LONGITUDINAL	RESURF	RESURFACING	TRVL	TRAVEL
C-C	CENTER TO CENTER	FAI	FEDERAL AID INTERSTATE	L SUM	LUMP SUM	TRN	TURN		
CL	CENTERLINE OR CLEARANCE	FAP	FEDERAL AID PRIMARY	MACH	MACHINE	RET	RETAINING	TY	TYPE
CL-E	CENTERLINE TO EDGE	FAS	FEDERAL AID SECONDARY	MB	MAIL BOX	RT	RIGHT	T-A	TYPE A
CL-F	CENTERLINE TO FACE	FAUS	FEDERAL AID URBAN SECONDARY	MH	MANHOLE	ROW	RIGHT-OF-WAY	TYP	TYPICAL
CTS	CENTERS	FP	FENCE POST	MATL	MATERIAL	RD	ROAD	UNDGND	UNDERGROUND
CERT	CERTIFIED	OPT	FIBER OPTIC	MED	MEDIAN	RDWY	ROADWAY	USGS	U.S. GEOLOGICAL SURVEY
CHSLD	CHISELED	FE	FIELD ENTRANCE	m	METER	RTE	ROUTE	USEL	UPSTREAM ELEVATION
CS	CITY STREET	FH	FIRE HYDRANT	METH	METHOD	SAN	SANITARY	USFL	UPSTREAM FLOWLINE
CP	CLAY PIPE	FL	FLOW LINE	M	MID-ORDINATE	SANS	SANITARY SEWER	UTIL	UTILITY
CLSD	CLOSED	FB	FOOT BRIDGE	mm	MILLIMETER	SEC	SECTION	VBOX	VALVE BOX
CLID	CLOSED LID	FDN	FOUNDATION	mm DIA	MILLIMETER DIAMETER	SEED	SEEDING	VV	VALVE VAULT
CT	COAT OR COURT	FR	FRAME	MIX	MIXTURE	SHAP	SHAPING	VLT	VAULT
COMB	COMBINATION	F&G	FRAME & GRATE	MBH	MOBILE HOME	S	SHED	VEH	VEHICLE
C	COMMERCIAL BUILDING	FRWAY	FREEWAY	MOD	MODIFIED	SH	SHEET	VP	VENT PIPE
CE	COMMERCIAL ENTRANCE	GAL	GALLON	MFT	MOTOR FUEL TAX	SHLD	SHOULDER	VERT	VERTICAL
CONC	CONCRETE	GALV	GALVANIZED	N & BC	NAIL & BOTTLE CAP	SW	SIDEWALK OR SOUTHWEST	VC	VERTICAL CURVE
CONST	CONSTRUCT	G	GARAGE	N & C	NAIL & CAP	SIG	SIGNAL	VPC	VERTICAL POINT OF CURVATURE
CONTD	CONTINUED	GM	GAS METER	N & W	NAIL & WASHER	SOD	SODDING	VPI	VERTICAL POINT OF INTERSECTION
CONT	CONTINUOUS	GV	GAS VALVE	NC	NORMAL CROWN	SM	SOLID MEDIAN	VPT	VERTICAL POINT OF TANGENCY
COR	CORNER	GIS	GEOGRAPHICAL INFORMATION SYSTEM	NB	NORTHBOUND	SB	SOUTHBOUND	WM	WATER METER
CORR	CORRUGATED	GRAN	GRANULAR	NE	NORTHEAST	SE	SOUTHEAST	WV	WATER VALVE
CMP	CORRUGATED METAL PIPE	GR	GRATE	NW	NORTHWEST	SPL	SPECIAL	WMAIN	WATER MAIN
CNTY	COUNTY	GRVL	GRAVEL	O/S	OFFSET	SD	SPECIAL DITCH	WB	WESTBOUND
CH	COUNTY HIGHWAY	GND	GROUND	O&C	OIL AND CHIP	SQ FT	SQUARE FEET	WILDFL	WILDFLOWERS
CSE	COURSE	GUT	GUTTER	OLID	OPEN LID	m^2	SQUARE METER	W	WITH
XSECT	CROSS SECTION	GP	GUY POLE	PAT	PATTERN	mm^2	SQUARE MILLIMETER	WO	WITHOUT
m^3	CUBIC METER	GW	GUY WIRE	PVD	PAVED	SQ YD	SQUARE YARD		
mm^3	CUBIC MILLIMETER	HH	HANDHOLE	PVMT	PAVEMENT	STB	STABILIZED		

Illinois Department of Transportation
PASSED January 1, 2021 — ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2021 — ENGINEER OF DESIGN AND ENVIRONMENT
BD/ED 1-1-97

DATE	REVISIONS
1-1-21	Updated fonts, abbreviations and symbols.
1-1-19	Added new symbols.

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS (Sheet 1 of 9)

STANDARD 000001-08

ADJUSTMENT ITEMS

	EX	PR
Structure To Be Adjusted		ADJ
Structure To Be Cleaned		C
Main Structure To Be Filled		FM
Structure To Be Filled		F
Structure To Be Filled Special		FSP
Structure To Be Removed		R
Structure To Be Reconstructed		REC
Structure To Be Reconstructed Special		RSP
Frame and Grate To Be Adjusted		A
Frame and Lid To Be Adjusted		(A)
Domestic Service Box To Be Adjusted		A
Valve Vault To Be Adjusted		(A)
Special Adjustment		SP
Item To Be Abandoned		AB
Item To Be Moved		M
Item To Be Relocated		REL
Pavement Removal and Replacement		

ALIGNMENT ITEMS

	EX	PR
Baseline		
Centerline		
Centerline Break Circle		
Baseline Symbol		
Centerline Symbol		
PI Indicator		
Point Incicator		
Horizontal Curve Data (Half Size)	E.R. CURVE P.I. STA= Δ= D= R= T= L= E= e= T.R.= S.E. RUN= P.C. STA= P.T. STA=	CURVE P.I. STA= Δ= D= R= T= L= E= e= T.R.= S.E. RUN= P.C. STA= P.T. STA=

BOUNDARIES ITEMS

	EX	PR
Dashed Property Line		
Solid Property/Lot Line		
Section/Grant Line		
Quarter Section Line		
Quarter/Quarter Section Line		
County/Township Line		
State Line		
Chiseled Square Found		
Iron Pipe Found		
Iron Pipe Set		
Survey Marker		
Property Line Symbol		
Same Ownership Symbol (Half Size)		
Northwest Quarter Corner (Half Size)		
Section Corner (Half Size)		
Southeast Quarter Corner (Half Size)		

DRAINAGE ITEMS

	EX	PR
Channel or Stream Line		
Culvert Line		
Grading & Shaping Ditches		
Drainage Boundary Line		
Paved Ditch		
Aggregate Ditch		
Pipe Underdrain		
Storm Sewer		
Flowline	FL	FL
Ditch Check		
Headwall		
Inlet		
Manhole		
Summit		
Roadway Ditch Flow		
Swale		
Catch Basin		
Culvert End Section		
Water Surface Indicator		
Riprap		

HYDRAULICS ITEMS

	EX	PR
Overflow		
Sheet Flow		
Hydrant Outlet		

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS (Sheet 2 of 9)

STANDARD 000001-08

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EROSION & SEDIMENT CONTROL ITEMS

	EX	PR
Cleaning & Grading Limits		
Dike		
Erosion Control Fence		
Perimeter Erosion Barrier		
Temporary Fence		
Ditch Check Temporary		
Ditch Check Permanent		
Inlet & Pipe Protection		
Sediment Basin		
Erosion Control Blanket		
Fabric Formed Concrete Revetment Mat		
Turf Reinforcement Mat		
Mulch Temporary		
Mulch Method 1		
Mulch Method 2 Stabilized		
Mulch Method 3 Hydraulic		

CONTOUR ITEMS

	EX	PR
Approx. Index Line		
Approx. Intermediate Line		
Index Contour		
Intermediate Contour		

NON-HIGHWAY IMPROVEMENT ITEMS

	EX	PR
Noise Attn./Levee		
Field Line		
Fence		
Base of Levee		
Mailbox		
Multiple Mailboxes		
Pay Telephone		
Advertising Sign		
ITS* Camera		
Wind Turbine		
Cellular Tower		

*Intelligent Transportation Systems

LANDSCAPING ITEMS

	EX	PR
Contour Mounding Line		
Fence		
Fence Post		
Shrubs		
Mowline		
Perennial Plants		
Seeding Class 2		
Seeding Class 2A		
Seeding Class 4		
Seeding Class 4 & 5 Combined		

EXISTING LANDSCAPING ITEMS (contd.)

	EX	PR
Seeding Class 5		
Seeding Class 7		
Seedlings Type 1		
Seedlings Type 2		
Sodding		
Mowstake w/Sign		
Tree Trunk Protection		
Evergreen Tree	E	
Shade Tree	E	+

LIGHTING

	EX	PR
Duct		
Conduit		
Electrical Aerial Cable	A	A
Electrical Buried Cable	L	L
Controller		
Underpass Luminaire		
Power Pole		

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS (Sheet 3 of 9)

STANDARD 000001-08

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LIGHTING (contd.)

	EX	PR
Pull Point		
Handhole		
Heavy Duty Handhole		
Junction Box		
Light Unit Comb.		
Electrical Ground		
Traffic Flow Arrow		
High Mast Pole (Half Size)		
Light Unit-1		

PAVEMENT (MISC.)

	EX	PR
Keyed Long. Joint		
Keyed Long. Joint w/Tie Bars		
Sawed Long. Joint w/Tie Bars		
Bituminous Shoulder		
Bituminous Taper		
Stabilized Driveway		
Widening		

PAVEMENT MARKINGS

	EX	PR
Handicap Symbol		
RR Crossing		
Raised Marker Amber 1 Way		
Raised Marker Amber 2 Way		
Raised Marker Crystal 1 Way		
Two Way Turn Left		
Shoulder Diag. Pattern		
Skip-Dash White		
Skip-Dash Yellow		
Stop Line		
Solid Line		
Double Centerline		
Dotted Lines		

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS (Sheet 4 of 9)

STANDARD 000001-08

MODEL: Default
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V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = cfigus	DESIGNED - BNP		REVISED -
	DRAWN - DRP		REVISED -
PLOT SCALE = 2'	CHECKED - KRC		REVISED -
PLOT DATE = 12/6/2023	DATE -		REVISED -

THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

IDOT HIGHWAY STANDARDS

SCALE: | SHEET 1 OF 15 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	64
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

PAVEMENT MARKINGS (contd.)

	EX	PR
CL 2Ln 2Way RRPM 12.2 m (40') o.c.		
CL 2Ln 2Way RRPM 80' 24.4 m) o.c.		
CL Multilane Div. RRPM 40' 12.2 m) o.c.		
CL Multilane Div. RRPM 80' 24.4 m) o.c.		
CL Multilane Div. Dbl. RRPM 80' 24.4 m) o.c.		
CL Multilane Undiv.		
Two Way Turn Left Line		
Urban Combination Left		
Urban Combination Right		
Urban Left Turn Arrow		
Urban Right Turn Arrow		
Urban Left Turn Only		
Urban Right Turn Only		
Urban Thru Only		
Urban LT & RT Turn Arrow		
Urban Thru Arrow		

RAILROAD ITEMS

	EX	PR
Abandoned Railroad		
Railroad		
Railroad Point		
Control Box		
Crossing Gate		
Flashing Signal		
Railroad Cant. Mast Arm		
Crossbuck		

REMOVAL ITEMS

	EX	PR
Removal Tic		
Bituminous Removal		
Hatch Pattern		
Tree Removal Single		

RIGHT OF WAY ITEMS

	EX	PR
Future ROW Corner Monument		
ROW Marker		
ROW Line		
Easement		
Temporary Easement		

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BDE/ISTD 1-19-21

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
(Sheet 5 of 9)

STANDARD 000001-08

PAVEMENT MARKINGS (contd.)

	EX	PR
Urban U-Turn		
Urban Combined U-Turn		
Rural Combination Left		
Rural Combination Right		
Rural Left Turn Arrow		
Rural Right Turn Arrow		
Rural Left Turn Only		
Rural Right Turn Only		
Rural Thru Only		
Rural Thru Arrow		
Rural Lt & Rt Turn Arrow		
Bike Lane Symbol		
Bike Lane Text		
Bike Path Shared		
Bike Shared Roadway		
Lane Drop Symbol		
Wrong Way Arrow		

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BDE/ISTD 1-19-21

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
(Sheet 6 of 9)

STANDARD 000001-08

RIGHT OF WAY ITEMS (contd.)

	EX	PR
Access Control Line		AC
Access Control Line & ROW	AC	AC
Access Control Line & ROW with Fence	AC	AC
Excess ROW Line		XS

ROADWAY PLAN ITEMS

	EX	PR
Cable Barrier		
Concrete Barrier		
Edge of Pavement		
Bit. Shoulders, Medians and C&G Line		
Aggregate Shoulder		
Sidewalks, Driveways		
Guardrail		
Guardrail Fost		
Traffic Sign		
Corrugated Median		
Impact Attenuator		
North Arrow with District Office (Half Size)		
Match Line		STA. 45+00
Slope Limit Line		
Typical Cross-Section Line		

ROADWAY PROFILES

	EX	PR
P.I. Indicator		
Point Indicator		
Earthworks Balance Point		
Begin Point		
Vert. Curve Data	VPI = ELEV= L = E =	VPI = ELEV= L = E =
Ditch Profile Left Side		
Ditch Profile Right Side		
Roadway Profile Line		
Storm Sewer Profile Left Side		
Storm Sewer Profile Right Side		

SIGNING ITEMS

	EX	PR
Cone, Drum or Barricade		
Barricade Type II		
Barricade Type III		
Barricade With Edge Line		
Flashing Light Sign		
Panels I		
Panels II		
Direction of Traffic		
Sign Flag (Half Size)		

SIGNING ITEMS (contd.)

	EX	PR
Reverse Left W1-4L (Half Size)		
Reverse Right W1-4R (Half Size)		
Two Way Traffic Sign W6-3 (Half Size)		
Detour Ahead W20-2(O) (Half Size)		
Left Lane Closed Ahead W20-5L(O) (Half Size)		
Right Lane Closed Ahead W20-5R(O) (Half Size)		
Road Closed Ahead W20-3(O) (Half Size)		
Road Construction Ahead W20-1-(O) (Half Size)		
Single Lane Ahead (Half Size)		
Transition Left W4-2L (Half Size)		
Transition Right W4-2R (Half Size)		

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STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
(Sheet 7 of 9)

STANDARD 000001-08

SIGNING ITEMS (contd.)

	EX	PR
One Way Arrow Lrg. W1-6-(O) (Half Size)		
Two Way Arrow Large W1-7-(O) (Half Size)		
Detour M4-10L-(O) (Half Size)		
Detour M4-10R-(O) (Half Size)		
One Way Left R6-1L (Half Size)		
One Way Right R6-1R (Half Size)		
Left Turn Lane R3-4100L (Half Size)		
Keep Left R4-7AL (Half Size)		
Keep Left R4-7BL (Half Size)		
Keep Right R4-7AR (Half Size)		
Keep Right R4-7BR (Half Size)		
Stop Here On Red R10-6-AL (Half Size)		
Stop Here On Red R10-6-AR (Half Size)		
No Left Turn R3-2 (Half Size)		
No Right Turn R3-1 (Half Size)		
Road Closed R11-2 (Half Size)		
Road Closed Thru Traffic R11-2 (Half Size)		

STRUCTURES ITEMS

	EX	PR
Box Culvert Barrel		
Box Culvert Headwall		
Bridge Pier		
Bridge		
Retaining Wall		
Temporary Sheet Piling		

TRAFFIC SHEET ITEMS

	EX	PR
Cable Number		
Left Turn Green		
Left Turn Yellow		
Signal Backplate		
Signal Section 8" (200 mm)		
Signal Section 12" (300 mm)		
Walk/Don't Walk Letters		
Walk/Don't Walk Symbols		

TRAFFIC SIGNAL ITEMS

	EX	PR
Galv. Steel Conduit		
Underground Cable		
Detector Loop Line		
Detector Loop Large		
Detector Loop Small		
Detector Loop Quadrapole		

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BDE/ISTD 1-19-21

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
(Sheet 8 of 9)

STANDARD 000001-08

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = cfigus	DESIGNED - BNP	REVISED -	
	DRAWN - DRP	REVISED -	
PLOT SCALE = 2'	CHECKED - KRC	REVISED -	
PLOT DATE = 12/6/2023	DATE -	REVISED -	

THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

IDOT HIGHWAY STANDARDS

SCALE: SHEET 2 OF 15 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	65
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

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TRAFFIC SIGNAL ITEMS (contd.)

	EX	PR
Detector Raceway		
Aluminum Mast Arm		
Steel Mast Arm		
Veh. Detector Magnetic		
Conduit Splice		
Controller		
Gulfbox Junction		
Wood Pole		
Temp. Signal Head		
Handhole		
Double Handhole		
Heavy Duty Handhole		
Junction Box		
Ped. Pushbutton Detector		
Ped. Signal Head		
Power Pole Service		
Priority Veh. Detector		
Signal Head		
Signal Head w/Backplate		
Signal Post		
Closed Circuit TV		
Video Detector System		

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UNDERGROUND UTILITY ITEMS

	EX	PR	ABANDONED
Cable TV	CTV	CTV	CTV
Electric Cable	E	E	E
Fiber Optic	FO	FO	FO
Gas Pipe	G	G	G
Oil Pipe	O	O	O
Sanitary Sewer			
Telephone Cable	T	T	T
Water Pipe	W	W	W

UTILITIES ITEMS

	EX	PR
Controller		
Double Handhole		
Fire Hydrant		
GuyWire or Deadman Anchor		
Handhole		
Heavy Duty Handhole		
Junction Box		
Light Pole		
Manhole		
Monitoring Well (Gasoline)		
Pipeline Warning Sign		
Power Pole		
Power Pole with Light		
Sanitary Sewer Cleanout		
Splice Box Above Ground		
Telephone Splice Box Above Ground		
Telephone Pole		

UTILITY ITEMS (contd.)

	EX	PR
Traffic Signal		
Traffic Signal Control Box		
Water Meter		
Water Meter Valve Box		
Profile Line		
Aerial Power Line	A	A

VEGETATION ITEMS

	EX	PR
Deciduous Tree		
Bush or Shrub		
Evergreen Tree		
Stump		
Orchard/Nursery Line		
Vegetation Line		
Woods & Bush Line		

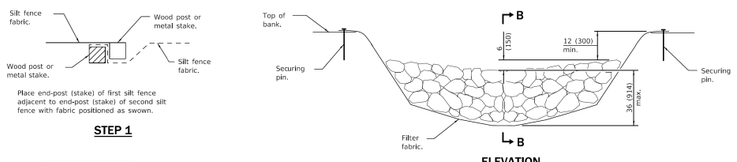
WATER FEATURE ITEMS

	EX	PR
Stream or Drainage Ditch		
Waters Edge		
Water Surface Indicator		
Water Point		
Disappearing Ditch		
Marsh		
Marsh/Swamp Boundary		

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 9 of 9)

STANDARD 000001-08



STEP 1

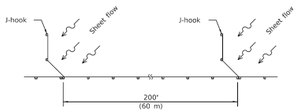


Rotate posts (stakes) together 180° clockwise and drive both posts (stakes) 18 (450) into ground.

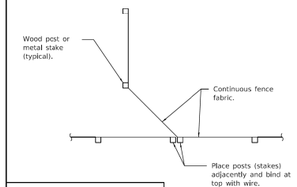
STEP 2

ATTACHING TWO SILT FILTER FENCES

(Not applicable for J-hooks)



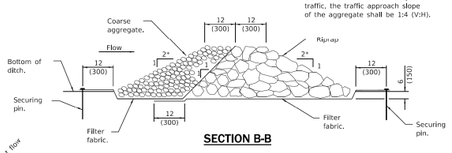
SILT FILTER J-HOOK PLACEMENT



J-HOOK

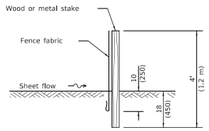
ELEVATION

* When the ditch check is within the clear zone and the road is open to traffic, the traffic approach slope of the aggregate shall be 1:4 (V:H).

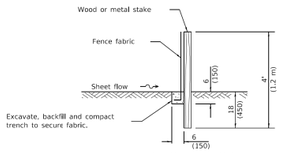


SECTION B-B

AGGREGATE DITCH CHECK

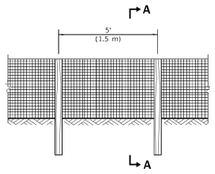


SLICE METHOD



TRENCH METHOD

SECTION A-A



ELEVATION

SILT FILTER FENCE AS A PERIMETER EROSION BARRIER

GENERAL NOTES

The installation details and dimensions shown for perimeter erosion barriers shall also apply for inlet and pipe protection.

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

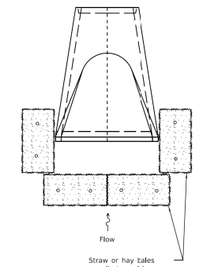
DATE	REVISIONS
1-1-13	Corrected notation for flowline (℄) on SEDIMENT BASIN ELEVATION.
1-1-12	Omitted hay/straw perimeter barrier. Added SLICE METHOD to SECTION A-A.

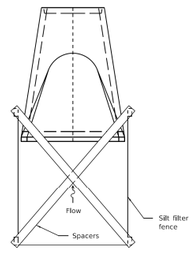
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BOARD ADOPTED 11-9-67

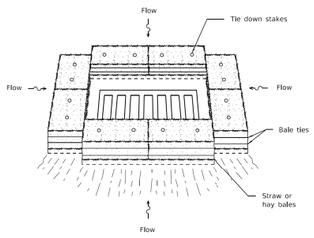
TEMPORARY EROSION CONTROL SYSTEMS

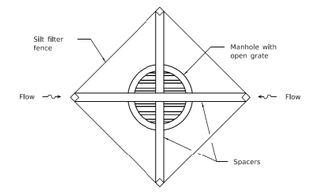
(Sheet 1 of 2)

STANDARD 280001-07

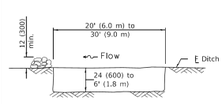






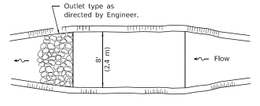


INLET AND PIPE PROTECTION



The performance of the basin will improve if put into a series.

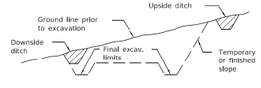
ELEVATION



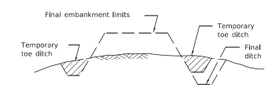
The long dimension should be parallel with the direction of the flow. Accumulated silt shall be removed anytime the basins become 75% filled.

PLAN

SEDIMENT BASIN



TYPICAL CUT CROSS-SECTION



TYPICAL FILL CROSS-SECTION

TEMPORARY DITCHES FOR CUT & FILL SECTIONS

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TEMPORARY EROSION CONTROL SYSTEMS

(Sheet 2 of 2)

STANDARD 280001-07

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = cfigus	DESIGNED - BNP	REVISED -			
	DRAWN - DRP	REVISED -			
PLOT SCALE = 2'	CHECKED - KRC	REVISED -			
PLOT DATE = 12/6/2023	DATE -	REVISED -			

THEODORE STREET WIDEN AND RESURFACE

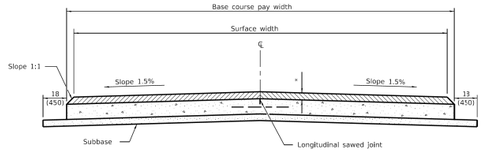
JOLIET ILLINOIS

IDOT HIGHWAY STANDARDS

SCALE: | SHEET 3 OF 15 SHEETS | STA. | TO STA.

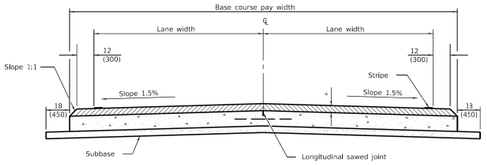
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	66
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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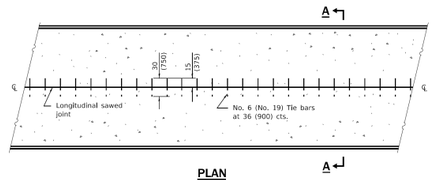


SECTION A-A
(TYPICAL 2 LANE WITH SHOULDERS)

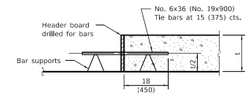
* HMA binder and surface courses



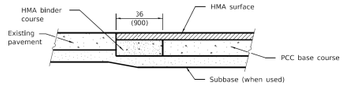
ALTERNATE SECTION A-A
(TYPICAL 2 LANE WITH SHOULDERS)



PLAN



TRANSVERSE CONSTRUCTION JOINT



LONGITUDINAL SECTION SHOWING CONSTRUCTION ADJACENT TO EXISTING PAVEMENT

GENERAL NOTES

The longitudinal sawed joint shall be as detailed on Standard 420001 except the sawed groove does not require sealing.

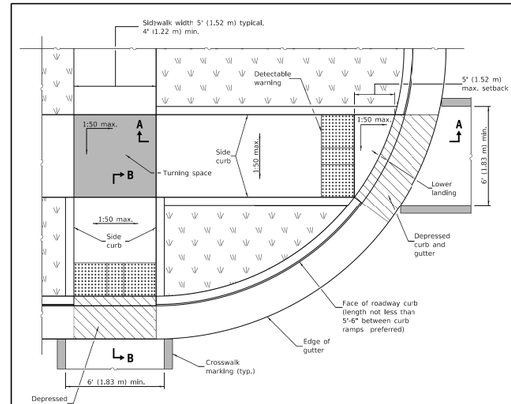
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
PASSED January 1, 2018 — ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2018 — ENGINEER OF BUREAU OF DESIGN AND ENVIRONMENT
BDE 2310 (D5/D9)

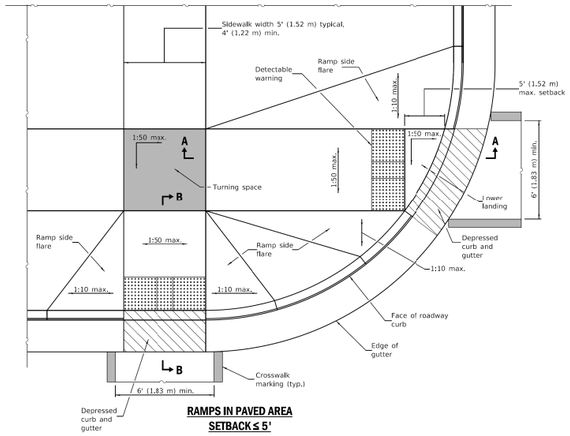
DATE	REVISIONS
1-1-18	Changed tie bar spacing
	to 36 (900) cts.
1-1-08	Switched units to
	English (metric).

PCC BASE COURSE WITH HMA BINDER AND SURFACE COURSES

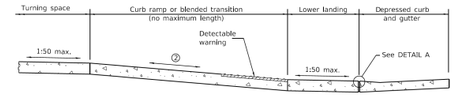
STANDARD 353001-05



RAMPS IN LANDSCAPED AREA
SETBACK ≤ 5'

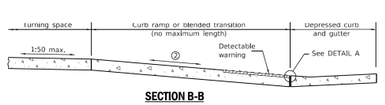


RAMPS IN PAVED AREA
SETBACK ≤ 5'



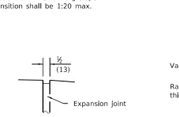
SECTION A-A

② The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.

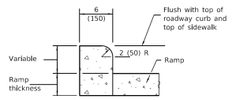


SECTION B-B

② The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.



DETAIL A



SIDE CURB DETAIL

See Sheet 2 for GENERAL NOTES.

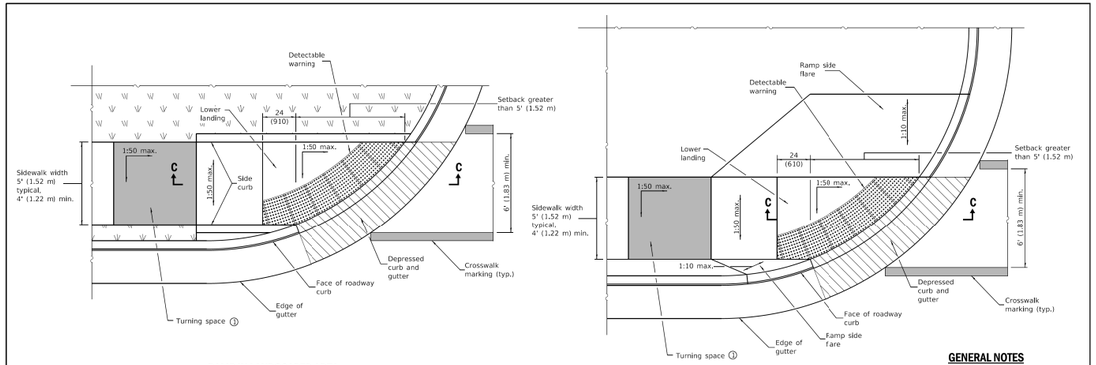
Illinois Department of Transportation
PASSED January 1, 2019 — ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2019 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE 2310 (D5/D9)

DATE	REVISIONS
1-1-19	Removed "15-foot rule", added
	"Blended transitions" and placement
	tolerances for detectable warnings.
1-1-18	Omitted diagonal slope at
	turning spaces and lower
	landings.

PERPENDICULAR CURB RAMPS FOR SIDEWALKS

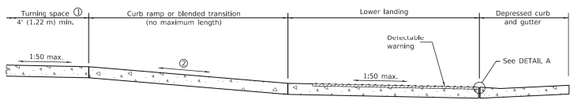
(Sheet 1 of 2)

STANDARD 424001-11



RAMP IN LANDSCAPED AREA
SETBACK > 5'

RAMP IN PAVED AREA
SETBACK > 5'



SECTION C-C

① This turning space not required for blended transitions.

② The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

Where the turning space is constrained on a side opposite a ramp, the minimum length of the turning space in the direction of the ramp-run shall be 5' (1.52 m).

Where 1:50 maximum slope is shown, 1:64 is preferred.

Detectable warnings are shown in their ideal locations but the following placement tolerances are allowed.

Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 in. (50 mm) in width is allowed.

Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

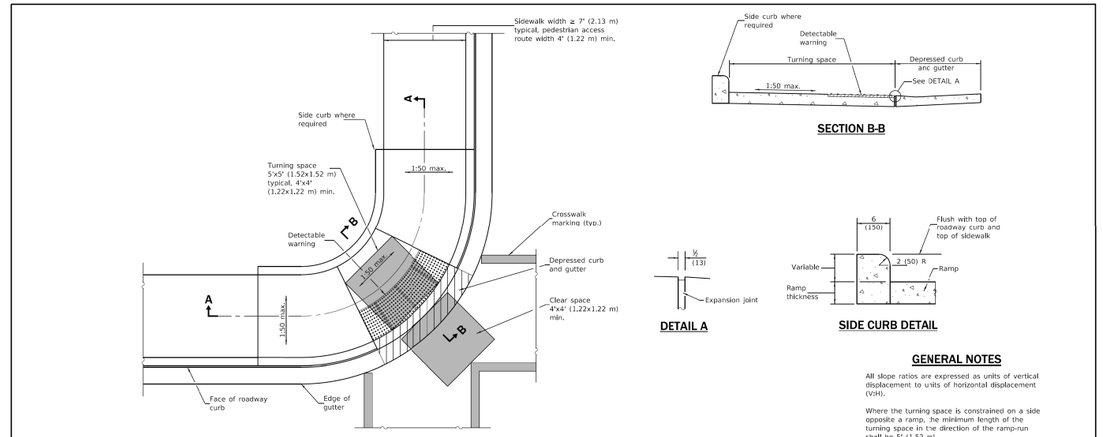
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
PASSED January 1, 2019 — ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2019 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE 2310 (D5/D9)

PERPENDICULAR CURB RAMPS FOR SIDEWALKS

(Sheet 2 of 2)

STANDARD 424001-11



CORNER PARALLEL CURB RAMP

SECTION B-B

DETAIL A

SIDE CURB DETAIL

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

Where the turning space is constrained on a side opposite a ramp, the minimum length of the turning space in the direction of the ramp-run shall be 5' (1.52 m).

Where 1:50 maximum slope is shown, 1:64 is preferred.

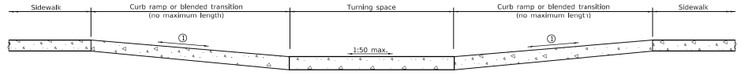
Detectable warnings are shown in their ideal locations but the following placement tolerances are allowed.

Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 in. (50 mm) in width is allowed.

Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

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



SECTION A-A

① The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.

Illinois Department of Transportation
PASSED January 1, 2019 — ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2019 — ENGINEER OF DESIGN AND ENVIRONMENT
BDE 2310 (D5/D9)

DATE	REVISIONS
1-1-19	Removed upper landing, added
	blended transition and detectable
	warning tolerances.
1-1-17	Revised sidewalk width to
	include 24 (610) buffer
	behind curb.

CORNER PARALLEL CURB RAMPS FOR SIDEWALKS

STANDARD 424011-04

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = cfigus	DESIGNED - BNP		REVISED -
	DRAWN - DRP		REVISED -
PLOT SCALE = 2'	CHECKED - KRC		REVISED -
PLOT DATE = 12/6/2023	DATE -		REVISED -

THEODORE STREET WIDEN AND RESURFACE

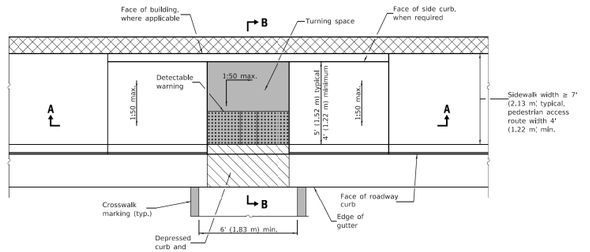
JOLIET ILLINOIS

IDOT HIGHWAY STANDARDS

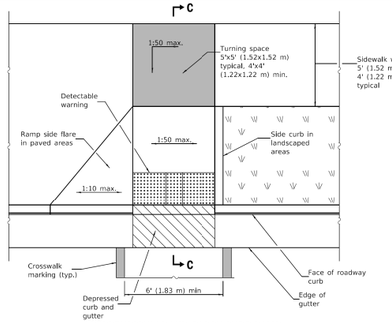
SCALE: SHEET 4 OF 15 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	67
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

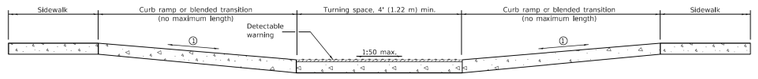
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PARALLEL MID-BLOCK CURB RAMP

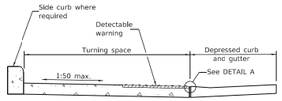


PERPENDICULAR MID-BLOCK CURB RAMP

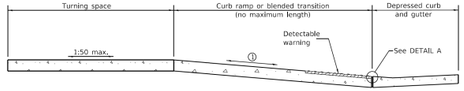


SECTION A-A

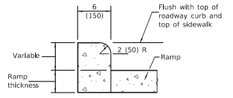
① The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.



SECTION B-B



SECTION C-C



SIDE CURB DETAIL



DETAIL A

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

Where the turning space is constrained on a side opposite a ramp, the minimum length of the turning space in the direction of the ramp-run shall be 5' (1.52 m).

Where 1:50 maximum slope is shown, 1:64 is preferred.

Detectable warnings are shown in their ideal locations but the following placement tolerances are allowed.

Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 in. (50 mm) in. width is allowed.

Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

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

Illinois Department of Transportation

PASSED January 1, 2019 — ENGINEER OF POLICY AND PROCEDURES

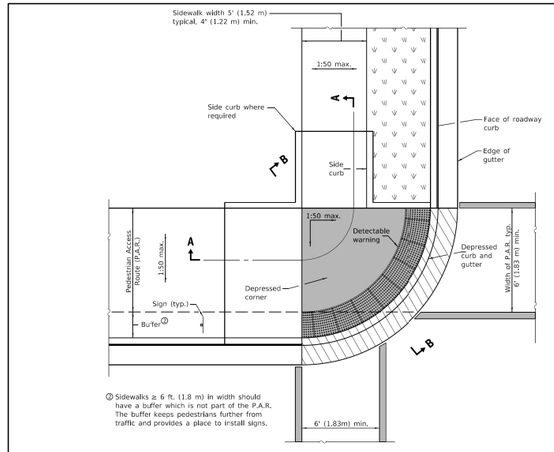
APPROVED January 1, 2019 — ENGINEER OF BRIDGES AND STRUCTURES

ISSUED 1-1-19

DATE	REVISIONS
1-1-19	Removed upper landing, added
	blended transitions and detectable
	warning tolerances.
1-1-18	Omitted diagonal slope at
	turning spaces and upper
	landings.

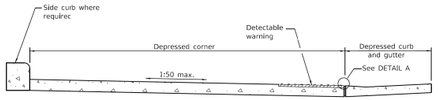
MID-BLOCK CURB RAMPS FOR SIDEWALKS

STANDARD 424016-05

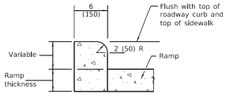


DEPRESSED CORNER

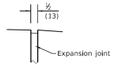
② Sidewalks ≥ 6 ft. (1.8 m) in width should have a buffer which is not part of the P.A.R. The buffer keeps pedestrians further from traffic and provides a place to install signs.



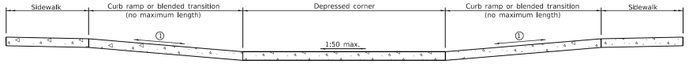
SECTION B-B



SIDE CURB DETAIL



DETAIL A



SECTION A-A

① The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.

GENERAL NOTES

This standard shall only be used for curb radii of 6 ft. (1.83 m) or greater.

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

Where 1:50 maximum slope is shown, 1:64 is preferred.

Detectable warnings are shown in their ideal tolerances but the following placement tolerances are allowed.

Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 in. (50 mm) in. width is allowed.

Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

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

Illinois Department of Transportation

PASSED January 1, 2021 — ENGINEER OF POLICY AND PROCEDURES

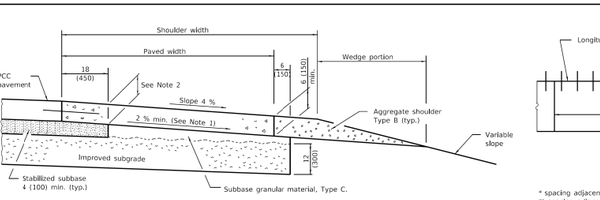
APPROVED January 1, 2021 — ENGINEER OF BRIDGES AND STRUCTURES

ISSUED 1-1-21

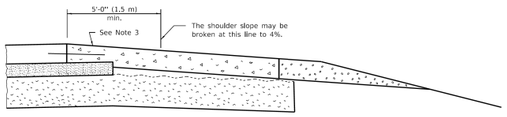
DATE	REVISIONS
1-1-21	Added crosswalk striping and
	a "buffer" for wide sidewalks.
1-1-19	Removed upper landings, added
	blended transition and detectable
	warning tolerances.

DEPRESSED CORNER FOR SIDEWALKS

STANDARD 424021-06

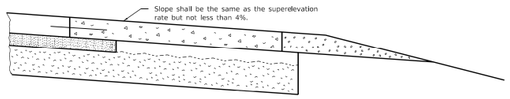


SHOULDER FOR TANGENT PAVEMENT



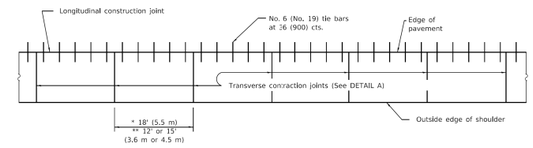
SHOULDER FOR SUPERELEVATED PAVEMENT

(Outside of curve)



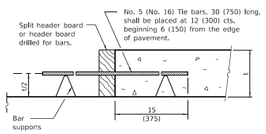
SHOULDER FOR SUPERELEVATED PAVEMENT

(Inside of curve)

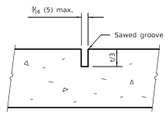


* spacing adjacent to CRC pavement
** spacing adjacent to jointed pavement to match matchline

PLAN



TRANSVERSE CONSTRUCTION JOINT



DETAIL A

TRANSVERSE CONTRACTION JOINT

GENERAL NOTES

Except as noted or shown, the dimensions and notes specified for the shoulder of the tangent pavement are typical for the shoulders of superelevated pavement.

Transverse expansion joints shall be as detailed on Standard 420001 except dowel bars will not be required.

See Standard 420001 for details not shown.

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

NOTES

Note 1: Does not apply when sub-surface drains are installed.

Note 2: When the subbase is not removed, this thickness will vary with the thickness of pavement, extended length of subbase, and the slope of pavement. When this thickness is less than 6 (150), the paved shoulder shall be stepped down at this line to provide a 6 (150) minimum thickness.

Note 3: When the superelevation rate of the pavement is between 0% and 4%, the shoulder shall be sloped at 4%. When the superelevation rate of the pavement exceeds 4%, the shoulder shall be sloped so that the algebraic difference between the pavement and shoulder slopes will not be greater than 8%.

Illinois Department of Transportation

PASSED January 1, 2022 — ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2022 — ENGINEER OF BRIDGES AND STRUCTURES

ISSUED 1-1-22

DATE	REVISIONS
1-1-22	Revised header board callout,
	Detail A and spacing of
	transverse contraction joints.
1-1-18	Modified PLAN view. Changed
	tie bar spacing to 36 (900.

PCC SHOULDER

STANDARD 483001-06

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = cfigus	DESIGNED - BNP	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 2'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE

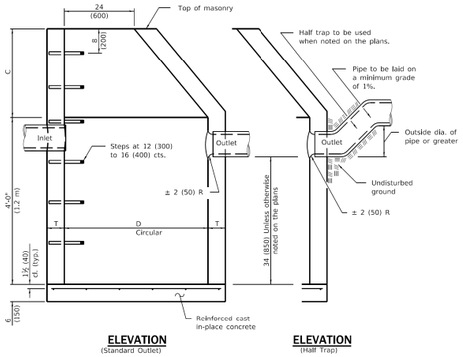
JOLIET ILLINOIS

IDOT HIGHWAY STANDARDS

SCALE: | SHEET 5 OF 15 SHEETS | STA. | TO STA.

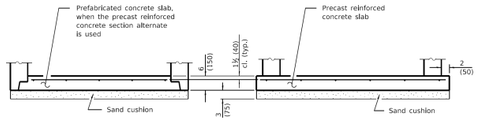
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	68
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: E:\2022\220160\Drawings\Msm\CADD_Sheets\Project 1AID_220160-sht-details-01.dgn



ELEVATION
(Standard Outlet)

ELEVATION
(Half Trap)



ALTERNATE BOTTOM SLAB

ALTERNATE MATERIALS FOR WALLS	D	C*	T (min.)
Concrete Masonry Unit	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	5 (125) 5 (125)
Brick Masonry	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	8 (200) 8 (200)
Precast Reinforced Concrete Section	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	4 (100) 5 (125)
Cast-in-place Concrete	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	6 (150) 6 (150)

* For precast reinforced concrete sections, dimension "C" may vary from the dimension given to plus 6 (150).

GENERAL NOTES

Bottom slabs shall be reinforced with a minimum of 0.20 sq. in./ft (420 sq. mm/m) in both directions with a maximum spacing of 12 (300).

Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.

See Standard 602601 for optional precast reinforced concrete flat slab top.

See Standard 602701 for details of steps.

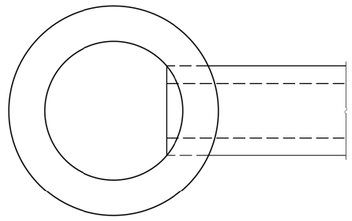
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
PASSED January 1, 2011
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2011
ENGINEER OF BRIDGES AND STRUCTURES

DATE	REVISIONS
1-1-11	Added 'Outside' to half trap
	note. Detail rein. in slabs.
	Revised general notes.
1-1-09	Switched units to
	English (metric).

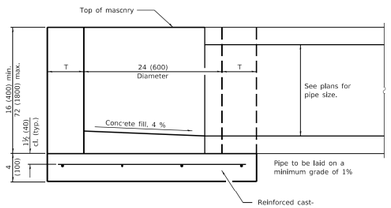
CATCH BASIN TYPE A

STANDARD 602001-02

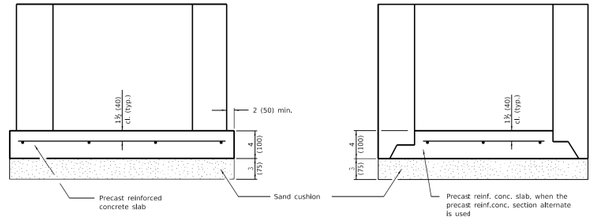


PLAN

ALTERNATE MATERIALS FOR WALLS	T
BRICK MASONRY	8 (200)
CAST-IN-PLACE CONCRETE	6 (150)
CONCRETE MASONRY UNIT	5 (125)
PRECAST REINFORCED CONCRETE SECTION	3 (75)



ELEVATION



ALTERNATE METHODS

GENERAL NOTES

Bottom slabs shall be reinforced with a minimum of 0.24 sq. in./ft. (518 sq. mm/m) in both directions with a maximum spacing of 10 (250).

Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.

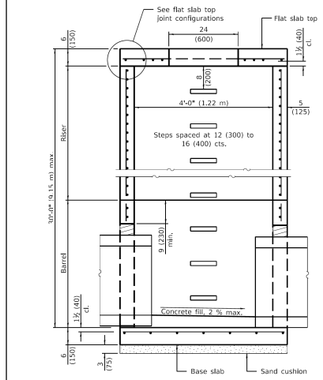
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
PASSED January 1, 2014
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2014
ENGINEER OF BRIDGES AND STRUCTURES

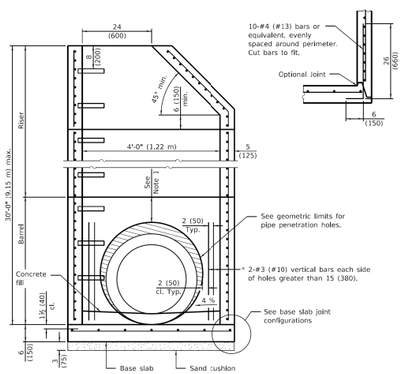
DATE	REVISIONS
1-1-14	Increased height to
	72 (1800) maximum.
1-1-11	Detailed rein. in slabs.
	Added max. limit to height.
	Added general notes.

INLET - TYPE A

STANDARD 602301-04

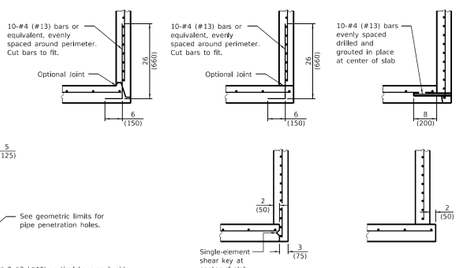


SECTION PARALLEL TO PIPE
(Without conical top riser)

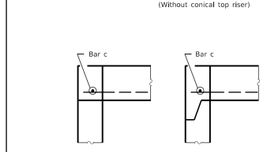


SECTION PERPENDICULAR TO PIPE
(With conical top riser)

* As an alternate, the barrel wall reinforcement may be reduced to riser wall reinforcement with #3 (#10) bars placed around the pipe penetration holes as shown. This option may be utilized when the pipe penetration holes are formed as opposed to cored.



BASE SLAB JOINT CONFIGURATIONS



FLAT SLAB TOP JOINT CONFIGURATIONS
(Shown at access hole)

GEOMETRIC LIMITS FOR PIPE PENETRATION HOLES

Note 1: A minimum of 9 (230) of monolithic reinforced concrete shall be maintained above pipe penetration holes > 24 (600).

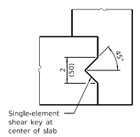
Note 2: A minimum 12 (300) inside arc length of reinforced concrete ssall be maintained between pipe penetration holes > 15 (380).

Note 3: A maximum of 60 percent of the inside perimeter of the reinforced concrete manhole walls may be removed.

Note 4: Horizontal joints that intersect pipe penetration holes > 15 (330) shall have one joint sqllce for every location around the perimeter of the joint where the inside arc length between pipe penetration holes is < 24 (600). See joint splice detail.

Note 5: The recommended pipe penetration hole is equal to the O.D. of the pipe plus 4 (100).

Note 6: Only pipe penetration holes ≤ 15 (380) are allowed in riser sections.



SHEAR KEY GEOMETRY
(Reinforcement not shown for clarity)

GENERAL NOTES

The manufacturer shall ensure that all precast manhole sections are additionally reinforced where required to resist damage from handling, shipping and installation stresses.

Lifting holes shall be located in the sections as per the manufacturer's recommendations.

See Standard 602701 for details of manhole steps.

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

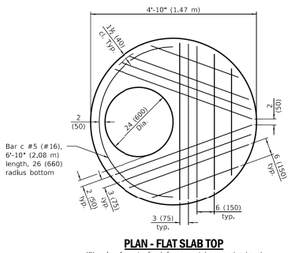
Illinois Department of Transportation
PASSED January 1, 2021
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2021
ENGINEER OF BRIDGES AND STRUCTURES

DATE	REVISIONS
1-1-21	Revised Note 1 and lifting hole
	general note.
3-1-19	Moved wall reinforcement from
	inside face to middle.

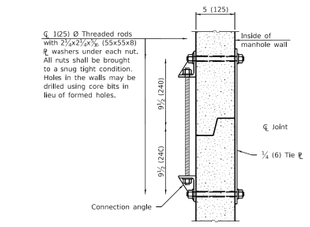
PRECAST MANHOLE TYPE A 4' (1.22 m) DIAMETER

(Sheet 1 of 2)

STANDARD 602401-07



PLAN - FLAT SLAB TOP
(Showing layout of reinforcement bars and c bars)



JOINT SPLICE

FLAT SLAB TOP REINFORCEMENT

Location	WWR (each direction)		Rebar		
	A_s (min.)	Spacing (max.)	A_s (min.)	Spacing (max.)	Bar Size
Bottom Mat	** 0.62 sq. in./ft. (1312 sq. mm/m)	6 (150)	See plan view for rebar orientation and spacing and this table for bar size		#5 (#16)

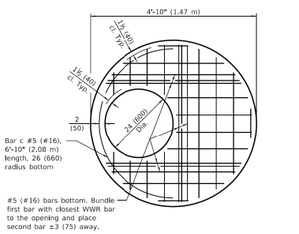
** Only one layer of WWR permitted to avoid congestion.

WALL REINFORCEMENT

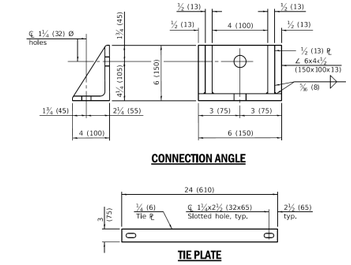
Location	Orientation	WWR or Rebar	
		A_s (min.)	Spacing (max.)
Riser	Circumferential	0.12 sq. in./ft. (254 sq. mm/m)	6 (150)
	Vertical	0.045 sq. in./ft. (95 sq. mm/m)	8 (200)
Barrel	Circumferential	0.12 sq. in./ft. (254 sq. mm/m)	6 (150)
	Vertical	0.16 sq. in./ft. (339 sq. mm/m)	4 (100)

BASE SLAB REINFORCEMENT

Location	Total Height	WWR or Rebar (each direction)	
		A_s (min.)	Spacing (max.)
Top Mat	≤ 20 ft. (6.10 m)	0.24 sq. in./ft. (508 sq. mm/m)	10 (250)
	> 20 ft. (6.10 m)	0.24 sq. in./ft. (508 sq. mm/m)	10 (250)



PLAN - FLAT SLAB TOP
(Showing layout of welded wire reinforcement and c bars)



CONNECTION ANGLE

TIE PLATE

Illinois Department of Transportation
PASSED January 1, 2021
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2021
ENGINEER OF BRIDGES AND STRUCTURES

PRECAST MANHOLE TYPE A 4' (1.22 m) DIAMETER

(Sheet 2 of 2)

STANDARD 602401-07

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = cfigus	DESIGNED - BNP	REVISED -	
	DRAWN - DRP	REVISED -	
PLOT SCALE = 2'	CHECKED - KRC	REVISED -	
PLOT DATE = 12/6/2023	DATE -	REVISED -	

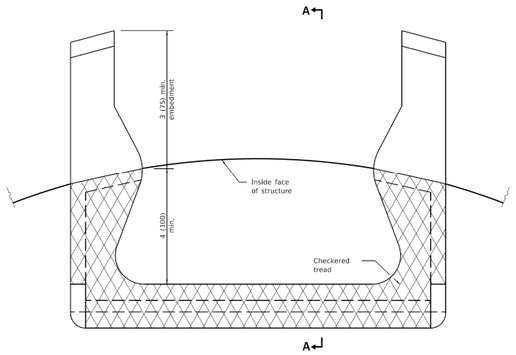
THEODORE STREET WIDEN AND RESURFACE
JOLIET ILLINOIS

IDOT HIGHWAY STANDARDS
SCALE: SHEET 6 OF 15 SHEETS STA. TO STA.

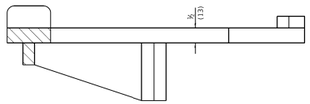
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	69
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
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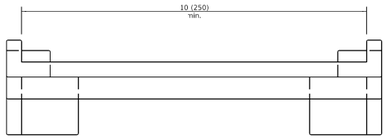
CAST IRON STEPS



PLAN VIEW



SECTION A-A



ELEVATION VIEW

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

DATE	REVISIONS
1-1-09	Switched units to English (metric).
4-1-06	Revised title, drawings, and added plastic steps on sheet 2

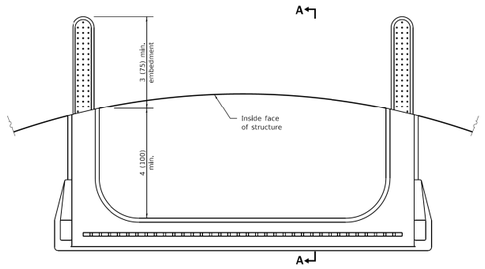
MANHOLE STEPS

(Sheet 1 of 2)

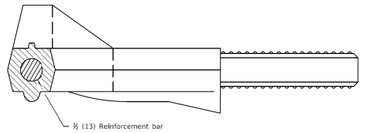
STANDARD 602701-02

Illinois Department of Transportation
PASSED January 1, 2009 — ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2009 — ENGINEER OF DESIGN AND ENVIRONMENT
DGN: 602701-1-01

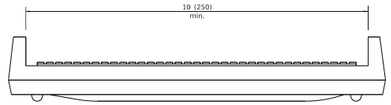
PLASTIC STEPS



PLAN VIEW



SECTION A-A



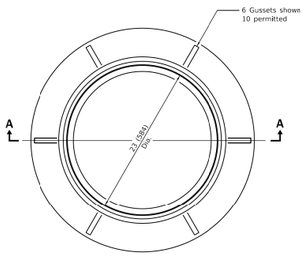
ELEVATION VIEW

MANHOLE STEPS

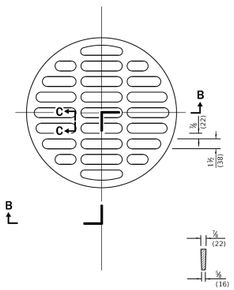
(Sheet 2 of 2)

STANDARD 602701-02

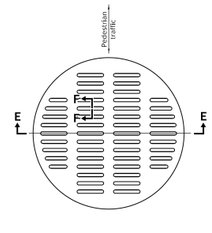
Illinois Department of Transportation
PASSED January 1, 2009 — ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2009 — ENGINEER OF DESIGN AND ENVIRONMENT
DGN: 602701-1-01

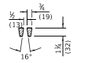


CAST FRAME

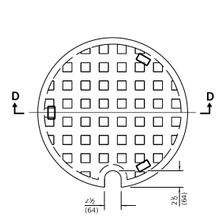


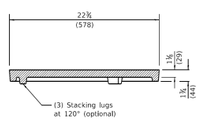
SECTION C-C





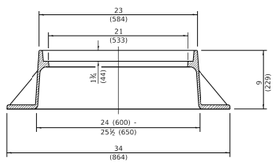
SECTION F-F



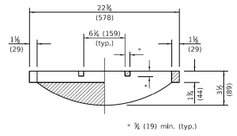


SECTION D-D

CAST CLOSED LID
Gray Iron Lid

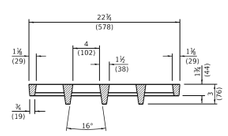


SECTION A-A
Gray Iron



SECTION B-B

CAST OPEN LID



SECTION E-E

ADA COMPLIANT CAST OPEN LID

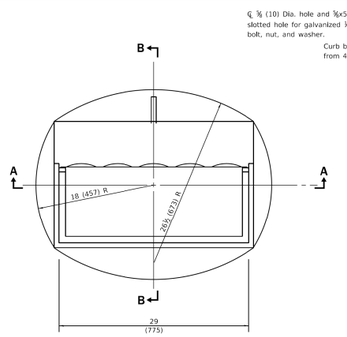
All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-20	Revised dimension in Section B-B of cast open lid.
1-1-15	Revised dimensioning of frame. Added ADA compliant open lid.
1-1-09	Switched units to English (metric).

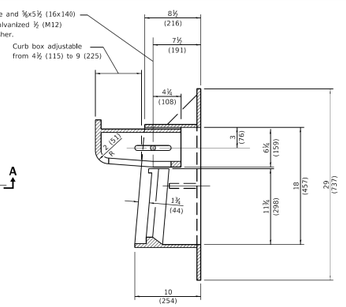
FRAME AND LIDS TYPE 1

STANDARD 604001-05

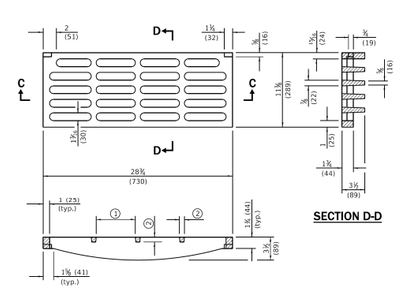
Illinois Department of Transportation
PASSED January 1, 2020 — ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2020 — ENGINEER OF DESIGN AND ENVIRONMENT
DGN: 604001-1-05



CAST FRAME



SECTION B-B

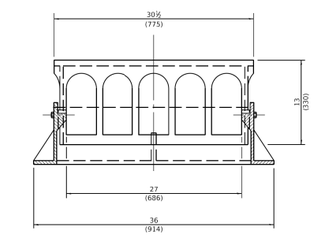


SECTION C-C

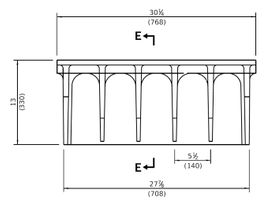
SECTION D-D

① = 6⅛ (159) max. (typ.)
② = ¾ (19) min. (typ.)

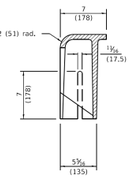
CAST GRATE



SECTION A-A



ALTERNATE CURB BOX



SECTION E-E

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

DATE	REVISIONS
1-1-15	Revised dimensions of frame and alternate curb box.
4-1-09	Switched units to English (metric).

FRAME AND GRATE TYPE 11

STANDARD 604051-04

Illinois Department of Transportation
PASSED January 1, 2015 — ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2015 — ENGINEER OF DESIGN AND ENVIRONMENT
DGN: 604051-1-04

MODEL: Default
FILE NAME: E:\2022\220160\Drawings\Mstn\CADD_Sheets\Project 1AUD\220160-sht-detail-s-01.dgn

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = cfigus	DESIGNED - BNP	REVISED -	
	DRAWN - DRP	REVISED -	
PLOT SCALE = 2'	CHECKED - KRC	REVISED -	
PLOT DATE = 12/6/2023	DATE -	REVISED -	

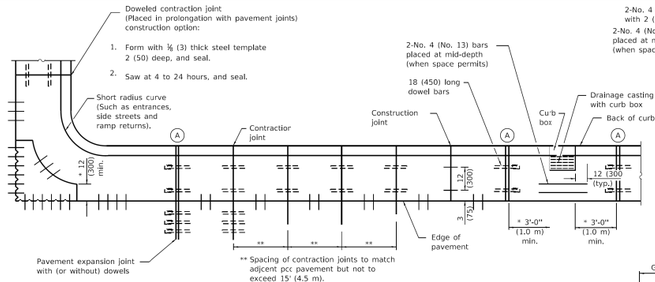
THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

IDOT HIGHWAY STANDARDS

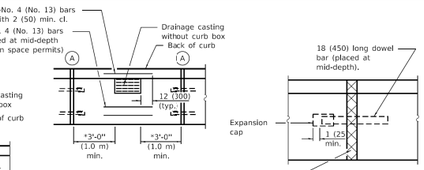
SCALE: | SHEET 7 OF 15 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	70
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

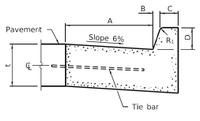


PLAN

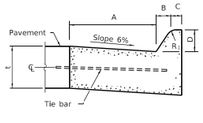
ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE



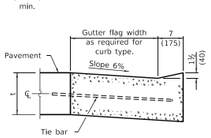
DETAIL (A) EXPANSION JOINT



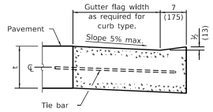
BARRIER CURB



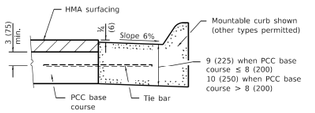
MOUNTABLE CURB



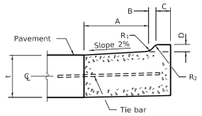
DEPRESSED CURB (TYPICAL)



DEPRESSED CURB ADJACENT TO CURB RAMP ACCESSIBLE TO THE DISABLED



ADJACENT TO PCC BASE COURSE WITH HMA SURFACING



M-2.06 (M-5.15) and M-2.12 (M-5.30)

TABLE OF DIMENSIONS BARRIER CURB

TYPE	A	B	C	D	R_1
B-6.06 * (B-15.15)	6 (150)	1 (25)	6 (150)	6 (150)	1 (25)
B-6.12 (B-15.3)	12 (300)	1 (25)	6 (150)	6 (150)	1 (25)
B-6.18 (B-15.45)	18 (450)	1 (25)	6 (150)	6 (150)	1 (25)
B-6.24 (B-15.60)	24 (600)	1 (25)	6 (150)	6 (150)	1 (25)
B-9.12 (B-22.30)	12 (300)	2 (50)	5 (125)	9 (225)	1 (25)
B-9.18 (B-22.45)	18 (450)	2 (50)	5 (125)	9 (225)	1 (25)
B-9.24 (B-22.60)	24 (600)	2 (50)	5 (125)	9 (225)	1 (25)

* For corner islands only.

TABLE OF DIMENSIONS MOUNTABLE CURB

TYPE	A	B	C	D	R_1	R_2
M-2.06 (M-5.15)	6 (150)	2 (50)	4 (100)	2 (50)	3 (75)	2 (50)
M-2.12 (M-5.30)	12 (300)	2 (50)	4 (100)	2 (50)	3 (75)	2 (50)
M-4.06 (M-10.15)	6 (150)	4 (100)	3 (75)	3 (100)	4 (100)	3 (75)	NA
M-4.12 (M-10.30)	12 (300)	4 (100)	3 (75)	3 (100)	4 (100)	3 (75)	NA
M-4.18 (M-10.45)	18 (450)	4 (100)	3 (75)	3 (100)	4 (100)	3 (75)	NA
M-4.24 (M-10.60)	24 (600)	4 (100)	3 (75)	3 (100)	4 (100)	3 (75)	NA
M-6.06 (M-15.15)	6 (150)	6 (150)	2 (50)	6 (150)	2 (50)	2 (50)	NA
M-6.12 (M-15.30)	12 (300)	6 (150)	2 (50)	6 (150)	2 (50)	2 (50)	NA
M-6.18 (M-15.45)	18 (450)	6 (150)	2 (50)	6 (150)	2 (50)	2 (50)	NA
M-6.24 (M-15.60)	24 (600)	6 (150)	2 (50)	6 (150)	2 (50)	2 (50)	NA

GENERAL NOTES

The bottom slope of combination curb and gutter constructed adjacent to pcc pavement shall be the same slope as the subbase or 6% when subbase is omitted.

t = Thickness of pavement.

Longitudinal joint tie bars shall be No. 6 (No. 19) at 36 (900) centers in accordance with details for longitudinal construction joint shown on Standard 420001.

A minimum clearance of 2 (50) between the end of the tie bar and the back of the curb shall be maintained.

The dowel bars shown in contraction joints will only be required for monolithic construction.

See Standard 606301 for details of corner islands.

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

Illinois Department of Transportation

PASSED January 1, 2022 — Engineer of Policy and Procedures

APPROVED January 1, 2022 — Engineer of Design and Environment

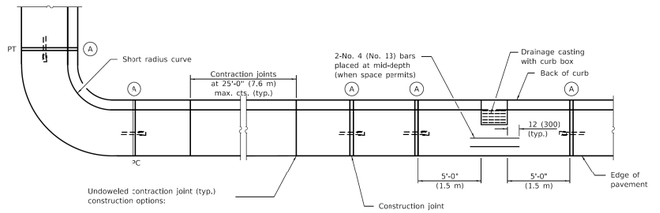
606001-08 (1-1-22)

DATE	REVISIONS
1-1-22	Revised contraction joint spacing adjacent to pcc pavement.,
1-1-18	Revised General Note for tie bar spacing to 36 (900) cts.

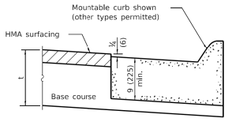
CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER

(Sheet 1 of 2)

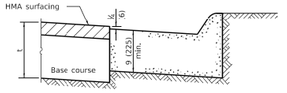
STANDARD 606001-08



PLAN

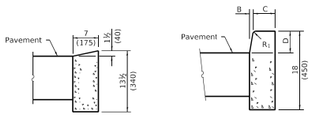


ON DISTURBED SUBGRADE



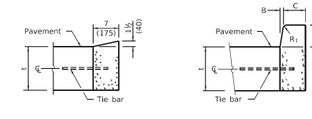
ON UNDISTURBED SUBGRADE

ADJACENT TO FLEXIBLE PAVEMENT



DEPRESSED CURB **BARRIER CURB**

ADJACENT TO FLEXIBLE PAVEMENT



DEPRESSED CURB **BARRIER CURB**

ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE

CONCRETE CURB TYPE B

Illinois Department of Transportation

PASSED January 1, 2022 — Engineer of Policy and Procedures

APPROVED January 1, 2022 — Engineer of Design and Environment

606001-08 (1-1-22)

CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER

(Sheet 2 of 2)

STANDARD 606001-08

MODEL: Default
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V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = cfigus	DESIGNED - BNP	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 2'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

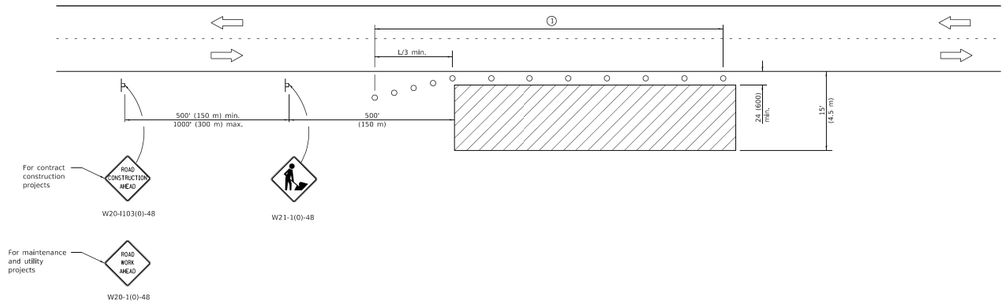
THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

IDOT HIGHWAY STANDARDS

SCALE: | SHEET 8 OF 15 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	71
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



TYPICAL APPLICATIONS

Utility operations
Culvert extensions
Side slope changes
Guardrail installation and maintenance
Delineator installation
Landscaping operations
Shoulder repair
Sign installation and maintenance

SYMBOLS

Work area

Sign

Cone, drum or barricade

(1) When the work operation exceeds one hour, cones, drums or barricades shall be placed at 25' (8 m) centers 'or L/3 distance, and at 50' (15 m) centers through the remainder of the work area.

GENERAL NOTES

This Standard is used where any vehicles, equipment, workers or their activities will encroach in the area 15' (4.5 m) to 24 (600) from the edge of pavement.

Calculate L as follows:

SPEED LIMIT	FORMULAS English	(Metric)
40 mph (70 km/h) or less:	$L=\frac{WS^2}{60}$	$L=\frac{WS^2}{150}$
45 mph (80 km/h) or greater:	L=(W)(S)	L=0.65(W)(S)

W = Width of offset in feet (meters).

S = Normal posted speed mph (km/h).

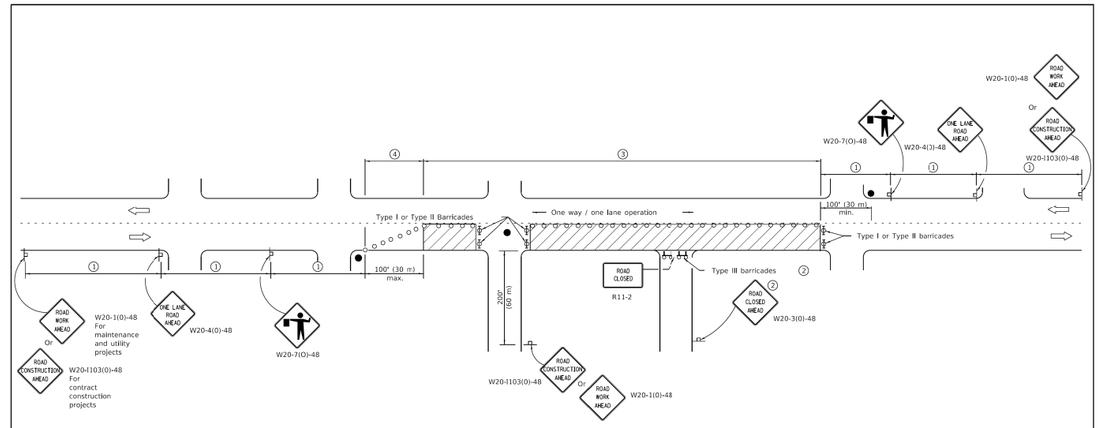
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
PASSED January 1, 2014 — ENGINEER OF SAFETY ENGINEERING
APPROVED January 1, 2014 — ENGINEER OF DESIGN AND ENVIRONMENT
BOARD 1-1-07

DATE	REVISIONS
1-1-14	Revised workers sign
	number to agree with
	current MUTCD.
1-1-13	Omitted text 'WORKERS'
	sign.

OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE

STANDARD 701006-05



SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

SYMBOLS

Work area

Cone, drum or barricade (not required for moving operations)

Sign on portable or permanent support

Flagger with traffic control sign

Barricade or drum with flashing light

Type III barricade with flashing lights

(1) Refer to SIGN SPACING TABLE for distances.

(2) For approved sideroad closures.

(3) Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.

(4) Cones, drums or barricades at 20' (6 m) centers.

GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement requiring the closure of one traffic lane in an urban area.

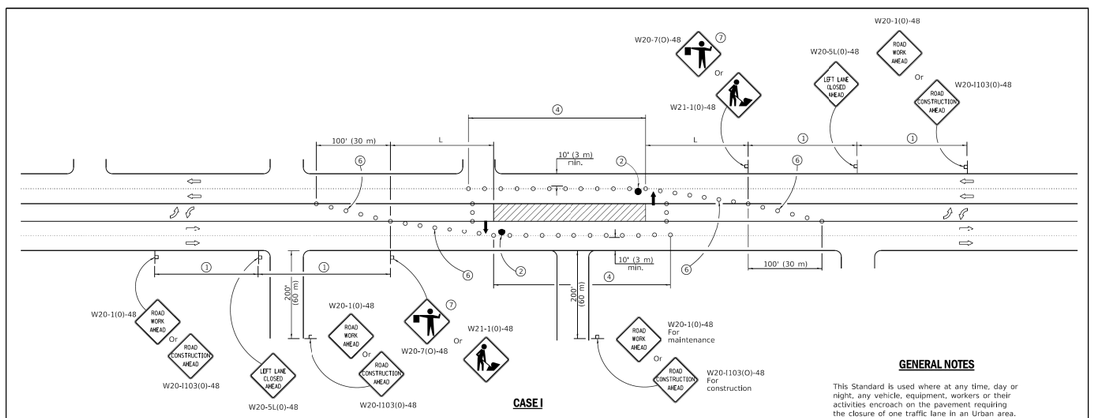
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
PASSED January 1, 2011 — ENGINEER OF SAFETY ENGINEERING
APPROVED January 1, 2011 — ENGINEER OF DESIGN AND ENVIRONMENT
BOARD 1-1-07

DATE	REVISIONS
1-1-11	Revised flagger sign.
1-1-09	Switched units to
	English (metric).
	Corrected sign No.'s.

URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED

STANDARD 701501-06



SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

SYMBOLS

Arrow board

Work area

Barricade or drum with steady burning mondirectional light

Flagger with traffic control sign

Cone, drum or barricade

Sign on portable or permanent support

Type III barricade with flashing lights

CASE I

(1) Refer to SIGN SPACING TABLE for distances.

(2) Required for speeds > 40 mph (70 km/h).

(3) Required if work exceeds 500' (164 m) or 1 block, repeat every 1 mile (1.6 km).

(4) Cones at 25' (8 m) centers for 250' (75 m) on approach. Additional cones may be placed at 50' (15 m) centers. When drums or type I or II barricades are used, the interval between devices may be doubled.

(5) For approved sideroad closures.

(6) Cones, drums or barricades at 20' (6 m) centers in taper.

(7) Use flagger sign only when flagger is present.

GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement requiring the closure of one traffic lane in an Urban area.

If the work operation is performed between 9:00 a.m. and 3:00 p.m. and does not exceed 15 min. Traffic protection shall be as shown for Standard 701426.

Calculate L as follows:

SPEED LIMIT	FORMULAS English	(Metric)
40 mph (70 km/h) or less:	$L=\frac{WS^2}{60}$	$L=\frac{WS^2}{150}$
45 mph (80 km/h) or greater:	L=(W)(S)	L=0.65(W)(S)

W = Width of offset in feet (meters),

S = Normal posted speed mph (km/h),

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

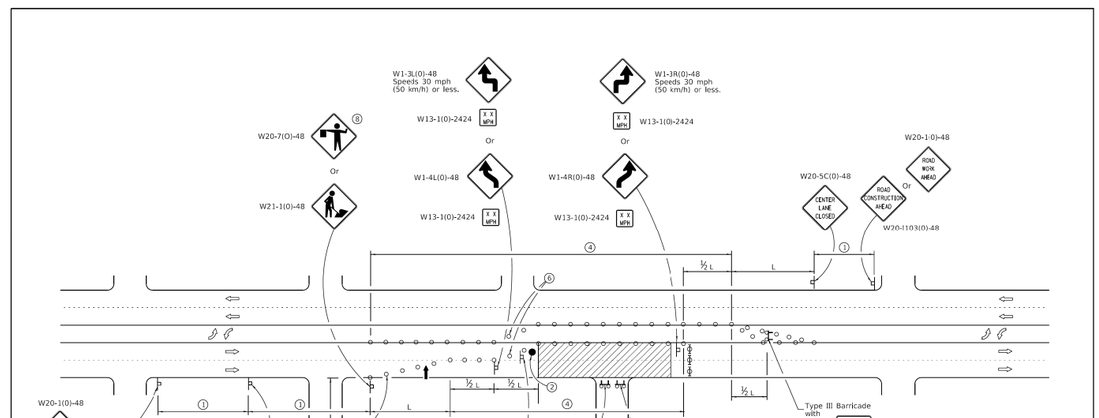
Illinois Department of Transportation
APPROVED January 1, 2016 — ENGINEER OF SAFETY PROG. AND ENGINEERING
APPROVED January 1, 2019 — ENGINEER OF DESIGN AND ENVIRONMENT
BOARD 1-1-13

DATE	REVISIONS
1-1-19	Revised to allow cones at night.
1-1-18	Moved arrow boards into
	closed lanes for CASE I.

URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE

(Sheet 1 of 4)

STANDARD 701602-10



CASE II

Illinois Department of Transportation
APPROVED January 1, 2019 — ENGINEER OF SAFETY PROG. AND ENGINEERING
APPROVED January 1, 2019 — ENGINEER OF DESIGN AND ENVIRONMENT
BOARD 1-1-13

URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE

(Sheet 2 of 4)

STANDARD 701602-10

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = cfigus	DESIGNED - BNP	REVISED -	
	DRAWN - DRP	REVISED -	
PLOT SCALE = 2'	CHECKED - KRC	REVISED -	
PLOT DATE = 12/6/2023	DATE -	REVISED -	

THEODORE STREET WIDEN AND RESURFACE

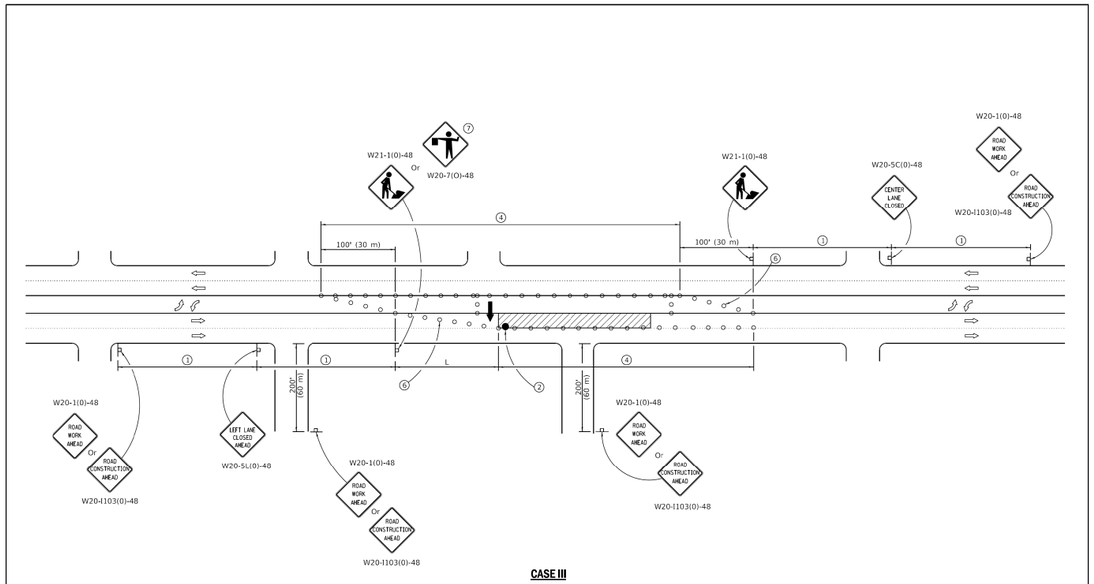
JOLIET ILLINOIS

IDOT HIGHWAY STANDARDS

SCALE: | SHEET 9 OF 15 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	72
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

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CASE III

Illinois Department of Transportation

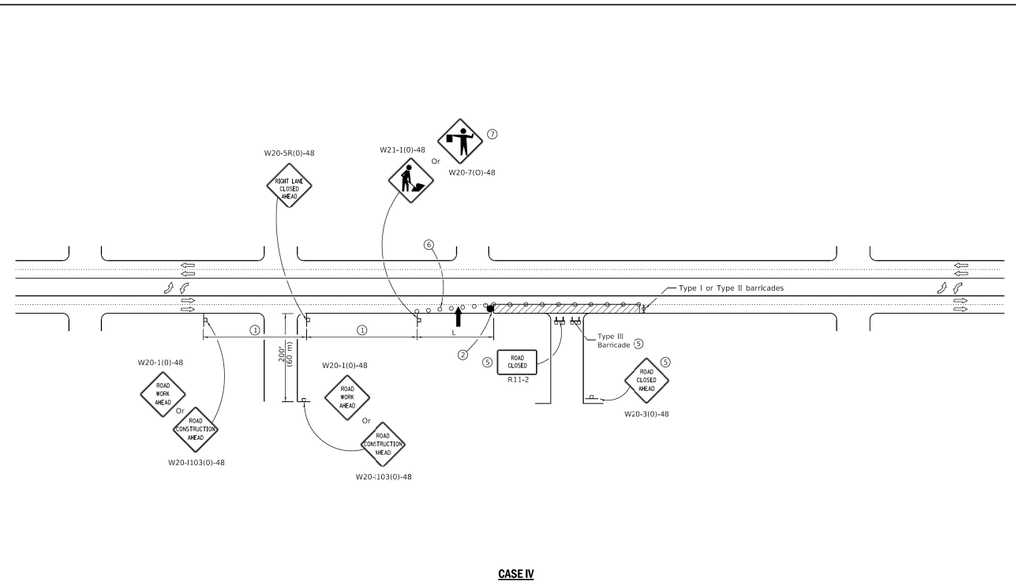
PASSED April 1 2016 — ENGINEER OF SAFETY ENGINEERING
APPROVED April 1 2016 — ENGINEER OF DESIGN AND ENVIRONMENT

BD402 1-1-12

URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE

(Sheet 3 of 4)

STANDARD 701602-10



CASE IV

Illinois Department of Transportation

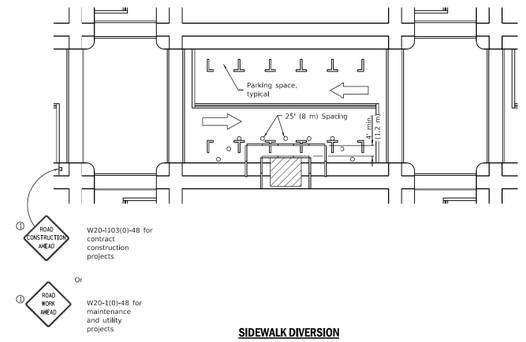
PASSED April 1 2016 — ENGINEER OF SAFETY ENGINEERING
APPROVED April 1 2016 — ENGINEER OF DESIGN AND ENVIRONMENT

BD402 1-1-12

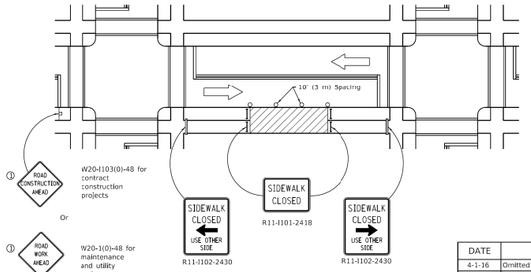
URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE

(Sheet 4 of 4)

STANDARD 701602-10



SIDEWALK DIVERSION



SIDEWALK CLOSURE

SYMBOLS

- Work area
- Sign on portable or permanent support
- Barricade or drum
- Cone, drum or barricade
- Type III barricade
- Detectable pedestrian channelizing barricade

① Omit whenever duplicated by road work traffic control.

GENERAL NOTES

This Standard is used where, at any time, pedestrian traffic must be rerouted due to work being performed.

This Standard must be used in conjunction with other Traffic Control & Protection Standards when roadway traffic is affected.

Temporary facilities shall be detectable and accessible.

The temporary pedestrian facilities shall be provided on the same side of the closed facilities whenever possible.

The SIDEWALK CLOSED / USE OTHER SIDE sign shall be placed at the nearest crosswalk or intersection to each end of the closure. Where the closure occurs at a corner, the signs shall be erected on the corners across the street from the closure. The SIDEWALK CLOSED signs shall be used at the ends of the actual closures.

Type III barricades and R11-2-4830 signs shall be positioned as shown in "ROAD CLOSED TO ALL TRAFFIC" detail on Standard 701901.

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

DATE	REVISIONS
4-1-16	Omitted orange safety fence
	from standard as this is
	covered in the std. spec.
1-1-12	Added SIDEWALK DIVERSION.
	Modified appearance of
	plan views. Renamed Std.

Illinois Department of Transportation

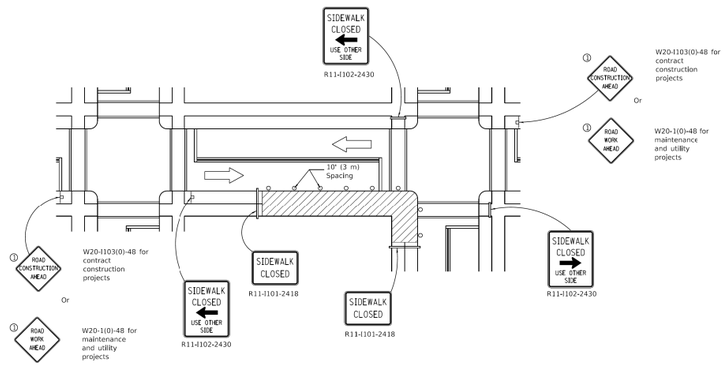
PASSED April 1 2016 — ENGINEER OF SAFETY ENGINEERING
APPROVED April 1 2016 — ENGINEER OF DESIGN AND ENVIRONMENT

BD402 1-1-12

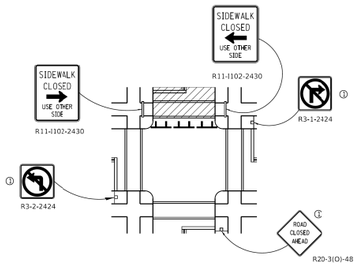
SIDEWALK, CORNER OR CROSSWALK CLOSURE

(Sheet 1 of 2)

STANDARD 701801-06



CORNER CLOSURE



CROSSWALK CLOSURE

Illinois Department of Transportation

PASSED April 1 2016 — ENGINEER OF SAFETY ENGINEERING
APPROVED April 1 2016 — ENGINEER OF DESIGN AND ENVIRONMENT

BD402 1-1-12

SIDEWALK, CORNER OR CROSSWALK CLOSURE

(Sheet 2 of 2)

STANDARD 701801-06

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = cfigus	DESIGNED - BNP	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 2'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE

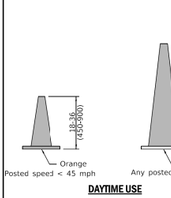
JOLIET ILLINOIS

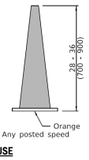
IDOT HIGHWAY STANDARDS

SCALE: | SHEET 10 OF 15 SHEETS | STA. | TO STA.

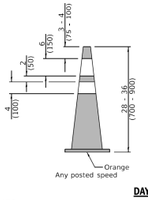
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		ILLINOIS	FED. AID PROJECT	

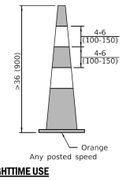
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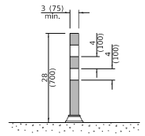
DAYTIME USE



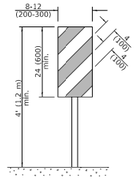


DAY OR NIGHTTIME USE

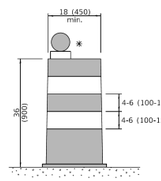
CONES



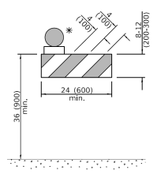
TUBULAR MARKER



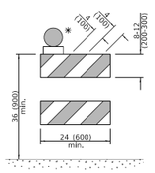
VERTICAL PANEL
POST MOUNTED



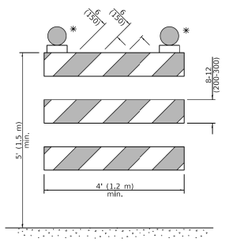
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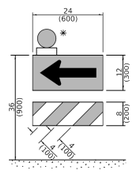
TYPE I BARRICADE



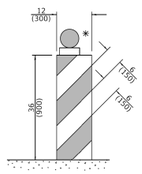
TYPE II BARRICADE



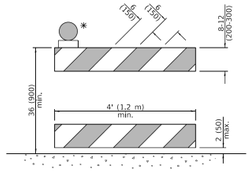
TYPE III BARRICADE



DIRECTION INDICATOR BARRICADE



VERTICAL BARRICADE



DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE

✱ Warning lights (if required)

GENERAL NOTES

All heights shown shall be measured above the pavement surface.

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

DATE	REVISIONS
1-1-19	Revised cone usage and
	added cones >36" (900 m) height.
1-1-18	Revised END WORK ZONE
	SPEED LIMIT sign from
	orange to white background.

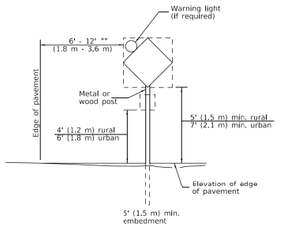
Illinois Department of Transportation

APPROVED January 1, 2019
ENGINEER OF SAFETY, ROAD AND ENGINEERING
APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

BD629 (1-1-19)

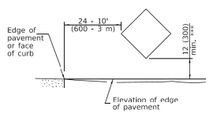
TRAFFIC CONTROL DEVICES
(Sheet 1 of 3)

STANDARD 701901-08



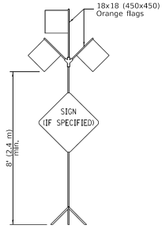
POST MOUNTED SIGNS

** When curb or paved shoulder are present this dimension shall be 24 (600) to the face of curb or 6' (1.8 m) to the outside edge of the paved shoulder.



SIGNS ON TEMPORARY SUPPORTS

*** When work operations exceed four days, this dimension shall be 5' (1.5 m) min. If located behind other devices, the height shall be sufficient to be seen completely above the devices.



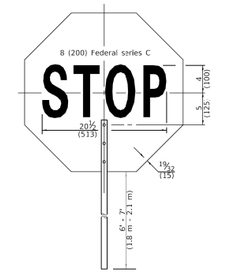
HIGH LEVEL WARNING DEVICE



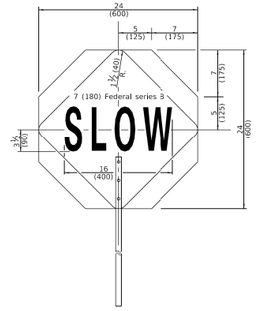
W12-I103-4848

WIDTH RESTRICTION SIGN

XX'-XX" width and X miles are variable.



FRONT SIDE



REVERSE SIDE

FLAGGER TRAFFIC CONTROL SIGN

Illinois Department of Transportation

APPROVED January 1, 2019
ENGINEER OF SAFETY, ROAD AND ENGINEERING
APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

BD629 (1-1-19)

TRAFFIC CONTROL DEVICES
(Sheet 2 of 3)

STANDARD 701901-08



G20-I104(0)-6036



G20-I105(0)-6024

This signing is required for all projects 2 miles (3200 m) or more in length.

ROAD CONSTRUCTION NEXT X MILES sign shall be placed 500' (150 m) in advance of project limits.

END CONSTRUCTION sign shall be erected at the end of the job unless another job is within 2 miles (3200 m).

Dual sign dispays shall be utilized on multi-lane highways

WORK LIMIT SIGNING



W21-I105(0)-3618
R2-1-3648
R10-I108p-3618 ****
R2-I106p-3618

Sign assembly as shown on Standards or as allowed by District Operations.

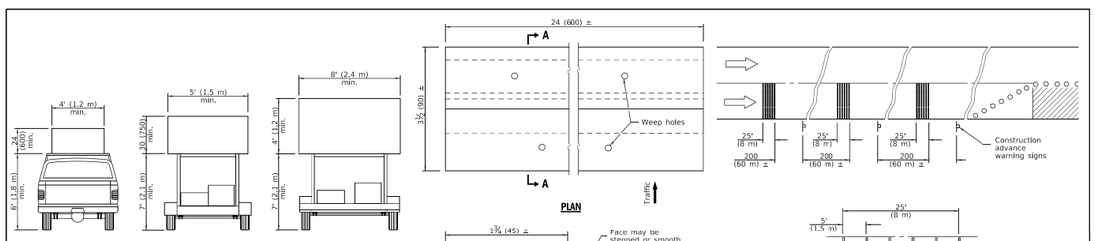


G20-I103-6036

This sign shall be used when the above sign assembly is used.

HIGHWAY CONSTRUCTION SPEED ZONE SIGNS

**** R10-I108p shall only be used along roadways under the juristiction of the State.



TYPE A ROOF MOUNTED

TYPE B ROOF OR TRAILER MOUNTED

TYPE C TRAILER MOUNTED

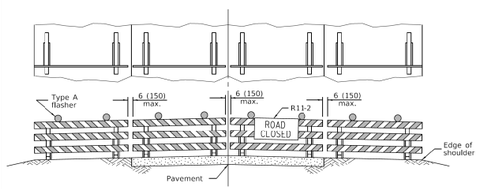
ARROW BOARDS

PLAN

SECTION A-A

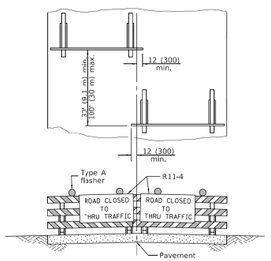
TYPICAL INSTALLATION

TEMPORARY RUMBLE STRIPS



ROAD CLOSED TO ALL TRAFFIC

Reflectorized striping may be omitted on the back side of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the sign may be mounted on an NCHRP 350 temporary sign support directly in front of the barricade.



ROAD CLOSED TO THRU TRAFFIC

Reflectorized striping shall appear on both sides of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the signs may be mounted on NCHRP 350 temporary sign supports directly in front of the barricade.

TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD

Illinois Department of Transportation

APPROVED January 1, 2019
ENGINEER OF SAFETY, ROAD AND ENGINEERING
APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

BD629 (1-1-19)

TRAFFIC CONTROL DEVICES
(Sheet 3 of 3)

STANDARD 701901-08

MODEL: Default
FILE NAME: E:\2022\22016\D\Drawings\Mstn\CADD_Sheets\Project 1A\D122016D-sht-details-01.dgn

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = cfigus	DESIGNED - BNP	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 2'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

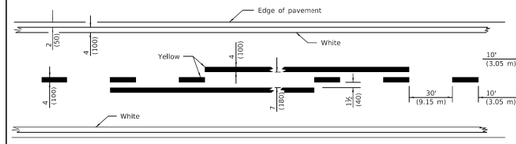
THEODORE STREET WIDEN AND RESURFACE

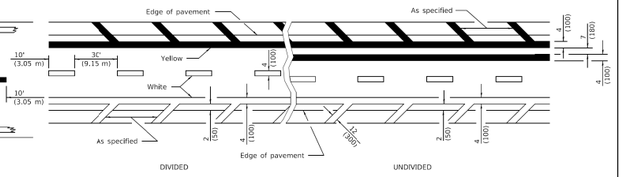
JOLIET ILLINOIS

IDOT HIGHWAY STANDARDS

SCALE: SHEET 11 OF 15 SHEETS STA. TO STA.

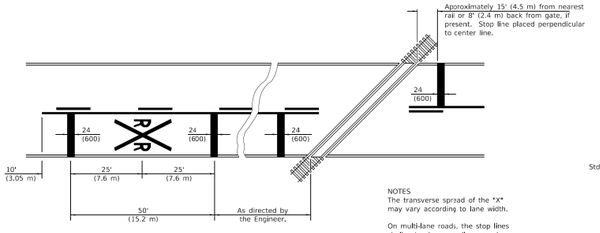
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	74
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

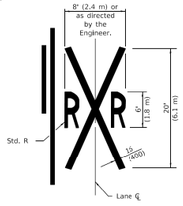




2 LANE **MULTI LANE**

LANE AND EDGE LINES





NOTES
The transverse spread of the "X" may vary according to lane width.

On multi-lane roads, the stop lines shall extend across all approach lanes and separate RXR symbols shall be placed adjacent to each other in each lane.

When the pavement marking symbol is used, a portion of the symbol should be located directly adjacent to the Advance Warning Sign (W10-1) as placed by Table 2C-4, Condition B of the MUTCD.

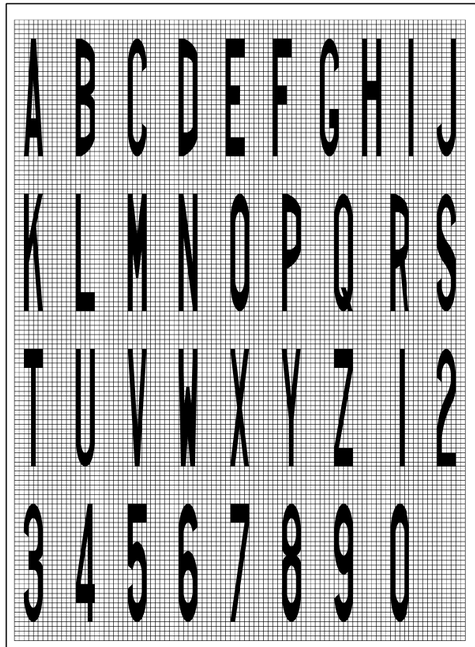
PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

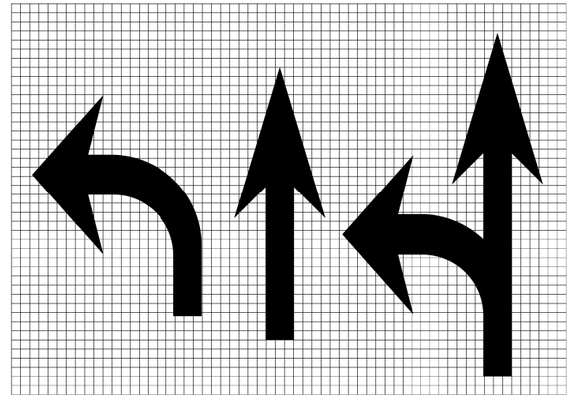
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
PASSED January 1, 2015
ENGINEER OF OPERATIONS
APPROVED January 1, 2015
ENGINEER OF DESIGN AND ENVIRONMENT
BDE/ISTB 1-1-07

DATE	REVISIONS
1-1-15	Added symbols. Revised
	bike symbol. Revised note
	for stop line at RR crossing.
1-1-14	Added bike symbol. Renarried
	'LANE DROP ARROW' detail to
	'LANE-REDUCTION ARROW'.

TYPICAL PAVEMENT MARKINGS
(Sheet 1 of 3)
STANDARD 780001-05







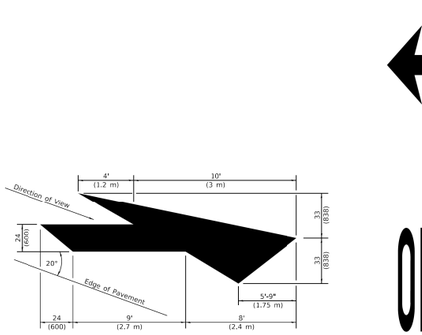
Legend Height	Arrow Size	a
6' (1.8 m)	Small	2.9 (74)
8' (2.4 m)	Large	3.8 (96)

The space between adjacent letters or numerals should be approximately 3 (75) for 6' (1.8 m) legend and 4 (100) for 8' (2.4 m) legend.

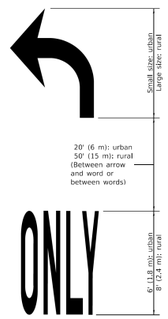
LETTER AND ARROW GRID SCALE

Illinois Department of Transportation
PASSED January 1, 2015
ENGINEER OF OPERATIONS
APPROVED January 1, 2015
ENGINEER OF DESIGN AND ENVIRONMENT
BDE/ISTB 1-1-07

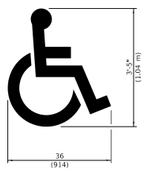
TYPICAL PAVEMENT MARKINGS
(Sheet 2 of 3)
STANDARD 780001-05



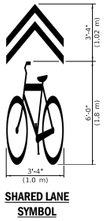
LANE-REDUCTION ARROW
Right lane-reduction arrow shown. Use mirror image for left lane.



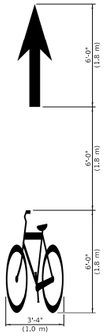
WORD AND ARROW LAYOUT



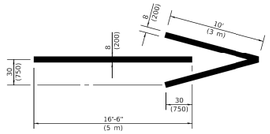
INTERNATIONAL SYMBOL OF ACCESSILITY



SHARED LANE SYMBOL



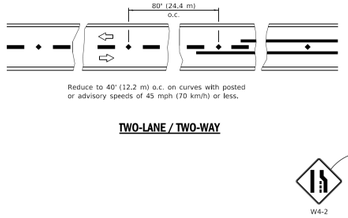
BIKE SYMBOL
(Arrow is optional.)



WRONG WAY ARROW

Illinois Department of Transportation
PASSED January 1, 2015
ENGINEER OF OPERATIONS
APPROVED January 1, 2015
ENGINEER OF DESIGN AND ENVIRONMENT
BDE/ISTB 1-1-07

TYPICAL PAVEMENT MARKINGS
(Sheet 3 of 3)
STANDARD 780001-05

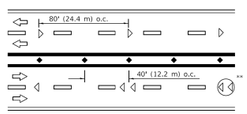


TWO-LANE / TWO-WAY

LANE REDUCTION TRANSITION

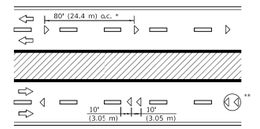
*,** See MULTI LANE DIVIDED detail for lane marker notes.

TWO-WAY LEFT TURN



*,** See MULTI LANE DIVIDED detail for lane marker notes.

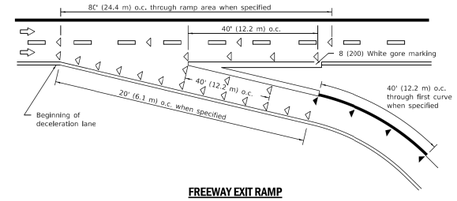
MULTI-LANE UNDIVIDED



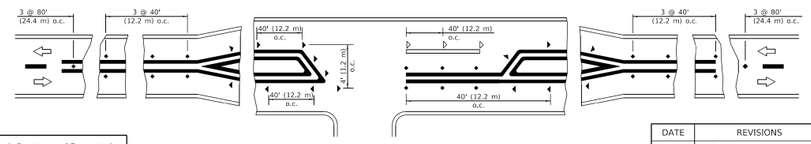
* Reduce to 40' (12.2 m) o.c. on curves where advisory speeds are 10 mph (15 km/h) lower than posted speeds.

** Where double lane line markers are specified, they shall be spaced as shown.

MULTI-LANE DIVIDED



FREEWAY EXIT RAMP



RURAL LEFT TURN

SYMBOLS
- Yellow stripe
- White stripe
- One-way amber marker
- One-way crystal marker
- Two-way amber marker

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

Illinois Department of Transportation
PASSED April 1, 2016
ENGINEER OF OPERATIONS
APPROVED April 1, 2016
ENGINEER OF DESIGN AND ENVIRONMENT
BDE/ISTB 1-1-07

DATE	REVISIONS
4-1-16	Revised LANE ENDS sign
	W4-2 to agree with current
	MUTCD.
1-1-09	Switched units to
	English (metric).

TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
STANDARD 781001-04

MODEL: Default
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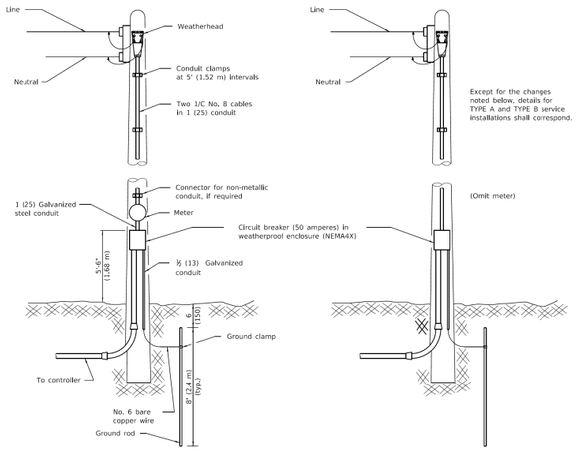
V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = cfigus	DESIGNED - BNP	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 2'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE
JOLIET ILLINOIS

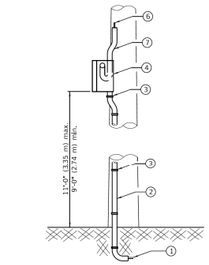
IDOT HIGHWAY STANDARDS
SCALE: SHEET 12 OF 15 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	75
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	



TYPE A

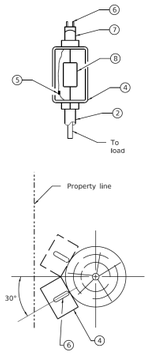
TYPE B



The following equipment is to be furnished and installed on the TYPE C installation.

1. Cable in conduit (electric cable, No. 6, 2/C except where otherwise specified)
2. Galvanized steel conduit 1¼ (32) with bend
3. Galvanized conduit clamps
4. Aluminum weatherproof box with gasketed cover. Weatherproof box shall be installed facing the adjacent property line. (See diagram for alternate installation.)
5. Ground stud for neutral connection
6. Service cables
7. Offset weatherproof fitting
8. Circuit breaker

TYPE C



ALTERNATE INSTALLATION

(Installation when weatherproof box cannot be installed facing the adjacent property line.)

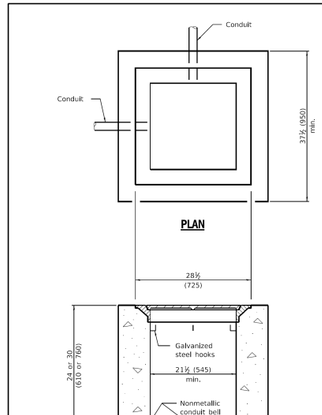
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
PASSED January 1, 2009 — ENGINEER OF OPERATIONS
APPROVED January 1, 2009 — ENGINEER OF DESIGN AND ENVIRONMENT
BD470 (1-1-09)

DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-02	Renum. Standard 2373-1.

ELECTRICAL SERVICE INSTALLATION DETAILS

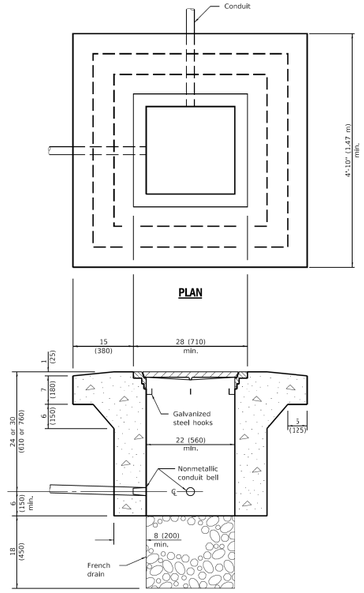
STANDARD 805001-01



PLAN

ELEVATION

PORTLAND CEMENT CONCRETE



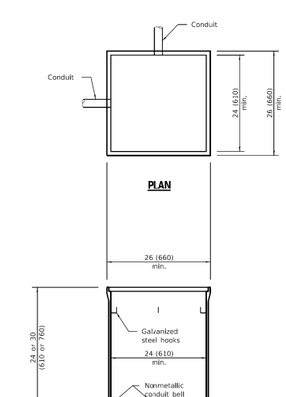
PLAN

ELEVATION

PORTLAND CEMENT CONCRETE HEAVY DUTY

QUANTITIES

	Concrete yd³ (m³)	
Depth	Handhole	Heavy Duty Handhole
30 (762)	0.61 (0.47)	0.98 (0.75)
36 (914)	0.73 (0.56)	1.10 (0.84)



PLAN

ELEVATION

COMPOSITE CONCRETE

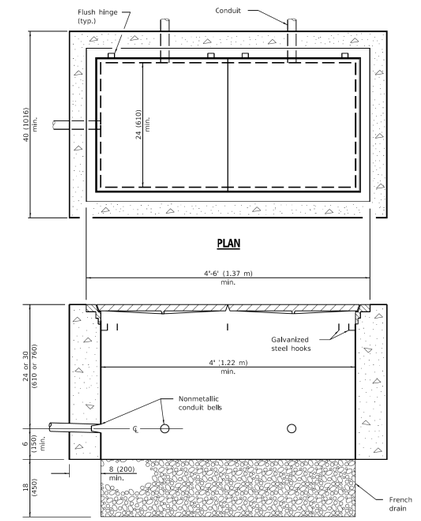
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
PASSED January 1, 2015 — ENGINEER OF OPERATIONS
APPROVED January 1, 2015 — ENGINEER OF DESIGN AND ENVIRONMENT
BD470 (1-1-15)

DATE	REVISIONS
1-1-15	Corrected dimension on heavy duty handhole. Added concrete quantities table.
1-1-09	Switched units to English (metric).

HANDHOLES

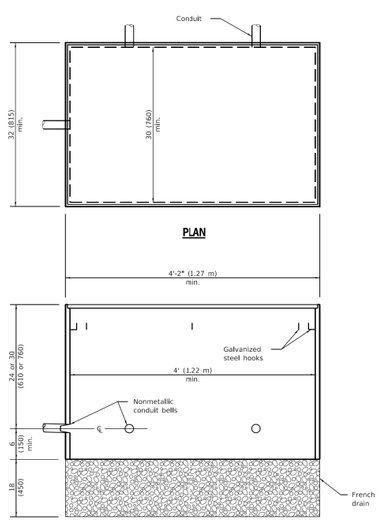
STANDARD 814001-03



PLAN

ELEVATION

PORTLAND CEMENT CONCRETE



PLAN

ELEVATION

COMPOSITE CONCRETE

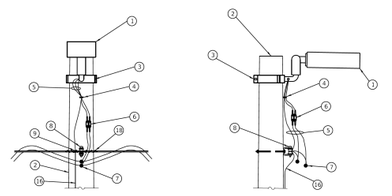
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
PASSED January 1, 2021 — ENGINEER OF OPERATIONS
APPROVED January 1, 2021 — ENGINEER OF DESIGN AND ENVIRONMENT
BD470 (1-1-09)

DATE	REVISIONS
1-1-21	Corrected dimension in Portland Cement Concrete Plan view.
1-1-09	Switched units to English (metric).

DOUBLE HANDHOLES

STANDARD 814006-03

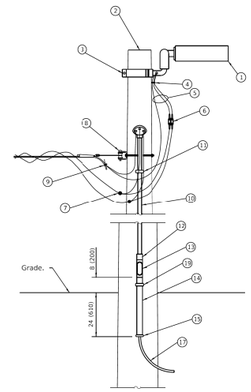


FACING VIEW

SIDE VIEW

LUMINAIRE MOUNTING DETAILS

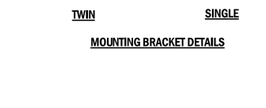
43' - 44' (13.1 m - 13.4 m) mounting height unless noted otherwise on plans.



LIGHT POLE WITH CIRCUIT ROUTED UNDERGROUND

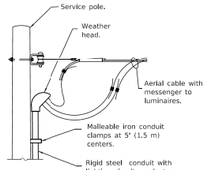
1. Luminaire.
2. Wood light pole, 50' (15.2 m), class 3 (typ.). *
3. Luminaire mounting bracket.
4. Cable clamps on 24 (600) centers.
5. Three #10 XLP-USE cable.
6. Waterproof, two-pole fuse holder with fuses.
7. Waterproof insulation piercing tap connector.
8. Heavy cuty insulated pulley clevis with mounting bolt and hardware.
9. Ground clamp.
10. 1 (25) rigid steel conduit. *
11. Malleable iron conduit clamps, 5' (1.5 m) intervals.
12. Threaded conduit reducer.
13. "C" conduit, threaded.
14. 1½ (40) rigid steel conduit. *
15. Conduit bushing.
16. #6 Bare copper ground wire to 10 ft. ground rod, every third light pole.
17. Unit duct.
18. Wire tie.
19. Malleable iron conduit clamp below "C" conduit.

* Size larger as needed.



TWIN **SINGLE**

MOUNTING BRACKET DETAILS



LIGHTING CIRCUIT AT SERVICE/CONTROLLER

See standard 825001 for service installation.

GENERAL NOTES

See plans for wire and unit duct sizes and pole locations not shown.

Provide guy wires with strain insulators and anchors, as needed.

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

Illinois Department of Transportation
PASSED January 1, 2019 — ELECTRICAL AND MECHANICAL UNIT CHIEF
APPROVED January 1, 2019 — ENGINEER OF DESIGN AND ENVIRONMENT
BD470 (1-1-19)

DATE	REVISIONS
1-1-19	Revised Luminaire to be horizontal.
1-1-13	New standard.

TEMPORARY ROADWAY LIGHTING

STANDARD 830026-01

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = cfigus	DESIGNED - BNP	REVISED -	
	DRAWN - DRP	REVISED -	
PLOT SCALE = 2'	CHECKED - KRC	REVISED -	
PLOT DATE = 12/6/2023	DATE -	REVISED -	

THEODORE STREET WIDEN AND RESURFACE

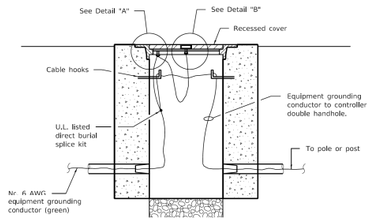
JOLIET ILLINOIS

IDOT HIGHWAY STANDARDS

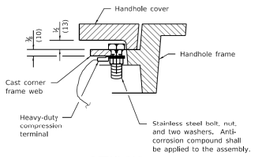
SCALE: SHEET 13 OF 15 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	76
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

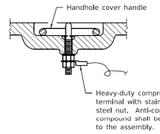
MODEL: Default
FILE NAME: E:\2022\22016\Drawings\Msm\CADD_Sheets\Project 1AID122016b-sht-details-01.dgn



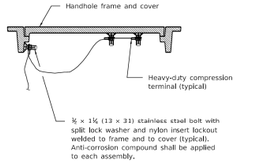
BONDING A HANDHOLE COVER & FRAME



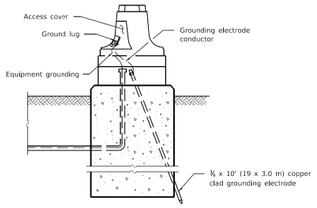
DETAIL "A"



DETAIL "B"



BONDING AN EXISTING HANDHOLE COVER & FRAME



GROUNDING A MASTER ARM POLE/POST



HEAVY-DUTY COMPRESSION TERMINAL



HEAVY-DUTY GROUND ROD CLAMP

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

Illinois Department of Transportation

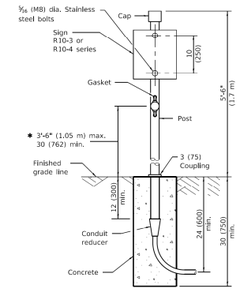
PASSED January 1, 2009
ENGINEER OF OPERATIONS
APPROVED January 1, 2009
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 8-1-08

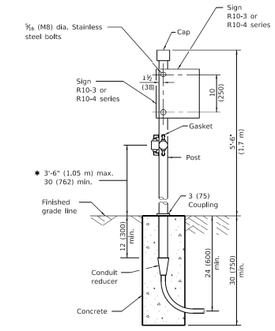
DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-07	Revised terminology.

TRAFFIC SIGNAL GROUNDING & BONDING

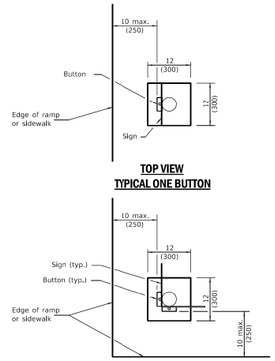
STANDARD 873001-02



PEDESTRIAN ONE PUSH BUTTON POST



PEDESTRIAN TWO PUSH BUTTON POST



TOP VIEW TYPICAL ONE BUTTON

TOP VIEW TYPICAL TWO BUTTONS

✱ 36 (914) prefered

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

Illinois Department of Transportation

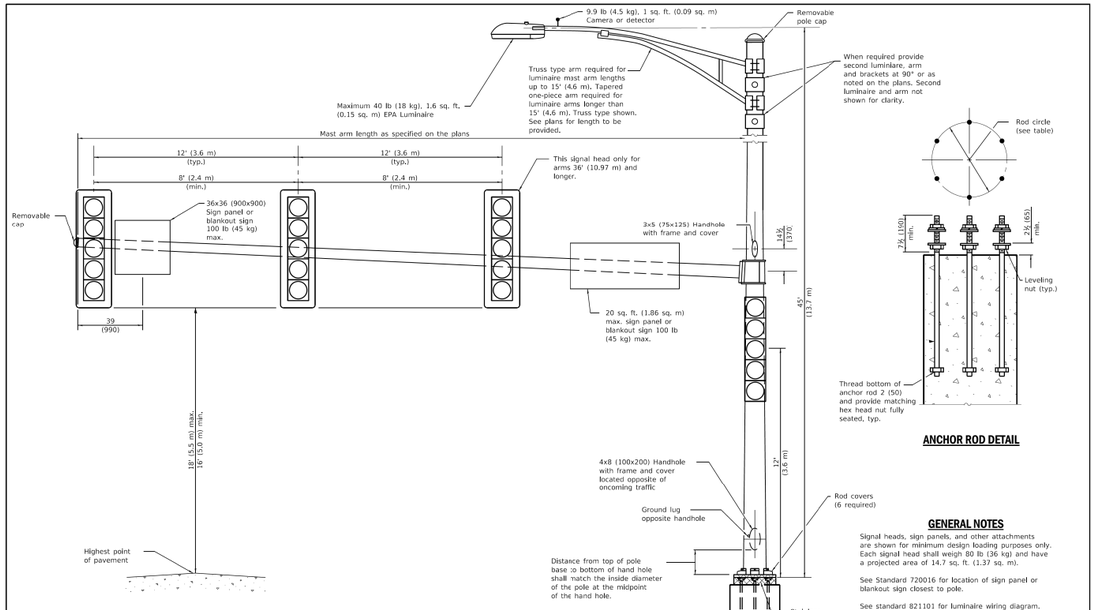
PASSED April 1, 2016
ENGINEER OF OPERATIONS
APPROVED April 1, 2016
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-17

DATE	REVISIONS
4-1-16	Revised sign numbers for consistency with current MUTCD.
1-1-14	Revised and added dimensions for PROWAG reach range requirements.

PEDESTRIAN PUSH BUTTON POST

STANDARD 876001-04



ANCHOR ROD DETAIL

MAST ARM LENGTH	ANCHOR ROD CIRCLE	ANCHOR ROD SIZE
16' thru 35' (4.87 m thru 10.57 m)	18 (450)	1⅛ x 7' (44 x 2.10 m)
36' thru 55' (10.97 m thru 16.80 m)	21 (535)	1⅛ x 7' (44 x 2.10 m)

GENERAL NOTES

Signal heads, sign panels, and other attachments are shown for minimum design loading purposes only. Each signal head shall weigh 80 lb (36 kg) and have a projected area of 14.7 sq. ft. (1.37 sq. m).

See Standard 720016 for location of sign panel or blankout sign closest to pole.

See standard 821101 for luminaire wiring diagram.

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

Illinois Department of Transportation

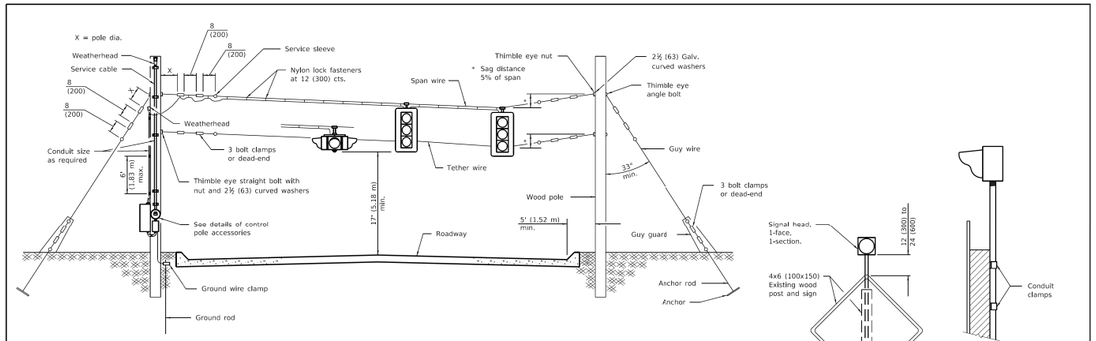
APPROVED January 1, 2019
ENGINEER OF OPERATIONS
APPROVED January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-20

DATE	REVISIONS
1-1-19	Remove tenon top info.
	Rev. luminaire arm info.
	Rev. second luminaire info.
1-1-18	Revised for RLFD reqs. Revised
	GEN. NOTES for sign locatan.
	Revised ANCHOR ROD DETAIL.

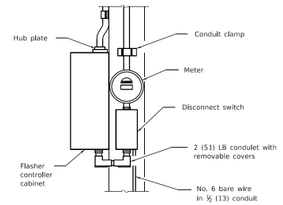
STEEL COMB. MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'

STANDARD 877011-10

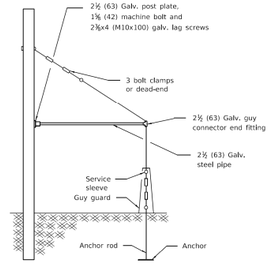


SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON

MOUNTING DETAIL



CONTROL POLE DETAIL



SIDEWALK GUY DETAIL

POST MOUNTED FLASHING BEACON

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

Illinois Department of Transportation

PASSED January 1, 2009
ENGINEER OF OPERATIONS
APPROVED January 1, 2009
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-10

DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-02	Renum. Standard 840001.

SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION

STANDARD 880001-01

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = cfigus	DESIGNED - BNP	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 2'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE

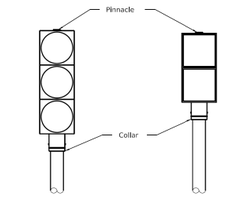
JOLIET ILLINOIS

IDOT HIGHWAY STANDARDS

SCALE: SHEET 14 OF 15 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	77
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

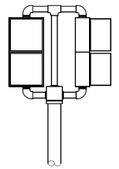
MODEL: Default
FILE NAME: E:\2022\22016\D\Drawings\Mstn\CADD_Sheets\Project 1AID122016D-slit-details-01.dgn



POST MOUNTED TRAFFIC SIGNAL HEAD

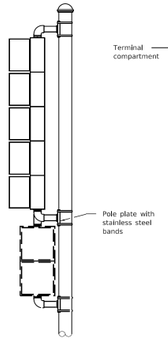
POST MOUNTED PEDESTRIAN SIGNAL HEAD

ONE WAY



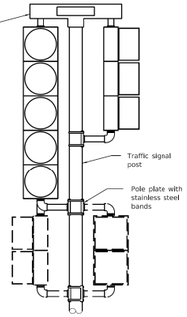
POST MOUNTED PEDESTRIAN SIGNAL HEAD

TWO WAY

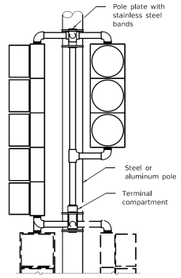


BRACKET MOUNTED TRAFFIC SIGNAL HEAD

ONE WAY

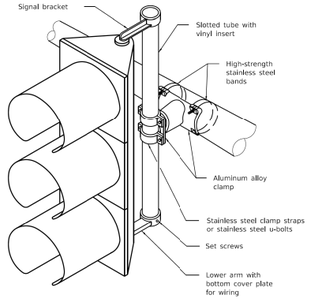


BRACKET MOUNTED TRAFFIC SIGNAL HEAD



BRACKET MOUNTED TRAFFIC SIGNAL HEAD

TWO WAY



STEEL MAST ARM MOUNTING

Illinois Department of Transportation

PASSED January 1, 2009
ENGINEER OF OPERATIONS

APPROVED January 1, 2009
ENGINEER OF BRIDGES AND STRUCTURES

BDE 11-02

DATE	REVISIONS
1-1-09	Omitted note regarding units of length.
1-1-02	Renum. Standard 840006.

TRAFFIC SIGNAL MOUNTING DETAILS

STANDARD 880006-01

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = cfigus	DESIGNED - BNP	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 2'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE

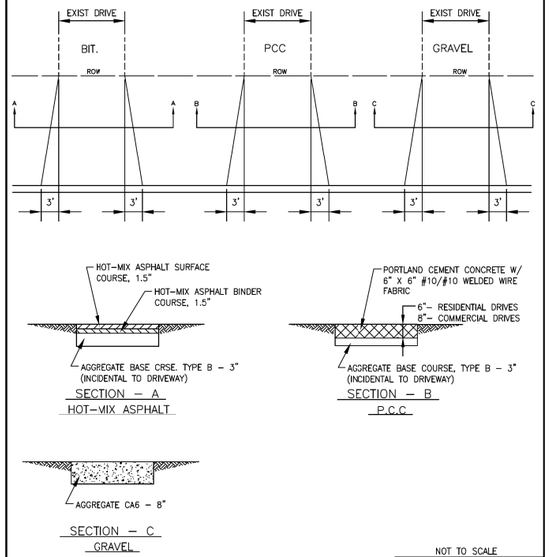
JOLIET ILLINOIS

IDOT HIGHWAY STANDARDS

SCALE: | SHEET 15 OF 15 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	78
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: E:\2022\220160\Drawings\Mstn\CADD_Sheets\Project 1AID 220160-sht-details-01.dgn



NOTES:

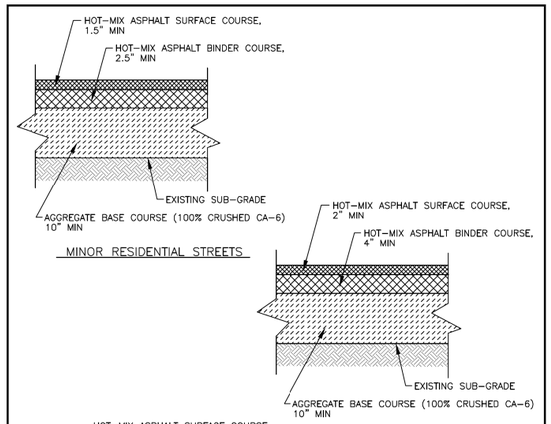
1. APRON: 8:1 SLOPE FROM FRONT OF SIDEWALK TO BACK OF CURB.
2. SIDEWALK: 1/4" / FT SLOPE

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

DRIVEWAY PAVEMENT DETAIL
PVT-01

DATE: OCT. 2017



NOTES:

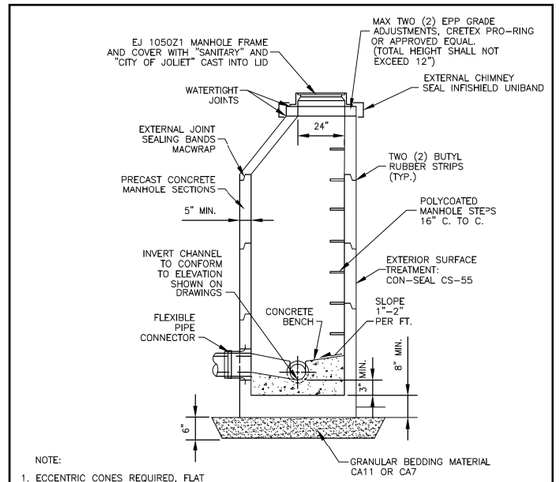
1. ALL PAVEMENT PATCHES SHALL BE SAWCUT FULL-DEPTH.
2. MAXIMUM ALLOWABLE WIDTH USED FOR TRENCH RESTORATION PAY QUANTITY CALCULATIONS SHALL BE 6'.
3. DETAILS APPLY UNLESS OTHERWISE NOTED ON PLANS.

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

TYPICAL PAVEMENT SECTION
PVT-02

DATE: OCT. 2017



NOTE:

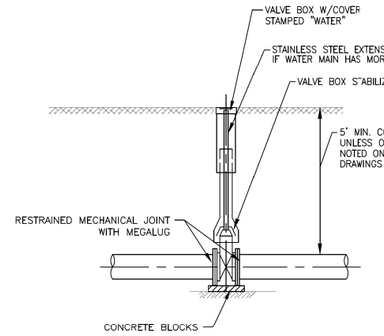
1. ECCENTRIC CONES REQUIRED, FLAT SLAB TOPS PERMITTED ONLY FOR MANHOLES TOO SHALLOW FOR CONES.
2. MANHOLE DIAMETER SHALL BE DETERMINED BY THE SEWER DEPTH, THE SEWER OUTSIDE DIAMETER, RELATIVE ANGLES OF SEWERS TO EACH OTHER, THE SIZE OF HOLES CORED/CAST FOR BOOTS, AND A MINIMUM OF 8" BETWEEN CORED/CAST HOLES. FOR SEWER SIZES 8" THROUGH 15", USE 4'-0" DIAMETER. FOR SEWER DEPTHS 15' AND GREATER, USE 5'-0" DIAMETER.
3. ALL LIFT HOLES ARE TO BE GROUTED FROM THE INSIDE AND OUTSIDE BEFORE BACKFILLING.
4. MANHOLES THAT HAVE FORCE MAINS DISCHARGING INTO THEM SHALL BE COATED WITH SHERWIN WILLIAMS DURAPLATE 6100 OR RAVEN 405

NOT TO SCALE

CITY OF JOLIET, ILLINOIS

SANITARY MANHOLE DETAIL
SAN-01

DATE: OCT. 2017

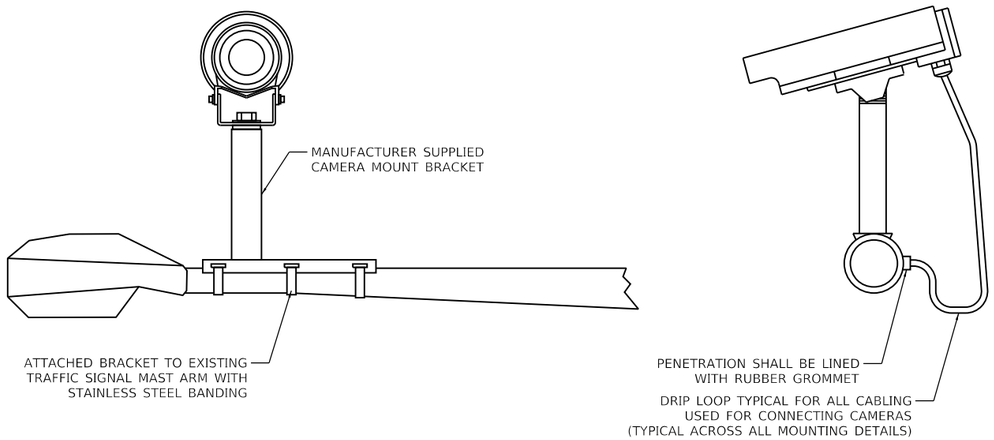


NOT TO SCALE

CITY OF JOLIET, ILLINOIS

WATER VALVE BOX DETAIL
WTR-02

DATE: OCT. 2017



VIDEO DETECTION CAMERA LIGHT POLE MAST ARM MOUNTING DETAILS

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = cfigus	DESIGNED - BNP	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 2'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE

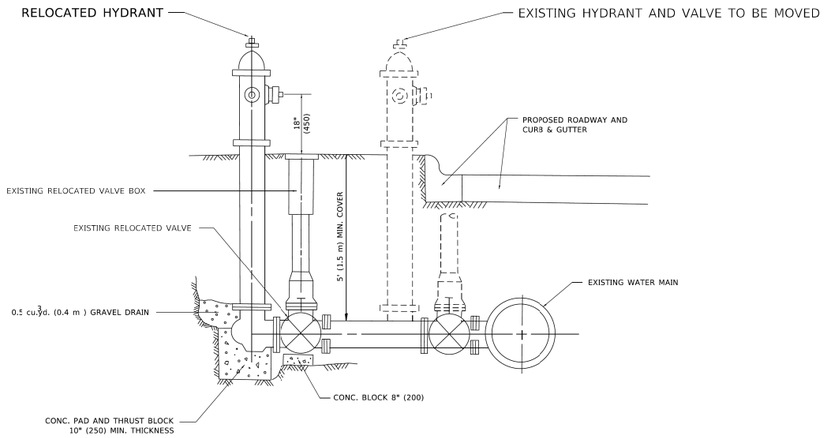
JOLIET ILLINOIS

CITY OF JOLIET STANDARDS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	79
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: E:\2022\220160\Dawings\Mstn\CADD_Sheets\Project 1AID\220160-st-details-01.dgn



SEQUENCE OF CONSTRUCTION:

1. CLOSE EXISTING VALVE.
2. COORDINATE WITH OWNER OF THE WATER MAIN TO SHUT MAIN DOWN DURING RELOCATION.
3. REMOVE EXISTING HYDRANT AND VALVE.
4. MODIFY THE LENGTH OF PIPE FROM THE MAIN TO THE VALVE TO THE CORRECT LENGTH TO MOVE THE HYDRANT. IF A LONGER PIPE IS NECESSARY, COMPLETELY REMOVE THE PIPE AND REPLACE. IF THE PIPE LENGTH NEEDS TO BE REDUCED, CUT PIPE TO LENGTH THEN RECONNECT VALVE.
5. RELOCATE EXISTING HYDRANT AND VALVE.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

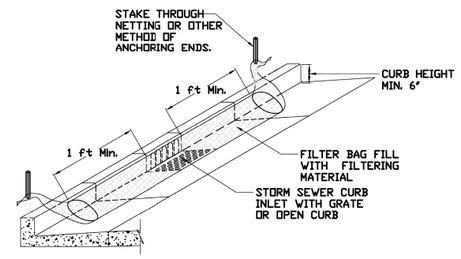
NOTE:

ALL WORK TO BE DONE IN ACCORDANCE WITH SECTION 564 OF THE STANDARD SPECIFICATIONS.

FIRE HYDRANT TO BE MOVED

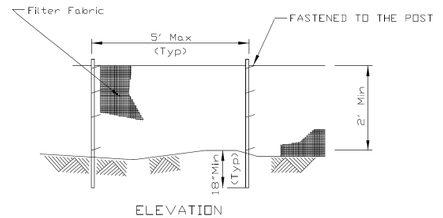
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

INLET PROTECTION - IMPERVIOUS AREAS CURB PROTECTION

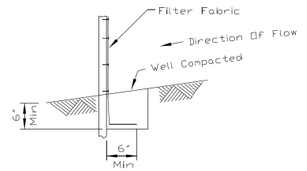


REFERENCE		STANDARD DWG. NO.
Project		IUM-561C
Designed ____ Date ____		SHEET 1 OF 1
Checked ____ Date ____		DATE 01-11-11
Approved ____ Date ____		

SILT FENCE PLAN



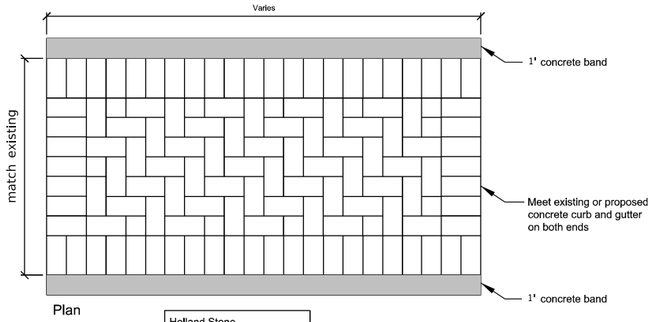
ELEVATION



FABRIC ANCHOR DETAIL

NOTES:
1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1, Class 2.
3. Fence posts shall be either standard steel post or wood post 2" X 2" nominal.

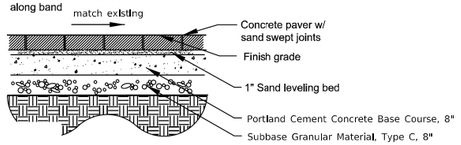
REFERENCE		STANDARD DWG. NO.
Project		IUM-620A
Designed ____ Date ____		SHEET 1 OF 2
Checked ____ Date ____		DATE 04-15-2021
Approved ____ Date ____		



Plan

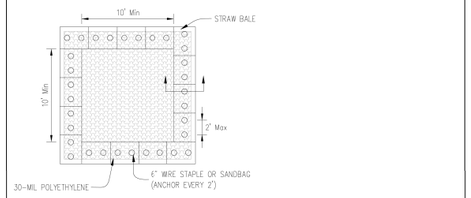
Holland Stone
Herringbone or Other Pattern
To Match Existing Pattern

* Provide soldier course along band

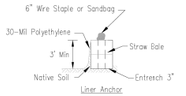


Unit Paving - Brick Roadway

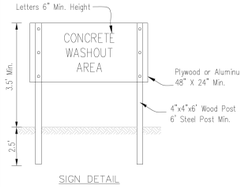
AUTOCAD2006



PLAN VIEW



STRAW BALE ANCHOR SECTIONS



SIGN DETAIL

NOTES:
1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardend concrete and/or slurry and returning the facilities to a functional condition.
2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.
3. Each straw bale is to be staked in place using (2) 2"x2"x4' wooden stakes.

0	8-8-2008	Revised Title	
1	6-1-2009	Revised Title	

TEMPORARY CONCRETE WASHOUT FACILITY - STRAW BALE

Date
Designed
Drawn R. Johnson 6/08
Checked
Approved

MODEL: Default
FILE NAME: N:\2022\220160\Drawings\Mstn\CADD_Sheets\Project 1A\D1220160-sht-details-01.dgn

V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = cfigus	DESIGNED - BNP	REVISED -	THEODORE STREET WIDEN AND RESURFACE		MISCELLANEOUS DETAILS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - DRP	REVISED -							400	18-00515-02-WR	WILL	118	80
	PLOT SCALE = 2'	CHECKED - KRC	REVISED -									CONTRACT NO.		
	PLOT DATE = 12/6/2023	DATE -	REVISED -	JOLIET	ILLINOIS	SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.			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	T	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	RR	RR

ITEM	EXISTING	PROPOSED
HANDHOLE -SQUARE -ROUND		
HEAVY DUTY HANDHOLE -SQUARE -ROUND	H	H
DOUBLE HANDHOLE		
JUNCTION BOX	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		
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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	DRAWN - IP	REVISED -	
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PLOT DATE = 3/4/2019	DATE - 9/29/2016	REVISED -	

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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			118	81
	TS-05	CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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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.

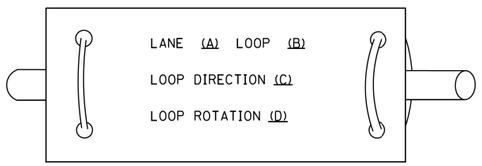
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

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

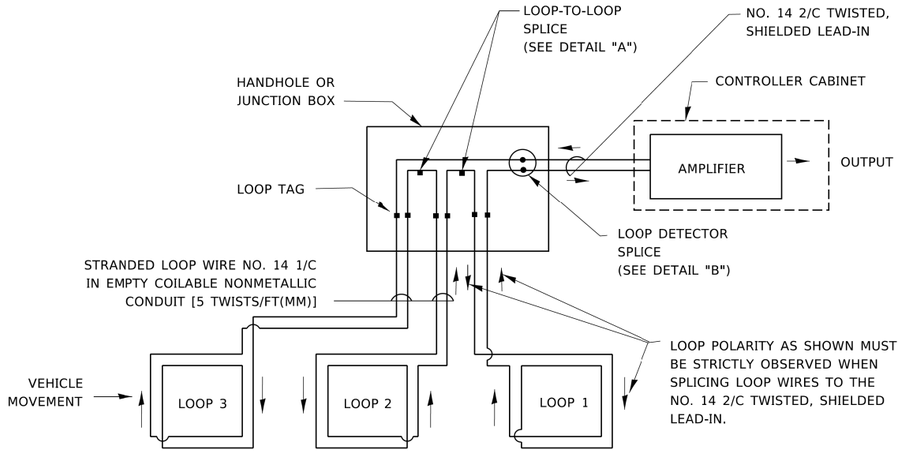


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

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

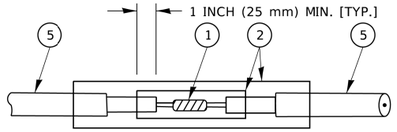
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

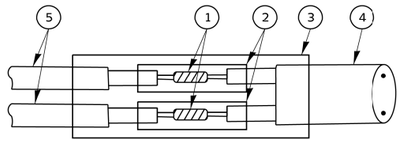


DETECTOR LOOP WIRING SCHEMATIC

- 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.

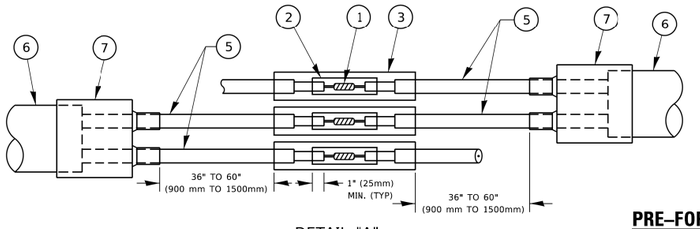


DETAIL "A"
LOOP-TO-LOOP SPLICE



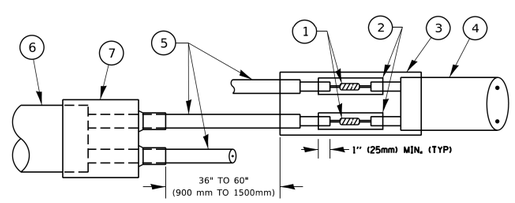
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

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

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PLOT DATE = 3/4/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

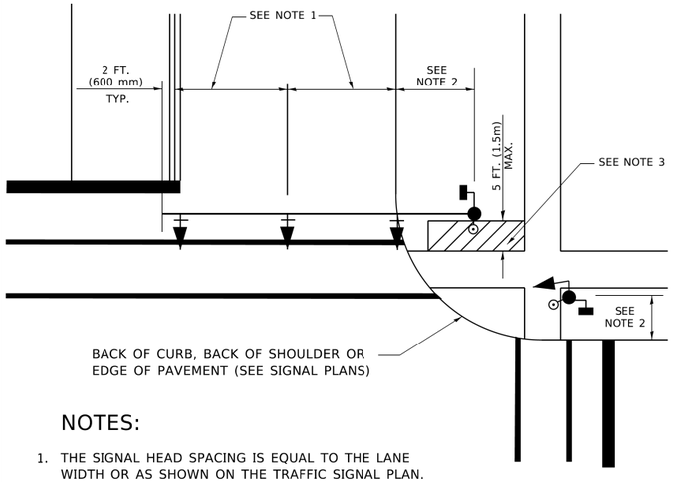
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			118	82
	TS–05	CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

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TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

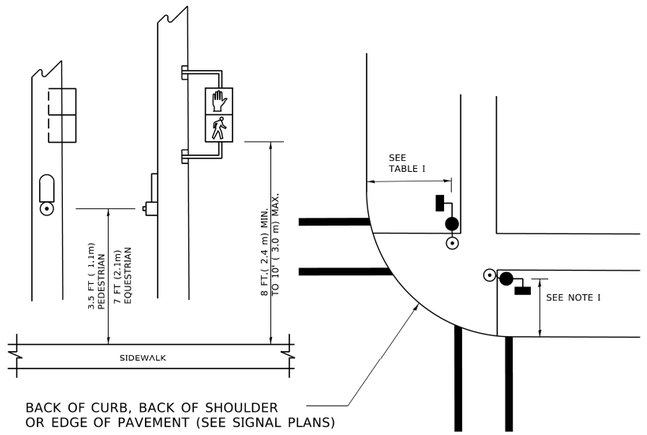
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



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."

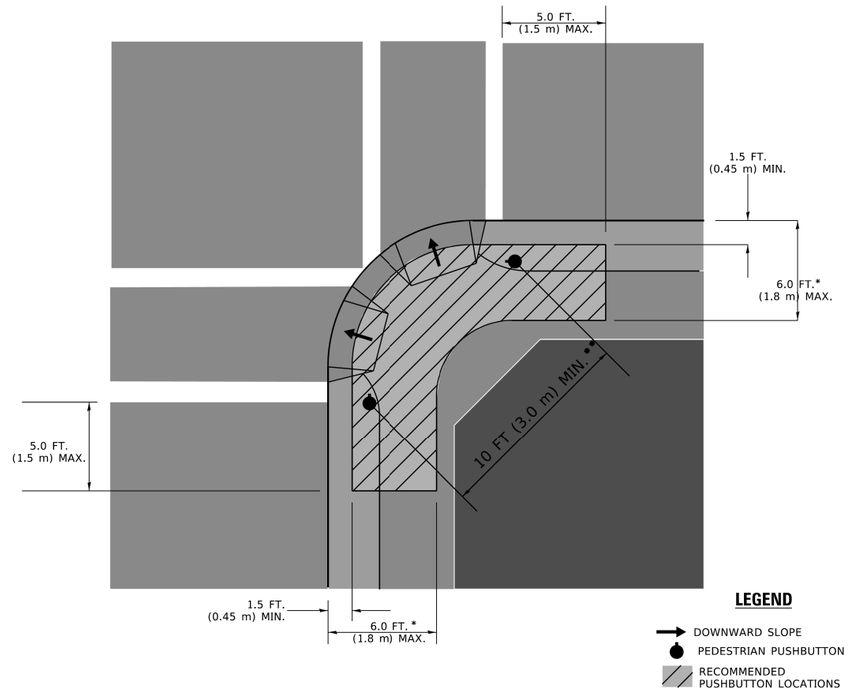
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



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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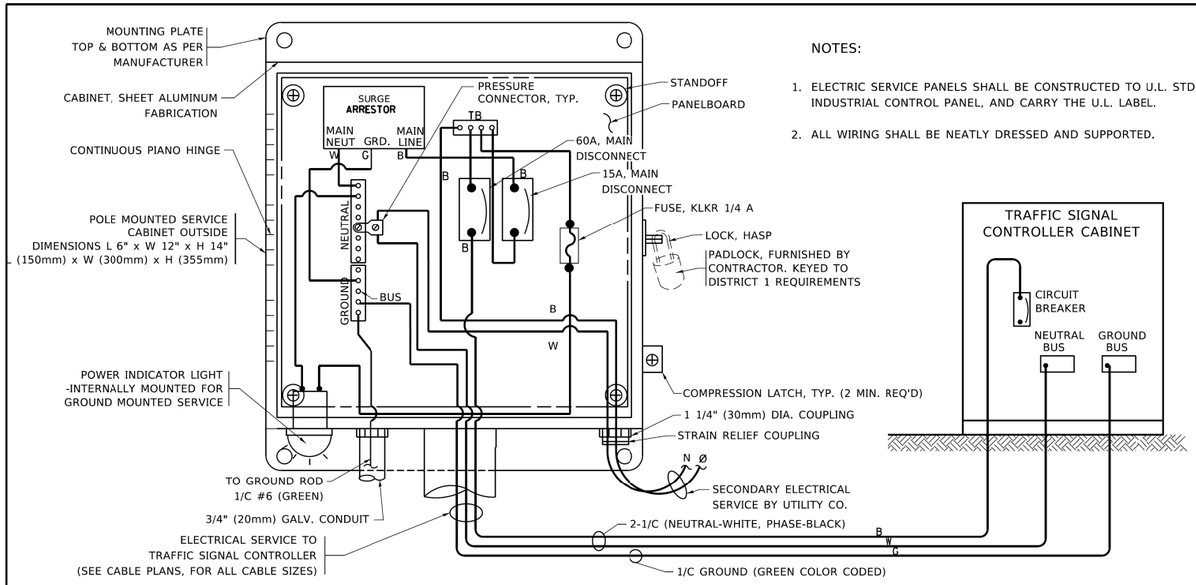
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	ILLINOIS	FED. AID PROJECT		

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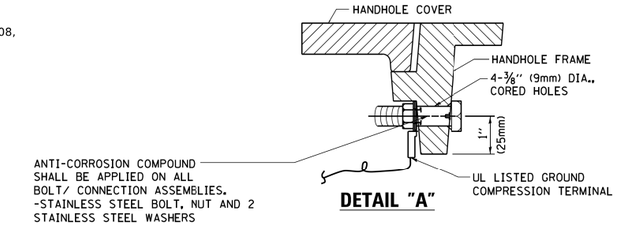
NOTES:

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.

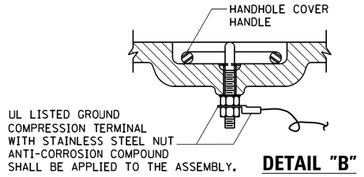
ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)

(NOT TO SCALE)



DETAIL "A"

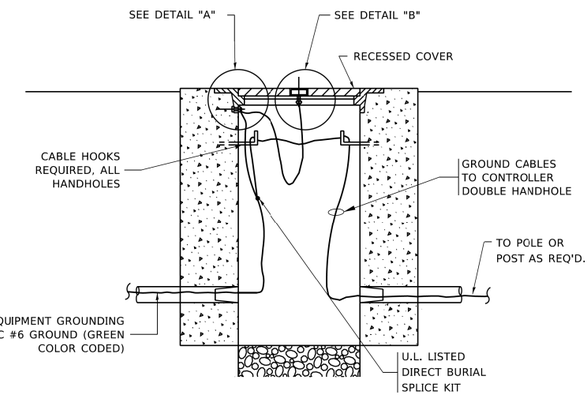


DETAIL "B"

NOTES:

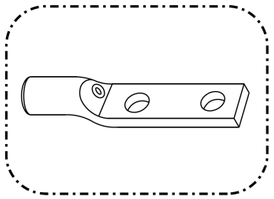
GROUNDING SYSTEM

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, ILLINCIS 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.

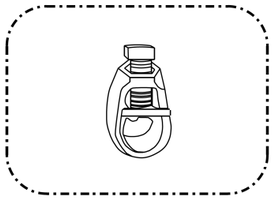


HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



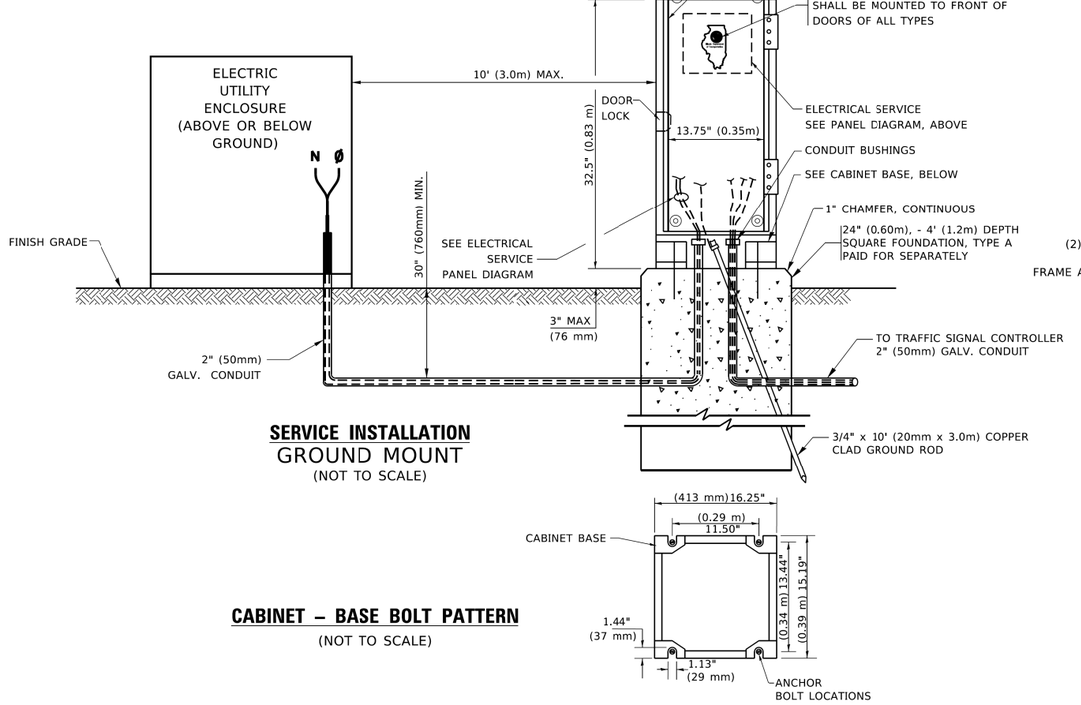
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



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.



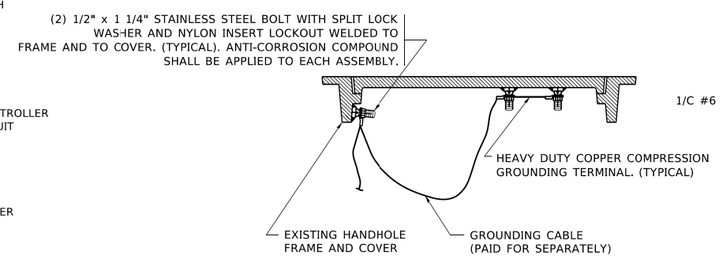
SERVICE INSTALLATION

GROUND MOUNT

(NOT TO SCALE)

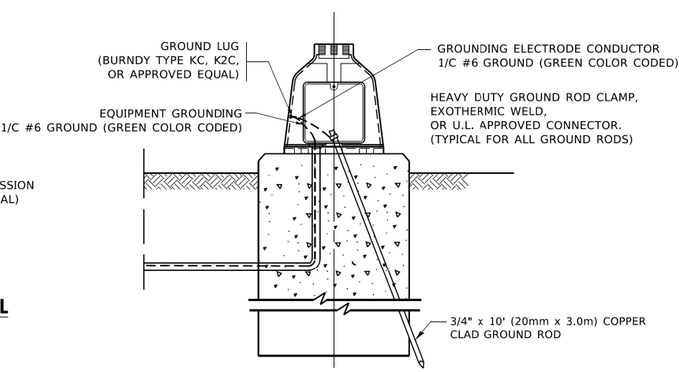
CABINET – BASE BOLT PATTERN

(NOT TO SCALE)



EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



MAST ARM POLE /POST–GROUNDING DETAIL

(NOT TO SCALE)

MODEL: Default
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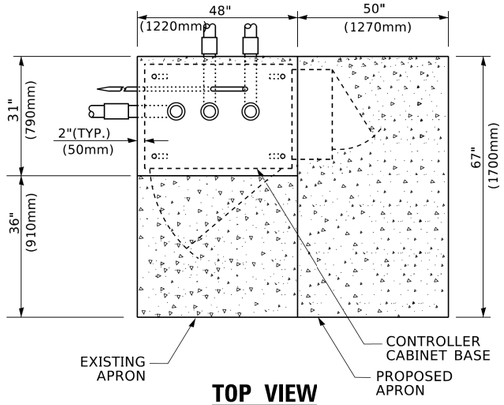
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

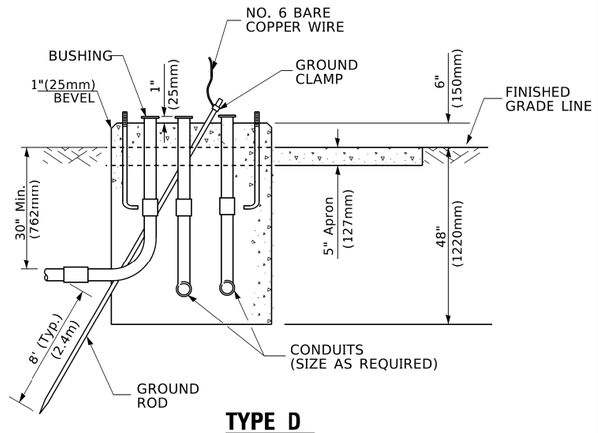
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	TS-05	CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

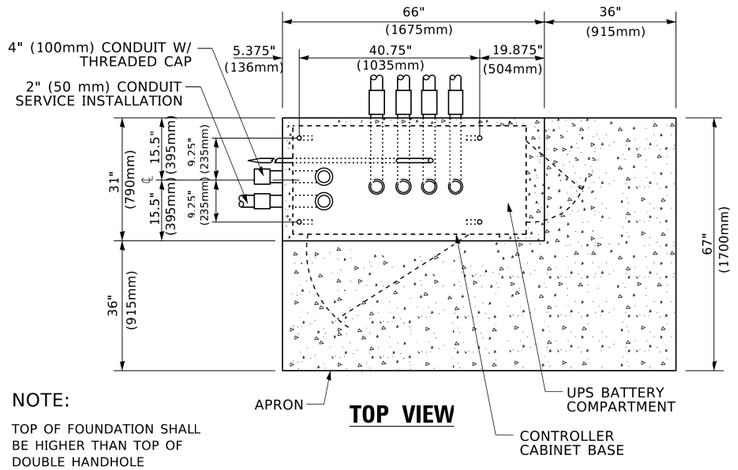
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TOP VIEW



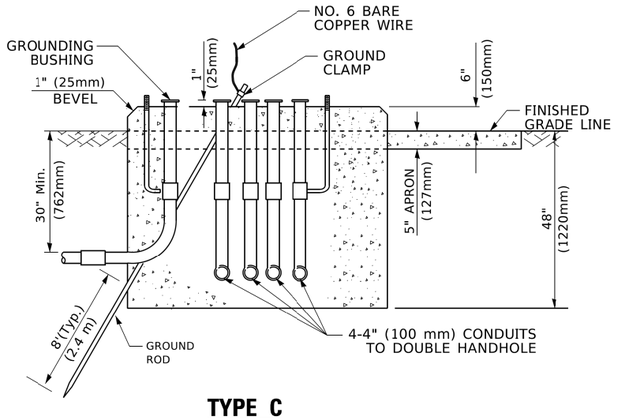
TYPE D
FOR GROUND MOUNTED CONTROLLER CABINET AND UPS BATTERY CABINET



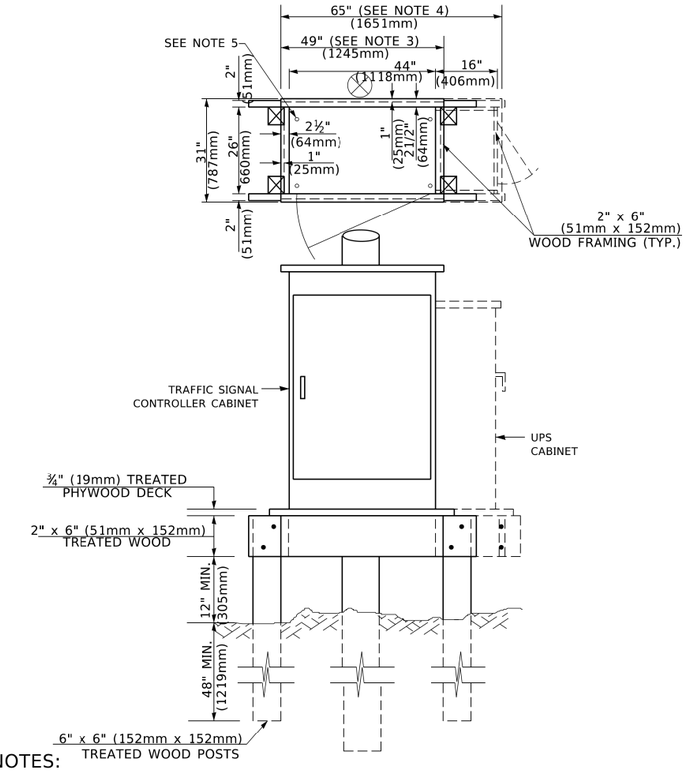
NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE

TOP VIEW



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



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

USER NAME = footemj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

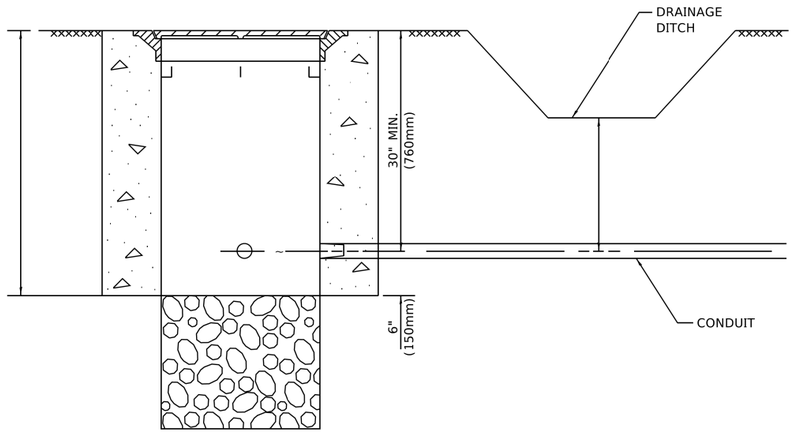
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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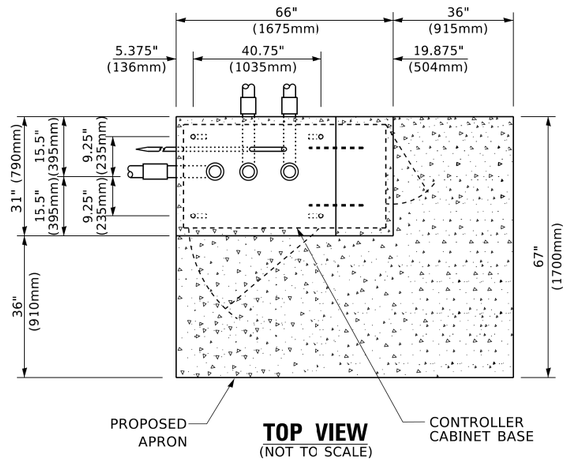


NOTES:

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.

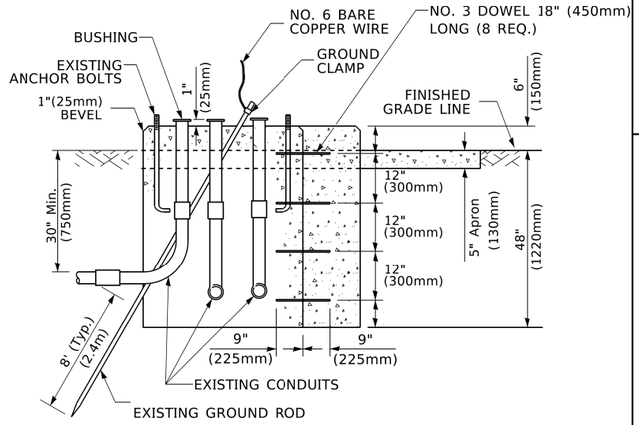
HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



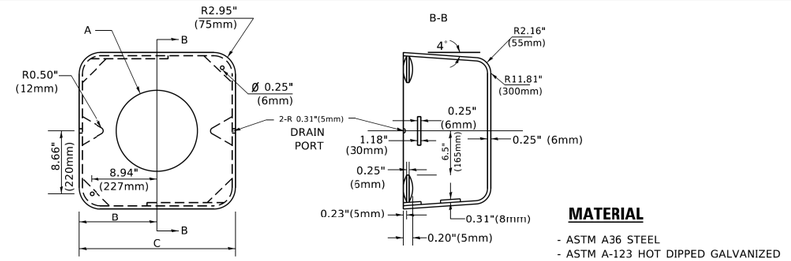
TOP VIEW

(NOT TO SCALE)



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

(NOT TO SCALE)



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)

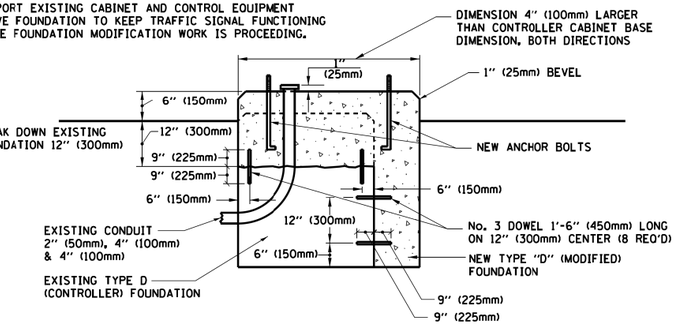
SHROUD

NOTES:

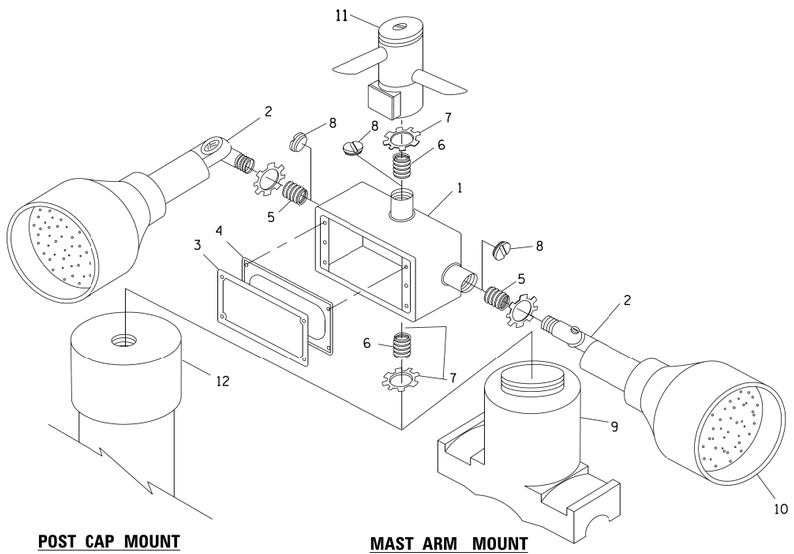
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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



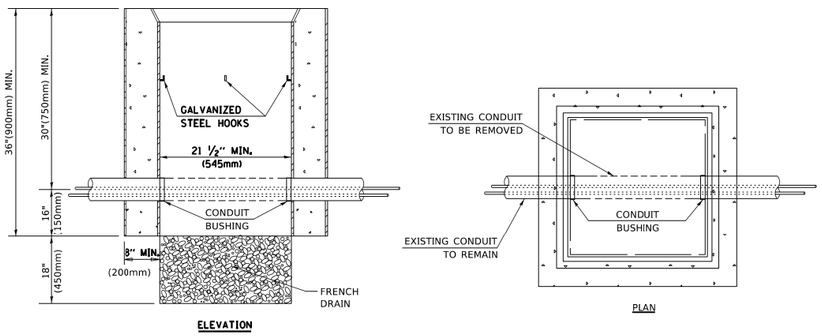
POST CAP MOUNT **MAST ARM MOUNT**

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.



ELEVATION PLAN

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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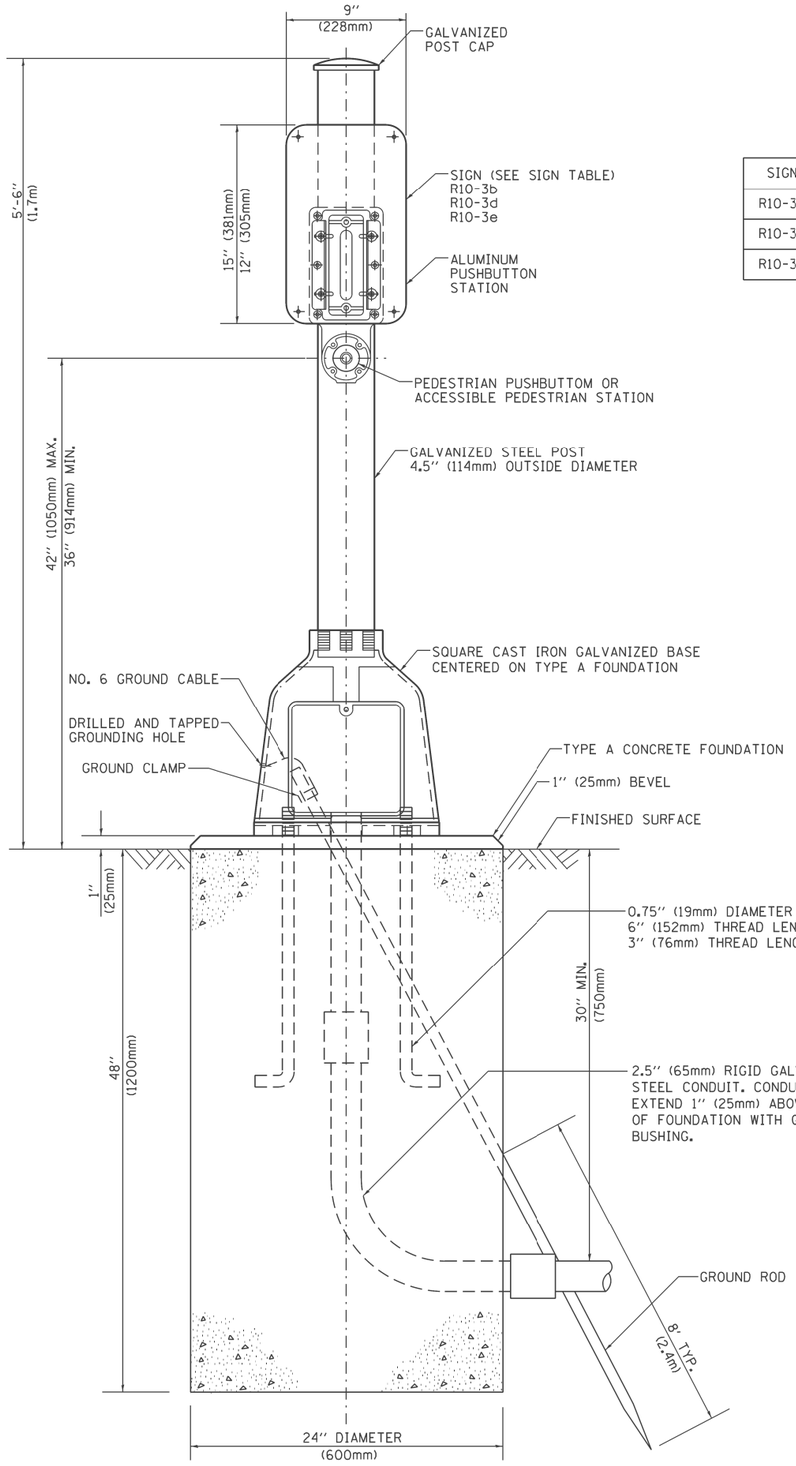
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

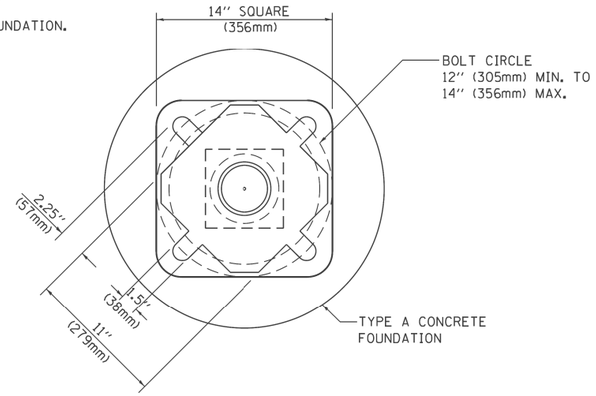
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	TS-05		CONTRACT NO.	
		ILLINOIS	FED. AID PROJECT	

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SIGN TABLE

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



BOLT PATTERN

PEDESTRIAN PUSH BUTTON POST, TYPE A

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V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

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	DRAWN - DRP	REVISED -
PLOT SCALE = 2'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE
JOLIET ILLINOIS

TRAFFIC SIGNAL DETAIL
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	87
		CONTRACT NO.		
	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.

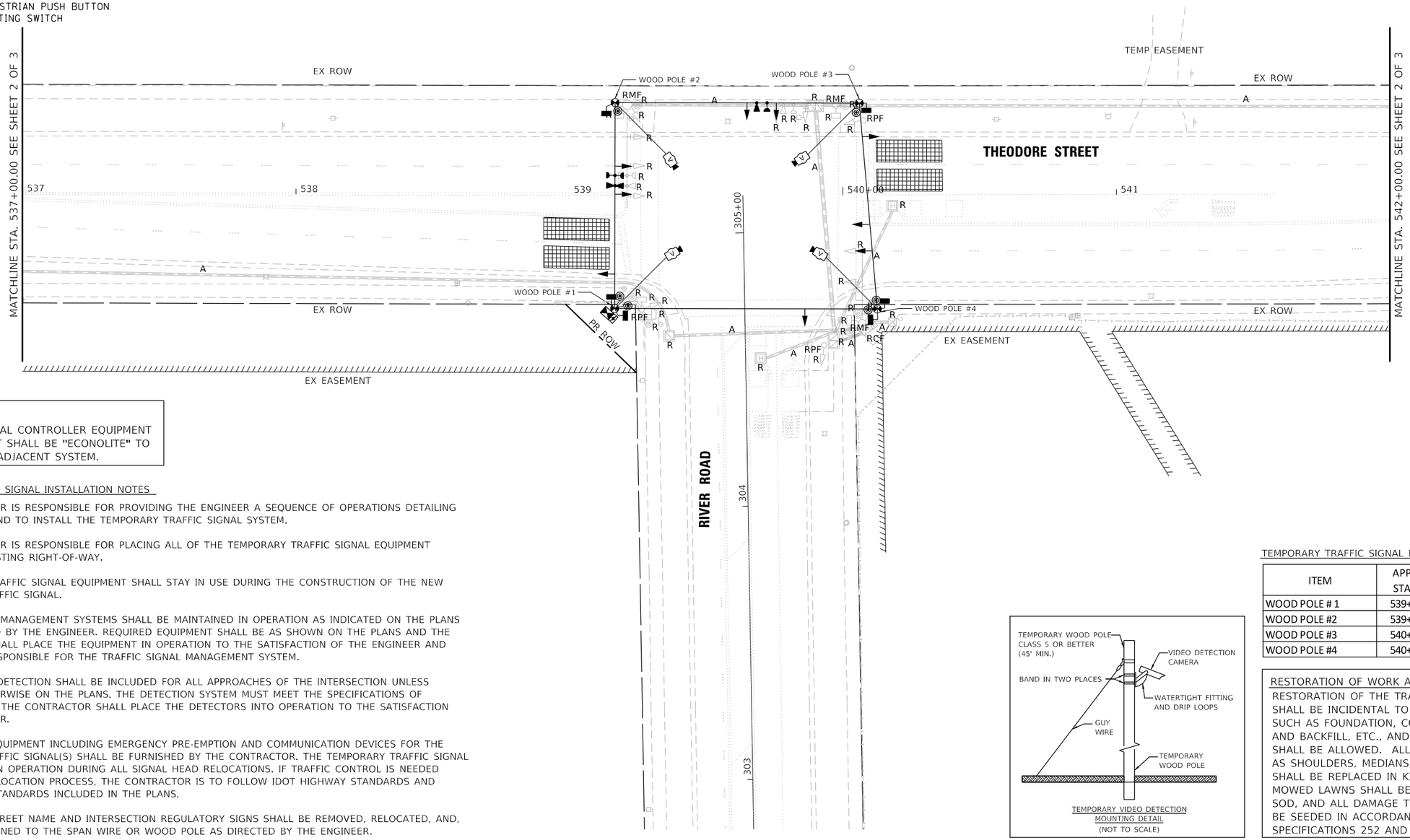
1	EACH	SERVICE INSTALLATION
1	EACH	CONTROLLER AND CABINET (COMPLETE)
1	EACH	UPS CABINET AND EQUIPMENT
2	EACH	CONFIRMATION BECON
2	EACH	LIGHT DETECTOR
3	EACH	STEEL MAST ARM ASSEMBLY AND POLE
3	EACH	TRAFFIC SIGNAL POST
1	EACH	HANDHOLE
2	EACH	DOUBLE HANDHOLE
2	EACH	HEAVY DUTY HANDHOLE
4	EACH	SIGNAL HEAD
7	EACH	SIGNAL HEAD WITH BACKPLATE
6	EACH	PEDESTRIAN SIGNAL HEAD
6	EACH	PEDESTRIAN PUSH BUTTON
1	EACH	EXISTING SWITCH

TRAFFIC SIGNAL LEGEND

VIDEO DETECTION ZONE

N

1"=20' SCALE 0 20 40 60 FEET



NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH EXISTING ADJACENT SYSTEM.

TEMPORARY TRAFFIC SIGNAL INSTALLATION NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE ENGINEER A SEQUENCE OF OPERATIONS DETAILING HOW THEY INTEND TO INSTALL THE TEMPORARY TRAFFIC SIGNAL SYSTEM.
2. THE CONTRACTOR IS RESPONSIBLE FOR PLACING ALL OF THE TEMPORARY TRAFFIC SIGNAL EQUIPMENT WITHIN THE EXISTING RIGHT-OF-WAY.
3. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL STAY IN USE DURING THE CONSTRUCTION OF THE NEW TEMPORARY TRAFFIC SIGNAL.
4. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
5. VIDEO VEHICLE DETECTION SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
6. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. IF TRAFFIC CONTROL IS NEEDED DURING THE RELOCATION PROCESS, THE CONTRACTOR IS TO FOLLOW IDOT HIGHWAY STANDARDS AND DISTRICT ONE STANDARDS INCLUDED IN THE PLANS.
7. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED, RELOCATED, AND, SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.

TEMPORARY VIDEO DETECTION MOUNTING DETAIL
(NOT TO SCALE)

TEMPORARY TRAFFIC SIGNAL EQUIPMENT INVENTORY

ITEM	APPROX. STATION	APPROX. OFFSET
WOOD POLE # 1	539+16.61	41.52 RT
WOOD POLE #2	539+16.61	33.84 LT
WOOD POLE #3	540+06.02	33.67 LT
WOOD POLE #4	540+12.51	41.66 RT

RESTORATION OF WORK AREA.

RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, 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 STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

TS SHT NO. 01

MODEL: Default
FILE NAME: N:\2022\220160\Drawings\Mstn\CADD_Sheets\Project 1A\D1220160-sht-ts-01.dgn

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7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = cfigus	DESIGNED - BNP	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 40'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

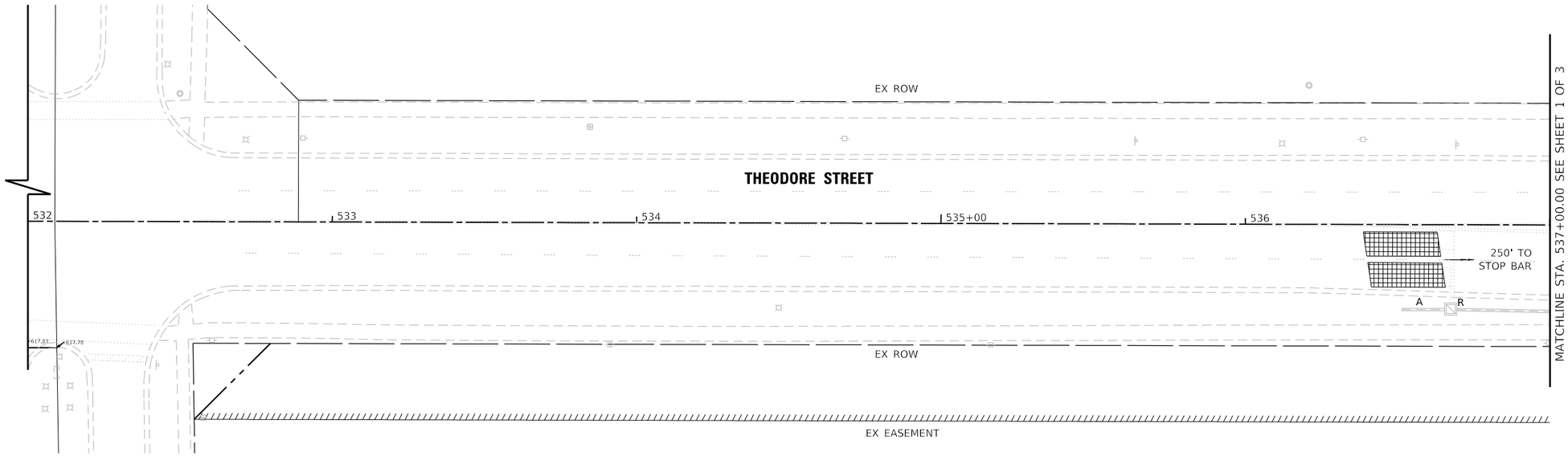
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN FOR THEODORE ST AT RIVER RD

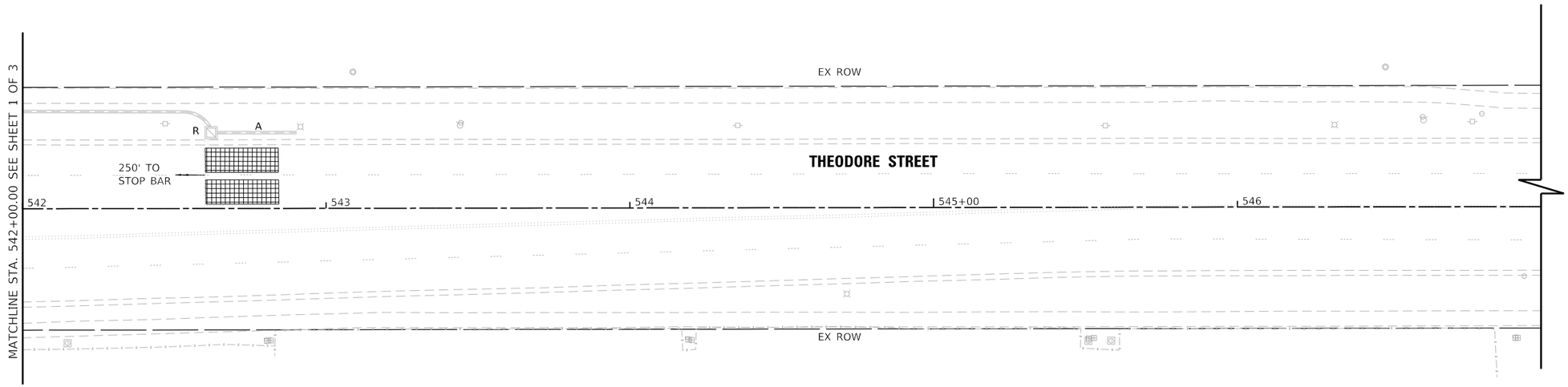
SCALE: 1"=20' | SHEET 1 OF 3 SHEETS | STA. | TO STA.

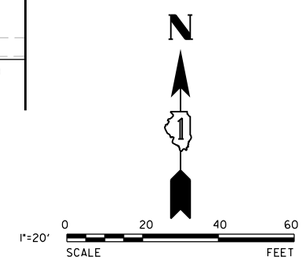
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	88
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL LEGEND

VIDEO DETECTION ZONE







TS SHT NO. 02

MODEL: Default
FILE NAME: N:\2022\220160\Drawings\Mstn\CADD_Sheets\Project 1A\D1220160-sht-ts-02.dgn

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	DRAWN - DRP	REVISED -
PLOT SCALE = 40'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

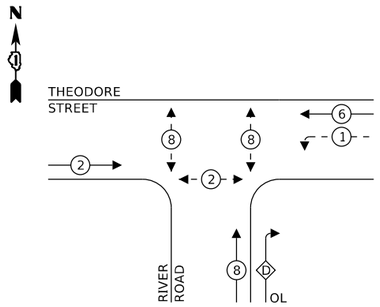
THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN FOR THEODORE ST AT RIVER RD

SCALE: 1"=20' | SHEET 2 OF 3 SHEETS | STA. | TO STA.

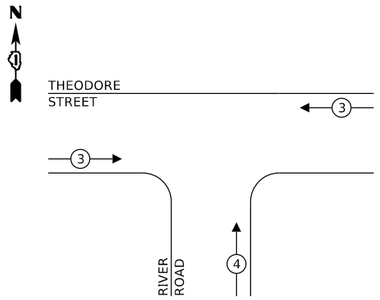
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	89
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



LEGEND:

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

TEMPORARY CONTROLLER SEQUENCE



TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE

TEMPORARY EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↑

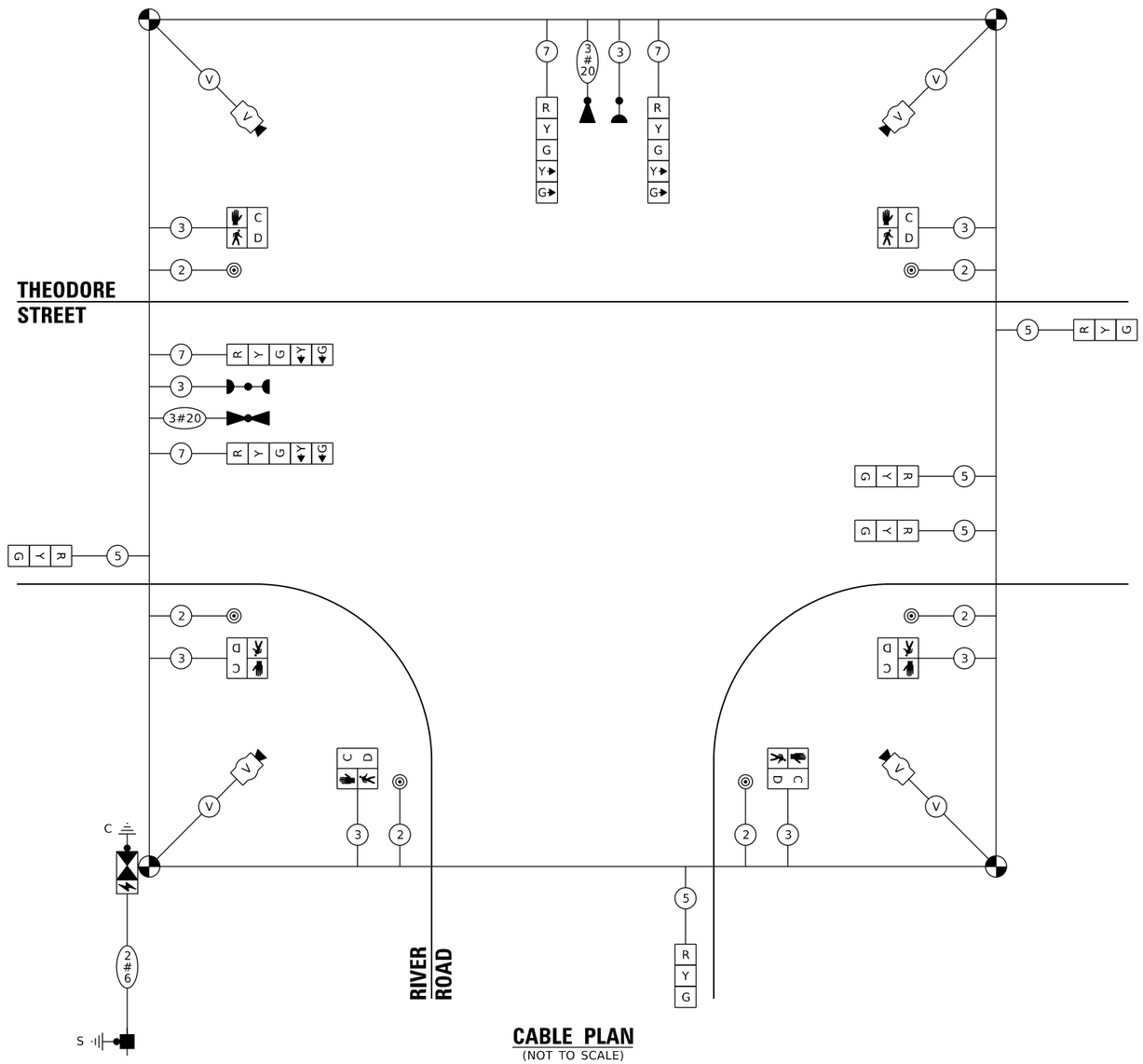
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	9	17	50	76.5
(YELLOW)	9	25	25	56.3
(GREEN)	9	15	25	33.8
ARROW	8	12	10	9.6
PED. SIGNAL	6	25	100	150.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	-	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	25	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	601.2

ENERGY COSTS TO:

CITY OF JOLIET
150 W JEFFERSON STREET
JOLIET, IL 60432

ENERGY SUPPLY: CONTACT: ---
PHONE: ---
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

TS XXX
ECON XX

TS SHT NO. 03

MODEL: Default
FILE NAME: N:\2022\220160\Drawings\Mstn\CaDD_Sheets\Project 1A\D1220160-sht-ts-03.dgn

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	DRAWN - DRP	REVISED -
PLOT SCALE = 2'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE
JOLIET ILLINOIS

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM, AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE FOR THEODORE ST AT RIVER RD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	90
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

TRAFFIC SIGNAL EQUIPMENT INVENTORY

ITEM	APPROX. STATION	APPROX. OFFSET	FOUNDATION TYPE	EQUIPMENT
CONTROLLER	532+67.24	49.95 RT	TYPE C, 4' DEPTH	CONTROLLER EQUIPMENT
GROUND MOUNTED METERED	532+56.31	53.09 RT	TYPE A, 4' DEPTH	SERVICE INSTALLATION
M.A. 1	531+55.02	40.35 LT	36" DIAMETER, 11' DEPTH	COMBINATION MAST ARM POLE - 38' M.A.
M.A. 2	531+56.94	43.52 RT	36" DIAMETER, 13' DEPTH	COMBINATION MAST ARM POLE - 42' M.A.
M.A. 3	532+60.39	40.11 RT	36" DIAMETER, 11' DEPTH	COMBINATION MAST ARM POLE- 38' M.A.
M.A. 4	532+61.43	42.85 LT	36" DIAMETER, 11' DEPTH	COMBINATION MAST ARM POLE - 36' M.A.
POST 1	531+54.85	32.87 RT	TYPE A, 24" DIAMETER	PEDESTRIAN SIGNAL POST - 5'
POST 2	531+70.03	42.30 RT	TYPE A, 24" DIAMETER	PEDESTRIAN SIGNAL POST - 5'
POST 3	531+54.60	32.47 LT	TYPE A, 24" DIAMETER	PEDESTRIAN SIGNAL POST - 5'
POST 4	531+67.14	42.07 LT	TYPE A, 24" DIAMETER	PEDESTRIAN SIGNAL POST - 5'
POST 5	532+50.89	41.56 LT	TYPE A, 24" DIAMETER	PEDESTRIAN SIGNAL POST - 5'
POST 6	532+62.48	32.69 LT	TYPE A, 24" DIAMETER	PEDESTRIAN SIGNAL POST - 5'
POST 7	532+48.24	42.63 RT	TYPE A, 24" DIAMETER	PEDESTRIAN SIGNAL POST - 5'
POST 8	532+62.36	32.62 RT	TYPE A, 24" DIAMETER	PEDESTRIAN SIGNAL POST - 5'
HH1	531+48.06	31.45 RT		HANDHOLE
HH2	531+48.01	39.38 LT		HANDHOLE
HH3	532+67.62	46.92 LT		DOUBLE HANDHOLE
HH4	532+63.41	44.58 RT		DOUBLE HANDHOLE

A

THEODORE ST
CITY OF JOLIET

B

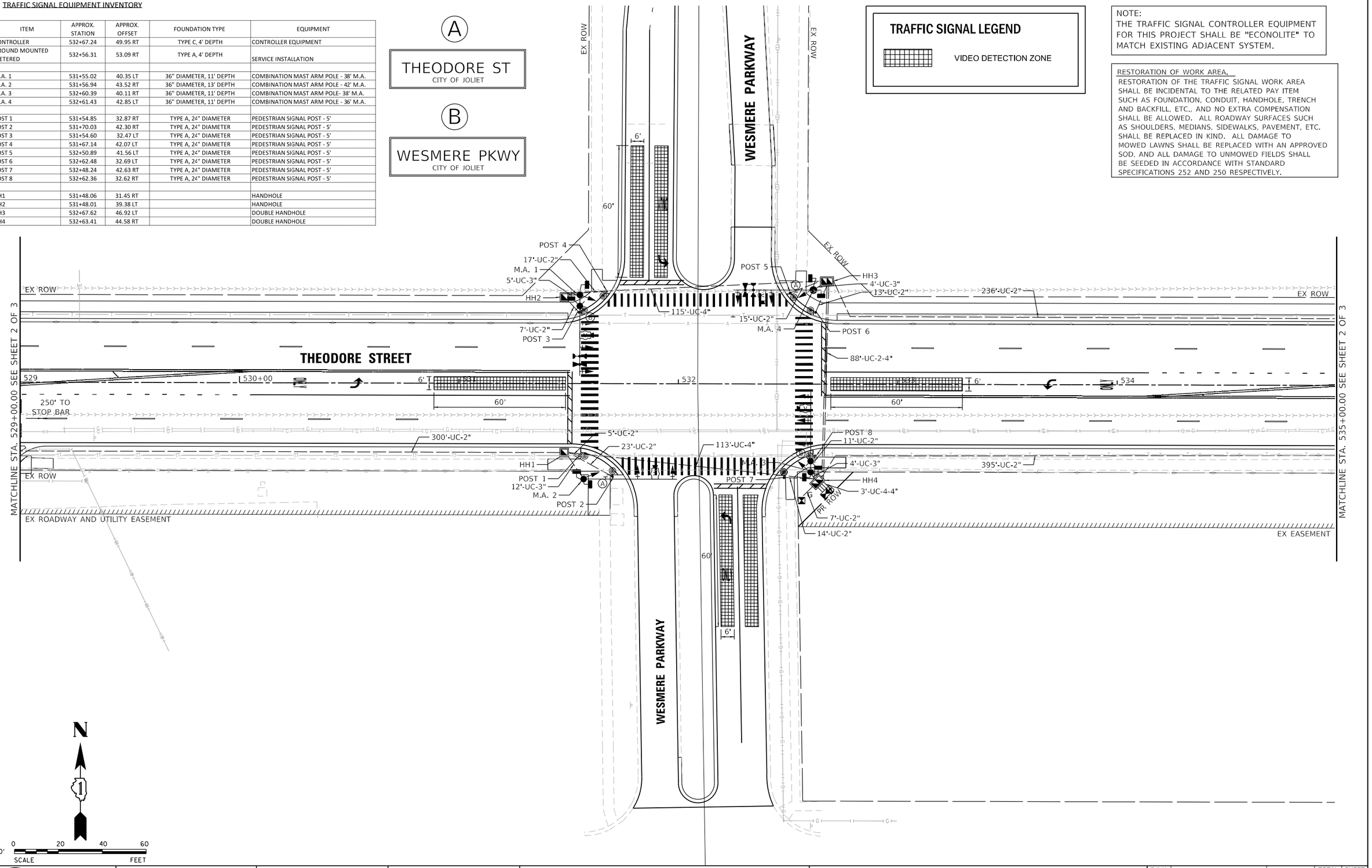
WESMERE PKWY
CITY OF JOLIET

TRAFFIC SIGNAL LEGEND

VIDEO DETECTION ZONE

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA.
RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, 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 STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



N

1"=20'

0 20 40 60
SCALE FEET

TS SHT NO. 04

MODEL: Default
FILE NAME: N:\2022\220160\Drawings\Mstn\CADD_Sheets\Project 1A\D1220160-sht-ts-04.dgn

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PLOT SCALE = 40'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

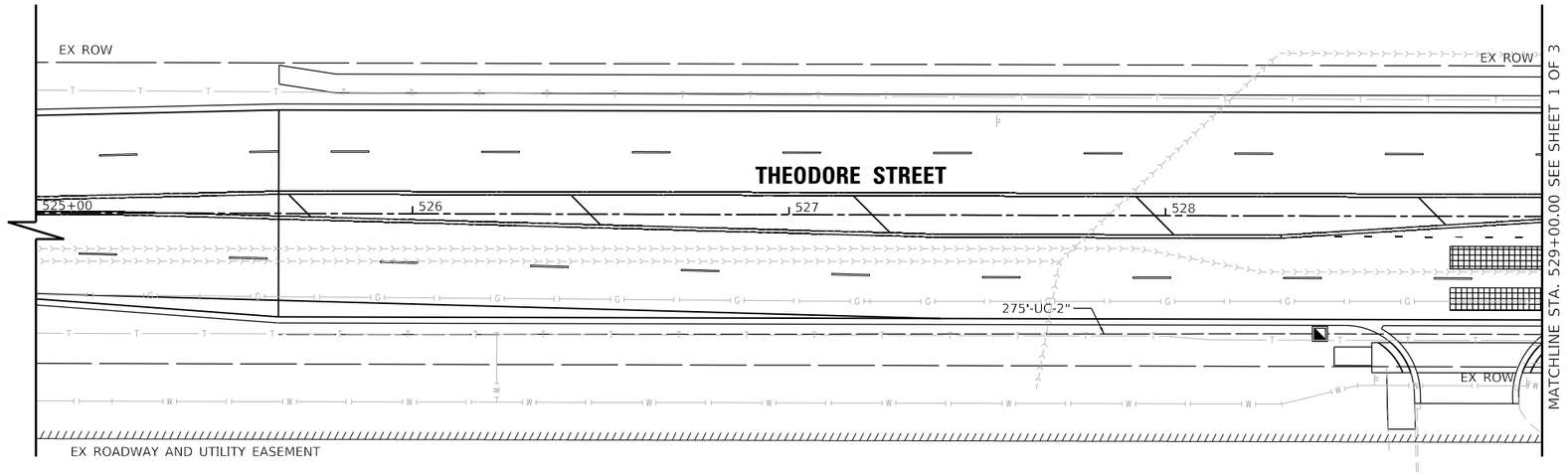
THEODORE STREET WIDEN AND RESURFACE
JOLIET ILLINOIS

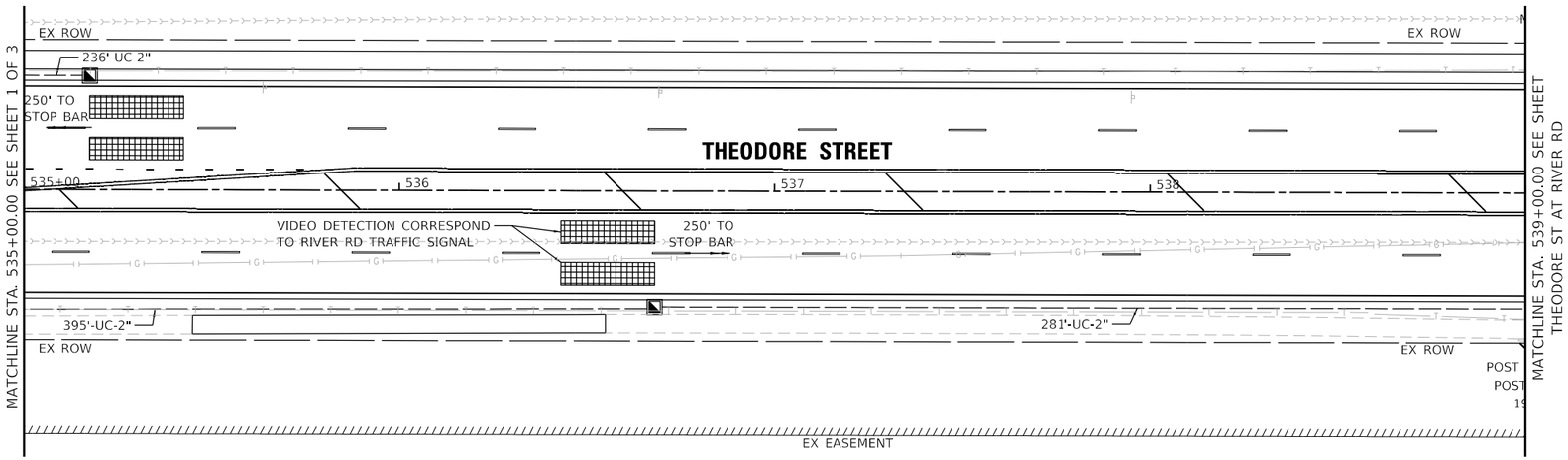
TRAFFIC SIGNAL MODERNIZATION PLAN
THEODORE ST AT WESMERE PWKY
SCALE: 1"=20' | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	91
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

TRAFFIC SIGNAL LEGEND

VIDEO DETECTION ZONE





N

1"=20'

0 20 40 60

SCALE FEET

TS SHT NO. 05

MODEL: Default
FILE NAME: N:\2022\22016O\Drawings\Mstn\CADD_Sheets\Project 1A\D1220160-sht-ts-05.dgn

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USER NAME = cfigus	DESIGNED - BNP	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 40'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

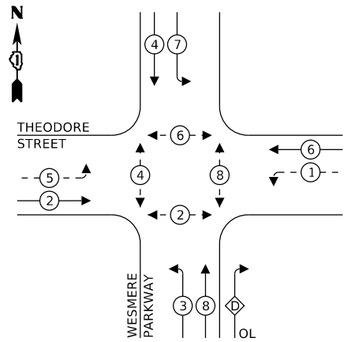
THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

TRAFFIC SIGNAL MODERNIZATION PLAN
THEODORE ST AT WESMERE PWKY

SCALE: 1"=20' | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	92
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



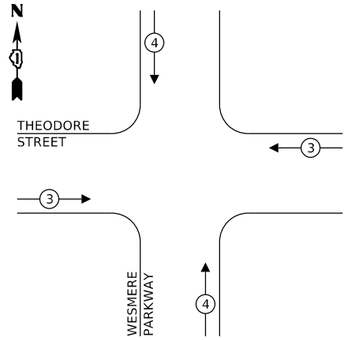
LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
D	=	8	+	1

PROPOSED CONTROLLER SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↑ ↓

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	17	50	119.0
(YELLOW)	14	25	25	87.5
(GREEN)	14	15	25	52.5
ARROW	14	12	10	16.8
PED. SIGNAL	8	25	100	200.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	4	25	50	50.0
LUMINAIRE	-	-	-	-
			TOTAL =	800.8

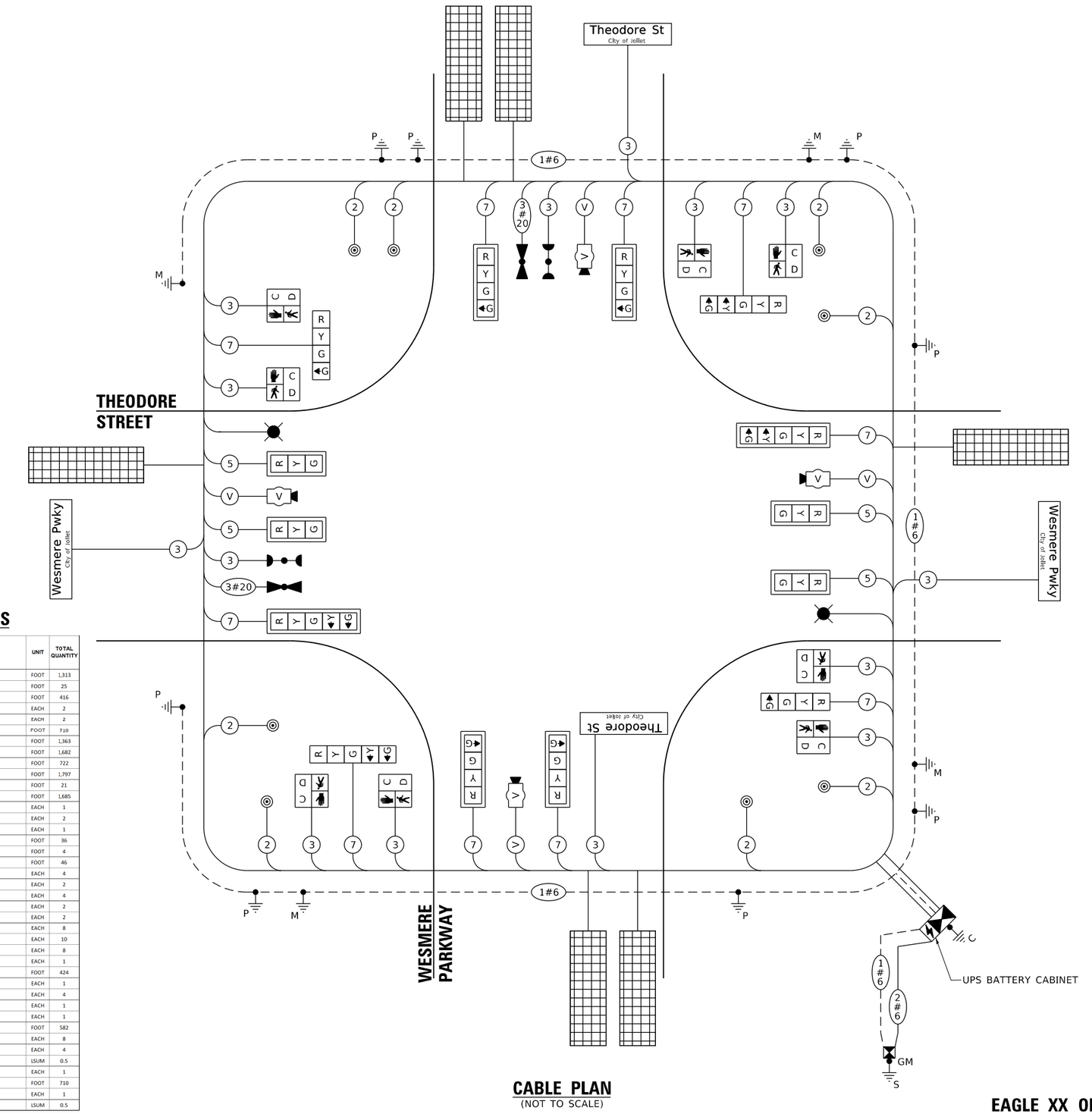
ENERGY COSTS TO:

CITY OF JOLIET
150 W JEFFERSON ST
JOLIET, IL 60432

ENERGY SUPPLY: CONTACT: ---
PHONE: ---
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	TOTAL QUANTITY
UNDEGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,313
UNDEGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	25
UNDEGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	416
HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
ELCTRIC CABLE IN CONDUIT, TRACER, NO.14 1C	FOOT	710
ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 2C	FOOT	1,363
ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 3C	FOOT	1,682
ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 5C	FOOT	722
ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 7C	FOOT	1,797
ELECTRIC CABLE IN CONDUIT , SERVICE NO.6 2C	FOOT	21
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO.6 1C	FOOT	1,685
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	36
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	46
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LEDM 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10
PEDESTRIAN PUSH-BUTTON	EACH	8
REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO.20 3/C	FOOT	424
SOLAR-POWERED FLASHING BEACON ASSEMBLY (COMPLETE)	EACH	1
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW	FOOT	582
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	8
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	4
TRAFFIC CONTROL AND PROTECTION (SPECIAL)	LSUM	0.5
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE	FOOT	710
EMERGENCY VEHICLE PRIORITY SYSTEM	EACH	1
CONSTRUCTION LAYOUT	LSUM	0.5



CABLE PLAN
(NOT TO SCALE)

TS XXX
EAGLE XX OR ECON XX

TS SHT NO. 06

MODEL: Default
FILE NAME: N:\2022\220160\Drawings\Mstn\GADD_Sheets\Project 1A\D1220160-sht-ts-06.dgn

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	DRAWN - DRP	REVISED -
PLOT SCALE = 2'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE
JOLIET ILLINOIS

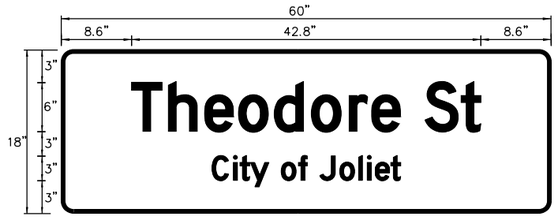
CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE FOR THEODORE ST AND WESMERE PWKY

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

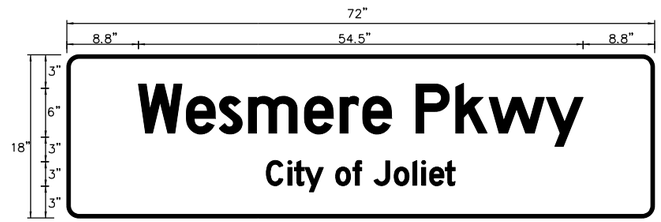
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	93
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

ONE SIDED ILLUMINATED SIGN PANEL – TYPE 1

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
C	7.5	LED ILL.	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
C	9.0	LED ILL.	ZZ	2

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 6'-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.

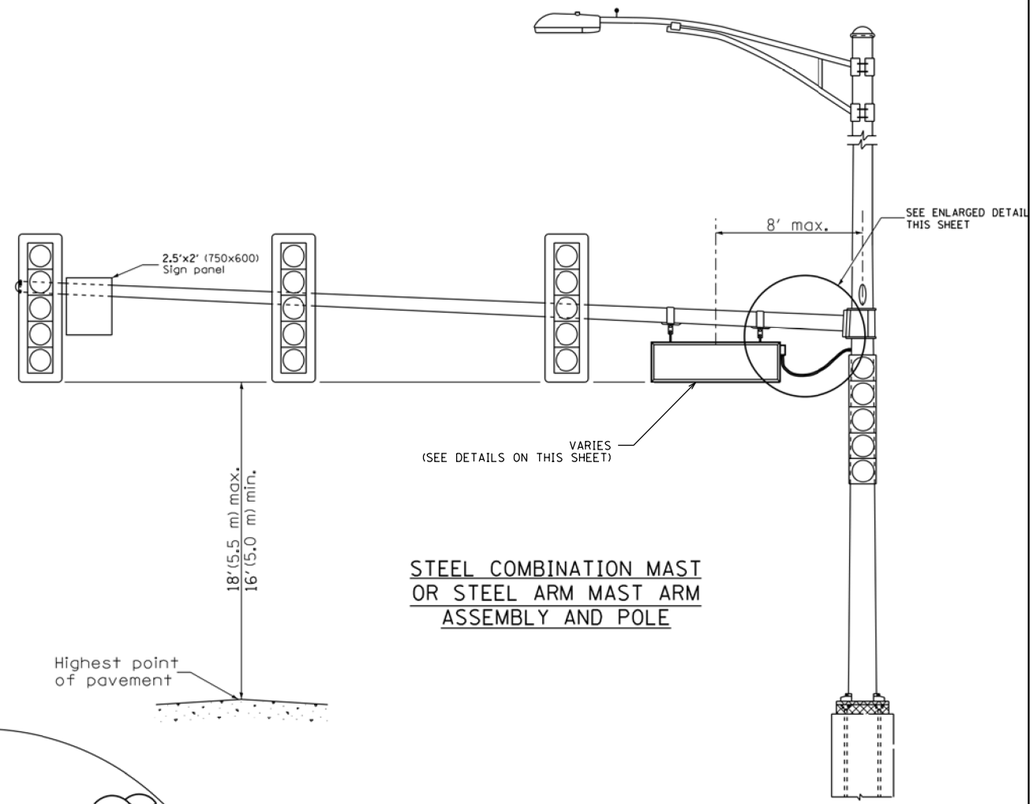
2. ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)

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.

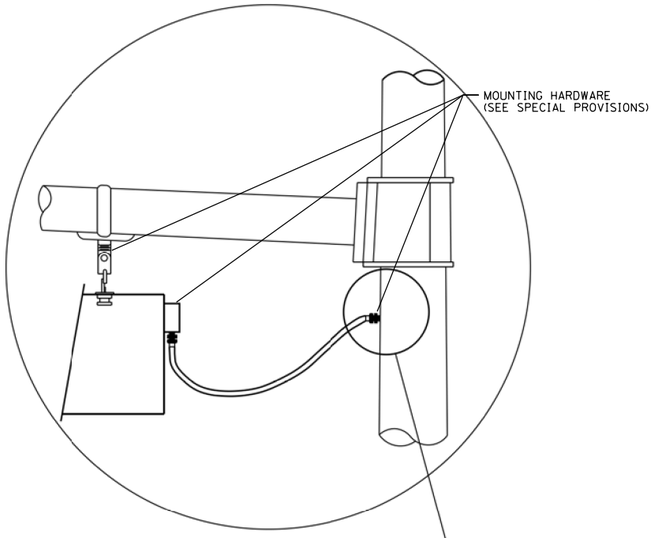
4. A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8"-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD 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.

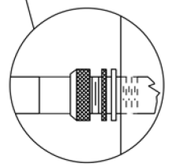
6. BRANDS OF MOUNTING MATERIAL MUST BE APPROVED BY DEPARTMENT.



STEEL COMBINATION MAST
OR STEEL ARM MAST ARM
ASSEMBLY AND POLE



L.E.D. SIGN ENLARGED
CABLE CONNECTOR DETAIL



L.E.D. SIGN ENLARGED
CABLE CONNECTOR DETAIL

LED ILLUMINATED SIGN PANEL

NOTES:

1. SIGNS SHALL BE DUAL SIDED. FRONT AND BACK OF SIGN WILL BE THE SAME.
2. SIGNS SHALL NOT BE ENERGIZED WHEN TRAFFIC SIGNALS ARE POWERED BY THE UPS. THE SIGNS SHALL BE CONNECTED TO THE UPS BYPASS CIRCUITRY.
3. ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED:
   R = RED BL = BLUE W = WHITE
   B = BLACK Y = YELLOW G = GREEN
4. ALL 120 VOLT SYSTEM AND ALL CONTROL WIRING SHALL BE #12AWG STRANDED UNLESS OTHERWISE INDICATED.
5. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

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630.724.9202 fax
www.v3co.com

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	DRAWN - DRP	REVISED -
PLOT SCALE = 2'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE

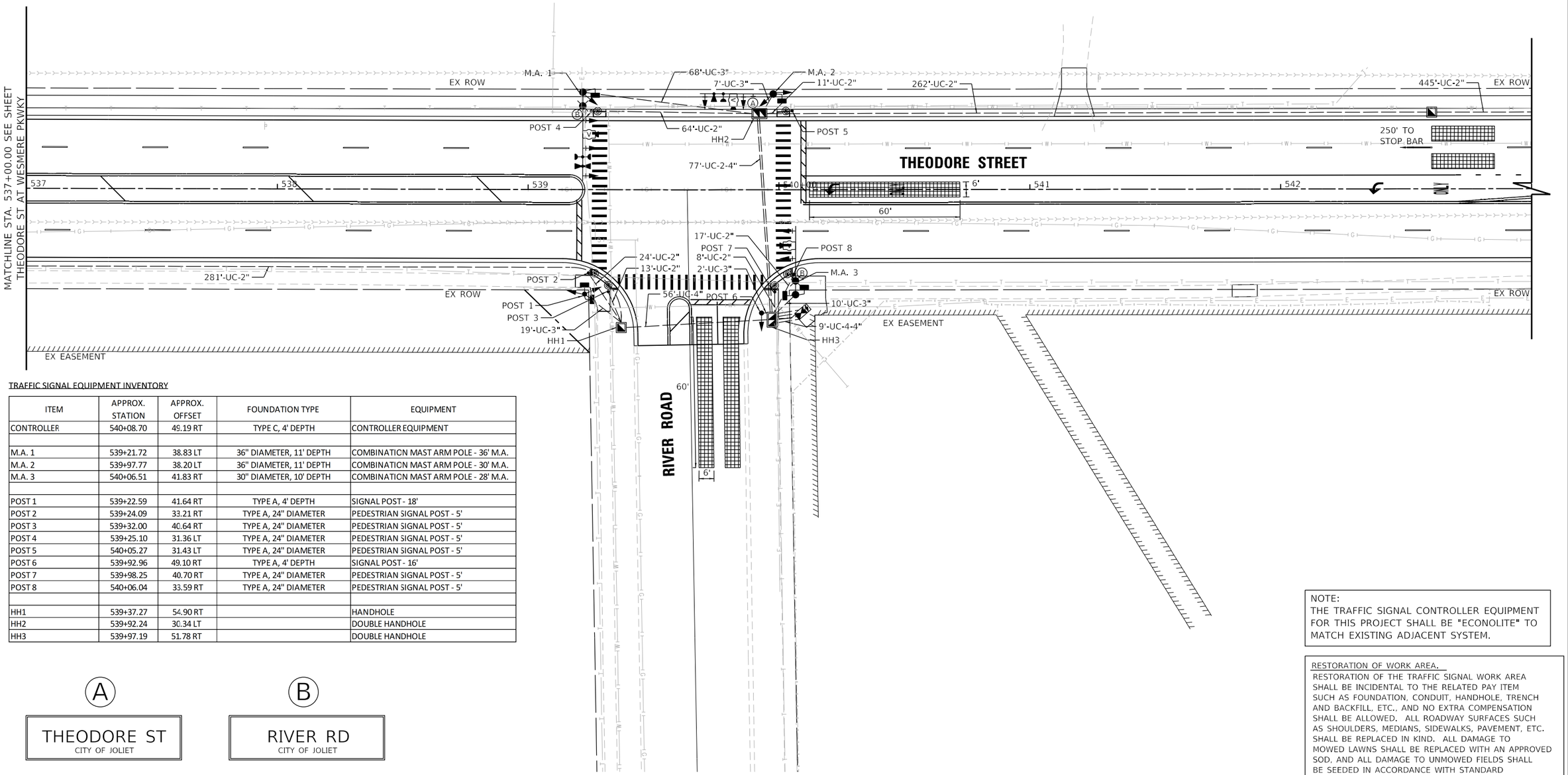
JOLIET ILLINOIS

MAST ARM MOUNTED ILLUMINATED STREET NAME SIGN INSTALLATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	94
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: E:\2022\220160\Drawings\Mstn\CADD_Sheets\Project 1\AD1220160-slt1-s-06a.dgn



TRAFFIC SIGNAL EQUIPMENT INVENTORY

ITEM	APPROX. STATION	APPROX. OFFSET	FOUNDATION TYPE	EQUIPMENT
CONTROLLER	540+08.70	49.19 RT	TYPE C, 4' DEPTH	CONTROLLER EQUIPMENT
M.A. 1	539+21.72	38.83 LT	36" DIAMETER, 11' DEPTH	COMBINATION MAST ARM POLE - 36' M.A.
M.A. 2	539+97.77	38.20 LT	36" DIAMETER, 11' DEPTH	COMBINATION MAST ARM POLE - 30' M.A.
M.A. 3	540+06.51	41.83 RT	30" DIAMETER, 10' DEPTH	COMBINATION MAST ARM POLE - 28' M.A.
POST 1	539+22.59	41.64 RT	TYPE A, 4' DEPTH	SIGNAL POST - 18'
POST 2	539+24.09	33.21 RT	TYPE A, 24" DIAMETER	PEDESTRIAN SIGNAL POST - 5'
POST 3	539+32.00	40.64 RT	TYPE A, 24" DIAMETER	PEDESTRIAN SIGNAL POST - 5'
POST 4	539+25.10	31.36 LT	TYPE A, 24" DIAMETER	PEDESTRIAN SIGNAL POST - 5'
POST 5	540+05.27	31.43 LT	TYPE A, 24" DIAMETER	PEDESTRIAN SIGNAL POST - 5'
POST 6	539+92.96	49.10 RT	TYPE A, 4' DEPTH	SIGNAL POST - 16'
POST 7	539+98.25	40.70 RT	TYPE A, 24" DIAMETER	PEDESTRIAN SIGNAL POST - 5'
POST 8	540+06.04	33.59 RT	TYPE A, 24" DIAMETER	PEDESTRIAN SIGNAL POST - 5'
HH1	539+37.27	54.90 RT		HANDHOLE
HH2	539+92.24	30.34 LT		DOUBLE HANDHOLE
HH3	539+97.19	51.78 RT		DOUBLE HANDHOLE

(A) THEODORE ST
CITY OF JOLIET

(B) RIVER RD
CITY OF JOLIET

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA.
RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, 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 STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

TS SHT NO. 07

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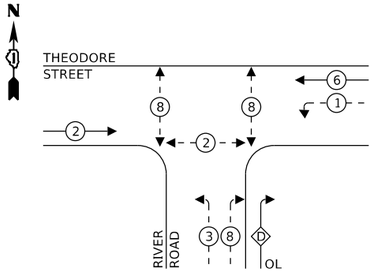
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USER NAME = cfigus	DESIGNED - BNP	REVISED -
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PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE
JOLIET ILLINOIS

TRAFFIC SIGNAL MODERNIZATION PLAN
THEODORE ST AT RIVER RD
SCALE: 1"=20' | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	95
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



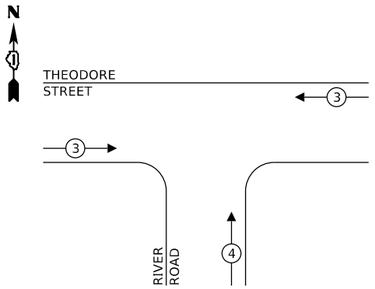
LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
D	=	8	+	1

PROPOSED CONTROLLER SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↑

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	13	17	50	110.5
(YELLOW)	13	25	25	81.3
(GREEN)	13	15	25	48.8
ARROW	8	12	10	9.6
PED. SIGNAL	6	25	100	150.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	3	25	50	37.5
LUMINAIRE	-	-	-	-
			TOTAL =	712.7

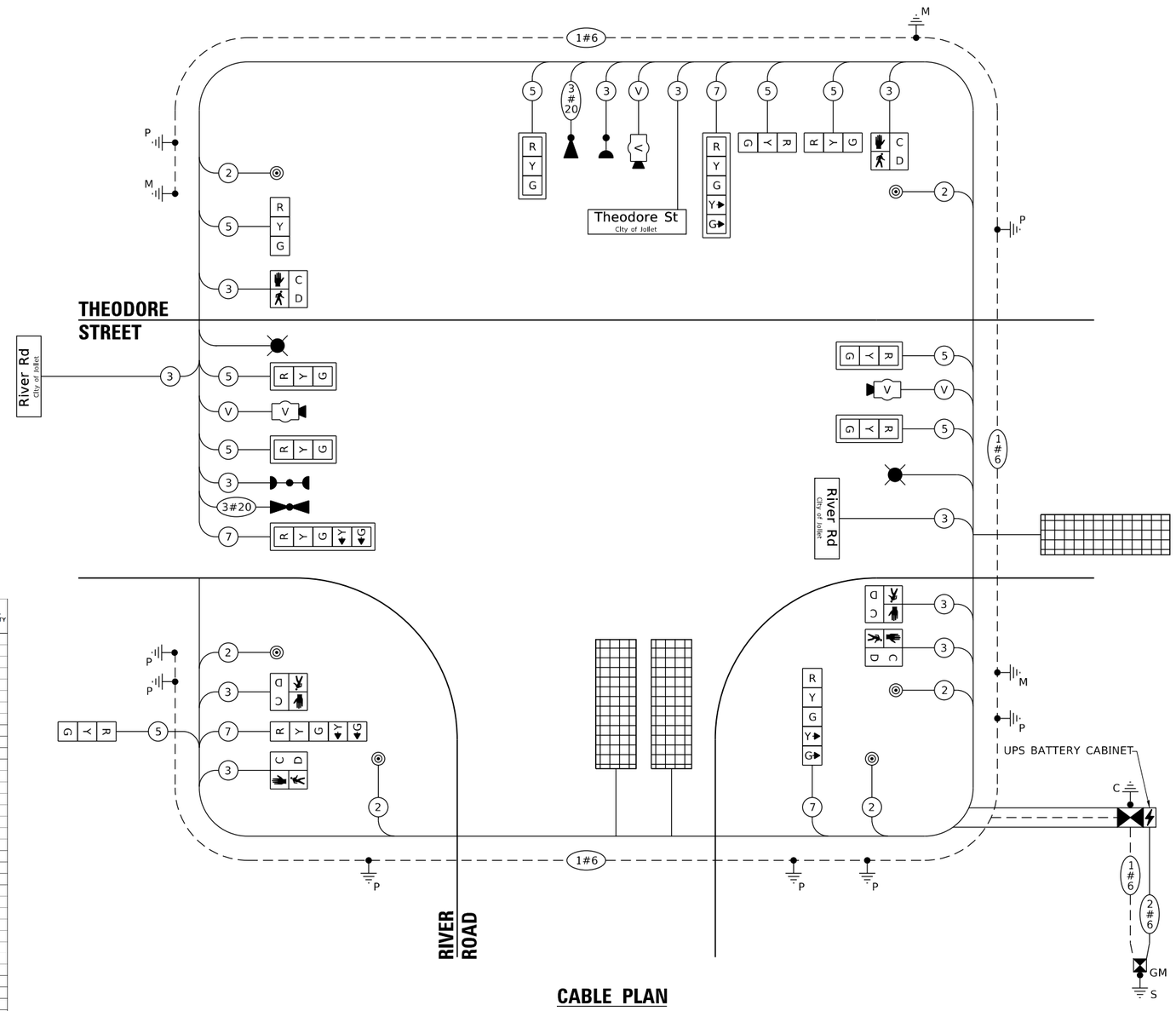
ENERGY COSTS TO:

CITY OF JOLIET
150 W JEFFERSON ST
JOLIET, IL 60432

ENERGY SUPPLY: CONTACT: ---
PHONE: ---
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	TOTAL QUANTITY
UNDEGROUND CONDUIT, GALVANIZED STEEL, 2" D.A.	FOOT	1,121
UNDEGROUND CONDUIT, GALVANIZED STEEL, 3" D.A.	FOOT	106
UNDEGROUND CONDUIT, GALVANIZED STEEL, 4" D.A.	FOOT	246
HANDHOLE	EACH	1
DOUBLE HANDHOLE	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELCTRIC CABLE IN CONDUIT, TRACER, NO.14 1C	FOOT	710
ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 2C	FOOT	838
ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 3C	FOOT	1,070
ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 5C	FOOT	1,419
ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 7C	FOOT	581
ELECTRIC CABLE IN CONDUIT , SERVICE NO.6 2C	FOOT	0
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO.6 1C	FOOT	1,369
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16FT	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18FT	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	32
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	22
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LEDM 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	7
PEDESTRIAN PUSH-BUTTON	EACH	6
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	1
REMOVE EXISTING DOUBLE HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	7
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO.20 3/C	FOOT	358
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	3
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW	FOOT	444
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	6
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPRCACH	EACH	3
TRAFFIC CONTROL AND PROTECTION (SPECIAL)	LSUM	0.5
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE	FOOT	710
EMERGENCY VEHICLE PRIORITY SYSTEM	EACH	1
CONSTRUCTION LAYOUT	LSUM	0.5
OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1



CABLE PLAN

(NOT TO SCALE)

TS XXX
ECON XX

TS SHT NO. 08

MODEL: Default
FILE NAME: N:\2022\220160\Drawings\Mstn\CADD_Sheets\Project 1A\D\220160-sht-ts-08.dgn

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PLOT SCALE = 2'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE
JOLIET ILLINOIS

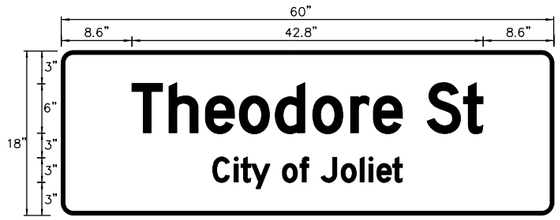
CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE FOR THEODORE ST AND RIVER RD

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

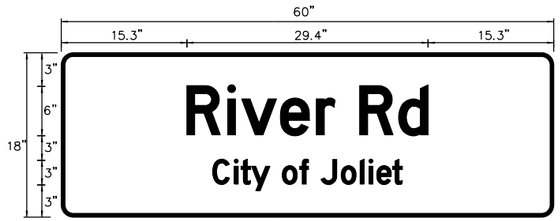
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	96
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

ONE SIDED ILLUMINATED SIGN PANEL – TYPE 1

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



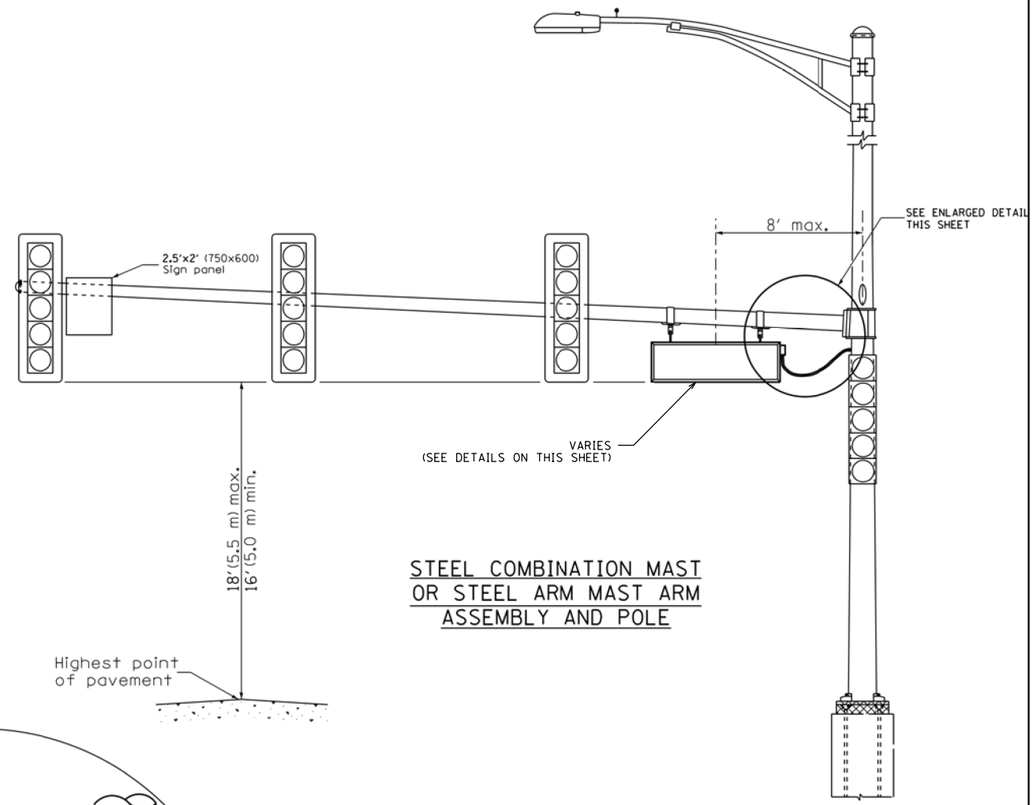
DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
C	7.5	LED ILL.	ZZ	1



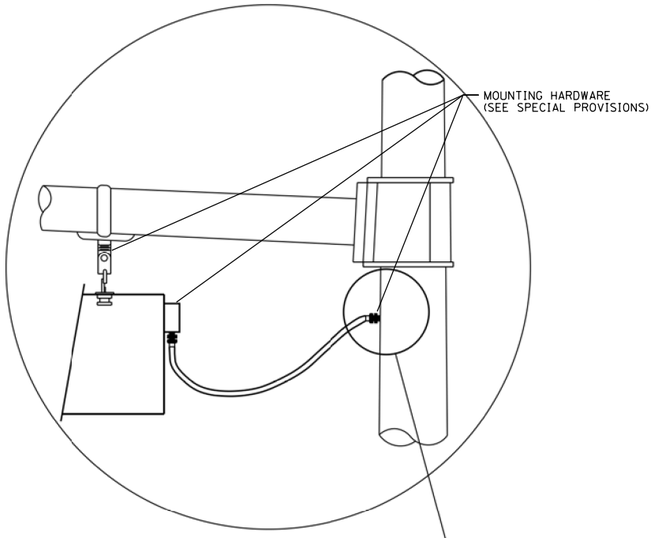
DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
C	7.5	LED ILL.	ZZ	2

GENERAL NOTES

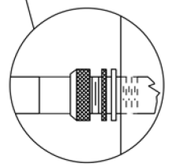
1. WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 6'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE 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. BRANDS OF MOUNTING MATERIAL MUST BE APPROVED BY DEPARTMENT.



STEEL COMBINATION MAST
OR STEEL ARM MAST ARM
ASSEMBLY AND POLE



L.E.D. SIGN ENLARGED
CABLE CONNECTOR DETAIL



L.E.D. SIGN ENLARGED
CABLE CONNECTOR DETAIL

LED ILLUMINATED SIGN PANEL

NOTES:

1. SIGNS SHALL BE ONE SIDED. FRONT AND BACK OF SIGN WILL BE THE SAME.
2. SIGNS SHALL NOT BE ENERGIZED WHEN TRAFFIC SIGNALS ARE POWERED BY THE UPS. THE SIGNS SHALL BE CONNECTED TO THE UPS BYPASS CIRCUITRY.
3. ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED:
   R = RED BL = BLUE W = WHITE
   B = BLACK Y = YELLOW G = GREEN
4. ALL 120 VOLT SYSTEM AND ALL CONTROL WIRING SHALL BE #12AWG STRANDED UNLESS OTHERWISE INDICATED.
5. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

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PLOT SCALE = 2'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE

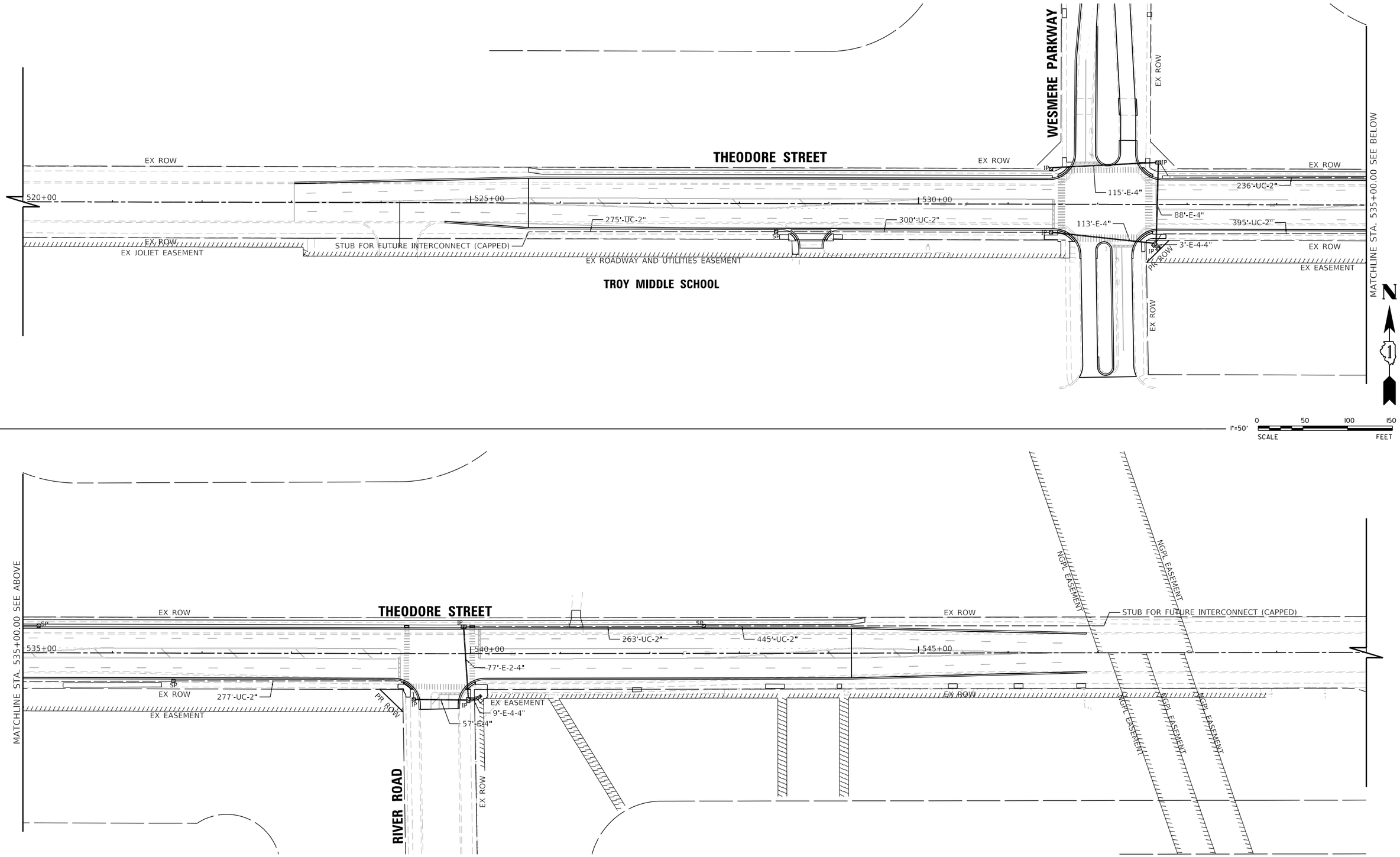
JOLIET ILLINOIS

MAST ARM MOUNTED ILLUMINATED STREET NAME SIGN INSTALLATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	97
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

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TS SHT NO. 09

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	DRAWN - DRP	REVISED -
PLOT SCALE = 100'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE - 9/30/2020	REVISED -

THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

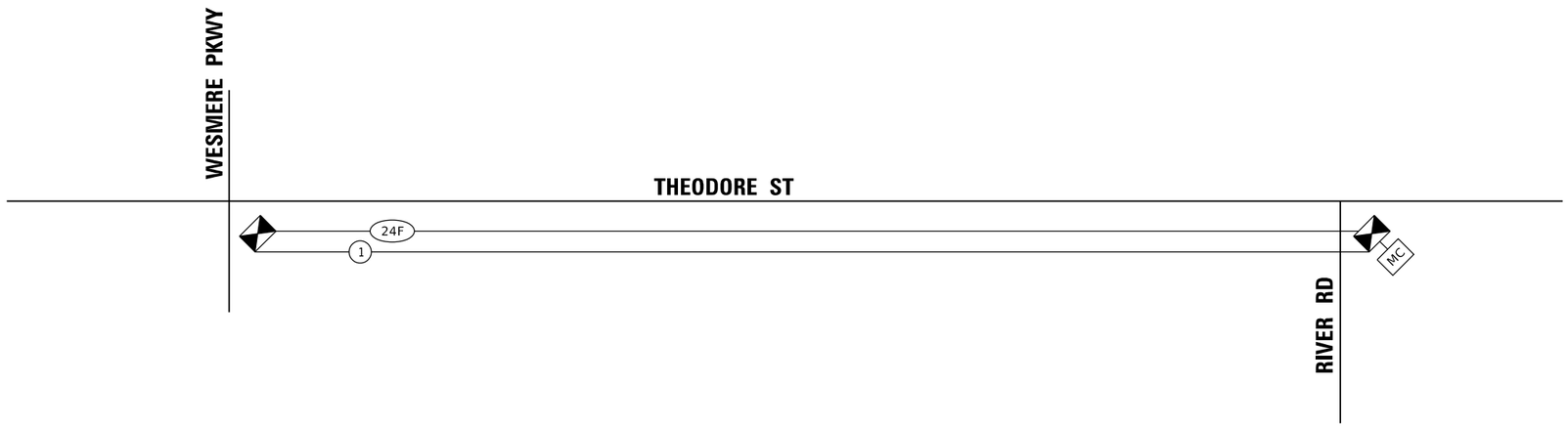
PROPOSED INTERCONNECT PLAN
THEODORE ST AT WESMERE PWKY AND RIVER RD

SCALE: 1"=50' | SHEET 1 OF 2 SHEETS | STA. 520+00.00 TO STA. 550+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	98
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

INTERCONNECT SCHEMATIC LEGEND

- PROPOSED CONTROLLER
- (1) PROPOSED TRACER CABLE NO. 14 1/C
- (24F) PROPOSED FIBER OPTIC CABLE



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	2191
HANDHOLE	EACH	4
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1420
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	610
OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
FIBER OPTIC CABLE, SINGLE MODE, ARMORED, 24 FIBERS	FOOT	1420

TS SHT NO. 10

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	DRAWN - DRP	REVISED -
PLOT SCALE = 2'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE
JOLIET ILLINOIS

PROPOSED INTERCONNECT SCHEMATIC PLAN
SCALE: NONE | SHEET 8 OF X SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	99
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

CIRCUIT DESIGNATION IDENTIFICATION

CONTROLLER DESIGNATION
LIGHTING CIRCUIT DESIGNATION
POLE NO. ON GIVEN CIRCUIT

X-X-X
STA XXX+XX.XX; O/S

CONDUIT AND CABLE LEGEND

(A) UNIT DUCT, 600V, 2-1C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1½" DIA. POLYETHYLENE

CONDUIT AND WIRE IDENTIFICATION

(A) — 1 RUN OF CONDUIT/WIRE

(A)(A) — 2 RUNS OF CONDUIT/WIRE

PROPOSED LUMEC ROADFOCUS RFL SERIES LED ROADWAY LUMINAIRE AND POLE ON 24" CONCRETE FOUNDATION WITH GROUND ROD, 35'-0" MOUNTING HEIGHT, 12' MAST ARM, 135 WATT, TYPE III MEDIUM DISTRIBUTION, 120V, 4000K COLOR TEMPERATURE, GRAY

PROPOSED LUMEC ROADFOCUS RFL SERIES LED ROADWAY LUMINAIRE, 45'-0" MOUNTING HEIGHT, 12' MAST ARM, 135 WATT, TYPE III MEDIUM DISTRIBUTION, 4000K COLOR TEMPERATURE, GRAY ON COMBINATION POLE (SEE TRAFFIC SIGNAL PLANS)

E — PROPOSED UNIT DUCT (SEE CONDUIT AND CABLE LEGEND)

PROPOSED RIGID GALVANIZED STEEL CONDUIT SLEEVE, 3" DIA.

EXISTING 120/240V STREET LIGHTING CONTROLLER, SINGLE PHASE, BASE MOUNTED

THEODORE STREET

520+00 | 525+00 | 530+00

EX ROW

EX JOLIET EASEMENT

EX ROADWAY AND UTILITIES EASEMENT

WESMERE PARKWAY

EX EASEMENT

MATCHLINE STA. 535+00.00 SEE BELOW

STA. 532+48, 32' RT
PROPOSED CONDUIT SHALL HAVE MINIMUM 2' VERTICAL CLEARANCE FROM EXISTING GAS MAIN

TOP ELEV EX GAS = 614.1
BOT ELEV EX GAS = 613.8

SEE TRAFFIC SIGNAL PLANS FOR COMBINATION POLE LIGHTING (TYP.)

RIVER.A.9 STA. 525+05.00, 32.08' RT
RIVER.A.8 STA. 526+40.00, 32.08' RT
RIVER.A.7 STA. 527+75.00, 32.08' RT
RIVER.A.6 STA. 529+25.00, 32.08' RT
RIVER.A.5 STA. 530+38.00, 32.08' RT
RIVER.A.4 STA. 534+11.00, 32.08' RT

TROY MIDDLE SCHOOL

N

1"=50' SCALE 0 50 100 150 FEET

MATCHLINE STA. 535+00.00 SEE ABOVE

THEODORE STREET

535+00 | 540+00 | 545+00

EX ROW

EX EASEMENT

NPGL EASEMENT

RIVER ROAD

SEE TRAFFIC SIGNAL PLANS FOR COMBINATION POLE LIGHTING (TYP.)

STA. 539+45, 42' RT
PROPOSED CONDUIT SHALL HAVE MINIMUM 2' VERTICAL CLEARANCE FROM EXISTING GAS MAIN

TOP ELEV EX GAS = 615.6
BOT ELEV EX GAS = 615.1

CONNECT PROPOSED FEEDERS TO EXISTING CIRCUIT BREAKERS IN EXISTING LIGHTING CONTROLLER

PROPOSED CONDUIT STUB OUT CAPPED FOR FUTURE LIGHTING

RIVER.A.3 STA. 536+61.00, 32.08' RT
RIVER.A.2 STA. 537+11.00, 32.08' RT
RIVER.A.1 STA. 538+16.00, 32.08' RT
RIVER.B.1 STA. 541+61.00, 32.08' RT
RIVER.B.2 STA. 543+11.00, 32.08' RT
RIVER.B.3 STA. 544+61.00, 32.08' RT
RIVER.B.4 STA. 546+11.00, 32.08' RT

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630.724.9202 fax
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PLOT SCALE = 100'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE - 9/30/2020	REVISED -

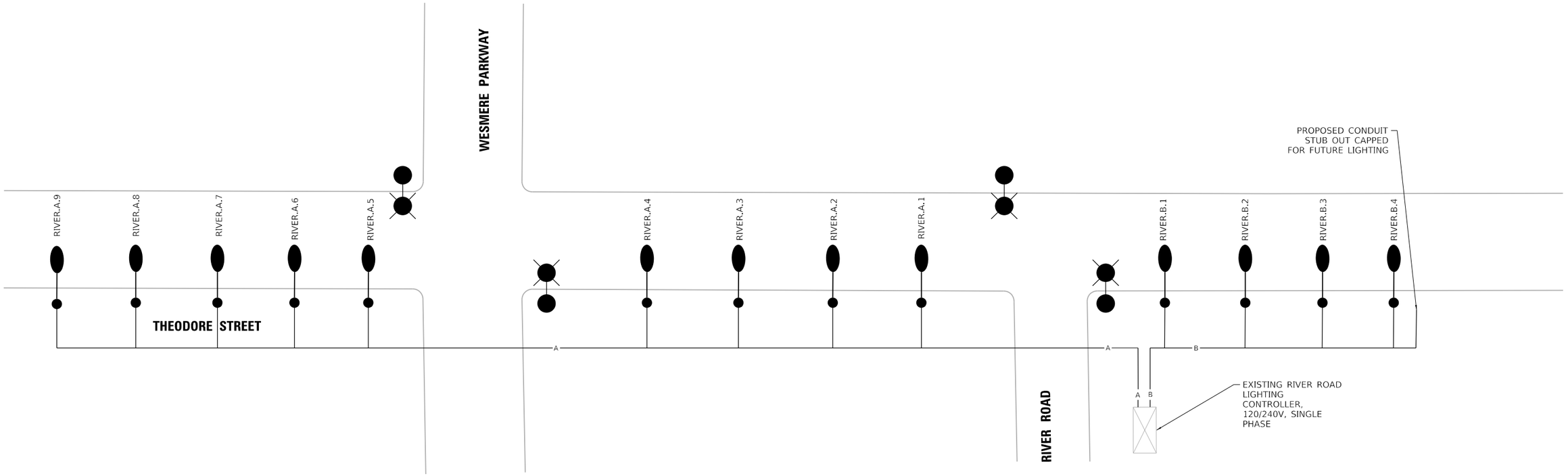
THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

STREET LIGHTING PLAN

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. 520+00.00 TO STA. 550+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	100
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



PROPOSED LUMEC ROADFOCUS RFL SERIES LED ROADWAY LUMINAIRE AND POLE ON 24" CONCRETE FOUNDATION WITH GROUND ROD, 35'-0" MOUNTING HEIGHT, 12' MAST ARM, 135 WATT, TYPE III MEDIUM DISTRIBUTION, 240V, 4000K COLOR TEMPERATURE, GRAY

PROPOSED LUMEC ROADFOCUS RFL SERIES LED ROADWAY LUMINAIRE, 35'-0" MOUNTING HEIGHT, 12' MAST ARM, 135 WATT, TYPE III MEDIUM DISTRIBUTION, 4000K COLOR TEMPERATURE, GRAY ON COMBINATION POLE (SEE TRAFFIC SIGNAL PLANS)

EXISTING 120/240V STREET LIGHTING CONTROLLER, SINGLE PHASE, BASE MOUNTED

LIGHTING CONTROLLER ROADWAY LIGHTING PANEL LOAD TABLE		
CIRCUIT	AMPS	WATTS
A	10.17	1215
B	4.52	540
TOTAL	14.69	1755

LOAD TABULATION IS BASED ON THE FOLLOWING

135W LUMEC RFL SERIES LUMINAIRE: 1.13A AT 120V

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PLOT SCALE = 100'	CHECKED - KRC	REVISED -
PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE

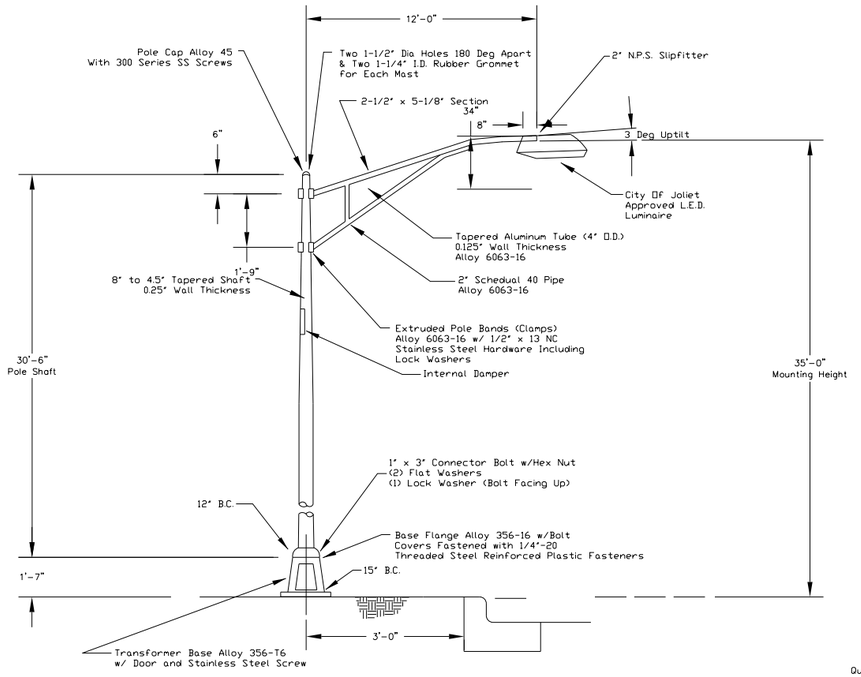
JOLIET ILLINOIS

STREET LIGHTING WIRING DIAGRAM

SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. 520+00.00 | TO STA. 550+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	101
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

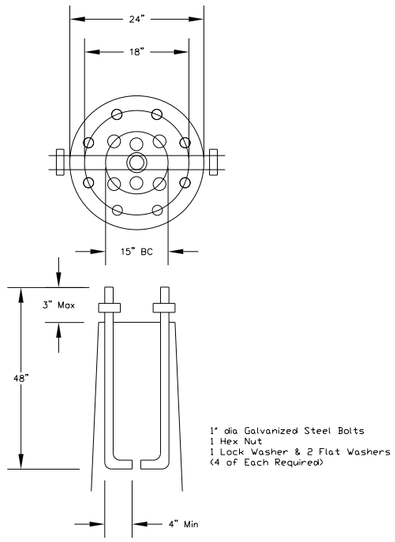
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STREET LIGHT DETAIL

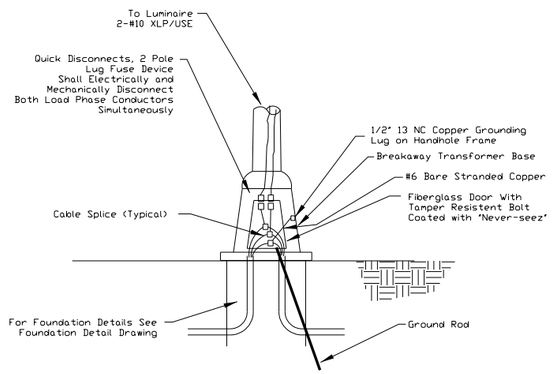
NO SCALE

DETAIL CONDUIT & CONDUCTORS



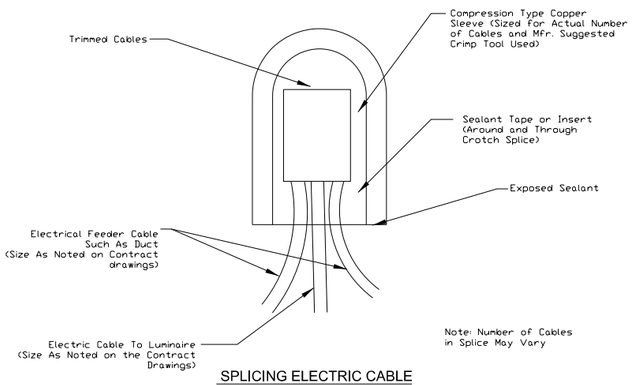
ANCHORS BOLTS

NO SCALE



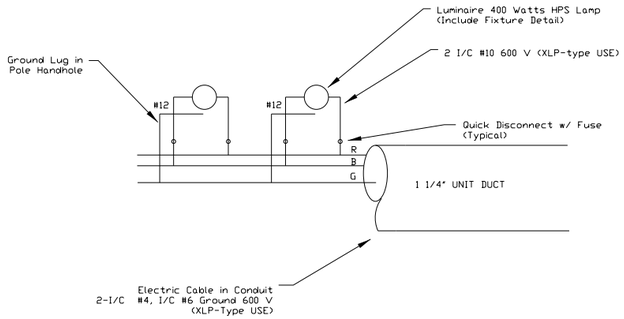
POLE BASE DETAIL - WITHOUT FESTOON

NO SCALE



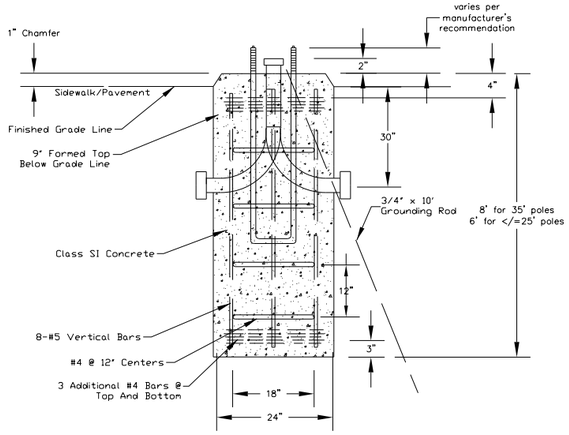
SPLICING ELECTRIC CABLE

NO SCALE



LIGHT POLE WIRING - WITHOUT FESTOON

240/120 Volt 1 Phase 3 CONDUCTOR



STREET LIGHT POLE FOUNDATION TYPE A (TYPICAL)

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.

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.

WATERPROOF INLINE FUSES (5AMP) ARE TO BE INSTALLED AT THE STREETLIGHT TRANSFORMER BASE.

LOCATION OF LIGHTING CONDUIT, DUCT HANDHOLES AND APPURTENANCES ARE SHOWN DIAGRAMMATICALLY. THE ACTUAL LOCATION IN THE FIELD MUST MEET THE APPROVAL OF THE ENGINEER.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES FOR EXAMINATION AND CONFIRMATION WITH THE ENGINEER. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO AUGURING FOR LIGHT POLE FOUNDATIONS. THE EXACT LOCATIONS OF ALL ITEMS SHALL BE CONFIRMED WITH THE ENGINEER PRIOR TO STARTING WORK.

ALL ELECTRICAL SYSTEMS, EQUIPMENT AND APPURTENANCES SHALL BE PROPERLY GROUNDED IN STRICT CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE.

GROUNDING OF POLE AND CONTROLLER INCLUDING GROUND ROD, CONDUCTOR AND LUGS INCLUDING EXOTHERMIC WELD TO GROUND ROD SHALL BE INCLUDED IN THE COST OF THE PAY ITEM FOR WHICH IT IS INSTALLED.

ALL ELECTRICAL INSTALLATION AND MATERIALS MUST MEET THE LATEST REQUIREMENTS OF STANDARDS BY THE FOLLOWING ORGANIZATIONS:

- ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT)
- NATIONAL ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)
- ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IES)
- AMERICAN ASSOCIATION OF TRANSPORTATION OFFICIALS (AATO)
- U.S. DEPARTMENT OF TRANSPORTATION (USDOT)
- UNDERWRITERS LABORATORIES (UL)
- AMERICAN STANDARD INSTITUTE (ASI)
- INSULATED POWER AND CABLE ENGINEERS ASSOCIATION (IPCEA)
- NATIONAL ELECTRICAL SAFETY CODE (NESC)
- NATIONAL ELECTRICAL CODE
- AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO)
- AMERICAN NATIONAL STANDARD PRACTICE FOR ROADWAY LIGHTING (ANSI/IESNA RP-8)

ALL SPLICING MUST BE IN POLE BASES OR JUNCTION BOXES ABOVE GRADE WITH WATERPROOF SEALANT AND HEAT SHRINKABLE PLASTIC CAPS.

PARALLEL ELECTRICAL CONDUIT RUNS SHALL BE PLACED IN A COMMON TRENCH IF POSSIBLE.

EXISTING ELECTRICAL SERVICE IS 120/240V, SINGLE-PHASE.

INSTALL CABLE IN CONTINUOUS UNCUT LENGTHS BETWEEN HANDHOLES AND LIGHT POLES.

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PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE

JOLIET ILLINOIS

ELECTRICAL DETAILS

SCALE: NTS | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	102
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT BARS	SPIRAL	VERT BARS	SPIRAL
SOFT CLAY	13'-0" (3.962 m)	15'-0" (4.572 m)	8-#6X12'-6" (3.810 m)	#3X122' (37.186 m)	8-#6X14'-3" (4.343 m)	#3X141' (42.977 m)
MEDIUM CLAY	9'-6" (2.896 m)	10'-9" (3.277 m)	8-#6X9'-0" (2.743 m)	#3X90' (27.432 m)	8-#6X10'-0" (3.048 m)	#3X100' (30.480 m)
STIFF CLAY	7'-0" (2.134 m)	8'-0" (2.438 m)	8-#6X6'-6" (1.981 m)	#3X66' (20.112 m)	8-#6X7'-6" (2.286 m)	#3X76' (23.165 m)
LOOSE SAND	9'-0" (2.743 m)	10'-0" (3.048 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)	8-#6X9'-6" (2.896 m)	#3X94' (28.651 m)
MEDIUM SAND	8'-3" (2.515 m)	9'-0" (2.743 m)	8-#6X8'-0" (2.438 m)	#3X78' (23.774 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
DENSE SAND	7'-9" (2.362 m)	9'-0" (2.743 m)	8-#6X7'-6" (2.286 m)	#3X73' (22.250 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
ROCK OR SOLIDIFIED SLAG	5'-0" (1.524 m)	5' 0" (1.524 m)	NONE	NONE	NONE	NONE

BILL OF MATERIAL

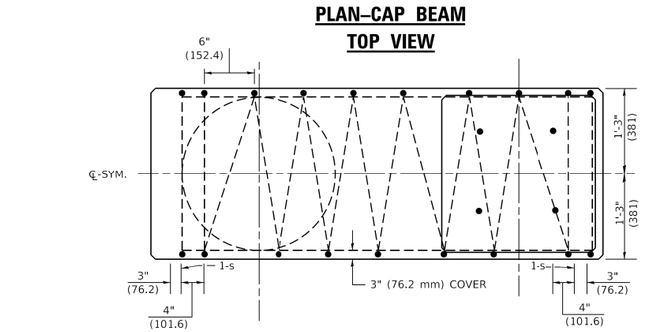
MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	8'-0" (2.438 m)	▭
s_1	3	3	7'-6" (2.286 m)	▭
v_1	8	6	2'-9" (0.838 m)	—
v_2				

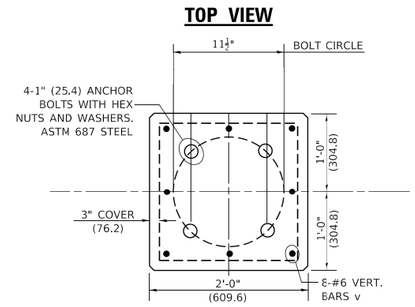
OFFSET SCHEDULE

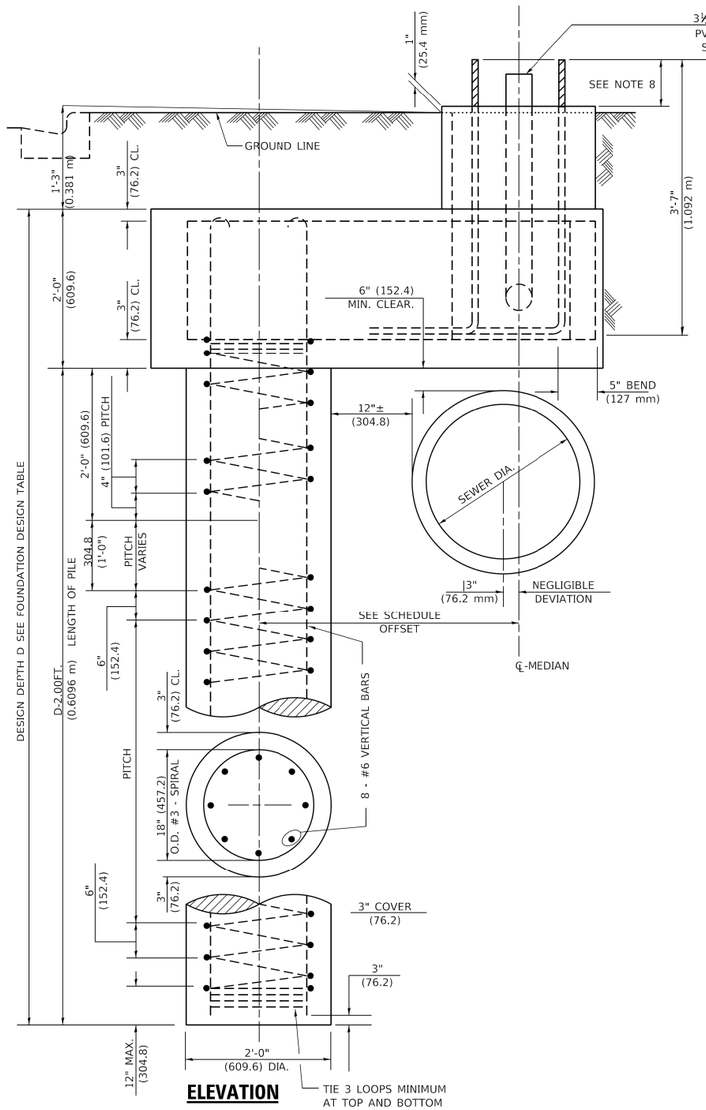
SEWER DIAM. d IN.	PILE OFFSET from ℄-MED'N FT.	LENGTH of BAR a FT.
UP TO 24" (609.6 mm)	3'-3" (0.991 m)	#6 x 5'-3" (1.600 m)
27" (685.8 m)TO 36" (914.4 mm)	3'-9" (1.143 m)	5'-9" (1.753 m)
42" (1066.8 mm) TO 48" (1219.2 mm)	4'-6" (1.372 m)	6'-6" (1.981 m)
54" (1371.6 mm) TO 60" (1524.0 mm)	5'-0" (1.524 m)	7'-0" (2.134 m)
66" (1676.4 mm) TO 72" (1828.8 mm)	5'-6" (1.676 m)	7'-6" (2.286 m)

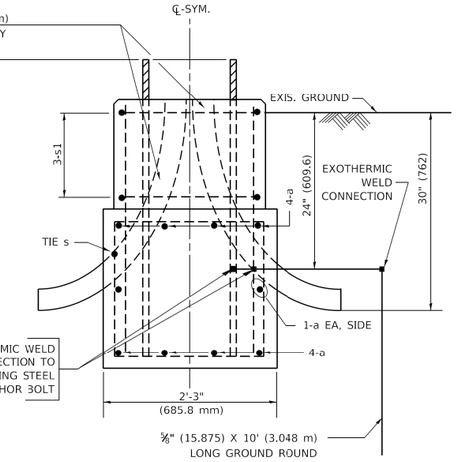
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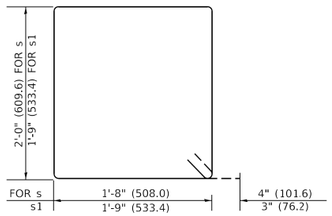
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
3. EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" (609.6 mm) OR 30" (762.0 mm) IN DIAMETER.
4. 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.
5. THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
6. 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.
7. THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT BREAKAWAY DEVICE, ANCHOR BOLTS SHALL PROJECT 23#4" (69.9 mm) ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENTION WITH ENGINEER.
8. RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
9. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERECTED.











OFFSET LIGHT POLE FOUNDATION

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PLOT DATE = 12/6/2023	DATE -	REVISED -

THEODORE STREET WIDEN AND RESURFACE
JOLIET ILLINOIS

ELECTRICAL DETAILS
SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-02-WR	WILL	118	103
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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PLOT SCALE = 20'
PLOT DATE = 12/6/2023

	DESIGNED	DRAWN	CHECKED
-	BNP	DRP	KRC
REVISED -	REVISED -	REVISED -	REVISED -

JOLIET
ILLINOIS

THEODORE STREET WIDEN AND RESURFACE

SCALE: 1"=10'

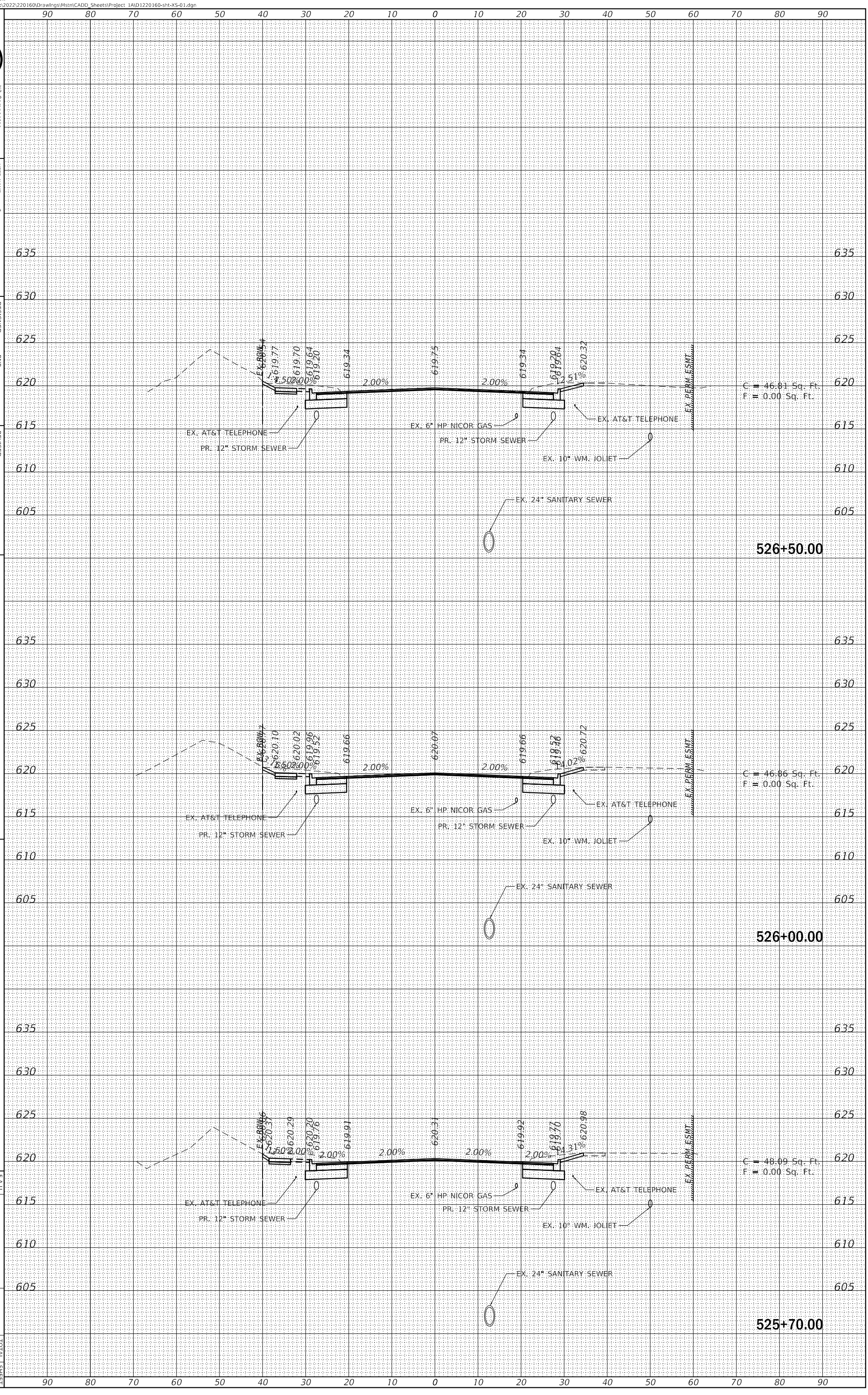
CROSS SECTIONS

SHEET 1 OF 15 SHEETS | STA. 525+70.00 TO STA. 526+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-00-WR	WILL	118	104

ILLINOIS FED. AID PROJECT

CONTRACT NO.



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630.724.9202 fax
www.v3co.com

USER NAME = cfigus
PLOT SCALE = 20'
PLOT DATE = 12/6/2023

	DESIGNED	-	BNP
	DRAWN	-	DRP
	CHECKED	-	KRC
	DATE	-	

REVISED	-	
REVISED	-	
REVISED	-	

JOLIET — ILLINOIS

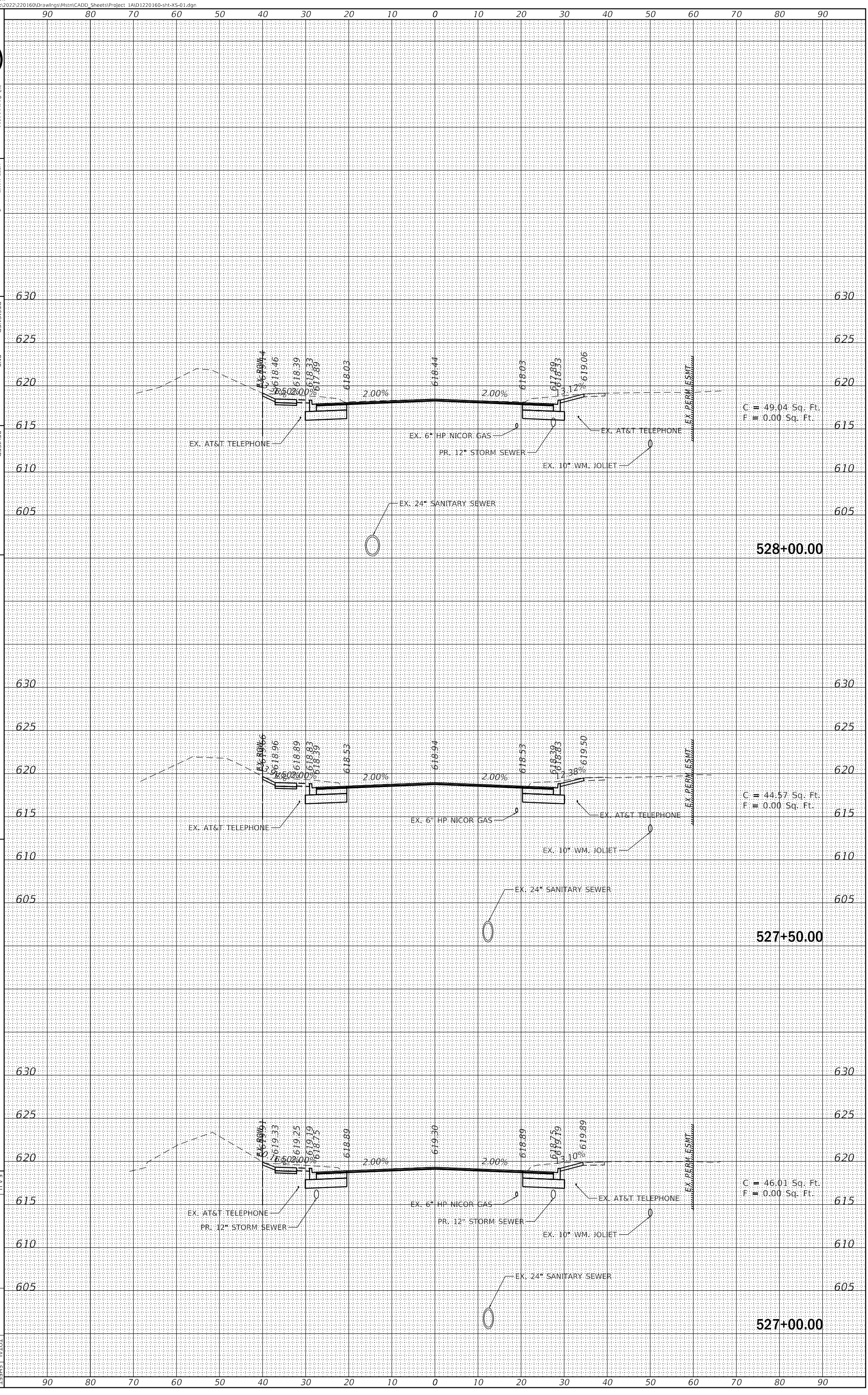
THEODORE STREET WIDEN AND RESURFACE

CROSS SECTIONS

SCALE: 1"=10'

SHEET 2 OF 15 SHEETS

STA. 527+00.00 TO STA. 528+00.00



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-00-WR	WILL	118	105

CONTRACT NO.

ILLINOIS FED. AID PROJECT

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630.724.9202 fax
www.v3co.com

USER NAME = cfigus
PLOT SCALE = 20'
PLOT DATE = 12/6/2023

	DESIGNED	-	BNP
	DRAWN	-	DRP
	CHECKED	-	KRC
	DATE	-	

REVISED	-
REVISED	-
REVISED	-
REVISED	-

JOLIET — ILLINOIS

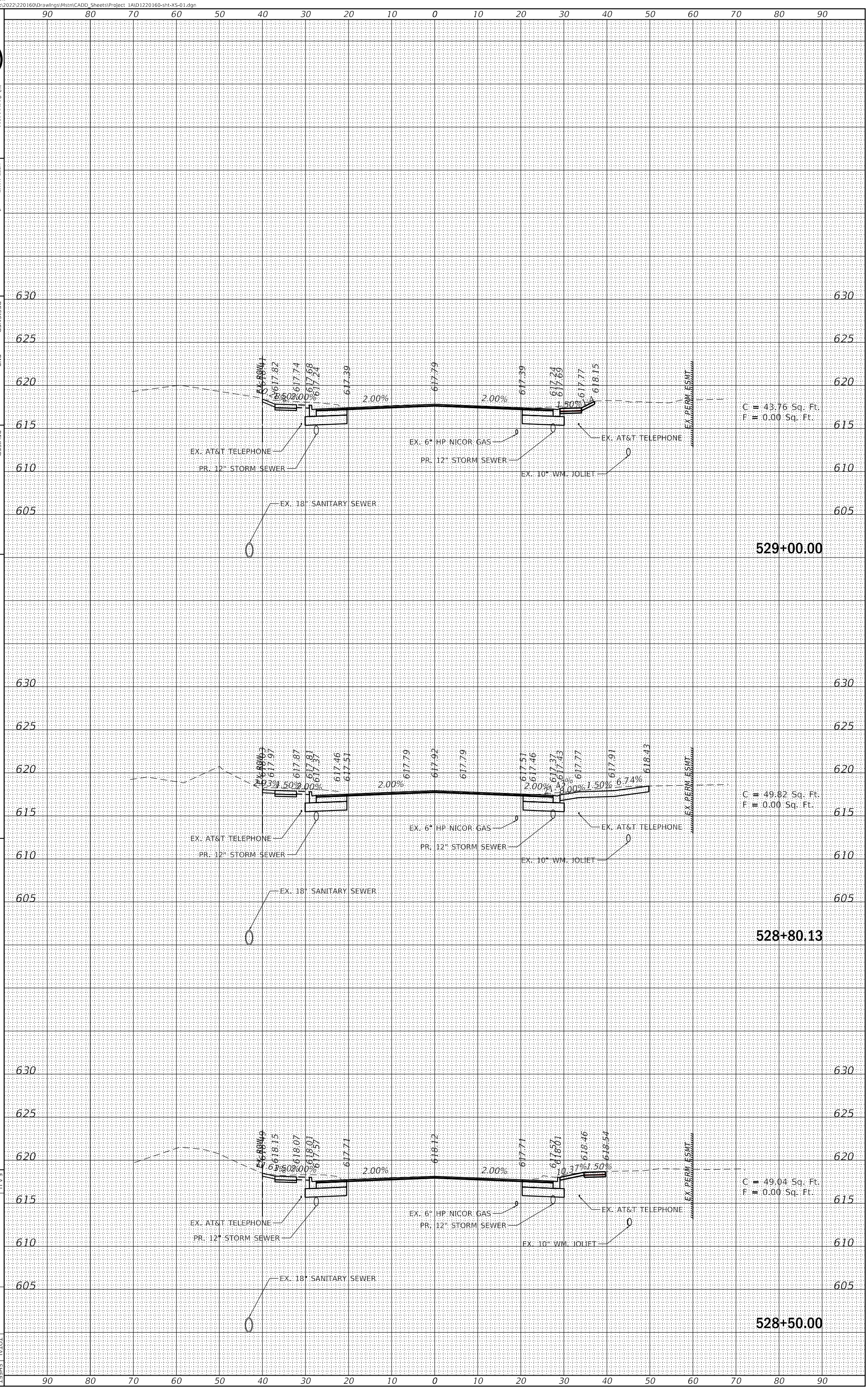
THEODORE STREET WIDEN AND RESURFACE

SCALE: 1"=10'

SHEET 3 OF 15 SHEETS

STA. 528+50.00 TO STA. 529+00.00

CROSS SECTIONS



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-00-WR	WILL	118	106

ILLINOIS FED. AID PROJECT

CONTRACT NO.

MODEL: Default
FILE NAME: E:\2022\220160\DrawIngs\Mstn\CADD_Sheets\ProJect 1A\D1220160-sht-XS-01.dgn

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = cfigus
PLOT SCALE = 20'
PLOT DATE = 12/6/2023

	DESIGNED	-	BNP
	DRAWN	-	DRP
	CHECKED	-	KRC
	DATE	-	

REVISED	-
REVISED	-
REVISED	-
REVISED	-

JOLIET — ILLINOIS

THEODORE STREET WIDEN AND RESURFACE

SCALE: 1"=10'

SHEET 4 OF 15 SHEETS STA. 529+50.00 TO STA. 530+50.00

CROSS SECTIONS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-00-WR	WILL	118	107

ILLINOIS FED. AID PROJECT

CONTRACT NO.

90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

630 625 620 615 610 605

EX. ROW
618.27 618.19 618.13 617.69 617.83 618.24 617.83 617.69 618.13 618.80
4.50% 2.00% 2.00% 2.00% 12.03%
EX. PERM. ESMT.
C = 45.22 Sq. Ft.
F = 0.00 Sq. Ft.
EX. AT&T TELEPHONE
PR. 12" STORM SEWER
EX. 6" HP NICOR GAS
EX. AT&T TELEPHONE
EX. 18" SANITARY SEWER

530+50.00

EX. ROW
617.96 617.89 617.83 617.39 617.53 617.94 617.53 617.39 618.56
4.50% 2.00% 2.00% 2.00% 2.00% 13.32%
EX. PERM. ESMT.
C = 47.06 Sq. Ft.
F = 0.00 Sq. Ft.
EX. AT&T TELEPHONE
PR. 4' MANHOLE
EX. 6" HP NICOR GAS
PR. TYPE A INLET
EX. AT&T TELEPHONE
EX. 18" SANITARY SEWER

530+00.00

EX. ROW
617.85 617.77 617.71 617.27 617.41 617.82 617.41 617.27 618.45
4.50% 2.00% 2.00% 2.00% 2.00% 13.30%
EX. PERM. ESMT.
C = 42.57 Sq. Ft.
F = 0.00 Sq. Ft.
EX. AT&T TELEPHONE
PR. 12" STORM SEWER
EX. 6" HP NICOR GAS
EX. AT&T TELEPHONE
EX. 18" SANITARY SEWER

529+50.00

MODEL: Default
FILE NAME: E:\2022\220160\Drawings\Mstn\CADD_Sheets\Project 1A\D1220160-sht-XS-01.dgn

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www.v3co.com

USER NAME = cfigus

PLOT SCALE = 20'

PLOT DATE = 12/6/2023

DESIGNED	-	BNP
DRAWN	-	DRP
CHECKED	-	KRC
DATE	-	

REVISED	-
REVISED	-
REVISED	-
REVISED	-

JOLIET

ILLINOIS

THEODORE STREET WIDEN AND RESURFACE

SCALE: 1"=10'

SHEET 5 OF 15 SHEETS

STA. 531+00.00

TO STA. 532+00.00

CROSS SECTIONS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-00-WR	WILL	118	108

ILLINOIS FED. AID PROJECT

CONTRACT NO.

SEE INTERSECTION GRADING PLANS FOR MORE INFORMATION

PR. 15" STORM SEWER
EX. AT&T TELEPHONE
EX. 6" HP NICOR GAS
EX. AT&T TELEPHONE
PR. 12" STORM SEWER
C = 0.00 Sq. Ft.
F = 0.00 Sq. Ft.
EX. 18" SANITARY SEWER
532+00.00
618.13
617.97
618.11
618.52
0.00'
618.12
617.97
618.41
2.00%
2.00%
EX. PERM. ESMT.
EX. AT&T TELEPHONE
EX. 6" HP NICOR GAS
EX. AT&T TELEPHONE
C = 46.98 Sq.
F = 0.00 Sq. F
EX. 18" SANITARY SEWER
531+50.00
618.48
618.41
618.35
617.91
618.05
618.46
618.05
617.91
618.35
618.96
2.00%
2.00%
10.99%
EX. PERM. ESMT.
EX. AT&T TELEPHONE
EX. 6" HP NICOR GAS
EX. AT&T TELEPHONE
C = 41.84
F = 0.00 Sq
EX. 18" SANITARY SEWER
531+00.00

MODEL: Default
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USER NAME = cfigus

PLOT SCALE = 20'

PLOT DATE = 12/6/2023

DESIGNED	-	BNP
DRAWN	-	DRP
CHECKED	-	KRC
DATE	-	

REVISED	-
REVISED	-
REVISED	-
REVISED	-

JOLIET

THEODORE STREET WIDEN AND RESURFACE

ILLINOIS

SCALE: 1"=10'

SHEET 6 OF 15 SHEETS STA. 532+08.55 TO STA. 533+00.00

CROSS SECTIONS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-00-WR	WILL	118	109

ILLINOIS FED. AID PROJECT

CONTRACT NO.

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USER NAME = cfigus
PLOT SCALE = 20'
PLOT DATE = 12/6/2023

DESIGNED - BNP
DRAWN - DRP
CHECKED - KRC
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

JOLIET ILLINOIS

THEODORE STREET WIDEN AND RESURFACE

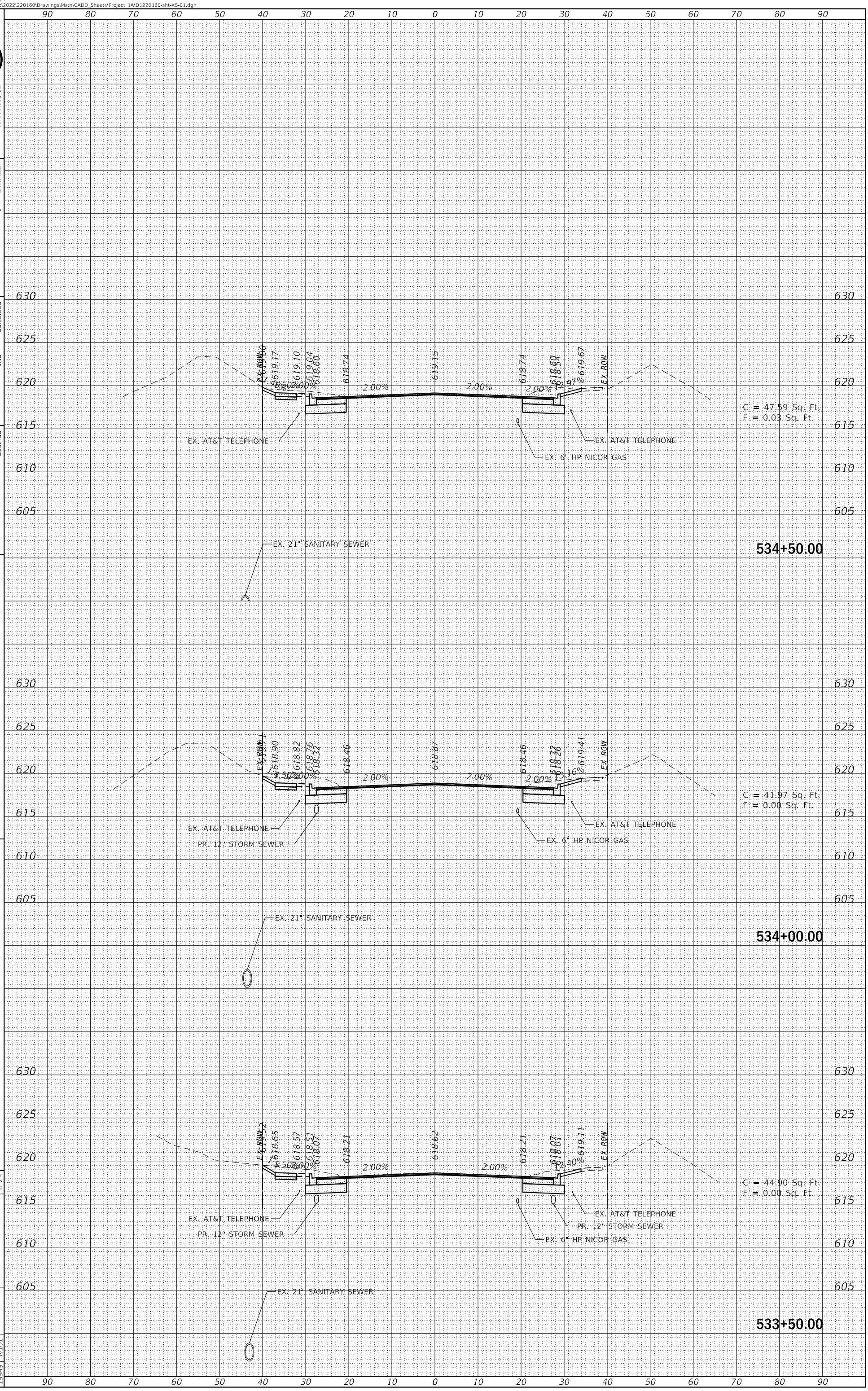
SCALE: 1"=10'

SHEET 7 OF 15 SHEETS STA. 533+50.00 TO STA. 534+50.00

CROSS SECTIONS

F.A.U. RTE. 400
SECTION 18-00515-00-WR
COUNTY WILL
TOTAL SHEETS 118
SHEET NO. 110

ILLINOIS FED. AID PROJECT
CONTRACT NO.



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630.724.9202 fax
www.v3co.com

USER NAME = cfigus
PLOT SCALE = 20'
PLOT DATE = 12/6/2023

DESIGNED	-	BNP
DRAWN	-	DRP
CHECKED	-	KRC
DATE	-	

REVISED	-	
REVISED	-	
REVISED	-	

JOLIET — ILLINOIS

THEODORE STREET WIDEN AND RESURFACE

SCALE: 1"=10'

SHEET 8 OF 15 SHEETS STA. 535+00.00 TO STA. 536+00.00

CROSS SECTIONS

536+00.00

EX. 21" SANITARY SEWER
EX. ROW
619.17
619.09
619.03
618.59
618.73
619.14
0.00'
618.74
618.59
619.03
EX. ROW
1.50%
2.00%
2.00%
2.00%
2.00%
C = 45.08 Sq. Ft.
F = 0.00 Sq. Ft.
EX. AT&T TELEPHONE
EX. AT&T TELEPHONE
EX. 6" HP NICOR GAS

535+50.00

EX. 21" SANITARY SEWER
EX. ROW
619.29
619.21
619.15
618.71
618.85
619.26
618.86
618.71
619.15
619.78
EX. ROW
1.50%
2.00%
2.00%
2.00%
3.39%
C = 49.01 Sq. Ft.
F = 0.00 Sq. Ft.
EX. AT&T TELEPHONE
EX. AT&T TELEPHONE
EX. 6" HP NICOR GAS

535+00.00

EX. 21" SANITARY SEWER

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-00-WR	WILL	118	111

ILLINOIS FED. AID PROJECT

CONTRACT NO.

MODEL: Default
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V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = cfigus
PLOT SCALE = 20'
PLOT DATE = 12/6/2023

	DESIGNED	DRAWN	CHECKED
-	BNP	DRP	KRC
REVISED -	REVISED -	REVISED -	REVISED -

JOLIET — ILLINOIS

THEODORE STREET WIDEN AND RESURFACE

SCALE: 1"=10'

SHEET 9 OF 15 SHEETS STA. 536+50.00 TO STA. 537+50.00

CROSS SECTIONS

537+50.00

EX. 21" SANITARY SEWER
EX. AT&T TELEPHONE
EX. 6" HP NICOR GAS
EX. ROW
619.07 619.00 618.94 618.50 618.63 619.05 0.00' 618.57 618.50 618.94 619.29
4.50% 2.00% 2.00% 2.00% 2.00% 9.17%
C = 28.86 Sq. Ft.
F = 0.00 Sq. Ft.

537+00.00

EX. 21" SANITARY SEWER
PR. 12" STORM SEWER
EX. AT&T TELEPHONE
EX. 6" HP NICOR GAS
EX. ROW
618.89 618.82 618.76 618.32 618.46 618.87 0.00' 618.42 618.32 618.76 619.27
1.50% 2.00% 2.00% 2.00% 2.00% 13.44%
C = 31.55 Sq. Ft.
F = 0.00 Sq. Ft.

536+50.00

EX. 21" SANITARY SEWER
EX. AT&T TELEPHONE
EX. 6" HP NICOR GAS
EX. ROW
618.83 618.76 618.70 618.26 618.39 618.81 0.00' 618.38 618.26 618.70 619.43
1.50% 2.00% 2.00% 2.00% 2.00% 15.17%
C = 35.62 Sq. Ft.
F = 0.00 Sq. Ft.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-00-WR	WILL	118	112

ILLINOIS FED. AID PROJECT

CONTRACT NO.

MODEL: Default
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V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = cfigus
PLOT SCALE = 20'
PLOT DATE = 12/6/2023

DESIGNED - BNP
DRAWN - DRP
CHECKED - KRC
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

JOLIET

THEODORE STREET WIDEN AND RESURFACE

ILLINOIS

SCALE: 1"=10'

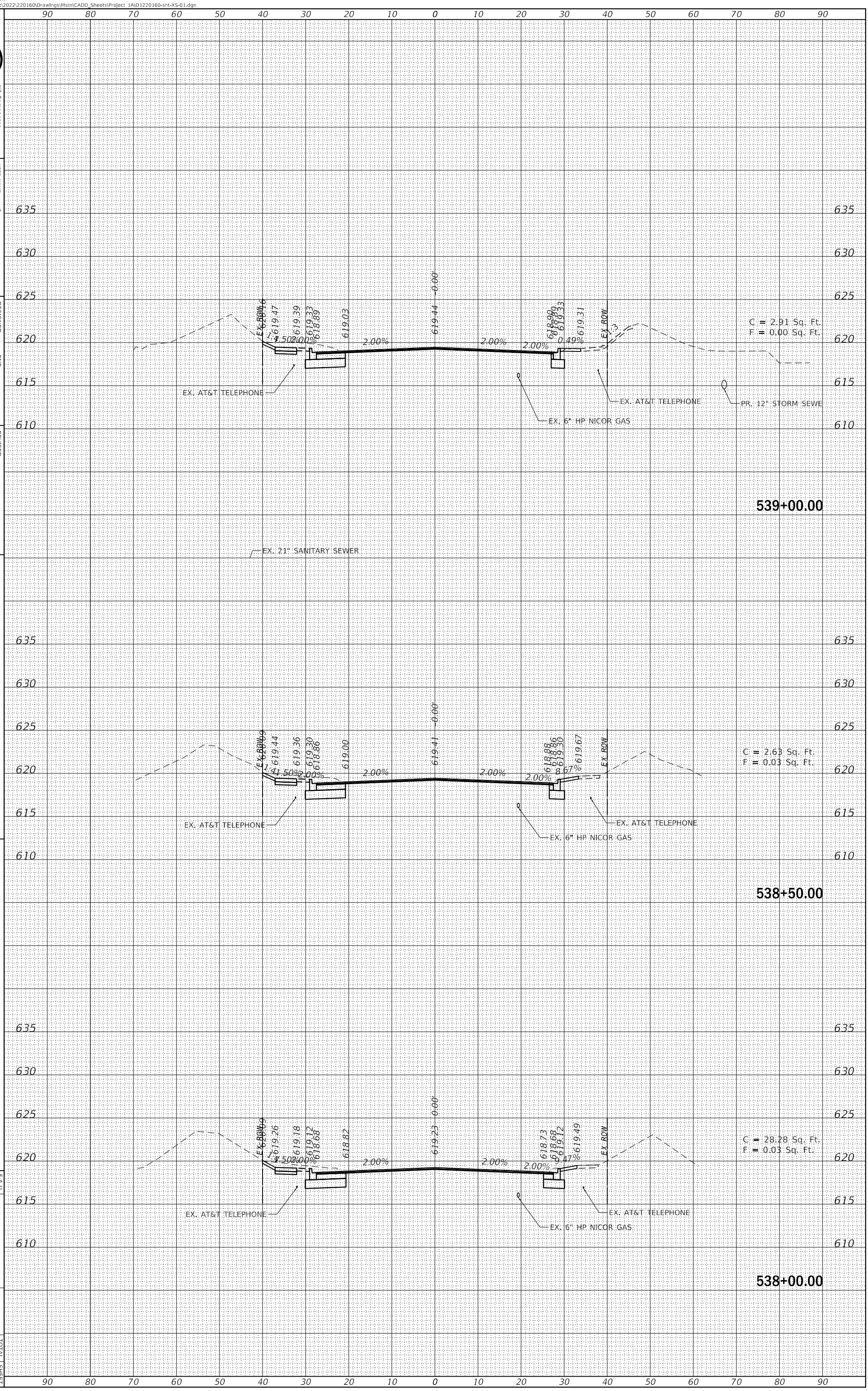
SHEET 10 OF 15 SHEETS STA. 538+00.00 TO STA. 539+00.00

CROSS SECTIONS

F.A.U. RTE. 400
SECTION 18-00515-00-WR
COUNTY WILL
TOTAL SHEETS 118
SHEET NO. 113

ILLINOIS FED. AID PROJECT

CONTRACT NO.



MODEL: Default
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V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = cfigus
PLOT SCALE = 20'
PLOT DATE = 12/6/2023

DESIGNED - BNP
DRAWN - DRP
CHECKED - KRC
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

JOLIET
ILLINOIS

THEODORE STREET WIDEN AND RESURFACE

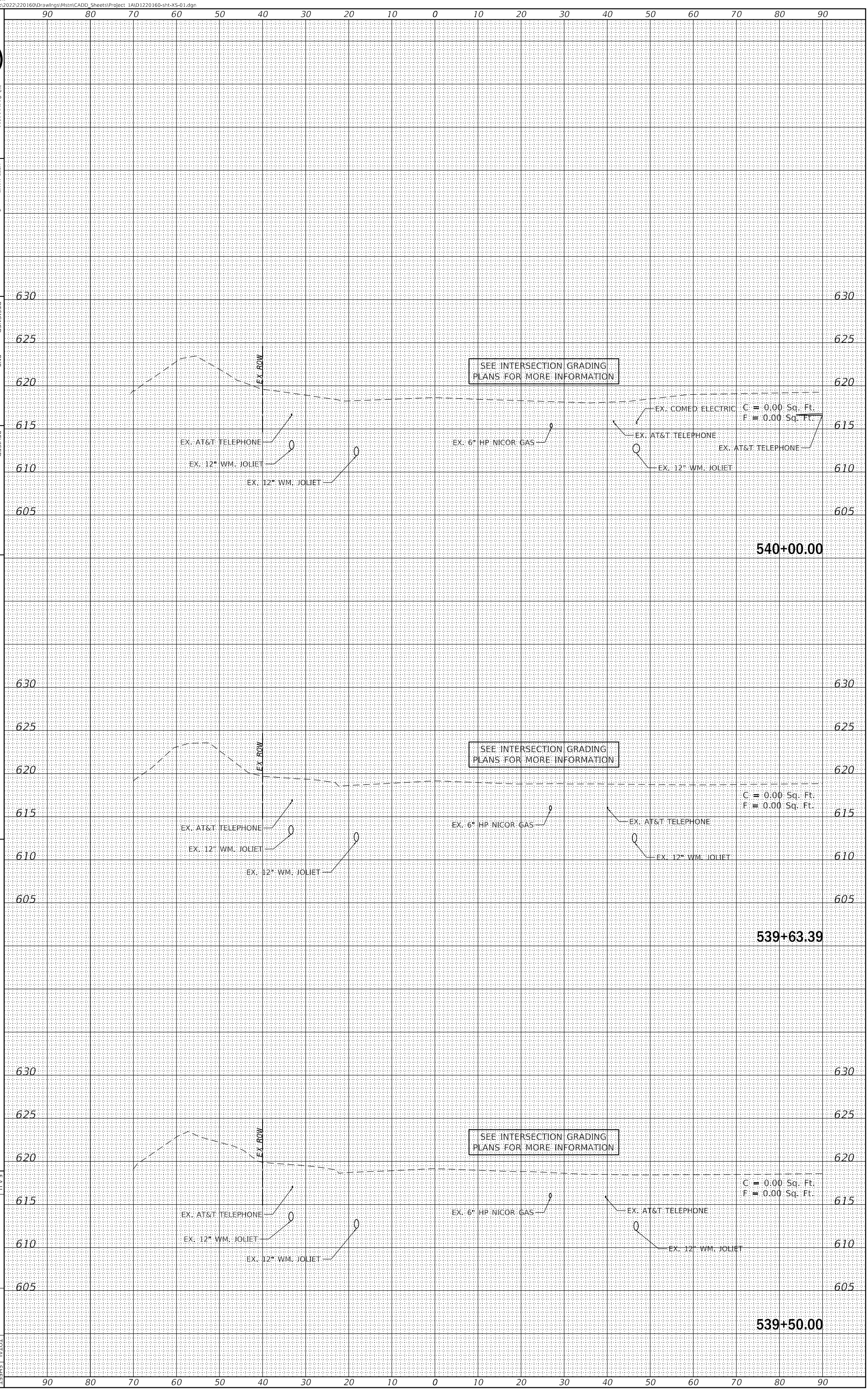
SCALE: 1"=10'

SHEET 11 OF 15 SHEETS STA. 539+50.00 TO STA. 540+00.00

CROSS SECTIONS

F.A.U. RTE. 400
SECTION 18-00515-00-WR
COUNTY WILL
TOTAL SHEETS 118
SHEET NO. 114

ILLINOIS FED. AID PROJECT
CONTRACT NO.



MODEL: Default
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V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = cfigus
PLOT SCALE = 20'
PLOT DATE = 12/6/2023

DESIGNED	-	BNP
DRAWN	-	DRP
CHECKED	-	KRC
DATE	-	

REVISED	-
REVISED	-
REVISED	-
REVISED	-

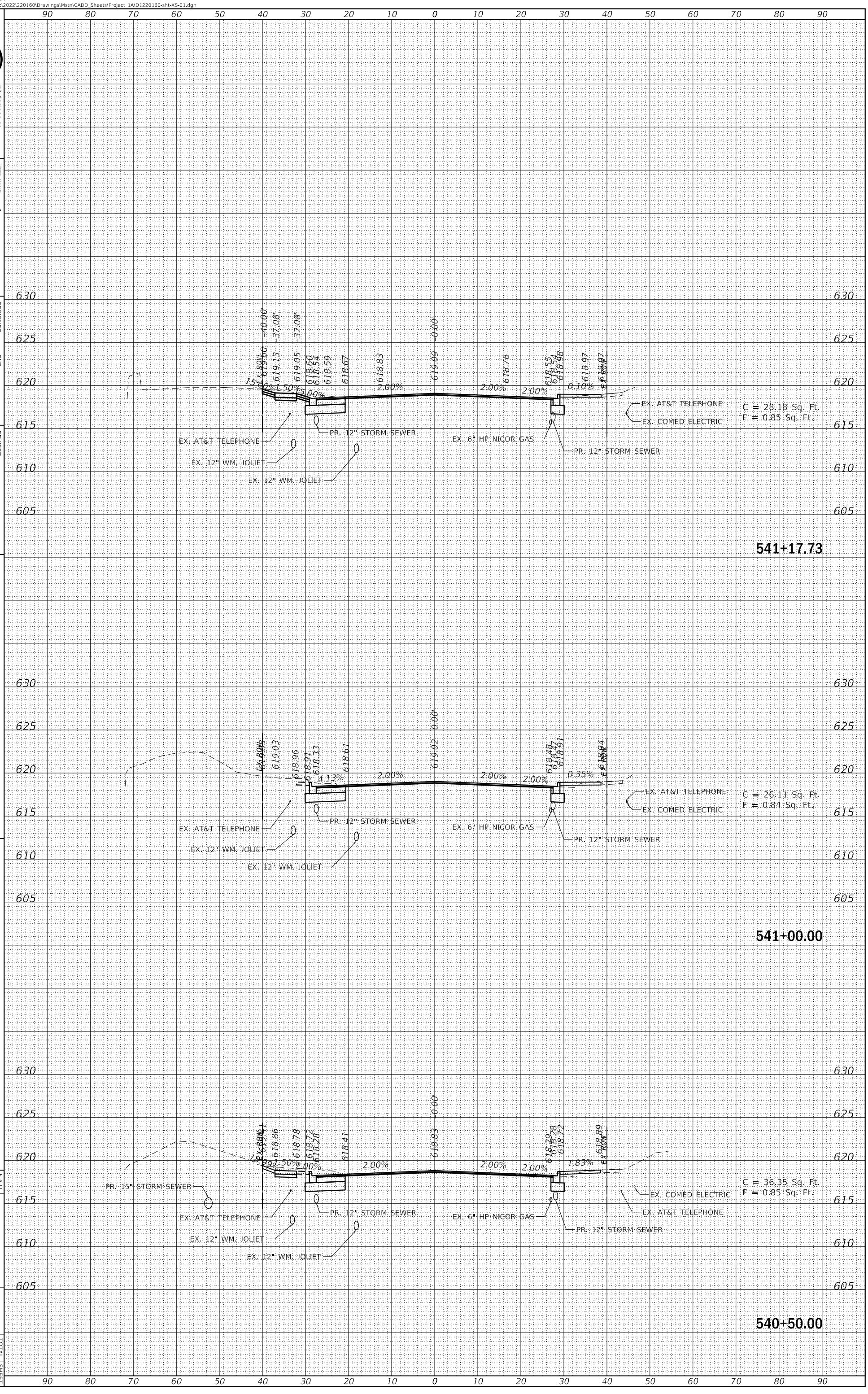
JOLIET
ILLINOIS

THEODORE STREET WIDEN AND RESURFACE

SCALE: 1"=10'

SHEET 12 OF 15 SHEETS STA. 540+50.00 TO STA. 541+17.73

CROSS SECTIONS



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-00-WR	WILL	118	115

ILLINOIS FED. AID PROJECT

CONTRACT NO.

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V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

USER NAME = cfigus
PLOT SCALE = 20'
PLOT DATE = 12/6/2023

DESIGNED	-	BNP
DRAWN	-	DRP
CHECKED	-	KRC
DATE	-	

REVISED	-
REVISED	-
REVISED	-
REVISED	-

JOLIET

THEODORE STREET WIDEN AND RESURFACE

ILLINOIS

SCALE: 1"=10'

SHEET 13 OF 15 SHEETS STA. 541+50.00 TO STA. 542+50.00

CROSS SECTIONS

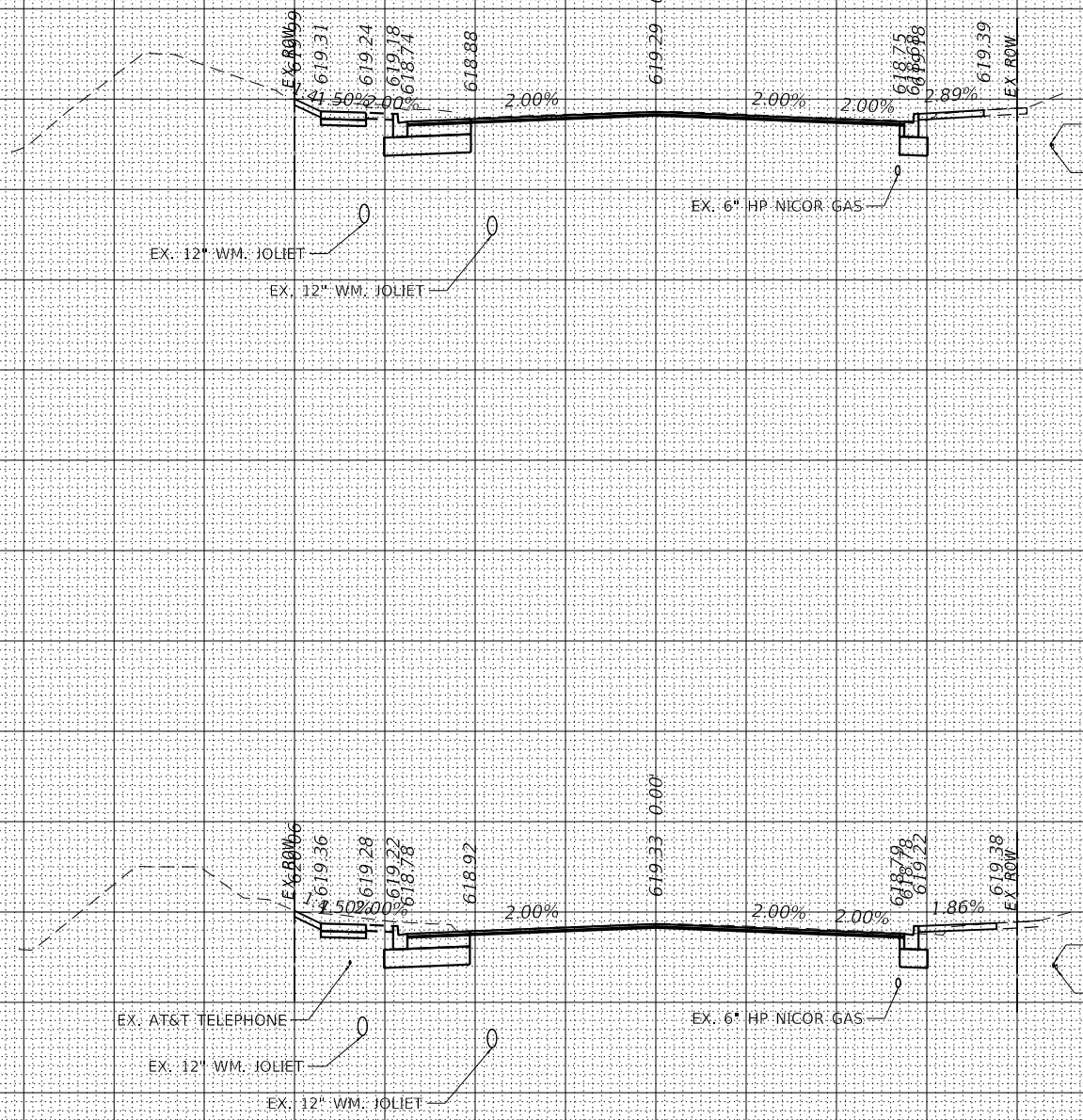
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-00-WR	WILL	118	116

ILLINOIS FED. AID PROJECT

CONTRACT NO.

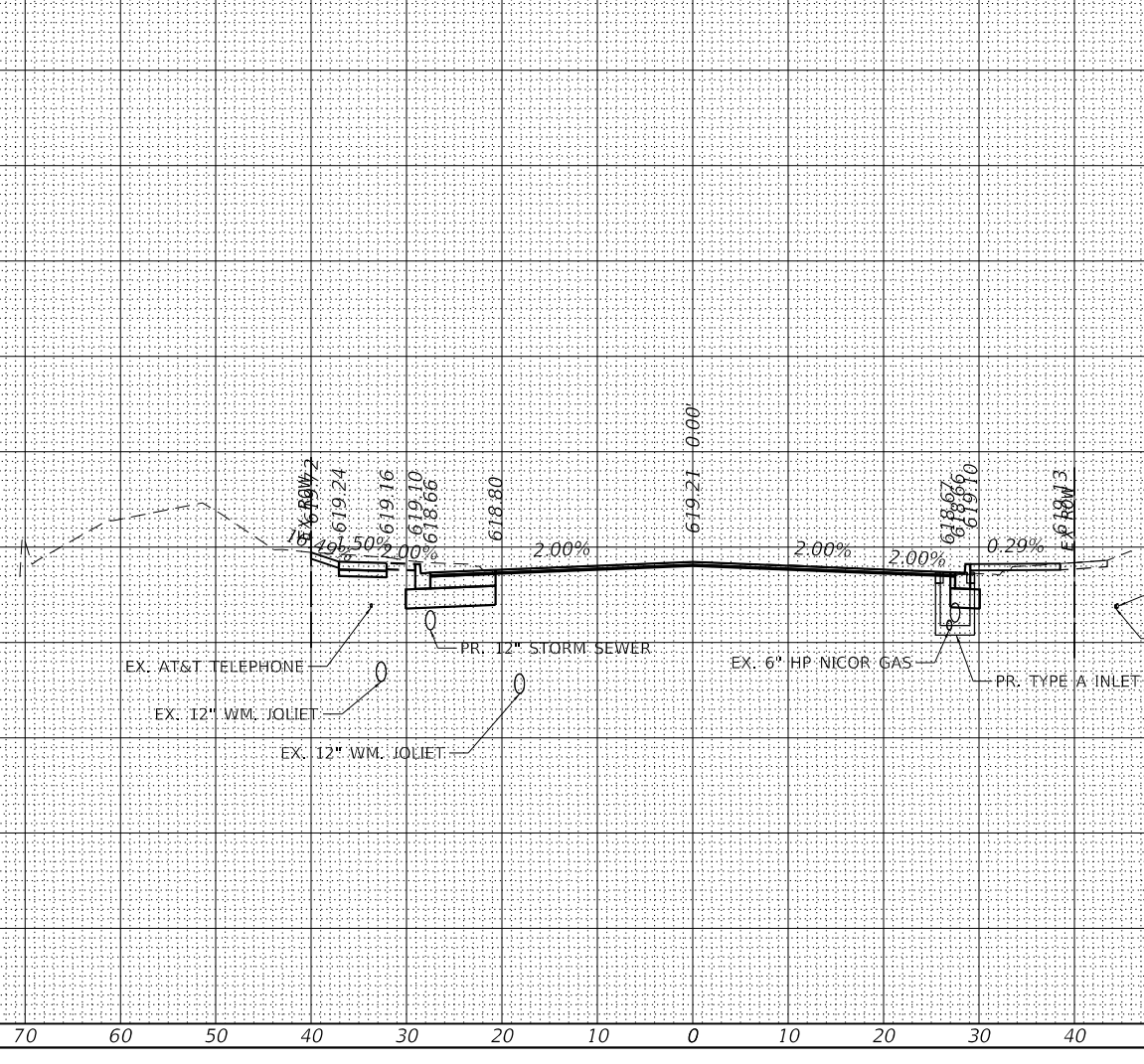
90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

630 625 620 615 610 605



542+50.00

542+00.00



541+50.00

MODEL: Default
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www.v3co.com

USER NAME = cfigus
PLOT SCALE = 20'
PLOT DATE = 12/6/2023

DESIGNED - BNP
DRAWN - DRP
CHECKED - KRC
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

JOLIET
ILLINOIS

THEODORE STREET WIDEN AND RESURFACE

SCALE: 1"=10'

SHEET 14 OF 15 SHEETS STA. 543+00.00 TO STA. 544+00.00

CROSS SECTIONS

544+00.00

EX. ROW
619.04
618.97
618.91
618.47
618.61
619.02
618.52
618.41
619.30
EX. ROW
2.00%
2.00%
2.00%
6.35%
EX. COMED ELECTRIC
EX. AT&T TELEPHONE
C = 3.89 Sq. Ft.
F = 0.00 Sq. Ft.
PR. 12" STORM SEWER
EX. 6" HP NICOR GAS
PR. 12" STORM SEWER
EX. 12" WM. JOLIET
EX. 12" WM. JOLIET

543+50.00

EX. ROW
618.93
618.85
618.79
618.35
618.49
618.90
0.00'
618.38
618.33
618.79
619.14
EX. ROW
4.50%
2.00%
2.00%
2.00%
2.00%
6.35%
EX. COMED ELECTRIC
EX. AT&T TELEPHONE
C = 30.87 Sq. Ft.
F = 0.00 Sq. Ft.
EX. 6" HP NICOR GAS
PR. 12" STORM SEWER
EX. 12" WM. JOLIET
EX. 12" WM. JOLIET

543+00.00

EX. ROW
619.13
619.06
619.00
618.56
618.70
619.11
0.00'
618.57
618.56
618.50
619.32
EX. ROW
4.50%
2.00%
2.00%
2.00%
2.00%
5.75%
EX. COMED ELECTRIC
EX. AT&T TELEPHONE
C = 37.25 Sq. Ft.
F = 0.00 Sq. Ft.
EX. 6" HP NICOR GAS
EX. 12" WM. JOLIET
EX. 12" WM. JOLIET

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-00-WR	WILL	118	117

ILLINOIS FED. AID PROJECT

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USER NAME = cfigus

PLOT SCALE = 20'

PLOT DATE = 12/6/2023

DESIGNED	-	BNP
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CHECKED	-	KRC
DATE	-	

REVISED	-
REVISED	-
REVISED	-
REVISED	-

JOLIET

THEODORE STREET WIDEN AND RESURFACE

ILLINOIS

SCALE: 1"=10'

SHEET 15 OF 15 SHEETS STA. 544+50.00 TO STA. 544+50.00

CROSS SECTIONS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
400	18-00515-00-WR	WILL	118	118

ILLINOIS FED. AID PROJECT

CONTRACT NO.

