

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-RS&SW	COOK	58	1
		ILLINOIS	CONTRACT NO. 62J50	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED
IN THE CITY OF CHICAGO

TRAFFIC DATA

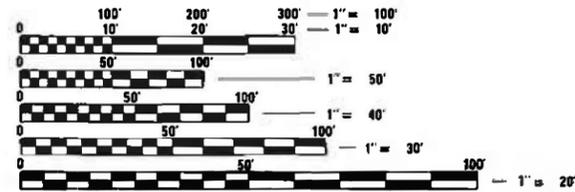
2014 ADT: 20,100 VPD
POSTED SPEED: 30 MPH

**PROPOSED
HIGHWAY PLANS**
FAU ROUTE 2783: NARRAGANSETT AVE.
CORTLAND ST. TO NAGLE AVE.
SECTION: 2019-073-RS&SW
PROJECT: STP-7BP4(798)
STANDARD OVERLAY & ADA IMPROVEMENTS
COOK COUNTY



C-91-438-19

R 13 E



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.

C.U.A.N
CHICAGO UTILITY ALERT NETWORK
(312)-744-7000

PROJECT ENGINEER: J. ALAIN MIDY (847)-221-3056
PROJECT MANAGER: FAWAD AQUEEL (847)-705-4247

CONTRACT NO. 62J50

GROSS LENGTH = 17600 FT = 3.3 MILE
NET LENGTH = 16148 FT = 3.1 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED October 15, 2019
Anthony J. [Signature] REGIONAL ENGINEER
June 26, 2020
[Signature] ENGINEER OF DESIGN AND ENVIRONMENT
June 26, 2020
[Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	COVERSHEET
2	INDEX OF SHEETS & STATE STANDARDS
3	GENERAL NOTES
4 - 7	SUMMARY OF QUANTITIES
8	EXISTING & PROPOSED TYPICAL SECTIONS
9 - 14	ROADWAY & PAVEMENT MARKING PLANS
15 - 27	DETECTOR LOOP PLANS
28	SCHEDULE OF QUANTITIES SIDEWALK DETAIL PLANS
29 - 37	ADA DETAILS
38	PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS (PD-01)
39	CDOT DETAILS FOR P.C. CONCRETE DRIVEWAY, ALLEY RETURN AND SIDEWALK (BD-17)
40	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
41	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
42	BUTT JOINT AND HMA TAPER DETAILS
43	CITY OF CHICAGO CATCH BASIN, INLET AND MANHOLE DETAILS
44	CITY OF CHICAGO DETECTABLE WARNINGS
45	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
46	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
47	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
48	ARTERIAL ROAD INFORMATION SIGN
49	TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS
50 - 52	CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS
53	DRIVEWAY ENTRANCE SIGNING
54	DISTRICT 1- DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING
55 - 57	CDOT STANDARD- FOR REFERENCE ONLY
58	CDOT MANHOLE, LIDS, AND FRAMES STANDARD

STATE STANDARDS

<u>STANDARD NO.</u>	<u>DESCRIPTION</u>
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-04	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS
424021-05	DEPRESSED CORNER
442201-03	CLASS C AND D PATCHES
606001-07	CONC. CURB TYPE B AND COMBINATION CONC. CURB AND GUTTER
701011-04	OFF-RD MOVING OPERATIONS 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS- DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER.
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
814001-03	HANDLES

MODEL: Default
 FILE: \\harris-pc\pub\harris\room\dat\illinois.gov\PWIDOT\Documents\DOT_Offices\District_1\Projects\ID120919\CADD\Drawings\DOT_2019-07-31-2019-08-01\01-INDEX.dgn

USER NAME = khanms	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS & STATE STANDARDS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN -	REVISED -			2783	2019-073-RS & SW	COOK	58	2	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -			CONTRACT NO. 62J50					
PLOT DATE = 10/18/2019	DATE -	REVISED -			SCALE:	SHEET 1 OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "CUAN" AT 312-744-7000 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED).
2. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
3. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIE AND CITY OF CHICAGO,
4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
5. ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
6. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
7. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 INCHES (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (45 KM/H) OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (45 KM/H). WITH WRITTEN APPROVAL FROM THE ENGINEER A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H) OR A NOTCHED LONGITUDINAL WEDGE IS USED.
8. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
9. THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.
10. THE RESIDENT ENGINEER SHALL CONTACT THE AREA TRAFFIC FIELD ENGINEER VIA EMAIL AT KYLIE.VOGRIN@ILLINOIS.GOV, A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKING.
11. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKING SHALL BE AS DIRECTED BY THE ENGINEER.
12. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
13. DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.
14. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
15. LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
16. DRAINAGE ADJUSTMENT, RECONSTRUCTION, OR CLEANING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
17. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
18. FRAMES AND LIDS ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
19. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN.HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
20. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
21. 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 ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
22. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES. THE REMOVAL OF PAVEMENT MARKING TAPE, TYPE III SHALL BE PAID FOR AS SHORT TERM PAVEMENT MARKING REMOVAL.
23. THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM THE BUREAU OF CONSTRUCTION.
24. SIDEWALK RAMPS MODIFICATIONS WITHIN THE LIMITS OF THE PROJECT SHALL CONFORM TO THE APPLICABLE HIGHWAY STANDARDS INCLUDED IN THE PLANS.
25. SIDEWALK REMOVAL AND P.C.C. SIDEWALK 5" LOCATIONS SHALL BE DETERMINED BY THE ENGINEER
26. THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT
27. ALL CITY WATER VALVE VAULTS AND BOXES MUST BE RAMPED AND NOT RECEIVE SPECIAL ADJUSTMENTS DURING PAVING OPERATIONS.
28. PAVEMENT SAW CUTTING AROUND FRAME AND LID ADJUSTMENT SPECIALS SHOULD BE AS REQUIRED BY CHICAGO WATER AND CHICAGO SEWER DEPARTMENT; THIS IS CONSIDERED INCIDENTAL
29. NEW FRAME AND LIDS SHOULD FOLLOW CHICAGO WATER AND SEWER STANDARDS AND SHOULD BE OF HEAVY DUTY SPECIFICATIONS
30. THERE ARE EXISITING SPEED/RED LIGHT CAMERAS WITHIN PROJECT LIMITS

MODEL: Default
 FILE: \\p1barn001\p1barn001\dot\Documents\DOT_Offices\District_1\Projects\2019\19_CADD\Bids\Design\19-073-RS-SW-Engineering.dgn

USER NAME = khanms	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -				2783	2019-073-RS & SW	COOK	58	3
PLOT DATE = 10/18/2019	CHECKED -	REVISED -		SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.		CONTRACT NO. 62J50				
	DATE -	REVISED -		ILLINOIS FED. AID PROJECT						

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		80% FED 20% STATE 0005	100% STATE 0005			
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	9	9				
60262700	INLETS TO BE RECONSTRUCTED	EACH	7	7				
60266600	VALVE BOXES TO BE ADJUSTED	EACH	1	1				
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	62	62				
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	2	2				
60406520	FRAMES AND LIDS, OPEN LID (CITY OF CHICAGO)	EACH	82	82				
60406530	FRAMES AND LIDS, CLOSED LID (CITY OF CHICAGO)	EACH	14	14				
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	45	45				
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	5	5				
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1				
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1				
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	12	12				

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		80% FED 20% STATE 0005	100% STATE 0005			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	9				
67100100	MOBILIZATION	L SUM	1	1				
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1				
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1				
70300100	SHORT TERM PAVEMENT MARKING	FOOT	17616	17616				
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	5872	5872				
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	2405	2405				
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	33848	33848				
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	9039	9039				
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	14922	14922				
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	225	225				
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	3229	3229				
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	4404	4404				

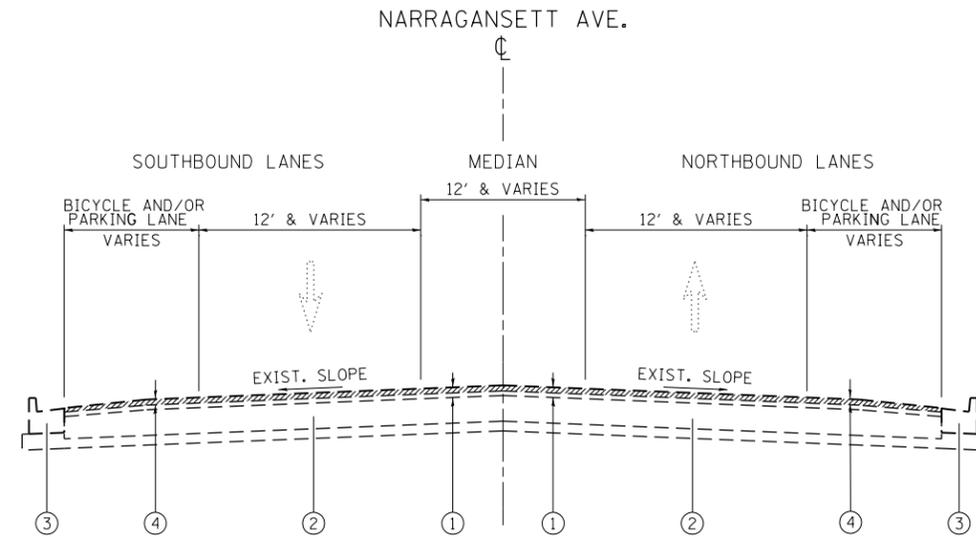
FILE NAME =	USER NAME = khamms	DESIGNED -	REVISED -
p:\planroom\dot\illinois\gov\PI\DOT\Documents\DOT\Offices\District\Projects\DI\2019\CA\CA\Design\DI\2019\sh-	DRAWN -	CHECKED -	REVISED -
	PLLOT SCALE = 100,0000' / 1in	DATE -	REVISED -
	PLLOT DATE = 10/18/2019		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

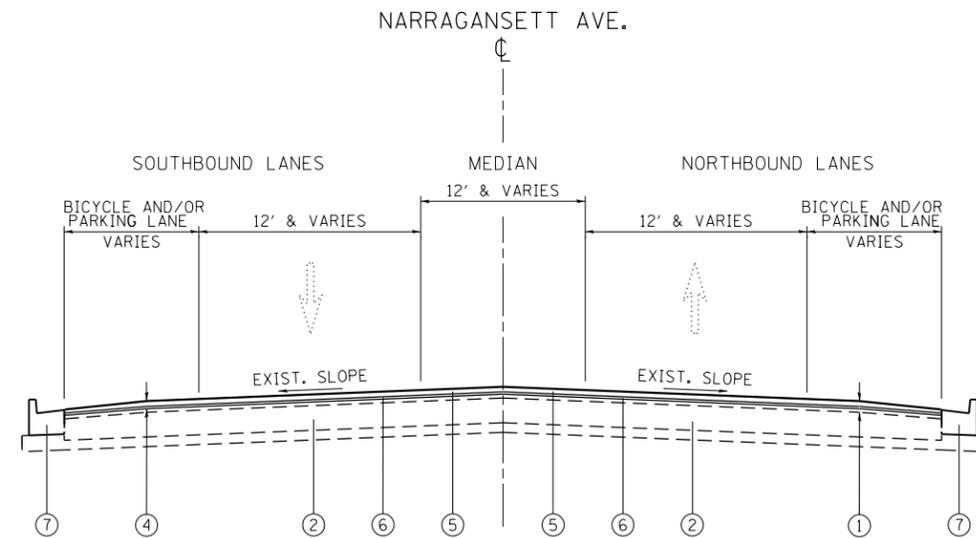
SUMMARY OF QUANTITIES			
SCALE:	SHEET NO. 2 OF 4 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-RS & SW	COOK	58	5
CONTRACT NO. 62J50				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

* SPECIALITY ITEMS; △ NON-PARTICIPATING ITEMS



EXISTING TYPICAL SECTION
STA 29+00 (PROJECT START) TO STA 205+00 (PROJECT END)



PROPOSED TYPICAL SECTION
STA 29+00 (PROJECT START) TO STA 205+00 (PROJECT END)

LEGEND:

- ① EXIST. HOT-MIX ASPHALT SURFACE COURSE 4" (±)
- ② EXIST. PCC PAVEMENT 10" (±)
- ③ EXIST. COMB. CURB AND GUTTER
- ④ PROP. HOT-MIX ASPHALT SURFACE REMOVAL - 2.5"
- ⑤ PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70 (1.5")
- ⑥ PROP. POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 (1")
- ⑦ PROP. CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (LOCATIONS TO BE DETERMINED BY RESIDENT ENGINEER)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS @ Ndes	
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70 (1.5")	4% AT 70 GYR.	OCP
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 (1")	3.5% AT 50 GYR.	OCP
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% AT 70 GYR.	QC/OA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/OA); QUALITY CONTROL FOR PERFORMANCE (QCP)		

NOTES:

1. THE CONTRACTOR SHALL MILL FIRST, THEN PATCH.
2. QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.
3. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE HMA BINDER IL-4.75
4. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112/LBS/SQYD/IN.
5. 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.
6. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS

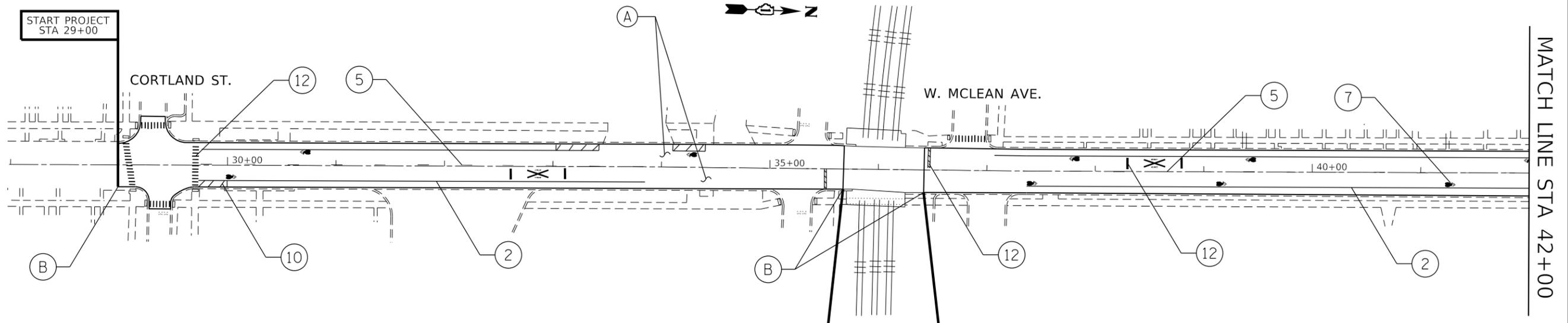
MODEL: Default
FILE: h:\mhc\p\pub\haronom.d\illinois.gov\RWIDOT\Documents\DOT_Offices\District_1\Projects\120919\CADD\Drawings\120919_sht-ty-cal.dgn

USER NAME = khanms	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

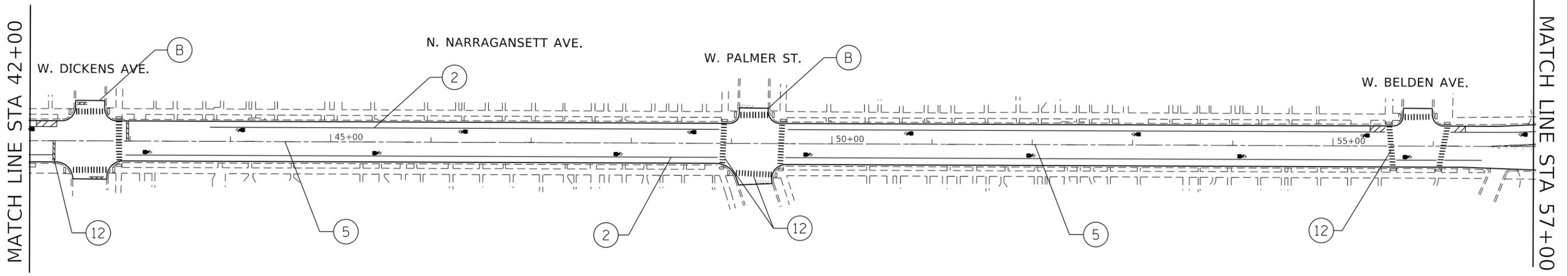
EXISTING AND PROPOSED TYPICAL SECTIONS			
NARRAGANSETT AVE: CORTLAND ST. TO NAGLE AVE.			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-RS & SW	COOK	58	8
CONTRACT NO. 62J50				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND			
①	PROP. 8" WHITE THERMO. PLASTIC PVT. MRK. LETTERS AND SYMBOLS (TYP.)	⑨	PROP. THERMO PLASTIC PVT. MRK.-8" GORE MRK., SOLID WHITE (TYP.)
②	PROP. THERMO. PLASTIC PVT. MRK.-4" EDGELINE, SOLID WHITE (TYP.)	⑩	PROP. THERMO PLASTIC PVT. MRK.-12" DIAGONAL MRK., CHEVRON WHITE (TYP.)
③	PROP. THERMO PLASTIC PVT. MRK.-4" DOUBLE YELLOW (TYP.)	⑪	PROP. THERMO PLASTIC PVT. MRK.-12" DIAGONAL, YELLOW (TYP.)
④	PROP. THERMO PLASTIC PVT. MRK.-4" 6' DASH-18' SKIP, WHITE (TYP.)	⑫	PROP. THERMO PLASTIC PVT. MRK.-24" WHITE (TYP.)
⑤	PROP. THERMO PLASTIC PVT. MRK.-4" 6' DASH-18' SKIP, YELLOW (TYP.)		
⑥	PROP. THERMO PLASTIC PVT. MRK.-6" SOLID LINE, WHITE (TYP.)		
⑦	PROP. HOT SPRAY THERMO FOR BIKE SYMBOLS		
⑧	PROP. THERMO PLASTIC PVT. MRK.-6" DOTTED LINE, WHITE (2' DASH, 6' SKIP) (TYP.)		

ROADWAY PROPOSED WORK LEGEND	
Ⓐ	PROP. HMA SURFACE REMOVAL 2 1/2" PROP. HMA SURFACE COURSE, IL-9.5, MIX "D", N70 (1 1/2") PROP. POLY. HMA BINDER COURSE, IL-4.75, N50 (1.0")
Ⓑ	PROP. HMA SURFACE REMOVAL - BUTT JOINT LIMIT OF RESURFACING
Ⓒ	PROP. P.C.C. SIDEWALK CURB RAMP IMPROVEMENT (SEE DETAIL SHEET)



MODEL: Default
 FILE: \\narragansett\pub\pubroom\dat\illinois\pwr\DOT\Documents\DOT_Offices\District 1\Projects\120919\CADD\Drawings\120919\19-073-R5&SW.dgn

USER NAME = khanms	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2019	CHECKED -	REVISED -
	DATE -	REVISED -

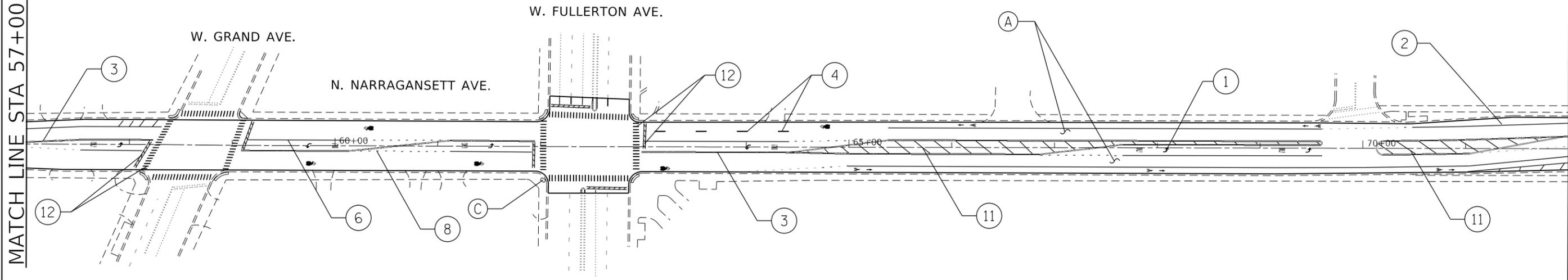
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLAN
NARRAGANSETT AVE. (ROSCOE ST. TO NAGLE AVE.)
 SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-R5&SW	COOK	58	9
CONTRACT NO. 62J50				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA 57+00

MATCH LINE STA 72+00

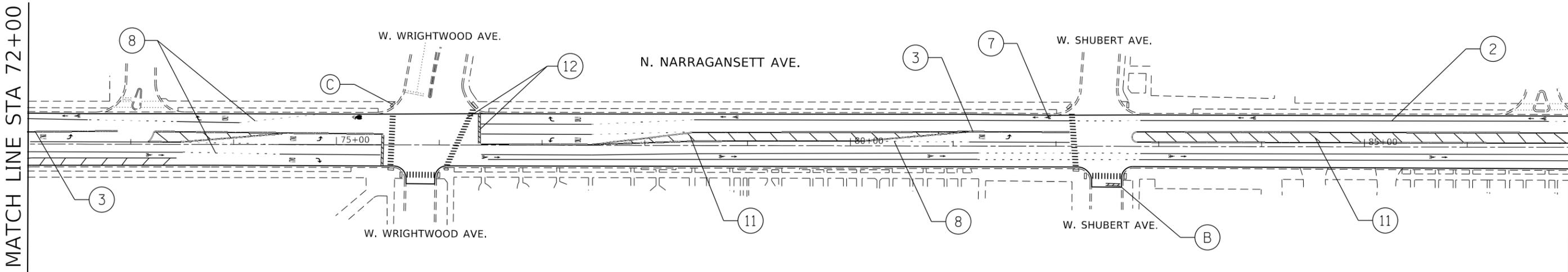


PAVEMENT MARKING LEGEND			
①	PROP. 8' WHITE THERMO. PLASTIC PVT. MRK. LETTERS AND SYMBOLS (TYP.)	⑨	PROP. THERMO PLASTIC PVT. MRK.-8" GORE MRK., SOLID WHITE (TYP.)
②	PROP. THERMO. PLASTIC PVT. MRK.-4" EDGELINE, SOLID WHITE (TYP.)	⑩	PROP. THERMO PLASTIC PVT. MRK.-12" DIAGONAL MRK., CHEVRON WHITE (TYP.)
③	PROP. THERMO PLASTIC PVT. MRK.-4" DOUBLE YELLOW (TYP.)	⑪	PROP. THERMO PLASTIC PVT. MRK.-12" DIAGONAL, YELLOW (TYP.)
④	PROP. THERMO PLASTIC PVT. MRK.-4" 6' DASH-18' SKIP, WHITE (TYP.)	⑫	PROP. THERMO PLASTIC PVT. MRK.-24" WHITE (TYP.)
⑤	PROP. THERMO PLASTIC PVT. MRK.-4" 6' DASH-18' SKIP, YELLOW (TYP.)		
⑥	PROP. THERMO PLASTIC PVT. MRK.-6" SOLID LINE, WHITE (TYP.)		
⑦	PROP. HOT SPRAY THERMO FOR BIKE SYMBOLS		
⑧	PROP. THERMO PLASTIC PVT. MRK.-6" DOTTED LINE, WHITE (2' DASH, 6' SKIP) (TYP.)		

ROADWAY PROPOSED WORK LEGEND	
Ⓐ	PROP. HMA SURFACE REMOVAL 2 1/2" PROP. HMA SURFACE COURSE, IL-9.5, MIX "D", N70 (1 1/2") PROP. POLY. HMA BINDER COURSE, IL-4.75, N50 (1.0")
Ⓑ	PROP. HMA SURFACE REMOVAL - BUTT JOINT LIMIT OF RESURFACING
Ⓒ	PROP. P.C.C. SIDEWALK CURB RAMP IMPROVEMENT (SEE DETAIL SHEET)

MATCH LINE STA 72+00

MATCH LINE STA 87+00



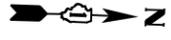
MODEL: Default
FILE: h:\mhc\p\pub\harcam.dwg
PROJECT: 120919\CADD\Drawings\DOT\Office\Drawings\120919\harcam.dwg

USER NAME = khanms	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

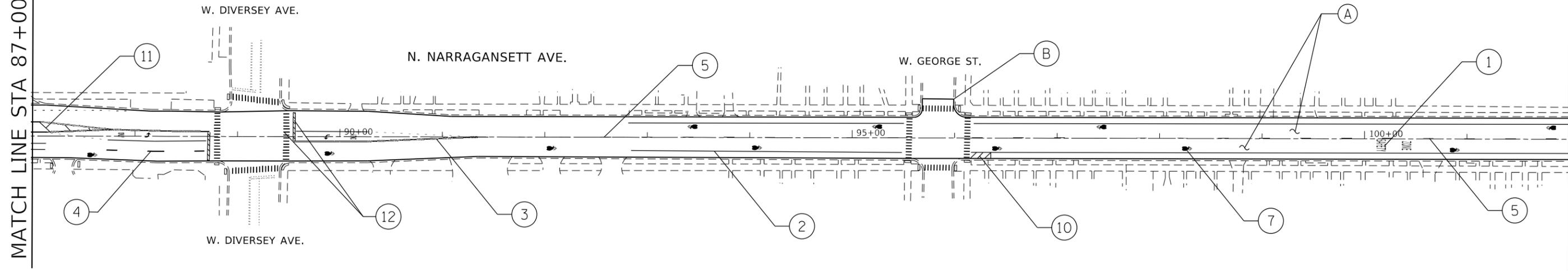
EXISTING AND PROPOSED ROADWAY PLAN	
NARRAGANSETT AVE. (ROSCOE ST. TO NAGLE AVE.)	
SCALE: 1" = 50'	SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-RS & SW	COOK	58	10
CONTRACT NO. 62150				
ILLINOIS FED. AID PROJECT				



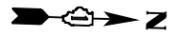
MATCH LINE STA 87+00

MATCH LINE STA 102+00



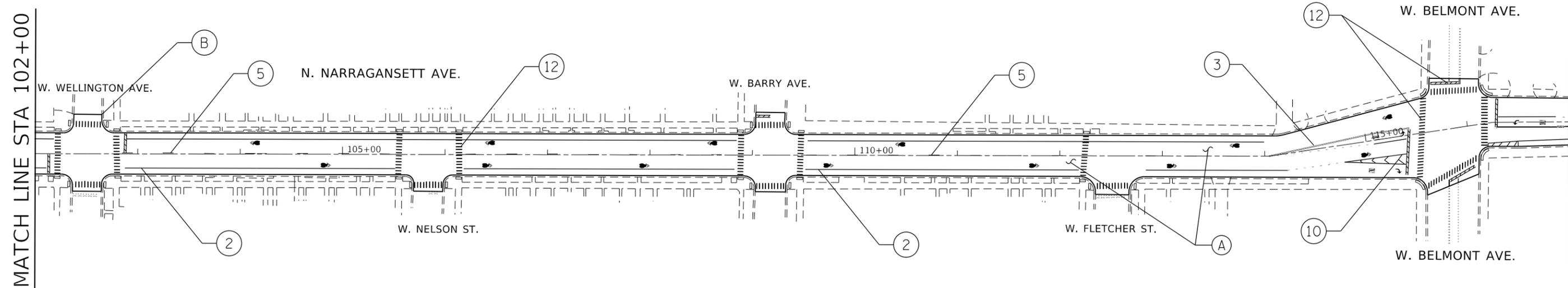
PAVEMENT MARKING LEGEND			
①	PROP. 8" WHITE THERMO. PLASTIC PVT. MRK. LETTERS AND SYMBOLS (TYP.)	⑨	PROP. THERMO PLASTIC PVT. MRK.-8" GORE MRK., SOLID WHITE (TYP.)
②	PROP. THERMO. PLASTIC PVT. MRK.-4" EDGELINE, SOLID WHITE (TYP.)	⑩	PROP. THERMO PLASTIC PVT. MRK.-12" DIAGONAL MRK., CHEVRON WHITE (TYP.)
③	PROP. THERMO PLASTIC PVT. MRK.-4" DOUBLE YELLOW (TYP.)	⑪	PROP. THERMO PLASTIC PVT. MRK.-12" DIAGONAL, YELLOW (TYP.)
④	PROP. THERMO PLASTIC PVT. MRK.-4" 6' DASH-18' SKIP, WHITE (TYP.)	⑫	PROP. THERMO PLASTIC PVT. MRK.-24" WHITE (TYP.)
⑤	PROP. THERMO PLASTIC PVT. MRK.-4" 6' DASH-18' SKIP, YELLOW (TYP.)		
⑥	PROP. THERMO PLASTIC PVT. MRK.-6" SOLID LINE, WHITE (TYP.)		
⑦	PROP. HOT SPRAY THERMO FOR BIKE SYMBOLS		
⑧	PROP. THERMO PLASTIC PVT. MRK.-6" DOTTED LINE, WHITE (2' DASH, 6' SKIP) (TYP.)		

ROADWAY PROPOSED WORK LEGEND	
Ⓐ	PROP. HMA SURFACE REMOVAL 2 1/2" PROP. HMA SURFACE COURSE, IL-9.5, MIX "D", N70 (1 1/2") PROP. POLY. HMA BINDER COURSE, IL-4.75, N50 (1.0")
Ⓑ	PROP. HMA SURFACE REMOVAL - BUTT JOINT LIMIT OF RESURFACING
Ⓒ	PROP. P.C.C. SIDEWALK CURB RAMP IMPROVEMENT (SEE DETAIL SHEET)



MATCH LINE STA 102+00

MATCH LINE STA 117+00



MODEL: Default
FILE: h:\mhc\p\pub\harronm.dwg
PROJECT: 120919\Cadd\Drawings\DOT\Office\Drawings\120919\Cadd\Drawings\120919\harronm.dwg

USER NAME = khanms	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2019	CHECKED -	REVISED -
	DATE -	REVISED -

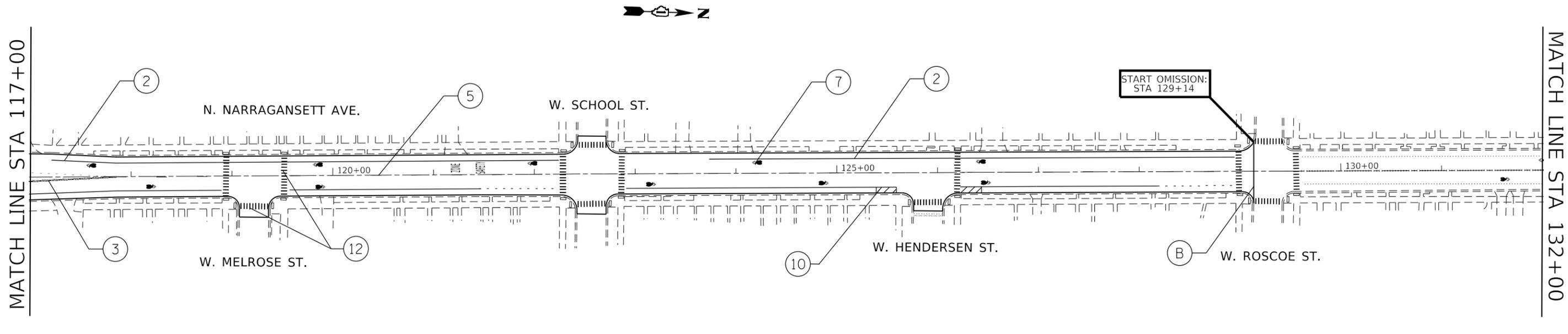
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING AND PROPOSED ROADWAY PLAN	
NARRAGANSETT AVE. (ROSCOE ST. TO NAGLE AVE.)	
SCALE: 1" = 50'	SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-RS & SW	COOK	58	11
CONTRACT NO. 62150				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA 117+00

MATCH LINE STA 132+00

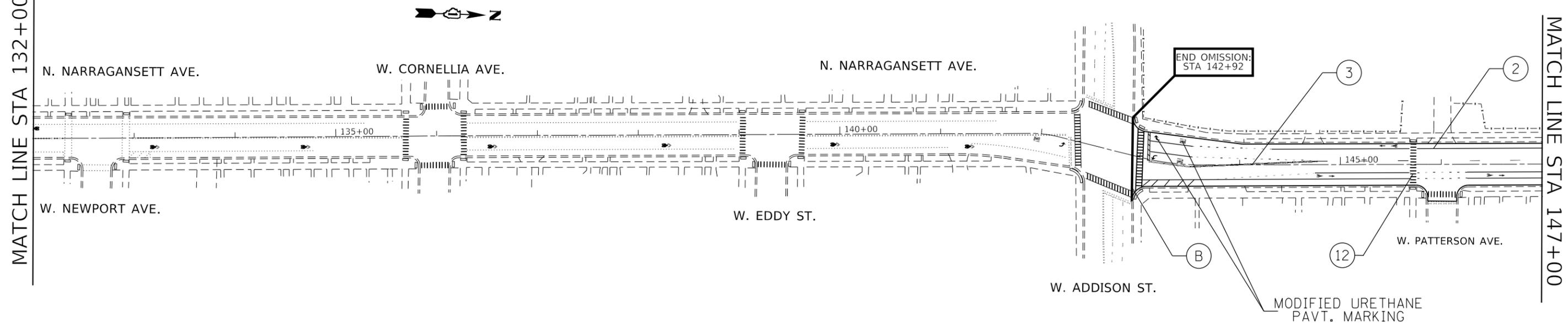


PAVEMENT MARKING LEGEND			
①	PROP. 8" WHITE THERMO. PLASTIC PVT. MRK. LETTERS AND SYMBOLS (TYP.)	⑨	PROP. THERMO PLASTIC PVT. MRK.-8" GORE MRK., SOLID WHITE (TYP.)
②	PROP. THERMO. PLASTIC PVT. MRK.-4" EDGELINE, SOLID WHITE (TYP.)	⑩	PROP. THERMO PLASTIC PVT. MRK.-12" DIAGONAL MRK., CHEVRON WHITE (TYP.)
③	PROP. THERMO PLASTIC PVT. MRK.-4" DOUBLE YELLOW (TYP.)	⑪	PROP. THERMO PLASTIC PVT. MRK.-12" DIAGONAL, YELLOW (TYP.)
④	PROP. THERMO PLASTIC PVT. MRK.-4" 6' DASH-18' SKIP, WHITE (TYP.)	⑫	PROP. THERMO PLASTIC PVT. MRK.-24" WHITE (TYP.)
⑤	PROP. THERMO PLASTIC PVT. MRK.-4" 6' DASH-18' SKIP, YELLOW (TYP.)		
⑥	PROP. THERMO PLASTIC PVT. MRK.-6" SOLID LINE, WHITE (TYP.)		
⑦	PROP. HOT SPRAY THERMO FOR BIKE SYMBOLS		
⑧	PROP. THERMO PLASTIC PVT. MRK.-6" DOTTED LINE, WHITE (2' DASH, 6' SKIP) (TYP.)		

ROADWAY PROPOSED WORK LEGEND	
Ⓐ	PROP. HMA SURFACE REMOVAL 2 1/2" PROP. HMA SURFACE COURSE, IL-9.5, MIX "D", N70 (1 1/2") PROP. POLY. HMA BINDER COURSE, IL-4.75, N50 (1.0")
Ⓑ	PROP. HMA SURFACE REMOVAL - BUTT JOINT LIMIT OF RESURFACING
Ⓒ	PROP. P.C.C. SIDEWALK CURB RAMP IMPROVEMENT (SEE DETAIL SHEET)

MATCH LINE STA 132+00

MATCH LINE STA 147+00



MODEL: Default
 FILE: \\narragansett\pub\pubroom\dat\illinois\gov\pww\DOT\Documents\DOT - Offices\District 1\Projects\120919\CD\Drawings\Design\120919\rs-ehs-ahb.dgn

USER NAME = khanms	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLAN			
NARRAGANSETT AVE. (ROSCOE ST. TO NAGLE AVE.)			
SCALE: 1"= 50'	SHEET	OF SHEETS	STA. TO STA.

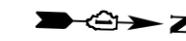
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-RS & SW	COOK	58	12
CONTRACT NO. 62150				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA 147+00

MATCH LINE STA 162+00

MATCH LINE STA 162+00

MATCH LINE STA 177+00



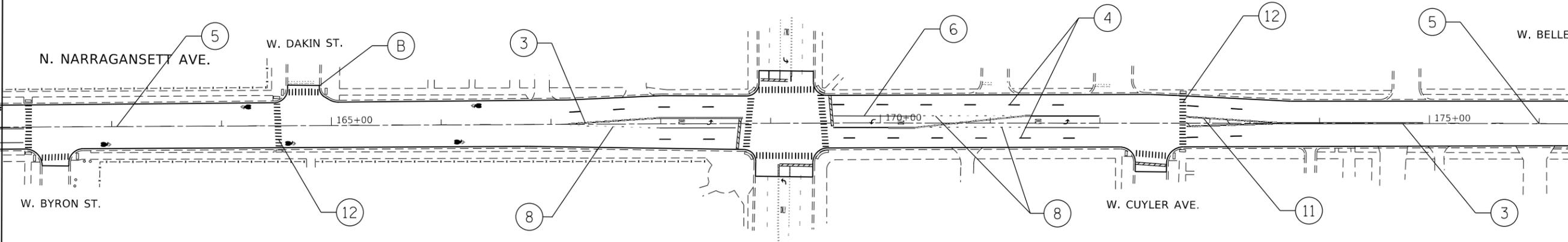
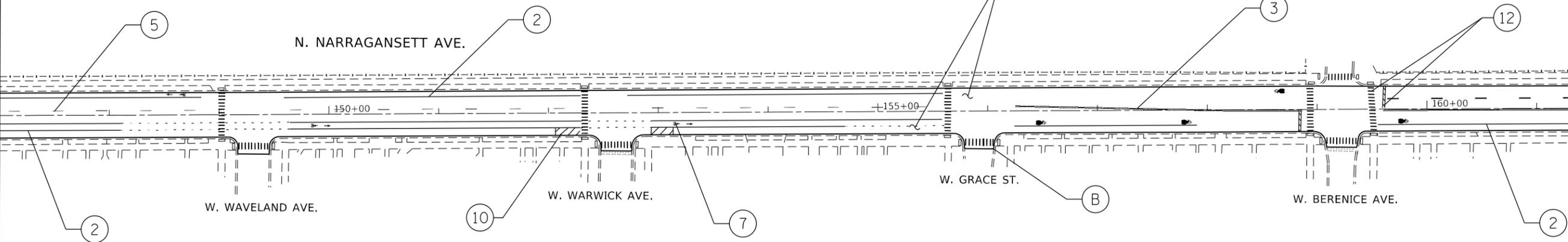
N. NARRAGANSETT AVE.

IL. RTE. 19
(W. IRVING PARK RD.)

IL. RTE. 19
(W. IRVING PARK RD.)

PAVEMENT MARKING LEGEND			
①	PROP. 8" WHITE THERMO. PLASTIC PVT. MRK. LETTERS AND SYMBOLS (TYP.)	⑨	PROP. THERMO PLASTIC PVT. MRK.-8" GORE MRK., SOLID WHITE (TYP.)
②	PROP. THERMO. PLASTIC PVT. MRK.-4" EDGELINE, SOLID WHITE (TYP.)	⑩	PROP. THERMO PLASTIC PVT. MRK.-12" DIAGONAL MRK., CHEVRON WHITE (TYP.)
③	PROP. THERMO PLASTIC PVT. MRK.-4" DOUBLE YELLOW (TYP.)	⑪	PROP. THERMO PLASTIC PVT. MRK.-12" DIAGONAL, YELLOW (TYP.)
④	PROP. THERMO PLASTIC PVT. MRK.-4" 6' DASH-18' SKIP, WHITE (TYP.)	⑫	PROP. THERMO PLASTIC PVT. MRK.-24" WHITE (TYP.)
⑤	PROP. THERMO PLASTIC PVT. MRK.-4" 6' DASH-18' SKIP, YELLOW (TYP.)		
⑥	PROP. THERMO PLASTIC PVT. MRK.-6" SOLID LINE, WHITE (TYP.)		
⑦	PROP. HOT SPRAY THERMO FOR BIKE SYMBOLS		
⑧	PROP. THERMO PLASTIC PVT. MRK.-6" DOTTED LINE, WHITE (2' DASH, 6' SKIP) (TYP.)		

ROADWAY PROPOSED WORK LEGEND	
Ⓐ	PROP. HMA SURFACE REMOVAL 2 1/2" PROP. HMA SURFACE COURSE, IL-9.5, MIX "D", N70 (1 1/2") PROP. POLY. HMA BINDER COURSE, IL-4.75, N50 (1.0")
Ⓑ	PROP. HMA SURFACE REMOVAL - BUTT JOINT LIMIT OF RESURFACING
Ⓒ	PROP. P.C.C. SIDEWALK CURB RAMP IMPROVEMENT (SEE DETAIL SHEET)



MODEL: Default
 FILE: h:\mhc\p\pub\harramom.dwg
 PROJECT: 2019-073-RS & SW
 OFFICE: District 1
 DESIGNED: khanms
 DRAWN: -
 CHECKED: -
 DATE: 10/18/2019

USER NAME = khanms	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2019	CHECKED -	REVISED -
	DATE -	REVISED -

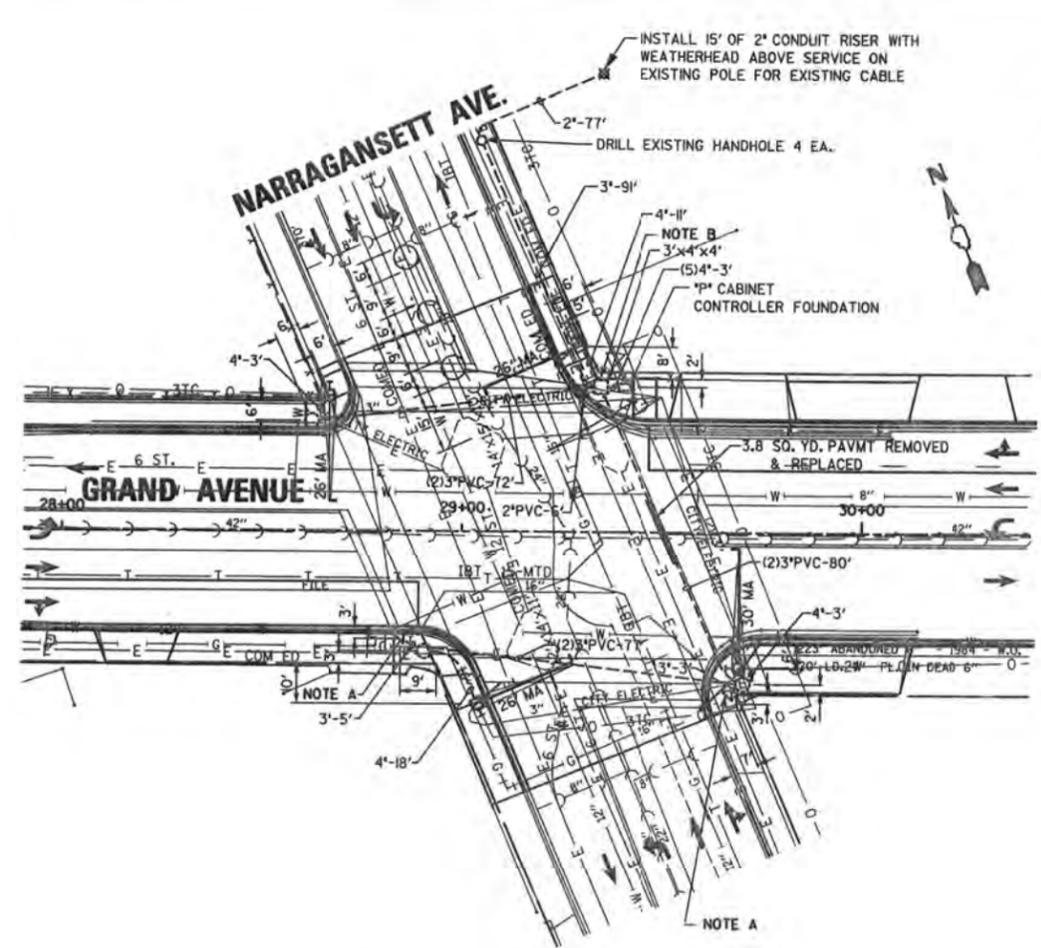
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLAN
NARRAGANSETT AVE. (ROSCOE ST. TO NAGLE AVE.)

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-RS & SW	COOK	58	13
CONTRACT NO. 62150				
ILLINOIS FED. AID PROJECT				

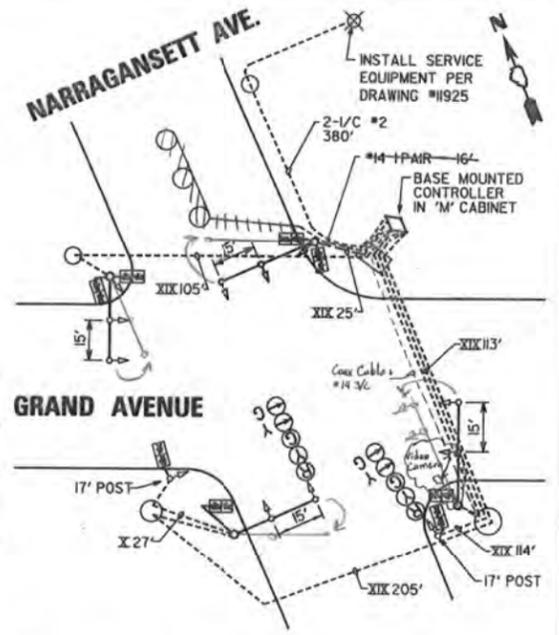
F.A.U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
92-B4007-00-RS	COOK	148	51	
STA. TO STA.				
REL. AND DEL. NO.		DATE	FILE NO. PROJECT	



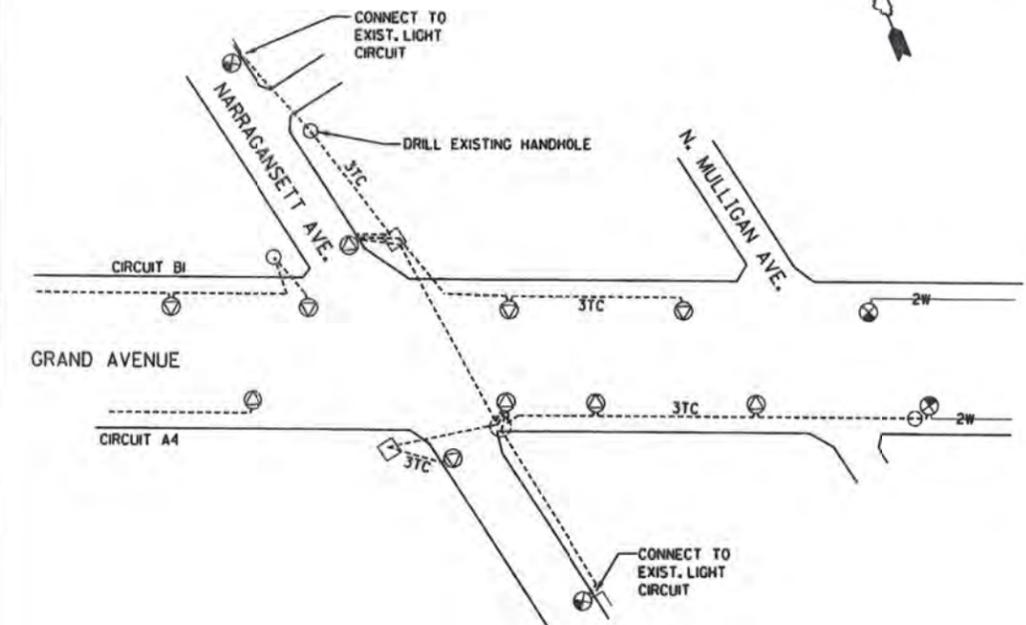
FOUNDATION AND CONDUIT PLAN
SCALE: 1"=20'

- NOTES:
- A - LOCATE NEAR RIGHT SIGNAL AT STOP BAR.
 - B - CONNECT EXISTING 2" CONDUIT TO PROPOSED MANHOLE.
- INSTALL PROPOSED CONDUITS WHILE EXISTING PAVEMENT AND SIDEWALK ARE REMOVED.
- THE CONTRACTOR SHALL MAINTAIN THE EXISTING SIGNALS IN SATISFACTORY OPERATING CONDITION, IF REQUIRED.
- PROPOSED MANHOLE TO BE 3'x4'x4'.
- PROPOSED HANDHOLES TO BE 30"x36", 24" FRAME AND LID.
- ADJUST PROPOSED FOUNDATION LOCATIONS TO AVOID EXISTING FOUNDATIONS FOR TEMP. SIGNALS

FOR CODE, SEE DRAWING #826



SIGNAL AND CABLE PLAN
NOT TO SCALE



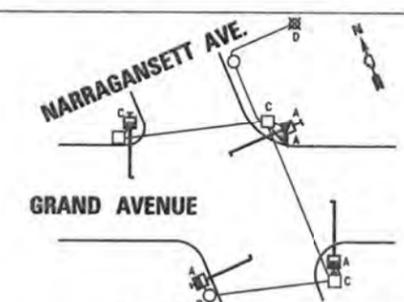
LUMINAIRE WIRING DIAGRAM
NOT TO SCALE

NO DETECTOR LOOPS AT INTERSECTION AS BUILT FOR REFERENCE ONLY

NO.	BY	DATE	DESCRIPTION
REVISIONS			
GRAND AVENUE IMPROVEMENT			
PROPOSED TRAFFIC SIGNAL GRAND AVE. AT NARRAGANSETT AVE. FOUNDATION AND CONDUIT PLAN			
CONSULTANT			
EJM ENGINEERING PC 41 South Wells Street Suite 800 Chicago, Illinois 60607			
DRAWN BY	PRK	SHEET NO.	13973
CHECKED BY	JM		
APPROVED BY			
DATE	04/27/03		
SCALE	1"=20'		
CONTRACT NO.	D 09254901	PROJECT NO.	1819

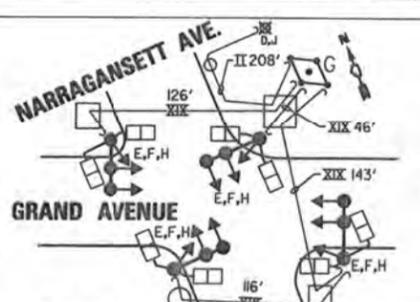
RECORD DRAWINGS
HECKER AND COMPANY, INC.
By: *[Signature]* Date: 2/1/05

	A	B	C
AM	23+(3+1)	7+(3+0)	24+(3+1)
PM	22+(3+1)	12+(3+0)	20+(3+1)
GREEN + (AMBER+ALL RED) 65 SEC. CYCLES			



FOUNDATION REMOVAL PLAN
NOT TO SCALE

- REMOVAL LEGEND
- A - BREAKDOWN FOUNDATION
 - B - REMOVE EXISTING HANDHOLE
 - C - REMOVE EXISTING MANHOLE
 - D - REMOVE EXISTING SERVICE INSTALLATION
 - E - REMOVE EXISTING SIGNAL HEAD(S)
 - F - REMOVE EXISTING PEDESTRIAN HEAD(S)
 - G - REMOVE EXISTING CONTROLLER AND PEDESTAL
 - H - REMOVE EXISTING MCNOTUBE MAST ARM
 - J - REMOVE EXISTING SERVICE



CABLE AND SIGNAL REMOVAL PLAN
NOT TO SCALE

NO.	BY	DATE	DESCRIPTION
REVISIONS			

GRAND AVENUE IMPROVEMENT
INTERSECTION LUMINAIRE WIRING
TRAFFIC SIGNAL REMOVAL
FOUNDATION AND CONDUIT PLAN

CITY OF CHICAGO	
DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAYS	
DRAWN BY: PRK	SHEET NO. 51
CHECKED BY: JM	
APPROVED BY:	
DATE: 04/22/03	
SCALE: 1"=20'	
CONTRACT NO.:	PROJECT NO. 1819

MODEL: Default
 FILE: \\hpc\p\pub\hpc\p\pub\dot\Documents\DOT Office\Drawings\1\Projects\120919\CADD\Drawings\120919\05-04-03.dwg

USER NAME = khanms	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

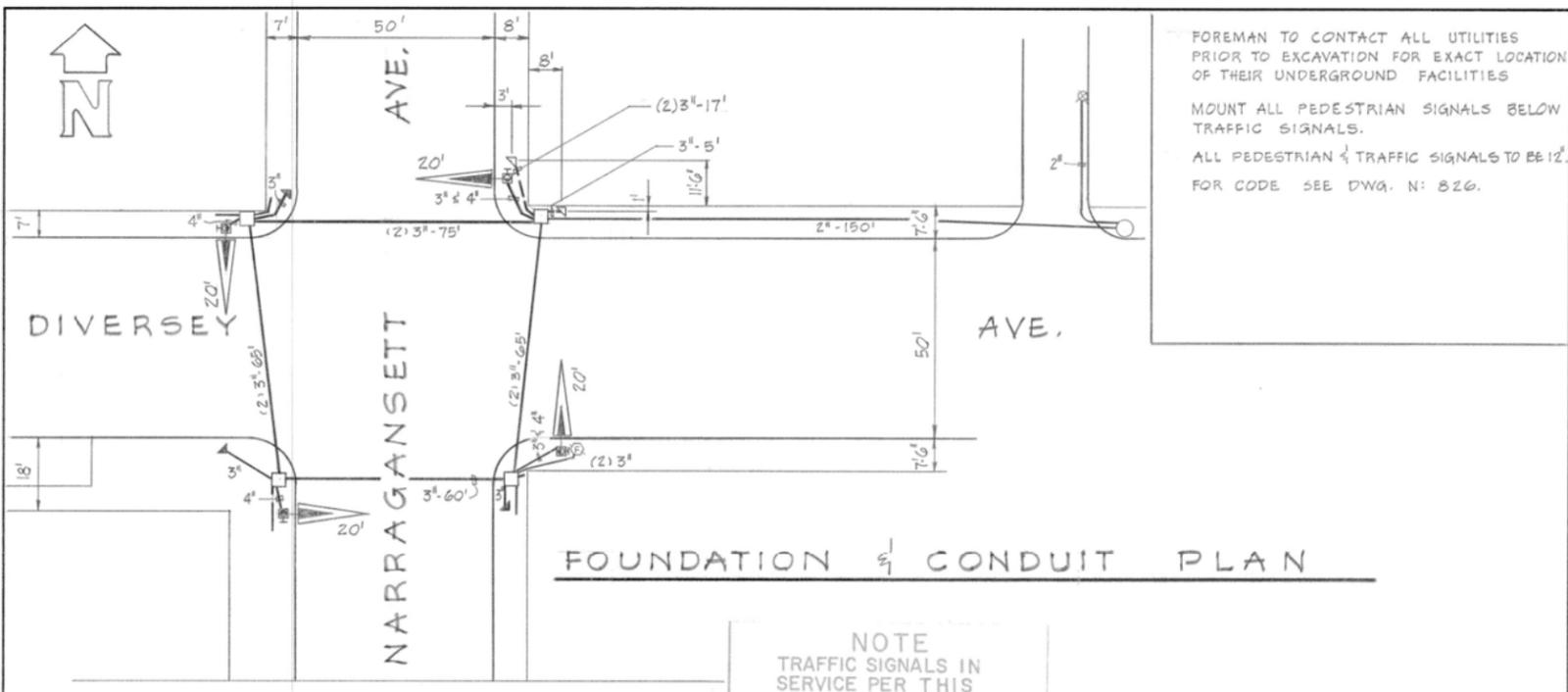
NARRAGANSETT AVE. AND GRAND AVE.
TIMED INTERSECTION

SCALE: SHEET 2 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-RS & SW	COOK	58	16
CONTRACT NO. 62J50				
ILLINOIS FED. AID PROJECT				

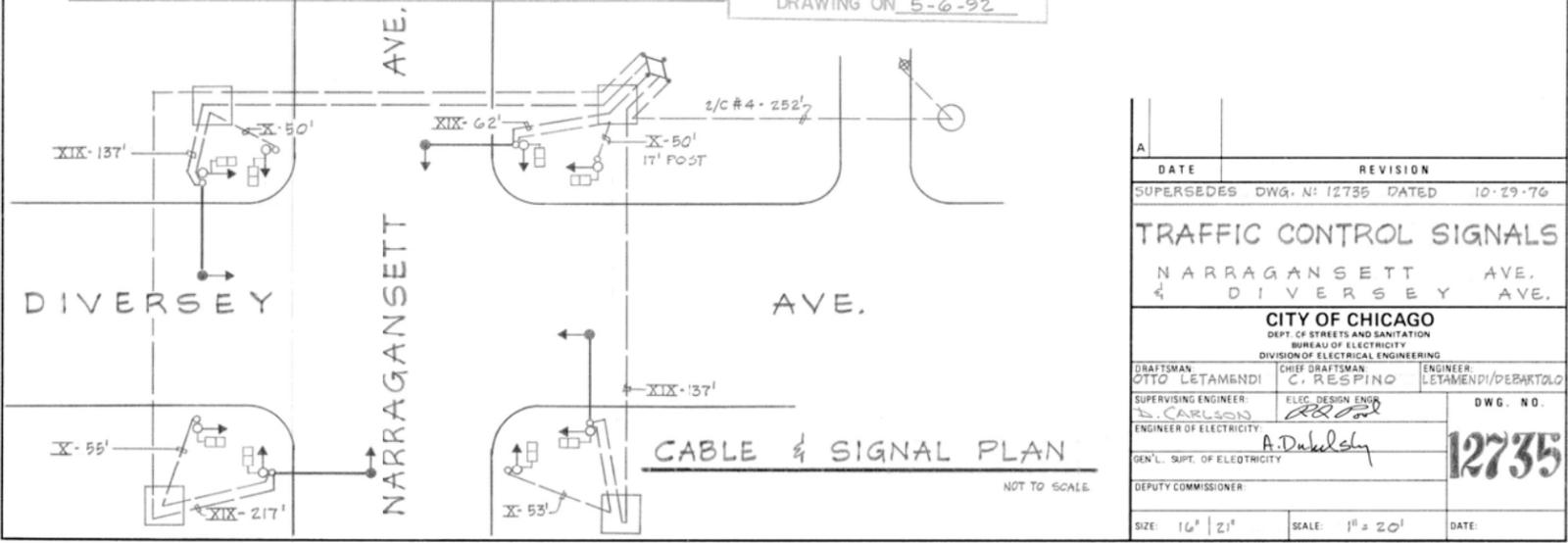
21-17, A-17

APPROVED AS WORKING PLAN	FEDERAL-AID ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
BY					
REVISIONS OF WORKING PLAN	FHWA REG. NO.	ILLINOIS PROJECT			



FOUNDATION & CONDUIT PLAN

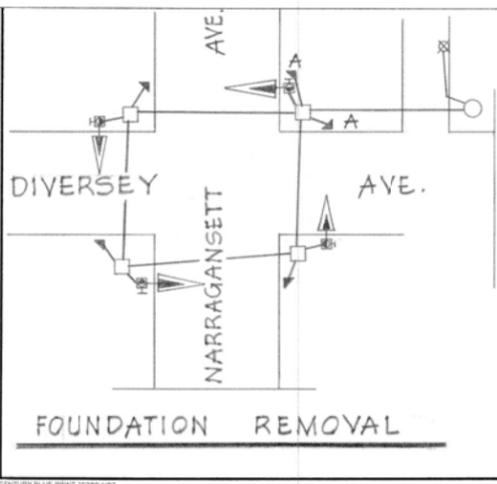
NOTE
TRAFFIC SIGNALS IN SERVICE PER THIS DRAWING ON 5-6-92



CABLE & SIGNAL PLAN

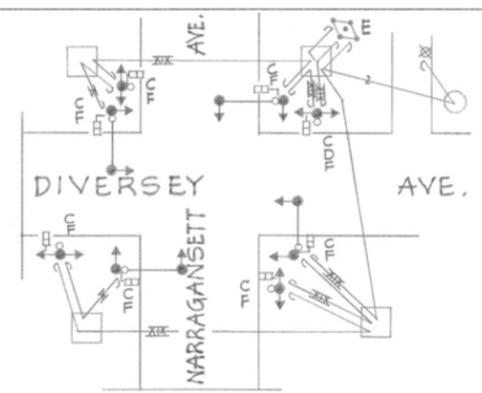
DATE	REVISION
	SUPERSEDES DWG. N: 12735 DATED 10-29-76
TRAFFIC CONTROL SIGNALS	
NARRAGANSETT AVE. & DIVERSEY AVE.	
CITY OF CHICAGO	
DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING	
DRAFTSMAN: OTTO LETAMENDI	ENGINEER: OTTO LETAMENDI/DEBARTOLO
SUPERVISING ENGINEER: D. CARLSON	ELEC. DESIGN ENGR. C. RESPINO
ENGINEER OF ELECTRICITY: A. Dukelsky	DWG. NO. 12735
GEN'L. SUPT. OF ELECTRICITY	DEPUTY COMMISSIONER
SIZE: 16" 21"	SCALE: 1" = 20'
	DATE:

NO DETECTOR LOOPS AT INTERSECTION
FOR REFERENCE ONLY



FOUNDATION REMOVAL

- REMOVAL NOTES**
- A- BREAKDOWN FOUNDATION TYPE 'A'
 - C- REMOVE TRAFFIC SIGNALS.
 - D- REMOVE SIGNAL POST.
 - E- REMOVE SIGNAL CONTROLLER & POST.
 - F- REMOVE PEDESTRIAN SIGNALS.
- REMOVE CABLE AS SHOWN:
2/C- 245', 10/C- 100', 19/C- 590'



CABLE & SIGNAL REMOVAL

DATE	REVISION
	WORK ORDER NO. 1010083 DATE 5-16-90
	COST ALLOCATION ACCOUNT
	APPROPRIATION ACCOUNT { MATERIAL LABOR
TRAFFIC CONTROL SIGNALS	
NARRAGANSETT AV. & DIVERSEY AV.	
CITY OF CHICAGO	
DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING	
DRAFTSMAN: OTTO LETAMENDI	ENGINEER: OTTO LETAMENDI/DEBARTOLO
SUPERVISING ENGINEER: D. CARLSON	ELEC. DESIGN ENGR. C. RESPINO
ENGINEER OF ELECTRICITY: A. Dukelsky	DWG. NO. 12735
GEN'L. SUPT. OF ELECTRICITY	DEPUTY COMMISSIONER
SIZE: 22" 36"	SCALE: AS NOTED
	DATE:

MODEL: Default
FILE: h:\m\c\pub\planroom\dat\illinois\dot\Documents\DOT Office\Drawings\1\Projects\120919\Cadd\Drawings\120919\cbs-cha.dgn

USER NAME = khanms	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

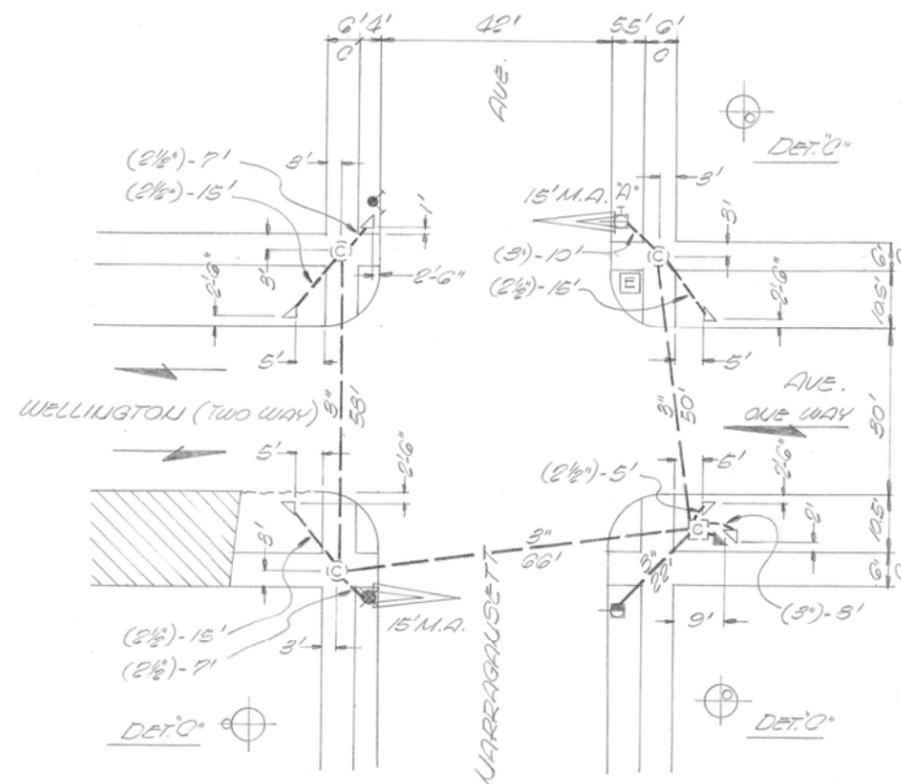
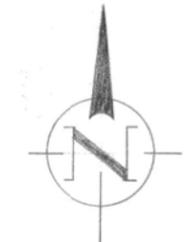
**NARRAGANSETT AVE. AND DIVERSEY AVE.
TIMED INTERSECTION**

SCALE: SHEET 5 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-RS & SW	COOK	58	19
CONTRACT NO. 62J50				
ILLINOIS FED. AID PROJECT				

"A" — Remove 27'-6" T60 Pole, 12' M.A.
400 w. Luminaires & Ballast
Install 27'-6" 330 Pole, 12' M.A.
400 w. Luminaires w/ B.I.B. On
Existing Foundation & B.H.B.

"B" — Breakdown Existing Handhole
& Build 3' x 4' x 4' Manhole In
Same Location.



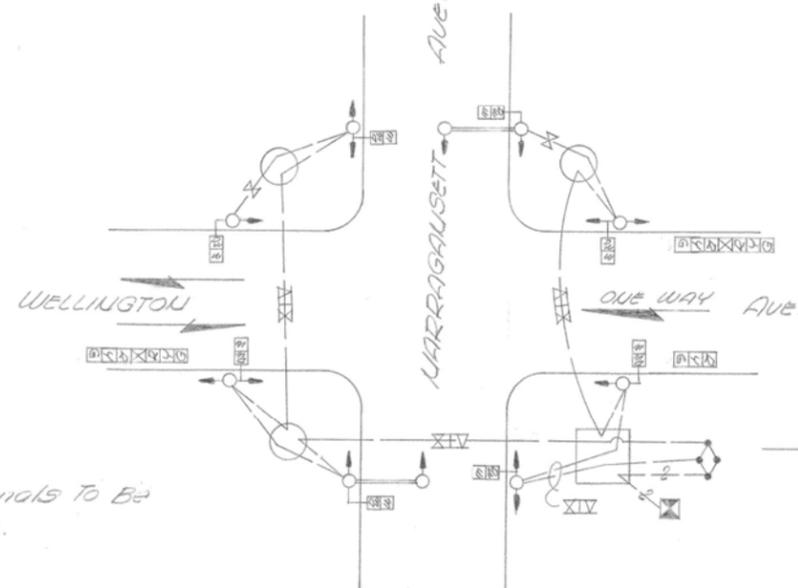
CONDUIT PLAN
Scale: 1" = 20'

Pres.	Prop.	CODE
○	○	Traffic Signal- 1 Way Adjustable.
○	○	Traffic Signal- 2 Way Adjustable.
□	□	Signal Or Controller Foundation- 3 Bolt.
○	○	Pole, City, Steel, 27'-6", T60. On B.H.B.
○	○	Pole, City, Steel, 27'-0", 3 Go. On B.H.B.
○	○	Pole, C.T.A, Steel, Trolley.
□	□	Signal Controller.
□	□	E.L. Controller.
△	△	Max Arm Assembly, Size As Noted.
□	□	Signal, "DON'T WALK/WALK", 2- Sect., 9" Sp Lens
—	—	Conduit, Rigid Galv. Steel, Size As Noted.
—	—	Cable, 3/4" #6, Neoprene In Conduit.
—	—	Cable, 1/2" (1-#10 & 9-#14) Neoprene In Conduit.
—	—	Cable, 1/2" (1-#10 & 13-#14) Neoprene In Conduit.
○	○	Handhole, City, 27" x 3' w/ 24" F. & O.
□	□	Manhole, City, 3' x 4' x 4' w/ 24" F. & O.
□	□	Manhole, C.E. Co.
○	○	Fire Hydrant.

DET. C — Position Of Conduit Up Pole.

NO DETECTOR LOOPS AT INTERSECTION
FOR REFERENCE ONLY

U.O. # 11321



CABLE PLAN
Scale: None

All Signals To Be
"B" M.T.O.

NOTE
TRAFFIC SIGNALS IN
SERVICE PER THIS
DRAWING ON 12-8-72

CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING			
REVISED		DRAWN	CHECKED
A	6-30-72	E. G. MASTER	D. G. & M. S.
B	7-30-79		
C			
D			
E			
F			
G			
ENGINEER		DRG. NO.	
J. Rowe		22891	
Supt. of Const.		DEPUTY COMM.	
John J. Kelly, C.E.			
DATE 12-9-71		SCALE 10" x 21"	

MODEL: Default
FILE: \\hpc\c\pub\hpc\room\dat\illinois\proj\WIDOT\Documents\IBOT - Offices\District 1\Projects\120919\CADD\Drawings\120919\trb\trb.dgn

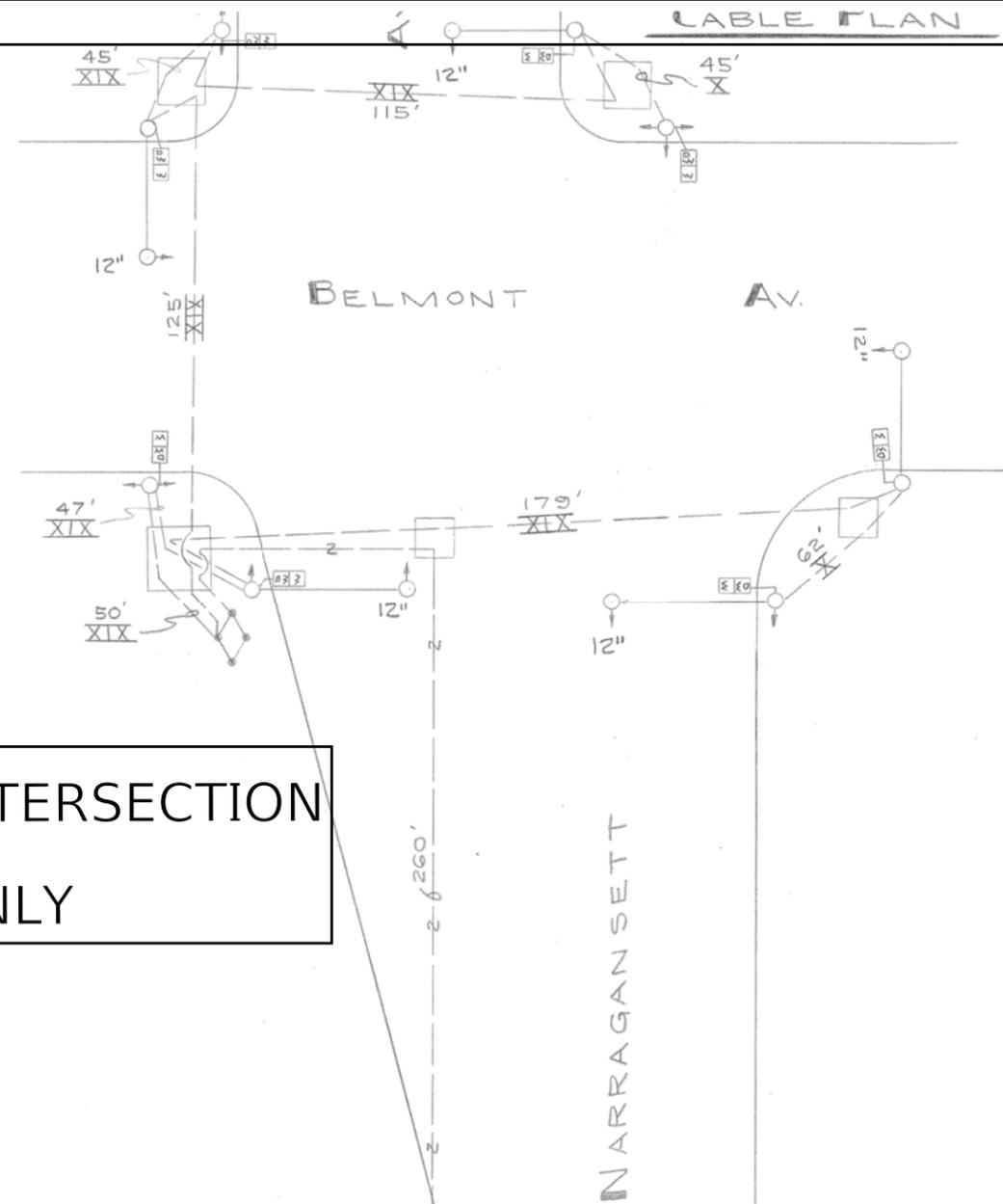
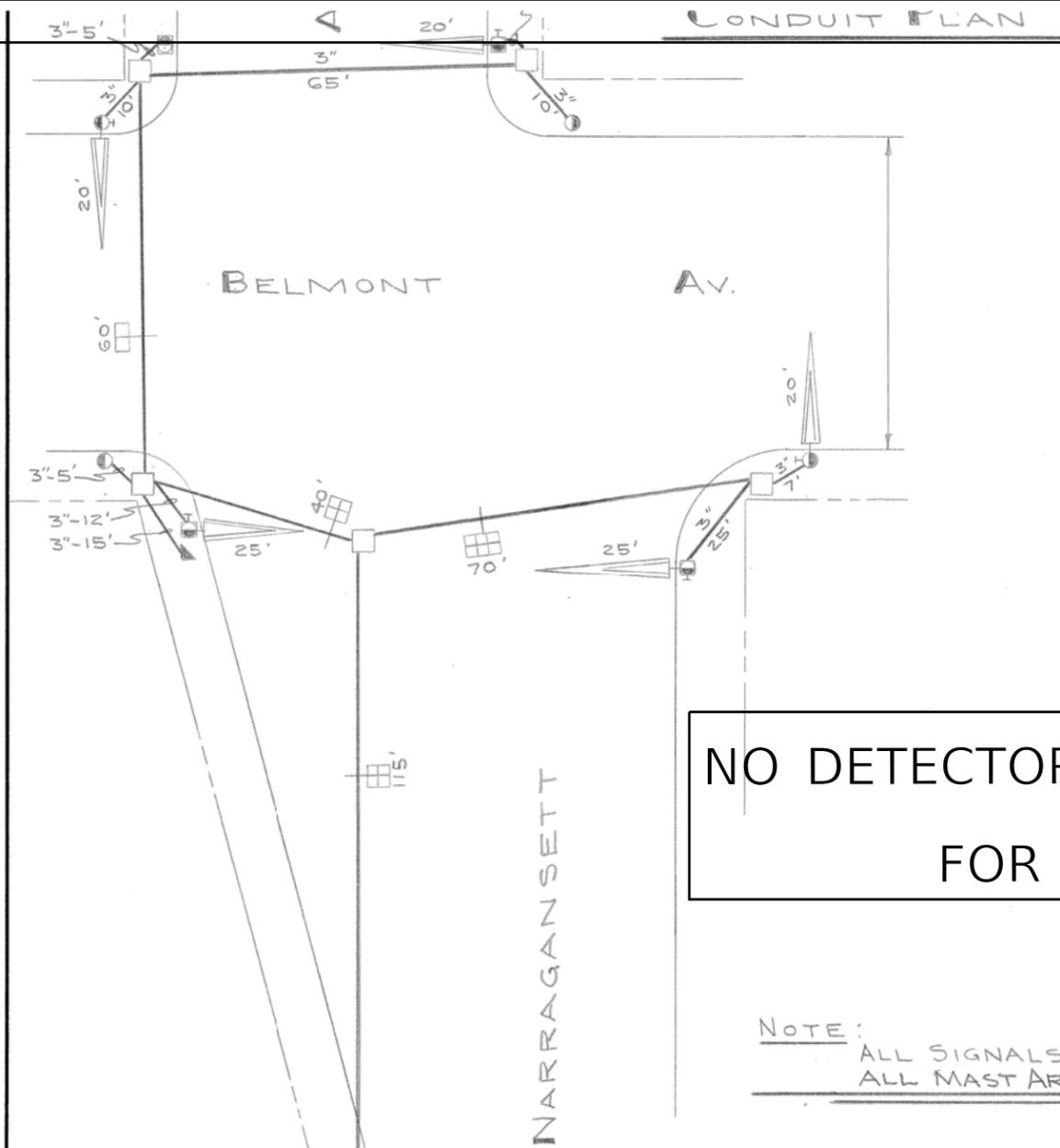
USER NAME = khanms	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NARRAGANSETT AVE. AND WELLINGTON AVE.
TIMED INTERSECTION**

SCALE: SHEET 6 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-RS & SW	COOK	58	20
CONTRACT NO. 62J50				
ILLINOIS FED. AID PROJECT				



NO DETECTOR LOOPS AT INTERSECTION
FOR REFERENCE ONLY

NOTE:
ALL SIGNALS TO BE "B" MTD.
ALL MAST ARM SIGNALS 12"

NOTE:
TRAFFIC SIGNALS IN
SERVICE PER THIS
DRAWING ON 4-15-73

INSTALL SERVICE
PER DRG # 22204

PRES.	PROP.	CODE
⊙	⊙	TRAFFIC SIGNAL, 1-WAY ADJUSTABLE (OPTICALLY PROGRAMMED) (SIZE AS NOTED)
⊙	⊙	TRAFFIC SIGNAL, 1-WAY ADJUSTABLE
⊙	⊙	TRAFFIC SIGNAL, 2-WAY ADJUSTABLE
⊙	⊙	TRAFFIC SIGNAL, 3-WAY ADJUSTABLE
⊙	⊙	CONTROLLER, TRAFFIC SIGNAL
⊙	⊙	FOUNDATION, CONTROLLER
⊙	⊙	MAST ARM ASSEMBLY, SIZE AS NOTED
⊙	⊙	SIGNAL, DONT WALK / WALK 2-SEC. 12" SQ. LENS
⊙	⊙	MANHOLE, CITY
⊙	⊙	CONDUIT, RIGID GALV. STEEL SIZE AS NOTED
⊙	⊙	CONDUIT, MULT. ENCASED IN CONCRETE
⊙	⊙	POLE, 27'-6", 3 GA. ANCHOR BASE ON BAL. HSG. BASE
⊙	⊙	POLE, 27'-6", 7 GA. ANCHOR BASE ON BAL. HSG. BASE
⊙	⊙	POLE, 29'-0", 3 GA. ANCHOR BASE.
⊙	⊙	POLE, 29'-0", 7 GA. ANCHOR BASE.
⊙	⊙	CABLE, 2/c #6 NEO. IN CONDUIT
⊙	⊙	CABLE, 10/c (1#10 & 9#14) 600V. NEO. IN CONDUIT
⊙	⊙	CABLE, 19/c (2#10 & 17#14) 600V. NEO. IN CONDUIT
⊙	⊙	POLE CE CO SERVICE (WOOD)

TRAFFIC CONTROL SIGNALS
NARRAGANSETT AV.
&
BELMONT AV.

REVISED		CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING		
A	3-2-73	DRAWN	CHECKED	ENGINEER
B	7-15-75	M. DEBARTOLO	H.L.	M.S. J. ROWE
C				DRG. NO.

SIGNAL SIZES -
S.E. CORNER-CHANGE
R.T.A. TO GREEN BALL

MODEL: Default
FILE: M:\BLS_Plan\BLS_Plan\BLS_Plan\DOT\Documents\DOT - Office\BLS\BLS - 1\Projects\2019\BLS\BLS\BLS.dwg
PROJECT: 2019\BLS\BLS\BLS.dwg

USER NAME = khanms	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2019	CHECKED -	REVISED -
	DATE -	REVISED -

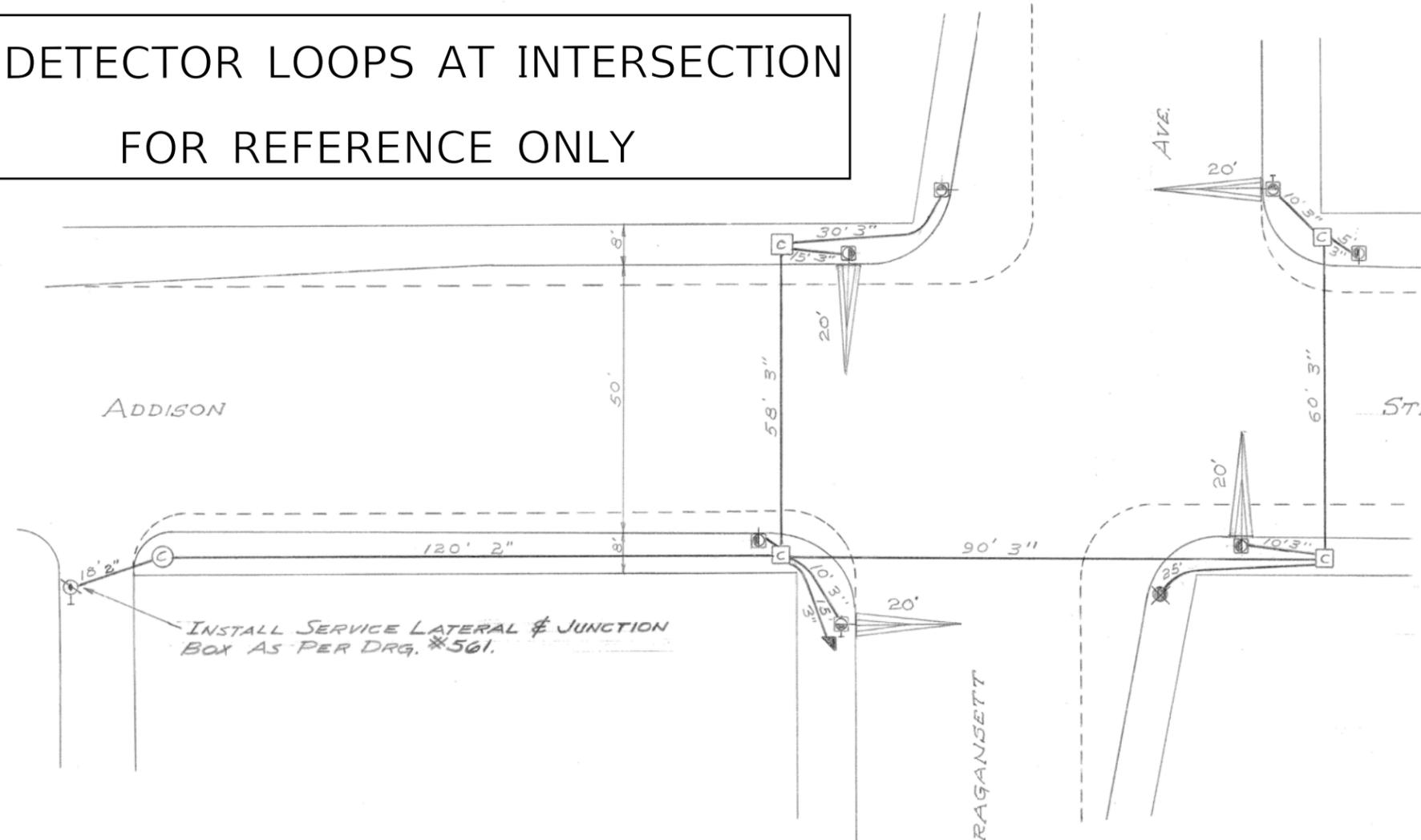
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NARRAGANSETT AVE. AND BELMONT AVE.
TIMED INTERSECTION**

SCALE: SHEET 7 OF 13 SHEETS STA. TO STA.

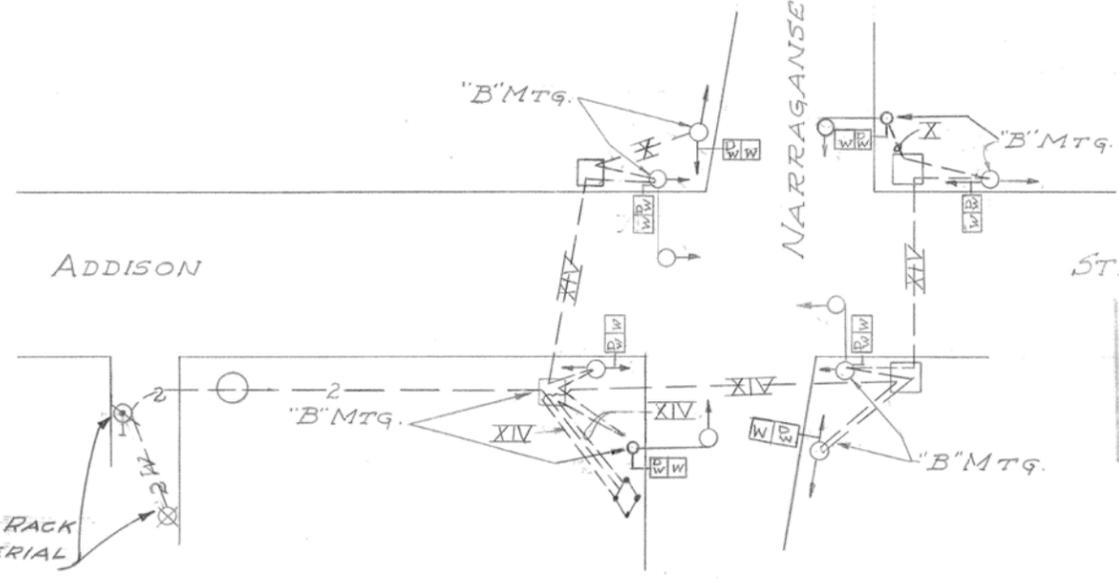
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-RS & SW	COOK	58	21
CONTRACT NO. 62J50				
ILLINOIS FED. AID PROJECT				

NO DETECTOR LOOPS AT INTERSECTION
FOR REFERENCE ONLY



CONDUIT PLAN
SCALE: 1" = 20'

- CODE**
- PRES. PROP. TRAFFIC SIGNAL - 1-WAY ADJUSTABLE
 - " " - 2- " " " " " " OR CONTROLLER FOUNDATION CONTROLLER
 - ◇ " " " " " " CONTROLLER
 - POLE, STL. C.T.A.
 - " WOOD, C.E.CO.
 - " EMBEDDED, CITY STL. 3GA. 4"x8"x33'
 - " BAL.HSQ.BASE CITY STL. 7GA.
 - " " " " " " " " 3" W/20'M.A
 - ▲ MAST ARM ASSEMBLY 20'
 - MANHOLE, CITY 3'x4'x4'
 - HANDHOLE, CITY, 27"x3' AS PER DRG.#11447
 - 3" STL. PIPE LATERAL EXCEPT AS NOTED
 - 2- CABLE, 2/C #6 NEO. IN CONDUIT
 - X- " 10/C - 17/10 & 9/14 NEO. IN COND.
 - XIV- " 14/C - 17/10 & 13/14 " " "
 - TRAFFIC SIGNAL - 2-WAY STD.
 - 2W- WIRE 2-1/2 #6 H.D. W.P.
 - SIGNAL 2-SEC. "WALK-DON'T WALK" - 12" LENS



INSTALL 2-WIRE RACK
60'-1/2 # 6 AERIAL
WIRE.

NOTE
TRAFFIC SIGNALS IN
SERVICE PER THIS
DRAWING ON 4 - -73

NOTE:
FOR CONSTRUCTION
SEE DRG. # 27928

SUPSEDES DRG.#12740 DATED: 7-20-67

TRAFFIC CONTROL SIGNALS
ADDISON ST. & NARRAGANSETT AV.

CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING			
REVISED	DRAWN	CHECKED	ENGINEER
A	J.O.	D.B.C. - M.S.	C.J. FIELD
B			
C			
D			
			DRG. NO.

USER NAME = khamms	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NARRAGANSETT AVE. AND ADDISON ST.
TIMED INTERSECTION
SCALE: SHEET 8 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-RS & SW	COOK	58	22
			CONTRACT NO. 62J50	
ILLINOIS FED. AID PROJECT				

MODEL: Default FILE: h:\mfc\p\pub\harcam\addison\addison\DOT\Documents\DOT - Offices\Dir\ctc_1\Project\2019\19-CADD\data\Design\19-0919-cts-ehs.dgn

NOTES:

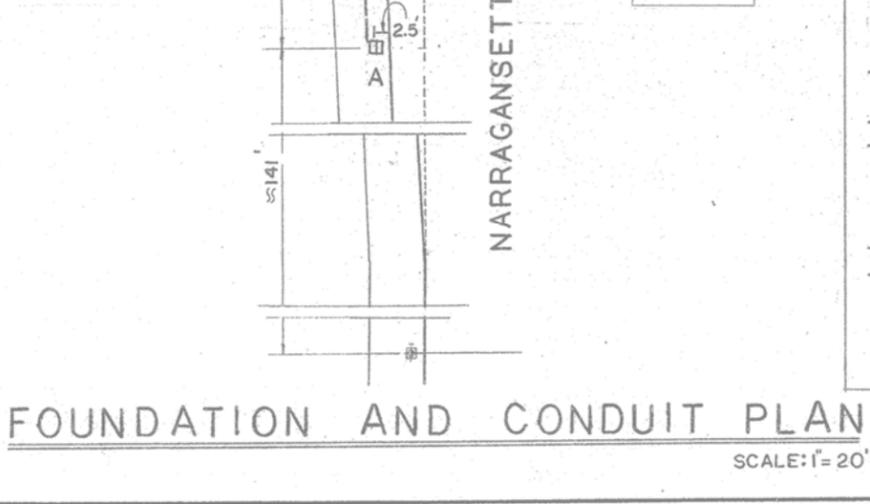
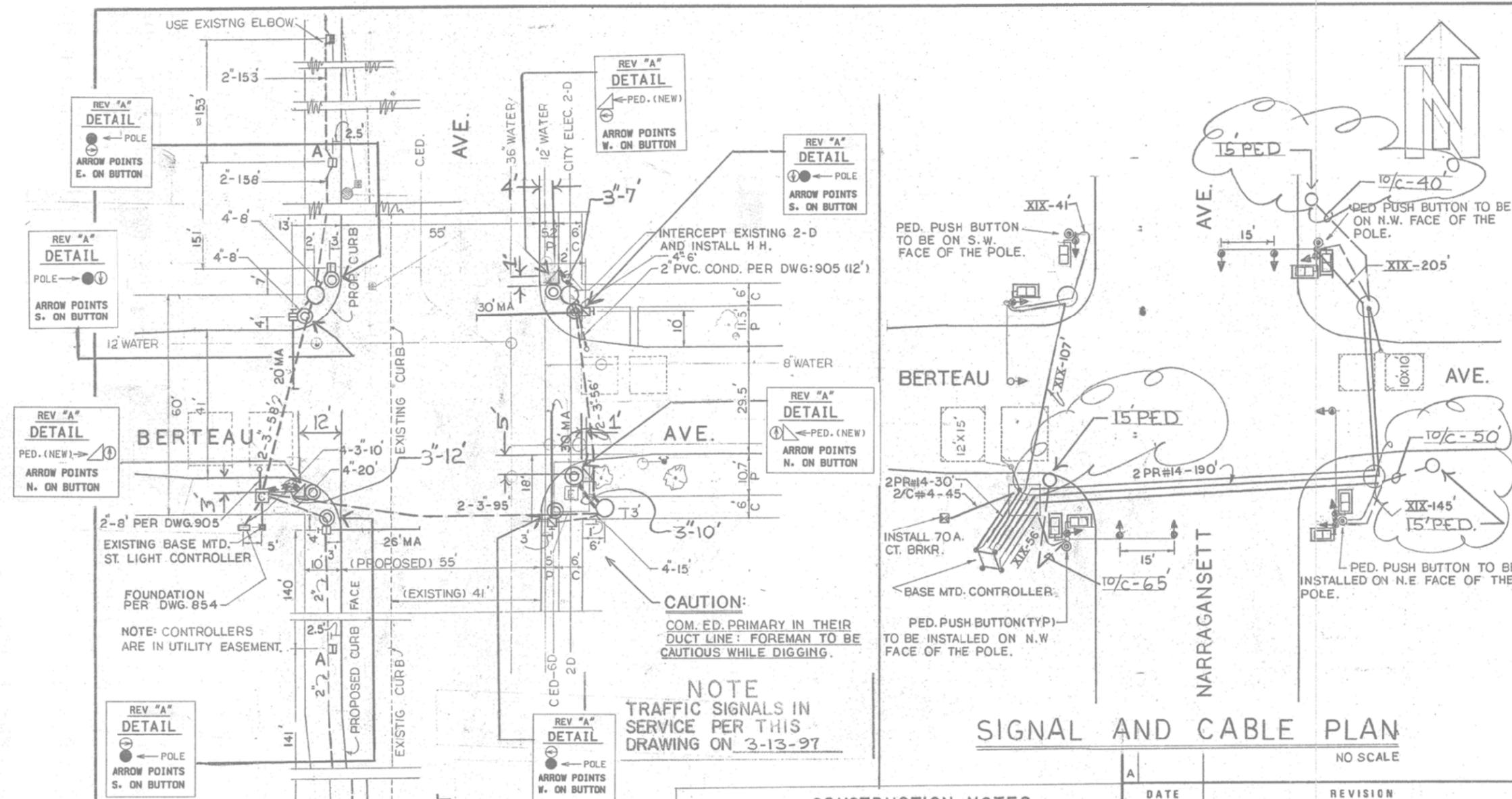
1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	548	FOOT

FILE NAME = 62J50 -Narragansett @ Irving Park.dgn	USER NAME = vargaso	DESIGNED - AV	REVISIONS -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN NARRAGANSETT AVE. AT IRVING PARK	F.A.P. RTE. 2783	SECTION 2019-073-RS&SW	COUNTY COOK	TOTAL SHEETS 58	SHEET NO. 24
PLOT SCALE = 48.0219 1/16 in.	CHECKED - LP	REVISIONS -	SCALE: SHEET 10 OF 13 SHEETS STA. TO STA.			CONTRACT NO. 62J50				
PLOT DATE = 9/12/2019	DATE - 09/11/2019	REVISIONS -	ILLINOIS FED. AID PROJECT							
Default:										



CONSTRUCTION NOTES

- FOREMAN TO CALL ALL UG. UTILITIES FOR LOCATIONS OF THEIR UG. FACILITIES PRIOR TO EXCAVATION.
- ALL FOUNDATIONS TO BE PER DWG: 828 AND 837.
- FOR PROPOSED CURB LINE LOCATION AND FOR ELEVATION OF PROPOSED S/WK NEAR THE FOUNDATIONS AND HANDHOLE CONTACT SPACE CO ENGG. AT: (847) 696-4060
- ALL SIGNAL SECTIONS TO BE OF STANDARD 12"-SIZE.
- ALL VEHICULAR SIGNAL HEADS TO BE OF STANDARD 3-SECTION UNITS AND PEDESTRIAN SIGNAL HEADS TO BE STANDARD 2-SECTION UNITS AND TO BE INSTALLED BELOW VEHICULAR SIGNAL WHERE APPLICABLE.

A - INSTALL CONC. FOUNDATION 24" DIA. AND 7' DEEP WITH 11/4" DIA. ANCHOR BOLTS SET IN 15" BOLT CIRCLE.

DATE	REVISION
TRAFFIC CONTROL SIGNALS AT NARRAGANSETT AV. AND BERTEAU AV.	
CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING	
DRAFTSMAN: MOHAMMED AHMED	ENGINEER: MOHAMMED AHMED
SUPERVISING ENGINEER:	DWG. NO. 23675
ENGINEER OF ELECTRICITY:	
SUPT. OF CONSTRUCTION:	
DEPUTY COMMISSIONER:	
SIZE: 16" 22"	SCALE: AS NOTED
DATE: 8-27-1996	

FOR REFERENCE ONLY

FILE NAME: 62J50 -Narragansett @ Berateau Ave.dgn	USER NAME: vargeso	DESIGNED - AV	REVISED -
		DRAWN - AV	REVISED -
		CHECKED - LP	REVISED -
		DATE - 09/11/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
NARRAGANSETT AVE. AT BERTEAU AVE.**

SCALE: SHEET 11 OF 13 SHEETS STA. TO STA.

F.A.P. RTE. 2783	SECTION 2019-073-RS&SW	COUNTY COOK	TOTAL SHEETS 58	SHEET NO. 25
CONTRACT NO. 62J50				
ILLINOIS FED. AID PROJECT				

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	214	FOOT

FILE NAME = 62J50 - Narragansett @ Berteau Ave.dgn	USER NAME = vargose	DESIGNED - AV	REVISED -
Default	PLOT SCALE = 40.0113 1/16" = 1'	DRAWN - AV	REVISED -
	PLOT DATE = 9/11/2019	CHECKED - LP	REVISED -
		DATE - 09/11/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
NARRAGANSETT AVE. AT BERTEAU AVE.**

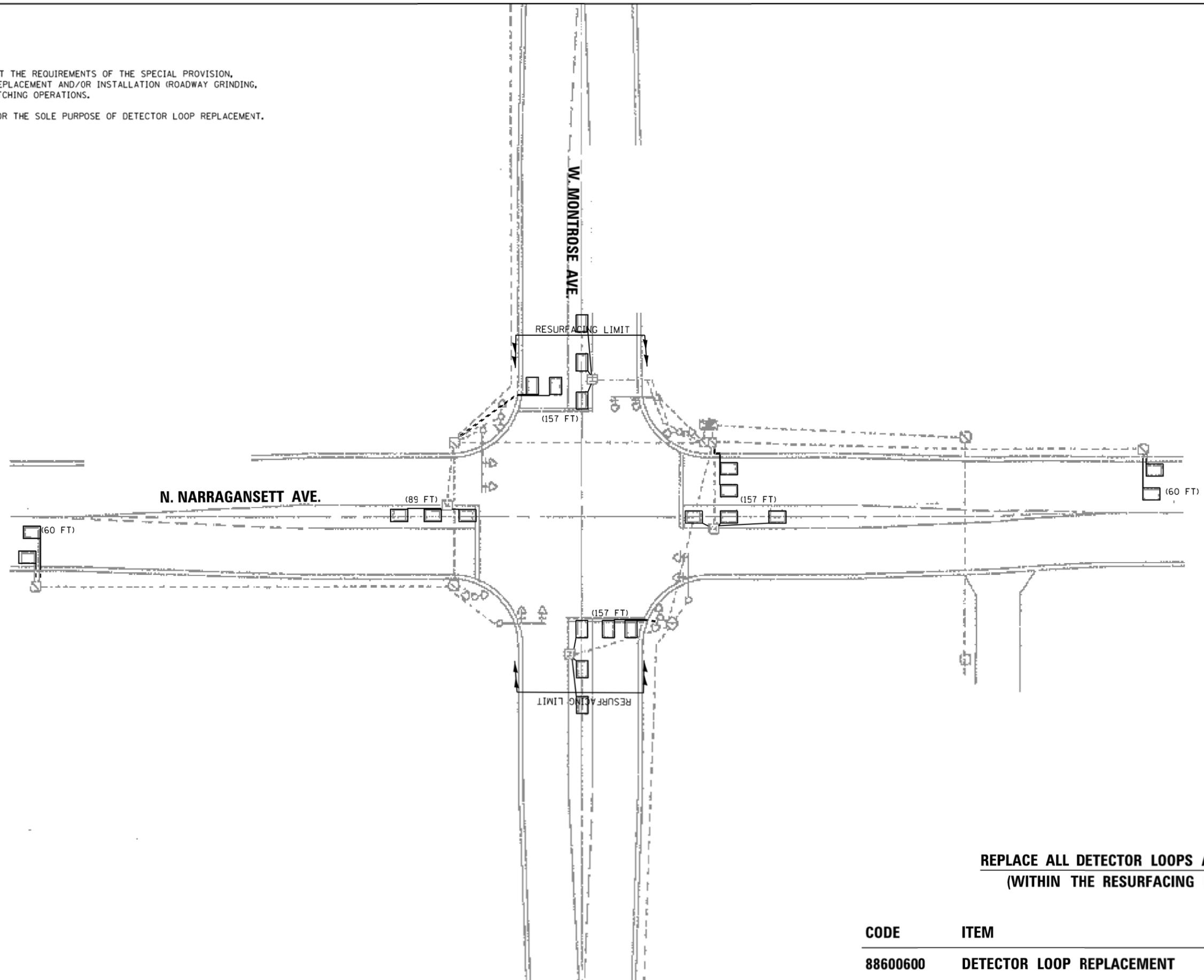
SCALE: SHEET 12 OF 13 SHEETS STA. TO STA.

F.A.P. RTE. 2783	SECTION 2019-073-R5&5W	COUNTY COOK	TOTAL SHEETS 58	SHEET NO. 26
CONTRACT NO. 62J50				ILLINOIS FED. AID PROJECT



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	680	FOOT

FILE NAME = 62J50 -Narragansett @ Montrose Ave.dgn	USER NAME = vargese	DESIGNED - AV	REVISED -
		DRAWN - AV	REVISED -
		CHECKED - LP	REVISED -
		DATE - 09/10/2019	REVISED -
Default	PLOT DATE = 9/12/2019		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
NARRAGANSETT AVE. AT MONTROSE AVE.**

SCALE: SHEET 13 OF 13 SHEETS STA. TO STA.

F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-RS&SW	COOK	58	27
CONTRACT NO. 62J50				
ILLINOIS FED. AID PROJECT				

NARRAGANSETT AVE. INTERSECTION	PLAN SHEET	20200100	21101615	25200110	42001300	42300400	42400200	42400410	44000200	44300600	60266600	60300305	85000200	87301215	89500400	89502300	89502376	X4240800	Z0004562
		EARTH EXCAVATION	TOPSOIL FURNISH AND PLACE, 4"	SODDING, SALT TOLERANT	PROTECTIVE COAT	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	DRIVEWAY PAVEMENT REMOVAL	SIDEWALK REMOVAL	VALVE BOXES TO BE ADJUSTED	FRAMES AND LIDS TO BE ADJUSTED	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	REMOVE ELECTRIC CABLE FROM CONDUIT	REBUILD EXISTING HANDHOLE	DETECTABLE WARNINGS (SPECIAL)	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
		CU YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ FT	SQ FT	SQ YD	SQ FT	EACH	EACH	EACH	FOOT	EACH	FOOT	EACH	SQ FT	FOOT
DICKENS AVE.	SHT-PLAN-1	3.0	1.0	1.0	30.9	0.0	0.0	190.1	0.0	190.1	0	0	0	0	0	0	0	32.0	44.1
FULLERTON AVE.	SHT-PLAN-2	4.2	1.4	0.0	38.3	0.0	0.0	264.9	0.0	269.6	1	1	0	0	0	0	1	16.2	39.9
C.E. APPROX. 400' N. OF FULLERTON (BRICKTOWN SQUARE) (W. SIDE)	SHT-PLAN-3	1.7	0.7	0.0	23.5	0.0	171.8	0.0	0.0	171.8	0	0	0	0	0	0	0	30.0	20.0
C.E. APPROX. 600' S. OF WRIGHTWOOD (S OF JEWEL) (W. SIDE)	SHT-PLAN-4	2.8	3.1	2.3	41.8	0.0	280.7	0.0	0.0	251.4	0	1	0	0	0	0	0	39.5	47.8
C.E. APPROX. 300' S. OF WRIGHTWOOD (AT JEWEL) (W. SIDE)	SHT-PLAN-5	3.0	5.2	5.2	45.7	0.0	298.9	0.0	0.0	269.8	0	0	0	0	0	0	0	60.1	56.4
WRIGHTWOOD AVE.	SHT-PLAN-5	2.3	5.6	5.6	21.3	0.0	0.0	144.9	0.0	178.2	0	0	0	0	0	0	0	17.3	23.2
RI/RO C.E. APPROX. 250' S. OF DIVERSEY	SHT-PLAN-6	3.9	5.3	4.1	99.4	40.6	391.0	0.0	40.6	351.8	0	0	0	0	0	0	0	55.5	69.1
BELMONT AVE. (REPLACE PANEL AND DET. WARNING ONLY)	HWY STD 424001	0.9	0.0	0.0	6.1	0.0	0.0	55.0	0.0	55.0	0	0	0	0	0	0	0	10.0	0.0
C.E. APPROX 200' N. OF IRVING PARK (DUNNING SQUARE) (W. SIDE)	SHT-PLAN-7	2.2	1.6	1.1	28.7	0.0	218.5	0.0	0.0	218.5	0	0	0	0	0	0	0	20.0	20.0
C.E. APPROX 300' N. OF IRVING PARK (DUNNING SQUARE) (W. SIDE)	SHT-PLAN-8	2.1	2.4	2.4	27.5	0.0	207.2	0.0	0.0	207.2	0	0	0	0	0	0	0	20.0	20.0
C.E. APPROX 560' N. OF IRVING PARK (DUNNING SQUARE) (W. SIDE)	D1 Detail PD-01	1.8	1.5	1.0	24.3	0.0	178.8	0.0	0.0	178.8	0	0	0	0	0	0	0	20.0	20.0
MCNTROSE AVE.	SHT-PLAN-9	3.5	3.8	3.8	30.8	0.0	0.0	221.2	0.0	221.5	0	0	1	50	2	40	0	27.6	28.0
SUNNYSIDE AVE.	D1 Detail PD-01	2.3	15.0	15.0	31.7	0.0	225.0	0.0	0.0	315.0	0	0	0	0	0	0	0	30.0	30.0
NOMINAL QUANTITIES FOR REPAIRS TO BE DETERMINED BY ENGINEER	N/A	1.5	5.0	5.0	21.1	0.0	150.0	0.0	0.0	150.0	0	0	0	0	0	0	0	20.0	20.0
TOTAL		35	52	47	471	41	2122	876	41	3029	1	2	1	50	2	40	1	398	439

DESIGNED	KMA	10/15/19
DRAWN	KMA	10/15/19
REVIEWED	KRH	10/15/19

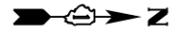
FILE NAME =	USER NAME = Ander00833
D:\2019\19-sht_Schedule_ADA	
Default 1	

DESIGNED - KMA	10/15/2019	REVISED -	
DRAWN - KMA	10/15/2019	REVISED -	
CHECKED - KRH	10/15/2019	REVISED -	
DATE - 10/16/2019		REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

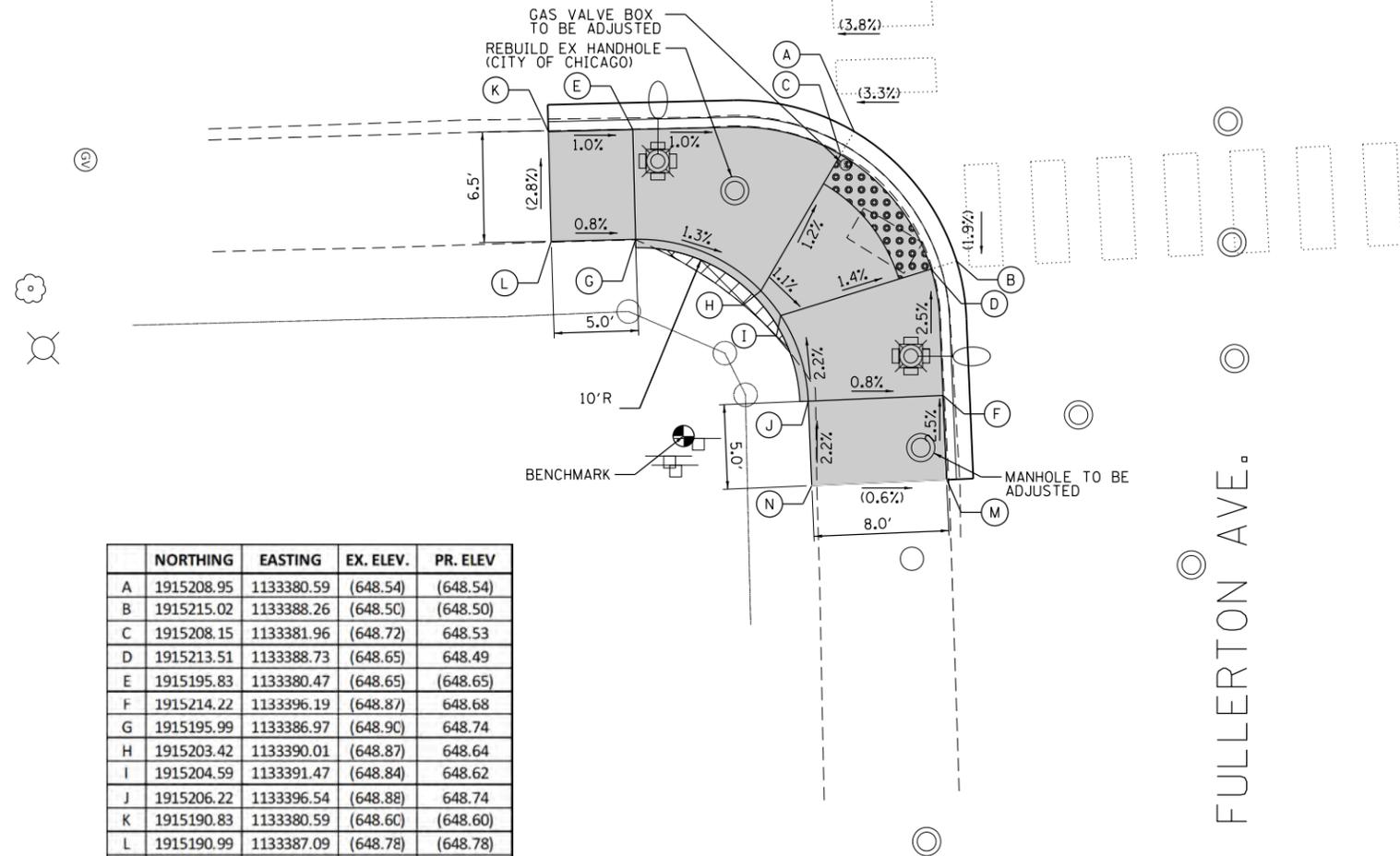
SCHEDULE OF QUANTITIES SIDEWALK DETAIL PLANS	
SCALE: NTS	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-RS&SW	COOK	58	28
CONTRACT NO. 62J50				
ILLINOIS FED. AID PROJECT				



NARRAGANSETT AVE.

FULLERTON AVE.



	NORTHING	EASTING	EX. ELEV.	PR. ELEV
A	1915208.95	1133380.59	(648.54)	(648.54)
B	1915215.02	1133388.26	(648.50)	(648.50)
C	1915208.15	1133381.96	(648.72)	648.53
D	1915213.51	1133388.73	(648.65)	648.49
E	1915195.83	1133380.47	(648.65)	(648.65)
F	1915214.22	1133396.19	(648.87)	648.68
G	1915195.99	1133386.97	(648.90)	648.74
H	1915203.42	1133390.01	(648.87)	648.64
I	1915204.59	1133391.47	(648.84)	648.62
J	1915206.22	1133396.54	(648.88)	648.74
K	1915190.83	1133380.59	(648.60)	(648.60)
L	1915190.99	1133387.09	(648.78)	(648.78)
M	1915214.43	1133401.19	(648.80)	(648.80)
N	1915206.44	1133401.53	(648.85)	(648.85)

© Copyright Hanson Professional Services Inc. SWS_YEAR08
HANSON
 Hanson Professional Services Inc.

REFERENCE BENCHMARK #39 ELEV 649.39
 BENCHMARK: CHISLED SQUARE ON WEST SIDE OF TOP OF CONCRETE BASE OF "MATRESS FIRM" BUSINESS SIGN
 LOCATION: SE CORNER OF NARRAGANSETT AVE. & FULLERTON AVE.

LEGEND

- xx.xx' EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- PROPOSED SIDE CURB
- SC TOP OF PROPOSED SIDE CURB
- CLASS D PATCH
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

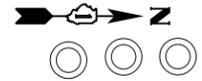
DESIGNED MDS 9/24/19
 DRAWN CLC 9/24/19
 REVIEWED JLF 9/24/19

FILE NAME = D:\2019\19-sht-plan-2.dgn	USER NAME = miduja	DESIGNED - MDS 09/24/2019	REVISED -
Default		DRAWN - CLC 09/24/2019	REVISED -
	PLOT SCALE = 10.0000' / 1"	CHECKED - JLF 09/24/2019	REVISED -
	PLOT DATE = 5/7/2020	DATE - 5/7/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIDEWALK DETAIL PLAN NARRAGANSETT AVE- FULLERTON AVE	
SCALE: 1" = 10'	SHEET 2 OF 9 SHEETS STA. TO STA.

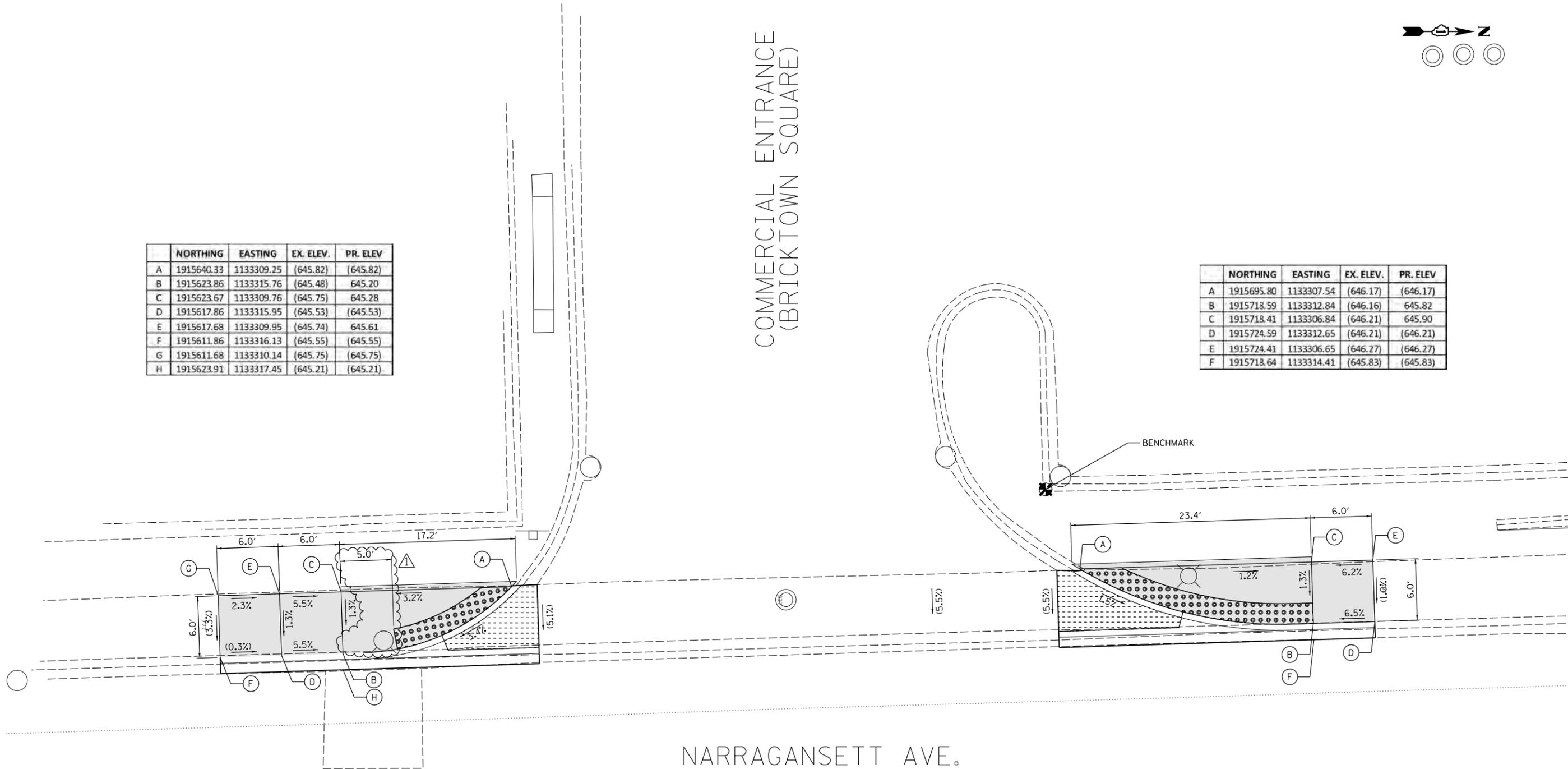
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-RS&SW	COOK	58	30
CONTRACT NO. 62J50				
ILLINOIS FED. AID PROJECT				



COMMERCIAL ENTRANCE
 (BRICKTOWN SQUARE)

	NORTHING	EASTING	EX. ELEV.	PR. ELEV.
A	1915640.33	1133309.25	(645.82)	(645.82)
B	1915623.86	1133315.76	(645.48)	645.20
C	1915623.67	1133309.76	(645.75)	645.28
D	1915617.86	1133315.95	(645.53)	(645.53)
E	1915617.68	1133309.95	(645.74)	645.61
F	1915611.86	1133316.13	(645.55)	(645.55)
G	1915611.68	1133310.14	(645.75)	(645.75)
H	1915623.91	1133317.45	(645.21)	(645.21)

	NORTHING	EASTING	EX. ELEV.	PR. ELEV.
A	1915695.80	1133307.54	(646.17)	(646.17)
B	1915718.59	1133312.84	(646.16)	645.82
C	1915718.41	1133306.84	(646.21)	645.90
D	1915724.59	1133312.65	(646.21)	(646.21)
E	1915724.41	1133306.65	(646.27)	(646.27)
F	1915718.64	1133314.41	(645.83)	(645.83)



LEGEND

- xx.xx' EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE

- PROPOSED SIDEWALK
- PROPOSED SIDE CURB
- SC TOP OF PROPOSED SIDE CURB

- DRIVEWAY PAVEMENT REMOVAL & PCC DRIVEWAY PAVEMENT, 8"
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK #4 ELEV 647.62
 BENCHMARK: SQUARE CUT ON TOP BACK OF CURB
 LOCATION: ON CORNER OF PARKING LOT NW OF COMMERCIAL ENTRANCE

DESIGNED MDS 11/07/19
 DRAWN MDS 11/07/19
 REVIEWED JLF 11/07/19

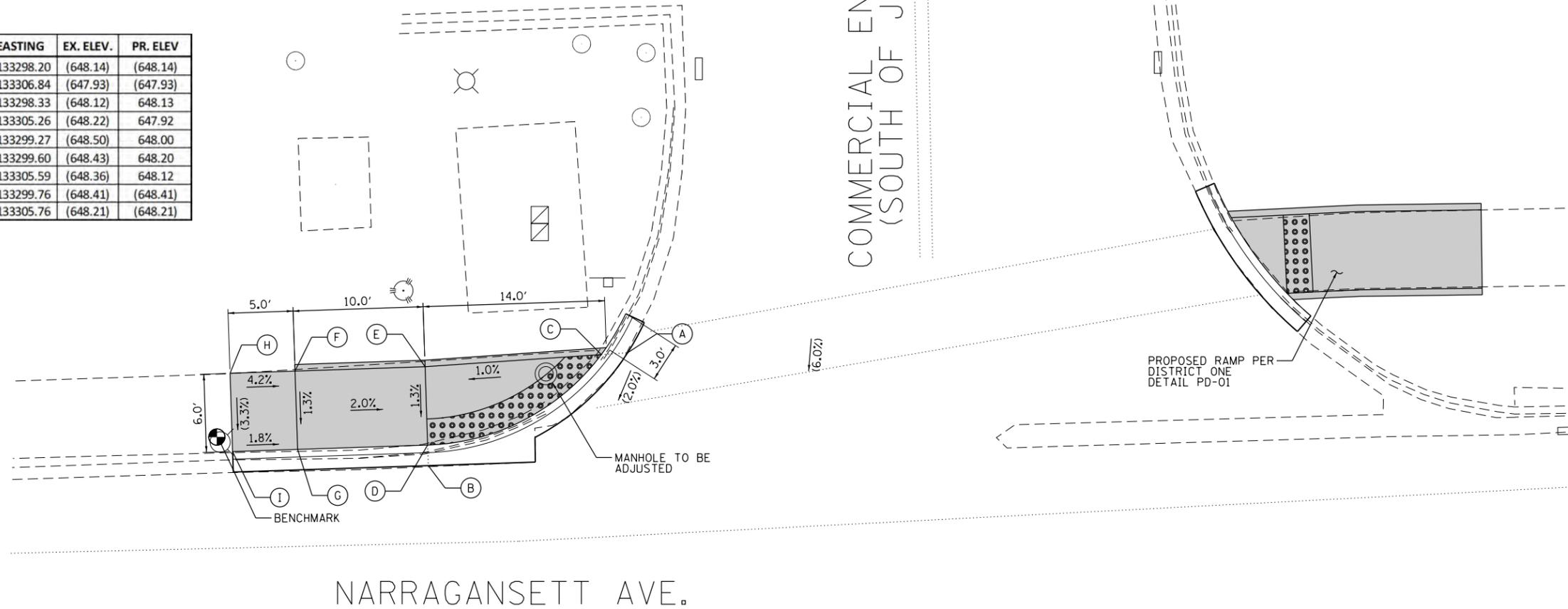
FILE NAME = D:\2019\19-sht-plan-3.dgn	USER NAME = Ander-00833	DESIGNED - MDS 11/07/2019	REVISED Δ - 02/06/2020 MDS
Default		DRAWN - MDS 11/07/2019	REVISED -
		CHECKED - JLF 11/07/2019	REVISED -
		DATE - 2/6/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SIDEWALK DETAIL PLAN
NARRAGANSETT AVE- CE 400' N OF FULLERTON AVE
 SCALE: 1" = 10' SHEET 3 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-RS&SW	COOK	58	31
CONTRACT NO. 62J50				
ILLINOIS FED. AID PROJECT				

	NORTHING	EASTING	EX. ELEV.	PR. ELEV.
A	1915974.74	1133298.20	(648.14)	(648.14)
B	1915959.43	1133306.84	(647.93)	(647.93)
C	1915972.72	1133298.33	(648.12)	648.13
D	1915959.38	1133305.26	(648.22)	647.92
E	1915959.18	1133299.27	(648.50)	648.00
F	1915949.19	1133299.60	(648.43)	648.20
G	1915949.38	1133305.59	(648.36)	648.12
H	1915944.19	1133299.76	(648.41)	(648.41)
I	1915944.39	1133305.76	(648.21)	(648.21)



REFERENCE BENCHMARK #49 ELEV 649.59

BENCHMARK: "X" CUT ON TOP OF WEST CAP BOLT ON FIRE HYDRANT

LOCATION: WEST SIDE OF NARRAGANSETT AVE. APPROXIMATELY 600 FEET SOUTH OF WRIGHTWOOD AVE.

LEGEND

- xx.xx' EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE

- PROPOSED SIDEWALK
- PROPOSED SIDE CURB
- SC TOP OF PROPOSED SIDE CURB
- CLASS D PATCH
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

DESIGNED MDS 9/24/19
 DRAWN CLC 9/24/19
 REVIEWED JLF 9/24/19

FILE NAME =	USER NAME = miduja	DESIGNED - MDS 09/24/2019	REVISED -
D:\2019\19-sht-plan-4.dgn		DRAWN - CLC 09/24/2019	REVISED -
Default		CHECKED - JLF 09/24/2019	REVISED -
		DATE - 5/7/2020	REVISED -

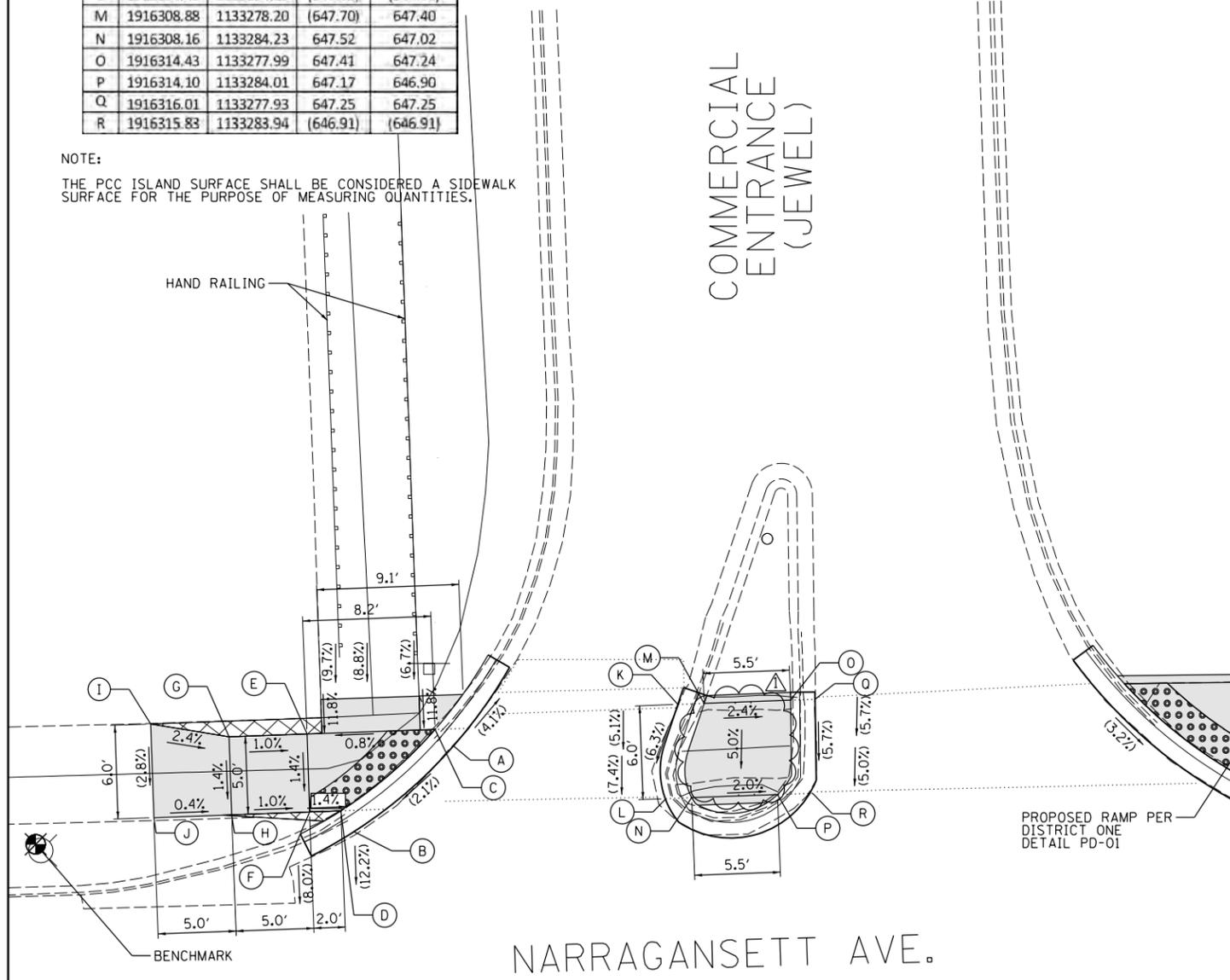
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SIDEWALK DETAIL PLAN
 NARRAGANSETT AVE- CE 600'S OF WRIGHTWOOD**
 SCALE: 1" = 10' SHEET 4 OF 9 SHEETS STA. TO STA.

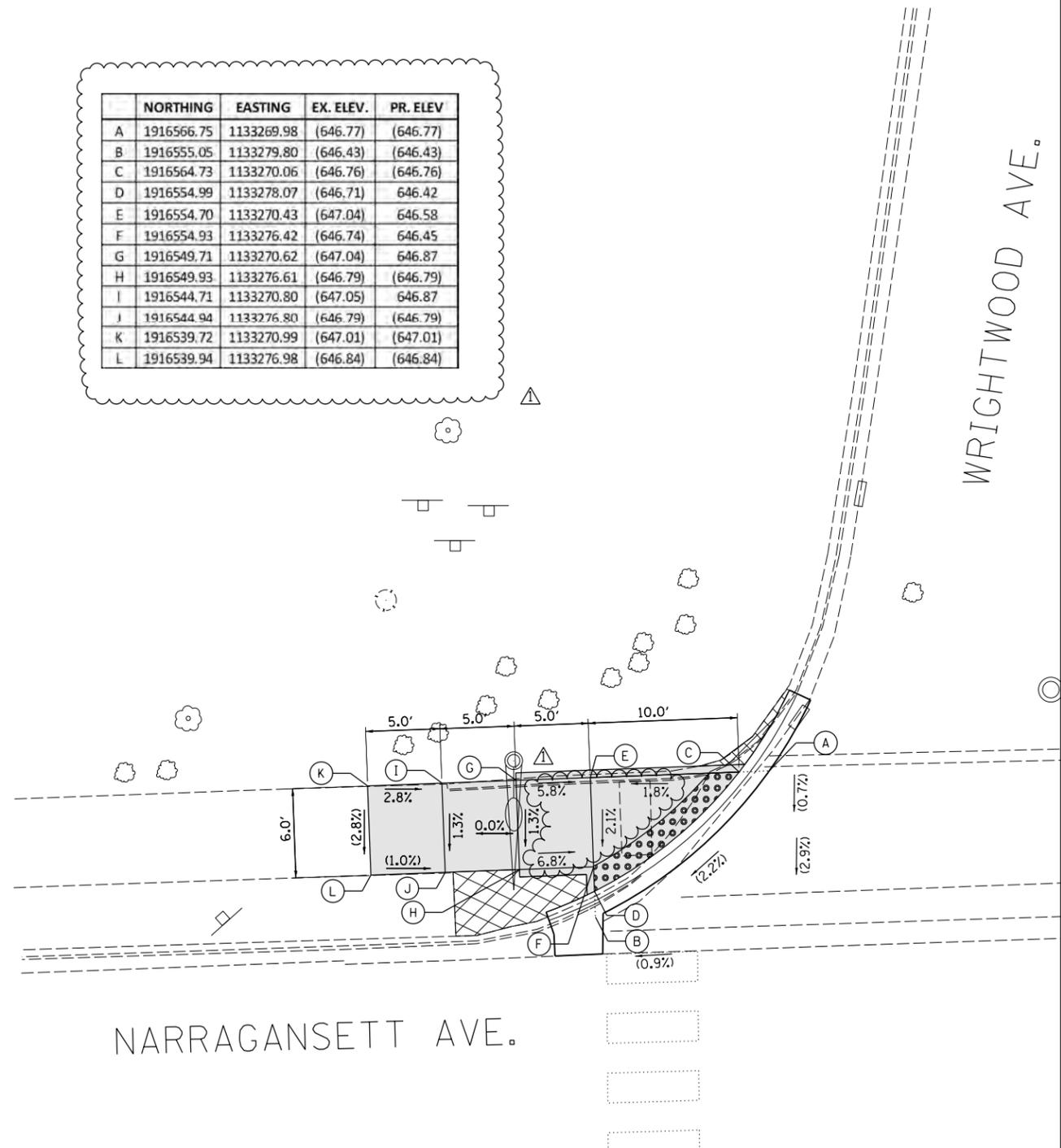
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-RS&SW	COOK	58	32
CONTRACT NO. 62J50				
ILLINOIS FED. AID PROJECT				

	NORTHING	EASTING	EX. ELEV.	PR. ELEV
A	1916292.80	1133280.92	(647.49)	647.72
B	1916286.42	1133286.41	(647.24)	647.55
C	1916291.62	1133279.87	(647.89)	647.71
D	1916285.58	1133285.07	(647.42)	647.54
E	1916283.40	1133280.15	(647.72)	647.64
F	1916283.57	1133285.14	(647.52)	647.57
G	1916278.40	1133280.33	(647.77)	647.69
H	1916278.57	1133285.33	(647.62)	(647.62)
I	1916273.37	1133279.52	(647.81)	(647.81)
J	1916273.57	1133285.52	(647.64)	(647.64)
K	1916307.20	1133278.26	(647.41)	(647.41)
L	1916306.43	1133284.29	(647.03)	(647.03)
M	1916308.88	1133278.20	(647.70)	647.40
N	1916308.16	1133284.23	647.52	647.02
O	1916314.43	1133277.99	647.41	647.24
P	1916314.10	1133284.01	647.17	646.90
Q	1916316.01	1133277.93	647.25	647.25
R	1916315.83	1133283.94	(646.91)	(646.91)

NOTE:
THE PCC ISLAND SURFACE SHALL BE CONSIDERED A SIDEWALK SURFACE FOR THE PURPOSE OF MEASURING QUANTITIES.



	NORTHING	EASTING	EX. ELEV.	PR. ELEV
A	1916566.75	1133269.98	(646.77)	(646.77)
B	1916555.05	1133279.80	(646.43)	(646.43)
C	1916564.73	1133270.06	(646.76)	(646.76)
D	1916554.99	1133278.07	(646.71)	646.42
E	1916554.70	1133270.43	(647.04)	646.58
F	1916554.93	1133276.42	(646.74)	646.45
G	1916549.71	1133270.62	(647.04)	646.87
H	1916549.93	1133276.61	(646.79)	(646.79)
I	1916544.71	1133270.80	(647.05)	646.87
J	1916544.94	1133276.80	(646.79)	(646.79)
K	1916539.72	1133270.99	(647.01)	(647.01)
L	1916539.94	1133276.98	(646.84)	(646.84)



© Copyright Hanson Professional Services Inc. 2020
HANSON
Hanson Professional Services Inc.

REFERENCE BENCHMARK #59 ELEV 649.18
BENCHMARK: "X" ON TOP OF WEST CAP BOLT ON FIRE HYDRANT
LOCATION: WEST SIDE OF NARRAGANSETT AVE. APPROXIMATELY 300 FEET SOUTH OF WRIGHTWOOD AVE.

LEGEND

- xx.xx' EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE

- PROPOSED SIDEWALK
- PROPOSED SIDE CURB
- SC TOP OF PROPOSED SIDE CURB
- CLASS D PATCH
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK #69 ELEV 648.03
BENCHMARK: "X" CUT ON TOP OF WEST CAP BOLT ON FIRE HYDRANT
LOCATION: NW CORNER OF NARRAGANSETT AVE. & WRIGHTWOOD AVE.

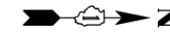
DESIGNED MDS 9/24/19
DRAWN CLC 9/24/19
REVIEWED JLF 9/24/19

FILE NAME = D:\2019\19-sht-plan-5.dgn	USER NAME = Ander-00833	DESIGNED - MDS 09/24/2019	REVISED - 02/06/2020 MDS
Default		DRAWN - CLC 09/24/2019	REVISED -
		CHECKED - JLF 09/24/2019	REVISED -
		DATE - 2/6/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
NARRAGANSETT AVE- CE 300' S OF WRIGHTWOOD & WRIGHTWOOD AVE
SCALE: 1" = 10'
SHEET 5 OF 9 SHEETS STA. TO STA.

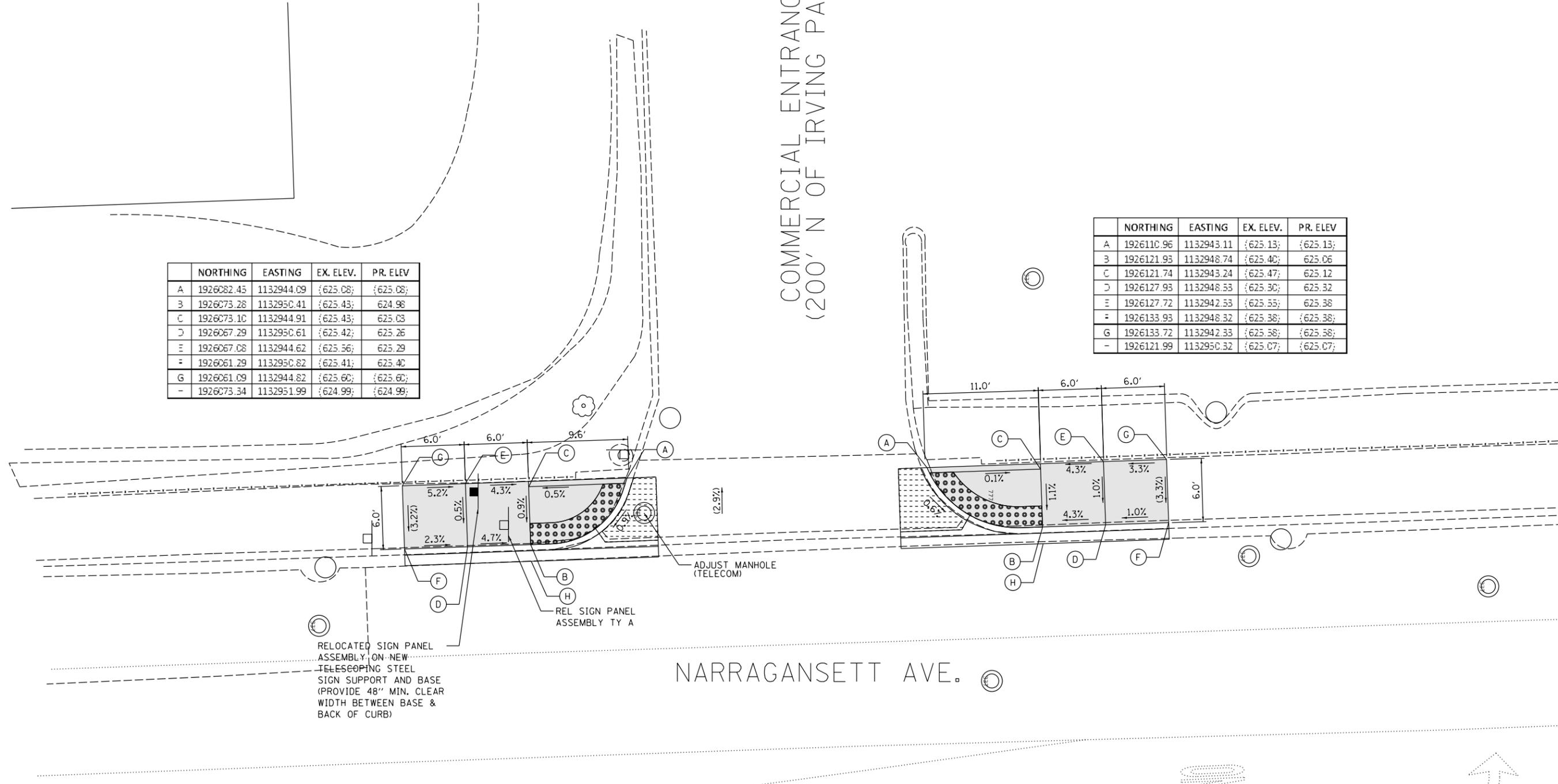
F.A.U. RTE. 2783	SECTION 2019-073-RS&SW	COUNTY COOK	TOTAL SHEETS 58	SHEET NO. 33
CONTRACT NO. 62J50				
ILLINOIS FED. AID PROJECT				



COMMERCIAL ENTRANCE
 (200' N OF IRVING PARK)

	NORTHING	EASTING	EX. ELEV.	PR. ELEV
A	1926082.45	1132944.09	{625.08}	{625.08}
B	1926073.28	1132950.41	{625.43}	624.98
C	1926073.10	1132944.91	{625.43}	625.03
D	1926067.29	1132950.61	{625.42}	625.26
E	1926067.08	1132944.62	{625.56}	625.29
F	1926061.29	1132950.82	{625.41}	625.40
G	1926061.09	1132944.82	{625.60}	{625.60}
-	1926073.34	1132951.99	{624.99}	{624.99}

	NORTHING	EASTING	EX. ELEV.	PR. ELEV
A	1926110.96	1132943.11	{625.13}	{625.13}
B	1926121.93	1132948.74	{625.40}	625.06
C	1926121.74	1132943.24	{625.47}	625.12
D	1926127.93	1132948.53	{625.30}	625.32
E	1926127.72	1132942.53	{625.55}	625.38
F	1926133.93	1132948.32	{625.38}	{625.38}
G	1926133.72	1132942.33	{625.58}	{625.58}
-	1926121.99	1132950.32	{625.07}	{625.07}



RELOCATED SIGN PANEL ASSEMBLY ON NEW TELESCOPING STEEL SIGN SUPPORT AND BASE (PROVIDE 48" MIN. CLEAR WIDTH BETWEEN BASE & BACK OF CURB)

NARRAGANSETT AVE.

LEGEND

- xx.xx' EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE

- PROPOSED SIDEWALK
- PROPOSED SIDE CURB
- SC TOP OF PROPOSED SIDE CURB

- DRIVEWAY PAVEMENT REMOVAL & PCC DRIVEWAY PAVEMENT, 8"
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK #1 ELEV 629.04
 BENCHMARK: SQUARE ON THE E. SIDE OF CONC. BASE FOR LIGHT POLE.
 LOCATION: IN PARKING LOT 256' N OF IRVING PARK AND 69' W OF BACK OF CURB OF NARRAGANSETT AVE.

DESIGNED MDS 11/07/19
 DRAWN MDS 11/07/19
 REVIEWED JLF 11/07/19

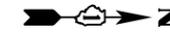
FILE NAME =	USER NAME = Ander-00833	DESIGNED - MDS 11/07/2019	REVISED -
D:\2019\19-sht-plan-7.dgn		DRAWN - MDS 11/07/2019	REVISED -
Default		CHECKED - JLF 11/07/2019	REVISED -
		DATE - 11/7/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN	
NARRAGANSETT AVE- CE 200' N OF IRVING PARK AVE	
SCALE: 1" = 10'	SHEET 7 OF 9 SHEETS STA. TO STA.

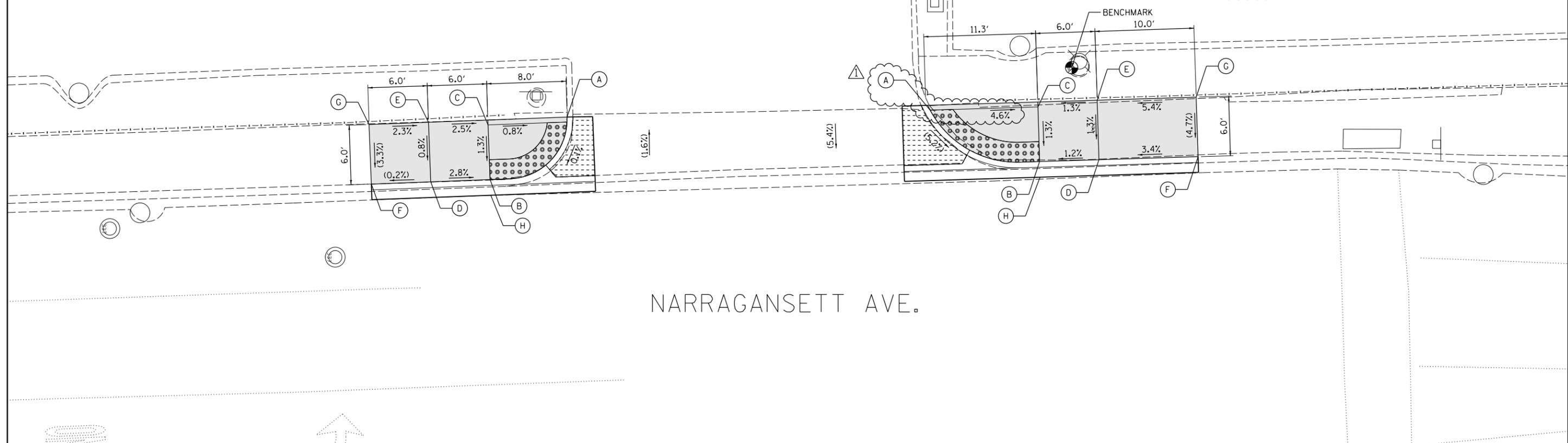
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-RS&SW	COOK	#TOPG#	#CUPG#
			CONTRACT NO. 62J50	
ILLINOIS FED. AID PROJECT				

COMMERCIAL ENTRANCE
 (300' N OF IRVING PARK)



	NORTHING	EASTING	EX. ELEV.	PR. ELEV
A	1926187.70	1132940.26	(625.17)	(625.17)
B	1926179.93	1132946.56	(625.33)	625.16
C	1926179.72	1132941.06	(625.42)	625.23
D	1926173.93	1132946.79	(625.33)	(625.33)
E	1926173.71	1132940.79	(625.47)	625.38
F	1926167.94	1132947.01	(625.32)	(625.32)
G	1926167.71	1132941.02	(625.52)	(625.52)
H	1926179.99	1132948.14	(625.17)	(625.17)

	NORTHING	EASTING	EX. ELEV.	PR. ELEV
A	1926224.33	1132939.58	(625.68)	(625.68)
B	1926235.37	1132944.74	(625.50)	625.11
C	1926235.20	1132939.25	(625.66)	625.18
D	1926241.37	1132944.56	(625.52)	625.18
E	1926241.19	1132938.57	(625.77)	625.26
F	1926251.36	1132944.26	(625.52)	(625.52)
G	1926251.18	1132938.26	(625.80)	(625.80)
H	1926235.42	1132946.32	(625.12)	(625.12)



NARRAGANSETT AVE.

LEGEND

- | | |
|--------|--------------------------|
| xx.xx' | EXISTING LENGTH |
| () | EXISTING ELEVATION/SLOPE |
- | | |
|----|---------------------------|
| | PROPOSED SIDEWALK |
| | PROPOSED SIDE CURB |
| SC | TOP OF PROPOSED SIDE CURB |
- | | |
|--|---|
| | DRIVEWAY PAVEMENT REMOVAL & PCC DRIVEWAY PAVEMENT, 8" |
| | DETECTABLE WARNINGS |
| | SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD |

REFERENCE BENCHMARK ELEV 856.66
 BENCHMARK: SQUARE CUT ON THE S. SIDE OF CONC. BASE FOR LIGHT POLE.
 LOCATION: ON NORTH WEST CORNER OF NARRAGANSETT AVE. AND COMMERCIAL ENTRANCE 300' FROM IRVING PARK

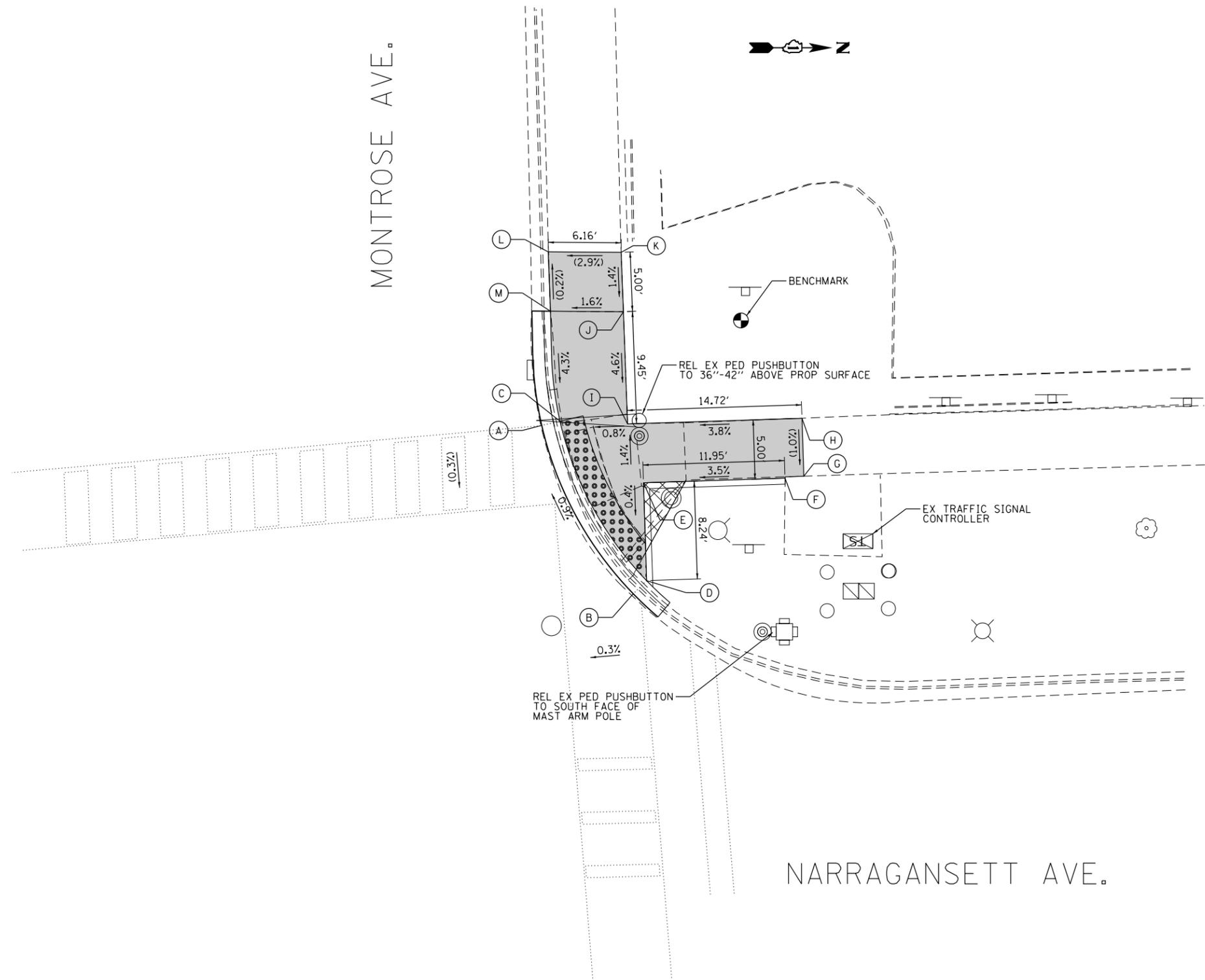
DESIGNED MDS 11/07/19
 DRAWN MDS 11/07/19
 REVIEWED JLF 11/07/19

FILE NAME = D:\2019\19-sht-plan-8.dgn	USER NAME = Ander-00833	DESIGNED - MDS 11/07/2019	REVISED - 02/06/2020 MDS
		DRAWN - MDS 11/07/2019	REVISED -
		CHECKED - JLF 11/07/2019	REVISED -
		DATE - 2/6/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SIDEWALK DETAIL PLAN
 NARRAGANSETT AVE- CE 300' N OF IRVING PARK AVE**
 SCALE: 1" = 10' SHEET 8 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-RS&SW	COOK	#TOPG#	#CUPG#
CONTRACT NO. 62J50				
ILLINOIS FED. AID PROJECT				



	NORTHING	EASTING	EX. ELEV.	PR. ELEV.
A	1928590.14	1132848.63	(621.38)	(621.38)
B	1928597.86	1132862.78	(621.53)	(621.53)
C	1928591.68	1132848.27	(621.42)	621.37
D	1928598.99	1132861.69	(621.64)	621.54
E	1928598.72	1132853.45	(621.78)	621.51
F	1928610.67	1132853.07	(621.93)	(621.93)
G	1928612.25	1132852.90	(621.95)	(621.95)
H	1928612.09	1132848.02	(622.00)	(622.00)
I	1928597.38	1132848.49	(621.74)	621.44
J	1928597.03	1132839.05	(622.05)	621.87
K	1928596.84	1132834.05	(621.94)	(621.94)
L	1928590.68	1132834.01	(621.76)	(621.76)
M	1928590.87	1132839.01	(621.77)	(621.77)

NOTE:
 THE INACCESSIBLE PEDESTRIAN PUSHBUTTON SHALL BE RELOCATED TO THE SOUTH SIDE OF THE MAST ARM POLE, THE EXISTING 2C CABLE SHALL BE REMOVED. NEW 2C CABLE SHALL BE INSTALLED.

REFERENCE BENCHMARK ELEV 622.54
 BENCHMARK: CHISLED SQUARE ON EAST CORNER OF COMMERCIAL SIGN FOUNDATION
 LOCATION: NW CORNER OF NARRAGANSETT AVE. & MONTROSE AVE.

LEGEND

xx.xx'

EXISTING LENGTH

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



PROPOSED SIDE CURB

SC

TOP OF PROPOSED SIDE CURB



CLASS D PATCH



DETECTABLE WARNINGS



SIDEWALK REMOVAL
 REPLACE W/TOPSOIL & SOD

DESIGNED	MDS	9/24/19
DRAWN	CLC	9/24/19
REVIEWED	JLF	9/24/19

FILE NAME :	DI201919-sht-plan-9.dgn
USER NAME :	miduja
DESIGNED :	MDS 09/24/2019
DRAWN :	CLC 09/24/2019
CHECKED :	JLF 09/24/2019
DATE :	5/7/2020
REVISIONS :	

DESIGNED :	MDS 09/24/2019
DRAWN :	CLC 09/24/2019
CHECKED :	JLF 09/24/2019
DATE :	5/7/2020

DESIGNED :	MDS 09/24/2019
DRAWN :	CLC 09/24/2019
CHECKED :	JLF 09/24/2019
DATE :	5/7/2020

DESIGNED :	MDS 09/24/2019
DRAWN :	CLC 09/24/2019
CHECKED :	JLF 09/24/2019
DATE :	5/7/2020

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

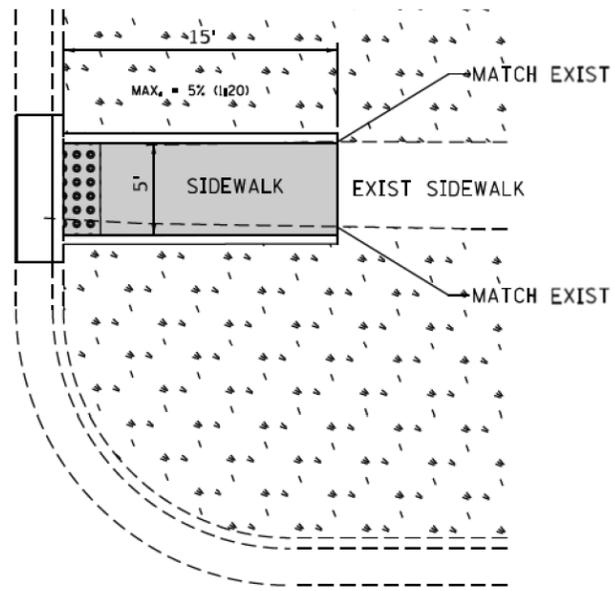
**SIDEWALK DETAIL PLAN
 NARRAGANSETT AVE- MONTROSE AVE**

SCALE: 1" = 10' SHEET 9 OF 9 SHEETS STA. TO STA.

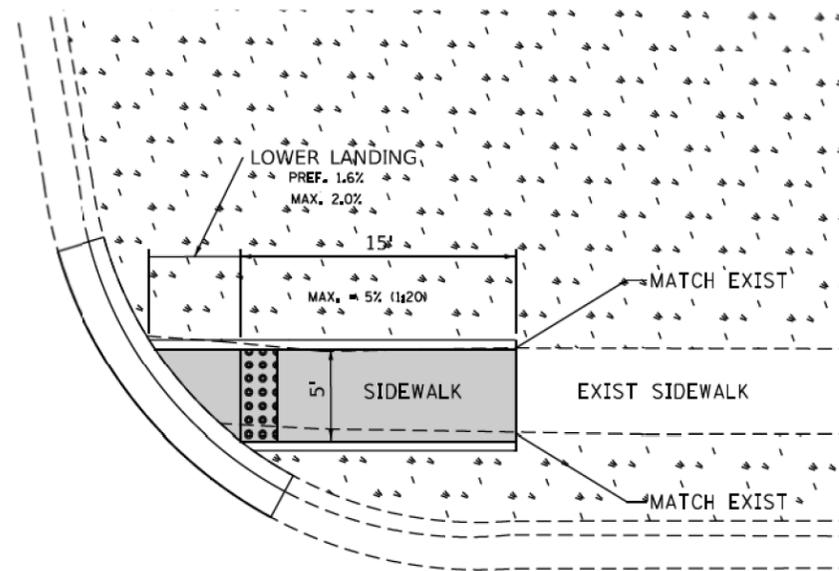
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-RS&SW	COOK	58	37
				CONTRACT NO. 62J50
ILLINOIS FED. AID PROJECT				

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ EXIST. 5% OR LESS RUN. SLOPE

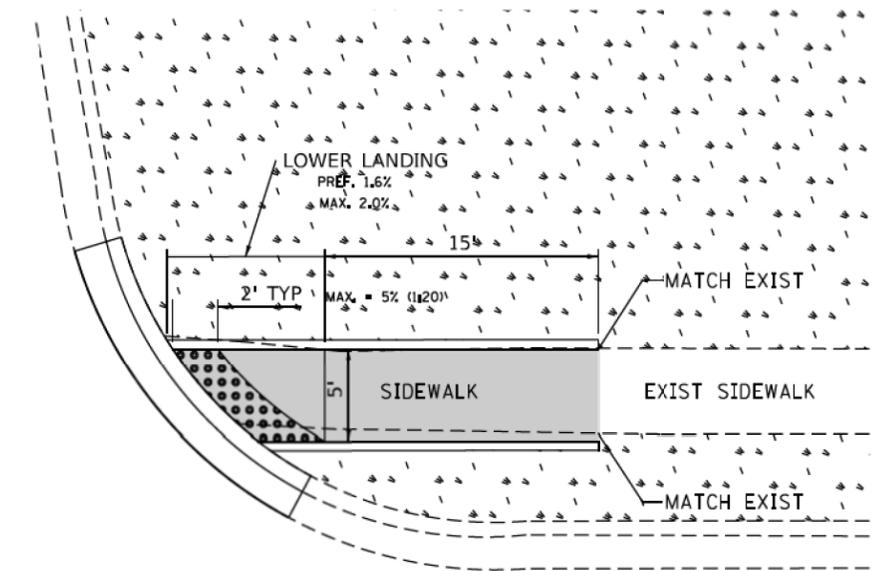
PD-01A



PD-01B



PD-01C



LEGEND

- EXIST. GRASS
- PROPOSED SIDE CURB
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS

CONSTRUCTION NOTES

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

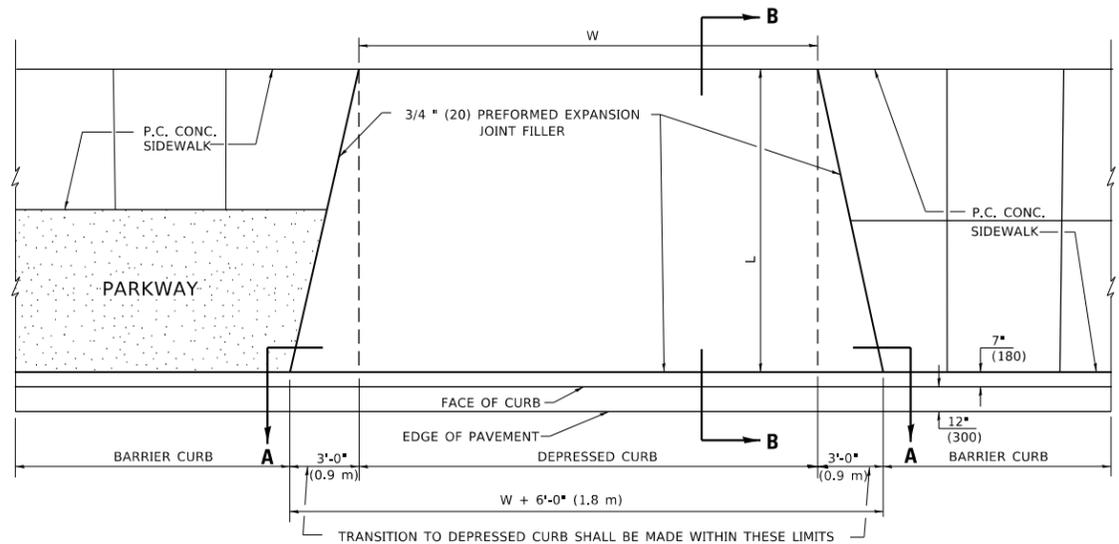
FILE NAME =	USER NAME = ldeznerm	DESIGNED -	REVISED -
S:\WP\PLANPREP\SQUAD\Des.RL\Typical ADA details\Typical-ADA-shr-plandgn		DRAWN - RL 10/2/2019	REVISED -
Default	PLOT SCALE = 10:0000 / / 1/4"	CHECKED -	REVISED -
	PLOT DATE = 10/2/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD-01)

SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

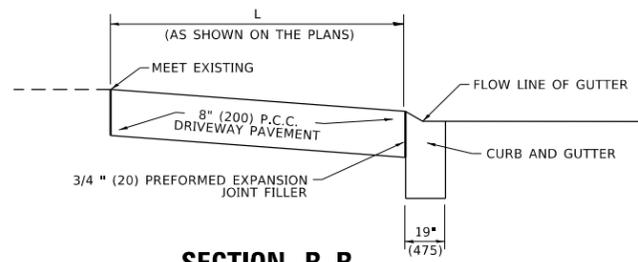
F.A.U. RTE. 2783	SECTION 2019-073-RS&SW	COUNTY COOK	TOTAL SHEETS 8	SHEET NO. 6
PD-01		CONTRACT NO. 62J50	ILLINOIS FED. AID PROJECT	



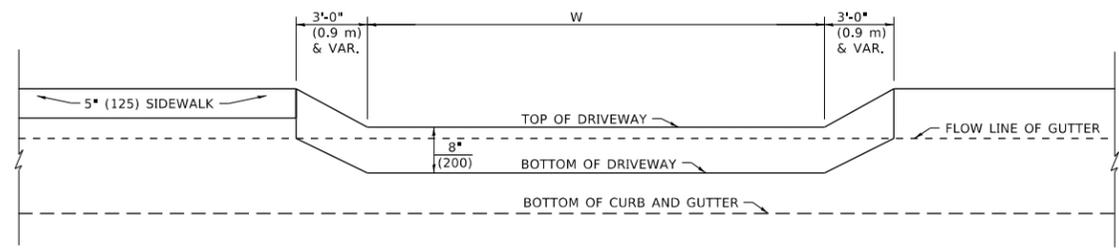
PLAN VIEW

NOTES:

1. EXPANSION JOINTS SHALL BE CONSTRUCTED AS SHOWN ON THE DETAILS FOR P.C.C. SIDEWALK.
2. THE CURB BETWEEN ADJACENT DRIVEWAYS SHALL BE FULL HEIGHT FOR A DISTANCE OF AT LEAST FOUR FEET (1.2 METERS).
3. P.C. CONCRETE DRIVEWAYS SHALL BE CONSTRUCTED AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
4. 3/4" (20) PREFORMED EXPANSION JOINTS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO P.C.C. DRIVEWAY PAVEMENT 8" (200).
5. COMBINATION CONC. CURB AND GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE TRANSITION CURB AND GUTTER.

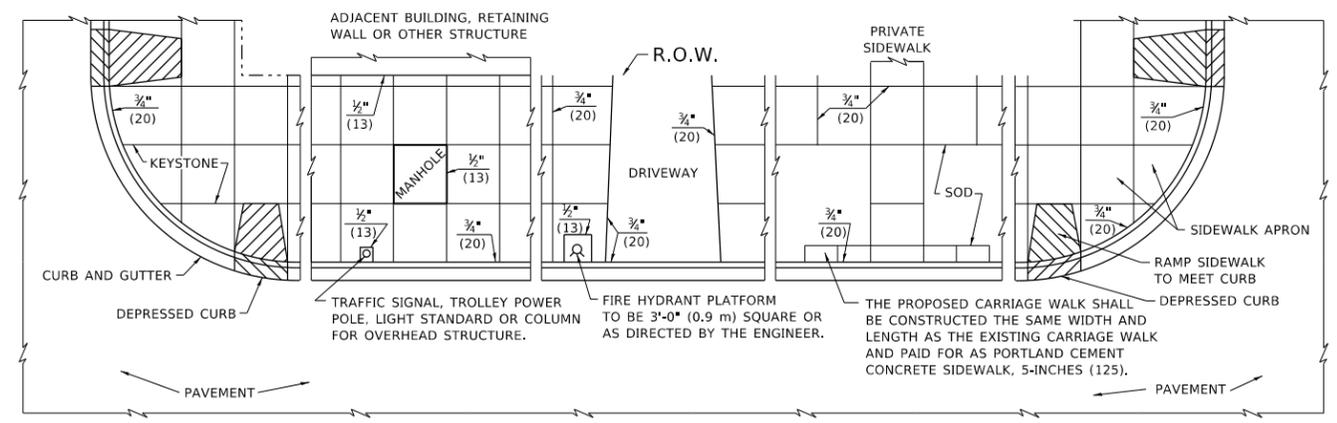


SECTION B-B



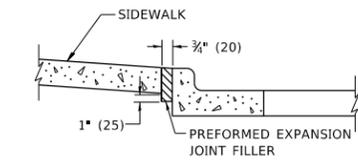
SECTION A-A

P.C.C. DRIVEWAY PAVEMENT DETAIL



NOTES:

1. ONE-HALF INCH THICK EXPANSION JOINTS SHALL BE PLACED BETWEEN THE SIDEWALK AND ALL STRUCTURES SUCH AS LIGHT STANDARDS, TRAFFIC LIGHT STANDARDS, MANHOLES, WHICH EXTEND THROUGH THE SIDEWALK.
2. 3/4" (20) THICK EXPANSION JOINTS SHALL BE PLACED AT INTERVALS OF NOT MORE THAN 100 FEET (30 METERS) IN THE SIDEWALK. WHERE THE SIDEWALK IS CONSTRUCTED ADJACENT TO PAVEMENT OR CURB HAVING EXPANSION JOINTS, THE EXPANSION JOINTS IN THE SIDEWALK SHALL BE PLACED OPPOSITE THE EXISTING EXPANSION JOINTS AS NEARLY AS PRACTICABLE. EXPANSION JOINTS SHALL ALSO BE PLACED WHERE THE SIDEWALK ABUTS EXISTING SIDEWALKS, BETWEEN DRIVEWAY PAVEMENT AND SIDEWALK, AND BETWEEN SIDEWALK AND CURBS WHERE THE SIDEWALK ABUTS THE CURB.

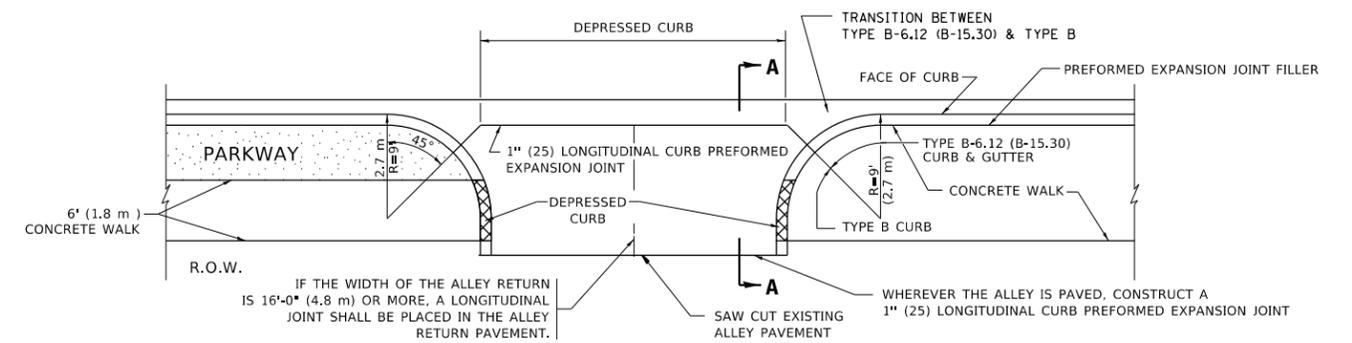


SLOPE FOR SIDEWALK
1" (25) IN 3'-0" (0.9 m) IN CHICAGO

PORTLAND CEMENT CONCRETE SIDEWALK DETAILS

NOTES:

NO EXTRA COMPENSATION SHALL BE ALLOWED FOR THE GUTTER FLARE



SECTION A-A

ALLEY RETURN DETAIL

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

MODEL: Default
FILE: \\hpc\p\pub\hpc\room\dat\illinois\gov\PHWDOT\Documents\DOT_Offices\Dir\ctc_1\Projects\210919\CADD\Drawings\Design\Drawings.dgn

USER NAME = khanms	DESIGNED - M. DE YONG	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2019	DATE - 06-13-90	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CITY OF CHICAGO
DETAILS FOR P.C. CONCRETE DRIVEWAY, ALLEY RETURN AND SIDEWALK**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-RS & SW	COOK	58	39
BD400-03	(BD-17)	CONTRACT NO. 62J50		
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

18" (450) MAX.

EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

¼" (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 ¾" (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.

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 USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE 3).

NOTE:

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

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.

MODEL: Default
FILE: \\hpc\p\pub\hpc\com\dat\illinois\gov\p\w\dot\Documents\DOT_Offices\District_1\Projects\120919\CADD\Drawings\Design\DES4.dgn

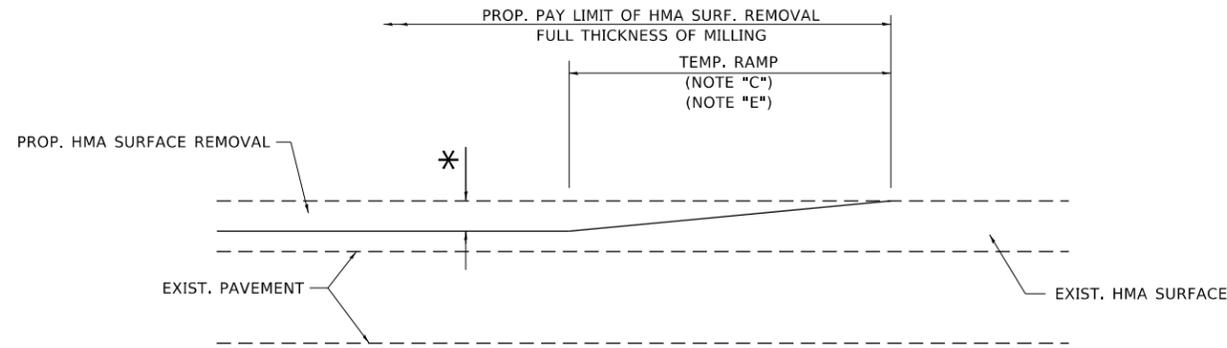
USER NAME = khanms	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96
	DRAWN -	REVISED - A. ABBAS 03-21-97
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M. GOMEZ 01-22-01
PLOT DATE = 10/18/2019	DATE - 03-11-94	REVISED - R. BORO 12-15-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER
REMOVAL AND REPLACEMENT

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

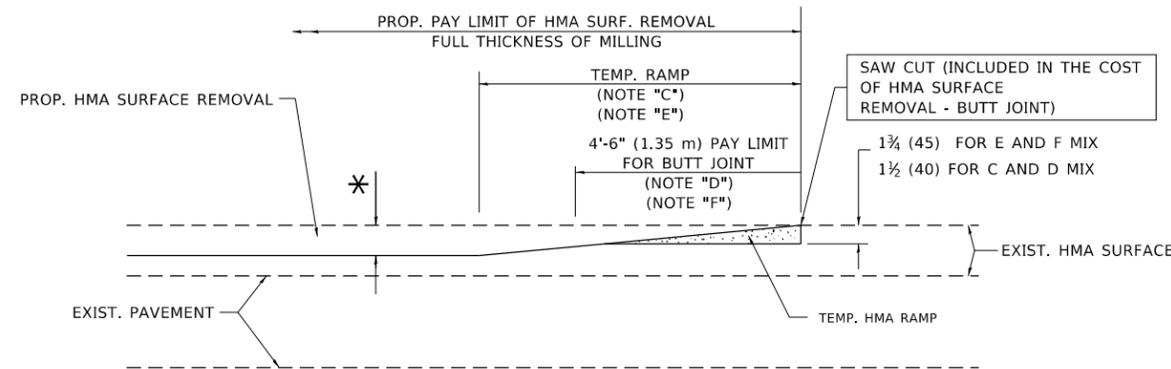
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-RS & SW	COOK	58	41
BD600-06 (BD-24)		CONTRACT NO. 62J50		
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

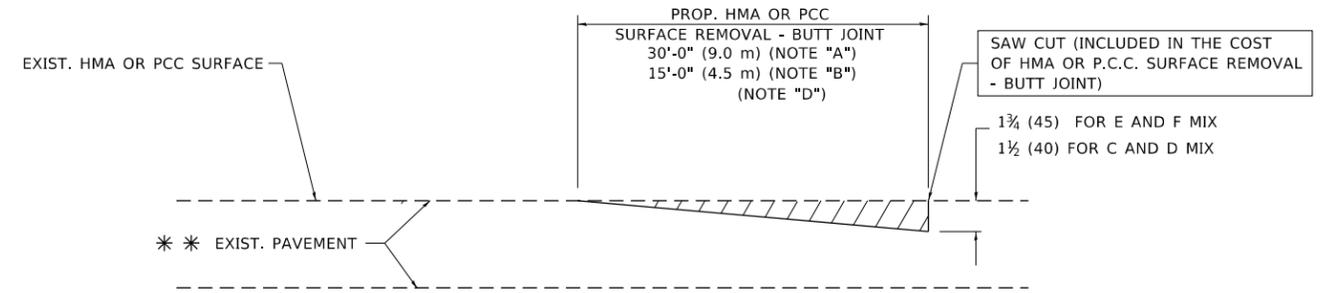


HMA CONSTRUCTED TEMPORARY RAMP

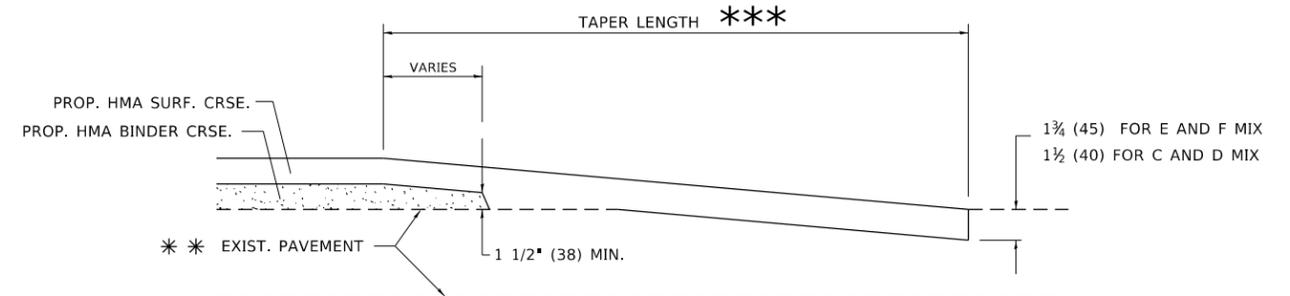
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

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.

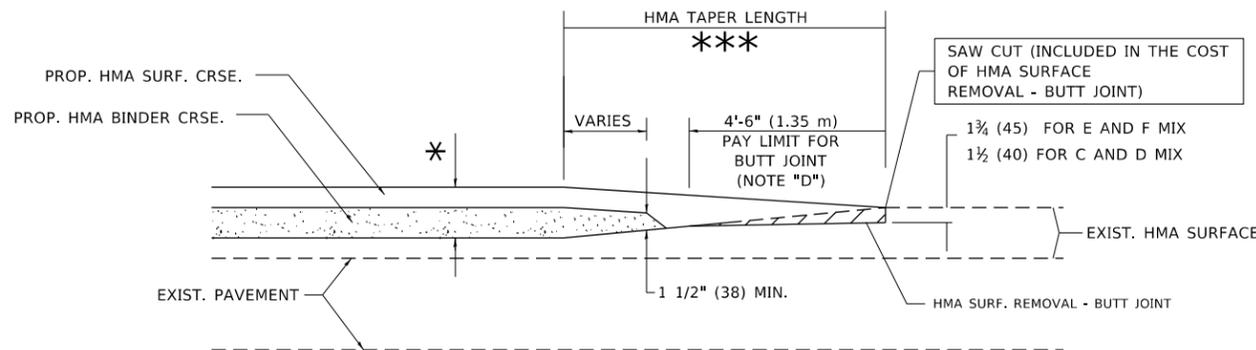
NOTES

- 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.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- G. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
*** 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.



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

MODEL: Default
FILE: \\hpc\p\pub\hpc\room\dat\illinois\pcc\p\WIDOT\Documents\DOT_Offices\Illinet\1\Projects\120919\CADD\ata\Design\DES\54.dgn

USER NAME = khanms	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
	DRAWN -	REVISED - A. ABBAS 03-21-97
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
PLOT DATE = 10/18/2019	DATE - 06-13-90	REVISED - R.BORO 01-01-07

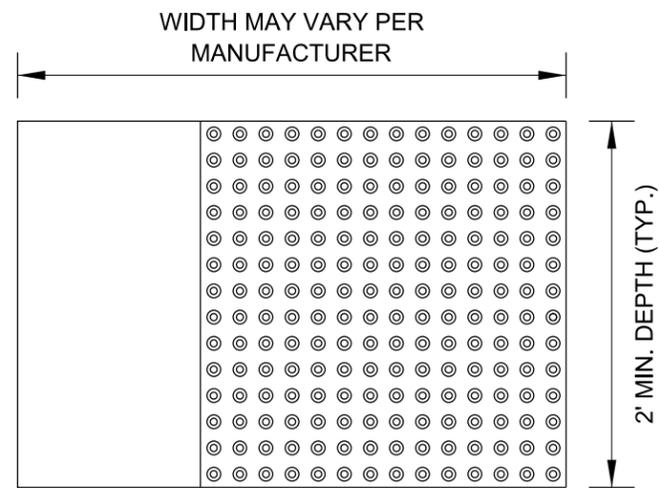
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

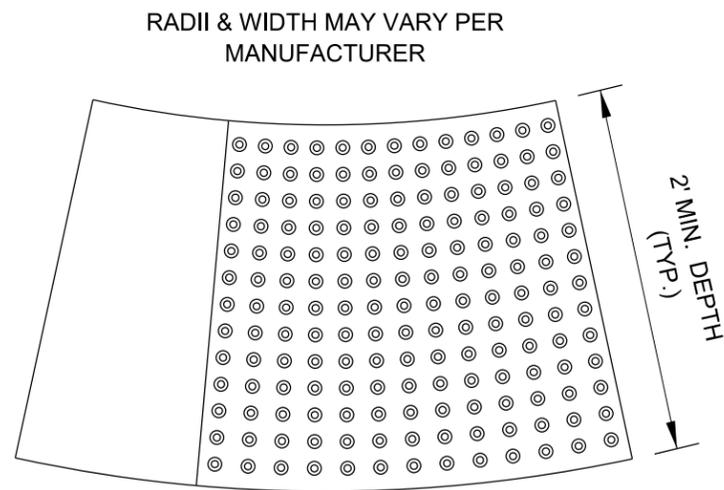
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-RS & SW	COOK	58	42
BD400-05 BD32		CONTRACT NO. 62J50		
ILLINOIS FED. AID PROJECT				

STRAIGHT DETECTABLE WARNING UNITS



RADIAL DETECTABLE WARNING UNITS

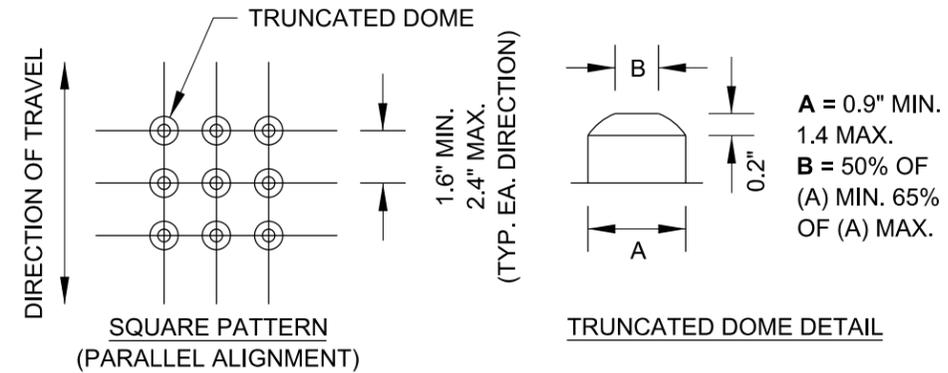


DETECTABLE WARNING UNIT SIZES

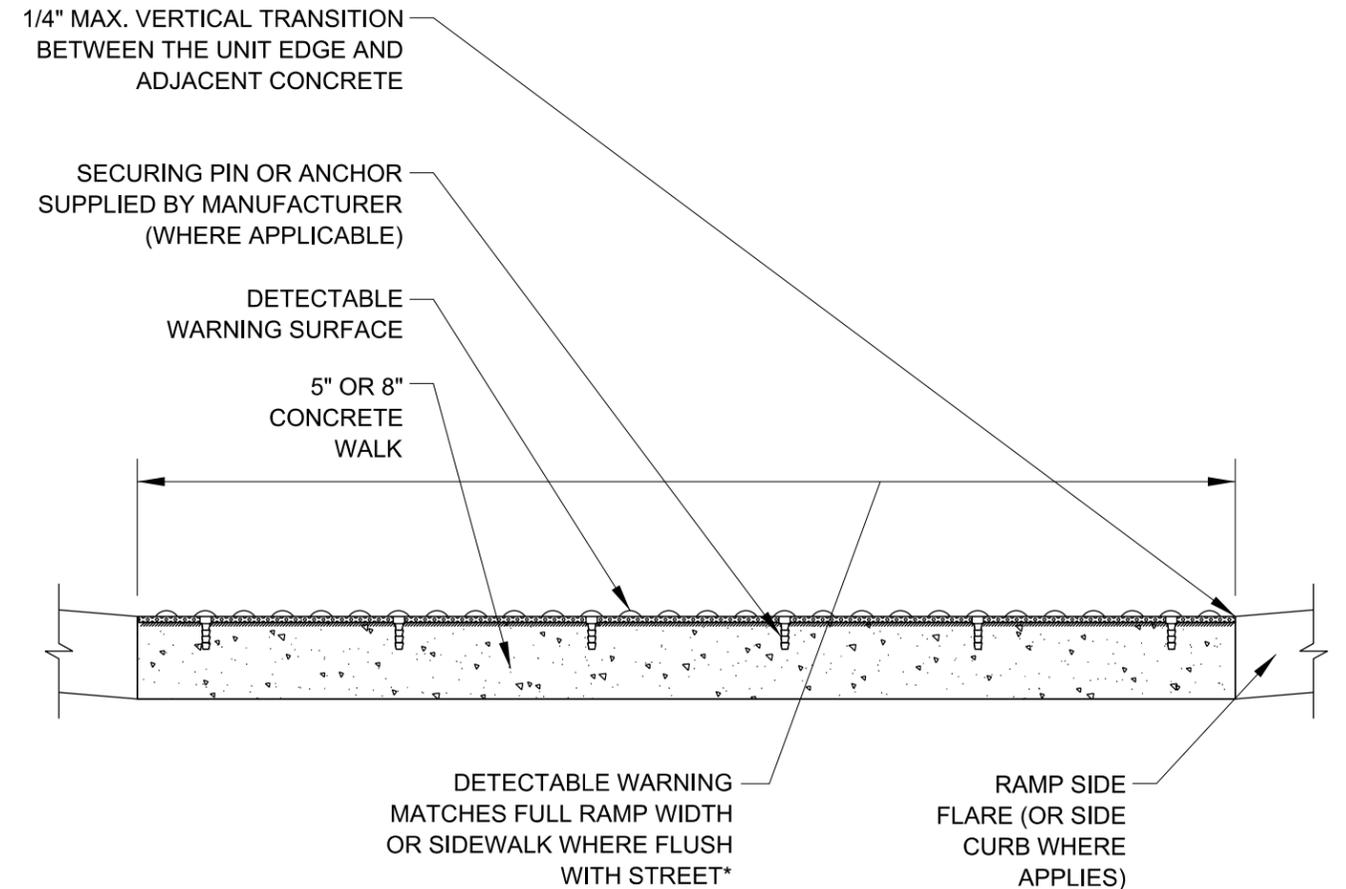
- VERIFY ALL DIMENSIONS WITH THE PRODUCT MANUFACTURER.
- IF USING RADIAL UNITS, VERIFY THAT THE CURB RADIUS MATCHES AVAILABLE UNIT RADII WITH THE PRODUCT MANUFACTURER.

GENERAL NOTE:

THE ROWS OF DOMES IN THE DETECTABLE WARNING MATERIAL MUST BE ALIGNED WITH THE PATH OF WHEELCHAIR TRAVEL WHICH IS REQUIRED TO BE PERPENDICULAR TO THE GRADE BREAK AT THE BOTTOM OF THE RAMP TO PERMIT TRACKING BETWEEN DOME ROWS. ON BLENDED TRANSITIONS OR FLUSH TRANSITIONS, WHERE RADIAL UNITS ARE SITUATED ABOUT THE CURB RADIUS, DOME ORIENTATION IS NOT SIGNIFICANT.



UNIT PATTERN & DOME DETAIL



*A BORDER OF 2 INCHES OR LESS AROUND THE DETECTABLE WARNING SURFACE IS ACCEPTABLE IF REQUIRED FOR PROPER INSTALLATION OF THE DETECTABLE WARNING SURFACE PRODUCT

DETECTABLE WARNING UNIT SECTION

MODEL: Default
FILE: \\nas01c.psuplanroom.dca.illinois.gov\PROJECTS\DOT Documents\DOT Offices\District 1\Projects\120919\CADD\Drawings\Design\DESIGN.dgn

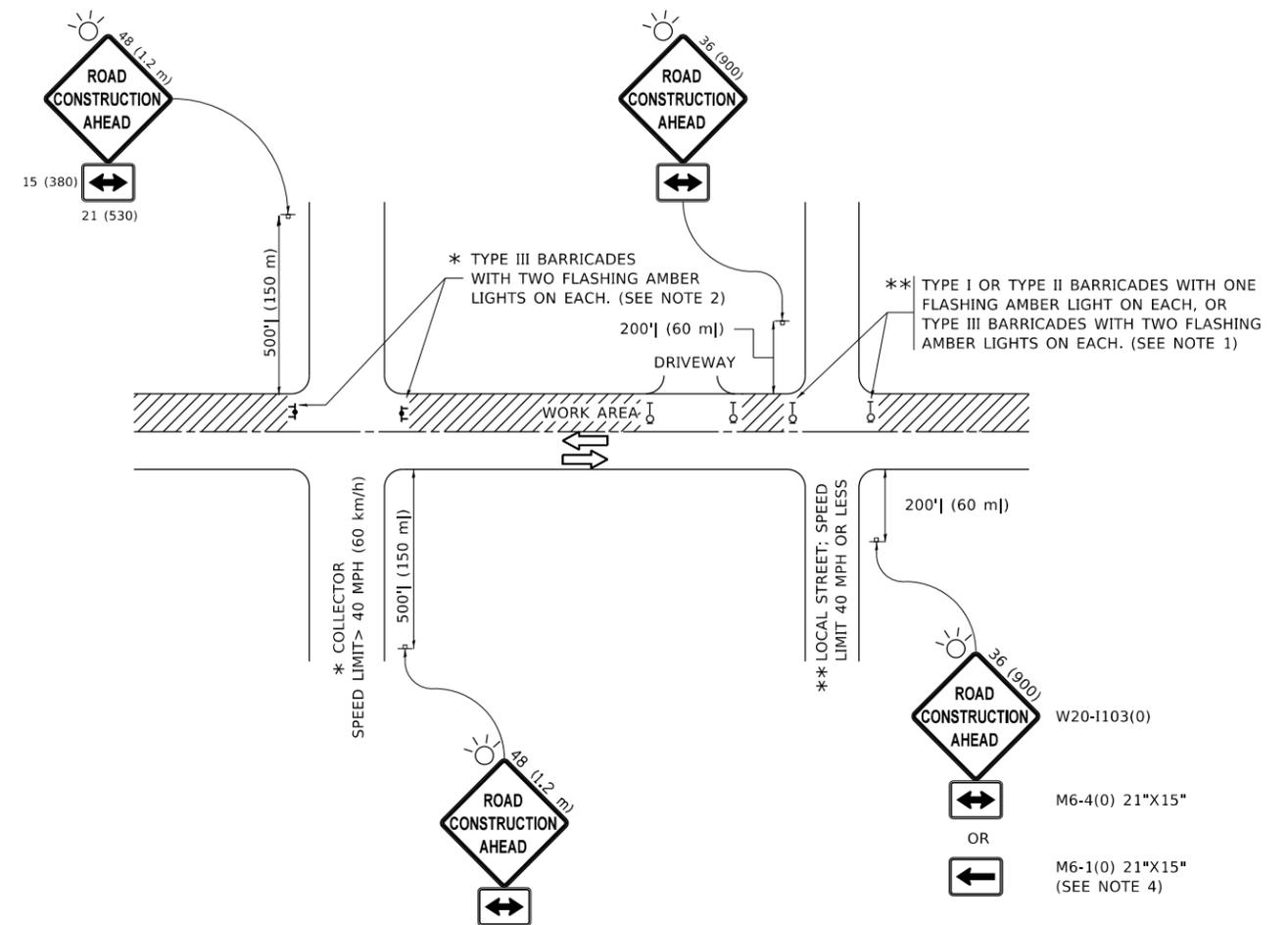
USER NAME = khamms	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2019	DATE - 06-20-2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO
DETECTABLE WARNINGS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-RS & SW	COOK	58	44
BD 58			CONTRACT NO. 62J50	
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) 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. 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.

MODEL: Default
 FILE: \\nashville-prod\planroom\ada\illinois.gov\PWIDOT\Documents\DOT_Offices\District_1\Projects\ID120919\CADD\Drawings\Design\DESIGN.dgn

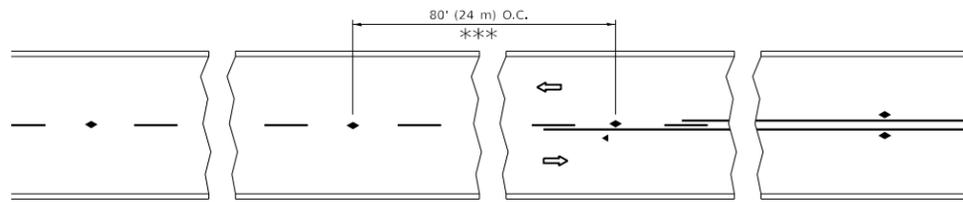
USER NAME = khamms	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 10/18/2019	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

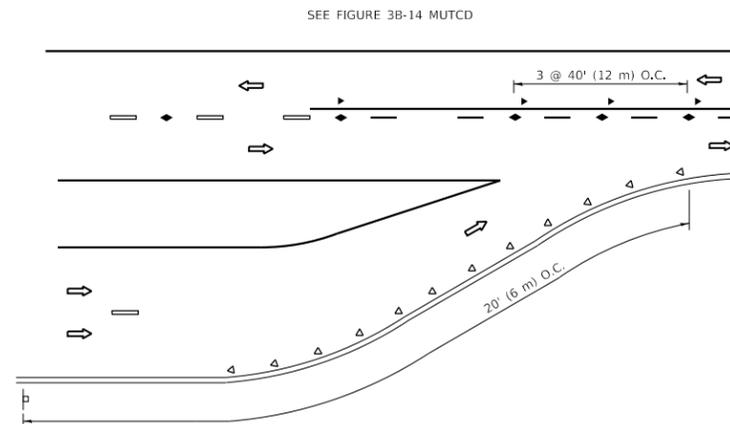
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-RS & SW	COOK	58	45
TC-10			CONTRACT NO. 62J50	
ILLINOIS FED. AID PROJECT				

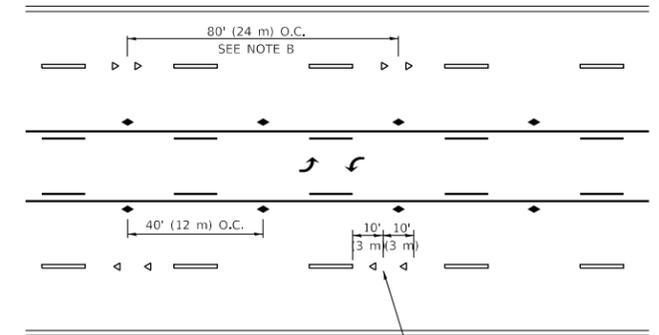


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

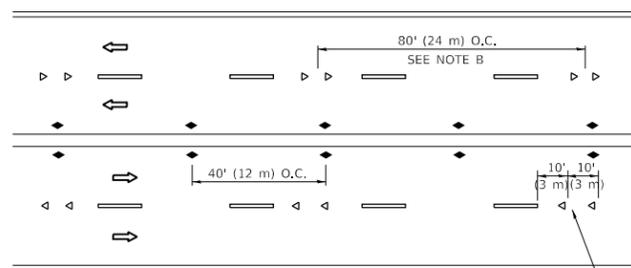
TWO-LANE/TWO-WAY



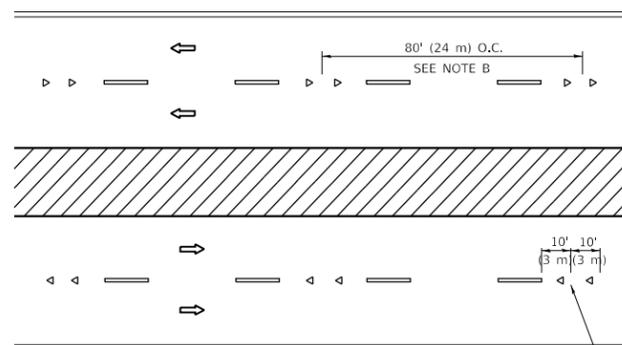
LANE REDUCTION TRANSITION



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.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

SYMBOLS

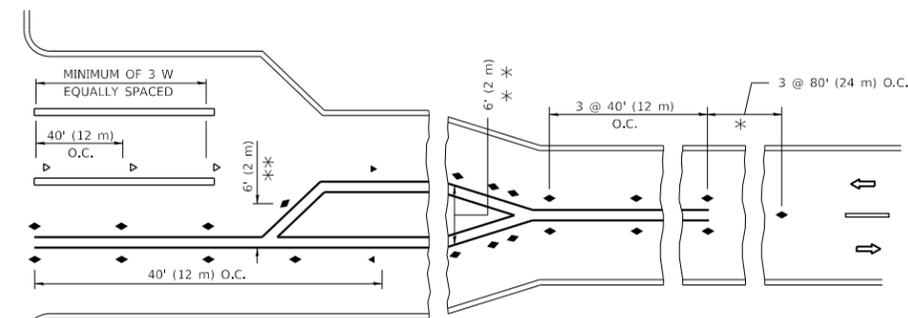
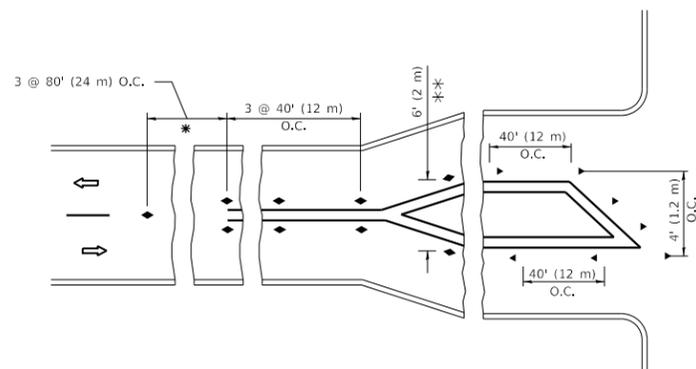
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.

TURN LANES

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

MODEL: Default
 FILE: \\bls01\pub\blsroom\dat\illinois.gov\PI\DOT\Documents\DOT_Offices\Director_1\Projects\120919\CADD\Design\Design\DESIGN.dgn

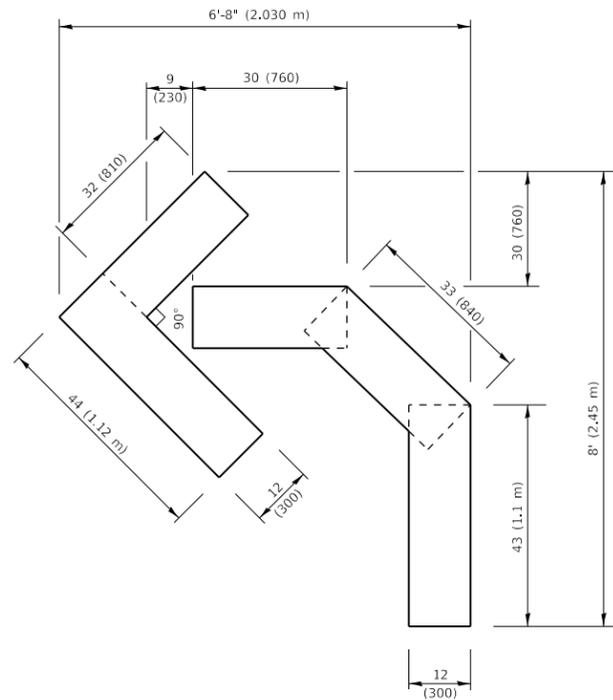
USER NAME = khanms	DESIGNED -	REVISED - T. RAMMACHER 03-12-99
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 10/18/2019	CHECKED -	REVISED - C. JUCIUS 09-09-09
	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

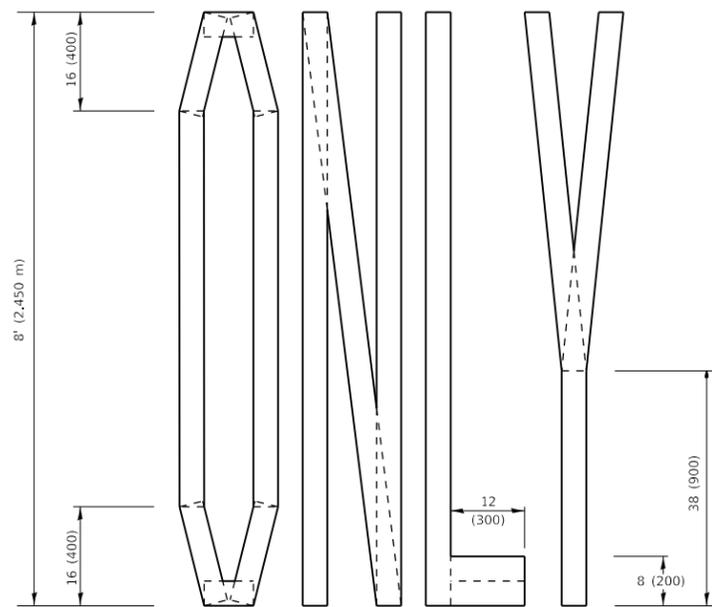
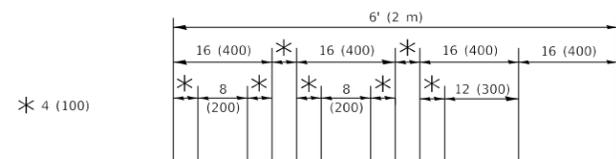
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-RS & SW	COOK	58	46
TC-11			CONTRACT NO. 62J50	
ILLINOIS		FED. AID PROJECT		



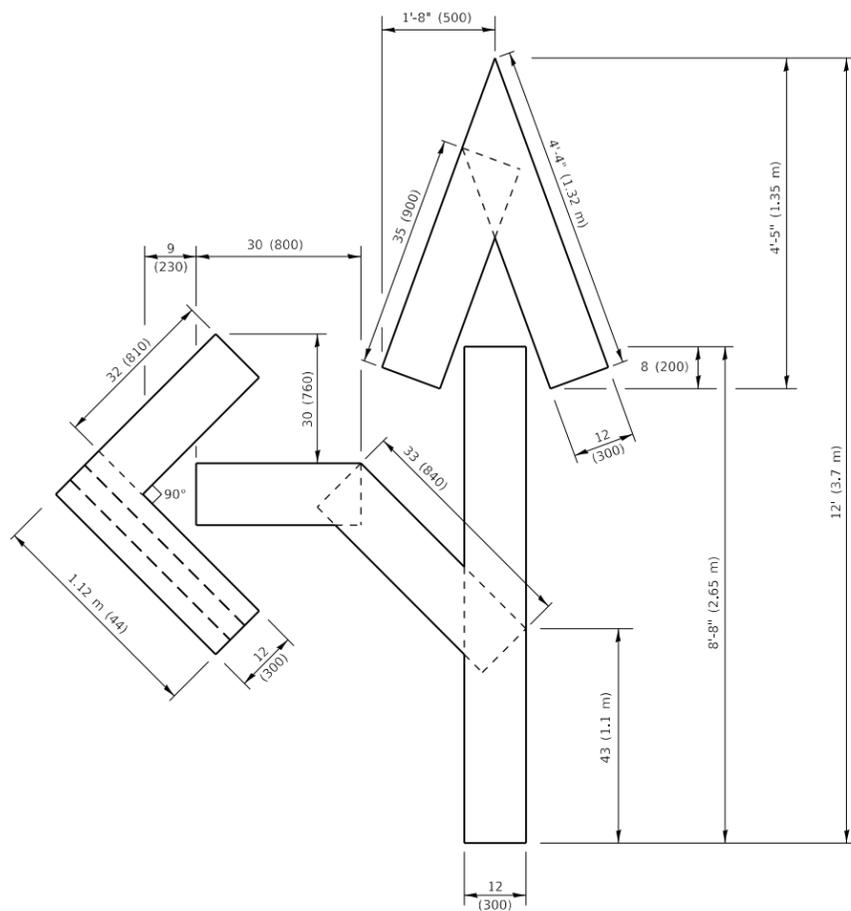
QUANTITY

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)

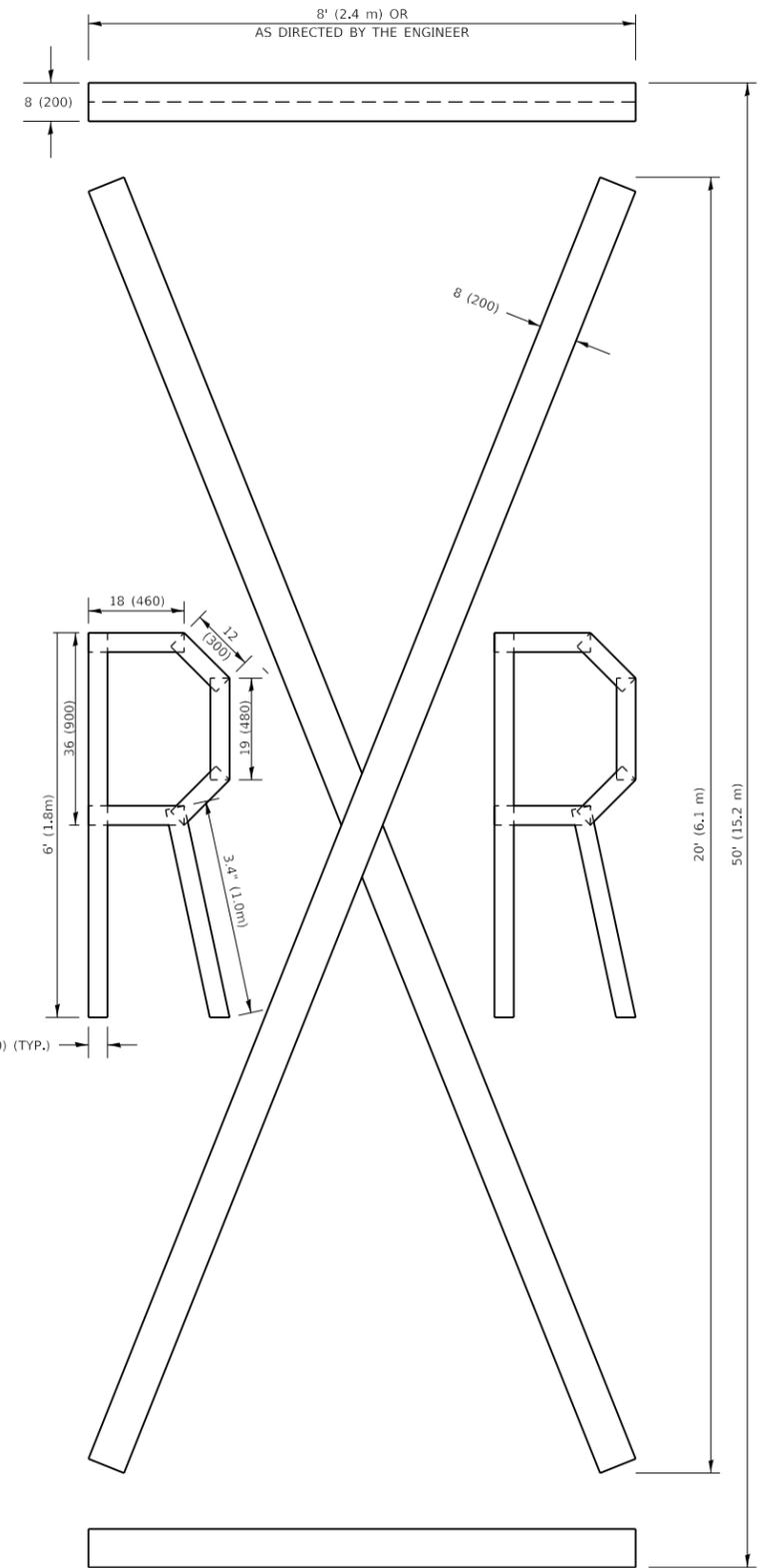


QUANTITY

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.

MODEL: Default
FILE: h:\m\p\pub\harcourt\at\links\poc\p\w\DOT\Documents\DOT_Offices\Director_1\Projects\120919\CADD\Drawings\Design\DRS\4.dgn

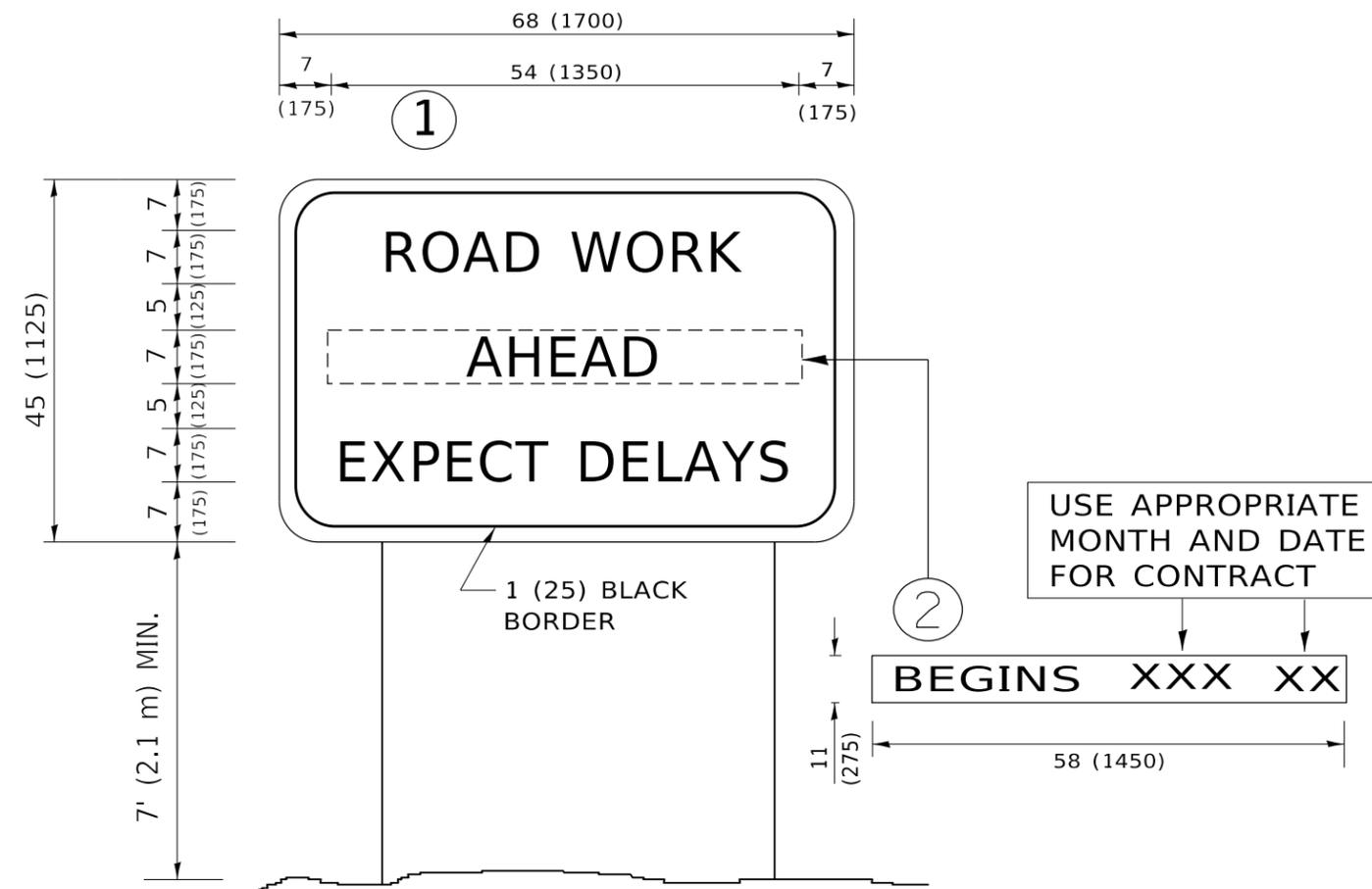
USER NAME = khanms	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 10/18/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-RS & SW	COOK	58	47
TC-16			CONTRACT NO. 62J50	
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.

MODEL: Default
 FILE: \\nas01c.pw.state.il.us\pub\haronm.d\at\illinois.gov\PWIDOT\Documents\DOT_Offices\District_1\Projects\120919\CADD\Drawings\Design\DRS\4.dgn

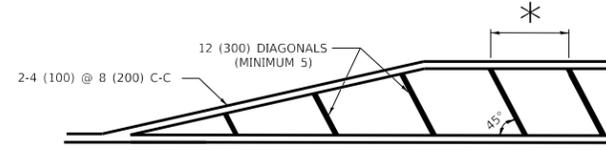
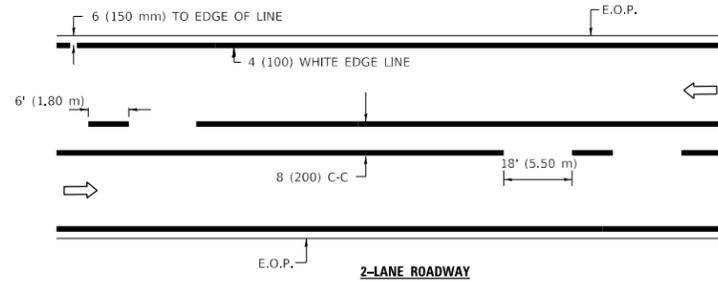
USER NAME = khanms	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 10/18/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

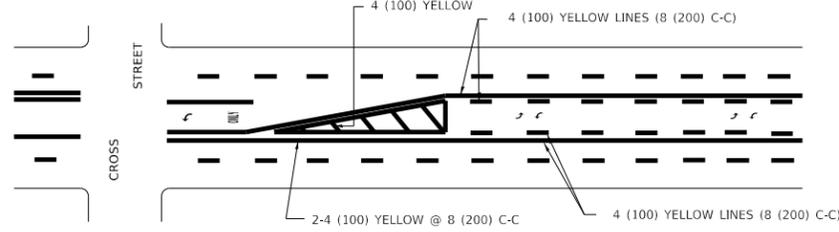
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-RS & SW	COOK	58	48
TC-22			CONTRACT NO. 62J50	
ILLINOIS FED. AID PROJECT				



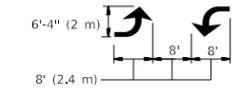
* FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

* DIAGONAL LINE SPACING: 20' (6.1 m) C-C

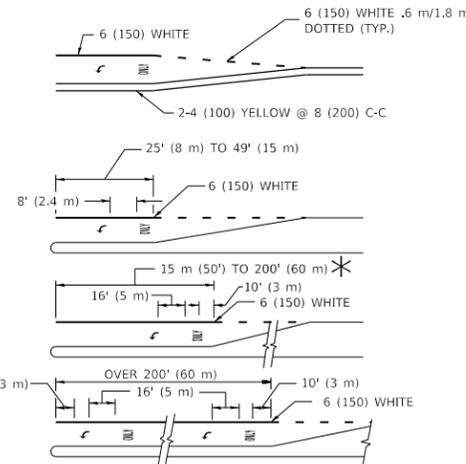
PAINTED MEDIANS



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 PAINTED MEDIAN MARKING



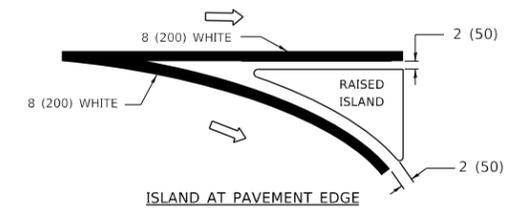
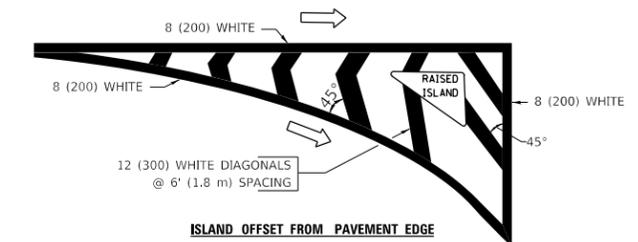
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.

AREA = 15.8 SQ. FT. (1.47 m²) ONLY AREA = 22.9 SQ. FT. (2.13 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

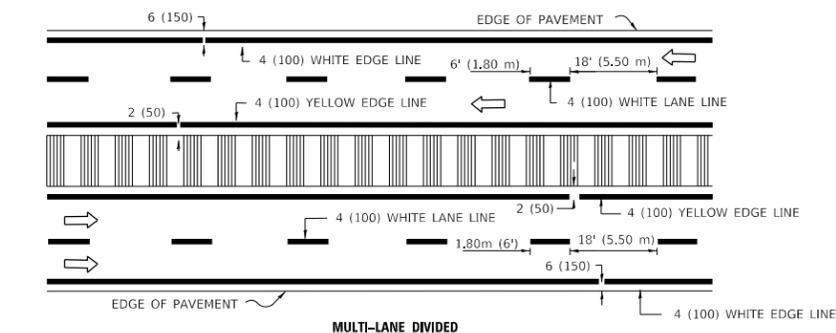
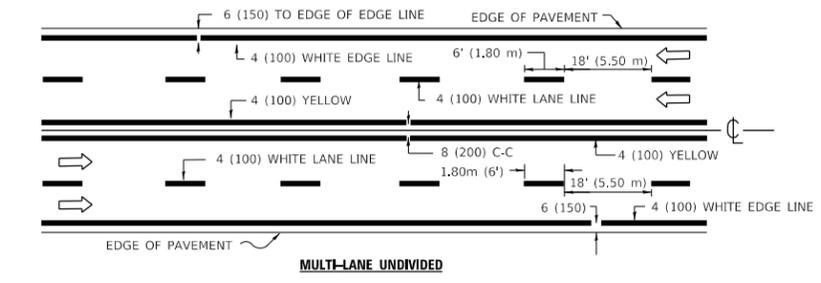


TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	6' (1.80 m) LINE WITH 18' (5.50 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	8 (200) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	8 (200) C-C
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	6' (1.80 m) LINE WITH 18' (5.50 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) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4 m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4 m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	6' (1.8 m) LINE WITH 18' (5.50 m) SPACE FOR SKIP-DASH; 8 (200) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES A. DIAGONAL (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL & PEDESTRIAN)	12 (300) @ 45° 24 (600) @ 90°	SOLID SOLID	WHITE WHITE	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°	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	8 (200) 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: 20' (6.1 m) (LESS THAN 30 MPH (50 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. (0.33m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)

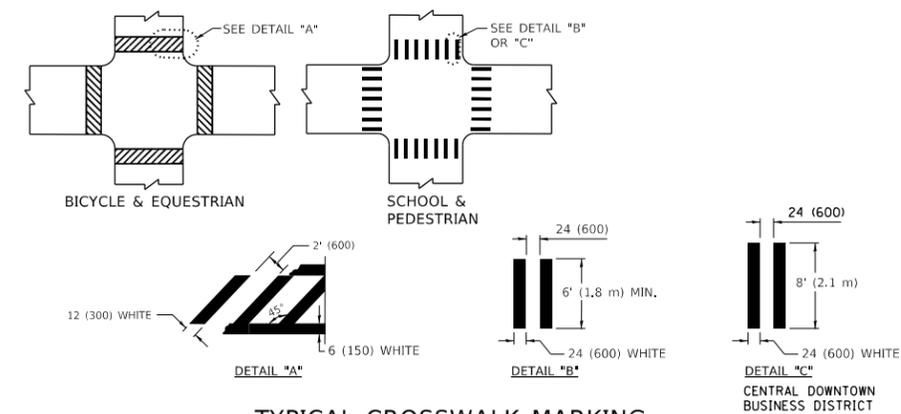
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STREET MARKING STANDARDS, PRINTED BY CITY OF CHICAGO, DEPARTMENT OF TRANSPORTATION, BUREAU OF TRAFFIC.

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



NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

MODEL: Default
FILE: Model_Plan_PlanRoom.eda;llinks;gwp;WIDDOT;Documents\DOT Office\Dir\dtct_1\Project\120919\CADD\Drawn\Design\DES.dgn

USER NAME = khanms	DESIGNED -	REVISED - T. RAMMACHER 12-07-00
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED - K. ENG 02-28-12
PLOT DATE = 10/18/2019	CHECKED -	REVISED -
	DATE -	REVISED -

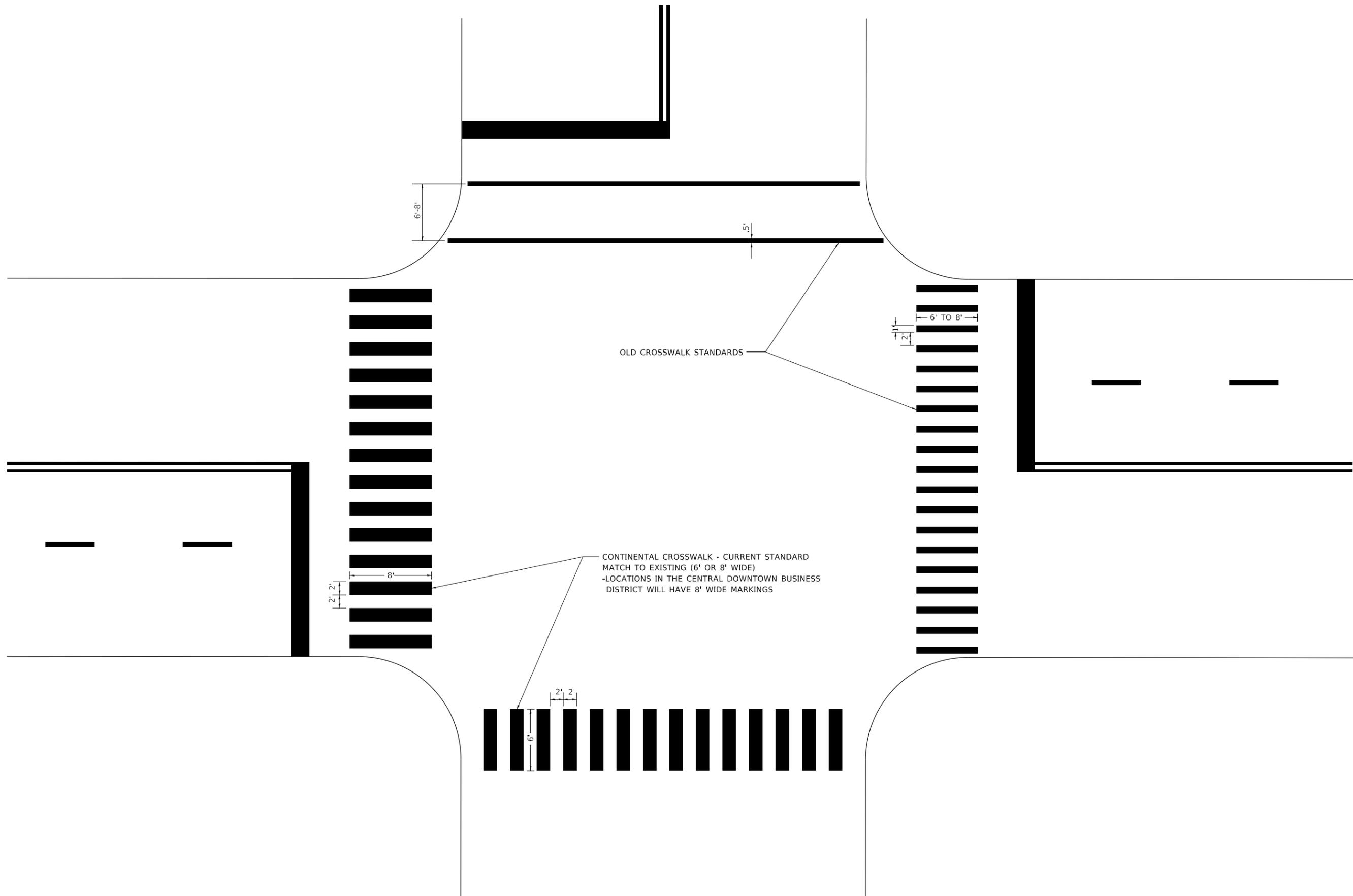
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO
TYPICAL PAVEMENT MARKINGS

SCALE: NONE SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-RS & SW	COOK	58	50
TC-24		CONTRACT NO. 62J50		
ILLINOIS		FED. AID PROJECT		

MODEL: Default
 FILE: Model: 20190718\pavement\DOT_0ffices\District_1\Projects\120919\CADD\Drawings\Design\DES.dgn



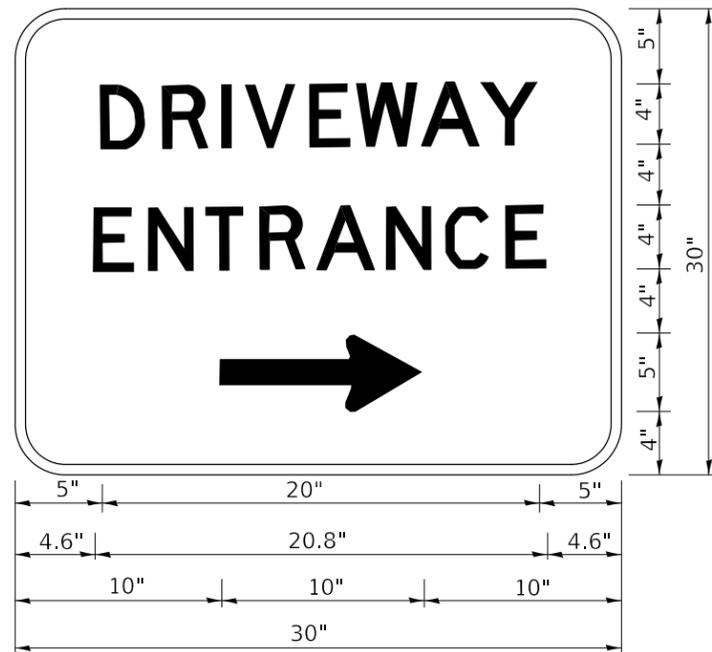
USER NAME = khanms	DESIGNED -	REVISED - T. RAMMACHER 12-07-00
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CITY OF CHICAGO
 TYPICAL PAVEMENT MARKINGS**

SCALE: NONE SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-RS & SW	COOK	58	52
TC-24			CONTRACT NO. 62J50	
ILLINOIS FED. AID PROJECT				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

MODEL: Default
 FILE: Model: 2019073-RS & SW\DOT Documents\DOT Office\District 1\Projects\120919\CADD\Drawings\Design\DRS54.dgn

USER NAME = khanms	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2019	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

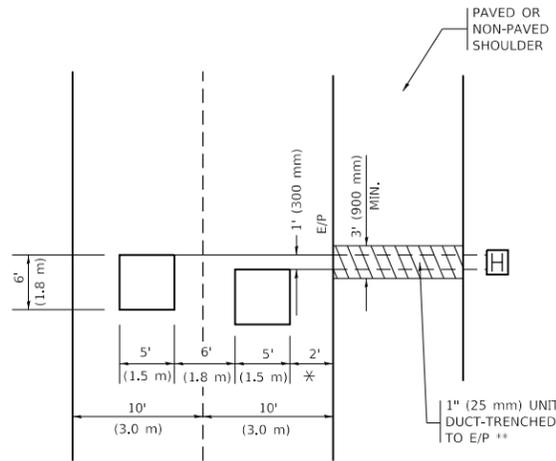
DRIVEWAY ENTRANCE SIGNING

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-RS & SW	COOK	58	53
TC-26			CONTRACT NO. 62J50	
ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

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

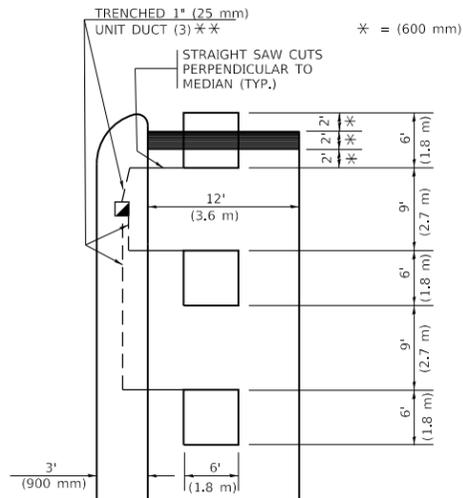


* = (600 mm)

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

LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)

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

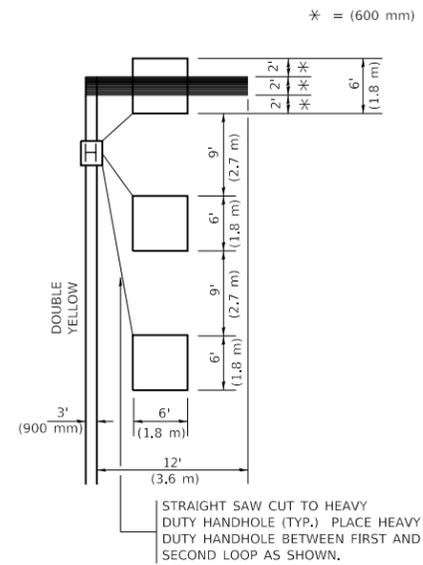


* = (600 mm)

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

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

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



* = (600 mm)

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

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 SEPARATLY. 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.

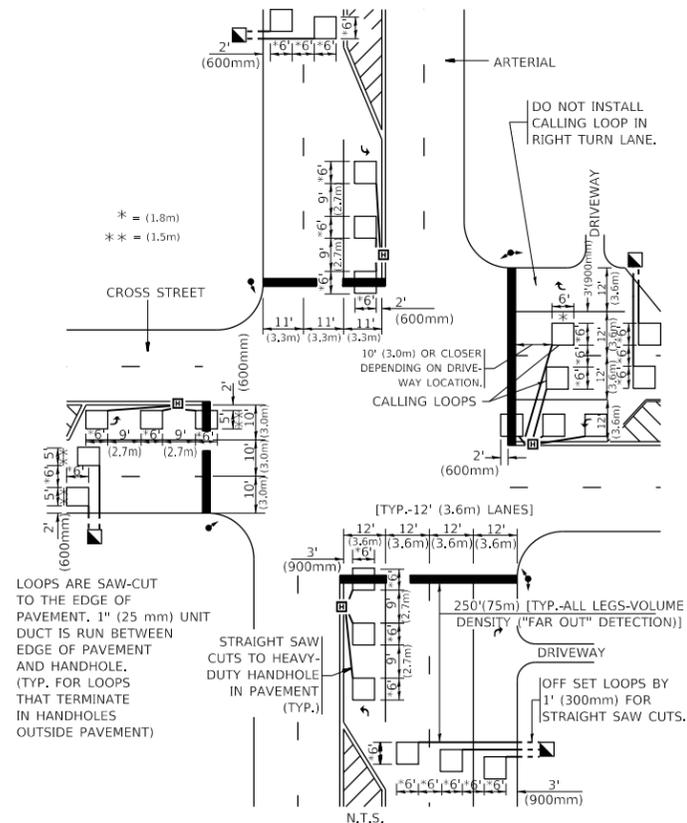
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

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



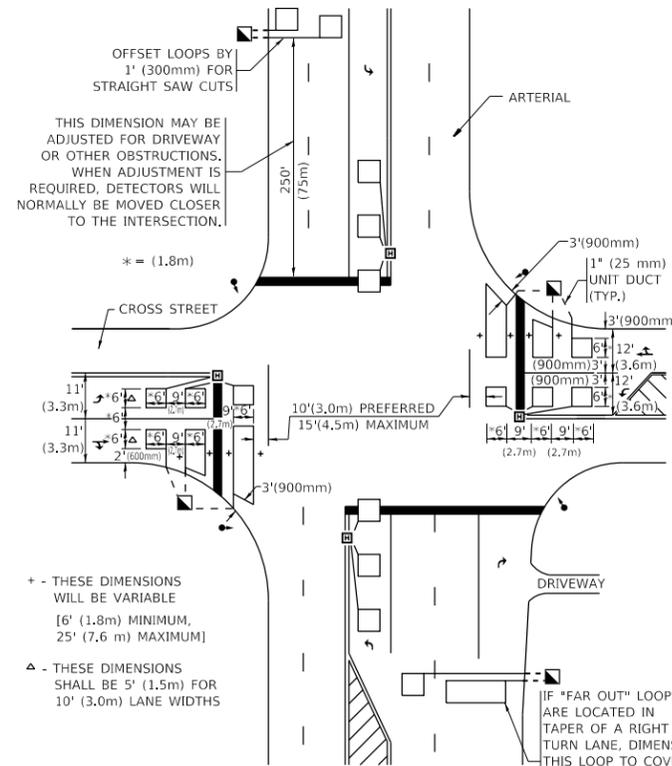
* = (1.8m)
 ** = (1.5m)

LOOPS ARE SAW-CUT TO THE EDGE OF PAVEMENT. 1" (25 mm) UNIT DUCT IS RUN BETWEEN EDGE OF PAVEMENT AND HANDHOLE. (TYP. FOR LOOPS THAT TERMINATE IN HANDHOLES OUTSIDE PAVEMENT)

STRAIGHT SAW CUTS TO HEAVY-DUTY HANDHOLE IN PAVEMENT (TYP.)

DETAIL 1
 N.T.S.

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



THIS DIMENSION MAY BE ADJUSTED FOR DRIVEWAY OR OTHER OBSTRUCTIONS. WHEN ADJUSTMENT IS REQUIRED, DETECTORS WILL NORMALLY BE MOVED CLOSER TO THE INTERSECTION.

* = (1.8m)

+ - THESE DIMENSIONS WILL BE VARIABLE [6' (1.8m) MINIMUM, 25' (7.6 m) MAXIMUM]

Δ - THESE DIMENSIONS SHALL BE 5' (1.5m) FOR 10' (3.0m) LANE WIDTHS

IF "FAR OUT" LOOPS ARE LOCATED IN TAPER OF A RIGHT TURN LANE, DIMENSION THIS LOOP TO COVER TAPER AREA. DO NOT COVER THE LEFT TURN LANE OR LEFT TURN LANE TAPER.

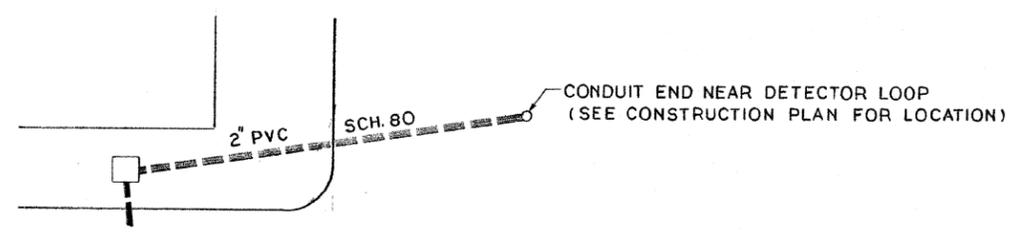
DETAIL 2
 N.T.S.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

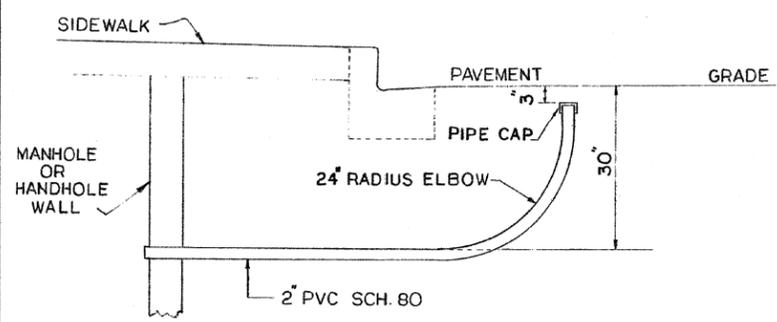
DISTRICT 1 - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING

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

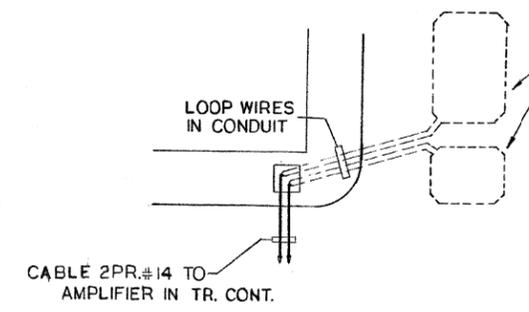
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-RS & SW	COOK	58	54
TS-07		CONTRACT NO. 62J50		
ILLINOIS		FED. AID PROJECT		



TYPICAL LAYOUT OF CONDUIT LEAD UP TO NEAR VEHICLE DETECTOR LOOPS



TYPICAL SECTION ALONG CONDUIT LEAD UP TO NEAR VEHICLE DETECTOR LOOPS



THE SIZE OF LOOP SHALL BE AS SHOWN ON THE PLANS AND THE NUMBER OF TURNS SHALL BE AS RECOMMENDED BY THE MANUFACTURER OF THE RELATED INDUCTION LOOP DETECTOR AMPLIFIER.

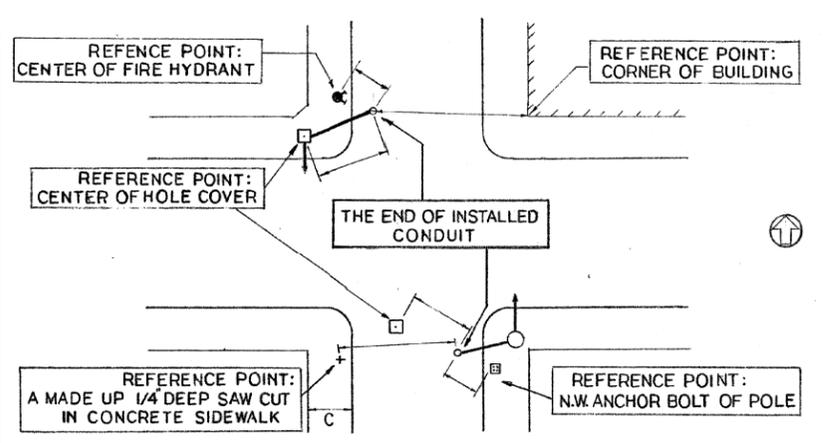
LOOP WIRE INSTALLATION NOTES

- THE SAW CUT (1/4" WIDE) SHALL BE CONTINUOUS FROM EDGE OF THE DETECTOR LOOP TO AND THROUGH ONE SIDE OF THE P.V.C. ELBOW.
- AFTER THE LOOP WIRE AND RETAINERS ARE INSTALLED THE SAW CUT THROUGH THE SIDE OF THE PIPE ELBOW BE PLUGGED WITH A Pliable PUTTY TO PREVENT THE ENTRANCE OF THE LIQUID EPOXY LOOP SEALER.
- THE LOOP WIRE TO BE SPLICED TO SHIELDED LEAD CABLE IN H.H. OR M.H. IN ACCORDANCE WITH PROCEDURE EXPLAINED IN SPECIAL PROVISION FOR DETECTOR LOOP'S CONSTRUCTION SPECIFICATIONS.

THE CONDUIT INSTALLATION NOTES

- INSTALL 2" PVC (SCH 80) CONDUIT 30" BELOW GRADE FROM MH/HH TO NEAR THE LOCATION OF END OF THE CONDUIT LEAD AS SHOWN ON PLAN.
- INSTALL (24" RADIUS) ELBOW AT END OF THE CONDUIT AS SHOWN, KEEP END OF THE ELBOW ABOUT 3" BELOW GRADE AND INSTALL PIPE CAP ON IT.
- FOREMAN TO TAKE EXACT MEASUREMENTS FROM CENTER OF THE PIPE CAP TO THREE REFERENCE POINTS (LIKE - CORNER OF BUILDING, CENTER OF FIRE HYDRANT, CENTER OF MANHOLE COVER ETC.) AS ILLUSTRATED BELOW OR CALL ENGINEER.

ILLUSTRATION OF TAKING MEASUREMENTS LOCATING THE CONDUIT END



THE END OF CONDUIT WILL BE 3" BELOW PAVEMENT SURFACE. THEREFORE TO ACCURATELY LOCATE THE HIDDEN END OF CONDUIT...

- PRIOR COVERING UP THE CAP OF CONDUIT END, SELECT THREE REFERENCE POINTS IN DIFFERENT DIRECTIONS AROUND THE CONDUIT END.
- MEASURE EXACT DISTANCES BETWEEN CENTER OF THE CONDUIT END AND THE REFERENCE POINTS.
- SUBMIT A SKETCH SHOWING THE MEASUREMENTS TO OFFICE FOR RECORD.

DATE		REVISION	
INSTALLATION OF 2" PVC CONDUIT UP TO THE VEHICLE DETECTOR LOOP			
CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING			
DRAFTSMAN: MOHAMMED AHMED	CHIEF DRAFTSMAN:	ENGINEER: MOHAMMED AHMED	DWG. NO.
SUPERVISING ENGINEER:			905
ENGINEER OF ELECTRICITY:			
S.U.P.T. OF CONSTRUCTION:			
DEPUTY COMMISSIONER:			
SIZE: 16" x 22"	SCALE: NONE	DATE: 2 29 96	

51002
CENTURY BLUEPRINT 1000H

MODEL: Default
FILE: \\nas01\pub\planroom\dat\illinois\pvc\WIDOT\Documents\DOT_Offices\Dir\ctc_1\Project\2019\19_CADD\Data\Design\DES\51002.dgn

USER NAME = khanms	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CDOT STANDARD FOR REFERENCE ONLY	
SCALE:	SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-R5&SW	COOK	58	55
CONTRACT NO. 62J50				
ILLINOIS FED. AID PROJECT				

ITEM 343, DETECTOR LOOP

1. **DESCRIPTION.** This work will consist of saw-cutting the pavement, furnishing and installing a detector loop in the sawcut, sealing the cut, and connecting the loop wire to the lead-in cable.
2. **MATERIAL.** The wire and sealer must meet the requirements of Article 1079.02 of the Standard Specifications for Type II Detectors.
3. **INSTALLATION.** The installation of the detector loop must meet the requirements of Article 886 of the Standard Specifications, except as otherwise noted herein. The pavement must be sawcut for a rectangular 6' by 6' loop or a 6' diameter loop, or as shown on the plans, or as directed by the Engineer. On a rectangular loop, diagonal cuts or drilled holes must be made at all corners to prevent sharp bends in the wire. The sawcut must be 1/4" wide and a minimum of 2" deep depending upon the roadway surface. The bottom of the cut must be smooth. The sawcut must be extended to meet the conduit for the lead-in cable as directed and as shown on Standard Drawing Number 905. The sawcut must be continuous from the edge of the loop to and through one side of the PVC elbow.

The detector loop must be installed in the sawed slot in accordance with the manufacturer's recommendation or as shown on the plans. The slot must be clean and dry. The number of wire turns for the loop must be 3, or as recommended by the manufacturer of the induction loop amplifier.

Retainers must be added to the sawed slot to prevent the loop wires from floating during the pouring of the loop sealant. These retainers can be made from 1" pieces of vinyl tubing bent in half to form the retainer.

The wire must extend into the 2" conduit to the nearest manhole/handhole where it will be spliced into the lead-in cable.

The only splicing method for this item will be with marine type heat shrinkable tubing. Four inches of the cable jacket must be removed and one inch of the cable insulation. The bare copper will be scraped. The cable will be inserted into two irradiated polyolefin heat shrinkable tubes. The conductors will then be connected by twisting together and soldering. Rosin core solder must be used for soldering the connectors. The tubes must completely cover the soldered connection and the insulation 1@ beyond all exposed copper wire on either end of the connection. The tubes should be shrunk one at a time over the soldered wires and insulation to form a watertight covering.

Before pouring the sealer, electronic instruments will be used to test the resistance, inductance, and Quality Factor of the loop and lead-in circuit. The resistance must be a minimum of 10 megohms above ground under any conditions of weather or moisture. The loop and lead-in circuit must have an inductance between 50 and 700 microhenries. The Quality Factor must be greater than 5. The amplifier manufacturer's recommendations, if different, must be met. The contractor must provide all necessary instruments and do all the testing in the presence of the Engineer.

The sealer must be applied according to the sealer manufacturer's recommendations.

4. **METHOD OF MEASUREMENT.** This work will be measured in lineal feet. The measurement will be taken along the sawed slot and the 2" conduit to the manhole where the splice was made. No vertical measurements will be made. The loop will be measured once regardless of the number of wire turns.
5. **BASIS OF PAYMENT.** This work will be paid for at the contract unit price per lineal foot for DETECTOR LOOP, which price will be payment in full for sawcutting, furnishing and installing loop wire, splicing, testing, and sealing the cable. Detector lead-in wire, and conduit will be paid for separately.

DRAWING
905

August 31, 2006

Item 343
Page 2

MODEL: Default
 FILE: \\nashville.pva.uplanet.com\data\links\gov\RWIDOT\Documents\DOT_Offices\District_1\Projects\10720919\CADD\data\Design\DESIGN.dgn

USER NAME = khanms	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CDOT STANDARD
FOR REFERENCE ONLY**

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-R5&SW	COOK	58	56
CONTRACT NO. 62J50				
ILLINOIS FED. AID PROJECT				

ITEM 346, ELECTRIC CABLE IN CONDUIT, #14, 2 CONDUCTOR, SHIELDED

1. **DESCRIPTION.** This work will consist of furnishing and installing a shielded lead-in cable for a traffic loop detector or for a pedestrian push button.
2. **MATERIAL.** The cable must be rated 600 Volts, 90° Centigrade wet and dry. The cable will have soft annealed tinned copper conductors with a PVC insulation and a PVC jacket overall with an appropriate shield. The cable will be equal to that manufactured by Belden, for instrumentation/ process control tray cable, Part No. 9343, or an approved equal.
3. **INSTALLATION.** The contractor will install the detector cable from the existing traffic controller to the manhole/ hand hole or as indicated on the contract plan drawing. The contractor must splice the cable to the detector loop cable in the manhole or handhole. The other end of the cable must be terminated at the controller. For pedestrian push buttons the cable will be installed from the traffic controller to the push button, without splices or terminations in between.
4. **MEASUREMENT.** The cable will be measured per lineal horizontal foot from the location of the controller to the handhole or manhole of the splice, or to the push button pole or post location, whichever applies. Additional footage may be added for slack. Five feet of slack will be allowed for each handhole and ten feet of slack will be allowed for each manhole the cable passes through. An additional ten feet may be added at the controller and at the pedestrian pole or post.
5. **BASIS OF PAYMENT.** This work will be paid for at the contract unit price per lineal foot for ELECTRIC CABLE IN CONDUIT, #14, 2C SHIELDED, which price will be payment in full for furnishing and installing the cable and performing all necessary connections to make the cable operational.

March 5, 2008

MODEL: Default
 FILE: \\nlsr01.pw.state.il.us\pww\dot\Documents\DOT_Offices\Director_1\Projects\120919\CaddData\Design\Drawings.dgn

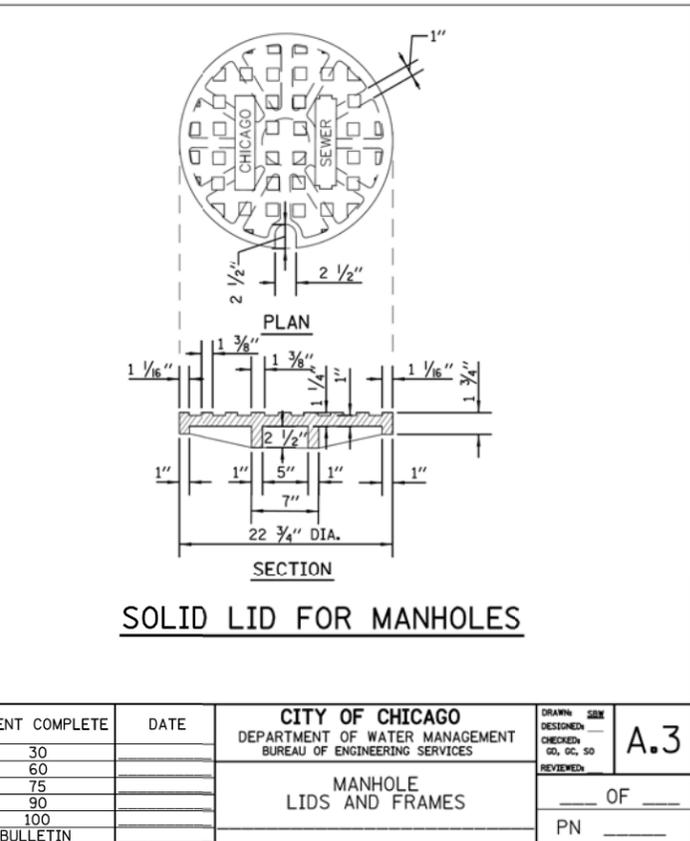
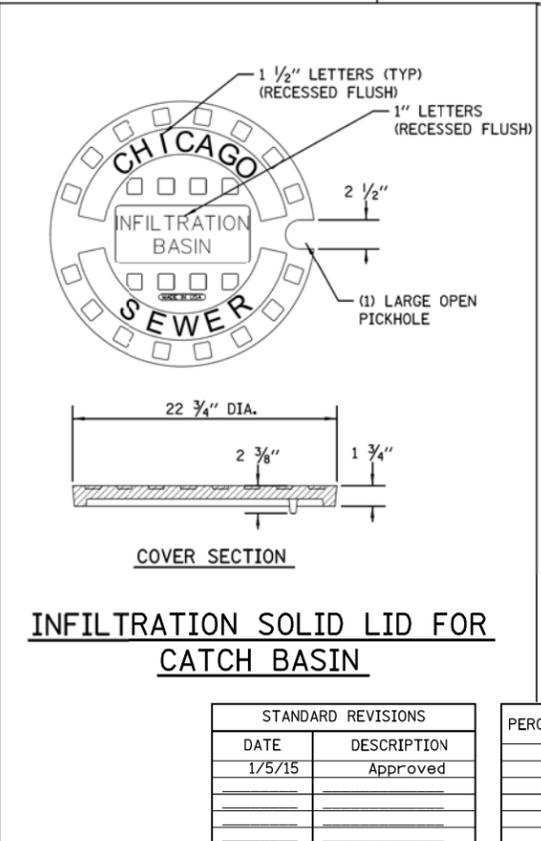
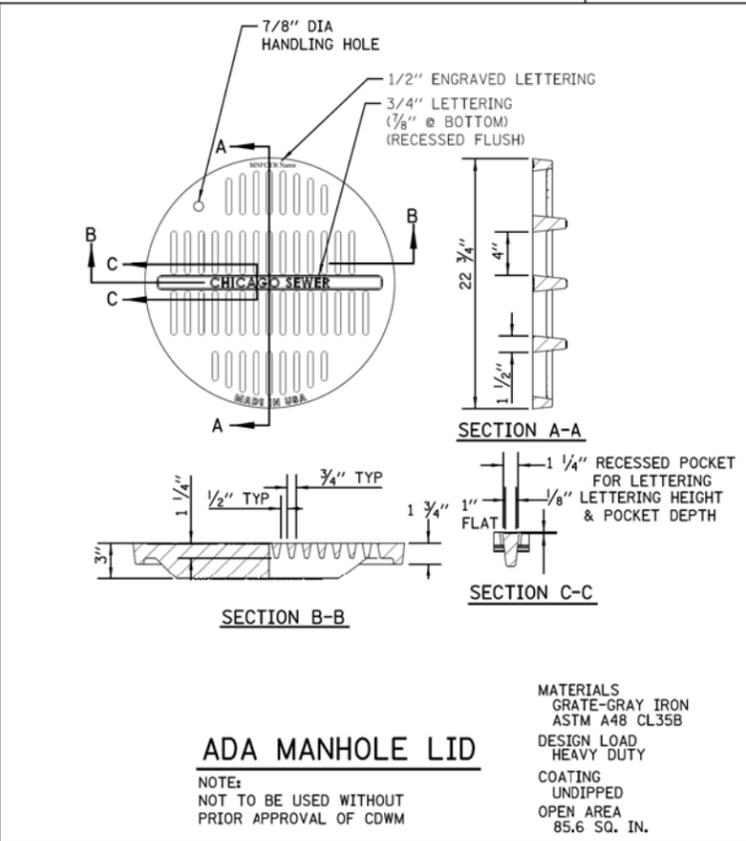
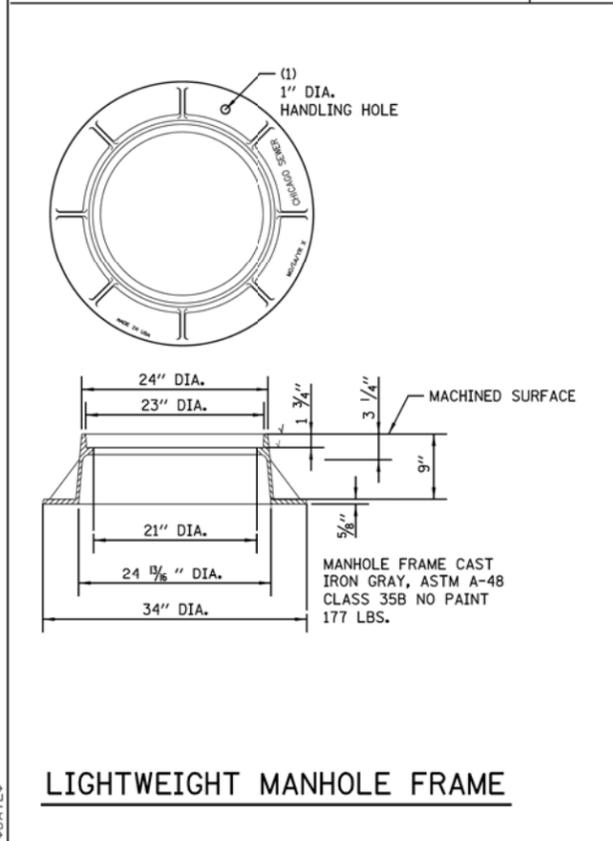
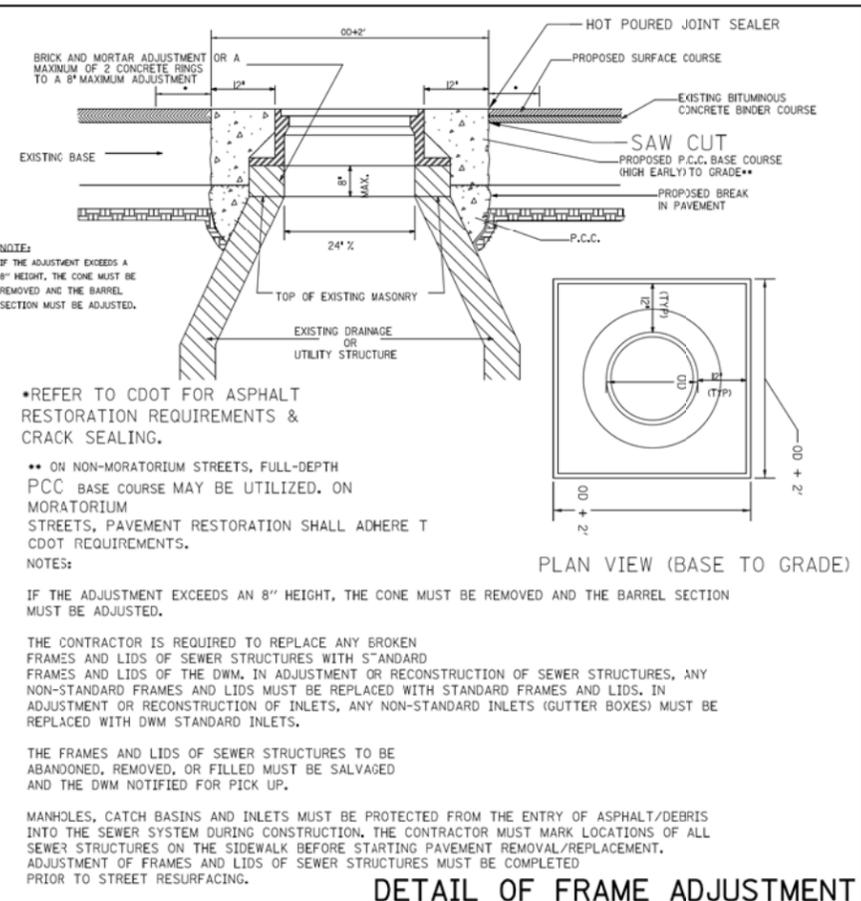
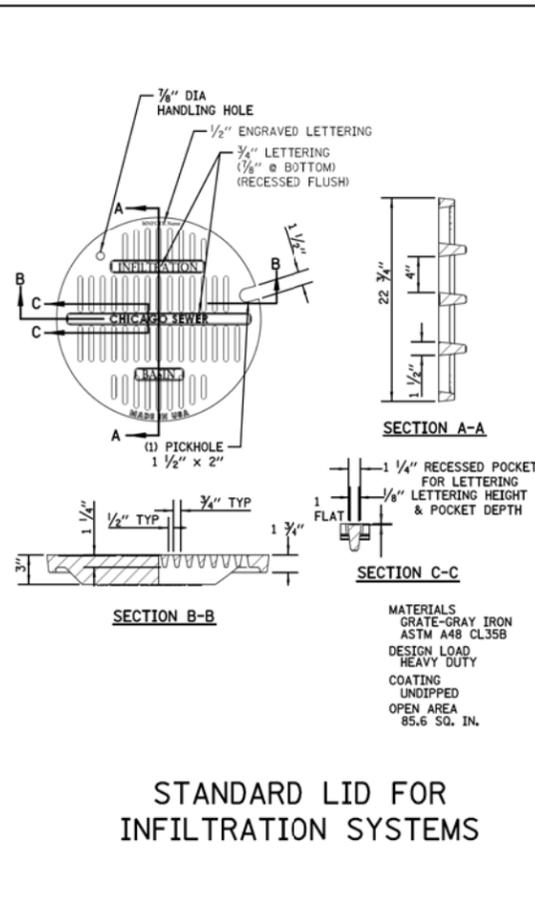
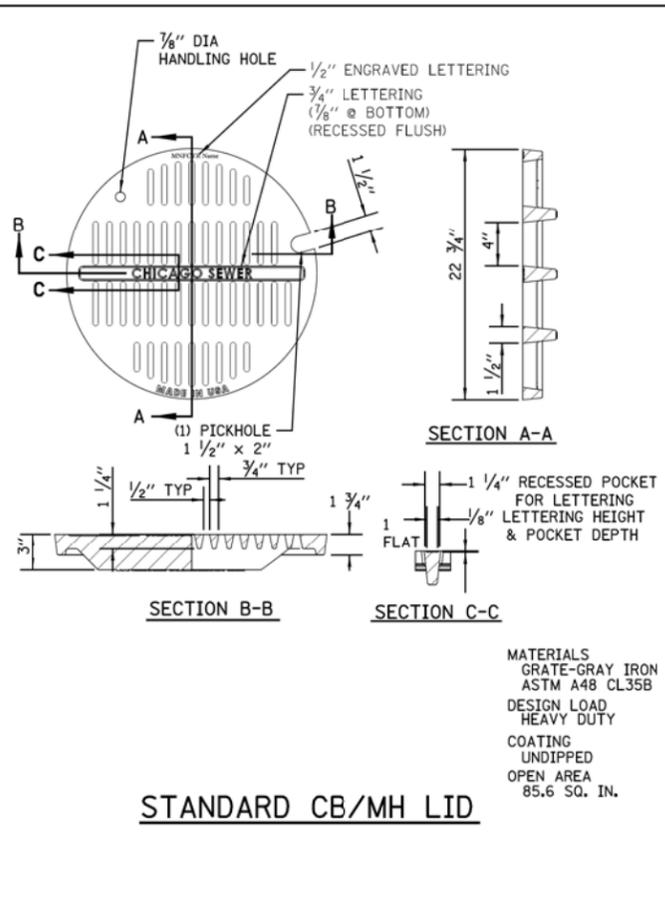
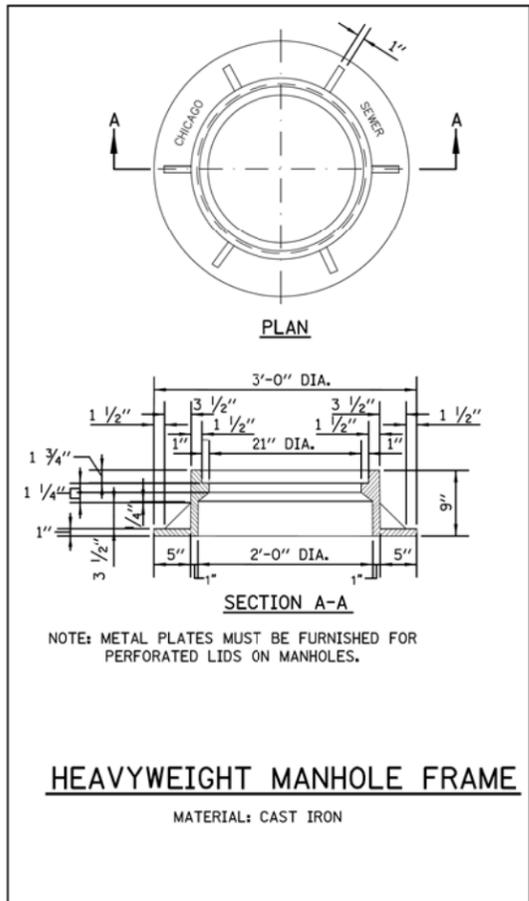
USER NAME = khanms	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CDOT STANDARD
FOR REFERENCE ONLY**

SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	2019-073-R5&SW	COOK	58	57
CONTRACT NO. 62J50				
ILLINOIS FED. AID PROJECT				



STANDARD REVISIONS	
DATE	DESCRIPTION
1/5/15	Approved

PERCENT COMPLETE	DATE
30	
60	
75	
90	
100	
BULLETIN	

CITY OF CHICAGO DEPARTMENT OF WATER MANAGEMENT BUREAU OF ENGINEERING SERVICES		DRAWN: DESIGNED: CHECKED: REVIEWED: A.3
MANHOLE LIDS AND FRAMES		OF PN