

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

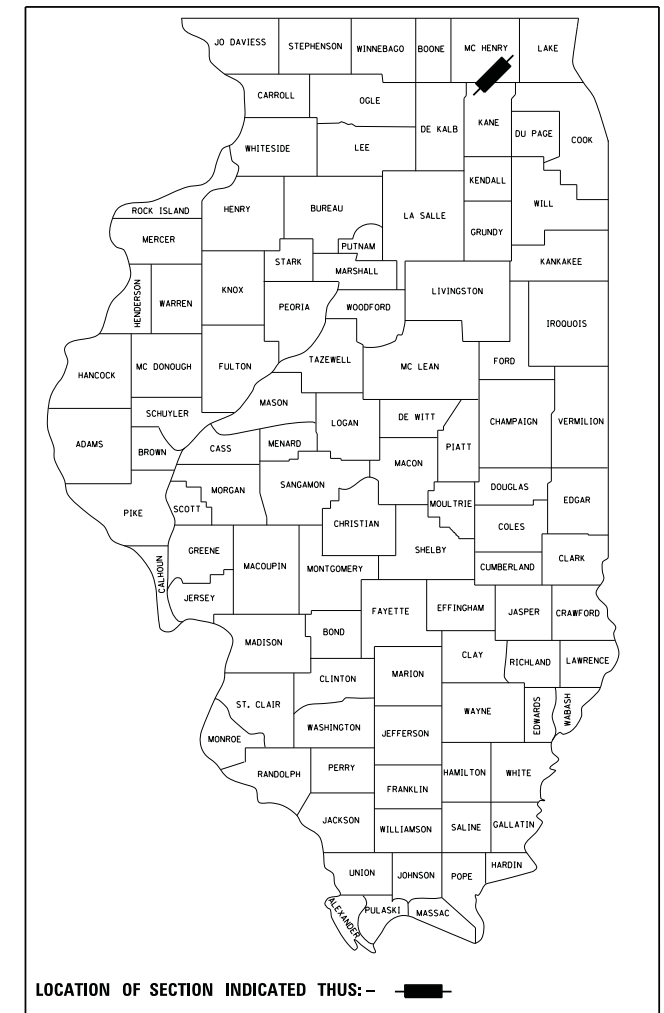
MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4560/0145	16-00090-02-PV	MCHENRY	182	1
		ILLINOIS	CONTRACT NO.	61G60

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR STATE STANDARDS, SEE SHEET NO. 2

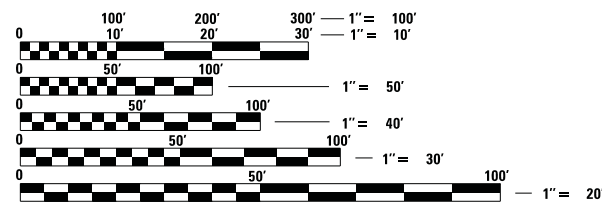
PLANS FOR PROPOSED FEDERAL AID HIGHWAY

MUN 4560 (MAIN STREET) / MUN 0145 (HARRISON STREET)
PRAIRIE TRAIL TO IL 31
PROTECTED BIKE LANES
SECTION 16-00090-02-PV
PROJECT I3LE(630)
VILLAGE OF ALGONQUIN
McHENRY COUNTY



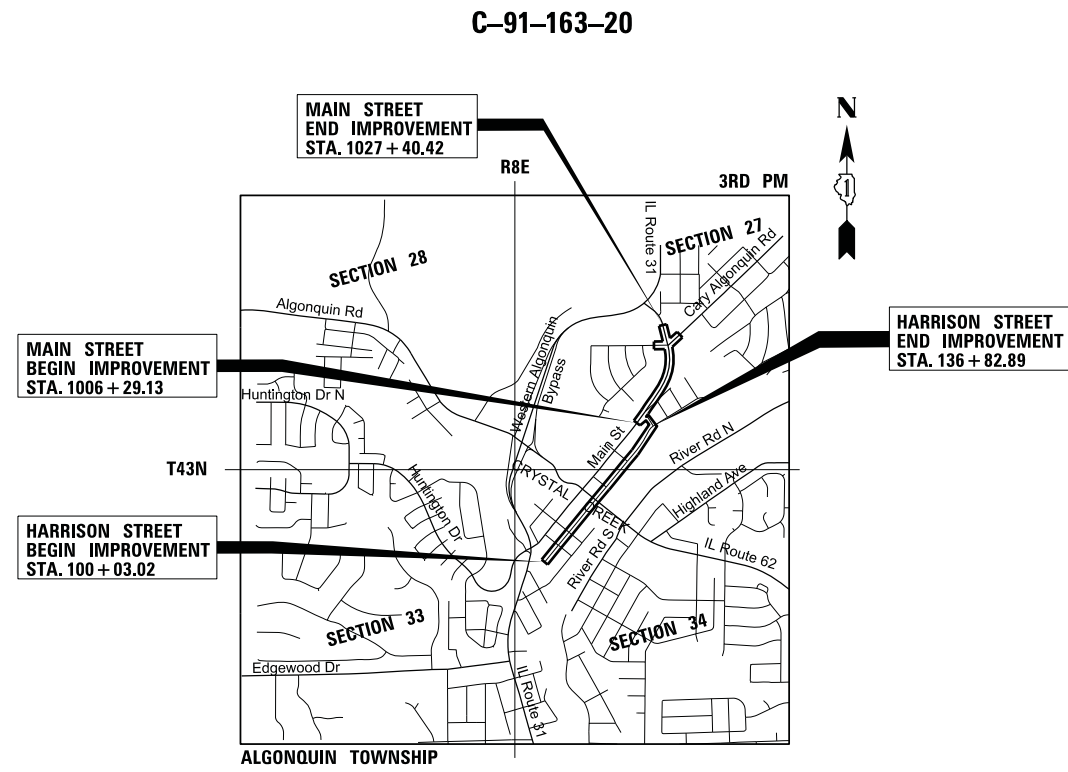
TRAFFIC DATA (MAIN ST):
2008 ADT = 7,300 VEHICLES
2040 ADT = 10,000 VEHICLES
POSTED SPEED LIMIT = 25 MPH
FUNCTIONAL CLASSIFICATION = MAJOR COLLECTOR

TRAFFIC DATA (HARRISON ST):
2016 ADT = 4,000 VEHICLES
2040 ADT = 4,000 VEHICLES
POSTED SPEED LIMIT = 25 MPH
FUNCTIONAL CLASSIFICATION = LOCAL ROAD



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



LOCATION MAP
SCALE - 1" = 2,000'
GROSS LENGTH = 7,128 FT. = 1.35 MILE
NET LENGTH = 7,128 FT. = 1.35 MILE

MARTIN C. WORMAN
ILLINOIS REGISTRATION No. 062-051360
EXPIRATION DATE: 11/30/2021
10/12/2020
ENGINEER DATE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
APPROVED: *[Signature]*
ROBERT G. MITCHARD II
VILLAGE OF ALGONQUIN DIRECTOR OF PUBLIC WORKS
PASSED: *[Signature]*
NOV. 5, 2020
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS
RELEASED FOR BID
BASED ON LIMITED
REVIEW
[Signature]
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

FEDERAL AID ENGINEER: CARMEN E. RAMOS, P.E., SCHAMBURG, IL

GENERAL NOTES

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS & GENERAL NOTES
3 TO 9	SUMMARY OF QUANTITIES
10 TO 12	SCHEDULES OF QUANTITIES
13 TO 16	TYPICAL SECTIONS
17 TO 18	ALIGNMENT, TIES & BENCHMARKS
19 TO 26	EXISTING CONDITIONS AND REMOVAL PLAN
27 TO 40	ROADWAY PLAN AND PROFILE
41 TO 44	DETOUR PLANS
45 TO 48	MAINTENANCE OF TRAFFIC PLANS
49 TO 56	EROSION CONTROL PLANS
57 TO 66	DRAINAGE PLAN AND PROFILE
67 TO 69	WATER MAIN PLAN AND PROFILE
70 TO 77	PAVEMENT MARKING AND LANDSCAPING PLAN
78 TO 79	PLANTING PLAN
80 TO 91	TRAFFIC SIGNAL PLANS
92 TO 106	LIGHTING PLANS
107 TO 109	RETAINING WALL DETAILS
110 TO 115	ADA RAMP DETAILS
116 TO 121	ROUNDOABOUT GRADING DETAILS
122 TO 126	BRICK LAYOUT PLAN
127 TO 133	PROJECT DETAILS
134 TO 135	VILLAGE DETAILS
136 TO 144	DISTRICT 1 DETAILS
145 TO 182	CROSS SECTIONS

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
420001-09	PAVEMENT JOINTS
420101-06	24' JOINTED PCC PAVEMENT
420111-04	PCC PAVEMENT ROUNDOUTS
442201-03	CLASS C AND D PATCHES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
601001-05	PIPE UNDERDRAINS
602001-02	CATCH BASIN TYPE A
602011-02	CATCH BASIN TYPE C
602401-07	PRECAST MANHOLE TYPE A 4' DIAMETER
602402-03	PRECAST MANHOLE TYPE A 5' DIAMETER
602406-11	PRECAST MANHOLE TYPE A 6' DIAMETER
602501-06	PRECAST VALVE VAULT TYPE A 4' DIAMETER
604001-05	FRAME AND LIDS TYPE 1
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURRB AND GUTTER
606301-04	PC CONCRETE ILSANDS AND MEDIANS 701006-05 OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-ROAD OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS >= 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS < 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS

DISTRICT 1 STANDARDS

BD-7	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER
BD-8	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-32	BUTT JOINT AND HMA TAPER DETAILS
BD-51	BENCHING DETAIL FOR EMBANKMENT WIDENING
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
TC-22	ARTERIAL ROAD INFORMATION SIGN

SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED APRIL 1, 2016; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2021; THE LATEST EDITIONS OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (IMUTCD) AND "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS"; THE "DETAILS" IN THE PLANS; AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.

2. ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST IDOT STANDARD.

3. ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 700 OF THE STANDARD SPECIFICATIONS.

UTILITIES

4. THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM AND SANITARY SEWERS, WATER SERVICE LINES AND OTHER UTILITY LINES ARE APPROXIMATE, AND THE VILLAGE AND ENGINEER DO NOT GUARANTEE THEIR ACCURACY.

5. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 8-1-1 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS AND CABLE TELEVISION FACILITIES (48 HOURS NOTIFICATIONS IS REQUIRED). THE CONTRACTOR SHALL CONTACT IDOT'S BUREAU OF MATERIALS (PHONE 847-705-4337) AT LEAST 24 HOURS BEFORE PLACING HOT MIX ASPHALT OR PORTLAND CEMENT CONCRETE.

MAINTENANCE OF TRAFFIC

6. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

MISCELLANEOUS

7. DIMENSIONS: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.

8. ALL SAWCUTTING SHALL BE PERFORMED PRIOR TO BEGINNING REMOVAL.

9. LOCATIONS FOR PAVEMENT PATCHING WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

10. WHEN REMOVING PAVEMENT, CURB AND GUTTER, SHOULDER, AND/OR OTHER STRUCTURES, THE USE OF ANY TYPE OF CONCRETE BREAKERS, WHICH MIGHT DAMAGE UNDERGROUND PUBLIC OR PRIVATE UTILITIES, WILL NOT BE PERMITTED. UNDER NO CIRCUMSTANCES WILL THE USE OF A FROST BALL BE PERMITTED. THE CONTRACTOR IS PROHIBITED FROM BREAKING UP CONCRETE BY DROPPING IT ON THE PAVEMENT OR IN ANY OTHER MANNER, WHICH IN THE OPINION OF THE ENGINEER MAY DAMAGE EXISTING OR PROPOSED PAVEMENTS OR OTHER ROADWAY APPURTENANCES.

11. NO CONSTRUCTION SHALL BEGIN UNTIL ALL PROPER TEMPORARY SIGNS AND BARRICADES HAVE BEEN INSTALLED.

12. THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL TO AVOID INJURY TO THE ROOT SYSTEM OR TRUNKS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR.

13. THE CONTRACTOR WILL BE REQUIRED TO RELOCATE OR REMOVE AND REPLACE SIGNS WHICH INTERFERE WITH CONSTRUCTION OPERATIONS, AND TO TEMPORARILY RESET ALL SUCH SIGNS DURING CONSTRUCTION OPERATIONS. IF EXISTING SIGNS ARE DAMAGED DURING THE REMOVAL AND REPLACEMENT PROCESS, THE SIGN SHALL BE REPLACED.

14. DURING THE CONSTRUCTION OPERATIONS WHEN ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR DRAINAGE

STRUCTURES SO THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS ALL DRAINAGE STRUCTURES SHALL BE FREE FROM ALL DIRT AND DEBRIS CAUSED BY THE CONSTRUCTION.

15. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.

16. AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGE WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

17. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER.

18. TRENCH BACKFILL SHALL BE USED TO BACKFILL ALL TRENCHES WHERE THE EDGE OF THE TRENCH IS WITHIN 5 FEET OF THE PROPOSED EDGE OF PAVEMENT, CURB, CURB AND GUTTER OR SIDEWALK (BIKE PATH). BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b, c) OF THE SSRBC WILL NOT BE ALLOWED.

19. PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.

20. PROPOSED DRAINAGE STRUCTURES IN THE CURB LINE SHALL BE CONSTRUCTED WITH THE CONE OR FLAT TOP SLAB ORIENTED SO THE DRAINAGE STRUCTURE IS ROTATED FROM UNDER THE PAVEMENT.

21. THE CONTRACTOR SHALL SCHEDULE A WALK-THROUGH WITH VILLAGE PUBLIC WORKS STAFF AT (847) 658-2700 FOR TREE REMOVAL, TREE TRUNK PROTECTION, TREE ROOT PRUNING BEFORE CONSTRUCTION COMMENCEMENT. PLEASE PROVIDE AT LEAST 72-HOUR NOTICE TO VILLAGE PRIOR TO THE DESIRED WALK-THROUGH APPOINTMENT SESSION ON SITE.

22. THE CONTRACTOR SHALL PROVIDE A 5'-0" DIAMETER MINIMUM MULCH RING AROUND EACH EXISTING TREE TO REMAIN WITHIN THE PUBLIC RIGHT-OF-WAY.

23. THOSE SEEKING THE FULL GEOTECHNICAL REPORT OR PRELIMINARY SITE INVESTIGATION SHOULD CONTACT THE OWNER OF RECORD. TO MAKE ARRANGEMENTS FOR ACCESS TO THIS INFORMATION PLEASE CONTACT:

MR. ROBERT MITCHARD, DIRECTOR OF PUBLIC WORKS
VILLAGE OF ALGONQUIN
(847) 658-2700

FILE NAME =	USER NAME = mnorman	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1D HARRISON STREET AND MAIN STREET INDEX OF SHEETS, HIGHWAY STANDARDS & GENERAL NOTES		MUN. RTE. 4560/0145	SECTION 16-00090-02-PV	COUNTY MCHENRY	TOTAL SHEETS 182	SHEET NO. 2	
N:\ALGONQUIN\070273\070273.00132\Civil\132\070273.132.SHT		DRAWN -	REVISED -		SCALE: *SCALE*	SHEET OF SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT					
Default		CHECKED -	REVISED -									
		DATE -	REVISED -									

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ITEP	STP
Δ 20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	506	319	187
Δ 20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	182	130	52
Δ 20101000	TEMPORARY FENCE	FOOT	960		960
Δ 20101200	TREE ROOT PRUNING	EACH	40		40
Δ 20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	21		21
Δ 20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	19		19
20200100	EARTH EXCAVATION	CU YD	9016	88	8928
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	3847	2501	1346
20400800	FURNISHED EXCAVATION	CU YD	264	205	59
20800150	TRENCH BACKFILL	CU YD	1195	155	1040
20900110	POROUS GRANULAR BACKFILL	CU YD	2.5		2.5
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	4209	4209	0
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	9908	3198	6710
Δ 25000210	SEEDING, CLASS 2A	ACRE	1.75	0.5	1.25
Δ 25000300	SEEDING, CLASS 3	ACRE	0.5	0.25	0.25
Δ 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	162	45	117

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ITEP	STP
Δ 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	162	45	117
Δ 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	162	45	117
Δ 25100630	EROSION CONTROL BLANKET	SQ YD	8781	2426	6355
Δ 25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	1452	968	484
Δ 25200200	SUPPLEMENTAL WATERING	UNIT	15	5	10
Δ 28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	210	70	140
Δ 28000305	TEMPORARY DITCH CHECKS	FOOT	15		15
Δ 28000400	PERIMETER EROSION BARRIER	FOOT	2390	257	2133
Δ 28000510	INLET FILTERS	EACH	77	26	51
Δ 28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	8781	2426	6355
Δ 28001200	TEMPORARY HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	837	678	159
28100109	STONE RIPRAP, CLASS A5	SQ YD	40		40
28200200	FILTER FABRIC	SQ YD	56		56
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	4209	4209	
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	16250	6161	10089
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	3679	1432	2247

Δ SPECIALTY ITEM

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ITEP	STP
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	5031	2479	2552
35102200	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	526		526
Δ 40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	7315	1780	5535
Δ 40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	11900	5302	6598
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	3	2	1
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	69	69	
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	4556	681	3875
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	1123	424	699
42000500	PORTLAND CEMENT CONCRETE PAVEMENT 10"	SQ YD	3566	3566	
42001300	PROTECTIVE COAT	SQ YD	4707	2098	2609
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	139	100	39
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	158	83	75
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	29898	12013	17885
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	878	454	424
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	2167	2004	163
44000100	PAVEMENT REMOVAL	SQ YD	20579	8267	12312

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ITEP	STP
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	2627	2310	317
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1394	751	643
44000300	CURB REMOVAL	FOOT	335	141	194
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	9826	5001	4825
44000600	SIDEWALK REMOVAL	SQ FT	7805	7216	589
44201713	CLASS D PATCHES, TYPE I, 6 INCH	SQ YD	70	60	10
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	60	60	
44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	60	60	
44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	60	60	
Δ 50200100	STRUCTURE EXCAVATION	CU YD	3750	3750	-
Δ 50300225	CONCRETE STRUCTURES	CU YD	3		3
Δ 50800105	REINFORCEMENT BARS	POUND	223		223
52200800	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	14169	5792	8377
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1		1
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	1185	369	816
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	3		3

Δ SPECIALTY ITEM

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ITEP	STP
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	434	165	269
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	518	196	322
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	86		86
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	25		25
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	66	66	
55100300	STORM SEWER REMOVAL 8"	FOOT	178	178	
55100400	STORM SEWER REMOVAL 10"	FOOT	32		32
55100500	STORM SEWER REMOVAL 12"	FOOT	896	146	750
55100700	STORM SEWER REMOVAL 15"	FOOT	579		579
55100900	STORM SEWER REMOVAL 18"	FOOT	70		70
55101200	STORM SEWER REMOVAL 24"	FOOT	80		80
Δ 56100600	WATER MAIN 6"	FOOT	6		6
Δ 56100700	WATER MAIN 8"	FOOT	988		988
Δ 56105000	WATER VALVES 8"	EACH	6		6
60108104	PIPE UNDERDRAINS, TYPE 1, 4"	FOOT	1657	616	1041
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	1219	747	472

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ITEP	STP
60202405	CATCH BASINS, TYPE A, 4'-DIAMETER	EACH	20	8	12
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	24	6	18
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1		1
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	1	2
Δ 60248700	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6		6
60600605	CONCRETE CURB, TYPE B	FOOT	1002	561	441
60602800	CONCRETE GUTTER, TYPE B	FOOT	649		649
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	11323	4942	6381
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	80	55	25
60608300	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12	FOOT	277		277
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	1623		1623
63200310	GUARDRAIL REMOVAL	FOOT	972		972
66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	115	115	
66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2	
66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1	
66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1	

Δ SPECIALTY ITEM

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ITEP	STP
66901006	REGULATED SUBSTANCES MONITORING	CAL DA	5	5	
67100100	MOBILIZATION	LSUM	1	0.45	0.55
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	1036	518	518
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	146		146
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	800		800
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	60		60
70400100	TEMPORARY CONCRETE BARRIER	FOOT	320		320
70600235	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE), TEST LEVEL 2	EACH	1		1
72000100	SIGN PANEL - TYPE 1	SQ FT	497	124	373
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	1040	343	697
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	280.7	188.4	92.3
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	6640	2188	4452
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2838	2786	52
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2742	2191	551
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	155	155	
78008300	POLYUREA PAVEMENT MARKING TYPE II - LETTERS AND SYMBOLS	SQ FT	104.8	104.8	

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ITEP	STP
78008310	POLYUREA PAVEMENT MARKING TYPE II - LINE 4"	FOOT	2892	2892	
78008330	POLYUREA PAVEMENT MARKING TYPE II - LINE 6"	FOOT	160	160	
78008350	POLYUREA PAVEMENT MARKING TYPE II - LINE 12"	FOOT	54	54	
78008370	POLYUREA PAVEMENT MARKING TYPE II - LINE 24"	FOOT	51	51	
78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	4		4
Δ 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1		1
Δ 80400200	ELECTRIC UTILITY SERVICE CONNECTION	LSUM	1		1
Δ 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	60		60
Δ 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	220	65	155
Δ 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	70	70	
Δ 81028250	UNDERGROUND CONDUIT, GALVANIZED STEEL, 5" DIA.	FOOT	30	30	
Δ 81028730	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.	FOOT	310	310	
Δ 81028740	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2" DIA.	FOOT	5030	2420	2610
Δ 81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	3	3	
Δ 81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	37500	18270	19230
Δ 81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	240		240

Δ SPECIALTY ITEM

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ITEP	STP
Δ 82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1		1
Δ 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	48	48	
Δ 84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	31	31	
Δ 84200804	REMOVAL OF POLE FOUNDATION	EACH	20	20	
Δ 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1	
Δ 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	583	583	
Δ 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2	2	
Δ 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2	2	
Δ 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2	2	
Δ 89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	2	2	
Δ 89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	1	1	
Δ 89502200	MODIFY EXISTING CONTROLLER	EACH	1	1	
Δ 89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1	1	
Δ 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	689	689	
Δ 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1	
Δ 89502380	REMOVE EXISTING HAND-HOLE	EACH	3	3	

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ITEP	STP
Δ A2000220	TREE, ACER X FREEMANII MARMO (MARMO FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	8	2	6
Δ A2004520	TREE, GINKGO BILOBA PRINCETON SENTRY (PRINCETON SENTRY GINKGO), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	12	6	6
Δ A2007620	TREE, TAXODIUM DISTICHUM (COMMON BALD CYPRESS), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	12	7	5
Δ A2007920	TREE, TILIA AMERICANA REDMOND (REDMOND AMERICAN LINDEN), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	3		3
Δ A2008020	TREE, TILIA CORDATA (LITTLE LEAF LINDEN), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	2	
Δ A2008470	TREE, ULMUS AMERICANA PRINCETON (PRINCETON AMERICAN ELM), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	2	
Δ B2000767	TREE, AMELANCHIER X GRANDIFLORA AUTUMN BRILLIANCE (AUTUMN BRILLIANCE SERVICE BERRY), 8' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	10		10
Δ B2002715	TREE, MALUS ADIRONDACK (ADIRONDACK CRAB APPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	3	3	
Δ B2004115	TREE, MALUS PRAIRIFIRE (PRAIRIFIRE CRABAPPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	3	3	
Δ B2006015	TREE, SYRINGA PEKINENSIS (PEKING LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	3	3	
Δ B2006215	TREE, SYRINGA RETICULATA (JAPANESE TREE LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	4	4	
Δ C2000335	SHRUB, ARONIA ARBUTIFOLIA (RED CHOKE BERRY), 3' HEIGHT, BALLED AND BURLAPPED	EACH	11		11
Δ C2001148	SHRUB, CEPHALANTHUS OCCIDENTALIS (BUTTON BUSH), 4' HEIGHT, BALLED AND BURLAPPED	EACH	9		9
Δ C2003535	SHRUB, HYDRANGEA PANICULATA GRANDIFLORA (PEEGEE PANICLE HYDRANGEA), 3' HEIGHT, BALLED AND BURLAPPED	EACH	8		8

Δ SPECIALTY ITEM

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ITEP	STP
Δ C2005865	SHRUB, RHUS AROMATICA GRO-LOW (GRO-LOW FRAGRANT SUMAC), 5-GALLON	EACH	8		8
Δ D2001124	EVERGREEN, JUNIPERUS PROCUMBENS NANA (DWARF JAPANESE ROCK GARDEN JUNIPER), 24" WIDTH, BALLED AND BURLAPPED	EACH	36		36
Δ D2001572	EVERGREEN, JUNIPERUS VIRGINIANA (EASTERN RED CEDAR), 6' HEIGHT, BALLED AND BURLAPPED	EACH	8		8
Δ D2002986	EVERGREEN, PINUS STROBUS (EASTER WHITE PIKE), 8' HEIGHT, BALLED AND BURLAPPED	EACH	4		4
Δ D2C03224	EVERGREEN, RHODODENDRON PJM (PJM RHODODENDRON), 2' HEIGHT, CONTAINER	EACH	91		91
Δ K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	2.45		2.45
Δ K0013020	PERENNIAL PLANTS, PRAIRIE TYPE, GALLON POT	UNIT	0.42		0.42
Δ K0029634	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	2.3		2.3
Δ K0036120	MULCH PLACEMENT 4"	SQ YD	216	31	185
Δ X0322708	REMOVE EXISTING STREET LIGHTING EQUIPMENT	EACH	1	1	-
X0322924	RETAINING WALL REMOVAL	SQ FT	1300	900	400
Δ X0325815	REMOVE EXISTING CABLE	FOOT	1250	1250	
Δ X0326654	ORNAMENTAL LIGHT UNIT, COMPLETE	EACH	19	19	
X0326862	STRUCTURES TO BE ADJUSTED	EACH	25	16	9
Δ X0326863	BRICK SIDEWALK	SQ FT	10184	10184	
Δ X0326864	BRICK SIDEWALK REMOVAL	SQ FT	9587	9587	

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ITEP	STP
X0327583	STAMPED COLORED PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	344		344
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	603	603	
Δ X0540000	BRICK PAVERS	SQ FT	10753	10753	
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	13	9	4
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	14	10	4
X4023000	TEMPORARY ACCESS (ROAD)	EACH	11	6	5
X4240800	DETECTABLE WARNINGS (SPECIAL)	SQ FT	784	464	320
X5610004	DUCTILE IRON WATER MAIN FITTINGS	POUND	1176		1176
Δ X5610705	WATER MAIN REMOVAL, 6"	FOOT	203		203
Δ X5610708	WATER MAIN REMOVAL, 8"	FOOT	784		784
Δ X5620040	WATER SERVICE CONNECTION 2"	EACH	1	-	1
Δ X5640150	FIRE HYDRANT ASSEMBLY COMPLETE	EACH	1	-	1
Δ X6026622	VALVE VAULTS TO BE REMOVED	EACH	15	9	6
X6061005	CONCRETE CURB, TYPE B (SPECIAL)	FOOT	174	174	-
X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	18	8	10
X7010215	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	0.45	0.55

Δ SPECIALTY ITEM

FILE NAME =	USER NAME = mworkman	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1D HARRISON STREET AND MAIN STREET SUMMARY OF QUANTITIES	MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\ALGONQUIN\070273\070273.00132\Civil\SD_070273_132_01.dwg	SD_070273_132_01.dwg	DRAWN -	REVISED -			4560/0145	16-00090-02-PV	MCHENRY	182	8	
Defaults	PLOT SCALE = 1'	CHECKED -	REVISED -			CONTRACT NO. 61G60					
	PLOT DATE = 1/5/2021	DATE -	REVISED -			SCALE: \$SCALE\$	SHEET 6 OF 7 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ITEP	STP
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	93		93
Δ X8100105	CONDUIT SPLICE	EACH	6	6	
Δ X8250500	LIGHTING UNIT COMPLETE, SPECIAL	EACH	21		21
Δ X8300001	LIGHT POLE, SPECIAL	EACH	9	9	
Δ X8360210	LIGHT POLE FOUNDATION, 24" DIAMETER, SPECIAL	FOOT	300	90	210
Δ X8950130	MODIFY EXISTING LIGHTING CONTROLLER	EACH	1	1	
XX004242	ORNAMENTAL HANDRAIL	FOOT	693	342	351
Δ XX007266	FIRE HYDRANTS TO BE REMOVED, SPECIAL	EACH	1		1
Δ XX008195	EXPLORATION EXCAVATION (UTILITY)	FOOT	200	100	100
XX008824	CATCH BASINS, SPECIAL	EACH	53	12	41
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	0.45	0.55
Z0018600	DRAINAGE STRUCTURES TO BE RECONSTRUCTED	EACH	7	7	
Z0018700	DRAINAGE STRUCTURE TO BE REMOVED	EACH	61	19	42
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	103		103
Δ Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	15	15	
Δ Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1	1	

Δ SPECIALTY ITEM

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ITEP	STP
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	132		132
Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	233		233
Z0056612	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	173		173
Z0056615	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	FOOT	66		66
Z0062456	TEMPORARY PAVEMENT	SQ YD	356		356
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	6	6	
# Z0076600	TRAINEES	HOUR	1000	500	500
# Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1000	500	500

#0042

STATION	TOPSOIL STRIPPING (SQ FT)	CUT (SQ FT)	FILL (SQ FT)
HARRISON STREET (SOUTH SECTION)			
100+00	0.0	0.0	0.0
100+15	6.9	0.0	3.2
100+50	0.0	0.0	0.0
100+72	0.0	0.0	0.0
101+00	4.0	0.0	1.3
101+50	3.9	0.0	2.3
101+60	3.9	0.0	2.4
101+86	1.6	0.0	2.7
102+00	8.0	0.0	6.4
102+22	8.8	0.0	7.6
102+51	4.8	0.0	3.5
102+84	4.0	0.0	1.9
103+00	7.8	0.0	5.0
103+16	3.8	0.0	2.5
103+50	7.7	0.0	4.5
103+79	7.7	0.0	3.7
104+20	0.0	0.0	0.0
104+60	8.1	0.0	3.1
105+00	8.2	0.0	3.5
105+21	4.2	0.0	2.1
105+50	8.2	0.0	5.5
105+77	4.0	0.0	3.9
106+00	8.1	0.0	4.4
106+09	4.1	0.0	1.6
106+50	8.0	0.0	5.6
107+00	4.1	0.0	6.2
TOTALS			

CUT (CU YD)	(1) ADJUSTED CUT (CU YD)	FILL (CU YD)	(2) CUT/FILL BALANCE (CU YD)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)
0.0	0.0	0.9	-0.9	1.9
0.0	0.0	2.1	-2.1	4.5
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.7	-0.7	2.0
0.0	0.0	3.3	-3.3	7.3
0.0	0.0	0.8	-0.8	1.4
0.0	0.0	2.5	-2.5	2.6
0.0	0.0	2.4	-2.4	2.5
0.0	0.0	5.7	-5.7	6.8
0.0	0.0	6.0	-6.0	7.3
0.0	0.0	3.3	-3.3	5.5
0.0	0.0	2.0	-2.0	3.4
0.0	0.0	2.2	-2.2	3.4
0.0	0.0	4.4	-4.4	7.3
0.0	0.0	4.4	-4.4	8.2
0.0	0.0	2.8	-2.8	5.8
0.0	0.0	2.3	-2.3	6.0
0.0	0.0	4.9	-4.9	12.1
0.0	0.0	2.2	-2.2	4.9
0.0	0.0	4.0	-4.0	6.6
0.0	0.0	4.7	-4.7	6.1
0.0	0.0	3.5	-3.5	5.2
0.0	0.0	1.0	-1.0	2.0
0.0	0.0	5.5	-5.5	9.2
0.0	0.0	10.9	-10.9	11.2
0.0			-82.5	133.3

STATION	TOPSOIL STRIPPING (SQ FT)	CUT (SQ FT)	FILL (SQ FT)
HARRISON STREET (NORTH SECTION)			
116+00	0.0	1.4	0.3
116+50	0.0	0.0	5.0
117+00	0.0	0.7	4.2
117+12	0.0	0.0	4.7
117+47	0.0	0.0	4.2
117+50	0.0	0.0	4.0
117+74	0.0	0.0	5.1
118+00	3.8	0.0	1.3
118+50	7.6	0.2	0.1
118+70	6.9	0.8	0.1
119+00	3.5	0.0	0.2
119+09	7.9	1.2	3.6
119+50	6.0	0.0	0.4
120+00	4.4	0.0	5.3
120+18	0.0	0.0	0.2
120+50	0.7	0.0	0.2
120+61	0.7	0.0	0.2
121+00	0.6	0.0	6.9
121+45	0.0	0.0	7.0
121+50	0.4	0.0	7.2
122+00	0.0	0.0	0.0
122+50	6.7	0.0	0.0
122+92	2.7	0.0	2.6
123+00	2.1	0.0	3.5
123+31	4.2	0.0	8.9
123+50	3.6	0.0	8.1
124+00	4.1	0.0	7.0
124+45	0.0	0.0	2.6
125+12	4.7	0.0	1.2
125+30	8.5	0.0	2.9
125+50	0.0	0.0	1.0
126+00	6.7	0.0	3.6
126+50	7.6	0.0	2.4
127+00	4.9	0.0	1.6
127+50	3.4	0.0	0.7
128+00	0.0	25.2	1.4
128+50	6.9	8.5	8.1
129+00	5.8	3.4	9.3
129+50	5.2	3.7	13
130+00	8.2	8.3	10.6
TOTALS			

CUT (CU YD)	(1) ADJUSTED CUT (CU YD)	FILL (CU YD)	(2) CUT/FILL BALANCE (CU YD)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)
1.3	1.1	4.9	-3.8	0.0
0.6	0.6	8.5	-8.0	0.0
0.2	0.1	2.0	-1.8	0.0
0.0	0.0	5.8	-5.8	0.0
0.0	0.0	0.4	-0.4	0.0
0.0	0.0	4.0	-4.0	0.0
0.0	0.0	3.1	-3.1	1.9
0.2	0.2	1.3	-1.1	10.6
0.4	0.3	0.1	0.2	5.3
0.4	0.4	0.2	0.2	5.8
0.2	0.2	0.6	-0.5	1.9
0.9	0.8	3.0	-2.3	10.6
0.0	0.0	5.3	-5.3	9.6
0.0	0.0	1.9	-1.9	1.5
0.0	0.0	0.2	-0.2	0.4
0.0	0.0	0.1	-0.1	0.3
0.0	0.0	5.1	-5.1	0.9
0.0	0.0	11.6	-11.6	0.5
0.0	0.0	1.3	-1.3	0.0
0.0	0.0	6.7	-6.7	0.4
0.0	0.0	0.0	0.0	6.2
0.0	0.0	2.0	-2.0	7.3
0.0	0.0	0.9	-0.9	0.7
0.0	0.0	7.1	-7.1	3.6
0.0	0.0	5.9	-5.9	2.7
0.0	0.0	14.0	-14.0	7.1
0.0	0.0	8.0	-8.0	3.4
0.0	0.0	4.7	-4.7	5.8
0.0	0.0	1.4	-1.4	4.6
0.0	0.0	1.4	-1.4	3.1
0.0	0.0	4.3	-4.3	6.2
0.0	0.0	5.6	-5.6	13.2
0.0	0.0	3.7	-3.7	11.6
0.0	0.0	2.1	-2.1	7.7
23.3	19.8	1.9	17.9	3.1
31.2	26.5	8.8	17.7	6.4
11.0	9.4	16.1	-6.7	11.8
6.6	5.6	20.6	-15.1	10.2
11.1	9.4	21.9	-12.4	12.4
87.5			-122.3	176.8

STATION	TOPSOIL STRIPPING (SQ FT)	CUT (SQ FT)	FILL (SQ FT)
MAIN STREET STAGE 1			
1006+50	10.5	11.5	17.6
1006+65	6.6	20.2	7.9
1006+87	4.3	23.7	9.1
1007+00	9.2	16.8	10.8
1007+20	9.3	15.1	13.6
1007+37	3.7	10.8	5.4
1007+42	3.4	11.0	5.0
1007+50	7.0	10.0	6.8
1007+75	7.6	18.5	10.9
1007+88	7.5	19.4	12.3
1008+00	5.5	20.7	9.7
1008+50	4.2	15.6	51.5
1008+80	4.4	16.1	18.0
1009+00	5.0	16.9	18.4
1009+50	6.1	18.4	20.1
1010+00	9.7	15.7	21.9
1010+25	6.0	28.6	24.0
1010+50	11.6	36.9	23.8
1010+56	5.1	29.1	3.8
1011+00	6.2	27.9	26.9
1011+50	7.1	25.8	16.9
1011+85	4.4	23.8	16.8
1012+00	4.9	33.9	17.1
1012+50	6.9	32.2	17.1
1013+00	5.1	36.5	15.8
1013+50	9.1	30.1	16.3
1014+00	9.0	24.6	14.6
1014+50	6.3	14.6	12.9
1015+00	6.1	13.5	11.7
1015+50	5.8	13.7	10.3
1016+00	7.4	12.1	11.0
1016+50	9.3	17.4	10.7
1017+00	8.5	22.7	11.1
1017+50	6.9	22.3	11.2
1018+00	11.0	21.1	17.1
1018+50	9.9	21.4	17.9
1019+00	9.9	24.0	18.7
1019+50	8.8	27.4	18.3
1020+00	7.9	24.2	20.9
1020+50	8.9	31.4	17.2
1021+00	11.9	33.8	23.2
1021+50	5.0	42.4	24.6
1022+00	7.7	38.1	29.5
1022+50	8.0	68.4	12.0
1023+00	17.3	268.4	1.2
TOTALS			

CUT (CU YD)	(1) ADJUSTED CUT (CU YD)	FILL (CU YD)	(2) CUT/FILL BALANCE (CU YD)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)
8.6	7.3	6.9	0.4	4.7
17.9	15.2	6.9	8.3	4.4
9.9	8.5	4.9	3.6	3.3
11.8	10.0	9.0	1.0	6.9
8.2	6.9	6.0	0.9	4.1
2.0	1.7	1.0	0.7	0.7
3.1	2.7	1.8	0.9	1.6
13.2	11.2	8.2	3.0	6.8
8.9	7.6	5.4	2.1	3.5
9.2	7.8	5.0	2.8	3.0
33.6	28.6	56.7	-28.1	9.0
17.5	14.9	38.5	-23.6	4.8
12.3	10.4	13.6	-3.1	3.5
32.7	27.8	35.6	-7.9	10.3
31.6	26.8	38.9	-12.1	14.6
20.5	17.5	21.3	-3.8	7.3
30.3	25.7	22.1	3.6	8.1
7.0	6.0	2.9	3.0	1.8
46.7	35.7	25.2	14.6	9.3
49.7	42.3	40.6	1.7	12.3
32.1	27.3	21.8	5.5	7.5
16.0	13.6	9.4	4.2	2.6
61.2	52.0	31.7	20.4	10.9
63.6	54.1	30.5	23.6	11.1
61.7	52.4	29.7	22.7	13.1
50.6	43.1	28.6	14.4	16.8
36.3	30.9	25.5	5.4	14.2
26.0	22.1	22.8	-0.7	11.5
25.2	21.4	20.4	1.0	11.0
23.9	20.3	19.7	0.6	12.2
27.3	23.2	20.1	3.1	15.5
37.1	31.6	20.2	11.4	16.5
41.7	35.4	20.6	14.8	14.3
40.2	34.2	26.2	8.0	16.6
39.4	33.4	32.4	1.0	19.4
42.0	35.7	33.9	1.8	18.3
47.6	40.5	34.3	6.2	17.3
47.8	40.6	36.3	4.3	15.5
51.5	43.8	35.3	8.5	15.6
60.4	51.3	37.4	13.9	19.3
70.6	60.0	44.3	15.7	15.6
74.5	63.4	50.1	13.3	11.8
98.6	83.8	38.4	45.4	14.5
311.9	265.1	12.2	252.9	23.4
1762.0		1032.1	465.5	464.0

NOTES:
(1) 15% SHRINKAGE
(2) POSITIVE (+) INDICATES EXCESS CUT INCLUDED IN THE COST OF "EARTH EXCAVATION".
NEGATIVE (-) INDICATES INSUFFICIENT SUITABLE CUT MATERIAL PAID FOR AS "FURNISH EXCAVATION".

FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -
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	PLOT DATE = 12/5/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE 1D HARRISON STREET AND MAIN STREET
SCHEDULE OF QUANTITIES**

SCALE: \$SCALE\$ SHEET OF SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4560/0145	16-00090-02-PV	MCHENRY	182	10
CONTRACT NO. 61G60				
ILLINOIS FED. AID PROJECT				

STATION	TOPSOIL STRIPPING (SQ FT)	CUT (SQ FT)	FILL (SQ FT)	CUT (CU YD)	(1) ADJUSTED CUT (CU YD)	FILL (CU YD)	(2) CUT/FILL BALANCE (CU YD)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)
MAIN STREET STAGE 2								
1023+00	17.3	268.4	1.2					
1023+50	0.0	236.3	0.0	467.3	397.2	1.1	396.1	16.0
1024+00	23.7	381.2	0.0	571.8	486.0	0.0	486.0	21.9
1024+50	22.0	371.3	0.0	696.8	592.2	0.0	592.2	42.3
1025+00	19.8	377.0	0.0	692.9	588.9	0.0	588.9	38.7
1025+50	10.7	340.9	0.0	664.7	565.0	0.0	565.0	28.2
1026+00	31.6	250.5	0.1	547.6	465.5	0.1	465.4	39.2
1026+50	20.2	113.6	0.6	337.1	286.6	0.6	285.9	48.0
1027+00	16.5	33.9	14.1	136.6	116.1	13.6	102.5	34.0
1027+50	10.6	0.0	18.0	31.4	26.7	29.7	-3.0	25.1
1028+00	10.3	0.0	14.0	0.0	0.0	29.6	-29.6	19.4
1028+50	12.8	0.2	16.8	0.2	0.2	28.5	-28.4	21.4
1029+00	11.0	0.1	7.9	0.3	0.2	22.9	-22.6	22.0
1029+50	11.4	0.0	12.8	0.1	0.1	19.2	-19.1	20.7
1030+00	12.6	0.0	12.0	0.0	0.0	23.0	-23.0	22.2
1030+50	13.2	1.9	2.9	1.8	1.5	13.8	-12.3	23.9
1031+00	11.3	3.0	0.8	4.5	3.9	3.4	0.4	22.7
TOTALS				4153.0		185.6	3344.5	445.7

STATION	TOPSOIL STRIPPING (SQ FT)	CUT (SQ FT)	FILL (SQ FT)
ARROWHEAD DRIVE STAGE 1			
2000+50	0.0	0.0	0.0
2000+61	0.0	7.3	0.0
2000+80	8.3	28.3	0.0
2001+00	8.4	29.9	0.0
2001+25	8.5	40.4	0.0
2001+50	8.7	59.2	0.0
2002+00	9.6	111.8	0.0
2002+50	8.7	95.0	0.0
2002+62	8.4	101.8	0.0
TOTALS			

CUT (CU YD)	(1) ADJUSTED CUT (CU YD)	FILL (CU YD)	(2) CUT/FILL BALANCE (CU YD)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)
1.5	1.3	0.0	1.3	0.0
12.5	10.6	0.0	10.6	2.9
21.6	18.3	0.0	18.3	6.2
32.5	27.7	0.0	27.7	7.8
46.1	39.2	0.0	39.2	8.0
158.3	134.6	0.0	134.6	16.9
191.5	162.8	0.0	162.8	16.9
43.7	37.2	0.0	37.2	3.8
507.8		0.0	431.6	62.6

STATION	TOPSOIL STRIPPING (SQ FT)	CUT (SQ FT)	FILL (SQ FT)
RIVERWOD DRIVE			
4000+5C	19.9	22.8	17.5
4001+0C	17.4	30.5	57.4
4001+5C	25.0	26.5	46.8
4002+0C	22.0	146.3	1.1
4002+5C	30.2	275.3	0.0
4003+0C	20.9	39.7	0.0
4003+0E	0.0	0.0	0.0
TOTALS			

CUT (CU YD)	(1) ADJUSTED CUT (CU YD)	FILL (CU YD)	(2) CUT/FILL BALANCE (CU YD)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)
49.4	41.9	69.4	-27.4	34.5
52.8	44.9	96.5	-51.6	39.3
160.0	136.0	44.4	91.6	43.5
390.4	331.8	1.0	330.8	48.3
291.7	247.9	0.0	247.9	47.3
5.9	5.0	0.0	5.0	3.1
950.0		211.2	596.3	216.1

STATION	TOPSOIL STRIPPING (SQ FT)	CUT (SQ FT)	FILL (SQ FT)
ARROWHEAD DRIVE STAGE 2			
2000+50	0.0	0.0	0.0
2000+61	1.5	10.3	0.4
2000+80	0.0	7.9	0.6
2001+00	5.1	14.5	0.3
2001+25	4.3	38.3	0.0
2001+50	5.9	50.6	2.3
2002+00	3.1	133.6	0.0
2002+50	19.4	265.8	2.7
2002+62	1.4	155.0	0.0
TOTALS			

CUT (CU YD)	(1) ADJUSTED CUT (CU YD)	FILL (CU YD)	(2) CUT/FILL BALANCE (CU YD)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)
2.1	1.8	0.1	1.7	0.3
6.4	5.4	0.4	5.1	0.5
8.3	7.1	0.3	6.7	1.9
24.4	20.8	0.1	20.6	4.4
41.2	35.0	1.1	33.9	4.7
170.6	145.0	2.1	142.8	8.3
369.8	314.3	2.5	311.8	20.8
93.5	79.5	0.6	78.9	4.6
716.3		7.2	601.6	45.6

STATION	TOPSOIL STRIPPING (SQ FT)	CUT (SQ FT)	FILL (SQ FT)
CARY ROAD			
3000+74	4.8	192.5	0.9
3001+0C	41.9	268.4	0.5
3001+5C	15.7	100.2	1.0
3002+0C	6.4	45.8	6.1
3002+34	0.0	34.3	1.3
3002+5C	6.6	24.1	6.6
3002+7C	0.6	15.4	3.2
3003+0C	0.0	0.0	0.0
3003+1S	0.0	0.0	0.0
TOTALS			

CUT (CU YD)	(1) ADJUSTED CUT (CU YD)	FILL (CU YD)	(2) CUT/FILL BALANCE (CU YD)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)
225.3	191.5	0.7	190.8	22.8
341.3	290.1	1.4	288.7	53.3
135.2	114.9	6.6	108.3	20.5
50.4	42.9	4.7	38.2	4.0
17.3	14.7	2.3	12.4	2.0
14.9	12.6	3.7	9.0	2.7
8.5	7.2	1.8	5.4	0.3
0.0	0.0	0.0	0.0	0.0
792.9		21.1	652.9	105.7

STATION	TOPSOIL STRIPPING (SQ FT)	CUT (SQ FT)	FILL (SQ FT)
ARROWHEAD DRIVE STAGE 3			
2000+50	0.0	0.0	0.0
2000+61	0.0	0.0	3.9
2000+80	0.8	1.0	6.1
2001+00	0.3	0.0	8.9
2001+25	0.3	0.0	8.9
2001+50	0.2	5.9	9.8
2002+00	0.2	8.2	20.7
2002+50	3.2	14.6	19.2
2002+62	2.1	21.9	7.0
TOTALS			

CUT (CU YD)	(1) ADJUSTED CUT (CU YD)	FILL (CU YD)	(2) CUT/FILL BALANCE (CU YD)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)
0.0	0.0	0.8	-0.8	0.0
0.4	0.3	3.5	-3.2	0.3
0.4	0.3	5.6	-5.2	0.4
0.0	0.0	8.2	-8.2	0.3
2.7	2.3	8.7	-6.3	0.2
13.1	11.1	28.2	-17.1	0.4
21.1	17.9	36.9	-19.0	3.1
8.1	6.9	5.8	1.1	1.2
45.7		97.8	-58.9	5.9

EARTHWORK SUMMARY			
	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	EARTH EXCAVATION (CU YD)	FURNISH EXCAVATION (CU YD)
HARRISON STREET (SOUTH SECTION)	133.3	0.0	82.5
HARRISON STREET (NORTH SECTION)	176.8	87.5	122.3
RAB STAGE 1			
RIVERVIEW DRIVE	216.1	950.0	0.0
MAIN STREET	464.0	1762.0	0.0
ARROWHEAD DRIVE	62.6	507.8	0.0
RAB STAGE 2			
MAIN STREET	445.7	4153.0	0.0
ARROWHEAD DRIVE	45.6	716.3	0.0
CARY ROAD	105.7	792.9	0.0
RAB STAGE 3			
ARROWHEAD DRIVE	5.9	45.7	58.9
HARRISON ST UNDERCUT			
18" - STA 118+50 TO STA 127+37	1690.0		
12" - 25% CONTINGENCY FOR REMAINDER	501.0		
PROJECT TOTALS	3846.7	9015.1	263.7

NOTES:
(1) 15% SHRINKAGE
(2) POSITIVE (+) INDICATES EXCESS CUT INCLUDED IN THE COST OF "EARTH EXCAVATION".
NEGATIVE (-) INDICATES INSUFFICIENT SUITABLE CUT MATERIAL PAID FOR AS " FURNISH EXCAVATION".

FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

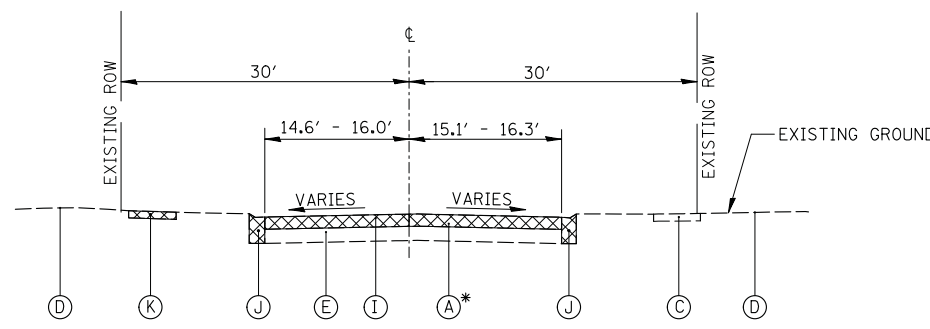
**STAGE 1D HARRISON STREET AND MAIN STREET
SCHEDULE OF QUANTITIES**

SCALE: \$SCALE\$ SHEET OF SHEETS STA. TO STA.

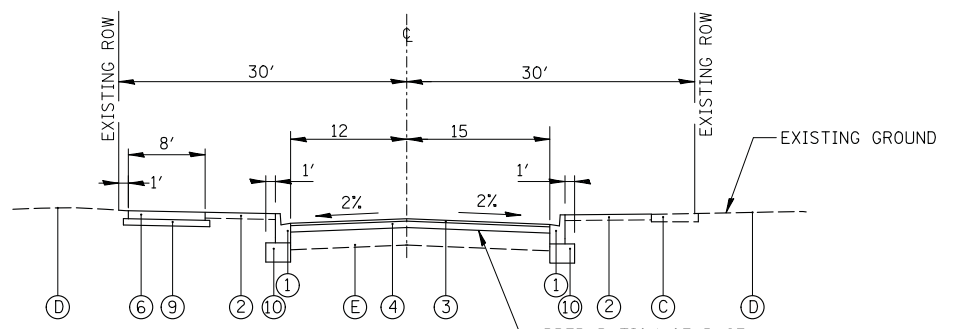
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4660/0145	16-00090-02-PV	MCHENRY	182	11
			CONTRACT NO. 61G60	
ILLINOIS FED. AID PROJECT				

STORM SEWER SCHEDULE										
PIPE #	FROM STRUCTURE	TO STRUCTURE	LENGTH (FT)	DIA (IN)	MATERIAL	PIPE TYPE	SLOPE (%)	UPSTREAM INVERT	DOWNSTREAM INVERT	TBF (CY)
101	1	6	162	12	RCP	2	0.44%	734.22	733.50	35
102	2	4	8	12	RCP	1	5.63%	734.20	733.75	2
103	5	4	27	12	RCP	1	0.33%	733.61	733.52	5
104	3	5	8	12	RCP	1	6.13%	734.20	733.71	2
105	4	6	3	12	RCP	2	0.67%	733.52	733.50	1
106	6	7	138	15	RCP	2	0.45%	733.40	732.78	46
107	8	7	23	12	RCP	1	0.96%	734.67	734.45	4
108	10	8	31	12	RCP	1	1.45%	735.22	734.77	5
109	7	9	58	15	RCP	2	0.59%	732.68	732.34	22
110	11	12	27	12	RCP	1	0.48%	733.69	733.56	4
111	12	14	18	12	RCP	1	0.50%	733.46	733.37	3
112	13	14	29	12	RCP	1	0.48%	733.51	733.37	4
113	26	27	32	12	RCP	2	0.50%	761.79	761.63	5
114	27	31	119	15	RCP	2	3.66%	765.98	761.63	31
115	28	30	8	12	RCP	1	0.88%	767.59	767.52	2
116	29	30	22	12	RCP	1	0.95%	767.99	767.78	3
117	30	31	6	12	RCP	1	1.00%	767.42	767.36	1
118	32	31	89	15	RCP	2	5.83%	771.31	766.12	32
119	33	34	22	12	RCP	1	0.95%	773.62	773.41	3
120	34	32	9	12	RCP	2	0.89%	773.31	773.23	2
121	35	32	114	15	RCP	2	5.83%	778.20	771.55	46
122	36	35	2	12	RCP	2	1.00%	780.78	780.76	1
123	38	35	25	12	RCP	1	3.04%	781.52	780.76	4
124	37	38	22	12	RCP	1	0.95%	781.83	781.62	3
126	40	41	22	12	RCP	1	2.27%	791.99	791.49	3
127	41	42	35	12	RCP	2	1.00%	791.39	791.04	10
128	44	45	22	12	RCP	1	0.95%	796.65	799.44	3
129	45	46	2	12	RCP	1	1.00%	796.34	799.32	1
130	47	46	3	12	RCP	2	1.33%	796.68	799.64	1
131	50	48	29	12	RCP	1	4.55%	806.44	805.12	4
132	49	50	22	12	RCP	1	2.27%	807.04	806.54	3
133	53	52	22	12	RCP	1	0.95%	814.51	814.30	3
134	52	51	11	12	RCP	2	0.91%	814.20	814.10	3
135	54	53	37	12	RCP	1	6.57%	817.04	814.61	5
136	55	56	22	12	RCP	1	0.95%	822.28	822.07	3
137	56	57	5	12	RCP	1	0.80%	821.97	821.93	1
138	58	59	22	12	RCP	1	0.95%	826.36	829.15	3
139	59	60	3	12	RCP	1	1.00%	826.05	829.02	1
140	61	62	22	12	RCP	1	0.95%	836.36	836.15	3
141	62	63	3	12	RCP	1	0.67%	836.05	836.03	1
142	64	63	47	12	RCP	2	-	-	832.42	0
143	65	64	121	12	RCP	2	-	-	-	0
144	68	67	29	12	RCP	1	1.28%	843.48	843.11	4
145	67	66	5	12	RCP	1	0.80%	843.01	842.97	1
146	71	70	44	12	RCP	1	1.00%	851.18	850.74	6
147	70	69	3	12	RCP	1	0.67%	850.64	850.62	1
148	74	72	25	24	RCP	2	2.52%	853.88	853.25	9
149	73	74	3	12	RCP	2	3.33%	854.98	854.88	1
150	75	88	8	12	WMQ	n/a	2.50%	855.91	855.71	2
151	76	74	66	24	WMQ	n/a	3.50%	857.05	854.74	14
152	77	76	24	15	WMQ	n/a	1.50%	857.66	857.30	5
153	78	77	34	12	WMQ	n/a	2.00%	858.59	857.91	5
154	80	77	34	12	WMQ	n/a	1.29%	858.35	857.91	5
155	79	80	17	12	RCP	1	5.00%	859.30	858.45	3
156	81	80	11	12	RCP	1	5.00%	859.00	858.45	2
157	82	76	99	15	WMQ	n/a	3.35%	860.62	857.30	17
158	83	82	3	12	RCP	1	3.33%	861.07	860.97	1
159	84	83	15	12	RCP	1	2.87%	861.60	861.17	2
160	85	82	110	15	WMQ	n/a	3.66%	864.75	860.72	19
161	86	85	6	12	RCP	2	1.67%	865.10	865.00	1
162	100	86	55	12	RCP	1	1.00%	865.75	865.20	8
163	87	73	25	12	RCP	1	1.00%	855.33	855.08	4
164	88	87	18	12	WMQ	n/a	1.00%	855.61	855.43	3
165	89	88	8	12	WMQ	n/a	2.50%	855.91	855.71	2
166	90	72	136	18	WMQ	n/a	2.53%	856.16	854.72	28
167	91	90	6	12	WMQ	n/a	0.67%	856.70	856.66	1
168	92	91	24	12	WMQ	n/a	1.00%	856.04	856.80	4
169	97	92	38	12	RCP	1	1.00%	856.52	859.14	6
170	93	90	83	18	RCP	2	1.33%	856.51	858.41	22
171	94	93	3	18	RCP	2	3.33%	856.71	859.61	1
172	95	94	37	18	WMQ	n/a	1.00%	860.18	859.81	7
173	96	95	3	18	RCP	1	80.00%	862.68	860.28	1
174	98	97	7	12	RCP	1	10.14%	860.33	859.62	1
175	99	97	62	12	RCP	1	2.05%	861.70	860.43	9
176	15	16	67	12	RCP	1	0.07%	732.25	732.20	9
177	16	18	35	12	RCP	1	0.34%	732.18	732.06	5
178	17	18	32	12	RCP	1	0.94%	732.46	732.16	5
179	18		110	12	RCP	1	0.66%	731.92	731.19	2
180			88	12	RCP	1	0.08%	732.26	732.19	1
181	101	100	26	12	RCP	1	0.50%	865.98	865.85	4
182	102	66	4	12	RCP	1	1.00%	843.01	842.97	1
183	42	103	66	36	RCP	2	9.77%	783.54	777.09	136

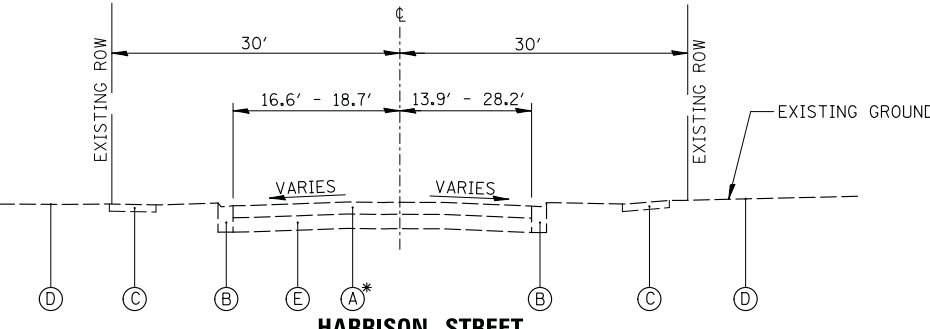
DRAINAGE STRUCTURE SCHEDULE										
STRUCTURE	STRUCTURE TYPE	FRAME TYPE	STATION	OFFSET	RIM	INV (N / NE)	INV (S / SW)	INV (E / SE)	INV (W / NW)	
1	MANHOLE, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	EJ 1050-Z1 M1 FHD	100+75.48	8.8 LT	737.82	734.22	-	734.32 (EX)	734.22 (EX)	
2	CATCH BASINS, SPECIAL	EJ 7010-T1-M3	102+30.00	12.0 LT	737.26	734.20	-	-	-	
3	CATCH BASINS, SPECIAL	EJ 7010-T1-M3	102+30.00	15.0 RT	737.20	734.20	-	-	-	
4	CATCH BASINS, TYPE A, 4' DIAMETER	EJ 7010-T1-M3	102+40.00	12.0 LT	737.25	-	733.75	733.52	733.52	
5	CATCH BASINS, TYPE A, 4' DIAMETER	EJ 7010-T1-M3	102+40.00	15.0 RT	737.19	-	733.71	-	733.61	
6	MANHOLE, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	EJ 1050-Z1 HD	102+40.00	19.5 LT	737.91	733.40	733.50	733.50	-	
7	MANHOLE, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	EJ 7010-T1-M3	103+61.47	19.5 LT	738.24	-	732.78	732.68	734.45	
8	CATCH BASINS, TYPE A, 4' DIAMETER	EJ 7010-T1-M3	104+03.66	35.0 LT	738.23	734.77	-	734.67	-	
9	MANHOLE, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	EJ 1050-Z1 HD	104+10.26	34.4 RT	737.82	-	-	732.24 (EX)	732.34	
10	CATCH BASINS, SPECIAL	EJ 7010-T1-M3	104+35.07	35.0 LT	738.22	-	735.22	-	-	
11	CATCH BASINS, SPECIAL	EJ 7010-T1-M3	107+06.89	15.0 RT	736.63	-	-	-	733.69	
12	CATCH BASINS, TYPE A, 4' DIAMETER	EJ 7010-T1-M3	107+07.68	12.0 LT	736.63	733.46	733.56	733.56	-	
13	CATCH BASINS, SPECIAL	EJ 7010-T1-M3	107+26.03	44.0 LT	736.61	-	-	733.51	-	
14	MANHOLE, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	EJ 1050-Z1 M1 FHD	107+28.66	13.4 RT	736.67	-	733.37	-	733.37	
15	CATCH BASINS, SPECIAL	EJ 7010-T1-M3	117+11.23	14.0 LT	734.67	732.25	-	-	-	
16	CATCH BASINS, TYPE A, 4' DIAMETER	EJ 7010-T1-M3	117+11.97	18.0 RT	734.79	732.18	-	-	732.20	
17	CATCH BASINS, SPECIAL	EJ 7010-T1-M3	117+46.94	14.0 LT	734.89	-	-	731.92	-	
18	CATCH BASINS, TYPE A, 4' DIAMETER	EJ 7010-T1-M3	117+47.44	18.0 RT	734.81	731.92	732.06	-	732.16	
19	MANHOLE, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	EJ 1050-Z1 M1 FHD	121+44.97	17.8 LT	733.65	-	731.78(EX)	731.73(EX)	-	
20	CATCH BASINS, SPECIAL	EJ 7010-T1-M3	121+45.30	10.0 LT	733.52	-	-	731.73(EX)	731.73(EX)	
21	CATCH BASINS, TYPE A, 4' DIAMETER	EJ 7010-T1-M3	121+46.62	21.0 RT	733.30	731.64(EX)	-	-	731.67(EX)	
22	CATCH BASINS, SPECIAL	EJ 7010-T1-M3	123+31.13	21.0 RT	733.13	-	-	731.11(EX)	731.30(EX)	
23	CATCH BASINS, SPECIAL	EJ 7010-T1-M3	123+31.40	10.0 LT	733.35	-	-	731.45(EX)	731.45(EX)	
24	CATCH BASINS, TYPE A, 4' DIAMETER	EJ 7010-T1-M3	125+26.41	27.2 LT	734.33	-	731.88(EX)	732.08(EX)	-	
25	CATCH BASINS, SPECIAL	EJ 7010-T1-M3	125+30.20	11.8 RT	734.06	-	-	-	732.09(EX)	
26	CATCH BASINS, SPECIAL	EJ 7010-T1-M3	1006+61.71	11.0 RT	764.31	-	-	-	761.79	
27	MANHOLE, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	EJ 1050-Z1 M1 FHD	1006+64.71	23.1 LT	766.32	761.63	761.63(EX)	761.63	-	
28	CATCH BASINS, SPECIAL	EJ 7010-T1-M4	1007+76.73	11.0 LT	770.59	767.59	-	-	767.78	
29	CATCH BASINS, SPECIAL	EJ 7010-T1-M4	1007+86.31	11.0 RT	770.99	-	-	768.06(EX)	767.99	
30	CATCH BASINS, TYPE A, 4' DIAMETER	EJ 7010-T1-M4	1007+86.75	11.0 LT	771.12	-	767.52	767.78	767.42	
31	MANHOLE, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	EJ 1050-Z1 M1 FHD	1007+87.67	22.0 LT	771.07	768.12	765.98	767.36	-	
32	MANHOLE, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	EJ 1050-Z1 M1 FHD	1008+79.89	23.4 LT	777.86	771.55	771.31	773.23	-	
33	CATCH BASINS, SPECIAL	EJ 7010-T1-M4	1008+80.00	10.1 RT	776.62	-	-	-	773.62	
34	CATCH BASINS, SPECIAL	EJ 7010-T1-M4	1008+80.00	11.9 LT	776.64	-	-	773.41	773.31	
35	MANHOLE, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	EJ 1050-Z1 M1 FHD	1009+97.11	23.6 LT	784.26	780.76	778.20	-	780.76	
36	CATCH BASINS, SPECIAL	EJ 6508	1009+97.11	28.5 LT	785.49	-	-	780.78	-	
37	CATCH BASINS, SPECIAL	EJ 7010-T1-M4	1010+25.00	6.7 RT	785.43	781.62	-	-	781.83	
38	CATCH BASINS, TYPE A, 4' DIAMETER	EJ 7010-T1-M4	1010+25.00	15.4 LT	785.37	-	781.52	781.62	-	
40	CATCH BASINS, SPECIAL	EJ 7010-T1-M4	1011+85.00	4.0 RT	794.99	-	-	-	791.99	
41	CATCH BASINS, TYPE A, 4' DIAMETER	EJ 7010-T1-M4	1011+85.00	17.9 LT	794.99	791.39	-	-	791.49	
42	MANHOLE, TYPE A, 6' DIAMETER, TYPE 1 FRAME, CLOSED LID	EJ 1050-Z1 M1 FHD	1012+24.45	23.2 LT						



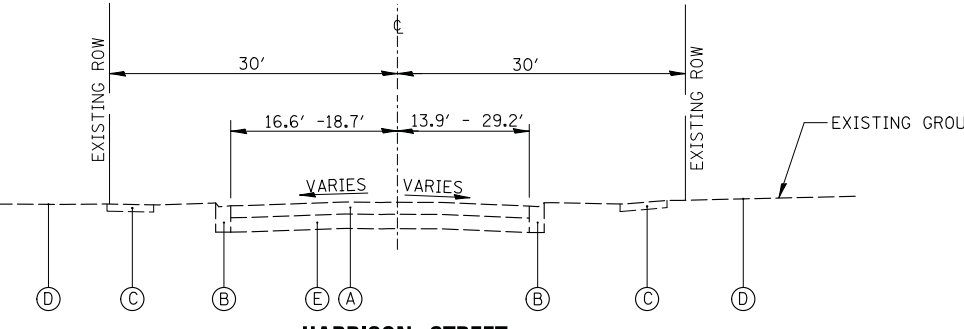
**HARRISON STREET
EXISTING CROSS SECTION**
STA. 100+03 TO STA. 107+32



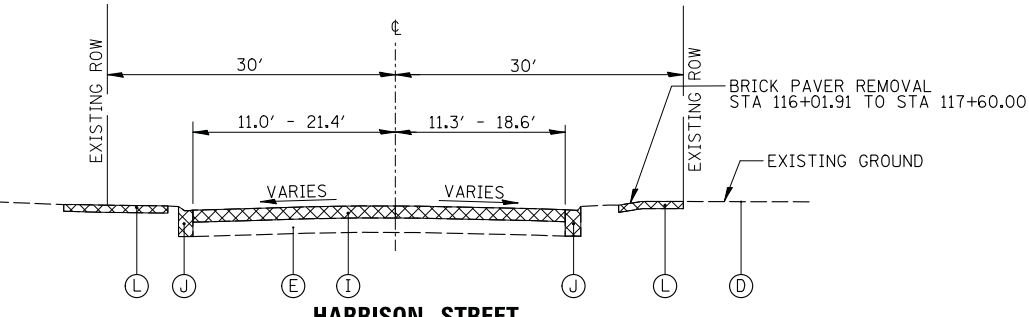
**HARRISON STREET
PROPOSED CROSS SECTION**
STA. 100+03 TO STA. 107+32



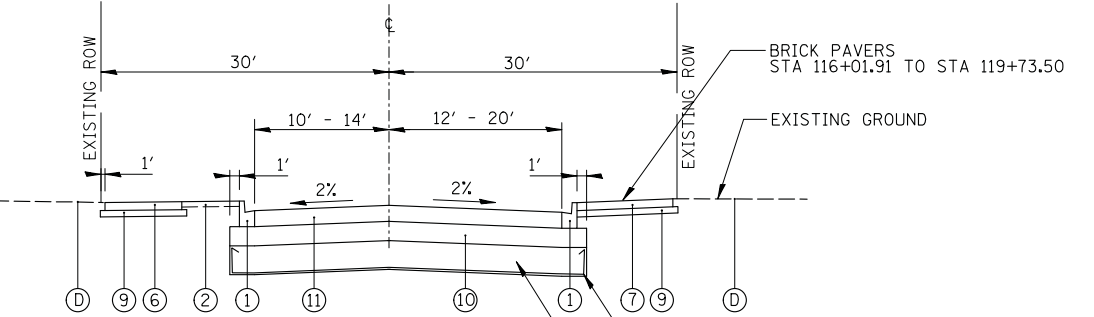
**HARRISON STREET
EXISTING CROSS SECTION**
STA. 107+32 TO STA. 115+81



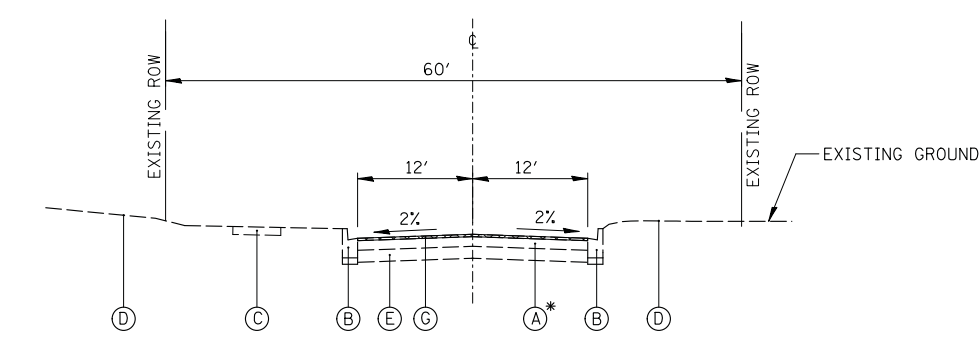
**HARRISON STREET
PROPOSED CROSS SECTION**
STA. 107+32 TO STA. 115+81



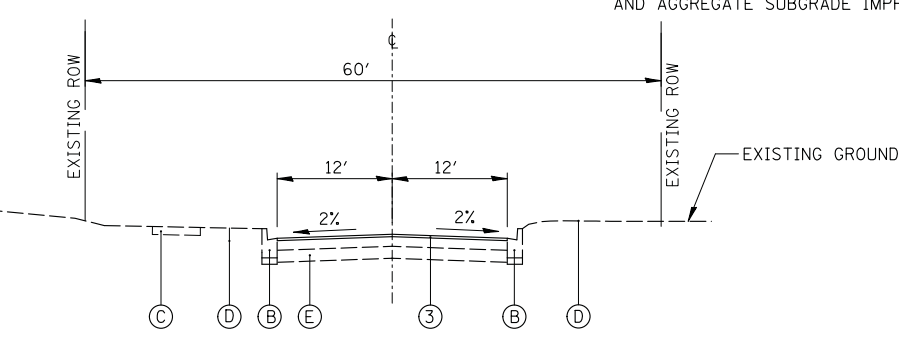
**HARRISON STREET
EXISTING CROSS SECTION**
STA. 116+01.91 TO STA. 130+27.73



**HARRISON STREET
PROPOSED CROSS SECTION**
STA. 116+01.91 TO STA. 130+27.73



**HARRISON STREET
EXISTING CROSS SECTION**
STA. 130+27.73 TO STA. 136+51.48



**HARRISON STREET
PROPOSED CROSS SECTION**
STA. 130+27.73 TO STA. 136+51.48

NOTES:
1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY SPECIAL PROVISIONS.
3. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

LEGEND

- (A) EXISTING PAVEMENT
- (B) EXISTING CONCRETE CURB AND GUTTER
- (C) EXISTING PCC SIDEWALK
- (D) EXISTING TOPSOIL AND SODDING
- (E) EXISTING STONE BASE
- (F) EXISTING PAVER BRICK SIDEWALK
- (G) HMA SURFACE REMOVAL, 1.5" (44000155)
- (H) HMA SURFACE REMOVAL, 4" (44000165)
- (I) PAVEMENT REMOVAL (44000100)
- (J) COMBINATION CURB AND GUTTER REMOVAL (44000500)
- (K) SIDEWALK REMOVAL (44000600)
- (L) BRICK SIDEWALK REMOVAL (X0326864)

REMOVAL ITEMS
* SEE SOIL BORINGS FOR PAVEMENT TYPES/THICKNESSES

- (1) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- (2) SEEDING, CLASS 2A (25000210)
- (3) HMA SURFACE COURSE, IL-9.5 MIX "D", N50, 1.5" (40604060)
- (4) HMA BINDER COURSE, IL-19.0, N50, 4.0" (40603080)
- (5) HMA BINDER COURSE, IL-19.0, N50, 8.5" (40603080)
- (6) PCC SIDEWALK, 5" (6" OR 8" @ DRIVEWAYS) (42400200)
- (7) BRICK SIDEWALK (X0326863)
- (8) HMA SURFACE COURSE, MIX "D", N50, 2" (40604060)
- (9) AGGREGATE BASE COURSE, TYPE B. 4" (35101600)
- (9a) AGGREGATE BASE COURSE, TYPE B. 6" (35101800)
- (10) AGGREGATE SUBGRADE, 12" (30300112)
- (11) PCC PAVEMENT, 10" (42000500)
- (12) RETAINING WALL (52200800)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ NDES
PAVEMENT RECONSTRUCTION (HARRISON ST)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 1.5"	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 4.0"	4% @ 50 GYR.
PAVEMENT RECONSTRUCTION (MAIN ST, CARY RD, ARROWHEAD DR, AND RIVERVIEW DR)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 1.5"	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 8.5"	4% @ 50 GYR.
PAVEMENT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 1.5"	4% @ 50 GYR.
HMA DRIVEWAY & PARKING LOT PAVEMENT	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 2.5"	4% @ 50 GYR.
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19 mm); 6"	4% @ 50 GYR.
TEMPORARY PAVEMENT	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 6"	4% @ 50 GYR.

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	PLOT DATE = 12/5/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

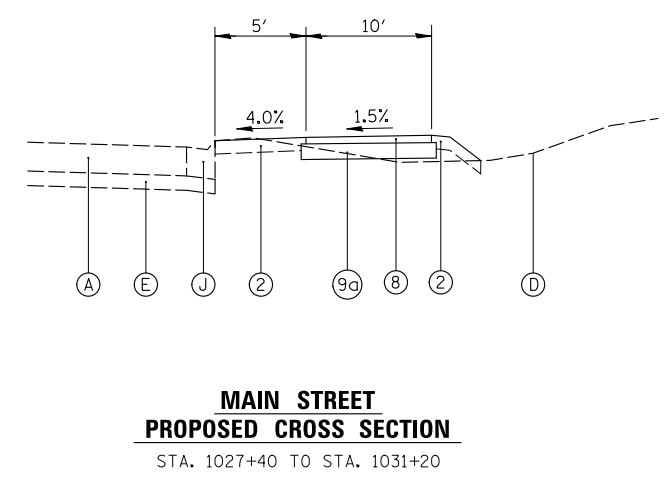
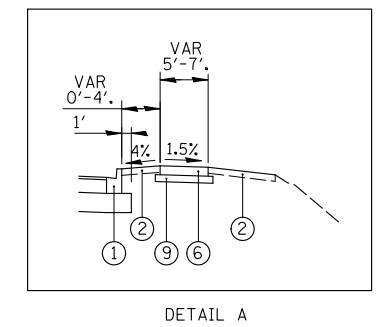
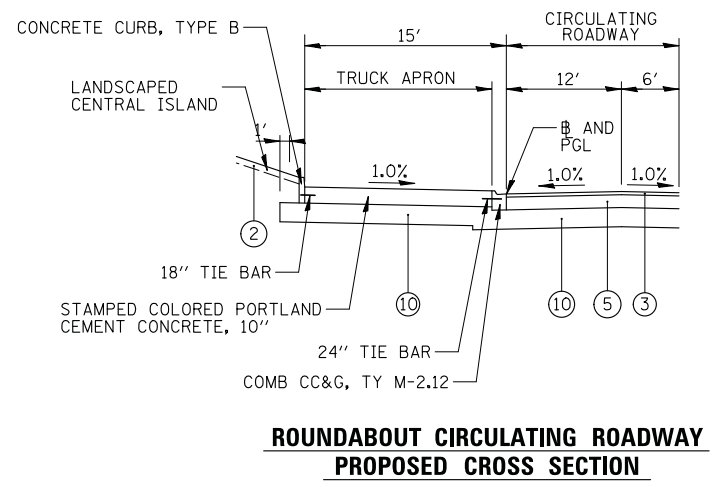
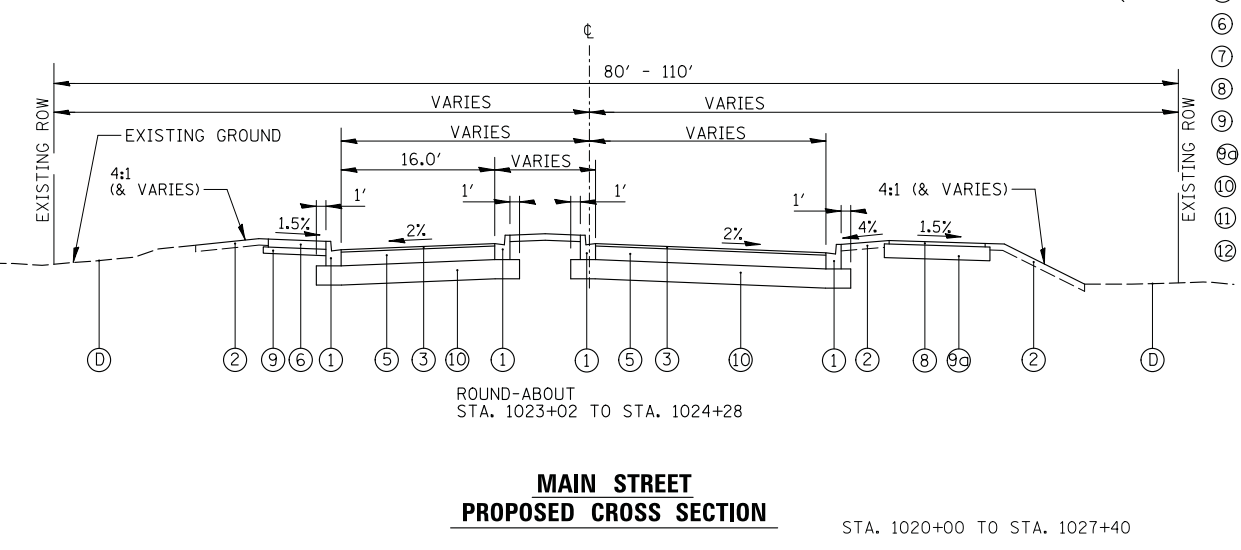
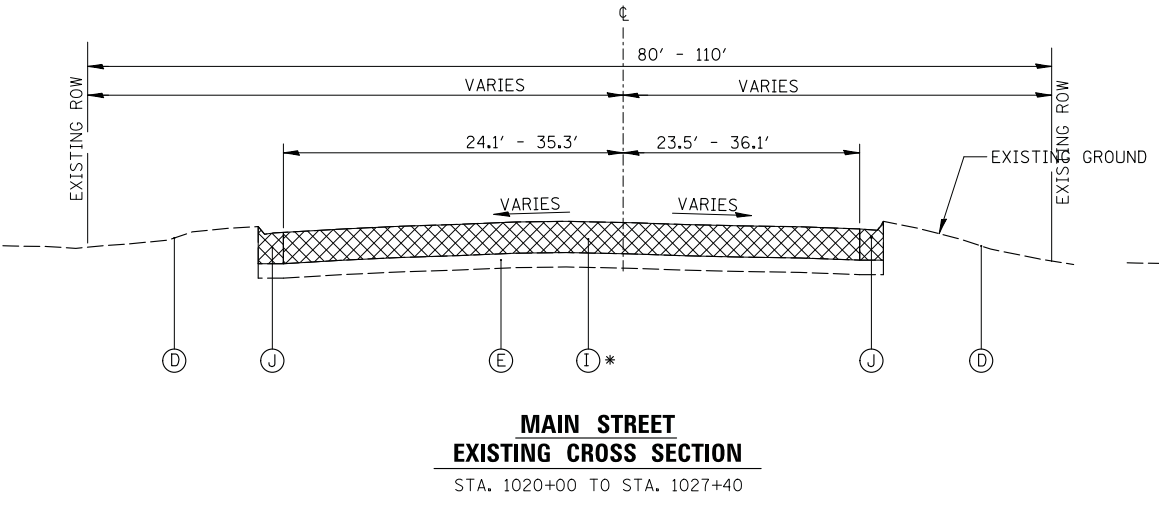
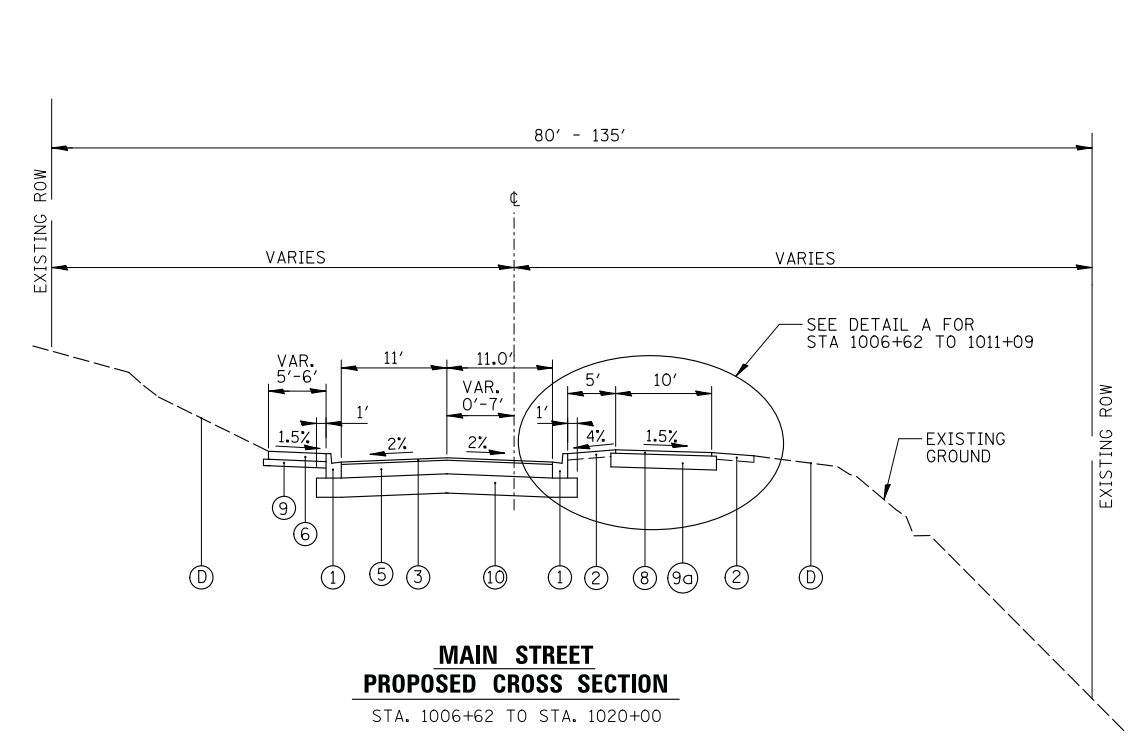
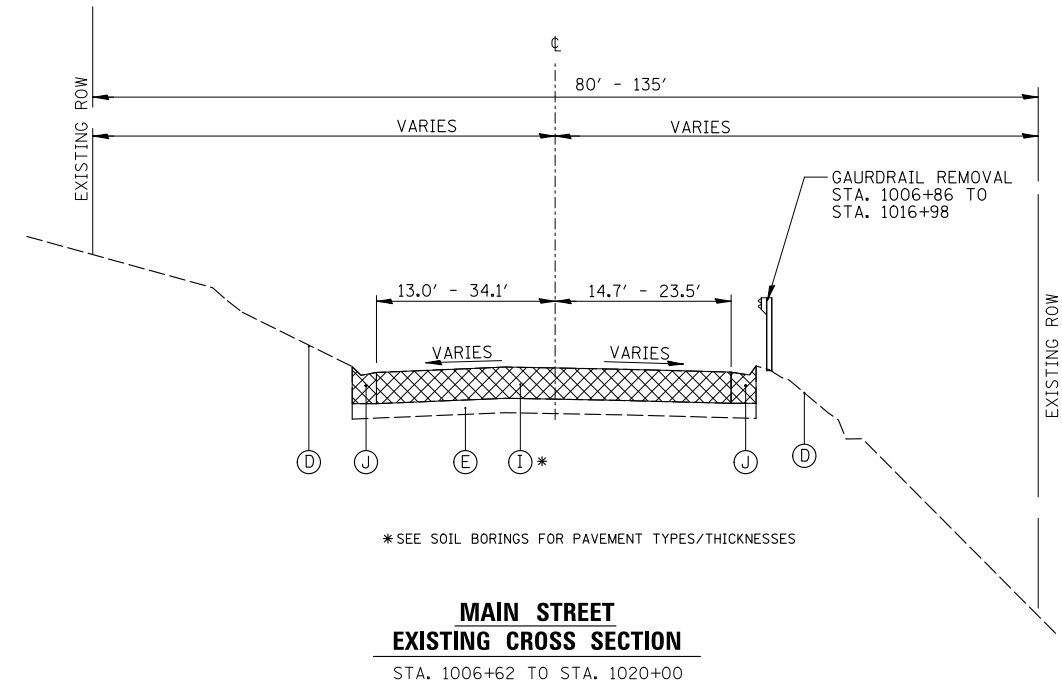
**STAGE 1D HARRISON STREET AND MAIN STREET
TYPICAL CROSS SECTIONS**

SCALE: \$ SHEET 13 OF 182 SHEETS STA. TO STA.

MUN. R.T.E. 4560/0145	SECTION 16-00090-02-PV	COUNTY MCHENRY	TOTAL SHEETS 182	SHEET NO. 13
			CONTRACT NO. 61G60	
ILLINOIS FED. AID PROJECT				

LEGEND

- (A) EXISTING PAVEMENT
 - (B) EXISTING CONCRETE CURB AND GUTTER
 - (C) EXISTING PCC SIDEWALK
 - (D) EXISTING TOPSOIL AND SODDING
 - (E) EXISTING STONE BASE
 - (F) EXISTING PAVER BRICK SIDEWALK
 - (G) HMA SURFACE REMOVAL, 1.5" (44000155)
 - (H) HMA SURFACE REMOVAL, 4" (44000165)
 - (I) PAVEMENT REMOVAL (44000100)
 - (J) COMBINATION CURB AND GUTTER REMOVAL (44000500)
 - (K) SIDEWALK REMOVAL (44000600)
 - (L) BRICK SIDEWALK REMOVAL (X0326864)
 - ☒ REMOVAL ITEMS
- * SEE SOIL BORINGS FOR PAVEMENT TYPES/THICKNESSES
- ① COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
 - ② SEEDING, CLASS 2A (25000210)
 - ③ HMA SURFACE COURSE, IL-9.5 MIX "D", N50, 1.5" (40604060)
 - ④ HMA BINDER COURSE, IL-19.0, N50, 4.0" (40603080)
 - ⑤ HMA BINDER COURSE, IL-19.0, N50, 8.5" (40603080)
 - ⑥ PCC SIDEWALK, 5" (6" OR 8" @ DRIVEWAYS) (42400200)
 - ⑦ BRICK SIDEWALK (X0326863)
 - ⑧ HMA SURFACE COURSE, MIX "D", N50, 2" (40604060)
 - ⑨ AGGREGATE BASE COURSE, TYPE B. 4" (35101600)
 - ⑨a AGGREGATE BASE COURSE, TYPE B. 6" (35101800)
 - ⑩ AGGREGATE SUBGRADE, 12" (30300112)
 - ⑪ PCC PAVEMENT, 10" (42000500)
 - ⑫ RETAINING WALL (52200800)



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PLOT DATE = 12/5/2020	DATE -		REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

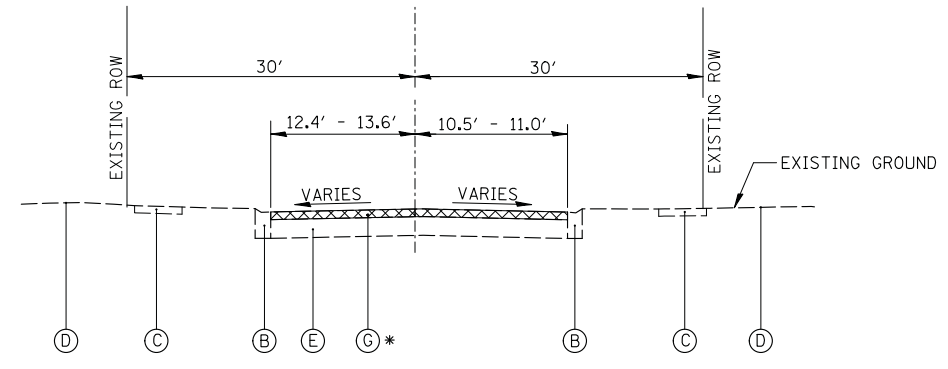
STAGE 1D HARRISON STREET AND MAIN STREET TYPICAL CROSS SECTIONS			
SCALE: \$	SHEET	OF SHEETS	STA. TO STA.

MUN. RTE. 4560/0145	SECTION 16-00090-02-PV	COUNTY MCHENRY	TOTAL SHEETS 182	SHEET NO. 14
			CONTRACT NO. 61G60	
ILLINOIS FED. AID PROJECT				

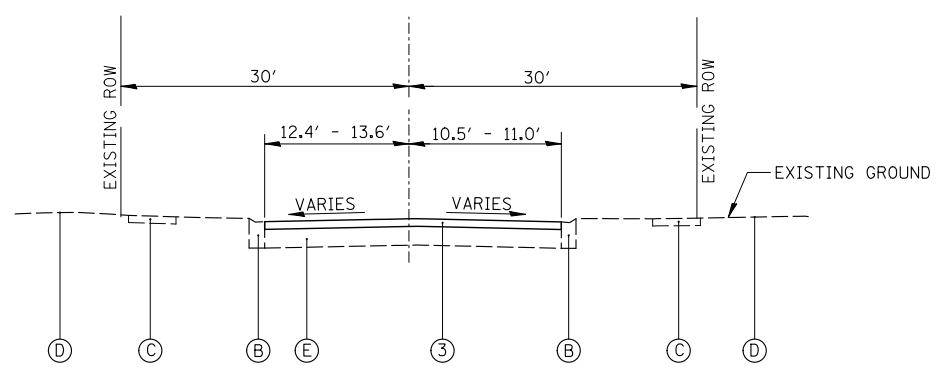
LEGEND

- (A) EXISTING PAVEMENT
- (B) EXISTING CONCRETE CURB AND GUTTER
- (C) EXISTING PCC SIDEWALK
- (D) EXISTING TOPSOIL AND SODDING
- (E) EXISTING STONE BASE
- (F) EXISTING PAVER BRICK SIDEWALK
- (G) HMA SURFACE REMOVAL, 1.5" (44000155)
- (H) HMA SURFACE REMOVAL, 4" (44000165)
- (I) PAVEMENT REMOVAL (44000100)
- (J) COMBINATION CURB AND GUTTER REMOVAL (44000500)
- (K) SIDEWALK REMOVAL (44000600)
- (L) BRICK SIDEWALK REMOVAL (X0326864)
- ☒ REMOVAL ITEMS
- * SEE SOIL BORINGS FOR PAVEMENT TYPES/THICKNESSES

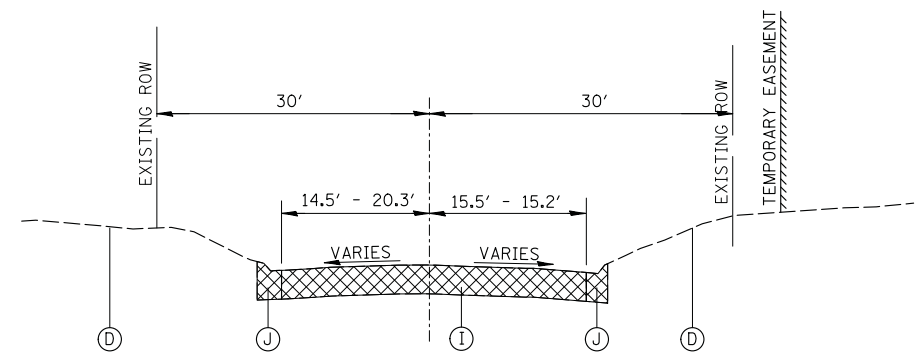
- (1) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- (2) SEEDING, CLASS 2A (25000210)
- (3) HMA SURFACE COURSE, IL-9.5 MIX "D", N50, 1.5" (40604060)
- (4) HMA BINDER COURSE, IL-19.0, N50, 4.0" (40603080)
- (5) HMA BINDER COURSE, IL-19.0, N50, 8.5" (40603080)
- (6) PCC SIDEWALK, 5" (6" OR 8" @ DRIVEWAYS) (42400200)
- (7) BRICK SIDEWALK (X0326863)
- (8) HMA SURFACE COURSE, MIX "D", N50, 2" (40604060)
- (9) AGGREGATE BASE COURSE, TYPE B. 4" (35101600)
- (9a) AGGREGATE BASE COURSE, TYPE B. 6" (35101800)
- (10) AGGREGATE SUBGRADE, 12" (30300112)
- (11) PCC PAVEMENT, 10" (42000500)
- (12) RETAINING WALL (52200800)



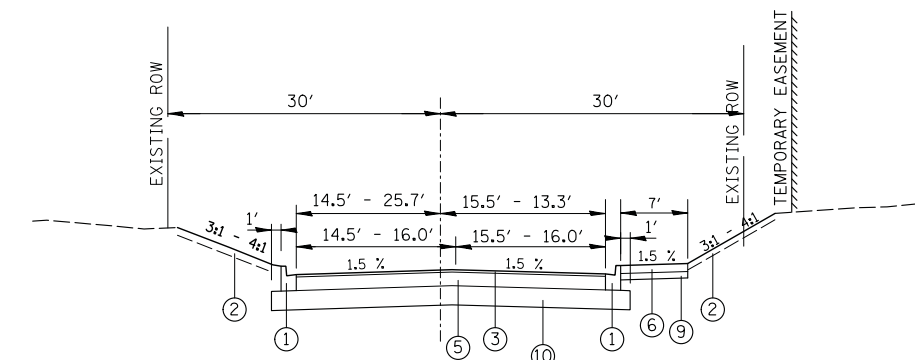
**PARK STREET
EXISTING CROSS SECTION**
STA. 10+10 TO STA. 13+86



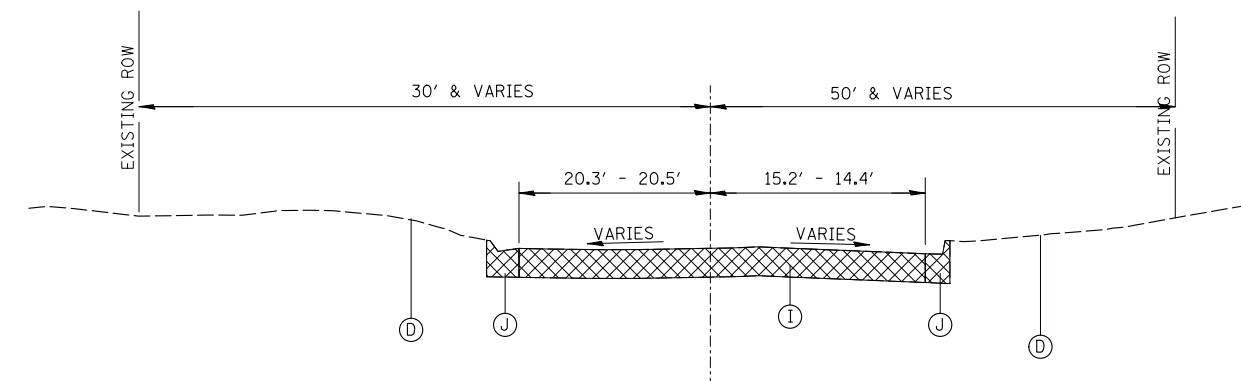
**PARK STREET
PROPOSED CROSS SECTION**
STA. 10+10 TO STA. 13+86



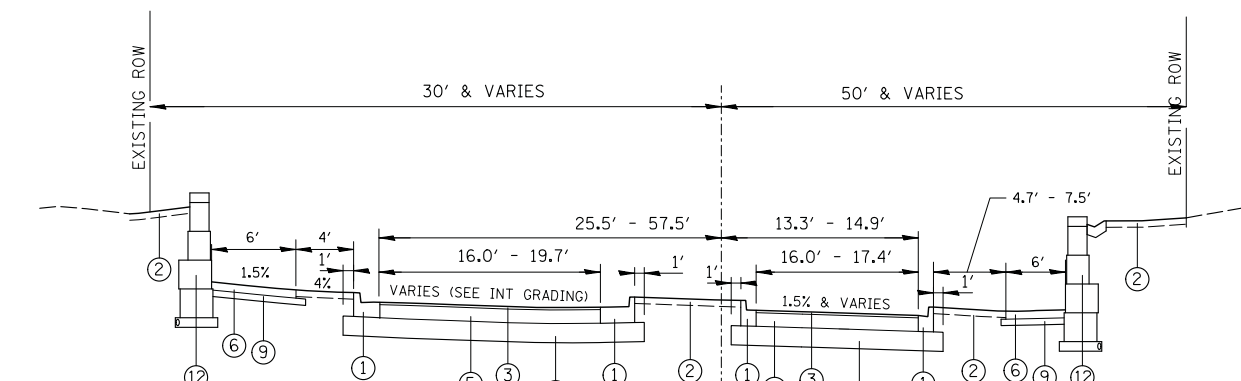
**ARROWHEAD DRIVE
EXISTING CROSS SECTION**
STA. 2000+61 TO STA. 2002+08



**ARROWHEAD DRIVE
PROPOSED CROSS SECTION**
STA. 2000+61 TO STA. 2002+08



**ARROWHEAD DRIVE
EXISTING CROSS SECTION**
STA. 2002+08 TO STA. 2002+62



**ARROWHEAD DRIVE
PROPOSED CROSS SECTION**
STA. 2002+08 TO STA. 2002+62

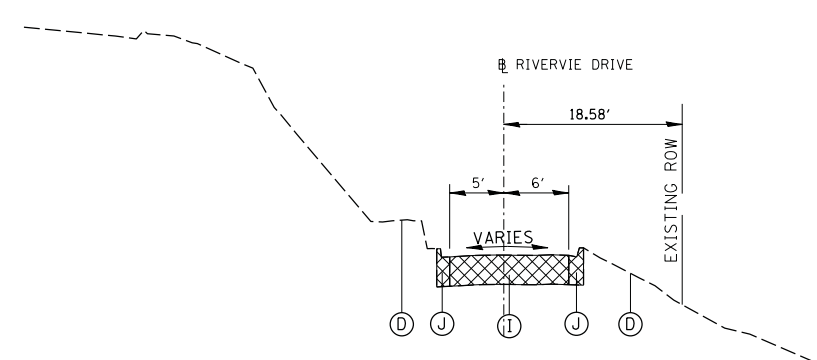
LEGEND

- (A) EXISTING PAVEMENT
- (B) EXISTING CONCRETE CURB AND GUTTER
- (C) EXISTING PCC SIDEWALK
- (D) EXISTING TOPSOIL AND SODDING
- (E) EXISTING STONE BASE
- (F) EXISTING PAVER BRICK SIDEWALK
- (G) HMA SURFACE REMOVAL, 1.5" (44000155)
- (H) HMA SURFACE REMOVAL, 4" (44000165)
- (I) PAVEMENT REMOVAL (44000100)
- (J) COMBINATION CURB AND GUTTER REMOVAL (44000500)
- (K) SIDEWALK REMOVAL (44000600)
- (L) BRICK SIDEWALK REMOVAL (X0326864)

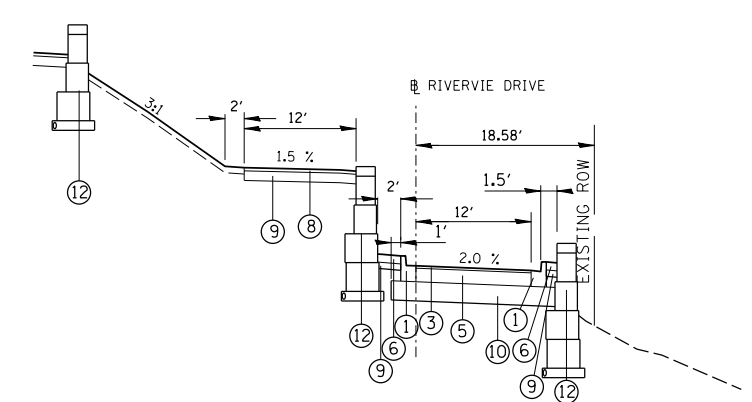
☒ REMOVAL ITEMS

* SEE SOIL BORINGS FOR PAVEMENT TYPES/THICKNESSES

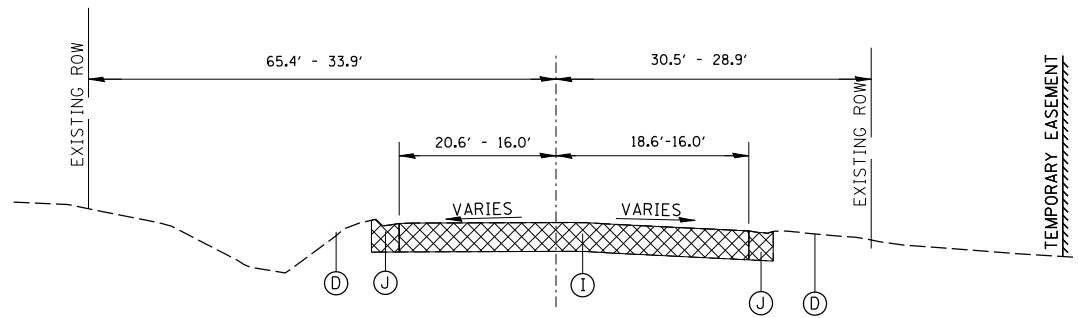
- (1) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- (2) SEEDING, CLASS 2A (25000210)
- (3) HMA SURFACE COURSE, IL-9.5 MIX "D", N50, 1.5" (40604060)
- (4) HMA BINDER COURSE, IL-19.0, N50, 4.0" (40603080)
- (5) HMA BINDER COURSE, IL-19.0, N50, 8.5" (40603080)
- (6) PCC SIDEWALK, 5" (6" OR 8" @ DRIVEWAYS) (42400200)
- (7) BRICK SIDEWALK (X0326863)
- (8) HMA SURFACE COURSE, MIX "D", N50, 2" (40604060)
- (9) AGGREGATE BASE COURSE, TYPE B. 4" (35101600)
- (10) AGGREGATE BASE COURSE, TYPE B. 6" (35101800)
- (11) PCC PAVEMENT, 10" (42000500)
- (12) RETAINING WALL (52200800)



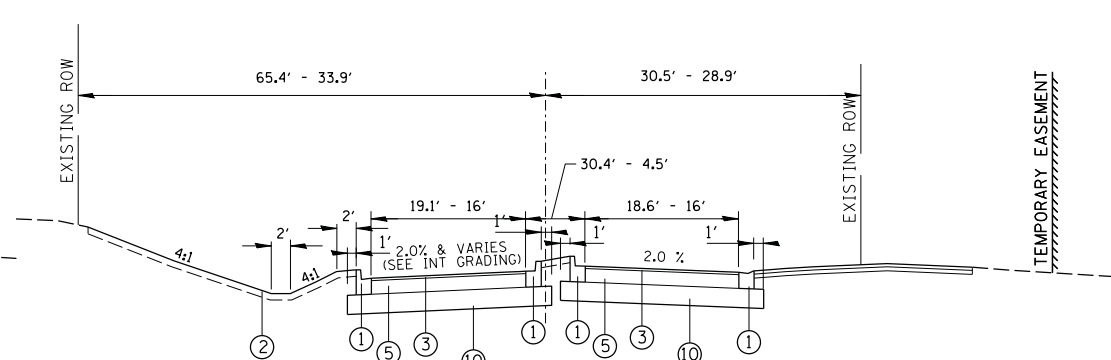
**RIVERVIEW DRIVE
EXISTING CROSS SECTION**
STA. 4000+21 TO STA. 4001+97



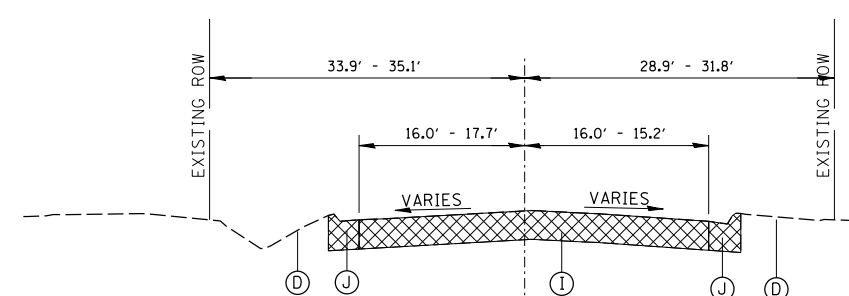
**RIVERVIEW DRIVE
PROPOSED CROSS SECTION**
STA. 4000+21 TO STA. 4001+97



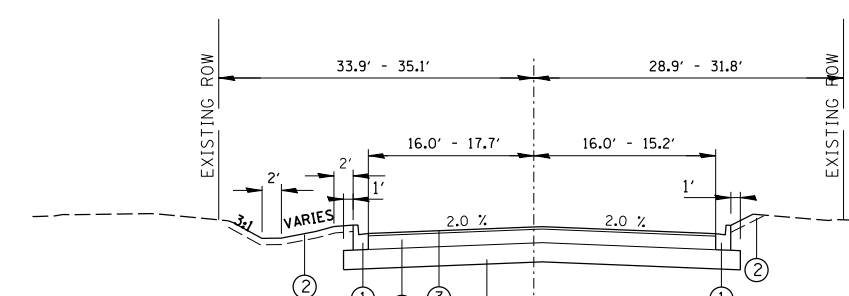
**CARY ROAD
EXISTING CROSS SECTION**
STA. 3004+74 TO STA. 3001+83



**CARY ROAD
PROPOSED CROSS SECTION**
STA. 3000+74 TO STA. 3001+83



**CARY ROAD
EXISTING CROSS SECTION**
STA. 3001+83 TO STA. 3002+70



**CARY ROAD
PROPOSED CROSS SECTION**
STA. 3001+83 TO STA. 3002+70

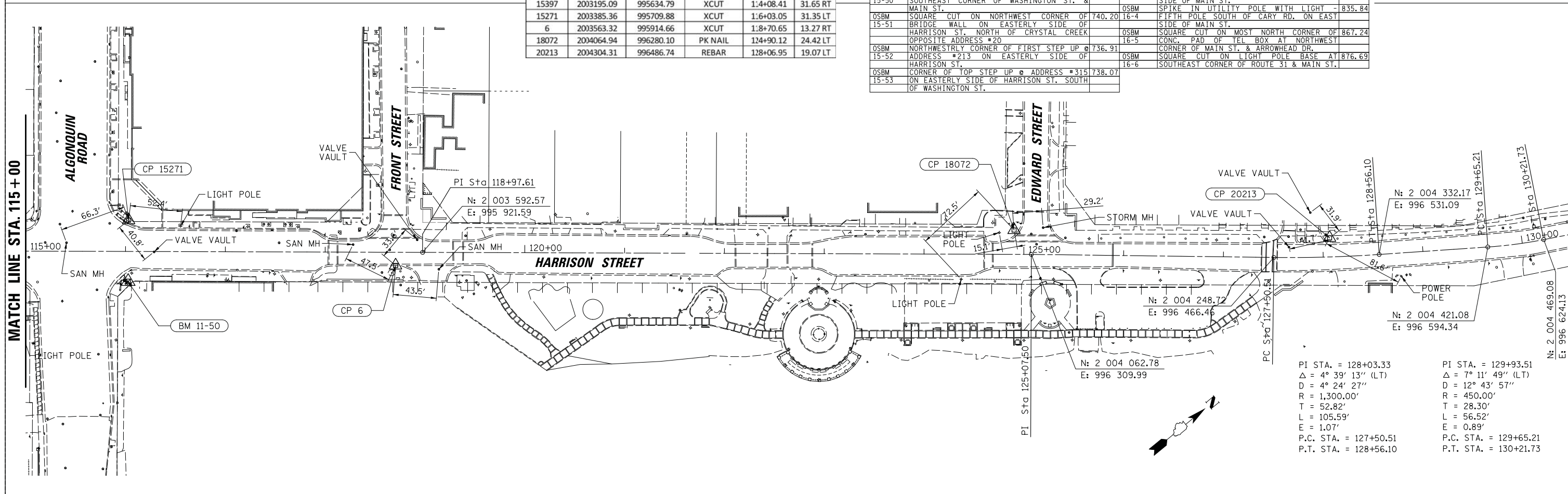
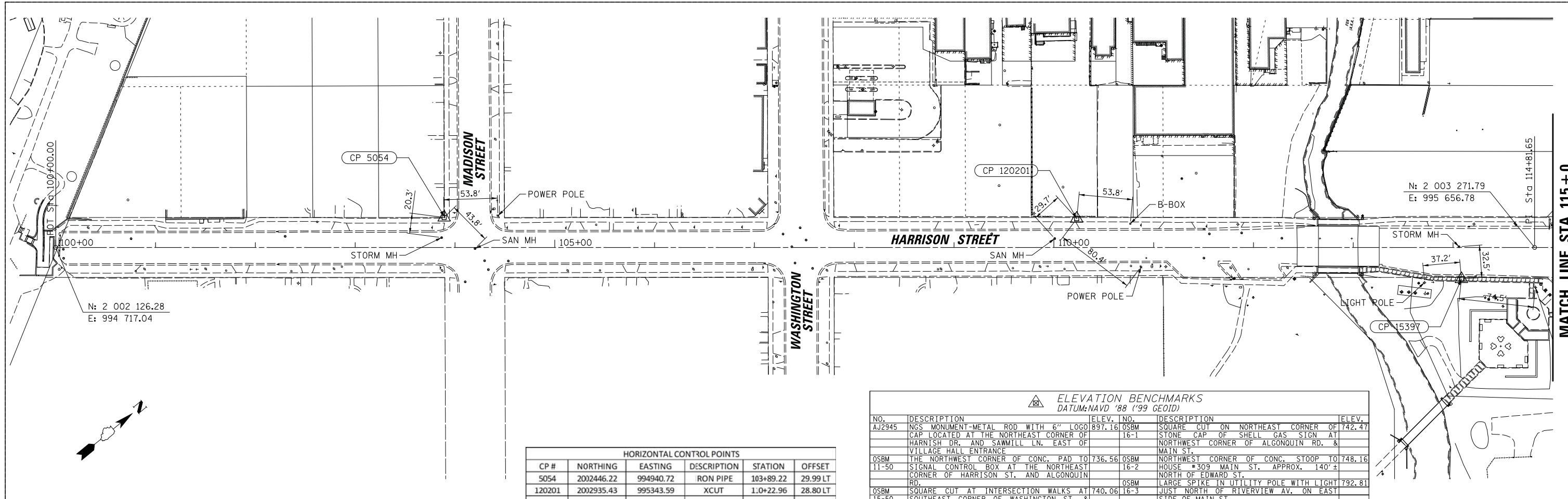
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE 1D HARRISON STREET AND MAIN STREET
TYPICAL CROSS SECTIONS**

SCALE: \$ SHEET OF SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4560/0145	16-00090-02-PV	MCHENRY	182	16
			CONTRACT NO. 61G60	
ILLINOIS FED. AID PROJECT				



HORIZONTAL CONTROL POINTS					
CP #	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
5054	2002446.22	994940.72	RON PIPE	103+89.22	29.99 LT
120201	2002935.43	995343.59	XCUT	1.0+22.96	28.80 LT
15397	2003195.09	995634.79	XCUT	1.4+08.41	31.65 RT
15271	2003385.36	995709.88	XCUT	1.6+03.05	31.35 LT
6	2003563.32	995914.66	XCUT	1.8+70.65	13.27 RT
18072	2004064.94	996280.10	PK NAIL	124+90.12	24.42 LT
20213	2004304.31	996486.74	REBAR	128+06.95	19.07 LT

ELEVATION BENCHMARKS DATUM: NAVD '88 ('99 GEOID)					
NO.	DESCRIPTION	ELEV.	NO.	DESCRIPTION	ELEV.
AJ2945	NGS MONUMENT-METAL ROD WITH 6" LOGO CAP LOCATED AT THE NORTHWEST CORNER OF HARNISH DR. AND SAWMILL LN. EAST OF VILLAGE HALL ENTRANCE	897.16	OSBM	SQUARE CUT ON NORTHEAST CORNER OF SHELL GAS SIGN AT NORTHWEST CORNER OF ALGONQUIN RD. & MAIN ST.	742.47
OSBM	THE NORTHWEST CORNER OF CONC. PAD TO THE NORTHWEST CORNER OF HARRISON ST. AND ALGONQUIN RD.	736.56	OSBM	NORTHWEST CORNER OF CONC. STOOP TO HOUSE #309 MAIN ST. APPROX. 140' ± NORTH OF EDWARD ST.	748.16
OSBM	SQUARE CUT AT INTERSECTION WALKS AT SOUTHEAST CORNER OF WASHINGTON ST. & MAIN ST.	740.06	OSBM	LARGE SPIKE IN UTILITY POLE WITH LIGHT JUST NORTH OF RIVERVIEW AV. ON EAST SIDE OF MAIN ST.	792.81
OSBM	SQUARE CUT ON NORTHWEST CORNER OF BRIDGE WALL ON EASTERLY SIDE OF HARRISON ST. NORTH OF CRYSTAL CREEK OPPOSITE ADDRESS #20	740.20	OSBM	SPIKE IN UTILITY POLE WITH LIGHT FIFTH POLE SOUTH OF CARY RD. ON EAST SIDE OF MAIN ST.	835.84
OSBM	NORTHWESTLY CORNER OF FIRST STEP UP @ ADDRESS #213 ON EASTERLY SIDE OF HARRISON ST.	736.91	OSBM	SQUARE CUT ON MOST NORTH CORNER OF CONC. PAD OF TEL BOX AT NORTHWEST CORNER OF MAIN ST. & ARROWHEAD DR.	867.24
OSBM	CORNER OF TOP STEP UP @ ADDRESS #315 ON EASTERLY SIDE OF HARRISON ST. SOUTH OF WASHINGTON ST.	738.07	OSBM	SQUARE CUT ON LIGHT POLE BASE AT SOUTHEAST CORNER OF ROUTE 31 & MAIN ST.	876.69

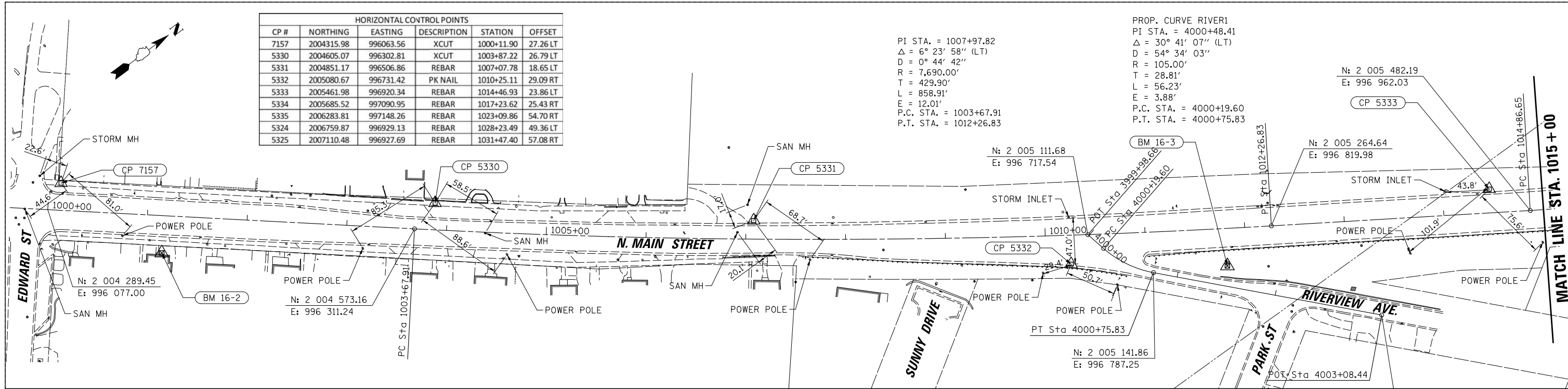
PI STA. = 128+03.33
 $\Delta = 4^\circ 39' 13''$ (LT)
 $D = 4^\circ 24' 27''$
 $R = 1,300.00'$
 $T = 52.82'$
 $L = 105.59'$
 $E = 1.07'$
 P.C. STA. = 127+50.51
 P.T. STA. = 128+56.10

PI STA. = 129+93.51
 $\Delta = 7^\circ 11' 49''$ (LT)
 $D = 12^\circ 43' 57''$
 $R = 450.00'$
 $T = 28.30'$
 $L = 56.52'$
 $E = 0.89'$
 P.C. STA. = 129+65.21
 P.T. STA. = 130+21.73

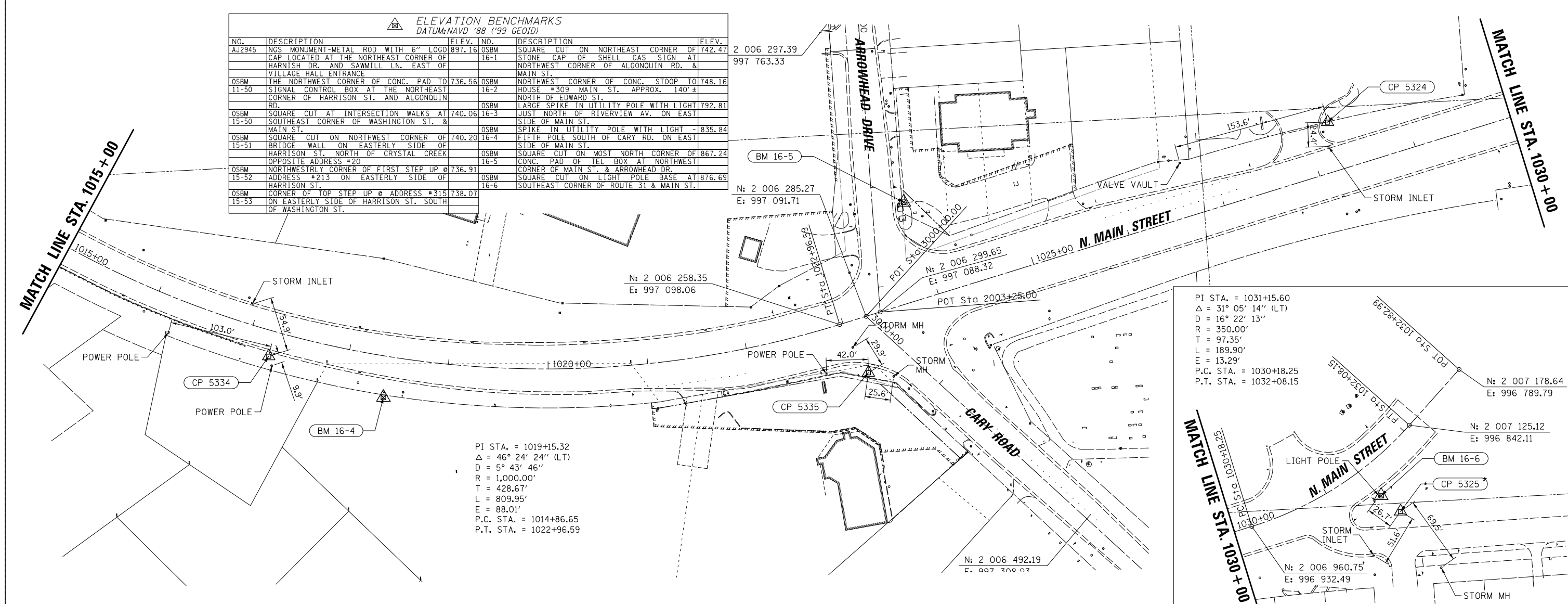
HORIZONTAL CONTROL POINTS					
CP #	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
7157	2004315.98	996063.56	XCUT	1000+11.90	27.26 LT
5330	2004605.07	996302.81	XCUT	1003+87.22	26.79 LT
5331	2004851.17	996506.86	REBAR	1007+07.78	18.65 LT
5332	2005080.67	996731.42	PK NAIL	1010+25.11	29.09 RT
5333	2005461.98	996920.34	REBAR	1014+46.93	23.86 LT
5334	2005685.52	997090.95	REBAR	1017+23.62	25.43 RT
5335	2006283.81	997148.26	REBAR	1023+09.86	54.70 RT
5324	2006759.87	996929.13	REBAR	1028+23.49	49.36 LT
5325	2007110.48	996927.69	REBAR	1031+47.40	57.08 RT

PI STA. = 1007+97.82
 $\Delta = 6^\circ 23' 58''$ (LT)
 $D = 0^\circ 44' 42''$
 $R = 7,690.00'$
 $T = 429.90'$
 $L = 858.91'$
 $E = 12.01'$
P.C. STA. = 1003+67.91
P.T. STA. = 1012+26.83

PROP. CURVE RIVER1
PI STA. = 4000+48.41
 $\Delta = 30^\circ 41' 07''$ (LT)
 $D = 54^\circ 34' 03''$
 $R = 105.00'$
 $T = 28.81'$
 $L = 56.23'$
 $E = 3.88'$
P.C. STA. = 4000+19.60
P.T. STA. = 4000+75.83



ELEVATION BENCHMARKS DATUM: NAVD '88 ('99 GEOID)					
NO.	DESCRIPTION	ELEV.	NO.	DESCRIPTION	ELEV.
AJ2945	NGS MONUMENT-METAL ROD WITH 6" LOGO CAP LOCATED AT THE NORTHEAST CORNER OF HARNISH DR. AND SAWMILL LN. EAST OF VILLAGE HALL ENTRANCE	897.16	OSBM	SQUARE CUT ON NORTHEAST CORNER OF STONE CAP OF SHELL GAS SIGN AT NORTHWEST CORNER OF ALGONQUIN RD. & MAIN ST.	742.47
OSBM 11-50	THE NORTHWEST CORNER OF CONC. PAD TO SIGNAL CONTROL BOX AT THE NORTHEAST CORNER OF HARRISON ST. AND ALGONQUIN RD.	736.56	OSBM 16-2	NORTHWEST CORNER OF CONC. STOOP TO HOUSE #309 MAIN ST. APPROX. 140'± NORTH OF EDWARD ST.	748.16
OSBM 15-50	SQUARE CUT AT INTERSECTION WALKS AT SOUTHEAST CORNER OF WASHINGTON ST. & MAIN ST.	740.06	OSBM 16-3	LARGE SPIKE IN UTILITY POLE WITH LIGHT JUST NORTH OF RIVERVIEW AV. ON EAST SIDE OF MAIN ST.	792.81
OSBM 15-51	SQUARE CUT ON NORTHWEST CORNER OF BRIDGE WALL ON EASTERLY SIDE OF HARRISON ST. NORTH OF CRYSTAL CREEK OPPOSITE ADDRESS #20	740.20	OSBM 16-4	SPIKE IN UTILITY POLE WITH LIGHT FIFTH POLE SOUTH OF CARY RD. ON EAST SIDE OF MAIN ST.	835.84
OSBM 15-52	NORTHWESTLY CORNER OF FIRST STEP UP @ ADDRESS #213 ON EASTERLY SIDE OF HARRISON ST.	736.91	OSBM 16-5	SQUARE CUT ON MOST NORTH CORNER OF CONC. PAD OF TEL BOX AT NORTHWEST CORNER OF MAIN ST. & ARROWHEAD DR.	867.24
OSBM 15-53	CORNER OF TOP STEP UP @ ADDRESS #315 ON EASTERLY SIDE OF HARRISON ST. SOUTH OF WASHINGTON ST.	738.07	OSBM 16-6	SQUARE CUT ON LIGHT POLE BASE AT SOUTHEAST CORNER OF ROUTE 31 & MAIN ST.	876.69



PI STA. = 1019+15.32
 $\Delta = 46^\circ 24' 24''$ (LT)
 $D = 5^\circ 43' 46''$
 $R = 1,000.00'$
 $T = 428.67'$
 $L = 809.95'$
 $E = 88.01'$
P.C. STA. = 1014+86.65
P.T. STA. = 1022+96.59

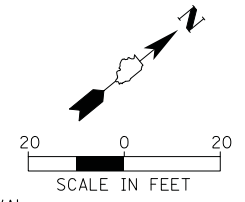
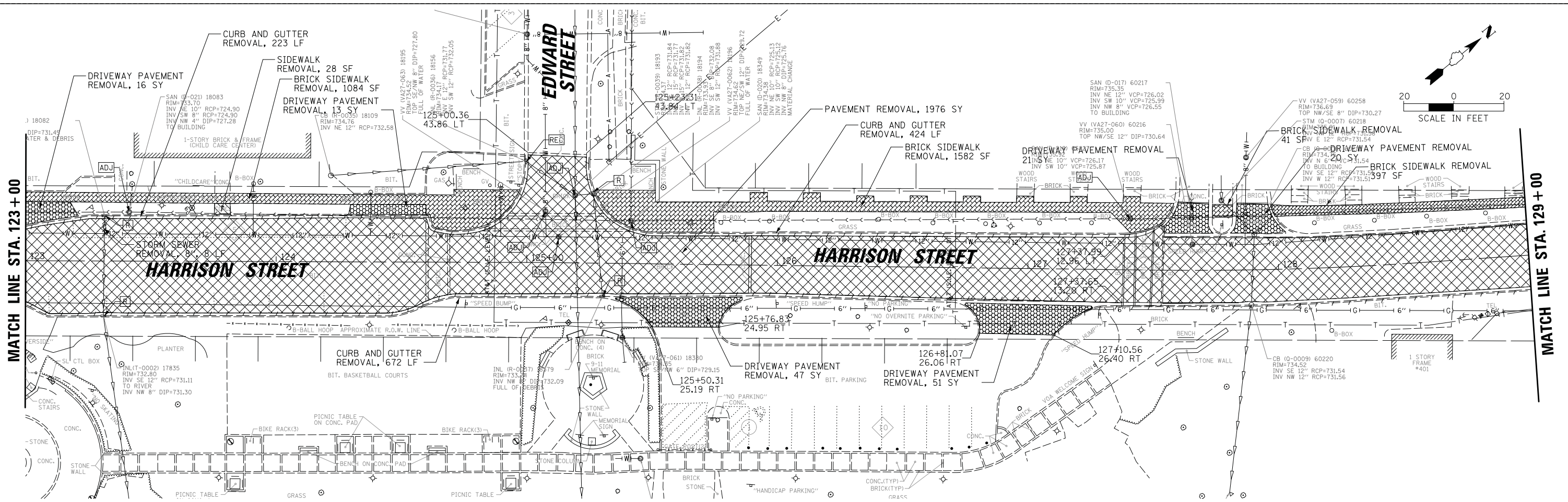
PI STA. = 1031+15.60
 $\Delta = 31^\circ 05' 14''$ (LT)
 $D = 16^\circ 22' 13''$
 $R = 350.00'$
 $T = 97.35'$
 $L = 189.90'$
 $E = 13.29'$
P.C. STA. = 1030+18.25
P.T. STA. = 1032+08.15

FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -
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	PLOT DATE = 12/5/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

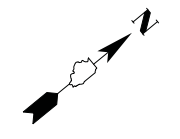
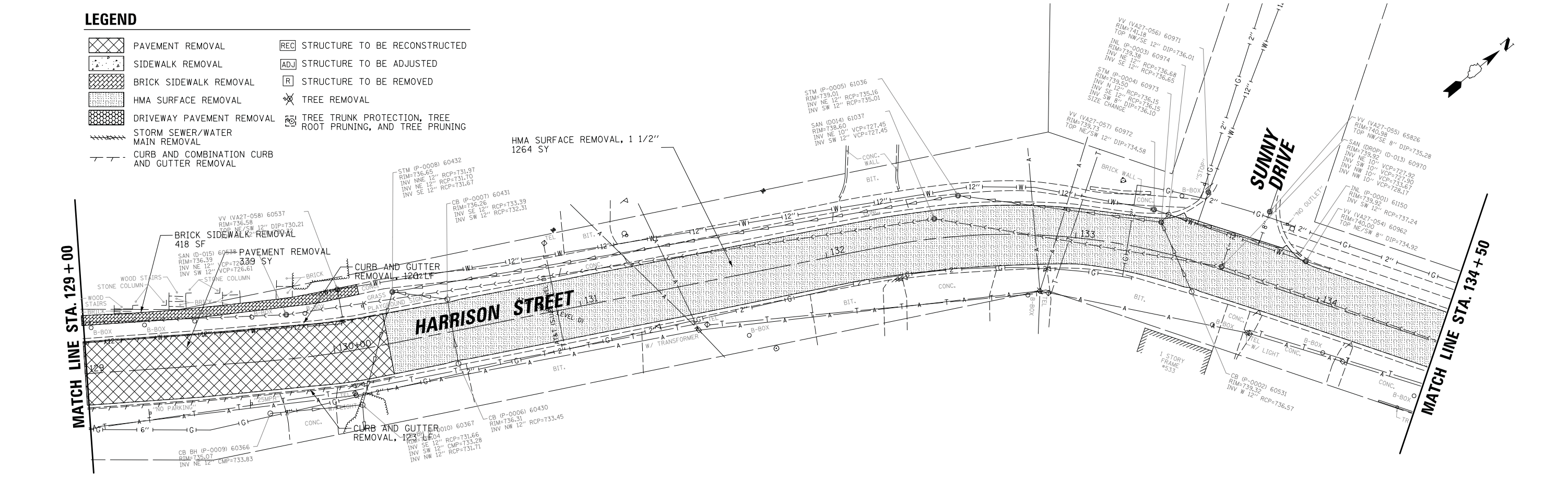
STAGE 1D HARRISON STREET AND MAIN STREET ALIGNMENT, TIES & BENCHMARKS			
SCALE: \$SCALE\$	SHEET	OF SHEETS	STA. TO STA.

MUN. R.T.E. 4560/0145	SECTION 16-00090-02-PV	COUNTY MCHENRY	TOTAL SHEETS 182	SHEET NO. 18
CONTRACT NO. 61G60				ILLINOIS FED. AID PROJECT



LEGEND

	PAVEMENT REMOVAL		STRUCTURE TO BE RECONSTRUCTED
	SIDEWALK REMOVAL		STRUCTURE TO BE ADJUSTED
	BRICK SIDEWALK REMOVAL		STRUCTURE TO BE REMOVED
	HMA SURFACE REMOVAL		TREE REMOVAL
	DRIVEWAY PAVEMENT REMOVAL		TREE TRUNK PROTECTION, TREE ROOT PRUNING, AND TREE PRUNING
	STORM SEWER/WATER MAIN REMOVAL		
	CURB AND COMBINATION CURB AND GUTTER REMOVAL		



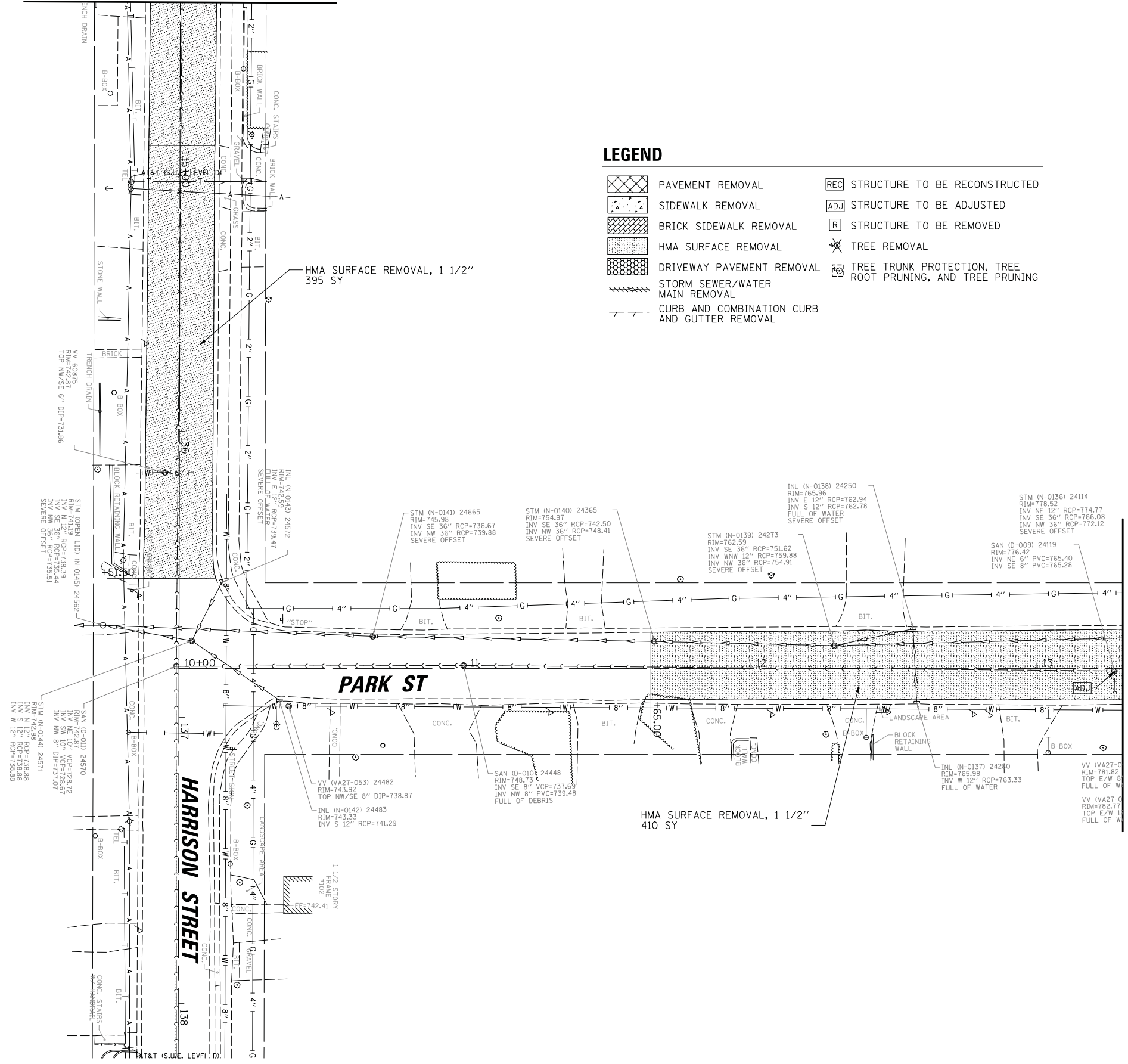
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PLOT SCALE = 28'	PLOT DATE = 12/5/2020	DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1D HARRISON STREET AND MAIN STREET HARRISON STREET EXISTING CONDITIONS AND REMOVAL PLAN			
SCALE: \$SCALE\$	SHEET	OF SHEETS	STA. TO STA.

MUN. R.T.E. 4660/0145	SECTION 16-00090-02-PV	COUNTY MCHENRY	TOTAL SHEETS 182	SHEET NO. 21
ILLINOIS FED. AID PROJECT				CONTRACT NO. 61G60

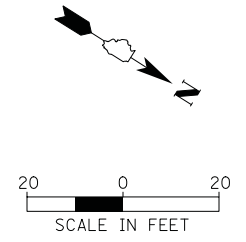
MATCH LINE STA. 134 + 50



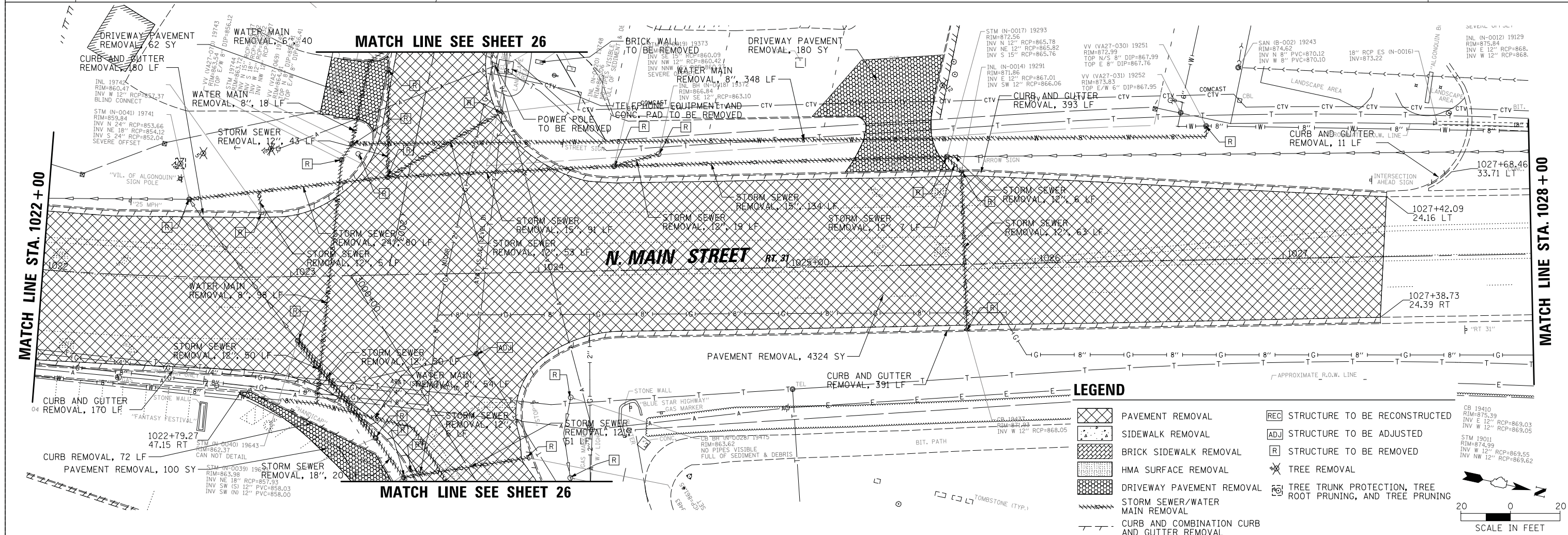
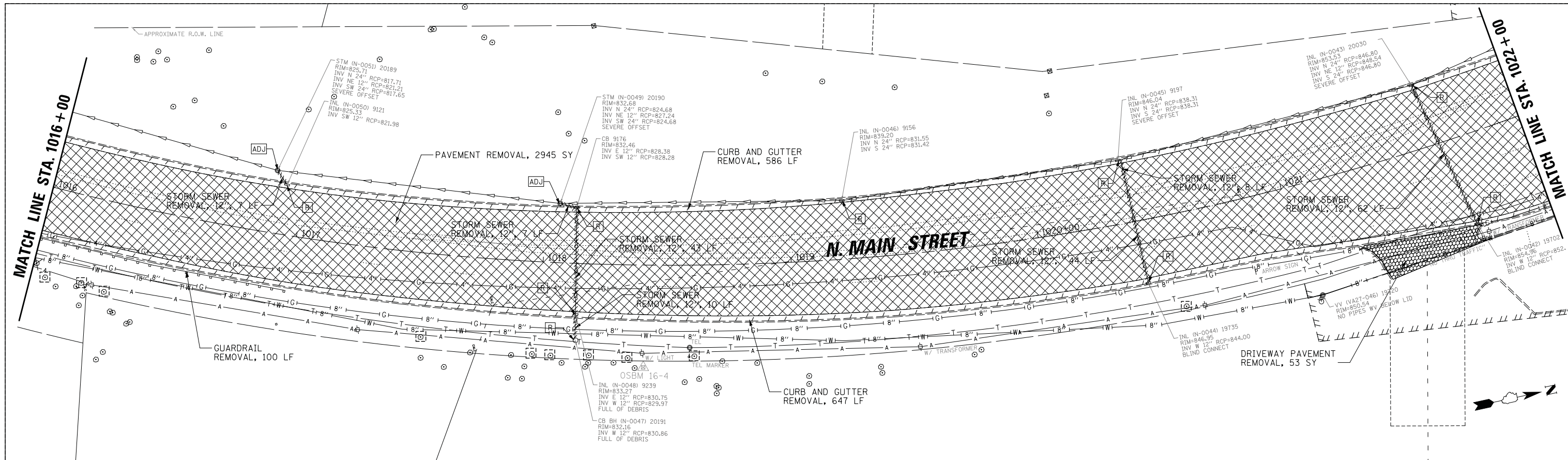
LEGEND

- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- BRICK SIDEWALK REMOVAL
- HMA SURFACE REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- STORM SEWER/WATER MAIN REMOVAL
- CURB AND COMBINATION CURB AND GUTTER REMOVAL
- STRUCTURE TO BE RECONSTRUCTED
- STRUCTURE TO BE ADJUSTED
- STRUCTURE TO BE REMOVED
- TREE REMOVAL
- TREE TRUNK PROTECTION, TREE ROOT PRUNING, AND TREE PRUNING

MATCH LINE STA. 13 + 30



FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1D HARRISON STREET AND MAIN STREET HARRISON & PARK STREET EXISTING CONDITIONS AND REMOVAL PLAN			MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default		PLOT SCALE = 28'	CHECKED -		REVISED -	SCALE: \$SCALE\$	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				
		PLOT DATE = 12/5/2020	DATE -		REVISED -								

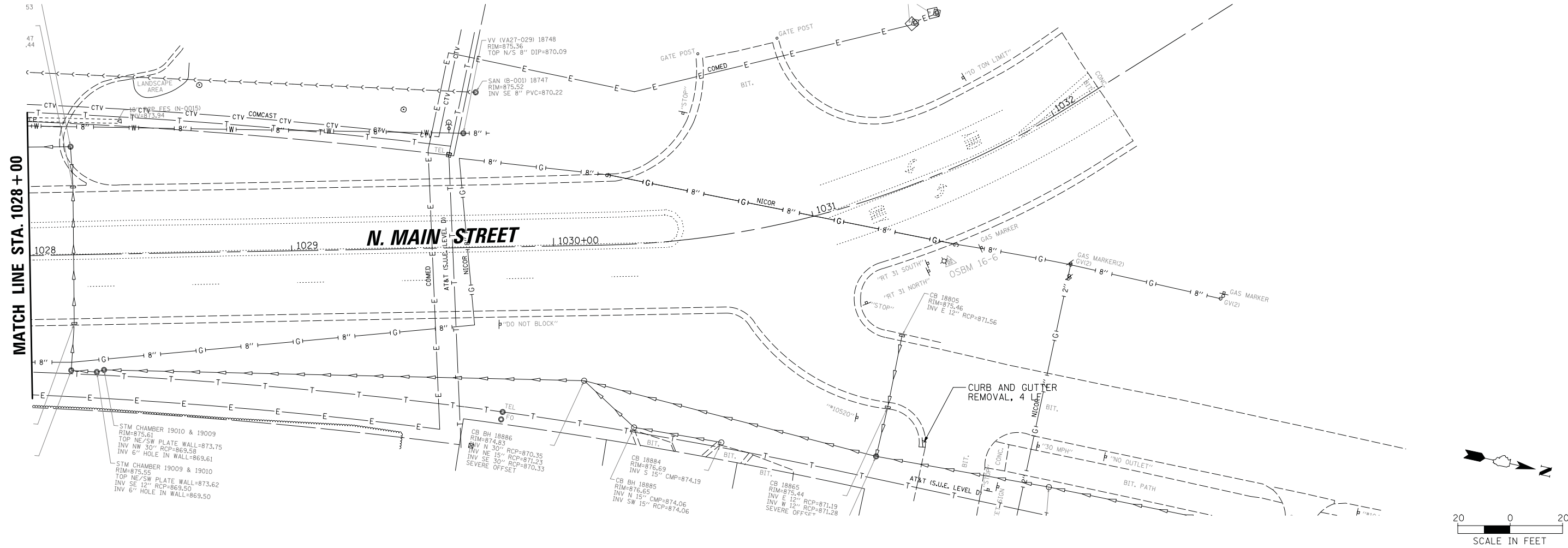


LEGEND

	PAVEMENT REMOVAL		STRUCTURE TO BE RECONSTRUCTED
	SIDEWALK REMOVAL		STRUCTURE TO BE ADJUSTED
	BRICK SIDEWALK REMOVAL		STRUCTURE TO BE REMOVED
	HMA SURFACE REMOVAL		TREE REMOVAL
	DRIVEWAY PAVEMENT REMOVAL		TREE TRUNK PROTECTION, TREE ROOT PRUNING, AND TREE PRUNING
	STORM SEWER/WATER MAIN REMOVAL		
	CURB AND COMBINATION CURB AND GUTTER REMOVAL		

SCALE IN FEET: 0, 20

FILE NAME = N:\ALGONQUIN\070273\070273.00132\Civil\Plan_Main_070273.132.02.SHT	USER NAME = morman	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1D HARRISON STREET AND MAIN STREET MAIN STREET EXISTING CONDITIONS AND REMOVAL PLAN	MUN. R.T.E. = 4560/0145	SECTION = 16-00090-02-PV	COUNTY = MCHENRY	TOTAL SHEETS = 182	SHEET NO. = 24		
Default	PLOT SCALE = 28'	CHECKED -	REVISED -			SCALE: \$SCALE\$	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 61G60			
	PLOT DATE = 12/5/2020	DATE -	REVISED -			ILLINOIS FED. AID PROJECT						



LEGEND

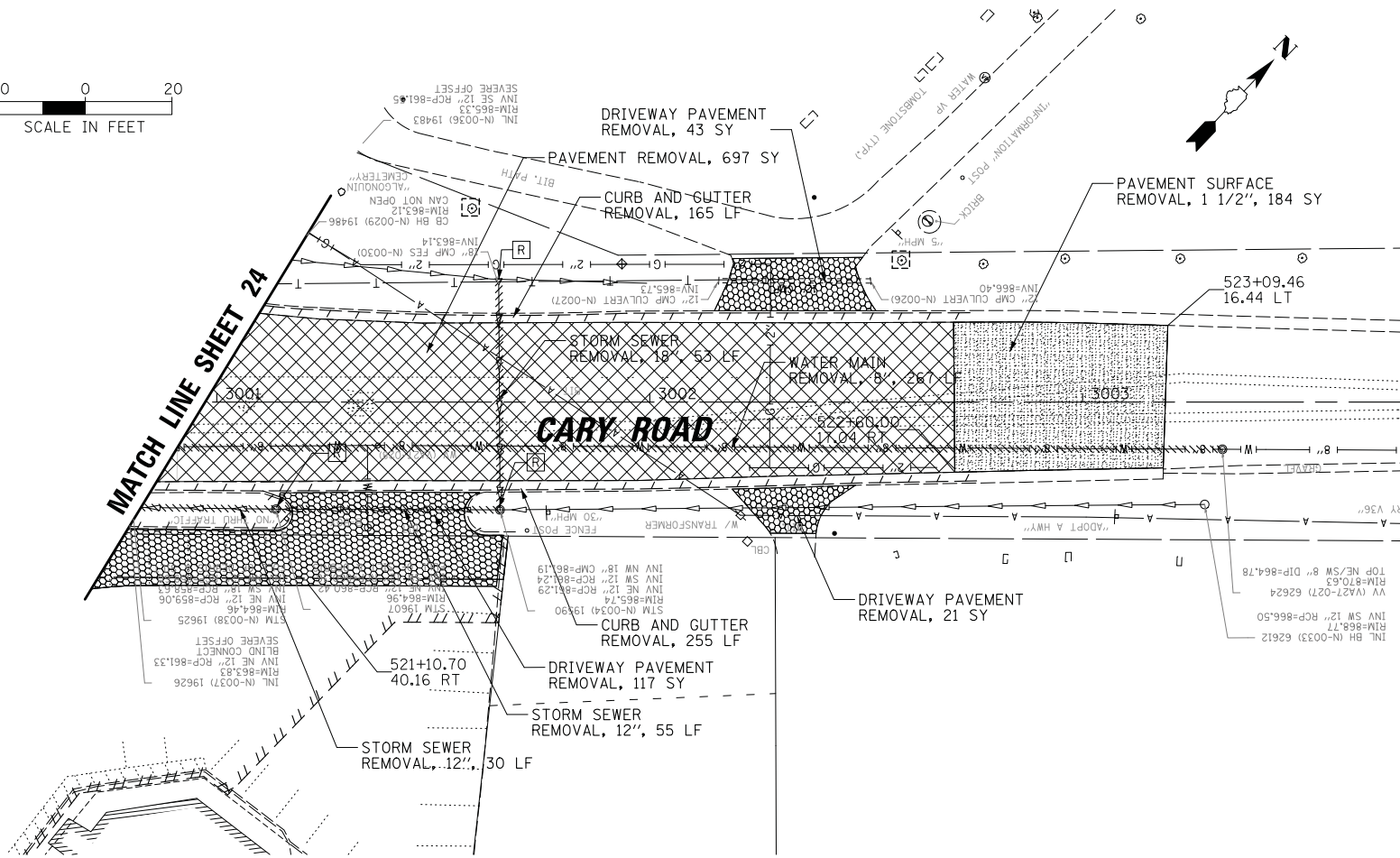
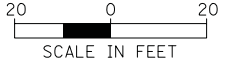
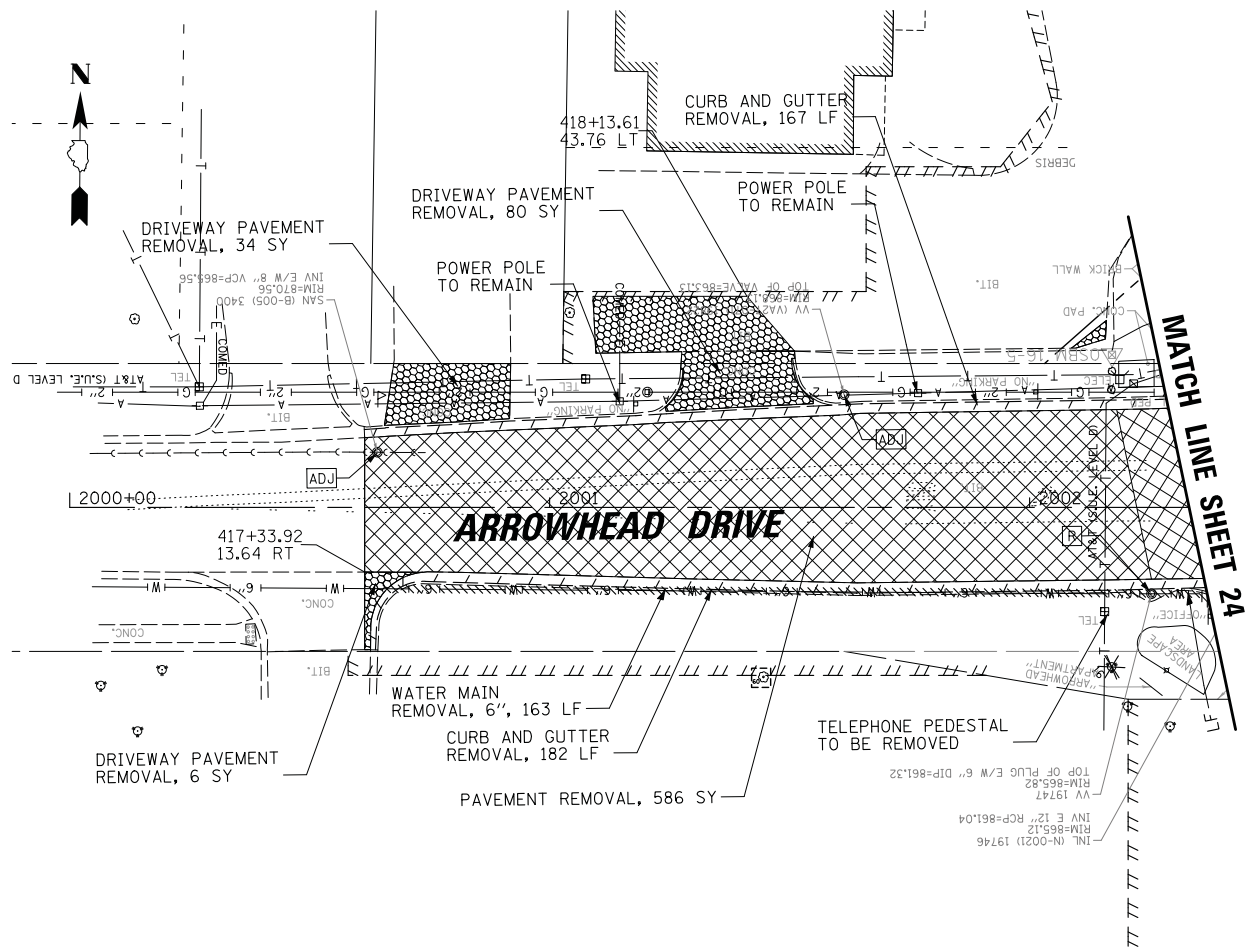
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|--|--|--|--|
| | PAVEMENT REMOVAL | | STRUCTURE TO BE RECONSTRUCTED |
| | SIDEWALK REMOVAL | | STRUCTURE TO BE ADJUSTED |
| | BRICK SIDEWALK REMOVAL | | STRUCTURE TO BE REMOVED |
| | HMA SURFACE REMOVAL | | TREE REMOVAL |
| | DRIVEWAY PAVEMENT REMOVAL | | TREE TRUNK PROTECTION, TREE ROOT PRUNING, AND TREE PRUNING |
| | STORM SEWER/WATER MAIN REMOVAL | | |
| | CURB AND COMBINATION CURB AND GUTTER REMOVAL | | |

FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

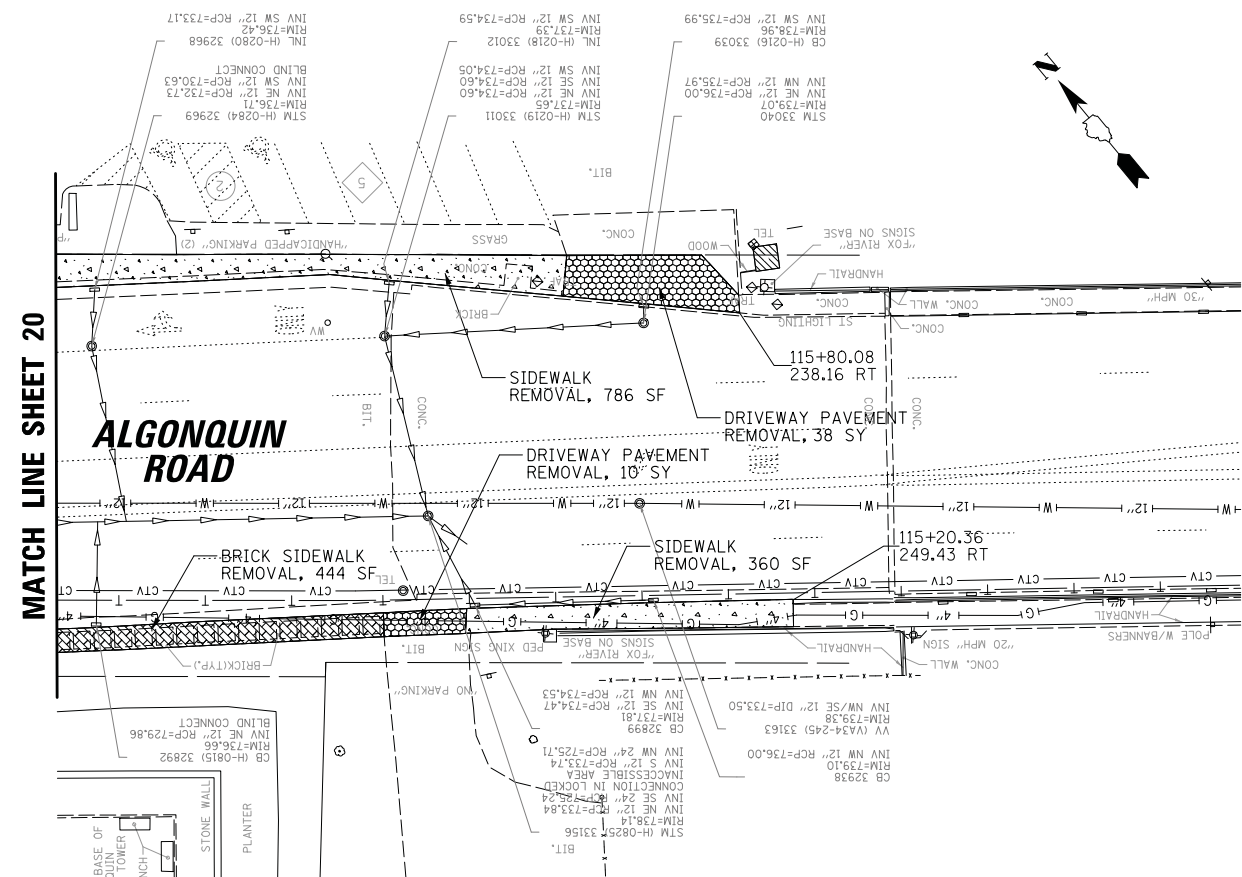
STAGE 1D HARRISON STREET AND MAIN STREET MAIN STREET EXISTING CONDITIONS AND REMOVAL PLAN			
SCALE: \$SCALE\$	SHEET	OF	SHEETS
STA.	TO	STA.	TO

MUN. R.T.E. 4560/0145	SECTION 16-00090-02-PV	COUNTY MCHENRY	TOTAL SHEETS 182	SHEET NO. 25
ILLINOIS FED. AID PROJECT				CONTRACT NO. 61G60



LEGEND

- | | | | |
|--|--|--|--|
| | PAVEMENT REMOVAL | | STRUCTURE TO BE RECONSTRUCTED |
| | SIDEWALK REMOVAL | | STRUCTURE TO BE ADJUSTED |
| | BRICK SIDEWALK REMOVAL | | STRUCTURE TO BE REMOVED |
| | HMA SURFACE REMOVAL | | TREE REMOVAL |
| | DRIVEWAY PAVEMENT REMOVAL | | TREE TRUNK PROTECTION, TREE ROOT PRUNING, AND TREE PRUNING |
| | STORM SEWER/WATER MAIN REMOVAL | | |
| | CURB AND COMBINATION CURB AND GUTTER REMOVAL | | |



FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -
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Default	PLOT SCALE = 28'	CHECKED -	REVISED -
	PLOT DATE = 12/5/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

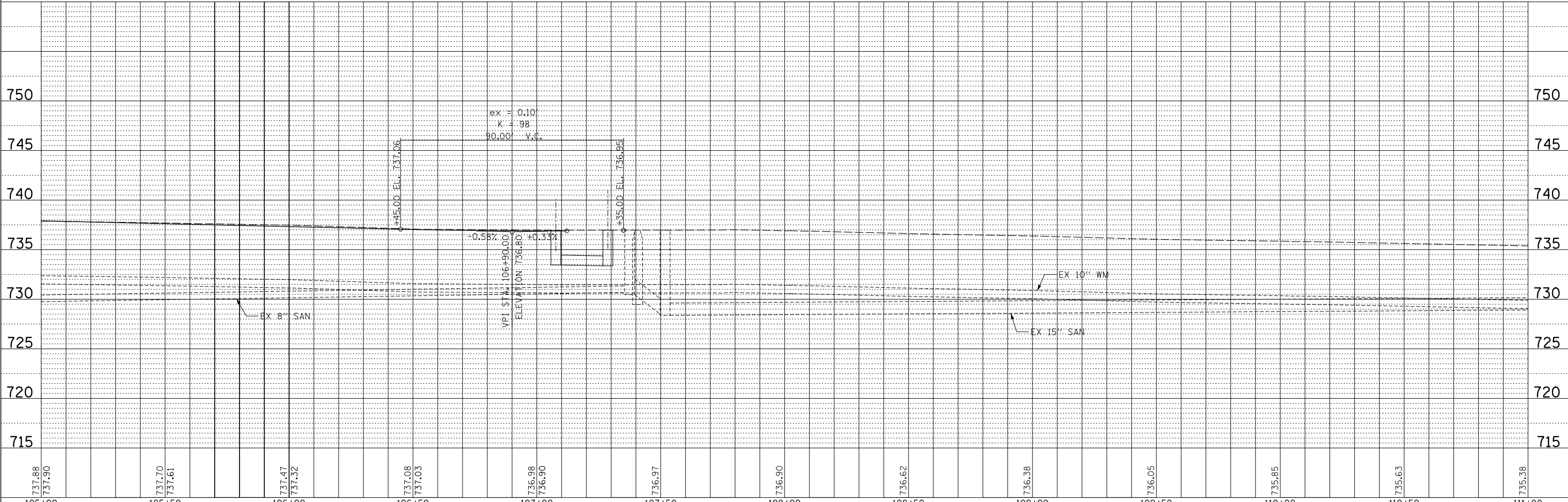
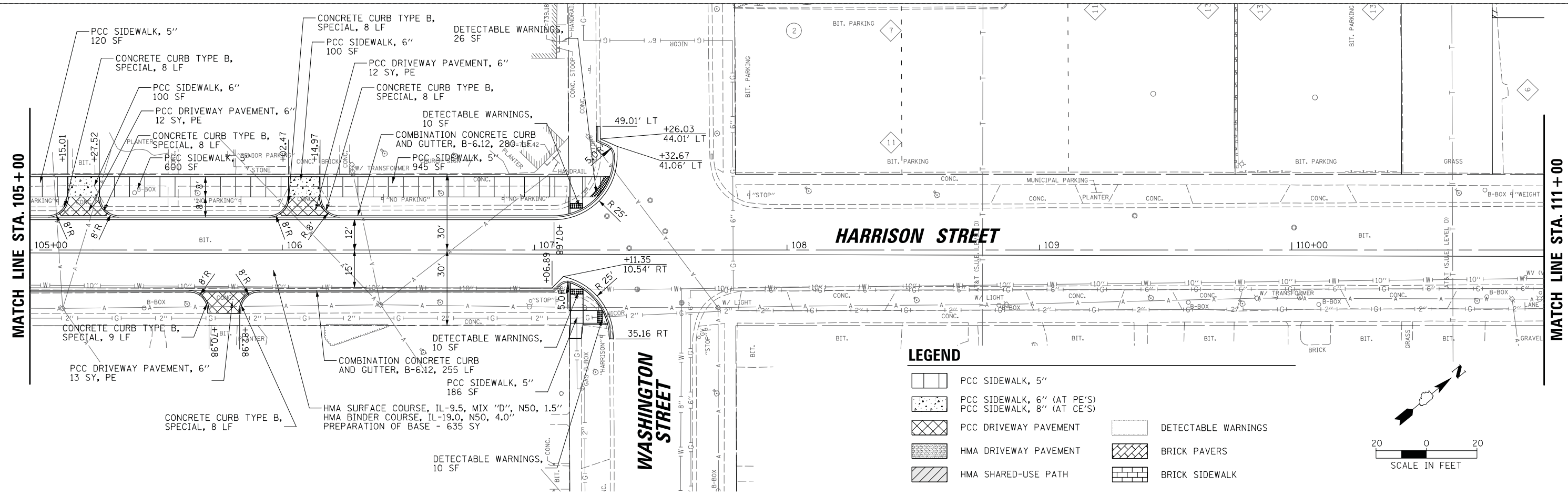
**STAGE 1D HARRISON STREET AND MAIN STREET
ARROWHEAD DR. CARY RD AND ALGONQUIN RD
EXISTING CONDITIONS AND REMOVAL PLAN**

SCALE: \$SCALE\$ SHEET OF SHEETS STA. TO STA.

MUN. R.T.E. 4560/01045	SECTION 16-00090-02-PV	COUNTY MCHENRY	TOTAL SHEETS 182	SHEET NO. 26
CONTRACT NO. 61G60			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
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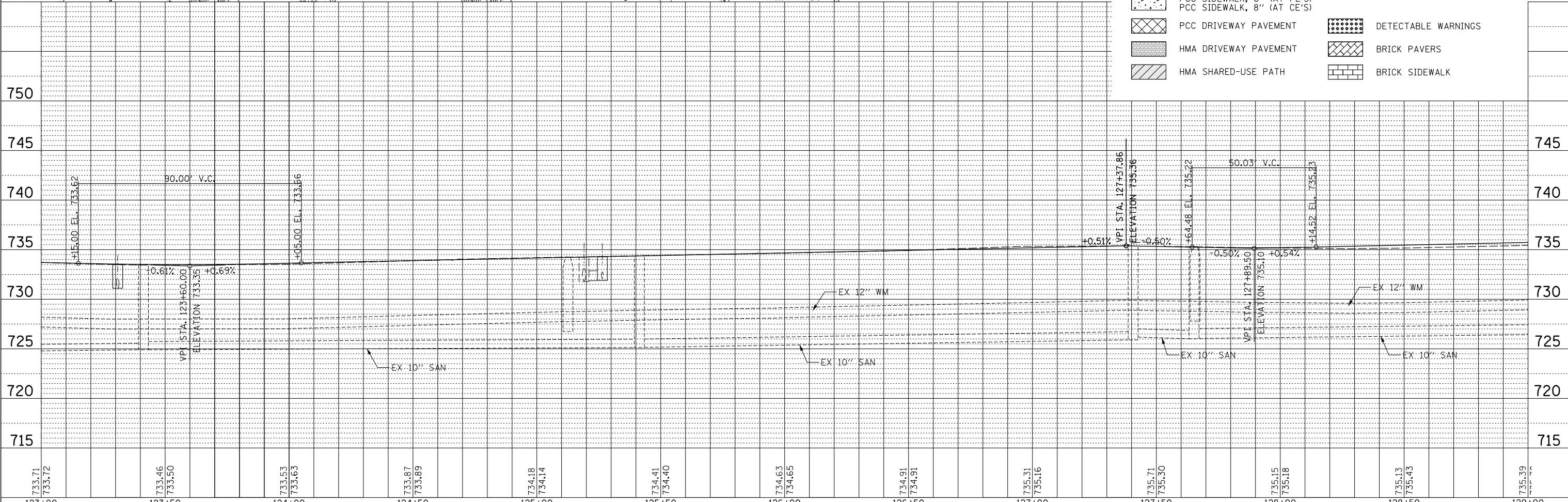
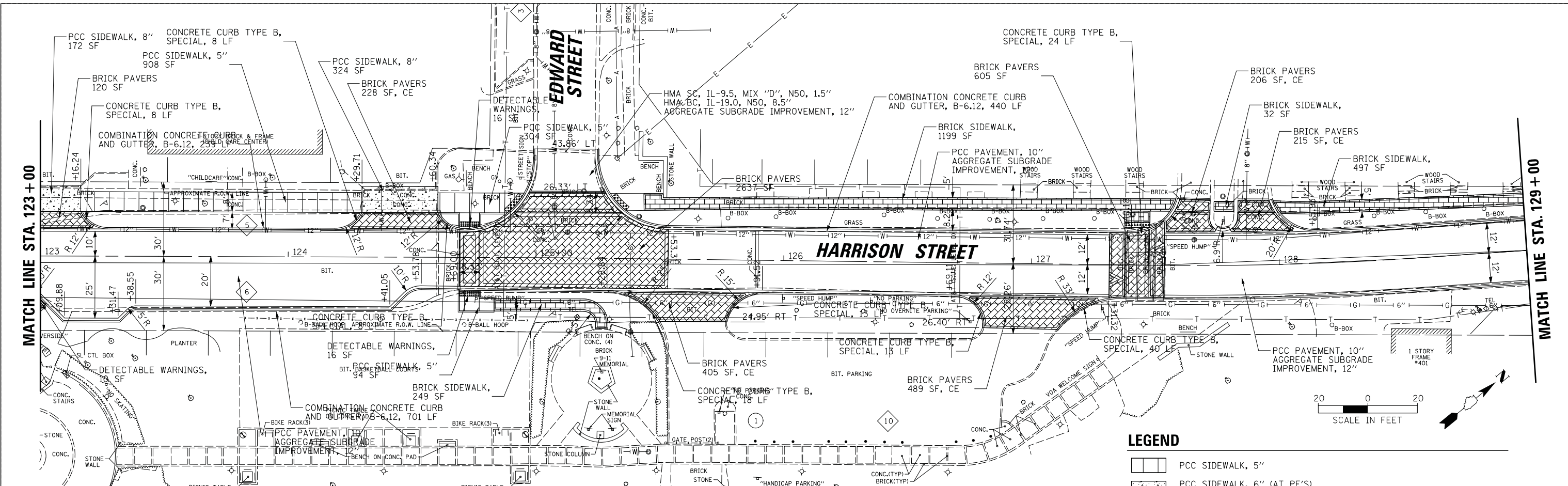
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	GRADES	
	STRUCTURE	
	NOTATION	
	CHAD	
	NO.	



737.88	737.90	737.70	737.61	737.47	737.32	737.08	737.03	736.98	736.90	736.97	736.90	736.62	736.38	736.05	735.85	735.63	735.38
105+00	105+50	106+00	106+50	107+00	107+50	108+00	108+50	109+00	109+50	110+00	110+50	111+00					

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALLOWED		
	FILED		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALLOWED		
	FILED		
	NO.		



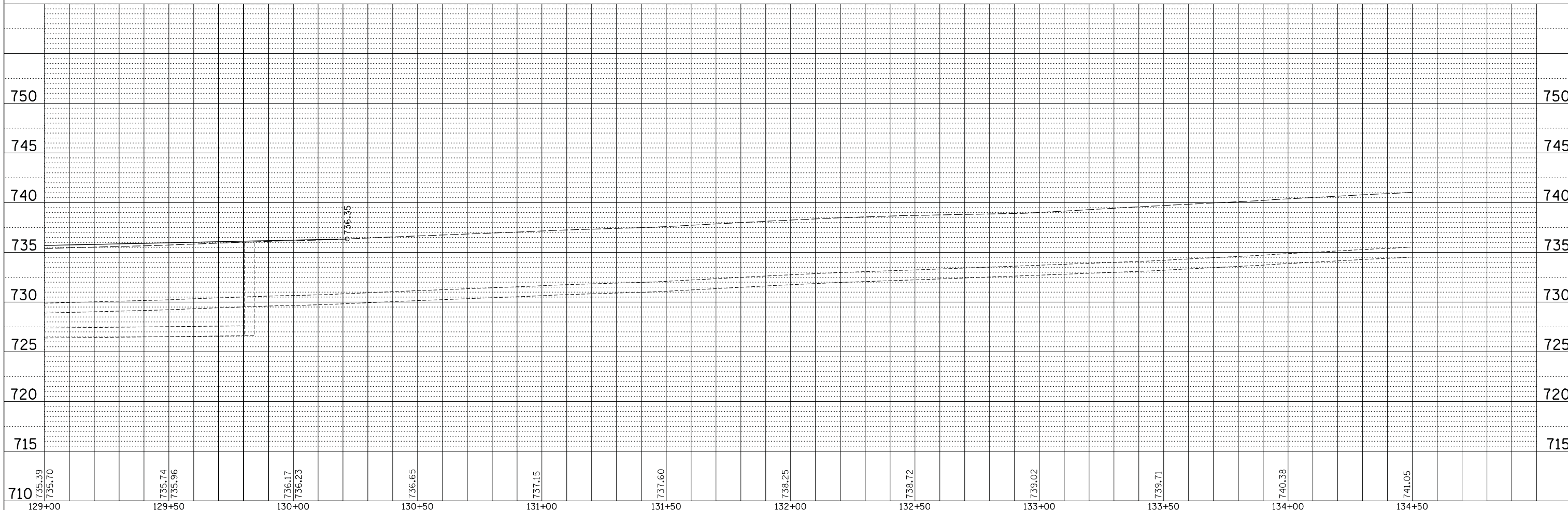
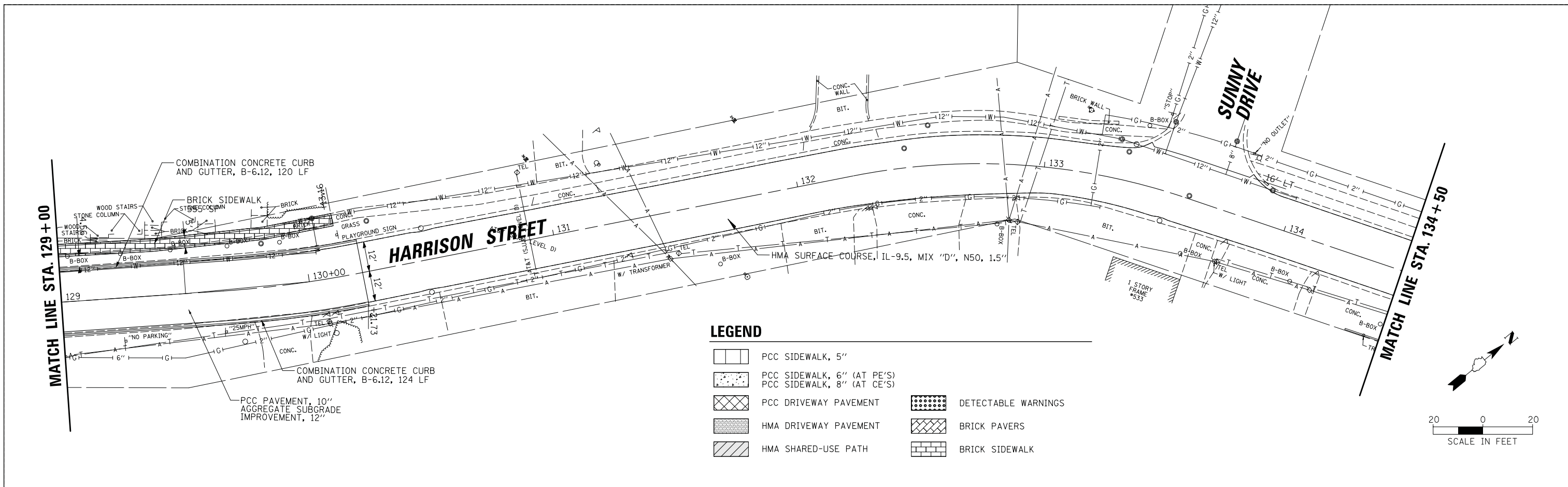
LEGEND

	PCC SIDEWALK, 5"		DETECTABLE WARNINGS
	PCC SIDEWALK, 6" (AT PE'S)		BRICK PAVERS
	PCC SIDEWALK, 8" (AT CE'S)		BRICK SIDEWALK
	PCC DRIVEWAY PAVEMENT		
	HMA DRIVEWAY PAVEMENT		
	HMA SHARED-USE PATH		

FILE NAME =	USER NAME = morman	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1D - HARRISON STREET AND MAIN STREET HARRISON STREET ROADWAY PLAN AND PROFILE	MUN. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	Plot Scale = 20'	DRAWN -	REVISED -			4560/0145	16-00090-02-PV	McHenry	182	31	
	Plot Date = 12/5/2020	CHECKED -	REVISED -			CONTRACT NO. 61G60		ILLINOIS FED. AID PROJECT			
		DATE -	REVISED -			SCALE: 20'	SHEET OF SHEETS	STA. TO STA.			

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	GRADES	
	STRUCTURE	
	NOTATION	
	CHAD	
	NO.	



FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -
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Default		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION










STAGE 1D - HARRISON STREET AND MAIN STREET
HARRISON STREET ROADWAY PLAN AND PROFILE

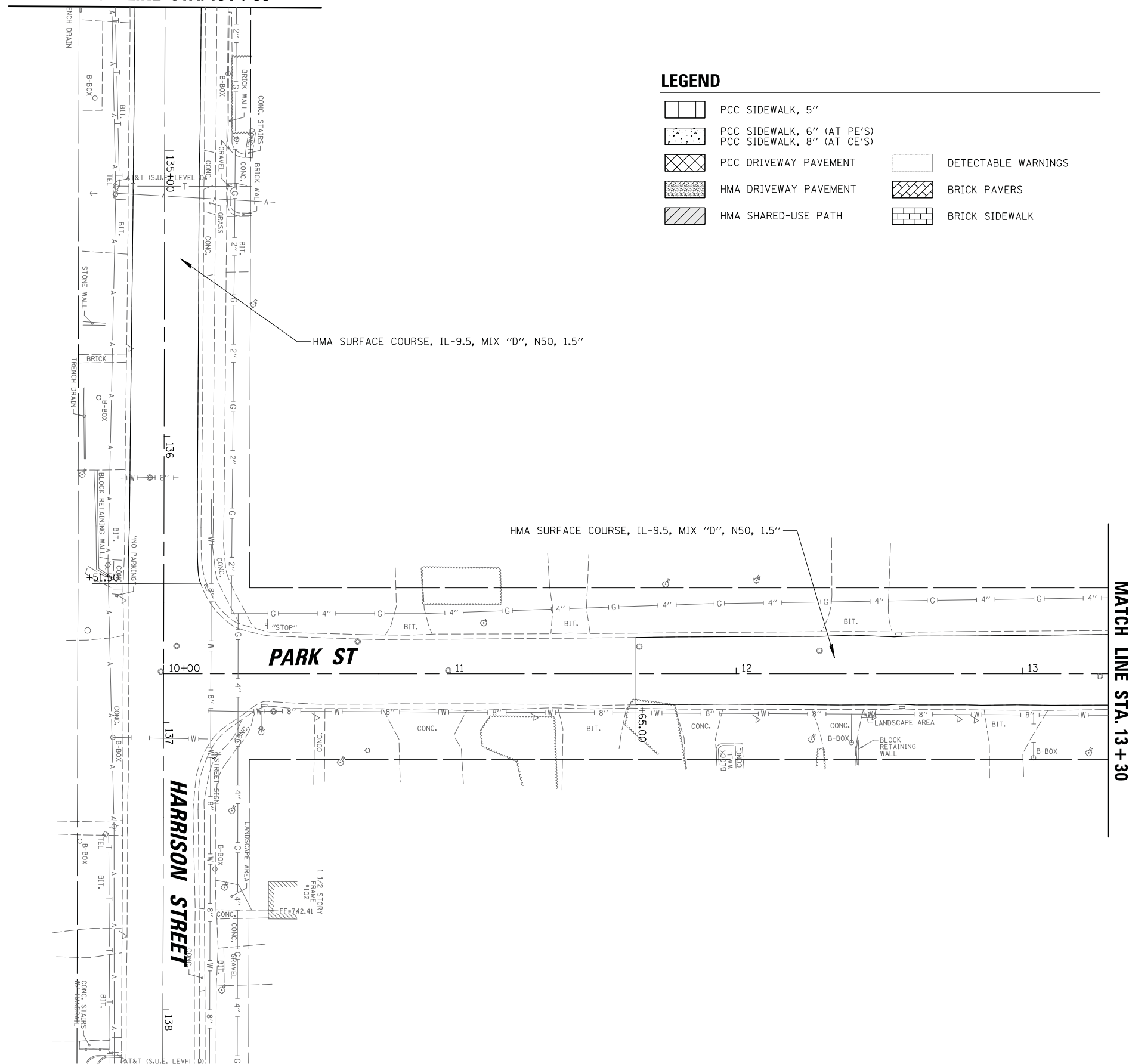
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4560/0145	16-00090-02-PV	McHenry	182	32
CONTRACT NO. 61G60			ILLINOIS FED. AID PROJECT	

SCALE: 20' SHEET OF SHEETS STA. TO STA.

MATCH LINE STA. 134 + 50

LEGEND

-  PCC SIDEWALK, 5"
-  PCC SIDEWALK, 6" (AT PE'S)
-  PCC SIDEWALK, 8" (AT CE'S)
-  PCC DRIVEWAY PAVEMENT
-  HMA DRIVEWAY PAVEMENT
-  HMA SHARED-USE PATH
-  DETECTABLE WARNINGS
-  BRICK PAVERS
-  BRICK SIDEWALK



MATCH LINE STA. 13 + 30

FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -
N:\ALGONDWIN\070273\070273.00132\Civil\Prop_Harr_070273_132_07.SHT		DRAWN -	REVISED -
Default		CHECKED -	REVISED -
	PLOT DATE = 12/5/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

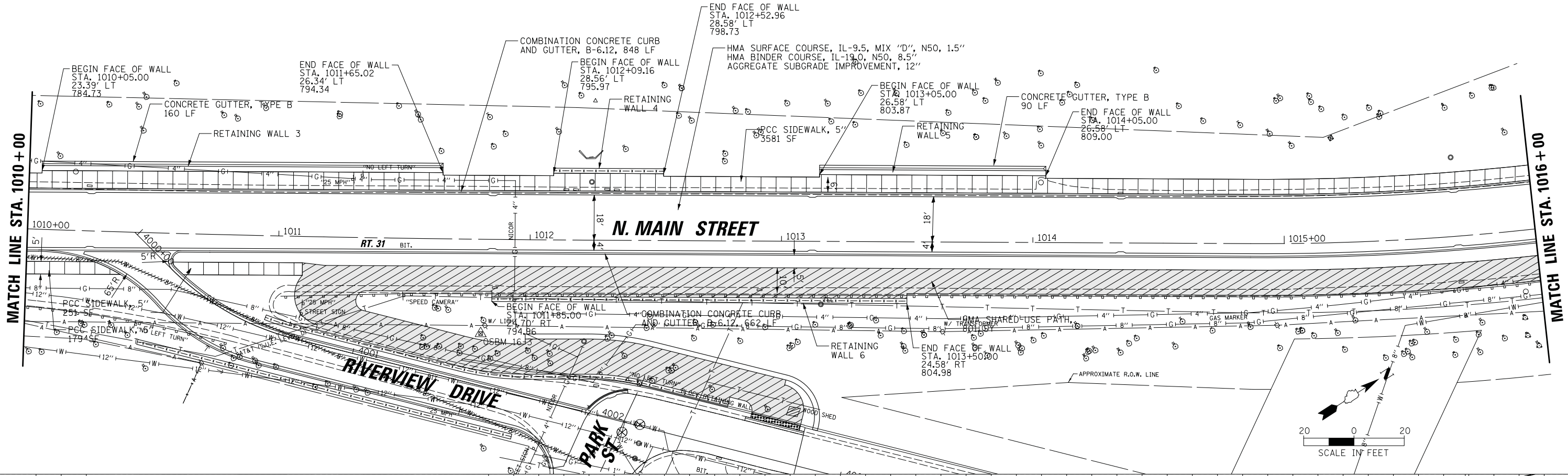
**STAGE 1D HARRISON STREET AND MAIN STREET
HARRISON & PARK STREET ROADWAY PLAN AND PROFILE**

SCALE: \$SCALE\$ SHEET OF SHEETS STA. TO STA.

MUN. RTE. 4560/0145	SECTION 16-00090-02-PV	COUNTY MCHENRY	TOTAL SHEETS 182	SHEET NO. 33
			CONTRACT NO. 61G60	
ILLINOIS FED. AID PROJECT				

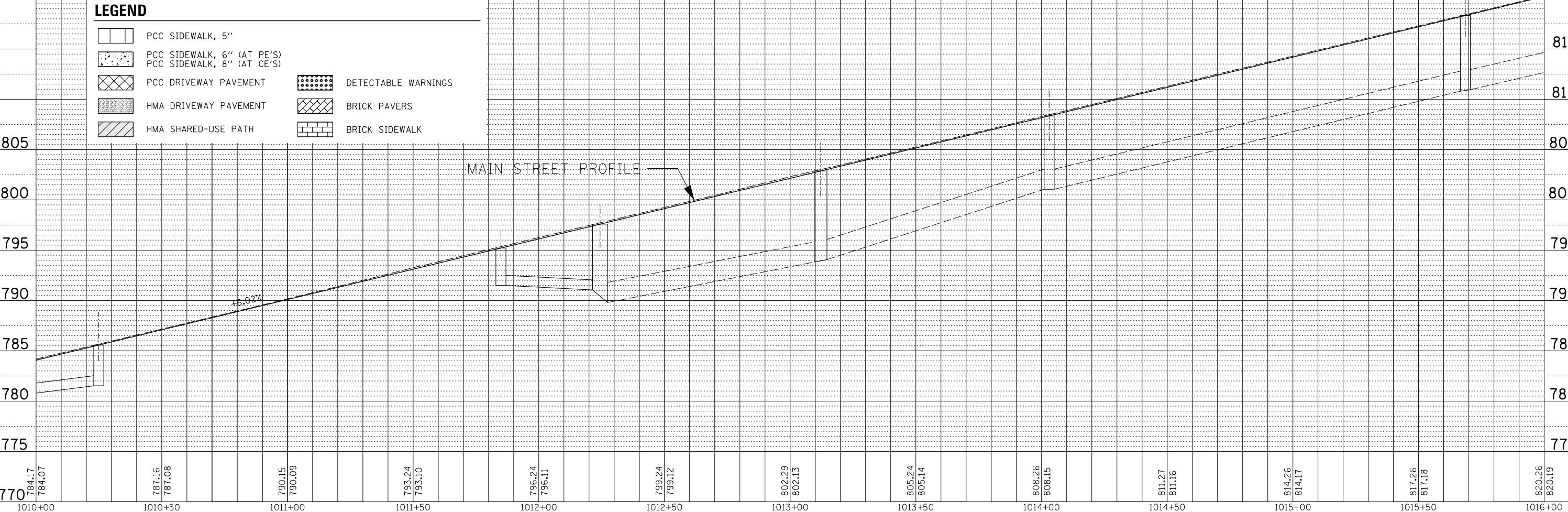
PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	GRADES	
	STRUCTURE	
	NOTATION	
	CHAD	
	NO.	












LEGEND

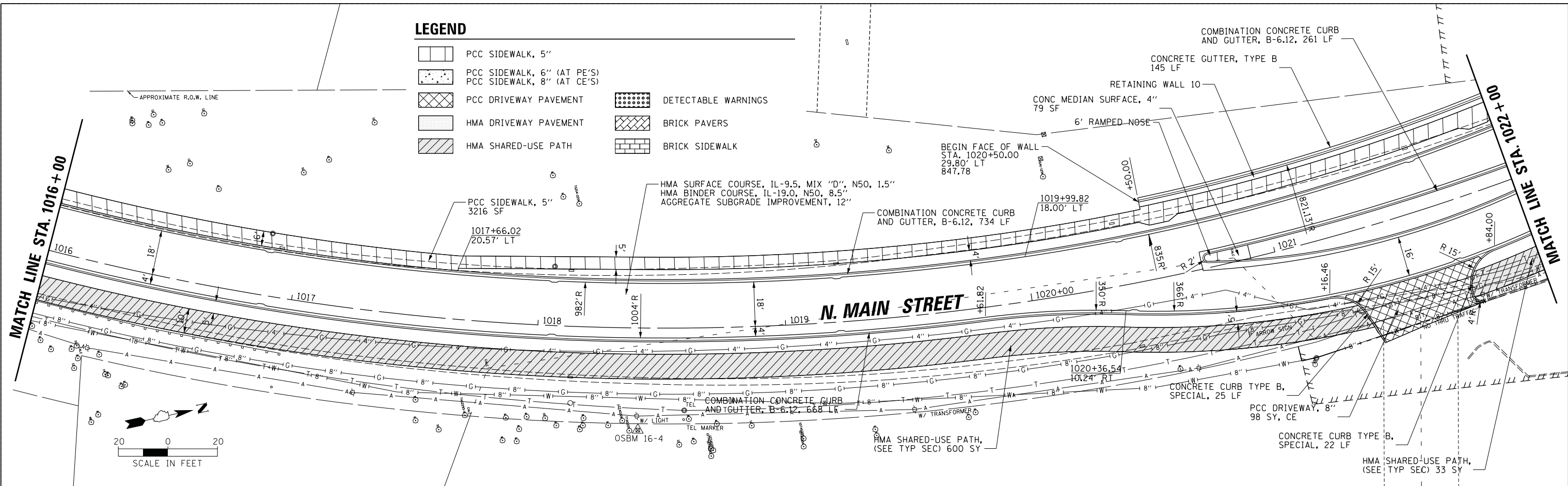
	PCC SIDEWALK, 5"		DETECTABLE WARNINGS
	PCC SIDEWALK, 6" (AT PE'S)		BRICK PAVERS
	PCC SIDEWALK, 8" (AT CE'S)		BRICK SIDEWALK
	PCC DRIVEWAY PAVEMENT		
	HMA DRIVEWAY PAVEMENT		
	HMA SHARED-USE PATH		



FILE NAME =	USER NAME = morman	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1D - HARRISON STREET AND MAIN STREET MAIN STREET ROADWAY PLAN AND PROFILE	MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	Plot Scale = 20'	DRAWN -	REVISED -			4560/0145	16-00090-02-PV	McHenry	182	36	
	Plot Date = 12/5/2020	CHECKED -	REVISED -			CONTRACT NO. 61G60					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

LEGEND

-  PCC SIDEWALK, 5"
-  PCC SIDEWALK, 6" (AT PE'S)
-  PCC SIDEWALK, 8" (AT CE'S)
-  PCC DRIVEWAY PAVEMENT
-  HMA DRIVEWAY PAVEMENT
-  HMA SHARED-USE PATH
-  DETECTABLE WARNINGS
-  BRICK PAVERS
-  BRICK SIDEWALK

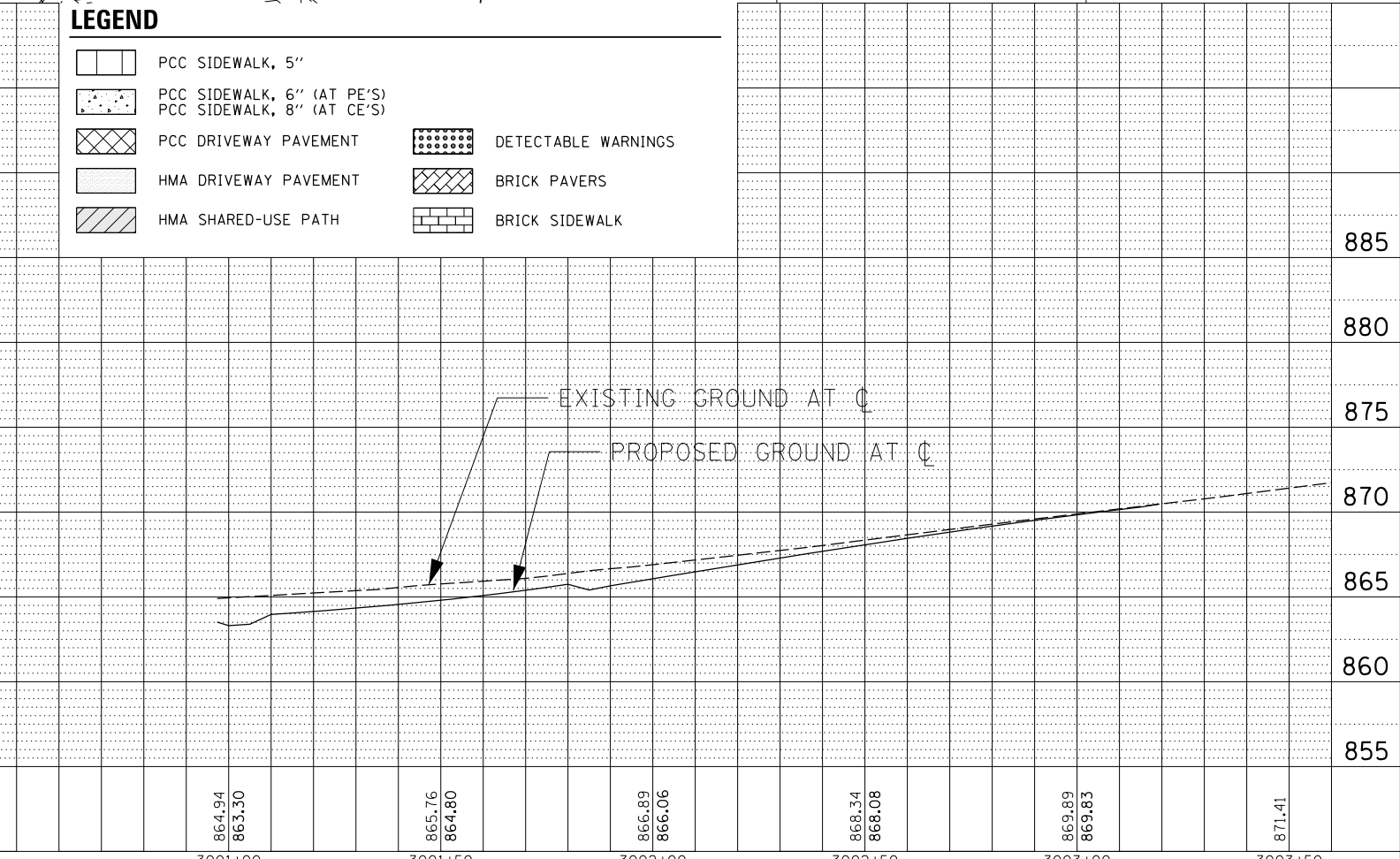
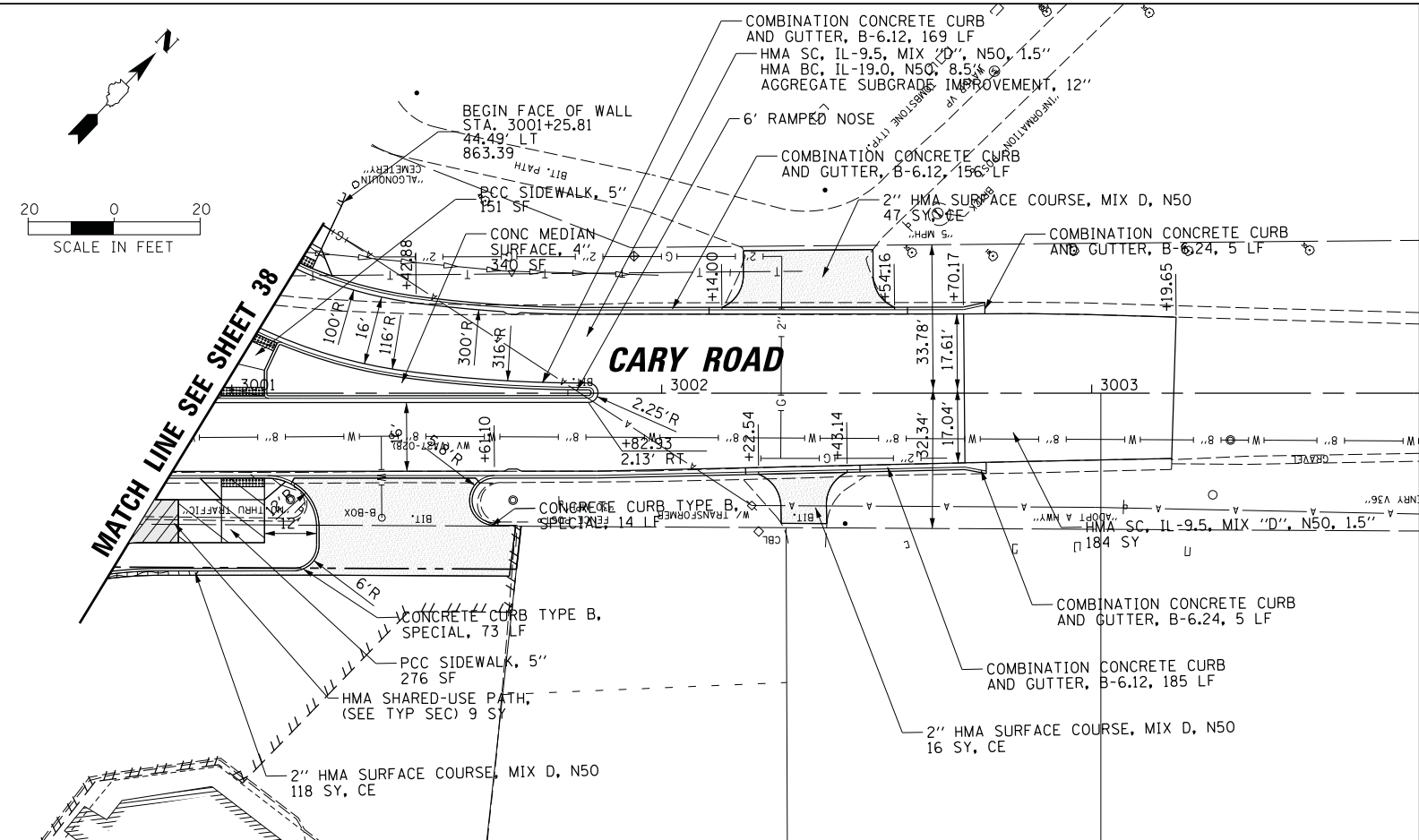
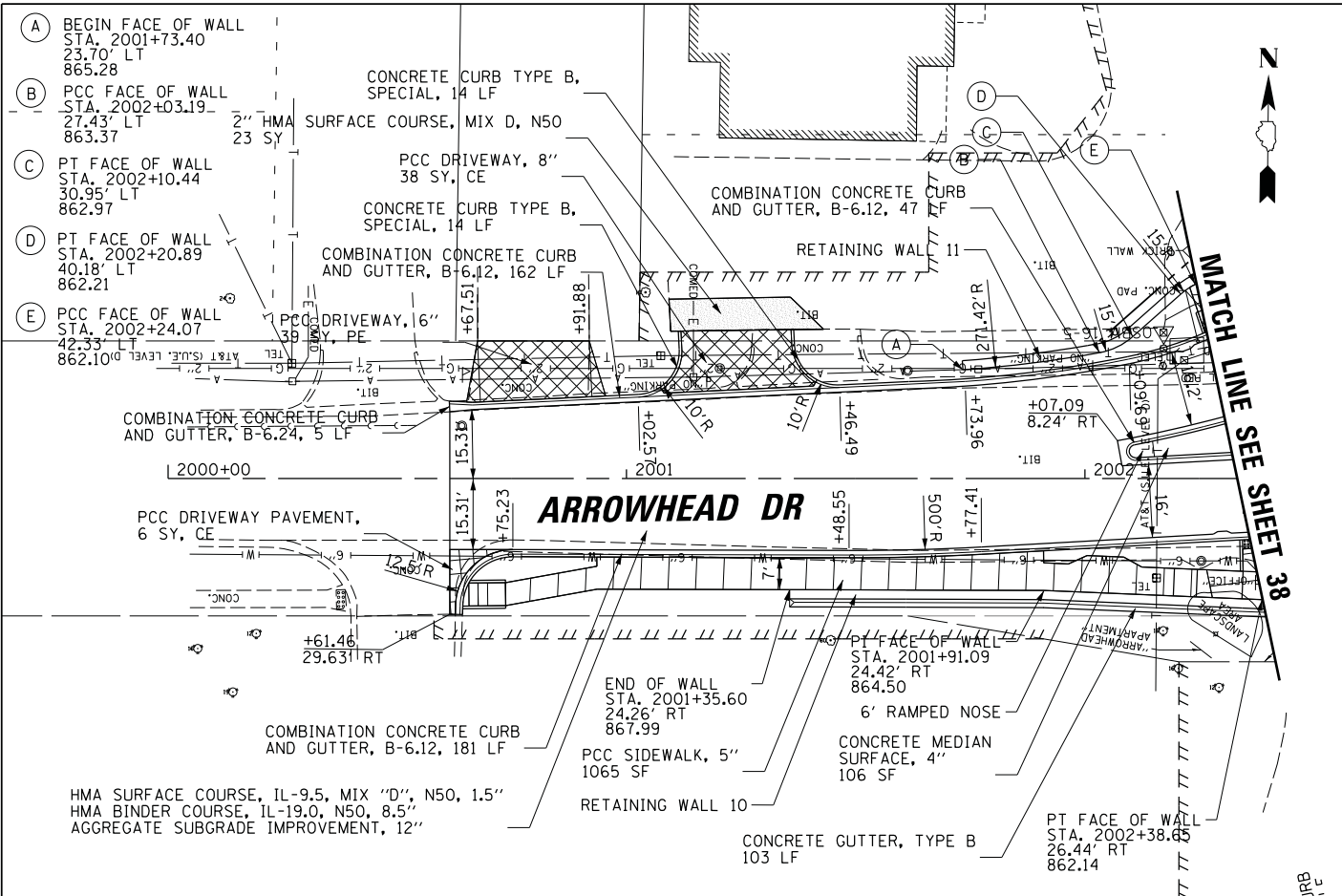


PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	ALIGNED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	GRADES	
	STRUCTURE	
	NOTATIONS	
	CHFD	
	NO.	

DATE	
BY	
PLAN	
NO.	
DATE	
BY	
PROFILE	
NO.	
DATE	
BY	

DATE	
BY	
PROFILE	
NO.	
DATE	
BY	



FILE NAME =	USER NAME = morman	DESIGNED -	REVISED -	SCALE: 20'	SHEET	OF	SHEETS	STA.	TO	STA.	MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\VALGONQUIN\070273\070273.00132\Civil\Prop Arrowhead_070273.132_01.SHT		DRAWN -	REVISED -								4560/0145	16-00090-02-PV	McHenry	182	40
Default	PLOT SCALE = 28'	CHECKED -	REVISED -												CONTRACT NO. 61G60
	PLOT DATE = 1/5/2021	DATE -	REVISED -												ILLINOIS FED. AID PROJECT

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

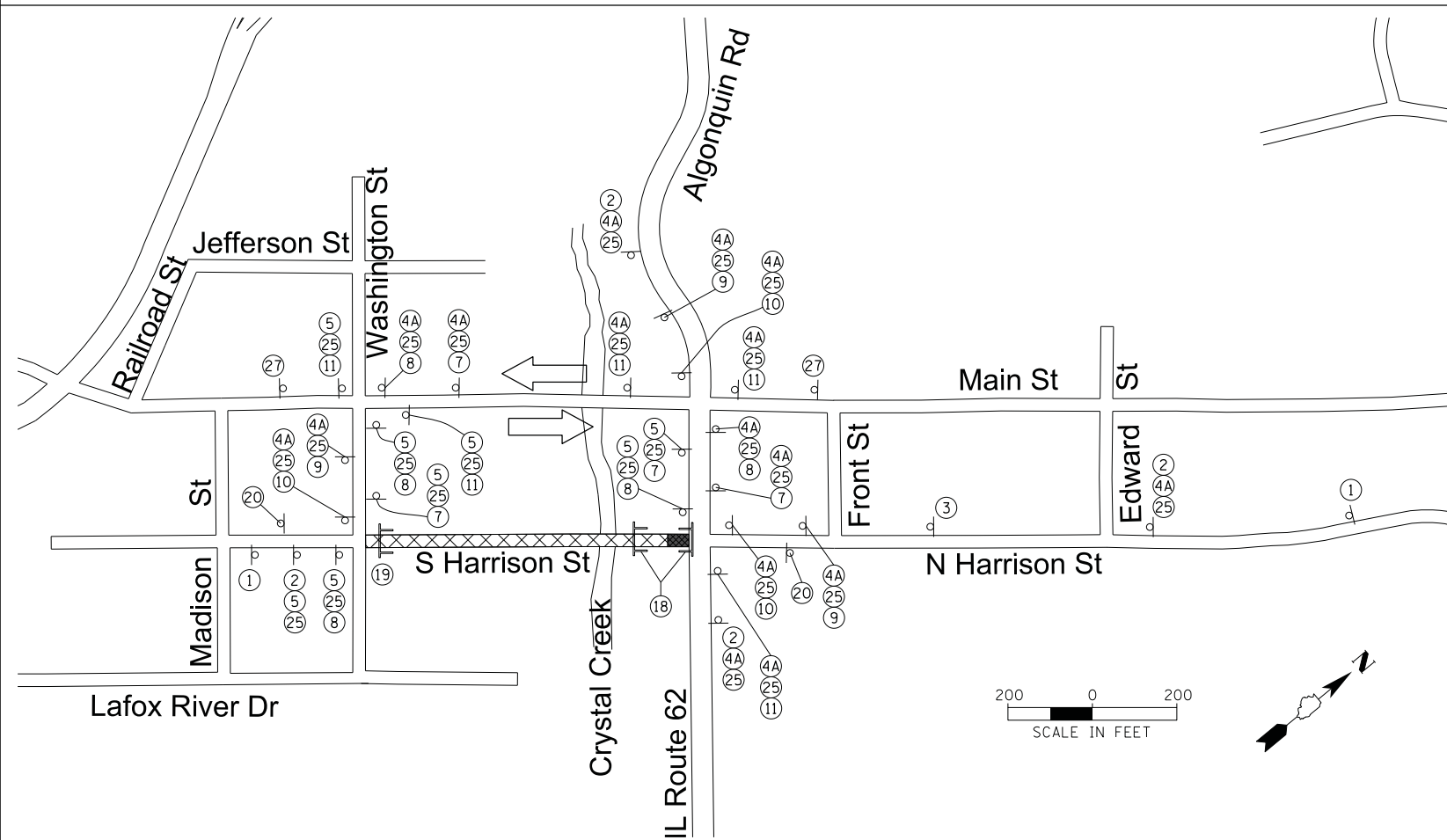
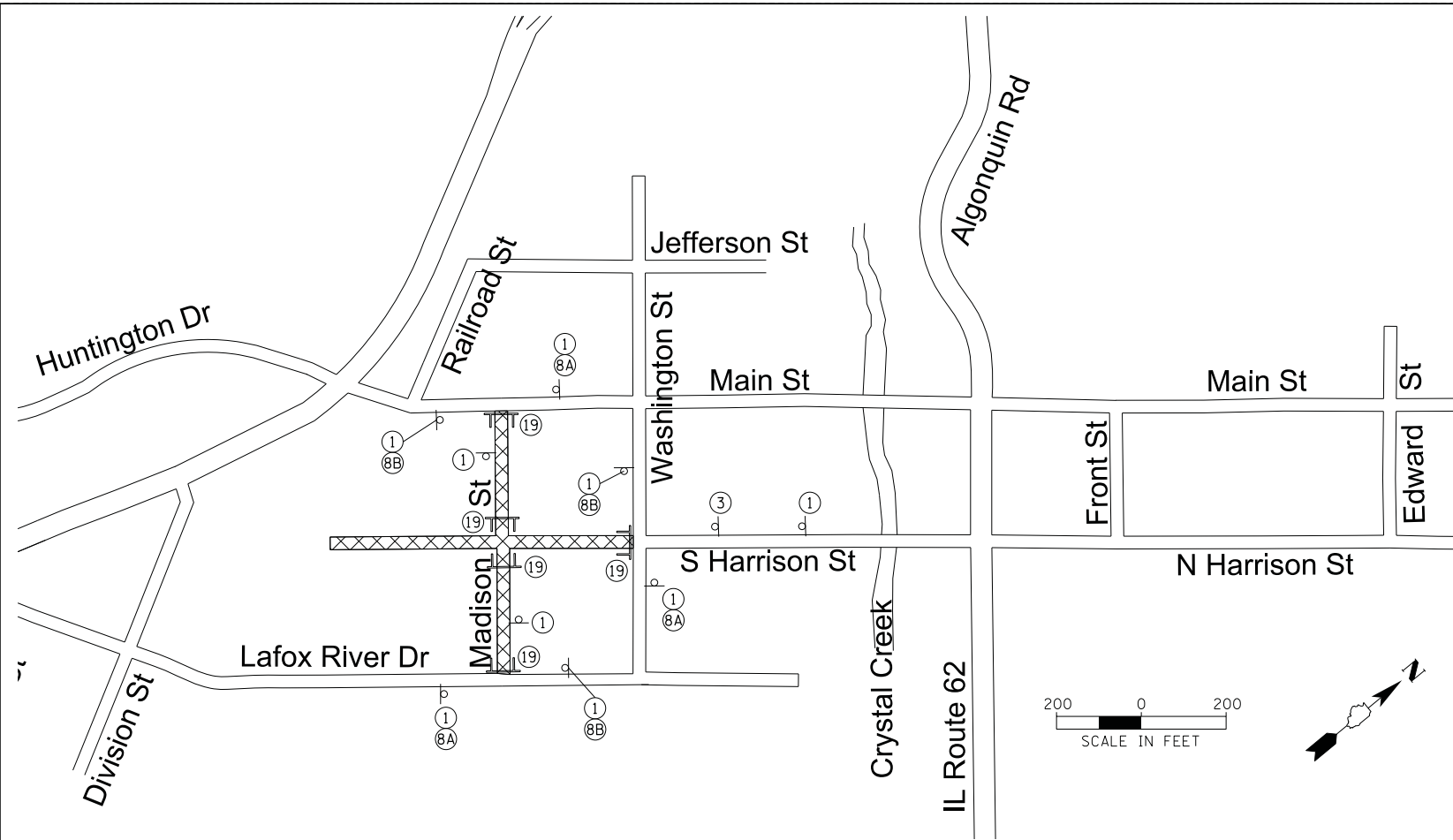
STAGE 1D - HARRISON STREET AND MAIN STREET
 ARROWHEAD DRIVE AND CARY ROAD

CONTRACT NO. 61G60

- | | | | | | |
|----|--|----------------|----|--|--|
| ① | | W20-3-4848 | ⑫ | | R6-1R-3612 |
| ② | | W20-2-4848 | ⑬ | | R3-2-2424 |
| ③ | | W20-3-4848 | ⑭ | | R6-1L-3612 |
| ④ | | M3-4(O) 2412 | ⑮ | | R3-1-2424 |
| ④A | | M3-3(O) 2412 | ⑯ | | R5-1-3030 |
| ⑤ | | M3-1(O) 2412 | ⑰R | | M4-10R-4818 |
| ⑤A | | M3-1(O) 2412 | ⑰L | | M4-10L-4818 |
| ⑥ | | D3-1-3612 | ⑱ | | R11-2-4830 |
| ⑥A | | D3-1-3612 | ⑲ | | R11-4-6030 |
| ⑥B | | D3-1-3612 | ⑳ | | M4-8A-2418 |
| ⑦ | | M4-9(MOD)-3021 | ㉑ | | SUPPLEMENTAL-3612 |
| ⑧ | | M4-9L-3021 | ㉒ | | SUPPLEMENTAL-3612 |
| ⑧A | | M6-1L(O)-2115 | ㉓ | | SUPPLEMENTAL-3612 |
| ⑧B | | M6-1R(O)-2115 | ㉔ | | D3-1-3612 |
| ⑨ | | M4-9(MOD)-3021 | ㉕ | | D3-1-3612 |
| ⑨A | | M4-9(MOD)-3021 | ㉖ | | SPECIAL-4836
5" BLACK LETTERS ON
ORANGE BACKGROUND |
| ⑩ | | M4-9R-3021 | ㉗ | | SPECIAL-4836
5" BLACK LETTERS ON
ORANGE BACKGROUND |
| ⑩A | | M4-9(MOD)-3021 | | | |
| ⑪ | | M4-9(MOD)-3021 | | | |

LEGEND:

- ROAD CLOSED TO THRU TRAFFIC
- ROAD CLOSED
- DETOUR SIGN
- TYPE III BARRICADE
- DETOUR SIGN TYPE
- DIRECTION OF TRAVEL



FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -
N:\ALGONQUIN\070273\070273.00132\Civil\Detour_Harr_070273.132_01.SHT		DRAWN -	REVISED -
Default	PLOT SCALE = 200'	CHECKED -	REVISED -
	PLOT DATE = 12/29/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1D HARRISON STREET AND MAIN STREET
DETOUR PLAN PHASE I - HARRISON STREET (SOUTH)

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

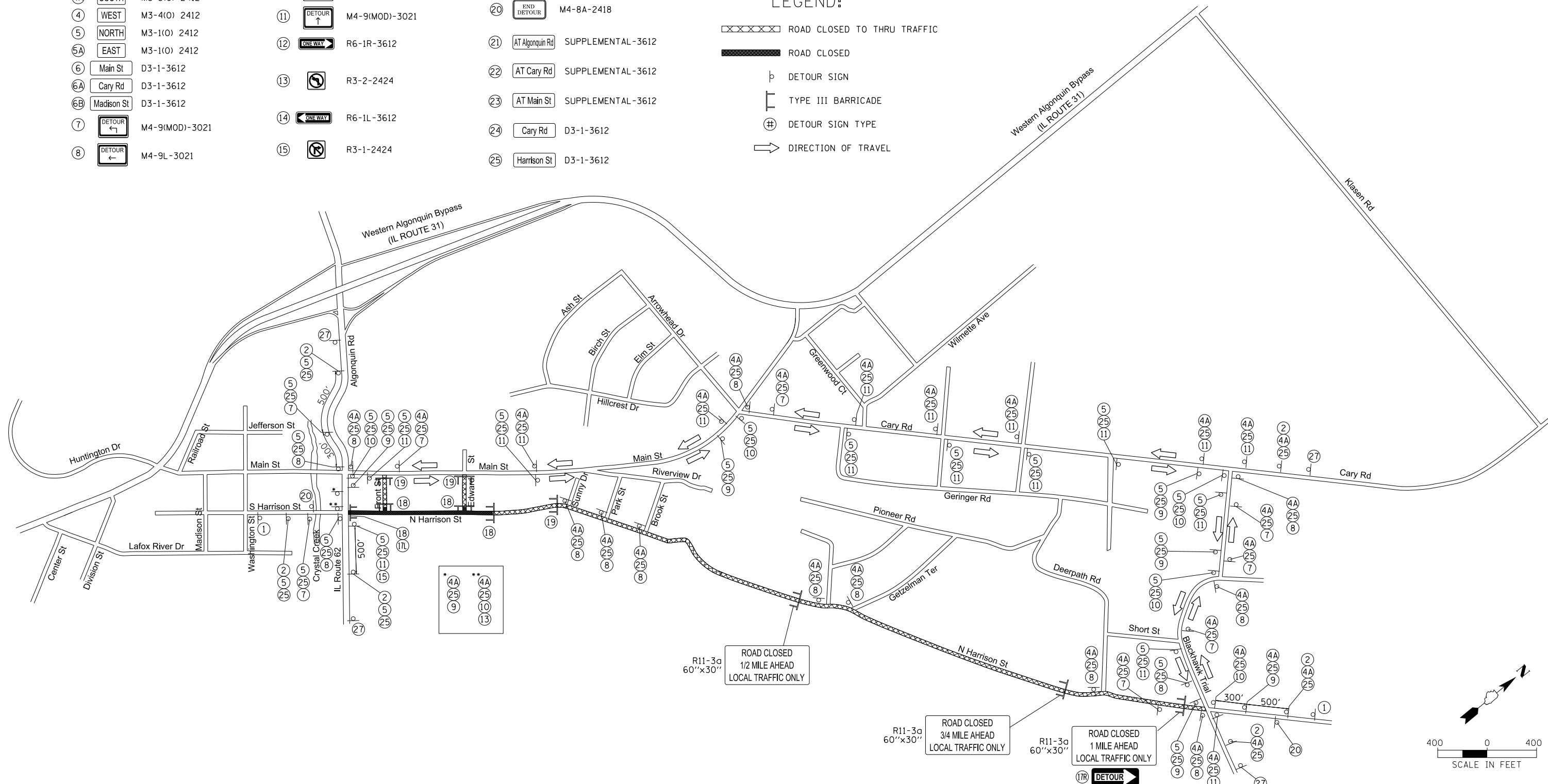
MUN. RTE. 4560/0145	SECTION 16-00090-02-PV	COUNTY MCHENRY	TOTAL SHEETS 182	SHEET NO. 41
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G60	

- ① ROAD CLOSED AHEAD W20-3-4848
- ② DETOUR AHEAD W20-2-4848
- ③ ROAD CLOSED 500 FT W20-3-4848
- ④A SOUTH M3-3(O) 2412
- ④ WEST M3-4(O) 2412
- ⑤ NORTH M3-1(O) 2412
- ⑤A EAST M3-1(O) 2412
- ⑥ Main St D3-1-3612
- ⑥A Cary Rd D3-1-3612
- ⑥B Madison St D3-1-3612
- ⑦ DETOUR M4-9(MOD)-3021
- ⑧ DETOUR M4-9L-3021
- ⑧A M6-1L(O)-2115
- ⑧B M6-1R(O)-2115
- ⑨ M4-9(MOD)-3021
- ⑨A M4-9(MOD)-3021
- ⑩ M4-9R-3021
- ⑩A M4-9(MOD)-3021
- ⑪ M4-9(MOD)-3021
- ⑫ ONE WAY R6-1R-3612
- ⑬ R3-2-2424
- ⑭ ONE WAY R6-1L-3612
- ⑮ R3-1-2424
- ⑯ ROAD CLOSED TO THRU TRAFFIC R11-4-6030
- ⑰ ROAD CLOSED R11-2-4830
- ⑱ ROAD CLOSED TO THRU TRAFFIC R11-4-6030
- ⑳ END DETOUR M4-8A-2418
- ㉑ AT Algonquin Rd SUPPLEMENTAL-3612
- ㉒ AT Cary Rd SUPPLEMENTAL-3612
- ㉓ AT Main St SUPPLEMENTAL-3612
- ㉔ Cary Rd D3-1-3612
- ㉕ Harrison St D3-1-3612
- ㉖ Main St CLOSED AT Cary Rd FOLLOW DETOUR SPECIAL-4836 5" BLACK LETTERS ON ORANGE BACKGROUND
- ㉗ Harrison St CLOSED AT Algonquin Rd FOLLOW DETOUR SPECIAL-4836 5" BLACK LETTERS ON ORANGE BACKGROUND

LEGEND:

- ⊠ ROAD CLOSED TO THRU TRAFFIC
- ROAD CLOSED
- ⊥ DETOUR SIGN
- ⊥ TYPE III BARRICADE
- ⊕ DETOUR SIGN TYPE
- ➔ DIRECTION OF TRAVEL

MCHENRY COUNTY DIVISION OF TRANSPORTATION DETOUR NOTES:
 a. Detour signage shall not be installed on any McHenry County Division of Transportation (MCDOT) street light poles or signal poles. If they are found to be installed on MCDOT poles, they will be immediately removed.
 b. Detour signage shall not block any MCDOT signs and cannot use the MCDOT sign posts.
 c. Sign posts shall be installed at least twelve (12) feet from the edge of the mainline roadway (white painted edgeline).
 d. Contact and notify the McHenry County Division of Transportation (MCDOT) at (815) 334-4960 at least 48 hours in advance of placing signage along the County Highway(s).
 e. Detour sign installation contractor shall call JULIE for utility locates. MCDOT may have storm drain, signal and lighting facilities in these areas that could require locates. Contact JULIE at (800) 892-0123.



FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1D HARRISON STREET AND MAIN STREET DETOUR PLAN PHASE I - HARRISON STREET (NORTH)	MUN. R.T.E. =	SECTION =	COUNTY =	TOTAL SHEETS =	SHEET NO. =	
						4560/0145	16-00090-02-PV	MCHENRY	182	42	
						CONTRACT NO. 61G60					
						ILLINOIS FED. AID PROJECT					
Default	PLOT DATE = 12/29/2020	CHECKED -	REVISIED -	SCALE: \$SCALE\$	SHEET OF SHEETS	STA. TO STA.					

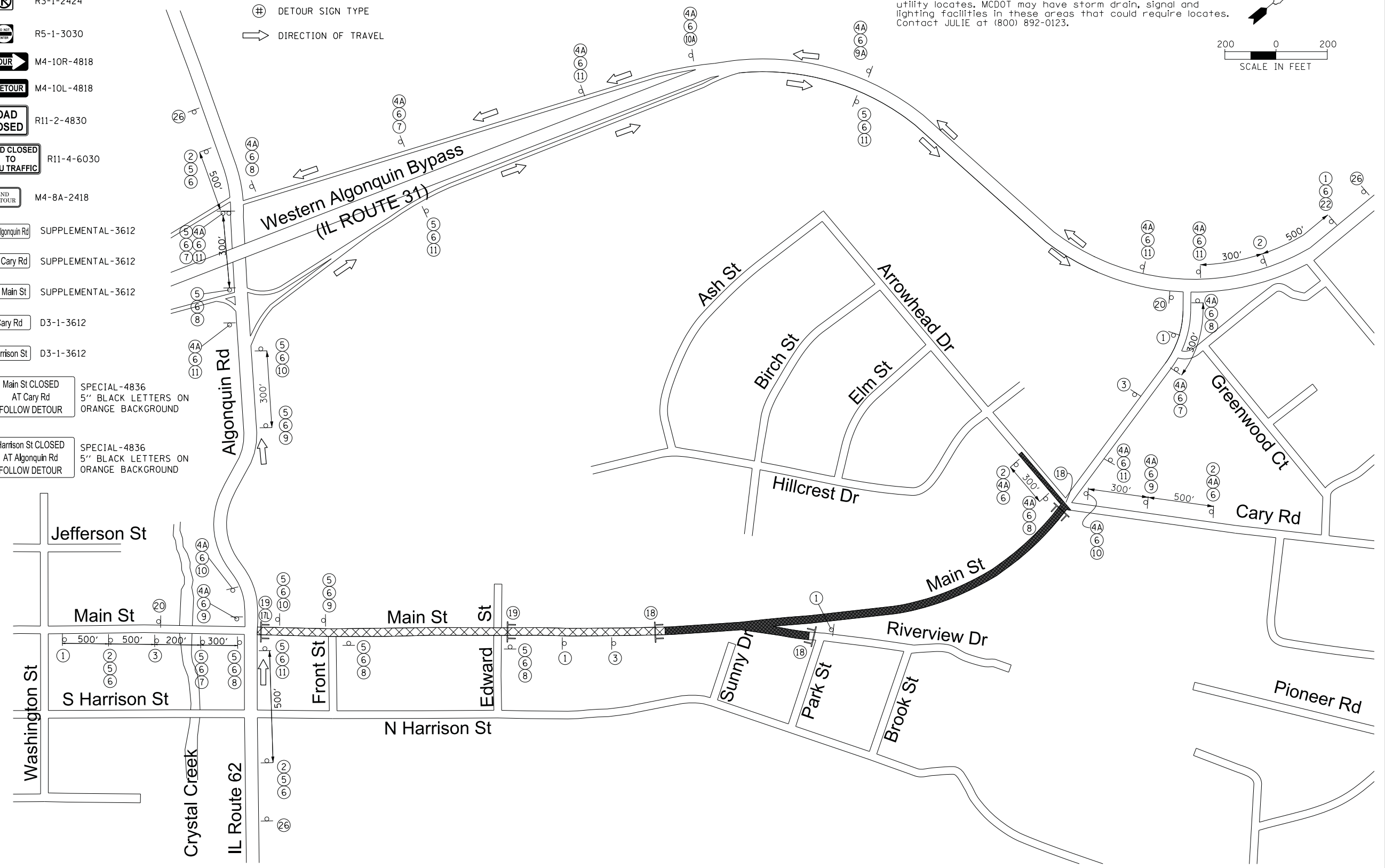
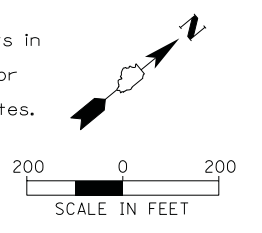
- ① ROAD CLOSED AHEAD W20-3-4848
- ② DETOUR AHEAD W20-2-4848
- ③ ROAD CLOSED 500 FT W20-3-4848
- ④ WEST M3-4(O) 2412
- ④A SOUTH M3-3(O) 2412
- ⑤ NORTH M3-1(O) 2412
- ⑤A EAST M3-1(O) 2412
- ⑥ Main St D3-1-3612
- ⑥A Cary Rd D3-1-3612
- ⑥B Madison St D3-1-3612
- ⑦ DETOUR M4-9(MOD)-3021
- ⑧ DETOUR M4-9L-3021
- ⑧A ← M6-1L(O)-2115
- ⑧B → M6-1R(O)-2115
- ⑨ DETOUR M4-9(MOD)-3021
- ⑨A DETOUR M4-9(MOD)-3021
- ⑩ DETOUR M4-9R-3021
- ⑩A DETOUR M4-9(MOD)-3021
- ⑪ DETOUR M4-9(MOD)-3021

- ⑫ ONE WAY R6-1R-3612
- ⑬ R3-2-2424
- ⑭ ONE WAY R6-1L-3612
- ⑮ R3-1-2424
- ⑯ NO LEFT TURN R5-1-3030
- ⑰ DETOUR M4-10R-4818
- ⑱ DETOUR M4-10L-4818
- ⑲ ROAD CLOSED R11-2-4830
- ⑲ ROAD CLOSED TO THRU TRAFFIC R11-4-6030
- ⑳ END DETOUR M4-8A-2418
- ㉑ AT Algonquin Rd SUPPLEMENTAL-3612
- ㉒ AT Cary Rd SUPPLEMENTAL-3612
- ㉓ AT Main St SUPPLEMENTAL-3612
- ㉔ Cary Rd D3-1-3612
- ㉕ Harrison St D3-1-3612
- ㉖ Main St CLOSED AT Cary Rd FOLLOW DETOUR SPECIAL-4836 5" BLACK LETTERS ON ORANGE BACKGROUND
- ㉗ Harrison St CLOSED AT Algonquin Rd FOLLOW DETOUR SPECIAL-4836 5" BLACK LETTERS ON ORANGE BACKGROUND

LEGEND:

- XXXXXX ROAD CLOSED TO THRU TRAFFIC
- ROAD CLOSED
- DETOUR SIGN
- TYPE III BARRICADE
- DETOUR SIGN TYPE
- DIRECTION OF TRAVEL

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 e. Detour sign installation contractor shall call JULIE for utility locates. MCDOT may have storm drain, signal and lighting facilities in these areas that could require locates. Contact JULIE at (800) 892-0123.



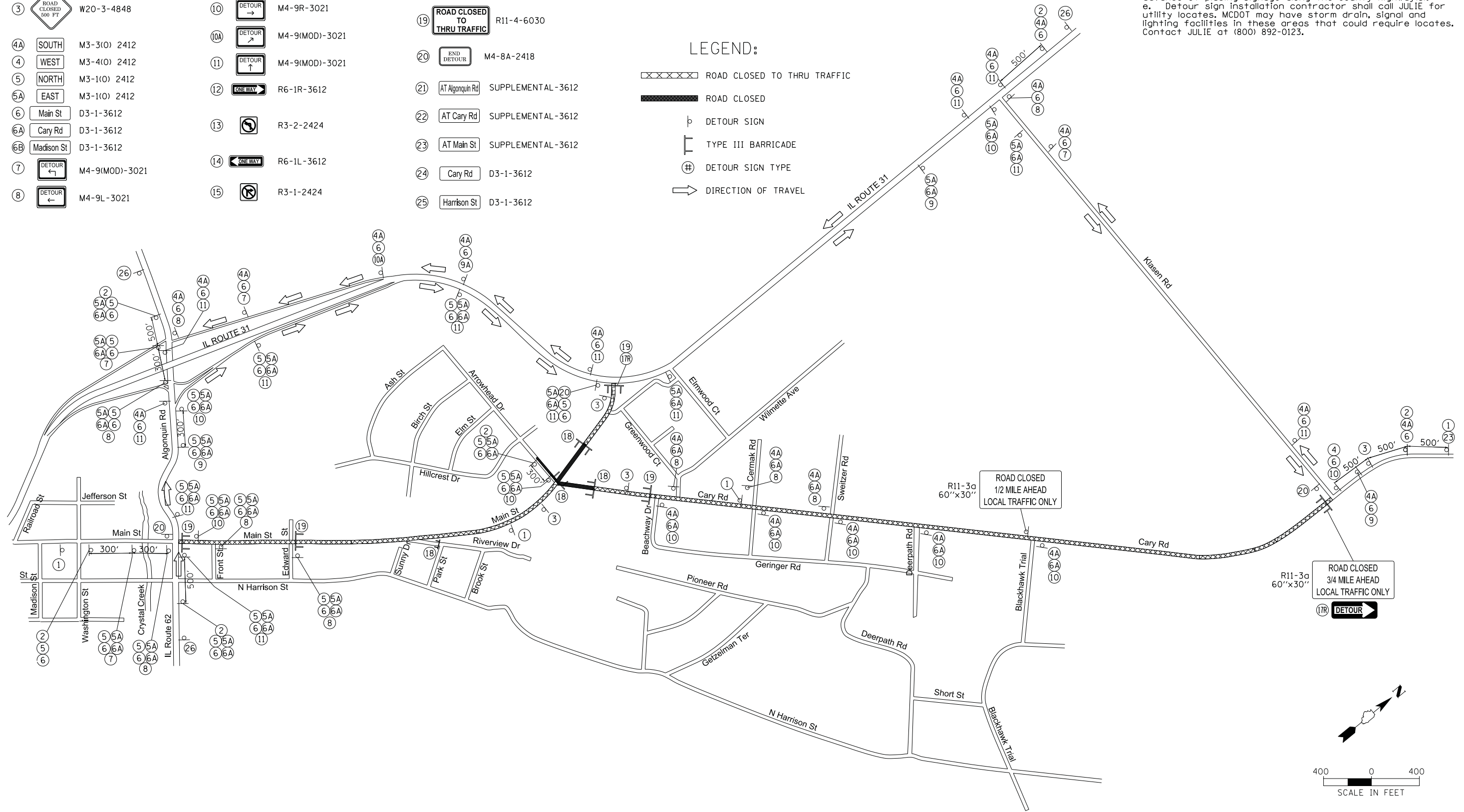
- ① ROAD CLOSED AHEAD W20-3-4848
- ② DETOUR AHEAD W20-2-4848
- ③ ROAD CLOSED 500 FT W20-3-4848
- 4A SOUTH M3-3(O) 2412
- 4 WEST M3-4(O) 2412
- 5 NORTH M3-1(O) 2412
- 5A EAST M3-1(O) 2412
- 6 Main St D3-1-3612
- 6A Cary Rd D3-1-3612
- 6B Madison St D3-1-3612
- 7 DETOUR M4-9(MOD)-3021
- 8 DETOUR M4-9L-3021
- 8A M6-1L(O)-2115
- 8B M6-1R(O)-2115
- 9 DETOUR M4-9(MOD)-3021
- 9A DETOUR M4-9(MOD)-3021
- 10 DETOUR M4-9R-3021
- 10A DETOUR M4-9(MOD)-3021
- 11 DETOUR M4-9(MOD)-3021
- 12 ONE WAY R6-1R-3612
- 13 R3-2-2424
- 14 ONE WAY R6-1L-3612
- 15 R3-1-2424
- 16 R5-1-3030
- 17R DETOUR M4-10R-4818
- 17L DETOUR M4-10L-4818
- 18 ROAD CLOSED R11-2-4830
- 19 ROAD CLOSED TO THRU TRAFFIC R11-4-6030
- 20 END DETOUR M4-8A-2418
- 21 AT Algonquin Rd SUPPLEMENTAL-3612
- 22 AT Cary Rd SUPPLEMENTAL-3612
- 23 AT Main St SUPPLEMENTAL-3612
- 24 Cary Rd D3-1-3612
- 25 Harrison St D3-1-3612

- ②6 Main St CLOSED AT Cary Rd FOLLOW DETOUR SPECIAL-4836 5" BLACK LETTERS ON ORANGE BACKGROUND
- ②7 Harrison St CLOSED AT Algonquin Rd FOLLOW DETOUR SPECIAL-4836 5" BLACK LETTERS ON ORANGE BACKGROUND

LEGEND:

- XXXXX ROAD CLOSED TO THRU TRAFFIC
- ROAD CLOSED
- DETOUR SIGN
- TYPE III BARRICADE
- DETOUR SIGN TYPE
- DIRECTION OF TRAVEL

MCHENRY COUNTY DIVISION OF TRANSPORTATION DETOUR NOTES:
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 e. Detour sign installation contractor shall call JULIE for utility locates. MCDOT may have storm drain, signal and lighting facilities in these areas that could require locates. Contact JULIE at (800) 892-0123.



FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -
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Default	PLOT SCALE = 400'	CHECKED -	REVISED -
	PLOT DATE = 12/29/2020	DATE -	REVISED -

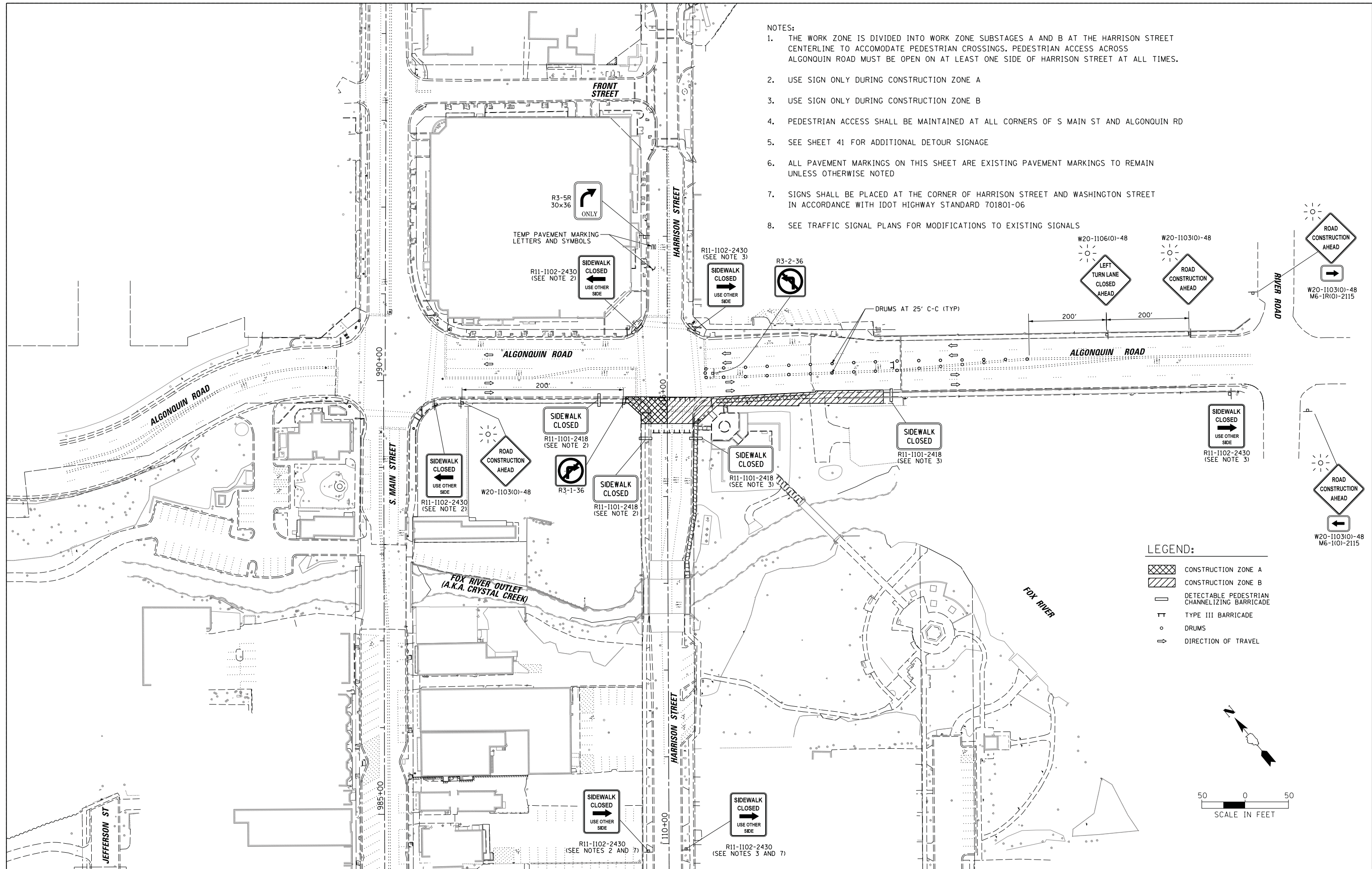
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE 1D HARRISON STREET AND MAIN STREET
DETOUR PLAN PHASE II STAGE 2 - MAIN STREET**

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

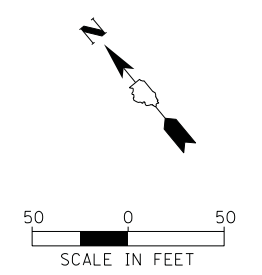
MUN. RTE. 4560/0145	SECTION 16-00090-02-PV	COUNTY MCHENRY	TOTAL SHEETS 182	SHEET NO. 44
CONTRACT NO. 61G60			ILLINOIS FED. AID PROJECT	

- NOTES:
1. THE WORK ZONE IS DIVIDED INTO WORK ZONE SUBSTAGES A AND B AT THE HARRISON STREET CENTERLINE TO ACCOMMODATE PEDESTRIAN CROSSINGS. PEDESTRIAN ACCESS ACROSS ALGONQUIN ROAD MUST BE OPEN ON AT LEAST ONE SIDE OF HARRISON STREET AT ALL TIMES.
 2. USE SIGN ONLY DURING CONSTRUCTION ZONE A
 3. USE SIGN ONLY DURING CONSTRUCTION ZONE B
 4. PEDESTRIAN ACCESS SHALL BE MAINTAINED AT ALL CORNERS OF S MAIN ST AND ALGONQUIN RD
 5. SEE SHEET 41 FOR ADDITIONAL DETOUR SIGNAGE
 6. ALL PAVEMENT MARKINGS ON THIS SHEET ARE EXISTING PAVEMENT MARKINGS TO REMAIN UNLESS OTHERWISE NOTED
 7. SIGNS SHALL BE PLACED AT THE CORNER OF HARRISON STREET AND WASHINGTON STREET IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701801-06
 8. SEE TRAFFIC SIGNAL PLANS FOR MODIFICATIONS TO EXISTING SIGNALS



LEGEND:

- CONSTRUCTION ZONE A
- CONSTRUCTION ZONE B
- DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE
- TYPE III BARRICADE
- DRUMS
- DIRECTION OF TRAVEL



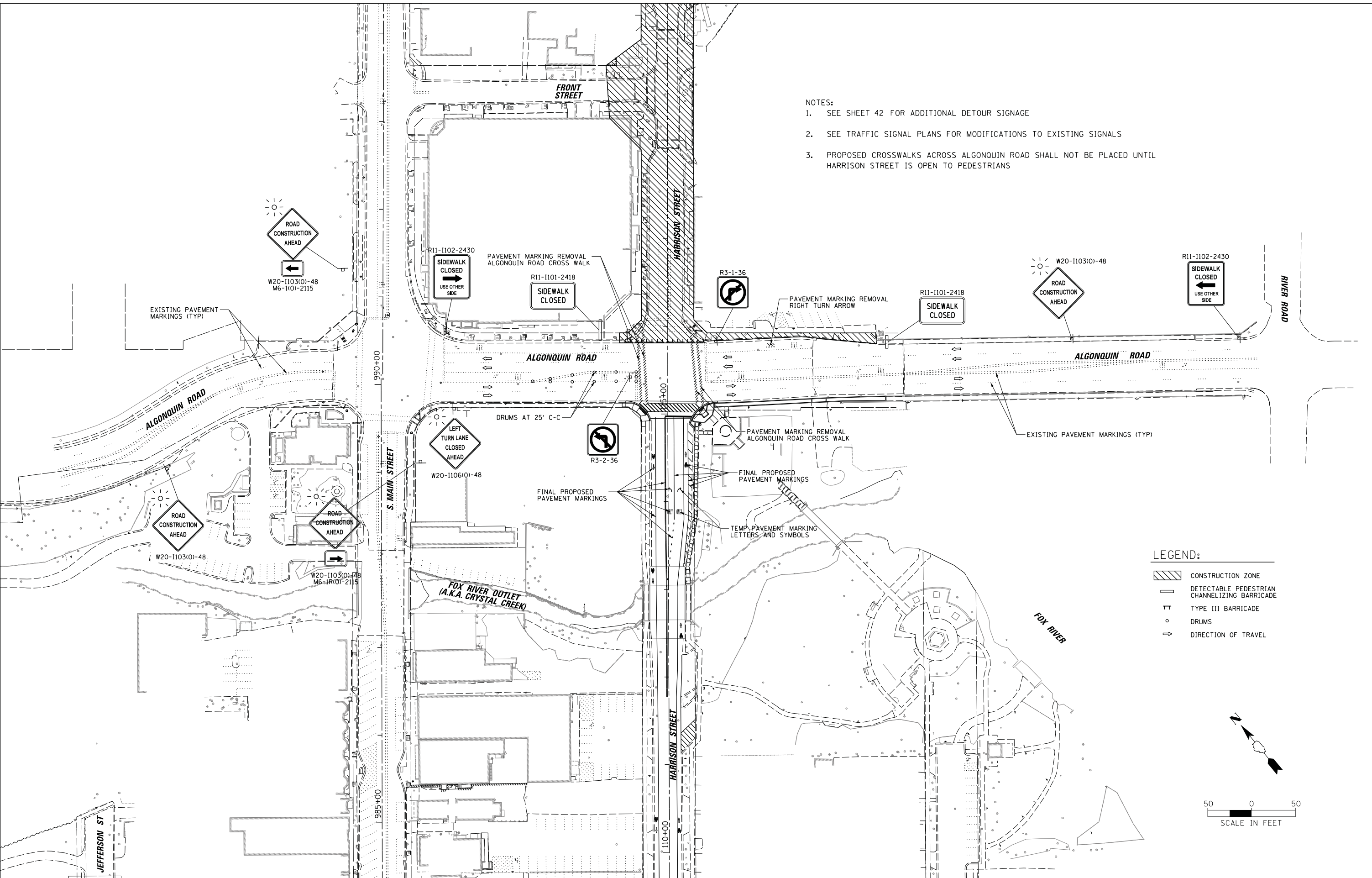
FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -
N:\ALGONQUIN\070273\070273.00132\Civil\Mot_Harr_070273_132_01.SHT		DRAWN -	REVISED -
Default		CHECKED -	REVISED -
	PLOT DATE = 12/29/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE 1D HARRISON STREET AND MAIN STREET
MAINTENANCE OF TRAFFIC PLAN PHASE I - HARRISON STREET (SOUTH)**

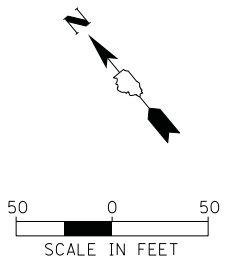
MUN. RTE. 4560/0145	SECTION 16-00090-02-PV	COUNTY MCHENRY	TOTAL SHEETS 182	SHEET NO. 45
			CONTRACT NO. 61G60	
ILLINOIS FED. AID PROJECT				

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



- NOTES:
1. SEE SHEET 42 FOR ADDITIONAL DETOUR SIGNAGE
 2. SEE TRAFFIC SIGNAL PLANS FOR MODIFICATIONS TO EXISTING SIGNALS
 3. PROPOSED CROSSWALKS ACROSS ALGONQUIN ROAD SHALL NOT BE PLACED UNTIL HARRISON STREET IS OPEN TO PEDESTRIANS

- LEGEND:
- CONSTRUCTION ZONE
 - DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE
 - TYPE III BARRICADE
 - DRUMS
 - DIRECTION OF TRAVEL



FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -
N:\ALGONQUIN\070273\070273.00132\Civil\Mot_Harr_070273_132_02.SHT		DRAWN -	REVISED -
Default		CHECKED -	REVISED -
	PLOT DATE = 12/29/2020	DATE -	REVISED -

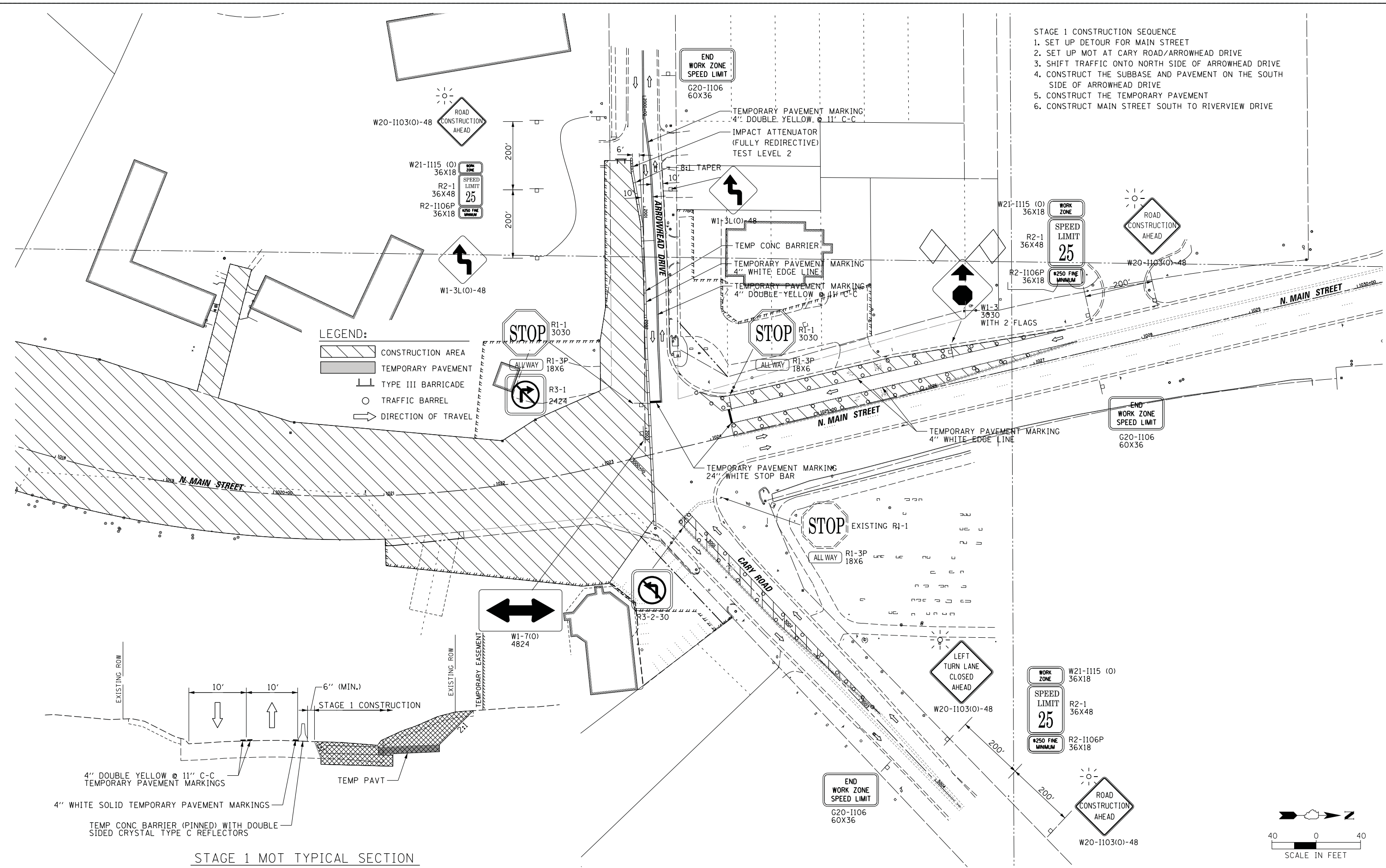
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE 1D HARRISON STREET AND MAIN STREET
MAINTENANCE OF TRAFFIC PLAN PHASE I- HARRISON STREET (NORTH)**

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4560/0145	16-00090-02-PV	MCHENRY	182	46
			CONTRACT NO. 61G60	
ILLINOIS FED. AID PROJECT				

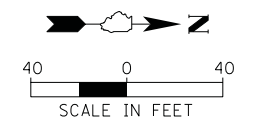
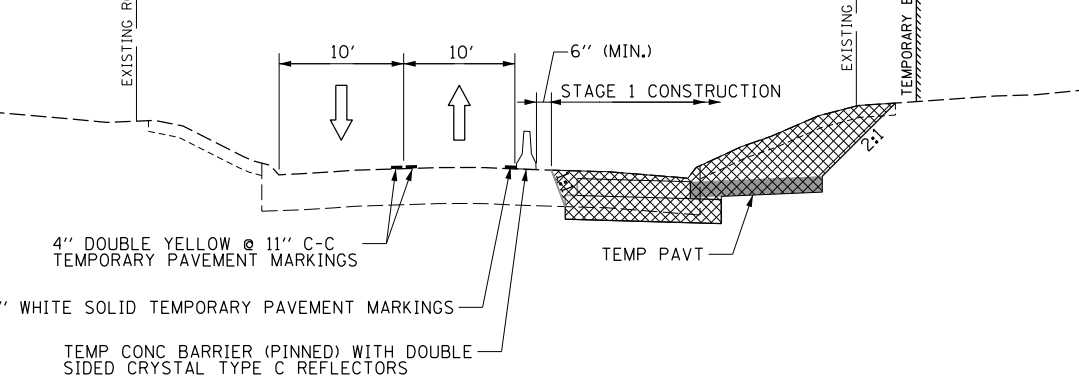
SCALE: \$SCALE\$ SHEET OF SHEETS STA. TO STA.

- STAGE 1 CONSTRUCTION SEQUENCE
1. SET UP DETOUR FOR MAIN STREET
 2. SET UP MOT AT CARY ROAD/ARROWHEAD DRIVE
 3. SHIFT TRAFFIC ONTO NORTH SIDE OF ARROWHEAD DRIVE
 4. CONSTRUCT THE SUBBASE AND PAVEMENT ON THE SOUTH SIDE OF ARROWHEAD DRIVE
 5. CONSTRUCT THE TEMPORARY PAVEMENT
 6. CONSTRUCT MAIN STREET SOUTH TO RIVERVIEW DRIVE



LEGEND:

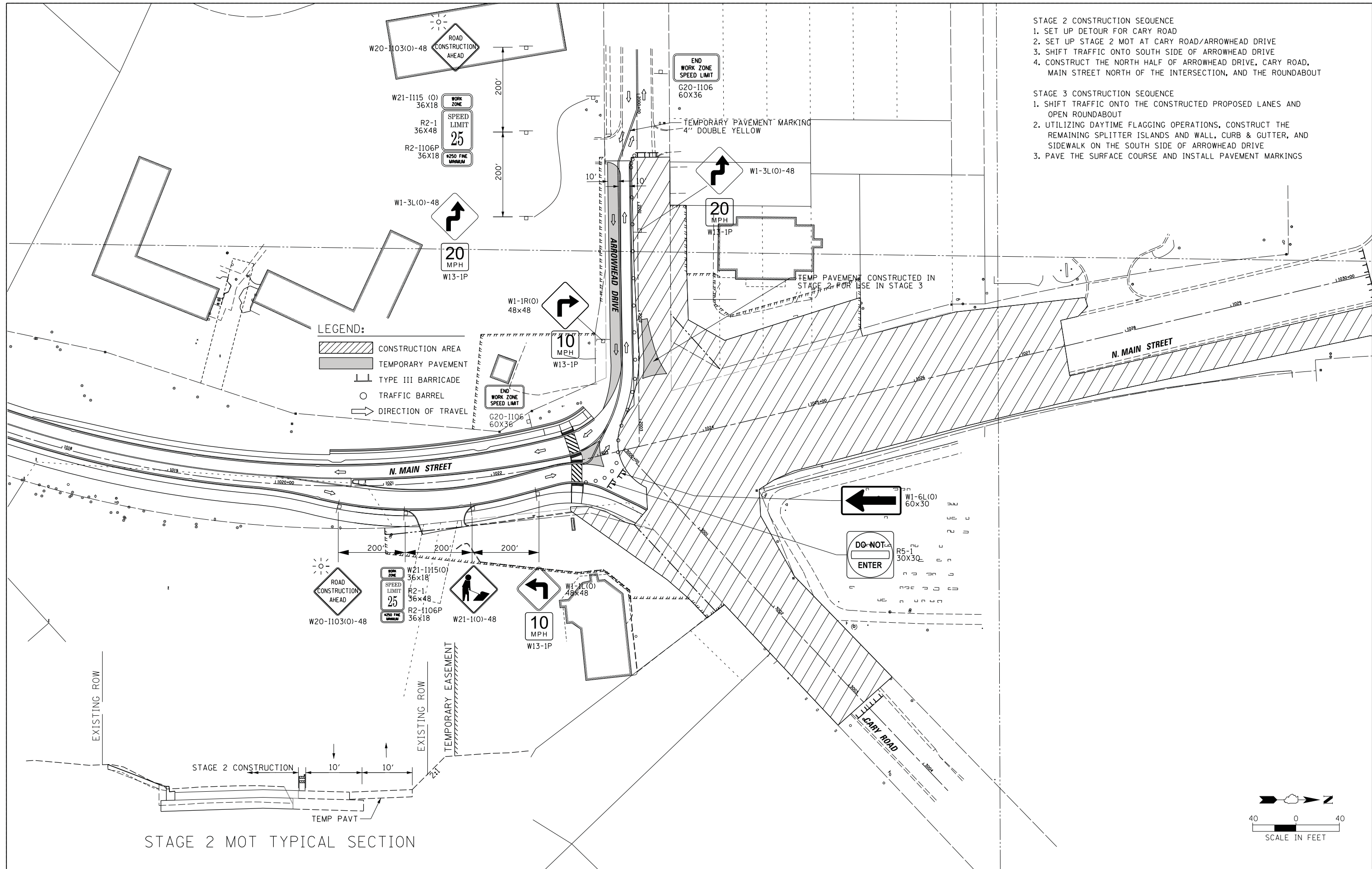
- CONSTRUCTION AREA
- TEMPORARY PAVEMENT
- TYPE III BARRICADE
- TRAFFIC BARREL
- DIRECTION OF TRAVEL



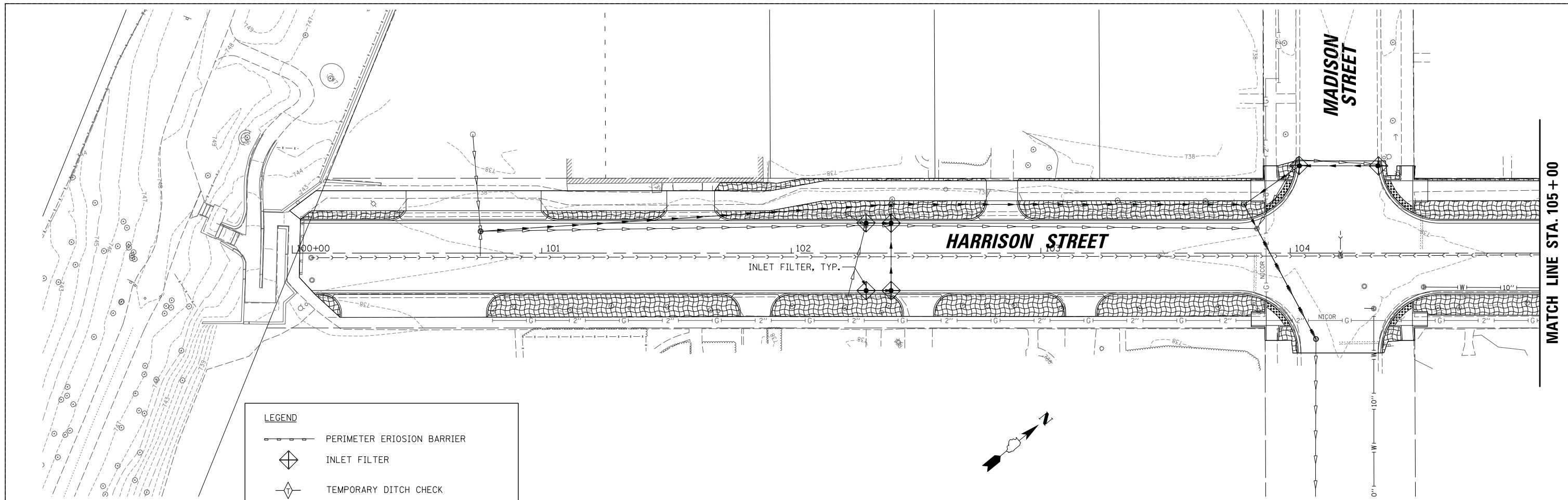
FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1D HARRISON STREET AND MAIN STREET MAINTENANCE OF TRAFFIC PLAN PHASE II STAGE 1 - MAIN STREET			MUN. RTE. 4560/0145	SECTION 16-00090-02-PV	COUNTY MCHENRY	TOTAL SHEETS 182	SHEET NO. 47
Default	Plot Main_070273.132.01.SHT	DRAWN -	REVISED -		SCALE: \$SCALE\$	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 61G60
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	PLOT DATE = 12/29/2020	DATE -	REVISED -									

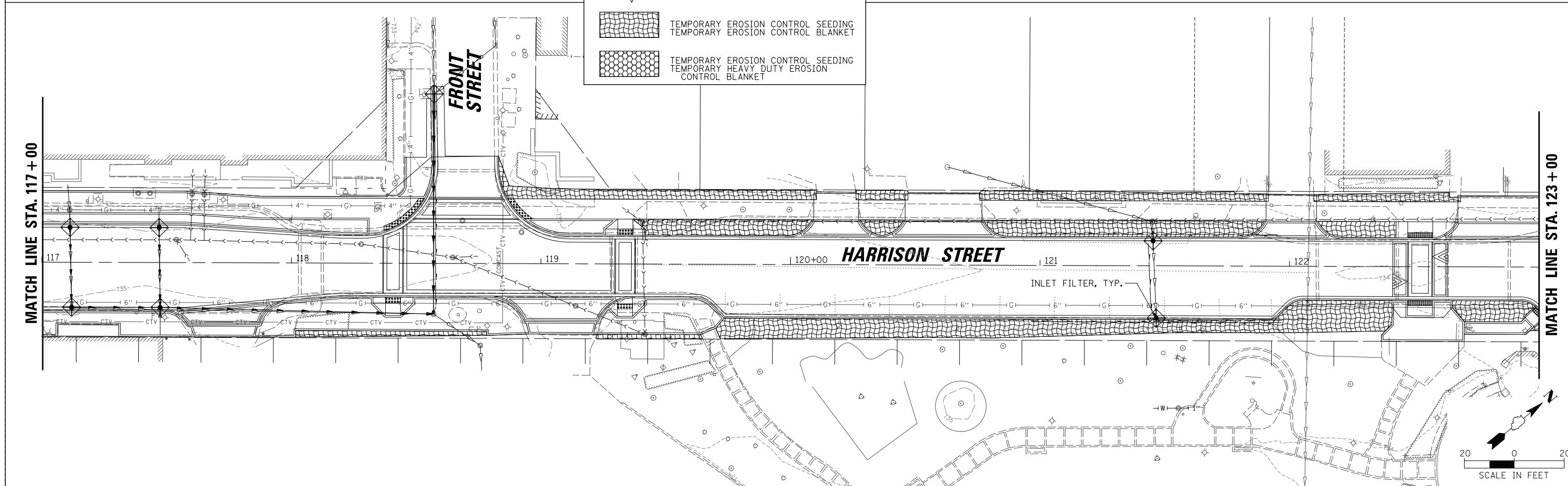
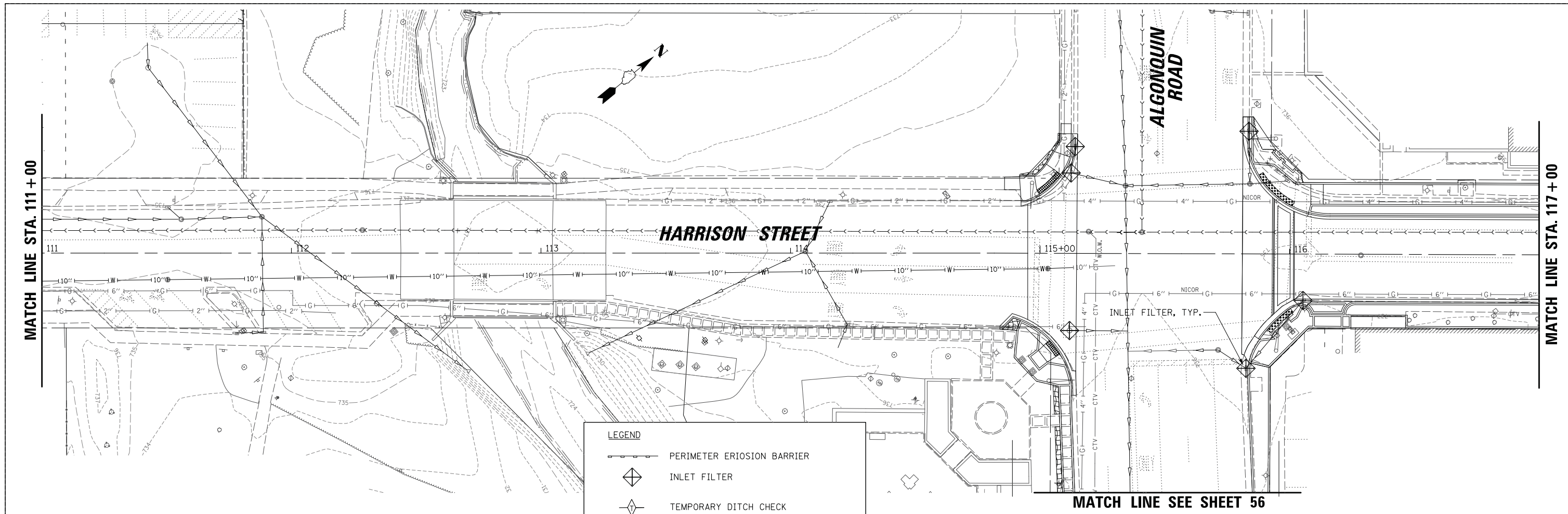
- STAGE 2 CONSTRUCTION SEQUENCE
1. SET UP DETOUR FOR CARY ROAD
 2. SET UP STAGE 2 MOT AT CARY ROAD/ARROWHEAD DRIVE
 3. SHIFT TRAFFIC ONTO SOUTH SIDE OF ARROWHEAD DRIVE
 4. CONSTRUCT THE NORTH HALF OF ARROWHEAD DRIVE, CARY ROAD, MAIN STREET NORTH OF THE INTERSECTION, AND THE ROUNDABOUT

- STAGE 3 CONSTRUCTION SEQUENCE
1. SHIFT TRAFFIC ONTO THE CONSTRUCTED PROPOSED LANES AND OPEN ROUNDABOUT
 2. UTILIZING DAYTIME FLAGGING OPERATIONS, CONSTRUCT THE REMAINING SPLITTER ISLANDS AND WALL, CURB & GUTTER, AND SIDEWALK ON THE SOUTH SIDE OF ARROWHEAD DRIVE
 3. PAVE THE SURFACE COURSE AND INSTALL PAVEMENT MARKINGS



FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1D HARRISON STREET AND MAIN STREET MAINTENANCE OF TRAFFIC PLAN PHASE II STAGE 2 - MAIN STREET			MUN. RTE. 4560/0145	SECTION 16-00090-02-PV	COUNTY MCHENRY	TOTAL SHEETS 182	SHEET NO. 48
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Default	PLOT DATE = 12/29/2020	CHECKED -	REVISED -									CONTRACT NO. 61G60
		DATE -	REVISED -									





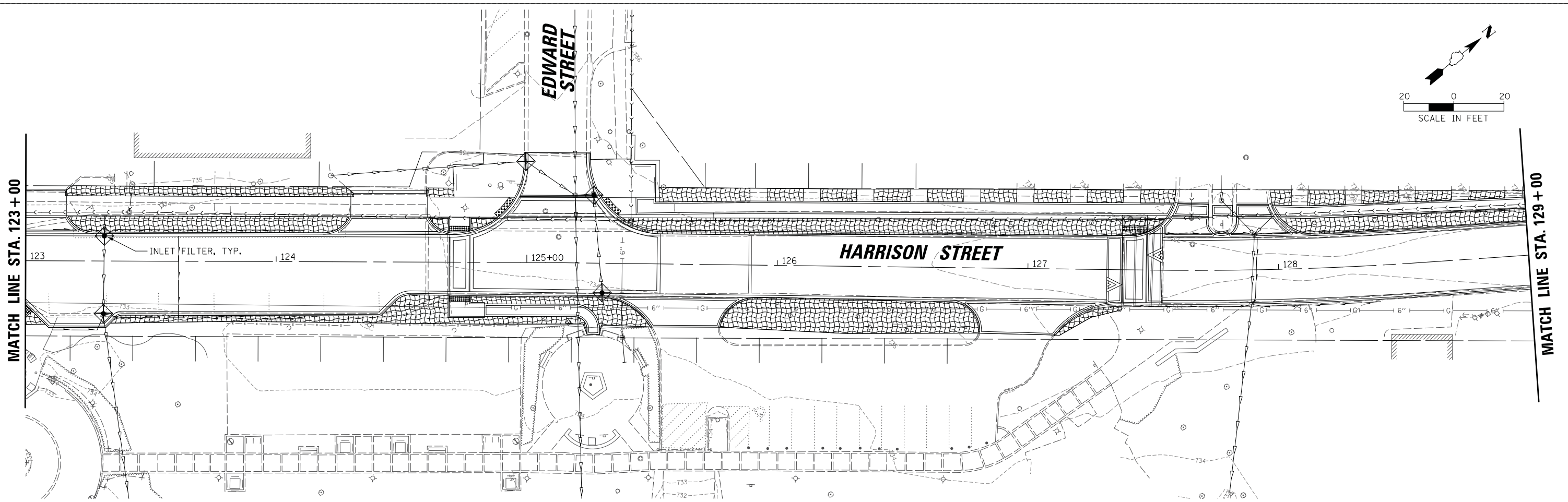
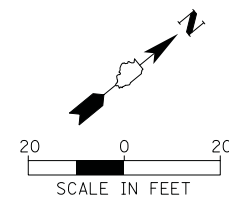
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Default		CHECKED -	REVISED -
	PLOT DATE = 12/5/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

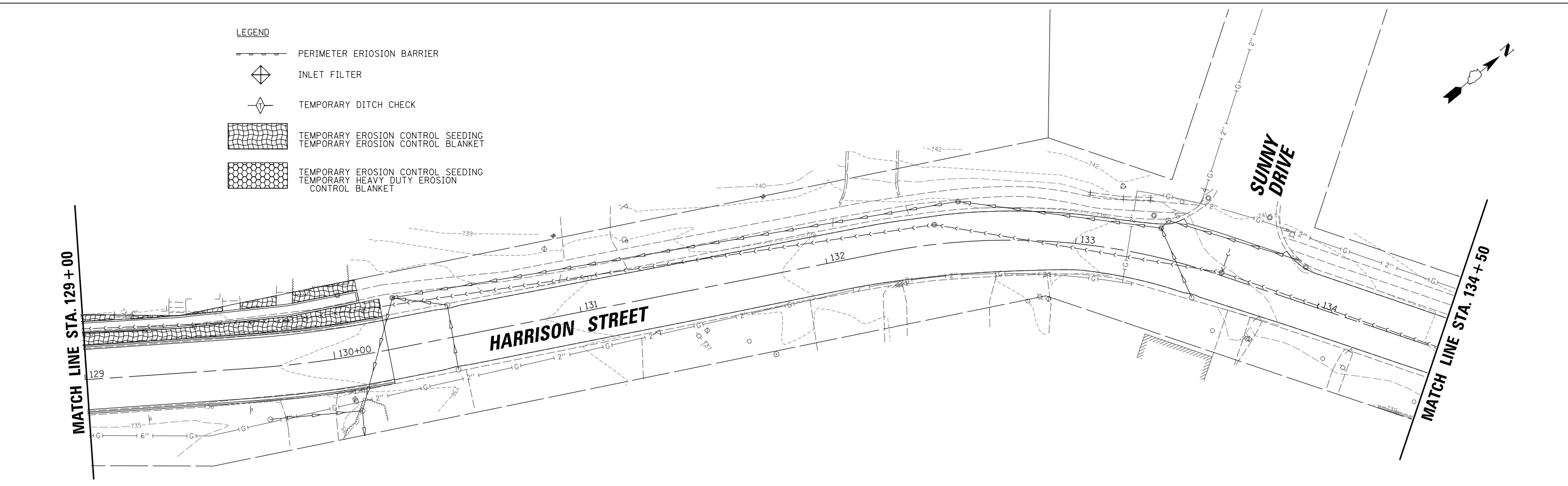
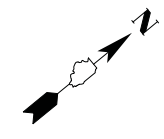
**STAGE 1D HARRISON STREET AND MAIN STREET
HARRISON STREET EROSION CONTROL PLAN**

SCALE: \$SCALE\$ SHEET OF SHEETS STA. TO STA.

MUN. R.T.E. 4560/0145	SECTION 16-00090-02-PV	COUNTY MCHENRY	TOTAL SHEETS 182	SHEET NO. 50
			CONTRACT NO. 61G60	
ILLINOIS FED. AID PROJECT				



- LEGEND**
- PERIMETER EROSION BARRIER
 - INLET FILTER
 - TEMPORARY DITCH CHECK
 - TEMPORARY EROSION CONTROL SEEDING
TEMPORARY EROSION CONTROL BLANKET
 - TEMPORARY EROSION CONTROL SEEDING
TEMPORARY HEAVY DUTY EROSION CONTROL BLANKET



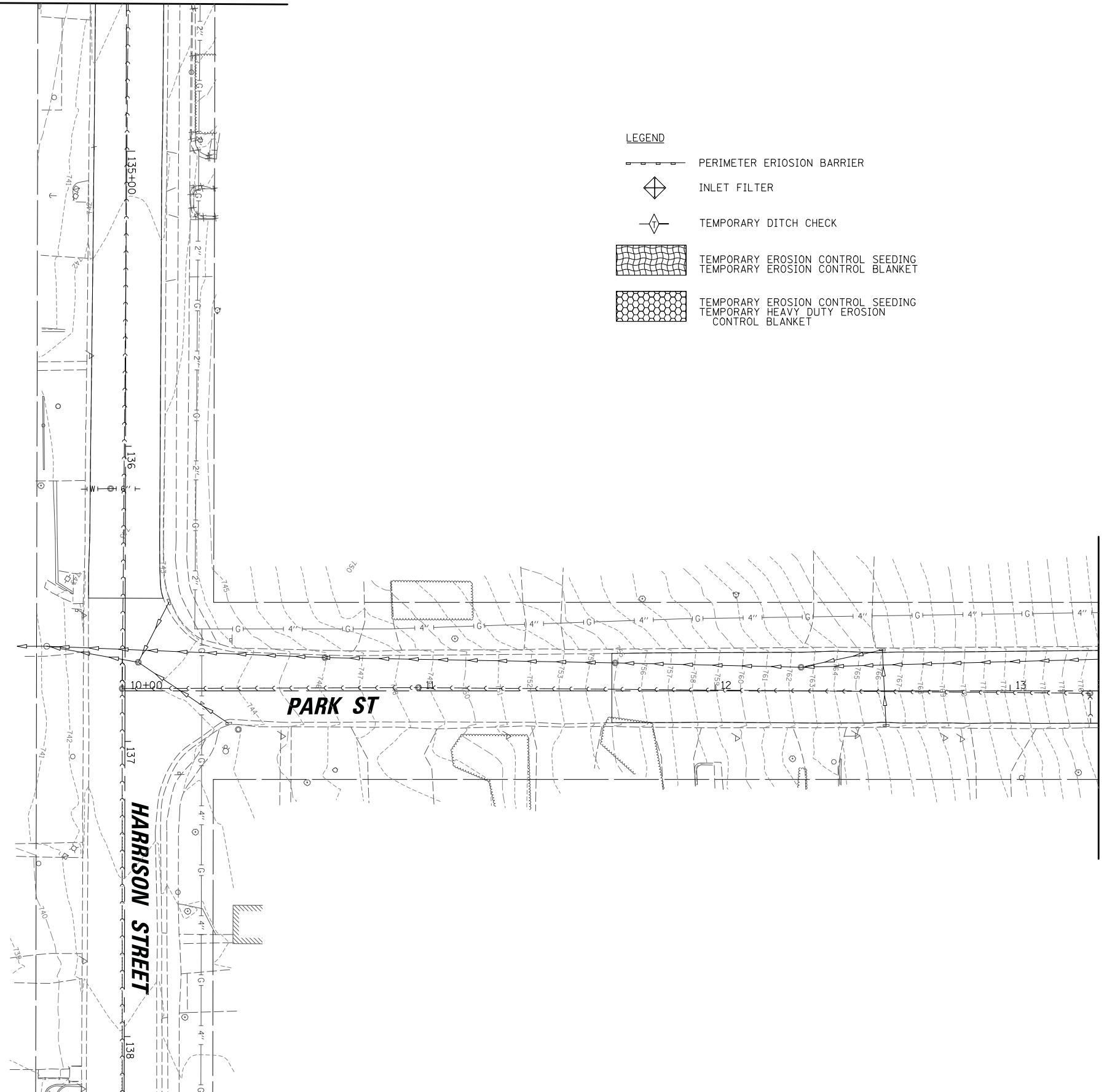
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Default	PLOT SCALE = 28'	CHECKED -	REVISED -
	PLOT DATE = 12/5/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

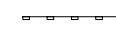


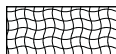
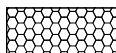
STAGE 1D HARRISON STREET AND MAIN STREET HARRISON STREET EROSION CONTROL PLAN			
SCALE: \$SCALE\$	SHEET	OF SHEETS	STA. TO STA.

MUN. RTE. 4560/0145	SECTION 16-00090-02-PV	COUNTY MCHENRY	TOTAL SHEETS 182	SHEET NO. 51
			CONTRACT NO. 61G60	
ILLINOIS FED. AID PROJECT				

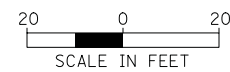
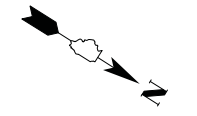
MATCH LINE STA. 134 + 50



LEGEND

-  PERIMETER EROSION BARRIER
-  INLET FILTER
-  TEMPORARY DITCH CHECK
-  TEMPORARY EROSION CONTROL SEEDING
TEMPORARY EROSION CONTROL BLANKET
-  TEMPORARY EROSION CONTROL SEEDING
TEMPORARY HEAVY DUTY EROSION CONTROL BLANKET

MATCH LINE STA. 13 + 30



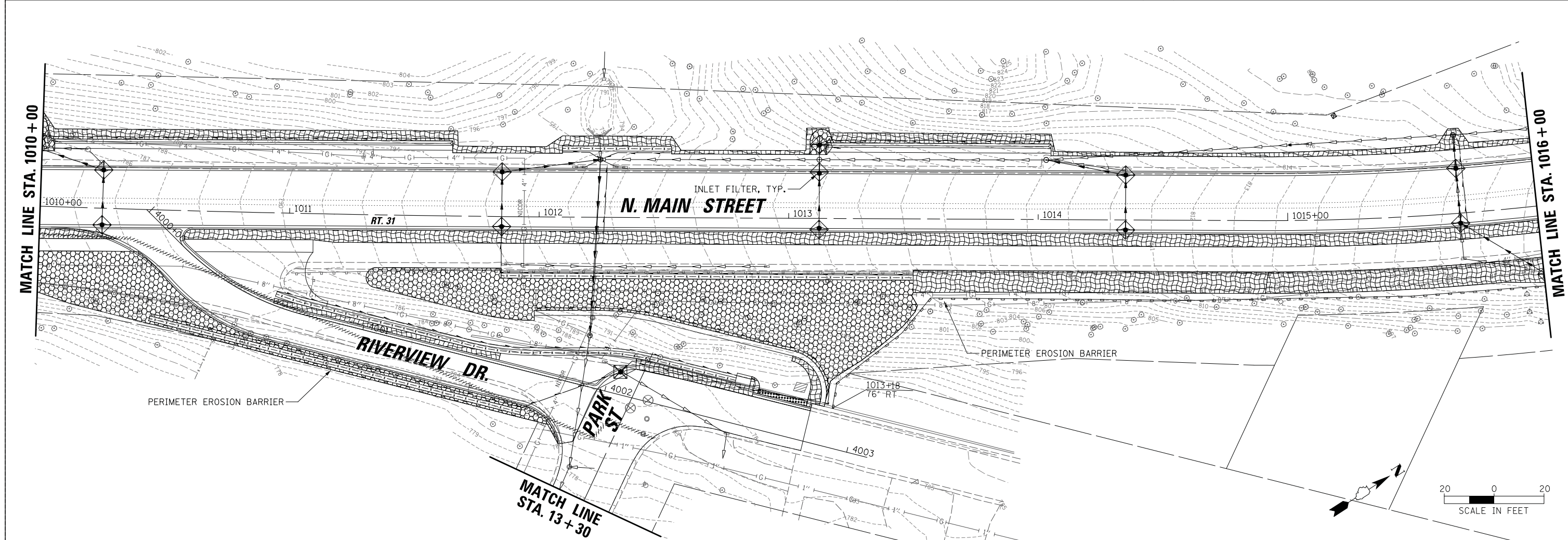
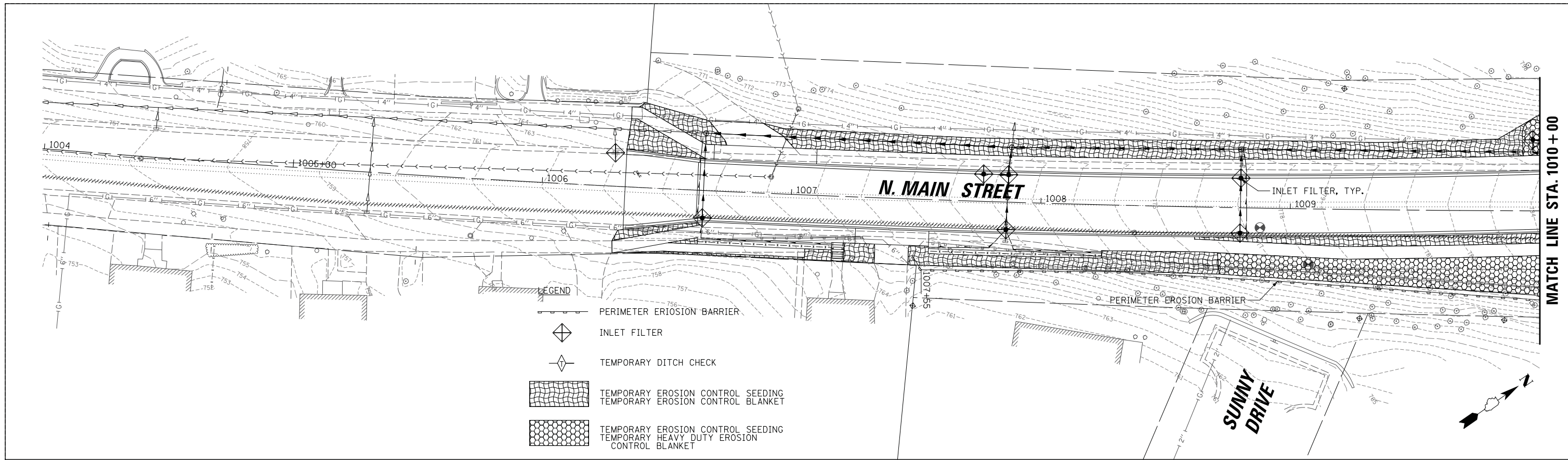
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Default	PLOT SCALE = 28'	CHECKED -	REVISED -
	PLOT DATE = 12/5/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

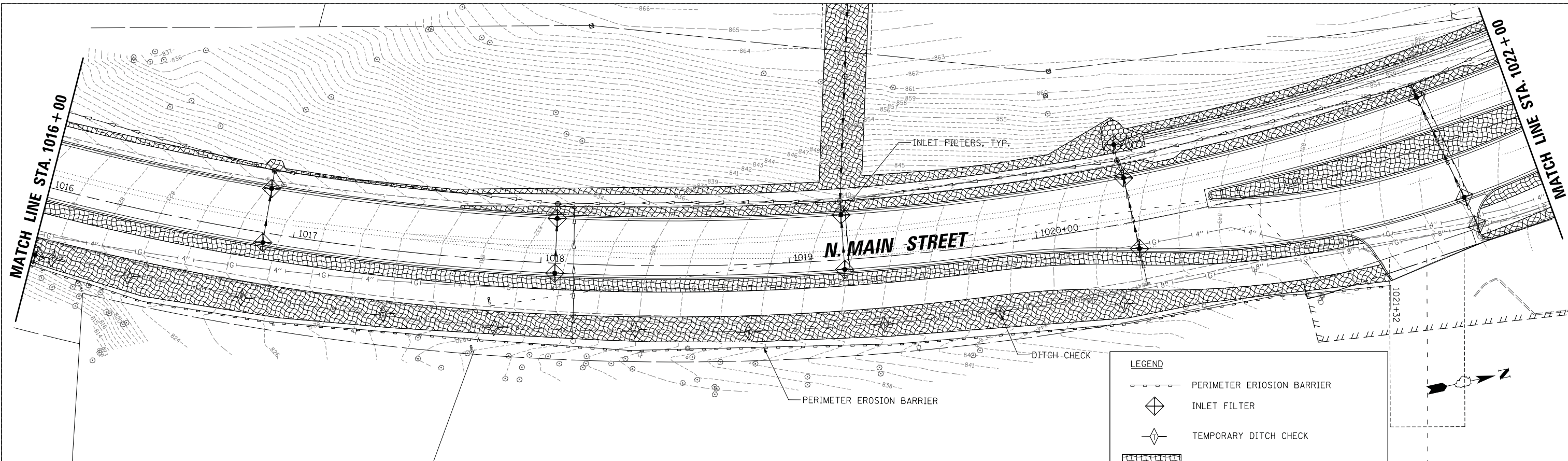
STAGE 1D HARRISON STREET AND MAIN STREET
HARRISON & PARK STREET EROSION CONTROL PLAN

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

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4560/0145	16-00090-02-PV	MCHENRY	182	52
			CONTRACT NO. 61G60	
ILLINOIS FED. AID PROJECT				

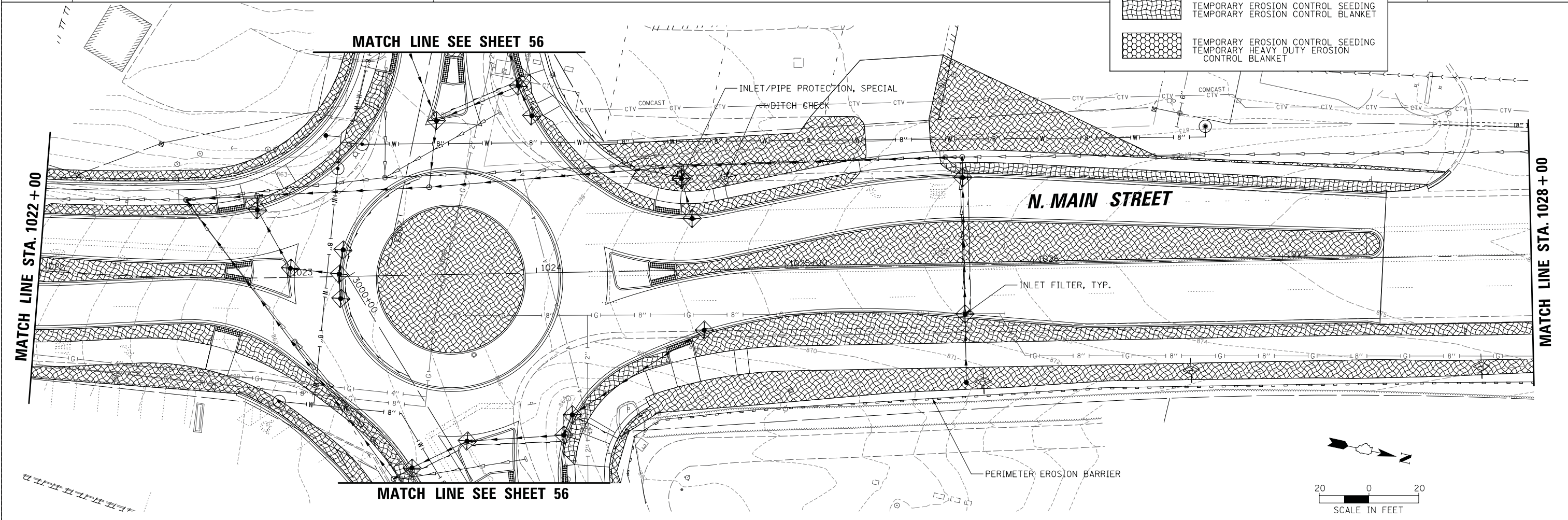


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N:\ALGONQUIN\070273\070273.00132\Civil\ECP_Main_070273.132_01.SHT		DRAWN -	REVISED -			4560/0145	16-00090-02-PV	MCHENRY	182	53
Default	PLOT SCALE = 28'	CHECKED -	REVISED -			CONTRACT NO. 61G60				
	PLOT DATE = 12/5/2020	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				



LEGEND

- PERIMETER EROSION BARRIER
- INLET FILTER
- TEMPORARY DITCH CHECK
- TEMPORARY EROSION CONTROL SEEDING
TEMPORARY EROSION CONTROL BLANKET
- TEMPORARY EROSION CONTROL SEEDING
TEMPORARY HEAVY DUTY EROSION
CONTROL BLANKET



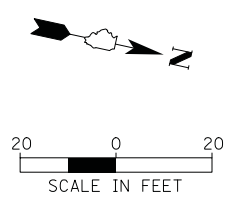
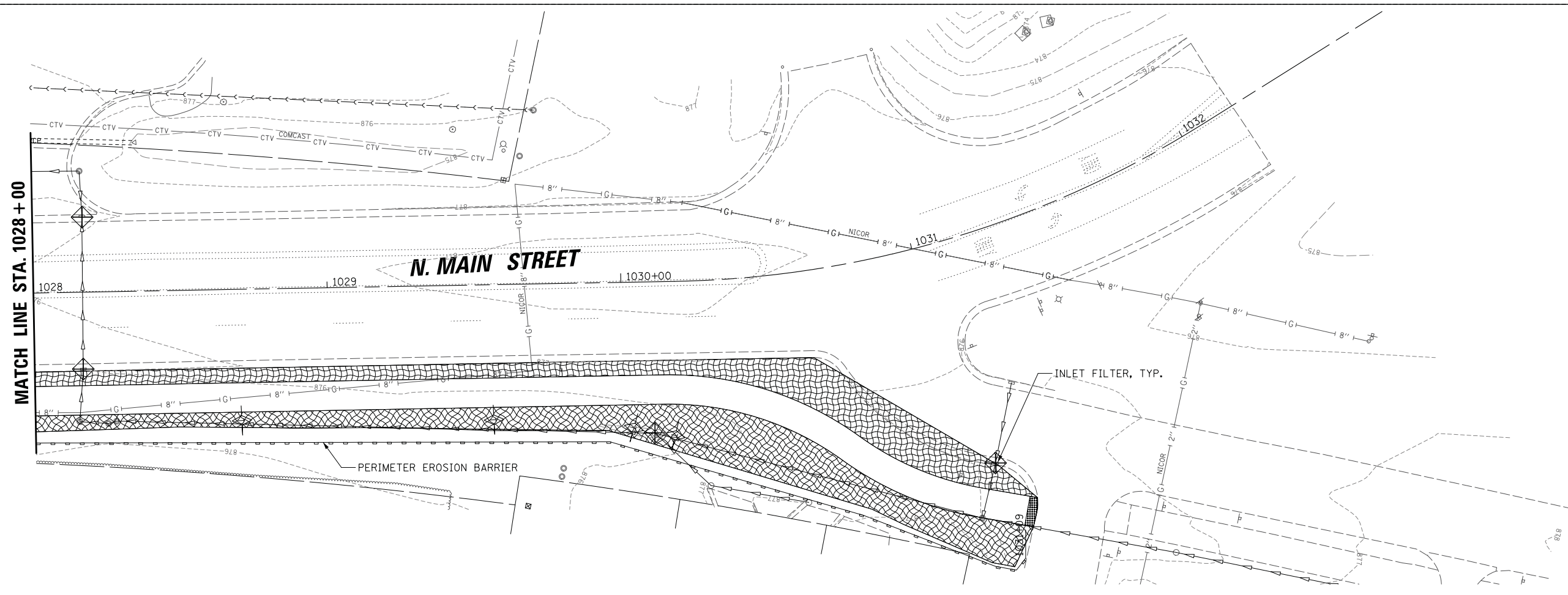
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Default	PLOT SCALE = 28'	CHECKED -	REVISED -
	PLOT DATE = 12/5/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE 1D HARRISON STREET AND MAIN STREET
MAIN STREET EXISTING CONDITIONS AND REMOVAL PLANS**

SCALE: \$SCALE\$ SHEET OF SHEETS STA. TO STA.

MUN. RTE. 4560/0145	SECTION 16-00090-02-PV	COUNTY MCHENRY	TOTAL SHEETS 182	SHEET NO. 54
CONTRACT NO. 61G60			ILLINOIS FED. AID PROJECT	



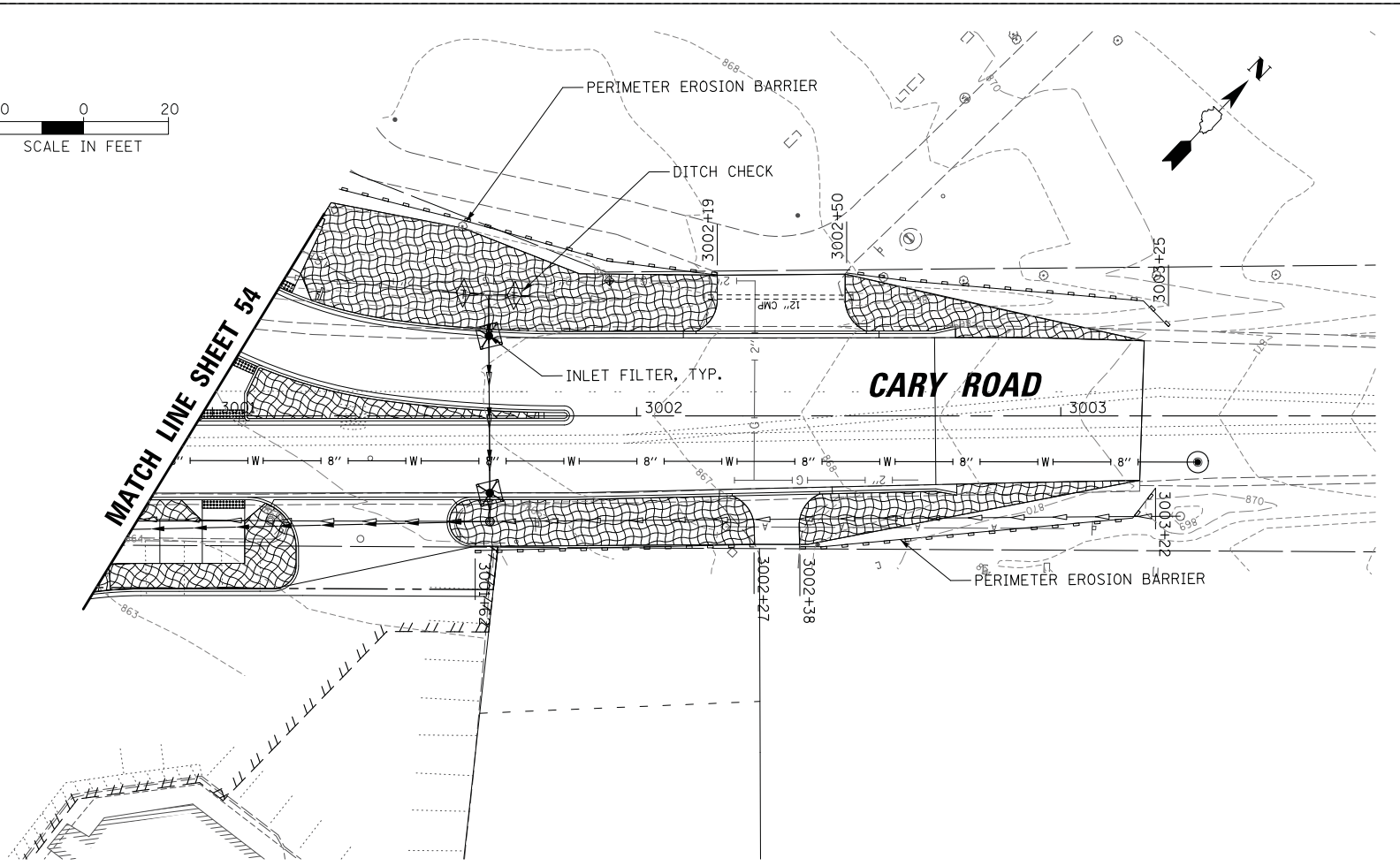
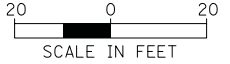
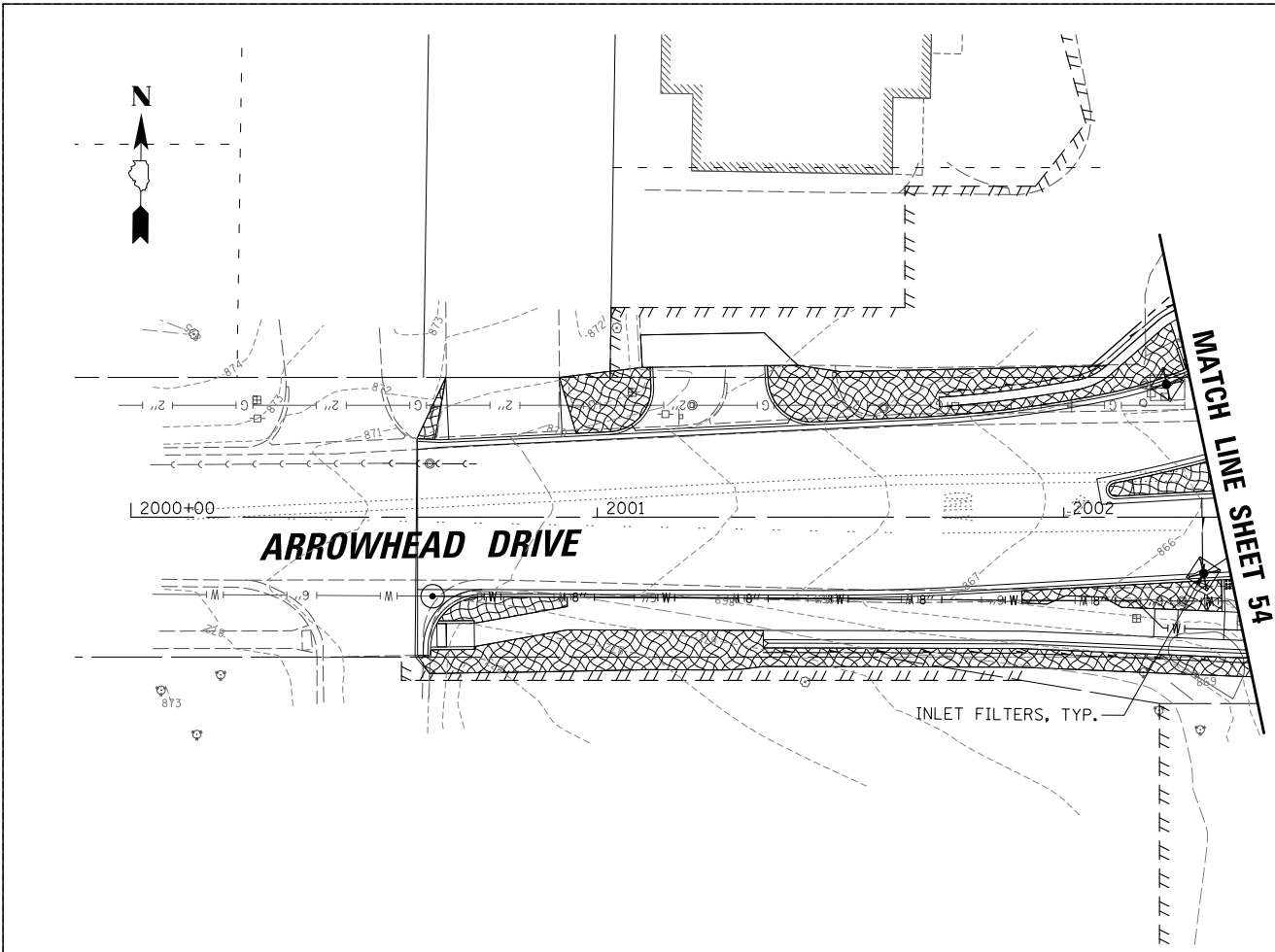
- LEGEND**
- PERIMETER EROSION BARRIER
 - INLET FILTER
 - TEMPORARY DITCH CHECK
 - TEMPORARY EROSION CONTROL SEEDING
TEMPORARY EROSION CONTROL BLANKET
 - TEMPORARY EROSION CONTROL SEEDING
TEMPORARY HEAVY DUTY EROSION CONTROL BLANKET

FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -
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	PLOT DATE = 12/5/2020	DATE -	REVISED -

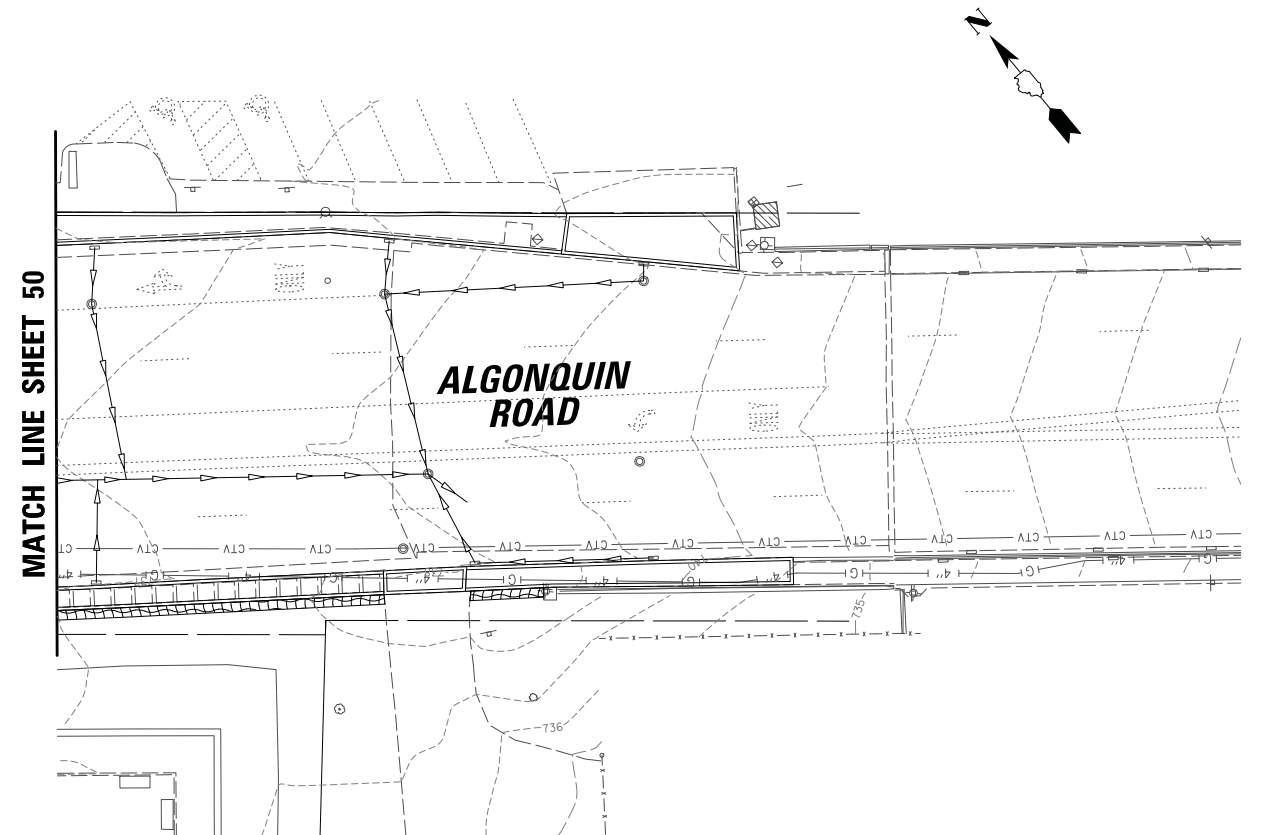
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1D HARRISON STREET AND MAIN STREET MAIN STREET EROSION CONTROL PLAN			
SCALE: \$SCALE\$	SHEET	OF	SHEETS
	STA.	TO	STA.

MUN. RTE. 4560/0145	SECTION 16-00090-02-PV	COUNTY MCHENRY	TOTAL SHEETS 182	SHEET NO. 55
ILLINOIS FED. AID PROJECT				CONTRACT NO. 61G60



- LEGEND**
- PERIMETER EROSION BARRIER
 - INLET FILTER
 - TEMPORARY DITCH CHECK
 - TEMPORARY EROSION CONTROL SEEDING
TEMPORARY EROSION CONTROL BLANKET
 - TEMPORARY EROSION CONTROL SEEDING
TEMPORARY HEAVY DUTY EROSION CONTROL BLANKET



FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -
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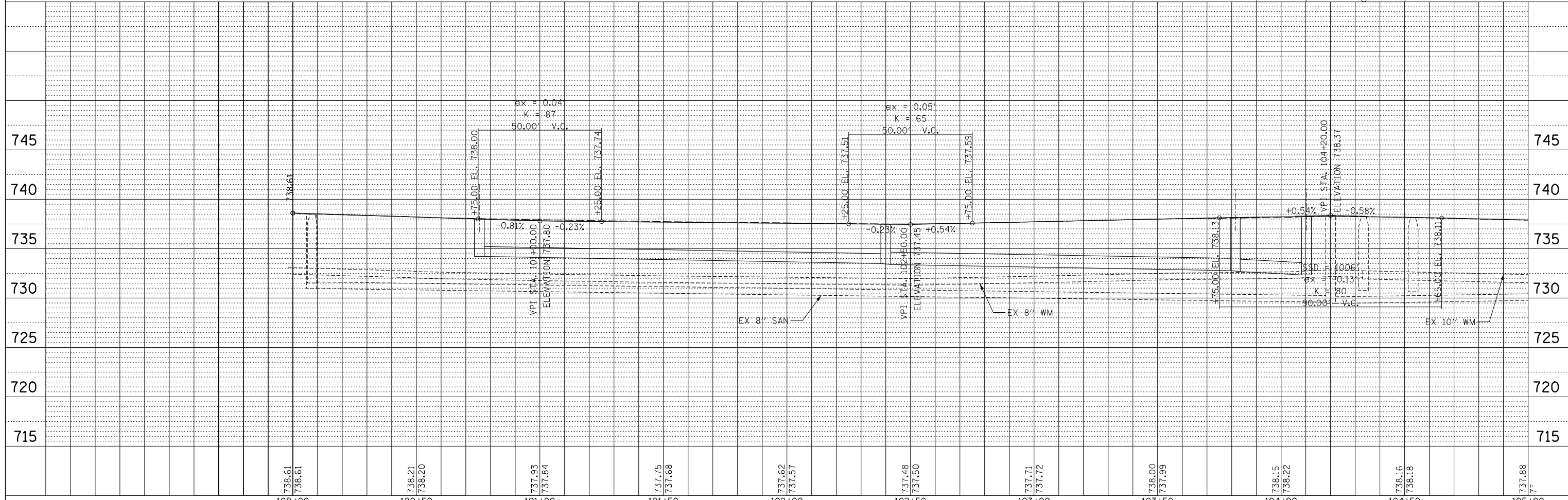
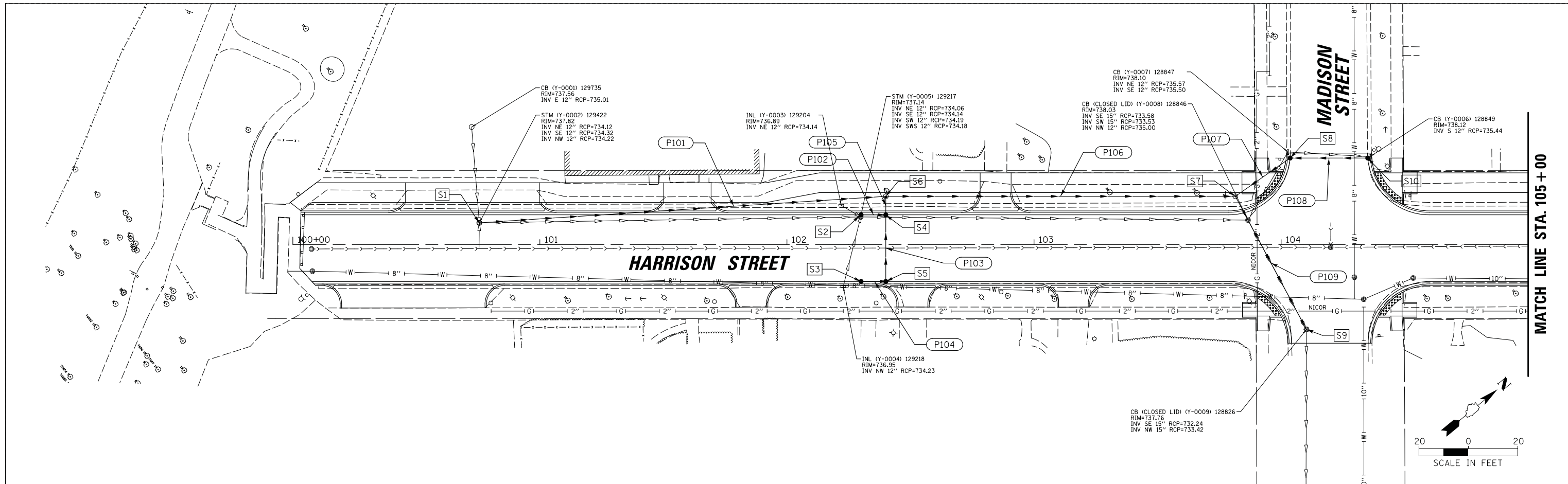
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1D HARRISON STREET AND MAIN STREET ARROWHEAD DR, CARY RD AND ALGONQUIN RD EROSION CONTROL PLAN			
SCALE: \$SCALE\$	SHEET	OF SHEETS	STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4560/0145	16-00090-02-PV	MCHENRY	182	56
				CONTRACT NO. 61G60
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
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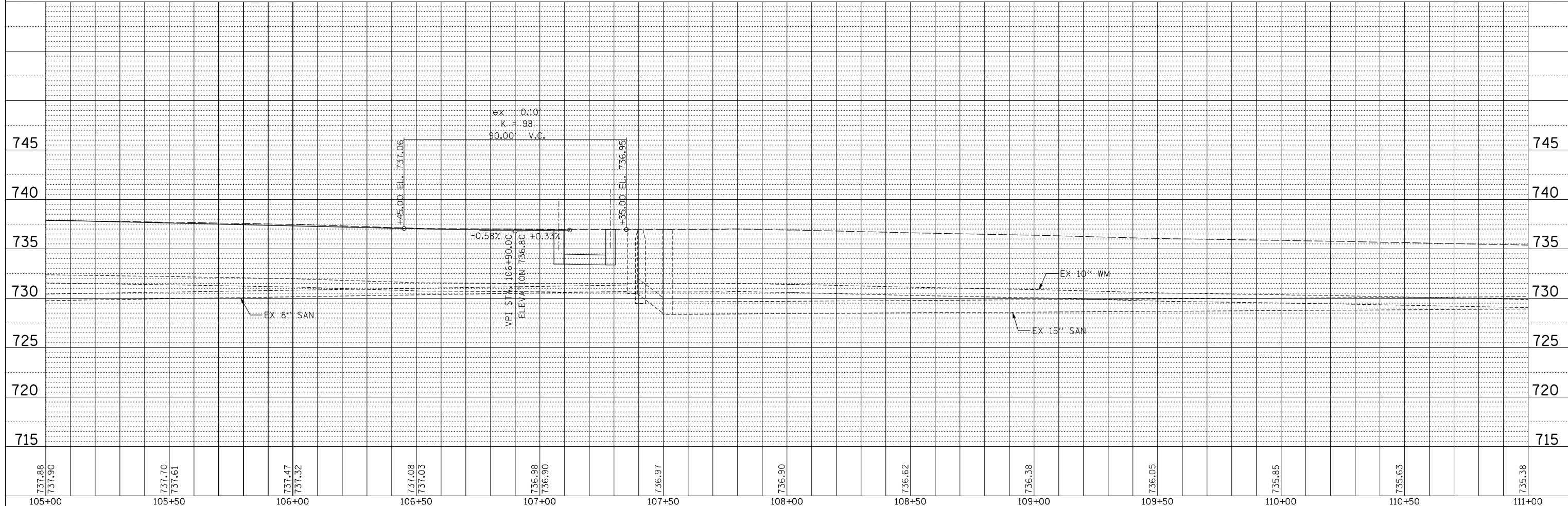
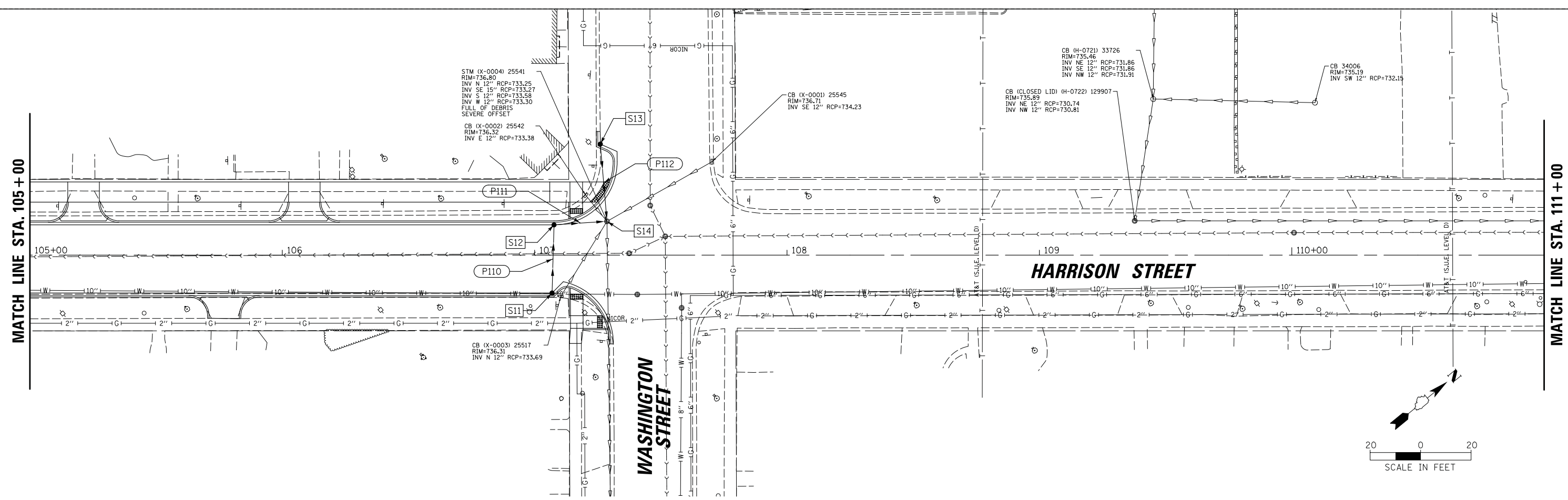
PROFILE	SURVEYED	DATE
	PLOTTED	BY
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	STRUCTURE	
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	CHRD	
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FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1D - HARRISON STREET AND MAIN STREET HARRISON STREET DRAINAGE PLAN AND PROFILE	MUN. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	Plot Scale = 20'	DRAWN -	REVISED -			4560/0145	16-00090-02-PV	McHenry	182	57	
	Plot Date = 12/5/2020	CHECKED -	REVISED -			CONTRACT NO. 61G60					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	STRUCTURE		
	NOTATION		
	NO.		



FILE NAME =	USER NAME = morman	DESIGNED -	REVISED -
Default	Plot Date = 12/5/2020	DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

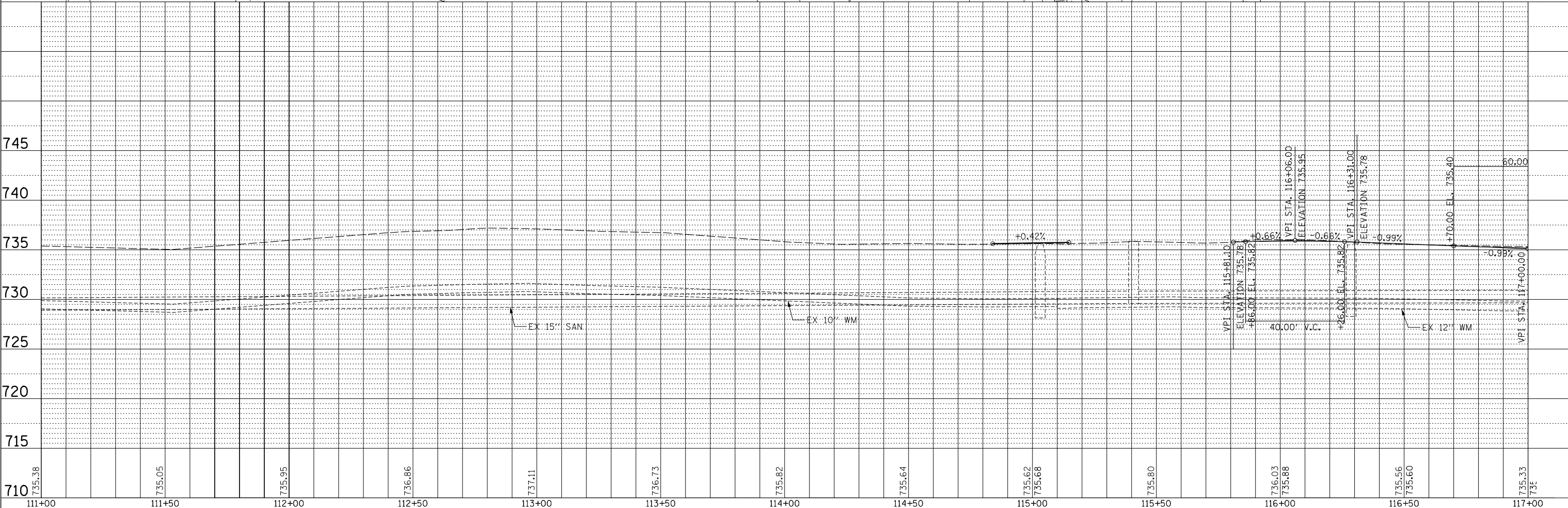
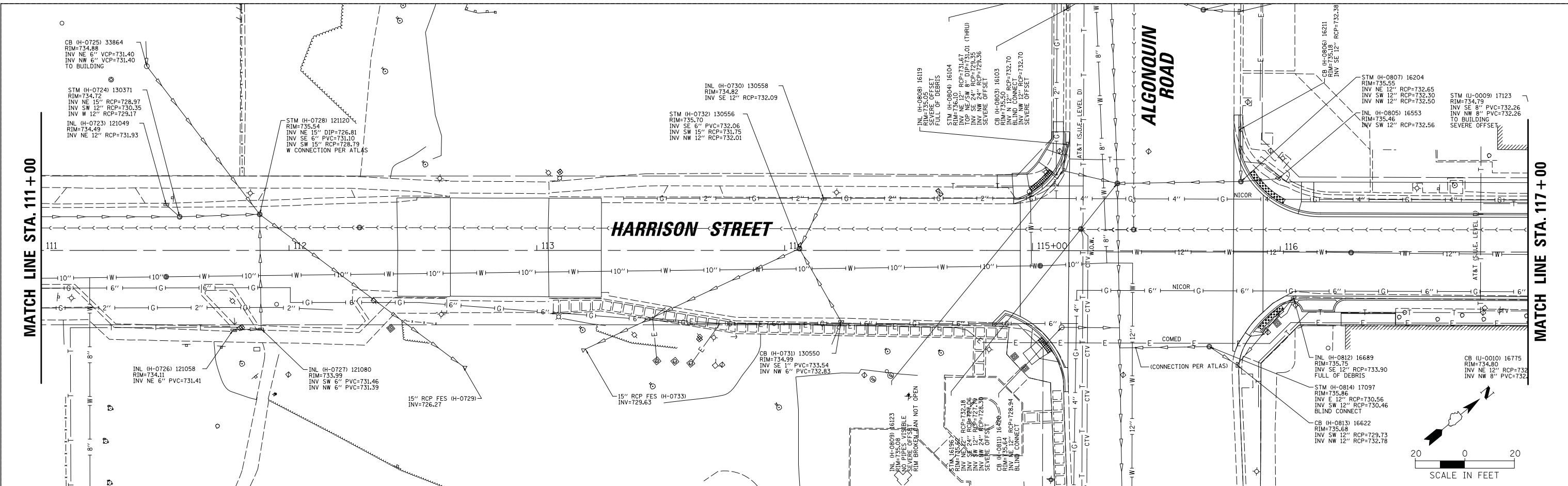
**STAGE 1D - HARRISON STREET AND MAIN STREET
HARRISON STREET DRAINAGE PLAN AND PROFILE**

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4560/0145	16-00090-02-PV	McHenry	182	58
CONTRACT NO. 61G60			ILLINOIS FED. AID PROJECT	

SCALE: 20' SHEET OF SHEETS STA. TO STA.

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ATLANTA		
	CARD FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	GRADES		
	STRUCTURE		
	NOTATIS CHFD		
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FILE NAME =	USER NAME = morman	DESIGNED -	REVISED -
Default	Harr_070273.132_03.SHT	DRAWN -	REVISED -
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	PLOT DATE = 12/5/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

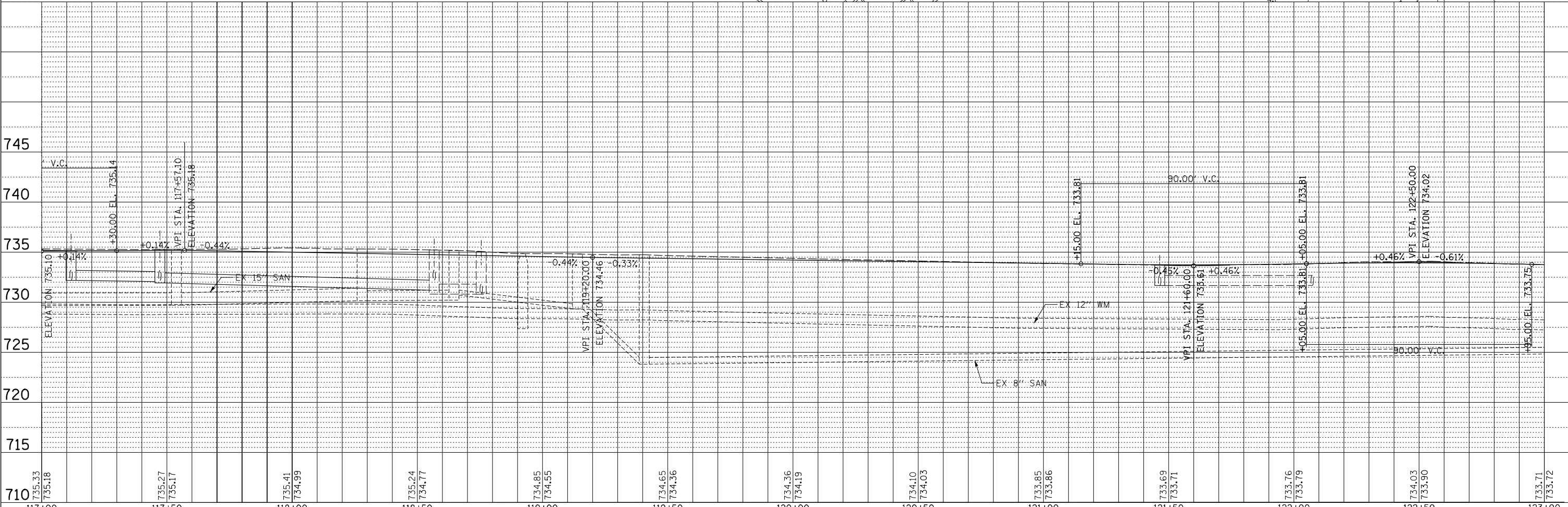
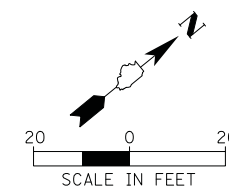
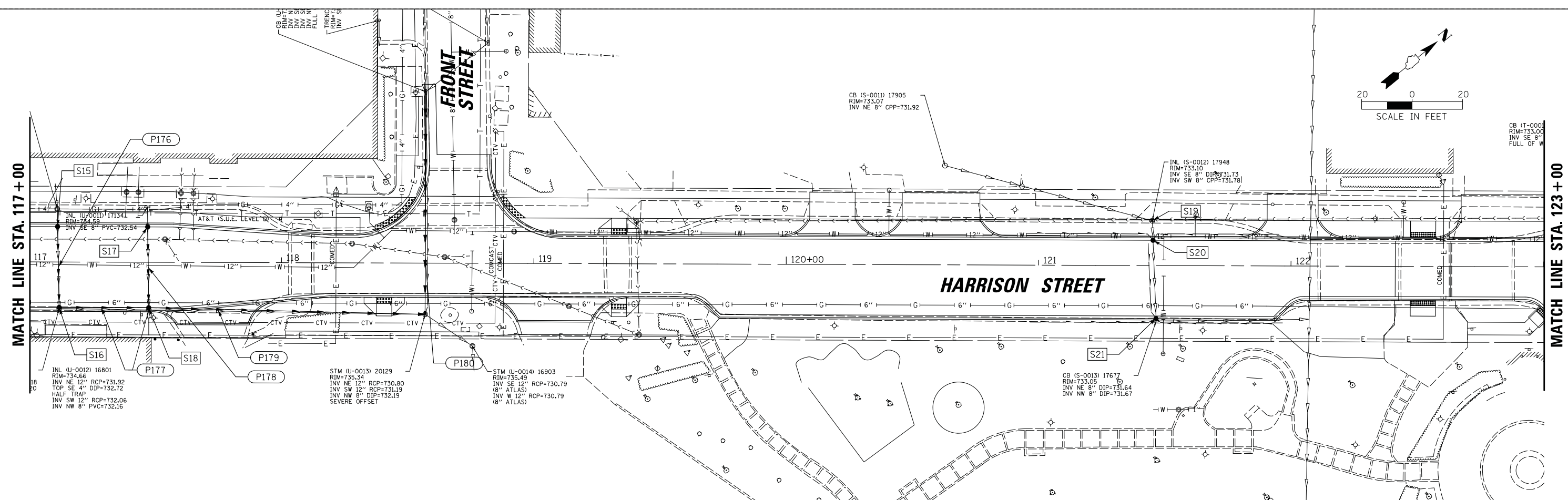
**STAGE 1D - HARRISON STREET AND MAIN STREET
HARRISON STREET DRAINAGE PLAN AND PROFILE**

SCALE: 20' SHEET OF SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4660/0145	16-00090-02-PV	McHenry	182	59
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G60	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	STRUCTURE		
	NOTATIONS		
	NO.		



FILE NAME =	USER NAME = mworan	DESIGNED -	REVISED -
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	PLOT DATE = 12/5/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE 1D - HARRISON STREET AND MAIN STREET
HARRISON STREET DRAINAGE PLAN AND PROFILE**

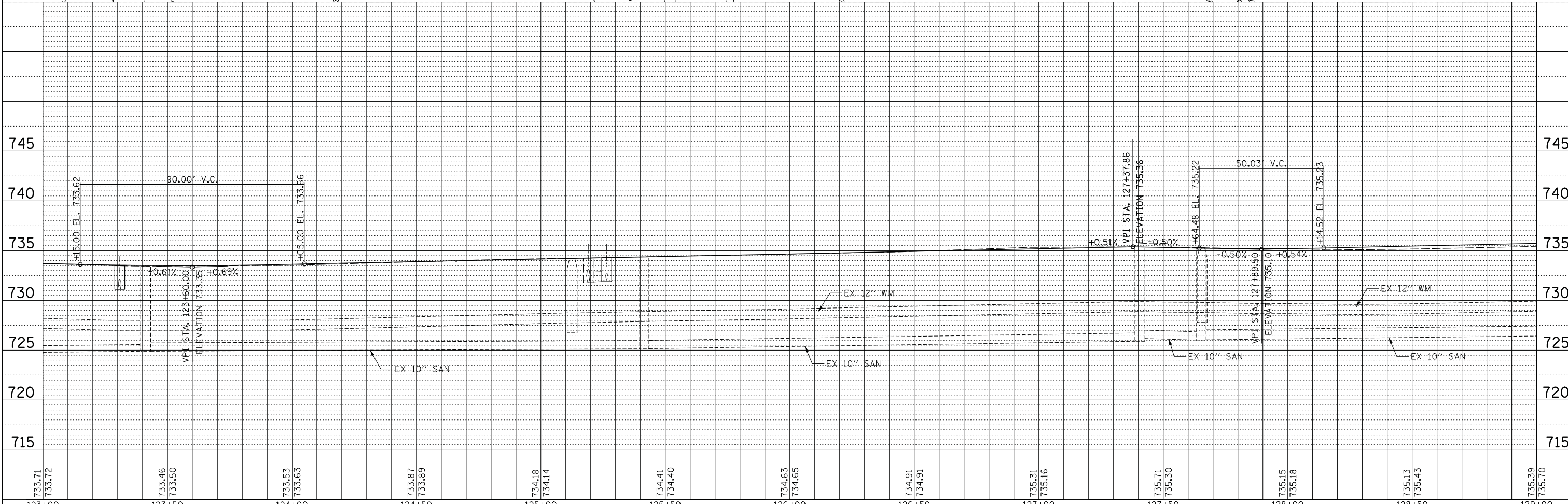
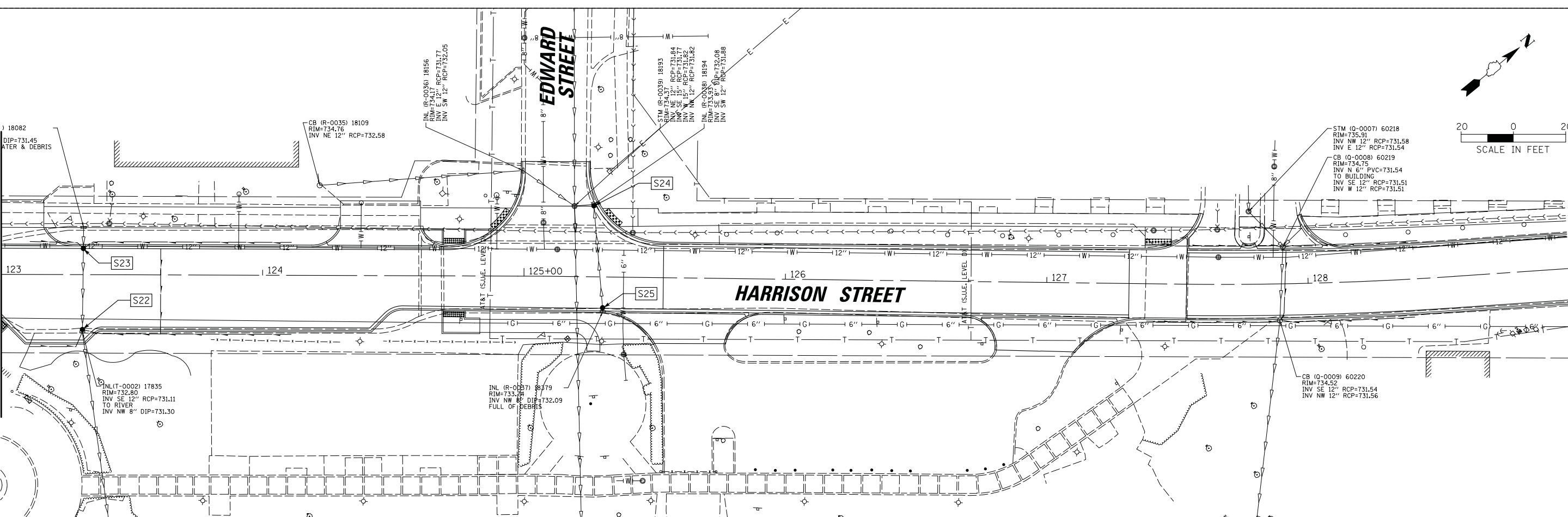
SCALE: 20' SHEET OF SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4660/0145	16-00090-02-PV	McHenry	182	60
CONTRACT NO. 61G60			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	STRUCTURE		
	NOTATION		
	CHWD		
	NO.		

MATCH LINE STA. 123 + 00



733.71 733.72	733.46 733.50	733.53 733.63	733.87 733.89	734.18 734.14	734.41 734.40	734.63 734.65	734.91 734.91	735.31 735.16	735.71 735.30	735.15 735.18	735.13 735.43	735.39 735.70
123+00	123+50	124+00	124+50	125+00	125+50	126+00	126+50	127+00	127+50	128+00	128+50	129+00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1D - HARRISON STREET AND MAIN STREET
HARRISON STREET DRAINAGE PLAN AND PROFILE

MUN. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4560/0145	16-00090-02-PV	McHenry	182	61
CONTRACT NO. 61G60			ILLINOIS FED. AID PROJECT	

SCALE: 20' SHEET OF SHEETS STA. TO STA.

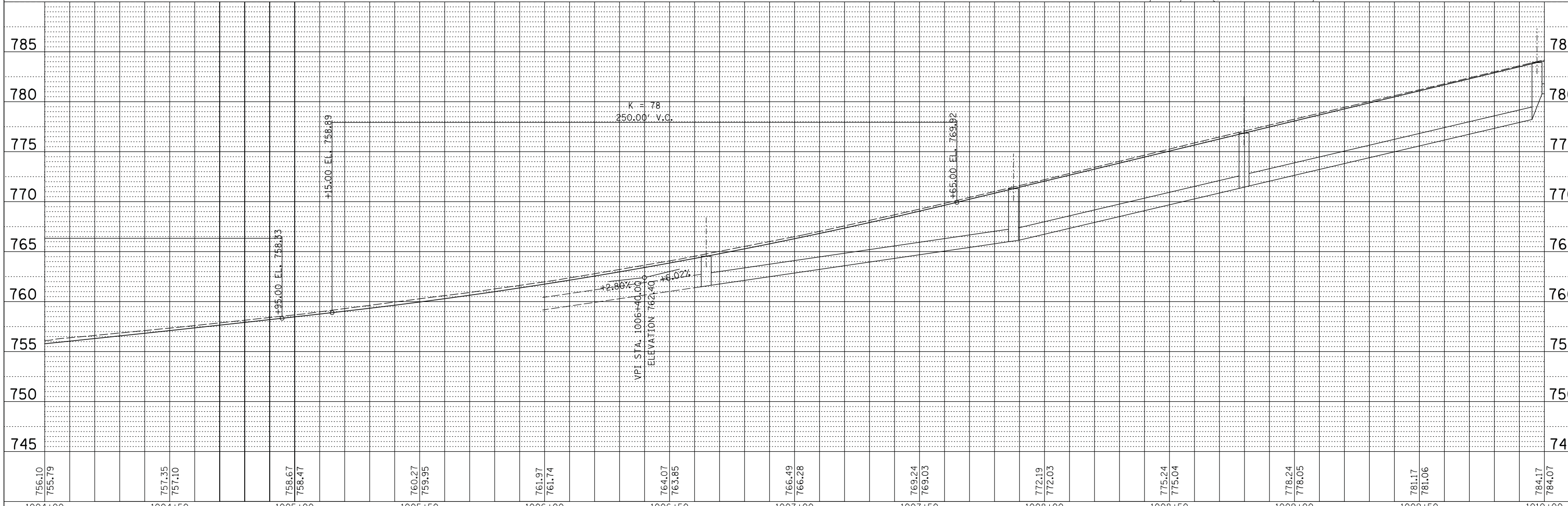
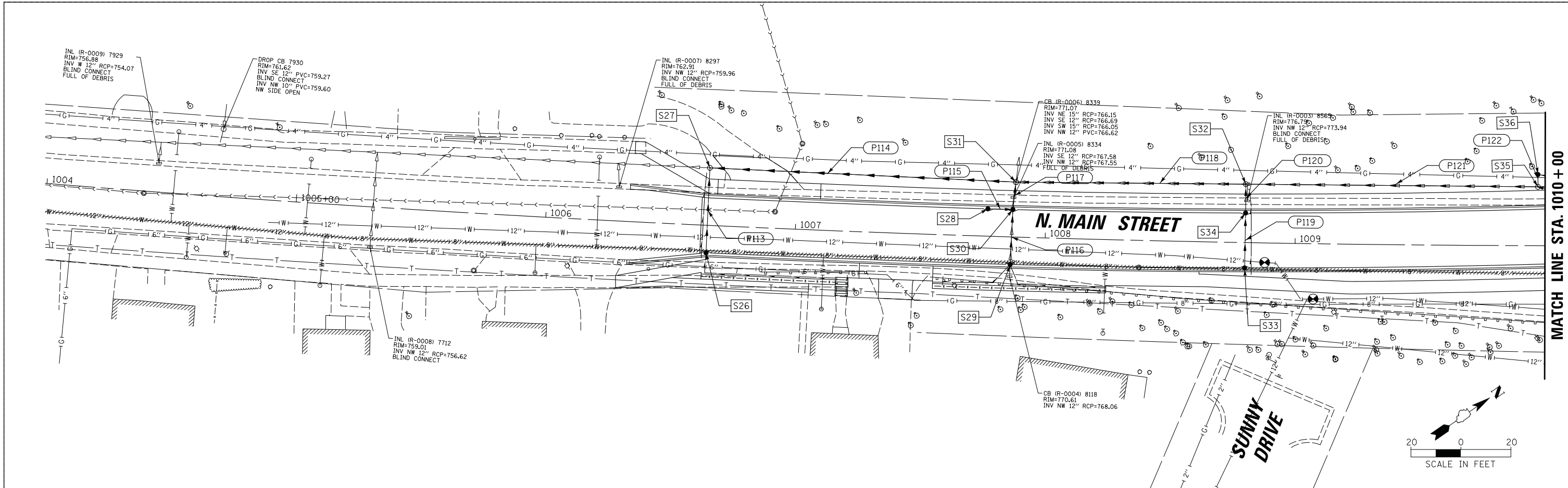
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 Default PLOT SCALE = 20' PLOT DATE = 12/5/2020

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
	FILE NAME	
	NO.	

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



FILE NAME =	USER NAME = morman	DESIGNED -	REVISED -
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	PLOT DATE = 12/5/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

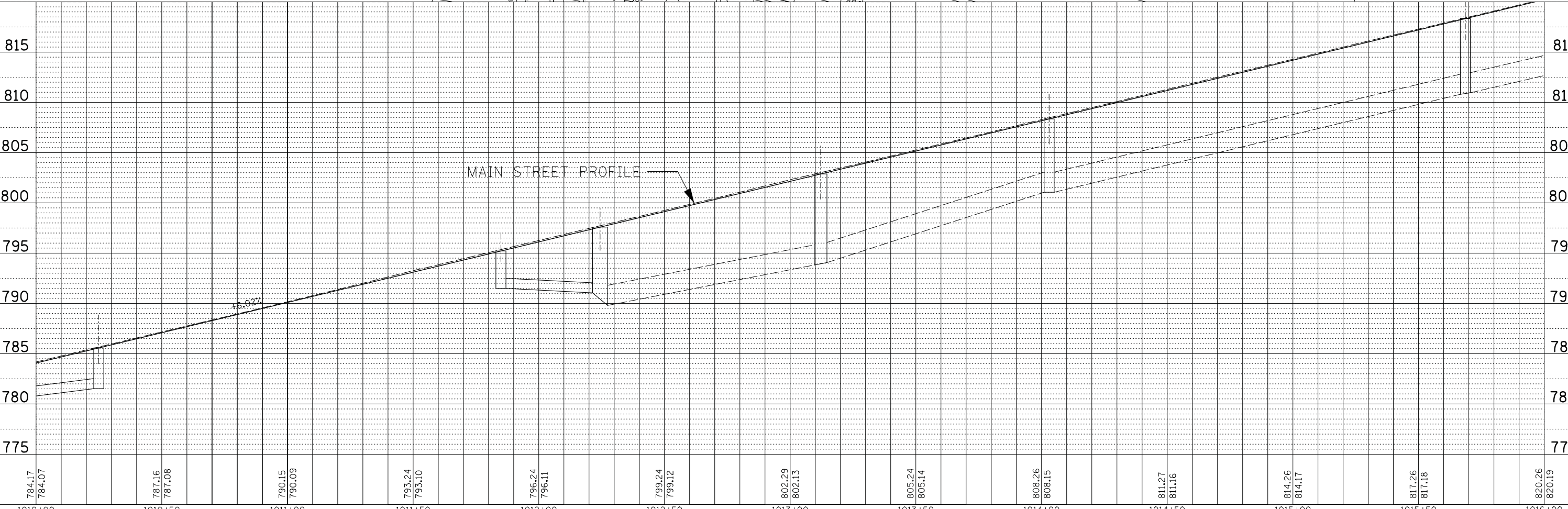
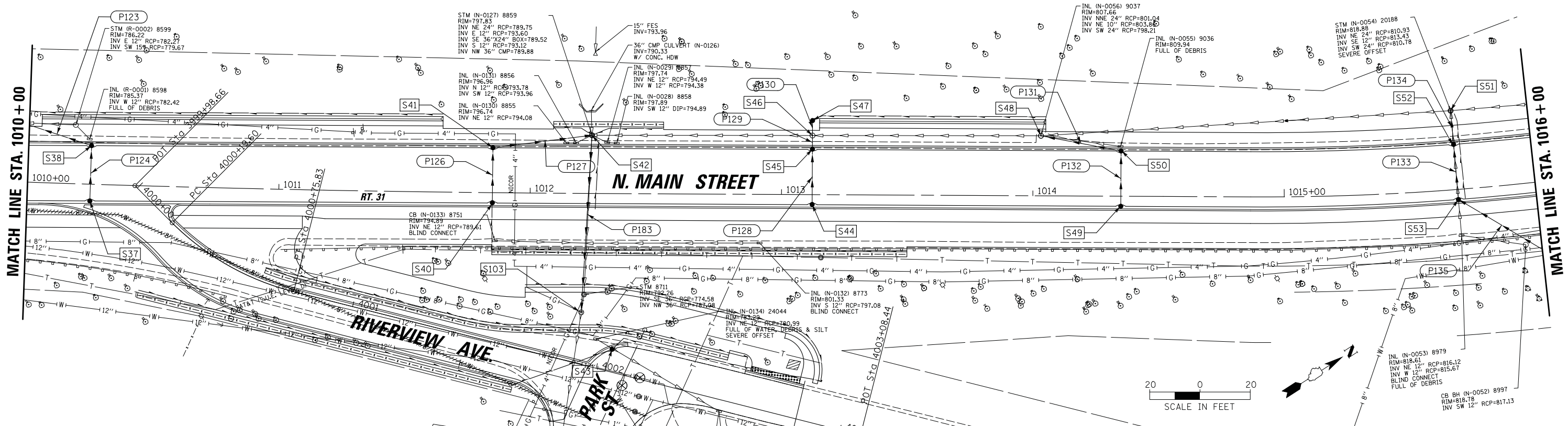
**STAGE 1D - HARRISON STREET AND MAIN STREET
MAIN STREET DRAINAGE PLAN AND PROFILE**

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4560/0145	16-00090-02-PV	McHenry	182	62
CONTRACT NO. 61G60			ILLINOIS FED. AID PROJECT	

SCALE: 20' SHEET OF SHEETS STA. TO STA.

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILE NAME		
	NO.		

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



FILE NAME =	USER NAME = morman	DESIGNED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

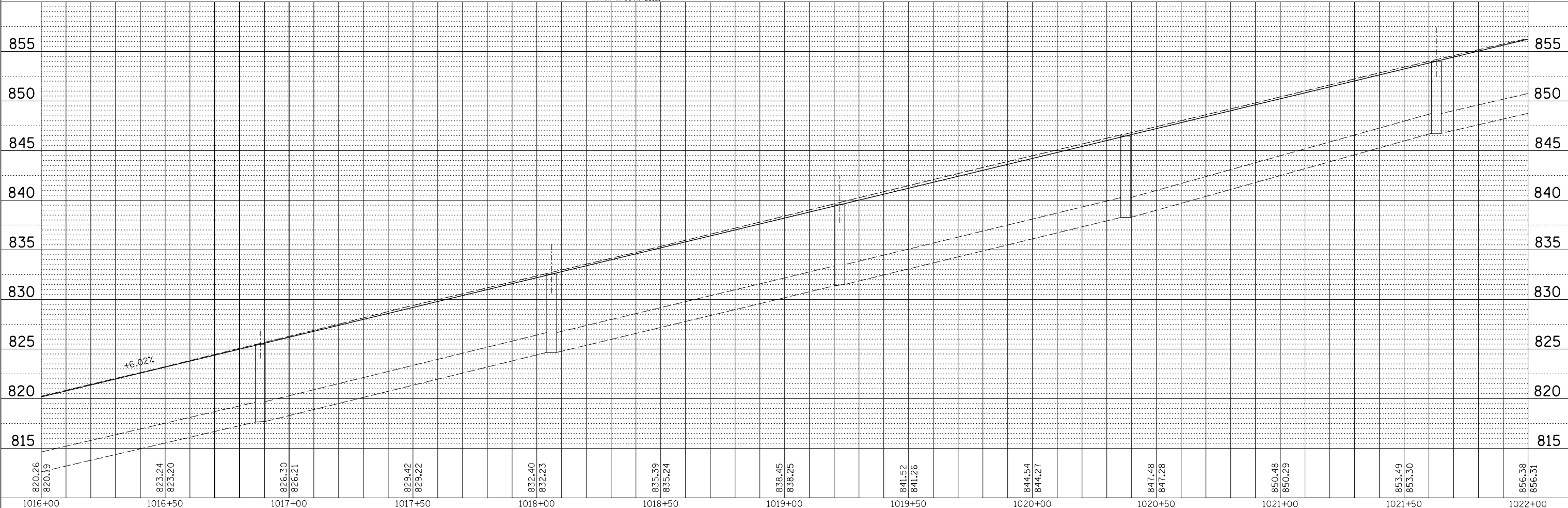
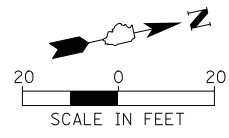
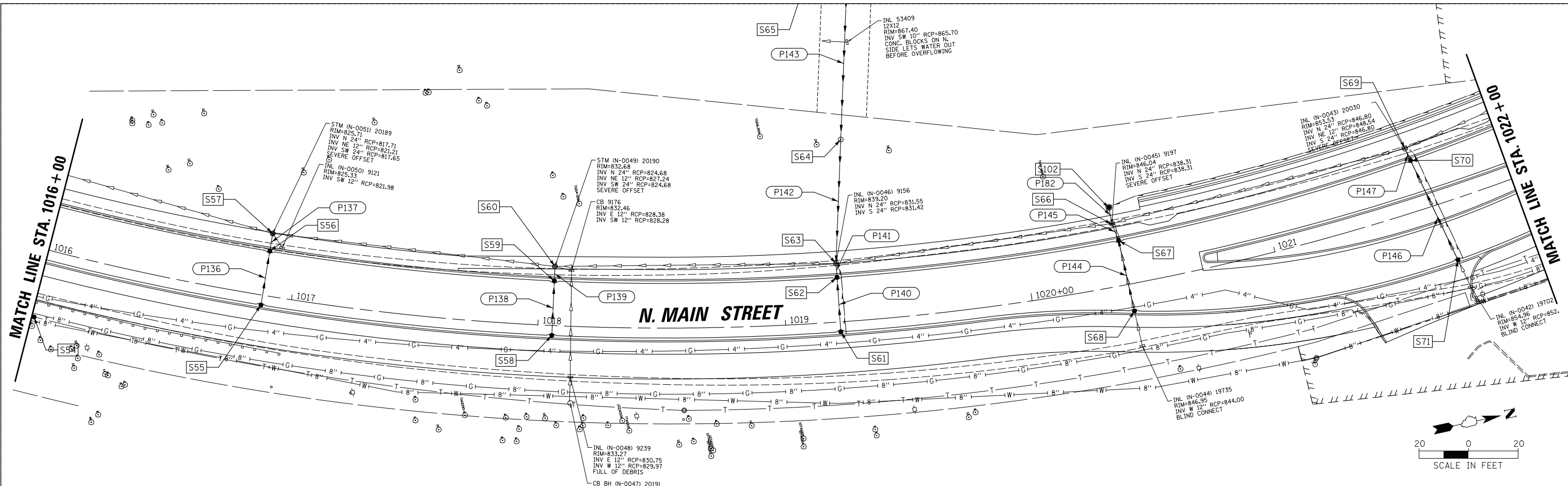
STAGE 1D - HARRISON STREET AND MAIN STREET
MAIN STREET DRAINAGE PLAN AND PROFILE

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4660/0145	16-00090-02-PV	McHenry	182	63
CONTRACT NO. 61G60			ILLINOIS FED. AID PROJECT	

SCALE: 20' SHEET OF SHEETS STA. TO STA.

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	CARD FILE NAME		
	NO.		

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



FILE NAME =	USER NAME = morman	DESIGNED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

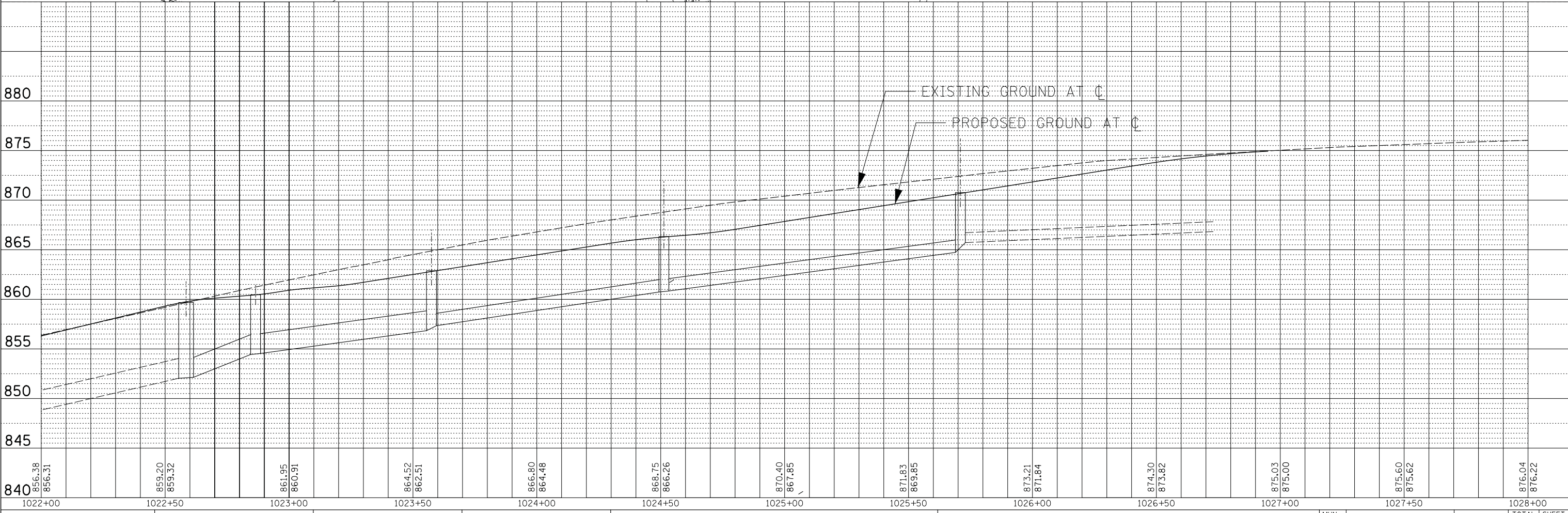
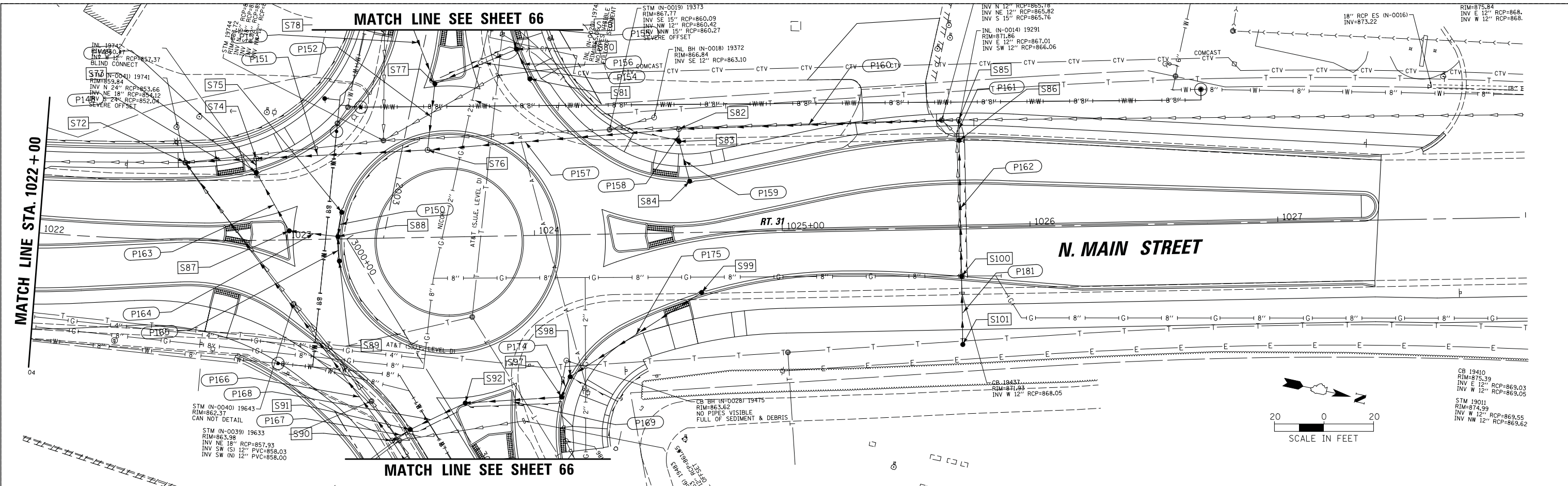
**STAGE 1D - HARRISON STREET AND MAIN STREET
MAIN STREET DRAINAGE PLAN AND PROFILE**

SCALE: 20' SHEET OF SHEETS STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4660/0145	16-00090-02-PV	McHenry	182	64
CONTRACT NO. 61G60			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	CARD FILE NAME		
	NO.		

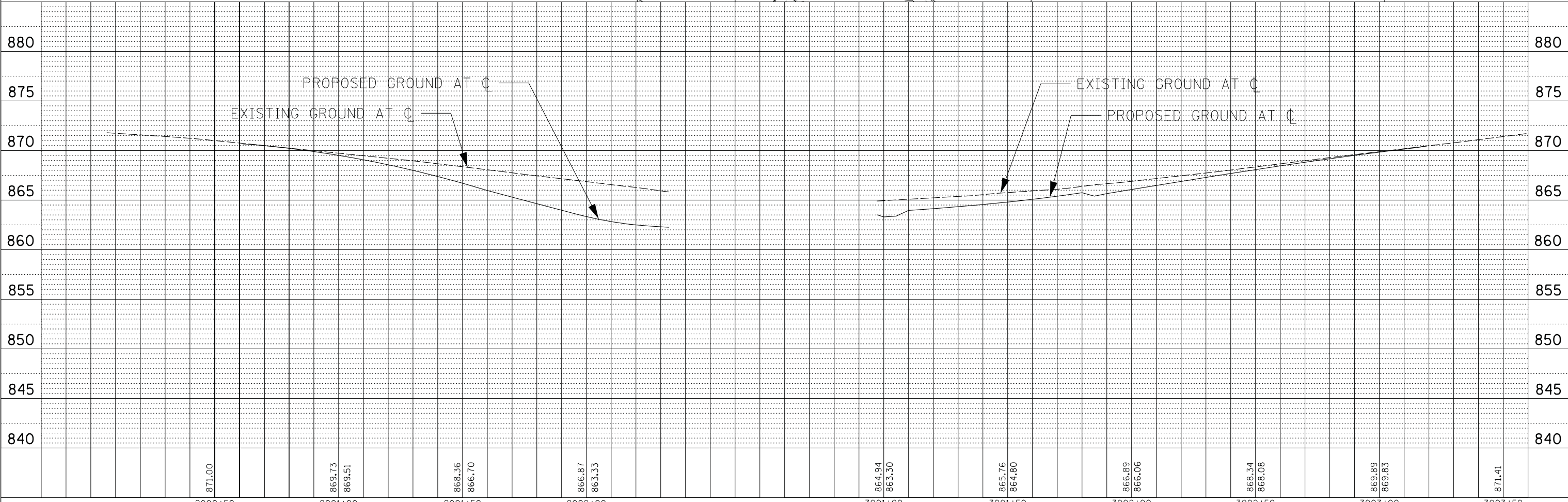
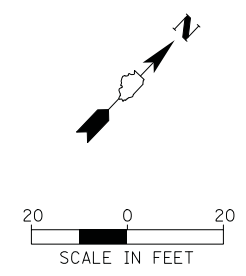
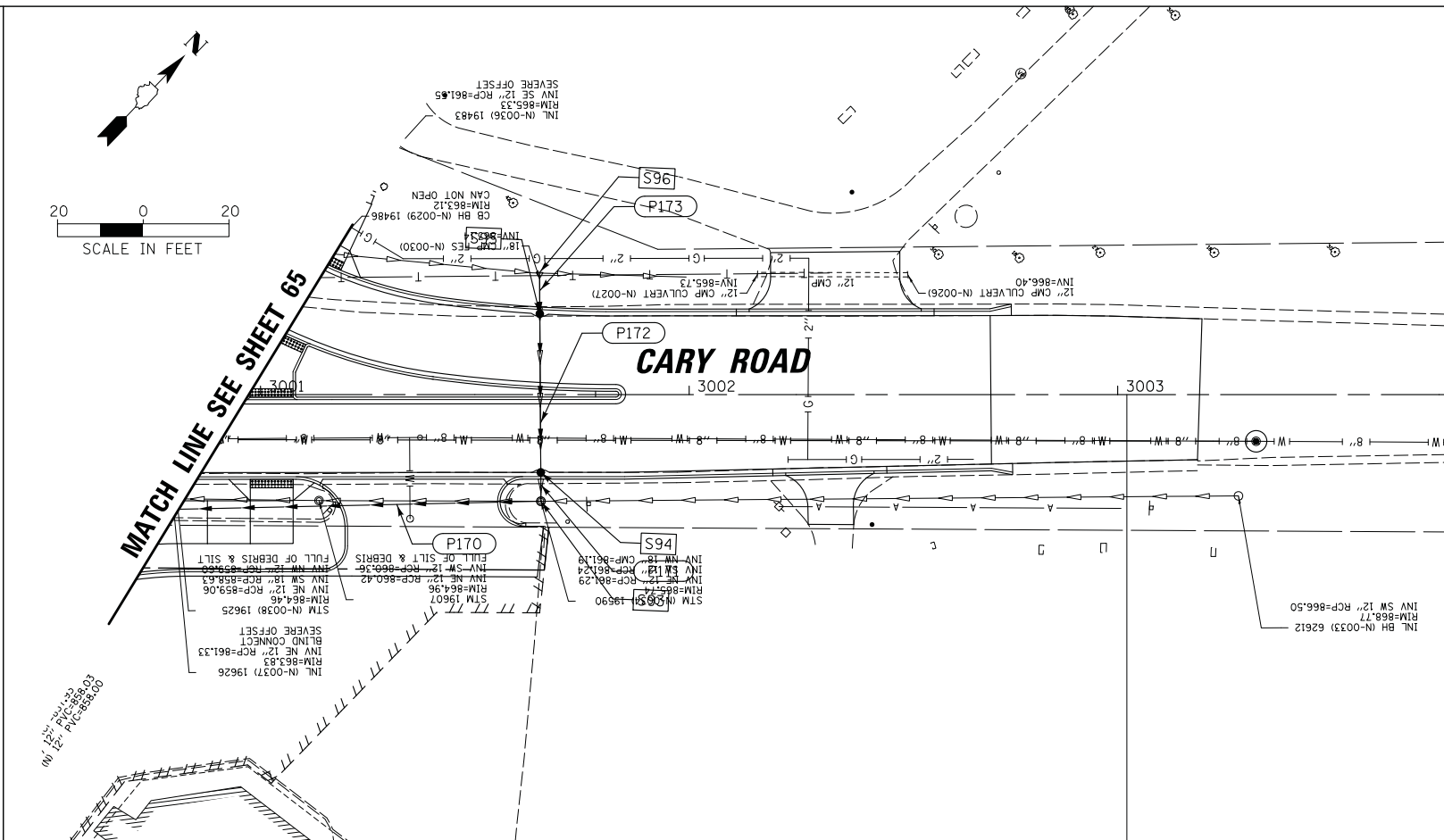
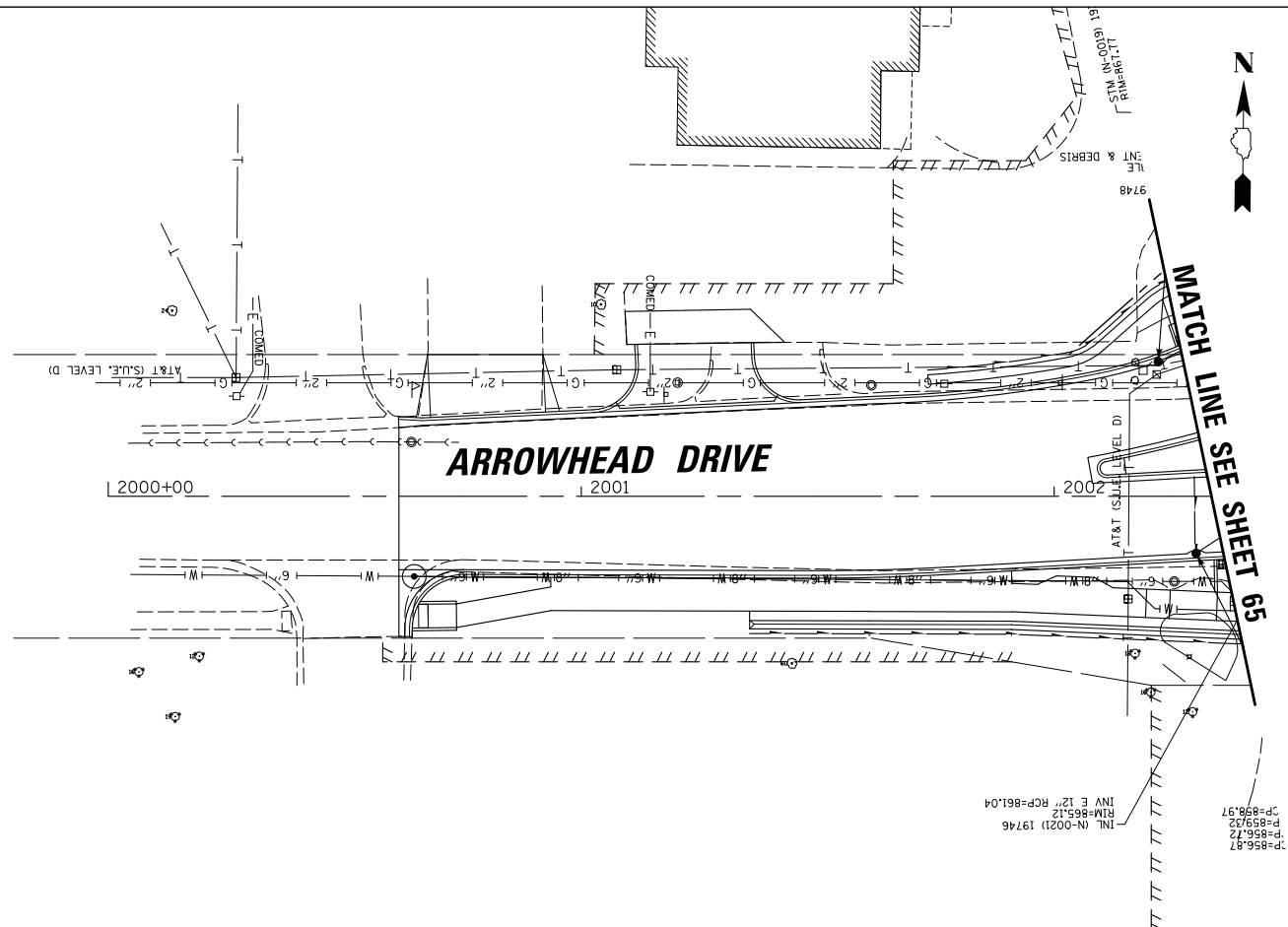
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	GRADES		
	STRUCTURE		
	NOTATIONS		
	CHWD		
	NO.		



FILE NAME =	USER NAME = morman	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1D - HARRISON STREET AND MAIN STREET MAIN STREET DRAINAGE PLAN AND PROFILE	MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	Main_070273.132_04.SHT	DRAWN -	REVISED -			4660/0145	16-00090-02-PV	McHenry	182	65
	PLOT SCALE = 20'	CHECKED -	REVISED -			CONTRACT NO. 61G60				
	PLOT DATE = 12/5/2020	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILE NAME		
	NO.		

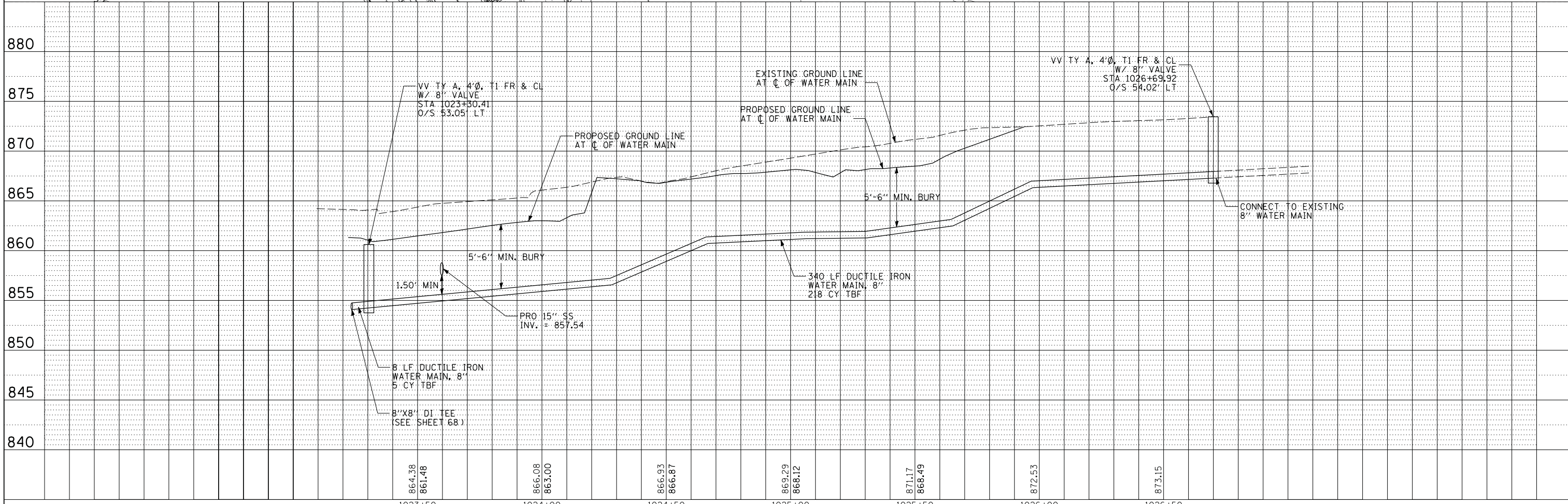
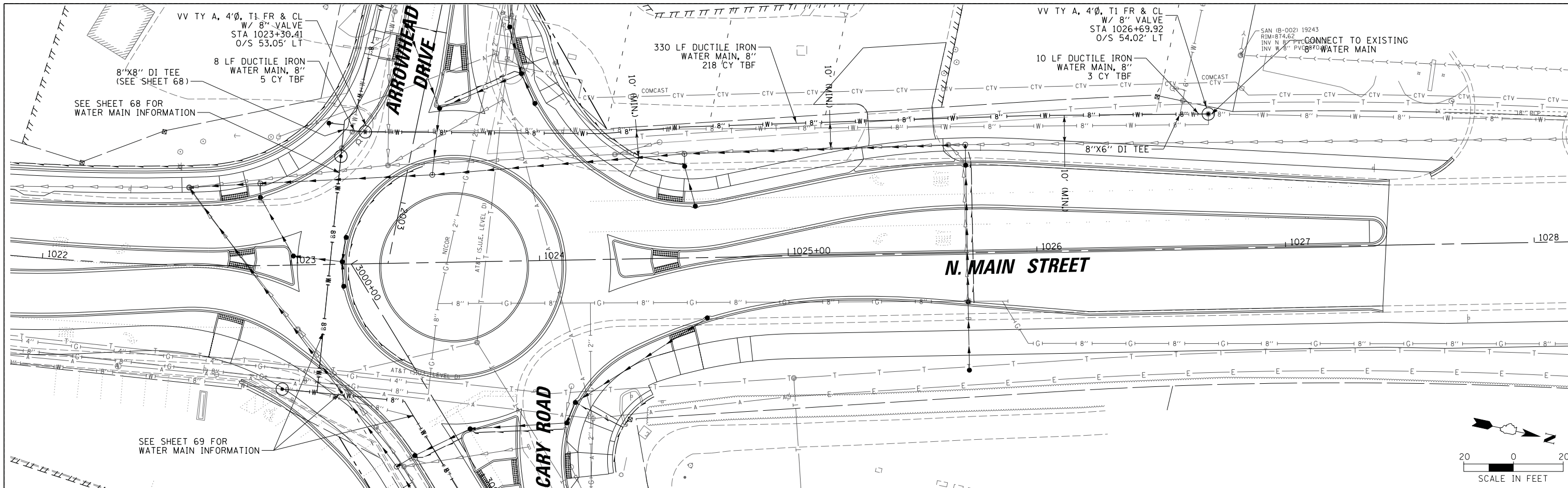
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	STRUCTURE		
	NOTATION		
	NO.		



FILE NAME =	USER NAME = morman	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
N:\VALGONQUIN\070273\070273.00132\Civil\Opp	Arrowhead_070273.132_01.SHT	DRAWN -	REVISED -	STAGE 1D - HARRISON STREET AND MAIN STREET ARROWHEAD DRIVE AND CARY ROAD DRAINAGE PLAN AND PROFILE				4560/0145	16-00090-02-PV	McHenry	182	66			
Default	PLOT SCALE = 28'	CHECKED -	REVISED -					SCALE: 20'	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 61G60
	PLOT DATE = 12/5/2020	DATE -	REVISED -					ILLINOIS FED. AID PROJECT							

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNMENT	
	FILE NAME	
	NO.	

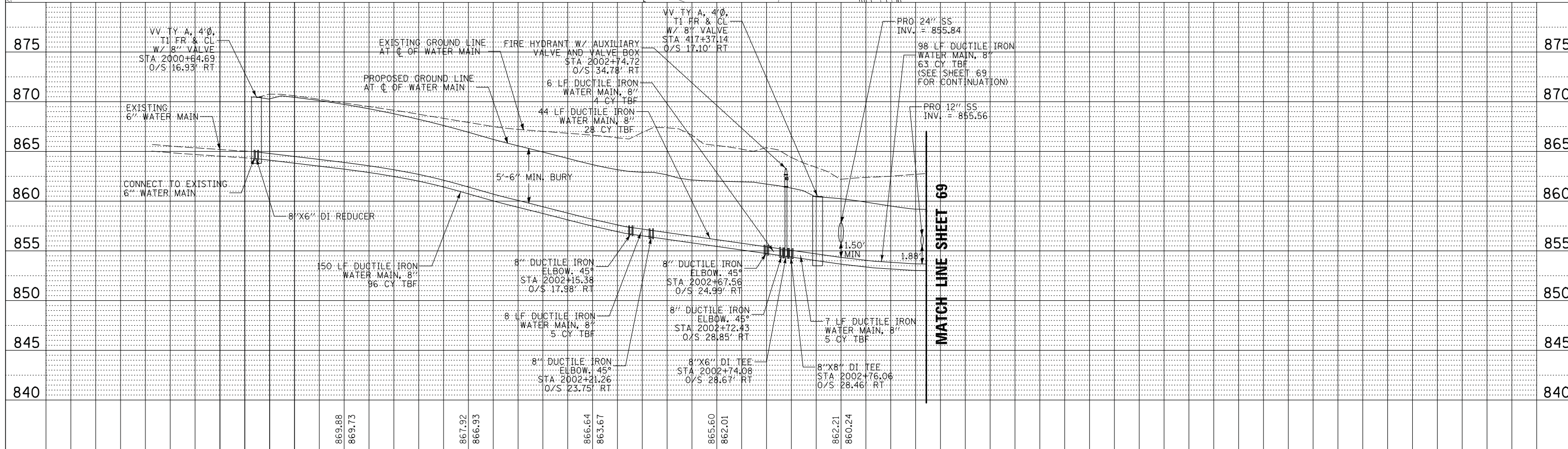
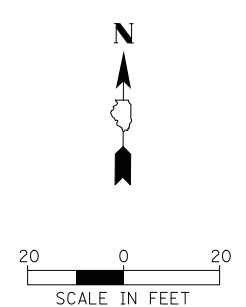
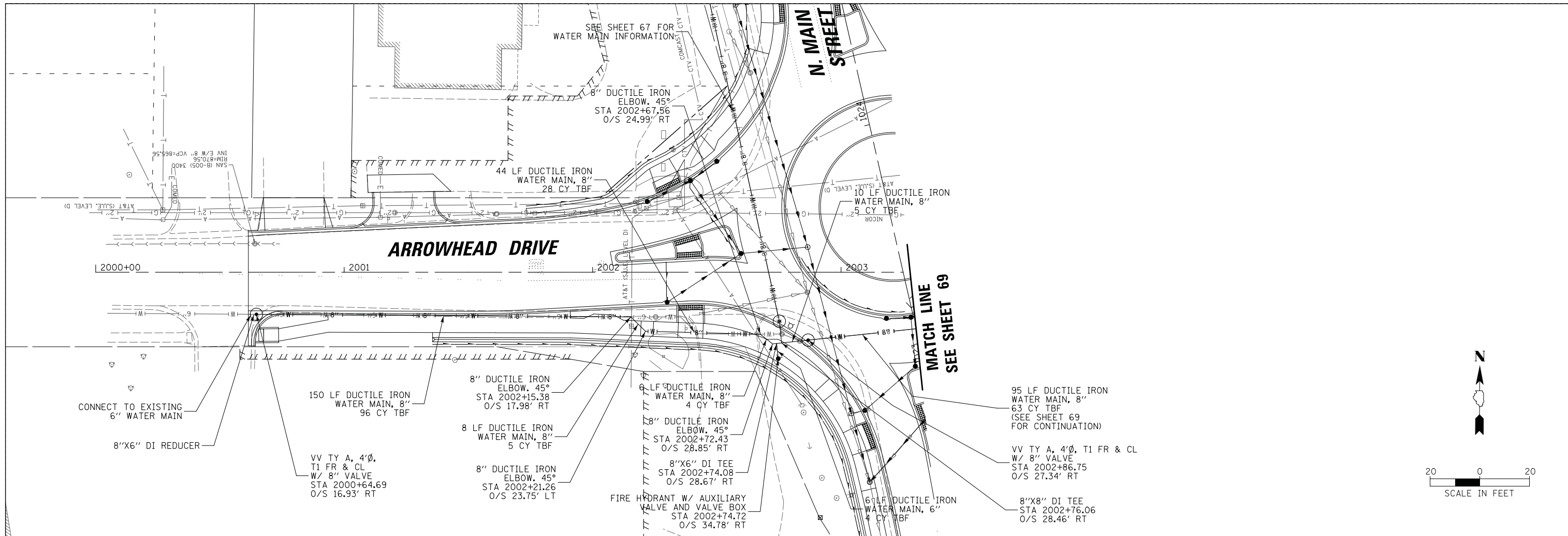
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	PLOTTED	BY
	CHECKED	
	GRADES	
	STRUCTURE	
	NOTATIS	
	CHFD	
	NO.	



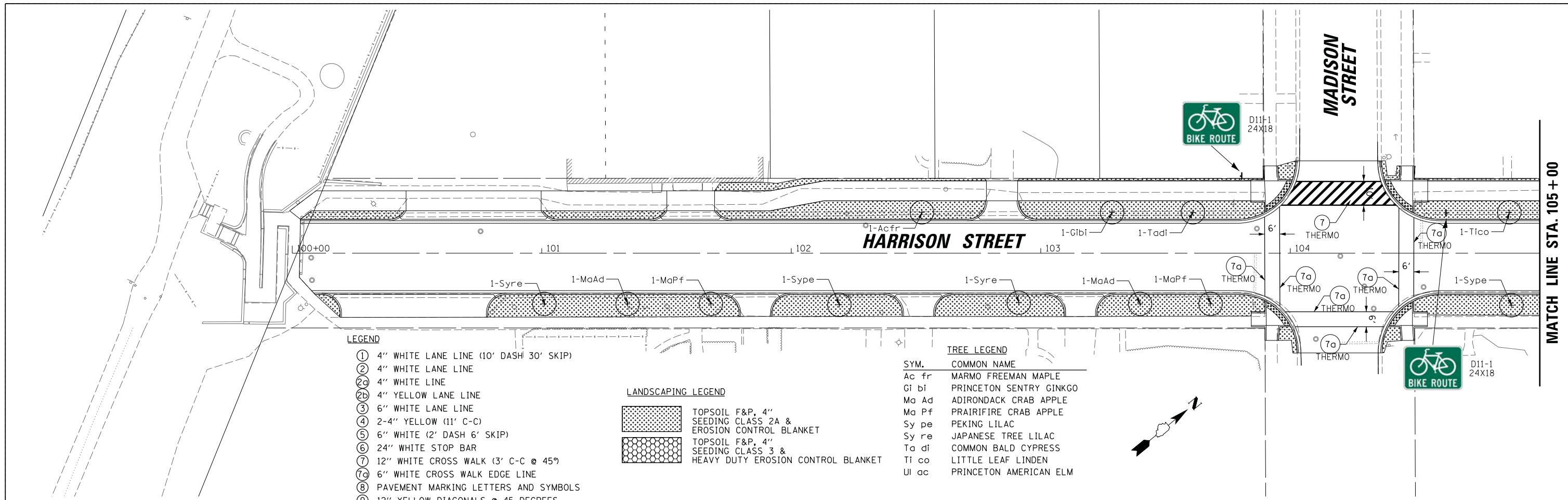
FILE NAME =	USER NAME = morman	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1D - HARRISON STREET AND MAIN STREET MAIN STREET WATER MAIN PLAN AND PROFILE	MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 20'	DRAWN -	REVISED -			4560/0145	16-00090-02-PV	McHenry	182	67
	PLOT DATE = 12/29/2020	CHECKED -	REVISED -			CONTRACT NO. 61G60				
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

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

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NOTE BOOK	
	NO.	
	STRUCTURE	
	NOTATION	



FILE NAME =	USER NAME = morman	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		STAGE 1D - HARRISON STREET AND MAIN STREET ARROWHEAD DRIVE & CARY ROAD WATER MAIN PLAN AND PROFILE		MUN. R.T.E. = 4560/0145	SECTION = 16-00090-02-PV	COUNTY = McHenry	TOTAL SHEETS = 182	SHEET NO. = 68
Default	PLOT DATE = 12/5/2020	CHECKED -	REVISED -	SCALE: 20'		SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 61G60				
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				



LEGEND

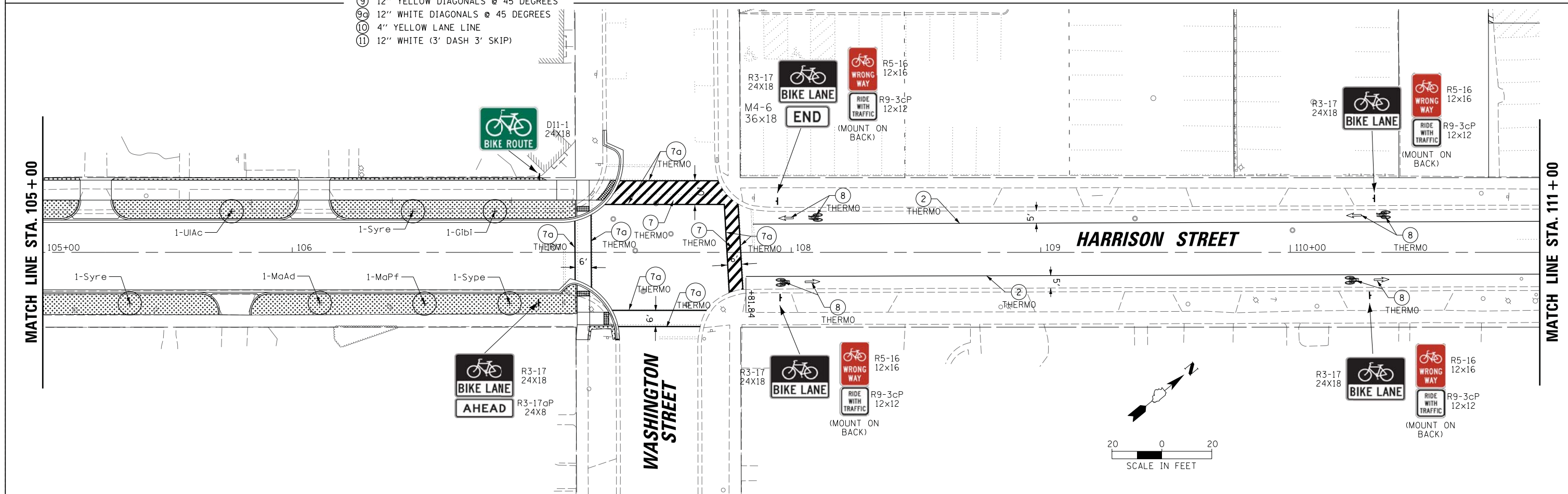
- ① 4" WHITE LANE LINE (10' DASH 30' SKIP)
- ② 4" WHITE LANE LINE
- ③ 4" WHITE LINE
- ④ 4" YELLOW LANE LINE
- ⑤ 6" WHITE LANE LINE
- ⑥ 2-4" YELLOW (11' C-C)
- ⑦ 6" WHITE (2' DASH 6' SKIP)
- ⑧ 24" WHITE STOP BAR
- ⑨ 12" WHITE CROSS WALK (3' C-C @ 45°)
- ⑩ 6" WHITE CROSS WALK EDGE LINE
- ⑪ PAVEMENT MARKING LETTERS AND SYMBOLS
- ⑫ 12" YELLOW DIAGONALS @ 45 DEGREES
- ⑬ 12" WHITE DIAGONALS @ 45 DEGREES
- ⑭ 4" YELLOW LANE LINE
- ⑮ 12" WHITE (3' DASH 3' SKIP)

LANDSCAPING LEGEND

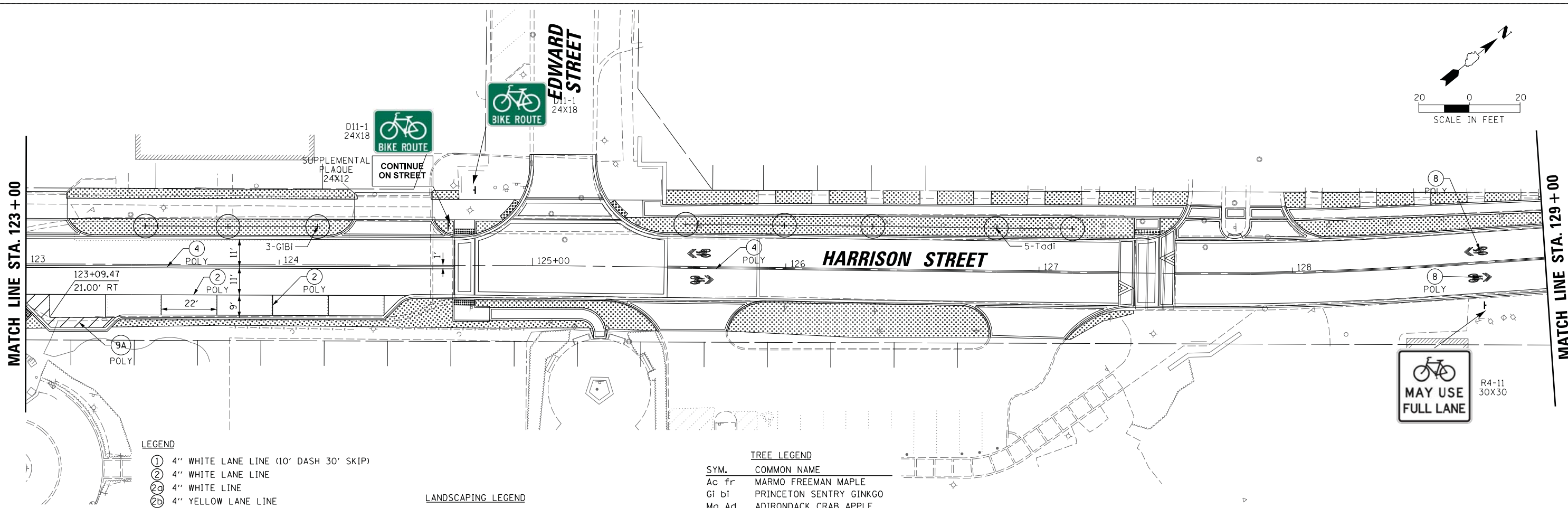
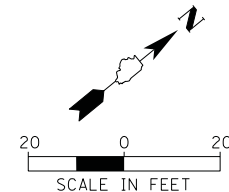
- TOPSOIL F&P, 4"
SEEDING CLASS 2A &
EROSION CONTROL BLANKET
- TOPSOIL F&P, 4"
SEEDING CLASS 3 &
HEAVY DUTY EROSION CONTROL BLANKET

TREE LEGEND

SYM.	COMMON NAME
Ac fr	MARMO FREEMAN MAPLE
Gi bi	PRINCETON SENTRY GINKGO
Ma Ad	ADIRONDACK CRAB APPLE
Ma Pf	PRAIRIFIRE CRAB APPLE
Sy pe	PEKING LILAC
Sy re	JAPANESE TREE LILAC
Ta di	COMMON BALD CYPRESS
Ti co	LITTLE LEAF LINDEN
Ul oc	PRINCETON AMERICAN ELM



FILE NAME =	USER NAME = morman	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1D HARRISON STREET AND MAIN STREET HARRISON STREET PAVEMENT MARKING & LANDSCAPING PLAN	MUN. R.T.E. =	SECTION =	COUNTY =	TOTAL SHEETS =	SHEET NO. =	
						4560/0145	16-00090-02-PV	MCHENRY	182	70	
						CONTRACT NO. 61G60					
						ILLINOIS FED. AID PROJECT					
Default					SCALE: \$SCALE\$		SHEET OF SHEETS		STA. TO STA.		



LEGEND

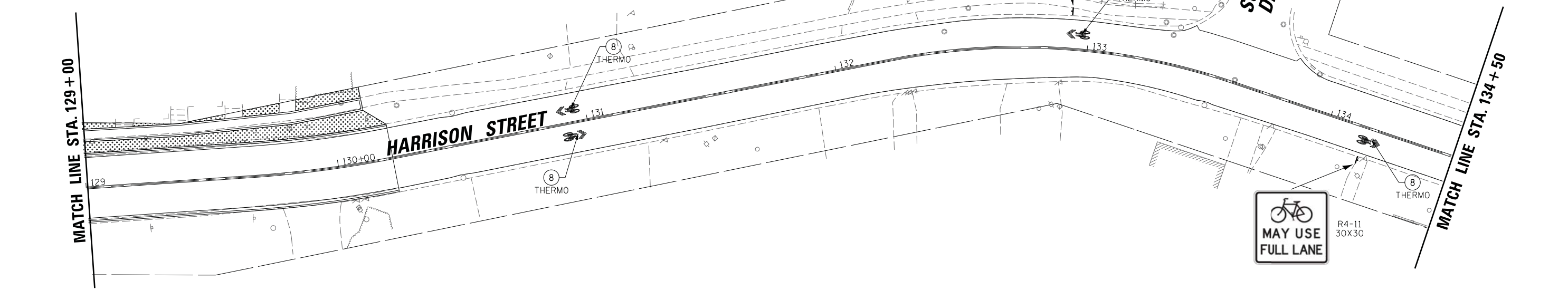
- ① 4" WHITE LANE LINE (10' DASH 30' SKIP)
- ② 4" WHITE LANE LINE
- ③ 4" WHITE LINE
- ④ 4" YELLOW LANE LINE
- ⑤ 6" WHITE LANE LINE
- ⑥ 2-4" YELLOW (11' C-C)
- ⑦ 6" WHITE (2' DASH 6' SKIP)
- ⑧ 24" WHITE STOP BAR
- ⑨ 12" WHITE CROSS WALK (3' C-C @ 45°)
- ⑩ 6" WHITE CROSS WALK EDGE LINE
- ⑪ PAVEMENT MARKING LETTERS AND SYMBOLS
- ⑫ 12" YELLOW DIAGONALS @ 45 DEGREES
- ⑬ 12" WHITE DIAGONALS @ 45 DEGREES
- ⑭ 4" YELLOW LANE LINE
- ⑮ 12" WHITE (3' DASH 3' SKIP)

LANDSCAPING LEGEND

-
- TOPSOIL F&P, 4" SEEDING CLASS 2A & EROSION CONTROL BLANKET
-
- TOPSOIL F&P, 4" SEEDING CLASS 3 & HEAVY DUTY EROSION CONTROL BLANKET

TREE LEGEND

SYM.	COMMON NAME
Ac fr	MARMO FREEMAN MAPLE
Gi bi	PRINCETON SENTRY GINKGO
Ma Ad	ADIRONDACK CRAB APPLE
Ma Pf	PRAIRIFIRE CRAB APPLE
Sy pe	PEKING LILAC
Sy re	JAPANESE TREE LILAC
Ta di	COMMON BALD CYPRESS
Ti co	LITTLE LEAF LINDEN
Ul ac	PRINCETON AMERICAN ELM



FILE NAME =	USER NAME = morman	DESIGNED -	REVISED -
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Default	PLOT SCALE = 28'	CHECKED -	REVISED -
	PLOT DATE = 12/29/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1D HARRISON STREET AND MAIN STREET HARRISON STREET PAVEMENT MARKING & LANDSCAPING PLAN			
SCALE: *SCALE*	SHEET	OF SHEETS	STA. TO STA.


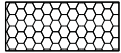
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CONTRACT NO. 61G60			ILLINOIS FED. AID PROJECT	

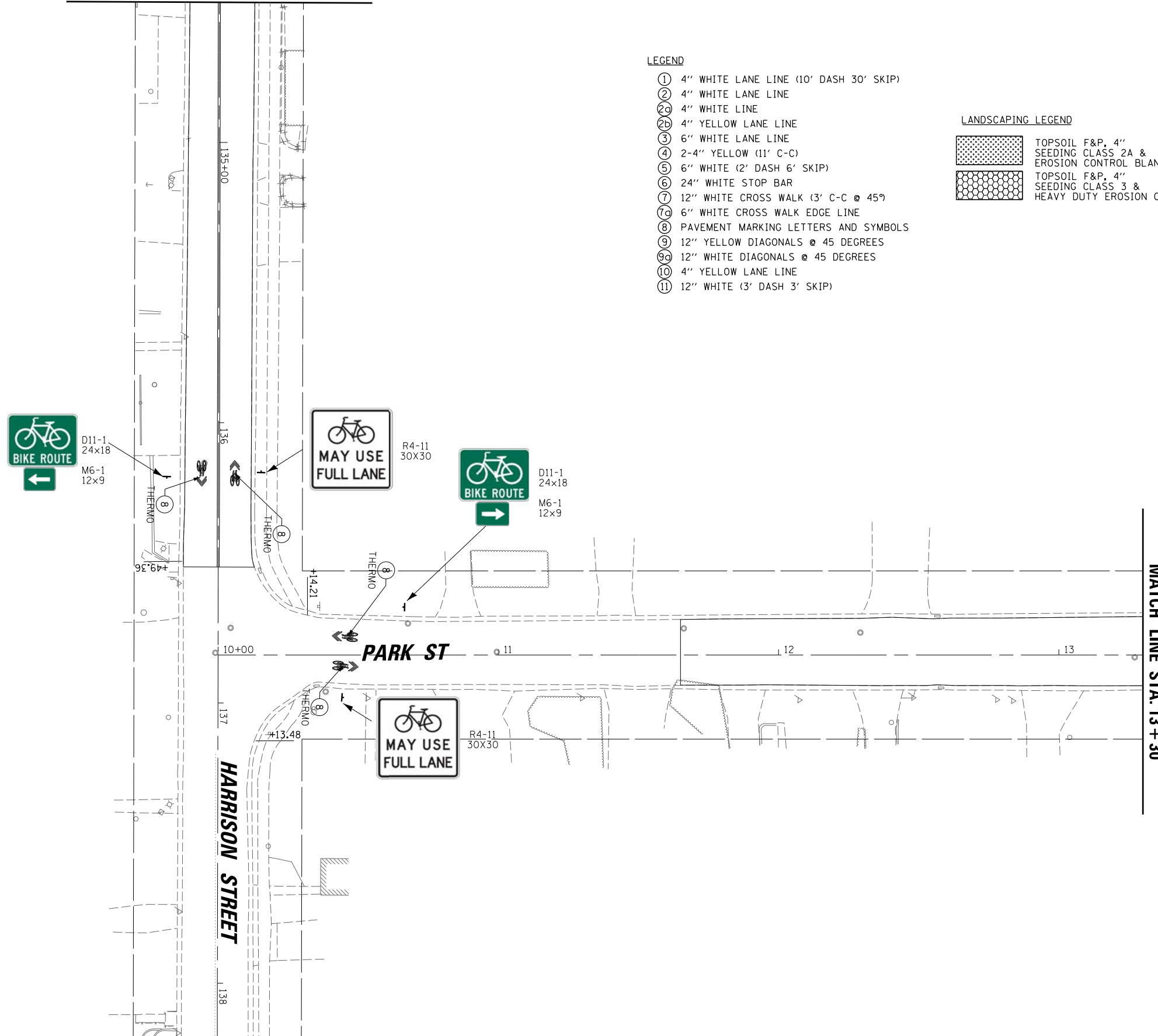
MATCH LINE STA. 134 + 50

LEGEND

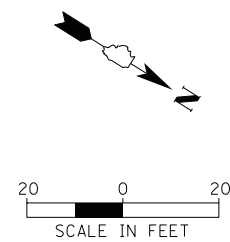
- ① 4" WHITE LANE LINE (10' DASH 30' SKIP)
- ② 4" WHITE LANE LINE
- ③ 4" WHITE LINE
- ④ 4" YELLOW LANE LINE
- ⑤ 6" WHITE LANE LINE
- ⑥ 2-4" YELLOW (11' C-C)
- ⑦ 6" WHITE (2' DASH 6' SKIP)
- ⑧ 24" WHITE STOP BAR
- ⑨ 12" WHITE CROSS WALK (3' C-C @ 45°)
- ⑩ 6" WHITE CROSS WALK EDGE LINE
- ⑪ PAVEMENT MARKING LETTERS AND SYMBOLS
- ⑫ 12" YELLOW DIAGONALS @ 45 DEGREES
- ⑬ 12" WHITE DIAGONALS @ 45 DEGREES
- ⑭ 4" YELLOW LANE LINE
- ⑮ 12" WHITE (3' DASH 3' SKIP)

LANDSCAPING LEGEND

-  TOPSOIL F&P, 4" SEEDING CLASS 2A & EROSION CONTROL BLANKET
-  TOPSOIL F&P, 4" SEEDING CLASS 3 & HEAVY DUTY EROSION CONTROL BLANKET



MATCH LINE STA. 13 + 30



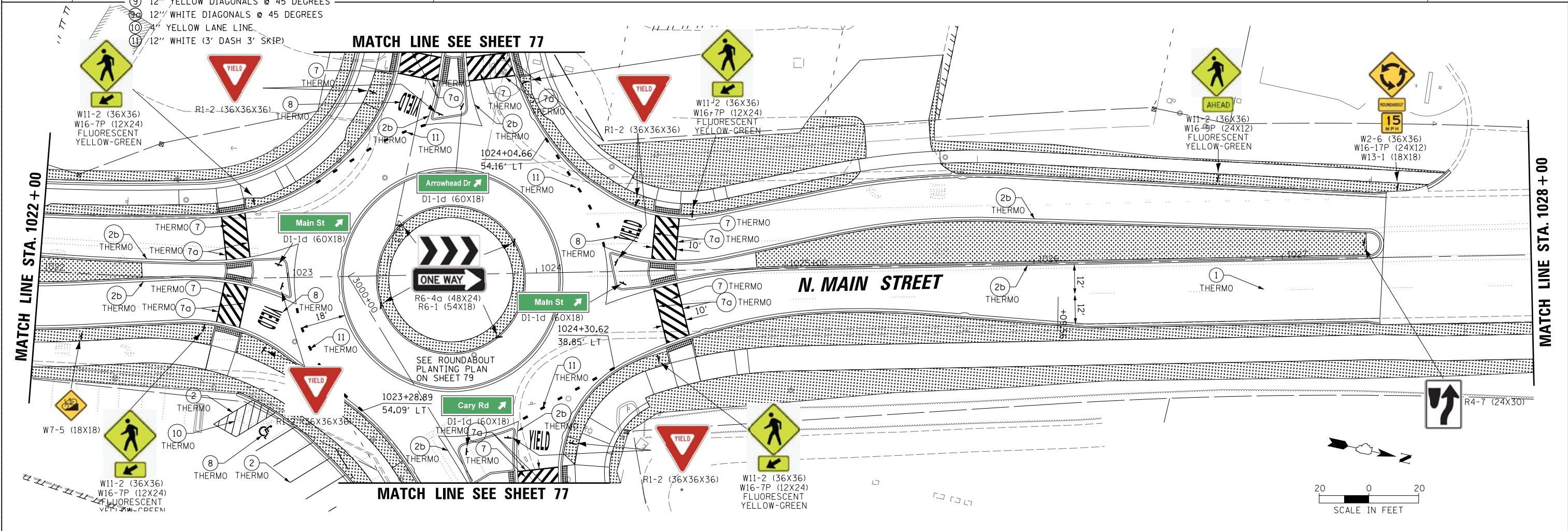
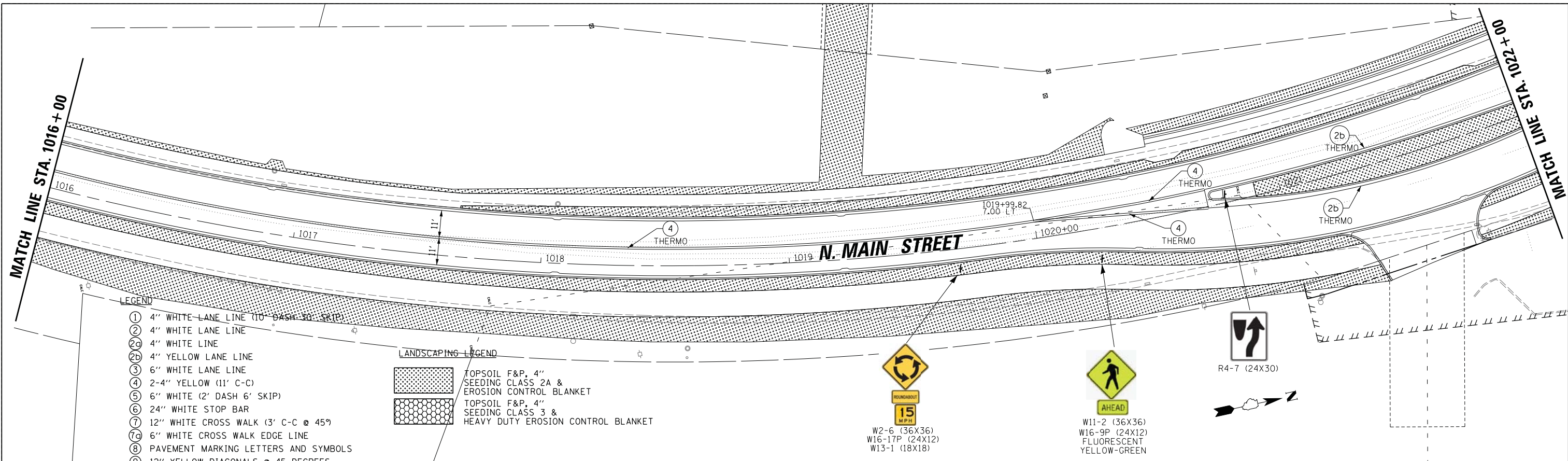
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Default		CHECKED -	REVISED -
	PLOT DATE = 12/29/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1D HARRISON STREET AND MAIN STREET
HARRISON & PARK ST PAVEMENT MARKING AND LANDSCAPING PLAN

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4560/0145	16-00090-02-PV	MCHENRY	182	73
			CONTRACT NO. 61G60	
ILLINOIS FED. AID PROJECT				

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



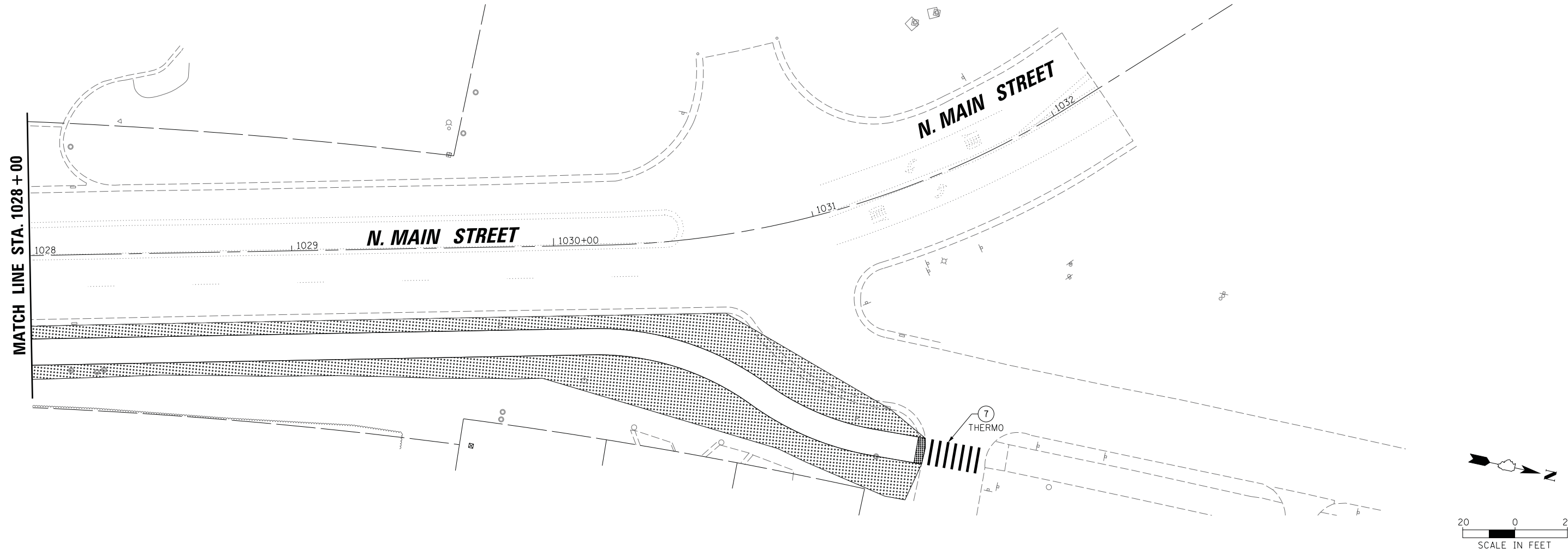
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

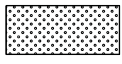
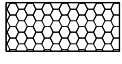
**STAGE 1D HARRISON STREET AND MAIN STREET
MAIN STREET PAVEMENT MARKING & LANDSCAPING PLAN**

SCALE: \$SCALE\$ SHEET OF SHEETS STA. TO STA.

MUN. RTE. 4560/0145	SECTION 16-00090-02-PV	COUNTY MCHENRY	TOTAL SHEETS 182	SHEET NO. 75
CONTRACT NO. 61G60			ILLINOIS FED. AID PROJECT	



- LEGEND**
- ① 4" WHITE LANE LINE (10' DASH 30' SKIP)
 - ② 4" WHITE LANE LINE
 - ②a 4" WHITE LINE
 - ②b 4" YELLOW LANE LINE
 - ③ 6" WHITE LANE LINE
 - ④ 2-4" YELLOW (11' C-C)
 - ⑤ 6" WHITE (2' DASH 6' SKIP)
 - ⑥ 24" WHITE STOP BAR
 - ⑦ 12" WHITE CROSS WALK (3' C-C @ 45°)
 - ⑦a 6" WHITE CROSS WALK EDGE LINE
 - ⑧ PAVEMENT MARKING LETTERS AND SYMBOLS
 - ⑨ 12" YELLOW DIAGONALS @ 45 DEGREES
 - ⑨a 12" WHITE DIAGONALS @ 45 DEGREES
 - ⑩ 4" YELLOW LANE LINE
 - ⑪ 12" WHITE (3' DASH 3' SKIP)

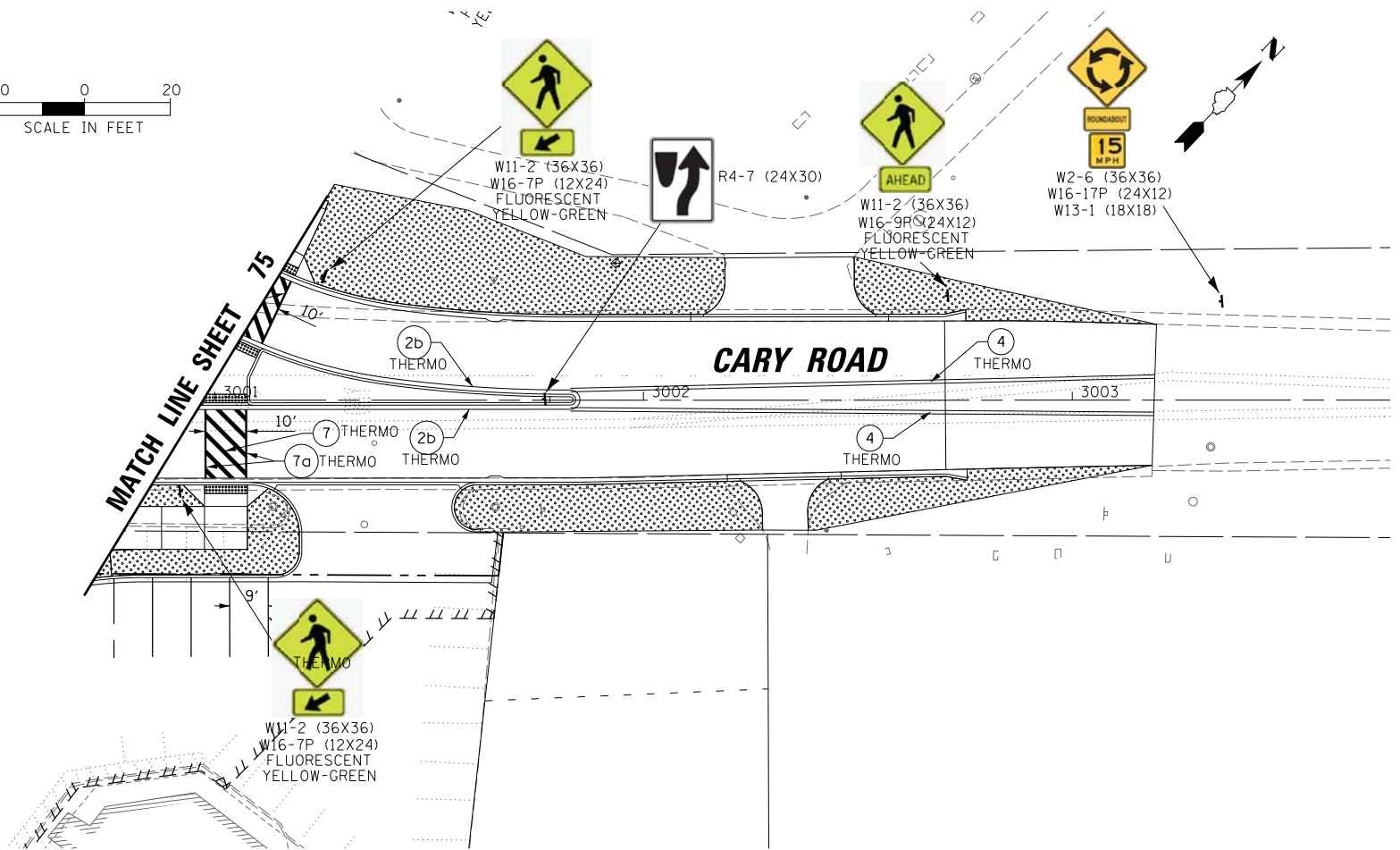
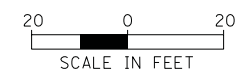
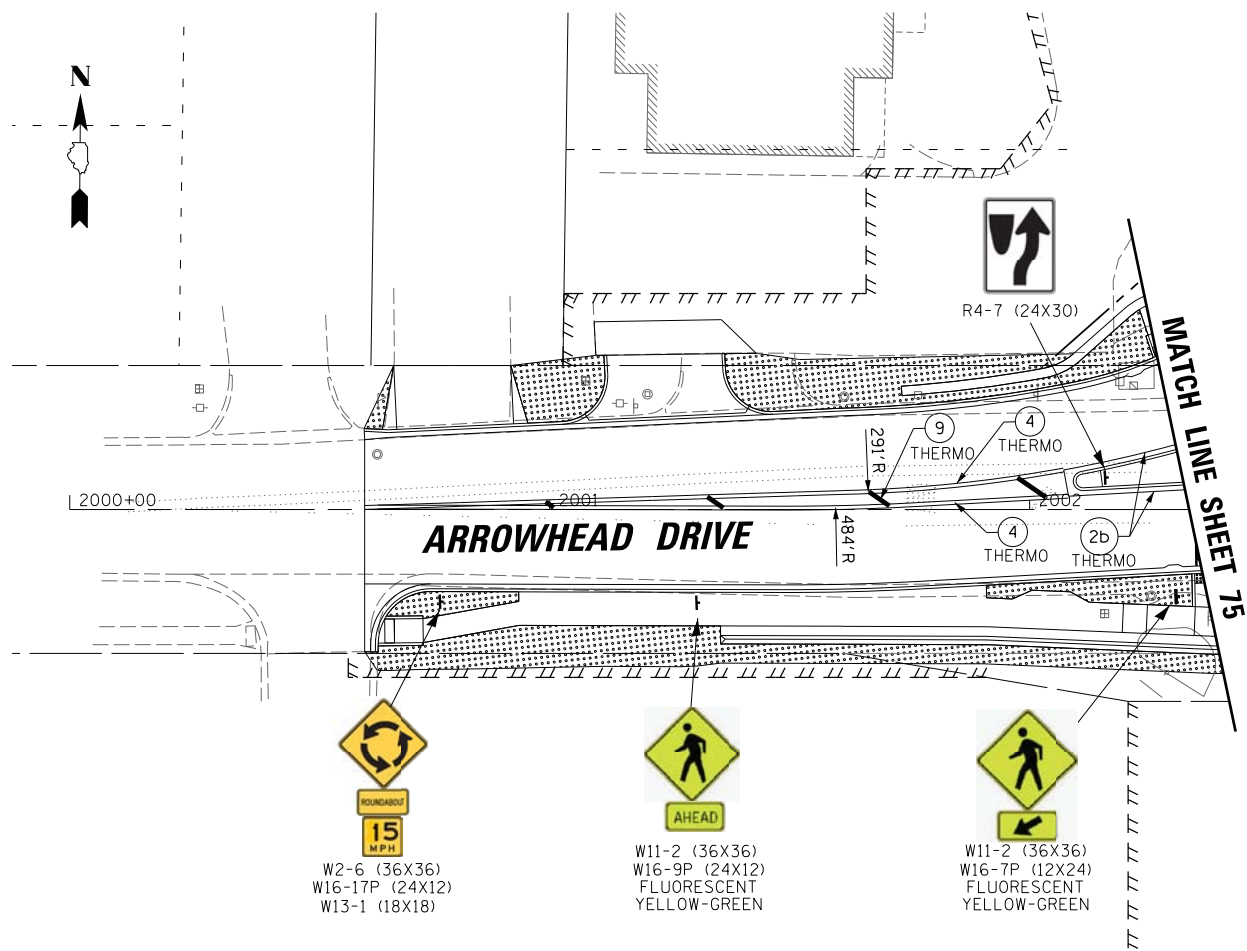
- LANDSCAPING LEGEND**
-  TOPSOIL F&P, 4" SEEDING CLASS 2A & EROSION CONTROL BLANKET
 -  TOPSOIL F&P, 4" SEEDING CLASS 3 & HEAVY DUTY EROSION CONTROL BLANKET

FILE NAME =	USER NAME = mworman	DESIGNED -	REVISED -
N:\ALGONDQUIN\070273\070273.00132\Civil\PMK_Main_070273.132.03.SHT		DRAWN -	REVISED -
Default	PLOT SCALE = 28'	CHECKED -	REVISED -
	PLOT DATE = 12/29/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1D HARRISON STREET AND MAIN STREET MAIN STREET PAVEMENT MARKING & LANDSCAPING PLAN			
SCALE: *SCALE*	SHEET	OF	SHEETS
	STA.	TO	STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4560/0145	16-00090-02-PV	MCHENRY	182	76
			CONTRACT NO. 61G60	
ILLINOIS FED. AID PROJECT				



LEGEND

- ① 4" WHITE LANE LINE (10' DASH 30' SKIP)
- ② 4" WHITE LANE LINE
- ③ 4" WHITE LINE
- ④ 4" YELLOW LANE LINE
- ⑤ 6" WHITE LANE LINE
- ⑥ 2-4" YELLOW (11' C-C)
- ⑦ 6" WHITE (2' DASH 6' SKIP)
- ⑧ 24" WHITE STOP BAR
- ⑨ 12" WHITE CROSS WALK (3' C-C @ 45°)
- ⑩ 6" WHITE CROSS WALK EDGE LINE
- ⑪ PAVEMENT MARKING LETTERS AND SYMBOLS
- ⑫ 12" YELLOW DIAGONALS @ 45 DEGREES
- ⑬ 12" WHITE DIAGONALS @ 45 DEGREES
- ⑭ 4" YELLOW LANE LINE
- ⑮ 12" WHITE (3' DASH 3' SKIP)

LANDSCAPING LEGEND

- TOPSOIL F&P, 4" SEEDING CLASS 2A & EROSION CONTROL BLANKET
- TOPSOIL F&P, 4" SEEDING CLASS 3 & HEAVY DUTY EROSION CONTROL BLANKET

TREE LEGEND

SYM.	COMMON NAME
Ac fr	MARMO FREEMAN MAPLE
Gi bi	PRINCETON SENTRY GINKGO
Ma Ad	ADIRONDACK CRAB APPLE
Ma Pf	PRAIRIFIRE CRAB APPLE
Sy pe	PEKING LILAC
Sy re	JAPANESE TREE LILAC
Ta di	COMMON BALD CYPRESS
Ti co	LITTLE LEAF LINDEN
Ui ac	PRINCETON AMERICAN ELM

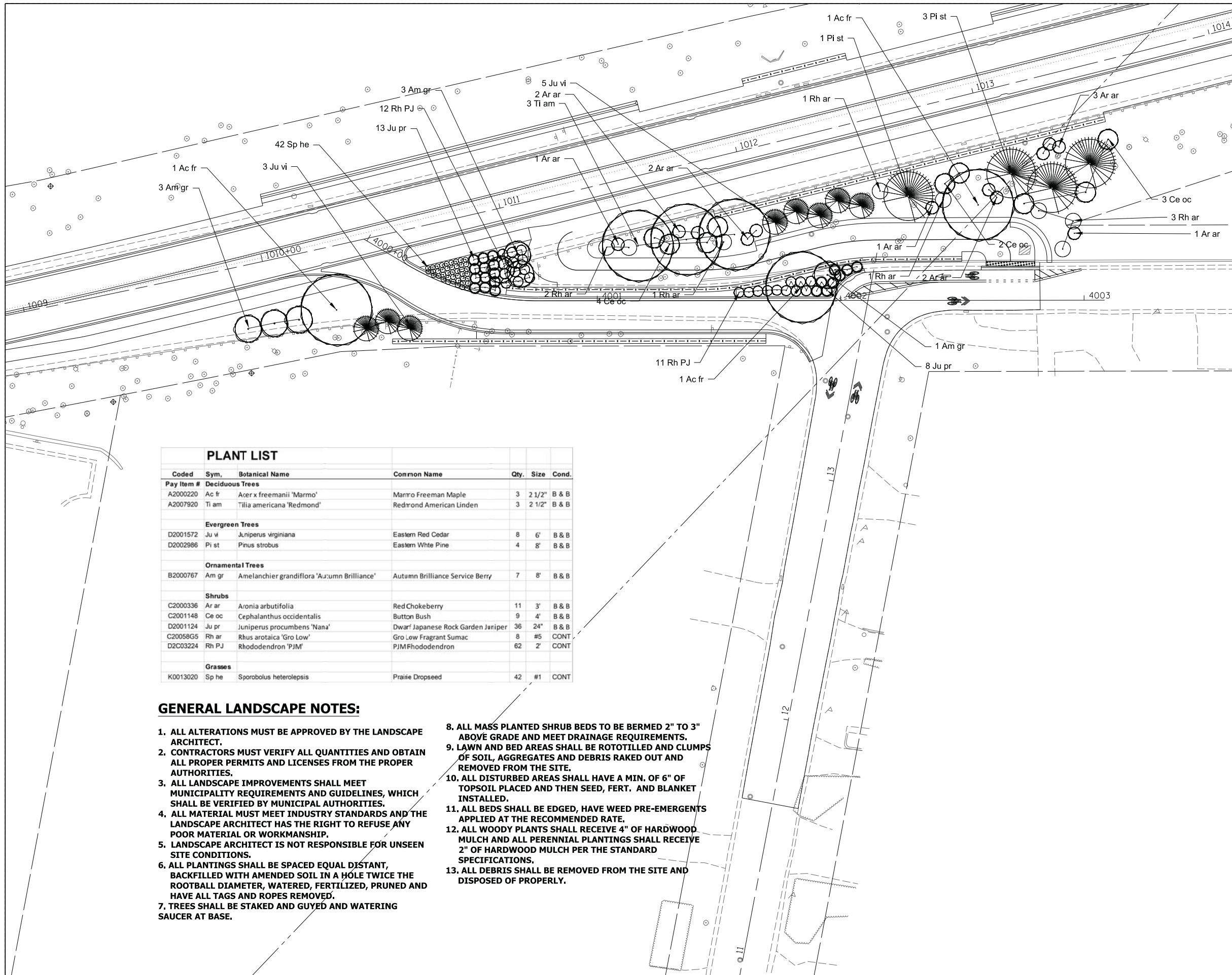
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE 1D HARRISON STREET AND MAIN STREET
ARROWHEAD DR, CARY RD AND ALGONQUIN RD
PAVEMENT MARKING & LANDSCAPING PLAN**

SCALE: \$SCALE\$ SHEET OF SHEETS STA. TO STA.

MUN. RTE. 4560/0145	SECTION 16-00090-02-PV	COUNTY MCHENRY	TOTAL SHEETS 182	SHEET NO. 77
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G60	



PLANT LIST						
Coded	Sym.	Botanical Name	Common Name	Qty.	Size	Cond.
Deciduous Trees						
A2000220	Ac fr	Acer x freemanii 'Marmo'	Marmo Freeman Maple	3	2 1/2"	B & B
A2007920	Ti am	Tilia americana 'Redmond'	Redmond American Linden	3	2 1/2"	B & B
Evergreen Trees						
D2001572	Ju vi	Juniperus virginiana	Eastern Red Cedar	8	6'	B & B
D2002986	Pi st	Pinus strobus	Eastern White Pine	4	8'	B & B
Ornamental Trees						
B2000767	Am gr	Amelanchier grandiflora 'Autumn Brilliance'	Autumn Brilliance Service Berry	7	8'	B & B
Shrubs						
C2000336	Ar ar	Aronia arbutifolia	Red Chokeberry	11	3'	B & B
C2001148	Ce oc	Cephalanthus occidentalis	Button Bush	9	4'	B & B
D2001124	Ju pr	Juniperus procumbens 'Nana'	Dwarf Japanese Rock Garden Juniper	36	24"	B & B
C20058G5	Rh ar	Rhus aromatica 'Gro Low'	Gro Low Fragrant Sumac	8	#5	CONT
D2C03224	Rh PJ	Rhododendron 'PJM'	PJM Rhododendron	62	2'	CONT
Grasses						
K0013020	Sp he	Sporobolus heterolepis	Prairie Dropseed	42	#1	CONT

GENERAL LANDSCAPE NOTES:

- ALL ALTERATIONS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT.
- CONTRACTORS MUST VERIFY ALL QUANTITIES AND OBTAIN ALL PROPER PERMITS AND LICENSES FROM THE PROPER AUTHORITIES.
- ALL LANDSCAPE IMPROVEMENTS SHALL MEET MUNICIPALITY REQUIREMENTS AND GUIDELINES, WHICH SHALL BE VERIFIED BY MUNICIPAL AUTHORITIES.
- ALL MATERIAL MUST MEET INDUSTRY STANDARDS AND THE LANDSCAPE ARCHITECT HAS THE RIGHT TO REFUSE ANY POOR MATERIAL OR WORKMANSHIP.
- LANDSCAPE ARCHITECT IS NOT RESPONSIBLE FOR UNSEEN SITE CONDITIONS.
- ALL PLANTINGS SHALL BE SPACED EQUAL DISTANT, BACKFILLED WITH AMENDED SOIL IN A HOLE TWICE THE ROOTBALL DIAMETER, WATERED, FERTILIZED, PRUNED AND HAVE ALL TAGS AND ROPES REMOVED.
- TREES SHALL BE STAKED AND GUYED AND WATERING SAUCER AT BASE.
- ALL MASS PLANTED SHRUB BEDS TO BE BERMED 2" TO 3" ABOVE GRADE AND MEET DRAINAGE REQUIREMENTS.
- LAWN AND BED AREAS SHALL BE ROTOTILLED AND CLUMPS OF SOIL, AGGREGATES AND DEBRIS RAKED OUT AND REMOVED FROM THE SITE.
- ALL DISTURBED AREAS SHALL HAVE A MIN. OF 6" OF TOPSOIL PLACED AND THEN SEED, FERT. AND BLANKET INSTALLED.
- ALL BEDS SHALL BE EDGED, HAVE WEED PRE-EMERGENTS APPLIED AT THE RECOMMENDED RATE.
- ALL WOODY PLANTS SHALL RECEIVE 4" OF HARDWOOD MULCH AND ALL PERENNIAL PLANTINGS SHALL RECEIVE 2" OF HARDWOOD MULCH PER THE STANDARD SPECIFICATIONS.
- ALL DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.

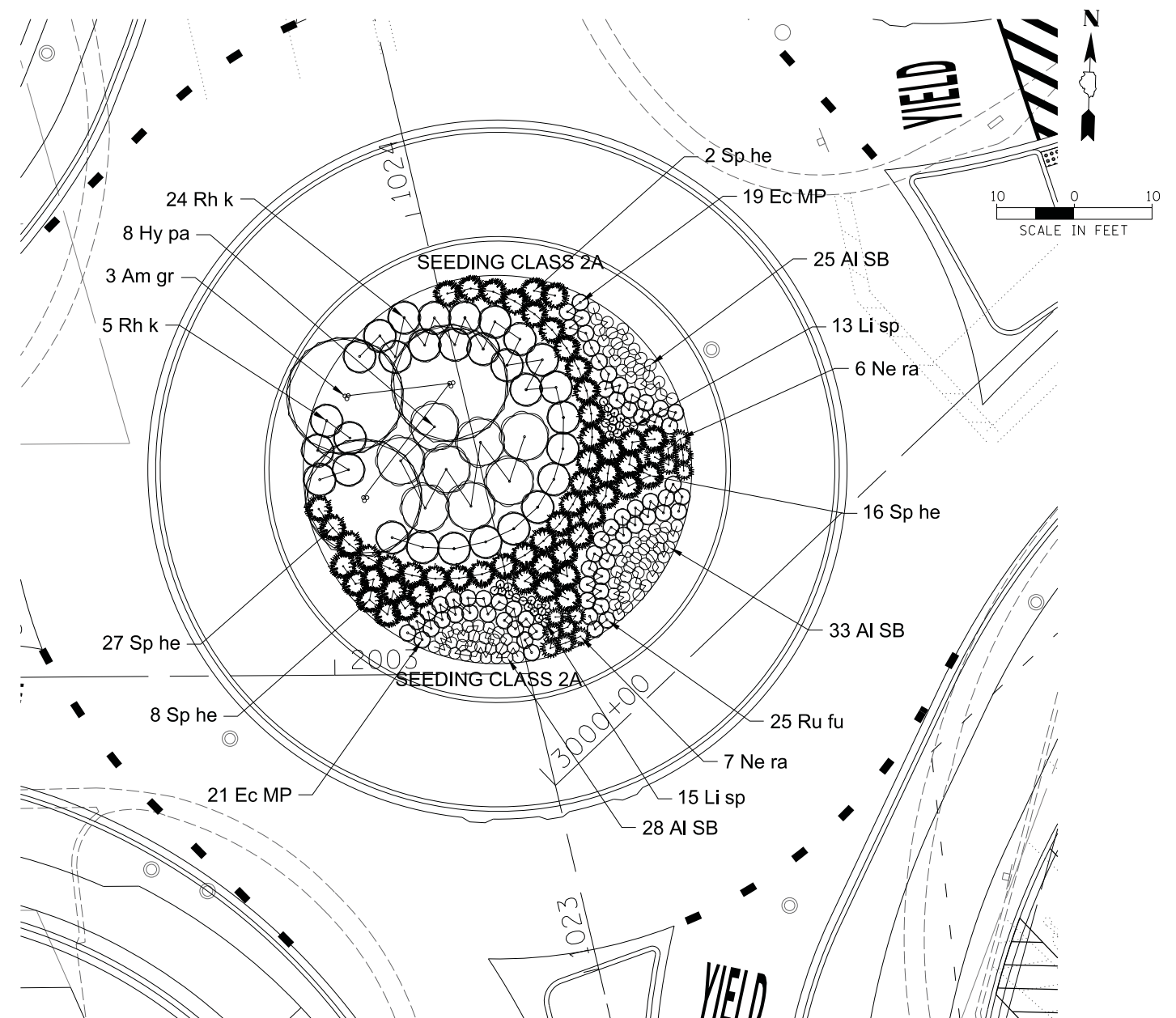
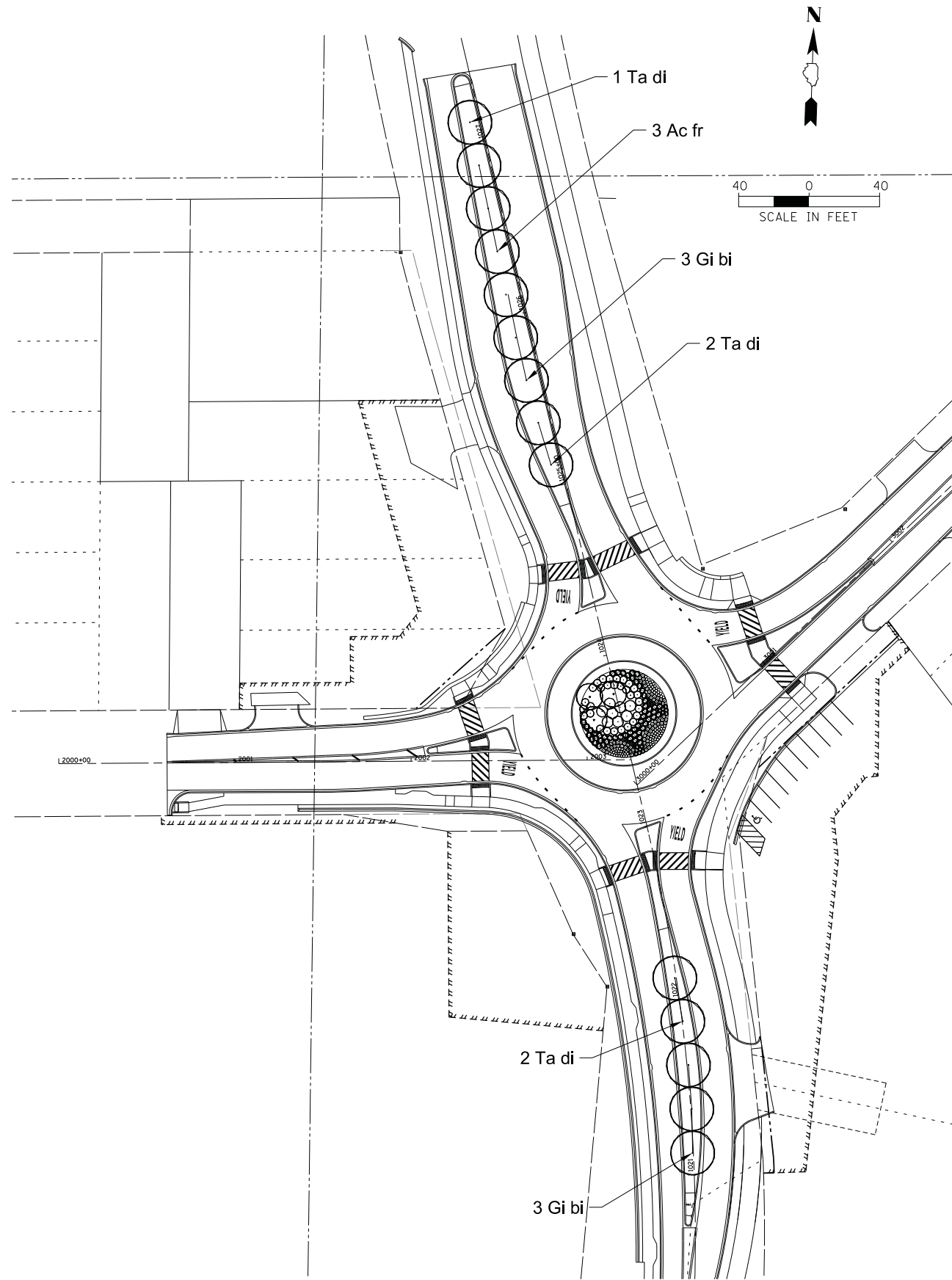
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE 1D HARRISON STREET AND MAIN STREET
MAIN STREET PLANTING PLAN**

SCALE: \$SCALE\$ SHEET OF SHEETS STA. TO STA.

MUN. RTE. 4560/0145	SECTION 16-00090-02-PV	COUNTY MCHENRY	TOTAL SHEETS 182	SHEET NO. 78
				CONTRACT NO. 61G60
ILLINOIS FED. AID PROJECT				



PLANT LIST						
Coded	Sym.	Botanical Name	Common Name	Qty.	Size	Cond.
MEDIANS						
Deciduous Trees						
A2000220	Ac fr	Acer x freemanii 'Marmo'	Marmo Freeman Maple	3	2-1/2"	B & B
A2004520	Gi bi	Ginkgo biloba 'Princeton Sentry'	Princeton Sentry Ginkgo	6	2-1/2"	B & B
A2007620	Ta di	Taxodium distichum	Common Bald Cypress	5	2-1/2"	B & B
ROUNDBABOUT						
Deciduous Trees						
B2000767	Am gr	Amandier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Service Berry	3	8'	B & B
Deciduous Shrubs						
C2003536	Hy pa	Hydrangea paniculata grandiflora	Peegee Hydrangea	8	3'	B & B
D2C03224	Rh PJ	Rhododendron 'PJM'	PJM Rhododendron	29	2'	CONT
Perennials and Grasses						
K0012990	AI SB	Allium 'Summer Beauty'	Summer Beauty Onion	86	#1	CONT
K0012990	Li sp	Liatris spicata 'Kolbold'	Kolbold Gayfeather	28	#1	CONT
K0012990	Ec MP	Echinacea 'Magnus Purple'	Magnus Purple Coneflower	40	#1	CONT
K0012990	Ne ra	Nepeta racemosa 'Walkers Low'	Walker's Low Catmint	13	#1	CONT
K0012990	Ru fu	Rubckia fulgida 'Goldstrum'	Goldstrum Blackeyed Susan	25	#1	CONT
K0012990	Sp he	Sporobolus heterolepis	Prairie Dropseed	53	#1	CONT

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE 1D HARRISON STREET AND MAIN STREET
MAIN STREET PLANTING PLAN**

SCALE: \$SCALE\$ SHEET OF SHEETS STA. TO STA.

MUN. R.T.E. 4560/0145	SECTION 16-00090-02-PV	COUNTY MCHENRY	TOTAL SHEETS 182	SHEET NO. 79
CONTRACT NO. 61G60				
ILLINOIS FED. AID PROJECT				

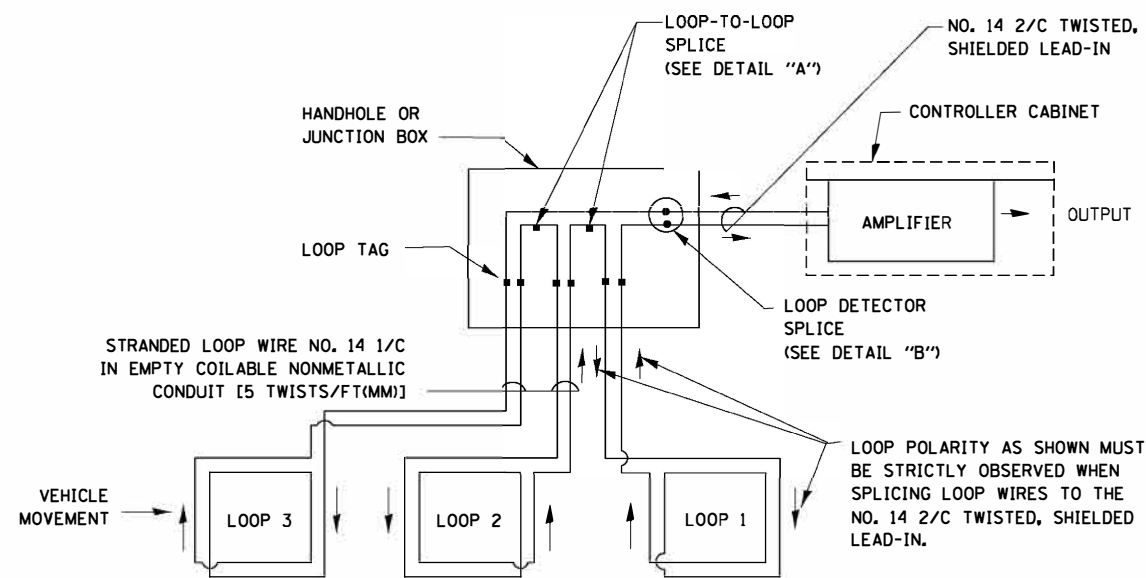
TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE	 	
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	 	 	RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM	S	SP	FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F	 	
WOOD POLE			INTERSECTION ITEM	I	IP	GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	 	
GUY WIRE			REMOVE ITEM		R			
SIGNAL HEAD			RELOCATE ITEM		RL			
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM		A			
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF			
FLASHER INSTALLATION -(FS) SOLAR POWERED	 	 	MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF			
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF			
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

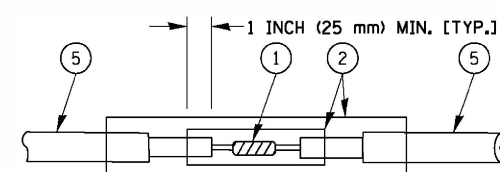
LOOP DETECTOR NOTES

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.

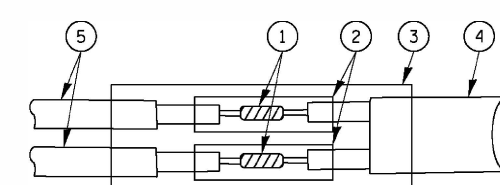


DETECTOR LOOP WIRING SCHEMATIC

- 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.

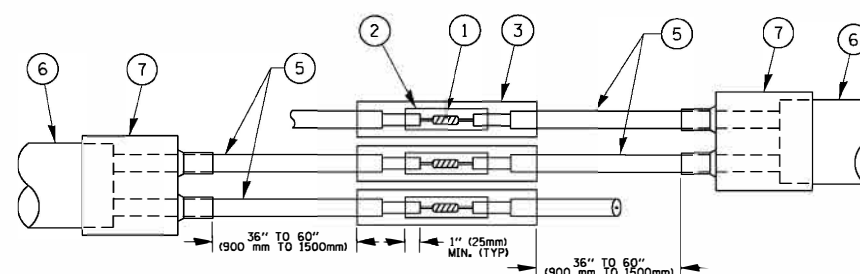


DETAIL "A"
LOOP-TO-LOOP SPLICE

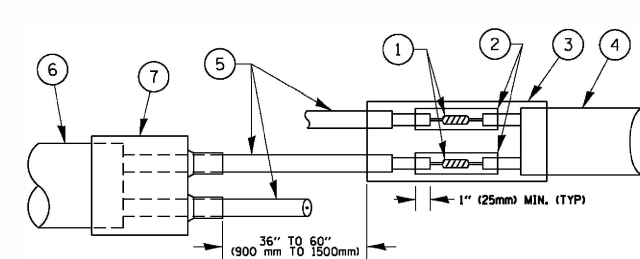


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



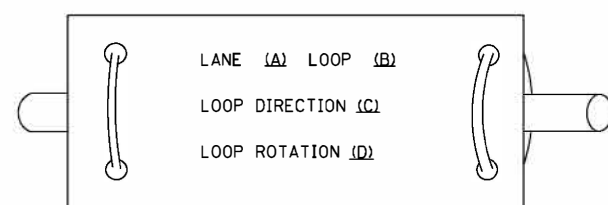
DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

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.

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 LENGTH 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED CABLE.
- ⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- ⑥ PREFORMED LOOP
- ⑦ XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

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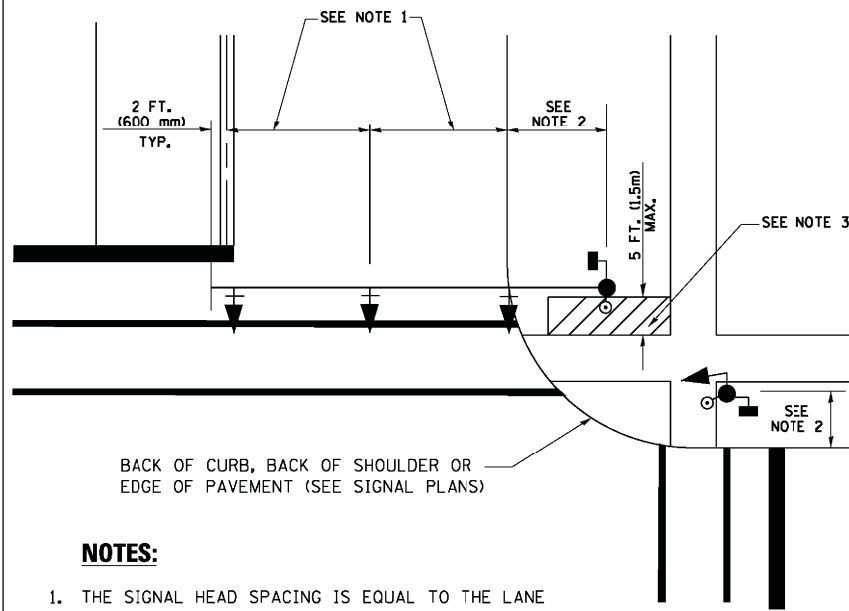
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET NO. 2 OF 7 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4560/0145	16-00090-02-PV	McHENRY	182	81
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G60	

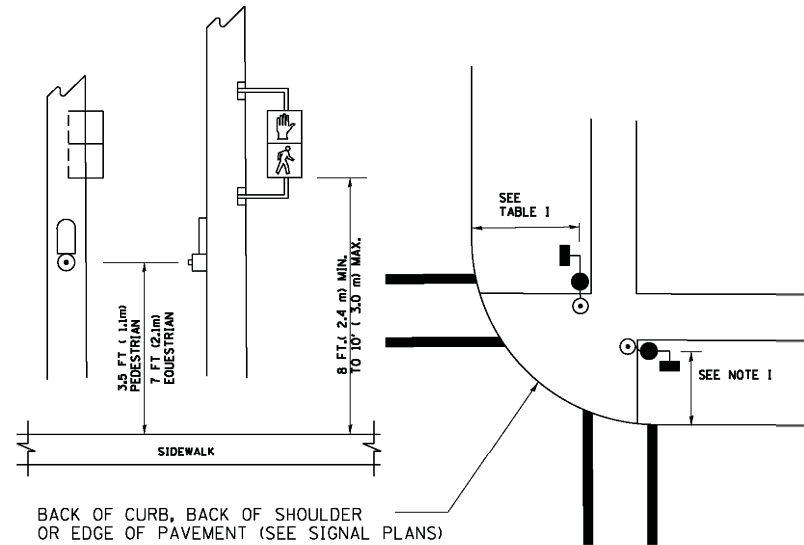
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



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."

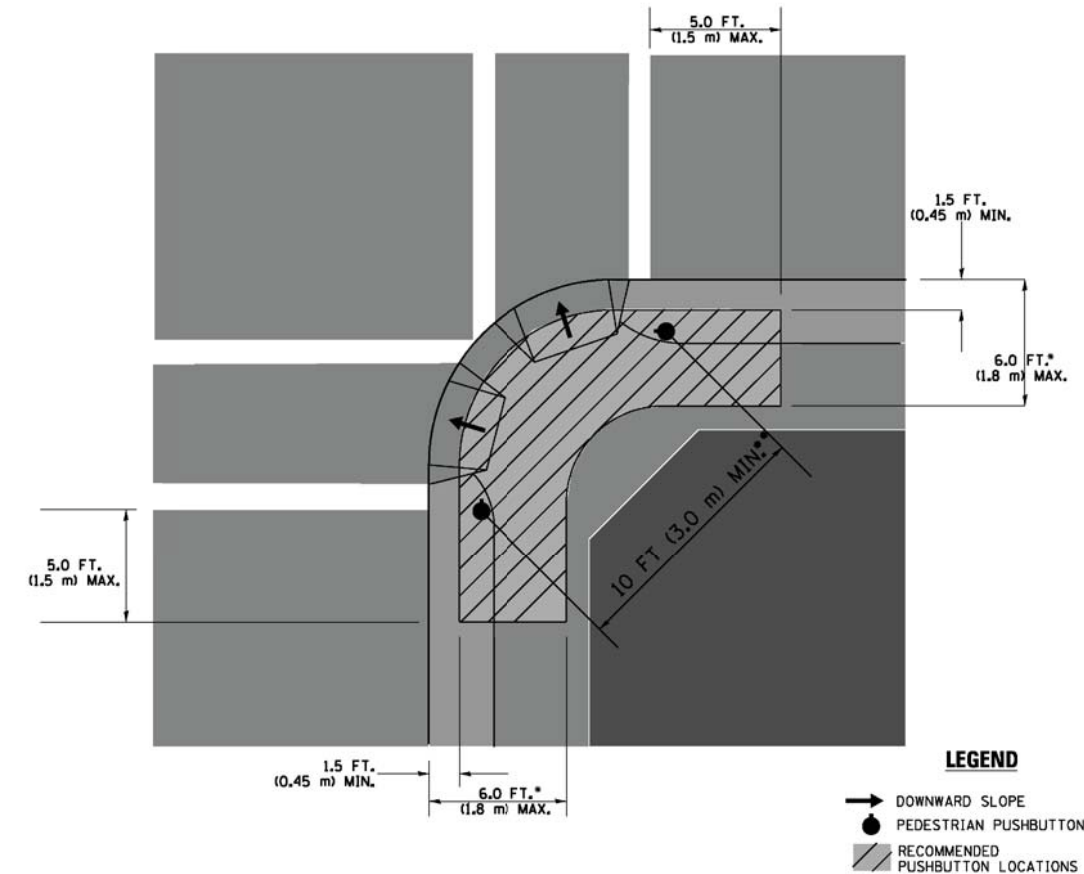
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



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



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ 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) SEPARATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

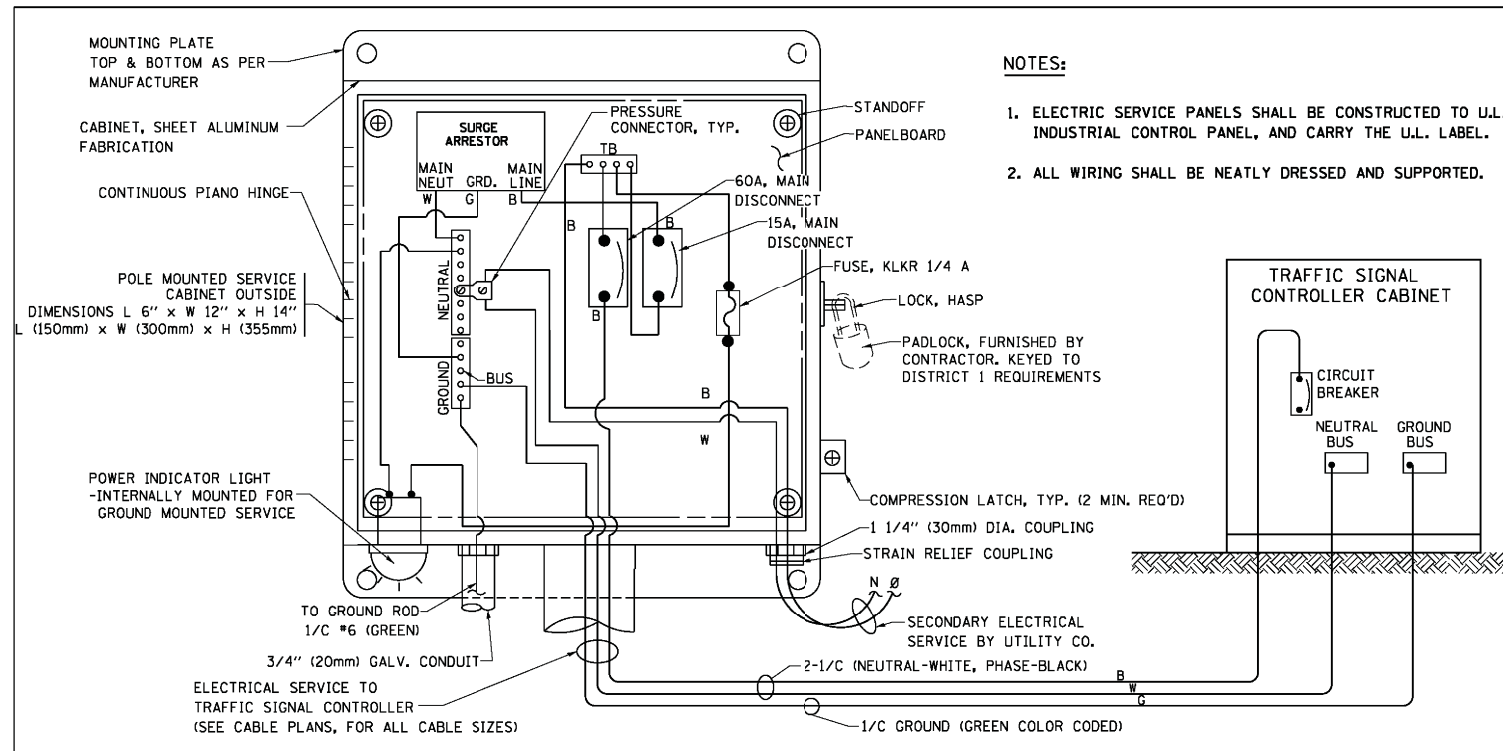
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM 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

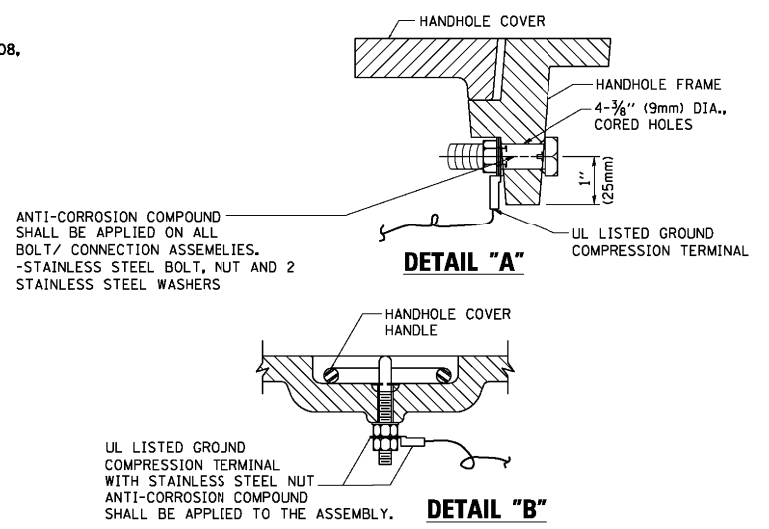
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 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 TO THE 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.

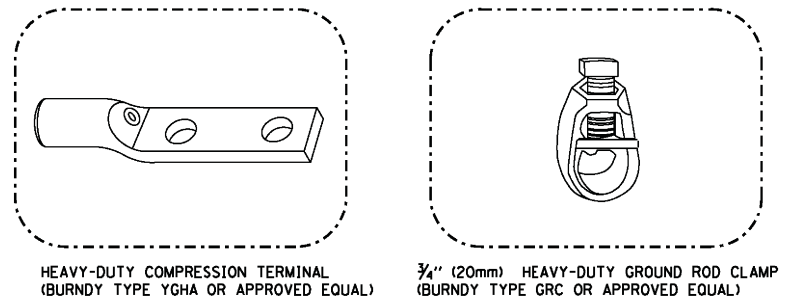
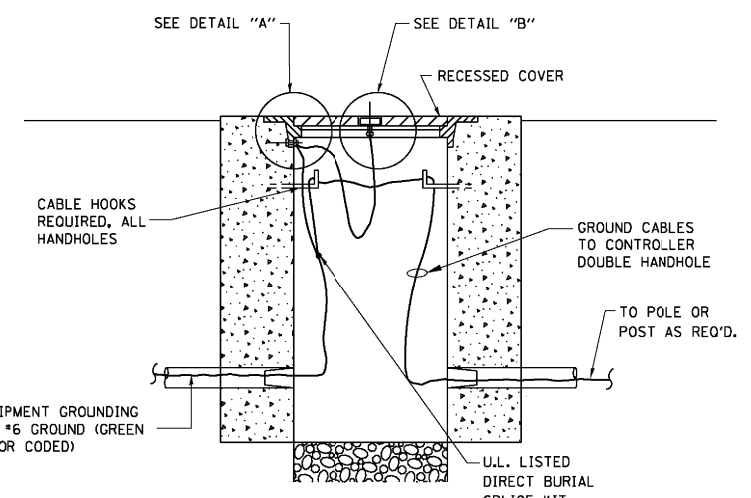


ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



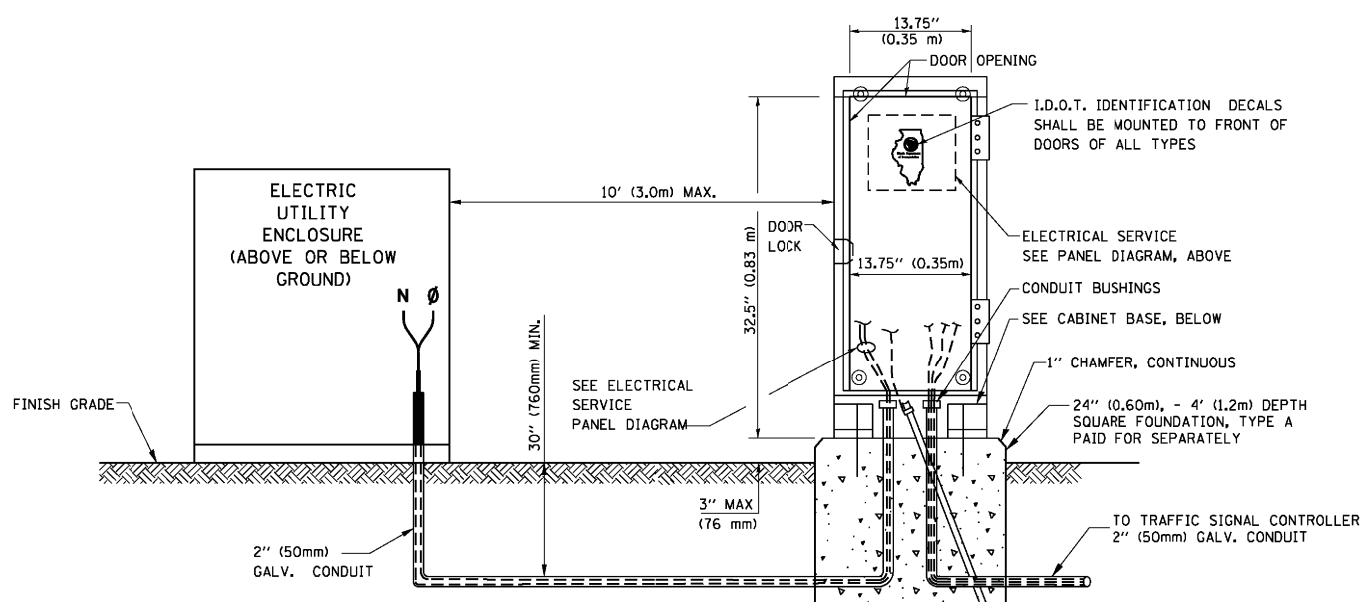
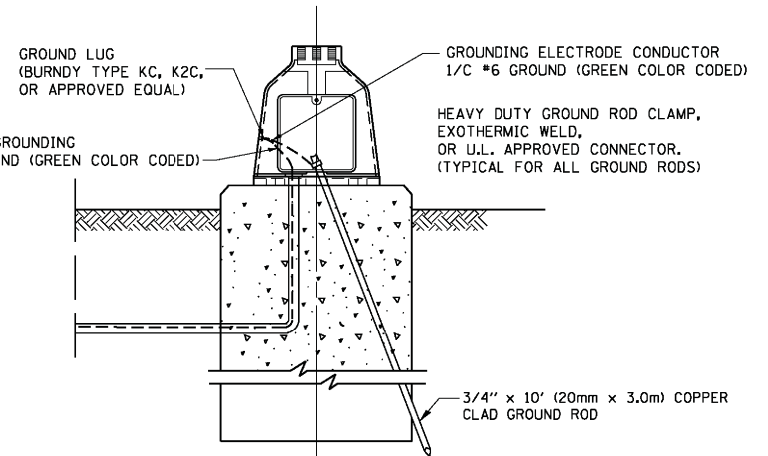
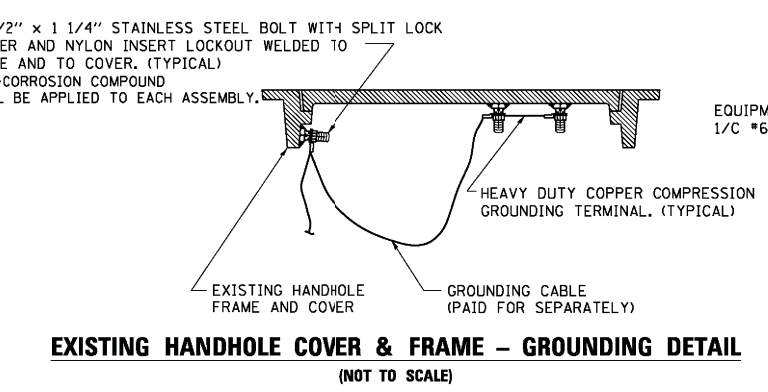
NOTES:
GROUNDING SYSTEM

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



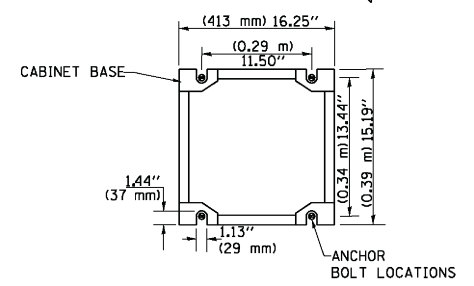
NOTES:

- 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.

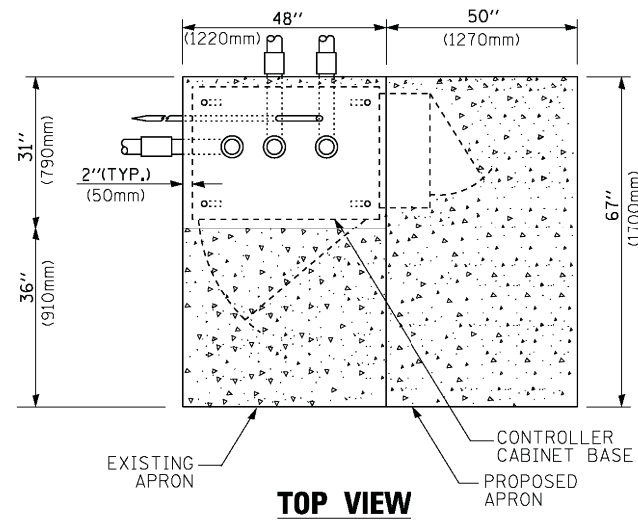


SERVICE INSTALLATION GROUND MOUNT
 (NOT TO SCALE)

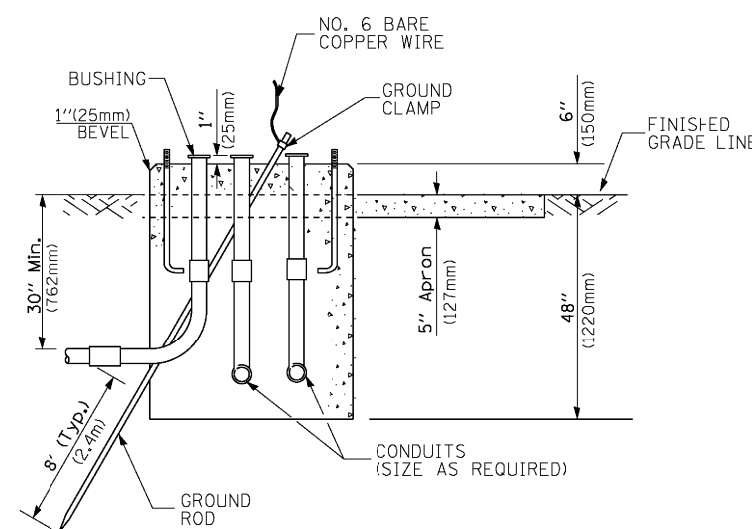
CABINET - BASE BOLT PATTERN
 (NOT TO SCALE)



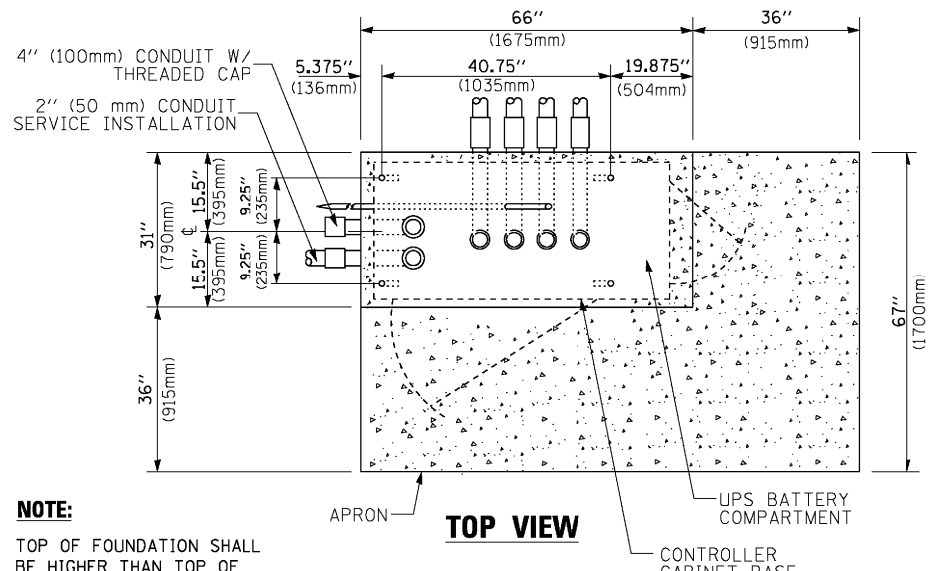
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DRAWN - BCK	CHECKED - DAD	REVISOR -	REVISOR -		SCALE: NONE	SHEET NO. 4 OF 7 SHEETS	STA. TO STA.	TS-05		CONTRACT NO. 61G60		
PLOT SCALE = 50.0000' / 1"	DATE - 10-28-09	REVISOR -	REVISOR -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
PLOT DATE = 1/13/2014												



TOP VIEW

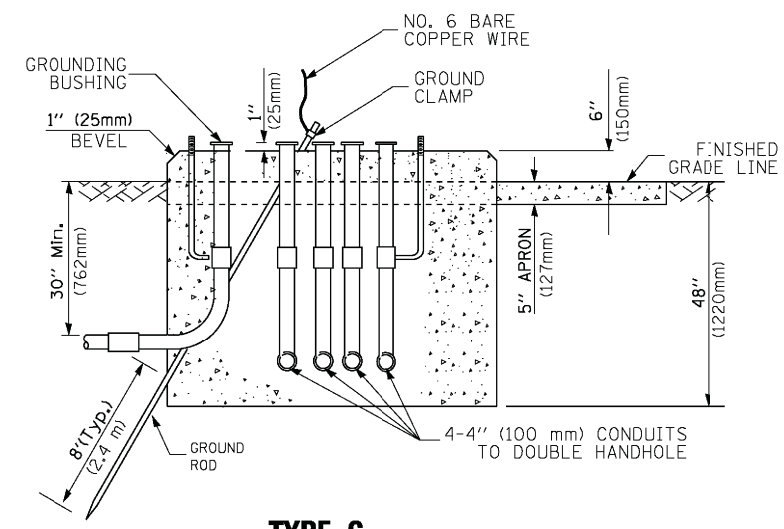


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

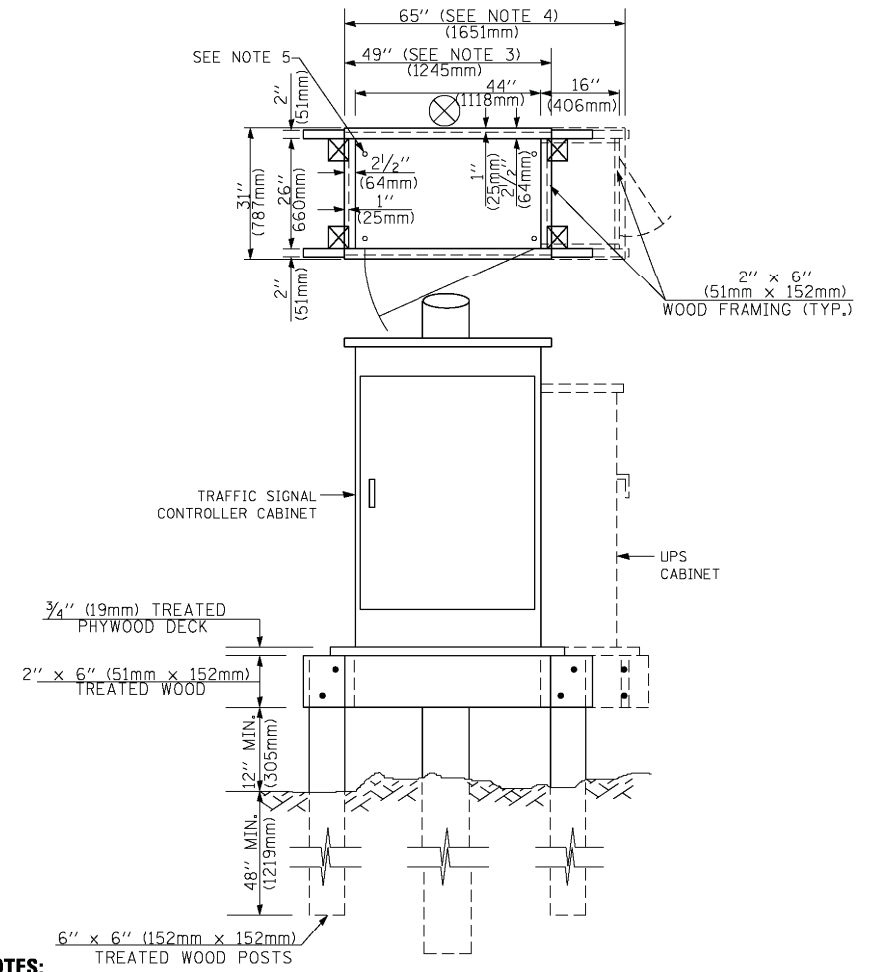


TOP VIEW

NOTE:
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



**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)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m) and up to 85' (25.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

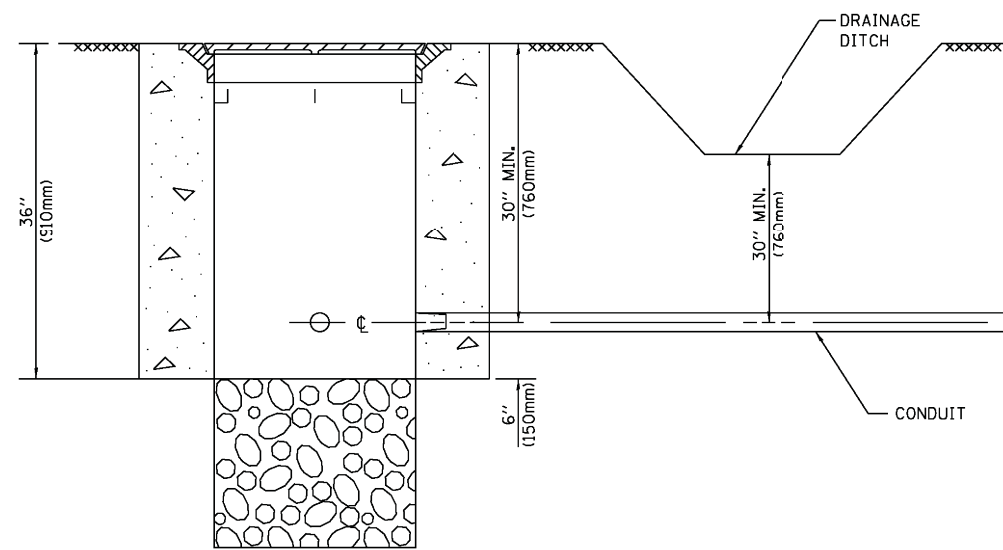
NOTES:

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

FILE NAME =	USER NAME = footemj	DESIGNED - DAG	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 50.0000' / 1"	CHECKED - DAD	REVISED -	TS-05			CONTRACT NO. 61G60				
PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

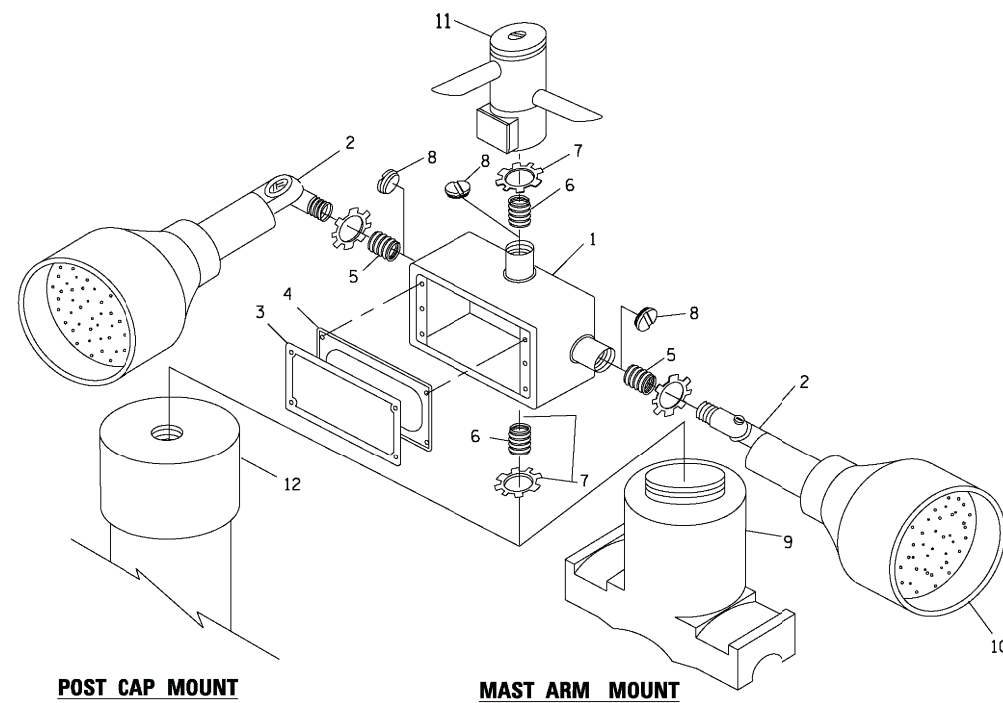
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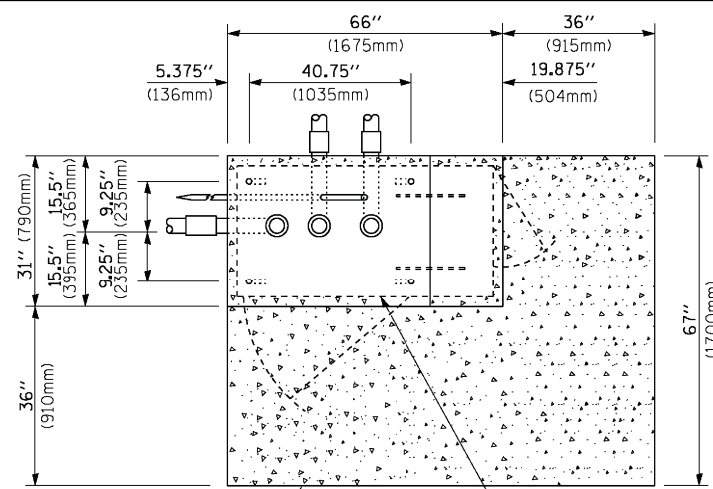
NOTES:

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.

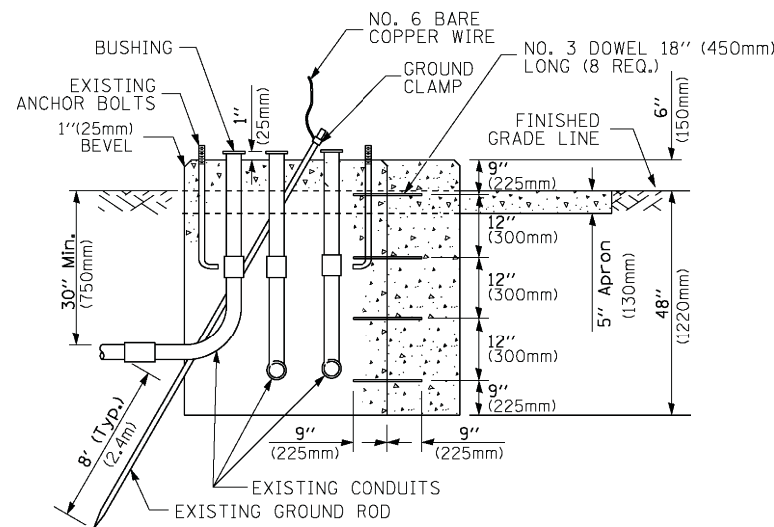
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



TOP VIEW
(NOT TO SCALE)

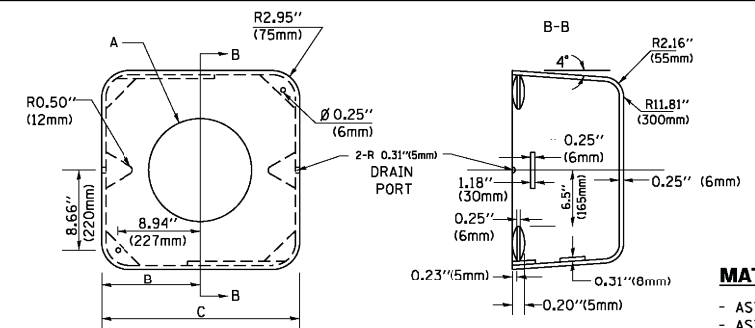


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

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	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (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.



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

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

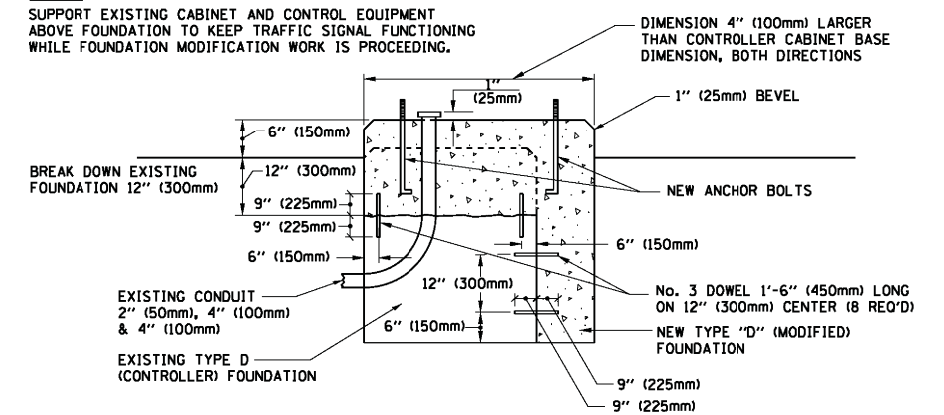
SHROUD

NOTES:

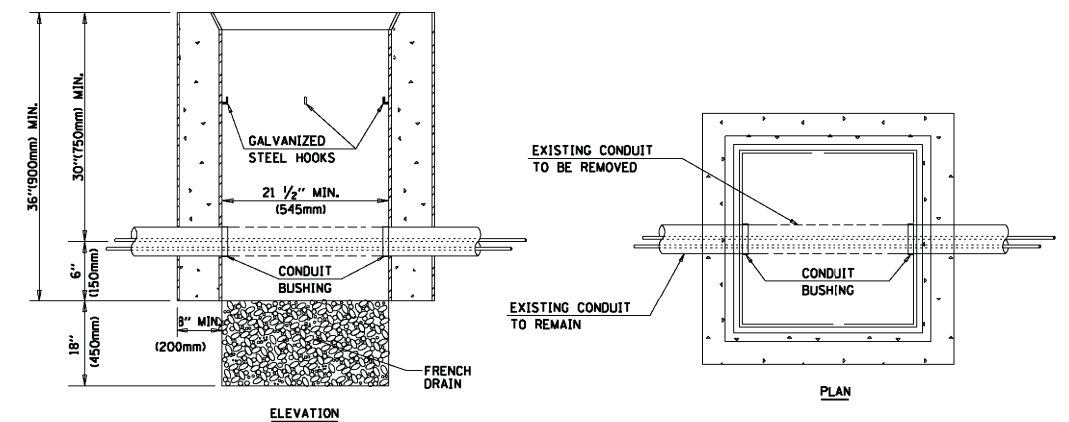
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

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



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

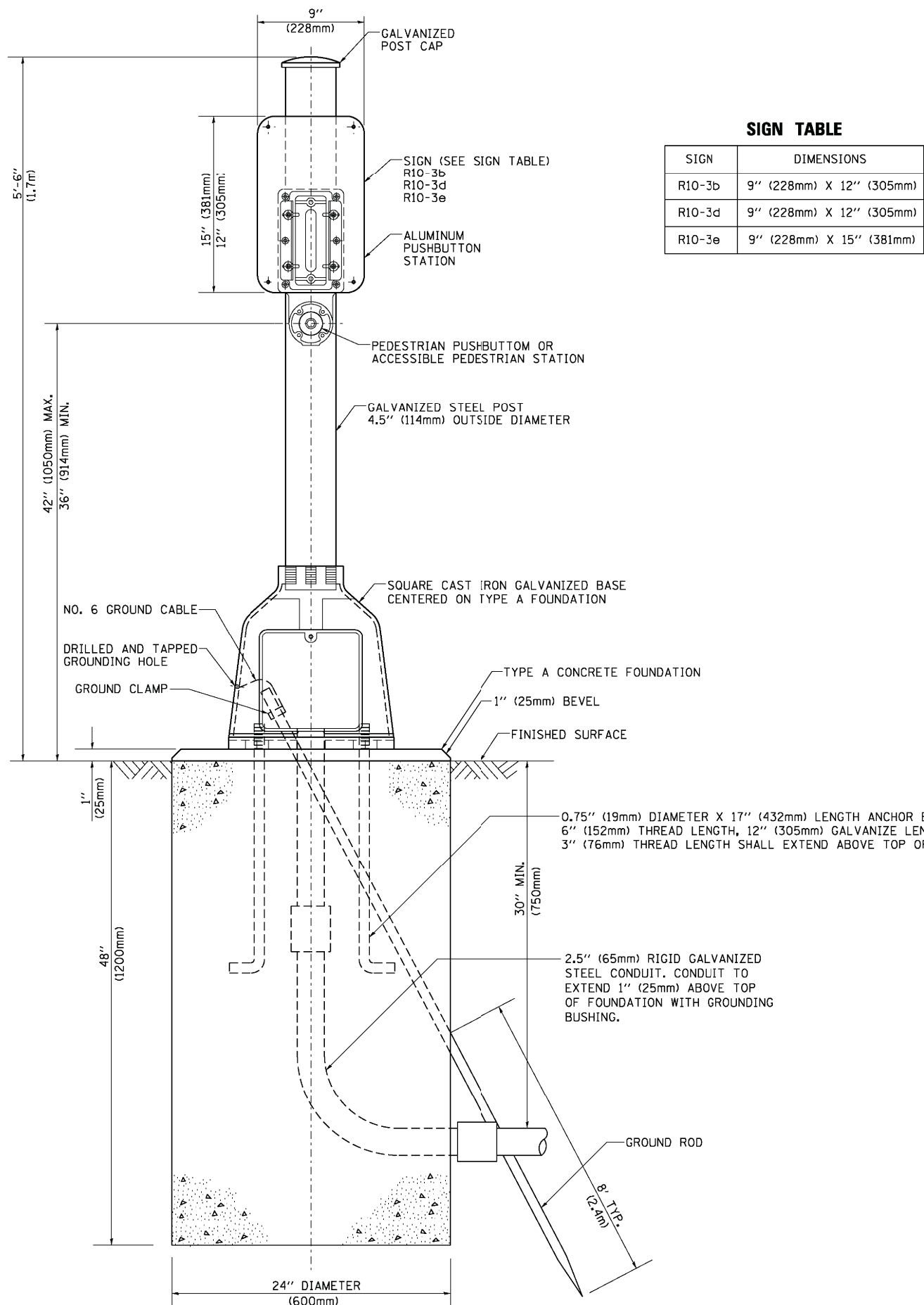
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	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

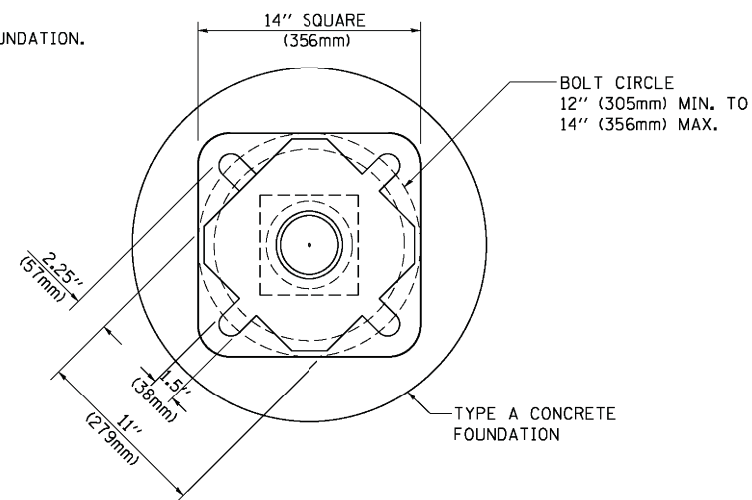
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MUN. RTE. 4560/0145	SECTION 16-00090-02-PV	COUNTY McHENRY	TOTAL SHEETS 182	SHEET NO. 85
TS-05		CONTRACT NO. 61G60		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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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ca:\pwork\pwork\footemj\d0108315\ts05.dgn		DRAWN - GND	REVISED -
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	PLOT DATE = 1/13/2014	DATE - 10/1/2012	REVISED -

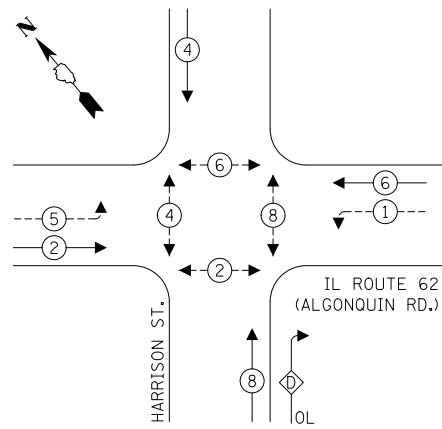
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

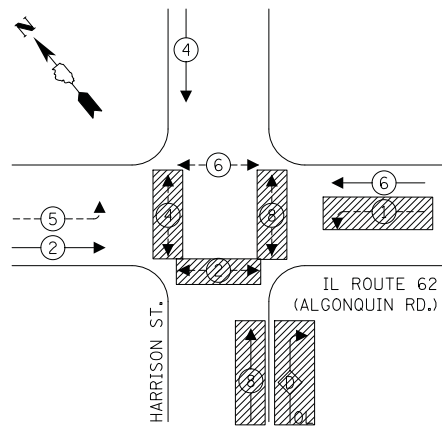
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MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4560/0145	16-00090-02-PV	McHENRY	182	86
TS-05			CONTRACT NO. 61G60	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

EXISTING CONTROLLER SEQUENCE



TEMPORARY CONTROLLER SEQUENCE



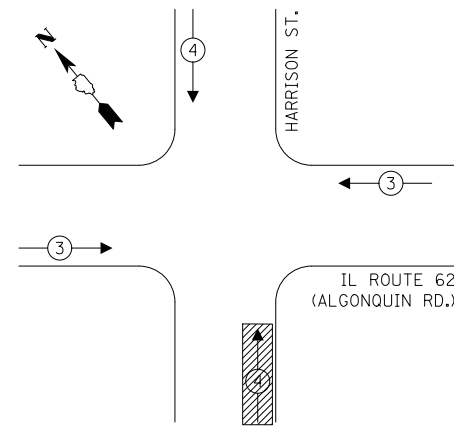
RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
D	8	1

LEGEND:

- ← * → PROTECTED PHASE
- ← * - - - PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← OL → OVERLAP

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



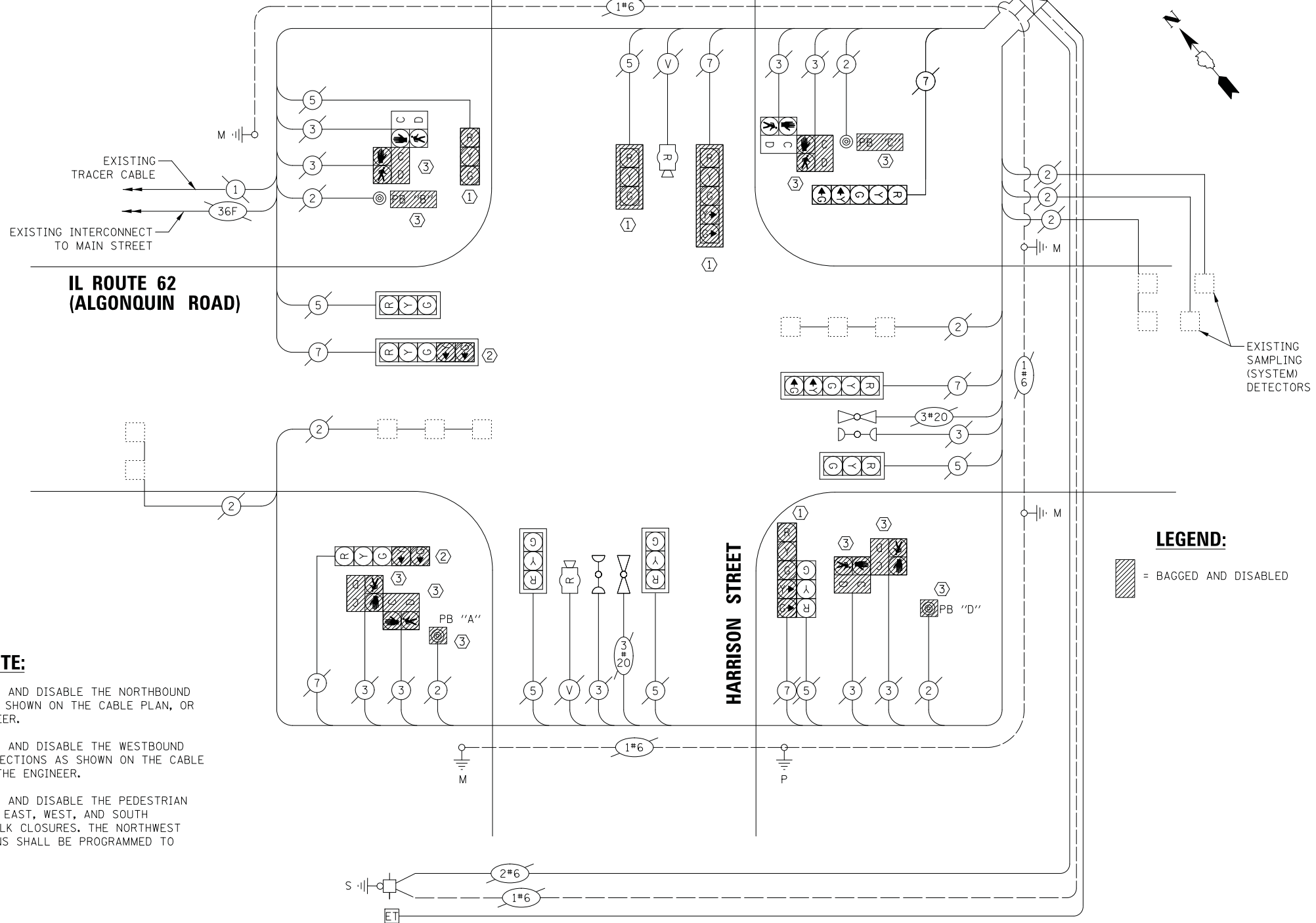
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	9	11	50	49.5
(YELLOW)	9	20	5	9.0
(GREEN)	9	12	45	48.6
PERMISSIVE ARROW	4	10	10	4.0
PED. SIGNAL	2	20	100	40.0
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	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				426.1

ENERGY COSTS TO:
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS
 ENERGY SUPPLY: CONTACT: NEW BUSINESS
 PHONE: NEW PHONE
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

NOTE:
 PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4.
 PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6.
 PUSHBUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8.
 PUSHBUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8.

IL ROUTE 62 (ALGONQUIN ROAD)



CONSTRUCTION NOTE:

- ① THE CONTRACTOR SHALL BAG AND DISABLE THE NORTHBOUND APPROACH SIGNAL HEADS AS SHOWN ON THE CABLE PLAN, OR AS DIRECTED BY THE ENGINEER.
- ② THE CONTRACTOR SHALL BAG AND DISABLE THE WESTBOUND LEFT TURN ARROW SIGNAL SECTIONS AS SHOWN ON THE CABLE PLAN, OR AS DIRECTED BY THE ENGINEER.
- ③ THE CONTRACTOR SHALL BAG AND DISABLE THE PEDESTRIAN SIGNAL EQUIPMENT FOR THE EAST, WEST, AND SOUTH APPROACHES DUE TO SIDEWALK CLOSURES. THE NORTHWEST AND NORTHEAST PUSHBUTTONS SHALL BE PROGRAMMED TO ONLY CALL PED PHASE 6.

MOT PHASE 1 "HARRISON STREET (SOUTH)" CABLE PLAN

(NOT TO SCALE)

LEGEND:

▨ = BAGGED AND DISABLED

FILE NAME = N:\ALGONQUIN\070273\070273.00132\Traffic\CAB_Harrison-IL62_MOT_1.dgn
 USER NAME = mworman
 DRAWN - FPB
 CHECKED - GMZ
 DATE -
 PLOT SCALE = 28"
 PLOT DATE = 12/5/2020

DESIGNED - EAJ
 REVISIONS:
 REVISIONS:
 REVISIONS:
 REVISIONS:

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN
 MOT PHASE 1 "HARRISON STREET (SOUTH)"
 IL ROUTE 62 (ALGONQUIN ROAD) AND HARRISON STREET

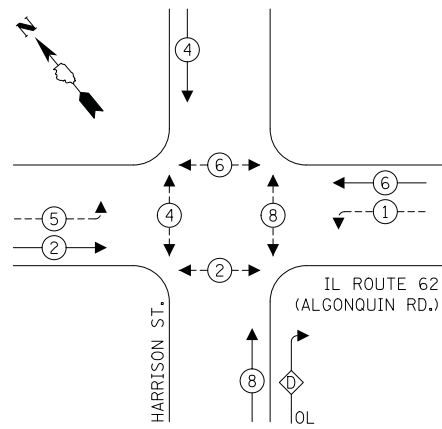
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MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4560/0145	16-00090-02-PV	MCHENRY	182	87
				CONTRACT NO. 61G60

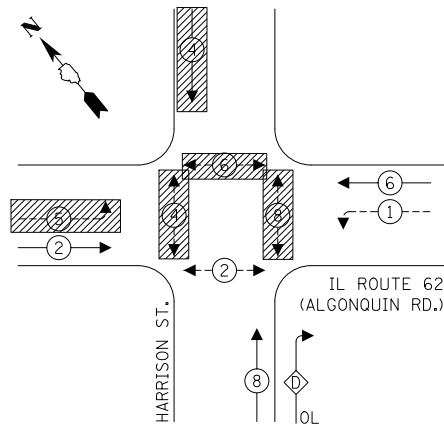
TS# 11580
 ECON 193

ILLINOIS FED. AID PROJECT

EXISTING CONTROLLER SEQUENCE



TEMPORARY CONTROLLER SEQUENCE



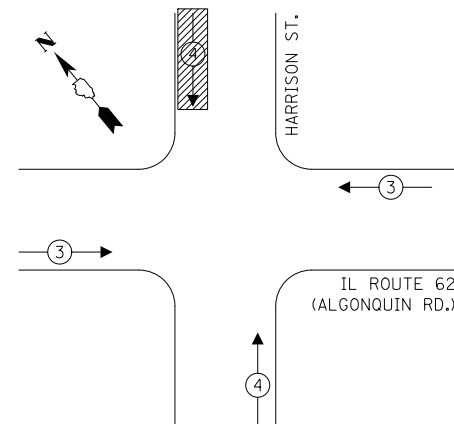
RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
D	= 8	+ 1

LEGEND:

- ← * → PROTECTED PHASE
- ← * - - - PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← OL → OVERLAP

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	10	11	50	55.0
(YELLOW)	10	20	5	10.0
(GREEN)	10	12	45	54.0
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	2	20	100	40.0
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	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				442.0

ENERGY COSTS TO:

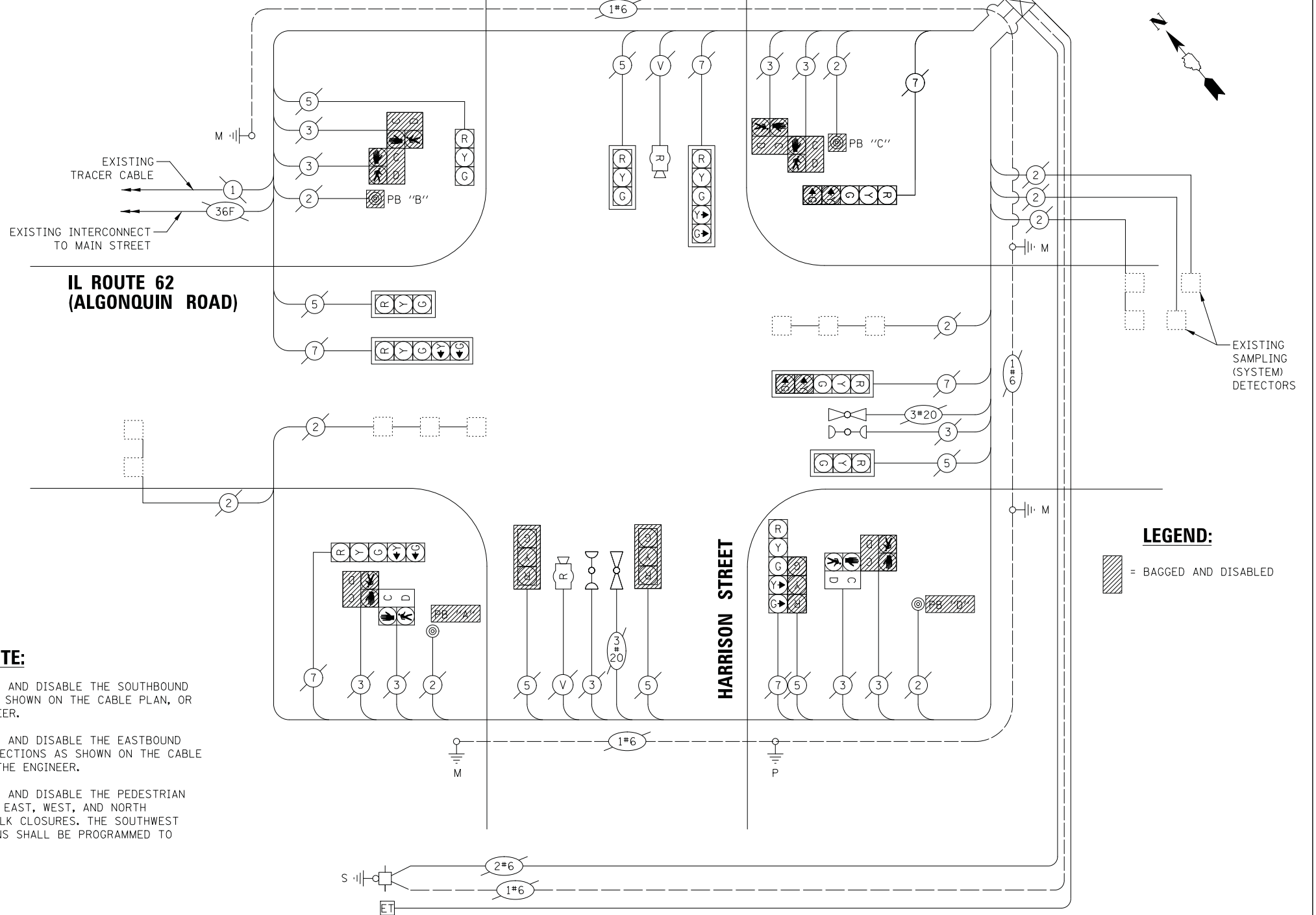
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS

ENERGY SUPPLY: CONTACT: NEW BUSINESS
PHONE: NEW PHONE
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

CONSTRUCTION NOTE:

- ① THE CONTRACTOR SHALL BAG AND DISABLE THE SOUTHBOUND APPROACH SIGNAL HEADS AS SHOWN ON THE CABLE PLAN, OR AS DIRECTED BY THE ENGINEER.
- ② THE CONTRACTOR SHALL BAG AND DISABLE THE EASTBOUND LEFT TURN ARROW SIGNAL SECTIONS AS SHOWN ON THE CABLE PLAN, OR AS DIRECTED BY THE ENGINEER.
- ③ THE CONTRACTOR SHALL BAG AND DISABLE THE PEDESTRIAN SIGNAL EQUIPMENT FOR THE EAST, WEST, AND NORTH APPROACHES DUE TO SIDEWALK CLOSURES. THE SOUTHWEST AND SOUTHEAST PUSHBUTTONS SHALL BE PROGRAMMED TO ONLY CALL PED PHASE 2.

NOTE:
PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4.
PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6.
PUSHBUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8.
PUSHBUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8.



MOT PHASE 1 "HARRISON STREET (NORTH)" CABLE PLAN

(NOT TO SCALE)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

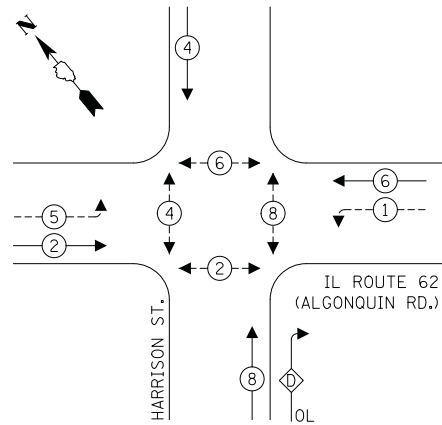
TEMPORARY CABLE PLAN
MOT PHASE 1 "HARRISON STREET (NORTH)"
IL ROUTE 62 (ALGONQUIN ROAD) AND HARRISON STREET

MUN. RTE. 4560/0145	SECTION 16-00090-02-PV	COUNTY MCHENRY	TOTAL SHEETS 182	SHEET NO. 88
CONTRACT NO. 61G60			ILLINOIS FED. AID PROJECT	

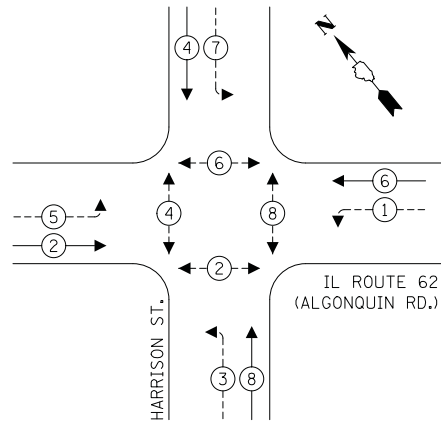
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	PLOT DATE = 12/5/2020	CHECKED - GMZ	REVISED -
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TS# 11580
ECON 193

EXISTING CONTROLLER SEQUENCE



PROPOSED CONTROLLER SEQUENCE



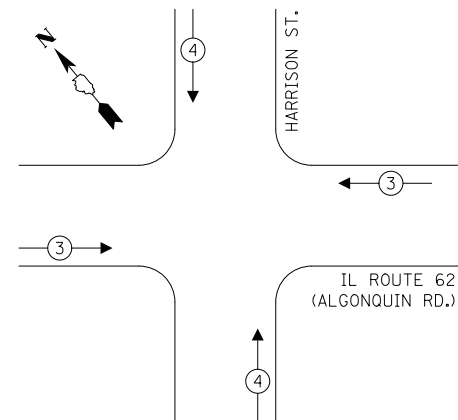
RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
D	8	1

LEGEND:

- ← ⊛ → PROTECTED PHASE
- ← ⊛ ⊛ → PROTECTED/PERMITTED PHASE
- ← ⊛ ⊛ ⊛ → PEDESTRIAN PHASE
- ← ⊛ ⊛ ⊛ OL OVERLAP

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



CONSTRUCTION NOTES:

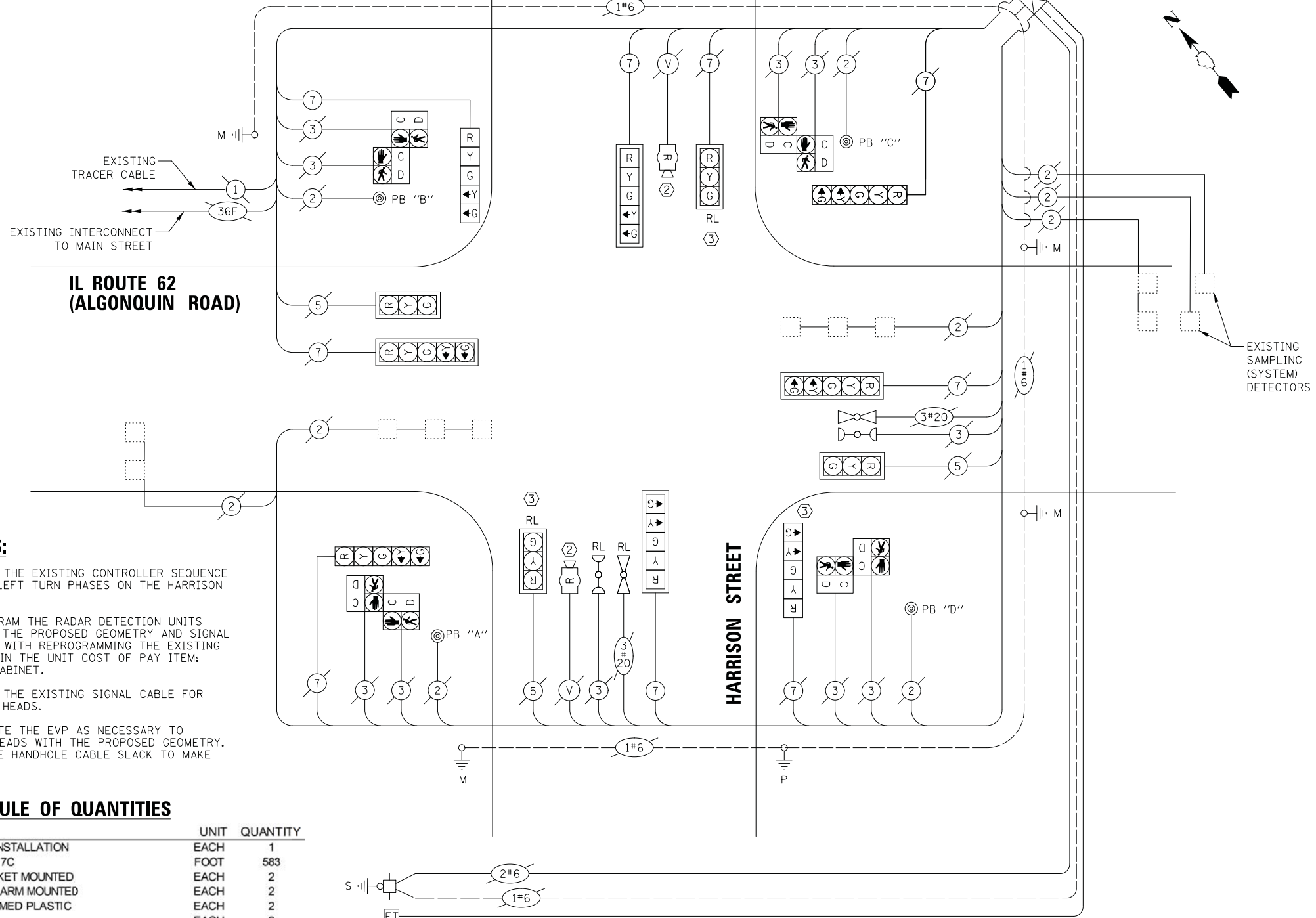
- 1 THE CONTRACTOR SHALL MODIFY THE EXISTING CONTROLLER SEQUENCE TO ADD PROTECTED-PERMITTED LEFT TURN PHASES ON THE HARRISON STREET APPROACHES.
- 2 THE CONTRACTOR SHALL REPROGRAM THE RADAR DETECTION UNITS TO DETECT VEHICLES BASED ON THE PROPOSED GEOMETRY AND SIGNAL PHASING. THE COST ASSOCIATED WITH REPROGRAMMING THE EXISTING EQUIPMENT SHALL BE INCLUDED IN THE UNIT COST OF PAY ITEM; MODIFY EXISTING CONTROLLER CABINET.
- 3 THE CONTRACTOR SHALL RE-USE THE EXISTING SIGNAL CABLE FOR THE NEW OR RELOCATED SIGNAL HEADS.
- 4 THE CONTRACTOR SHALL RELOCATE THE EVP AS NECESSARY TO CORRECTLY ALIGN THE SIGNAL HEADS WITH THE PROPOSED GEOMETRY. THE CONTRACTOR SHALL USE THE HANDHOLE CABLE SLACK TO MAKE ANY ADJUSTMENTS.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	583
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2
RELOCATE EXISTING SIGNAL HEAD	EACH	2
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	689
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

NOTE:
 PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4.
 PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6.
 PUSHBUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8.
 PUSHBUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8.

IL ROUTE 62 (ALGONQUIN ROAD)



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				443.8

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS

ENERGY SUPPLY: CONTACT: NEW BUSINESS
 PHONE: NEW PHONE
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

FILE NAME =	USER NAME = mworman
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Default	PLOT DATE = 12/5/2020

DESIGNED - EAJ	REVISED -
DRAWN - FPB	REVISED -
CHECKED - GMZ	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED CABLE PLAN
IL ROUTE 62 (ALGONQUIN ROAD) AND HARRISON STREET

SCALE: \$SCALE\$ SHEET OF SHEETS STA. TO STA.

MUN. RTE. 4560/0145	SECTION 16-00090-02-PV	COUNTY MCHENRY	TOTAL SHEETS 182	SHEET NO. 91
			CONTRACT NO. 61G60	
ILLINOIS FED. AID PROJECT				

TS# 11580
ECON 193

LIGHTING GENERAL NOTES

- THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE LIGHTING SYSTEM. FOR THE LOCATIONS OF THE UTILITIES, CALL JULIE TOLL FREE AT (800) 892-0123.
- BEFORE INSTALLING LIGHT STANDARDS NEAR OVERHEAD AND UNDERGROUND ELECTRIC UTILITIES SHALL CALL COM ED FOR LOCATION APPROVAL AND MINIMUM CLEARANCE REQUIREMENTS.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/ DIRECTION AND MEANS/METHODS OF CONSTRUCTION.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FOLLOWING SPECIFICATIONS, WHICH ARE HEREBY MADE A PART HEREOF:
 - "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AS PREPARED BY IDOT.
 - "THE NATIONAL ELECTRICAL CODE".
 - MUNICIPAL CODES & STANDARDS.
- NO MATERIALS SHALL BE DELIVERED TO THE JOB SITE UNTIL ALL PERTINENT EQUIPMENT SUBMITTALS HAVE BEEN REVIEWED BY THE ENGINEER.
- THE CONTRACTOR SHALL LABEL ALL WIRES WITH WIRE MARKERS INDICATING THE CIRCUIT ID IN EVERY CONTROLLER, POLE BASE, HAND HOLE AND SPLICE/CONNECTION POINT. WIRE MARKERS SHALL BE WHITE NYLON WITH INTEGRAL MECHANICAL FASTENER WITH MINIMUM 3/4" X 1" WRITEABLE AREA.
- ALL UNDERGROUND WIRING SHALL BE XLP TYPE-USE, EXTRA ABRASION RESISTANCE, 600 VOLTS, INSTALLED IN SCH 40 HDPE CONDUIT A MINIMUM 30 INCHES BELOW FINISHED GRADE, FOLLOWING THE ROADWAY OR SIDEWALK EDGE.
- NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, (IF APPLICABLE) AND HAVE BEEN REVIEWED BY THE ENGINEER.
- TO MAINTAIN THE STRUCTURAL INTEGRITY OF LIGHT POLES WITH LUMINAIRE ARMS, THEY SHALL NOT BE ERECTED AND LEFT TO STAND WITHOUT LUMINAIRES.
- THE LIGHT POLE LOCATIONS SHALL COMPLY WITH THE MINIMUM CLEAR WIDTH FOR AN ACCESSIBLE ROUTE FOR SIDEWALKS PER CURRENT AMERICAN WITH DISABILITIES ACT (ADA) REQUIREMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF THE TOP OF FOUNDATION ELEVATION WITH THE FINISHED GRADE.
- EQUIPMENT GROUND CONDUCTORS SHALL BE SPLICED AND BONDED AT EACH LIGHT POLE OR OTHER PIECE OF EQUIPMENT.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES FOR EXAMINATION AND CONFIRMATION WITH THE ENGINEER. ALL UTILITIES SHALL BE LOCATED PRIOR TO MARKING PROPOSED LIGHT POLE LOCATIONS.
- THE ELECTRICAL CONTRACTOR SHALL FURNISH TWO SETS OF FULL SIZE RECORD DRAWINGS TO THE ENGINEER UPON COMPLETION OF THE LIGHTING AND ELECTRICAL IMPROVEMENTS. THE DRAWINGS SHALL SHOW THE INSTALLED LOCATIONS OF ALL LIGHT POLES, UNDERGROUND CONDUITS/WIRING, HANDHOLES, JUNCTION BOXES AND CONTROLLER CABINETS. THE DRAWINGS WILL BE REVIEWED BY THE ENGINEER.
- UPON COMPLETION OF THE PROPOSED LIGHTING IMPROVEMENTS, THE CONTRACTOR SHALL PERFORM ELECTRICAL TESTING AND VERIFY THAT THE INSTALLATION COMPLIES WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS. ALL ELECTRICAL TESTING SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER.
- ALL STEEL SHALL BE FROM DOMESTIC SOURCE.

LIGHTING REMOVAL NOTES

- EXISTING ELECTRICAL CABLE AND CONDUIT ROUTING IS BASED ON INFORMATION RECEIVED FROM THE VILLAGE DURING DESIGN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO BEGINNING ANY WORK. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES AND WAIT FOR WRITTEN DIRECTION PRIOR TO PROCEEDING WITH ANY WORK.
- ALL EXISTING LIGHTING SHALL REMAIN IN OPERATION THROUGHOUT CONSTRUCTION, UNTIL THE PROPOSED LIGHTING IS OPERATIONAL, AND AS DIRECTED BY THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL NOT REMOVE ANY EXISTING LIGHTING UNITS UNTIL INSTRUCTED TO DO SO. ONCE GIVEN THE AUTHORIZATION, THE CONTRACTOR SHALL REMOVE EXISTING LIGHT POLES, FOUNDATIONS AND CABLES.
- AFTER PROPOSED LIGHTING IS INSTALLED AND OPERATIONAL THE CONTRACTOR SHALL DISCONNECT EXISTING LIGHT POLE, REMOVE POLE/LUMINAIRE AND RETURN TO PUBLIC WORKS. REMOVED LUMINAIRES SHALL BE BOXED PRIOR TO TRANSPORTING THEM TO THE PUBLIC WORKS. ANY DAMAGE RESULTING FROM THE REMOVAL AND/OR TRANSPORTATION OF THE LIGHT POLES AND LUMINAIRES SHALL BE REPAIRED OR REPLACED IN KIND AT THE CONTRACTOR'S OWN EXPENSE.
- EXISTING HELIX FOUNDATIONS SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.3 OF IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND EXISTING CONCRETE FOUNDATIONS SHALL BE REMOVED TO THE FULL DEPTH. AFTER THE LIGHT POLE HAS BEEN REMOVED THE CONTRACTOR SHALL REMOVE THE EXISTING CONDUIT TO 2 FT BELOW GRADE AND ABANDON. CONTRACTOR SHALL REMOVE EXISTING CABLE FROM CONDUIT TO BE ABANDONED AND MAY ELECT TO SALVAGE AT NO ADDITIONAL COST TO THE VILLAGE.

LIGHTING BILL OF MATERIALS

DESCRIPTION	UNIT	QUANTITY
TRENCH BACKFILL	CU YD	3
ELECTRIC SERVICE INSTALLATION	EACH	1
ELECTRIC UTILITY SERVICE CONNECTION	LSUM	1
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.	FOOT	310
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2" DIA.	FOOT	5,030
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	60
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	220
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	70
UNDERGROUND CONDUIT, GALVANIZED STEEL, 5" DIA.	FOOT	30
HANDHOLE, COMPOSITE CONCRETE	EACH	3
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	37,500
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	240
LIGHTING CONTROLLER, BASE MOUNTED, 240 VOLT, 100 AMP	EACH	1
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	48
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	31
REMOVAL OF POLE FOUNDATION	EACH	20
REMOVE EXISTING HANDHOLE	EACH	3
REMOVE EXISTING STREET LIGHTING EQUIPMENT	EACH	1
REMOVE EXISTING CABLE	FOOT	1,250
ORNAMENTAL LIGHT UNIT, COMPLETE	EACH	19
CONDUIT SPLICE	EACH	6
LIGHTING UNIT COMPLETE, SPECIAL	EACH	21
LIGHT POLE, SPECIAL	EACH	9
LIGHT POLE FOUNDATION, 24" DIAMETER, SPECIAL	FOOT	300
MODIFY EXISTING LIGHTING CONTROLLER	EACH	1
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	15

* SPECIAL PROVISION

CAUTION NOTE TO CONTRACTOR:

THE CONTRACTOR IS SPECIFICALLY CAUTIONED TO THE LOCATION AND/OR ELEVATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THESE PLANS. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM ENGINEER OF ANY EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS.

THE VILLAGE OF ALGONQUIN WILL OWN AND MAINTAIN THE PROPOSED LIGHTING SYSTEM ALONG HARRISON STREET AND AT THE MAIN STREET ROUNDABOUT.

ABBREVIATIONS

A	AMPS
CKT	CIRCUIT
CNC	COILABLE NON-METALLIC CONDUIT
DIA	DIAMETER
FT	FOOT
FOC	FACE OF CURB
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
HDPE	HIGH DENSITY POLYETHYLENE
HH	HAND HOLE
HPS	HIGH PRESSURE SODIUM
PVC	POLYVINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
SS	STAINLESS STEEL
STA	STATION
V	VOLTS
W	WATTS
WR	WEATHER RESISTANT

LIGHTING LEGEND

	PROPOSED 25' ROADWAY LIGHT POLE WITH 72W LED TEARDROP TYPE ROADWAY LUMINAIRE, ON 8' MAST ARM
	PROPOSED 30' ROADWAY LIGHT POLE WITH 172W LED TEARDROP TYPE ROADWAY LUMINAIRE, ON 8' MAST ARM
	PROPOSED 14' PEDESTRIAN LIGHT POLE WITH 47W LED ACORN TYPE PEDESTRIAN LUMINAIRE
	PROPOSED LIGHTING CONTROLLER
	PROPOSED 11" X 18" X 18" DEEP COMPOSITE CONCRETE HANDHOLE
	PROPOSED ELECTRICAL CABLE IN CONDUIT (SEE CONDUIT AND CONDUCTOR SCHEDULE)
	PROPOSED RGS CONDUIT SLEEVE (SIZE AS INDICATED ON PLANS)
	LIGHT POLE IDENTIFIER
	LIGHTING CIRCUIT IDENTIFIER
	RECEPTACLE CIRCUIT IDENTIFIER
	STATION
	SETBACK FROM FACE OF CURB (FOC) TO CENTER OF POLE
	EXISTING 70W (120V) HPS ACORN TYPE PEDESTRIAN LUMINAIRE
	EXISTING 70W (120V) HPS ACORN TYPE PIER-MOUNTED PEDESTRIAN LUMINAIRE
	EXISTING 150W (120V) HPS GAZEBO LUMINAIRE
	EXISTING HPS COBRA HEAD TYPE ROADWAY LUMINAIRE MOUNTED ON A DAVIT ARM POLE
	EXISTING LED COBRA HEAD TYPE ROADWAY LUMINAIRE MOUNTED ON A DAVIT ARM POLE WITH TWIN HPS ACORN DECORATIVE TYPE PEDESTRIAN LUMINAIRES
	EXISTING TREE GRATE RECEPTACLE
	EXISTING ELECTRICAL CABLE IN CONDUIT
	EXISTING LIGHTING CONTROLLER
	EXISTING HANDHOLE OR JUNCTION BOX

DATE	BY	DATE	BY
DATE	BY	DATE	BY
DATE	BY	DATE	BY

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ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500



DATE	BY	DATE	BY
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DATE	BY	DATE	BY

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING GENERAL NOTES
STAGE 1D - HARRISON STREET AND MAIN STREET
ALGONQUIN, ILLINOIS

SCALE: N.T.S. SHEET 92 OF 182 SHEETS STA. TO STA.

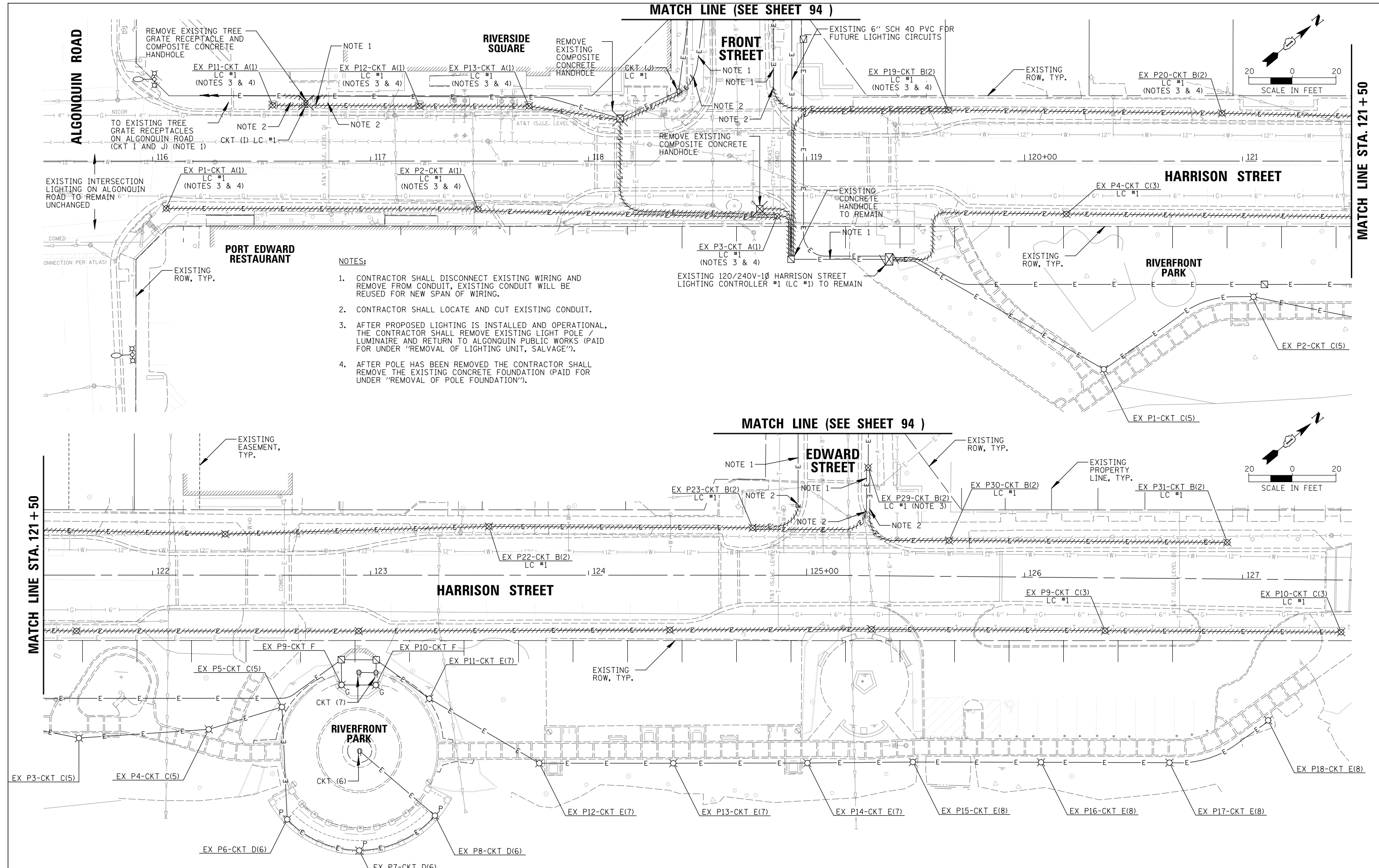
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4560/0145	16-00090-02-PV	MCHENRY	182	92
			CONTRACT NO. 61G60	
ILLINOIS FED. AID PROJECT				

DATE	BY	DATE	BY
DATE	BY	DATE	BY
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 Rosemont, Illinois 60018
 (847) 823-9500

PROFILE
 SURVEYED
 PLOTTED
 GRADES CHECKED
 NOTE BOOK
 STRUCTURE NOTATIONS CHKD

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 USER NAME = mworman
 DESIGNED = AJD
 DRAWN = DRK
 CHECKED = AJD
 DATE = 12/5/2020
 PLOT SCALE = 28'
 PLOT DATE = 12/5/2020



- NOTES:**
1. CONTRACTOR SHALL DISCONNECT EXISTING WIRING AND REMOVE FROM CONDUIT, EXISTING CONDUIT WILL BE REUSED FOR NEW SPAN OF WIRING.
 2. CONTRACTOR SHALL LOCATE AND CUT EXISTING CONDUIT.
 3. AFTER PROPOSED LIGHTING IS INSTALLED AND OPERATIONAL, THE CONTRACTOR SHALL REMOVE EXISTING LIGHT POLE / LUMINAIRE AND RETURN TO ALGONQUIN PUBLIC WORKS (PAID FOR UNDER "REMOVAL OF LIGHTING UNIT, SALVAGE").
 4. AFTER POLE HAS BEEN REMOVED THE CONTRACTOR SHALL REMOVE THE EXISTING CONCRETE FOUNDATION (PAID FOR UNDER "REMOVAL OF POLE FOUNDATION").

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING REMOVAL PLAN (1 OF 2)
STAGE 1D - HARRISON STREET AND MAIN STREET
ALGONQUIN, ILLINOIS
 SCALE: 1"=20' SHEET 93 OF 182 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4560/045	16-00090-02-PV	MCHENRY	182	93
CONTRACT NO. 61G60			ILLINOIS FED. AID PROJECT	

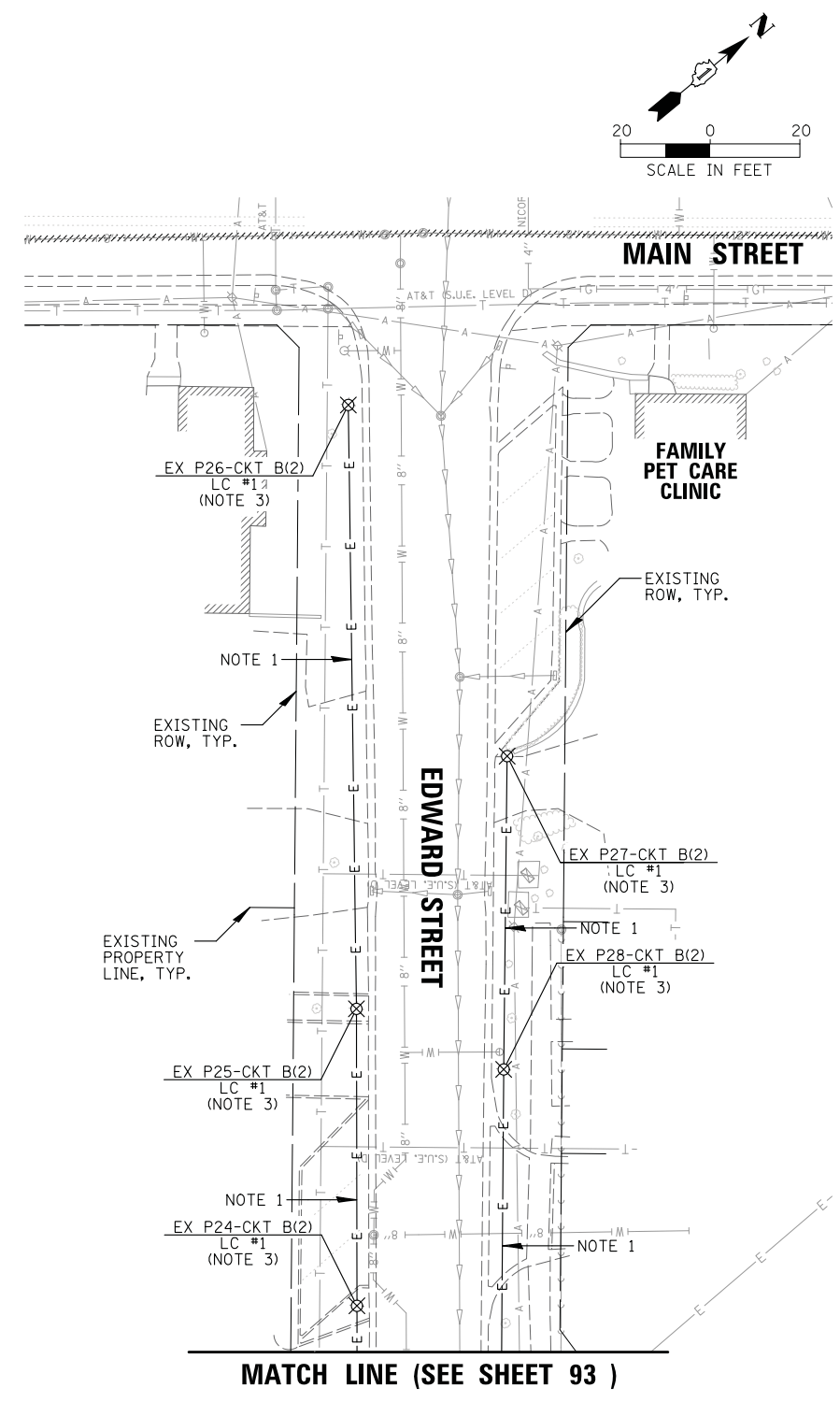
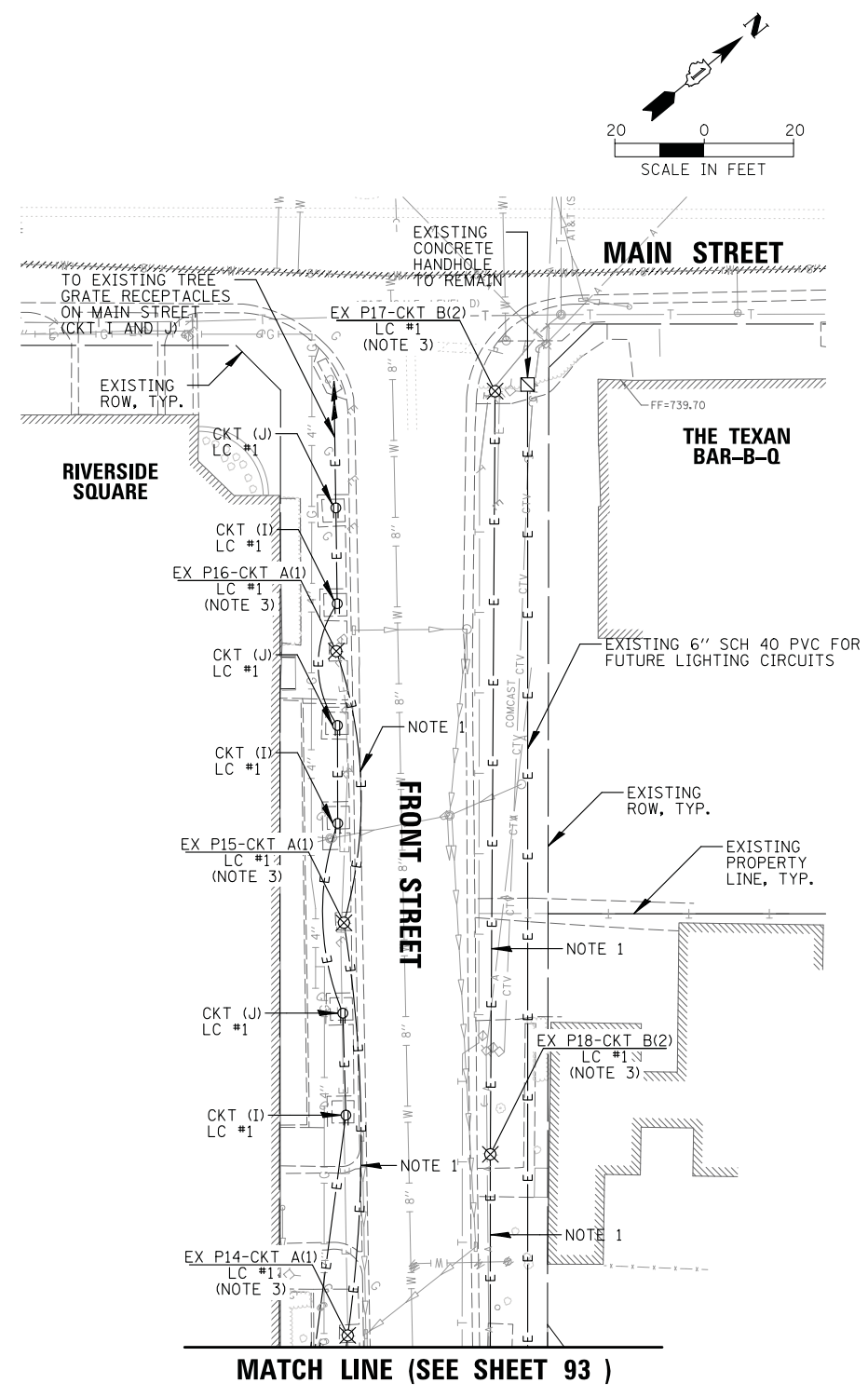
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 Rosemont, Illinois 60018
 (847) 823-9500



DATE	BY	DATE	BY
DATE	BY	DATE	BY
DATE	BY	DATE	BY

PROFILE
 SURVEYED
 PLOTTED
 GRADES CHECKED
 NOTE BOOK
 STRUCTURE NOTATIONS CHKD
 NO.



- NOTES:**
- CONTRACTOR SHALL DISCONNECT EXISTING WIRING AND REMOVE FROM CONDUIT. EXISTING CONDUIT WILL BE REUSED FOR NEW SPAN OF WIRING.
 - CONTRACTOR SHALL LOCATE EXISTING CONDUIT, CUT AND INSTALL UL LISTED COUPLER TO CONNECT TO PROPOSED CONDUIT EXTENSION.
 - AFTER PROPOSED LIGHTING IS INSTALLED AND OPERATIONAL, THE CONTRACTOR SHALL REMOVE EXISTING LIGHT POLE / LUMINAIRE AND RETURN TO ALGONQUIN PUBLIC WORKS (PAID FOR UNDER "REMOVAL OF LIGHTING UNIT, SALVAGE").
 - AFTER POLE HAS BEEN REMOVED THE CONTRACTOR SHALL REMOVE THE EXISTING CONCRETE FOUNDATION (PAID FOR UNDER "REMOVAL OF POLE FOUNDATION").

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		CHECKED	AJD	REVISED	-
Default	PLOT DATE = 12/5/2020	DATE	12/5/2020	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING REMOVAL PLAN (2 OF 2)			
STAGE 1D - HARRISON STREET AND MAIN STREET			
ALGONQUIN, ILLINOIS			
SCALE: 1"=20'	SHEET 94	OF 182 SHEETS	STA. TO STA.

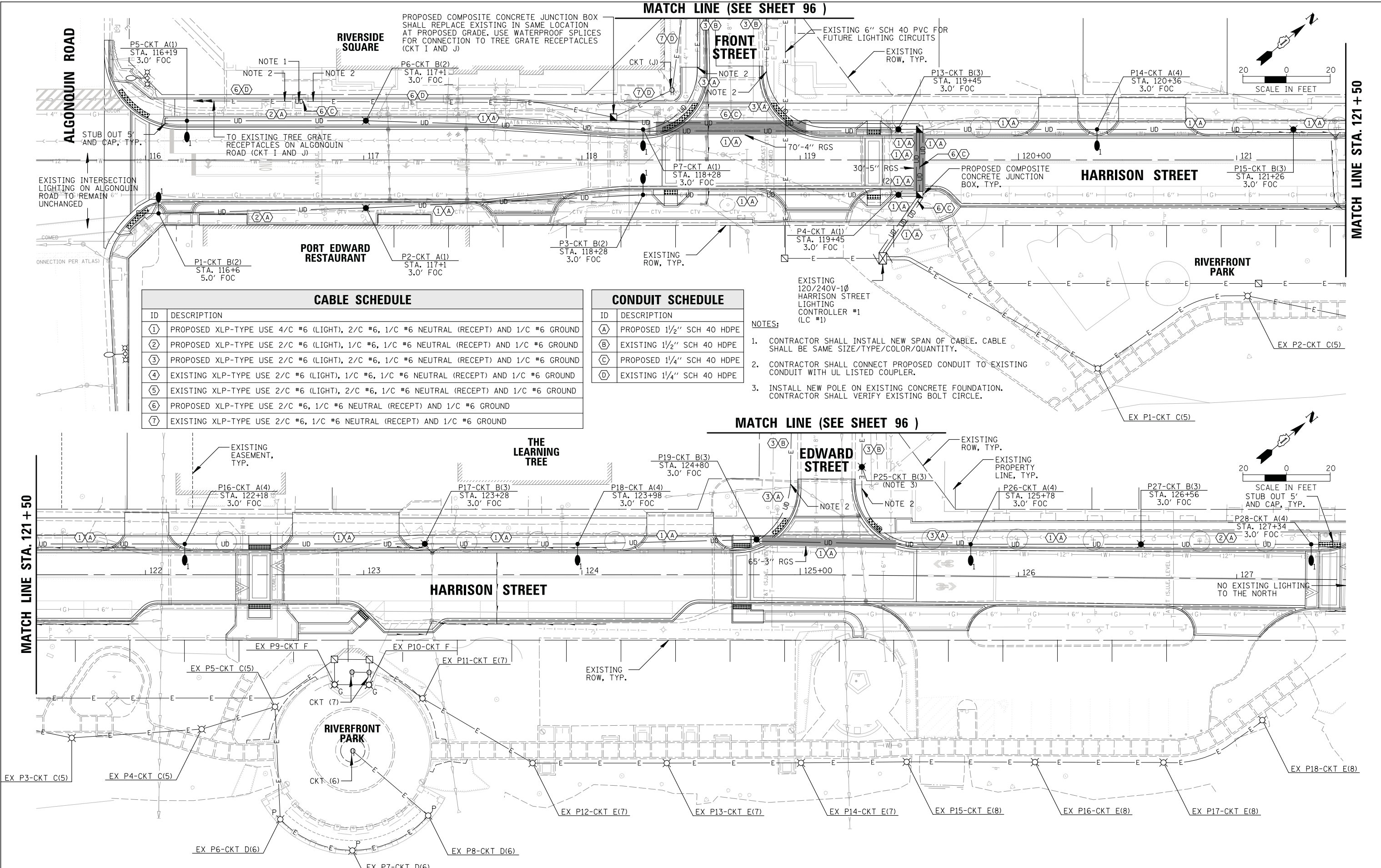
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4560/0145	16-00090-02-PV	MCHENRY	182	94
			CONTRACT NO. 61G60	
ILLINOIS FED. AID PROJECT				

DATE: _____ BY: _____
 SURVEYED: _____ PLOTTED: _____
 GRADES CHECKED: _____
 STRUCTURE NOTATIONS CHKD: _____

PLAN: _____ NOTE BOOK NO. _____
 CHECKED: _____
 FILE NAME: _____

CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-9500

DATE: _____ BY: _____
 SURVEYED: _____ PLOTTED: _____
 GRADES CHECKED: _____
 STRUCTURE NOTATIONS CHKD: _____



CABLE SCHEDULE	
ID	DESCRIPTION
①	PROPOSED XLP-TYPE USE 4/C #6 (LIGHT), 2/C #6, 1/C #6 NEUTRAL (RECEPT) AND 1/C #6 GROUND
②	PROPOSED XLP-TYPE USE 2/C #6 (LIGHT), 1/C #6, 1/C #6 NEUTRAL (RECEPT) AND 1/C #6 GROUND
③	PROPOSED XLP-TYPE USE 2/C #6 (LIGHT), 1/C #6, 1/C #6 NEUTRAL (RECEPT) AND 1/C #6 GROUND
④	EXISTING XLP-TYPE USE 2/C #6 (LIGHT), 1/C #6, 1/C #6 NEUTRAL (RECEPT) AND 1/C #6 GROUND
⑤	EXISTING XLP-TYPE USE 2/C #6 (LIGHT), 2/C #6, 1/C #6 NEUTRAL (RECEPT) AND 1/C #6 GROUND
⑥	PROPOSED XLP-TYPE USE 2/C #6, 1/C #6 NEUTRAL (RECEPT) AND 1/C #6 GROUND
⑦	EXISTING XLP-TYPE USE 2/C #6, 1/C #6 NEUTRAL (RECEPT) AND 1/C #6 GROUND

CONDUIT SCHEDULE	
ID	DESCRIPTION
Ⓐ	PROPOSED 1/2" SCH 40 HDPE
Ⓑ	EXISTING 1/2" SCH 40 HDPE
Ⓒ	PROPOSED 1/4" SCH 40 HDPE
Ⓓ	EXISTING 1/4" SCH 40 HDPE

- NOTES:
- CONTRACTOR SHALL INSTALL NEW SPAN OF CABLE. CABLE SHALL BE SAME SIZE/TYPE/COLOR/QUANTITY.
 - CONTRACTOR SHALL CONNECT PROPOSED CONDUIT TO EXISTING CONDUIT WITH UL LISTED COUPLER.
 - INSTALL NEW POLE ON EXISTING CONCRETE FOUNDATION. CONTRACTOR SHALL VERIFY EXISTING BOLT CIRCLE.

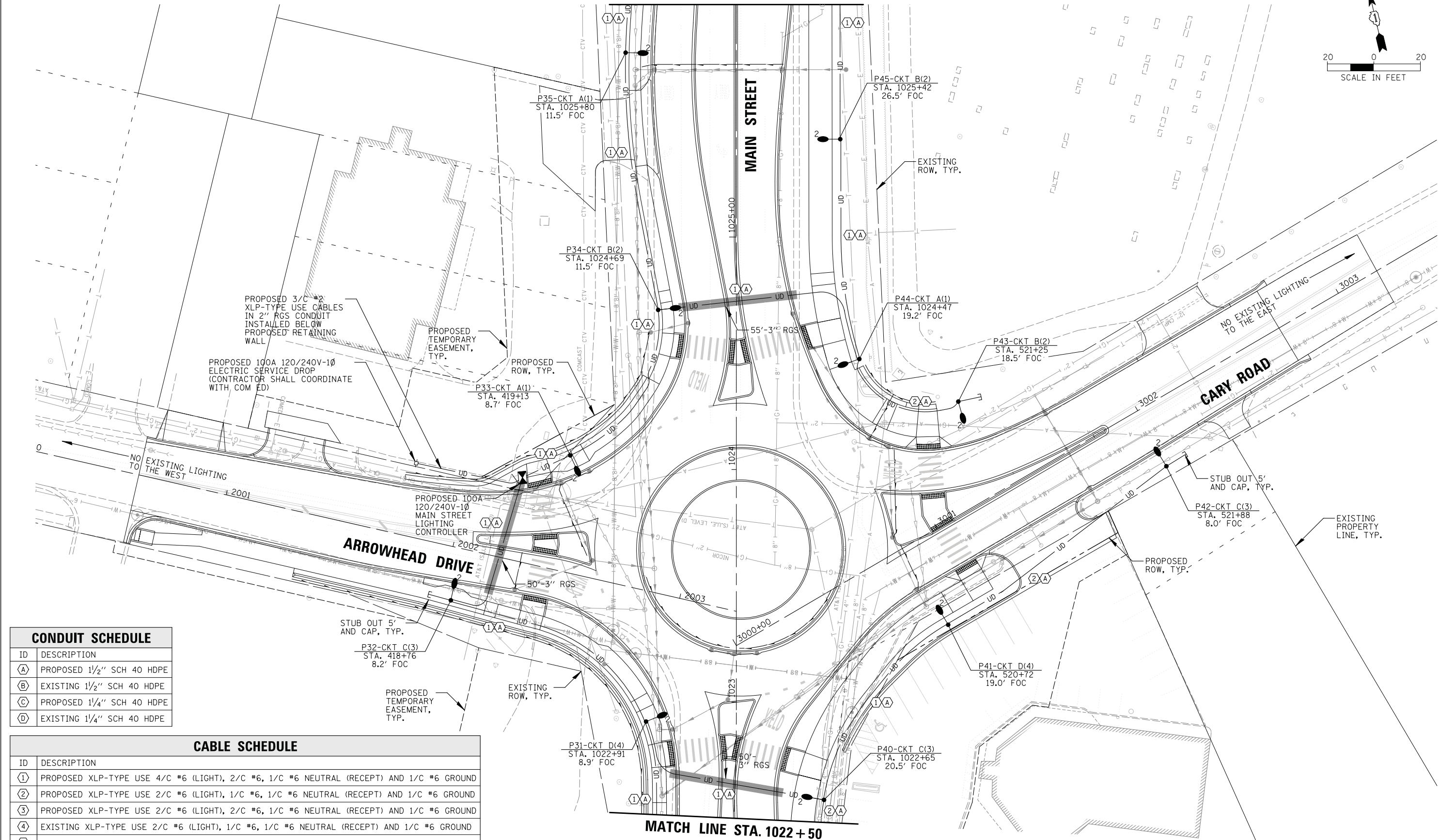
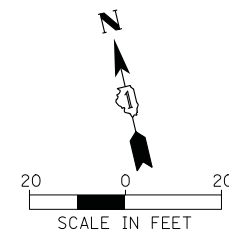
DATE	BY	DATE	BY
DATE	BY	DATE	BY

CHRISTOPHER B. BURKE
 ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-9500

SURVEYED
 GRADES CHECKED
 STRUCTURE NOTATIONS CHKD

PLAN
 NOTE BOOK NO.
 CHECKED AT
 FILE NAME

MATCH LINE STA. 1026 + 00



CONDUIT SCHEDULE

ID	DESCRIPTION
(A)	PROPOSED 1 1/2" SCH 40 HDPE
(B)	EXISTING 1 1/2" SCH 40 HDPE
(C)	PROPOSED 1 1/4" SCH 40 HDPE
(D)	EXISTING 1 1/4" SCH 40 HDPE

CABLE SCHEDULE

ID	DESCRIPTION
(1)	PROPOSED XLP-TYPE USE 4/C #6 (LIGHT), 2/C #6, 1/C #6 NEUTRAL (RECEPT) AND 1/C #6 GROUND
(2)	PROPOSED XLP-TYPE USE 2/C #6 (LIGHT), 1/C #6, 1/C #6 NEUTRAL (RECEPT) AND 1/C #6 GROUND
(3)	PROPOSED XLP-TYPE USE 2/C #6 (LIGHT), 2/C #6, 1/C #6 NEUTRAL (RECEPT) AND 1/C #6 GROUND
(4)	EXISTING XLP-TYPE USE 2/C #6 (LIGHT), 1/C #6, 1/C #6 NEUTRAL (RECEPT) AND 1/C #6 GROUND
(5)	EXISTING XLP-TYPE USE 2/C #6 (LIGHT), 2/C #6, 1/C #6 NEUTRAL (RECEPT) AND 1/C #6 GROUND
(6)	PROPOSED XLP-TYPE USE 2/C #6, 1/C #6 NEUTRAL (RECEPT) AND 1/C #6 GROUND
(7)	EXISTING XLP-TYPE USE 2/C #6, 1/C #6 NEUTRAL (RECEPT) AND 1/C #6 GROUND

MATCH LINE STA. 1022 + 50

FILE NAME =	USER NAME = mworman	DESIGNED	AJD	REVISED	-
N:\ALGONQUIN\070273\070273.00132\Mech\06-LGT_070273.00132.sht		DRAWN	DRK	REVISED	-
Default		CHECKED	AJD	REVISED	-
Default		DATE	12/5/2020	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN (3 OF 4)
STAGE 1D - HARRISON STREET AND MAIN STREET
ALGONQUIN, ILLINOIS
 SCALE: 1"=20' SHEET 97 OF 182 SHEETS STA. TO STA.

MUN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4560/0145	16-00090-02-PV	MCHENRY	182	97
CONTRACT NO. 61G60			ILLINOIS FED. AID PROJECT	

DATE	BY	DATE	BY
DATE	BY	DATE	BY

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 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-9500

PROFILE SURVEYED
 GRADES CHECKED
 STRUCTURE NOTATIONS CHKD

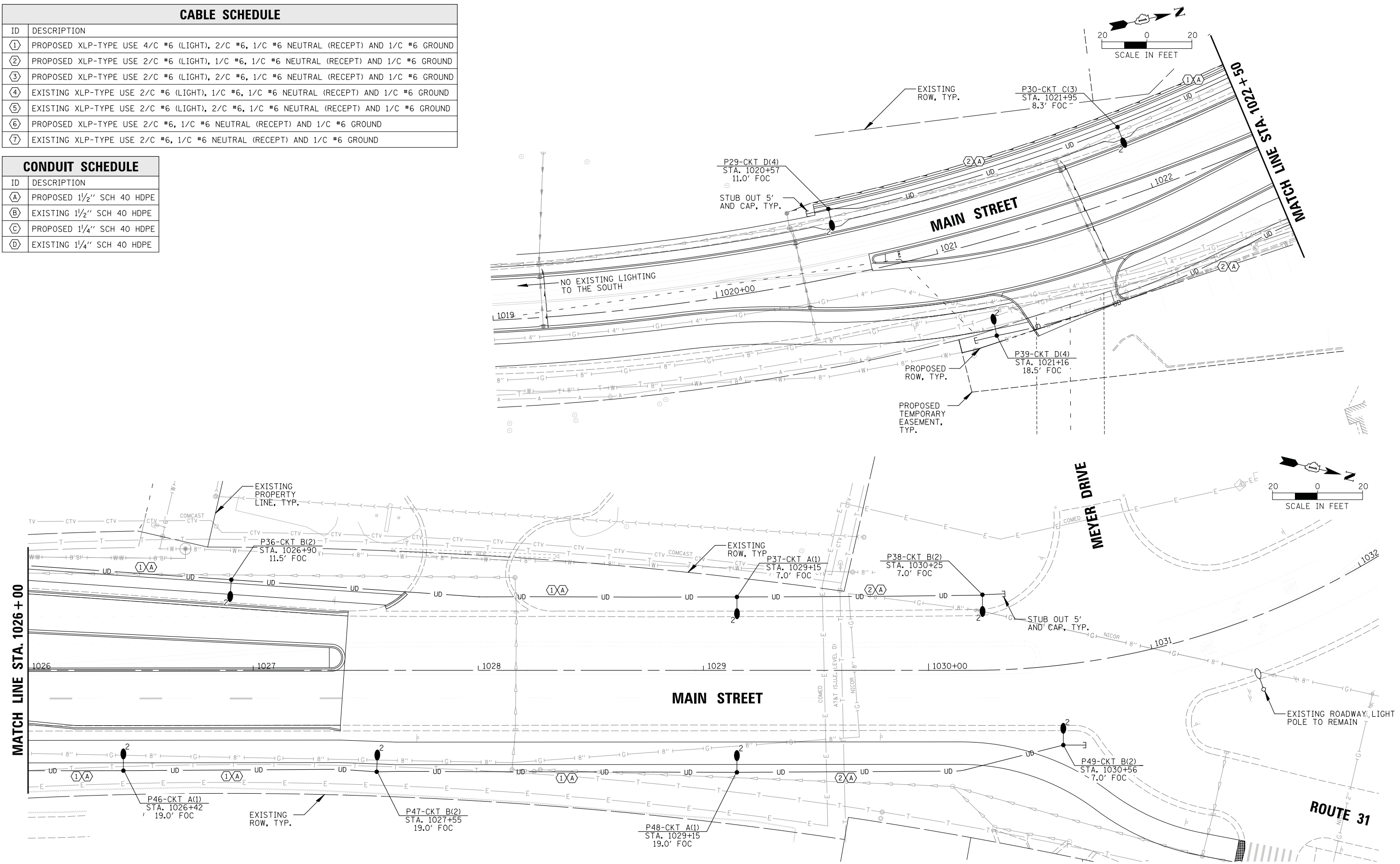
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CABLE SCHEDULE

ID	DESCRIPTION
①	PROPOSED XLP-TYPE USE 4/C #6 (LIGHT), 2/C #6, 1/C #6 NEUTRAL (RECEPT) AND 1/C #6 GROUND
②	PROPOSED XLP-TYPE USE 2/C #6 (LIGHT), 1/C #6, 1/C #6 NEUTRAL (RECEPT) AND 1/C #6 GROUND
③	PROPOSED XLP-TYPE USE 2/C #6 (LIGHT), 2/C #6, 1/C #6 NEUTRAL (RECEPT) AND 1/C #6 GROUND
④	EXISTING XLP-TYPE USE 2/C #6 (LIGHT), 1/C #6, 1/C #6 NEUTRAL (RECEPT) AND 1/C #6 GROUND
⑤	EXISTING XLP-TYPE USE 2/C #6 (LIGHT), 2/C #6, 1/C #6 NEUTRAL (RECEPT) AND 1/C #6 GROUND
⑥	PROPOSED XLP-TYPE USE 2/C #6, 1/C #6 NEUTRAL (RECEPT) AND 1/C #6 GROUND
⑦	EXISTING XLP-TYPE USE 2/C #6, 1/C #6 NEUTRAL (RECEPT) AND 1/C #6 GROUND

CONDUIT SCHEDULE

ID	DESCRIPTION
A	PROPOSED 1 1/2" SCH 40 HDPE
B	EXISTING 1 1/2" SCH 40 HDPE
C	PROPOSED 1 1/4" SCH 40 HDPE
D	EXISTING 1 1/4" SCH 40 HDPE



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN (4 OF 4)
STAGE 1D - HARRISON STREET AND MAIN STREET
ALGONQUIN, ILLINOIS

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4560/0145	16-00090-02-PV	MCHENRY	182	98
CONTRACT NO. 61G60			ILLINOIS FED. AID PROJECT	

SCALE: 1"=20' SHEET 98 OF 182 SHEETS STA. TO STA.

USER NAME = mworman	DESIGNED = AJD	REVISED =
PLOT SCALE = 28'	DRAWN = DRK	REVISED =
PLOT DATE = 12/5/2020	CHECKED = AJD	REVISED =
	DATE = 12/5/2020	REVISED =

DATE: _____ BY: _____
 SURVEYED: _____ PLOTTED: _____
 GRADES CHECKED: _____ NOTATIONS CHECKED: _____
 NOTE BOOK NO.: _____ FILE NAME: _____
 PLAN NO.: _____
 SURVEYED: _____ PLOTTED: _____
 GRADES CHECKED: _____ NOTATIONS CHECKED: _____
 NOTE BOOK NO.: _____ FILE NAME: _____

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 Rosemont, Illinois 60018
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CIRCUIT ID	CIRCUIT BREAKER	180W FESTOON RECEPTACLE		TOTAL CIRCUIT LOAD	
		QTY.	LOAD (WATTS)	(WATTS)	AMPS (VOLTS)
1	20A-2P	5	180 W	900 W	7.5A (120V)
2		5	180 W	900 W	7.5A (120V)
3	20A-2P	9	180 W	1,620 W	13.5A (120V)
4		9	180 W	1,620 W	13.5A (120V)
5	20A-2P	5	180 W	900 W	7.5A (120V)
6		3	180 W	540 W	4.5A (120V)
7	20A-2P	4	180 W	720 W	6.0A (120V)
8		4	180 W	720 W	6.0A (120V)
I	20A-1P	7	180 W	1,260 W	10.5A (120V)
J	20A-1P	8	180 W	1,440 W	12.0A (120V)
TOTAL		59	10,620 W	10,620 W	44.3A (240V)

FESTOON RECEPTACLE LOAD TABLE

N.T.S.

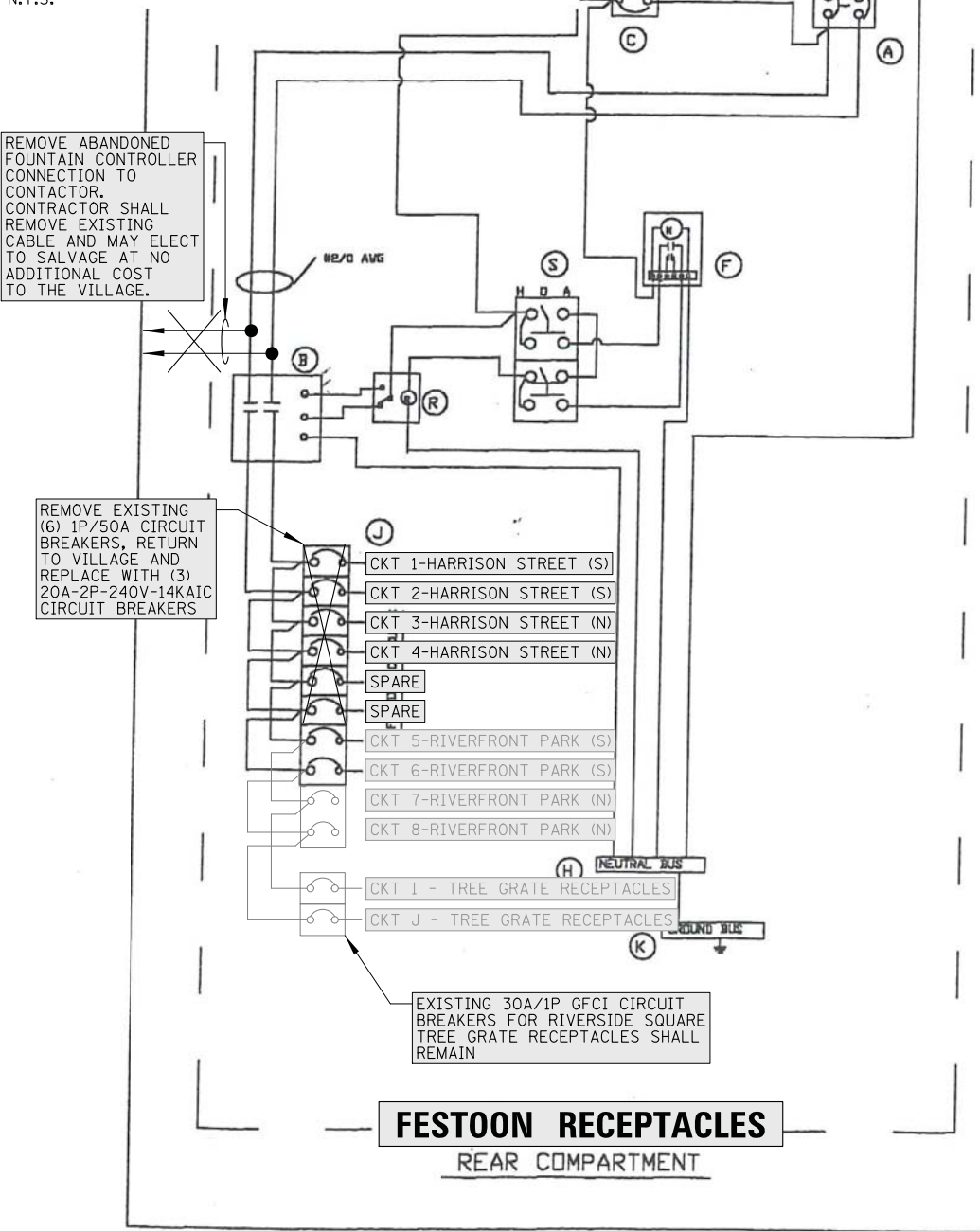
CIRCUIT ID	CIRCUIT BREAKER	72W LED ROADWAY		47W LED PEDESTRIAN		70W HPS PEDESTRIAN		150W HPS GAZEBO		TOTAL CIRCUIT LOAD	
		QTY.	LOAD/POLE (WATTS)	QTY.	LOAD/POLE (WATTS)	QTY.	LOAD/POLE (WATTS)	QTY.	LOAD/POLE (WATTS)	(WATTS)	AMPS (VOLTS)
A	20A-2P	7	72 W	7	47 W	-	-	-	-	833 W	3.5A (240V)
B	20A-2P	2	72 W	12	47 W	-	-	-	-	708 W	3.0A (240V)
C	20A-1P	-	-	-	-	5	70 W	-	-	350 W	2.9A (120V)
D	20A-1P	-	-	-	-	3	70 W	-	-	210 W	1.8A (120V)
E	20A-1P	-	-	-	-	8	70 W	-	-	560 W	4.7A (120V)
F	20A-1P	-	-	-	-	-	-	2	150 W	300 W	2.5A (120V)
TOTAL		9	648 W	21	893 W	16	1,120 W	2	300 W	2,961 W	12.4A (240V)

STREET LIGHTING LOAD TABLE

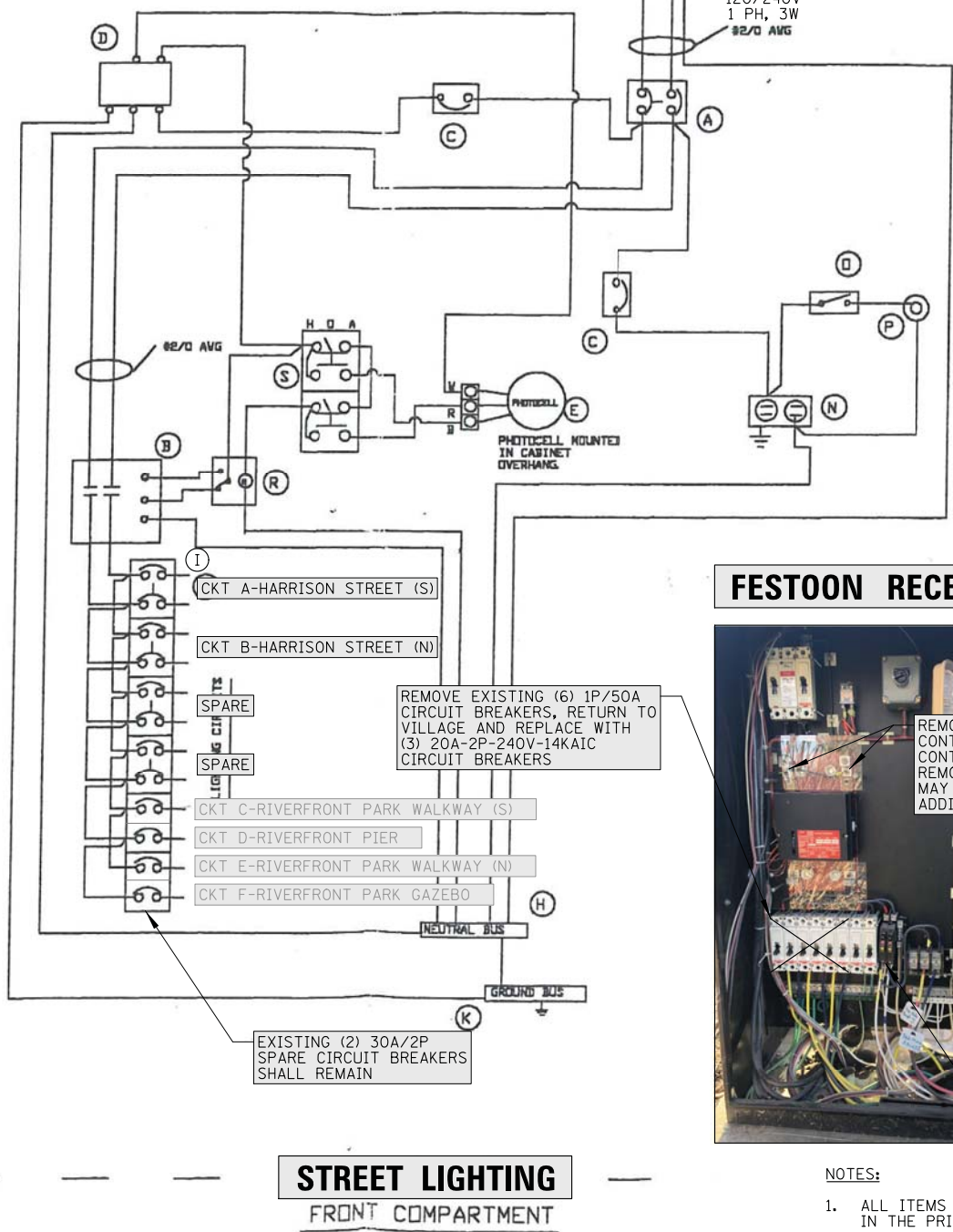
N.T.S.

BILL OF MATERIALS

ITEM	QTY	DESCRIPTION
A	2	MAIN BREAKER 2P/200A C/H FD2200
B	2	CONTACTOR 2P/200A SQ. D8903P3V10V38
C	3	BREAKER 1P/15A C/H EHD1015
D	1	SURGE ARRESTOR EDCO SHA 2403
E	1	PHOTOCELL FISHER PIERCE FA105M
F	1	ASTRONOMICAL TIME CLOCK TORK 7120ZL
G	1	RESERVED
H	2	NEUTRAL BUS
I	6	BREAKER 2P/30A C/H EHD2030
J	8	BREAKER 1P/50A C/H EHD1050
K	2	GROUND BUS
N	1	GFCI RECEPTACLE 20A LEVITON 6899
O	1	DOOR SWITCH DMRON A20GQ7BK
P	1	LIGHT FIXTURE LEVITON 29816C
R	2	RELAY MAGNECRAFT W389ACX-9
S	2	H-O-A SWITCH SQ. D 9001 KYK-111



FESTOON RECEPTACLES
REAR COMPARTMENT



STREET LIGHTING
FRONT COMPARTMENT

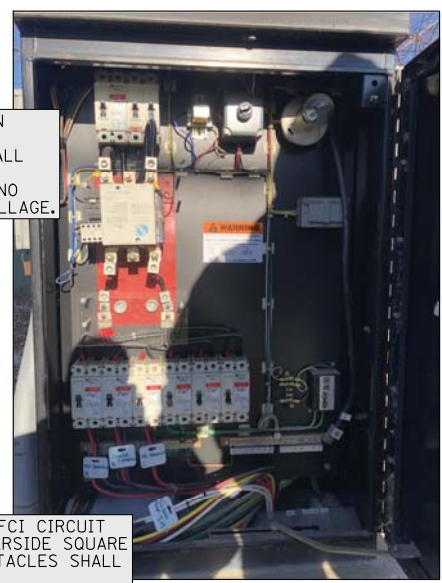
EXISTING HARRISON STREET LIGHTING CONTROLLER (LC #1)

N.T.S.

FESTOON RECEPTACLES



STREET LIGHTING



NOTES:

- 1. ALL ITEMS AS SHOWN IN THIS DRAWING SHALL BE CONSIDERED INCLUDED IN THE PRICE BID FOR "MODIFY EXISTING LIGHTING CONTROLLER".

MODIFY EXISTING LIGHTING CONTROLLER DETAIL

N.T.S.

FILE NAME = N:\ALGONQUIN\070273\070273.00132\Mech\09-LDT_070273.00132.sht	USER NAME = mworman	DESIGNED = AJD	REVISED = -
Default	Default	DRAWN = DRK	REVISED = -
Default	Default	CHECKED = AJD	REVISED = -
Default	Default	DATE = 12/5/2020	REVISED = -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS (2 OF 8)			
STAGE 1D - HARRISON STREET AND MAIN STREET			
ALGONQUIN, ILLINOIS			
SCALE: N.T.S.	SHEET 100	OF 182 SHEETS	STA. TO STA.

MUN. RTE. 4560/0145	SECTION 16-00090-02-PV	COUNTY MCHENRY	TOTAL SHEETS 182	SHEET NO. 100
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G60	