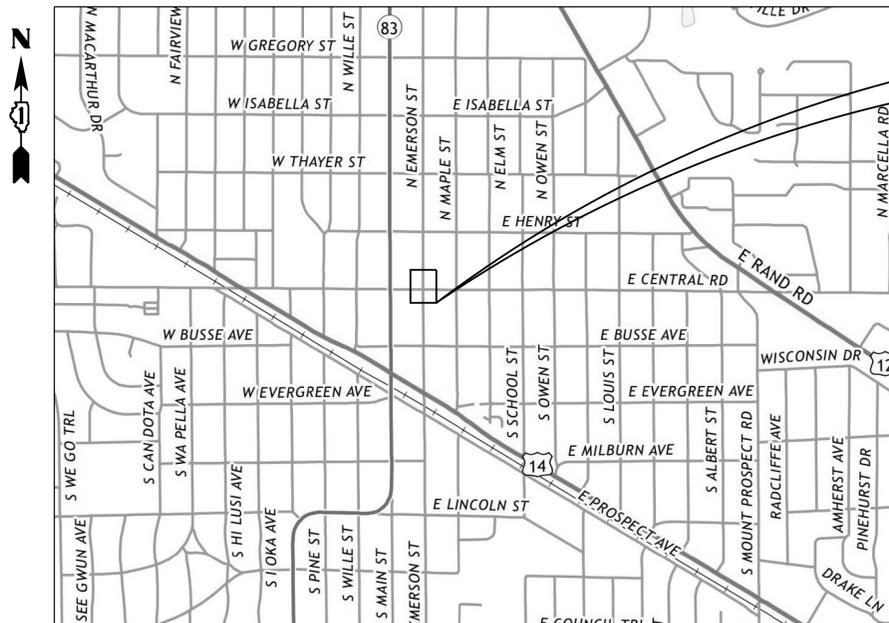


# CENTRAL ROAD AND EMERSON STREET PEDESTRIAN CROSSING AND INTERSECTION IMPROVEMENTS VILLAGE OF MOUNT PROSPECT, ILLINOIS

## STANDARD SYMBOLS

FEATURE	EXISTING	PROPOSED
BUFFALO BOX		
BUSH/SHRUB		
CATCH BASIN		
CLEANOUT		
COMBINE SEWER LINE		
CONTOUR		
CULVERT		
DITCH/SWALE		
ELECTRIC LINE		
ELECTRIC MANHOLE		
FENCE		
FIRE HYDRANT		
FLARED END SECTION		
GAS LINE		
GAS MANHOLE		
GAS VALVE		
INLET		
LIGHT POLE		
OVERHEAD WIRES		
POWER POLE		
R.O.W LINE		
R.O.W MARKER		
SANITARY FORCEMAIN LINE		
SANITARY SEWER LINE		
SANITARY SEWER MANHOLE		
SIGN		
SPOT ELEVATION		
STORM SEWER LINE		
STORM SEWER MANHOLE		
TELEPHONE LINE		
TELEPHONE MANHOLE		
TELEPHONE BOX/PEDESTAL		
TREE-CONIFEROUS (SIZE/TAG#)		
TREE-DECIDUOUS (SIZE/TAG#)		
VALVE BOX		
VALVE VAULT		
WATER VALVE		
WATERMAIN LINE		

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



PROJECT LOCATION  
CENTRAL ROAD AND EMERSON STREET  
MOUNT PROSPECT, ILLINOIS

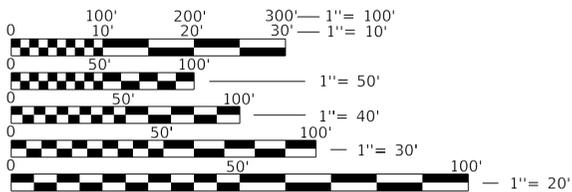
TOPOGRAPHIC SURVEY BY:  
GEWALT HAMILTON ASSOCIATES, INC.  
625 FOREST EDGE DRIVE  
VERNON HILLS, ILLINOIS 60061  
TELEPHONE: 847-478-9700

PLANS PREPARED FOR:  
VILLAGE OF MOUNT PROSPECT  
VILLAGE HALL  
50 S. EMERSON STREET  
MOUNT PROSPECT, ILLINOIS 60056  
TELEPHONE: 847-870-5640

COORDINATING/PERMITTING AGENCIES:  
VILLAGE OF MOUNT PROSPECT: 847-870-5640  
ILLINOIS DEPARTMENT OF TRANSPORTATION: 847-705-4000



SIGNED: Michael J. Vasak P.E.  
MICHAEL J. VASAK  
DATE: 12/20/2019  
ILLINOIS LICENSE NO.: 062-064621  
EXPIRATION DATE: NOVEMBER 30, 2021



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.

NOTE: CONSTRUCTION MEANS, METHODS AND JOB SITE SAFETY IS THE SOLE AND EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR

**J.U.L.I.E.**  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION CALL 811  
  
Know what's below.  
Call before you dig.

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
625 Forest Edge Drive ■ Vernon Hills, IL 60061  
TEL 847.478.9700 ■ FAX 847.478.9701

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**TITLE SHEET**  
**CENTRAL ROAD AND EMERSON STREET  
PEDESTRIAN CROSSING AND INTERSECTION IMPROVEMENTS  
VILLAGE OF MOUNT PROSPECT, ILLINOIS**

NO.	BY	DATE	REVISION	NO.	BY	DATE	REVISION

FILE: 5396-200-001-cover.dgn	SHEET NUMBER: <b>1</b>
DRAWN BY: MJV DATE: 12.20.19	GHA PROJECT # 5396.2
CHECKED BY: KLB DATE: 12.20.19	SCALE: N.T.S.
	OF 21 SHEETS

**INDEX OF SHEETS**

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- 2 INDEX OF SHEETS, GENERAL NOTES, HIGHWAY STANDARDS
- 3 SUMMARY OF QUANTITIES
- 4 TYPICAL SECTIONS
- 5 EXISTING CONDITIONS AND REMOVAL PLAN
- 6 PROPOSED PLAN
- 7 PAVEMENT MARKING AND SIGN PLAN
- 8 PROPOSED PEDESTRIAN CROSSWALK SIGN
- 9 ELECTRICAL DETAILS
- 10 A.D.A. GRADING DETAILS
- 11 INTERSECTION AND A.D.A. GRADING DETAILS
- 12-18 IDOT HIGHWAY STANDARDS
- 19-21 DISTRICT ONE DETAILS

**GENERAL NOTES**

1. ALL CONSTRUCTION SHALL BE PERFORMED ACCORDING TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" LATEST EDITION, THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" LATEST EDITION, THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" LATEST EDITION, THE DETAILS IN THESE PLANS, THE CONTRACT DOCUMENTS, ALL APPLICABLE REQUIREMENTS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, THE IEPA AND ORDINANCES OF AUTHORITIES HAVING JURISDICTION AND ALL ADDENDA THERETO.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION IN THE FIELD OF ALL UTILITY LINES AND THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.

3. WHENEVER, DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, DITCHES, ETC. SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL WILL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT. THE CONTRACTOR'S FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE ANY POSSIBLE ADDED COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIALS CREATED AS A RESULT THEREOF.

4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE PRIOR TO ORDERING MATERIALS. IN ADDITION, THE CONTRACTOR MUST VERIFY THE LINE AND GRADES. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTION FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSION OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTION, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS/HER OWN RISK AND EXPENSE AND NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR ANY COSTS INCURRED.

5. ALL PAVEMENT DIMENSIONS ARE SHOWN TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

6. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE THE MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

7. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 72 HOURS PRIOR TO BEGINNING WORK.

8. IF DURING CONSTRUCTION THE CONTRACTOR ENCOUNTERS OR OTHERWISE BECOMES AWARE OF ANY SEWERS OR UNDERDRAINS OTHER THAN THOSE SHOWN ON THE PLANS, HE/SHE SHALL INFORM THE ENGINEER, WHO SHALL DIRECT THE WORK NECESSARY TO MAINTAIN OR REPLACE THE FACILITIES IN SERVICE AND TO PROTECT THEM FROM DAMAGE DURING CONSTRUCTION IF MAINTAINED. EXISTING FACILITIES TO BE MAINTAINED THAT ARE DAMAGED BECAUSE OF NON-COMPLIANCE WITH THIS PROVISION SHALL BE REPLACED AT THE CONTRACTOR'S OWN EXPENSE.

9. THE CONTRACTOR SHALL PROVIDE TEMPORARY TOILET FACILITIES AND HAND SANITIZING STATIONS FOR THE USE OF ALL THE CONTRACTORS PERSONNEL EMPLOYED ON THE WORK SITE. THE FACILITIES SHALL BE MAINTAINED IN PROPER SANITARY CONDITION THROUGHOUT THE PROJECT. THE LOCATION OF THE TEMPORARY FACILITIES SHALL BE APPROVED BY THE ENGINEER.

10. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE NPDES PERMIT AND SWPPP MANUAL. IF NO NPDES PERMIT OR SWPPP MANUAL IS NEEDED FOR THE PROJECT THE CONTRACTOR SHALL PERFORM SOIL EROSION SEDIMENT CONTROL BEST PRACTICES OR AS DIRECTED BY THE OWNER TO PREVENT ILLICIT DISCHARGES FROM THE SITE.

11. PROPOSED IMPROVEMENTS IN THIS PLAN SET ARE TYING INTO THE PROPOSED CONSTRUCTION SHOW IN IDOT CONTRACT NO. 62D20, WHICH HAS RECENTLY BEEN CONSTRUCTED.

12. VILLAGE OF MOUNT PROSPECT - FORESTRY DIVISION STAFF SHALL INSPECT ALL EXISTING TREES WITHIN THE PROJECT AREA AT THE COMPLETION OF CONSTRUCTION, TO ENSURE THAT THESE TREES COMPLY WITH ALL APPLICABLE REQUIREMENTS OUTLINED IN THE IDOT BUREAU OF OPERATIONS MAINTENANCE POLICY MANUAL. IF ANY TREE TRIMMING IS REQUIRED, IT SHALL BE PERFORMED UNDER THE SUPERVISION OF THE VILLAGE'S LICENSED ARBORIST.

**HIGHWAY STANDARDS**

- 424001-10 PERPENDICULAR CURB RAMPS FOR SIDEWALKS
- 424031-02 MEDIAN PEDESTRIAN CROSSINGS
- 606001-07 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 606301-04 PC CONCRETE ISLANDS AND MEDIANS
- 701101-05 OFF-RD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
- 701427-05 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS < 40 MPH
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701606-10 URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
- 701701-10 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801-06 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-08 TRAFFIC CONTROL DEVICES
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 720006-04 SIGN PANEL ERECTION DETAILS
- 731001-01 BASE FOR TELESCOPING STEEL SIGN SUPPORT
- 728001-01 TELESCOPING STEEL SIGN SUPPORT
- 873001-02 TRAFFIC SIGNAL GROUNDING & BONDING
- 877001-08 STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
- 878001-10 CONCRETE FOUNDATION DETAILS

**DISTRICT 1 STANDARDS**

- TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDEROADS, INTERSECTIONS, AND DRIVEWAYS
- TC-11 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
- TC-13 TYPICAL PAVEMENT MARKINGS

BENCHMARK:  
 BENCHMARK:  
 ELEVATIONS SHOWN HEREON ARE OBTAINED VIA GPS USING TRIMBLE VRS<sup>®</sup>NOW<sup>™</sup> (NO PUBLISHED MONUMENT VERIFIED)  
 DATUM: NAVD88

CONTROL POINTS:				
Point #	Northing	Easting	Elevation	Description
10	1967161.63	1092285.62	664.01	CP10-MAG
11	1966893.48	1092326.67	666.30	CP11-XTC
12	1967319.17	1092312.30	663.30	CP12-XTC



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 TEL 847.478.9700 ■ FAX 847.478.9701

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**INDEX OF SHEETS, GENERAL NOTES, HIGHWAY STANDARDS**  
  
**CENTRAL ROAD AND EMERSON STREET  
 PEDESTRIAN CROSSING AND INTERSECTION IMPROVEMENTS  
 VILLAGE OF MOUNT PROSPECT, ILLINOIS**

NO.	BY	DATE	REVISION	NO.	BY	DATE	REVISION

FILE: 5396-200-ah1-gennote.dgn	SHEET NUMBER:
DRAWN BY: MJV DATE: 01.23.2020	GHA PROJECT # 5396.2
CHECKED BY: KLB DATE: 01.23.2020	SCALE: N.T.S.
	OF 21 SHEETS

**2**

**SUMMARY OF QUANTITIES**

SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
	20200100	EARTH EXCAVATION	CU YD	19
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	5
*	25200110	SODDING, SALT TOLERANT	SQ YD	5
	31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	216
	35101600	AGGREGATE BASE COURSE, TYPE B, 4"	SQ YD	128
	35101800	AGGREGATE BASE COURSE, TYPE B, 6"	SQ YD	127
	35400500	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"	SQ YD	34
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	37
SP	40600735	POLYMERIZED LEVELING BINDER (HAND METHOD), N70	TON	3
SP	40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	10
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	192
	42400800	DETECTABLE WARNINGS	SQ FT	48
	44000100	PAVEMENT REMOVAL	SQ YD	102
	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	45
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	169
	44000600	SIDEWALK REMOVAL	SQ FT	87
	44201765	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	10
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	149
	60609200	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12	FOOT	197
	60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	960
	60622800	CONCRETE MEDIAN, TYPE SM-6.12	SQ FT	93
	67100100	MOBILIZATION	LSUM	1
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1
	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	LSUM	1
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1
SP	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	863
	70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	203
	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	404
	70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	15

\* SPECIALTY ITEM    SP - SPECIAL PROVISION

**SUMMARY OF QUANTITIES**

SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
	70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	56
	70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	416
	70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	32
*	72000100	SIGN PANEL - TYPE 1	SQ FT	126
*	72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	55
*	72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	3
*	72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	12
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	203
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	404
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	15
*	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	56
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	416
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	32
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	8
* SP	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	165
* SP	81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	870
* SP	85100600	PAINT NEW MAST ARM AND POLE, UNDER 40 FOOT	EACH	2
* SP	87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	2
* SP	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	27
SP	X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1
* SP	X0327018	DECORATIVE SIGN POST	EACH	6
SP	X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	364
SP	X1700021	BRICK PAVER REMOVAL AND REINSTALLATION, SPECIAL	SQ FT	1,135
SP	X4240800	DETECTABLE WARNINGS (SPECIAL)	SQ FT	65
* SP	X7800100	PAINT PAVEMENT MARKING - RAISED MEDIAN	SQ FT	69
* SP	X8910050	ILLUMINATED SIGN, SPECIAL	EACH	2
* SP	X8950130	MODIFY EXISTING LIGHTING CONTROLLER	EACH	1
SP	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52
* SP	Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	3
* SP		IMPRINT MEDIAN SURFACE, 1"	SQ FT	960

\* SPECIALTY ITEM    SP - SPECIAL PROVISION



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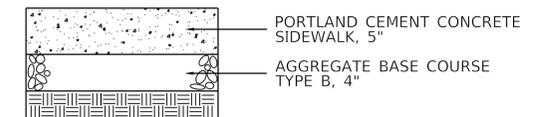
**SUMMARY OF QUANTITIES**  
**CENTRAL ROAD AND EMERSON STREET**  
**PEDESTRIAN CROSSING AND INTERSECTION IMPROVEMENTS**  
**VILLAGE OF MOUNT PROSPECT, ILLINOIS**

FILE: 5396-200-011-500.dgn	SHEET NUMBER: <b>3</b>
DRAWN BY: MJV DATE: 03.11.2020	GHA PROJECT # 5396.2
CHECKED BY: KLB DATE: 03.11.2020	SCALE: N.T.S.
NO. BY DATE REVISION	NO. BY DATE REVISION
	OF 21 SHEETS

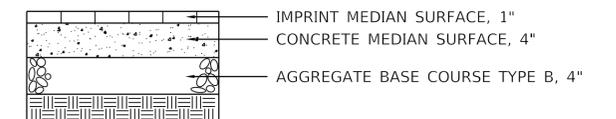
**LEGEND**

- ① EXISTING PAVEMENT
- ② EXISTING COMBINATION CURB AND GUTTER
- ③ EXISTING BRICK PAVER SIDEWALK
- ④ HMA PAVEMENT REMOVAL (13")
- ⑤ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12  
COMBINATION CONCRETE CURB & GUTTER, TYPE M-6.12 (MEDIANS)
- ⑥ CONCRETE MEDIAN SURFACE, 4"  
IMPRINT MEDIAN SURFACE, 1"  
AGGREGATE BASE COURSE TYPE B, 4"
- ⑦ BRICK PAVER REMOVAL AND REINSTALLATION, SPECIAL
- ⑧ AGGREGATE BASE COURSE, TYPE B, 6"
- ⑨ HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ⑩ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70
- ⑪ STEEL MAST ARM ASSEMBLY AND POLE, 36 FT  
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER
- <sup>R</sup> ITEM TO BE REMOVED

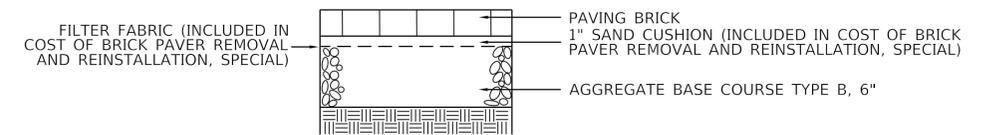
**PCC SIDEWALK DETAIL**



**PCC MEDIAN PAVEMENT DETAIL**



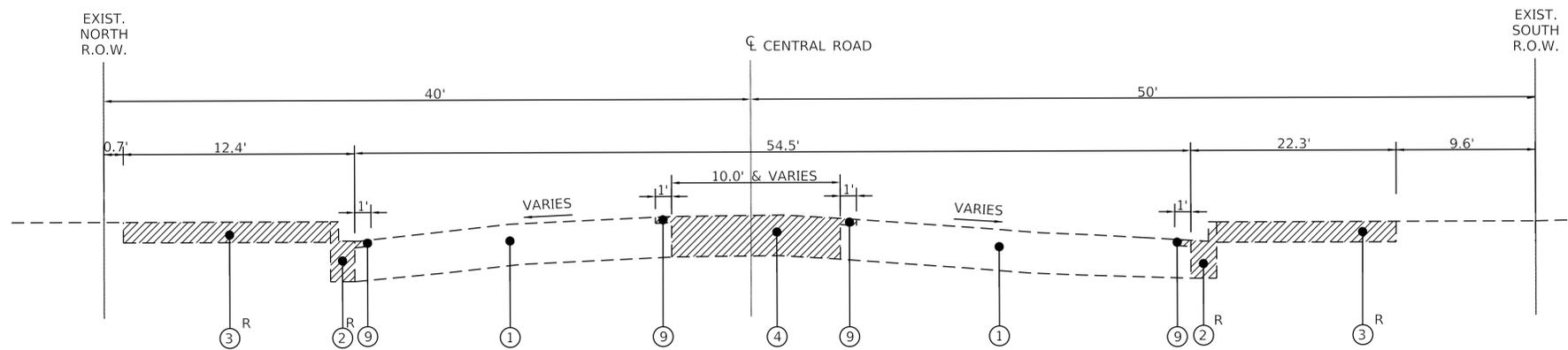
**PAVING BRICK SIDEWALK DETAIL**



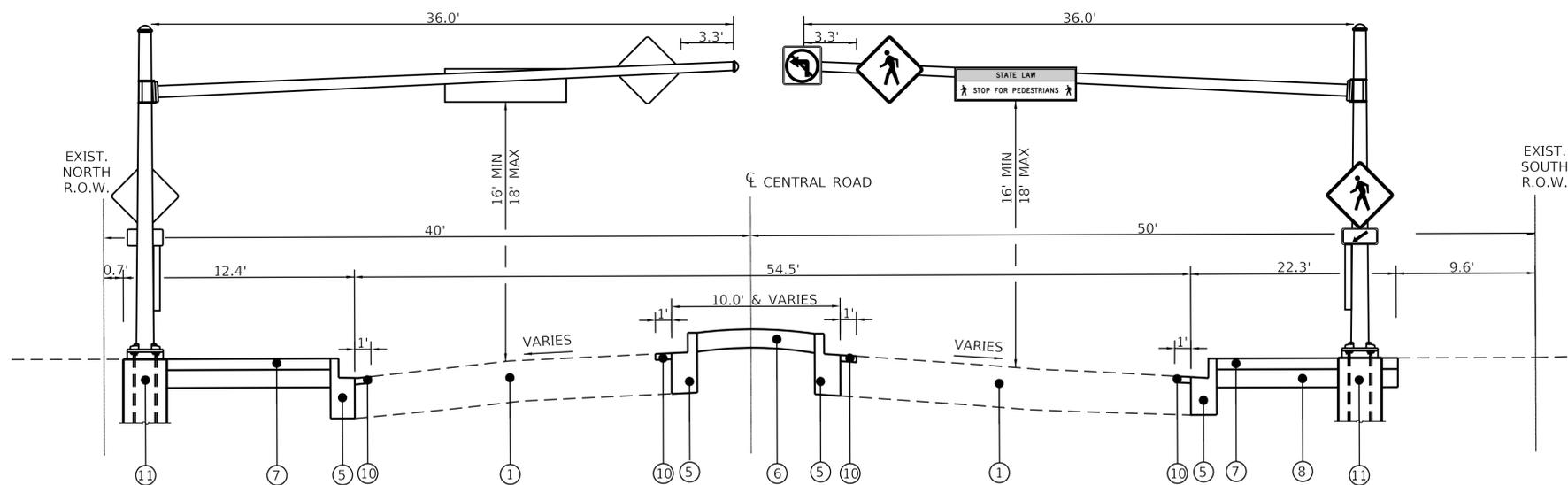
**HOT-MIX ASPHALT MIXTURE TABLE**

	MIX TYPE	PERCENT AIR Voids @Ndes
PAVEMENT WIDENING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (2")	IL 9.5mm	4% @ 70 Gyr
POLYMERIZED LEVELING BINDER (HAND METHOD), N70 (1")	IL 4.75mm	3.5% @ 70 Gyr
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (2")	IL 9.5mm	4% @ 70 Gyr
PAVEMENT PATCHING (AS-NEEDED UTILITY LOCATION FOR LIGHTING CONDUIT)		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (2")	IL 9.5mm	4% @ 70 Gyr
POLYMERIZED LEVELING BINDER (HAND METHOD), N70 (1")	IL 4.75mm	3.5% @ 70 Gyr
CLASS D PATCHES (HMA BINDER) (10")	IL 19mm	4% @ 70 Gyr

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 Lbs/SqYd/in  
THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.  
FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.



**EXISTING TYPICAL SECTION**



**PROPOSED TYPICAL SECTION**

**TYPICAL SECTIONS**

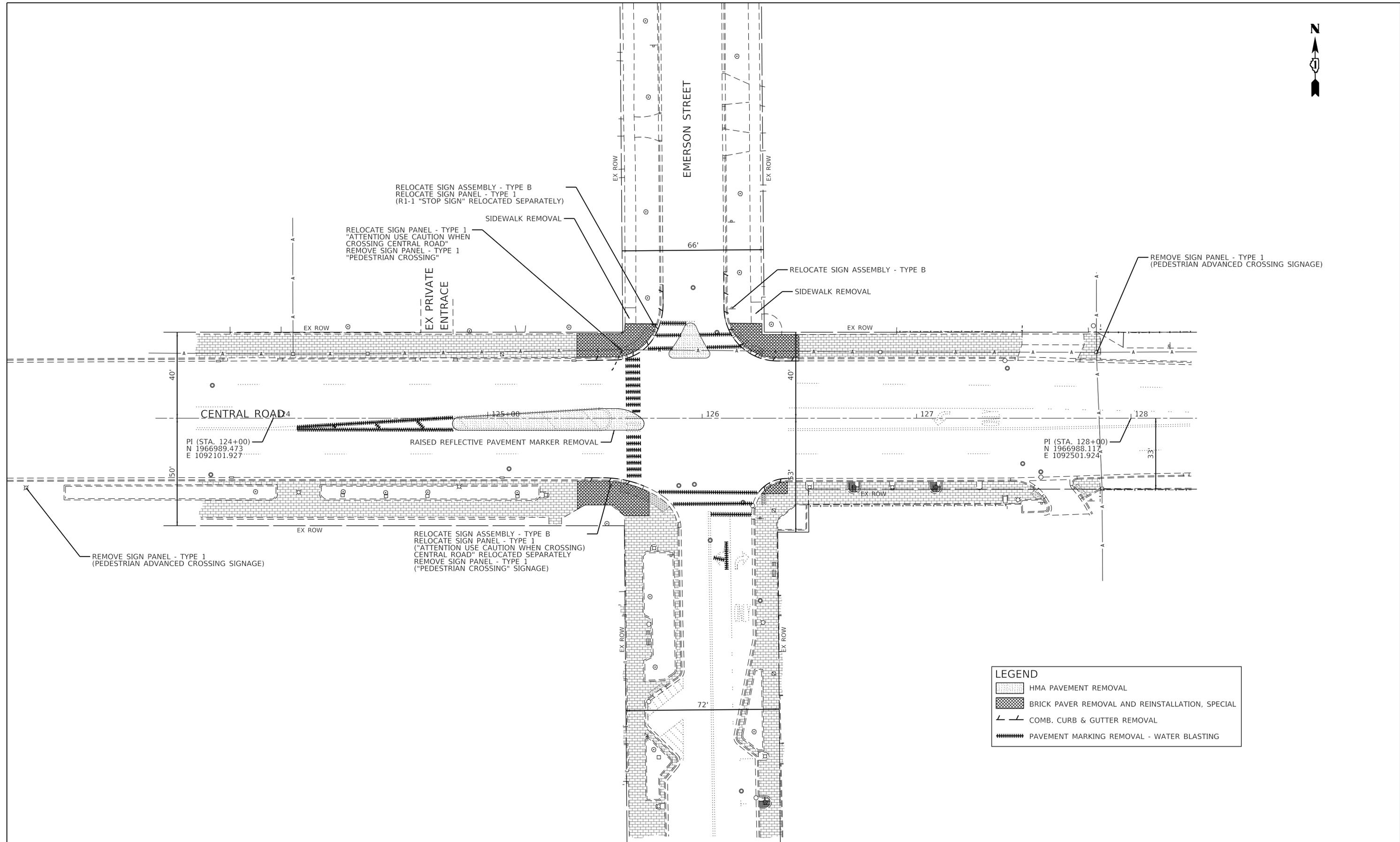
**CENTRAL ROAD AND EMERSON STREET  
PEDESTRIAN CROSSING AND INTERSECTION IMPROVEMENTS  
VILLAGE OF MOUNT PROSPECT, ILLINOIS**

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
625 Forest Edge Drive ■ Vernon Hills, IL 60061  
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NO.	BY	DATE	REVISION	NO.	BY	DATE	REVISION

FILE: 5396-200-01-11plc04.dgn	SHEET NUMBER: <b>4</b>
DRAWN BY: MJV DATE: 12.20.19	GHA PROJECT # 5396.2
CHECKED BY: KLB DATE: 12.20.19	SCALE: N.T.S.
	OF 21 SHEETS



LEGEND	
	HMA PAVEMENT REMOVAL
	BRICK PAVER REMOVAL AND REINSTALLATION, SPECIAL
	COMB. CURB & GUTTER REMOVAL
	PAVEMENT MARKING REMOVAL - WATER BLASTING

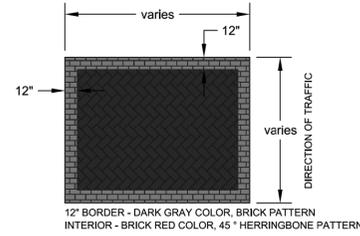
**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
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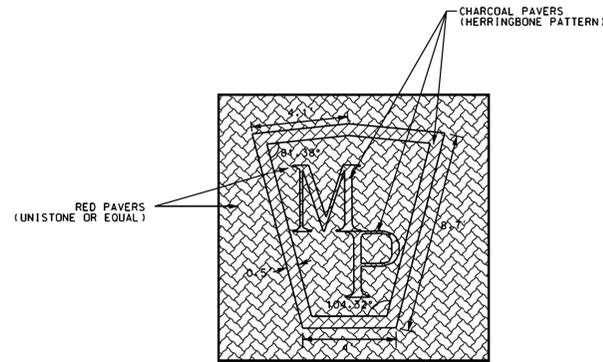
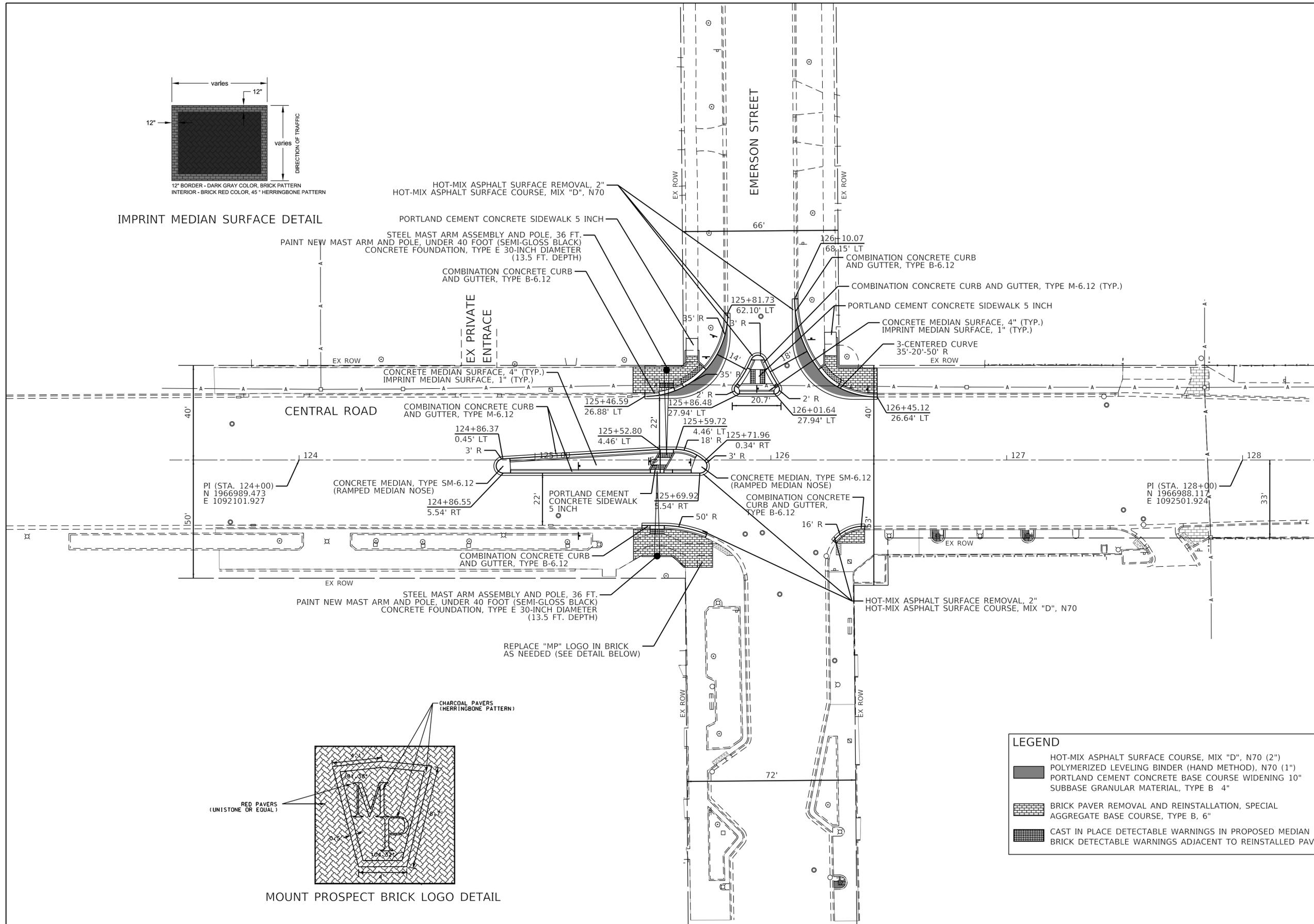
**EXISTING CONDITIONS AND REMOVAL PLAN**  
**CENTRAL ROAD AND EMERSON STREET**  
**PEDESTRIAN CROSSING AND INTERSECTION IMPROVEMENTS**  
**VILLAGE OF MOUNT PROSPECT, ILLINOIS**

NO.	BY	DATE	REVISION	NO.	BY	DATE	REVISION

FILE: 5396-200-011-removal.dgn	SHEET NUMBER:
DRAWN BY: MJV DATE: 12.20.19	GHA PROJECT # 5396.2
CHECKED BY: KLB DATE: 12.20.19	SCALE: 1"=20'
	OF 21 SHEETS



IMPRINT MEDIAN SURFACE DETAIL



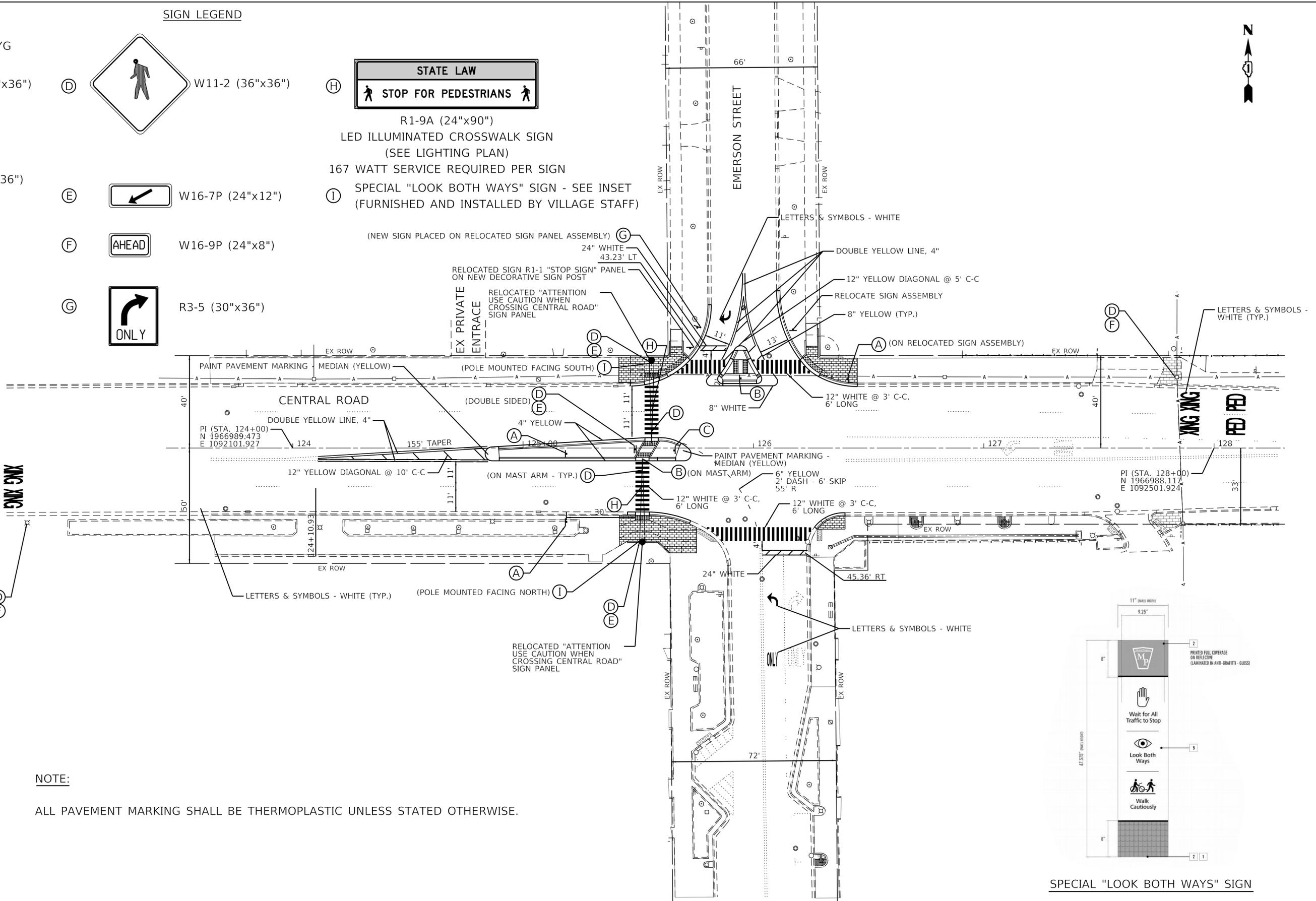
MOUNT PROSPECT BRICK LOGO DETAIL

LEGEND	
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (2")
	POLYMERIZED LEVELING BINDER (HAND METHOD), N70 (1")
	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"
	SUBBASE GRANULAR MATERIAL, TYPE B 4"
	BRICK PAVER REMOVAL AND REINSTALLATION, SPECIAL AGGREGATE BASE COURSE, TYPE B, 6"
	CAST IN PLACE DETECTABLE WARNINGS IN PROPOSED MEDIAN
	BRICK DETECTABLE WARNINGS ADJACENT TO REINSTALLED PAVERS

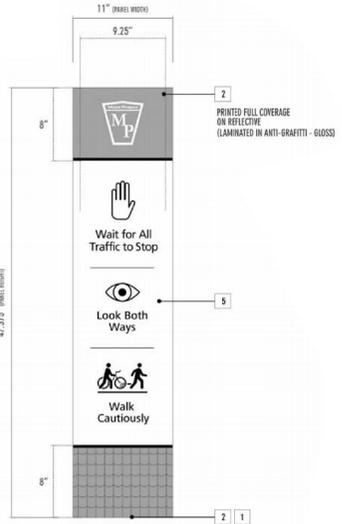
NO.	BY	DATE	REVISION	NO.	BY	DATE	REVISION

SIGN LEGEND

- (A) STATE LAW 36"x12" FYG
- (B) R1-5B (36"x36")
- (C) R1-6A (12"x36")
- (D) W11-2 (36"x36")
- (E) W16-7P (24"x12")
- (F) W16-9P (24"x8")
- (G) R3-5 (30"x36")
- (H) STATE LAW R1-9A (24"x90") LED ILLUMINATED CROSSWALK SIGN (SEE LIGHTING PLAN) 167 WATT SERVICE REQUIRED PER SIGN
- (I) SPECIAL "LOOK BOTH WAYS" SIGN - SEE INSET (FURNISHED AND INSTALLED BY VILLAGE STAFF)



NOTE:  
ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS STATED OTHERWISE.

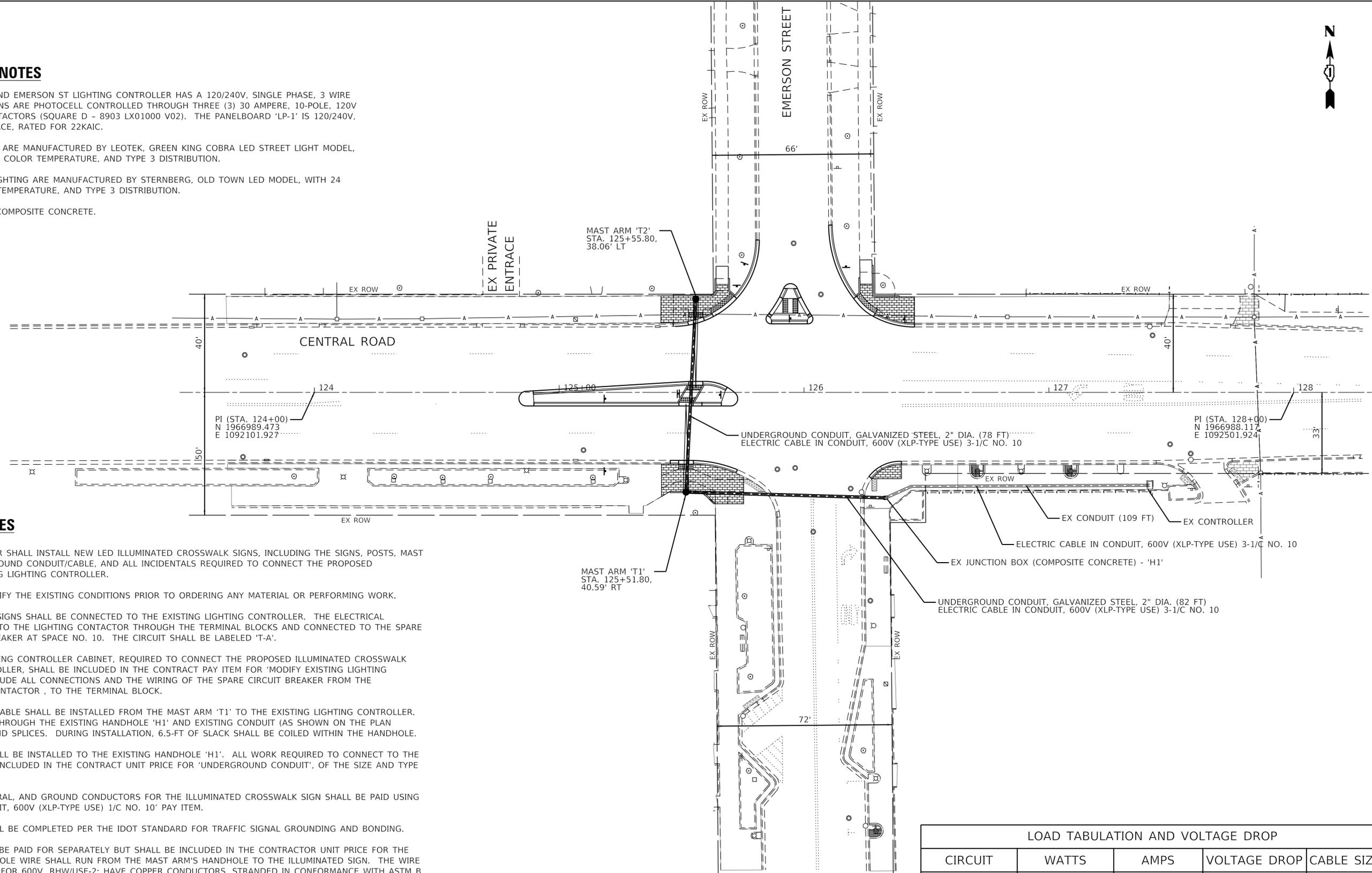


SPECIAL "LOOK BOTH WAYS" SIGN

NO.	BY	DATE	REVISION	NO.	BY	DATE	REVISION

**EXISTING LIGHTING NOTES**

1. THE EXISTING CENTRAL RD AND EMERSON ST LIGHTING CONTROLLER HAS A 120/240V, SINGLE PHASE, 3 WIRE SYSTEM. THE LIGHTING/FESTOONS ARE PHOTOCCELL CONTROLLED THROUGH THREE (3) 30 AMPERE, 10-POLE, 120V COIL, MECHANICALLY HELD CONTACTORS (SQUARE D - 8903 LX01000 V02). THE PANELBOARD 'LP-1' IS 120/240V, SINGLE PHASE, 400 AMP, 30 SPACE, RATED FOR 22KAIC.
2. THE EXISTING STREET LIGHTS ARE MANUFACTURED BY LEOTEK, GREEN KING COBRA LED STREET LIGHT MODEL, WITH 90 LEDS, 120-277V, 4000K COLOR TEMPERATURE, AND TYPE 3 DISTRIBUTION.
3. THE EXISTING PEDESTRIAN LIGHTING ARE MANUFACTURED BY STERNBERG, OLD TOWN LED MODEL, WITH 24 LEDS, 120-277V, 4000K COLOR TEMPERATURE, AND TYPE 3 DISTRIBUTION.
4. THE EXISTING HANDHOLE IS COMPOSITE CONCRETE.

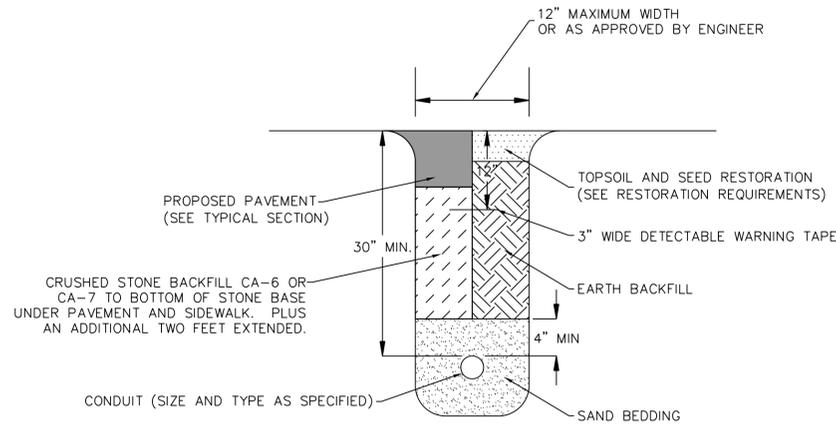


**CONSTRUCTION NOTES**

1. THE ELECTRICAL CONTRACTOR SHALL INSTALL NEW LED ILLUMINATED CROSSWALK SIGNS, INCLUDING THE SIGNS, POSTS, MAST ARMS, FOUNDATIONS, UNDERGROUND CONDUIT/CABLE, AND ALL INCIDENTALS REQUIRED TO CONNECT THE PROPOSED IMPROVEMENTS TO THE EXISTING LIGHTING CONTROLLER.
2. THE CONTRACTOR SHALL VERIFY THE EXISTING CONDITIONS PRIOR TO ORDERING ANY MATERIAL OR PERFORMING WORK.
3. THE PROPOSED CROSSWALK SIGNS SHALL BE CONNECTED TO THE EXISTING LIGHTING CONTROLLER. THE ELECTRICAL COMPONENTS SHALL BE WIRED TO THE LIGHTING CONTRACTOR THROUGH THE TERMINAL BLOCKS AND CONNECTED TO THE SPARE 120V, 20 AMP, SINGLE POLE BREAKER AT SPACE NO. 10. THE CIRCUIT SHALL BE LABELED 'T-A'.
4. ALL WORK WITHIN THE LIGHTING CONTROLLER CABINET, REQUIRED TO CONNECT THE PROPOSED ILLUMINATED CROSSWALK SIGNS TO THE EXISTING CONTROLLER, SHALL BE INCLUDED IN THE CONTRACT PAY ITEM FOR 'MODIFY EXISTING LIGHTING CONTROLLER'. THIS SHALL INCLUDE ALL CONNECTIONS AND THE WIRING OF THE SPARE CIRCUIT BREAKER FROM THE PANELBOARD, THROUGH THE CONTRACTOR, TO THE TERMINAL BLOCK.
5. THE PROPOSED ELECTRICAL CABLE SHALL BE INSTALLED FROM THE MAST ARM 'T1' TO THE EXISTING LIGHTING CONTROLLER. THE CABLE SHALL BE ROUTED THROUGH THE EXISTING HANDHOLE 'H1' AND EXISTING CONDUIT (AS SHOWN ON THE PLAN SHEETS) WITHOUT UNDERGROUND SPLICES. DURING INSTALLATION, 6.5-FT OF SLACK SHALL BE COILED WITHIN THE HANDHOLE.
6. THE PROPOSED CONDUIT SHALL BE INSTALLED TO THE EXISTING HANDHOLE 'H1'. ALL WORK REQUIRED TO CONNECT TO THE EXISTING HANDHOLE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR 'UNDERGROUND CONDUIT', OF THE SIZE AND TYPE SPECIFIED.
7. THE PROPOSED PHASE, NEUTRAL, AND GROUND CONDUCTORS FOR THE ILLUMINATED CROSSWALK SIGN SHALL BE PAID USING THE 'ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10' PAY ITEM.
8. THE CABLE GROUNDING SHALL BE COMPLETED PER THE IDOT STANDARD FOR TRAFFIC SIGNAL GROUNDING AND BONDING.
9. THE POLE CABLE SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACTOR UNIT PRICE FOR THE 'ILLUMINATED SIGN, SPECIAL'. POLE WIRE SHALL RUN FROM THE MAST ARM'S HANDHOLE TO THE ILLUMINATED SIGN. THE WIRE SHALL BE SIZED NO. 10, RATED FOR 600V, RHW/USE-2; HAVE COPPER CONDUCTORS, STRANDED IN CONFORMANCE WITH ASTM B 8, AND BE INSULATED WITH CROSS-LINKED POLYETHYLENE (XLP) INSULATION.
10. THE EXISTING LIGHTING CONTROLLER LABELS, SCHEMATIC, AND AS-BUILT DOCUMENTS SHALL BE MODIFIED TO INCLUDE THE PROPOSED CHANGES.
11. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING EXISTING UTILITIES. ALL WORK REQUIRED TO LOCATE UTILITIES SHALL BE CONSIDERED INCLUDED IN THE APPLICABLE PAY ITEMS.

LOAD TABULATION AND VOLTAGE DROP				
CIRCUIT	WATTS	AMPS	VOLTAGE DROP	CABLE SIZE
T-A	334	2.8 @ 120v	1.4% (T2)	#10 AWG

NO.	BY	DATE	REVISION	NO.	BY	DATE	REVISION

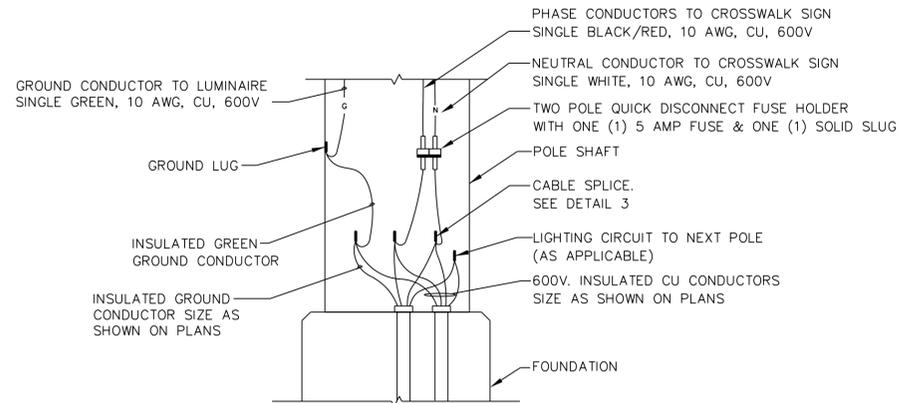


**1 TYPICAL CONDUIT IN TRENCH DETAIL**

NO SCALE

NOTES:

- CONDUIT SHALL BE SURROUNDED BY 4" OF COMPACTED SAND.
- BACKFILL SHALL BE PLACED AND COMPACTED IN 8" LIFTS
- EARTH BACKFILL SHALL BE COMPACTED TO 95% OF THE DENSITY OF SURROUNDING UNDISTURBED SOIL.

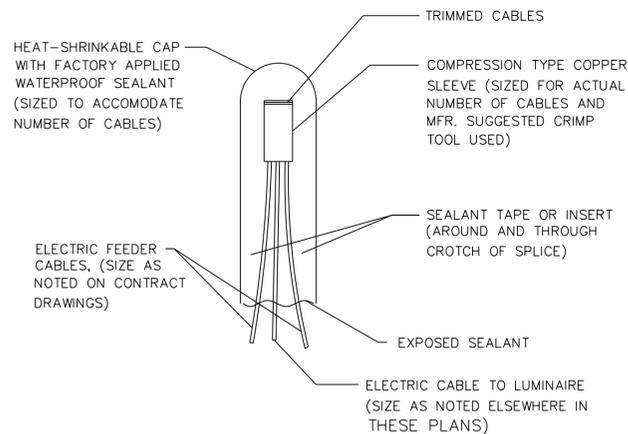


**2 POLE BASE WIRING DIAGRAM**

NO SCALE

NOTES:

- ALL FUSE HOLDERS SHALL INCLUDE BOOTS

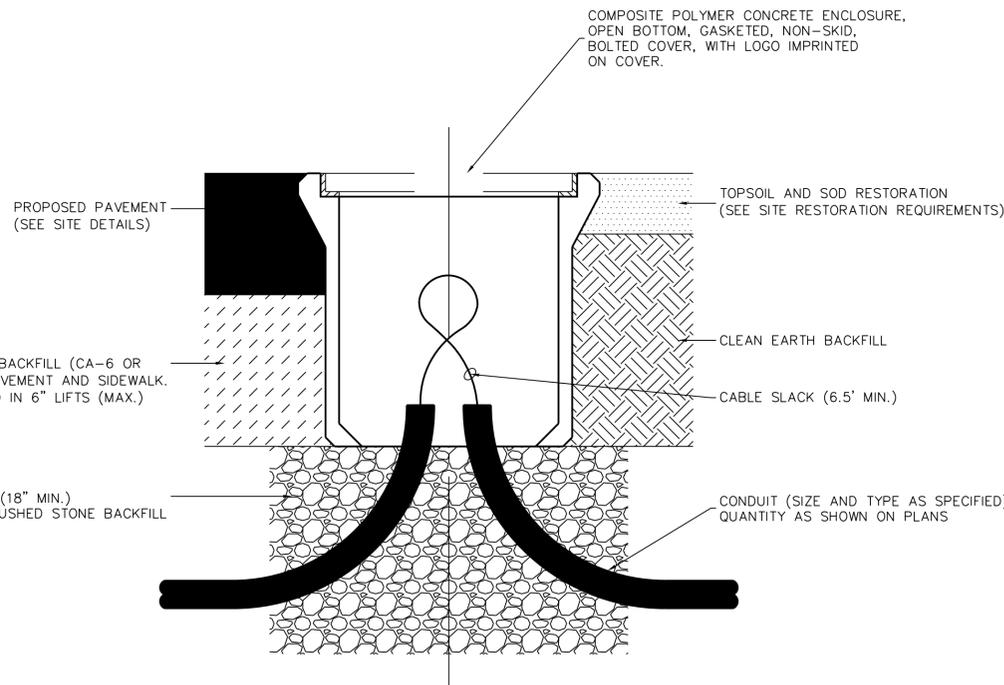


**3 SPLICING ELECTRIC CABLES  
BASIC MATERIALS AND METHODS**

NO SCALE

NOTES:

- THE NUMBER OF CABLES IN SPLICE MAY VARY



**4 COMPOSITE HANDHOLE DETAIL**

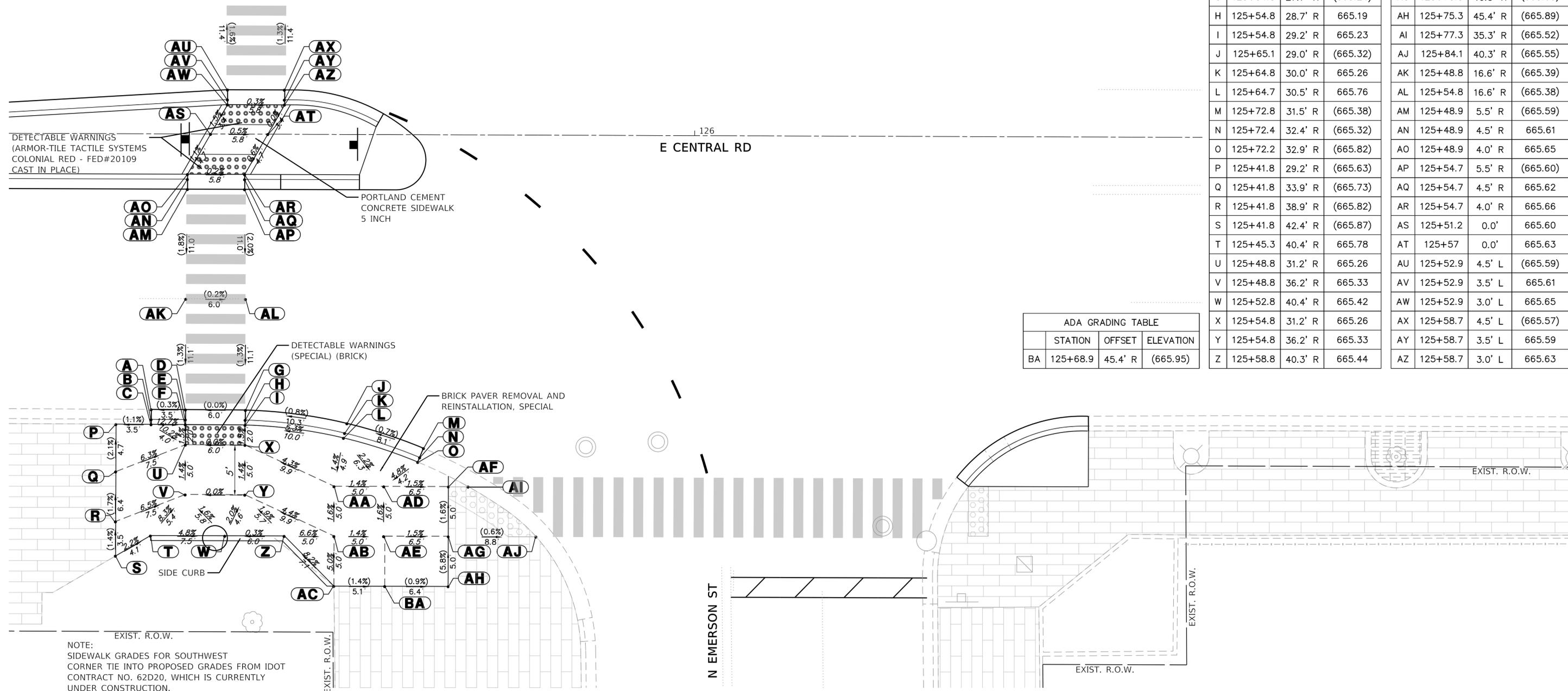
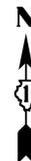
NO SCALE

NOTES:

- HANDHOLE SHALL BE UL LISTED (OR EQUIVALENT)
- EARTH BACKFILL SHALL BE COMPACTED TO 95% OF THE DENSITY OF SURROUNDING UNDISTURBED SOIL.
- HANDHOLE SHALL BE RATED BASED ON APPLICATION AND LOCATION:
  - GRASS OR PARKWAY WITH NO VEHICULAR TRAFFIC - TIER 5
  - SIDEWALK WITH NO VEHICULAR TRAFFIC - TIER 8
  - DRIVEWAY OR PARKING LOT WITH OCCASIONAL VEHICULAR TRAFFIC - TIER 22
  - DELIBERATE VEHICULAR TRAFFIC - AASHTO H-20

**GENERAL ELECTRICAL NOTES:**

- THE OWNER OF THE PROPOSED ILLUMINATED CROSSWALK EQUIPMENT SHALL BE THE VILLAGE OF MOUNT PROSPECT.
- ALL WORK SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE, THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND ANY APPLICABLE LOCAL CODES. IF DISCREPANCIES EXIST THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER TO DETERMINE THE PROPER COURSE OF ACTION.
- ALL PAY ITEMS REFER TO IDOT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
- THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BEFORE INSTALLATION OF ANY COMPONENTS OF THE ELECTRICAL SYSTEM. FOR THE LOCATIONS OF THE UTILITIES, CALL JULIE TOLL FREE AT 1-800-892-0123. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE EXISTING TRAFFIC SIGNAL AND ROADWAY LIGHTING CABLES AND CONDUITS.
- CONDUIT SHALL BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH TREES, BUSHES, DRAINS AND OTHER UTILITIES.
- CARE SHALL BE TAKEN NOT TO DAMAGE ANY OF THE PERMANENT TRAFFIC SIGNAL AND ROADWAY LIGHTING CONDUITS, DETECTORS, AND EQUIPMENT. IF ANY OF THE TRAFFIC SIGNAL OR ROADWAY LIGHTING CONDUIT AND/OR EQUIPMENT IS DAMAGED, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE THE CONDUIT AND/OR EQUIPMENT AT NO COST TO THE COUNTY, STATE, OR VILLAGE.
- THE CONTRACTOR SHALL MARK THE PROPOSED LOCATIONS OF ALL ELECTRICAL EQUIPMENT FOR VERIFICATION AND APPROVAL BY THE ENGINEER, PRIOR TO STARTING WORK.
- IF EQUIPMENT IS POSITIONED NEAR OVERHEAD UTILITIES, THE CONTRACTOR SHALL CONTACT THE LOCAL UTILITY FOR LOCATION APPROVAL.
- NO MATERIALS SHALL BE DELIVERED TO THE JOB SITE UNTIL A STORAGE LOCATION AND ALL PERTINENT SUBMITTALS HAVE BEEN APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF FINISHED GRADE. THE RESIDENT ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY FOR COORDINATING THE FINISHED GRADE ELEVATION WITH THE TOP OF THE FOUNDATION HEIGHTS SHALL REMAIN WITH THE CONTRACTOR.
- ALL CONCRETE FOUNDATIONS SHALL BE EQUIPPED WITH A GROUNDING ROD.
- GROUNDING CONNECTIONS AT THE FOUNDATIONS SHALL BE INSPECTED AND APPROVED BY THE RESIDENT ENGINEER.
- THE GROUNDING CONDUCTOR SHALL BE INSULATED.
- THE GROUNDING CONDUCTOR SHALL EXTEND CONTINUOUSLY WITH ALL CIRCUIT CONDUCTORS AND SHALL BE BONDED TO THE SYSTEM GROUND AT THE LIGHTING CONTROLLER.
- THE GROUNDING CONDUCTOR SHALL BE SPLICED AND BONDED AT EACH POLE.
- ALL EQUIPMENT SHALL HAVE PROPER OVERCURRENT PROTECTION. OVERCURRENT PROTECTION SHALL BE PROVIDED FOR EACH ILLUMINATED SIGN THROUGH THE USE OF POLE BASE FUSING, OR OTHER MEANS AS APPROVED BY THE ENGINEER.
- NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE PCC FOUNDATIONS HAVE CURED, AS APPROVED BY THE ENGINEER.
- UPON COMPLETION OF THE PERMANENT ELECTRICAL SYSTEM, THE CONTRACTOR SHALL REQUEST IN WRITING A PREFINAL INSPECTION. A MINIMUM OF THREE DAYS NOTICE SHALL BE GIVEN TO THE VILLAGE OF MOUNT PROSPECT. UPON COMPLETION OF INSPECTION AND APPROVAL OF WORK, THE VILLAGE SHALL TAKE MAINTENANCE OF THE ELECTRICAL SYSTEM.
- THE PROPOSED ELECTRICAL SYSTEM SHALL BE TESTED ACCORDING TO ART. 801.13 OF THE STANDARD SPECIFICATIONS, PRIOR TO THE FINAL INSPECTION.
- THE PROPOSED ELECTRICAL SYSTEM SHALL HAVE LABELS INSTALLED ACCORDING TO ARTICLE 1069.06.



ADA GRADING TABLE		
STATION	OFFSET	ELEVATION
BA	125+68.9	45.4' R (665.95)

ADA GRADING TABLE		
STATION	OFFSET	ELEVATION
A	125+45.3	27.7' R (665.23)
B	125+45.3	28.7' R (665.17)
C	125+45.3	29.2' R (665.67)
D	125+48.8	27.7' R (665.24)
E	125+48.8	28.7' R 665.19
F	125+48.8	29.2' R 665.23
G	125+54.8	27.7' R (665.24)
H	125+54.8	28.7' R 665.19
I	125+54.8	29.2' R 665.23
J	125+65.1	29.0' R (665.32)
K	125+64.8	30.0' R 665.26
L	125+64.7	30.5' R 665.76
M	125+72.8	31.5' R (665.38)
N	125+72.4	32.4' R (665.32)
O	125+72.2	32.9' R (665.82)
P	125+41.8	29.2' R (665.63)
Q	125+41.8	33.9' R (665.73)
R	125+41.8	38.9' R (665.82)
S	125+41.8	42.4' R (665.87)
T	125+45.3	40.4' R 665.78
U	125+48.8	31.2' R 665.26
V	125+48.8	36.2' R 665.33
W	125+52.8	40.4' R 665.42
X	125+54.8	31.2' R 665.26
Y	125+54.8	36.2' R 665.33
Z	125+58.8	40.3' R 665.44

ADA GRADING TABLE		
STATION	OFFSET	ELEVATION
AA	125+63.8	35.3' R 665.69
AB	125+63.8	40.3' R 665.77
AC	125+63.8	45.4' R (666.02)
AD	125+68.8	35.3' R 665.62
AE	125+68.8	40.3' R 665.70
AF	125+75.3	35.3' R (665.52)
AG	125+75.3	40.3' R (665.60)
AH	125+75.3	45.4' R (665.89)
AI	125+77.3	35.3' R (665.52)
AJ	125+84.1	40.3' R (665.55)
AK	125+48.8	16.6' R (665.39)
AL	125+54.8	16.6' R (665.38)
AM	125+48.9	5.5' R (665.59)
AN	125+48.9	4.5' R 665.61
AO	125+48.9	4.0' R 665.65
AP	125+54.7	5.5' R (665.60)
AQ	125+54.7	4.5' R 665.62
AR	125+54.7	4.0' R 665.66
AS	125+51.2	0.0' 665.60
AT	125+57	0.0' 665.63
AU	125+52.9	4.5' L (665.59)
AV	125+52.9	3.5' L 665.61
AW	125+52.9	3.0' L 665.65
AX	125+58.7	4.5' L (665.57)
AY	125+58.7	3.5' L 665.59
AZ	125+58.7	3.0' L 665.63

NOTE:  
 SIDEWALK GRADES FOR SOUTHWEST  
 CORNER TIE INTO PROPOSED GRADES FROM IDOT  
 CONTRACT NO. 62D20, WHICH IS CURRENTLY  
 UNDER CONSTRUCTION.

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
 625 Forest Edge Drive ■ Vernon Hills, IL. 60061  
 TEL 847.478.9700 ■ FAX 847.478.9701

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**A.D.A. GRADING DETAILS**  
**CENTRAL ROAD AND EMERSON STREET**  
**PEDESTRIAN CROSSING AND INTERSECTION IMPROVEMENTS**  
**VILLAGE OF MOUNT PROSPECT, ILLINOIS**

NO.	BY	DATE	REVISION	NO.	BY	DATE	REVISION

FILE: 5396-200-ant-ADA\_01.dgn  
 DRAWN BY: MJV GHA PROJECT # 5396.2  
 DATE: 12.20.19  
 CHECKED BY: KLB SCALE: 1"=5'  
 DATE: 12.20.19  
 SHEET NUMBER: **10**  
 OF 21 SHEETS

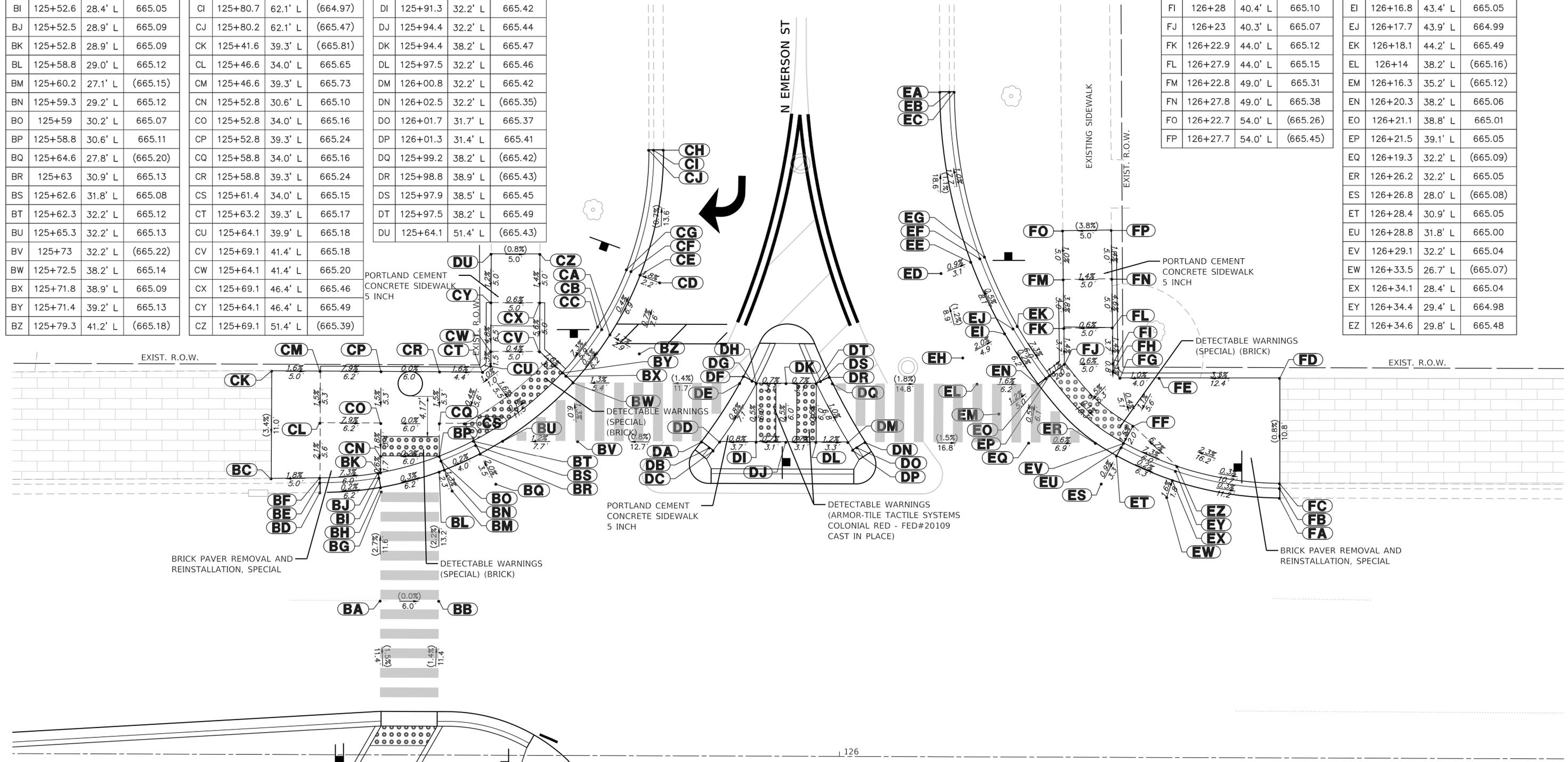
GRADING TABLE			
STATION	OFFSET	ELEVATION	
BA	125+52.8	15.8' L	(665.41)
BB	125+58.8	15.8' L	(665.41)
BC	125+41.6	28.3' L	(665.44)
BD	125+46.6	26.9' L	(665.09)
BE	125+46.6	27.9' L	(665.03)
BF	125+46.6	28.4' L	(665.53)
BG	125+52.9	27.0' L	(665.11)
BH	125+52.8	27.4' L	665.10
BI	125+52.6	28.4' L	665.05
BJ	125+52.5	28.9' L	665.09
BK	125+52.8	28.9' L	665.09
BL	125+58.8	29.0' L	665.12
BM	125+60.2	27.1' L	(665.15)
BN	125+59.3	29.2' L	665.12
BO	125+59	30.2' L	665.07
BP	125+58.8	30.6' L	665.11
BQ	125+64.6	27.8' L	(665.20)
BR	125+63	30.9' L	665.13
BS	125+62.6	31.8' L	665.08
BT	125+62.3	32.2' L	665.12
BU	125+65.3	32.2' L	665.13
BV	125+73	32.2' L	(665.22)
BW	125+72.5	38.2' L	665.14
BX	125+71.8	38.9' L	665.09
BY	125+71.4	39.2' L	665.13
BZ	125+79.3	41.2' L	(665.18)

GRADING TABLE			
STATION	OFFSET	ELEVATION	
CA	125+76.3	43.2' L	665.12
CB	125+75.5	43.7' L	665.06
CC	125+75	44.0' L	665.56
CD	125+81.4	48.5' L	(665.13)
CE	125+79.4	49.3' L	665.09
CF	125+78.5	49.7' L	665.03
CG	125+78	49.8' L	665.53
CH	125+81.7	62.1' L	(665.03)
CI	125+80.7	62.1' L	(664.97)
CJ	125+80.2	62.1' L	(665.47)
CK	125+41.6	39.3' L	(665.81)
CL	125+46.6	34.0' L	665.65
CM	125+46.6	39.3' L	665.73
CN	125+52.8	30.6' L	665.10
CO	125+52.8	34.0' L	665.16
CP	125+52.8	39.3' L	665.24
CQ	125+58.8	34.0' L	665.16
CR	125+58.8	39.3' L	665.24
CS	125+61.4	34.0' L	665.15
CT	125+63.2	39.3' L	665.17
CU	125+64.1	39.9' L	665.18
CV	125+69.1	41.4' L	665.18
CW	125+64.1	41.4' L	665.20
CX	125+69.1	46.4' L	665.46
CY	125+64.1	46.4' L	665.49
CZ	125+69.1	51.4' L	(665.39)

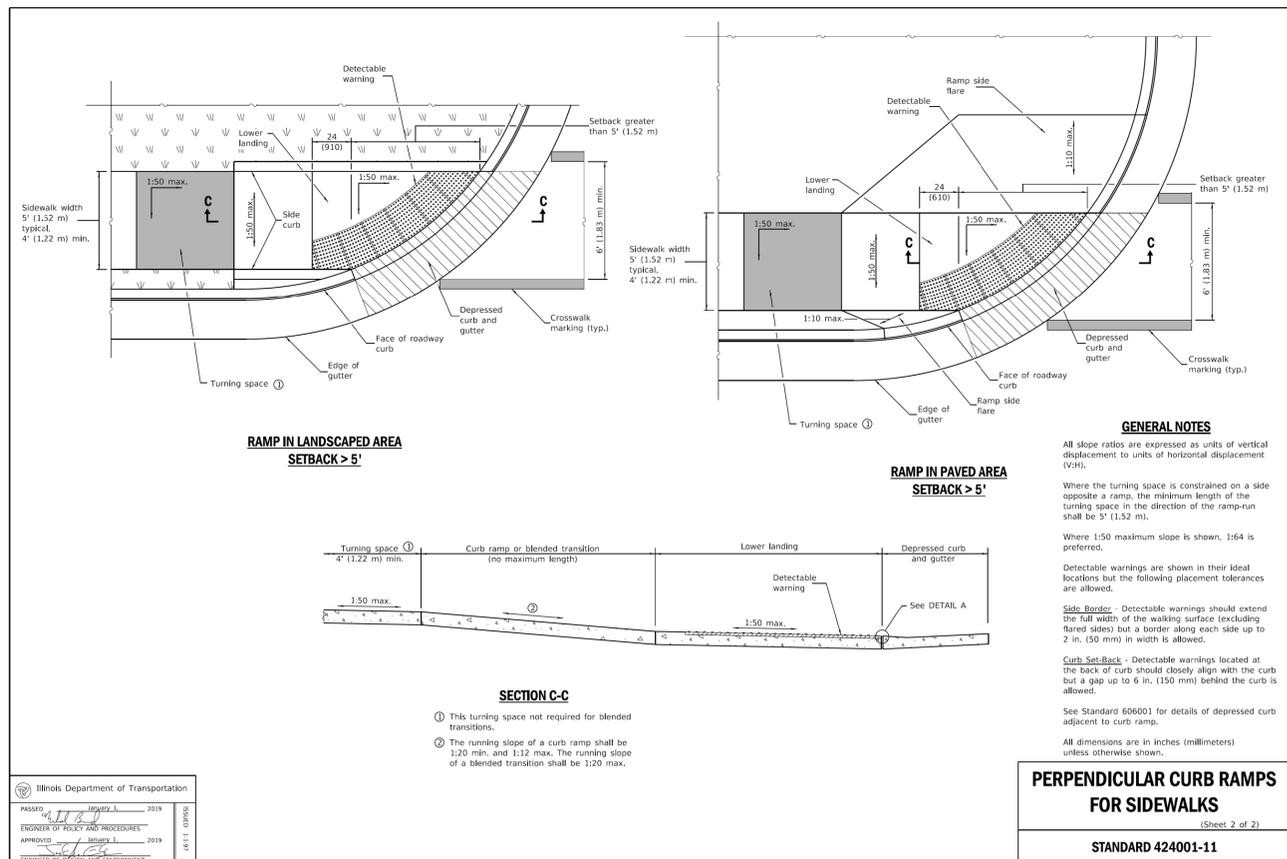
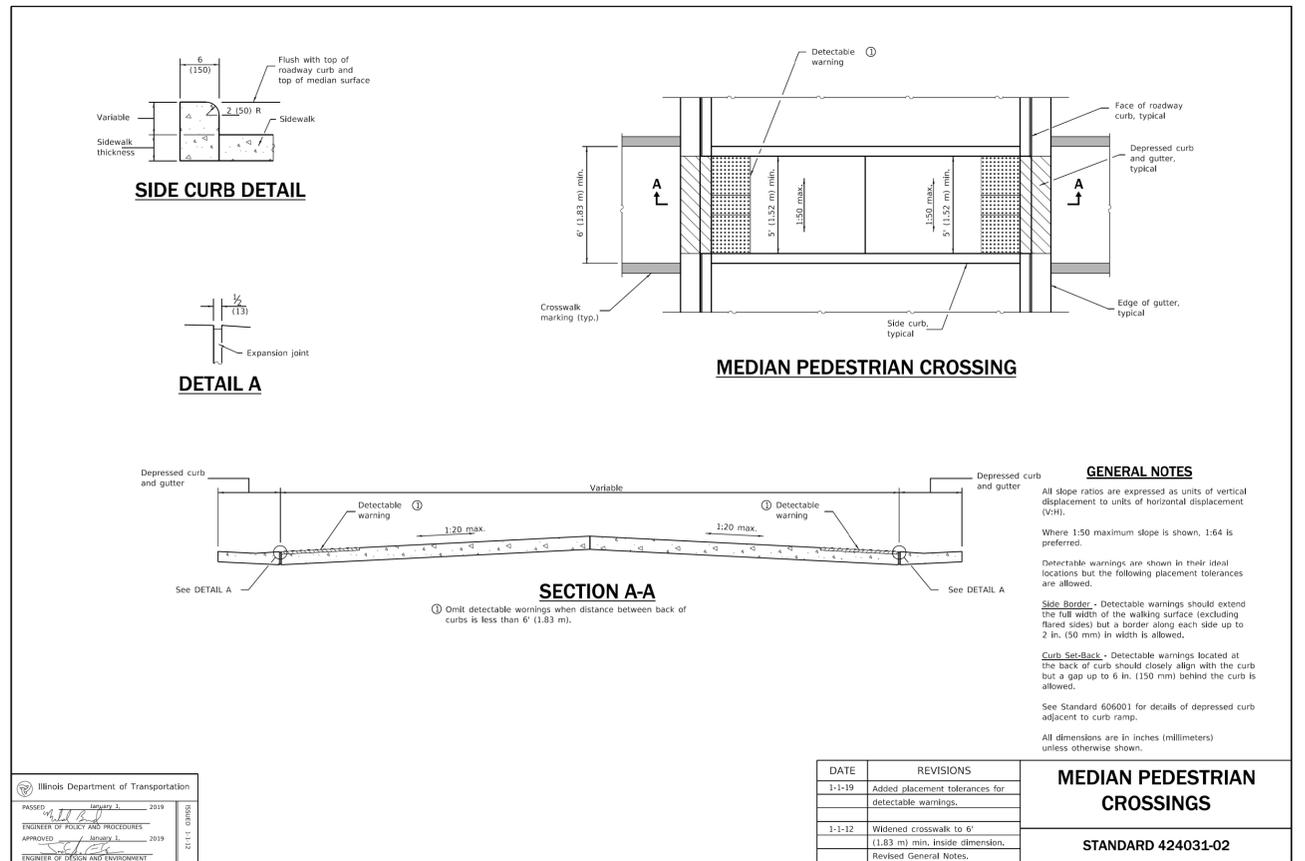
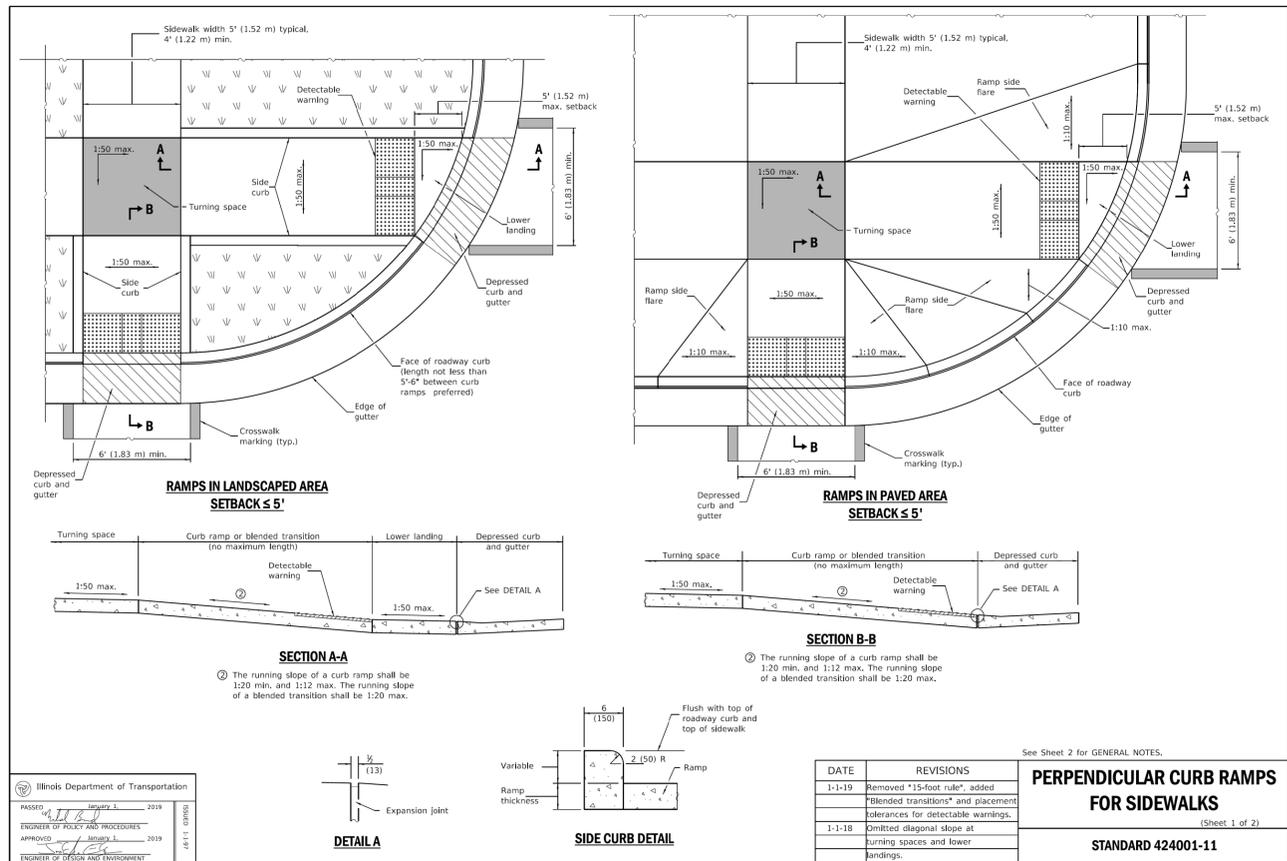
GRADING TABLE			
STATION	OFFSET	ELEVATION	
DA	125+85.7	32.2' L	(665.32)
DB	125+86.5	31.6' L	665.34
DC	125+86.9	31.3' L	665.38
DD	125+87.6	32.2' L	665.39
DE	125+89.6	38.2' L	(665.38)
DF	125+90	38.9' L	(665.39)
DG	125+90.9	38.5' L	665.41
DH	125+91.3	38.2' L	665.45
DI	125+91.3	32.2' L	665.42
DJ	125+94.4	32.2' L	665.44
DK	125+94.4	38.2' L	665.47
DL	125+97.5	32.2' L	665.46
DM	126+00.8	32.2' L	665.42
DN	126+02.5	32.2' L	(665.35)
DO	126+01.7	31.7' L	665.37
DP	126+01.3	31.4' L	665.41
DQ	125+99.2	38.2' L	(665.42)
DR	125+98.8	38.9' L	(665.43)
DS	125+97.9	38.5' L	665.45
DT	125+97.5	38.2' L	665.49
DU	125+64.1	51.4' L	(665.43)

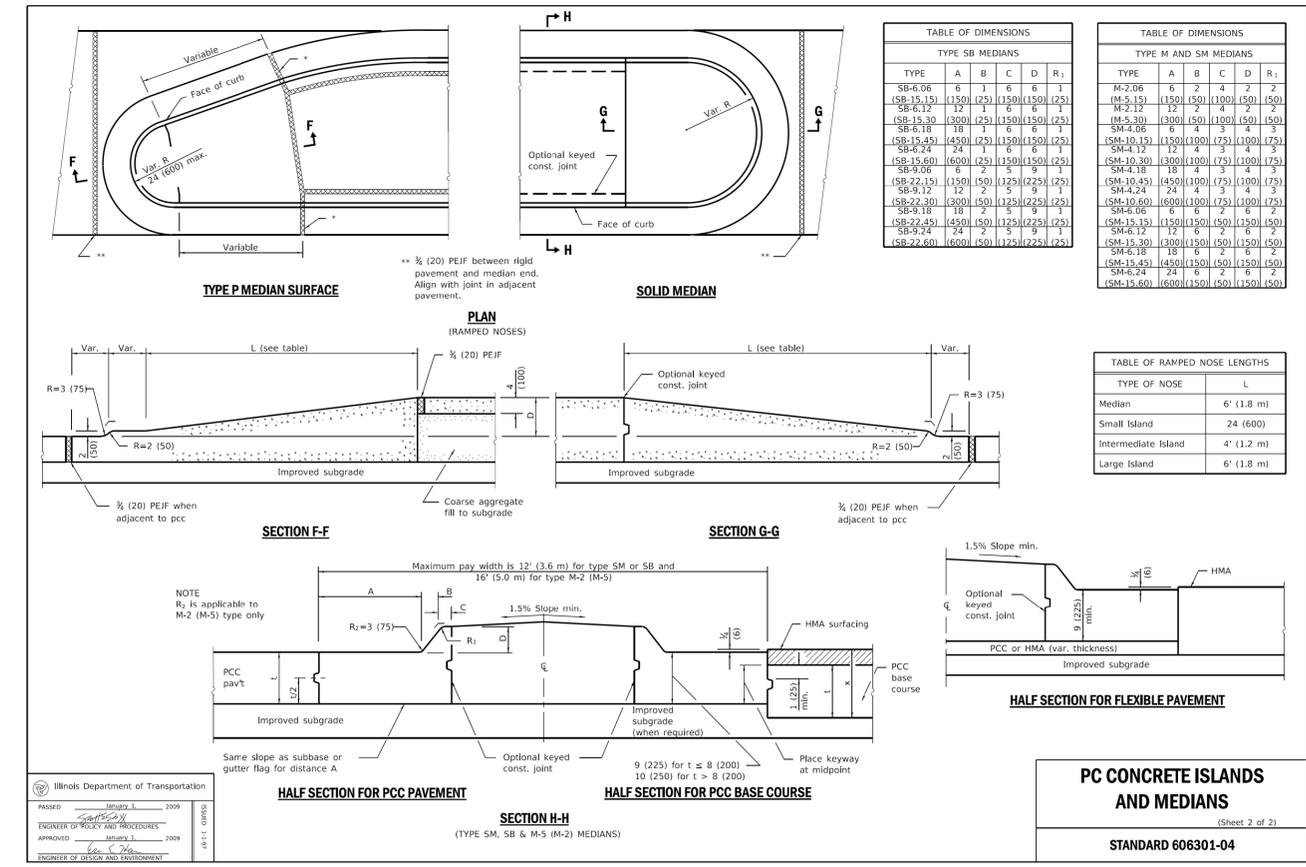
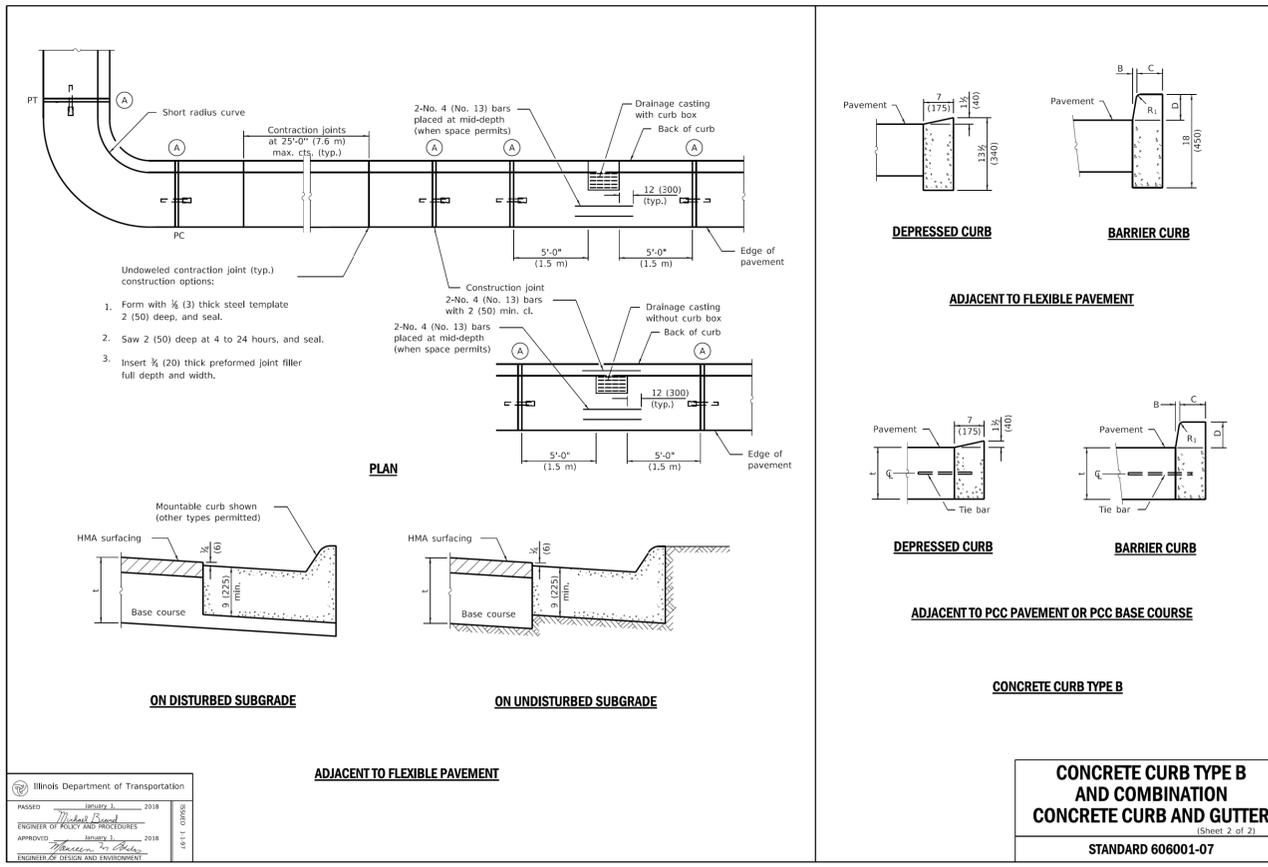
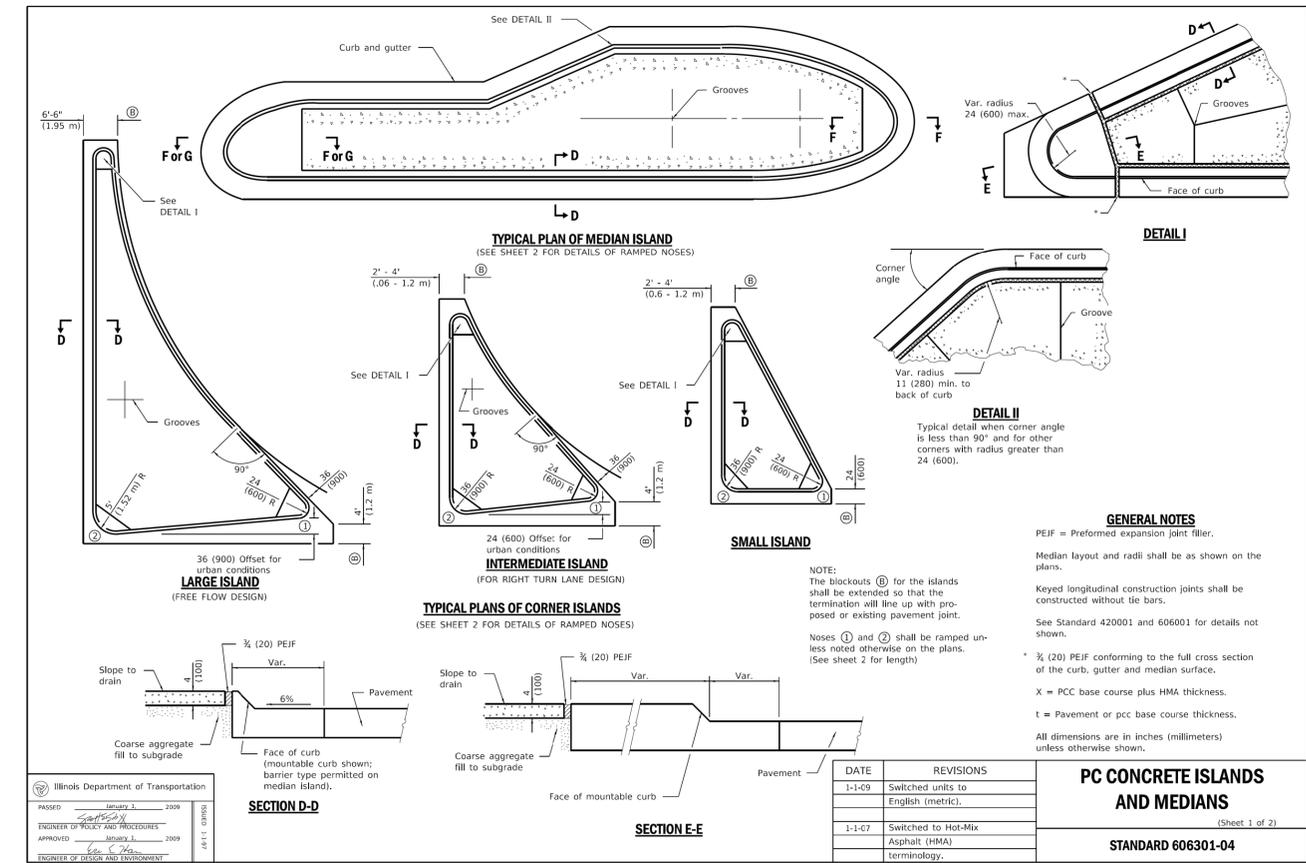
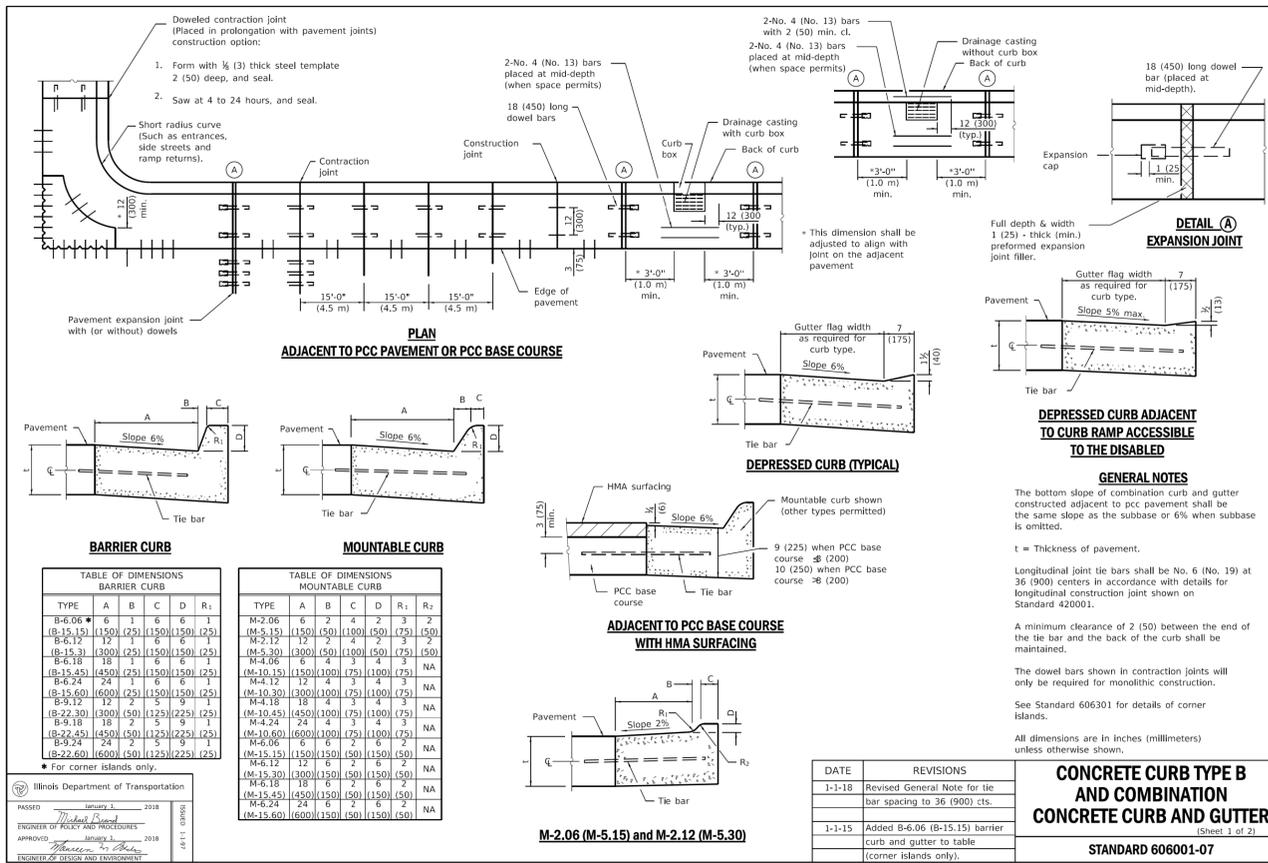
GRADING TABLE			
STATION	OFFSET	ELEVATION	
EA	126+45.1	26.6' L	(665.01)
EB	126+45.1	27.6' L	(664.95)
EC	126+45.1	28.1' L	(665.45)
ED	126+45.1	38.9' L	(665.54)
EE	126+32.7	38.9' L	665.13
EF	126+30	34.0' L	665.07
EG	126+28.7	38.9' L	665.09
EH	126+28	39.6' L	665.09
EI	126+28	40.4' L	665.10
EJ	126+23	40.3' L	665.07
EK	126+22.9	44.0' L	665.12
EL	126+27.9	44.0' L	665.15
EM	126+22.8	49.0' L	665.31
EN	126+27.8	49.0' L	665.38
EO	126+22.7	54.0' L	(665.26)
EP	126+27.7	54.0' L	(665.45)

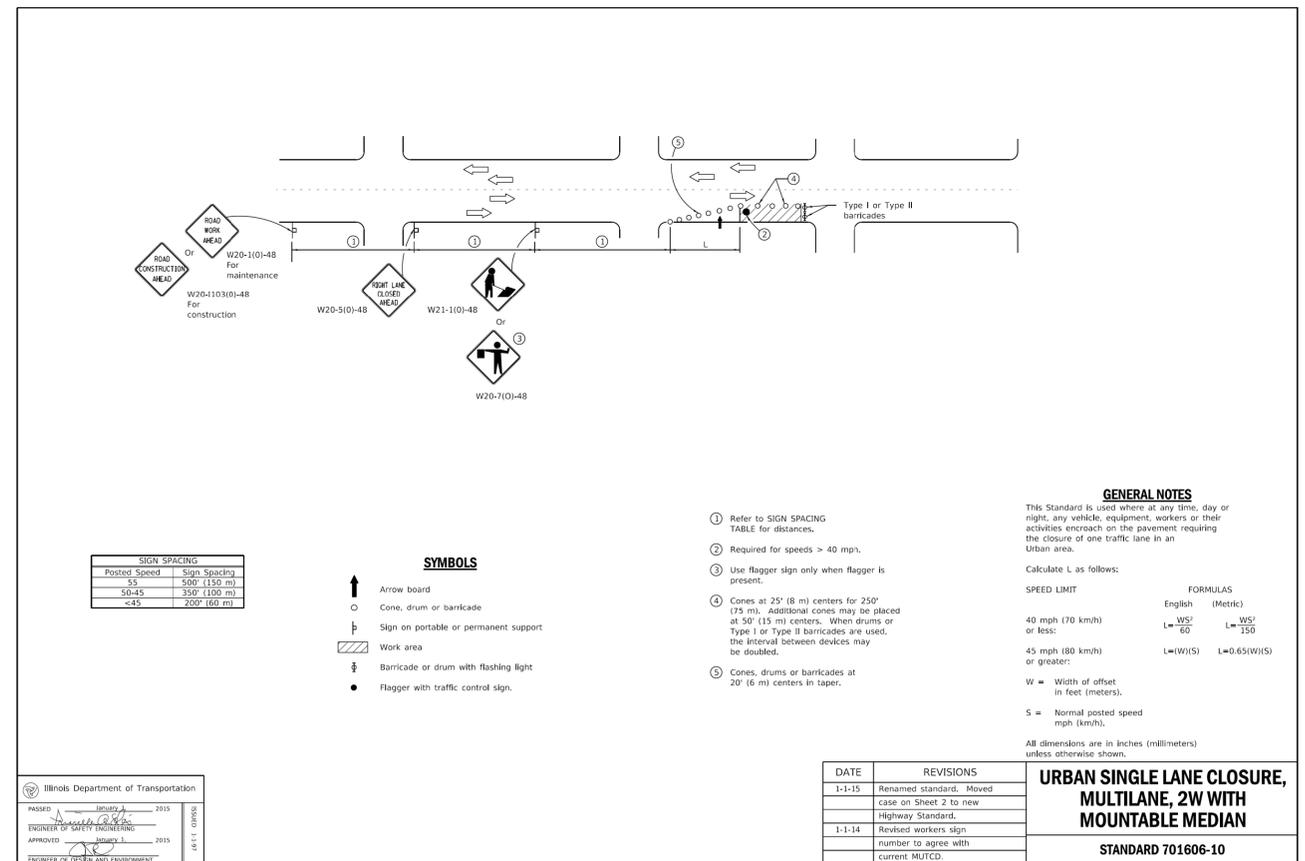
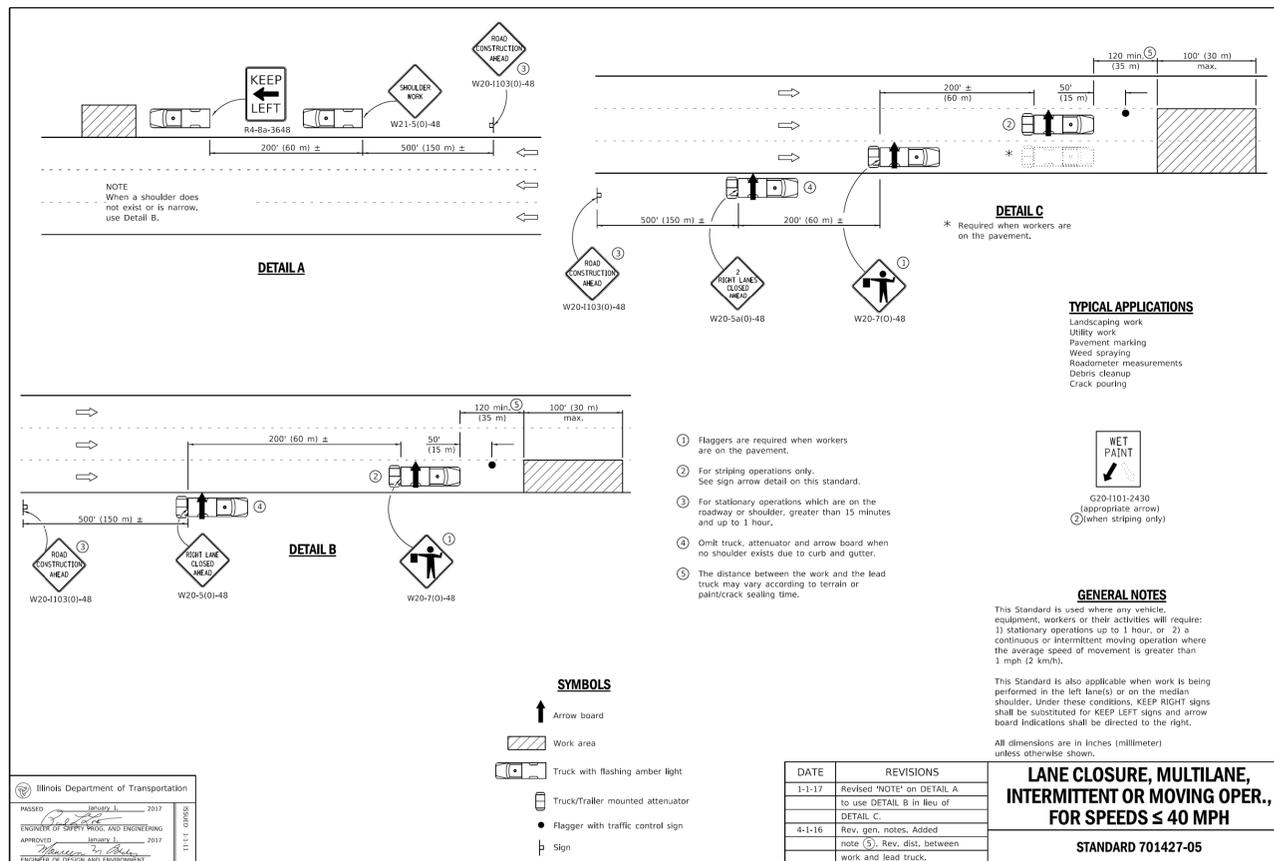
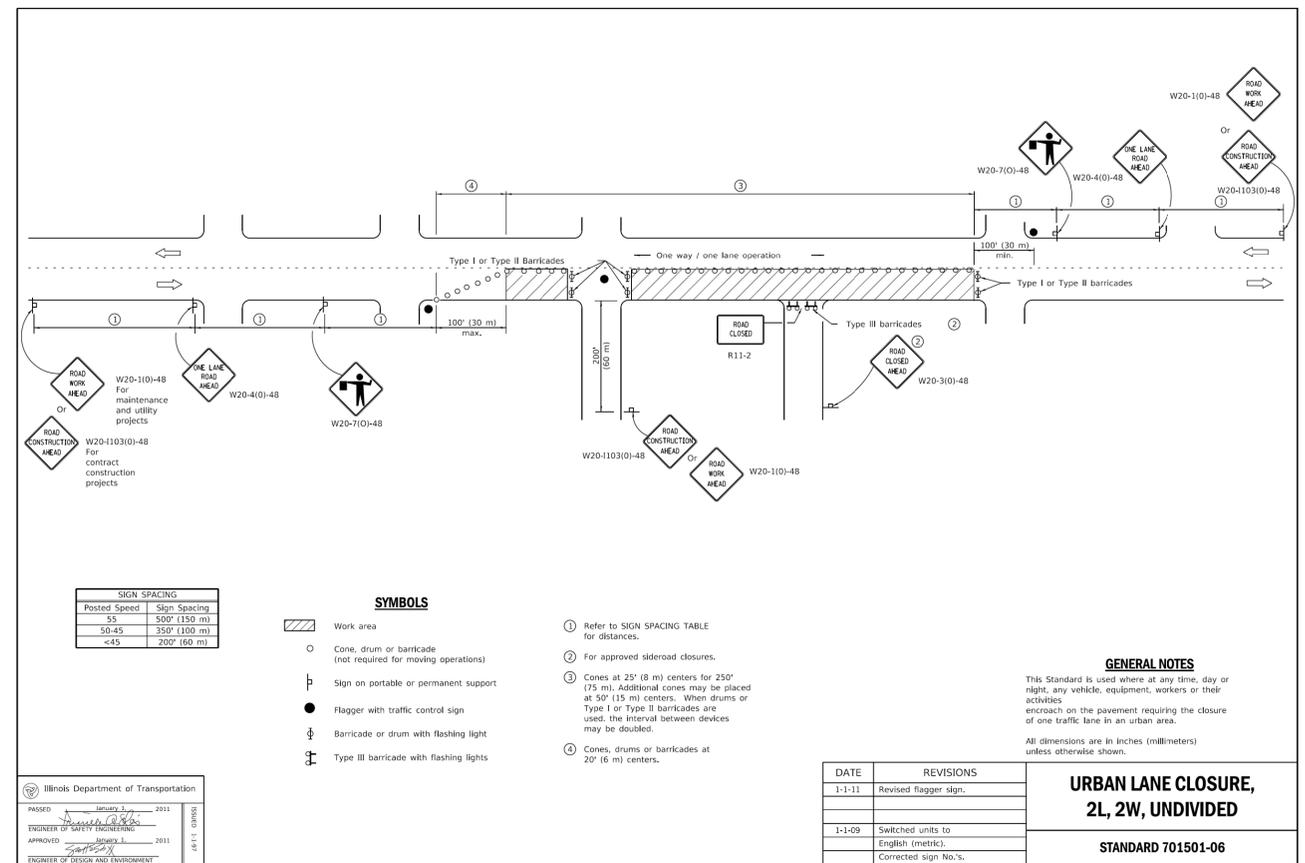
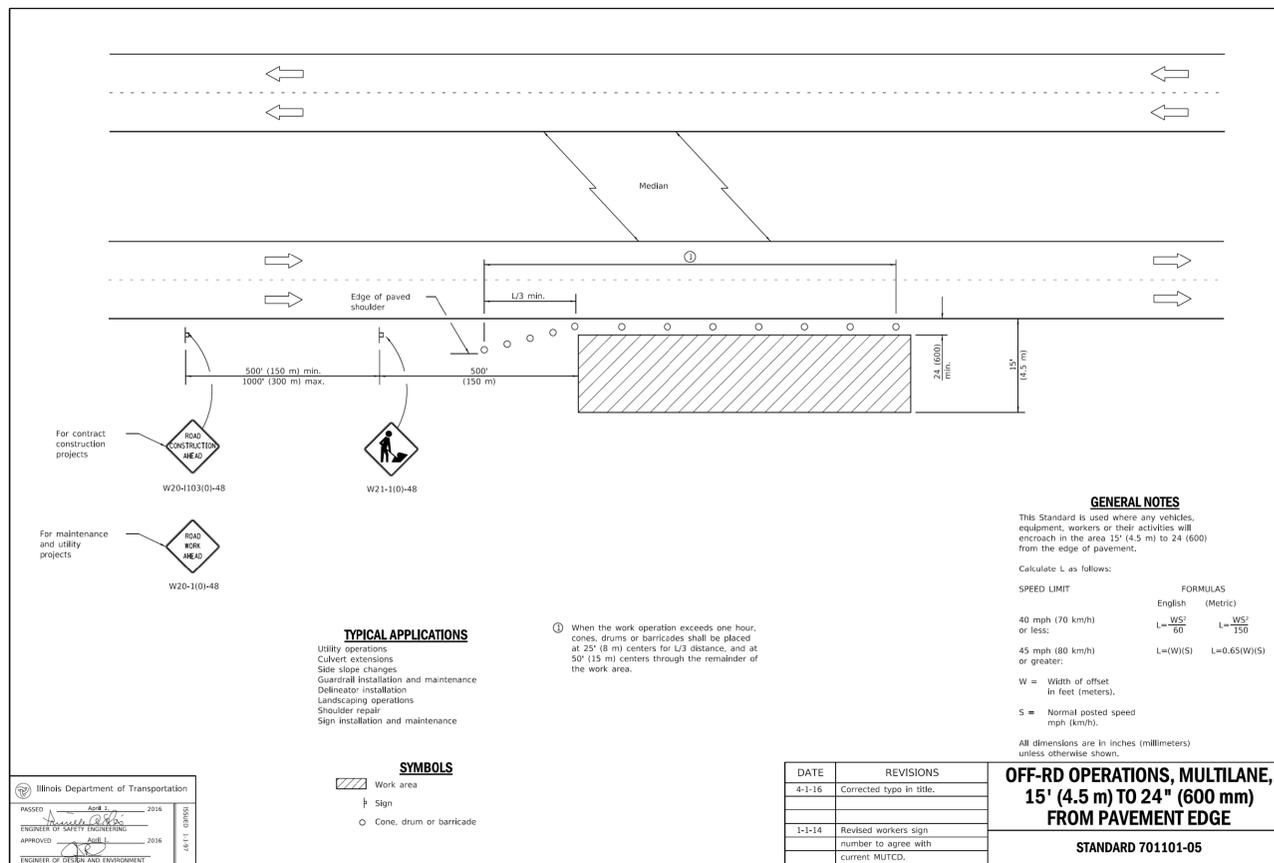
GRADING TABLE			
STATION	OFFSET	ELEVATION	
EA	126+10.1	68.1' L	(664.83)
EB	126+11.1	68.2' L	(664.77)
EC	126+11.6	68.2' L	(665.27)
ED	126+10.3	49.6' L	(665.04)
EE	126+13.3	50.7' L	665.01
EF	126+14.3	51.1' L	664.95
EG	126+14.7	51.3' L	665.45
EH	126+12.5	40.9' L	(665.15)
EI	126+16.8	43.4' L	665.05
EJ	126+17.7	43.9' L	664.99
EK	126+18.1	44.2' L	665.49
EL	126+14	38.2' L	(665.16)
EM	126+16.3	35.2' L	(665.12)
EN	126+20.3	38.2' L	665.06
EO	126+21.1	38.8' L	665.01
EP	126+21.5	39.1' L	665.05
EQ	126+19.3	32.2' L	(665.09)
ER	126+26.2	32.2' L	665.05
ES	126+26.8	28.0' L	(665.08)
ET	126+28.4	30.9' L	665.05
EU	126+28.8	31.8' L	665.00
EV	126+29.1	32.2' L	665.04
EW	126+33.5	26.7' L	(665.07)
EX	126+34.1	28.4' L	665.04
EY	126+34.4	29.4' L	664.98
EZ	126+34.6	29.8' L	665.48

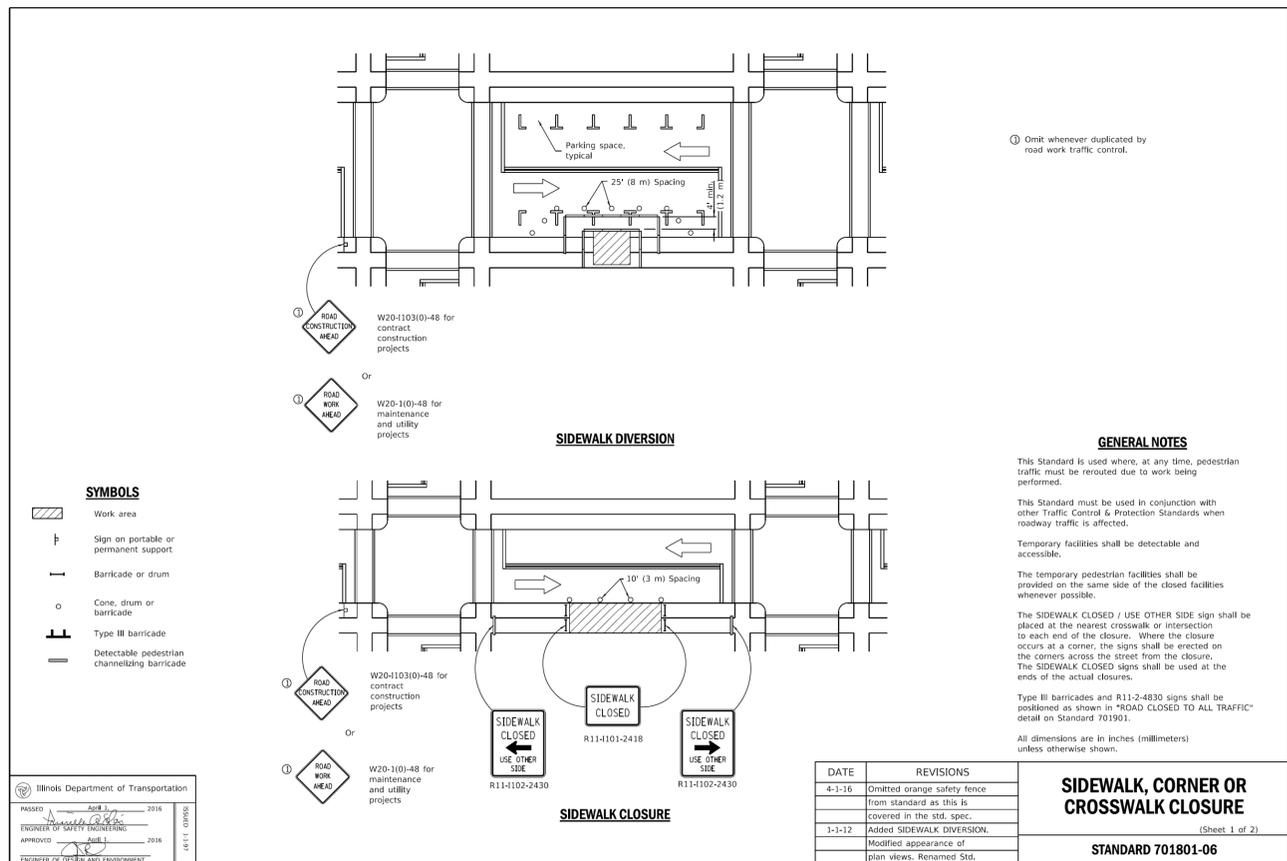
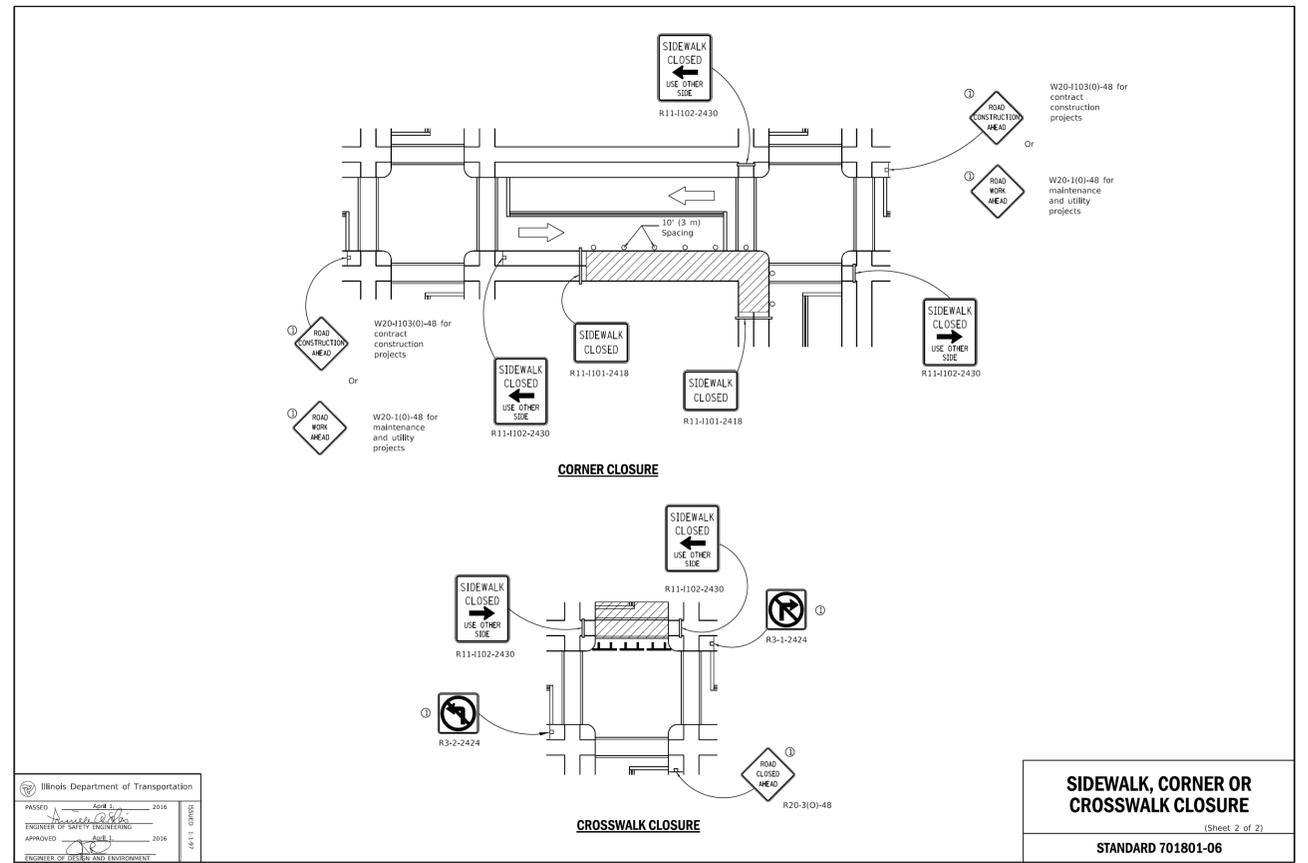
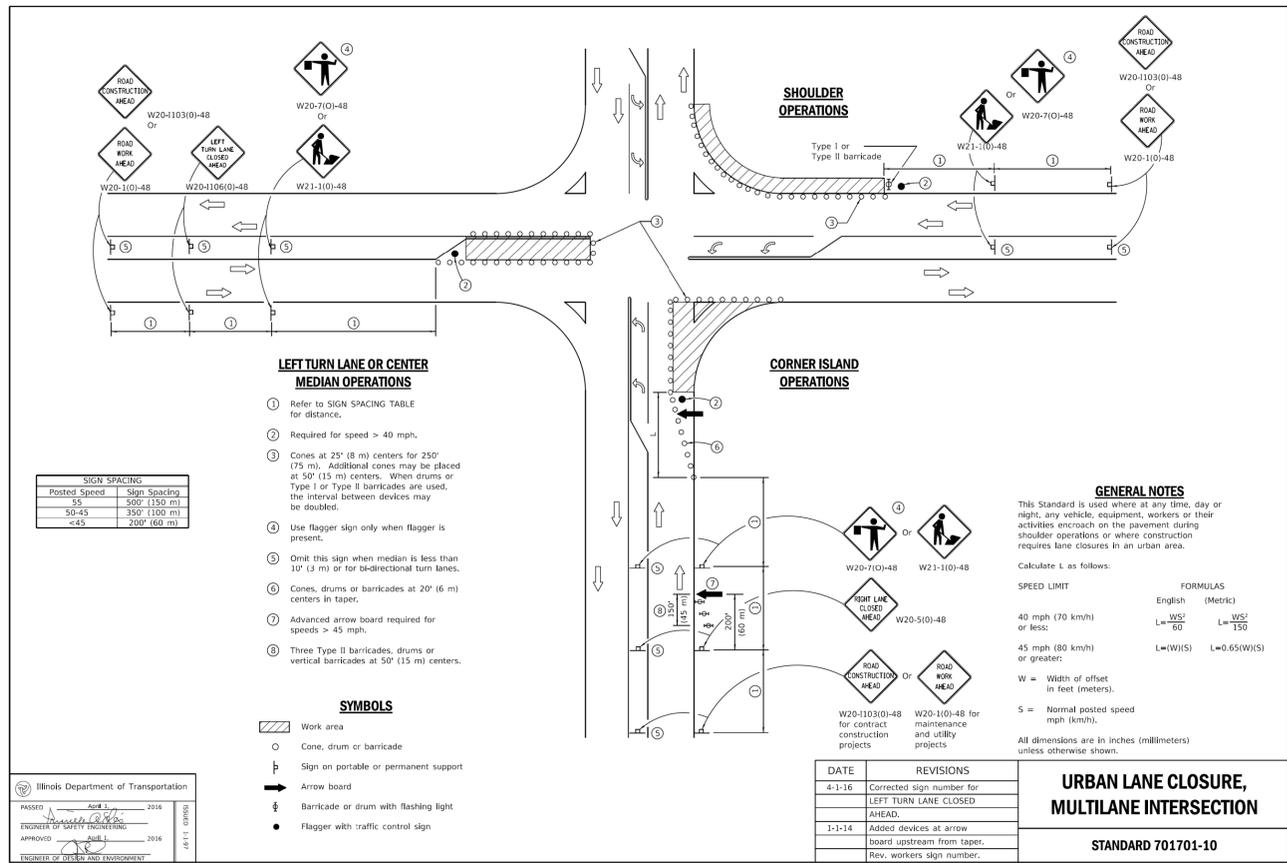


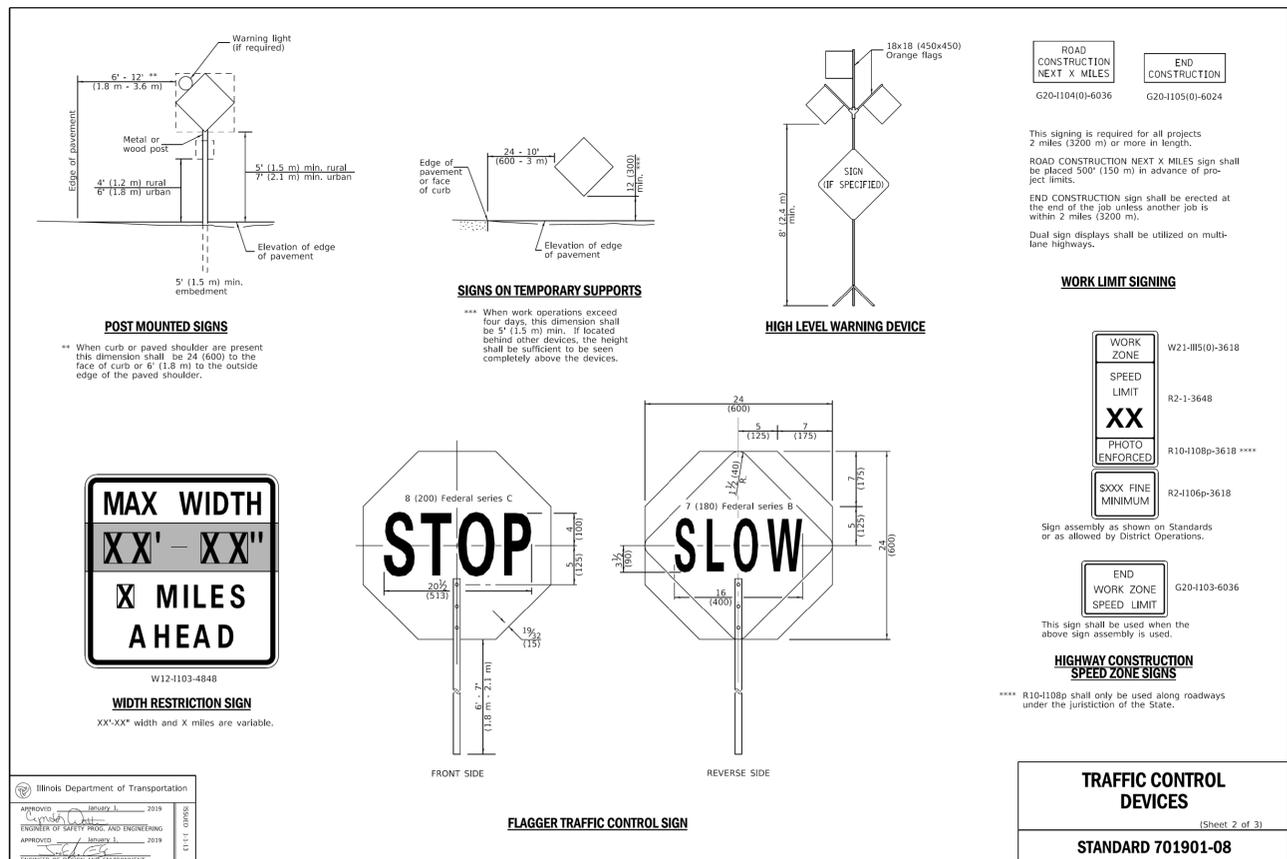
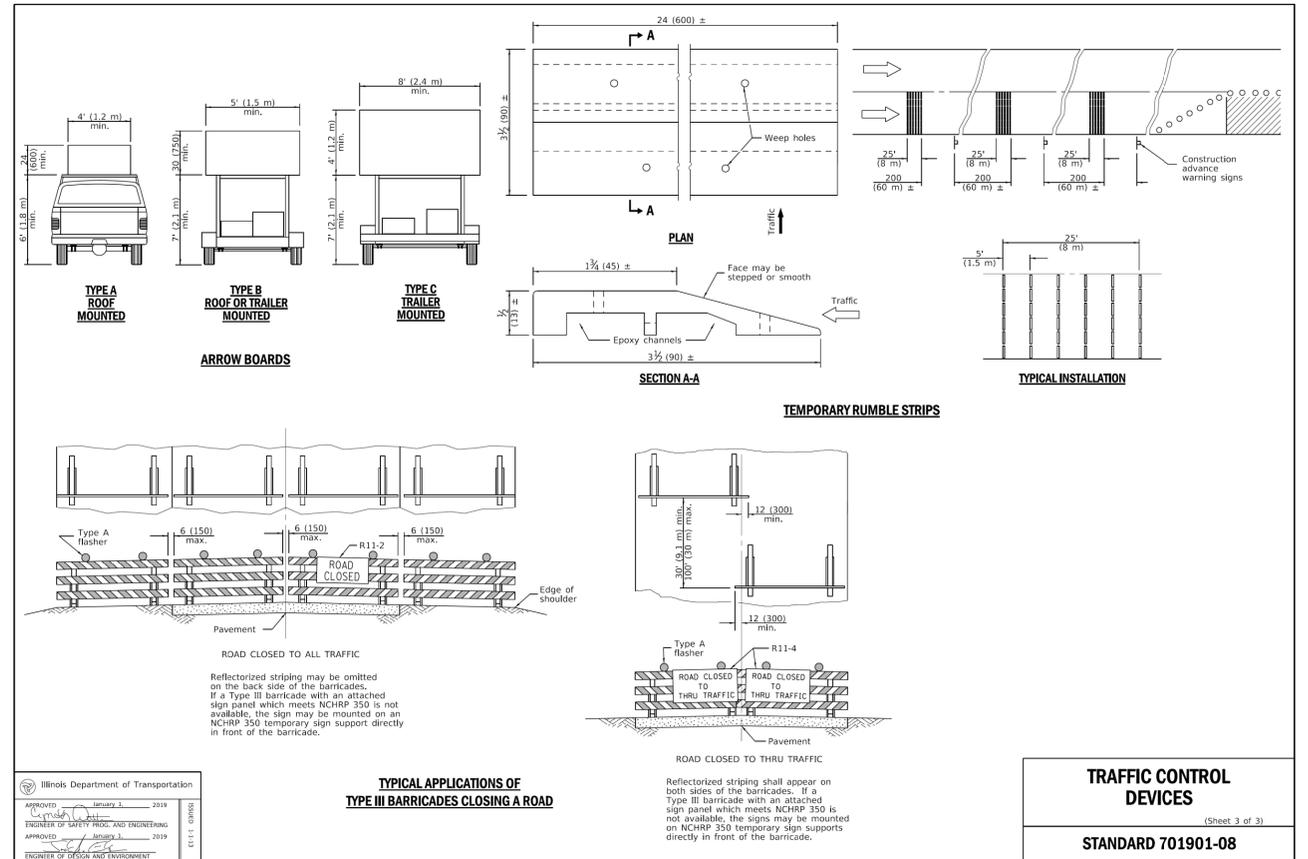
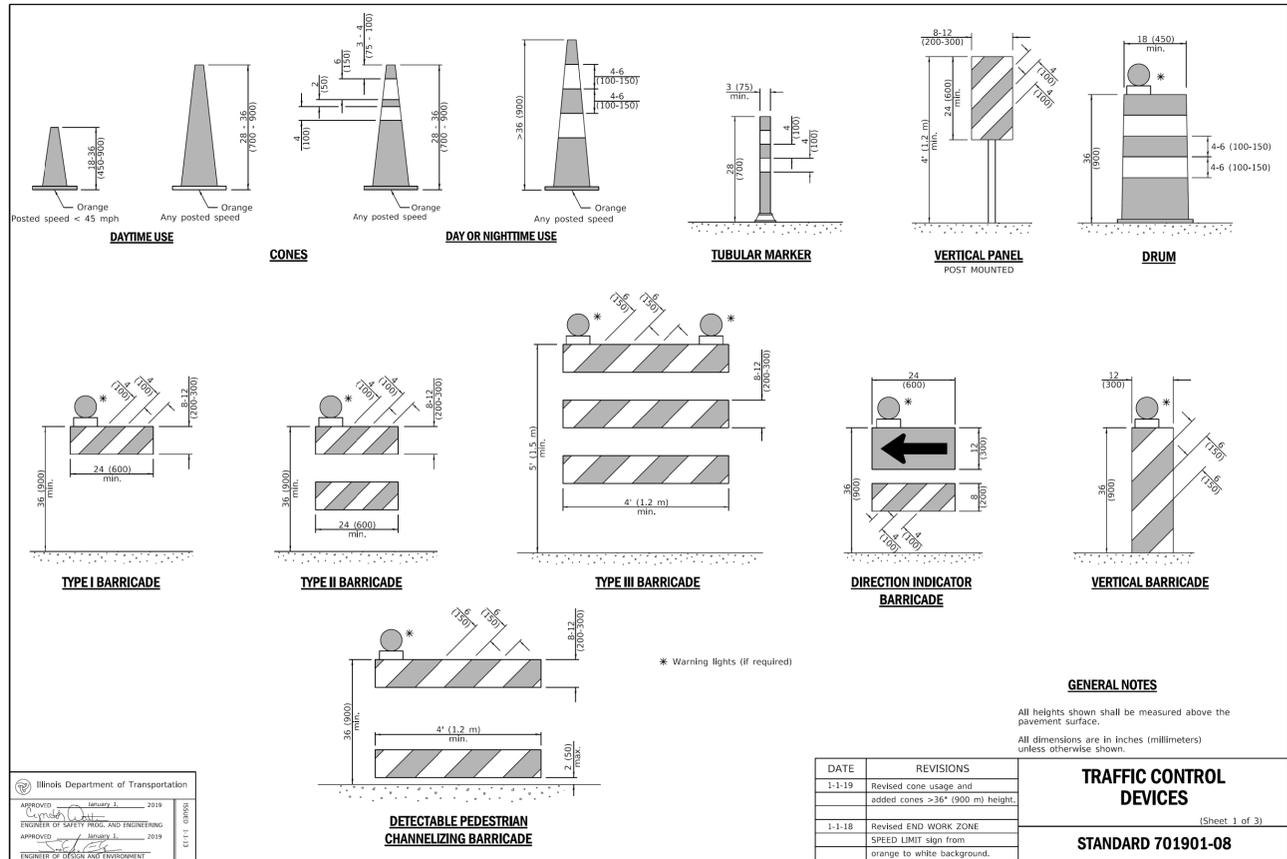
NO.	BY	DATE	REVISION

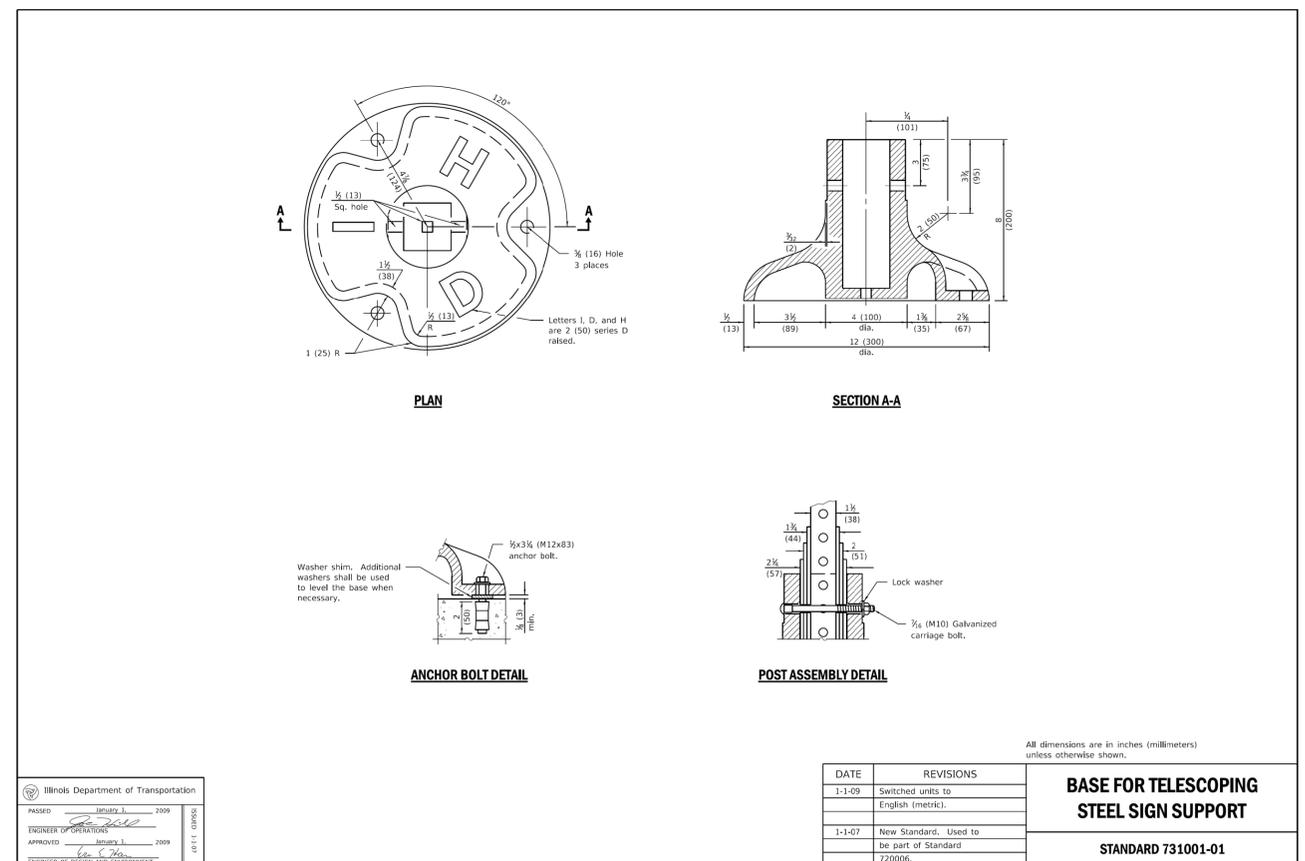
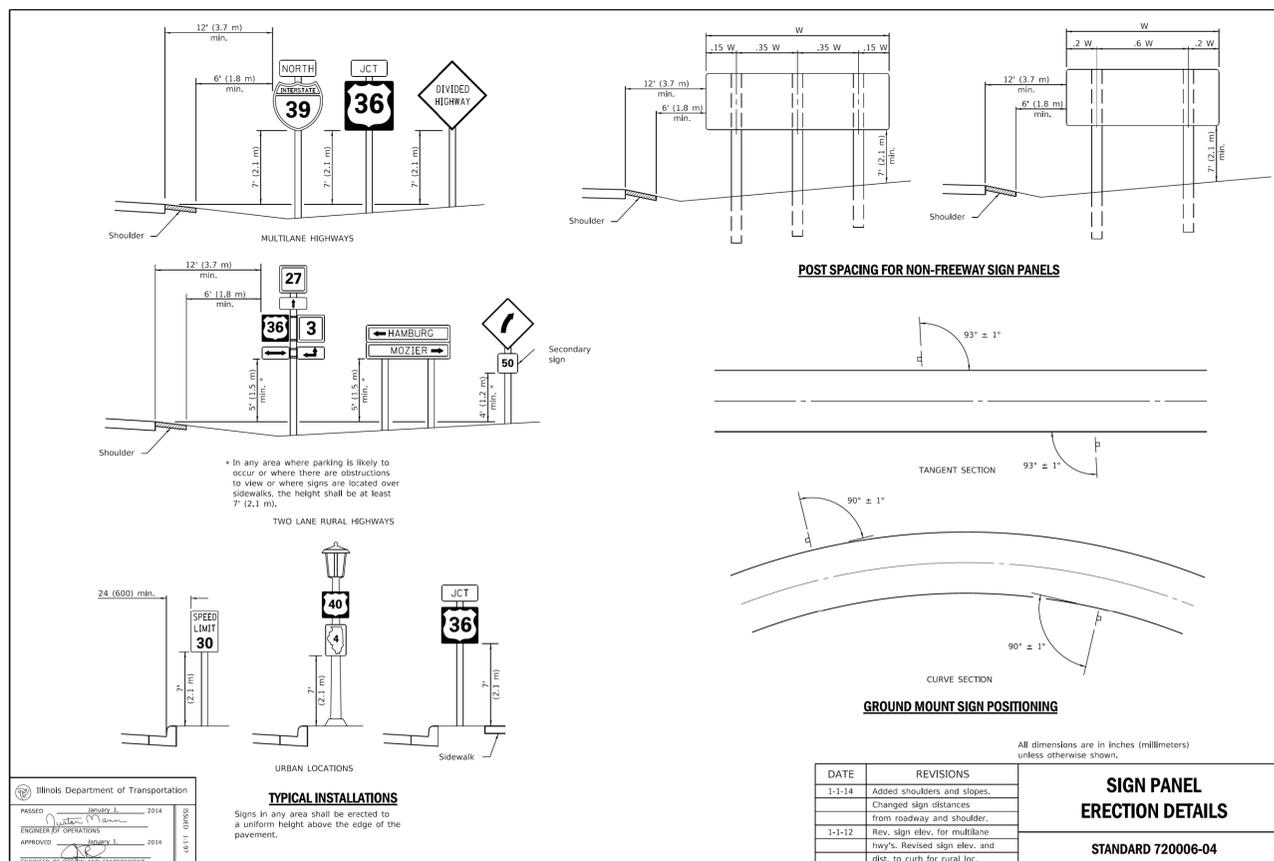
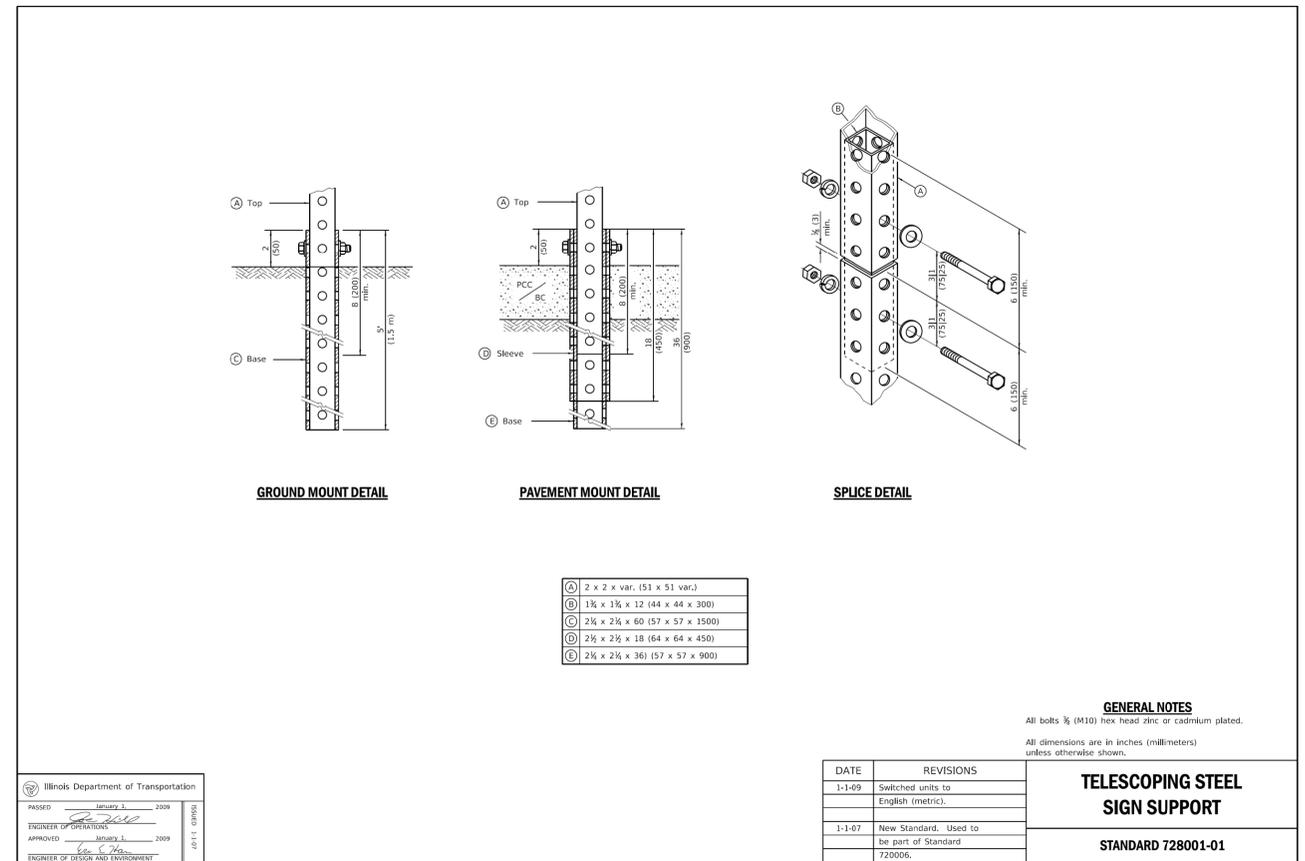
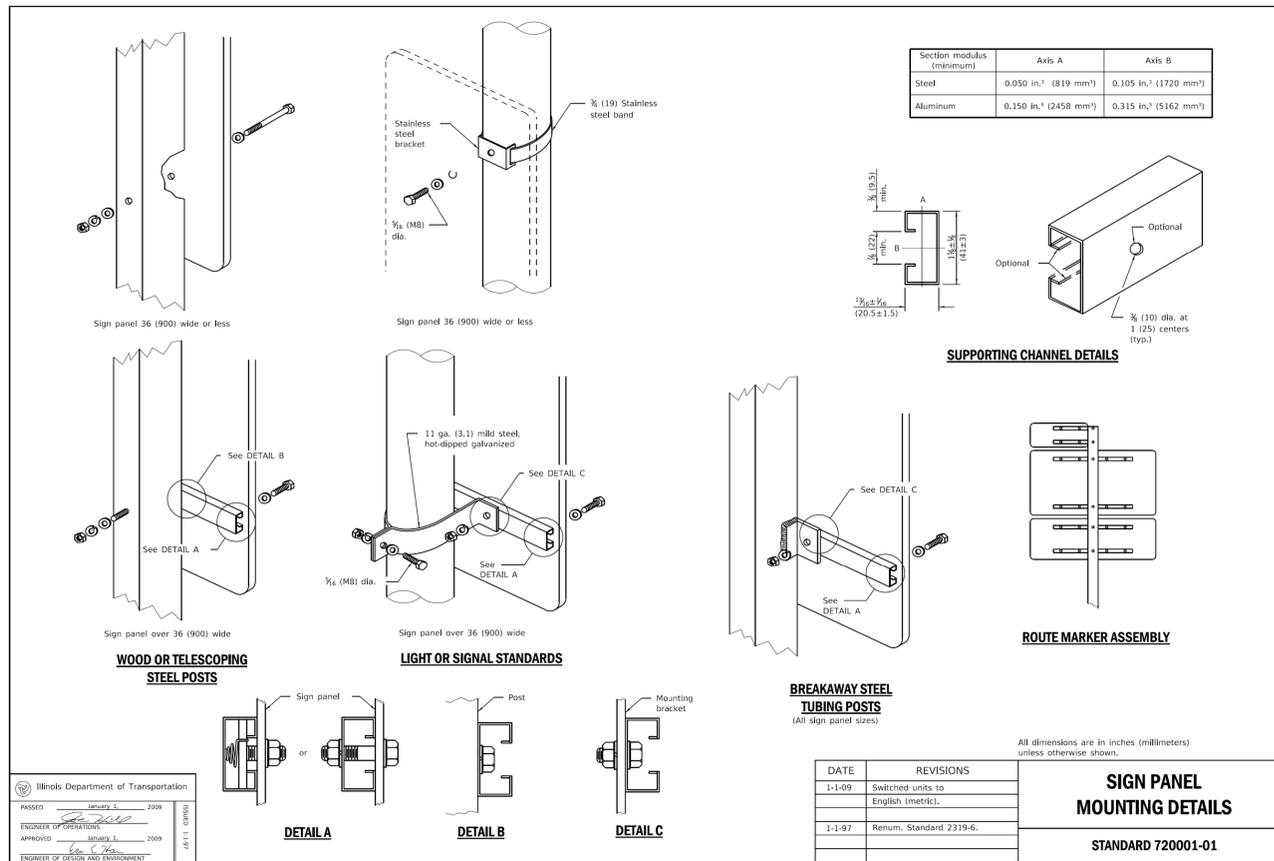




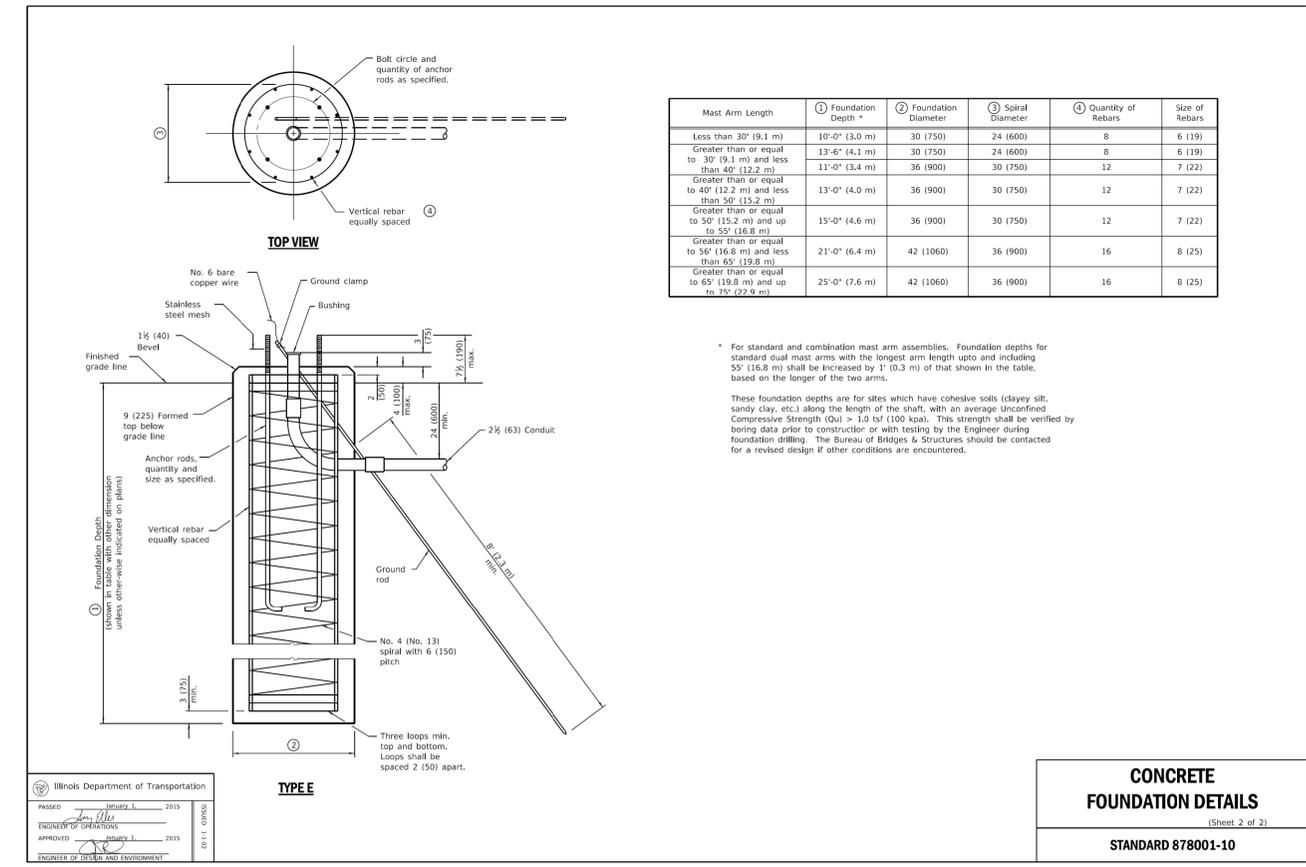
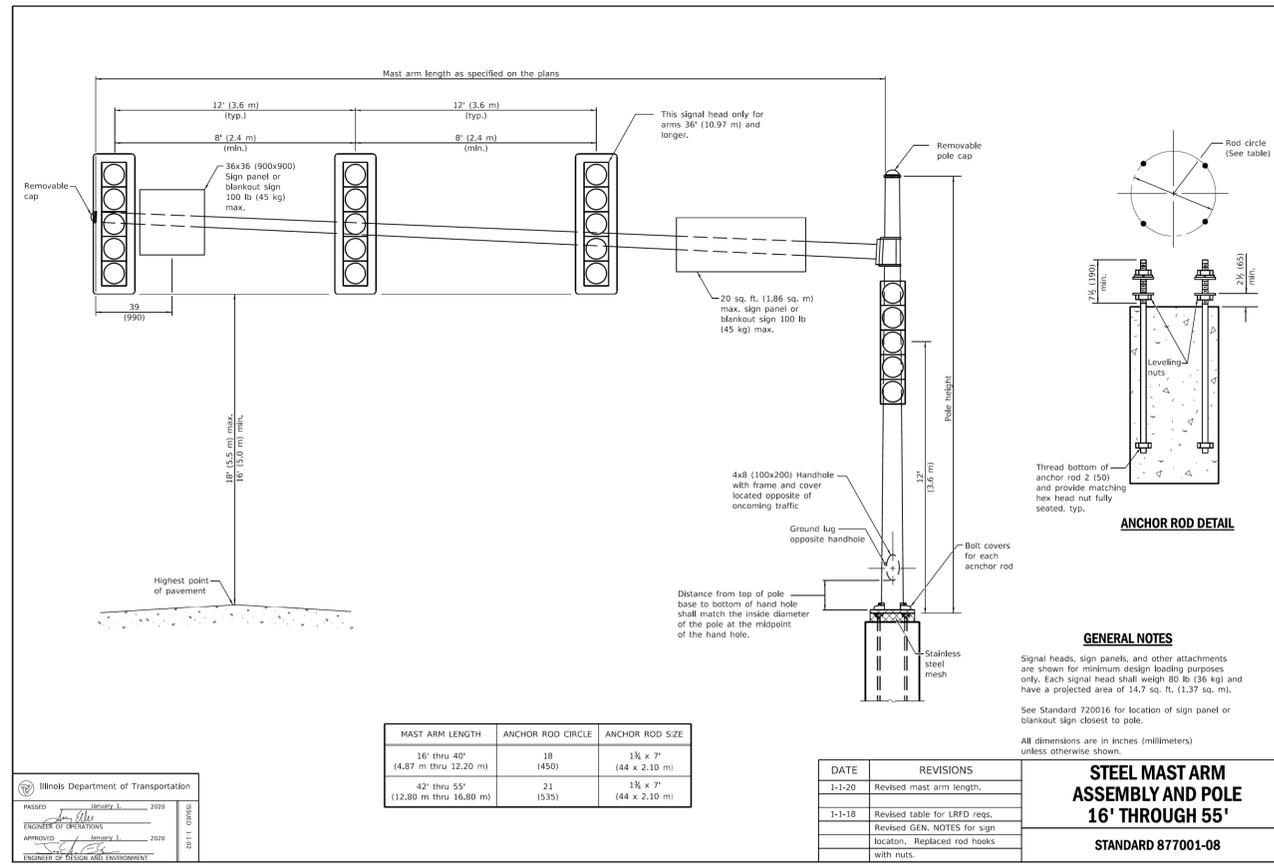
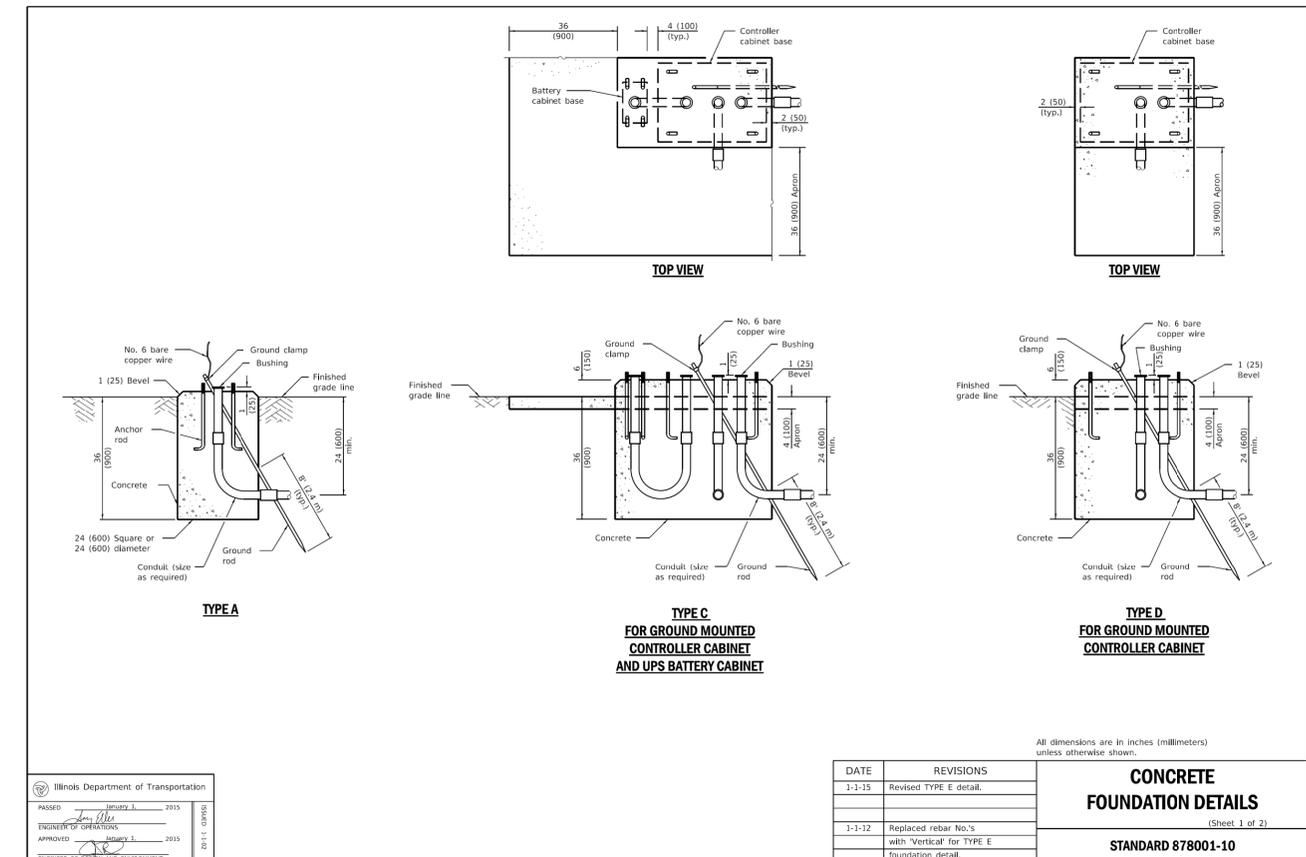
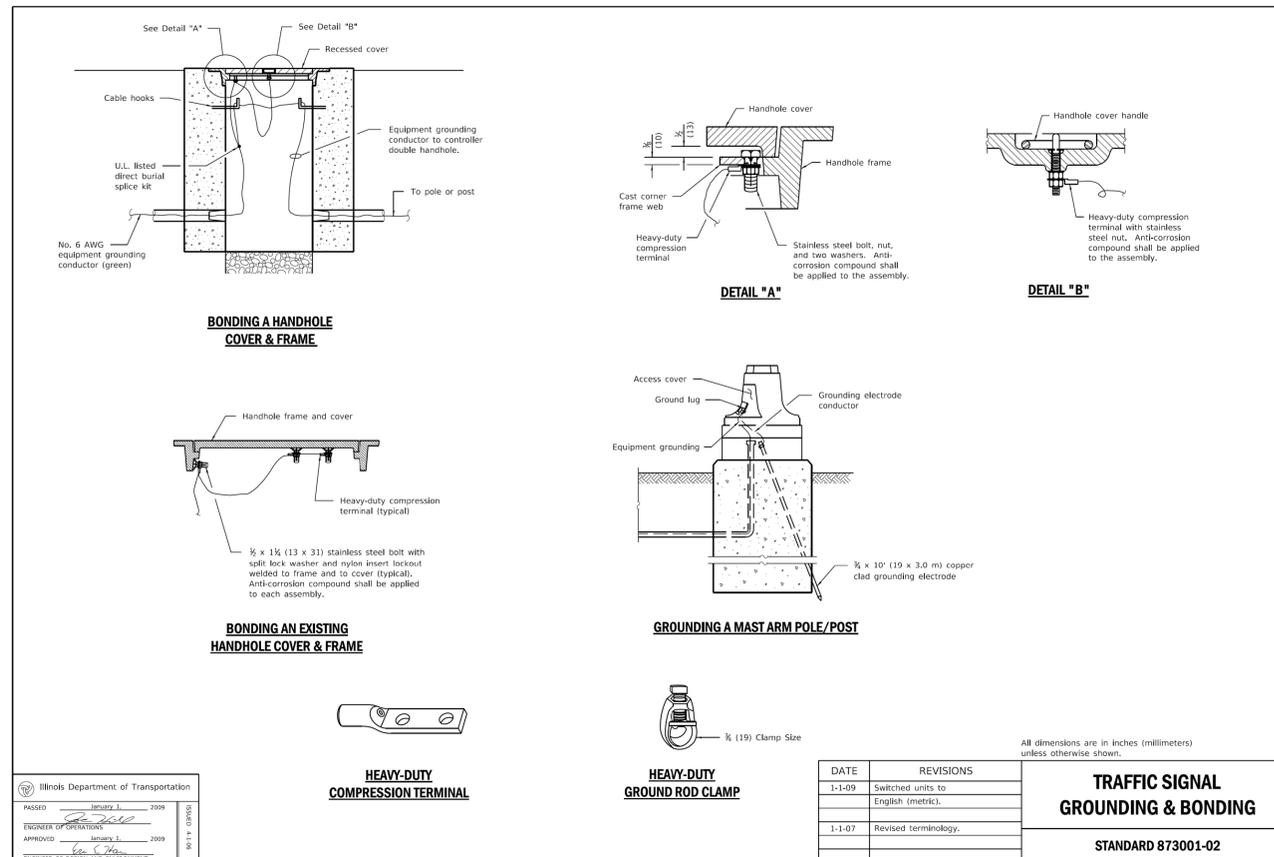


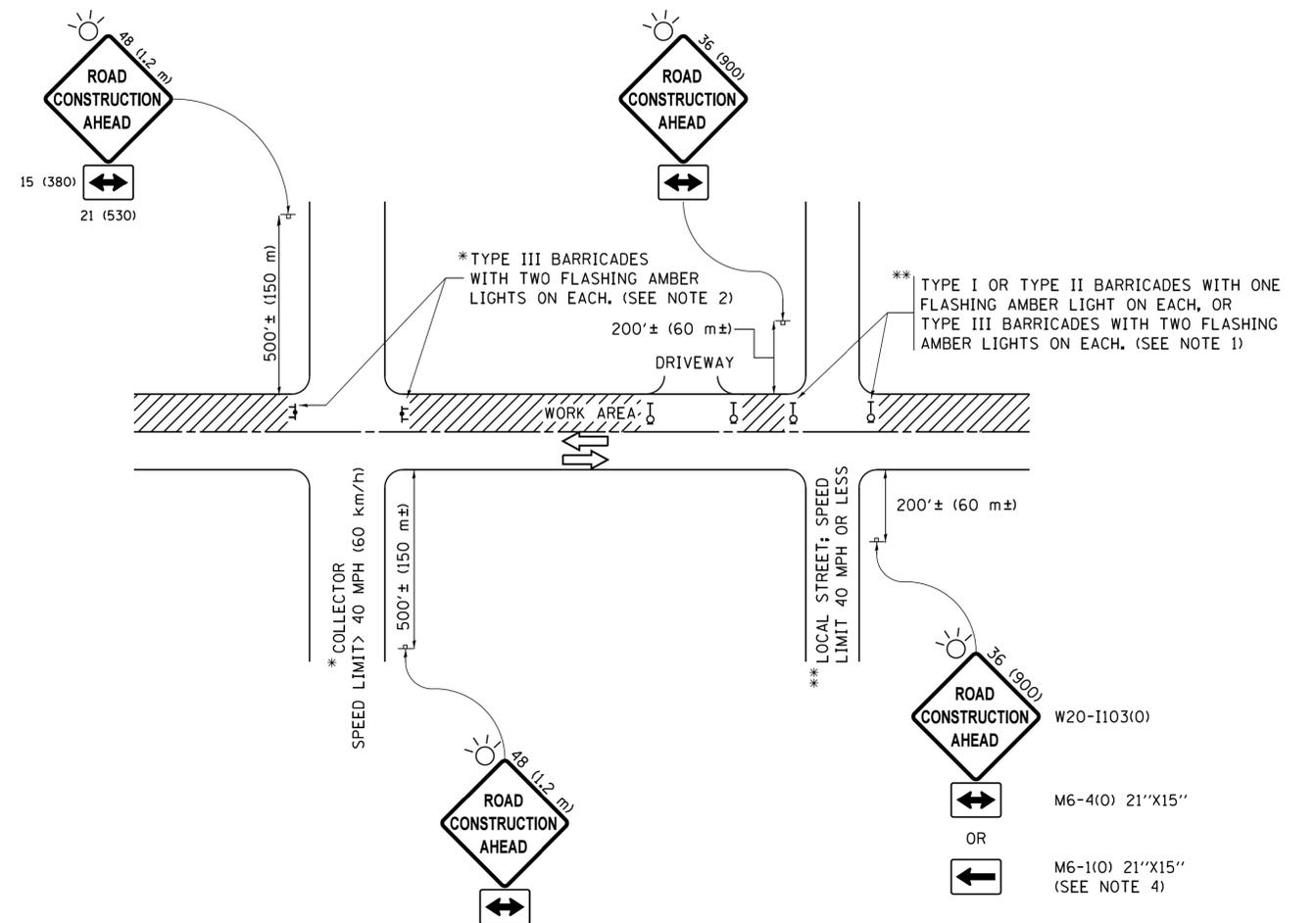






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**NOTES:**

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

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

FILE NAME =	USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
p:\j\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist	DRAWN\CADDeta\CADsheets\c10.dgn	CHECKED -	REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 50.000' / in.	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 9/15/2016		REVISED - A. SCHUETZE 09-15-16

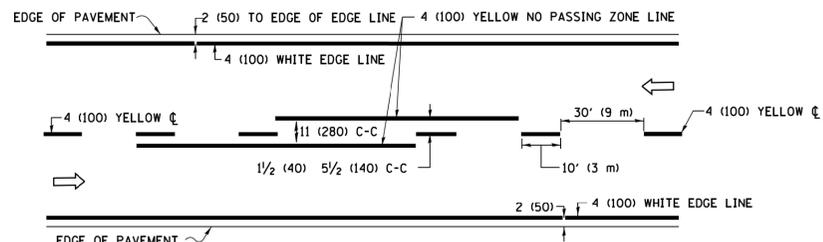
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

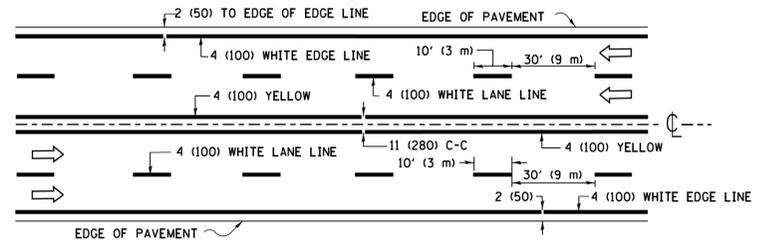
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

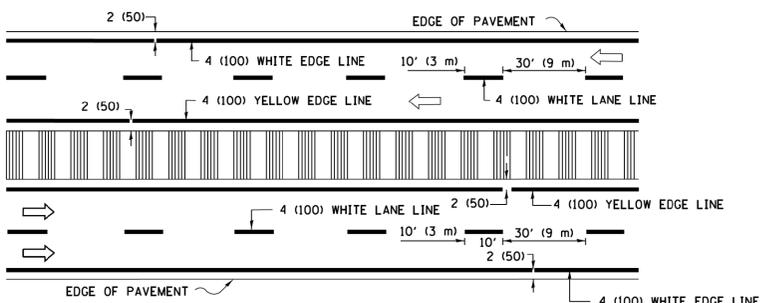




**2-LANE ROADWAY**

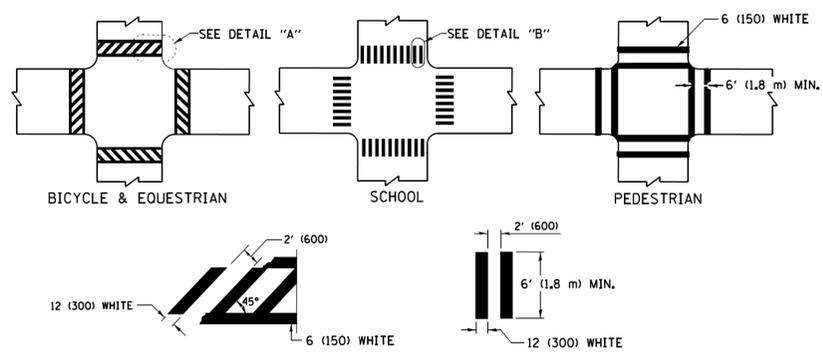


**MULTI-LANE UNDIVIDED**



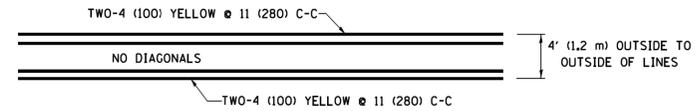
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

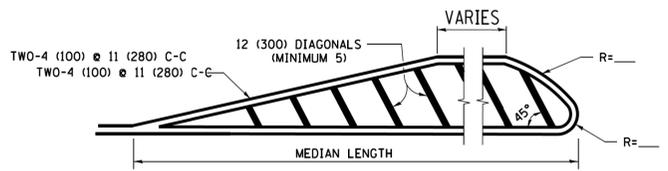


**TYPICAL CROSSWALK MARKING**

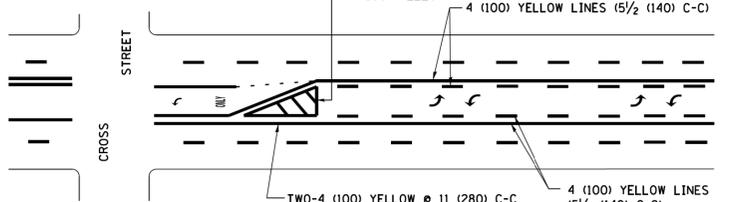
\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



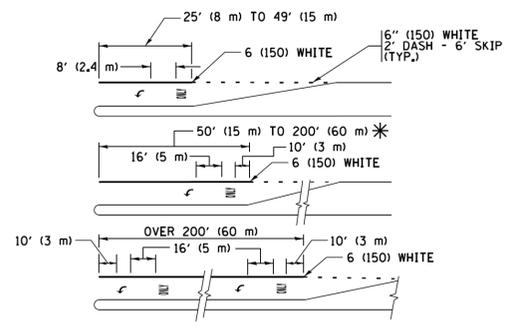
**4' (1.2 m) WIDE MEDIANS ONLY**



**MEDIANS OVER 4' (1.2 m) WIDE**



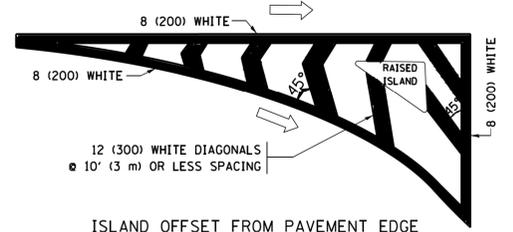
**MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING**



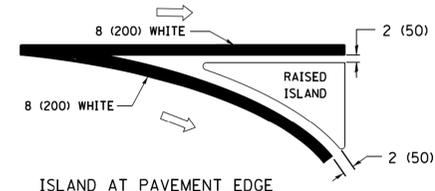
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

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

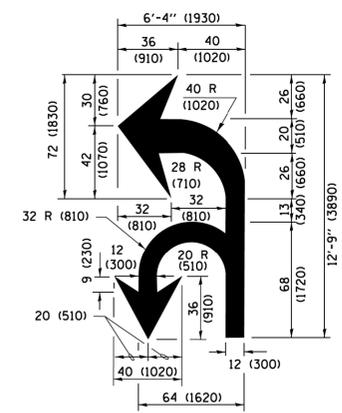
**TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING**



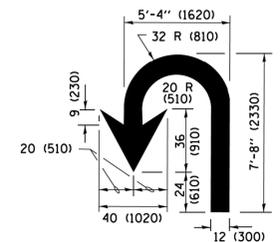
**ISLAND OFFSET FROM PAVEMENT EDGE**



**ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

**LANE REDUCTION TRANSITION**

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

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

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

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

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

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Default	PLOT SCALE = 50.000' / in.	DRAWN -	REVISED - C. JUCIUS 07-01-13
	PLOT DATE = 6/23/2017	CHECKED -	REVISED - C. JUCIUS 12-21-15
		DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE TYPICAL PAVEMENT MARKINGS**

SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT			CONTRACT NO.	