

F.A.U. RTE. 1587	SECTION (73&3034)RS-5	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 1
ILLINOIS			CONTRACT NO. 60Y84	

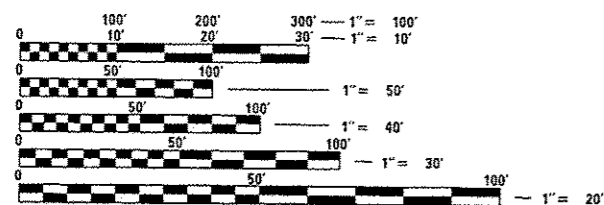
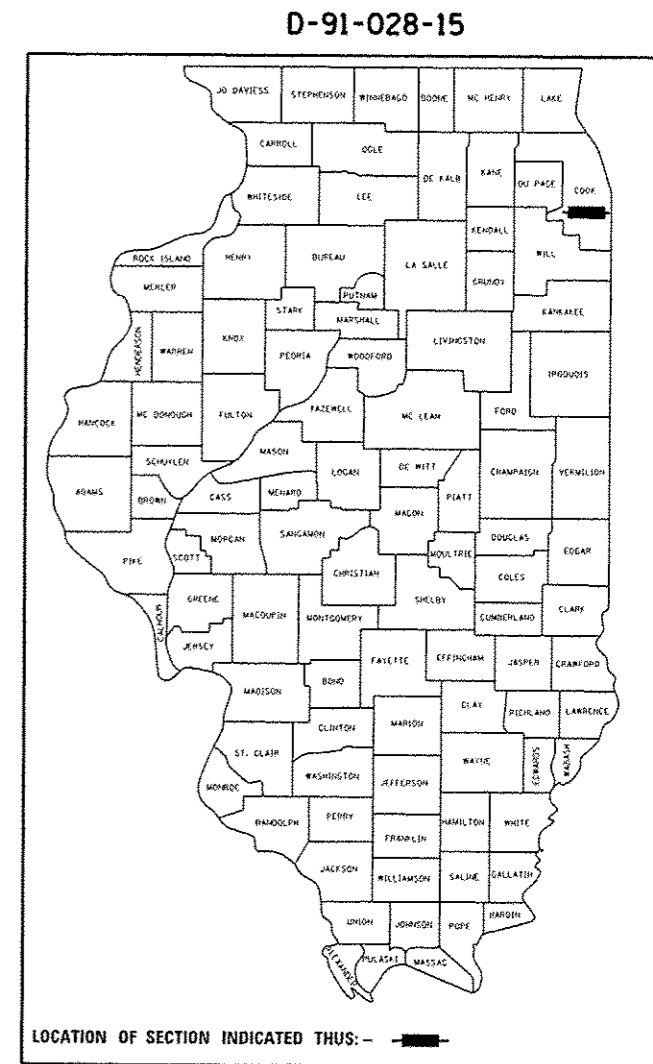
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

F.A.U. ROUTE 1587 (123RD STREET)
US 45 (96TH AVE.) TO IL 43 (HARLEM AVE.)
SECTION (73&3034)RS-5
PROJECT: ACM-1587(007)
RESURFACING (3P), PEDESTRIAN RAMPS (ADA)
COOK COUNTY
C-91-028-15

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT IS LOCATED IN THE
VILLAGE OF PALOS PARK AND PALOS
HEIGHTS



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.

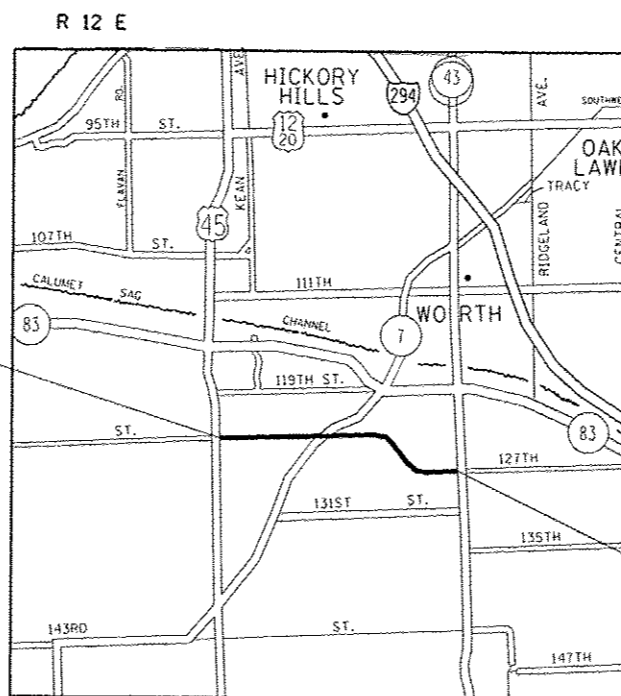
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: DAN WILGREEN (847) 705-4240
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 60Y84

IMPROVEMENT BEGINS
STA 14+27

RESURFACING OMISSIONS
STA. 84+95 TO STA. 85+91 AND
STA. 103+90 TO STA. 105+74



PALOS TOWNSHIP
GROSS LENGTH = 17,234 FT. = 3.26 MILE
NET LENGTH = 16,954 FT. = 3.21 MILE



TRAFFIC DATA:
2014 ADT = 7850
SPEED LIMIT = 35 MPH

IMPROVEMENT ENDS
STA 186+61

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED October 20, 2016

John F. Adams, Jr.
REGIONAL ENGINEER

December 9, 2016
M. A. Adams, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

December 9, 2016
Karee A. Adams
DIRECTOR OF PROGRAM DEVELOPMENT

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.

DESCRIPTION

STATE STANDARDS

GENERAL NOTES:

1	TITLE SHEET	000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES	424001-09	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
3-5	SUMMARY OF QUANTITIES	424006-02	DIAGONAL CURB RAMPS FOR SIDEWALKS
6-9	TYPICAL SECTIONS	424011-03	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
10-16	ROADWAY & PAVEMENT MARKING PLANS	424016-03	MID-BLOCK CURB RAMPS FOR SIDEWALKS
17-29	SIDEWALK DETAIL PLANS - 123RD ST. (US 45 TO IL 43)	424021-03	DEPRESSED CORNER FOR SIDEWALKS
30-32A	DETECTOR LOOP REPLACEMENT PLANS	442201-03	CLASS C AND D PATCHES
33	DETAILS FOR FRAMES AND LIDS WITH MILLING (BD-08)	604001-04	FRAME AND LIDS TYPE 1
34	PAVEMENT PATCHING FOR HOT-MIX ASPHALT SURFACED PAVEMENT (BD-22)	604091-03	FRAME AND GRATE TYPE 24
35	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)	701011-04	OFF-RD MOVING (SHOULDER)
36	BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS (BD-32)	701301-04	LANE CLOSURE, 2L, 2W, SHORT-TIME OPERATIONS
37	HMA TAPER AT EDGE OF PCC PAVEMENT (BD-33)	701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
38	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS (TC-10)	701427-05	MOVING OPERATIONS FOR SPEEDS < 40 MPH
39	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT) (TC-11)	701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
40	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)	701602-08	URBAN LANE CLOSURE, MULTILANE, 2W WITH BI-DIRECTIONAL LEFT TURN LANE
41	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)	701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTIONS
42	ARTERIAL ROAD INFORMATION SIGNING (TC-22)	701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
43	DISTRICT 1- DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)	701901-06	TRAFFIC CONTROL DEVICES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF PALOS PARK AND CITY OF PALOS HEIGHTS.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40MM) WHERE THE SPEED LIMIT IS 45 MPH (80KM/H) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80 KM/H), WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).

10 FEET (3 METER) TRANSITION SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER TO EXISTING CURB AND GUTTERS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITION SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

THE RESIDENT ENGINEER SHALL VERIFY THE LOCATIONS OF ALL EXISTING PAVEMENT MARKINGS PRIOR TO MILLING OR RESURFACING.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

ALL PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO DISTRICT 1 TYPICAL PAVEMENT MARKING.

TWO WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS, CONTACT PATRICE HARRIS, AREA TRAFFIC FIELD ENGINEER AT PATRICE.HARRIS@ILLINOIS.GOV.

RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO THE DISTRICT STANDARDS AS NOTED IN THE DETAIL.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.

PATCHING LOCATIONS SHALL BE DETERMINED BY THE RESIDENT ENGINEER.

ALL SIDEWALK RAMPS WITHIN THE LIMITS OF THE PROJECT SHALL CONFORM TO CURRENT ADA REQUIREMENTS AND APPLICABLE STATE HIGHWAY STANDARDS OR AS DETERMINED BY ENGINEER.

NIGHTTIME FLAGGERS OR WORKERS SHALL BE EQUIPPED WITH A FLUORESCENT ORANGE OR FLUORESCENT YELLOW/GREEN VEST MEETING THE REQUIREMENTS OF ANSI/ISEA 107-2004 FOR CONSPICUITY CLASS 3 GARMENTS.

CONES OR REFLECTORIZED CONES WILL NOT BE ALLOWED FOR NIGHTTIME OPERATIONS.

REV.

FILE NAME *	USER NAME * valledolidv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	123RD STREET FROM US ROUTE 45 TO IL ROUTE 43 INDEX OF SHEETS STATE STANDARDS AND GENERAL NOTES	F.A.I.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	Default	CHECKED -	REVISED -			1597	(73&3034)RS-5	COOK	43	2	
		DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

ILLINOIS FED. AID PROJECT CONTRACT NO. 60Y84

URBAN

URBAN

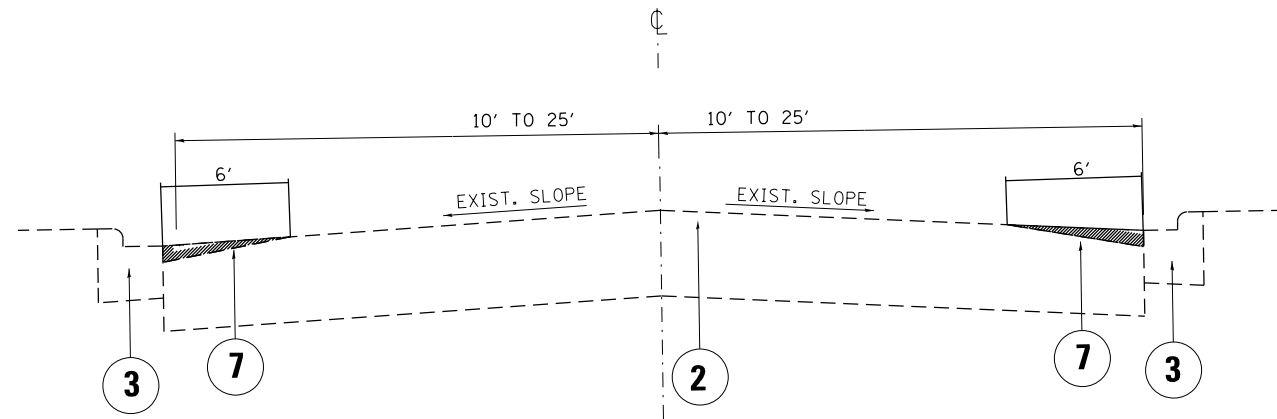
SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED 20% STATE ROADWAY				
20200100	EARTH EXCAVATION	CU YD	79	79				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	93	93				
21400100	GRADING AND SHAPING DITCHES	FOOT	950	950				
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	2	2				
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	2	2				
25200110	SODDING, SALT TOLERANT	SO YD	93	93				
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	44760	44760				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	200	200				
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	2672	2672				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL BUTT JOINT	SO YD	705	705				
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	5571	5571				
42001300	PROTECTIVE COAT	SO YD	537	537				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	2053	2053				
42400800	DETECTABLE WARNINGS	SO FT	379	379				

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED 20% STATE ROADWAY				
44000100	PAVEMENT REMOVAL	SO YD	22	22				
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SO YD	59738	59738				
44000600	SIDEWALK REMOVAL	SO FT	1788	1788				
44003510	MEDIAN REMOVAL PARTIAL DEPTH	SO FT	5499	5499				
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SO YD	134	134				
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SO YD	50	50				
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SO YD	1520	1520				
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	200	200				
56109210	WATER VALVES TO BE ADJUSTED	EACH	4	4				
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	5	5				
60255500	MANHOLES TO BE ADJUSTED	EACH	2	2				
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	2	2				
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	10	10				
60406000	FRAMES AND LIDS, TYPE 1 OPEN LID	EACH	15	15				
*66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	79	79				
* SPECIALTY ITEMS								

SUMMARY OF QUANTITIES				URBAN					CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED 20% STATE ROADWAY									
* 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1									
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	4	4									
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6									
67100100	MOBILIZATION	L SUM	1	1									
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1									
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1									
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1									
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1									
70300100	SHORT TERM PAVEMENT MARKING	FOOT	6808	6808									
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	3404	3404									
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	352	352									
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	39110	39110									
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1705	1705									

SUMMARY OF QUANTITIES				URBAN					CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED 20% STATE ROADWAY									
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	2141	2141									
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	705	705									
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	3404	3404									
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	352	352									
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	39110	39110									
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1705	1705									
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2141	2141									
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	705	705									
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	909	909									
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	682	682									
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	1516	1516									
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1									
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	17793	17793									
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	40	40									
	* SPECIALTY ITEMS												

123RD STREET (MCCARTHY ROAD)

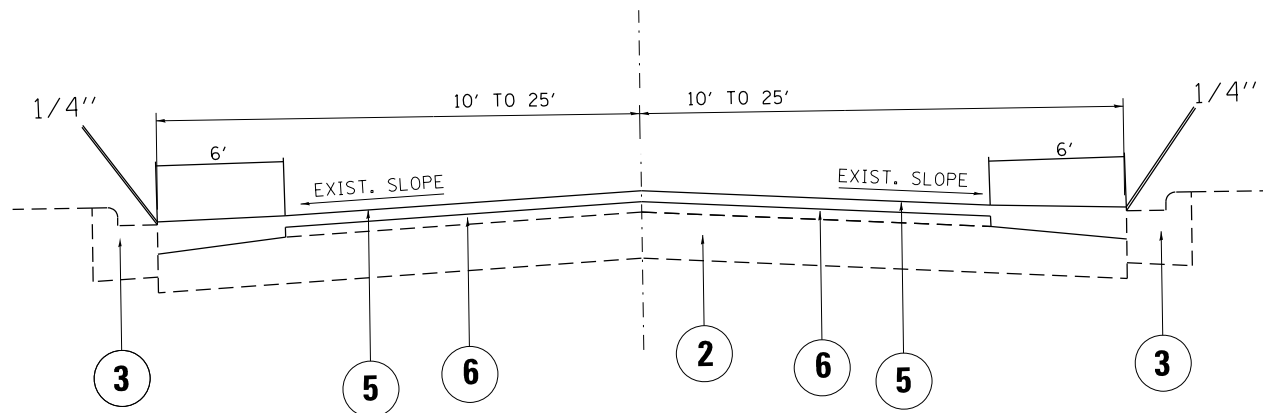


EXIST. TYPICAL SECTION
STA. 20+00 TO STA. 23+42

LEGEND

- ① EXISTING HMA SURFACE, ± 3"
- ② EXISTING PCC PAVEMENT, ±11"
- ③ EXISTING COMB. CURB AND GUTTER
- ④ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- ⑤ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 1 1/2 "
- ⑥ PROPOSED POLYMERIZED LEVLEING BINDER (MACHINE METHOD) IL-4.75, N50 3/4"
- ⑦ P.C.C SURFACE REMOVAL (VAR. DEPTH) (SEE BD-33)

123RD STREET (MCCARTHY RD)



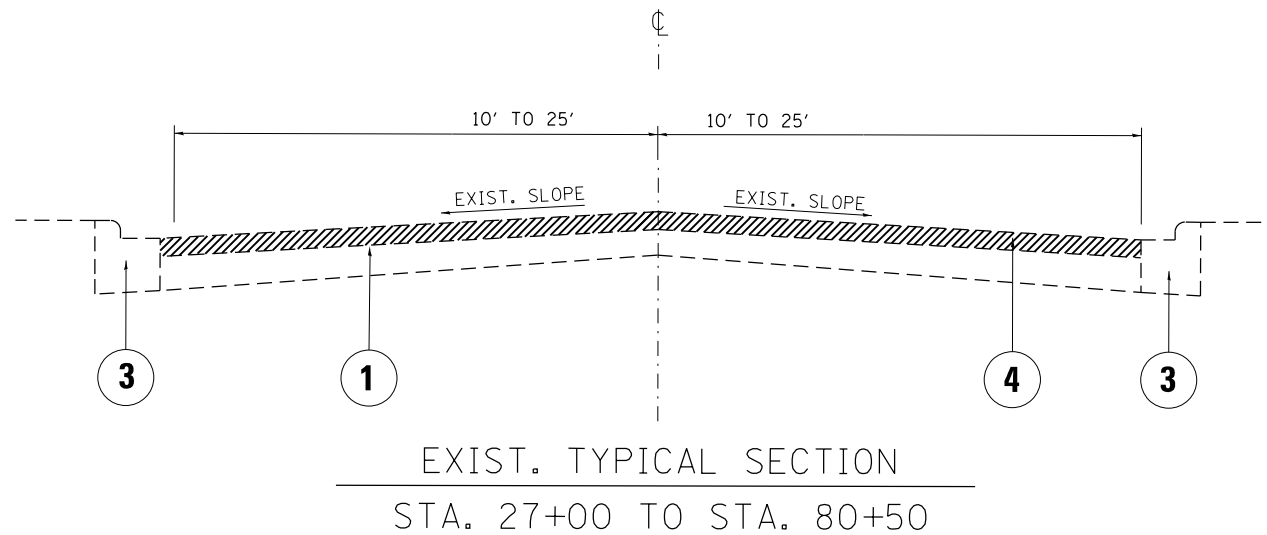
PROP. TYPICAL SECTION
STA. 20+00 TO STA. 23+42

FILE NAME =	USER NAME = valledolidv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	123RD STREET FROM US ROUTE 45 TO IL ROUTE 43 TYPICAL SECTIONS	F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100.0000' / 1in.	DATE -	REVISED -			CONTRACT NO. 60Y84			ILLINOIS FED. AID PROJECT	
	PLOT DATE = 10/28/2016					SCALE:	SHEET	OF	SHEETS	STA.

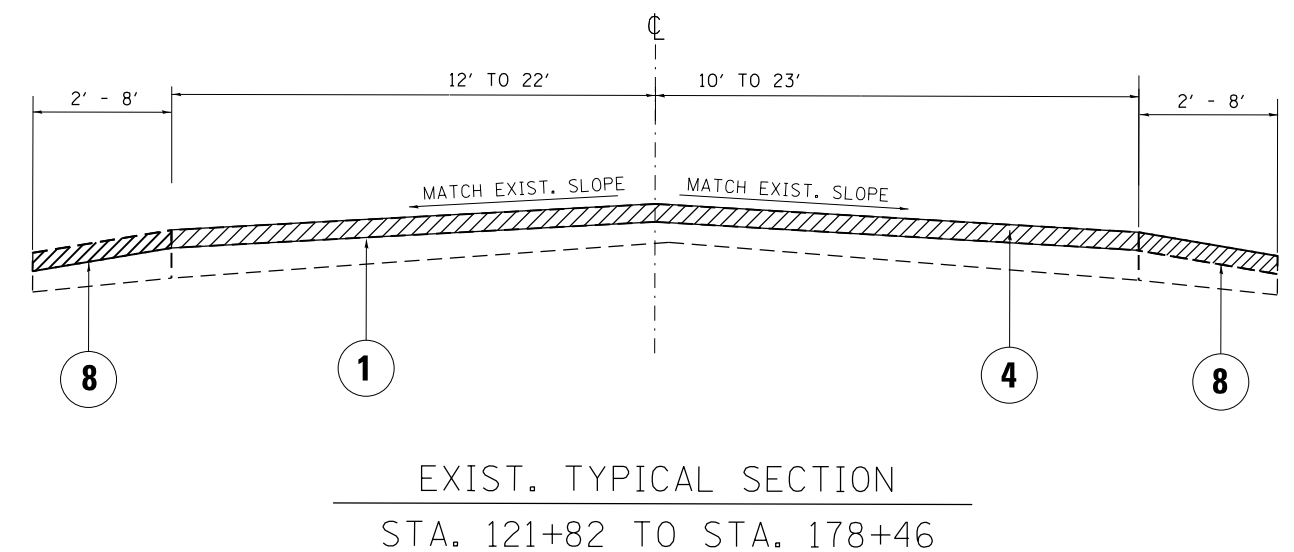
LEGEND

- ① EXISTING HMA PAVEMENT, VARIES 6" - 9" (±)
- ② EXISTING PCC PAVEMENT, ±11'
- ③ EXISTING COMB. CURB AND GUTTER
- ④ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- ⑤ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 1 1/2 "
- ⑥ PROPOSED POLYMERIZED LEVLEING BINDER (MACHINE METHOD) IL-4.75, N50 3/4"
- ⑦ P.C.C SURFACE REMOVAL (VAR. DEPTH) (SEE BD-33)
- ⑧ EXISTING HOT-MIX ASPHALT SHOULDER ±8"

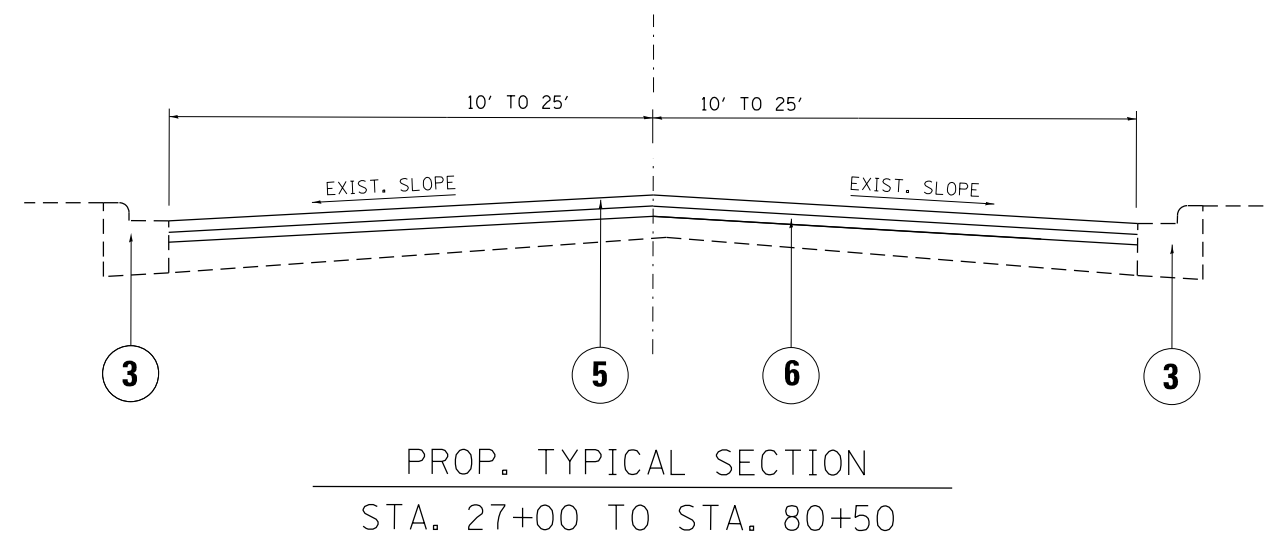
123RD STREET (MCCARTHY ROAD)



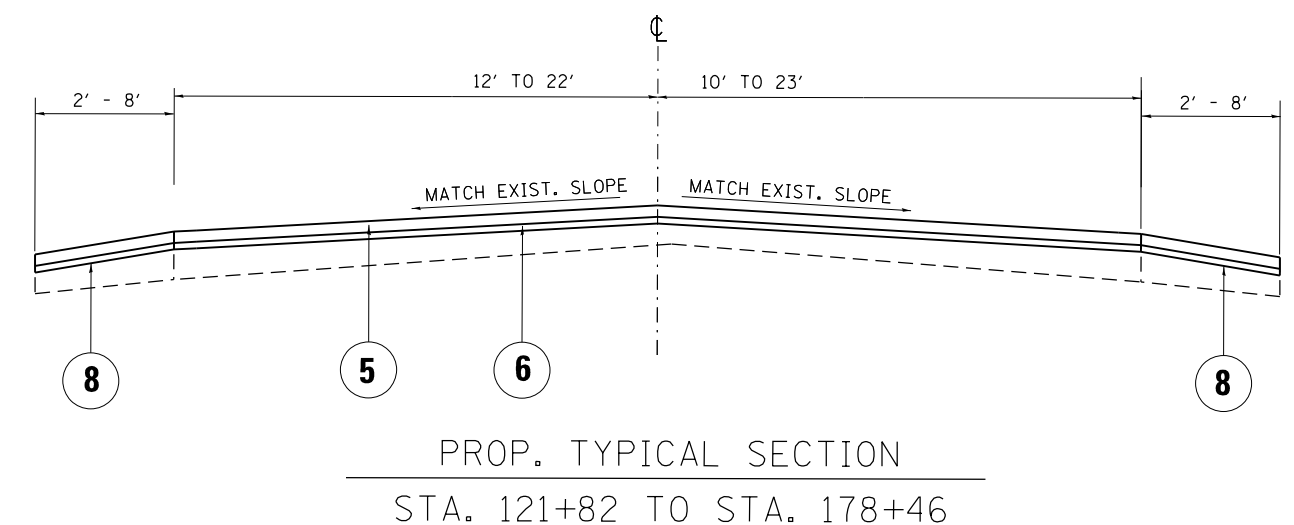
123RD STREET (MCCARTHY ROAD)



123RD STREET (MCCARTHY RD)



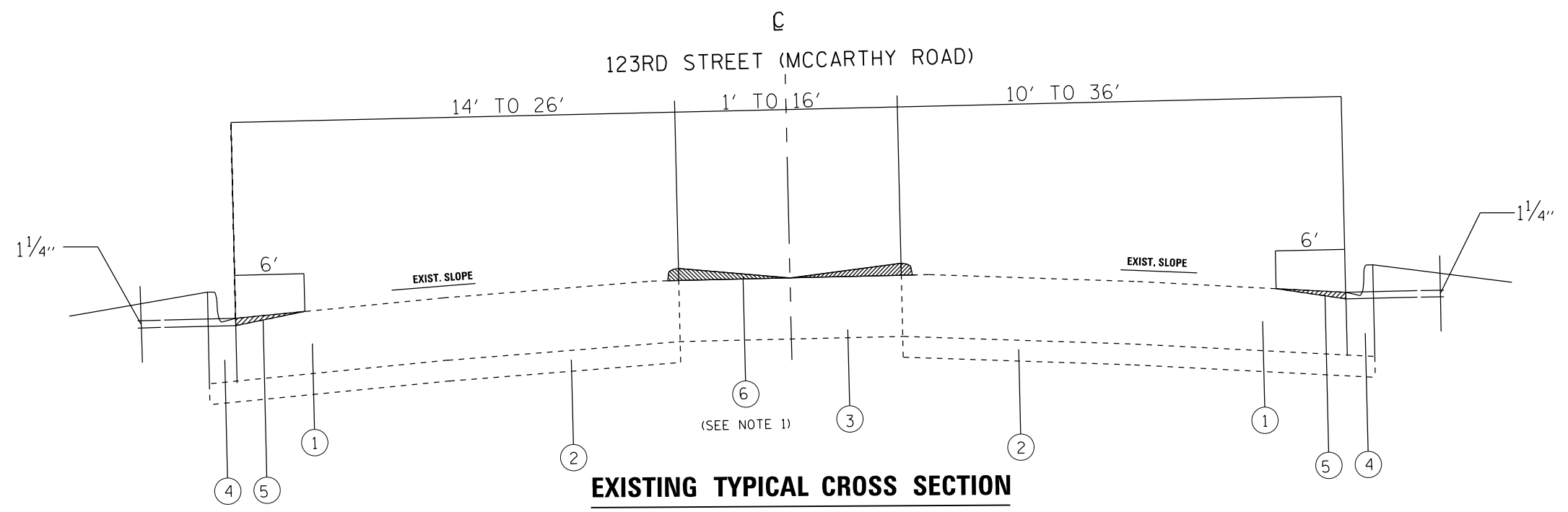
123RD STREET (MCCARTHY ROAD)



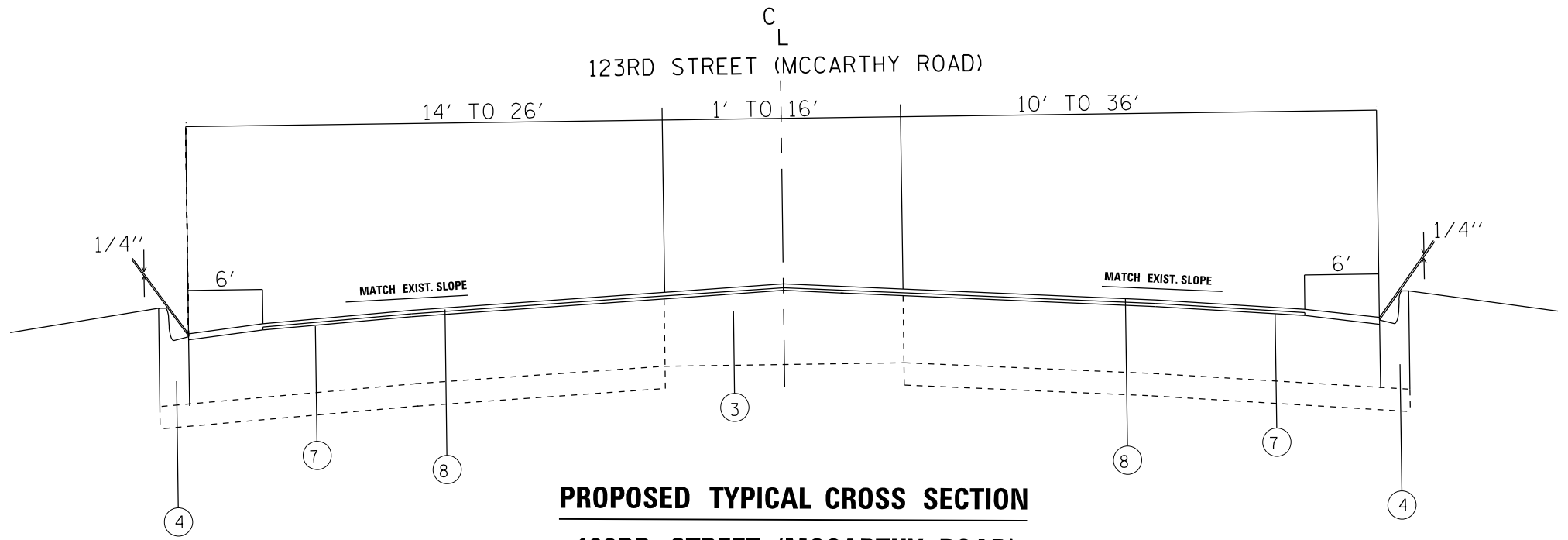
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Default	PLOT DATE = 10/28/2016	DATE -	REVISED -		CONTRACT NO. 60Y84			ILLINOIS FED. AID PROJECT			
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LEGEND

- ① EXISTING P.C.C PAVEMENT, 10"
- ② EXISTING STABILIZED SUB-BASE, 4"
- ③ EXISTING CONCRETE CORRUGATED MEDIAN
- ④ EXISTING COMB. CONCRETE CURB & GUTTER, TYPE B-6.24 (MOD)
- ⑤ P.C.C. SURFACE REMOVAL (VAR. DEPTH) (SEE BD-33)
- ⑥ MEDIAN REMOVAL, PARTIAL DEPTH
- ⑦ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑧ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 1 1/2 "



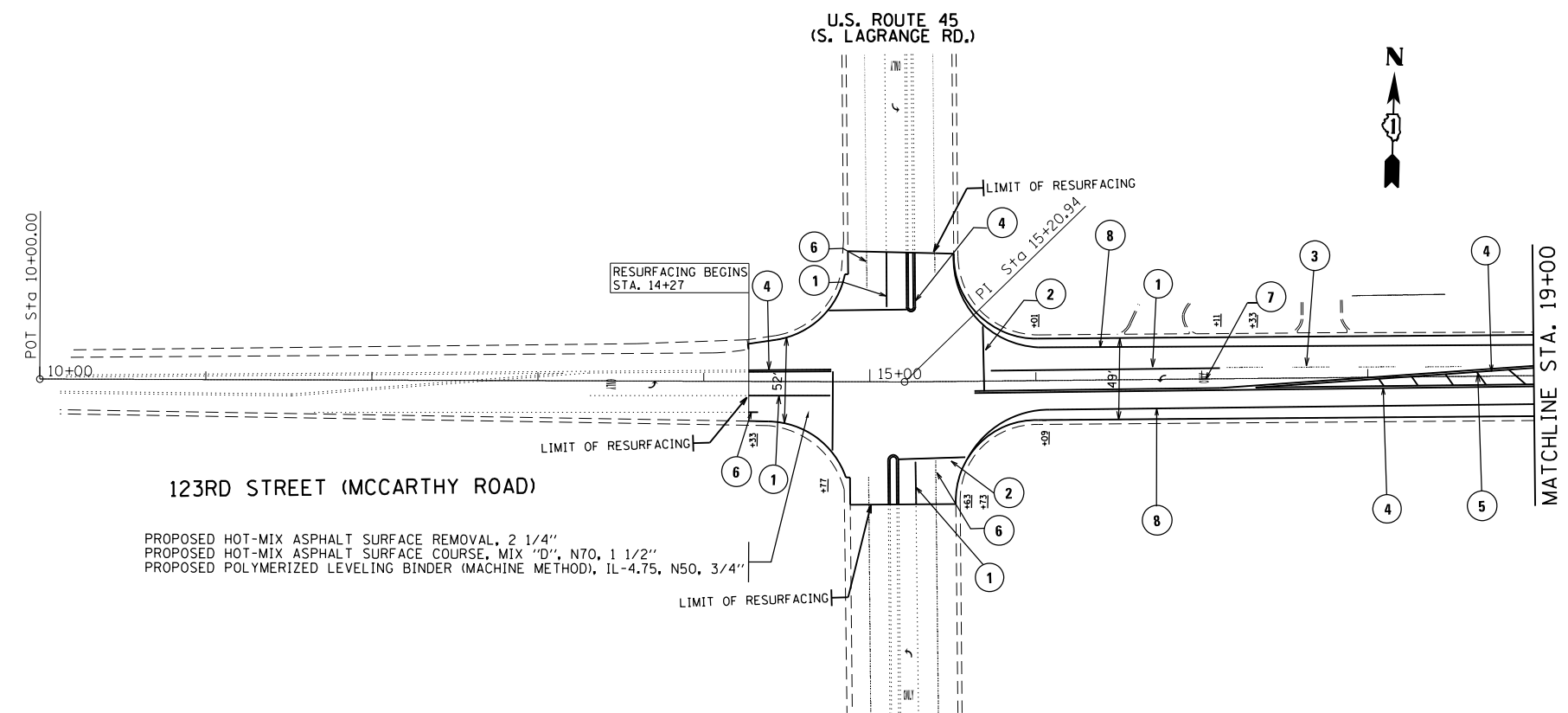
EXISTING TYPICAL CROSS SECTION
123RD STREET (MCCARTHY ROAD)
 STA. 178+46 TO STA. 186+61



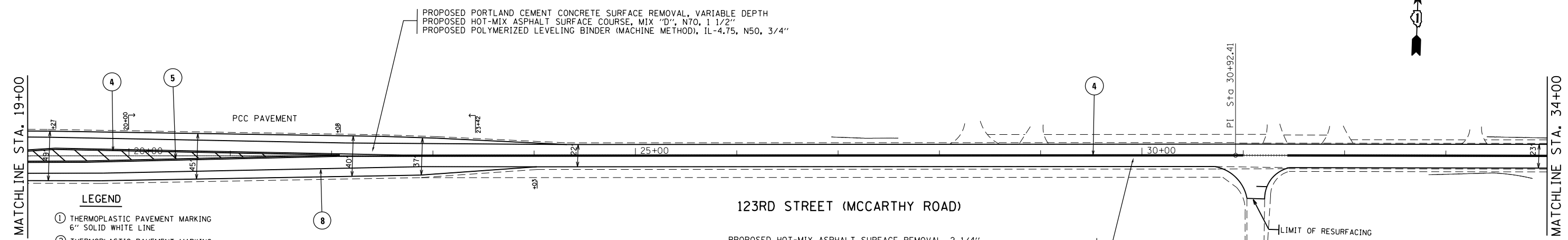
PROPOSED TYPICAL CROSS SECTION
123RD STREET (MCCARTHY ROAD)
 STA. 178+46 TO STA. 186+61

NOTE:
 1. CORRUGATED MEDIAN EXISTS BETWEEN STA. 178+46 TO STA. 186+61; MEDIAN SHALL BE REMOVED UNTIL FLUSH WITH ADJACENT EXISTING PAVEMENT PRIOR TO RESURFACING.

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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -			CONTRACT NO. 60Y84				
	PLOT DATE = 10/28/2016	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				



PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
 PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"



PROPOSED PORTLAND CEMENT CONCRETE SURFACE REMOVAL, VARIABLE DEPTH
 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
 PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"

PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
 PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"

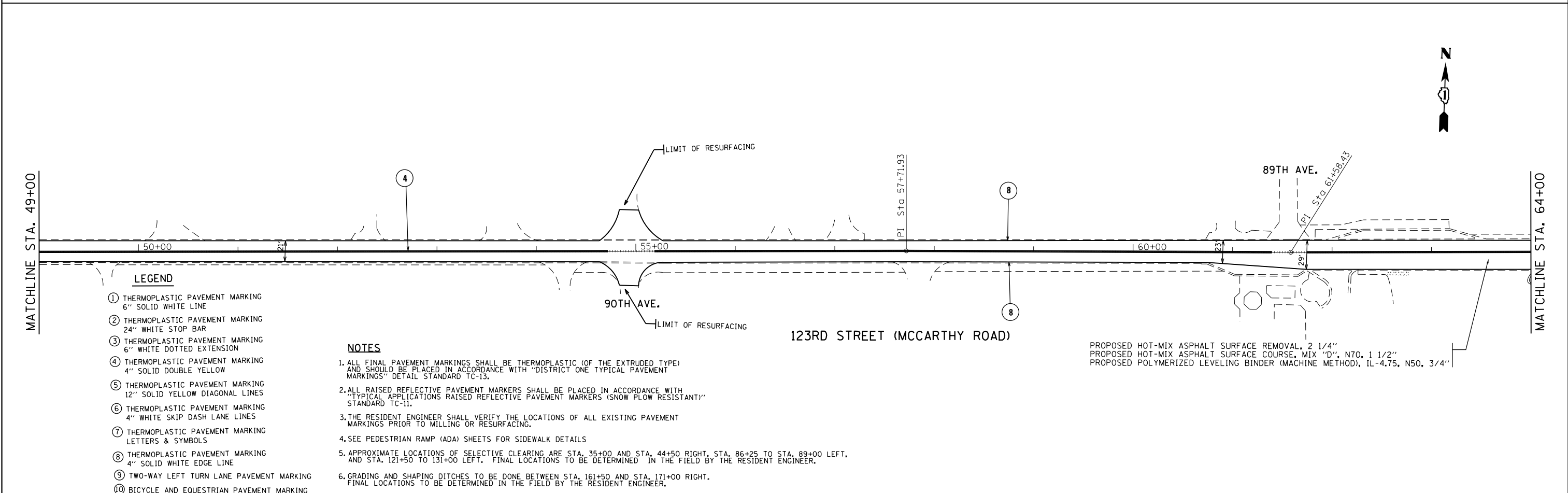
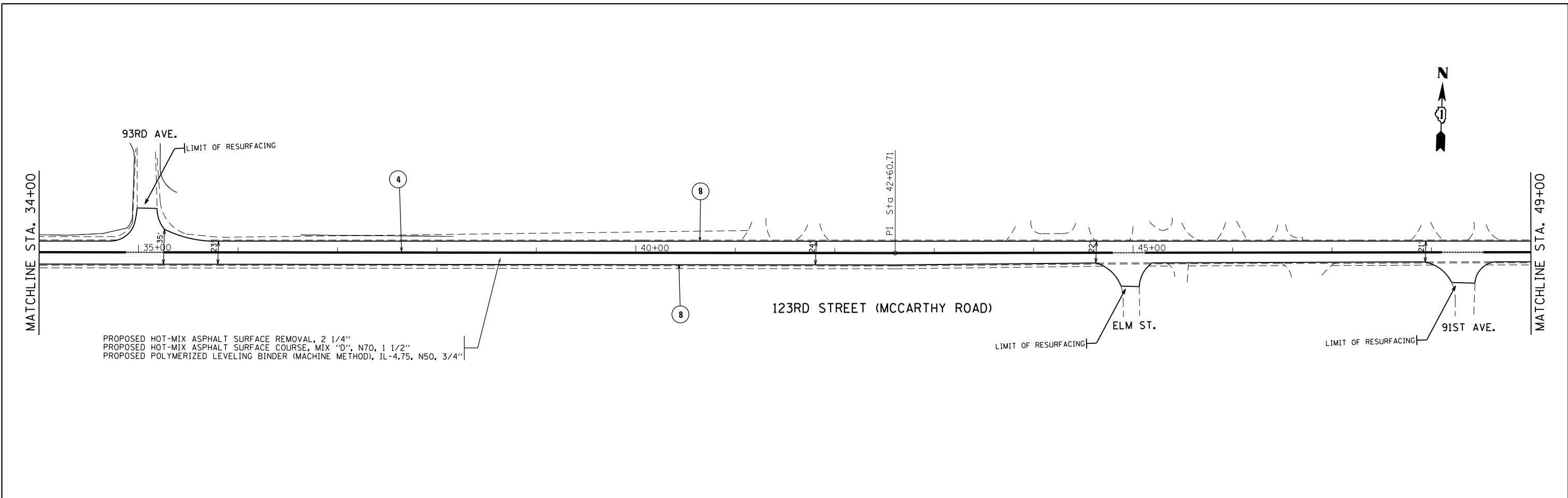
LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING
6" SOLID WHITE LINE
- ② THERMOPLASTIC PAVEMENT MARKING
24" WHITE STOP BAR
- ③ THERMOPLASTIC PAVEMENT MARKING
6" WHITE DOTTED EXTENSION
- ④ THERMOPLASTIC PAVEMENT MARKING
4" SOLID DOUBLE YELLOW
- ⑤ THERMOPLASTIC PAVEMENT MARKING
12" SOLID YELLOW DIAGONAL LINES
- ⑥ THERMOPLASTIC PAVEMENT MARKING
4" WHITE SKIP DASH LANE LINES
- ⑦ THERMOPLASTIC PAVEMENT MARKING
LETTERS & SYMBOLS
- ⑧ THERMOPLASTIC PAVEMENT MARKING
4" SOLID WHITE EDGE LINE
- ⑨ TWO-WAY LEFT TURN LANE PAVEMENT MARKING
- ⑩ BICYCLE AND EQUESTRIAN PAVEMENT MARKING

NOTES

1. ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC (OF THE EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" DETAIL STANDARD TC-13.
2. ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)" STANDARD TC-11.
3. THE RESIDENT ENGINEER SHALL VERIFY THE LOCATIONS OF ALL EXISTING PAVEMENT MARKINGS PRIOR TO MILLING OR RESURFACING.
4. SEE PEDESTRIAN RAMP (ADA) SHEETS FOR SIDEWALK DETAILS
5. APPROXIMATE LOCATIONS OF SELECTIVE CLEARING ARE STA. 35+00 AND STA. 44+50 RIGHT, STA. 86+25 TO STA. 89+00 LEFT, AND STA. 121+50 TO 131+00 LEFT. FINAL LOCATIONS TO BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.
6. GRADING AND SHAPING DITCHES TO BE DONE BETWEEN STA. 161+50 AND STA. 171+00 RIGHT. FINAL LOCATIONS TO BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.

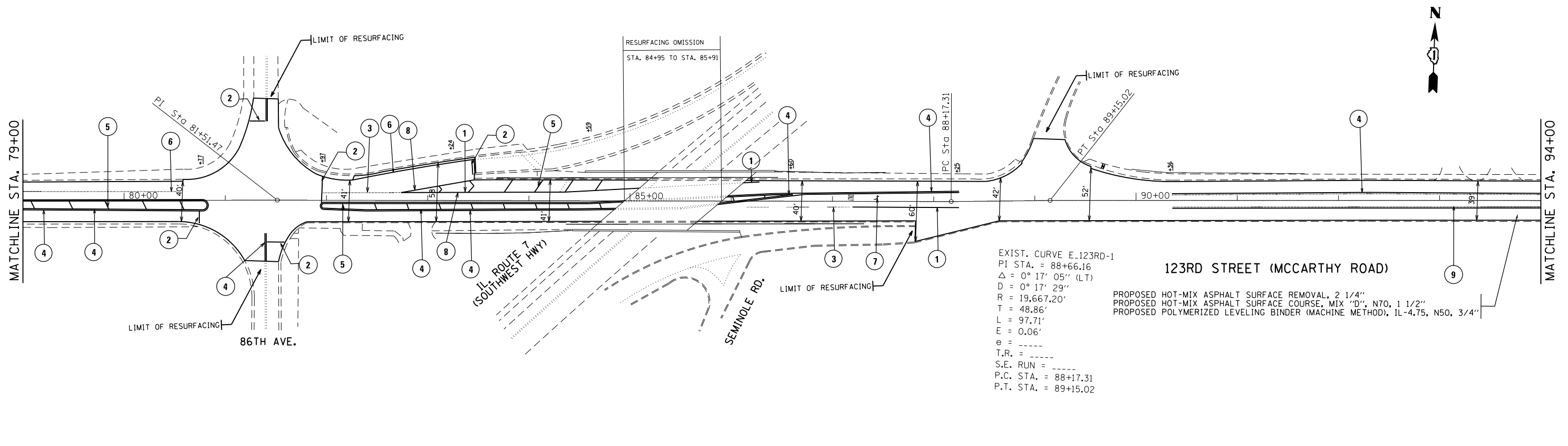
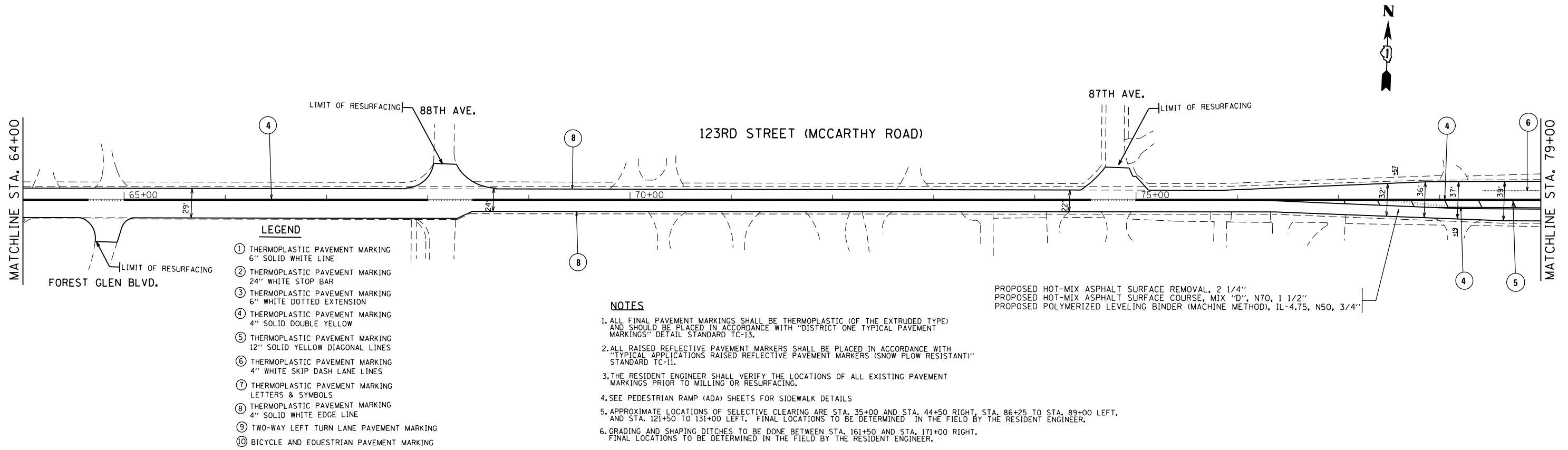
FILE NAME =	USER NAME = valledolidv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLAN 123RD STREET FROM US ROUTE 45 TO IL ROUTE 43	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI023\Drawings\Design\DI02315-sht-plen.dgn	PLLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			1587	(73&3034)RS-5	COOK	43	10	
Default	PLLOT DATE = 10/28/2016	DATE -	REVISED -			CONTRACT NO. 60Y84					
						ILLINOIS FED. AID PROJECT					



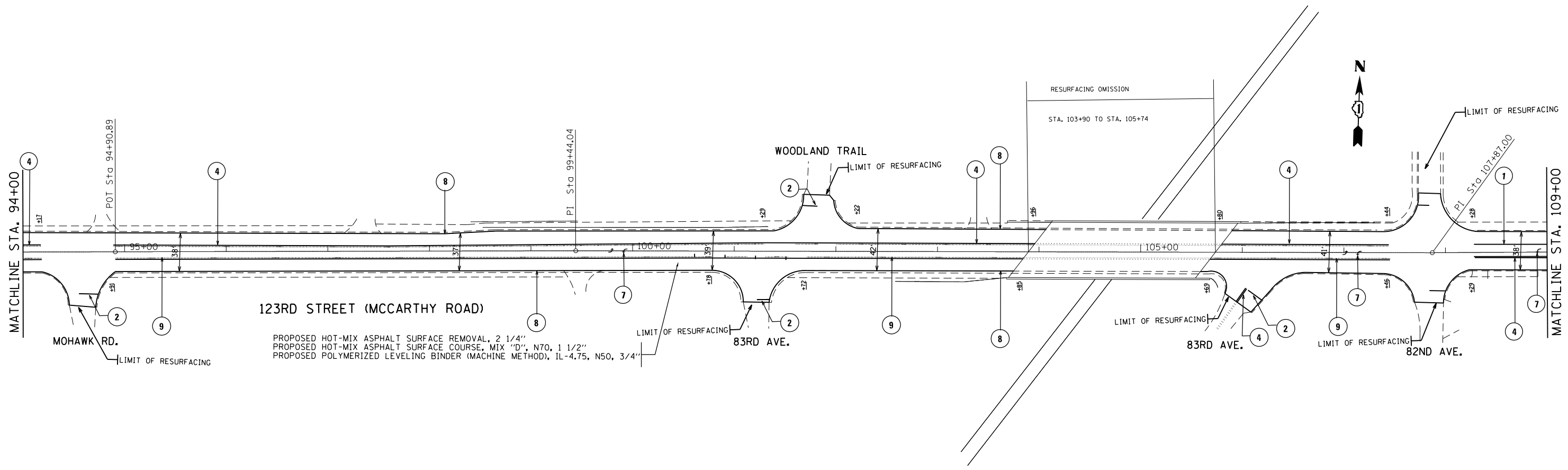
- LEGEND**
- ① THERMOPLASTIC PAVEMENT MARKING
6" SOLID WHITE LINE
 - ② THERMOPLASTIC PAVEMENT MARKING
24" WHITE STOP BAR
 - ③ THERMOPLASTIC PAVEMENT MARKING
6" WHITE DOTTED EXTENSION
 - ④ THERMOPLASTIC PAVEMENT MARKING
4" SOLID DOUBLE YELLOW
 - ⑤ THERMOPLASTIC PAVEMENT MARKING
12" SOLID YELLOW DIAGONAL LINES
 - ⑥ THERMOPLASTIC PAVEMENT MARKING
4" WHITE SKIP DASH LANE LINES
 - ⑦ THERMOPLASTIC PAVEMENT MARKING
LETTERS & SYMBOLS
 - ⑧ THERMOPLASTIC PAVEMENT MARKING
4" SOLID WHITE EDGE LINE
 - ⑨ TWO-WAY LEFT TURN LANE PAVEMENT MARKING
 - ⑩ BICYCLE AND EQUESTRIAN PAVEMENT MARKING

- NOTES**
1. ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC (OF THE EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" DETAIL STANDARD TC-13.
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 5. APPROXIMATE LOCATIONS OF SELECTIVE CLEARING ARE STA. 35+00 AND STA. 44+50 RIGHT, STA. 86+25 TO STA. 89+00 LEFT, AND STA. 121+50 TO 131+00 LEFT. FINAL LOCATIONS TO BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.
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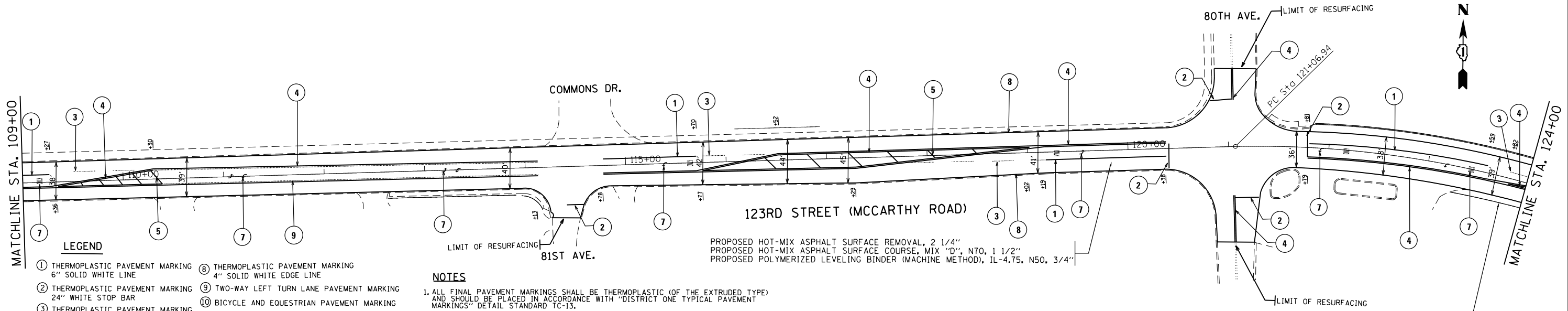
FILE NAME =	USER NAME = valledolidv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLANS 123RD STREET FROM US ROUTE 45 TO IL ROUTE 43	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI028\Drawings\Design\DI02815-sht-plan.dgn	PLotted SCALE = 100.0000' / in.	CHECKED -	REVISED -			1587	(73&3034)RS-5	COOK	43	11	
Default	PLOT DATE = 10/28/2016	DATE -	REVISED -			CONTRACT NO. 60Y84					
						ILLINOIS FED. AID PROJECT					



FILE NAME =	USER NAME = valledolidv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLAN 123RD STREET FROM US ROUTE 45 TO IL ROUTE 43	F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI028\Drawings\Design\DI02815-sht-plen.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			1587	(73&3034)RS-5	COOK	43	12	
Default	PLOT DATE = 10/28/2016	DATE -	REVISED -			CONTRACT NO. 60Y84					
						ILLINOIS FED. AID PROJECT					



123RD STREET (MCCARTHY ROAD)
 PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
 PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"



123RD STREET (MCCARTHY ROAD)
 PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
 PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"

PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
 PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"

- LEGEND**
- ① THERMOPLASTIC PAVEMENT MARKING
6" SOLID WHITE LINE
 - ② THERMOPLASTIC PAVEMENT MARKING
24" WHITE STOP BAR
 - ③ THERMOPLASTIC PAVEMENT MARKING
6" WHITE DOTTED EXTENSION
 - ④ THERMOPLASTIC PAVEMENT MARKING
4" SOLID DOUBLE YELLOW
 - ⑤ THERMOPLASTIC PAVEMENT MARKING
12" SOLID YELLOW DIAGONAL LINES
 - ⑥ THERMOPLASTIC PAVEMENT MARKING
4" WHITE SKIP DASH LANE LINES
 - ⑦ THERMOPLASTIC PAVEMENT MARKING
LETTERS & SYMBOLS
 - ⑧ THERMOPLASTIC PAVEMENT MARKING
4" SOLID WHITE EDGE LINE
 - ⑨ TWO-WAY LEFT TURN LANE PAVEMENT MARKING
 - ⑩ BICYCLE AND EQUESTRIAN PAVEMENT MARKING

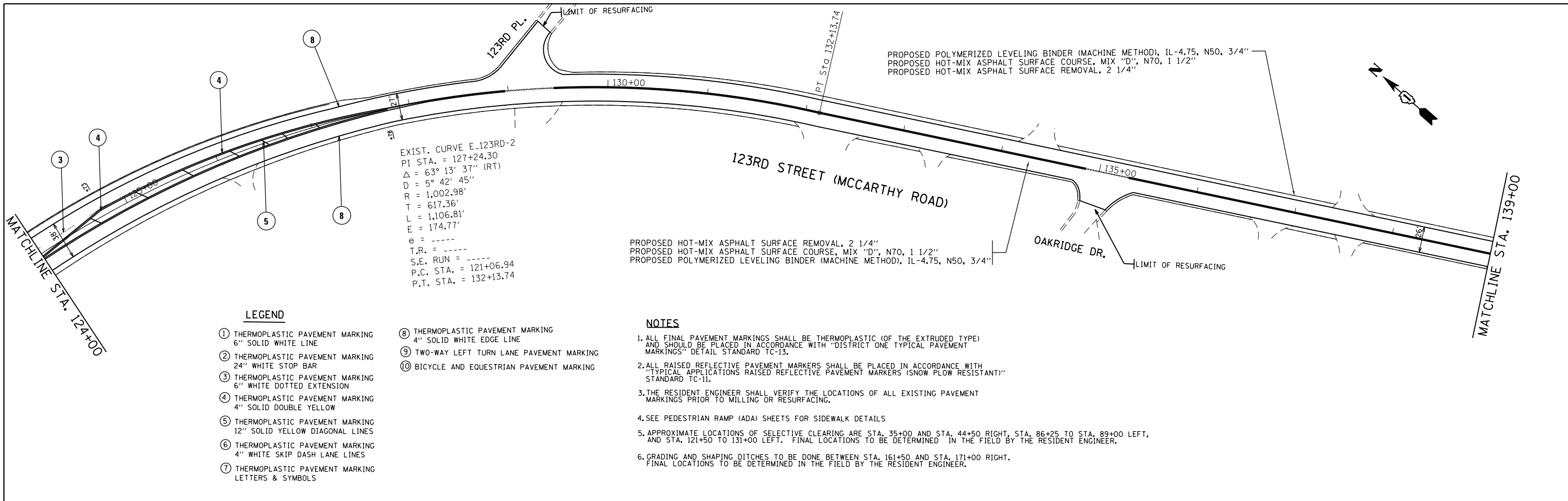
- NOTES**
1. ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC (OF THE EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" DETAIL STANDARD TC-13.
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FILE NAME =	USER NAME = valledolidv	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/28/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY AND PAVEMENT MARKING PLAN			
123RD STREET FROM US ROUTE 45 TO IL ROUTE 43			
SCALE: 1" = 50'	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	(73&3034)RS-5	COOK	43	13
CONTRACT NO. 60Y84				
ILLINOIS FED. AID PROJECT				



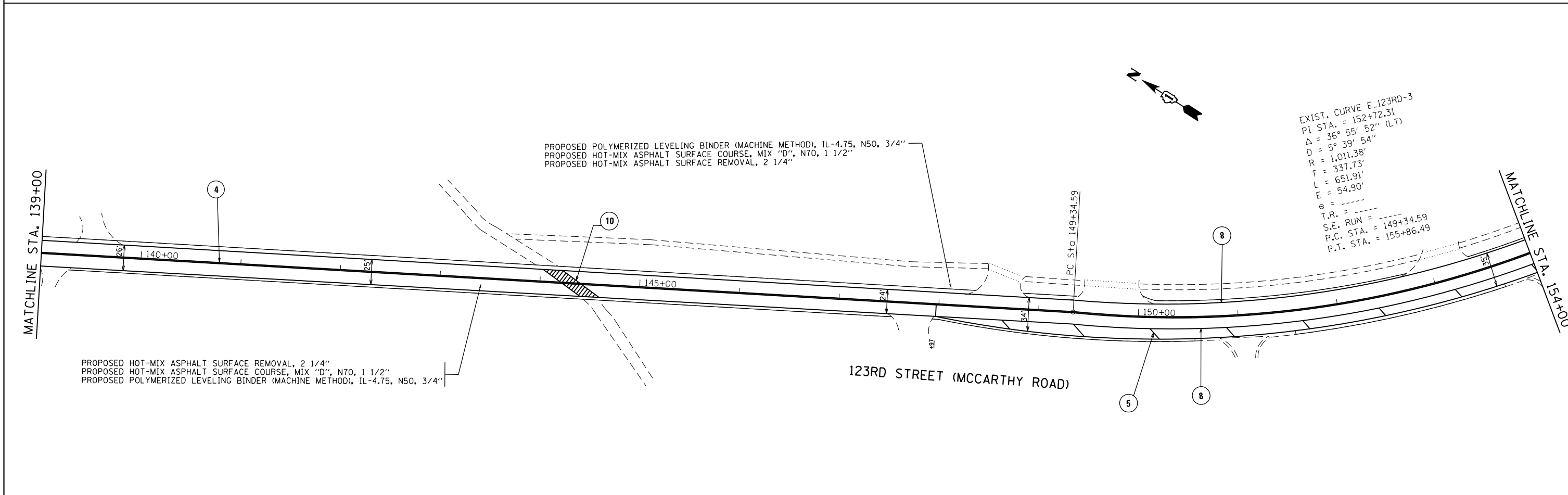
EXIST. CURVE E.123RD-2
 PI STA. = 127+24.30
 $\Delta = 63^\circ 13' 37''$ (RT)
 $D = 5^\circ 42' 45''$
 $R = 1,002.98'$
 $T = 617.36'$
 $L = 1,106.81'$
 $E = 174.77'$
 $e = \text{---}$
 T.R. = ---
 S.E. RUN = ---
 P.C. STA. = 121+06.94
 P.T. STA. = 132+13.74

LEGEND

- | | |
|---|--|
| ① THERMOPLASTIC PAVEMENT MARKING
6" SOLID WHITE LINE | ⑧ THERMOPLASTIC PAVEMENT MARKING
4" SOLID WHITE EDGE LINE |
| ② THERMOPLASTIC PAVEMENT MARKING
24" WHITE STOP BAR | ⑨ TWO-WAY LEFT TURN LANE PAVEMENT MARKING |
| ③ THERMOPLASTIC PAVEMENT MARKING
6" WHITE DOTTED EXTENSION | ⑩ BICYCLE AND EQUESTRIAN PAVEMENT MARKING |
| ④ THERMOPLASTIC PAVEMENT MARKING
4" SOLID DOUBLE YELLOW | |
| ⑤ THERMOPLASTIC PAVEMENT MARKING
12" SOLID YELLOW DIAGONAL LINES | |
| ⑥ THERMOPLASTIC PAVEMENT MARKING
4" WHITE SKIP DASH LANE LINES | |
| ⑦ THERMOPLASTIC PAVEMENT MARKING
LETTERS & SYMBOLS | |

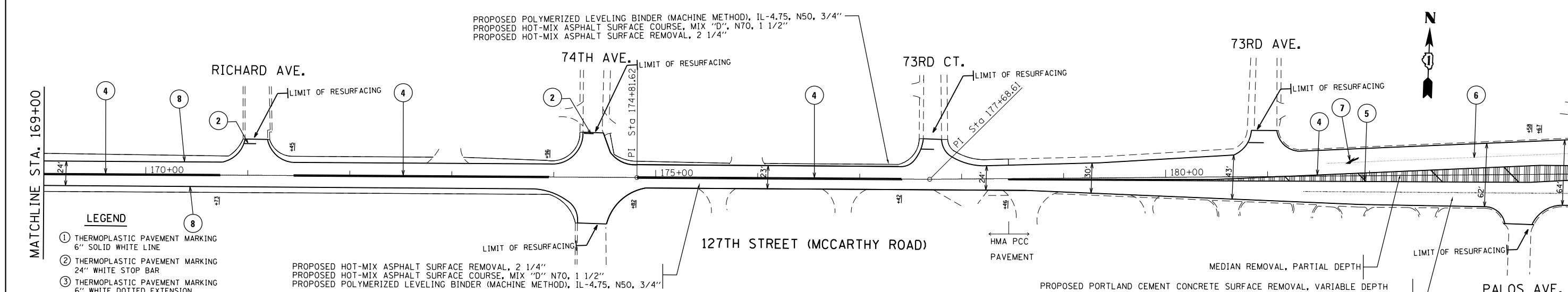
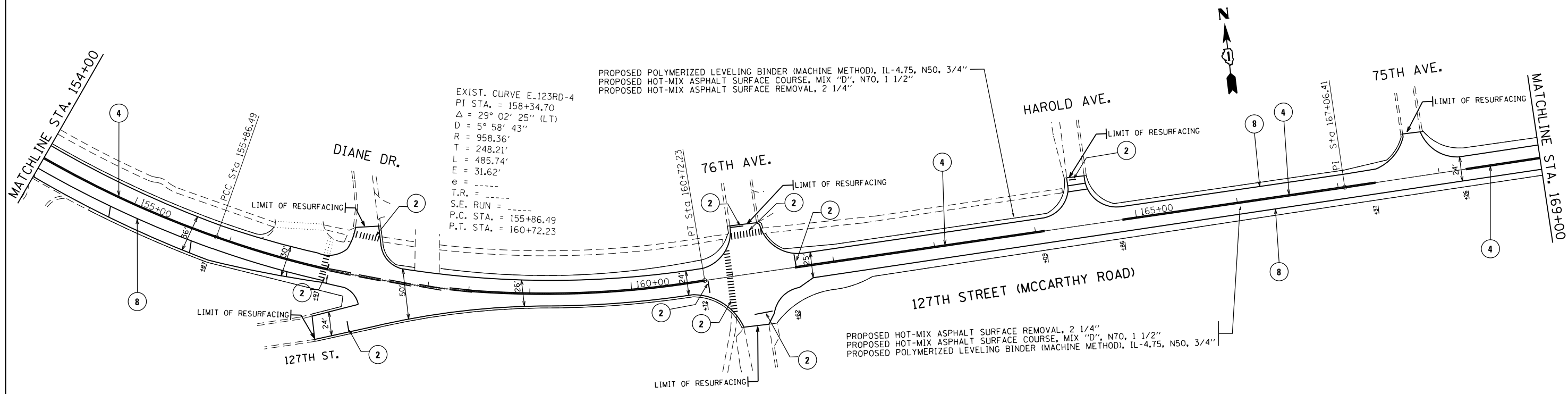
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EXIST. CURVE E.123RD-3
 PI STA. = 152+72.31
 $\Delta = 36^\circ 55' 52''$ (LT)
 $D = 5^\circ 39' 54''$
 $R = 1,011.38'$
 $T = 337.73'$
 $L = 651.91'$
 $E = 54.90'$
 $e = \text{---}$
 T.R. = ---
 S.E. RUN = ---
 P.C. STA. = 149+34.59
 P.T. STA. = 155+86.49

FILE NAME =	USER NAME = valledolidv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLAN 123RD STREET FROM US ROUTE 45 TO IL ROUTE 43	F.A.U. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw\l\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\1028\Drawings\Design\102815-sht-plen.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			1587	(73&3034)RS-5	COOK	43	14	
Default	PLOT DATE = 10/28/2016	DATE -	REVISED -			CONTRACT NO. 60Y84					
						ILLINOIS FED. AID PROJECT					



LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING
6" SOLID WHITE LINE
- ② THERMOPLASTIC PAVEMENT MARKING
24" WHITE STOP BAR
- ③ THERMOPLASTIC PAVEMENT MARKING
6" WHITE DOTTED EXTENSION
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LETTERS & SYMBOLS
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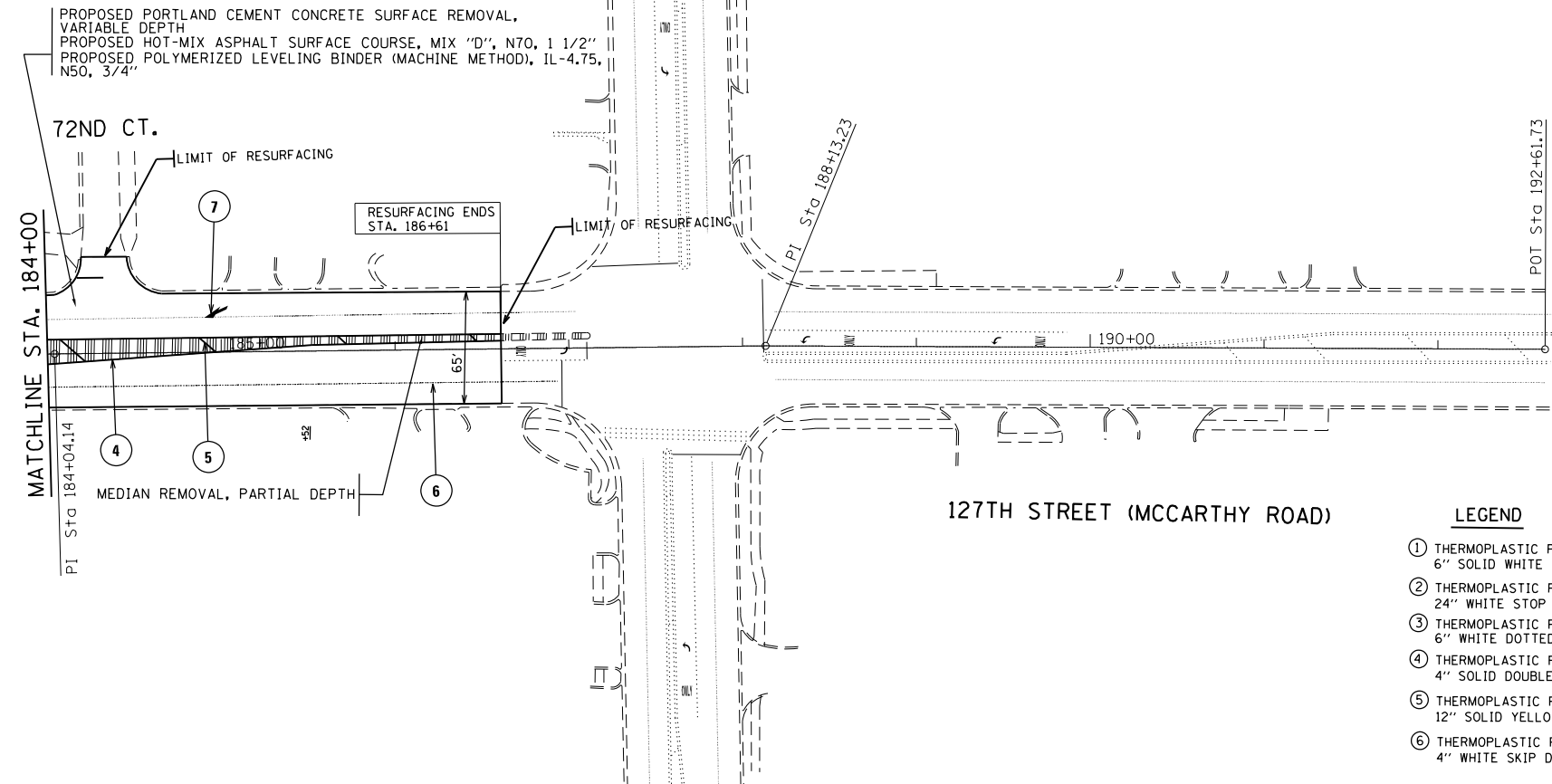
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FILE NAME =	USER NAME = valledolidv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLAN 123RD STREET FROM US ROUTE 45 TO IL ROUTE 43	F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw\1\084EBIDINTEG\illinois.gov\PIWID\Documents\DOT Offices\District 1\Projects\123RD\123RD\Design\123RD-5-sht-plen.dgn	PLotted SCALE = 100.0000' / in.	CHECKED -	REVISED -			1587	(73&3034)RS-5	COOK	43	15	
Default	PLOT DATE = 10/29/2016	DATE -	REVISED -			CONTRACT NO. 60Y84					
						ILLINOIS FED. AID PROJECT					

IL. ROUTE 43
(HARLEM AVE.)



NOTES

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LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING
6" SOLID WHITE LINE
- ② THERMOPLASTIC PAVEMENT MARKING
24" WHITE STOP BAR
- ③ THERMOPLASTIC PAVEMENT MARKING
6" WHITE DOTTED EXTENSION
- ④ THERMOPLASTIC PAVEMENT MARKING
4" SOLID DOUBLE YELLOW
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4" SOLID WHITE EDGE LINE
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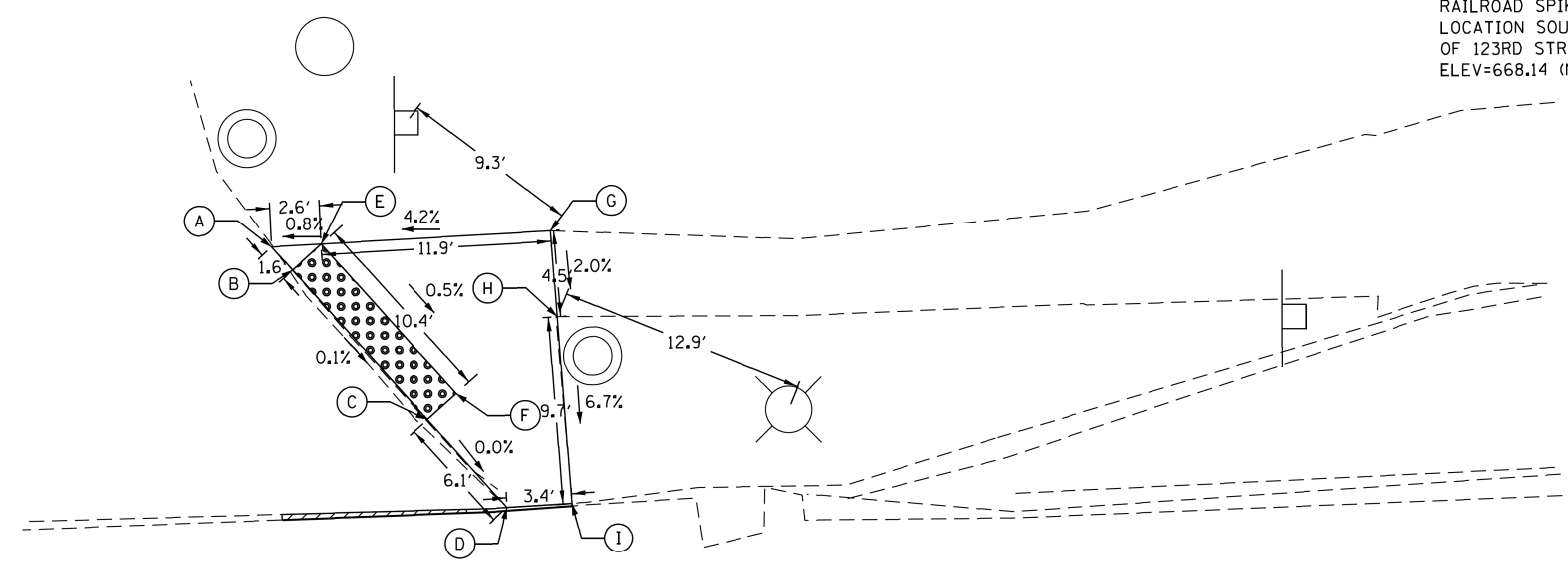
FILE NAME =	USER NAME = valledolidv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLAN 123RD STREET FROM US ROUTE 45 TO IL ROUTE 43	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI028\Drawings\Design\DI02815-sht-plan.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			1587	(73&3034)RS-5	COOK	43	16	
Default	PLOT DATE = 10/28/2016	DATE -	REVISED -			CONTRACT NO. 60Y84					
						SCALE: 1" = 50'	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		

89TH AVENUE

BENCHMARK:
RAILROAD SPIKE IN POWER POLE
LOCATION SOUTHEAST OF INTERSECTION
OF 123RD STREET AND 89TH AVENUE
ELEV=668.14 (NAVD 88)



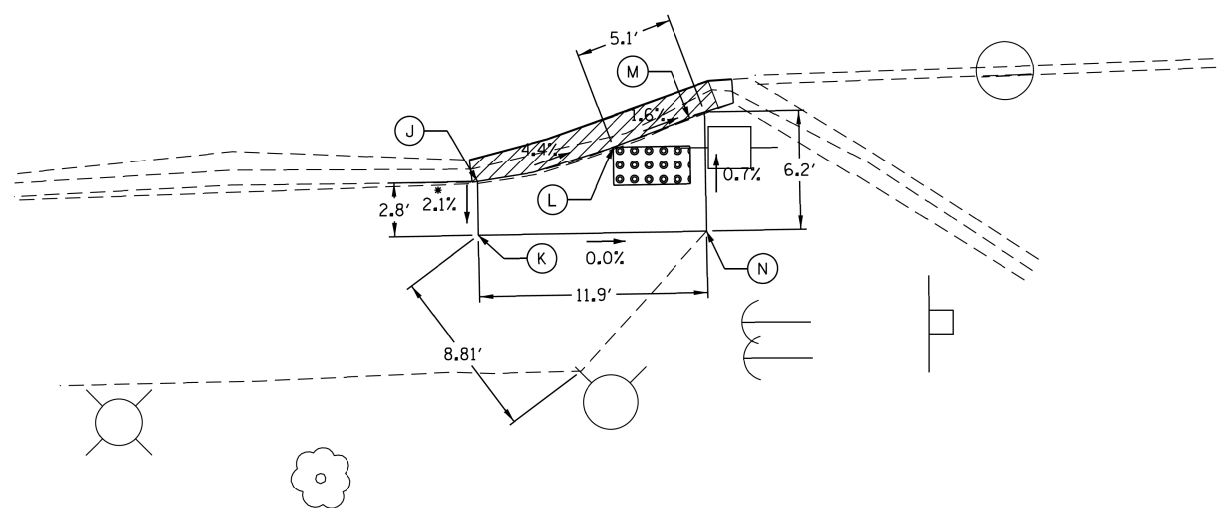
POINT	ELEV	NOTE
A	667.95	MATCH
B	667.94	MATCH
C	667.93	MATCH
D	667.93	MATCH
E	667.97	TW
F	667.92	TW
G	668.47	MATCH
H	668.58	MATCH
I	667.93	MATCH
J	667.83	MATCH
K	667.77	TW
L	667.51	TW=TC
M	667.58	TW=TC
N	667.62	MATCH



LEGEND

- (A) POINT
- DETECTABLE WARNINGS
- CURB DEPRESSION
- SIDEWALK REMOVAL
REPLACE W/ TOPSOIL AND SOD
- TW PROPOSED TOP-OF-WALK ELEVATION
- TC PROPOSED TOP-OF-CURB ELEVATION
- EOP PROPOSED EDGE-OF-PAVEMENT ELEVATION
- MATCH MATCH EXISTING ELEVATION

123RD STREET



▪ EX. SIDEWALK CROSS SLOPE
EXCEEDS 2.0% AT LIMIT

COMPANY NAME: HRGreen
PROJECT CONTACT: bhartma
CLIENT: HRGreen
DATE PLOTTED: 10/25/2016 2:48:59 PM
FILE NAME: D:\60784-sht-sw-ramps_PALOSPARK.dwg
PLOT DRIVER: IL_Pdf_writer.ctb
PEN TABLE: plot.tbl



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FILE NAME = D:\60784-sht-sw-ramps_PALOSPARK.dwg	DRAWN - DMS	REVISED -
PLOT SCALE = 1" = 10'	CHECKED -	REVISED -
PLOT DATE = 10/25/2016	DATE - 10/25/16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS
123RD STREET

SCALE: 1" = 10' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	(73&3034)RS-5	COOK	43	17
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60YB4	

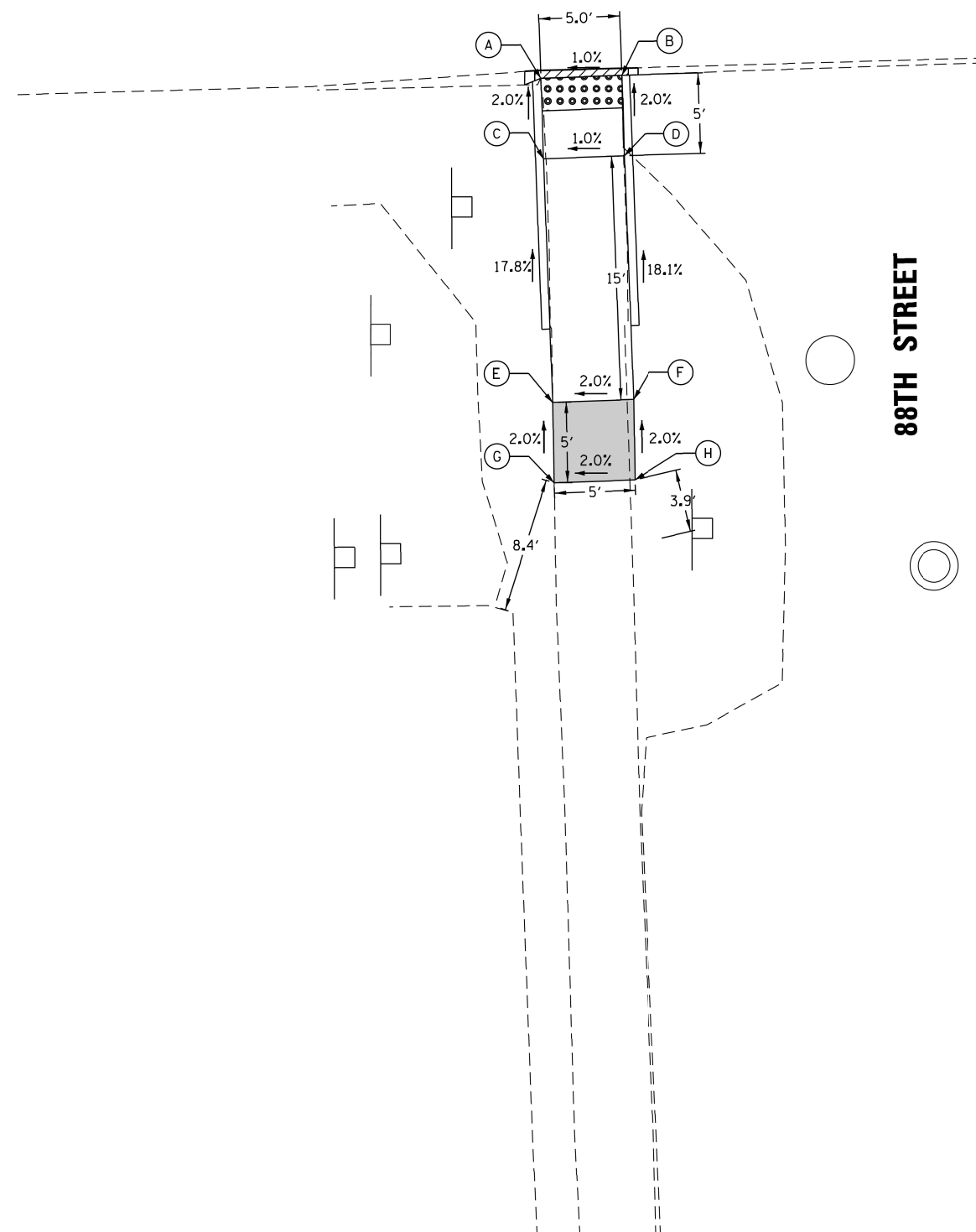
POINT	ELEV	NOTE
A	694.48	MATCH
B	694.53	MATCH
C	694.58	TW
D	694.63	TW
E	697.25	TW
F	697.35	TW
G	697.35	MATCH
H	697.45	MATCH



BENCHMARK:
 CUT "X" IN SIDEWALK LOCATED 24.0'
 WEST OF C 88TH STREET AND 159.6'
 SOUTH OF C 123RD STREET
 ELEV=704.45 (NAVD 88)

123RD STREET

88TH STREET



LEGEND

- (A) POINT
- DETECTABLE WARNINGS
- CURB DEPRESSION
- SIDEWALK REMOVAL
REPLACE W/ TOPSOIL AND SOD
- TW PROPOSED TOP-OF-WALK ELEVATION
- TC PROPOSED TOP-OF-CURB ELEVATION
- EOP PROPOSED EDGE-OF-PAVEMENT ELEVATION
- MATCH MATCH EXISTING ELEVATION

COMPANY NAME: HRGreen
 PROJECT CONTACT: #PROJECT_CONTACT#
 CLIENT: #CLIENT#
 DATE PLOTTED: 10/25/2016 2:49:04 PM
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 PLOT DRIVER: IL_Pdf_bw.plt
 PEN TABLE: plottbl.tbl



USER NAME = bhar.tma	DESIGNED - BH	REVISED -
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PLOT SCALE = 1" = 10'	CHECKED -	REVISED -
PLOT DATE = 10/25/2016	DATE - 10/25/16	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

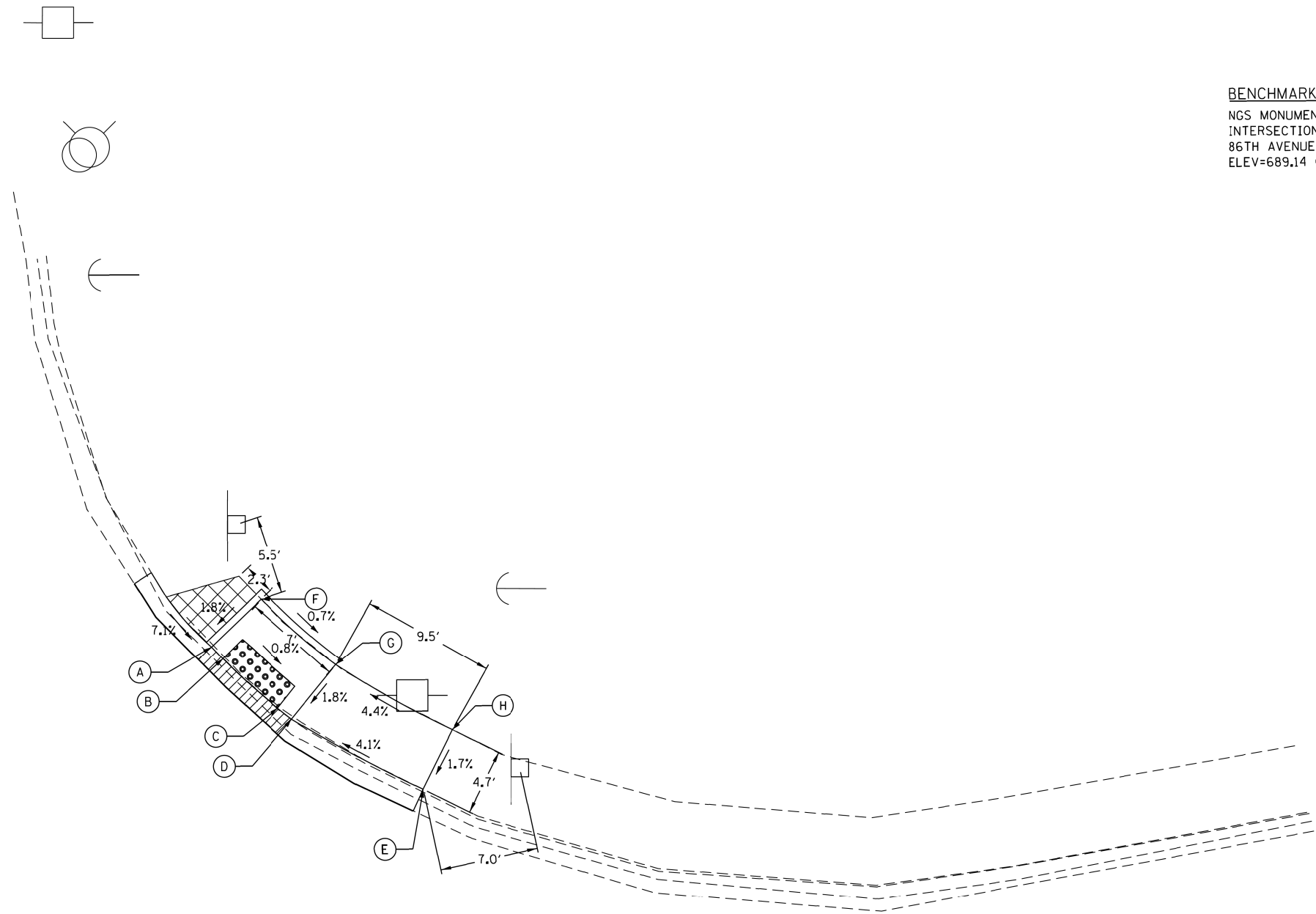
**SIDEWALK RAMP DETAILS
 123RD STREET**

SCALE: 1" = 10' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	(73&3034)RS-5	COOK	43	18
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60YB4	

86TH AVENUE

123RD STREET



BENCHMARK:
 NGS MONUMENT LOCATED AT THE
 INTERSECTION OF 123RD STREET AND
 86TH AVENUE
 ELEV=689.14 (NAVD 88)



POINT	ELEV	NOTE
A	688.74	MATCH
B	688.74	TW=TC
C	688.70	TW=TC
D	688.69	TW=TC
E	689.12	TW=TC
F	688.83	TW
G	688.78	TW
H	689.20	TW

LEGEND

- (A) POINT
- DETECTABLE WARNINGS
- CURB DEPRESSION
- SIDEWALK REMOVAL
REPLACE W/ TOPSOIL AND SOD
- TW PROPOSED TOP-OF-WALK ELEVATION
- TC PROPOSED TOP-OF-CURB ELEVATION
- EOP PROPOSED EDGE-OF-PAVEMENT ELEVATION
- MATCH MATCH EXISTING ELEVATION

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: bhartma
 CLIENT: HRGreen.com
 DATE PLOTTED: 10/25/2016 2:49:08 PM
 FILE NAME: D:\60184-shr-swramps_PALOSPARK_03.dgn
 PLOT DRIVER: IL_Pdf_bw.plt
 PEN TABLE: plottbl.tbl

HRGreen.com
 Illinois Professional Design Firm
 # 184-001322

USER NAME = bhartma	DESIGNED - BH	REVISED -
FILE NAME = D:\60184-shr-swramps_PALOSPARK_03.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = 1" = 10'	CHECKED -	REVISED -
PLOT DATE = 10/25/2016	DATE - 10/25/16	REVISED -

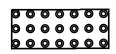

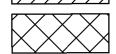
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SIDEWALK RAMP DETAILS
 123RD STREET**

SCALE: 1" = 10' SHEET NO. OF SHEETS STA. TO STA.

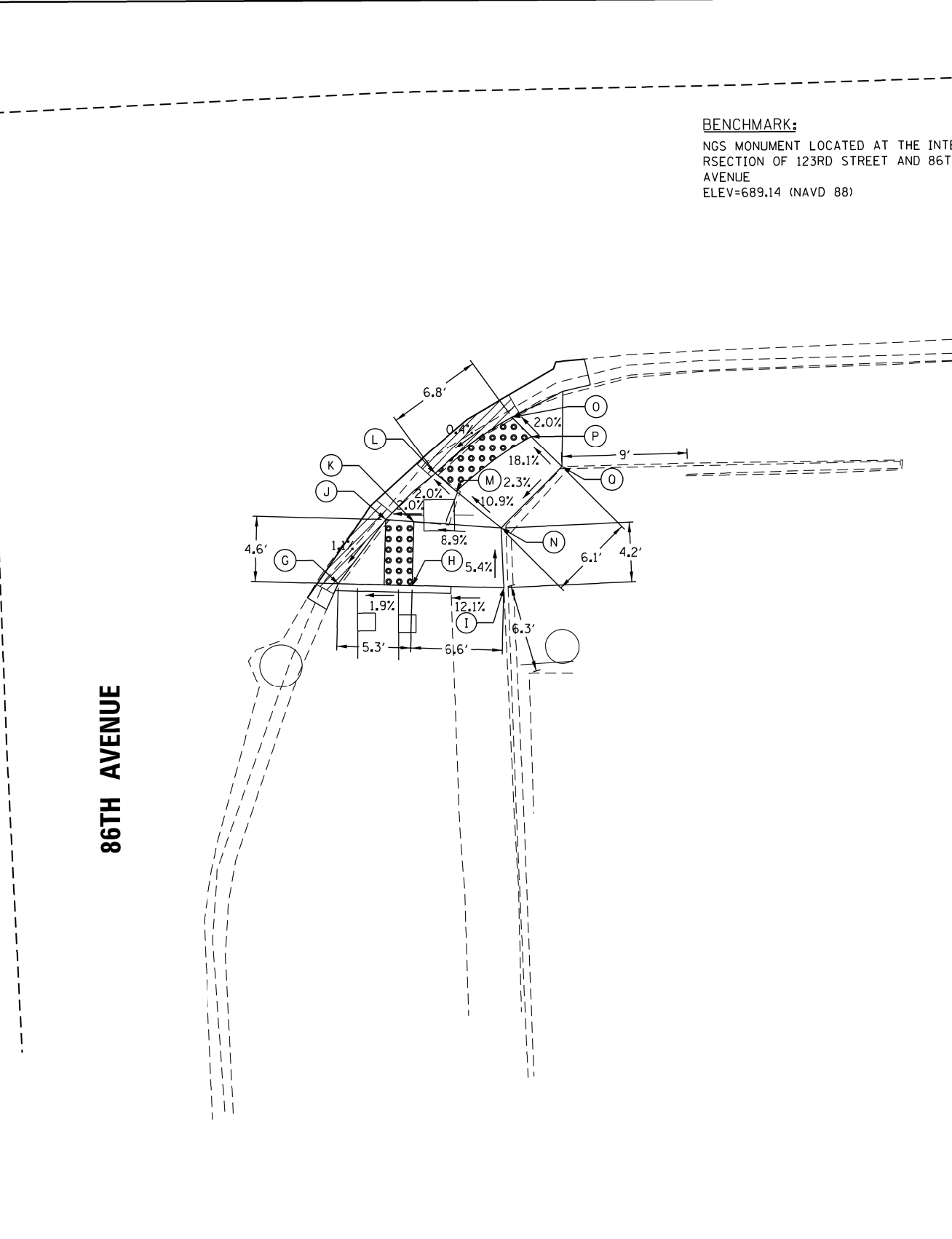
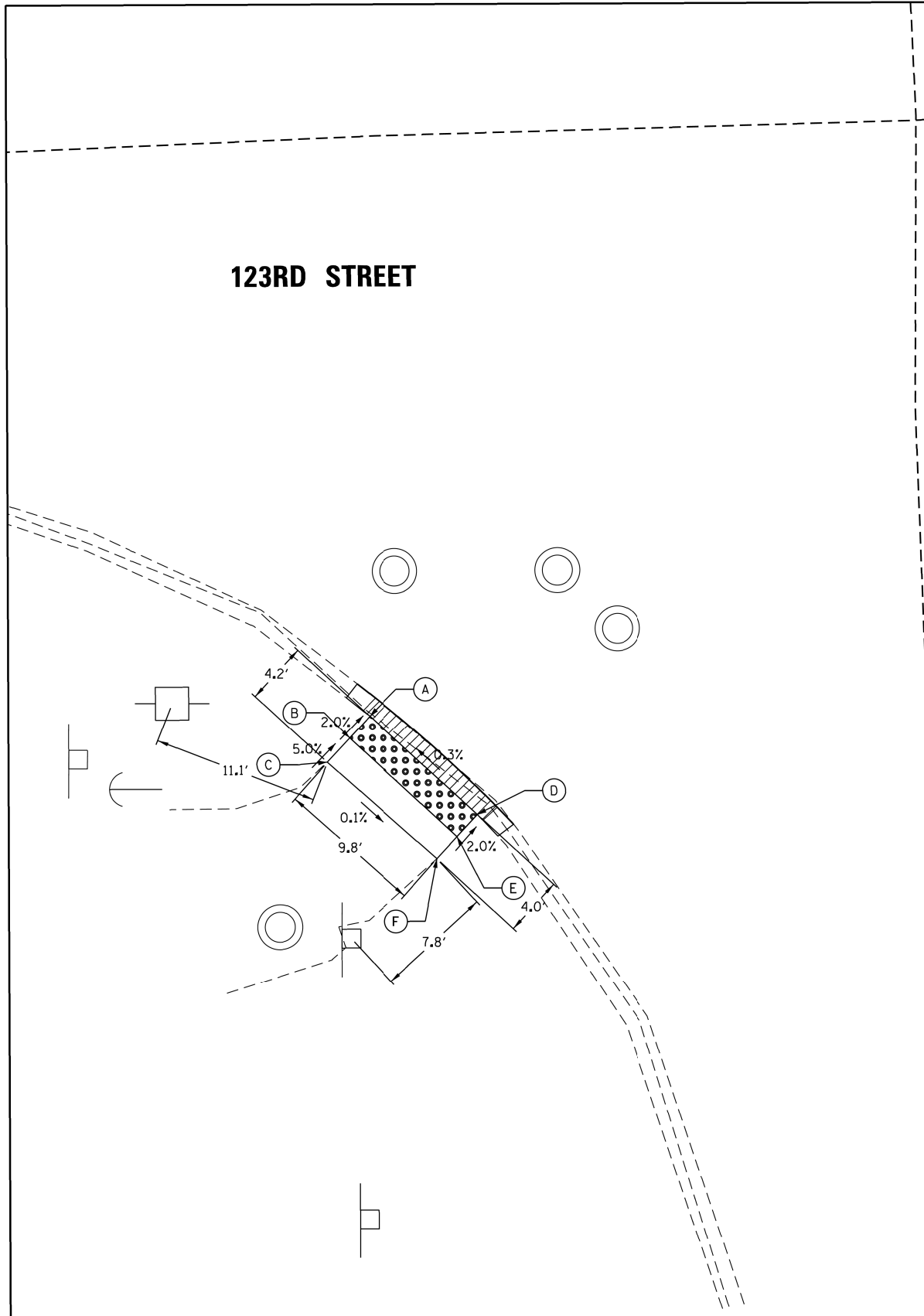
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	(73&3034)RS-5	COOK	43	19
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60YB4	

POINT	ELEV	NOTE
A	688.44	TW=TC
B	688.48	TW
C	688.59	MATCH
D	688.47	TW=TC
E	688.51	TW
F	688.58	MATCH
G	688.32	TW=TC
H	688.42	TW
I	689.21	MATCH
J	688.38	TW=TC
K	688.42	TW
L	688.47	TW=TC
M	688.51	TW
N	688.98	MATCH
O	688.50	TW=TC
P	688.54	TW
Q	689.12	MATCH

- LEGEND**
- (A) POINT
 -  DETECTABLE WARNINGS
 -  CURB DEPRESSION
 -  SIDEWALK REMOVAL
REPLACE W/ TOPSOIL AND SOD
 - TW PROPOSED TOP-OF-WALK ELEVATION
 - TC PROPOSED TOP-OF-CURB ELEVATION
 - EOP PROPOSED EDGE-OF-PAVEMENT ELEVATION
 - MATCH MATCH EXISTING ELEVATION



BENCHMARK:
 NGS MONUMENT LOCATED AT THE INTERSECTION OF 123RD STREET AND 86TH AVENUE
 ELEV=689.14 (NAVD 88)



86TH AVENUE

123RD STREET

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: #184-001322
 CLIENT: #184-001322
 DATE PLOTTED: 10/25/2016 2:49:13 PM
 FILE NAME: D:\60184-shr-swr-amps_PALOSPARK\DRAWING\184-001322-11.dwg
 PLOT DRIVER: IL_Pdf_writer.ctb
 PEN TABLE: plot.tbl

HRGreen.com
 Illinois Professional Design Firm
 # 184-001322

USER NAME = bhartha	DESIGNED - BH	REVISED -
FILE NAME = D:\60184-shr-swr-amps_PALOSPARK\DRAWING\184-001322-11.dwg	CHECKED - DMS	REVISED -
PLOT SCALE = 1" = 10'	CHECKED -	REVISED -
PLOT DATE = 10/25/2016	DATE - 10/25/16	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SIDEWALK RAMP DETAILS
 123RD STREET**

SCALE: 1" = 10' SHEET NO. OF SHEETS STA. TO STA.

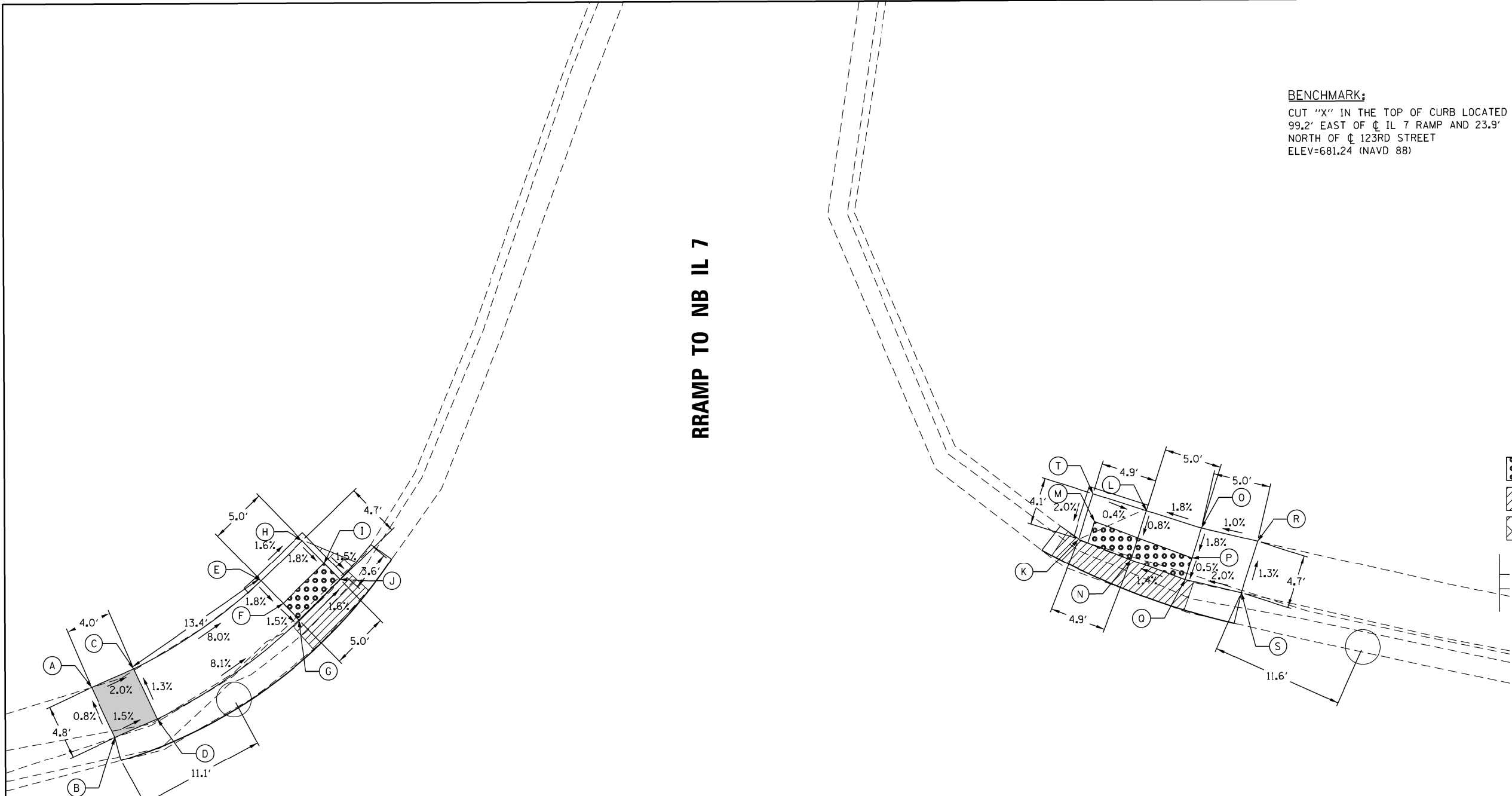
F.A.U. RTE. 1587	SECTION (73&3034)RS-5	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 20
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 60YB4				

POINT	ELEV	NOTE
A	681.56	MATCH
B	681.60	MATCH
C	681.48	TW
D	681.54	TW=TC
E	680.41	TW
F	680.36	TW
G	680.33	TW=TC
H	680.33	TW
I	688.28	TW
J	680.25	TW=TC
K	679.92	TW=TC
L	679.98	TW
M	679.95	TW
N	679.94	TW=TC
O	680.07	TW
P	680.02	TW
Q	680.01	TW=TC
R	680.12	MATCH
S	680.18	MATCH
T	680.00	TW

BENCHMARK:
 CUT "X" IN THE TOP OF CURB LOCATED
 99.2' EAST OF CL IL 7 RAMP AND 23.9'
 NORTH OF CL 123RD STREET
 ELEV=681.24 (NAVD 88)



RRAMP TO NB IL 7



LEGEND

- (A) POINT
- DETECTABLE WARNINGS
- CURB DEPRESSION
- SIDEWALK REMOVAL
REPLACE W/ TOPSOIL AND SOD
- TW PROPOSED TOP-OF-WALK ELEVATION
- TC PROPOSED TOP-OF-CURB ELEVATION
- EOP PROPOSED EDGE-OF-PAVEMENT ELEVATION
- MATCH MATCH EXISTING ELEVATION

123RD STREET

COMPANY NAME: HRGreen
 PROJECT CONTACT: #PROJECT_CONTACT#
 CLIENT: #CLIENT#
 DATE PLOTTED: 10/25/2016 2:49:17 PM
 FILE NAME: D:\60184-shr-swramps_PALOSPARK.dwg
 PLOT DRIVER: IL_Pdf_bw.plt
 PEN TABLE: plottbl.tbl



USER NAME = bhartha	DESIGNED - BH	REVISED -
FILE NAME = D:\60184-shr-swramps_PALOSPARK.dwg	CHECKED - DMS	REVISED -
PLOT SCALE = 1" = 10'	CHECKED -	REVISED -
PLOT DATE = 10/25/2016	DATE - 10/25/16	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SIDEWALK RAMP DETAILS
 123RD STREET**

SCALE: 1" = 10' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE. 1587	SECTION (73&3034)RS-5	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 21
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 60Y84		

POINT	ELEV	NOTE
A	682.62	MATCH
B	682.48	MATCH
C	682.47	TW
D	682.42	TW
E	682.41	TW=TC
F	682.44	TW
G	682.40	TW=TC
H	682.72	TW=TC
I	682.41	TW=TC
J	682.39	TW
K	682.37	TW
L	682.33	TW
M	682.29	TW=TC
N	682.63	MATCH
O	682.71	MATCH



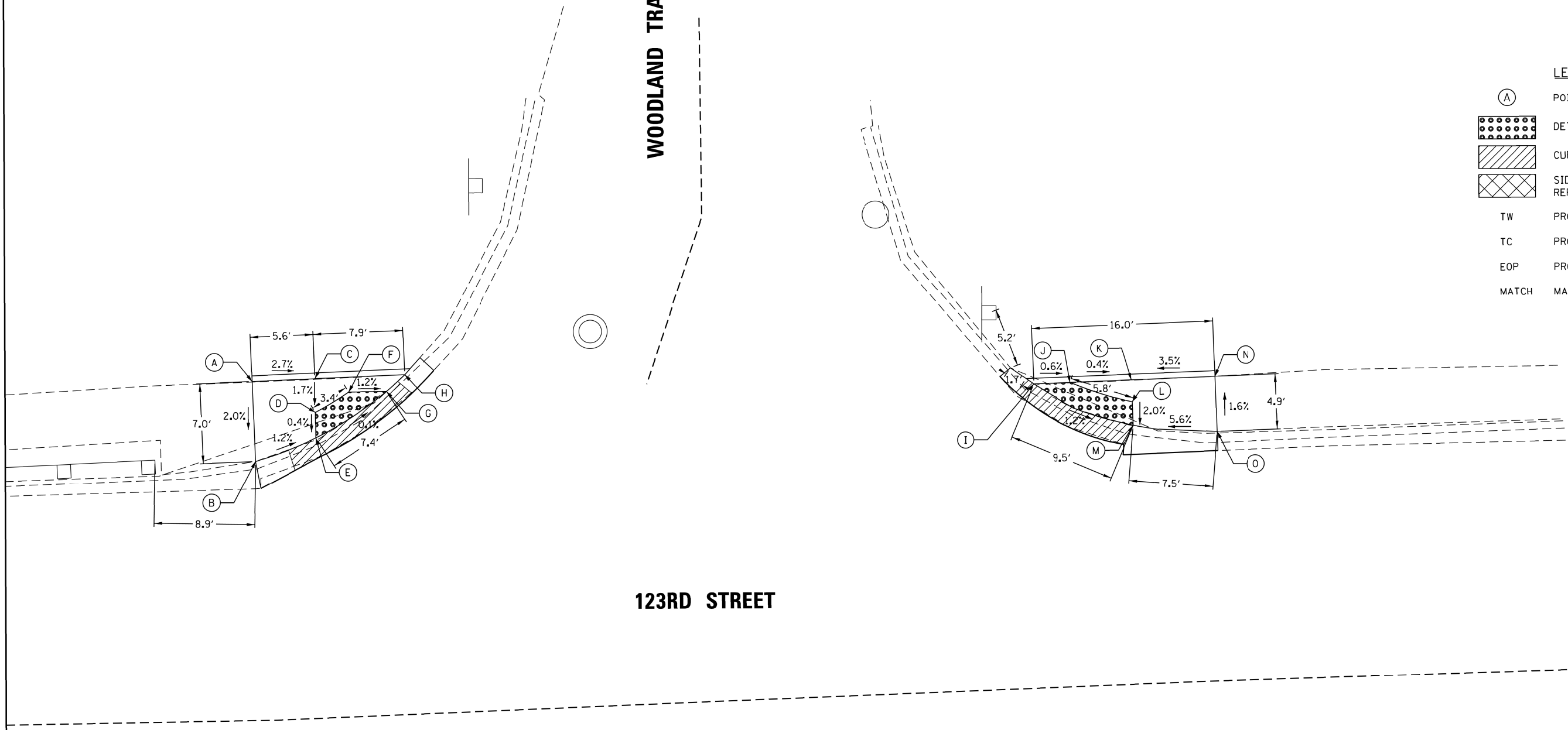
BENCHMARK:
 CUT "X" IN THE TOP OF CURB LOCATED
 73.9' EAST OF C WOODLAND TRAIL AND
 21.8' NORTH OF C 123RD STREET
 ELEV=682.51 (NAVD 88)

WOODLAND TRAIL

123RD STREET

LEGEND

- A POINT
- DETECTABLE WARNINGS
- CURB DEPRESSION
- SIDEWALK REMOVAL
REPLACE W/ TOPSOIL AND SOD
- TW PROPOSED TOP-OF-WALK ELEVATION
- TC PROPOSED TOP-OF-CURB ELEVATION
- EOP PROPOSED EDGE-OF-PAVEMENT ELEVATION
- MATCH MATCH EXISTING ELEVATION



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: HRGreen.com
 DATE PLOTTED: 10/25/2016 2:49:22 PM
 FILE NAME: D:\60184-sh1-swramps_PALOSPARK.dwg
 PLOT DRIVER: IL_Pdf_writer.ctb
 PEN TABLE: plottbl.tbl



USER NAME = bhartha	DESIGNED - BH	REVISED -
FILE NAME = D:\60184-sh1-swramps_PALOSPARK.dwg	CHECKED - DMS	REVISED -
PLOT SCALE = 1" = 10'	CHECKED -	REVISED -
PLOT DATE = 10/25/2016	DATE - 10/25/16	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SIDEWALK RAMP DETAILS
 123RD STREET**

SCALE: 1" = 10' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE. 1587	SECTION (73&3034)RS-5	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 22
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 60YB4		

COMPANY NAME: HRGreen
 PROJECT CONTACT: #PROJECT_CONTACT#
 CLIENT: #CLIENT#
 DATE PLOTTED: 10/25/2016 2:49:27 PM
 FILE NAME: D:\60184-shr-swr-amps_PALOSPARK_01.dgn
 PLOT DRIVER: IL_Pdf_bw.plt
 PEN TABLE: plottbl.tbl



USER NAME = bhartha	DESIGNED - BH	REVISED -
FILE NAME = D:\60184-shr-swr-amps_PALOSPARK_01.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = 1" = 10'	CHECKED -	REVISED -
PLOT DATE = 10/25/2016	DATE - 10/25/16	REVISED -

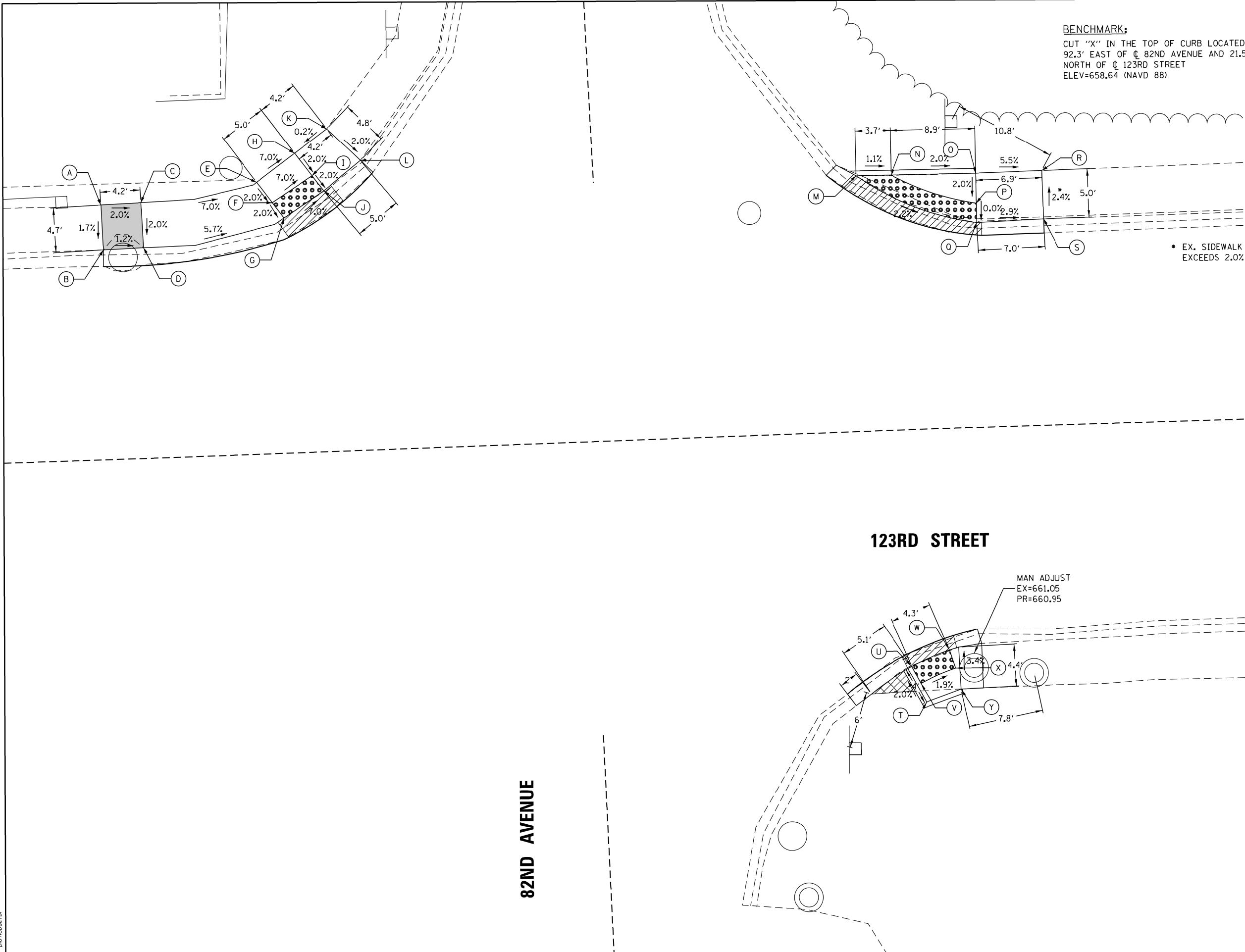
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS
123RD STREET

SCALE: 1" = 10' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE. 1587	SECTION (73&3034)RS-5	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 23
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 60YB4

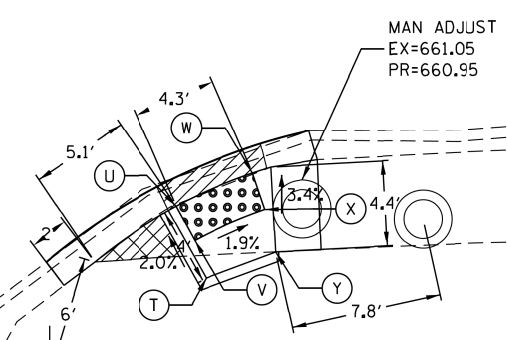


BENCHMARK:
 CUT "X" IN THE TOP OF CURB LOCATED
 92.3' EAST OF CL 82ND AVENUE AND 21.5'
 NORTH OF CL 123RD STREET
 ELEV=658.64 (NAVD 88)



POINT	ELEV	NOTE
A	665.45	MATCH
B	665.33	MATCH
C	665.37	TW
D	665.28	TW=TC
E	664.50	TW
F	664.45	TW
G	664.41	TW=TC
H	664.15	TW
I	664.10	TW
J	664.06	TW=TC
K	664.16	MATCH
L	664.06	MATCH
M	661.14	TW=TC
N	661.10	TW
O	660.93	TW
P	660.87	TW
Q	660.87	TW=TC
R	660.55	MATCH
S	660.67	MATCH
T	660.95	TW
U	660.87	TW=TC
V	660.90	TW
W	660.79	TW=TC
X	660.83	TW
Y	660.94	MATCH

- LEGEND**
- (A) POINT
 - DETECTABLE WARNINGS
 - CURB DEPRESSION
 - SIDEWALK REMOVAL
REPLACE W/ TOPSOIL AND SOD
 - TW PROPOSED TOP-OF-WALK ELEVATION
 - TC PROPOSED TOP-OF-CURB ELEVATION
 - EOP PROPOSED EDGE-OF-PAVEMENT ELEVATION
 - MATCH MATCH EXISTING ELEVATION



82ND AVENUE

123RD STREET

POINT	ELEV	NOTE
A	641.70	MATCH
B	641.61	MATCH
C	641.57	TW
D	641.48	TW
E	641.50	MATCH
F	641.45	TW=TC
G	641.50	MATCH
H	641.52	TW
I	641.62	MATCH
J	641.35	TW=TC
K	641.39	TW
L	641.54	MATCH

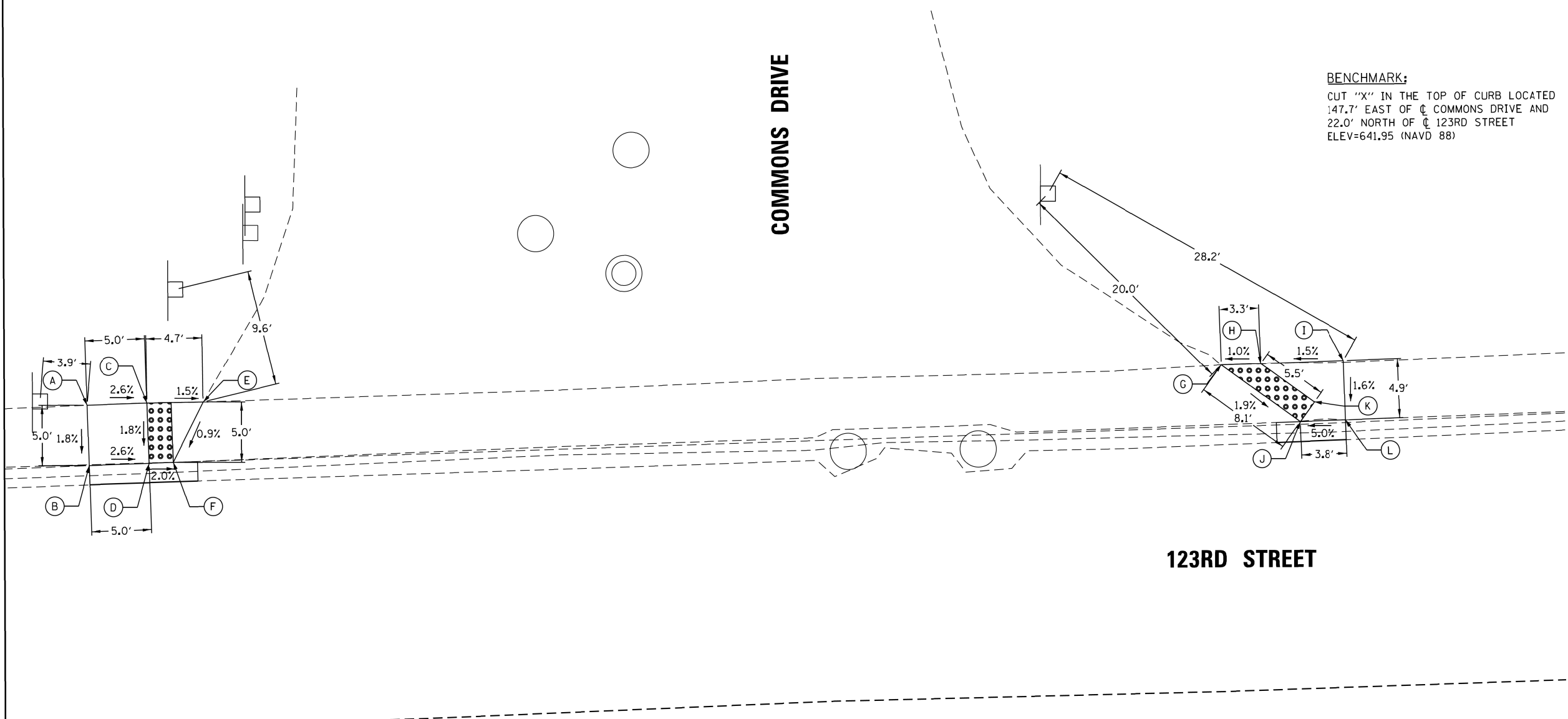


BENCHMARK:
 CUT "X" IN THE TOP OF CURB LOCATED
 147.7' EAST OF ϕ COMMONS DRIVE AND
 22.0' NORTH OF ϕ 123RD STREET
 ELEV=641.95 (NAVD 88)

- LEGEND**
- (A) POINT
 - DETECTABLE WARNINGS
 - CURB DEPRESSION
 - SIDEWALK REMOVAL
REPLACE W/ TOPSOIL AND SOD
 - TW PROPOSED TOP-OF-WALK ELEVATION
 - TC PROPOSED TOP-OF-CURB ELEVATION
 - EOP PROPOSED EDGE-OF-PAVEMENT ELEVATION
 - MATCH MATCH EXISTING ELEVATION

COMMONS DRIVE

123RD STREET



COMPANY NAME: HRGreen
 PROJECT CONTACT: #PROJECT_CONTACT#
 CLIENT: #CLIENT#
 DATE PLOTTED: 10/25/2016 2:49:31 PM
 FILE NAME: D:\60784-shr-swramps_PALOSPARK\123rd\123rd.dwg
 PLOT DRIVER: IL_Pdf_bw.plt
 PEN TABLE: plottbl.tbl



USER NAME = bhartha	DESIGNED - BH	REVISED -
FILE NAME = D:\60784-shr-swramps_PALOSPARK\123rd\123rd.dwg	CHECKED - DMS	REVISED -
PLOT SCALE = 1" = 10'	CHECKED -	REVISED -
PLOT DATE = 10/25/2016	DATE - 10/25/16	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SIDEWALK RAMP DETAILS
 123RD STREET**

SCALE: 1" = 10' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE. 1587	SECTION (73&3034)RS-5	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 24
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 60YB4

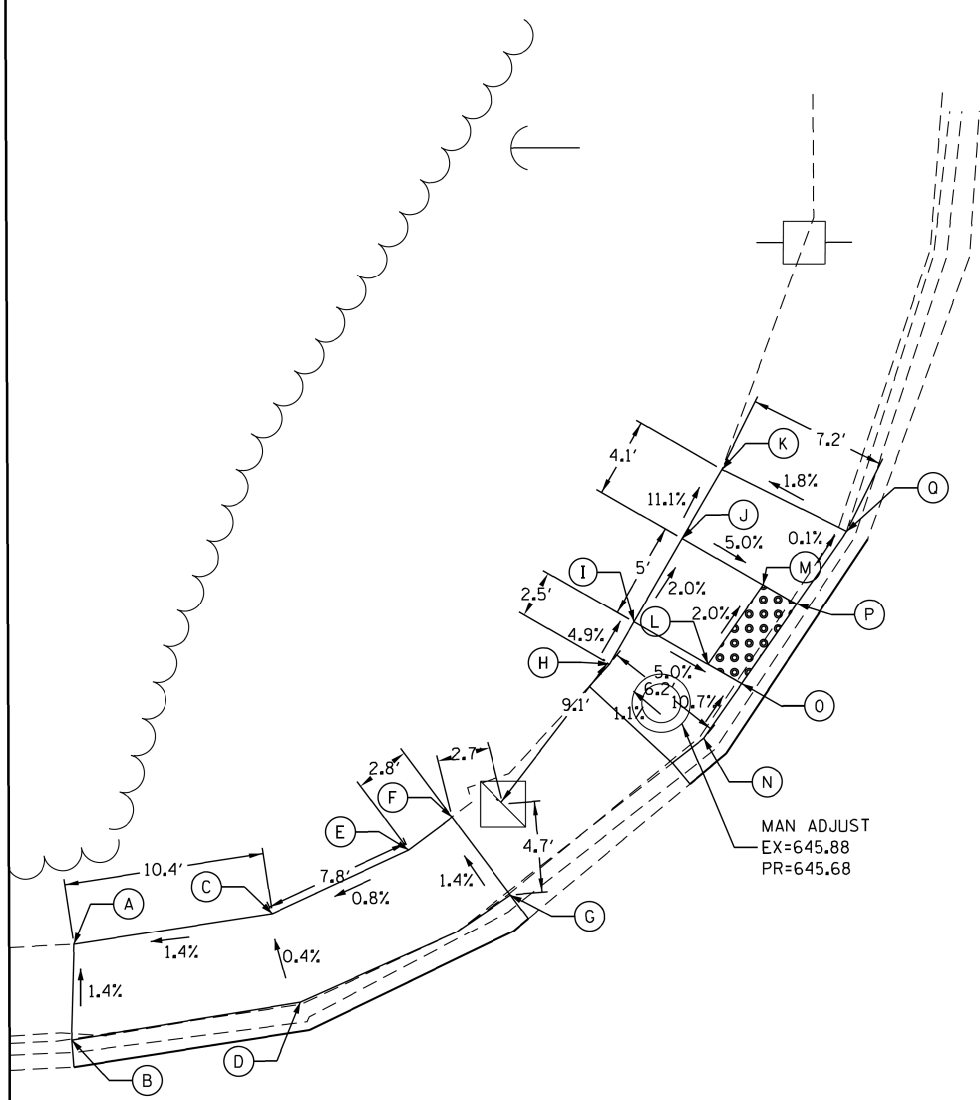
POINT	ELEV	NOTE
A	645.63	MATCH
B	645.70	MATCH
C	645.78	TW
D	645.80	TW=TC
E	645.84	TW
F	645.81	MATCH
G	645.88	TW=TC
H	645.81	MATCH
I	645.61	TW
J	645.51	TW
K	645.05	MATCH
L	645.39	TW
M	645.29	TW
N	645.88	MATCH
O	645.29	TW=TC
P	645.19	TW=TC
Q	645.18	MATCH
R	646.49	TW=TC
S	646.53	TW
T	646.59	TW
U	646.49	TW=TC
V	646.53	TW
W	646.58	MATCH
X	646.57	TW
Y	646.61	TW
Z	646.70	TW=TC
AA	646.10	TW
BB	646.19	TW=TC
CC	645.61	TW
DD	645.70	TW=TC
EE	644.99	TW
FF	644.95	TW
GG	644.91	TW=TC
HH	644.91	TW
II	644.87	TW
JJ	644.83	TW=TC

BENCHMARK:
 NGS MONUMENT LOCATED AT THE
 INTERSECTION OF 123RD STREET AND
 80TH AVENUE
 ELEV=646.44 (NAVD 88)

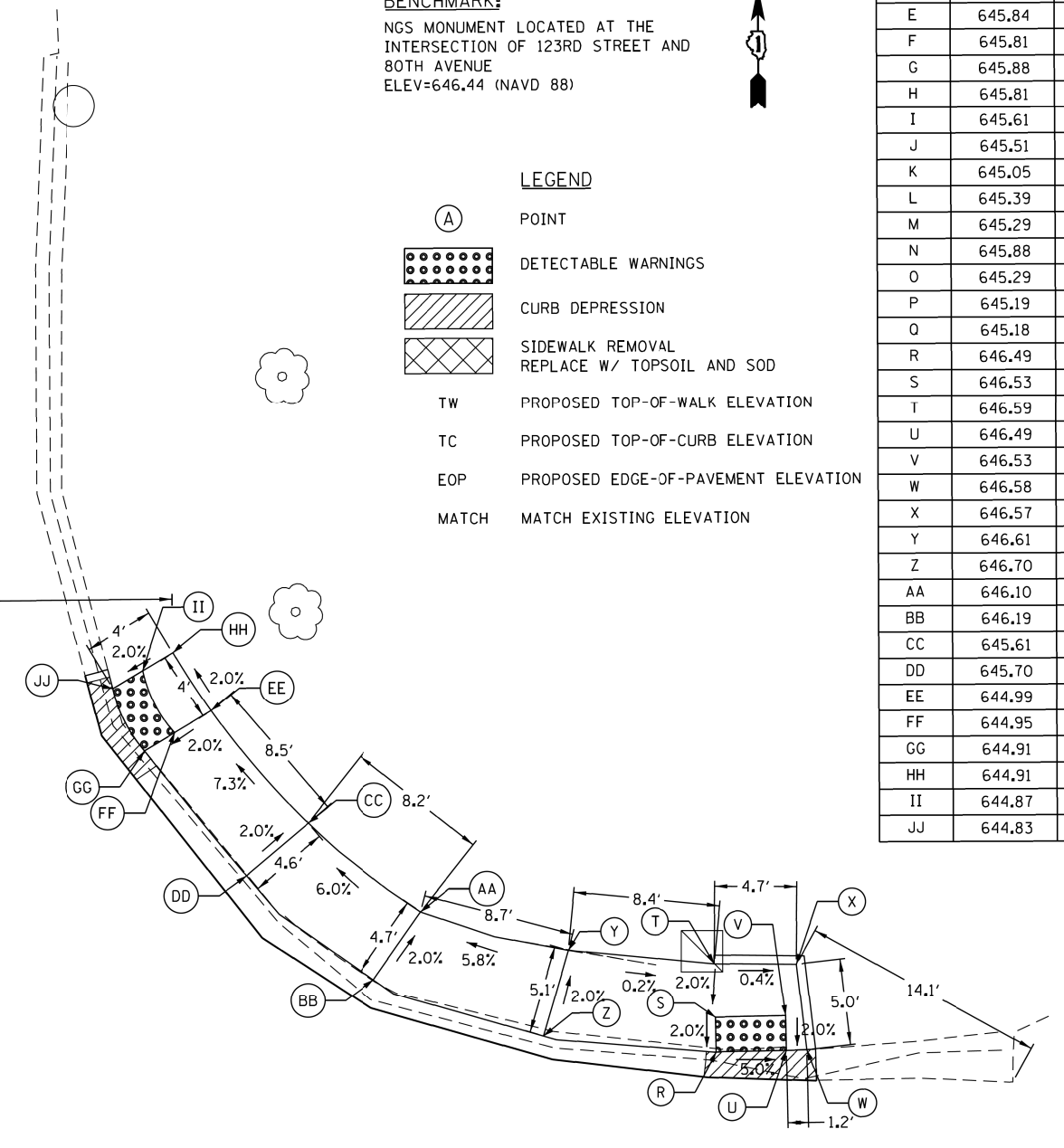


LEGEND

- (A) POINT
- DETECTABLE WARNINGS
- CURB DEPRESSION
- SIDEWALK REMOVAL
REPLACE W/ TOPSOIL AND SOD
- TW PROPOSED TOP-OF-WALK ELEVATION
- TC PROPOSED TOP-OF-CURB ELEVATION
- EOP PROPOSED EDGE-OF-PAVEMENT ELEVATION
- MATCH MATCH EXISTING ELEVATION



80TH AVENUE



123RD STREET

COMPANY NAME: HRGreen
 PROJECT CONTACT: #PROJECT_CONTACT#
 CLIENT: #CLIENT#
 DATE PLOTTED: 10/25/2016 2:49:36 PM
 FILE NAME: D:\60184-sh1-swramps_PALOSPARK.dwg
 PLOT DRIVER: IL_Pdf_writer.ctb
 PEN TABLE: plot.tbl

HRGreen.com
 Illinois Professional Design Firm
 # 184-011322

USER NAME = bhartha	DESIGNED - BH	REVISED -
FILE NAME = D:\60184-sh1-swramps_PALOSPARK.dwg	DRAWN - DMS	REVISED -
PLOT SCALE = 1" = 10'	CHECKED -	REVISED -
PLOT DATE = 10/25/2016	DATE - 10/25/16	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SIDEWALK RAMP DETAILS
 123RD STREET**

SCALE: 1" = 10' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE. 1587	SECTION (73&3034)RS-5	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 25
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 60YB4		

COMPANY NAME: HRGreen
 PROJECT CONTACT: #PROJECT_CONTACT#
 CLIENT: #CLIENT#
 DATE PLOTTED: 10/25/2016 2:49:41 PM
 FILE NAME: D:\60184-shr-swr-amps_PALOSPARK_IL.dgn
 PLOT DRIVER: IL_Pdf_bw.plt
 PEN TABLE: plottbl.tbl



USER NAME = bharima
 FILE NAME = D:\60184-shr-swr-amps_PALOSPARK_IL.dgn
 PLOT SCALE = 1" = 10'
 PLOT DATE = 10/25/2016

DESIGNED - BH
 CHECKED - DMS
 DATE - 10/25/16

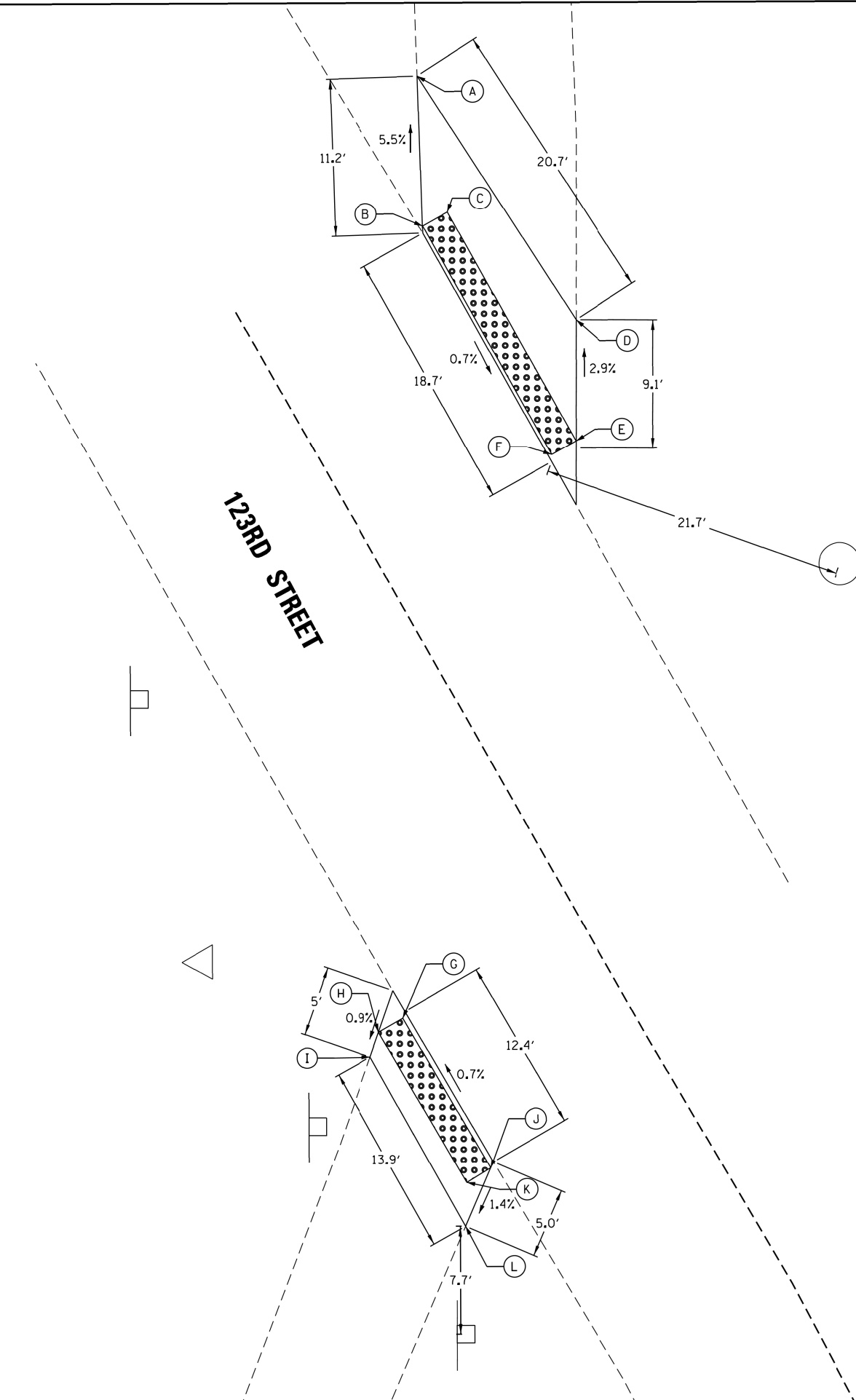
REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS
123RD STREET

SCALE: 1" = 10' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	(73&3034)RS-5	COOK	43	26
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 60YB4



BENCHMARK:
 CUT "X" IN SIDEWALK LOCATED 42.0'
 NORTHWEST OF INTERSECTION OF 123RD
 STREET AND BIKE PATH
 ELEV=659.36 (NAVD 88)



POINT	ELEV	NOTE
A	660.65	MATCH
B	661.03	MATCH
C	661.00	TW
D	660.50	MATCH
E	660.87	TW
F	660.90	TW
G	660.78	TW
H	660.75	TW
I	660.73	MATCH
J	660.87	TW
K	660.84	TW
L	660.80	MATCH

LEGEND

- (A) POINT
- DETECTABLE WARNINGS
- CURB DEPRESSION
- SIDEWALK REMOVAL
REPLACE W/ TOPSOIL AND SOD
- TW PROPOSED TOP-OF-WALK ELEVATION
- TC PROPOSED TOP-OF-CURB ELEVATION
- EOP PROPOSED EDGE-OF-PAVEMENT ELEVATION
- MATCH MATCH EXISTING ELEVATION

POINT	ELEV	NOTE
A	661.32	MATCH
B	661.27	MATCH
C	661.24	TW
D	661.21	TW
E	660.68	TW
F	660.62	TW
G	660.65	TW=TC
H	660.59	TW=TC
I	660.43	MATCH
J	660.62	MATCH
K	660.47	TW
L	660.58	TW
M	660.61	MATCH
N	660.46	MATCH
O	661.50	TW=TC
P	661.36	TW=TC
Q	661.33	TW
R	661.39	TW
S	661.55	TW
T	661.78	MATCH
U	661.70	MATCH



BENCHMARK:
 CUT "X" IN THE TOP OF CURB LOCATED
 51.5' WEST OF \bar{C} OF SCHOOL ENTRANCE
 AND 38.8' NORTH OF \bar{C} 123RD STREET
 ELEV=661.71 (NAVD 88)

LEGEND

- (A) POINT
- DETECTABLE WARNINGS
- CURB DEPRESSION
- SIDEWALK REMOVAL
REPLACE W/ TOPSOIL AND SOD
- TW PROPOSED TOP-OF-WALK ELEVATION
- TC PROPOSED TOP-OF-CURB ELEVATION
- EOP PROPOSED EDGE-OF-PAVEMENT ELEVATION
- MATCH MATCH EXISTING ELEVATION

DIANE DRIVE

123RD STREET

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: #2123456789
 CLIENT: #2123456789
 DATE PLOTTED: 10/25/2016 2:49:46 PM
 FILE NAME: D:\60184-sh1-swramps_PALOSPARK_IL.dgn
 PLOT DRIVER: IL_Pdf_bwplc1fg
 PEN TABLE: plottbl.tbl

USER NAME = bhartma	DESIGNED - BH	REVISED -
FILE NAME = D:\60184-sh1-swramps_PALOSPARK_IL.dgn	DRAWN - DMS	REVISED -
PLOT SCALE = 1" = 10'	CHECKED -	REVISED -
PLOT DATE = 10/25/2016	DATE - 10/25/16	REVISED -

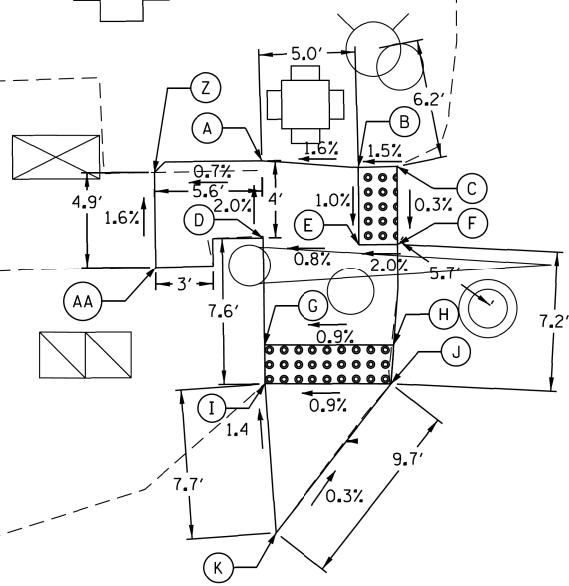
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SIDEWALK RAMP DETAILS
 123RD STREET**

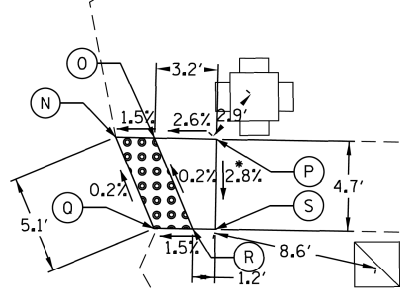
SCALE: 1" = 10' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	(73&3034)RS-5	COOK	43	27
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

CONTRACT NO. 60YB4



76TH AVENUE



123RD STREET

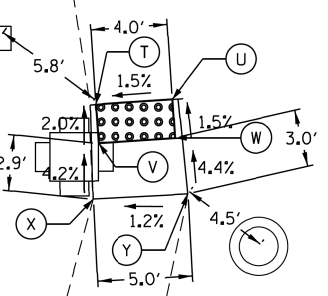
BENCHMARK:
ARROW BOLT OF FIRE HYDRANT LOCATED
NORTHWEST OF INTERSECTION OF 123RD
STREET AND 76TH AVENUE
ELEV=663.91 (NAVD 88)



POINT	ELEV	NOTE
A	662.76	MATCH
B	662.88	TW
C	662.91	MATCH
D	662.84	MATCH
E	662.88	TW
F	662.90	MATCH
G	662.85	TW
H	662.91	MATCH
I	662.86	TW
J	662.92	MATCH
K	662.87	MATCH
L	NOT USED	-
M	NOT USED	-
N	663.37	MATCH
O	663.40	TW
P	663.58	MATCH
Q	663.38	MATCH
R	663.41	TW
S	663.45	MATCH
T	663.56	TW
U	663.62	TW
V	663.60	TW
W	663.65	TW
X	663.72	MATCH
Y	663.78	MATCH
Z	662.80	MATCH
AA	662.72	MATCH

LEGEND

- (A) POINT
- DETECTABLE WARNINGS
- CURB DEPRESSION
- SIDEWALK REMOVAL
REPLACE W/ TOPSOIL AND SOD
- TW PROPOSED TOP-OF-WALK ELEVATION
- TC PROPOSED TOP-OF-CURB ELEVATION
- EOP PROPOSED EDGE-OF-PAVEMENT ELEVATION
- MATCH MATCH EXISTING ELEVATION



COMPANY NAME: HRGreen
PROJECT CONTACT: #PROJECT_CONTACT#
CLIENT: #CLIENT#
DATE PLOTTED: 10/25/2016 2:49:50 PM
FILE NAME: D:\60184-shr-swramps_PALOSPARK_IL.dgn
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HRGreen.com
Illinois Professional Design Firm
184-011322

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PLOT DATE = 10/25/2016	DATE = 10/25/16	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS
123RD STREET

SCALE: 1" = 10' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE. 1587	SECTION (73&3034)RS-5	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 28
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT CONTRACT NO. 60Y84		

COMPANY NAME: HRGreen
 PROJECT CONTACT: #PROJECT_CONTACT#
 CLIENT: #CLIENT#
 DATE PLOTTED: 10/25/2016 2:49:55 PM
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PLOT DATE = 10/25/2016	DATE - 10/25/16	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIDEWALK RAMP DETAILS 123RD STREET			
SCALE: 1" = 10'	SHEET NO. OF SHEETS	STA. TO STA.	

F.A.U. RTE. 1587	SECTION (73&3034)RS-5	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 29
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT CONTRACT NO. 60YB4		

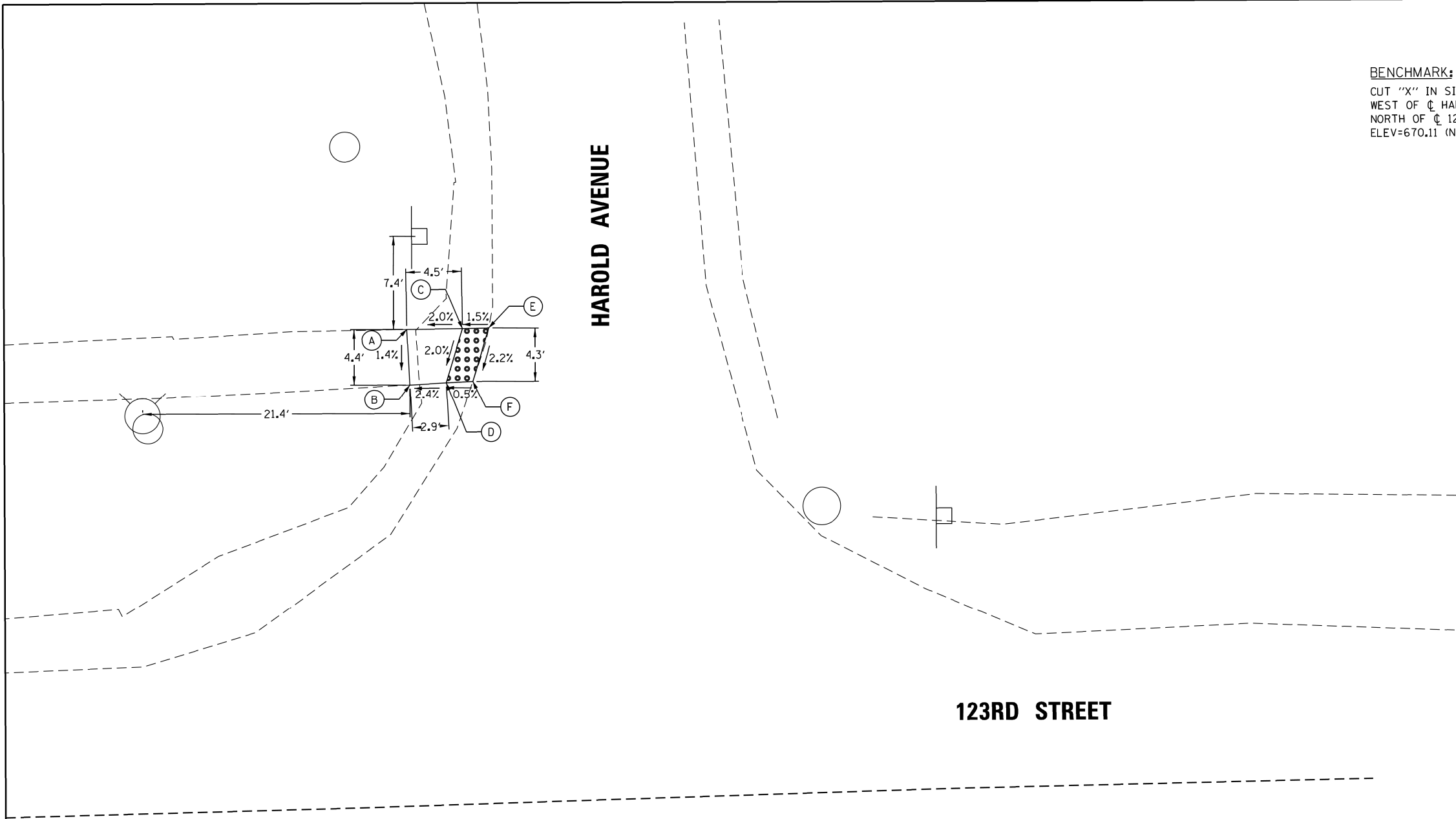
BENCHMARK:
 CUT "X" IN SIDEWALK LOCATED 60.2'
 WEST OF CL HAROLD AVENUE AND 33.4'
 NORTH OF CL 123RD STREET
 ELEV=670.11 (NAVD 88)



POINT	ELEV	NOTE
A	668.79	MATCH
B	668.73	MATCH
C	668.88	TW
D	668.80	TW
E	668.91	MATCH
F	668.81	MATCH

LEGEND

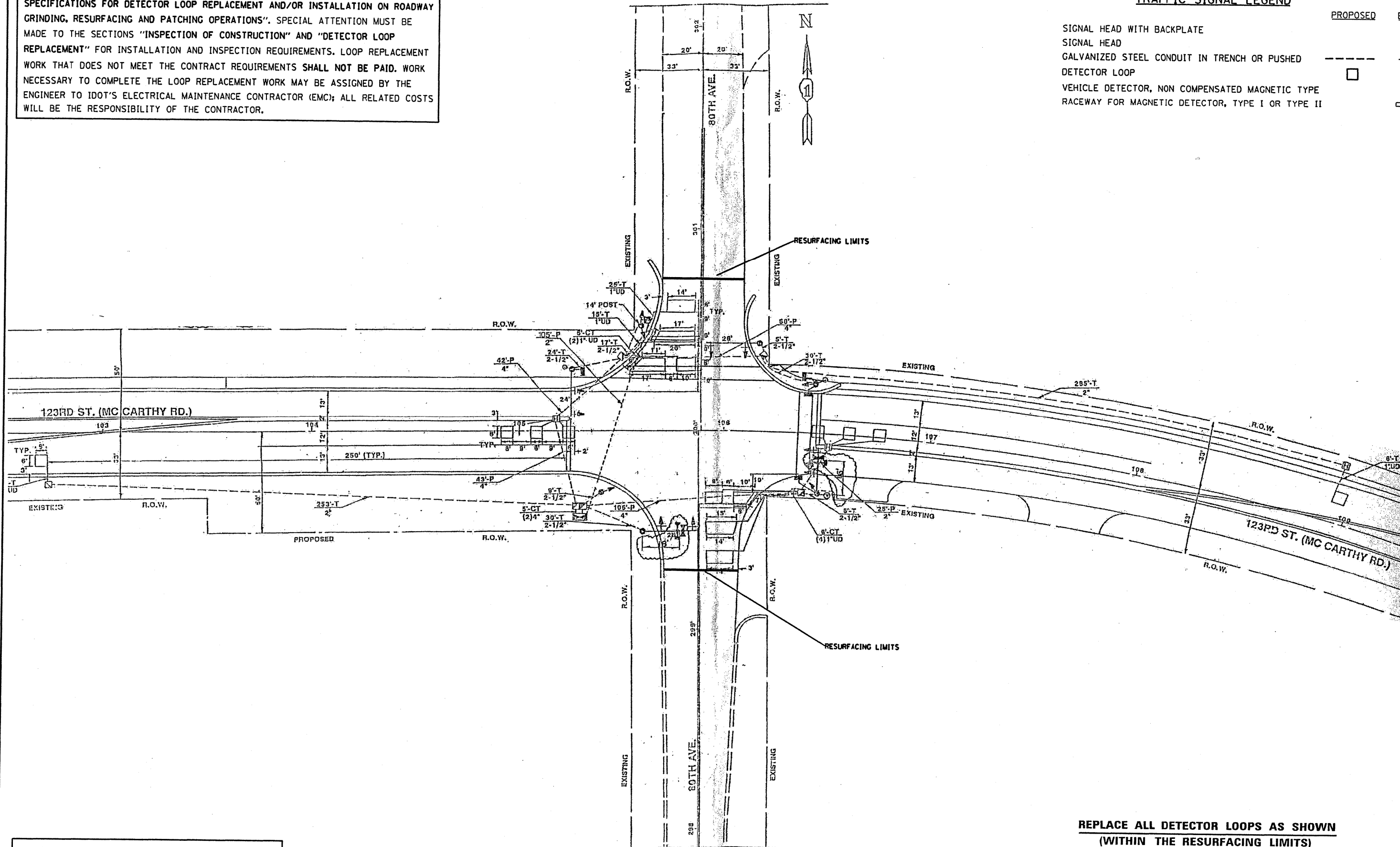
- (A) POINT
- DETECTABLE WARNINGS
- CURB DEPRESSION
- SIDEWALK REMOVAL
REPLACE W/ TOPSOIL AND SOD
- TW PROPOSED TOP-OF-WALK ELEVATION
- TC PROPOSED TOP-OF-CURB ELEVATION
- EOP PROPOSED EDGE-OF-PAVEMENT ELEVATION
- MATCH MATCH EXISTING ELEVATION



WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE	⊞	⊞
SIGNAL HEAD	⊞	⊞
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED	---	---
DETECTOR LOOP	□	□
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		⊞
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		⊞



THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY

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

CODE	QUANTITY	UNIT	ITEM
88600600	620	FOOT	DETECTOR LOOP REPLACEMENT

FILE NAME =	USER NAME = curryja
S:\WP\Design\JC\Detector Loop Details\60184\Detector Loop.dgn	
PLOT SCALE = 100.0001 / in	
PLOT DATE = 2/19/2015	

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

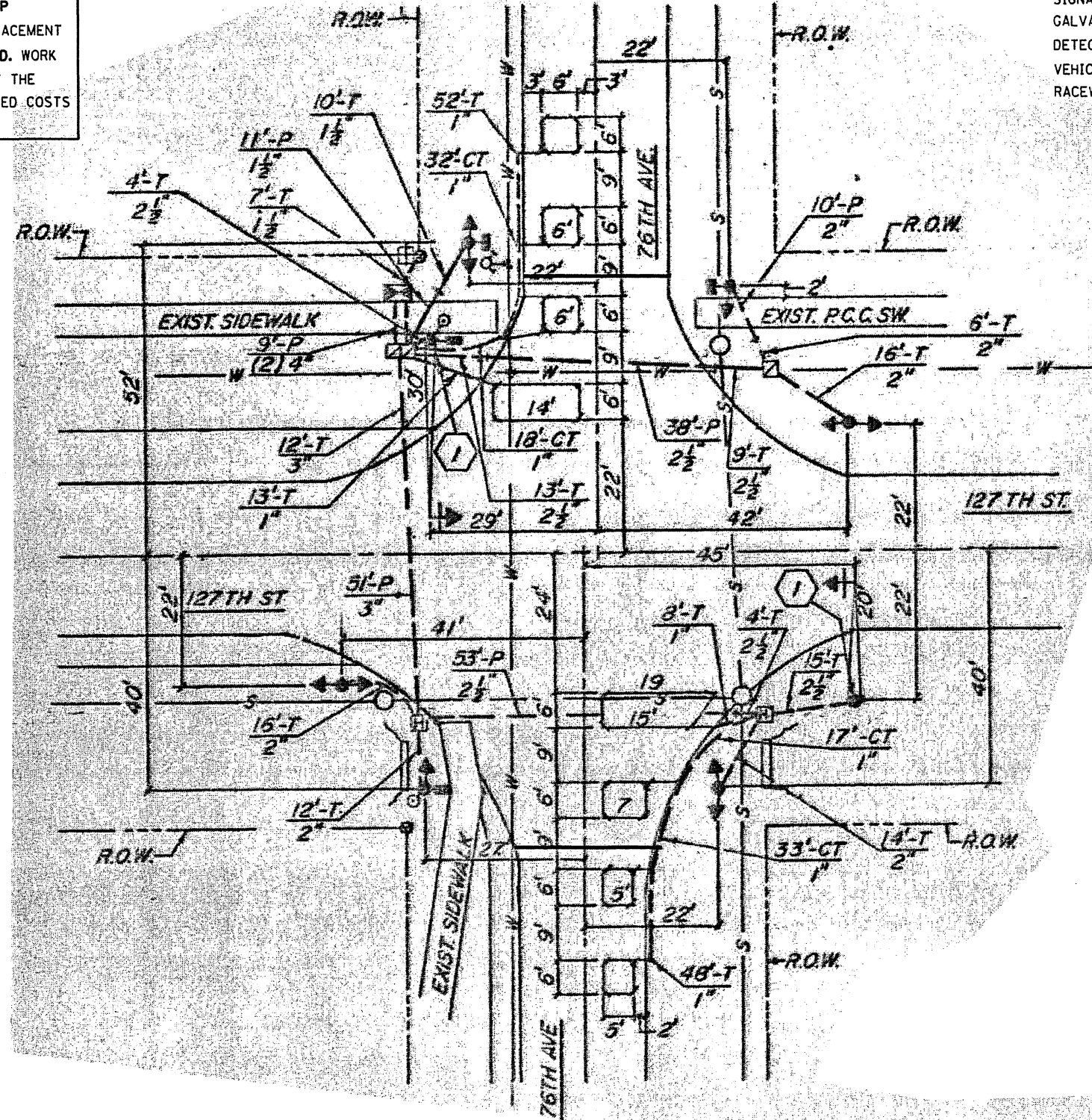
**DISTRICT ONE - DETECTOR LOOP REPLACEMENT
123RD ST. (MC CARTHY RD) AT 80TH AVE**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	(73+3034) RS-5	COOK	43	30
CONTRACT NO. 60VRA				

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC SIGNAL LEGEND

PROPOSED	EXISTING



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

**THIS PLAN IS FOR THE SOLE PURPOSE OF
DETECTOR LOOP REPLACEMENTS ONLY**

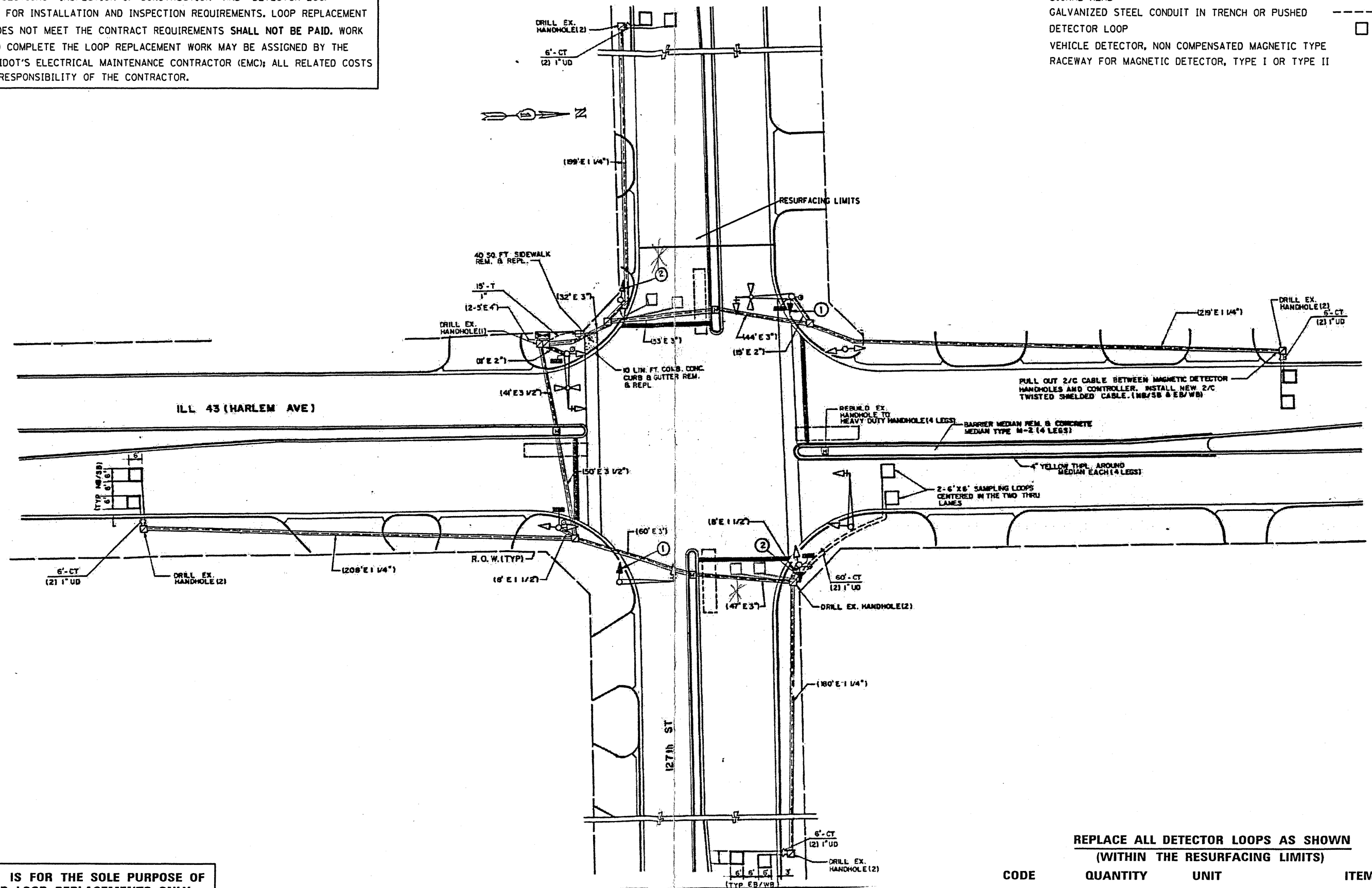
CODE	QUANTITY	UNIT	ITEM
88600600	286	FOOT	DETECTOR LOOP REPLACEMENT

FILE NAME =	USER NAME = curryjo	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE - DETECTOR LOOP REPLACEMENT 127th (MCCARTHY) AT 76TH AVE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\WP\Design\JC\Detector Loop Details\60Y84\Detector Loop.dgn		DRAWN -	REVISED -			1587	(73+3034) RS-5	COOK	43	31	
PLOT SCALE = 100.0001' / in.		CHECKED -	REVISED -			CONTRACT NO. 60Y84					
PLOT DATE = 2/19/2015		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE	◻	◻
SIGNAL HEAD	◻	◻
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED	---	---
DETECTOR LOOP	◻	◻
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	◻	◻
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	---	---



THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY

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

CODE	QUANTITY	UNIT	ITEM
88600600	70	FOOT	DETECTOR LOOP REPLACEMENT

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		CHECKED -	REVISED -
		DATE -	REVISED -

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

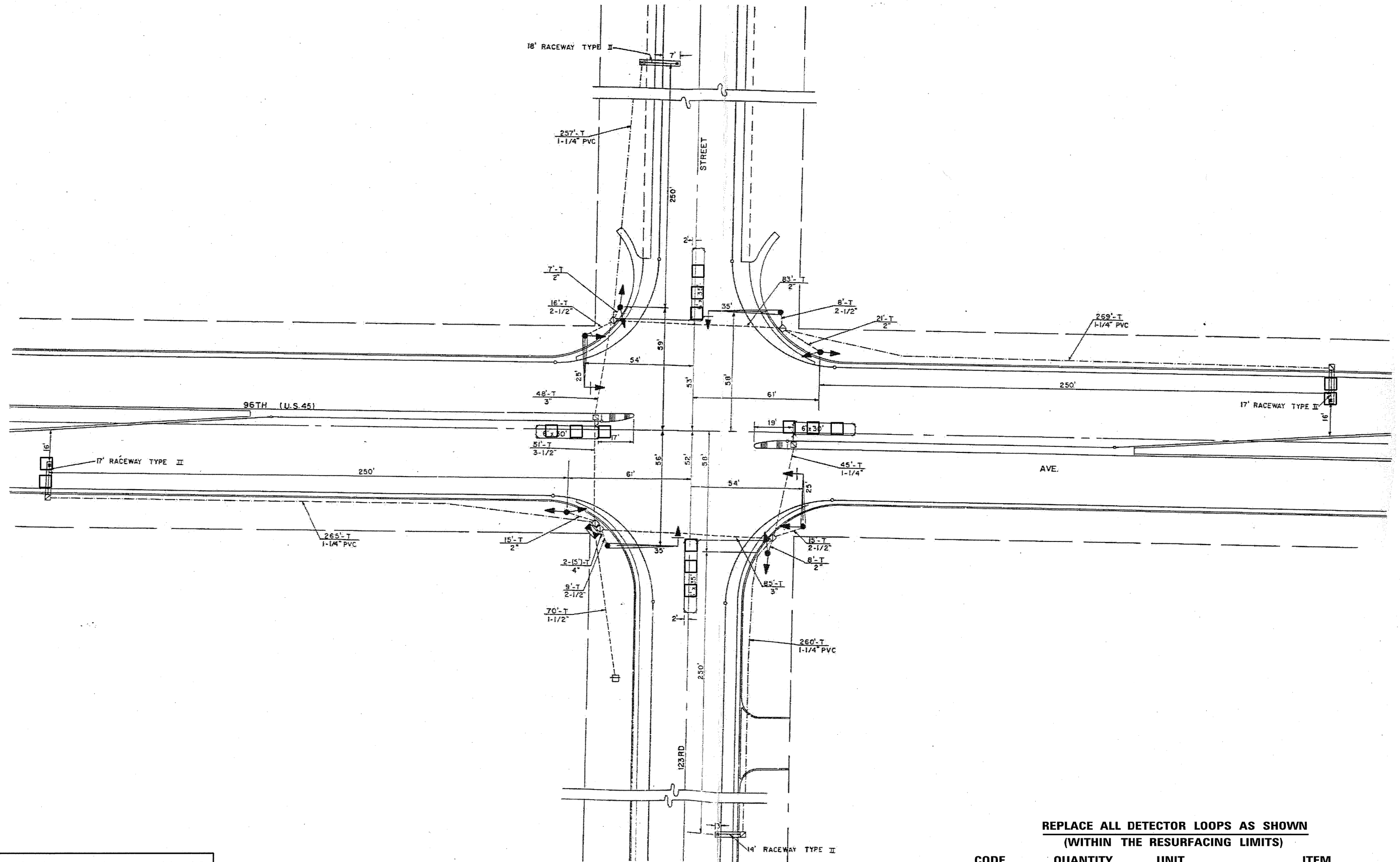
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE - DETECTOR LOOP REPLACEMENT
IL ROUTE 143 AT 127TH ST.**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	(73+3034) RS-5	COOK	43	32
CONTRACT NO. 60Y84				

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

FED. ROAD DIST. NO. ILLINOIS/FED. AID PROJECT

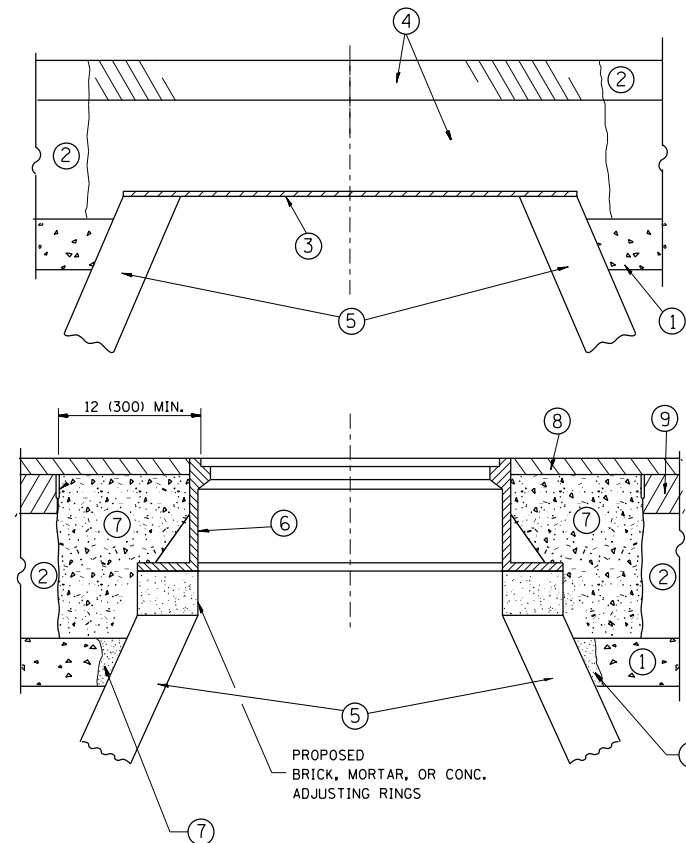


**THIS PLAN IS FOR THE SOLE PURPOSE OF
DETECTOR LOOP REPLACEMENTS ONLY**

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

CODE	QUANTITY	UNIT	ITEM
88600600	540	FOOT	DETECTOR LOOP REPLACEMENT

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	15\60Y84\Detector Loop.dgn	DRAWN -	REVISED -			1587	(73+3034) RS-5	COOK	43	32A
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -			CONTRACT NO. 60Y84				
	PLOT DATE = 10/17/2016	DATE -	REVISED -			FED. ROAD DIST. NO. 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

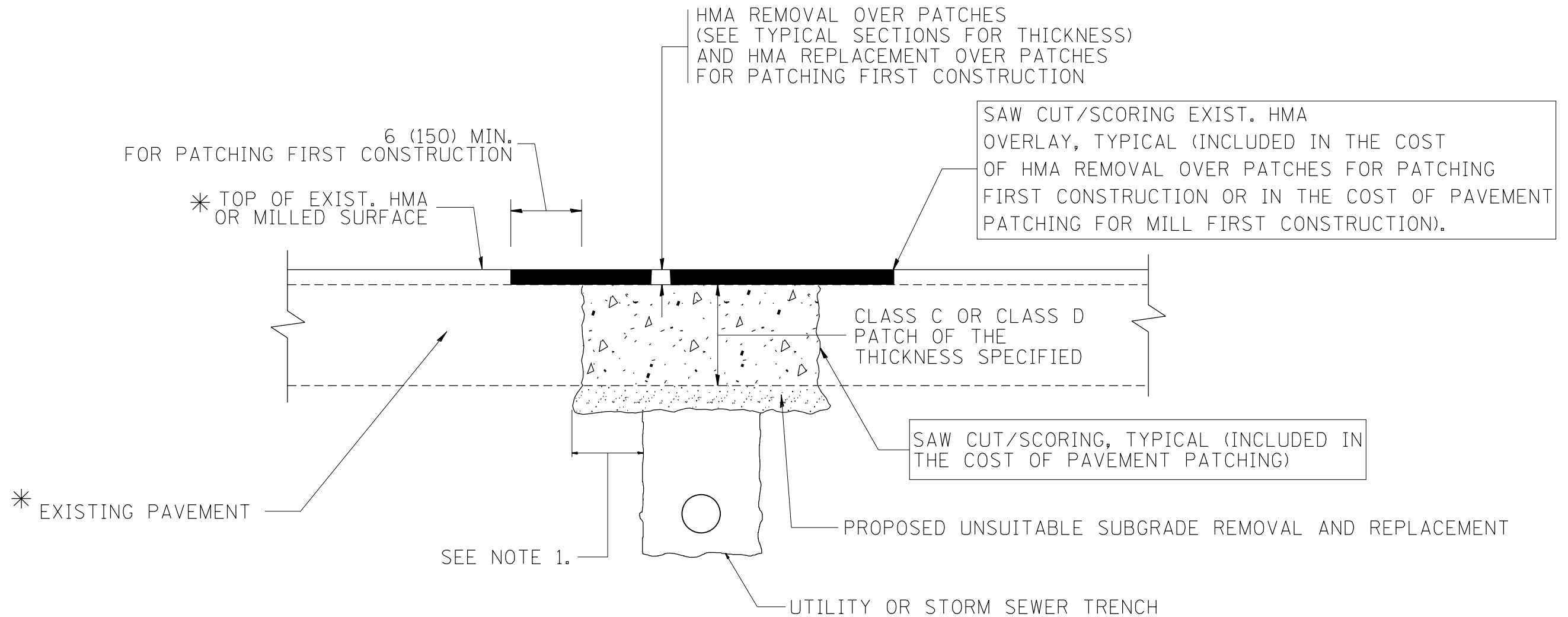
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	PLOT DATE = 10/26/2016	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**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.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	(73&3034)RS-5	COOK	43	33
BD600-03 (BD-8)		CONTRACT NO. 60Y84		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

FILE NAME =	USER NAME = valledolidv	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\1023\Drawings\Design\DistStd.dgn	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - R. BORO 01-01-07					1587	(73&3034)RS-5	COOK	43	34
	PLOT DATE = 10/26/2016	DATE - 10-25-94	REVISED - R. BORO 09-04-07		BD400-04 (BD-22)		CONTRACT NO. 60Y84					
			REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

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

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

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

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

18" (450) MAX.

1/4" (5) **

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

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

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

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

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

* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

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

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.

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.

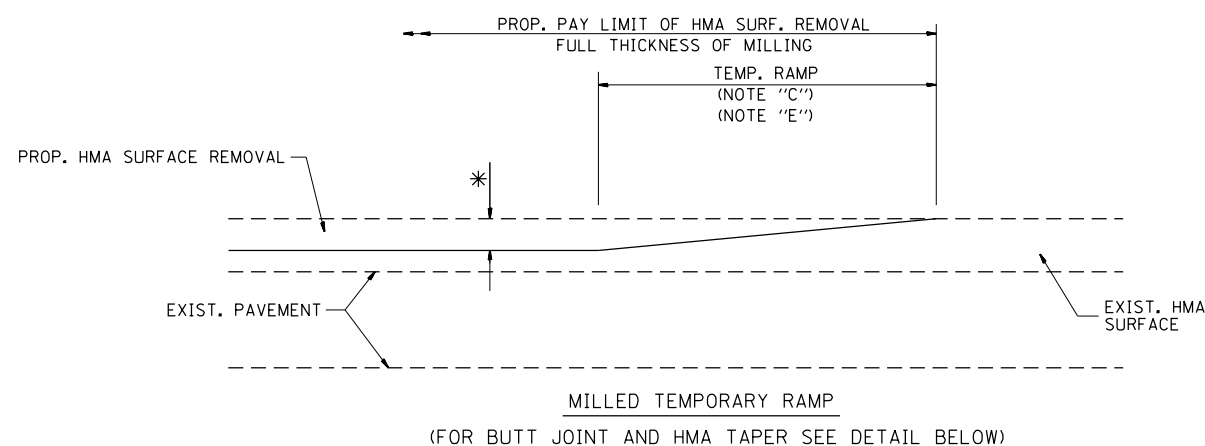
PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

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".

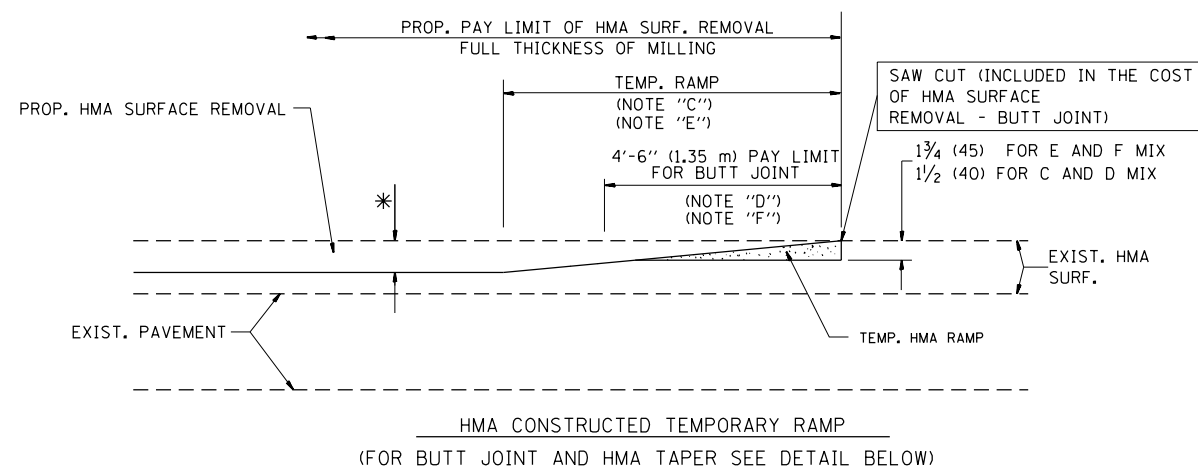
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = valledolidv	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. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 10/26/2016	DATE - 03-11-94	REVISED - M. GOMEZ 01-22-01	REVISED - R. BORO 12-15-09			BD600-06 (BD-24)		CONTRACT NO. 60Y84		
						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

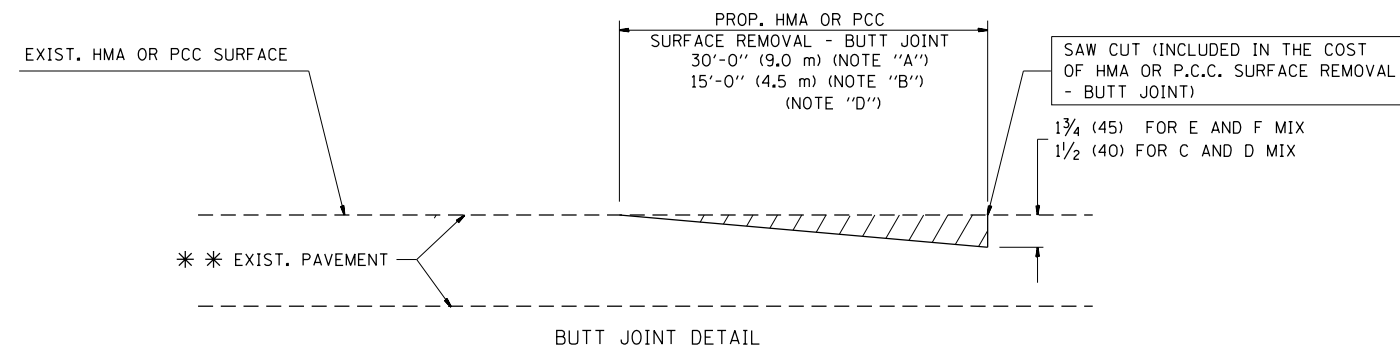


OPTION 1

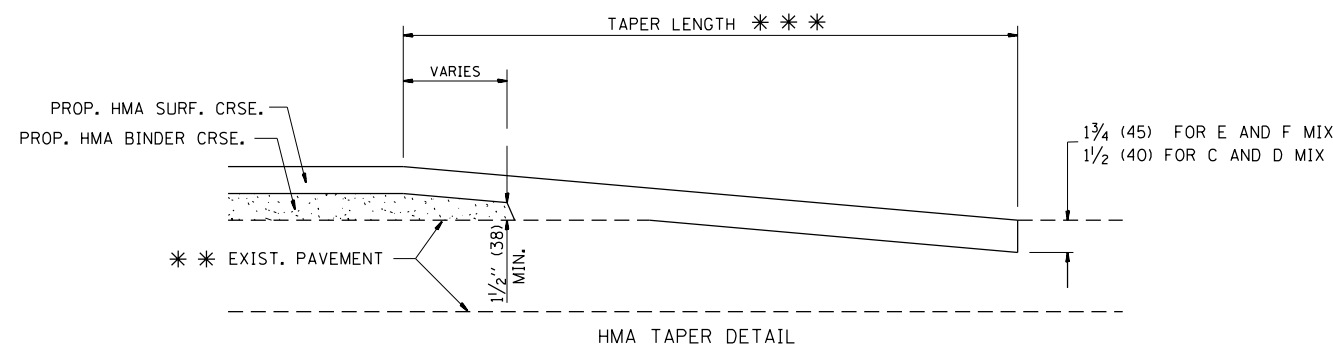


OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

* * PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

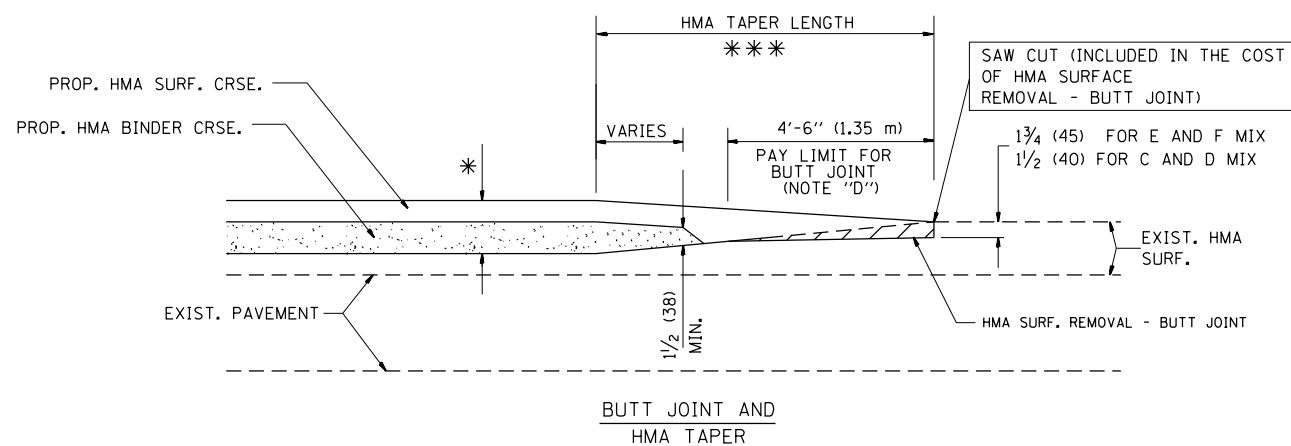
NOTES

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

BASIS OF PAYMENT:

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

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



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

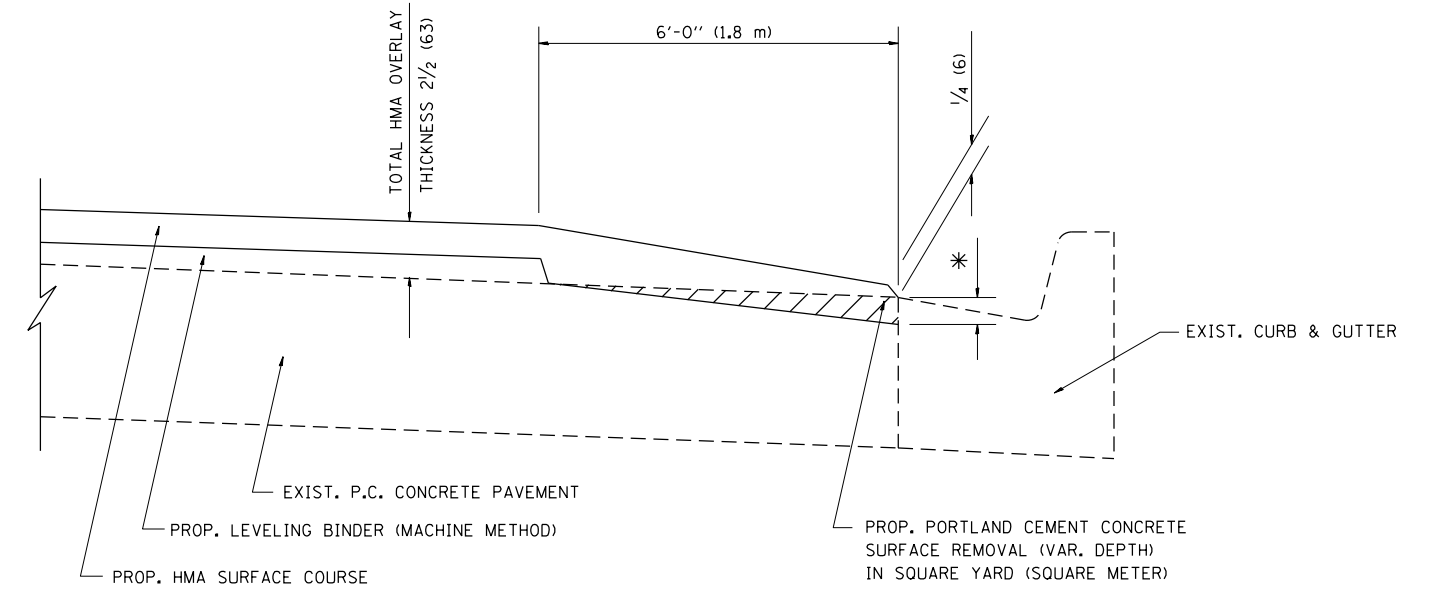
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	PLOT DATE = 10/26/2016	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**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. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	(73&3034)RS-5	COOK	43	36
BD400-05 BD32		CONTRACT NO. 60Y84		
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.

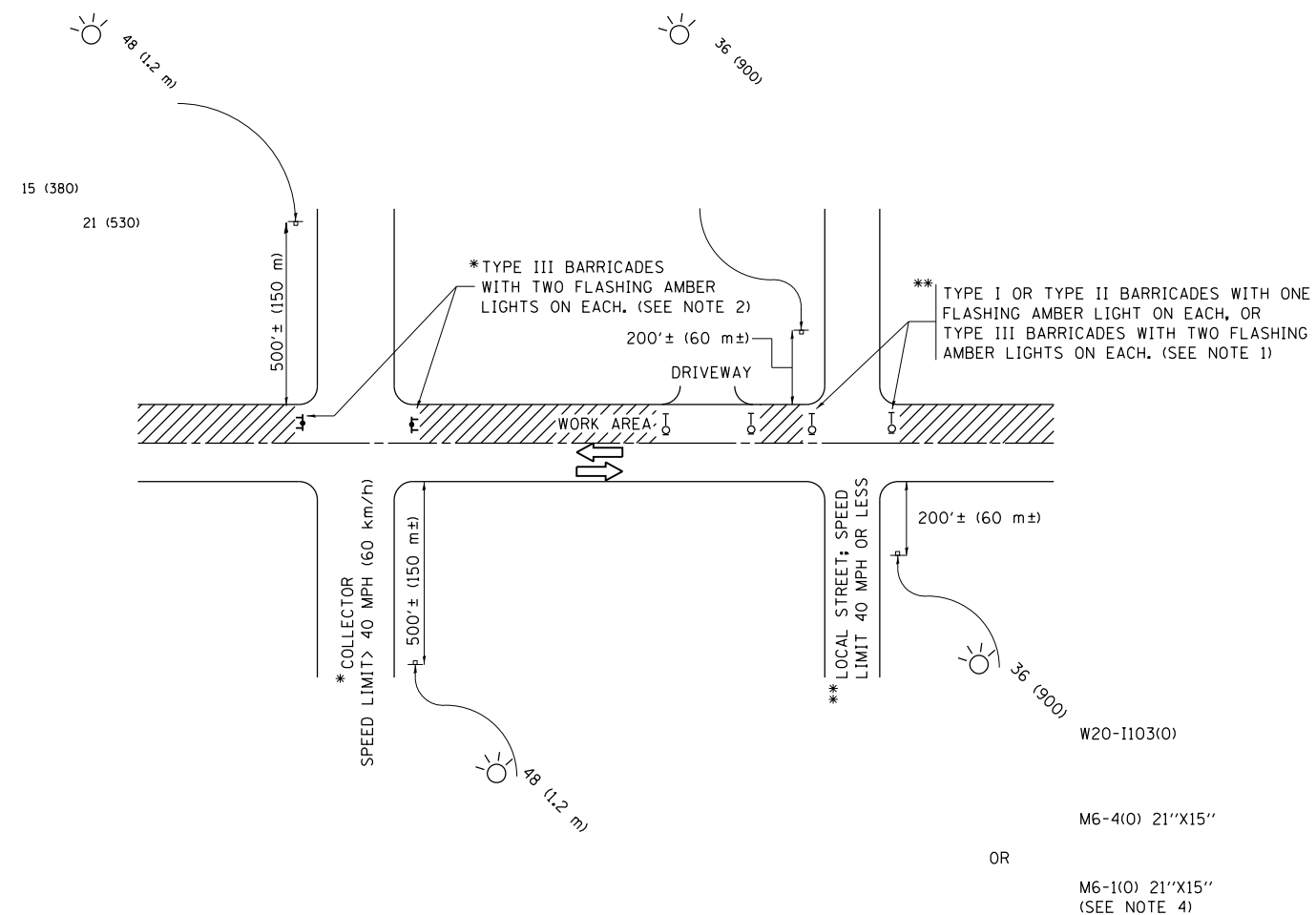
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Default	PLOT SCALE = 100.0000' / 1in.	DATE - 09-10-94	REVISED - R. BORO 01-01-07
	PLOT DATE = 10/26/2016		REVISED - JP CHANG 07-08-16

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.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	(73&3034)RS-5	COOK	43	37
BD400-06 (BD33)		CONTRACT NO. 60Y84		
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.

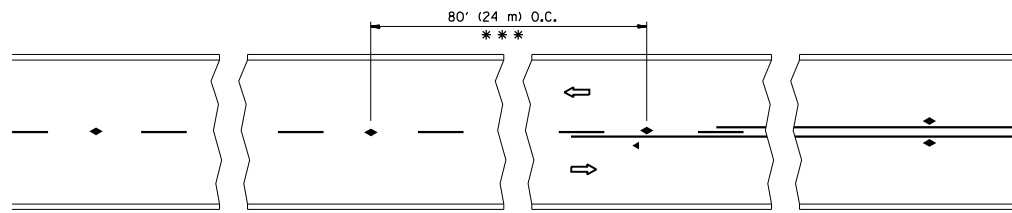
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	PLOT DATE = 10/26/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

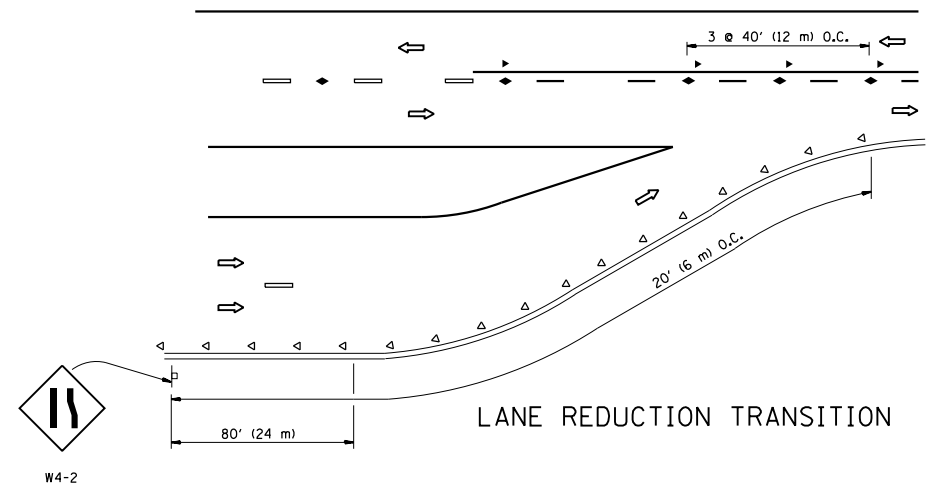
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 60Y84	
ILLINOIS FED. AID PROJECT				

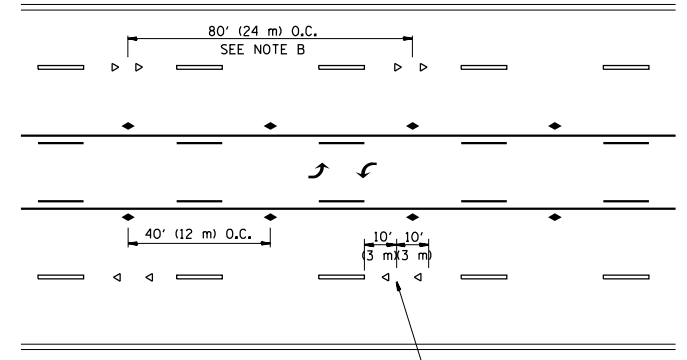


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

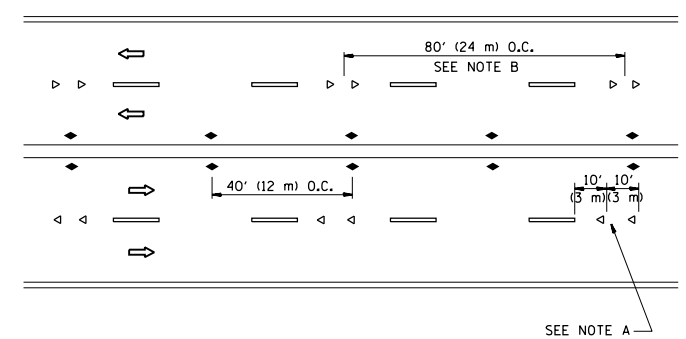
TWO-LANE/TWO-WAY



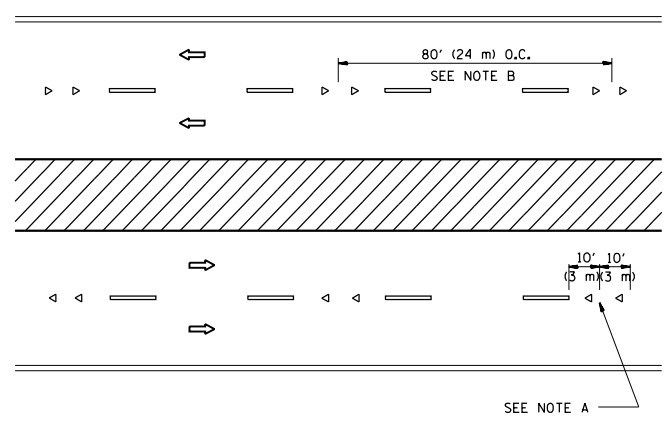
LANE REDUCTION TRANSITION



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

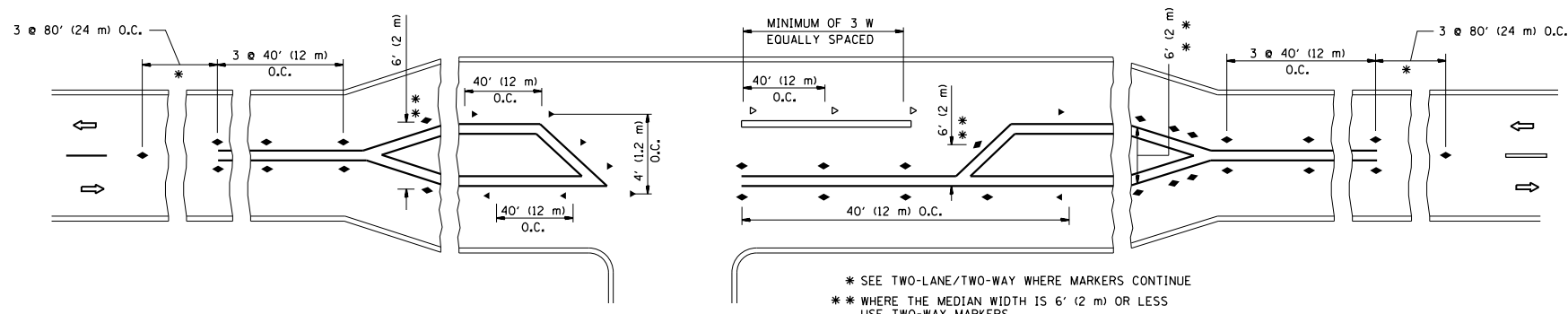
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.

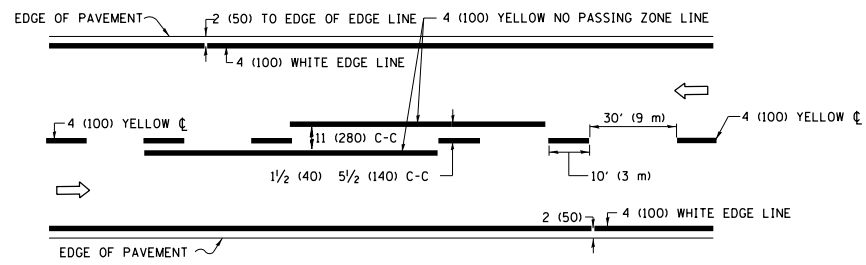


LEFT TURN

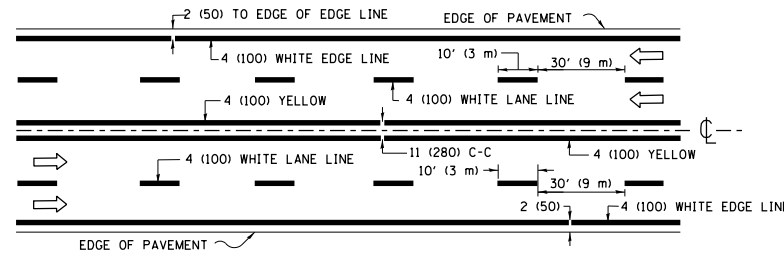
* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

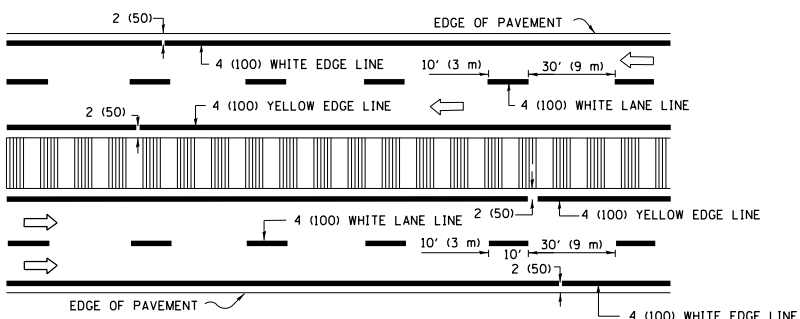
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pw\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI023\DRW\1023\Design\DistStd.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - T. RAMMACHER 03-12-99					1587	(73&3034)RS-5	COOK	43	39
PLOT DATE = 10/26/2016	DATE -	REVISED - T. RAMMACHER 01-06-00	REVISED - C. JUCIUS 09-09-09		TC-11			CONTRACT NO. 60Y84				
					SCALE: NONE			SHEET NO. 1 OF 1 SHEETS		STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



2-LANE ROADWAY

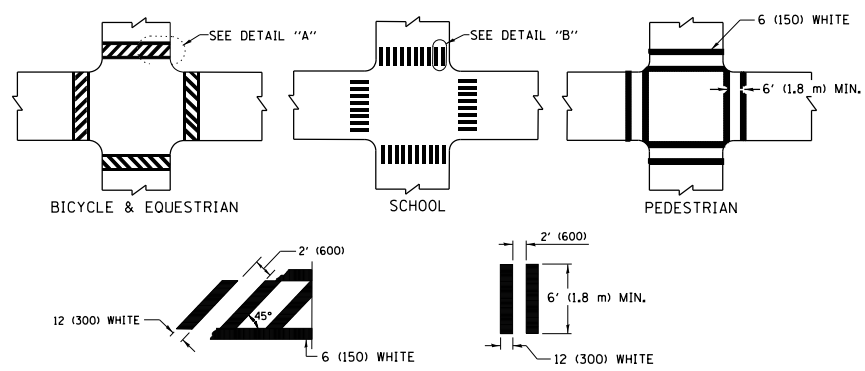


MULTI-LANE UNDIVIDED



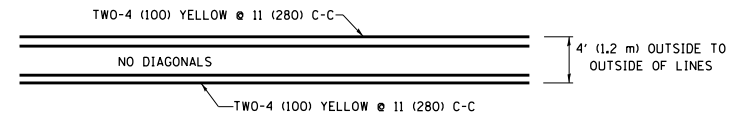
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

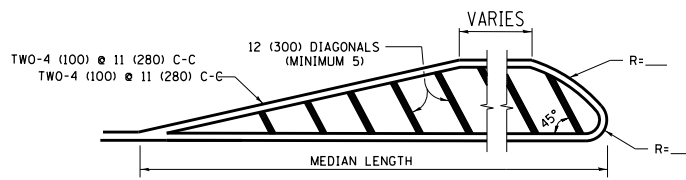


TYPICAL CROSSWALK MARKING

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

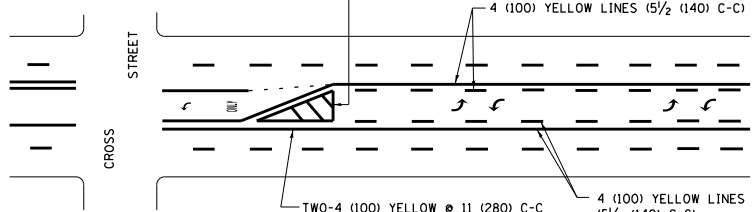


4' (1.2 m) WIDE MEDIANS ONLY



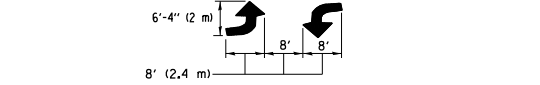
MEDIANS OVER 4' (1.2 m) WIDE

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



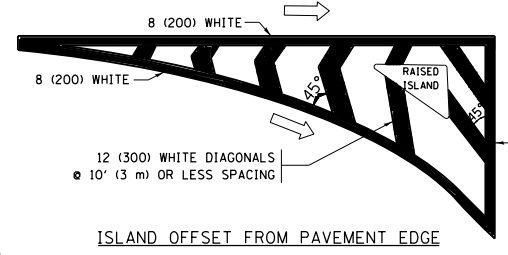
**MEDIAN WITH TWO-WAY LEFT TURN LANE
TYPICAL PAINTED MEDIAN MARKING**

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

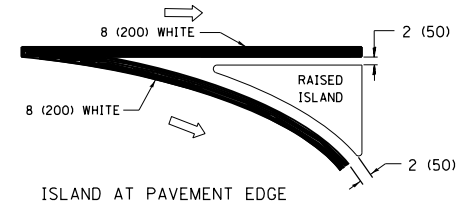


**TYPICAL LEFT (OR RIGHT) TURN LANE
TYPICAL TURN LANE MARKING**

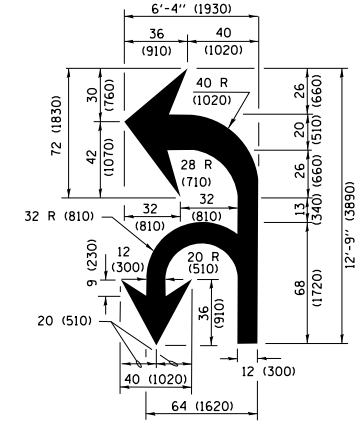
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



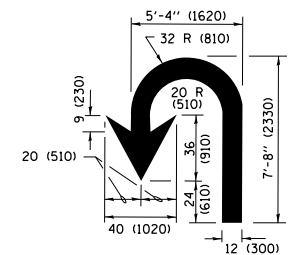
ISLAND OFFSET FROM PAVEMENT EDGE



**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 1/2 (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 1/2 (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 SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

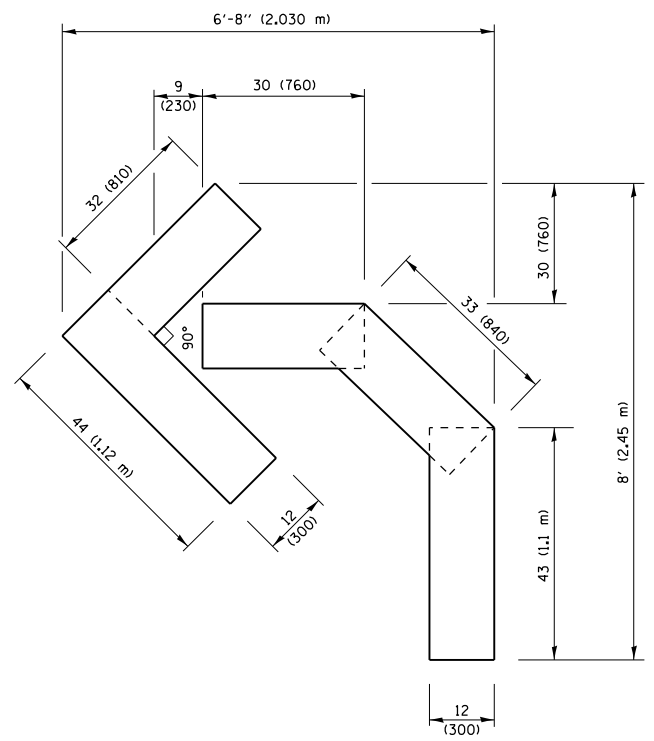
All dimensions are in inches (millimeters) unless otherwise shown.

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Default	PLOT SCALE = 100.0000' / in.	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
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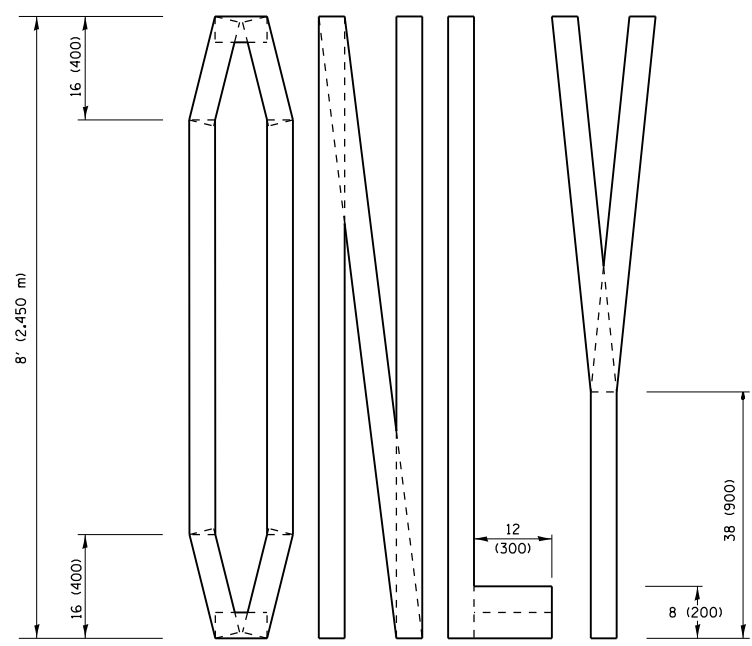
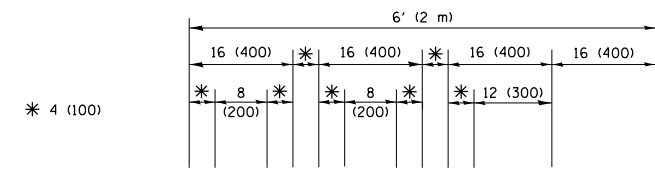
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

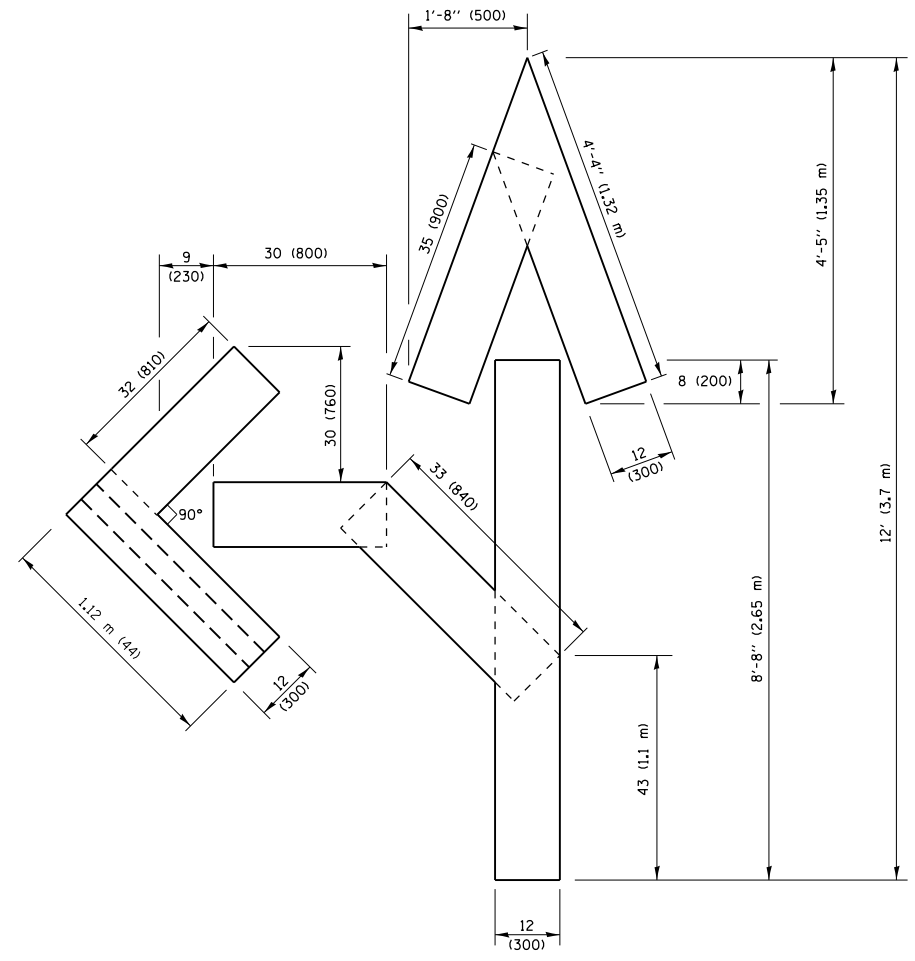
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	(73&3034)RS-5	COOK	43	40
TC-13		CONTRACT NO. 60Y84		
ILLINOIS FED. AID PROJECT				



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

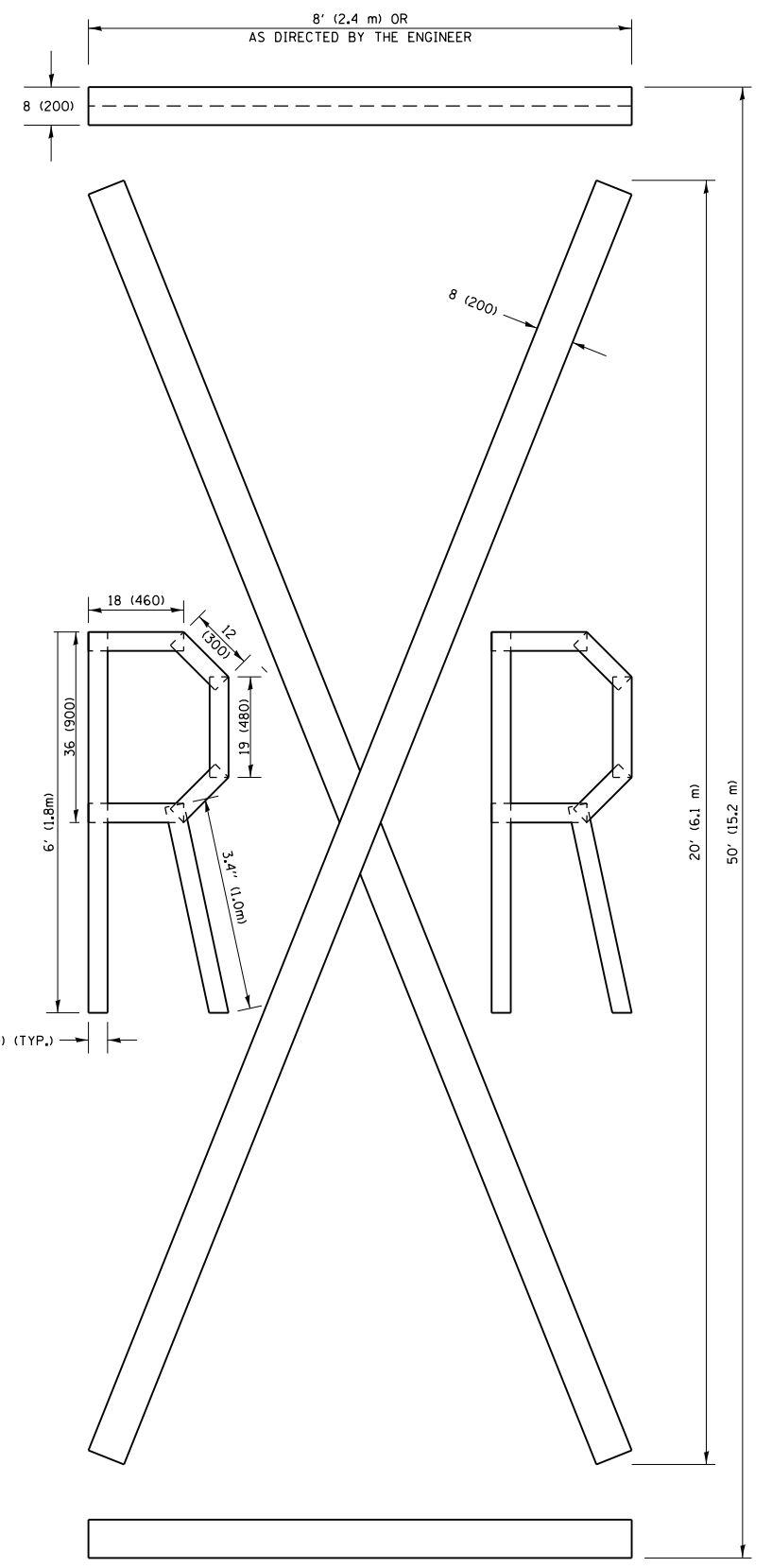


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



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)

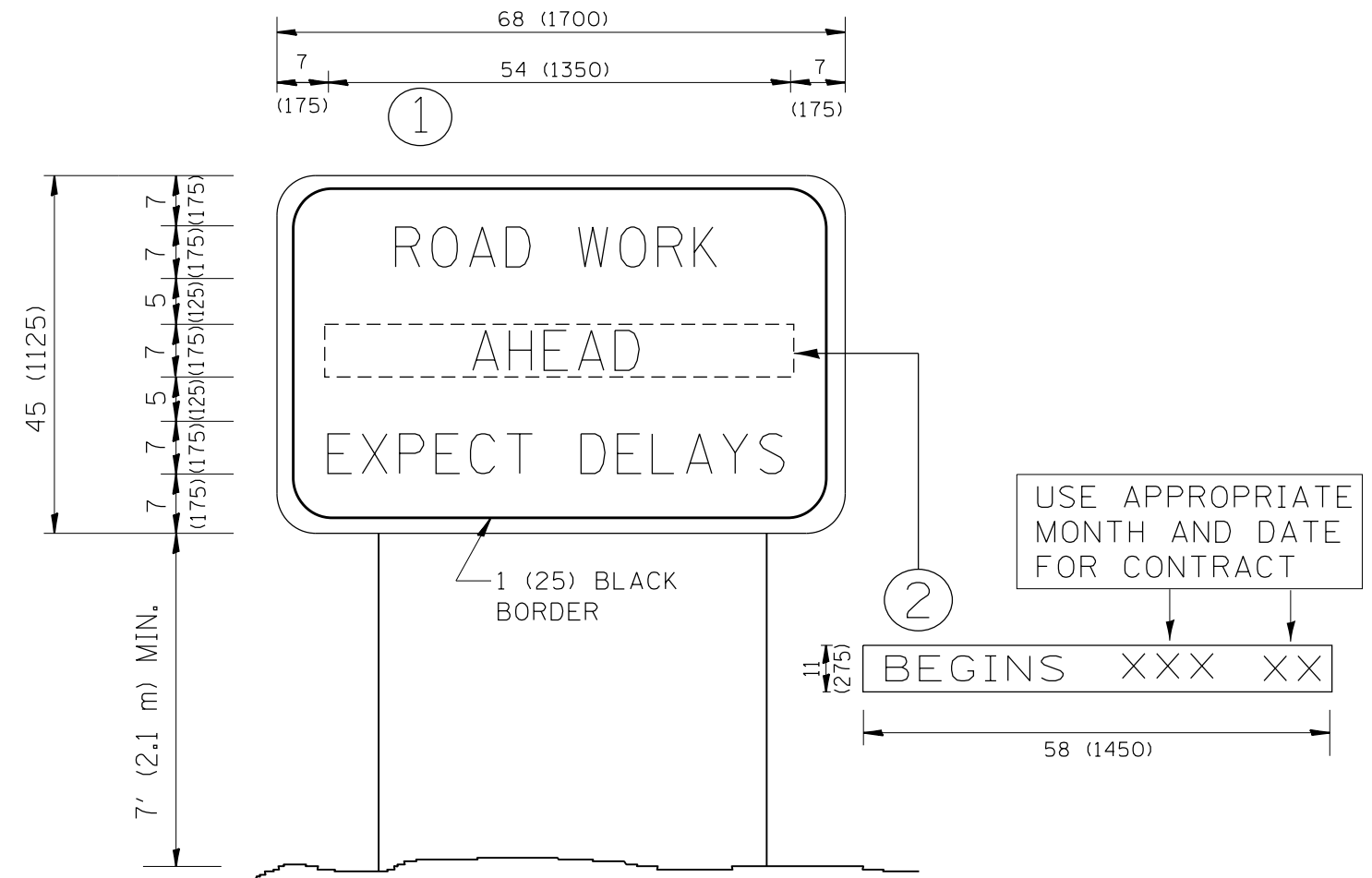
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = valledolidv	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
pw\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\01023\BROWNS\Browns\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. 1587	SECTION (73&3034)RS-5	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 41
TC-16		CONTRACT NO. 60Y84		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

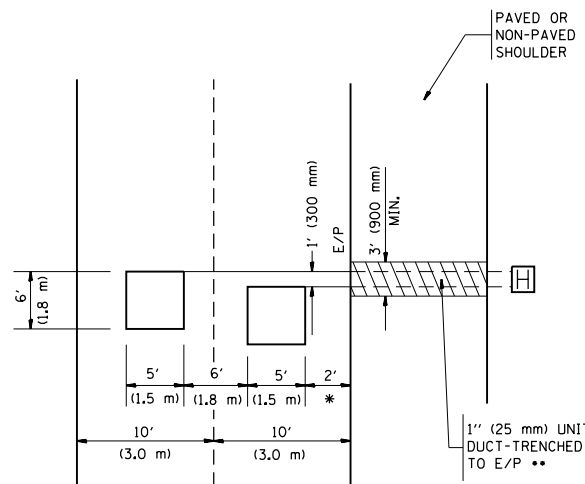
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
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 = valledolidv	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:\11084EBIDINTEG.illinois.gov\PIDOT\Documents\DOT Offices\District 1\Projects\1023\Drawings\Design\DistStd.dgn		REVISED - R. MIRS 12-11-97	REVISED - T. RAMMACHER 02-02-99			1587	(73&3034)RS-5	COOK	43	42	
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - C. JUCIUS 01-31-07				TC-22		CONTRACT NO. 60Y84			
PLOT DATE = 10/26/2016	DATE -					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.



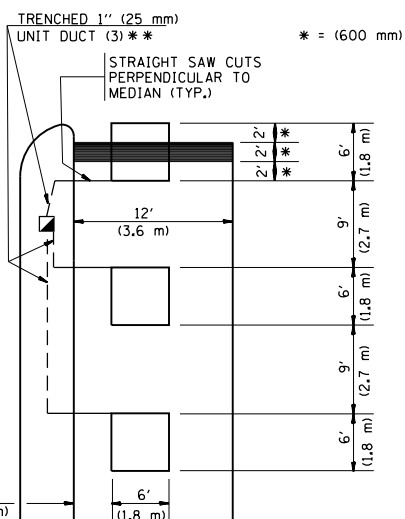
* = (600 mm)

** 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.

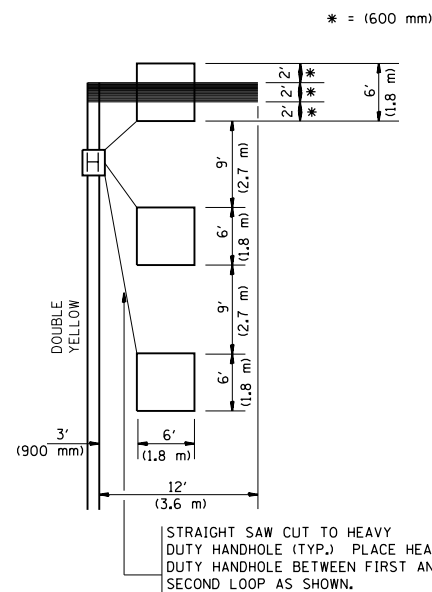


** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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

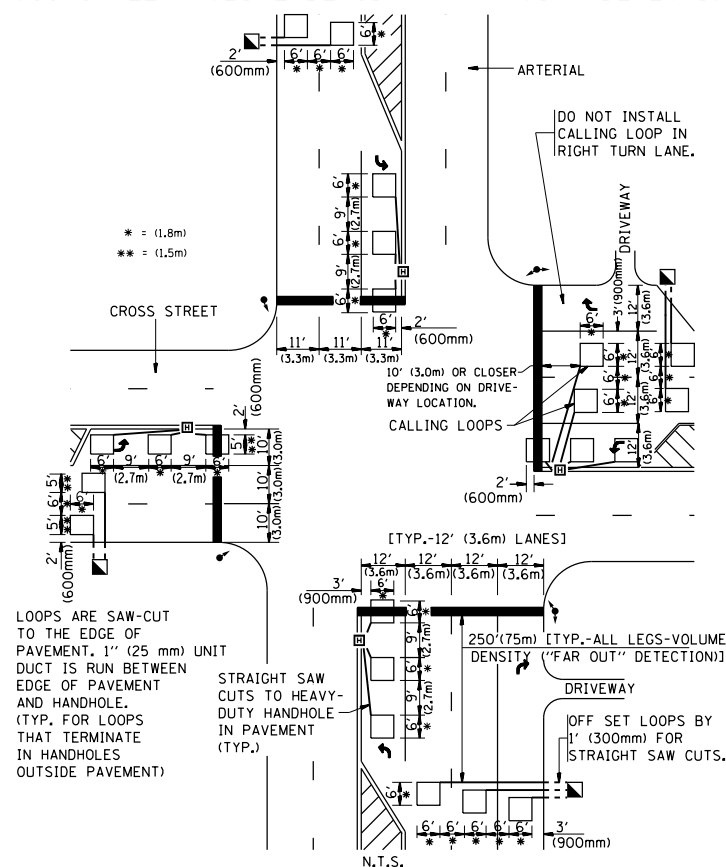
LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)



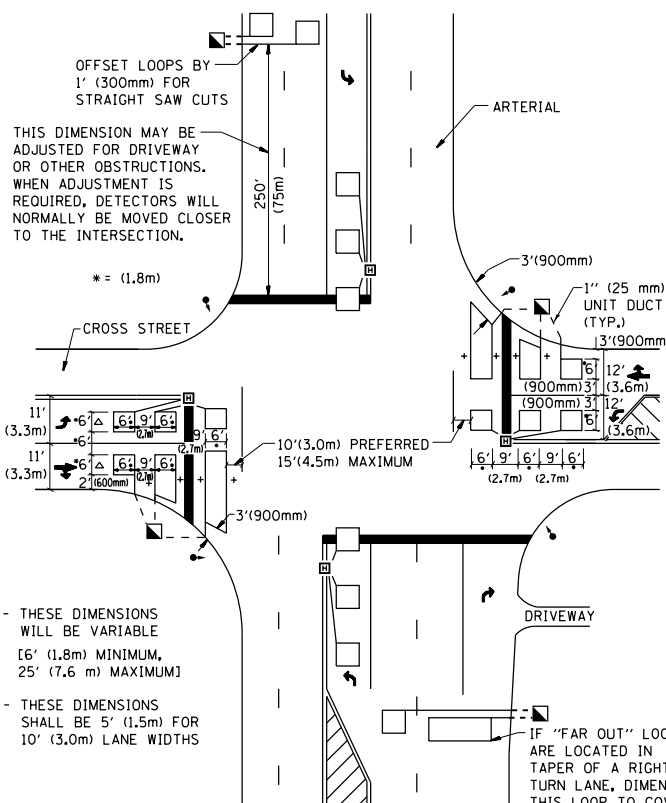
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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 = valledolidv	DESIGNED -	REVISED -
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PLOT SCALE = 100.0000' / 1in.		CHECKED - R.K.F.	REVISED -
PLOT DATE = 10/26/2016		DATE -	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.U. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	(73&3034)RS-5	COOK	43	43
TS-07		CONTRACT NO. 60Y84		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				