

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2951	19-00112-00-RS	KANE	43	1
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 61G24	

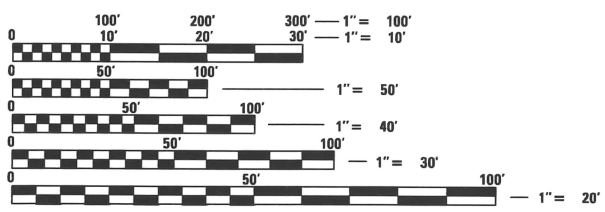
INDEX OF SHEETS

SEE SHEET 02

TRAFFIC DATA

SOUTH 7TH AVENUE
 ADT (2015) = 6,314
 ADT (2040) = 7,577
 SPEED LIMIT = 30 MPH
 MAJOR COLLECTOR

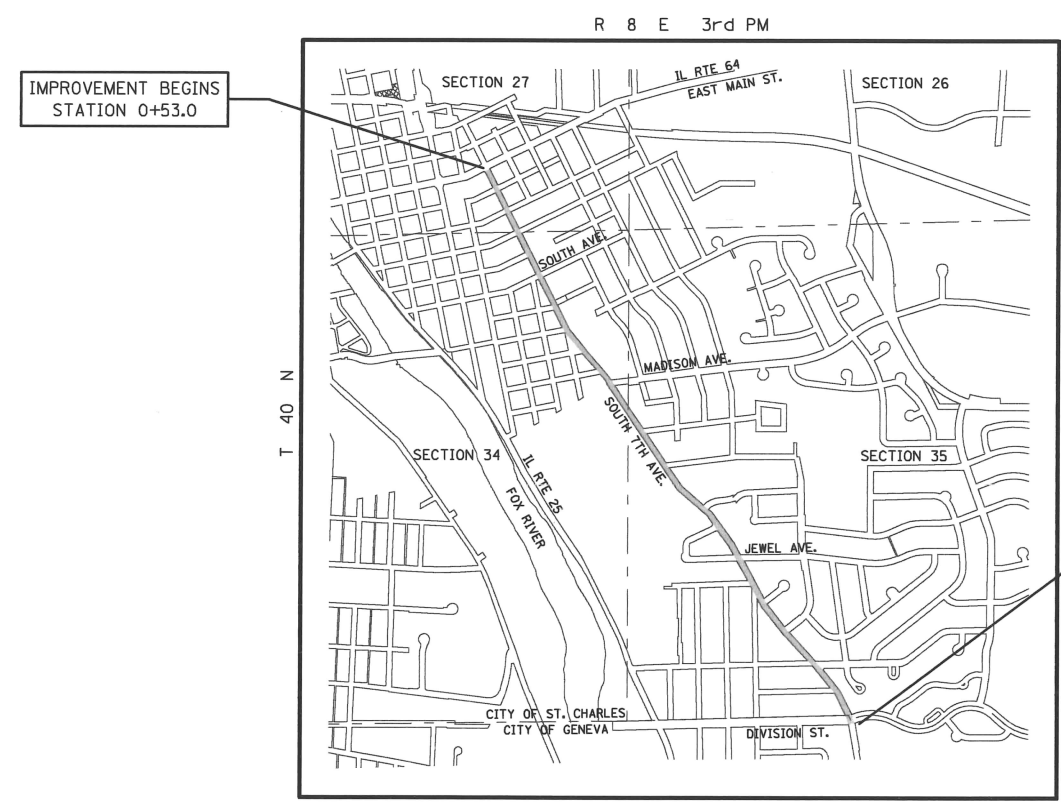
**FAU ROUTE 2951 (SOUTH 7TH AVENUE)
 IL RTE 64 TO DIVISION STREET
 RESURFACING
 SECTION NO.: 19-00112-00-RS
 PROJECT NO.: IVSJ(817)
 CITY OF ST. CHARLES
 KANE COUNTY
 C-91-387-19**



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

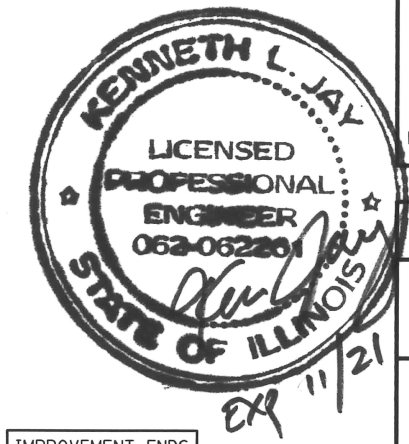
J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123
 OR 811

IDOT BUREAU OF TRAFFIC
 MEADE ELECTRIC
 773-287-7682



LOCATION MAP - SCALE : 1" = 1200'

GROSS LENGTH OF IMPROVEMENTS - SOUTH 7TH AVENUE = 7233 LINEAL FEET (1.37 MILES)
 NET LENGTH OF IMPROVEMENTS - SOUTH 7TH AVENUE = 7233 LINEAL FEET (1.37 MILES)



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

Approved: 12/18/19 [Signature] (DATE)
 City of St. Charles, Assistant Director of Public Works - Engineering (SIGNATURE)

Passed: _____ (DATE)
 District #1 Engineer of Local Roads & Streets (SIGNATURE)

Releasing for Bid Based on Limited Review: _____ (DATE)
 Regional Engineer (SIGNATURE)

**PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS**

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E., SCHAUMBURG, IL

GENERAL NOTES

SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED APRIL 1, 2016 (HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS); THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2020; THE LATEST EDITIONS OF THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS"; THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS"; THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS"; THE CITY OF ST. CHARLES SPECIFICATIONS; THE "DETAILS" IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.
- ALL REFERENCES TO "ENGINEER" SHALL BE INTERPRETED TO MEAN THE RESIDENT ENGINEER.
- PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IN ADDITION, THE CONTRACTOR MUST VERIFY THE ENGINEER'S LINE AND GRADE STAKES. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, HE MUST IMMEDIATELY REPORT SAME TO THE ENGINEER BEFORE DOING ANY WORK, OTHERWISE THE CONTRACTOR ASSUMES FULL RESPONSIBILITY. IN THE EVENT OF DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTIONS FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSIONS OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTIONS, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEED AT HIS OWN RISK AND EXPENSE. IN THE EVENT OF ANY DOUBT OR QUESTION ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE ENGINEER SHALL BE FINAL AND CONCLUSIVE.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE OR CITY PROPERTY WITHOUT WRITTEN PERMISSION FROM THE CITY.
- OFFSET LOCATIONS GIVEN IN THE PLANS FOR STRUCTURES, EDGE OF PAVEMENT, ETC. ARE FROM THE ROADWAY CENTERLINE.
- AGGREGATE BASE COURSE FOR DRIVEWAYS, SIDEWALKS, AND COMBINATION CURB & GUTTER TO BE CA-6.
- THE CONTRACTOR SHALL NOTIFY THE CITY OF ST CHARLES ENGINEER 48 HOURS PRIOR TO COMMENCEMENT OF ALL ITEMS OF WORK.
- ALL ENGINES AND ENGINE DRIVEN EQUIPMENT USED FOR HAULING OR CONSTRUCTION SHALL BE EQUIPPED WITH AN ADEQUATE MUFFLER IN CONSTANT OPERATION AND PROPERLY MAINTAINED TO PREVENT EXCESSIVE UNUSUAL NOISES. ANY MACHINE OR DEVICE OR PART THEREOF WHICH IS REGULATED BY OR BECOMES REGULATED BY FEDERAL OR STATE OF ILLINOIS NOISE STANDARDS SHALL CONFORM TO THOSE STANDARDS.
- CONSTRUCTION OPERATIONS, INCLUDING THE STARTUP OF HEAVY EQUIPMENT, SHALL NOT BEGIN BEFORE 7:00 AM. CONSTRUCTION OPERATIONS INCLUDING SITE CLEANUP, SHALL BE COMPLETED BEFORE 7:00 PM. THESE TIME RESTRICTIONS SHALL NOT APPLY TO MAINTENANCE OR OPERATION OF SAFETY AND TRAFFIC CONTROL DEVICES SUCH AS BARRICADES, SIGNS AND/OR LIGHTING, OR TO CONSTRUCTION OF AN EMERGENCY NATURE. IF THE CONTRACTOR REQUIRES ADDITIONAL TIME TO COMPLETE A PORTION OF THE WORK ON ANY GIVEN DAY OR IF THEY FORESEE THE NEED TO WORK EXTENDED HOURS FOR A NUMBER OF DAYS TO COMPLY WITH THE CONSTRUCTION SCHEDULE, THEN THEY MUST RECEIVE APPROVAL OF THE ENGINEER.
- THE CONTRACTOR SHALL SCHEDULE AND CONDUCT HIS OPERATIONS SO THAT THE CLOSURE TIME OF EXISTING DRIVEWAYS ALONG THE ROUTE OF IMPROVEMENTS IS KEPT TO A MINIMUM. ALL HOMEOWNERS SHALL BE GIVEN A MINIMUM 48-HOUR NOTICE PRIOR TO INITIAL REMOVAL OF THEIR DRIVEWAY APRON. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO KEEP DRIVEWAYS OPEN INCLUDING TEMPORARY GRADING AND PLACEMENT OF AGGREGATE.
- THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL REMOVE FROM THE JOBSITE ANY RUBBISH AND WASTE MATERIAL BY THE END OF EACH WORKING DAY. THE CONTRACTOR SHALL KEEP THE PREMISES CLEAN DURING CONSTRUCTION TO THE SATISFACTION OF THE ENGINEER, INCLUDING UTILIZATION OF A STREET SWEEPER OR HAND CLEANING AS NECESSARY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR POSTING SUITABLE ADVANCE NOTICE ON STREETS SCHEDULED TO BE RESURFACED AT LEAST 24 HOURS, BUT NOT MORE THAN 48 HOURS, PRIOR TO COMMENCEMENT OF WORK. "NO PARKING" SIGNS DISPLAYING CONSTRUCTION TIMES SHALL BE PLACED ON ROADWAYS 48 HOURS PRIOR TO PAVEMENT REMOVAL, TACK COAT, AND HMA PLACEMENT. ALL SUCH NOTICES SHALL BE REMOVED BY THE CONTRACTOR IMMEDIATELY UPON THE COMPLETION OF WORK IN EACH BLOCK.
- CONTRACTOR SHALL PROVIDE THE ENGINEER NOTIFICATION TEN (10) WORKING DAYS PRIOR TO THE REMOVAL OF ANY TREE OR SHRUB.
- EXISTING TREES AT PARKWAYS OUTSIDE OF CONSTRUCTION LIMITS SHALL REMAIN DURING THE CONSTRUCTION. ANY DAMAGE TO EXISTING TREES BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT THEIR OWN EXPENSE. NO COMPENSATION IS ALLOWED.

STORM SEWERS, WATER MAINS, AND UTILITIES

- THE CONTRACTOR MUST EXERCISE EXTREME CAUTION WHILE WORKING AROUND EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY JULIE (1-800-892-0123) A MINIMUM OF 48 HOURS BEFORE COMMENCING CONSTRUCTION FOR UTILITY LOCATIONS WITHIN THE SCOPE OF THE PROJECT. IT IS RECOMMENDED THAT THE CONTRACTOR CONDUCT A JOINT UTILITY MEET PRIOR TO COMMENCING WORK. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT AGENCIES WHO MAY OR MAY NOT BE PART OF THE JULIE SYSTEM IN ORDER TO OBTAIN THE HORIZONTAL AND VERTICAL FIELD LOCATIONS OF THEIR FACILITIES WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENTS.
- ALL UTILITY COMPANIES SHALL BE NOTIFIED AT LEAST 3 DAYS PRIOR TO THE START OF CONSTRUCTION.
- CONSTRUCTION STAKING AND IDENTIFICATION OF UTILITY REPAIR LOCATIONS MUST BE COMPLETED BY THE CONTRACTOR BEFORE COMMENCEMENT OF ALL OTHER CONTRACT WORK.
- THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTION MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWERS, AND APPURTENANCES THAT MUST BE KEPT IN OPERATION.
- THE CONTRACTOR SHALL ENSURE THAT ALL WATER SYSTEM VALVES, VALVE VAULTS, AND SANITARY SEWER MANHOLES REMAIN READILY ACCESSIBLE TO THE CITY FOR EMERGENCY OPERATIONS. THE LOCATIONS OF ALL WATER AND SANITARY FACILITIES SHALL BE MARKED AND BE READILY VISIBLE AT ALL TIMES.
- THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY COMPANIES INVOLVED WITH THE REMOVAL, TEMPORARY RELOCATION, SUPPORT, PROTECTION, RECONSTRUCTION, OR ABANDONMENT BY THESE COMPANIES OF ANY AND ALL SERVICES OR FACILITIES OWNED OR OPERATED BY THEM WITHIN THE PROJECT LIMITS.
- WHEN NEW FRAMES ARE CALLED FOR ON THE PLANS, THE EXISTING FRAMES, LIDS AND GRATES SHALL REMAIN THE PROPERTY OF THE CITY OF ST. CHARLES. THE CONTRACTOR SHALL DELIVER THE EXISTING FRAMES, LIDS AND GRATES TO THE PUBLIC WORKS FACILITY AT: 200 DEVEREAUX WAY, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL

- THE CONTRACTOR SHALL AT ALL TIMES PROVIDE PROTECTION FOR TRAFFIC AS CALLED FOR IN THE SPECIAL PROVISIONS & PLANS.
- THE CONTRACTOR SHALL MAINTAIN EXISTING SIDE STREET ACCESS AND EXISTING DRIVEWAY ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING CONSTRUCTION OF THIS PROJECT.
- ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 107.14 OF THE STANDARD SPECIFICATIONS.

EROSION CONTROL

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE KANE COUNTY AND THE CITY OF ST. CHARLES STORMWATER ORDINANCES. ALL CONSTRUCTION ACTIVITIES WILL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMIT ILR10 AND THE SWPPP DOCUMENT. THE CONTRACTOR SHALL ALSO FOLLOW THE STANDARDS AND SPECIFICATIONS IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
- SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE THE PROJECT SITE IS OTHERWISE DISTURBED.
- CLEANING OF VEHICLES AND EQUIPMENT, INCLUDING CONCRETE MIXERS, SHALL BE PERFORMED IN A MANNER TO REDUCE THE AMOUNT OF POLLUTANTS TRIBUTARY TO STORM SEWERS AND OPEN WATERS TO THE MAXIMUM EXTENT PRACTICAL.
- ALL EROSION CONTROL MEASURES SHALL BE KEPT OPERATIONAL AND MAINTAINED CONTINUOUSLY THROUGHOUT THE PERIOD OF LAND DISTURBANCE UNTIL PERMANENT SEDIMENT AND EROSION CONTROL MEASURES ARE OPERATIONAL.
- THE CONTRACTOR SHALL USE CONCRETE WASHOUT BOXES.

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
01	COVER SHEET
02	GENERAL NOTES, INDEX OF SHEETS & HIGHWAY STANDARDS
3 & 4	SUMMARY OF QUANTITIES
5	SCHEDULE OF QUANTITIES
06 - 08	TYPICAL SECTIONS
09 - 13	ROADWAY AND UTILITY PLANS
14 - 18	PAVEMENT MARKING PLANS
19	DETECTOR LOOP PLAN
20 - 33	SIDEWALK CROSSING DETAIL PLANS
34 - 36	UTILITY TYPICAL DETAILS
37 - 45	IDOT STANDARD DRAWINGS

HIGHWAY STANDARDS

STD. 000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
STD. 424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
STD. 606001-07	CONC. CURB TYPE B AND COMB. CURB AND GUTTER
STD. 701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PVT. EDGE
STD. 701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
STD. 701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
STD. 701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
STD. 701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
STD. 701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
STD. 701901-08	TRAFFIC CONTROL DEVICES
STD. 780001-05	TYPICAL PAVEMENT MARKINGS

DISTRICT 1 DETAILS

TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
TC-22	ARTERIAL ROAD INFORMATION SIGN
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD-32	BUTT JOINT AND HMA TAPER DETAILS

COMMITMENTS

THERE ARE NO COMMITMENTS FOR THIS PROJECT

FILE NAME	USER NAME =	DESIGNED - B.H.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTH 7TH AVENUE GENERAL NOTES, INDEX OF SHEETS & HIGHWAY STANDARDS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
		DRAWN - B.H.	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.	2951	19-00112-00-RS	KANE	43	2
	PLOT SCALE =	CHECKED -	REVISED -		CONTRACT NO.		61G24		FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT				
	PLOT DATE =	DATE - 12-17-2019	REVISED -													

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				STU FUNDS				CITY FUNDS
				75% FED 25% CITY	75% FED 25% CITY	75% FED 25% CITY	75% FED 25% CITY	100% CITY
				ROADWAY 0005 URBAN	ENVIRONMENT 0020 URBAN	SAFETY 0021 URBAN	LANDSCAPE 0031 URBAN	UTILITIES 0043 URBAN
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	139				139	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1099				1099	
* 25000100	SEEDING, CLASS 1	ACRE	0.227				0.227	
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	25				25	
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	25				25	
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	25				25	
25100630	EROSION CONTROL BLANKET	SQ YD	1099		1099			
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	50		50			
28000510	INLET FILTERS	EACH	77		77			
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	214	214				
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	6	6				
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	17399	17399				
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE IL-4.75, N50	TON	1083	1083				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	434	434				
40604060	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50	TON	2887	2887				
42300200	PCC DRIVEWAY PAVEMENT, 6 INCH	SQ YD	11	11				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	6762	6762				
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	265	265				
42400800	DETECTABLE WARNINGS	SQ FT	698			698		
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/2"	SQ YD	25776	25776				
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	58	58				
44000600	SIDEWALK REMOVAL	SQ FT	7283	7283				
44201729	CLASS D PATCHES, TYPE II, 7 INCH	SQ YD	133	133				
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	843	843				
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	138	138				
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	174	174				
56104800	WATER VALVES 4"	EACH	1					1
56104900	WATER VALVES 6"	EACH	2					2
56105000	WATER VALVES 8"	EACH	4					4
56400510	FIRE HYDRANTS TO BE REMOVED AND REPLACED	EACH	3					3
56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	1					1
56500700	DOMESTIC WATER SERVICE BOXES TO BE REMOVED	EACH	12					12
* 56500800	DOMESTIC WATER SERVICE BOXES	EACH	12					12

* SPECIALTY ITEM

FILE NAME	USER NAME =	DESIGNED - B.H.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTH 7TH AVENUE SUMMARY OF QUANTITIES			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - B.H.	REVISED -					2951	19-00112-00-RS	KANE	43	3
		CHECKED -	REVISED -					CONTRACT NO. 61G24				
		DATE - 12-17-2019	REVISED -					FED. AID PROJECT				
				SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.	FED. ROAD DIST. NO. 1	ILLINOIS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				STU FUNDS				CITY FUNDS	
				75% FED 25% CITY	75% FED 25% CITY	75% FED 25% CITY	75% FED 25% CITY	100% CITY	
				ROADWAY 0005 URBAN	ENVIRONMENT 0020 URBAN	SAFETY 0021 URBAN	LANDSCAPE 0031 URBAN	UTILITIES 0043 URBAN	
60248700	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5						5
60250600	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 3 FRAME AND GRATE	EACH	1	1					
60255700	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1	1					
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	12	12					
60261100	INLETS TO BE ADJUSTED WITH NEW TYPE 9 FRAME AND GRATE	EACH	2	2					
60265900	VALVE VAULTS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	3	3					
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	22	22					
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	18	18					
60300405	VALVE BOX FRAMES TO BE ADJUSTED	EACH	1	1					
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	1	1					
67100100	MOBILIZATION	L SUM	1	1					
* 70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1					
* 70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1					
* 70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1					
* 70107025	CHANGEABLE MESSAGE SIGN	CAL DAY	18	18					
70300100	SHORT TERM PAVEMENT MARKING	FOOT	8950			8950			
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1492			1492			
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS	SQ FT	138.3			138.3			
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3154			3154			
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2291			2291			
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	548			548			
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	440			440			
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	130	130					
X0326806	WASHOUT BASIN	L SUM	1	1					
X4400220	CURB REMOVAL AND REPLACEMENT	FOOT	3044	3044					
X6026052	SANITARY MANHOLES FRAME AND ADJUSTMENT SEALING	EACH	2						2
X6026622	VALVE VAULTS TO BE REMOVED	EACH	1	1					
X6026632	VALVE BOXES TO BE REMOVED	EACH	1	1					
Z0004510	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"	SQ YD	189	189					
Z0004544	HOT-MIX ASPHALT DRIVEWAY PAVEMENT REMOVAL	SQ YD	189	189					
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1					
* Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	51.4	51.4					
Z0042300	PORTLAND CEMENT CONCRETE SIDEWALK CURB	FOOT	180			180			

* SPECIALTY ITEM

UTILITY REPAIRS								
LOCATION	R&R WATER	ADJUST WATER	R&R	R&R	R&R	R&R	R&R VALVE	
STA	SIDE	SERVICE BOX	SERVICE BOX	HYDRANT	VALVE 4"	VALVE 6"	VALVE 8"	VAULT/BOX
0+90	L	1						
01+65	L	1						
03+55	L	1						
07+74	R			1				
10+88	R			1				
12+95	R		1					
33+41	L			1				
33+53	L						1	1
34+70	L	1						
41+90	L	1						
42+50	R	1						
45+70	R	1						
45+70	L	1						
46+40	L	1						
48+85	L	1						
53+10	L	1						
54+21	R						1	
54+32	L				1			1
54+43	R	1						
64+94	R				1			1
65+20	L						1	
71+52	R						1	1
71+64	R				1			1
Totals		12	1	3	1	2	4	5

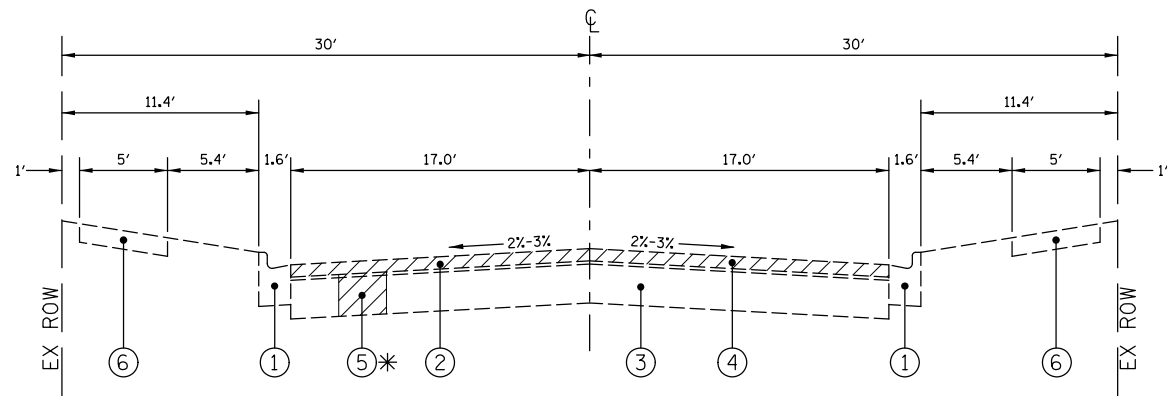
STRUCTURE ADJUSTMENTS								
LOCATION	ADJUST	ADJUST	ADJUST W/	ADJUST W/	ADJUST W/	ADJUST W/	ADJUST W/	ADJUST VB W/
STA	SIDE	F&L	F&G	NEW T1 F&OL	NEW T1 F&CL	NEW TY3 F&G	NEW TY9 F&G	NEW F&L
02+71	CENTER	1						
05+32	CENTER	1						
07+95	CENTER	1						
10+54	CENTER	1						
13+04	CENTER				1			
13+19	CENTER	1						
13+20	R				1			
40+66	R				1			
43+83	CENTER	1						
44+62	CENTER				1			
46+15	CENTER	1						
48+07	CENTER	1						
50+96	CENTER				1			
64+05	L	1						
64+37	R	1						
64+84	L				1			
02+61	L				1			
02+80	R	1						
03+06	R							1
05+24	L	1						
07+81	L	1						
07+88	L	1						
10+64	R	1						
13+06	L	1						
13+15	L				1			
37+94	L	1						
68+33	R				1			
02+51	L		1					
02+53	R		1					
02+56	R		1					
02+87	R		1					
05+08	R						1	
05+19	R		1					
05+19	L				1			
07+73	R		1					
07+75	L		1					
07+76	L				1			
07+76	R		1					
10+42	L					1		
13+01	R			1				
17+12	R						1	
21+97	L		1					
27+22	R		1					
33+45	R		1					
40+62	R		1					
44+80	R		1					
51+16	R		1					
55+14	R		1					
60+01	L	1						
60+15	L		1					
60+51	L		1					
62+54	R		1					
64+16	L		1					
67+07	R		1					
68+29	R		1					
68+87	R					1		
70+39	R					1		
71+69	R					1		
72+00	R		1					
72+39	R					1		
Totals		18	22	1	15	1	2	1

FILE NAME	USER NAME =	DESIGNED - B.H.	REVISED -
		DRAWN - B.H.	REVISED -
	PLOT SCALE =	CHECKED -	REVISED -
	PLOT DATE =	DATE - 12-17-2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SOUTH 7TH AVENUE SCHEDULE OF QUANTITIES			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2951	19-00112-00-RS	KANE	43	5
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 61G24 FED. AID PROJECT	



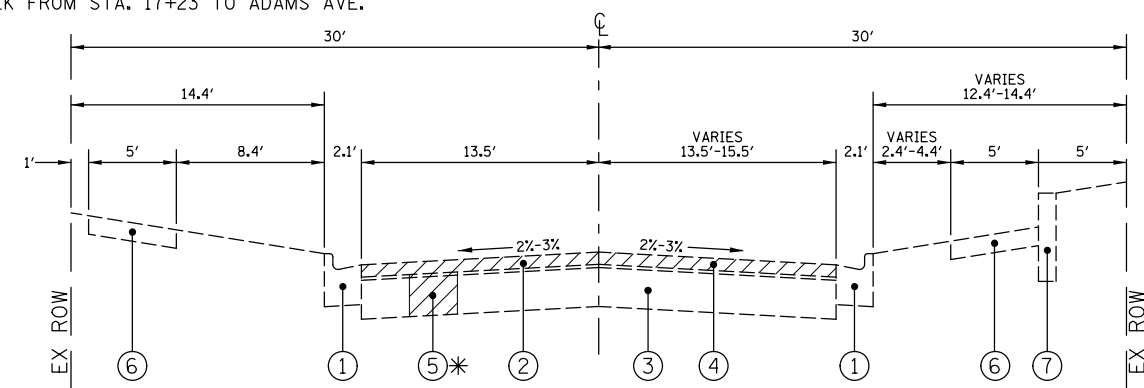
EXISTING TYPICAL CROSS SECTION

7TH AVENUE, STA. 0+53 (E. MAIN ST.) TO STA. 13+18 (SOUTH AVE.)

- ① EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B6.12
- ② EXISTING HOT-MIX ASPHALT SURFACE, 3" TO 4-1/2"
- ③ EXISTING HOT-MIX ASPHALT BINDER COURSE, 8-1/2" TO 10-1/4"
- ④ HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/2"
- ⑤ REMOVAL FOR PAVEMENT PATCHING
- ⑥ EXISTING PCC SIDEWALK

CORES: PC1 & PC2

NO SIDEWALK FROM STA. 17+23 TO ADAMS AVE.



EXISTING TYPICAL CROSS SECTION

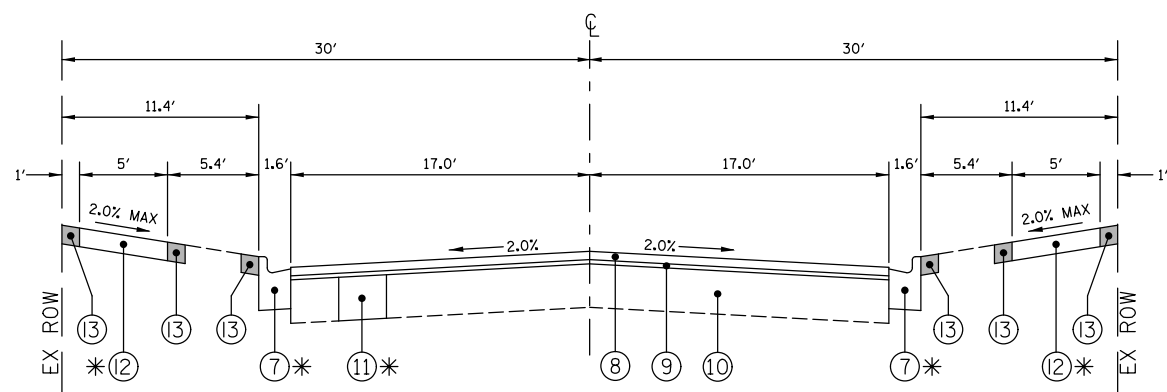
7TH AVENUE, STA. 13+18 (SOUTH AVE.) TO STA. 19+57 (ADAMS AVE.)

- ① EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B6.18
- ② EXISTING HOT-MIX ASPHALT SURFACE, 4"
- ③ EXISTING HOT-MIX ASPHALT BINDER COURSE, 8-3/4"
- ④ HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/2"
- ⑤ REMOVAL FOR PAVEMENT PATCHING
- ⑥ EXISTING PCC SIDEWALK
- ⑦ EXISTING PCC RETAINING WALL, STA. 13+50 TO 16+51

CORE: PC3

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR Voids @ Ndes
PAVEMENT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50	4% @ 50 Gyr.
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE IL-4.75, N50	3.5% @ 50 Gyr.
DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 3"	4% @ 50 Gyr.
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19.0, N50)	4% @ 50 Gyr.

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

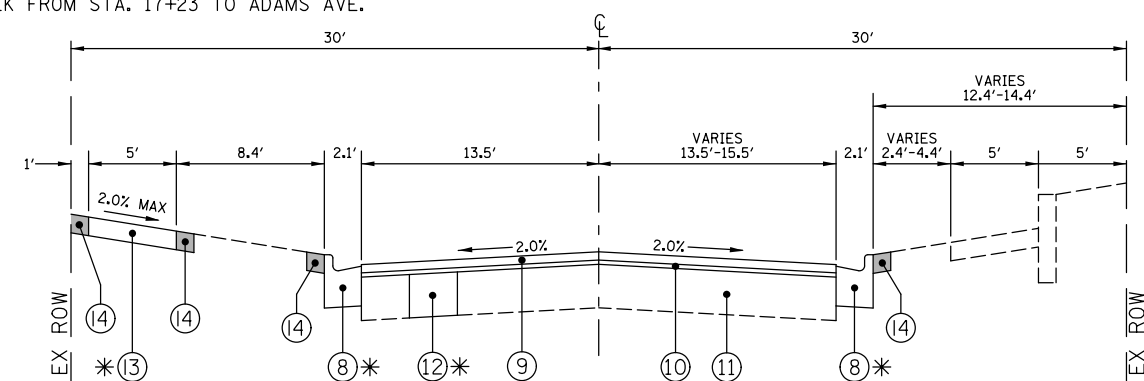


PROPOSED TYPICAL CROSS SECTION

7TH AVENUE, STA. 0+53 (E. MAIN ST.) TO STA. 13+18 (SOUTH AVE.)

- ⑦ PROP. COMB. CURB & GUTTER TYPE B6.12
- ⑧ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"
- ⑨ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- ⑩ EXISTING HOT-MIX ASPHALT SURFACE & BINDER COURSE, TO REMAIN
- ⑪ PROPOSED CLASS D PATCHING
- ⑫ PROPOSED 5" PCC SIDEWALK, 6" THRU DRIVEWAYS
- ⑬ PARKWAY TO BE RESTORED WITH 4" TOPSOIL AND SEED

NO SIDEWALK FROM STA. 17+23 TO ADAMS AVE.



PROPOSED TYPICAL CROSS SECTION

7TH AVENUE, STA. 13+18 (SOUTH AVE.) TO STA. 19+57 (ADAMS AVE.)

- ⑧ PROP. COMB. CURB & GUTTER TYPE B6.18
- ⑨ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"
- ⑩ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- ⑪ EXISTING HOT-MIX ASPHALT SURFACE & BINDER COURSE, TO REMAIN
- ⑫ PROPOSED CLASS D PATCHING
- ⑬ PROPOSED 5" PCC SIDEWALK, 6" THRU DRIVEWAYS
- ⑭ PARKWAY TO BE RESTORED WITH 4" TOPSOIL AND SEED (TYP)

LEGEND	
	REMOVAL ITEM
*	LOCATIONS AS SHOWN ON PLANS OR AS DETERMINED BY FIELD ENGINEER

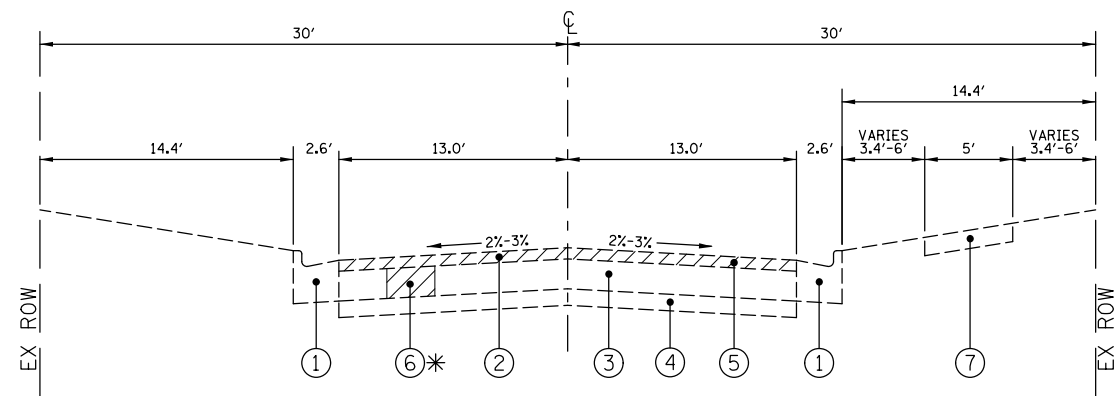
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		DRAWN - B.H.	REVISED -
	PLOT SCALE =	CHECKED -	REVISED -
	PLOT DATE =	DATE - 12-17-2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOUTH 7TH AVENUE
TYPICAL SECTIONS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2951	19-00112-00-RS	KANE	43	6
CONTRACT NO.			61G24	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

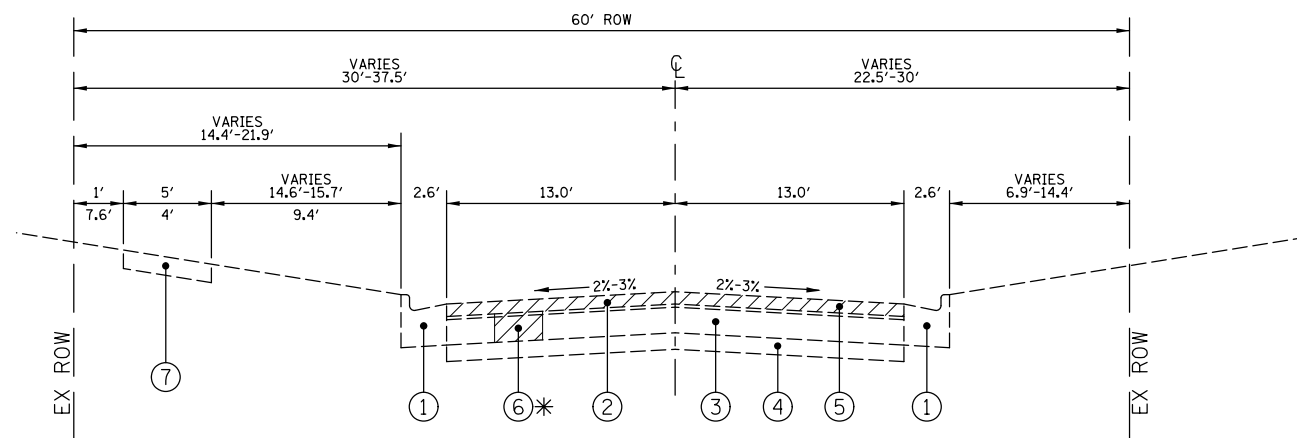


EXISTING TYPICAL CROSS SECTION
7TH AVENUE, STA. 19+57 (ADAMS AVE.) TO STA. 27+38

- ① EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B6.24
- ② EXISTING HOT-MIX ASPHALT SURFACE, 2-1/4"
- ③ EXISTING HOT-MIX ASPHALT BINDER COURSE, 9"
- ④ EXISTING AGGREGATE BASE COURSE, 6-3/4"
- ⑤ HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/2"
- ⑥ REMOVAL FOR PAVEMENT PATCHING
- ⑦ EXISTING PCC SIDEWALK

CORE: PC4

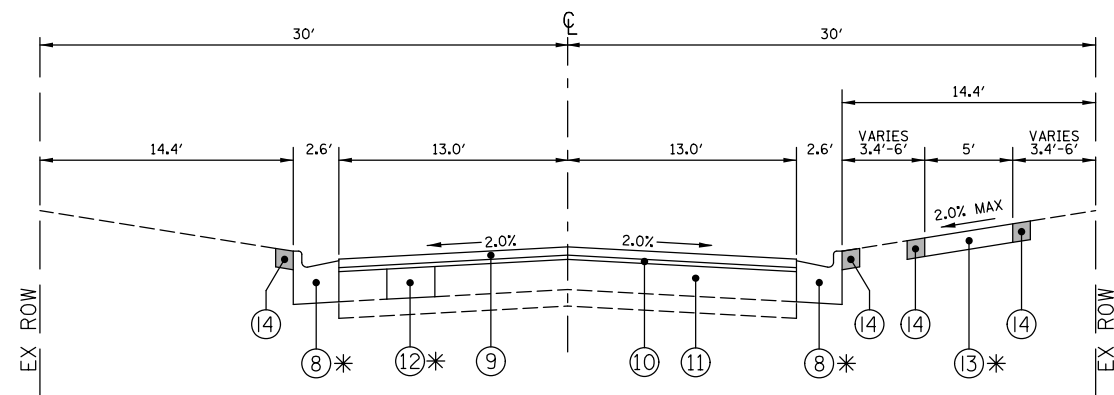
NO SIDEWALK FROM MADISON AVE. TO STA. 30+57
5' WIDE SIDEWALK FROM STA. 30+57 TO FERN AVE.
4' WIDE SIDEWALK FROM FERN AVE TO STA. 35+17
NO SIDEWALK FROM STA. 35+17 TO RONZHEIMER AVE.



EXISTING TYPICAL CROSS SECTION
7TH AVENUE, STA. 27+38 TO STA. 38+17 (RONZHEIMER AVE.)

- ① EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B6.24
- ② EXISTING HOT-MIX ASPHALT SURFACE, 3-3/4"
- ③ EXISTING HOT-MIX ASPHALT BINDER COURSE, 5-3/4"
- ④ EXISTING AGGREGATE BASE COURSE, 5-3/4"
- ⑤ HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/2"
- ⑥ REMOVAL FOR PAVEMENT PATCHING
- ⑦ EXISTING PCC SIDEWALK

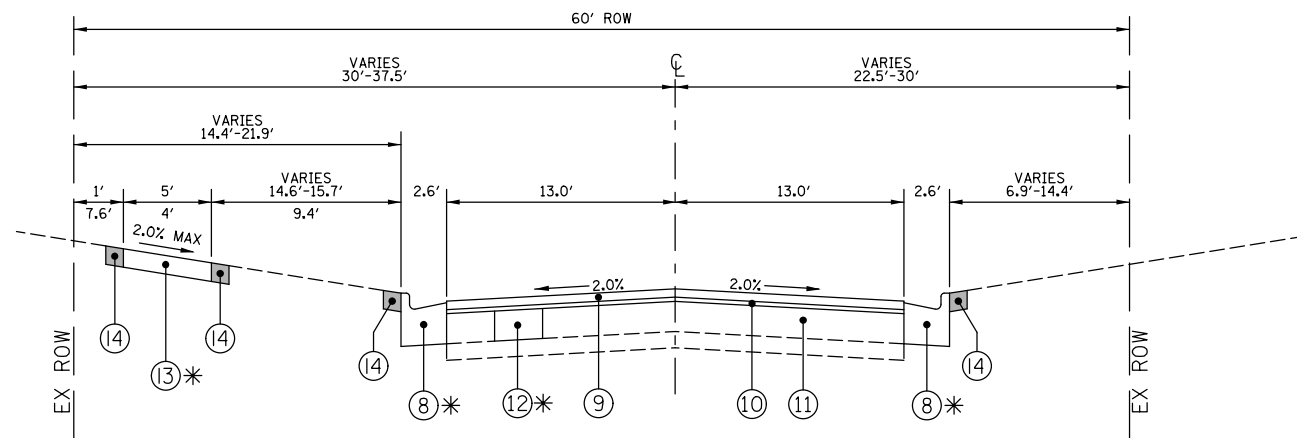
CORE: PC5



PROPOSED TYPICAL CROSS SECTION
7TH AVENUE, STA. 19+57 (ADAMS AVE.) TO STA. 27+38

- ⑧ PROP. COMB. CURB & GUTTER TYPE B6.24
- ⑨ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"
- ⑩ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- ⑪ EXISTING HOT-MIX ASPHALT BINDER COURSE, TO REMAIN
- ⑫ PROPOSED CLASS D PATCHING
- ⑬ PROPOSED 5" PCC SIDEWALK, 6" THRU DRIVEWAYS
- ⑭ PARKWAY TO BE RESTORED WITH 4" TOPSOIL AND SEED

NO SIDEWALK FROM MADISON AVE. TO STA. 30+57
5' WIDE SIDEWALK FROM STA. 30+57 TO FERN AVE.
4' WIDE SIDEWALK FROM FERN AVE TO STA. 35+17
NO SIDEWALK FROM STA. 35+17 TO RONZHEIMER AVE.



PROPOSED TYPICAL CROSS SECTION
7TH AVENUE, STA. 27+38 TO STA. 38+17 (RONZHEIMER AVE.)

- ⑧ PROP. COMB. CURB & GUTTER TYPE B6.24
- ⑨ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"
- ⑩ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- ⑪ EXISTING HOT-MIX ASPHALT SURFACE & BINDER COURSE, TO REMAIN
- ⑫ PROPOSED CLASS D PATCHING
- ⑬ PROPOSED 5" PCC SIDEWALK, 6" THRU DRIVEWAYS
- ⑭ PARKWAY TO BE RESTORED WITH 4" TOPSOIL AND SEED

LEGEND

REMOVAL ITEM

* LOCATIONS AS SHOWN ON PLANS OR AS DETERMINED BY FIELD ENGINEER

FILE NAME	USER NAME =	DESIGNED - K.J. & B.H.	REVISED -
		DRAWN - B.H.	REVISED -
	PLOT SCALE =	CHECKED -	REVISED -
	PLOT DATE =	DATE - 12-17-2019	REVISED -

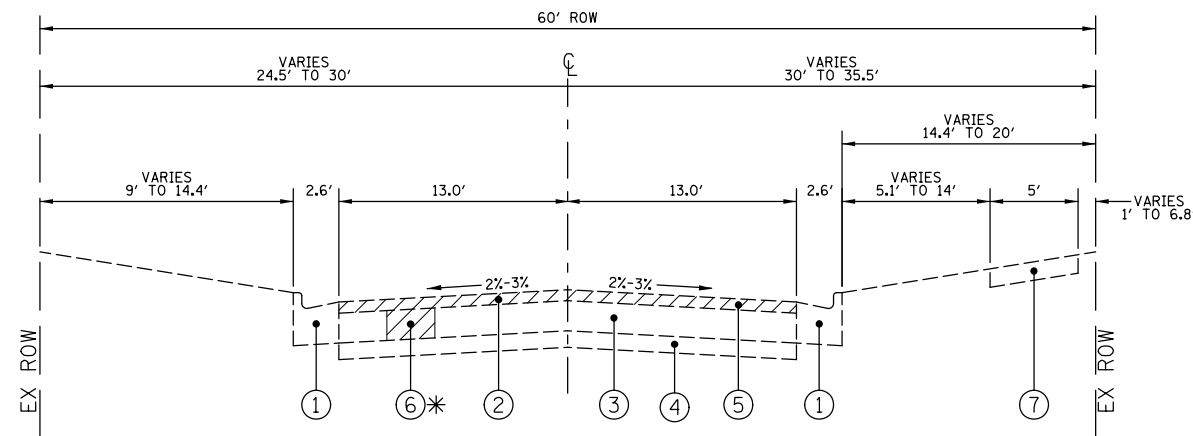
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOUTH 7TH AVENUE
TYPICAL SECTIONS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2951	19-00112-00-RS	KANE	43	7
CONTRACT NO. 61G24			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

NO SIDEWALK FROM ADAMS AVE. TO STA. 30+57
 NO SIDEWALK FROM STA. 35+17 TO EDWARD AVE.



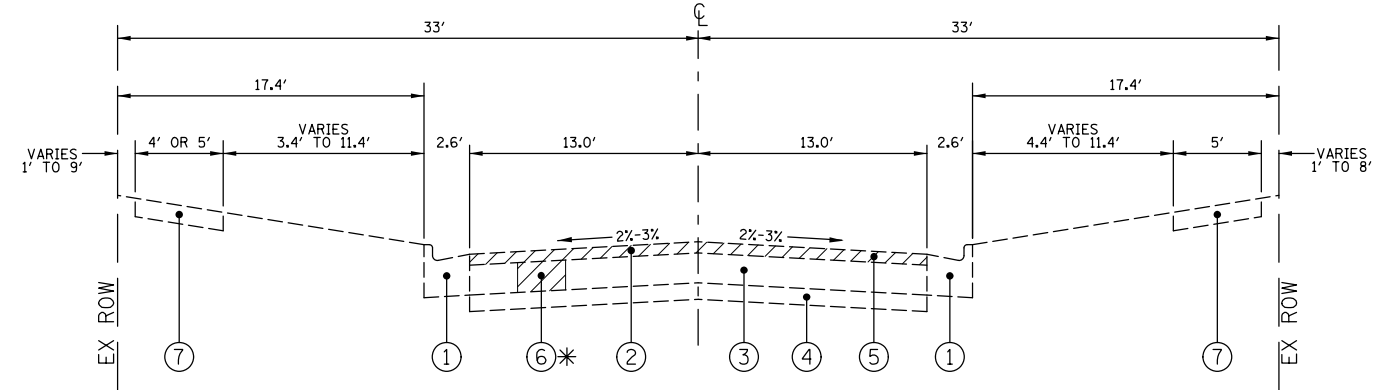
EXISTING TYPICAL CROSS SECTION

7TH AVENUE, STA. 38+17 (RONZHEIMER AVE.) TO STA. 44+40 (EDWARD AVE.)

- ① EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B6.24
- ② EXISTING HOT-MIX ASPHALT SURFACE, 2" TO 3-3/4"
- ③ EXISTING HOT-MIX ASPHALT BINDER COURSE, 5-3/4" TO 10-3/4"
- ④ EXISTING AGGREGATE BASE COURSE, 5-1/2" TO 5-3/4"
- ⑤ HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/2"
- ⑥ REMOVAL FOR PAVEMENT PATCHING
- ⑦ EXISTING PCC SIDEWALK

CORES: PC5 & PC6

5' WIDE SIDEWALK FROM STA. 45+17 TO S. 13TH AVE.
 4' WIDE SIDEWALK FROM S. 13TH AVE. TO MOORE AVE.
 5' WIDE SIDEWALK FROM MOORE AVE. TO DIVISION ST.



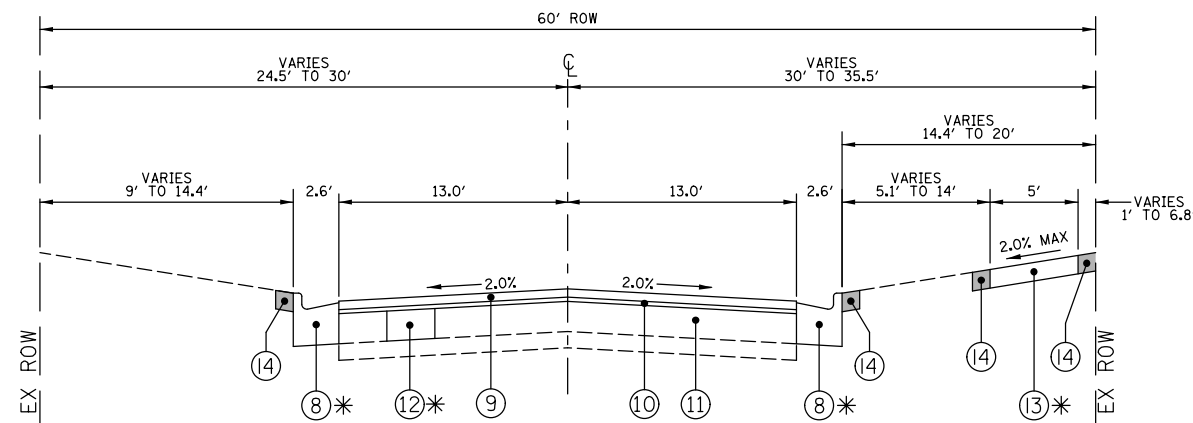
EXISTING TYPICAL CROSS SECTION

7TH AVENUE, STA. 44+40 (EDWARD AVE.) TO STA. 72+56 (DIVISION ST.)

- ① EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B6.24
- ② EXISTING HOT-MIX ASPHALT SURFACE, 1-1/4" TO 3-1/2"
- ③ EXISTING HOT-MIX ASPHALT BINDER COURSE, 8" TO 11"
- ④ EXISTING AGGREGATE BASE COURSE, 0" TO 8-3/4"
- ⑤ HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/2"
- ⑥ REMOVAL FOR PAVEMENT PATCHING
- ⑦ EXISTING PCC SIDEWALK

CORES: PC6 THRU PC9

NO SIDEWALK FROM ADAMS AVE. TO STA. 30+57
 NO SIDEWALK FROM STA. 35+17 TO EDWARD AVE.

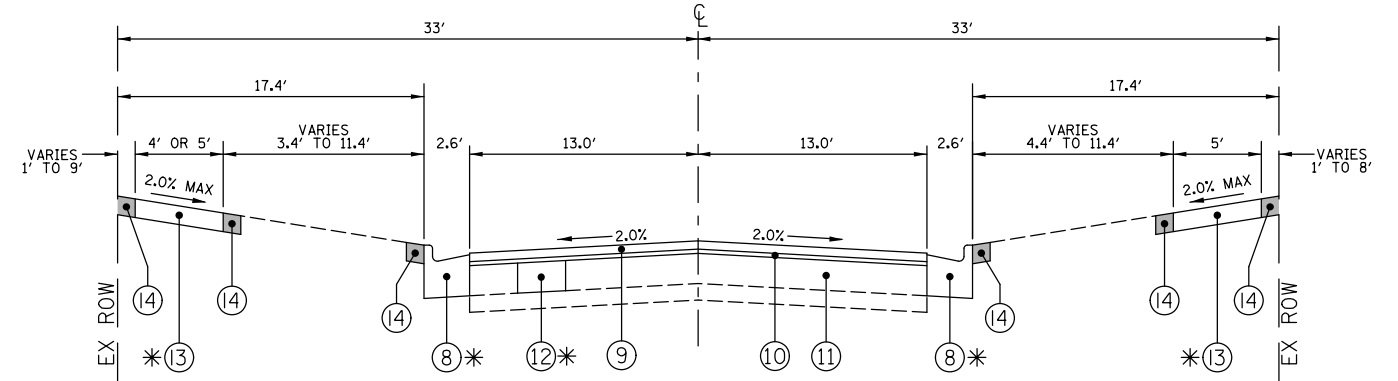


PROPOSED TYPICAL CROSS SECTION

7TH AVENUE, STA. 38+17 (RONZHEIMER AVE.) TO STA. 44+40 (EDWARD AVE.)

- ⑧ PROP. COMB. CURB & GUTTER TYPE B6.24
- ⑨ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"
- ⑩ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- ⑪ EXISTING HOT-MIX ASPHALT SURFACE & BINDER COURSE, TO REMAIN
- ⑫ PROPOSED CLASS D PATCHING
- ⑬ PROPOSED 5" PCC SIDEWALK, 6" THRU DRIVEWAYS
- ⑭ PARKWAY TO BE RESTORED WITH 4" TOPSOIL AND SEED

5' WIDE SIDEWALK FROM STA. 45+17 TO S. 13TH AVE.
 4' WIDE SIDEWALK FROM S. 13TH AVE. TO MOORE AVE.
 5' WIDE SIDEWALK FROM MOORE AVE. TO DIVISION ST.



PROPOSED TYPICAL CROSS SECTION

7TH AVENUE, STA. 44+40 (EDWARD AVE.) TO STA. 72+56 (DIVISION ST.)

- ⑧ PROP. COMB. CURB & GUTTER TYPE B6.24
- ⑨ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"
- ⑩ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- ⑪ EXISTING HOT-MIX ASPHALT SURFACE & BINDER COURSE, TO REMAIN
- ⑫ PROPOSED CLASS D PATCHING
- ⑬ PROPOSED 5" PCC SIDEWALK, 6" THRU DRIVEWAYS
- ⑭ PARKWAY TO BE RESTORED WITH 4" TOPSOIL AND SEED

LEGEND

REMOVAL ITEM

* LOCATIONS AS SHOWN ON PLANS OR AS DETERMINED BY FIELD ENGINEER

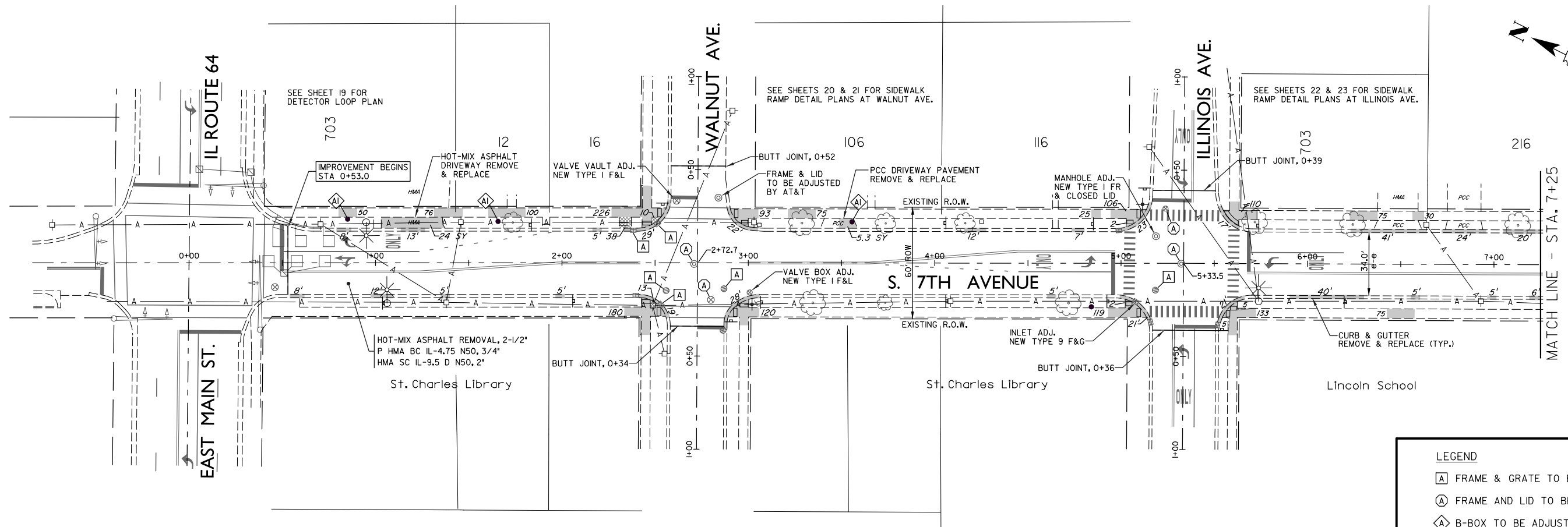
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	PLOT SCALE =	CHECKED -	REVISED -
	PLOT DATE =	DATE - 12-17-2019	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SOUTH 7TH AVENUE
 TYPICAL SECTIONS**

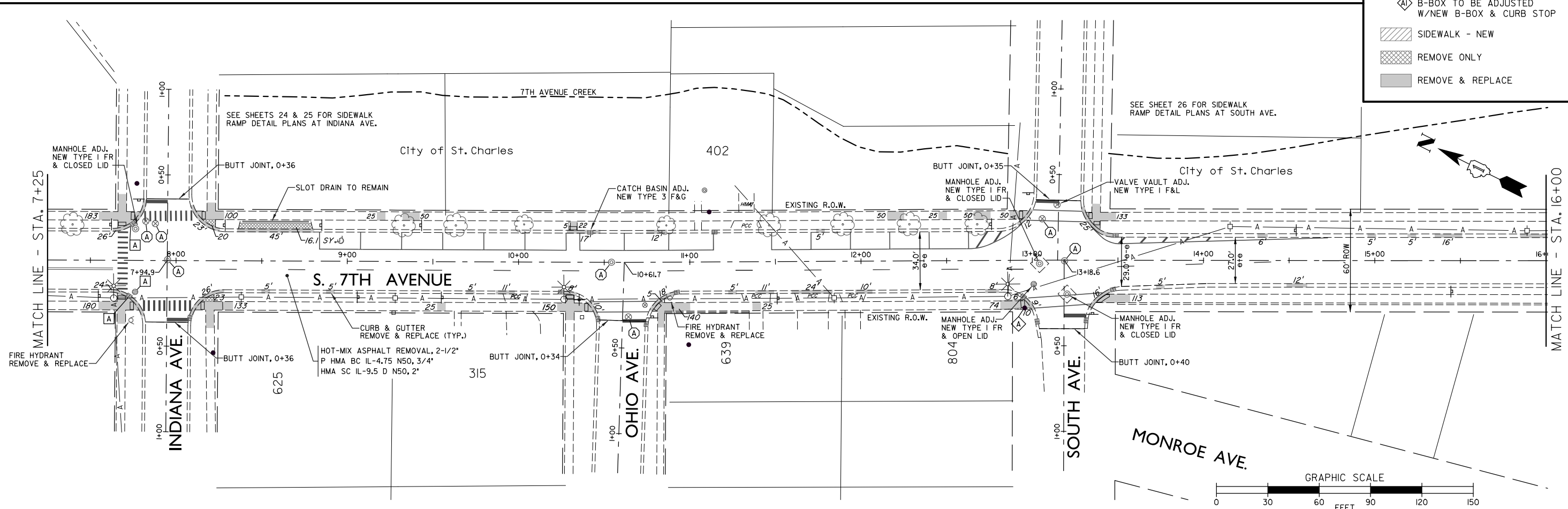
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2951	19-00112-00-RS	KANE	43	8
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G24	

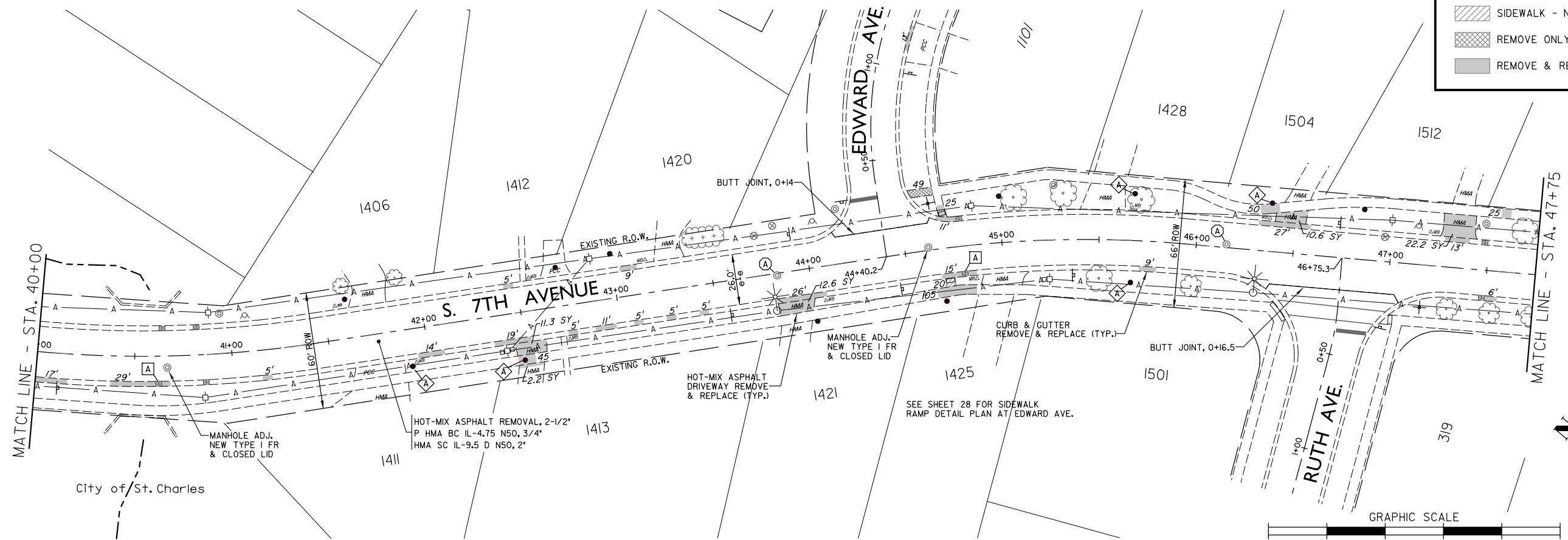
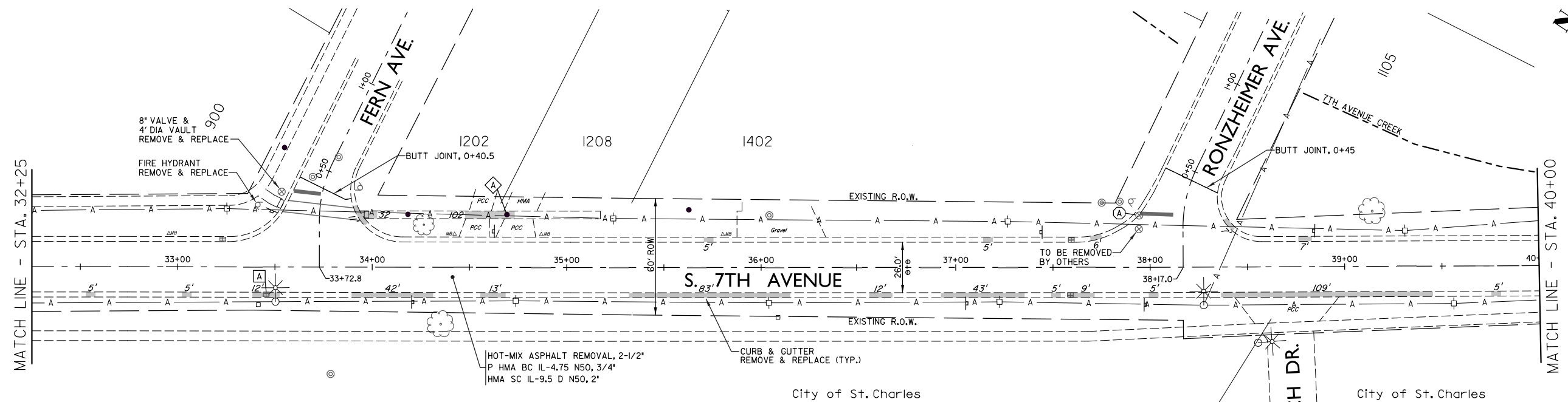


LEGEND

- [A] FRAME & GRATE TO BE ADJUSTED
- (A) FRAME AND LID TO BE ADJUSTED
- ◇ B-BOX TO BE ADJUSTED
- ◇ B-BOX TO BE ADJUSTED W/NEW B-BOX & CURB STOP
- [Hatched Box] SIDEWALK - NEW
- [Cross-hatched Box] REMOVE ONLY
- [Solid Grey Box] REMOVE & REPLACE

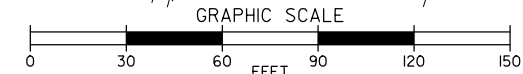


FILE NAME	USER NAME =	DESIGNED - B.H.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTH 7TH AVENUE ROADWAY AND UTILITY PLAN			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - B.H.	REVISED -		2951	19-0012-00-RS	KANE	43	9			
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	PLOT DATE =	DATE - 12-17-2019	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT				

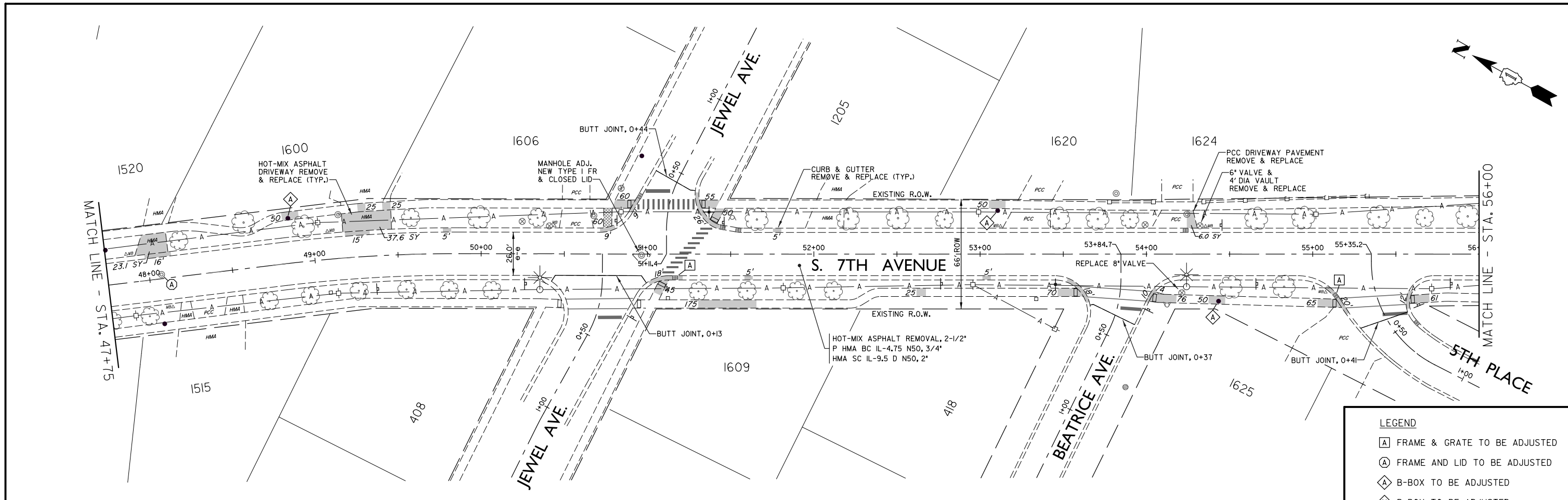


LEGEND

- A FRAME & GRATE TO BE ADJUSTED
- A FRAME AND LID TO BE ADJUSTED
- ◇ B-BOX TO BE ADJUSTED
- ◇ B-BOX TO BE ADJUSTED W/NEW B-BOX & CURB STOP
- SIDEWALK - NEW
- REMOVE ONLY
- REMOVE & REPLACE

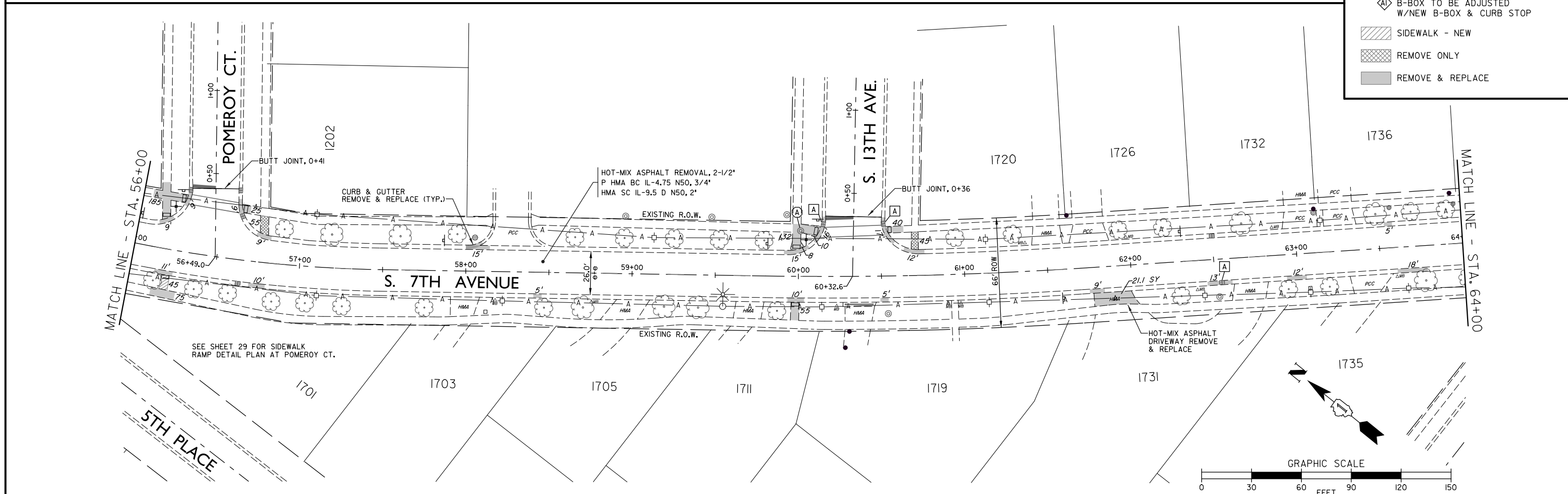


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		DRAWN - B.H.	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	2951	19-0012-00-RS	KANE	43	11
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	PLOT DATE =	DATE - 12-17-2019	REVISED -									

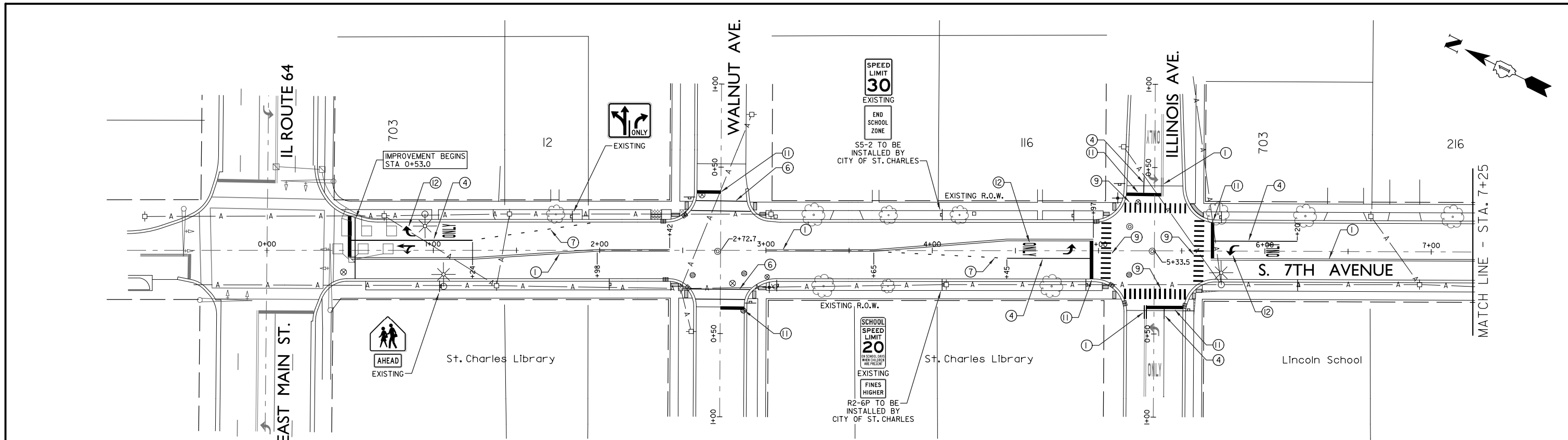


LEGEND

- FRAME & GRATE TO BE ADJUSTED
- FRAME AND LID TO BE ADJUSTED
- B-BOX TO BE ADJUSTED
- B-BOX TO BE ADJUSTED W/NEW B-BOX & CURB STOP
- SIDEWALK - NEW
- REMOVE ONLY
- REMOVE & REPLACE



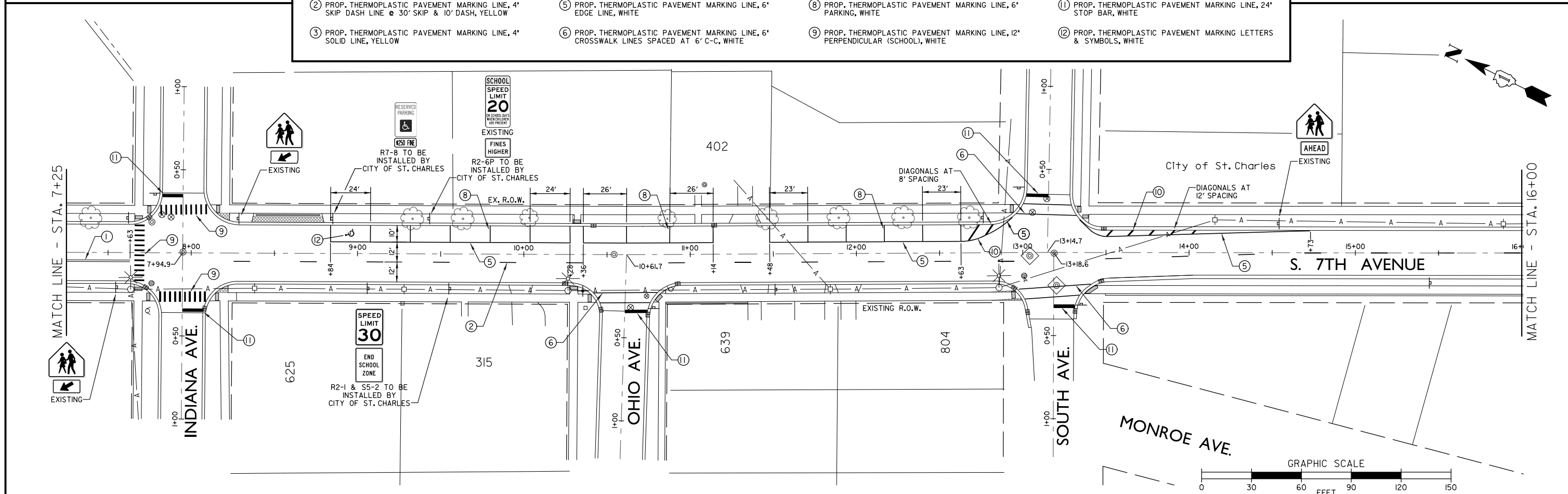
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	PLOT DATE =	DATE - 12-17-2019	REVISED -									



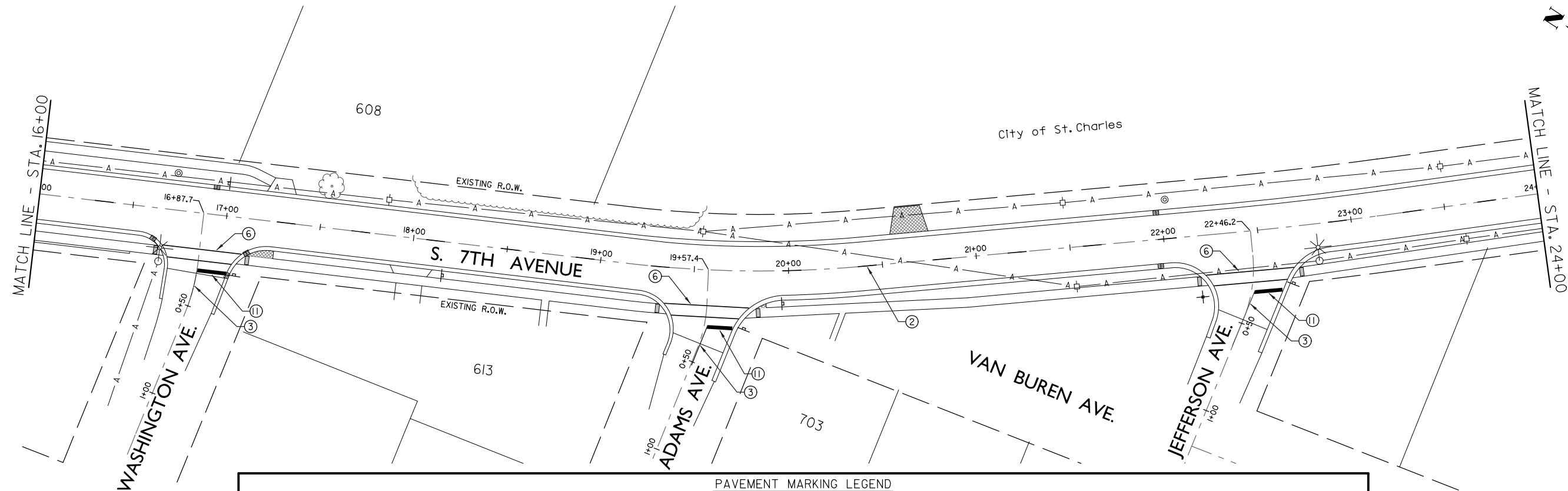
PAVEMENT MARKING LEGEND

① PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE LINE @ 11' C-C, YELLOW	④ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" TURN LANE, WHITE	⑦ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" DOTTED @ 6' SKIP & 2' DASH, WHITE	⑩ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONALS @ 45 DEGREES, WHITE
② PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH LINE @ 30' SKIP & 10' DASH, YELLOW	⑤ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" EDGE LINE, WHITE	⑧ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" PARKING, WHITE	⑪ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 24" STOP BAR, WHITE
③ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID LINE, YELLOW	⑥ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" CROSSWALK LINES SPACED AT 6' C-C, WHITE	⑨ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" PERPENDICULAR (SCHOOL), WHITE	⑫ PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS, WHITE

NOTE:
PROVIDE A MINIMUM DISTANCE OF 4 FEET BETWEEN THE STOP BAR AND CROSSWALK (TYP)



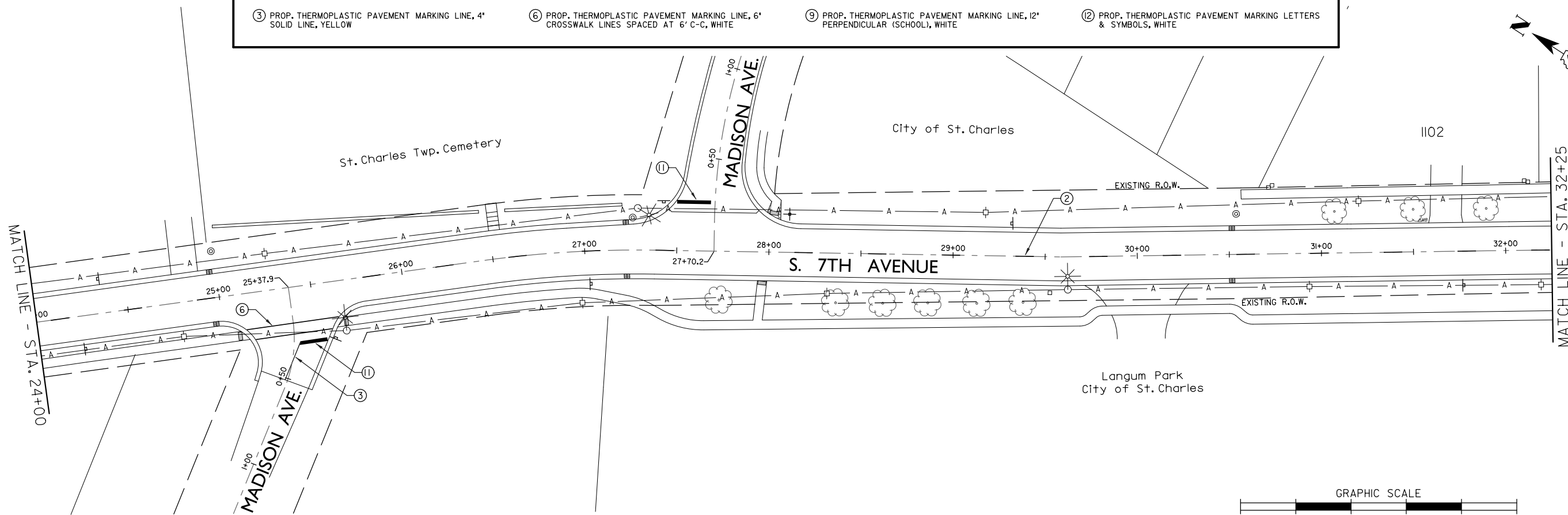
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		DRAWN - B.H.	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	2951	19-0012-00-RS	KANE	43 14
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		DATE - 12-17-2019	REVISED -							FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 6IG24



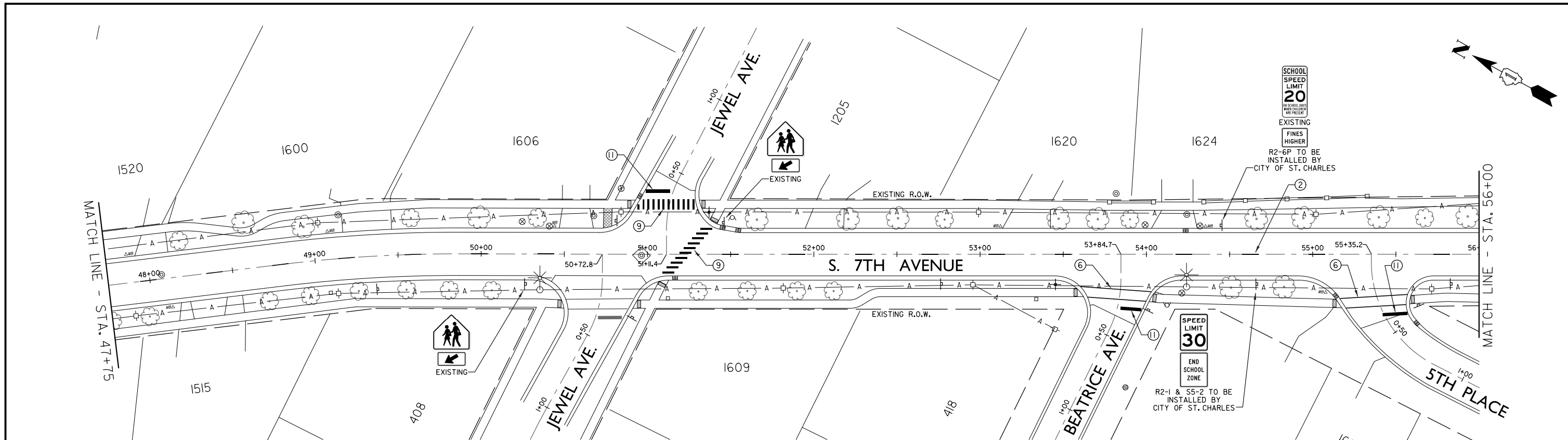
PAVEMENT MARKING LEGEND

① PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE LINE @ 11' C-C, YELLOW	④ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" TURN LANE, WHITE	⑦ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" DOTTED @ 6' SKIP & 2' DASH, WHITE	⑩ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONALS @ 45 DEGREES, WHITE
② PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH LINE @ 30' SKIP & 10' DASH, YELLOW	⑤ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" EDGE LINE, WHITE	⑧ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" PARKING, WHITE	⑪ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 24" STOP BAR, WHITE
③ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID LINE, YELLOW	⑥ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" CROSSWALK LINES SPACED AT 6' C-C, WHITE	⑨ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" PERPENDICULAR (SCHOOL), WHITE	⑫ PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS, WHITE

NOTE:
PROVIDE A MINIMUM DISTANCE OF 4 FEET BETWEEN THE STOP BAR AND CROSSWALK (TYP)



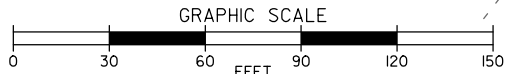
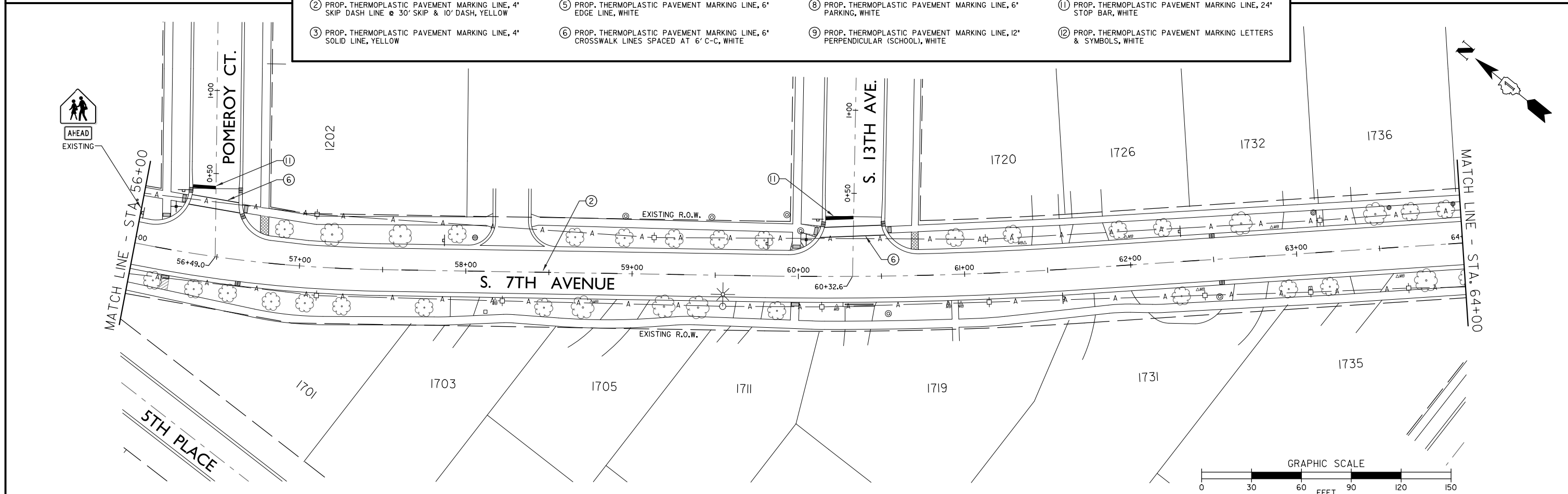
FILE NAME	USER NAME =	DESIGNED - B.H.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTH 7TH AVENUE PAVEMENT MARKING PLAN			F.A.U. RTE. 2951	SECTION 19-0012-00-RS	COUNTY KANE	TOTAL SHEETS 43	SHEET NO. 15
	PLOT SCALE =	CHECKED -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT
	PLOT DATE =	DATE - 12-17-2019	REVISED -									



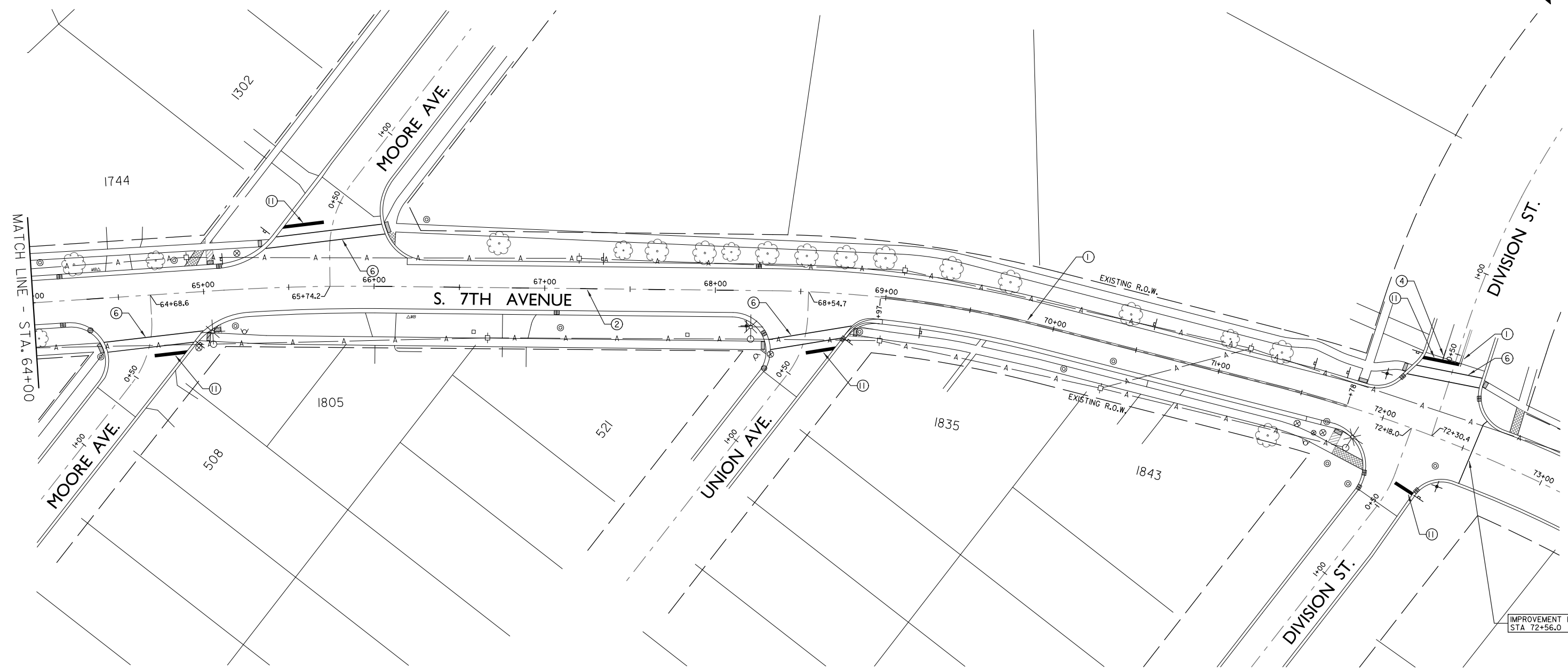
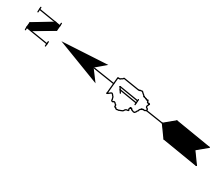
PAVEMENT MARKING LEGEND

① PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4' DOUBLE LINE @ 11' C-C, YELLOW	④ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6' TURN LANE, WHITE	⑦ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6' DOTTED @ 6' SKIP & 2' DASH, WHITE	⑩ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12' DIAGONALS @ 45 DEGREES, WHITE
② PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4' SKIP DASH LINE @ 30' SKIP & 10' DASH, YELLOW	⑤ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6' EDGE LINE, WHITE	⑧ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6' PARKING, WHITE	⑪ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 24' STOP BAR, WHITE
③ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4' SOLID LINE, YELLOW	⑥ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6' CROSSWALK LINES SPACED AT 6' C-C, WHITE	⑨ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12' PERPENDICULAR (SCHOOL), WHITE	⑫ PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS, WHITE

NOTE:
PROVIDE A MINIMUM DISTANCE OF 4 FEET BETWEEN THE STOP BAR AND CROSSWALK (TYP)

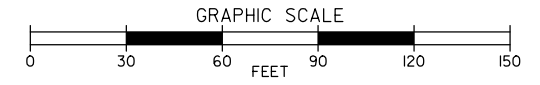


FILE NAME	USER NAME =	DESIGNED - B.H.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTH 7TH AVENUE PAVEMENT MARKING PLAN			F.A.U. RTE. 2951	SECTION 19-0012-00-RS	COUNTY KANE	TOTAL SHEETS 43	SHEET NO. 17
	PLOT SCALE =	DRAWN - B.H.	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 6IG24	
	PLOT DATE =	CHECKED -	REVISED -									
		DATE - 12-17-2019	REVISED -									



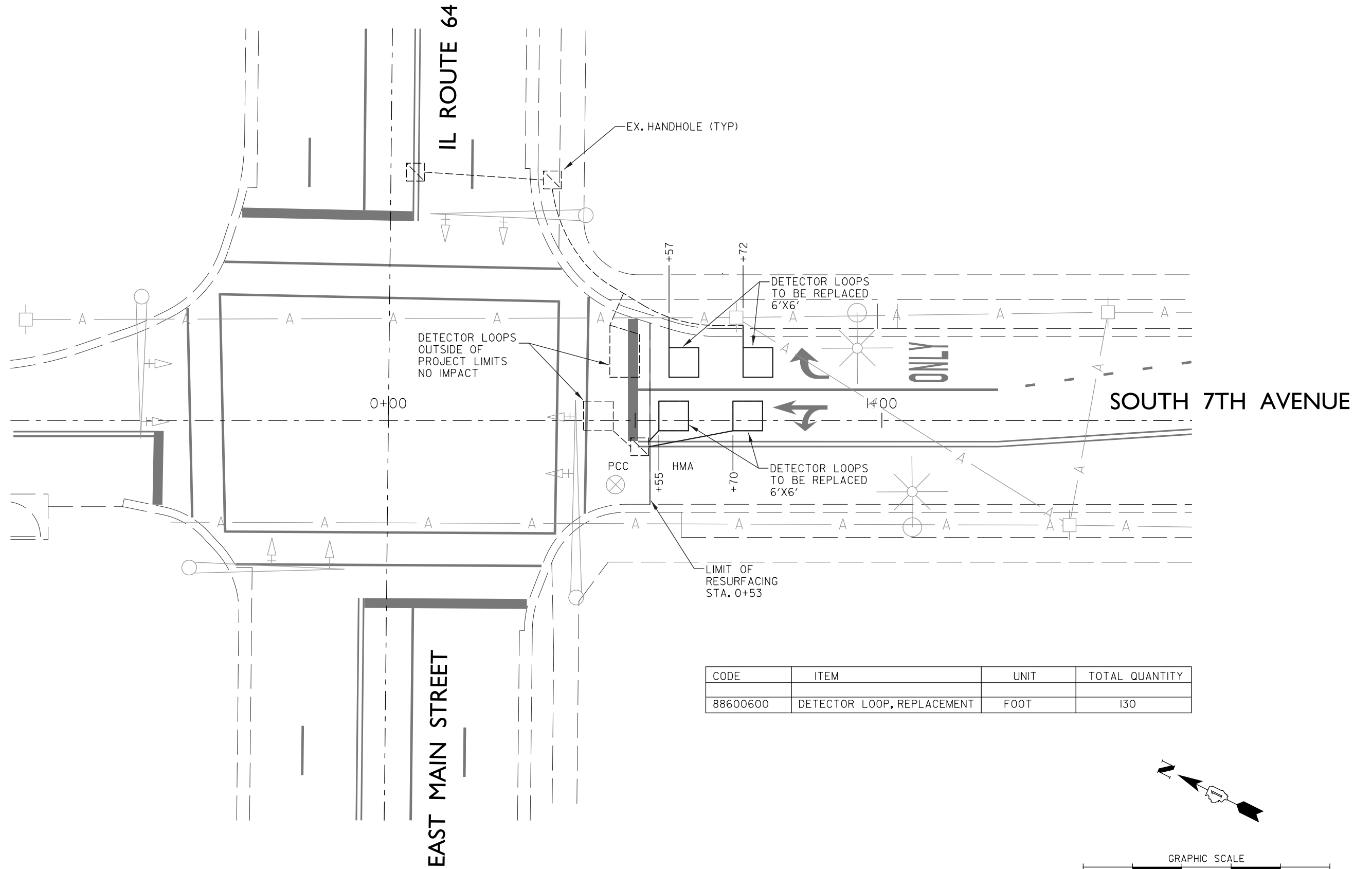
PAVEMENT MARKING LEGEND			
① PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE LINE @ 11' C-C, YELLOW	④ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" TURN LANE, WHITE	⑦ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" DOTTED @ 6' SKIP & 2' DASH, WHITE	⑩ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONALS @ 45 DEGREES, WHITE
② PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH LINE @ 30' SKIP & 10' DASH, YELLOW	⑤ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" EDGE LINE, WHITE	⑧ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" PARKING, WHITE	⑪ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 24" STOP BAR, WHITE
③ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID LINE, YELLOW	⑥ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" CROSSWALK LINES SPACED AT 6' C-C, WHITE	⑨ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" PERPENDICULAR (SCHOOL), WHITE	⑫ PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS, WHITE

NOTE:
PROVIDE A MINIMUM DISTANCE OF 4 FEET
BETWEEN THE STOP BAR AND CROSSWALK (TYP)

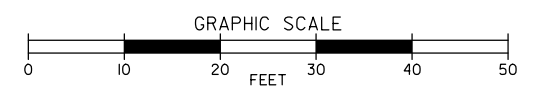
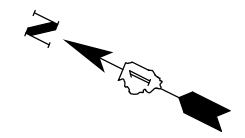


FILE NAME	USER NAME =	DESIGNED - B.H.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTH 7TH AVENUE PAVEMENT MARKING PLAN			F.A.U. RTE. 2951	SECTION 19-00112-00-RS	COUNTY KANE	TOTAL SHEETS 43	SHEET NO. 18
	PLOT SCALE =	DRAWN - B.H.	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	CONTRACT NO. 6IG24	FED. AID PROJECT	
	PLOT DATE =	CHECKED -	REVISED -									

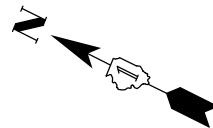
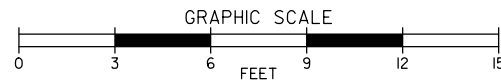
EAST MAIN STREET (IL ROUTE 64) & SOUTH 7TH AVENUE



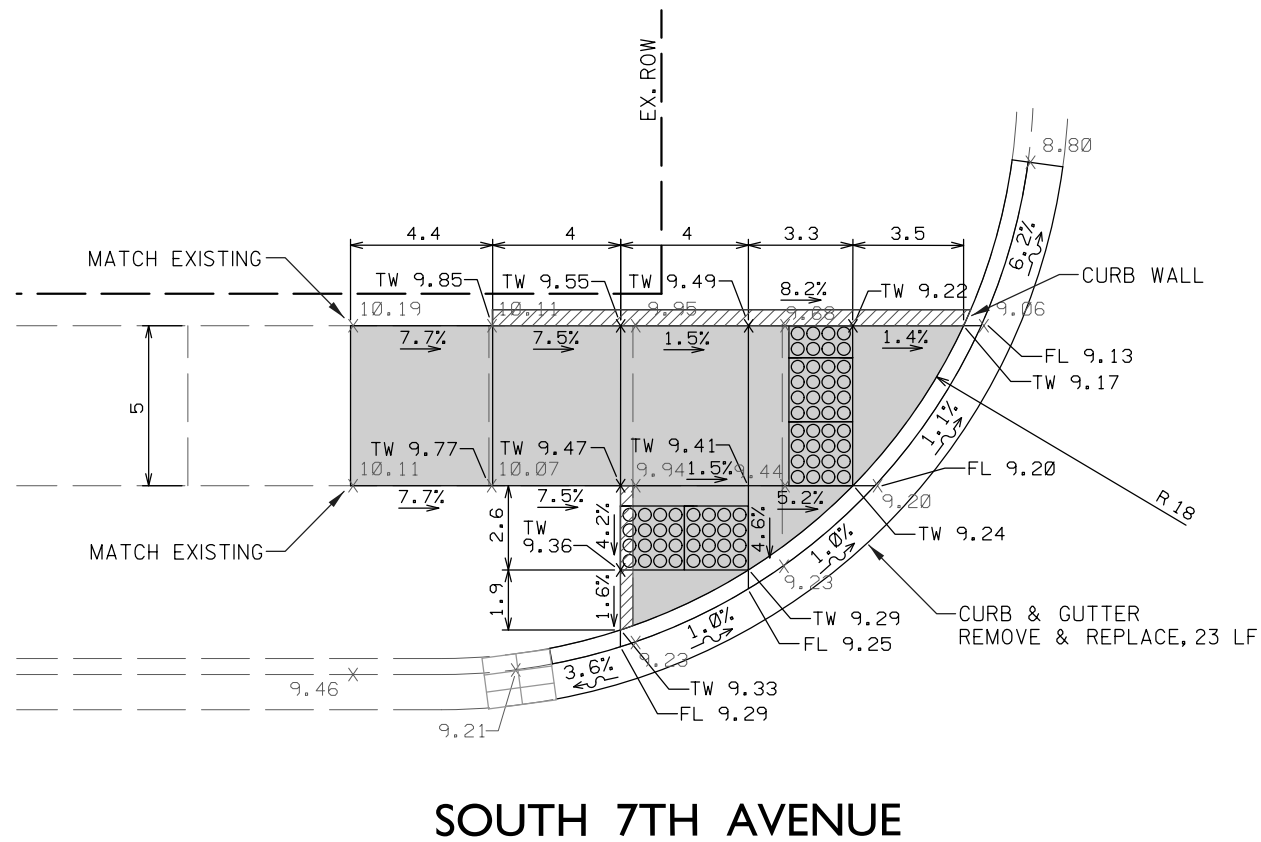
CODE	ITEM	UNIT	TOTAL QUANTITY
88600600	DETECTOR LOOP, REPLACEMENT	FOOT	130



FILE NAME =	USER NAME =	DESIGNED - B.H.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTH 7TH AVENUE DETECTOR LOOP PLAN			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN - B.H.	REVISED -					2951	19-0012-00-RS	KANE	43	19
	PLOT DATE =	CHECKED -	REVISED -					CONTRACT NO. 6IG24		FED. AID PROJECT		
	DATE - 12-17-2019	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS				



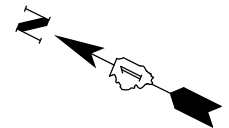
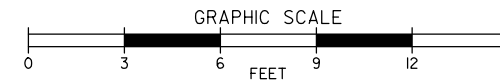
NORTHEAST CORNER OF S. 7TH AVE. & ILLINOIS AVE.



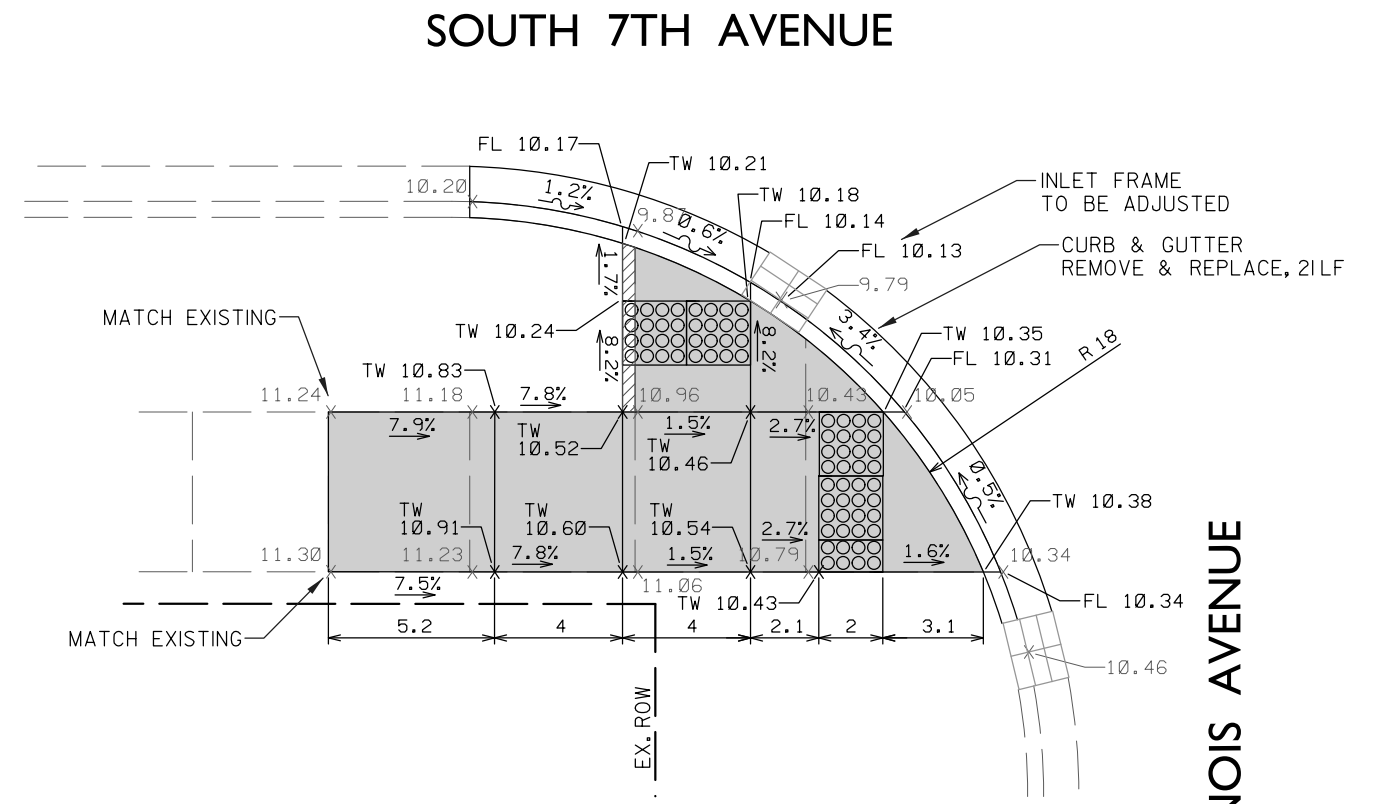
SOUTH 7TH AVENUE

LEGEND

- DETECTABLE WARNINGS
- SIDEWALK - NEW
- SIDEWALK - REMOVE ONLY
- SIDEWALK - REMOVE & REPLACE
- TW 0.00 TOP OF WALK, PROPOSED ELEVATION
- TC 0.00 TOP OF CURB PROPOSED ELEVATION
- FL 0.00 FLOW LINE PROPOSED ELEVATION
- 9.73 X EXISTING POINT ELEVATION



NORTHWEST CORNER OF S. 7TH AVE. & ILLINOIS AVE.



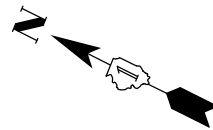
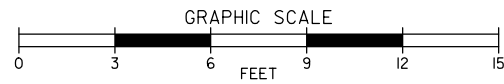
ILLINOIS AVENUE

FILE NAME	USER NAME =	DESIGNED - C.G. & B.H.	REVISED -
		DRAWN - B.H.	REVISED -
	PLOT SCALE =	CHECKED -	REVISED -
	PLOT DATE =	DATE - 12-17-2019	REVISED -

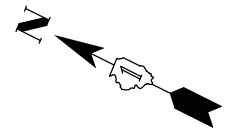
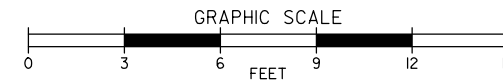
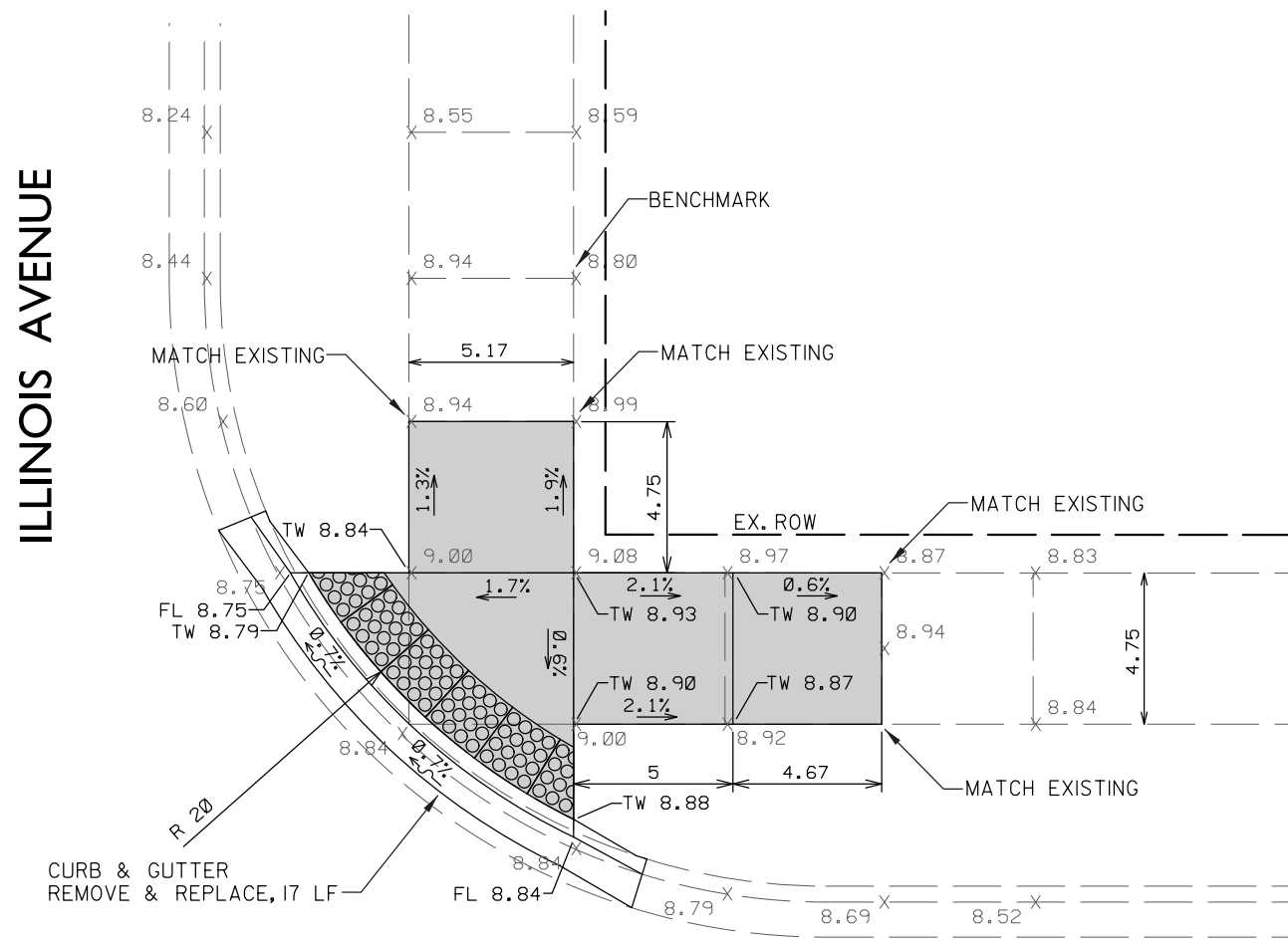
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK CROSSING DETAIL PLAN AT ILLINOIS AVENUE			
SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	

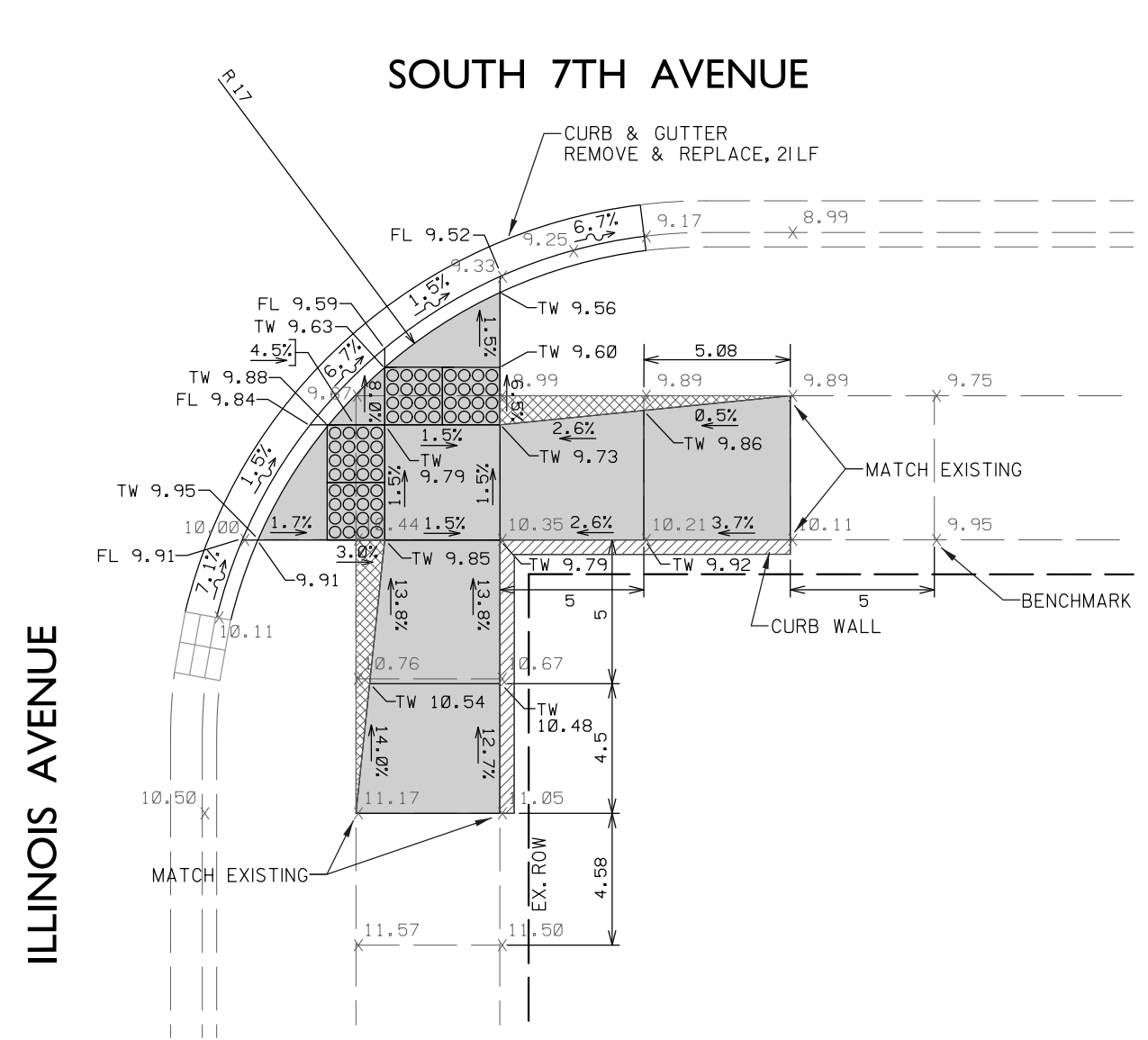
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
295I	19-0012-00-RS	KANE	43	22
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 6IG24	



SOUTHEAST CORNER OF S. 7TH AVE. & ILLINOIS AVE.



SOUTHWEST CORNER OF S. 7TH AVE. & ILLINOIS AVE.



LEGEND

- DETECTABLE WARNINGS
- SIDEWALK - NEW
- SIDEWALK - REMOVE ONLY
- SIDEWALK - REMOVE & REPLACE
- TW 0.00 TOP OF WALK, PROPOSED ELEVATION
- TC 0.00 TOP OF CURB PROPOSED ELEVATION
- FL 0.00 FLOW LINE PROPOSED ELEVATION
- X 9.73 EXISTING POINT ELEVATION

SOUTH 7TH AVENUE

ILLINOIS AVENUE

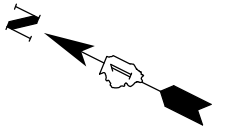
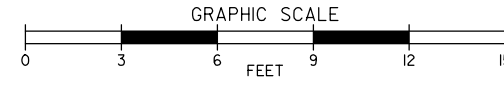
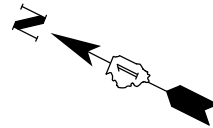
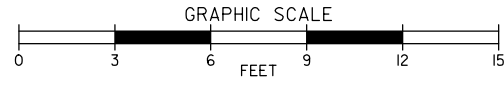
SOUTH 7TH AVENUE

FILE NAME	USER NAME =	DESIGNED - C.G. & B.H.	REVISED -
		DRAWN - B.H.	REVISED -
	PLOT SCALE =	CHECKED -	REVISED -
	PLOT DATE =	DATE - 12-17-2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

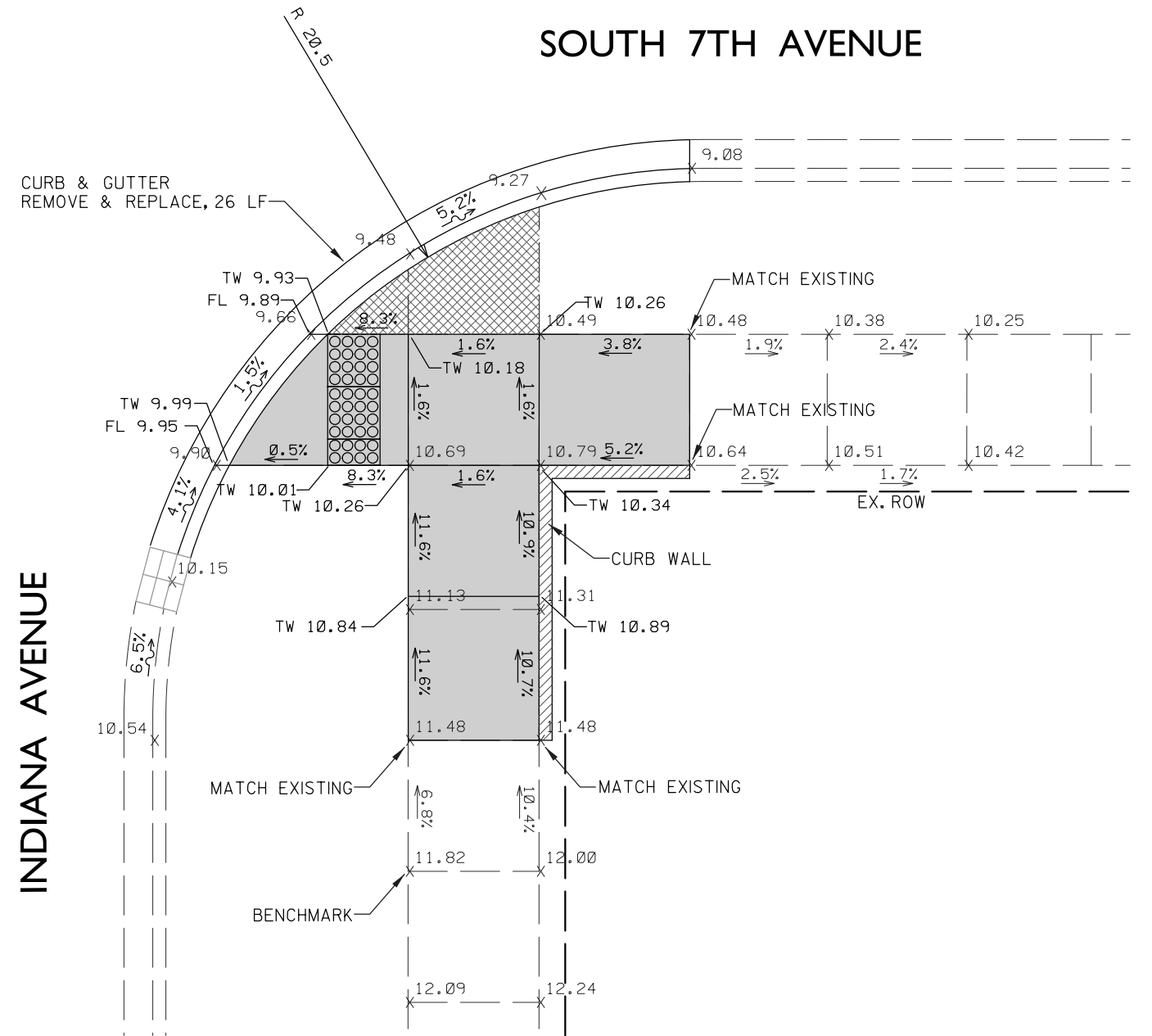
SIDEWALK CROSSING DETAIL PLAN AT ILLINOIS AVENUE			
SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2951	19-0012-00-RS	KANE	43	23
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
		CONTRACT NO.	6IG24	



SOUTHWEST CORNER OF S. 7TH AVE. & INDIANA AVE.

SOUTH 7TH AVENUE



LEGEND

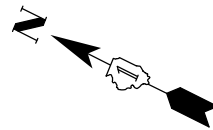
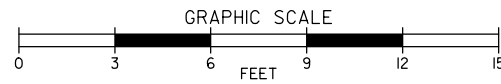
- DETECTABLE WARNINGS
- SIDEWALK - NEW
- SIDEWALK - REMOVE ONLY
- SIDEWALK - REMOVE & REPLACE
- TW 0.00 TOP OF WALK, PROPOSED ELEVATION
- TC 0.00 TOP OF CURB PROPOSED ELEVATION
- FL 0.00 FLOW LINE PROPOSED ELEVATION
- X 9.73 EXISTING POINT ELEVATION

FILE NAME	USER NAME =	DESIGNED - C.G. & B.H.	REVISED -
		DRAWN - B.H.	REVISED -
	PLOT SCALE =	CHECKED -	REVISED -
	PLOT DATE =	DATE - 12-17-2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

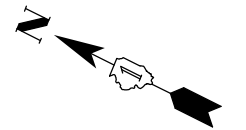
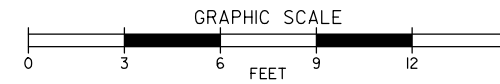
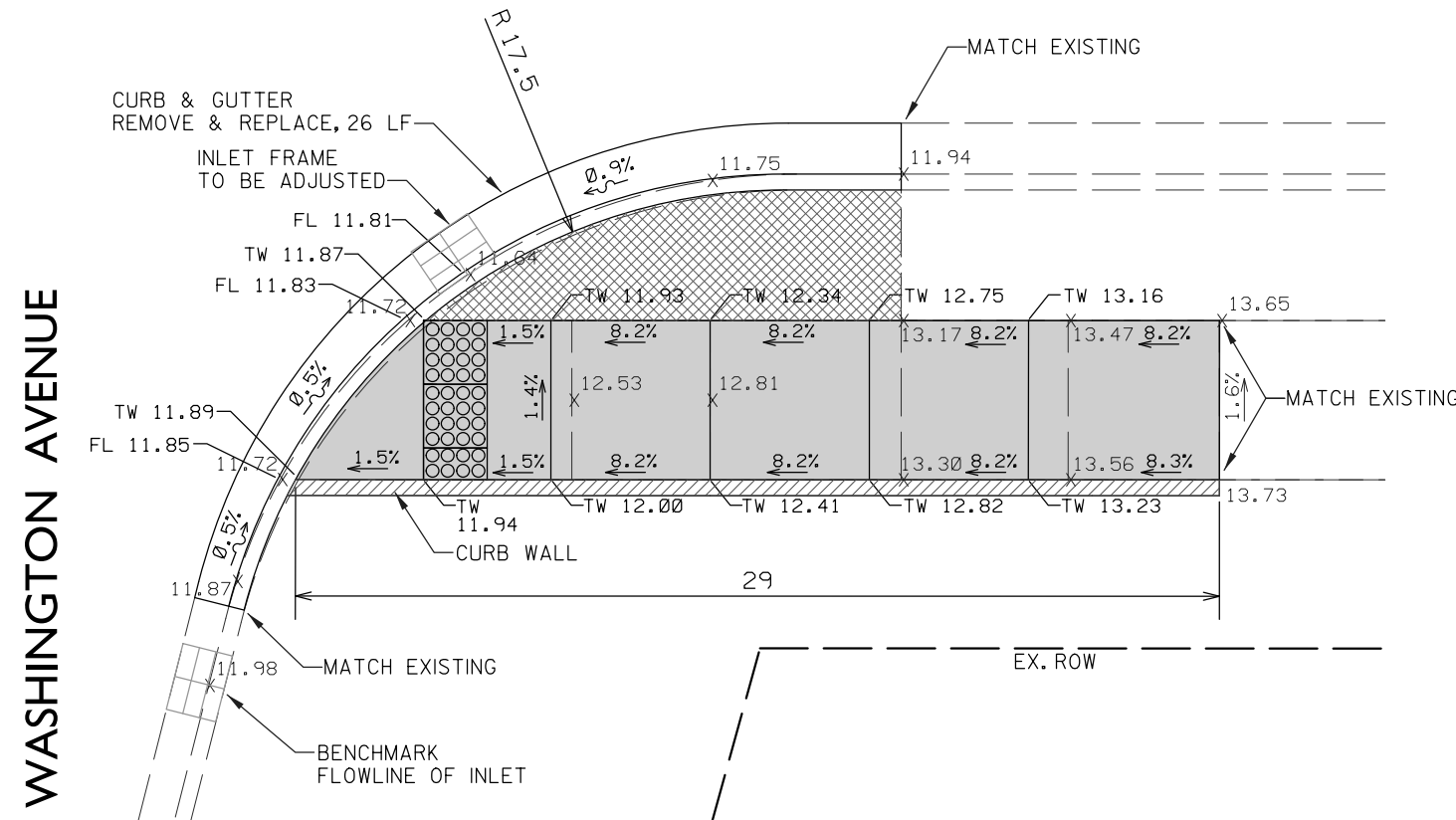
SIDEWALK CROSSING DETAIL PLAN AT INDIANA AVENUE			
SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2951	19-0012-00-RS	KANE	43	25
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 6IG24	
		FED. AID PROJECT		



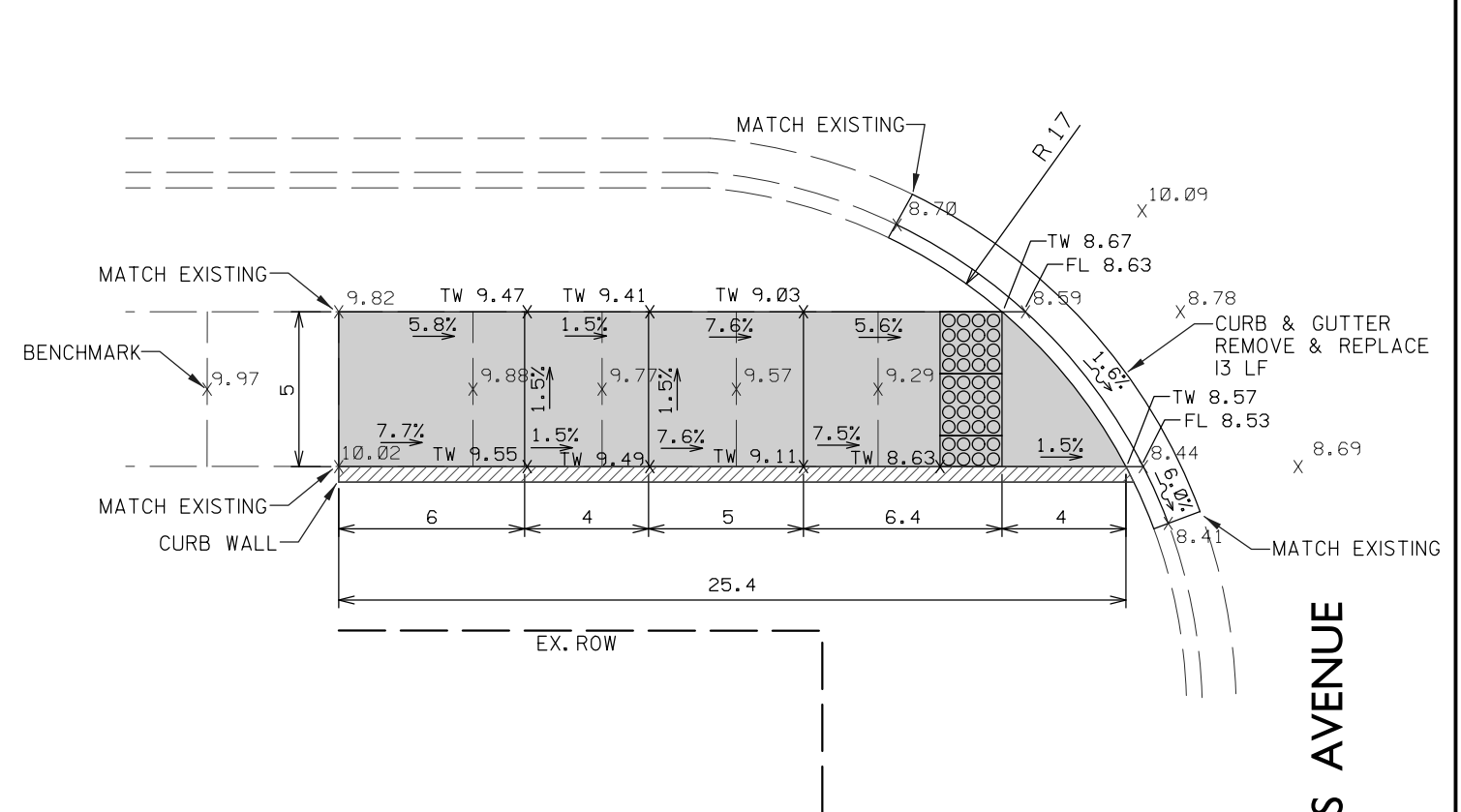
SOUTHWEST CORNER OF S. 7TH AVE. & WASHINGTON AVE.

SOUTH 7TH AVENUE



NORTHWEST CORNER OF S. 7TH AVE. & ADAMS AVE.

SOUTH 7TH AVENUE



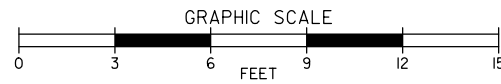
FILE NAME	USER NAME =	DESIGNED - C.G. & B.H.	REVISED -
		DRAWN - B.H.	REVISED -
	PLOT SCALE =	CHECKED -	REVISED -
	PLOT DATE =	DATE - 12-17-2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

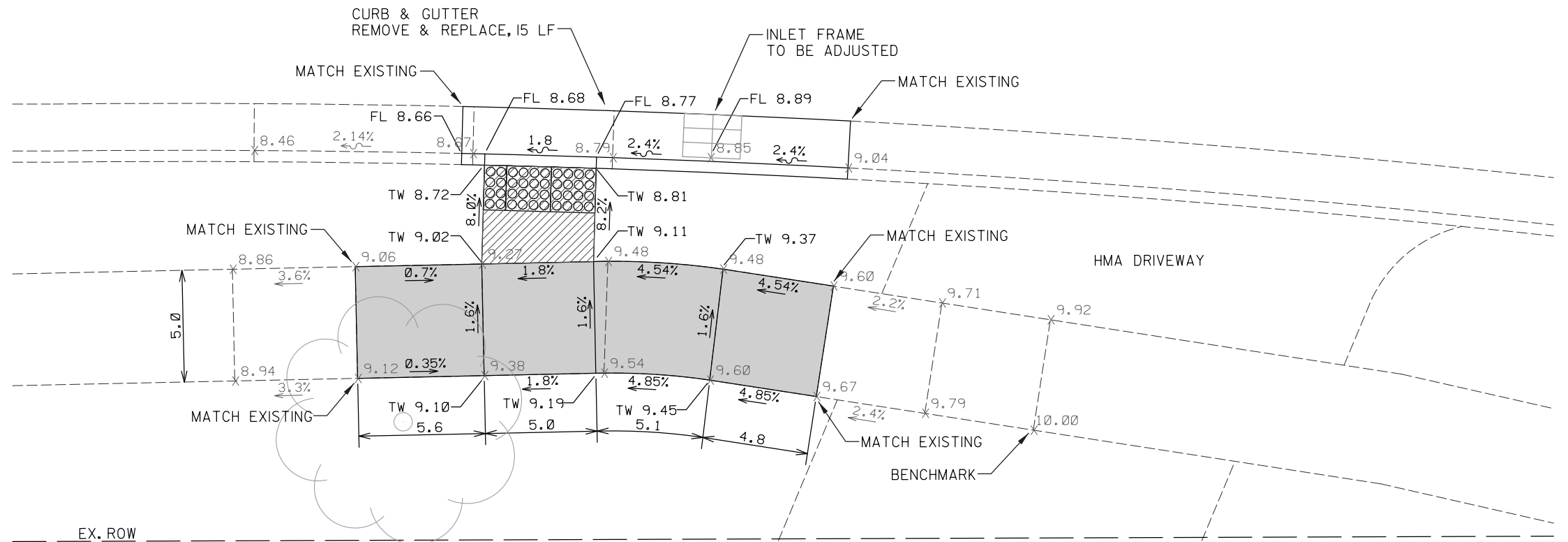
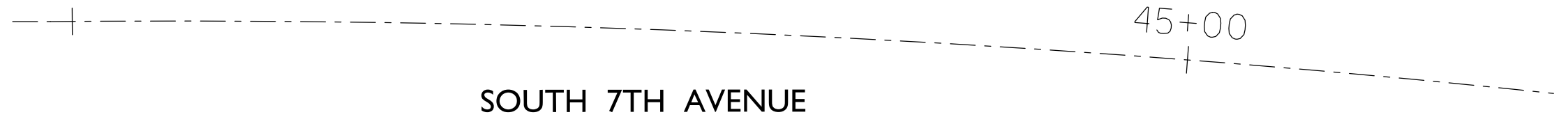
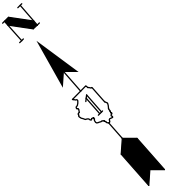
SIDEWALK CROSSING DETAIL PLAN
AT WASHINGTON AVENUE & ADAMS AVENUE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2951	19-0012-00-RS	KANE	43	27
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	CONTRACT NO.	6IG24

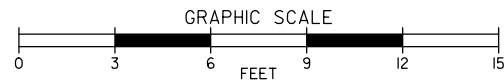


SOUTHWEST CORNER OF S. 7TH AVE. & EDWARD AVE.

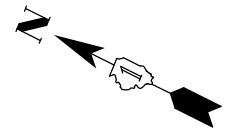


- DETECTABLE WARNINGS
- SIDEWALK - NEW
- SIDEWALK - REMOVE ONLY
- SIDEWALK - REMOVE & REPLACE
- TW 0.00 TOP OF WALK, PROPOSED ELEVATION
- TC 0.00 TOP OF CURB PROPOSED ELEVATION
- FL 0.00 FLOW LINE PROPOSED ELEVATION
- X 9.73 EXISTING POINT ELEVATION

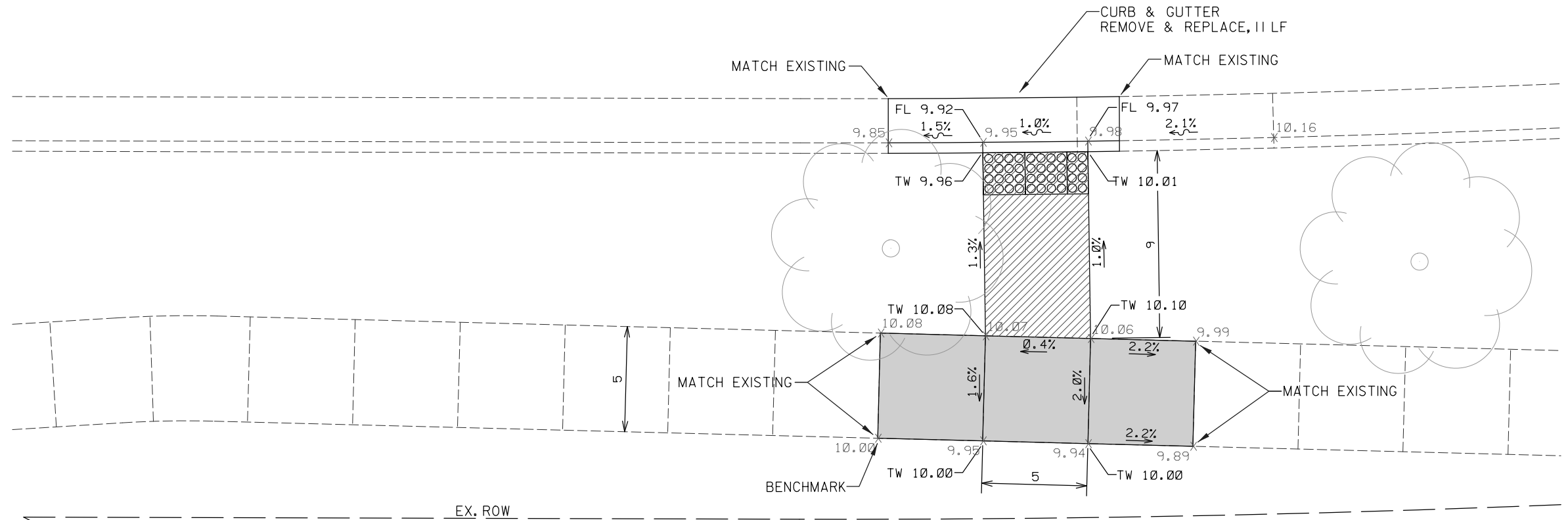
FILE NAME	USER NAME =	DESIGNED - C.G. & B.H.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDEWALK CROSSING DETAIL PLAN NEW SIDEWALK - STA. 44+71, RT.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED -	REVISED -			2951	19-0012-00-RS	KANE	43	28
	PLOT DATE =	DATE - 12-17-2019	REVISED -	SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 6IG24



SOUTHWEST CORNER OF S. 7TH AVE. & 5TH PLACE



SOUTH 7TH AVENUE

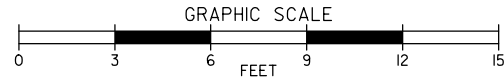


LEGEND

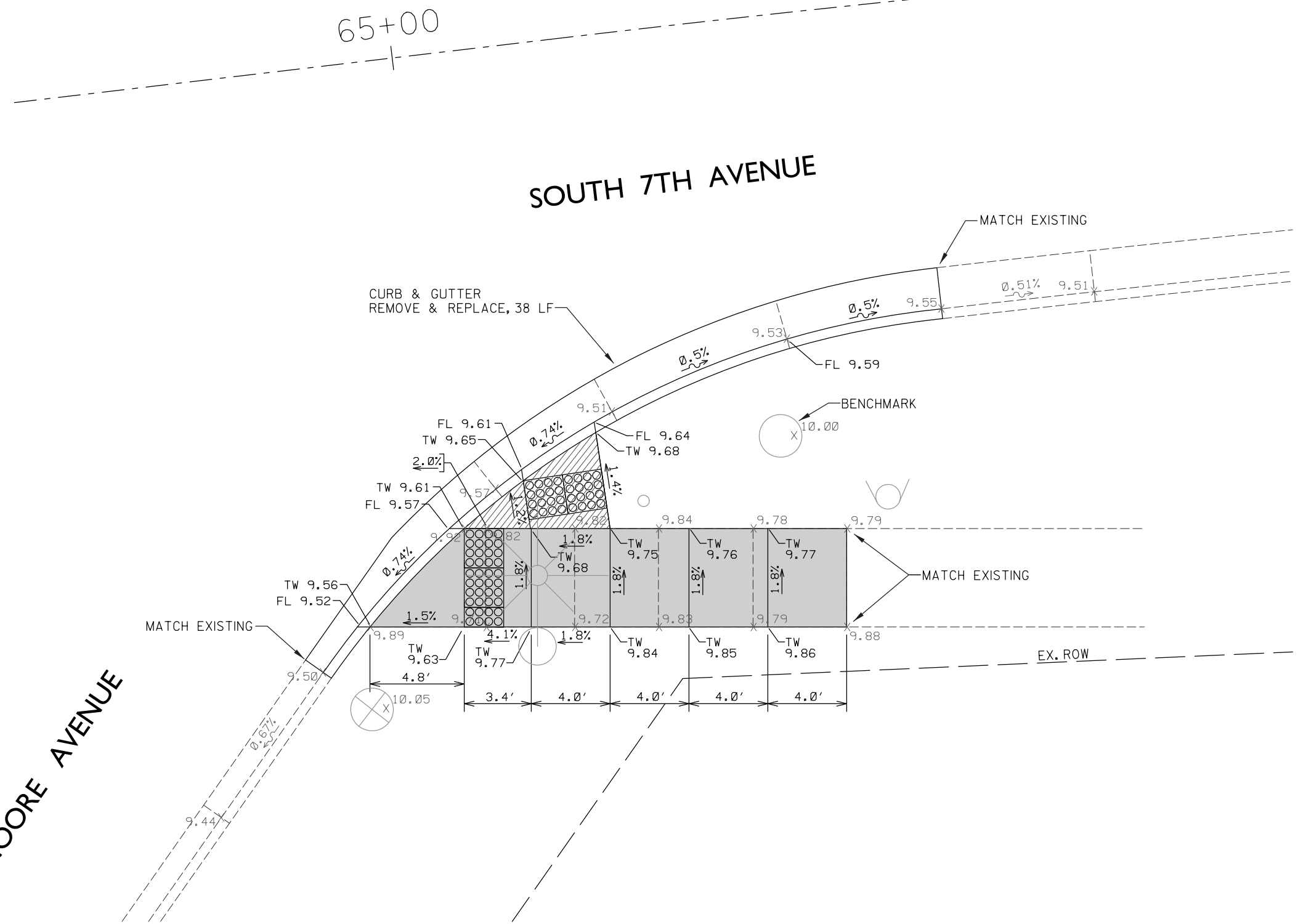
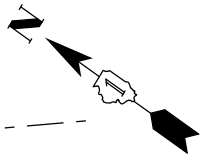
- DETECTABLE WARNINGS
- SIDEWALK - NEW
- SIDEWALK - REMOVE ONLY
- SIDEWALK - REMOVE & REPLACE
- TW 0.00 TOP OF WALK, PROPOSED ELEVATION
- TC 0.00 TOP OF CURB PROPOSED ELEVATION
- FL 0.00 FLOW LINE PROPOSED ELEVATION
- 9.73 X EXISTING POINT ELEVATION

5TH PLACE

FILE NAME	USER NAME =	DESIGNED - C.G. & B.H.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDEWALK CROSSING DETAIL PLAN NEW SIDEWALK - STA. 56+21, RT.		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN - B.H.	REVISED -				2951	19-0012-00-RS	KANE	43	29
	PLOT DATE =	CHECKED -	REVISED -				CONTRACT NO. 6IG24				
		DATE - 12-17-2019	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	



SOUTHWEST CORNER OF S. 7TH AVE. & MOORE AVE.



LEGEND

- DETECTABLE WARNINGS
- SIDEWALK - NEW
- SIDEWALK - REMOVE ONLY
- SIDEWALK - REMOVE & REPLACE
- TW 0.00 TOP OF WALK, PROPOSED ELEVATION
- TC 0.00 TOP OF CURB PROPOSED ELEVATION
- FL 0.00 FLOW LINE PROPOSED ELEVATION
- X 9.73 EXISTING POINT ELEVATION

FILE NAME	USER NAME =	DESIGNED - C.G. & B.H.	REVISED -
		DRAWN - B.H.	REVISED -
	PLOT SCALE =	CHECKED -	REVISED -
	PLOT DATE =	DATE - 12-17-2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

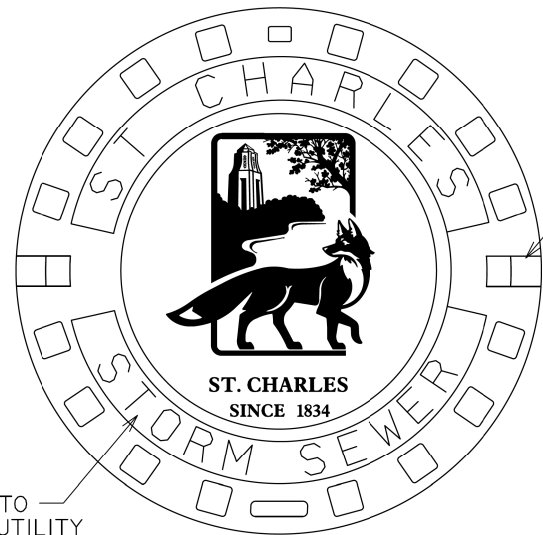
**SIDEWALK CROSSING DETAIL PLAN
NEW SIDEWALK - STA. 65+07, RT.**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
295I	19-0012-00-RS	KANE	43	31
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 6IG24	
		FED. AID PROJECT		

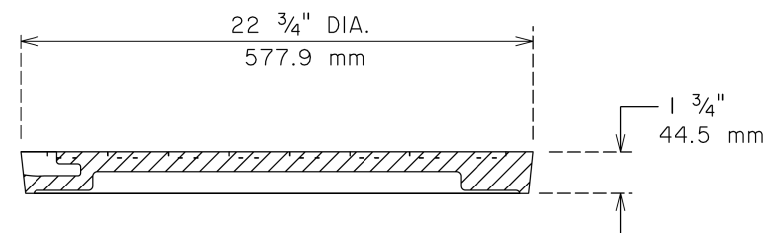
SPECIAL LETTERED WATER VAULT, SANITARY SEWER AND STORM SEWER MANHOLE COVER

1 1/2" (38.1 mm) LETTERS
(RECESSED FLUSH)



REVISE TO
MATCH UTILITY

(2) CLOSED
PICKHOLES



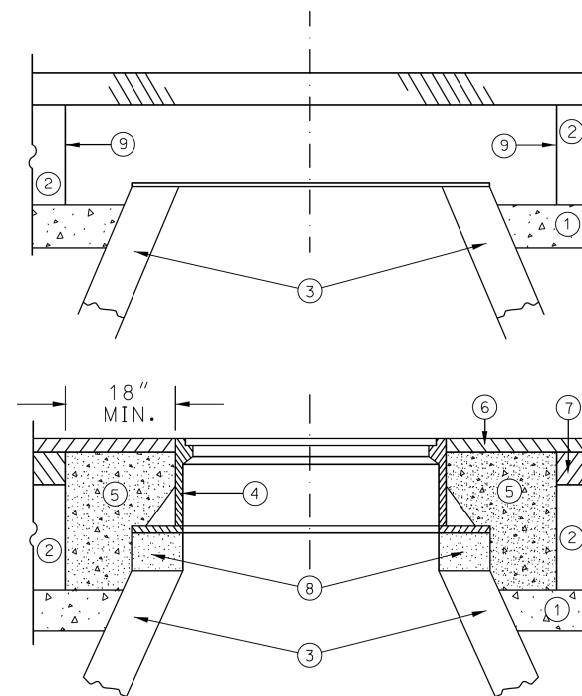
HEAVY DUTY
MATERIAL ASTM A48 CL 35
MACHINED BEARING SURFACE
COVER WT: 125 LBS (56.7 kg)

NOT TO SCALE

STANDARD
COVER
DETAIL

DATE: 12-16-19

D-7



LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT TO BE REMOVED
- ③ EXISTING STRUCTURE
- ④ FRAME AND LID (SEE NOTES)
- ⑤ CLASS SI CONCRETE
- ⑥ PROPOSED HMA SURFACE COURSE
- ⑦ PROPOSED HMA BINDER COURSE
- ⑧ PROPOSED MORTAR, STEEL SHIMS & ADJUSTING RINGS 8" MAXIMUM
- ⑨ FULL DEPTH SAW CUT

NOTES:

EXISTING FRAMES AND LIDS ARE THE PROPERTY OF THE CITY OF ST. CHARLES & SHALL BE REMOVED AND RETURNED TO THE CITY OF ST. CHARLES BY THE CONTRACTOR AND SHALL BE REPLACED AS NOTED ON PLAN.

INSTALLATION OF NEW FRAMES & LIDS WILL NOT BE PAID FOR SEPARATELY BUT ARE INCLUDED AS PART OF THE COST PER NEW STRUCTURE.

CONSTRUCTION PROCEDURES

PRIOR TO PAVING SURFACE COURSE:

- A) FULL DEPTH SAW CUT 5' X 5' SQUARE OR DIAMOND AROUND CENTER OF FRAME TO BE ADJUSTED
- B) REMOVE FRAME, EXISTING PAVEMENT AND AGGREGATE MATERIAL TO A DEPTH OF 2" BELOW TOP OF MANHOLE STRUCTURE & 2" BELOW BOTTOM OF LOWEST ADJUSTMENT RING.
- C) INSTALL NEW FRAME AND LID TO MATCH PROPOSED HMA PAVEMENT SURFACE GRADE USING MORTAR, STEEL SHIMS EMBEDDED IN MORTAR, AND PRECAST CONCRETE ADJUSTING RINGS.
- C) COMPACT EXISTING AGGREGATE STONE BASE.
- D) FILL 5'X5' SURROUNDING SPACE WITH IDOT APPROVED CLASS SI CONCRETE TO THE SAME ELEVATION OF THE TOP OF THE BINDER COURSE.
- E) PAVE SURFACE COURSE OVER 5' X 5' CONCRETE COLLAR.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS

NOT TO SCALE

FRAME
AND LID
ADJUSTMENT
WITH
CONCRETE
COLLAR

DATE: 12-16-19

E-6

FILE NAME	USER NAME =	DESIGNED - B.H.	REVISED - 02/02/2015
		DRAWN - B.H.	REVISED -
	PLOT SCALE =	CHECKED -	REVISED -
	PLOT DATE =	DATE - 12-17-2019	REVISED -

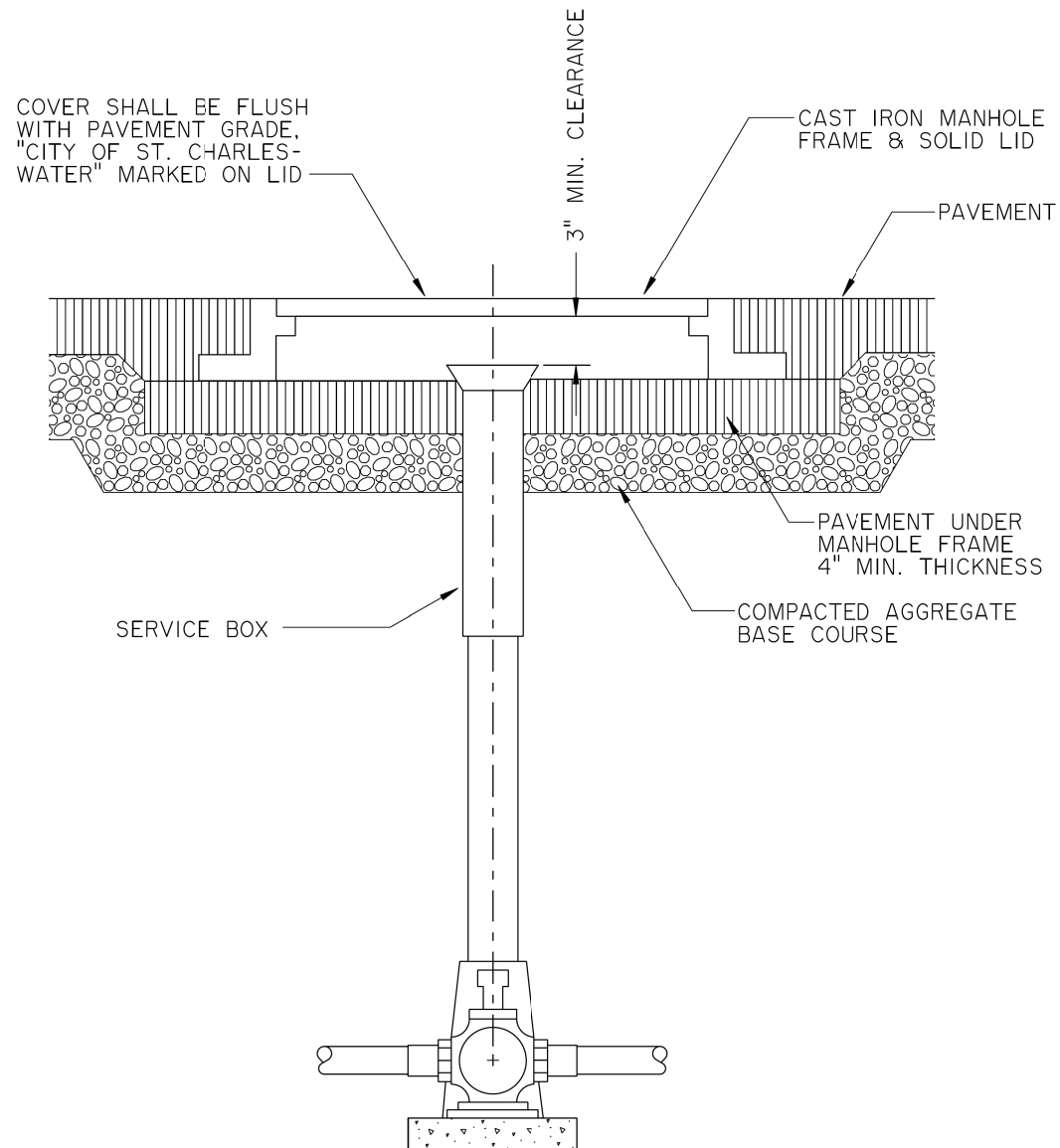
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SOUTH 7TH AVENUE
UTILITY TYPICAL DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
295I	19-0012-00-RS	KANE	43	34
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 6IG24	
		FED. AID PROJECT		

SERVICE BOX IN PAVED AREA



COVER SHALL BE FLUSH WITH PAVEMENT GRADE, "CITY OF ST. CHARLES-WATER" MARKED ON LID

3" MIN. CLEARANCE

CAST IRON MANHOLE FRAME & SOLID LID

PAVEMENT

PAVEMENT UNDER MANHOLE FRAME 4" MIN. THICKNESS

SERVICE BOX

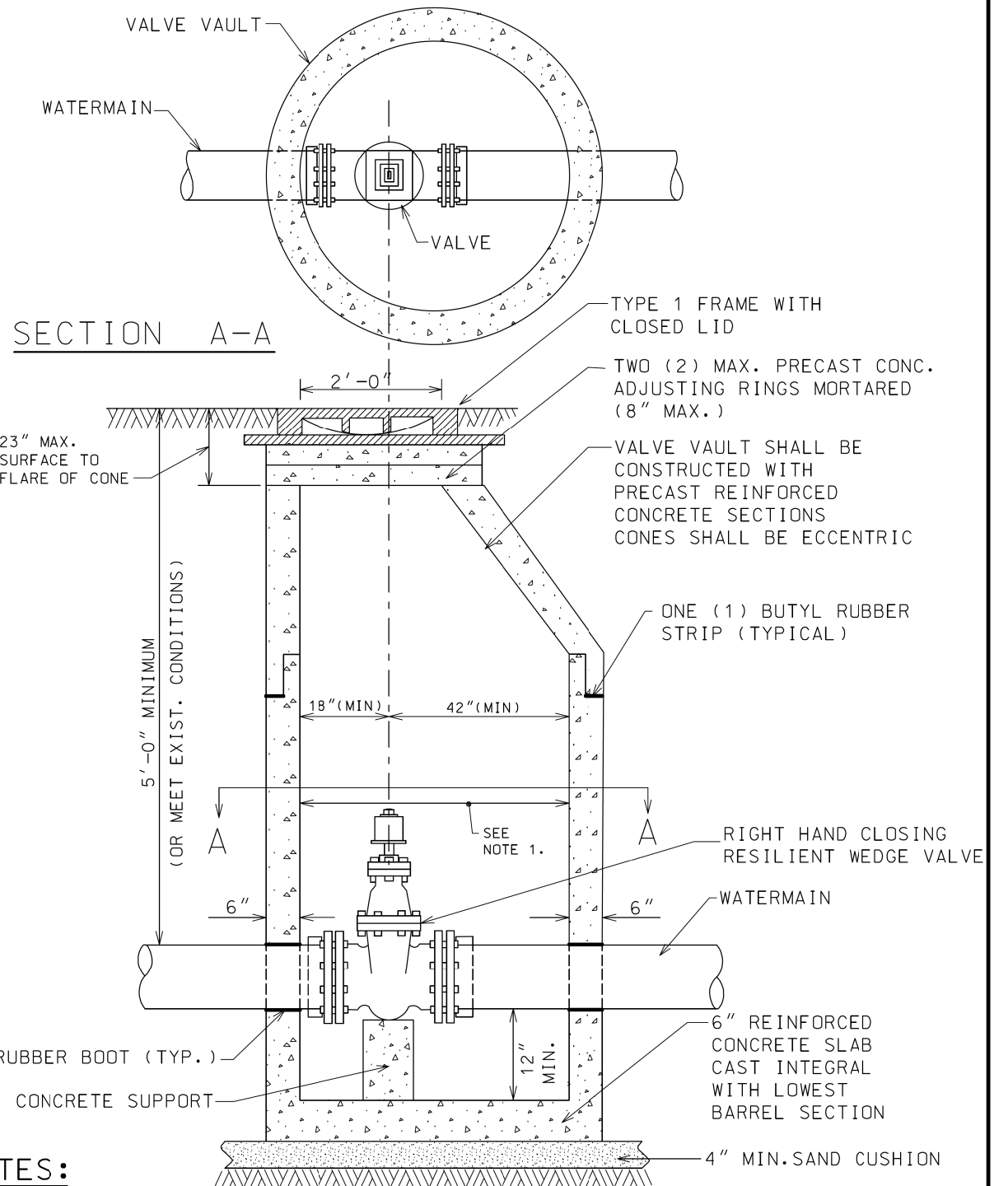
COMPACTED AGGREGATE BASE COURSE

NOT TO SCALE

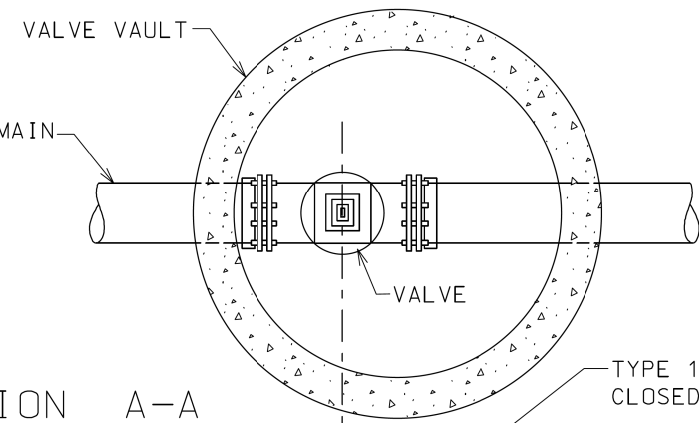
SERVICE BOX IN PAVED AREA

DATE: 3-31-09

A-8



SECTION A-A



VALVE VAULT

WATERMAIN

VALVE

TYPE 1 FRAME WITH CLOSED LID

TWO (2) MAX. PRECAST CONC. ADJUSTING RINGS MORTARED (8" MAX.)

VALVE VAULT SHALL BE CONSTRUCTED WITH PRECAST REINFORCED CONCRETE SECTIONS CONES SHALL BE ECCENTRIC

ONE (1) BUTYL RUBBER STRIP (TYPICAL)

5'-0" MINIMUM (OR MEET EXIST. CONDITIONS)

18" (MIN)

42" (MIN)

RIGHT HAND CLOSING RESILIENT WEDGE VALVE

WATERMAIN

6"

6"

6" REINFORCED CONCRETE SLAB CAST INTEGRAL WITH LOWEST BARREL SECTION

RUBBER BOOT (TYP.)

CONCRETE SUPPORT

12" MIN.

4" MIN. SAND CUSHION

NOTES:

- 48" MIN. INSIDE DIA. FOR VALVES LESS THAN 8" DIA.
60" MIN. INSIDE DIA. FOR ALL OTHER VALVE VAULTS.
- VALVE VAULT MUST CONFORM TO ASTM C-478.
- VALVES MUST CONFORM TO AWWA C-515
- VAULT SECTIONS TO BE TONGUE AND GROOVED.
- NON-PRECAST PIPE OPENINGS TO BE CORED AND RUBBER BOOTS INSTALLED.
- BACKFILL MATERIAL SHALL BE IDOT CA-7 VIRGIN CRUSHED LIMESTONE.
- a) MECHANICAL JOINT BOLTS, NUTS & WASHERS SHALL BE COMPOSED OF CORE-TEN.
b) ALL OTHER HEXAGONAL BOLTS, NUTS & WASHERS SHALL BE COMPOSED OF 304 GRADE STAINLESS STEEL.
- PRIOR TO THE PLACEMENT OF FINAL LAYER OF ROADWAY, FRAMES AND ADJUSTING RINGS LOCATED WITHIN PAVED AREAS SHALL BE SET IN AN IDOT APPROVED CONCRETE "SI" MIXTURE.

NOT TO SCALE

VALVE VAULT DETAIL

DATE: 12-16-19

B-1

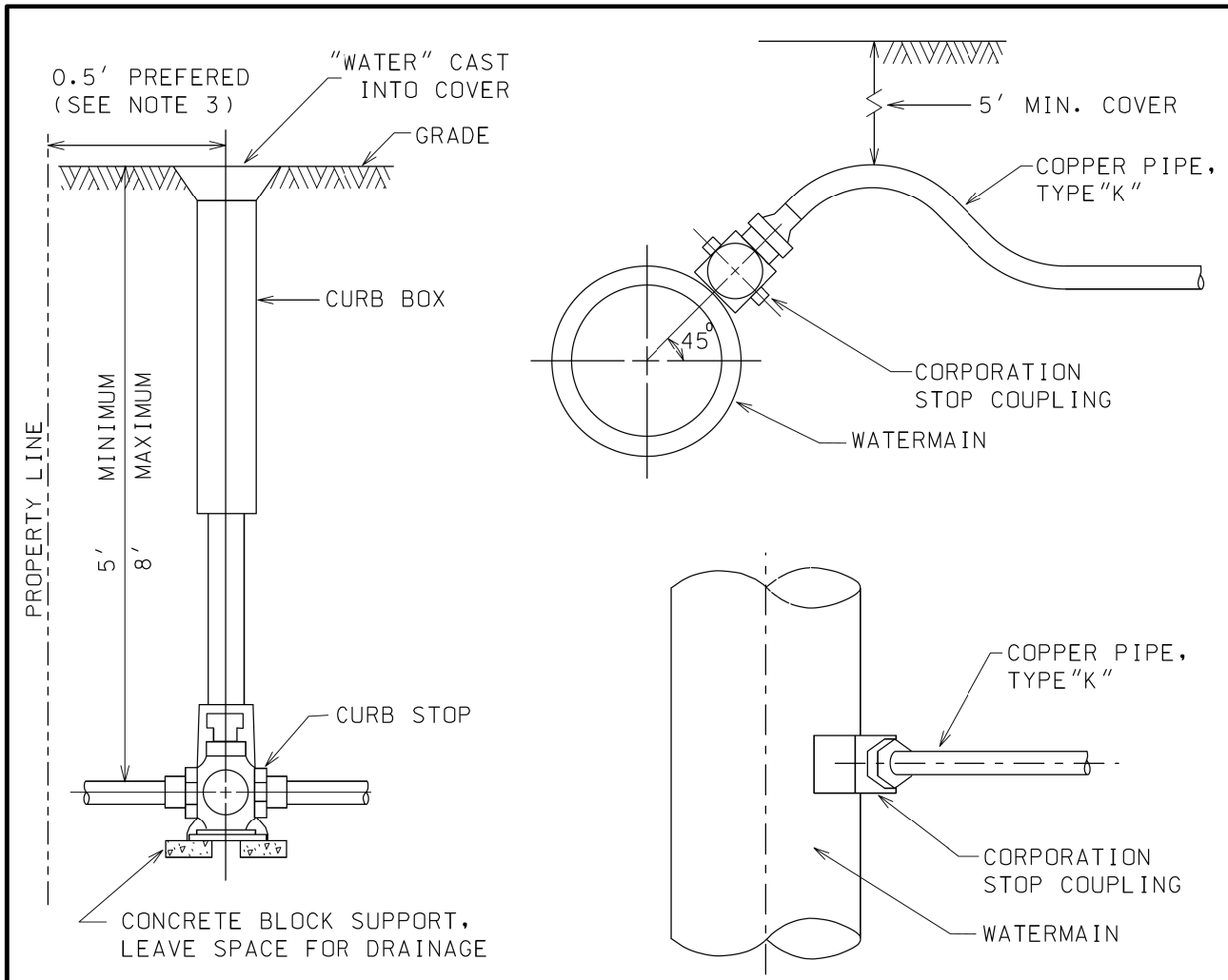
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		DRAWN - B.H.	REVISED -
	PLOT SCALE =	CHECKED -	REVISED -
	PLOT DATE =	DATE - 12-17-2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH 7TH AVENUE
UTILITY TYPICAL DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2951	19-0012-00-RS	KANE	43	35
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 6IG24	



A. CURB BOX:

1. MINNEAPOLIS PATTERN WITH 1-1/4" I.D. UPPER SECTION AND 2" TAPPED BASE."

B. CURB STOP:

MUELLER B-25155-N (1", 1 1/2", 2")
 FORD B-44-444-Q-NL 1"
 B-44-666-Q-NL 1 1/2"
 B-44-777-Q-NL 2"
 A.Y. McDONALD 76104-Q 1", 1 1/2", 2"
 Q SERIES BRASS

C. CORPORATION STOP:

MUELLER B-25008-N (1", 1-1/2", 2")
 FORD FB1000 -4-Q-NL 1"
 FB 1000-6-Q-NL 1-1/2"
 FB 1000-7-Q-NL 2"
 A.Y. McDONALD 74701-BQ 1", 1-1/2", 2"
 Q SERIES BRASS, WITH 90 SWIVEL ELBOW

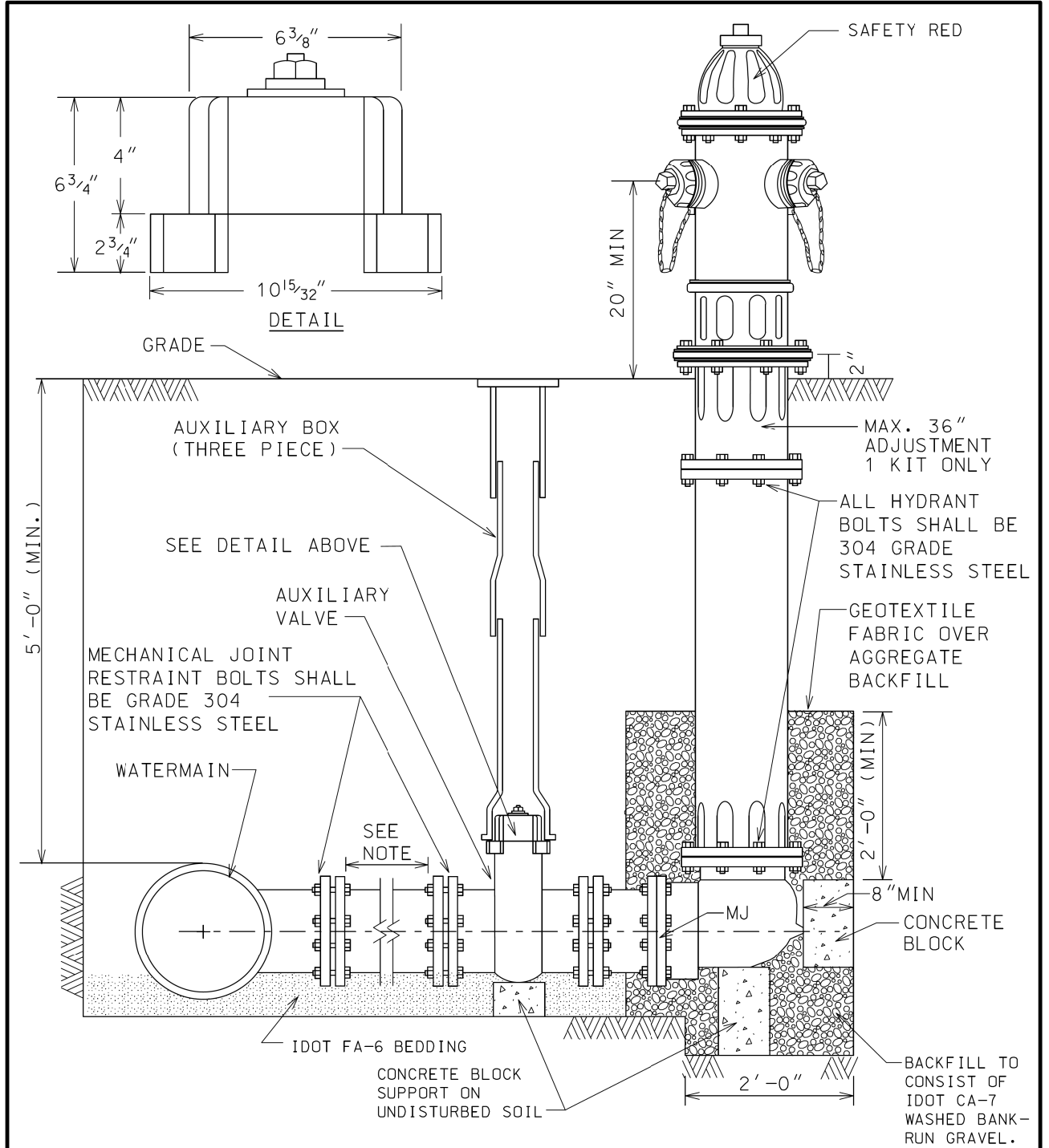
NOTES:

1. PIPE SIZE CAN VARY, BUT 1" MINIMUM. OTHER APPURTENANCES SHALL REFLECT SAME.
2. COPPER PIPE SHALL BE ONE PIECE BETWEEN TAP AND CURB BOX.
3. PLACE BETWEEN SIDEWALK AND PROPERTY LINE. KEEP BOXES OUT OF SIDEWALKS AND DRIVEWAY.
4. MINIMUM OF 3' BETWEEN TAPS AND 3' TO NEAREST JOINT.
5. 1" SERVICE MAY BE DIRECTLY TAPPED INTO 6" OR LARGER MAIN. LARGER SERVICES REQUIRE A FULL CIRCLE SADDLE MADE OF GRADE 304 STAINLESS STEEL WITH NYLON WASHERS AND NITRILE GASKETS

NOT TO SCALE
**COPPER
 WATER SERVICE
 CONNECTION
 DETAILS**

DATE: 12-16-19

A-3



HYDRANT SPECIFICATIONS:

MUELLER SUPER CENTURION 200, WATEROUS PACER MODEL
 WB-67-250, OR CLOW MEDALLION.
 MECHANICAL JOINT SHOE WITH 6" RESILIENT WEDGE AUXILIARY VALVE.
 5-1/4" VALVE OPENING
 5' MIN. COVER OVER HYDRANT LATERAL
 VALVE BOX SHALL HAVE AN INTERNAL VALVE BOX STABILIZER INSTALLED

NOT TO SCALE
**HYDRANT
 INSTALLATION**

DATE: 12-16-19

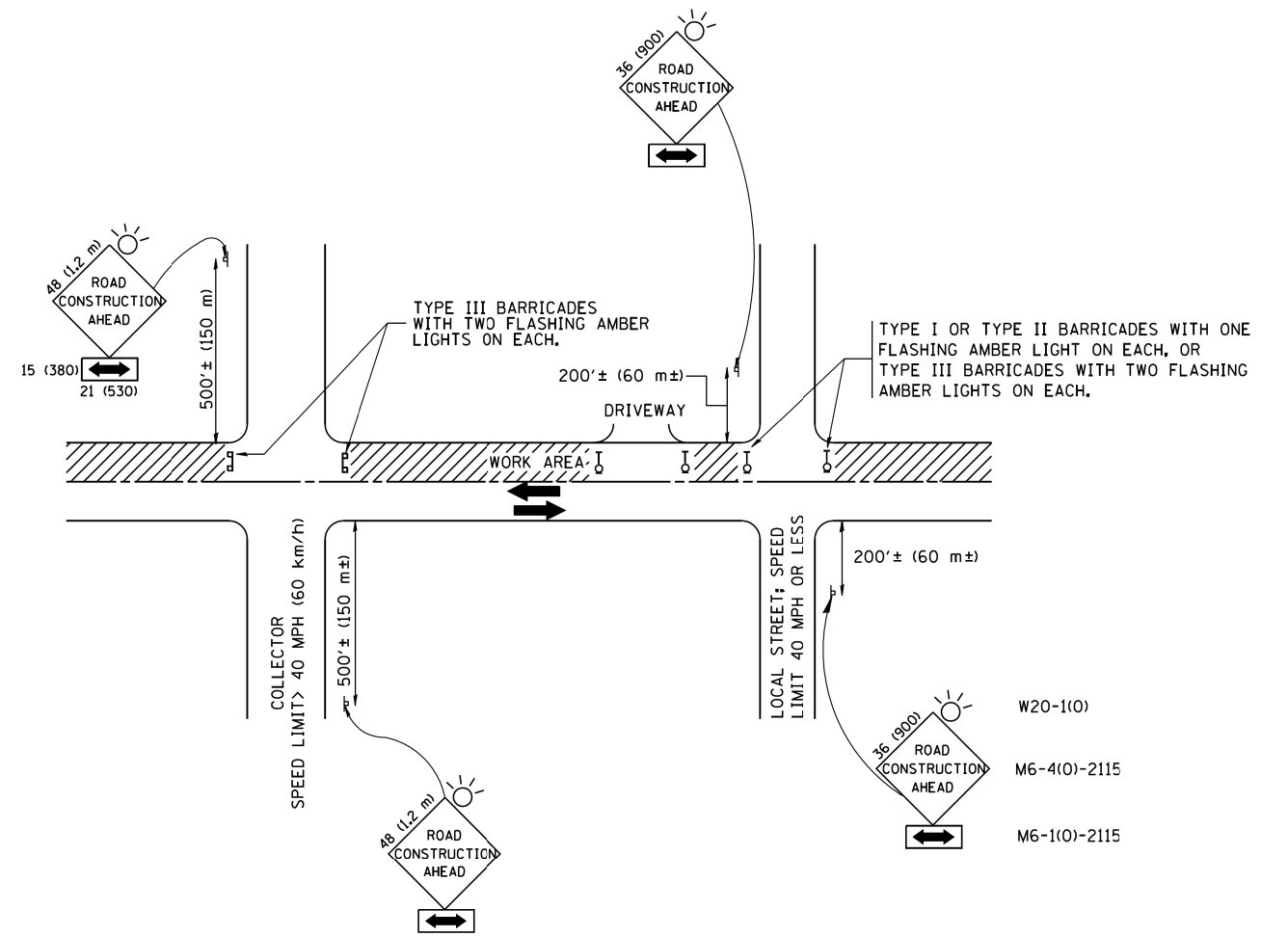
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		DRAWN - B.H.	REVISED -
	PLOT SCALE =	CHECKED -	REVISED -
	PLOT DATE =	DATE - 12-17-2019	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SOUTH 7TH AVENUE UTILITY TYPICAL DETAILS			
SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2951	19-0012-00-RS	KANE	43	36
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 6IG24 FED. AID PROJECT	



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

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

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 AND FLAG 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. 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).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

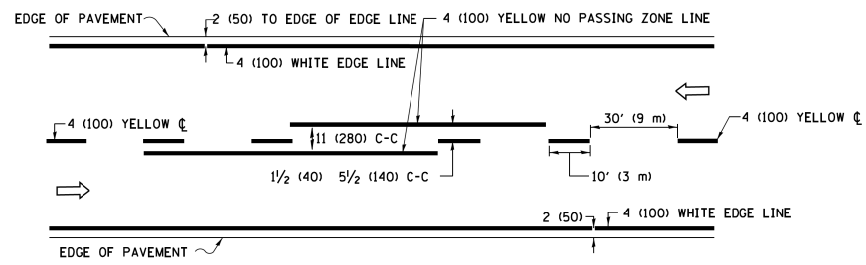
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

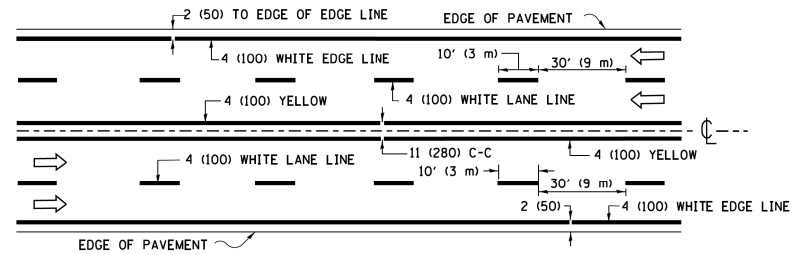
TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

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

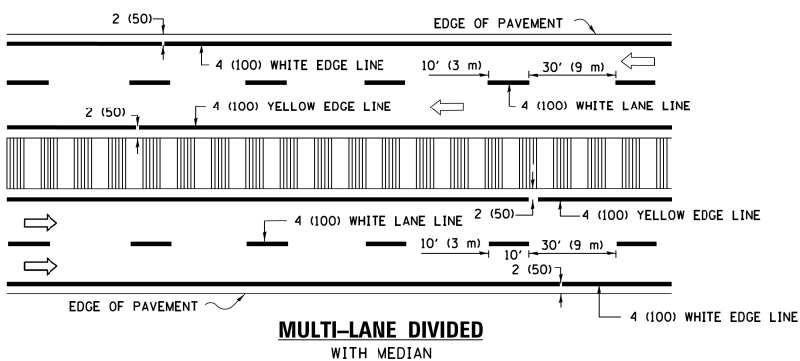
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2951	19-00112-00-RS	KANE	43	37
TC-10			CONTRACT NO. 61G24	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

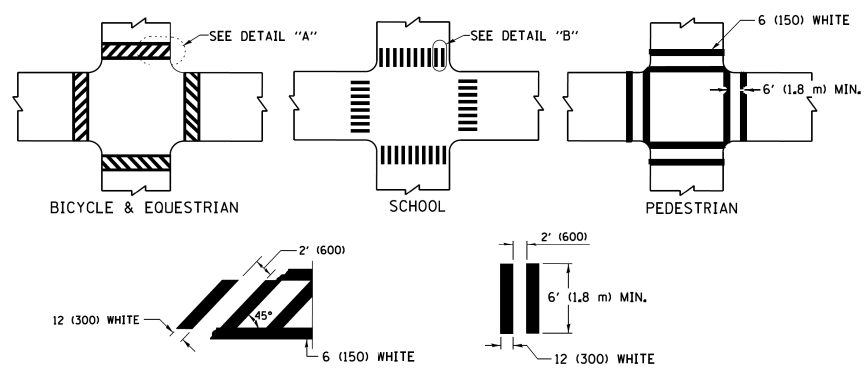


MULTI-LANE UNDIVIDED



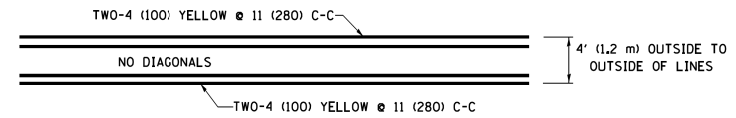
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

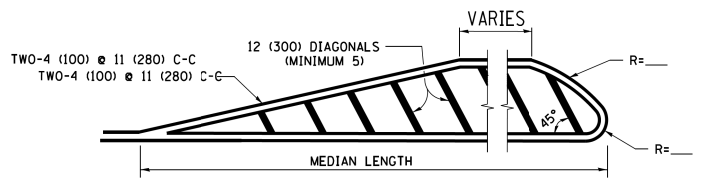


TYPICAL CROSSWALK MARKING

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

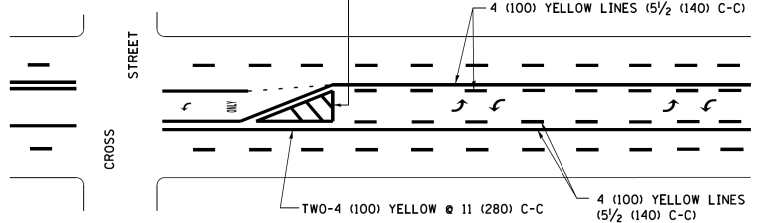


4' (1.2 m) WIDE MEDIANS ONLY



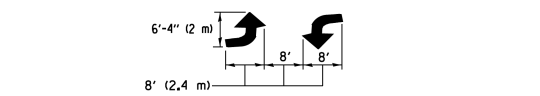
MEDIANS OVER 4' (1.2 m) WIDE

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

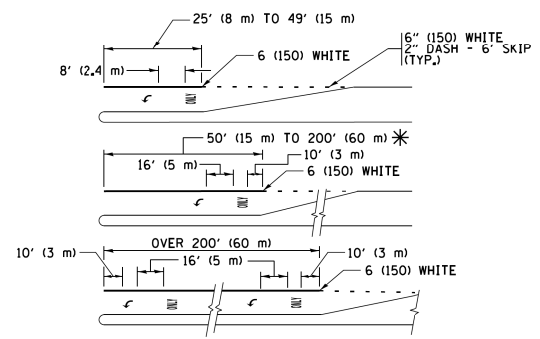


**MEDIAN WITH TWO-WAY LEFT TURN LANE
TYPICAL PAINTED MEDIAN MARKING**

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

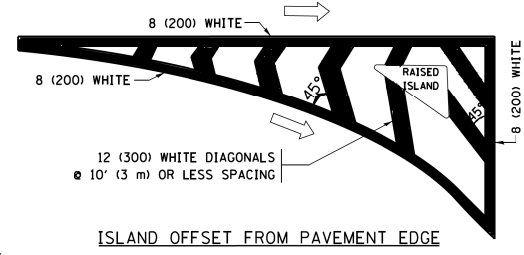


TYPICAL LEFT (OR RIGHT) TURN LANE MARKING

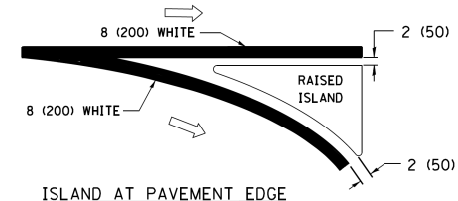


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

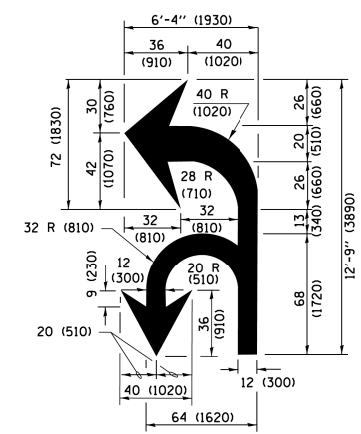
TYPICAL TURN LANE MARKING



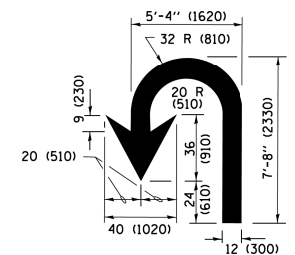
ISLAND OFFSET FROM PAVEMENT EDGE



**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 ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C 30 MPH (50 km/h) TO 45MPH (70 km/h) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

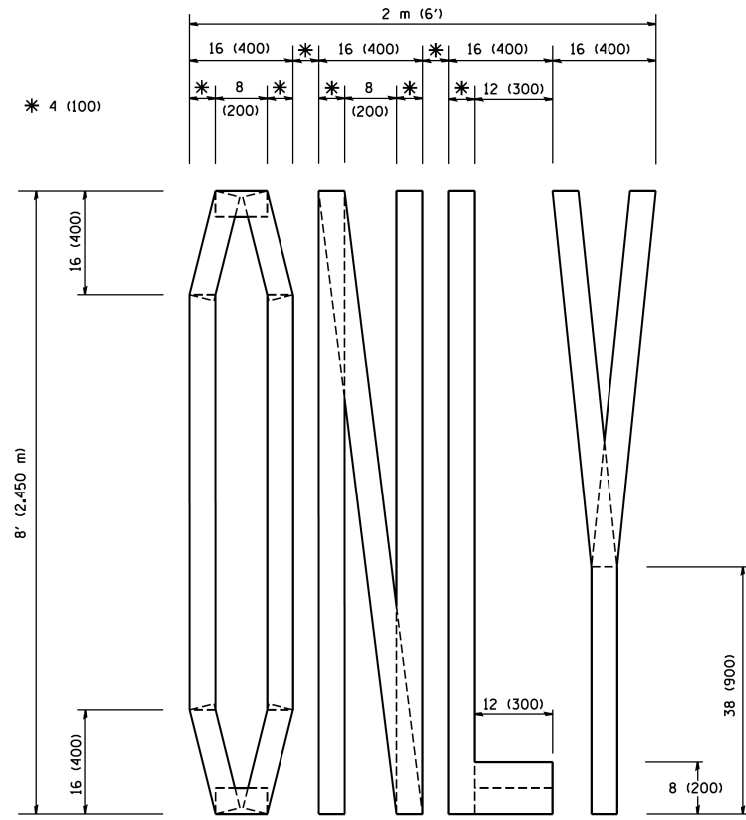
All dimensions are in inches (millimeters) unless otherwise shown.

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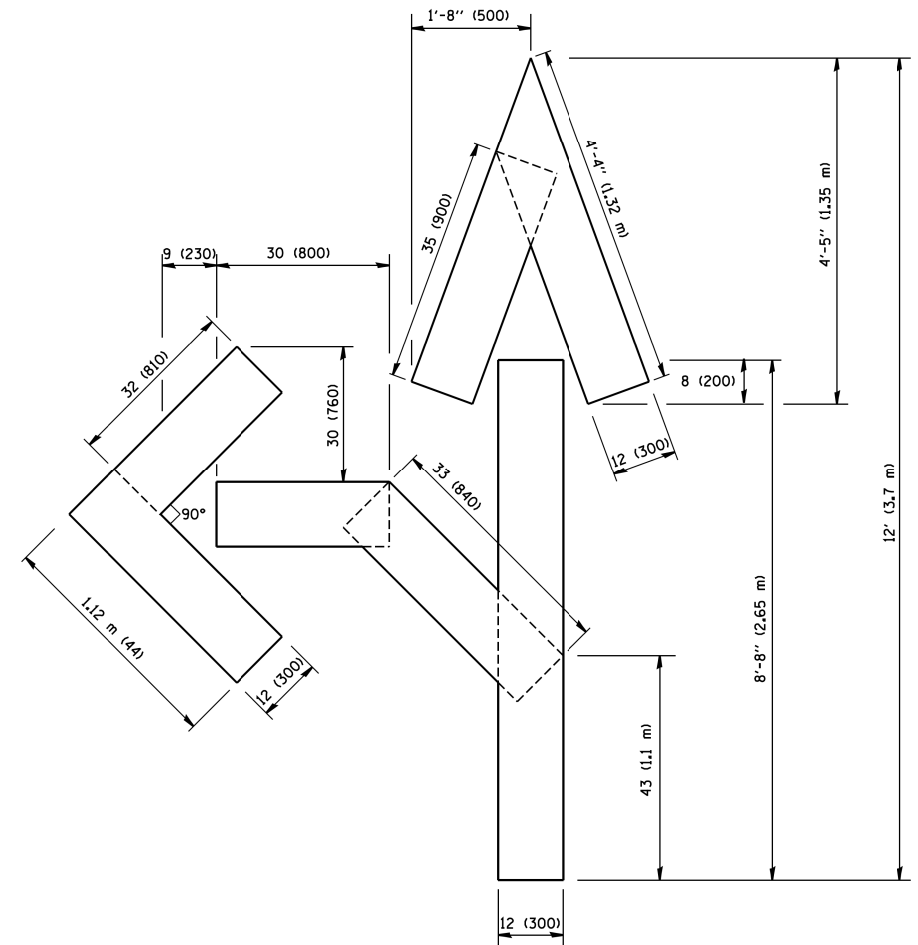
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE			
TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

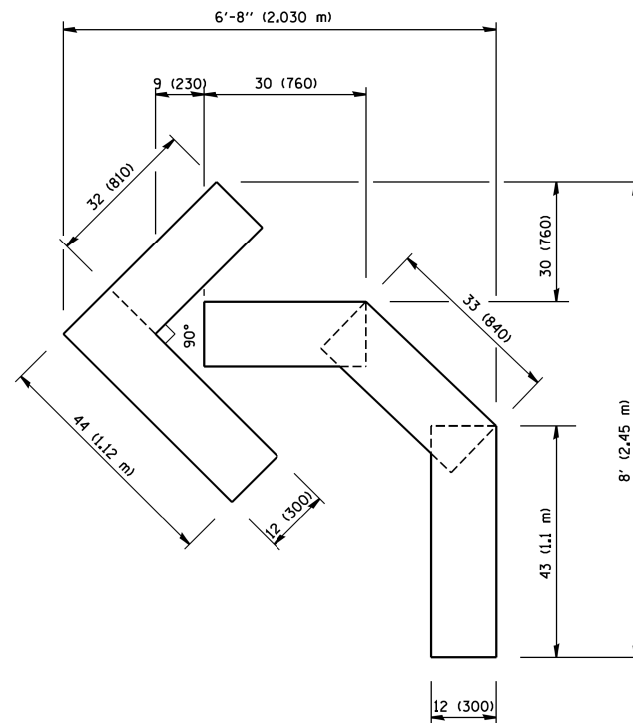
F.A.U R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2951	19-00112-00-RS	KANE	43	38
TC-13		CONTRACT NO.	61G24	
ILLINOIS FED. AID PROJECT				



QUANTITY
 4 (100) LINE = 64.1 ft. (19.7 m)
 21.1 sq. ft. (1.97 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.3 m)
 27.5 sq. ft. (2.53 sq. m)



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.39 sq. m)

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

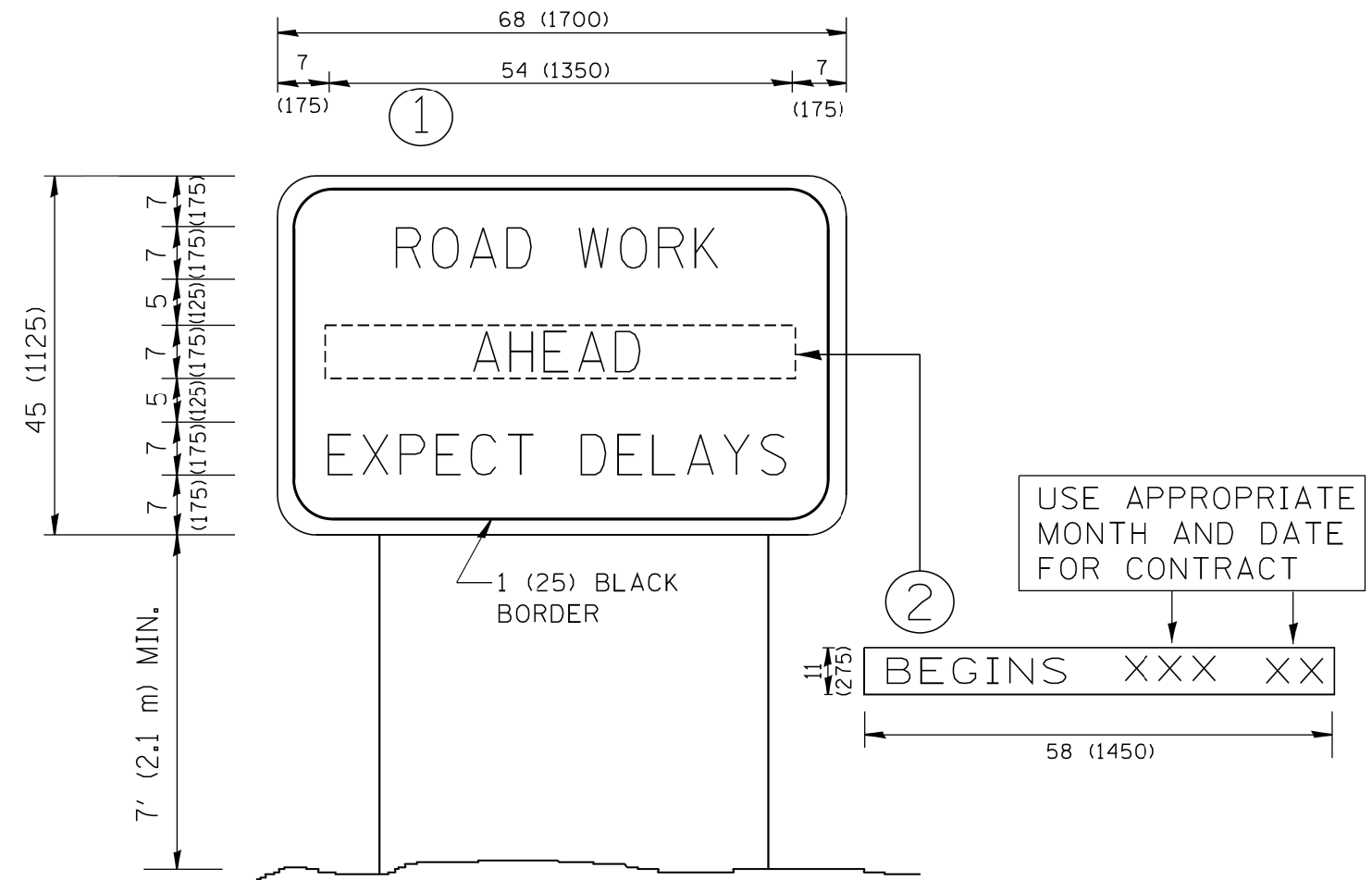
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	PLOT DATE = 1/4/2008	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2951	19-00112-00-RS	KANE	43	39
TC-16		CONTRACT NO. 61G24		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

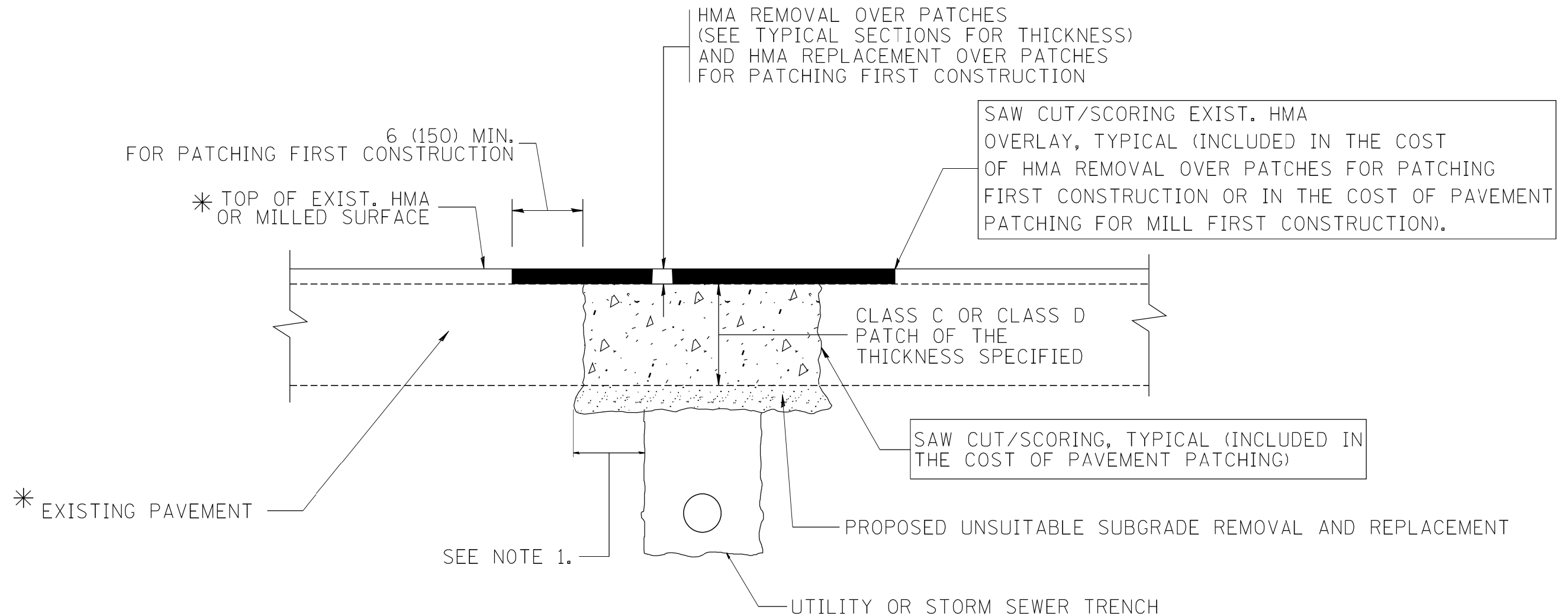


NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

FILE NAME = W:\diststd\22x34\tc22.dgn	USER NAME = gegl1enobt	DESIGNED - DRAWN -	REVISED - R. MIRS 09-15-97 REVISED - R. MIRS 12-11-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN			F.A.U. RTE. 2951	SECTION 19-00112-00-RS	COUNTY KANE	TOTAL SHEETS 43	SHEET NO. 40
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99		SCALE: NONE	SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.	TC-22 CONTRACT NO. 61G24	
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

FILE NAME = c:\projects\dststd22x34\bd22.dgn	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98
		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. BORO 09-04-07
	PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2951	19-00112-00-RS	KANE	43	41
BD400-04 (BD-22)		CONTRACT NO. 61G24		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

18" (450) MAX.

1/4" (5) * *

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- * * IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

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

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

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

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY,

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

- ② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED
- ③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
- ④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

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

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

BASIS OF PAYMENT:

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

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

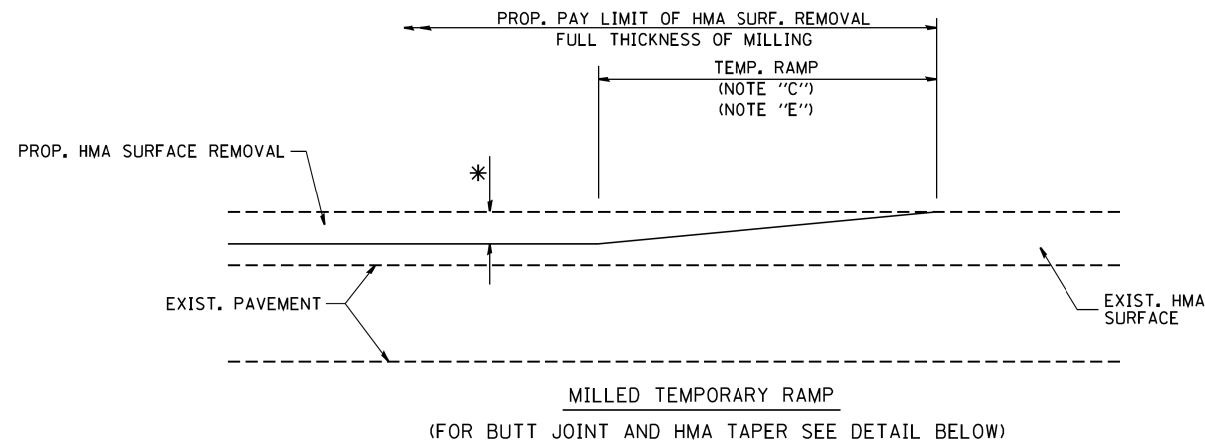
⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

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

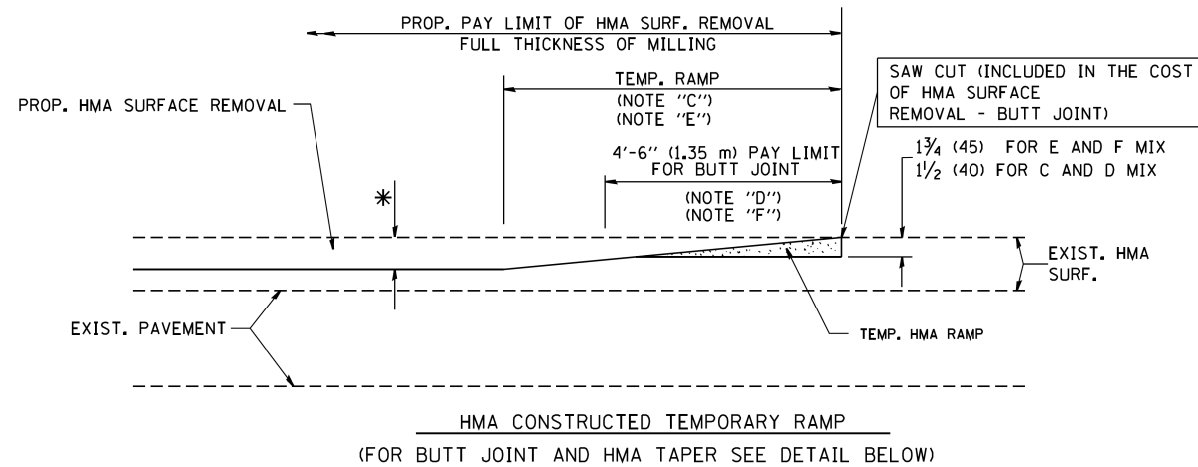
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = drivakosgn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
ci:\pwork\pwi\dot\drivakosgn\d0108315\bc24.dgn		DRAWN -	REVISED - A. ABBAS 03-21-97		SCALE: NONE	SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.	2951	19-00112-00-RS	KANE	43	42
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - M. GOMEZ 01-22-01									BD600-06 (BD-24)		CONTRACT NO. 61G24	
	PLOT DATE = 12/15/2009	DATE - 03-11-94	REVISED - R. BORO 12-15-09									FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

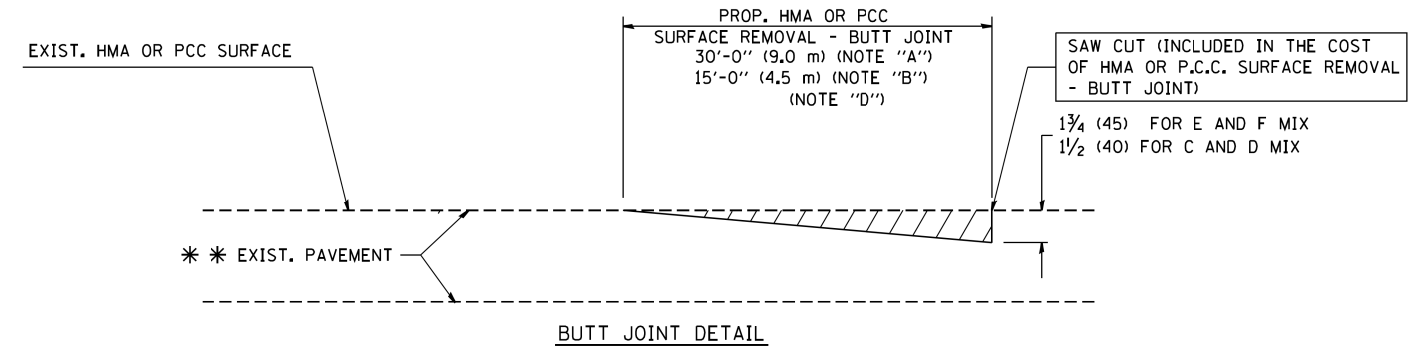


OPTION 1

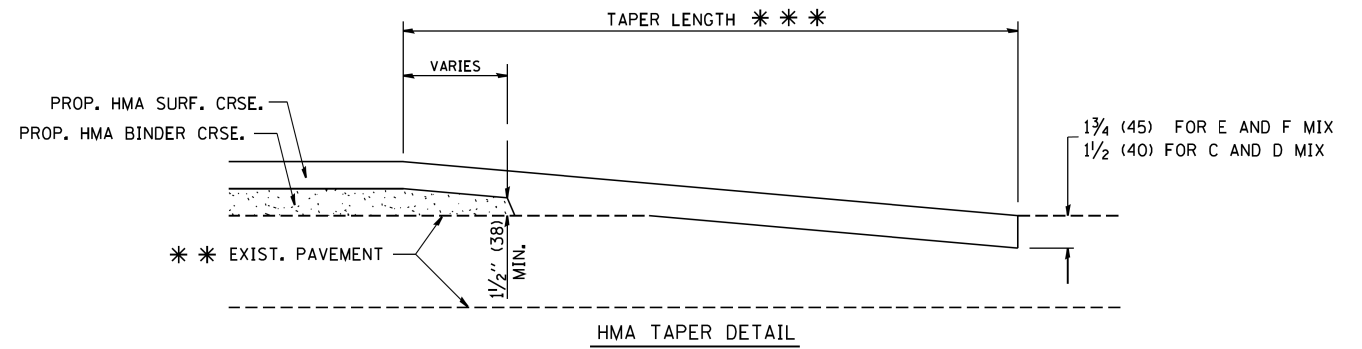


OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

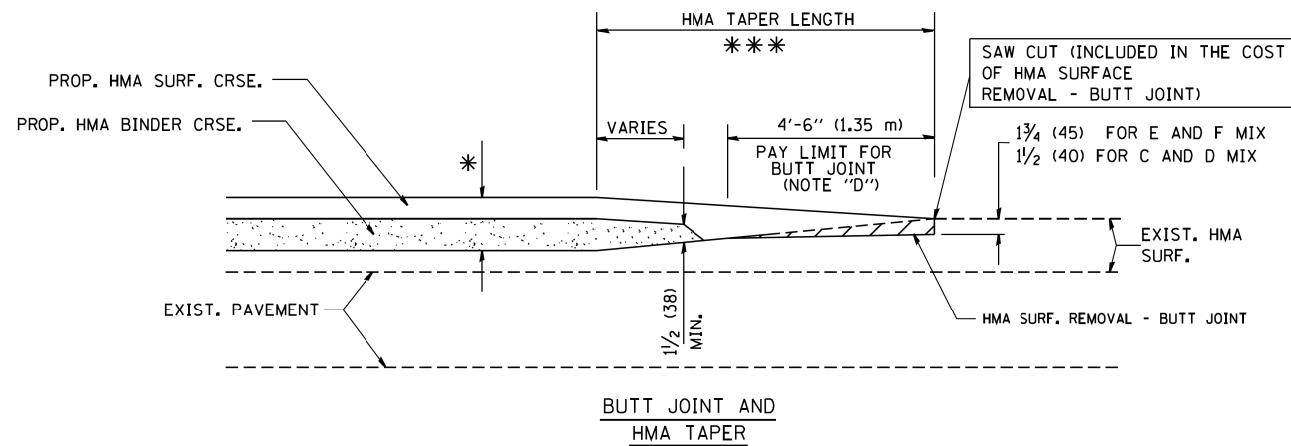
NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

FILE NAME = W:\diststd\22x34\bd32.dgn	USER NAME = gegl1enobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2951	19-00112-00-RS	KANE	43	43
BD400-05 BD32		CONTRACT NO. 61G24		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				