

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	(543-R&561)RS-6	DUPAGE	45	1
		ILLINOIS	CONTRACT NO. 62D15	

D-91-433-16

FOR INDEX OF SHEETS, SEE SHEET NO. 2

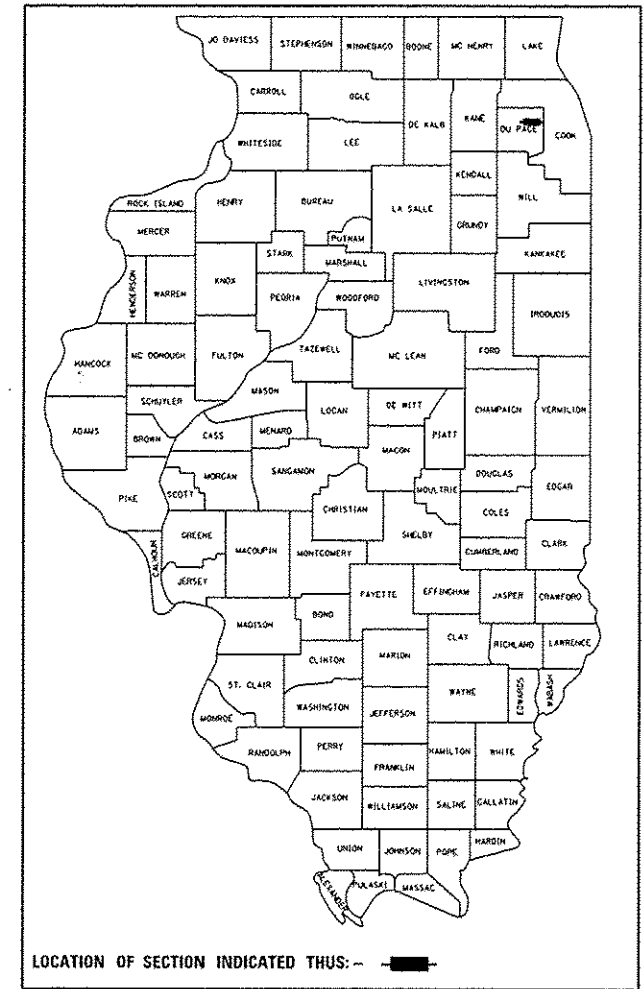
THIS PROJECT IS LOCATED IN
THE CITIES OF ELMHURST
AND OAKBROOK TERRACE

**PROPOSED
HIGHWAY PLANS**

**FAU: 3545 IL ROUTE 56 (BUTTERFIELD ROAD)
WEST OF IL 83 TO CADWELL AVENUE /HIGH STREET**

**SECTION (543-R&561)RS-6
RESURFACING (3P), PEDESTRIAN RAMPS**

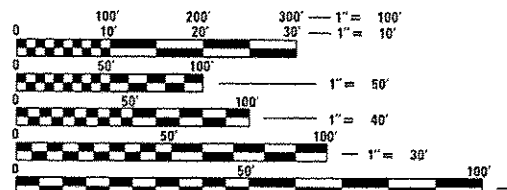
**PROJECT:
DUPAGE COUNTY
C-91-433-16
PROJECT STP-3545(008)**



TRAFFIC DATA

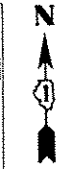
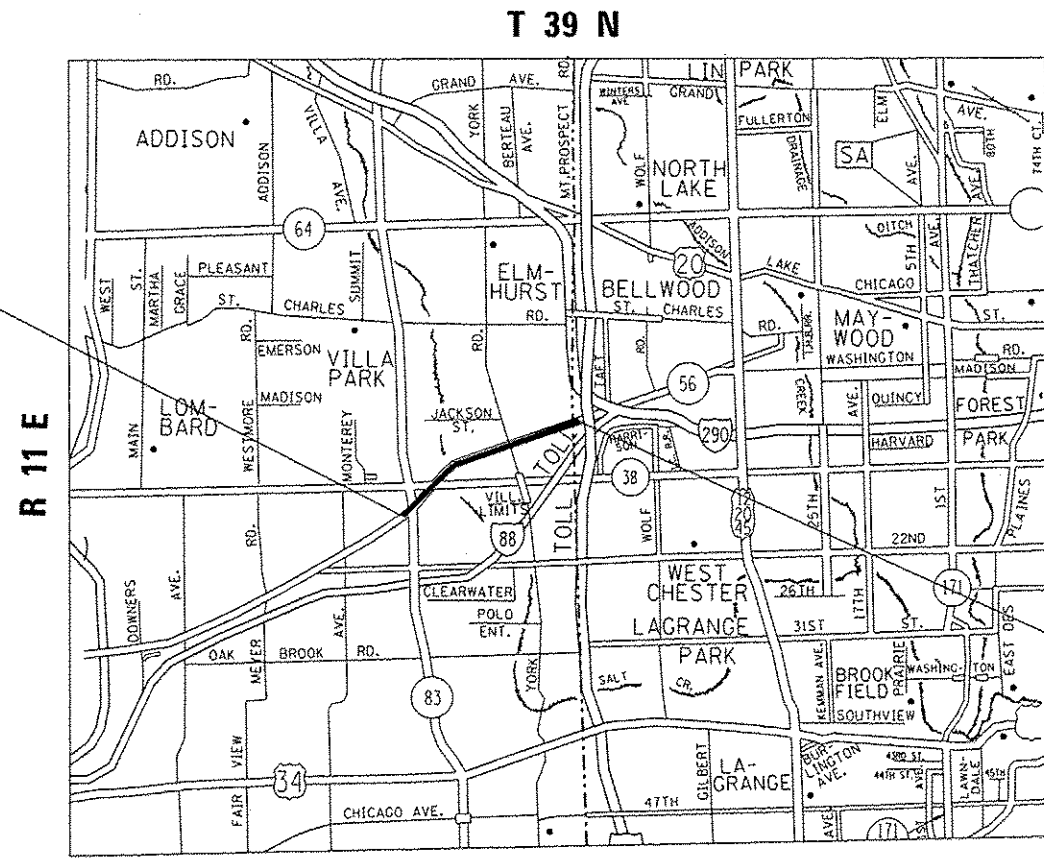
2015 ADT = 24700
POSTED SPEED LIMIT = 35-45 MPH

PROJECT BEGINS
STA. 9+54



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD 1" = 20' 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



OMISSION:
STA 32+77 - STA 34+68
STA 48+73 - STA 50+57
STA 57+12 - STA 70+20

PROJECT ENDS
STA. 138+64.5

PROJECT ENGINEER: KARI SMITH (847) 705-4437
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62D15

GROSS LENGTH = 12,910.5 FT. = 2.45 MILES
NET LENGTH = 11,771 FT. = 2.23 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED April 3 2017
Amir J. Dughra
REGIONAL ENGINEER

May 12 2017
Karim M. Addis
ENGINEER OF DESIGN AND ENVIRONMENT

May 12 2017
David J. ...
DIRECTOR OF PROGRAM DEVELOPMENT

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

URBAN

URBAN

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE 0005			
20200100	EARTH EXCAVATION	CU YD	36	36			
21101625	TOPSOIL FURNISH AND PLACE, 6"	SO YD	275	275			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	4	4			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	4	4			
25200110	SODDING, SALT TOLERANT	SO YD	275	275			
25200200	SUPPLEMENTAL WATERING	UNIT	3	3			
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	48855	48855			
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	108	108			
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	2952	2952			
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	1418	1418			
40603565	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70	TON	7138	7138			
42001300	PROTECTIVE COAT	SO YD	1256	1256			
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	4154	4154			

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE			
42400800	DETECTABLE WARNINGS	SO FT	480	480			
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SO YD	263	263			
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	71557	71557			
44000600	SIDEWALK REMOVAL	SO FT	4051	4051			
44003100	MEDIAN REMOVAL	SO FT	10948	10948			
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SO YD	15	15			
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SO YD	526	526			
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SO YD	585	585			
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SO YD	416	416			
44201839	CLASS D PATCHES, TYPE II, 16 INCH	SO YD	60	60			
44201843	CLASS D PATCHES, TYPE III, 16 INCH	SO YD	31	31			
44201845	CLASS D PATCHES, TYPE IV, 16 INCH	SO YD	1560	1560			
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	80	80			
60250200	CATCH BASINS TO BE ADJUSTED	EACH	9	9			
60251740	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 24 FRAME AND GRATE	EACH	1	1			

FILE NAME =	USER NAME = /asphm	DESIGNED -	REVISED -
pw:\NLD\BIB\BIB\TEC\Illinois\gov\FWIDOT\Document\51007	0111000\01111\ref NP10\ref\51042046\CAD\0111\Design\01112015	DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
	PLOT DATE = 4/5/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	(543-R&S)RS-6		45	3
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62015	

URBAN

URBAN

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE 0005			
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	1	1			
60260100	INLETS TO BE ADJUSTED	EACH	1	1			
60261300	INLETS TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	EACH	1	1			
60262700	INLETS TO BE RECONSTRUCTED	EACH	1	1			
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	10	10			
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SO FT	163	163			
60619600	CONCRETE MEDIAN, TYPE SB-6.12	SO FT	6860	6860			
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	25	25			
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1			
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	4	4			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6			
67100100	MOBILIZATION	LSUM	1	1			
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1	1			
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	LSUM	1	1			

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE			
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	LSUM	1	1			
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	LSUM	1	1			
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	LSUM	1	1			
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	1			
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1	1			
70300100	SHORT TERM PAVEMENT MARKING	FOOT	5782	5782			
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	964	964			
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	802	802			
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	42415	42415			
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	3116	3116			
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	2720	2720			
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1232	1232			
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	336	336			

*Specialty Item

FILE NAME :	USER NAME :	DESIGNED :	REVISED :
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PLOT SCALE :	CHECKED :	REVISED :	REVISED :
1/1000000			
PLOT DATE :	DATE :	REVISED :	REVISED :
1/15/2017			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3945	1543-R&S11RS-6	DUPAGE	45	4
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62D15	

URBAN

URBAN

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE 0005				
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	2891	2891				
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	802	802				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	42515	42515				
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	3116	3116				
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	2720	2720				
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1232	1232				
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	336	336				
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	670	670				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	275	275				
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1				
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	1812	1812				
* 89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	14	14				

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES					
* 89502376	REBUILD EXISTING HANDHOLE	EACH	1	1				
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	LSUM	1	1				
X0325225	BRICK PAVEMENT REMOVAL AND REPLACEMENT	SO FT	70	70				
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	44	44				
X4400100	PORTLAND CONCRETE CEMENT SURFACE REMOVAL (VARIABLE DEPTH)	SO YD	433	433				
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SO FT	163	163				
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	200	200				
X5537900	STORM SEWERS TO BE CLEANED 15"	FOOT	20	20				
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	41	41				
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	21167	21167				
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	577	577				
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	23	23				
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	51.4	51.4				

FILE NAME =	USER NAME = jssahm	DESIGNED -	REVISED -
OFFICE DISTRICT NAME	PROJECT NAME	CHECKED -	REVISED -
PLOT SCALE = 1/8" = 1'	PLOT DATE = 4/5/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

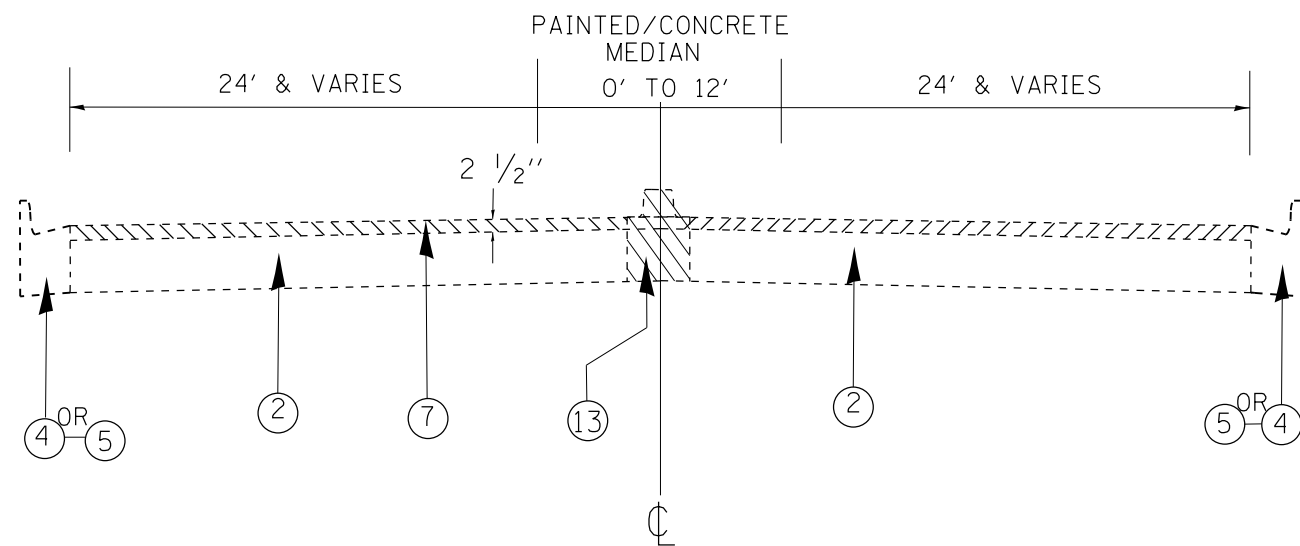
SUMMARY OF QUANTITIES

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

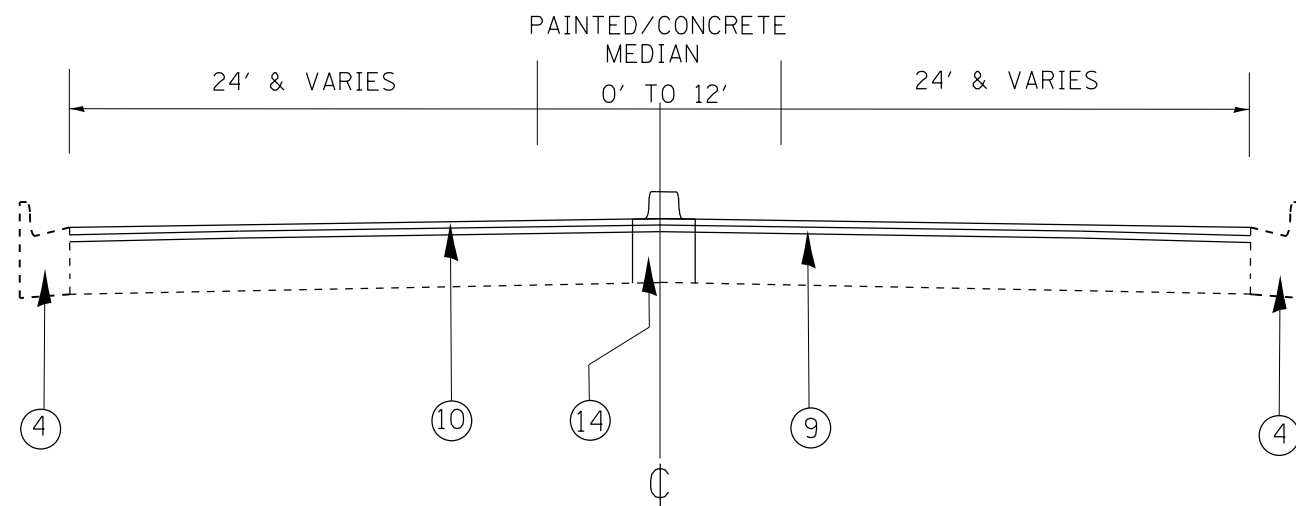
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3545	1543-R8561RS-6	DUPAGE	46	5
CONTRACT NO. 62D15				
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT				

Non-Participating

REV



IL56/BUTTERFIELD RD.
EXISTING TYPICAL SECTION
STA 9+54 TO STA 15+65
STA 17+34 TO STA 48+73



IL56/BUTTERFIELD RD.
PROPOSED TYPICAL SECTION
STA 9+54 TO STA 15+65
STA 17+34 TO STA 48+73

*GRADING AND SHAPING SHOULDER & AGGREGATE WEDGE SHOULDER LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.

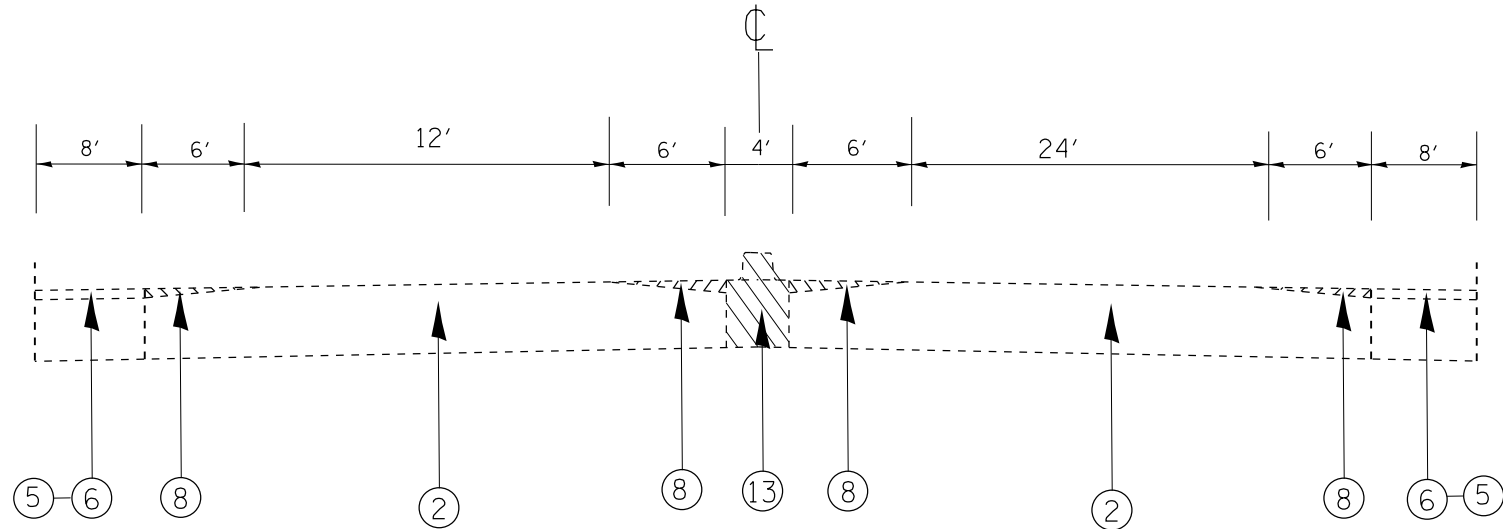
LEGEND

- ① EXISTING HMA SURFACE COURSE, 8 1/2" AND VARIES
- ② EXISTING PCC PAVEMENT, 10" AND VARIES
- ③ EXISTING BASE COURSE WIDENING, 9"
- ④ EXISTING CURB AND GUTTER
- ⑤ EXISTING HMA/AGGREGATE SHOULDER
- ⑥ PROPOSED HMA SURFACE REMOVAL, 1 3/4" (HMA SHOULDER)
- ⑦ PROPOSED HMA SURFACE REMOVAL, 2 1/2"
- ⑧ PROPOSED PCC SURFACE REMOVAL, VARIABLE DEPTH (0 - 1 1/2")
- ⑨ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑩ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4"
- ⑪ PROPOSED AGGREGATE WEDGE SHOULDERS, TYPE B
- ⑫ PROPOSED GRADING AND SHAPING SHOULDERS
- ⑬ PROPOSED MEDIAN REMOVAL (STA 9+54 TO STA 26+69) (STA 91+81 TO STA 95+65)
- ⑭ PROPOSED CONCRETE MEDIAN, TYPE SB-6.12 (STA 9+54 TO STA 26+69)

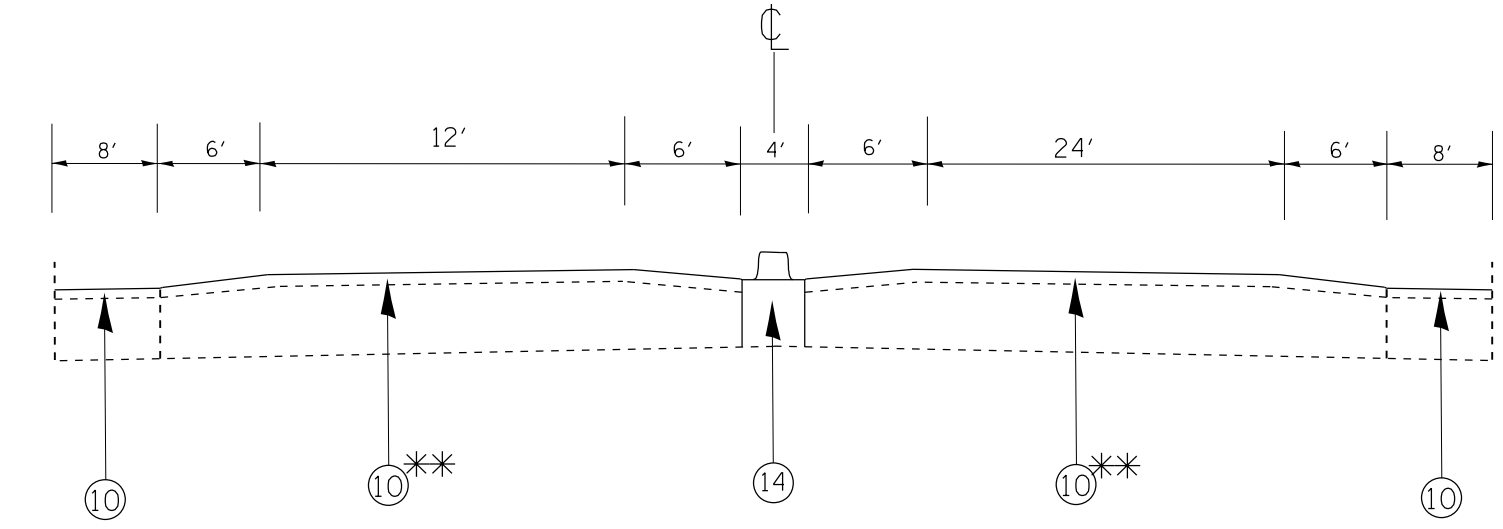
HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS @ Ndes	
POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, (IL-9.5 mm)	4% @ 70 GYR.	OCP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	3.5% @ 50 GYR.	OCP
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR.	QC/OA
QMP DESIGNATION: QUALITY CONTROL/ QUALITY ASSURANCE (QC/OA); QUALITY CONTROL FOR PERFORMANCE (OCP); PAY FOR PERFORMANCE (PFP)		

NOTES:

1. THE CONTRACTOR SHALL MILL BEFORE PATCHING
2. 10" CLASS D PATCHING (STA 9+54 TO STA 48+73)
16" CLASS D PATCHING (STA 50+57 TO STA 138+643.5)
3. THE UNIT WEIGHT TO BE USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
4. 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.
QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.



IL56/BUTTERFIELD RD.
EXISTING TYPICAL SECTION
STA 15+65 TO STA 17+34



IL56/BUTTERFIELD RD.
PROPOSED TYPICAL SECTION
STA 15+65 TO STA 17+34

** PROPOSED HMA OVERLAY OF EXISTING PCC PAVEMENT

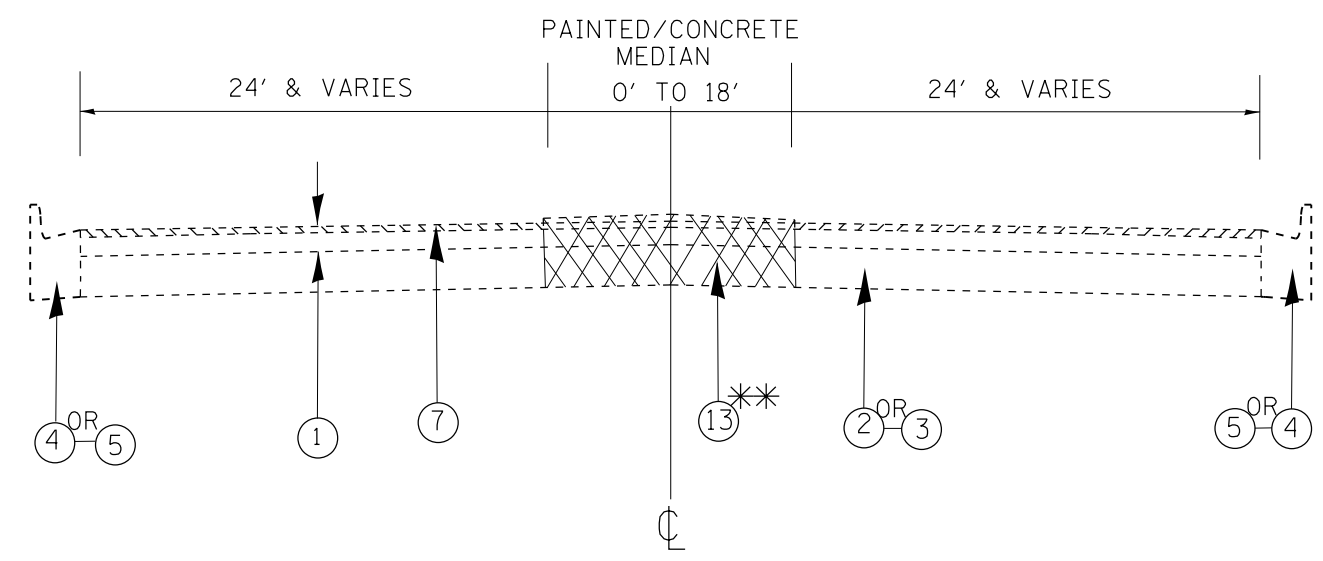
LEGEND

- ① EXISTING HMA SURFACE COURSE, 8 1/2" AND VARIES
- ② EXISTING PCC PAVEMENT, 10" AND VARIES
- ③ EXISTING BASE COURSE WIDENING, 9"
- ④ EXISTING CURB AND GUTTER
- ⑤ EXISTING HMA/AGGREGATE SHOULDER
- ⑥ PROPOSED HMA SURFACE REMOVAL, 1 3/4" (HMA SHOULDER)
- ⑦ PROPOSED HMA SURFACE REMOVAL, 2 1/2"
- ⑧ PROPOSED PCC SURFACE REMOVAL, VARIABLE DEPTH (0 - 1 1/2")
- ⑨ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑩ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4"
- ⑪ PROPOSED AGGREGATE WEDGE SHOULDERS, TYPE B
- ⑫ PROPOSED GRADING AND SHAPING SHOULDERS
- ⑬ PROPOSED MEDIAN REMOVAL (STA 9+54 TO STA 26+69) (STA 91+81 TO STA 95+65)
- ⑭ PROPOSED CONCRETE MEDIAN, TYPE SB-6.12, 4' (STA 9+54 TO STA 26+69)

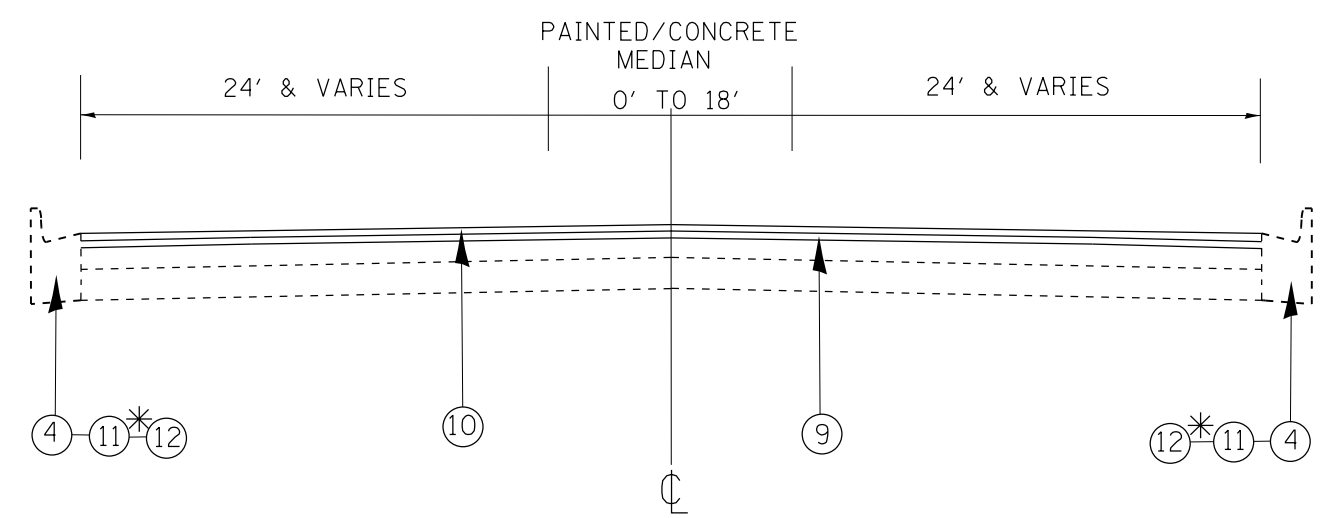
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 62D15							
	PLOT DATE = 4/5/2017	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT

LEGEND

- ① EXISTING HMA SURFACE COURSE, 8 1/2" AND VARIES
- ② EXISTING PCC PAVEMENT, 10" AND VARIES
- ③ EXISTING BASE COURSE WIDENING, 9"
- ④ EXISTING CURB AND GUTTER
- ⑤ EXISTING HMA/AGGREGATE SHOULDER
- ⑥ PROPOSED HMA SURFACE REMOVAL, 1 3/4" (HMA SHOULDER)
- ⑦ PROPOSED HMA SURFACE REMOVAL, 2 1/2"
- ⑧ PROPOSED PCC SURFACE REMOVAL, VARIABLE DEPTH (0 - 1 1/2")
- ⑨ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑩ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4"
- ⑪ PROPOSED AGGREGATE WEDGE SHOULDERS, TYPE B
- ⑫ PROPOSED GRADING AND SHAPING SHOULDERS
- ⑬ PROPOSED MEDIAN REMOVAL (STA 9+54 TO STA 26+69) (STA 91+81 TO STA 95+65)
- ⑭ PROPOSED CONCRETE MEDIAN, TYPE SB-6.12 (STA 9+54 TO STA 26+69)



IL56/BUTTERFIELD RD.
EXISTING TYPICAL SECTION
STA 50+57 TO STA 138+64.5



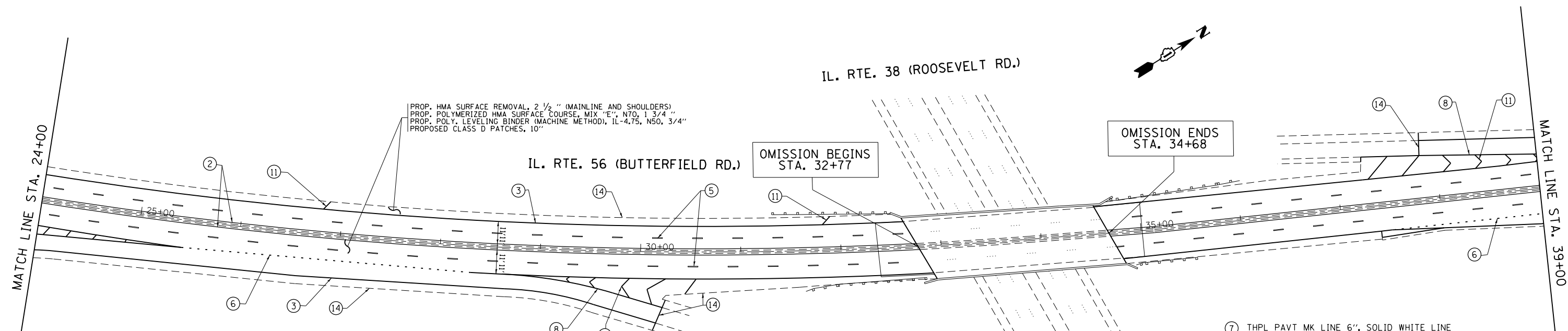
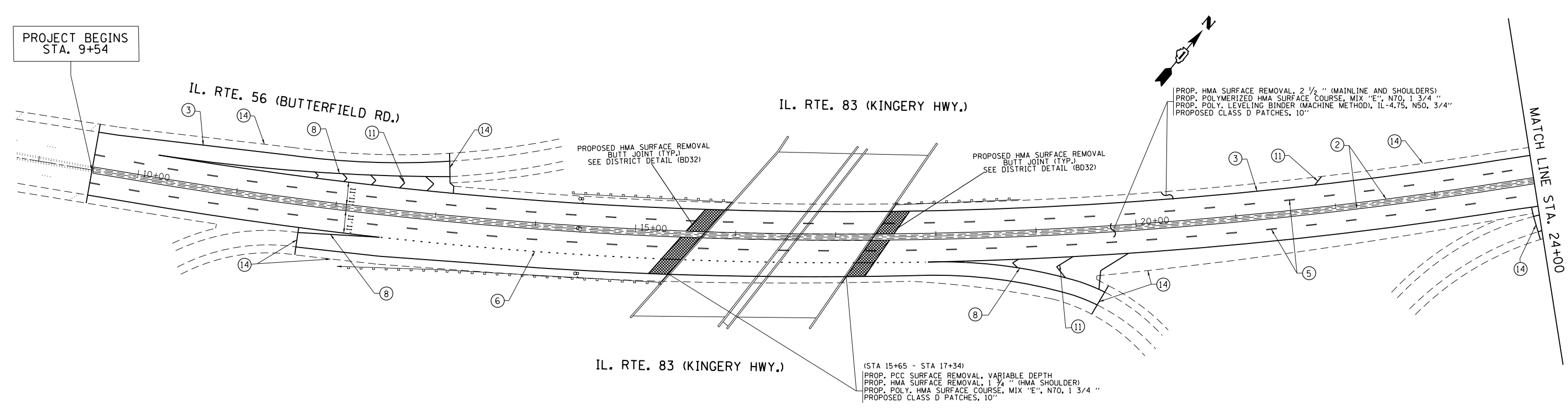
IL56/BUTTERFIELD RD.
PROPOSED TYPICAL SECTION
STA 50+57 TO STA 138+64.5

*GRADING AND SHAPING SHOULDER & AGGREGATE WEDGE SHOULDER LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.

**SEE SHEET NO. 11 FOR REPLACEMENT DETAILS FOR (STA 91+81 TO STA 95+65)

FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default	PLOT SCALE = 100.0005' / in.	DATE -	REVISED -						CONTRACT NO. 62D15					
	PLOT DATE = 4/5/2017								ILLINOIS FED. AID PROJECT					

USE TC-11 IDOT DETAIL
USE TC-13 IDOT DETAIL

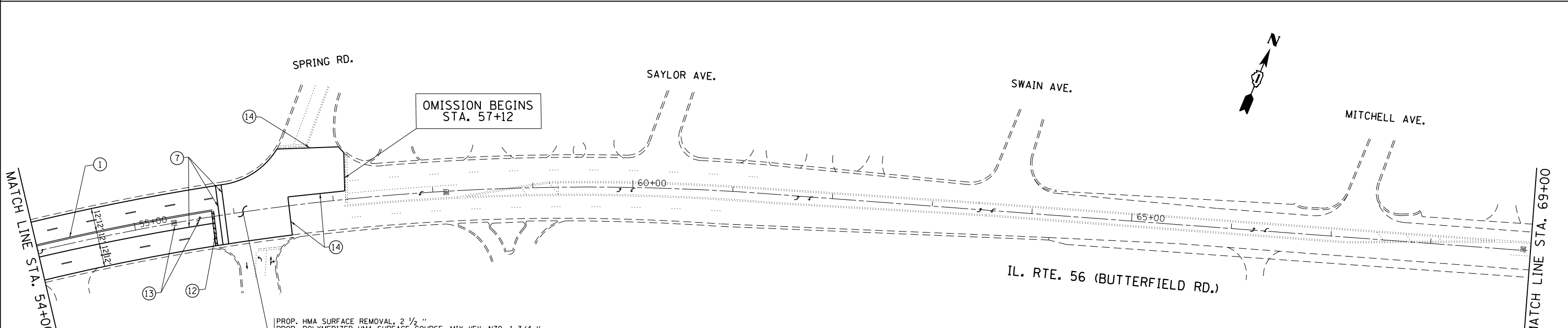
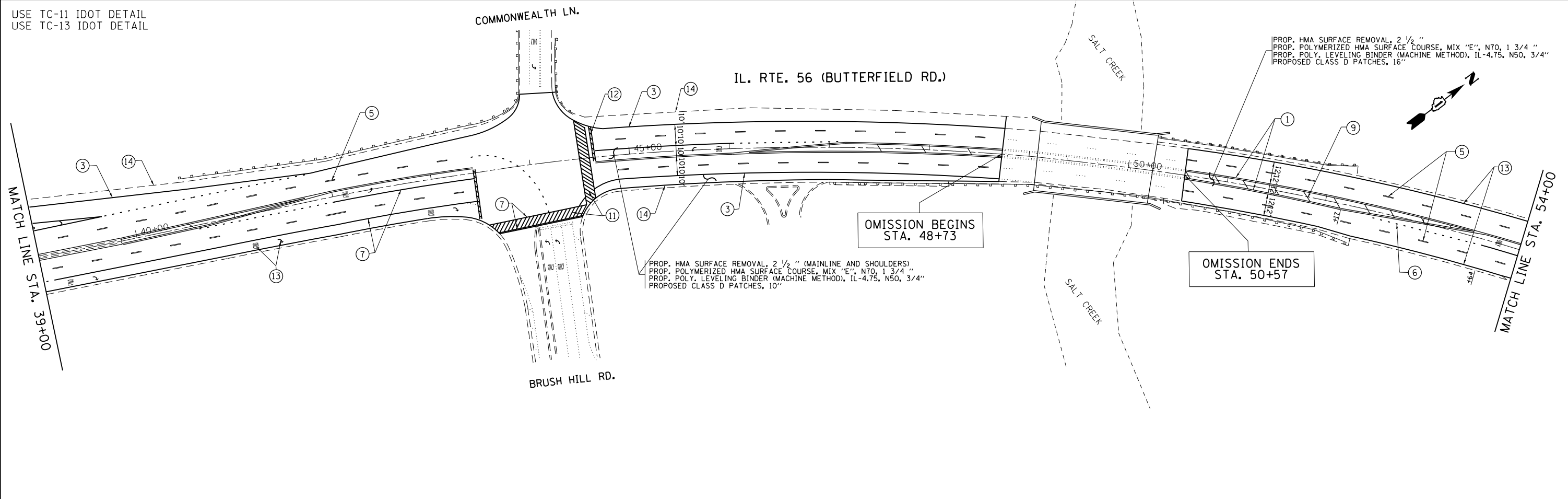


LEGEND

- ① THPL PAVT MK LINE 4", DOUBLE SOLID YELLOW CENTERLINE
- ② THPL PAVT MK LINE 4", SINGLE SOLID YELLOW LINE
- ③ THPL PAVT MK LINE 4", SOLID WHITE, EDGE LINE
- ④ THPL PAVT MK LINE 4", SKIP DASH YELLOW LINE, 10' DASH - 30' SKIP
- ⑤ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP
- ⑥ THPL PAVT MK LINE 6", SKIP DASH WHITE LANE LINE, 2' DASH - 6' SKIP
- ⑦ THPL PAVT MK LINE 6", SOLID WHITE LINE
- ⑧ THPL PAVT MK LINE 8", SOLID WHITE LINE
- ⑨ THPL PAVT MK LINE 12", SOLID YELLOW DIAGONAL, 45°
- ⑩ THPL PAVT MK LINE 12", SOLID WHITE LINE
- ⑪ THPL PAVT MK LINE 12", SOLID WHITE DIAGONAL, 45°
- ⑫ THPL PAVT MK LINE 24", SOLID WHITE STOP BAR
- ⑬ THPL PAVT MK, LETTERS AND SYMBOLS
- ⑭ LIMT OF RESURFACING

FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		DATE -	REVISED -		SCALE: 1" = 50'	SHEET	OF SHEETS	STA.	TO STA.	CONTRACT NO. 62D15		
Default					ILLINOIS FED. AID PROJECT							

USE TC-11 IDOT DETAIL
 USE TC-13 IDOT DETAIL



PROP. HMA SURFACE REMOVAL, 2 1/2"
 PROP. POLYMERIZED HMA SURFACE COURSE, MIX "E", N70, 1 3/4"
 PROP. POLY. LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 PROPOSED CLASS D PATCHES, 16"

LEGEND

- ① THPL PAVT MK LINE 4", DOUBLE SOLID YELLOW CENTERLINE
- ② THPL PAVT MK LINE 4", SINGLE SOLID YELLOW LINE
- ③ THPL PAVT MK LINE 4", SOLID WHITE, EDGE LINE
- ④ THPL PAVT MK LINE 4", SKIP DASH YELLOW LINE, 10' DASH - 30' SKIP
- ⑤ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP
- ⑥ THPL PAVT MK LINE 6", SKIP DASH WHITE LANE LINE, 2' DASH - 6' SKIP
- ⑦ THPL PAVT MK LINE 6", SOLID WHITE LINE
- ⑧ THPL PAVT MK LINE 8", SOLID WHITE LINE
- ⑨ THPL PAVT MK LINE 12", SOLID YELLOW DIAGONAL, 45°
- ⑩ THPL PAVT MK LINE 12", SOLID WHITE LINE
- ⑪ THPL PAVT MK LINE 12", SOLID WHITE DIAGONAL, 45°
- ⑫ THPL PAVT MK LINE 24", SOLID WHITE STOP BAR
- ⑬ THPL PAVT MK, LETTERS AND SYMBOLS
- ⑭ LIMIT OF RESURFACING

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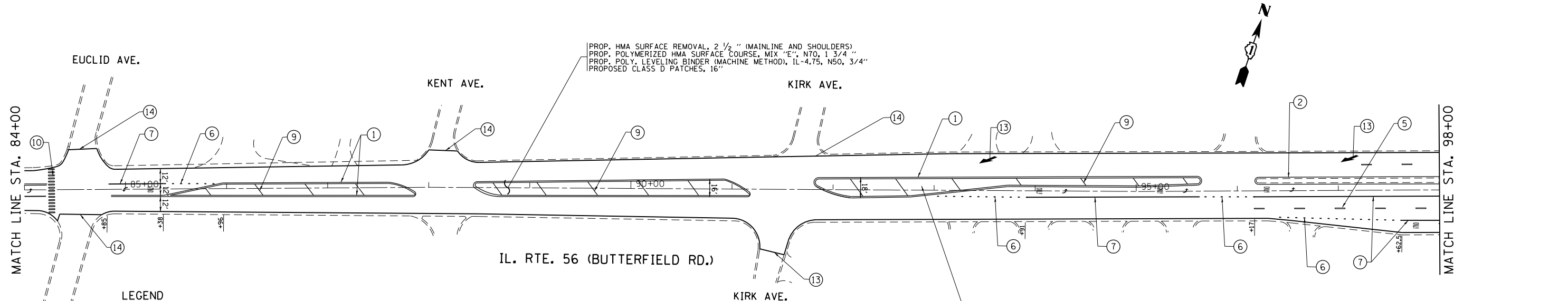
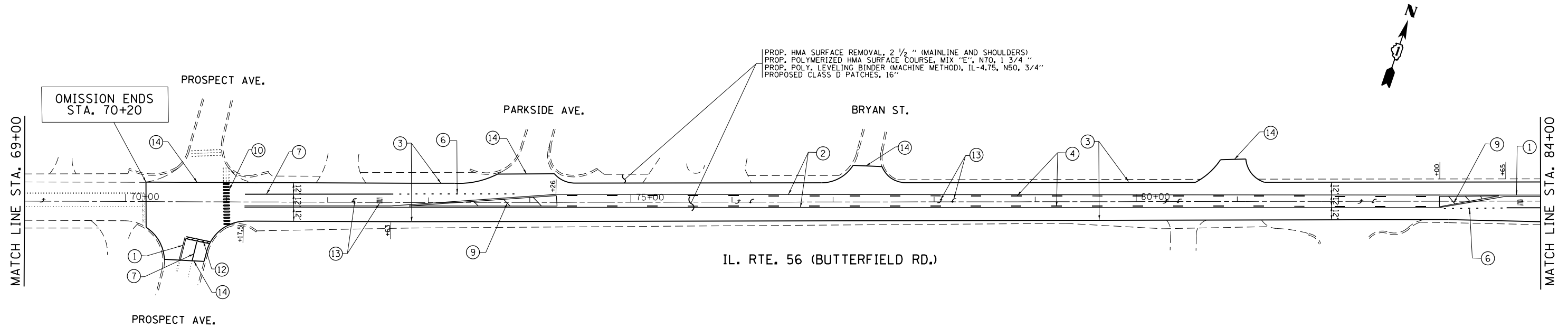
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 IL RTE. 56 (BUTTERFIELD RD.) (COMMONWEALTH LN. TO CALDWELL AVE.)**

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	(543-R&S6)RS-6	COOK/DUPAGE	45	10
CONTRACT NO. 62D15				
ILLINOIS FED. AID PROJECT				

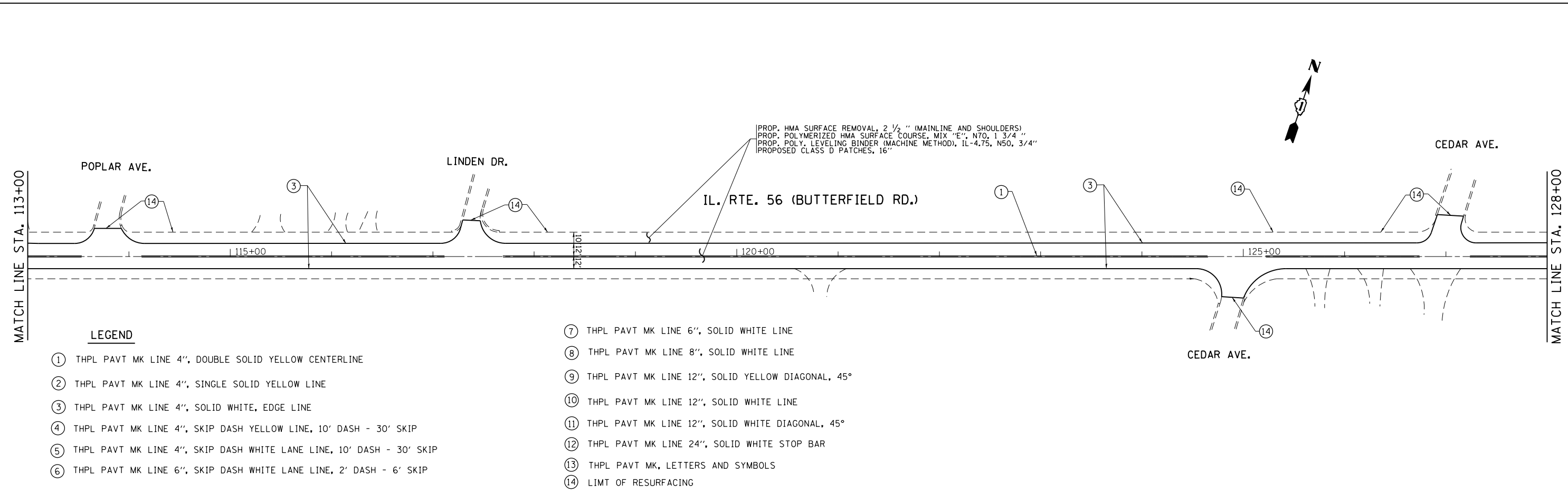
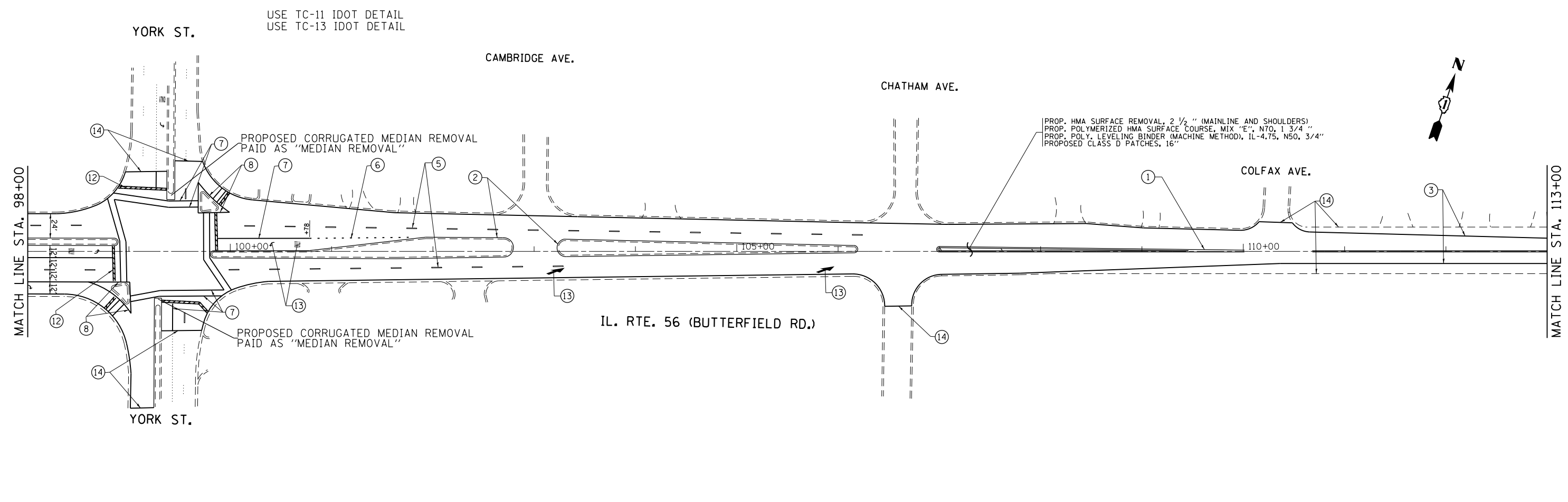
USE TC-11 IDOT DETAIL
 USE TC-13 IDOT DETAIL



- LEGEND**
- ① THPL PAVT MK LINE 4", DOUBLE SOLID YELLOW CENTERLINE
 - ② THPL PAVT MK LINE 4", SINGLE SOLID YELLOW LINE
 - ③ THPL PAVT MK LINE 4", SOLID WHITE, EDGE LINE
 - ④ THPL PAVT MK LINE 4", SKIP DASH YELLOW LINE, 10' DASH - 30' SKIP
 - ⑤ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP
 - ⑥ THPL PAVT MK LINE 6", SKIP DASH WHITE LANE LINE, 2' DASH - 6' SKIP
 - ⑦ THPL PAVT MK LINE 6", SOLID WHITE LINE
 - ⑧ THPL PAVT MK LINE 8", SOLID WHITE LINE
 - ⑨ THPL PAVT MK LINE 12", SOLID YELLOW DIAGONAL, 45°
 - ⑩ THPL PAVT MK LINE 12", SOLID WHITE LINE
 - ⑪ THPL PAVT MK LINE 12", SOLID WHITE DIAGONAL, 45°
 - ⑫ THPL PAVT MK LINE 24", SOLID WHITE STOP BAR
 - ⑬ THPL PAVT MK, LETTERS AND SYMBOLS
 - ⑭ LIMT OF RESURFACING

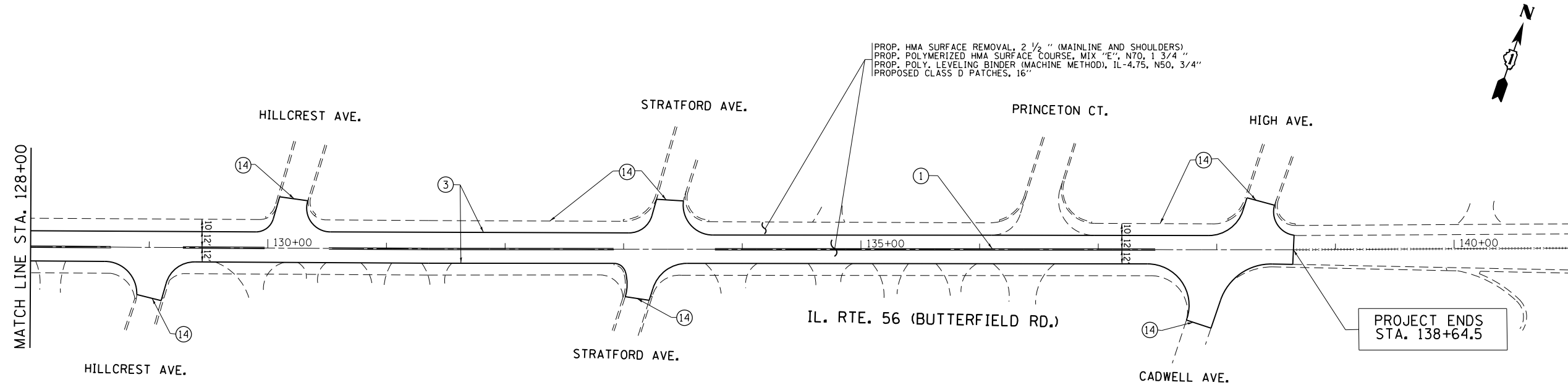
FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN			F.A.U. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\\IL084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\0142816\Design\0142816-sht-plan.dgn		CHECKED -	REVISED -		IL RTE. 56 (BUTTERFIELD RD.) (COMMONWEALTH LN. TO CALDWELL AVE.)			3545	(543-R&S6)RS-6	DUPAGE	45	11
PLOT SCALE = 100.2287' / in.		DATE -	REVISED -		SCALE: 1" = 50'	SHEET	OF SHEETS	STA.	TO STA.	CONTRACT NO. 62D15		
Default					ILLINOIS FED. AID PROJECT							

USE TC-11 IDOT DETAIL
USE TC-13 IDOT DETAIL



FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 62D15	
	PLOT DATE = 4/5/2017				ILLINOIS FED. AID PROJECT								

USE TC-11 IDOT DETAIL
 USE TC-13 IDOT DETAIL



LEGEND

- ① THPL PAVT MK LINE 4", DOUBLE SOLID YELLOW CENTERLINE
- ② THPL PAVT MK LINE 4", SINGLE SOLID YELLOW LINE
- ③ THPL PAVT MK LINE 4", SOLID WHITE, EDGE LINE
- ④ THPL PAVT MK LINE 4", SKIP DASH YELLOW LINE, 10' DASH - 30' SKIP
- ⑤ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP
- ⑥ THPL PAVT MK LINE 6", SKIP DASH WHITE LANE LINE, 2' DASH - 6' SKIP
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- ⑩ THPL PAVT MK LINE 12", SOLID WHITE LINE
- ⑪ THPL PAVT MK LINE 12", SOLID WHITE DIAGONAL, 45°
- ⑫ THPL PAVT MK LINE 24", SOLID WHITE STOP BAR
- ⑬ THPL PAVT MK, LETTERS AND SYMBOLS
- ⑭ LIMT OF RESURFACING

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

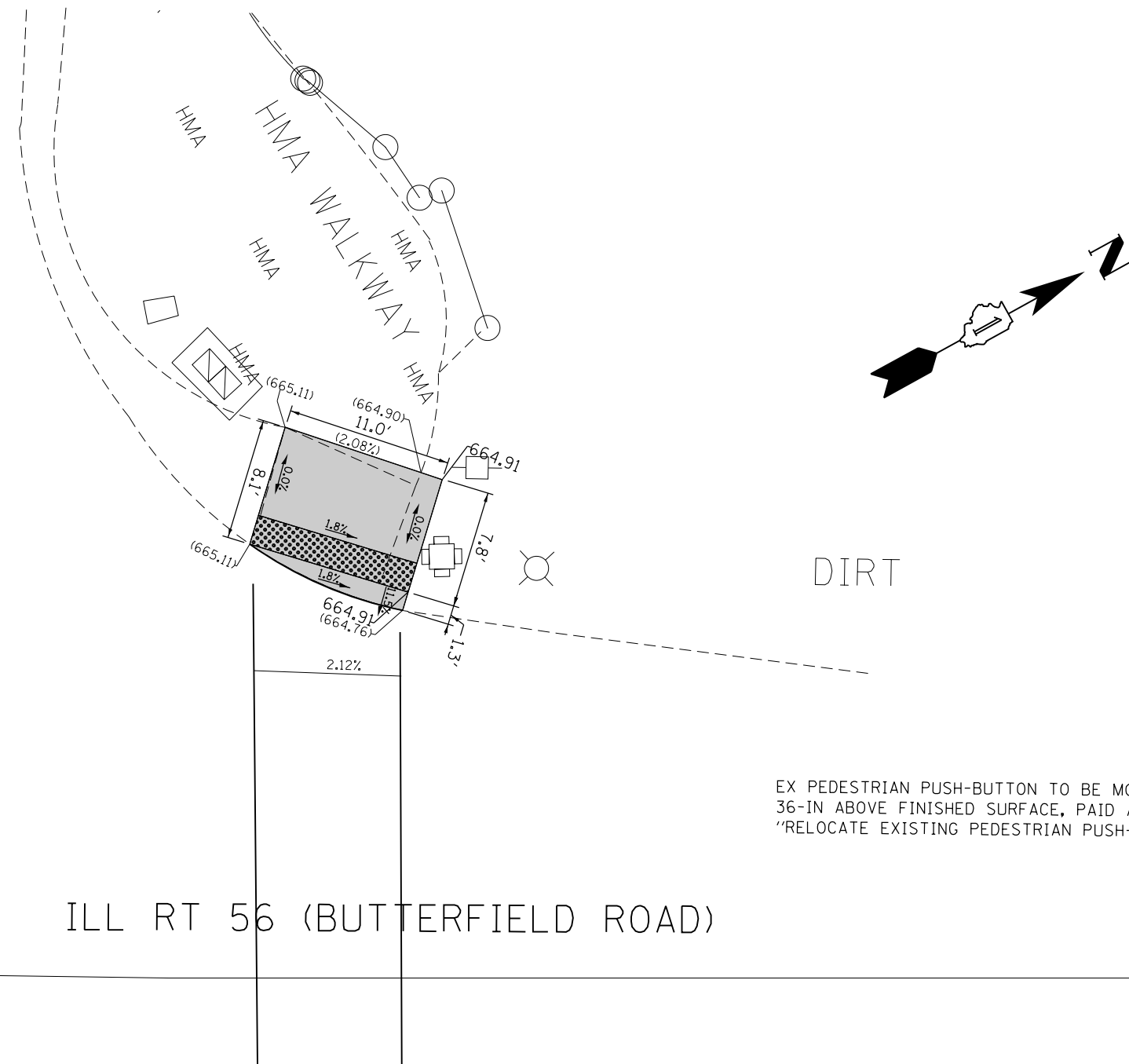
ROADWAY PLAN
IL RTE. 56 (BUTTERFIELD RD.) (COMMONWEALTH LN. TO CALDWELL AVE.)
 SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	(543-R&56)RS-6	DUPAGE	45	13
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62D15	

IL RTE 56 INTERSECTION

	EARTH EXCAVATION	TOPSOIL FURNISH AND PLACE, 6"	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	SODDING, SALT TOLERANT	SUPPLEMENTAL WATERING	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	DETECTABLE WARNINGS	SIDEWALK REMOVAL	FRAMES AND GRATES TO BE ADJUSTED BE ADJUSTED	FRAMES AND LIDS TO BE ADJUSTED BE ADJUSTED	MEDIAN REMOVAL	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
	CU YD	SQ YD	POUND	POUND	POUND	SQ YD	UNIT	SQ FT	SQ FT	SQ FT	EACH	EACH	SQ FT	FOOT
	20200100	2.1E+07	2.5E+07	2.5E+07	25000600	2.5E+07	25200200	4.2E+07	4.2E+07	4.4E+07	6E+07	X6030310	4.4E+07	Z0004562
COMMONWEALTH LANE	1.3	1.5	0.03	0	0.03	1.5	0.015	100	22	100	0	0	0	0
SPRING ROAD	4.6	22.5	0.41	0	0.41	22.5	0.225	398	60	374	0	1	0	53
PROSPECT AVE	0.5	65	0.05	0	0.05	65	0.65	43	10	35	0	0	0	11.5
EUCLID AVE	6.5	33.5	0.62	0	0.62	33.5	0.335	590	40	530	2	2	0	30
KIRK AVE	0.6	3	0.05	0	0.05	3	0.03	54	10	45	0	0	0	10
YORK STREET	11	36	0.66	0	0.66	36	0.36	760	122	724	0	0	163	120
CHATHAM AVE	7.4	38	0.7	0	0.7	38	0.38	640	80	600	0	0	0	87
HIGH STREET	3.8	18	0.33	0	0.33	18	0.18	330	30	302	0	0	0	0
TOTAL:	35.7	217.5	2.85	0	2.85	217.5	2.175	2915	374	2710	2	3	163	311.5

COMMONWEALTH LANE



EX PEDESTRIAN PUSH-BUTTON TO BE MOUNTED
36-IN ABOVE FINISHED SURFACE, PAID AS
"RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON"

ILL RT 56 (BUTTERFIELD ROAD)

LEGEND

xx.xx'

EXISTING LENGTH

====

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 665.05

BENCHMARK : SQUARE ON NORTHWEST CORNER OF TRAFFIC CONTROLLER BOX

LOCATION : SOUTHEAST CORNER OF IL 56 & COMMONWEALTH LANE

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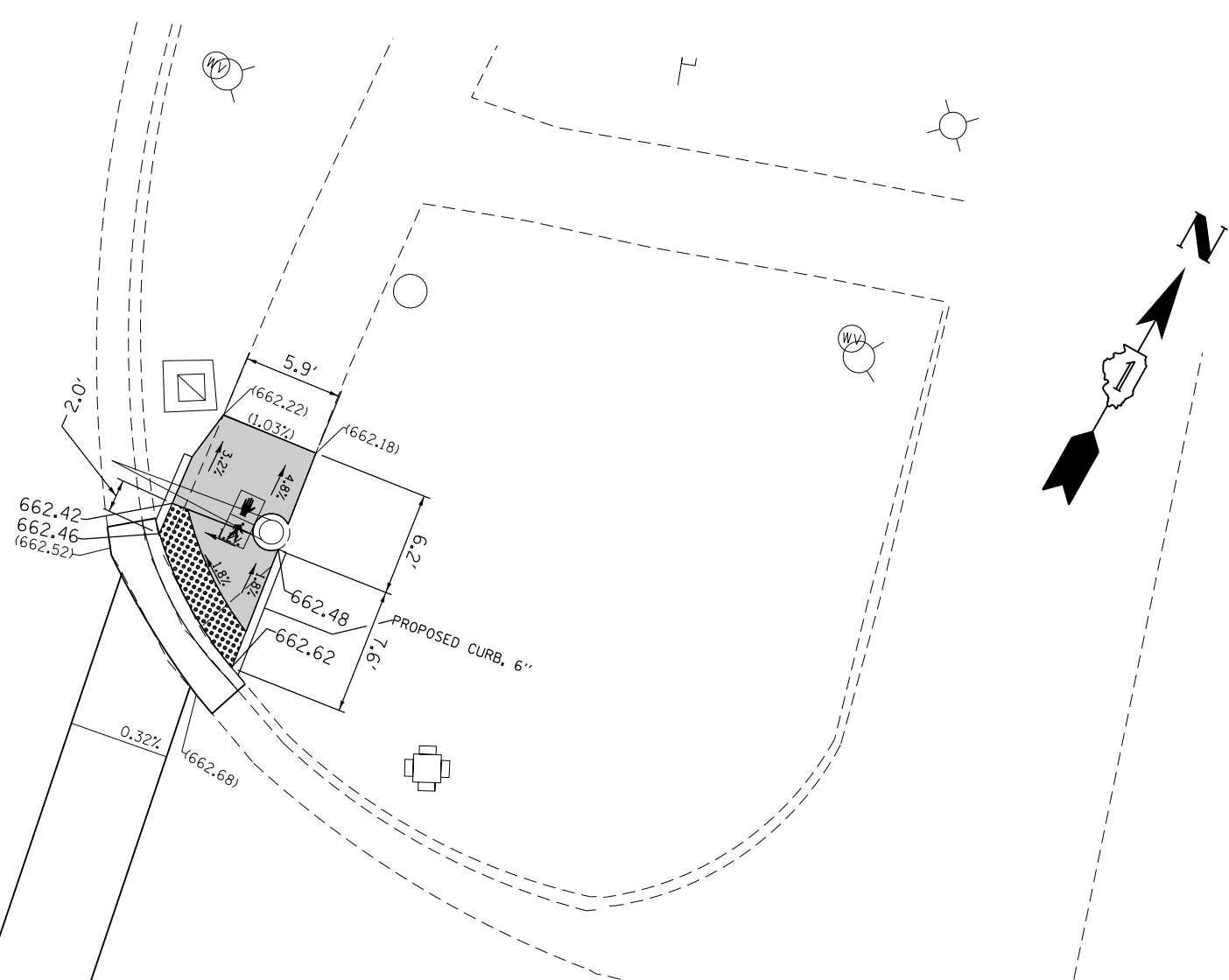
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP DETAIL
NORTHEAST CORNER**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	(543-R&561)RS-6	DUPAGE	45	15
CONTRACT NO. 62D15				
ILLINOIS FED. AID PROJECT				

SPRING ROAD



EX PEDESTRIAN PUSH-BUTTON TO BE MOUNTED
36-IN ABOVE FINISHED SURFACE, PAID AS
"RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON"

ILL RT 56 (BUTTERFIELD ROAD)

REFERENCE BENCHMARK ELEV 666.12
BENCHMARK : TOP OF FIRE HYDRANT
LOCATION : NORTHWEST CORNER OF IL 56 & SPRING ROAD

LEGEND

- xx.xx' EXISTING LENGTH
- ===== PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- ▣ DETECTABLE WARNINGS
- ▤ SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 666.12
BENCHMARK : TOP OF FIRE HYDRANT
LOCATION : NORTHWEST CORNER OF IL 56 & SPRING ROAD

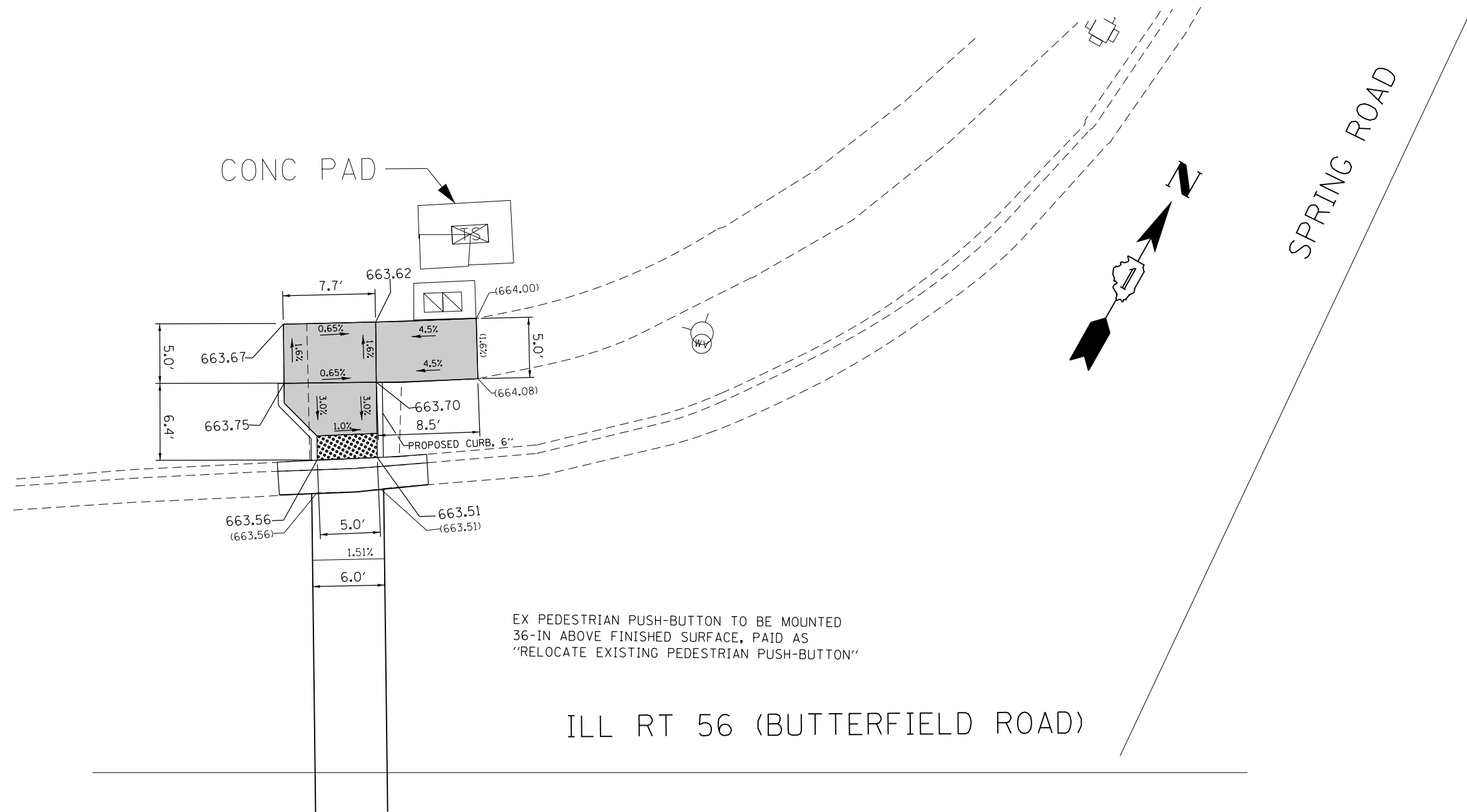
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	PLOT DATE = 4/5/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP DETAIL
NORTHEAST CORNER**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	(543-R&56)RS-6	DUPAGE	45	16
CONTRACT NO. 62D15			ILLINOIS FED. AID PROJECT	



EX PEDESTRIAN PUSH-BUTTON TO BE MOUNTED
 36-IN ABOVE FINISHED SURFACE, PAID AS
 "RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON"

ILL RT 56 (BUTTERFIELD ROAD)

REFERENCE BENCHMARK ELEV 666.12
 BENCHMARK : TOP OF FIRE HYDRANT
 LOCATION : NORTHWEST CORNER OF IL 56 & SPRING ROAD

LEGEND

xx.xx'

EXISTING LENGTH

==

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
 REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 666.12
 BENCHMARK : TOP OF FIRE HYDRANT
 LOCATION : NORTHWEST CORNER OF IL 56 & SPRING ROAD

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP DETAIL
 NORTHWEST CORNER**

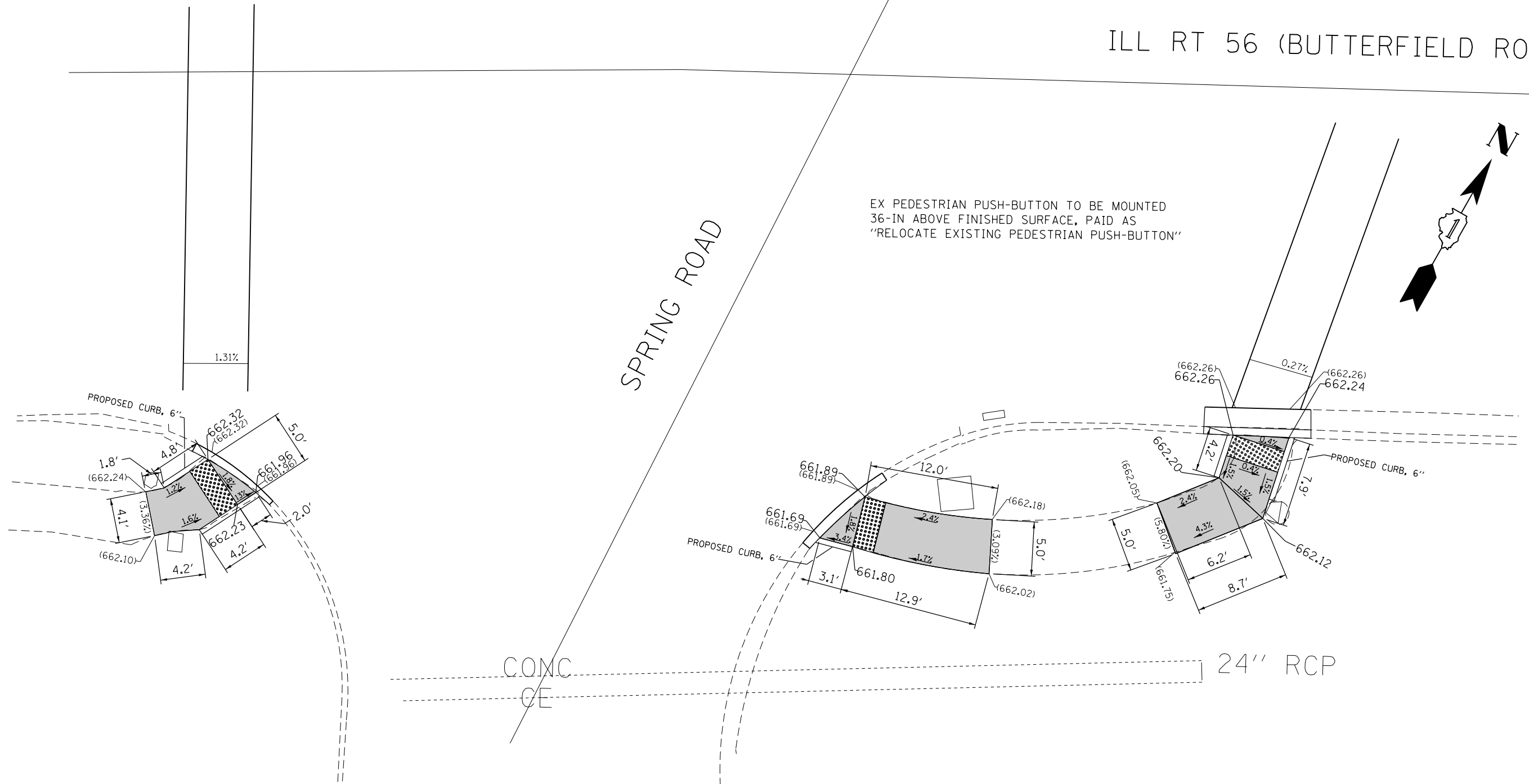
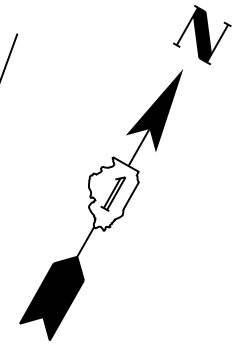
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	(543-R&56)RS-6	DUPAGE	45	17
CONTRACT NO. 62D15			ILLINOIS FED. AID PROJECT	

ILL RT 56 (BUTTERFIELD ROAD)

SPRING ROAD

EX PEDESTRIAN PUSH-BUTTON TO BE MOUNTED
36-IN ABOVE FINISHED SURFACE, PAID AS
"RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON"



REFERENCE BENCHMARK ELEV 666.12
BENCHMARK : TOP OF FIRE HYDRANT
LOCATION : NORTHWEST CORNER OF IL 56 & SPRING ROAD

LEGEND

xx.xx'

EXISTING LENGTH

==

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 666.12
BENCHMARK : TOP OF FIRE HYDRANT
LOCATION : NORTHWEST CORNER OF IL 56 & SPRING ROAD

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP DETAIL
SOUTHEAST & SOUTHWEST CORNERS**

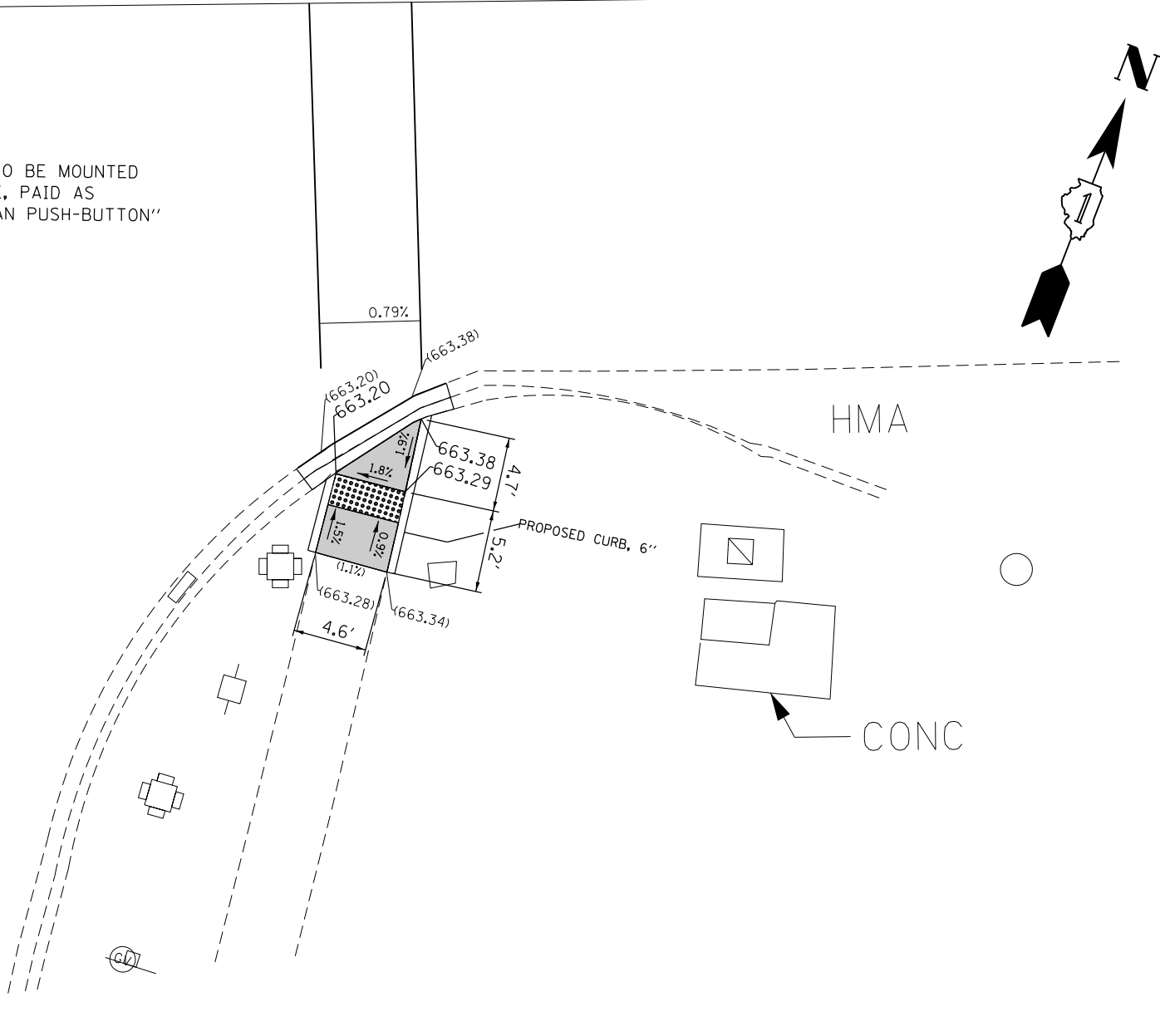
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	(543-R&56)RS-6	DUPAGE	45	18
CONTRACT NO. 62D15				
ILLINOIS FED. AID PROJECT				

ILL RT 56 (BUTTERFIELD ROAD)

EX PEDESTRIAN PUSH-BUTTON TO BE MOUNTED
36-IN ABOVE FINISHED SURFACE, PAID AS
"RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON"

PROSPECT AVENUE



REFERENCE BENCHMARK ELEV 663.63
BENCHMARK : SQUARE ON NORTHWEST CORNER OF TRAFFIC CONTROLLER BOX
LOCATION : SOUTHEAST CORNER OF IL 56 & PROSPECT AVE

LEGEND

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 663.63
BENCHMARK : SQUARE ON NORTHWEST CORNER OF TRAFFIC CONTROLLER BOX
LOCATION : SOUTHEAST CORNER OF IL 56 & PROSPECT AVE

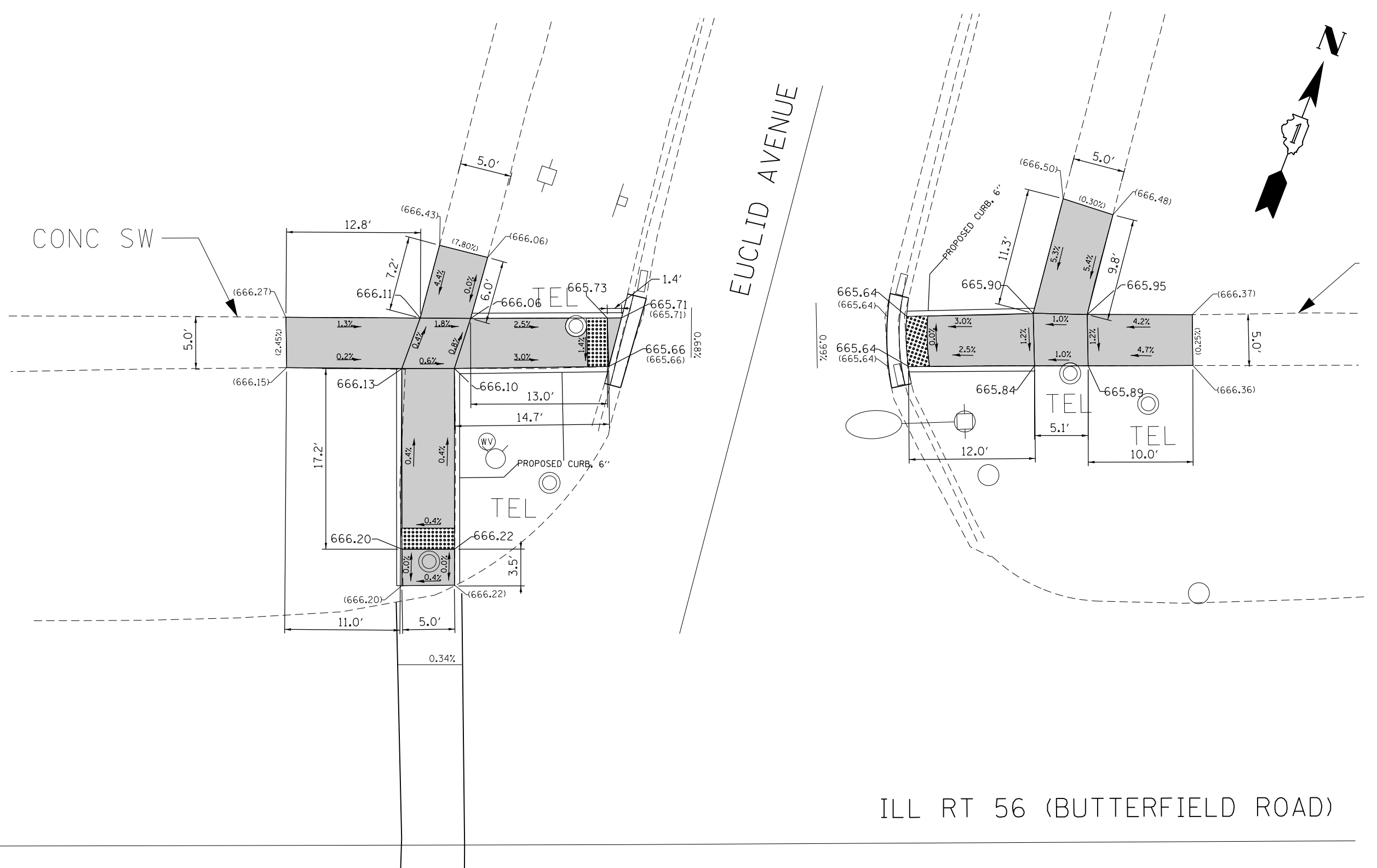
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	PLOT DATE = 4/5/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP DETAIL
SOUTHEAST CORNER**

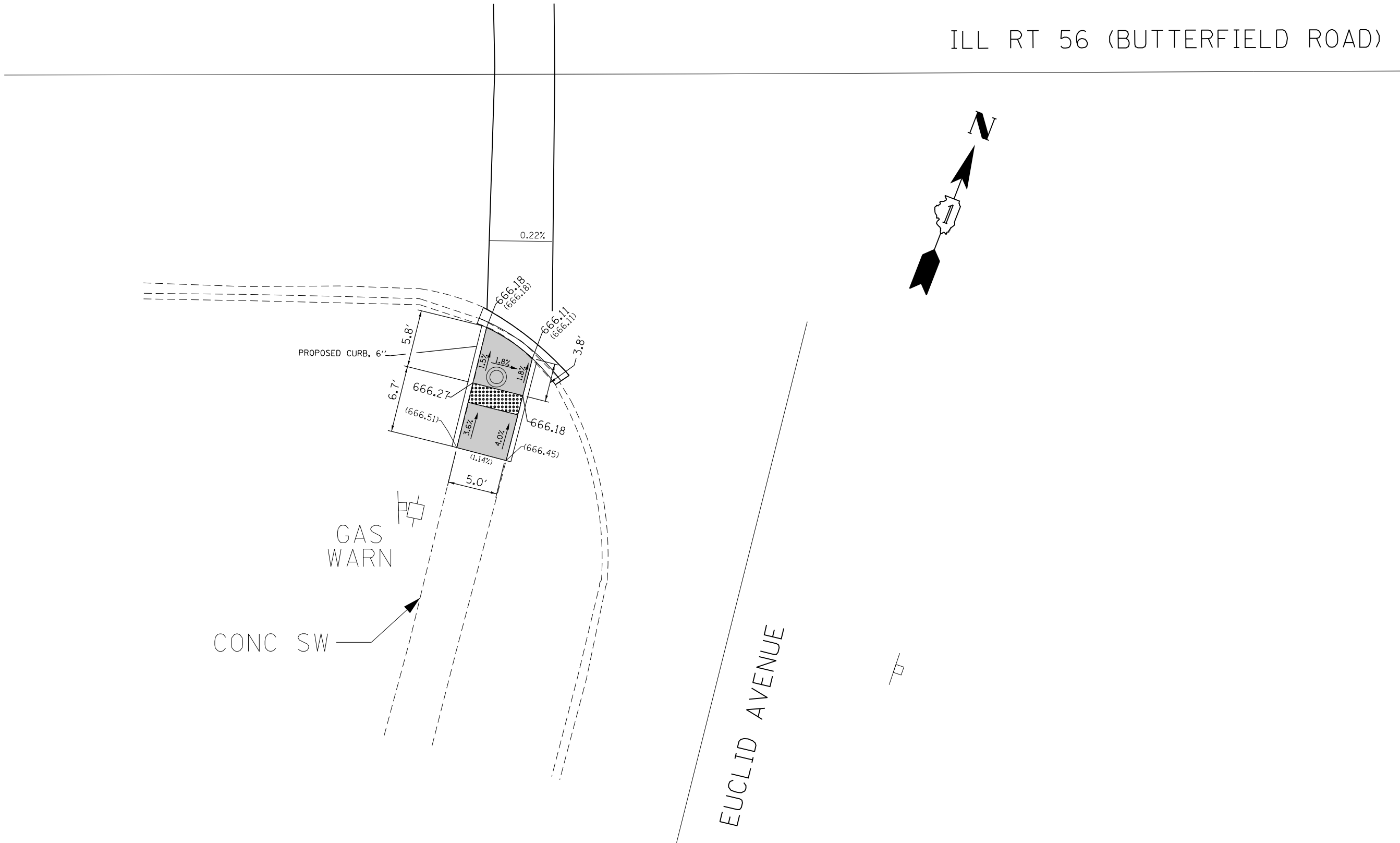
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F.A.U R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	(543-R&56)RS-6	DUPAGE	45	19
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62D15	



ILL RT 56 (BUTTERFIELD ROAD)

<p>REFERENCE BENCHMARK ELEV 668.37</p> <p>BENCHMARK : TOP OF FIRE HYDRANT</p> <p>LOCATION : SOUTHEAST CORNER OF IL 56 & EUCLID AVE</p>	<p>LEGEND</p> <p>xx.xx' EXISTING LENGTH</p> <p>==== PROPOSED SIDE CURB</p> <p>() EXISTING ELEVATION/SLOPE</p>	<p>REFERENCE BENCHMARK ELEV 668.37</p> <p>BENCHMARK : TOP OF FIRE HYDRANT</p> <p>LOCATION : SOUTHEAST CORNER OF IL 56 & EUCLID AVE</p>	
	<p>■ PROPOSED SIDEWALK</p> <p>▣ DETECTABLE WARNINGS</p> <p>▧ SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD</p>		



REFERENCE BENCHMARK ELEV 668.37
 BENCHMARK : TOP OF FIRE HYDRANT
 LOCATION : SOUTHEAST CORNER OF IL 56 & EUCLID AVE

LEGEND

- xx.xx' EXISTING LENGTH
- ===== PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- ▣ DETECTABLE WARNINGS
- ▤ SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 668.37
 BENCHMARK : TOP OF FIRE HYDRANT
 LOCATION : SOUTHEAST CORNER OF IL 56 & EUCLID AVE

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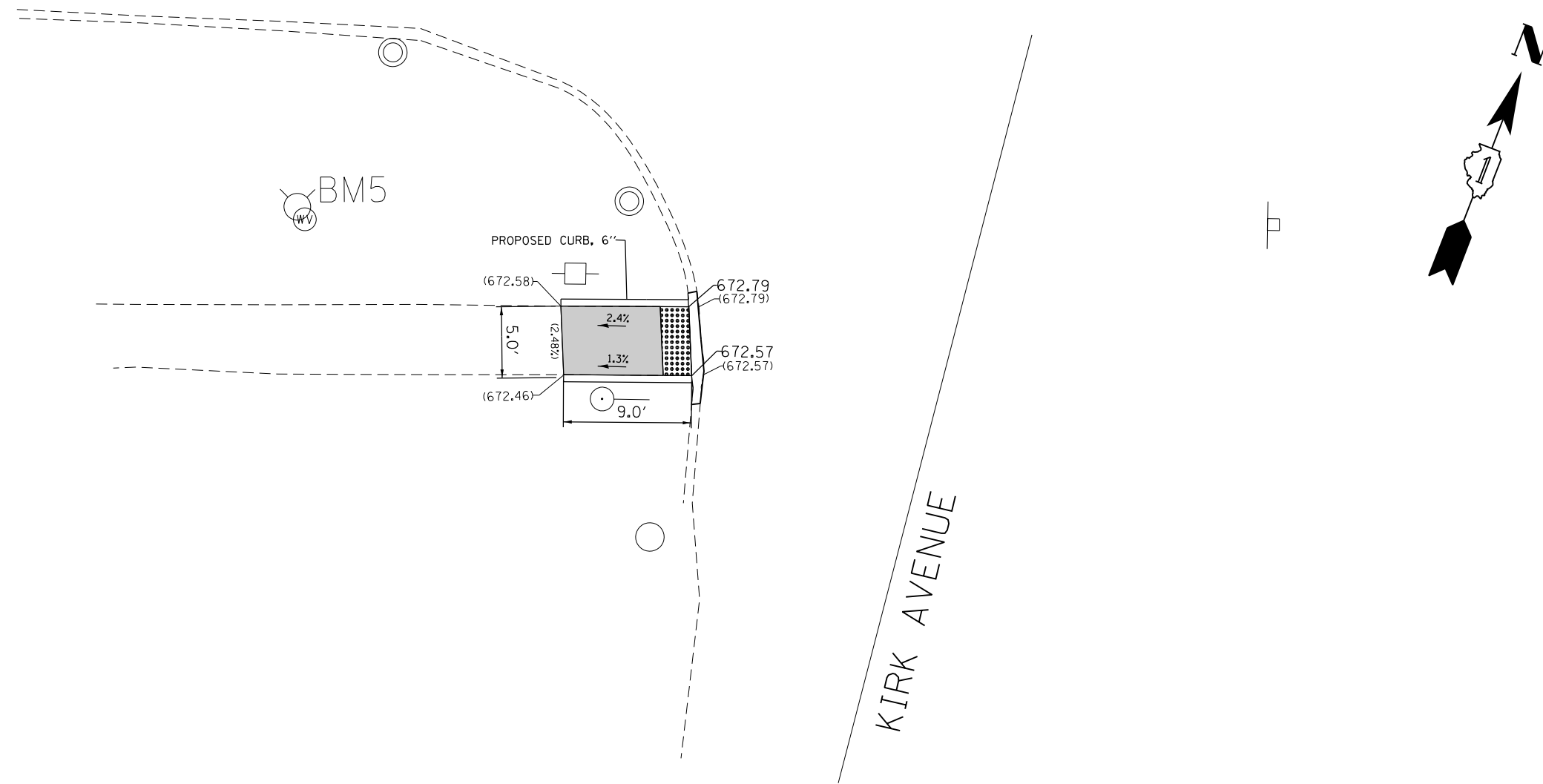
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP DETAIL
 SOUTHWEST CORNER**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	(543-R&56)RS-6	DUPAGE	45	21
				CONTRACT NO. 62D15
ILLINOIS FED. AID PROJECT				

ILL RT 56 (BUTTERFIELD ROAD)



REFERENCE BENCHMARK ELEV 674.98
 BENCHMARK : SOUTHWEST BOLT OF FIRE HYDRANT
 LOCATION : SOUTHWEST CORNER OF IL 56 & KIRK AVE

LEGEND

xx.xx'

EXISTING LENGTH

==

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
 REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 674.98
 BENCHMARK : SOUTHWEST BOLT OF FIRE HYDRANT
 LOCATION : SOUTHWEST CORNER OF IL 56 & KIRK AVE

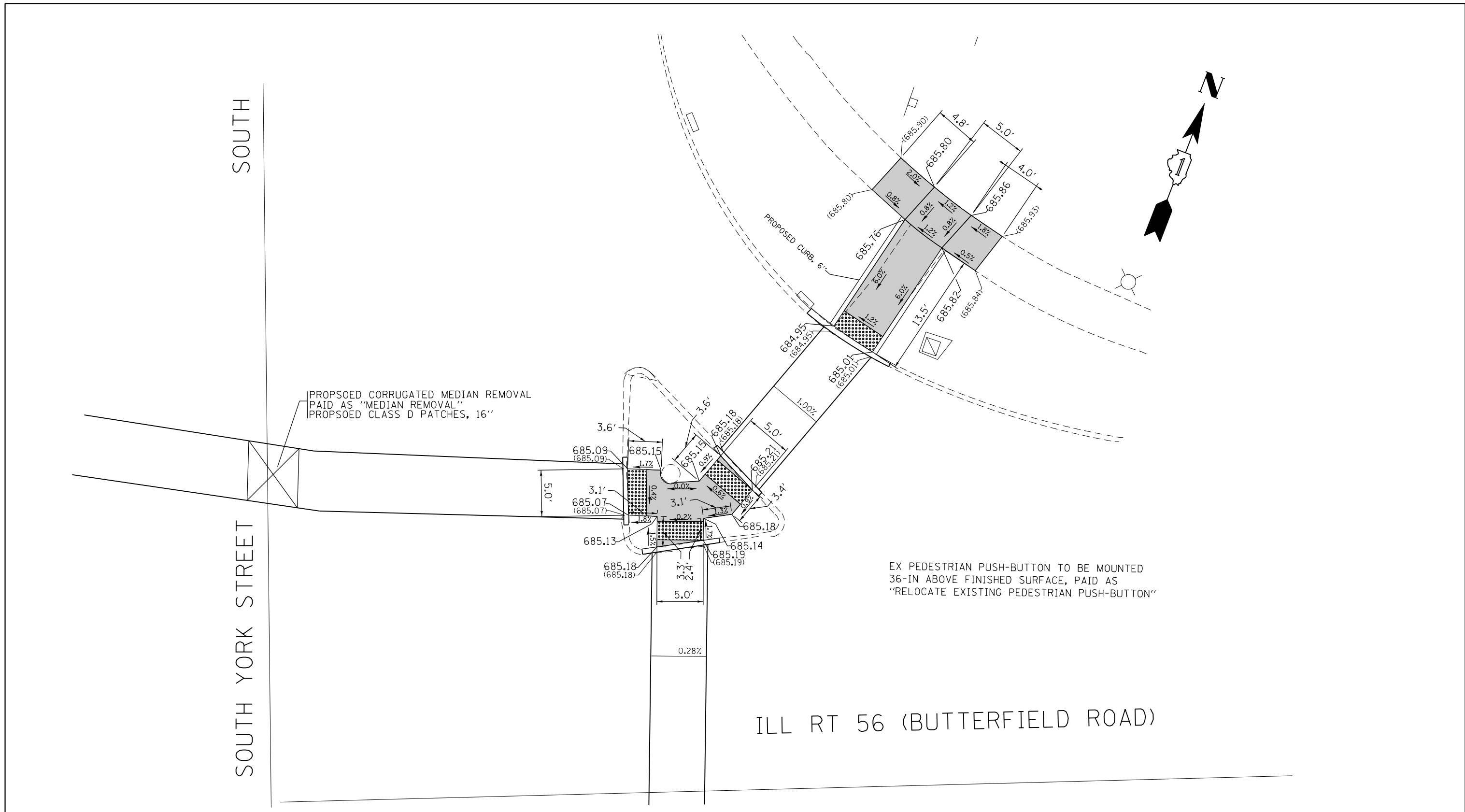
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Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/5/2017	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP DETAIL
 SOUTHWEST CORNER

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	(543-R&56)RS-6	DUPAGE	45	22
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62D15	



REFERENCE BENCHMARK ELEV 685.39
 BENCHMARK : SOUTHEAST CORNER OF TRAFFIC CONTROLLER BOX
 LOCATION : NORTHWEST CORNER OF IL 56 & SOUTH YORK STREET

LEGEND

xx.xx' EXISTING LENGTH	PROPOSED SIDEWALK
PROPOSED SIDE CURB	DETECTABLE WARNINGS
() EXISTING ELEVATION/SLOPE	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 685.39
 BENCHMARK : SOUTHEAST CORNER OF TRAFFIC CONTROLLER BOX
 LOCATION : NORTHWEST CORNER OF IL 56 & SOUTH YORK STREET

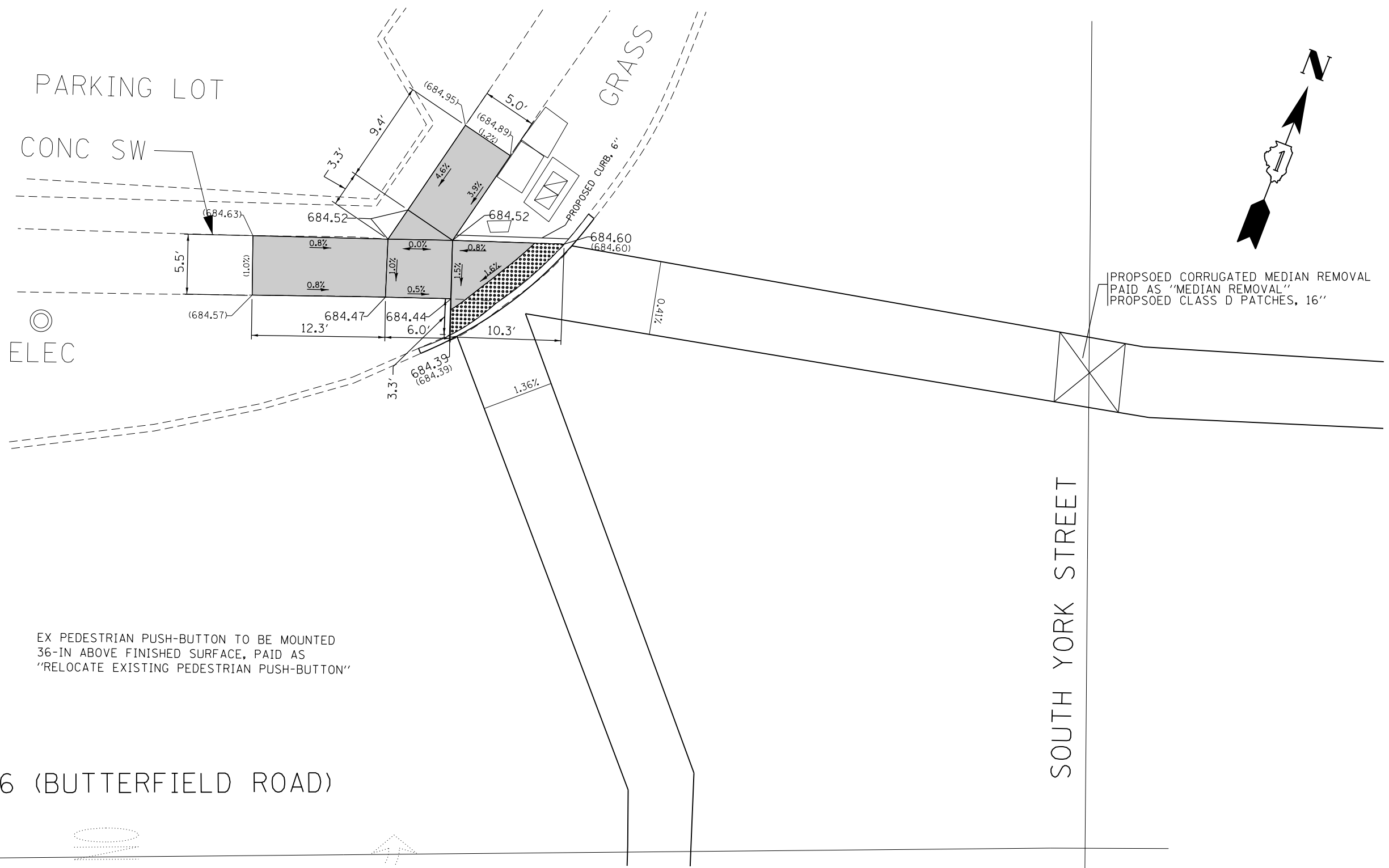
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP DETAIL
 NORTHEAST CORNER**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	(543-R&56)RS-6	DUPAGE	45	23
CONTRACT NO. 62D15				
ILLINOIS FED. AID PROJECT				

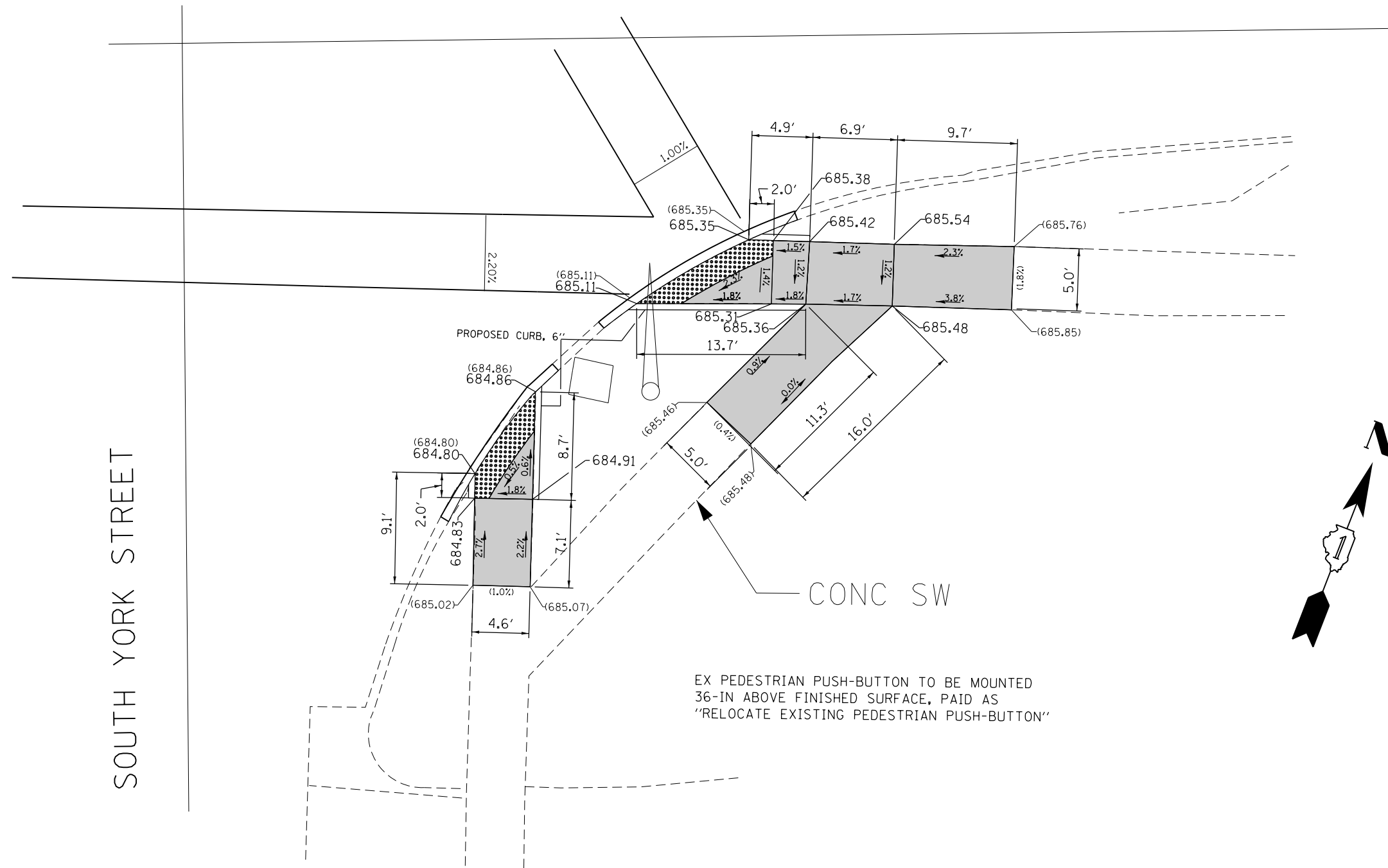


REFERENCE BENCHMARK ELEV 685.39
 BENCHMARK : SOUTHEAST CORNER OF TRAFFIC CONTROLLER BOX
 LOCATION : NORTHWEST CORNER OF IL 56 & SOUTH YORK STREET

LEGEND	
xx.xx'	EXISTING LENGTH
==	PROPOSED SIDE CURB
()	EXISTING ELEVATION/SLOPE
[Solid Gray Box]	PROPOSED SIDEWALK
[Dotted Box]	DETECTABLE WARNINGS
[Cross-hatched Box]	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 685.39
 BENCHMARK : SOUTHEAST CORNER OF TRAFFIC CONTROLLER BOX
 LOCATION : NORTHWEST CORNER OF IL 56 & SOUTH YORK STREET

ILL RT 56 (BUTTERFIELD ROAD)



SOUTH YORK STREET

CONC SW

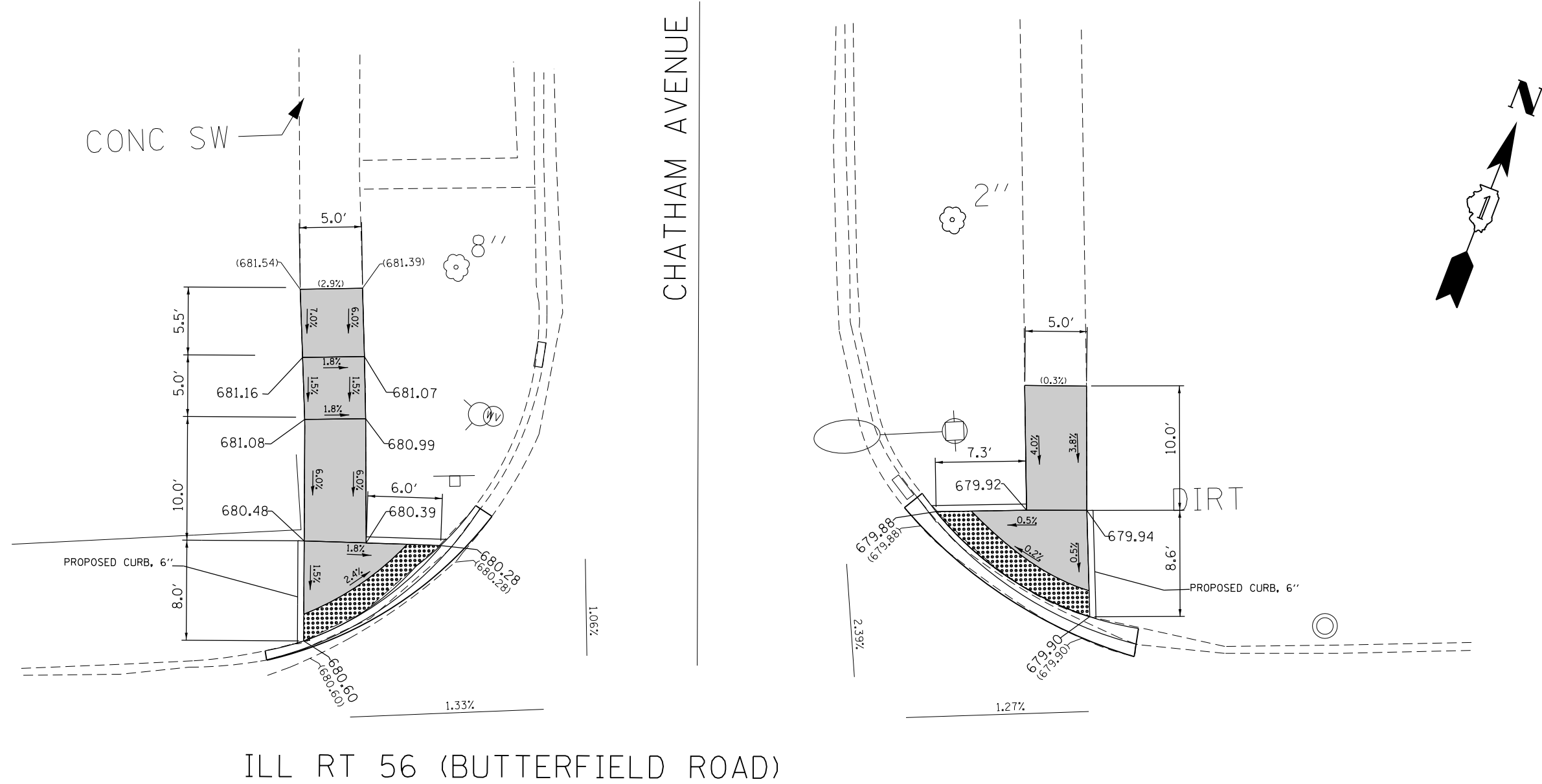
EX PEDESTRIAN PUSH-BUTTON TO BE MOUNTED 36-IN ABOVE FINISHED SURFACE, PAID AS "RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON"

REFERENCE BENCHMARK ELEV 685.39
 BENCHMARK : SOUTHEAST CORNER OF TRAFFIC CONTROLLER BOX
 LOCATION : NORTHWEST CORNER OF IL 56 & SOUTH YORK STREET

LEGEND

xx.xx'	EXISTING LENGTH		PROPOSED SIDEWALK
==	PROPOSED SIDE CURB		DETECTABLE WARNINGS
()	EXISTING ELEVATION/SLOPE		SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 685.39
 BENCHMARK : SOUTHEAST CORNER OF TRAFFIC CONTROLLER BOX
 LOCATION : NORTHWEST CORNER OF IL 56 & SOUTH YORK STREET



ILL RT 56 (BUTTERFIELD ROAD)

REFERENCE BENCHMARK ELEV 681.79
 BENCHMARK : TOP OF FIRE HYDRANT
 LOCATION : NORTHWEST CORNER OF IL 56 & CHATHAM AVE

LEGEND

xx.xx'

EXISTING LENGTH

==

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
 REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 681.79
 BENCHMARK : TOP OF FIRE HYDRANT
 LOCATION : NORTHWEST CORNER OF IL 56 & CHATHAM AVE

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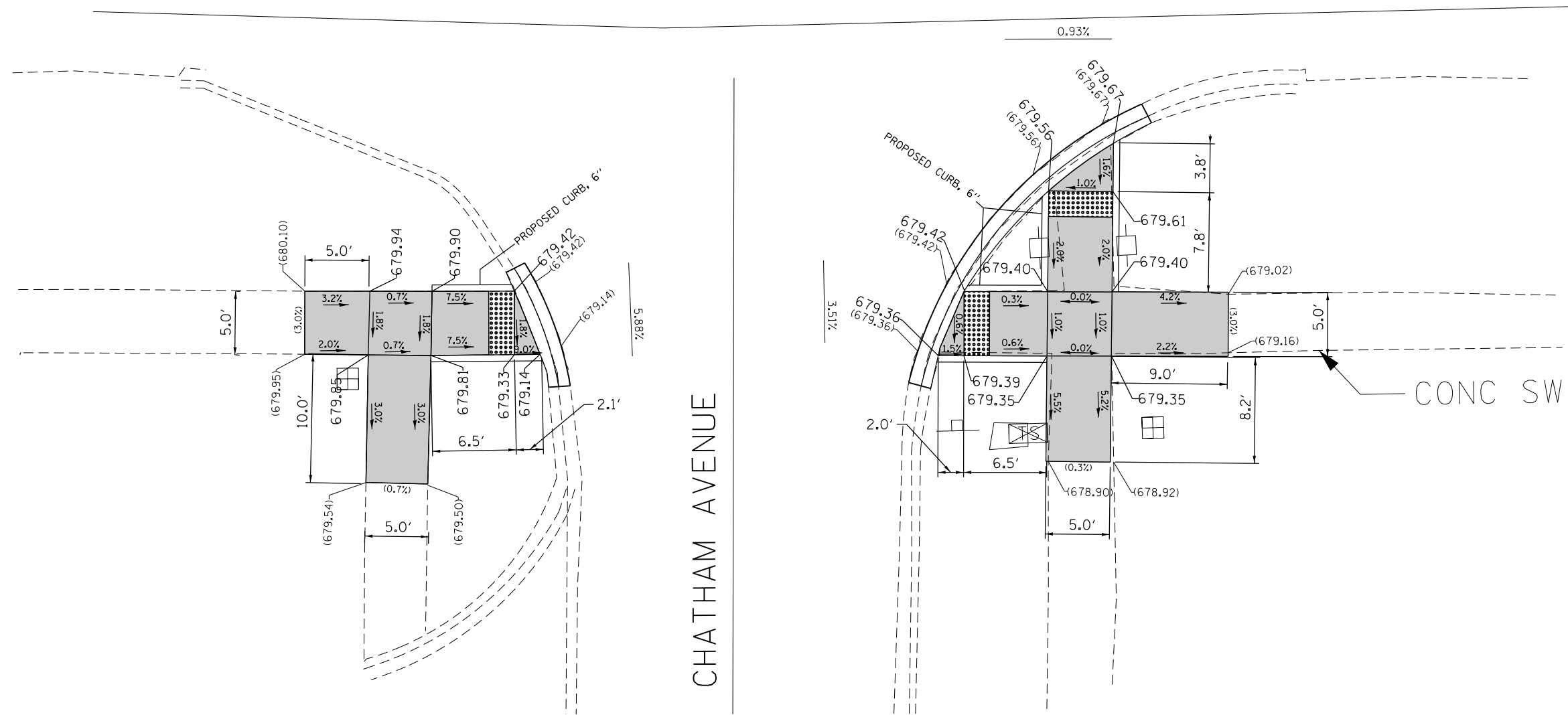
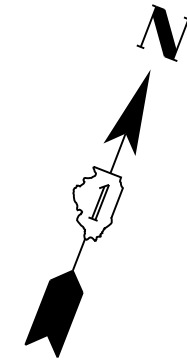
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP DETAIL
 NORTHEAST & NORTHWEST CORNERS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	(543-R&56)RS-6	DUPAGE	45	27
CONTRACT NO. 62D15			ILLINOIS FED. AID PROJECT	

ILL RT 56 (BUTTERFIELD ROAD)



REFERENCE BENCHMARK ELEV 681.79
 BENCHMARK : TOP OF FIRE HYDRANT
 LOCATION : NORTHWEST CORNER OF IL 56 & CHATHAM AVE

LEGEND

xx.xx'

EXISTING LENGTH

==

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
 REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 681.79
 BENCHMARK : TOP OF FIRE HYDRANT
 LOCATION : NORTHWEST CORNER OF IL 56 & CHATHAM AVE

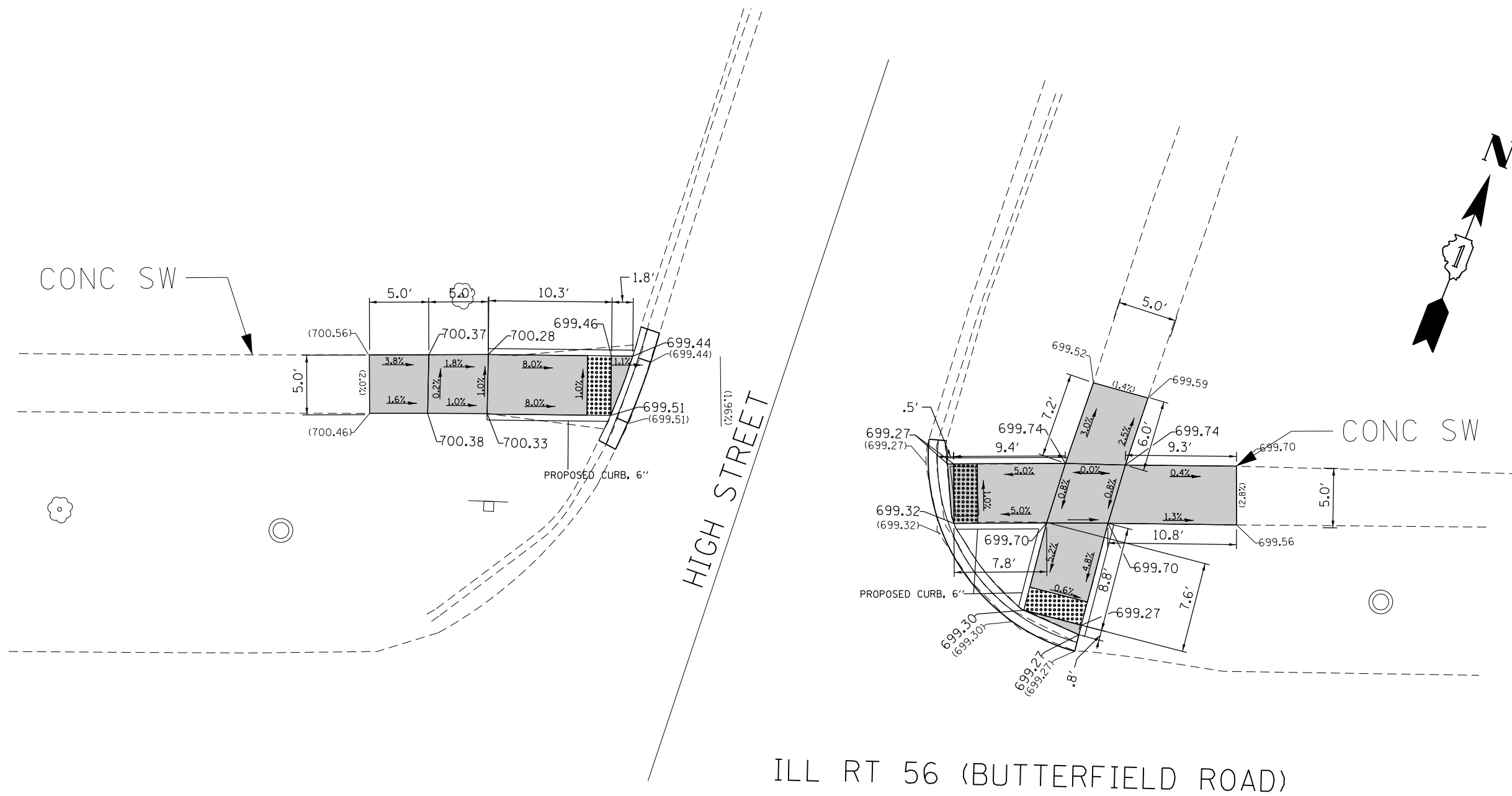
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Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/5/2017	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP DETAIL SOUTHEAST & SOUTHWEST CORNERS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	(543-R&561)RS-6	DUPAGE	45	28
CONTRACT NO. 62D15				
ILLINOIS FED. AID PROJECT				



REFERENCE BENCHMARK ELEV 701.19
 BENCHMARK : SPIKE SET ON LIGHT POLE
 LOCATION : NORTHEAST CORNER OF IL 56 & HIGH STREET

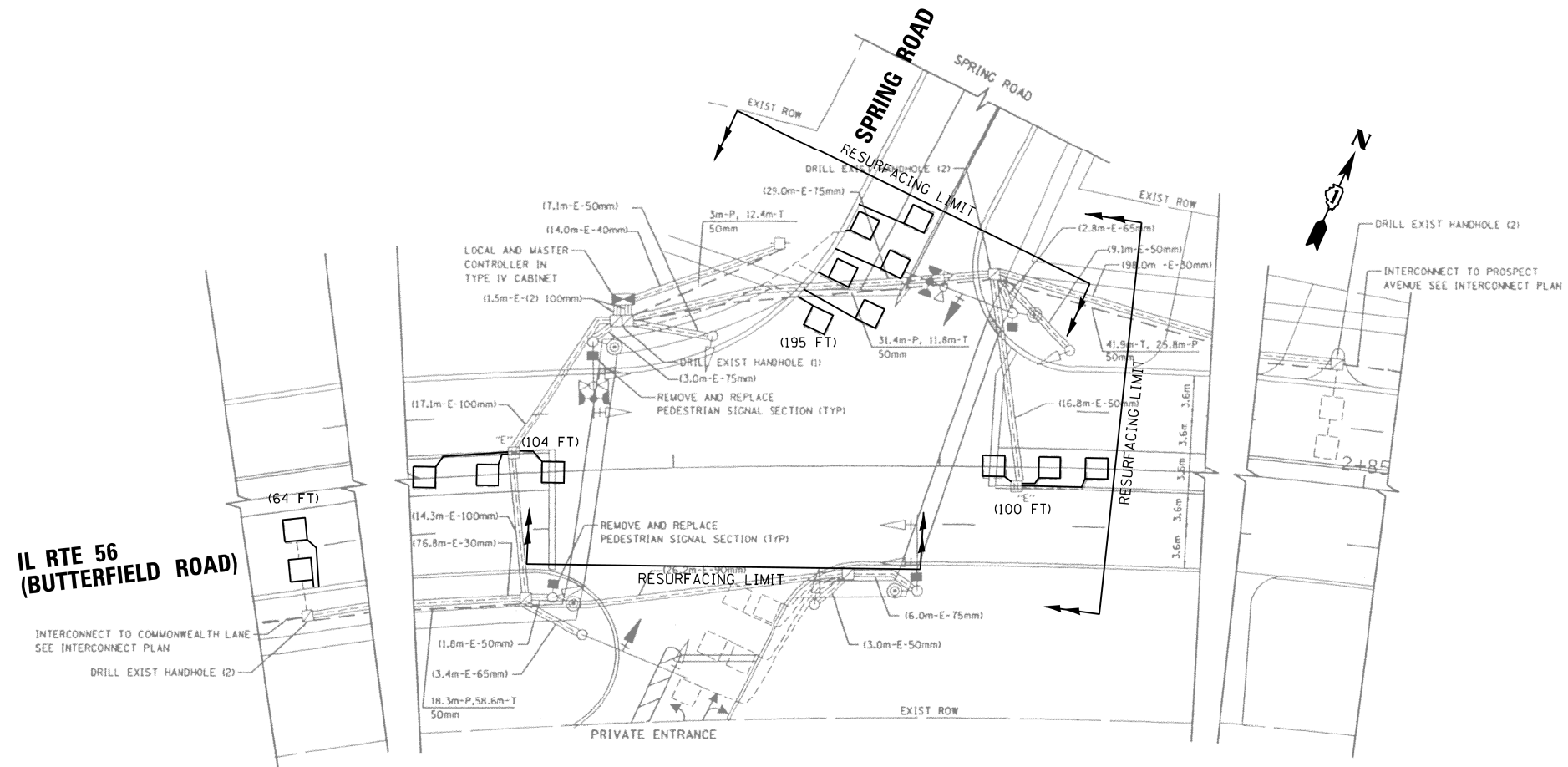
LEGEND

- xx.xx' EXISTING LENGTH
- ===== PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- ▣ DETECTABLE WARNINGS
- ▧ SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 701.19
 BENCHMARK : SPIKE SET ON LIGHT POLE
 LOCATION : NORTHEAST CORNER OF IL 56 & HIGH STREET

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



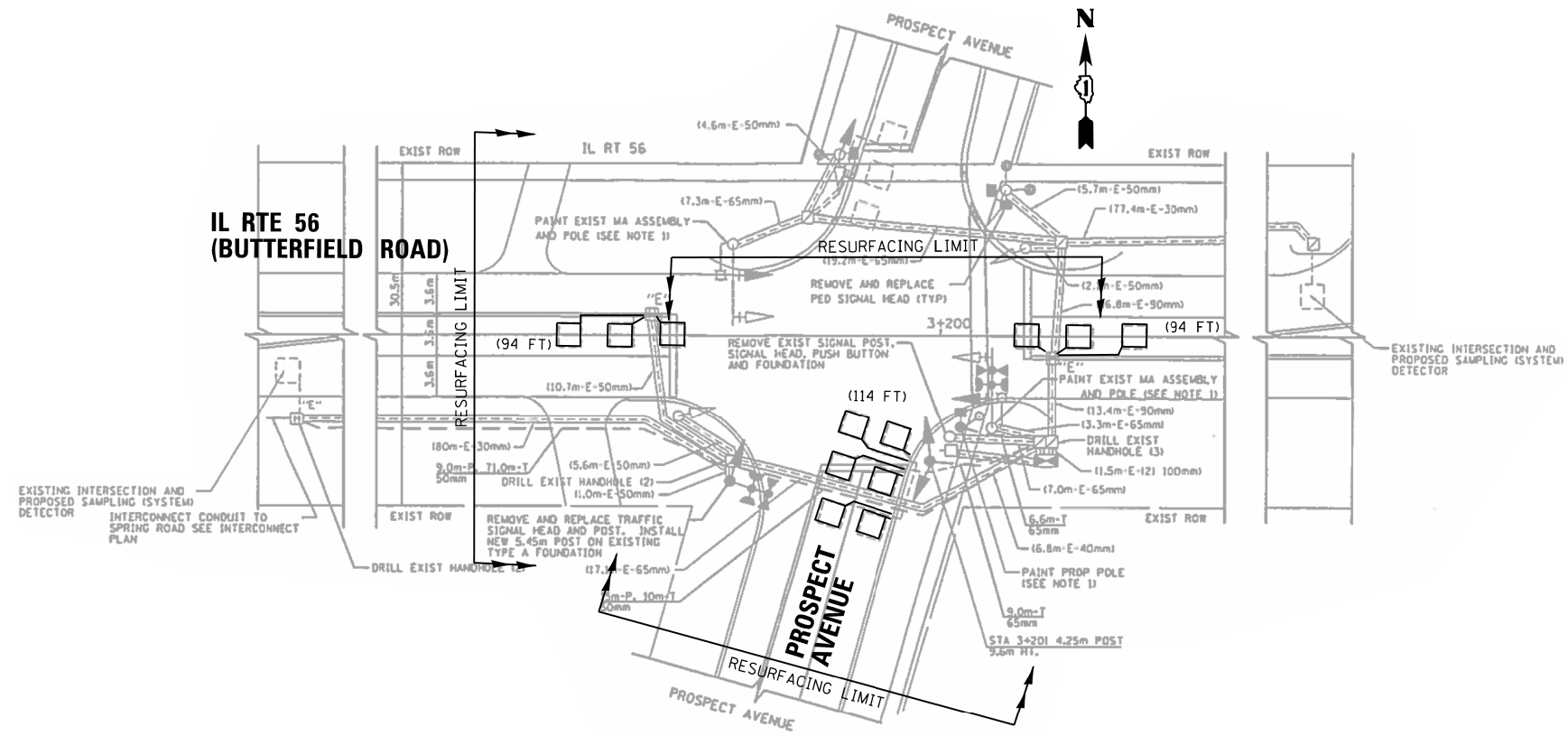
**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	463	FOOT

FILE NAME =	USER NAME = jovanmardizg	DESIGNED - ZCJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN IL RTE 56 (BUTTERFIELD ROAD) AT SPRING ROAD	F.A.U. RTE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
TS 13175 ILL RTE 56 & SPRING ROAD_02212017.dgn		DRAWN - ZCJ	REVISED -			3545	(543-R&S61)RS-6	DUPAGE	45	31	
Default	PLOT SCALE = 40.0000' / 1"	CHECKED - LP	REVISED -			CONTRACT NO. 62D15					
	PLOT DATE = 2/21/2017	DATE - 02/21/2017	REVISED -			ILLINOIS FED. AID PROJECT					
						SCALE:	SHEET	OF	SHEETS	STA. TO STA.	

NOTES:

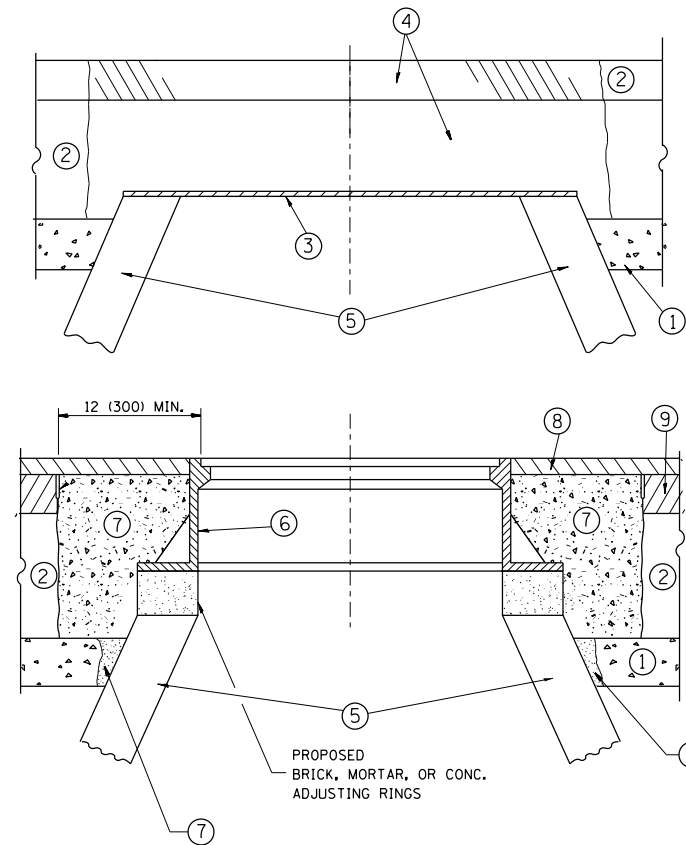
1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	302	FOOT

FILE NAME =	USER NAME = javenmardzgj	DESIGNED - ZGJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN IL RTE 56 (BUTTERFIELD ROAD) AT PROSPECT AVENUE				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TS 13178 IL RTE 56 & PROSPECT AVENUE	2212017.dwg	DRAWN - ZGJ	REVISED -		3545	(543-R&56)RS-6	DUPAGE	45	32				
Default	PLOT SCALE = 40,0000' / 1"	CHECKED - LP	REVISED -		CONTRACT NO. 62D15								
	PLOT DATE = 2/21/2017	DATE - 02/21/2017	REVISED -		ILLINOIS FED. AID PROJECT								
					SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		



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

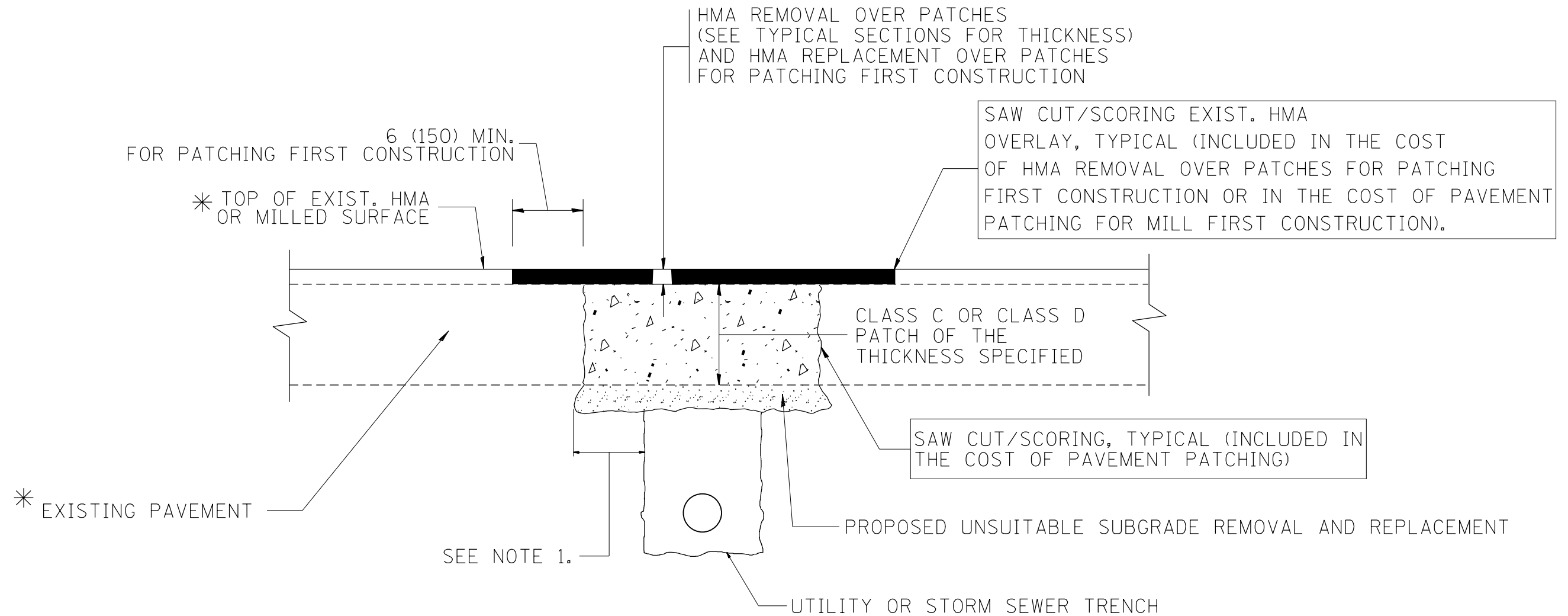
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 4/5/2017	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.U. RTE. 3545	SECTION (543-R&561)RS-6	COUNTY DUPAGE	TOTAL SHEETS 45	SHEET NO. 34
BD600-03 (BD-8)		CONTRACT NO. 62D15		
<small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>				



* 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.

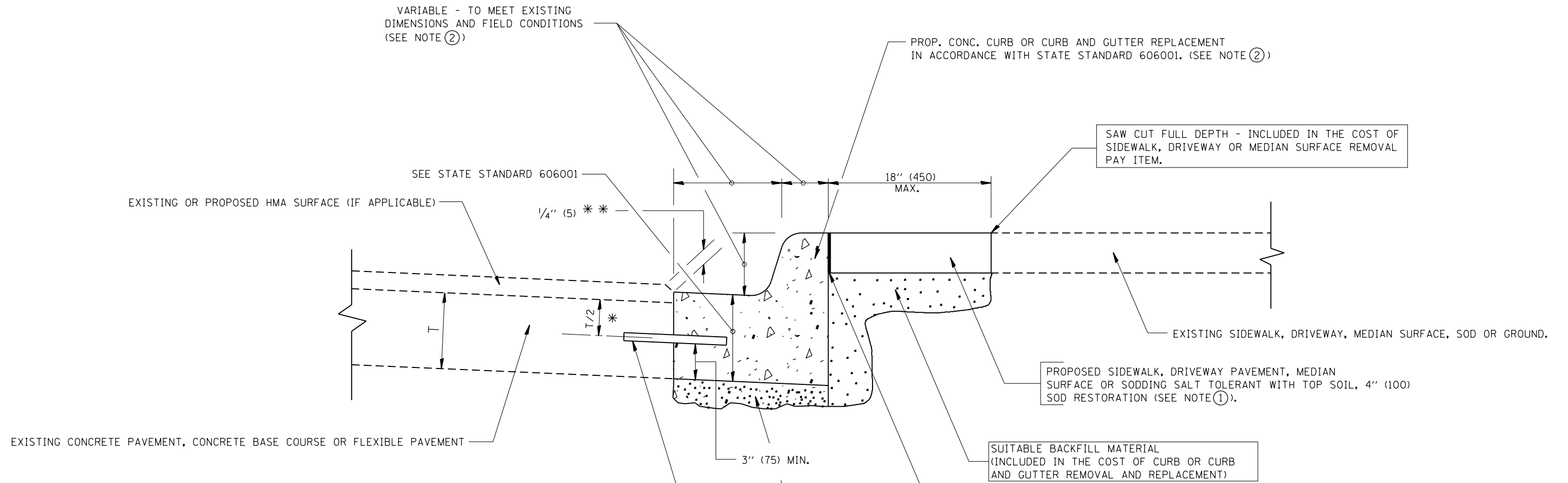
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		DATE - 10-25-94	REVISED - R. BORO 09-04-07
			REVISED - K. ENG 10-27-08

**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. 3545	SECTION (543-R&561)RS-6	COUNTY DUPAGE	TOTAL SHEETS 45	SHEET NO. 35
BD400-04 (BD-22)		CONTRACT NO. 62D15		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- * 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.

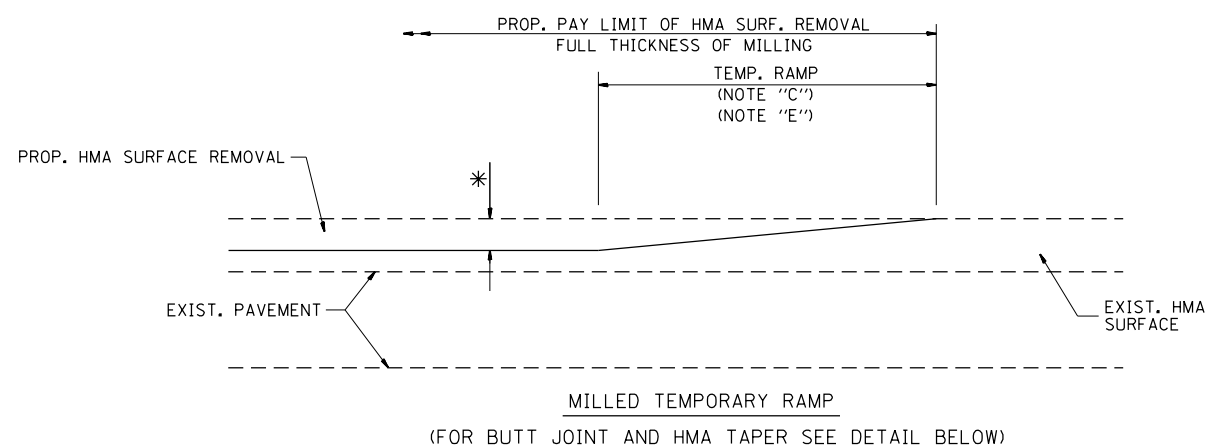
- PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)
- UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, 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".

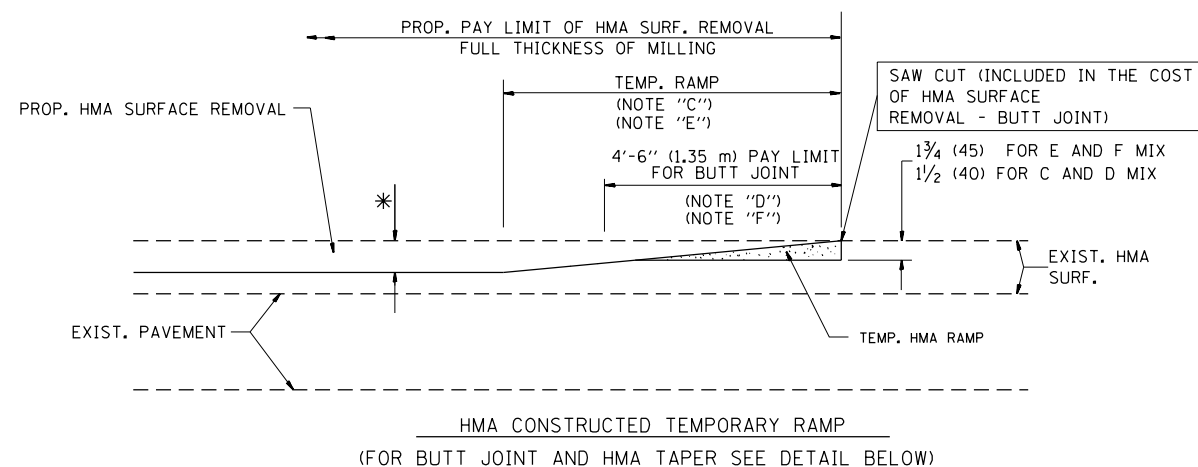
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = josephm	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. 3545	SECTION (543-R&56)RS-6	COUNTY DUPAGE	TOTAL SHEETS 45	SHEET NO. 36	
PLOT SCALE = 100.0000' / 1".						REVISED - A. ABBAS 03-21-97	BD600-06 (BD-24)				
PLOT DATE = 4/5/2017						REVISED - M. GOMEZ 01-22-01	CONTRACT NO. 62D15				
DATE - 03-11-94						REVISED - R. BORO 12-15-09	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
						SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		

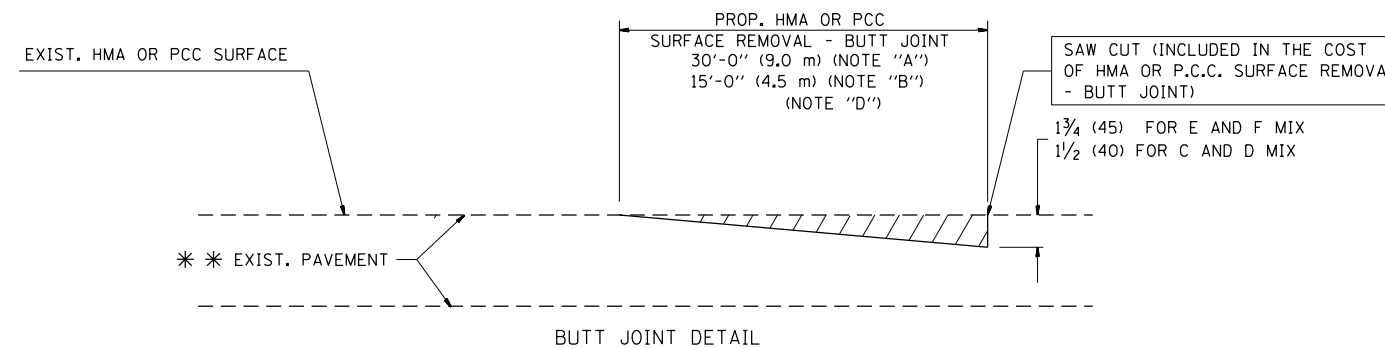


OPTION 1

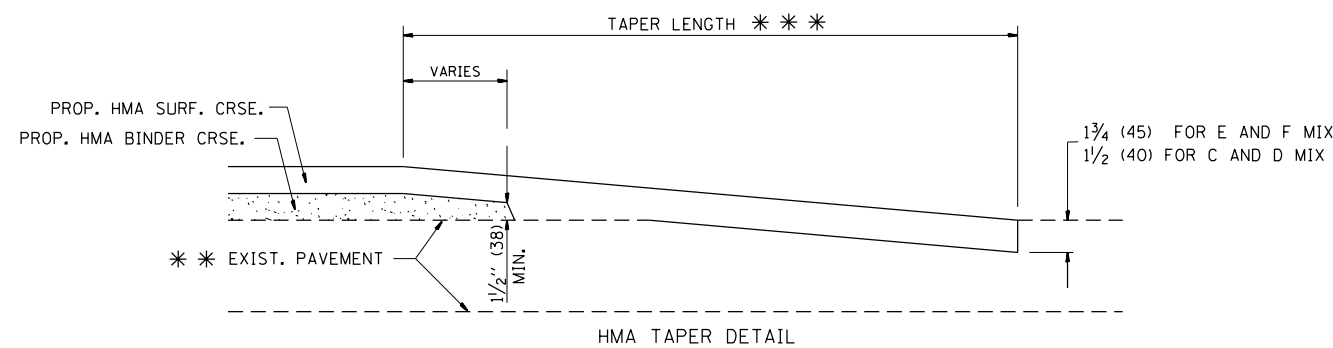


OPTION 2

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.

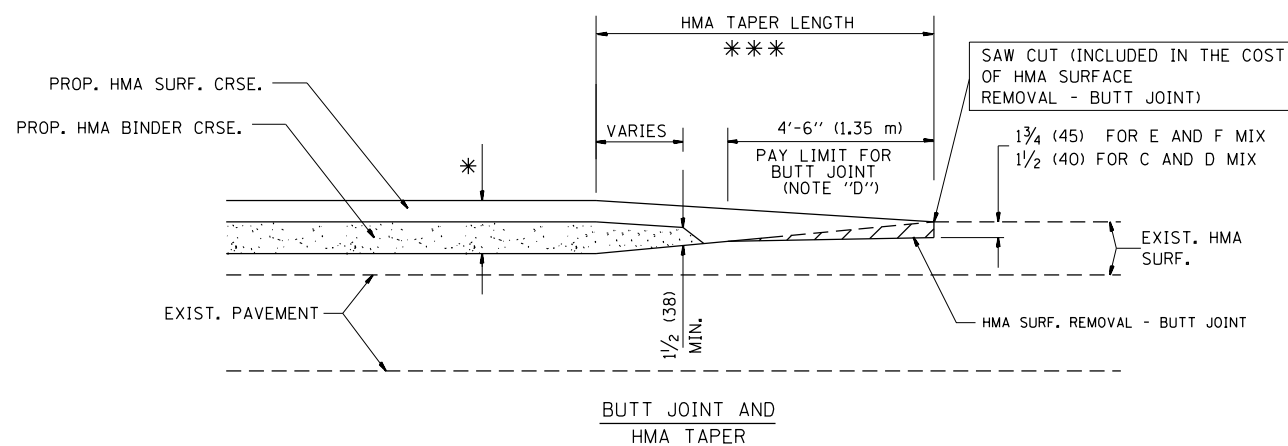
NOTES

- 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

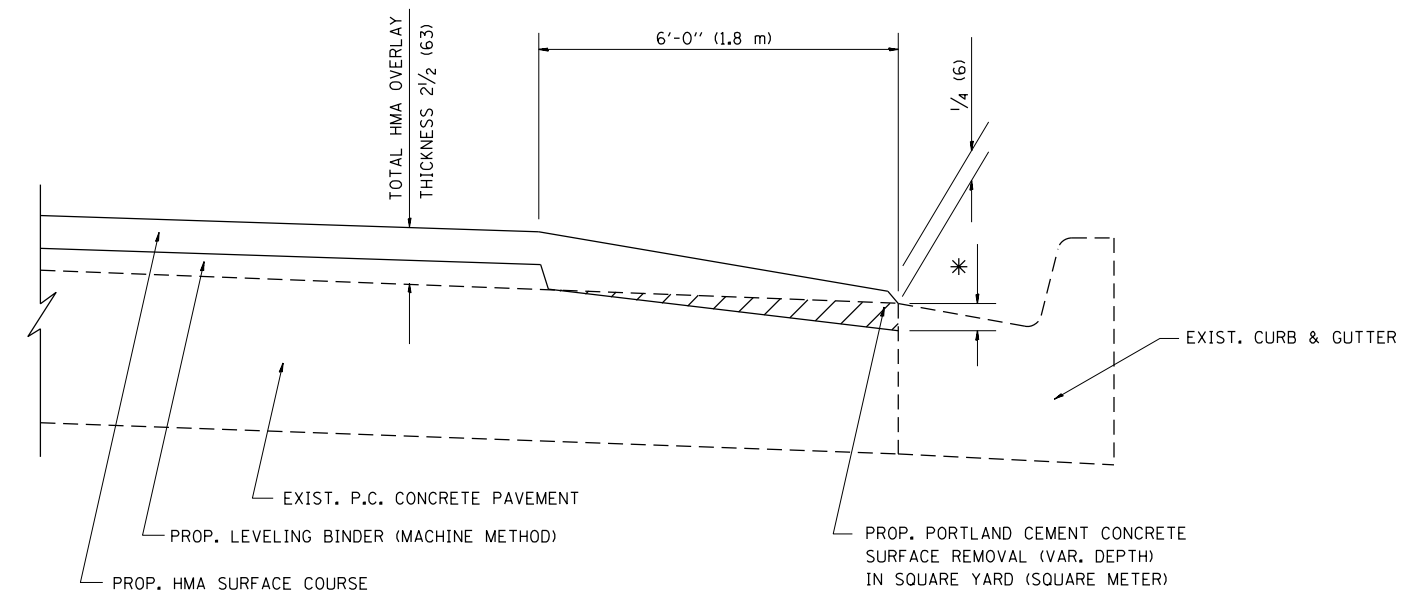
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	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 4/5/2017	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**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.
3545	(543-R&561)RS-6	DUPAGE	45	37
BD400-05 BD32		CONTRACT NO. 62D15		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



HMA TAPER AT
EDGE OF P.C.C. PAVEMENT

HMA SURFACE	THICKNESS	LEVELING BINDER	THICKNESS	* MILLING AT GUTTER FLAG
C OR D	1 1/2 (38)	1 (25)		1/4 (33)
E	1 3/4 (44)	3/4 (19)		1/2 (38)

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

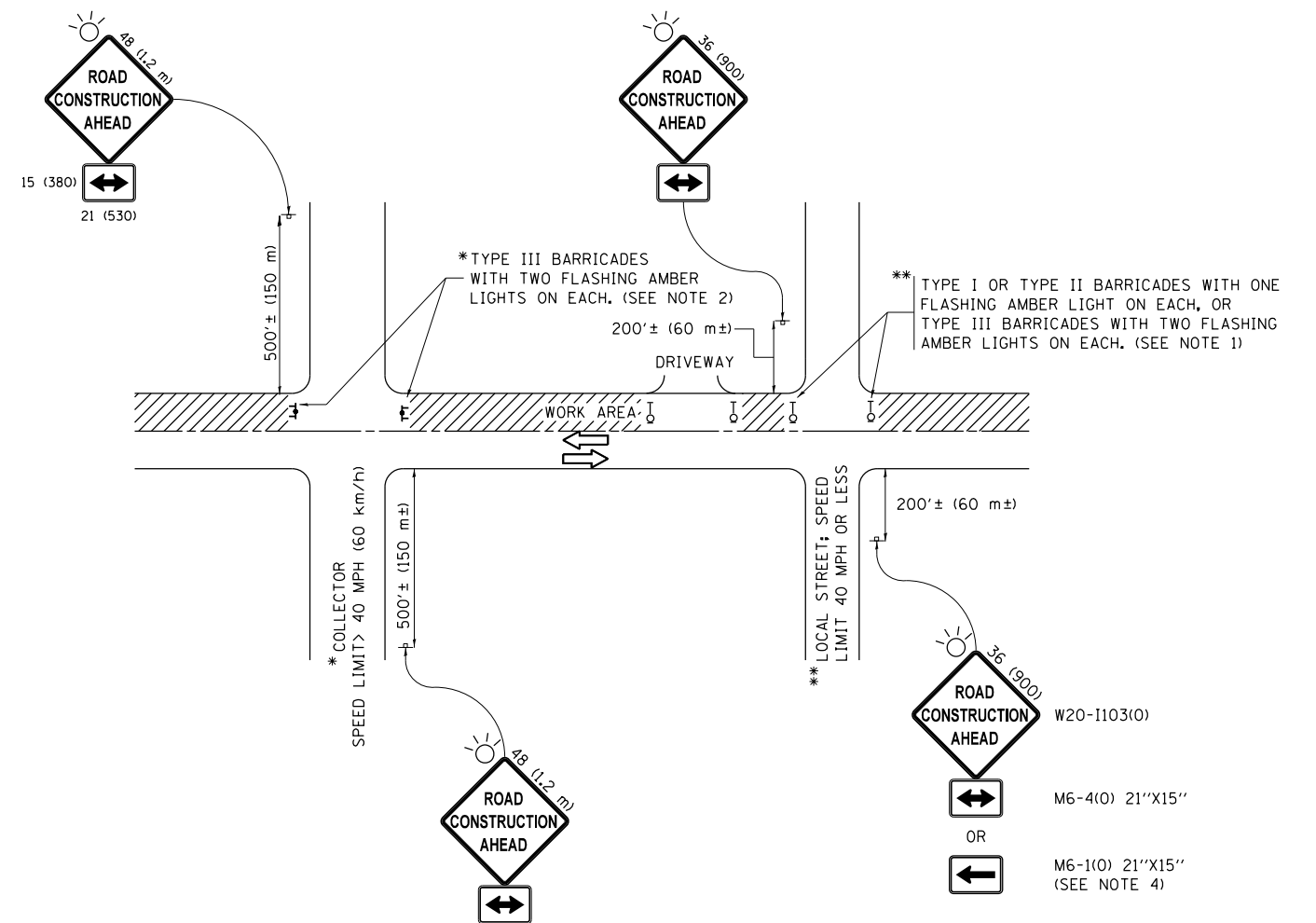
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Default	PLOT SCALE = 100.0000' / 1"	DATE - 09-10-94	REVISED - R. BORO 01-01-07
	PLOT DATE = 4/5/2017		REVISED - JP CHANG 07-08-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HMA TAPER AT
EDGE OF P.C.C. PAVEMENT

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

F.A.U. RTE. 3545	SECTION (543-R&561)RS-6	COUNTY DUPAGE	TOTAL SHEETS 45	SHEET NO. 38
BD400-06 (BD33)		CONTRACT NO. 62D15		
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

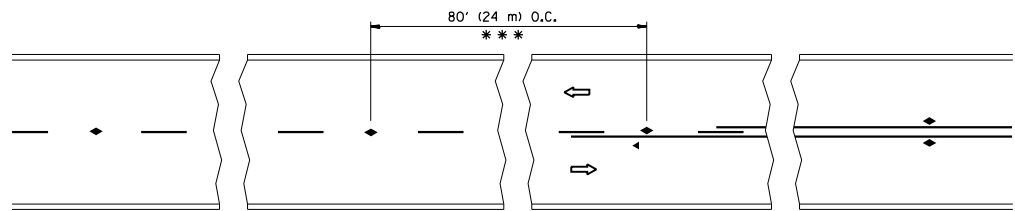
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	PLOT DATE = 4/5/2017	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

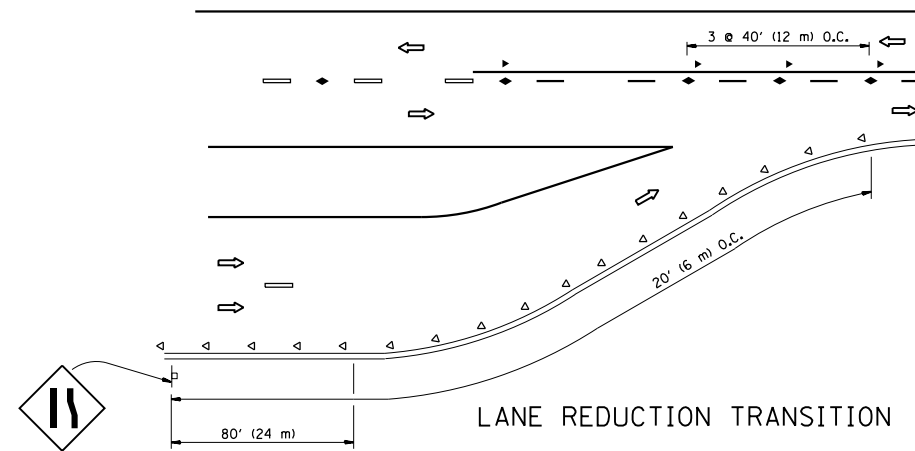
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TC-10			CONTRACT NO. 62D15	
ILLINOIS FED. AID PROJECT				

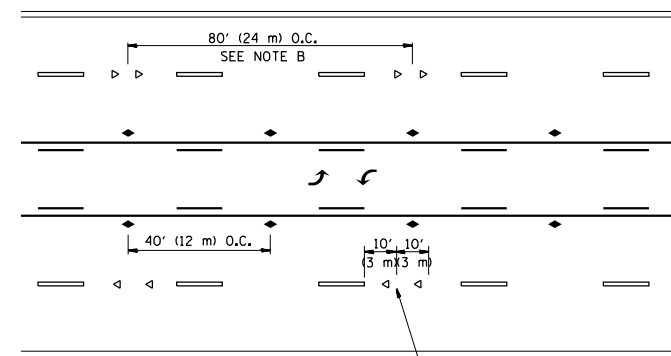


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

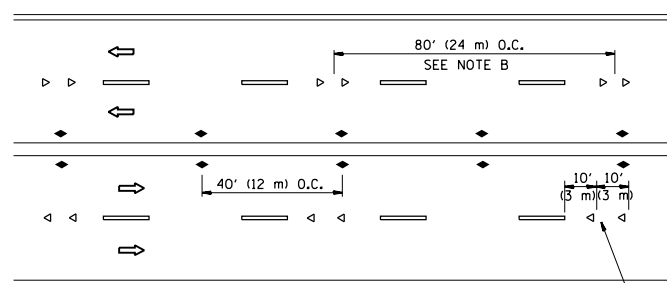
TWO-LANE/TWO-WAY



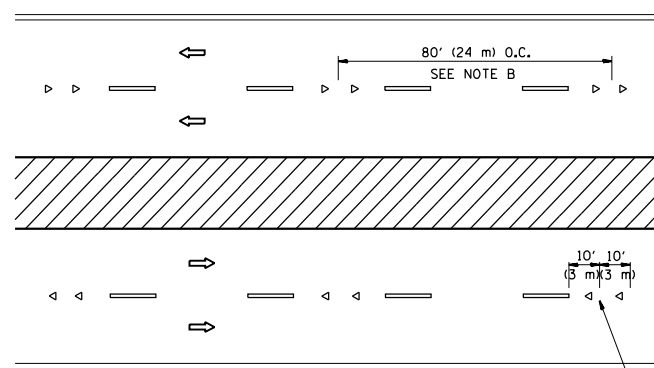
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

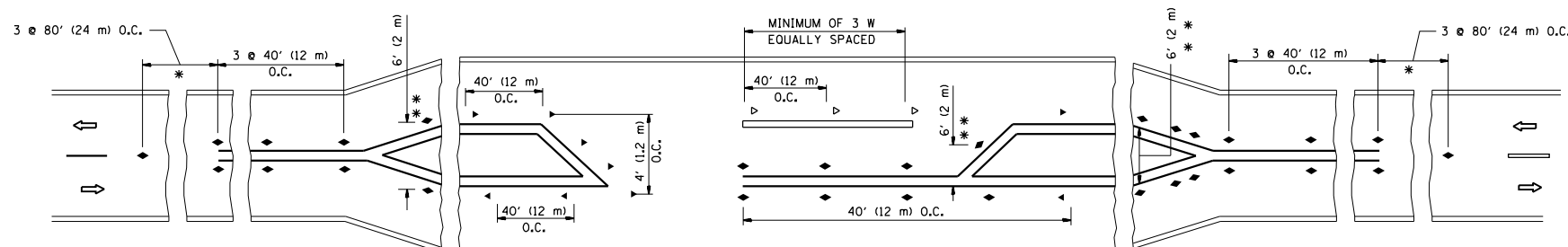
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

LEFT TURN

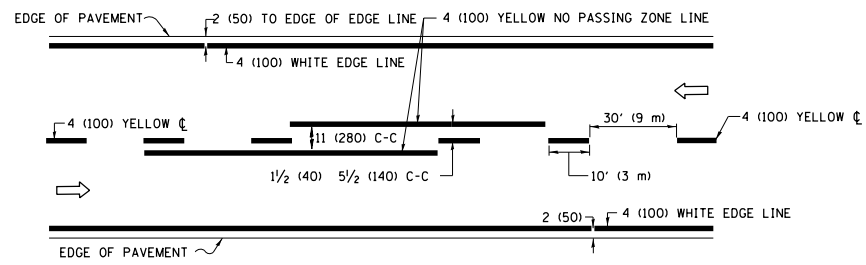
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED - T. RAMMACHER 09-19-94
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		DATE -	REVISED - T. RAMMACHER 01-06-00
			REVISED - C. JUCIUS 09-09-09

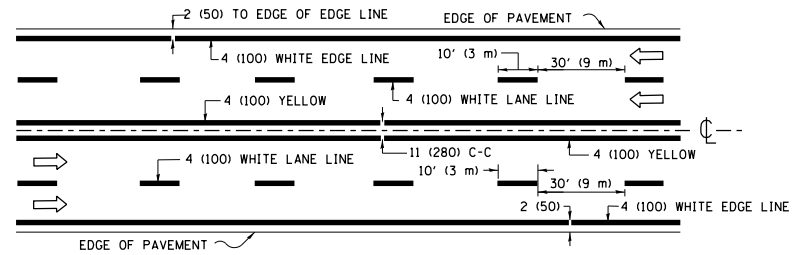
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS			
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

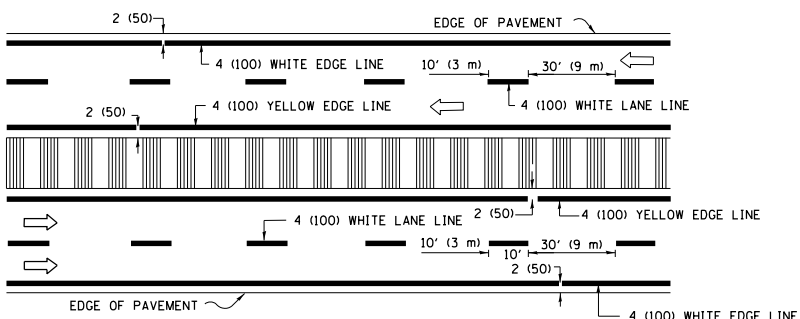
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	(543-R&561)RS-6	DUPAGE	45	40
TC-11			CONTRACT NO. 62D15	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

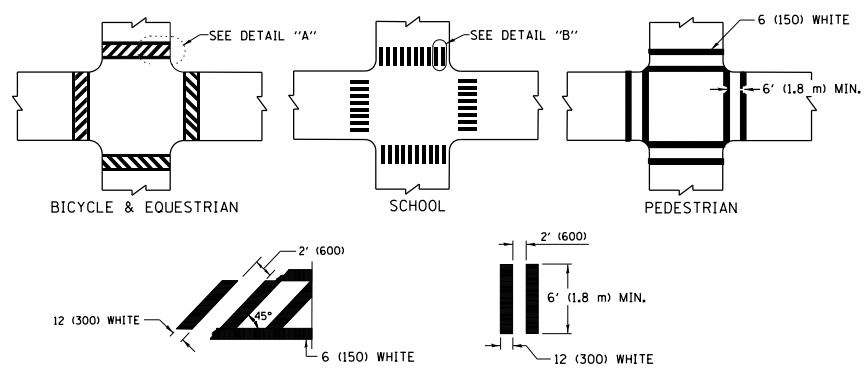


MULTI-LANE UNDIVIDED



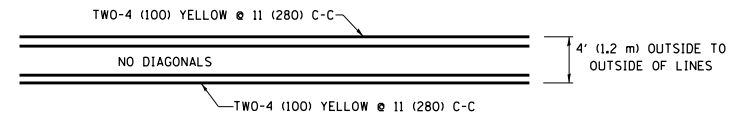
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

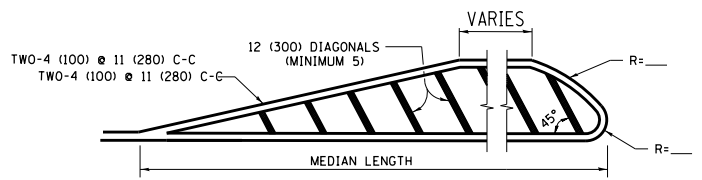


TYPICAL CROSSWALK MARKING

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

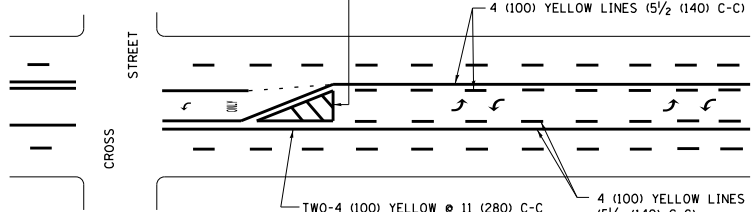


4' (1.2 m) WIDE MEDIANS ONLY



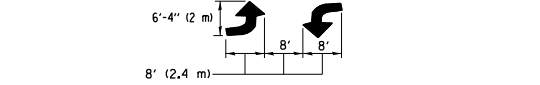
MEDIANS OVER 4' (1.2 m) WIDE

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))

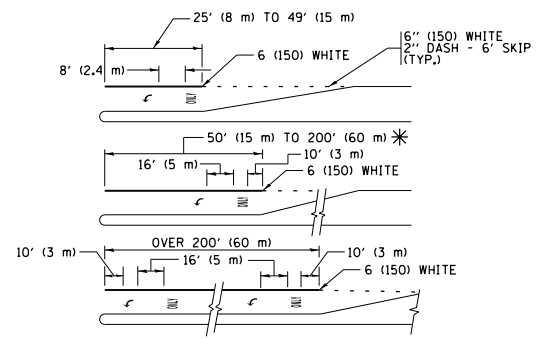


**MEDIAN WITH TWO-WAY LEFT TURN LANE
TYPICAL PAINTED MEDIAN MARKING**

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.

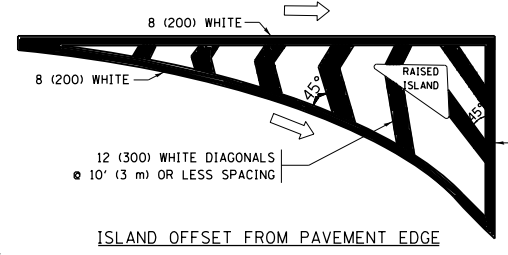


**MEDIAN WITH TWO-WAY LEFT TURN LANE
TYPICAL PAINTED MEDIAN MARKING**

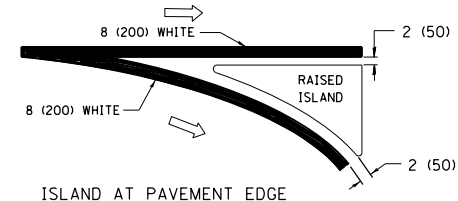


FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

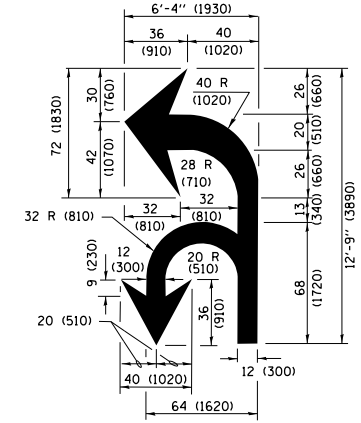
**TYPICAL LEFT (OR RIGHT) TURN LANE
TYPICAL TURN LANE MARKING**



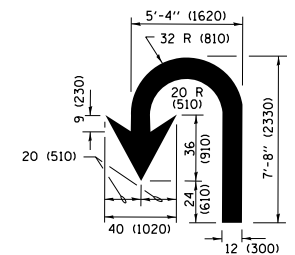
ISLAND OFFSET FROM PAVEMENT EDGE



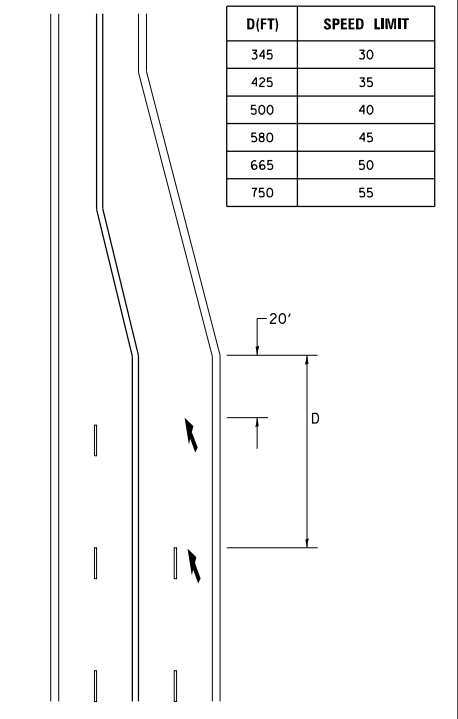
**ISLAND AT PAVEMENT EDGE
TYPICAL ISLAND MARKING**



COMBINATION LEFT AND U-TURN



U-TURN



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.

FILE NAME =	USER NAME = josephm	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
pw\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\01423\BROWN\data\Design\Diststd.dgn		CHECKED -	REVISED - C. JUCIUS 07-01-13
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	PLOT DATE = 4/5/2017		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.U. RTE. 3545	SECTION (543-R8561)RS-6	COUNTY DUPAGE	TOTAL SHEETS 45	SHEET NO. 41
TC-13			CONTRACT NO. 62D15	
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

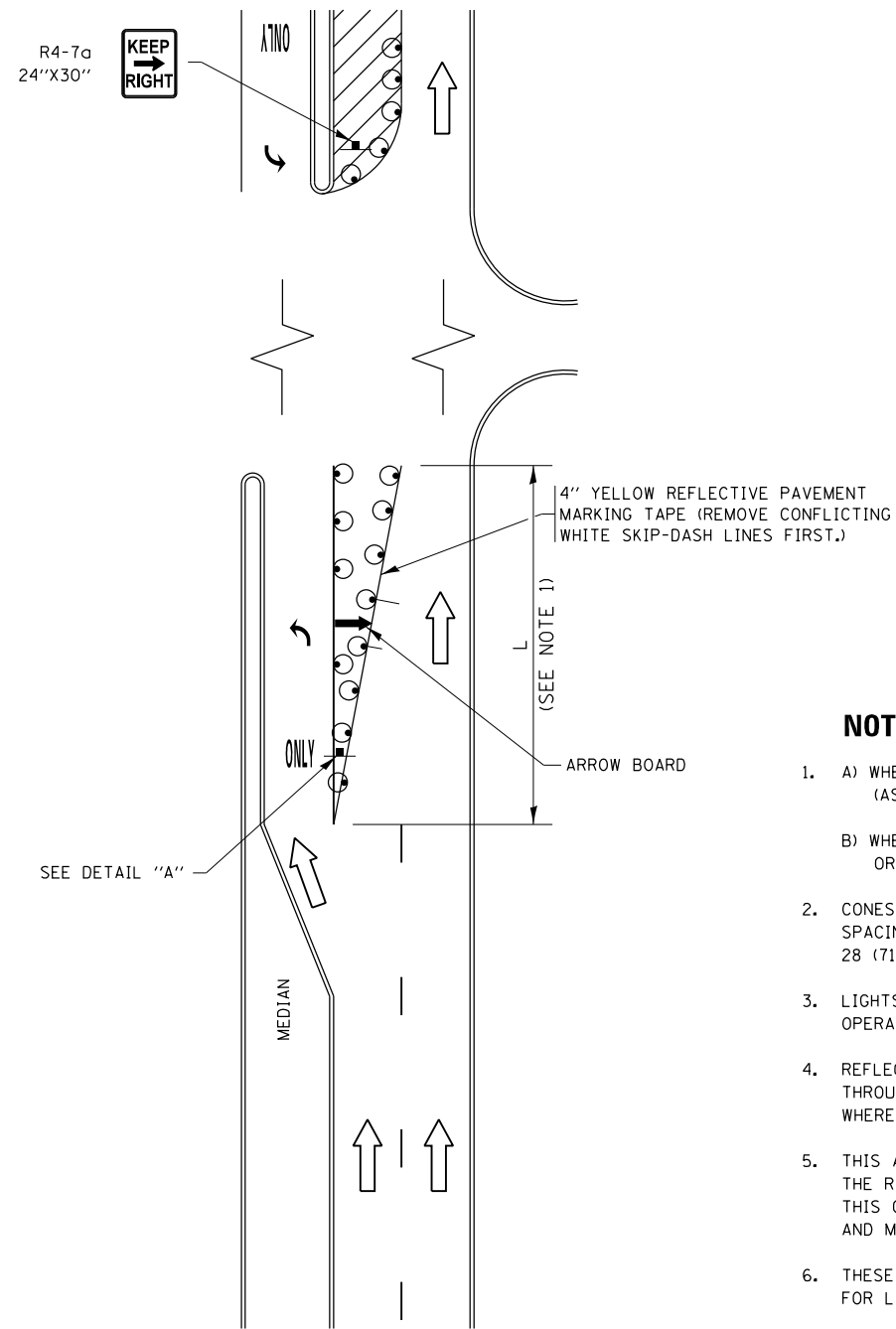


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

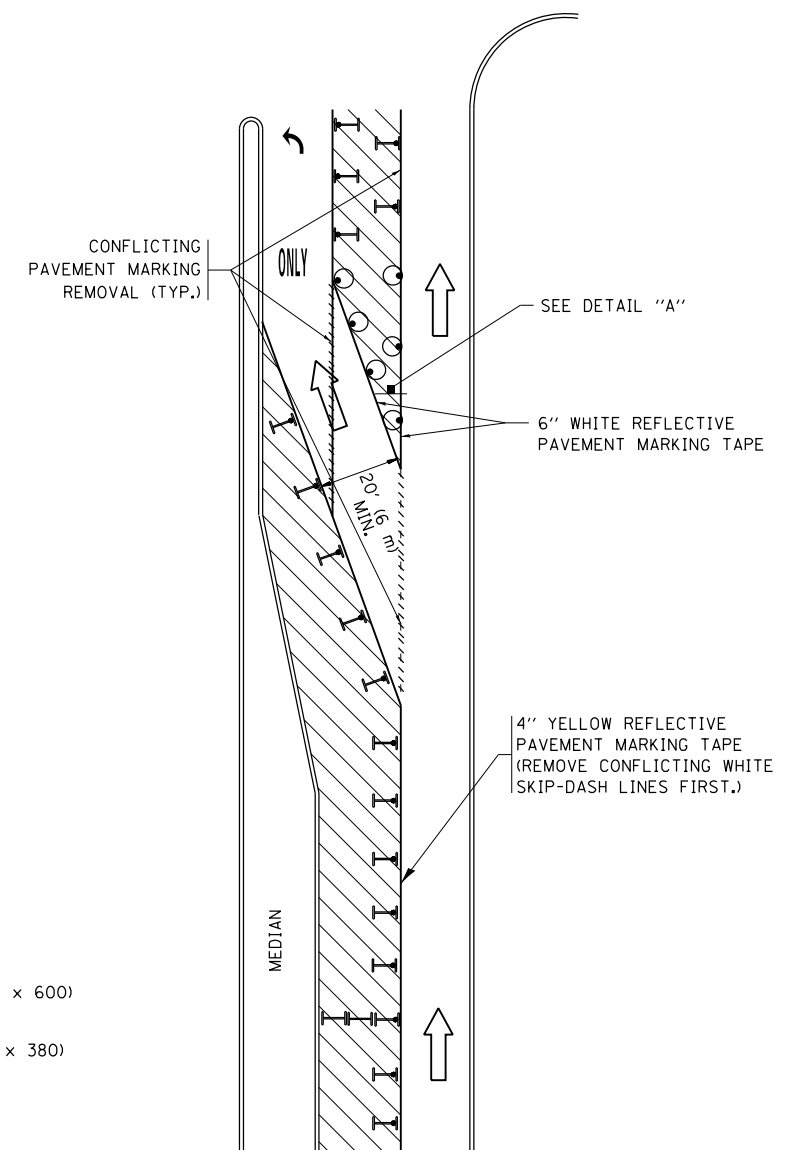


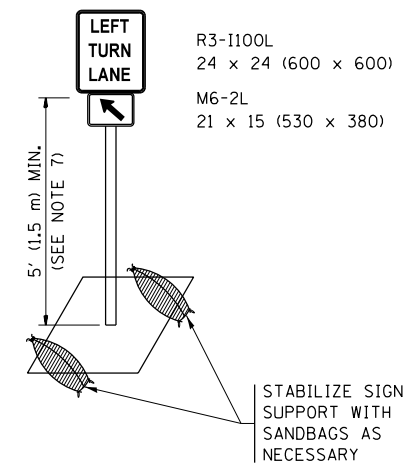
FIGURE 2

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

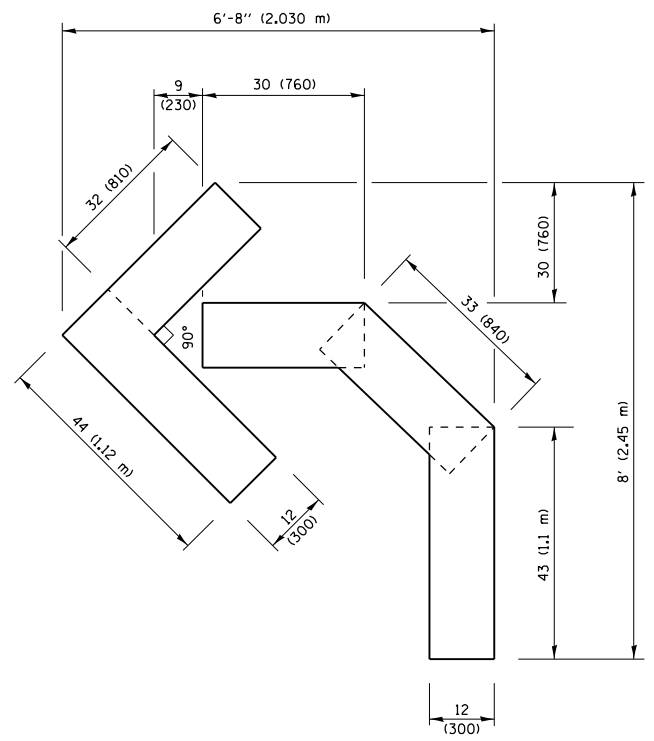
1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



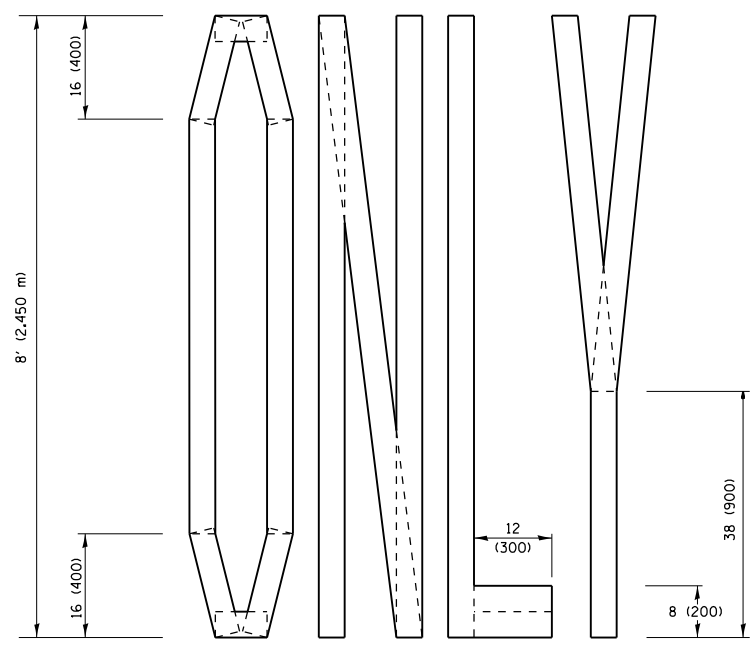
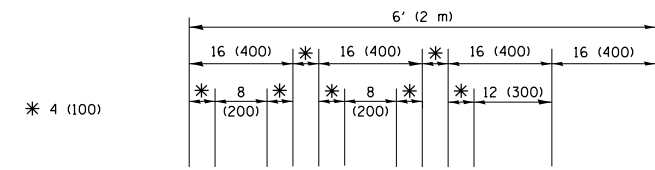
DETAIL A

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

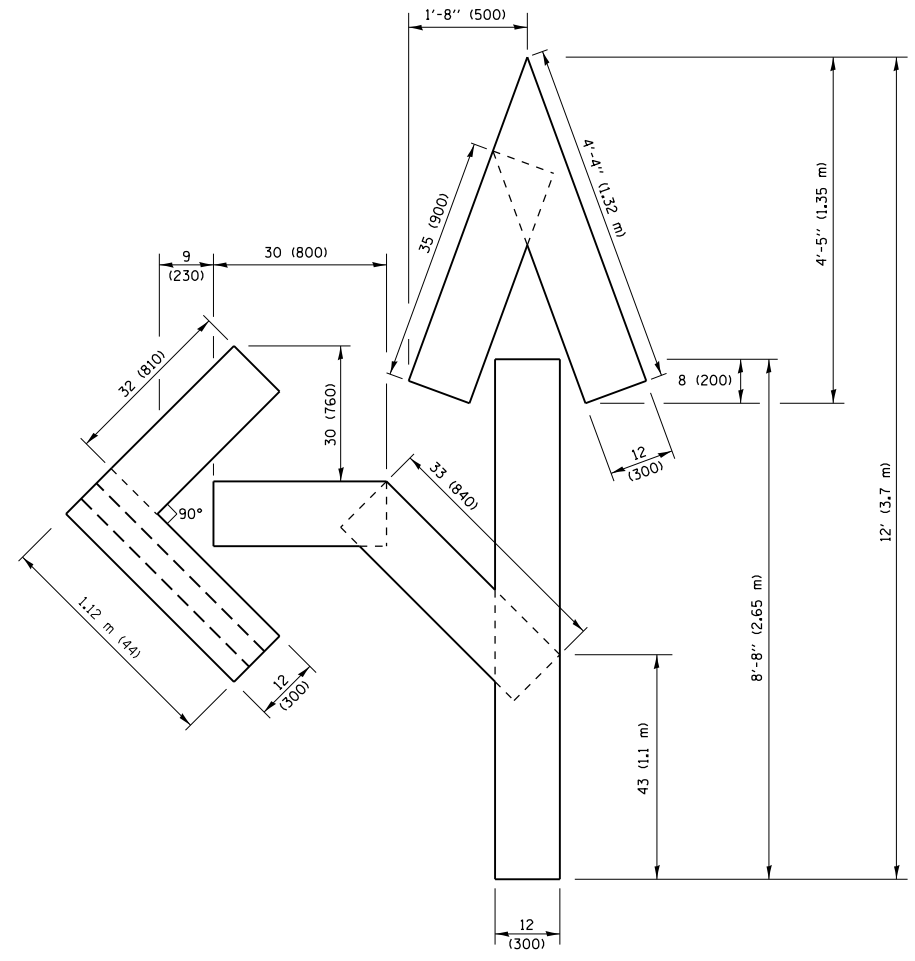
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Default		REVISED - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13			3545	(543-R&561)RS-6	DUPAGE	45	42
		REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16			TC-14		CONTRACT NO. 62D15		<small>ILLINOIS FED. AID PROJECT</small>



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

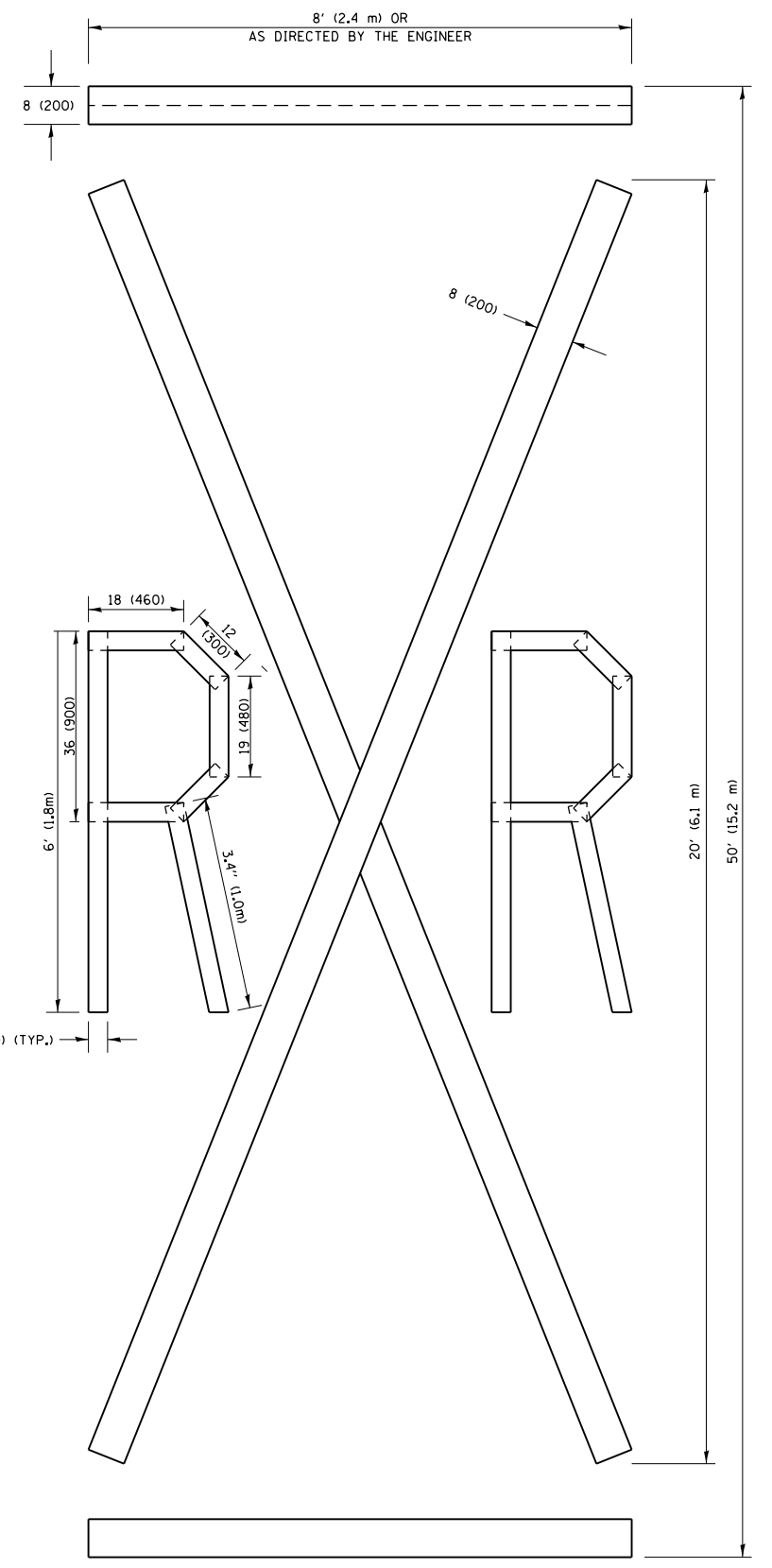


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



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)

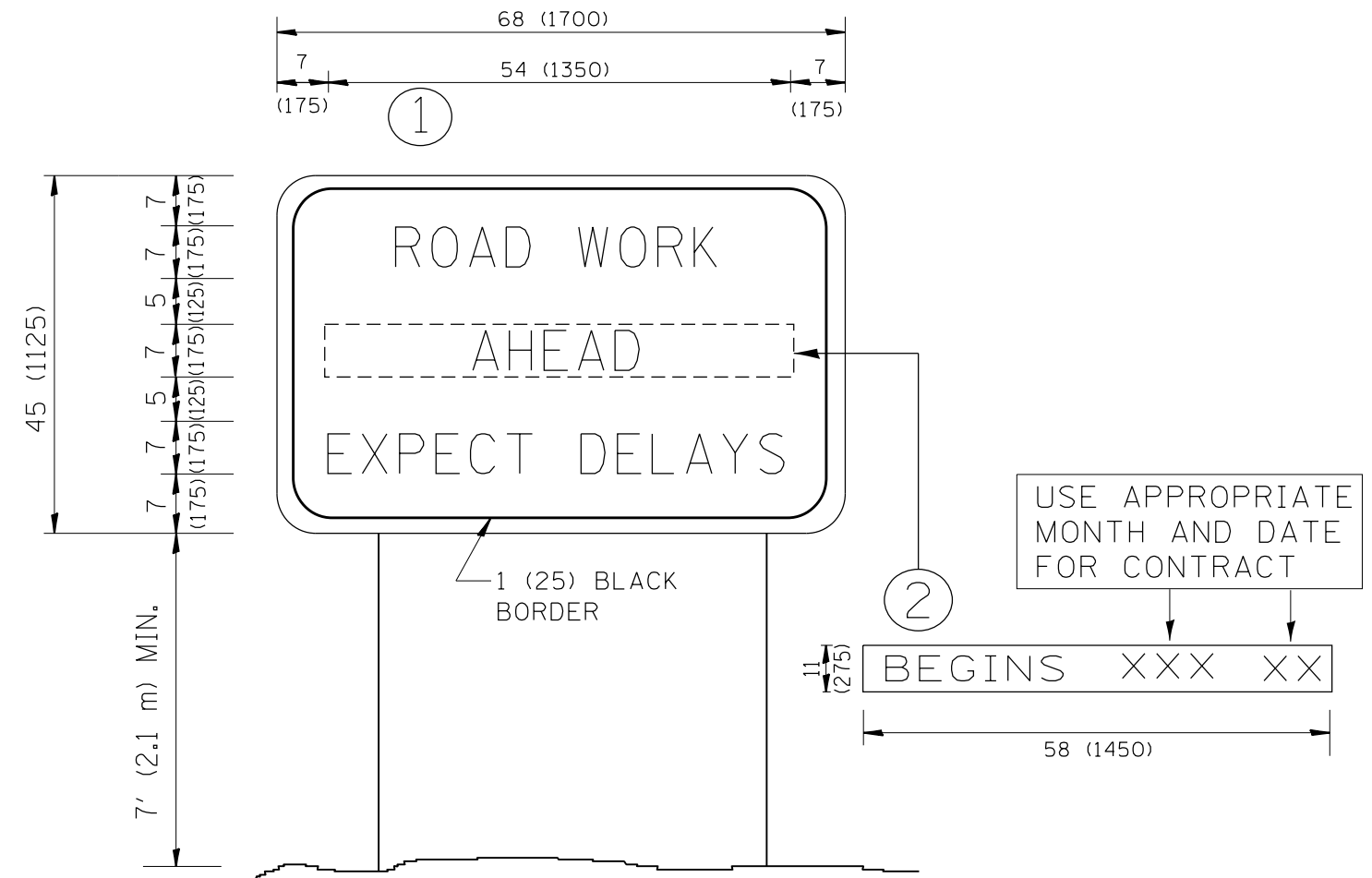
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED -T. RAMMACHER 03-02-98
pw:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\01428\Drawings\Design\Diststd.dgn		CHECKED -	REVISED -E. GOMEZ 08-28-00
		DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00
			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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3545	(543-R&S6)RS-6	DUPAGE	45	43
TC-16		CONTRACT NO. 62D15		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

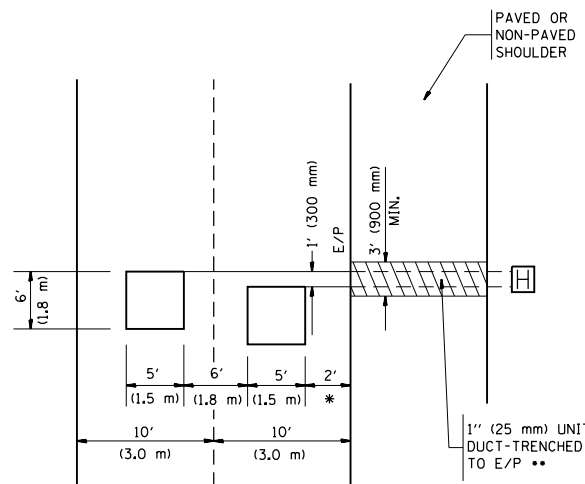
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
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 =	USER NAME = josephm	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\11\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\1428\Drawings\Design\Diststd.dgn		REVISION	REVISED - R. MIRS 12-11-97			3545	(543-R&S6)RS-6	DUPAGE	45	44	
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99				TC-22		CONTRACT NO. 62D15			
PLOT DATE = 4/5/2017	DATE -	REVISED - C. JUCIUS 01-31-07				SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		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.

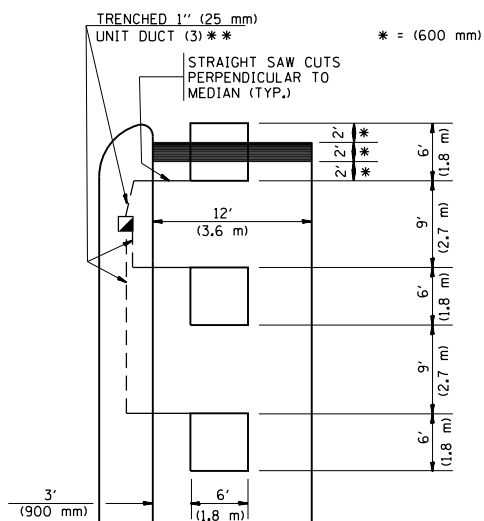


* = (600 mm)

** 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)

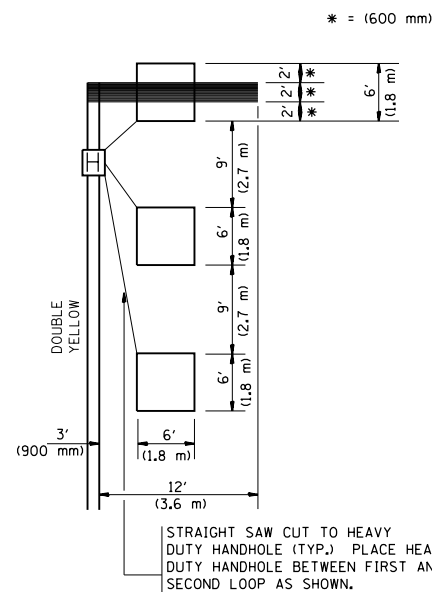
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



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

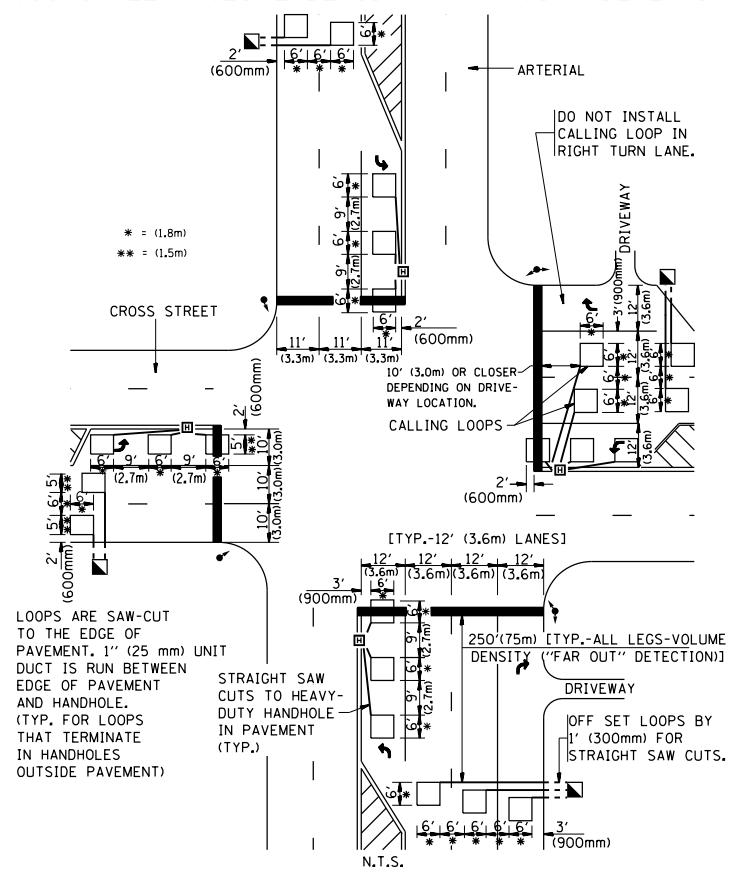
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)



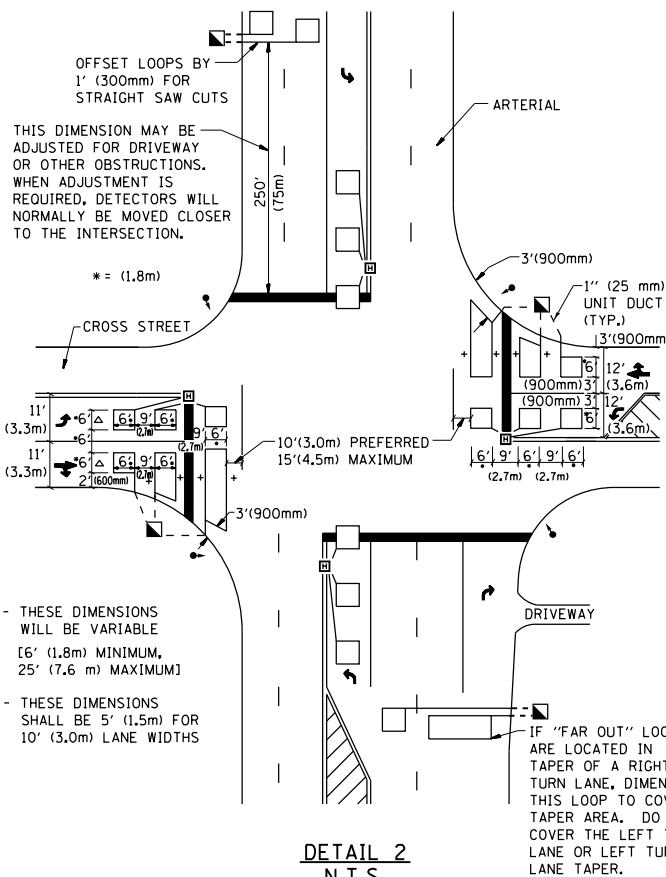
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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 =	USER NAME = josephm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING			F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBID\INTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\01425\Drawings\Design\Diststd.dgn		CHECKED - R.K.F.	REVISED -					3545	(543-R&S)RS-6	DUPAGE	45	45
PLOT SCALE = 100.0000' / 1in.		DATE -	REVISED -					TS-07			CONTRACT NO. 62D15	
PLOT DATE = 4/5/2017			REVISED -					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	