

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1379	17-00068-00-RS	DUPAGE	31	1
		ILLINOIS	CONTRACT NO. 61E26	

01-19-2018 LETTING ITEM 090

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

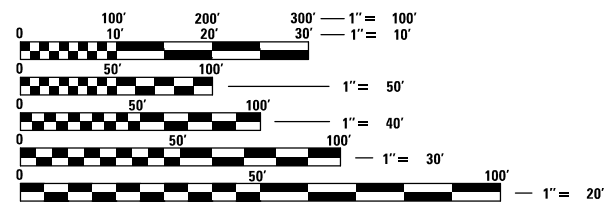
FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR LISTING OF HIGHWAY STANDARDS, SEE SHEET NO. 2

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU ROUTE 1379 (FULLERTON AVENUE)
BLOOMINGDALE ROAD TO GLEN ELLYN ROAD
RESURFACING
SECTION 17-00068-00-RS
PROJECT NO. 45YI(898)
VILLAGE OF GLENDALE HEIGHTS
DUPAGE COUNTY
JOB NO. C-91-192-17

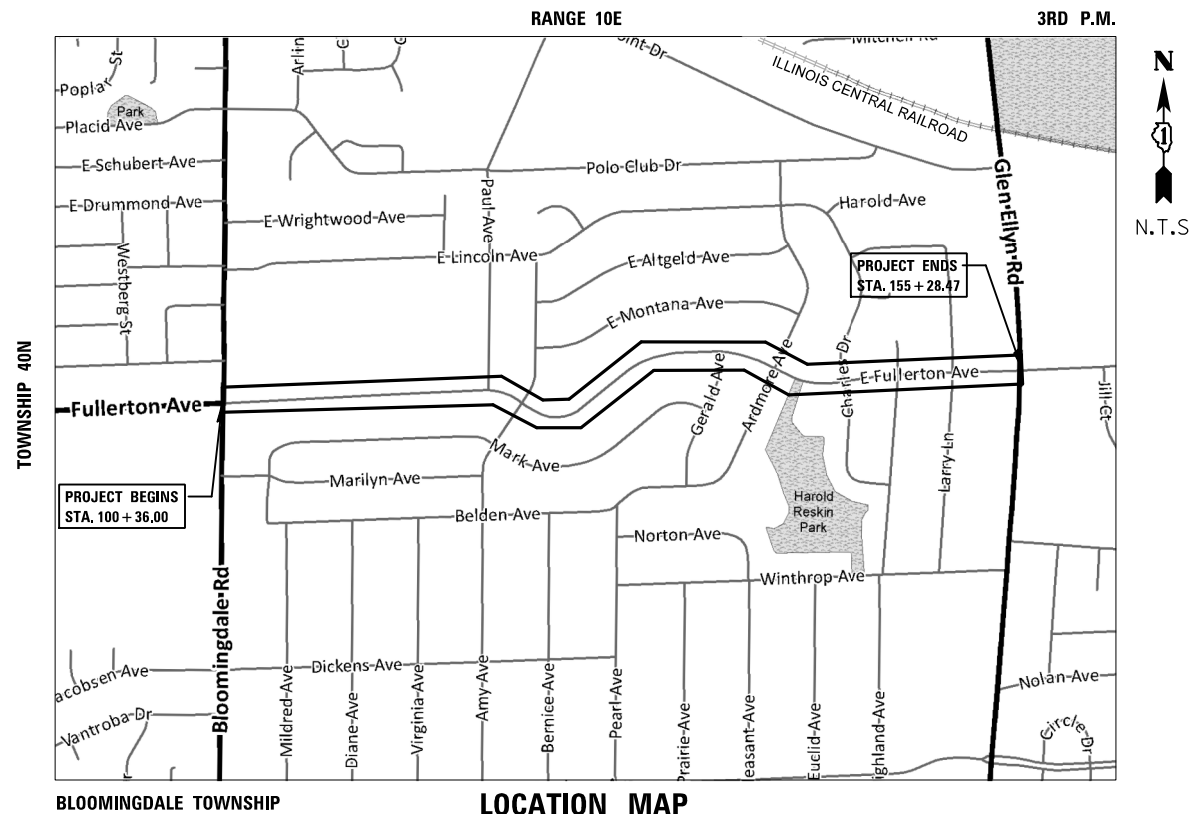


TRAFFIC DATA
ROUTE : MINOR ARTERIAL
POSTED SPEED = 25 M.P.H.
ADT (YEAR) = 6,351 (2015)



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



BLOOMINGDALE TOWNSHIP LOCATION MAP NOT TO SCALE

GROSS LENGTH = 5,492.47 FT. = 1.04 MILE
NET LENGTH = 5,492.47 FT. = 1.04 MILE



Andrew M. Pufundt
ENGINEER
10/4/2017 DATE
ANDREW M. PUFUNDT
ILLINOIS REGISTRATION No. 062-061729
EXPIRATION DATE: 11/30/2017

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED OCTOBER 4, 2017
Shirley Jackson
MAYOR, VILLAGE OF GLENDALE HEIGHTS

PASSED OCTOBER 27, 2017
Christopher Holt
DISTRICT ENGINEER OF LOCAL ROADS AND STREETS

RELEASED FOR BID
BASED ON LIMITED
REVIEW
OCTOBER 30, 2017
Anthony J. Crimley
REGIONAL ENGINEER

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OF THE STATE OF ILLINOIS

PROGRAM AND OFFICE ENGINEER: CHARLES RIDDLE, P.E. (847) 705-4406 SCHAUMBURG, IL

CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PROFESSIONAL DESIGN FIRM NO.: 184-00175
EXPIRATION DATE: APRIL 30, 2019

CONTRACT NO. 61E26

SUMMARY OF QUANTITIES

FUNDING SOURCE				STP 60% FED. 40% LOCAL	NON-PARTICIPATING 100% LOCAL
LOCATION OF WORK				FULLERTON AVENUE	
SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE 0005	CONSTRUCTION TYPE CODE 0043
CODE NO.	ITEM	UNIT			
~ *	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	0	30
~ *	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	0	90
~ *	20101100	TREE TRUNK PROTECTION	EACH	10	0
~ *	20101200	TREE ROOT PRUNING	EACH	10	0
~ *	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	5	0
~ *	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	5	0
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS	CU YD	390	0
*	20800150	TRENCH BACKFILL	CU YD	157	787
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1170	0
~ *	25200200	SUPPLEMENTAL WATERING	UNIT	20	0
	28000510	INLET FILTERS	EACH	64	0
*	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	390	0
	44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	23386	0
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	16575	0
	40600400	MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS	TON	35	0
	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	3438	0
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	240	0
	40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	2063	0
*	42400800	DETECTABLE WARNINGS	SQ FT	464	0
*	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	970	0
	44201713	CLASS D PATCHES, TYPE I, 6 INCH	SQ YD	707	0
	44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	951	0
	44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	1205	0
	44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	2431	0
*	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	10	0
*	550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	55	0
*	550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	20	0
*	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	45	0
*	550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	34	0
*	550A2340	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	FOOT	12	0
*	550A2540	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	FOOT	21	0
*	550A2550	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 21"	FOOT	57	0
*	550A2560	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	FOOT	36	0
*	550A2600	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 36"	FOOT	21	0

FUNDING SOURCE				STP 60% FED. 40% LOCAL	NON-PARTICIPATING 100% LOCAL
LOCATION OF WORK				FULLERTON AVENUE	
SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE 0005	CONSTRUCTION TYPE CODE 0043
CODE NO.	ITEM	UNIT			
	55100500	STORM SEWER REMOVAL 12"	FOOT	49	0
	55100900	STORM SEWER REMOVAL 18"	FOOT	78	0
	55101100	STORM SEWER REMOVAL 21"	FOOT	57	0
	55101200	STORM SEWER REMOVAL 24"	FOOT	91	0
	55101400	STORM SEWER REMOVAL 30"	FOOT	20	0
	55101600	STORM SEWER REMOVAL 36"	FOOT	21	0
~ *	56103000	DUCTILE IRON WATER MAIN 6"	FOOT	0	17
~ *	56103100	DUCTILE IRON WATER MAIN 8"	FOOT	0	463
~ *	56103200	DUCTILE IRON WATER MAIN 10"	FOOT	0	107
~ *	56105000	WATER VALVES 8"	EACH	0	4
~ *	56105100	WATER VALVES 10"	EACH	0	1
~ *	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	0	1
~ *	56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	0	1
~ *	56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	10	0
	60203905	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	0
~ *	60248700	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	0	5
*	60266600	WATER VALVE BOXES TO BE ADJUSTED	EACH	10	0
	60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	3	0
	67100100	MOBILIZATION	LSUM	1	0
	70102620	TRAFFIC CONTROL AND PROTECTION STANDARD 701501	LSUM	1	0
	70102635	TRAFFIC CONTROL AND PROTECTION STANDARD 701701	LSUM	1	0
	70102640	TRAFFIC CONTROL AND PROTECTION STANDARD 701801	LSUM	1	0
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	1650	0
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	550	0
~	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	215	0
~	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	6645	0
~	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1750	0
~	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	950	0
~	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	680	0
~ *	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2	0
~ *	88600600	DETECTOR LOOP REPLACEMENT	FOOT	1275	0
~ *	89502376	REBUILD EXISTING HANDHOLE	EACH	2	0
~ *	X2520700	SODDING, SPECIAL	SQ YD	3179	0
~ *	X0323449	REMOVE EXISTING WATER VALVE	EACH	0	1

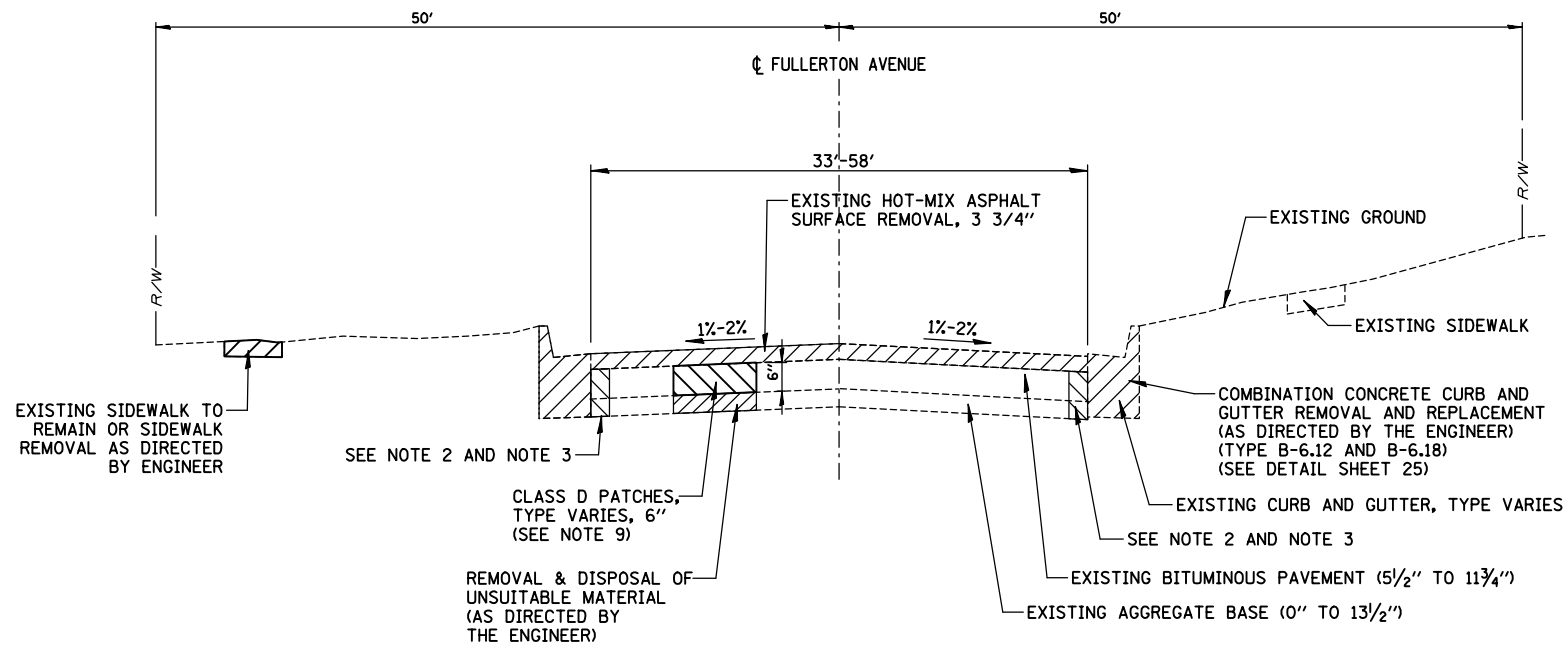
* INDICATES SPECIAL PROVISION
~ INDICATES SPECIALTY ITEM

SUMMARY OF QUANTITIES

FUNDING SOURCE				STP		NON-PARTICIPATING	
				60% FED. 40% LOCAL		100% LOCAL	
LOCATION OF WORK				FULLERTON AVENUE			
SUMMARY OF QUANTITIES				CONSTRUCTION TYPE		CONSTRUCTION TYPE	
CODE NO.	ITEM	UNIT	CONSTRUCTION CODE	CONSTRUCTION CODE	CONSTRUCTION CODE	CONSTRUCTION CODE	CONSTRUCTION CODE
* X0323677	STREET SWEEPING	HOUR	16	0005	0043	0	0
~ * X0324636	WATER VALVE BOXES TO BE ABANDONED	EACH	0			2	
* X0326802	UTILITY STRUCTURE REMOVAL	EACH	6			0	
* X0326862	STRUCTURES TO BE ADJUSTED	EACH	53			0	
~ * X0840000	SANITARY SEWER REMOVAL 8"	FOOT	0			316	
* X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	103			0	
* X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	2			0	
* X4023000	TEMPORARY ACCESS (ROAD)	EACH	15			0	
* X4230710	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH, SPECIAL	SQ YD	341			0	
* X4240420	PORTLAND CEMENT CONCRETE SIDEWALK, 4 INCH, SPECIAL	SQ FT	16115			0	
* X4404700	SIDEWALK REMOVAL (SPECIAL)	SQ FT	16115			0	
~ * X5610656	WATER MAIN TO BE ABANDONED, 6"	FOOT	0			95	
~ * X5610658	WATER MAIN TO BE ABANDONED, 8"	FOOT	0			175	
~ * X5610706	WATER MAIN REMOVAL, 6"	FOOT	0			182	
~ * X5610708	WATER MAIN REMOVAL, 8"	FOOT	0			5	
~ * X5610710	WATER MAIN REMOVAL, 10"	FOOT	0			107	
~ * X5630706	CONNECTION TO EXISTING WATER MAIN 6"	EACH	0			3	
~ * X5630708	CONNECTION TO EXISTING WATER MAIN 8"	EACH	0			2	
~ * X5630710	CONNECTION TO EXISTING WATER MAIN 10"	EACH	0			8	
* X6022712	CATCH BASINS, TYPE A, 4'-DIAMETER, WITH SPECIAL FRAME AND GRATE	EACH	1			0	
~ * X6022810	MANHOLES, SANITARY, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	0			2	
* X6023508	INLETS, TYPE A, WITH SPECIAL FRAME AND GRATE	EACH	2			0	
* X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	6			0	
* X6040205	FRAMES AND LIDS, SPECIAL	EACH	46			0	
* XX009049	REMOVE AND REPLACE CURB AND GUTTER (SPECIAL)	FOOT	4380			0	
* Z0004510	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"	SQ YD	629			0	
* Z0013798	CONSTRUCTION LAYOUT	LSUM	1			0	
* Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52			0	
* Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	5			0	
~ * Z0056900	SANITARY SEWER 8"	FOOT	0			316	
~ * X0321620	SANITARY SEWER REMOVAL 21"	FOOT	0			21	
~ * X0323814	SANITARY SEWER REMOVAL 18"	FOOT	0			21	
~ * Z0057300	SANITARY SEWER 18"	FOOT	0			21	
~ * Z0057400	SANITARY SEWER 21"	FOOT	0			21	
* XX006570	TREES (SPECIAL)	EACH	0			3	

* INDICATES SPECIAL PROVISION
~ INDICATES SPECIALTY ITEM

FILE NAME =	USER NAME = eachefer	DESIGNED - AJS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FULLERTON AVENUE RESURFACING SUMMARY OF QUANTITIES	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\GLENDALEHEIGHTS\040051C150\C151\1500_240051C150-02.dwg		DRAWN - AJS	REVISED -			1379	17-00068-00-RS		DUPAGE	31	4
PLOT SCALE = NOT TO SCALE		CHECKED - AMP	REVISED -			SCALE: NTS SHEET NO. OF SHEETS STA. TO STA.					
PLOT DATE = 11/21/2017		DATE - 11/21/2017	REVISED -			ILLINOIS FED. AID PROJECT CONTRACT NO. 61E26					



EXISTING TYPICAL SECTION
STA. 100+36.00 TO STA. 155+28.47, FULLERTON AVENUE

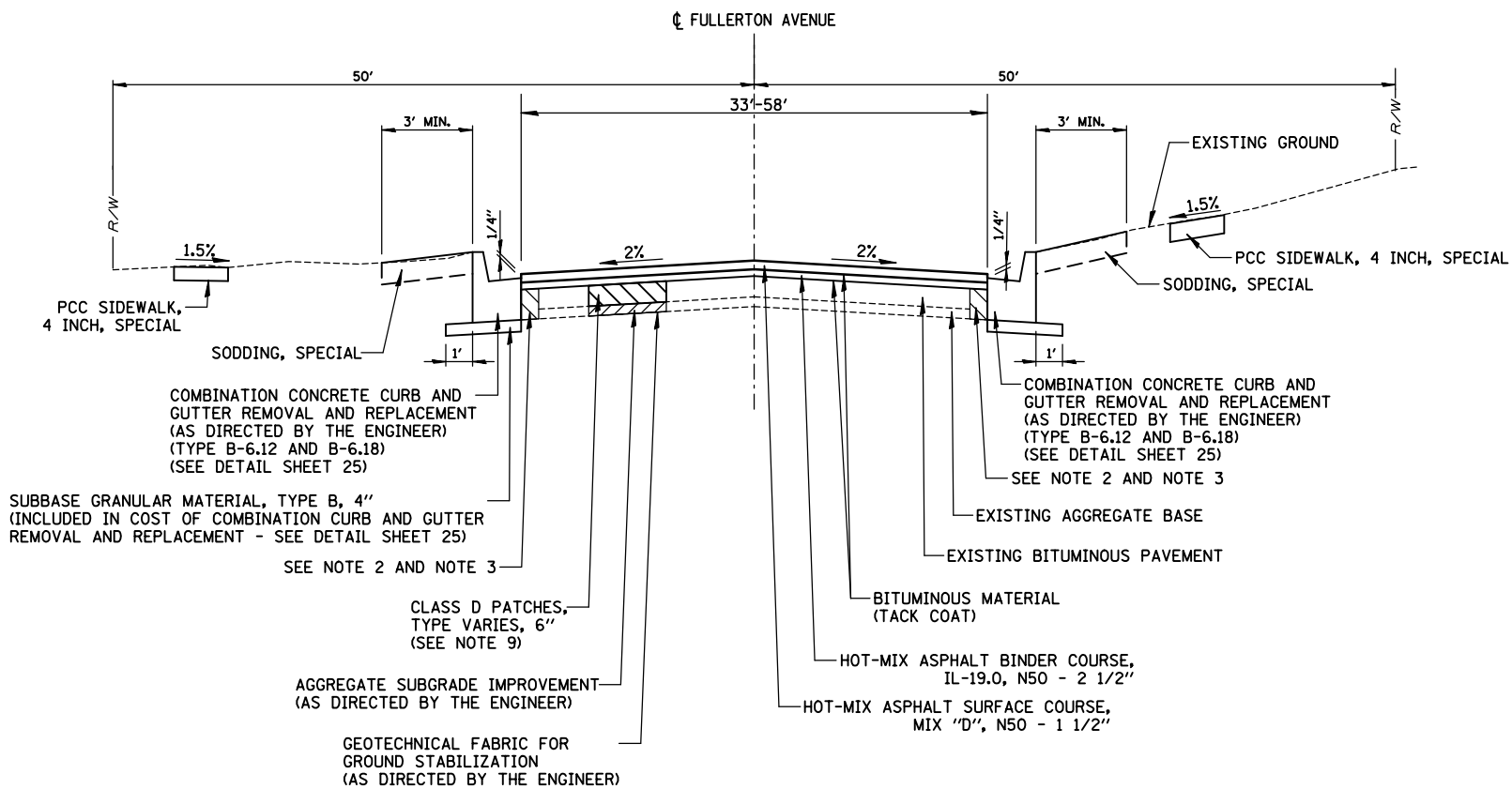
HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE ITEM	AIR VOIDS @ Ndes
PAVEMENT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5 MM), 1 1/2"	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/2"	4% @ 50 GYR
DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5 MM), 3"	4% @ 50 GYR
PATCHING	
CLASS D PATCHES, TYPE (SPECIFIED) 6 INCHES (HMA BINDER IL-19 MM) NOTE: SAW CUT PATCHES PRIOR TO REMOVAL	4% @ 70 GYR

NOTES:

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

FOR HMA FULL DEPTH "AC TYPE" SEE SPECIAL PROVISIONS.

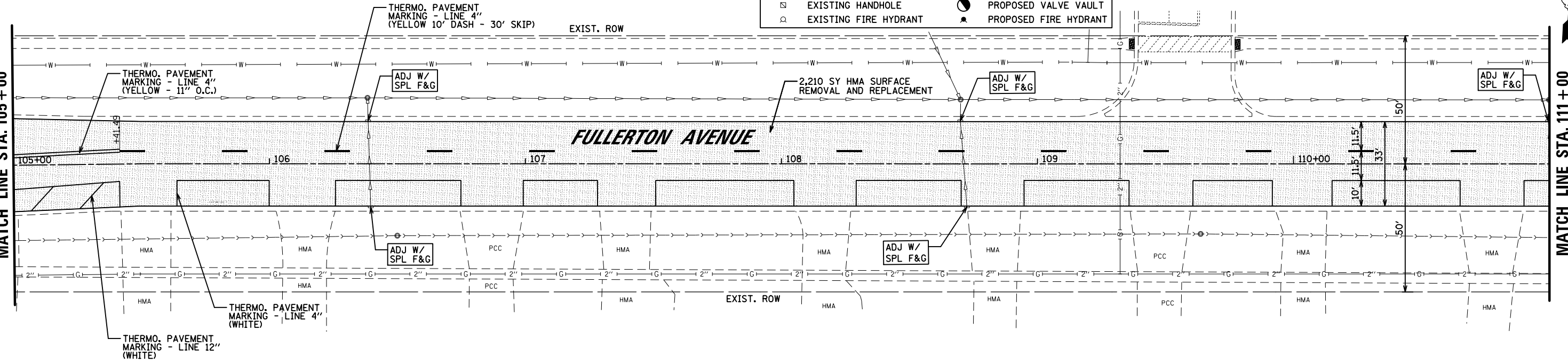
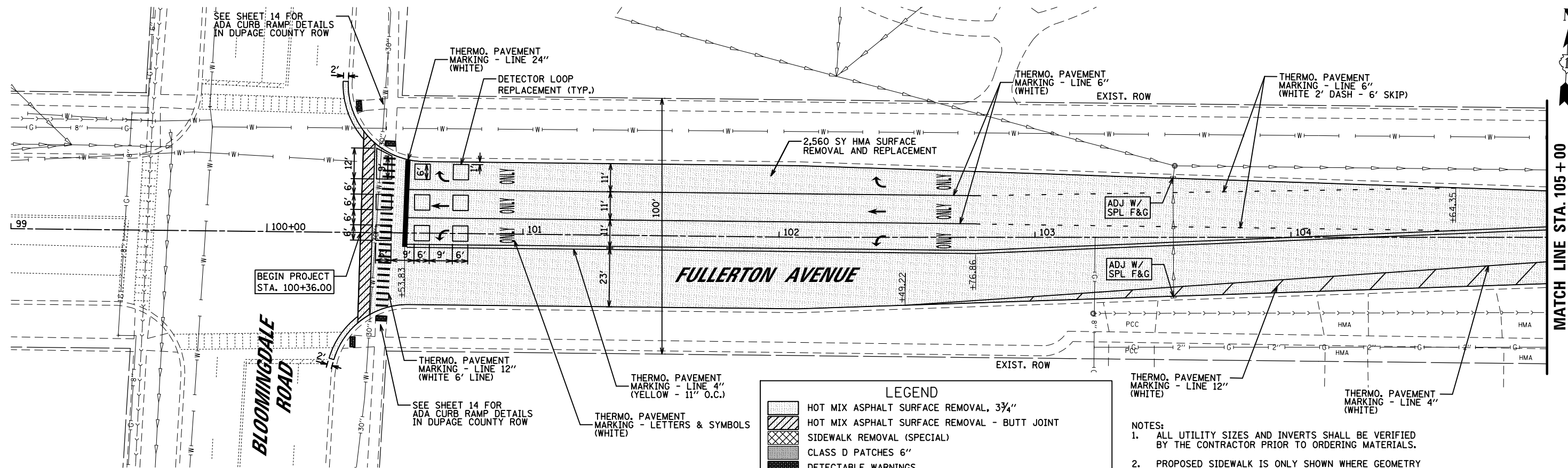
FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.



PROPOSED TYPICAL SECTION
STA. 100+36.00 TO STA. 155+28.47, FULLERTON AVENUE

NOTES:

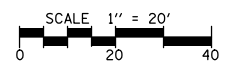
1. ANY PAVEMENT REMOVAL REQUIRED FOR CONSTRUCTION OF COMBINATION CONCRETE CURB AND GUTTER SHALL BE REPLACED WITH P.C.C. (CLASS SI) AND SHALL BE VIBRATED IN PLACE. COST FOR PAVEMENT REMOVAL AND P.C.C. (CLASS SI) SHALL BE INCLUDED IN THE UNIT PRICE FOR COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT.
2. CONTRACTOR SHALL SAWCUT PAVEMENT PRIOR TO REMOVING THE CURB.
3. PAVEMENT REMOVAL ADJACENT TO PROPOSED CURB AND GUTTER SHALL BE INCLUDED IN THE COST OF THE PROPOSED CURB AND GUTTER.
4. LIMITS OF CURB AND GUTTER REPAIR WORK TO BE MARKED IN FIELD BY ENGINEER PRIOR TO CONSTRUCTION.
5. ALL WORK INCLUDING SOD MUST BE COMPLETED AND APPROVED BY ENGINEER PRIOR TO FINAL PAYOUT.
6. FOR ROADWAYS WITH DIFFERING ELEVATIONS AT THE EDGE OF PAVEMENT, CONTRACTOR SHALL PAVE THE SIDE WITH THE HIGHER ELEVATION FIRST.
7. CONTRACTOR SHALL MILL PRIOR TO PATCHING.
8. CONTRACTOR SHALL VERIFY CROSS SLOPE OF ROADWAY MEETS 2%. ANY AREAS THAT DO NOT MEET THIS REQUIREMENT SHALL BE CORRECTED BY THE CONTRACTOR PRIOR TO PAYMENT.
9. PAVEMENT PATCHING WITHIN THE DUPAGE COUNTY R.O.W. SHALL BE 3" OF HOT-MIX ASPHALT SURFACE COURSE OVER A MINIMUM OF 12" (OR MATCH EXISTING, WHICHEVER IS GREATER) OF CLASS PP PORTLAND CEMENT CONCRETE.
10. NO ADDITIONAL COMPENSATION SHALL BE CONSIDERED FOR PETROMAT (FABRIC) ENCOUNTERED DURING GRINDING OPERATIONS.



LEGEND

	HOT MIX ASPHALT SURFACE REMOVAL, 3 3/4"		PROPOSED MANHOLE
	HOT MIX ASPHALT SURFACE REMOVAL - BUTT JOINT		PROPOSED CATCH BASIN
	SIDEWALK REMOVAL (SPECIAL)		PROPOSED INLET
	CLASS D PATCHES 6"		PROPOSED VALVE VAULT
	DETECTABLE WARNINGS		PROPOSED FIRE HYDRANT
	STRUCTURES TO BE ADJUSTED		
	STRUCTURES TO BE ADJUSTED WITH SPECIAL FRAME AND GRATE		
	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)		
	VALVE BOXES TO BE ADJUSTED		

- NOTES:**
- ALL UTILITY SIZES AND INVERTS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS.
 - PROPOSED SIDEWALK IS ONLY SHOWN WHERE GEOMETRY CHANGES SHALL BE MADE TO SIDEWALK CURB RAMPS AT THE DIRECTION OF THE ENGINEER. ALL CURB RAMPS WITHIN THE PROJECT LIMITS SHALL BE RECONSTRUCTED IN ACCORDANCE WITH ADA STANDARDS.
 - ANY PORTION OF THERMOPLASTIC PAVEMENT MARKINGS IN THE DUPAGE COUNTY R.O.W. THAT ARE DAMAGED SHALL BE REPLACED IN KIND.

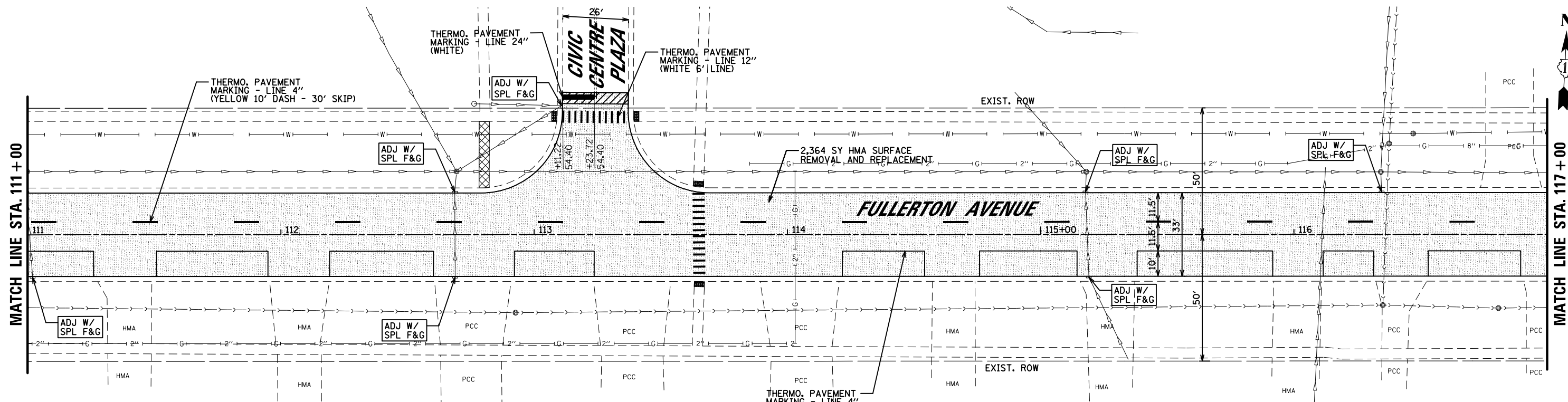


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		CHECKED - AMP	REVISED -
		DATE - 11/7/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

FULLERTON AVENUE RESURFACING PROPOSED PLAN			
SCALE: 40'	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1379	17-00068-00-R5	DUPAGE	31	6
CONTRACT NO. 61E26				
ILLINOIS FED. AID PROJECT				

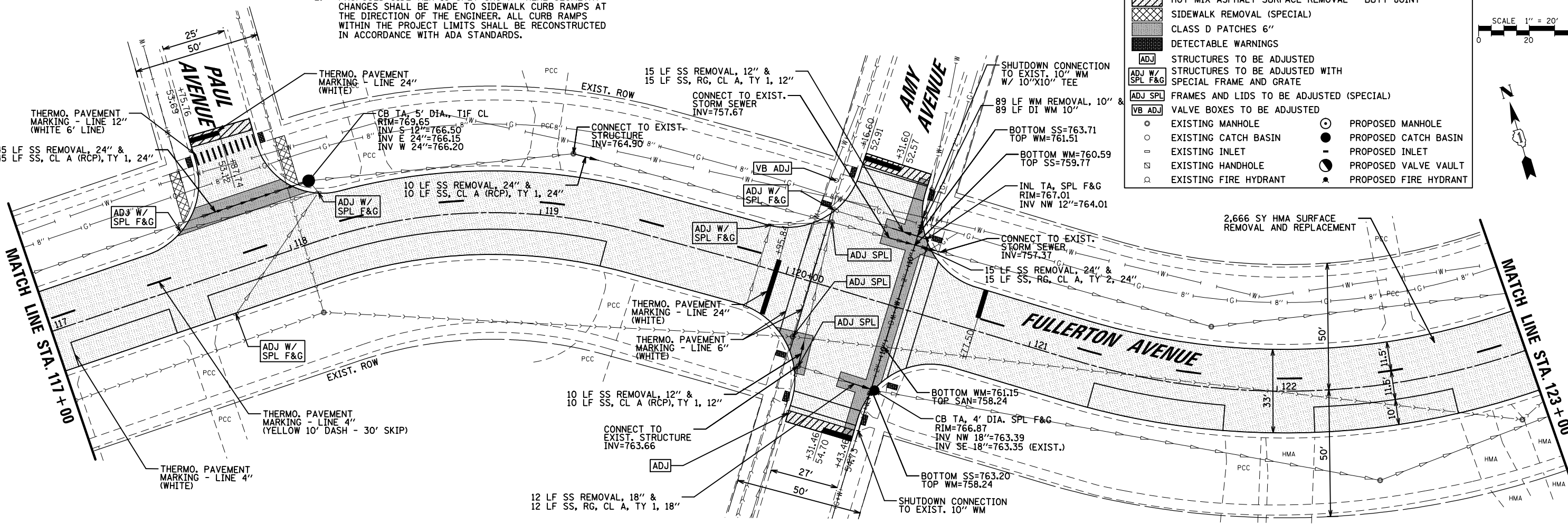
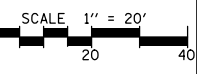


NOTES:

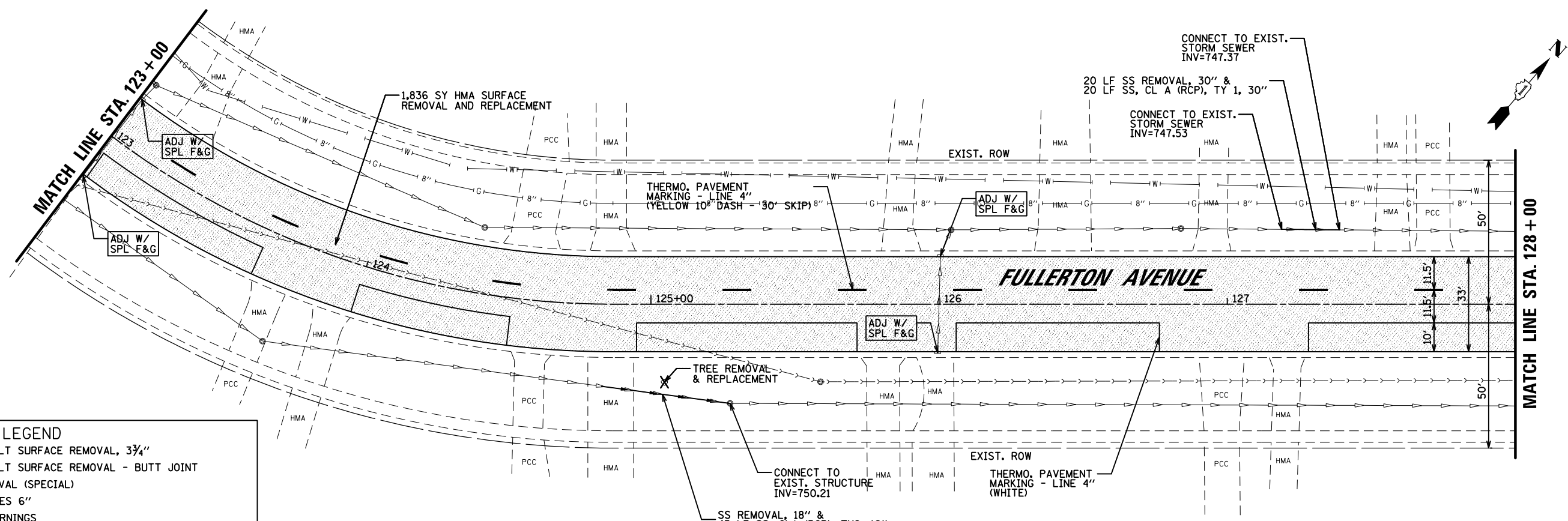
1. ALL UTILITY SIZES AND INVERTS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS.
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LEGEND

- HOT MIX ASPHALT SURFACE REMOVAL, 3 3/4"
- HOT MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- SIDEWALK REMOVAL (SPECIAL)
- CLASS D PATCHES 6"
- DETECTABLE WARNINGS
- STRUCTURES TO BE ADJUSTED
- STRUCTURES TO BE ADJUSTED WITH SPECIAL FRAME AND GRATE
- FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
- VALVE BOXES TO BE ADJUSTED
- EXISTING MANHOLE
- PROPOSED MANHOLE
- EXISTING CATCH BASIN
- PROPOSED CATCH BASIN
- EXISTING INLET
- PROPOSED INLET
- EXISTING HANDHOLE
- PROPOSED VALVE VAULT
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT



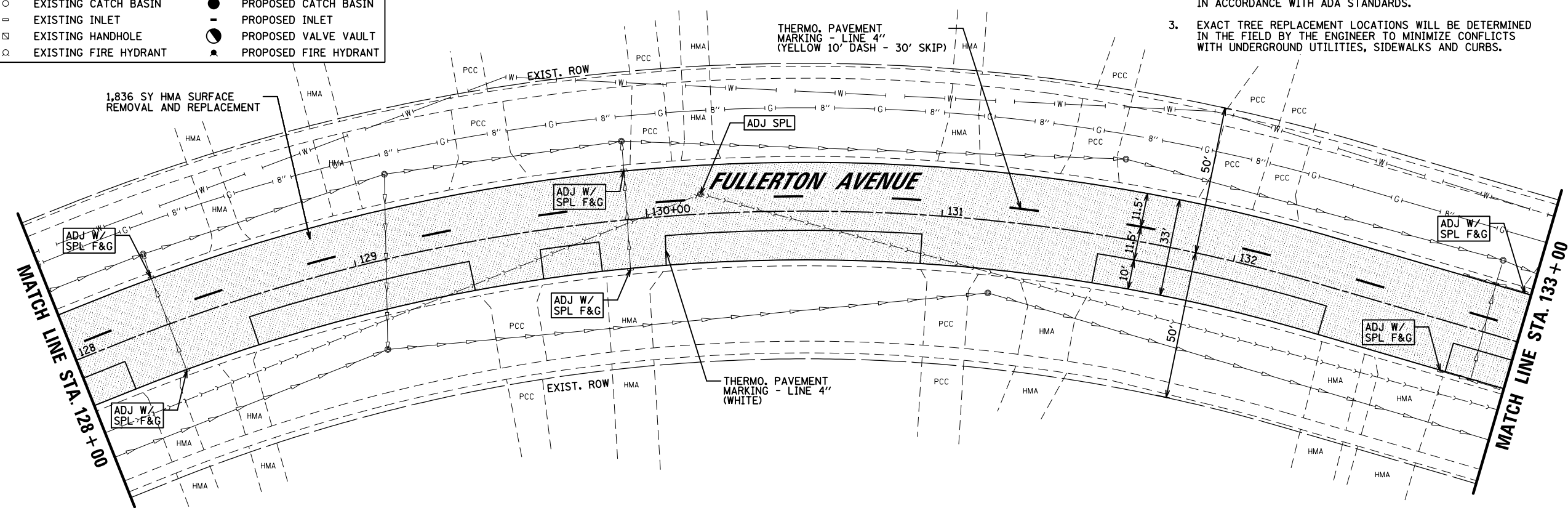
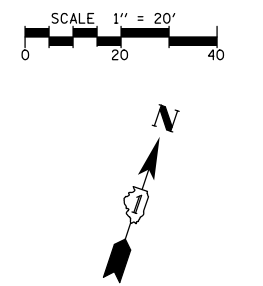
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PLOT SCALE = 40'	CHECKED - AMP	REVISIED -	REVISIED -					SCALE: 40'	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 61E26		
PLOT DATE = 11/7/2017	DATE - 11/7/2017	REVISIED -	REVISIED -					ILLINOIS FED. AID PROJECT							



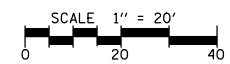
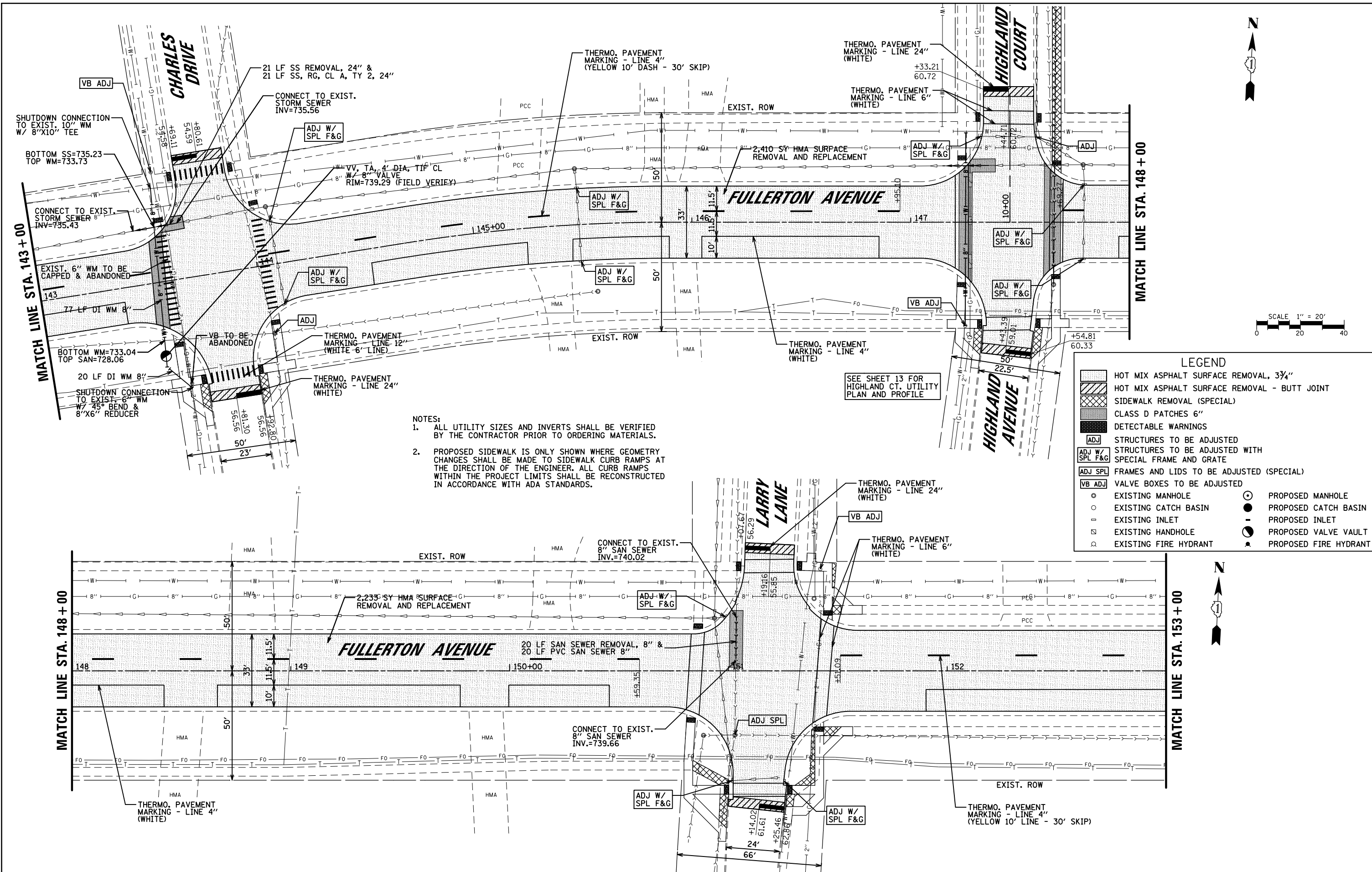
LEGEND

	HOT MIX ASPHALT SURFACE REMOVAL, 3 3/4"		
	HOT MIX ASPHALT SURFACE REMOVAL - BUTT JOINT		
	SIDEWALK REMOVAL (SPECIAL)		
	CLASS D PATCHES 6"		
	DETECTABLE WARNINGS		
	STRUCTURES TO BE ADJUSTED		
	STRUCTURES TO BE ADJUSTED WITH SPECIAL FRAME AND GRATE		
	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)		
	VALVE BOXES TO BE ADJUSTED		
	EXISTING MANHOLE		PROPOSED MANHOLE
	EXISTING CATCH BASIN		PROPOSED CATCH BASIN
	EXISTING INLET		PROPOSED INLET
	EXISTING HANDHOLE		PROPOSED VALVE VAULT
	EXISTING FIRE HYDRANT		PROPOSED FIRE HYDRANT

- NOTES:**
- ALL UTILITY SIZES AND INVERTS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS.
 - PROPOSED SIDEWALK IS ONLY SHOWN WHERE GEOMETRY CHANGES SHALL BE MADE TO SIDEWALK CURB RAMPS AT THE DIRECTION OF THE ENGINEER. ALL CURB RAMPS WITHIN THE PROJECT LIMITS SHALL BE RECONSTRUCTED IN ACCORDANCE WITH ADA STANDARDS.
 - EXACT TREE REPLACEMENT LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER TO MINIMIZE CONFLICTS WITH UNDERGROUND UTILITIES, SIDEWALKS AND CURBS.



FILE NAME =	USER NAME = aschaefer	DESIGNED - AJS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FULLERTON AVENUE RESURFACING PROPOSED PLAN			F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\GLENDALE\RIGHTS\040051C150\Civil\PLN\040051C150_03.sht	PLLOT SCALE = 48'	DRAWN - AJS	REVISED -					1379	17-00068-00-R5	DUPAGE	31	8
PLLOT DATE = 11/7/2017	DATE - 11/7/2017	CHECKED - AMP	REVISED -					CONTRACT NO. 61E26				
								ILLINOIS FED. AID PROJECT				



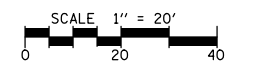
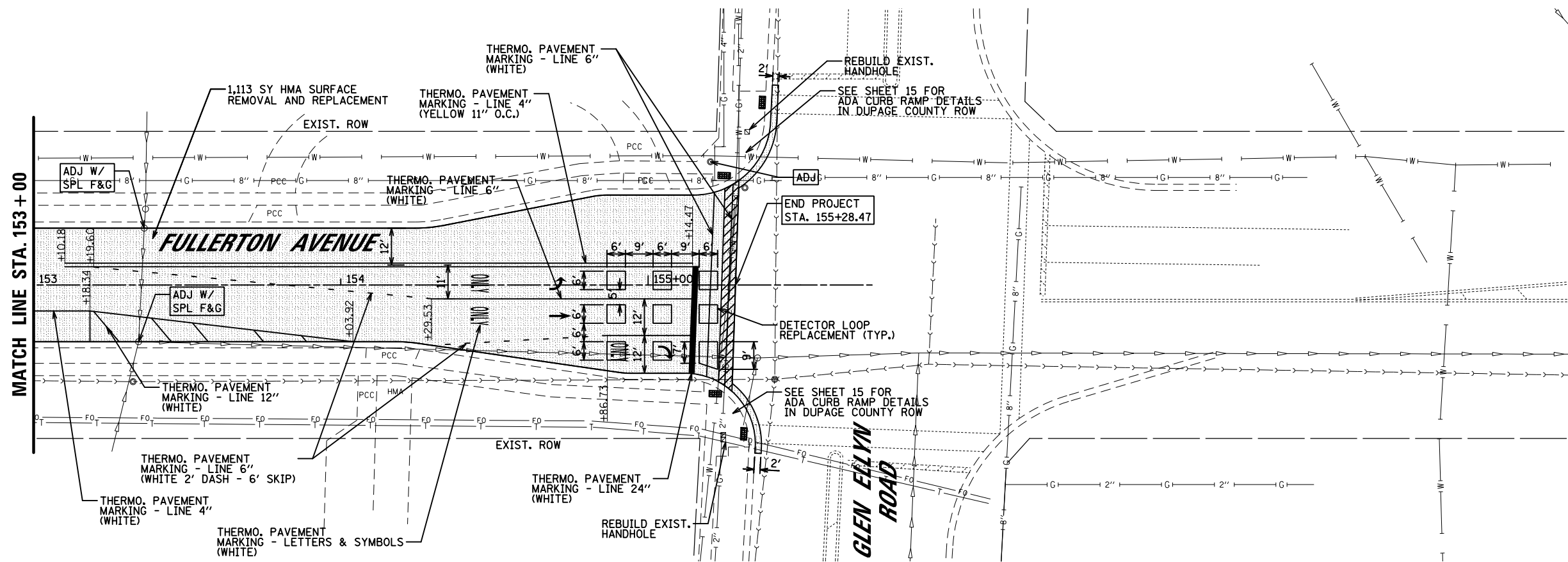
- NOTES:**
1. ALL UTILITY SIZES AND INVERTS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS.
 2. PROPOSED SIDEWALK IS ONLY SHOWN WHERE GEOMETRY CHANGES SHALL BE MADE TO SIDEWALK CURB RAMPS AT THE DIRECTION OF THE ENGINEER. ALL CURB RAMPS WITHIN THE PROJECT LIMITS SHALL BE RECONSTRUCTED IN ACCORDANCE WITH ADA STANDARDS.

LEGEND

	HOT MIX ASPHALT SURFACE REMOVAL, 3 3/4"		EXISTING MANHOLE		PROPOSED MANHOLE
	HOT MIX ASPHALT SURFACE REMOVAL - BUTT JOINT		EXISTING CATCH BASIN		PROPOSED CATCH BASIN
	SIDEWALK REMOVAL (SPECIAL)		EXISTING INLET		PROPOSED INLET
	CLASS D PATCHES 6"		EXISTING HANDHOLE		PROPOSED VALVE VAULT
	DETECTABLE WARNINGS		EXISTING FIRE HYDRANT		PROPOSED FIRE HYDRANT
	STRUCTURES TO BE ADJUSTED				
	STRUCTURES TO BE ADJUSTED WITH SPECIAL FRAME AND GRATE				
	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)				
	VALVE BOXES TO BE ADJUSTED				



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PLOT SCALE = 48'	CHECKED - AMP	REVISIED -	SCALE: 48'			SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 61E26				
PLOT DATE = 11/7/2017	DATE - 11/7/2017	REVISIED -						ILLINOIS FED. AID PROJECT				



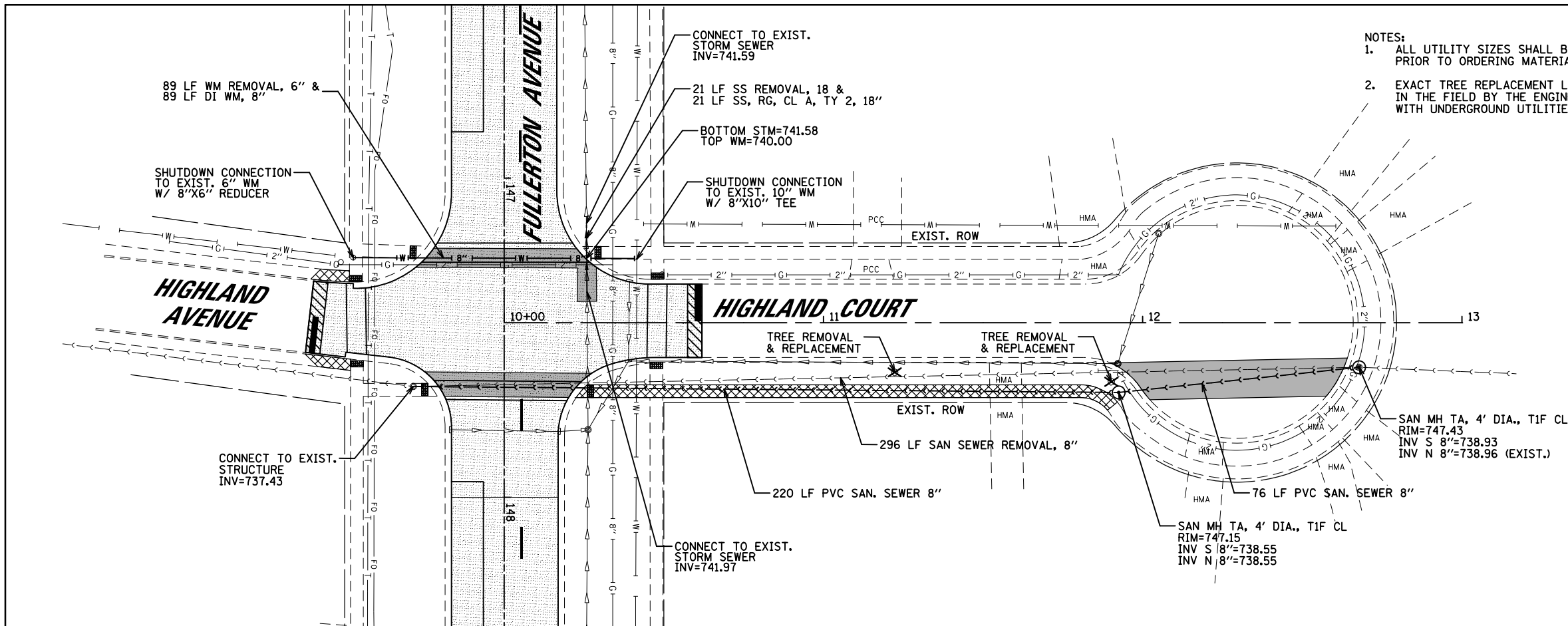
LEGEND			
	HOT MIX ASPHALT SURFACE REMOVAL, 3 3/4"		
	HOT MIX ASPHALT SURFACE REMOVAL - BUTT JOINT		
	SIDEWALK REMOVAL (SPECIAL)		
	CLASS D PATCHES 6"		
	DETECTABLE WARNINGS		
	STRUCTURES TO BE ADJUSTED		
	STRUCTURES TO BE ADJUSTED WITH SPECIAL FRAME AND GRATE		
	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)		
	VALVE BOXES TO BE ADJUSTED		
	EXISTING MANHOLE		PROPOSED MANHOLE
	EXISTING CATCH BASIN		PROPOSED CATCH BASIN
	EXISTING INLET		PROPOSED INLET
	EXISTING HANDHOLE		PROPOSED VALVE VAULT
	EXISTING FIRE HYDRANT		PROPOSED FIRE HYDRANT

- NOTES:
- ALL UTILITY SIZES AND INVERTS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS.
 - PROPOSED SIDEWALK IS ONLY SHOWN WHERE GEOMETRY CHANGES SHALL BE MADE TO SIDEWALK CURB RAMPS AT THE DIRECTION OF THE ENGINEER. ALL CURB RAMPS WITHIN THE PROJECT LIMITS SHALL BE RECONSTRUCTED IN ACCORDANCE WITH ADA STANDARDS.
 - ANY PORTION OF THERMOPLASTIC PAVEMENT MARKINGS IN THE DUPAGE COUNTY R.O.W. THAT ARE DAMAGED SHALL BE REPLACED IN KIND.

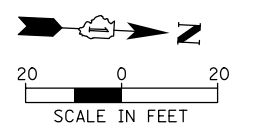
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PLOT SCALE = 48'		CHECKED - AMP	REVISED -		CONTRACT NO. 61E26							
PLOT DATE = 11/7/2017		DATE - 11/7/2017	REVISED -		SCALE: 48'	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO. _____	
	DATE _____	

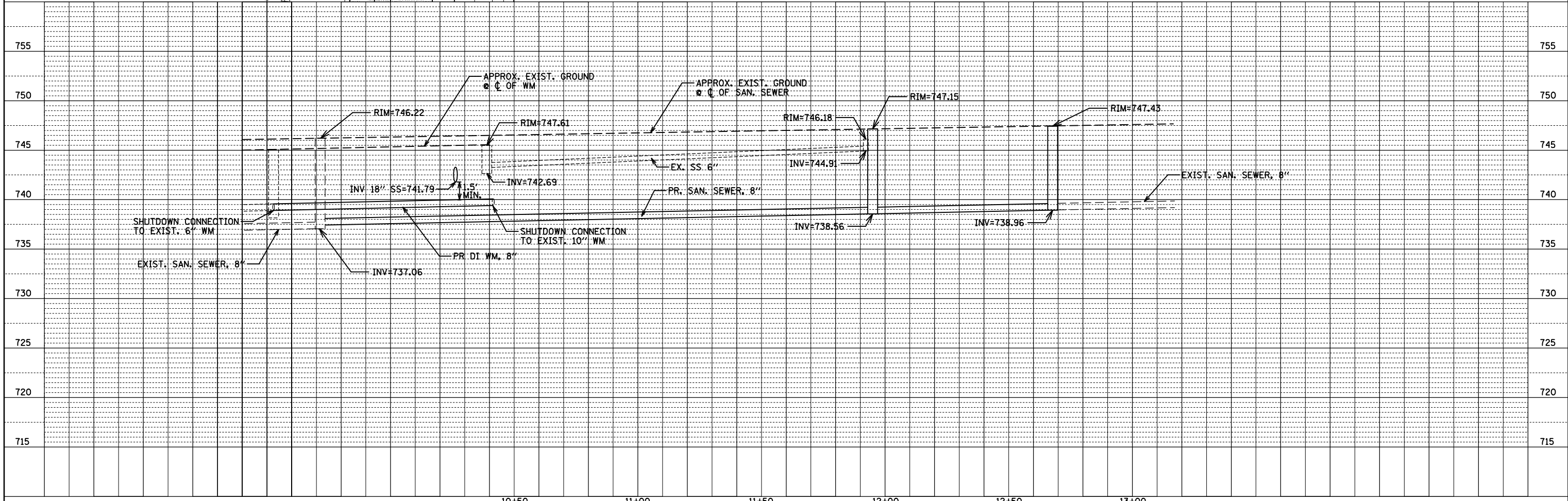
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	PLOTTED	
	GRADES CHECKED	
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	DATE _____	



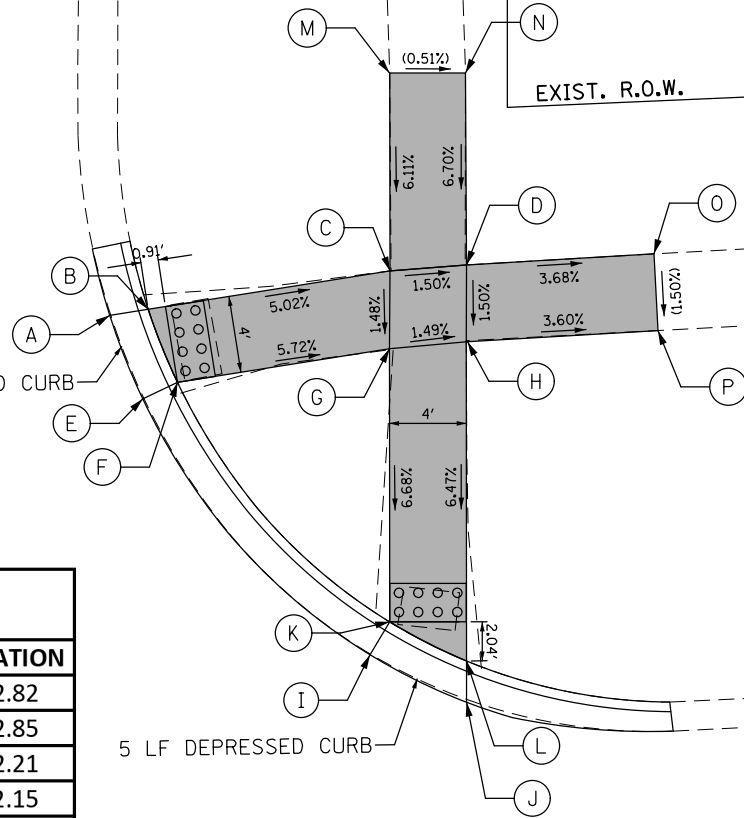
NOTES:
 1. ALL UTILITY SIZES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS.
 2. EXACT TREE REPLACEMENT LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER TO MINIMIZE CONFLICTS WITH UNDERGROUND UTILITIES, SIDEWALKS AND CURBS.



LEGEND	
[Pattern]	HOT MIX ASPHALT SURFACE REMOVAL, 3 3/4"
[Pattern]	HOT MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
[Pattern]	SIDEWALK REMOVAL (SPECIAL)
[Pattern]	CLASS D PATCHES 6"
[Pattern]	DETECTABLE WARNINGS
[Symbol]	STRUCTURES TO BE ADJUSTED
[Symbol]	STRUCTURES TO BE ADJUSTED WITH SPECIAL FRAME AND GRATE
[Symbol]	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
[Symbol]	VALVE BOXES TO BE ADJUSTED
[Symbol]	EXISTING MANHOLE
[Symbol]	EXISTING CATCH BASIN
[Symbol]	EXISTING INLET
[Symbol]	EXISTING HANDHOLE
[Symbol]	EXISTING FIRE HYDRANT
[Symbol]	PROPOSED MANHOLE
[Symbol]	PROPOSED CATCH BASIN
[Symbol]	PROPOSED INLET
[Symbol]	PROPOSED VALVE VAULT
[Symbol]	PROPOSED FIRE HYDRANT



BLOOMINGDALE ROAD



NE CORNER FULLERTON AVENUE & BLOOMINGDALE ROAD			
POINT	STATION	OFFSET	ELEVATION
A	100+29.32	53.16' LT	802.82
B	100+31.33	53.38' LT	802.85
C	100+44.02	54.78' LT	802.21
D	100+48.01	54.90' LT	802.15
E	100+30.83	48.73' LT	802.60
F	100+32.68	49.51' LT	802.79
G	100+43.80	50.73' LT	802.15
H	100+47.81	50.90' LT	802.09
I	100+42.02	34.85' LT	801.19
J	100+46.92	32.14' LT	800.91
K	100+43.12	36.52' LT	801.20
L	100+47.02	34.29' LT	801.01
M	100+44.48	65.08' LT	(802.84)
N	100+48.43	64.88' LT	(802.82)
O	100+57.79	55.01' LT	(801.79)
P	100+57.81	51.00' LT	(801.73)

FULLERTON AVENUE

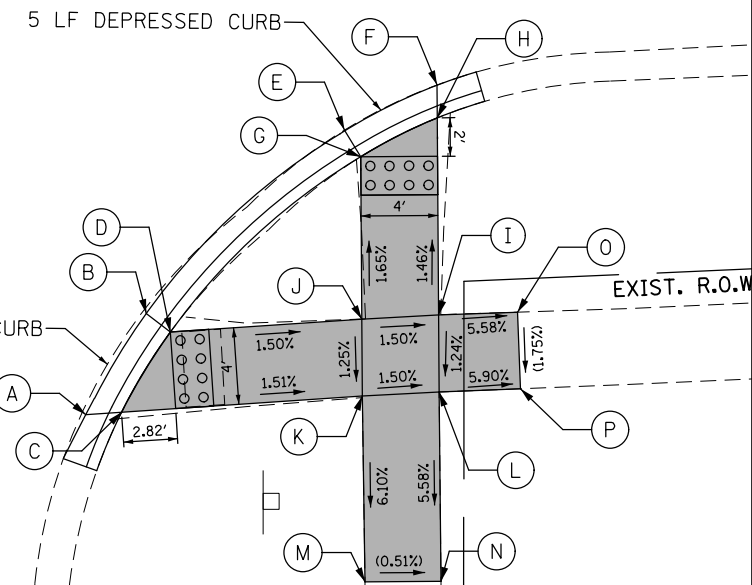
- NOTES:
1. DETECTABLE WARNINGS WITHIN THE DUPAGE COUNTY R.O.W. SHALL BE RED.
 2. AN 18" CURB TRANSITION IS REQUIRED BETWEEN DEPRESSED CURB AND FULL HEIGHT CURBS ADJACENT TO ADA CURB RAMPS.

100+00

FULLERTON AVENUE

NOTES:

1. DETECTABLE WARNINGS WITHIN THE DUPAGE COUNTY R.O.W. SHALL BE RED.
2. AN 18" CURB TRANSITION IS REQUIRED BETWEEN DEPRESSED CURB AND FULL HEIGHT CURBS ADJACENT TO ADA CURB RAMPS.



SE CORNER FULLERTON AVENUE & BLOOMINGDALE ROAD			
POINT	STATION	OFFSET	ELEVATION
A	100+25.63	42.98' RT	800.44
B	100+29.02	37.87' RT	800.43
C	100+27.49	42.94' RT	800.54
D	100+30.23	38.89' RT	800.55
E	100+39.79	28.82' RT	800.20
F	100+44.73	26.70' RT	800.10
G	100+40.57	30.24' RT	800.26
H	100+44.65	28.41' RT	800.19
I	100+44.22	38.67' RT	800.34
J	100+40.22	38.70' RT	800.40
K	100+40.06	42.71' RT	800.35
L	100+44.07	42.69' RT	800.29
M	100+39.73	52.38' RT	(799.76)
N	100+43.69	52.54' RT	(799.74)
O	100+48.34	38.72' RT	(800.11)
P	100+48.31	42.72' RT	(800.04)

BLOOMINGDALE ROAD

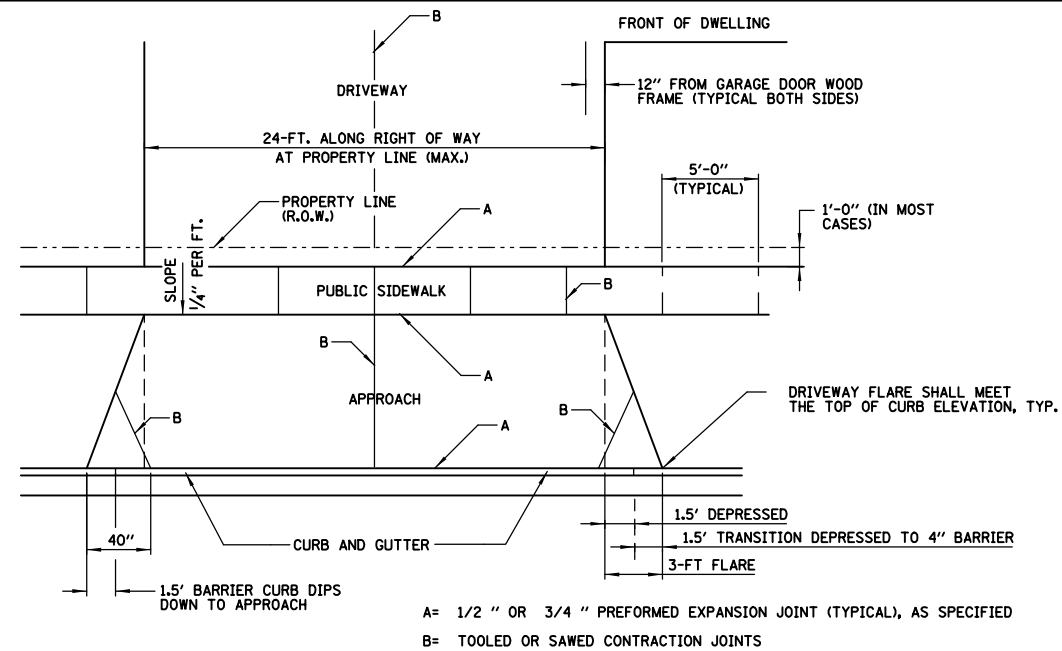
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	PLOT SCALE = NOT TO SCALE	CHECKED -	AMP	REVISED -	
	PLOT DATE = 11/7/2017	DATE -	11/7/2017	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FULLERTON AVENUE RESURFACING
ADA CURB RAMP DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1379	17-00068-00-R5	DUPAGE	31	14
CONTRACT NO. 61E26				
ILLINOIS FED. AID PROJECT				

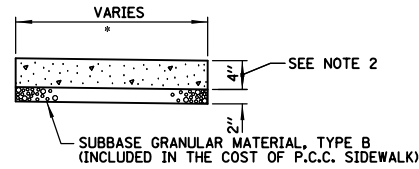


DRIVEWAY WITH CURB AND GUTTER

GENERAL NOTES:

- DRIVEWAY SHALL NOT EXCEED 24 FT. IN WIDTH MEASURED AT THE RIGHT OF WAY
- DRIVEWAY SHALL HAVE A MIN. SLOPE OF 2% AND MAX. SLOPE OF PREFERABLY 8%.
- APPROACH SHALL HAVE A MIN. SLOPE OF 2% AND MAX. OF 10%.
- ALL AGGREGATE SUB-BASE SHALL BE MECHANICALLY COMPACTED. (95% PROCTOR)
- PUBLIC SIDEWALK SHALL BE 6" THICK P.C. CONCRETE AT DRIVEWAY. (NO WIRE MESH) (PAID FOR AS P.C.C. SIDEWALK, 4 INCH SPECIAL)
- MINIMUM THICKNESS FOR APPROACH. (NO WIRE MESH) INCLUDED IN COST FOR DRIVEWAY REPLACEMENT.
 - 6" P.C. CONCRETE ON 4" COMPACTED AGGREGATE BASE COURSE, TYPE B OR (ALL DRIVEWAYS)
 - 3" HOT-MIX ASPHALT SURFACE ON 6" COMPACTED AGGREGATE BASE COURSE, TYPE B (ONLY TO BE REPLACED WITH ASPHALT PER DIRECTION OF VILLAGE)

A= 1/2 " OR 3/4 " PREFORMED EXPANSION JOINT (TYPICAL), AS SPECIFIED
 B= TOOLED OR SAWED CONTRACTION JOINTS

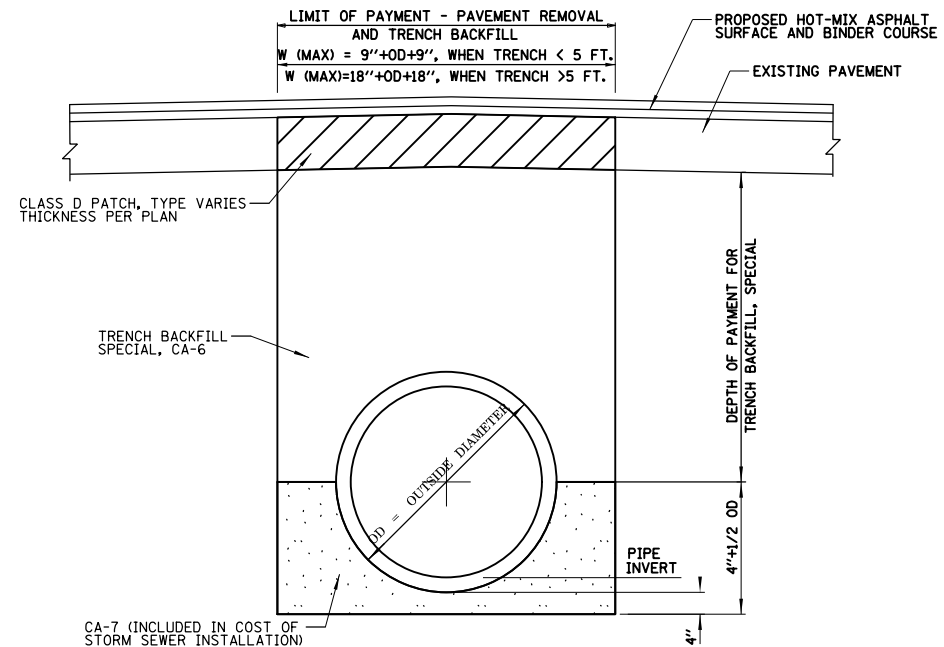


* CROSS SLOPE 0.5% (MIN.) TO 1.9% (MAX.) OR AS SHOWN ON ADA CURB RAMP DETAILS

NOTES:

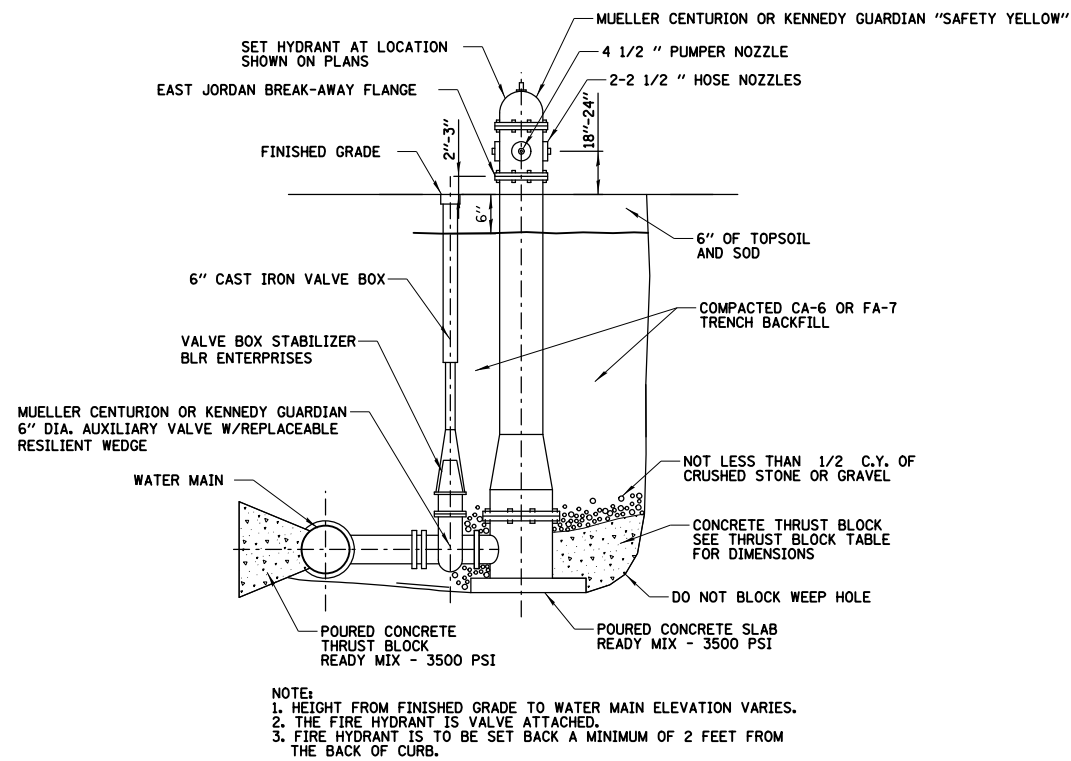
- ALL REQUIRED EARTH EXCAVATION TO CONSTRUCT P.C.C. SIDEWALK SHALL BE INCIDENTAL TO THE P.C.C. SIDEWALK 4 INCH. THIS INCLUDES SIDEWALK THAT MAY BE RELOCATED.
- THICKNESS SHALL BE INCREASED TO 6" WHERE SIDEWALK IS ADJACENT TO A DRIVEWAY AND 5" WHERE SIDEWALK IS LOCATED WITHIN DUPAGE COUNTY RIGHT-OF-WAY. NO WIRE MESH. (INCLUDED IN THE COST OF P.C.C. SIDEWALK).
- IN LOCATIONS WHERE SIDEWALK IS REMOVED AND REPLACED THROUGH DRIVEWAYS, DRIVEWAYS SHALL BE SAWCUT AND PATCHED A MINIMUM OF 1' ON EITHER SIDE OF THE WALK. THIS WORK SHALL BE PAID FOR PER SQUARE YARD AT THE CONTRACT UNIT PRICE FOR CONCRETE DRIVEWAY REPLACEMENT OR HOT-MIX ASPHALT DRIVEWAY REPLACEMENT.
- WHEN FORMS ARE REMOVED FROM THE SIDEWALK EITHER THE SIDEWALK SHALL BE BARRICADED OR BACKFILLED WITHIN 24 HOURS.

P.C.C. SIDEWALK, 4 INCH, SPECIAL DETAIL



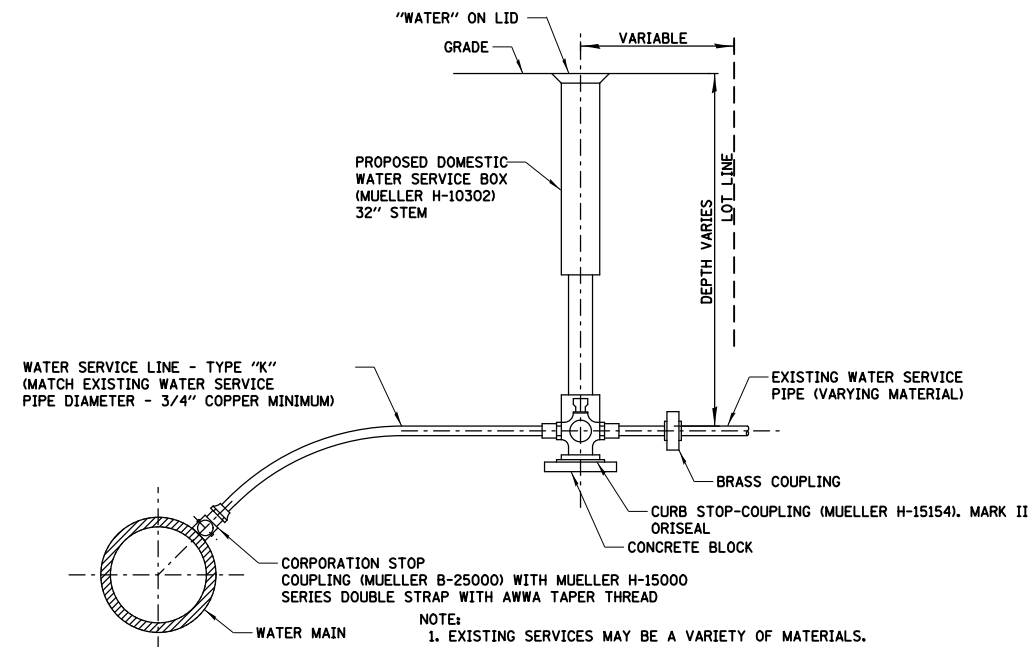
NOMINAL PIPE DIAMETER INCHES	PIPE OD INCHES	W (TRENCH WIDTH PAY LIMITS) INCHES < 5' DEPTH	W (TRENCH WIDTH PAY LIMITS) INCHES > 5' DEPTH
12"	16"	34"	52"
18"	23"	41"	59"
21"	26.5"	44.5"	62.5"
24"	30"	48"	66"
30"	37"	55"	73"
36"	44"	62"	80"

TRENCH DETAIL FOR STORM SEWER



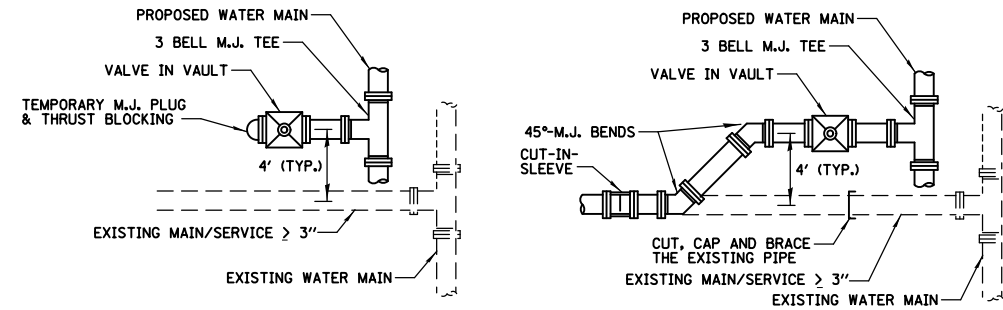
- NOTE:**
- HEIGHT FROM FINISHED GRADE TO WATER MAIN ELEVATION VARIES.
 - THE FIRE HYDRANT IS VALVE ATTACHED.
 - FIRE HYDRANT IS TO BE SET BACK A MINIMUM OF 2 FEET FROM THE BACK OF CURB.

FIRE HYDRANT



- NOTE:**
- EXISTING SERVICES MAY BE A VARIETY OF MATERIALS.
 - ALL RECONNECTIONS SHALL BE A MUELLER COMPRESSION FITTING.

TYPICAL WATER SERVICE CONNECTION



NOTES:

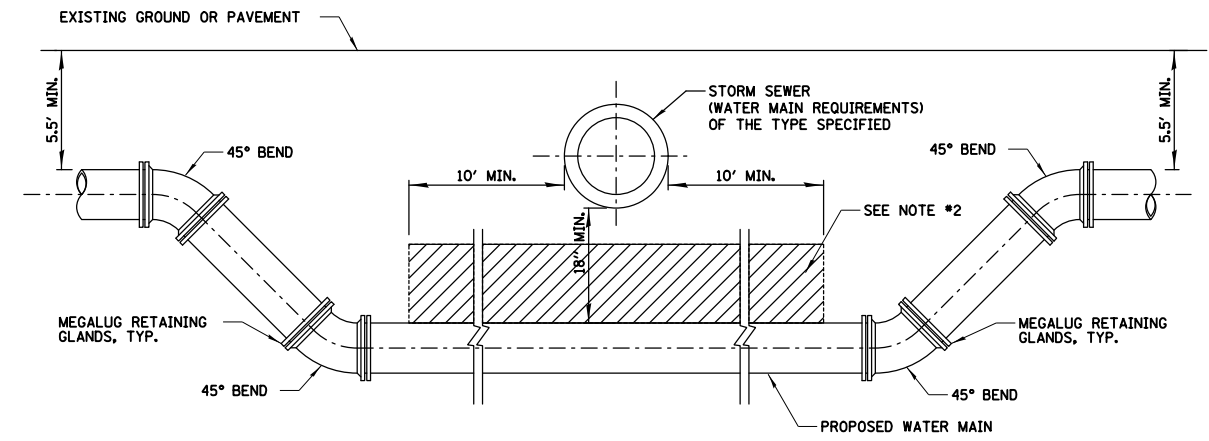
INSTALLATION

1. AFTER THE EXISTING WATER MAIN OR SERVICE IS CUT AT THE NOTED LOCATION, CONTRACTOR SHALL DETERMINE THE DISTANCE TO THE NEXT JOINT WITH A FEELER ROD. IF THE DISTANCE IS SIX (6) FEET OR MORE, THEN COMPLETE THE CONNECTION; IF THAT DISTANCE IS LESS THAN SIX (6) FEET, EXTEND THE NEW PIPE AND CONNECT.
2. AFTER THE NEW WATER MAIN IS APPROVED, CUT, CAP AND BRACE THE EXISTING MAIN SERVICE. REMOVE TEMPORARY PLUG AND CONNECT MAIN SERVICE TO THE VALVE. SWAB THE NEW PIPE WITH 1% HTH CHLORINE SOLUTION DURING THE INSTALLATION.
3. MEGALUGS TO BE USED WITH ALL M.J. FITTINGS.

RECONNECTION

WATER MAIN/SERVICE INSTALLATION AND RECONNECTION

N.T.S.

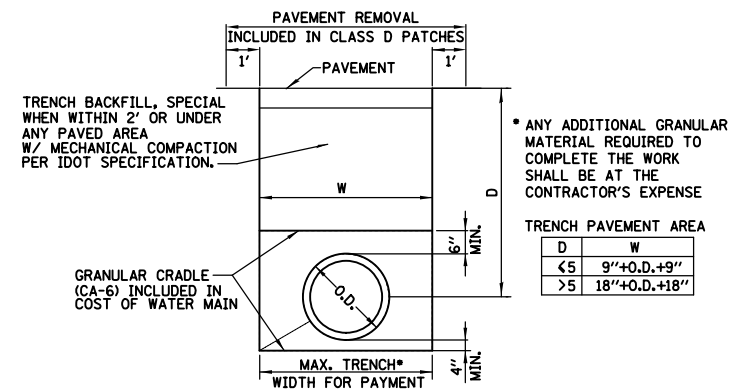


NOTE:

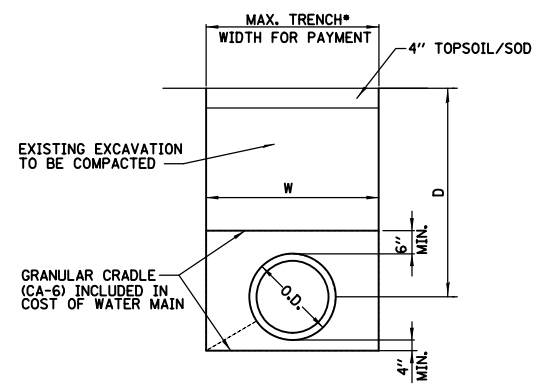
1. OMIT GRANULAR CRADLE FOR PROPOSED WATER MAIN
2. PLACE 1.0' OF CLASS IV MATERIAL OVER THE LENGTH OF THE WATER MAIN AND COMPACT TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY.
3. PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.

PROPOSED WATER MAIN BELOW EXISTING SEWER

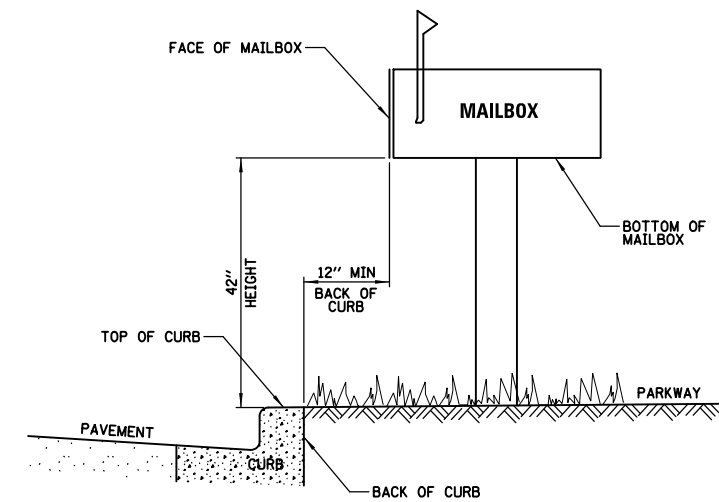
N.T.S.



**TYPICAL WATER MAIN TRENCH DETAIL
PAVEMENT**

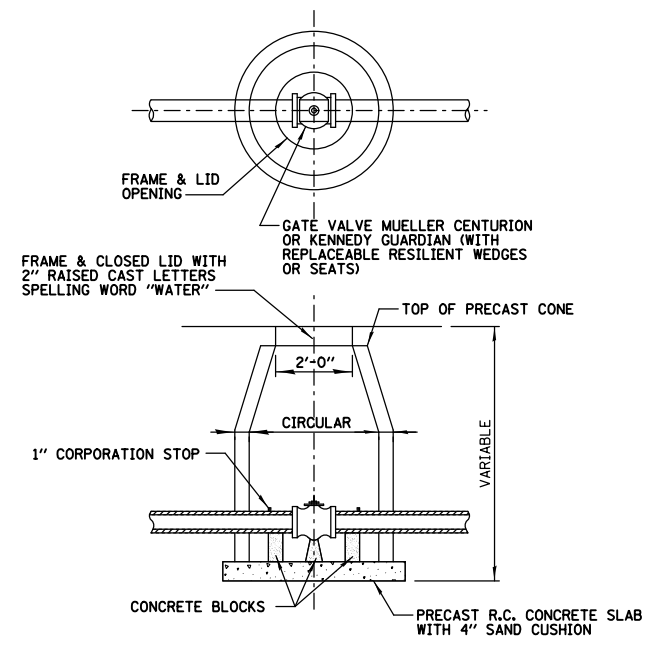


**TYPICAL WATER MAIN TRENCH DETAIL
PARKWAY**



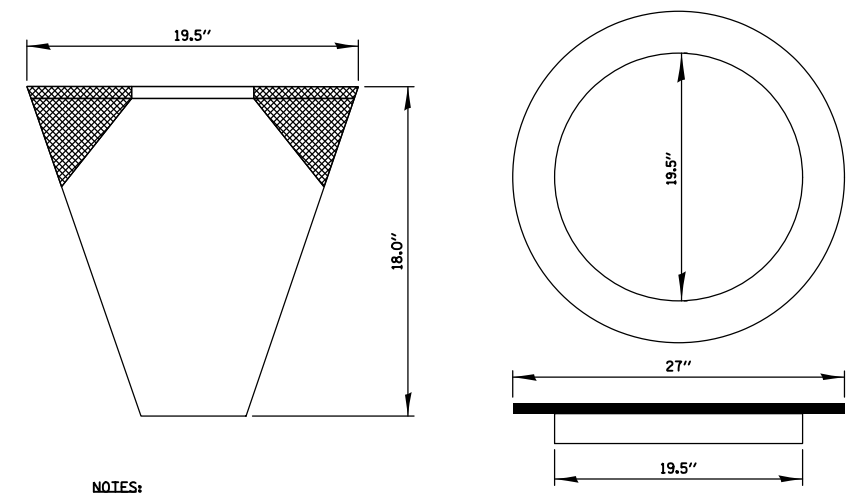
**LOCATION OF MAILBOX IN
PARKWAY AREAS**

FILE NAME =	USER NAME = aschofer	DESIGNED -	AJS	REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FULLERTON AVENUE RESURFACING CONSTRUCTION DETAILS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\GLENDALE\GHTS\040051C150\Civ1\DET	040051C150-02.sht	DRAWN -	AJS	REVISED -						1379	17-00068-00-R5	DUPAGE	31	17
	PLOT SCALE = NOT TO SCALE	CHECKED -	AMP	REVISED -			CONTRACT NO. 61E26			ILLINOIS FED. AID PROJECT				
	PLOT DATE = 11/7/2017	DATE -	11/7/2017	REVISED -			SCALE: NTS	SHEET NO.	OF SHEETS	STA.	TO STA.			



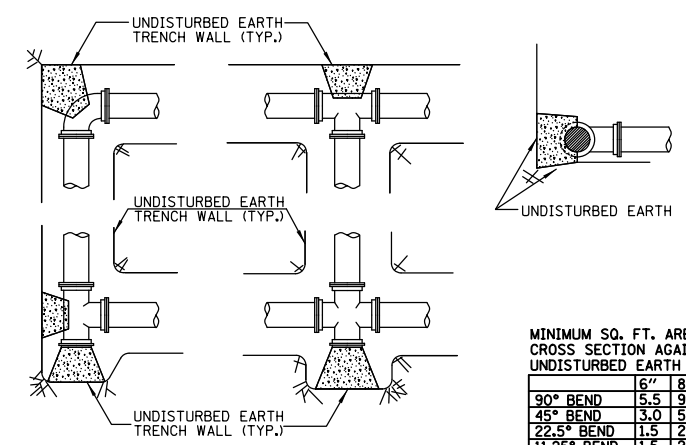
NOTE:
THE CONTRACT UNIT PRICE FOR VALVE VAULTS TYPE A SHALL INCLUDE THE FRAME AND CLOSED LID, AND COMPACTED TRENCH BACKFILL. PRECAST REINFORCED CONCRETE RISERS ARE TO BE LAID IN MASTIC JOINTS WITH FLUSH JOINTS. FURNISHING AND INSTALLING SAND CUSHION TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR VALVE VAULT, TYPE A.

STANDARD TYPE "A" VALVE VAULT
N.T.S.



NOTES:
FRAME:
FLANGE SHALL BE FABRICATED FROM 1/8" FLAT STACK.
BASE RING SHALL BE FABRICATED FROM 1/2" x 1/2" x 1/8" CHANNEL.
DOMESTIC STEEL CONFORMING TO ASTM-A36.
SEDIMENT BAG: SHALL BE FABRICATED FROM 4 OZ/SQ YD NON-WAVEN POLYPROPYLENE GEOTEXTILE AND SHALL BE REINFORCED WITH POLYESTER MESH. THE BAG SHALL BE SECURED TO THE BASE RING WITH STAINLESS STEEL STRAP AND LOCK.

INLET FILTER
N.T.S.

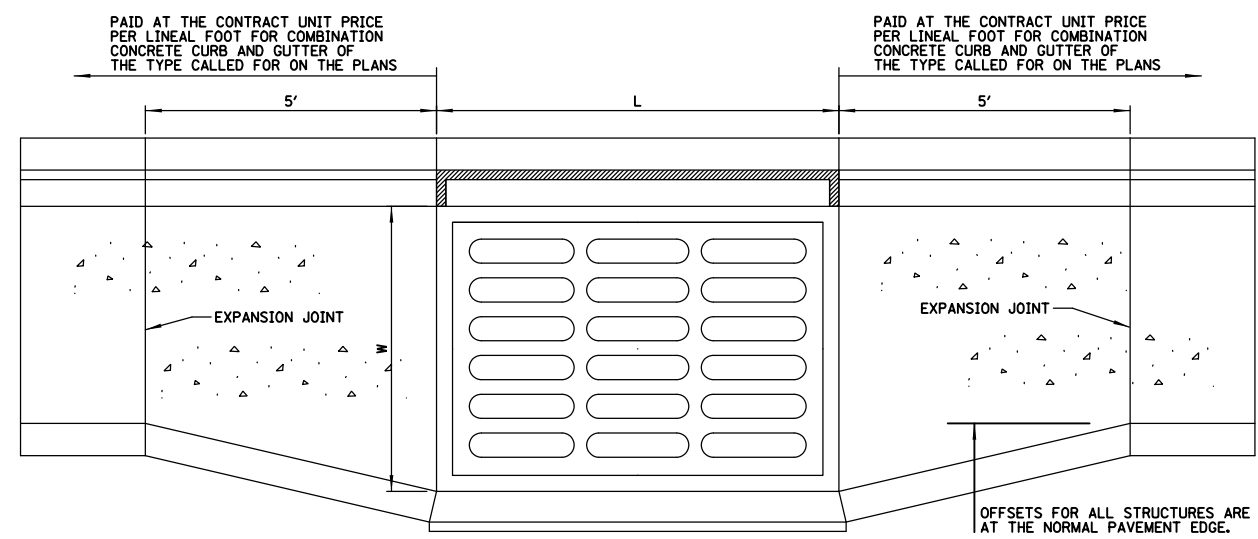


MINIMUM SQ. FT. AREA OF VERTICAL CROSS SECTION AGAINST 2000 PSF UNDISTURBED EARTH

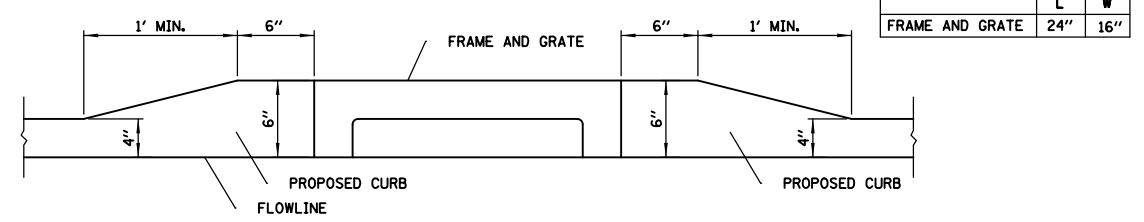
	6"	8"	10"	12"
90° BEND	5.5	9.4	15.4	21.8
45° BEND	3.0	5.1	8.4	11.9
22.5° BEND	1.5	2.6	4.3	6.1
11.25° BEND	1.5	2.6	4.3	6.1
TEE	3.9	6.7	10.9	15.5

WATER MAIN THRUST BLOCKING
N.T.S.

NOTE:
THRUST BLOCKING TO BE INSTALLED AT ALL HORIZONTAL AND VERTICAL BENDS, CAPS, VALVES, HYDRANTS AND AT LOCATIONS DIRECTED BY ENGINEER. THRUST BLOCK TO BE PRE-CAST PORTLAND CEMENT CONCRETE, PLACED BETWEEN SOLID GROUND AND FITTING, AND SHALL BE ANCHORED IN SUCH A MANNER THAT PIPE AND FITTING WILL BE ACCESSIBLE FOR REPAIR. ALL ENDS OD 1 1/4" OR MORE, ALL TEES AND ALL PLUGS SHALL BE PROTECTED AS SHOWN. WHERE CONDITIONS PREVENT THE USE OF CONCRETE THRUST BLOCKS, RESTRAINED JOINTS OF A TYPE APPROVED BY THE ENGINEER MAY BE USED.



GUTTER WIDENING AT DRAINAGE STRUCTURES



STRUCTURE TO BE ADJUSTED WITH SPECIAL FRAME AND GRATE

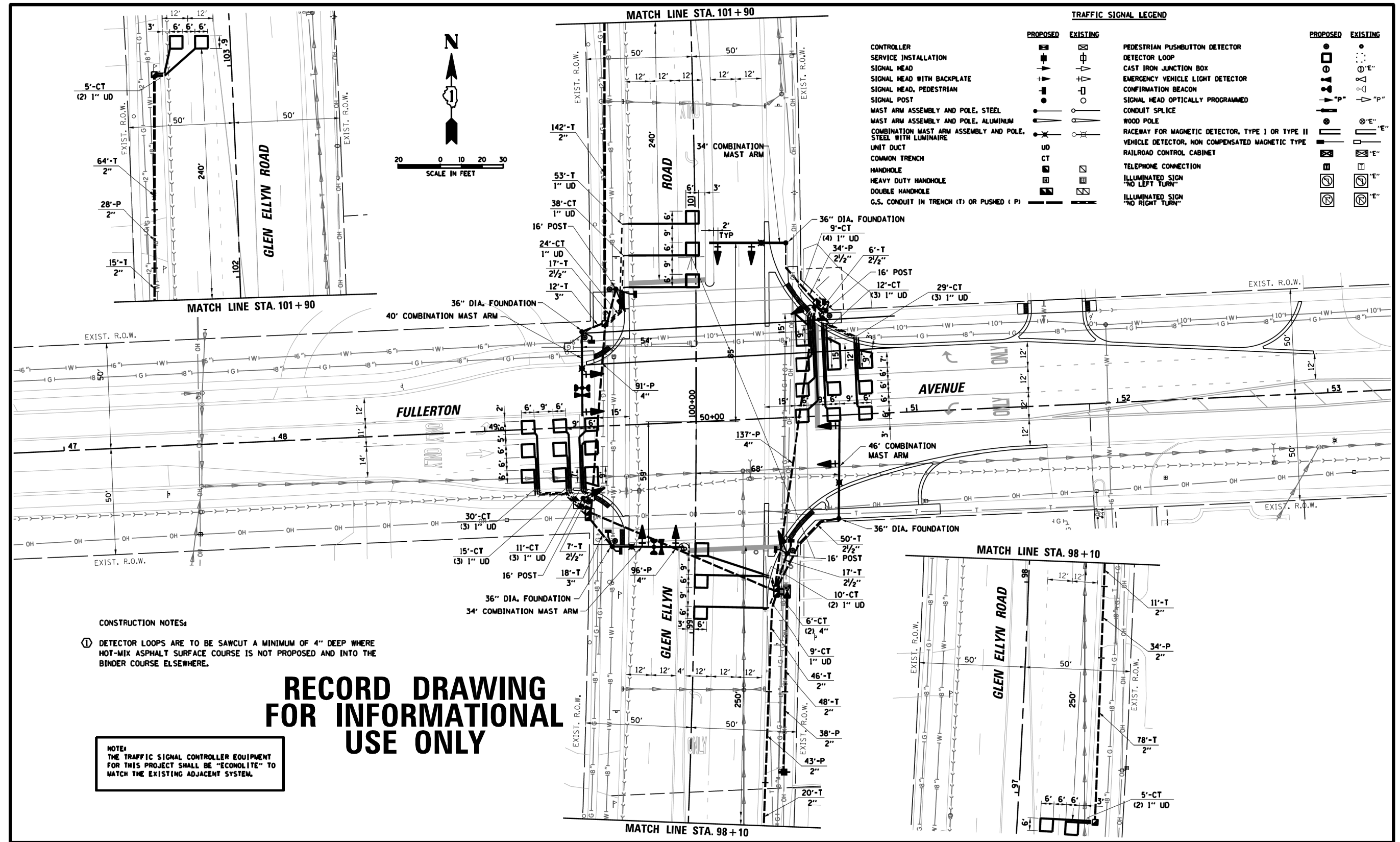
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	PLOT SCALE = NOT TO SCALE	CHECKED -	AMP	REVISED -	
	PLOT DATE = 11/7/2017	DATE -	11/7/2017	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FULLERTON AVENUE RESURFACING
CONSTRUCTION DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1379	17-00068-00-R5	DUPAGE	31	18
CONTRACT NO. 61E26				
ILLINOIS FED. AID PROJECT				



CONSTRUCTION NOTES:
 ① DETECTOR LOOPS ARE TO BE SAWCUT A MINIMUM OF 4" DEEP WHERE HOT-MIX ASPHALT SURFACE COURSE IS NOT PROPOSED AND INTO THE BINDER COURSE ELSEWHERE.

NOTE:
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

RECORD DRAWING FOR INFORMATIONAL USE ONLY

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

CLIENT:
Glendale Heights
 Village of Glendale Heights
 300 CIVIC CENTER PLAZA
 GLENDALE HEIGHTS, ILLINOIS 60139

NO.	DATE	NATURE OF REVISION	CHKD.

DSGN. ABR
 DWN. FPB FCP
 CHKD. KRC
 SCALE: 1" = 40'
 DATE: 11/7/2017

TITLE:
TRAFFIC SIGNAL INSTALLATION PLAN
 GLEN ELLYN ROAD AND FULLERTON AVENUE
 GLENDALE HEIGHTS, ILLINOIS

PROJECT NO. 06742
 SHEET 11 OF 17
 DRAWING NO. TSD-1

FILE NAME = N:\GLENDALEHEIGHTS\040051C150\Civ11\SIGNAL_PLANS_040051C150_01.shx	USER NAME = aschoefer	DESIGNED - AJS	REVISED -
PLOT SCALE = 48"		DRAWN - AJS	REVISED -
PLOT DATE = 11/7/2017		CHECKED - AMP	REVISED -
		DATE - 11/7/2017	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FULLERTON AVENUE RESURFACING
 EXISTING TRAFFIC SIGNAL PLANS
 (FOR REFERENCE ONLY)

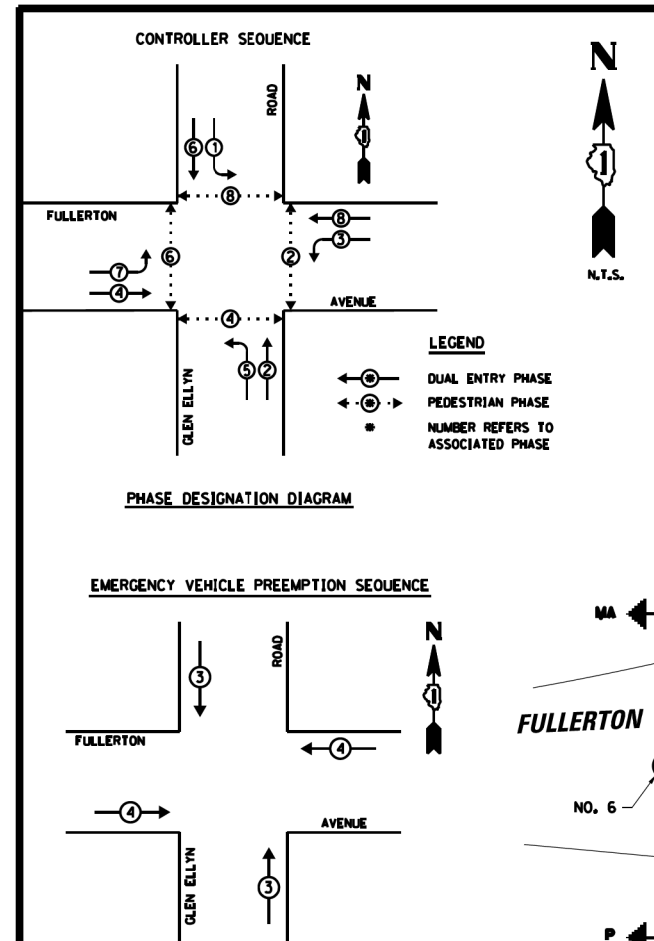
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F.A.U. RTE. 1379	SECTION 17-00068-00-R5	COUNTY DUPAGE	TOTAL SHEETS 31	SHEET NO. 19
CONTRACT NO. 61E26				ILLINOIS FED. AID PROJECT

RECORD DRAWING FOR INFORMATIONAL USE ONLY

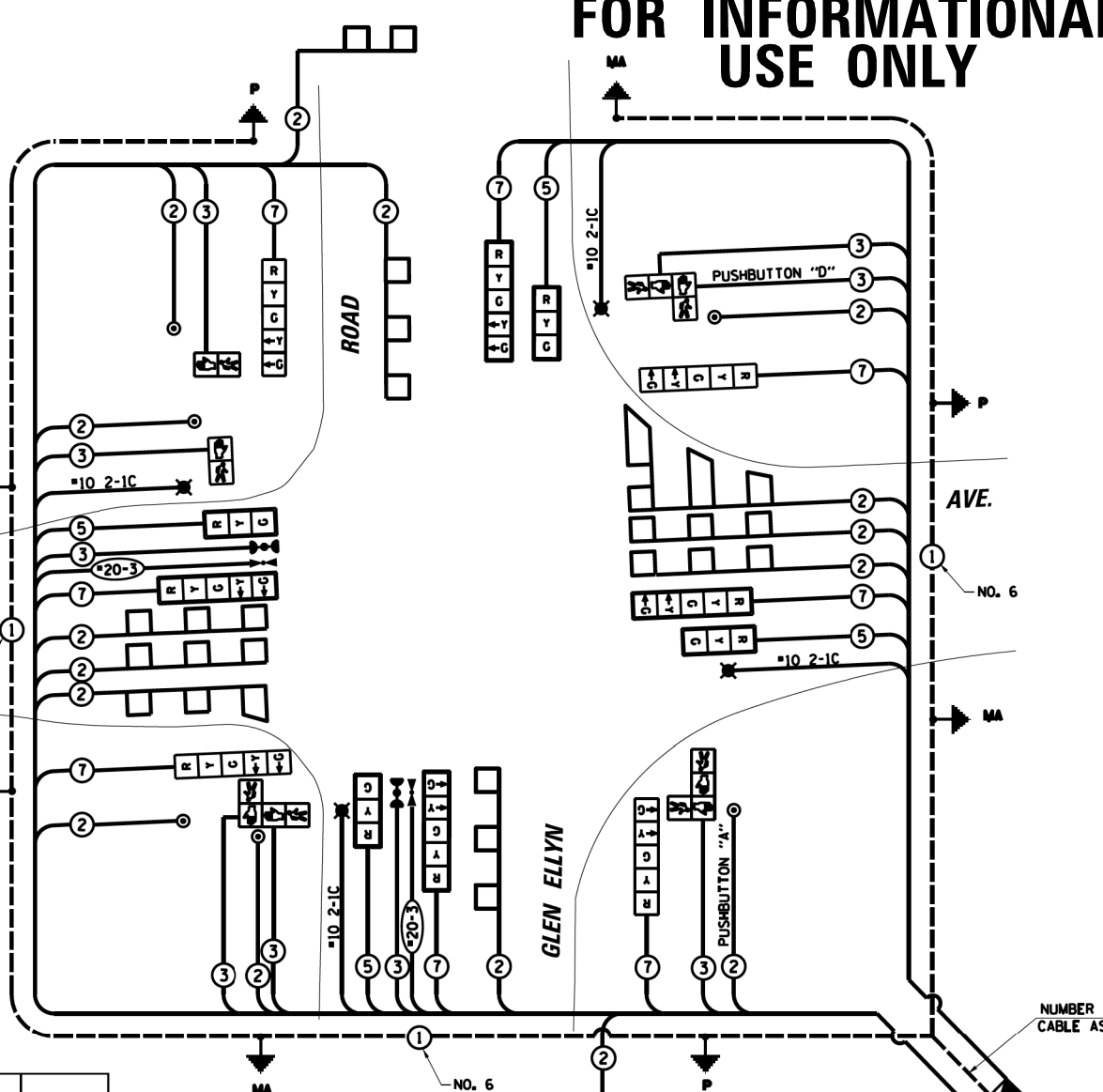
SCHEDULE OF QUANTITIES

NA	TRAFFIC CONTROL AND PROTECTION, COMPLETE	LSUM	1
81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	424
81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	97
81000800	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	30
8101000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	12
81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	143
81018600	CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	34
81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	324
81400100	HANDHOLE	EACH	4
81400300	DOUBLE HANDHOLE	EACH	2
81700215	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 2-1/C NO. 10	FOOT	857
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	711
82103310	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 310 WATT	EACH	4
85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1006
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1765
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	841
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1533
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1850
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2C	FOOT	101
X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1C	FOOT	718
X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3C, TWISTED, SHIELDED	FOOT	497
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
87702900	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	2
87702930	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1
87700100	CONCRETE FOUNDATION TYPE A	FOOT	16
87800200	CONCRETE FOUNDATION TYPE D	FOOT	4
87800415	CONCRETE FOUNDATION TYPE E, 36-INCH DIAMETER	FOOT	60
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
88102710	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	2
88102740	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED	EACH	3
88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	8
88500100	INDUCTIVE LOOP DETECTOR	EACH	10
88600100	DETECTOR LOOP, TYPE I	FOOT	1317
88700200	LIGHT DETECTOR	EACH	1
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
88800100	PEDESTRIAN PUSH-BUTTON	EACH	6
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502380	REMOVE EXISTING HANDHOLE	EACH	6
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
X8050015	SERVICE INSTALLATION - POLE MOUNTED	EACH	1



EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↓ ↑	← →

TYPE	NUMBER OF LAMPS	WATTAGE	% OPERATION	TOTAL WATTAGE
TRAFFIC SIGNAL (RED)	12	17	60	122.40
(YELLOW)	12	25	3	9.00
(GREEN)	12	15	37	66.60
TRAFFIC SIGNAL (RED ARROW)	0	12	85	0.00
(YELLOW ARROW)	8	12	2	1.92
(GREEN ARROW)	8	11	13	11.44
PEDESTRIAN SIGNAL (HAND)	8	6	95	45.60
(PERSON)	8	6	5	2.40
CONTROLLER	1	100	100	100.00
ILLUMINATED SIGN	0	25	0	0.00
BATTERY BACKUP	0	25	100	0.00
LUMINAIRE	4	310	50	620.00
FLASHER				
TOTAL:				979.36



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

NOTE: THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

	8" (200mm) TRAFFIC SIGNAL SECTION
	12" (300mm) TRAFFIC SIGNAL SECTION
	12" (300mm) PEDESTRIAN SIGNAL SECTION
	12" (300mm) PEDESTRIAN SIGNAL SECTION
	CONTROLLER CABINET
	SERVICE INSTALLATION
	TELEPHONE INSTALLATION
	VEHICLE DETECTOR, INDUCTION LOOP
	MAGNETIC DETECTOR
	EMERGENCY VEHICLE LIGHT DETECTOR
	CONFIRMATION BEACON
	PUSHBUTTON DETECTOR
	DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
	GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
	FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F SM12F
	SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.
	RAILROAD CONTROL CABINET
	ILLUMINATED SIGN "NO LEFT TURN"
	ILLUMINATED SIGN "NO RIGHT TURN"
	GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
	GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
	GROUND ROD AT ELECTRIC SERVICE INSTALLATION
	LUMINAIRE
	UNINTERRUPTIBLE POWER SUPPLY

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

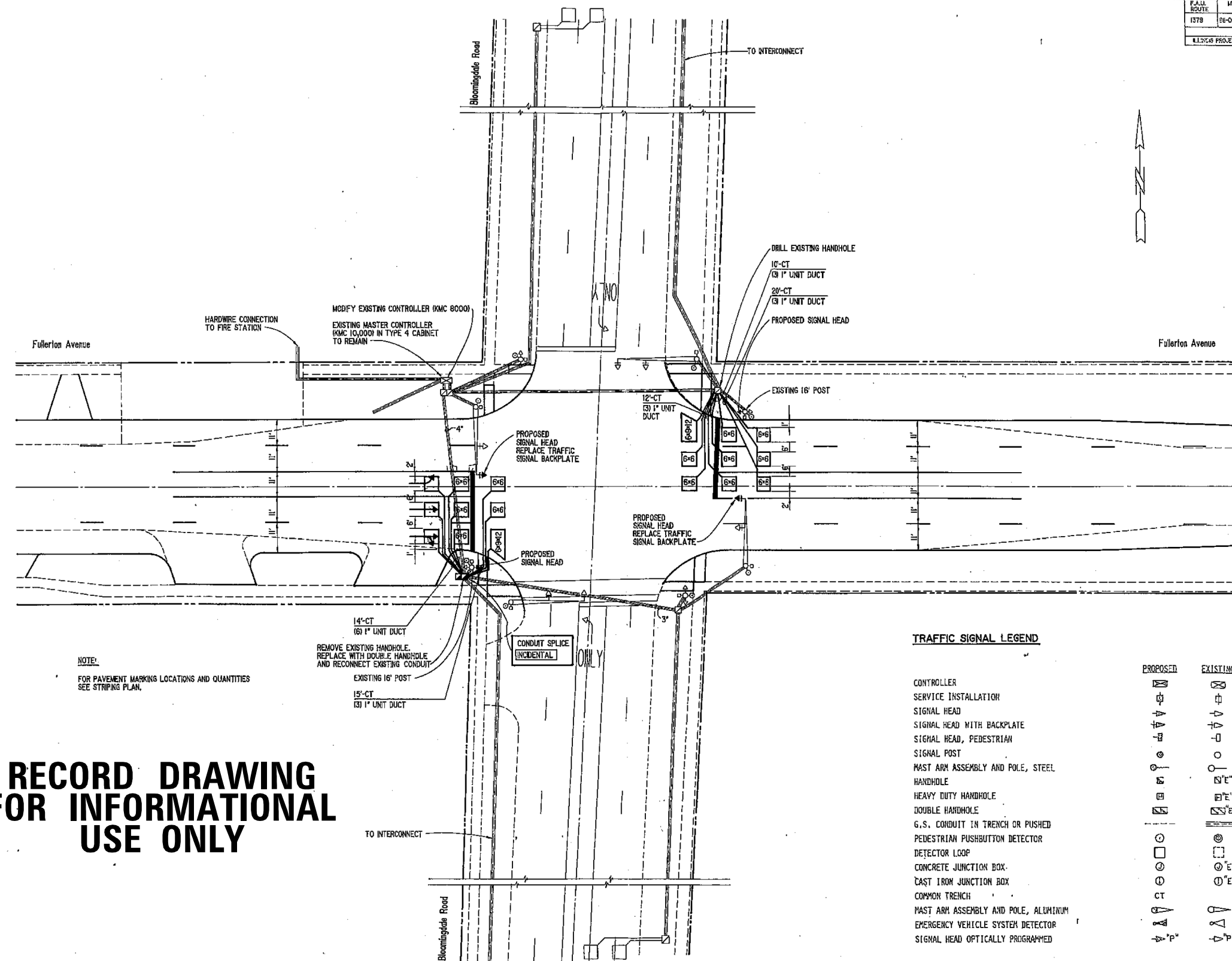
Village of Glendale Heights
 300 CIVIC CENTER PLAZA
 GLENDALE HEIGHTS, ILLINOIS 60139

NO.	DATE	NATURE OF REVISION	CHKD.

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
 GLEN ELLYN ROAD AND FULLERTON AVENUE
 GLENDALE HEIGHTS, ILLINOIS

PROJECT NO. 06742
 SHEET 12 OF 17
 DRAWING NO. CAB-1

FULL ROUTE	MUNICIPAL SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1578	EE-00030-CO-WR	DU PAGE		
ILLINOIS PROJECT 1H003 (E-4)				

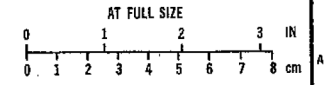


NOTE:
FOR PAVEMENT MARKING LOCATIONS AND QUANTITIES
SEE STRIPING PLAN.

**RECORD DRAWING
FOR INFORMATIONAL
USE ONLY**

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
CONTROLLER	[Symbol]	[Symbol]
SERVICE INSTALLATION	[Symbol]	[Symbol]
SIGNAL HEAD	[Symbol]	[Symbol]
SIGNAL HEAD WITH BACKPLATE	[Symbol]	[Symbol]
SIGNAL HEAD, PEDESTRIAN	[Symbol]	[Symbol]
SIGNAL POST	[Symbol]	[Symbol]
POST ARM ASSEMBLY AND POLE, STEEL	[Symbol]	[Symbol]
HANDHOLE	[Symbol]	[Symbol]
HEAVY DUTY HANDHOLE	[Symbol]	[Symbol]
DOUBLE HANDHOLE	[Symbol]	[Symbol]
G.S. CONDUIT IN TRENCH OR PUSHED	[Symbol]	[Symbol]
PEDESTRIAN PUSHBUTTON DETECTOR	[Symbol]	[Symbol]
DETECTOR LOOP	[Symbol]	[Symbol]
CONCRETE JUNCTION BOX	[Symbol]	[Symbol]
CAST IRON JUNCTION BOX	[Symbol]	[Symbol]
COMMON TRENCH	[Symbol]	[Symbol]
POST ARM ASSEMBLY AND POLE, ALUMINUM	[Symbol]	[Symbol]
EMERGENCY VEHICLE SYSTEM DETECTOR	[Symbol]	[Symbol]
SIGNAL HEAD OPTICALLY PROGRAMMED	[Symbol]	[Symbol]



DESIGNED: LRB				DRAWN: LIZRTT				CHECKED: REH				APPROVED: REH				DATE: MAY 1, 88			
NO.				REVISIONS				DRAWN				APPROVED				DATE			
1				2				3				4				5			

STANLEY CONSULTANTS

INTERNATIONAL CONSULTANTS IN ENGINEERING, ARCHITECTURE, PLANNING, AND MANAGEMENT

FULLERTON AVENUE FROM PRESIDENT STREET TO BLOOMINGDALE ROAD
GLENDALE HEIGHTS, ILLINOIS

TRAFFIC SIGNAL PLAN

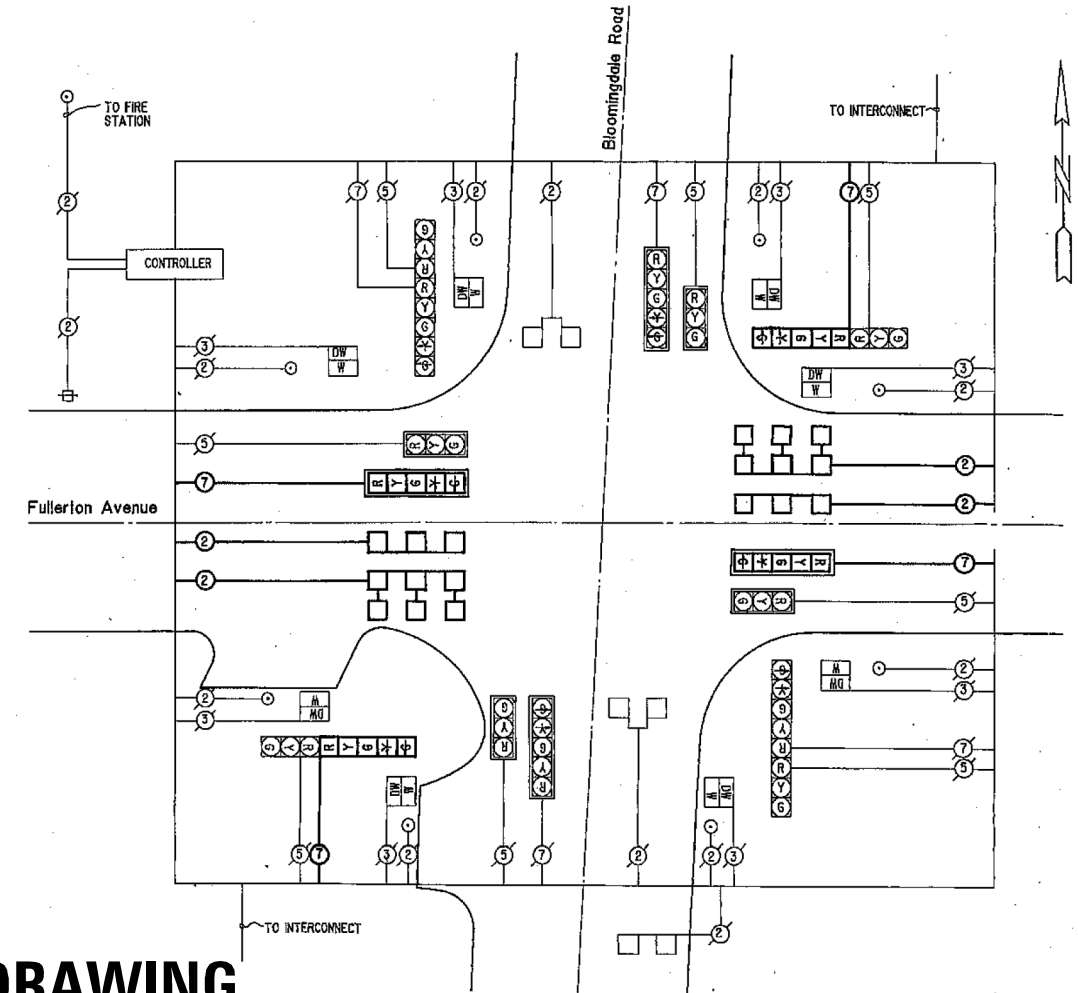
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REV. 0

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PLOT SCALE = 48"	CHECKED -	AMP	REVISED -		SCALE: 48'			SHEET NO.	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 61E26				
PLOT DATE = 11/7/2017	DATE -	11/7/2017	REVISED -		ILLINOIS FED. AID PROJECT													

F.A.U. ROUTE	SUBSECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS PROJECT # 6003 0541				

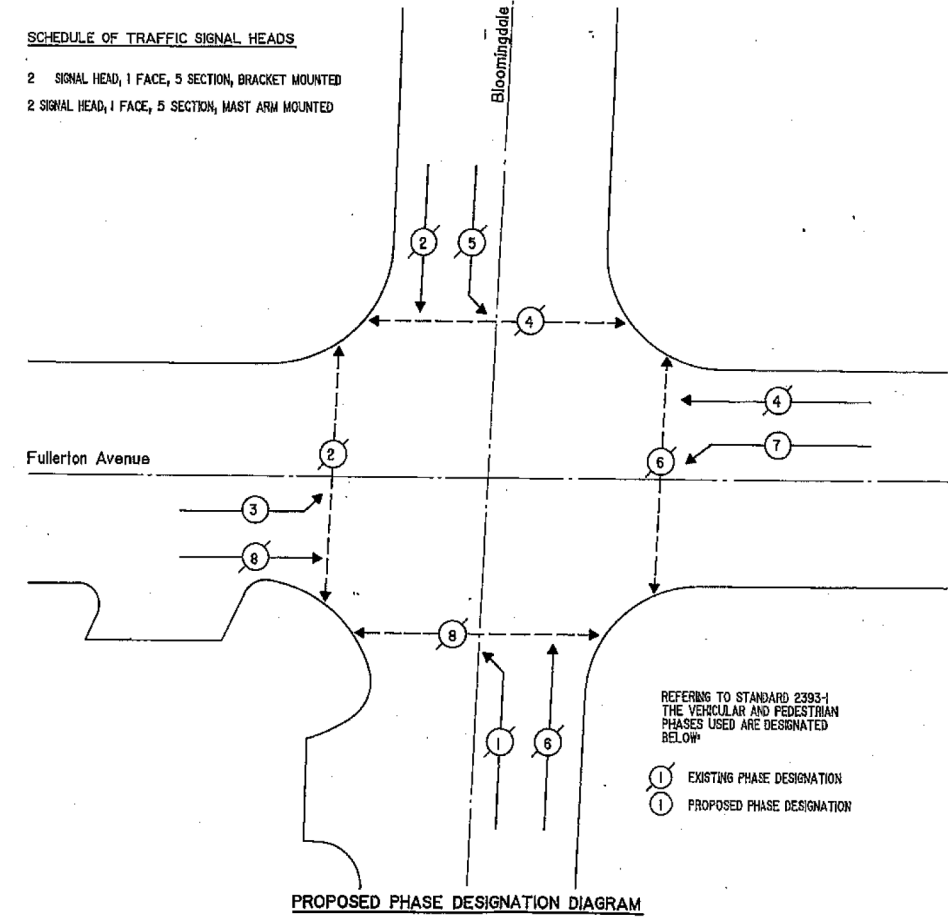
LEGEND

8" TRAFFIC SIGNAL SECTION	Ⓜ
12" TRAFFIC SIGNAL SECTION	Ⓡ
12" PEDESTRIAN SIGNAL SECTION	Ⓢ
CONTROLLER CABINET	□
SERVICE INSTALLATION	⊕
VEHICLE DETECTOR, INDUCTION LOOP	□
PUSHBUTTON DETECTOR	○
DEMOTES NUMBER OF CONDUCTORS (NEW) ALL LOOP DETECTOR CABLE TO BE SHIELDED, ALL CABLE NO. 14 EXCEPT AS INDICATED	②
INDICATES EXISTING CABLE	②
EXISTING SIGNAL SECTION	Ⓡ
EXISTING SIGNAL FACE WITH BACKPLATE	Ⓡ
PROPOSED SIGNAL FACE WITH BACKPLATE	Ⓡ



SCHEDULE OF TRAFFIC SIGNAL HEADS

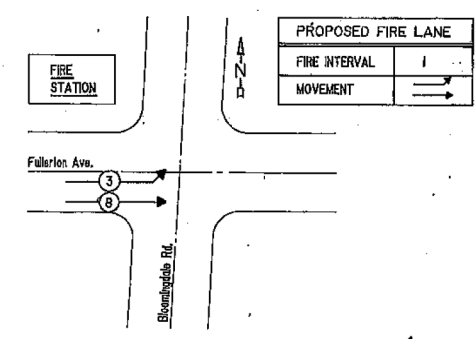
2	SIGNAL HEAD, 1 FACE, 5 SECTION, BRACKET MOUNTED
2	SIGNAL HEAD, 1 FACE, 5 SECTION, MAST ARM MOUNTED



REFERRING TO STANDARD 2393-1 THE VEHICULAR AND PEDESTRIAN PHASES USED ARE DESIGNATED BELOW

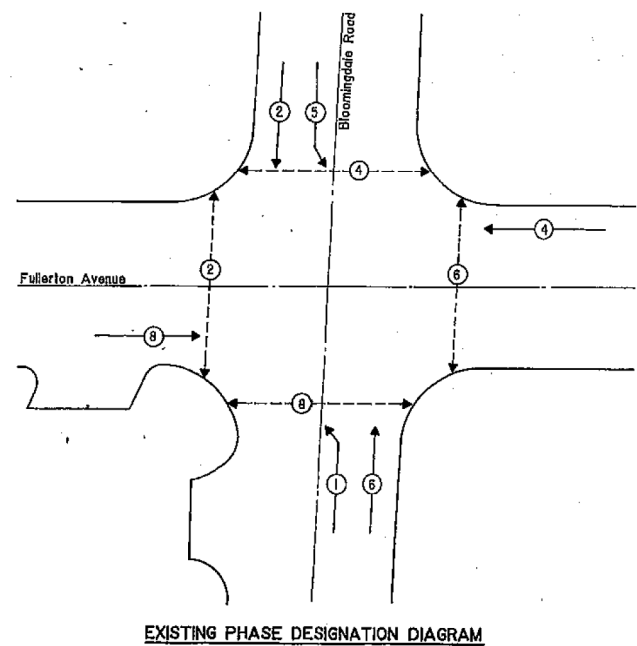
Ⓡ EXISTING PHASE DESIGNATION
Ⓡ PROPOSED PHASE DESIGNATION

RECORD DRAWING FOR INFORMATIONAL USE ONLY



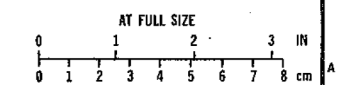
1. TERMINATION OF PHASES 1+5, 1+6, 2+5, 5+6, OR 4+7 SHALL BE WITH A CIRCULAR YELLOW FOLLOWED BY A CIRCULAR RED PRIOR TO DISPLAYING THE FIRE LANE INTERVAL.
2. TERMINATION OF PHASES 4+6 OR 3+7 SHALL BE WITH A CIRCULAR YELLOW FOLLOWED BY A CIRCULAR RED PRIOR TO DISPLAYING THE FIRE LANE INTERVAL FOR WESTBOUND FULLERTON AVENUE. FOR EASTBOUND FULLERTON AVENUE, TERMINATION OF PHASES 4+6 OR 3+7 SHALL BE WITH A CIRCULAR GREEN PRIOR TO DISPLAYING THE FIRE LANE INTERVAL.
3. TERMINATION OF THE FIRE LANE INTERVAL SHALL BE WITH A CIRCULAR YELLOW FOR EASTBOUND FULLERTON AVENUE FOLLOWED BY A CIRCULAR RED PRIOR TO RETURNING TO NORMAL PHASE 2+6.
4. TERMINATION OF ALL PEDESTRIAN INTERVALS SHALL INCLUDE A FULL FLASHING "DON'T WALK" CLEARANCE INTERVAL.
5. ALL RED CLEARANCE IS USED IN THE NORMAL SEQUENCE OF OPERATIONS, THEREFORE IT MUST BE DISPLAYED AFTER THE YELLOW CLEARANCE INTERVAL WHEN LEAVING THE FIRE LANE INTERVAL.

FIRE LANE SEQUENCE



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	2
FIRE PREEMPTOR	EACH	2
INDUCTION LOOP DETECTOR AMPLIFIER	EACH	4
DETECTOR LOOP	LF	768
UNIT DUCT WITHOUT CABLE IN TRENCH	LF	225
ELECTRIC CABLE IN CONDUIT NO. 14 7/C	LF	579
ELECTRIC CABLE IN CONDUIT NO. 14 2/C TWISTED SHIELDED	LF	701
TRENCH AND BACKFILL	LF	71
MODIFY EXISTING CONTROLLER	EACH	1
PULL AND REINSTALL ELECTRIC CABLE FROM CONDUIT	LF	579
DRILL EXISTING HANDHOLE	EACH	1
PULL ELECTRIC CABLE FROM CONDUIT	LF	579
THERMOPLASTIC PAVEMENT MARKING LINE 4-INCH	LF	5100
THERMOPLASTIC PAVEMENT MARKING LINE 6-INCH	LF	1100
THERMOPLASTIC PAVEMENT MARKING LINE 12-INCH	LF	370
THERMOPLASTIC PAVEMENT MARKING LINE 24-INCH	LF	120
THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS	SF	120
PAVEMENT MARKING TAPE, TYPE III	LF	3000
SIGNAL HEAD, 1 FACE, 5 SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, 1 FACE, 5 SECTION, MAST ARM MOUNTED	EACH	2
CONCRETE DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING HANDHOLE	EACH	1



NO.	REVISIONS	DRAWN	APPROVED	DATE	NO.	REVISIONS	DRAWN	APPROVED	DATE
1					2				
2					3				
3					4				
4					5				
5					6				

STANLEY CONSULTANTS
INTERNATIONAL CONSULTANTS IN ENGINEERING, ARCHITECTURE, PLANNING, AND MANAGEMENT

FULLERTON AVENUE FROM PRESIDENT STREET TO BLOOMINGDALE ROAD
CABLE PLAN AND PHASE DESIGNATION DIAGRAM
GLENDALE HEIGHTS, ILLINOIS

SCALE	NO SCALE
NO.	REV.
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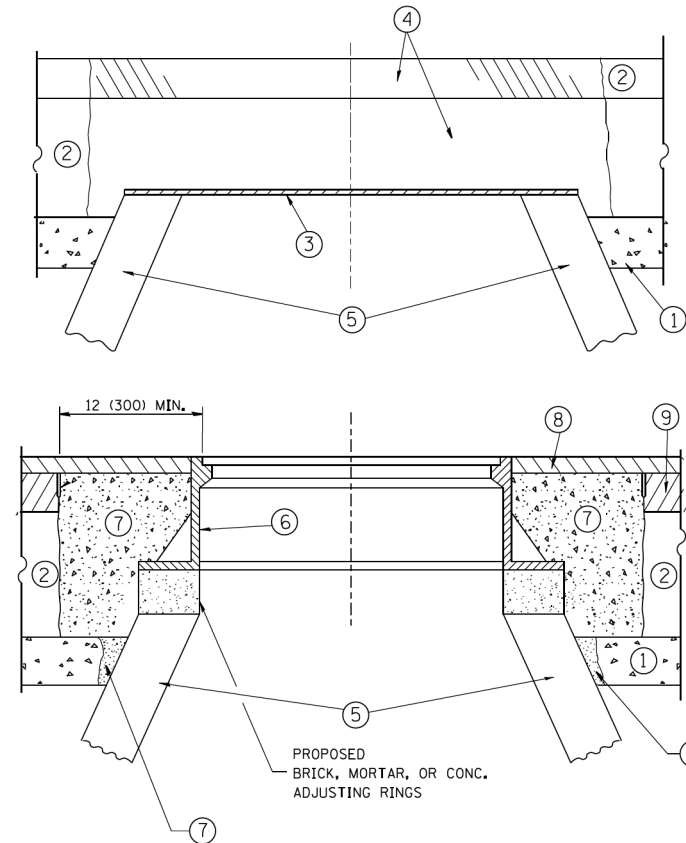
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PLOT DATE = 11/7/2017		DATE -	11/7/2017	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FULLERTON AVENUE RESURFACING
EXISTING TRAFFIC SIGNAL PLANS
(FOR REFERENCE ONLY)

SCALE: 48' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1378	17-00068-00-R5	DUPAGE	31	22
CONTRACT NO. 61E26				
ILLINOIS FED. AID PROJECT				



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

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

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES:

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

BASIS OF PAYMENT:

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

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

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

NOTES:

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

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

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

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

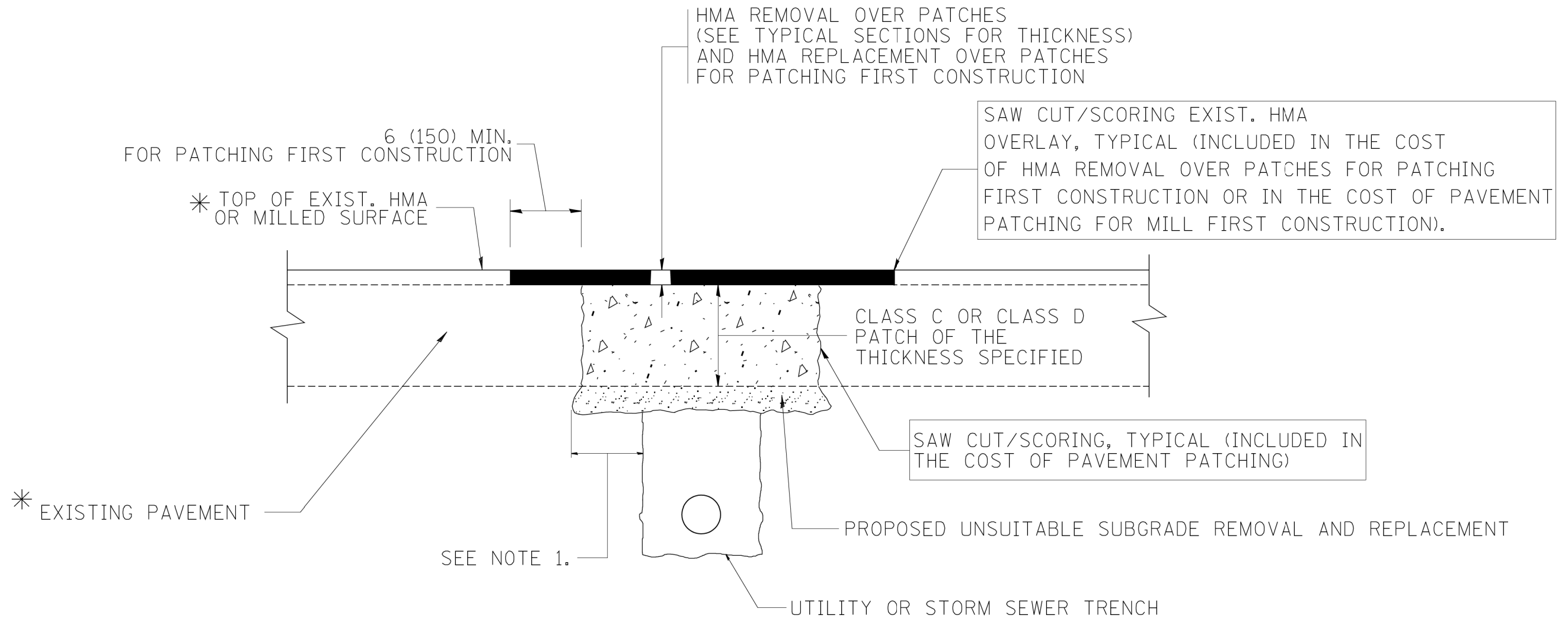
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
ca:\pwork\pwork\baerd1\d0108315\bd08.dgn		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 1/68.5000 "/ m	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 12/6/2011	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1379	17-00068-00-RS	DUPAGE	31	23
BD600-03 (BD-8)		CONTRACT NO. 61E26		
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.

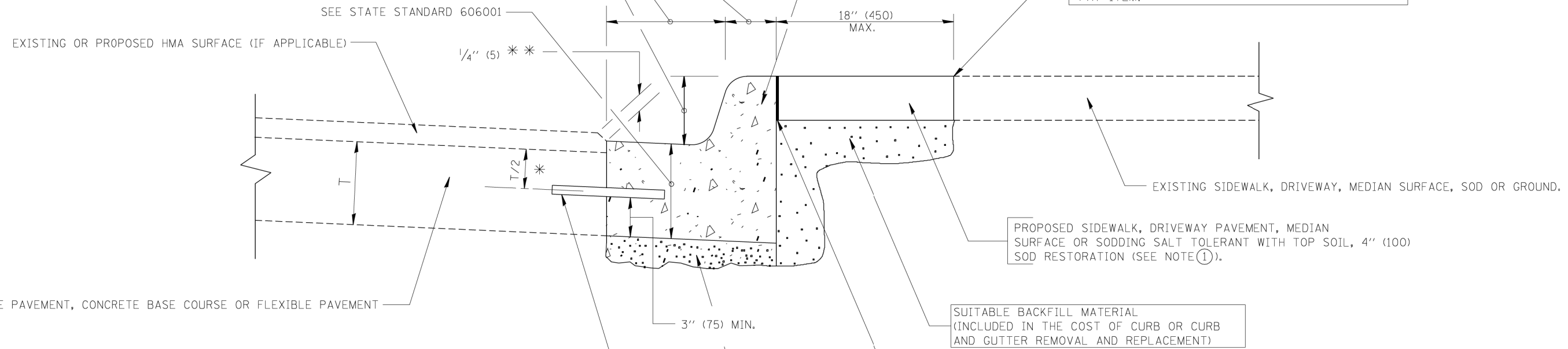
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. BORO 09-04-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	BD400-04 (BD-22)		CONTRACT NO. 61E26		
	PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08		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.



* 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.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY. SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY,

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.

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.

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.

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.

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.)

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.

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

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

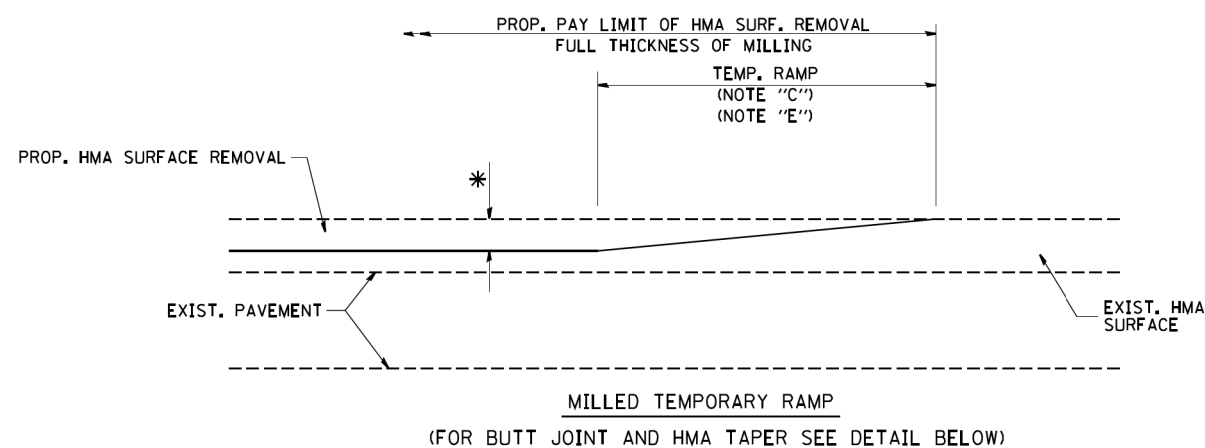
PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

BASIS OF PAYMENT:
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".

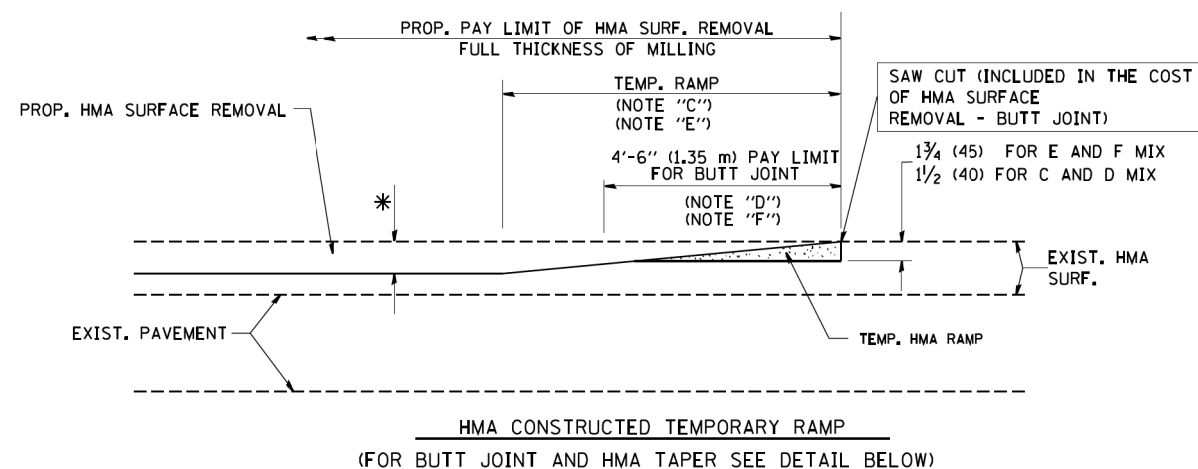
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\p\work\p\dot\drivakosgn\d0108315\bc24.dgn		DRAWN -	REVISED - A. ABBAS 03-21-97			1379	17-00068-00-R5	DUPAGE	31	25
		CHECKED -	REVISED - M. GOMEZ 01-22-01			BD600-06 (BD-24)		CONTRACT NO. 61E26		
		DATE - 03-11-94	REVISED - R. BORO 12-15-09			SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.

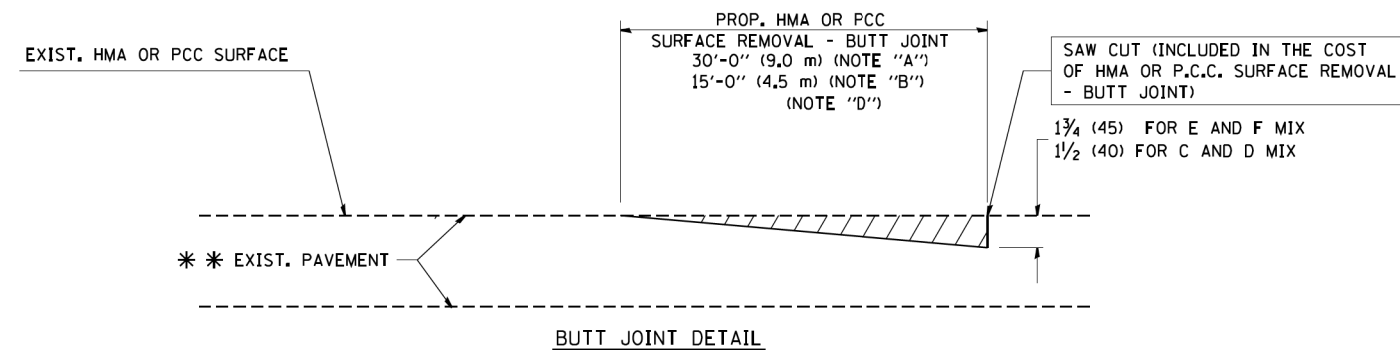


OPTION 1

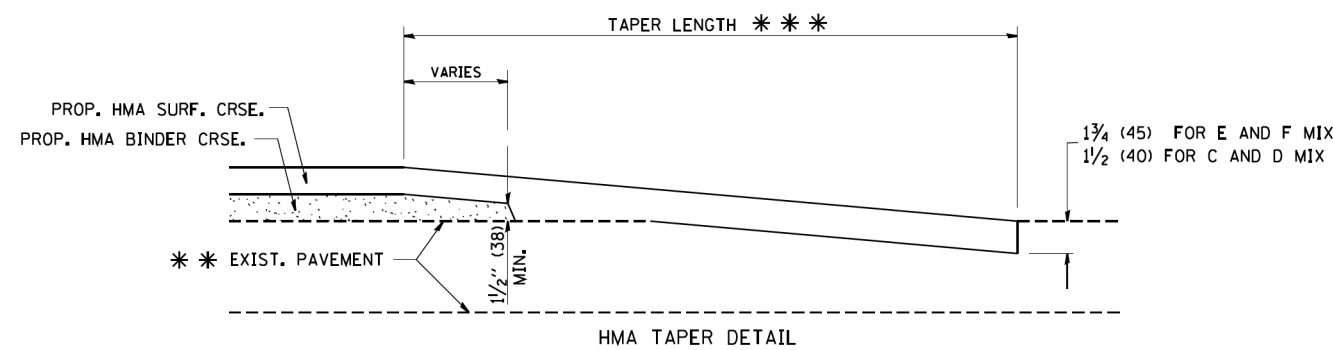


OPTION 2

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".

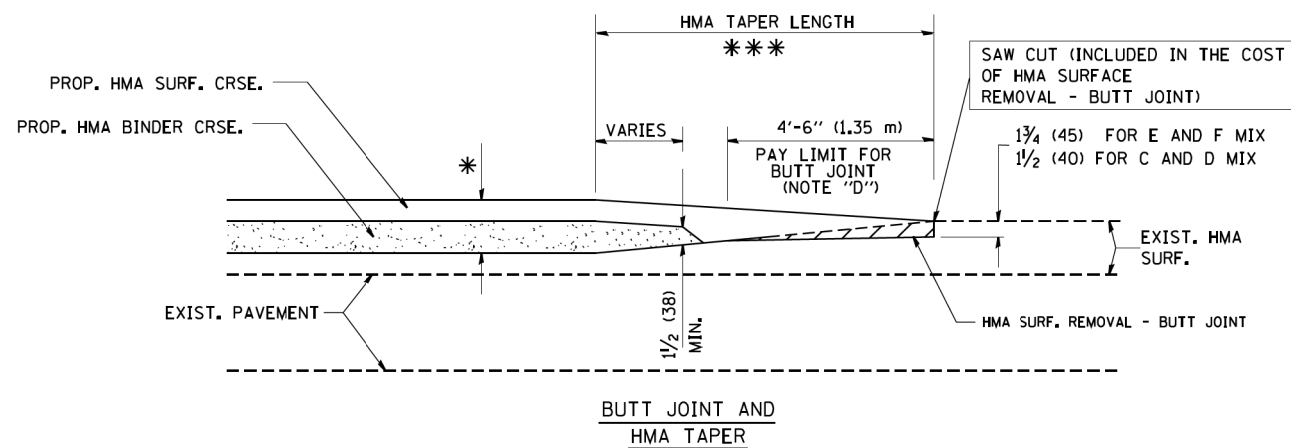
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

*** 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

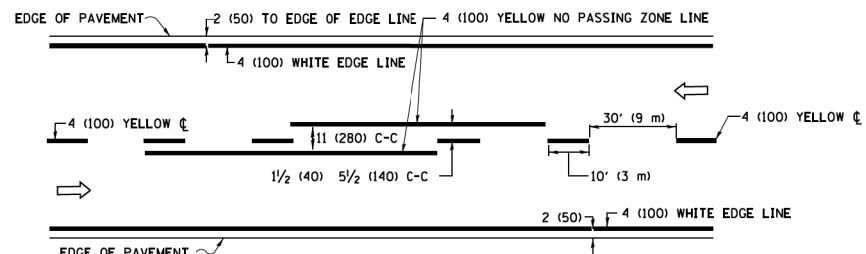
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		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

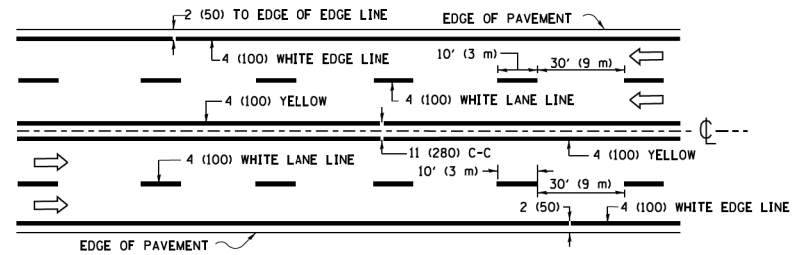
**BUTT JOINT AND
HMA TAPER DETAILS**

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

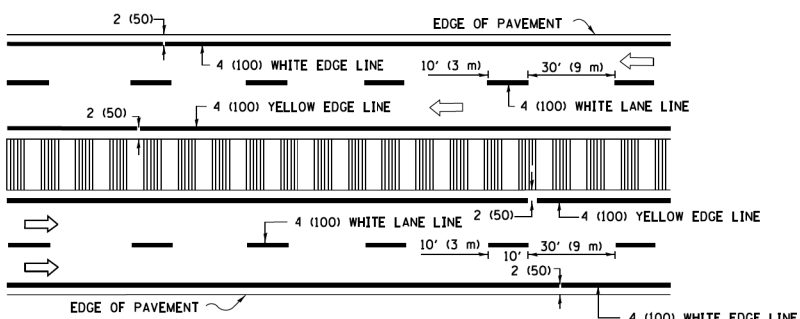
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1379	17-00068-00-R5	DUPAGE	31	26
BD400-05 BD32		CONTRACT NO. 61E26		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

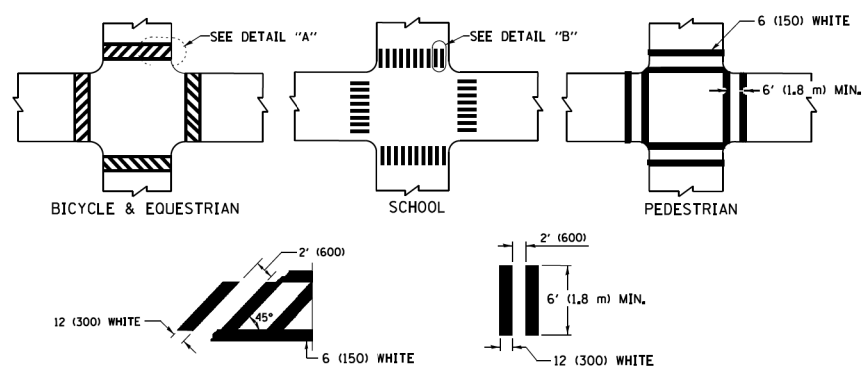


MULTI-LANE UNDIVIDED



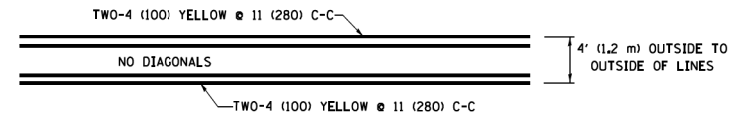
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

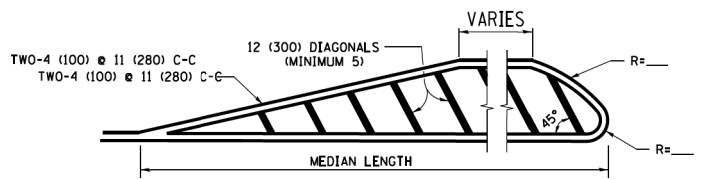


TYPICAL CROSSWALK MARKING

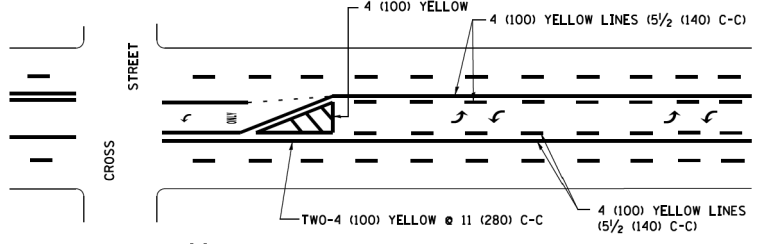
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



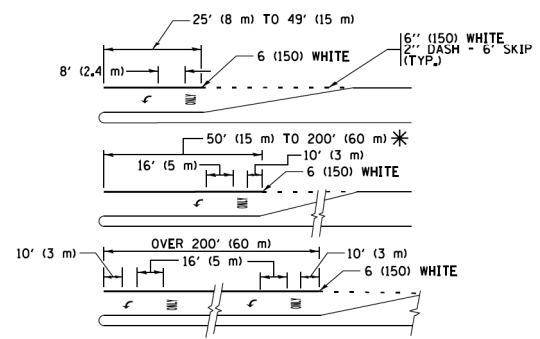
4' (1.2 m) WIDE MEDIANS ONLY



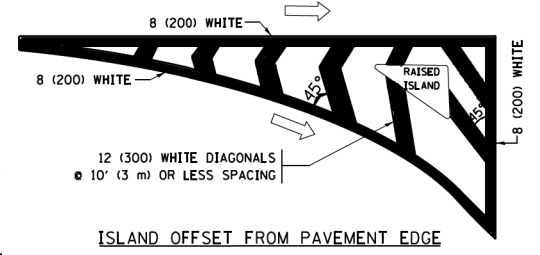
MEDIANS OVER 4' (1.2 m) WIDE



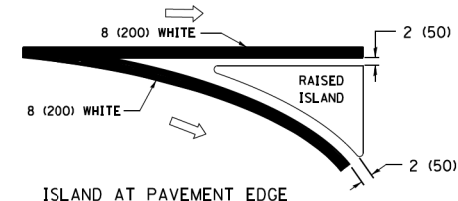
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



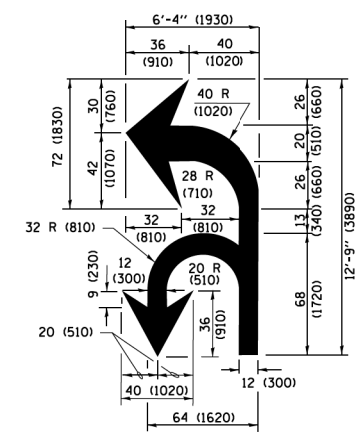
TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING



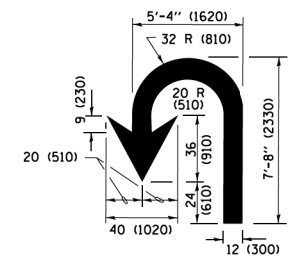
ISLAND OFFSET FROM PAVEMENT EDGE



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 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.
CORE 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 (30 MPH (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 "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"
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.

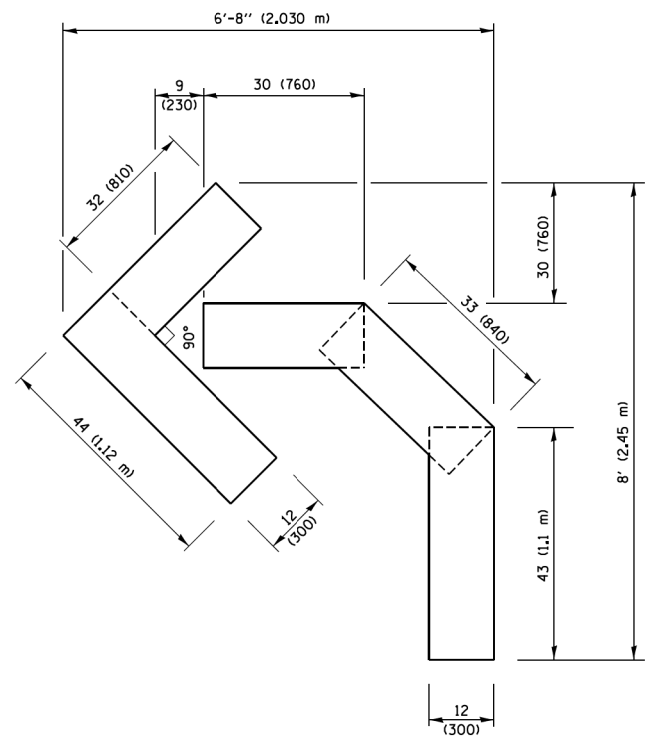
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
pw\1\084E8ID\INTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\Dist 1\CAD\CADData\CADsheets\tc13.dgn		DRAWN -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 50,000' / in	CHECKED -	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 4/13/2016	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

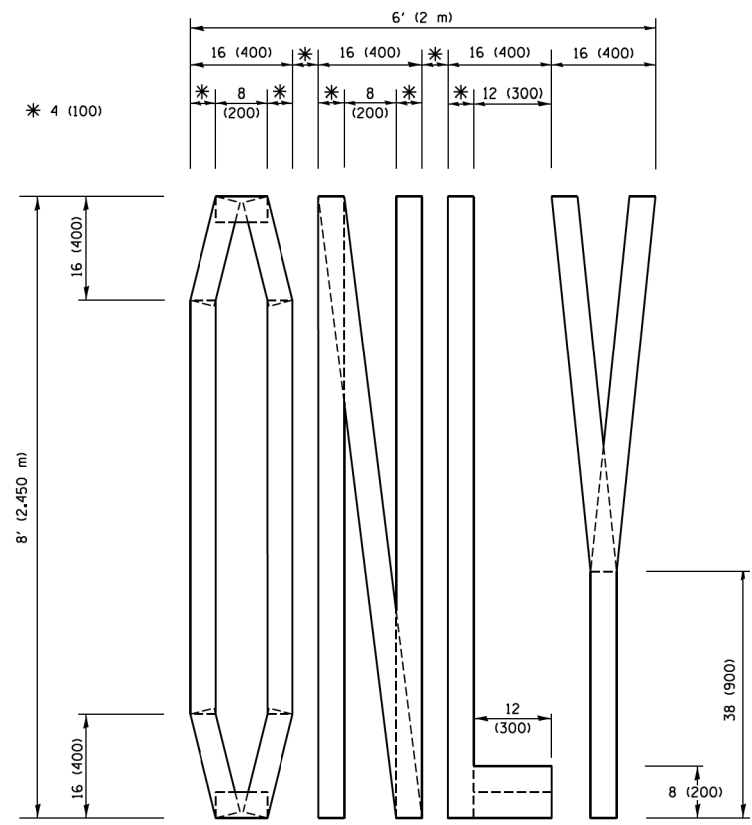
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

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

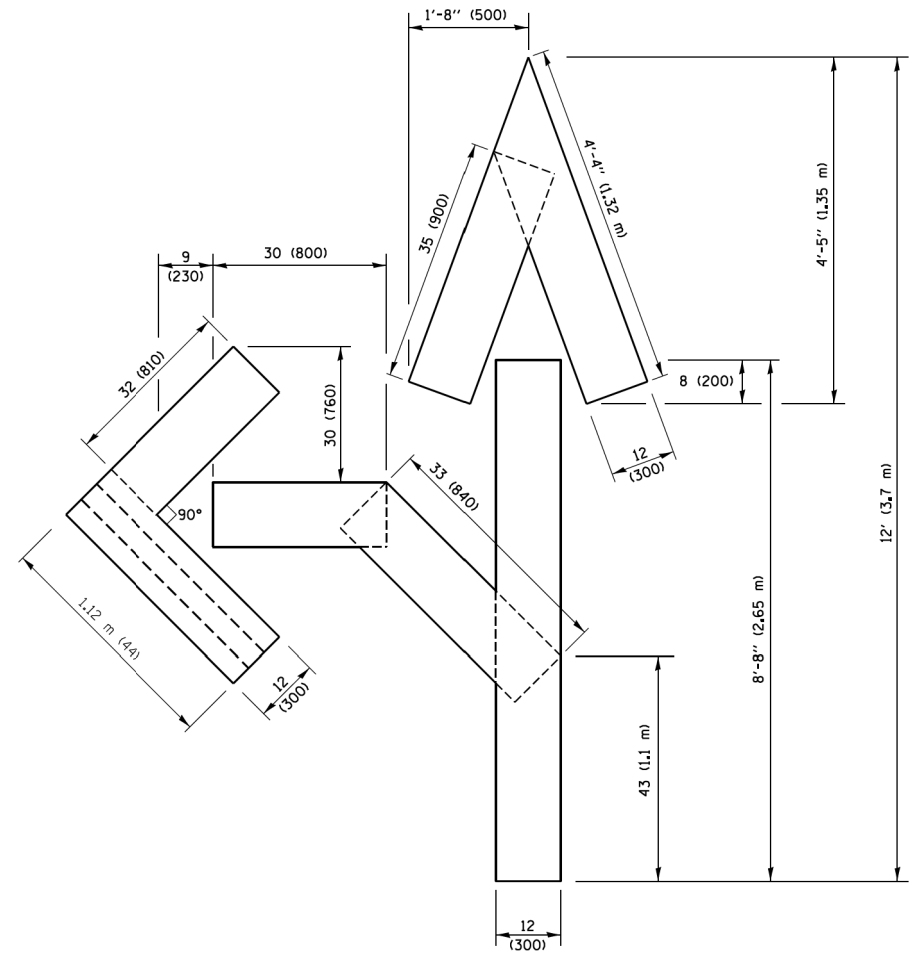
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1379	17-00068-00-RS	DUPAGE	31	28
TC-13		CONTRACT NO.	61E26	
ILLINOIS FED. AID PROJECT				



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

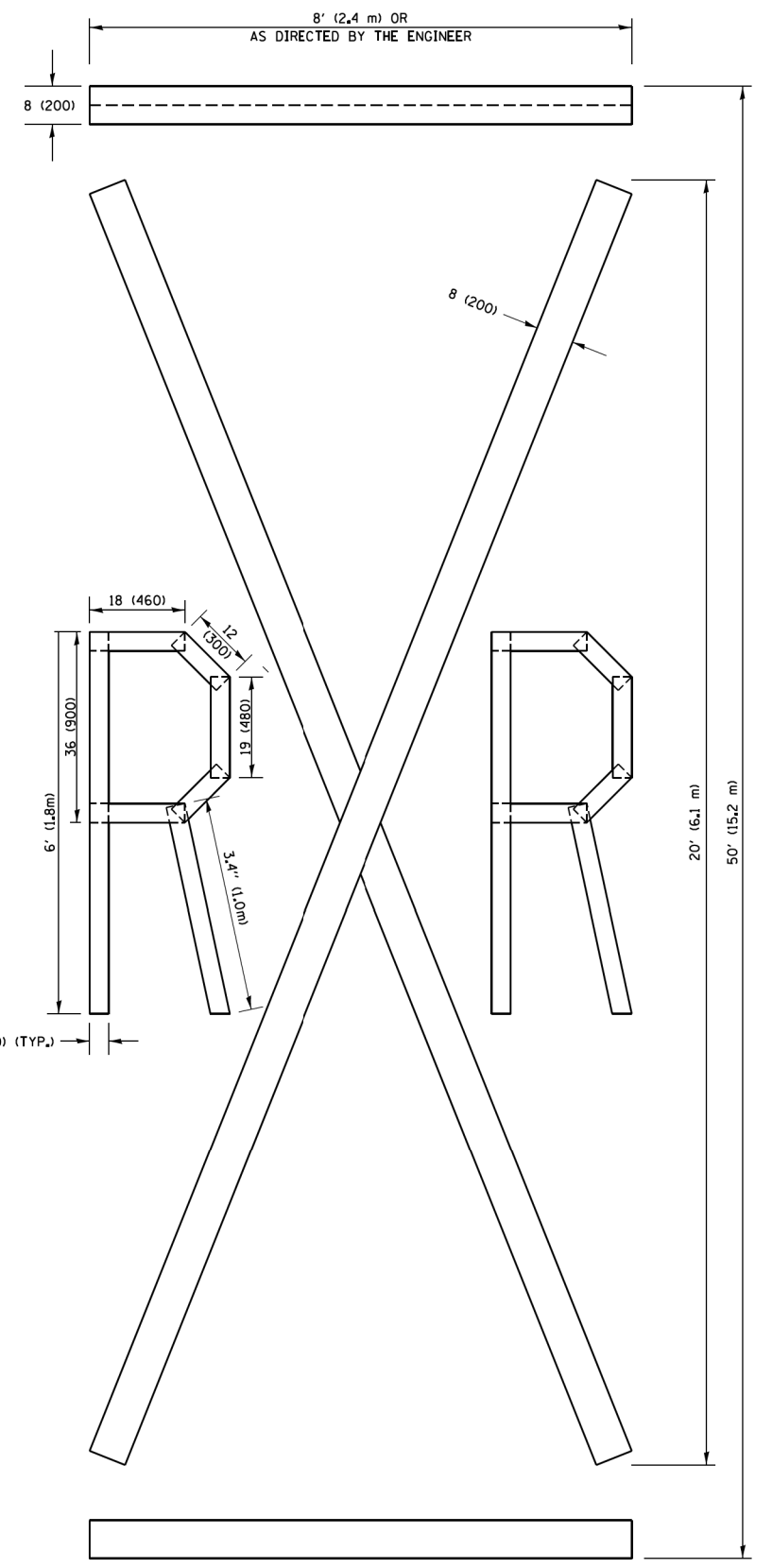


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



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

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



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

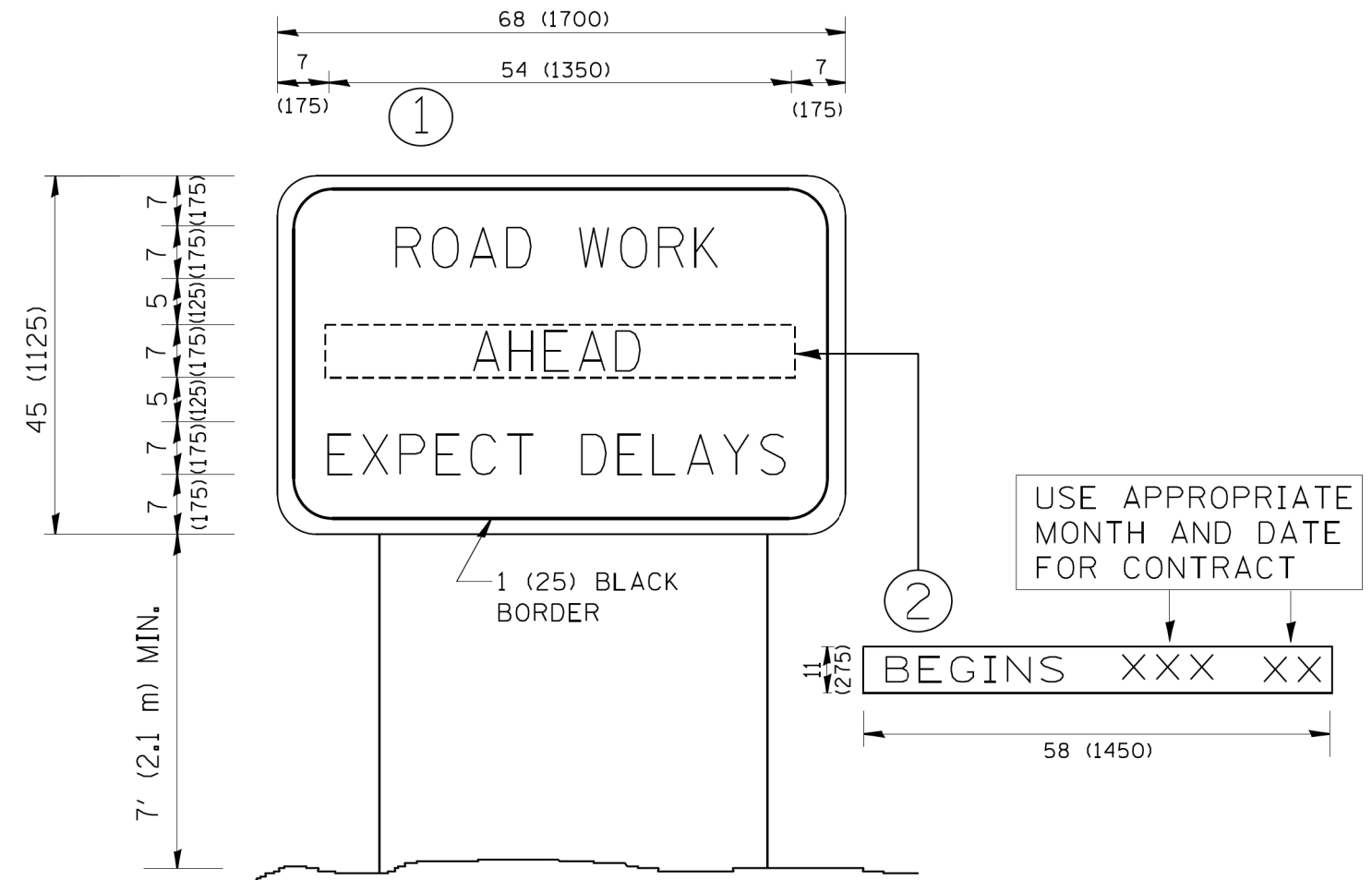
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
pw\1\084E81D\INTEG\illinois.gov\FWIDOT\Documents\DOT Offices\District 1\Projects\Dist 1\CADData\CADsheets\to16.dgn		DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 50,0000' / 1"		CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 9/15/2016		DATE -	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1379	17-00068-00-R5	DUPAGE	31	29
TC-16		CONTRACT NO. 61E26		
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 = geglanoht	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

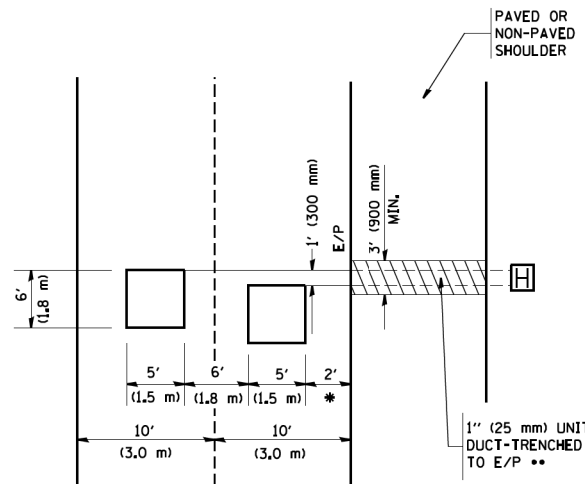
**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1379	17-00068-00-R5	DUPAGE	31	30
TC-22		CONTRACT NO. 61E26		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.



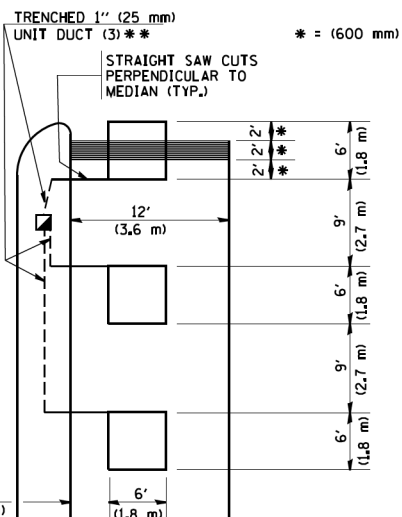
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

**LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH**

(PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



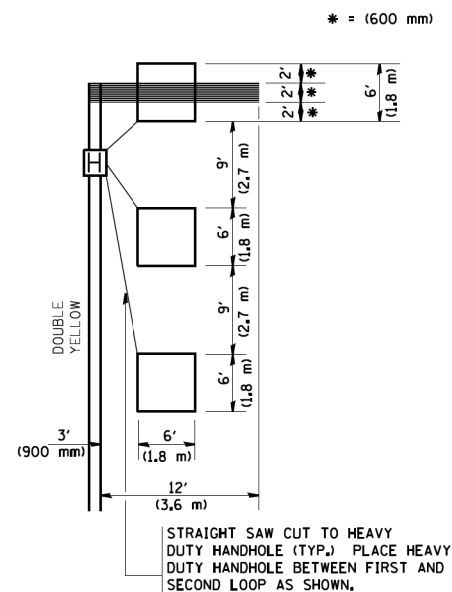
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH**

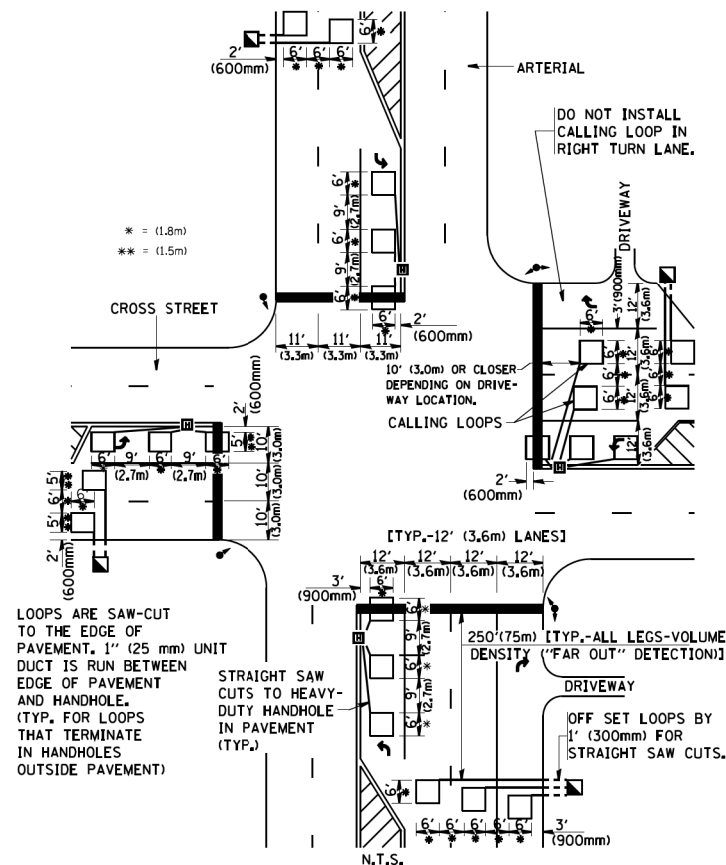
(PROTECTED / PERMITTED LEFT TURN PHASING)



* = (600 mm)

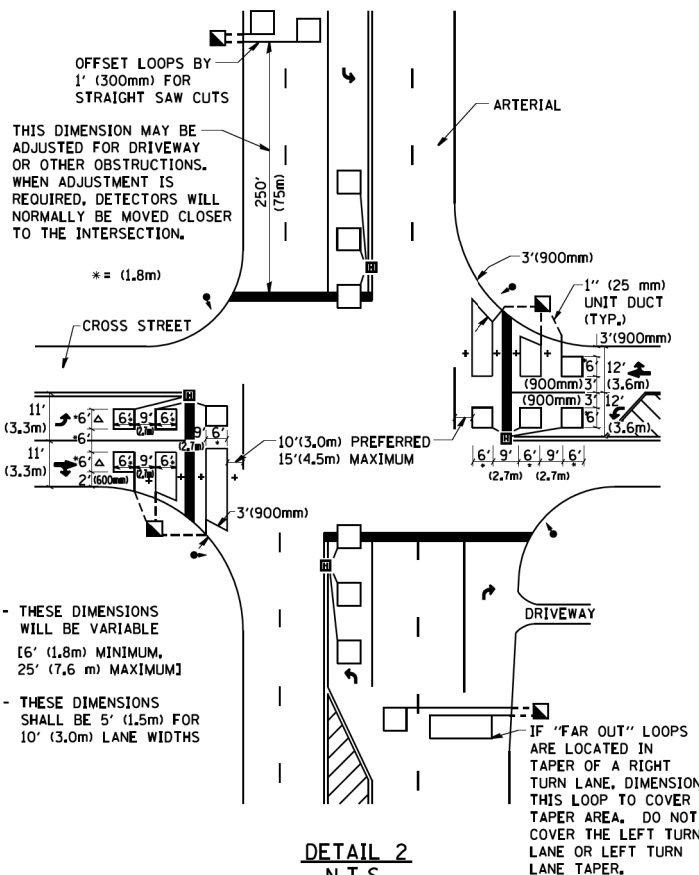
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)**



DETAIL 1
N.T.S.

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)**



DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

FILE NAME = W:\distatd\22x34\ts07.dgn

USER NAME = gaglianobt
PLOT SCALE = 50.0000' / IN.
PLOT DATE = 1/4/2008

DESIGNED -
DRAWN -
CHECKED - R.K.F.
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT 1 - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1379	17-00068-00-R5	DUPAGE	31	31
TS-07		CONTRACT NO.	61E26	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				