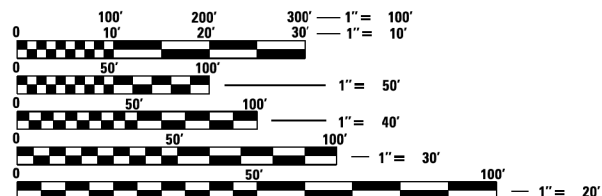


FOR INDEX OF SHEETS SEE SHEET 2

FOR LIST OF APPLICABLE HIGHWAY STANDARDS SEE SHEET 2

TRAFFIC DATA  
BERNARD DRIVE  
DESIGN DESTINATION: MINOR COLLECTOR  
POSTED SPEED = 20-25 MPH  
TRAFFIC = 1750 (2022)



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.

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, PE, SCHAUMBURG, IL.

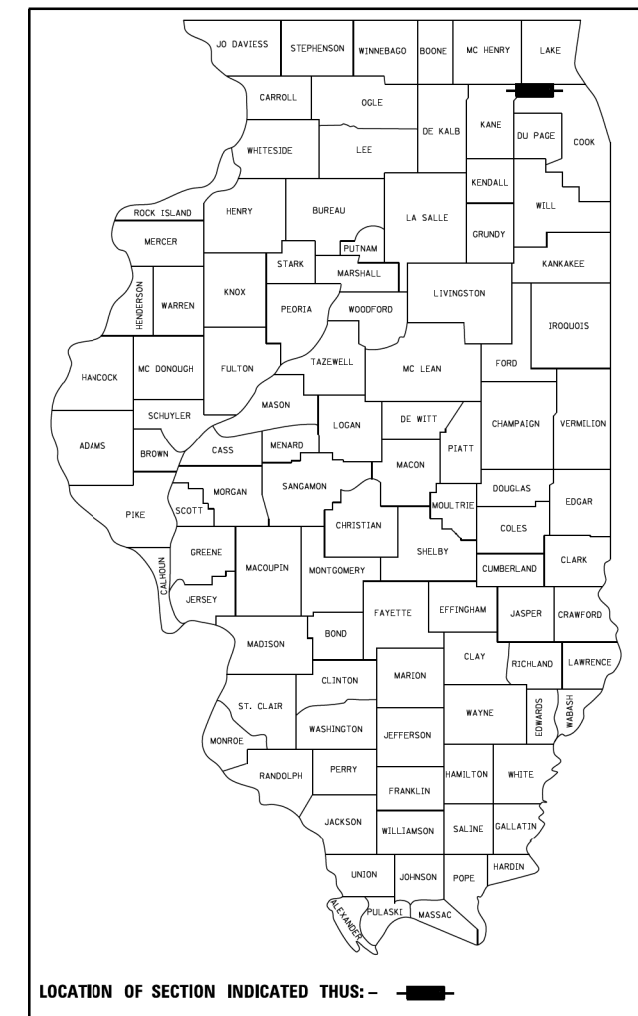
STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

MUN ROUTE 4045 (BERNARD DR)  
ARLINGTON HEIGHTS ROAD TO LINCOLN TERRACE  
SECTION 20-00108-02-RS  
PROJECT NO. WS7C(658)  
ROADWAY RECONSTRUCTION  
VILLAGE OF BUFFALO GROVE  
COOK COUNTY  
JOB NO. C-91-290-24

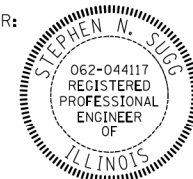
Table with columns: M.U.N. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO. Values: 4045, 20-00108-02-RS, COOK, 164, 1. Includes CONTRACT NO. 61K63 and 164 + 1 = 165 TOTAL SHEETS.



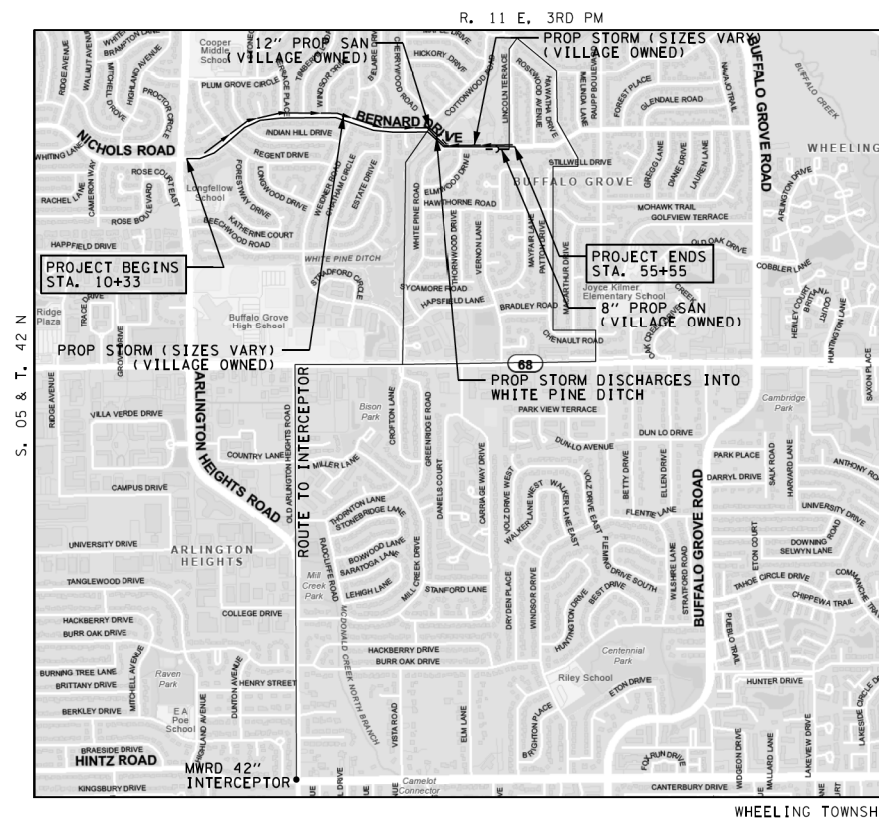
DRAINAGE CERTIFICATION STATEMENT

TO THE BEST OF OUR KNOWLEDGE AND BELIEF, THE DRAINAGE OF THE SURFACE WATERS WILL NOT BE CHANGED BY THE CONSTRUCTION OF THESE IMPROVEMENTS OR ANY PART THEREOF...

ENGINEER:



Signature of Stephen N. Sugg, dated June 10, 2024. Registration No. 062-044117, expiration date 11/30/2025.



LOCATION MAP

1" = 2,500'

GROSS LENGTH - 4,515 FT = 0.86 MILES

NET LENGTH - 4,515 FT = 0.86 MILES



Signature of Stephen N. Sugg, dated June 10, 2024. Registration No. 062-051689, expiration date 11/30/2025.

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

CONTRACT NO. 61K63

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

PROFESSIONAL DESIGN FIRM NO. 184-001175 EXPIRATION DATE: 04/30/25

THE FOLLOWING FLOOD PROTECTION AREAS ARE LOCATED WITHIN 100 FEET OF THE DEVELOPMENT: FLOODWAY, FLOODPLAIN, WETLANDS/BUFFERS, AND RIPARIAN ENVIRONMENT.

Signature of Stephen N. Sugg, PE.

Contact the Metropolitan Water Reclamation District of Greater Chicago 2 days before starting work. (708) 588-4055 WMOJobStart@mwrdd.org

Approval and signature block for Kyle Johnson (7/15/24), District 1 Engineer of Local Roads & Streets, and Regional Engineer (7/18/24).

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS



PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNED	BY
NO.	CHECKED	
	FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
NO.	STRUCTURE	
	NOTATION	

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0004 ROADWAY (STU - 80% FEDERAL, 20% LOCAL)	0004 CULVERT REPLACEMENT (STU - 80% FEDERAL, 20% LOCAL)	0021 SAFETY (STU - 80% FEDERAL, 20% LOCAL)	0028 PEDESTRIAN TRAIL (ITEP - 80% STATE, 20% LOCAL)	0042 TRAINEES (STU - 80% FEDERAL, 20% LOCAL)	0043 NON-PARTICIPATING (100% LOCAL)
* 20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	49	49					
* 20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	584	584					
20101000	TEMPORARY FENCE	FOOT	2830				2830		
* 20101200	TREE ROOT PRUNING	EACH	24				24		
20200100	EARTH EXCAVATION	CU YD	10459	5752			4707		
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	350	350					
20300100	CHANNEL EXCAVATION	CU YD	74	74					
20700220	POROUS GRANULAR EMBANKMENT	CU YD	287		287				
20900110	POROUS GRANULAR BACKFILL	CU YD	26		26				
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	20550	20550					
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	12100				12100		
* 25000110	SEEDING, CLASS 1A	ACRE	2.5				2.5		
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	225				225		
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	225				225		
* 25100127	MULCH, METHOD 3A	ACRE	2.5				2.5		
* 25200200	SUPPLEMENTAL WATERING	UNIT	255				255		

\* SPECIALTY ITEM

FILE NAME =	USER NAME = rhowellindgren	DESIGNED - SNS	REVISED -
N:\BuffaloGrove\200385_C2\Civ1\01xxxxx\ht-C2_S00_01.dgn		DRAWN - JAJ	REVISED -
Default		CHECKED - LMF	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BERNARD DRIVE SUMMARY OF QUANTITIES</b>	
SCALE: N.T.S.	SHEET 1 OF 14 SHEETS
STA.	TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61K63	

PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNED	BY
NO.	CHECKED	
	FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
NO.	STRUCTURE	
	NOTATION	

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0004 ROADWAY (STU - 80% FEDERAL, 20% LOCAL)	0004 CULVERT REPLACEMENT (STU - 80% FEDERAL, 20% LOCAL)	0021 SAFETY (STU - 80% FEDERAL, 20% LOCAL)	0028 PEDESTRIAN TRAIL (ITEP - 80% STATE, 20% LOCAL)	0042 TRAINEES (STU - 80% FEDERAL, 20% LOCAL)	0043 NON-PARTICIPATING (100% LOCAL)
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	250				250		
28000510	INLET FILTERS	EACH	104	104					
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	12100				12100		
28100109	STONE RIPRAP, CLASS A5	SQ YD	15	15					
28100111	STONE RIPRAP, CLASS A6	SQ YD	52	52					
28200200	FILTER FABRIC	SQ YD	67	67					
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	350	350					
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	17936	9865			8071		
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	7269				7269		
31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	3602	3602					
35800100	PREPARATION OF BASE	SQ YD	2000	2000					
35800200	AGGREGATE BASE REPAIR	TON	156	156					
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	40356	40356					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	4036	4036					
40600370	LONGITUDINAL JOINT SEALANT	FOOT	4485	4485					
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	254	254					

\* SPECIALTY ITEM

DATE	
BY	
PLAN	
NO.	
NOTE BOOK	
NO.	
CAD FILE NAME	
ALIGNED CHECKED	
PLOTTED	
SUBMITTED	

DATE	
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PROFILE	
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NOTE BOOK	
NO.	
STATUS CHKD	
STRUCTURE	
GRADES CHECKED	
PLOTTED	
SUBMITTED	

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0004 ROADWAY (STU - 80% FEDERAL, 20% LOCAL)	0004 CULVERT REPLACEMENT (STU - 80% FEDERAL, 20% LOCAL)	0021 SAFETY (STU - 80% FEDERAL, 20% LOCAL)	0028 PEDESTRIAN TRAIL (ITEP - 80% STATE, 20% LOCAL)	0042 TRAINEES (STU - 80% FEDERAL, 20% LOCAL)	0043 NON-PARTICIPATING (100% LOCAL)
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	221	221					
40701801	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 6"	SQ YD	17936	9865			8071		
42000500	PORTLAND CEMENT CONCRETE PAVEMENT 10"	SQ YD	96	96					
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	1544				1544		
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	54				54		
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	50611				50611		
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	6225				6225		
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	424				424		
44000100	PAVEMENT REMOVAL	SQ YD	20512	11282			9230		
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	257	257					
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1859				1859		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	9834	9834					
44000600	SIDEWALK REMOVAL	SQ FT	41096				41096		
50104400	CONCRETE HEADWALL REMOVAL	EACH	2		2				
50105220	PIPE CULVERT REMOVAL	FOOT	61		61				

\* SPECIALTY ITEM

FILE NAME =	USER NAME = rhowellindgren	DESIGNED - SNS	REVISED -
N:\BuffaloGrove\200385_C2\Civil\01\xxxxx\ht-C2_S00_01.dgn		DRAWN - JAJ	REVISED -
Default		CHECKED - LMF	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BERNARD DRIVE  
SUMMARY OF QUANTITIES**

SCALE: N.T.S.    SHEET 3 OF 14 SHEETS    STA.    TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-RS	COOK	164	5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61K63	

PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNED	BY
NO.	CHECKED	
	FILE NAME	
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PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
NO.	STRUCTURE	
	NOTATION	
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SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0004 ROADWAY (STU - 80% FEDERAL, 20% LOCAL)	0004 CULVERT REPLACEMENT (STU - 80% FEDERAL, 20% LOCAL)	0021 SAFETY (STU - 80% FEDERAL, 20% LOCAL)	0028 PEDESTRIAN TRAIL (ITEP - 80% STATE, 20% LOCAL)	0042 TRAINEES (STU - 80% FEDERAL, 20% LOCAL)	0043 NON-PARTICIPATING (100% LOCAL)
50200100	STRUCTURE EXCAVATION	CU YD	550		550				
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	30		30				
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	5850		5850				
* 50900805	PEDESTRIAN RAILING	FOOT	57				57		
52200900	CONCRETE STRUCTURES (RETAINING WALL)	CU YD	43.2		43.2				
54010806	PRECAST CONCRETE BOX CULVERTS 8' X 6'	FOOT	60.5		60.5				
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	339	339					
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	52	52					
550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	220	220					
550A0180	STORM SEWERS, CLASS A, TYPE 1 42"	FOOT	327	327					
550A0190	STORM SEWERS, CLASS A, TYPE 1 48"	FOOT	131	131					
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	21	21					
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	523	523					
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	233	233					
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	447	447					
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	45	45					

\* SPECIALTY ITEM

FILE NAME =	USER NAME = jjezerny	DESIGNED - SNS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BERNARD DRIVE SUMMARY OF QUANTITIES</b>	MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\BuffaloGrove\200385_C2\Cv1\01\101.dgn	Drawn - JAJ	DRAWN - JAJ	REVISED -			1581	20-00108-02-R5	COOK	164	6	
Default	PLOT SCALE = 20'	CHECKED - LMF	REVISED -			CONTRACT NO. 61K63					
	PLOT DATE = 7/10/2024	DATE -	REVISED -			SCALE: N.T.S.	SHEET 4 OF 14 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	ALIGNMENT CHECKED	
	GRADE CHECKED	
	STRUCTURE NOTATION CHECKED	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0004 ROADWAY (STU - 80% FEDERAL, 20% LOCAL)	0004 CULVERT REPLACEMENT (STU - 80% FEDERAL, 20% LOCAL)	0021 SAFETY (STU - 80% FEDERAL, 20% LOCAL)	0028 PEDESTRIAN TRAIL (ITEP - 80% STATE, 20% LOCAL)	0042 TRAINEES (STU - 80% FEDERAL, 20% LOCAL)	0043 NON-PARTICIPATING (100% LOCAL)
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	464	464					
550A0470	STORM SEWERS, CLASS A, TYPE 2 42"	FOOT	296	296					
550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	FOOT	678	678					
550A4710	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 48"	FOOT	254	254					
55100500	STORM SEWER REMOVAL 12"	FOOT	1177	1177					
55100700	STORM SEWER REMOVAL 15"	FOOT	50	50					
55100900	STORM SEWER REMOVAL 18"	FOOT	75	75					
55101100	STORM SEWER REMOVAL 21"	FOOT	189	189					
55101200	STORM SEWER REMOVAL 24"	FOOT	87	87					
55101400	STORM SEWER REMOVAL 30"	FOOT	100	100					
* 56100700	WATER MAIN 8"	FOOT	10	10					
* 56100800	WATER MAIN 10"	FOOT	88	88					
* 56103000	DUCTILE IRON WATER MAIN 6"	FOOT	222						222
* 56103200	DUCTILE IRON WATER MAIN 10"	FOOT	2475						2475
* 56104900	WATER VALVES 6"	EACH	6						6
* 56105000	WATER VALVES 8"	EACH	16						16

\* SPECIALTY ITEM

FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
N:\BuffaloGrove\200385_C2\Civil\01\xxxxx\ht-C2_S00_01.dgn		DRAWN - JAJ	REVISED -
Default		CHECKED - LMF	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BERNARD DRIVE SUMMARY OF QUANTITIES</b>			
SCALE: N.T.S.	SHEET 5	OF 14 SHEETS	STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61K63	

PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNED	BY
NO.	CHECKED	
	FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
NO.	STRUCTURE	
	NOTATION	

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0004 ROADWAY (STU - 80% FEDERAL, 20% LOCAL)	0004 CULVERT REPLACEMENT (STU - 80% FEDERAL, 20% LOCAL)	0021 SAFETY (STU - 80% FEDERAL, 20% LOCAL)	0028 PEDESTRIAN TRAIL (ITEP - 80% STATE, 20% LOCAL)	0042 TRAINEES (STU - 80% FEDERAL, 20% LOCAL)	0043 NON-PARTICIPATING (100% LOCAL)
* 56105100	WATER VALVES 10"	EACH	8						8
* 56200300	WATER SERVICE LINE 1"	FOOT	3100						3100
* 56300300	ADJUSTING WATER SERVICE LINES	FOOT	348	348					
* 56400400	FIRE HYDRANTS TO BE RELOCATED	EACH	3	3					
* 56400500	FIRE HYDRANTS TO BE REMOVED	EACH	8						8
* 56400700	FIRE HYDRANTS (SPECIAL)	EACH	15						15
* 56400810	FIRE HYDRANT EXTENSION	FOOT	10						10
* 56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	21	21					
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	110		110				
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	105	105					
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	1508	1508					
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1					
60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	50	50					
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	12	12					
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6	6					
60222000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	1					

\* SPECIALTY ITEM

FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
N:\BuffaloGrove\200385_C2\Civ1\01xxxxx\ht-C2_S00_01.dgn		DRAWN - JAJ	REVISED -
Default		CHECKED - LMF	REVISED -
	PLOT DATE = 7/10/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BERNARD DRIVE SUMMARY OF QUANTITIES</b>	
SCALE: N.T.S.	SHEET 6 OF 14 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	8
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61K63	



PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNED	BY
NO.	CHECKED	
	FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
NO.	STRUCTURE	
	NOTATION	

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0004 ROADWAY (STU - 80% FEDERAL, 20% LOCAL)	0004 CULVERT REPLACEMENT (STU - 80% FEDERAL, 20% LOCAL)	0021 SAFETY (STU - 80% FEDERAL, 20% LOCAL)	0028 PEDESTRIAN TRAIL (ITEP - 80% STATE, 20% LOCAL)	0042 TRAINEES (STU - 80% FEDERAL, 20% LOCAL)	0043 NON-PARTICIPATING (100% LOCAL)
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	14	14					
60224459	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	4					
60224469	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1					
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	1	1					
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	14	14					
* 60248700	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1						1
* 60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	8						8
* 60249010	VALVE VAULTS, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1						1
60256700	MANHOLES TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	EACH	1	1					
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	7	7					
60500040	REMOVING MANHOLES	EACH	6	6					
60500050	REMOVING CATCH BASINS	EACH	21	21					
60500060	REMOVING INLETS	EACH	13	13					
60500105	FILLING MANHOLES	EACH	7	7					
60600605	CONCRETE CURB, TYPE B	FOOT	136				136		
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	46	46					

\* SPECIALTY ITEM

FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
N:\BuffaloGrove\200385_C2\Civil\01\XXXXX\ht-C2_S00_01.dgn		DRAWN - JAJ	REVISED -
Default		CHECKED - LMF	REVISED -
	PLOT DATE = 7/10/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BERNARD DRIVE SUMMARY OF QUANTITIES</b>	
SCALE: N.T.S.	SHEET 7 OF 14 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61K63	

PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNED	BY
NO.	CHECKED	
	FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
NO.	STRUCTURE	
	NOTATION	

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0004 ROADWAY (STU - 80% FEDERAL, 20% LOCAL)	0004 CULVERT REPLACEMENT (STU - 80% FEDERAL, 20% LOCAL)	0021 SAFETY (STU - 80% FEDERAL, 20% LOCAL)	0028 PEDESTRIAN TRAIL (ITEP - 80% STATE, 20% LOCAL)	0042 TRAINEES (STU - 80% FEDERAL, 20% LOCAL)	0043 NON-PARTICIPATING (100% LOCAL)
60608562	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12	FOOT	270	270					
60609200	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12	FOOT	120	120					
67100100	MOBILIZATION	L SUM	1	1					
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	200	200					
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1140	1140					
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	380	380					
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	1100	1100					
70300281	TEMPORARY PAVEMENT MARKING - LINE 24" - PAINT	FOOT	110	110					
* 72000100	SIGN PANEL - TYPE 1	SQ FT	26	26					
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	4	4					
* 72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	11	11					
* 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	4	4					
* 72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	93	93					
* 72400720	RELOCATE SIGN PANEL - TYPE 2	SQ FT	10	10					
* 73000100	WOOD SIGN SUPPORT	FOOT	366	366					
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1100	1100					

\* SPECIALTY ITEM

FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BERNARD DRIVE SUMMARY OF QUANTITIES</b>	MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\BuffaloGrove\200385_C2\Civil\01xxxxx\ht-C2_S00_01.dgn	DRAWN - JAJ	REVISED -	1581			20-00108-02-R5	COOK	164	10	
Default	PLOT SCALE = 20'	CHECKED - LMF	REVISED -			CONTRACT NO. 61K63			ILLINOIS FED. AID PROJECT	
	PLOT DATE = 7/10/2024	DATE -	REVISED -			SCALE: N.T.S.	SHEET 8 OF 14 SHEETS	STA. TO STA.		

PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNED	BY
NO.	CHECKED	
	FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES	BY
NO.	CHECKED	
	STRUCTURE	
	NOTATION	

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0004 ROADWAY (STU - 80% FEDERAL, 20% LOCAL)	0004 CULVERT REPLACEMENT (STU - 80% FEDERAL, 20% LOCAL)	0021 SAFETY (STU - 80% FEDERAL, 20% LOCAL)	0028 PEDESTRIAN TRAIL (ITEP - 80% STATE, 20% LOCAL)	0042 TRAINEES (STU - 80% FEDERAL, 20% LOCAL)	0043 NON-PARTICIPATING (100% LOCAL)
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	120	120					
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1235	1235					
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	110	110					
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	50	50					
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	140	140					
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	20	20					
* 78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	1100	1100					
* 78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	120	120					
* 78011065	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	1235	1235					
* 78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	110	110					
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1			1			
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	74			74			
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	8				8		
* 88600100	DETECTOR LOOP, TYPE I	FOOT	125			125			
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	74			74			
* A2004512	TREE, GINKGO BILOBA AUTUMN GOLD (AUTUMN GOLD GINKGO), 2" CALIPER, BALLED AND BURLAPPED	EACH	2				2		

\* SPECIALTY ITEM

FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
N:\BuffaloGrove\200385_C2\Civil\01\XXXXX	ht-C2_S00_01.dgn	DRAWN - JAJ	REVISED -
Default	PLOT SCALE = 20'	CHECKED - LMF	REVISED -
	PLOT DATE = 7/10/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BERNARD DRIVE SUMMARY OF QUANTITIES</b>			
SCALE: N.T.S.	SHEET 9	OF 14 SHEETS	STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61K63	

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ALIGNMENT CHECKED	
FIELD CHECKED	
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NOTE BOOK	
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SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
PROFILE	
NOTE BOOK	
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SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0004 ROADWAY (STU - 80% FEDERAL, 20% LOCAL)	0004 CULVERT REPLACEMENT (STU - 80% FEDERAL, 20% LOCAL)	0021 SAFETY (STU - 80% FEDERAL, 20% LOCAL)	0028 PEDESTRIAN TRAIL (ITEP - 80% STATE, 20% LOCAL)	0042 TRAINEES (STU - 80% FEDERAL, 20% LOCAL)	0043 NON-PARTICIPATING (100% LOCAL)
* A2005016	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2" CALIPER, BALLED AND BURLAPPED	EACH	2				2		
* A2005328	TREE, LIQUIDAMBAR STYRACIFLUA MORAINA (MORAINA SWEETGUM), 2" CALIPER, BALLED AND BURLAPPED	EACH	1				1		
* A2007116	TREE, QUERCUS RUBRA (RED OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	2				2		
* A2007916	TREE, TILIA AMERICANA REDMOND (REDMOND AMERICAN LINDEN), 2" CALIPER, BALLED AND BURLAPPED	EACH	2				2		
* A2015994	TREE, FAGUS SYLVATICA, EUROPEAN BEECH, 2-1/2" BALLED AND BURLAPPED	EACH	1				1		
* K0036120	MULCH PLACEMENT 4"	SQ YD	417				417		
* X0326899	SOLAR-POWERED FLASHING BEACON ASSEMBLY (COMPLETE)	EACH	2				2		
* X0327094	VALVE BOX 6"	EACH	6						6
X0327754	TEMPORARY BULKHEAD	EACH	1	1					
X0327989	REMOVE EXISTING BRICK PAVERS	SQ FT	139	139					
X1200015	VALVE VAULTS TO BE ABANDONED	EACH	10	10					
* X1200221	NON-PRESSURE CONNECTION TO EXISTING WATER MAIN	EACH	4						4
X2080250	TRENCH BACKFILL (SPECIAL)	CU YD	12545	12545					
X2130010	EXPLORATION TRENCH (SPECIAL)	FOOT	300	300					
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	70	70					
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	2	2					

\* SPECIALTY ITEM

FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
N:\BuffaloGrove\200385_C2\Civ1\01\XXXXX\ht-C2_S00_01.dgn	DRAWN - JAJ	REVISOR -	REVISED -
Default	PLOT SCALE = 20'	CHECKED - LMF	REVISED -
	PLOT DATE = 7/10/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BERNARD DRIVE SUMMARY OF QUANTITIES</b>			
SCALE: N.T.S.	SHEET 10 OF 14 SHEETS	STA.	TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	12
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61K63	

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ALIGNMENT CHECKED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	
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PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	
CADD FILE NAME	

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0004 ROADWAY (STU - 80% FEDERAL, 20% LOCAL)	0004 CULVERT REPLACEMENT (STU - 80% FEDERAL, 20% LOCAL)	0021 SAFETY (STU - 80% FEDERAL, 20% LOCAL)	0028 PEDESTRIAN TRAIL (ITEP - 80% STATE, 20% LOCAL)	0042 TRAINEES (STU - 80% FEDERAL, 20% LOCAL)	0043 NON-PARTICIPATING (100% LOCAL)
X4023000	TEMPORARY ACCESS (ROAD)	EACH	17	17					
X4060995	TEMPORARY RAMP (SPECIAL)	SQ YD	580	580					
X4240800	DETECTABLE WARNINGS (SPECIAL)	SQ FT	781				781		
X5021507	DEWATERING	L SUM	1		1				
* X5510308	SANITARY SEWER REMOVAL 8"	FOOT	69	69					
* X5510312	SANITARY SEWER REMOVAL 12"	FOOT	217	217					
* X5610706	WATER MAIN REMOVAL, 6"	FOOT	292	292					
* X5610708	WATER MAIN REMOVAL, 8"	FOOT	223	223					
* X5610712	WATER MAIN REMOVAL, 12"	FOOT	276	276					
* X5610746	WATER MAIN LINE STOP 6"	EACH	2	2					
* X5610748	WATER MAIN LINE STOP 8"	EACH	2	2					
* X5620030	WATER SERVICE CONNECTION 1"	EACH	73						73
* X5630006	CUT AND CAP EXISTING 6" WATER MAIN	EACH	9						9
* X5630008	CUT AND CAP EXISTING 8" WATER MAIN	EACH	9						9
* X5630012	CUT AND CAP EXISTING 12" WATER MAIN	EACH	28						28
X5810103	WATERPROOFING MEMBRANE SYSTEM FOR BURIED STRUCTURES	SQ YD	74		74				

\* SPECIALTY ITEM

FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BERNARD DRIVE SUMMARY OF QUANTITIES</b>	MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\BuffaloGrove\200385_C2\Civil\01\*****ht-C2_S00_01.dgn	DRAWN - JAJ	REVISOR -	1581			20-00108-02-R5	COOK	164	13	
Default	PLOT SCALE = 20'	CHECKED - LMF	REVISOR -			CONTRACT NO. 61K63				
	PLOT DATE = 7/10/2024	DATE -	REVISOR -			SCALE: N.T.S.	SHEET 11 OF 14 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	

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REVISIONS	
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GRADES	
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STRUCTURE	
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PROFILE	
NOTE BOOK	
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SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0004 ROADWAY (STU - 80% FEDERAL, 20% LOCAL)	0004 CULVERT REPLACEMENT (STU - 80% FEDERAL, 20% LOCAL)	0021 SAFETY (STU - 80% FEDERAL, 20% LOCAL)	0028 PEDESTRIAN TRAIL (ITEP - 80% STATE, 20% LOCAL)	0042 TRAINEES (STU - 80% FEDERAL, 20% LOCAL)	0043 NON-PARTICIPATING (100% LOCAL)
* X6026056	SANITARY MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	32	32					
* X6026622	VALVE VAULTS TO BE REMOVED	EACH	9	9					
X6040205	FRAMES AND LIDS (SPECIAL)	EACH	12	12					
X6061700	COMBINATION CONCRETE CURB AND GUTTER, TYPE B (SPECIAL)	FOOT	9435	5189			4246		
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1					
* X8860107	PREFORMED DETECTOR LOOP	FOOT	82			82			
XX001095	MAILBOX REMOVAL AND REPLACEMENT	EACH	43	43					
* XX001877	SUMP PUMP LINE CONNECTION	EACH	3	3					
* XX003803	SANITARY SEWER SERVICE 6"	FOOT	375	375					
XX006188	REMOVE AND RE-ERECT SEGMENTAL BLOCK RETAINING WALL	SQ FT	50		50				
XX006821	CONCRETE TRUCK WASHOUT	L SUM	1	1					
* XX009157	WATER MAIN 8" (SPECIAL)	FOOT	1170	632					538
* XX009605	WATER MAIN 10" (SPECIAL)	FOOT	1000						1000
Z0004510	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"	SQ YD	130	130					
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1					
Z0018911	DRILL AND GROUT #6 TIE BARS	EACH	40	40					

\* SPECIALTY ITEM

FILE NAME =	USER NAME = rhowellindgren	DESIGNED - SNS	REVISED -
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		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BERNARD DRIVE SUMMARY OF QUANTITIES</b>			
SCALE: N.T.S.	SHEET 12 OF 14 SHEETS	STA.	TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-RS	COOK	164	14
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61K63	

PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNED	BY
NO.	CHECKED	
	FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
NO.	STRUCTURE	
	NOTATION	

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0004 ROADWAY (STU - 80% FEDERAL, 20% LOCAL)	0004 CULVERT REPLACEMENT (STU - 80% FEDERAL, 20% LOCAL)	0021 SAFETY (STU - 80% FEDERAL, 20% LOCAL)	0028 PEDESTRIAN TRAIL (ITEP - 80% STATE, 20% LOCAL)	0042 TRAINEES (STU - 80% FEDERAL, 20% LOCAL)	0043 NON-PARTICIPATING (100% LOCAL)
Z0019600	DUST CONTROL WATERING	UNIT	180	180					
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52	52					
* Z0044298	PRESSURE CONNECTION TO EXISTING WATER MAIN	EACH	1						1
Z0054400	ROCK FILL	CU YD	30		30				
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	658	658					
Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	85	85					
Z0056612	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	143	143					
Z0056616	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	FOOT	33	33					
Z0056620	STORM SEWER (WATER MAIN REQUIREMENTS) 30 INCH	FOOT	245	245					
Z0056622	STORM SEWER (WATER MAIN REQUIREMENTS) 36 INCH	FOOT	128	128					
Z0056626	STORM SEWER (WATER MAIN REQUIREMENTS) 48 INCH	FOOT	344	344					
* Z0056900	SANITARY SEWER 8"	FOOT	69	69					
* Z0057100	SANITARY SEWER 12"	FOOT	217	217					
Z0062456	TEMPORARY PAVEMENT	SQ YD	1000	1000					
* Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	4			4			
Z0076600	TRAINEES	HOUR	1000					1000	

\* SPECIALTY ITEM

FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BERNARD DRIVE SUMMARY OF QUANTITIES</b>	MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\BuffaloGrove\200385_C2\Civil\01\XXXXX\ht-C2_S00_01.dgn	DRAWN - JAJ	REVISOR -	1581			20-00108-02-R5	COOK	164	15	
Default	PLOT SCALE = 20'	CHECKED - LMF	REVISOR -			CONTRACT NO. 61K63			ILLINOIS FED. AID PROJECT	
	PLOT DATE = 7/10/2024	DATE -	REVISOR -			SCALE: N.T.S.	SHEET 13 OF 14 SHEETS	STA. TO STA.		

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	ALIGNMENT CHECKED		
	CAD FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE NOTATION CHKD		

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE						
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0004 ROADWAY (STU - 80% FEDERAL, 20% LOCAL)	0004 CULVERT REPLACEMENT (STU - 80% FEDERAL, 20% LOCAL)	0021 SAFETY (STU - 80% FEDERAL, 20% LOCAL)	0028 PEDESTRIAN TRAIL (ITEP - 80% STATE, 20% LOCAL)	0042 TRAINEES (STU - 80% FEDERAL, 20% LOCAL)	0043 NON-PARTICIPATING (100% LOCAL)
Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1000					1000	
XX009638	STORM SEWERS, DUCTILE IRON, 48"	FOOT	18	18					
* XX009639	VALVE BOX 8"	EACH	2						2

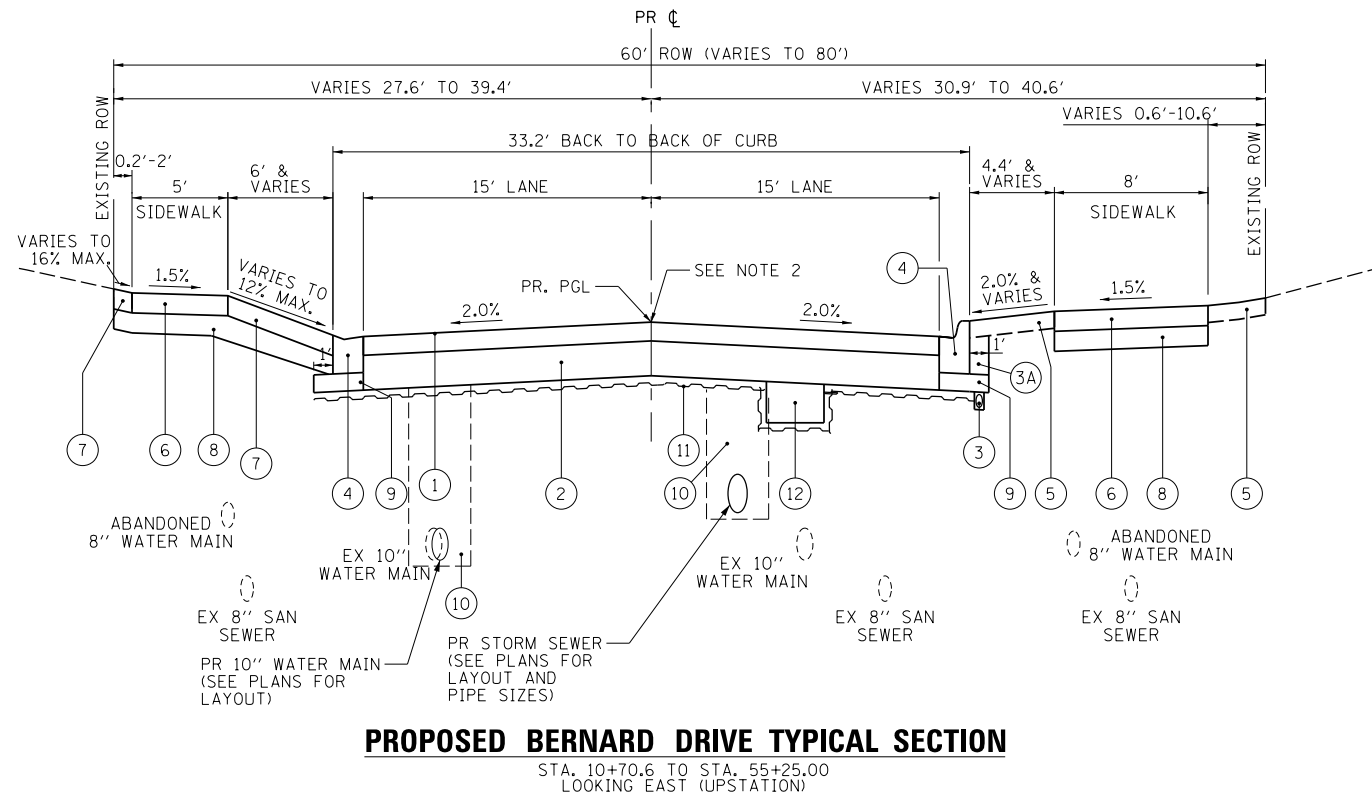
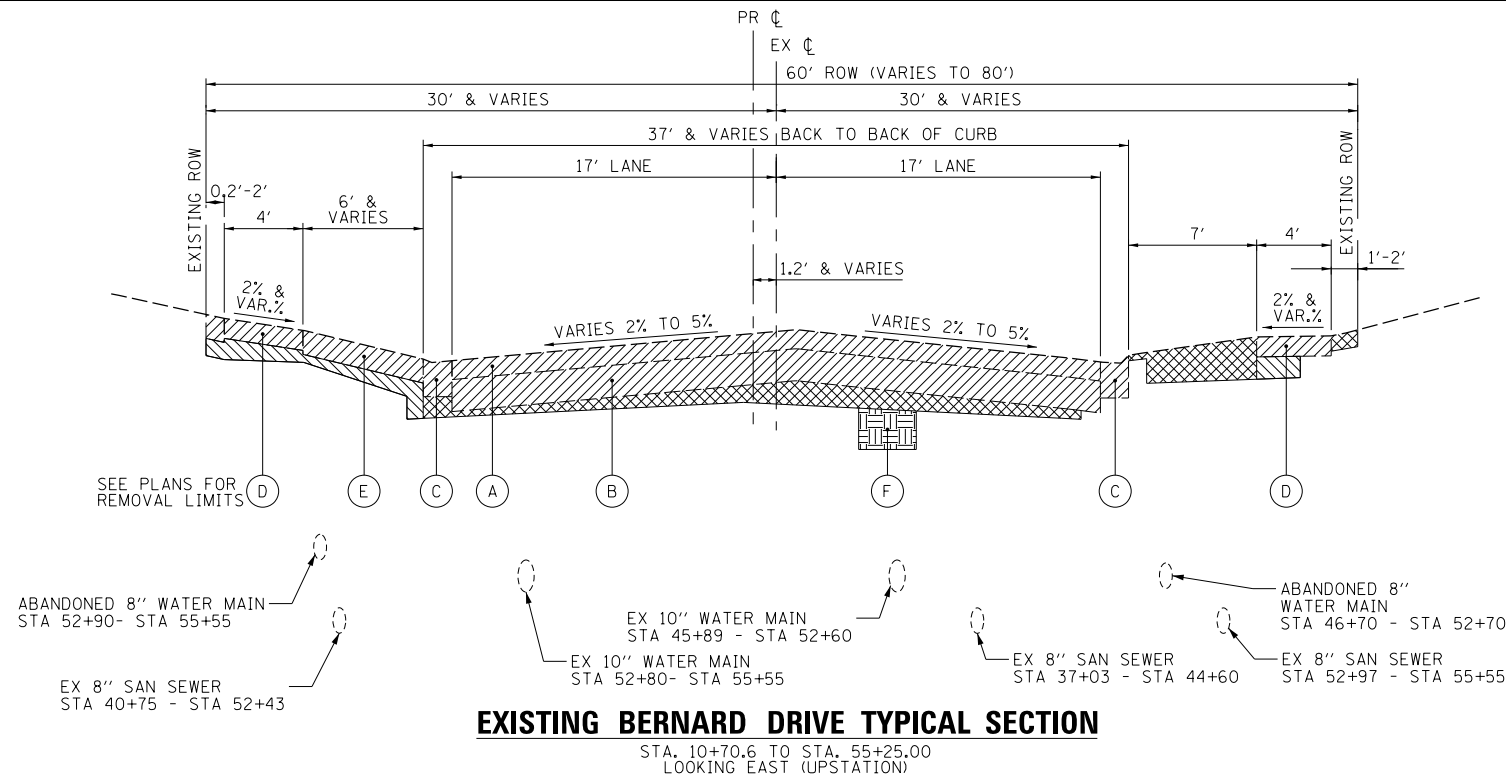
\* SPECIALTY ITEM

FILE NAME =	USER NAME = jjezerny	DESIGNED - SNS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BERNARD DRIVE SUMMARY OF QUANTITIES</b>	MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\BuffaloGrove\200385_C2\Civil\01xxxxx\ht-C2_S00_01.dgn	DRAWN - JAJ	CHECKED - LMF	REVISED -			1581	20-00108-02-R5	COOK	164	16	
Default	PLOT SCALE = 20'	DATE -	REVISED -			CONTRACT NO. 61K63					
	PLOT DATE = 7/10/2024					SCALE: N.T.S.	SHEET 14 OF 14 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	



DATE	BY
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DATE	BY
PROFILE	SURVEYED
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	STRUCTURE
	NOT AT THIS CHFD
	NO.



**EXISTING LEGEND**

- (A) HMA PAVEMENT (THICKNESS VARIES FROM 6" TO 10" - SEE PAVEMENT CORES) REMOVED AS PAVEMENT REMOVAL (44000100)
- (B) GRANULAR SUBGRADE (THICKNESS VARIES FROM 6" TO 10" - SEE PAVEMENT CORES) REMOVED AS EARTH EXCAVATION (20200100)
- (C) COMBINATION CURB AND GUTTER REMOVAL (44000500)
- (D) SIDEWALK REMOVAL (44000600)
- (E) DRIVEWAY PAVEMENT REMOVAL (44000200)
- (F) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200) (AS DIRECTED BY THE ENGINEER)

- REMOVAL ITEMS
- EARTH EXCAVATION
- ANY ADDITIONAL EXCAVATION NEEDED TO INSTALL SIDEWALK OR DRIVEWAY SHALL BE PAID FOR AS EARTH EXCAVATION
- UNDERCUT (REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL) AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT

**PROPOSED LEGEND**

- (1) HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6" (40701801)
- (2) AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)
- (3) PIPE UNDERDRAINS, 4" (SPECIAL) (60108100) - SEE NOTE 1
- (3A) FA-1 SAND BACKFILL (INCLUDED IN COST OF PIPE UNDERDRAINS, 4" (SPECIAL))
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-4.12 - (PAID FOR AS COMBINATION CONCRETE CURB AND GUTTER, TYPE B (SPECIAL) (X6061700) (MINIMUM GUTTER THICKNESS SHALL BE 12")
- (5) TOPSOIL FURNISH AND PLACE, 4" (21101615)  
SEEDING, CLASS 1A (25000110)  
MULCH, METHOD 3A (25100127)
- (6) PORTLAND CEMENT CONCRETE SIDEWALK 5" (42400200)  
PORTLAND CEMENT CONCRETE SIDEWALK 6" (42400300)  
PORTLAND CEMENT CONCRETE SIDEWALK 8" (42400410)
- (7) PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6" (42300200)  
PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8" (42300400)
- (8) SUBBASE GRANULAR MATERIAL, TYPE B 4" (31101200)
- (9) SUBBASE GRANULAR MATERIAL, TYPE B 6" (CA-11 GRADATION) (31101400)
- (10) TRENCH BACKFILL, SPECIAL (20800150)
- (11) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (21001000)
- (12) AGGREGATE SUBGRADE IMPROVEMENT (30300001) (AS DIRECTED BY THE ENGINEER)

**NOTE:**

1. UNDERDRAINS AT THE OUTSIDE EDGE OF PAVEMENT SHALL BE INSTALLED FOR 50 FT. ON EACH SIDE OF CURB-LINE DRAINAGE INLETS. TRANSVERSE UNDERDRAINS SHALL BE INSTALLED AT ALL PROFILE SAGS AND AT ANY UNDERCUTS DETERMINED IN THE FIELD.
2. THE CONTRACTOR SHALL PLACE THE PROPOSED BINDER COURSE ON BERNARD DRIVE ONE-HALF OF THE ROADWAY AT A TIME. THE CONTRACTOR SHALL SAWCUT A CLEAN, VERTICAL JOINT AT THE INSIDE EDGE OF THE BINDER COURSE NO MORE THAN 24 HOURS PRIOR TO PLACING THE SECOND HALF OF THE BINDER COURSE. THE CONTRACTOR SHALL PROTECT THE SAWCUT JOINT TO ENSURE A GOOD BOND BETWEEN THE TWO STAGES OF BINDER COURSE PLACEMENT. THE SAWCUT WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF HMA BINDER COURSE, IL-19.0, N50

**NOTES:**

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LB/SQ YD/IN.
2. THE "AC TYPE" FOR HMA SHALL BE PG64-22 UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE HMA BINDER COURSE, IL-19.0 N50.

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

	AIR VOIDS @Ndes	OMP
HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 6"		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 2"	4.0% @ 50 GYR	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 4"	4.0% @ 50 GYR	LR 1030-2
BERNARD CT AND GREENWOOD CT		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 2"	4.0% @ 50 GYR	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 2 1/2"	4.0% @ 50 GYR	LR 1030-2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QA/QC) PER LR-1030-2		

**CONT. HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

	AIR VOIDS @Ndes	OMP
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 3"	4.0% @ 50 GYR	LR 1030-2
TEMPORARY RAMP, SPECIAL		
HMA SURFACE COURSE, IL-9.5, MIX "D", N50; VARIABLE DEPTH	4.0% @ 50 GYR	LR 1030-2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QA/QC) PER LR-1030-2		



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NOTE BOOK	PLOTTED
NO.	CHECKED
	GRADES
	STRUCTURE
	NOTATRS
	CHKD

ELEVATION BENCHMARKS DATUM: NAVD'88 (GPS OBSERVED)		
NO.	DESCRIPTION	ELEV.
CP 114	MAG NAIL 2" N OF S PAVEMENT EDGE OF BERNARD DR AT CENTERLINE TERRACE PL	708.44
CP 115	MAG NAIL 2" N OF S PAVEMENT EDGE OF BERNARD DR 4' W OF CENTERLINE BERNARD CT	713.38
CP 116	CROSS CUT IN CONC. WALK, NW CORNER OF INDIAN HILL DR/BERNARD INTERSECTION	713.38
CP 117	CROSS CUT IN CONC. WALK, SW CORNER OF REGENT DR/BERNARD INTERSECTION	714.45
CP 118	MAG NAIL S PAVEMENT EDGE AT 1907 BERNARD DR	716.97

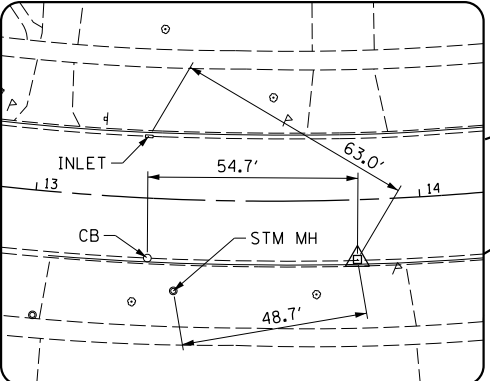
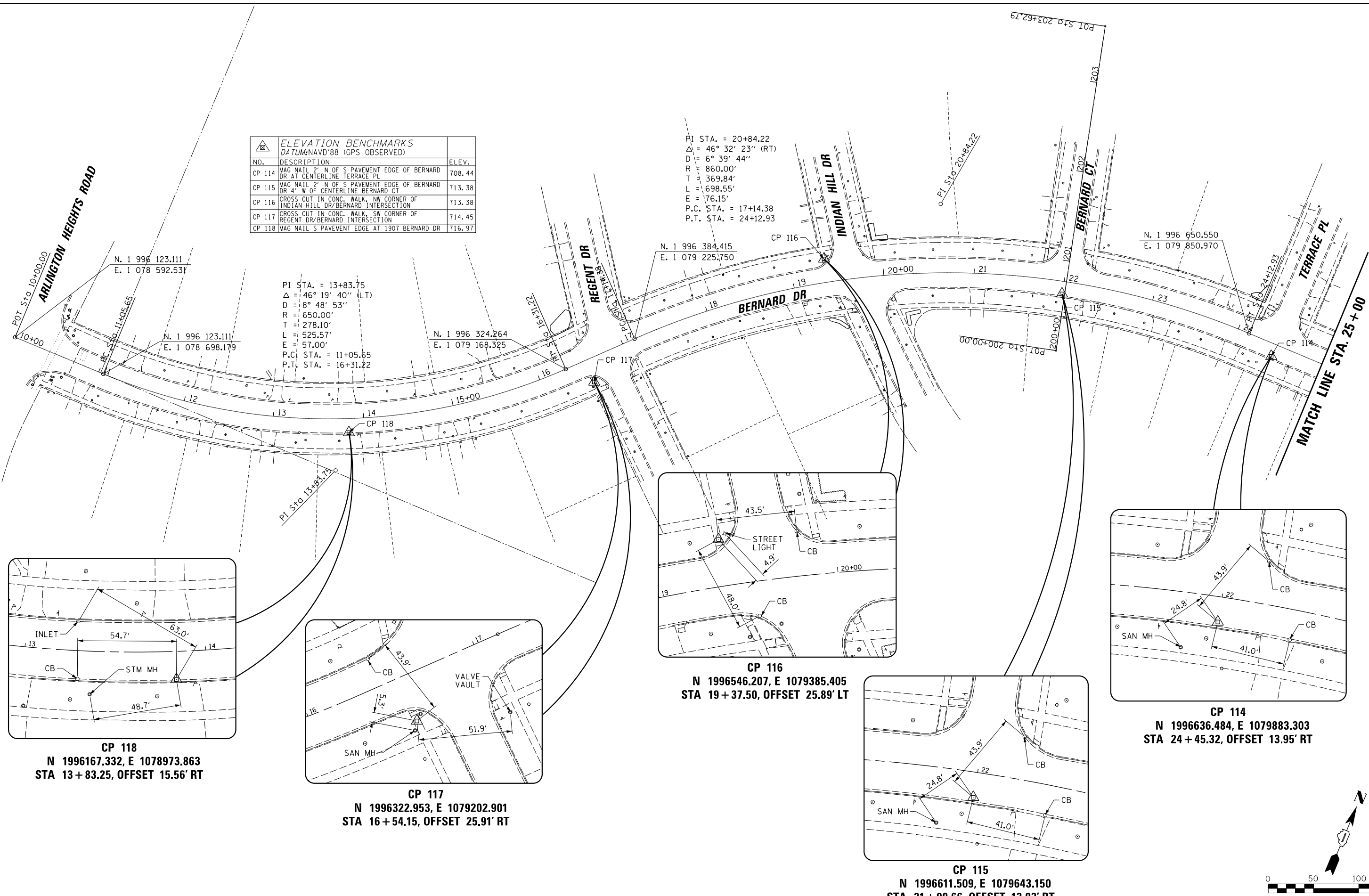
PI STA. = 20+84.22  
 $\Delta = 46^\circ 32' 23''$  (RT)  
 $D = 6^\circ 39' 44''$   
 $R = 860.00'$   
 $T = 369.84'$   
 $L = 698.55'$   
 $E = 76.15'$   
P.C. STA. = 17+14.38  
P.T. STA. = 24+12.93

PI STA. = 13+83.75  
 $\Delta = 46^\circ 19' 40''$  (LT)  
 $D = 8^\circ 48' 53''$   
 $R = 650.00'$   
 $T = 278.10'$   
 $L = 525.57'$   
 $E = 57.00'$   
P.C. STA. = 11+05.65  
P.T. STA. = 16+31.22

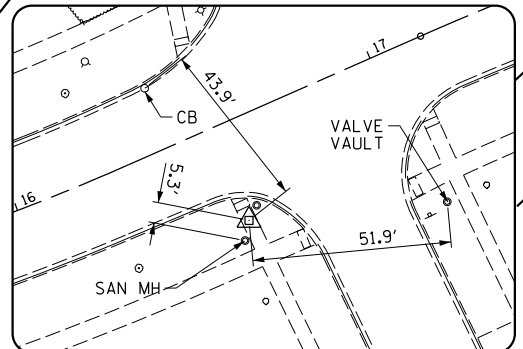
N. 1 996 324.264  
E. 1 079 168.325

N. 1 996 384.415  
E. 1 079 225.750

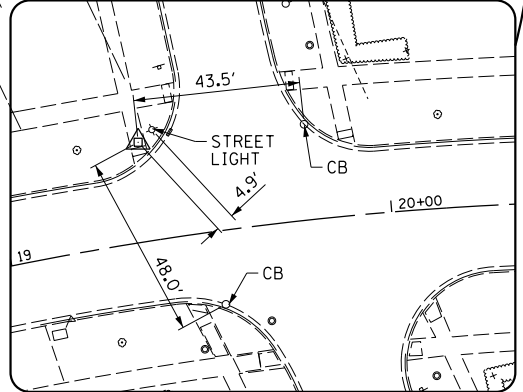
N. 1 996 650.550  
E. 1 079 850.970



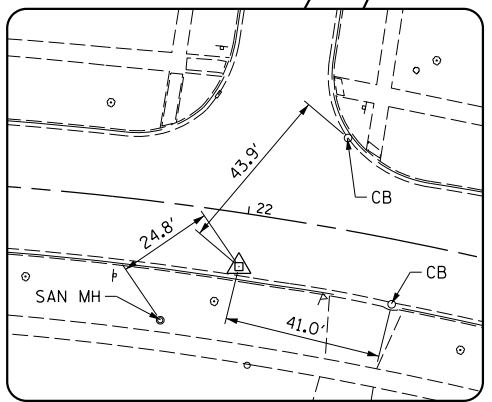
**CP 118**  
N 1996167.332, E 1078973.863  
STA 13 + 83.25, OFFSET 15.56' RT



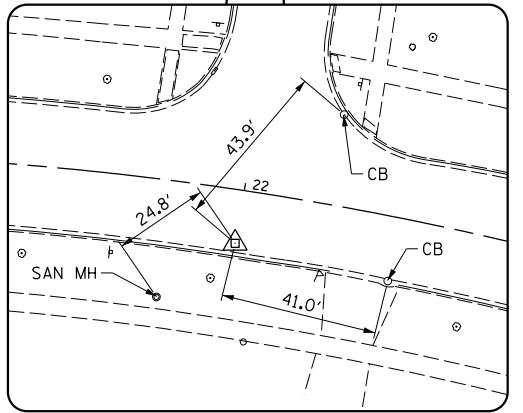
**CP 117**  
N 1996322.953, E 1079202.901  
STA 16 + 54.15, OFFSET 25.91' RT



**CP 116**  
N 1996546.207, E 1079385.405  
STA 19 + 37.50, OFFSET 25.89' LT



**CP 115**  
N 1996611.509, E 1079643.150  
STA 21 + 99.66, OFFSET 13.93' RT



**CP 114**  
N 1996636.484, E 1079883.303  
STA 24 + 45.32, OFFSET 13.95' RT

FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
N:\BuffaloGrove\200385_C2\Civil\01xxxxx-ht-C2.ATB-01.dgn		DRAWN - JAJ	REVISED -
Default		CHECKED - LMF	REVISED -
	PLOT DATE = 7/10/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BERNARD DRIVE ALIGNMENT, TIES AND BENCHMARKS</b>			
SCALE:	SHEET 1	OF 3 SHEETS	STA. 10+00.00 TO STA. 25+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	19
				CONTRACT NO. 61K63
ILLINOIS FED. AID PROJECT				

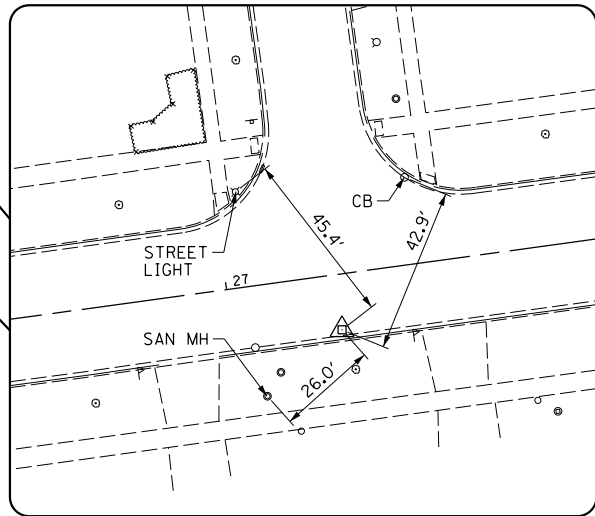
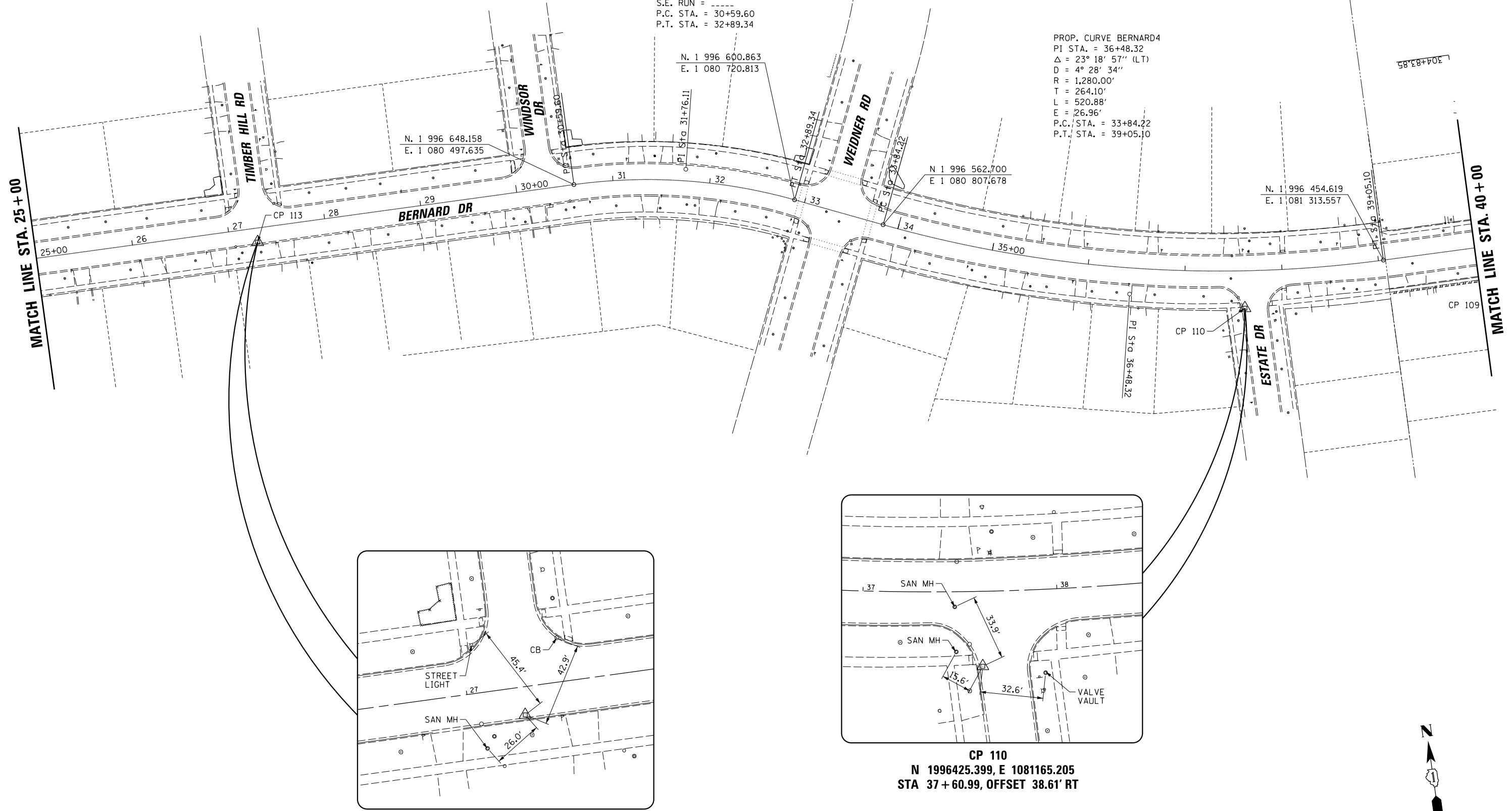
ELEVATION BENCHMARKS DATUM: NAVD'88 (GPS OBSERVED)		
NO.	DESCRIPTION	ELEV.
CP 110	MAG NAIL 1.5' E OF ESTATE DR PAVEMENT EDGE, AT APPROX. S RIGHT-OF-WAY LINE BERNARD DR	690.49
CP 113	MAG NAIL 5' E OF W PAVEMENT EDGE AT TIMBER HILL RD/BERNARD INTERSECTION	703.65

PI STA. = 31+76.11  
 $\Delta$  = 23° 30' 21" (RT)  
 D = 10° 13' 53"  
 R = 560.00'  
 T = 116.51'  
 L = 229.74'  
 E = 11.99'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA. = 30+59.60  
 P.T. STA. = 32+89.34

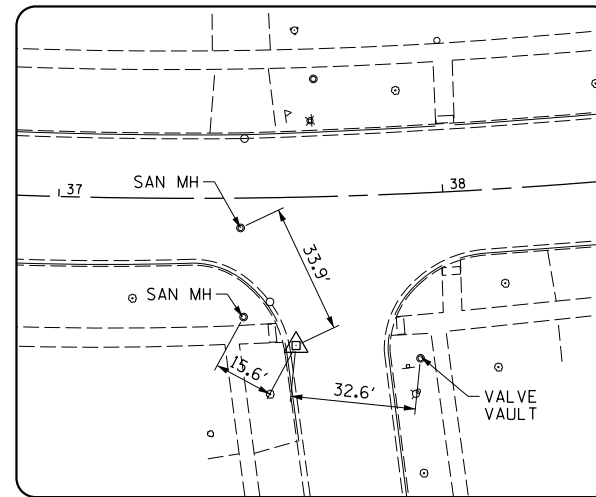
PROP. CURVE BERNARD4  
 PI STA. = 36+48.32  
 $\Delta$  = 23° 18' 57" (LT)  
 D = 4° 28' 34"  
 R = 1,280.00'  
 T = 264.10'  
 L = 520.88'  
 E = 26.96'  
 P.C. STA. = 33+84.22  
 P.T. STA. = 39+05.10

PLAN	SURVEYED	DATE
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	ALIGNED	
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	NO.	

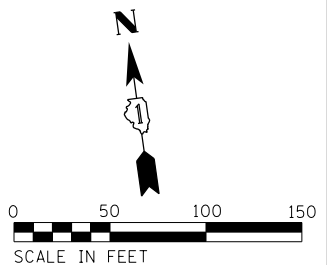
PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	GRADES	
	STRUCTURE	
	NOTATIS	
	CHKD	
	NO.	



**CP 113**  
 N 1996634.926, E 1080166.351  
 STA 27 + 28.37, OFFSET 14.46' RT



**CP 110**  
 N 1996425.399, E 1081165.205  
 STA 37 + 60.99, OFFSET 38.61' RT



FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
N:\BuffaloGrave\200385_C2\Civil\DIxxxxx	ht-C2.ATB-02.dgn	DRAWN - JAJ	REVISED -
Default	PLOT DATE = 7/10/2024	CHECKED - LMF	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

<b>BERNARD DRIVE</b>			
<b>ALIGNMENT, TIES AND BENCHMARKS</b>			
SCALE:	SHEET 2	OF 3 SHEETS	STA. 25+00.00 TO STA. 40+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	20
CONTRACT NO. 61K63				
ILLINOIS FED. AID PROJECT				

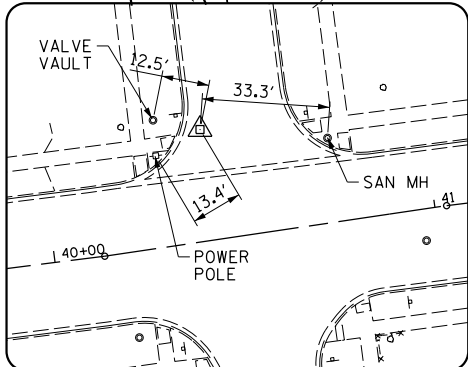
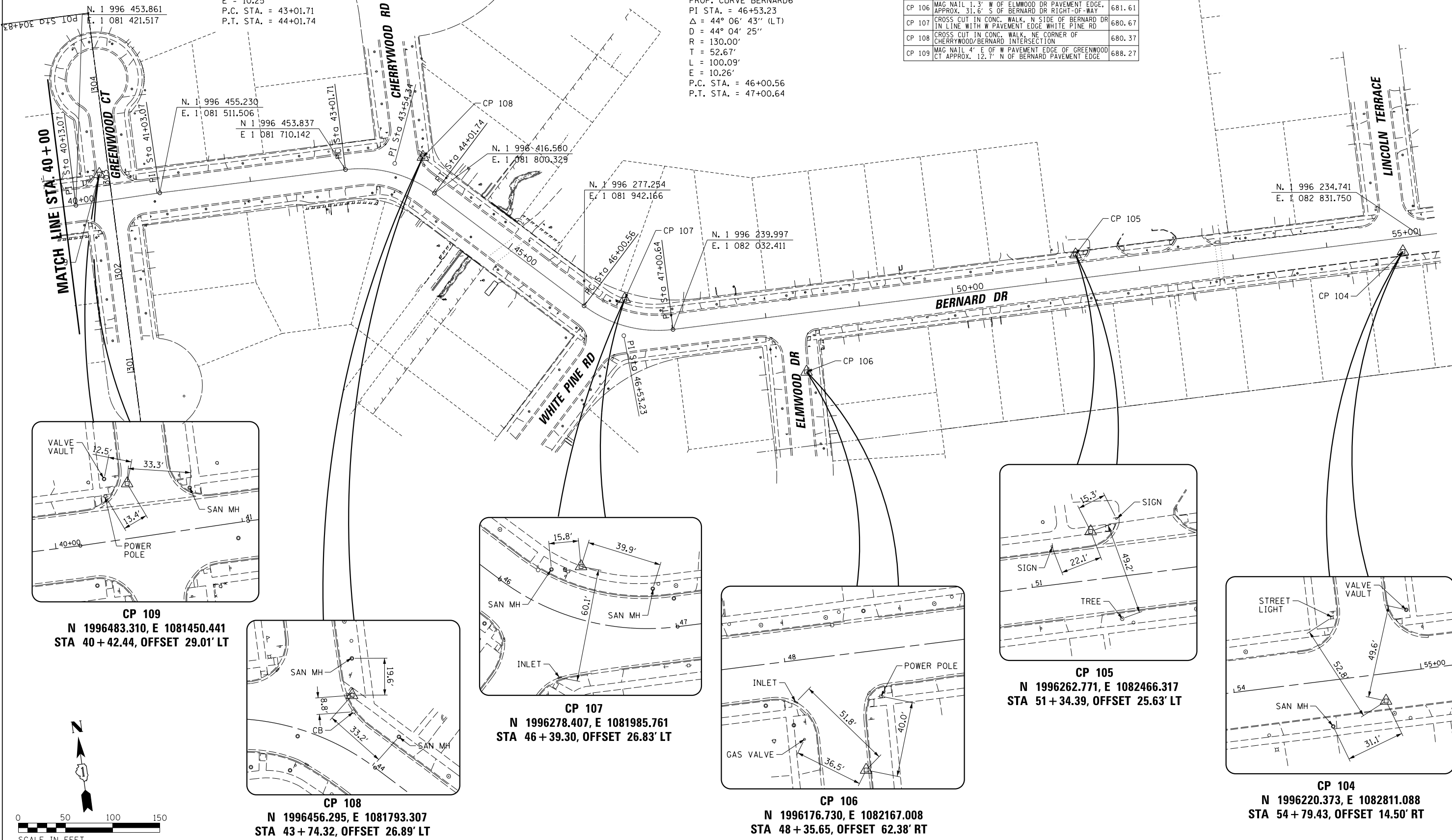
PROP. CURVE BERNARD5  
 PI STA. = 43+54.34  
 $\Delta$  = 44° 05' 12" (RT)  
 D = 44° 04' 25"  
 R = 130.00'  
 T = 52.64'  
 L = 100.03'  
 E = 10.25'  
 P.C. STA. = 43+01.71  
 P.T. STA. = 44+01.74

PROP. CURVE BERNARD6  
 PI STA. = 46+53.23  
 $\Delta$  = 44° 06' 43" (LT)  
 D = 44° 04' 25"  
 R = 130.00'  
 T = 52.67'  
 L = 100.09'  
 E = 10.26'  
 P.C. STA. = 46+00.56  
 P.T. STA. = 47+00.64

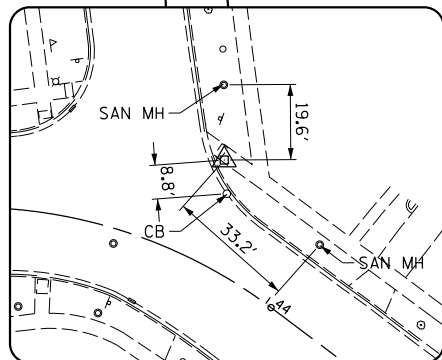
ELEVATION BENCHMARKS DATUM: NAVD'88 (GPS OBSERVED)		
NO.	DESCRIPTION	ELEV.
CP 104	MAG NAIL 3' N OF S PAVEMENT EDGE OF BERNARD DR APPROX. 6.6' E OF CENTERLINE LINCOLN TERR	693.51
CP 106	MAG NAIL 1.3' W OF ELMWOOD DR PAVEMENT EDGE, APPROX. 31.6' S OF BERNARD DR RIGHT-OF-WAY	681.61
CP 107	CROSS CUT IN CONC. WALK, N SIDE OF BERNARD DR IN LINE WITH W PAVEMENT EDGE WHITE PINE RD	680.67
CP 108	CROSS CUT IN CONC. WALK, NE CORNER OF CHERRYWOOD/BERNARD INTERSECTION	680.37
CP 109	MAG NAIL 4' E OF W PAVEMENT EDGE OF GREENWOOD CT APPROX. 12.7' N OF BERNARD PAVEMENT EDGE	688.27

DATE	
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DATE	
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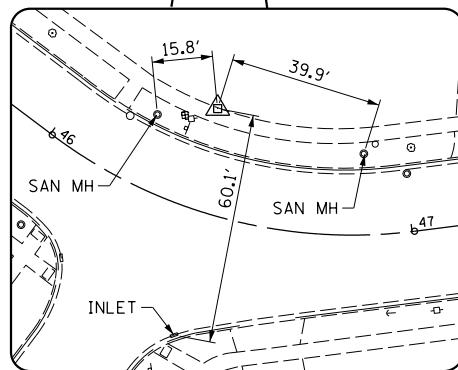
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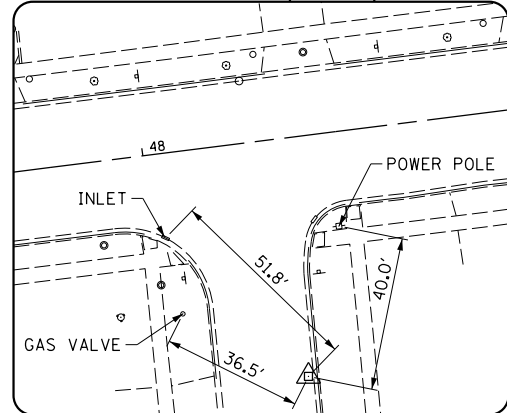
CP 109  
 N 1996483.310, E 1081450.441  
 STA 40 + 42.44, OFFSET 29.01' LT



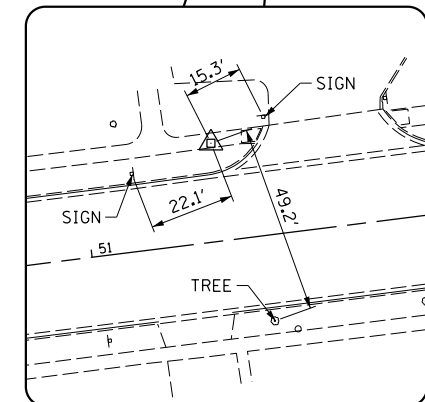
CP 108  
 N 1996456.295, E 1081793.307  
 STA 43 + 74.32, OFFSET 26.89' LT



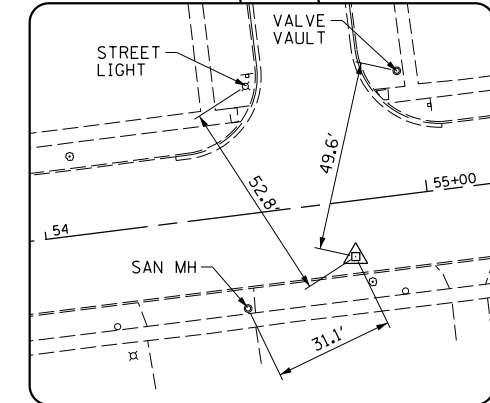
CP 107  
 N 1996278.407, E 1081985.761  
 STA 46 + 39.30, OFFSET 26.83' LT



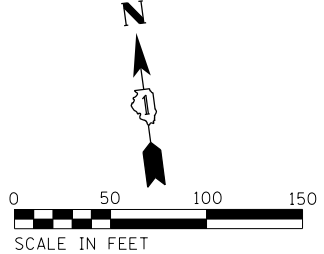
CP 106  
 N 1996176.730, E 1082167.008  
 STA 48 + 35.65, OFFSET 62.38' RT



CP 105  
 N 1996262.771, E 1082466.317  
 STA 51 + 34.39, OFFSET 25.63' LT



CP 104  
 N 1996220.373, E 1082811.088  
 STA 54 + 79.43, OFFSET 14.50' RT



FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
N:\BuffaloGrove\200385\C2\Civil\01\xxxxx-h-t-C2-ATB-03.dgn		DRAWN - JAJ	REVISED -
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	PLOT DATE = 7/10/2024		

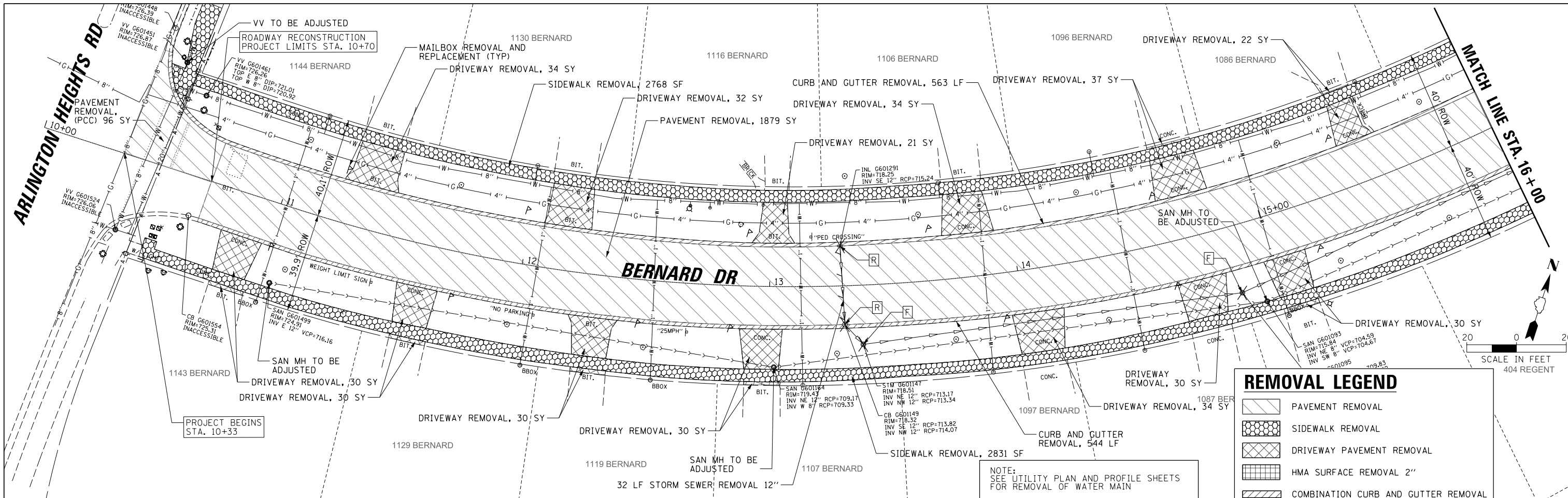
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

BERNARD DRIVE  
 ALIGNMENT, TIES AND BENCHMARKS

SCALE: SHEET 3 OF 3 SHEETS STA. 40+00.00 TO STA. 55+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	21
CONTRACT NO. 61K63			ILLINOIS FED. AID PROJECT	

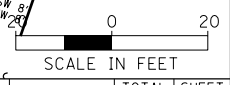
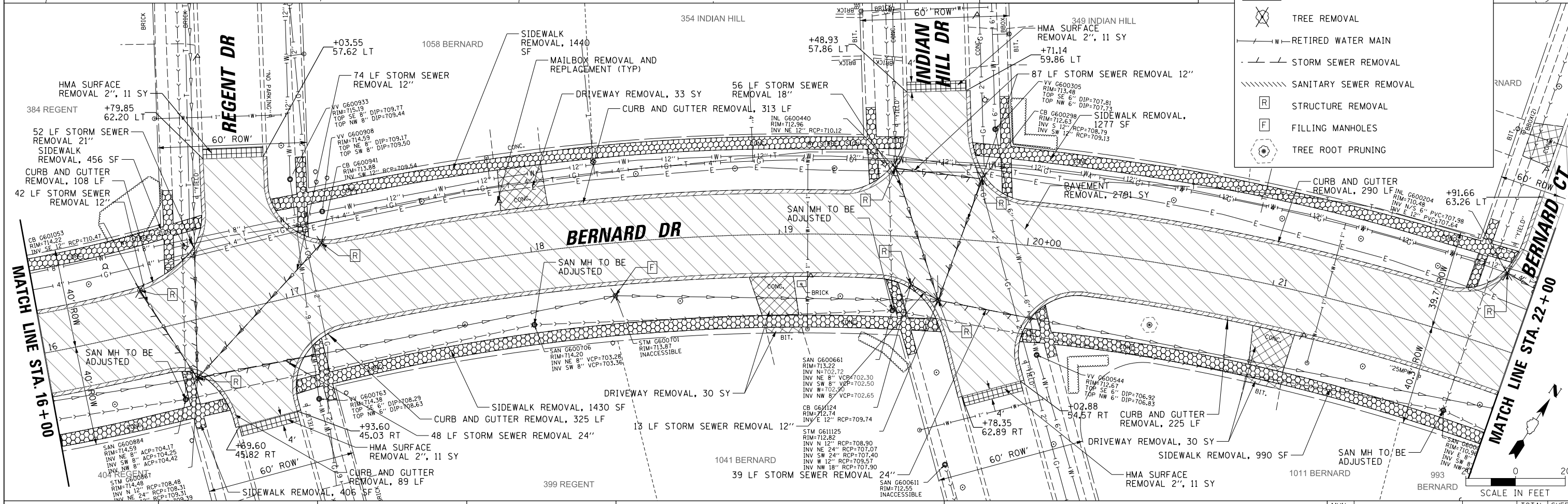
PLAN	SURVEYED	DATE
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NOTE BOOK NO.	
	FILE NAME	



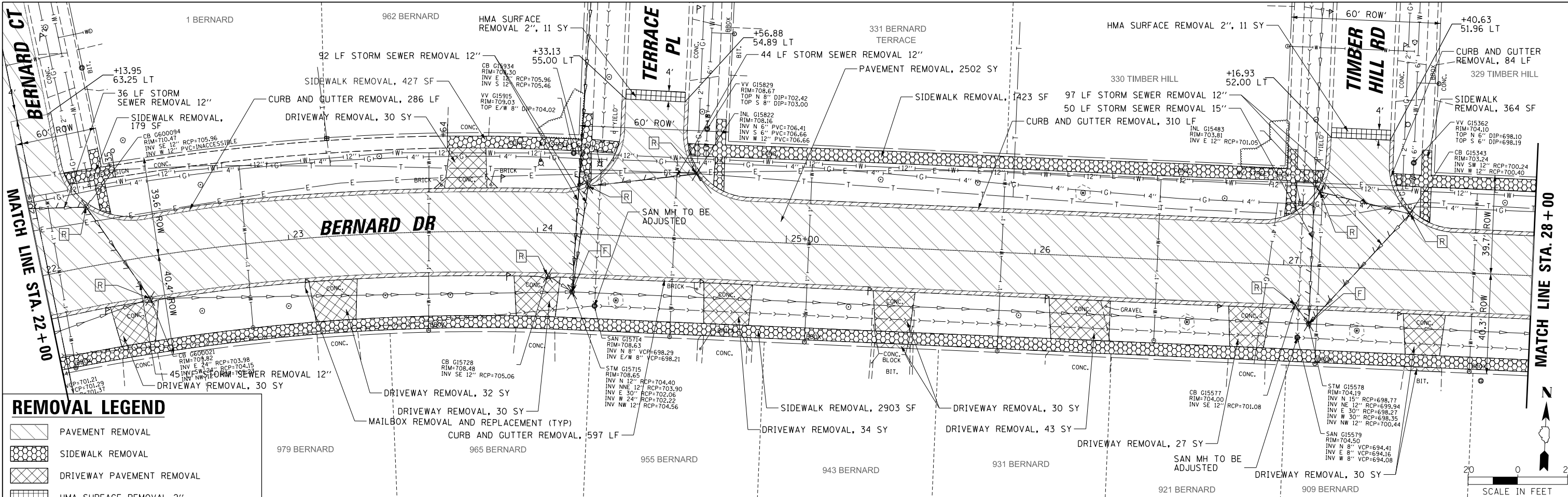
REMOVAL LEGEND	
[Symbol]	PAVEMENT REMOVAL
[Symbol]	SIDEWALK REMOVAL
[Symbol]	DRIVEWAY PAVEMENT REMOVAL
[Symbol]	HMA SURFACE REMOVAL 2"
[Symbol]	COMBINATION CURB AND GUTTER REMOVAL
[Symbol]	TREE REMOVAL
[Symbol]	RETIRED WATER MAIN
[Symbol]	STORM SEWER REMOVAL
[Symbol]	SANITARY SEWER REMOVAL
[Symbol]	STRUCTURE REMOVAL
[Symbol]	FILLING MANHOLES
[Symbol]	TREE ROOT PRUNING

NOTE: SEE UTILITY PLAN AND PROFILE SHEETS FOR REMOVAL OF WATER MAIN

PROFILE	SURVEYED	DATE
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NOTE BOOK NO.	
	FILE NAME	



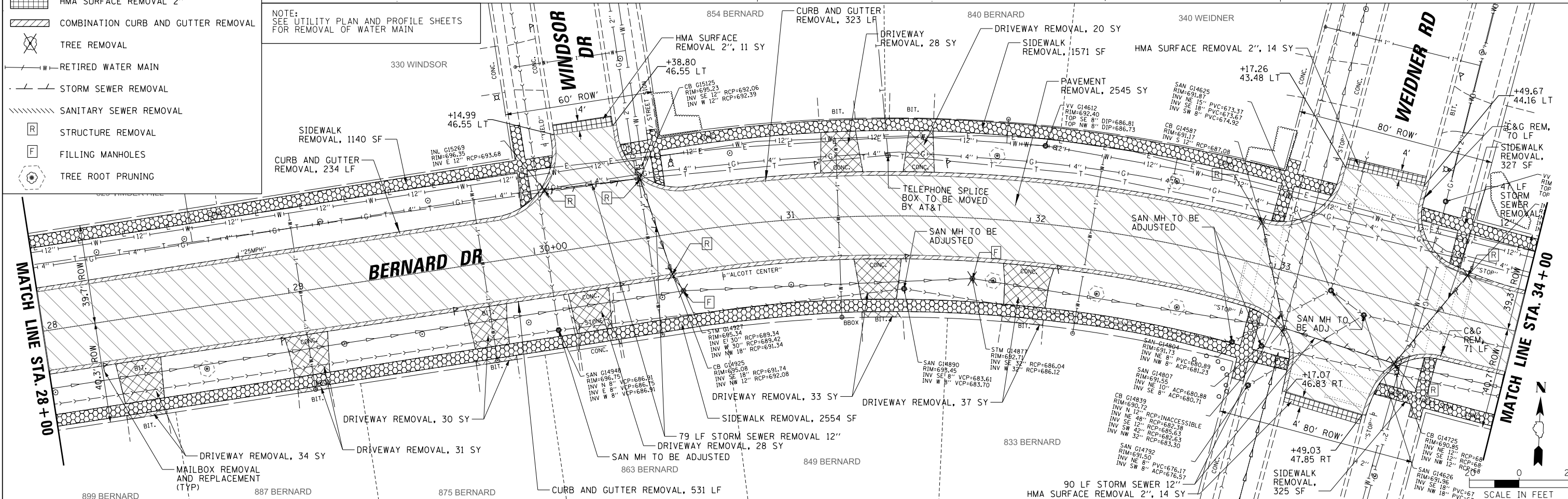
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PLOT SCALE = 28'	CHECKED - LMF	REVISIED -	REVISIED -					CONTRACT NO. 61K63				
PLOT DATE = 7/25/2024	DATE -	REVISIED -	REVISIED -					ILLINOIS FED. AID PROJECT				
Default								SCALE: SHEET 1 OF 6 SHEETS STA. 10+00.00 TO STA. 22+00.00				



### REMOVAL LEGEND

- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- HMA SURFACE REMOVAL 2"
- COMBINATION CURB AND GUTTER REMOVAL
- TREE REMOVAL
- RETIRED WATER MAIN
- STORM SEWER REMOVAL
- SANITARY SEWER REMOVAL
- STRUCTURE REMOVAL
- FILLING MANHOLES
- TREE ROOT PRUNING

NOTE: SEE UTILITY PLAN AND PROFILE SHEETS FOR REMOVAL OF WATER MAIN



PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
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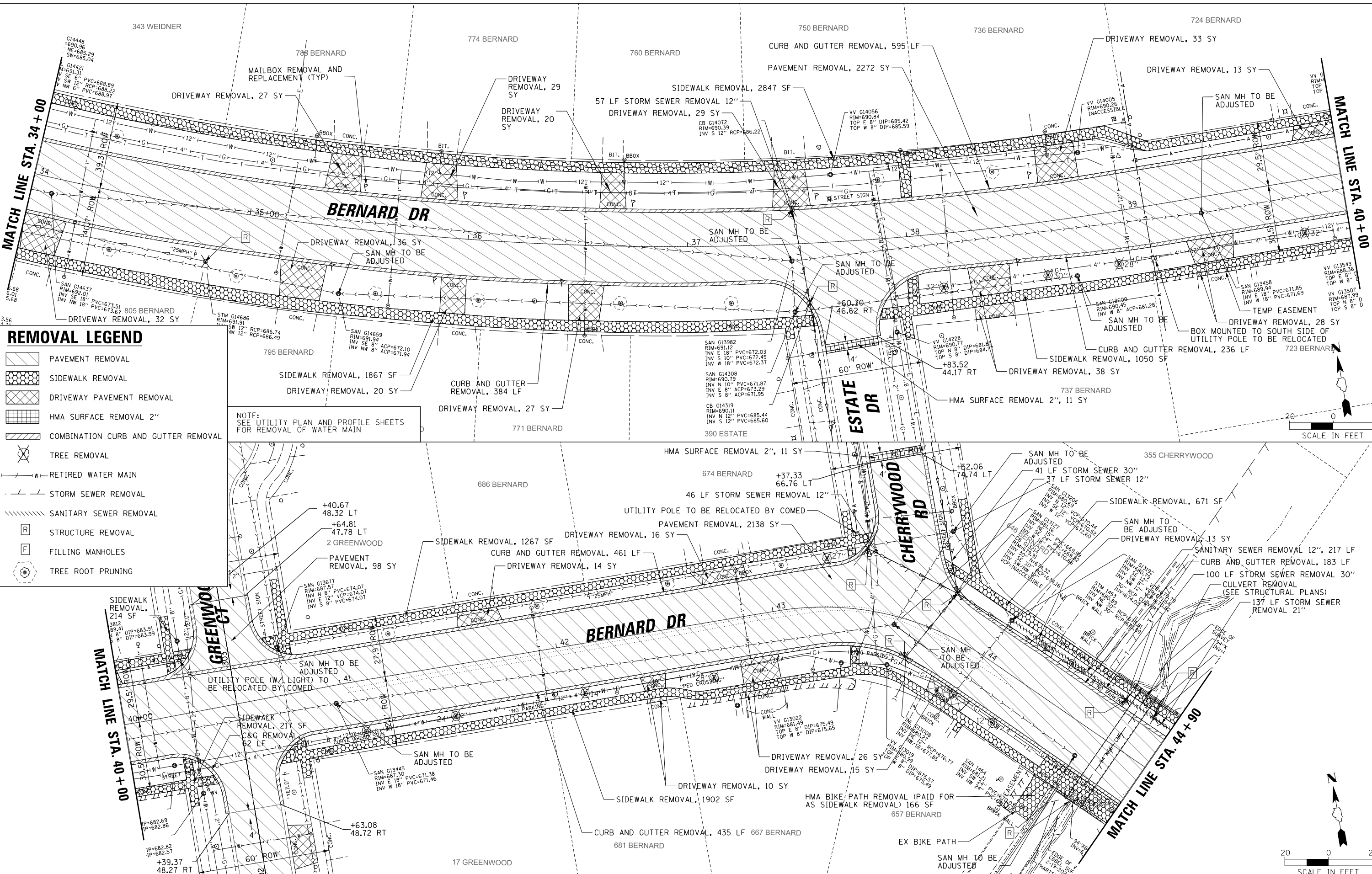
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BERNARD DRIVE</b>	
<b>EXISTING CONDITIONS AND REMOVAL PLAN</b>	
SCALE:	SHEET 2 OF 6 SHEETS STA. 22+00.00 TO STA. 34+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	23
CONTRACT NO. 61K63				
ILLINOIS FED. AID PROJECT				

BY		DATE
PLAN	SURVEYED	
	PLOTTED	
	CHECKED	
	NO. 1	

BY		DATE
PROFILE	SURVEYED	
	PLOTTED	
	CHECKED	
	NO. 1	



**REMOVAL LEGEND**

- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- HMA SURFACE REMOVAL 2"
- COMBINATION CURB AND GUTTER REMOVAL
- TREE REMOVAL
- RETIRED WATER MAIN
- STORM SEWER REMOVAL
- SANITARY SEWER REMOVAL
- STRUCTURE REMOVAL
- FILLING MANHOLES
- TREE ROOT PRUNING

NOTE:  
SEE UTILITY PLAN AND PROFILE SHEETS  
FOR REMOVAL OF WATER MAIN

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BERNARD DRIVE  
EXISTING CONDITIONS AND REMOVAL PLAN**

FILE NAME =	USER NAME =	DESIGNED =	REVISED =	MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 28'	CHECKED =	REVISED =	CONTRACT NO. 61K63				
	PLOT DATE = 7/25/2024	DATE =	REVISED =	ILLINOIS FED. AID PROJECT				

SCALE:	SHEET 3 OF 6 SHEETS	STA. 34+00.00 TO STA. 44+90.00
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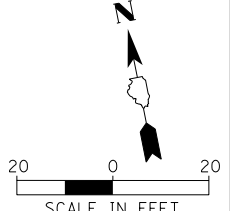
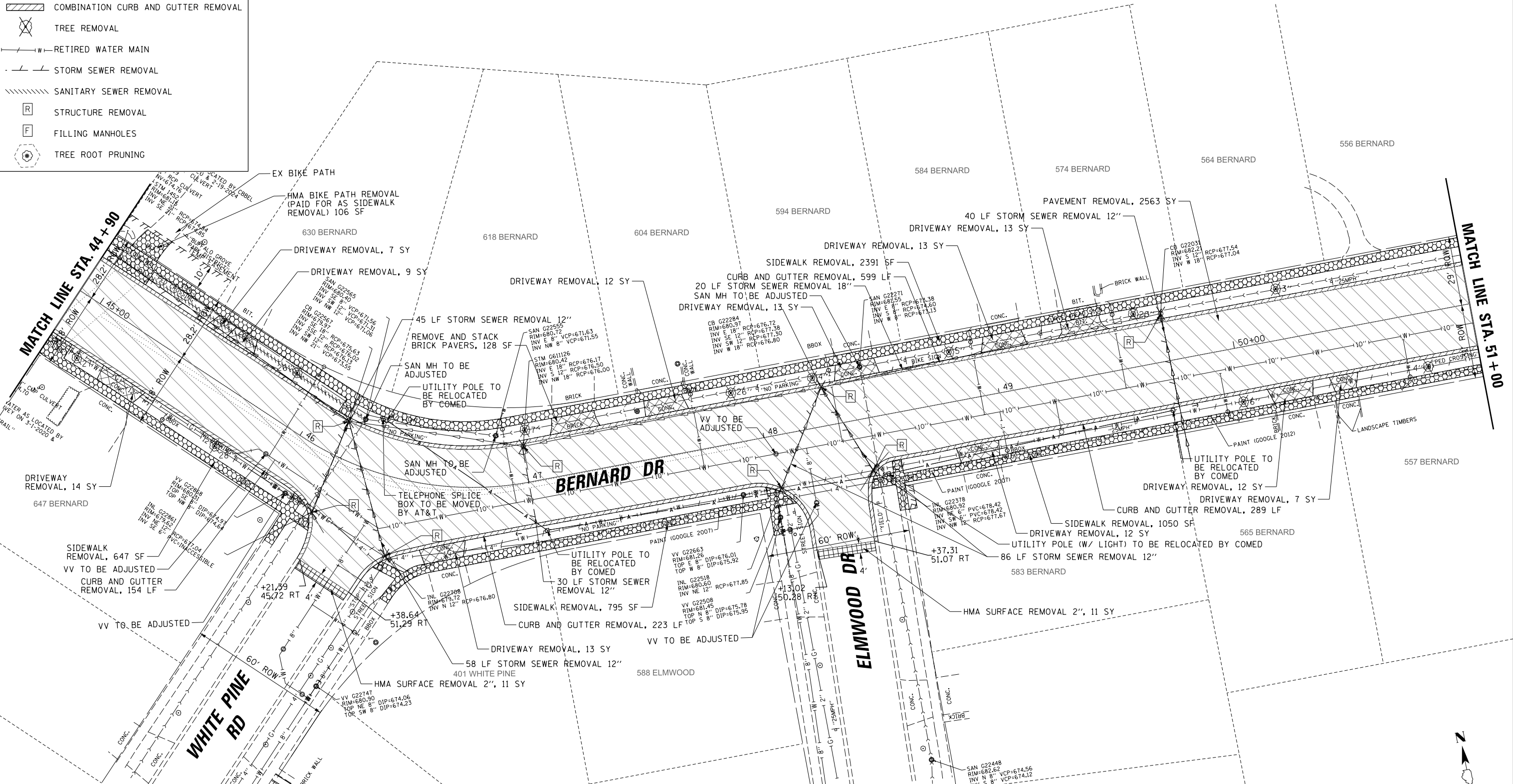
# REMOVAL LEGEND

- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- HMA SURFACE REMOVAL 2"
- COMBINATION CURB AND GUTTER REMOVAL
- TREE REMOVAL
- RETIRED WATER MAIN
- STORM SEWER REMOVAL
- SANITARY SEWER REMOVAL
- STRUCTURE REMOVAL
- FILLING MANHOLES
- TREE ROOT PRUNING

NOTE:  
SEE UTILITY PLAN AND PROFILE SHEETS  
FOR REMOVAL OF WATER MAIN

DATE	BY
PLAN	NO.
SURVEYED	CHECKED
PLOTTED	FILE NAME
NOTE BOOK	

DATE	BY
PROFILE	NO.
SURVEYED	CHECKED
PLOTTED	FILE NAME
NOTE BOOK	



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		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

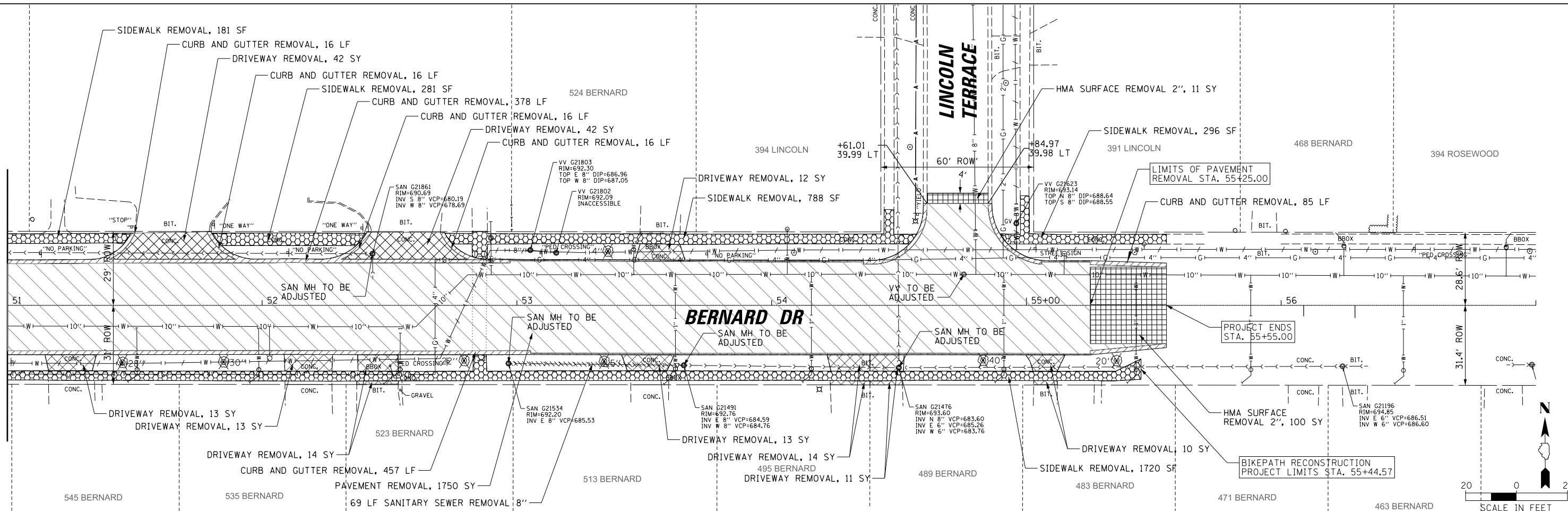
<b>BERNARD DRIVE EXISTING CONDITIONS AND REMOVAL PLAN</b>			
SCALE:	SHEET 4 OF 6 SHEETS	STA. 44+90.00 TO STA. 51+00.00	

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	25
CONTRACT NO. 61K63			ILLINOIS FED. AID PROJECT	

DATE	BY	SURVEYED	CHECKED
		PLANNED	ALIGNED
		NOTED	FILED
		NO.	NO.

DATE	BY	SURVEYED	CHECKED
		GRADES	STRUCTURE
		NOTED	NOTED
		NO.	NO.

MATCH LINE STA. 51 + 00



NOTE:  
SEE UTILITY PLAN AND PROFILE SHEETS  
FOR REMOVAL OF WATER MAIN

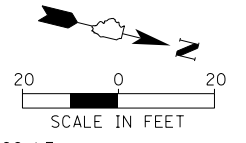
REMOVAL LEGEND	
	PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	DRIVEWAY PAVEMENT REMOVAL
	HMA SURFACE REMOVAL 2"
	COMBINATION CURB AND GUTTER REMOVAL
	TREE REMOVAL
	RETIRED WATER MAIN
	STORM SEWER REMOVAL
	SANITARY SEWER REMOVAL
	STRUCTURE REMOVAL
	FILLING MANHOLES
	TREE ROOT PRUNING

FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
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Default	PLOT SCALE = 28'	CHECKED - LMF	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BERNARD DRIVE EXISTING CONDITIONS AND REMOVAL PLAN</b>			
SCALE:	SHEET 5 OF 6 SHEETS	STA. 51+00.00 TO STA. 63+00.00	

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	26
			CONTRACT NO. 61K63	
ILLINOIS FED. AID PROJECT				

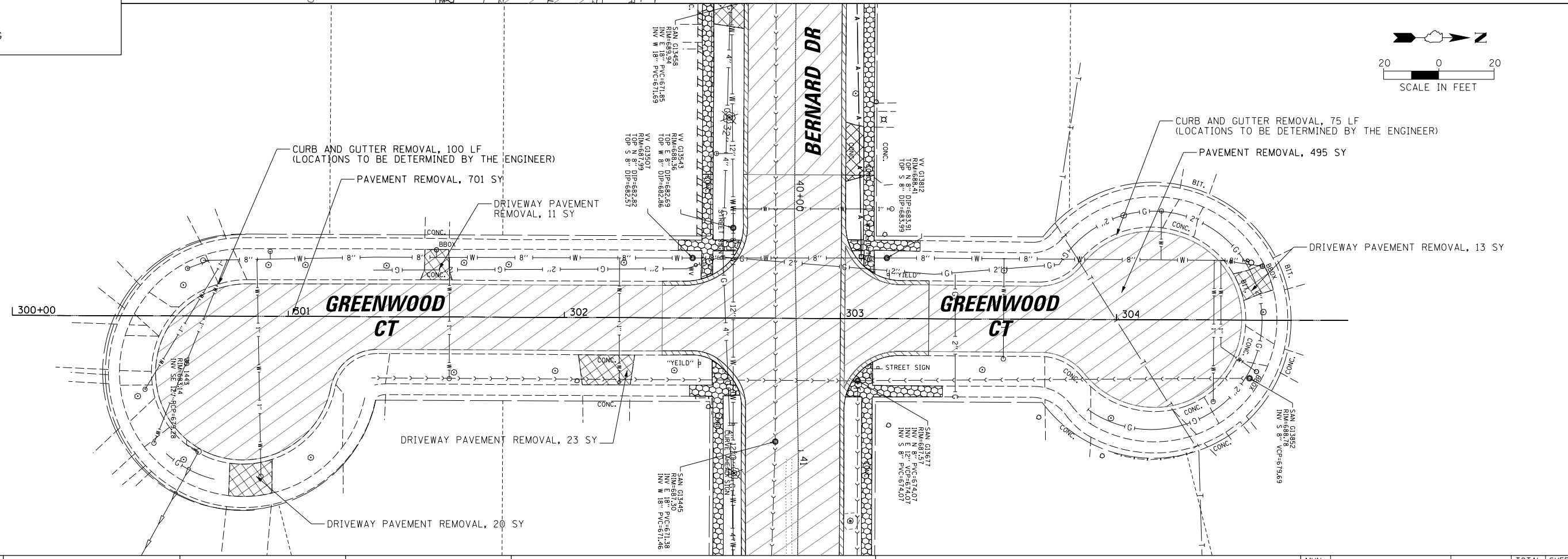
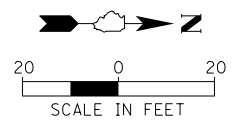
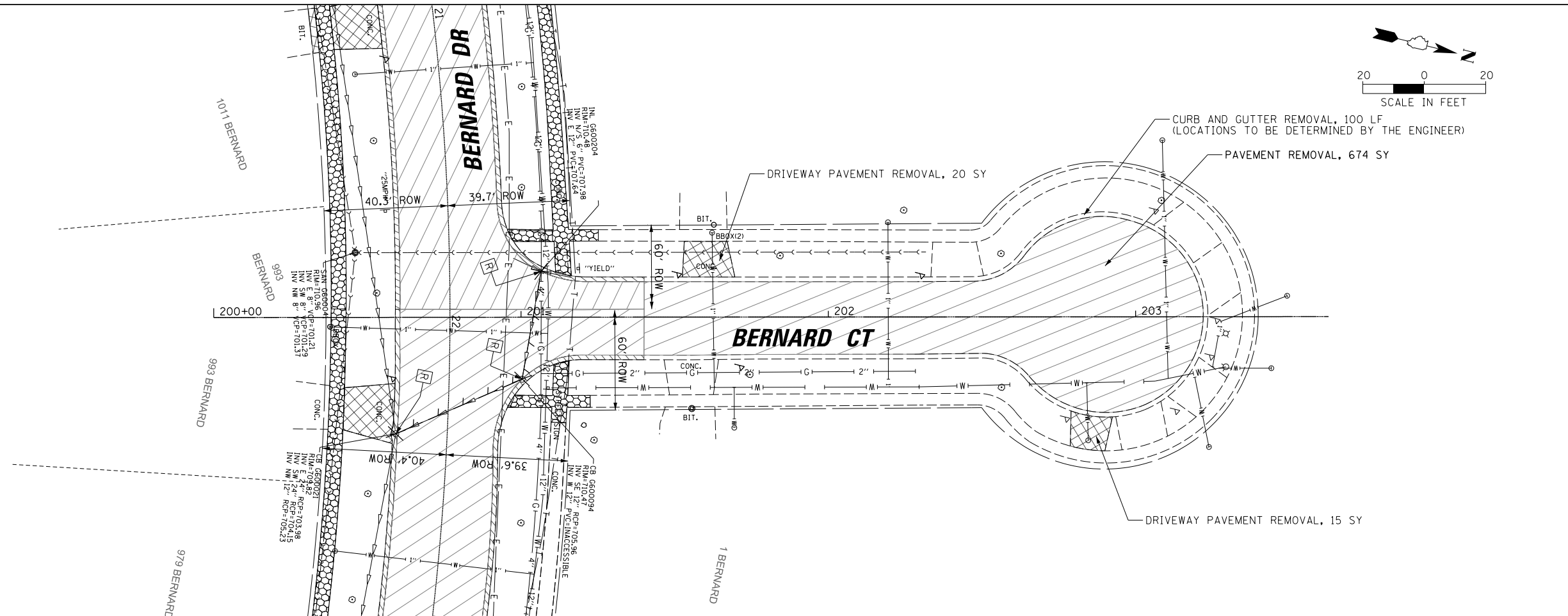


PLAN	SURVEYED	DATE
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	BY	
	NO.	

### REMOVAL LEGEND

- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- HMA SURFACE REMOVAL 2"
- COMBINATION CURB AND GUTTER REMOVAL
- TREE REMOVAL
- RETIRED WATER MAIN
- STORM SEWER REMOVAL
- SANITARY SEWER REMOVAL
- STRUCTURE REMOVAL
- FILLING MANHOLES
- TREE ROOT PRUNING

PROFILE	SURVEYED	DATE
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		CHECKED - LMF	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BERNARD DRIVE  
EXISTING CONDITIONS AND REMOVAL PLAN**

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

MUN. RTE. 1581	SECTION 20-00108-02-R5	COUNTY COOK	TOTAL SHEETS 164	SHEET NO. 27
CONTRACT NO. 61K63			ILLINOIS FED. AID PROJECT	

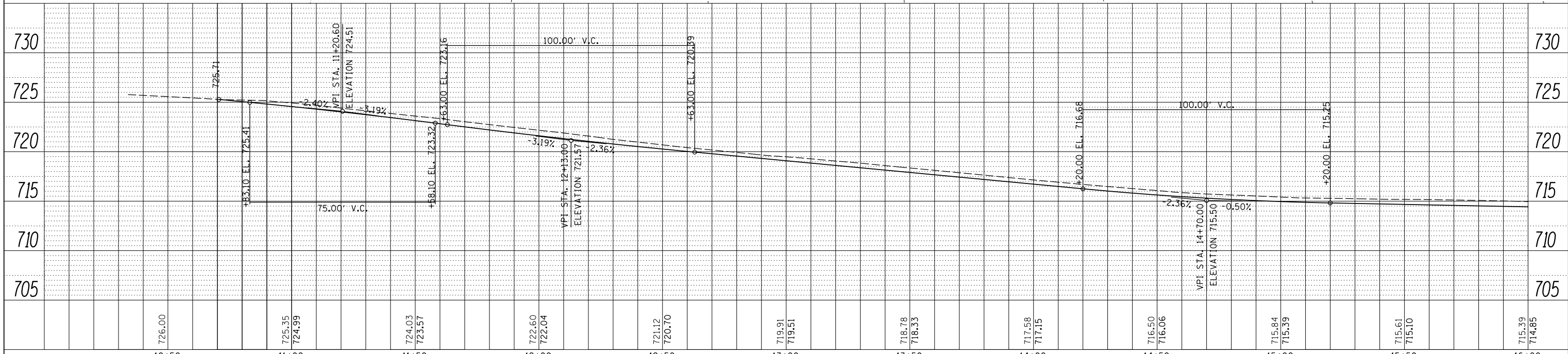
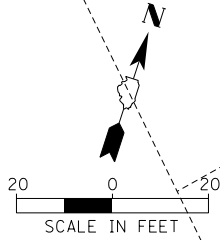
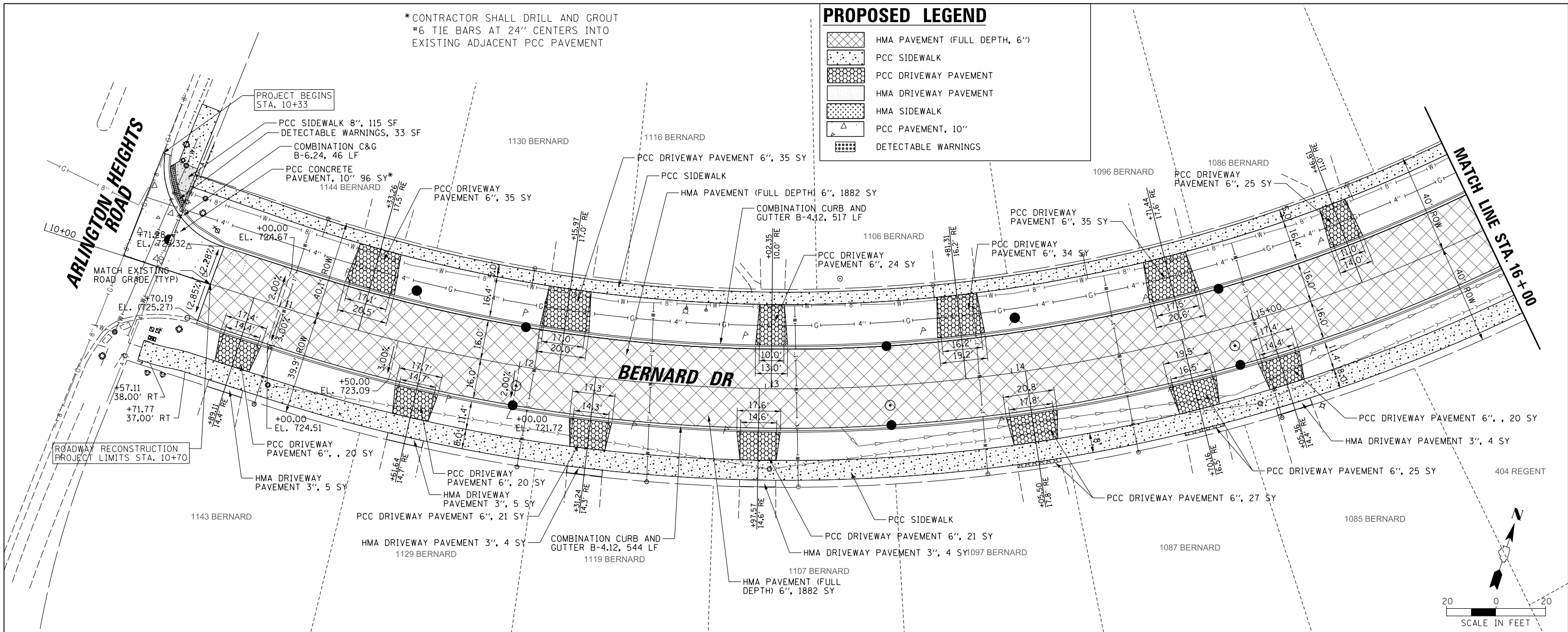
\* CONTRACTOR SHALL DRILL AND GROUT #6 TIE BARS AT 24" CENTERS INTO EXISTING ADJACENT PCC PAVEMENT

**PROPOSED LEGEND**

- HMA PAVEMENT (FULL DEPTH, 6'')
- PCC SIDEWALK
- PCC DRIVEWAY PAVEMENT
- HMA DRIVEWAY PAVEMENT
- HMA SIDEWALK
- PCC PAVEMENT, 10''
- DETECTABLE WARNINGS

PLAN	SURVEYED	DATE
	PLOTTED	
	NOTED	
	CHECKED	
	APPROVED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTED	
	CHECKED	
	APPROVED	
	FILE NAME	
	NO.	



FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -	MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\BuffaloGrove\200385_C2\Civil\1\1xxxxx-sh-C2_RPP_01.dgn		DRAWN - JAJ	REVISED -	1581	20-00108-02-R5	COOK	164	28
Default	PLOT SCALE = 28'	CHECKED - LMF	REVISED -	CONTRACT NO. 61K63				
	PLOT DATE = 7/25/2024	DATE -	REVISED -	ILLINOIS FED. AID PROJECT				

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BERNARD DRIVE  
ROADWAY PLAN AND PROFILE**

SCALE: 1:20 SHEET 1 OF 9 SHEETS STA. 10+00 TO STA. 16+00



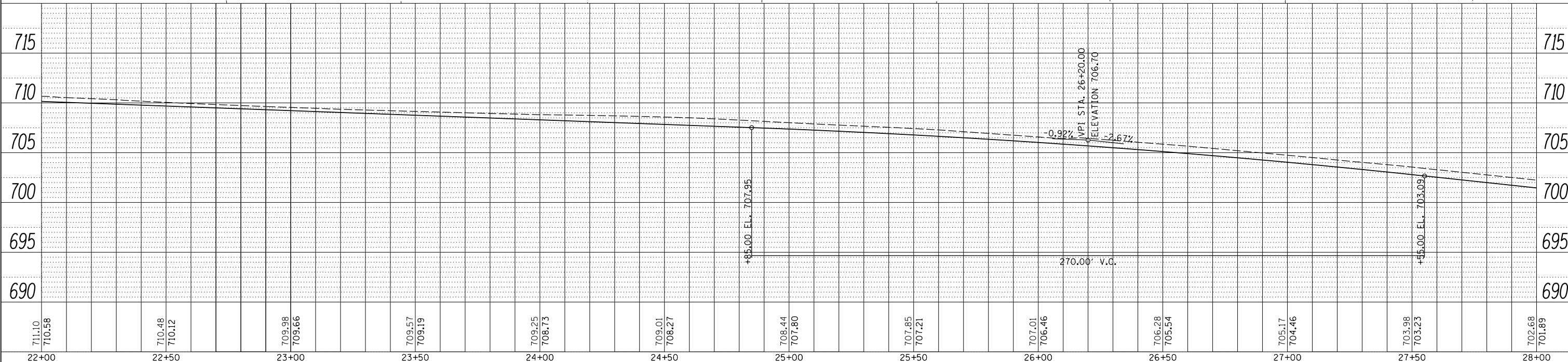
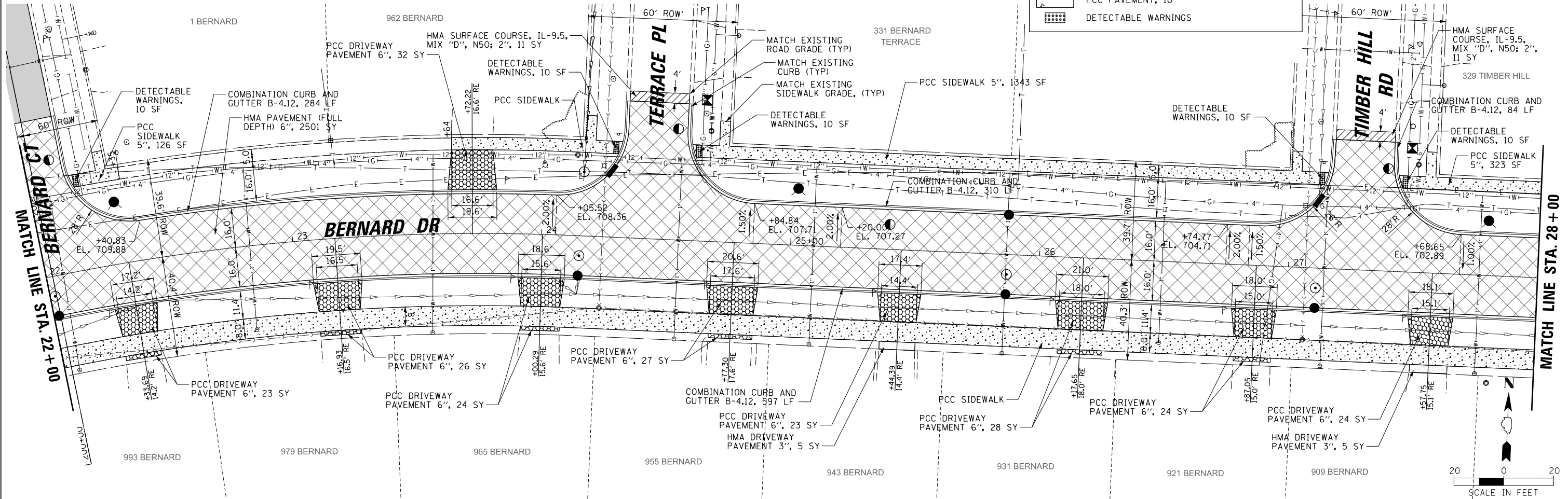
SEE SHEET 36 FOR BERNARD CT IMPROVEMENTS

**PROPOSED LEGEND**

- HMA PAVEMENT (FULL DEPTH, 6")
- PCC SIDEWALK
- PCC DRIVEWAY PAVEMENT
- HMA DRIVEWAY PAVEMENT
- HMA SIDEWALK
- PCC PAVEMENT, 10"
- DETECTABLE WARNINGS

PLAN	DATE
BY	
DATE	
NO.	
NO.	

PROFILE	DATE
BY	
DATE	
NO.	
NO.	



711.10 710.58	710.48 710.12	709.98 709.66	709.57 709.19	709.25 708.73	709.01 708.27	708.44 707.80	707.85 707.21	707.01 706.46	706.28 705.54	705.17 704.46	703.98 703.23	702.68 701.89	715	710	705	700	695	690
22+00	22+50	23+00	23+50	24+00	24+50	25+00	25+50	26+00	26+50	27+00	27+50	28+00						

FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
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Default	PLOT SCALE = 28'	CHECKED - LMF	REVISED -
	PLOT DATE = 7/10/2024	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**BERNARD DRIVE**  
**ROADWAY PLAN AND PROFILE**

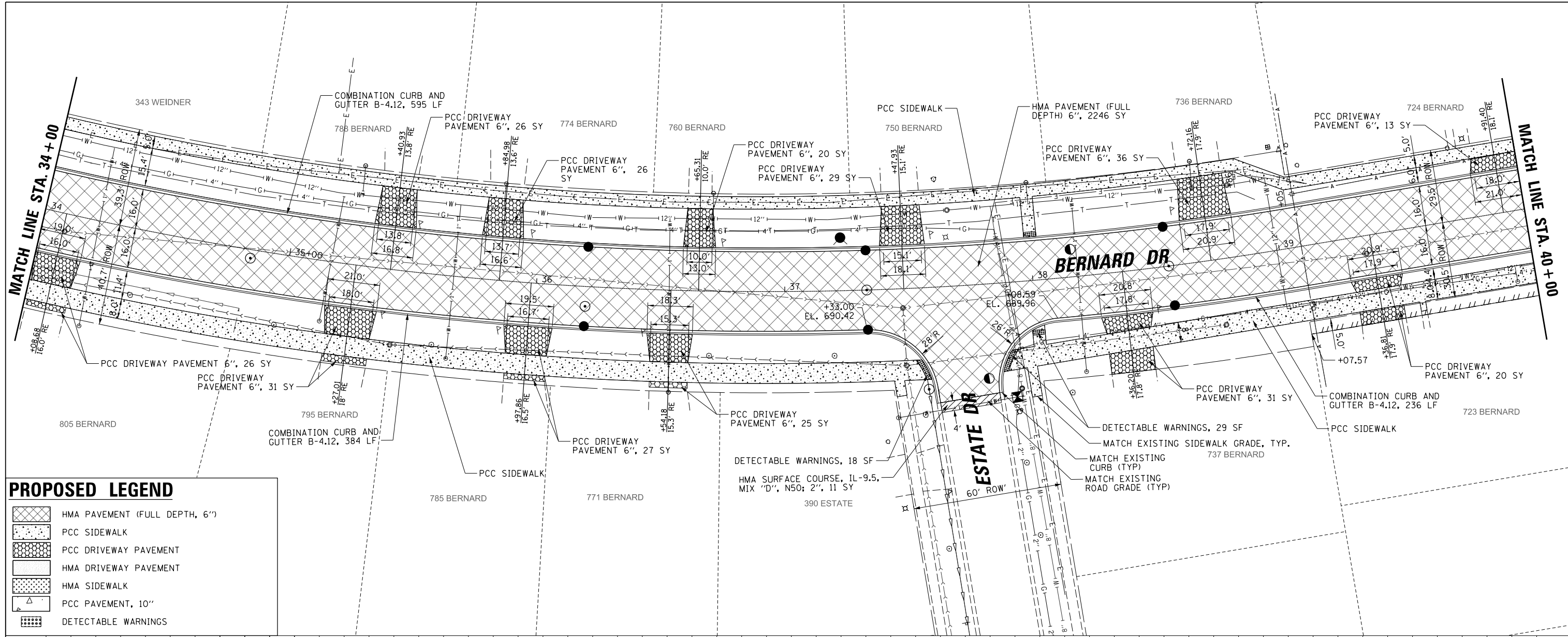
SCALE: 1:20    SHEET 3 OF 9 SHEETS    STA. 22+00 TO STA. 28+00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	30
CONTRACT NO. 61K63			ILLINOIS FED. AID PROJECT	



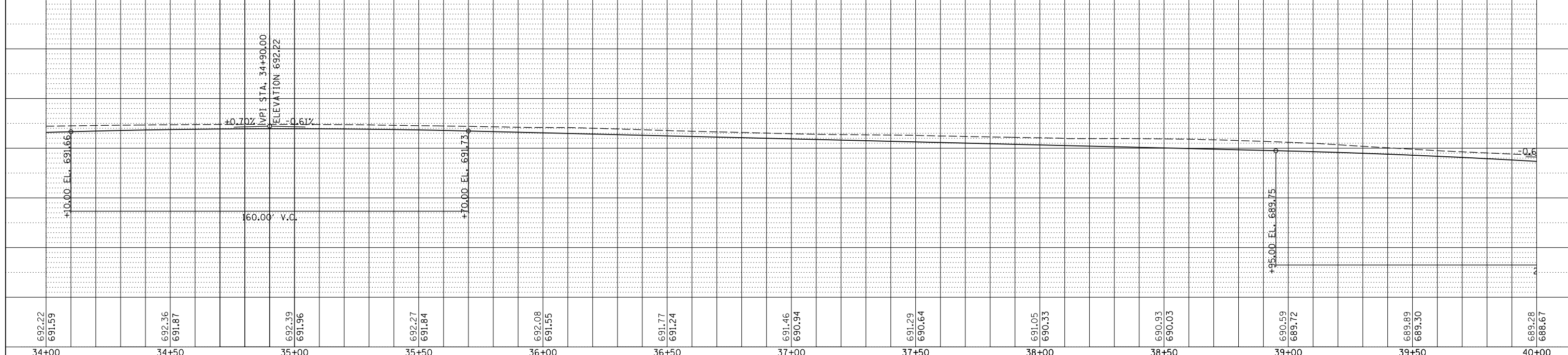
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	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	



**PROPOSED LEGEND**

- HMA PAVEMENT (FULL DEPTH, 6")
- PCC SIDEWALK
- PCC DRIVEWAY PAVEMENT
- HMA DRIVEWAY PAVEMENT
- HMA SIDEWALK
- PCC PAVEMENT, 10"
- DETECTABLE WARNINGS



FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
N:\BuffaloGrove\200385_C2\Civil\1\01xxxxx-sh-C2_RPP_05.dgn		DRAWN - JAJ	REVISED -
Default		CHECKED - LMF	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BERNARD DRIVE  
ROADWAY PLAN AND PROFILE**








SCALE: 1:20 SHEET 5 OF 9 SHEETS STA. 34+00 TO STA. 40+00

MUN. RT.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	32
CONTRACT NO. 61K63			ILLINOIS FED. AID PROJECT	



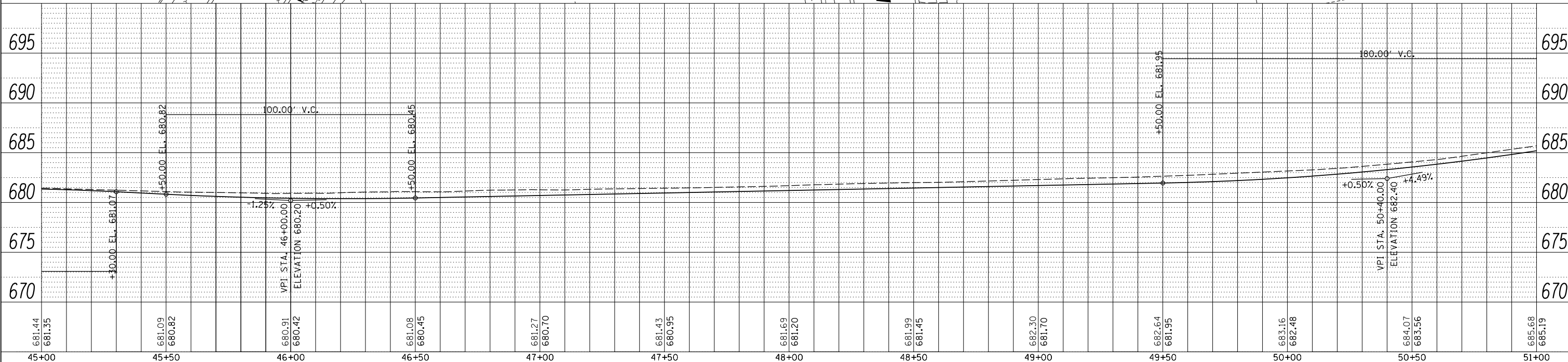
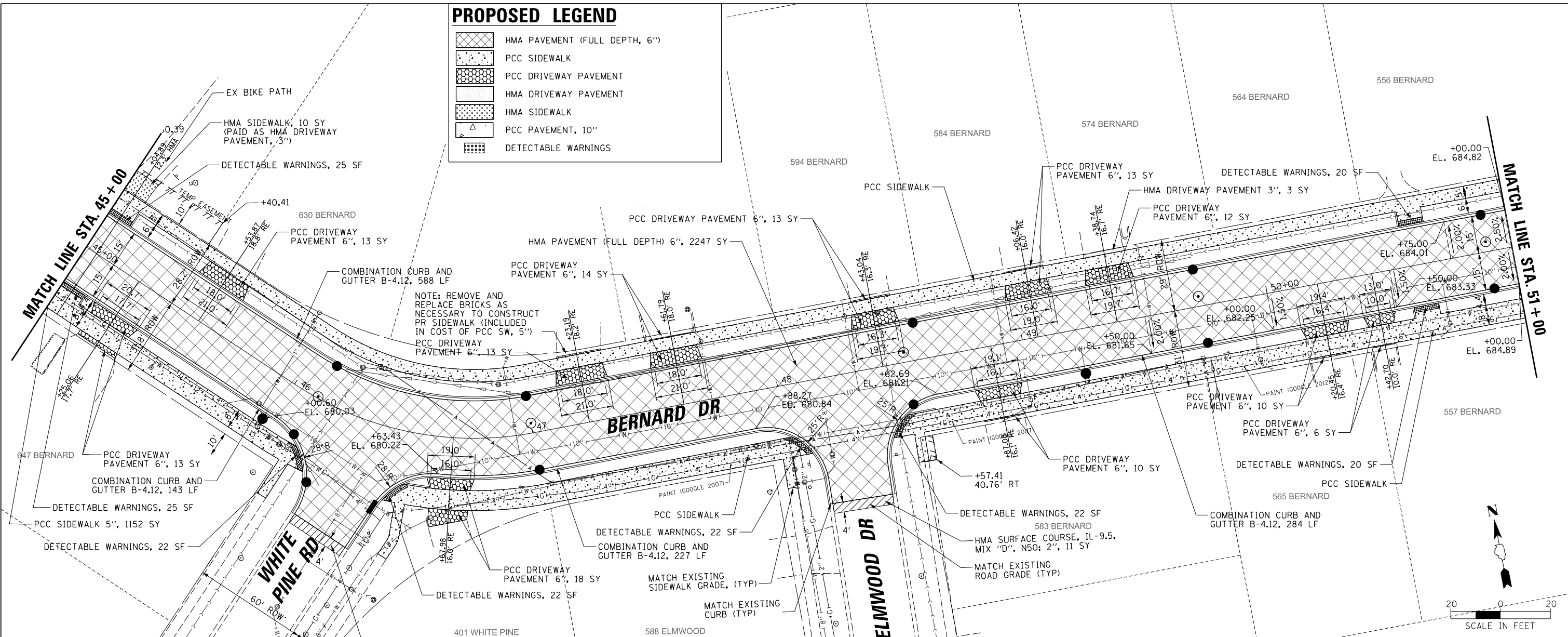


**PROPOSED LEGEND**

-  HMA PAVEMENT (FULL DEPTH, 6")
-  PCC SIDEWALK
-  PCC DRIVEWAY PAVEMENT
-  HMA DRIVEWAY PAVEMENT
-  HMA SIDEWALK
-  PCC PAVEMENT, 10"
-  DETECTABLE WARNINGS

DATE	
BY	
PLAN	
NO.	
NO.	
NO.	
NO.	
NO.	

DATE	
BY	
PROFILE	
NO.	
NO.	
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NO.	
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FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
Default	DATE = 7/10/2024	DRAWN - JAJ	REVISED -
		CHECKED - LMF	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

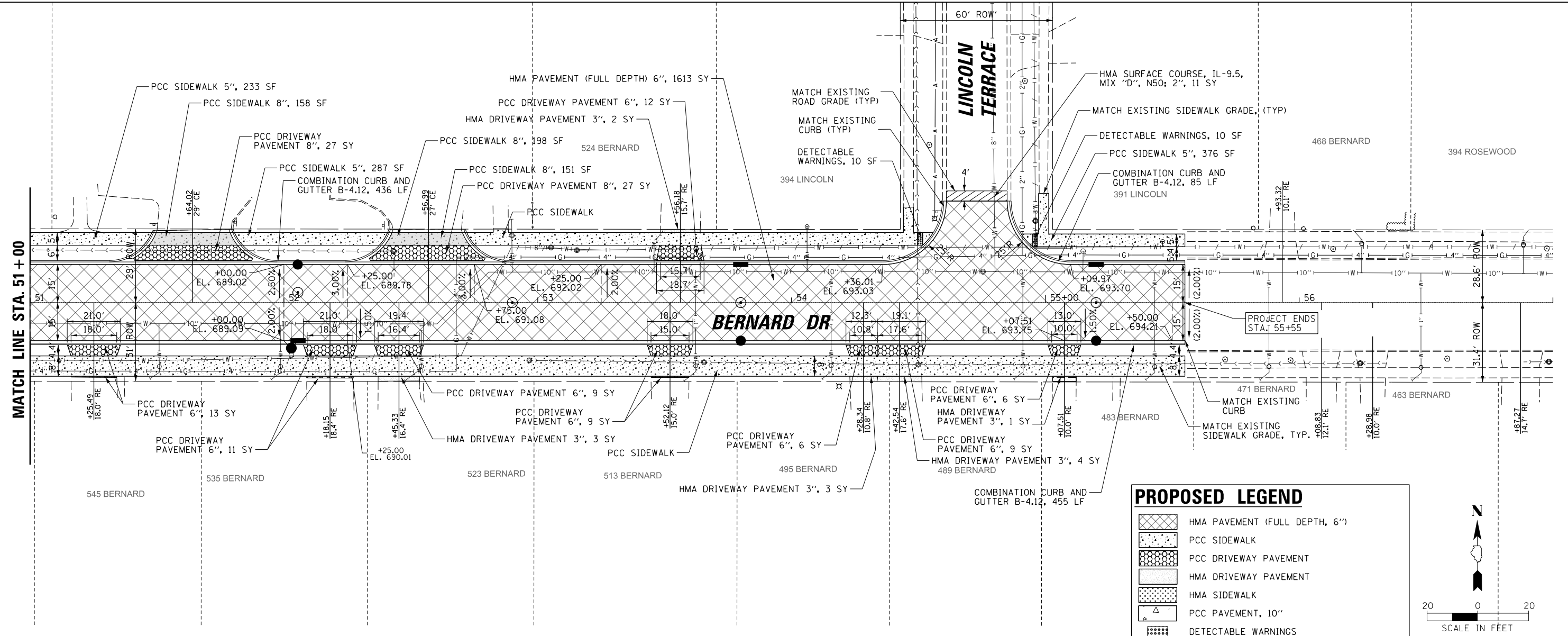
**BERNARD DRIVE  
ROADWAY PLAN AND PROFILE**

SCALE: 1:20 SHEET 7 OF 9 SHEETS STA. 45+00 TO STA. 51+00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	34
CONTRACT NO. 61K63			ILLINOIS FED. AID PROJECT	

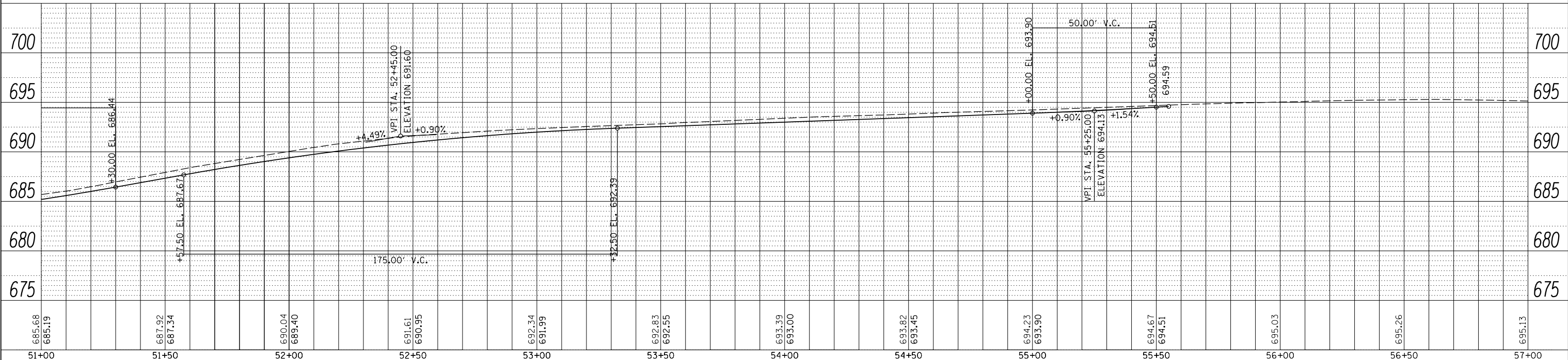
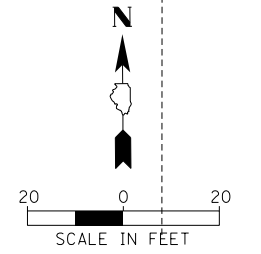
PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	ASPHALT PAVED	
	NO. _____	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NO. _____	
	FILE NAME	



### PROPOSED LEGEND

- HMA PAVEMENT (FULL DEPTH, 6")
- PCC SIDEWALK
- PCC DRIVEWAY PAVEMENT
- HMA DRIVEWAY PAVEMENT
- HMA SIDEWALK
- PCC PAVEMENT, 10"
- DETECTABLE WARNINGS



FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>BERNARD DRIVE</b> <b>ROADWAY PLAN AND PROFILE</b>	MUN. RT. = 1581	SECTION = 20-00108-02-R5	COUNTY = COOK	TOTAL SHEETS = 164	SHEET NO. = 35		
Default	PLOT SCALE = 28'	CHECKED - LMF	REVISED -			SCALE: 1:20	SHEET 8 OF 9 SHEETS	CONTRACT NO. 61K63	ILLINOIS FED. AID PROJECT			
	PLOT DATE = 7/10/2024	DATE -	REVISED -			STA. 51+00.00 TO STA. 57+00.00						

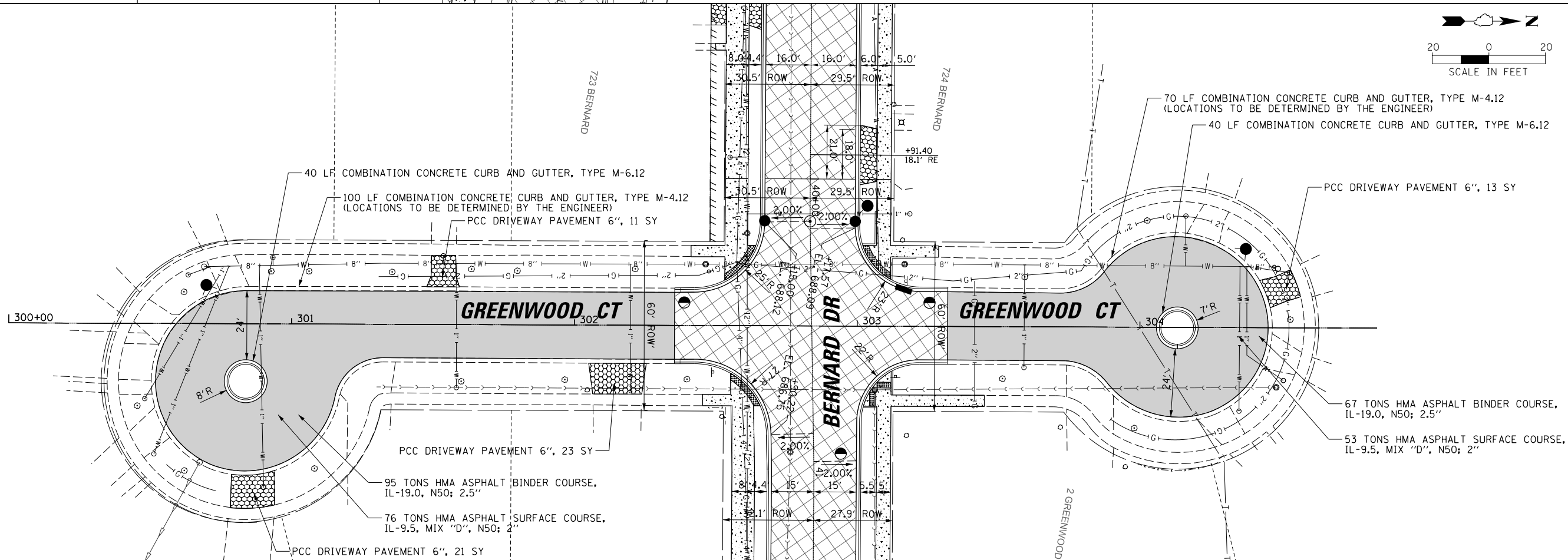
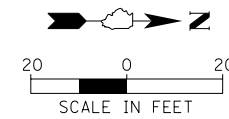
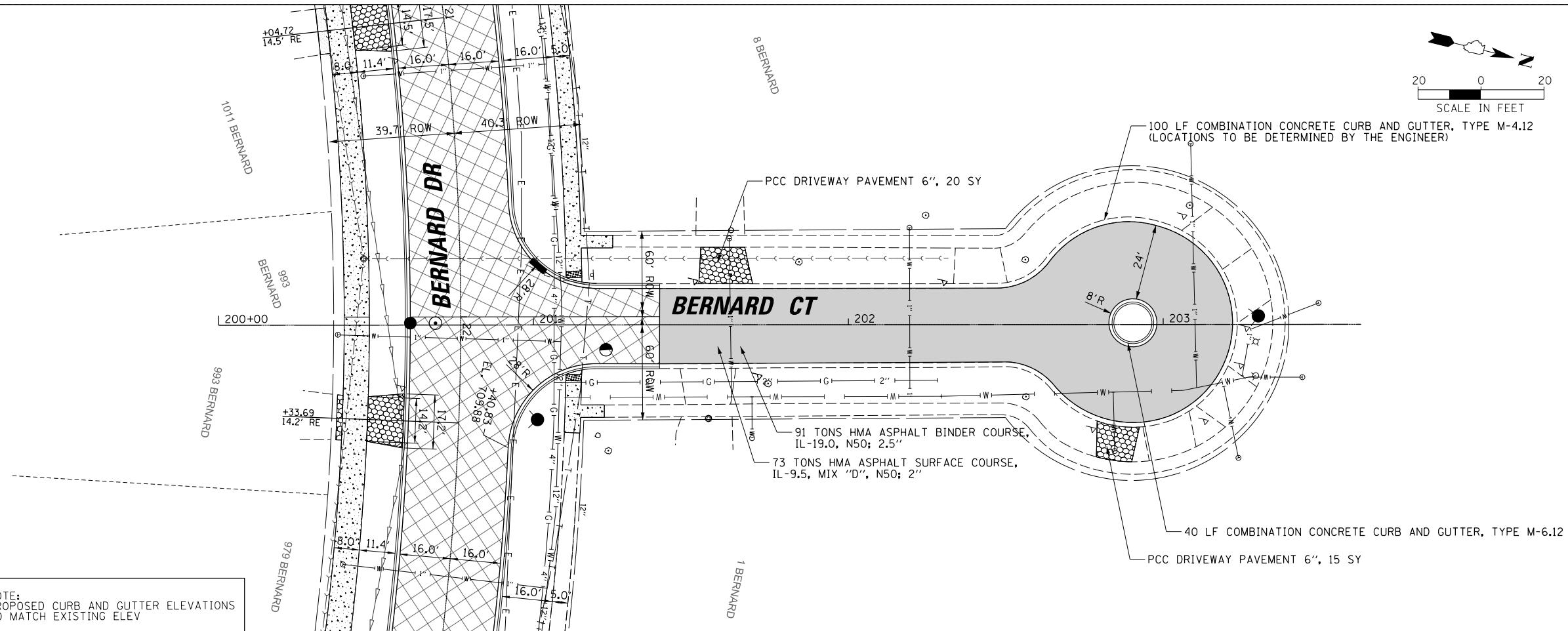
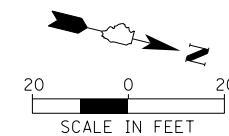
PLAN	SURVEYED	DATE
	PLOTTED	
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	BY	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

**PROPOSED LEGEND**

- HMA PAVEMENT (FULL DEPTH, 6")
- PCC SIDEWALK
- PCC DRIVEWAY PAVEMENT
- HMA DRIVEWAY PAVEMENT
- HMA SIDEWALK
- PCC PAVEMENT, 10"
- DETECTABLE WARNINGS

NOTE:  
PROPOSED CURB AND GUTTER ELEVATIONS  
TO MATCH EXISTING ELEV



FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
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Default		CHECKED - LMF	REVISED -
	PLOT DATE = 7/10/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BERNARD DRIVE  
ROADWAY PLAN AND PROFILE**

SCALE: SHEET 9 OF 9 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	36
CONTRACT NO. 61K63			ILLINOIS FED. AID PROJECT	

- ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", "THE QUALITY STANDARD FOR WORK ZONE TRAFFIC CONTROL DEVICES ADOPTED 2010", THE DETAILS IN THESE PLANS, THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND PROTECTION.
- THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT. THE ENGINEER SHALL DETERMINE THE HOUR OF CLOSURE. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES. VILLAGE WILL PROVIDE CONTRACTOR WITH AGENCY NAMES AND CONTACT INFORMATION ONCE THE NOTICE IS SUBMITTED TO THE VILLAGE FOR REVIEW.
- THE ENGINEER WILL FIELD LOCATE THE POSITIONS OF ANY SIGNS IF REQUESTED.
- LONGITUDINAL DIMENSIONS SHOWN ON THESE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS, WITH THE APPROVAL OF THE ENGINEER.
- THE DETOUR SHALL NOT GO INTO EFFECT UNTIL ALL SIGNING IS ERECTED IN ACCORDANCE WITH THE DETOUR PLAN AND INSPECTED AND APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL BARRICADES, SIGNS, LIGHTS, AND OTHER DEVICES INSTALLED ARE IN PLACE AND OPERATING 24 HOURS EACH DAY INCLUDING SUNDAYS AND HOLIDAYS DURING THE TIME THE DETOUR IS IN EFFECT.
- THE TRAFFIC CONTROL SHOWN ON THE DETOUR PLAN IS THE MINIMUM NECESSARY FOR THIS ROAD CLOSURE. THE CONTRACTOR SHALL MAKE ALL CHANGES IN TRAFFIC CONTROL THAT IS DEEMED NECESSARY BY THE ENGINEER. ADDITIONS AND DELETIONS OF TRAFFIC CONTROL FOR THIS DETOUR SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".
- ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE DETOUR IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR, IN A MANNER APPROVED BY THE ENGINEER.
- ALL DETOUR SIGNING SHALL BE POST MOUNTED.
- ALL DETOUR SIGNING, EXCEPT REGULATORY SIGNS, SHALL HAVE BLACK LEGENDS ON FLUORESCENT ORANGE SHEETING AND STANDARD BLACK BORDERS. THE FLUORESCENT ORANGE REFLECTIVE SHEETING SHALL MEET THE REQUIREMENTS OF ARTICLE 1084.02 OF THE STANDARD SPECIFICATIONS. ALL DETOUR SIGNING SHALL BE NEW OR LIKE NEW CONDITION OF THE SIGNS. THE ENGINEER SHALL BE THE SOLE JUDGE OF THE CONDITION OF THE SIGNS.
- THE SIZES OF ALL SIGNS NOT SPECIFIED IN THESE PLANS SHALL BE AS REQUIRED BY THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- AS A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED FOR THIS DETOUR SHALL MEET THE REQUIREMENTS FOR TYPE A- LOW INTENSITY FLASHING LIGHTS IN ARTICLE 1084.01 OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING THE HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE USED.
- ALL BARRICADES SHALL HAVE REFLECTORIZED STRIPING ON BOTH SIDES OF THE BARRICADES. THE TYPE III BARRICADES USED AT THE POINT OF CLOSURE TO THRU TRAFFIC SHALL NOT EXCEED 8 FEET IN WIDTH EACH, FOR A SINGLE APPROACH LANE.
- THE "BRIDGE OUT" (R11-2b) SIGNS SHALL BE MOUNTED ABOVE THE TOP OF THE BARRICADE. ALL TYPE III BARRICADES SHALL HAVE TWO (2) AMBER TYPE A-LOW INTENSITY FLASHING LIGHTS SPACED NEAR THE CENTERLINE OF THE SUPPORTS.
- THE ROAD NAME SIGN SHALL HAVE A BLACK LEGEND ON FLUORESCENT ORANGE REFLECTIVE SHEETING. THE SIGN BLANK SHALL BE A 9" X VARIABLE OR A 12" X VARIABLE WITH DESIGN SERIES C LETTERS. THE CAPITAL LETTERS SHALL BE 6" WITH 4 1/2" LOWER CASE.
- DURING NON-WORKING HOURS AT THE POINT OF ROAD CLOSURE TO ALL TRAFFIC THE CONTRACTOR SHALL PROVIDE A MEANS TO RESTRAIN THE BARRICADES FROM EASY MOVEMENT BY VANDALS. THE CHOSEN METHOD SHALL BE APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE VISIBILITY OF ALL DETOUR AND CONSTRUCTION SIGNING, INCLUDING BRUSHING BACK VEGETATION IF DEEMED NECESSARY BY THE ENGINEER.
- THE ENGINEER SHALL BE NOTIFIED AT LEAST TWO (2) HOURS BEFORE THE ROAD IS TO BE OPENED TO TRAFFIC. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES. VILLAGE WILL PROVIDE CONTRACTOR WITH AGENCY NAMES AND CONTACT INFORMATION ONCE THE NOTICE IS SUBMITTED TO THE VILLAGE FOR REVIEW.

DATE	
BY	
PLAN	
NOTE BOOK NO.	
SURVEYED	
PLOTTED	
CHECKED	
ALIGNED	
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DATE	
BY	
PROFILE	
NOTE BOOK NO.	
SURVEYED	
GRADES CHECKED	
STRUCTURE	
NOTARIS OFFICER	



① ROAD CLOSED AHEAD W20-3(0) 48x48	② DETOUR AHEAD W20-2(0) 48x48	③ ROAD CLOSED 500 FT W20-3(0) 48x48	④ DO NOT ENTER R5-1	⑤ Bernard Dr CLOSED AT White Pine Ditch SPECIAL VARIABLE x 36 6" CAPITAL WITH 4 1/2" LOWERCASE BLACK LETTERS ON ORANGE REFLECTIVE BACKGROUND	⑦ Bernard Dr SPECIAL VARIABLE x 12 6" CAPITAL WITH 4 1/2" LOWERCASE BLACK LETTERS ON WHITE REFLECTIVE BACKGROUND	⑧ ROAD CLOSED R11-2 48x30	⑨ END DETOUR M4-8A 24x18		
⑩ DETOUR ← M4-9L 30x24	⑪ DETOUR → M4-9R 30x24	⑫ DETOUR ↑ M4-9 30x24	⑬ NORTH M3-1(0) 24x12	⑭ EAST M3-2(0) 24x12	⑰ R3-1 24x24	⑱ R3-2 24x24	⑲ DETOUR → M4-10R 48x18	⑩A DETOUR ↙ 30x30	⑪A DETOUR ↘ 30x30
⑮ SOUTH M3-3(0) 24x12	⑯ WEST M3-4(0) 24x12	⑳ DETOUR ← M4-10L 48x18	㉑ BRIDGE OUT R11-2b 48x30	㉒ SIDEWALK CLOSED R11-10I 24x30	㉓ CHANGEABLE MESSAGE SIGN WITH "BRIDGE OUT" MESSAGE	<p>DETAIL FOR TYPICAL DETOUR SIGN ASSEMBLY</p>			

ALL WORK REQUIRED TO ERECT, MAINTAIN AND REMOVE THE DETOUR TO BE PAID AS TRAFFIC CONTROL AND PROTECTION, (SPECIAL)

**LEGEND**

- DETOUR ROUTE AND SIGNAGE ASSOCIATED WITH BERNARD DRIVE CLOSURE AT WHITE PINE DITCH
- CONSTRUCTION ZONE
- TRAFFIC FOLLOWING THE DETOUR ROUTE
- ONE WAY TRAFFIC
- TYPE III BARRICADE
- \* MOUNTED TO TYPE III BARRICADE

FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BERNARD DRIVE DETOUR PLAN FOR WHITE PINE DITCH CULVERT REPLACEMENT</b>			MUN. RT. =	SECTION =	COUNTY =	TOTAL SHEETS =	SHEET NO. =	
		DRAWN - JAJ	REVISED -		SCALE:	SHEET 1	OF 2 SHEETS	STA. TO STA.	1581	20-00108-02-R5	COOK	164	37
		CHECKED - LMF	REVISED -		CONTRACT NO. 61K63								
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

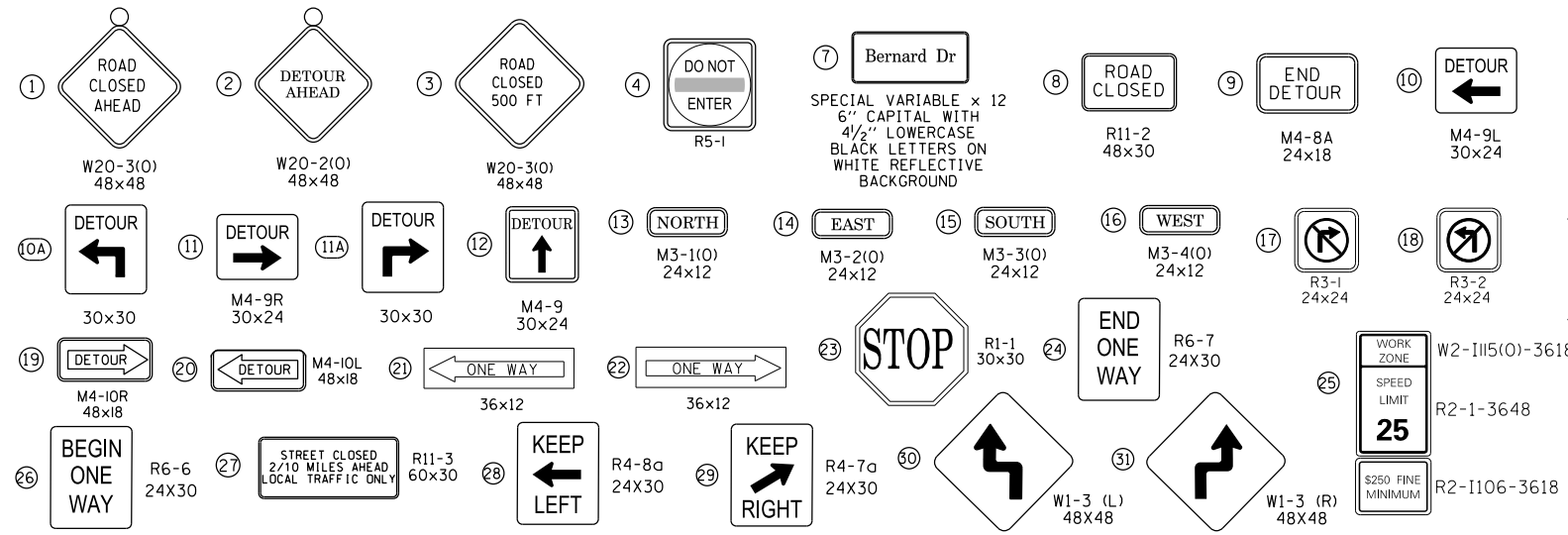
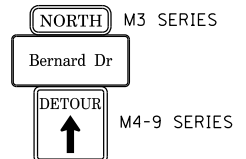
- ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", "THE QUALITY STANDARD FOR WORK ZONE TRAFFIC CONTROL DEVICES", "TRAFFIC SHALL NOT BE SHIFTED ACROSS ARLINGTON HEIGHTS ROAD AT ANY TIME. ALL TRAFFIC SHIFTS ON BERNARD DRIVE SHALL BE COMPLETED IN ACCORDANCE WITH THE MUTCD. ADOPTED 2010", THE DETAILS IN THESE PLANS, THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND PROTECTION.
- THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT. THE ENGINEER SHALL DETERMINE THE HOUR OF CLOSURE. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES. VILLAGE WILL PROVIDE CONTRACTOR WITH AGENCY NAMES AND CONTACT INFORMATION ONCE THE NOTICE IS SUBMITTED TO THE VILLAGE FOR REVIEW.
- THE ENGINEER WILL FIELD LOCATE THE POSITIONS OF ANY SIGNS IF REQUESTED.
- LONGITUDINAL DIMENSIONS SHOWN ON THESE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS, WITH THE APPROVAL OF THE ENGINEER.
- THE DETOUR SHALL NOT GO INTO EFFECT UNTIL ALL SIGNING IS ERECTED IN ACCORDANCE WITH THE DETOUR PLAN AND INSPECTED AND APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL BARRICADES, SIGNS, LIGHTS, AND OTHER DEVICES INSTALLED ARE IN PLACE AND OPERATING 24 HOURS EACH DAY INCLUDING SUNDAYS AND HOLIDAYS DURING THE TIME THE DETOUR IS IN EFFECT.
- THE TRAFFIC CONTROL SHOWN ON THE DETOUR PLAN IS THE MINIMUM NECESSARY FOR THIS ROAD CLOSURE. THE CONTRACTOR SHALL MAKE ALL CHANGES IN TRAFFIC CONTROL THAT IS DEEMED NECESSARY BY THE ENGINEER. ADDITIONS AND DELETIONS OF TRAFFIC CONTROL FOR THIS DETOUR SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".
- ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE DETOUR IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR, IN A MANNER APPROVED BY THE ENGINEER.
- ALL DETOUR SIGNING SHALL BE POST MOUNTED.
- ALL DETOUR SIGNING, EXCEPT REGULATORY SIGNS, SHALL HAVE BLACK LEGENDS ON FLUORESCENT ORANGE SHEETING AND STANDARD BLACK BORDERS. THE FLUORESCENT ORANGE REFLECTIVE SHEETING SHALL MEET THE REQUIREMENTS OF ARTICLE 1084.02 OF THE STANDARD SPECIFICATIONS. ALL DETOUR SIGNING SHALL BE NEW OR LIKE NEW CONDITION OF THE SIGNS. THE ENGINEER SHALL BE THE SOLE JUDGE OF THE CONDITION OF THE SIGNS.
- THE SIZES OF ALL SIGNS NOT SPECIFIED IN THESE PLANS SHALL BE AS REQUIRED BY THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- AS A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED FOR THIS DETOUR SHALL MEET THE REQUIREMENTS FOR TYPE A- LOW INTENSITY FLASHING LIGHTS IN ARTICLE 1084.01 OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING THE HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE USED.
- ALL BARRICADES SHALL HAVE REFLECTORIZED STRIPING ON BOTH SIDES OF THE BARRICADES. THE TYPE III BARRICADES USED AT THE POINT OF CLOSURE TO THRU TRAFFIC SHALL NOT EXCEED 8 FEET IN WIDTH EACH, FOR A SINGLE APPROACH LANE.
- THE ROAD NAME SIGN SHALL HAVE A BLACK LEGEND ON FLUORESCENT ORANGE REFLECTIVE SHEETING. THE SIGN BLANK SHALL BE A 9" X VARIABLE OR A 12" X VARIABLE WITH DESIGN SERIES C LETTERS. THE CAPITAL LETTERS SHALL BE 6" WITH 4 1/2" LOWER CASE.
- DURING NON-WORKING HOURS AT THE POINT OF ROAD CLOSURE TO ALL TRAFFIC THE CONTRACTOR SHALL PROVIDE A MEANS TO RESTRAIN THE BARRICADES FROM EASY MOVEMENT BY VANDALS. THE CHOSEN METHOD SHALL BE APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE VISIBILITY OF ALL DETOUR AND CONSTRUCTION SIGNING, INCLUDING BRUSHING BACK VEGETATION IF DEEMED NECESSARY BY THE ENGINEER.
- THE ENGINEER SHALL BE NOTIFIED AT LEAST TWO (2) HOURS BEFORE THE ROAD IS TO BE OPENED TO TRAFFIC. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES. VILLAGE WILL PROVIDE CONTRACTOR WITH AGENCY NAMES AND CONTACT INFORMATION ONCE THE NOTICE IS SUBMITTED TO THE VILLAGE FOR REVIEW.

DATE	BY	SURVEYED	PLOTTED	CHECKED	DATE
PLAN NO.	NOTE BOOK NO.	GRADES CHECKED	STRUCTURE NOTATIONS CHECKED	FILE NAME	

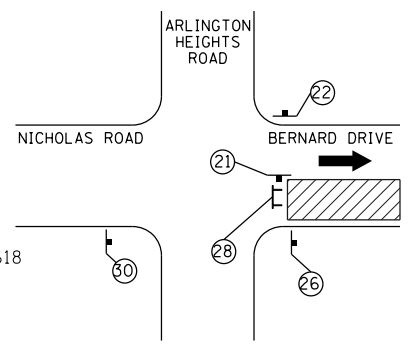
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PROFILE NO.	NOTE BOOK NO.	GRADES CHECKED	STRUCTURE NOTATIONS CHECKED	FILE NAME	



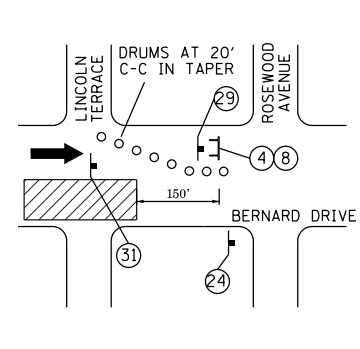
DETAIL FOR TYPICAL DETOUR SIGN ASSEMBLY



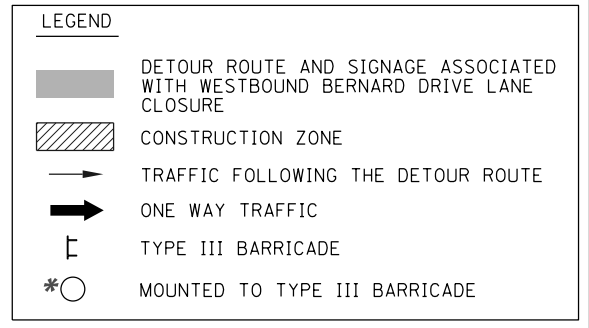
TRAFFIC SHIFT AT ARLINGTON HEIGHTS ROAD



TRAFFIC SHIFT AT LINCOLN TERRACE



NOTE: ONE WAY EASTBOUND TRAFFIC ONLY WILL BE MAINTAINED ON BERNARD DRIVE FROM ARLINGTON HEIGHTS ROAD TO LINCOLN TERRACE THROUGHOUT CONSTRUCTION. WESTBOUND TRAFFIC WILL FOLLOW THE DETOUR ROUTE.



ALL WORK REQUIRED TO ERECT, MAINTAIN AND REMOVE THE DETOUR TO BE PAID AS TRAFFIC CONTROL AND PROTECTION (DETOUR)

FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
N:\BuffaloGrove\200385_C2\Civil\1\01xxxx-ht-C2-MOT-Detour_02.dgn		DRAWN - JAJ	REVISED -
		CHECKED - LMF	REVISED -
Default		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

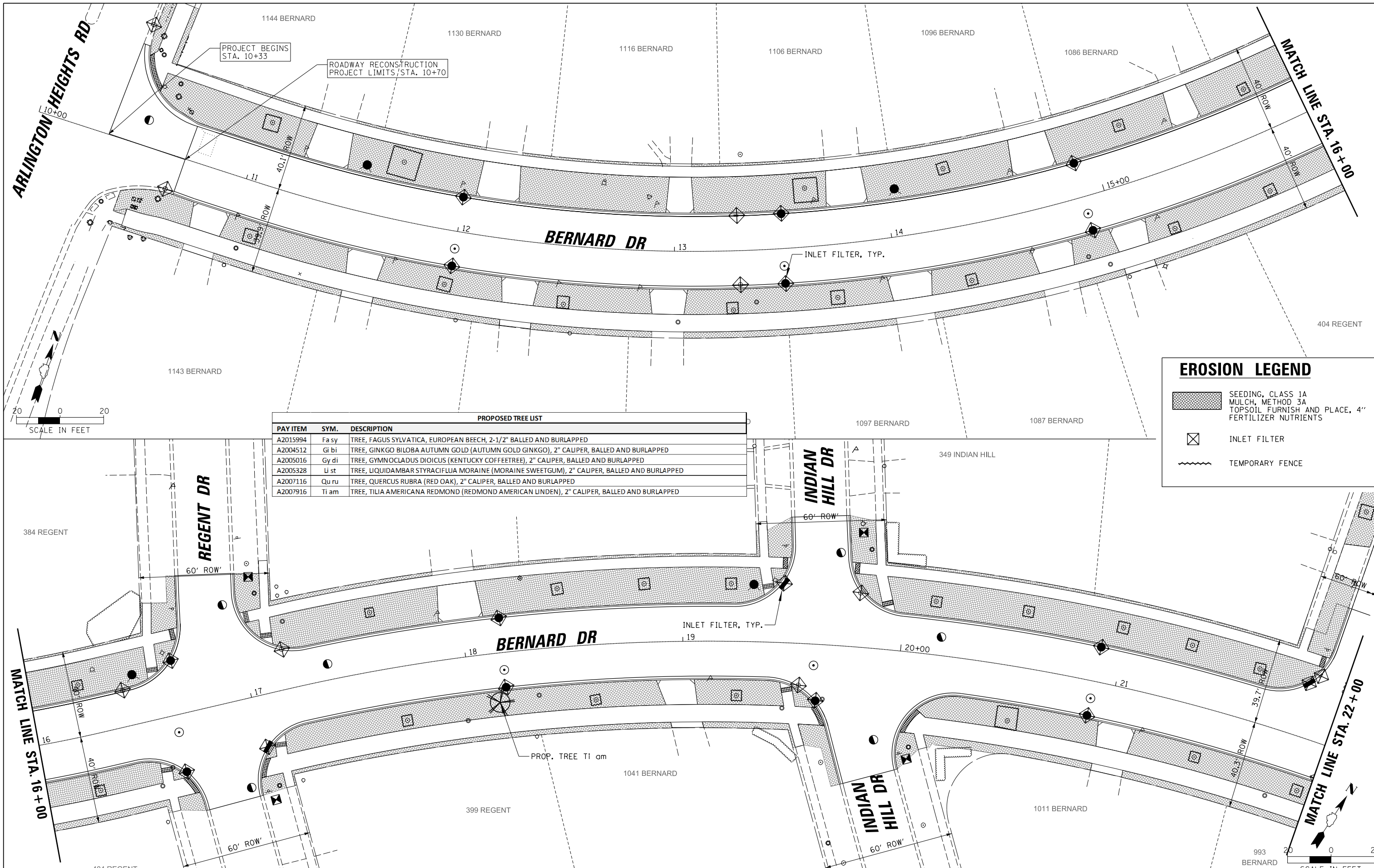
BERNARD DRIVE  
DETOUR PLAN - STAGE 2

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

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	38
CONTRACT NO. 61K63			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	
	NOTED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTED	
	CHECKED	
	FILED	
	NO.	



PROPOSED TREE LIST		
PAY ITEM	SYM.	DESCRIPTION
A2015994	Fa sy	TREE, FAGUS SYLVATICA, EUROPEAN BEECH, 2-1/2" BALLED AND BURLAPPED
A2004512	Gi bi	TREE, GINKGO BILOBA AUTUMN GOLD (AUTUMN GOLD GINKGO), 2" CALIPER, BALLED AND BURLAPPED
A2005016	Gy di	TREE, GYMNOCADUS DIOICUS (KENTUCKY COFFEETREE), 2" CALIPER, BALLED AND BURLAPPED
A2005328	Li st	TREE, LIQUIDAMBAR STRYACIFLUA MORaine (MORaine SWEETGUM), 2" CALIPER, BALLED AND BURLAPPED
A2007116	Qu ru	TREE, QUERCUS RUBRA (RED OAK), 2" CALIPER, BALLED AND BURLAPPED
A2007916	Ti am	TREE, TILIA AMERICANA REDMOND (REDMOND AMERICAN LINDEN), 2" CALIPER, BALLED AND BURLAPPED

**EROSION LEGEND**

- SEEDING, CLASS 1A MULCH, METHOD 3A TOPSOIL FURNISH AND PLACE, 4" FERTILIZER NUTRIENTS
- INLET FILTER
- TEMPORARY FENCE

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BERNARD DRIVE  
EROSION CONTROL AND LANDSCAPING PLAN**

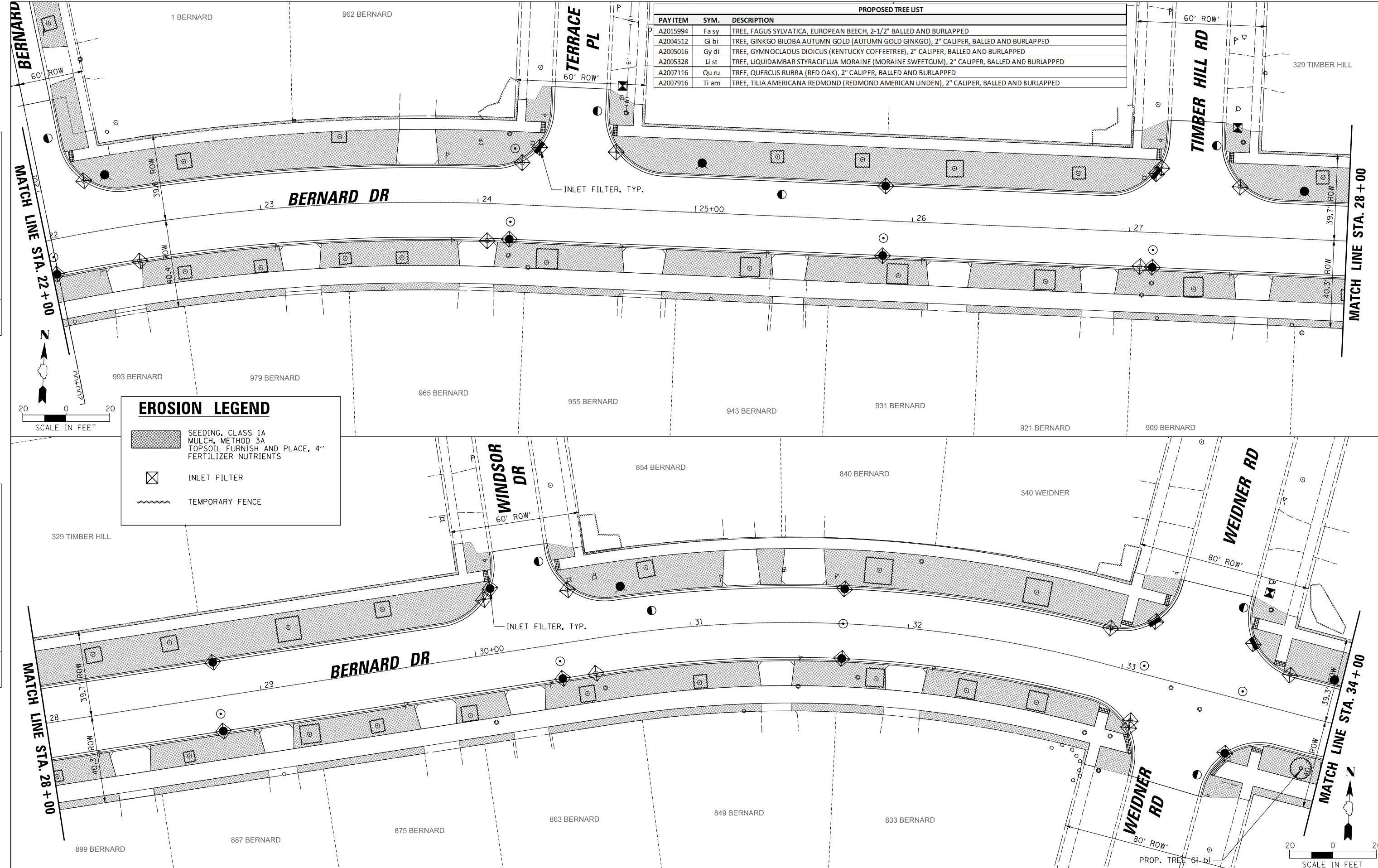
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Default		CHECKED - LMF	REVISED -
	PLOT DATE = 7/10/2024	DATE -	REVISED -

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	39
			CONTRACT NO. 61K63	
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 1 OF 6 SHEETS STA. 10+00.00 TO STA. 22+00.00

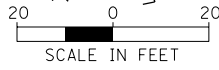
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	PLOTTED	
	CHECKED	
	ALIGNED	
	FILED	
NOTE BOOK NO.	CARD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	GRADES	
	STRUCTURE	
NOTE BOOK NO.	NOTATIS CHFD	



PROPOSED TREE LIST		
PAY ITEM	SYM.	DESCRIPTION
A2015994	Fa sy	TREE, FAGUS SYLVATICA, EUROPEAN BEECH, 2-1/2" BALLED AND BURLAPPED
A2004512	Gi bi	TREE, GINKGO BILOBA AUTUMN GOLD (AUTUMN GOLD GINKGO), 2" CALIPER, BALLED AND BURLAPPED
A2005016	Gy di	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2" CALIPER, BALLED AND BURLAPPED
A2005328	Li st	TREE, LIQUIDAMBAR STYRACIFLUA MORAINI (MORAINI SWEETGUM), 2" CALIPER, BALLED AND BURLAPPED
A2007116	Qu ru	TREE, QUERCUS RUBRA (RED OAK), 2" CALIPER, BALLED AND BURLAPPED
A2007916	Ti am	TREE, TILIA AMERICANA REDMOND (REDMOND AMERICAN LINDEN), 2" CALIPER, BALLED AND BURLAPPED

EROSION LEGEND	
	SEEDING, CLASS 1A MULCH, METHOD 3A TOPSOIL FURNISH AND PLACE, 4" FERTILIZER NUTRIENTS
	INLET FILTER
	TEMPORARY FENCE



FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
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Default	PLOT SCALE = 28'	CHECKED - LMF	REVISED -
	PLOT DATE = 7/10/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BERNARD DRIVE  
EROSION CONTROL AND LANDSCAPING PLAN**

SCALE: SHEET 2 OF 6 SHEETS STA. 22+00.00 TO STA. 34+00.00

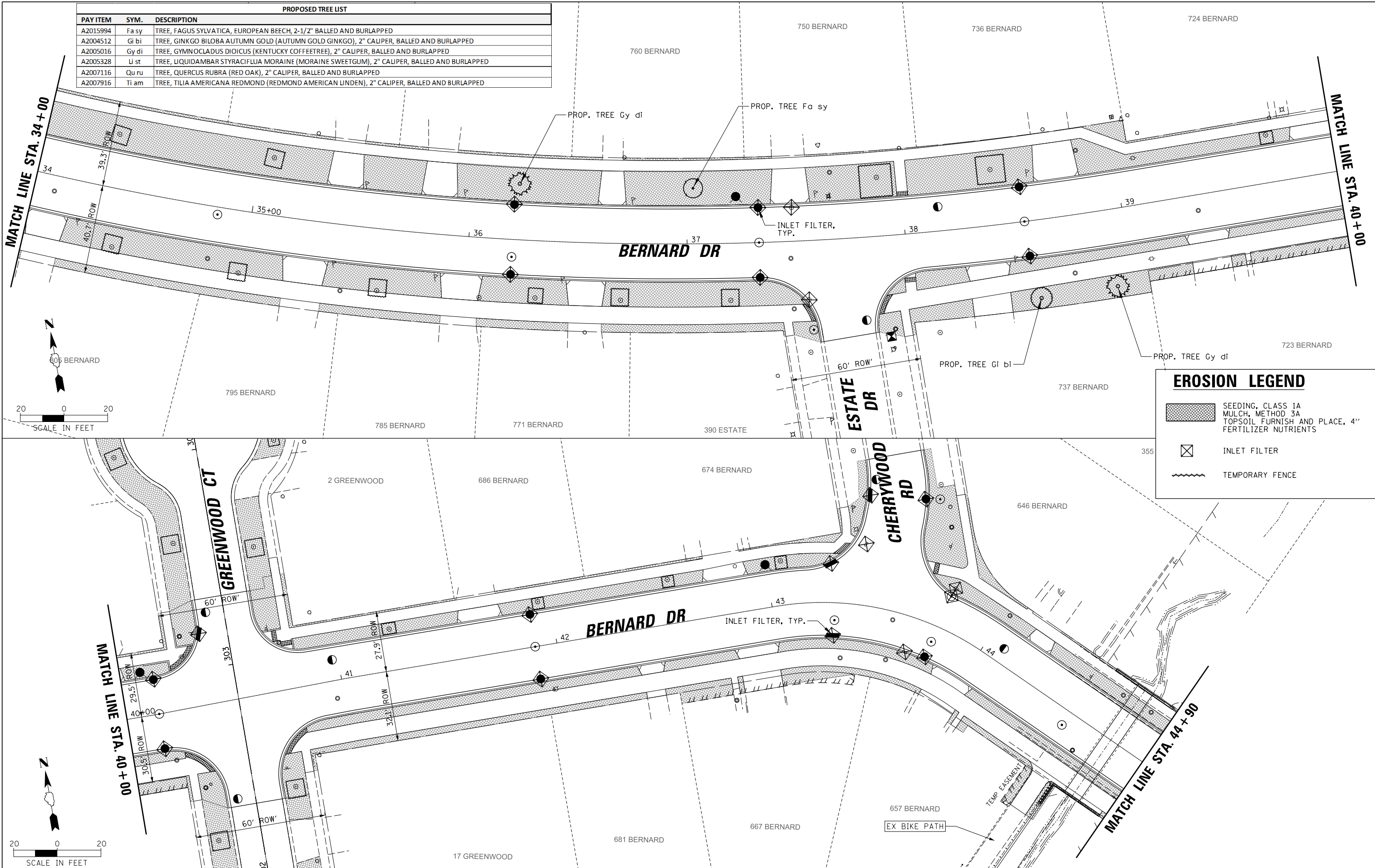
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	40
			CONTRACT NO. 61K63	
ILLINOIS FED. AID PROJECT				



PROPOSED TREE LIST		
PAY ITEM	SYM.	DESCRIPTION
A2015994	Fa sy	TREE, FAGUS SYLVATICA, EUROPEAN BEECH, 2-1/2" BALLED AND BURLAPPED
A2004512	Gi bi	TREE, GINKGO BILOBA AUTUMN GOLD (AUTUMN GOLD GINKGO), 2" CALIPER, BALLED AND BURLAPPED
A2005016	Gy di	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2" CALIPER, BALLED AND BURLAPPED
A2005328	Li st	TREE, LIQUIDAMBAR STYRACIFLUA MORAINA (MORAINA SWEETGUM), 2" CALIPER, BALLED AND BURLAPPED
A2007116	Qu ru	TREE, QUERCUS RUBRA (RED OAK), 2" CALIPER, BALLED AND BURLAPPED
A2007916	Ti am	TREE, TILIA AMERICANA REDMOND (REDMOND AMERICAN LINDEN), 2" CALIPER, BALLED AND BURLAPPED

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	ALIGNMENT	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIS	
	CHFD	
	NO.	



EROSION LEGEND	
	SEEDING, CLASS 1A MULCH, METHOD 3A TOPSOIL FURNISH AND PLACE, 4" FERTILIZER NUTRIENTS
	INLET FILTER
	TEMPORARY FENCE

FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
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		CHECKED - LMF	REVISED -
Default	PLOT DATE = 7/10/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

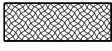


<b>BERNARD DRIVE EROSION CONTROL AND LANDSCAPING PLAN</b>	
SCALE:	SHEET 3 OF 6 SHEETS STA. 34+00.00 TO STA. 44+90.00

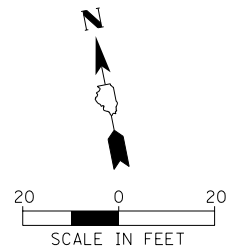
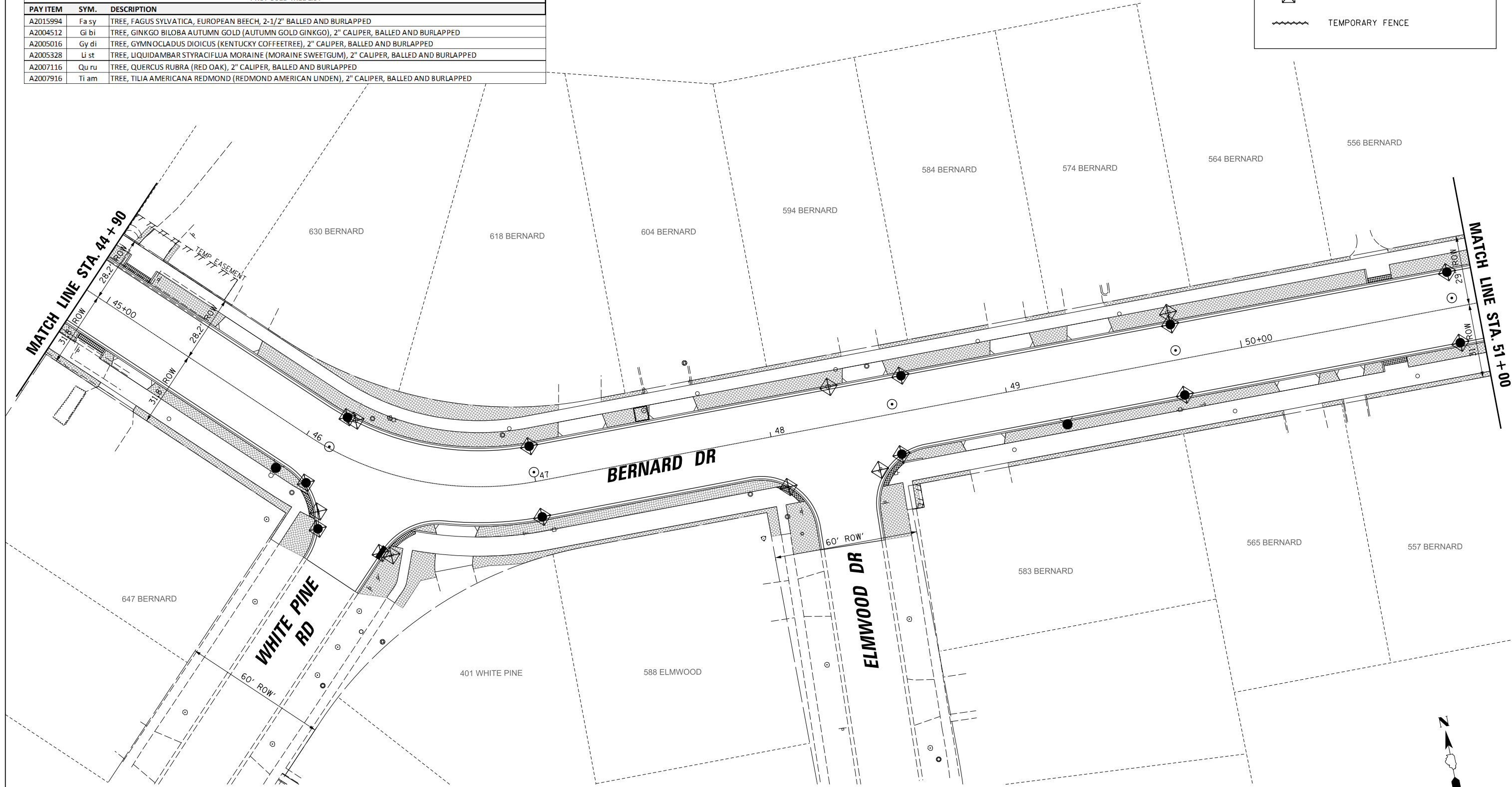
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	41
			CONTRACT NO. 61K63	
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
NOTE BOOK	CADD FILE NAME	
NO.		

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOT AT THIS CHFD	
NOTE BOOK		
NO.		

PROPOSED TREE LIST		
PAY ITEM	SYM.	DESCRIPTION
A2015994	Fa sy	TREE, FAGUS SYLVATICA, EUROPEAN BEECH, 2-1/2" BALLED AND BURLAPPED
A2004512	Gi bi	TREE, GINKGO BILOBA AUTUMN GOLD (AUTUMN GOLD GINKGO), 2" CALIPER, BALLED AND BURLAPPED
A2005016	Gy di	TREE, GYMNOCADUS DIOICUS (KENTUCKY COFFEETREE), 2" CALIPER, BALLED AND BURLAPPED
A2005328	Li st	TREE, LIQUIDAMBAR STYRACIFLUA MORaine (MORaine SWEETGUM), 2" CALIPER, BALLED AND BURLAPPED
A2007116	Qu ru	TREE, QUERCUS RUBRA (RED OAK), 2" CALIPER, BALLED AND BURLAPPED
A2007916	Ti am	TREE, TILIA AMERICANA REDMOND (REDMOND AMERICAN LINDEN), 2" CALIPER, BALLED AND BURLAPPED

EROSION LEGEND	
	SEEDING, CLASS 1A MULCH, METHOD 3A TOPSOIL FURNISH AND PLACE, 4" FERTILIZER NUTRIENTS
	INLET FILTER
	TEMPORARY FENCE



FILE NAME =	USER NAME = jjezerny	DESIGNED - SNS	REVISED -
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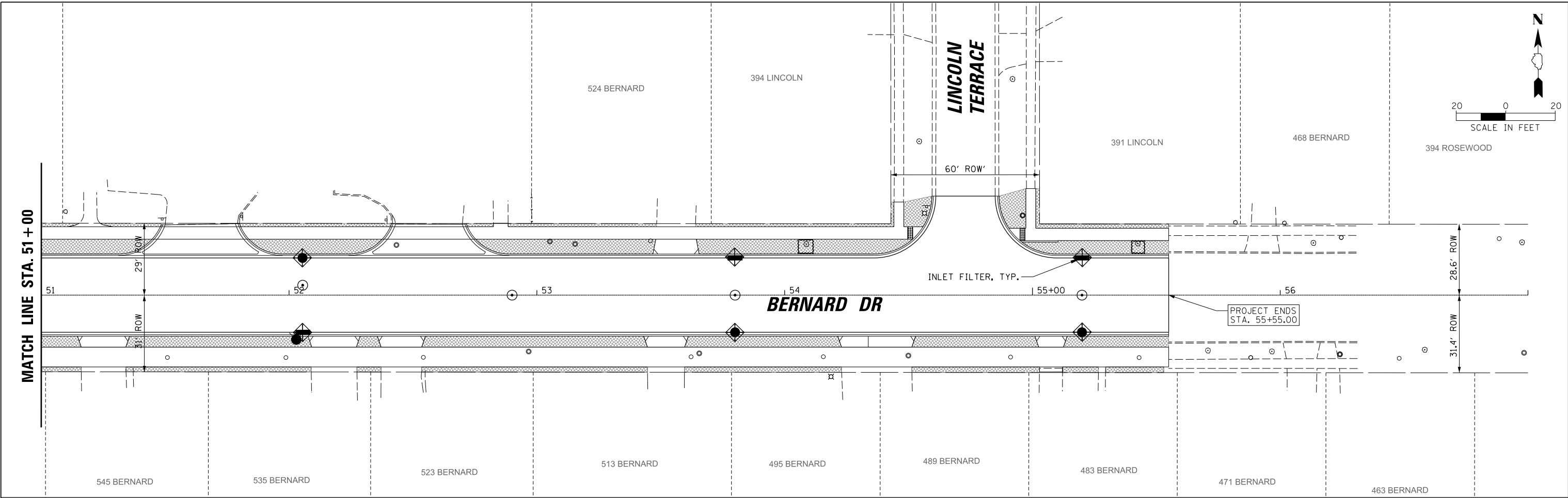
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BERNARD DRIVE EROSION CONTROL AND LANDSCAPING PLAN</b>	
SCALE:	SHEET 4 OF 6 SHEETS STA. 44+90.00 TO STA. 51+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	42
			CONTRACT NO. 61K63	
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		



PROPOSED TREE LIST		
PAY ITEM	SYM.	DESCRIPTION
A2015994	Fa sy	TREE, FAGUS SYLVATICA, EUROPEAN BEECH, 2-1/2" BALLED AND BURLAPPED
A2004512	Gi bi	TREE, GINKGO BILOBA AUTUMN GOLD (AUTUMN GOLD GINKGO), 2" CALIPER, BALLED AND BURLAPPED
A2005016	Gy di	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2" CALIPER, BALLED AND BURLAPPED
A2005328	Li st	TREE, LIQUIDAMBAR STYRACIFLUA MORAINA (MORAINA SWEETGUM), 2" CALIPER, BALLED AND BURLAPPED
A2007116	Qu ru	TREE, QUERCUS RUBRA (RED OAK), 2" CALIPER, BALLED AND BURLAPPED
A2007916	Ti am	TREE, TILIA AMERICANA REDMOND (REDMOND AMERICAN LINDEN), 2" CALIPER, BALLED AND BURLAPPED

EROSION LEGEND	
	SEEDING, CLASS 1A MULCH, METHOD 3A TOPSOIL FURNISH AND PLACE, 4" FERTILIZER NUTRIENTS
	INLET FILTER
	TEMPORARY FENCE

FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
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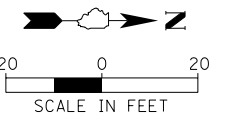
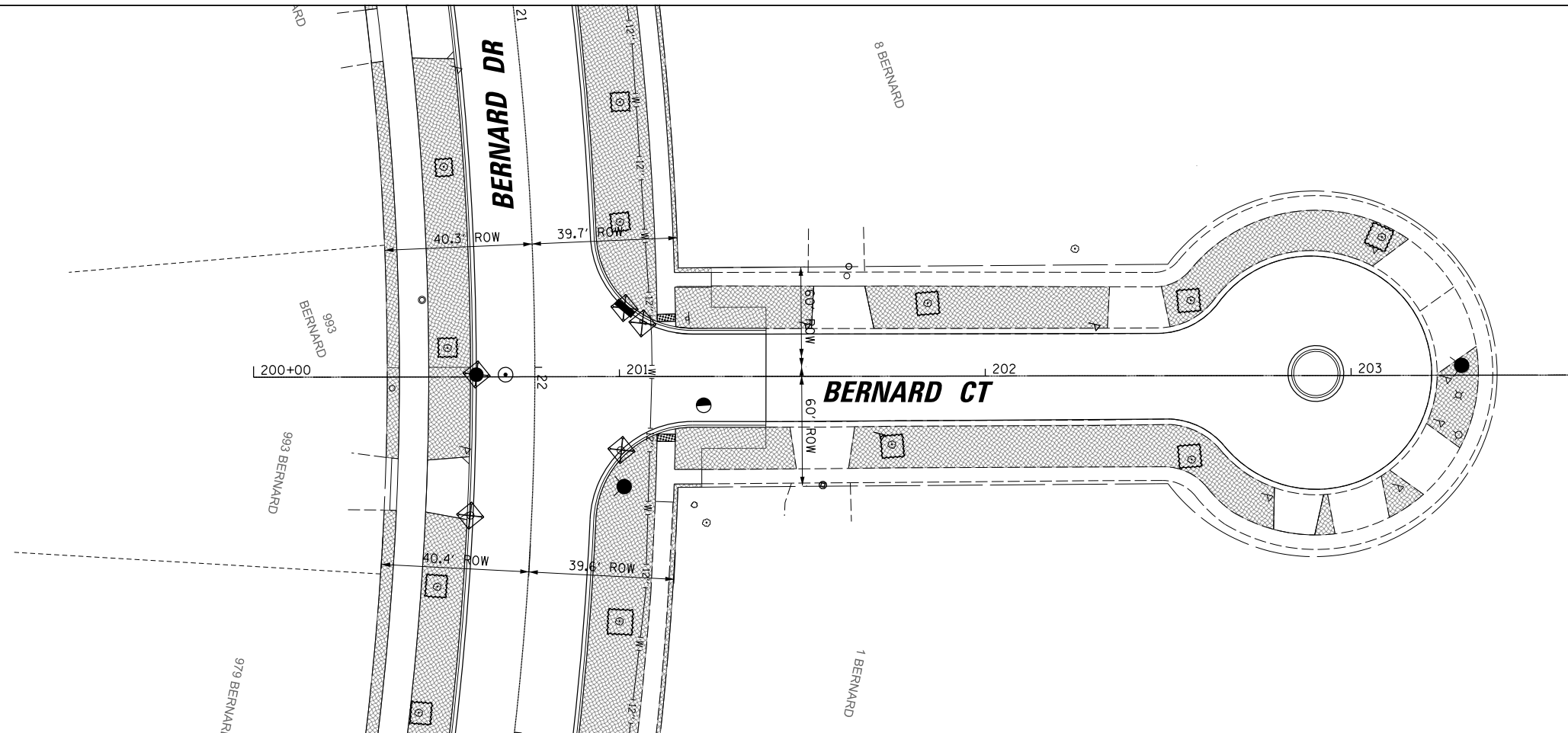
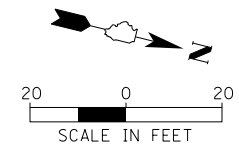
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BERNARD DRIVE EROSION CONTROL AND LANDSCAPING PLAN</b>			
SCALE:	SHEET 5 OF 6 SHEETS	STA. 51+00.00 TO STA. 63+00.00	

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	43
			CONTRACT NO. 61K63	
ILLINOIS FED. AID PROJECT				

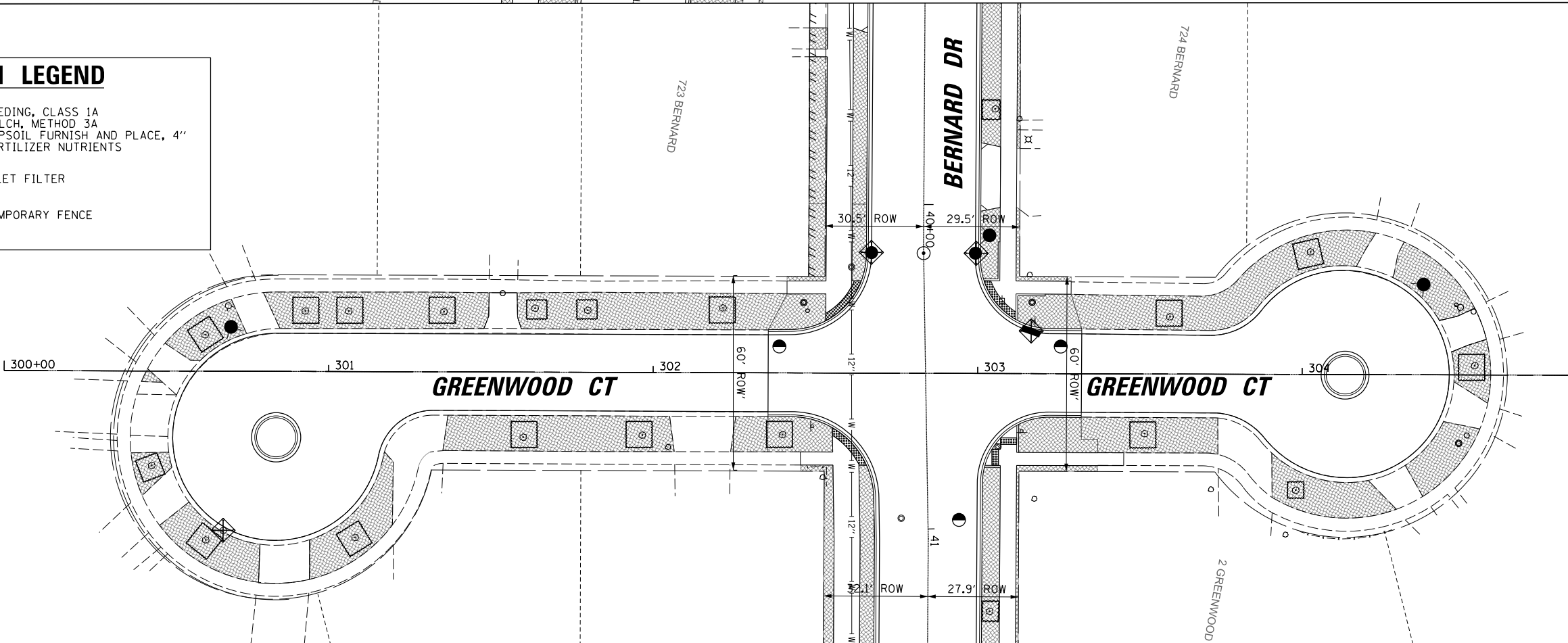
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	PLOTTED	BY
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	ALIGNED	
	FILED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
	FILED	
	FILE NAME	
	NO.	



**EROSION LEGEND**

- SEEDING, CLASS 1A MULCH, METHOD 3A TOPSOIL FURNISH AND PLACE, 4" FERTILIZER NUTRIENTS
- INLET FILTER
- TEMPORARY FENCE



FILE NAME = N:\BuffaloGrove\200385_C2\Civil\01xxxx-ht-C2.ECP_06.dgn	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
		DRAWN - JAJ	REVISED -
		CHECKED - LMF	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BERNARD DRIVE EROSION CONTROL AND LANDSCAPING PLAN</b>			
SCALE:	SHEET 6	OF 6 SHEETS	STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	44
			CONTRACT NO. 61K63	
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
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NOTE BOOK NO.	GRADES CHECKED	
	STRUCTURE	
	NOTATRS CHFD	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
NOTE BOOK NO.	GRADES CHECKED	
	STRUCTURE	
	NOTATRS CHFD	

NO	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	LENGTH (FEET)	SIZE (INCHES)	ELLIP-TICAL	CLASS	TYPE	SLOPE (%)	UPSTREAM INVERT	DOWNSTREAM INVERT	TRENCH BACKFILL (CU. YD.)
P101	S101	S104	152	15		RCCP	2	2.75%	716.77	712.59	117
P102	S102	S101	24	12		WMQ		1.00%	718.22	717.98	7
P103	S103	S101	8	12		RCCP	1	1.00%	718.22	718.14	2
P104	S104	S107	141	15		RCCP	2	1.50%	712.09	709.97	117
P105	S105	S104	24	12		WMQ		1.00%	714.51	714.27	7
P106	S106	S104	8	12		RCCP	1	1.00%	714.51	714.43	2
P107	S107	S201	175	24		RCCP	2	0.75%	709.47	708.16	163
P108	S108	S107	24	12		WMQ		1.00%	711.66	711.42	7
P109	S109	S107	8	12		RCCP	1	1.00%	711.66	711.58	2
P201	S201	S205	152	30		WMQ		0.75%	708.16	707.02	155
P202	S202	S201	33	24		WMQ		1.00%	709.50	709.17	23
P203	S203	S201	18	15		RCCP	1	1.00%	710.01	709.83	7
P204	S204	S203	39	12		WMQ		0.75%	710.30	710.01	12
P205	S205	S211	142	36		RCCP	2	1.10%	707.02	705.46	160
P206	S206	S205	8	12		RCCP	1	1.00%	709.94	709.86	2
P207	S207	S205	24	12		WMQ		1.00%	709.94	709.70	7
P208	S209	S211	40	18		WMQ		1.00%	708.00	707.60	27
P211	S211	S215	128	36		WMQ		0.50%	705.46	704.82	145
P212	S212	S211	16	12		RCCP	1	1.00%	708.54	708.38	5
P213	S213	S215	24	12		WMQ		1.00%	707.78	707.54	7
P214	S214	S215	8	12		RCCP	1	1.00%	707.78	707.70	2
P215	S215	S301	111	36		RCCP	2	1.02%	704.82	703.69	120
P216	S217	S301	37	12		WMQ		1.00%	706.75	706.38	12
P301	S301	S304	211	36		RCCP	2	1.02%	703.19	701.04	261
P303	S303	S301	8	12		RCCP	1	1.00%	706.74	706.66	2
P304	S304	S309	172	42		RCCP	2	1.50%	701.04	698.46	231
P305	S305	S304	34	15		WMQ		1.00%	704.50	704.16	13
P306	S306	S305	11	12		RCCP	1	1.00%	704.71	704.60	0
P308	S308	S304	8	12		RCCP	1	1.00%	704.77	704.69	2
P309	S309	S312	124	42		RCCP	2	1.31%	698.46	696.83	163
P310	S310	S309	24	12		WMQ		1.00%	702.85	702.61	7
P311	S311	S309	8	12		RCCP	1	1.00%	702.85	702.77	2
P312	S312	S401	169	42		RCCP	1	2.32%	696.83	692.91	191
P313	S313	S312	35	15		WMQ		0.50%	698.80	698.63	26
P314	S314	S312	8	12		RCCP	1	1.00%	700.39	700.31	2
P401	S401	S404	158	42		RCCP	1	2.83%	692.91	688.44	173
P402	S402	S401	24	12		WMQ		1.00%	695.93	695.69	7
P403	S403	S401	8	12		RCCP	1	1.00%	695.93	695.85	2
P404	S404	S408	131	48		RCCP	1	2.03%	687.69	685.03	164
P405	S405	S404	46	12		WMQ		0.50%	692.51	692.28	12
P407	S407	S404	8	12		RCCP	1	1.00%	691.71	691.63	2
P408	S408	S411	140	48		RCCP	2	1.35%	684.26	682.37	211
P409	S409	S408	16	12		WMQ		1.00%	688.50	688.34	5
P410	S410	S408	16	12		RCCP	1	1.00%	688.50	688.34	5
P411	S411	S414	47	48		WMQ		0.71%	682.37	682.04	78
P412	S412	S414	30	12		WMQ		1.00%	687.15	686.85	10
P414	S414	S501	128	48		RCCP	2	0.62%	682.04	681.24	250
P415	S415	S414	23	12		WMQ		1.00%	687.12	686.89	8
P416	S413	S411	21	12		WMQ		0.44%	687.26	687.17	6
P501	S501	S503	136	48		RCCP	2	0.63%	681.24	680.39	300
P502	EX SS	S501	21	12		RCCP	2	1.00%	686.70	686.49	16
P503	S503	S506	114	48		RCCP	2	0.65%	680.39	679.65	259
P504	S504	S503	24	12		WMQ		1.00%	687.61	687.37	7
P505	S505	S503	8	12		RCCP	1	1.00%	687.61	687.53	2
P506	S506	S509	122	48		WMQ		0.65%	679.65	678.85	281
P507	S507	S506	16	12		WMQ		1.00%	686.92	686.76	5
P508	S508	S506	16	12		RCCP	1	1.00%	686.92	686.76	5
P509	S509	S601	160	48		RCCP	2	0.66%	678.85	677.80	359
P510	S510	S509	16	12		WMQ		1.00%	686.18	686.02	5
P511	S511	S509	16	12		RCCP	1	1.00%	686.17	686.01	5
P601	S601	S606	175	48		WMQ		0.66%	677.80	676.64	313
P602	S602	S601	16	15		WMQ		1.00%	683.67	683.51	11
P603	S603	S601	16	12		RCCP	1	1.00%	684.63	684.47	5
P605	S604	S602	30	12		RCCP	1	1.00%	683.97	683.67	0
P606	S606	S609	138	48	YES	RCCP	1	0.70%	675.89	674.93	172
P607	S607	S606	15	12		WMQ		1.00%	681.00	680.85	5
P608	S608	S606	15	12		RCCP	1	1.00%	680.85	680.70	5
P609	S609	S615	45	48	YES	RCCP	1	0.25%	674.68	674.56	41
P610	S610	S609	26	12		WMQ		1.00%	677.51	677.25	8
P611	S611	S612	26	12		WMQ		0.50%	676.69	676.56	8
P612	S612	S613	7	15		RCCP	1	0.40%	676.56	676.53	0
P613	S613	S614	45	30		RCCP	2	0.13%	674.40	674.34	0

NO	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	LENGTH (FEET)	SIZE (INCHES)	ELLIP-TICAL	CLASS	TYPE	SLOPE (%)	UPSTREAM INVERT	DOWNSTREAM INVERT	TRENCH BACKFILL (CU. YD.)
P614	S614	CULVERT	93	30		WMQ		0.13%	674.34	674.22	100
P615	S615	S618	71	48	YES	RCCP	1	0.15%	674.56	674.46	69
P616	S616	S609	7	12		RCCP	1	1.00%	677.48	677.41	2
P617	S617	S615	8	15		RCCP	1	1.00%	677.10	677.02	2
P618	S618	CULVERT	18	48		DIP	1	0.15%	674.46	674.43	19
P619	S701	CULVERT	134	30		RCCP	1	0.20%	674.61	674.34	137
P701	S706	S701	86	30		RCCP	1	0.22%	674.80	674.61	75
P702	S702	S701	14	12		RCCP	1	1.00%	676.52	676.38	4
P703	S703	S701	18	18		WMQ		0.75%	676.32	676.18	6
P704	S704	S703	19	15		RCCP	1	0.50%	676.41	676.32	6
P705	S705	S704	28	12		WMQ		0.50%	676.55	676.41	8
P706	S713	S706	152	24		RCCP	2	0.45%	675.48	674.80	137
P707	S707	S706	11	12		RCCP	1	1.00%	676.90	676.79	3
P708	S708	S706	19	12		WMQ		1.00%	676.60	676.41	7
P709	S709	S713	12	12		RCCP	1	1.00%	677.69	677.57	4
P713	S716	S713	120	24		RCCP	2	0.63%	676.56	675.80	100
P714	S714	S713	21	12		WMQ		1.00%	677.66	677.45	7
P715	S715	S719	19	12		WMQ		1.00%	681.08	680.89	6
P716	S719	S716	117	18		RCCP	2	0.80%	677.99	677.06	103
P717	S717	S716	11	12		RCCP	1	1.00%	678.32	678.21	3
P718	S718	S716	19	12		WMQ		1.00%	677.70	677.51	7
P719	S801	S719	116	18		RCCP	2	5.55%	684.43	677.99	103
P720	S720	S719	11	12		RCCP	1	1.00%	680.99	680.88	3
P801	S804	S801	85	18		WMQ		2.50%	686.56	684.43	64
P802	S802	S801	11	12		RCCP	1	1.00%	685.68	685.57	3
P803	S803	S801	19	12		WMQ		1.00%	685.79	685.60	6
P804	S805	S804	90	15		RCCP	2	1.50%	687.91	686.56	65
P805	S808	S805	140	15		RCCP	2	1.05%	689.38	687.91	95
P806	S806	S805	15	12		WMQ		1.00%	689.02	688.87	5
P807	S807	S805	15	12		RCCP	1	1.00%	689.09	688.94	5
P808	S809	S808	15	12		WMQ		1.00%	690.31	690.16	5
P809	S810	S808	15	12		RCCP	1	1.00%	690.39	690.24	5
P900	EX MH	EX MH	217	12		PVC		0.13%	671.06 (EX)	670.79 (EX)	314
P901	EX MH	EX MH	69	8		PVC		1.12%	685.53 (EX)	684.76 (EX)	0

\* EXISTING INVERT TO BE VERIFIED IN FIELD

FILE NAME -	USER NAME = jjezierny	DESIGNED - SNS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BERNARD DRIVE DRAINAGE SCHEDULE</b>		MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\BuffaloGrave\200385_C2\Cv1\1\01xxxxx-ht-C2.DRN-PipeSCHEDULE.dgn	DRAWN - JAJ	REVISED -	1581				20-00108-02-R5	COOK	164	45	
Default	PLOT SCALE = 1"	CHECKED - LMF	REVISED -				CONTRACT NO. 61K63				
	PLOT DATE = 7/25/2024	DATE -	REVISED -	SCALE:		SHEET 1 OF 2 SHEETS		STA.		TO STA.	
				ILLINOIS FED. AID PROJECT							

PLAN	SURVEYED PLOTTED GRADES CHECKED STRUCTURE	DATE	BY
		NO.	
		NAME	
		NO.	
		NO.	

PROFILE	SURVEYED PLOTTED GRADES CHECKED STRUCTURE	DATE	BY
		NO.	
		NAME	
		NO.	
		NO.	

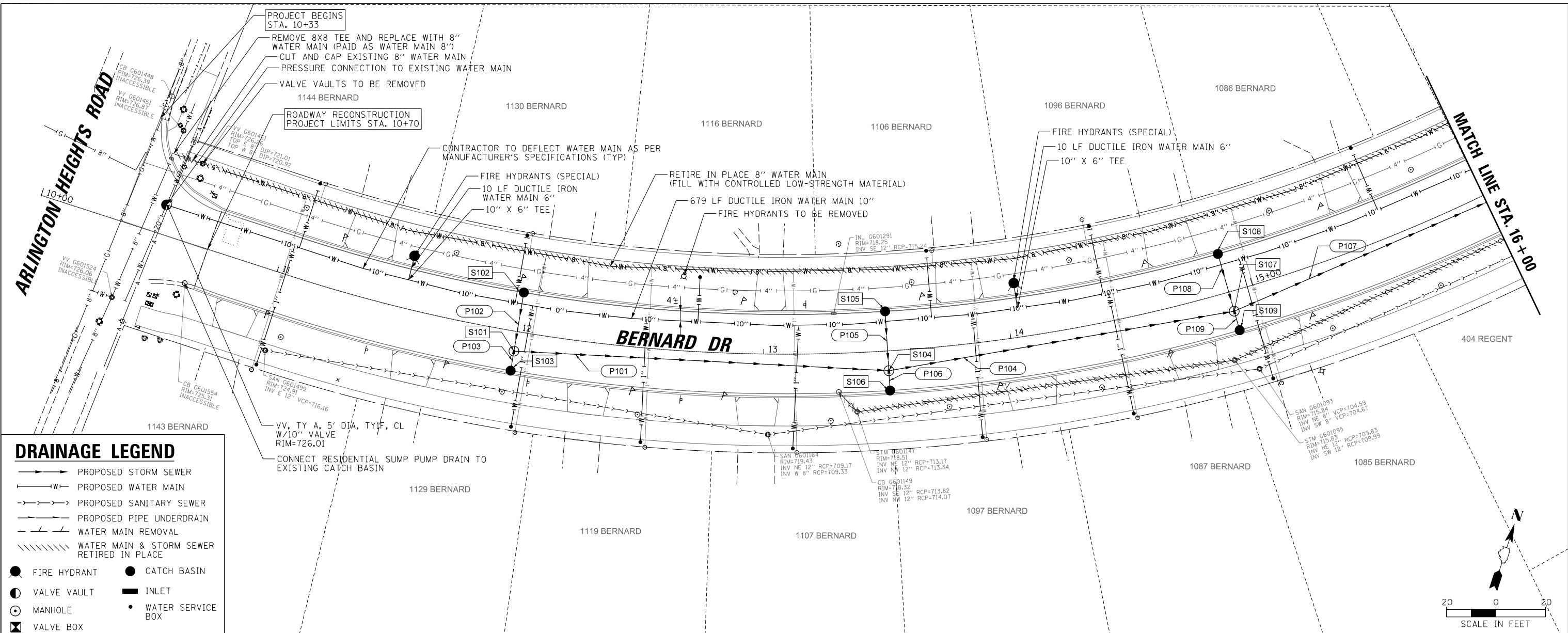
NO.	STRUCTURE	FRAME TYPE	STATION	OFFSET	INVERT ELEVATIONS				
					RIM	N	S	E	W
S101	MH TA 4'	T 1 F CL	12+00.00	8.00' RT	721.88	717.98	718.14	716.77	-
S102	CB TA 4'	T 11 F&G	12+00.00	16.00' LT	721.72	-	718.22	-	-
S103	CB TA 4'	T 11 F&G	12+00.00	16.00' RT	721.72	718.22	-	-	-
S104	MH TA 4'	T 1 F CL	13+50.00	8.00' RT	718.17	714.27	714.43	712.09	712.59
S105	CB TA 4'	T 11 F&G	13+50.00	16.00' LT	718.01	-	714.51	-	-
S106	CB TA 4'	T 11 F&G	13+50.00	16.00' RT	718.01	714.51	-	-	-
S107	MH TA 4'	T 1 F CL	14+90.00	8.00' RT	715.32	711.42	711.58	709.47	709.97
S108	CB TA 4'	T 11 F&G	14+90.00	16.00' LT	715.16	-	711.66	-	-
S109	CB TA 4'	T 11 F&G	14+90.00	16.00' RT	715.16	711.66	-	-	-
S201	MH TA 5'	T 1 F CL	16+64.00	8.00' RT	714.37	709.17	709.83	708.16	708.16
S202	CB TA 4'	T 11 F&G	16+68.00	24.95' LT	713.94	709.5 (EX)*	709.50	-	-
S203	CB TA 4'	T 1 F OL	16+63.35	26.50' RT	713.78	710.01	-	710.01	-
S204	INL TA	T 1 F OL	17+02.00	23.80' RT	713.80	-	-	-	710.30
S205	MH TA 5'	T 1 F CL	18+17.00	8.00' RT	713.61	709.70	709.86	707.02	707.02
S206	CB TA 4'	T 11 F&G	18+17.00	16.00' RT	713.44	709.94	-	-	-
S207	CB TA 4'	T 11 F&G	18+17.00	16.00' LT	713.44	-	709.94	-	-
S209	INL TA	T 11 F&G	19+45.68	27.17' LT	712.37	708.0 (EX)*	708.0	-	-
S211	MH TA 5'	T 1 F CL	19+60.54	9.74' RT	712.60	707.60	708.38	705.46	705.46
S212	CB TA 4'	T 11 F&G	19+62.28	26.00' RT	712.04	708.54	-	-	-
S213	CB TA 4'	T 11 F&G	20+90.00	16.00' LT	711.28	-	707.78	-	-
S214	CB TA 4'	T 11 F&G	20+90.00	16.00' RT	711.28	707.78	-	-	-
S215	MH TA 5'	T 1 F CL	20+90.00	8.00' RT	711.44	707.54	707.70	704.82	704.82
S217	INL TA	T 11 F&G	21+84.35	24.75' LT	710.25	-	-	706.75	-
S301	MH TA 6'	T 1 F CL	22+02.00	8.00' RT	710.40	706.38	706.66	703.19	703.69
S303	CB TA 4'	T 11 F&G	22+02.00	16.00' RT	710.24	706.74	-	-	-
S304	MH TA 6'	T 1 F CL	24+15.25	8.00' RT	708.43	704.16	704.69	701.04	701.04
S305	MH TA 4'	T 1 F CL	24+16.00	25.77' LT	708.69	704.5 (EX)*	704.5	704.60	-
S306	INL TA	T 11 F&G	24+27.00	26.65' LT	707.91	-	-	-	704.71
S308	CB TA 4'	T 11 F&G	24+15.10	16.00' RT	708.27	704.77	-	-	-
S309	MH TA 6'	T 1 F CL	25+87.00	8.00' RT	706.51	702.61	702.77	698.46	698.46
S310	CB TA 4'	T 11 F&G	25+87.00	16.00' LT	706.35	-	702.85	-	-
S311	CB TA 4'	T 11 F&G	25+87.00	16.00' RT	706.35	702.85	-	-	-
S312	MH TA 6'	T 1 F CL	27+11.12	8.00' RT	704.04	698.63	700.31	696.83	696.83
S313	INL TA	T 11 F&G	27+11.13	27.11' LT	703.76	698.8 (EX)*	698.8	-	-
S314	CB TA 4'	T 11 F&G	27+11.09	16.00' RT	703.89	700.39	-	-	-
S401	MH TA 6'	T 1 F CL	28+80.00	8.00' RT	699.59	695.69	695.85	692.91	692.91
S402	CB TA 4'	T 11 F&G	28+80.00	16.00' LT	699.43	-	695.93	-	-
S403	CB TA 4'	T 11 F&G	28+80.00	16.00' RT	699.43	695.93	-	-	-
S404	MH TA 6'	T 1 F CL	30+38.00	8.00' RT	695.37	692.28	691.63	687.69	688.44
S405	CB TA 4'	T 11 F&G	30+11.25	30.00' LT	695.76	-	692.51	-	-
S407	CB TA 4'	T 11 F&G	30+38.00	16.00' RT	695.21	691.71	-	-	-
S408	MH TA 6'	T 1 F CL	31+70.00	0.00' RT	692.32	688.34	688.34	684.26	685.03
S409	CB TA 4'	T 11 F&G	31+70.00	16.00' LT	692.00	-	688.50	-	-
S410	CB TA 4'	T 11 F&G	31+70.00	16.00' RT	692.00	688.50	-	-	-
S411	MH TA 9' (DOG HOUSE MH)	T 1 F CL	33+09.80	3.75' LT	691.02	682.37 (EX)*	682.37 (EX)*	682.37	682.37
S412	CB TA 4'	T 11 F&G	33+55.75	25.79' RT	690.65	687.15	-	-	-
S413	INL TA	T 11 F&G	33+09.00	24.50' LT	690.51	-	687.26	-	-
S414	MH TA 6'	T 1 F CL	33+56.50	3.84' LT	691.19	686.89	686.85	682.04	682.04
S415	INL TA	T 11 F&G	33+56.00	26.35' LT	690.62	-	687.12	-	-
S501	MH TA 6'	T 1 F CL	34+84.50	3.50' RT	691.89	-	686.49	681.24	681.24
S503	MH TA 6'	T 1 F CL	36+20.00	8.00' RT	691.27	687.37	687.53	680.39	680.39
S504	CB TA 4'	T 11 F&G	36+20.00	16.00' LT	691.11	-	687.61	-	-
S505	CB TA 4'	T 11 F&G	36+20.00	16.00' RT	691.11	687.61	-	-	-
S506	MH TA 6'	T 1 F CL	37+33.00	0.00' LT	690.74	686.76	686.76	679.65	679.65
S507	CB TA 4'	T 11 F&G	37+33.00	16.00' LT	690.42	-	686.92	-	-
S508	CB TA 4'	T 11 F&G	37+33.00	16.00' RT	690.42	686.92	-	-	-
S509	MH TA 6'	T 1 F CL	38+55.00	0.00' LT	689.99	686.02	686.01	678.85	678.85
S510	CB TA 4'	T 11 F&G	38+55.00	16.00' LT	689.68	-	686.18	-	-
S511	CB TA 4'	T 11 F&G	38+55.00	16.00' RT	689.67	686.17	-	-	-
S512	MH TA 4'	T 1 F CL	37+56.00	41.00' RT	690.61	-	685.4 (EX)*	-	-
S601	MH TA 6'	T 1 F CL	40+15.00	0.00' LT	688.45	683.51	684.47	677.80	677.80
S602	CB TA 4'	T 11 F&G	40+15.25	16.00' LT	688.12	683.67	683.67	-	-
S603	CB TA 4'	T 11 F&G	40+15.00	16.00' RT	688.13	684.63	-	-	-
S604	INL TA	T 11 F&G	40+39.50	32.70' LT	687.77	-	-	-	683.97
S606	MH TA 8'	T 1 F CL	41+90.00	0.00' LT	684.65	680.85	680.70	675.89	676.64
S607	CB TA 4'	T 11 F&G	41+90.00	15.00' LT	684.50	-	681.00	-	-
S608	CB TA 4'	T 11 F&G	41+90.00	15.00' RT	684.35	680.85	-	-	-
S609	MH TA 8'	T 1 F CL	43+29.00	8.00' RT	681.11	677.25	677.41	674.68	674.93
S610	INL TA	T 11 F&G	43+26.50	17.85' LT	681.01	-	677.51	-	-
S611	INL TA	T 11 F&G	43+39.00	50.50' LT	680.19	-	-	676.69	-
S612	CB TA 4'	T 11 F&G	43+57.00	53.60' LT	680.09	-	-	676.56	676.56

NO.	STRUCTURE	FRAME TYPE	STATION	OFFSET	INVERT ELEVATIONS				
					RIM	N	S	E	W
S613	MH TA 5'	T 1 F CL	43+61.50	55.30' LT	680.49	674.4 (EX)*	674.4	-	676.53
S614	MH TA 5'	T 11 F&G	43+77.60	15.25' LT	680.58	674.34	674.34	-	-
S615	MH TA 8'	T 1 F CL	43+77.50	7.50' RT	680.76	-	677.02	674.56	674.56
S616	INL TA	T 11 F&G	43+28.50	15.00' RT	680.98	677.48	-	-	-
S617	CB TA 4'	T 11 F&G	43+77.50	15.00' RT	680.60	677.10	-	-	-
S618	MH TA 8'	T 1 F CL	44+50.00	7.00' RT	681.31	-	-	674.46	674.46
S701	MH TA 6'	T 1 F CL	46+10.75	0.60' LT	680.30	676.38	676.18	674.61	674.61
S702	CB TA 4'	T 11 F&G	46+11.50	15.00' LT	680.02	-	676.52	-	-
S703	CB TA 4'	T 11 F&G	46+09.60	17.25' RT	679.95	676.32	676.32	-	-
S704	CB TA 4'	T 11 F&G	46+20.60	32.18' RT	679.79	-	-	676.41	676.41
S705	INL TA	T 11 F&G	46+43.20	32.75' RT	679.80	-	-	-	676.55
S706	MH TA 5'	T 1 F CL	47+00.00	4.00' LT	680.62	676.79	676.41	674.80	674.80
S707	CB TA 4'	T 11 F&G	47+00.00	15.00' LT	680.40	-	676.90	-	-
S708	CB TA 4'	T 11 F&G	47+00.00	15.00' RT	680.41	676.60	676.60 (EX)*	-	-
S709	CB TA 4'	T 11 F&G	48+58.00	15.00' LT	681.19	-	677.69	-	-
S713	MH TA 4'	T 1 F CL	48+52.20	4.00' LT	681.38	677.57	677.45	675.80	675.48
S714	CB TA 4'	T 11 F&G	48+52.30	17.25' RT	681.16	677.66	-	-	-
S715	CB TA 4'	T 11 F&G	50+90.00	15.00' RT	684.58	681.08	-	-	-
S716	MH TA 4'	T 1 F CL	49+72.50	4.00' LT	682.04	678.21	677.51	677.06	676.56
S717	CB TA 4'	T 11 F&G	49+72.50	15.00' LT	681.82	-	678.32	-	-
S718	CB TA 4'	T 11 F&G	49+72.50	15.00' RT	681.93	677.70	677.70 (EX)*	-	-
S719	MH TA 4'	T 1 F CL	50+90.00	4.00' LT	684.73	680.88	680.89	677.99	677.99
S720	CB TA 4'	T 11 F&G	50+90.00	15.00' LT	684.49	-	680.99	-	-
S801	MH TA 4'	T 1 F CL	52+05.50	4.00' LT	689.49	685.57	685.60	684.43	684.43
S802	CB TA 4'	T 11 F&G	52+05.50	15.00' LT	689.18	-	685.68	-	-
S803	INL TA	T 11 F&G	52+05.50	15.00' RT	689.29	685.79	-	-	-
S804	MH TA 4'	T 1 F CL	52+90.00	0.00' RT	691.82	-	-	686.56	686.56
S805	MH TA 4'	T 1 F CL	53+80.00	0.00' LT	692.82	688.87	688.94	687.91	687.91
S806	INL TA	T 11 F&G	53+80.00	15.00' LT	692.52	-	689.02	-	-
S807	CB TA 4'	T 11 F&G	53+80.00	15.00' RT	692.59	689.09	-	-	-
S808	MH TA 4'	T 1 F CL	55+20.00	0.00' RT	694.11	690.16	690.24	-	689.38
S809	INL TA	T 11 F&G	55+20.00	15.00' RT	693.81	-	690.31	-	-
S810	CB TA 4'	T 11 F&G	55+20.00	15.00' LT	693.89	690.39	-	-	-

✳ EXISTING INVERT TO BE VERIFIED IN FIELD

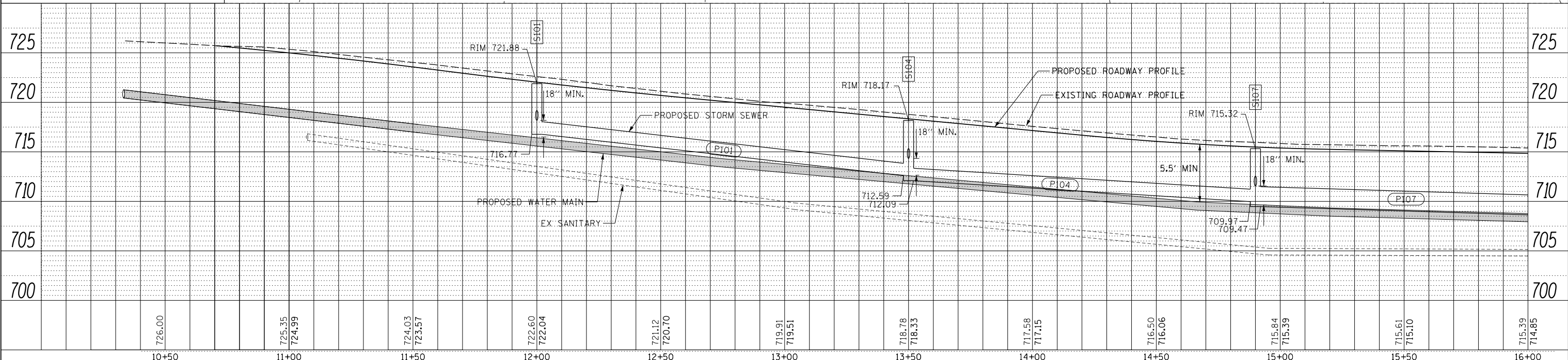
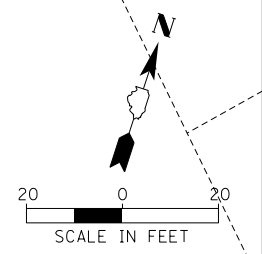
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DATE	
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PROFILE	SURVEYED
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### DRAINAGE LEGEND

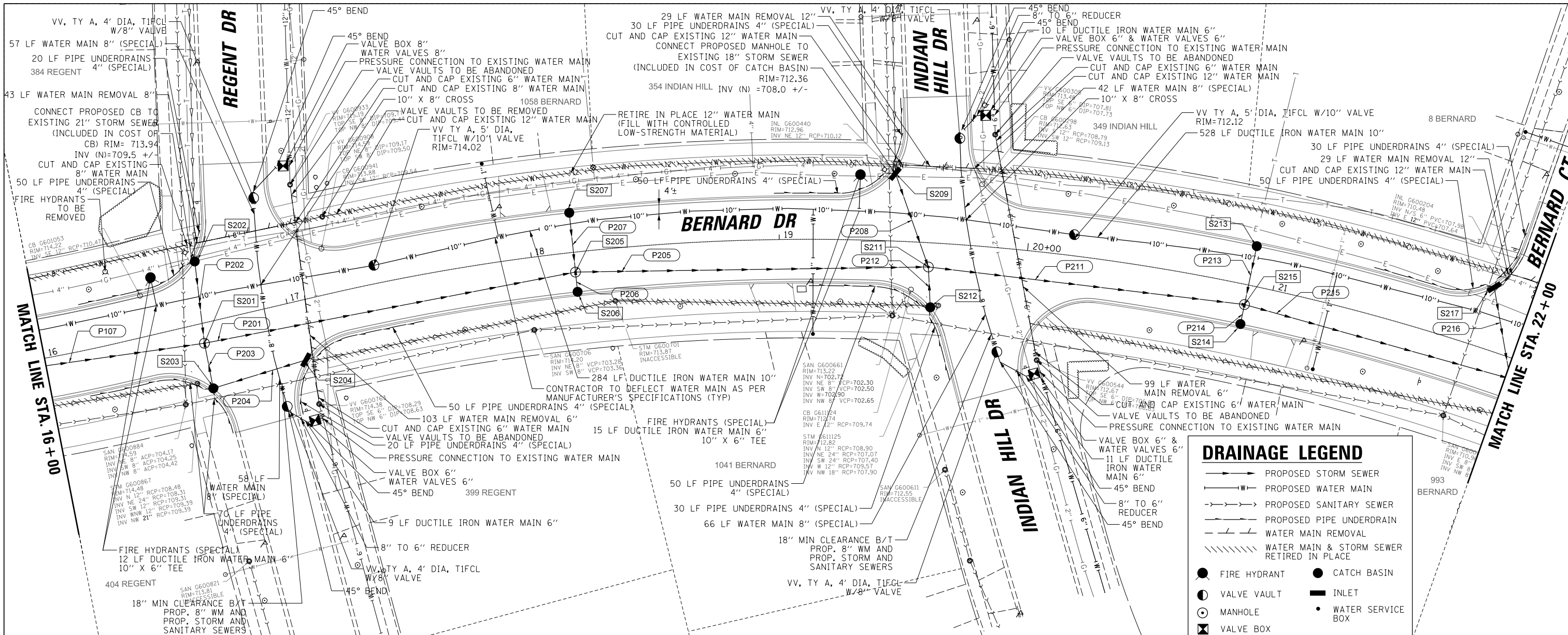
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- W— PROPOSED WATER MAIN
- - - - PROPOSED SANITARY SEWER
- - - - PROPOSED PIPE UNDERDRAIN
- - - - WATER MAIN REMOVAL
- ||||| WATER MAIN & STORM SEWER RETIRED IN PLACE
- FIRE HYDRANT
- CATCH BASIN
- VALVE VAULT
- INLET
- MANHOLE
- WATER SERVICE BOX
- ⊠ VALVE BOX



FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>				<b>BERNARD DRIVE</b> <b>UTILITY PLAN AND PROFILE</b>				MUN. RT. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\Buf\fo\grove\200385_C2\Cv1\1\01xxxxx-sh-C2_DPP_01.dgn	DRAWN - JAJ	REVISOR -	REVISOR -									1581	20-00108-02-R5	COOK	164	47
Default	PLOT SCALE = 28'	CHECKED - LMF	REVISOR -									CONTRACT NO. 61K63				
	PLOT DATE = 7/25/2024	DATE -	REVISOR -									ILLINOIS FED. AID PROJECT				

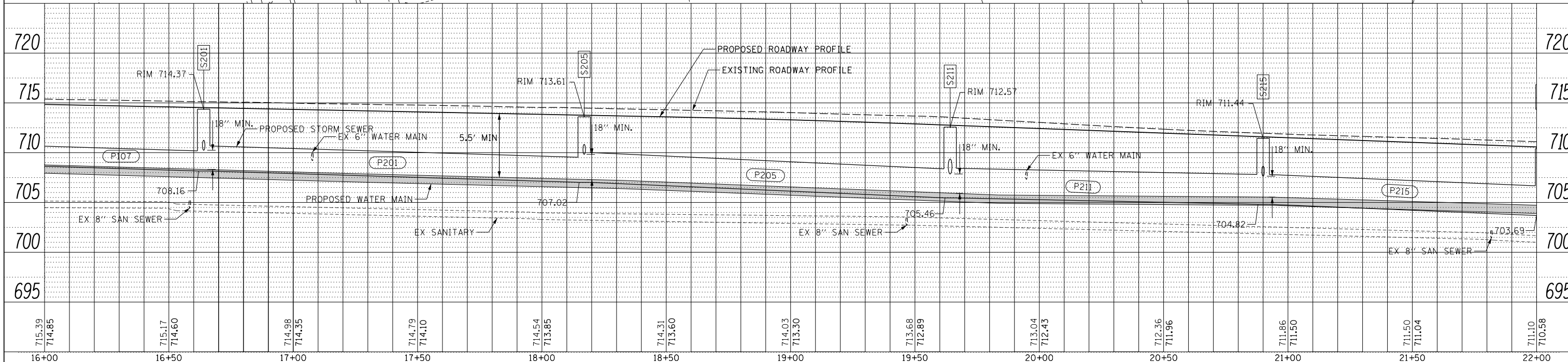
DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	CHECKED
	ALIGNED
	FILE NAME
	NO.

DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	CHECKED
	STRUCTURE
	NOTATIONS
	CHFD
	NO.



### DRAINAGE LEGEND

- PROPOSED STORM SEWER
- W— PROPOSED WATER MAIN
- - - - - PROPOSED SANITARY SEWER
- - - - - PROPOSED PIPE UNDERDRAIN
- WATER MAIN REMOVAL
- ////// WATER MAIN & STORM SEWER RETIRED IN PLACE
- FIRE HYDRANT
- CATCH BASIN
- VALVE VAULT
- INLET
- MANHOLE
- WATER SERVICE BOX
- ⊠ VALVE BOX

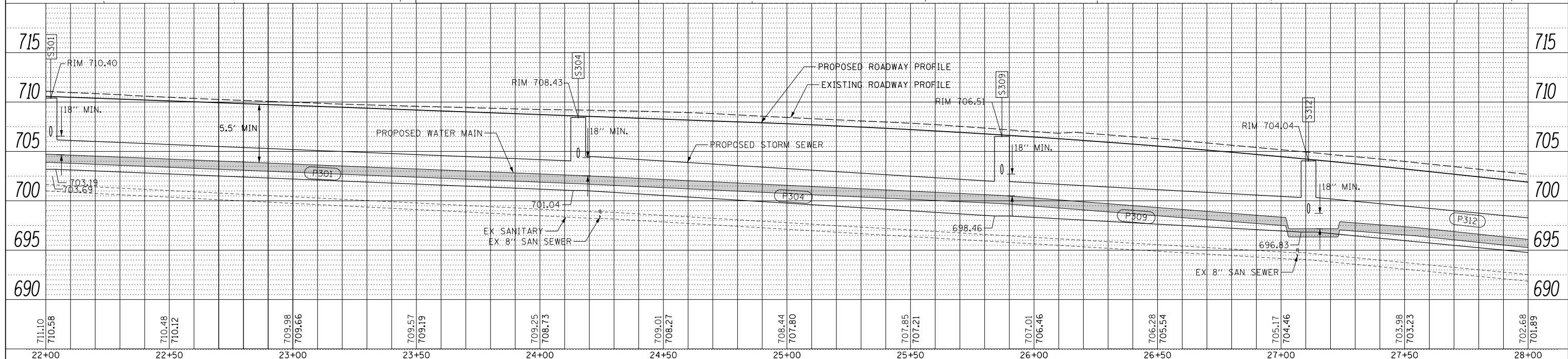
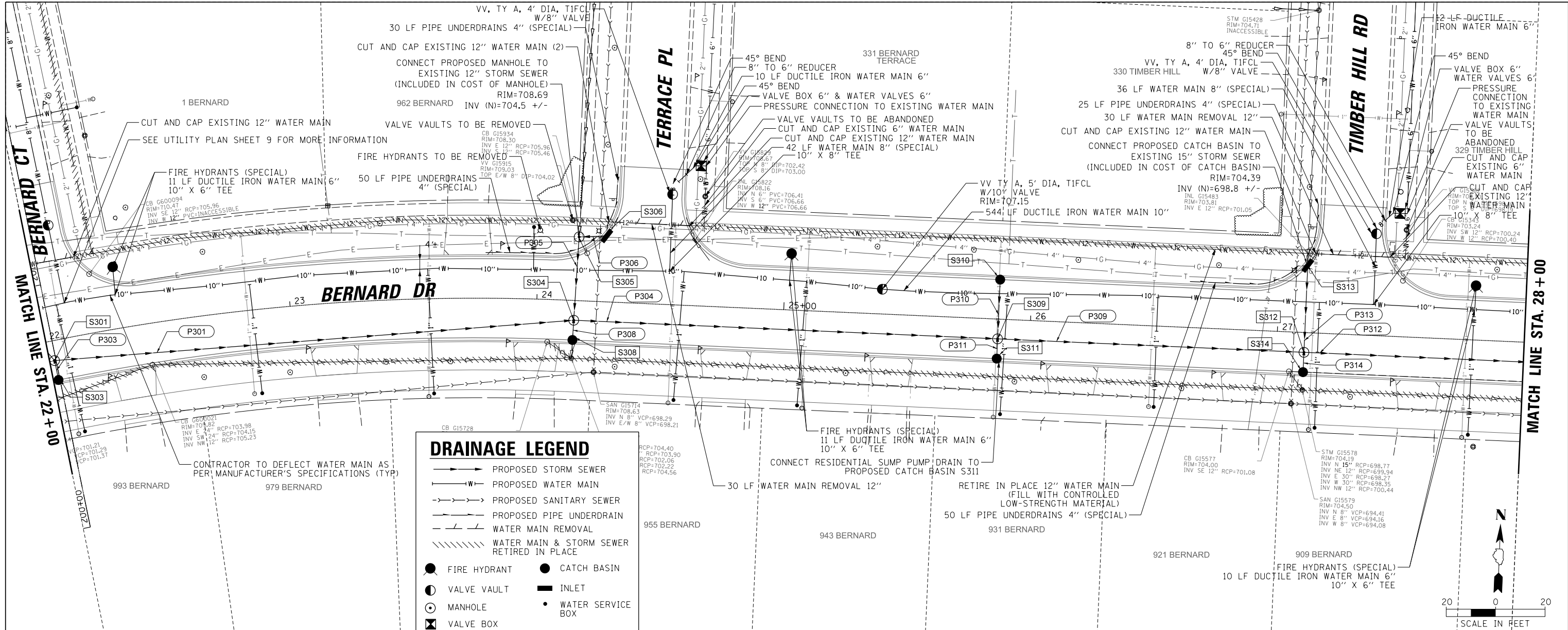


FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>BERNARD DRIVE</b> <b>UTILITY PLAN AND PROFILE</b>		MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - JAJ	REVISED -		1581	20-00108-02-R5	COOK	164	48		
		CHECKED - LMF	REVISED -		CONTRACT NO. 61K63						
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT						



PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	CHECKED	
	BY	
	DATE	

PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	CHECKED	
	BY	
	DATE	



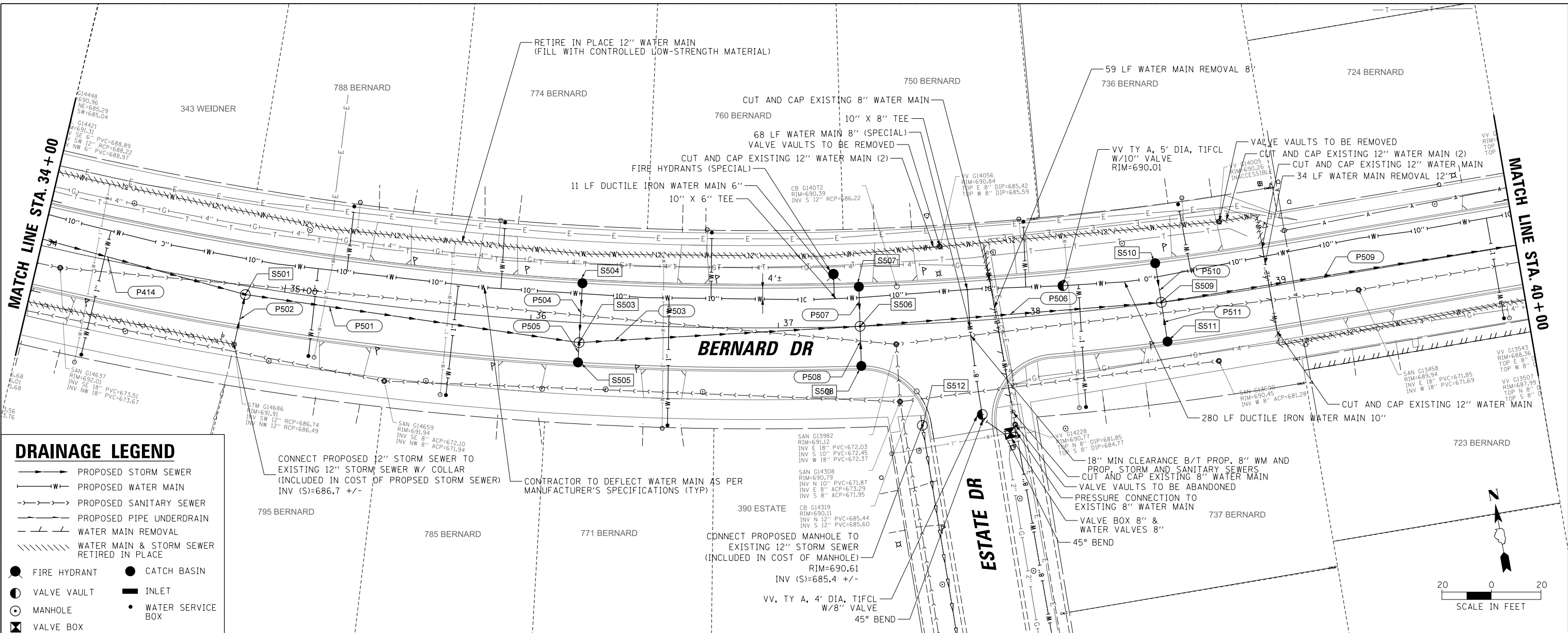
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Default		DRAWN - JAJ	REVISED -			1581	20-00108-02-R5	COOK	164	49	
		CHECKED - LMF	REVISED -			CONTRACT NO. 61K63					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

SCALE: 1:20 SHEET 3 OF 9 SHEETS STA. 22+00 TO STA. 28+00



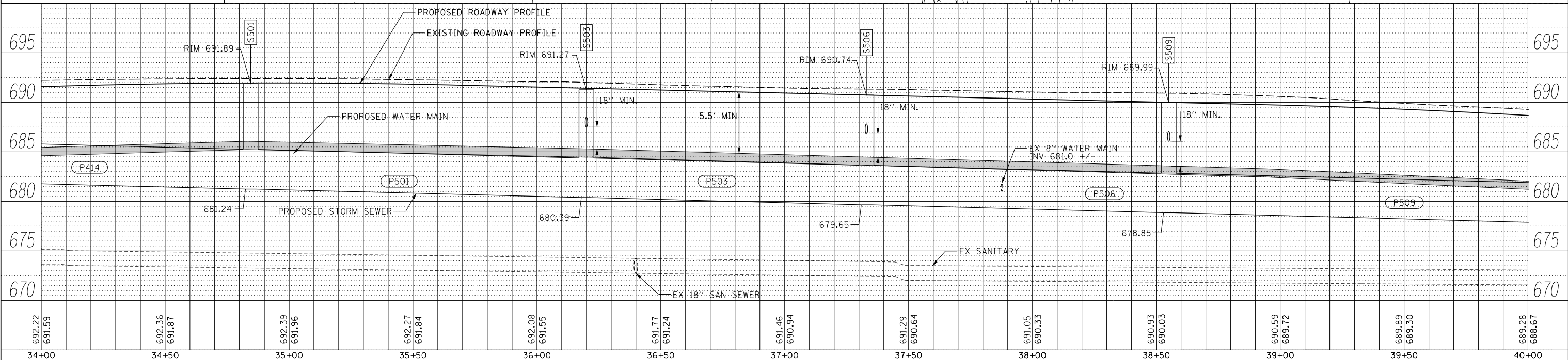
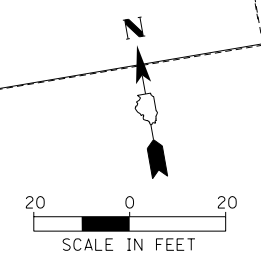
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	PLOTTED	
	CHECKED	
	ALIGNED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	GRADES	
	STRUCTURE	
	NOTATIONS	
	CHFD	
	NO.	



**DRAINAGE LEGEND**

- PROPOSED STORM SEWER
- W — PROPOSED WATER MAIN
- - - - PROPOSED SANITARY SEWER
- - - - PROPOSED PIPE UNDERDRAIN
- - - - WATER MAIN REMOVAL
- ////// WATER MAIN & STORM SEWER RETIRED IN PLACE
- FIRE HYDRANT
- CATCH BASIN
- VALVE VAULT
- INLET
- MANHOLE
- WATER SERVICE BOX
- ⊠ VALVE BOX



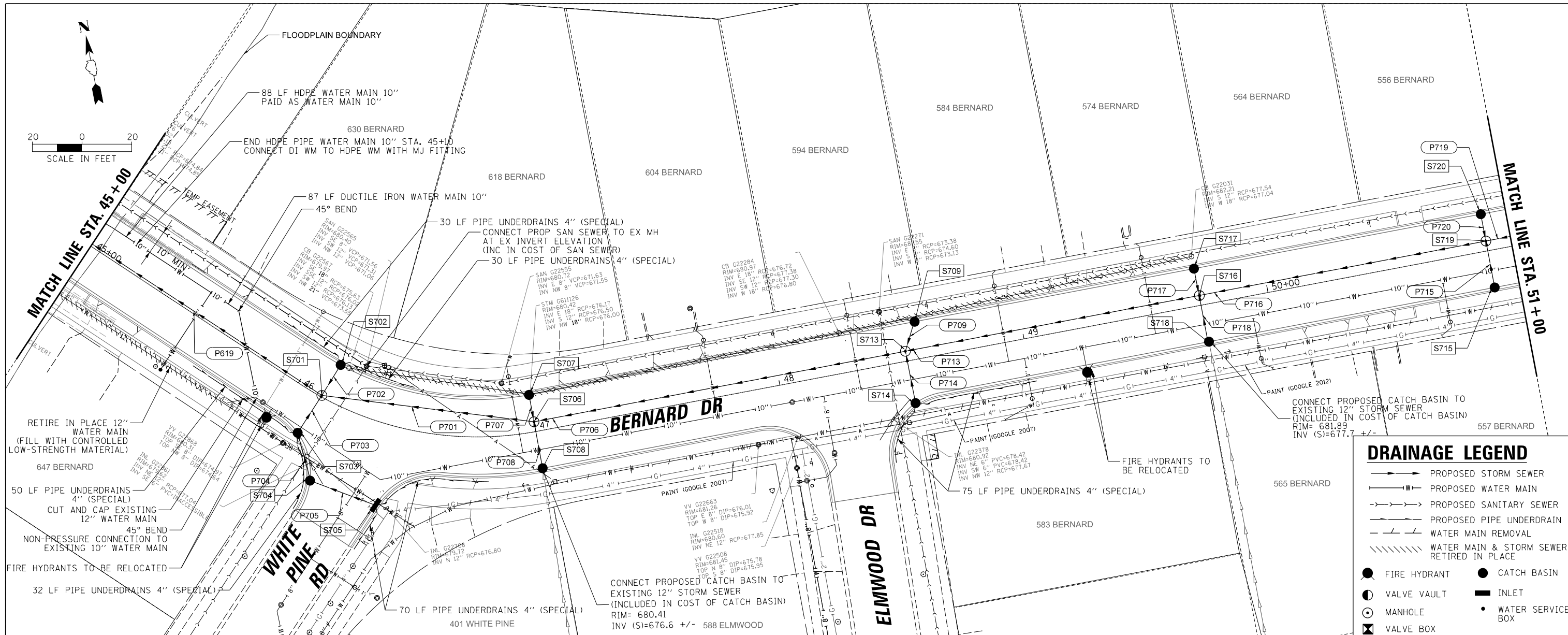
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Default		DRAWN - JAJ	REVISED -			1581	20-00108-02-R5	COOK	164	51	
		CHECKED - LMF	REVISED -			CONTRACT NO. 61K63					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

SCALE: 1:20 SHEET 5 OF 9 SHEETS STA. 34+00 TO STA. 40+00



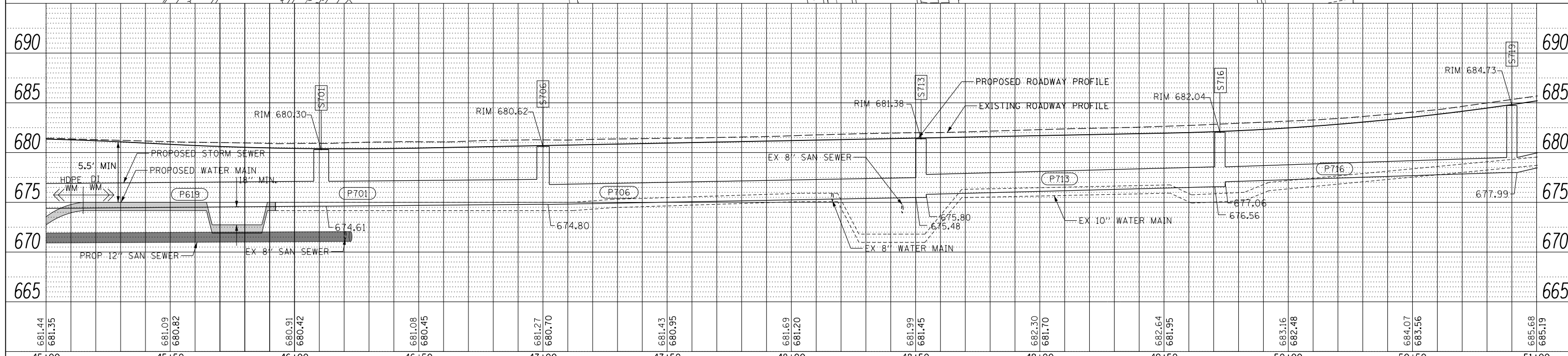
PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	



### DRAINAGE LEGEND

- PROPOSED STORM SEWER
- PROPOSED WATER MAIN
- PROPOSED SANITARY SEWER
- PROPOSED PIPE UNDERDRAIN
- WATER MAIN REMOVAL
- WATER MAIN & STORM SEWER RETIRED IN PLACE
- FIRE HYDRANT
- CATCH BASIN
- VALVE VAULT
- INLET
- MANHOLE
- WATER SERVICE BOX
- VALVE BOX

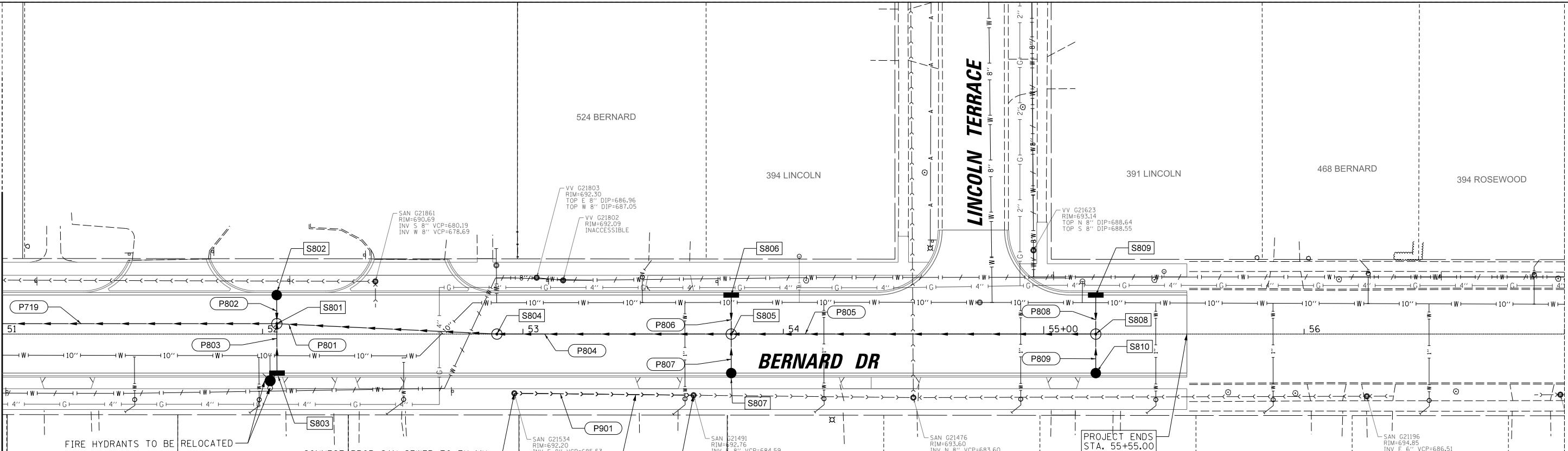


FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>BERNARD DRIVE</b> <b>UTILITY PLAN AND PROFILE</b>	MUN. RT. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\BuffaloGrove\200385_C2\Civil\1\01xxxxx-sh-C2_DPP_07.dgn	DRAWN - JAJ	REVISOR -	1581			20-00108-02-R5	COOK	164	53	
Default	PLOT SCALE = 28'	CHECKED - LMF	REVISOR -			CONTRACT NO. 61K63				
	PLOT DATE = 7/25/2024	DATE -	REVISOR -			ILLINOIS FED. AID PROJECT				

DATE	BY

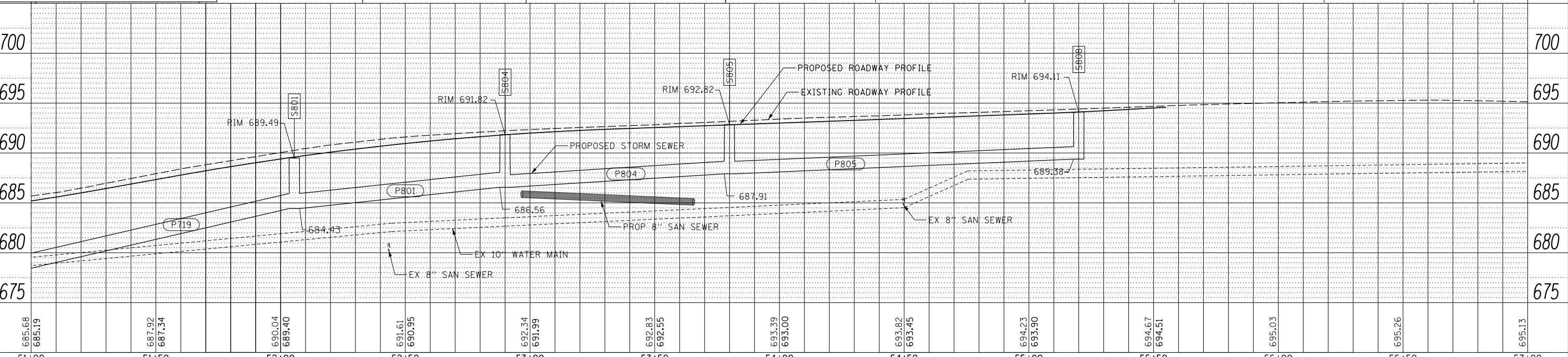
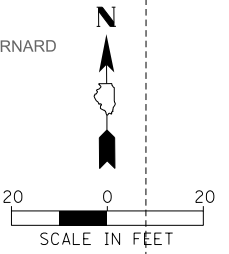
DATE	BY

MATCH LINE STA. 51+00



**DRAINAGE LEGEND**

- PROPOSED STORM SEWER
- W— PROPOSED WATER MAIN
- PROPOSED SANITARY SEWER
- - - - PROPOSED PIPE UNDERDRAIN
- / — WATER MAIN REMOVAL
- ////// WATER MAIN & STORM SEWER RETIRED IN PLACE
- FIRE HYDRANT
- VALVE VAULT
- MANHOLE
- ⊠ VALVE BOX
- CATCH BASIN
- INLET
- WATER SERVICE BOX



FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
Default	PLAT DATE = 7/25/2024	DRAWN - JAJ	REVISED -
		CHECKED - LMF	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BERNARD DRIVE  
UTILITY PLAN AND PROFILE**

SCALE: 1:20 SHEET 8 OF 9 SHEETS STA. 51+00 TO STA. 57+00

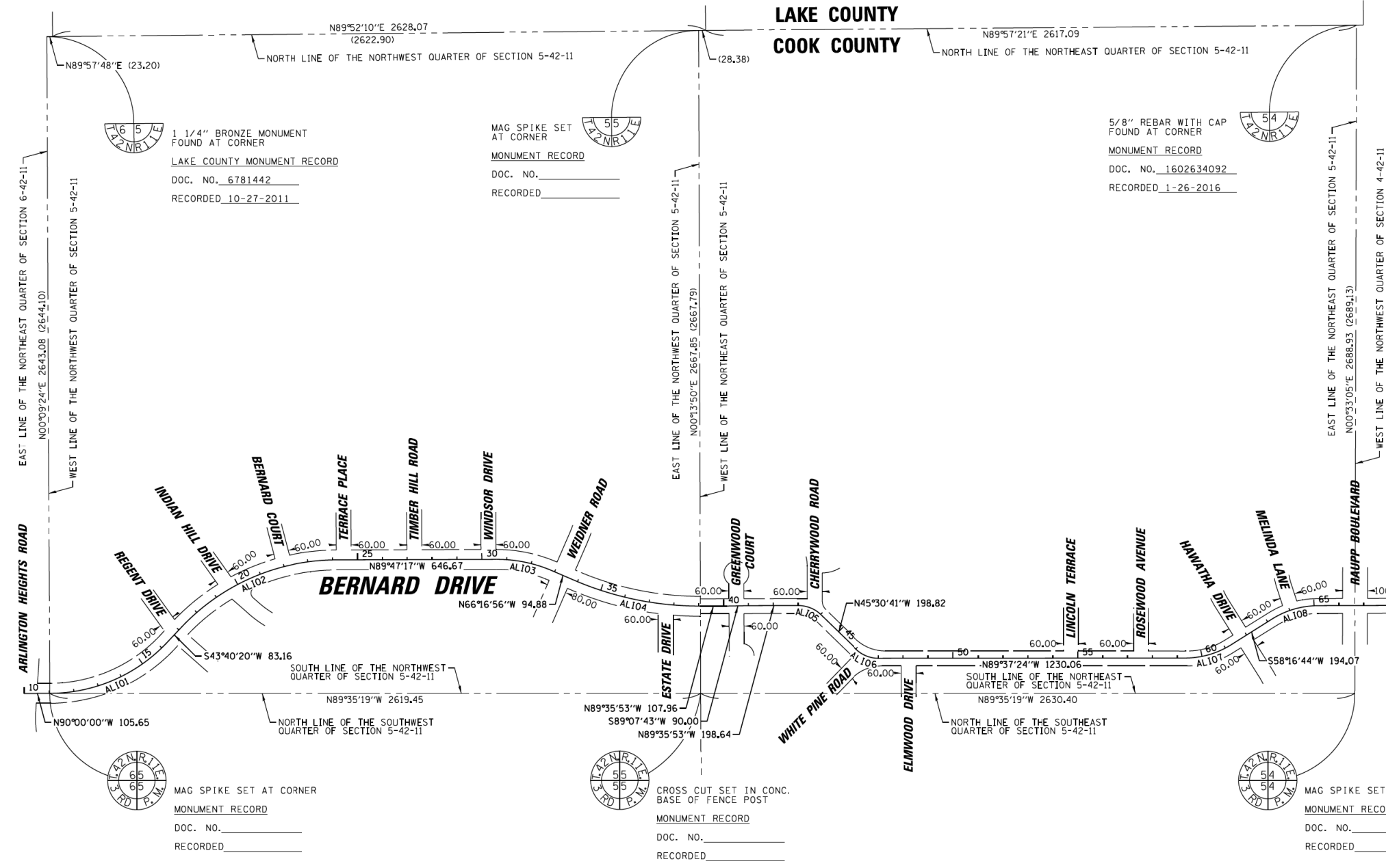
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	54
CONTRACT NO. 61K63			ILLINOIS FED. AID PROJECT	



PART OF THE NORTHEAST QUARTER OF SECTION 5, TWP. 42 N., R. 11 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

LEGEND

SECTION / QUARTER SECTION LINE  
 PLATTED LOT LINES  
 PROPERTY (DEED) LINE  
 APPARENT PROPERTY LINE  
 EXISTING CENTERLINE  
 PROPOSED CENTERLINE  
 EXISTING RIGHT OF WAY LINE  
 PROPOSED RIGHT OF WAY LINE  
 EXISTING EASEMENT  
 PROPOSED EASEMENT  
 EXISTING ACCESS CONTROL LINE  
 PROPOSED ACCESS CONTROL LINE  
 MEASURED DIMENSION  
 COMPUTED DIMENSION  
 RECORDED DIMENSION  
 EXISTING BUILDING  
 O IRON PIPE OR ROD FOUND    ● "MAG" NAIL SET  
 + CUT CROSS FOUND OR SET    ● 5/8" REBAR SET  
 ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.  
 ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.  
 ○ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)  
 □ RIGHT OF WAY STAKING PROPOSED TO BE SET



COORDINATE TABLE  
 ILLINOIS STATE PLANE COORDINATE SYSTEM,  
 EAST ZONE, NAD 83 (2011 ADJUSTMENT)

LOCATION	STATION	NORTHING	EASTING
STA. BEGIN	10+00.00	1996123.1110	1078592.5310
PT. AL101	11+05.65	1996123.1110	1078698.1792
SECTION	11+13.32	1996123.1562	1078705.8468
PT. AL101	16+31.22	1996324.2643	1079168.3245
PT. AL102	17+14.38	1996384.4150	1079225.7503
PT. AL102	24+12.93	1996650.5504	1079850.9702
PT. AL103	30+59.60	1996848.1581	1080437.6346
PT. AL103	32+89.34	1996600.8629	1080720.8135
PT. AL104	33+84.22	1996562.6995	1080807.6785
PT. ESTATE DRIVE	37+67.47	1996462.9745	1081176.2462
PT. AL104	39+05.10	1996494.6187	1081313.5571
SECTION	39+07.28	1996454.6035	1081315.7359
PT. AL105	40+13.07	1996453.8614	1081421.5166
PT. AL105	41+03.07	1996455.2301	1081511.5062
PT. GREENWOOD COURT	40+52.29	1996454.4579	1081460.7365
PT. AL105	43+01.71	1996453.8365	1081710.1417
PT. CHERRYWOOD ROAD	43+59.97	1996435.8643	1081775.1880
PT. AL105	44+01.74	1996416.5804	1081800.3295
PT. AL106	46+00.56	1996277.2538	1081942.1657
PT. WHITE PINE ROAD	46+41.50	1996253.5976	1081975.3711
PT. AL106	47+00.64	1996239.9973	1082032.4106
PT. ELMWOOD DRIVE	48+22.58	1996239.1955	1082154.3418
PT. LINCOLN TERRACE	58+12.90	1996234.9139	1082804.6478
PT. AL107	59+30.70	1996231.9090	1083262.4420
PT. AL107	61+26.78	1996284.1854	1083448.7684
PT. AL108	63+20.84	1996386.2233	1083613.8457
PT. AL108	65+16.18	1996438.5038	1083799.4292
STA. END	86+09.08	1996429.1833	1085892.3122

STATE OF ILLINOIS )  
 COUNTY OF COOK )

THIS IS TO CERTIFY THAT I, KENNETH J. RASMUSSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (I.C. CHRISTOPHER B. BURKE ENGINEERING, LTD., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184,001175-0014), HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 5, TOWNSHIP 42 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSEMONT, ILLINOIS THIS \_\_\_\_ DAY OF \_\_\_\_\_ 20\_\_ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3240  
 LICENSE EXPIRATION DATE: 11-30-2024

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

NOTE:  
 ALL DIMENSION ARE MEASURED UNLESS OTHERWISE SPECIFIED  
 BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".  
 ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.99995772073.  
 AREAS SHOWN ON THIS PLAT ARE "GROUND"

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

**PLAT OF HIGHWAYS**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
**BERNARD DRIVE**

LIMITS: 115' WEST OF GREENWOOD CT TO COUNTY: COOK  
 145' WEST OF LINCOLN TERRACE  
 SECTION: 20-00108-00-RS JOB NO.: R-55-001-97  
 STA. 10+00.00 TO STA. 86+09.08  
 SCALE: 1" = 250' SHEET 2 OF 4 SHEETS

BUREAU OF LAND ACQUISITION  
 201 WEST CENTER COURT  
 SCHAUMBURG, ILLINOIS 60196

PLAN

DATE	
BY	
SURVEYED	
PLOTTED	
CHECKED	
ALIGNED	
FILE NAME	
NO.	

PROFILE

DATE	
BY	
SURVEYED	
GRADES CHECKED	
STRUCTURE	
NOT AT THIS OFFICE	
NO.	

FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION BERNARD DRIVE PLAT OF HIGHWAYS	MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default		DRAWN - JAJ	REVISED -		1581	20-00108-02-R5	COOK	164	56	
		CHECKED - LMF	REVISED -		CONTRACT NO. 61K63					
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT					

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.



PART OF THE NORTHEAST QUARTER OF SECTION 5, TWP. 42 N., R. 11 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

LEGEND

SECTION CORNER 9 10 15 16 QUARTER SECTION CORNER

GRAPHIC SCALE FEET 30 SCALE: 1"= 30'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC EXISTING ACCESS CONTROL LINE
- AC PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- "MAG" NAIL SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET



PT#	STATION	OFFSET	NORTHING	EASTING
01	39+07.37	40.58 RT	996424.02	1081116.61
02	40+21.70	30.52 RT	996423.47	1081430.61
03	40+21.60	35.52 RT	996418.47	1081430.59
04	39+07.39	35.58 RT	996419.02	1081315.59
05	42+52.40	31.81 RT	996422.38	1081660.61
06	44+00.13	31.70 RT	996422.15	1081708.34
07	44+00.78	31.71 RT	996422.39	1081814.10
13	44+50.76	51.71 RT	996435.34	1081795.07
14	44+46.76	51.70 RT	996438.15	1081796.22
15	44+90.14	28.19 LT	996474.75	1081883.15
16	44+90.15	38.19 LT	996481.87	1081890.17
17	46+40.15	38.07 LT	996446.74	1081925.75
18	46+40.14	28.07 LT	996433.62	1081918.73

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
0001TE	0.198	N/A	N/A	0.198	TE= 0.013	575	03-05-216-001
0002TE	0.186	N/A	N/A	0.186	TE= 0.009	398	03-05-216-011
0003TE	0.187	N/A	N/A	0.187	TE= 0.002	80	03-05-216-051
0004TE	6.805	N/A	N/A	6.805	TE= 0.011	500	03-05-215-033

CURVE	RADIUS	DELTA	LENGTH	CHORD BEARING	CHORD LENGTH
CO1	(100.00)	44°03'37"	76.90 (77.38)	S68°10'48"E	75.02 (75.46)
CO1A	(100.00)	22°56'01"	40.03 (40.27)	S78°44'37"E	39.76 (40.00)
CO1B	(100.00)	21°07'36"	36.87	N56°42'48"W	36.66
CO1C	(100.00)	18°41'08"	32.61	S80°52'03"E	32.47
CO1D	(100.00)	04°14'53"	7.42	N69°24'03"W	7.41
CO2	95.00	18°41'53"	31.00	N80°52'26"W	30.87

**IDOT USE ONLY**

LIMITS: 115' WEST OF GREENWOOD CT TO COUNTY: COOK  
 145' WEST OF LINCOLN TERRACE  
 SECTION: 20-00108-00-RS JOB NO.: R-55-001-97  
 STA. 39+00 TO STA. 47+00  
 SCALE: 1"= 30' SHEET 3 OF 4 SHEETS

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

**PLAT OF HIGHWAYS**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 BERNARD DRIVE

BUREAU OF LAND ACQUISITION  
 201 WEST CENTER COURT  
 SCHAUMBURG, ILLINOIS 60196

PLAN

SURVEYED	DATE
PLOTTED	BY
CHECKED	BY
FILED	BY
FILE NAME	NO.

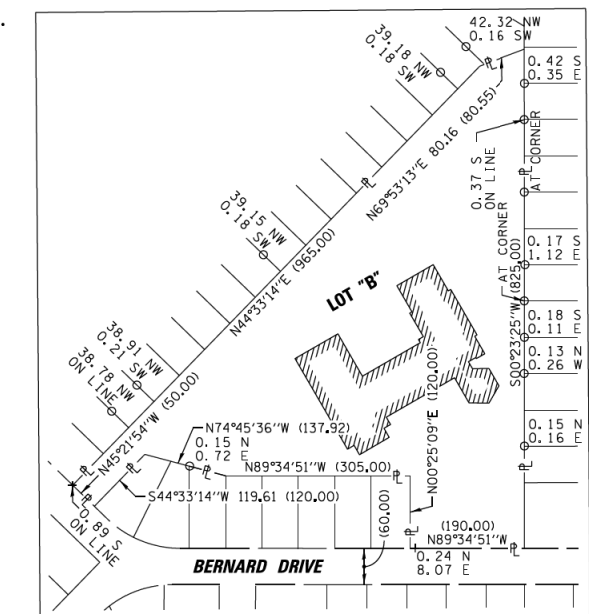
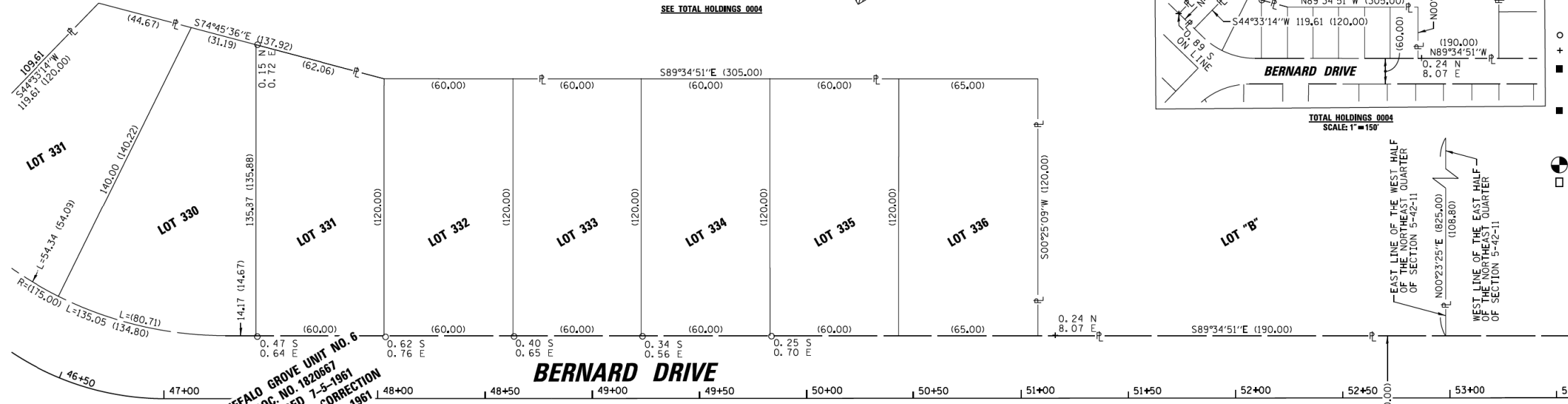
PROFILE

SURVEYED	DATE
PLOTTED	BY
CHECKED	BY
FILED	BY
FILE NAME	NO.

PART OF THE NORTHEAST QUARTER OF SECTION 5, TWP. 42 N., R. 11 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

PLAN	SURVEYED	DATE
NO.	BY	
NOTE BOOK	CHECKED	
NO.	ALIGNED	
	IN	
	FIELD	
	FILE NAME	

PROFILE	SURVEYED	DATE
NO.	BY	
NOTE BOOK	CHECKED	
NO.	GRADES	
	STRUCTURE	
	NOTATIS	
	CHKD	



**LEGEND**

SECTION CORNER: 9 10 15 16 15

QUARTER SECTION CORNER: 16 15

SECTION / QUARTER SECTION LINE

PLATTED LOT LINES

PROPERTY (DEED) LINE

APPL. APPARENT PROPERTY LINE

EXISTING CENTERLINE

PROPOSED CENTERLINE

EXISTING RIGHT OF WAY LINE

PROPOSED RIGHT OF WAY LINE

EXISTING EASEMENT

PROPOSED EASEMENT

EXISTING ACCESS CONTROL LINE

PROPOSED ACCESS CONTROL LINE

MEASURED DIMENSION

COMPUTED DIMENSION

RECORDED DIMENSION

EXISTING BUILDING

IRON PIPE OR ROD FOUND

CUT CROSS FOUND OR SET

"MAG" NAIL SET

5/8" REBAR SET

STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET

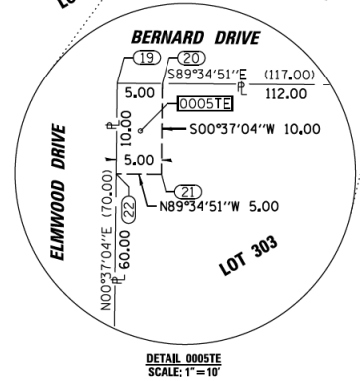
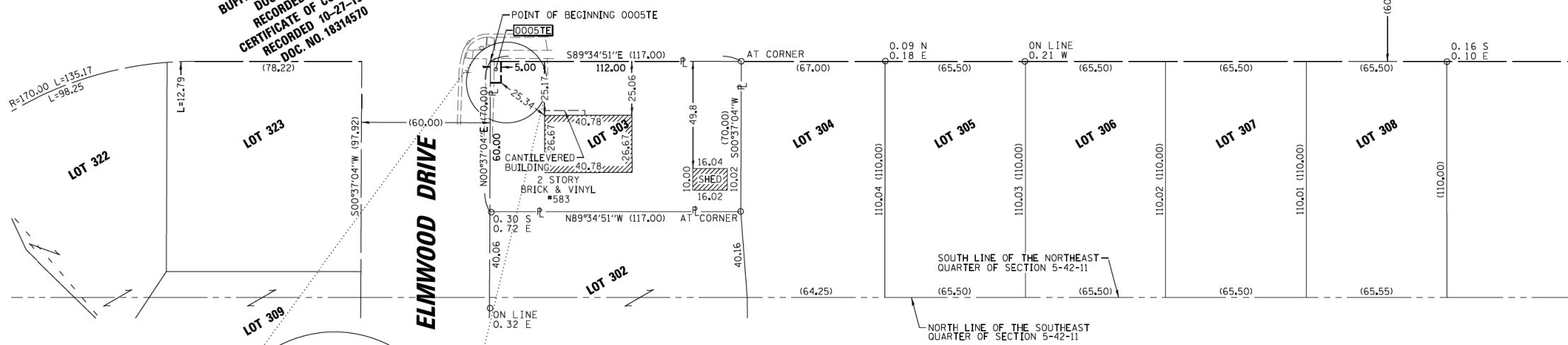
STATE OF ILLINOIS }  
COUNTY OF COOK }SS

THIS IS TO CERTIFY THAT I, KENNETH J. RASMUSSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CHRISTOPHER B. BURKE ENGINEERING, LTD., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184,001175-0014) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 5, TOWNSHIP 42 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSEMONT, ILLINOIS THIS \_\_\_ DAY OF \_\_\_ 20\_\_\_ A. D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3240  
LICENSE EXPIRATION DATE: 11-30-2024

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



**COORDINATE TABLE**  
ILLINOIS STATE PLANE COORDINATE SYSTEM,  
EAST ZONE, NAD 83 (2011 ADJUSTMENT)

PT#	STATION	OFFSET	NORTHING	EASTING
19	48+52.45	30.76 RT	1996208.24	1082184.01
20	48+57.45	30.77 RT	1996208.20	1082189.01
21	48+57.41	40.76 RT	1996198.20	1082188.90
22	48+52.41	40.76 RT	1996198.24	1082183.90

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
0005TE	0.188	N/A	N/A	0.188	TE= 0.001	50	03-05-403-026

**NOTE:**

ALL DIMENSION ARE MEASURED UNLESS OTHERWISE SPECIFIED

BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".

ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.99995772073.

AREAS SHOWN ON THIS PLAT ARE "GROUND"

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

**PLAT OF HIGHWAYS**  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**BERNARD DRIVE**

LIMITS: 115' WEST OF GREENWOOD CT TO COUNTY: COOK  
145' WEST OF LINCOLN TERRACE  
SECTION: 20-00108-00-RS JOB NO.: R-55-001-97  
STA. 39+00 TO STA. 47+00  
SCALE: 1"= 30' SHEET 4 OF 4 SHEETS

**BUREAU OF LAND ACQUISITION**  
**201 WEST CENTER COURT**  
**SCHAUMBURG, ILLINOIS 60196**

**IDOT USE ONLY**

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**BERNARD DRIVE**  
**PLAT OF HIGHWAYS**

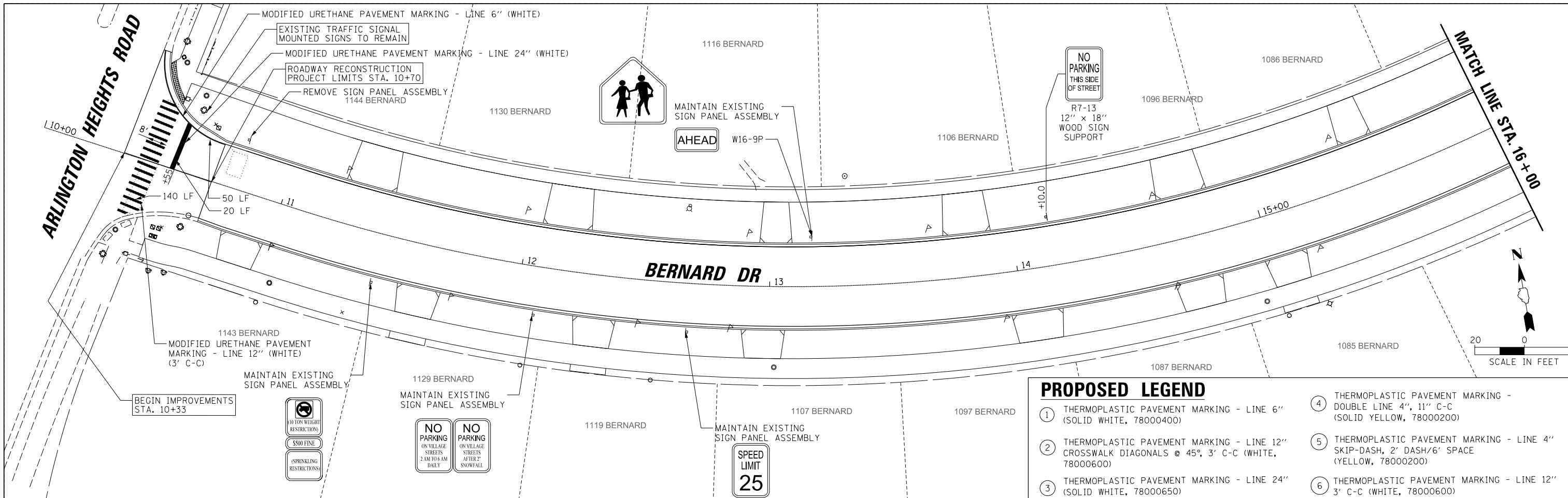
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Default	PLOT SCALE = 28'	CHECKED - LMF	REVISED -
	PLOT DATE = 7/10/2024	DATE -	REVISED -

SCALE:	SHEET 3 OF 3 SHEETS	STA. TO STA.
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MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	58
				CONTRACT NO. 61K63
ILLINOIS FED. AID PROJECT				

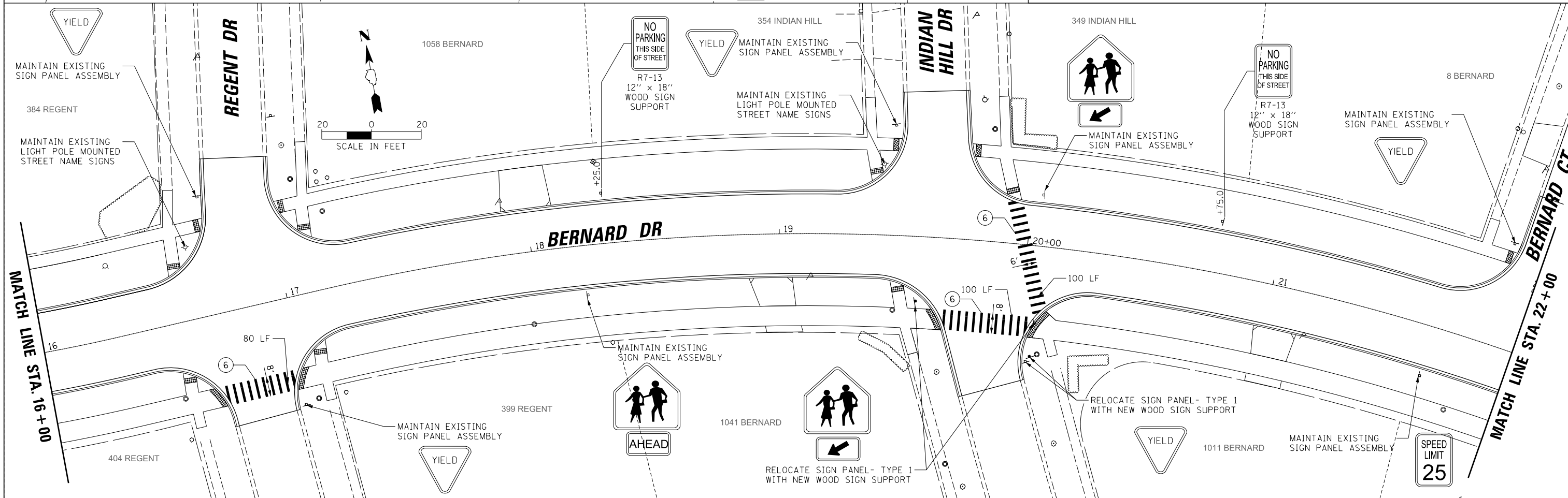
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	PLOTTED	BY
	CHECKED	
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PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
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	NO.	



**PROPOSED LEGEND**

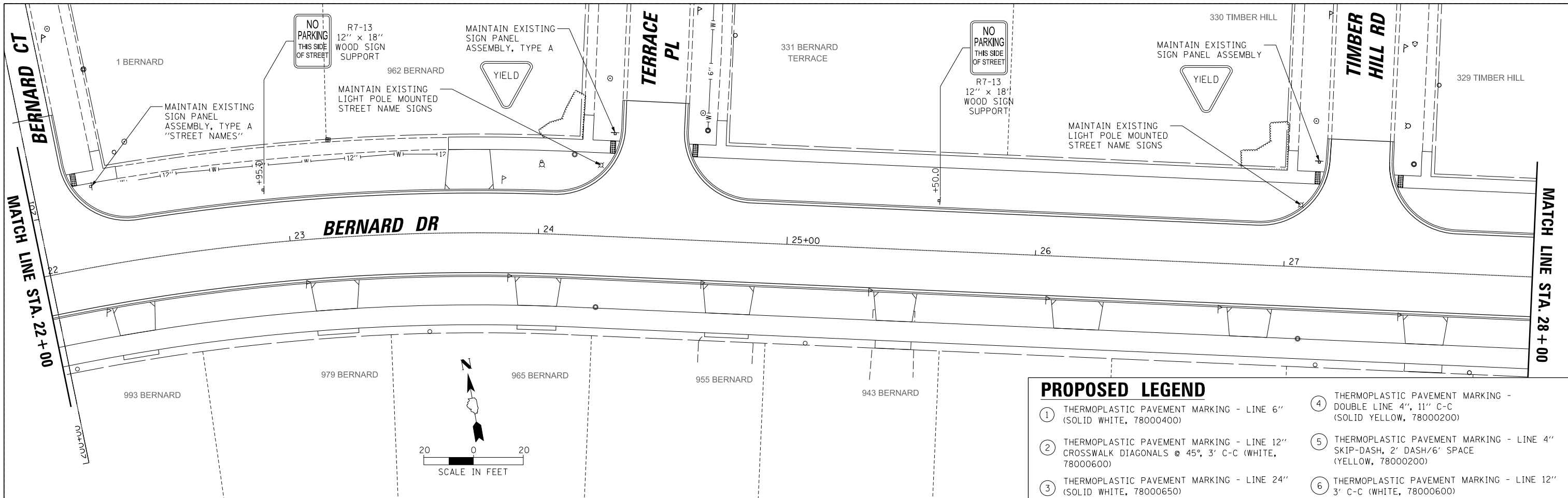
① THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE, 78000400)	④ THERMOPLASTIC PAVEMENT MARKING - DOUBLE LINE 4", 11" C-C (SOLID YELLOW, 78000200)
② THERMOPLASTIC PAVEMENT MARKING - LINE 12" CROSSWALK DIAGONALS @ 45°, 3' C-C (WHITE, 78000600)	⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 4" SKIP-DASH, 2' DASH/6' SPACE (YELLOW, 78000200)
③ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE, 78000650)	⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" 3' C-C (WHITE, 78000600)



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Default	PLOT SCALE = 28'	CHECKED - LMF	REVISED -		SCALE: 4:20	SHEET 1 OF 5 SHEETS	STA. 10+00.00 TO STA. 22+00.00	CONTRACT NO. 61K63				
	PLOT DATE = 7/10/2024	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

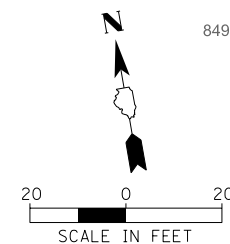
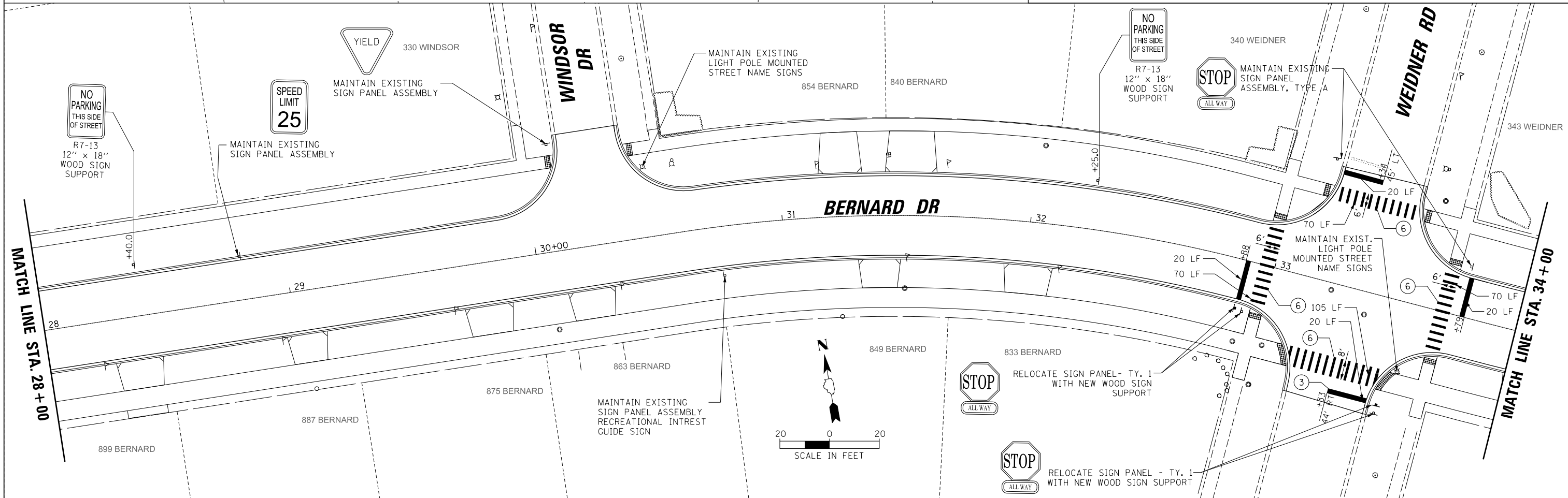
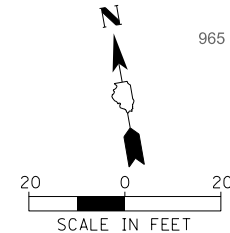
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	PLOTTED	BY
	CHECKED	
	ALIGNED	
	FILED	
	CAD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
	FILED	
	CAD FILE NAME	
	NO.	



**PROPOSED LEGEND**

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE, 78000400)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 12" CROSSWALK DIAGONALS @ 45°, 3' C-C (WHITE, 78000600)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE, 78000650)
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- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" 3' C-C (WHITE, 78000600)



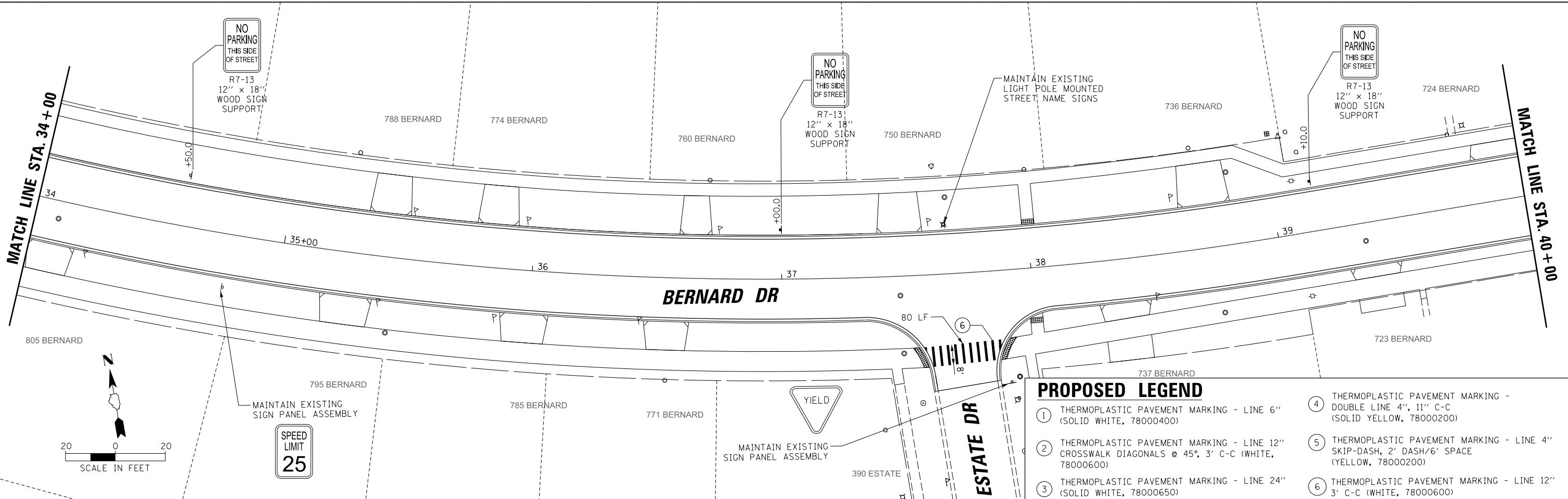
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Default		CHECKED - LMF	REVISED -
		DATE -	REVISED -
	PLOT SCALE = 28'		
	PLOT DATE = 7/10/2024		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BERNARD DRIVE PAVEMENT MARKING AND SIGNING PLAN</b>	
SCALE: 20	SHEET 2 OF 5 SHEETS
STA. 22+00.00 TO STA. 34+00.00	

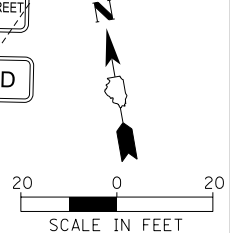
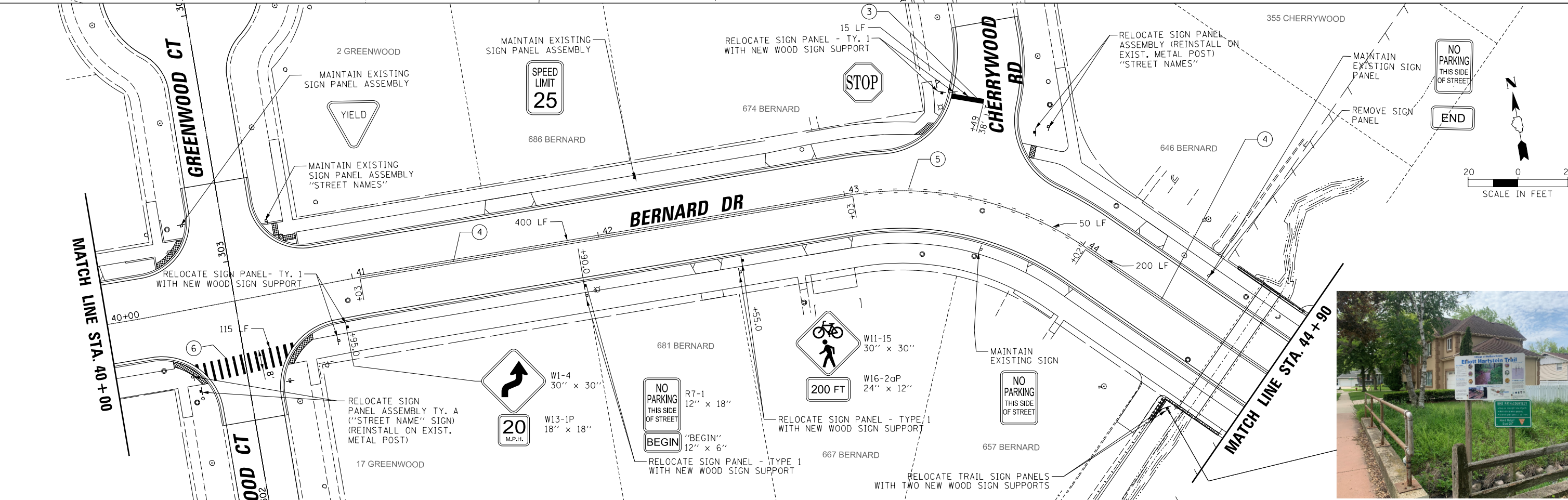
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	60
CONTRACT NO. 61K63				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	CHECKED	
	DATE	
	FILE NAME	



- ### PROPOSED LEGEND
- (1) THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE, 78000400)
  - (2) THERMOPLASTIC PAVEMENT MARKING - LINE 12" CROSSWALK DIAGONALS @ 45°, 3' C-C (WHITE, 78000600)
  - (3) THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE, 78000650)
  - (4) THERMOPLASTIC PAVEMENT MARKING - DOUBLE LINE 4", 11" C-C (SOLID YELLOW, 78000200)
  - (5) THERMOPLASTIC PAVEMENT MARKING - LINE 4" SKIP-DASH, 2' DASH/6' SPACE (YELLOW, 78000200)
  - (6) THERMOPLASTIC PAVEMENT MARKING - LINE 12" 3' C-C (WHITE, 78000600)

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	GRADES CHECKED	BY
	STRUCTURE	
	NOT AT THIS OFFICE	



FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
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Default	PLOT DATE = 7/10/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

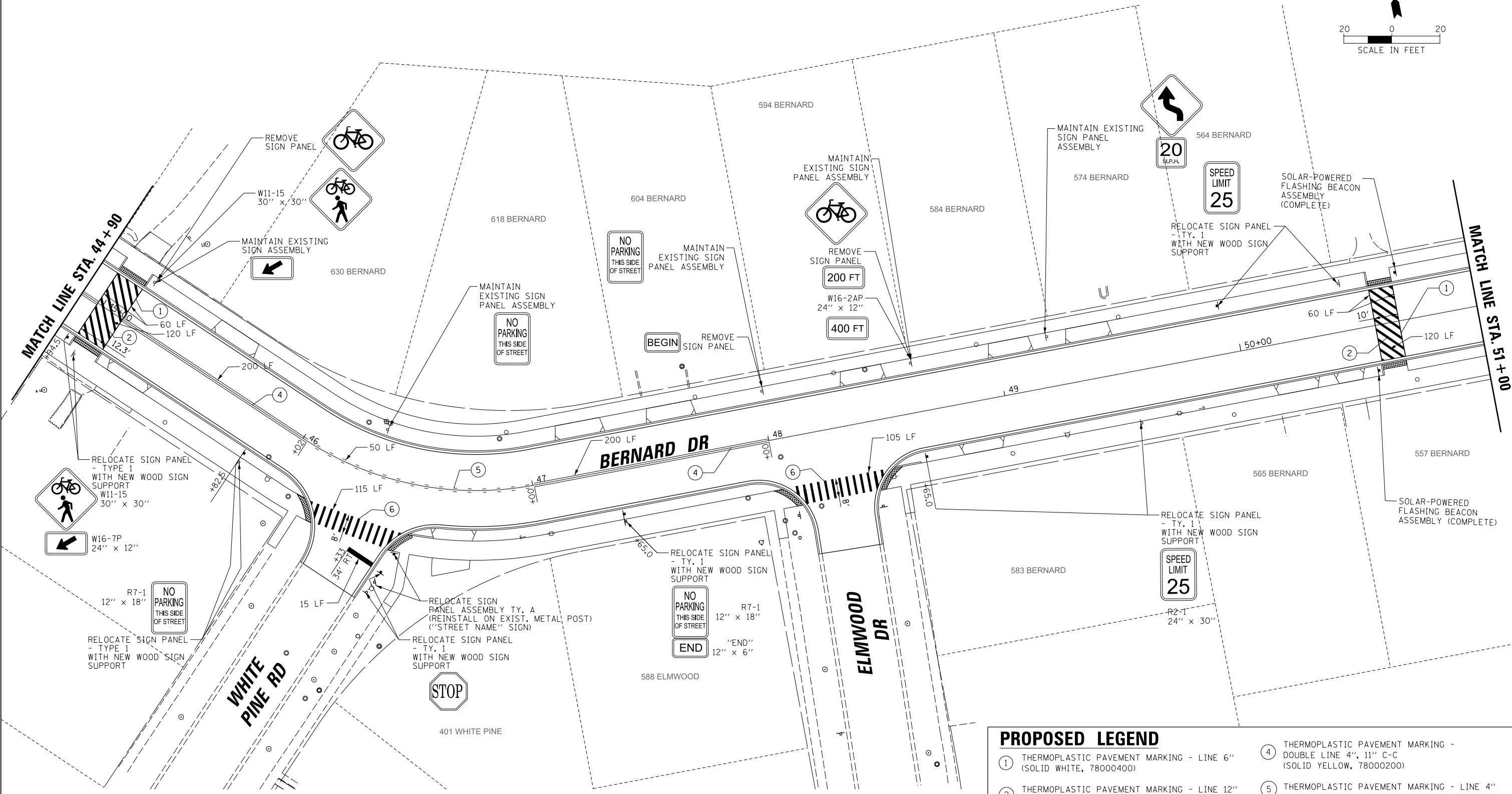
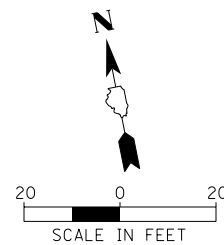
**BERNARD DRIVE  
PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 1"=20' SHEET 3 OF 5 SHEETS STA. 34+00.00 TO STA. 44+90.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	61
CONTRACT NO. 61K63				ILLINOIS FED. AID PROJECT

PLAN	SURVEYED	DATE
	PLOTTED	
	NOTED	
	CHECKED	
	BY	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTED	
	CHECKED	
	BY	
	FILE NAME	



PROPOSED LEGEND	
① THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE, 78000400)	④ THERMOPLASTIC PAVEMENT MARKING - DOUBLE LINE 4", 11" C-C (SOLID YELLOW, 78000200)
② THERMOPLASTIC PAVEMENT MARKING - LINE 12" CROSSWALK DIAGONALS @ 45°, 3' C-C (WHITE, 78000600)	⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 4" SKIP-DASH, 2' DASH/6' SPACE (YELLOW, 78000200)
③ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE, 78000650)	⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" 3' C-C (WHITE, 78000600)

FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
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Default		CHECKED - LMF	REVISED -
	PLOT DATE = 7/10/2024	DATE -	REVISED -

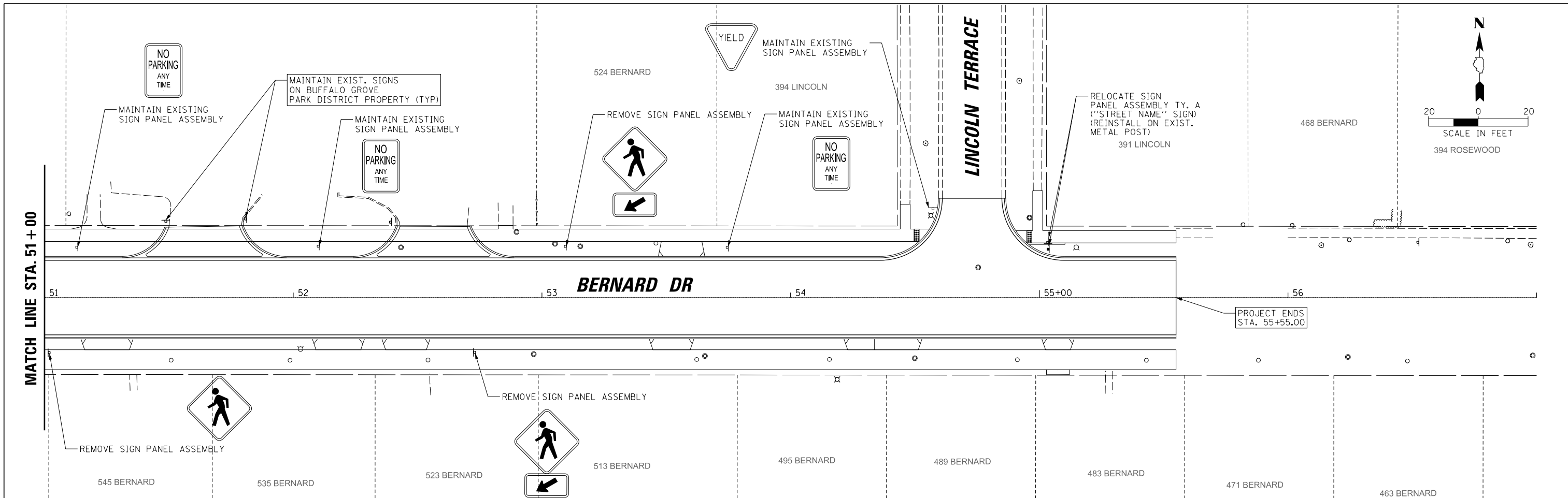
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BERNARD DRIVE PAVEMENT MARKING AND SIGNING PLAN</b>	
SCALE: 1/2" = 1'	SHEET 4 OF 5 SHEETS
STA. 44+90.00	TO STA. 51+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	62
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61K63	

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	



**PROPOSED LEGEND**

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE, 78000400)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 12" CROSSWALK DIAGONALS @ 45°, 3' C-C (WHITE, 78000600)
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- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" 3' C-C (WHITE, 78000600)

FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
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Default		CHECKED - LMF	REVISED -
	PLOT DATE = 7/10/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

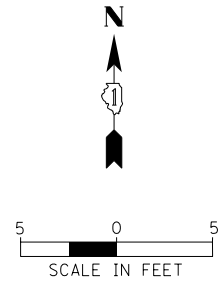
**BERNARD DRIVE  
PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 1"=20'    SHEET 5 OF 5 SHEETS    STA. 51+00.00 TO STA. 57+00.00

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	63
			CONTRACT NO. 61K63	
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	CHECKED	
	ALIGNMENT	
	STRUCTURE	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	GRADES CHECKED	BY
	STRUCTURE	
	NOT AT THIS OFFICE	



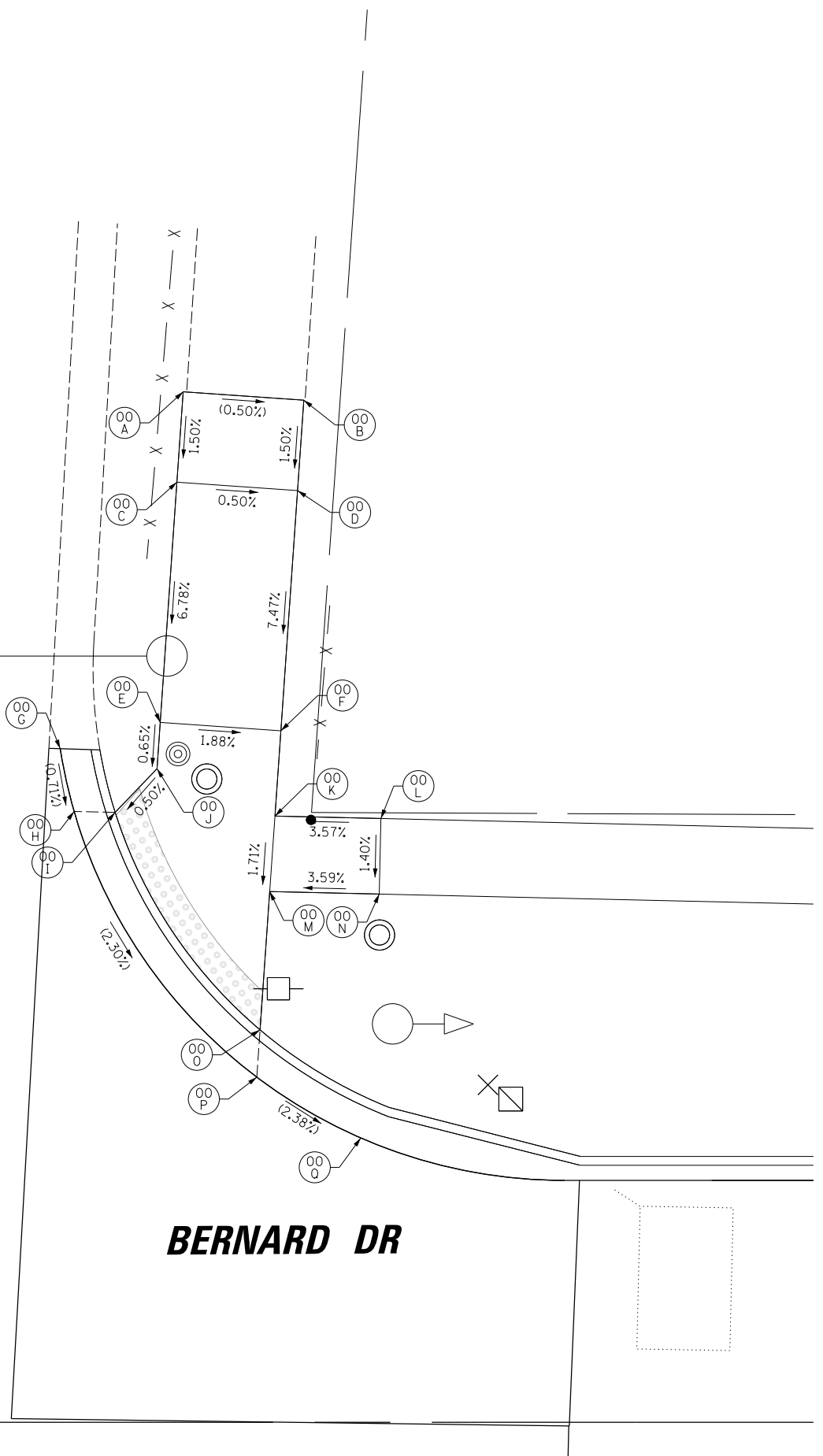
POINT	STATION	OFFSET	PRELEV
00-A	10+45.05	68.17' LT	(727.54)
00-B	10+53.03	67.62' LT	(727.50)
00-C	10+44.64	62.19' LT	727.45
00-D	10+52.62	61.63' LT	727.41
00-E	10+43.53	46.30' LT	726.37
00-F	10+51.51	45.74' LT	726.22
00-G	10+36.92	44.56' LT	(726.40)
00-H	10+37.84	40.41' LT	726.37
00-I	10+40.55	40.34' LT	726.33
00-J	10+43.32	43.23' LT	726.35
00-K	10+51.12	40.10' LT	726.12
00-L	10+58.13	39.94' LT	726.37
00-M	10+50.77	35.11' LT	726.04
00-N	10+58.02	34.94' LT	726.30
00-O	10+50.14	25.96' LT	725.88
00-P	10+49.92	22.83' LT	725.88
00-Q	10+56.80	18.81' LT	725.69

(XXX.XX) = EXISTING ELEVATION

10+00

**ARLINGTON HEIGHTS RD**

**BERNARD DR**



FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
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Default	PLOT SCALE = 5'	CHECKED - LMF	REVISED -
	PLOT DATE = 7/10/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

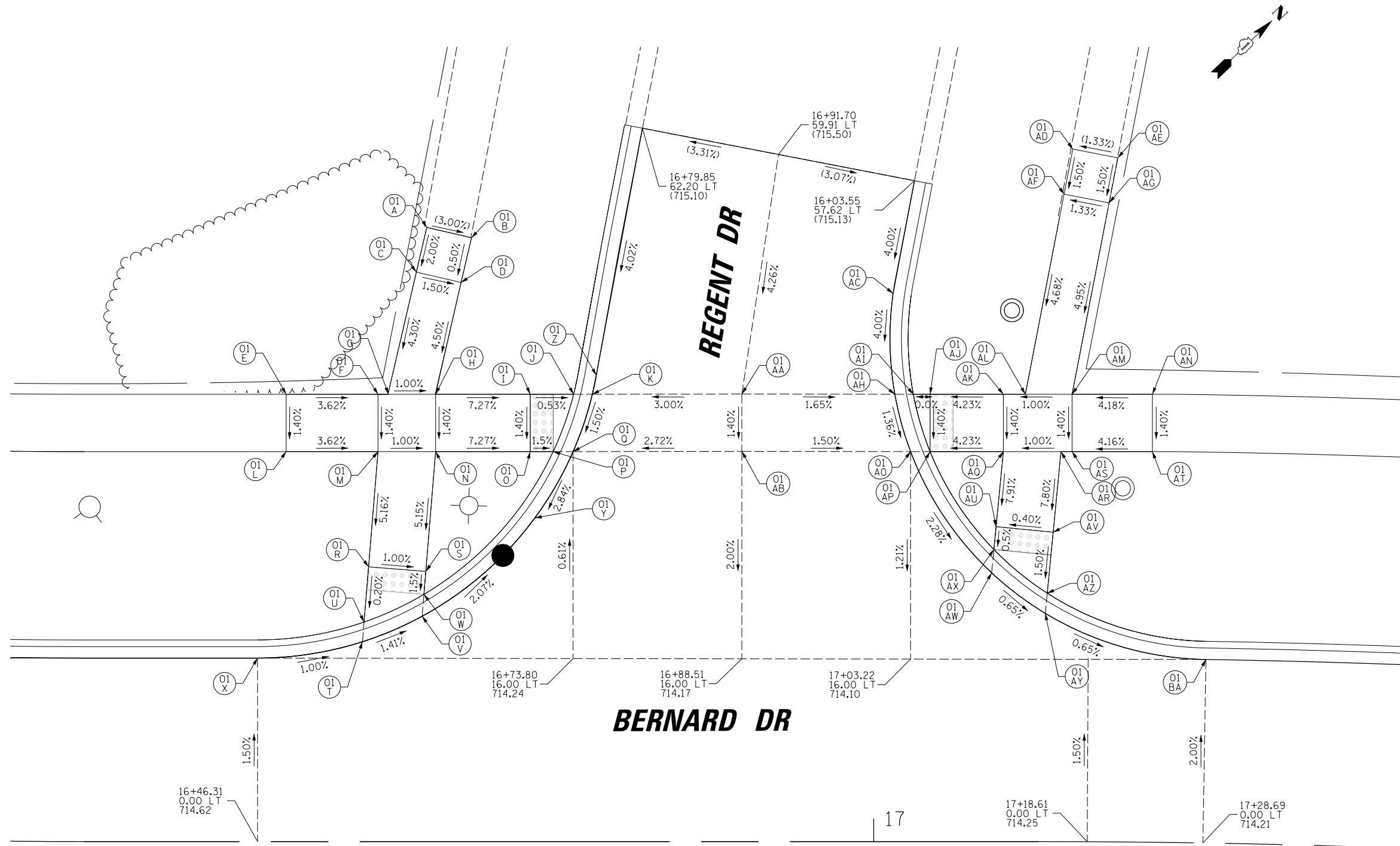
<b>BERNARD DRIVE ADA RAMP DETAILS</b>	
SCALE:	SHEET 1 OF 19 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	64
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61K63	



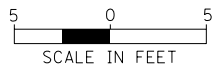
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	FILE NAME	
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PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	AT	
	FILE NAME	
	NO.	



POINT	STATION	OFFSET	PR ELEV
O1-A	16+61.05	53.55' LT	(715.42)
O1-B	16+64.95	52.65' LT	(715.30)
O1-C	16+60.15	49.66' LT	715.34
O1-D	16+64.04	48.75' LT	715.28
O1-E	16+48.81	39.00' LT	(715.17)
O1-F	16+56.81	39.00' LT	714.88
O1-G	16+57.68	39.00' LT	714.87
O1-H	16+61.82	39.00' LT	714.83
O1-I	16+70.07	39.00' LT	714.23
O1-J	16+73.85	39.00' LT	714.21
O1-K	16+75.48	39.00' LT	714.21
O1-L	16+48.81	34.00' LT	715.10
O1-M	16+56.81	34.00' LT	714.81
O1-N	16+61.82	34.00' LT	714.76
O1-O	16+70.07	34.00' LT	714.16
O1-P	16+72.07	34.00' LT	714.13
O1-Q	16+73.80	34.00' LT	714.13
O1-R	16+55.99	23.96' LT	714.29
O1-S	16+60.97	23.55' LT	714.22
O1-T	16+55.45	17.43' LT	714.29
O1-U	16+55.59	19.14' LT	714.28
O1-V	16+60.65	19.65' LT	714.21
O1-W	16+60.81	21.56' LT	714.19
O1-X	16+46.31	16.00' LT	714.38
O1-Y	16+70.47	28.21' LT	713.94
O1-Z	16+75.83	40.66' LT	714.22
O1-AA	16+88.51	39.02' LT	714.60
O1-AB	16+88.51	34.03' LT	714.53
O1-AC	17+01.69	47.79' LT	714.73
O1-AD	17+17.15	60.38' LT	(715.55)
O1-AE	17+20.83	59.64' LT	(715.60)
O1-AF	17+16.45	56.45' LT	715.49
O1-AG	17+20.14	55.71' LT	715.54
O1-AH	17+01.84	39.01' LT	714.38
O1-AI	17+03.45	39.00' LT	714.37
O1-AJ	17+04.92	39.00' LT	714.37
O1-AK	17+11.30	39.00' LT	714.64
O1-AL	17+13.21	39.00' LT	714.66
O1-AM	17+17.16	39.00' LT	714.70
O1-AN	17+23.86	39.05' LT	(714.98)
O1-AO	17+03.21	34.03' LT	714.31
O1-AP	17+04.92	34.00' LT	714.30
O1-AQ	17+11.30	34.00' LT	714.57
O1-AR	17+16.25	34.00' LT	714.62
O1-AS	17+17.18	34.00' LT	714.63
O1-AT	17+23.91	34.05' LT	714.91
O1-AU	17+10.66	27.46' LT	714.05
O1-AV	17+15.60	26.98' LT	714.07
O1-AW	17+10.27	23.44' LT	714.02
O1-AX	17+10.47	25.47' LT	714.04
O1-AY	17+14.94	19.90' LT	713.98
O1-AZ	17+15.11	21.66' LT	713.99
O1-BA	17+28.69	16.00' LT	713.89

(XXX.XX) = EXISTING ELEVATION



FILE NAME -	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
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	PLOT DATE = 7/10/2024	DATE -	REVISED -

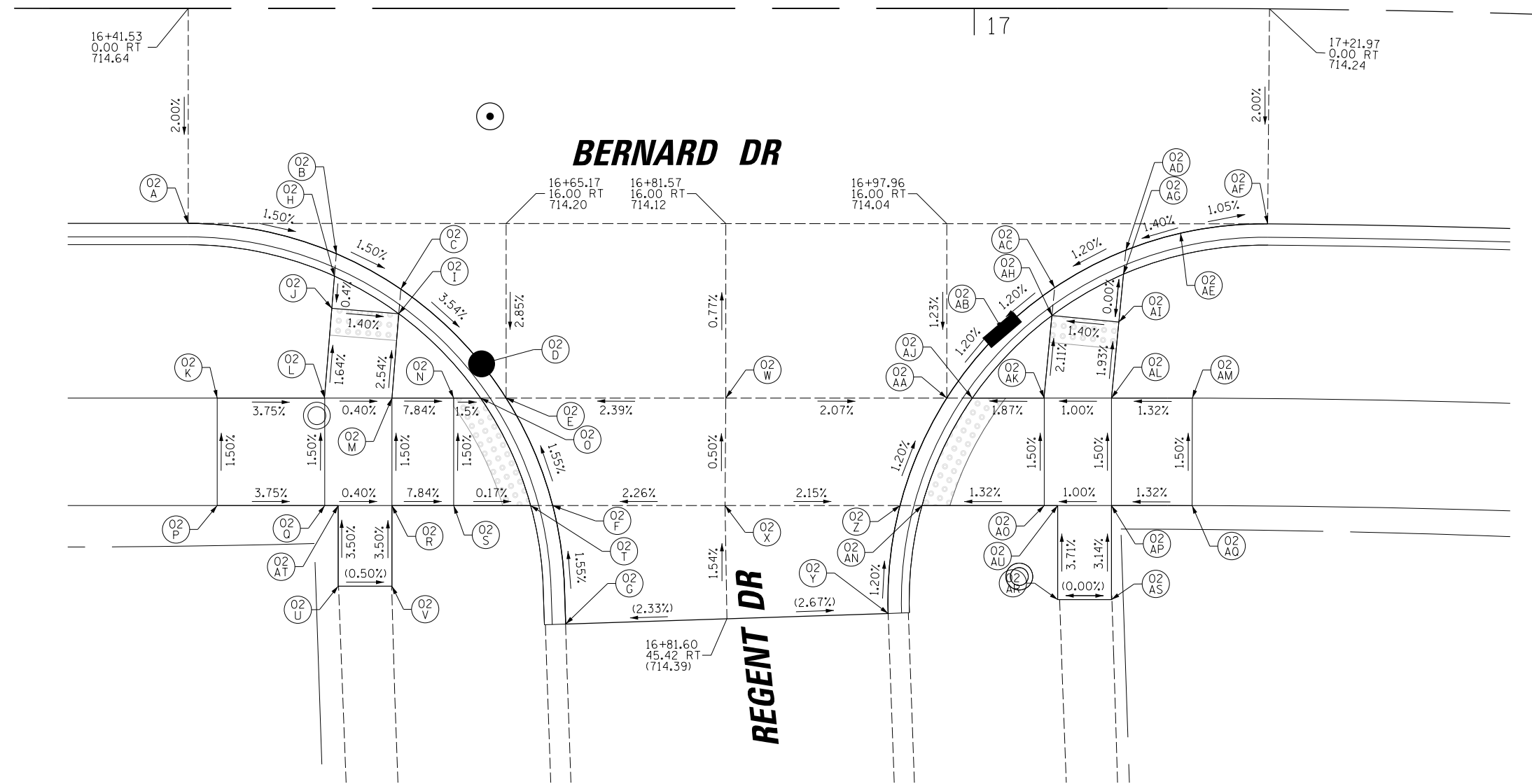
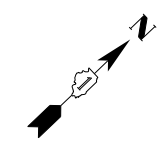
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BERNARD DRIVE ADA RAMP DETAILS</b>	
SCALE:	SHEET 2 OF 19 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	65
CONTRACT NO. 61K63				
ILLINOIS FED. AID PROJECT				

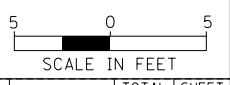
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NOTE BOOK	PLOTTED	BY
NO.	CHECKED	
	AT	
	FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
NO.	STRUCTURE	
	NOT AT THIS OFFICE	



POINT	STATION	OFFSET	PR ELEV
O2-A	16+41.53	16.00' RT	714.32
O2-B	16+52.54	18.26' RT	714.15
O2-C	16+57.34	20.89' RT	714.07
O2-D	16+63.35	26.45' RT	713.78
O2-E	16+65.17	29.00' RT	713.83
O2-F	16+68.64	37.00' RT	713.97
O2-G	16+69.60	45.82' RT	(714.11)
O2-H	16+52.40	19.92' RT	714.14
O2-I	16+57.19	22.73' RT	714.06
O2-J	16+52.21	22.32' RT	714.13
O2-K	16+43.68	29.00' RT	714.54
O2-L	16+51.66	29.00' RT	714.24
O2-M	16+56.68	29.00' RT	714.22
O2-N	16+61.27	29.00' RT	713.86
O2-O	16+63.27	29.00' RT	713.83
O2-P	16+43.68	37.00' RT	(714.66)
O2-Q	16+51.68	37.00' RT	714.36
O2-R	16+56.68	37.00' RT	714.34
O2-S	16+61.27	37.00' RT	713.98
O2-T	16+67.00	37.00' RT	713.97
O2-U	16+52.68	43.00' RT	(714.57)
O2-V	16+56.68	43.00' RT	(714.55)
O2-W	16+81.52	29.00' RT	714.22
O2-X	16+81.46	37.00' RT	714.26
O2-Y	16+93.60	45.03' RT	(714.07)
O2-Z	16+94.48	37.00' RT	713.98
O2-AA	16+97.96	29.00' RT	713.88
O2-AB	17+02.10	23.92' RT	713.80
O2-AC	17+05.98	20.78' RT	713.86
O2-AD	17+11.28	18.00' RT	713.93
O2-AE	17+15.37	16.73' RT	713.99
O2-AF	17+21.97	16.00' RT	713.92
O2-AG	17+11.10	19.78' RT	713.92
O2-AH	17+05.78	22.86' RT	713.85
O2-AI	17+10.76	23.34' RT	713.92
O2-AJ	16+99.86	29.00' RT	713.88
O2-AK	17+05.21	29.00' RT	713.98
O2-AL	17+10.21	29.00' RT	714.03
O2-AM	17+16.29	29.00' RT	714.11
O2-AN	16+96.12	37.00' RT	713.98
O2-AO	17+05.21	37.00' RT	714.10
O2-AP	17+10.21	37.00' RT	714.15
O2-AQ	17+16.29	37.00' RT	(714.23)
O2-AR	17+06.21	44.00' RT	(714.37)
O2-AS	17+10.21	44.00' RT	(714.37)
O2-AT	16+52.68	37.00' RT	714.36
O2-AU	17+06.21	37.00' RT	714.11

(XXX.XX) = EXISTING ELEVATION



FILE NAME -	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
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Default	PLOT SCALE = 5'	CHECKED - LMF	REVISED -
	PLOT DATE = 7/10/2024	DATE -	REVISED -

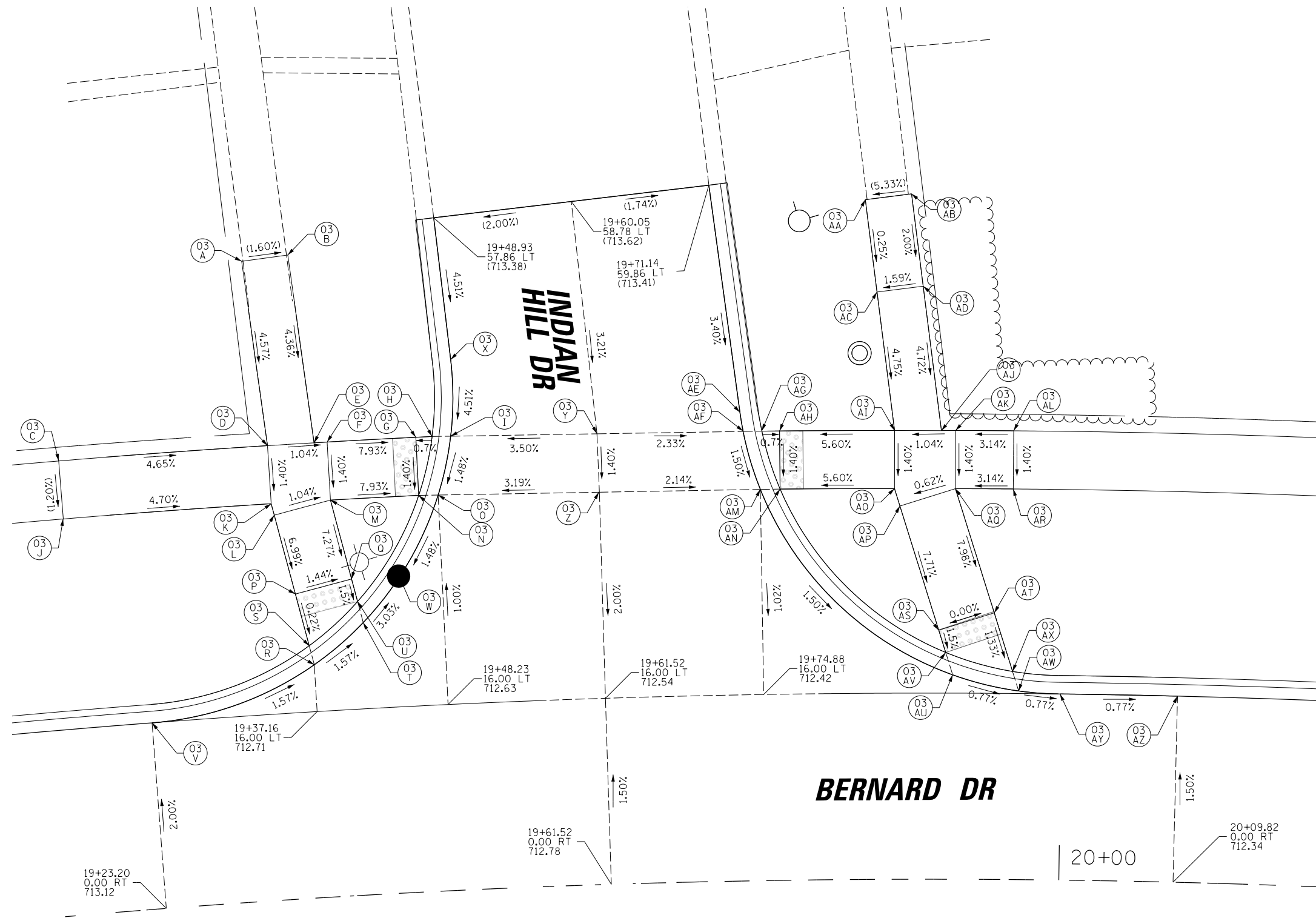
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

<b>BERNARD DRIVE ADA RAMP DETAILS</b>	
SCALE:	SHEET 3 OF 19 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	66
CONTRACT NO. 61K63				
ILLINOIS FED. AID PROJECT				

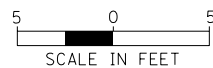
PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	BY
	STRUCTURE	
	NOT AT THIS OFFICE	
	NO.	



POINT	STATION	OFFSET	PR ELEV
03-A	19+33.27	55.03' LT	(713.88)
03-B	19+37.01	55.33' LT	(713.82)
03-C	19+17.19	39.09' LT	(713.95)
03-D	19+34.40	39.08' LT	713.15
03-E	19+38.24	39.08' LT	713.11
03-F	19+39.31	39.08' LT	713.10
03-G	19+46.62	39.08' LT	712.52
03-H	19+47.96	39.08' LT	712.53
03-I	19+49.49	39.03' LT	712.53
03-J	19+17.17	34.09' LT	(713.89)
03-K	19+34.40	34.08' LT	713.08
03-L	19+34.60	33.08' LT	713.08
03-M	19+39.31	34.08' LT	713.03
03-N	19+46.62	34.08' LT	712.45
03-O	19+48.23	34.03' LT	712.45
03-P	19+35.94	26.20' LT	712.59
03-Q	19+40.69	27.20' LT	712.52
03-R	19+37.16	20.03' LT	712.58
03-S	19+36.83	21.69' LT	712.58
03-T	19+41.46	23.41' LT	712.49
03-U	19+41.09	25.25' LT	712.49
03-V	19+23.20	16.00' LT	712.80
03-W	19+44.68	27.16' LT	712.34
03-X	19+49.77	45.61' LT	712.83
03-Y	19+61.52	38.76' LT	712.97
03-Z	19+61.52	33.72' LT	712.90
03-AA	19+83.72	58.43' LT	(713.78)
03-AB	19+87.44	58.92' LT	(713.98)
03-AC	19+84.62	50.49' LT	713.76
03-AD	19+88.37	50.98' LT	713.82
03-AE	19+73.32	40.27' LT	712.74
03-AF	19+73.55	38.64' LT	712.68
03-AG	19+75.09	38.64' LT	712.67
03-AH	19+76.55	38.63' LT	712.66
03-AI	19+86.01	38.58' LT	713.19
03-AJ	19+89.86	38.57' LT	713.23
03-AK	19+91.03	38.58' LT	713.24
03-AL	19+95.81	38.58' LT	(713.39)
03-AM	19+74.88	33.63' LT	712.60
03-AN	19+76.52	33.63' LT	712.59
03-AO	19+85.98	33.59' LT	713.12
03-AP	19+86.43	32.09' LT	713.14
03-AQ	19+91.03	33.58' LT	713.17
03-AR	19+95.81	33.58' LT	713.32
03-AS	19+89.66	21.41' LT	712.28
03-AT	19+94.30	22.92' LT	712.28
03-AU	19+90.83	17.57' LT	712.24
03-AV	19+90.24	19.50' LT	712.25
03-AW	19+96.41	16.22' LT	712.20
03-AX	19+95.88	17.89' LT	712.21
03-AY	19+99.90	16.00' LT	712.17
03-AZ	20+09.82	16.00' LT	712.10

(XXX.XX) = EXISTING ELEVATION



FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
N:\BuffaloGrove\200385_C2\Civil\1\01xxxx-ht-C2.ADA_04.dgn		DRAWN - JAJ	REVISED -
Default	PLOT SCALE = 5'	CHECKED - LMF	REVISED -
	PLOT DATE = 7/10/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

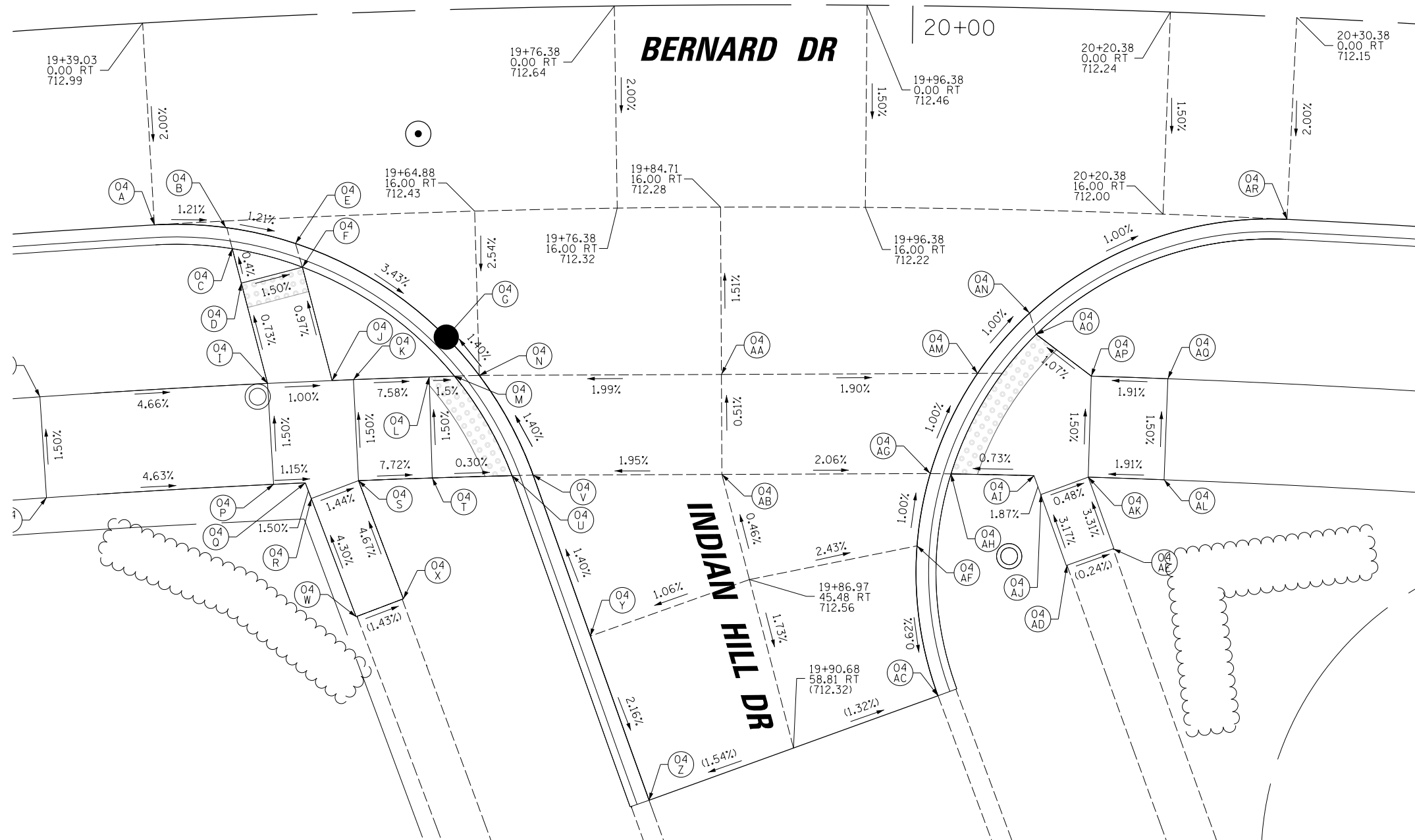
BERNARD DRIVE  
ADA RAMP DETAILS

SCALE: SHEET 4 OF 19 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	67
			CONTRACT NO. 61K63	
ILLINOIS FED. AID PROJECT				

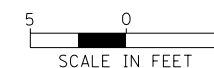
PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	BY
	STRUCTURE	
	NOT AT THIS OFFICE	
	NO.	



POINT	STATION	OFFSET	PR ELEV
04-A	19+39.03	16.00' RT	712.67
04-B	19+44.77	16.51' RT	712.60
04-C	19+45.21	18.21' RT	712.59
04-D	19+45.80	20.97' RT	712.60
04-E	19+50.33	18.04' RT	712.53
04-F	19+50.81	19.94' RT	712.52
04-G	19+62.28	25.90' RT	712.04
04-H	19+28.86	28.99' RT	713.53
04-I	19+47.53	29.00' RT	712.66
04-J	19+52.82	29.01' RT	712.61
04-K	19+54.57	29.00' RT	712.59
04-L	19+60.77	29.00' RT	712.12
04-M	19+62.84	29.00' RT	712.09
04-N	19+64.88	29.00' RT	712.10
04-O	19+28.82	36.99' RT	(713.65)
04-P	19+47.63	37.00' RT	712.78
04-Q	19+50.25	37.00' RT	712.75
04-R	19+50.69	38.26' RT	712.77
04-S	19+54.66	37.00' RT	712.71
04-T	19+60.75	37.00' RT	712.24
04-U	19+67.36	37.00' RT	712.22
04-V	19+69.14	37.00' RT	712.23
04-W	19+54.00	47.75' RT	(713.24)
04-X	19+58.01	46.48' RT	(713.18)
04-Y	19+73.60	49.83' RT	712.42
04-Z	19+78.35	62.89' RT	(712.12)
04-AA	19+84.71	29.24' RT	712.48
04-AB	19+84.71	37.15' RT	712.52
04-AC	20+02.88	54.57' RT	(712.15)
04-AD	20+13.45	44.01' RT	(712.44)
04-AE	20+17.25	42.60' RT	(712.43)
04-AF	20+00.99	41.91' RT	712.23
04-AG	20+01.93	37.00' RT	712.18
04-AH	20+03.65	37.00' RT	712.17
04-AI	20+10.51	37.00' RT	712.22
04-AJ	20+11.13	38.48' RT	712.25
04-AK	20+15.00	37.00' RT	712.23
04-AL	20+21.27	37.00' RT	(712.35)
04-AM	20+05.68	29.01' RT	712.10
04-AN	20+09.82	24.15' RT	712.04
04-AO	20+10.40	25.82' RT	712.05
04-AP	20+15.00	29.00' RT	712.11
04-AQ	20+21.27	29.00' RT	712.23
04-AR	20+30.38	16.00' RT	711.83

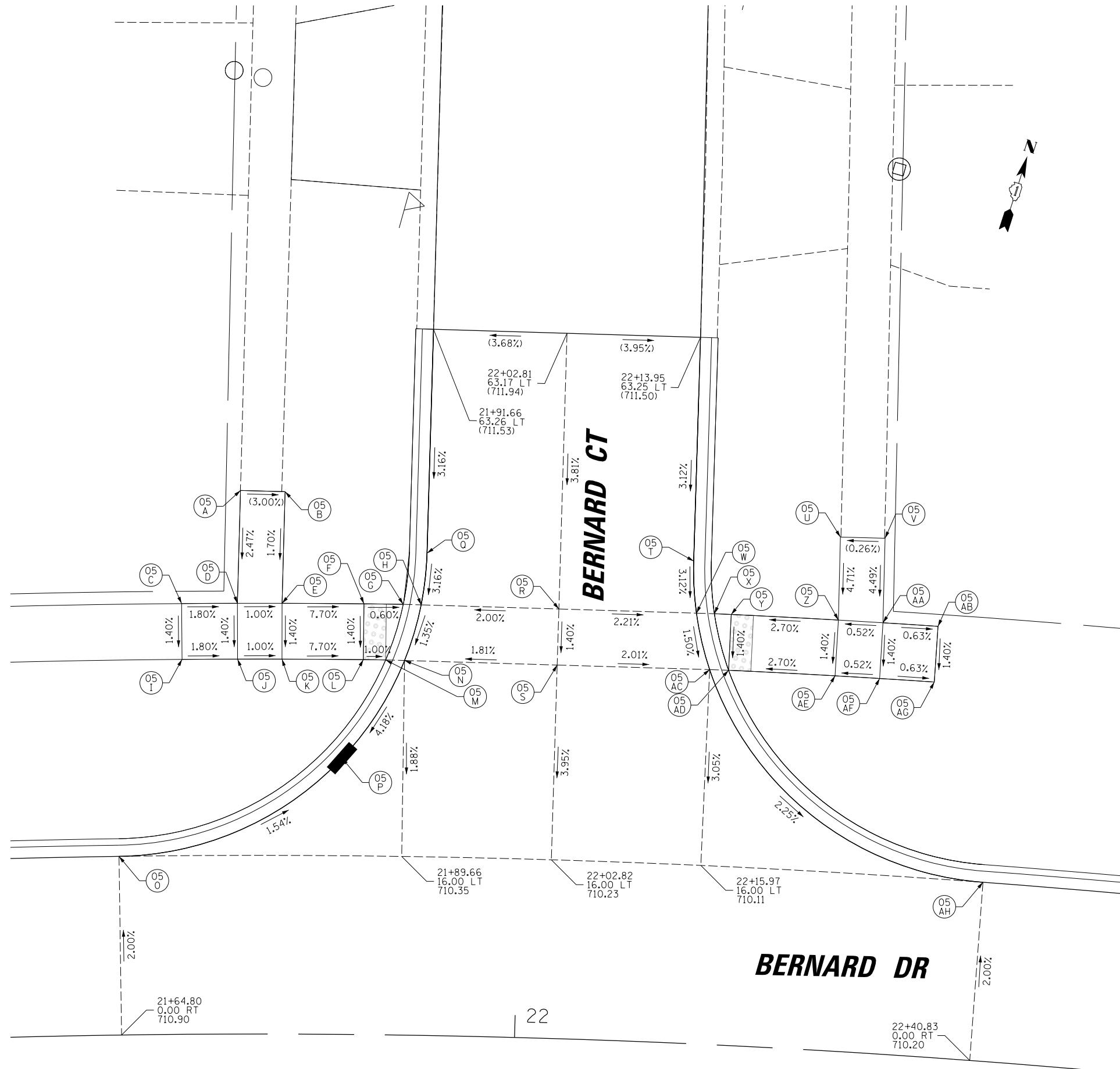
(XXX.XX) = EXISTING ELEVATION



FILE NAME -	USER NAME = jjezierny	DESIGNED - SNS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BERNARD DRIVE ADA RAMP DETAILS</b>	MUN. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\BuffaloGrove\200385_C2\Civil\1\01xxxx-ht-C2.ADA_05.dgn	DRAWN - JAJ	REVISED -	1581			20-00108-02-R5	COOK	164	68		
Default	PLOT SCALE = 5'	CHECKED - LMF	REVISED -			CONTRACT NO. 61K63					
	PLOT DATE = 7/10/2024	DATE -	REVISED -			SCALE:	SHEET 5 OF 19 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	FILE NAME	
	NO.	



POINT	STATION	OFFSET	PRELEV
O5-A	21+75.53	48.69' LT	(711.59)
O5-B	21+79.32	48.58' LT	(711.47)
O5-C	21+70.47	38.58' LT	(711.43)
O5-D	21+75.26	38.58' LT	711.34
O5-E	21+79.09	38.58' LT	711.30
O5-F	21+86.10	38.58' LT	710.76
O5-G	21+89.47	38.58' LT	710.74
O5-H	21+91.01	38.56' LT	710.75
O5-I	21+70.47	33.58' LT	711.36
O5-J	21+75.26	33.58' LT	711.27
O5-K	21+79.09	33.58' LT	711.23
O5-L	21+86.10	33.58' LT	710.69
O5-M	21+88.03	33.58' LT	710.67
O5-N	21+89.66	33.55' LT	710.68
O5-O	21+64.80	16.00' LT	710.58
O5-P	21+84.34	24.74' LT	710.25
O5-Q	21+91.44	43.19' LT	710.90
O5-R	22+02.81	38.47' LT	711.00
O5-S	22+02.81	33.45' LT	710.93
O5-T	22+14.19	43.21' LT	710.88
O5-U	22+26.61	46.01' LT	(711.31)
O5-V	22+30.32	46.14' LT	(711.32)
O5-W	22+14.62	38.55' LT	710.73
O5-X	22+16.16	38.58' LT	710.72
O5-Y	22+17.60	38.58' LT	710.71
O5-Z	22+26.83	38.58' LT	710.97
O5-AA	22+30.58	38.58' LT	710.98
O5-AB	22+35.37	38.58' LT	(710.95)
O5-AC	22+15.97	33.55' LT	710.65
O5-AD	22+17.60	33.58' LT	710.64
O5-AE	22+26.84	33.58' LT	710.90
O5-AF	22+30.58	33.58' LT	710.91
O5-AG	22+35.37	33.58' LT	710.88
O5-AH	22+40.83	16.00' LT	709.88

(XXX.XX) = EXISTING ELEVATION



FILE NAME -	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
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Default	PLOT SCALE = 5'	CHECKED - LMF	REVISED -
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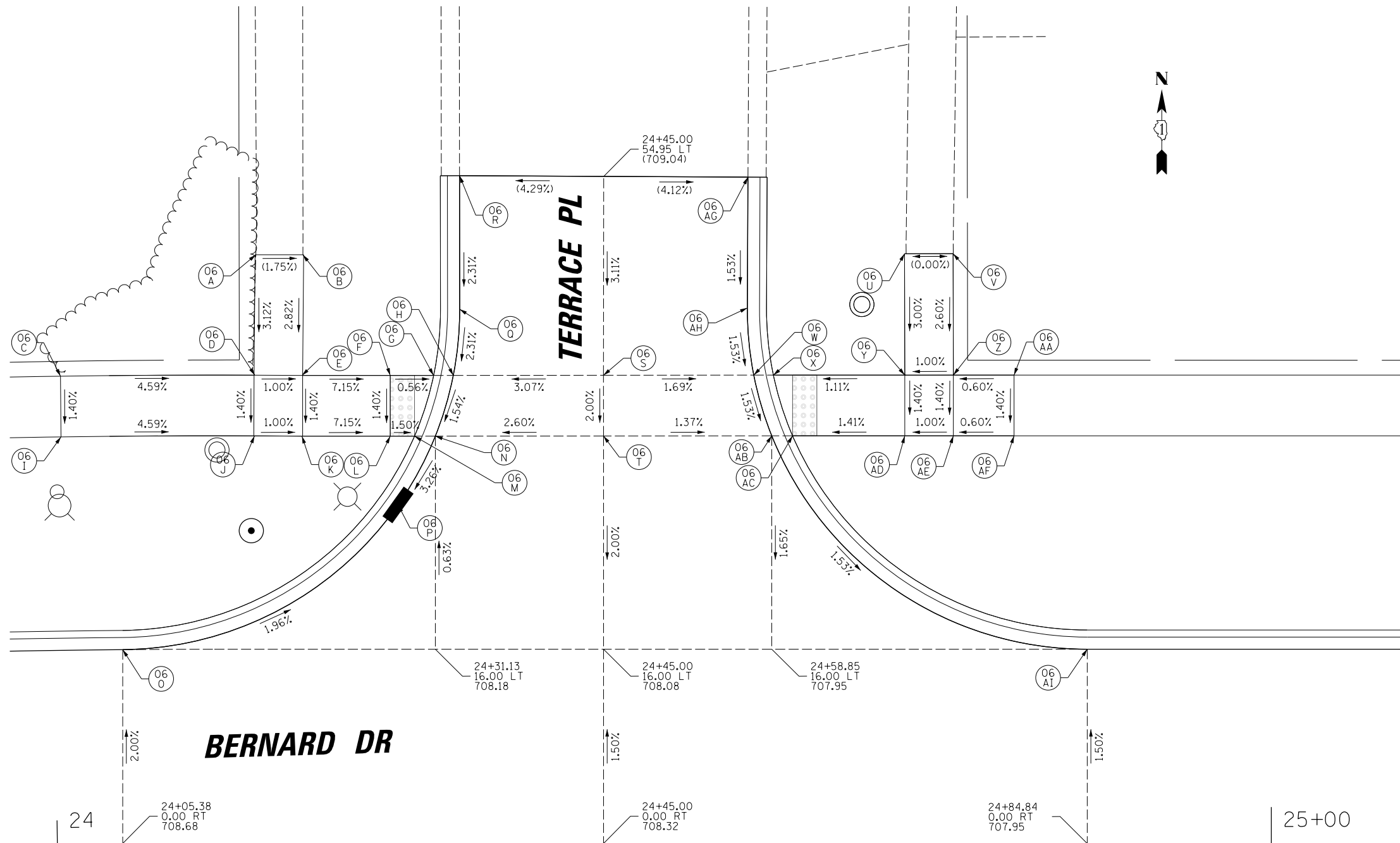
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BERNARD DRIVE ADA RAMP DETAILS	
SCALE:	SHEET 6 OF 19 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	69
			CONTRACT NO. 61K63	
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	BY
	STRUCTURE	
	NOT AT THIS OFFICE	
	NO.	



POINT	STATION	OFFSET	PR ELEV
O6-A	24+16.34	48.49' LT	(709.03)
O6-B	24+20.23	48.49' LT	(708.96)
O6-C	24+00.80	38.58' LT	(709.43)
O6-D	24+16.26	38.57' LT	708.72
O6-E	24+20.15	38.55' LT	708.68
O6-F	24+27.42	38.55' LT	708.16
O6-G	24+30.98	38.55' LT	708.14
O6-H	24+32.61	38.55' LT	708.15
O6-I	24+00.77	33.58' LT	709.36
O6-J	24+16.24	33.57' LT	708.65
O6-K	24+20.15	33.55' LT	708.61
O6-L	24+27.42	33.55' LT	708.09
O6-M	24+29.42	33.55' LT	708.06
O6-N	24+31.13	33.55' LT	708.07
O6-O	24+05.52	16.00' LT	708.36
O6-P	24+28.06	27.89' LT	707.86
O6-Q	24+33.14	44.00' LT	708.28
O6-R	24+33.12	55.00' LT	(708.53)
O6-S	24+44.98	38.57' LT	708.53
O6-T	24+44.99	33.57' LT	708.43
O6-U	24+69.78	48.57' LT	(708.73)
O6-V	24+73.78	48.58' LT	(708.73)
O6-W	24+57.37	38.58' LT	708.32
O6-X	24+58.98	38.58' LT	708.31
O6-Y	24+69.81	38.58' LT	708.43
O6-Z	24+73.81	38.58' LT	708.47
O6-AA	24+78.81	38.58' LT	(708.50)
O6-AB	24+58.85	33.58' LT	708.24
O6-AC	24+60.56	33.58' LT	708.23
O6-AD	24+69.81	33.58' LT	708.36
O6-AE	24+73.81	33.58' LT	708.40
O6-AF	24+78.81	33.58' LT	708.43
O6-AG	24+56.89	54.89' LT	(708.55)
O6-AH	24+56.84	44.11' LT	708.39
O6-AI	24+84.84	16.00' LT	707.71

(XXX.XX) = EXISTING ELEVATION



FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
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Default		CHECKED - LMF	REVISED -
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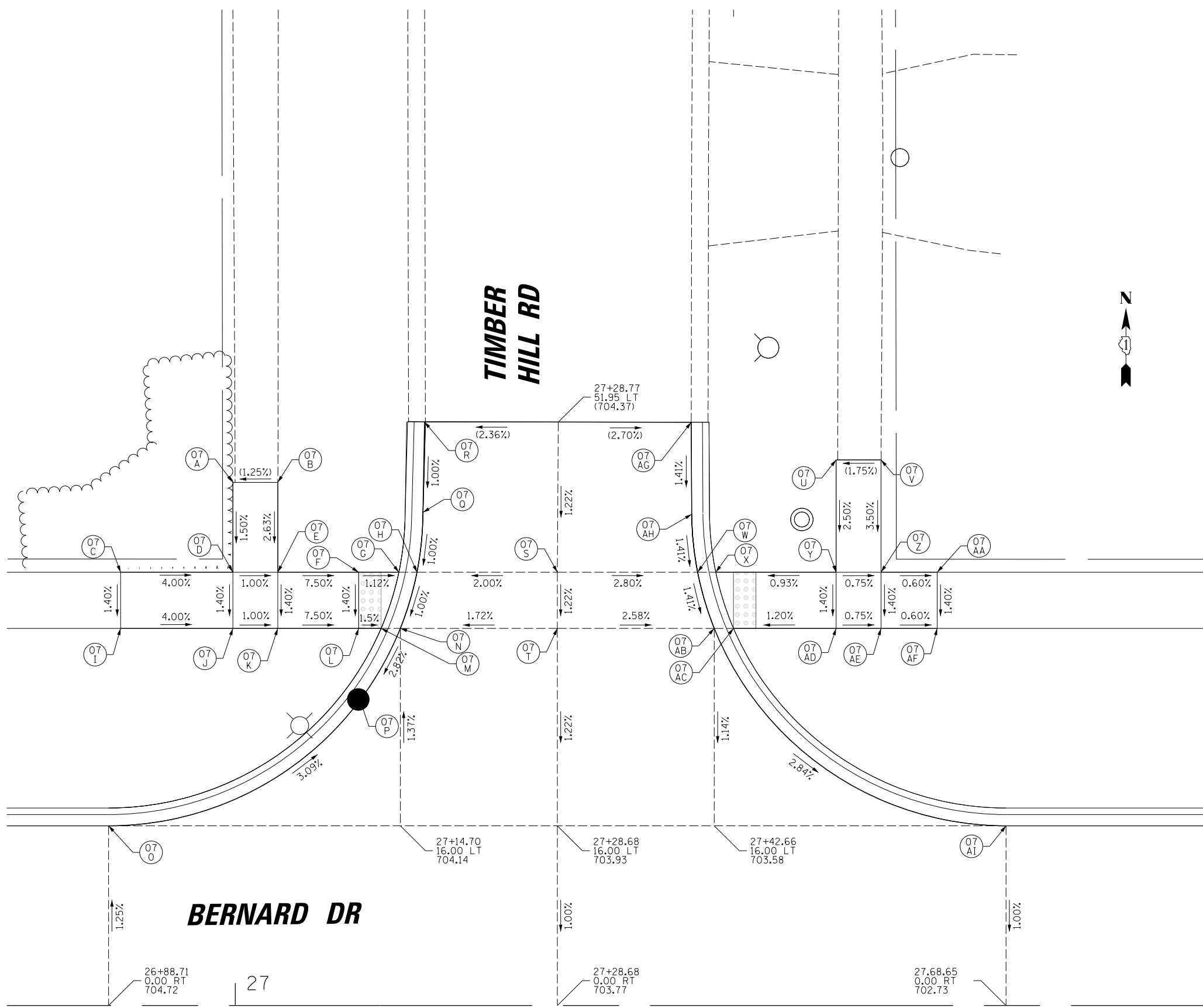
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>BERNARD DRIVE</b>		MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>ADA RAMP DETAILS</b>		1581	20-00108-02-R5	COOK	164	70
SCALE:	SHEET 7 OF 19 SHEETS	STA.	TO STA.	CONTRACT NO. 61K63		

ILLINOIS FED. AID PROJECT						
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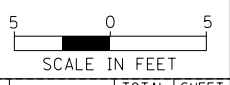
PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	



POINT	STATION	OFFSET	PR ELEV
07-A	26+99.78	46.58' LT	(704.69)
07-B	27+03.78	46.58' LT	(704.74)
07-C	26+89.78	38.58' LT	(704.97)
07-D	26+99.78	38.58' LT	704.57
07-E	27+03.78	38.58' LT	704.53
07-F	27+10.98	38.58' LT	703.99
07-G	27+14.56	38.58' LT	703.95
07-H	27+16.18	38.58' LT	703.96
07-I	26+89.78	33.58' LT	704.90
07-J	26+99.78	33.58' LT	704.50
07-K	27+03.78	33.58' LT	704.46
07-L	27+10.98	33.58' LT	703.92
07-M	27+12.98	33.58' LT	703.89
07-N	27+14.70	33.58' LT	703.90
07-O	26+88.71	16.00' LT	704.52
07-P	27+11.66	27.96' LT	703.72
07-Q	27+16.71	43.90' LT	704.01
07-R	27+16.93	51.97' LT	(704.09)
07-S	27+28.68	38.58' LT	704.21
07-T	27+28.68	33.58' LT	704.14
07-U	27+53.51	48.58' LT	(704.20)
07-V	27+57.51	48.58' LT	(704.27)
07-W	27+41.18	38.58' LT	703.86
07-X	27+42.79	38.58' LT	703.85
07-Y	27+53.51	38.58' LT	703.95
07-Z	27+57.51	38.58' LT	703.92
07-AA	27+62.51	38.58' LT	(703.89)
07-AB	27+42.66	33.58' LT	703.78
07-AC	27+44.37	33.58' LT	703.77
07-AD	27+53.51	33.58' LT	703.88
07-AE	27+57.51	33.58' LT	703.85
07-AF	27+62.51	33.58' LT	703.82
07-AG	27+40.61	51.93' LT	(704.04)
07-AH	27+40.65	43.74' LT	703.93
07-AI	27+68.65	16.00' LT	702.89

(XXX.XX) = EXISTING ELEVATION



FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
N:\BuffaloGrove\200385_C2\Civil\01xxxxx-ht-C2.ADA_08.dgn		DRAWN - JAJ	REVISED -
Default	PLOT SCALE = 5'	CHECKED - LMF	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

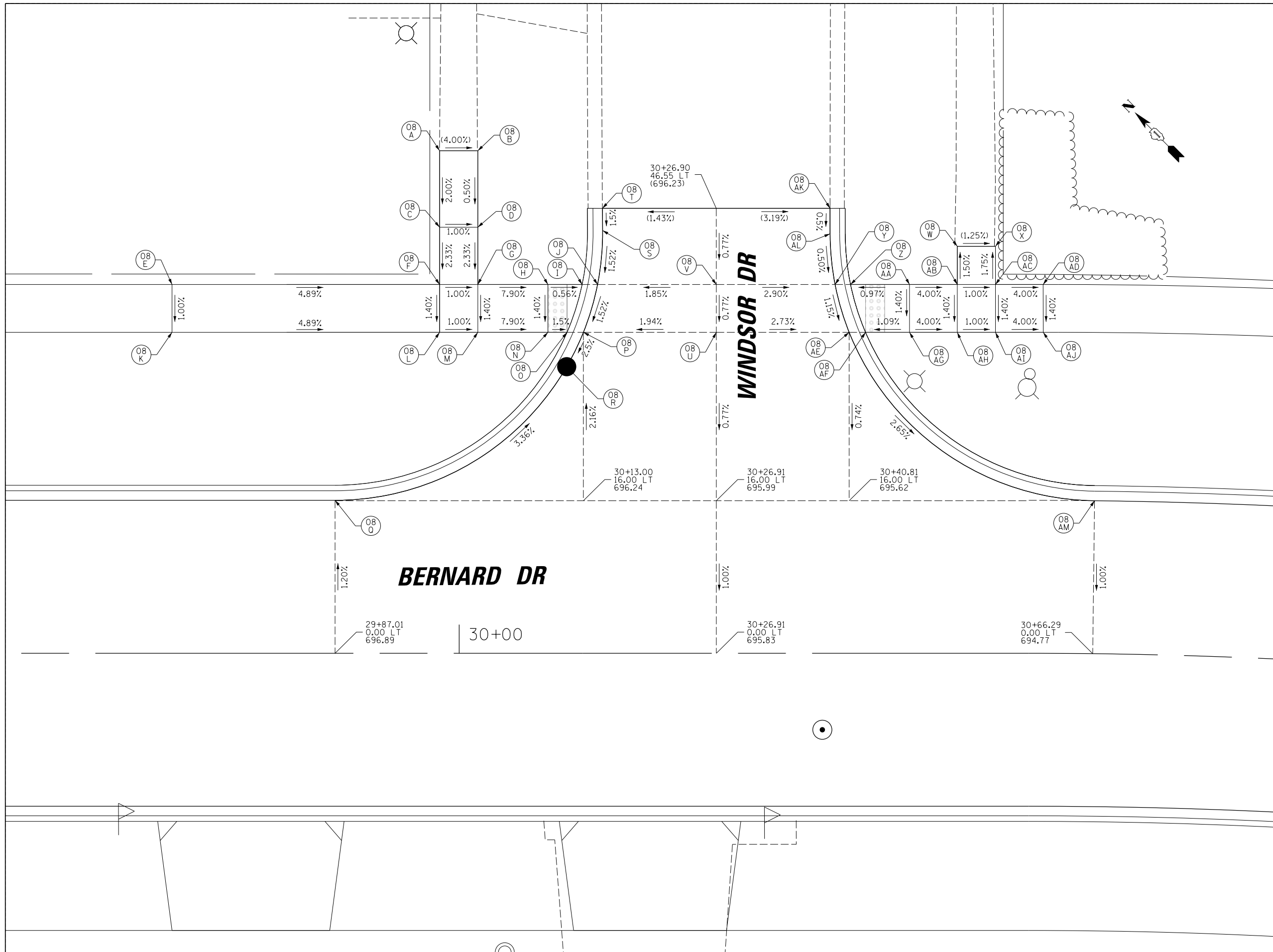
**BERNARD DRIVE  
ADA RAMP DETAILS**

SCALE: SHEET 8 OF 19 SHEETS STA. TO STA.

MUN. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	71
CONTRACT NO. 61K63			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
	FILED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	STRUCTURE	
	NOT AT THIS OFFICE	
	NO.	



POINT	STATION	OFFSET	PR ELEV
O8-A	29+97.95	52.58' LT	(696.88)
O8-B	30+01.95	52.58' LT	(696.72)
O8-C	29+97.95	44.58' LT	696.72
O8-D	30+01.95	44.58' LT	696.68
O8-E	29+69.95	38.58' LT	697.95
O8-F	29+97.95	38.58' LT	696.58
O8-G	30+01.95	38.58' LT	696.54
O8-H	30+09.29	38.58' LT	695.96
O8-I	30+12.87	38.58' LT	695.94
O8-J	30+14.48	38.58' LT	695.94
O8-K	29+69.95	33.58' LT	(697.88)
O8-L	29+97.95	33.58' LT	696.51
O8-M	30+01.95	33.58' LT	696.47
O8-N	30+09.29	33.58' LT	695.89
O8-O	30+11.29	33.58' LT	695.86
O8-P	30+13.00	33.58' LT	695.86
O8-Q	29+87.01	16.00' LT	696.70
O8-R	30+11.25	29.99' LT	695.76
O8-S	30+15.01	44.24' LT	696.02
O8-T	30+14.99	46.55' LT	(696.06)
O8-U	30+26.90	33.58' LT	696.13
O8-V	30+26.91	38.58' LT	696.17
O8-W	30+52.12	42.58' LT	695.60
O8-X	30+56.12	42.58' LT	695.55
O8-Y	30+39.34	38.58' LT	695.81
O8-Z	30+40.95	38.58' LT	695.80
O8-AA	30+47.12	38.58' LT	695.86
O8-AB	30+52.12	38.58' LT	695.66
O8-AC	30+56.12	38.58' LT	695.62
O8-AD	30+61.01	38.58' LT	(695.43)
O8-AE	30+40.81	33.58' LT	695.75
O8-AF	30+42.52	33.58' LT	695.74
O8-AG	30+47.12	33.58' LT	695.79
O8-AH	30+52.12	33.58' LT	695.59
O8-AI	30+56.12	33.58' LT	695.55
O8-AJ	30+61.03	33.58' LT	695.36
O8-AK	30+38.81	46.55' LT	(695.85)
O8-AL	30+38.82	43.89' LT	695.84
O8-AM	30+66.29	16.00' LT	694.93

(XXX.XX) = EXISTING ELEVATION

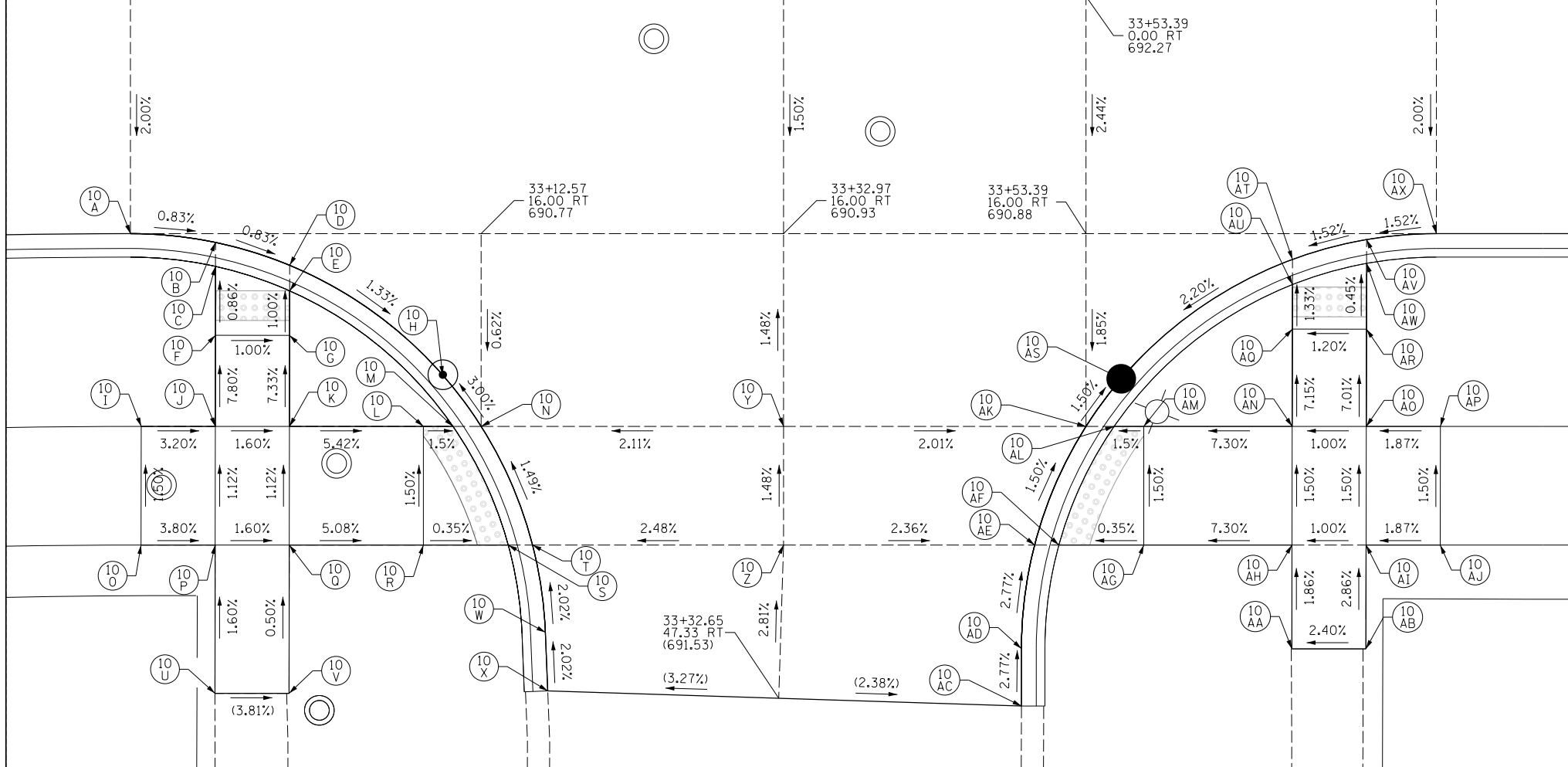
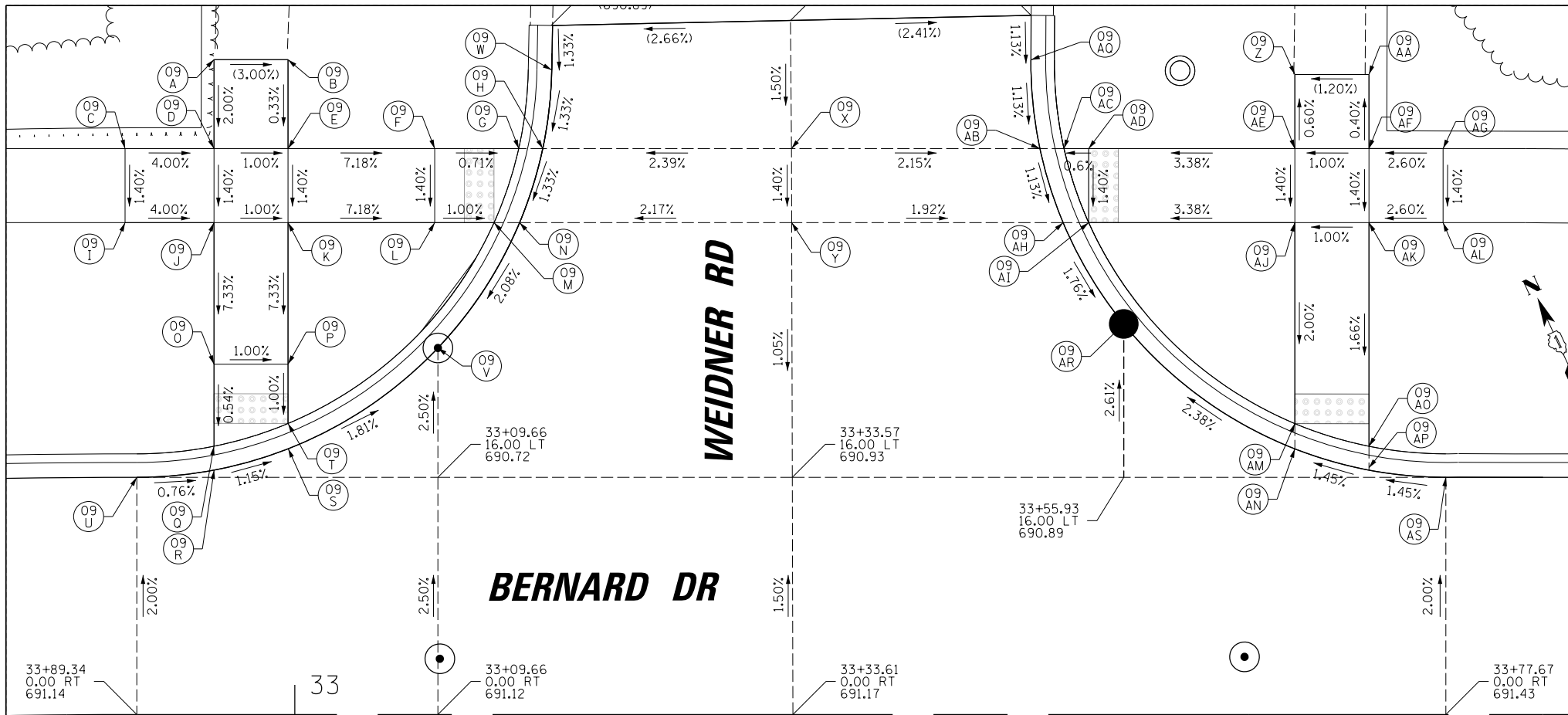


FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BERNARD DRIVE ADA RAMP DETAILS</b>	MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\BuffaloGrove\200385_C2\Civil\01\1011\1011.dgn	DRAWN - JAJ	REVISOR -	REVISOR -			1581	20-00108-02-R5	COOK	164	72	
Default	PLLOT SCALE = 5'	CHECKED - LMF	REVISOR -			CONTRACT NO. 61K63					
	PLLOT DATE = 7/10/2024	DATE -	REVISOR -			ILLINOIS FED. AID PROJECT					



DATE	
BY	
PLAN	SURVEYED
NOTE BOOK	PLOTTED
NO.	CHECKED
	ALIGNMENT
	FILE NAME

DATE	
BY	
PROFILE	SURVEYED
NOTE BOOK	GRADES CHECKED
NO.	STRUCTURE NOTATIONS CHKD



POINT	STATION	OFFSET	PR ELEV
09-A	32+94.55	44.18' LT	(691.69)
09-B	32+99.55	44.18' LT	(691.54)
09-C	32+88.60	38.18' LT	(691.81)
09-D	32+94.55	38.18' LT	691.57
09-E	32+99.55	38.18' LT	691.52
09-F	33+09.44	38.18' LT	690.81
09-G	33+15.11	38.18' LT	690.77
09-H	33+16.73	38.18' LT	690.78
09-I	32+88.59	33.18' LT	691.74
09-J	32+94.55	33.18' LT	691.50
09-K	32+99.55	33.18' LT	691.45
09-L	33+09.44	33.18' LT	690.74
09-M	33+13.44	33.18' LT	690.70
09-N	33+15.17	33.18' LT	690.71
09-O	32+94.55	23.63' LT	690.80
09-P	32+99.55	23.63' LT	690.75
09-Q	32+94.55	18.10' LT	690.77
09-R	32+94.56	16.51' LT	690.78
09-S	32+99.56	17.93' LT	690.72
09-T	32+99.55	19.63' LT	690.71
09-U	32+89.34	16.00' LT	690.82
09-V	33+09.66	24.73' LT	690.50
09-W	33+17.34	43.48' LT	690.85
09-X	33+33.50	38.18' LT	(691.18)
09-Y	33+33.57	33.18' LT	691.11
09-Z	33+67.48	43.18' LT	(691.27)
09-AA	33+72.48	43.18' LT	(691.33)
09-AB	33+50.28	38.18' LT	690.82
09-AC	33+51.90	38.18' LT	690.82
09-AD	33+53.57	38.18' LT	690.83
09-AE	33+67.48	38.18' LT	691.30
09-AF	33+72.48	38.18' LT	691.35
09-AG	33+77.48	38.18' LT	(691.48)
09-AH	33+51.84	33.18' LT	690.76
09-AI	33+53.57	33.18' LT	690.76
09-AJ	33+67.48	33.18' LT	691.23
09-AK	33+72.48	33.18' LT	691.28
09-AL	33+77.48	33.18' LT	691.41
09-AM	33+67.48	19.63' LT	690.96
09-AN	33+67.48	17.92' LT	690.96
09-AO	33+72.48	18.10' LT	691.03
09-AP	33+72.48	16.48' LT	691.03
09-AQ	33+49.67	44.16' LT	690.89
09-AR	33+55.93	26.35' LT	(690.62)
09-AS	33+77.67	16.00' LT	691.11

POINT	STATION	OFFSET	PR ELEV
10-A	32+88.90	16.00' RT	690.82
10-B	32+94.65	16.59' RT	690.77
10-C	32+94.65	18.21' RT	690.76
10-D	32+99.58	18.11' RT	690.73
10-E	32+99.58	19.83' RT	690.72
10-F	32+94.64	22.85' RT	690.80
10-G	32+99.65	22.86' RT	690.75
10-H	33+09.97	25.53' RT	690.56
10-I	32+89.64	28.99' RT	691.44
10-J	32+94.64	29.00' RT	691.28
10-K	32+99.64	29.00' RT	691.20
10-L	33+08.68	29.00' RT	690.71
10-M	33+10.68	29.00' RT	690.68
10-N	33+12.57	29.00' RT	690.69
10-O	32+89.63	36.99' RT	(691.56)
10-P	32+94.63	37.00' RT	691.37
10-Q	32+99.63	37.00' RT	691.29
10-R	33+08.68	37.00' RT	690.83
10-S	33+14.40	37.00' RT	690.81
10-T	33+16.04	37.00' RT	690.82
10-U	32+94.62	47.00' RT	691.53
10-V	32+99.61	47.00' RT	691.34
10-W	33+16.91	42.89' RT	(690.94)
10-X	33+17.07	46.83' RT	(691.02)
10-Y	33+32.98	29.00' RT	691.12
10-Z	33+32.98	37.00' RT	(691.24)
10-AA	33+67.28	44.00' RT	691.71
10-AB	33+72.28	44.00' RT	691.83
10-AC	33+49.03	47.80' RT	(691.14)
10-AD	33+49.03	43.99' RT	(691.03)
10-AE	33+49.92	42.89' RT	(690.84)
10-AF	33+51.56	37.00' RT	690.83
10-AG	33+57.28	37.00' RT	690.85
10-AH	33+67.28	37.00' RT	691.58
10-AI	33+72.28	37.00' RT	691.63
10-AJ	33+77.10	37.01' RT	691.72
10-AK	33+53.39	29.00' RT	690.71
10-AL	33+55.28	29.00' RT	(690.70)
10-AM	33+57.28	29.00' RT	690.73
10-AN	33+67.30	29.00' RT	691.46
10-AO	33+72.30	29.00' RT	691.51
10-AP	33+77.11	29.01' RT	691.60
10-AQ	33+67.31	22.43' RT	690.99
10-AR	33+72.31	22.44' RT	691.05
10-AS	33+55.76	25.79' RT	690.65
10-AT	33+67.32	17.74' RT	690.96
10-AU	33+67.32	19.43' RT	690.95
10-AV	33+72.32	16.40' RT	691.04
10-AW	33+72.32	18.01' RT	691.03
10-AX	33+77.03	16.00' RT	691.11

(XXX.XX) = EXISTING ELEVATION

(XXX.XX) = EXISTING ELEVATION



FILE NAME -	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
N:\BuffaloGrove\200385_C2\Civil\1\1011111111.dgn		DRAWN - JAJ	REVISED -
Default		CHECKED - LMF	REVISED -
	PLOT DATE = 7/10/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

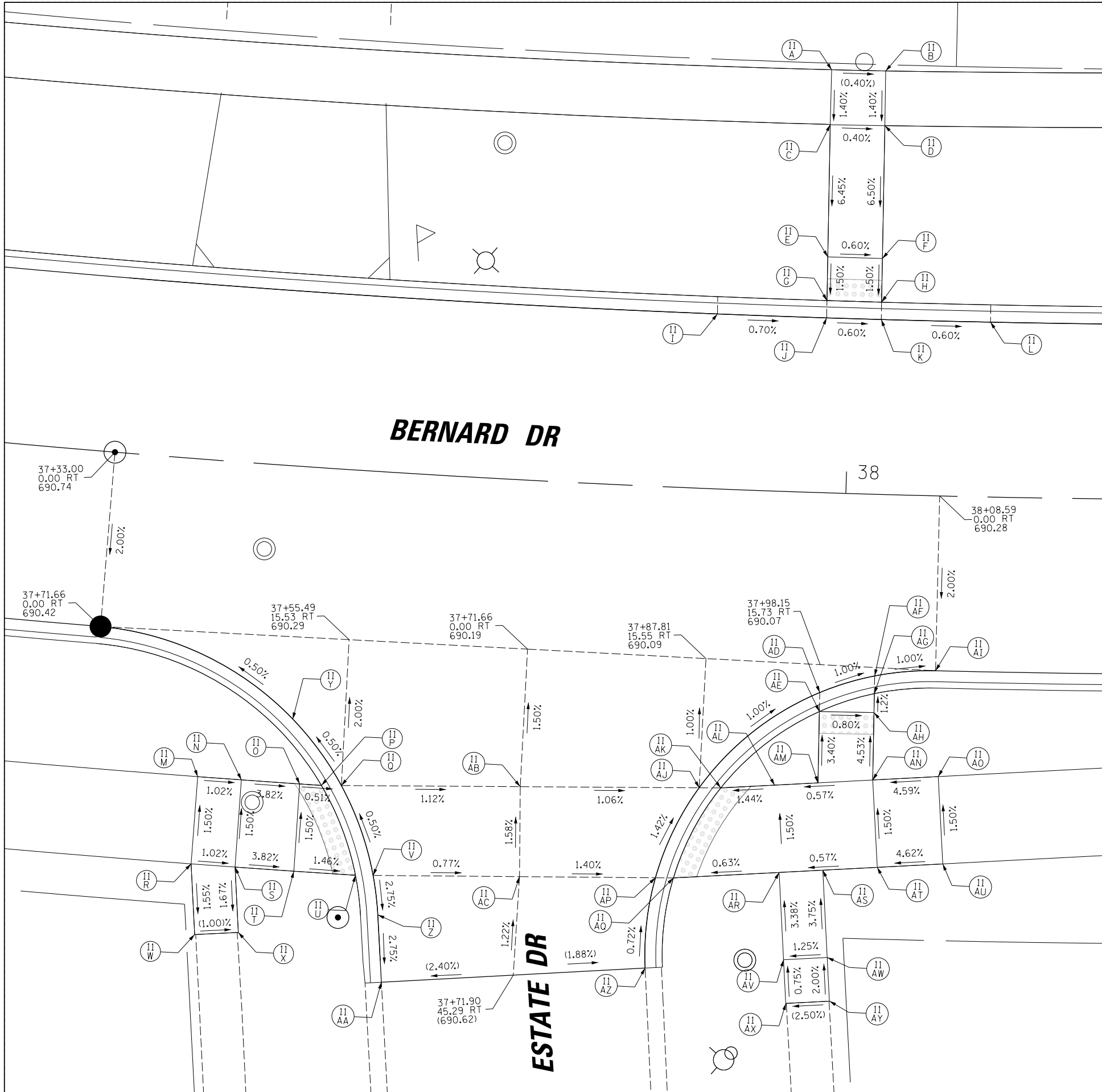
**BERNARD DRIVE  
ADA RAMP DETAILS**

SCALE: SHEET 10 OF 19 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	73
CONTRACT NO. 61K63				
ILLINOIS FED. AID PROJECT				

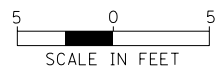
PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	BY
	STRUCTURE NOTATIONS CHECKED	
	NO.	



POINT	STATION	OFFSET	PR ELEV
11-A	37+97.46	38.70' LT	690.92
11-B	38+02.56	38.74' LT	690.90
11-C	37+97.49	33.68' LT	690.85
11-D	38+02.62	33.74' LT	690.83
11-E	37+97.66	21.58' LT	690.07
11-F	38+02.74	21.58' LT	690.04
11-G	37+97.71	17.58' LT	690.01
11-H	38+02.78	17.58' LT	689.98
11-I	37+87.60	16.00' LT	690.09
11-J	37+97.73	16.00' LT	690.02
11-K	38+02.80	16.00' LT	689.99
11-L	38+12.92	16.00' LT	689.93
11-M	37+42.77	29.00' RT	690.80
11-N	37+46.69	29.00' RT	690.76
11-O	37+51.92	29.00' RT	690.56
11-P	37+53.87	29.00' RT	690.55
11-Q	37+55.65	28.89' RT	690.56
11-R	37+42.77	37.00' RT	(690.92)
11-S	37+46.69	37.00' RT	690.88
11-T	37+51.93	37.00' RT	690.68
11-U	37+57.42	37.00' RT	690.60
11-V	37+58.99	36.91' RT	690.61
11-W	37+43.55	43.43' RT	(690.82)
11-X	37+47.39	42.94' RT	(690.78)
11-Y	37+50.91	23.12' RT	690.52
11-Z	37+59.62	40.49' RT	690.51
11-AA	37+60.30	46.62' RT	(690.34)
11-AB	37+71.64	28.04' RT	690.38
11-AC	37+71.99	36.26' RT	690.51
11-AD	37+98.18	18.28' RT	690.07
11-AE	37+98.21	20.02' RT	690.07
11-AF	38+03.10	16.61' RT	690.01
11-AG	38+03.11	18.23' RT	690.01
11-AH	38+03.13	19.96' RT	690.03
11-AI	38+08.59	16.00' RT	689.96
11-AJ	37+87.65	27.38' RT	690.21
11-AK	37+89.59	27.32' RT	690.19
11-AL	37+94.40	26.88' RT	690.26
11-AM	37+98.28	26.54' RT	690.28
11-AN	38+03.19	26.14' RT	690.31
11-AO	38+09.05	25.67' RT	690.58
11-AP	37+84.09	35.78' RT	690.34
11-AQ	37+85.69	35.72' RT	690.32
11-AR	37+95.08	34.85' RT	690.38
11-AS	37+98.96	34.52' RT	690.40
11-AT	38+03.81	34.11' RT	690.43
11-AU	38+09.63	33.65' RT	690.70
11-AV	37+95.74	42.83' RT	690.65
11-AW	37+99.60	42.49' RT	(690.70)
11-AX	37+96.07	46.81' RT	(690.68)
11-AY	37+99.92	46.48' RT	690.78
11-AZ	37+83.52	44.07' RT	690.40

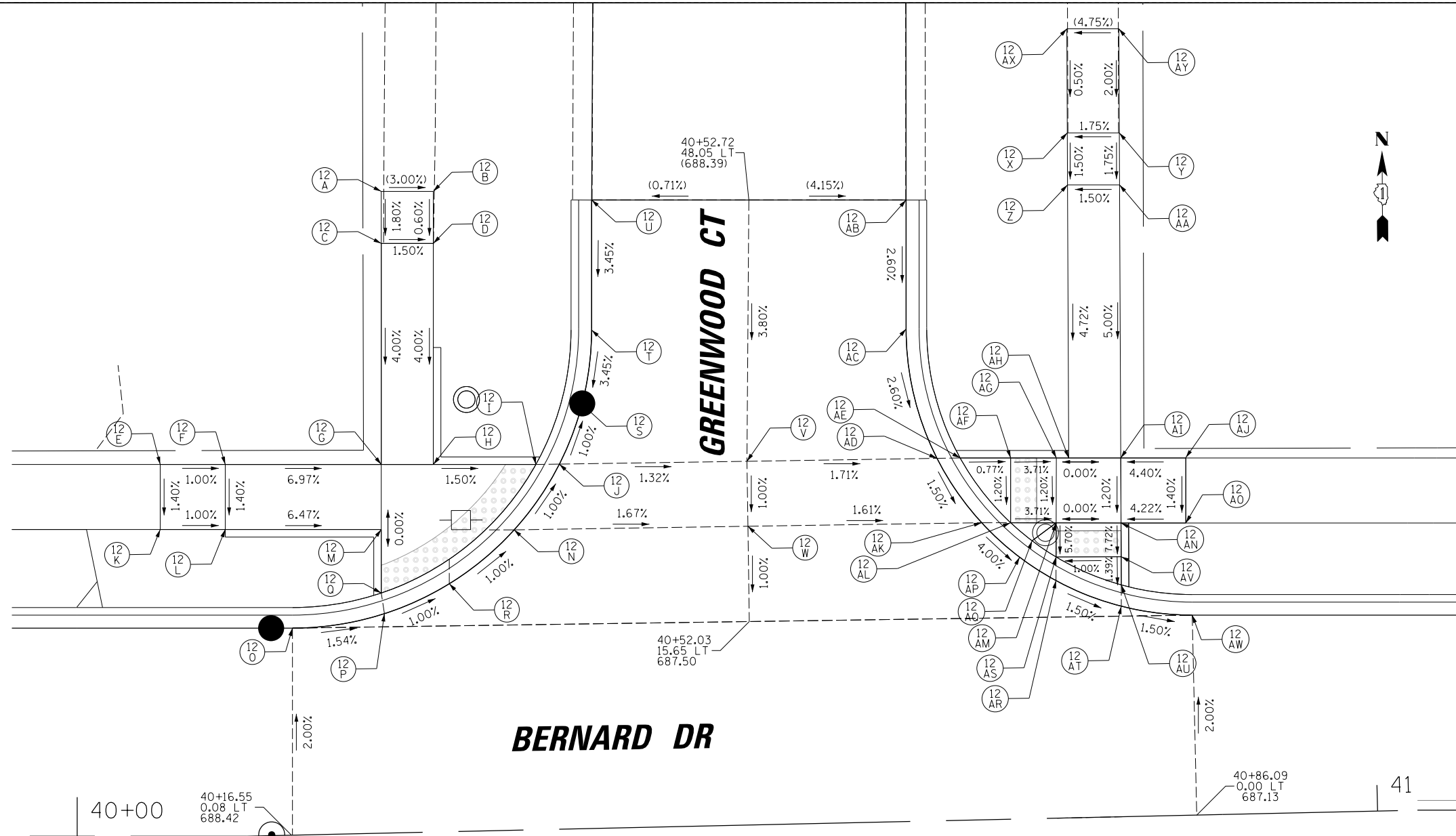
(XXX.XX) = EXISTING ELEVATION



FILE NAME = N:\BuffaloGrave\200385_C2\Civil\1\DA1xxxxx-h1-C2.ADA_11.dgn	USER NAME = jjezierny	DESIGNED - SNS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BERNARD DRIVE ADA RAMP DETAILS</b>	MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT DATE = 7/10/2024	DRAWN - JAJ	REVISED -			1581	20-00108-02-R5	COOK	164	74	
		CHECKED - LMF	REVISED -	SCALE: SHEET 11 OF 19 SHEETS STA. TO STA.						CONTRACT NO. 61K63	
		DATE -	REVISED -	ILLINOIS FED. AID PROJECT							

PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	CHECKED	
	AT	
	ALIGNMENT	
	FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	CHECKED	
	AT	
	STRUCTURE	
	NOT AT THIS OFFICE	



POINT	STATION	OFFSET	ELEV.
12-A	40+24.48	49.34' LT	(688.72)
12-B	40+28.48	49.25' LT	(688.60)
12-C	40+24.37	44.34' LT	688.63
12-D	40+28.37	44.25' LT	688.57
12-E	40+06.38	28.58' LT	(688.92)
12-F	40+11.38	28.52' LT	688.87
12-G	40+24.01	28.34' LT	687.99
12-H	40+28.01	28.26' LT	687.93
12-I	40+35.89	28.08' LT	687.81
12-J	40+37.70	28.07' LT	687.81
12-K	40+06.38	23.58' LT	688.85
12-L	40+11.38	23.52' LT	688.80
12-M	40+23.90	23.34' LT	687.99
12-N	40+34.11	23.09' LT	687.87
12-O	40+16.91	15.92' LT	688.10
12-P	40+24.00	16.87' LT	687.99
12-Q	40+23.80	18.47' LT	687.99
12-R	40+29.04	19.06' LT	687.93
12-S	40+39.56	32.70' LT	687.77
12-T	40+40.41	38.32' LT	687.97
12-U	40+40.63	48.32' LT	(688.31)
12-V	40+52.12	27.97' LT	687.62
12-W	40+52.09	22.97' LT	687.57
12-X	40+77.42	52.66' LT	688.24
12-Y	40+81.42	52.57' LT	688.31
12-Z	40+77.33	48.66' LT	688.18
12-AA	40+81.33	48.57' LT	688.24
12-AB	40+64.81	47.78' LT	(687.89)
12-AC	40+64.58	37.78' LT	687.63
12-AD	40+66.74	27.87' LT	687.37
12-AE	40+68.52	27.85' LT	687.35
12-AF	40+72.40	27.77' LT	687.32
12-AG	40+75.82	27.67' LT	687.19
12-AH	40+76.87	27.67' LT	687.19
12-AI	40+80.87	27.58' LT	687.19
12-AJ	40+85.87	27.50' LT	687.41
12-AK	40+70.06	22.84' LT	687.28
12-AL	40+72.29	22.80' LT	687.26
12-AM	40+75.79	22.71' LT	687.13
12-AN	40+80.78	22.58' LT	687.13
12-AO	40+85.75	22.47' LT	687.34
12-AP	40+72.92	20.13' LT	687.12
12-AQ	40+73.91	21.37' LT	687.37
12-AR	40+75.70	18.26' LT	686.99
12-AS	40+75.72	20.08' LT	686.98
12-AT	40+80.65	16.19' LT	686.91
12-AU	40+80.69	17.83' LT	686.90
12-AV	40+80.73	19.99' LT	686.93
12-AW	40+86.09	15.38' LT	686.82
12-AX	40+77.47	60.66' LT	(688.28)
12-AY	40+81.47	60.57' LT	(688.47)

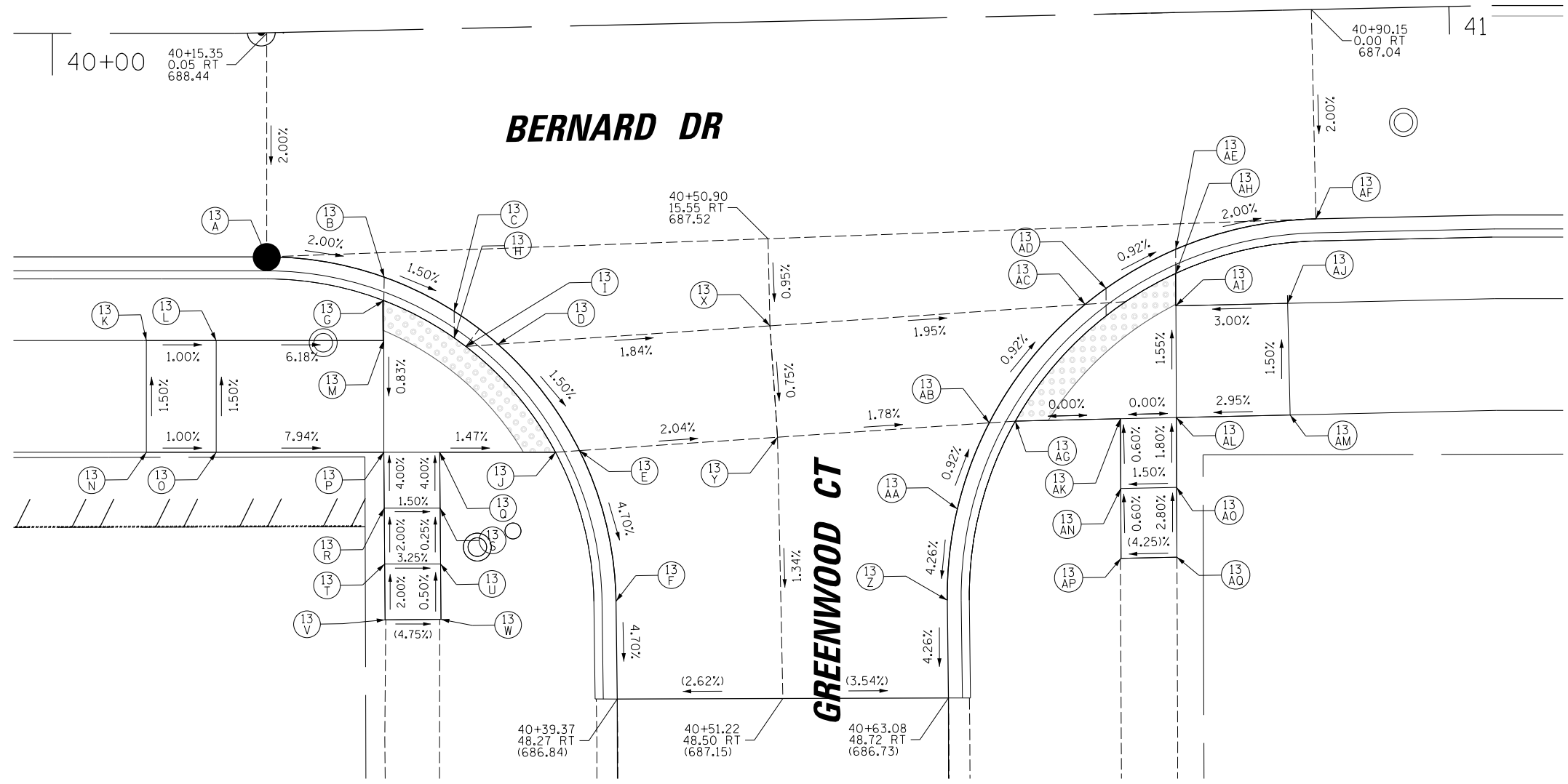
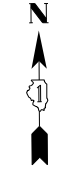
(XXX.XX) = EXISTING ELEVATION



FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BERNARD DRIVE ADA RAMP DETAILS</b>	MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\BuffaloGrove\200385_C2\Civil\DIxxxxx-ht-C2.ADA_12.dgn	DRAWN - JAJ	REVISED -	1581			20-00108-02-R5	COOK	164	75		
Default	PLOT SCALE = 5'	CHECKED - LMF	REVISED -			CONTRACT NO. 61K63					
	PLOT DATE = 7/10/2024	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

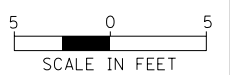
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	PLOTTED	BY
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	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	STRUCTURE	
	NOT AT THIS OFFICE	
	NO.	



POINT	STATION	OFFSET	ELEV.
13-A	40+14.99	16.05' RT	688.12
13-B	40+23.36	17.69' RT	687.95
13-C	40+28.32	20.25' RT	687.87
13-D	40+31.40	22.67' RT	687.82
13-E	40+37.07	30.42' RT	687.69
13-F	40+39.44	41.27' RT	687.20
13-G	40+23.30	19.37' RT	687.94
13-H	40+28.28	22.16' RT	687.85
13-I	40+29.10	22.78' RT	687.83
13-J	40+35.35	30.50' RT	687.67
13-K	40+06.73	22.00' RT	688.68
13-L	40+11.73	22.00' RT	688.63
13-M	40+23.23	22.23' RT	687.92
13-N	40+06.73	30.00' RT	688.80
13-O	40+11.73	30.00' RT	688.75
13-P	40+23.06	30.23' RT	687.85
13-Q	40+27.06	30.32' RT	687.79
13-R	40+23.00	34.23' RT	688.01
13-S	40+27.00	34.32' RT	687.95
13-T	40+22.94	38.23' RT	688.09
13-U	40+26.94	38.32' RT	687.96
13-V	40+22.89	42.23' RT	(688.17)
13-W	40+26.89	42.29' RT	(687.98)
13-X	40+50.90	21.79' RT	687.46
13-Y	40+51.26	29.78' RT	687.40
13-Z	40+63.15	41.72' RT	686.90
13-AA	40+64.02	35.20' RT	687.18
13-AB	40+66.44	29.09' RT	687.13
13-AC	40+73.48	20.76' RT	687.02
13-AD	40+75.01	19.64' RT	687.01
13-AE	40+80.06	16.96' RT	686.95
13-AF	40+90.15	15.00' RT	686.74
13-AG	40+68.30	29.00' RT	687.11
13-AH	40+80.03	18.68' RT	686.95
13-AI	40+79.98	21.00' RT	686.99
13-AJ	40+87.98	21.00' RT	687.23
13-AK	40+75.84	29.00' RT	687.11
13-AL	40+79.84	29.00' RT	687.11
13-AM	40+87.98	29.00' RT	687.35
13-AN	40+75.75	34.00' RT	687.14
13-AO	40+79.75	34.00' RT	687.20
13-AP	40+75.66	39.00' RT	(687.17)
13-AQ	40+79.66	39.00' RT	(687.34)

(XXX.XX) = EXISTING ELEVATION



FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
N:\BuffaloGrove\200385_C2\Civil\01\13.dgn		DRAWN - JAJ	REVISED -
Default		CHECKED - LMF	REVISED -
	PLOT DATE = 7/10/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

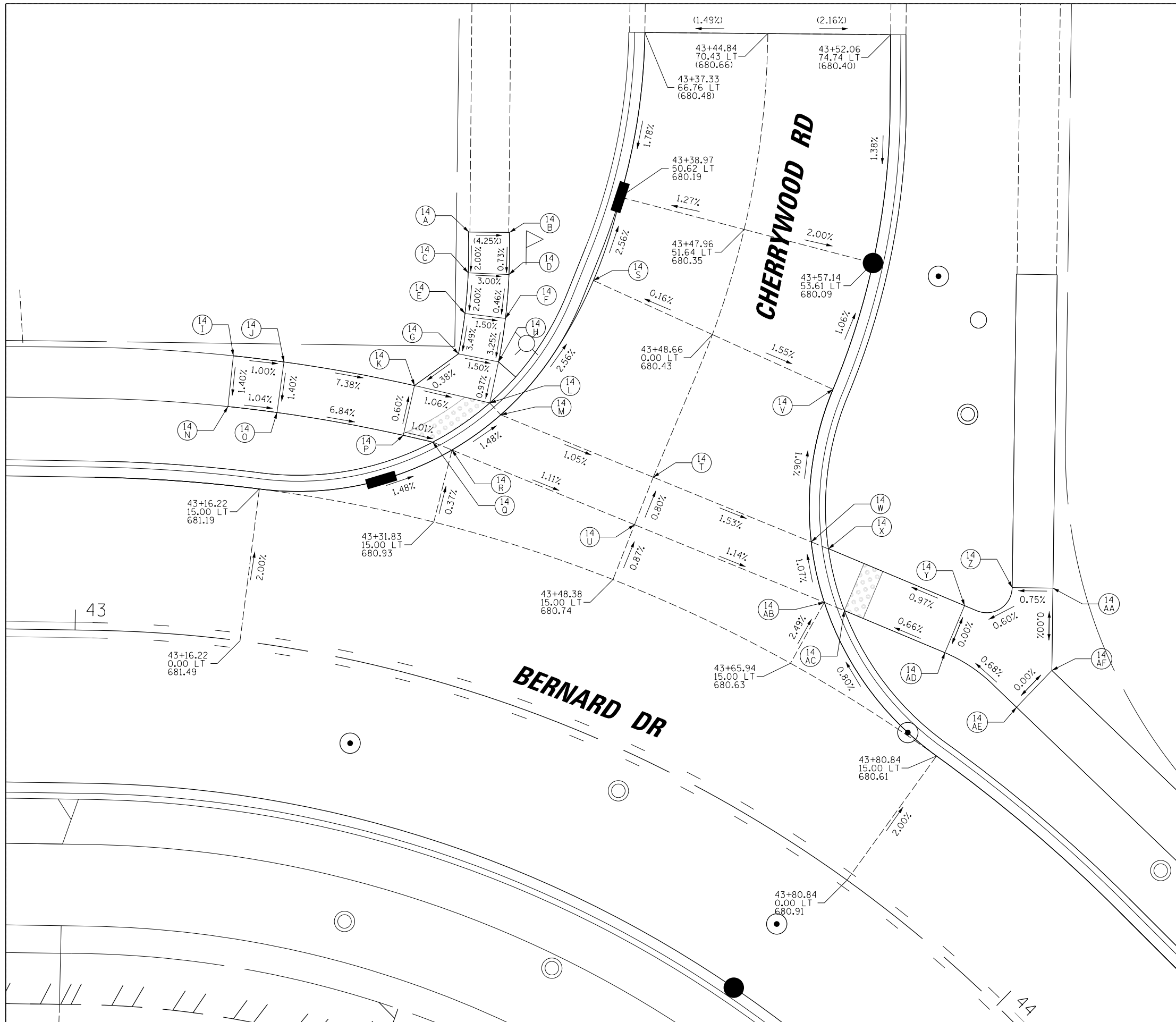
**BERNARD DRIVE  
ADA RAMP DETAILS**

SCALE: SHEET 13 OF 19 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	76
CONTRACT NO. 61K63				
ILLINOIS FED. AID PROJECT				

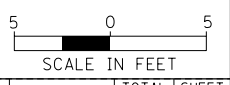
DATE	
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ALIGNED	
FILE NAME	
PLAN	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
GRADES CHECKED	
STRUCTURE	
NOTATIS CHFD	
PROFILE	
NOTE BOOK	
NO.	



POINT	STATION	OFFSET	PR ELEV
14-A	43+29.12	43.44' LT	(681.21)
14-B	43+32.03	44.34' LT	(681.04)
14-C	43+29.76	39.53' LT	681.13
14-D	43+32.75	40.33' LT	681.01
14-E	43+30.23	35.57' LT	681.05
14-F	43+33.34	36.08' LT	680.99
14-G	43+30.47	31.58' LT	680.91
14-H	43+33.68	31.79' LT	680.85
14-I	43+12.76	27.68' LT	(681.90)
14-J	43+16.89	27.66' LT	681.85
14-K	43+27.61	27.59' LT	680.89
14-L	43+33.86	27.68' LT	680.81
14-M	43+34.97	26.84' LT	680.82
14-N	43+12.75	22.68' LT	681.83
14-O	43+16.87	22.66' LT	681.78
14-P	43+27.59	22.59' LT	680.92
14-Q	43+30.11	22.58' LT	680.89
14-R	43+31.83	22.28' LT	680.90
14-S	43+38.92	42.04' LT	680.41
14-T	43+48.38	25.78' LT	680.65
14-U	43+48.38	20.77' LT	680.69
14-V	43+58.48	40.75' LT	680.23
14-W	43+62.31	26.44' LT	680.39
14-X	43+63.81	26.62' LT	680.38
14-Y	43+75.62	28.70' LT	680.52
14-Z	43+77.95	32.77' LT	680.55
14-AA	43+80.57	35.02' LT	(680.58)
14-AB	43+65.64	21.83' LT	680.46
14-AC	43+67.44	22.09' LT	680.45
14-AD	43+76.41	23.79' LT	680.52
14-AE	43+83.88	23.50' LT	680.58
14-AF	43+84.36	28.47' LT	680.58

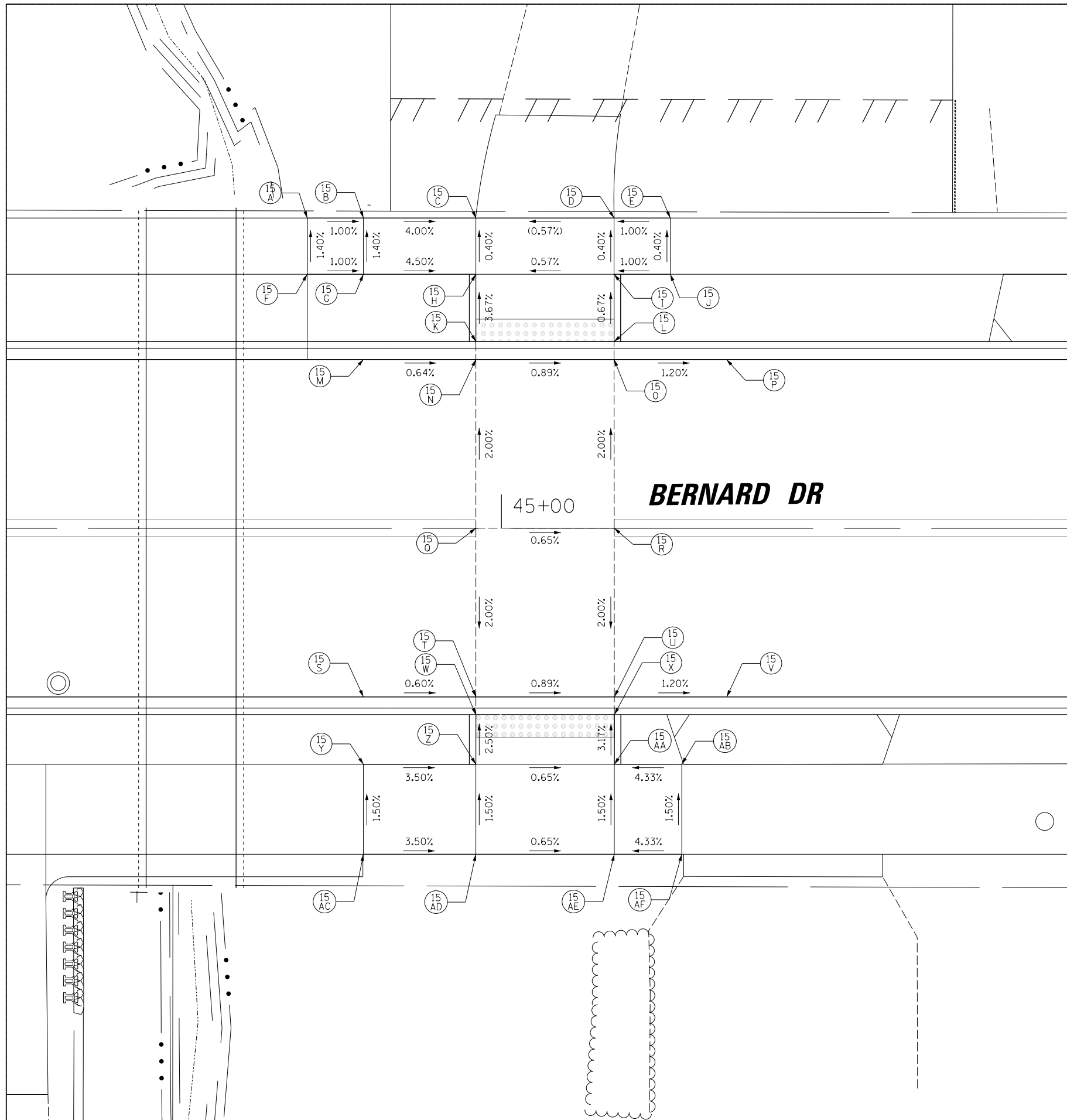
(XXX.XX) = EXISTING ELEVATION



FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BERNARD DRIVE ADA RAMP DETAILS</b>	MUN. RT. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\BuffaloGrove\200385_C2\Civil\1\01xxxx-ht-C2.ADA_14.dgn	DRAWN - JAJ	REVISOR -	1581			20-00108-02-R5	COOK	164	77	
Default	PLOT SCALE = 5'	CHECKED - LMF	REVISOR -			CONTRACT NO. 61K63				
	PLOT DATE = 7/10/2024	DATE -	REVISOR -			SCALE:	SHEET 14 OF 19 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	BY
	STRUCTURE	
	NOT AT THIS OFFICE	
	NO.	



POINT	STATION	OFFSET	PR ELEV
15-A	44+82.73	27.58' LT	681.61
15-B	44+87.73	27.58' LT	681.56
15-C	44+97.73	27.58' LT	(680.85)
15-D	45+10.03	27.58' LT	(680.92)
15-E	45+15.03	27.58' LT	680.97
15-F	44+82.73	22.58' LT	681.54
15-G	44+87.73	22.58' LT	681.49
15-H	44+97.73	22.58' LT	680.87
15-I	45+10.03	22.58' LT	680.94
15-J	45+15.03	22.58' LT	680.99
15-K	44+97.73	16.58' LT	681.05
15-L	45+10.03	16.58' LT	680.97
15-M	44+88.31	15.00' LT	681.10
15-N	44+97.73	15.00' LT	681.06
15-O	45+10.03	15.00' LT	680.98
15-P	45+20.03	15.01' LT	680.89
15-Q	44+97.73	0.00' RT	681.36
15-R	45+10.04	0.00' RT	681.28
15-S	44+87.73	15.00' RT	681.10
15-T	44+97.73	15.00' RT	681.06
15-U	45+10.05	15.00' RT	680.98
15-V	45+20.05	15.00' RT	680.89
15-W	44+97.73	16.58' RT	681.05
15-X	45+10.05	16.58' RT	680.97
15-Y	44+87.73	21.00' RT	681.55
15-Z	44+97.73	21.00' RT	681.20
15-AA	45+10.05	21.00' RT	681.12
15-AB	45+16.05	21.00' RT	681.38
15-AC	44+87.73	29.00' RT	681.67
15-AD	44+97.73	29.00' RT	681.32
15-AE	45+10.05	29.00' RT	681.24
15-AF	45+16.05	29.00' RT	681.50

(XXX.XX) = EXISTING ELEVATION



FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
N:\BuffaloGrove\200385_C2\Civil\01xxxx-ht-C2.ADA_15.dgn		DRAWN - JAJ	REVISED -
Default		CHECKED - LMF	REVISED -
	PLOT DATE = 7/10/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BERNARD DRIVE  
ADA RAMP DETAILS**

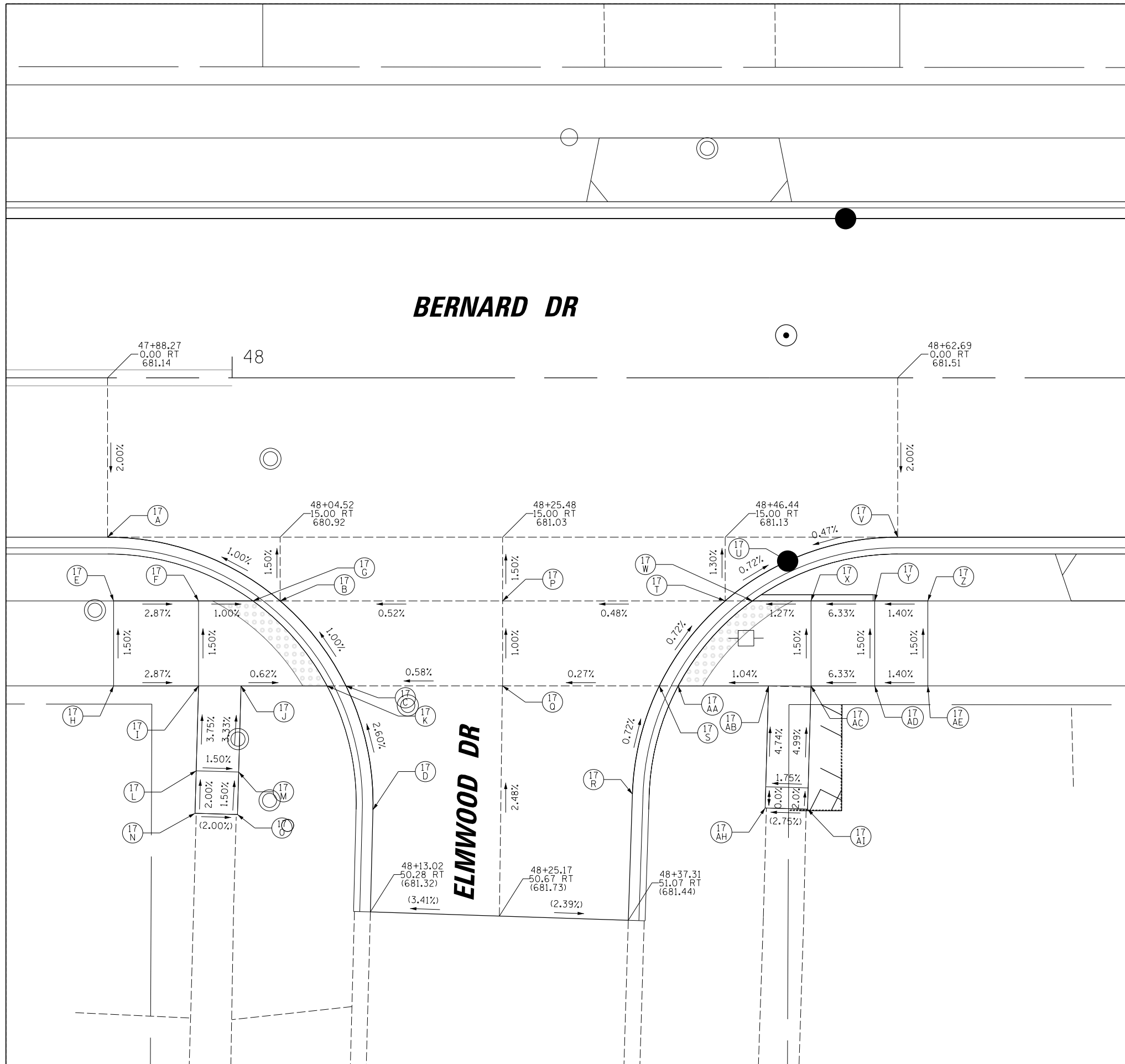
SCALE: SHEET 15 OF 19 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	78
CONTRACT NO. 61K63				
ILLINOIS FED. AID PROJECT				



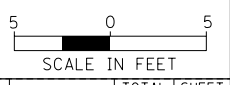
PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	BY
	STRUCTURE	
	NOT AT THIS CHFD	
	NO.	



POINT	STATION	OFFSET	PR ELEV
17-A	47+88.27	15.00' RT	680.84
17-B	48+04.52	21.00' RT	681.01
17-C	48+10.72	29.00' RT	681.11
17-D	48+13.26	40.67' RT	(681.42)
17-E	47+88.84	21.00' RT	681.31
17-F	47+96.84	21.00' RT	681.08
17-G	48+01.96	21.00' RT	681.03
17-H	47+88.84	29.00' RT	(681.43)
17-I	47+96.84	29.00' RT	681.20
17-J	48+00.84	29.00' RT	681.17
17-K	48+08.95	29.00' RT	681.12
17-L	47+96.62	37.00' RT	681.50
17-M	48+00.62	37.11' RT	681.44
17-N	47+96.51	41.00' RT	(681.58)
17-O	48+00.51	41.11' RT	681.50
17-P	48+25.48	21.00' RT	681.12
17-Q	48+25.46	29.00' RT	681.20
17-R	48+37.65	40.62' RT	(681.36)
17-S	48+40.24	29.00' RT	681.28
17-T	48+46.44	21.00' RT	681.22
17-U	48+52.32	17.25' RT	681.16
17-V	48+62.69	15.00' RT	681.21
17-W	48+49.00	21.00' RT	681.20
17-X	48+54.52	21.00' RT	681.27
17-Y	48+60.52	21.00' RT	681.65
17-Z	48+65.52	21.00' RT	681.72
17-AA	48+42.01	29.00' RT	681.26
17-AB	48+50.52	29.00' RT	681.35
17-AC	48+54.52	29.00' RT	681.39
17-AD	48+60.52	29.00' RT	681.77
17-AE	48+65.52	29.00' RT	681.84
17-AF	48+50.26	38.50' RT	681.80
17-AG	48+54.26	38.61' RT	681.87
17-AH	48+50.20	40.50' RT	(681.80)
17-AI	48+54.20	40.61' RT	(681.91)

(XXX.XX) = EXISTING ELEVATION

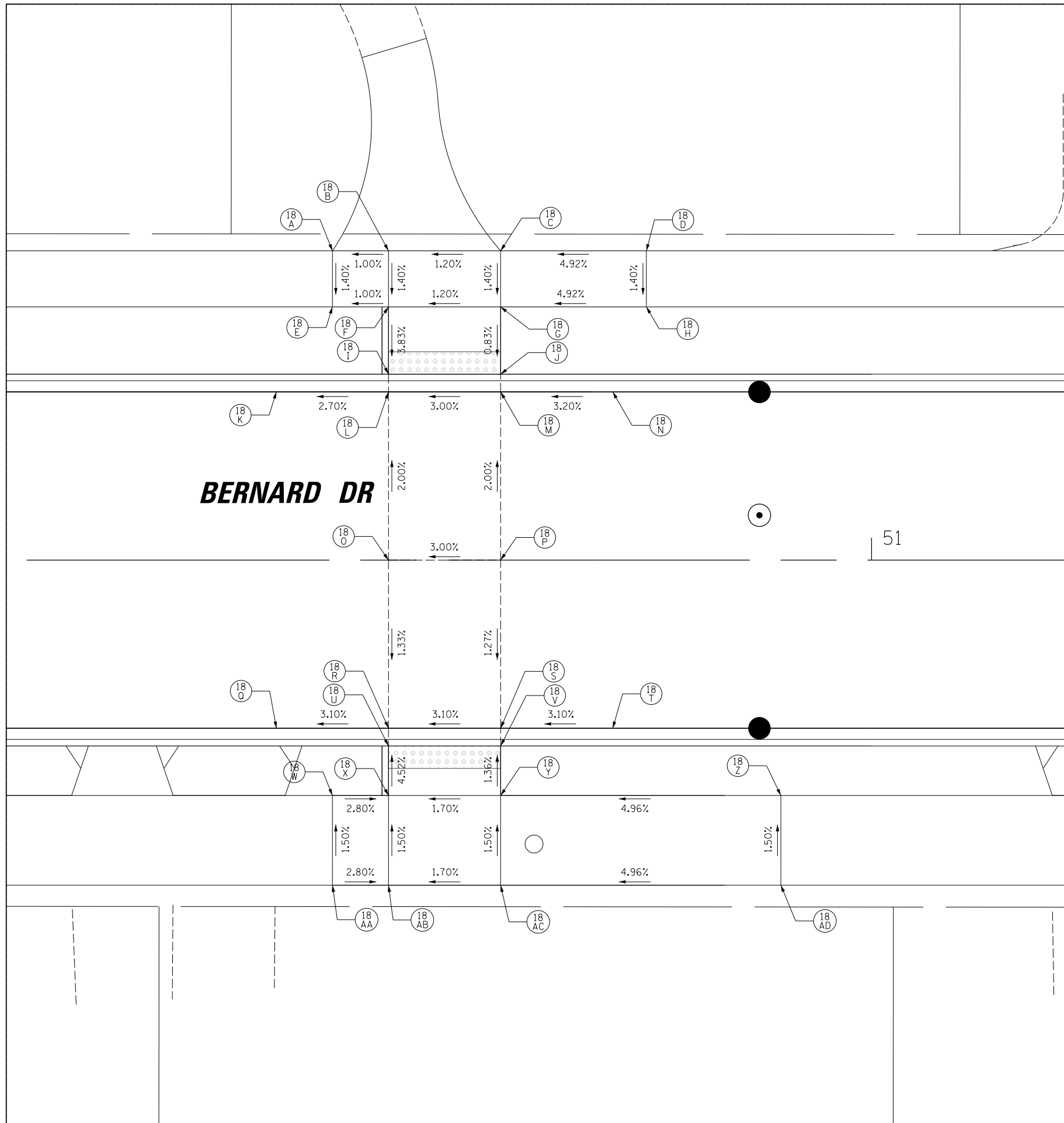


FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BERNARD DRIVE ADA RAMP DETAILS</b>	MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\BuffaloGrove\200385_C2\Civil\1\01xxxxx-ht-C2.ADA_17.dgn	DRAWN - JAJ	REVISIED -	1581			20-00108-02-R5	COOK	164	80		
Default	PLOT SCALE = 5'	CHECKED - LMF	REVISIED -			CONTRACT NO. 61K63					
	PLOT DATE = 7/10/2024	DATE -	REVISIED -			ILLINOIS FED. AID PROJECT					



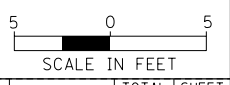
PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	CHECKED	
	AT	
	FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
NO.	STRUCTURE	
	NOT AT THIS OFFICE	



POINT	STATION	OFFSET	ELEV.
18-A	50+51.91	27.58' LT	683.69
18-B	50+56.91	27.58' LT	683.74
18-C	50+66.91	27.58' LT	683.86
18-D	50+79.91	27.58' LT	(684.50)
18-E	50+51.91	22.58' LT	683.62
18-F	50+56.91	22.58' LT	683.67
18-G	50+66.91	22.58' LT	683.79
18-H	50+79.91	22.58' LT	684.43
18-I	50+56.91	16.58' LT	683.44
18-J	50+66.91	16.58' LT	683.74
18-K	50+46.91	15.00' LT	683.18
18-L	50+56.91	15.00' LT	683.45
18-M	50+66.91	15.00' LT	683.75
18-N	50+76.91	15.00' LT	684.07
18-O	50+56.91	0.00' RT	683.75
18-P	50+66.91	0.00' RT	684.05
18-Q	50+46.91	15.00' RT	683.25
18-R	50+56.91	15.00' RT	683.55
18-S	50+66.91	15.00' RT	683.86
18-T	50+76.91	15.00' RT	684.17
18-U	50+56.91	16.58' RT	683.54
18-V	50+66.91	16.58' RT	683.85
18-W	50+51.91	21.00' RT	683.88
18-X	50+56.91	21.00' RT	683.74
18-Y	50+66.91	21.00' RT	683.91
18-Z	50+91.91	21.00' RT	685.15
18-AA	50+51.91	29.00' RT	684.00
18-AB	50+56.91	29.00' RT	683.86
18-AC	50+66.91	29.00' RT	684.03
18-AD	50+91.91	29.00' RT	(685.27)

(XXX.XX) = EXISTING ELEVATION



FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
N:\BuffaloGrove\200385_C2\Civil\1\101xxxxx-ht-C2.ADA_18.dgn		DRAWN - JAJ	REVISED -
Default	PLOT SCALE = 5'	CHECKED - LMF	REVISED -
	PLOT DATE = 7/10/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

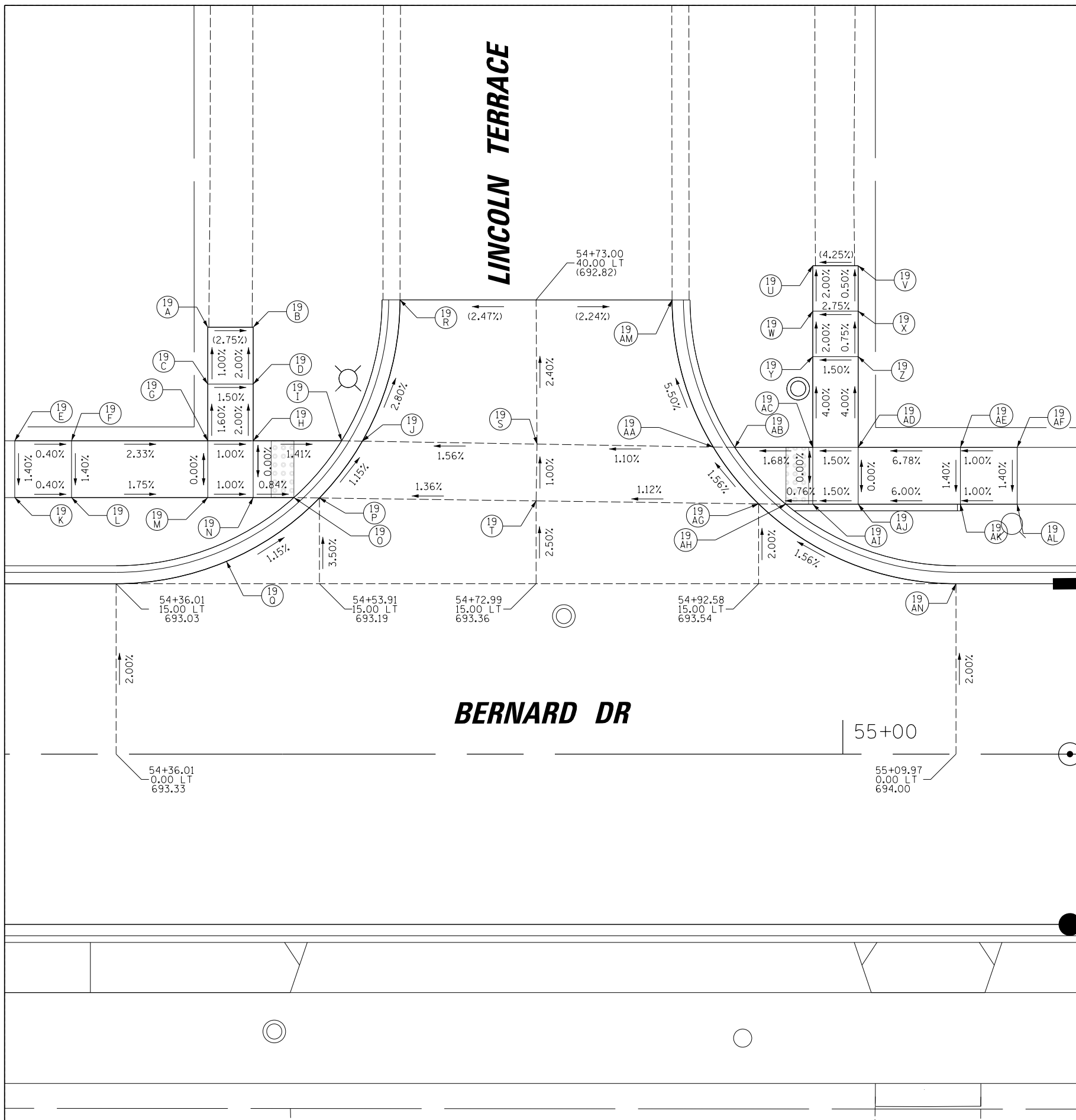
**BERNARD DRIVE  
ADA RAMP DETAILS**

SCALE: SHEET 18 OF 19 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	81
CONTRACT NO. 61K63				
ILLINOIS FED. AID PROJECT				

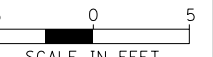
DATE		BY	
PLAN	SURVEYED	CHECKED	
	PLOTTED	AT 11:00 AM	
		CADD FILE NAME	
NOTE BOOK			
NO.			

DATE		BY	
PROFILE	SURVEYED	CHECKED	
	PLOTTED	AT 11:00 AM	
		STRUCTURE	NOT AT THIS OFFICE
NOTE BOOK			
NO.			



POINT	STATION	OFFSET	ELEV.
19-A	54+44.08	37.58' LT	(692.89)
19-B	54+48.08	37.58' LT	(692.78)
19-C	54+44.08	32.58' LT	(692.94)
19-D	54+48.08	32.58' LT	692.88
19-E	54+27.08	27.58' LT	693.32
19-F	54+32.08	27.58' LT	693.30
19-G	54+44.08	27.58' LT	693.02
19-H	54+48.08	27.58' LT	692.98
19-I	54+55.86	27.58' LT	692.87
19-J	54+57.69	27.55' LT	692.89
19-K	54+27.08	22.58' LT	693.25
19-L	54+32.08	22.58' LT	693.23
19-M	54+44.08	22.58' LT	693.02
19-N	54+48.08	22.58' LT	692.98
19-O	54+51.66	22.58' LT	692.95
19-P	54+53.91	22.55' LT	692.96
19-Q	54+45.72	16.97' LT	693.08
19-R	54+61.01	39.99' LT	(692.53)
19-S	54+73.07	27.29' LT	693.13
19-T	54+72.99	22.30' LT	693.18
19-U	54+97.36	43.00' LT	(692.92)
19-V	55+01.36	43.00' LT	(693.09)
19-W	54+97.36	39.00' LT	693.00
19-X	55+01.36	39.00' LT	693.11
19-Y	54+97.36	35.00' LT	693.08
19-Z	55+01.36	35.00' LT	693.14
19-AA	54+88.59	27.03' LT	693.30
19-AB	54+90.49	27.00' LT	693.28
19-AC	54+97.36	27.00' LT	693.40
19-AD	55+01.36	27.00' LT	693.46
19-AE	55+10.36	27.00' LT	694.07
19-AF	55+15.36	27.00' LT	694.12
19-AG	54+92.58	22.03' LT	693.40
19-AH	54+94.99	22.00' LT	693.38
19-AI	54+97.36	22.00' LT	693.40
19-AJ	55+01.36	22.00' LT	693.46
19-AK	55+10.36	22.00' LT	694.00
19-AL	55+15.36	22.00' LT	694.05
19-AM	54+84.97	39.98' LT	(692.56)
19-AN	55+09.97	15.00' LT	693.70

(XXX.XX) = EXISTING ELEVATION



FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
N:\BuffaloGrove\200385.C2\Civil\19\19xxxx-ht-C2.ADA.19.dgn		DRAWN - JAJ	REVISED -
Default	PLOT DATE = 7/10/2024	CHECKED - LMF	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BERNARD DRIVE  
ADA RAMP DETAILS**

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

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	82
CONTRACT NO. 61K63				
ILLINOIS FED. AID PROJECT				

COUNTY HIGHWAY	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
V69	2010	75	151

SECTION: 09-V6946-03-RP

**LEGEND**

EXISTING	PROPOSED	
		CONTROLLER
		SERVICE INSTALLATION
		SIGNAL HEAD
		SIGNAL HEAD, OPTICALLY PROGRAMMED
		SIGNAL HEAD AND POST
		SIGNAL HEAD WITH BACKPLATE
		SIGNAL HEAD, PEDESTRIAN
		SIGNAL POST
		MAST ARM ASSEMBLY AND POLE, STEEL
		MAST ARM ASSEMBLY AND POLE, ALUMINUM
		HANDHOLE
		HEAVY DUTY HANDHOLE
		DOUBLE HANDHOLE
		GALVANIZED STEEL CONDUIT
		CONDUIT SPLICE
		20'-1"-T IN TRENCH
		SIZE OF CONDUIT
		LENGTH OF CONDUIT
		20'-1"-P PUSHED
		20'-1"-UD UNIT DUCT
		EXISTING CONDUIT
		EMERGENCY VEHICLE SYSTEM DETECTOR
		CONFIRMATION BEACON
		PEDESTRIAN PUSHBUTTON
		DETECTOR LOOP
		PREFORMED LOOP DETECTOR
		UNINTERRUPTIBLE POWER SUPPLY

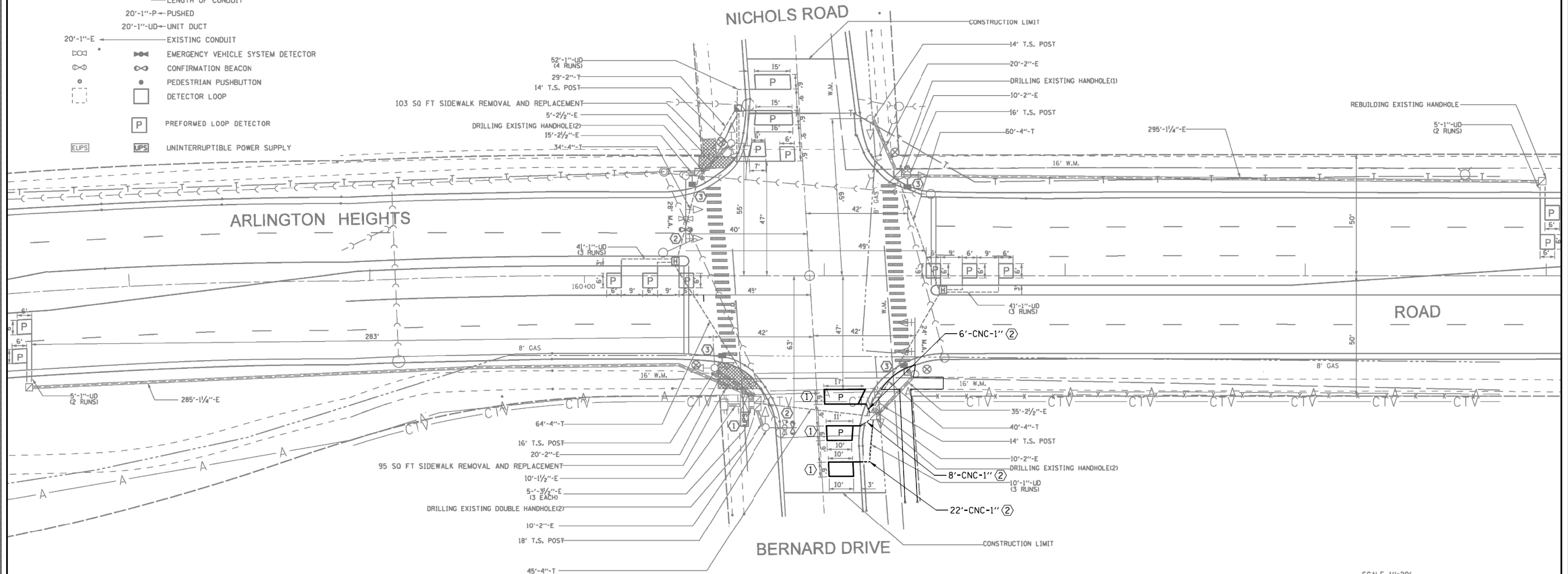
**CONSTRUCTION NOTES:**

- ① THE CONTRACTOR SHALL REPLACE THE WESTBOUND DETECTOR LOOPS THAT ARE DAMAGED BY THE ROADWAY RECONSTRUCTION WORK ON BERNARD DRIVE.
- ② THE CONTRACTOR SHALL INSTALL NEW LEAD-IN CABLE FOR ALL DETECTOR LOOPS BEING REPLACED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING LEAD-IN CABLE.



DATE	BY
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SCALE 1"=20'

COUNTY OF COOK  
DEPARTMENT OF HIGHWAYS

TRAFFIC SIGNAL INSTALLATION  
ARLINGTON HEIGHTS ROAD AT  
BERNARD DRIVE/NICHOLS ROAD  
(DESIGN PLAN)

COMPUTED FL APPROVED                          20  
DRAWN FL  
CHECKED PLW/RJJ

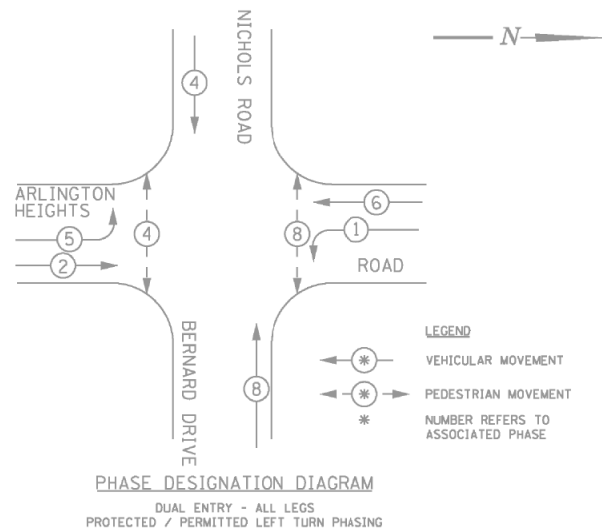
CHIEF ENGINEER

FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BERNARD DRIVE TRAFFIC SIGNAL PLANS</b>	MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - JAJ	REVISED -			1581	20-00108-02-R5	COOK	164	83	
		CHECKED - LMF	REVISED -			CONTRACT NO. 61K63					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
Default	PLOT DATE = 7/10/2024	DATE -	REVISED -	SCALE:	SHEET 1 OF 4 SHEETS	STA.	TO STA.				

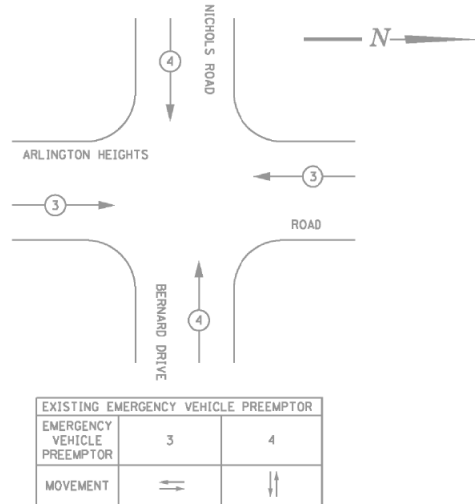
COUNTY HIGHWAY	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
V69	2010	76	151

SECTION: 09-V6946-03-RP

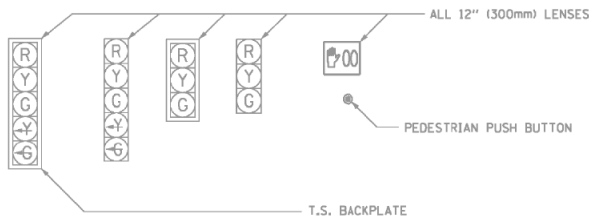
EXISTING CONTROLLER SEQUENCE



EMERGENCY VEHICLE PREEMPTION SEQUENCE



SIGNAL FACES

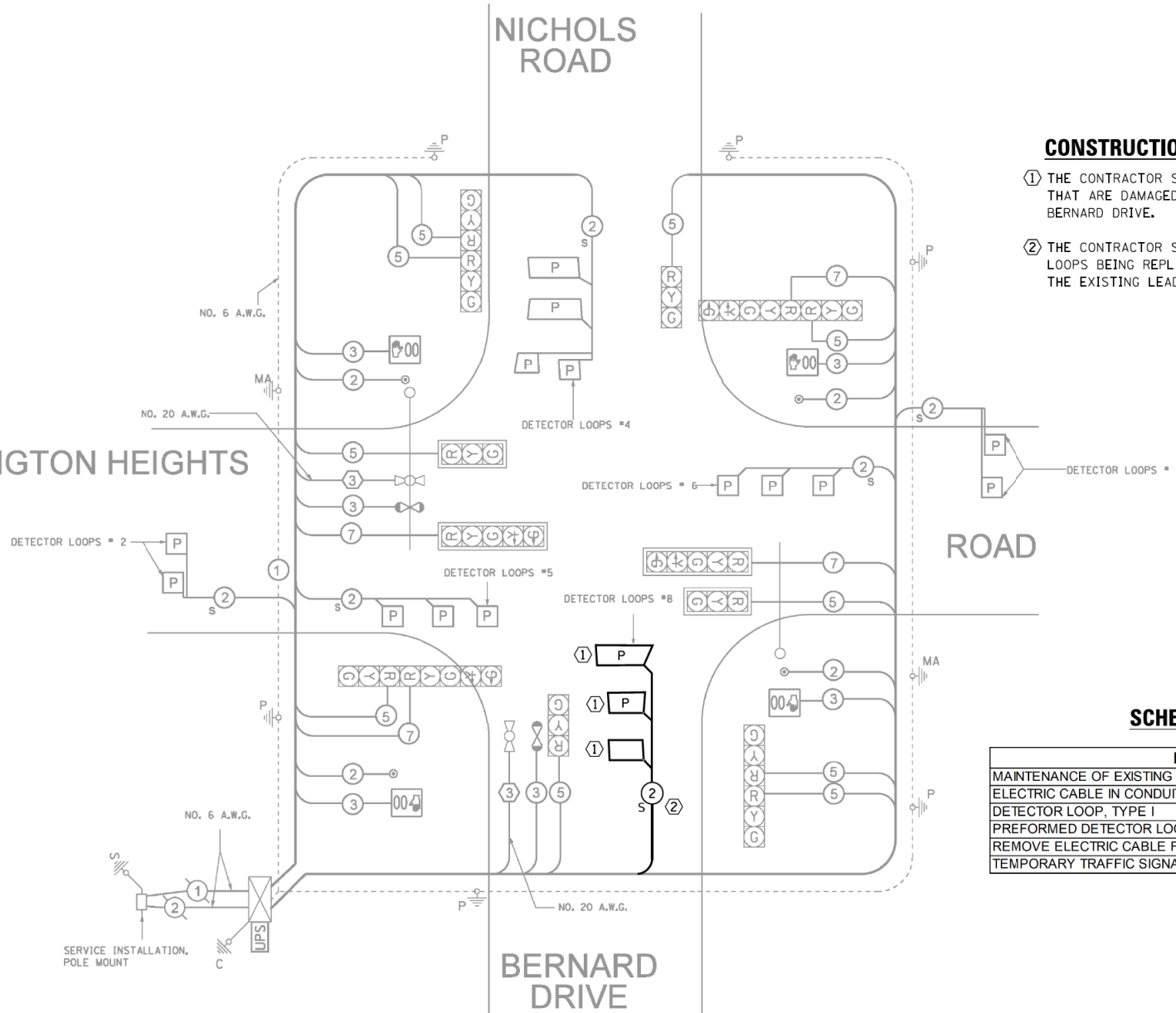


SIGNAL LENSES

- R RED
- Y YELLOW
- G GREEN
- Y- YELLOW TURN INDICATOR
- G- GREEN TURN INDICATOR



ARLINGTON HEIGHTS



CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL REPLACE THE WESTBOUND DETECTOR LOOPS THAT ARE DAMAGED BY THE ROADWAY RECONSTRUCTION WORK ON BERNARD DRIVE.
- ② THE CONTRACTOR SHALL INSTALL NEW LEAD-IN CABLE FOR ALL DETECTOR LOOPS BEING REPLACED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE EXISTING LEAD-IN CABLE.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	74
DETECTOR LOOP, TYPE 1	FOOT	35
PREFORMED DETECTOR LOOP	FOOT	82
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	74
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

CABLE PLAN  
 NOT TO SCALE

COUNTY OF COOK DEPARTMENT OF HIGHWAYS	
TRAFFIC SIGNAL INSTALLATION ARLINGTON HEIGHTS ROAD AT BERNARD DRIVE/NICHOLS ROAD CABLE PLAN	
COMPUTED FL	APPROVED _____ 20__
DRAWN FL	_____
CHECKED PLW/RLJ	_____ CHIEF ENGINEER

PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	CHECKED	
	ALIGNMENT	
	STATIONING	
	FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	GRADES CHECKED	
	STRUCTURE	
	NOTATIONS CHKD	

FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
N:\BuffaloGrove\200385_C2\Civil\01xxxxx-ht-C2.TS.02.dgn		DRAWN - JAJ	REVISED -
Default	PLOT SCALE = 28'	CHECKED - LMF	REVISED -
	PLOT DATE = 7/10/2024	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

BERNARD DRIVE  
 TRAFFIC SIGNAL PLANS

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	84
CONTRACT NO. 61K63			ILLINOIS FED. AID PROJECT	

COUNTY HIGHWAY	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
V69	2010	75	151

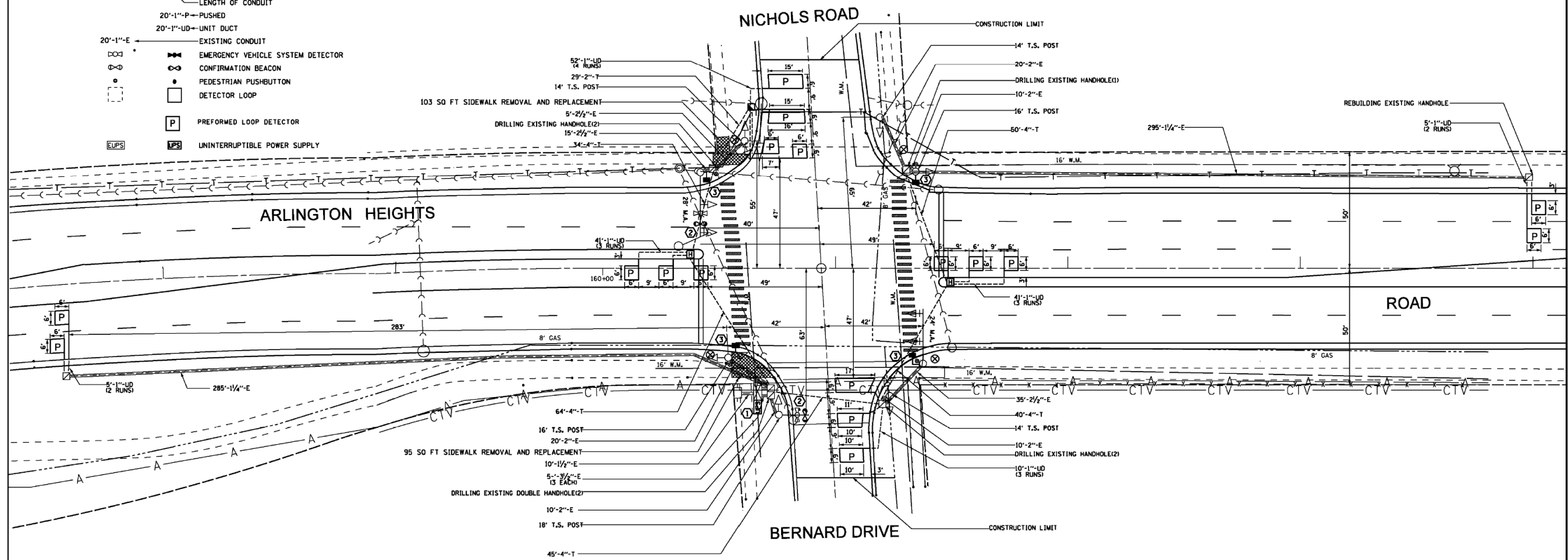
SECTION: 09-V6946-03-RP

**CONSTRUCTION NOTES**

1. INSTALL NEW UNINTERRUPTIBLE POWER SUPPLY.
2. RETROFIT EXISTING CONFIRMATION BEACON WITH NEW LED. THIS WILL BE INCLUDED IN THE PAY ITEM OF "UNINTERRUPTED POWER SUPPLY".
3. REMOVE EXISTING PEDESTRIAN SIGNAL HEAD, 1-FACE, PEDESTRIAN PUSH-BUTTON. INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, AND PEDESTRIAN PUSH-BUTTON. REUSE EXISTING CABLE.

**LEGEND**

EXISTING	PROPOSED
	CONTROLLER
	SERVICE INSTALLATION
	SIGNAL HEAD
	SIGNAL HEAD, OPTICALLY PROGRAMMED
	SIGNAL HEAD AND POST
	SIGNAL HEAD WITH BACKPLATE
	SIGNAL HEAD, PEDESTRIAN
	SIGNAL POST
	MAST ARM ASSEMBLY AND POLE, STEEL
	MAST ARM ASSEMBLY AND POLE, ALUMINUM
	HANDHOLE
	HEAVY DUTY HANDHOLE
	DOUBLE HANDHOLE
	GALVANIZED STEEL CONDUIT
	CONDUIT SPLICE
	20'-1'-T IN TRENCH
	SIZE OF CONDUIT
	LENGTH OF CONDUIT
	20'-1'-P PUSHED
	20'-1'-UD UNIT DUCT
	20'-1'-E EXISTING CONDUIT
	EMERGENCY VEHICLE SYSTEM DETECTOR
	CONFIRMATION BEACON
	PEDESTRIAN PUSHBUTTON
	DETECTOR LOOP
	EUPS
	P
	UPS



**FOR INFORMATION ONLY**

CONTRACTOR IS TO NOTIFY THE NORTHWEST WATER COMMISSION AT 847-635-0777 48 HOURS PRIOR TO START OF TRAFFIC SIGNAL WORK AT THIS INTERSECTION.

SCALE 1"=20'

COUNTY OF COOK DEPARTMENT OF HIGHWAYS			
TRAFFIC SIGNAL INSTALLATION ARLINGTON HEIGHTS ROAD AT BERNARD DRIVE/NICHOLS ROAD (DESIGN PLAN)			
COMPUTED	FL	APPROVED	20
DRAWN	FL		
CHECKED	PLW/RLJ		
CHIEF ENGINEER			

PLAN

SURVEYED	DATE
PLOTTED	BY
CHECKED	
ALIGNED	
FILE NAME	
NO.	

PROFILE

SURVEYED	DATE
GRADES CHECKED	BY
STRUCTURE	
NOT AT THIS OFFICE	
NO.	

FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
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	PLOT DATE = 7/10/2024	DATE -	REVISED -

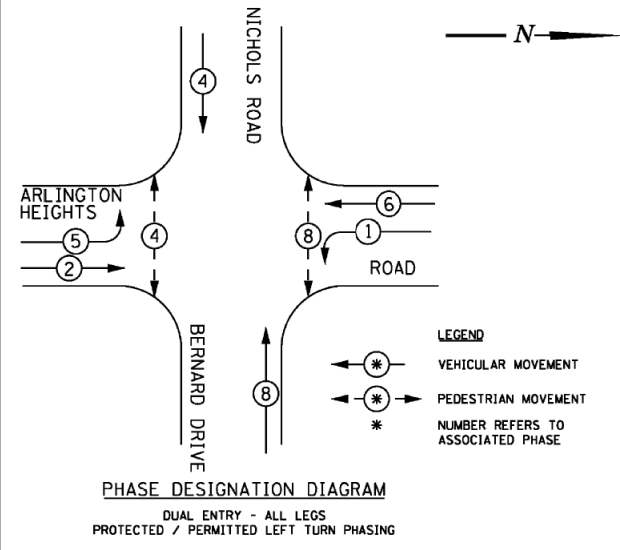
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BERNARD DRIVE  
TRAFFIC SIGNAL PLANS**

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

MUN. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	85
CONTRACT NO. 61K63			ILLINOIS FED. AID PROJECT	

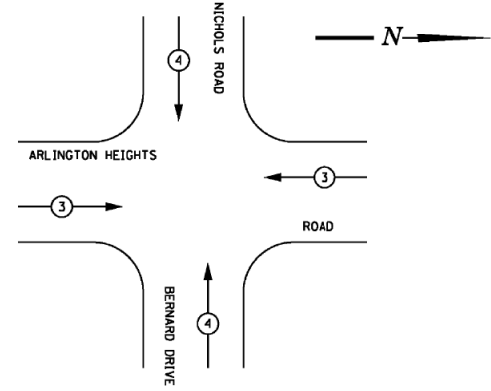
EXISTING CONTROLLER SEQUENCE



**PHASE DESIGNATION DIAGRAM**  
 DUAL ENTRY - ALL LEGS  
 PROTECTED / PERMITTED LEFT TURN PHASING

**LEGEND**  
 \* VEHICULAR MOVEMENT  
 \* PEDESTRIAN MOVEMENT  
 \* NUMBER REFERS TO ASSOCIATED PHASE

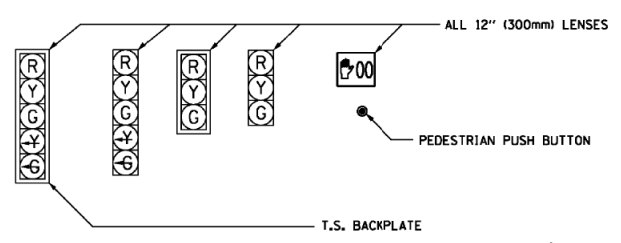
EMERGENCY VEHICLE PREEMPTION SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTOR		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	→

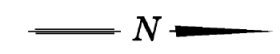
**FOR INFORMATION ONLY**

SIGNAL FACES



SIGNAL LENSES

- R RED
- Y YELLOW
- G GREEN
- Y GREEN TURN INDICATOR
- G GREEN TURN INDICATOR



CABLE PLAN LEGEND

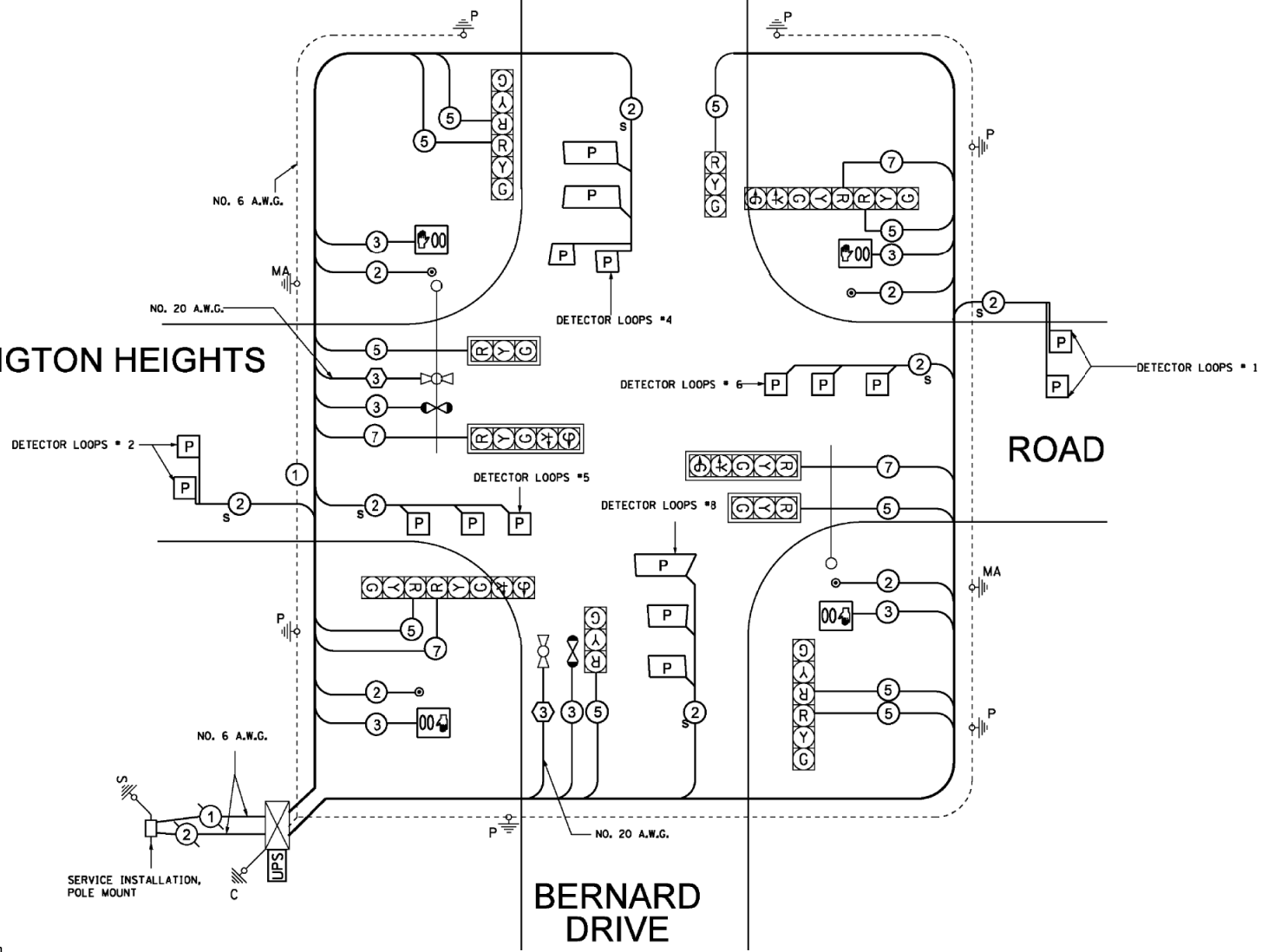
	PROPOSED	EXISTING
CONTROLLER CABINET		
SERVICE INSTALLATION		
8" (200mm) TRAFFIC SIGNAL SECTION		
12" (300mm) TRAFFIC SIGNAL SECTION		
12" (300mm) PEDESTRIAN SIGNAL SECTION		
2		
DENOTES NUMBER OF CONDUCTORS ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE TWISTED AND SHIELDED.		
TELEPHONE INSTALLATION		
VEHICLE DETECTOR, INDUCTION LOOP		
SHIELDED & TWISTED		
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIRMATION BEACON		
OPTICOM CABLE, NO. 20		
12" (300mm) PEDESTRIAN SIGNAL HEAD		
PUSHBUTTON DETECTOR		
SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.		
GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), CONTROLLER (C), SERVICE (S).		
16" (406mm) x 18" (457mm) PEDESTRIAN COUNTDOWN SIGNAL HEAD		
PERFORMED LOOP DETECTOR		
UNINTERRUPTIBLE POWER SUPPLY		

ARLINGTON HEIGHTS

NICHOLS ROAD

ROAD

BERNARD DRIVE



**CABLE PLAN**  
 NOT TO SCALE

- NOTE:**
- THIS IS A SYSTEM GROUND THAT SHALL INTERCONNECT ALL GROUND RODS WITH NO. 6 1C COPPER AWG.
  - THE NEUTRAL AND GROUND SHALL BE TIED AT THE SERVICE INSTALLATION BUT SEPARATE AT THE TRAFFIC CABINET.

COUNTY OF COOK DEPARTMENT OF HIGHWAYS			
TRAFFIC SIGNAL INSTALLATION ARLINGTON HEIGHTS ROAD AT BERNARD DRIVE/NICHOLS ROAD CABLE PLAN			
COMPUTED	FL	APPROVED	20
DRAWN	FL		
CHECKED	PLW/RJ		

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Default		CHECKED - LMF	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

BERNARD DRIVE  
 TRAFFIC SIGNAL PLANS

SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	86
CONTRACT NO. 61K63			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	CHECKED	
	BY	

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	GRADES CHECKED	
	STRUCTURE NOT AT THIS OFFICE	

Bench Mark: G108 Elev. 680.29  
 Existing Structure: The existing structure consist of single 94"x66" CMP  
 U/S Inv. 673.60 and D/S Inv. 673.19  
 Road will be closed to traffic during construction.  
 No salvage

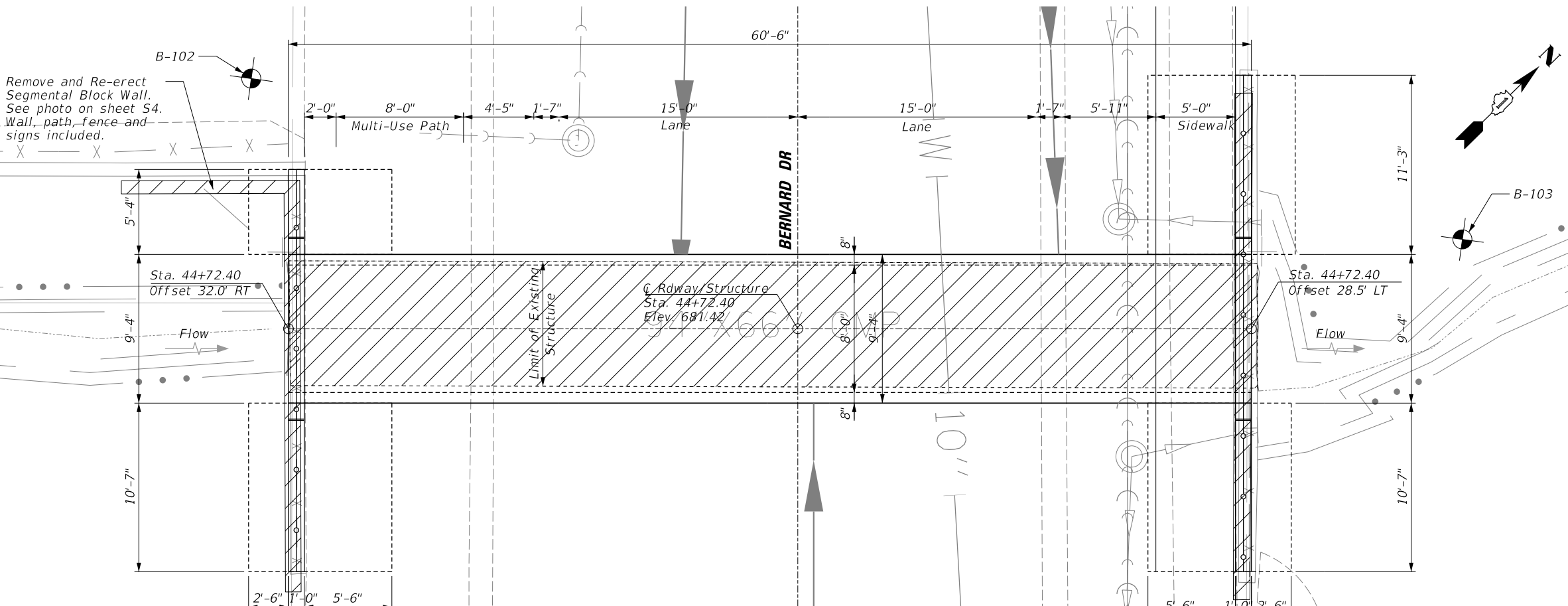
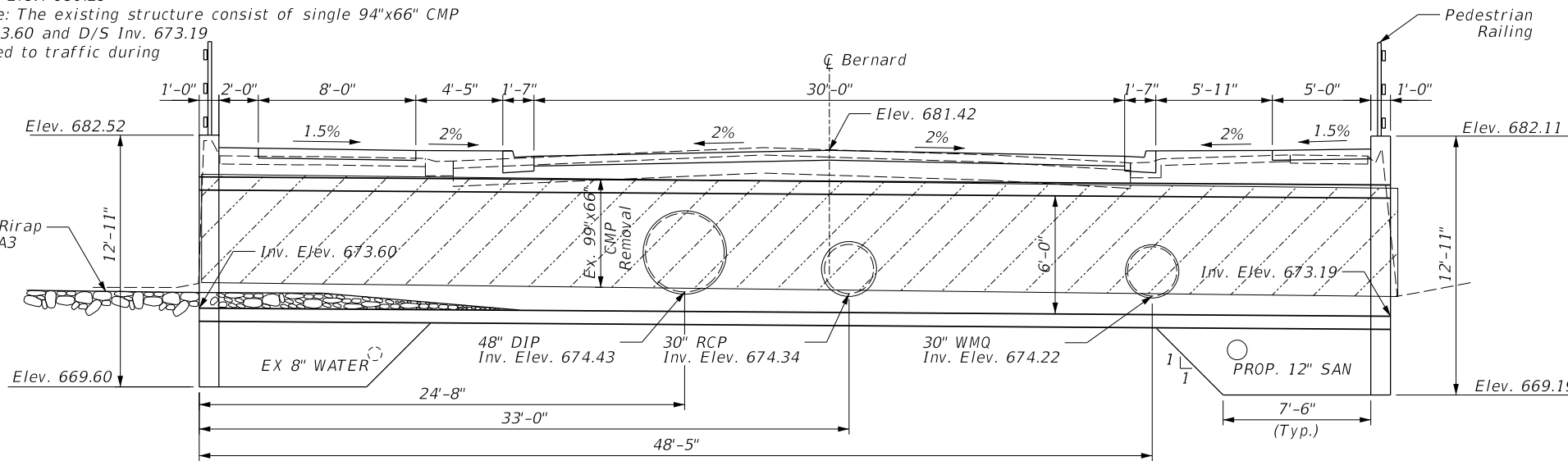
**GENERAL NOTES**

The design fill height for this box is 1 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.

Drain holes shall be provided on exterior culvert walls for each precast box segment and end section with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.

Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.

Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment in the required excavation areas on the sides of the box culvert from the top of the box culvert to the bottom of the box culvert. This area of PGE is included in the Porous Granular Embankment pay item. The 6-inch thick layer of porous granular material required under the precast concrete box culvert, according to Section 540.06 of the standard specifications, shall also apply to the end sections. Cost of this porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.



**LOADING HL-93**

Allow 50#/sq. ft. for future wearing surface.

**DESIGN SPECIFICATIONS**  
 2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

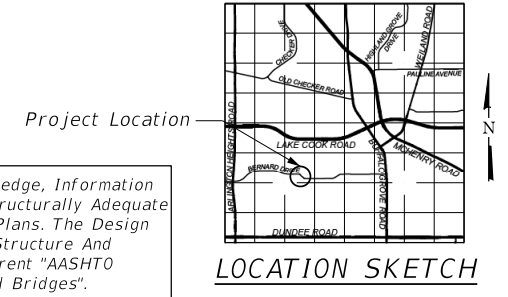
**DESIGN STRESSES**

**FIELD UNITS**

f'c = 3,500 psi  
 fy = 60,000 psi (Reinforcement)

**PRECAST UNITS**

f'c = 5,000 psi  
 fy = 60,000 psi (Reinforcement)  
 fy = 65,000 psi (Welded Wire Reinforcement)



I Certify That To The Best Of My Knowledge, Information And Belief, This Structure Design Is Structurally Adequate For The Design Loading Shown On The Plans. The Design Is An Economical One For The Syle Of Structure And Complies With Requirements Of The Current "AASHTO Standard Specification For Highway And Bridges".

Jeff Barnett 06/11/24



**JEFF BARNETT**  
 ILLINOIS REGISTRATION No. 081-008359  
 STRUCTURAL ENGINEER  
 EXPIRATION DATE: 11/30/24

**GENERAL PLAN AND ELEVATION  
 BERNARD DRIVE OVER  
 WHITE PINES DITCH  
 COOK COUNTY  
 STA. 44+72.40**

**WATERWAY INFORMATION**

Drainage Area = 0.8 sq mi Low Grade Elev. 680.10 @ Sta. 46+00

Flood Event	Freq. Yr.	Q C.F.S.	Opening Ft <sup>2</sup>		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.		
Design	10	98	12	22	677.1	0.7	0.3	677.8	677.4
	30	146	16	26	677.6	1.0	0.7	678.6	678.3
	50	176	19	28	677.9	1.3	1.0	679.2	678.9
Base	100	230	21	31	678.3	1.8	1.5	680.1	679.8
Overtop Exist.	~197	270	23	-	678.6	2.5	-	681.1	-
Overtop Prop.	~450	~350	26	37	679.0	-	2.4	-	681.4
Max. Calc.	500	350	26	37	679.0	3.0	2.6	682.0	681.6

10-Year Velocity through Existing Structure = 8.2 ft/s  
 10-Year Velocity through Proposed Structure = 4.5 ft/s

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		CHECKED - MM	REVISED -
Default	PLOT DATE = 7/25/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BERNARD DRIVE BOX CULVERT  
 GENERAL PLAN AND ELEVATION**

SCALE: NTS SHEET S1 OF S7 SHEETS STA. 44+72.40 TO STA. \_\_\_\_\_

MUN. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	87
CONTRACT NO. 61K63			ILLINOIS FED. AID PROJECT	

**GENERAL NOTES**

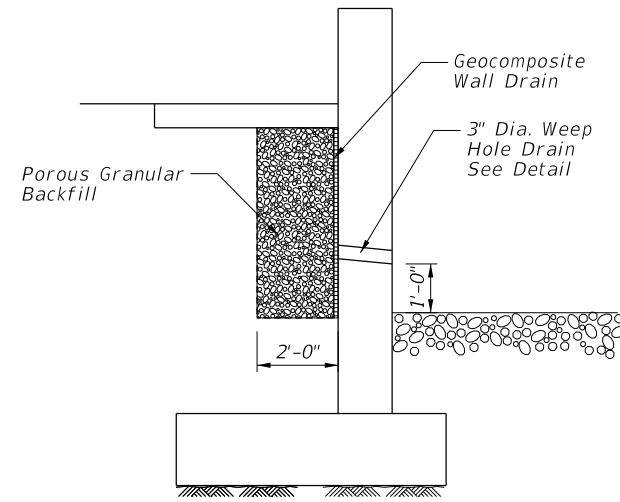
1. All work and materials shall be in accordance with the Illinois Department of Transportation (IDOT) Standard Specifications for Road and Bridge Construction adopted January 1, 2022 and the IDOT Supplemental Specifications and Recurring Special Provisions, Adopted January 1, 2024, unless noted otherwise.
2. The Contractor shall verify all dimensions in the field prior to commencing work. The engineer shall be notified of any discrepancies which may exist, prior to proceeding with the work.
3. Any information concerning type or location of underground and other utilities is not guaranteed to be accurate or all inclusive. The Contractor is responsible for making his own determinations as to the type and location of the utilities as may be necessary to avoid damage thereto. Contractor shall call J.U.L.I.E. prior to excavation.
4. The excavation and work area shall be properly drained at all times during construction. All wet, loose, frozen or other unsuitable material shall be removed prior to placement of concrete or compacted backfill. The cost of any pumping required shall be included in the cost of Precast Concrete Box Culverts.
5. Foundation design is based on soil information provided in Testing Service Corporation Report L-93, 354, dated December 16, 2021. Contractor shall have a geotechnical engineer to field verify the allowable bearing capacity under the box culvert and wingwall exceeds 3000 psf. Cost included in "Precast Concrete Box Culverts".
6. It shall be the responsibility of the Contractor to divert the stream flow during construction in order to keep the construction areas free of water. The method of water diversion shall be subject to the approval of the Engineer and cost shall be included with "Dewatering".
7. Quantities for Rock Fill and Removal and Disposal of Unsuitable Material for Structures have been added to the contract to be used at the discretion of the Engineer.
8. For backfilling and embankment, see Standard Specifications.

**CAST-IN-PLACE CONCRETE NOTES:**

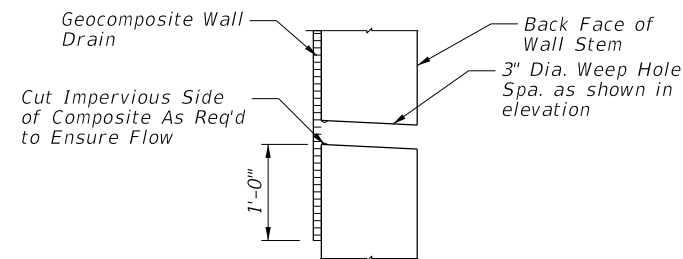
1. All cast-in-place concrete work shall be in accordance with section 503 of the Illinois Department of Transportation (IDOT) Standard Specifications for Road and Bridge Construction.
2. Reinforcement bars shall conform to the requirements of ASTM A 706 GR60.
3. Exposed edges of cast-in-place concrete shall be beveled 3/4".
4. All construction joints shall be bonded.
5. Cover from the face of concrete to face of reinforcement bars shall be 3" for surfaces cast against earth and 2" for all other surfaces unless otherwise noted.
6. Contractor shall coordinate with Precast Box Culvert Manufacturer to account for possible creep between box segments.

**PRECAST CONCRETE BOX CULVERT**

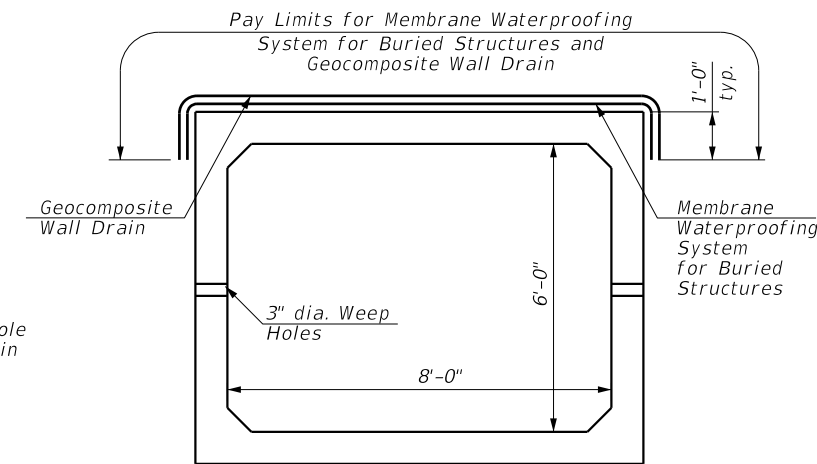
1. All precast concrete box culvert work shall be in accordance with sections 504 and 540 of the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction.
2. The precast concrete box culvert is a performance based system. The contractor shall be responsible for providing the design, engineering, fabrication and installation of the precast concrete box culvert. The contractor shall submit to the engineer calculations and shop drawings sealed by a Structural Engineer licensed in the state of Illinois for review prior to fabricating the precast concrete box culvert. Precast concrete box culverts shall conform to the requirements of ASTM C1577. The shop drawings shall include the bar splicers locations and details.
3. Bar splicers shall be installed at the locations shown on the drawings by the precast concrete box culvert manufacturer. Cost of bar splicers are included in Precast Box Culverts.



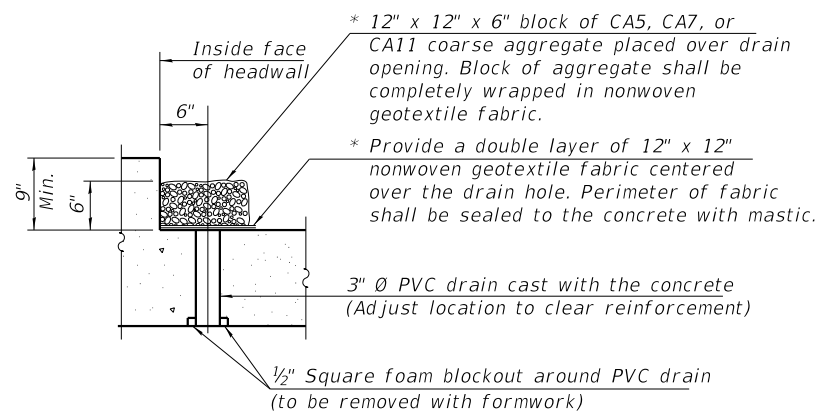
**TYPICAL SECTION THRU WALL**



**WEEP HOLE DRAIN DETAIL**



**MEMBER WATERPROOFING FOR BURIED STRUCTURES**



**DRAIN DETAIL**

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the Precast Concrete Box Culvert, 8'x6')

Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.

**TOTAL BILL OF MATERIAL**

PAY ITEM	ITEM	UNIT	QUANTITY
20700220	POROUS GRANULAR EMBANKMENT	CU YD	287
20900110	POROUS GRANULAR BACKFILL	CU YD	26
50104400	CONCRETE HEADWALL REMOVAL	EACH	2
50105220	PIPE CULVERT REMOVAL	FOOT	61
50200100	STRUCTURE EXCAVATION	CU YD	550
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	30
50800205	REINFORCEMENT BARS, EPOXY COATED	EACH	5850
50900805	PEDESTRIAN RAILING	FOOT	57
52200900	CONCRETE STRUCTURES (RETAINING WALL)	CU YD	43.2
54010806	PRECAST CONCRETE BOX CULVERTS 8' X 6'	FOOT	60.5
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	110
X5021507	DEWATERING	L SUM	1
X5810103	WATERPROOFING MEMBRANE SYSTEM FOR BURIED STRUCTURES	SQ YD	74
XX006188	REMOVE AND RE-ERECT SEGMENTAL BLOCK RETAINING WALL	SQ FT	50
Z0054400	ROCK FILL	CU YD	30

PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	CHECKED	
	FILED	

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	CHECKED	
	FILED	

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BERNARD DRIVE BOX CULVERT  
GENERAL NOTES AND DETAILS**

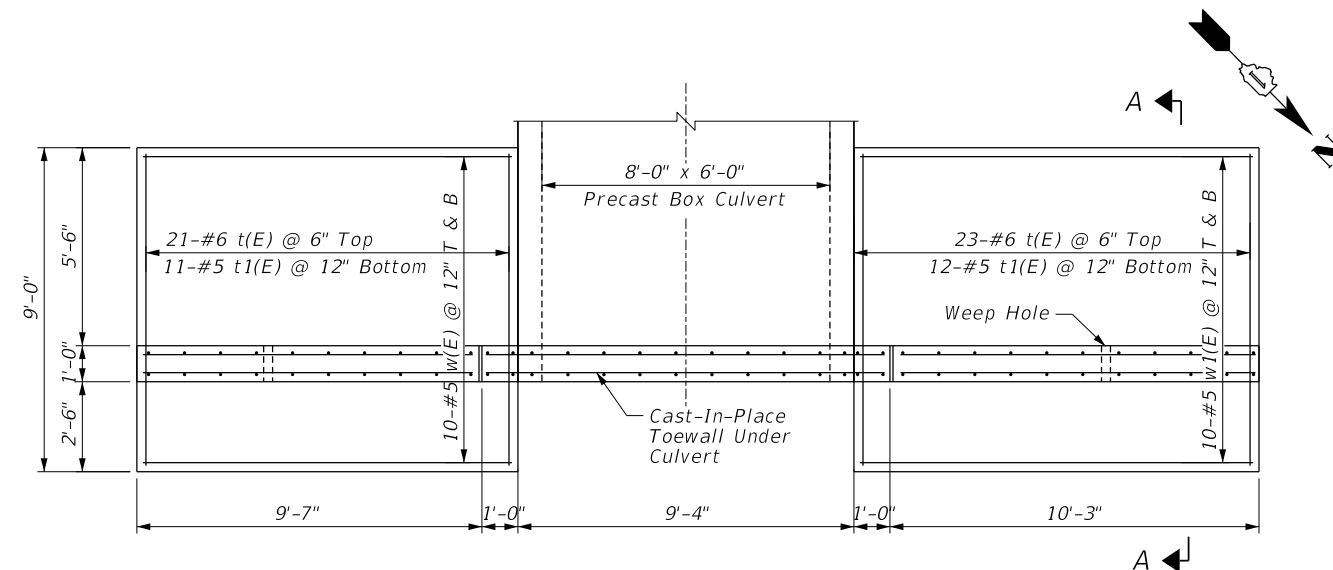
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CONTRACT NO. 61K63			ILLINOIS FED. AID PROJECT	

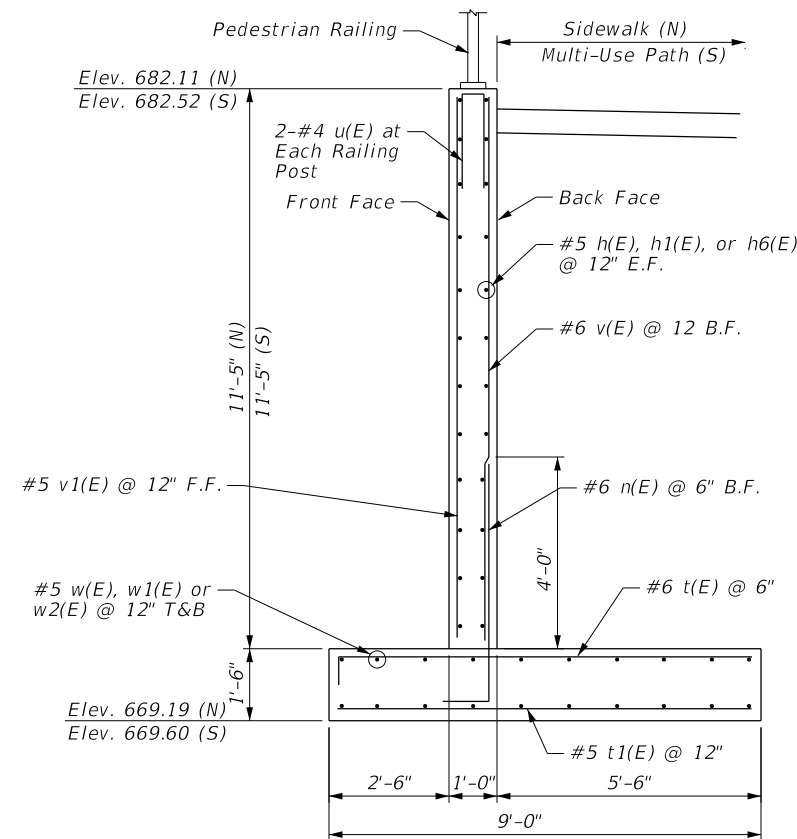


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	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
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	NOTE BOOK NO.	



PLAN - NORTH END SECTION

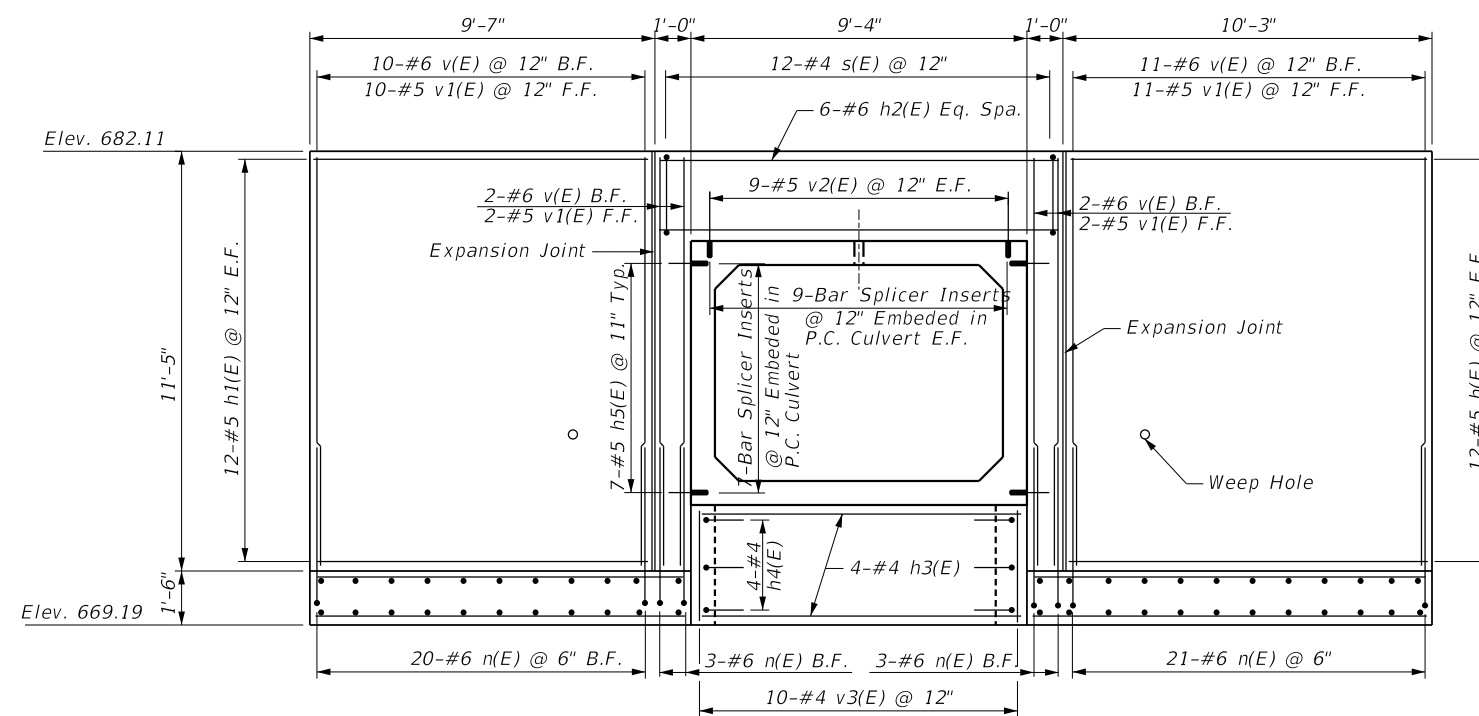


SECTION A-A:  
TYPICAL WINGWALL SECTION

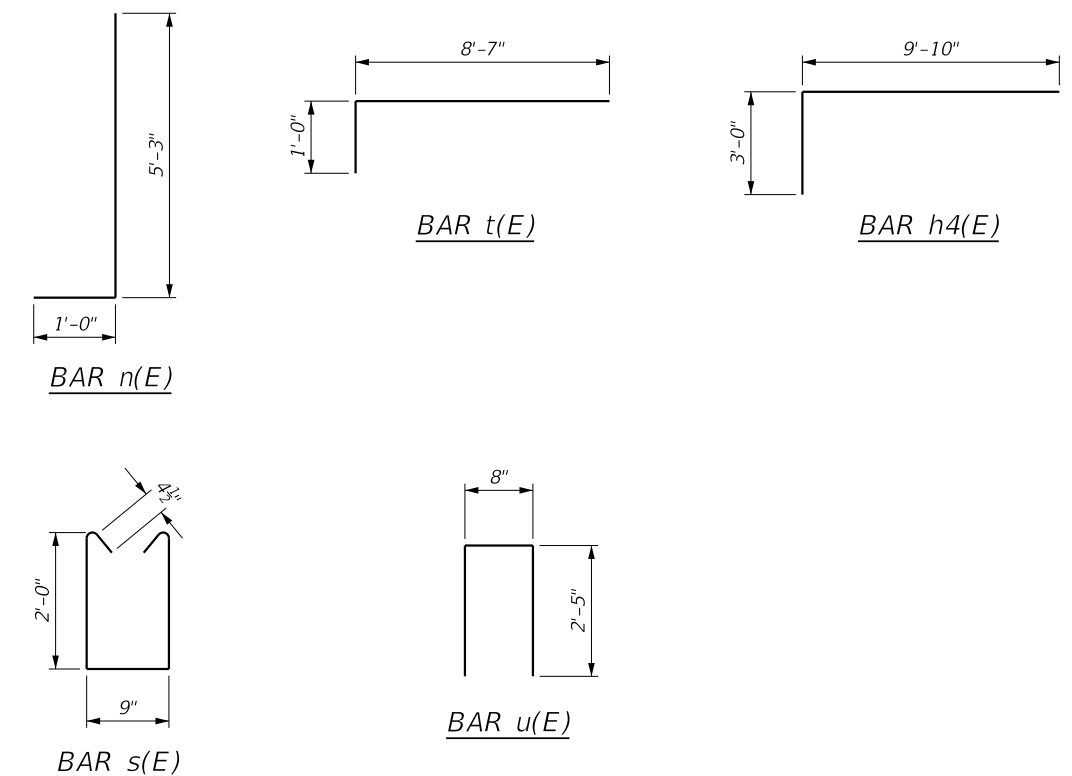
**BILL OF MATERIAL**  
**NORTH AND SOUTH END SECTIONS**

Bar	No.	Size	Length	Shape
h(E)	24	#5	9'-11"	—
h1(E)	48	#5	9'-3"	—
h2(E)	12	#6	11'-0"	—
h3(E)	8	#4	9'-0"	—
h4(E)	16	#4	12'-10"	⌊
h5(E)	28	#5	1'-0"	—
h6(E)	24	#5	4'-0"	—
n(E)	82	#6	6'-3"	⌊
s(E)	24	#4	5'-6"	⌊
t(E)	76	#6	9'-7"	⌊
t1(E)	40	#5	8'-7"	—
u(E)	24	#4	5'-6"	⌊
v(E)	44	#6	11'-2"	—
v1(E)	44	#5	11'-2"	—
v2(E)	36	#5	2'-0"	—
v3(E)	64	#4	3'-0"	—
w(E)	40	#5	10'-3"	—
w1(E)	20	#5	10'-11"	—
w2(E)	20	#5	5'-0"	—
Reinforcement Bars, Epoxy Coated		Pounds	5,850	
Concrete Structures (Retaining Wall)		Cu Yd	43.2	

Note: Concrete Toewall and Headwall Paid for as Concrete Structures (Retaining Wall)



ELEVATION - NORTH END SECTION



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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

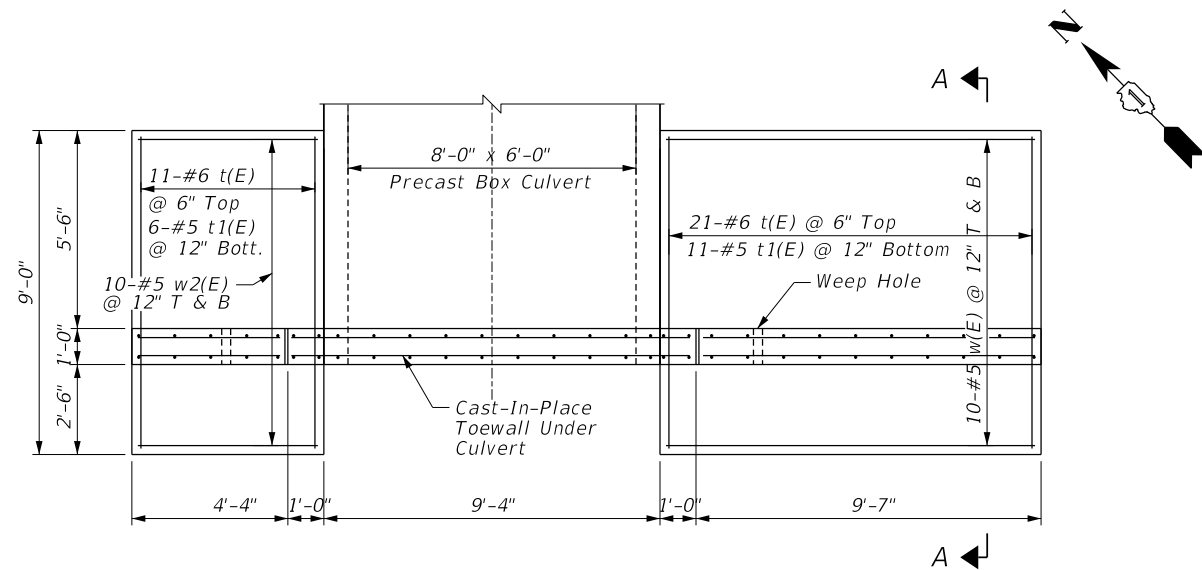
**BERNARD DRIVE BOX CULVERT**  
**NORTH END SECTION DETAILS**

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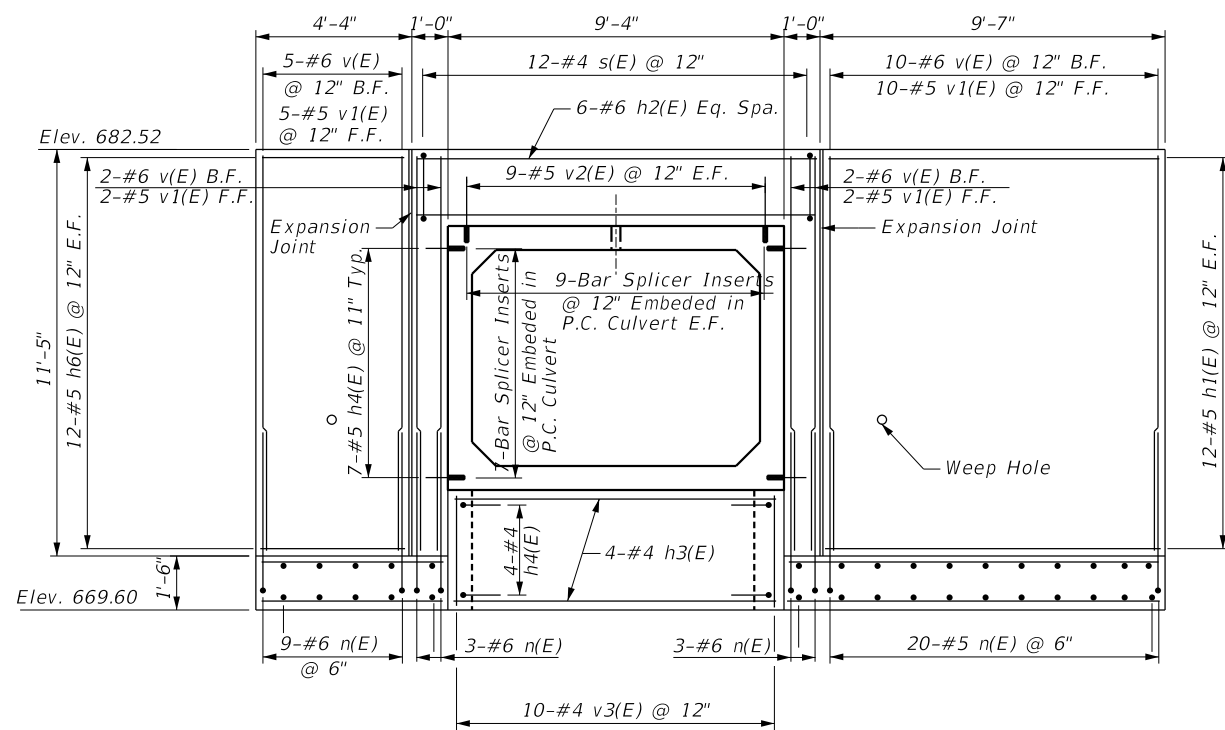
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1581	20-00108-02-R5	COOK	164	89
CONTRACT NO. 61K63			ILLINOIS FED. AID PROJECT	

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	CHECKED	
	BY	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	FILE NAME	
	NO.	



PLAN - SOUTH END SECTION



ELEVATION - SOUTH END SECTION



PHOTO - REMOVE AND RE-ERECT SEGMENTAL BLOCK WALL

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

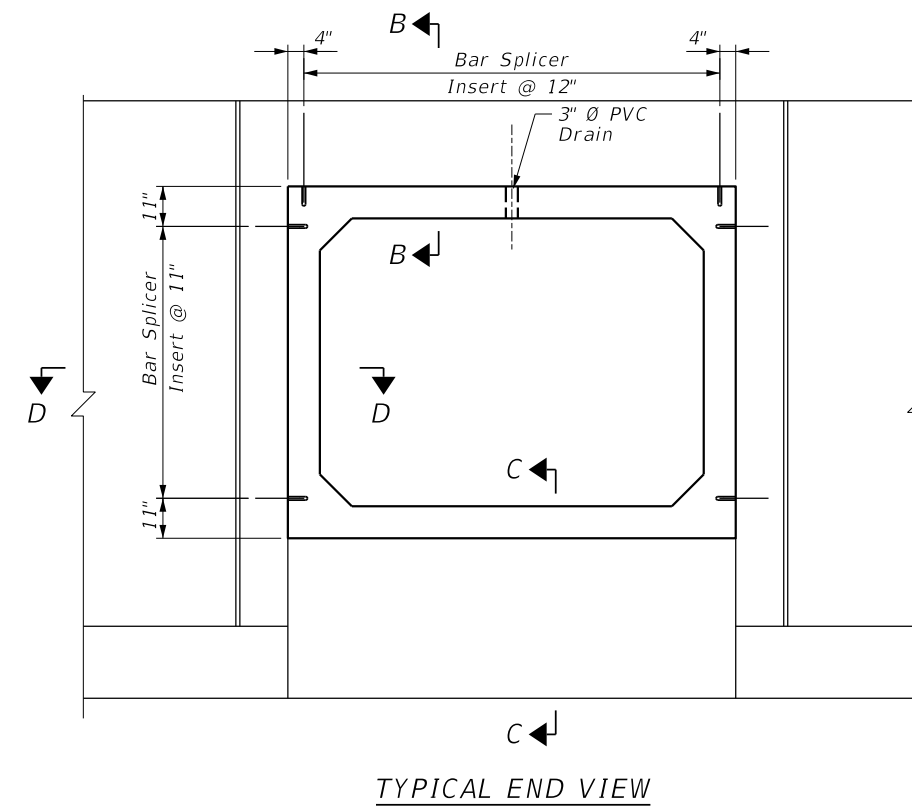
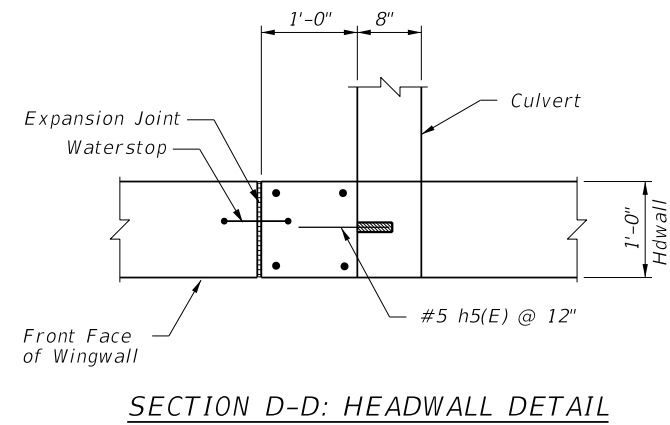
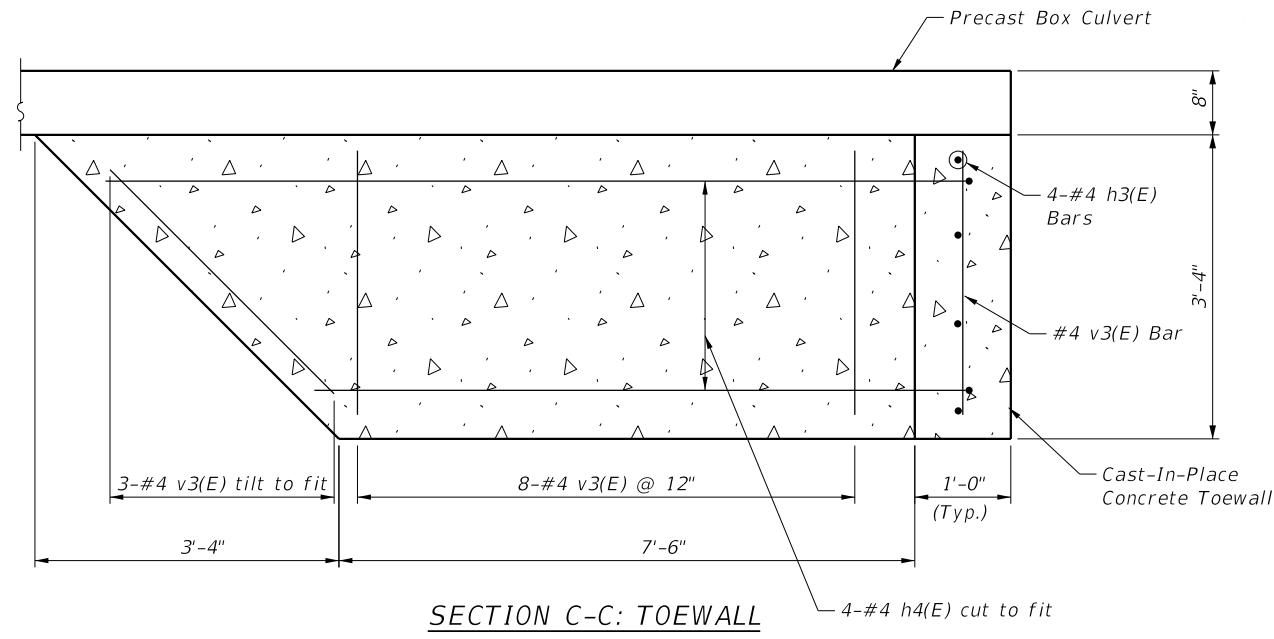
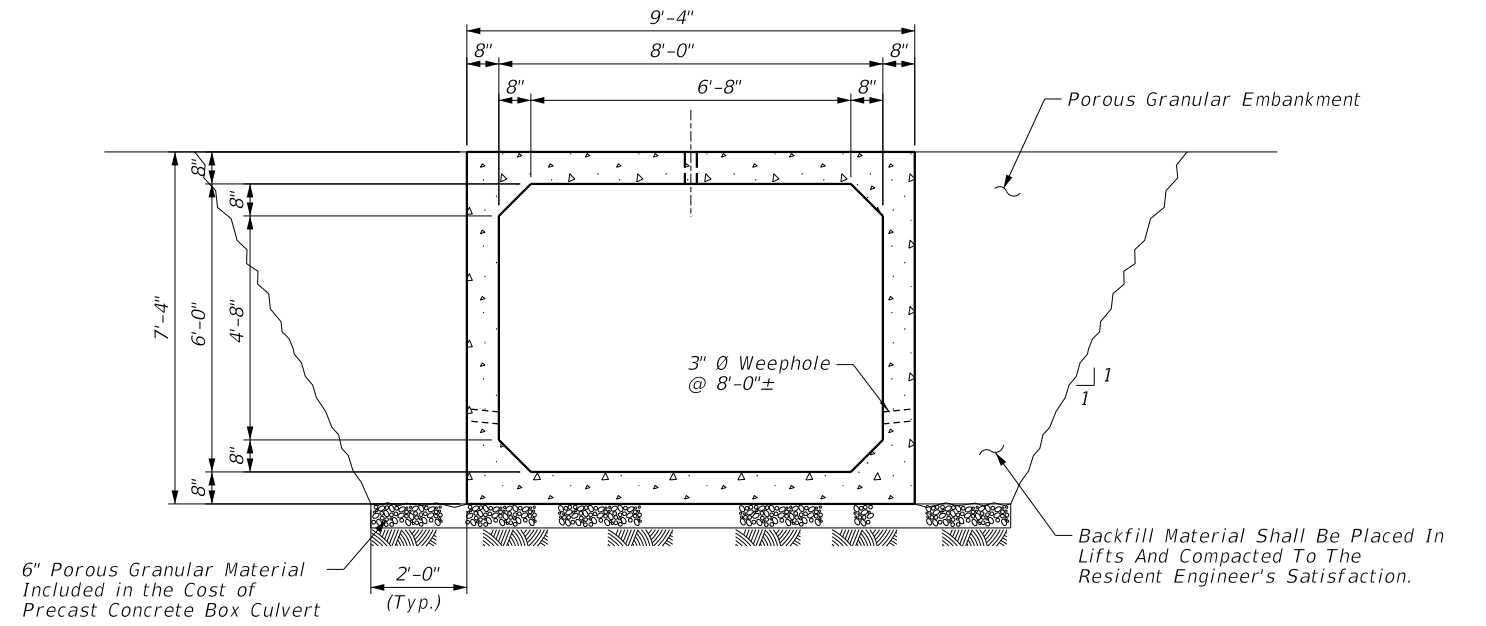
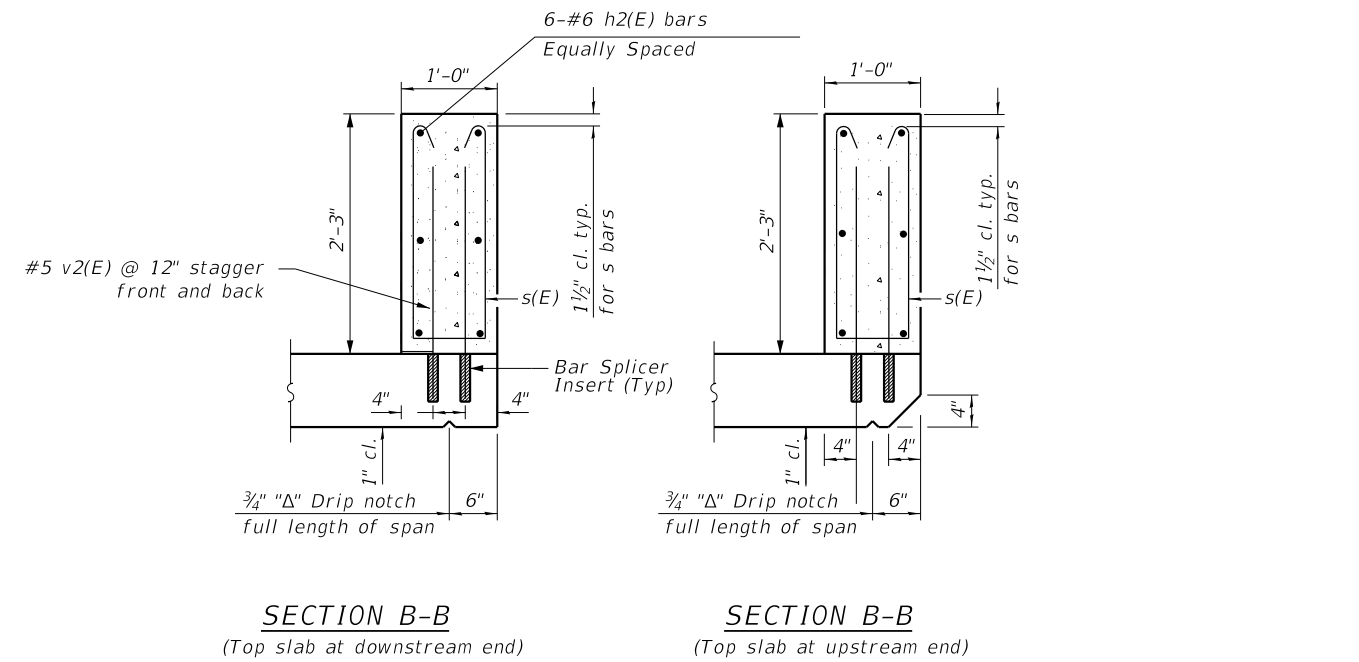
BERNARD DRIVE BOX CULVERT  
SOUTH END SECTION DETAILS

SCALE: NTS SHEET S4 OF S7 SHEETS STA. 44+72.40 TO STA. \_\_\_\_\_

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	90
			CONTRACT NO. 61K63	
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
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	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK		
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

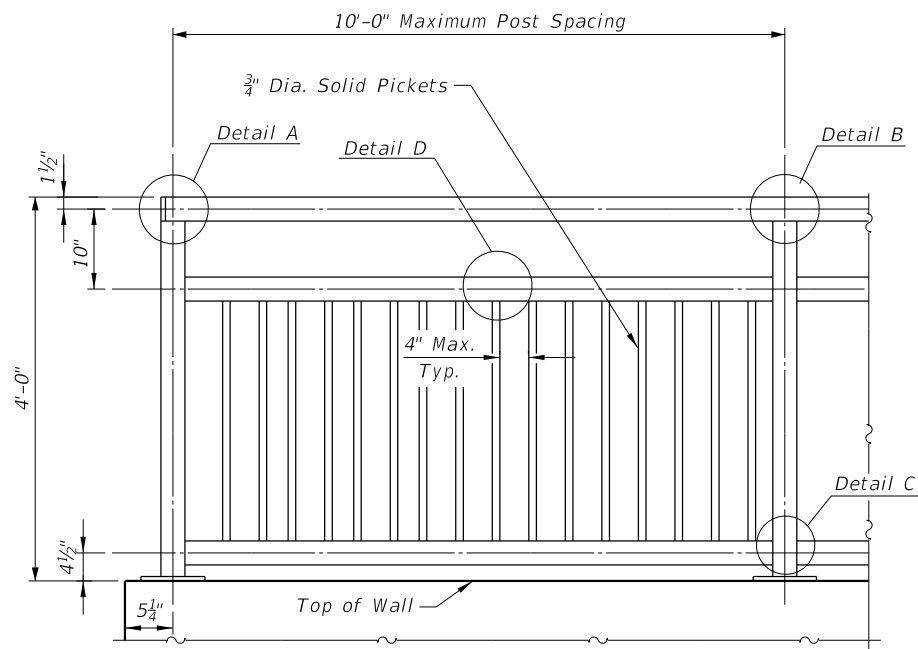
BERNARD DRIVE BOX CULVERT  
TYPICAL SECTION AND DETAILS

SCALE: NTS SHEET S5 OF S7 SHEETS STA. 44+72.40 TO STA. \_\_\_\_\_

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	91
				CONTRACT NO. 61K63
ILLINOIS FED. AID PROJECT				

DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
CHECKED	
ALIGNED	
FILE NAME	
NO.	

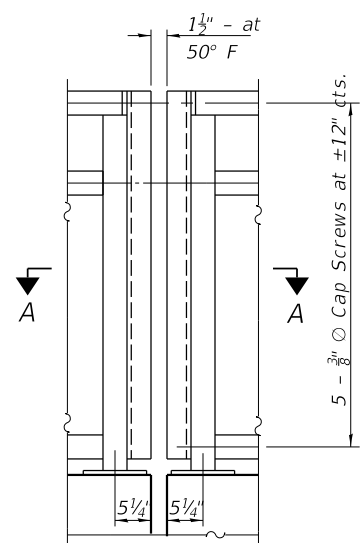
DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
CHECKED	
GRADES	
STRUCTURE	
NOT AT THIS OFFICE	
NO.	



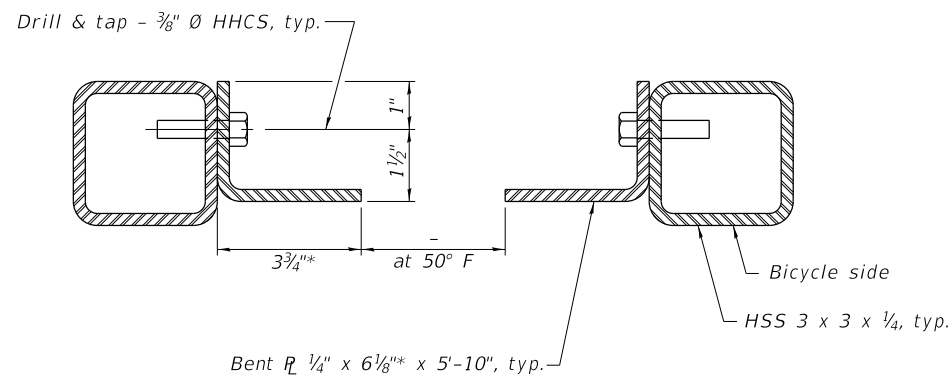
**BRIDGE FENCE RAILING (SIDEWALK)**

Maximum Post Spacing = 10'-0"

\*Contractor shall submit shop drawings showing railing layout for review by the Engineer.



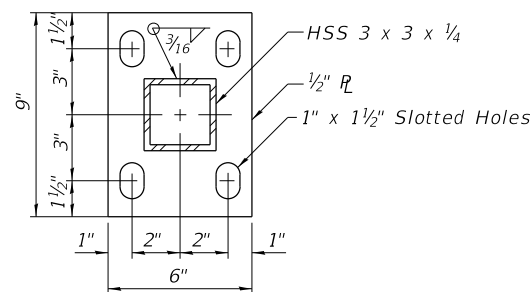
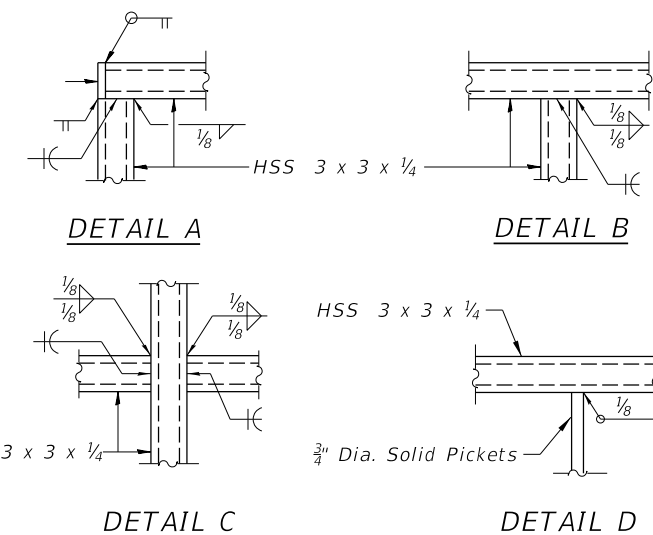
**JOINT DETAIL**



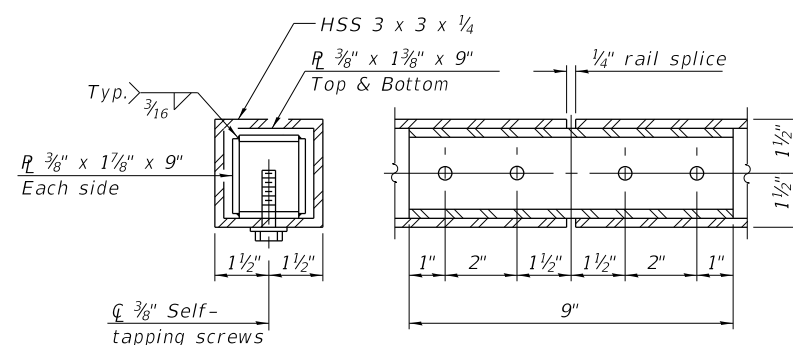
**SECTION A-A**

\* Assume 3/8" radius. Dimensions may need to be modified for larger joints to avoid gaps greater than 6".

All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

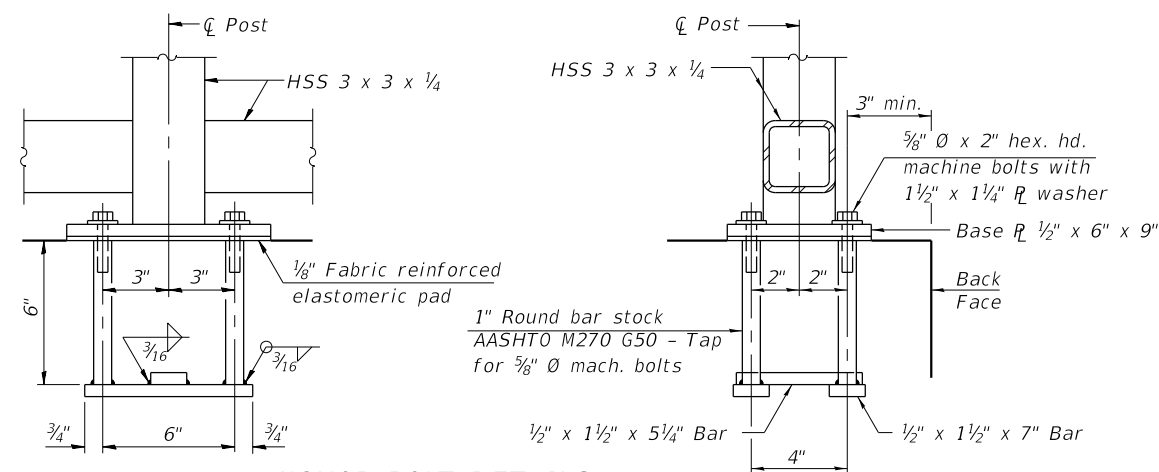


**BASE R**



**RAIL SPLICE**

Notes:  
All structural steel tubing, post and railing, for parapet railing shall be CVN tested according to 1006.34(b) of the Standard Specifications. CVN testing may be omitted for the Bicycle Railing.



**ANCHOR BOLT DETAILS**

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" diameter anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

**BILL OF MATERIAL**

Item	Unit	Quantity
Pedestrian Railing	Foot	57

FILE NAME =	USER NAME = jjezierny	DESIGNED - MM	REVISED -
N:\BuffaloGrave\200385_C2\Struct\200385-Railing_Detail.sht		DRAWN - PDR	REVISED -
Default	PLOT SCALE = 1'	CHECKED - MM	REVISED -
	PLOT DATE = 7/10/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BERNARD DRIVE BOX CULVERT  
FENCE RAILING DETAILS**

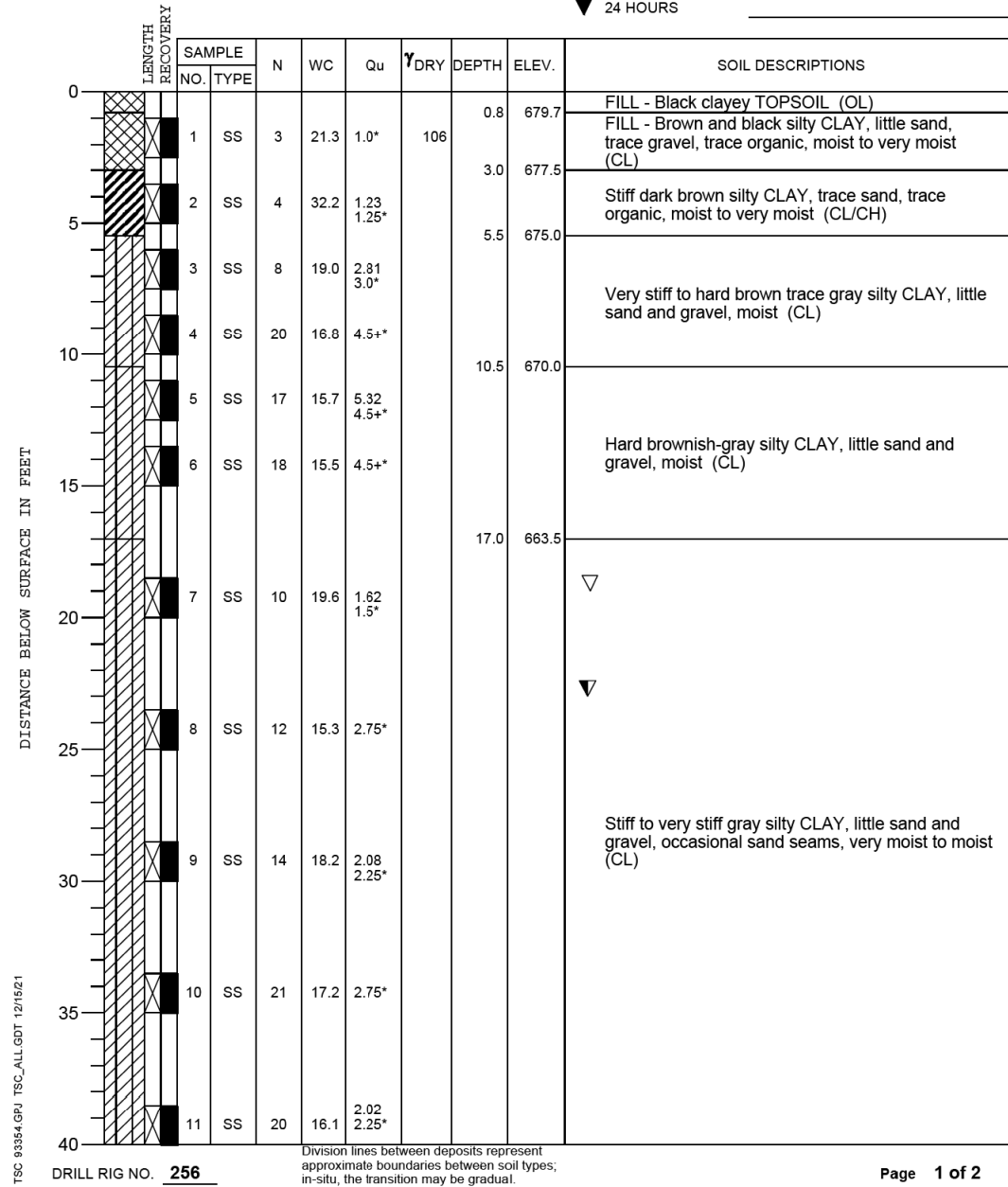
SCALE: NTS SHEET S6 OF S7 SHEETS STA. 44+72.40 TO STA. \_\_\_\_\_

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	92
CONTRACT NO. 61K63			ILLINOIS FED. AID PROJECT	

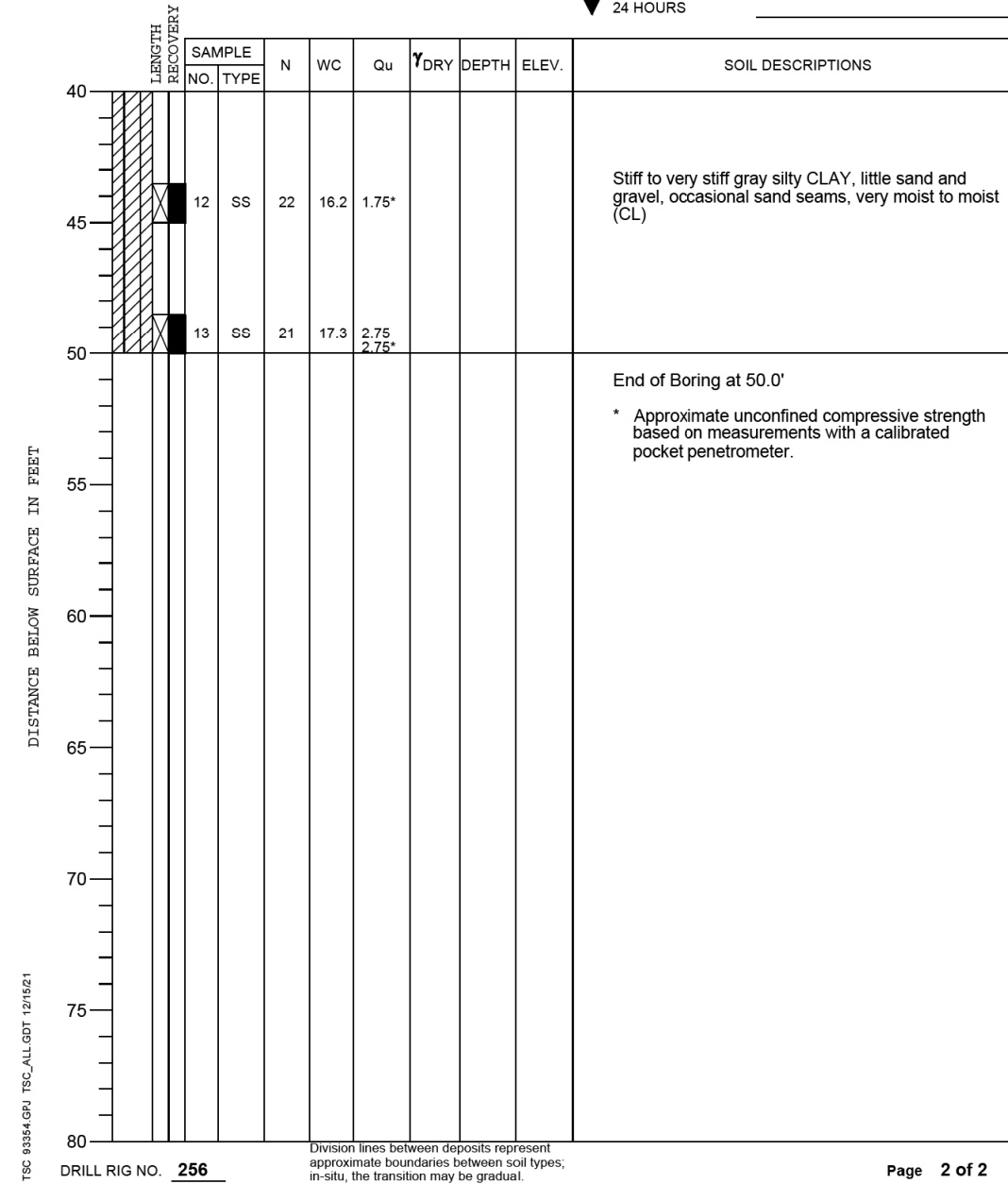
DATE	
BY	
SURVEYED	
PLOTTED	
CHECKED	
ALIGNMENT	
ROAD FILE NAME	
PLAN	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
CHECKED	
GRADES	
STRUCTURE	
NOT AT THIS OFFICE	
PROFILE	
NOTE BOOK	
NO.	

PROJECT **Culvert Replacement, Bernard Drive, Buffalo Grove, IL** **TSC**  
 CLIENT **Christopher B. Burke Engineering, Ltd., Rosemont, IL**  
 BORING **101** DATE STARTED **11-23-21** DATE COMPLETED **11-23-21** JOB **L-93,354**  
 ELEVATIONS WATER LEVEL OBSERVATIONS  
 GROUND SURFACE **680.5** WHILE DRILLING **23.0'**  
 END OF BORING **630.5** AT END OF BORING **19.0'**  
 24 HOURS



PROJECT **Culvert Replacement, Bernard Drive, Buffalo Grove, IL** **TSC**  
 CLIENT **Christopher B. Burke Engineering, Ltd., Rosemont, IL**  
 BORING **101** DATE STARTED **11-23-21** DATE COMPLETED **11-23-21** JOB **L-93,354**  
 ELEVATIONS WATER LEVEL OBSERVATIONS  
 GROUND SURFACE **680.5** WHILE DRILLING **23.0'**  
 END OF BORING **630.5** AT END OF BORING **19.0'**  
 24 HOURS



FILE NAME =	USER NAME = jjezierny	DESIGNED - MM	REVISED -
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Default	PLLOT SCALE = 1'	CHECKED - MM	REVISED -
	PLLOT DATE = 8/1/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BERNARD DRIVE BOX CULVERT  
BORING LOGS

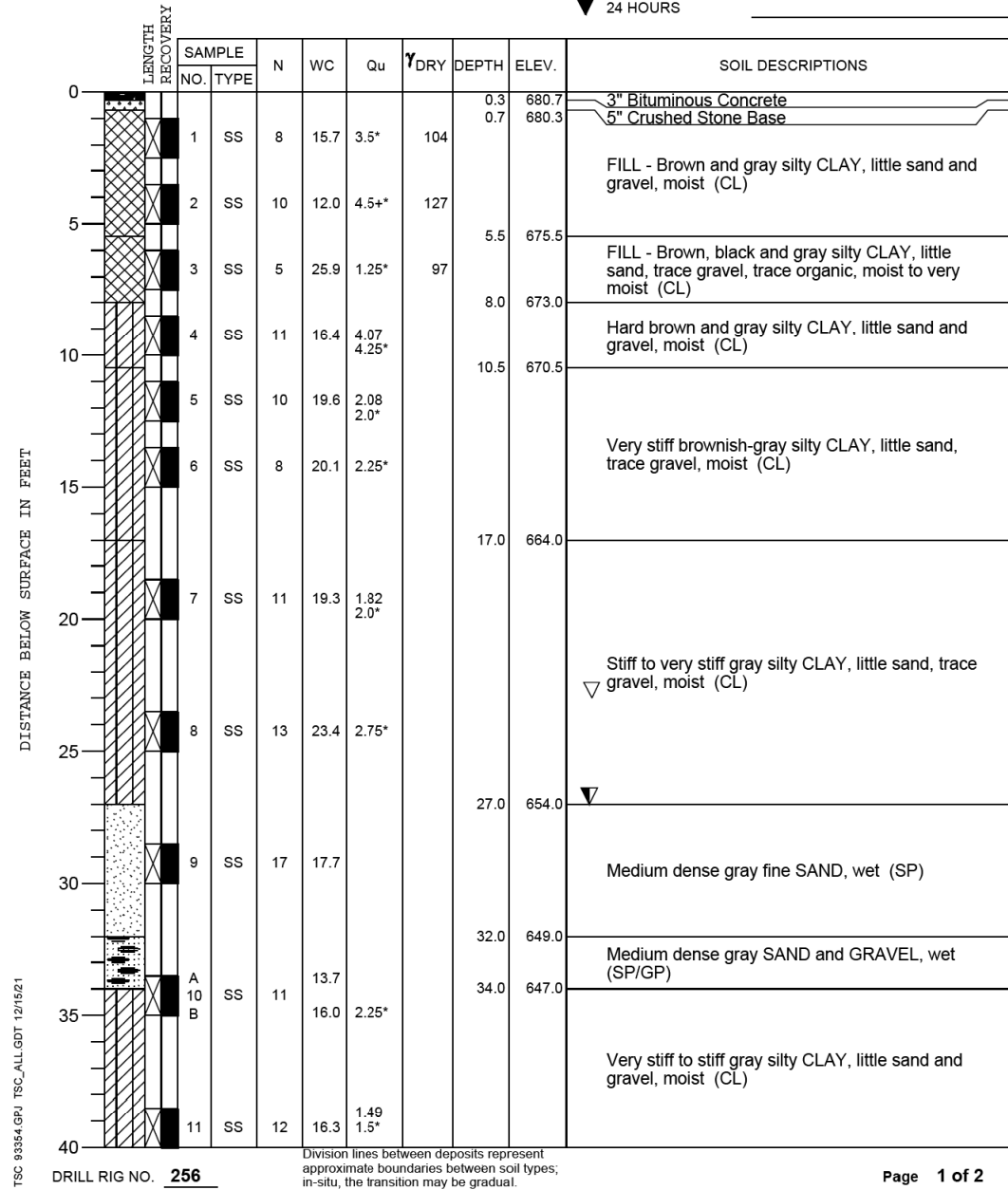
SCALE: NTS SHEET 57 OF 57 SHEETS STA. 44+72.40 TO STA. \_\_\_\_\_

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	93
CONTRACT NO. 61K63			ILLINOIS FED. AID PROJECT	

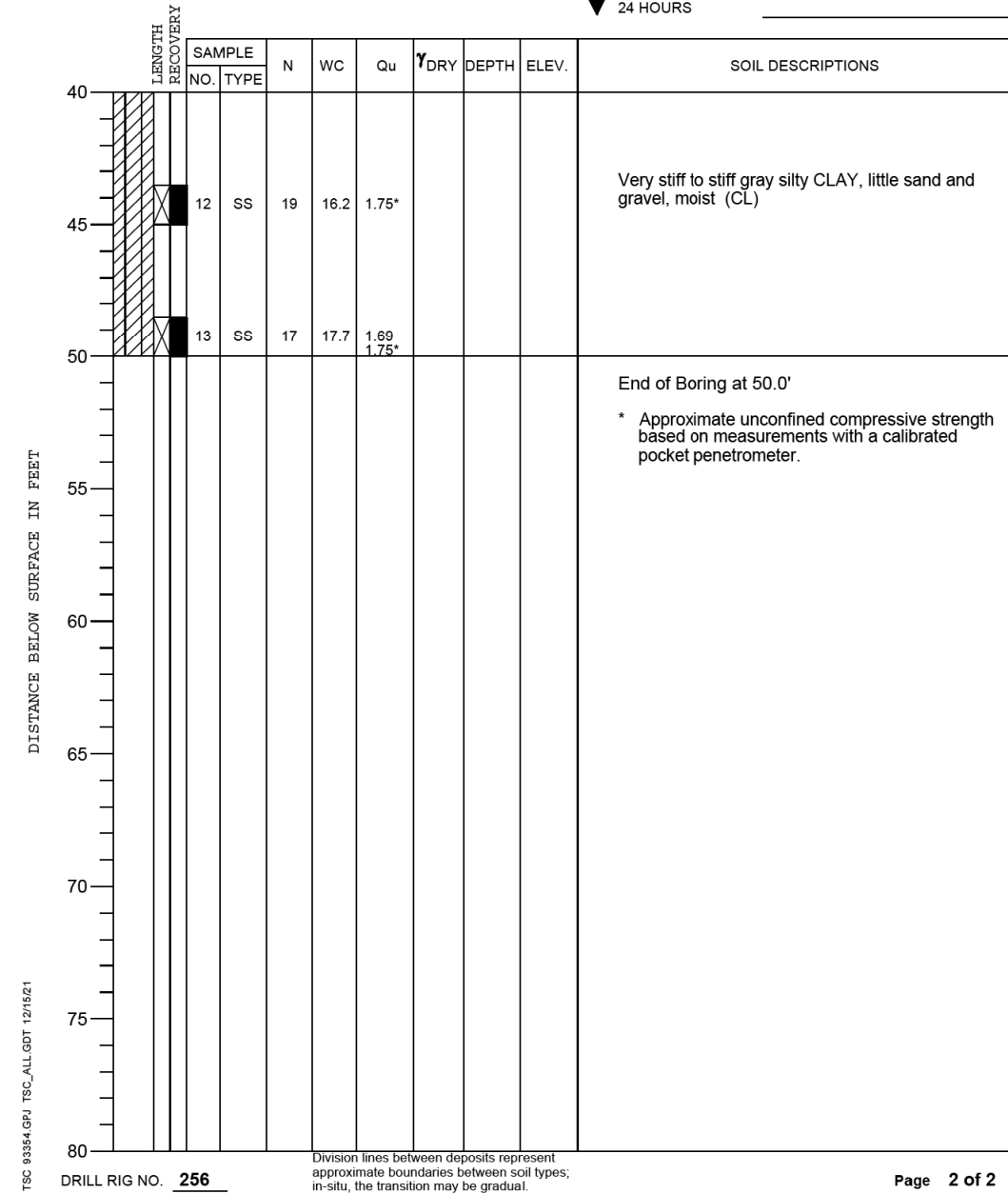
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BY	
PLAN	
SURVEYED	
PLOTTED	
CHECKED	
ALIGNED	
FILE NAME	
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DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
CHECKED	
STRUCTURE	
NOT AT THIS OFFICE	
NO.	

PROJECT **Culvert Replacement, Bernard Drive, Buffalo Grove, IL** **TSC**  
 CLIENT **Christopher B. Burke Engineering, Ltd., Rosemont, IL**  
 BORING **102** DATE STARTED **11-23-21** DATE COMPLETED **11-23-21** JOB **L-93,354**  
 ELEVATIONS WATER LEVEL OBSERVATIONS  
 GROUND SURFACE **681.0** WHILE DRILLING **27.0'**  
 END OF BORING **631.0** AT END OF BORING **23.0'**  
 24 HOURS



PROJECT **Culvert Replacement, Bernard Drive, Buffalo Grove, IL** **TSC**  
 CLIENT **Christopher B. Burke Engineering, Ltd., Rosemont, IL**  
 BORING **102** DATE STARTED **11-23-21** DATE COMPLETED **11-23-21** JOB **L-93,354**  
 ELEVATIONS WATER LEVEL OBSERVATIONS  
 GROUND SURFACE **681.0** WHILE DRILLING **27.0'**  
 END OF BORING **631.0** AT END OF BORING **23.0'**  
 24 HOURS



FILE NAME =	USER NAME = jjezierny	DESIGNED - MM	REVISED -
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Default	PLOT SCALE = 1"	CHECKED - MM	REVISED -
	PLOT DATE = 8/1/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BERNARD DRIVE BOX CULVERT  
BORING LOGS

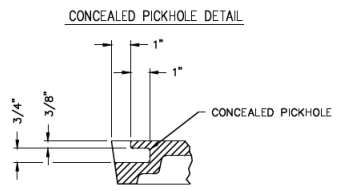
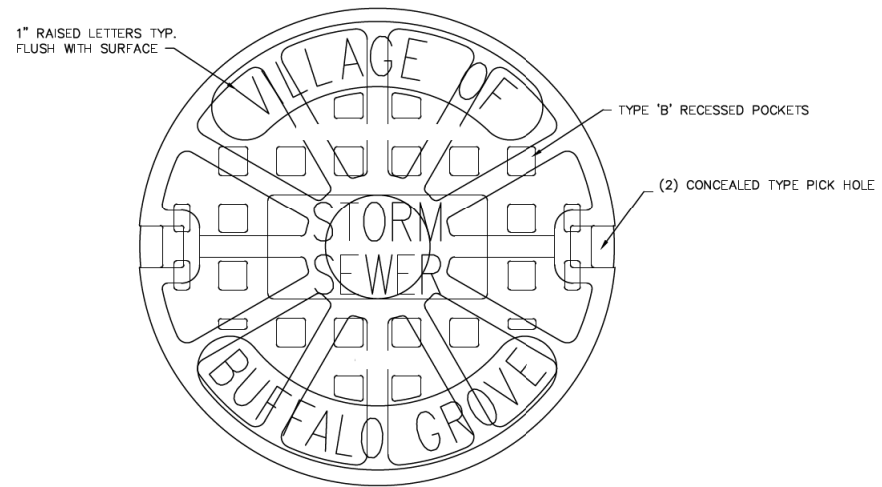
SCALE: NTS SHEET 57 OF 57 SHEETS STA. 44+72.40 TO STA. \_\_\_\_\_

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	93A
CONTRACT NO. 61K63			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	AT	
	BY	
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	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	AT	
	BY	
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	FILE NAME	

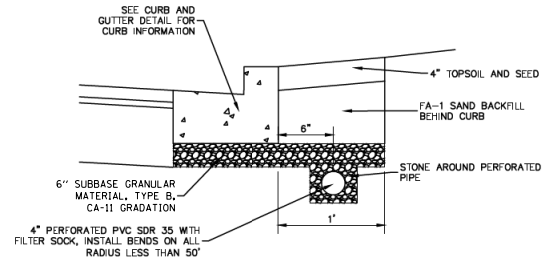
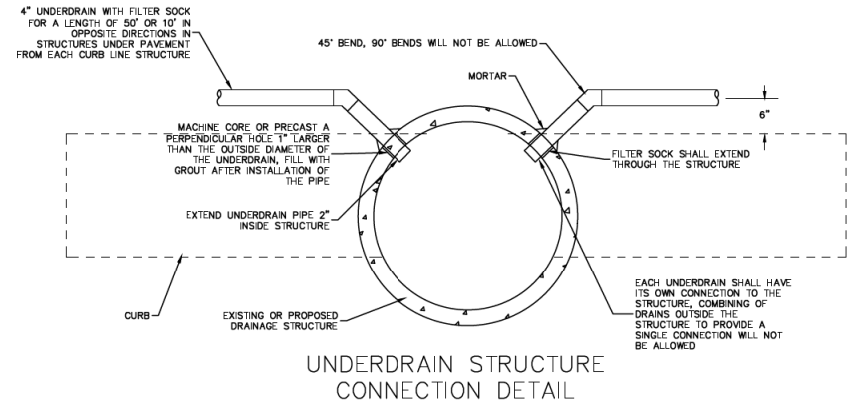
### EXHIBIT NO. 201



### STORM SEWER MANHOLE LID DETAIL

Prepared by the Village Engineering Division

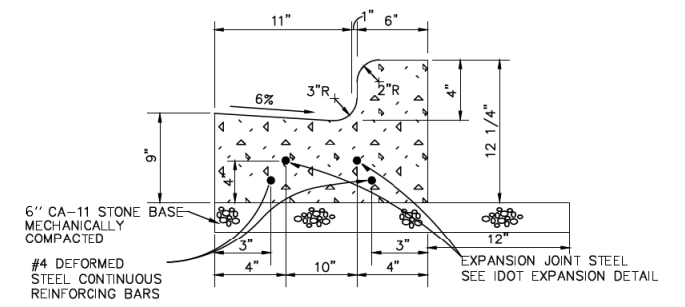
### EXHIBIT NO. 203



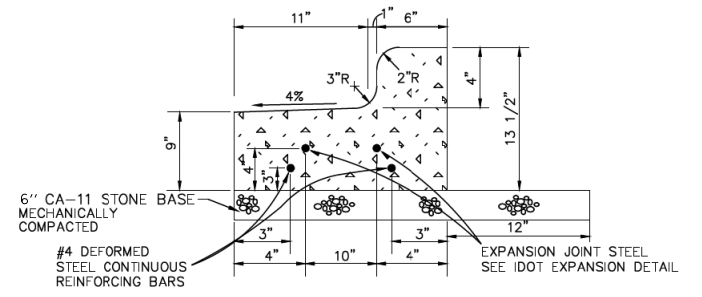
### SUBSURFACE DRAINAGE DETAIL

Prepared by the Village Engineering Division

### EXHIBIT NO. 501



B4.12



B4.12 REVERSE PITCH

### B4.12 CURB AND GUTTER DETAIL

- NOTE:
1. SET EXPANSION JOINTS AT ALL P.C.'S, P.T.'S, FIVE FEET ON EITHER SIDE OF ANY FRAMES, AND AT 45' MAX. INTERVALS.
  2. CONTRACTION JOINTS SHALL BE TOoled AT 15' INTERVALS AND SAW CUT WITHIN 24 HOURS.
  3. JOINTS SHALL BE CLEANED AND SEALED ACCORDING TO ARTICLE 420.12.
  4. CURING COMPOUND REQUIRED.
  5. IDOT APPROVED CURBS ALSO PERMITTED.

Prepared by the Village Engineering Division

FILE NAME =	USER NAME = jjezerny	DESIGNED - SNS	REVISED -
N:\BuffaloGrove\200385_C2\Civil\01xxxx-ht-C2.DET_01.dgn		DRAWN - JAJ	REVISED -
		CHECKED - LMF	REVISED -
Default	PLOT DATE = 7/10/2024	DATE -	REVISED -

## STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

### BERNARD DRIVE CONSTRUCTION DETAILS

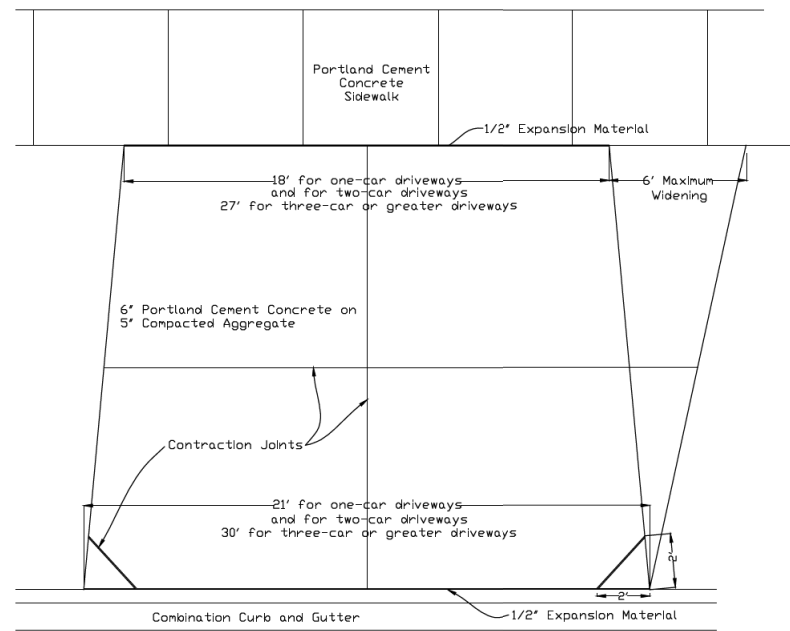
SCALE: SHEET 1 OF 9 SHEETS STA. TO STA.

MUN. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	94
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61K63	

PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	CHECKED	
	AT	
	FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	CHECKED	
	AT	
	FILE NAME	

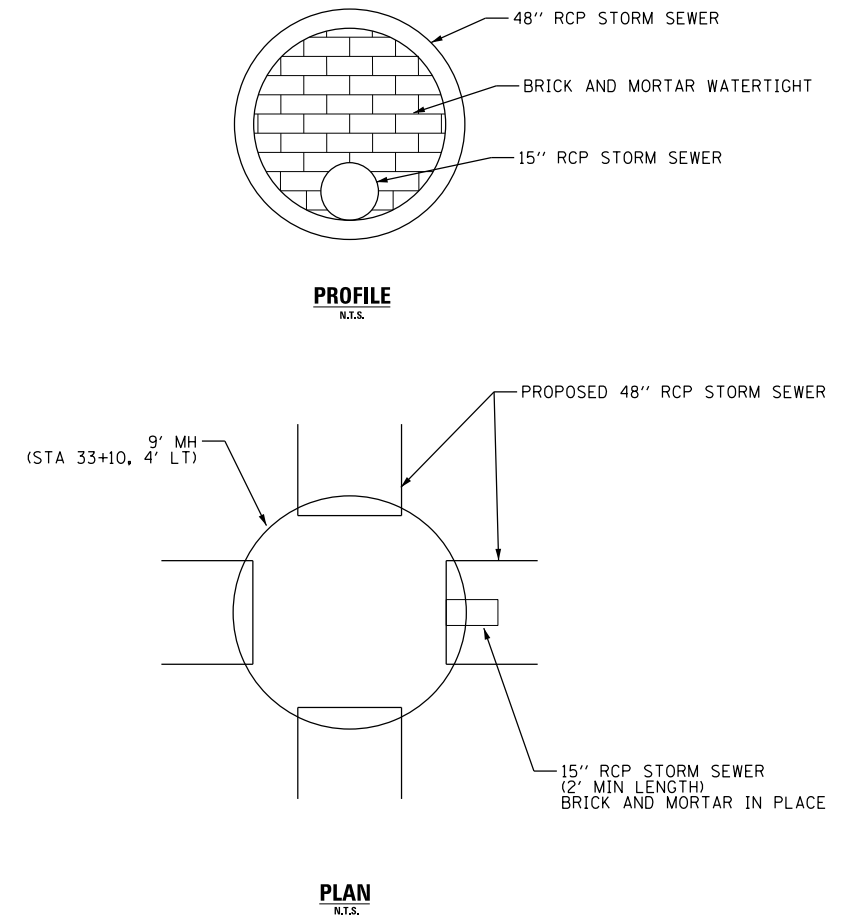
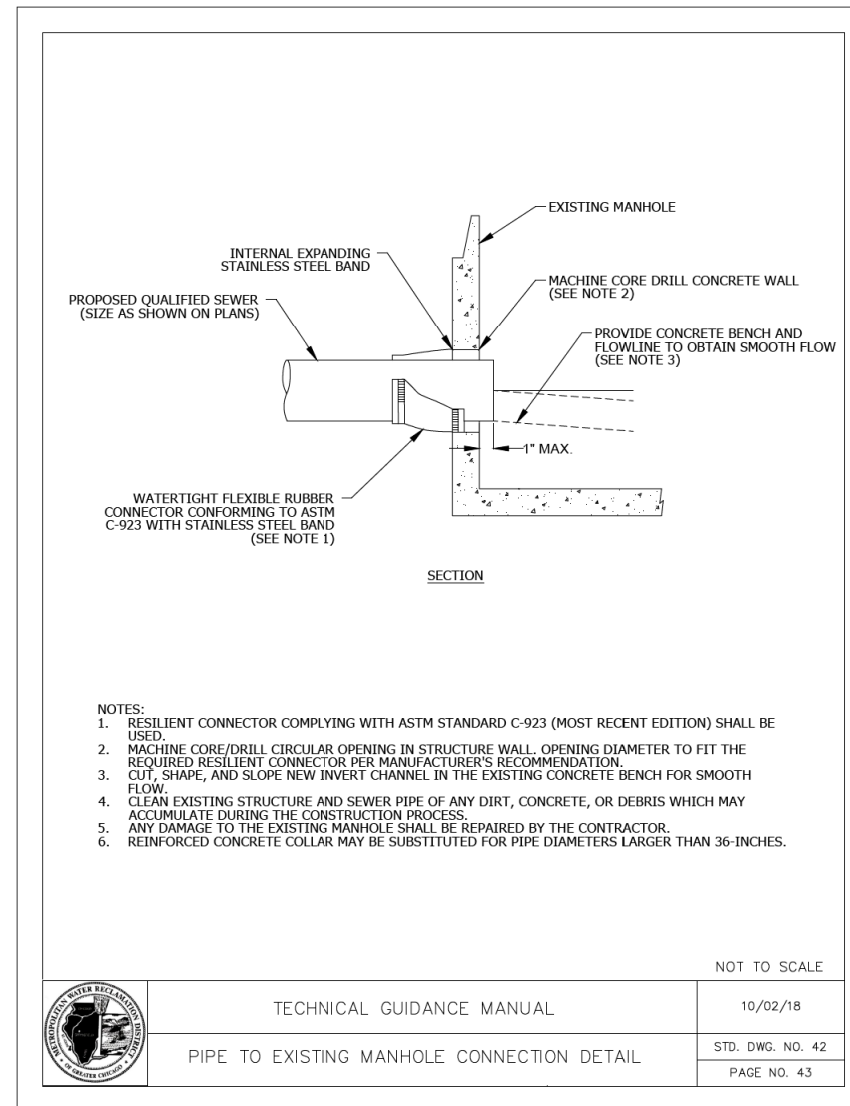
### EXHIBIT NO. 503



### DRIVEWAY APRON DETAIL

- NOTE:
1. Contraction joint depth shall be 1-1/4" minimum.
  2. Contraction joint shall divide the apron into slabs approximately square with no side longer than 15'.
  3. Minimum apron width is 10' at the sidewalk.

Prepared by the Village Engineering Division

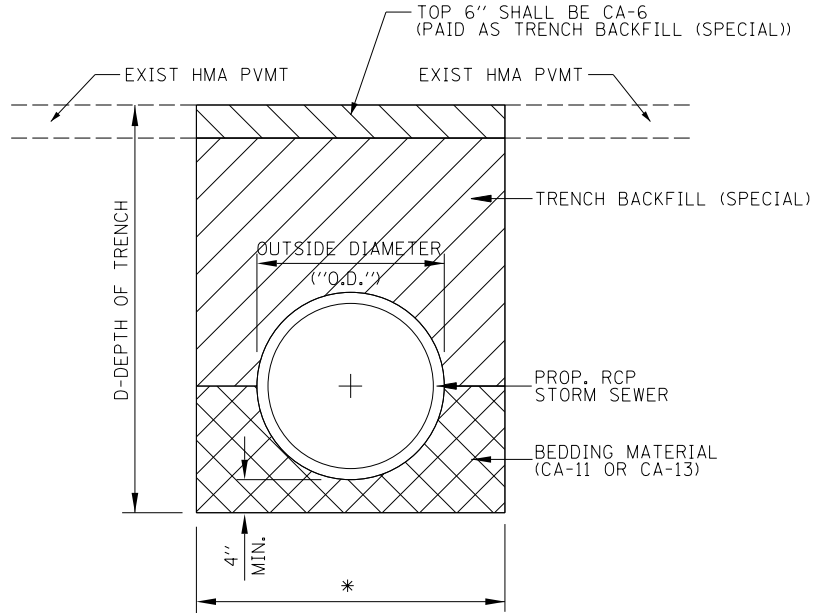


### TEMPORARY BULKHEAD DETAIL

FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>BERNARD DRIVE</b> <b>CONSTRUCTION DETAILS</b>	MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\BuffaloGrave\200385_C2\Civil\DIxxxxx-ht-C2.DET.dgn	DRAWN - JAJ	REVISIONS	REVISIONS			1581	20-00108-02-R5	COOK	164	95
Default	PLOT SCALE = 28'	CHECKED - LMF	REVISIONS			CONTRACT NO. 61K63				
	PLOT DATE = 7/25/2024	DATE -	REVISIONS			ILLINOIS FED. AID PROJECT				
SCALE:						SHEET 2	OF 9 SHEETS	STA.	TO STA.	



PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	GRADES CHECKED	
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	NOT AT THIS OFFICE	
	FILE NAME	
	PAID	



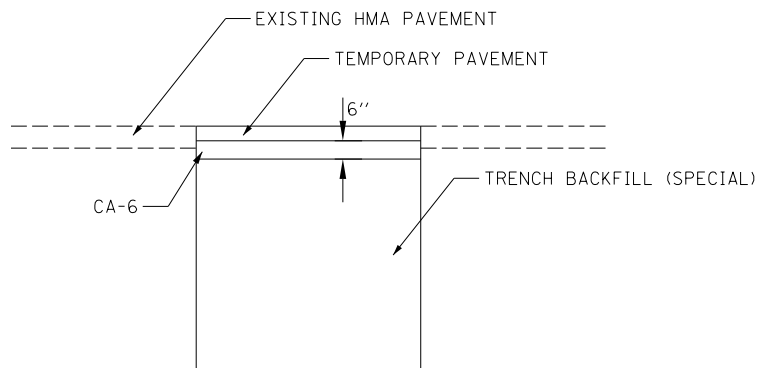
\* TRENCH BACKFILL (SPECIAL), PAY LIMIT  
 MAX. WIDTH = 9"+O.D.+9" WHEN D ≤ 5 FT.  
 MAX. WIDTH = 18"+O.D.+18" WHEN D > 5 FT.

**TRENCH BACKFILL DETAIL FOR RCP STORM SEWER IN PAVEMENT**

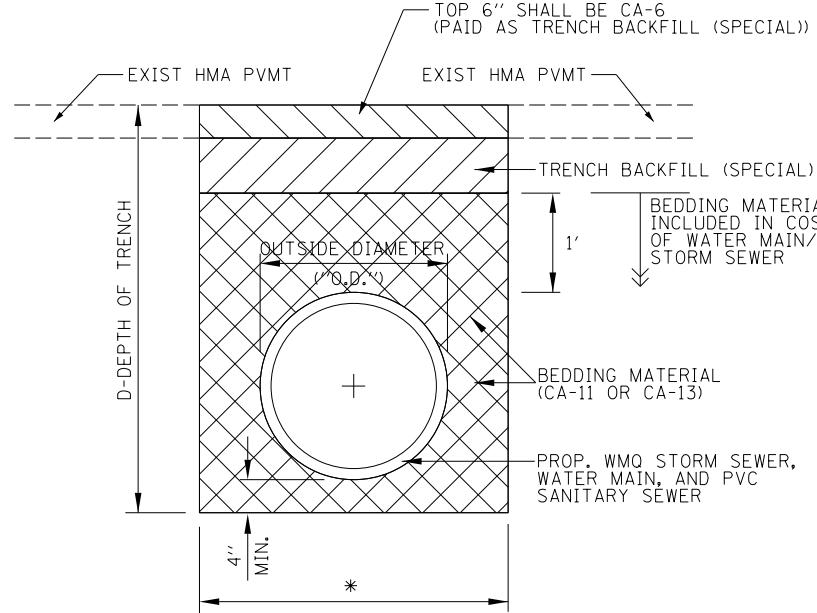
NOTES:

- IF THE TRENCH IS EXCAVATED WIDER THAN SHOWN IN THIS DETAIL, ADDITIONAL TRENCH BACKFILL (SPECIAL) WILL NOT BE MEASURED FOR PAYMENT
- PLACE TRENCH BACKFILL (SPECIAL) TO TOP OF TRENCH
- REMOVAL OF TRENCH BACKFILL (SPECIAL) TO ACCOMMODATE CLASS D PATCHES/PROPOSED PAVEMENT WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE WORK

PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	GRADES CHECKED	
	STRUCTURE	
	NOT AT THIS OFFICE	
	FILE NAME	
	PAID	



**TEMPORARY PAVEMENT DETAIL**  
 (AT BOX CULVERT REPLACEMENT, STORM SEWER AND WATER MAIN LATERALS, AND AS DIRECTED BY THE ENGINEER)

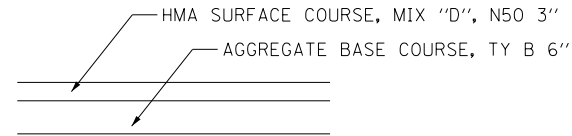


\* TRENCH BACKFILL, PAY LIMIT  
 MAX. WIDTH = 9"+O.D.+9" WHEN D ≤ 5 FT.  
 MAX. WIDTH = 18"+O.D.+18" WHEN D > 5 FT.

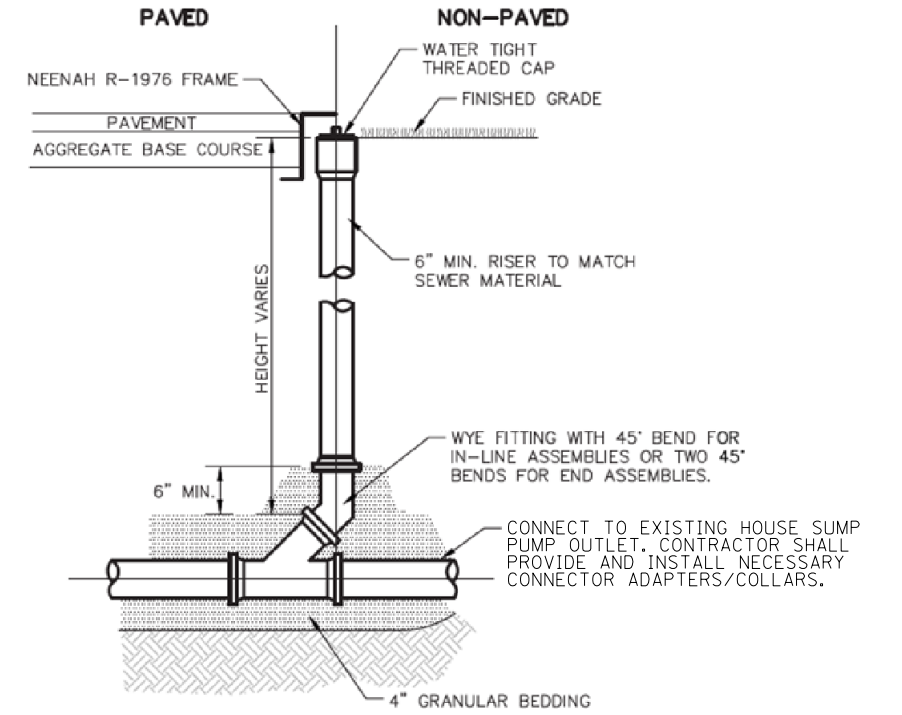
**TRENCH BACKFILL DETAIL FOR WMQ STORM SEWER, WATER MAIN, AND PVC SANITARY SEWER IN PAVEMENT**

NOTES:

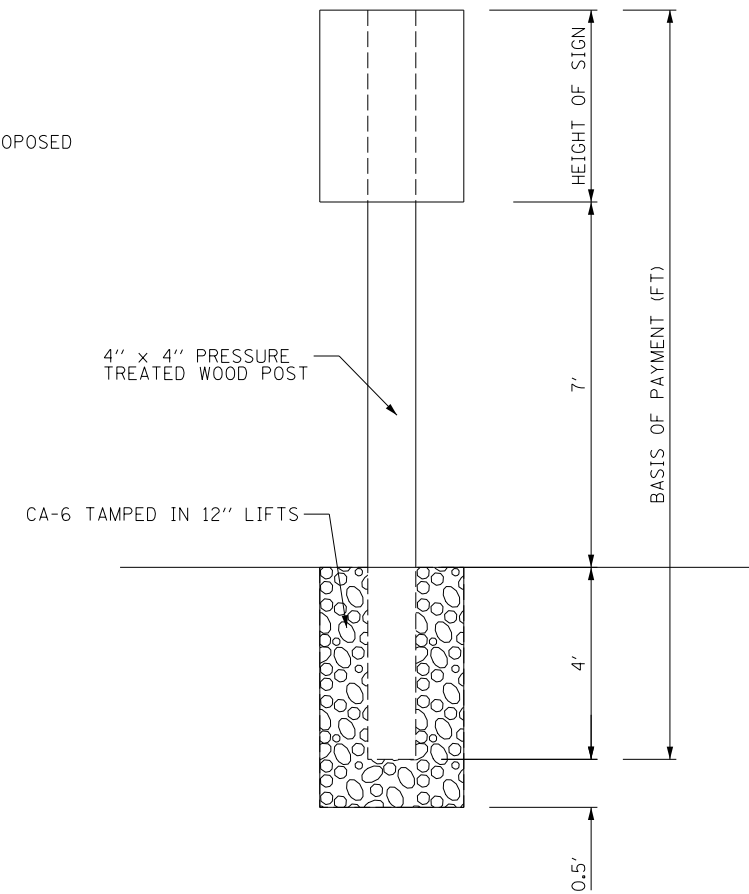
- IF THE TRENCH IS EXCAVATED WIDER THAN SHOWN IN THIS DETAIL, ADDITIONAL TRENCH BACKFILL (SPECIAL) WILL NOT BE MEASURED FOR PAYMENT
- PLACE TRENCH BACKFILL (SPECIAL) TO TOP OF TRENCH
- REMOVAL OF TRENCH BACKFILL (SPECIAL) TO ACCOMMODATE CLASS D PATCHES/PROPOSED PAVEMENT WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE WORK



**HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"**



**SUMP PUMP LINE CONNECTION DETAIL**



**WOOD SIGN SUPPORT DETAIL**

FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
N:\BuffaloGrave\200385_C2\Civil\01xxxx-ht-C2_DET_03.dgn	DRAWN - JAJ	REVISOR -	REVISED -
Default	PLOT SCALE = 20'	CHECKED - LMF	REVISED -
	PLOT DATE = 7/10/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BERNARD DRIVE  
 CONSTRUCTION DETAILS**

SCALE: SHEET 3 OF 9 SHEETS STA. TO STA.

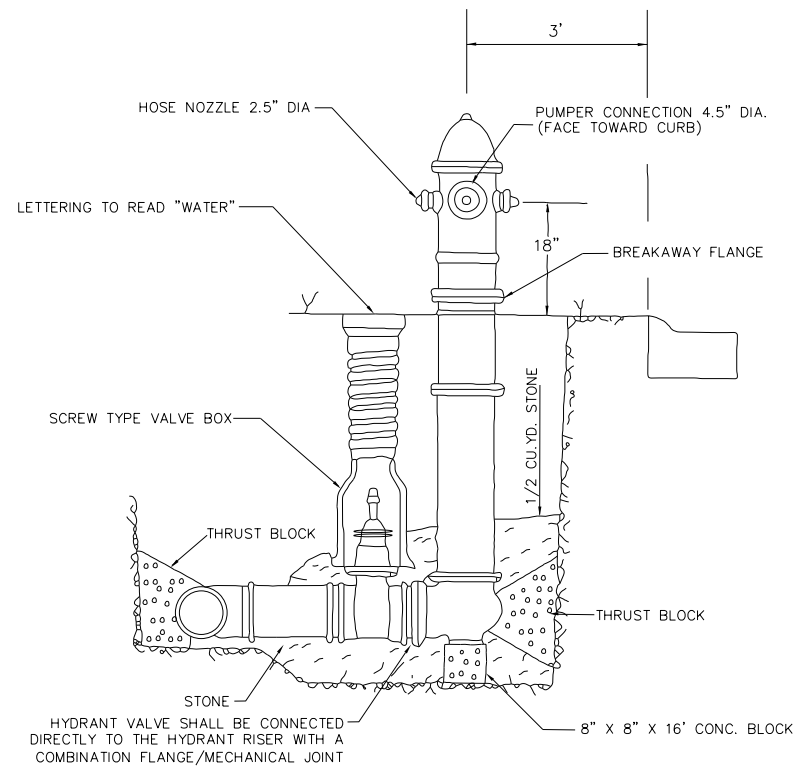
MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	96
CONTRACT NO. 61K63			ILLINOIS FED. AID PROJECT	



PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	ALIGNED	
	FILED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	STRUCTURE	
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	NO.	

EXHIBIT NO. 401



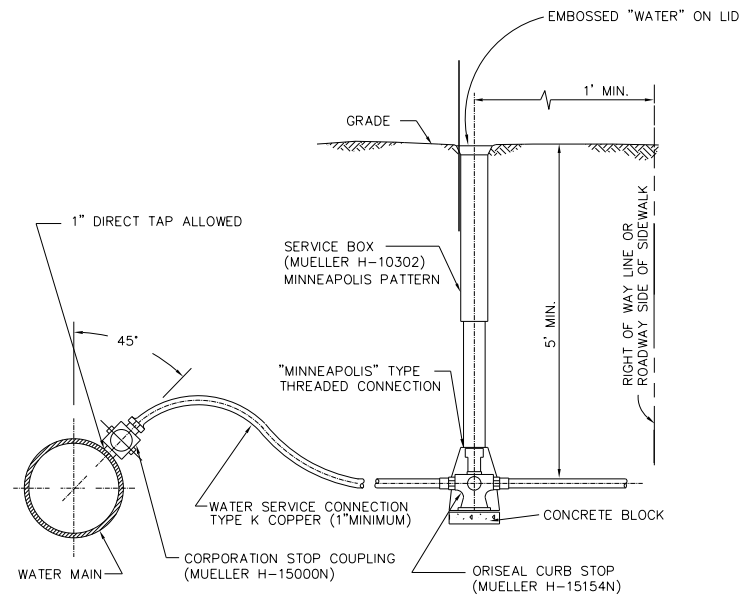
HYDRANT VALVE SHALL BE CONNECTED DIRECTLY TO THE HYDRANT RISER WITH A COMBINATION FLANGE/MECHANICAL JOINT

NOTE: HYDRANT DRAIN HOLE SHALL BE FREE OF CONCRETE.

WATEROUS PACER  
MODEL WB67-250

FIRE HYDRANT

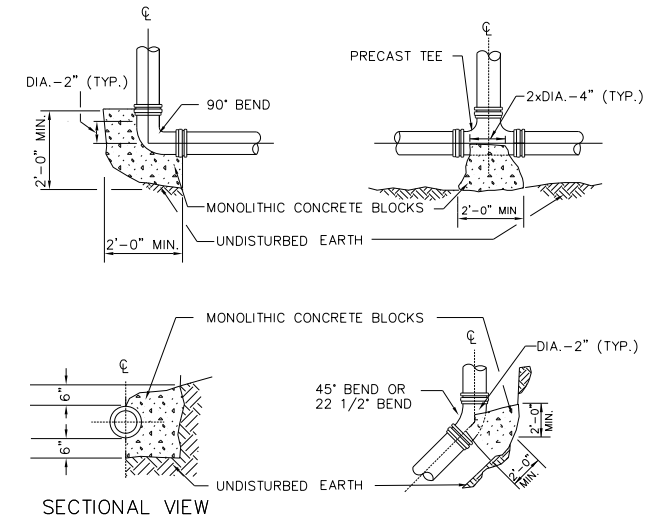
EXHIBIT NO. 402



NOTE: NO B-BOXES ARE ALLOWED IN SIDEWALKS.

TYPICAL SERVICE TAP  
AND CONNECTION

EXHIBIT NO. 403



NOTES:

- BLOCKING SHALL BE APPLIED FOR ALL TEES, PLUGS, CAPS, & 22 1/2" OR MORE BENDS.
- THRUST BLOCKS TO BE CLASS "X" CONCRETE.
- MECHANICAL JOINT RETAINER GLANDS MAY BE USED AS AN ALTERNATIVE TO CONCRETE THRUST BLOCK INSTALLATION WHEN APPROVED BY THE VILLAGE ENGINEER

THRUST BLOCK DETAILS

FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
N:\BuffaloGrove\200385_C2\Civil\01xxxx-ht-C2_DET_05.dgn		DRAWN - JAJ	REVISED -
		CHECKED - LMF	REVISED -
Default	PLOT DATE = 7/10/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

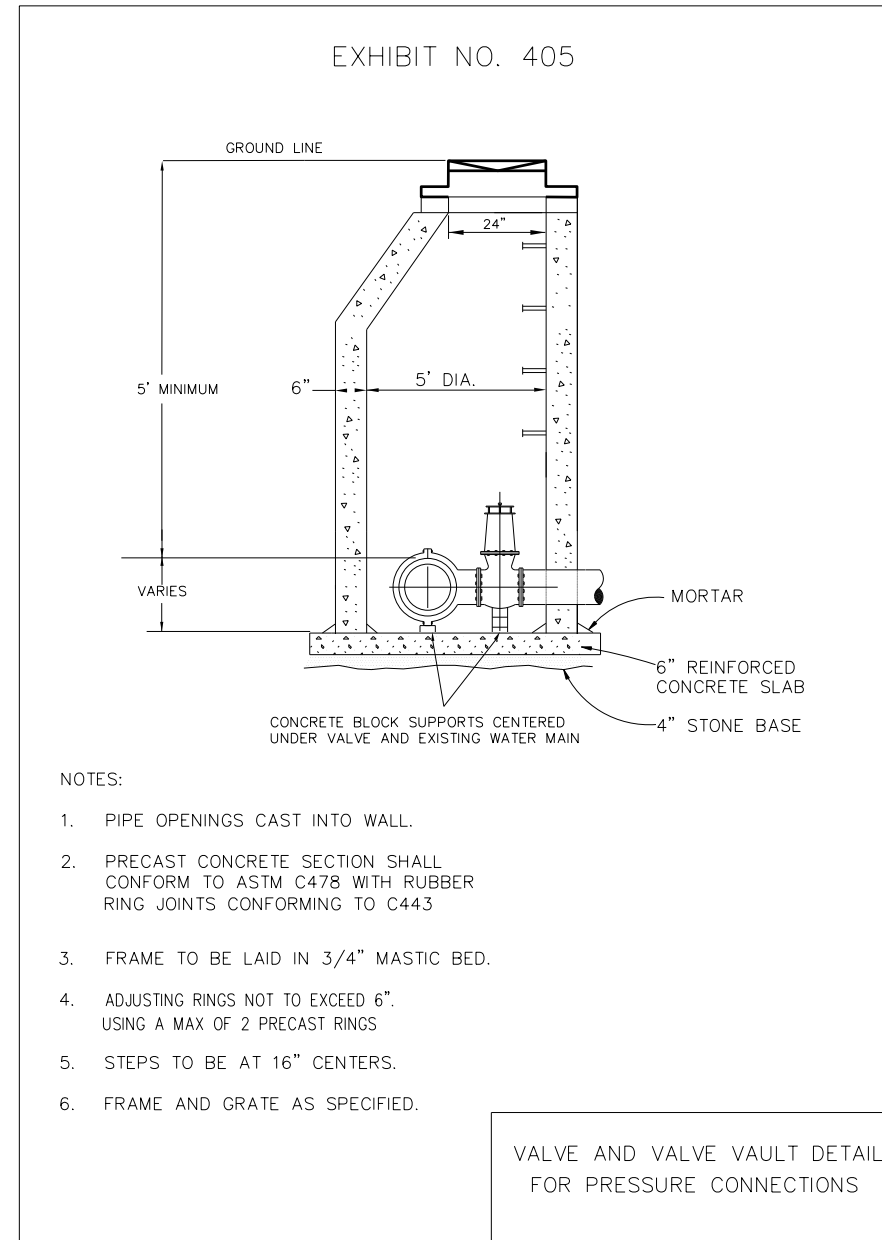
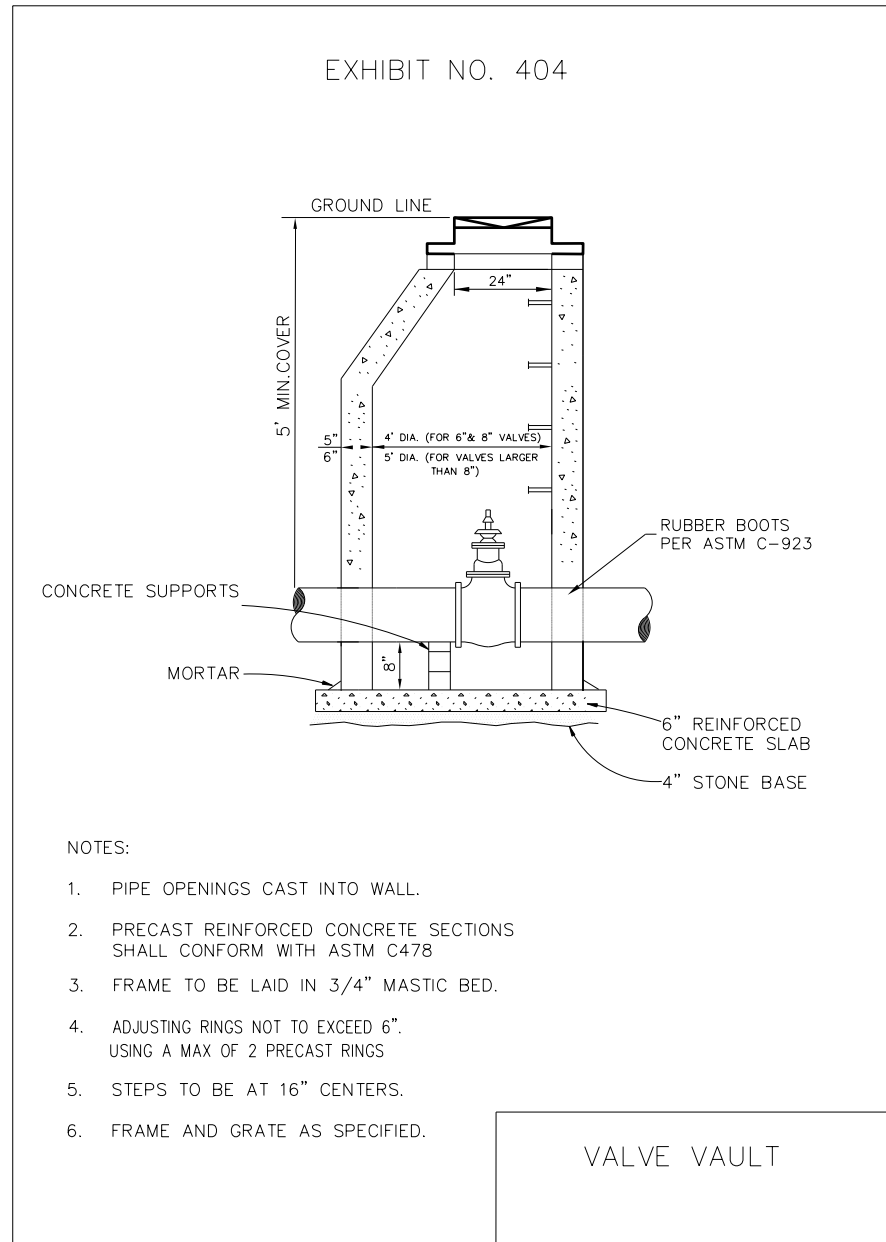
BERNARD DRIVE  
CONSTRUCTION DETAILS

SCALE: SHEET 5 OF 9 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	98
CONTRACT NO. 61K63			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	
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	BY	
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	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
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	FILE NAME	



FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

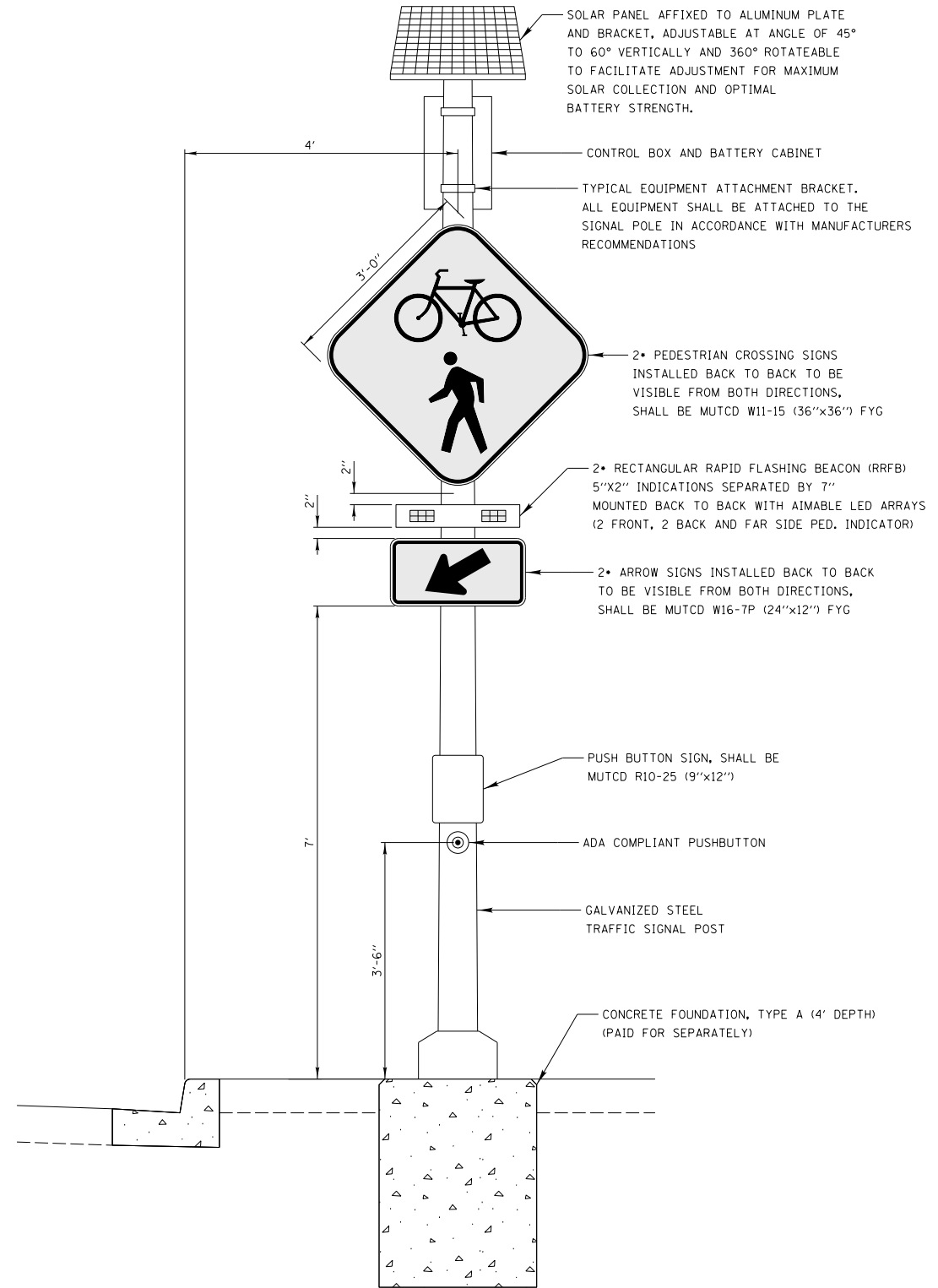
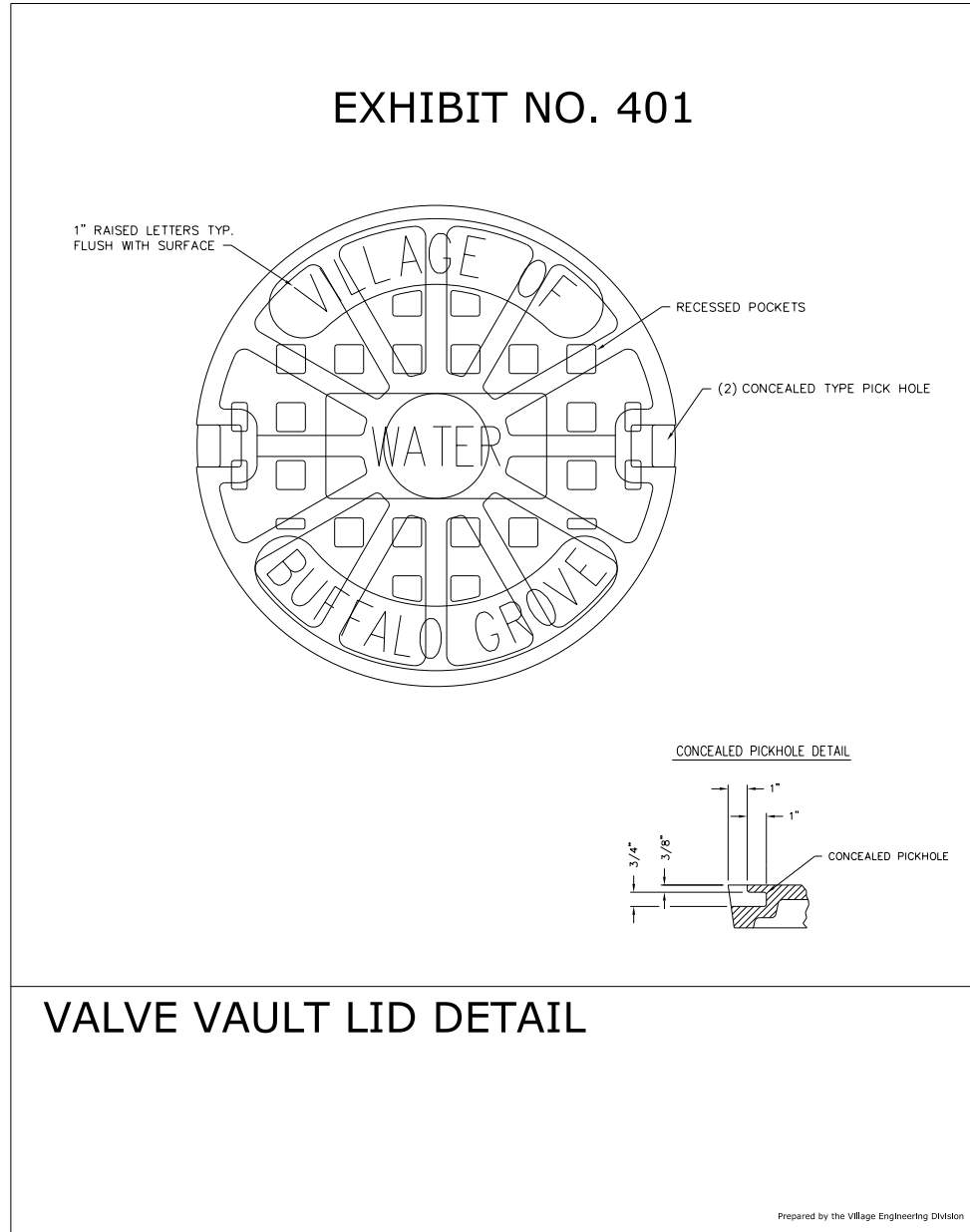
**BERNARD DRIVE  
CONSTRUCTION DETAILS**

SCALE: SHEET 6 OF 9 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	20-00108-02-R5	COOK	164	99
			CONTRACT NO. 61K63	
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	
	FILE NAME	



**SOLAR-POWERED FLASHING BEACON ASSEMBLY (COMPLETE)**

FILE NAME =	USER NAME = jjezierny	DESIGNED - SNS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BERNARD DRIVE CONSTRUCTION DETAILS</b>			MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\BuffaloGrove\200385_C2\Civil\DIxxxxx-ht-C2.DET_07.dgn		DRAWN - JAJ	REVISED -		1581	20-00108-02-R5	COOK	164	100			
Default	PLOT SCALE = 24'	CHECKED - LMF	REVISED -		CONTRACT NO. 61K63			ILLINOIS FED. AID PROJECT				
	PLOT DATE = 7/10/2024	DATE -	REVISED -		SCALE:	SHEET 7 OF 9 SHEETS	STA.	TO STA.				