01-17-2025 LETTING ITEM 055

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	1
	ILLINOIS	CONTRACT NO.62V90		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

D-91-068-24

LOCATION OF SECTION INDICATED THUS: -

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENTS ARE LOCATED IN
VILLAGE OF BROADVIEW
VILLAGE OF NORTH RIVERSIDE
VILLAGE OF MAYWOOD

PROPOSED
HIGHWAY PLANS

FAU ROUTE 2722: 17th AVENUE
23RD ST TO MADISON ST
SECTION: FAU 2722 23 SMART
PROJECT: STP-8AWS(744)
STANDARD OVERLAY, DRAINAGE & ADA IMPROVEMENTS
COOK COUNTY

C-91-076-24

DESIGN DESIGNATION
17TH AVE : MAJOR COLLECTOR

TRAFFIC DATA (17TH AVE)
ADT = 8,550 VPD (2023) NORTH OF ROOSEVELT ROAD
ADT = 10,500 VPD (2023) SOUTH OF ROOSEVELT ROAD

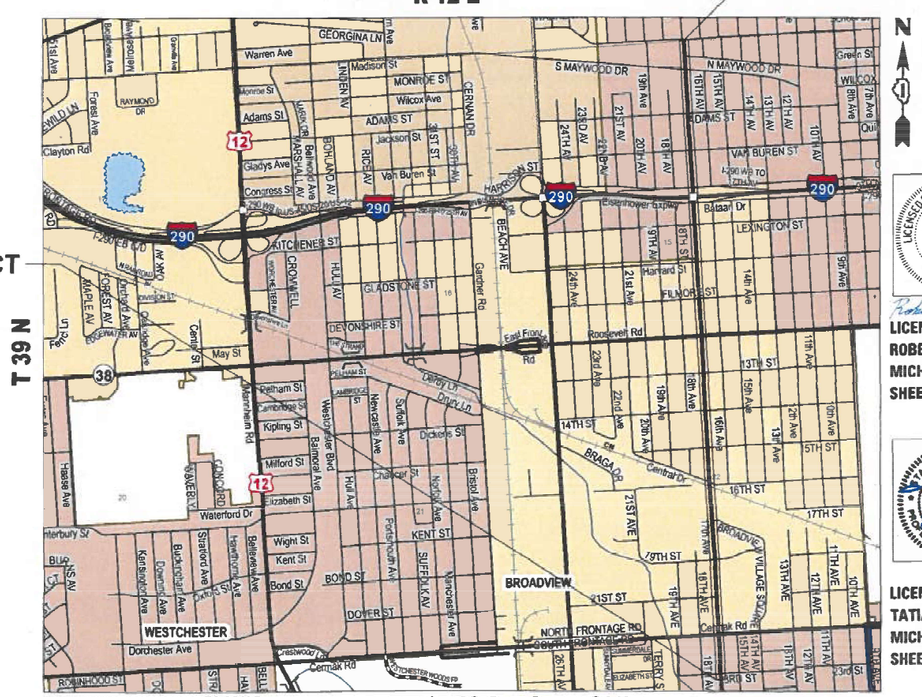
POSTED SPEED
30 MPH NORTH OF 16TH STREET/CENTRAL DRIVE
35 MPH SOUTH OF 16TH STREET/CENTRAL DRIVE

END PROJECT
(17TH AVE)
STA 118+73.05

R 12 E

BEGIN PROJECT
(17TH AVE)
STA 6+15.20

T 39 N



LOCATION MAP NOT TO SCALE

PROVISO TOWNSHIP

GROSS LENGTH = 11,276 FT. = 2.135 MILE
NET LENGTH = 9,932 FT. = 1.881 MILE

100' 200' 300' — 1"= 100'
10' 20' 30' — 1"= 10'
50' 100' — 1"= 50'
50' 100' — 1"= 40'
50' 100' — 1"= 30'
50' 100' — 1"= 20'

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

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

PROJECT ENGINEER: VESELIN VELICHKOV (847) 705-4432
PROJECT MANAGER: FAWAD AQUEEL

CONTRACT NO. 62V90

LICENSED PROFESSIONAL ENGINEER ROBERT BRZEZON 062-066618 OF ILLINOIS

DATE: 10-10-2024
LICENSE EXPIRES 11-30-2025
ROBERT BRZEZON
MICHAEL BAKER INTERNATIONAL
SHEETS 1 TO 25, 39 TO 97

STATE OF ILLINOIS PROFESSIONAL ENGINEER

DATE: 10-10-2024
LICENSE EXPIRES 11-30-2025
TATIANA PAPAKOS
MICHAEL BAKER INTERNATIONAL
SHEETS 26 TO 38

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Oct 15 2024
IR
REGIONAL ENGINEER

December 6, 2024
ENGINEER OF DESIGN AND ENVIRONMENT

December 6, 2024
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

Michael Baker
INTERNATIONAL
200 W Adams Street, Suite 1800, Chicago, IL 60606
Phone: (312) 707-8770 · MBAKERINTL.COM

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REV-SEP

INDEX OF SHEETS

HIGHWAY STANDARDS

STD. NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-06	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-05	CORNER PARALLEL CURB RAMPS FOR SIDEWALK
424021-07	DEPRESSED CORNER FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
602016-02	CATCH BASIN TYPE D
602401-07	PRECAST MANHOLE TYPE A 4' (1.22 m) DIAMETER
604001-05	FRAME AND LIDS TYPE 1
604051-04	FRAME AND LIDS TYPE 11
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-ROAD OPERATIONS, 2L, 15' TO 24" FROM EDGE OF PAVEMENT
701311-03	LANE CLOSURES 2L, 2W MOVING OPERATIONS-DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-10	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
814001-03	HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
876001-04	PEDESTRIAN PUSH BUTTON POST
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

GENERAL NOTES

1. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON THE STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
2. IT SHALL BE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
3. 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.
4. THE CONTRACTOR SHALL CONTACT EMAD ALHUSSEINI, AREA TRAFFIC FIELD ENGINEER, AT EMAD.ALHUSSEINI@ILLINOIS.GOV AT LEAST (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
5. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED. ANY DAMAGE DONE TO THE EXISTING ITEMS BY THE CONTRACTOR SHALL REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE DEPARTMENT.
6. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE THROUGHOUT THE DURATION OF THE CONTRACT AND MAINTAIN ALL PUBLIC AND PRIVATE DRAINS.
7. WHEN WORKING ADJACENT TO THE ROAD AND UTILIZING DAILY LANE CLOSURES, DROP-OFFS ADJACENT TO THE TRAVEL LANES SHALL BE KEPT TO A MINIMUM. DROP-OFFS GREATER THAN OR EQUAL TO 24" WILL NOT BE ALLOWED AT LOCATIONS WHERE THE DROP-OFF IS LOCATED WITHIN 8 FT OF THE EDGE OF THE TRAVEL LANE. THE CONTRACTOR WILL BE REQUIRED TO PERFORM THE EXCAVATION REQUIRED FOR THE CONSTRUCTION DURING THE TIME THAT THE ADJACENT LANE IS CLOSED. AS NOTED ABOVE, PRIOR TO REOPENING THE LANE TO TRAFFIC THE CONTRACTOR SHALL PLACE STEEL PLATE(S) OVER THE EXCAVATION TO REDUCE THE DROP-OFF TO LESS THAN 12" AND REOPEN THE LANES TO TRAFFIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE AMOUNT OF WORK THAT CAN BE COMPLETED WITHIN THE TIME OF THE DAILY LANE CLOSURE. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED TO COMPLY WITH THIS REQUIREMENT.
8. THE "ROAD CONSTRUCTION AHEAD" SIGNS SHALL REMAIN INSTALLED UNTIL THE COMPLETION OF THE PROJECT OR WHEN NO ROADWAY HAZARDS REMAIN WITHIN THE WORK ZONE.
9. OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.
10. WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC.
11. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, AS REQUIRED, PRIOR TO COMMENCING WITH CONSTRUCTION.
12. 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 MARKINGS SHALL BE AS DIRECTED BY THE ENGINEERS.
13. BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b, c) OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION WILL NOT BE ALLOWED.

COMMITMENTS

NONE.

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED 20% STATE ROADWAY 0005 URBAN	TRAFFIC SIGNALS 80% FED/20% STATE SAFETY 0021 URBAN	100% STATE ROADWAY 0005 URBAN			
20101100	TREE TRUNK PROTECTION	EACH	16	16					
20200100	EARTH EXCAVATION	CU YD	440	440					
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	50	50					
20800150	TRENCH BACKFILL	CU YD	36	36					
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	740	740					
25200110	SODDING, SALT TOLERANT	SQ YD	740	740					
25200200	SUPPLEMENTAL WATERING	UNIT	8	8					
28000510	INLET FILTERS	EACH	15	15					
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	1,635	1,635					
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	177	177					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	36,902	36,902					
40600370	LONGITUDINAL JOINT SEALANT	FOOT	32,113	32,113					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	80	80					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	747	747					
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	8	8					
40602985	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	TON	4,313	4,313					

* SPECIALTY ITEM

MODEL: Summary of Quantities [Sheet]
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-sht-SOQ01.dgn

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USER NAME = Jaime.Rivera	DESIGNED - ZJT	REVISED -	
	DRAWN - CEL	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - WJT	REVISED -	
PLOT DATE = 10/16/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
17TH AVE (23RD ST TO MADISON ST)

SCALE: NONE | SHEET 1 OF 7 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	3
		CONTRACT NO. 62V90		
	ILLINOIS	FED. AID PROJECT		

REV-SEP

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED 20% STATE ROADWAY 0005 URBAN	TRAFFIC SIGNALS 80% FED/20% STATE SAFETY 0021 URBAN	100% STATE ROADWAY 0005 URBAN			
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	20	20					
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	4,849	4,849					
42001300	PROTECTIVE COAT	SQ YD	1,432	1,432					
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	263	263					
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	13	13					
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	7,576	7,576					
42400800	DETECTABLE WARNINGS	SQ FT	747	747					
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	53,914	53,914					
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	453	453					
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	4,767	4,767					
44000600	SIDEWALK REMOVAL	SQ FT	5,823	5,823					
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	142	142					
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	121	121					
44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	327	327					
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	52	52					
56109210	WATER VALVES TO BE ADJUSTED	EACH	10	10					

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
17TH AVE (23RD ST TO MADISON ST)

SCALE: NONE | SHEET 2 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	4
		CONTRACT NO. 62V90		
	ILLINOIS	FED. AID PROJECT		

REV-SEP

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: 80% FED 20% STATE ROADWAY 0005 URBAN	TRAFFIC SIGNALS 80% FED/20% STATE SAFETY 0021 URBAN	100% STATE ROADWAY 0005 URBAN			
60211400	CATCH BASINS, TYPE D, 3'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	3	3					
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1					
60251500	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	EACH	19	19					
60255500	MANHOLES TO BE ADJUSTED	EACH	1	1					
60255700	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1	1					
60256700	MANHOLES TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	EACH	7	7					
60261300	INLETS TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	EACH	53	53					
60300105	FRAMESAND GRATES TO BE ADJUSTED	EACH	1	1					
60608562	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12	FOOT	4,766.5	4,766.5					
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	240	240					
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	5	5					
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1					
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1					
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	15	15					
67100100	MOBILIZATION	L SUM	1	1					

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
17TH AVE (23RD ST TO MADISON ST)

SCALE: NONE | SHEET 3 OF 7 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	5
		CONTRACT NO. 62V90		
	ILLINOIS	FED. AID PROJECT		

REV-SEP

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED 20% STATE ROADWAY 0005 URBAN	TRAFFIC SIGNALS 80% FED/20% STATE SAFETY 0021 URBAN	100% STATE ROADWAY 0005 URBAN			
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1					
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1					
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1					
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1					
70102634	TRAFFIC CONTROL AND PROTECTION, STANDARD 701611	L SUM	1	1					
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1					
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1					
70300100	SHORT TERM PAVEMENT MARKING	FOOT	6,900	6,900					
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2,305	2,305					
* 72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	25	25					
70300211	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS - PAINT	SQ FT	822	822					
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	822	822					
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	20,303	20,303					
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	20,303	20,303					
70300241	TEMPORARY PAVEMENT MARKING - LINE 6" - PAINT	FOOT	3,612	3,612					
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	3,612	3,612					
70300261	TEMPORARY PAVEMENT MARKING - LINE 12" - PAINT	FOOT	1,810	1,810					
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,810	1,810					
70300281	TEMPORARY PAVEMENT MARKING - LINE 24" - PAINT	FOOT	581	581					
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	581	581					
78300202	PAVEMENT MARKING REMOVAL - WATER BLA STING	SQ FT	12,368	12,368					

* SPECIALTY ITEM

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED 20% STATE ROADWAY 0005 URBAN	TRAFFIC SIGNALS 80% FED/20% STATE SAFETY 0021 URBAN	100% STATE ROADWAY 0005 URBAN			
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	464	464					
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	464	464					
*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	70		70				
*	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	184		184				
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	6		6				
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,975		1,975				
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	856		856				
*	87900200	DRILL EXISTING HANDHOLE	EACH	14		14				
*	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2		2				
*	88600100	DETECTOR LOOP, TYPE I	FOOT	1,136		1,136				
*	89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	5		5				
*	89502200	MODIFY EXISTING CONTROLLER	EACH	1		1				
*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	6		6				
*	89502376	REBUILD EXISTING HANDHOLE	EACH	8		8				
	Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	31			31			

* SPECIALTY ITEM

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED 20% STATE ROADWAY 0005 URBAN	TRAFFIC SIGNALS 80% FED/20% STATE SAFETY 0021 URBAN	100% STATE ROADWAY 0005 URBAN			
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	50	50					
*	Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	6		6				
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1					
	X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1					
	X0326801	COMBINED SEWERS TO BE CLEANED	FOOT	7,019			7,019			
*	X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	4		4				
*	X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	4		4				
	X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	8,376	8,376					
	X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	50	50					
	X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	318	318					
	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	864	864					
	X4406824	PORTLAND CEMENT CONCRETE SURFACE REMOVAL 3"	SQ YD	55	55					
	X5537700	STORM SEWERS TO BE CLEANED 10"	FOOT	1,152			1,152			
	X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	903			903			
	X5538000	STORM SEWERS TO BE CLEANED 18"	FOOT	1,191			1,191			

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
17TH AVE (23RD ST TO MADISON ST)

SCALE: NONE | SHEET 6 OF 7 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	8
		CONTRACT NO. 62V90		
	ILLINOIS	FED. AID PROJECT		

REV-SEP

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED 20% STATE ROADWAY 0005 URBAN	TRAFFIC SIGNALS 80% FED/20% STATE SAFETY 0021 URBAN	100% STATE ROADWAY 0005 URBAN			
	X5538200	STORM SEWERS TO BE CLEANED 24"	FOOT	1,527			1,527			
	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	122	122					
	X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12					
*	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	44		44				
*	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	32		32				
*	X8860105	DETECTOR LOOP REPLACEMENT	FOOT	197		197				
*	X8891009	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	1		1				
Ø	Z0076600	TRAINEES	HOUR	500	500					
Ø	Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	500	500					

* SPECIALTY ITEM

Ø 0042

MODEL: Summary of Quantities [Sheet]
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-sht-SOQ07.dgn

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USER NAME = Jaime.Rivera	DESIGNED - ZJT	REVISED -	
	DRAWN - CEL	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - WJT	REVISED -	
PLOT DATE = 10/16/2024	DATE - 06/15/2024	REVISED -	

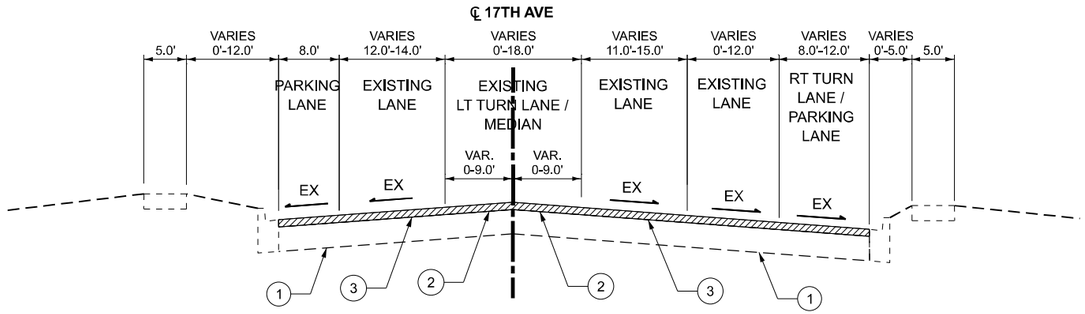
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
17TH AVE (23RD ST TO MADISON ST)

SCALE: NONE | SHEET 7 OF 7 SHEETS | STA. | TO STA.

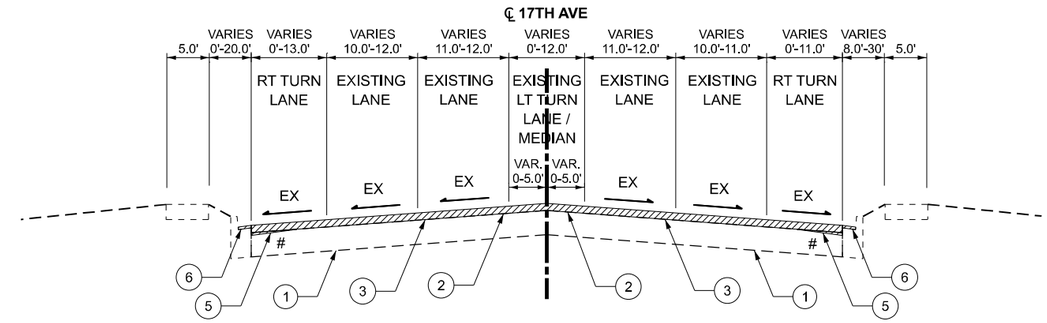
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	9
		CONTRACT NO. 62V90		
	ILLINOIS	FED. AID PROJECT		

REV-SEP



EXISTING TYPICAL SECTION

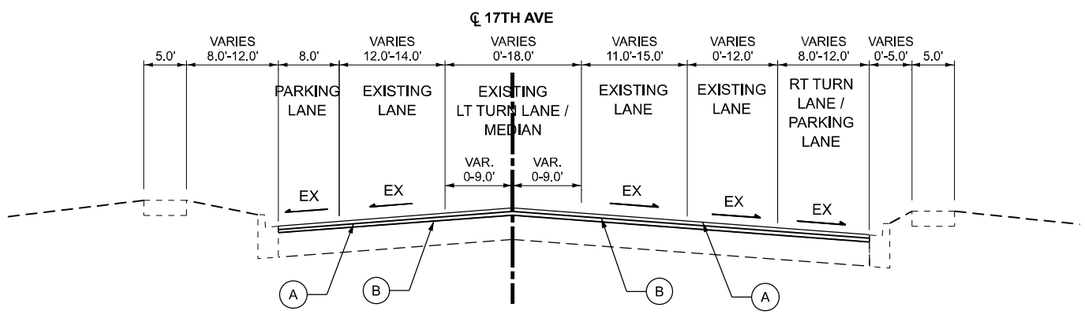
STA 6+15.20 TO STA 11+64.21
OMISSION AT CERMAK RD: STA 11+64.21 TO STA 13+84.34



EXISTING TYPICAL SECTION

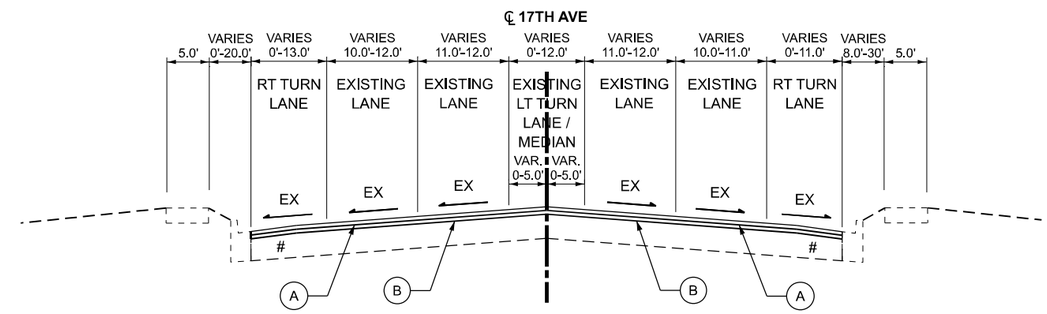
STA 13+84.34 TO STA 38+88.63
RAILROAD OMISSION: STA 38+88.63 TO STA 39+46.75

SEE "DETAIL A" ON TYPICAL SECTIONS SHEET 3 OF 3



PROPOSED TYPICAL SECTION

STA 6+15.20 TO STA 11+64.21
OMISSION AT CERMAK RD: STA 11+64.21 TO STA 13+84.34



PROPOSED TYPICAL SECTION

STA 13+84.34 TO STA 38+88.63
RAILROAD OMISSION: STA 38+88.63 TO STA 39+46.75

SEE "DETAIL A" ON TYPICAL SECTIONS SHEET 3 OF 3

EXISTING LEGEND

1. EXIST. PORTLAND CEMENT CONCRETE PAVEMENT, 9"
2. EXIST. HOT-MIX ASPHALT PAVEMENT, 3"
3. HOT-MIX ASPHALT SURFACE REMOVAL, 3"
4. COMBINATION CURB AND GUTTER REMOVAL
5. PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VAR. DEPTH)
6. HOT-MIX ASPHALT SURFACE REMOVAL, VAR. DEPTH

REMOVAL

PROPOSED LEGEND

- A HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
- B HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 1 1/2"
- C COMBINATION CONCRETE CURB AND GUTTER TYPE M-4.12
- D SUBBASE GRANULAR MATERIAL, TYPE B 4"
- E SODDING, SALT TOLERANT
- F TOPSOIL FURNISH AND PLACE 4"

NOTES:

1. THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.
2. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE HMA BINDER COURSE, IL-9.5, N70.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"	4% @ 70 GYR.	QCP
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 1 1/2"	4% @ 70 GYR.	QCP
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19.0)	4% @ 70 GYR.	QC/QA
DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"	4% @ 50 GYR.	QC/QA
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19mm), 6" (P.E)	4% @ 50 GYR.	QC/QA
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP)		

NOTES FOR HMA MIXTURE REQUIREMENTS

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
2. THE AC TYPE FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22", UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

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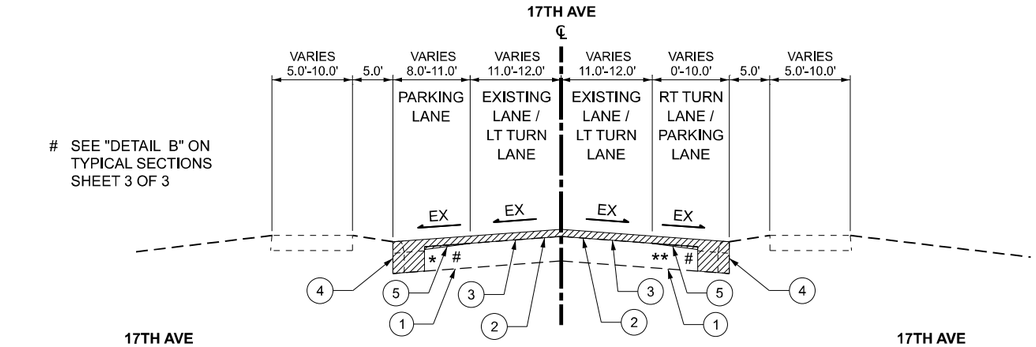
USER NAME =	DESIGNED - ZJT	REVISED -	
	DRAWN - MFK	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - WJT	REVISED -	
PLOT DATE = 11/26/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
17TH AVE (23RD ST TO MADISON ST)

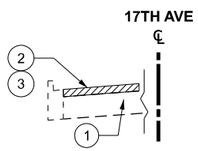
SCALE: NONE | SHEET 1 OF 3 SHEETS | STA. 0+00.00 TO STA. 0+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	10
		CONTRACT NO. 62V90		
		ILLINOIS FED. AID PROJECT		

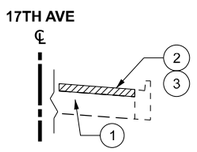


EXISTING TYPICAL SECTION

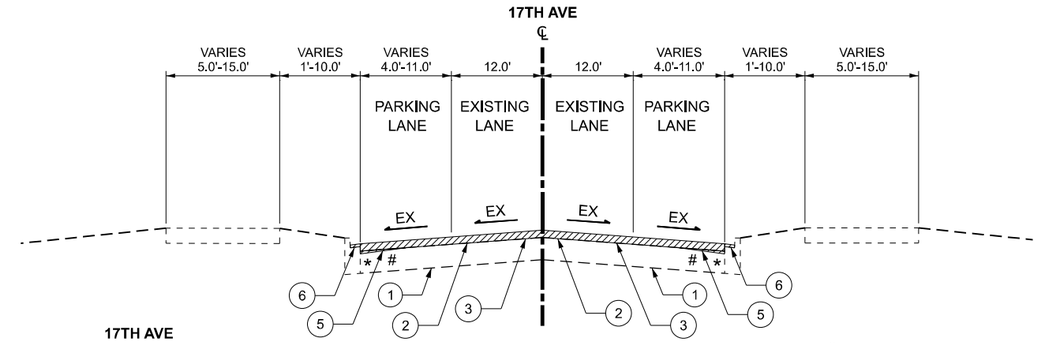
STA 39+46.75 TO STA 72+61.79
OMISSION AT ROOSEVELT RD: STA 65+45.00 TO STA 66+39.78
SOUTHBOUND OMISSION: STA 68+17.34 LT TO STA 72+61.79 LT



* STA 62+71.54 LT TO STA 65+45.00 LT
STA 66+39.78 LT TO STA 68+17.34 LT



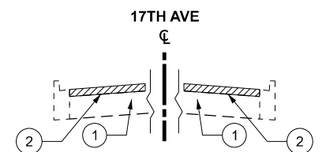
** STA 62+97.48 RT TO STA 65+45.00 RT
STA 66+39.78 RT TO STA 72+61.79 RT



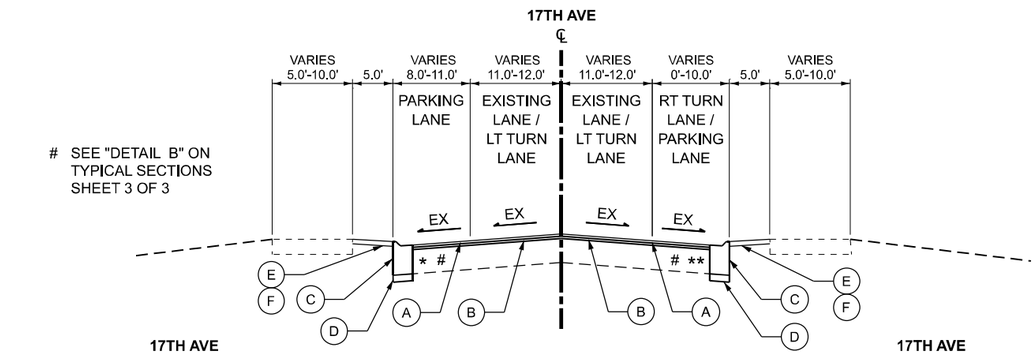
EXISTING TYPICAL SECTION

STA 72+61.79 TO STA 89+83.57
BRIDGE OMISSION: STA 89+83.57 TO STA 92+39.23

SEE "DETAIL A" ON TYPICAL SECTIONS SHEET 3 OF 3

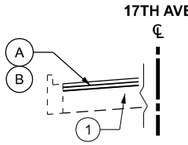


* STA 87+41.00
TO STA 89+83.57

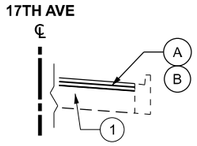


PROPOSED TYPICAL SECTION

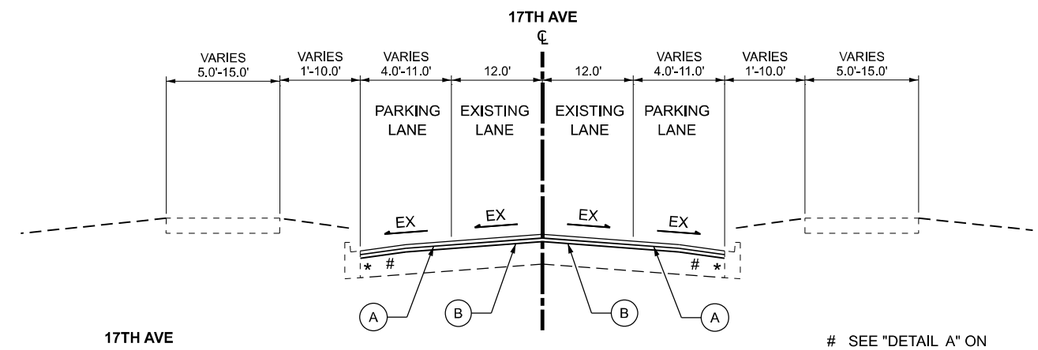
STA 39+46.75 TO STA 72+61.79
OMISSION AT ROOSEVELT RD: STA 65+45.00 TO STA 66+39.78
SOUTHBOUND OMISSION: STA 68+17.34 LT TO STA 72+61.79 LT



* STA 62+71.54 LT TO STA 65+45.00 LT
STA 66+39.78 LT TO STA 68+17.34 LT



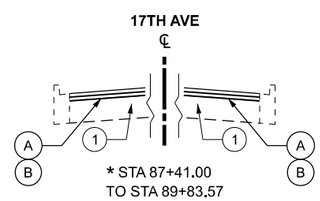
** STA 62+97.48 RT TO STA 65+45.00 RT
STA 66+39.78 RT TO STA 72+61.79 RT



PROPOSED TYPICAL SECTION

STA 72+61.79 TO STA 89+83.57
BRIDGE OMISSION: STA 89+83.57 TO STA 92+39.23

SEE "DETAIL A" ON TYPICAL SECTIONS SHEET 3 OF 3



* STA 87+41.00
TO STA 89+83.57

EXISTING LEGEND

1. EXIST. PORTLAND CEMENT CONCRETE PAVEMENT, 9"
2. EXIST. HOT-MIX ASPHALT PAVEMENT, 3"
3. HOT-MIX ASPHALT SURFACE REMOVAL, 3"
4. COMBINATION CURB AND GUTTER REMOVAL
5. PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VAR. DEPTH)
6. HOT-MIX ASPHALT SURFACE REMOVAL, VAR. DEPTH

REMOVAL

PROPOSED LEGEND

- A HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
- B HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 1 1/2"
- C COMBINATION CONCRETE CURB AND GUTTER TYPE M-4.12
- D SUBBASE GRANULAR MATERIAL, TYPE B 4"
- E SODDING, SALT TOLERANT
- F TOPSOIL FURNISH AND PLACE 4"

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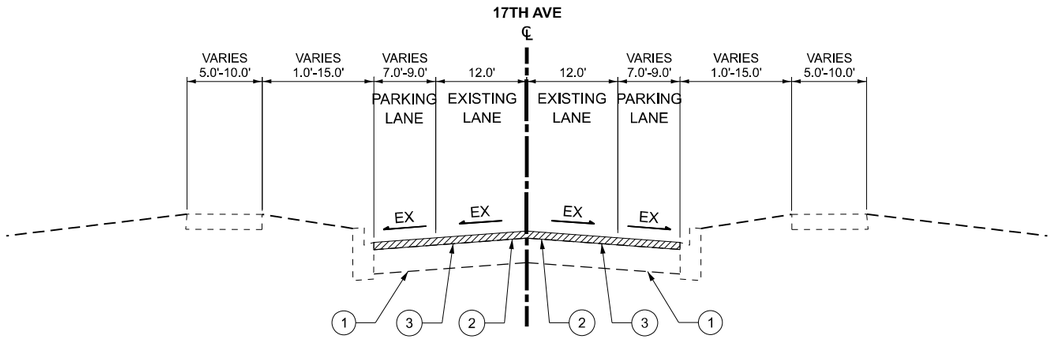
USER NAME =	DESIGNED - ZJT	REVISED -	
	DRAWN - MFK	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - WJT	REVISED -	
PLOT DATE = 11/26/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
17TH AVE (23RD ST TO MADISON ST)

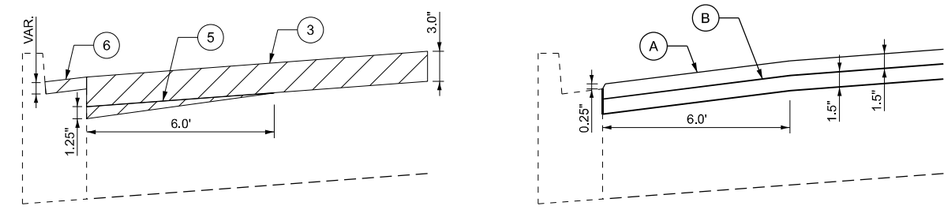
SCALE: NONE | SHEET 2 OF 3 SHEETS | STA. 0+00.00 TO STA. 0+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	11
		CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	



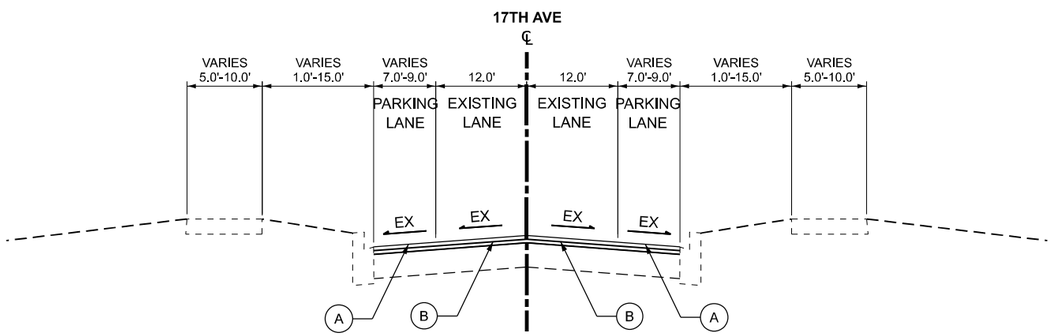
EXISTING TYPICAL SECTION

STA. 92+39.23 TO STA. 118+73.05



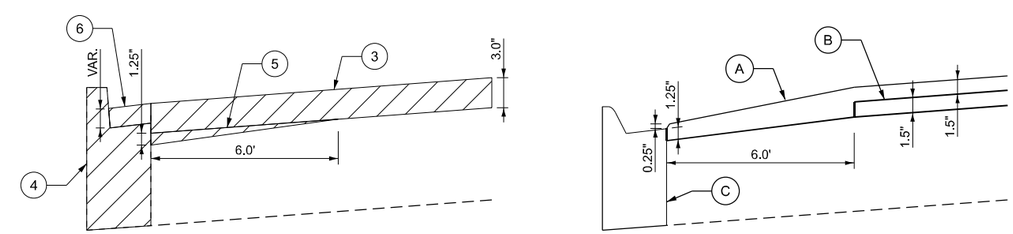
DETAIL A: HMA OVERLAY AT VARIABLE DEPTH PCC SURFACE REMOVAL

STA 13+84.34 TO 38+88.63, STA 72+61.79 TO 87+41.00,
AND AS DIRECTED BY THE ENGINEER
(N.T.S.)



PROPOSED TYPICAL SECTION

STA. 92+39.23 TO STA. 118+73.05



DETAIL B: HMA TAPER AT EDGE OF PCC PAVEMENT WITH PROPOSED CURB AND GUTTER TYPE M-4.12

STA 40+09.43 RT TO STA 64+03.05 RT
STA 40+31.85 LT TO STA 64+11.82 LT
(N.T.S.)

EXISTING LEGEND

1. EXIST. PORTLAND CEMENT CONCRETE PAVEMENT, 9"
2. EXIST. HOT-MIX ASPHALT PAVEMENT, 3"
3. HOT-MIX ASPHALT SURFACE REMOVAL, 3"
4. COMBINATION CURB AND GUTTER REMOVAL
5. PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VAR. DEPTH)
6. HOT-MIX ASPHALT SURFACE REMOVAL, VAR. DEPTH

REMOVAL

PROPOSED LEGEND

- A HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
- B HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 1 1/2"
- C COMBINATION CONCRETE CURB AND GUTTER TYPE M-4.12
- D SUBBASE GRANULAR MATERIAL, TYPE B 4"
- E SODDING, SALT TOLERANT
- F TOPSOIL FURNISH AND PLACE 4"

MODEL: Typical Sections - Typical
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 199078\3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-sht-typicals-3.dgn

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USER NAME =	DESIGNED - ZJT	REVISED -	
	DRAWN - MFK	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - WJT	REVISED -	
PLOT DATE = 11/26/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

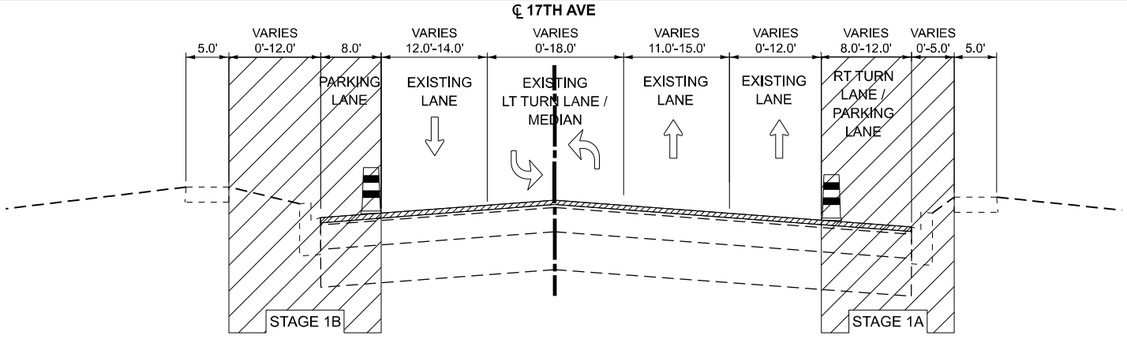
TYPICAL SECTIONS
17TH AVE (23RD ST TO MADISON ST)

SCALE: NONE | SHEET 3 OF 3 SHEETS | STA. 0+00.00 TO STA. 0+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	12

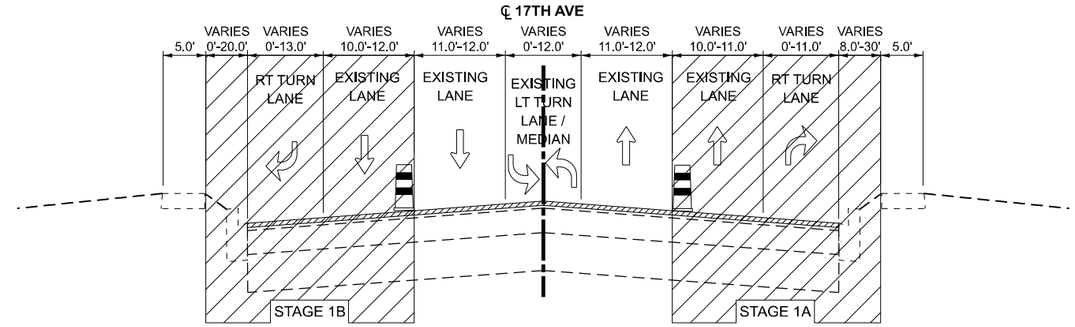
CONTRACT NO. 62V90

ILLINOIS | FED. AID PROJECT



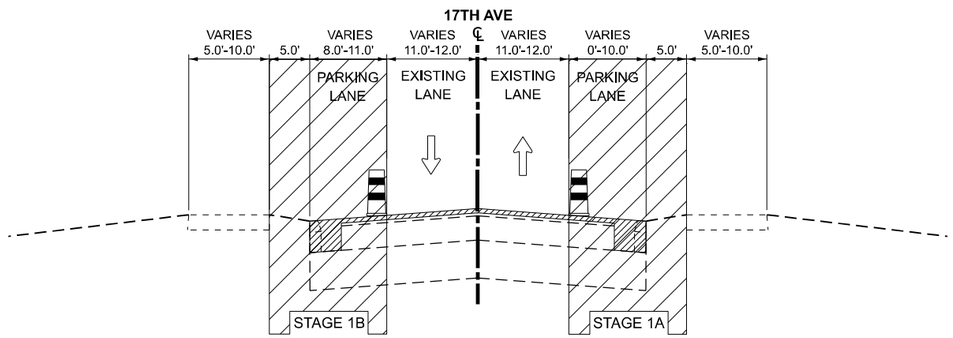
MAINTENANCE OF TRAFFIC TYPICAL SECTION

STA. 6+15.20 TO STA. 11+64.21



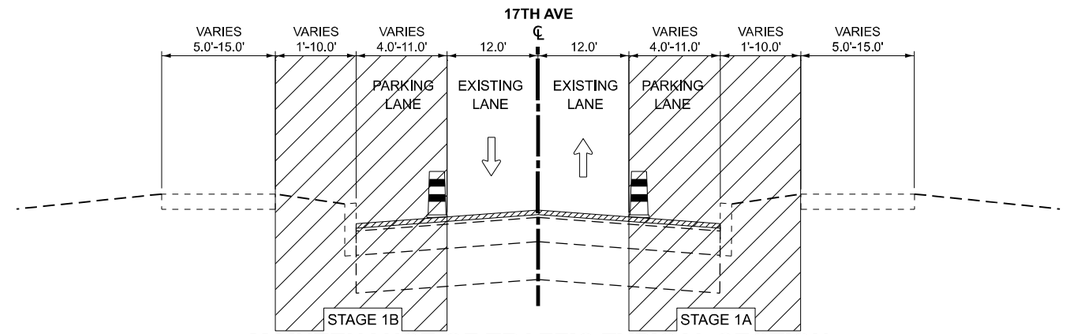
MAINTENANCE OF TRAFFIC TYPICAL SECTION

STA. 13+84.34 TO STA. 38+88.63



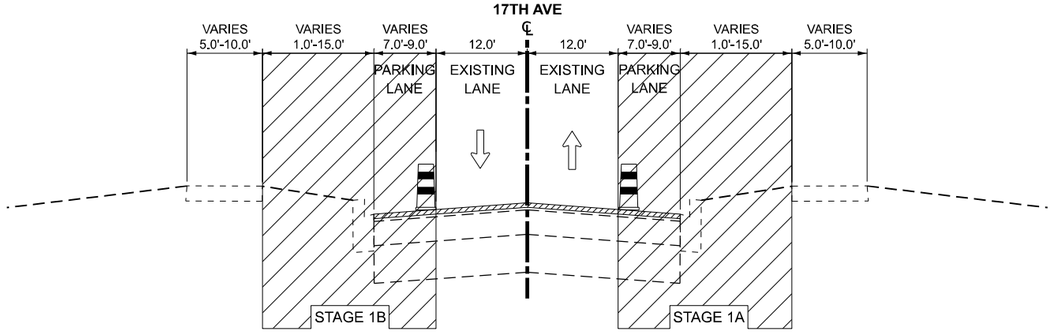
MAINTENANCE OF TRAFFIC TYPICAL SECTION

STA. 39+46.75 TO STA. 72+61.79



MAINTENANCE OF TRAFFIC TYPICAL SECTION

STA. 72+61.79 TO STA. 89+83.57



MAINTENANCE OF TRAFFIC TYPICAL SECTION

STA. 92+39.23 TO STA. 118+73.05

LEGEND

- WORK AREA
- DRUMS
- DIRECTION OF TRAFFIC

SUGGESTED ROADWAY CONSTRUCTION SEQUENCING

STAGE 1A:

TRAFFIC:
CLOSE NB 17th AVE RIGHT LANE BETWEEN CERMAK RD AND 16TH ST USING STANDARD 701606 DURING DAYTIME HOURS ONLY. CLOSE NB 17th AVE RIGHT LANE AT 2L2W LOCATIONS AS NEEDED USING STANDARD 701501 DURING DAYTIME HOURS ONLY. CLOSE CURB RAMPS ON EAST SIDE OF 17th AVE USING STANDARD 701801. REOPEN ALL TRAFFIC LANES AT THE END OF EACH WORKING DAY. NOTE: EAST SIDE PARKING WILL NOT BE PERMITTED DURING THE DAYTIME HOURS OF THIS STAGE.

CONSTRUCTION (EAST SIDE OF 17th AVE):
REMOVE AND REPLACE CURB & GUTTER AND SIDEWALK RAMPS, INSTALL STORM SEWER PIPES AND DRAINAGE STRUCTURES, INSTALL TRAFFIC SIGNAL HANDHOLES AND APS DEVICES, AND RESTORE SODDING AT DISTURBED AREAS.

STAGE 1B:

TRAFFIC:
CLOSE SB 17th AVE RIGHT LANE BETWEEN CERMAK RD AND 16TH ST USING STANDARD 701606 DURING DAYTIME HOURS ONLY. CLOSE SB 17th AVE RIGHT LANE AT 2L2W LOCATIONS AS NEEDED USING STANDARD 701501 DURING DAYTIME HOURS ONLY. CLOSE CURB RAMPS ON WEST SIDE OF 17th AVE USING STANDARD 701801. REOPEN ALL TRAFFIC LANES AT THE END OF EACH WORKING DAY. NOTE: WEST SIDE PARKING WILL NOT BE PERMITTED DURING THE DAYTIME HOURS OF THIS STAGE.

CONSTRUCTION (WEST SIDE OF 17th AVE):
REMOVE AND REPLACE CURB & GUTTER AND SIDEWALK RAMPS, INSTALL STORM SEWER PIPES AND DRAINAGE STRUCTURES, INSTALL TRAFFIC SIGNAL HANDHOLES AND APS DEVICES, AND RESTORE SODDING AT DISTURBED AREAS.

STAGE 2:

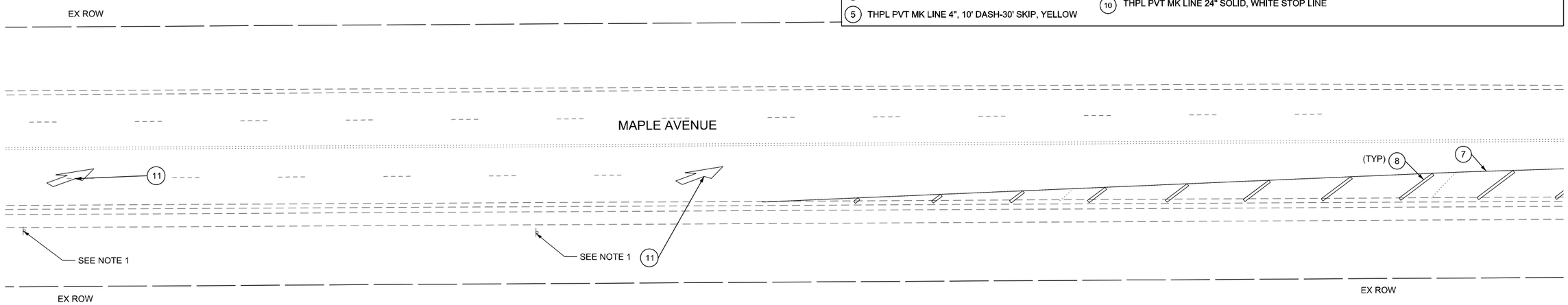
TRAFFIC:
CLOSE LANES USING STANDARDS 701311, 701501, 701502, 701602, 701606, 701611 AND 701701 DURING DAYTIME HOURS ONLY.

CONSTRUCTION:
PERFORM PAVEMENT REHABILITATION (MILL, PAVEMENT PATCHING, AND OVERLAY), CURB AND GUTTER REMOVAL AND REPLACEMENT, DETECTOR LOOP INSTALLATION, FRAME AND LID ADJUSTMENTS, AND PAVEMENT MARKING RESTORATION.

LEGEND: PROPOSED PAVEMENT STRIPING

1. THPL PVT MK LINE 4" SOLID, WHITE
2. THPL PVT MK LINE 4" SOLID, YELLOW
3. THPL PVT MK LINE 4" CENTERLINE, DOUBLE YELLOW @ 11" C-C
4. THPL PVT MK LINE 4", 10' DASH-30' SKIP, WHITE
5. THPL PVT MK LINE 4", 10' DASH-30' SKIP, YELLOW
6. THPL PVT MK LINE 6", 2' DASH-6' SKIP, WHITE
7. THPL PVT MK LINE 6" SOLID, WHITE
8. THPL PVT MK LINE 12" SOLID, WHITE CROSSWALK
9. THPL PVT MK LINE 12" SOLID, YELLOW
10. THPL PVT MK LINE 24" SOLID, WHITE STOP LINE
11. THPL PVT MK LTR & SYM, WHITE

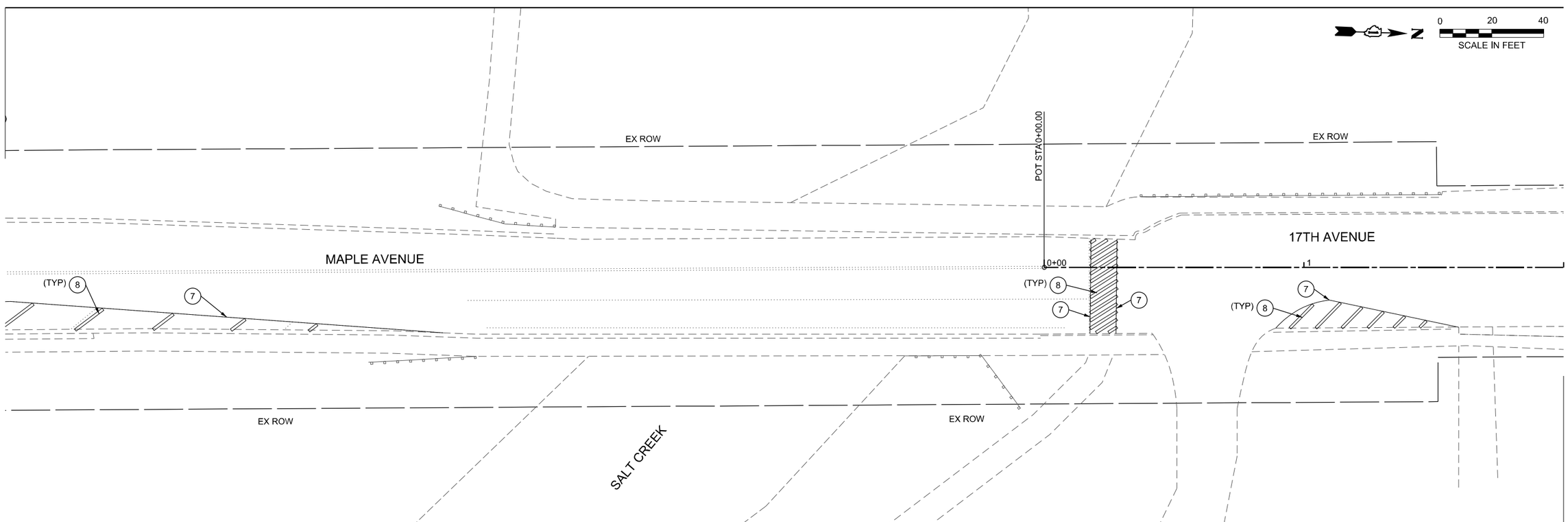
A. RAISED REFL PAVT MKR (ONE WAY AMBER)
B. RAISED REFL PAVT MKR (TWO WAY AMBER)
C. RAISED REFL PAVT MKR (ONE WAY CRYSTAL)



NOTES:

1. FLAGS TO BE ADDED TO TOP OF EXISTING SIGN W4-2R AND EXISING SIGN ASSEMBLY (W9-1R AND W16-2P)

0 20 40
SCALE IN FEET



0 20 40
SCALE IN FEET

MODEL: PrCL_17th - 17th_Plan_20sc-00-1
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-sht-plan-0.dgn

Michael Baker INTERNATIONAL 200 West Adams Street, Suite 1800, Chicago, IL 60606 Phone: (312) 707-8770 • MBAKERINTL.COM	USER NAME = Jaime.Rivera	DESIGNED - CEL	REVISED -
		DRAWN - MFK	REVISED -
	PLOT SCALE = 0.16666633 ' / in.	CHECKED - ZJT	REVISED -
	PLOT DATE = 10/17/2024	DATE - 06/15/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

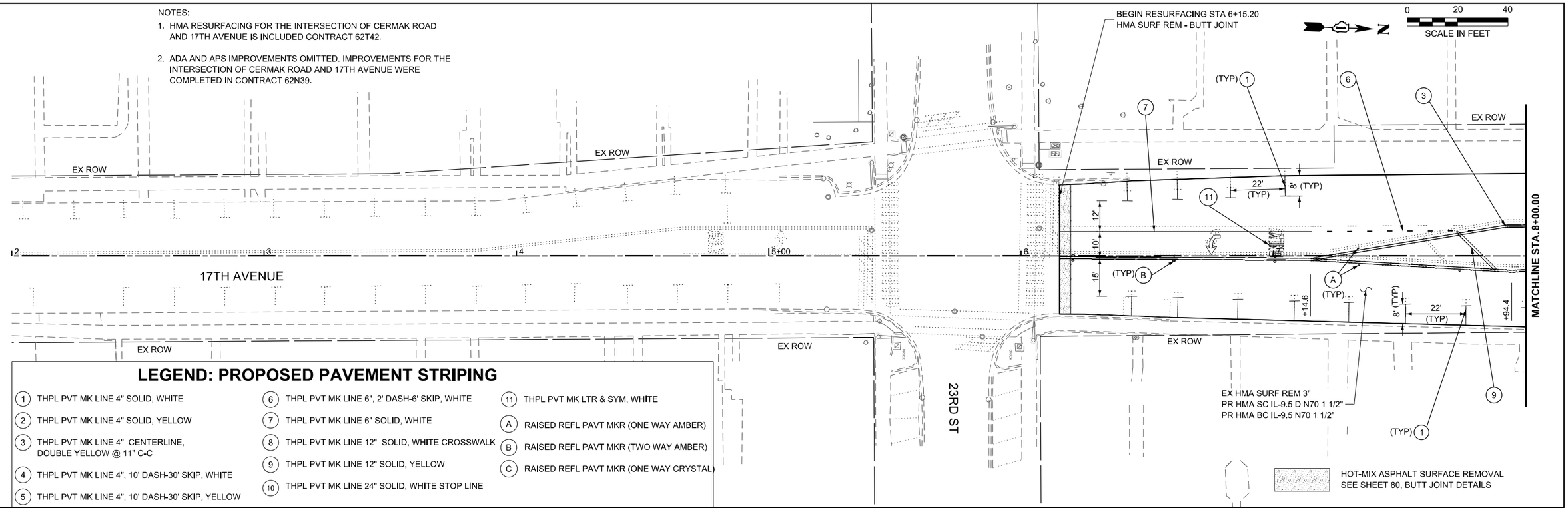
ROADWAY AND PAVEMENT MARKING PLAN
17TH AVE (23RD ST TO MADISON ST)

SCALE: 1"=20' | SHEET 1 OF 12 SHEETS | STA. -10+00.0 TO STA. 2+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	14
		CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	

NOTES:

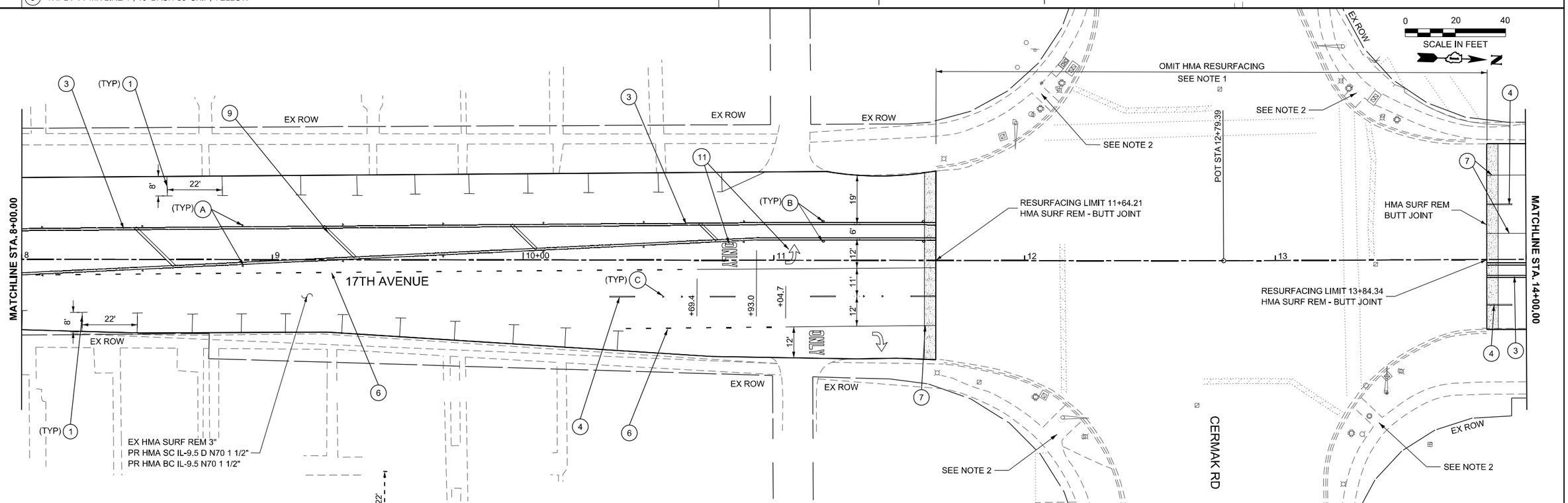
1. HMA RESURFACING FOR THE INTERSECTION OF CERMAK ROAD AND 17TH AVENUE IS INCLUDED CONTRACT 62T42.
2. ADA AND APS IMPROVEMENTS OMITTED. IMPROVEMENTS FOR THE INTERSECTION OF CERMAK ROAD AND 17TH AVENUE WERE COMPLETED IN CONTRACT 62N39.



LEGEND: PROPOSED PAVEMENT STRIPING

1. THPL PVT MK LINE 4" SOLID, WHITE
2. THPL PVT MK LINE 4" SOLID, YELLOW
3. THPL PVT MK LINE 4" CENTERLINE, DOUBLE YELLOW @ 11" C-C
4. THPL PVT MK LINE 4", 10' DASH-30' SKIP, WHITE
5. THPL PVT MK LINE 4", 10' DASH-30' SKIP, YELLOW
6. THPL PVT MK LINE 6", 2' DASH-6' SKIP, WHITE
7. THPL PVT MK LINE 6" SOLID, WHITE
8. THPL PVT MK LINE 12" SOLID, WHITE CROSSWALK
9. THPL PVT MK LINE 12" SOLID, YELLOW
10. THPL PVT MK LINE 24" SOLID, WHITE STOP LINE
11. THPL PVT MK LTR & SYM, WHITE

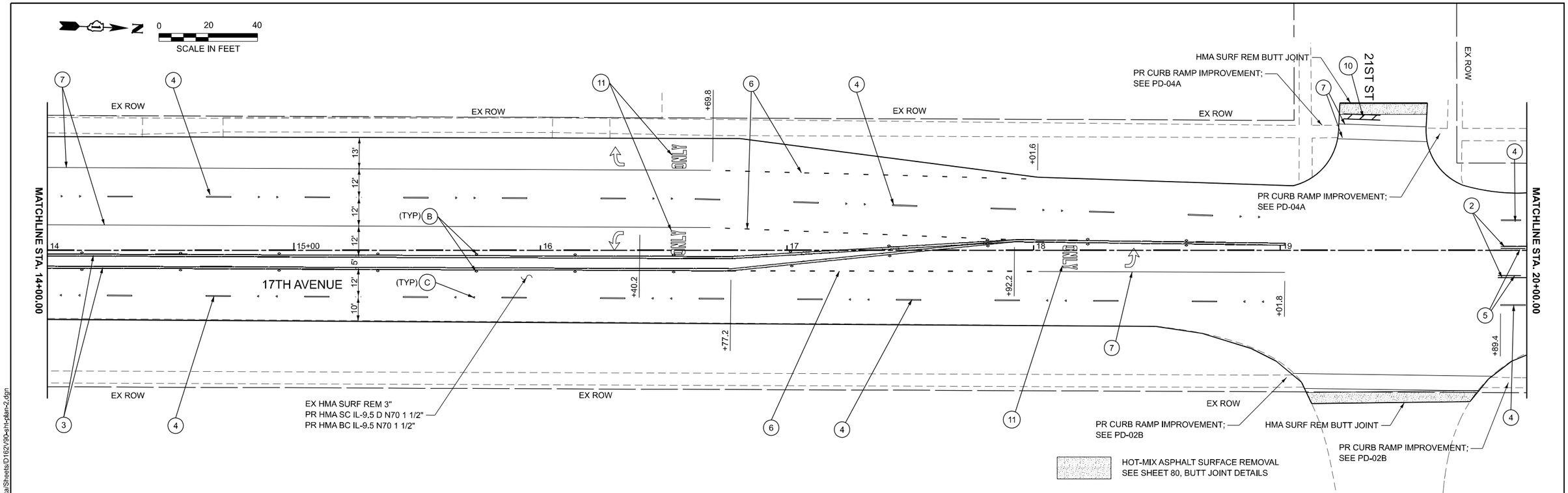
A. RAISED REFL PAVT MKR (ONE WAY AMBER)
B. RAISED REFL PAVT MKR (TWO WAY AMBER)
C. RAISED REFL PAVT MKR (ONE WAY CRYSTAL)

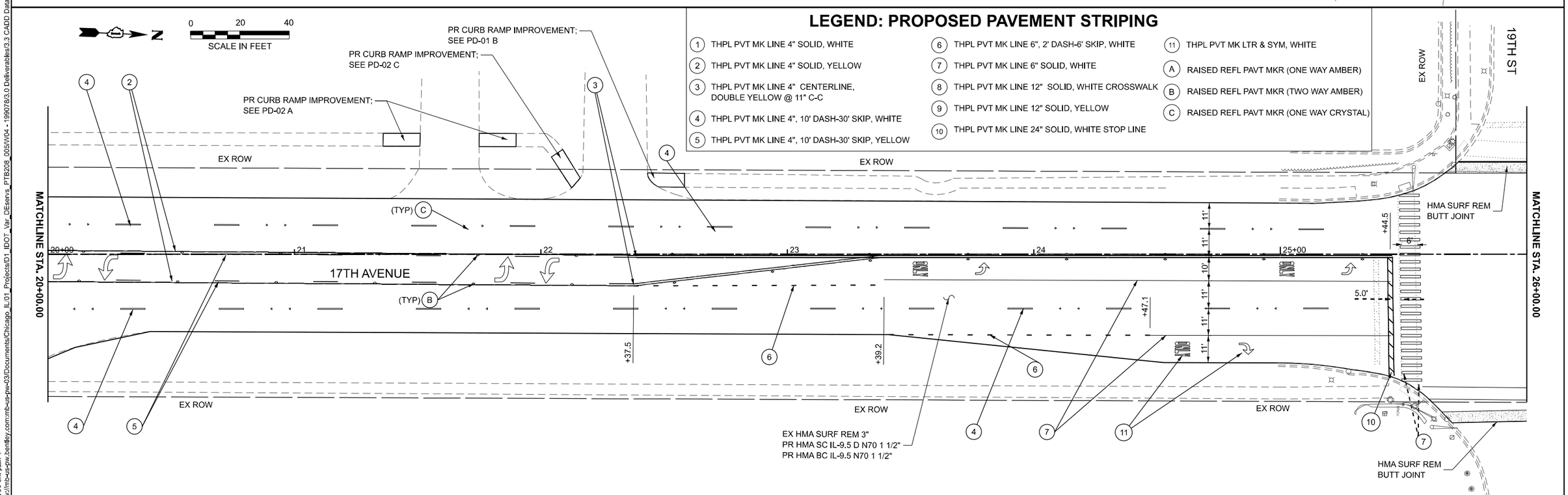


MODEL: D162V90-sht-plan
FILE NAME: pw://mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-sht-plan-1.dgn

Michael Baker INTERNATIONAL, 200 West Adams Street, Suite 1800, Chicago, IL 60606, Phone: (312) 707-8770 • MBAKERINTL.COM	USER NAME = Jaime.Rivera	DESIGNED - CEL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLAN 17TH AVE (23RD ST TO MADISON ST)
		DRAWN - MFK	REVISED -		
	PLOT SCALE = 0.167 ' / in.	CHECKED - ZJT	REVISED -		
	PLOT DATE = 10/17/2024	DATE - 06/15/2024	REVISED -		SCALE: 1"=20' SHEET 2 OF 12 SHEETS STA. 2+00.00 TO STA. 14+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	15
		CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	





LEGEND: PROPOSED PAVEMENT STRIPING

1. THPL PVT MK LINE 4" SOLID, WHITE
2. THPL PVT MK LINE 4" SOLID, YELLOW
3. THPL PVT MK LINE 4" CENTERLINE, DOUBLE YELLOW @ 11" C-C
4. THPL PVT MK LINE 4", 10' DASH-30' SKIP, WHITE
5. THPL PVT MK LINE 4", 10' DASH-30' SKIP, YELLOW
6. THPL PVT MK LINE 6", 2' DASH-6' SKIP, WHITE
7. THPL PVT MK LINE 6" SOLID, WHITE
8. THPL PVT MK LINE 12" SOLID, WHITE CROSSWALK
9. THPL PVT MK LINE 12" SOLID, YELLOW
10. THPL PVT MK LINE 24" SOLID, WHITE STOP LINE
11. THPL PVT MK LTR & SYM, WHITE

- (A) RAISED REFL PAVT MKR (ONE WAY AMBER)
- (B) RAISED REFL PAVT MKR (TWO WAY AMBER)
- (C) RAISED REFL PAVT MKR (ONE WAY CRYSTAL)

MODEL: D162V90-sht-plan-1
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-sht-plan-2.dgn

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USER NAME =	DESIGNED - CEL	REVISED -	
	DRAWN - MFK	REVISED -	
PLOT SCALE = 0.167 ' / in.	CHECKED - ZJT	REVISED -	
PLOT DATE = 11/26/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING PLAN
17TH AVE (23RD ST TO MADISON ST)

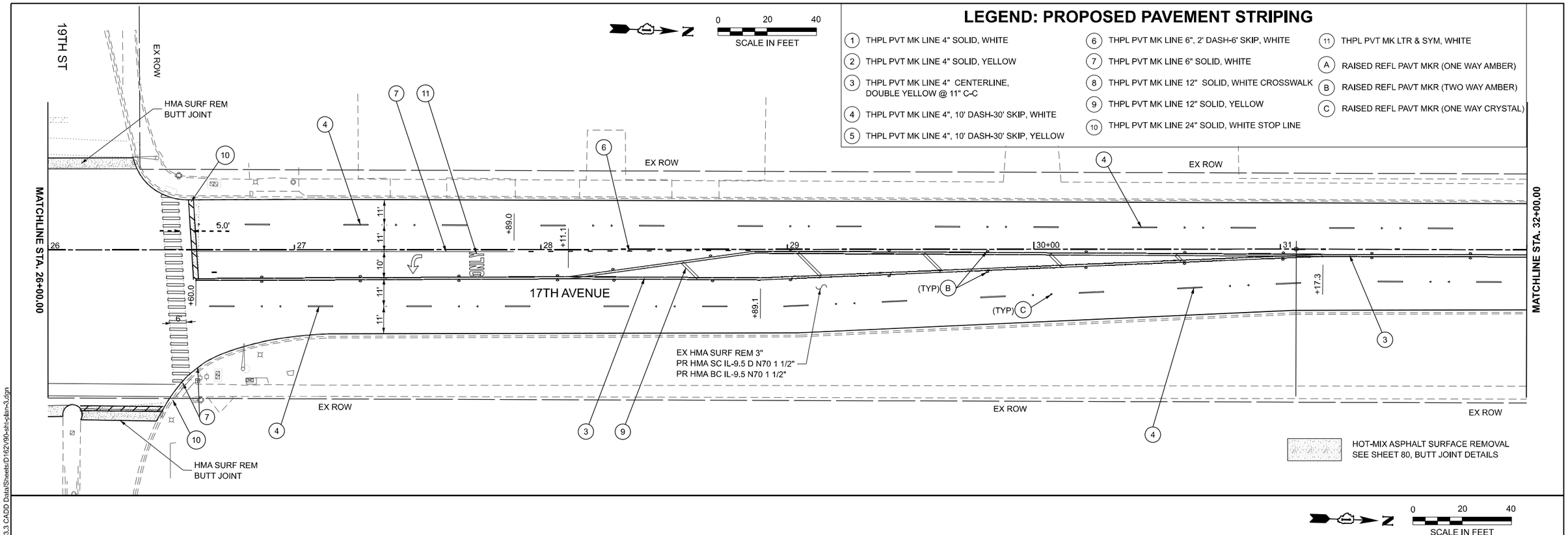
SCALE: 1"=20' | SHEET 3 OF 12 SHEETS | STA. 14+00.00 TO STA. 26+00.00

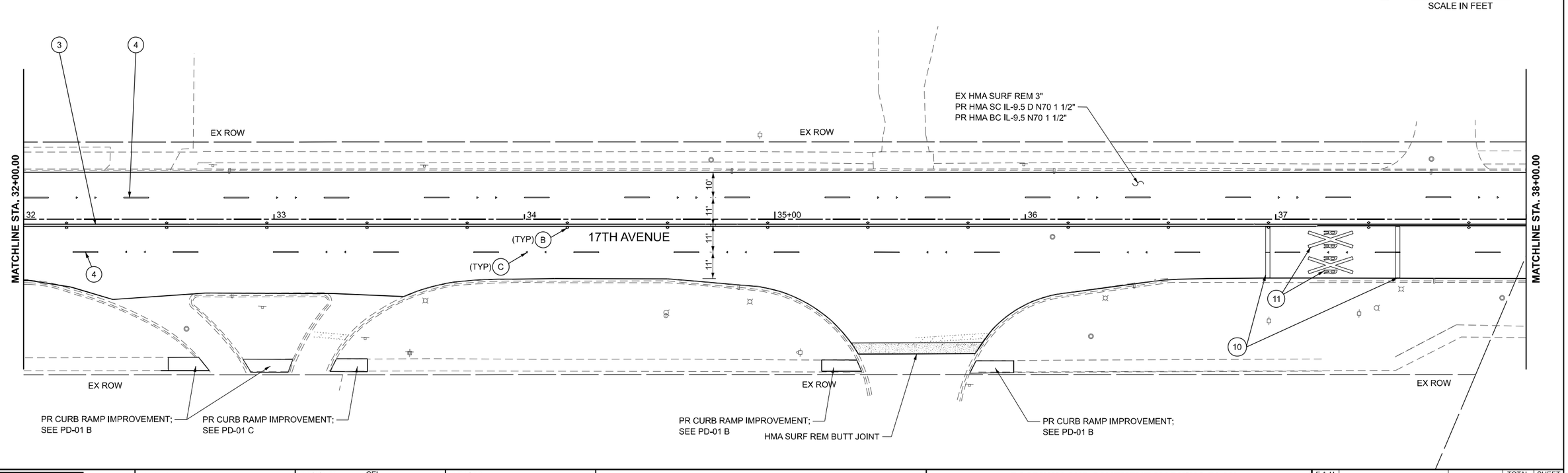
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	16
		CONTRACT NO. 62V90		
		ILLINOIS FED. AID PROJECT		

LEGEND: PROPOSED PAVEMENT STRIPING

1. THPL PVT MK LINE 4" SOLID, WHITE
2. THPL PVT MK LINE 4" SOLID, YELLOW
3. THPL PVT MK LINE 4" CENTERLINE, DOUBLE YELLOW @ 11" C-C
4. THPL PVT MK LINE 4", 10' DASH-30' SKIP, WHITE
5. THPL PVT MK LINE 4", 10' DASH-30' SKIP, YELLOW
6. THPL PVT MK LINE 6", 2' DASH-6' SKIP, WHITE
7. THPL PVT MK LINE 6" SOLID, WHITE
8. THPL PVT MK LINE 12" SOLID, WHITE CROSSWALK
9. THPL PVT MK LINE 12" SOLID, YELLOW
10. THPL PVT MK LINE 24" SOLID, WHITE STOP LINE
11. THPL PVT MK LTR & SYM, WHITE

A. RAISED REFL PAVT MKR (ONE WAY AMBER)
B. RAISED REFL PAVT MKR (TWO WAY AMBER)
C. RAISED REFL PAVT MKR (ONE WAY CRYSTAL)





MODEL: D162V90-sht-plan-2
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEserve_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-sht-plan-3.dgn

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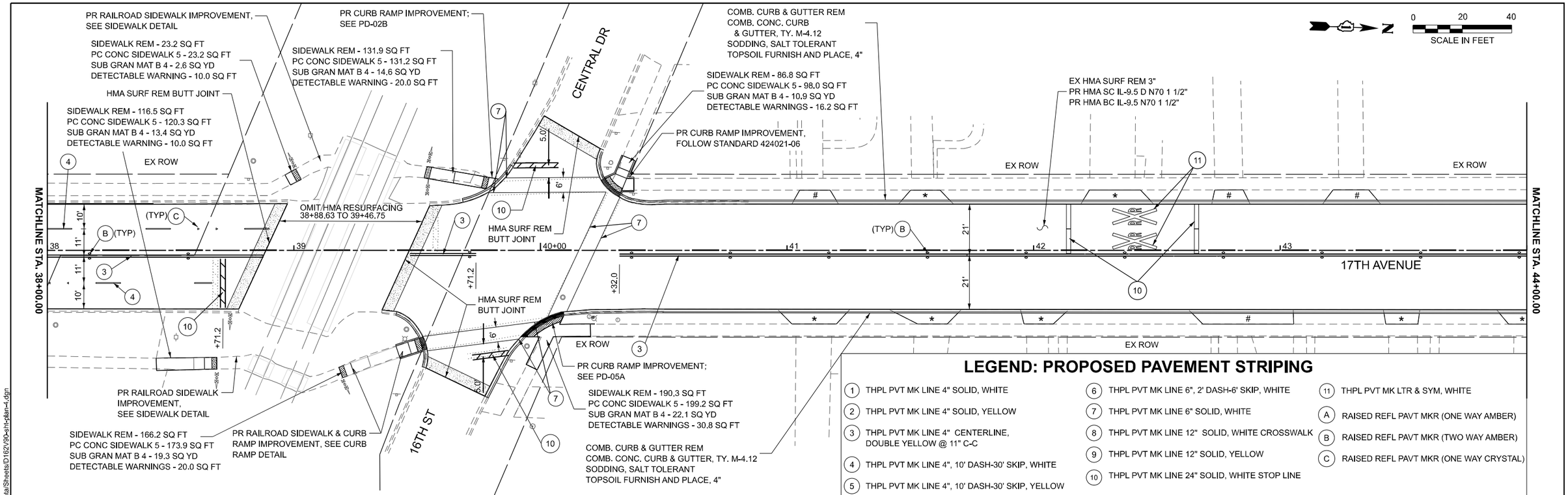
USER NAME =	DESIGNED - CEL	REVISED -	
	DRAWN - MFK	REVISED -	
PLOT SCALE = 0.167 ' / in.	CHECKED - ZJT	REVISED -	
PLOT DATE = 11/26/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING PLAN
17TH AVE (23RD ST TO MADISON ST)

SCALE: 1"=20' | SHEET 4 OF 12 SHEETS | STA. 26+00.00 TO STA. 38+00.00

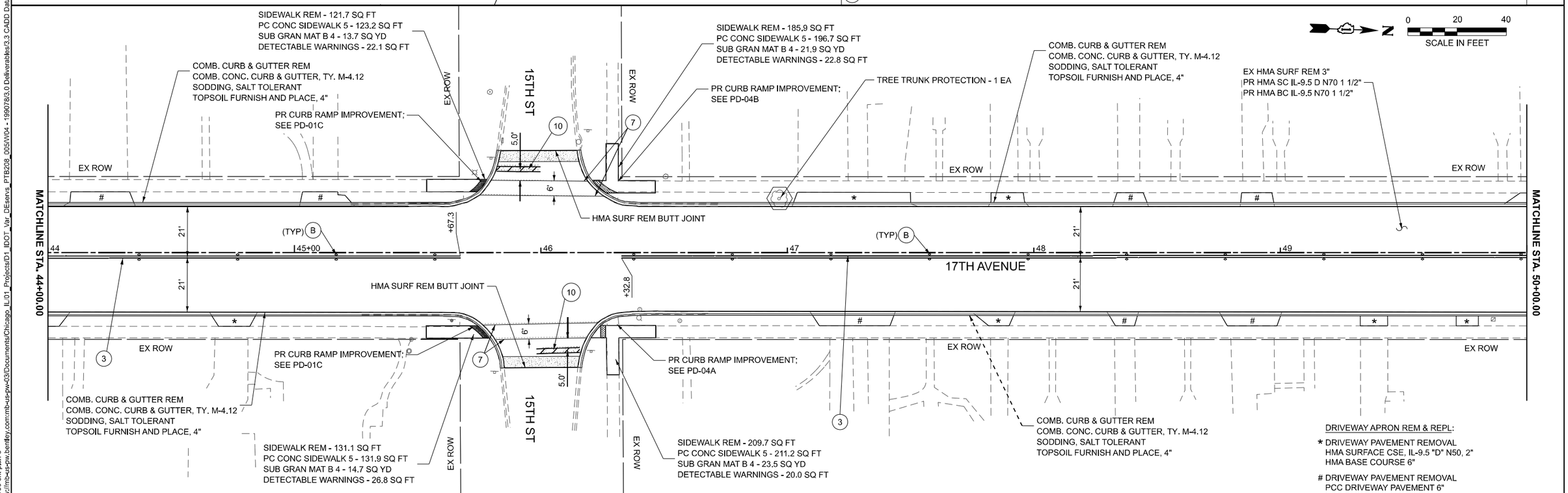
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	17
		CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	



LEGEND: PROPOSED PAVEMENT STRIPING

1. THPL PVT MK LINE 4" SOLID, WHITE
2. THPL PVT MK LINE 4" SOLID, YELLOW
3. THPL PVT MK LINE 4" CENTERLINE, DOUBLE YELLOW @ 11" C-C
4. THPL PVT MK LINE 4", 10' DASH-30' SKIP, WHITE
5. THPL PVT MK LINE 4", 10' DASH-30' SKIP, YELLOW
6. THPL PVT MK LINE 6", 2' DASH-6' SKIP, WHITE
7. THPL PVT MK LINE 6" SOLID, WHITE
8. THPL PVT MK LINE 12" SOLID, WHITE CROSSWALK
9. THPL PVT MK LINE 12" SOLID, YELLOW
10. THPL PVT MK LINE 24" SOLID, WHITE STOP LINE
11. THPL PVT MK LTR & SYM, WHITE

A. RAISED REFL PAVT MKR (ONE WAY AMBER)
B. RAISED REFL PAVT MKR (TWO WAY AMBER)
C. RAISED REFL PAVT MKR (ONE WAY CRYSTAL)



DRIVEWAY APRON REM & REPL:

* DRIVEWAY PAVEMENT REMOVAL
HMA SURFACE CSE, IL-9.5 "D" N50, 2"
HMA BASE COURSE 6"

\# DRIVEWAY PAVEMENT REMOVAL
PCC DRIVEWAY PAVEMENT 6"

MODEL: D162V90-sht-plan-3
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 1990787.0 Deliverables/3.3 CADD Data/Sheets/D162V90-sht-plan-1.dgn

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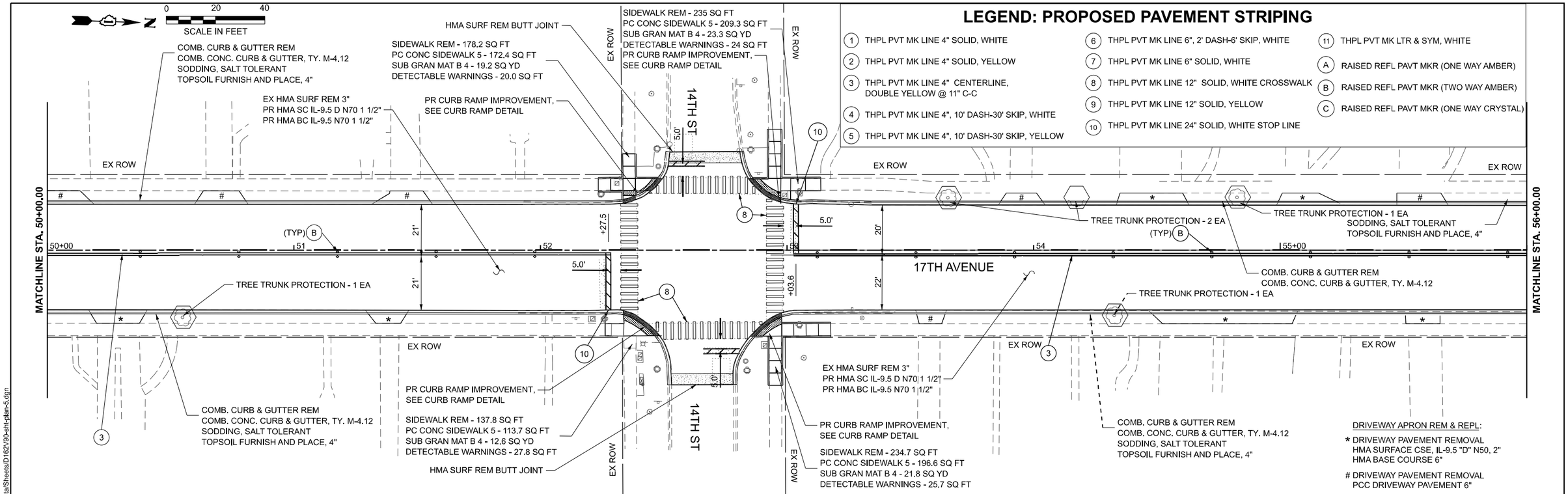
USER NAME =	DESIGNED - ZJT	REVISED -	
	DRAWN - CEL	REVISED -	
PLOT SCALE = 0.167 ' / in.	CHECKED - WJT	REVISED -	
PLOT DATE = 11/26/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING PLAN
17TH AVE (23RD ST TO MADISON ST)

SCALE: 1"20' | SHEET 5 OF 12 SHEETS | STA. 38+00.00 TO STA. 50+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	18
		CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	



MODEL: D162V90-sht-plan-4
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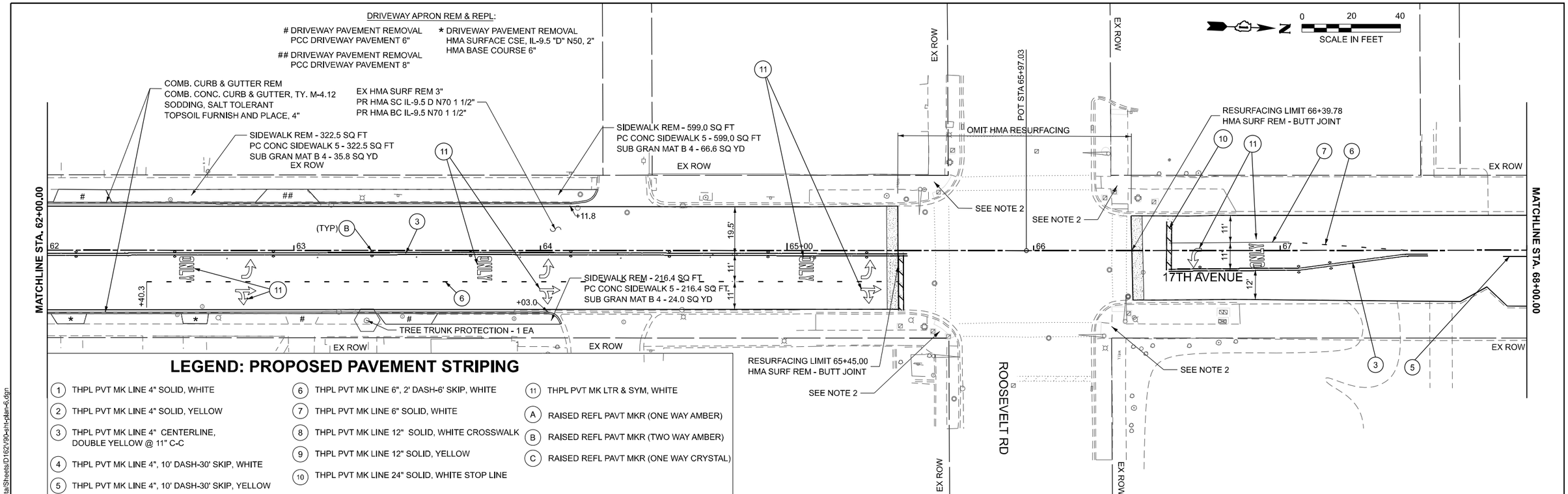
USER NAME =	DESIGNED - ZJT	REVISED -	
	DRAWN - CEL	REVISED -	
PLOT SCALE = 0.167 ' / in.	CHECKED - WJT	REVISED -	
PLOT DATE = 11/26/2024	DATE - 06/15/2024	REVISED -	

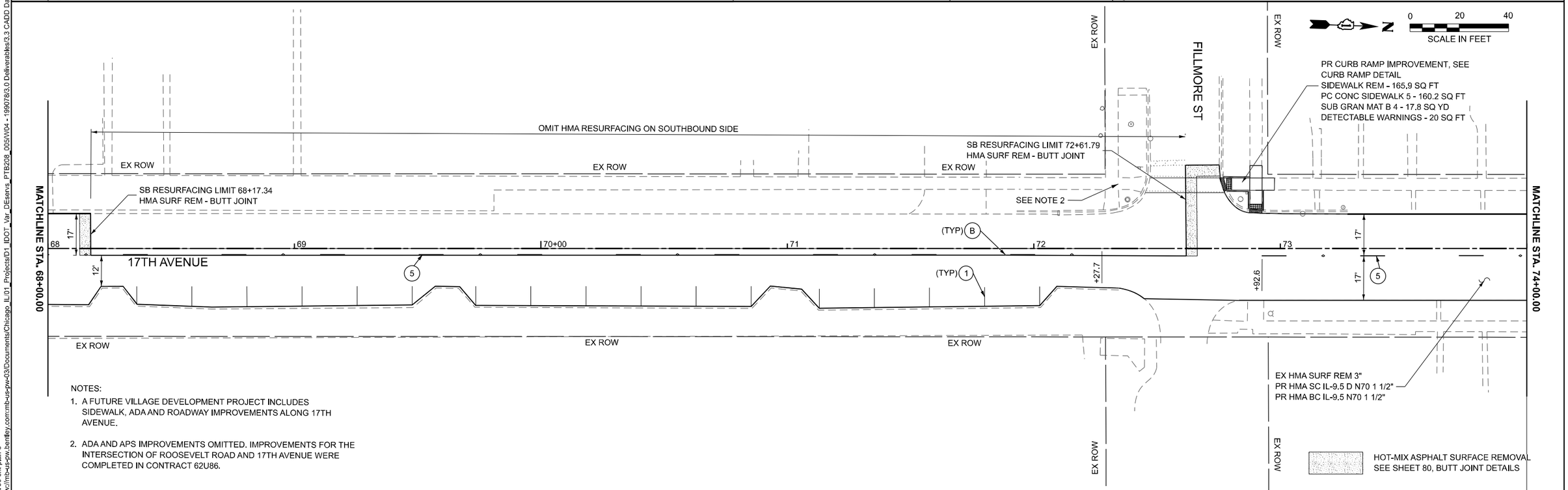
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING PLAN
17TH AVE (23RD ST TO MADISON ST)

SCALE: 1"=20' | SHEET 6 OF 12 SHEETS | STA. 50+00.00 TO STA. 62+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	19
		CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	





NOTES:

1. A FUTURE VILLAGE DEVELOPMENT PROJECT INCLUDES SIDEWALK, ADA AND ROADWAY IMPROVEMENTS ALONG 17TH AVENUE.
2. ADA AND APS IMPROVEMENTS OMITTED. IMPROVEMENTS FOR THE INTERSECTION OF ROOSEVELT ROAD AND 17TH AVENUE WERE COMPLETED IN CONTRACT 62U86.

MODEL: D162V90-sht-plan-5
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 1990788.0 Deliverables/3.3 CADD Data/Sheets/D162V90-sht-plan-6.dgn

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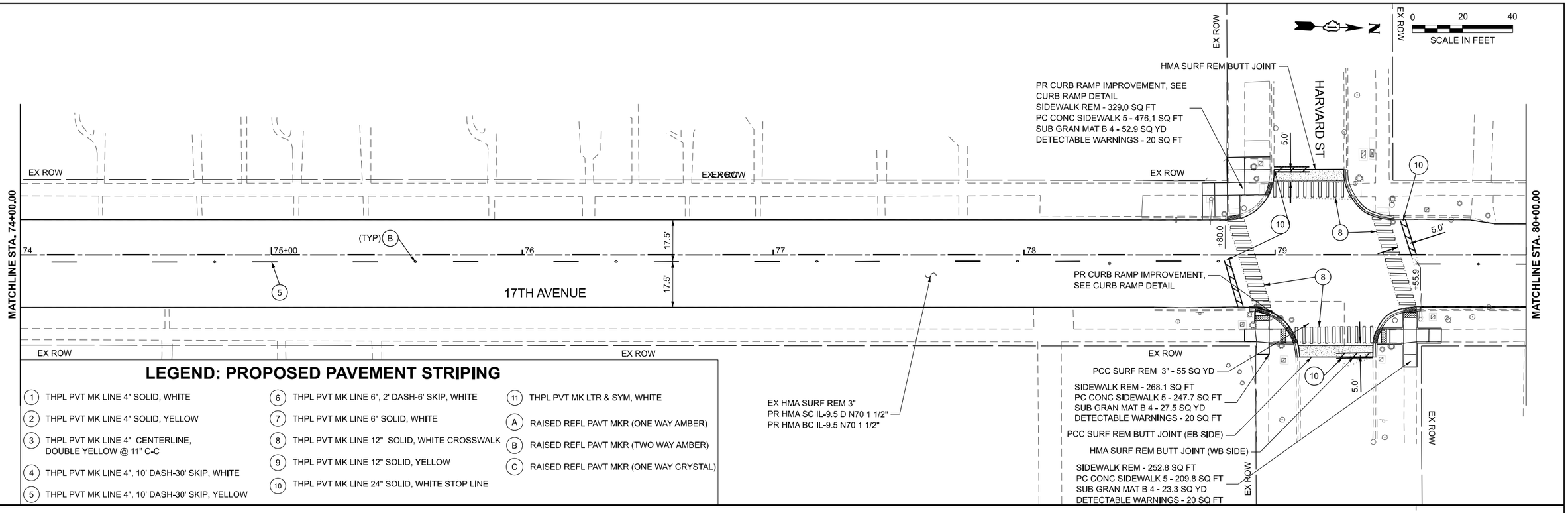
USER NAME =	DESIGNED - ZJT	REVISED -	
	DRAWN - CEL	REVISED -	
PLOT SCALE = 0.167 ' / in.	CHECKED - WJT	REVISED -	
PLOT DATE = 11/26/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING PLAN
17TH AVE (23RD ST TO MADISON ST)

SCALE: 1"=20' | SHEET 7 OF 12 SHEETS | STA. 62+00.00 TO STA. 74+00.00

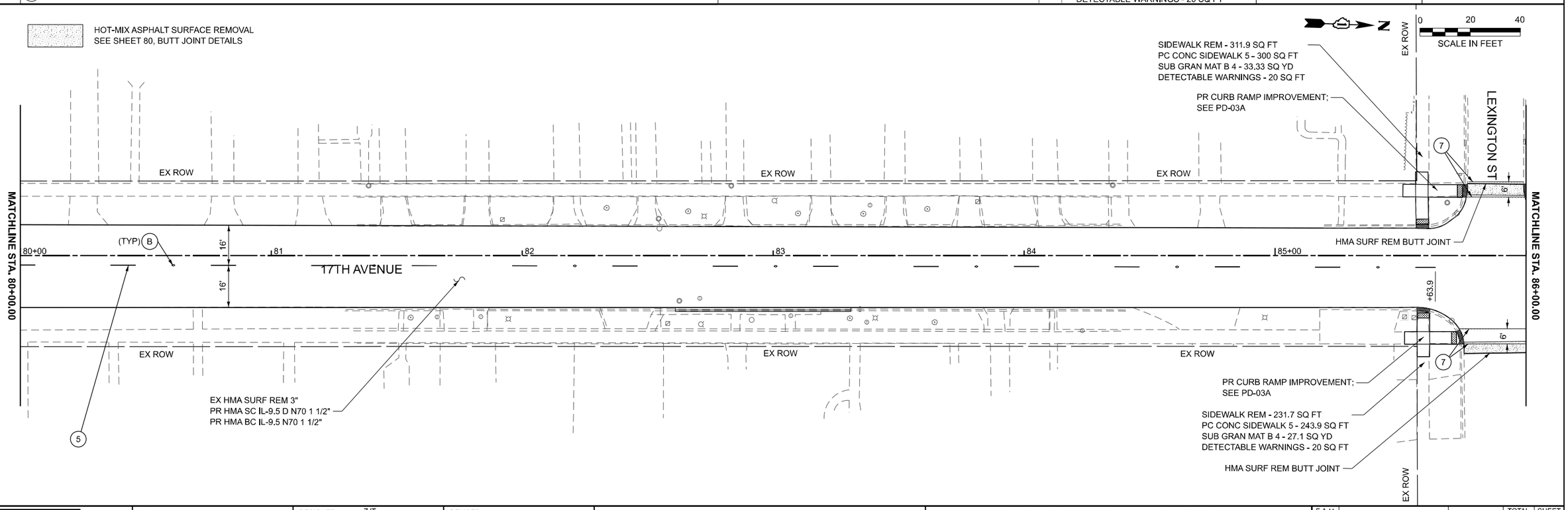
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	20
		CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	



LEGEND: PROPOSED PAVEMENT STRIPING

1. THPL PVT MK LINE 4" SOLID, WHITE
2. THPL PVT MK LINE 4" SOLID, YELLOW
3. THPL PVT MK LINE 4" CENTERLINE, DOUBLE YELLOW @ 11" C-C
4. THPL PVT MK LINE 4", 10' DASH-30' SKIP, WHITE
5. THPL PVT MK LINE 4", 10' DASH-30' SKIP, YELLOW
6. THPL PVT MK LINE 6", 2' DASH-6' SKIP, WHITE
7. THPL PVT MK LINE 6" SOLID, WHITE
8. THPL PVT MK LINE 12" SOLID, WHITE CROSSWALK
9. THPL PVT MK LINE 12" SOLID, YELLOW
10. THPL PVT MK LINE 24" SOLID, WHITE STOP LINE
11. THPL PVT MK LTR & SYM, WHITE

A. RAISED REFL PAVT MKR (ONE WAY AMBER)
B. RAISED REFL PAVT MKR (TWO WAY AMBER)
C. RAISED REFL PAVT MKR (ONE WAY CRYSTAL)



MODEL: D162V90-sht-plan-6
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEserve_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-sht-plan-7.dgn

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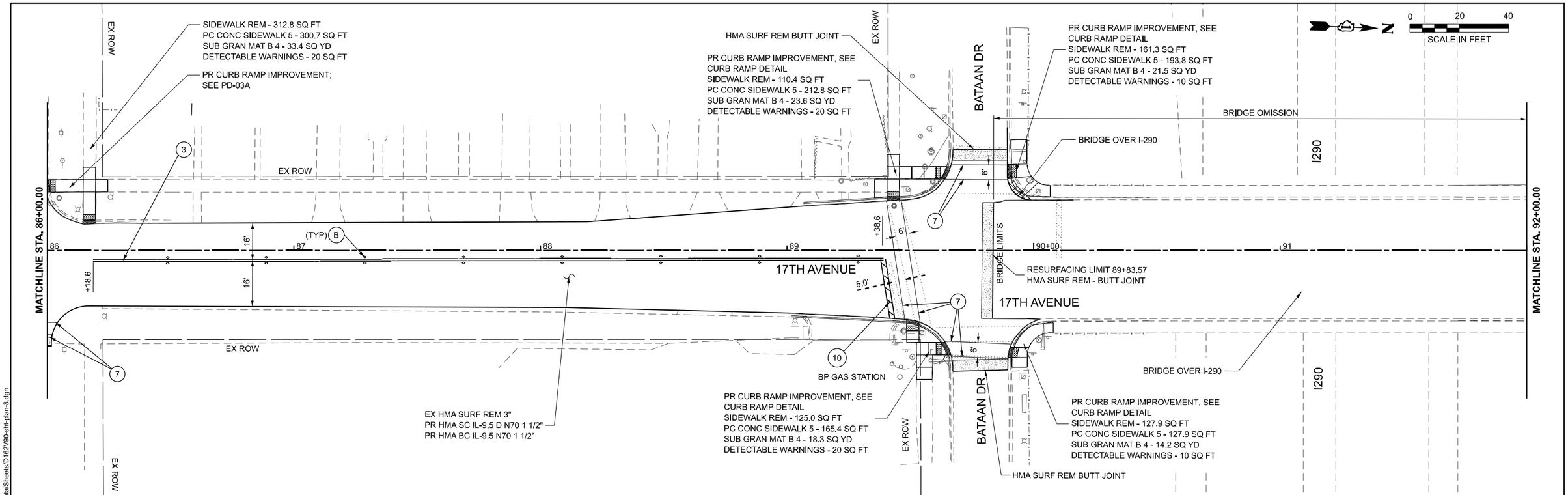
USER NAME =	DESIGNED - ZJT	REVISED -	
	DRAWN - CEL	REVISED -	
PLOT SCALE = 0.167 ' / in.	CHECKED - WJT	REVISED -	
PLOT DATE = 11/26/2024	DATE - 06/15/2024	REVISED -	

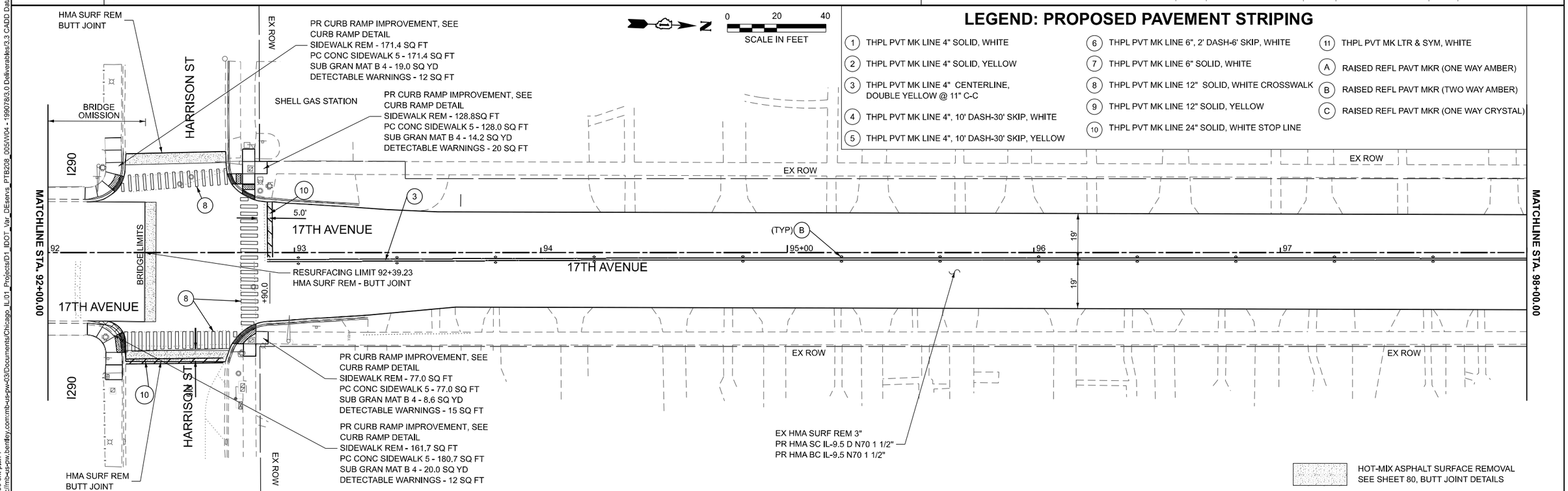
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING PLAN
17TH AVE (23RD ST TO MADISON ST)

SCALE: 1"=20' | SHEET 8 OF 12 SHEETS | STA. 74+00.00 TO STA. 86+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	21
		CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	





LEGEND: PROPOSED PAVEMENT STRIPING

1. THPL PVT MK LINE 4" SOLID, WHITE
2. THPL PVT MK LINE 4" SOLID, YELLOW
3. THPL PVT MK LINE 4" CENTERLINE, DOUBLE YELLOW @ 11" C-C
4. THPL PVT MK LINE 4", 10' DASH-30' SKIP, WHITE
5. THPL PVT MK LINE 4", 10' DASH-30' SKIP, YELLOW
6. THPL PVT MK LINE 6", 2' DASH-6' SKIP, WHITE
7. THPL PVT MK LINE 6" SOLID, WHITE
8. THPL PVT MK LINE 12" SOLID, WHITE CROSSWALK
9. THPL PVT MK LINE 12" SOLID, YELLOW
10. THPL PVT MK LINE 24" SOLID, WHITE STOP LINE
11. THPL PVT MK LTR & SYM, WHITE

A. RAISED REFL PAVT MKR (ONE WAY AMBER)
B. RAISED REFL PAVT MKR (TWO WAY AMBER)
C. RAISED REFL PAVT MKR (ONE WAY CRYSTAL)

HOT-MIX ASPHALT SURFACE REMOVAL
SEE SHEET 80, BUTT JOINT DETAILS

MODEL: D162V90-sht-plan-7
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 1990782.0 Deliverables/3.3 CADD Data/Sheets/D162V90-sht-plan-8.dgn

Michael Baker INTERNATIONAL
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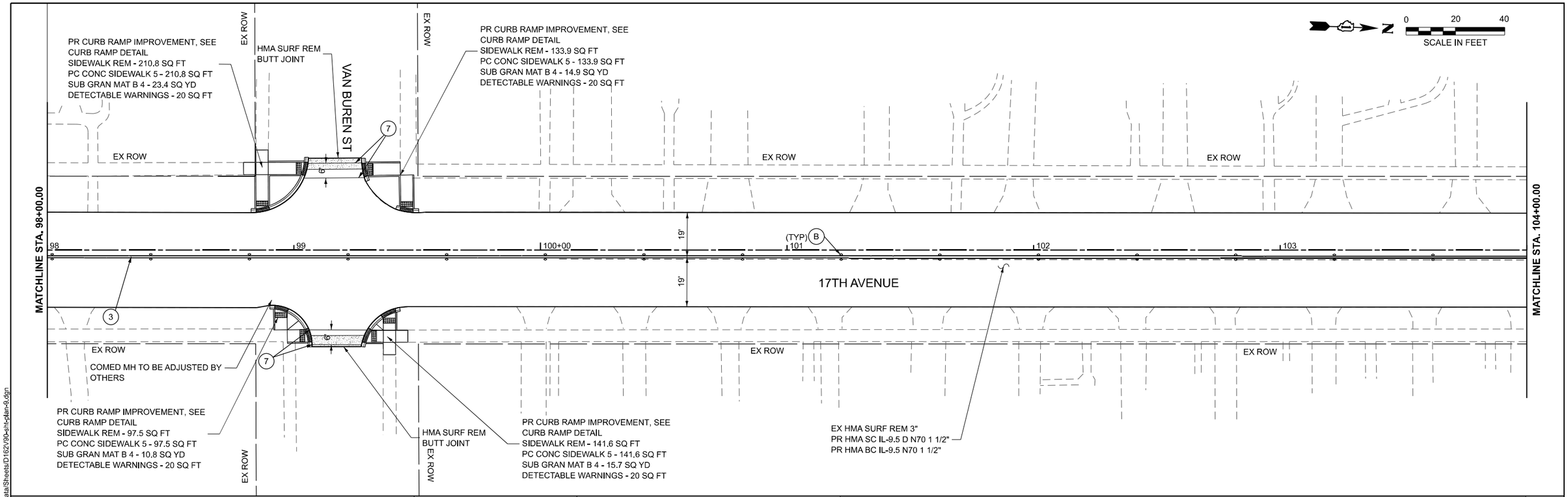
USER NAME =	DESIGNED - ZJT	REVISED -	
	DRAWN - CEL	REVISED -	
PLOT SCALE = 0.167' / in.	CHECKED - WJT	REVISED -	
PLOT DATE = 11/26/2024	DATE - 06/15/2024	REVISED -	

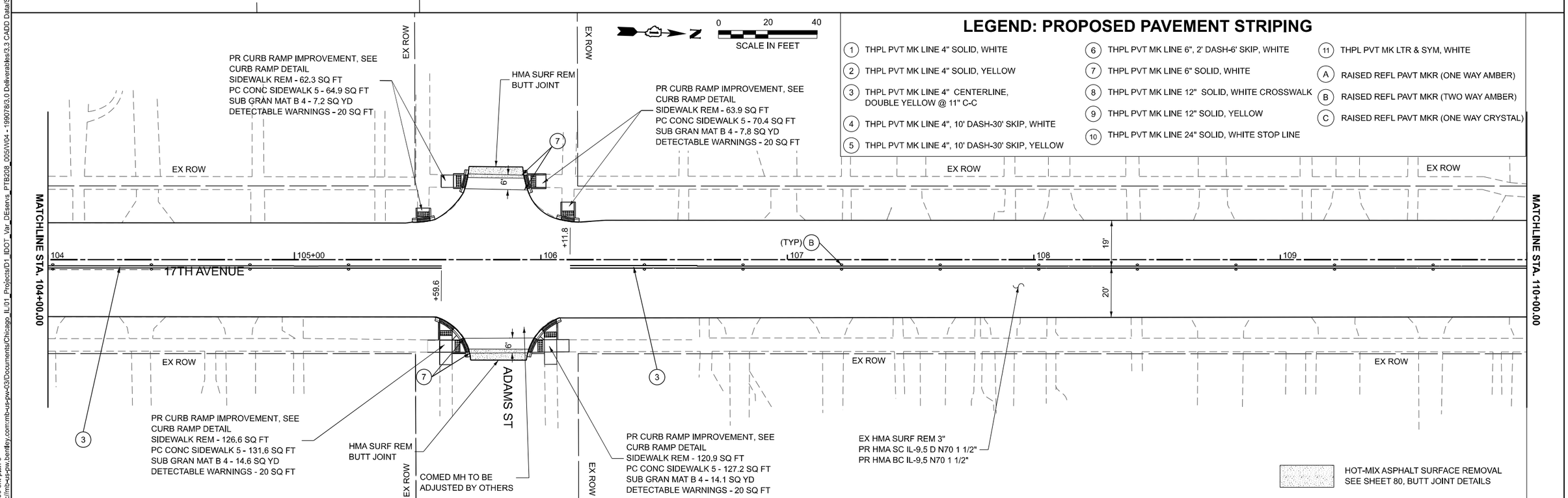
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING PLAN
17TH AVE (23RD ST TO MADISON ST)

SCALE: 1"=20' | SHEET 9 OF 12 SHEETS | STA. 86+00.00 TO STA. 98+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	22
		CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	





LEGEND: PROPOSED PAVEMENT STRIPING

1. THPL PVT MK LINE 4" SOLID, WHITE
2. THPL PVT MK LINE 4" SOLID, YELLOW
3. THPL PVT MK LINE 4" CENTERLINE, DOUBLE YELLOW @ 11" C-C
4. THPL PVT MK LINE 4", 10' DASH-30' SKIP, WHITE
5. THPL PVT MK LINE 4", 10' DASH-30' SKIP, YELLOW
6. THPL PVT MK LINE 6", 2' DASH-6' SKIP, WHITE
7. THPL PVT MK LINE 6" SOLID, WHITE
8. THPL PVT MK LINE 12" SOLID, WHITE CROSSWALK
9. THPL PVT MK LINE 12" SOLID, YELLOW
10. THPL PVT MK LINE 24" SOLID, WHITE STOP LINE
11. THPL PVT MK LTR & SYM, WHITE

A. RAISED REFL PAVT MKR (ONE WAY AMBER)
B. RAISED REFL PAVT MKR (TWO WAY AMBER)
C. RAISED REFL PAVT MKR (ONE WAY CRYSTAL)

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USER NAME =	DESIGNED - ZJT	REVISED -	
	DRAWN - CEL	REVISED -	
PLOT SCALE = 0.167 ' / in.	CHECKED - WJT	REVISED -	
PLOT DATE = 11/26/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING PLAN
17TH AVE (23RD ST TO MADISON ST)

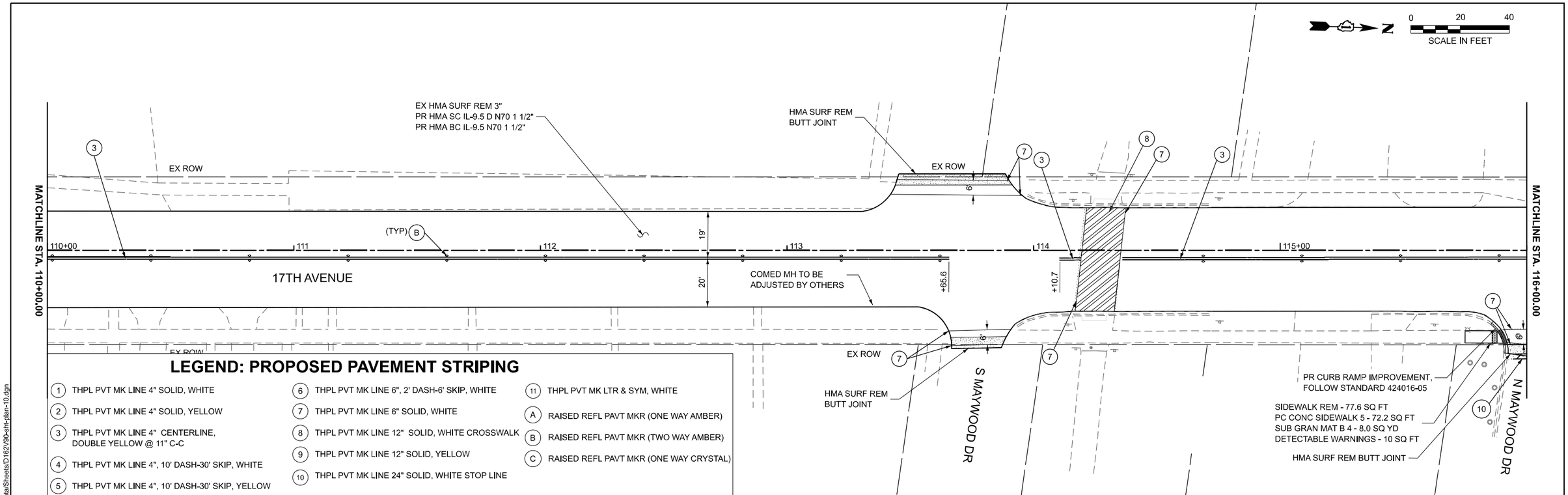
SCALE: 1"=20' | SHEET 10 OF 12 SHEETS | STA. 98+00.00 TO STA. 110+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	23

CONTRACT NO. 62V90

ILLINOIS | FED. AID PROJECT

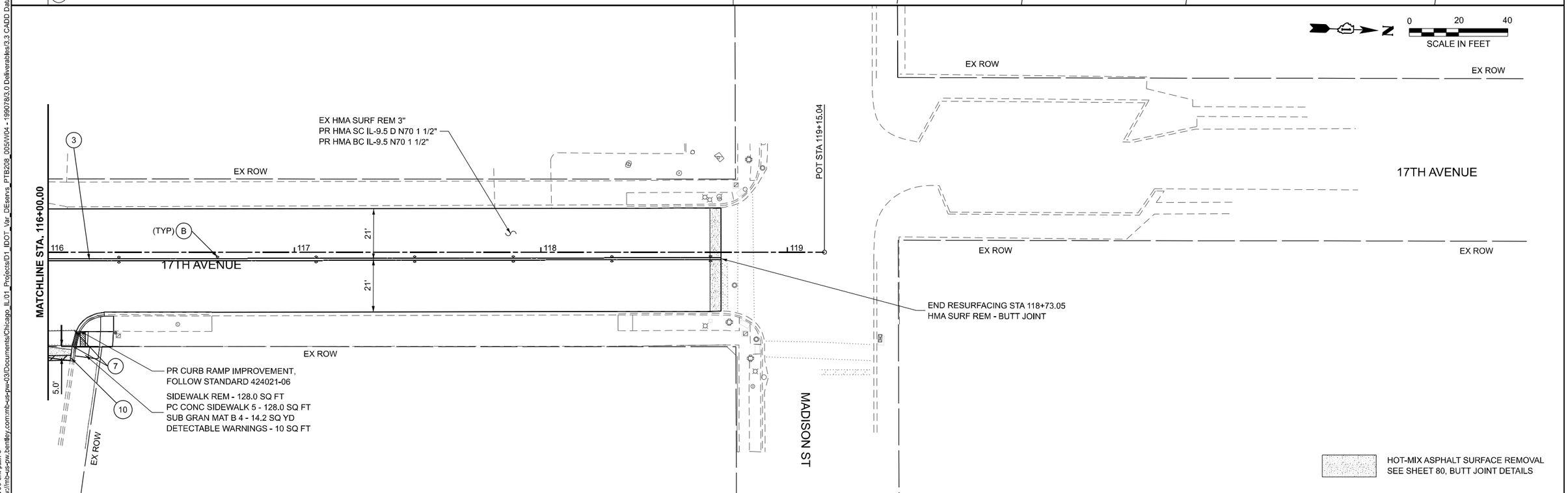
MODEL: D162V90-sht-plan-8
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEserv_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-sht-plan-9.dgn



LEGEND: PROPOSED PAVEMENT STRIPING

1. THPL PVT MK LINE 4" SOLID, WHITE
2. THPL PVT MK LINE 4" SOLID, YELLOW
3. THPL PVT MK LINE 4" CENTERLINE, DOUBLE YELLOW @ 11" C-C
4. THPL PVT MK LINE 4", 10' DASH-30' SKIP, WHITE
5. THPL PVT MK LINE 4", 10' DASH-30' SKIP, YELLOW
6. THPL PVT MK LINE 6", 2' DASH-6' SKIP, WHITE
7. THPL PVT MK LINE 6" SOLID, WHITE
8. THPL PVT MK LINE 12" SOLID, WHITE CROSSWALK
9. THPL PVT MK LINE 12" SOLID, YELLOW
10. THPL PVT MK LINE 24" SOLID, WHITE STOP LINE
11. THPL PVT MK LTR & SYM, WHITE

A. RAISED REFL PAVT MKR (ONE WAY AMBER)
B. RAISED REFL PAVT MKR (TWO WAY AMBER)
C. RAISED REFL PAVT MKR (ONE WAY CRYSTAL)



MODEL: D162V90-sht-plan-9
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USER NAME =	DESIGNED - ZJT	REVISED -	
	DRAWN - CEL	REVISED -	
PLOT SCALE = 0.167 ' / in.	CHECKED - WJT	REVISED -	
PLOT DATE = 11/26/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

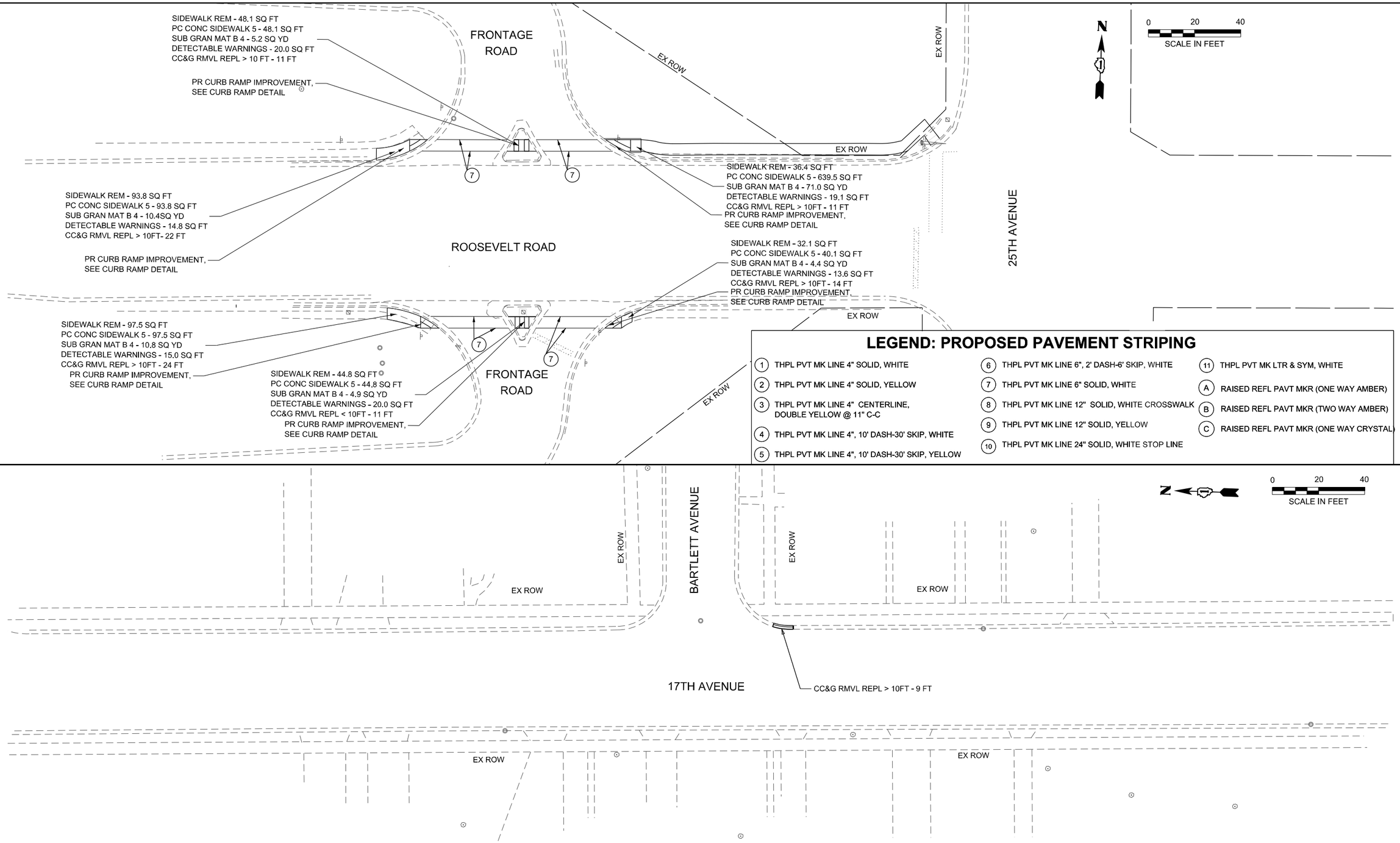
ROADWAY AND PAVEMENT MARKING PLAN
17TH AVE (23RD ST TO MADISON ST)

SCALE: 1"=20' | SHEET 11 OF 12 SHEETS | STA. 110+00.00 TO STA. 122+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	24

CONTRACT NO. 62V90

ILLINOIS | FED. AID PROJECT



LEGEND: PROPOSED PAVEMENT STRIPING

1. THPL PVT MK LINE 4" SOLID, WHITE
2. THPL PVT MK LINE 4" SOLID, YELLOW
3. THPL PVT MK LINE 4" CENTERLINE, DOUBLE YELLOW @ 11" C-C
4. THPL PVT MK LINE 4", 10' DASH-30' SKIP, WHITE
5. THPL PVT MK LINE 4", 10' DASH-30' SKIP, YELLOW
6. THPL PVT MK LINE 6", 2' DASH-6' SKIP, WHITE
7. THPL PVT MK LINE 6" SOLID, WHITE
8. THPL PVT MK LINE 12" SOLID, WHITE CROSSWALK
9. THPL PVT MK LINE 12" SOLID, YELLOW
10. THPL PVT MK LINE 24" SOLID, WHITE STOP LINE
11. THPL PVT MK LTR & SYM, WHITE

A. RAISED REFL PAVT MKR (ONE WAY AMBER)
B. RAISED REFL PAVT MKR (TWO WAY AMBER)
C. RAISED REFL PAVT MKR (ONE WAY CRYSTAL)

MODEL: PrCL_17th - 17th_Plan_20sc=20
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-sht-plan-11.dgn

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Phone: (312) 707-8770 • MBAKERINTL.COM

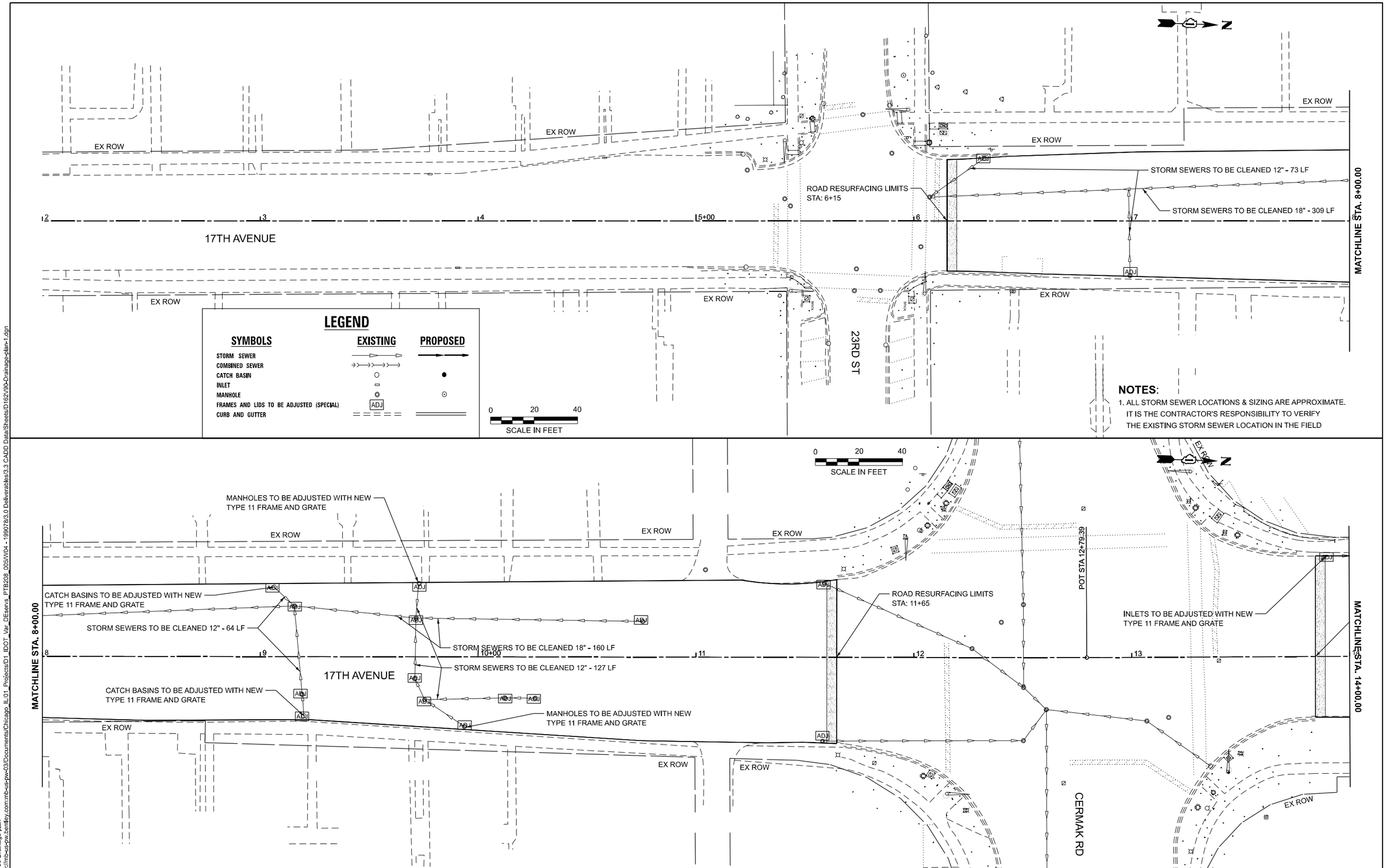
USER NAME = Jaime.Rivera	DESIGNED - CEL	REVISED -	
	DRAWN - MFK	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - WJT	REVISED -	
PLOT DATE = 10/17/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING PLAN
17TH AVE (23RD ST TO MADISON ST)

SCALE: 1"=20' | SHEET 12 OF 12 SHEETS | STA. 0+00.00 TO STA. 10+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	25
		CONTRACT NO. 62V90		
	ILLINOIS	FED. AID PROJECT		



MODEL: D162V90-Drainage-plan
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-Drainage-plan-1.dgn

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USER NAME = Winson.Teng	DESIGNED - CJR	REVISED -	
	DRAWN - CJR	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - TP	REVISED -	
PLOT DATE = 11/26/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

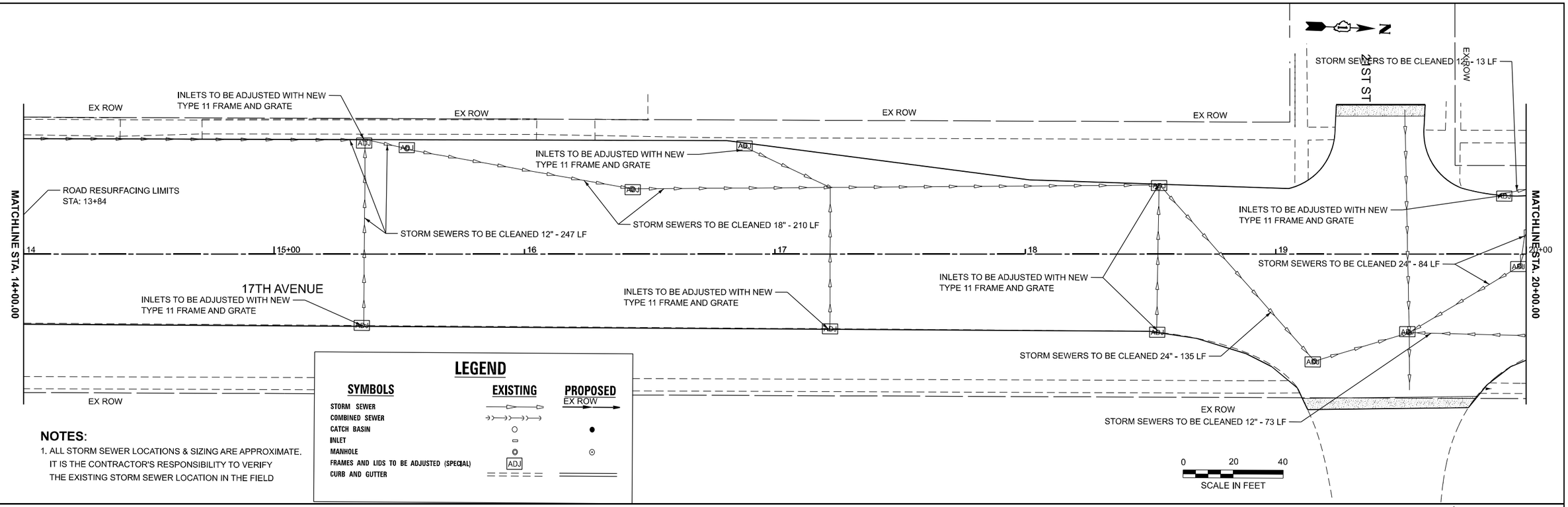
DRAINAGE PLAN
17TH AVE (23RD ST TO MADISON ST)

SCALE: 1"=20' | SHEET 1 OF 10 SHEETS | STA. 2+00.00 TO STA. 14+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	26

CONTRACT NO. 62V90

ILLINOIS | FED. AID PROJECT

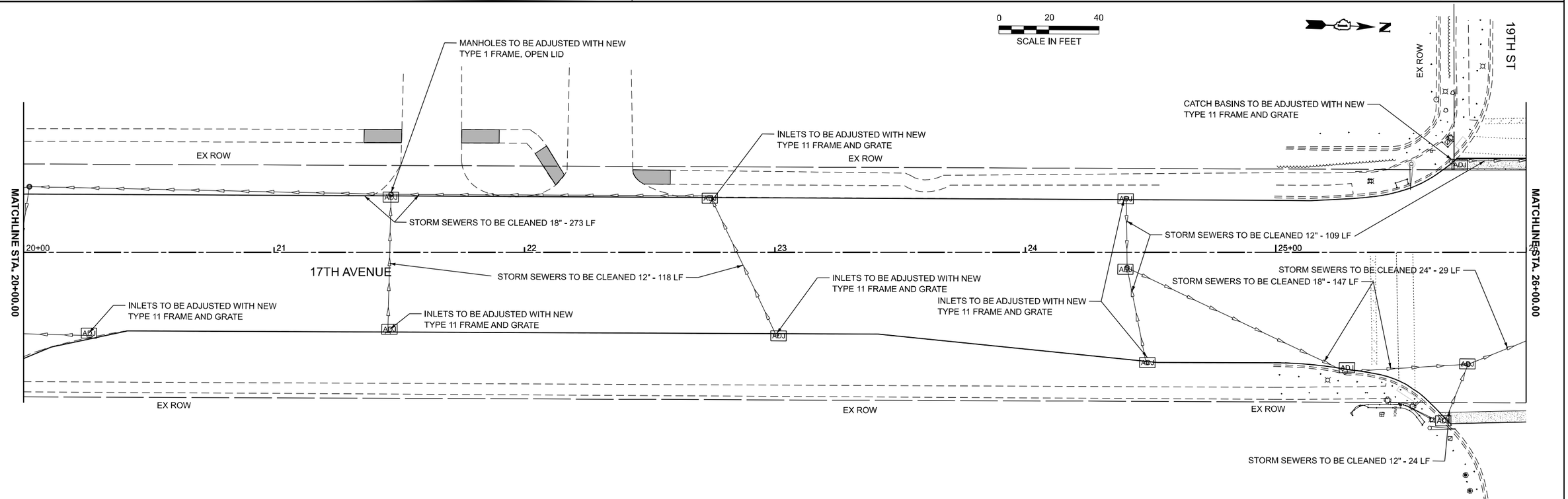


LEGEND

SYMBOLS	EXISTING	PROPOSED
STORM SEWER		EX ROW
COMBINED SEWER		
CATCH BASIN		
INLET		
MANHOLE		
FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	ADJ	
CURB AND GUTTER		

NOTES:

1. ALL STORM SEWER LOCATIONS & SIZING ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXISTING STORM SEWER LOCATION IN THE FIELD



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Phone: (312) 707-8770 • MBAKERINTL.COM

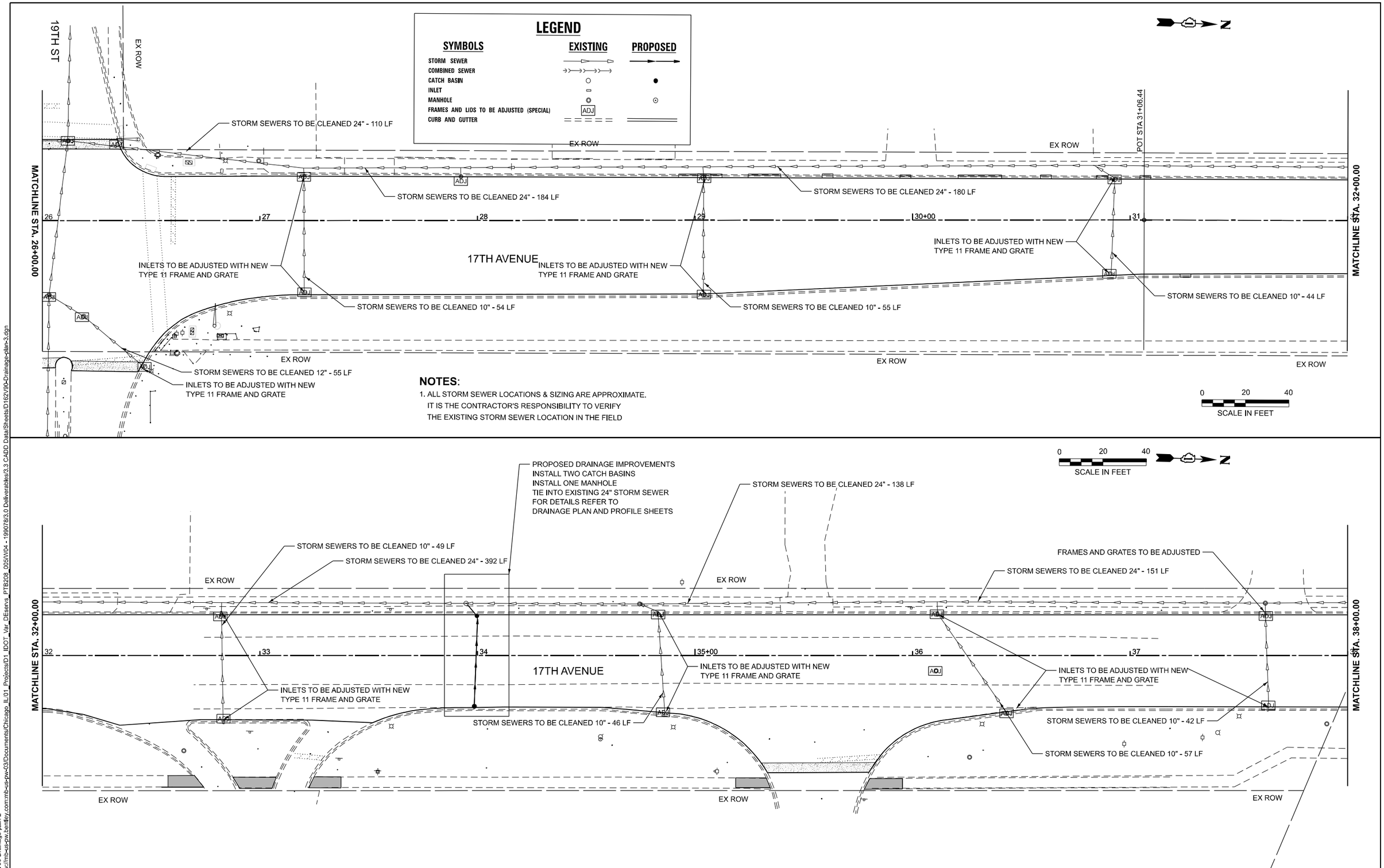
USER NAME = Winson.Teng	DESIGNED - CJR	REVISED -	
	DRAWN - CJR	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - TP	REVISED -	
PLOT DATE = 11/26/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN
17TH AVE (23RD ST TO MADISON ST)

SCALE: 1"=20' | SHEET 2 OF 10 SHEETS | STA. 14+00.00 TO STA. 26+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	27
		CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	



NOTES:

1. ALL STORM SEWER LOCATIONS & SIZING ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXISTING STORM SEWER LOCATION IN THE FIELD

MODEL: D162V90-Drainage-plan-2
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-Drainage-plan-3.dgn

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USER NAME = Winson.Teng	DESIGNED - CJR	REVISED -	
	DRAWN - CJR	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - TP	REVISED -	
PLOT DATE = 11/26/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

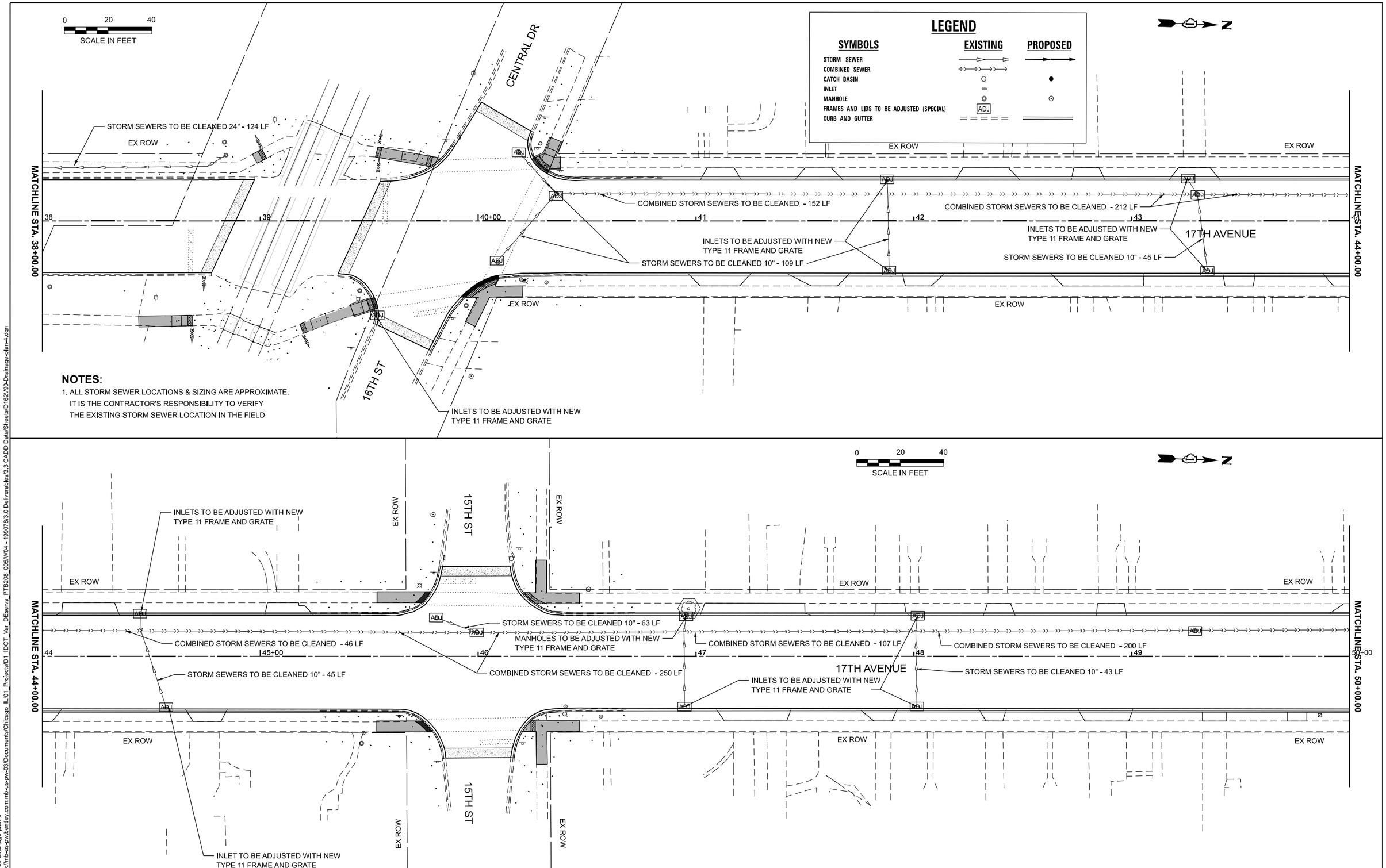
DRAINAGE PLAN
17TH AVE (23RD ST TO MADISON ST)

SCALE: 1"=20' | SHEET 3 OF 10 SHEETS | STA. 26+00.00 TO STA. 38+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	28

CONTRACT NO. 62V90

ILLINOIS | FED. AID PROJECT



MODEL: D162V90-Drainage-plan-3
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-Drainage-plan-4.dgn

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USER NAME = Winson.Teng	DESIGNED - CJR	REVISED -	
	DRAWN - CJR	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - TP	REVISED -	
PLOT DATE = 11/26/2024	DATE - 06/15/2024	REVISED -	

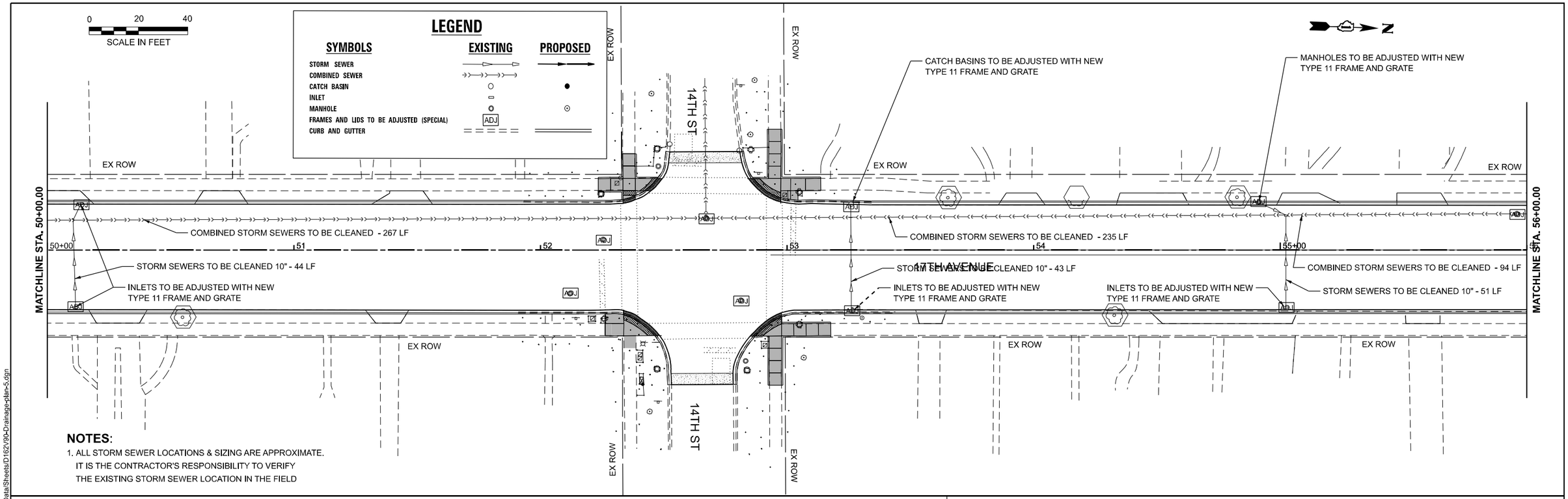
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN
17TH AVE (23RD ST TO MADISON ST)

SCALE: 1"=20' | SHEET 4 OF 10 SHEETS | STA. 38+00.00 TO STA. 50+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	29

CONTRACT NO. 62V90
ILLINOIS | FED. AID PROJECT



MODEL: D162V90-Drainage-plan-4
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Michael Baker INTERNATIONAL
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Phone: (312) 707-8770 • MBAKERINTL.COM

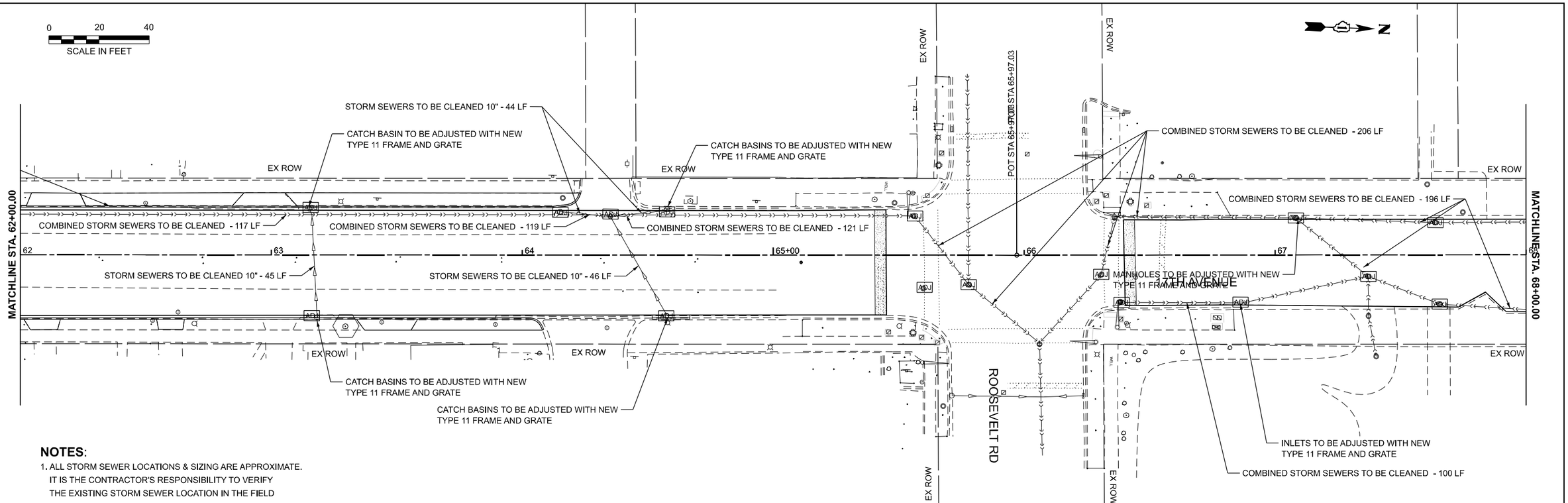
USER NAME = Winson.Teng	DESIGNED - CJR	REVISED -	
	DRAWN - CJR	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - TP	REVISED -	
PLOT DATE = 11/26/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN
17TH AVE (23RD ST TO MADISON ST)

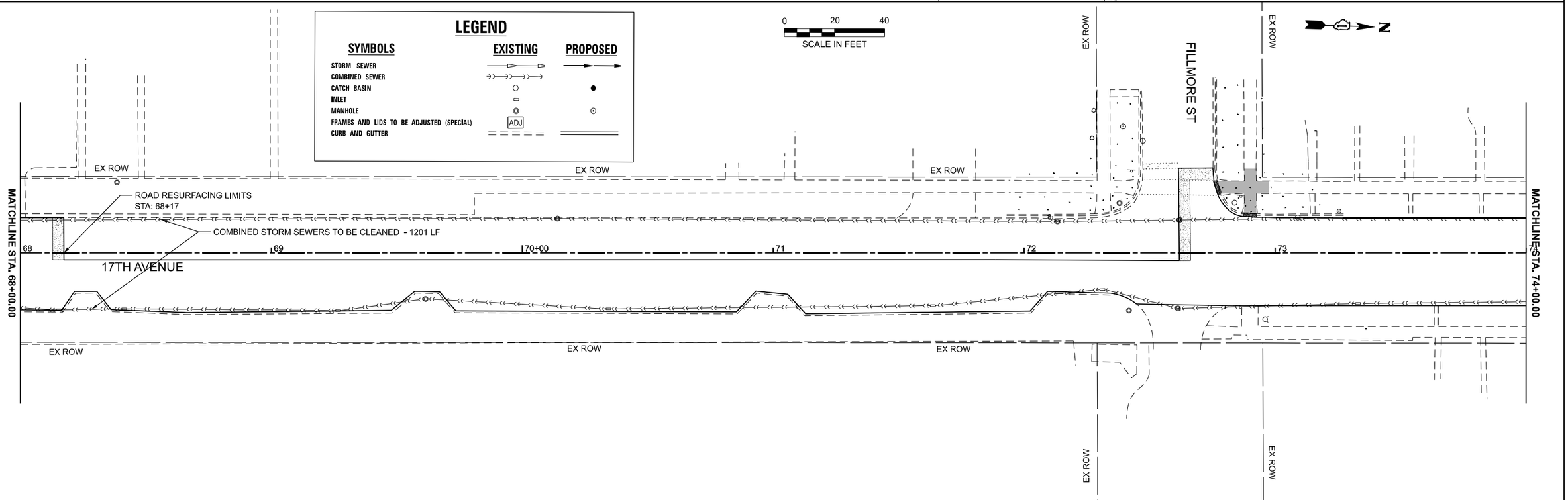
SCALE: 1"=20' | SHEET 5 OF 10 SHEETS | STA. 50+00.00 TO STA. 62+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	30
		CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	



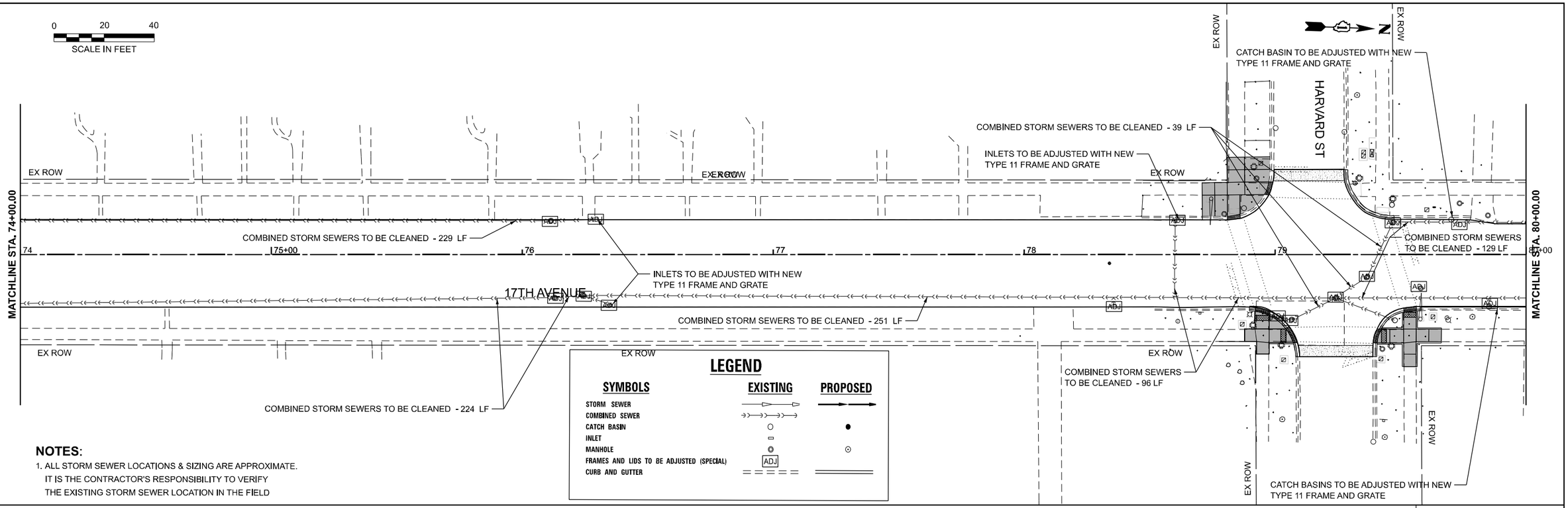
NOTES:

1. ALL STORM SEWER LOCATIONS & SIZING ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXISTING STORM SEWER LOCATION IN THE FIELD



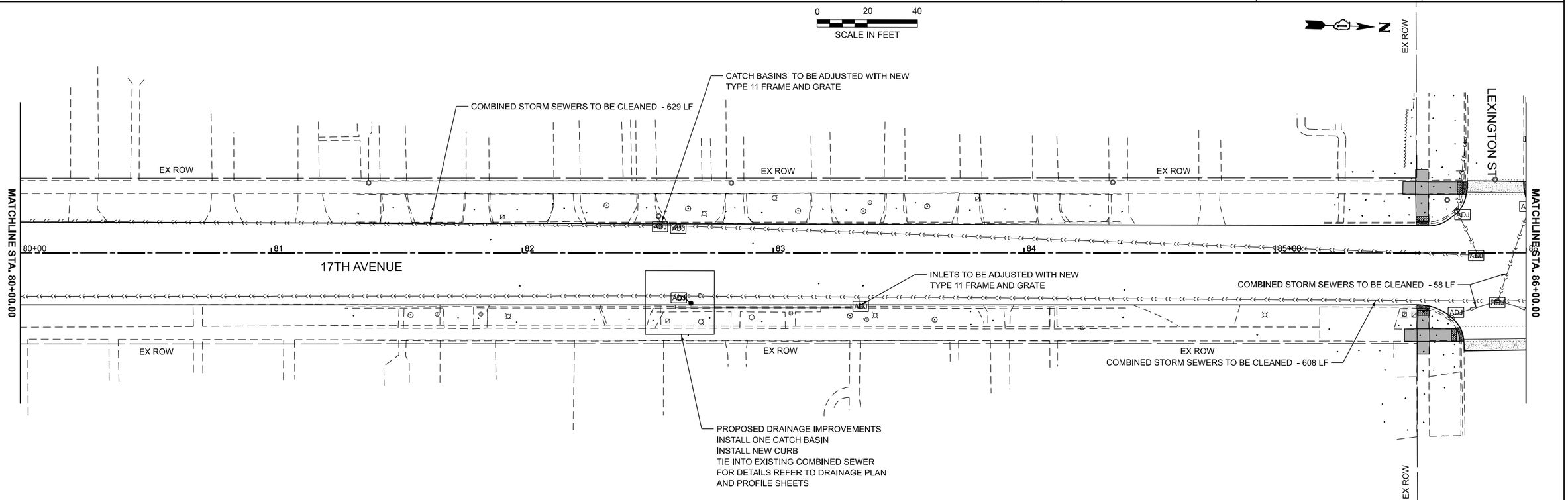
Michael Baker INTERNATIONAL 200 West Adams Street, Suite 1800, Chicago, IL 60606 Phone: (312) 707-8770 • MBAKERINTL.COM	USER NAME = Winson.Teng	DESIGNED - CJR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PLAN 17TH AVE (23RD ST TO MADISON ST)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - CJR	REVISED -			2722	FAU 2722 23 SMART	COOK	97	31
	PLOT SCALE = 0.16666633 ' / in.	CHECKED - TP	REVISED -					CONTRACT NO. 62V90		
	PLOT DATE = 11/26/2024	DATE - 06/15/2024	REVISED -		SCALE: 1"=20' SHEET 6 OF 10 SHEETS STA. 62+00.00 TO STA. 74+00.00			ILLINOIS FED. AID PROJECT		

MODEL: D162V90-Drainage-plan-5
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 1990782.0 Deliverables/3.3 CADD Data/Sheets/D162V90-Drainage-plan-6.dgn



NOTES:

1. ALL STORM SEWER LOCATIONS & SIZING ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXISTING STORM SEWER LOCATION IN THE FIELD



MODEL: D162V90-Drainage-plan-6
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEserv_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-Drainage-plan-7.dgn

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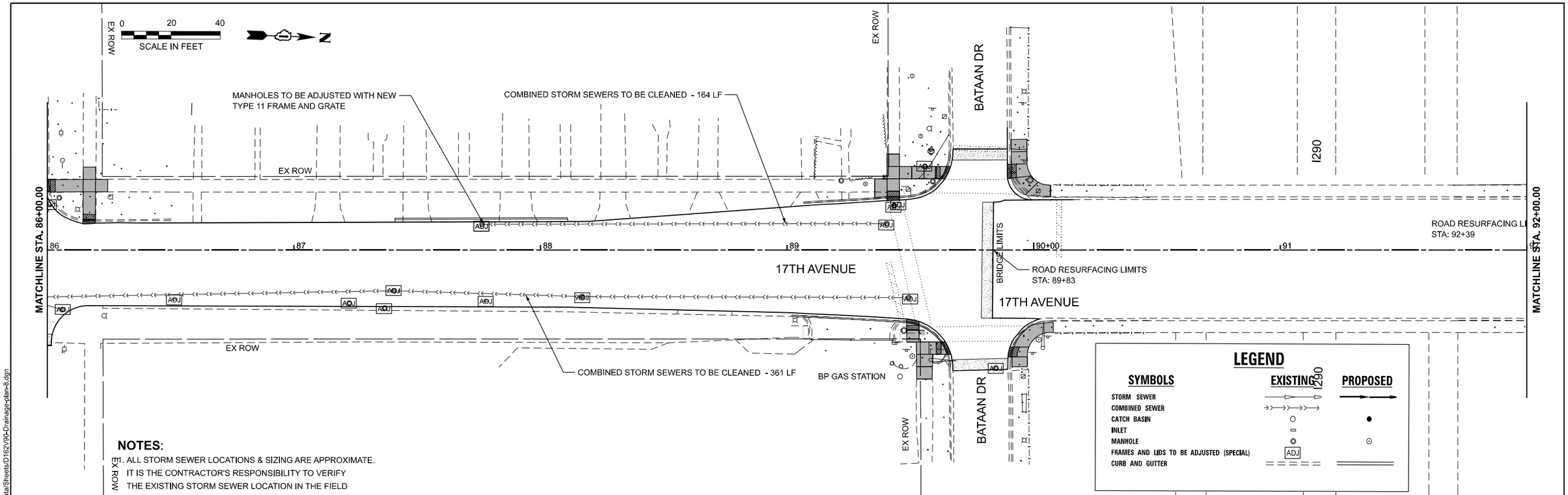
USER NAME = Winson.Teng	DESIGNED - CJR	REVISED -	
	DRAWN - CJR	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - TP	REVISED -	
PLOT DATE = 11/26/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN
17TH AVE (23RD ST TO MADISON ST)

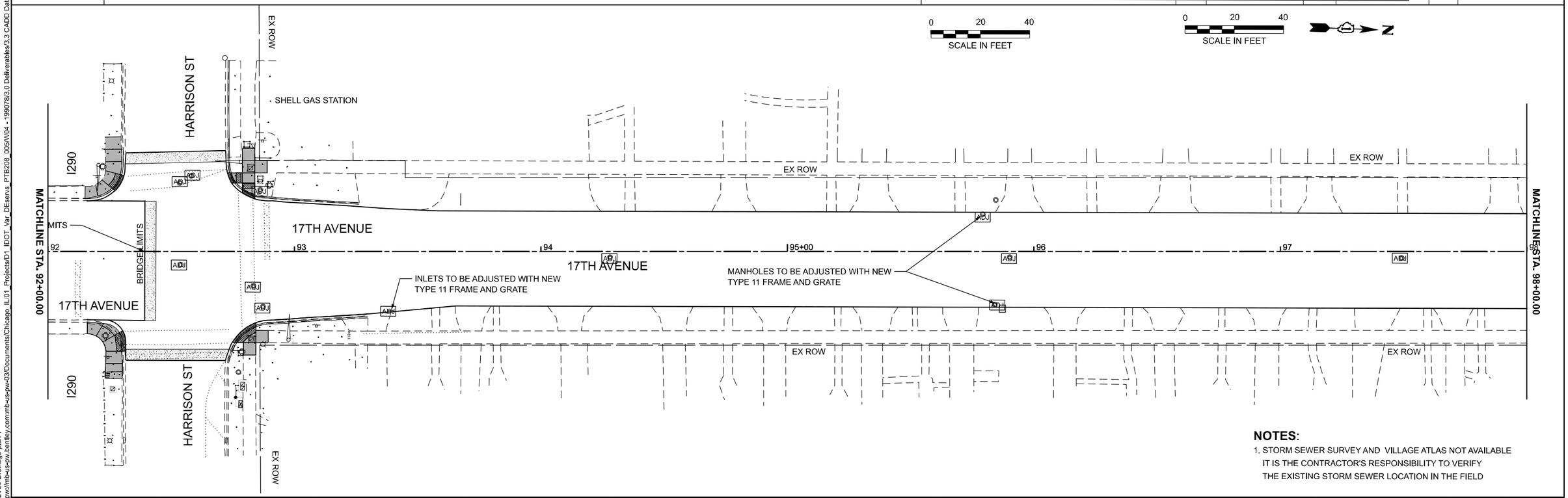
SCALE: 1"=20' | SHEET 7 OF 10 SHEETS | STA. 74+00.00 TO STA. 86+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	32
		CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	



NOTES:

1. ALL STORM SEWER LOCATIONS & SIZING ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXISTING STORM SEWER LOCATION IN THE FIELD



NOTES:

1. STORM SEWER SURVEY AND VILLAGE ATLAS NOT AVAILABLE IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXISTING STORM SEWER LOCATION IN THE FIELD

MODEL: D162V90-Drainage-plan-7
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEserve_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-Drainage-plan-8.dgn

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Phone: (312) 707-8770 • MBAKERINTL.COM

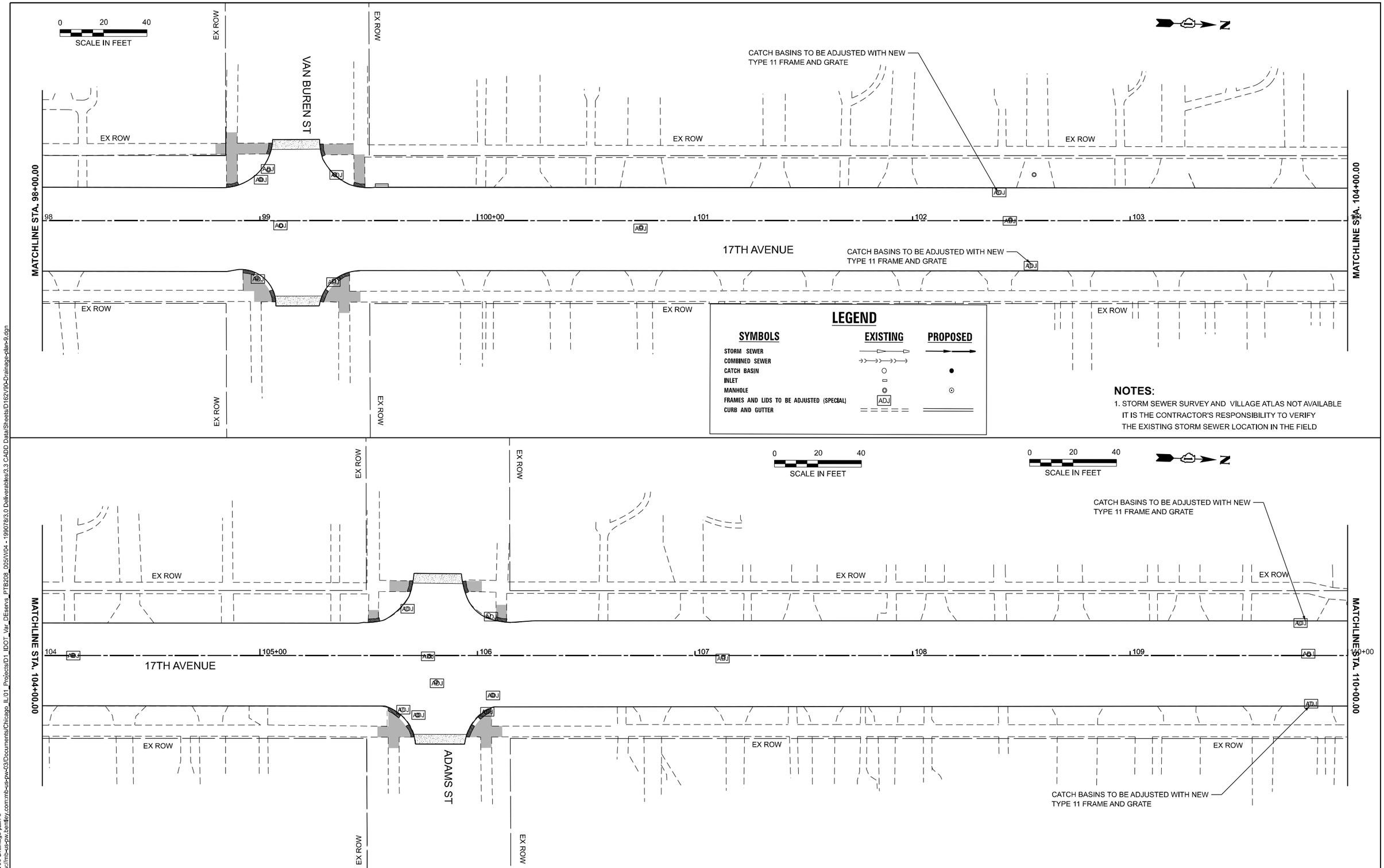
USER NAME = Winson.Teng	DESIGNED - CJR	REVISED -	
	DRAWN - CJR	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - TP	REVISED -	
PLOT DATE = 11/26/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN
17TH AVE (23RD ST TO MADISON ST)

SCALE: | SHEET 8 OF 10 SHEETS | STA. 86+00.00 TO STA. 98+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	33
		CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	



MODEL: D162V90-Drainage-plan-8
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INTERNATIONAL
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Phone: (312) 707-8770 • MBAKERINTL.COM

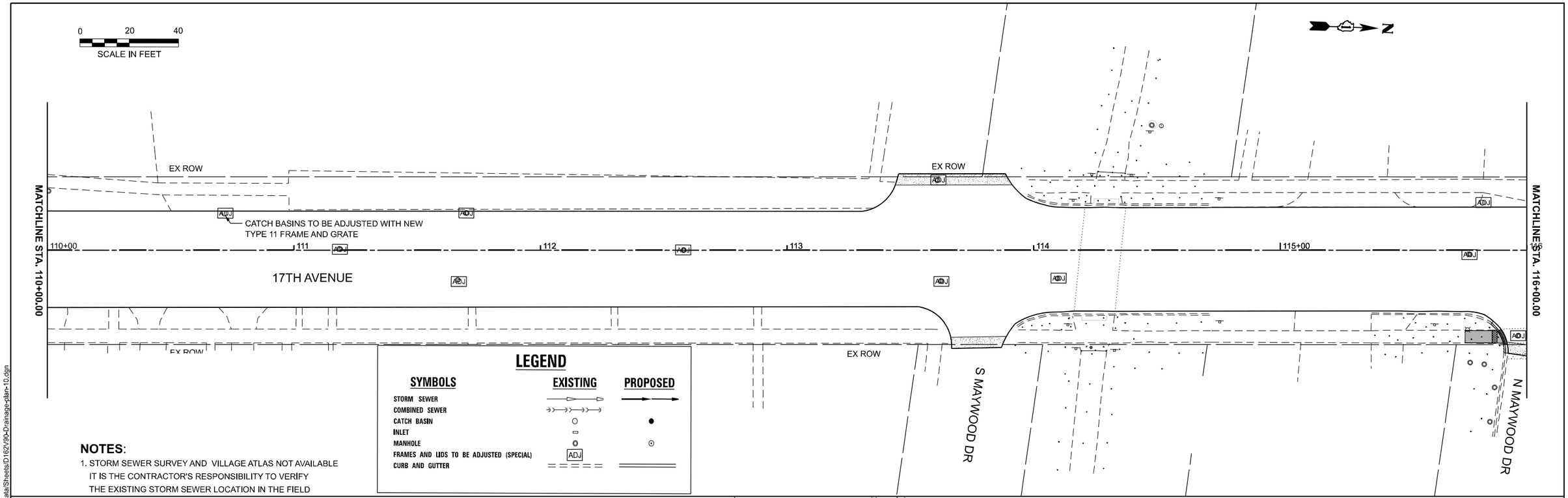
USER NAME = Winson.Teng	DESIGNED - CJR	REVISED -	
	DRAWN - CJR	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - TP	REVISED -	
PLOT DATE = 11/26/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN
17TH AVE (23RD ST TO MADISON ST)

SCALE: 1"=20' | SHEET 9 OF 10 SHEETS | STA. 98+00.00 TO STA. 110+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	34
		CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	

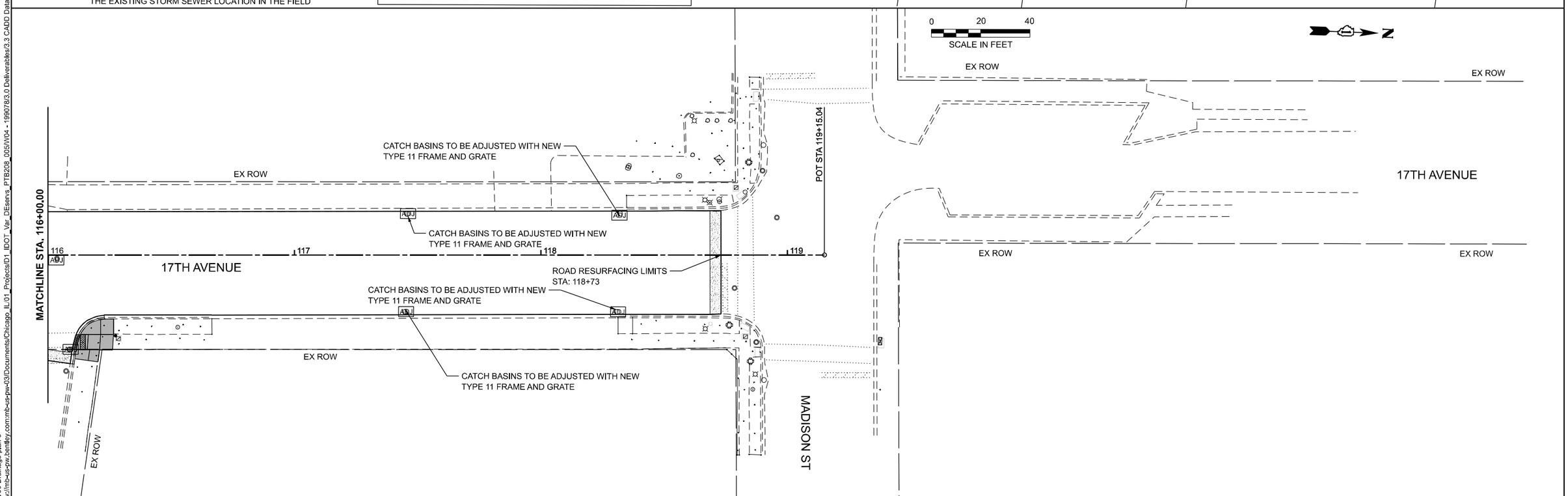


LEGEND

SYMBOLS	EXISTING	PROPOSED
STORM SEWER		
COMBINED SEWER		
CATCH BASIN		
INLET		
MANHOLE		
FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	ADJ	
CURB AND GUTTER		

NOTES:

1. STORM SEWER SURVEY AND VILLAGE ATLAS NOT AVAILABLE IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXISTING STORM SEWER LOCATION IN THE FIELD



MODEL: D162V90-Drainage-plan-9
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago, IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-Drainage-plan-10.dgn

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USER NAME = Winson.Teng	DESIGNED - CJR	REVISED -	
	DRAWN - CJR	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - TP	REVISED -	
PLOT DATE = 11/26/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

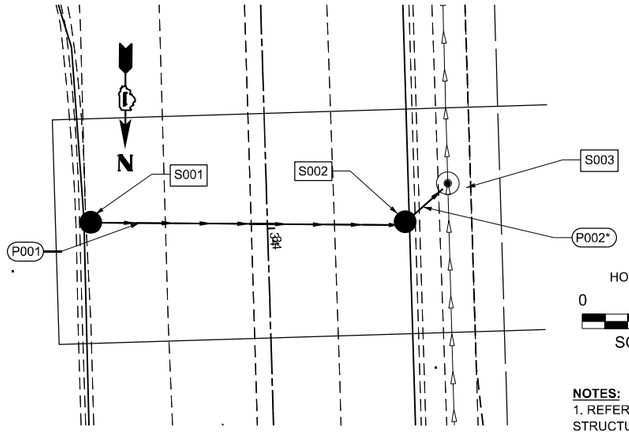
DRAINAGE PLAN
17TH AVE (23RD ST TO MADISON ST)

SCALE: 1"=20' | SHEET 10 OF 10 SHEETS | STA. 110+00.00 TO STA. 122+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	35

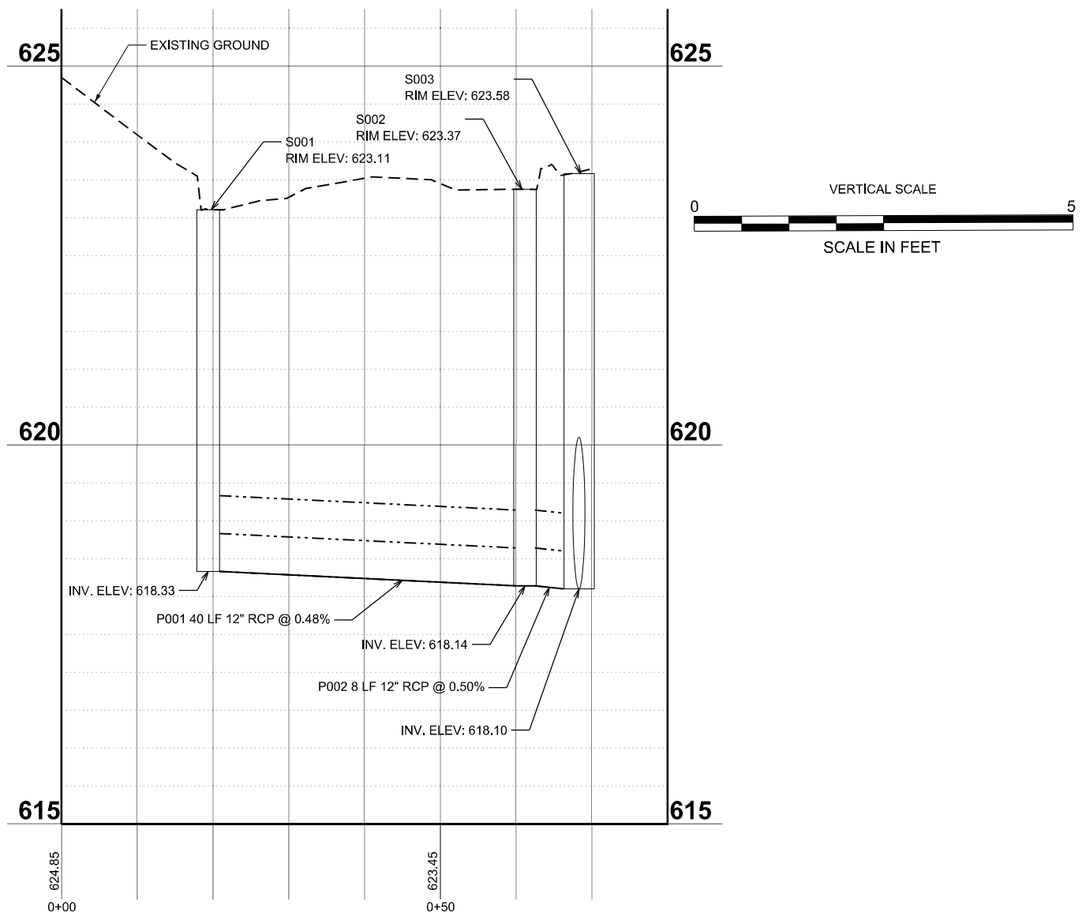
CONTRACT NO. 62V90

ILLINOIS | FED. AID PROJECT

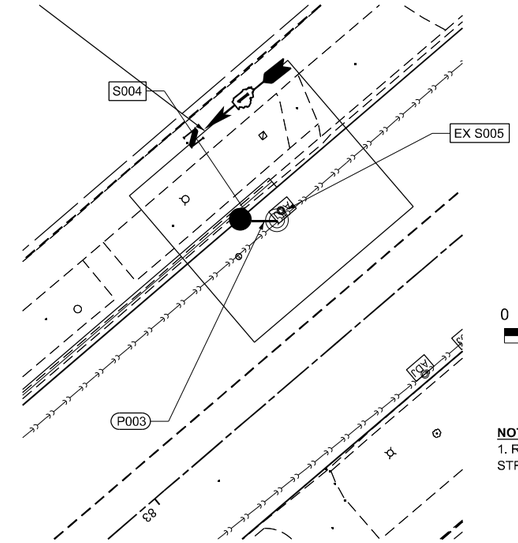


HORIZONTAL SCALE
0 20 40
SCALE IN FEET

NOTES:
1. REFER TO THE STORM SEWER AND STRUCTURE SCHEDULES FOR DETAILS

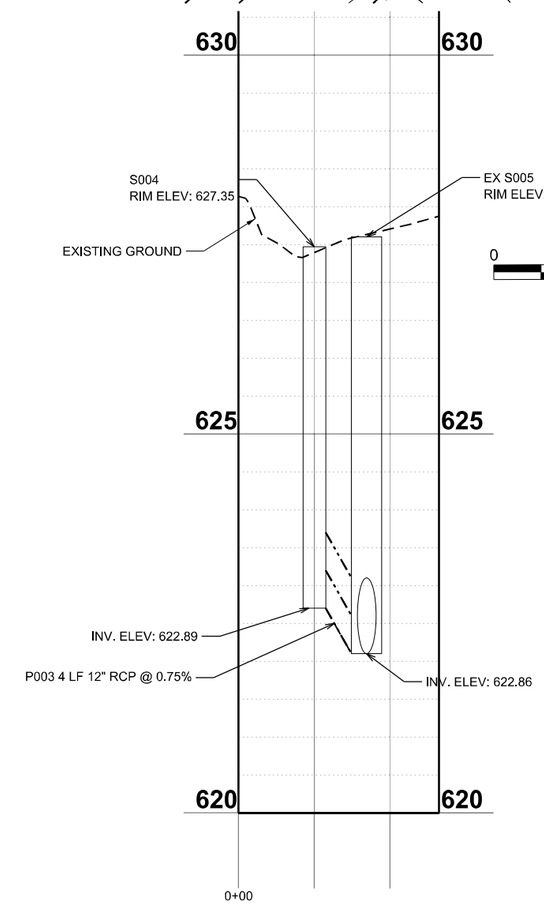


VERTICAL SCALE
0 5
SCALE IN FEET



HORIZONTAL SCALE
0 20 40
SCALE IN FEET

NOTES:
1. REFER TO THE STORM SEWER AND STRUCTURE SCHEDULES FOR DETAILS



VERTICAL SCALE
0 5
SCALE IN FEET

MODEL: Broadview - Plan 1 [Sheet]
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-Drainage-Profile-01

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USER NAME = Jaime.Rivera	DESIGNED - CJR	REVISED -	
	DRAWN - CJR	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - TP	REVISED -	
PLOT DATE = 10/16/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE IMPROVEMENTS
PLAN AND PROFILE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	36
		CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	

TRENCH BACKFILL									
PAYITEM NO: 20800150									
PIPE NO	PIPE SIZE	US RIM	US INVERT	DS RIM	DS INVERT	AVERAGE DEPTH (FT)	IDOT TBF TABLE VALUE	LENGTH (FT)	BACKFILL TOTAL (CU. YD)
P001	12"	623.11	618.33	623.37	618.14	5.0	0.696	40	27.84
P002	12"	623.37	618.14	623.58	618.1	5.4	0.76	8	6.08
P003	12"	627.35	622.89	627.56	622.86	4.6	0.632	4	2.53
								TOTAL:	36.45

CATCHBASINS TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE			
PAYITEM NO: 60251500			
STATION	OFFSET	LT/RT	QTY
9+06	31.3	LT	1
9+20	27.1	RT	1
53+26	18.5	LT	1
61+44	24.2	RT	1
61+49	17.9	LT	1
63+15	17.8	LT	1
63+18	24	RT	1
64+57	17.7	LT	1
64+57	23.9	RT	1
79+70	14	LT	1
79+85	20.8	RT	1
82+55	10.8	LT	1
109+78	15.9	LT	1
109+83	22.2	RT	1
110+72	14	LT	1
117+45	22	RT	1
117+45	17.7	LT	1
118+31	16.2	LT	1
118+31	23	RT	1
		TOTAL	19

MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID			
PAYITEM NO: 60255700			
STATION	OFFSET	LT/RT	QTY
21+47	22.6	LT	1

MANHOLES TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE			
PAYITEM NO: 60256700			
STATION	OFFSET	LT/RT	QTY
9+73	32.7	LT	1
9+94	32.5	RT	1
54+91	19.2	LT	1
67+09	14.8	LT	1
87+76	10.5	LT	1
95+79	14.9	LT	1
95+84	21.6	RT	1
		TOTAL	7

FRAMES AND GRATES TO BE ADJUSTED			
PAYITEM NO: 60300105			
STATION	OFFSET	LT/RT	QTY
37+63	18.7	LT	1

INLETS TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE			
PAYITEM NO: 60261300			
STATION	OFFSET	LT/RT	QTY
13+90	46.1	LT	1
15+36	28.8	RT	1
15+36	45.7	LT	1
16+88	44.3	LT	1
17+22	30	RT	1
18+52	31	RT	1
18+53	27.9	LT	1
19+91	23.4	LT	1
20+26	34.3	RT	1
21+45	31.8	RT	1
22+74	21.9	LT	1
23+00	32.5	RT	1
24+40	21	LT	1
24+48	43.5	RT	1
26+45	67.8	RT	1
27+20	20.4	LT	1
27+20	33	RT	1
29+04	33.9	RT	1
29+04	19.6	LT	1
30+91	25.5	RT	1
30+94	18.8	LT	1
32+82	29.6	RT	1
32+82	18.8	LT	1
34+84	18.7	LT	1
34+85	26.6	RT	1
36+12	18.7	LT	1
36+43	26.2	RT	1
37+64	23.6	RT	1
39+54	43.1	RT	1
41+88	18.8	LT	1
41+88	24	RT	1
43+26	20.3	LT	1
43+35	24.1	RT	1
44+46	19.7	LT	1
44+57	24.2	RT	1
46+95	22.5	RT	1
48+01	21	RT	1
48+01	18.6	LT	1
50+11	23	RT	1
50+14	18.6	LT	1
53+26	24.3	RT	1
55+02	24.7	RT	1
56+67	23.5	RT	1
56+66	19.1	LT	1
58+19	19.1	LT	1
58+21	22.8	RT	1
60+35	23.2	RT	1
60+35	16.8	LT	1
76+29	13.9	LT	1
76+36	20.7	RT	1
78+60	16.9	LT	1
83+34	21.2	RT	1
93+39	24.5	RT	1
		TOTAL	53

FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)			
PAYITEM NO: X6030310			
STATION	OFFSET	LT/RT	QTY
6+33	29	LT	1
6+99	25.4	RT	1
9+16	23.2	LT	1
9+19	17.3	RT	1
9+71	17.2	LT	1
9+71	10.1	RT	1
9+75	19.7	RT	1
10+12	18.8	RT	1
10+26	18.5	LT	1
10+76	16.4	RT	1
11+58	38.5	RT	1
11+59	33.7	LT	1
15+53	41.7	LT	1
16+43	26	LT	1
19+15	42.8	RT	1
19+53	32.4	RT	1
19+98	5.4	RT	1
24+40	6.1	RT	1
25+28	46.6	RT	1
25+68	66.7	RT	1
25+70	35.8	LT	1
25+77	44.7	RT	1
26+04	34.6	RT	1
26+11	37.3	LT	1
26+18	44	RT	1
26+35	35.1	RT	1
27+93	20.1	LT	1
36+12	18.7	LT	1
40+09	18.4	RT	1
40+18	31.8	LT	1
40+36	12.5	LT	1
43+30	11.4	LT	1
45+82	17.4	LT	1
46+00	10.7	LT	1
49+29	11.9	LT	1
52+12	17.6	RT	1
52+25	4.3	LT	1
52+67	12.9	LT	1
52+81	20.4	RT	1
55+96	14.8	LT	1
59+09	22.3	LT	1
59+59	20.7	LT	1
59+31	14.6	LT	1
61+80	16.2	LT	1
64+14	17.8	LT	1
64+35	15.3	LT	1
65+56	15.6	LT	1
65+77	12.4	RT	1
66+31	8	RT	1
66+38	18.9	RT	1
67+38	8.9	RT	1
67+66	19.7	RT	1
67+63	12.9	LT	1
76+12	14	LT	1
76+12	17.2	RT	1
76+24	16.3	RT	1
78+36	16.9	LT	1
79+02	25.4	RT	1
79+07	26.04	RT	1
79+24	17.4	RT	1
79+37	9	RT	1
79+47	13	LT	1
79+57	13.7	RT	1
82+62	10.7	LT	1
85+70	25.8	RT	1
85+73	16.8	LT	1
85+81	0.4	RT	1

FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) (CONT.)			
PAYITEM NO: X6030310			
STATION	OFFSET	LT/RT	QTY
85+89	19.2	RT	1
86+01	18.8	LT	1
86+06	24.2	RT	1
86+52	19.6	RT	1
87+22	21.6	RT	1
87+37	22.9	RT	1
87+40	17	RT	1
87+76	10	LT	1
87+78	20.2	RT	1
88+16	18.9	RT	1
89+41	10.7	LT	1
89+44	17.3	LT	1
89+50	18.9	RT	1
89+55	33.9	LT	1
89+85	47.2	RT	1
92+54	5.4	RT	1
92+53	26.8	LT	1
92+59	30.9	LT	1
92+83	14.5	RT	1
92+86	22	RT	1
92+86	25	LT	1
94+28	2.3	RT	1
95+90	2.3	RT	1
97+49	2.6	RT	1
98+99	27.3	RT	1
99+03	22.7	LT	1
99+35	28.1	RT	1
99+35	21.1	LT	1
99+00	18.9	LT	1
99+10	2.3	RT	1
100+75	3	RT	1
102+45	0.5	LT	1
104+14	0	CENTER	1
105+66	24.9	RT	1
105+68	22.1	LT	1
105+72	27.5	RT	1
105+78	0.3	RT	1
105+81	12.2	RT	1
106+04	24.9	RT	1
106+06	18.5	LT	1
106+07	18.2	RT	1
107+13	0.8	RT	1
109+82	0.4	RT	1
111+18	0.6	RT	1
111+66	12	RT	1
111+69	15	LT	1
112+58	0	CENTER	1
113+61	28.4	LT	1
113+63	12.6	RT	1
114+11	11.5	RT	1
115+77	1.6	RT	1
115+82	18.3	LT	1
115+96	34.7	RT	1
116+04	1.4	RT	1
116+08	38.3	RT	1
		TOTAL	122

COMBINED SEWERS TO BE CLEANED			
PAYITEM NO: X0326801			
START STATION	END STATION	LT/RT	LENGTH (FT)
40+36	41+88	LT	152
41+88	43+31	LT	142
43+30	44+00	LT	70
44+00	44+46	LT	46
44+45	46+00	LT	155
46+00	46+95	LT	95
46+95	48+01	LT	107
48+01	50+00	LT	200
50+00	52+67	LT	267
52+67	55+02	LT	235
55+02	55+96	LT	94
55+96	56+66	LT	71
56+66	58+22	LT	156
58+21	59+32	LT	110
59+31	60+34	LT	104
60+34	61+44	LT	110
61+44	62+00	LT	57
62+00	63+16	LT	117
63+16	64+36	LT	119
64+36	65+56	LT	121
65+56 LT	65+78 RT	CROSS	35
65+78	66+07	RT	37
66+31	66+07	RT	37
66+37 LT	66+07 RT	CROSS	24
67+08	66+37	LT	73
66+37	68+00	LT	92
67+09 LT	68+00 RT	CROSS	104
66+39	67+37	RT	100
68+00	74+00	LT	600
68+00	74+00	RT	601
74+00	76+29	LT	229
74+00	76+24	RT	224
76+24	78+60	RT	251
78+60 LT	78+60 RT	CROSS	31
78+60	79+24	RT	65
79+02	79+377	RT	39
79+47	80+00	LT	53
79+24	80+00	RT	76
80+00	85+76	RT	608
80+00	85+89	LT	629
85+71	85+89	RT	18
85+89	86+01	CROSS	40
85+89	89+50	RT	361
87+76	89+41	LT	164
		TOTAL	7019

MODEL: Schedule-1 [Sheet]
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-Drainage-Schedule01.dgn

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USER NAME = Jaime.Rivera	DESIGNED - CJR	REVISED -	
	DRAWN - CJR	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - TP	REVISED -	
PLOT DATE = 10/16/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SCHEDULE

SCALE: | SHEET 1 OF 2 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	37
		CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	

STORM SEWERS TO BE CLEANED 10"			
PAYITEM NO: X5537700			
START STATION	END STATION	LT/RT	LENGTH (FT)
27+20	N/A	CROSS	54
29+04	N/A	CROSS	55
30+92	N/A	CROSS	44
32+82	N/A	CROSS	49
34+83	N/A	CROSS	46
36+47 LT	36+12 RT	CROSS	57
37+63	N/A	CROSS	42
40+09	40+36	CROSS	41
40+19	40+36	LT	26
41+88	CROSS	CROSS	42
43+26	43+30	LT	9
43+35 RT	43+30 LT	CROSS	36
44+45	44+45	LT	8
44+57 RT	44+45 LT	CROSS	37
45+82	46+00	LT	20
46+95	CROSS	CROSS	34
46+96	46+95	LT	9
48+01	CROSS	RT	35
48+01	48+01	LT	8
50+11	CROSS	CROSS	36
50+14	50+11	LT	8
53+27	CROSS	CROSS	37
53+27	53+27	LT	6
55+02	CROSS	CROSS	38
54+91	55+02	LT	13
56+66	56+66	LT	4
56+66	CROSS	CROSS	39
58+21	CROSS	CROSS	38
58+19	58+21	LT	5
59+08	59+31	LT	24
59+58	59+31	LT	28
60+34	CROSS	CROSS	41
61+44	CROSS	CROSS	41
61+49	61+44	LT	7
63+16	CROSS	CROSS	45
64+14	64+36	LT	21
64+58	64+36	LT	23
64+58 RT	64+36 LT	CROSS	46
		TOTAL	1152

DRAINAGE STRUCTURES TO BE CLEANED			
PAYITEM NO: Z0018500			
STATION	OFFSET	LT/RT	QTY
6+33	29	LT	1
9+06	31.3	LT	1
25+28	46.6	RT	1
25+70	35.8	LT	1
26+35	35.1	RT	1
53+26	18.5	LT	1
61+44	24.2	RT	1
61+49	17.9	LT	1
63+15	17.8	LT	1
63+18	24	RT	1
64+14	17.8	LT	1
64+57	17.7	LT	1
64+57	23.9	RT	1
79+70	14	LT	1
79+85	20.8	RT	1
82+55	10.8	LT	1
85+70	25.8	RT	1
85+73	16.8	LT	1
86+01	18.8	LT	1
105+66	24.9	RT	1
106+68	22.1	LT	1
106+04	24.9	RT	1
106+06	18.5	LT	1
109+78	15.9	LT	1
109+83	22.2	RT	1
110+72	14	LT	1
115+82	19.25	LT	1
117+45	22	RT	1
117+45	17.7	LT	1
118+31	16.2	LT	1
118+31	23	RT	1
		TOTAL	31

STORM SEWER SCHEDULE									
PIPE NO.	PIPE DESCRIPTION	PIPE SIZE	LENGTH	SLOPE	US INVERT	DS INVERT	START STRUCTURE	END STRUCTURE	PAYITEM NO.
P001	STORM SEWERS, CLASS A, TYPE 1 12"	12"	40	0.48%	618.33	618.14	S001	S002	550A0050
P002	STORM SEWERS, CLASS A, TYPE 1 12"	12"	8	0.50%	618.14	618.1	S002	S003	550A0050
P003	STORM SEWERS, CLASS A, TYPE 1 12"	12"	4	0.75%	622.89	622.86	S004	S005	550A0050

DRAINAGE STRUCTURE SCHEDULE										
PAYITEM NO.	STRUCTURE NO.	STATION	OFFSET	LT/RT	STRUCTURE TYPE	RIM ELEVATION	INVERT ELEVATION			
							NORTH	EAST	SOUTH	WEST
60211400	S001	33+99	23	RT	CATCH BASINS, TYPE D, 3'-DIAMETER, TYPE 11 FRAME AND GRATE	623.11				618.33 12"
60211400	S002	33+99	18	LT	CATCH BASINS, TYPE D, 3'-DIAMETER, TYPE 11 FRAME AND GRATE	623.37		618.14 12"		618.14 12" (SW)
60218400	S003	33+94	25	LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	623.58	618.10 24"	681.10 12" (NE)	618.10 24"	
60211400	S004	82+68	21	RT	CATCH BASINS, TYPE D, 3'-DIAMETER, TYPE 11 FRAME AND GRATE	627.35				622.89 12"
60255500	EX S005	82+62	17	RT	MANHOLES TO BE ADJUSTED	627.56	622.86 12" 622.86 6" (NE)	622.86 12" (NE)	622.86 12"	

STORM SEWERS TO BE CLEANED 12"			
PAYITEM NO: X5537800			
START STATION	END STATION	LT/RT	LENGTH (FT)
6+33	6+07	LT	32
6+99	CROSS	CROSS	41
9+06 LT	9+20 RT	CROSS	64
9+73 LT	10+26 RT	CROSS	127
14+90	15+36	LT	156
15+36	CROSS	CROSS	74
15+36	15+54	LT	17
20+26	19+53	RT	73
19+91	20+02	LT	13
21+45	CROSS	CROSS	56
23+01	22+74	CROSS	62
24+40 LT	24+40 RT	CROSS	28
24+48	24+40	RT	39
25+69	26+12	LT	42
25+7	25+77	RT	24
26+46	26+19	RT	36
26+19	26+04	LT	19
		TOTAL	903

STORM SEWERS TO BE CLEANED 24"			
PAYITEM NO: X5538200			
START STATION	END STATION	LT/RT	LENGTH (FT)
18+53 LT	19+15 RT	CROSS	95
19+15	19+53	RT	40
19+53	19+97	RT	52
19+97 RT	20+02 LT	CROSS	32
25+77	26+03	RT	29
26+11	27+20	LT	110
27+20	29+03	LT	184
29+03	30+84	LT	180
30+84	34+75	LT	392
34+75	36+12	LT	138
36+12	37+62	LT	151
37+62	38+84	LT	124
		TOTAL	1527

STORM SEWERS TO BE CLEANED 18"			
PAYITEM NO: X5538000			
START STATION	END STATION	LT/RT	LENGTH (FT)
9+16	6+07	LT	309
10+76	9+16	LT	160
15+54	16+42	LT	92
16+42	18+53	LT	210
21+48	20+02	LT	145
22+74	21+48	LT	128
24+41	25+28	RT	97
25+28	25+77	RT	50
		TOTAL	1191

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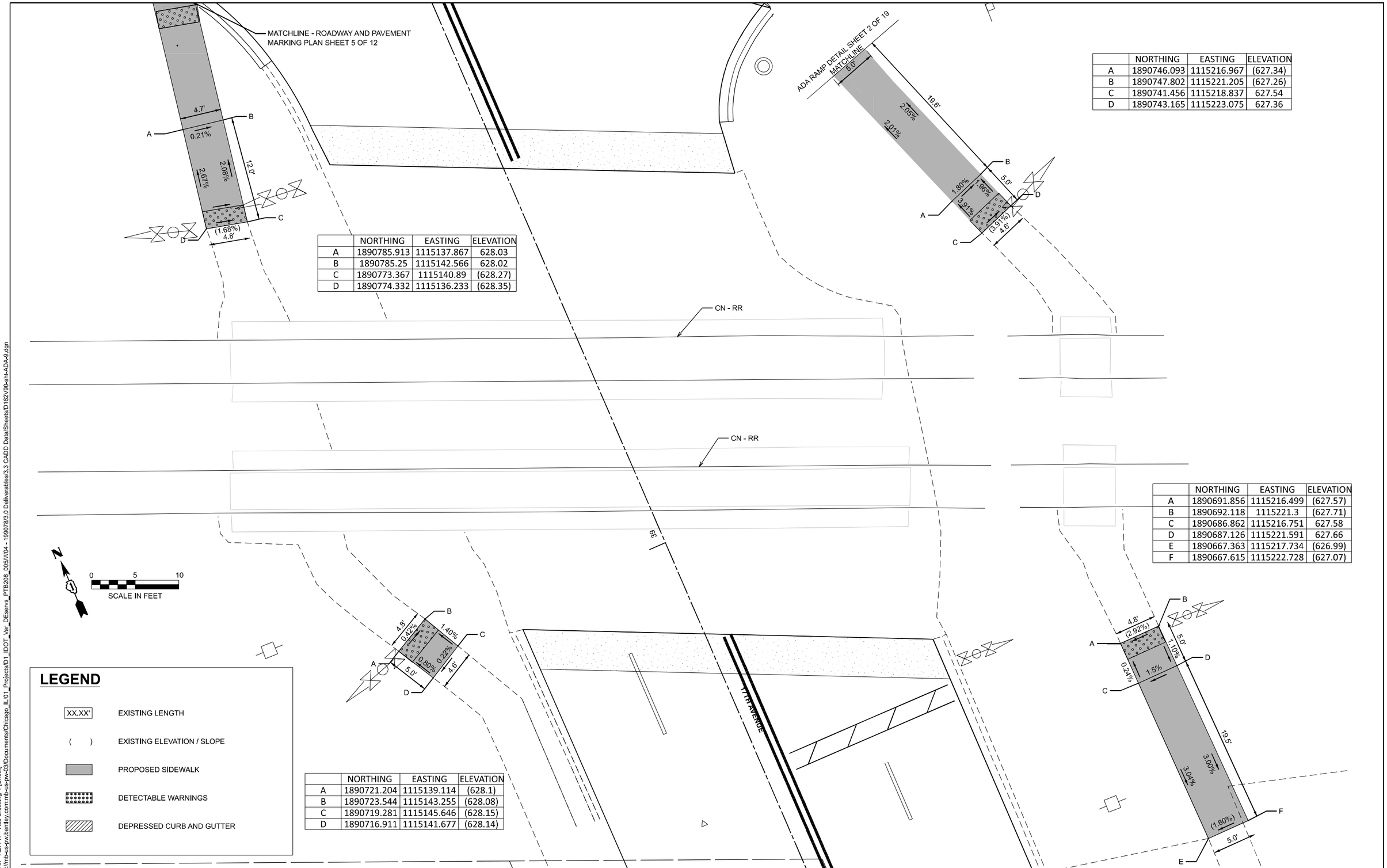
USER NAME = Jaime.Rivera	DESIGNED - CJR	REVISED -	
	DRAWN - CJR	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - TP	REVISED -	
PLOT DATE = 10/16/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SCHEDULE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	38
		CONTRACT NO. 62V90		
		ILLINOIS FED. AID PROJECT		



	NORTHING	EASTING	ELEVATION
A	1890746.093	1115216.967	(627.34)
B	1890747.802	1115221.205	(627.26)
C	1890741.456	1115218.837	627.54
D	1890743.165	1115223.075	627.36

	NORTHING	EASTING	ELEVATION
A	1890785.913	1115137.867	628.03
B	1890785.25	1115142.566	628.02
C	1890773.367	1115140.89	(628.27)
D	1890774.332	1115136.233	(628.35)

	NORTHING	EASTING	ELEVATION
A	1890691.856	1115216.499	(627.57)
B	1890692.118	1115221.3	(627.71)
C	1890686.862	1115216.751	627.58
D	1890687.126	1115221.591	627.66
E	1890667.363	1115217.734	(626.99)
F	1890667.615	1115222.728	(627.07)

	NORTHING	EASTING	ELEVATION
A	1890721.204	1115139.114	(628.1)
B	1890723.544	1115143.255	(628.08)
C	1890719.281	1115145.646	(628.15)
D	1890716.911	1115141.677	(628.14)

LEGEND

- XX.XX' — EXISTING LENGTH
- ( ) — EXISTING ELEVATION / SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER

MODEL: ADA 17th - ADA 17 - Rail Crossing-1 [Sheet]
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-sht-ADA-9.dgn

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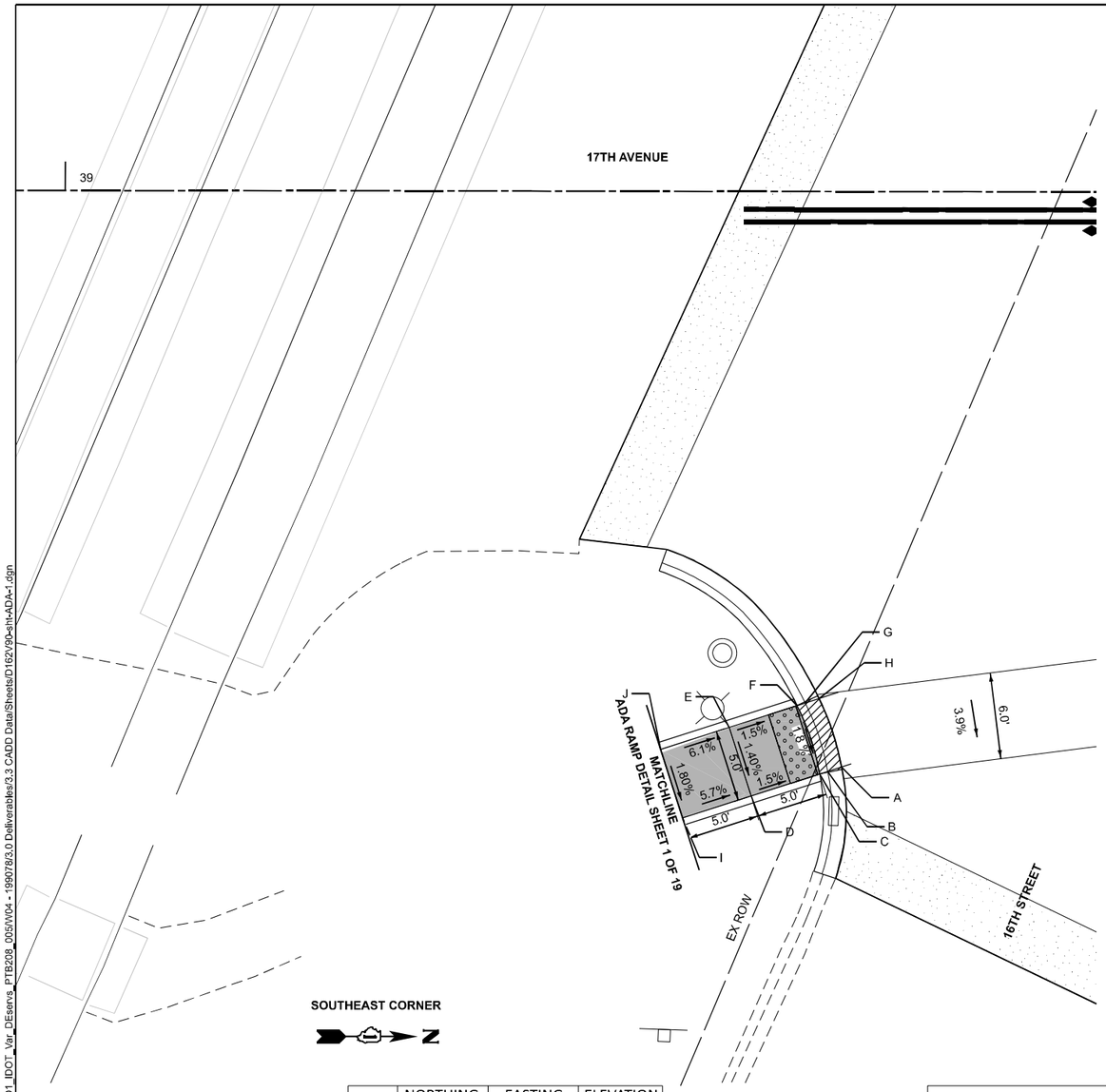
USER NAME =	DESIGNED - CEL	REVISED -	
	DRAWN - MFK	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - WJT	REVISED -	
PLOT DATE = 11/26/2024	DATE - 06/15/2024	REVISED -	

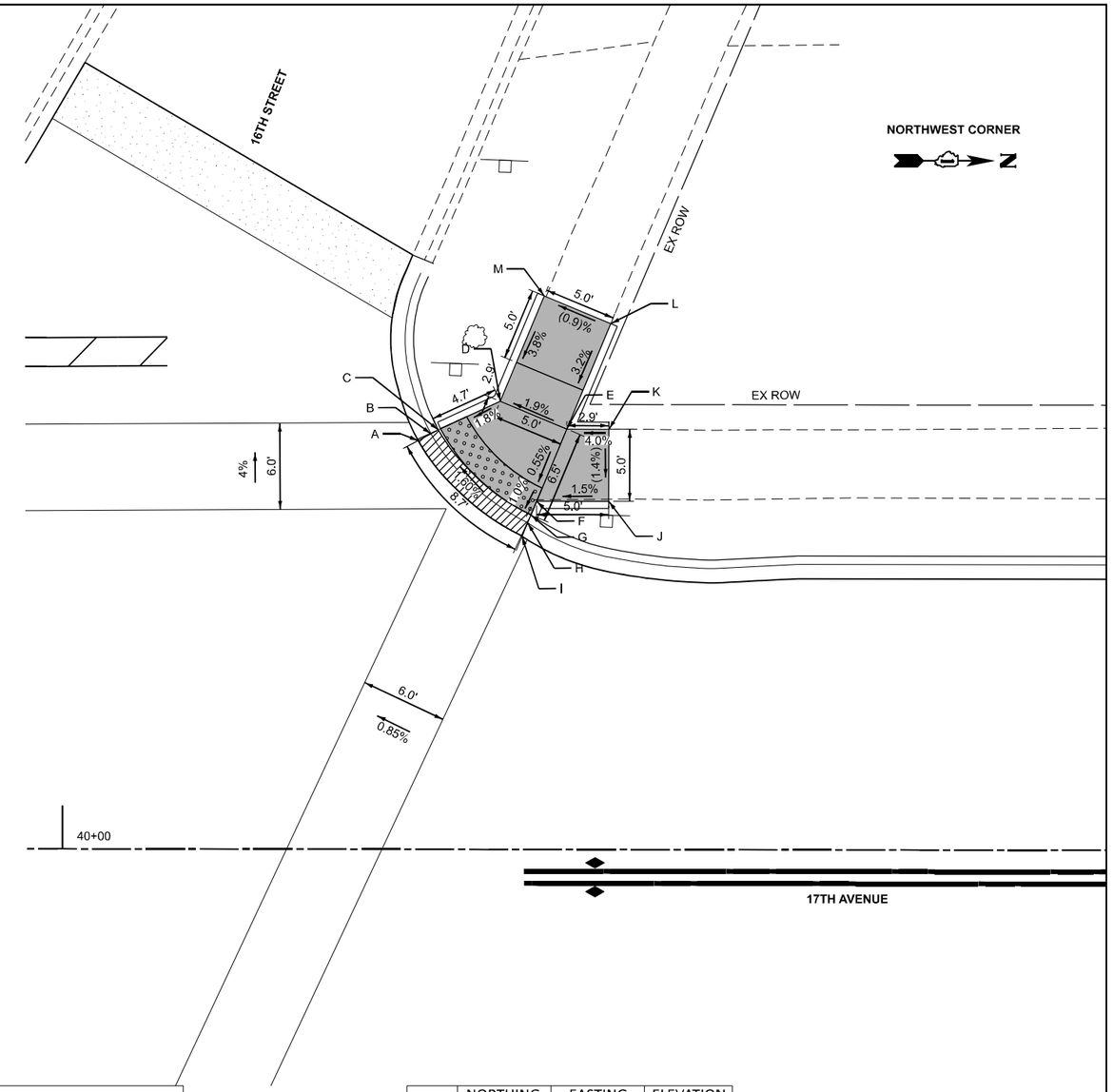
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
17TH AVE (23RD ST TO MADISON ST)

SCALE: 1"=5' | SHEET 1 OF 19 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	39
		CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	





	NORTHING	EASTING	ELEVATION
A	1890776.93	1115210.12	626.47
B	1890775.98	1115210.46	626.46
C	1890775.43	1115210.66	626.50
D	1890770.74	1115212.35	626.58
E	1890769.04	1115207.65	626.65
F	1890773.69	1115205.97	626.57
G	1890774.25	1115205.77	626.53
H	1890775.19	1115205.43	626.56
I	1890766.03	1115214.05	626.86
J	1890764.34	1115209.35	626.95

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER

0 5 10
SCALE IN FEET

	NORTHING	EASTING	ELEVATION
A	1890845.21	1115139.42	626.90
B	1890846.08	1115138.92	626.89
C	1890846.59	1115138.63	626.93
D	1890850.8	1115136.49	627.02
E	1890855.48	1115138.24	627.11
F	1890853.58	1115143.31	627.08
G	1890853.21	1115144.28	627.07
H	1890853	1115144.83	627.03
I	1890852.65	1115145.79	627.06
J	1890858.58	1115143.14	(627.16)
K	1890858.41	1115138.14	(627.23)
L	1890858.27	1115130.82	(627.36)
M	1890853.58	1115129.06	(627.32)

MODEL: ADA 17th - ADA 1 - 16th SE
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB209_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-sht-ADA-1.dgn

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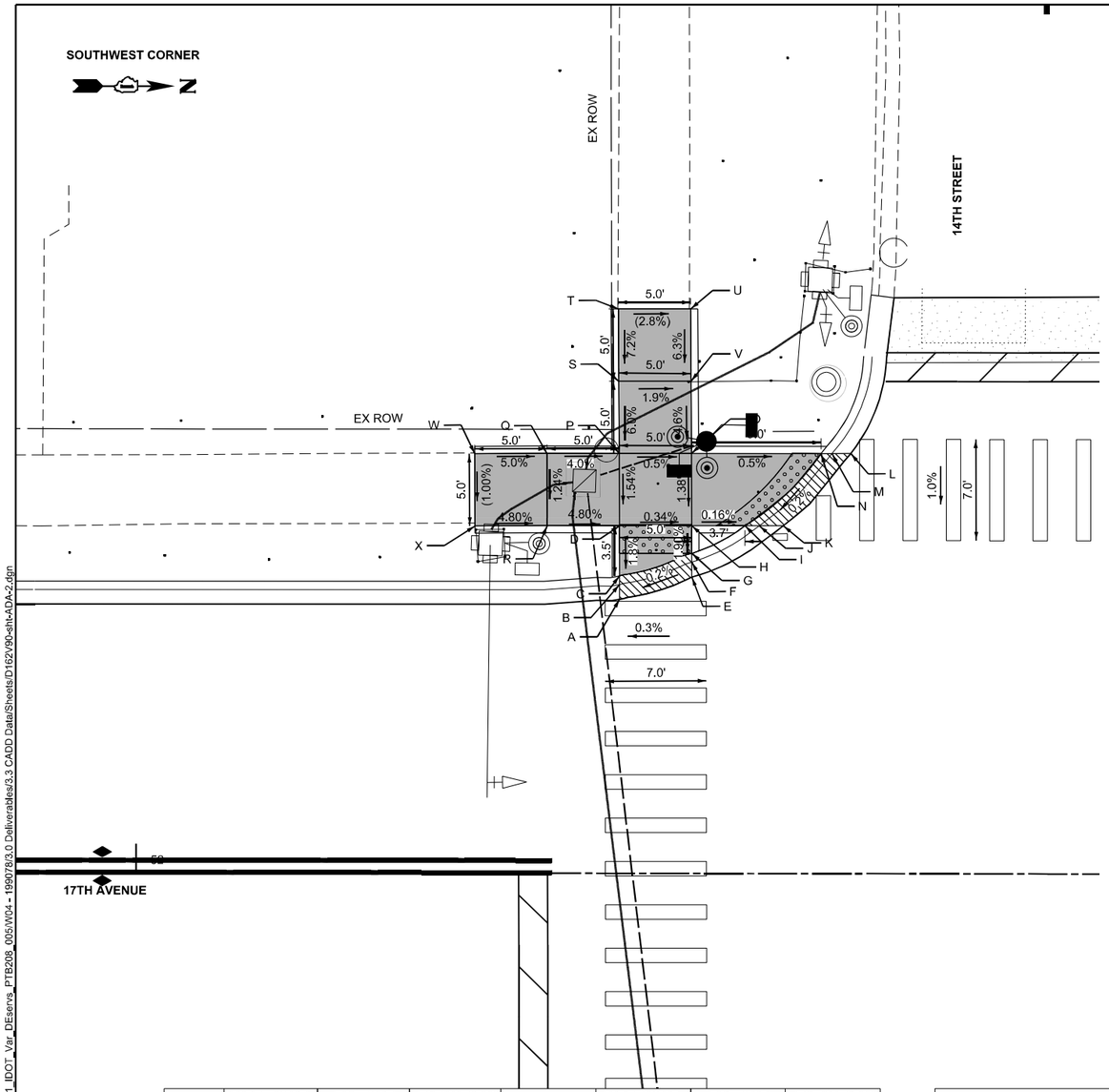
USER NAME =	DESIGNED - CEL	REVISED -	
	DRAWN - MFK	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - WJT	REVISED -	
PLOT DATE = 11/26/2024	DATE - 06/15/2024	REVISED -	

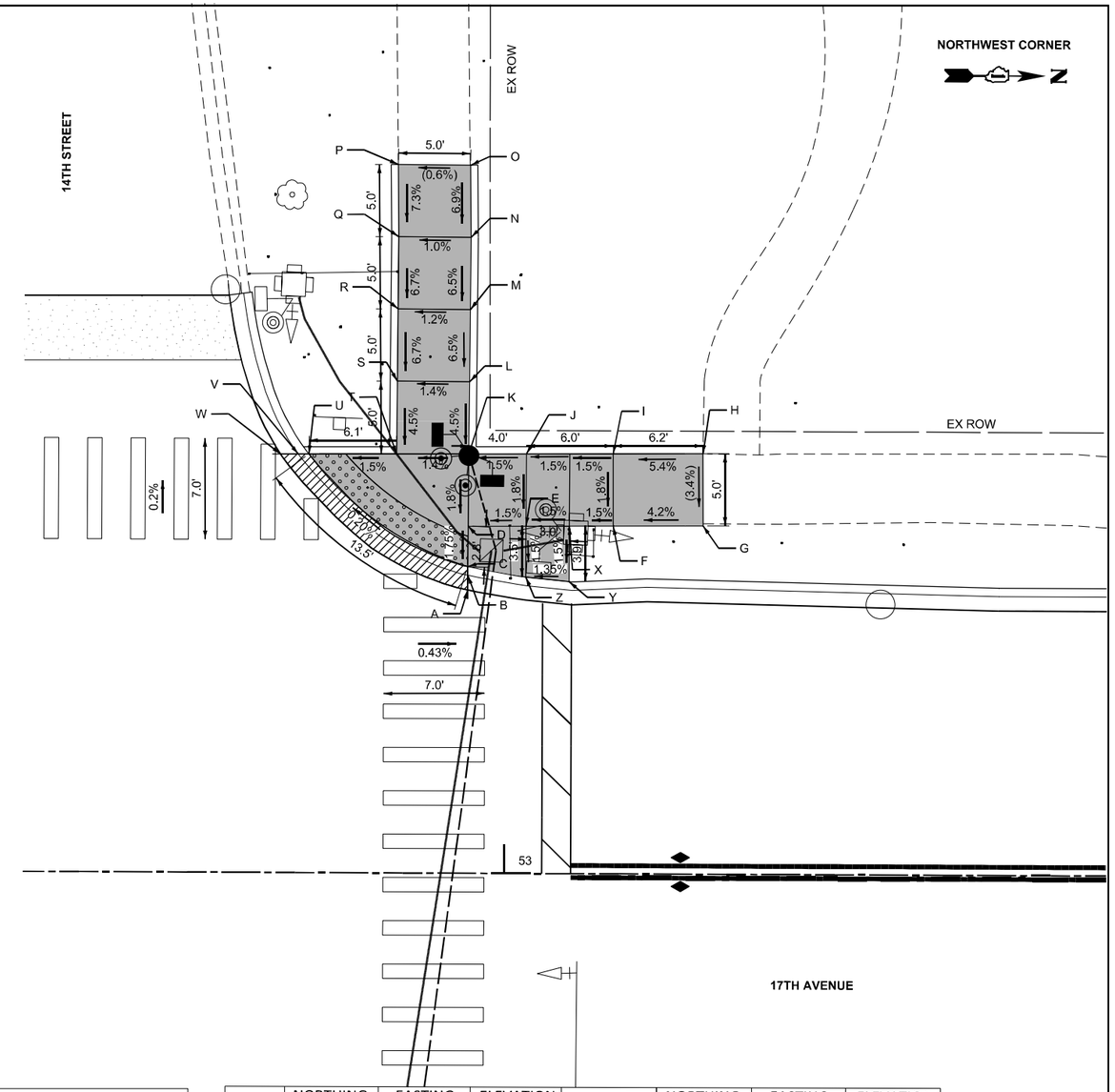
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
17TH AVE (23RD ST TO MADISON ST)

SCALE: 1"=5' | SHEET 2 OF 19 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	40
		CONTRACT NO. 62V90		
	ILLINOIS	FED. AID PROJECT		





	NORTHING	EASTING	ELEVATION		NORTHING	EASTING	ELEVATION
A	1892053.61	1115106.58	628.06	M	1892067.92	1115095.95	628.18
B	1892053.57	1115105.55	628.06	N	1892067.18	1115095.98	628.22
C	1892053.55	1115104.94	628.10	O	1892058.21	1115096.3	628.27
D	1892053.43	1115101.47	628.17	P	1892053.22	1115096.47	628.19
E	1892058.55	1115104.84	628.12	Q	1892048.22	1115096.65	628.44
F	1892058.51	1115103.8	628.12	R	1892048.43	1115101.65	628.41
G	1892058.49	1115103.19	628.16	S	1892053.01	1115091.48	628.57
H	1892058.42	1115101.29	628.20	T	1892052.8	1115086.48	(628.95)
I	1892062.1	1115101.16	628.19	U	1892057.79	1115086.31	(628.81)
J	1892063.09	1115101.12	628.15	V	1892058	1115091.3	628.52
K	1892064.75	1115101.06	628.17	W	1892043.22	1115096.86	(628.7)
L	1892069.22	1115095.9	628.19	X	1892043.43	1115101.86	(628.65)

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER

0 5 10
SCALE IN FEET

	NORTHING	EASTING	ELEVATION		NORTHING	EASTING	ELEVATION
A	1892117.51	1115103.67	628.07	N	1892116.78	1115079.26	629.13
B	1892117.47	1115102.65	628.05	O	1892116.55	1115074.27	(629.45)
C	1892117.45	1115102.05	628.09	P	1892111.55	1115074.42	(629.42)
D	1892117.37	1115099.26	628.14	Q	1892111.79	1115079.41	629.06
E	1892122.41	1115099.05	628.20	R	1892111.93	1115084.41	628.76
F	1892127.41	1115098.84	628.29	S	1892112.08	1115089.41	628.46
G	1892133.62	1115098.59	(628.55)	T	1892112.22	1115094.46	628.16
H	1892133.42	1115093.61	(628.72)	U	1892106.15	1115094.7	628.06
I	1892127.21	1115093.86	628.38	V	1892105.42	1115094.73	628.02
J	1892122.22	1115094.06	628.29	W	1892104.2	1115094.78	628.04
K	1892117.22	1115094.26	628.23	X	1892124.36	1115098.98	628.25
L	1892117.07	1115089.26	628.53	Y	1892124.51	1115102.82	628.19
M	1892116.93	1115084.26	628.83	Z	1892121.5	1115102.62	628.15

MODEL: ADA 17th - ADA 3 - 14th SW
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 1990780.0 Deliverables/3.3 CADD Data/Sheets/D162V90-sht-ADA-2.dgn

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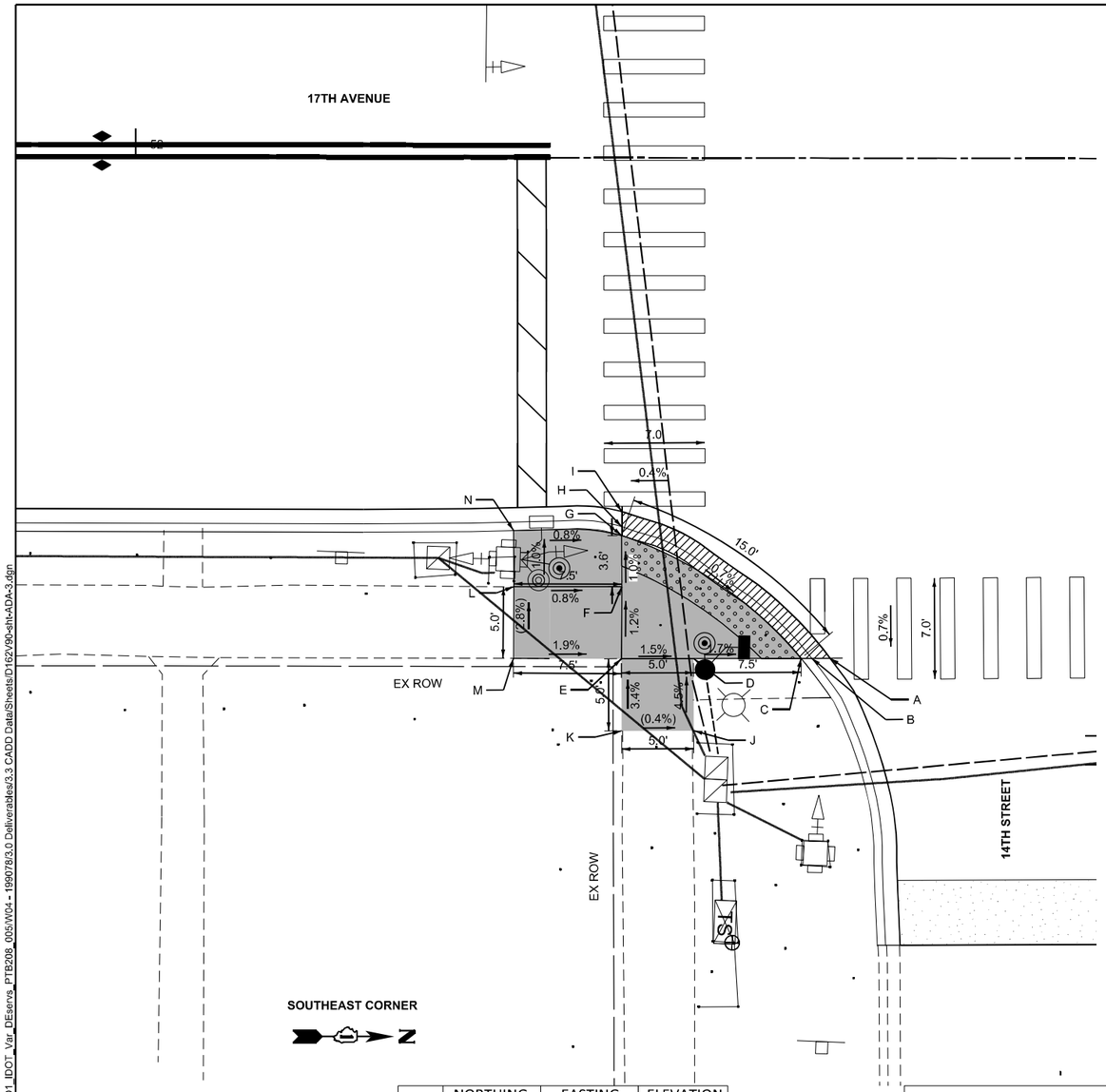
USER NAME = Jaime.Rivera	DESIGNED - CEL	REVISED -	
	DRAWN - MFK	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - WJT	REVISED -	
PLOT DATE = 10/17/2024	DATE - 06/15/2024	REVISED -	

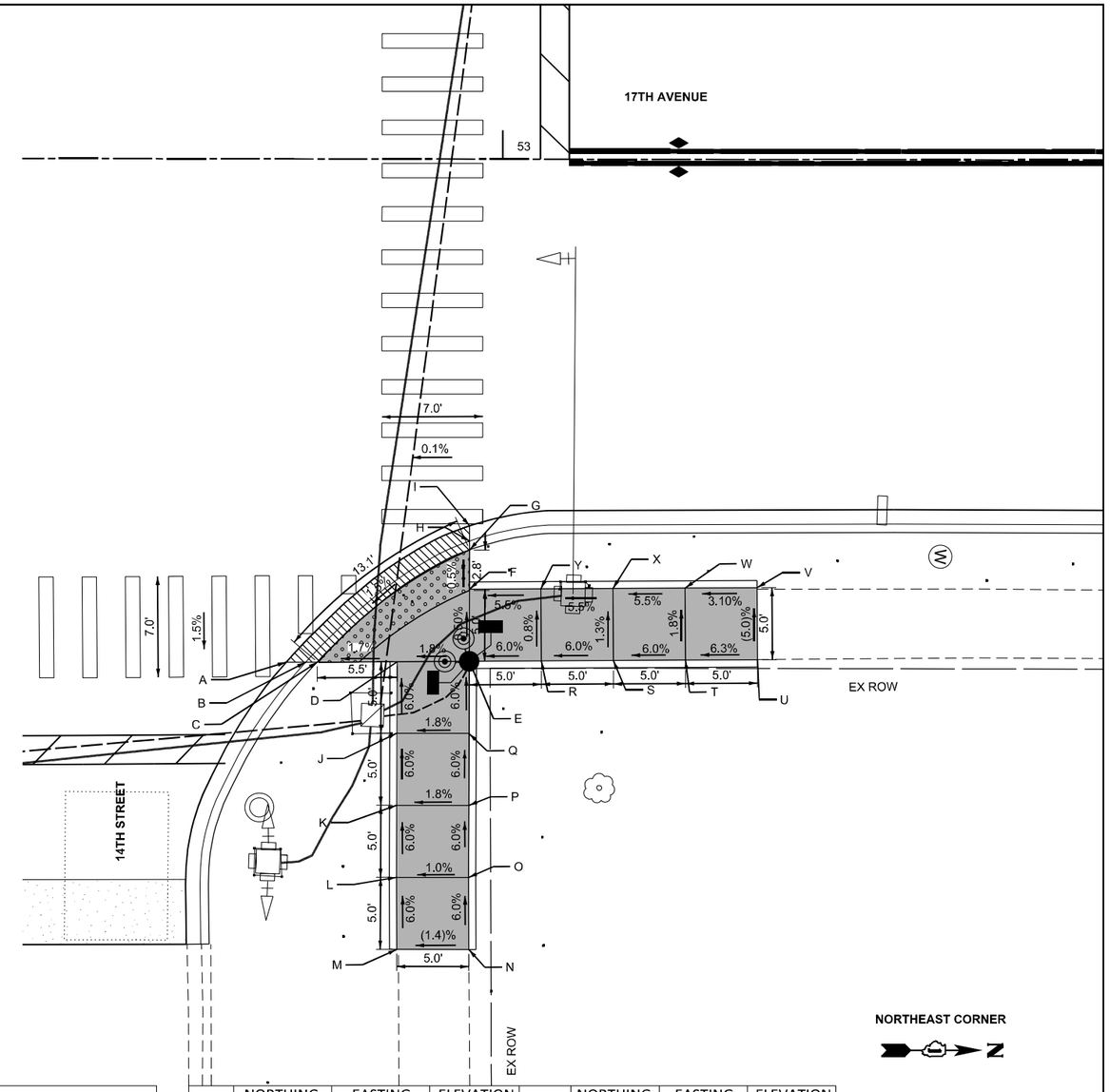
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
17TH AVE (23RD ST TO MADISON ST)

SCALE: 1"=5' | SHEET 3 OF 19 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	41
		CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	





	NORTHING	EASTING	ELEVATION
A	1892070.28	1115159.67	627.78
B	1892069.02	1115159.72	627.76
C	1892068.26	1115159.75	627.81
D	1892060.81	1115160.04	627.93
E	1892055.81	1115160.23	628.01
F	1892055.66	1115155.23	627.95
G	1892055.52	1115151.68	627.91
H	1892055.49	1115151.07	627.87
I	1892055.45	1115150.03	627.89
J	1892061.01	1115165.03	(628.16)
K	1892056.07	1115165.23	(628.18)
L	1892050.66	1115155.39	(628.00)
M	1892050.82	1115160.39	(628.12)

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER

0 5 10
SCALE IN FEET

	NORTHING	EASTING	ELEVATION		NORTHING	EASTING	ELEVATION
A	1892107.05	1115158.6	627.96	N	1892120.43	1115178.07	(629.35)
B	1892108.39	1115158.55	627.96	O	1892120.23	1115173.07	629.09
C	1892109.2	1115158.52	628.00	P	1892120.06	1115168.07	628.79
D	1892114.74	1115158.29	628.10	Q	1892119.9	1115163.08	628.49
E	1892119.73	1115158.08	628.19	R	1892124.73	1115157.87	628.53
F	1892119.56	1115153.08	628.21	S	1892129.72	1115157.66	628.83
G	1892119.47	1115150.36	628.19	T	1892134.72	1115157.45	629.13
H	1892119.45	1115149.74	628.15	U	1892139.71	1115157.24	(629.45)
I	1892119.41	1115148.68	628.20	V	1892139.5	1115152.25	(629.19)
J	1892114.9	1115163.25	628.40	W	1892134.51	1115152.46	629.03
K	1892115.07	1115168.24	628.74	X	1892129.51	1115152.67	628.75
L	1892115.33	1115173.23	629.04	Y	1892124.52	1115152.87	628.48
M	1892115.44	1115178.23	(629.3)				

MODEL: ADA 17th - ADA 6 - 14th NE
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-sht-ADA-3.dgn

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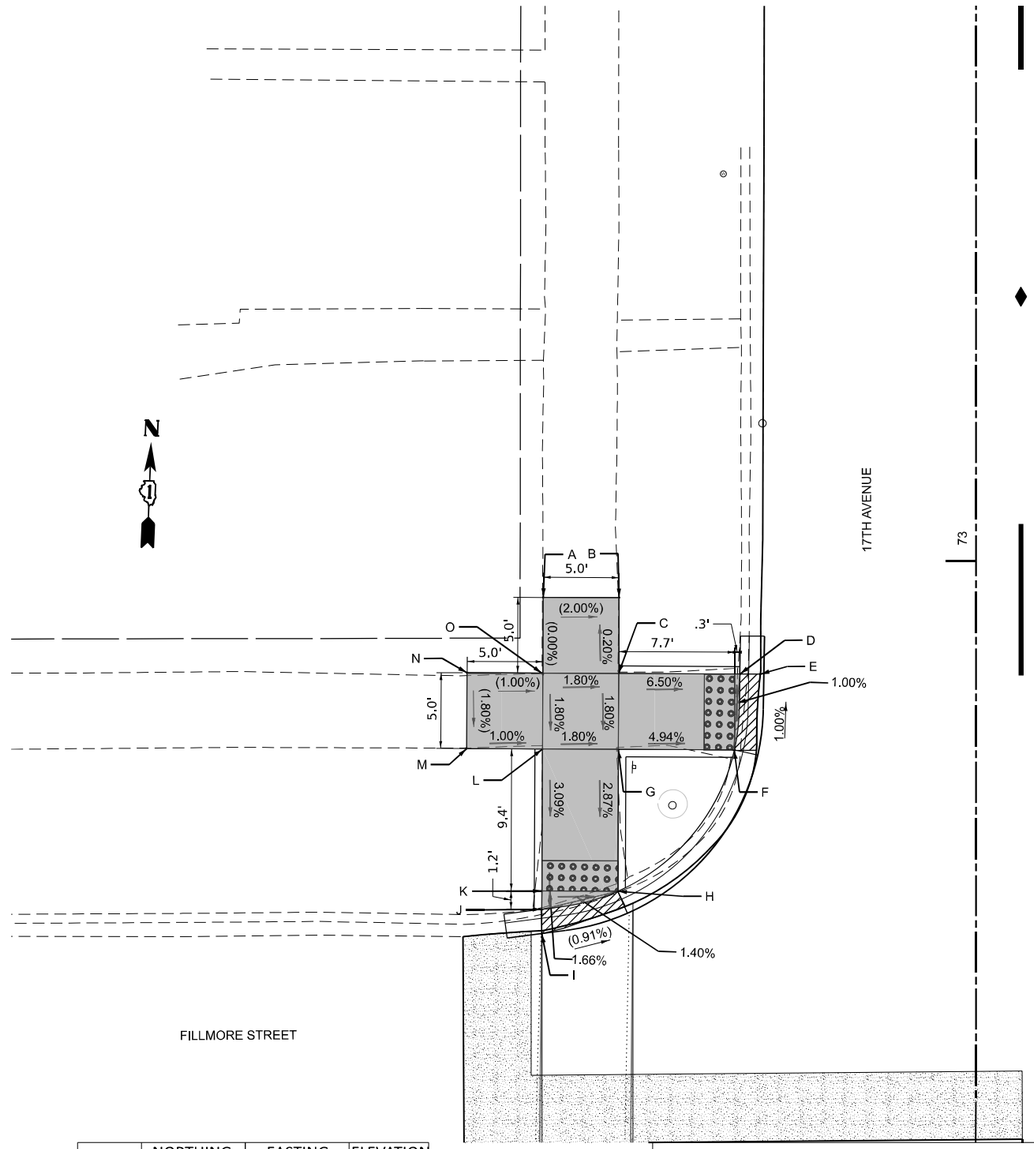
USER NAME = Jaime.Rivera	DESIGNED - CEL	REVISED -	
	DRAWN - MFK	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - WJT	REVISED -	
PLOT DATE = 10/17/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
17TH AVE (23RD ST TO MADISON ST)

SCALE: 1"=5' | SHEET 4 OF 19 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	42
		CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	



	NORTHING	EASTING	ELEVATION
A	1894116.056	1115023.848	(627.95)
B	1894116.217	1115028.845	(627.85)
C	1894111.219	1115029.005	627.86
D	1894111.475	1115037.003	627.34
E	1894111.518	1115038.347	(627.33)
F	1894106.467	1115036.816	627.39
G	1894106.222	1115029.166	627.77
H	1894096.856	1115029.466	627.50
I	1894093.883	1115024.558	(627.62)
J	1894095.479	1115024.507	627.55
K	1894096.695	1115024.468	627.57
L	1894106.062	1115024.168	627.86
M	1894105.942	1115019.169	(627.91)
N	1894110.899	1115019.011	(628.)
O	1894110.983	1115024.010	(627.95)

0 5 10
SCALE IN FEET

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER

MODEL: ADA2 - Filmore
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 1990789.0 Deliverables/3.3 CADD Data/Sheets/D162V90-sht-ADA-Area13-08.dgn

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USER NAME =	DESIGNED - CEL	REVISED -	
	DRAWN - MFK	REVISED -	
PLOT SCALE = 9.99998000 ' / in.	CHECKED - WJT	REVISED -	
PLOT DATE = 11/26/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

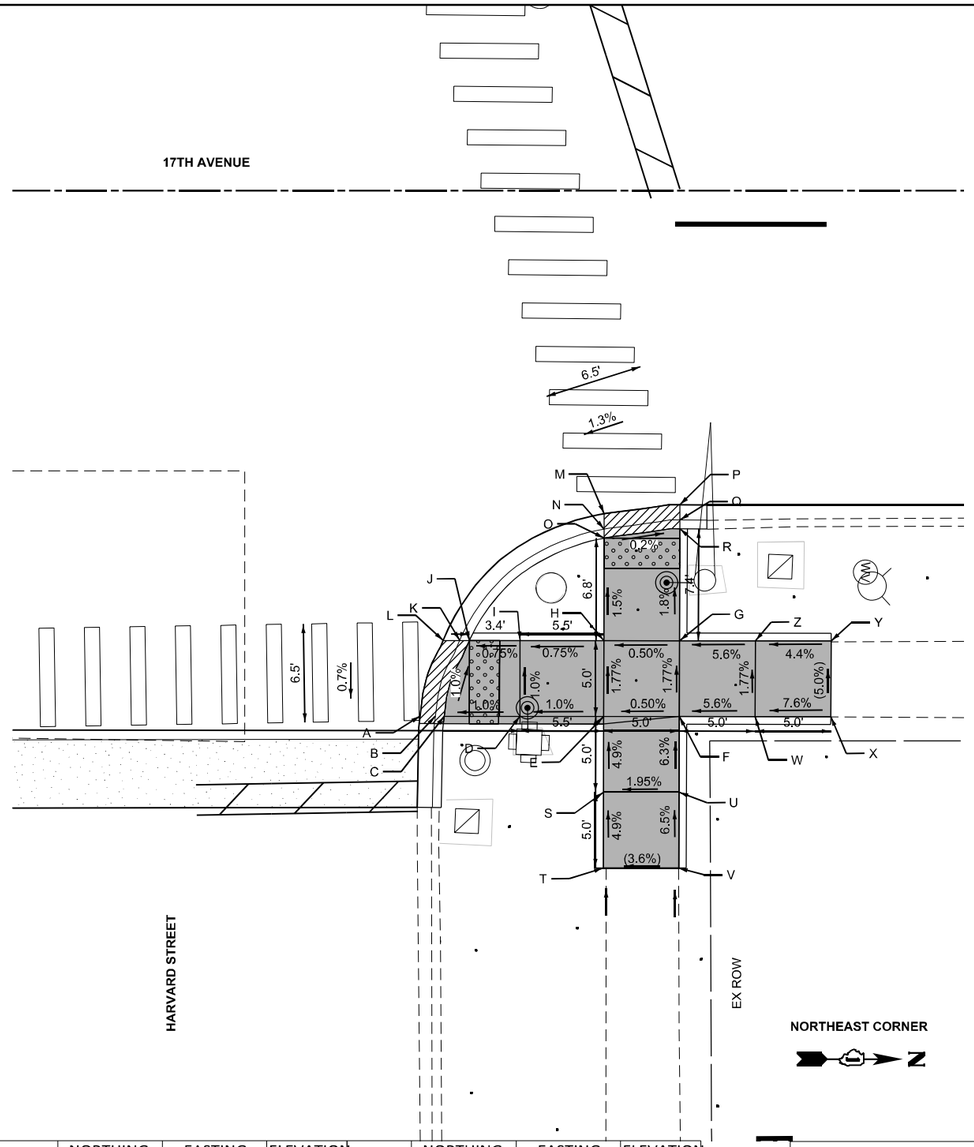
ADA RAMP DETAILS
17TH AVE (23RD ST TO MADISON ST)

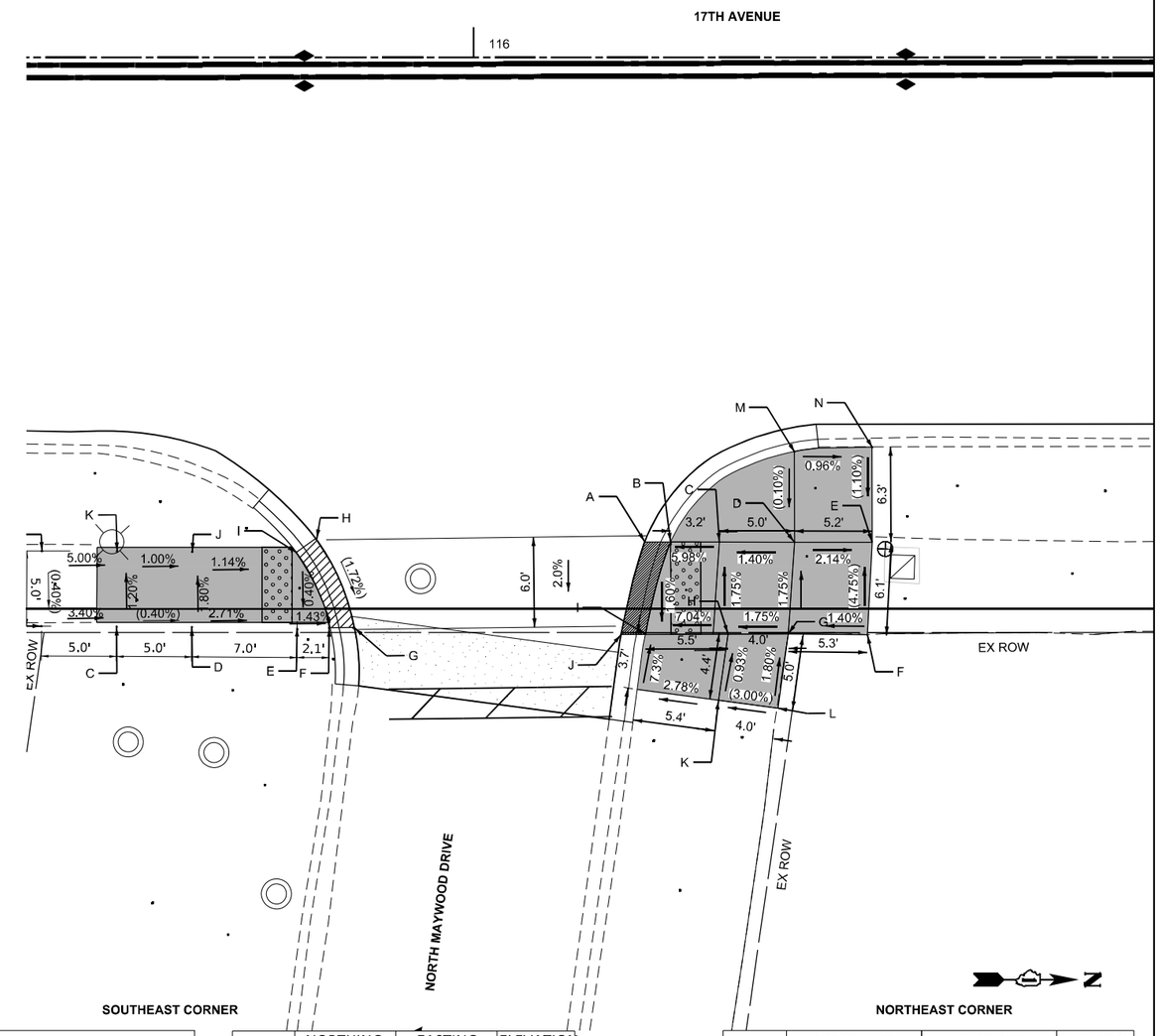
SCALE: | SHEET 5 OF 19 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	43

CONTRACT NO. 62V90

ILLINOIS | FED. AID PROJECT





NORTHEAST CORNER

SOUTHEAST CORNER

NORTHEAST CORNER

	NORTHING	EASTING	ELEVATION		NORTHING	EASTING	ELEVATION
A	1894759.470	1115064.184	627.08	N	1894771.160	1115050.920	626.99
B	1894760.480	1115064.160	627.07	O	1894771.180	1115051.510	627.03
C	1894761.060	1115064.160	627.11	P	1894776.100	1115049.140	626.99
D	1894766.060	1115063.969	627.16	Q	1894776.140	1115050.140	626.98
E	1894771.570	1115063.778	627.21	R	1894776.160	1115050.720	627.02
F	1894776.570	1115063.100	627.23	S	1894771.740	1115068.270	627.46
G	1894776.400	1115058.100	627.16	T	1894771.910	1115073.270	(627.7)
H	1894771.410	1115058.280	627.13	U	1894776.740	1115068.100	627.56
I	1894765.890	1115058.470	627.11	V	1894776.910	1115073.090	(627.88)
J	1894762.540	1115058.590	627.06	W	1894781.570	1115062.930	627.53
K	1894761.900	1115058.610	627.02	X	1894786.570	1115062.760	(627.9)
L	1894760.810	1115058.650	627.03	Y	1894786.400	1115057.750	(627.65)
M	1894771.120	1115049.910	627.01	Z	1894781.400	1115057.930	627.44

	NORTHING	EASTING	ELEVATION
A	1898389.191	1114929.761	(631.02)
B	1898389.346	1114934.759	(631.01)
C	1898394.344	1114934.604	630.83
D	1898399.341	1114934.448	630.81
E	1898406.366	1114934.354	630.62
F	1898408.47	1114934.165	630.59
G	1898410.075	1114934.115	630.55
H	1898407.386	1114928.301	630.60
I	1898406.107	1114929.236	630.64
J	1898399.186	1114929.451	630.75
K	1898394.188	1114929.606	630.77

	NORTHING	EASTING	ELEVATION
A	1898429.230	1114927.690	630.64
B	1898430.950	1114927.630	630.63
C	1898434.190	1114927.520	630.82
D	1898439.180	1114927.350	630.89
E	1898444.350	1114927.170	(630.78)
F	1898444.260	1114933.320	(631.07)
G	1898439.000	1114933.460	631.00
H	1898434.990	1114933.620	630.93
I	1898429.510	1114933.850	630.55
J	1898427.890	1114933.910	630.56
K	1898434.510	1114938.040	(630.97)
L	1898438.500	1114938.430	(631.09)
M	1898438.960	1114921.325	630.90
N	1898444.117	1114920.856	(630.85)

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER

0 5 10
SCALE IN FEET

MODEL: ADA 17th - ADA 8 - N Maywood NE
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-sht-ADA-4.dgn

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USER NAME = Jaime.Rivera	DESIGNED - CEL	REVISED -	
	DRAWN - MFK	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - WJT	REVISED -	
PLOT DATE = 10/17/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
17TH AVE (23RD ST TO MADISON ST)

SCALE: 1"=5' | SHEET 6 OF 19 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	44
		CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	

	NORTHING	EASTING	ELEVATION		NORTHING	EASTING	ELEVATION
A	1894699.594	1115015.759	627.13	P	1894705.703	1114997.068	627.67
B	1894699.558	1115015.003	627.14	Q	1894705.943	1115002.062	627.58
C	1894689.633	1115016.808	(627.06)	R	1894704.187	1115007.182	627.53
D	1894689.602	1115016.157	(627.37)	S	1894704.552	1115014.763	627.15
E	1894689.444	1115012.868	(627.61)	T	1894707.839	1115013.179	627.35
F	1894689.203	1115007.874	(627.62)	U	1894706.183	1115007.056	627.50
G	1894688.963	1115002.88	(627.61)	V	1894711.895	1115009.708	627.32
H	1894693.957	1115002.639	(627.65)	W	1894713.981	1115006.681	627.17
I	1894694.197	1115007.633	627.63	X	1894715.794	1115001.588	627.15
J	1894696.338	1115015.911	627.29	Y	1894713.741	1115001.687	627.13
K	1894699.192	1115007.393	627.61	Z	1894716.094	1114998.314	627.21
L	1894698.951	1115002.399	(627.69)	AA	1894710.456	1114991.833	(627.45)
M	1894698.711	1114997.405	(627.78)	AB	1894715.797	1114991.576	(627.08)
N	1894698.47	1114992.41	(627.85)	AC	1894716.433	1114991.51	(627.01)
O	1894705.462	1114992.074	(627.55)				

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER

0 5 10
SCALE IN FEET

	NORTHING	EASTING	ELEVATION
A	1894707.997	1115060.519	(627.58)
B	1894708.226	1115065.496	(627.89)
C	1894712.976	1115065.315	627.71
D	1894713.163	1115070.312	(627.83)
E	1894718.153	1115070.131	(627.59)
F	1894717.991	1115065.633	627.62
G	1894724.725	1115065.403	627.08
H	1894727.618	1115065.304	627.07
I	1894729.208	1115064.933	(627.13)
J	1894724.518	1115059.882	626.99
K	1894721.437	1115056.957	627.35
L	1894718.023	1115060.125	627.53
M	1894717.832	1115054.43	627.07
N	1894712.108	1115053.351	627.11
O	1894712.131	1115054.94	627.16
P	1894712.208	1115060.343	627.62

MODEL: Area13 - 01
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEserve_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-sht-ADA-Area13-01.dgn

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USER NAME = Jaime.Rivera	DESIGNED - CEL	REVISED -	
	DRAWN - MFK	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - WJT	REVISED -	
PLOT DATE = 10/17/2024	DATE - 06/15/2024	REVISED -	

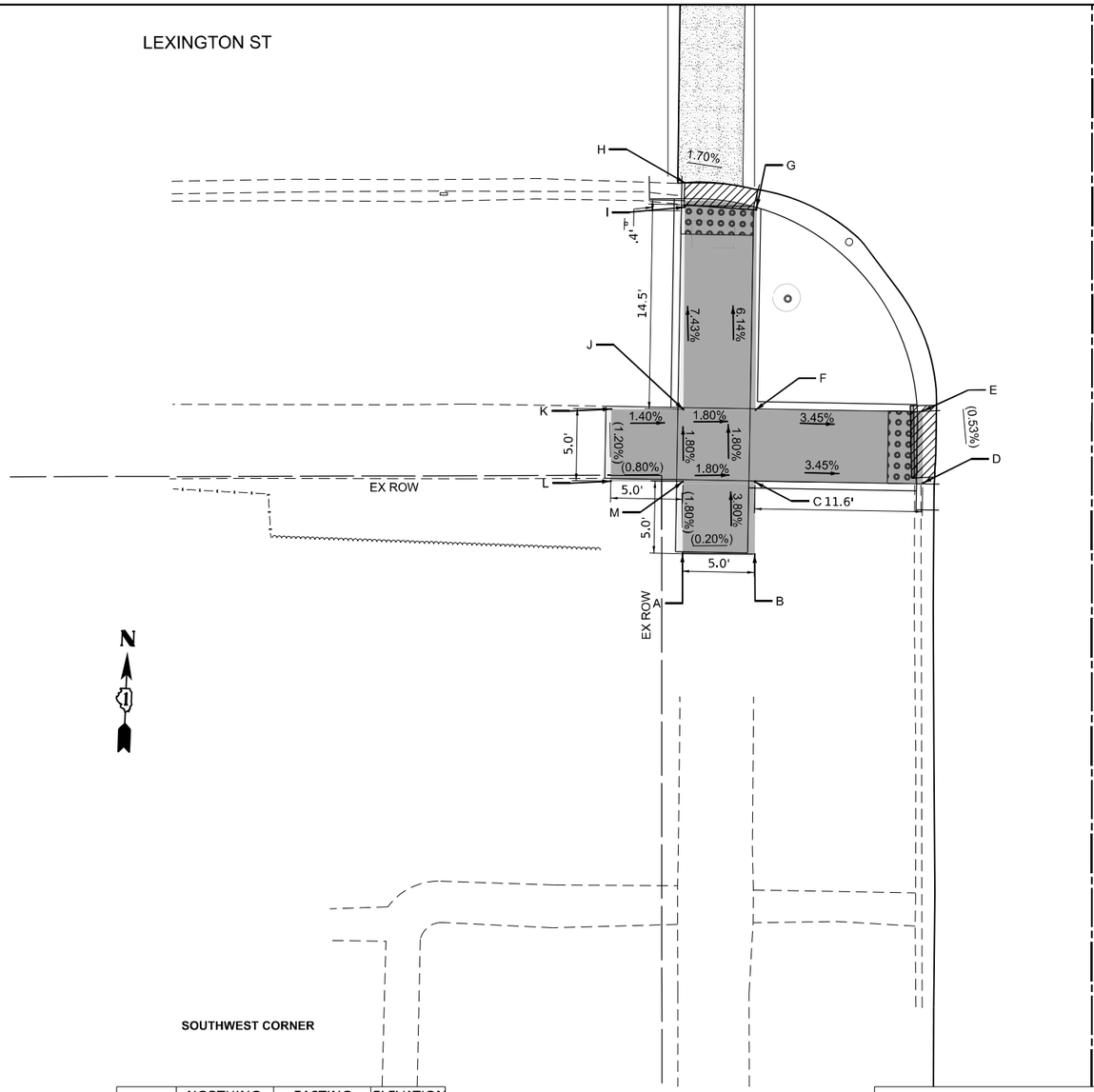
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

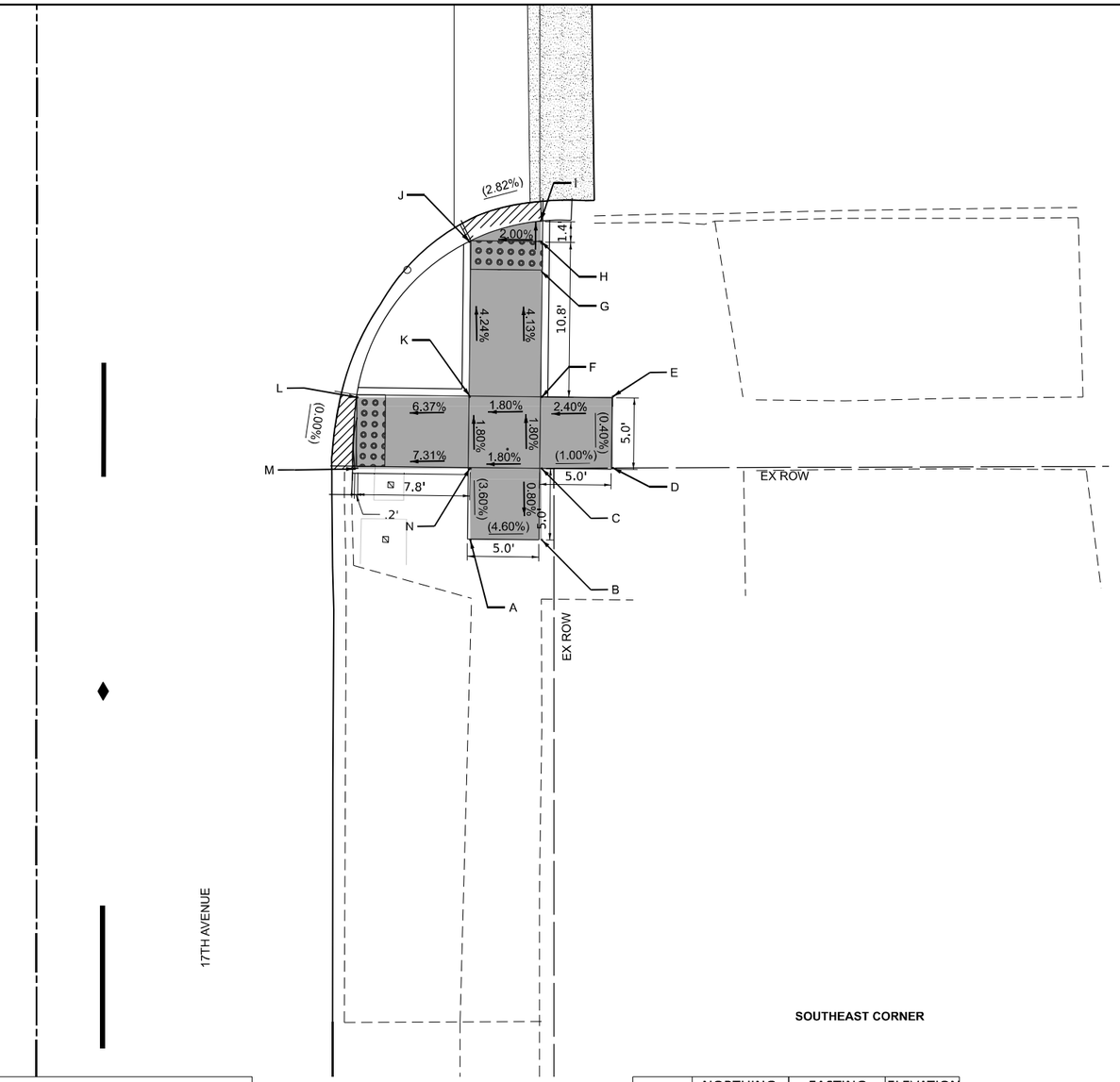
ADA RAMP DETAIL
17TH AVE (23RD ST TO MADISON ST)

SCALE: 1"=5' | SHEET 7 OF 19 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	45

CONTRACT NO. 62V90
ILLINOIS | FED. AID PROJECT





17TH AVENUE

SOUTHWEST CORNER

	NORTHING	EASTING	ELEVATION
A	1895368.559	1114978.434	(628.3)
B	1895368.711	1114983.432	(628.31)
C	1895373.708	1114983.280	628.12
D	1895374.060	1114994.894	627.72
E	1895379.057	1114994.715	627.59
F	1895378.706	1114983.129	628.03
G	1895392.717	1114982.704	627.17
H	1895394.264	1114977.655	627.08
I	1895392.566	1114977.707	627.08
J	1895378.556	1114978.130	628.12
K	1895378.403	1114973.134	(628.19)
L	1895373.405	1114973.285	(628.25)
M	1895373.557	1114978.283	(628.21)

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER

0 5 10
SCALE IN FEET

SOUTHEAST CORNER

	NORTHING	EASTING	ELEVATION
A	1895371.305	1115037.089	(628.14)
B	1895371.505	1115042.085	(628.37)
C	1895376.501	1115041.89	(628.41)
D	1895376.7	1115046.881	(628.46)
E	1895381.696	1115046.682	(628.44)
F	1895381.497	1115041.694	628.32
G	1895390.286	1115041.335	627.93
H	1895392.359	1115041.252	627.87
I	1895393.798	1115041.195	627.81
J	1895392.16	1115036.256	627.77
K	1895381.324	1115036.689	628.23
L	1895380.984	1115028.849	627.73
M	1895375.979	1115028.826	627.73
N	1895376.301	1115036.889	628.32

MODEL: Area13 - 02
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-eIH-ADA-Area13-02.dgn

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PLOT SCALE = 0.16666633 ' / in.	CHECKED - WJT	REVISED -	
PLOT DATE = 11/26/2024	DATE - 06/15/2024	REVISED -	

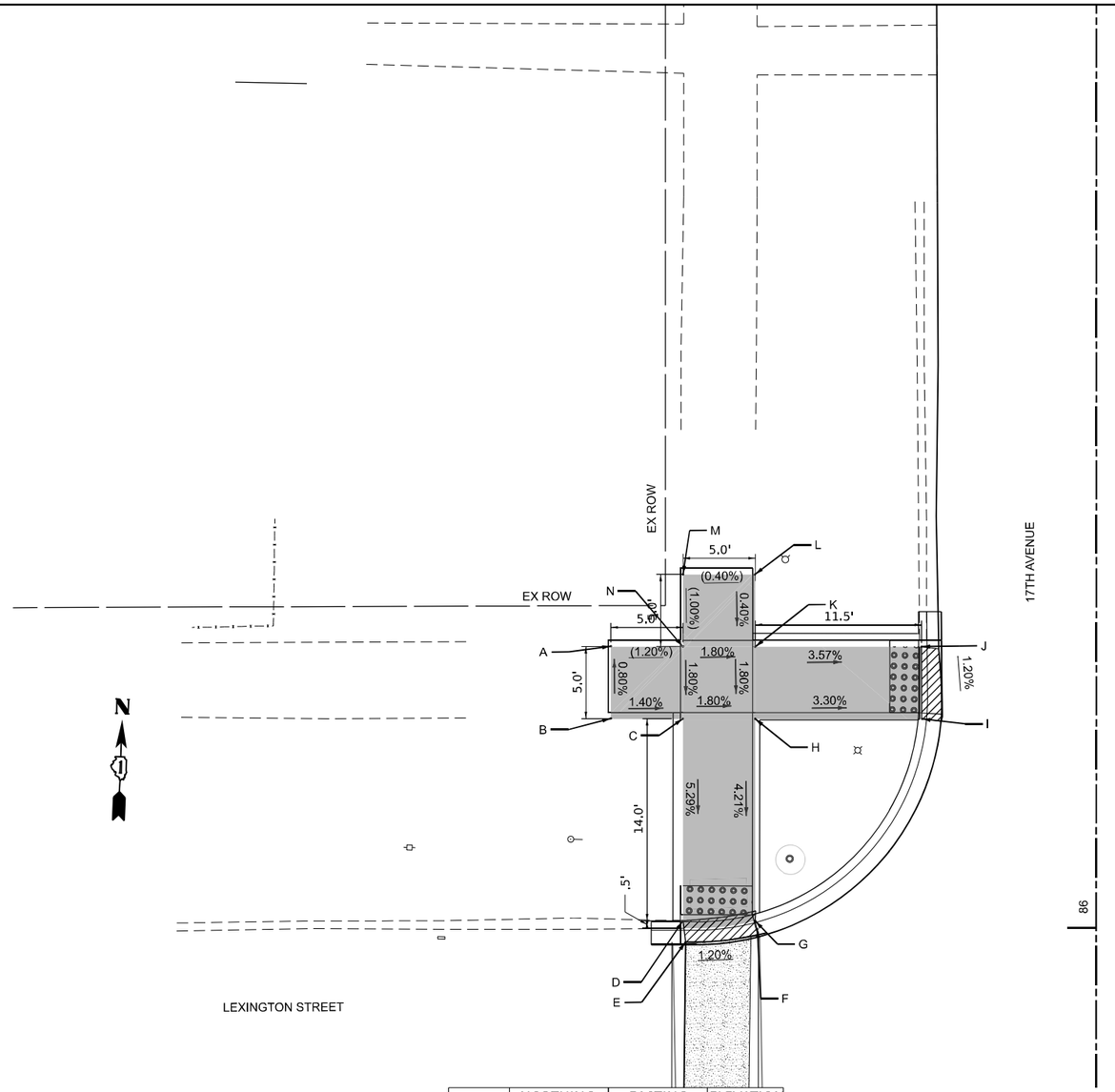
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
17TH AVE (23RD ST TO MADISON ST)

SCALE: 1"=5' | SHEET 8 OF 19 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	46

CONTRACT NO. 62V90
ILLINOIS | FED. AID PROJECT



	NORTHING	EASTING	ELEVATION
A	1895436.952	1114970.712	(628.26)
B	1895431.956	1114970.893	(628.3)
C	1895432.122	1114975.862	628.23
D	1895418.130	1114976.397	627.49
E	1895416.665	1114976.635	(627.45)
F	1895417.752	1114981.561	627.51
G	1895418.311	1114981.394	627.55
H	1895432.290	1114980.887	628.14
I	1895432.709	1114992.434	627.76
J	1895437.704	1114992.205	627.82
K	1895437.270	1114980.693	628.23
L	1895442.283	1114980.497	(628.25)
M	1895442.103	1114975.528	(628.27)
N	1895437.119	1114975.709	(628.32)

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER

MODEL: Area13 - 03
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEserv's_PTB209_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-sht-ADA-Area13-03.dgn

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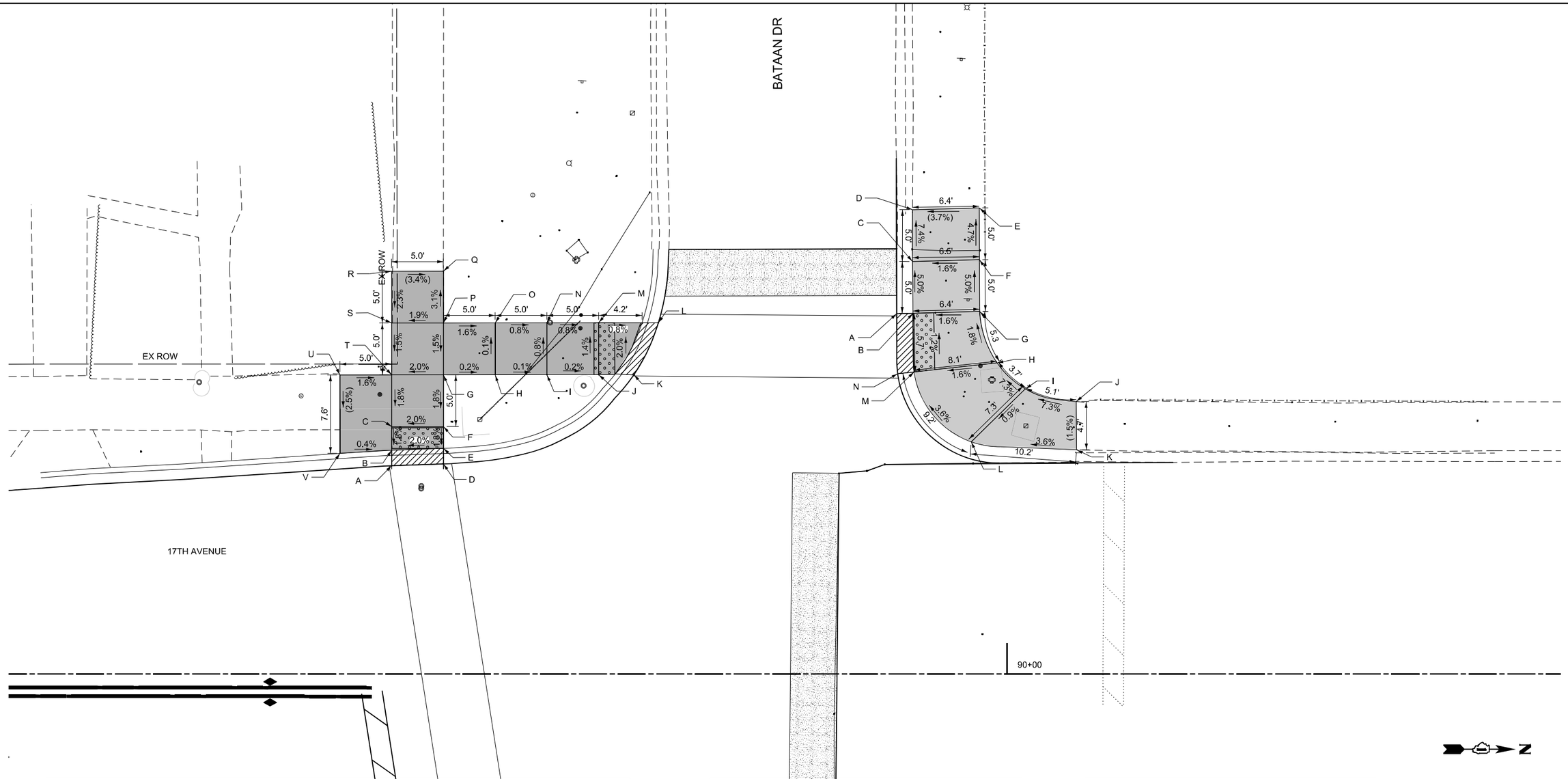
	DRAWN - MFK	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - WJT	REVISED -	
PLOT DATE = 11/26/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
17TH AVE (23RD ST TO MADISON ST)

SCALE: 1"=5' | SHEET 9 OF 19 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	47
		CONTRACT NO. 62V90		
		ILLINOIS FED. AID PROJECT		



	NORTHING	EASTING	ELEVATION		NORTHING	EASTING	ELEVATION
A	1895758.280	1114972.530	628.62	L	1895783.490	1114957.810	628.73
B	1895758.190	1114971.030	628.65	M	1895777.730	1114958.020	628.79
C	1895758.110	1114968.760	628.69	N	1895772.730	1114958.200	628.83
D	1895763.240	1114972.180	628.72	O	1895767.730	1114958.380	628.87
E	1895763.190	1114970.690	628.75	P	1895762.740	1114958.570	628.95
F	1895763.110	1114968.560	628.79	Q	1895762.550	1114953.570	(628.80)
G	1895762.920	1114963.570	628.88	R	1895757.540	1114953.770	(628.97)
H	1895767.920	1114963.380	628.87	S	1895757.740	1114958.760	628.86
I	1895772.910	1114963.200	628.87	T	1895757.940	1114963.760	628.78
J	1895777.910	1114963.020	628.86	U	1895752.930	1114963.960	(628.86)
K	1895781.330	1114962.890	628.85	V	1895753.210	1114971.530	(628.67)

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER

0 5 10
SCALE IN FEET

	NORTHING	EASTING	ELEVATION
A	1895806.48	1114956.09	629.80
B	1895808.05	1114955.99	629.83
C	1895807.82	1114950.99	629.58
D	1895807.65	1114945.99	(629.21)
E	1895814.07	1114945.58	(629.45)
F	1895814.27	1114950.58	629.68
G	1895814.48	1114955.58	629.93
H	1895816.34	1114960.48	630.03
I	1895819.16	1114962.89	630.30
J	1895824.12	1114963.94	(630.67)
K	1895824.33	1114968.59	(630.60)
L	1895814.12	1114968.19	630.23
M	1895808.35	1114961.65	629.90
N	1895806.79	1114961.88	629.87

MODEL: Sheet ADA - 18 SW NW Bataan
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 19907803.0 Deliverables/3.3 CADD Data/Sheets/D162V90-sht-ADA-10.dgn

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USER NAME = Jaime.Rivera	DESIGNED - CEL	REVISED -	
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PLOT SCALE = 0.16666633 ' / in.	CHECKED - WJT	REVISED -	
PLOT DATE = 10/17/2024	DATE - 06/15/2024	REVISED -	

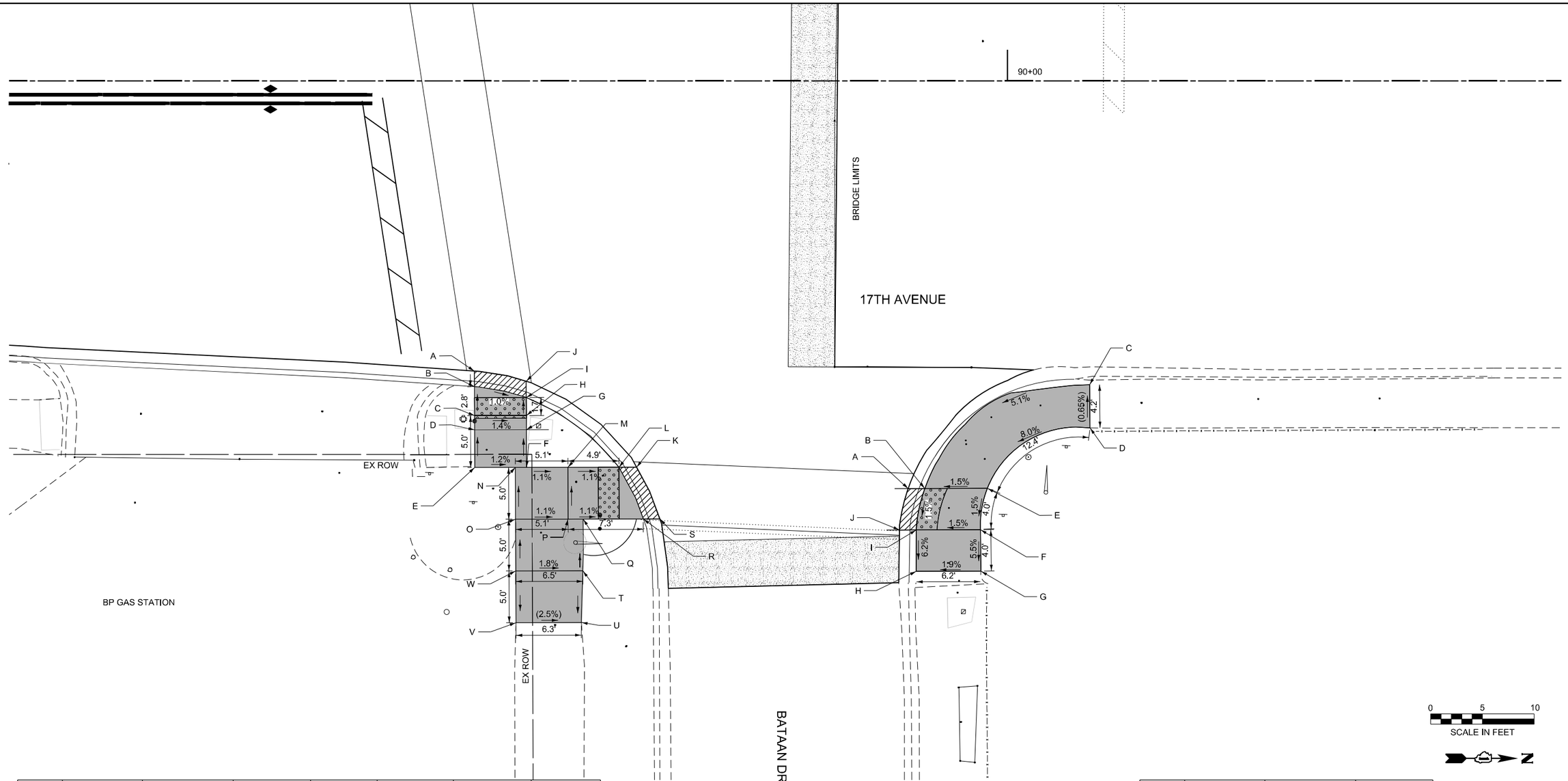
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
17TH AVE (23RD ST TO MADISON ST)

SCALE: 1"=5' | SHEET 10 OF 19 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	48

CONTRACT NO. 62V90
ILLINOIS | FED. AID PROJECT



	NORTHING	EASTING	ELEVATION		NORTHING	EASTING	ELEVATION
A	1895767.94	1115020.34	628.77	M	1895777.31	1115029.3	628.81
B	1895768.00	1115021.84	628.80	N	1895772.23	1115029.49	628.86
C	1895768.12	1115024.65	628.85	O	1895772.44	1115034.49	628.94
D	1895768.17	1115026.02	(628.87)	P	1895777.52	1115034.3	628.88
E	1895768.32	1115029.64	(628.91)	Q	1895778.97	1115034.24	628.87
F	1895773.32	1115029.45	628.85	R	1895784.78	1115034.02	628.80
G	1895773.17	1115025.82	628.80	S	1895786.38	1115033.96	628.77
H	1895773.11	1115024.46	628.78	T	1895779.12	1115039.24	628.92
I	1895773.04	1115022.71	628.75	U	1895779.16	1115044.22	(628.86)
J	1895772.98	1115021.14	628.71	V	1895772.84	1115044.48	(629.02)
K	1895783.95	1115029.05	628.71	W	1895772.64	1115039.48	629.04
L	1895782.24	1115029.11	628.75				

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER

	NORTHING	EASTING	ELEVATION
A	1895810.24	1115030.15	629.67
B	1895811.86	1115030.09	629.70
C	1895827.40	1115019.49	(630.75)
D	1895827.59	1115023.67	(630.78)
E	1895817.89	1115029.85	629.79
F	1895817.38	1115033.88	629.73
G	1895817.57	1115037.87	(629.51)
H	1895811.31	1115038.11	(629.39)
I	1895811.17	1115034.12	629.64
J	1895809.56	1115034.18	629.61

MODEL: Sheet - ADA - 19 SE NE Bataan
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEserv_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-sht-ADA-11.dgn

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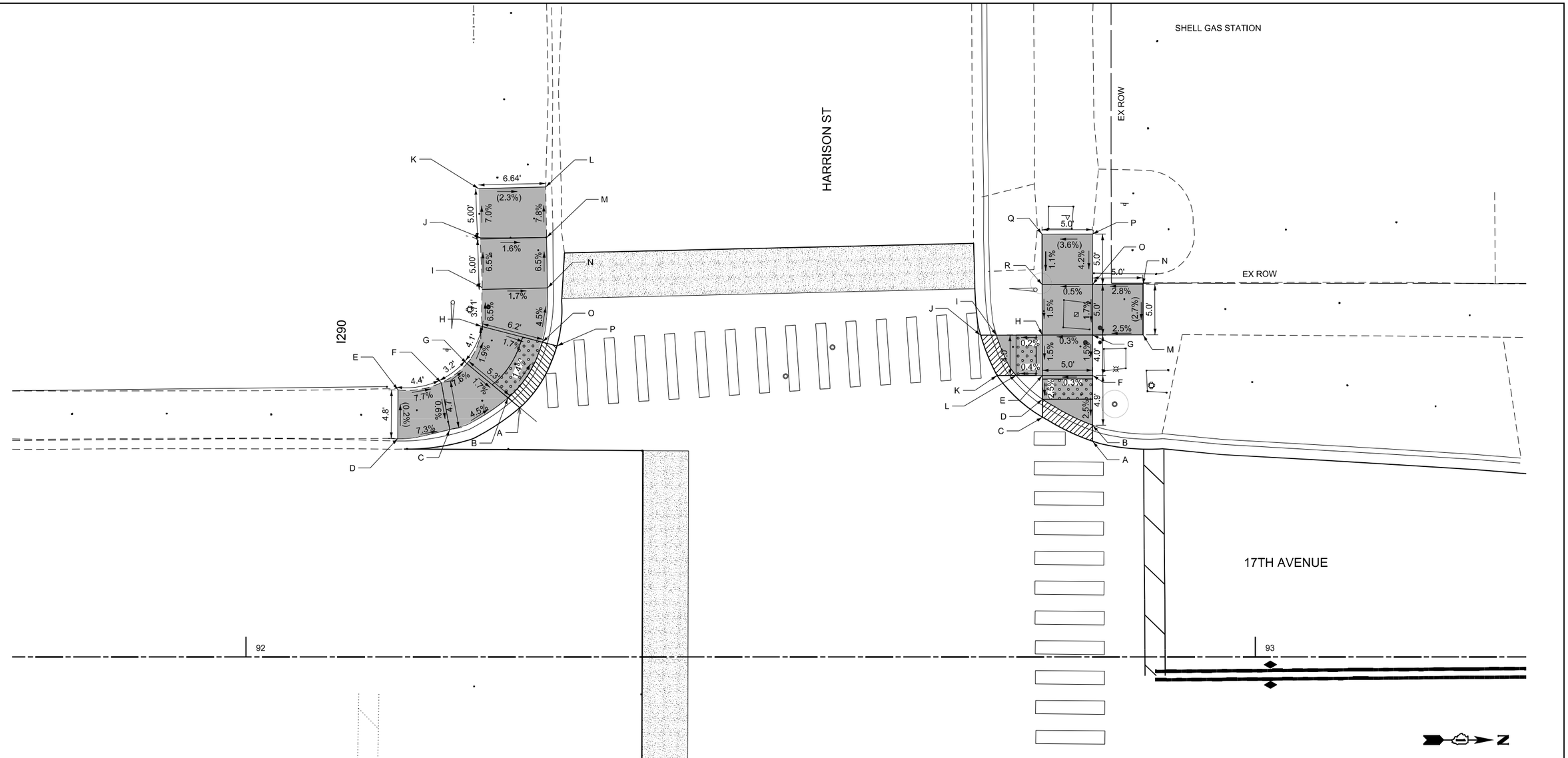
PLOT SCALE = 0.16666633 ' / in.	CHECKED - WJT	REVISED -	
PLOT DATE = 10/17/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
17TH AVE (23RD ST TO MADISON ST)

SCALE: 1"=5' | SHEET 11 OF 19 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	49
		CONTRACT NO. 62V90		
	ILLINOIS	FED. AID PROJECT		



	NORTHING	EASTING	ELEVATION
A	1896044.5	1114957.53	629.87
B	1896043.29	1114956.6	629.90
C	1896037.64	1114959.95	630.20
D	1896032.52	1114961.02	(630.58)
E	1896032.37	1114956.21	(630.57)
F	1896036.63	1114955.34	630.23
G	1896039.09	1114953.35	629.99
H	1896040.44	1114949.62	629.92
I	1896040.34	1114945.96	629.67
J	1896039.98	1114940.97	629.35
K	1896039.63	1114935.98	(629.00)
L	1896046.25	1114935.59	(628.85)
M	1896046.54	1114940.58	629.24
N	1896046.81	1114945.57	629.57
O	1896046.49	1114950.95	629.81
P	1896047.96	1114951.27	629.78

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER

0 5 10
SCALE IN FEET

	NORTHING	EASTING	ELEVATION		NORTHING	EASTING	ELEVATION
A	1896101.35	1114958.80	628.50	J	1896089.87	1114948.70	628.66
B	1896101.29	1114957.20	628.53	K	1896091.63	1114952.63	628.60
C	1896096.29	1114956.59	628.55	L	1896093.52	1114952.56	628.63
D	1896096.22	1114954.82	628.58	M	1896105.94	1114948.07	(628.81)
E	1896096.13	1114952.45	628.64	N	1896105.74	1114943.07	(628.94)
F	1896101.10	1114952.26	628.66	O	1896100.75	1114943.27	628.80
G	1896100.94	1114948.26	628.72	P	1896100.55	1114938.27	(629.01)
H	1896095.98	1114948.46	628.70	Q	1896095.59	1114938.46	(628.83)
I	1896091.43	1114948.63	628.69	R	1896095.78	1114943.46	628.78

MODEL: Sheet ADA - 20 SW NW Harrison
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEserv_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-sht-ADA-12.dgn

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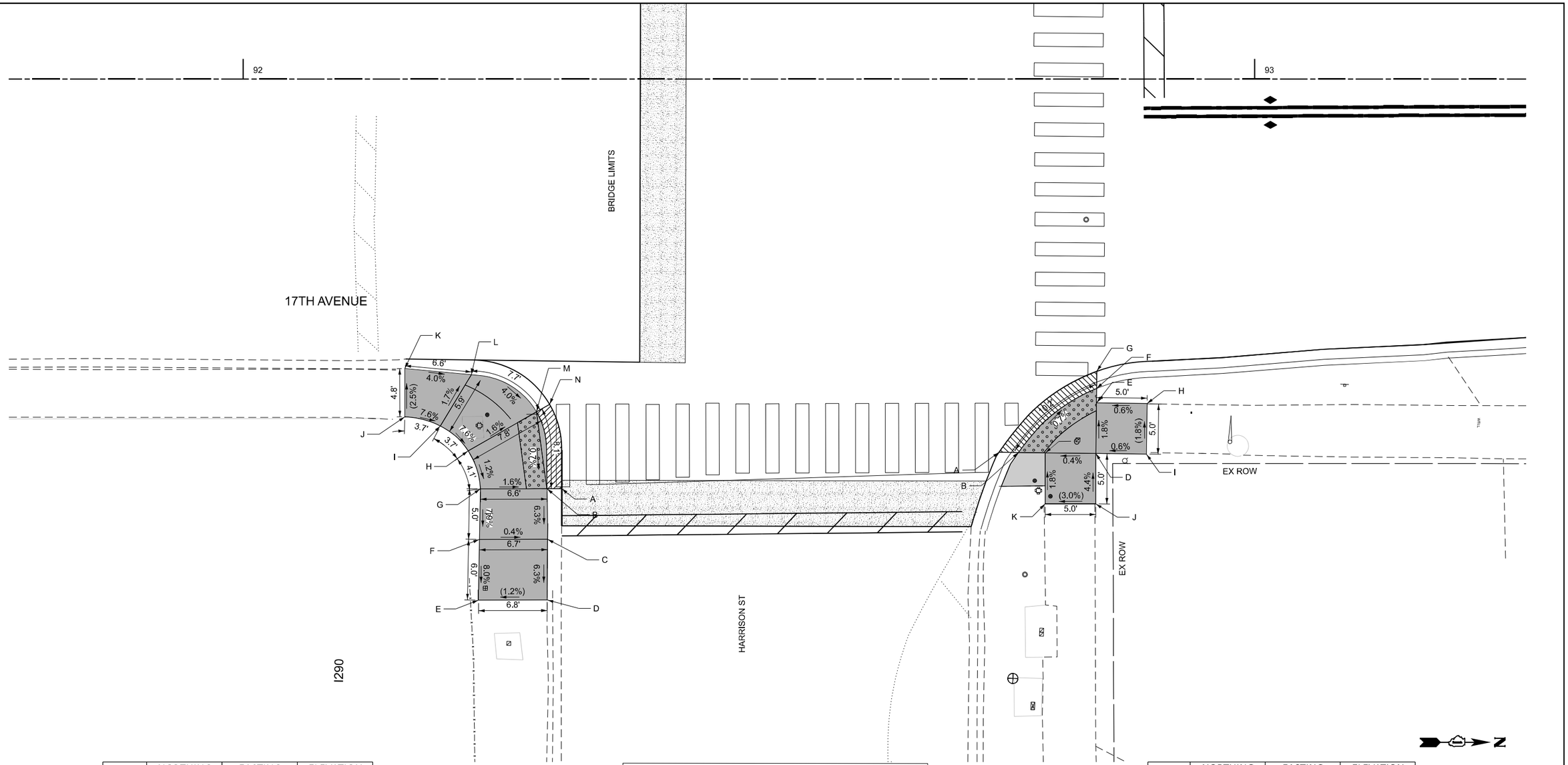
PLOT SCALE = 0.16666633 ' / in.	CHECKED - WJT	REVISED -	
PLOT DATE = 10/17/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
17TH AVE (23RD ST TO MADISON ST)

SCALE: 1"=5' | SHEET 12 OF 19 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	50
		CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	



	NORTHING	EASTING	ELEVATION
A	1896051.23	1115022.51	629.69
B	1896049.78	1115022.57	629.72
C	1896050.01	1115027.56	629.41
D	1896050.2	1115033.56	(629.03)
E	1896043.41	1115033.82	(628.95)
F	1896043.28	1115027.82	629.43
G	1896043.2	1115022.82	629.83
H	1896041.85	1115019.11	629.90
I	1896039.02	1115016.76	630.19
J	1896035.47	1115015.98	(630.47)
K	1896035.29	1115011.2	(630.35)
L	1896041.9	1115011.58	630.09
M	1896048.46	1115015.01	629.78
N	1896049.73	1115014.22	629.75

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER

0 5 10

SCALE IN FEET

	NORTHING	EASTING	ELEVATION
A	1896094.30	1115017.34	628.47
B	1896096.22	1115017.30	628.50
C	1896098.88	1115017.23	628.52
D	1896103.88	1115017.11	628.54
E	1896103.76	1115012.11	628.45
F	1896103.72	1115010.69	628.43
G	1896103.68	1115008.99	628.40
H	1896108.76	1115011.99	(628.48)
I	1896108.88	1115016.99	(628.57)
J	1896104.04	1115022.10	(628.76)
K	1896099.04	1115022.27	(628.61)

MODEL: Sheet 21 SE NE Harrison
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 199078.0 Deliverables/3.3 CADD Data/Sheets/D162V90-sht-ADA-13.dgn

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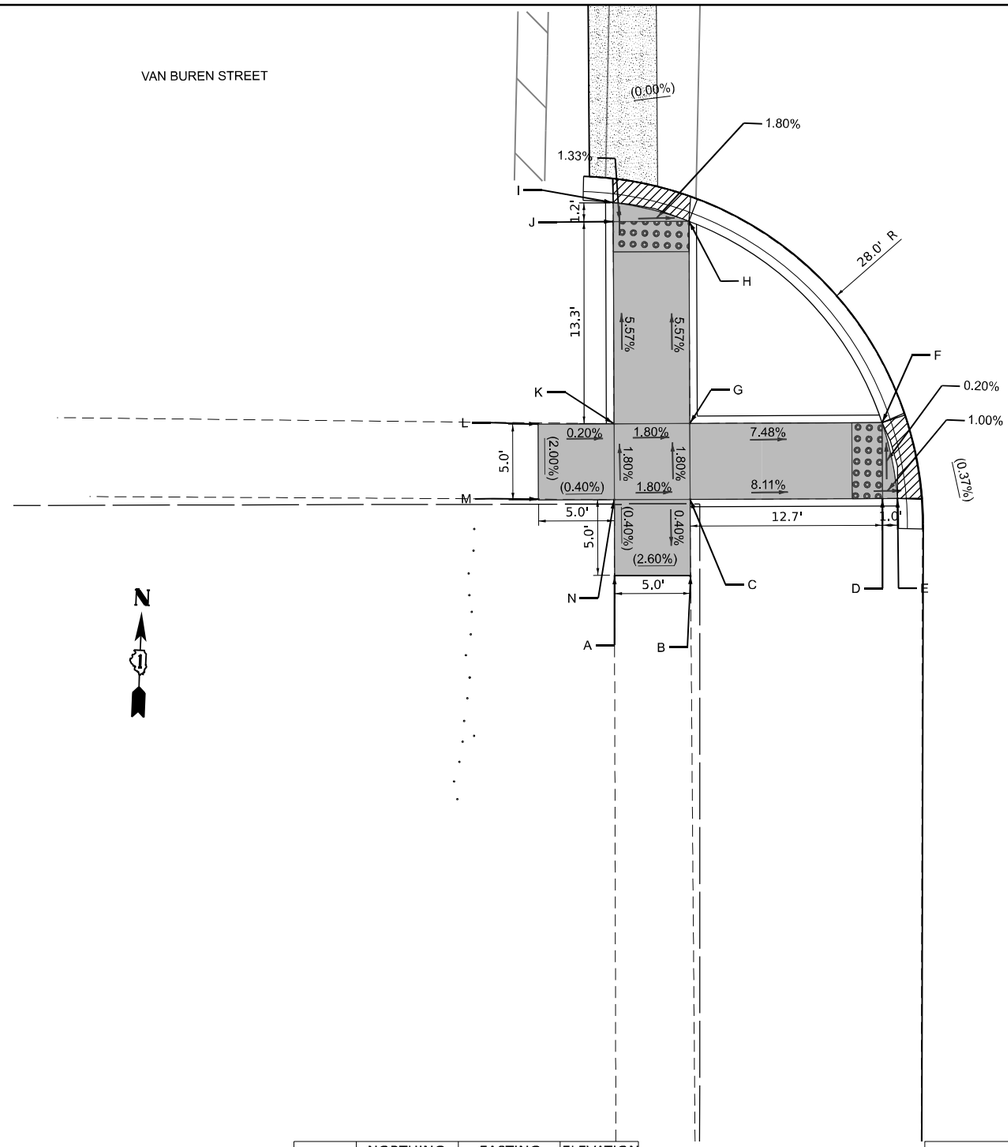
PLOT DATE = 11/26/2024	DATE - 06/15/2024	REVISED -	

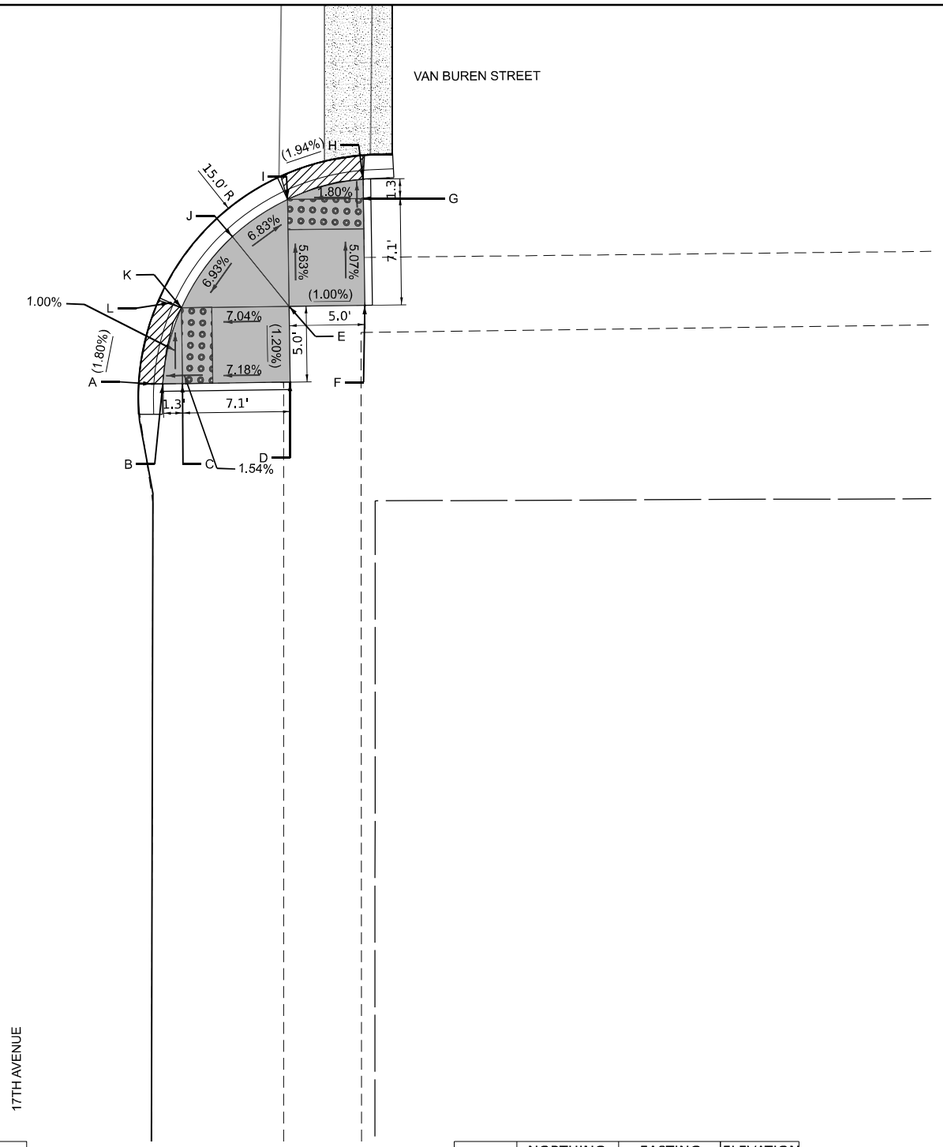
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

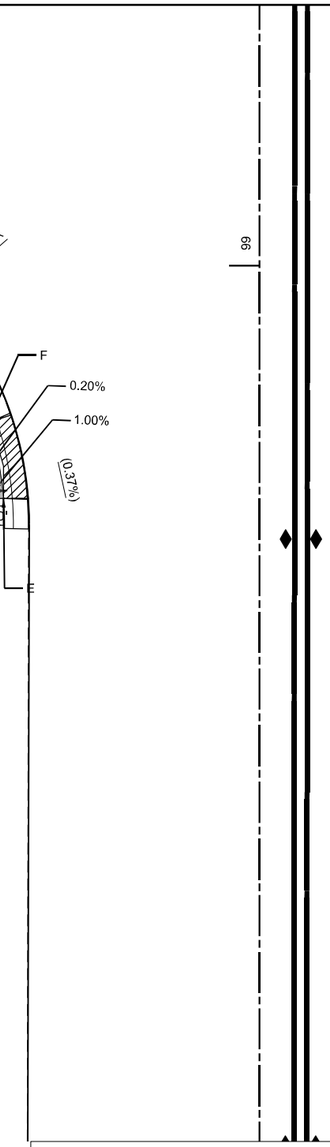
ADA RAMP DETAILS
17TH AVE (23RD ST TO MADISON ST)

SCALE: 1"=5' | SHEET 13 OF 19 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	51
		CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	







	NORTHING	EASTING	ELEVATION
A	1896696.083	1114922.945	(628.76)
B	1896696.210	1114927.944	(628.63)
C	1896701.281	1114927.739	628.65
D	1896701.794	1114940.426	627.62
E	1896701.833	1114941.403	627.61
F	1896706.790	1114940.224	627.61
G	1896706.277	1114927.537	628.56
H	1896719.608	1114926.998	627.83
I	1896720.656	1114921.952	627.90
J	1896719.406	1114922.002	627.92
K	1896706.075	1114922.541	628.65
L	1896705.873	1114917.545	(628.66)
M	1896700.925	1114917.745	(628.76)
N	1896701.079	1114922.743	(628.74)

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER

0 5 10
SCALE IN FEET

	NORTHING	EASTING	ELEVATION
A	1896710.856	1114981.354	627.51
B	1896710.891	1114982.040	627.55
C	1896710.956	1114983.345	627.57
D	1896711.310	1114990.436	(628.08)
E	1896716.304	1114990.187	(628.02)
F	1896716.554	1114995.180	(628.07)
G	1896723.573	1114994.829	627.71
H	1896724.858	1114994.765	627.69
I	1896723.345	1114989.835	627.62
J	1896720.758	1114986.288	627.92
K	1896715.950	1114983.096	627.52
L	1896716.247	1114982.362	627.48

MODEL: Area13 - 04
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-sht-ADA-Area13-04.dgn

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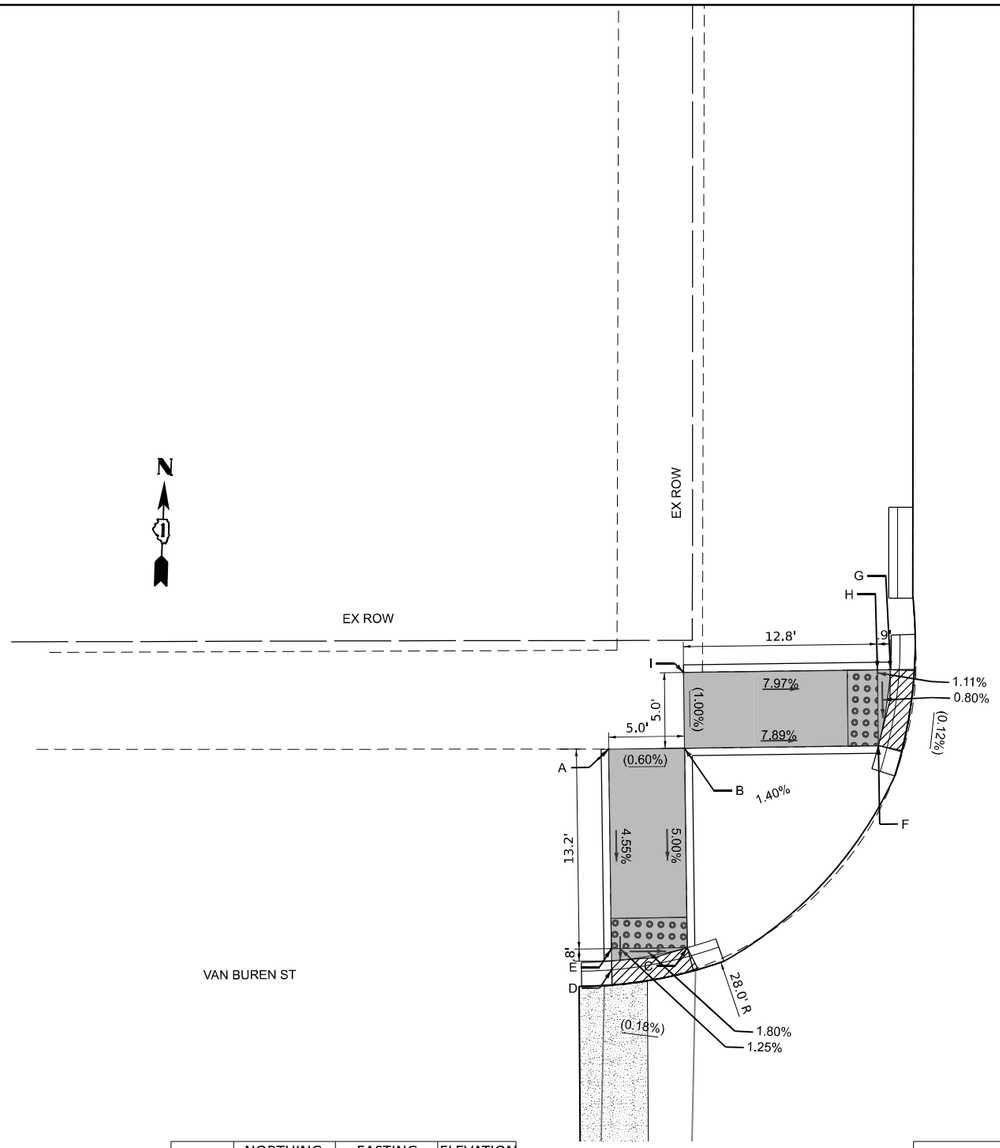
PLOT DATE = 11/26/2024	DATE - 06/15/2024	REVISED -	

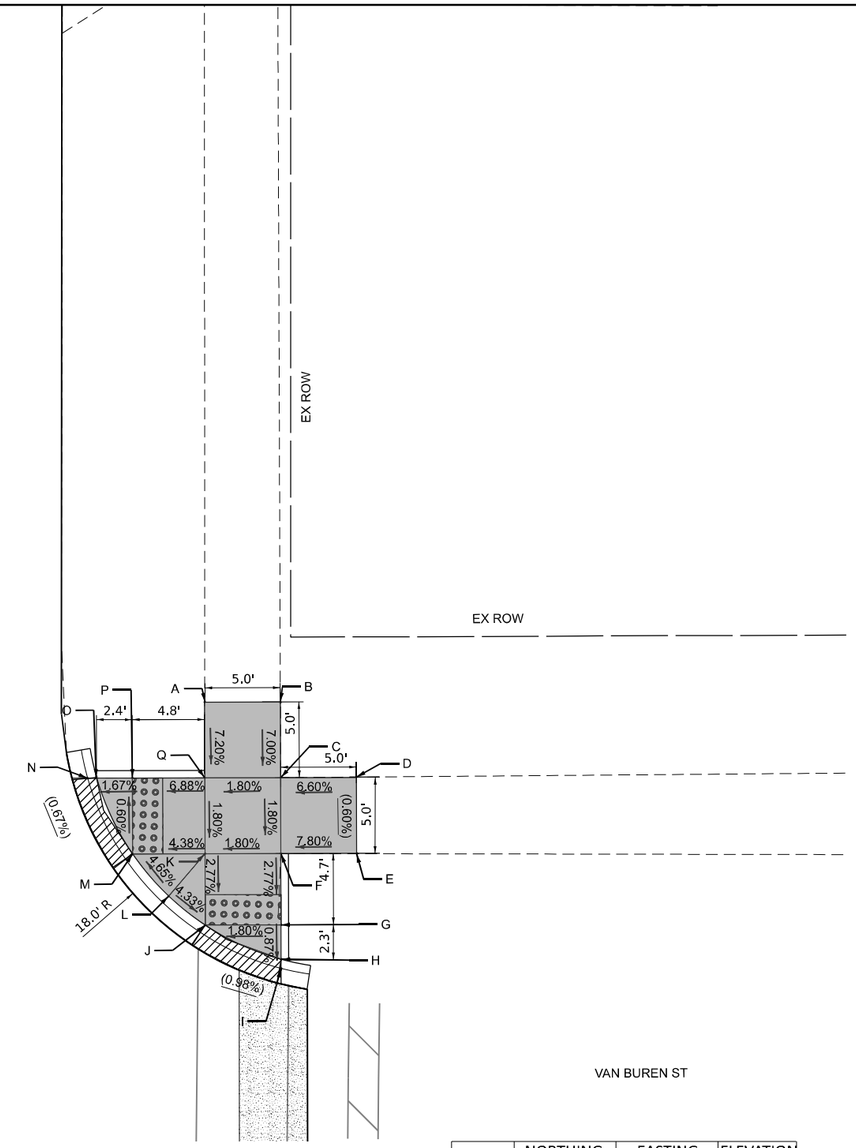
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
17TH AVE (23RD ST TO MADISON ST)

SCALE: 1"=5' | SHEET 14 OF 19 SHEETS | STA. 0+00.00 TO STA. 3+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	52
		CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	





	NORTHING	EASTING	ELEVATION
A	1896759.572	1114920.771	(628.47)
B	1896759.820	1114925.765	(628.44)
C	1896746.671	1114926.419	627.78
D	1896745.028	1114921.495	627.82
E	1896746.423	1114921.425	627.87
F	1896760.455	1114938.543	627.43
G	1896765.489	1114939.103	627.46
H	1896765.449	1114938.294	627.47
I	1896764.814	1114925.517	(628.49)

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER

0 5 10
SCALE IN FEET

	NORTHING	EASTING	ELEVATION
A	1896765.154	1114988.446	(628.19)
B	1896765.317	1114993.439	(628.27)
C	1896760.354	1114993.639	627.92
D	1896760.577	1114998.634	(628.25)
E	1896755.554	1114998.832	(628.22)
F	1896755.358	1114993.836	627.83
G	1896750.650	1114994.021	627.70
H	1896748.383	1114994.110	627.68
I	1896747.779	1114994.134	627.64
J	1896750.454	1114989.025	627.61
K	1896755.161	1114988.839	627.74
L	1896752.277	1114986.543	627.70
M	1896754.973	1114984.064	627.53
N	1896759.853	1114980.913	627.42
O	1896759.971	1114981.488	627.46
P	1896759.969	1114983.867	627.50
Q	1896760.157	1114988.643	627.83

MODEL: Area13 - 05
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEserve_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-sht-ADA-Area13-05.dgn

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

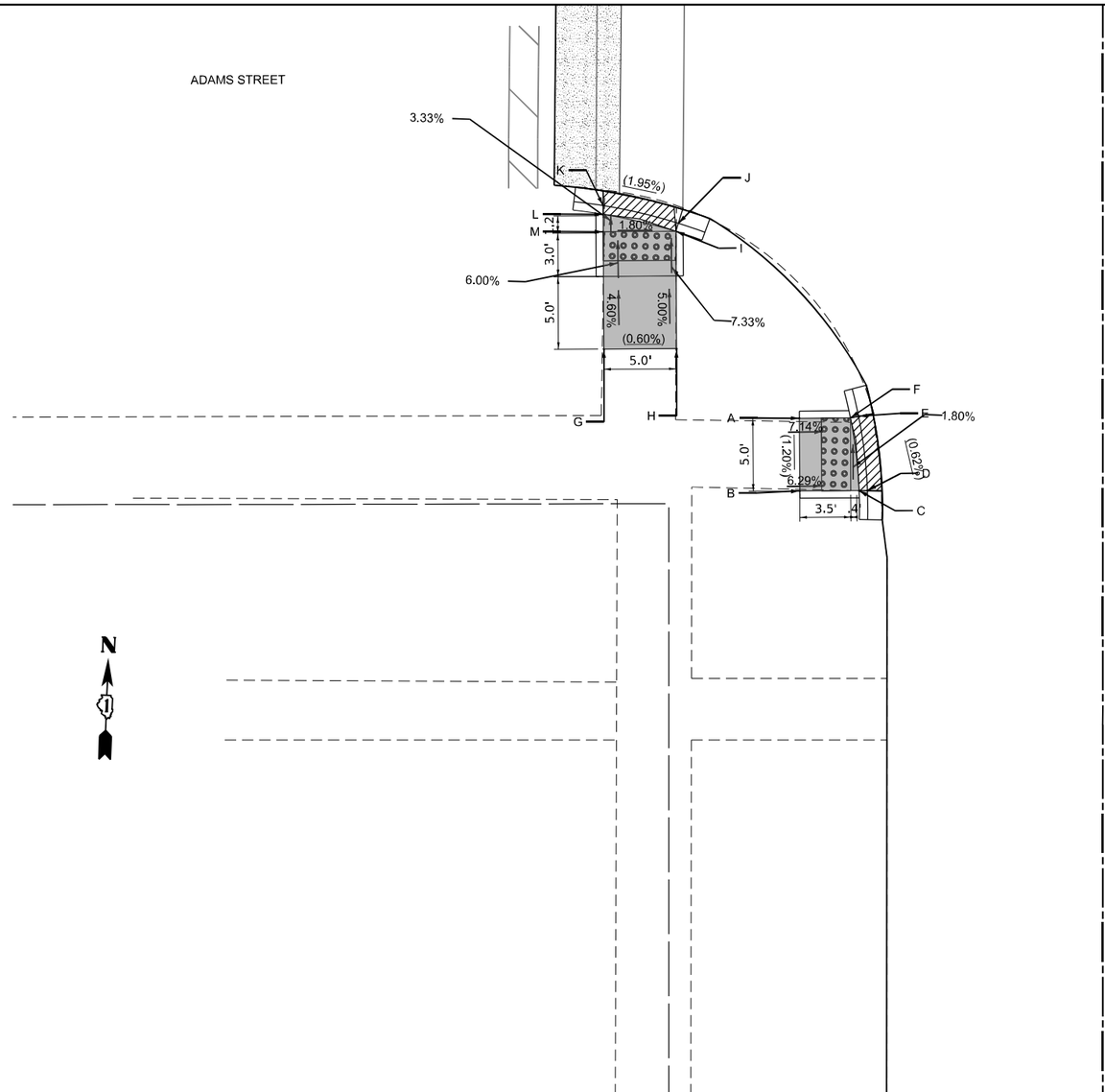
ADA RAMP DETAILS
17TH AVE (23RD ST TO MADISON ST)

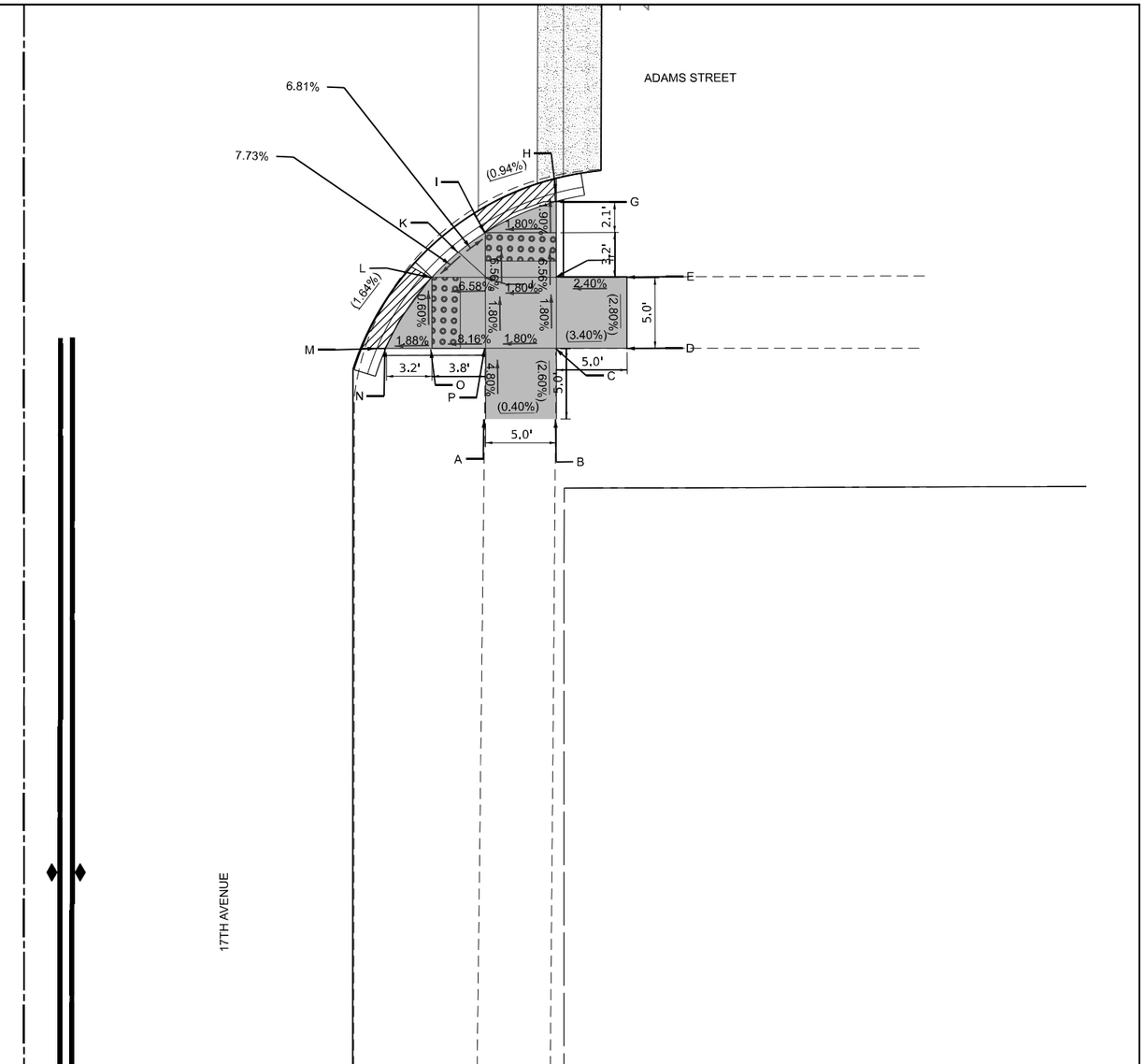
SCALE: 1"=5' | SHEET 15 OF 19 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	53

CONTRACT NO. 62V90

ILLINOIS | FED. AID PROJECT





	NORTHING	EASTING	ELEVATION
A	1897371.384	1114913.058	(628.12)
B	1897366.388	1114913.268	(628.18)
C	1897366.559	1114917.335	627.96
D	1897366.584	1114917.918	627.92
E	1897371.667	1114917.123	627.83
F	1897371.531	1114916.556	627.87
G	1897375.639	1114899.441	(628.43)
H	1897375.850	1114904.436	(628.4)
I	1897383.909	1114904.128	627.93
J	1897384.476	1114904.249	627.89
K	1897385.500	1114899.025	627.94
L	1897384.909	1114899.050	627.98
M	1897383.703	1114899.101	628.02

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER

0 5 10
SCALE IN FEET

	NORTHING	EASTING	ELEVATION
A	1897372.518	1114966.456	(628.55)
B	1897372.620	1114971.465	(625.53)
C	1897377.651	1114971.323	(628.4)
D	1897377.886	1114976.401	(628.57)
E	1897382.901	1114976.132	(628.43)
F	1897382.698	1114971.095	628.31
G	1897388.025	1114970.937	628.06
H	1897388.743	1114970.910	628.02
I	1897385.668	1114966.011	628.01
J	1897382.513	1114966.139	628.22
K	1897384.208	1114964.110	628.17
L	1897382.330	1114962.367	627.97
M	1897377.225	1114958.506	627.90
N	1897377.252	1114959.237	627.94
O	1897377.294	1114962.462	628.00
P	1897377.497	1114966.265	628.31

MODEL: Area13 - 06
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DServs_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-sht-ADA-Area13-06.dgn

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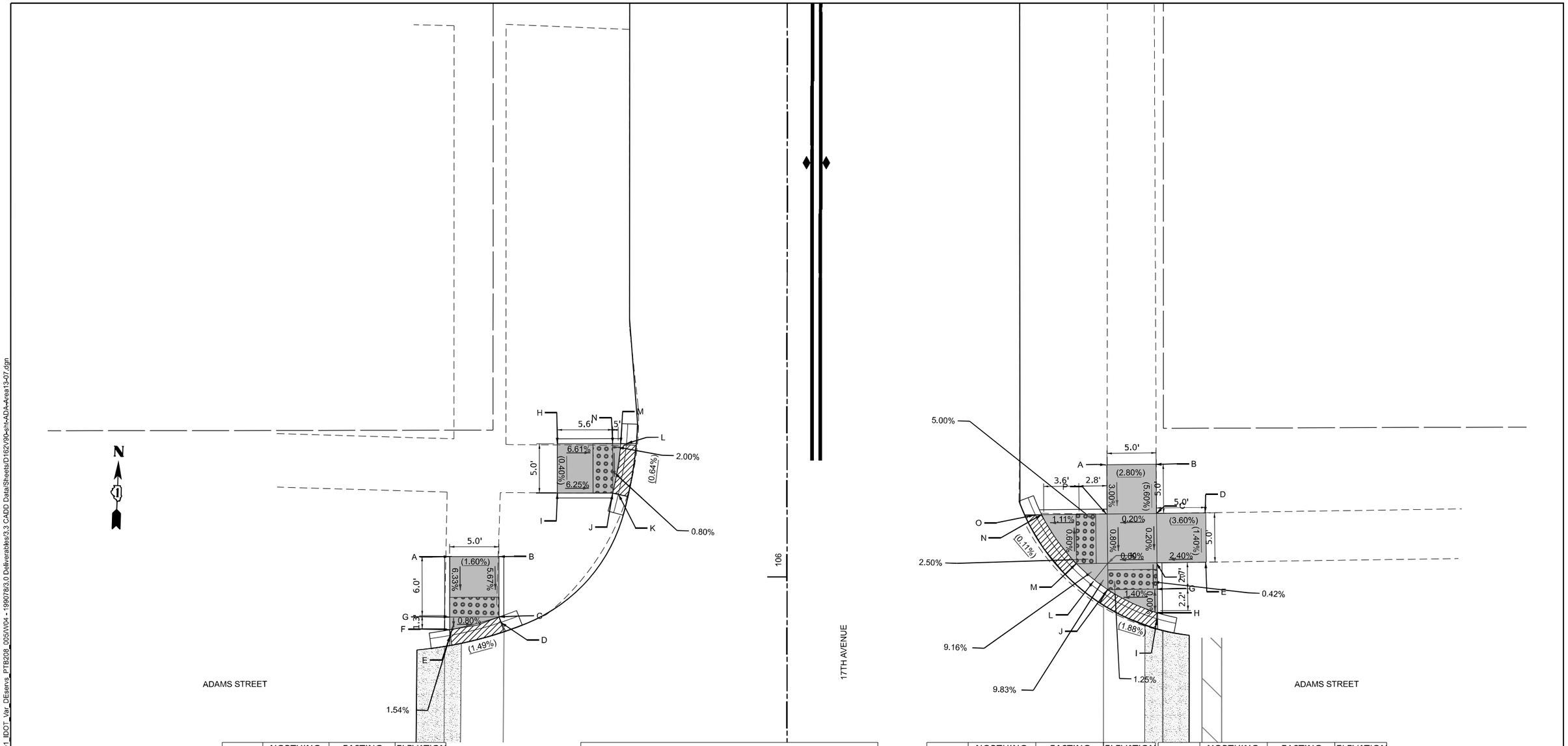
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
17TH AVE (23RD ST TO MADISON ST)

SCALE: 1"=5' | SHEET 16 OF 19 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	54
		CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	



	NORTHING	EASTING	ELEVATION
A	1897418.152	1114897.988	(628.47)
B	1897418.335	1114902.912	(628.39)
C	1897412.219	1114903.21	628.05
D	1897411.673	1114903.416	628.01
E	1897410.145	1114898.284	628.03
F	1897410.738	1114898.262	628.07
G	1897412.035	1114898.214	628.09
H	1897430.003	1114908.485	(628.37)
I	1897425.007	1114908.67	(628.39)
J	1897425.174	1114914.28	628.04
K	1897425.191	1114914.877	628.00
L	1897430.262	1114915.493	(627.95)
M	1897430.241	1114914.907	(627.99)
N	1897430.211	1114914.103	(628.01)

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER

0 5 10
SCALE IN FEET

	NORTHING	EASTING	ELEVATION		NORTHING	EASTING	ELEVATION
A	1897429.900	1114964.303	(628.36)	I	1897414.437	1114969.922	628.16
B	1897430.107	1114969.273	(628.5)	J	1897417.243	1114964.845	628.14
C	1897425.139	1114969.477	(628.22)	K	1897419.909	1114964.719	628.17
D	1897425.398	1114974.470	(628.4)	L	1897418.195	1114963.424	(628.29)
E	1897420.378	1114974.646	(628.33)	M	1897419.779	1114961.554	(628.1)
F	1897420.145	1114969.713	628.21	N	1897424.571	1114957.795	(628.03)
G	1897417.479	1114969.846	628.20	O	1897424.540	1114957.151	627.99
H	1897415.067	1114969.953	628.20	P	1897424.899	1114964.400	628.21

MODEL: Area13 - 07
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-sht-ADA-Area13-07.dgn

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

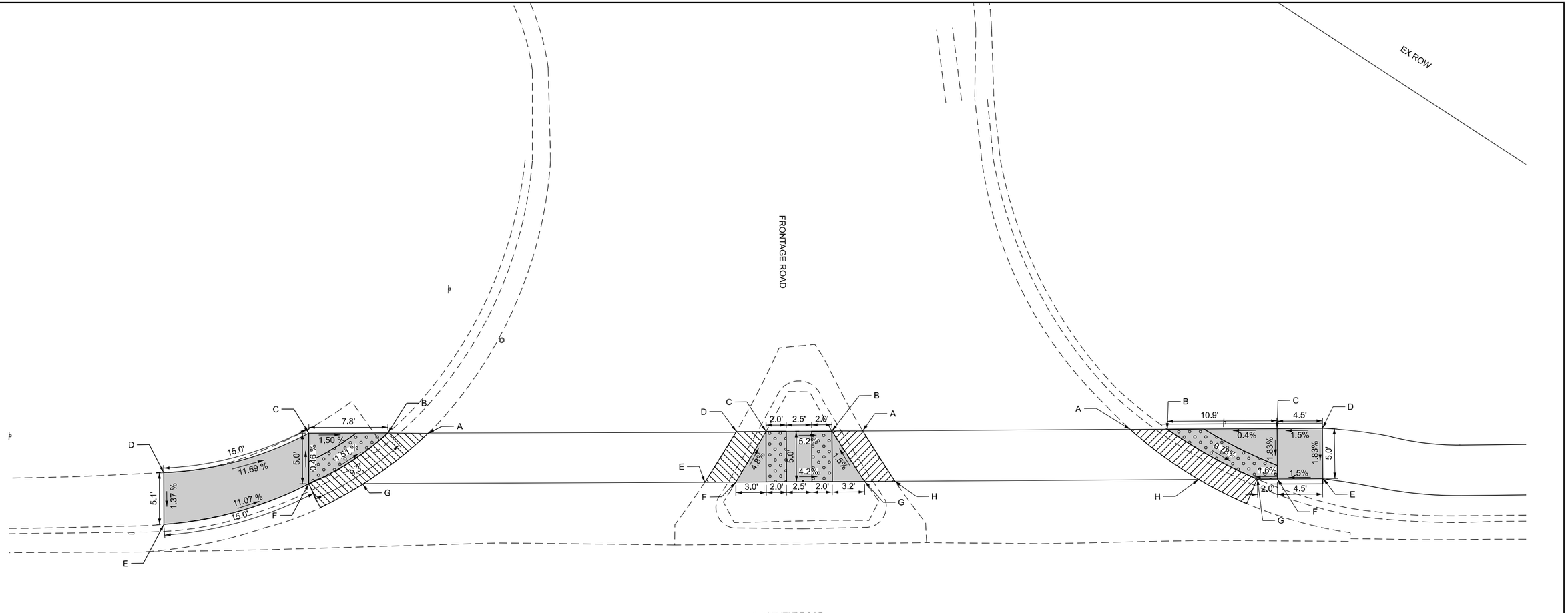
ADA RAMP DETAILS
17TH AVE (23RD ST TO MADISON ST)

SCALE: 1"=5' | SHEET 17 OF 19 SHEETS | STA. 0+00.00 TO STA. 3+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	55

CONTRACT NO. 62V90

ILLINOIS | FED. AID PROJECT



NORTHWEST CORNER

	NORTHING	EASTING	ELEVATION
A	1893343.69	1112143.83	631.55
B	1893343.58	1112139.88	631.58
C	1893343.30	1112132.06	631.70
D	1893338.89	1112117.86	(633.45)
E	1893333.77	1112118.05	(633.38)
F	1893338.29	1112132.25	631.72
G	1893338.43	1112137.57	631.70

NORTH ISLAND

	NORTHING	EASTING	ELEVATION
A	1893345.45	1112186.80	629.36
B	1893345.31	1112183.74	629.38
C	1893345.06	1112177.22	629.72
D	1893344.93	1112174.30	629.70
E	1893339.80	1112171.36	630.00
F	1893339.93	1112174.42	630.02
G	1893340.45	1112187.14	629.49
H	1893340.57	1112190.14	629.47

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER

NORTHEAST CORNER

	NORTHING	EASTING	ELEVATION
A	1893346.50	1112213.23	(628.77)
B	1893346.66	1112216.86	(628.78)
C	1893347.10	1112227.71	628.82
D	1893347.28	1112232.21	628.89
E	1893342.29	1112232.41	628.80
F	1893342.11	1112227.92	628.73
G	1893342.03	1112225.95	628.70
H	1893341.79	1112220.14	628.67

MODEL: ADA 17th - ADA 13 - 25TH AVE SW
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 1990789.0 Deliverables/3.3 CADD Data/Sheets/D162V90-sht-ADA-7.dgn

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
ROOSEVELT RD AT FRONTAGE ROAD

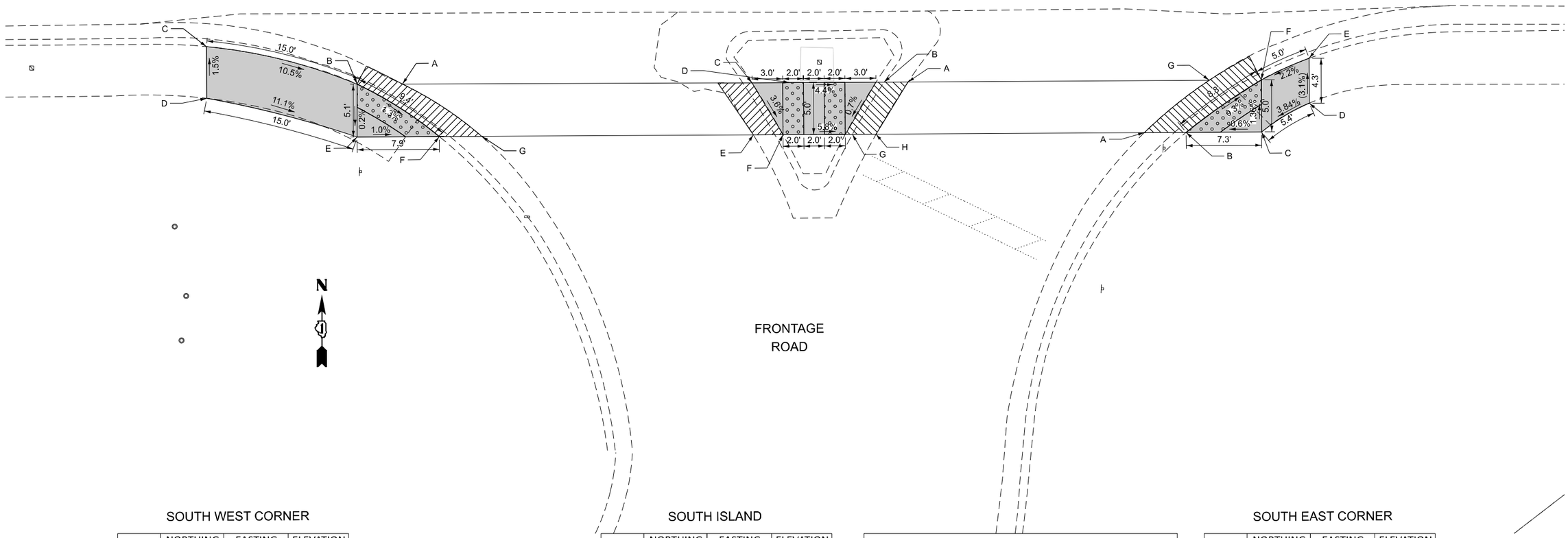
SCALE: 1"=5' | SHEET 18 OF 19 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	56

CONTRACT NO. 62V90

ILLINOIS | FED. AID PROJECT

ROOSEVELT ROAD



SOUTH WEST CORNER

	NORTHING	EASTING	ELEVATION
A	1893267.12	1112144.34	631.42
B	1893266.96	1112139.96	631.44
C	1893270.06	1112125.28	(633.02)
D	1893265.10	1112125.46	(633.01)
E	1893261.87	1112140.15	631.43
F	1893262.19	1112148.04	631.35
G	1893262.42	1112152.04	631.28

SOUTH ISLAND

	NORTHING	EASTING	ELEVATION
A	1893269.02	1112192.93	629.50
B	1893268.93	1112190.63	629.52
C	1893268.41	1112177.92	630.05
D	1893268.28	1112174.65	630.03
E	1893263.42	1112178.23	629.81
F	1893263.54	1112181.08	629.83
G	1893263.81	1112187.75	629.48
H	1893263.90	1112190.03	629.46

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER

SOUTH EAST CORNER

	NORTHING	EASTING	ELEVATION
A	1893264.95	1112215.82	628.87
B	1893265.11	1112219.84	628.89
C	1893265.41	1112227.10	628.94
D	1893268.33	1112231.58	(629.13)
E	1893272.64	1112231.41	(628.98)
F	1893270.41	1112226.89	628.87
G	1893270.20	1112221.88	628.82

MODEL: ADA 17th - ADA 15 - 25TH AVE SE
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEserve_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-sht-ADA-8.dgn

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
ROOSEVELT RD AT FRONTAGE ROAD

SCALE: 1"=5' | SHEET 19 OF 19 SHEETS | STA. | TO STA.

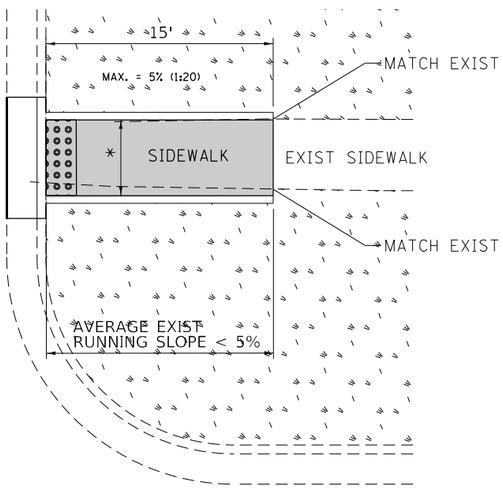
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	57

CONTRACT NO. 62V90

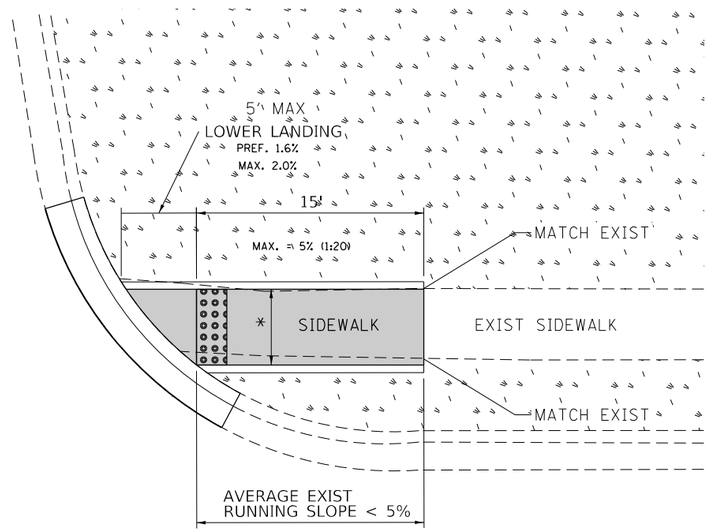
ILLINOIS | FED. AID PROJECT

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

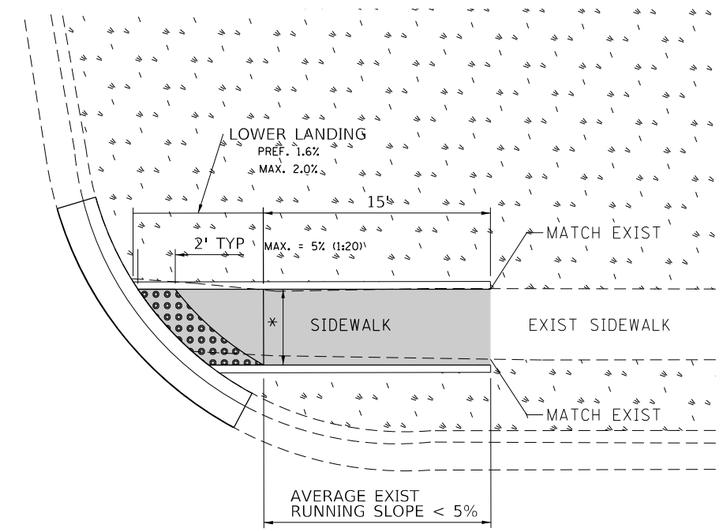
PD-01A



PD-01B



PD-01C



DESIGNER NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:48).
2) SIDEWALK REALIGNMENT WILL REQUIRE DETAILED DESIGN.
3) AREAS SURROUNDED BY PCC/ASPHALT, BUILDINGS, OR ARE NEAR TO DRIVEWAYS, REALIGNED SIDEWALK, UTILITY AND SIGNAL POLES, OR WHEN PRIVATE SIDEWALK TIES IN, WILL REQUIRE DETAILED SURVEY AND DESIGN.
4) ALL BRICK CORNERS WILL REQUIRE SUPERVISOR APPROVAL BEFORE USING PROJECT DETAILS

LEGEND

PROPOSED SIDE CURB

EXIST. GRASS

PROPOSED SIDEWALK

DETECTABLE WARNINGS

CONSTRUCTION NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:48) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

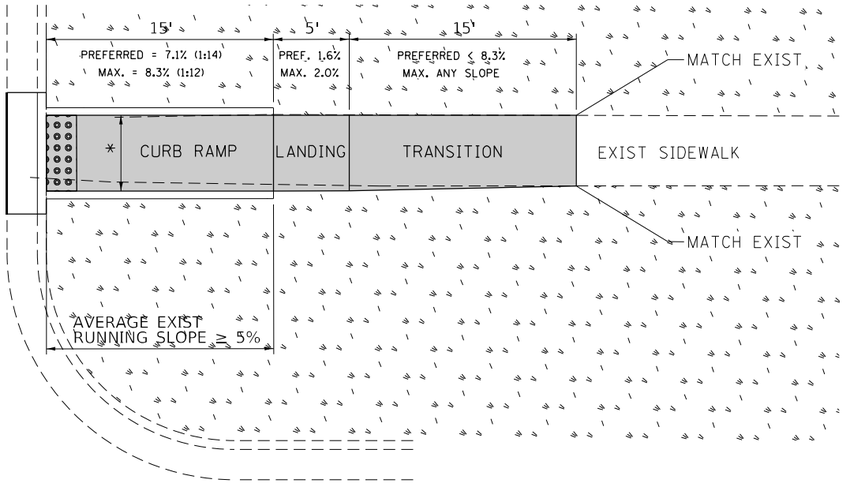
PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD-01)

SCALE: SHEET OF SHEETS STA. TO STA.

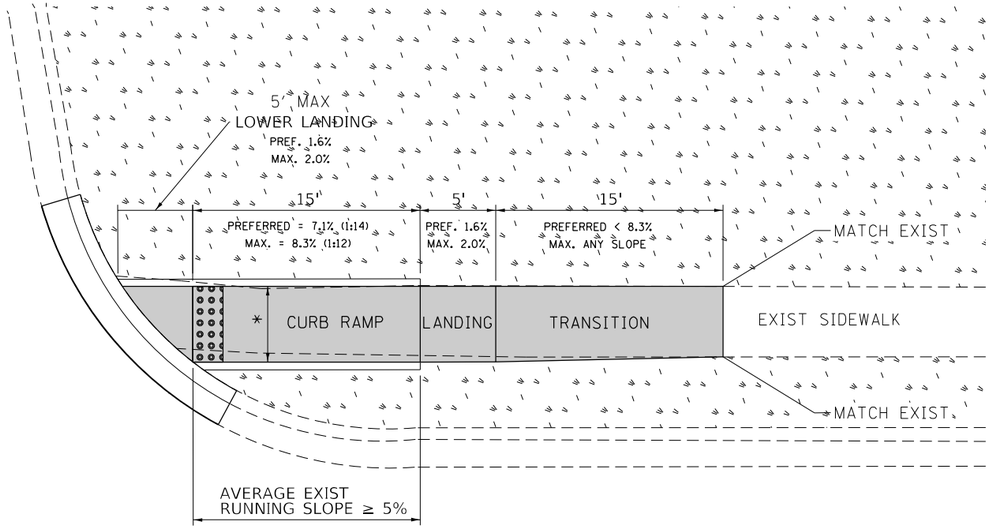
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	58
	PD-01	CONTRACT NO. 62V90		
	ILLINOIS FED. AID PROJECT			

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

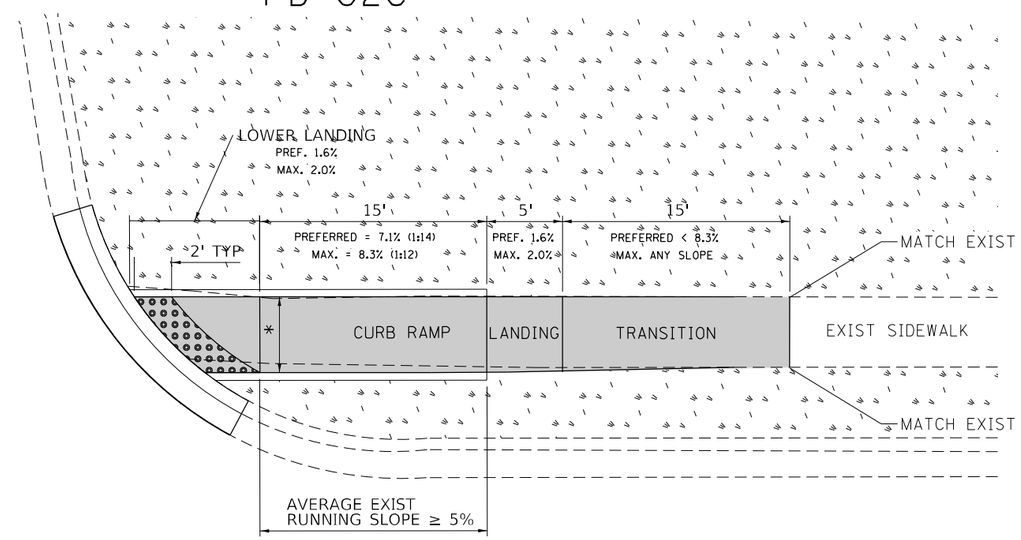
PD-02A



PD-02B



PD-02C



DESIGNER NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:48).
2) SIDEWALK REALIGNMENT WILL REQUIRE DETAILED DESIGN.
3) AREAS SURROUNDED BY PCC/ASPHALT, BUILDINGS, OR ARE NEAR TO DRIVEWAYS, REALIGNED SIDEWALK, UTILITY AND SIGNAL POLES, OR WHEN PRIVATE SIDEWALK TIES IN, WILL REQUIRE DETAILED SURVEY AND DESIGN.
4) ALL BRICK CORNERS WILL REQUIRE SUPERVISOR APPROVAL BEFORE USING PROJECT DETAILS

LEGEND

PROPOSED SIDE CURB

EXIST. GRASS

PROPOSED SIDEWALK

DETECTABLE WARNINGS

CONSTRUCTION NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:48) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

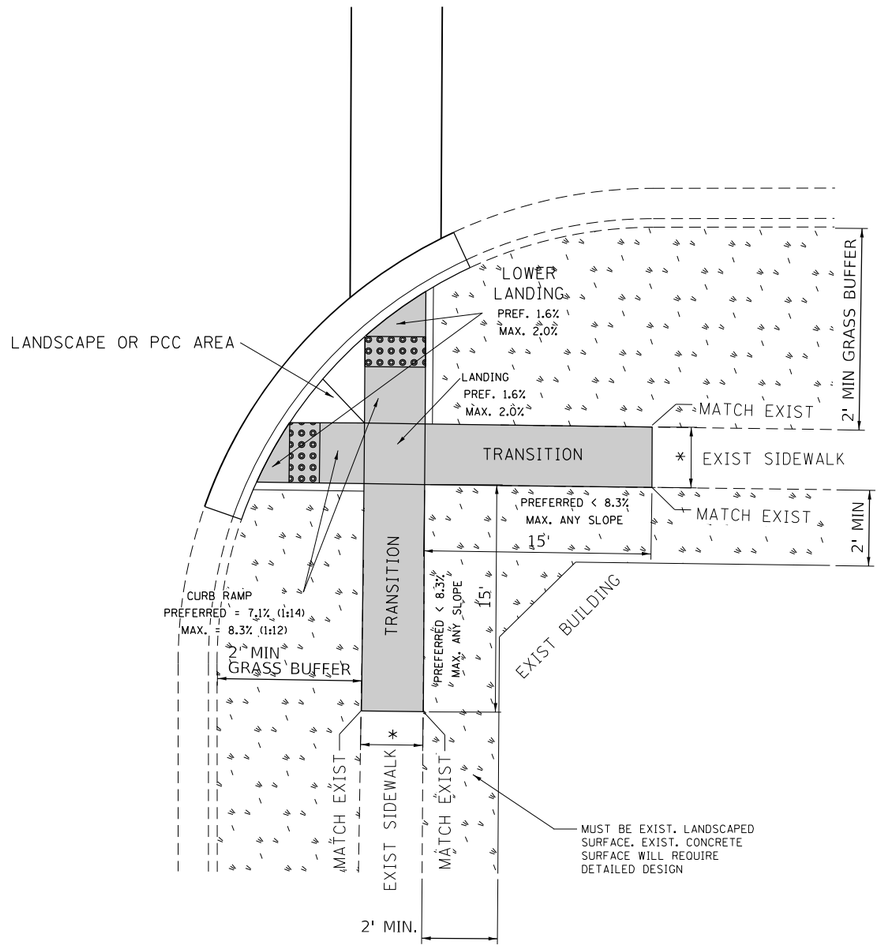
PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD-02)

SCALE: SHEET OF SHEETS STA. TO STA.

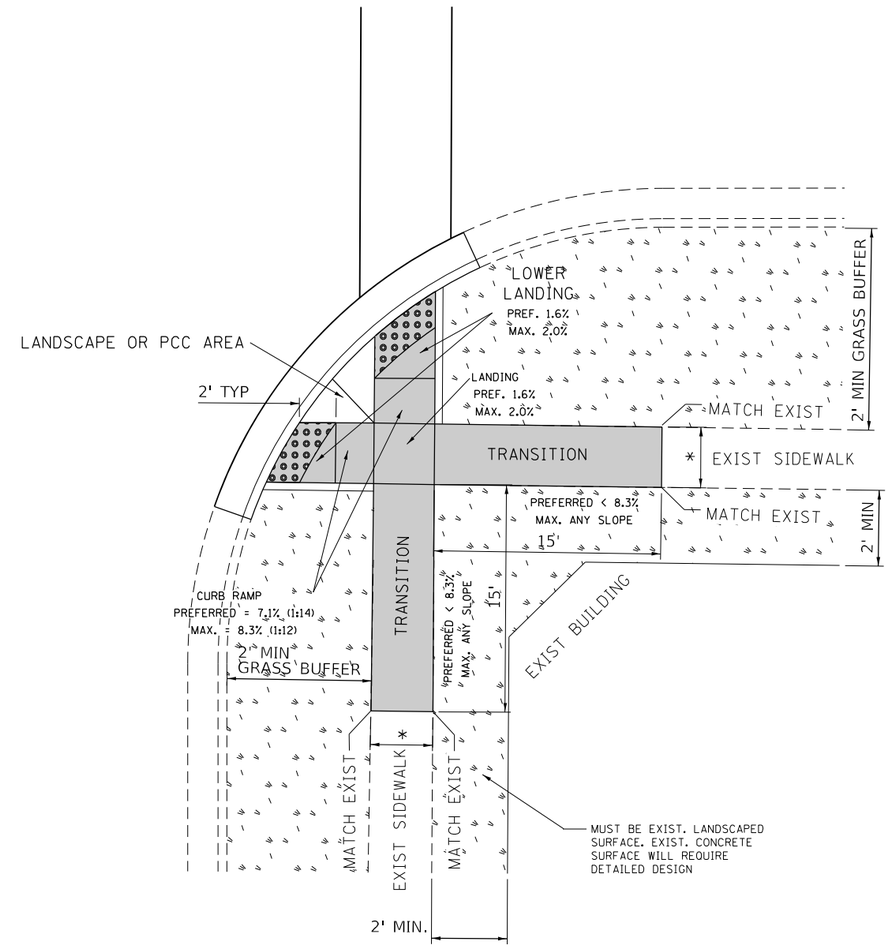
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	59
	PD-02	CONTRACT NO. 62V90		
	ILLINOIS FED. AID PROJECT			

ADA DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS

PD-03A



PD-03B



DESIGNER NOTES:

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4) ALL BRICK CORNERS WILL REQUIRE SUPERVISOR APPROVAL BEFORE USING PROJECT DETAILS

LEGEND

PROPOSED SIDE CURB

EXIST. GRASS

PROPOSED SIDEWALK

DETECTABLE WARNINGS

CONSTRUCTION NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:48) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

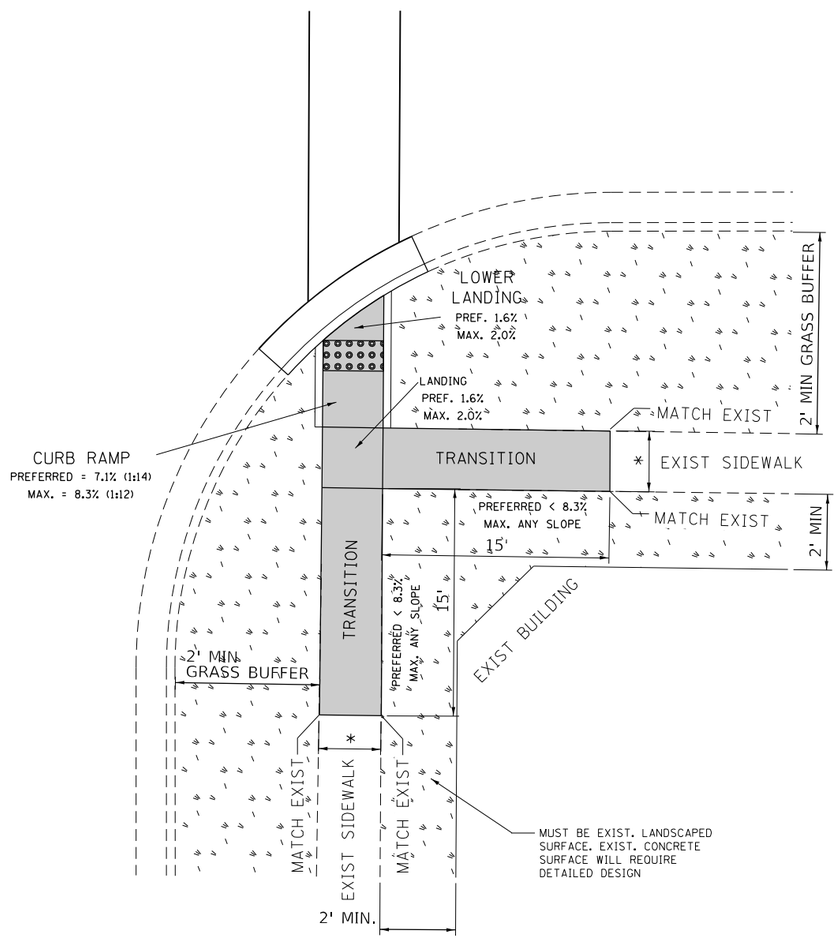
PROJECT DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS
(PD-03)

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

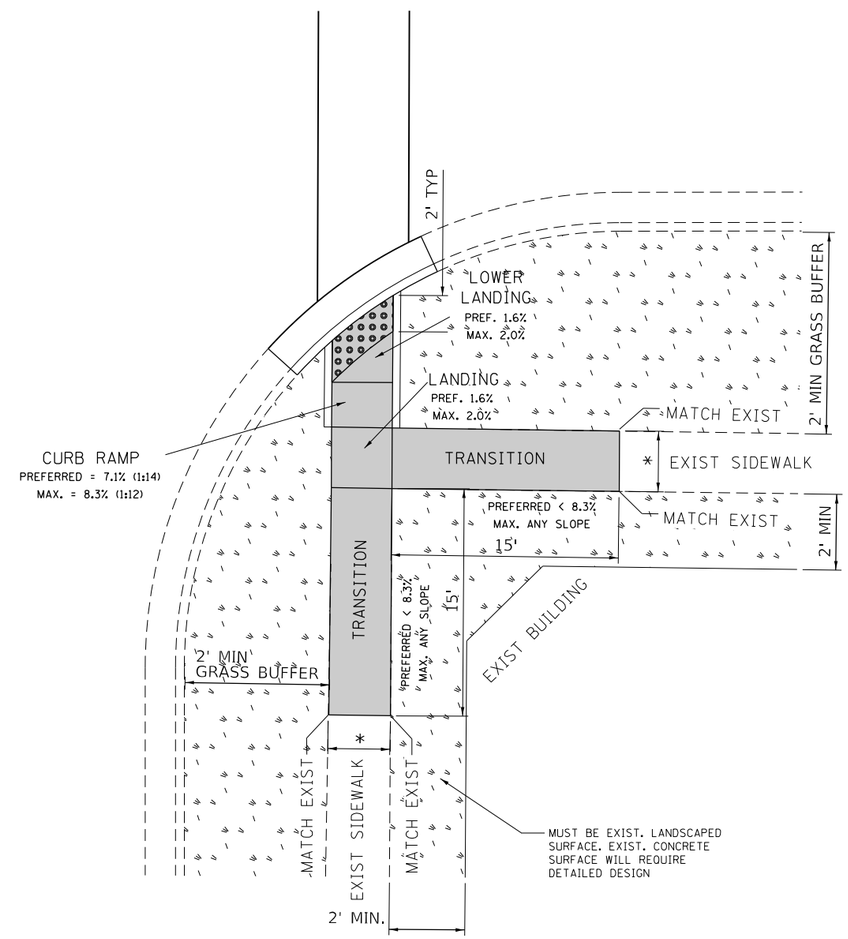
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	60
	PD-03	CONTRACT NO. 62V90		
	ILLINOIS FED. AID PROJECT			

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ TURNING SPACE

PD-04A



PD-04B



DESIGNER NOTES:

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4) ALL BRICK CORNERS WILL REQUIRE SUPERVISOR APPROVAL BEFORE USING PROJECT DETAILS

LEGEND

PROPOSED SIDE CURB

EXIST. GRASS

PROPOSED SIDEWALK

DETECTABLE WARNINGS

CONSTRUCTION NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:48) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

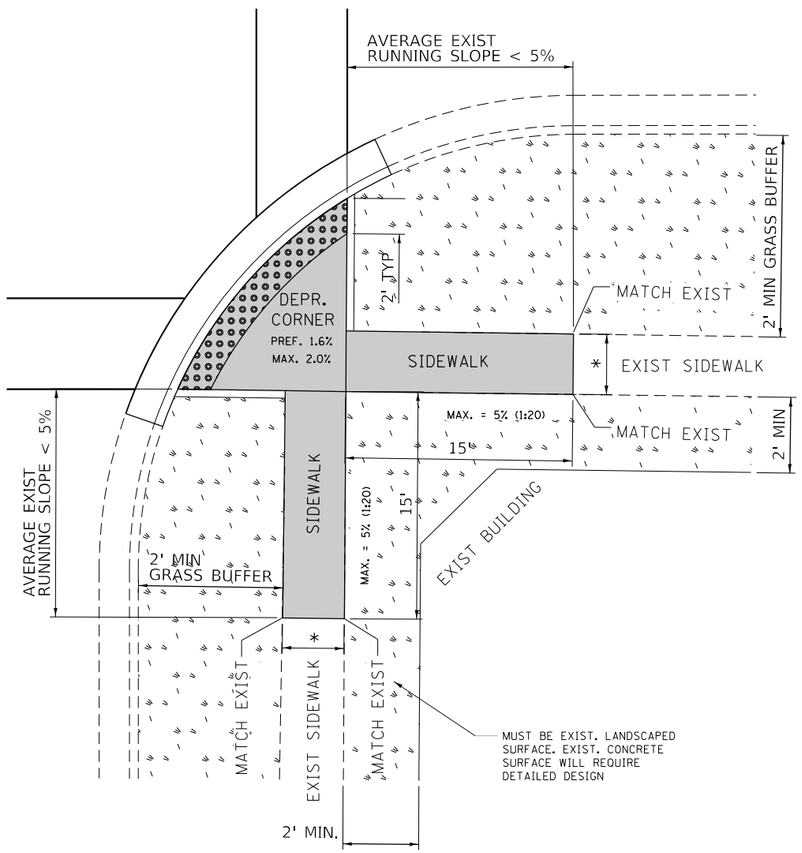
PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/TURNING SPACE (PD-04)

SCALE: SHEET OF SHEETS STA. TO STA.

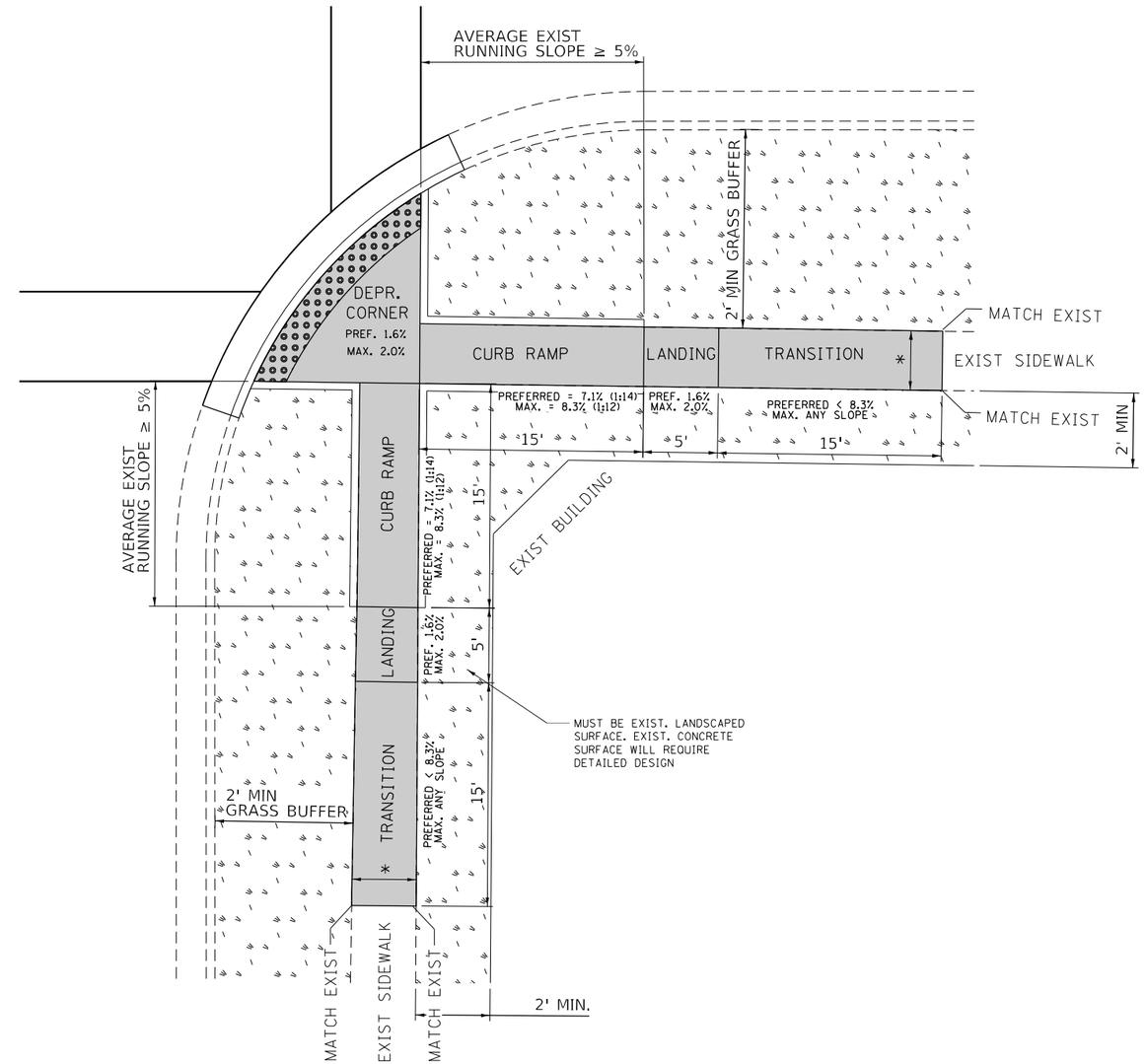
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	61
	PD-04	CONTRACT NO. 62V90		
	ILLINOIS FED. AID PROJECT			

ADA DETAIL FOR DEPRESSED CORNER CURB RAMPS

PD-05A



PD-05B



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2) SIDEWALK REALIGNMENT WILL REQUIRE DETAILED DESIGN.
3) AREAS SURROUNDED BY PCC/ASPHALT, BUILDINGS, OR ARE NEAR TO DRIVEWAYS, REALIGNED SIDEWALK, UTILITY AND SIGNAL POLES, OR WHEN PRIVATE SIDEWALK TIES IN, WILL REQUIRE DETAILED SURVEY AND DESIGN.
4) ALL BRICK CORNERS WILL REQUIRE SUPERVISOR APPROVAL BEFORE USING PROJECT DETAILS

LEGEND

PROPOSED SIDE CURB

EXIST. GRASS

PROPOSED SIDEWALK

DETECTABLE WARNINGS

CONSTRUCTION NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:48) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

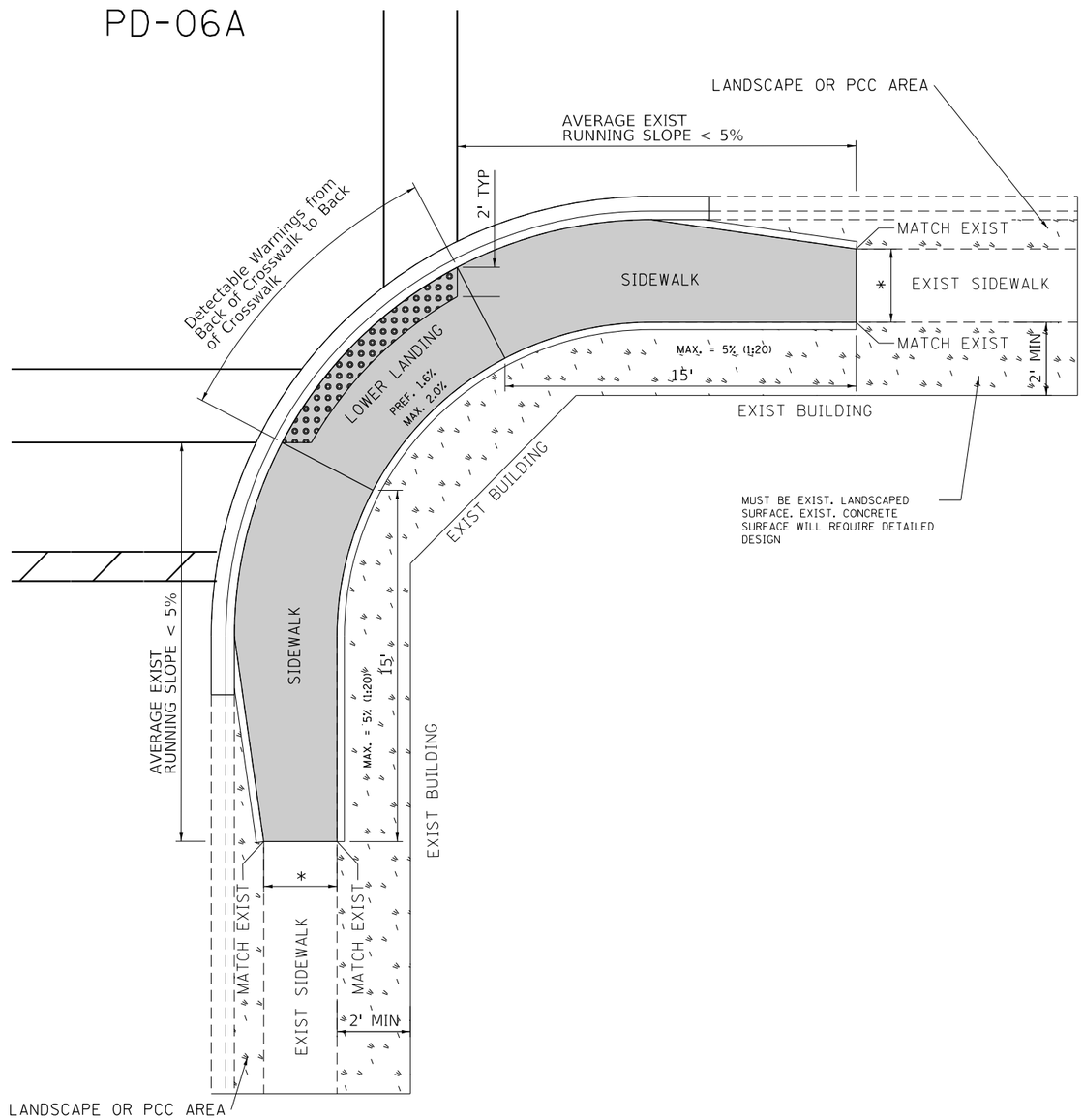
PROJECT DETAIL FOR DEPRESSED CORNER CURB RAMPS
(PD–05)

SCALE: SHEET OF SHEETS STA. TO STA.

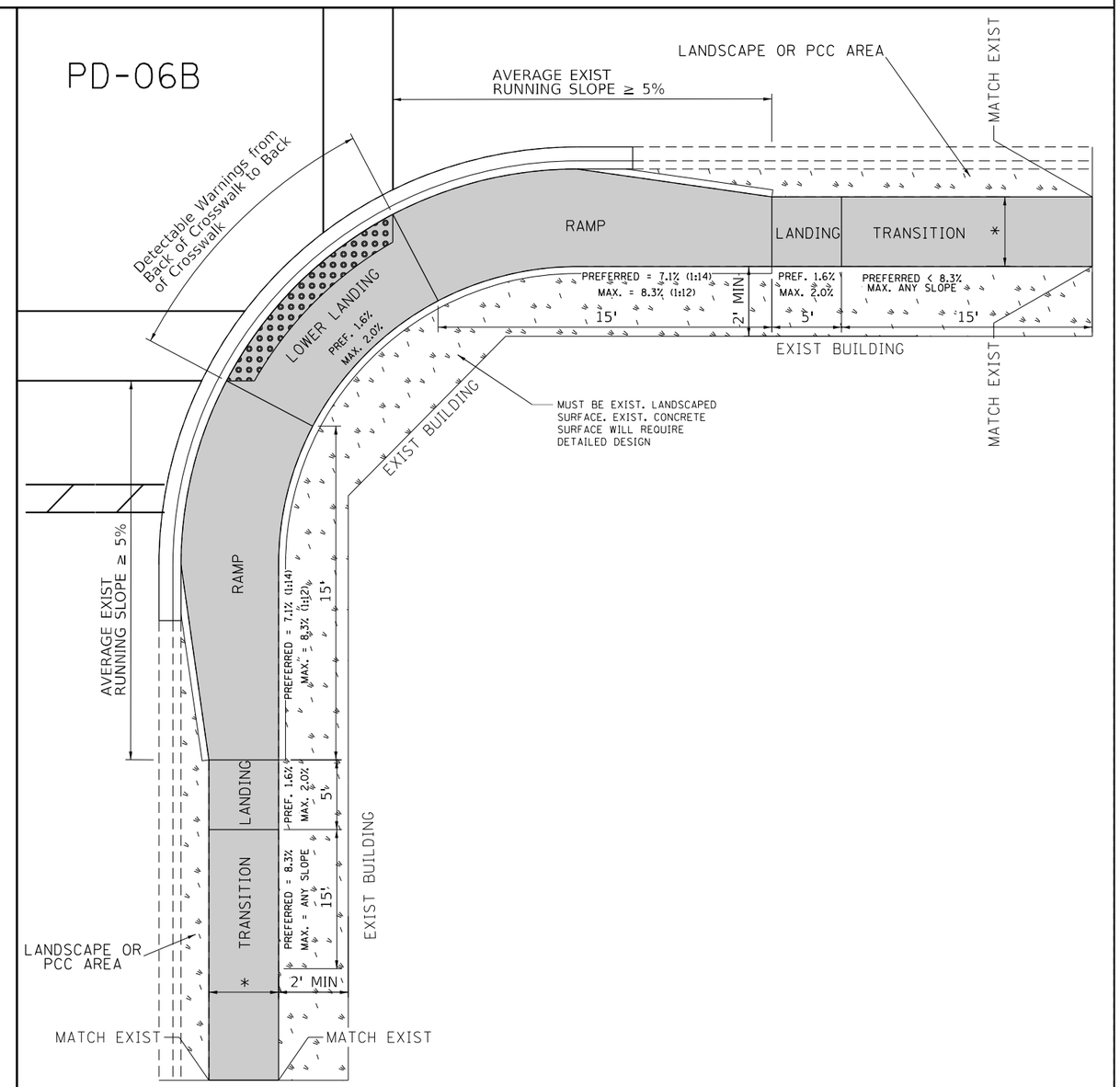
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	62
	PD-05	CONTRACT NO. 62V90		
	ILLINOIS FED. AID PROJECT			

ADA DETAIL FOR PARALLEL CURB RAMPS ADJACENT TO LANDSCAPING

PD-06A



PD-06B



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4) ALL BRICK CORNERS WILL REQUIRE SUPERVISOR APPROVAL BEFORE USING PROJECT DETAILS

LEGEND

PROPOSED SIDE CURB

EXIST. GRASS

PROPOSED SIDEWALK

DETECTABLE WARNINGS

CONSTRUCTION NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:48) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT DETAIL FOR PARALLEL CURB RAMPS
(PD–06)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	63
	PD-06	CONTRACT NO. 62V90		
	ILLINOIS FED. AID PROJECT			

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED
CONTROLLER CABINET		
COMMUNICATION CABINET	ECC	CC
MASTER CONTROLLER	EMC	MC
MASTER MASTER CONTROLLER	EMMC	MMC
UNINTERRUPTABLE POWER SUPPLY		
SERVICE INSTALLATION -(P) POLE MOUNTED	P	P
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	G GM	G GM
TELEPHONE CONNECTION	ET	T
STEEL MAST ARM ASSEMBLY AND POLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY		BM
WOOD POLE		
GUY WIRE		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD OPTICALLY PROGRAMMED	P P	P P
FLASHER INSTALLATION -(FS) SOLAR POWERED	F FS F FS	F FS F FS
PEDESTRIAN SIGNAL HEAD		
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	APS	APS
RADAR DETECTION SENSOR	R	R
VIDEO DETECTION CAMERA	V	V
RADAR/VIDEO DETECTION ZONE		
PAN, TILT, ZOOM (PTZ) CAMERA	PTZ	PTZ
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIMATION BEACON		
WIRELESS INTERCONNECT		
WIRELESS INTERCONNECT RADIO REPEATER	ERR	RR

ITEM	EXISTING	PROPOSED
HANDHOLE -SQUARE -ROUND		
HEAVY DUTY HANDHOLE -SQUARE -ROUND	H	H
DOUBLE HANDHOLE		
JUNCTION BOX		
RAILROAD CANTILEVER MAST ARM		
RAILROAD FLASHING SIGNAL		
RAILROAD CROSSING GATE		
RAILROAD CROSSBUCK		
RAILROAD CONTROLLER CABINET		
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL		
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE		
SYSTEM ITEM	S	SP
INTERSECTION ITEM	I	IP
REMOVE ITEM		R
RELOCATE ITEM		RL
ABANDON ITEM		A
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF
MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF
SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF
DETECTOR LOOP, TYPE I		
PREFORMED DETECTOR LOOP	P P	P P
SAMPLING (SYSTEM) DETECTOR	S S	S S
INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	IS IS	IS IS
QUEUE AND SAMPLING (SYSTEM) DETECTOR	QS QS	QS QS
WIRELESS DETECTOR SENSOR	W	W
WIRELESS ACCESS POINT		

ITEM	EXISTING	PROPOSED
SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD	R Y G Y G P	R Y G Y G P
SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE	R Y G Y G P RB	R Y G Y G P RB
PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	C D	C D
ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED	5	5
GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)	1#6	1#6
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C	1	1
COAXIAL CABLE	C	C
VENDOR CABLE	V	V
COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED	6#18	6#18
FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F	12F 24F 36F	12F 24F 36F
GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	C M P S	C M P S

TS SHT NO. 1

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Michael Baker INTERNATIONAL
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 1 OF 7 SHEETS | STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	64
	TS-05	CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	

LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

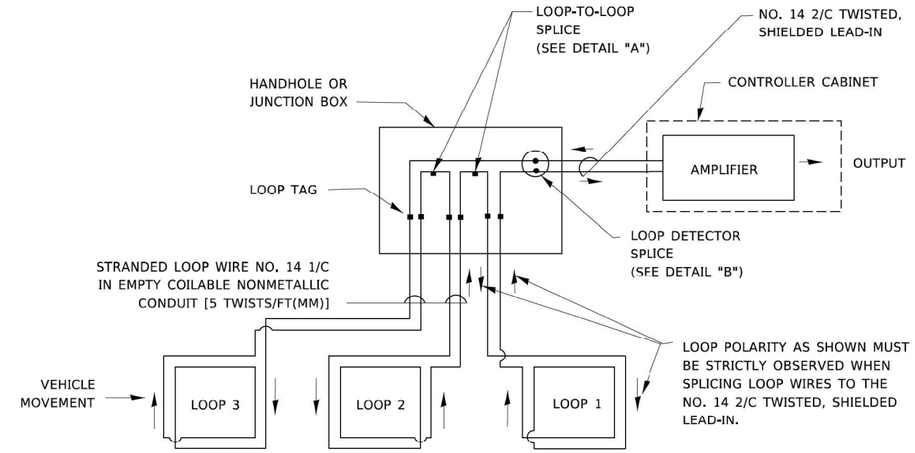
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

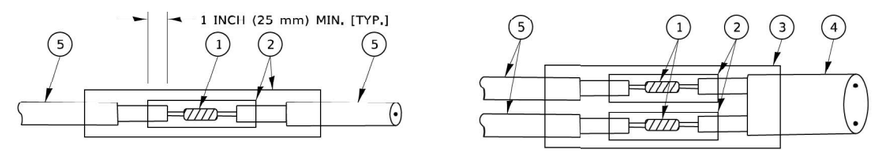
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.



DETECTOR LOOP WIRING SCHEMATIC

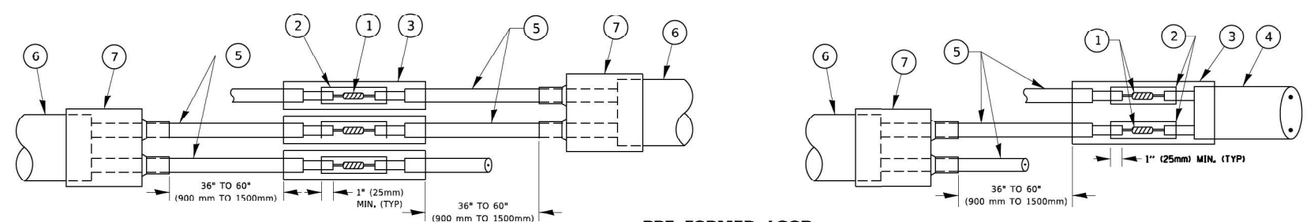
- LOOPS SHALL BE SPLICED IN SERIES. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE,
- THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.



DETAIL "A"
LOOP-TO-LOOP SPLICE

DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP

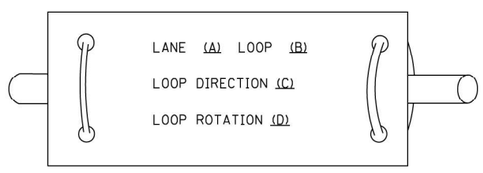


DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE–FORMED LOOP

DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP LEAD–IN CABLE TAG



A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

LOOP DETECTOR SPLICE

1. WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
2. WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
3. WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.
4. NO. 14 2/C TWISTED, SHIELDED CABLE.
5. LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP
6. XL POLYOLEFIN 2 CONDUCTOR
7. BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

TS SHT NO. 2

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PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/4/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

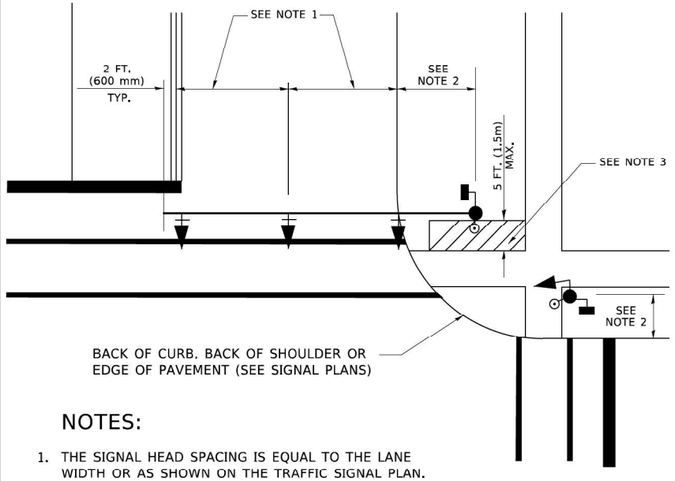
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 2 OF 7 SHEETS | STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	65
	TS–05	CONTRACT NO. 62V90		
		ILLINOIS FED. AID PROJECT		

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

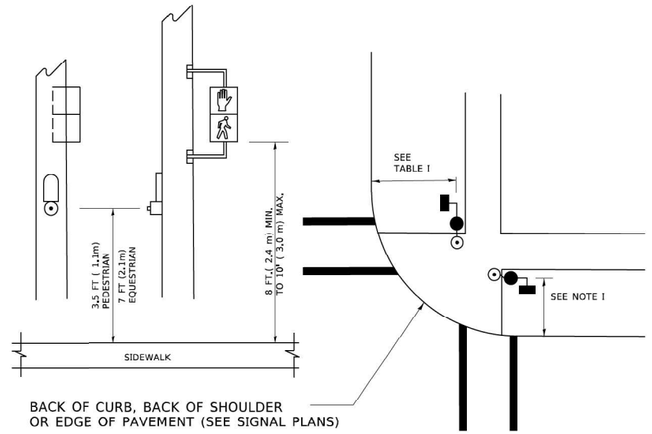
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

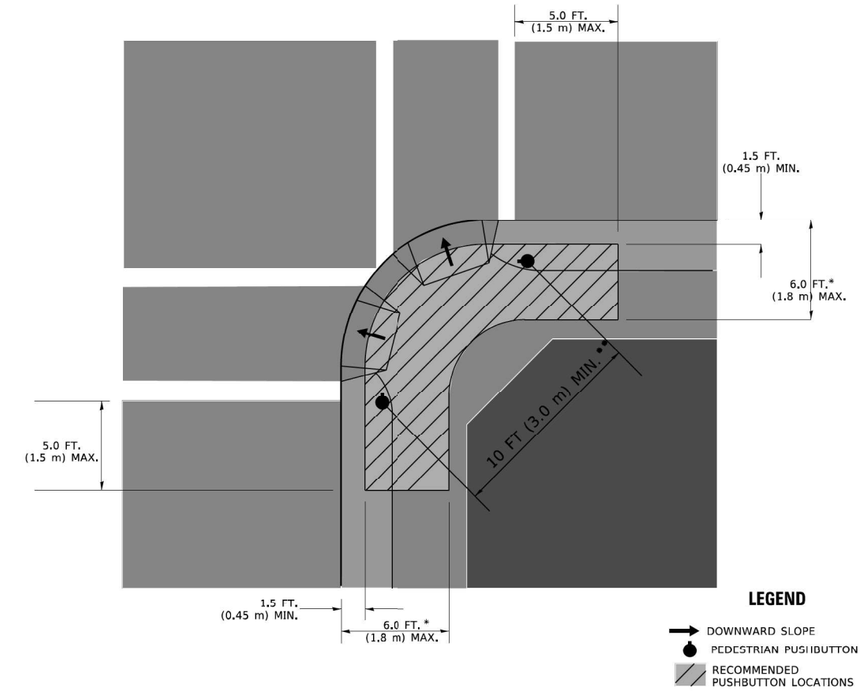
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



* WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TOTHE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

TS SHT NO. 3

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 3 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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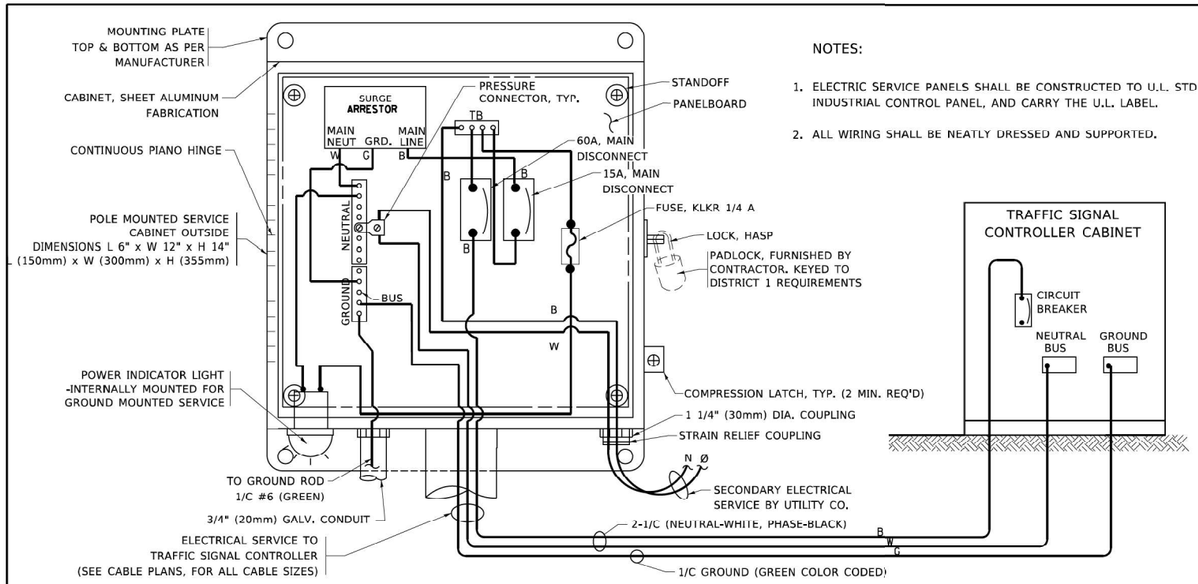
	TS-05	CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	



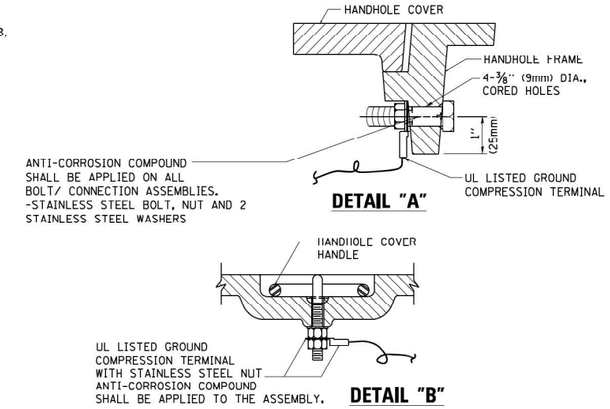
NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)

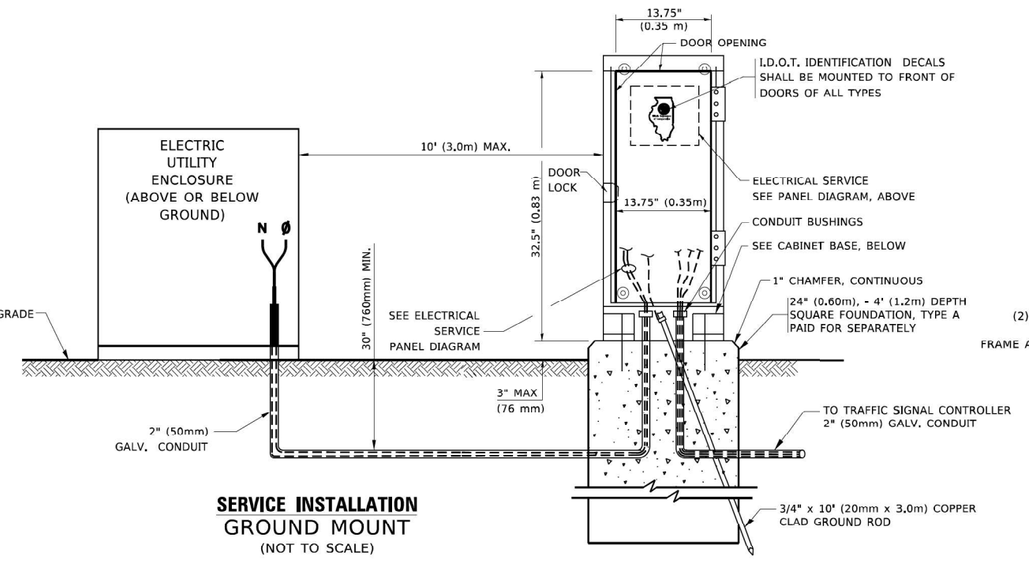
(NOT TO SCALE)



NOTES:

GROUNDING SYSTEM

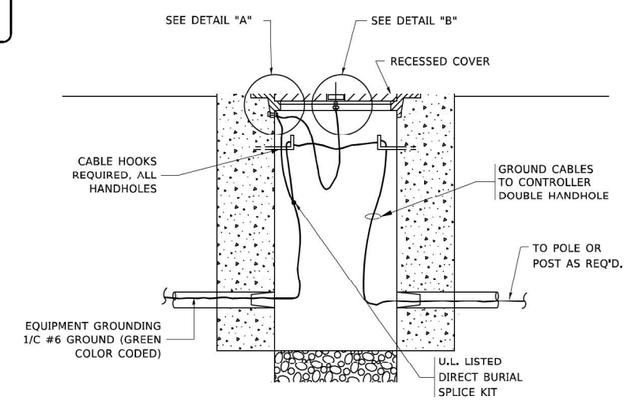
1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC,). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



SERVICE INSTALLATION

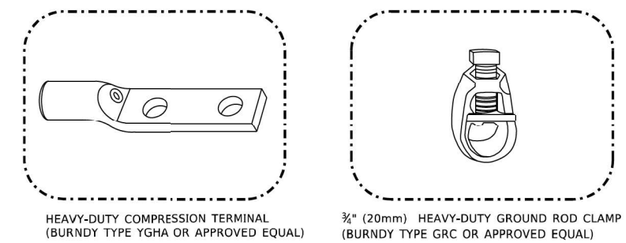
GROUND MOUNT

(NOT TO SCALE)



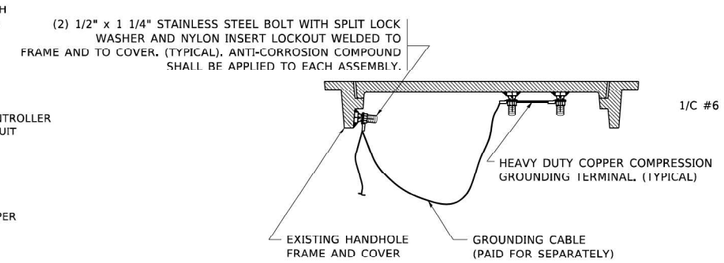
HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



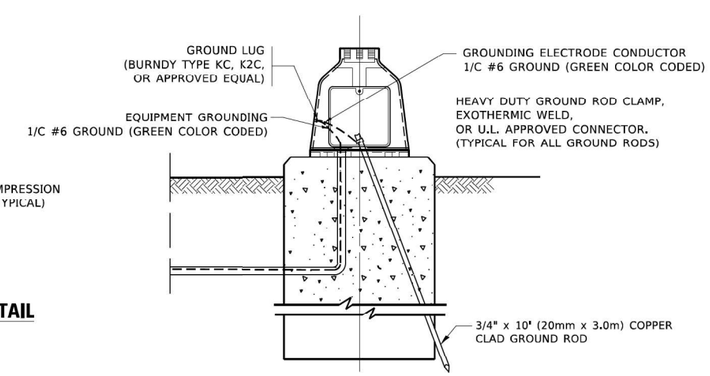
NOTES:

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
  6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
  13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
  5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



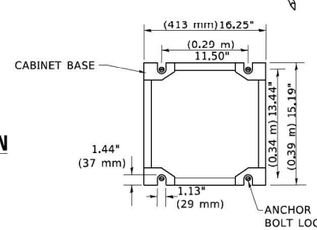
EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



MAST ARM POLE /POST–GROUNDING DETAIL

(NOT TO SCALE)



CABINET – BASE BOLT PATTERN

(NOT TO SCALE)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 4 OF 7 SHEETS | STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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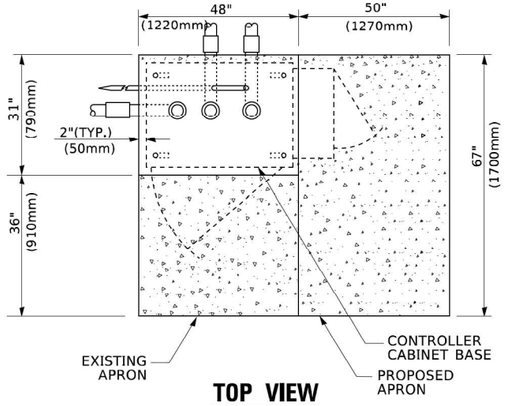
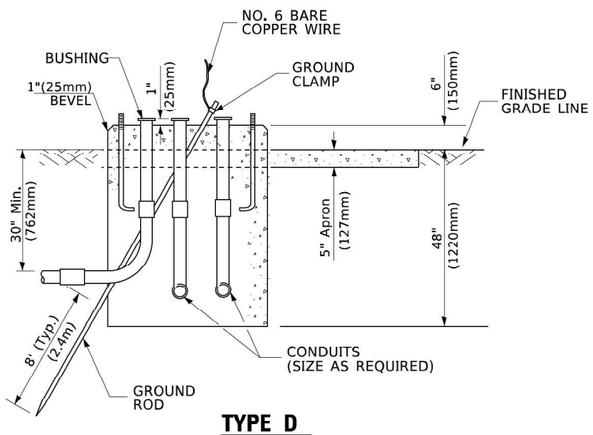
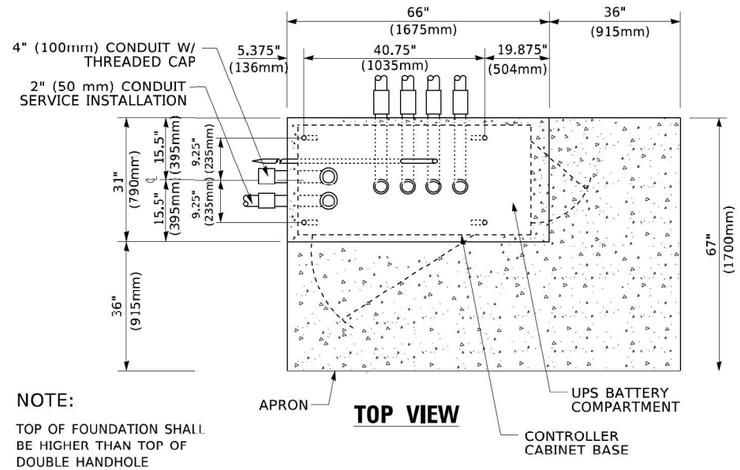
	TS–05	CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	



TOP VIEW



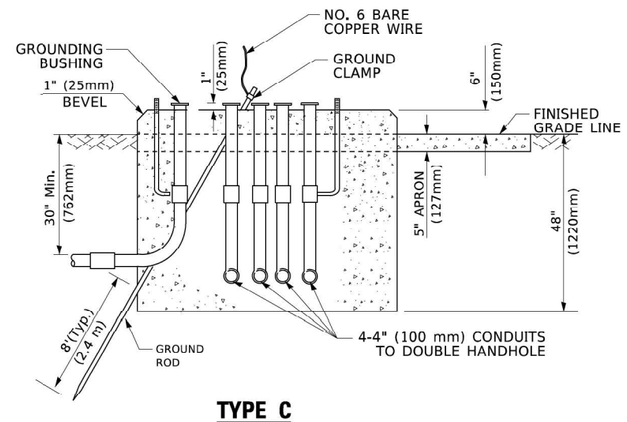
TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



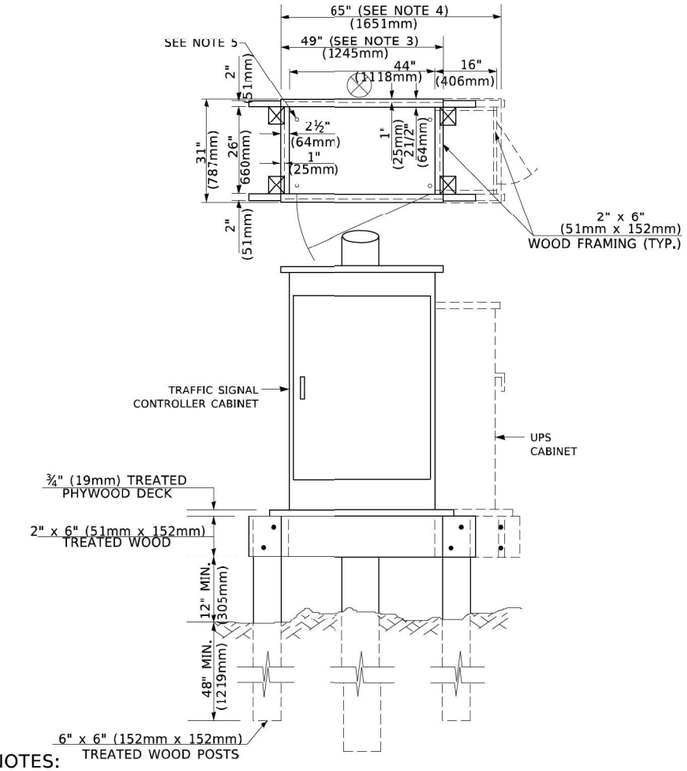
NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE

TOP VIEW



TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations
4. For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 5 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	TS-05	CONTRACT NO. 62V90		
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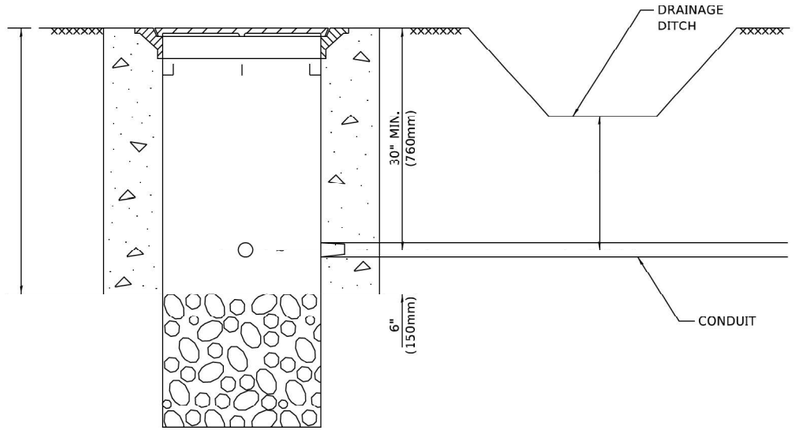
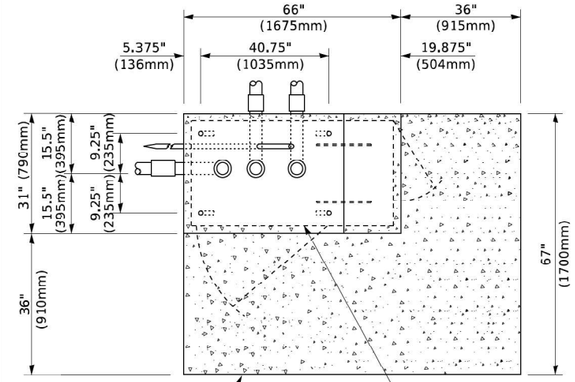


NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

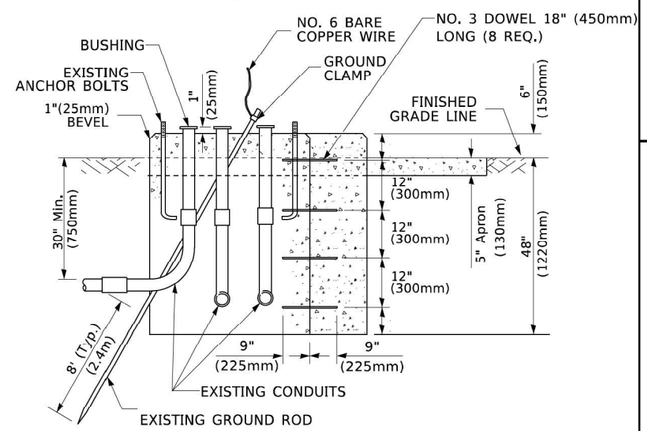
HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



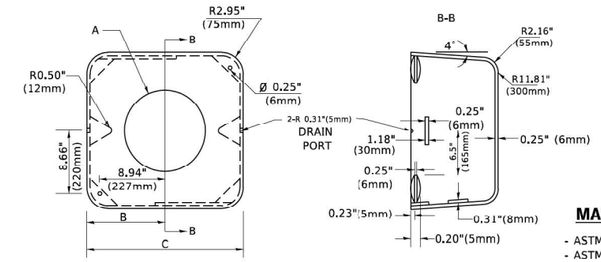
TOP VIEW

(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION

(NOT TO SCALE)



MATERIAL

- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

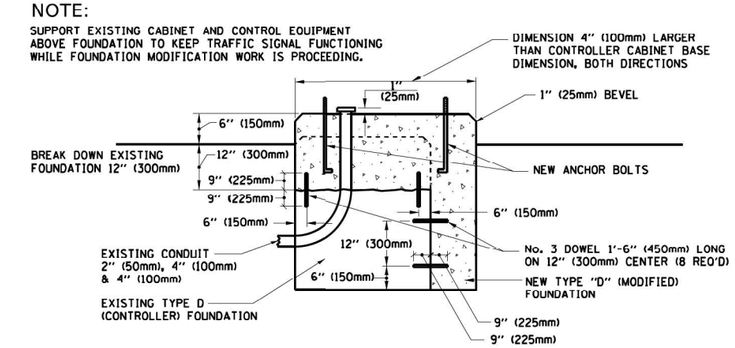
SHROUD

NOTES:

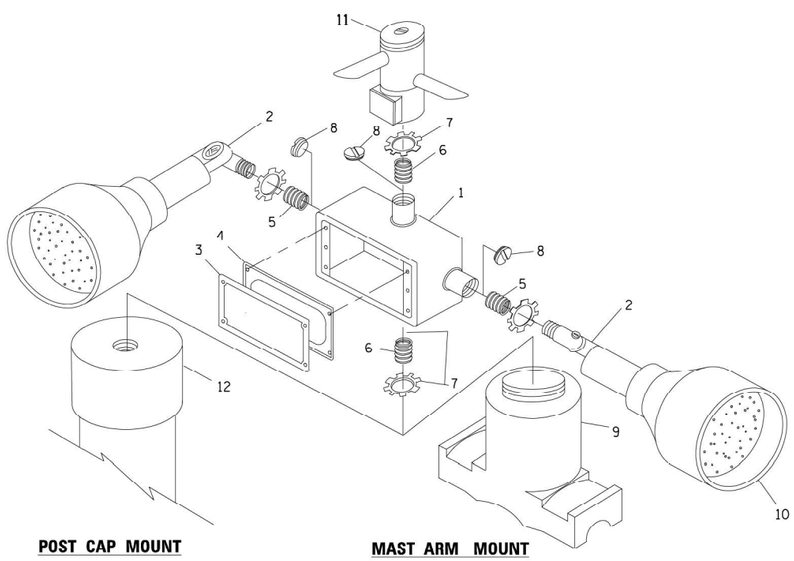
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



POST CAP MOUNT

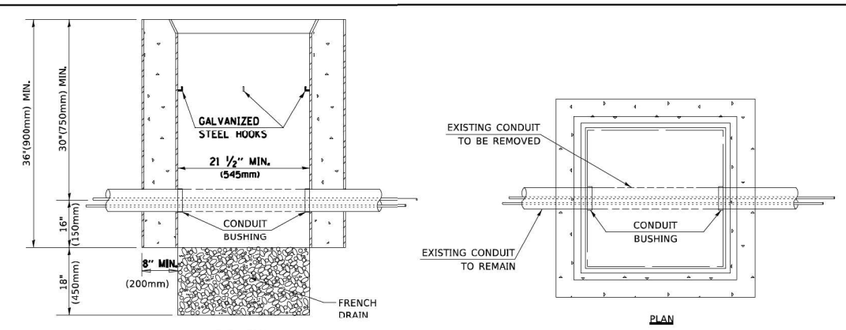
MAST ARM MOUNT

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	¾"(19 mm) CLOSE NIPPLE
7	¾"(19 mm) LOCKNUT
8	¾"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
   ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
   ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4 "(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

TS SHT NO. 6

MODEL: Default
FILE NAME: pw:\\IL084EBIDINTEC.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\DistStd22x34\CADData\CADsheets\ts05.dgn

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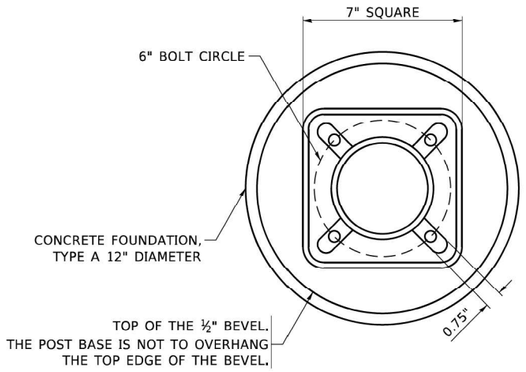
USER NAME = footeml	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/4/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 6 OF 7 SHEETS | STA. | TO STA.

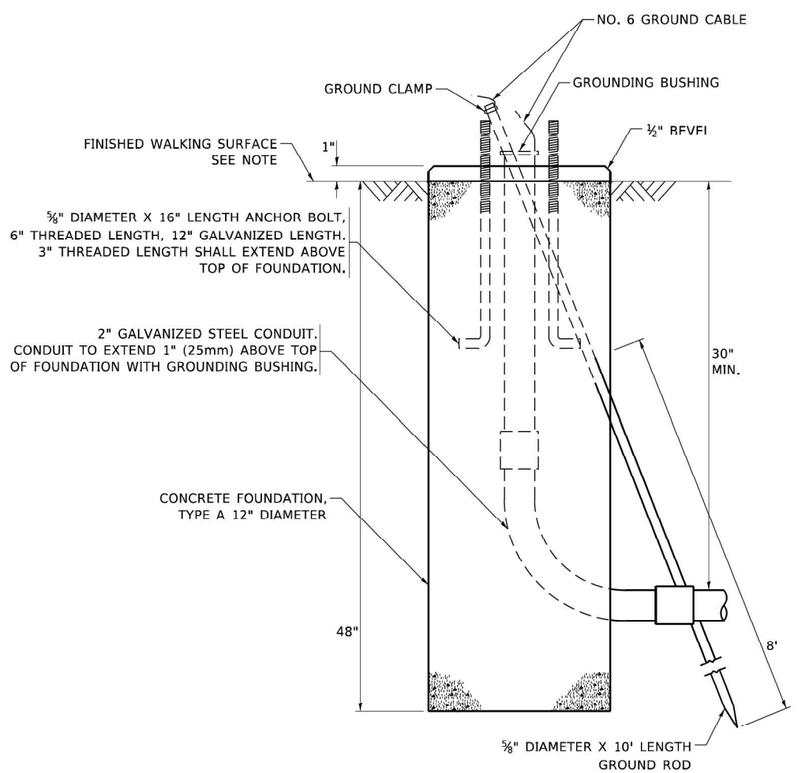
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	69
	TS-05	CONTRACT NO. 62V90		
		ILLINOIS FED. AID PROJECT		



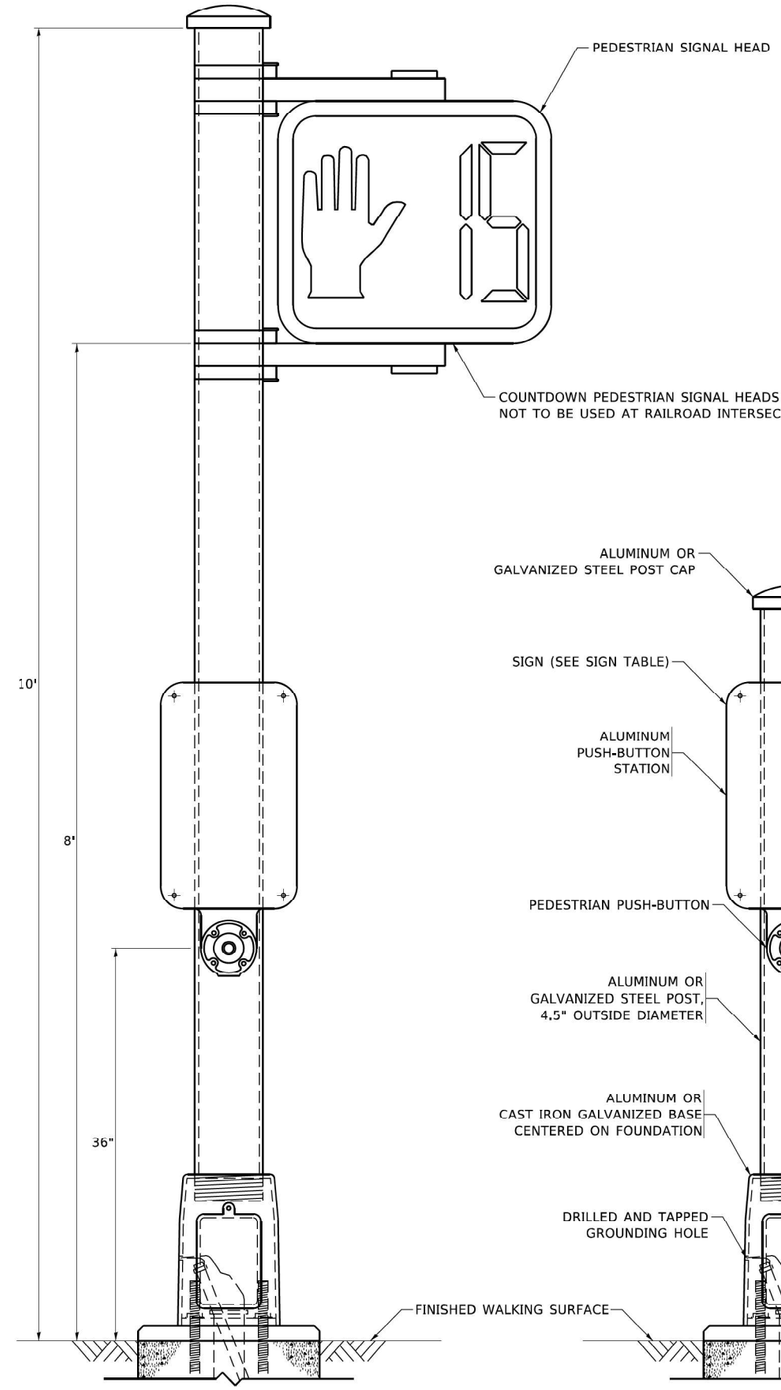
BOLT PATTERN

NOTE:

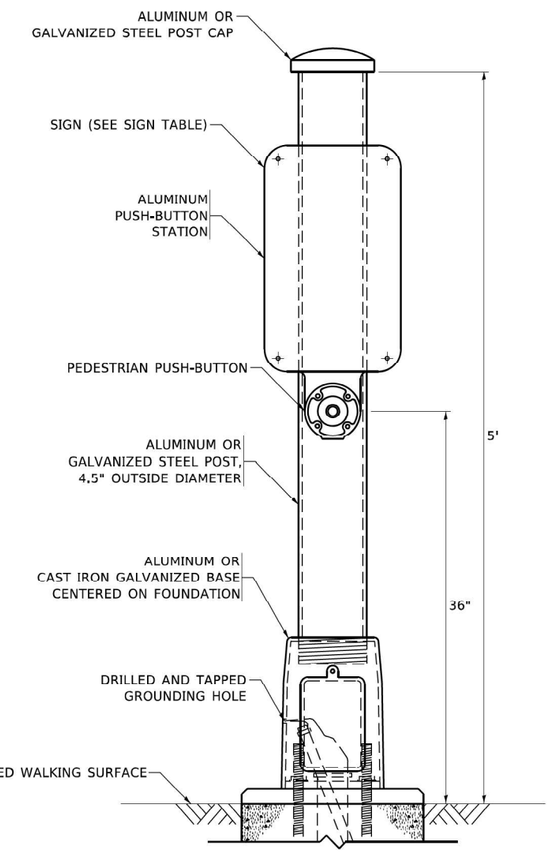
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



CONCRETE FOUNDATION, TYPE A 12–INCH DIAMETER



PEDESTRIAN SIGNAL POST, 10 FT.



PEDESTRIAN SIGNAL POST, 5 FT.

R10–3b **R10–3d** **R10–3e**

SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 12"

NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

TS SHT NO. 7

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USER NAME = gaglianobt	DESIGNED - IP	REVISED - 10-15-2020	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
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PLOT DATE = 11/23/2020	DATE - 10-15-2018	REVISED -	

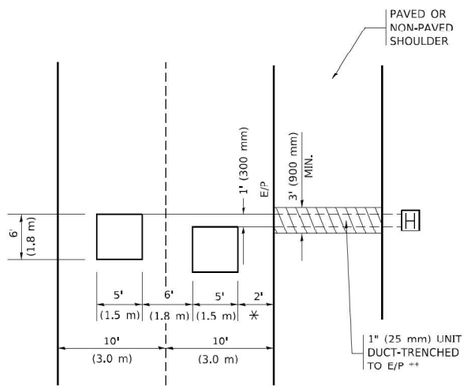
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 7 OF 7 SHEETS | STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	70
	TS–05	CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	

LOOPS NEXT TO SHOULDERS

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



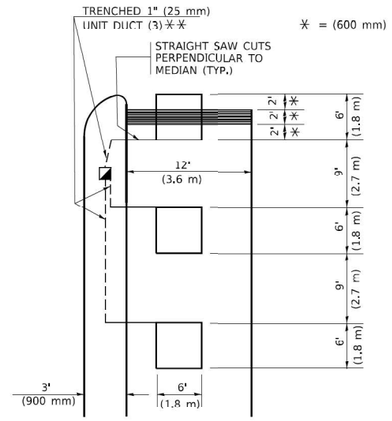
* = (600 mm)

** 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.

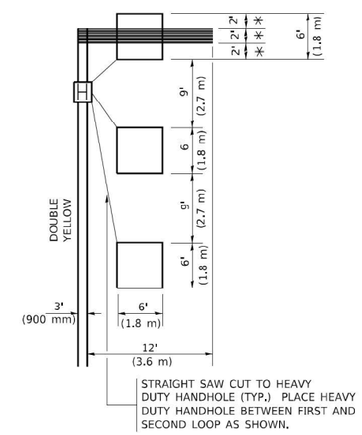


X X UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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

LEFT TURN LANES WITHOUT MEDIANS

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



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

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.

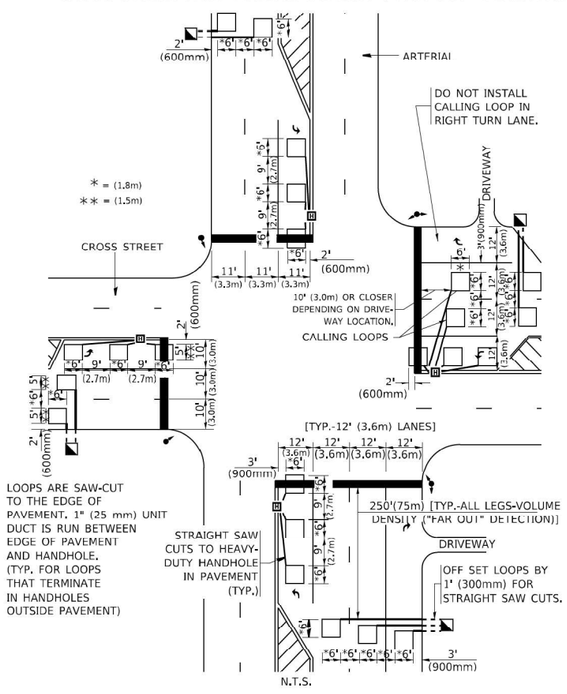
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

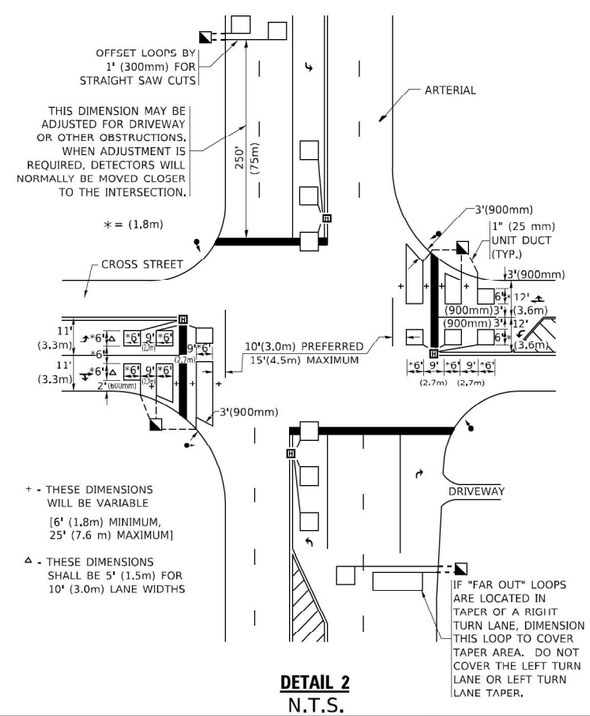
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

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



DETAIL 1
N.T.S.

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



DETAIL 2
N.T.S.

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Michael Baker INTERNATIONAL 200 West Adams Street, Suite 1800, Chicago, IL 60606 Phone: (312) 707-8770 · MBAKERINTL.COM	USER NAME = footem	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / in.	CHECKED - R.K.F.	REVISED -
	PLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 – DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

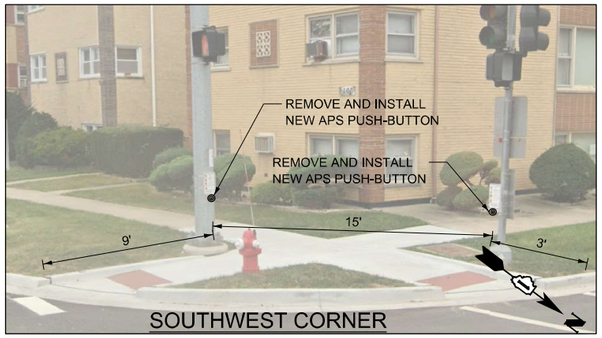
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. TO STA.

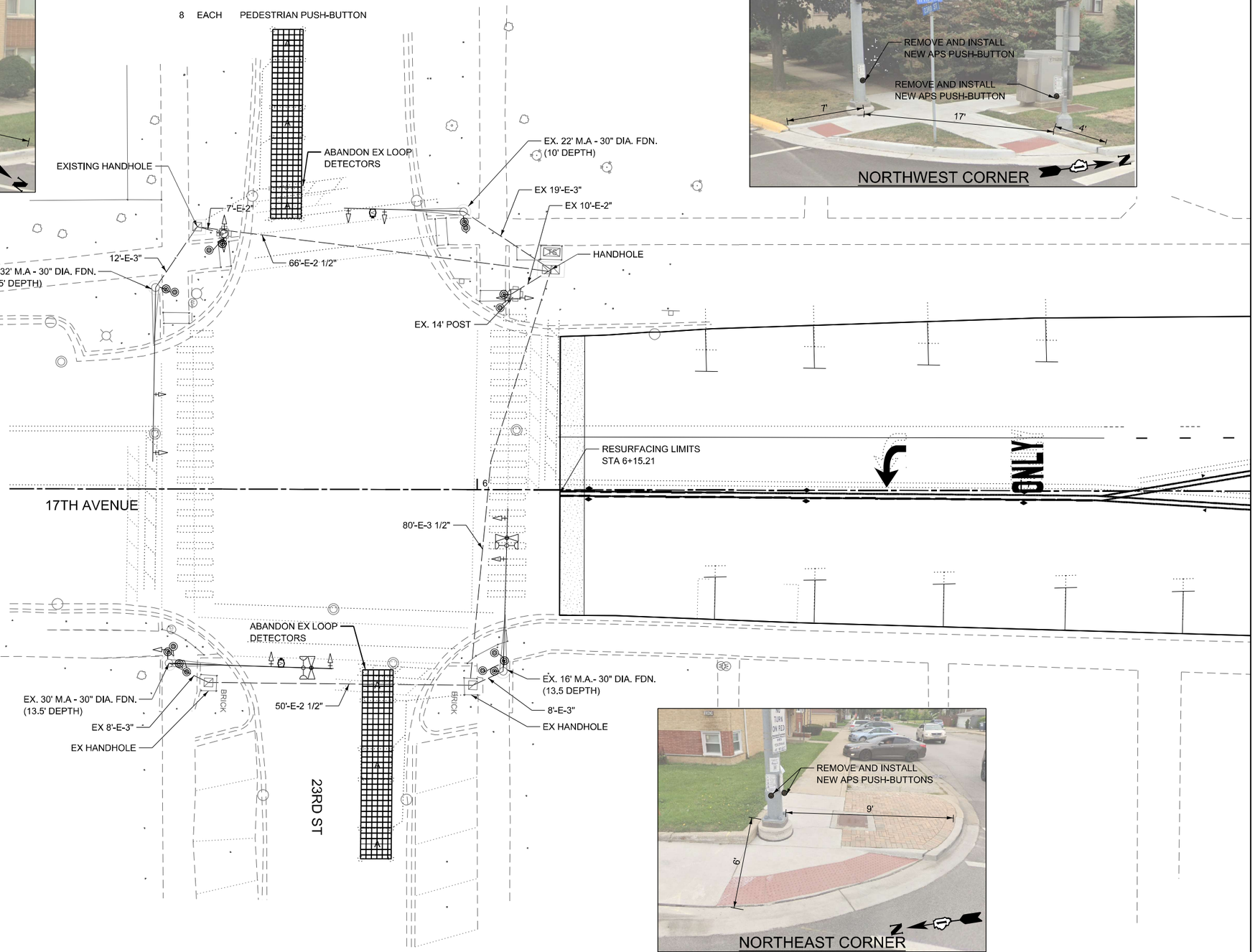
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	71
	TS–07	CONTRACT NO. 62V90		
		ILLINOIS FED. AID PROJECT		

REMOVAL NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

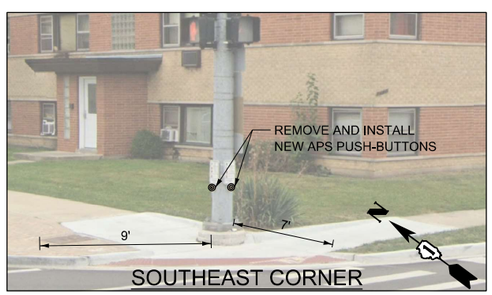
8 EACH PEDESTRIAN PUSH-BUTTON





NOTE:

1. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.
2. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK
3. ALL PUSH BUTTONS SHALL BE APS
4. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED
5. EXISTING LOOP ON 23RD ST SHALL BE ABONDONED AND REPLACED WITH VIDEO DETECTION AND LEAD-IN CABLE SHALL BE REMOVED
6. VIDEO DETECTION SHALL BE MOUNTED ON RISER BRACKETS AT THE LENGTH DETERMINED BY THE MANUFACTURER. FINAL CAMERA LOCATIONS SHALL BE OPTIMAL TO MINIMIZE OCCDLUSION BASED FALLS CALLS FROM ADJACENT LANES



TS 22121
ECON 27

MODEL: 23rd St [Sheet]
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Michael Baker INTERNATIONAL 200 West Adams Street, Suite 1800, Chicago, IL 60606 Phone: (312) 707-8770 - MBAKERINTL.COM	USER NAME = Jaime.Rivera	DESIGNED - WJT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN 17TH AVE AT 23RD ST
		DRAWN - MFK	REVISED -		
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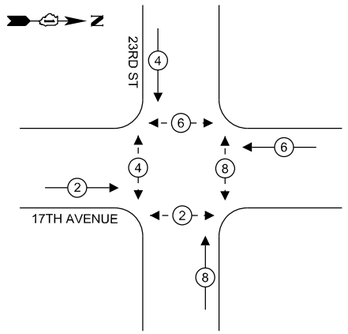
	PLOT DATE = 10/16/2024	DATE - 06/15/2024	REVISED -		SCALE: 1"=10' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	72
		CONTRACT NO. 62V90		
	ILLINOIS	FED. AID PROJECT		

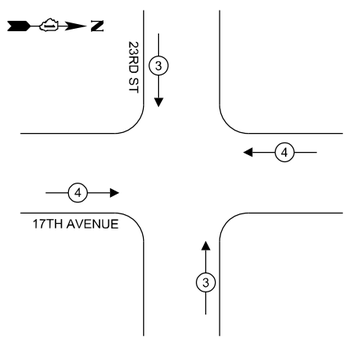
EXISTING CONTROLLER SEQUENCE

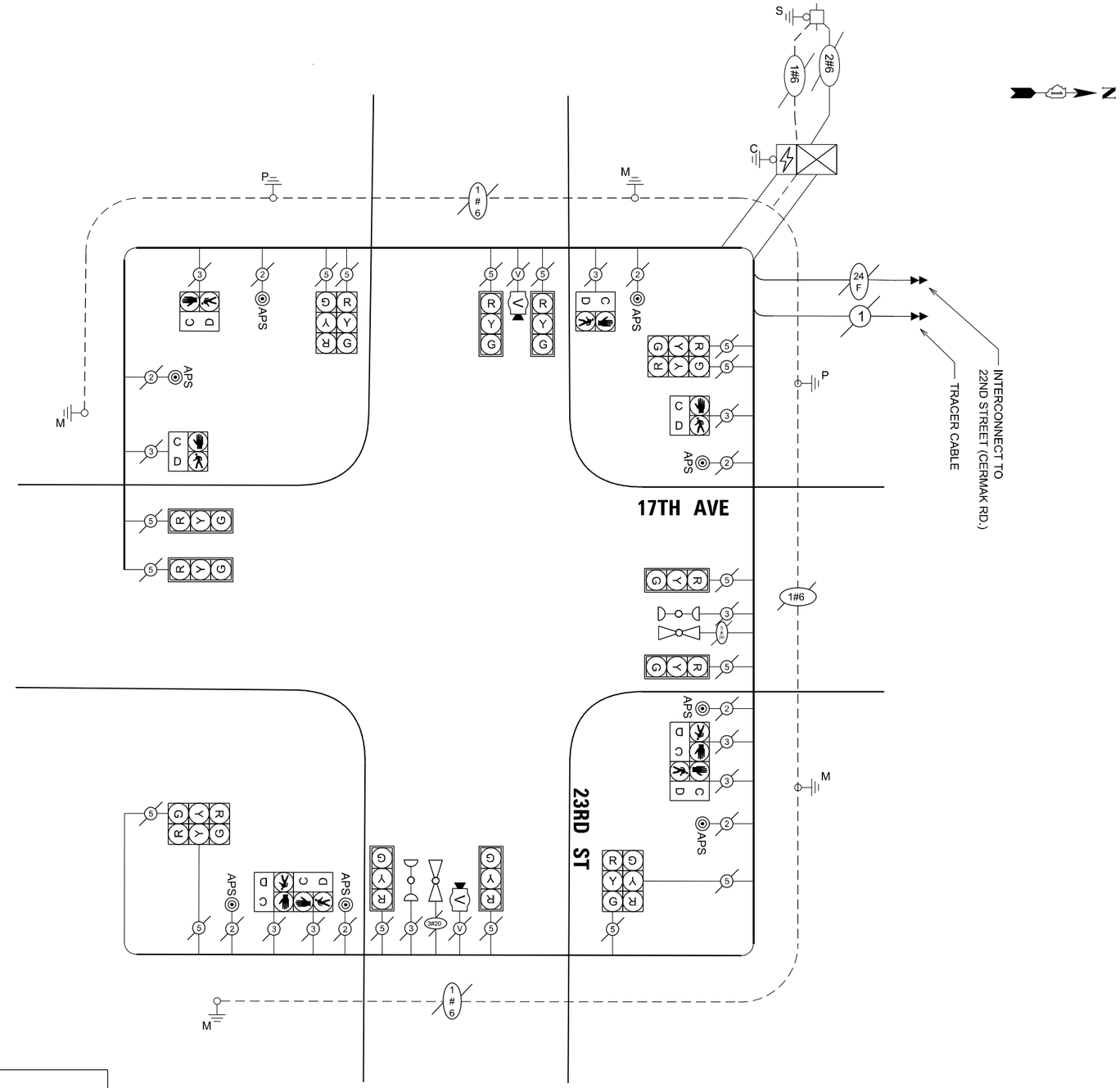


LEGEND:

- PROTECTED PHASE
- OL — OVERLAP
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





CABLE PLAN
(NOT TO SCALE)

I. D. O. T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	50	88.00
(YELLOW)	16	20	5	16.00
(GREEN)	16	12	45	86.40
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	8	20	100	160.00
CONTROLLER	1	100	100	100.00
UPS	1	25	100	25.00
BLANK-OUT SIGN	-	150	5	-
FLASHER	-	25	50	-
STREET NAME SIGN	-	-	50	-
LUMINARE	-	120	-	-
VIDEO SYSTEM	2	150	100	300.0
			TOTAL =	775.4

ENERGY COSTS TO:
VILLAGE OF NORTH RIVERSIDE
2401 S DES. PLAINES AVE.
NORTH RIVERSIDE, IL 60546

ENERGY SUPPLY: CONTACT: ERICKA IRBY
PHONE: 779-231-0633
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: -

SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	QUANTITY
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
MAINTENACE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FEET	146
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TS 22121
ECON 27

MODEL: Unnamed Plan-3 - Plan 4
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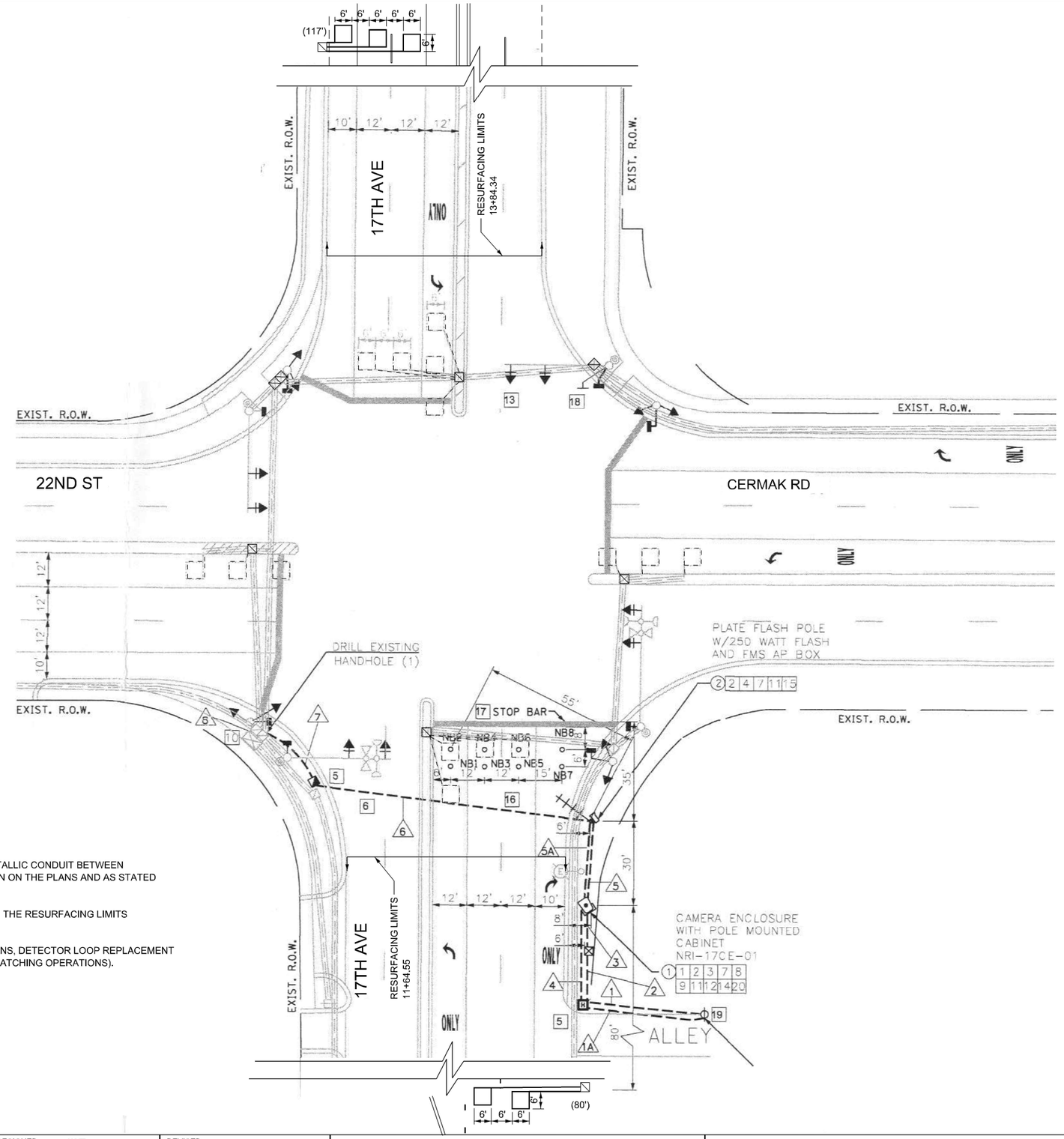
USER NAME = Jaime.Rivera	DESIGNED - ZJT	REVISED -	
	DRAWN - MFK	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - WJT	REVISED -	
PLOT DATE = 10/16/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITES
17TH AVE AT 23RD ST

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	73
		CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	



NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS

2. THIS PLAN IS FOR THE REPLACEMENT OF LOOP DETECTORS WITHIN THE RESURFACING LIMITS AS SHOWN

3. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).

TS 3700
ECON 27

MODEL: Cermak [Sheet]
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-Sht-TS-Cermak.dgn

Michael Baker
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USER NAME = Jaime.Rivera	DESIGNED - WJT	REVISED -	
	DRAWN - MFK	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - ZJT	REVISED -	
PLOT DATE = 10/16/2024	DATE - 06/15/2024	REVISED -	

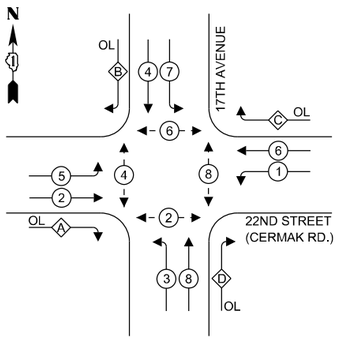
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
17TH AVE AT CERMAK RD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	74
		CONTRACT NO. 62V90		
	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE

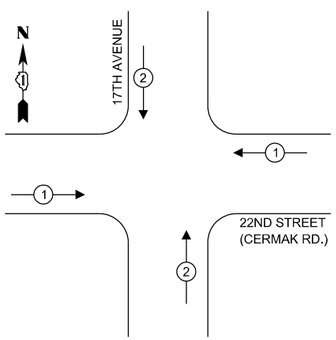


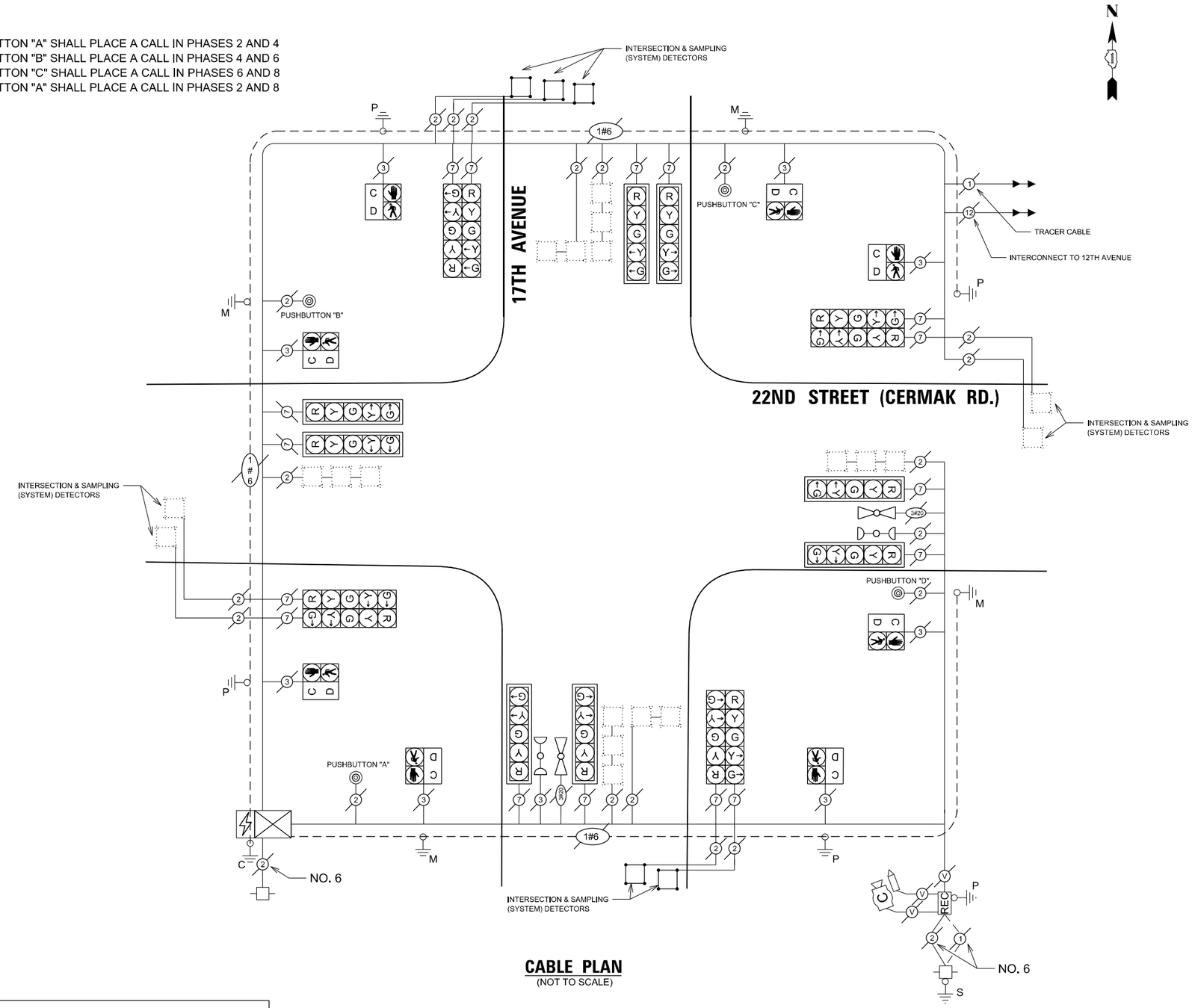
LEGEND:

- PROTECTED PHASE
- OVERLAP
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE

NOTE:
PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4
PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6
PUSHBUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8
PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 8

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE





CABLE PLAN
(NOT TO SCALE)

I. D. O. T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	17	50	136.00
(YELLOW)	16	25	25	100.00
(GREEN)	16	15	25	60.00
PERMISSIVE ARROW	32	12	10	38.40
PED. SIGNAL	8	25	100	200.00
CONTROLLER	1	100	100	100.00
ILLUM. SIGN	-	25	5	-
LUMINARE	-		50	-
VIDEO SYSTEM	-	-	100	-
	-	-	-	-
	-	-	-	-
FLASHER LED	-	-	50	-
			TOTAL =	634.40

ENERGY COSTS TO:
VILLAGE OF BROADVIEW
2350 SOUTH 25TH AVENUE
BROADVIEW ILLINOIS 60155

ENERGY SUPPLY: CONTACT: ERICKA IRBY
PHONE: 779-231-0633
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: -

SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	QUANTITY
DETECTOR LOOP REPLACEMENT	FOOT	197

TS 3700
ECON 27

MODEL: Unnamed Plan - Plan 6
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-Sht-PtCablePlan-Cermak.dgn

Michael Baker INTERNATIONAL
200 West Adams Street, Suite 1800, Chicago, IL 60606
Phone: (312) 707-8770 • MBAKERINTL.COM

USER NAME = Jaime.Rivera	DESIGNED - ZJT	REVISED -	
	DRAWN - MFK	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - WJT	REVISED -	
PLOT DATE = 10/16/2024	DATE - 06/15/2024	REVISED -	

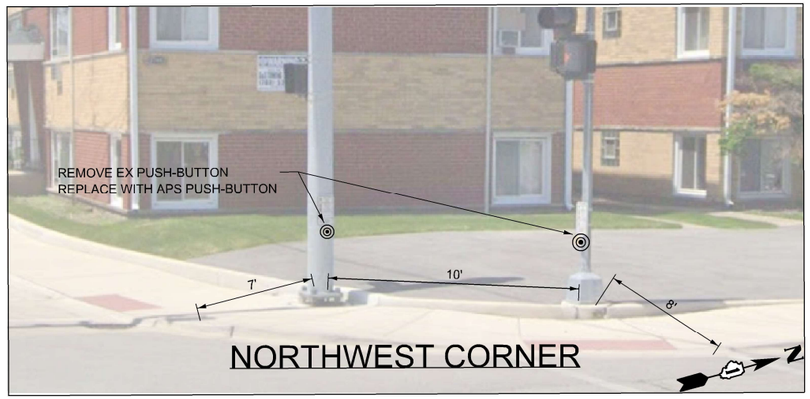
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

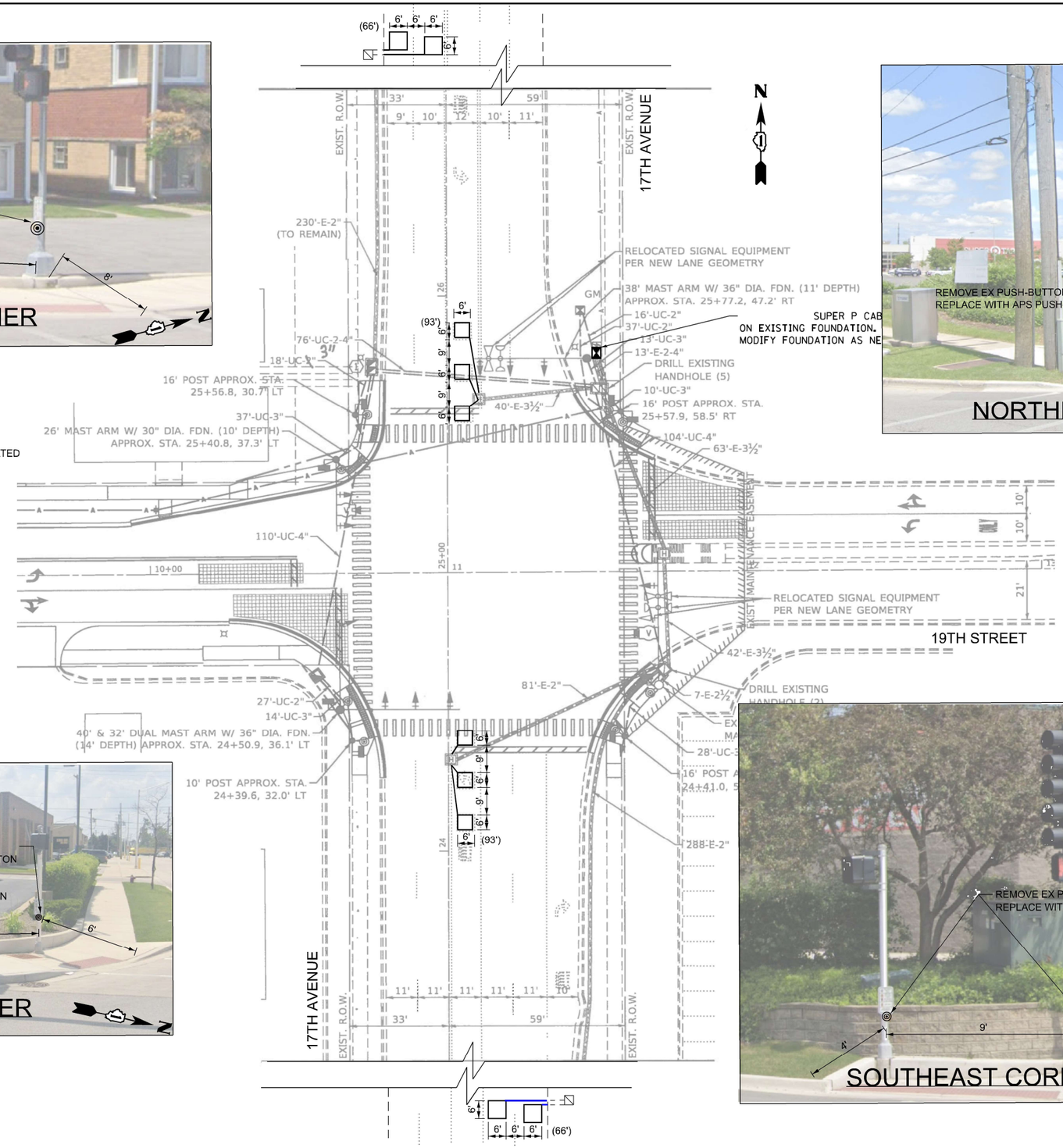
CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITES
17TH AVE AT CERMAK RD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	75

CONTRACT NO. 62V90
ILLINOIS FED. AID PROJECT





NOTE:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS

2. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.

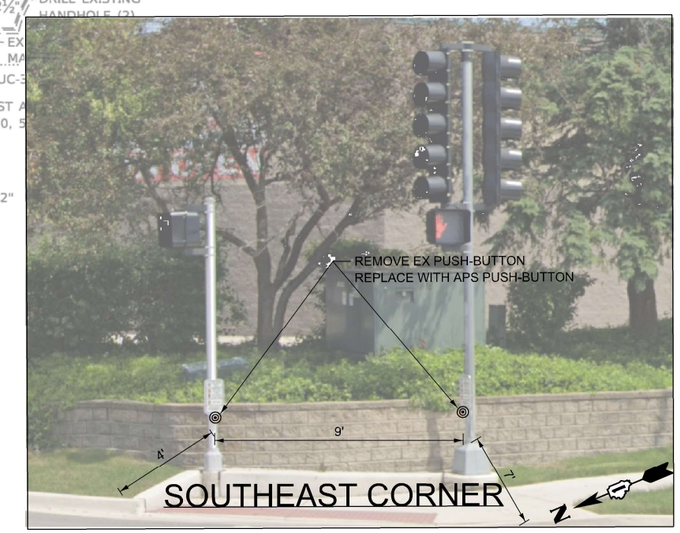
3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK

4. THIS PLAN IS FOR THE REMOVAL OF PUSH-BUTTONS, INSTALLATION OF APS PUSH-BUTTONS, AND REPLACEMENT OF LOOP DETECTORS WITHIN THE RESURFACING LIMITS AS SHOWN

5. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).

6. ALL PUSH BUTTONS SHALL BE APS

7. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED



REMOVAL NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

8 EACH PEDESTRIAN PUSH-BUTTON

TS 22120
ECON 27

MODEL: 19th Steet [Sheet]
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL 01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-Sht-TS-19th.dgn

Michael Baker INTERNATIONAL
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Phone: (312) 707-8770 · MBAKERINTL.COM

USER NAME = Jaime.Rivera	DESIGNED - WJT	REVISED -	
	DRAWN - MFK	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - ZJT	REVISED -	
PLOT DATE = 10/16/2024	DATE - 06/15/2024	REVISED -	

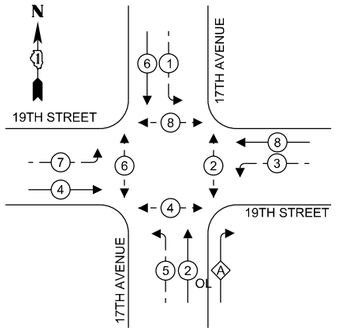
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
17TH AVE AT 19TH ST

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	76
		CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	

EXISTING CONTROLLER SEQUENCE

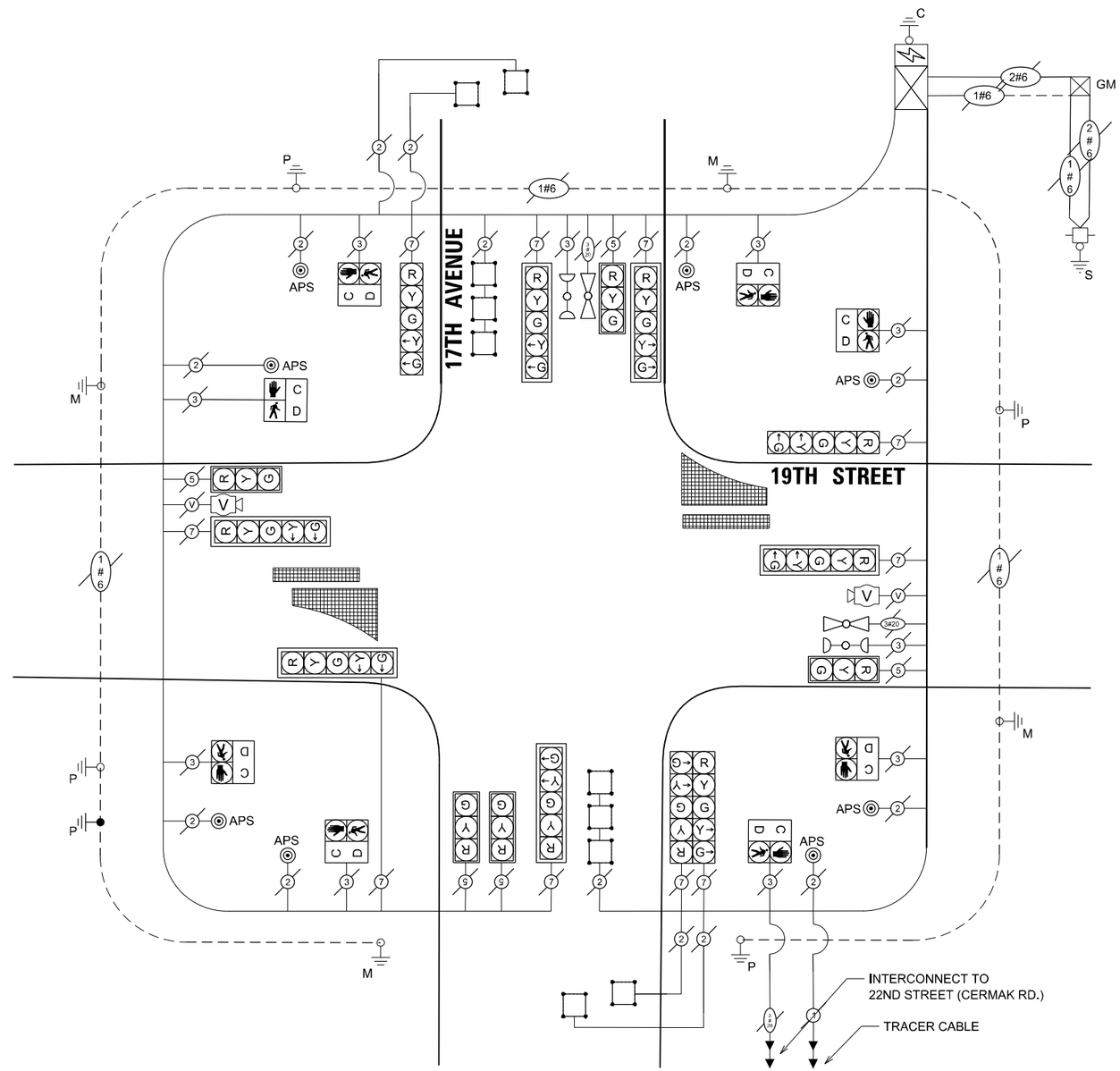


LEGEND:

- PROTECTED PHASE
- OL — OVERLAP
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3



CABLE PLAN
(NOT TO SCALE)

I. D. O. T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	15	11	50	82.50
(YELLOW)	15	20	5	15.00
(GREEN)	15	12	45	81.00
PERMISSIVE ARROW	20	10	10	20.00
PED. SIGNAL	8	20	100	160.00
CONTROLLER	1	100	100	100.00
UPS	1	25	100	25.00
VIDEO SYSTEM	2	150	100	300
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINARE	-	250	50	-
			TOTAL =	783.5

ENERGY COSTS TO:
VILLAGE OF BROADVIEW
2350 SOUTH 25TH AVENUE
BROADVIEW, IL 60155

ENERGY SUPPLY: CONTACT: ERICKA IRBY
PHONE: 779-2312-0633
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: -

SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	QUANTITY
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
DETECTOR LOOP, TYPE I	FOOT	318
MAINTENACE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TS 22120
ECON 27

MODEL: Unnamed Plan-3 - Plan 3
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-Sht-PtCablePlan-19th.dgn

Michael Baker INTERNATIONAL
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Phone: (312) 707-8770 • MBAKERINTL.COM

USER NAME = Jaime.Rivera	DESIGNED - ZJT	REVISED -	
	DRAWN - MFK	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - WJT	REVISED -	
PLOT DATE = 10/16/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM AND SCHEDULE OF QUANTITES
17TH AVE AT 19TH ST

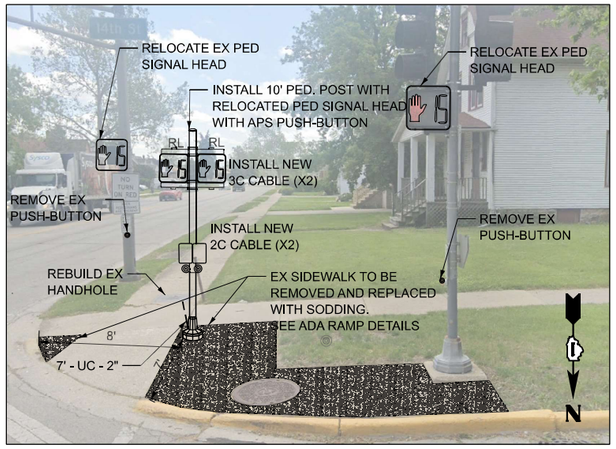
SCALE: NONE | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	77
		CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	

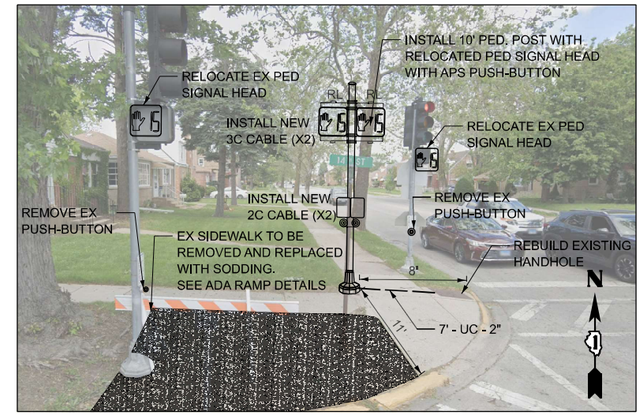
REMOVAL NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

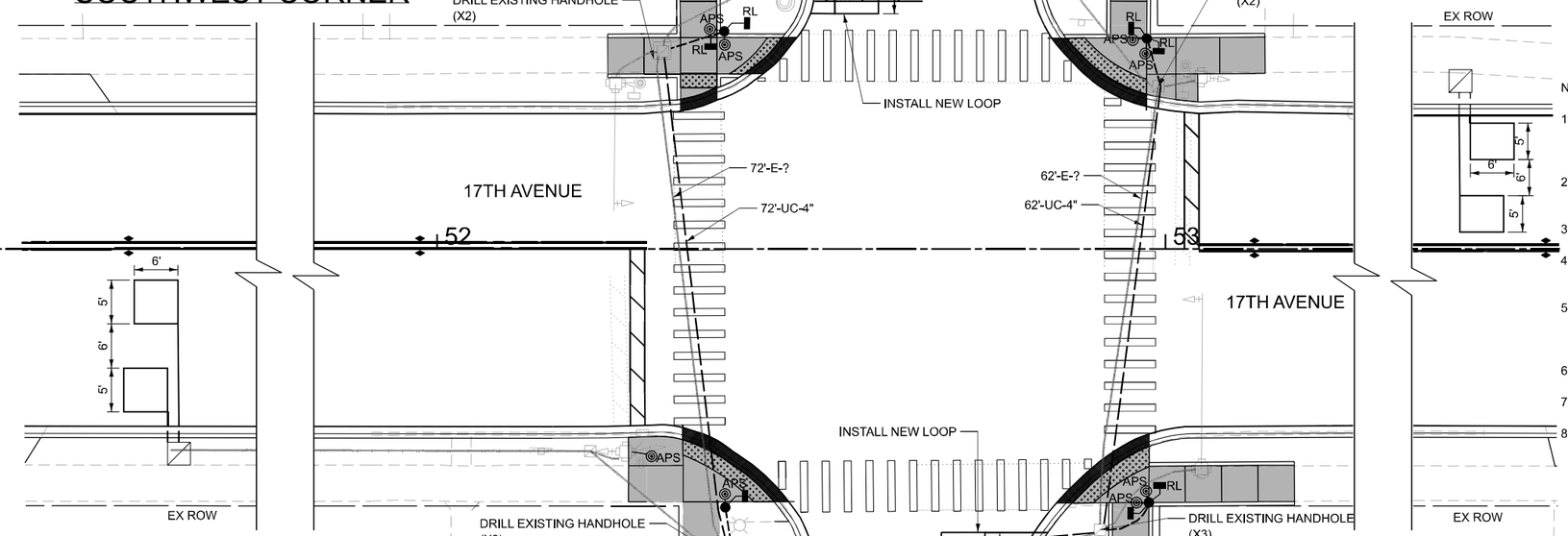
6 EACH PEDESTRIAN PUSH-BUTTON



SOUTHWEST CORNER

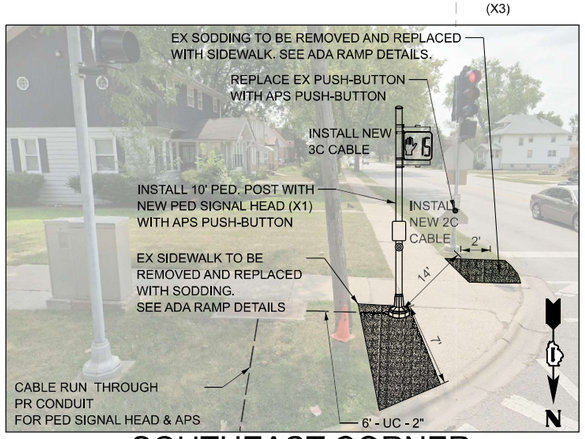


NORTHWEST CORNER

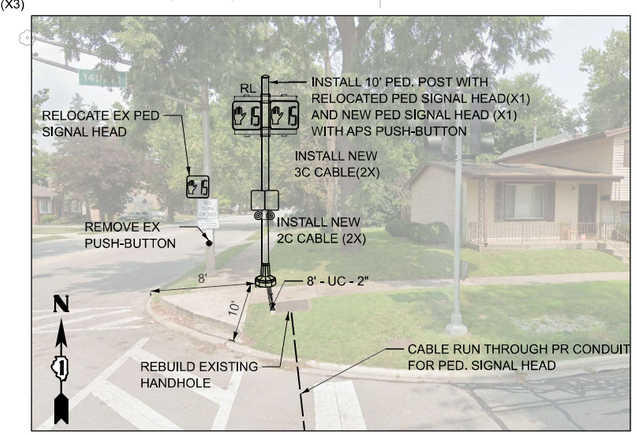


NOTE:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS
2. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.
3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK
4. THIS PLAN IS FOR THE REMOVAL OF PUSH-BUTTONS, INSTALLATION OF APS PUSH-BUTTONS, AND REPLACEMENT OF LOOP DETECTORS WITHIN THE RESURFACING LIMITS AS SHOWN
5. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
6. ALL PUSH BUTTONS SHALL BE APS
7. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED
8. ALL PROPOSED TRAFFIC SIGNAL SHALL BE ROUTED THROUGH THE PROPOSED CONDUIT



SOUTHEAST CORNER



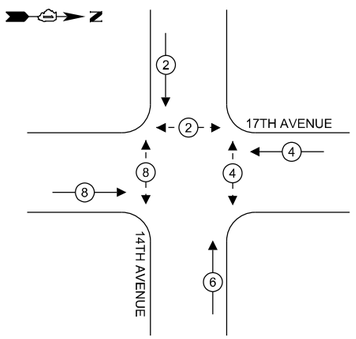
NORTHEAST CORNER

TS 4535

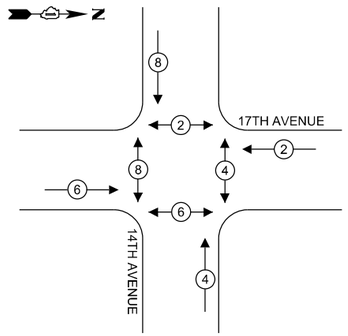
MODEL: 14th St - TS-Plan [Sheet]
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DServs_PTB208_005/V04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-Sht-TS-14th.dgn

Michael Baker INTERNATIONAL 200 West Adams Street, Suite 1800, Chicago, IL 60606 Phone: (312) 707-8770 • MBAKERINTL.COM	USER NAME = Zach.Tanner	DESIGNED - ZJT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN 17TH AVE AT 14TH ST	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - MFK	REVISED -			2722	FAU 2722 23 SMART	COOK	97 / 78
	PLOT SCALE = 0.16666633 ' / in.	CHECKED - WJT	REVISED -					CONTRACT NO. 62V90	
	PLOT DATE = 10/17/2024	DATE - 6/15/2024	REVISED -		SCALE: 1"=10' SHEET 1 OF 2 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT	

EXISTING CONTROLLER SEQUENCE

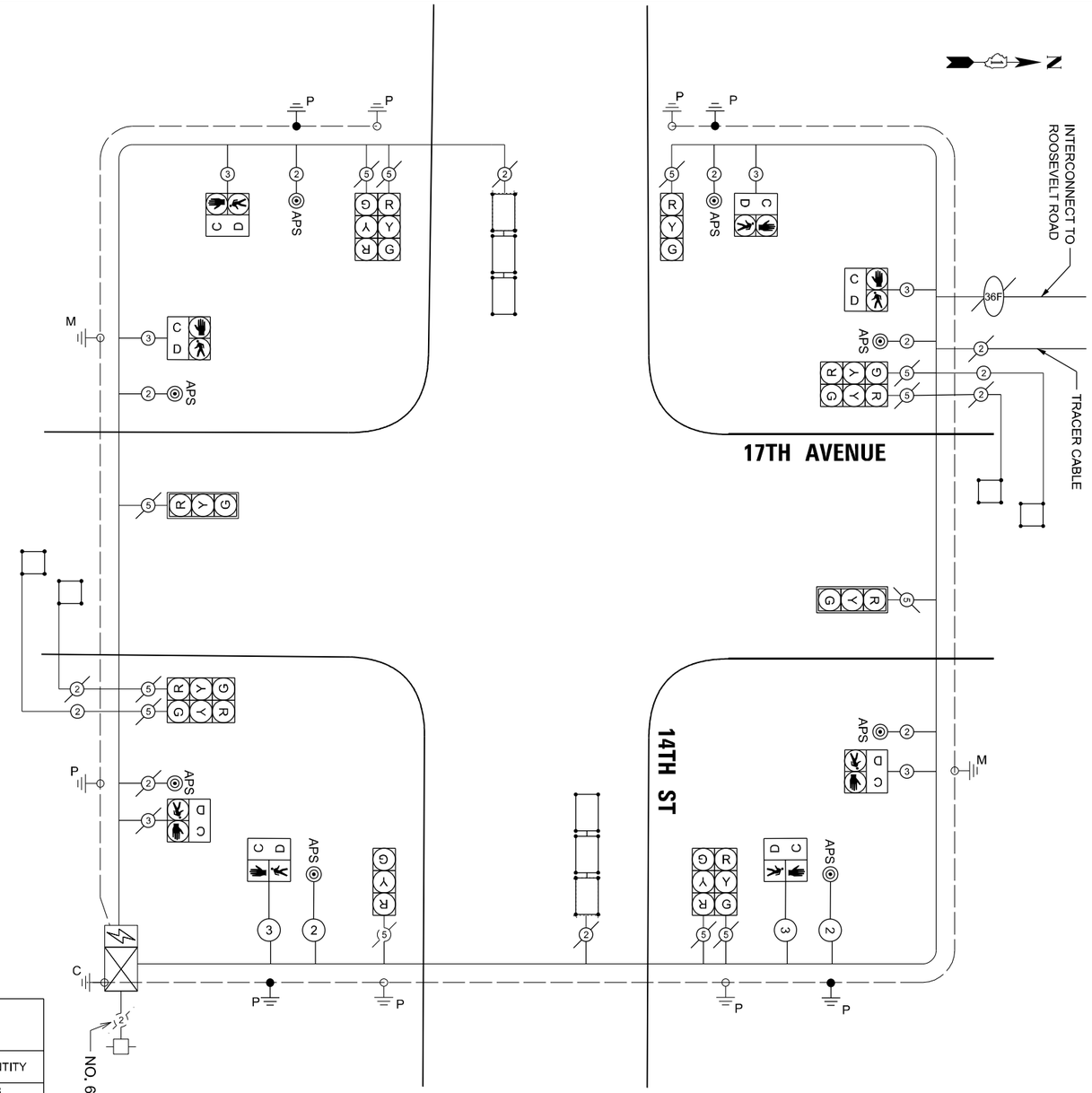


PROPOSED CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- OL — OVERLAP
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE



CABLE PLAN
(NOT TO SCALE)

I. D. O. T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	12	11	132
4-SECTION		14	
5-SECTION	-	13	-
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIGNING			397
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1,002

ENERGY COSTS TO:
VILLAGE OF BROADVIEW
2350 SOUTH 25TH AVENUE
BROADVIEW, ILLINOIS 60155

ENERGY SUPPLY: CONTACT: ERICKA IRBY
PHONE: 779-231-0633
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: -

SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	QUANTITY
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16
DETECTOR LOOP, TYPE I	FOOT	294
DRILL EXISTING HANDHOLE	EACH	10
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	795
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	856
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
REBUILD EXISTING HANDHOLE	EACH	3
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	5
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1439
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	28
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	184

TS 4535

MODEL: Unnamed Plan - Plan 5
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-Sh-Pt-CablePlan-14th.dgn

Michael Baker INTERNATIONAL
200 West Adams Street, Suite 1800, Chicago, IL 60606
Phone: (312) 707-8770 • MBAKERINTL.COM

USER NAME = Jaime.Rivera	DESIGNED - ZJT	REVISED -	
	DRAWN - MFK	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - WJT	REVISED -	
PLOT DATE = 10/16/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM AND SCHEDULE OF QUANTITES
17TH AVE AT 14TH ST

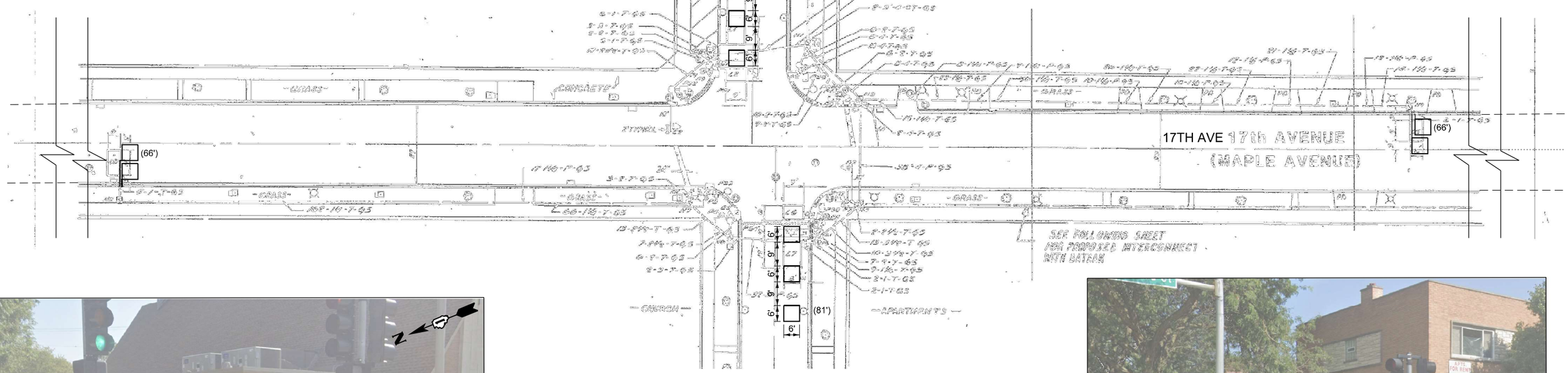
SCALE: NONE | SHEET 2 OF 2 SHEETS | STA. | TO STA.

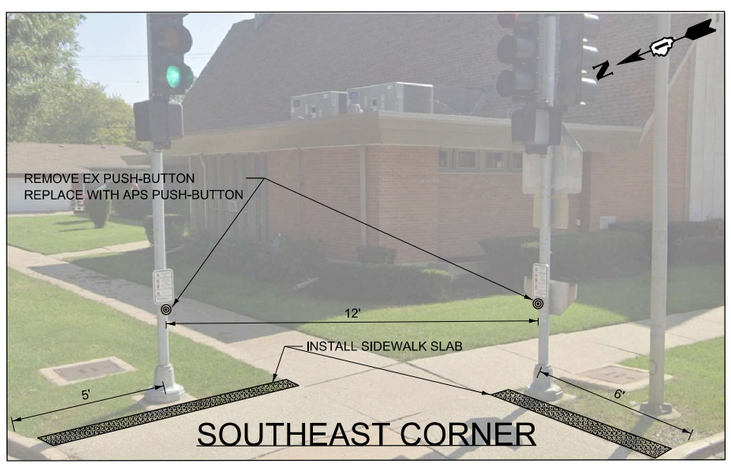
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	79
		CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	

REMOVAL NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

8 EACH PEDESTRIAN PUSH-BUTTON





NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS
2. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.
3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK
4. THIS PLAN IS FOR THE REMOVAL OF PUSH-BUTTONS, INSTALLATION OF APS PUSH-BUTTONS, AND REPLACEMENT OF LOOP DETECTORS WITHIN THE RESURFACING LIMITS AS SHOWN
5. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
6. ALL PUSH BUTTONS SHALL BE APS
7. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED

TS 4540

MODEL: Harvard Steet [Sheet]
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 1990782.0 Deliverables/3.3 CADD Data/Sheets/D162V90-Sh-TS-Harvard.dgn

Michael Baker INTERNATIONAL
200 West Adams Street, Suite 1800, Chicago, IL 60606
Phone: (312) 707-8770 • MBAKERINTL.COM

USER NAME = Jaime.Rivera	DESIGNED - WJT	REVISED -	
	DRAWN - MFK	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - ZJT	REVISED -	
PLOT DATE = 10/16/2024	DATE - 06/15/2024	REVISED -	

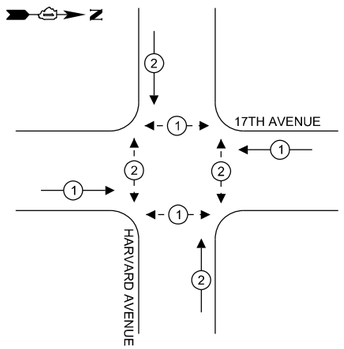
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
17TH AVE AT HARVARD ST

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

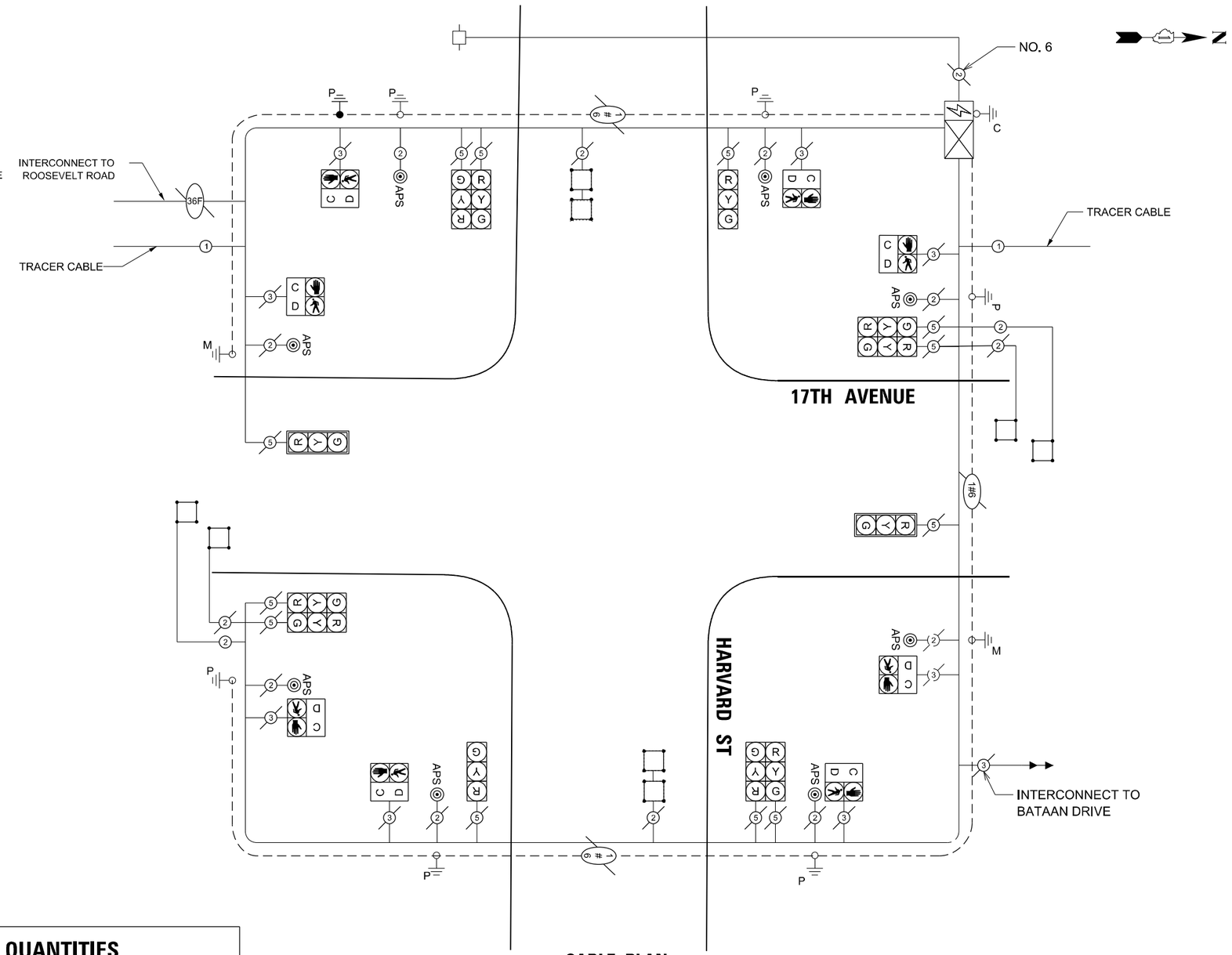
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	80
		CONTRACT NO. 62V90		
	ILLINOIS	FED. AID PROJECT		

EXISTING CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- OL — OVERLAP
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE



CABLE PLAN
(NOT TO SCALE)

I. D. O. T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	12	11	132
4-SECTION		14	
5-SECTION	-	13	-
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIGNING			427
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1032

ENERGY COSTS TO:
VILLAGE OF BROADVIEW
2350 SOUTH 25TH AVENUE
BROADVIEW ILLINOIS 60155

ENERGY SUPPLY: CONTACT: ERICKA IRBY
PHONE: 779-231-0633
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: -

SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	QUANTITY
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
DETECTOR LOOP, TYPE I	FOOT	294
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	96
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA	FEET	17
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FEET	89
DRILL EXISTING HANDHOLE	EACH	1
PEDESTRIAN SIGNAL POST, 5FT	EACH	1
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TS 4540

MODEL: Unnamed Plan - Plan 4
FILE NAME: pw://mb-us-pw.bentley.com:mb-us-pw-03/Documents/Chicago_IL/01_Projects/D1_IDOT_Var_DEservs_PTB208_005/W04 - 199078/3.0 Deliverables/3.3 CADD Data/Sheets/D162V90-Sht-PtCablePlan-Harvard.dgn

Michael Baker INTERNATIONAL
200 West Adams Street, Suite 1800, Chicago, IL 60606
Phone: (312) 707-8770 • MBAKERINTL.COM

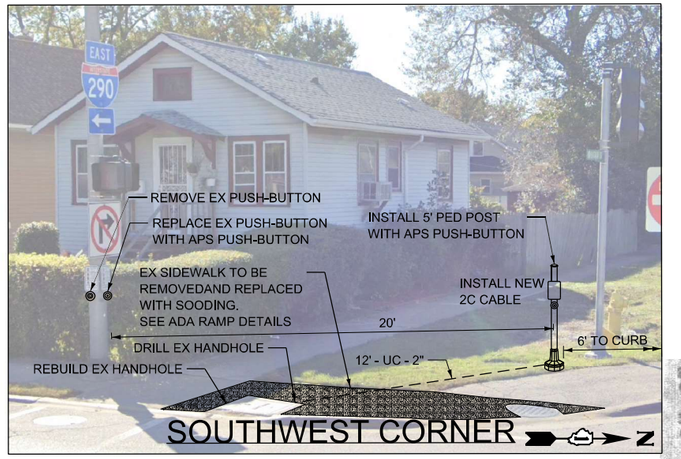
USER NAME = Jaime.Rivera	DESIGNED - ZJT	REVISED -	
	DRAWN - MFK	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - WJT	REVISED -	
PLOT DATE = 10/16/2024	DATE - 06/15/2024	REVISED -	

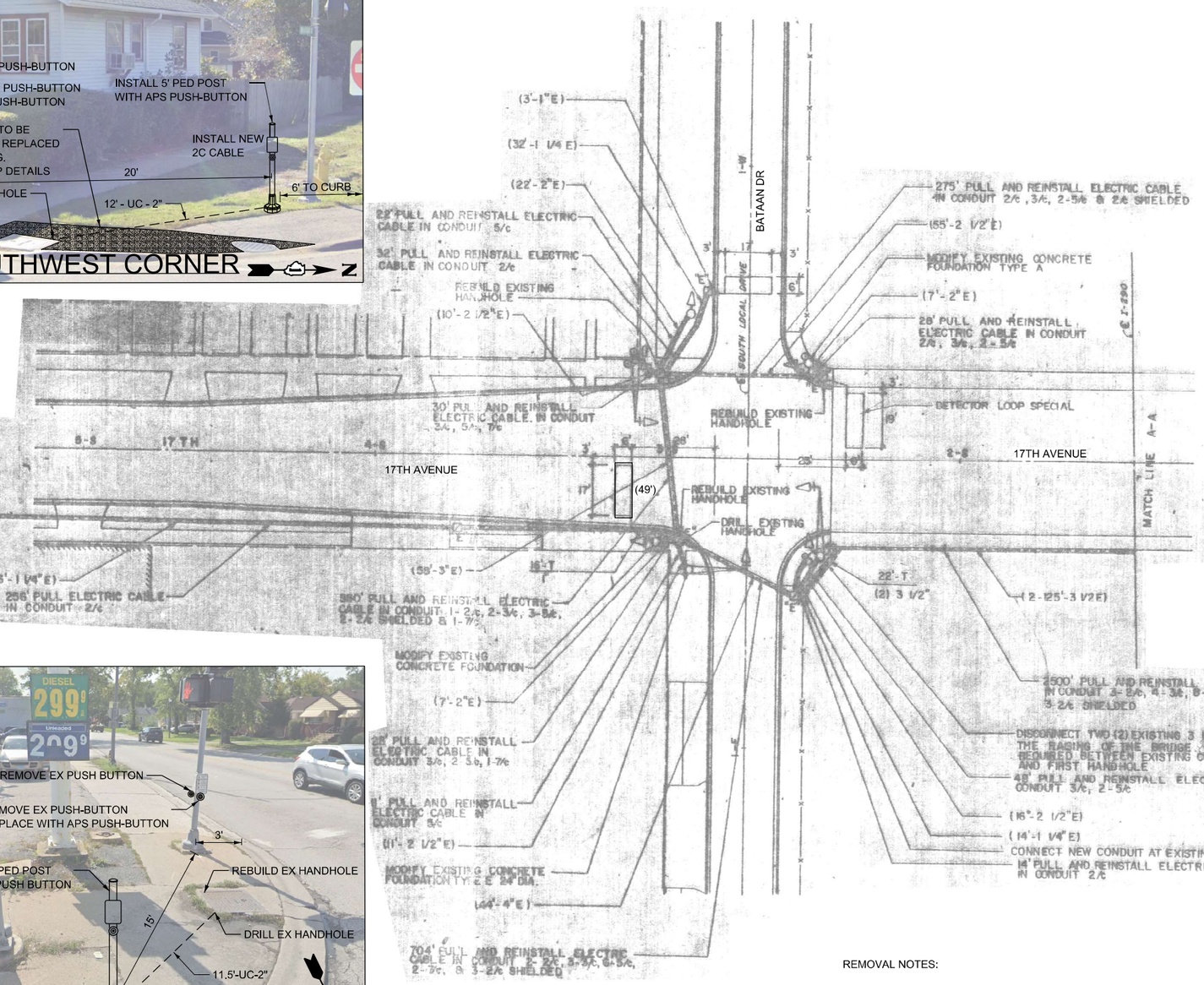
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM AND SCHEDULE OF QUANTITES
17TH AVE AT HARVARD ST

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

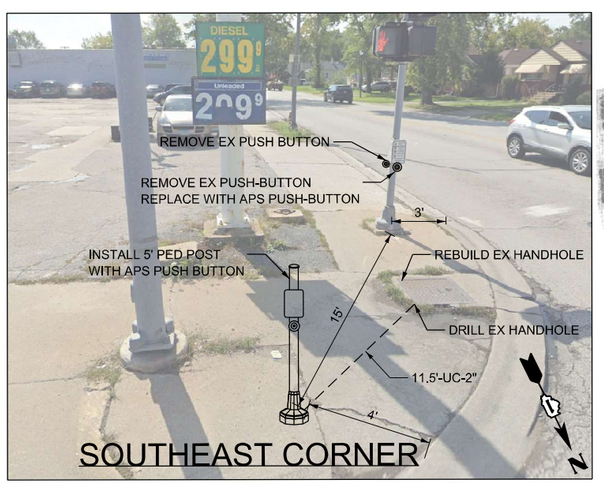
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	81
		CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	





NOTE:

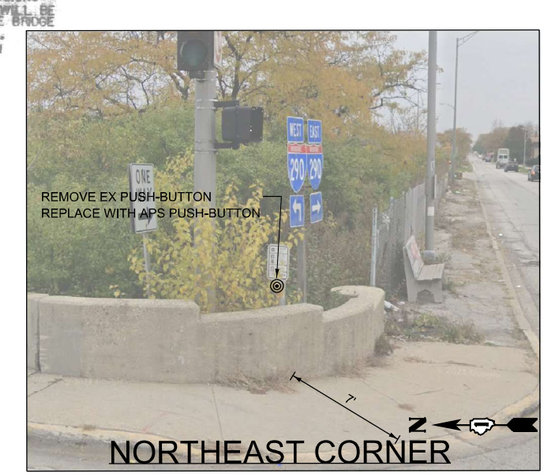
1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS
2. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.
3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK
4. THIS PLAN IS FOR THE REMOVAL OF PUSH-BUTTONS, INSTALLATION OF APS PUSH-BUTTONS, AND REPLACEMENT OF LOOP DETECTORS WITHIN THE RESURFACING LIMITS AS SHOWN
5. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
6. ALL PUSH BUTTONS SHALL BE APS
7. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED



REMOVAL NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

6 EACH PEDESTRIAN PUSH-BUTTON



MODEL: Bataan Drive [Sheet]
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USER NAME = Jaime.Rivera	DESIGNED - WJT	REVISED -	
	DRAWN - MFK	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - ZJT	REVISED -	
PLOT DATE = 10/16/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

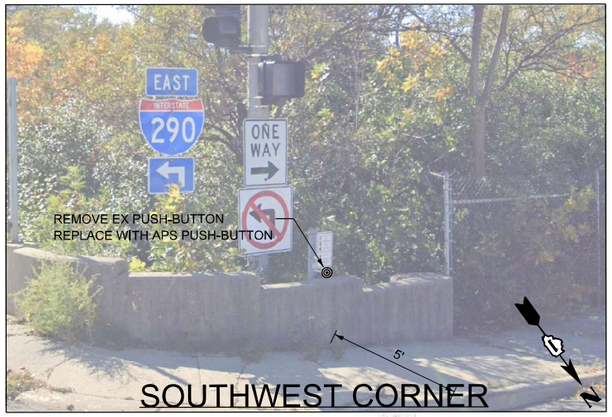
TRAFFIC SIGNAL MODERNIZATION PLAN
17TH AVE AT BATAAN DR

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

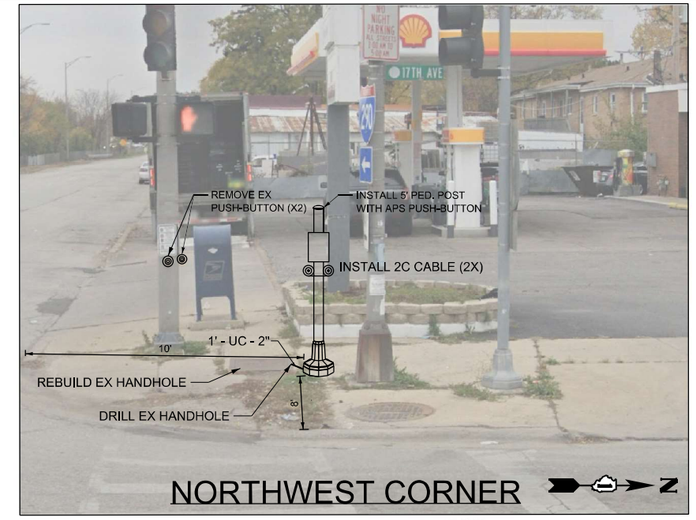
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	82
		CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	

NOTE:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS
2. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.
3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK
4. THIS PLAN IS FOR THE REMOVAL OF PUSH-BUTTONS, INSTALLATION OF APS PUSH-BUTTONS, AND REPLACEMENT OF LOOP DETECTORS WITHIN THE RESURFACING LIMITS AS SHOWN
5. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
6. ALL PUSH BUTTONS SHALL BE APS
7. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED



SOUTHWEST CORNER

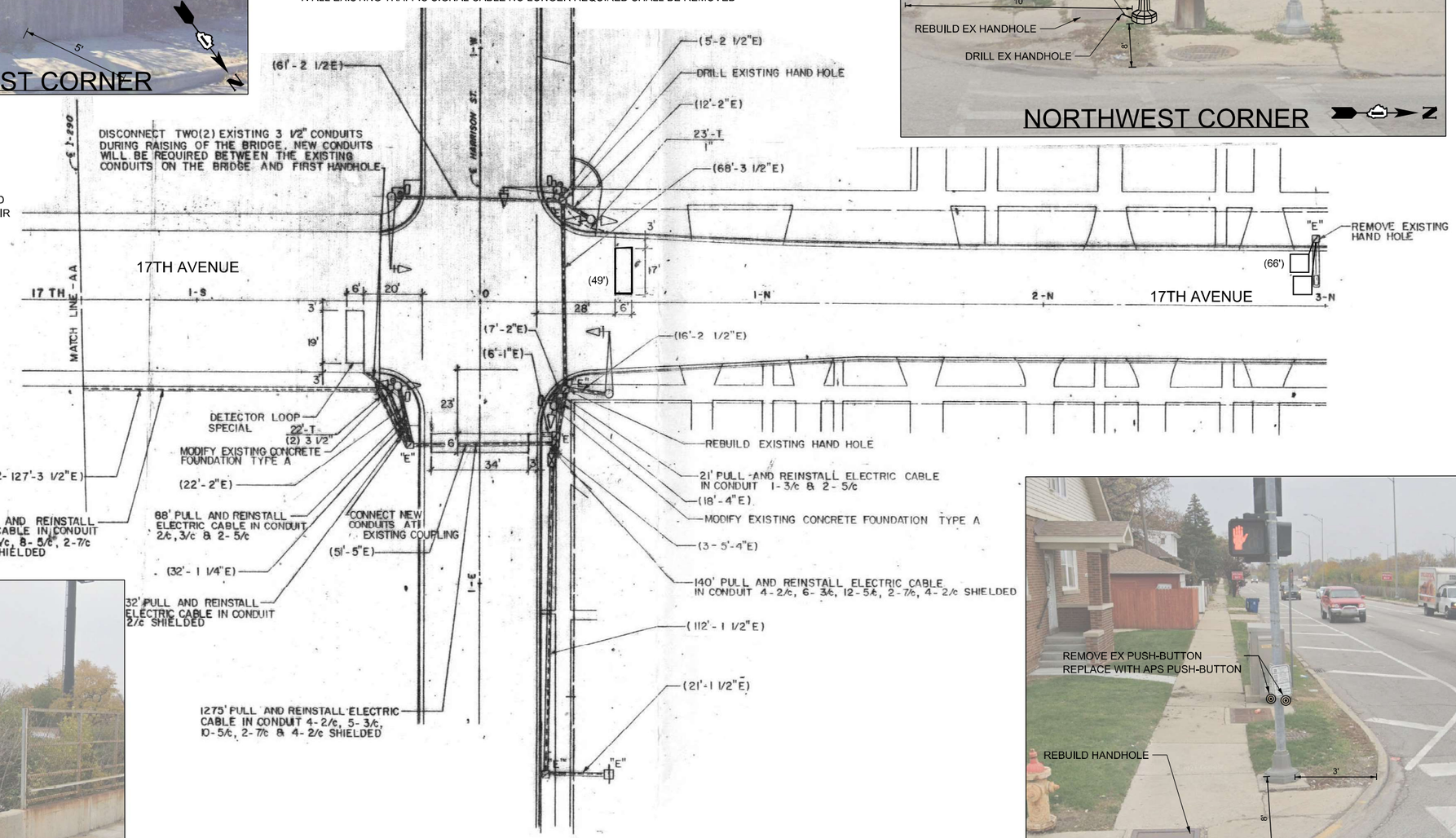


NORTHWEST CORNER

REMOVAL NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

6 EACH PEDESTRIAN PUSH-BUTTON



SOUTHEAST CORNER

NORTHEAST CORNER

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USER NAME = Jaime.Rivera	DESIGNED - WJT	REVISED -	
	DRAWN - MFK	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - ZJT	REVISED -	
PLOT DATE = 10/16/2024	DATE - 06/15/2024	REVISED -	

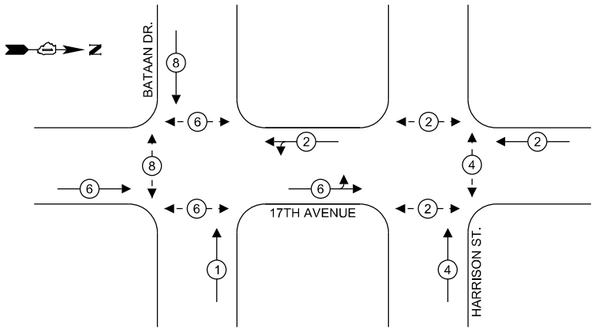
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
17TH AVE AT HARRISON ST

SCALE: NONE | SHEET 2 OF 3 SHEETS | STA. | TO STA.

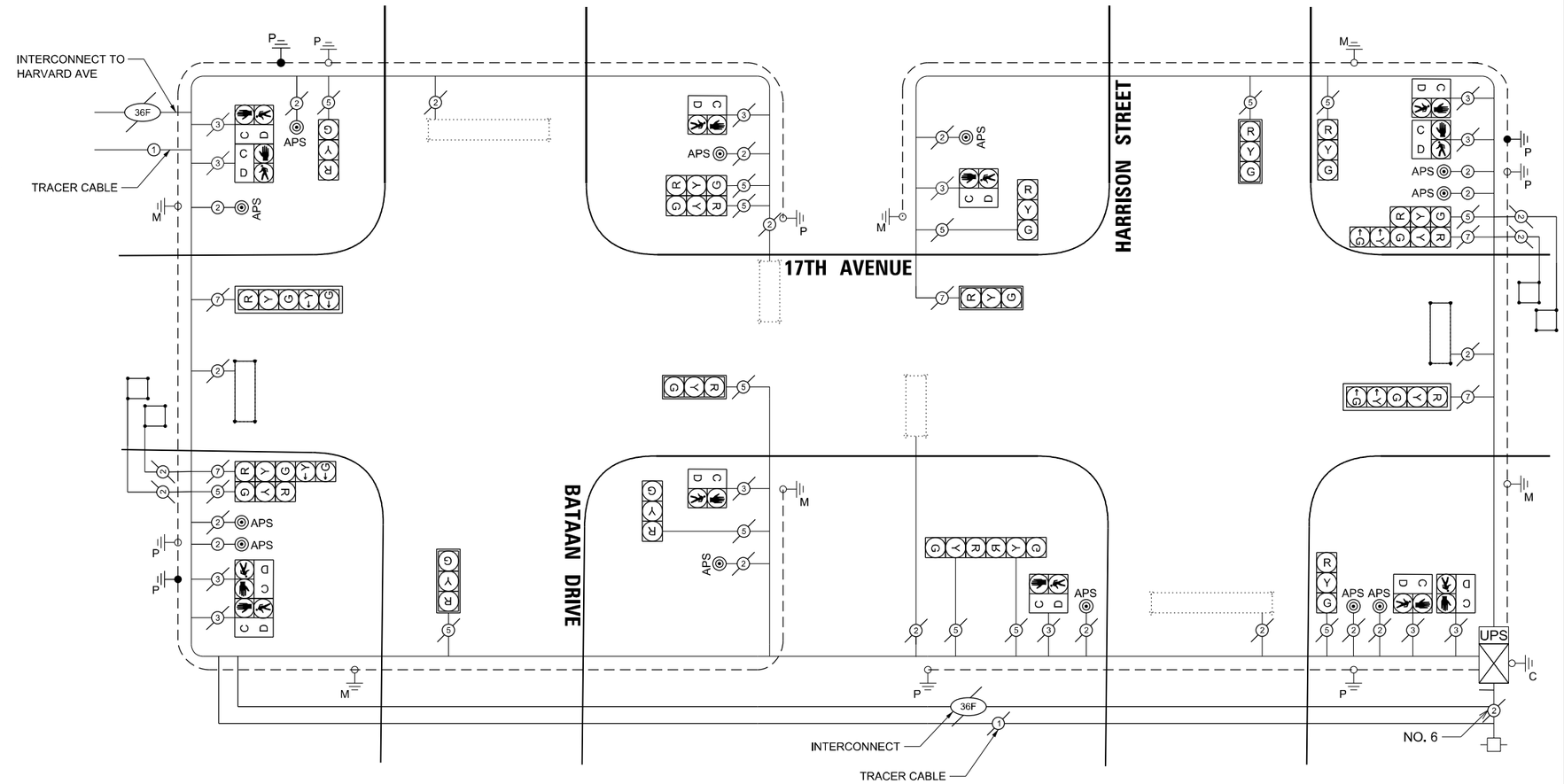
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	83
		CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	

EXISTING CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- OL OVERLAP
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE



CABLE PLAN
(NOT TO SCALE)

I. D. O. T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	15	11	165
4-SECTION		14	
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	12	15	180
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	2	25	50
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	1	15	15
TOTAL UPS SIGNING			572
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1,177

ENERGY COSTS TO:
VILLAGE OF MAYWOOD
40 MADISON STREET
MAYWOOD ILLINOIS 60153

ENERGY SUPPLY: CONTACT: ERICKA IRBY
PHONE: 779-231-0633
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: -

SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	QUANTITY
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	12
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12
DETECTOR LOOP, TYPE I	FOOT	230
DRILL EXISTING HANDHOLE	EACH	3
PEDESTRIAN SIGNAL POST, 5 FT	EACH	3
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1091
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	2
MAINTENACE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1094
REBUILD EXISTING HANDHOLE	EACH	5
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA	EACH	1

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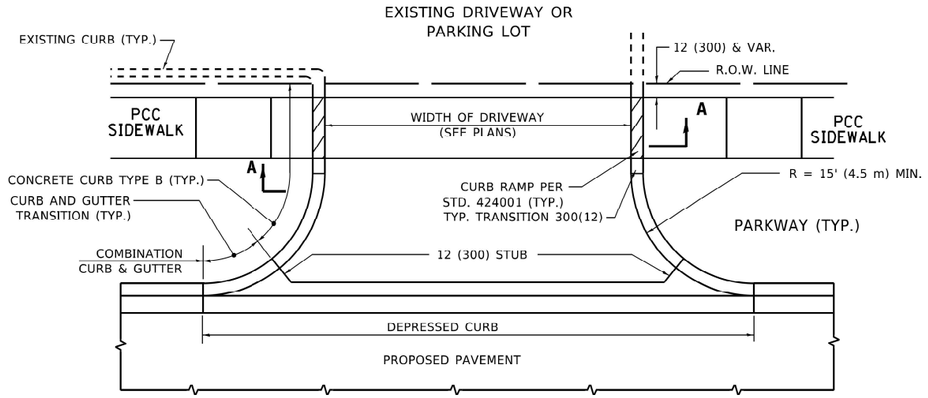
USER NAME = Jaime.Rivera	DESIGNED - ZJT	REVISED -	
	DRAWN - MFK	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - WJT	REVISED -	
PLOT DATE = 10/16/2024	DATE - 06/15/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

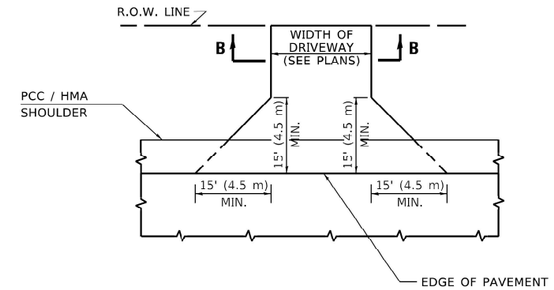
CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITES
17TH AVE AT BATAAN DR AND HARRISON ST

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

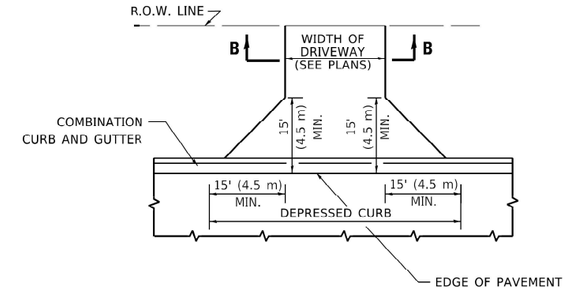
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	84
		CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	



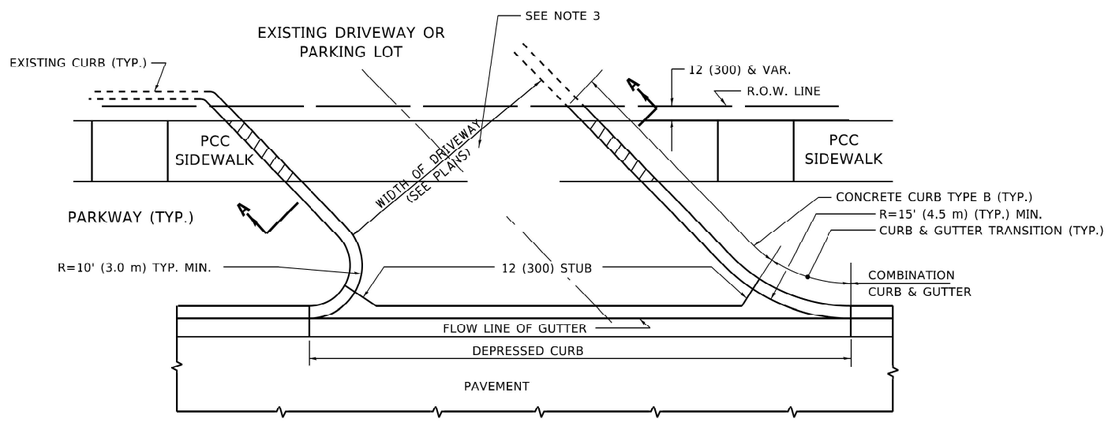
WITH CONCRETE CURB, TYPE B



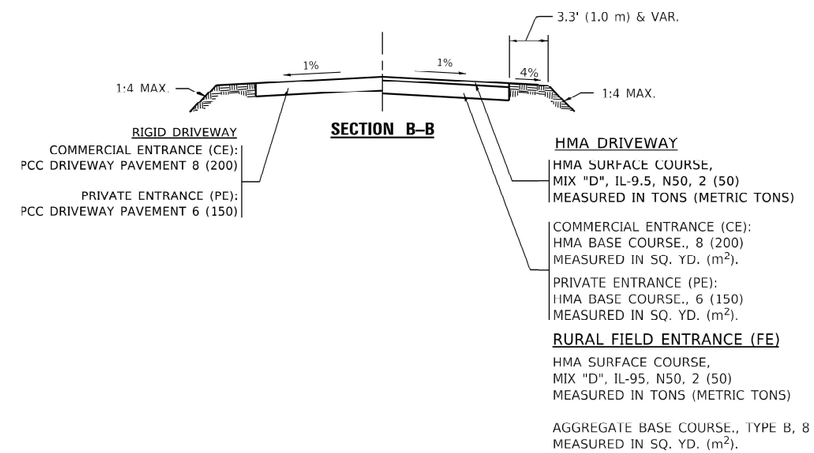
ADJACENT TO PCC /HMA SHOULDER

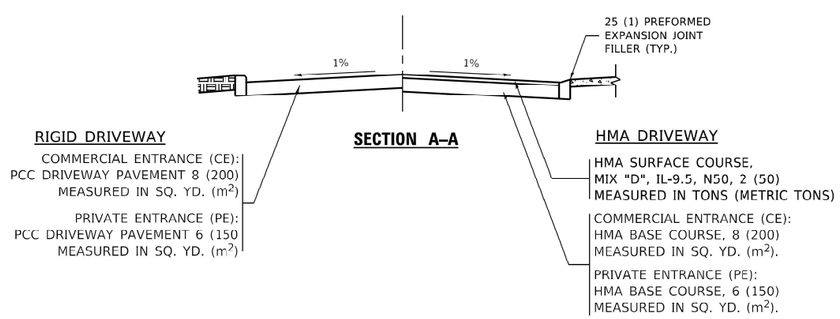


ADJACENT TO CURB AND GUTTER



WITH CONCRETE CURB, TYPE B





GENERAL NOTES

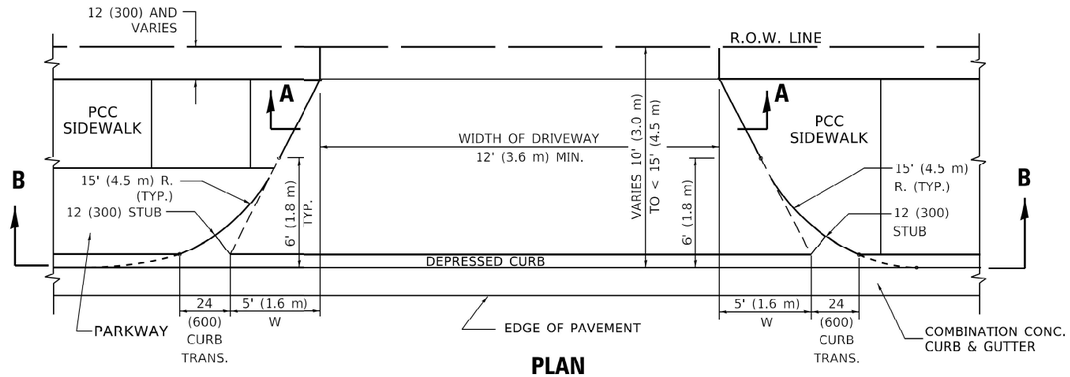
1. DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

2. COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

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

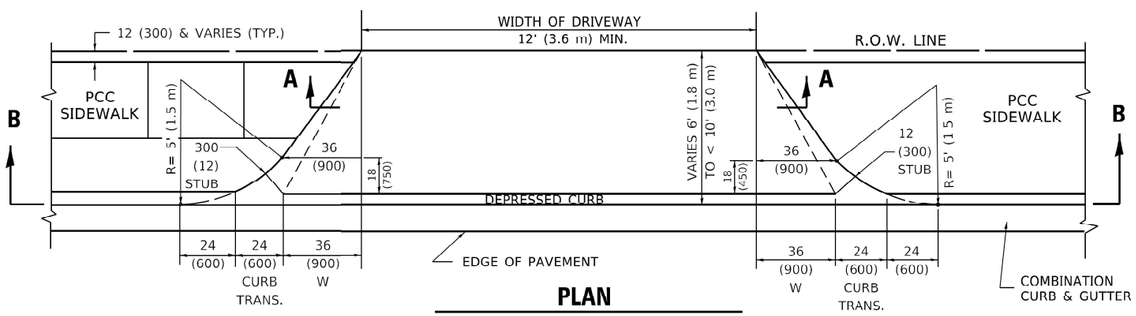
MODEL: Default
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 1\Projects\Std22x34\CADData\CADsheets\bd01.dgn

Michael Baker INTERNATIONAL 200 West Adams Street, Suite 1800, Chicago, IL 60606 Phone: (312) 707-8770 · MBAKERINTL.COM	USER NAME = Lawrence.DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 06-11-08	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY DETAILS – DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER ≥15'(4.5m)	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. BORO 09-06-11			2722	FAU 2722 23 SMART	COOK	97	85
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - K. SMITH 08-28-19			BD400–01 (BD–01)		CONTRACT NO. 62V90		
	PLOT DATE = 11/18/2022	DATE - 11-04-95	REVISED - K. SMITH 11-18-22		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		



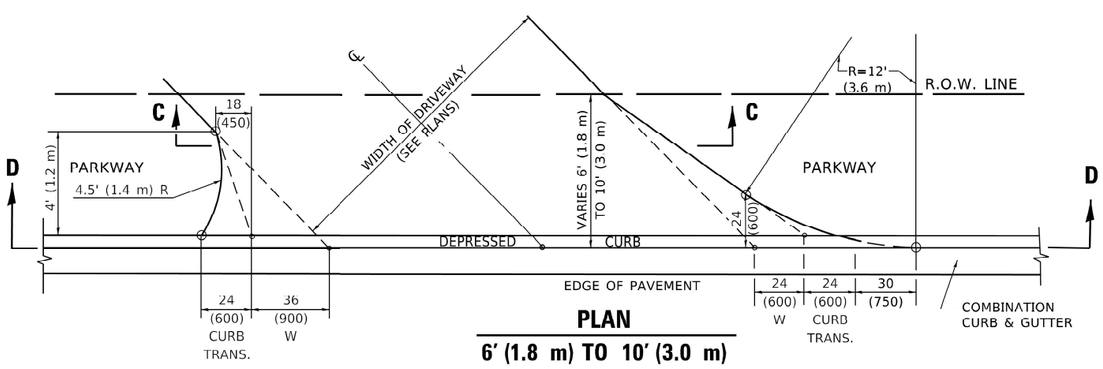
PLAN

10' (3.0 m) TO < 15' (4.5 m)



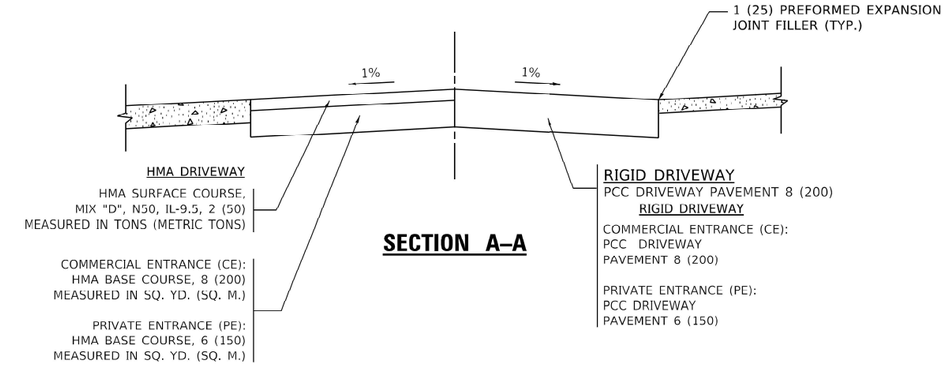
PLAN

6' (1.8 m) TO < 10' (3.0 m)

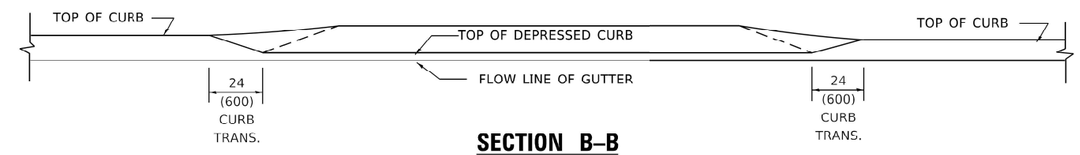


PLAN

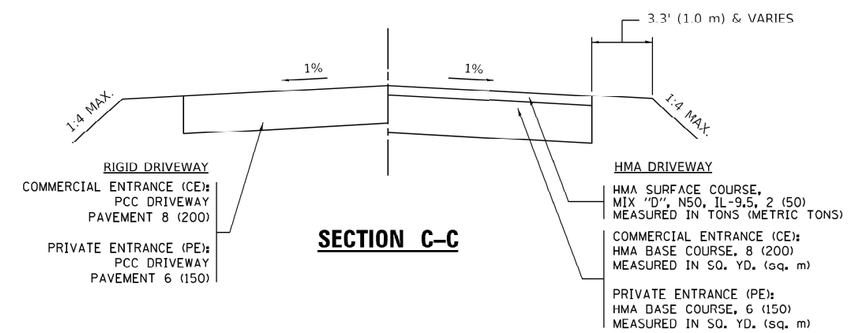
6' (1.8 m) TO 10' (3.0 m)



SECTION A–A



SECTION B–B



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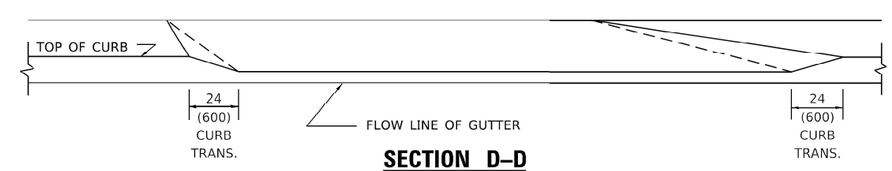

SECTION D–D

GENERAL NOTES

1. DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.
2. WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE PCC SIDEWALK SHALL EXTEND TO THE BACK OF CURB.
3. "W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

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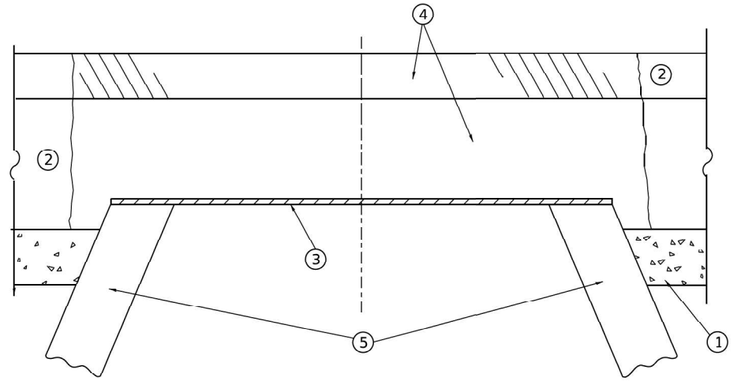
	DRAWN -	REVISED - R. BORO 09-06-11	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - K. SMITH 08-27-19	
PLOT DATE = 11/18/2022	DATE - 11-06-95	REVISED - K. SMITH 11-18-22	

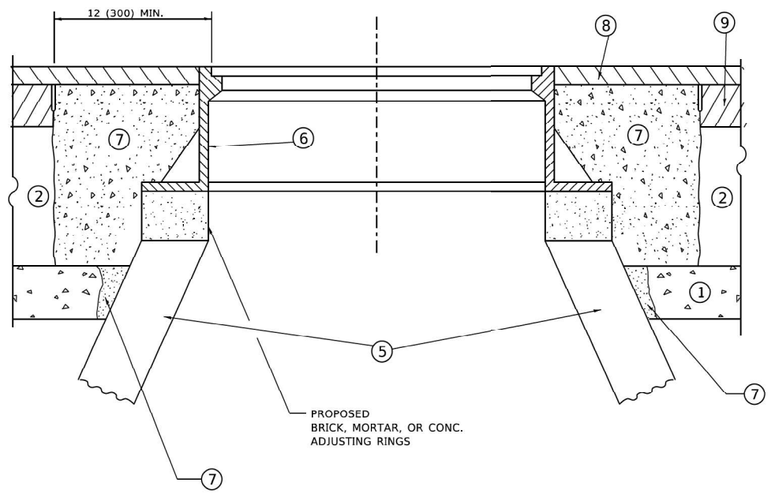
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5m)

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	86
BD400–02 (BD–02)		CONTRACT NO. 62V90		
		ILLINOIS FED. AID PROJECT		





DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

NOTES

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

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

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

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

5. THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.

B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.

C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.

D) BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).

STAGE 2 (AFTER PAVEMENT MILLING)

A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.

B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.

C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

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

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

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

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

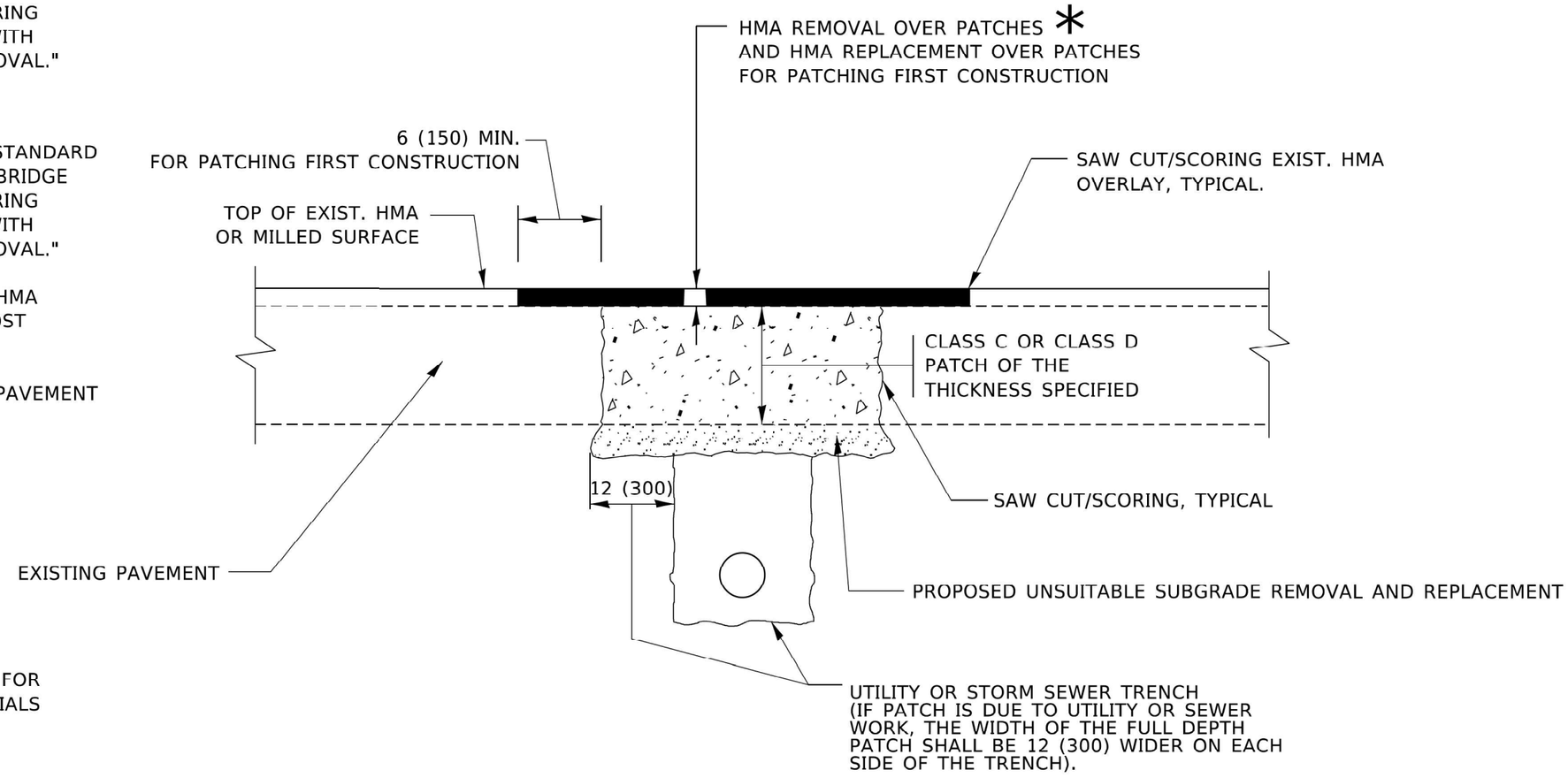
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

METHOD OF MEASUREMENT

REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

BASIS OF PAYMENT

1. REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."
2. SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.
3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

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PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - K. ENG 10-27-08	
PLOT DATE = 11/18/2022	DATE - 10-25-94	REVISED - K. SMITH 11-18-22	

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	88
BD400-04 (BD-22)		CONTRACT NO. 62V90		
		ILLINOIS FED. AID PROJECT		

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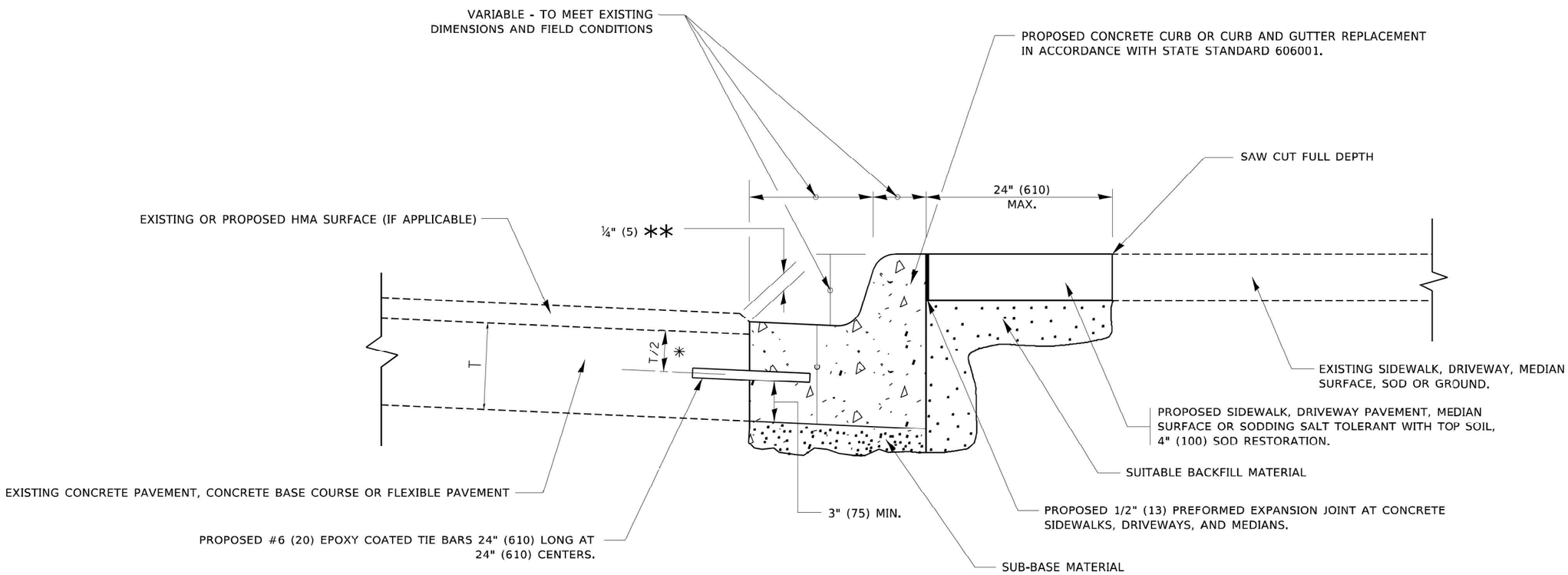

* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

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PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - R. BORO 12-15-09	
PLOT DATE = 7/11/2019	DATE - 03-11-94	REVISED - K. SMITH 07-11-19	

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.
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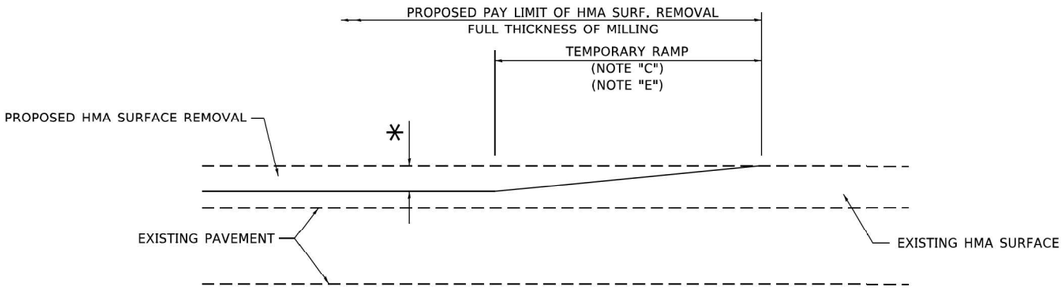
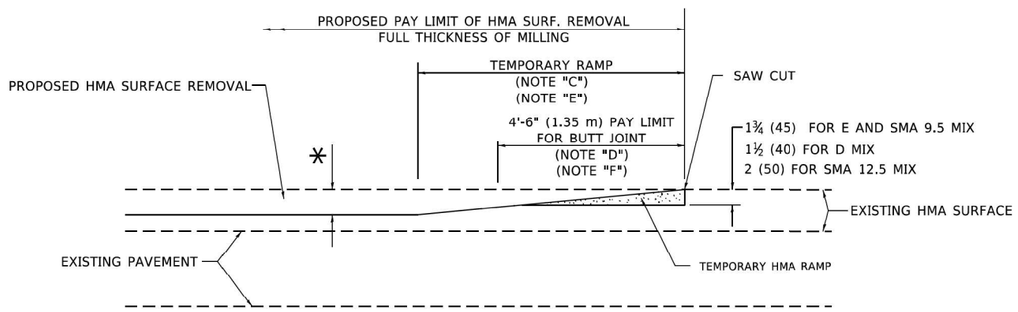
		ILLINOIS	FED. AID PROJECT	



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

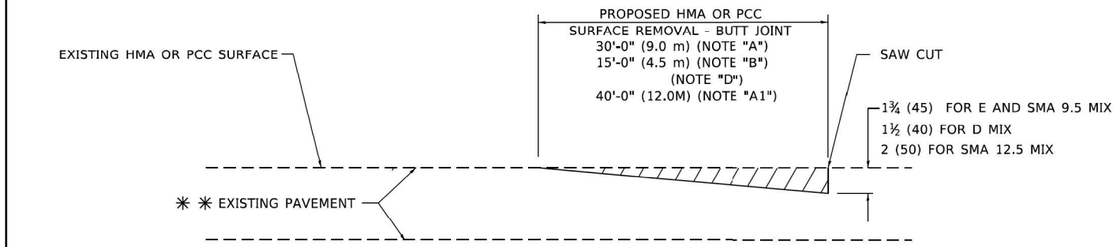


HMA CONSTRUCTED TEMPORARY RAMP

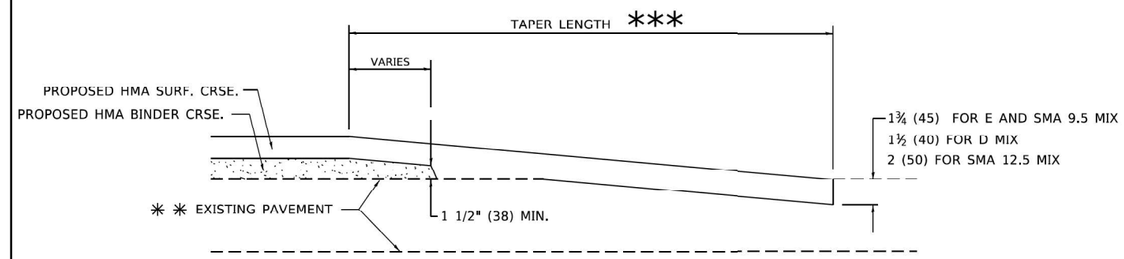
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



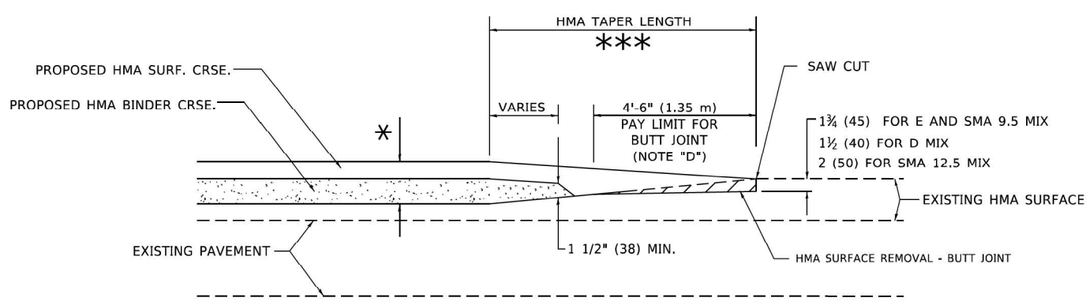
BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

GENERAL NOTES

A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.

A1. INTERSTATES

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' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

F. 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

1. 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".
2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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

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PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. BORO 01-01-07	
PLOT DATE = 11/18/2022	DATE - 06-13-90	REVISED - K. SMITH 11-18-22	

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.
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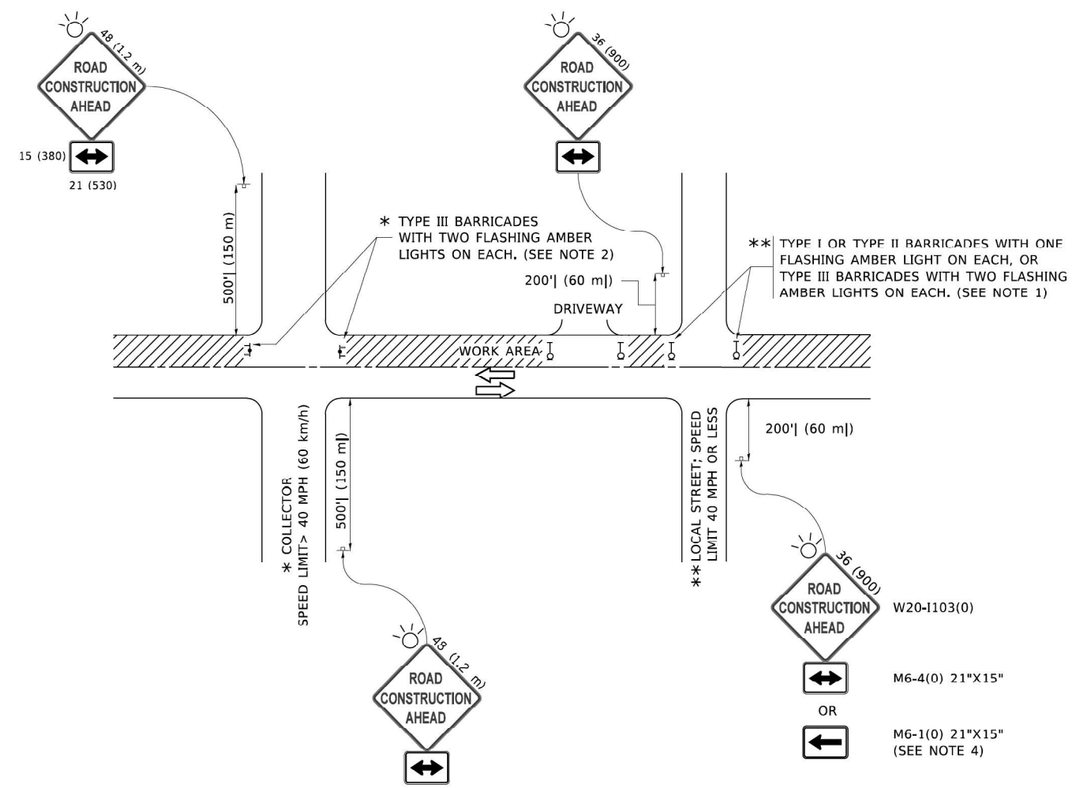
BD400-05 BD-32		CONTRACT NO. 62V90		
		ILLINOIS FED. AID PROJECT		



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.

3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.

4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.

6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.

7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

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	DRAWN -	REVISED - T. RAMMACHER 01-06-00	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13	
PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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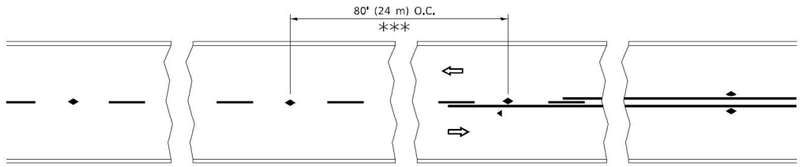
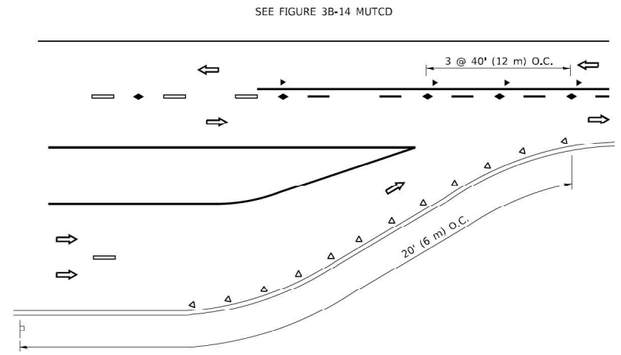
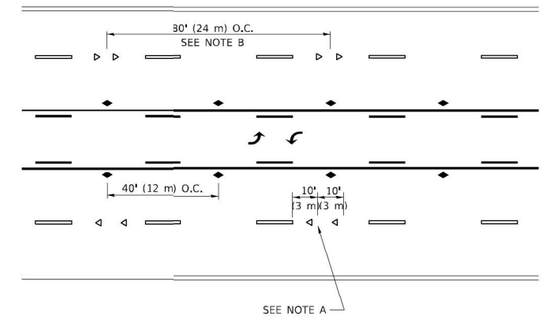


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

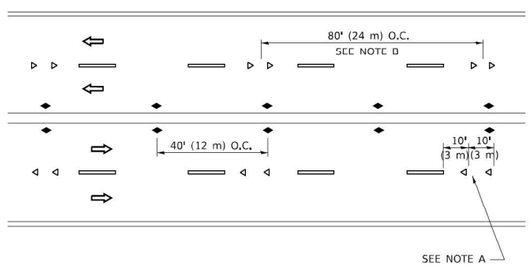
TWO-LANE/TWO-WAY



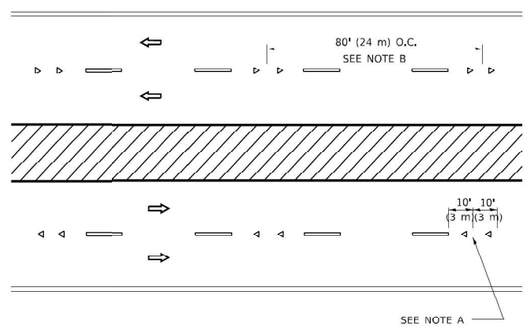
LANE REDUCTION TRANSITION



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

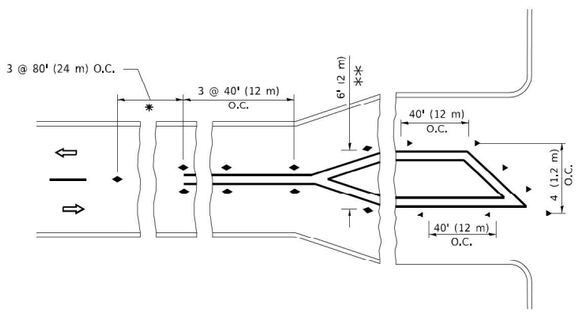
LANE MARKER NOTES

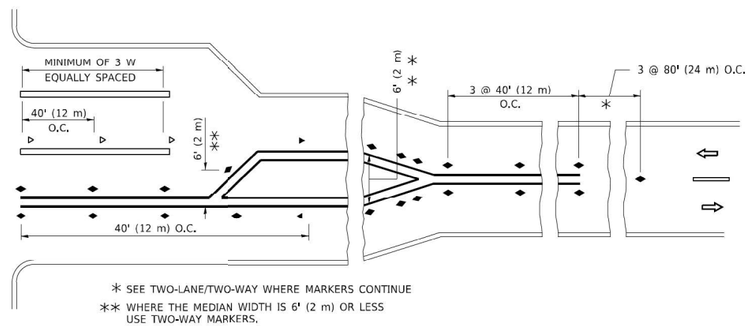
A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

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.

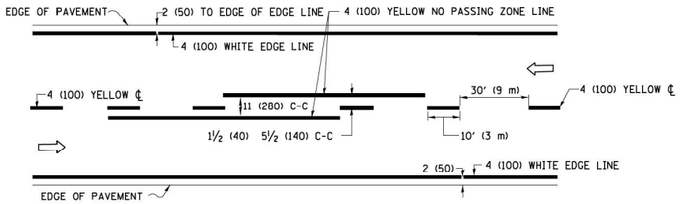
MODEL: Default
FILE NAME: pw:\\ILCBAEBIDINTEG.illinois.gov:PWIDOT\Documents\DOT Offices\District 1\Projects\Dist$\d22v34\CADData\CADsheets\tc11.dgn

Michael Baker INTERNATIONAL 200 West Adams Street, Suite 1800, Chicago, IL 60606 Phone: (312) 707-8770 · MBAKERINTL.COM	USER NAME = footem]	DESIGNED -	REVISED - T. RAMMACHER 03-12-99	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN -	REVISED - T. RAMMACHER 01-06-00	
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 09-09-09	
	PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13	

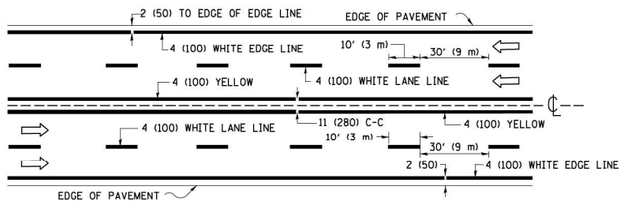
TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

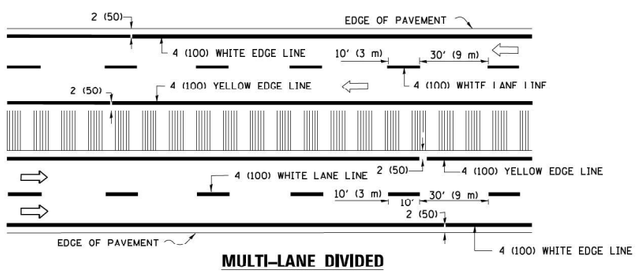
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	92
TC-11		CONTRACT NO. 62V90		
	ILLINOIS	FED. AID PROJECT		



2–LANE ROADWAY

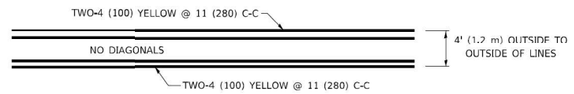


MULTI–LANE UNDIVIDED

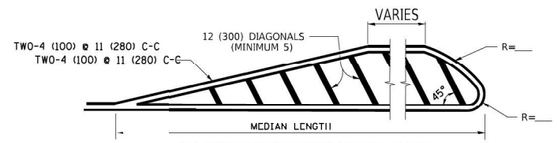


MULTI–LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING



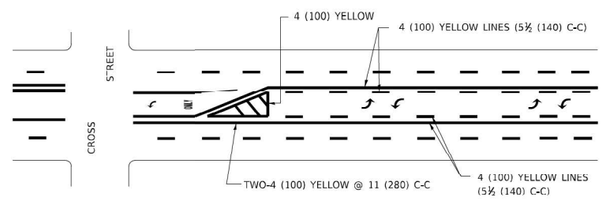
4' (1.2 m) WIDE MEDIANS ONLY



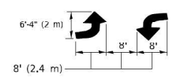
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

MEDIANS OVER 4' (1.2 m) WIDE

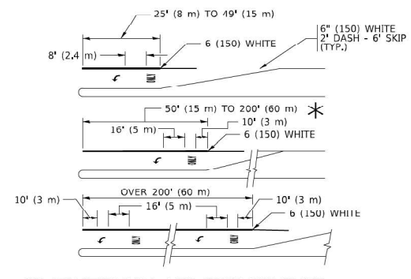


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

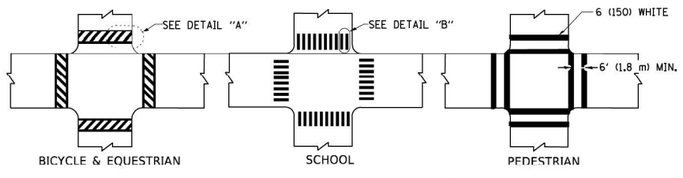


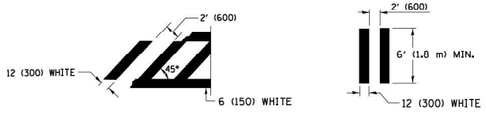
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

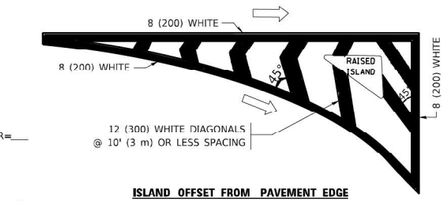




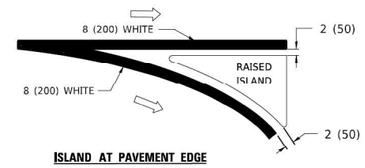
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

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

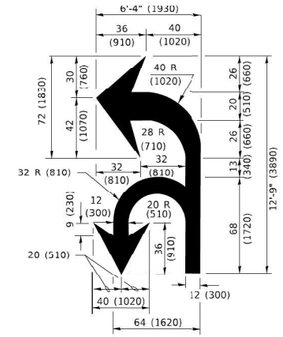


ISLAND OFFSET FROM PAVEMENT EDGE

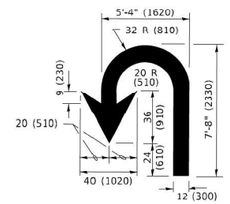


ISLAND AT PAVEMENT EDGE

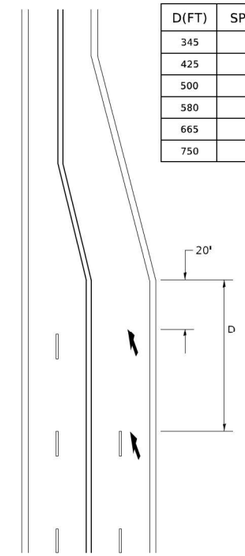
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U–TURN



U–TURN



D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

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USER NAME = footem]	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09	
	DRAWN -	REVISED - C. JUCIUS 07-01-13	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15	
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	93
	TC–13	CONTRACT NO. 62V90		
		ILLINOIS FED. AID PROJECT		

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

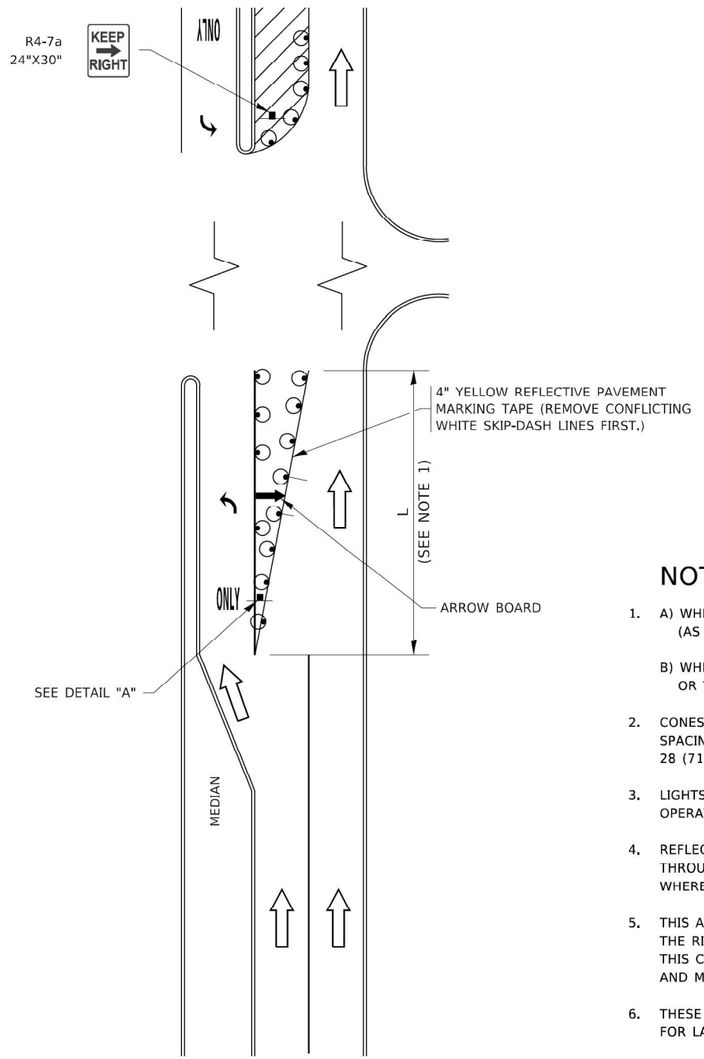


FIGURE 1

LEGEND

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

NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.

   B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.

2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.

3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.

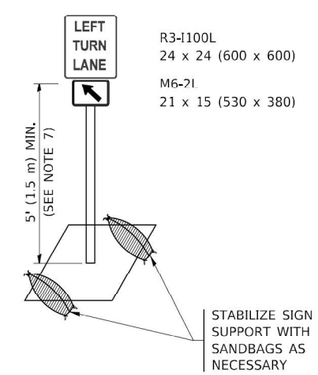
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.

5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.

6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.

7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.

8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



DETAIL A

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

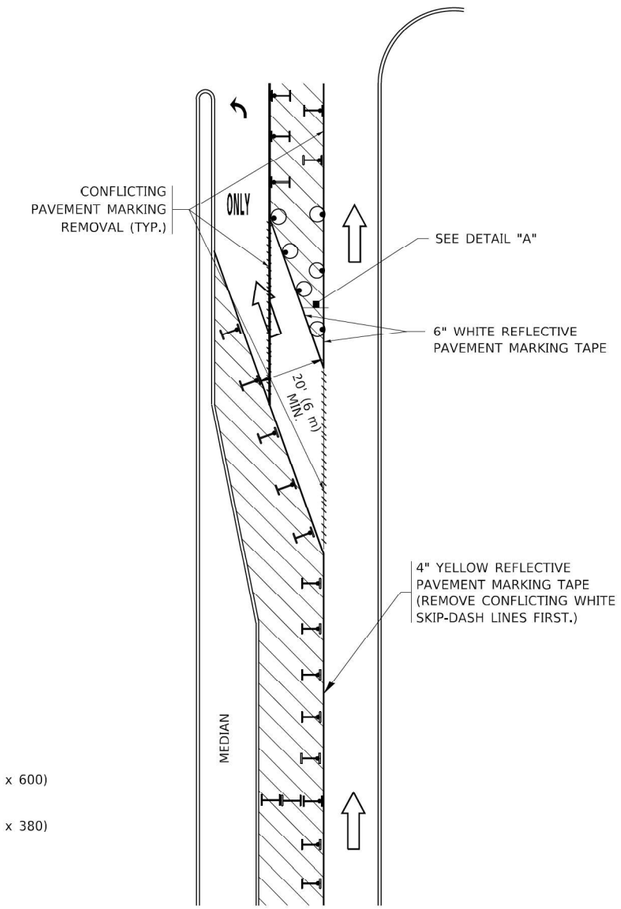


FIGURE 2

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

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USER NAME = footem]	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	
	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13	
PLOT SCALE = 50.0000 ' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16	
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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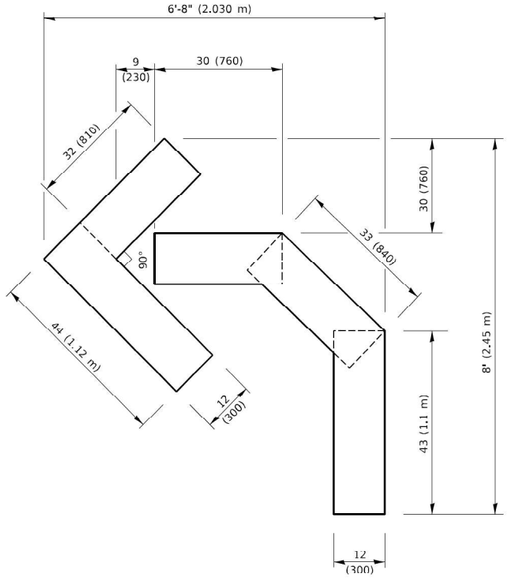
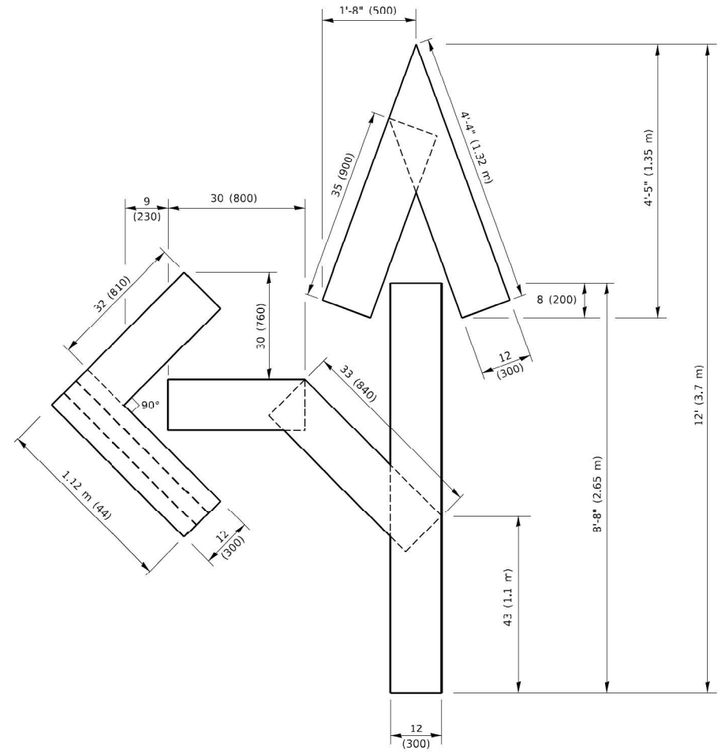
	TC-14	CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	



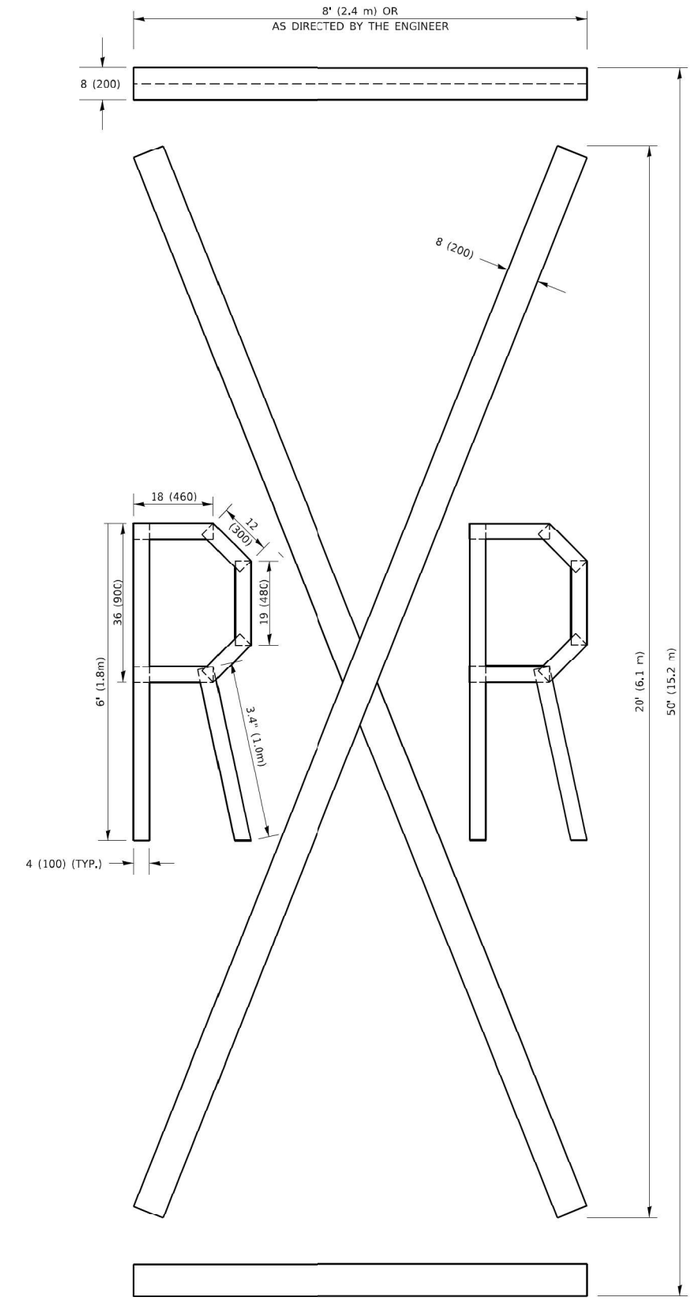
QUANTITY

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



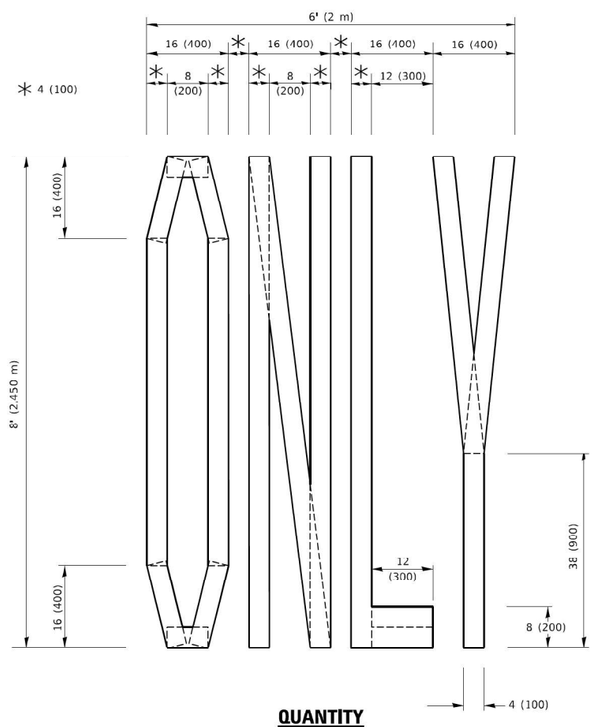
QUANTITY

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



QUANTITY

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



QUANTITY

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

NOTE:

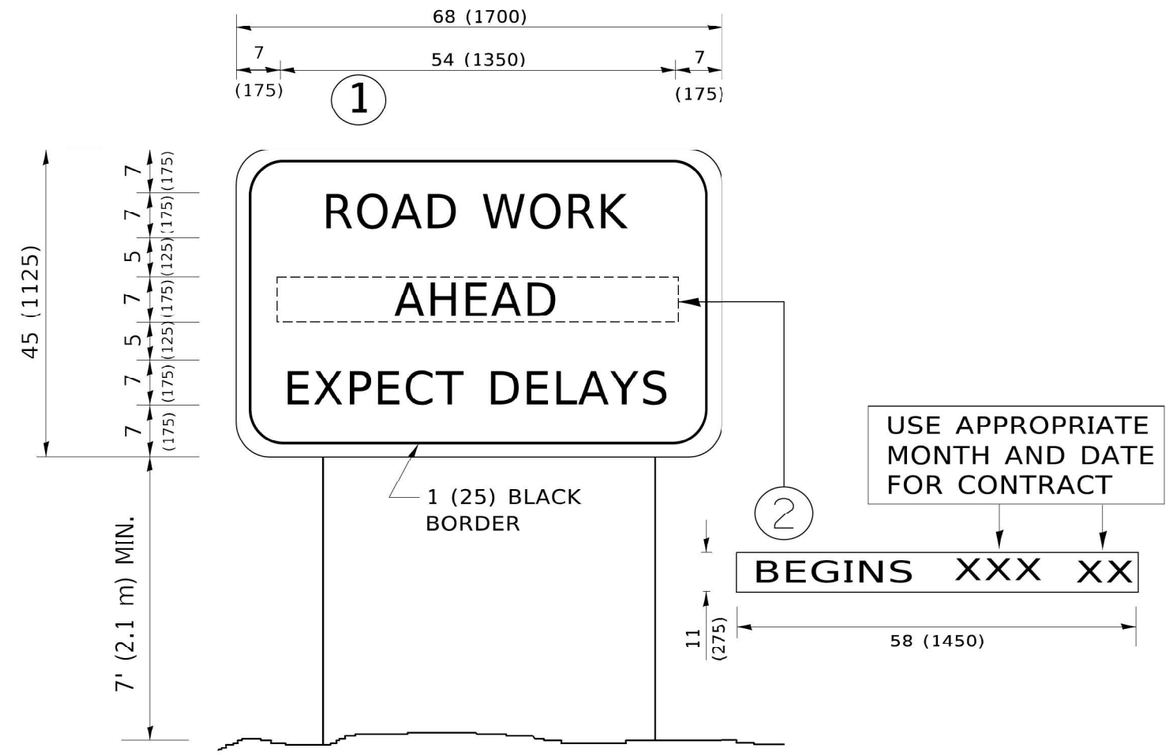
ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.

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

MODEL: Default
FILE NAME: pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\DistStd22-23\CADData\CADsheets\tc16.dgn

Michael Baker INTERNATIONAL 200 West Adams Street, Suite 1800, Chicago, IL 60606 Phone: (312) 707-8770 · MBAKERINTL.COM	USER NAME = footem]	DESIGNED -	REVISED - T. RAMMACHER 03-02-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
		DRAWN -	REVISED - E. GOMEZ 08-28-00		
	PLOT SCALE = 50.0068 ' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00		
	PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16		SCALE: NONE · SHEET 1 OF 1 SHEETS · STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	95
	TC-16	CONTRACT NO. 62V90		
		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.

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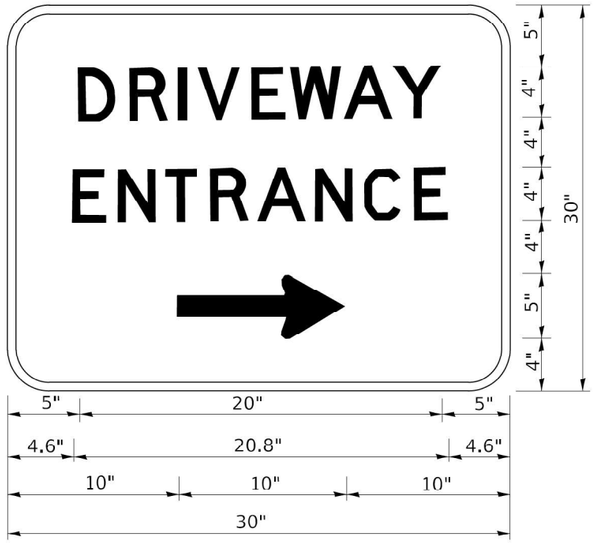
USER NAME = footem]	DESIGNED -	REVISED - R. MIRS 09-15-97	
	DRAWN -	REVISED - R. MIRS 12-11-97	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -T. RAMMACHER 02 02-99	
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07	

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.
2722	FAU 2722 23 SMART	COOK	97	96
	TC-22	CONTRACT NO. 62V90		
		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".

Michael Baker
INTERNATIONAL
200 West Adams Street, Suite 1800, Chicago, IL 60606
Phone: (312) 707-8770 · MBAKERINTL.COM

USER NAME = leysa	DESIGNED -	REVISED - C. JUCIUS 02-15-07	
	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/6/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2722	FAU 2722 23 SMART	COOK	97	97
	TC-26	CONTRACT NO. 62V90		
		ILLINOIS	FED. AID PROJECT	