

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	1
ILLINOIS CONTRACT NO. 61J83				

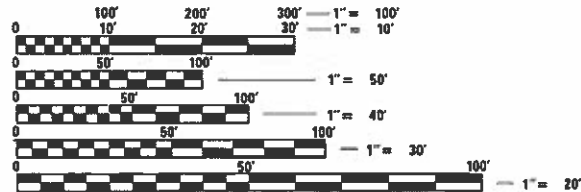
FOR INDEX OF SHEETS SEE SHEET 2

FOR LIST OF APPLICABLE HIGHWAY STANDARDS SEE SHEET 2

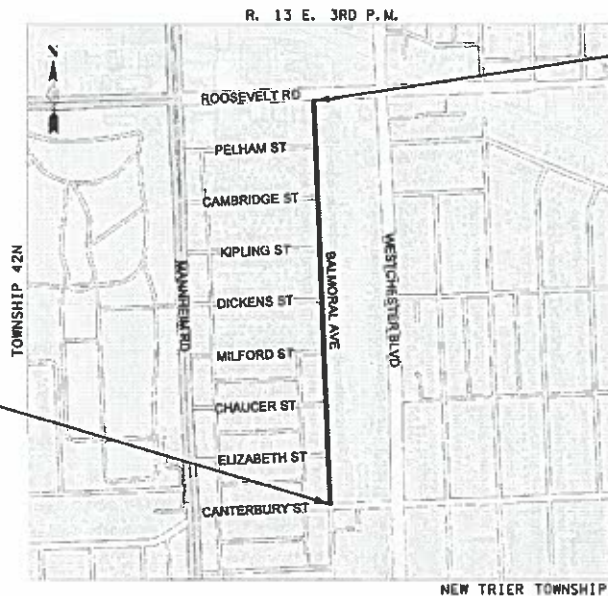
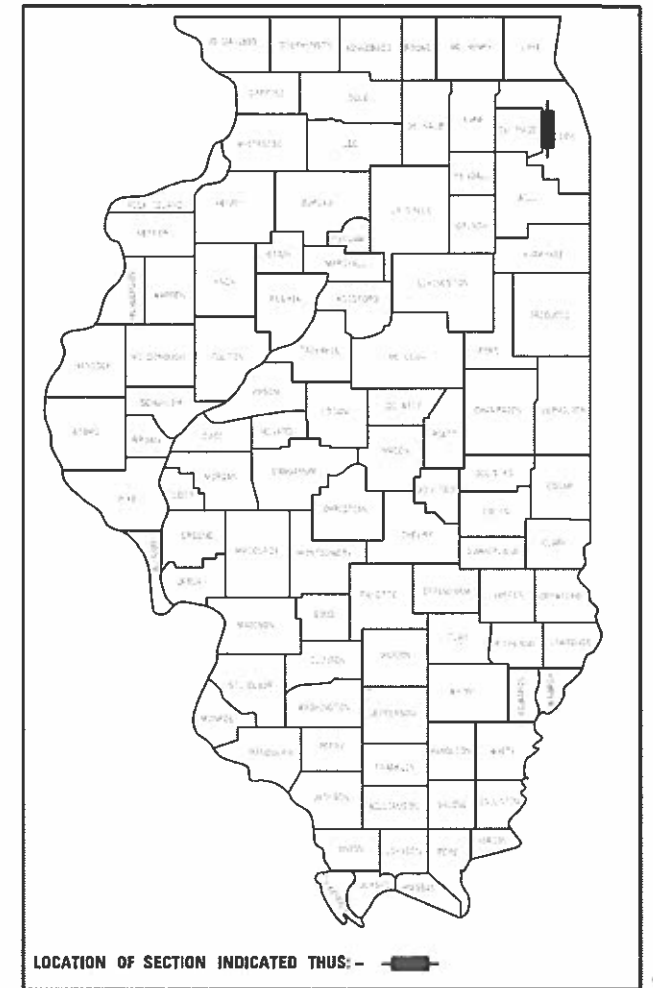
# PLANS FOR PROPOSED FEDERAL AID HIGHWAY

**BALMORAL AVENUE (FAU 2712) RECONSTRUCTION  
CANTERBURY STREET (FAU 1005) TO ROOSEVELT ROAD (FAP 347)  
SECTION 17-00084-00-PV  
PROJECT NO. ZZEE(871)  
VILLAGE OF WESTCHESTER  
COOK COUNTY  
JOB NO. C-91-249-17**

**TRAFFIC DATA**  
BALMORAL AVENUE  
DESIGN DESTINATION: MINOR COLLECTOR  
POSTED SPEED = 25 MPH  
DESIGN SPEED = 30 MPH  
TRAFFIC = 1300 (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.



PROJECT BEGINS STA. 100+01.50

PROJECT ENDS STA. 126+00

ALL STORM AND SANITARY SEWER MAIN, UNLESS OTHERWISE NOTED, ARE OWNED AND MAINTAINED BY THE VILLAGE OF WESTCHESTER.

**LOCATION MAP**  
1" = 600 FT

GROSS LENGTH = 2,598.5 FT = 0.49 MILES

NET LENGTH = 2,598.5 FT = 0.49 MILES

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

CONTRACT NO. 61J83

**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: 04/30/23

**STEPHEN N. SUGG**  
062-044117 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS  
*Stephen N. Sugg*  
Engineer  
8/22/2023 DATE

**STEPHEN N. SUGG**  
ILLINOIS REGISTRATION No. 062-044117  
EXPIRATION DATE: 11/30/23

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

Approved *Jon H. Hsieh* 8/22/23  
VILLAGE OF WESTCHESTER, MAYOR

Passed *September 7, 2023*  
*C.A. Firdle*  
District 1 Engineer of Local Roads & Streets

Releasing for Bid Based on Limited Review  
*SEPTEMBER 7, 2023*  
*Jose Elias (CRS)*  
Regional Engineer

**PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS**

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



SUMMARY OF QUANTITIES				CONSTRUCTION CODE TYPE	
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0004 ROADWAY	0043 WESTCHESTER NON-PARTICIPATING
△ 20101200	TREE ROOT PRUNING	EACH	39	39	
20200100	EARTH EXCAVATION	CU YD	4432	4432	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	400	400	
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	2500	2500	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	4800	4800	
25000110	SEEDING, CLASS 1A	ACRE	1	1	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	90	90	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	90	90	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	90	90	
25100630	EROSION CONTROL BLANKET	SQ YD	4800	4800	
25200200	SUPPLEMENTAL WATERING	UNIT	75	75	
28000510	INLET FILTERS	EACH	34	34	
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	400	400	
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	9350	9350	
31101180	SUBBASE GRANULAR MATERIAL, TYPE B 2"	SQ YD	2100	2100	
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	1137	1137	

△ INDICATES SPECIALTY ITEM

+ CONSTRUCTION CODE 0042

FILE NAME =	USER NAME = jjezerny	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BALMORAL AVENUE RECONSTRUCTION SUMMARY OF QUANTITIES</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
N:\WESTCHESTER\120326\120326.00026A\C.v	1\500_120326-26A_01.SHT	DRAWN -	REVISED -		SCALE: 1:40	SHEET	OF	SHEETS	STA.	TO STA.	2712	17-00084-00-PV	COOK	89	3
Default	PLOT SCALE = 40'	CHECKED -	REVISED -		CONTRACT NO. 61J83										
	PLOT DATE = 9/1/2023	DATE -	REVISED -		ILLINOIS FED. AID PROJECT										

SUMMARY OF QUANTITIES				CONSTRUCTION CODE TYPE	
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0004 ROADWAY	0043 WESTCHESTER NON-PARTICIPATING
31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	1495	1495	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	2130	2130	
40600370	LONGITUDINAL JOINT SEALANT	FOOT	5200	5200	
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	15	15	
40701801	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 6"	SQ YD	9350	9350	
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	825	825	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	20000	20000	
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	2800	2800	
42400800	DETECTABLE WARNINGS	SQ FT	364	364	
44000100	PAVEMENT REMOVAL	SQ YD	9410	9410	
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	122	122	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	743	743	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	5250	5250	
44000600	SIDEWALK REMOVAL	SQ FT	22800	22800	
550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	450	450	
550A2330	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	FOOT	22	22	

△ INDICATES SPECIALTY ITEM

+ CONSTRUCTION CODE 0042

FILE NAME =	USER NAME = rhowellindgren	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BALMORAL AVENUE RECONSTRUCTION SUMMARY OF QUANTITIES</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\WESTCHESTER\120326\120326.00026A\C.v	I:\500.120326-26A.02.SHT	DRAWN -	REVISED -			2712	17-00084-00-PV	COOK	89	4	
Default	PLOT SCALE = 48"	CHECKED -	REVISED -			CONTRACT NO. 61J83		ILLINOIS FED. AID PROJECT			
	PLOT DATE = 9/7/2023	DATE -	REVISED -			SCALE: 1:40	SHEET OF SHEETS	STA. TO STA.			



SUMMARY OF QUANTITIES				CONSTRUCTION CODE TYPE	
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0004 ROADWAY	0043 WESTCHESTER NON-PARTICIPATING
55100300	STORM SEWER REMOVAL 8"	FOOT	833	833	
55100400	STORM SEWER REMOVAL 10"	FOOT	59	59	
55100500	STORM SEWER REMOVAL 12"	FOOT	147	147	
55100700	STORM SEWER REMOVAL 15"	FOOT	22	22	
Δ 56102900	DUCTILE IRON WATER MAIN 4"	FOOT	20		20
Δ 56103000	DUCTILE IRON WATER MAIN 6"	FOOT	175		175
Δ 56104800	WATER VALVES 4"	EACH	1		1
Δ 56105000	WATER VALVES 8"	EACH	13		13
Δ 56400500	FIRE HYDRANTS TO BE REMOVED	EACH	8		8
Δ 56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	8		8
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	1060	1060	
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	26	26	
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	12	12	
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	2	2	
Δ 60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	13		13

Δ INDICATES SPECIALTY ITEM

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FILE NAME =	USER NAME = jjezerny	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BALMORAL AVENUE RECONSTRUCTION SUMMARY OF QUANTITIES</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\WESTCHESTER\120326\120326.00026A\C.v	1\500.120326-26A.03.SHT	DRAWN -	REVISED -					2712	17-00084-00-PV	COOK	89	5
Default	PLT SCALE = 40'	CHECKED -	REVISED -		SCALE: 1:40 SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 61J83				
	PLT DATE = 9/1/2023	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

SUMMARY OF QUANTITIES				CONSTRUCTION CODE TYPE	
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0004 ROADWAY	0043 WESTCHESTER NON-PARTICIPATING
60500040	REMOVING MANHOLES	EACH	5	5	
60500050	REMOVING CATCH BASINS	EACH	37	37	
60500060	REMOVING INLETS	EACH	1	1	
△ XX009600	FILLING VALVE VAULTS	EACH	9		9
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	5215	5215	
67100100	MOBILIZATION	L SUM	1	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	70	70	
△ 72000100	SIGN PANEL - TYPE 1	SQ FT	129	129	
△ 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	22	22	
△ 72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	15	15	
△ 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	1	1	
△ 72900100	METAL POST - TYPE A	FOOT	319	319	
△ 73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	1	1	
△ 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	140	140	
△ 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5490	5490	
△ 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	393	393	

△ INDICATES SPECIALTY ITEM

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N:\WESTCHESTER\120326\120326.00026A\C.v	1\500.120326-26A.04.SHT	DRAWN -	REVISED -					2712	17-00084-00-PV	COOK	89	6
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	PLDT DATE = 9/1/2023	DATE -	REVISED -								ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES				CONSTRUCTION CODE TYPE	
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0004 ROADWAY	0043 WESTCHESTER NON-PARTICIPATING
△ 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	546	546	
△ 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	148	148	
△ X0324878	ADJUSTING SANITARY SEWER SERVICE LINE	EACH	26	26	
X0326806	WASHOUT BASIN	L SUM	1	1	
X2080250	TRENCH BACKFILL, SPECIAL	CU YD	3447	747	2700
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	31	31	
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	3	3	
X4023000	TEMPORARY ACCESS (ROAD)	EACH	7	7	
△ X5610746	WATER MAIN LINE STOP 6"	EACH	4		4
△ X5610748	WATER MAIN LINE STOP 8"	EACH	2		2
△ X5620030	WATER SERVICE CONNECTION 1"	EACH	36		36
△ X5620035	WATER SERVICE CONNECTION 1 1/2"	EACH	25		25
△ X5620040	WATER SERVICE CONNECTION 2"	EACH	1		1
△ X5630006	CUT AND CAP EXISTING 6" WATER MAIN	EACH	8		8
△ X5630008	CUT AND CAP EXISTING 8" WATER MAIN	EACH	2		2
△ X6026623	VALVE BOX	EACH	1		1

△ INDICATES SPECIALTY ITEM

+ CONSTRUCTION CODE 0042

SUMMARY OF QUANTITIES				CONSTRUCTION CODE TYPE	
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0004 ROADWAY	0043 WESTCHESTER NON-PARTICIPATING
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	23	23	
X6040205	FRAMES AND LIDS (SPECIAL)	EACH	23	23	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
△ XX003517	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE) - 6"	EACH	7		7
XX005431	LOCATING UNDERGROUND UTILITY	EACH	10	10	
XX007486	STORM STRUCTURE INTERNAL REPAIR (SPECIAL)	EACH	8	8	
XX008864	INSTALL SIGN	EACH	8	8	
△ XX009157	WATER MAIN 8" (SPECIAL)	FOOT	2827		2827
Z0004510	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"	SQ YD	50	50	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52	52	
Z0056653	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 21"	FOOT	18	18	
Z0056668	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 12"	FOOT	177	177	
Z0056672	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 24"	FOOT	40	40	
Z0056675	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 30"	FOOT	45	45	
Z0056691	STORM SEWERS, TYPE 3, WATER MAIN QUALITY PIPE, 27"	FOOT	20	20	

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N:\WESTCHESTER\120326\120326.00026A\C.v	1\500_120326-26A_06.SHT	DRAWN -	REVISED -					2712	17-00084-00-PV	COOK	89	8
Default	PLT SCALE = 40'	CHECKED -	REVISED -		SCALE: 1=40	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 61J83				
	PLT DATE = 9/1/2023	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							




SUMMARY OF QUANTITIES				CONSTRUCTION CODE TYPE	
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0004 ROADWAY	0043 WESTCHESTER NON-PARTICIPATING
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2	2	
+ Z0076600	TRAINEES	HOUR	500	500	
+ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500	
Z0056677	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 33"	FOOT	40	40	

△ INDICATES SPECIALTY ITEM

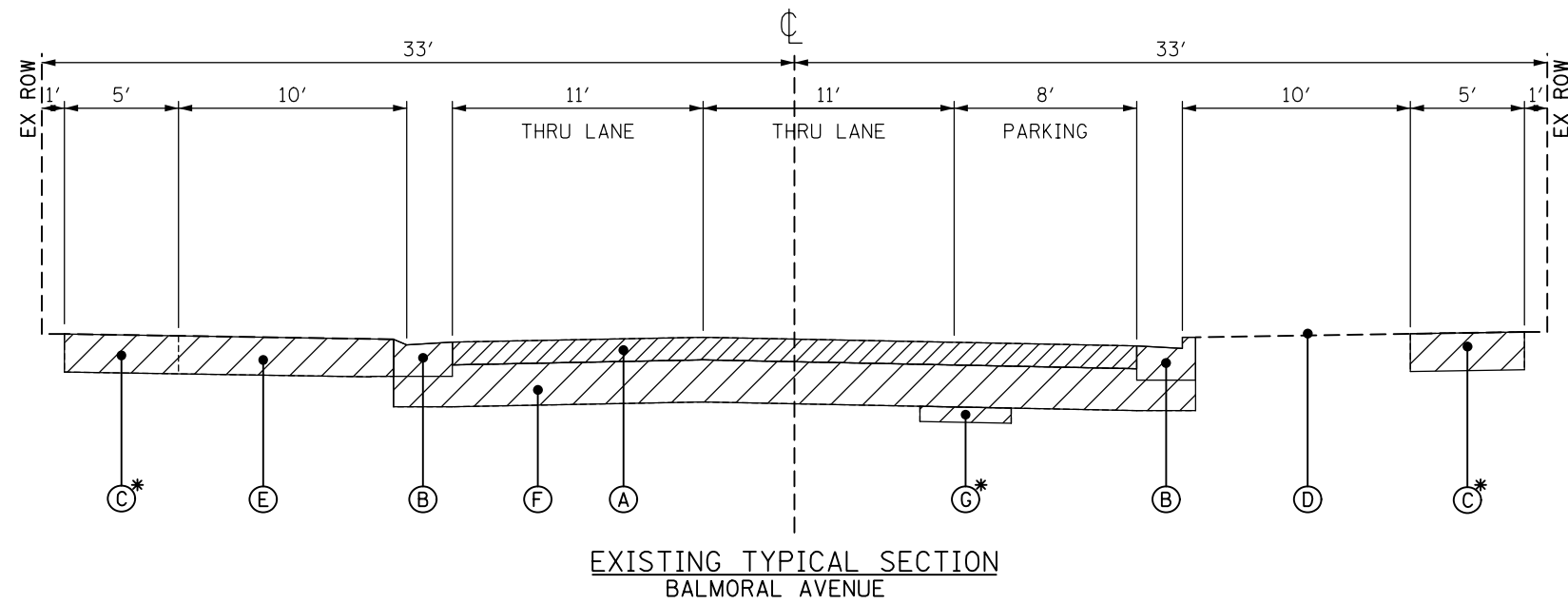
+ CONSTRUCTION CODE 0042

FILE NAME =	USER NAME = nhowellindgren	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BALMORAL AVENUE RECONSTRUCTION SUMMARY OF QUANTITIES</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\WESTCHESTER\120326\120326.00026A\C.D.W	\500.120326-26A.07.SHT	DRAWN -	REVISED -			2712	17-00084-00-PV	COOK	89	9
Default	PLOT SCALE = 40'	CHECKED -	REVISED -			CONTRACT NO. 6LJB3				
	PLOT DATE = 9/7/2023	DATE -	REVISED -			SCALE: 1:40	SHEET OF SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT		

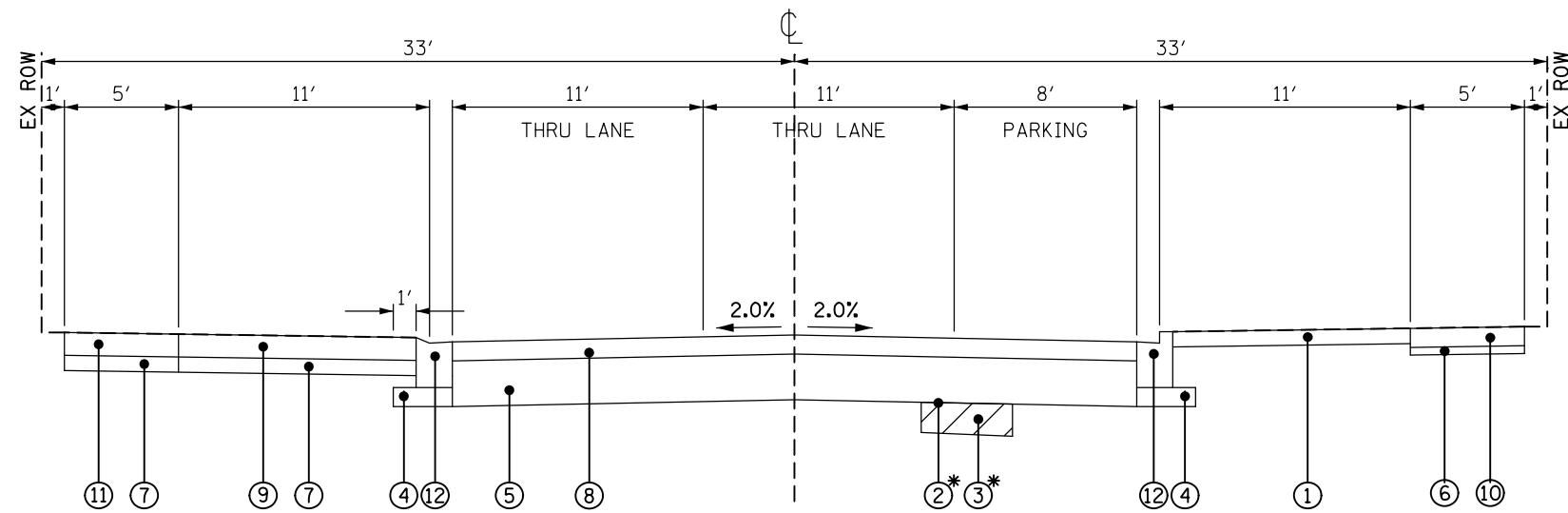
**LEGEND**

-  REMOVAL ITEMS
- (A) EXISTING PAVEMENT (SEE BALMORAL AVENUE CORE DETAILS BELOW FOR PAVEMENT THICKNESS)
- (B) EXISTING COMBINATION CONCRETE CURB AND GUTTER
- \* (C) EXISTING PCC SIDEWALK
- (D) EXISTING TOPSOIL AND SODDING
- (E) EXISTING CONCRETE DRIVEWAY
- (F) EARTH EXCAVATION (EXISTING SUBBASE/SUBGRADE)
- \* (G) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- (1) LANDSCAPE RESTORATION:
  - o SEEDING, CLASS 1A
  - o TOPSOIL FURNISH AND PLACE, 4"
  - o NITROGEN FERTILIZER NUTRIENT
  - o PHOSPHORUS FERTILIZER NUTRIENT
  - o POTASSIUM FERTILIZER NUTRIENT
- \* (2) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- \* (3) AGGREGATE SUBGRADE IMPROVEMENT
- (4) SUBBASE GRANULAR MATERIAL, TYPE B 6"
- (5) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (6) SUBBASE GRANULAR MATERIAL, TYPE B 2"
- (7) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (8) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 6"
- (9) PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6"
- (10) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- (11) PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH (AT DRIVEWAYS)
- (12) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- \* AT LOCATIONS AS DIRECTED BY THE ENGINEER

NOTE: LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER THE LAST LIFT OF HMA BINDER COURSE, IL-19.0, N50.



EXISTING TYPICAL SECTION  
BALMORAL AVENUE



PROPOSED TYPICAL SECTION  
BALMORAL AVENUE

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @NDES	QMP
<b>BALMORAL AVENUE HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6"</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50; 2"	4% @ 50 GYR	LR 1030 - 2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 4"	4% @ 50 GYR	LR 1030 - 2
<b>BALMORAL AVENUE BUTT JOINTS</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50; 2"	4% @ 50 GYR	LR 1030 - 2
<b>HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50; 3" (IN 2 LIFTS)	4% @ 50 GYR	LR 1030 - 2
<b>QMP DESIGNATION: QUALITY CONTROL / QUALITY ASSURANCE (QC/QA) PER LR 1030-2</b>		

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQYD/IN.

THE "AC TYPE" FOR NON-POLYMERIZED HMA MIXES SHALL BE "PG-76-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

**BALMORAL AVENUE CORE DETAILS**

CORE NUMBER	STATION FROM	STATION TO	TOTAL BITUMINOUS CONCRETE THICKNESS	TOTAL P.C. CONCRETE THICKNESS*	CRUSHED CONCRETE THICKNESS
C-1	100+00	102+94	4.5"	0"	5"
C-2	102+94	106+15	4.75"	0"	1"
C-3	106+15	109+41	4.5"	4.75"	NA
C-4	109+41	112+82	3.75"	3.75"	NA
C-5	112+82	116+37	4"	0"	6"
C-6	116+37	119+76	5"	7"	NA
C-7	119+76	122+73	1.75"	4"	NA
C-8	122+73	126+00	5.25"	7.5"	NA

FILE NAME =	USER NAME = jjezerny	DESIGNED -	REVISED -
N:\WESTCHESTER\120326\120326.00026A\C1.v	1\TYP_120326-26A_01.SHT	DRAWN -	REVISED -
Default	PLOT SCALE = 8'	CHECKED -	REVISED -
	PLOT DATE = 9/1/2023	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

<b>BALMORAL AVENUE RECONSTRUCTION</b>			
<b>TYPICAL SECTIONS</b>			
SCALE: 1:8	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	10
CONTRACT NO.			61J83	
ILLINOIS FED. AID PROJECT				

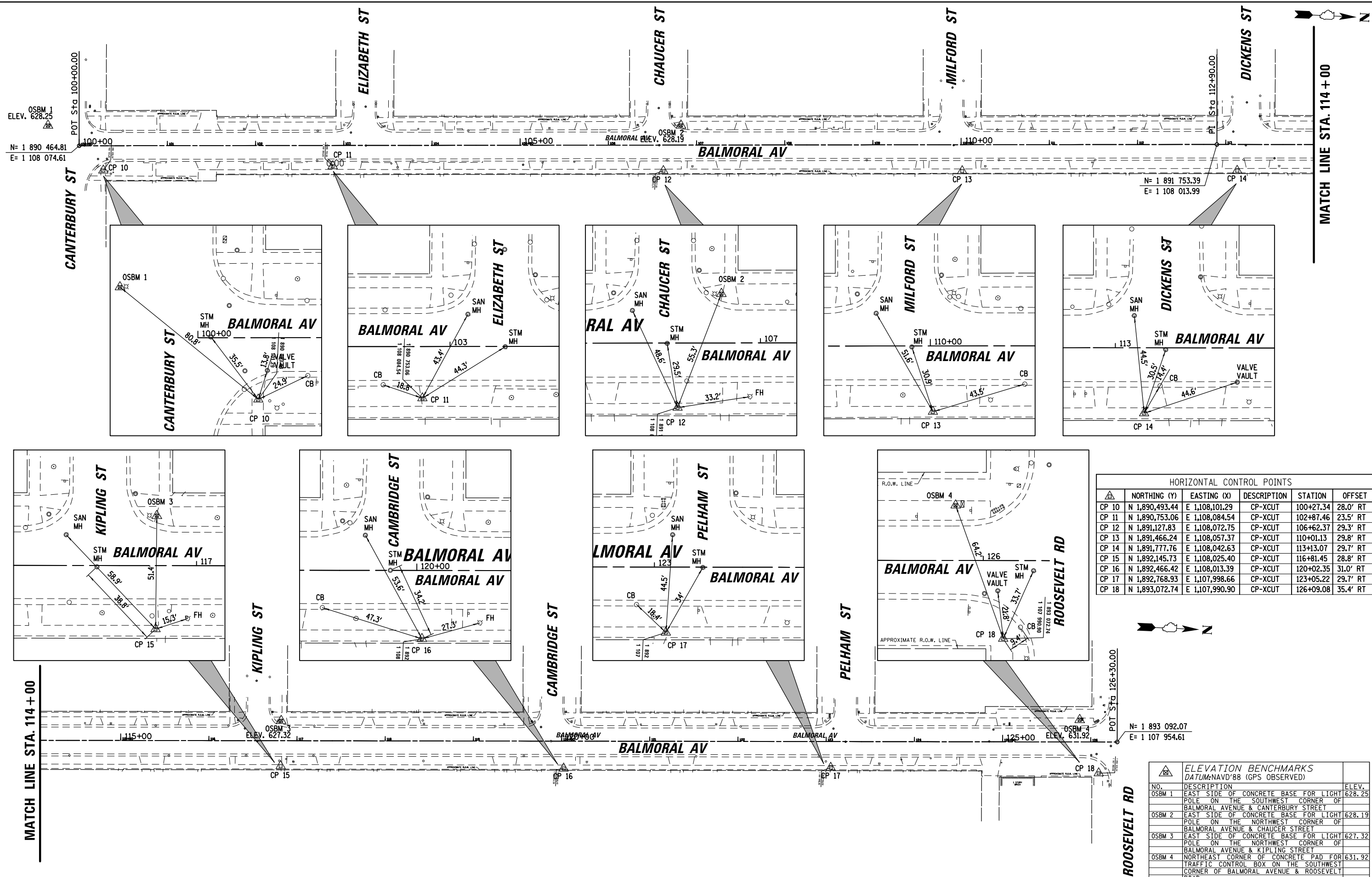
EARTHWORK SCHEDULE						
STATION			20200100			
			EARTH EXCAVATION	EARTH EXCAVATION VOLUME USED (15% SHRINKAGE)	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
			(CU YD)	(CU YD)	(CU YD)	(CU YD)
100+50	TO	101+00	71.9	61.1	0.0	61.1
101+00	TO	101+50	80.9	68.8	0.0	68.8
101+50	TO	102+00	87.2	74.1	0.0	74.1
102+00	TO	102+50	80.9	68.8	0.0	68.8
102+50	TO	103+00	84.7	72.0	0.0	72.0
103+00	TO	103+50	84.8	72.1	0.4	71.7
103+50	TO	103+68	28.1	23.8	0.1	23.7
103+68	TO	104+00	49.7	42.2	0.0	42.2
104+00	TO	104+50	75.0	63.8	0.0	63.8
104+50	TO	105+00	72.4	61.5	0.0	61.5
105+00	TO	105+18	30.3	25.7	0.0	25.7
105+18	TO	105+50	53.1	45.1	0.0	45.1
105+50	TO	105+69	28.5	24.2	0.0	24.2
105+69	TO	106+00	49.9	42.4	0.0	42.4
106+00	TO	106+29	51.0	43.4	0.0	43.4
106+29	TO	107+00	134.4	114.2	0.0	114.2
107+00	TO	107+36	59.6	50.6	0.0	50.6
107+36	TO	107+50	22.3	18.9	0.0	18.9
107+50	TO	108+00	68.6	58.3	0.6	57.8
108+00	TO	108+50	63.8	54.2	0.6	53.7
108+50	TO	109+00	77.9	66.2	0.0	66.2
109+00	TO	109+35	62.3	52.9	0.0	52.9
109+35	TO	109+50	28.1	23.9	0.0	23.9
109+50	TO	110+50	162.8	138.4	1.3	137.1
110+50	TO	110+74	40.6	34.5	0.3	34.2
110+74	TO	111+00	44.6	37.9	0.0	37.9
111+00	TO	111+35	55.8	47.4	0.0	47.4
111+35	TO	111+50	23.7	20.1	0.0	20.1
111+50	TO	112+00	75.6	64.2	0.0	64.2
112+00	TO	112+18	31.6	26.9	0.0	26.9
112+18	TO	112+50	63.4	53.9	0.0	53.9
112+50	TO	113+00	100.2	85.2	0.0	85.2
113+00	TO	113+50	92.6	78.7	0.4	78.3
113+50	TO	114+00	63.1	53.7	2.3	51.4
114+00	TO	114+50	48.7	41.4	2.7	38.7
114+50	TO	114+72	28.8	24.5	0.3	24.2
114+72	TO	115+00	40.9	34.7	0.0	34.7
115+00	TO	115+23	38.2	32.5	0.0	32.5
115+23	TO	115+36	24.0	20.4	0.0	20.4
115+36	TO	115+50	23.1	19.6	0.0	19.6
115+50	TO	115+72	38.2	32.5	0.0	32.5
115+72	TO	116+00	49.0	41.7	0.0	41.7
116+00	TO	117+00	176.1	149.7	0.0	149.7
117+00	TO	117+35	62.0	52.7	0.0	52.7
117+35	TO	117+50	23.4	19.9	0.0	19.9
117+50	TO	117+81	48.1	40.9	0.0	40.9
117+81	TO	118+00	28.4	24.1	0.0	24.1
118+00	TO	118+33	54.9	46.7	0.0	46.7
118+33	TO	118+50	29.6	25.2	0.0	25.2
118+50	TO	119+00	90.9	77.3	0.0	77.3
119+00	TO	119+36	77.3	65.7	0.0	65.7
119+36	TO	119+50	29.4	25.0	0.0	25.0
119+50	TO	120+50	239.6	203.7	0.0	203.7
120+50	TO	120+78	81.3	69.1	0.0	69.1
120+78	TO	121+00	59.2	50.3	0.0	50.3
121+00	TO	121+33	92.6	78.7	0.0	78.7
121+33	TO	121+50	48.0	40.8	0.0	40.8
121+50	TO	121+89	107.9	91.7	0.0	91.7
121+89	TO	122+00	31.4	26.7	0.0	26.7
122+00	TO	122+50	137.8	117.1	0.0	117.1
122+50	TO	123+00	123.4	104.9	0.0	104.9
123+00	TO	123+37	85.1	72.4	0.0	72.4
123+37	TO	123+50	31.2	26.6	0.3	26.3
123+50	TO	123+94	84.9	72.2	1.0	71.2
123+94	TO	124+00	10.6	9.0	0.0	9.0
124+85	TO	125+00	26.4	22.4	0.0	22.4
125+00	TO	125+50	74.9	63.7	0.0	63.7
125+50	TO	125+74	40.2	34.2	0.0	34.2
125+74	TO	126+00	47.7	40.5	0.0	40.5
126+00	TO		0.0	0.0	0.0	0.0
<b>BALMORAL AV SUBTOTAL</b>			<b>4432.0</b>	<b>3767.7</b>	<b>10.2</b>	<b>3757.5</b>

NOTE: A SHRINKAGE FACTOR OF 15% IS ASSUMED FOR FILL MATERIALS.

FILE NAME =	USER NAME = jjezerny	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BALMORAL AVENUE RECONSTRUCTION EARTHWORK SCHEDULE</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\WESTCHESTER\120326\120326.00026A\C.V	I:\SCH.120326-26A_01.SHT	DRAWN -	REVISED -				2712	17-00084-00-PV	COOK	89	11
Default	PLOT SCALE = 48'	CHECKED -	REVISED -				CONTRACT NO. 61J83		ILLINOIS FED. AID PROJECT		
	PLOT DATE = 9/1/2023	DATE -	REVISED -				SCALE: 1:40	SHEET OF SHEETS	STA. TO STA.		

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

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



HORIZONTAL CONTROL POINTS					
CP	NORTHING (Y)	EASTING (X)	DESCRIPTION	STATION	OFFSET
CP 10	N 1,890,493.44	E 1,108,101.29	CP-XCUT	100+27.34	28.0' RT
CP 11	N 1,890,753.06	E 1,108,084.54	CP-XCUT	102+87.46	23.5' RT
CP 12	N 1,891,127.83	E 1,108,072.75	CP-XCUT	106+62.37	29.3' RT
CP 13	N 1,891,466.24	E 1,108,057.37	CP-XCUT	110+01.13	29.8' RT
CP 14	N 1,891,777.76	E 1,108,042.63	CP-XCUT	113+13.07	29.7' RT
CP 15	N 1,892,145.73	E 1,108,025.40	CP-XCUT	116+81.45	28.8' RT
CP 16	N 1,892,466.42	E 1,108,013.39	CP-XCUT	120+02.35	31.0' RT
CP 17	N 1,892,768.93	E 1,107,998.66	CP-XCUT	123+05.22	29.7' RT
CP 18	N 1,893,072.74	E 1,107,990.90	CP-XCUT	126+09.08	35.4' RT



ELEVATION BENCHMARKS DATUM: NAVD'88 (GPS OBSERVED)		
NO.	DESCRIPTION	ELEV.
OSBM 1	EAST SIDE OF CONCRETE BASE FOR LIGHT POLE ON THE SOUTHWEST CORNER OF BALMORAL AVENUE & CANTERBURY STREET	628.25
OSBM 2	EAST SIDE OF CONCRETE BASE FOR LIGHT POLE ON THE NORTHWEST CORNER OF BALMORAL AVENUE & CHAUCER STREET	628.19
OSBM 3	EAST SIDE OF CONCRETE BASE FOR LIGHT POLE ON THE NORTHWEST CORNER OF BALMORAL AVENUE & KIPLING STREET	627.32
OSBM 4	NORTHEAST CORNER OF CONCRETE PAD FOR TRAFFIC CONTROL BOX ON THE SOUTHWEST CORNER OF BALMORAL AVENUE & ROOSEVELT ROAD	631.92

FILE NAME =	USER NAME = jjezierny	DESIGNED -	REVISED -
N:\WESTCHESTER\120326\120326.00026A\Cv1	1\BMK_120326-26A.sht	DRAWN -	REVISED -
Default	PLOT SCALE = 100'	CHECKED -	REVISED -
	PLOT DATE = 9/1/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

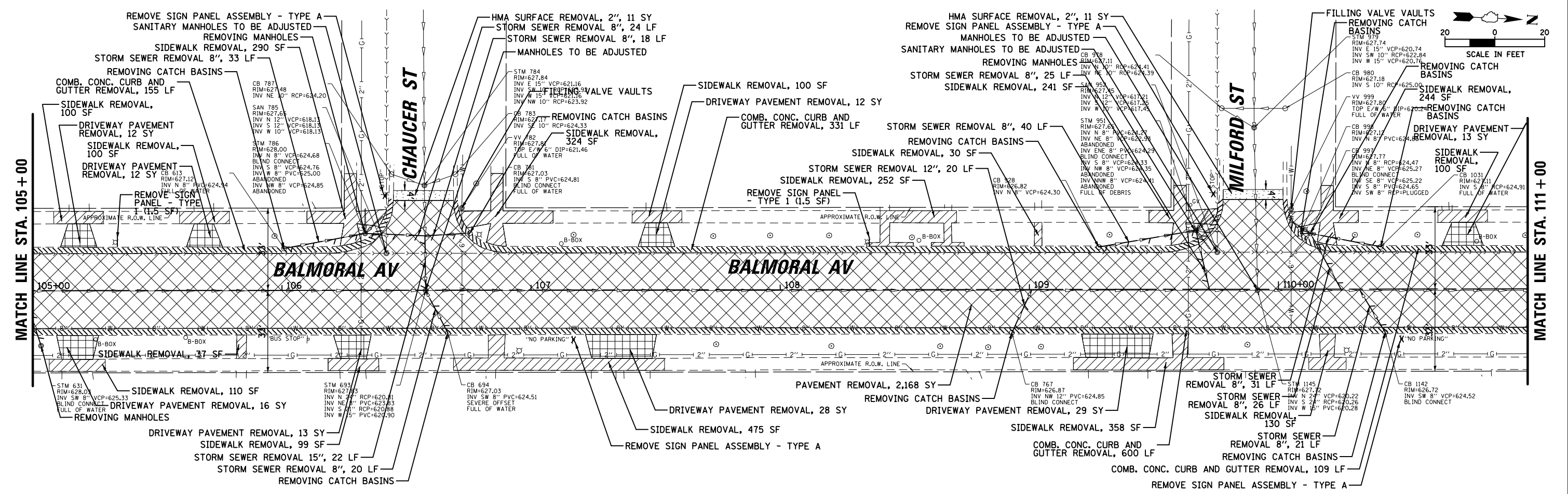
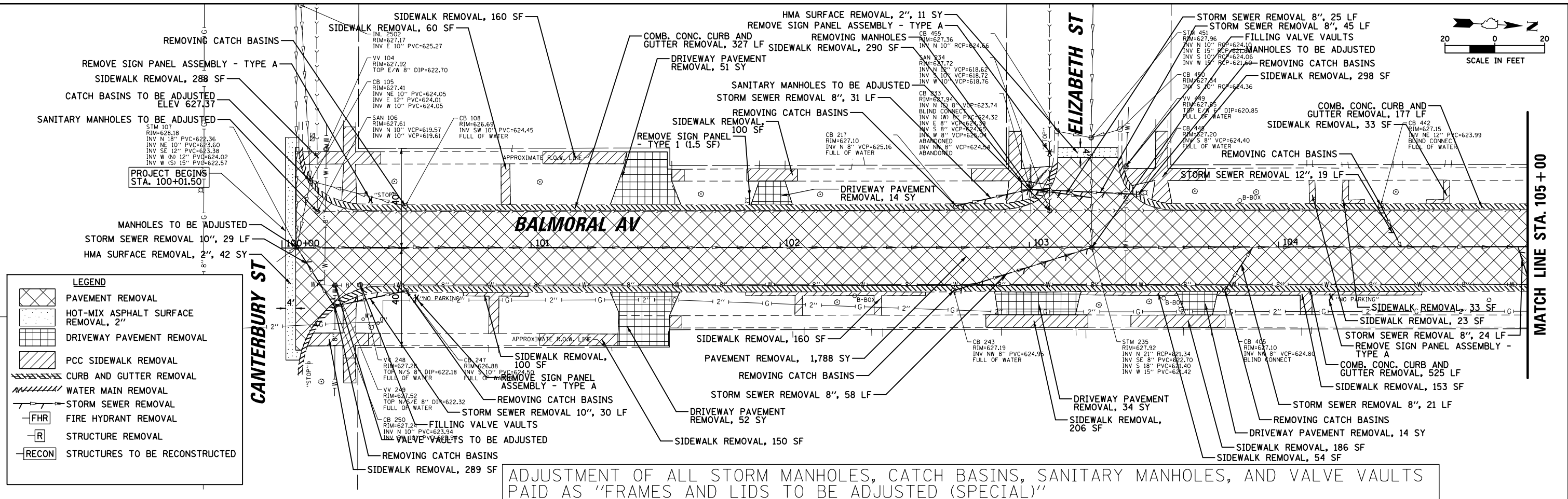
<b>BALMORAL AVENUE RECONSTRUCTION ALIGNMENT, TIES, AND BENCHMARKS</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	12
CONTRACT NO.			61J83	
ILLINOIS FED. AID PROJECT				



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

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



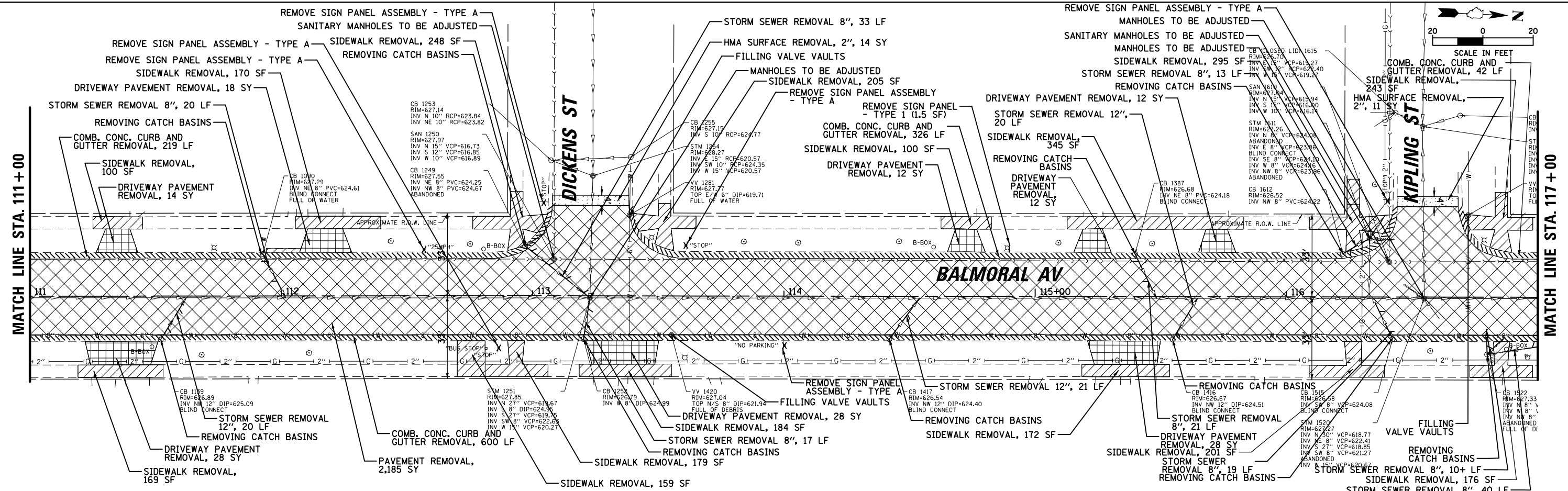
FILE NAME =	USER NAME = jjezierny	DESIGNED -	REVISED -	F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\WESTCOSTERN\120326\120326.00026A\C1.dwg	1\REM_120326-26A.1.sht	DRAWN -	REVISED -	2712	17-00084-00-PV	COOK	89	13
Default	PLOT SCALE = 48"	CHECKED -	REVISED -	CONTRACT NO. 61J83				
	PLOT DATE = 9/1/2023	DATE -	REVISED -	ILLINOIS FED. AID PROJECT				

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

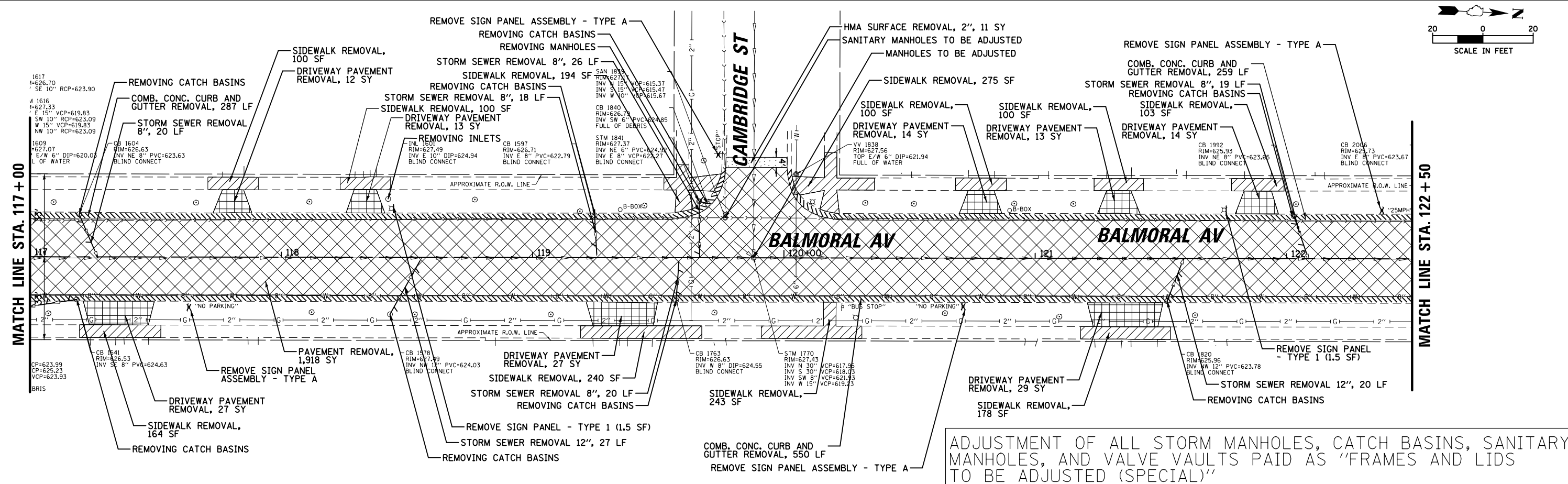
**BALMORAL AVENUE RECONSTRUCTION  
EXISTING CONDITIONS AND REMOVAL PLANS**

SCALE: 1:40 SHEET 1 OF 3 SHEETS STA. TO STA.

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



DATE	
BY	
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS OK'D	
PROFILE	
NOTE BOOK	
NO.	



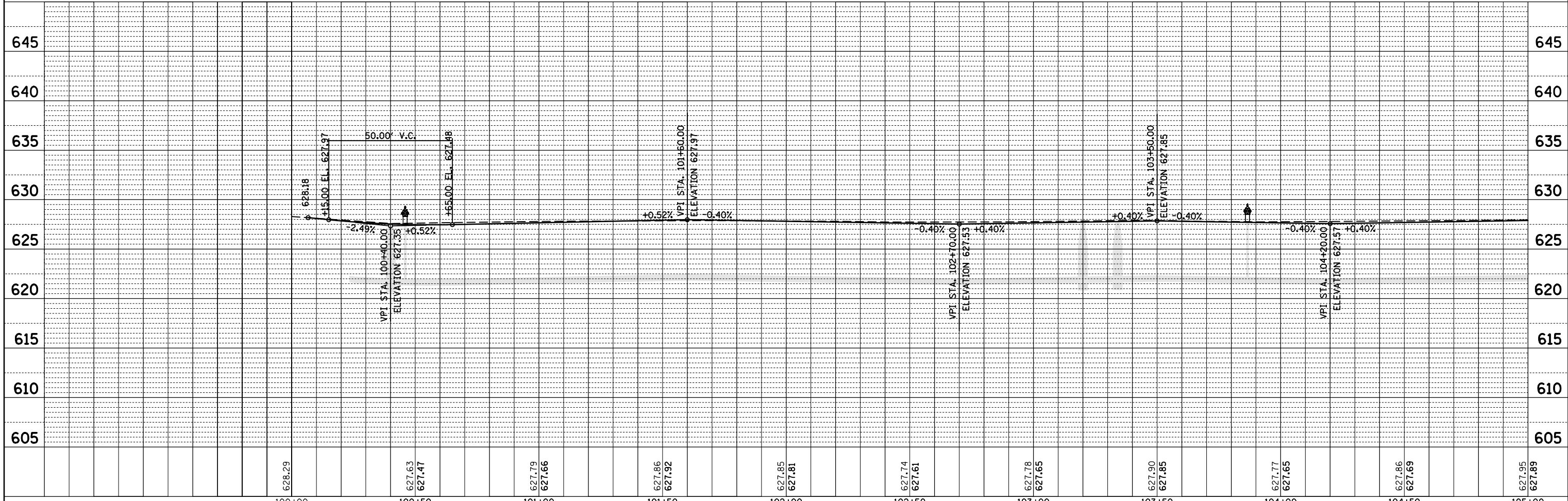
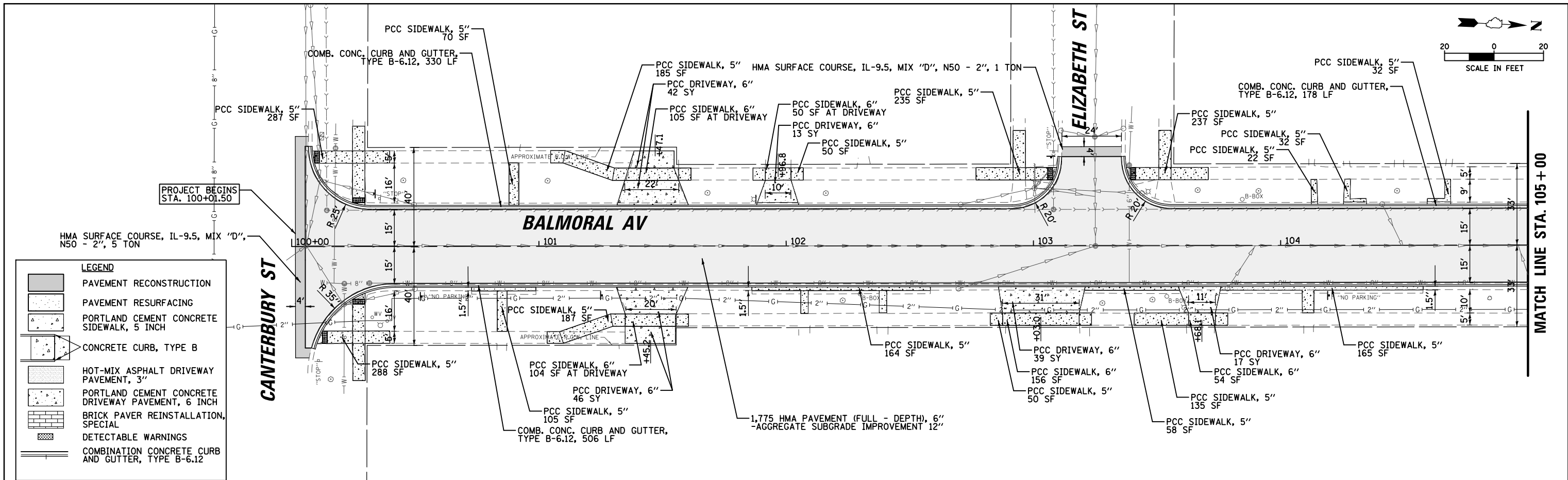
ADJUSTMENT OF ALL STORM MANHOLES, CATCH BASINS, SANITARY MANHOLES, AND VALVE VAULTS PAID AS "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)"

FILE NAME =	USER NAME = jjezierny	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BALMORAL AVENUE RECONSTRUCTION EXISTING CONDITIONS AND REMOVAL PLANS</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\WESTCHESTER\120326\120326.00026A.CAD	1\REM_120326-26A_2.sht	DRAWN -	REVISED -			2712	17-00084-00-PV	COOK	89	14
Default	PLOT SCALE = 48"	CHECKED -	REVISED -			CONTRACT NO. 61J83				
	PLOT DATE = 9/1/2023	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
SCALE: 1:40						SHEET 2 OF 3 SHEETS		STA. TO STA.		



PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO. _____	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO. _____	



FILE NAME =	USER NAME = jjezierny	DESIGNED -	REVISED -
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Default	PLOT SCALE = 48"	CHECKED -	REVISED -
	PLOT DATE = 9/1/2023	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BALMORAL AVENUE RECONSTRUCTION  
PROPOSED ROADWAY PLANS AND PROFILES

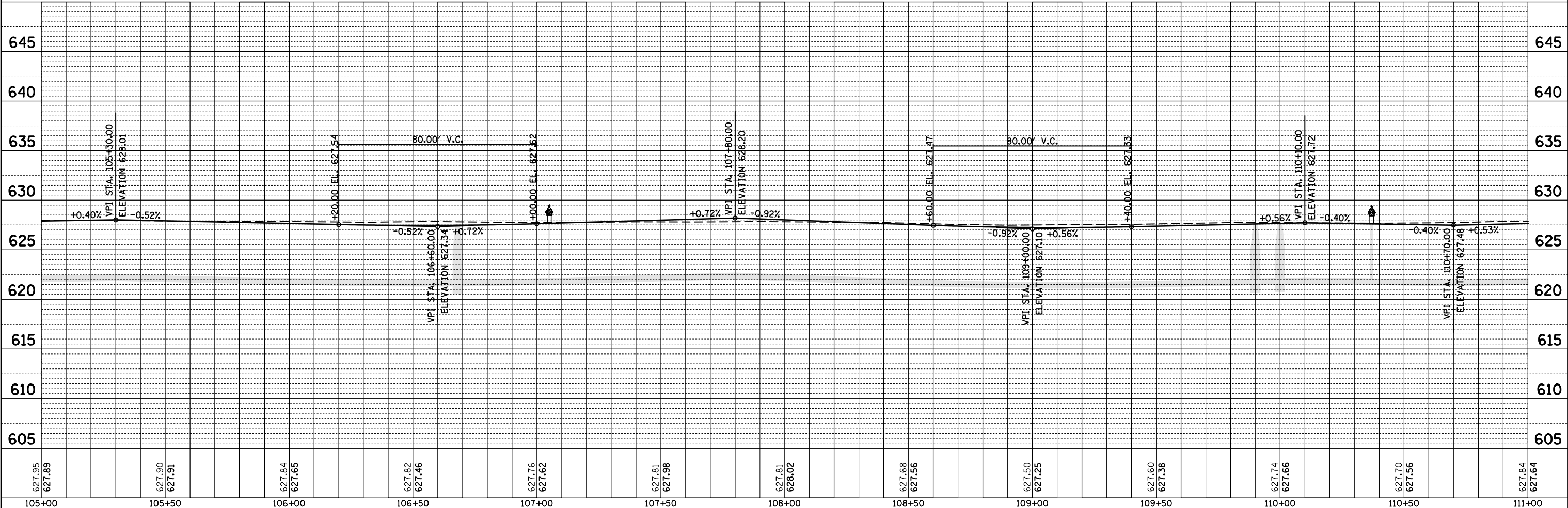
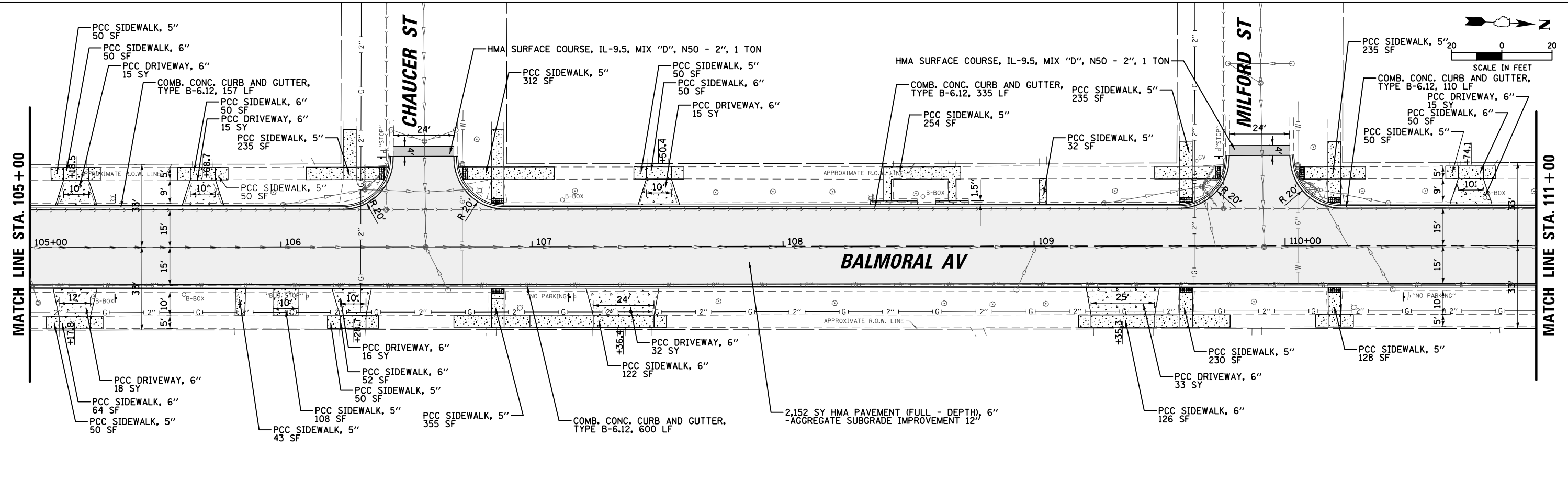
SCALE: 1:40 SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	16
CONTRACT NO.			61J83	
ILLINOIS FED. AID PROJECT				



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

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



FILE NAME =	USER NAME = jjezierny	DESIGNED -	REVISED -
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Default	PLOT SCALE = 48"	CHECKED -	REVISED -
	PLOT DATE = 9/1/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

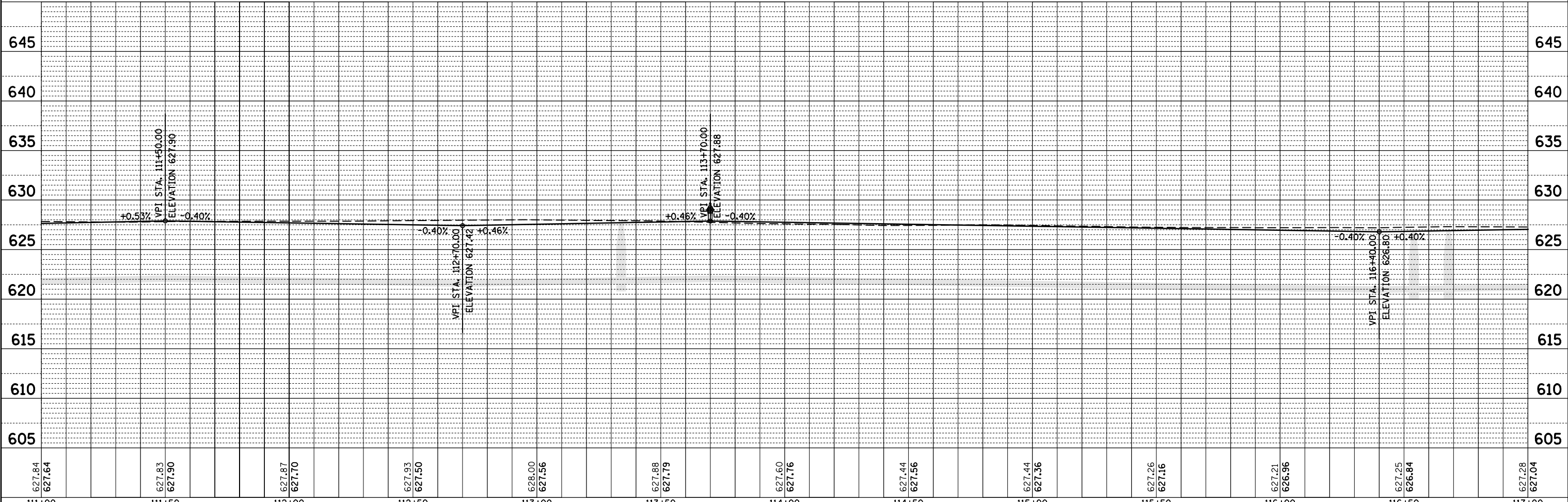
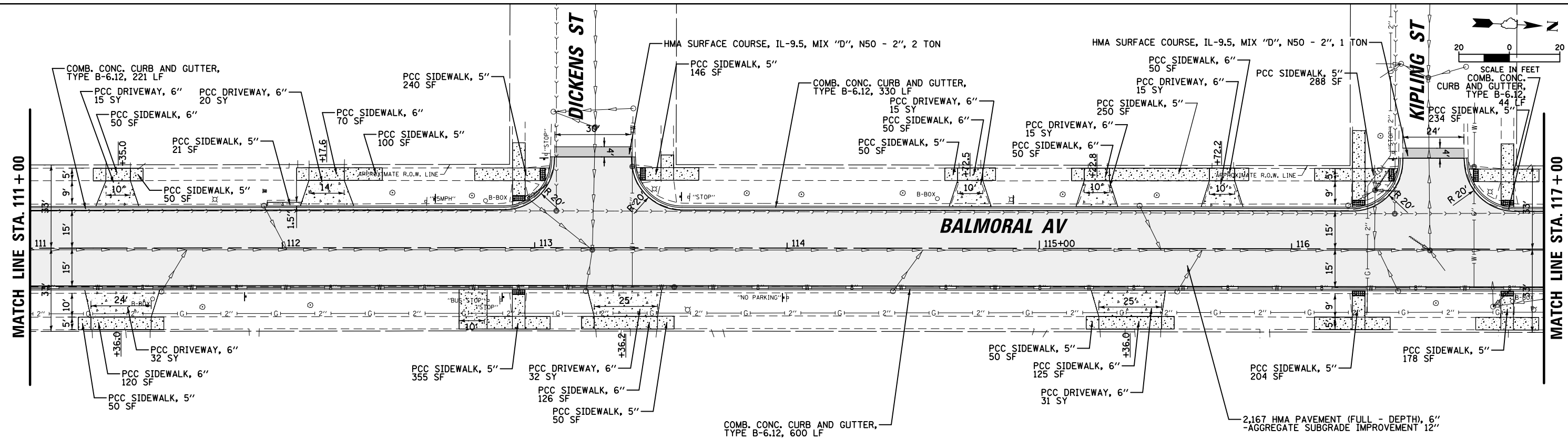
**BALMORAL AVENUE RECONSTRUCTION  
PROPOSED ROADWAY PLANS AND PROFILES**

SCALE: 1:40    SHEET 2 OF 5 SHEETS    STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	17
CONTRACT NO.			61J83	
ILLINOIS FED. AID PROJECT				

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

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



627.84 627.64	627.83 627.90	627.87 627.70	627.93 627.50	628.00 627.56	627.88 627.79	627.60 627.76	627.44 627.56	627.44 627.36	627.26 627.16	627.21 626.96	627.25 626.84	627.28 627.04
111+00	111+50	112+00	112+50	113+00	113+50	114+00	114+50	115+00	115+50	116+00	116+50	117+00

FILE NAME = N:\WESTCHESTER\120326\120326.00026A\Civil1

USER NAME = jjezierny  
 RPP.120326-26A\_3.sht  
 PLOT SCALE = 48"  
 PLOT DATE = 9/1/2023

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

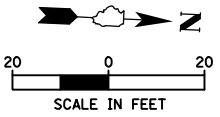
REVISED -  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BALMORAL AVENUE RECONSTRUCTION  
 PROPOSED ROADWAY PLANS AND PROFILES**

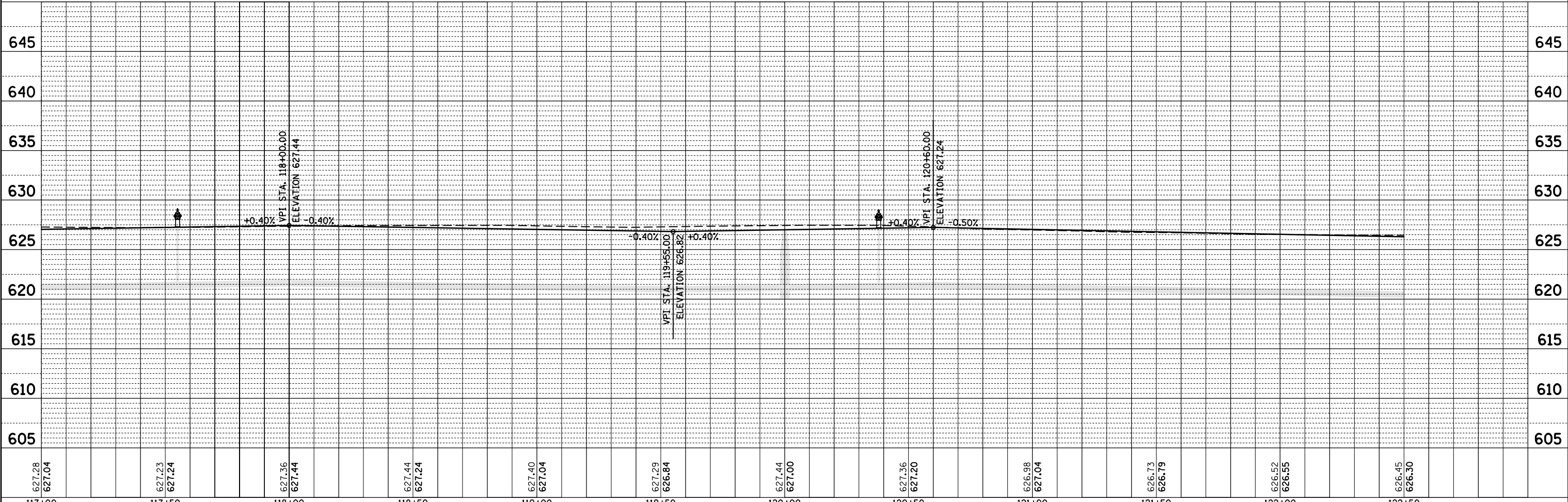
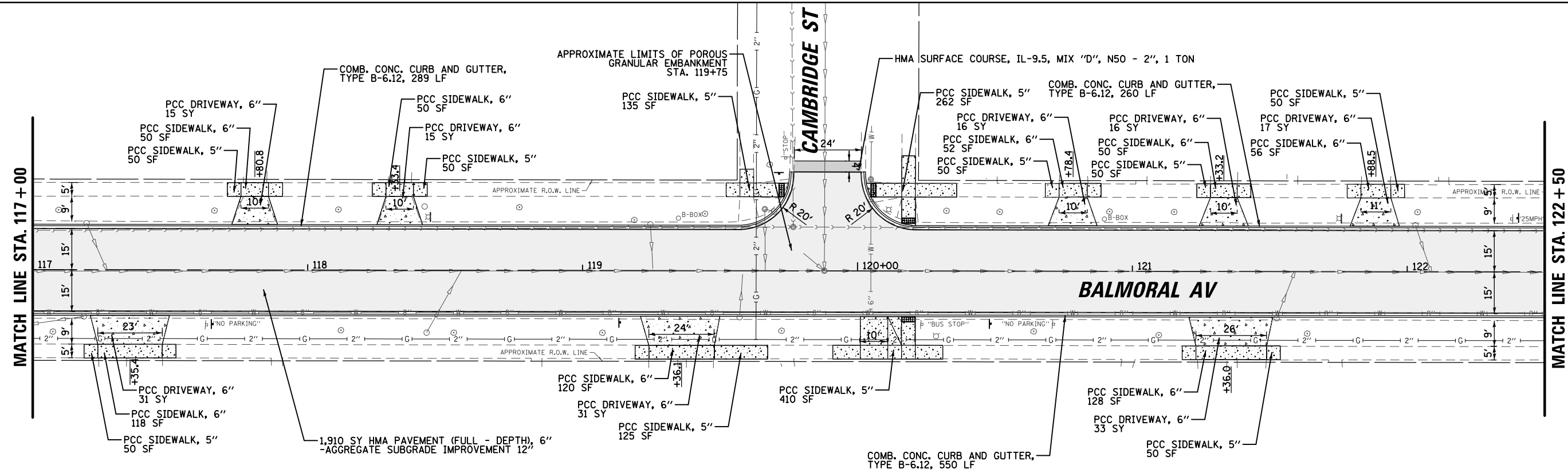
SCALE: 1:40 SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	18
CONTRACT NO.			61J83	
ILLINOIS FED. AID PROJECT				



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

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



627.28 627.04	627.23 627.24	627.36 627.44	627.44 627.24	627.40 627.04	627.29 626.84	627.44 627.00	627.36 627.20	626.98 627.04	626.73 626.79	626.52 626.55	626.45 626.30
117+00	117+50	118+00	118+50	119+00	119+50	120+00	120+50	121+00	121+50	122+00	122+50

FILE NAME = N:\WESTCHESTER\120326\120326.00026A\Civil1

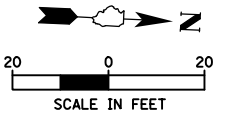
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 PLOT SCALE = 48"  
 PLOT DATE = 9/1/2023

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

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

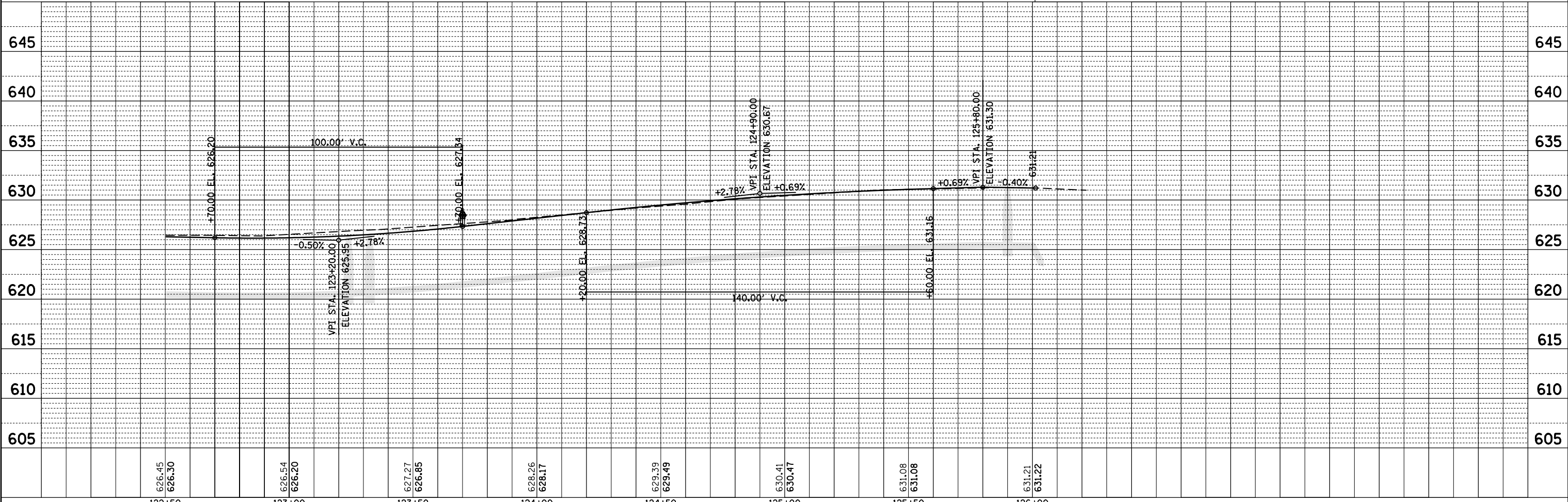
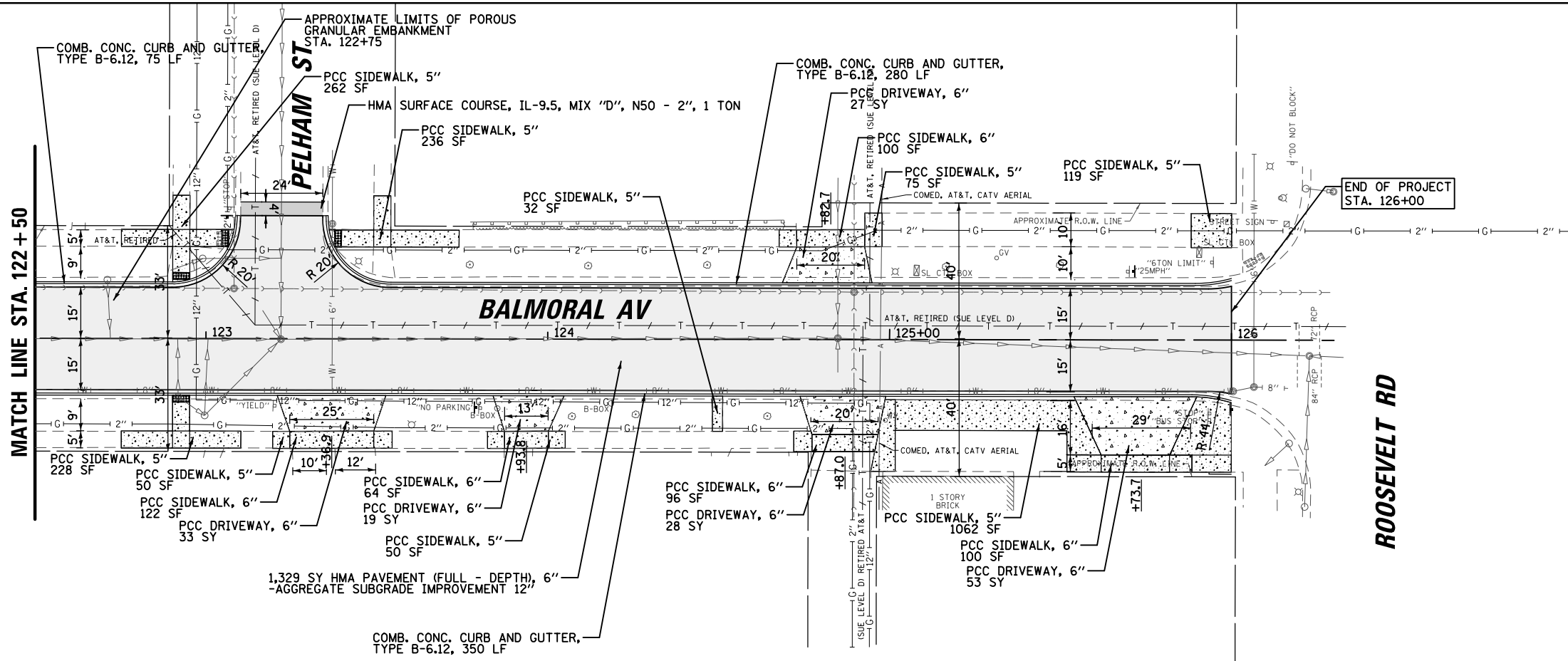
BALMORAL AVENUE RECONSTRUCTION  
 PROPOSED ROADWAY PLANS AND PROFILES  
 SCALE: 1:40 SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	19
CONTRACT NO.			61J83	
ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	DESIGNED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	BY	
	NO.	



FILE NAME =	USER NAME = jjezierny	DESIGNED -	REVISED -
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Default	PLOT SCALE = 48"	CHECKED -	REVISED -
	PLOT DATE = 9/1/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**









**BALMORAL AVENUE RECONSTRUCTION  
PROPOSED ROADWAY PLANS AND PROFILES**

SCALE: 1:40 SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	20
CONTRACT NO.			61J83	
ILLINOIS FED. AID PROJECT				

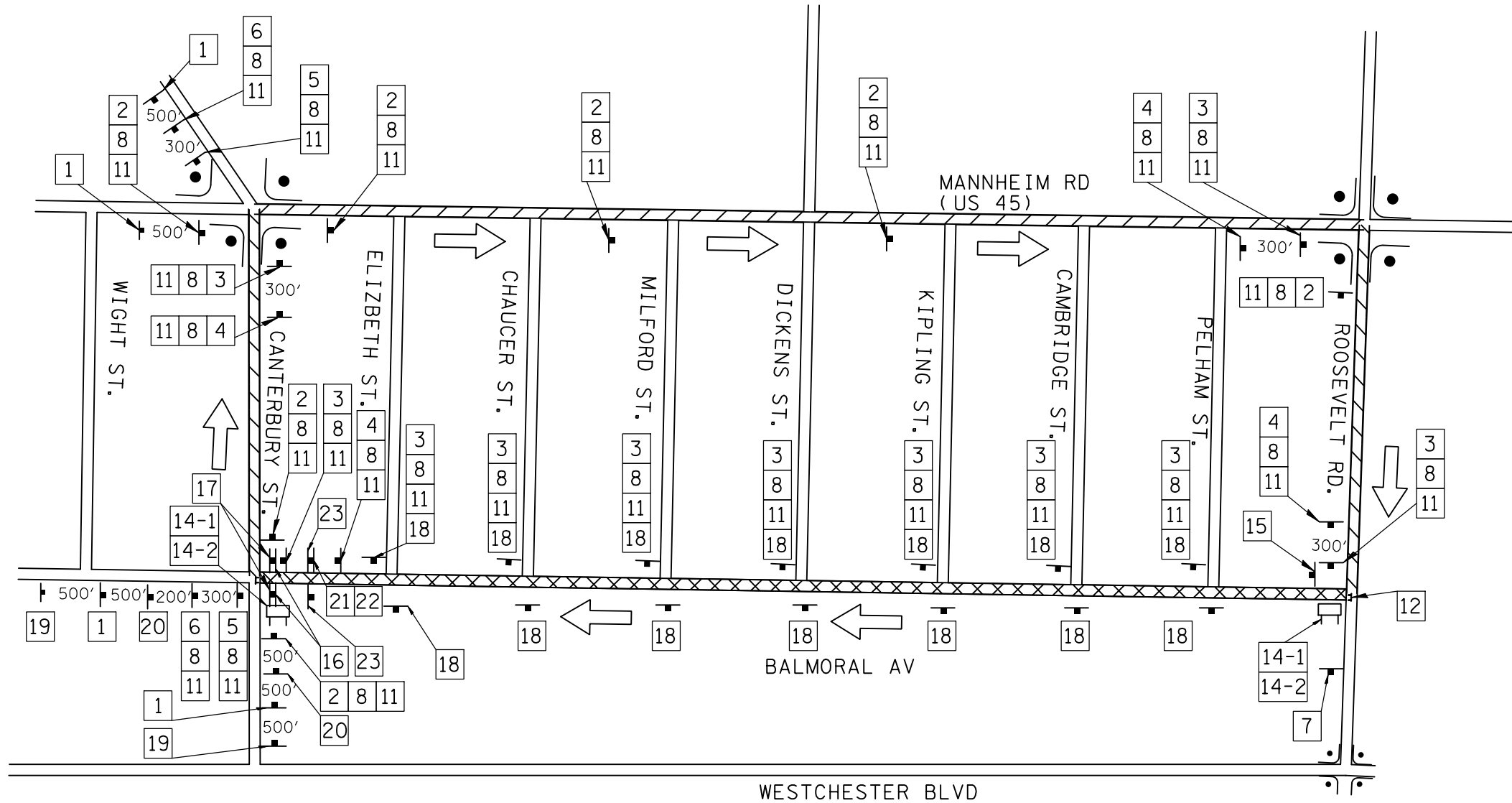


**LEGEND**


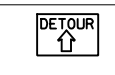
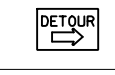

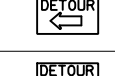
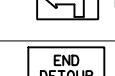
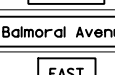


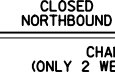
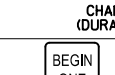
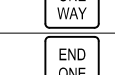


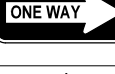


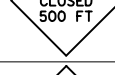



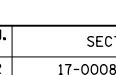
-  SIGNALIZED INTERSECTION
-  48" x 48" CONSTRUCTION WARNING SIGN WITH AMBER FLASHING LIGHT AND ORANGE WARNING FLAG. NUMBER DENOTES TYPE.
-  M4-9 SERIES DETOUR SIGNS WITH ROAD NAME AND CARDINAL DIRECTION PLATE. NUMBER DENOTES TYPE.
-  TYPE III BARRICADE WITH AMBER FLASHING LIGHTS.
-  CHANGEABLE MESSAGE BOARD
-  DETOUR ROUTE
-  DIRECTION OF TRAFFIC IN CONSTRUCTION ZONE (SOUTHBOUND ONLY AT ALL TIMES)
-  WORK ZONE (ONE WAY SOUTHBOUND TRAFFIC)

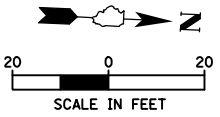
**MAINTENANCE OF TRAFFIC GENERAL NOTES**

1. DRUM MINIMUM SPACING: 25' C-C TANGENT SECTION, 20' C-C TAPERS, 10' C-C AROUND RADII/CURVES.
2. ALL SIGNAGE TO BE IN ACCORDANCE WITH MUTCD. SUGGESTED MAINTENANCE OF TRAFFIC SHOWN IS MINIMUM REQUIRED. LOCAL DETOURS AND SIGNS REQUIRED FOR SAFETY ARE NOT SHOWN HERE. CONTRACTOR SHALL PROVIDE ADDITIONAL TRAFFIC CONTROL MEASURES AS DIRECTED BY RESIDENT ENGINEER. THIS WORK WILL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION. (SPECIAL).
3. DETOUR OF NORTHBOUND TRAFFIC WILL REMAIN THROUGH THE COMPLETION OF BALMORAL AVENUE. NORTHBOUND LOCAL TRAFFIC MUST BE ROUTED AROUND THE CONSTRUCTION ZONE PER THE DETOUR ROUTE. THE CONTRACTOR IS REQUIRED TO NOTIFY AND DIRECT RESIDENTS AND NECESSARY TRAFFIC (GARBAGE, EMERGENCY, AND SCHOOL BUSES) THROUGH OR AROUND THE WORK ZONE ON A DAILY BASIS. ONE THRU LANE SHALL BE MAINTAINED BY THE CLOSE OF EACH WORK DAY AND OVERNIGHT PER THE MAINTENANCE OF TRAFFIC PLAN.
4. ADVANCED WARNING CHANGEABLE MESSAGE BOARDS SHALL BE POSTED AT BOTH ENDS OF THE ROADWAY 2 WEEKS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION WITHIN THE VILLAGE'S RIGHT-OF-WAY NOTIFYING THE MOTORING PUBLIC OF THE UPCOMING WORK (ROAD CONSTRUCTION BEGINNING EXPECT DELAYS, SEEK ALTERNATE ROUTES, ROAD CLOSED TO ALL NORTHBOUND TRAFFIC, ETC.). THE LANGUAGE MUST BE PROVIDED TO THE VILLAGE FOR REVIEW/APPROVAL PRIOR TO THEIR ACTIVATION. THE MESSAGE BOARD LOCATION SHALL BE REVIEWED AND APPROVED BY THE VILLAGE PRIOR TO PLACEMENT. THIS SHALL BE PAID FOR AS CHANGEABLE MESSAGE SIGN.
5. TWO WEEKS ADVANCE NOTIFICATION TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND HIGHWAYS IS REQUIRED PRIOR TO THE OPERATION OF THE DETOUR ROUTE.
6. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
7. CONTRACTOR IS TO MAINTAIN FULL ACCESS TO AT LEAST ONE SIDE OF THE SIDEWALK (SHARED-USE PATH) AT ALL TIMES. CROSSWALKS ARE TO BE MAINTAINED THROUGH THE USE OF EXISTING OR TEMPORARY PAVEMENT MARKINGS AND TEMPORARY SIDEWALK, AS REQUIRED.
8. THE FOLLOWING INTERSECTIONS ARE SIGNALIZED:  
 \*ROOSEVELT ROAD AND WESTCHESTER BOULEVARD  
 \*ROOSEVELT ROAD AND MANNHEIM ROAD  
 \*MANNHEIM ROAD AND CANTERBURY STREET
9. THE PAY ITEM "TEMPORARY TRAFFIC SIGNAL TIMING" HAS BEEN ADDED TO THE CONTRACT. THIS PAY ITEM SHALL BE UTILIZED FOR THE INTERSECTIONS OF MANNHEIM RD AT CANTERBURY ST AND MANNHEIM RD AT ROOSEVELT RD WHILE THE DETOUR IS IN EFFECT.
10. PACE SHALL BE CONTACTED A MINIMUM OF 2 WEEKS BEFORE CONSTRUCTION BEGINS



**SCHEDULE OF SIGNS**

SIGN NO.	SIGN TYPE
1	 W20-2(O)-4848
2	 M4-9S 3024
3	 M4-9R-3024
4	 M4-9RX 3024
5	 M4-9L-3024
6	 M4-9LX 3024
7	 M4-8a (O) 2418
8	 SPECIAL NO. 1 4830
9	 M3-2 (O) 2412
10	 M3-4 (O) 2412
11	 M3-3 (O) 2412
12	 R-11-3A-6030
13	 SPECIAL NO. 2 6030
14-1	CHANGEABLE MESSAGE SIGN (ONLY 2 WEEKS PRIOR TO CONSTRUCTION)
14-2	CHANGEABLE MESSAGE SIGN (DURATION OF CONSTRUCTION)
15	 R6-6 2430
16	 R6-7 2430
17	 R5-1 3636
18	 R6-1L 5418
19	 W20-3(O)-4848
20	 W20-3(O)-4848
21	 W6-3-3636
22	 W16-9P-2412
23	 5R-1A-3624



PROJECT BEGINS  
STA. 100+01.50

CANTERBURY ST

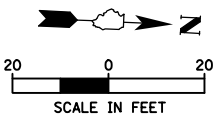
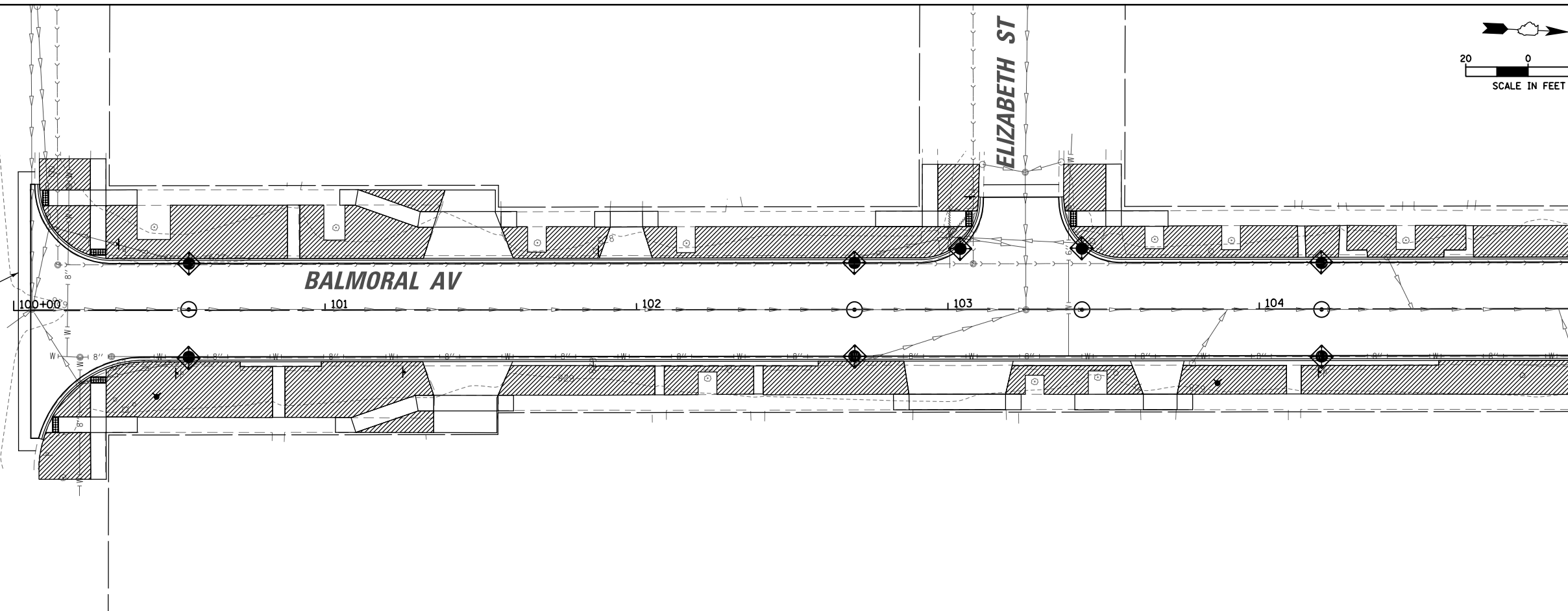
**BALMORAL AV**

ELIZABETH ST

MATCH LINE STA. 105+00

**EROSION CONTROL LEGEND**

- INLET FILTER
- TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 1A FERTILIZER NUTRIENTS
- TREE TRUNK PROTECTION



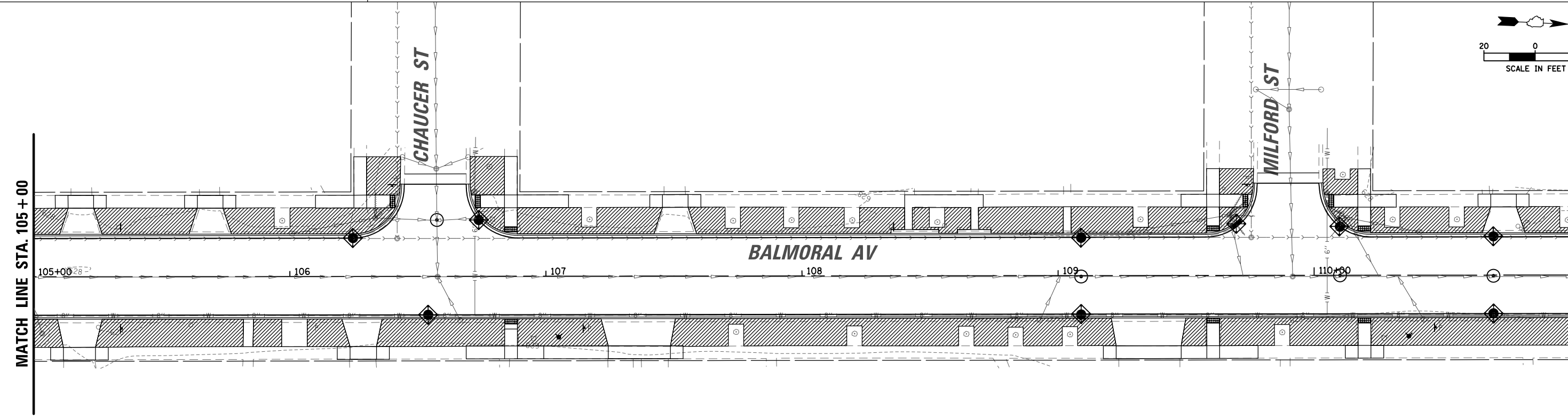
MATCH LINE STA. 105+00

CHAUCER ST

**BALMORAL AV**

MILFORD ST

MATCH LINE STA. 111+00



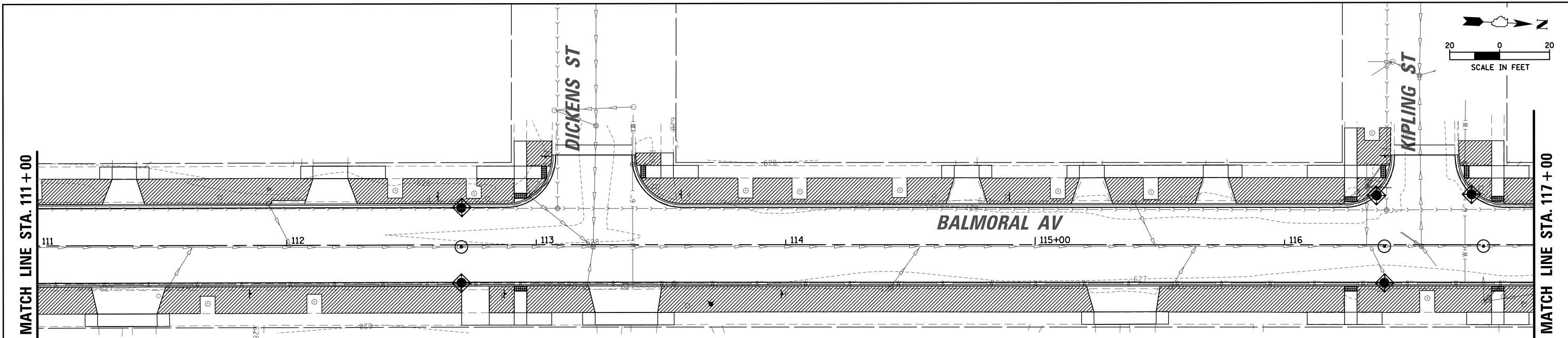
FILE NAME =	USER NAME = jjezerny	DESIGNED -	REVISED -
N:\WESTCHESTER\120326\120326.00026A\C1.v	NERO_120326-26A.L.sht	DRAWN -	REVISED -
Default	PLOT SCALE = 48"	CHECKED -	REVISED -
	PLOT DATE = 9/1/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BALMORAL AVENUE RECONSTRUCTION  
PROPOSED LANDSCAPING, EROSION AND SEDIMENT CONTROL PLANS**

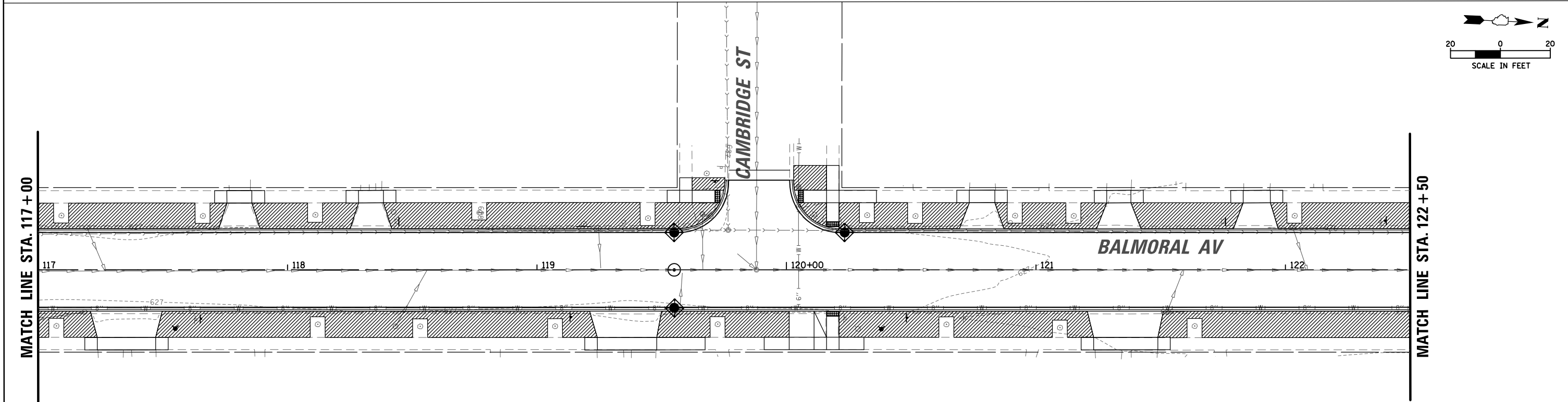
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	22
CONTRACT NO.			61J83	
ILLINOIS FED. AID PROJECT				

SCALE: 1:40 SHEET OF SHEETS STA. TO STA.

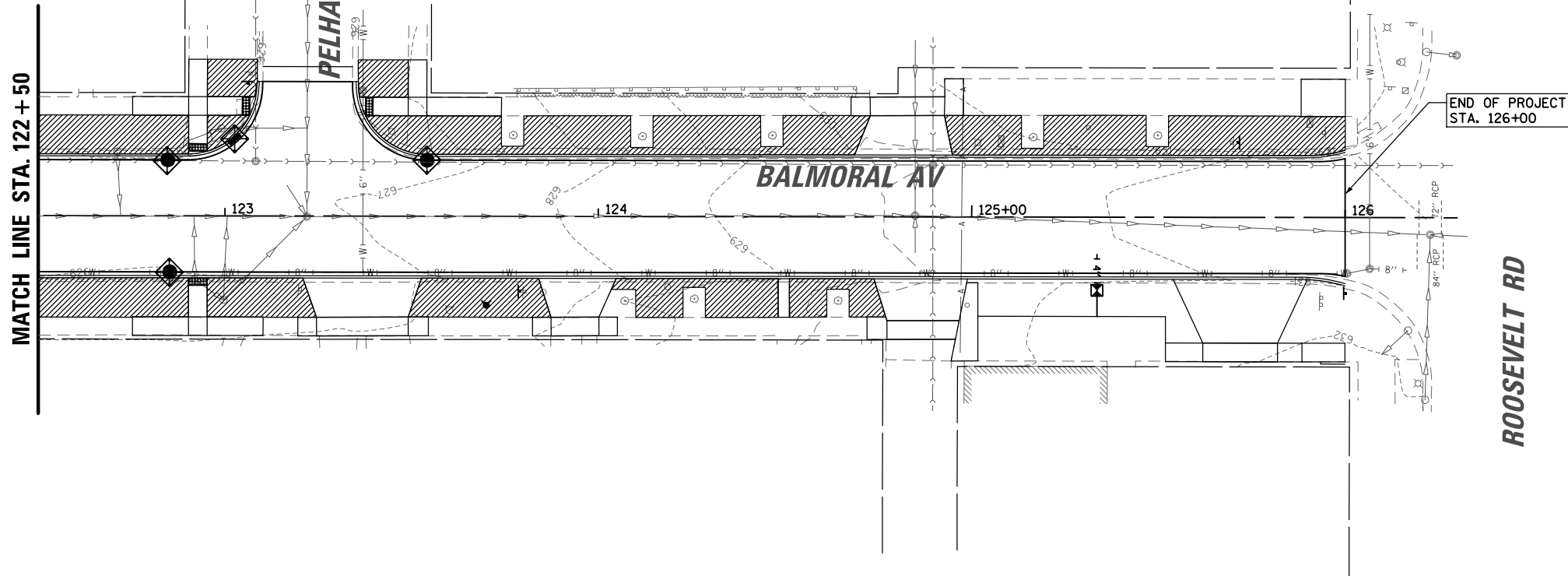
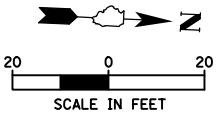


**EROSION CONTROL LEGEND**

	INLET FILTER
	TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 1A FERTILIZER NUTRIENTS
	TREE TRUNK PROTECTION



FILE NAME =	USER NAME = jjezierny	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BALMORAL AVENUE RECONSTRUCTION PROPOSED LANDSCAPING, EROSION AND SEDIMENT CONTROL PLANS</b>				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
N:\WESTCHESTER\120326\120326.00026A\Civ	1\ERO_120326-26A_2.sht	DRAWN -	REVISED -		SCALE: 1:40.094	SHEET	OF	SHEETS	STA.	TO STA.	2712	17-00084-00-PV	COOK	89	23
Default	PLOT SCALE = 40'	CHECKED -	REVISED -		CONTRACT NO. 61J83										
	PLOT DATE = 9/1/2023	DATE -	REVISED -		ILLINOIS FED. AID PROJECT										



EROSION CONTROL LEGEND	
	INLET FILTER
	TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 1A FERTILIZER NUTRIENTS
	TREE TRUNK PROTECTION

FILE NAME =	USER NAME = jjezierny	DESIGNED -	REVISED -
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	PLOT DATE = 9/1/2023	DATE -	REVISED -

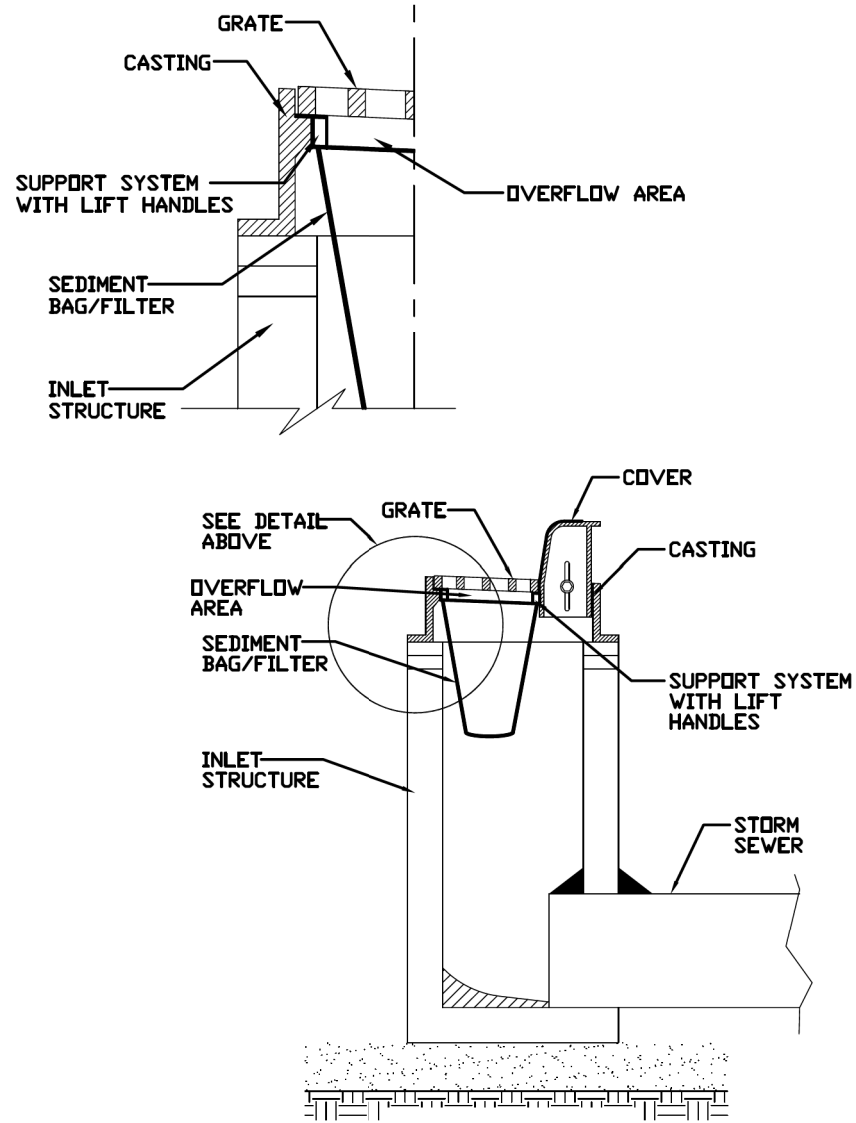
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BALMORAL AVENUE RECONSTRUCTION  
PROPOSED LANDSCAPING, EROSION AND SEDIMENT CONTROL PLANS**

SCALE: 1:40 SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	24
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61J83	

## INLET PROTECTION - PAVED AREAS DROP-IN PROTECTION

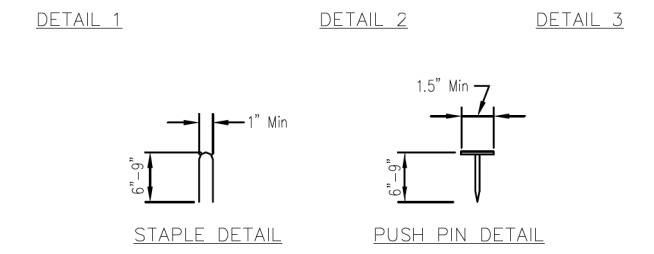
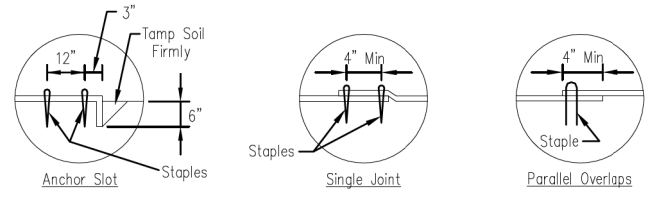
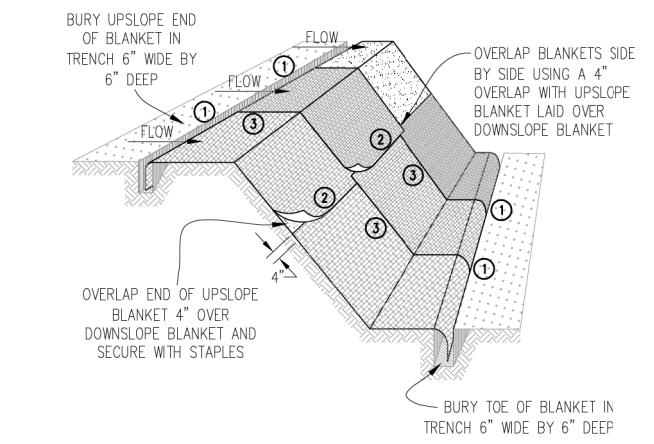


REFERENCE	Project _____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____



STANDARD DWG. NO.	IUM-561D
SHEET	1 OF 1
DATE	01-11-11

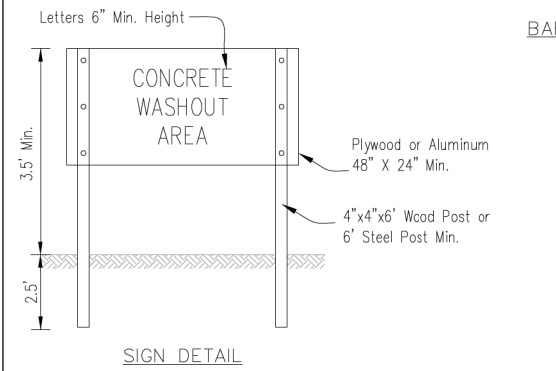
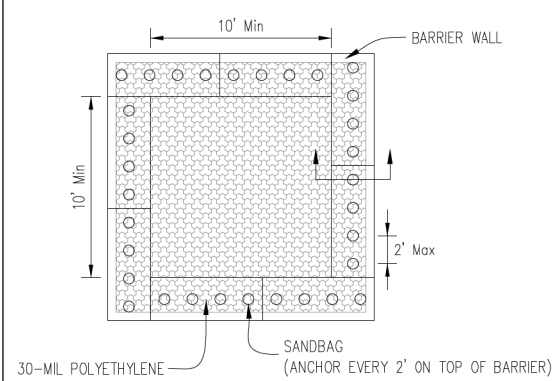
**INLET FILTERS**



- NOTES:**
1. Staples shall be placed in a diamond pattern at 2 per s.y. for stitched blankets. Non-stitched shall use 4 staples per s.y. of material. This equates to 200 staples with stitched blanket and 400 staples with non-stitched blanket per 100 s.y. of material.
  2. Staple or push pin lengths shall be selected based on soil type and conditions. (minimum staple length is 6")
  3. Erosion control material shall be placed in contact with the soil over a prepared seedbed.
  4. All anchor slots shall be stapled at approximately 12" intervals.

DESIGNED	_____
DRAWN	_____
CHECKED	_____
APPROVED	_____

EROSION CONTROL BLANKET INSTALLATION DETAILS	
Designed	_____ Date _____
Drawn	B. JOHNSON 11/08
Checked	_____
Approved	_____



- NOTES:**
1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete and/or slurry and returning the facilities to a functional condition.
  2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

DESIGNED	_____
DRAWN	_____
CHECKED	_____
APPROVED	_____

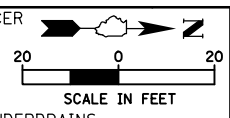
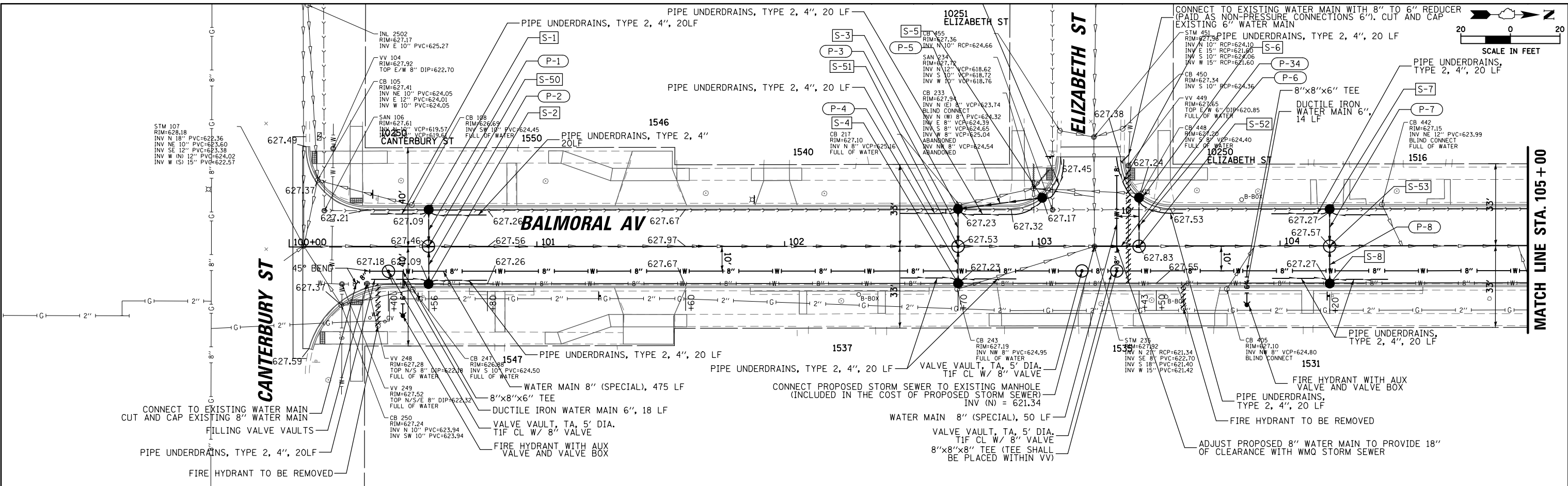
TEMPORARY CONCRETE WASHOUT FACILITY - BARRIER WALL	
Designed	_____ Date _____
Drawn	B. JOHNSON 6/08
Checked	_____
Approved	_____

**WASHOUT BASIN**



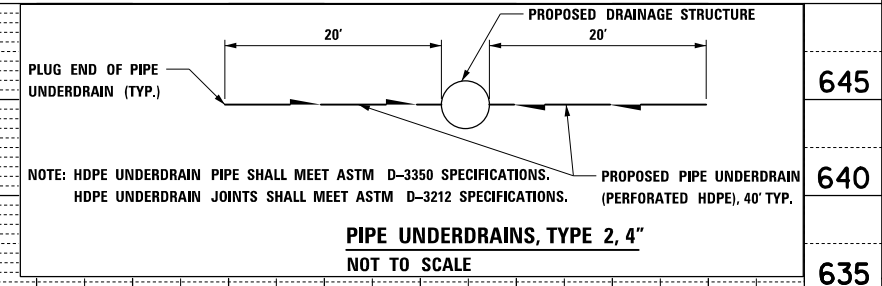
DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	ALIGNED
	CHECKED
	FILED
	NO.
	NO.

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

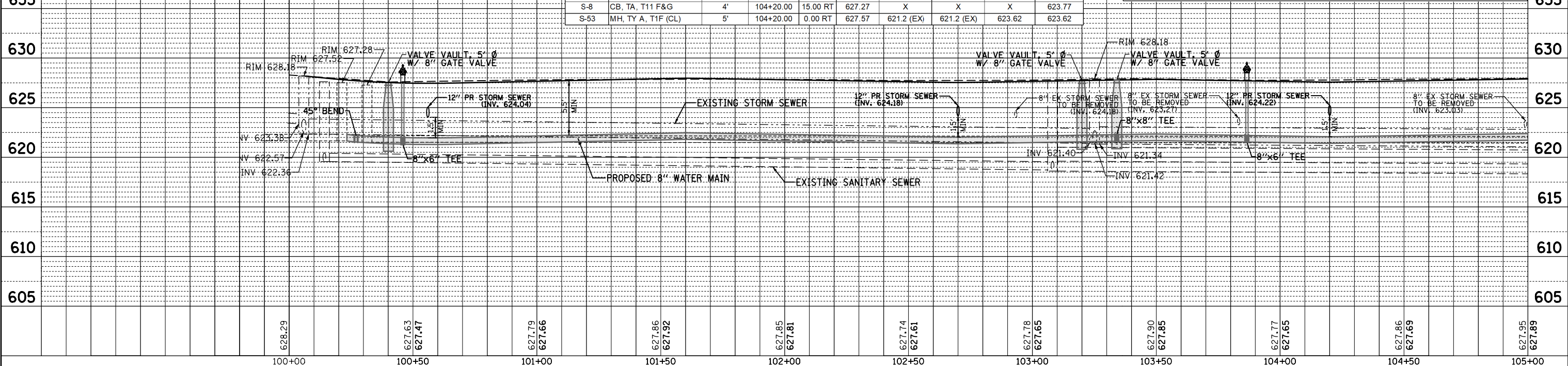


STORM SEWER TABLE BALMORAL AV STA. 100+07 TO STA. 105+00										
PIPE NO.	FROM STR.	TO STR.	MATERIAL	TYPE	LENGTH	DIA	UPPER INV.	LOWER INV.	SLOPE %	TRENCH B.F.
P-1	S-1	S-50	RCCP-RG	1	15	12	623.59	623.44	1.00%	4.0
P-2	S-2	S-50	WMQ	1	15	12	623.59	623.44	1.00%	4.0
P-3	S-3	S-51	RCCP-RG	1	15	12	623.73	623.58	1.00%	3.9
P-4	S-4	S-51	WMQ	1	15	12	623.73	623.58	1.00%	3.9
P-5	S-5	S-3	RCCP-RG	1	35	12	623.67	623.32	1.00%	9.0
P-6	S-6	S-52	RCCP-RG	1	20	12	623.74	623.54	1.00%	5.6
P-7	S-7	S-53	RCCP-RG	1	15	12	623.77	623.62	1.00%	3.9
P-8	S-8	S-53	WMQ	1	15	12	623.77	623.62	1.00%	3.9
P-34	EXMH	S-52	WMQ	2	18	21	621.34 (EX)*	621.30	0.22%	16.7

STORM SEWER TABLE BALMORAL AV STA. 100+07 TO STA. 105+00									
STR NO	STRUCTURE TYPE	SIZE	STATION	OFFSET	RIM ELEV.	INV. NORTH	INV. SOUTH	INV. EAST	INV. WEST
S-1	CB, TA, T11 F&G	4'	100+56.00	15.00 LT	627.09	X	X	623.59	X
S-2	CB, TA, T11 F&G	4'	100+56.00	15.00 RT	627.09	X	X	X	623.59
S-50	MH, TY A, T1F (CL)	5'	100+56.00	0.00 RT	627.46	622.2 (EX)	622.2 (EX)	623.44	623.44
S-3	CB, TA, T11 F&G	4'	102+70.00	15.00 LT	627.23	623.32	X	623.73	X
S-4	CB, TA, T11 F&G	4'	102+70.00	15.00 RT	627.23	X	X	X	623.73
S-51	MH, TY A, T1F (CL)	5'	102+70.00	0.00 RT	627.53	621.6 (EX)	621.6 (EX)	623.58	623.58
S-5	CB, TA, T11 F&G	4'	103+04.00	20.00 LT	627.17	X	623.67	X	X
S-6	CB, TA, T11 F&G	4'	103+43.00	20.00 LT	627.24	X	623.74	X	X
S-52	MH, TY A, T1F (CL)	5'	103+43.00	20.00 LT	627.83	621.3 (EX)	621.3 (EX)	X	623.54
S-7	CB, TA, T11 F&G	4'	104+20.00	15.00 LT	627.27	X	X	623.77	X
S-8	CB, TA, T11 F&G	4'	104+20.00	15.00 RT	627.27	X	X	X	623.77
S-53	MH, TY A, T1F (CL)	5'	104+20.00	0.00 RT	627.57	621.2 (EX)	621.2 (EX)	623.62	623.62



NOTE: HDPE UNDERDRAIN PIPE SHALL MEET ASTM D-3350 SPECIFICATIONS. HDPE UNDERDRAIN JOINTS SHALL MEET ASTM D-3212 SPECIFICATIONS.



FILE NAME =	USER NAME = jjezierny	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		BALMORAL AVENUE RECONSTRUCTION DRAINAGE AND UTILITY PLAN AND PROFILES		F.A.U. R.T.E. = 2712	SECTION = 17-00084-00-PV	COUNTY = COOK	TOTAL SHEETS = 89	SHEET NO. = 26
Default	UPP.J120326-26A.L.sht	DRAWN -	REVISED -	SCALE: 1:40		SHEET 1 OF 5 SHEETS STA. TO STA.		CONTRACT NO. 61J83		ILLINOIS FED. AID PROJECT		







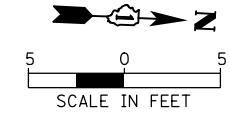
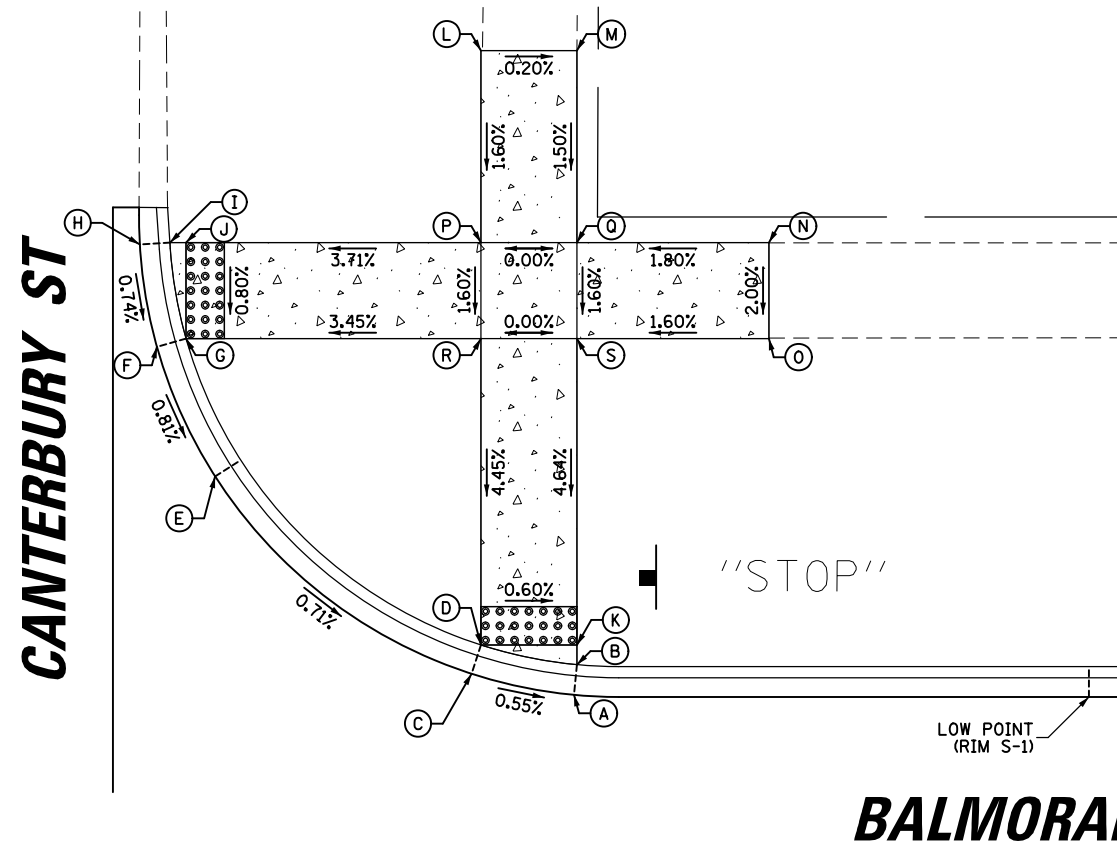






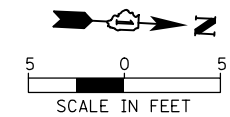
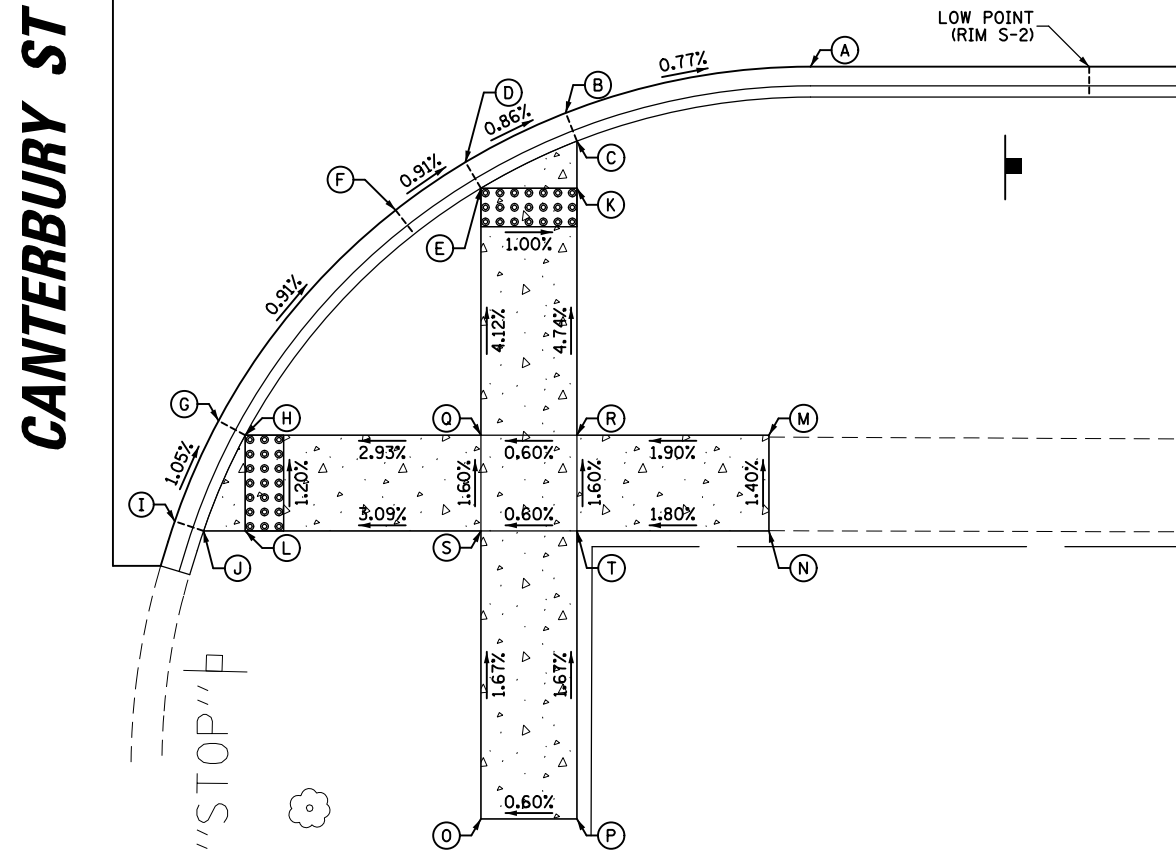
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
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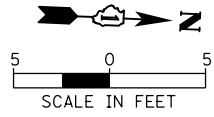
CANTERBURY W			
POINT	STA	OFFSET	ELEV
A	100+29.53	15.11' LT	627.22
B	100+29.68	16.68' LT	627.22
C	100+24.19	16.20' LT	627.25
D	100+24.68	17.71' LT	627.25
E	100+10.83	26.48' LT	627.37
F	100+07.79	33.24' LT	627.43
G	100+09.31	33.67' LT	627.43
H	100+06.90	38.58' LT	627.47
I	100+08.47	38.67' LT	627.47
J	100+09.31	38.67' LT	627.47
K	100+29.68	17.71' LT	627.22
L	100+24.68	48.67' LT	628.20
M	100+29.68	48.67' LT	628.19
N	100+39.68	38.67' LT	628.22
O	100+39.68	33.67' LT	628.12
P	100+24.68	38.67' LT	628.04
Q	100+29.68	38.67' LT	628.04
R	100+24.68	33.67' LT	627.96
S	100+29.68	33.67' LT	627.96



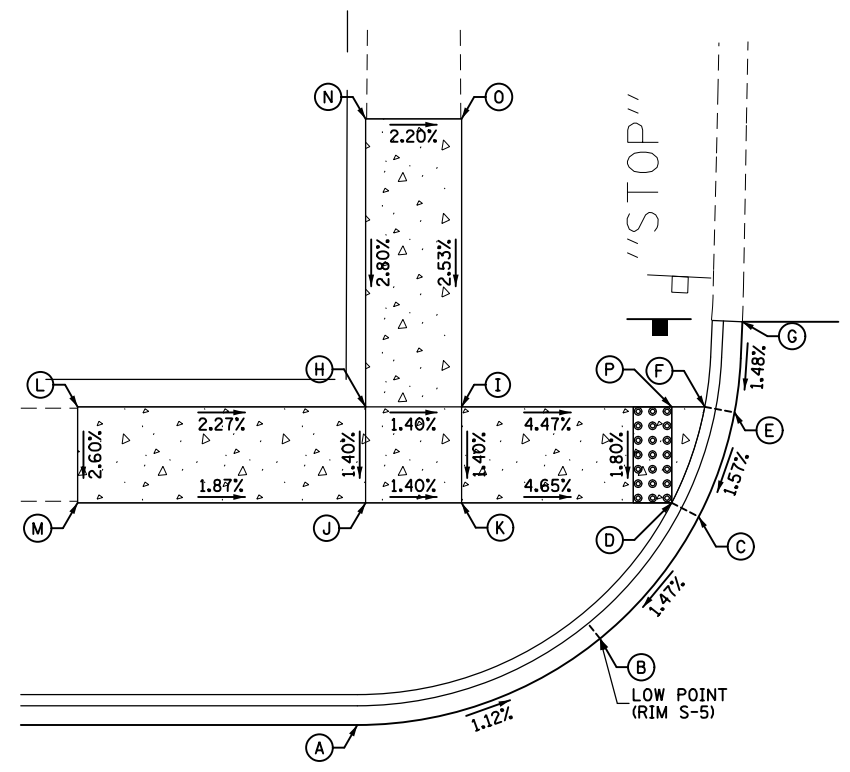
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO.		

CANTERBURY E			
POINT	STA	OFFSET	ELEV
A	100+41.84	15.00' RT	627.18
B	100+29.10	17.40' RT	627.28
C	100+29.68	18.88' RT	627.28
D	100+23.86	19.97' RT	627.33
E	100+24.68	21.33' RT	627.33
F	100+20.23	22.47' RT	627.37
G	100+11.01	33.45' RT	627.50
H	100+12.40	34.19' RT	627.50
I	100+08.72	38.68' RT	627.56
J	100+10.22	39.19' RT	627.56
K	100+29.68	21.33' RT	627.28
L	100+12.40	39.19' RT	627.56
M	100+39.68	34.19' RT	628.08
N	100+39.68	39.19' RT	628.15
O	100+24.68	54.19' RT	628.19
P	100+29.68	54.19' RT	628.22
Q	100+24.68	34.19' RT	627.86
R	100+29.68	34.19' RT	627.89
S	100+24.68	39.19' RT	627.94
T	100+29.68	39.19' RT	627.97



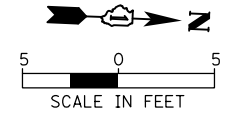


ELIZABETH S			
POINT	STA	OFFSET	ELEV
A	102+91.39	15.00' LT	627.32
B	103+04.03	19.50' LT	627.17
C	103+09.18	25.85' LT	627.29
D	103+07.77	26.57' LT	627.29
E	103+11.04	31.28' LT	627.38
F	103+09.49	31.57' LT	627.38
G	103+11.45	36.00' LT	627.45
H	102+91.81	31.57' LT	627.94
I	102+96.81	31.57' LT	627.87
J	102+91.81	26.57' LT	627.87
K	102+96.81	26.57' LT	627.80
L	102+76.81	31.57' LT	628.28
M	102+76.81	26.57' LT	628.15
N	102+91.81	46.57' LT	628.36
O	102+96.81	46.57' LT	628.25
P	103+07.77	31.57' LT	627.38

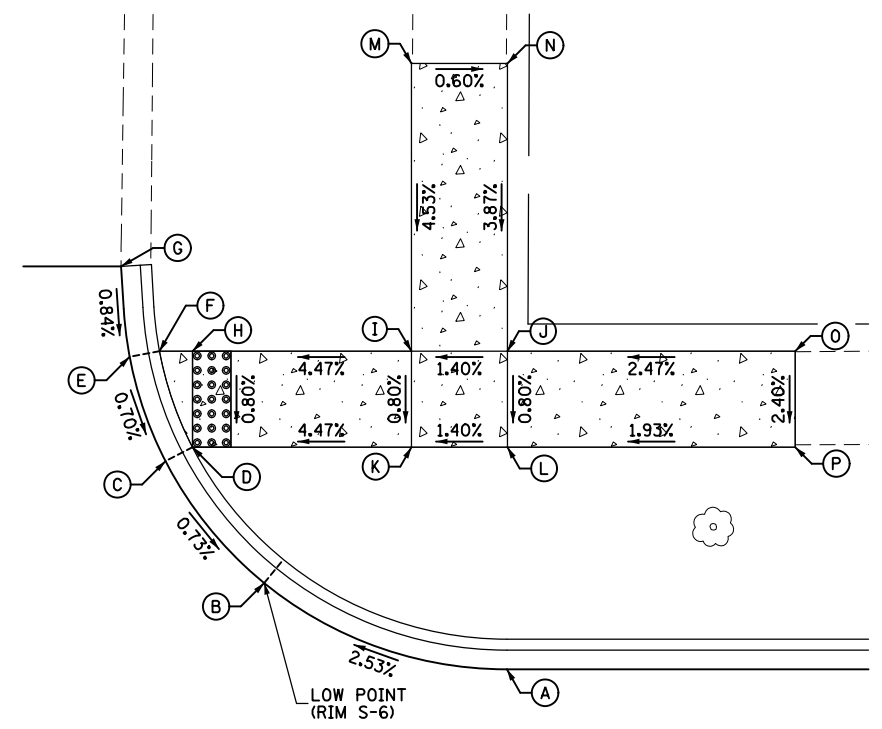


**BALMORAL AV**

**ELIZABETH ST**



ELIZABETH N			
POINT	STA	OFFSET	ELEV
A	103+55.70	15.00' LT	627.53
B	103+43.06	19.50' LT	627.24
C	103+37.91	25.85' LT	627.30
D	103+39.32	26.57' LT	627.30
E	103+36.05	31.28' LT	627.34
F	103+37.60	31.57' LT	627.34
G	103+35.60	36.00' LT	627.38
H	103+39.32	31.57' LT	627.34
I	103+50.73	31.57' LT	627.85
J	103+55.73	31.57' LT	627.92
K	103+50.73	26.57' LT	627.81
L	103+55.73	26.57' LT	627.88
M	103+50.73	46.57' LT	628.53
N	103+55.73	46.57' LT	628.50
O	103+70.73	31.57' LT	628.29
P	103+70.73	26.57' LT	628.22
Q	103+75.73	31.57' LT	628.27
R	103+75.73	26.57' LT	628.16



**BALMORAL AV**

**ELIZABETH ST**

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

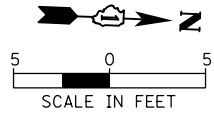
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	PLOTTED	
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	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	

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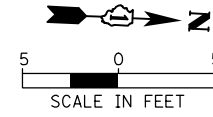
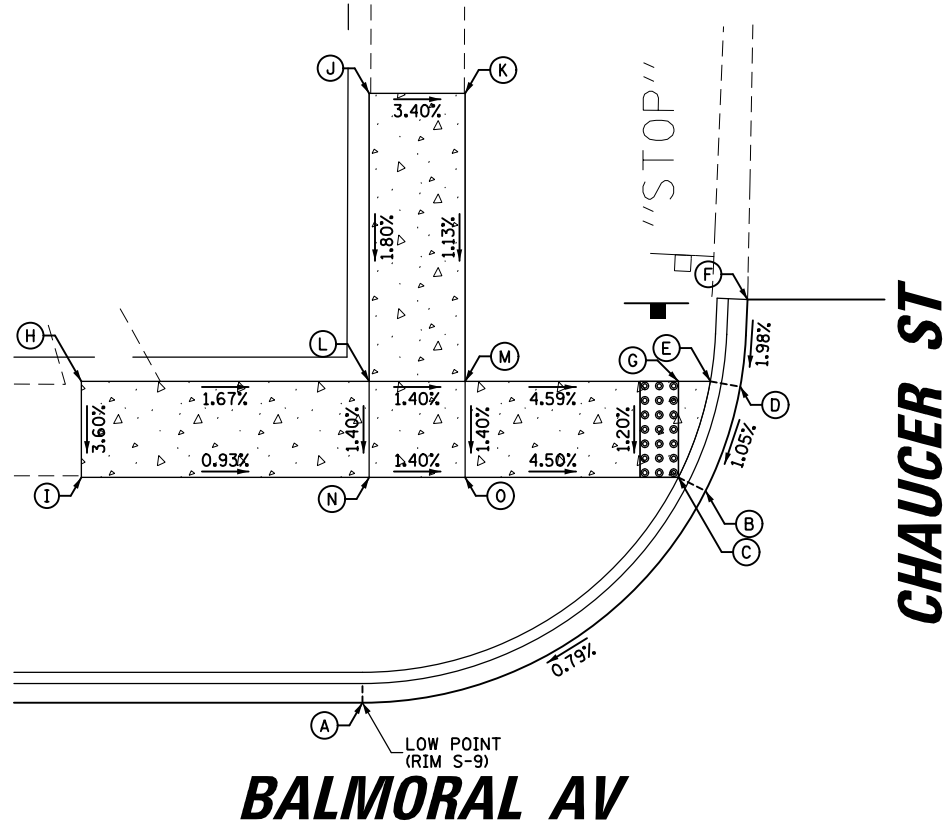
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BALMORAL AVENUE RECONSTRUCTION SIDEWALK RAMP DETAILS</b>			
SCALE: 1:10	SHEET OF SHEETS	STA. TO STA.	

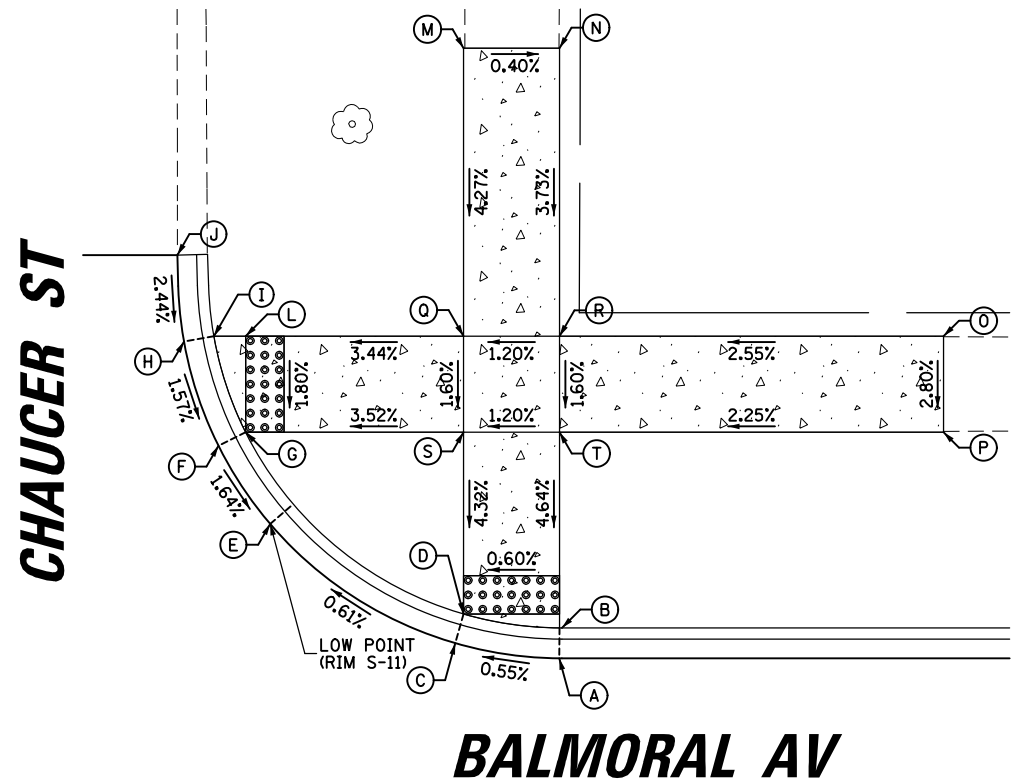
F.A.U. RTE. 2712	SECTION 17-00084-00-PV	COUNTY COOK	TOTAL SHEETS 89	SHEET NO. 32
CONTRACT NO. 61J83			ILLINOIS FED. AID PROJECT	



CHAUCER S			
POINT	STA	OFFSET	ELEV
A	106+24.51	11.93' LT	627.22
B	106+42.56	26.03' LT	627.40
C	106+41.15	26.74' LT	627.40
D	106+44.37	31.46' LT	627.46
E	106+42.81	31.74' LT	627.46
F	106+44.75	36.00' LT	627.55
G	106+41.15	31.74' LT	627.46
H	106+10.04	26.74' LT	628.11
I	106+10.04	31.74' LT	628.29
J	106+25.04	46.74' LT	628.31
K	106+30.04	46.74' LT	628.14
L	106+25.04	31.74' LT	628.04
M	106+30.04	31.74' LT	627.97
N	106+25.04	26.74' LT	627.97
O	106+30.04	26.74' LT	627.90

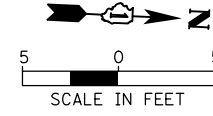


CHAUCER NW			
POINT	STA	OFFSET	ELEV
A	106+88.84	15.00' LT	627.25
B	106+88.85	16.58' LT	627.25
C	106+83.41	15.79' LT	627.22
D	106+83.85	17.30' LT	627.22
E	106+73.78	22.00' LT	627.15
F	106+71.08	26.07' LT	627.23
G	106+72.50	26.78' LT	627.23
H	106+69.29	31.50' LT	627.32
I	106+70.84	31.78' LT	627.32
J	106+68.94	36.00' LT	627.43
K	106+88.85	17.30' LT	627.25
L	106+72.50	31.78' LT	627.32
M	106+83.85	46.78' LT	628.35
N	106+88.85	46.78' LT	628.33
O	107+08.85	31.78' LT	628.28
P	107+08.85	26.78' LT	628.14
Q	106+83.85	31.78' LT	627.71
R	106+88.85	31.78' LT	627.77
S	106+83.85	26.78' LT	627.63
T	106+88.85	26.78' LT	627.69

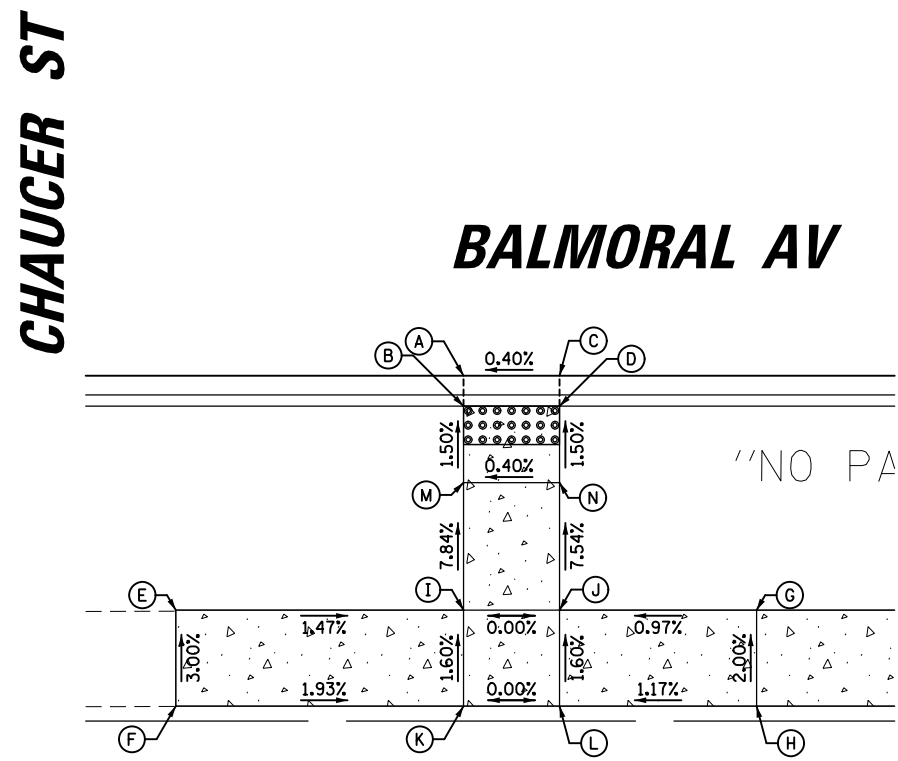


PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

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



CHAUCER NE			
POINT	STA	OFFSET	ELEV
A	106+83.85	15.00' RT	627.23
B	106+83.85	16.58' RT	627.23
C	106+88.85	15.00' RT	627.25
D	106+88.85	16.58' RT	627.25
E	106+68.85	27.21' RT	628.03
F	106+68.85	32.21' RT	628.18
G	106+99.11	27.21' RT	627.91
H	106+99.11	32.21' RT	628.01
I	106+83.85	27.21' RT	627.81
J	106+88.85	27.21' RT	627.81
K	106+83.85	32.21' RT	627.89
L	106+88.85	32.21' RT	627.89
M	106+83.85	20.58' RT	627.29
N	106+88.85	20.58' RT	627.31



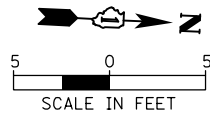
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

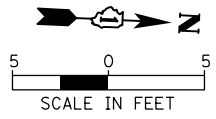
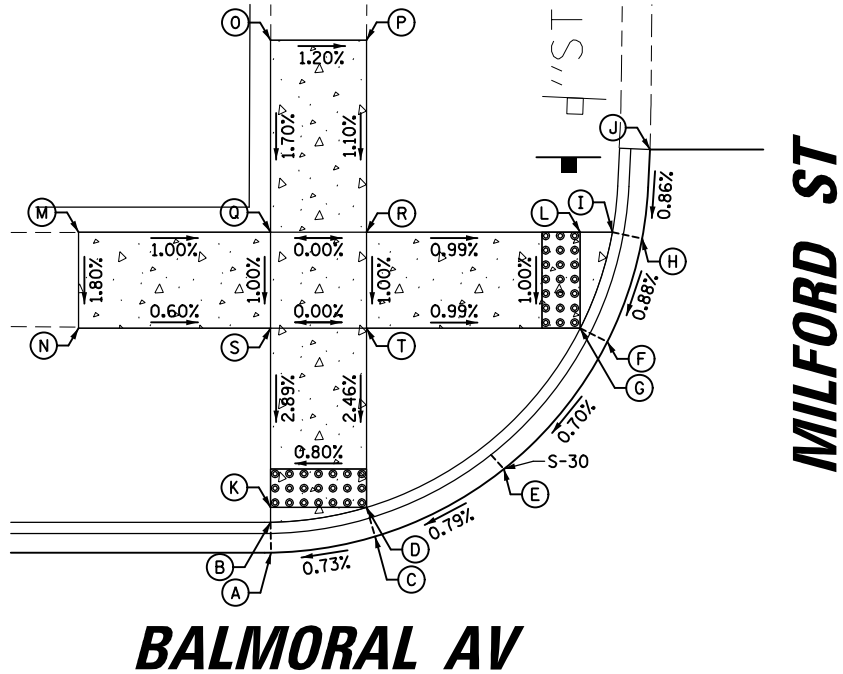
BALMORAL AVENUE RECONSTRUCTION SIDEWALK RAMP DETAILS			
SCALE: 1:10	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	33
CONTRACT NO.			61J83	
ILLINOIS FED. AID PROJECT				

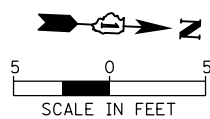
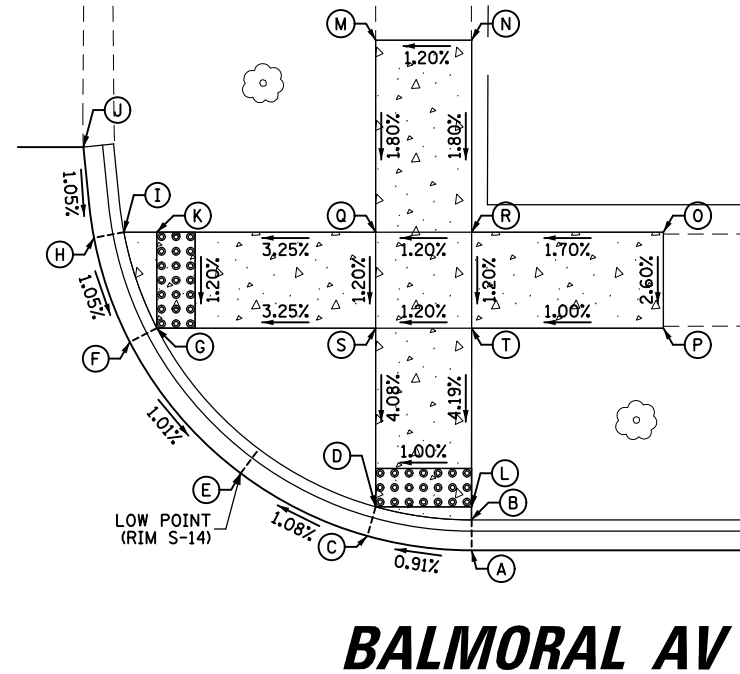




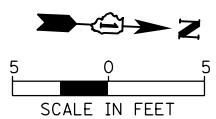
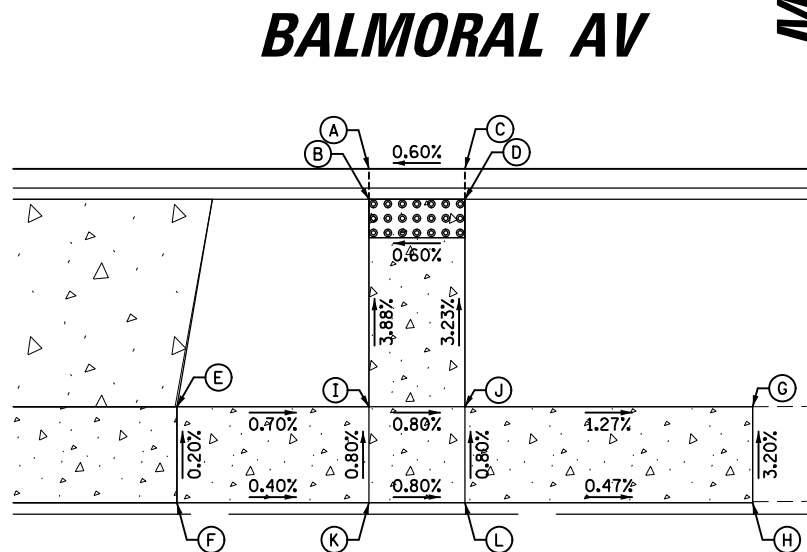
MILFORD SW			
POINT	STA	OFFSET	ELEV
A	109+58.05	15.00' LT	627.20
B	109+58.03	16.58' LT	627.20
C	109+63.48	15.84' LT	627.24
D	109+63.03	17.36' LT	627.24
E	109+70.18	19.35' LT	627.30
F	109+75.58	25.98' LT	627.36
G	109+74.17	26.70' LT	627.36
H	109+77.39	31.37' LT	627.41
I	109+75.84	31.70' LT	627.41
J	109+77.79	36.00' LT	627.45
K	109+58.03	17.36' LT	627.20
L	109+74.17	31.70' LT	627.41
M	109+48.03	31.70' LT	627.62
N	109+48.03	26.70' LT	627.53
O	109+58.03	41.70' LT	627.69
P	109+63.03	41.70' LT	627.63
Q	109+58.03	31.70' LT	627.52
R	109+63.03	31.70' LT	627.52
S	109+58.03	26.70' LT	627.47
T	109+63.03	26.70' LT	627.47



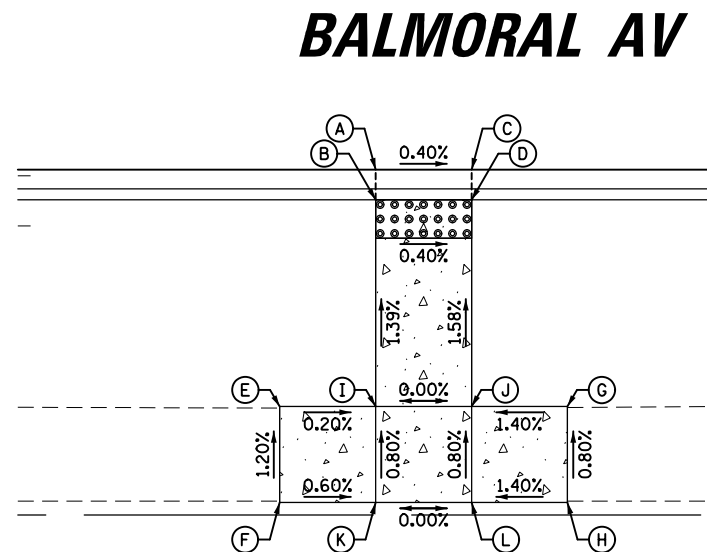
MILFORD NW			
POINT	STA	OFFSET	ELEV
A	110+22.09	15.00' LT	627.37
B	110+22.09	16.58' LT	627.37
C	110+16.67	15.74' LT	627.32
D	110+17.09	17.26' LT	627.32
E	110+10.06	19.01' LT	627.24
F	110+04.29	25.84' LT	627.33
G	110+05.70	26.57' LT	627.33
H	110+02.43	31.27' LT	627.39
I	110+03.98	31.57' LT	627.39
J	110+01.87	36.00' LT	627.44
K	110+05.70	31.57' LT	627.39
L	110+22.09	17.26' LT	627.37
M	110+17.09	41.57' LT	627.94
N	110+22.09	41.57' LT	628.00
O	110+32.09	31.57' LT	627.99
P	110+32.09	26.57' LT	627.86
Q	110+17.09	31.57' LT	627.76
R	110+22.09	31.57' LT	627.82
S	110+17.09	26.57' LT	627.70
T	110+22.09	26.57' LT	627.76



MILFORD SE			
POINT	STA	OFFSET	ELEV
A	109+58.03	15.00' RT	627.13
B	109+58.03	16.58' RT	627.13
C	109+63.03	15.00' RT	627.16
D	109+63.03	16.58' RT	627.16
E	109+48.03	27.40' RT	627.62
F	109+48.03	32.40' RT	627.63
G	109+78.03	27.40' RT	627.32
H	109+78.03	32.40' RT	627.48
I	109+58.03	27.40' RT	627.55
J	109+63.03	27.40' RT	627.51
K	109+58.03	32.40' RT	627.59
L	109+63.03	32.40' RT	627.55



MILFORD NE			
POINT	STA	OFFSET	ELEV
A	110+17.09	15.00' RT	627.39
B	110+17.09	16.58' RT	627.39
C	110+22.09	15.00' RT	627.37
D	110+22.09	16.58' RT	627.37
E	110+12.09	27.35' RT	627.55
F	110+12.09	32.35' RT	627.61
G	110+27.09	27.35' RT	627.61
H	110+27.09	32.35' RT	627.65
I	110+17.09	27.35' RT	627.54
J	110+22.09	27.35' RT	627.54
K	110+17.09	32.35' RT	627.58
L	110+22.09	32.35' RT	627.58



PLAN SURVEYED BY DATE  
 PLOTTED BY DATE  
 NOTE BOOK NO. \_\_\_\_\_  
 ALIGNMENT CHECKED BY DATE  
 GRADES CHECKED BY DATE  
 STRUCTURE NOTATIONS CHECKED BY DATE  
 CAD FILE NAME \_\_\_\_\_

PROFILE SURVEYED BY DATE  
 PLOTTED BY DATE  
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 GRADES CHECKED BY DATE  
 STRUCTURE NOTATIONS CHECKED BY DATE

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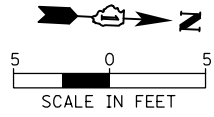
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

BALMORAL AVENUE RECONSTRUCTION  
 SIDEWALK RAMP DETAILS  
 SCALE: 1:10 SHEET OF SHEETS STA. TO STA.

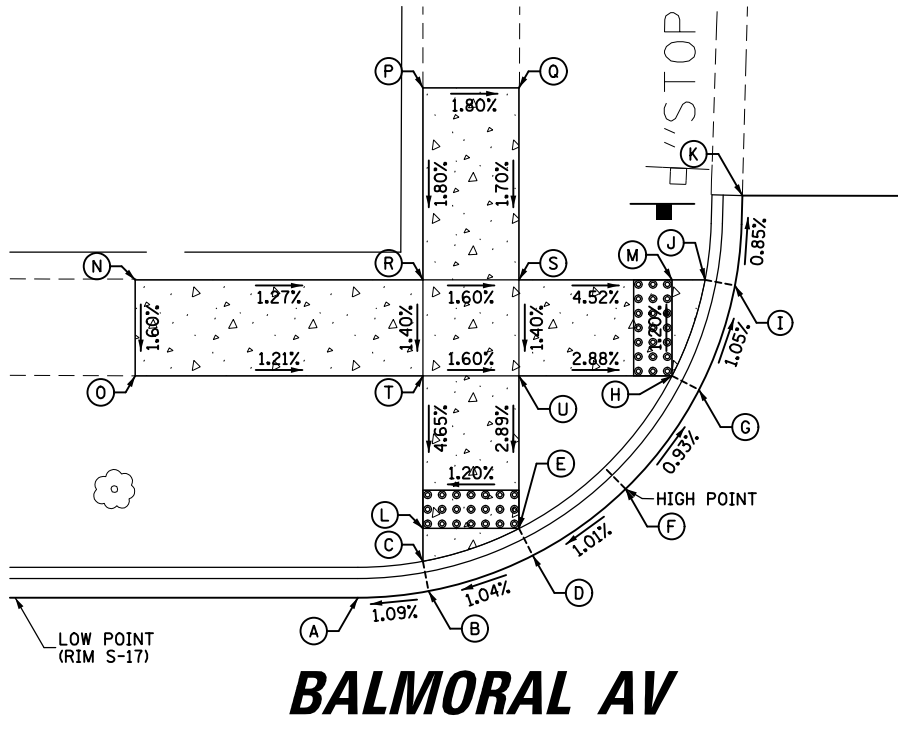
F.A.U. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.  
 2712 17-00084-00-PV COOK 89 34  
 CONTRACT NO. 61J83  
 ILLINOIS FED. AID PROJECT



PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
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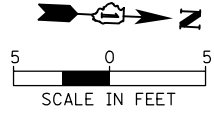
DICKENS SW			
POINT	STA	OFFSET	ELEV
A	112+87.84	15.00' LT	627.52
B	112+91.49	15.34' LT	627.56
C	112+91.20	16.90' LT	627.56
D	112+96.92	17.22' LT	627.62
E	112+96.19	18.62' LT	627.62
F	113+01.73	20.69' LT	627.68
G	113+05.55	25.88' LT	627.62
H	113+04.15	26.60' LT	627.62
I	113+07.41	31.31' LT	627.56
J	113+05.85	31.60' LT	627.56
K	113+07.78	36.00' LT	627.52
L	112+91.19	18.61' LT	627.56
M	113+04.13	31.60' LT	627.56
N	112+76.24	31.56' LT	628.19
O	112+76.24	26.56' LT	628.11
P	112+91.13	41.57' LT	628.18
Q	112+96.13	41.58' LT	628.09
R	112+91.16	31.57' LT	628.00
S	112+96.16	31.58' LT	627.92
T	112+91.17	26.57' LT	627.93
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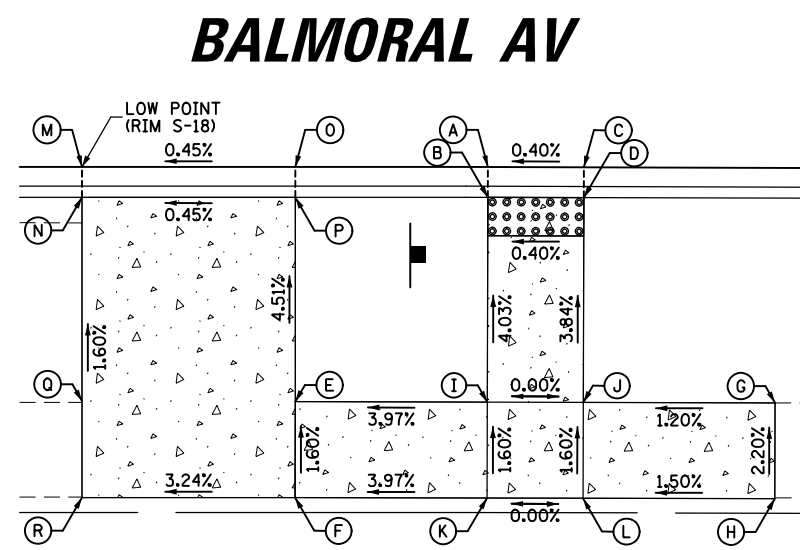
DICKENS ST

DICKENS ST

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

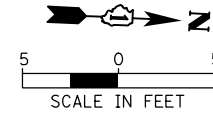


DICKENS SE			
POINT	STA	OFFSET	ELEV
A	112+91.18	15.00' RT	627.22
B	112+91.18	16.58' RT	627.22
C	112+96.18	15.00' RT	627.24
D	112+96.18	16.58' RT	627.24
E	112+81.11	27.22' RT	627.21
F	112+81.10	32.22' RT	627.29
G	113+06.18	27.25' RT	627.77
H	113+06.18	32.25' RT	627.88
I	112+91.18	27.25' RT	627.61
J	112+96.18	27.25' RT	627.61
K	112+91.18	32.25' RT	627.69
L	112+96.18	32.25' RT	627.69
M	112+70.00	15.00' RT	627.12
N	112+70.00	16.58' RT	626.68
O	112+81.11	15.00' RT	627.17
P	112+81.11	16.58' RT	626.73
Q	112+70.00	27.27' RT	626.85
R	112+70.00	32.22' RT	626.93

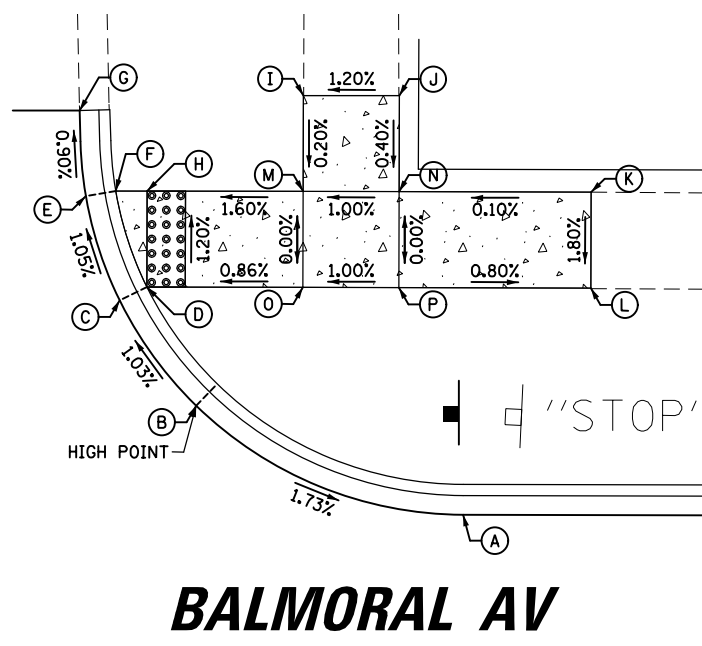


DICKENS ST

DICKENS ST



DICKENS NW			
POINT	STA	OFFSET	ELEV
A	113+58.38	15.00' LT	627.65
B	113+44.45	20.64' LT	627.91
C	113+40.46	26.12' LT	627.84
D	113+41.87	26.82' LT	627.84
E	113+38.68	31.55' LT	627.78
F	113+40.23	31.82' LT	627.78
G	113+38.34	36.00' LT	627.74
H	113+41.87	31.82' LT	627.78
I	113+50.00	36.82' LT	627.92
J	113+55.00	36.82' LT	627.98
K	113+65.00	31.82' LT	627.97
L	113+65.00	26.82' LT	627.88
M	113+50.00	31.82' LT	627.91
N	113+55.00	31.82' LT	627.96
O	113+50.00	26.82' LT	627.91
P	113+55.00	26.82' LT	627.96



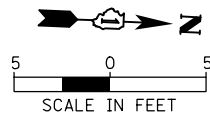
BALMORAL AV

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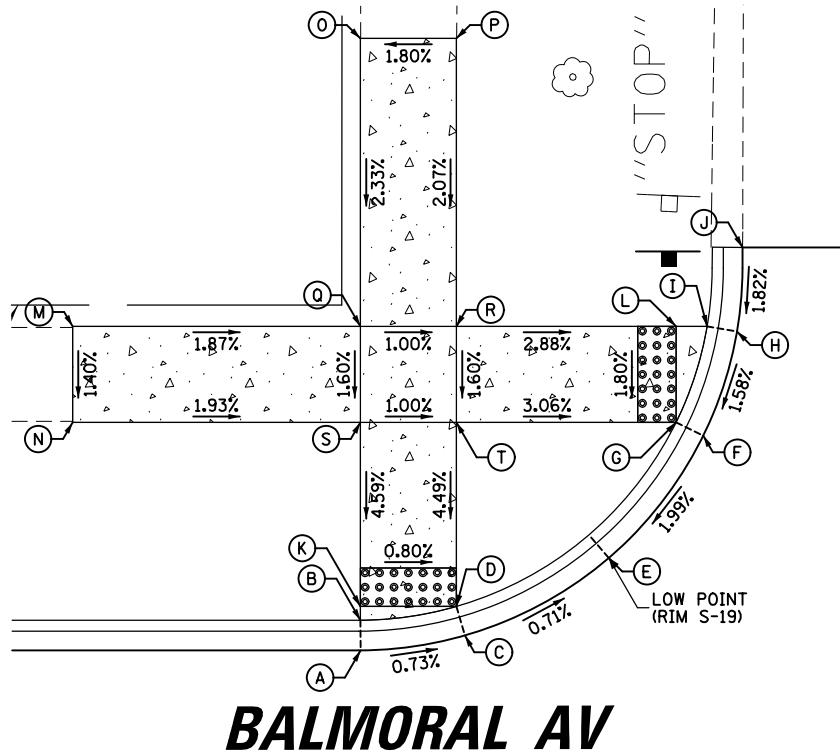
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BALMORAL AVENUE RECONSTRUCTION SIDEWALK RAMP DETAILS			
SCALE: 1:10	SHEET OF SHEETS	STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	35
CONTRACT NO.			61J83	
ILLINOIS FED. AID PROJECT				

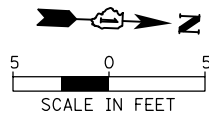


KIPLING SW			
POINT	STA	OFFSET	ELEV
A	116+24.08	15.00' LT	626.56
B	116+24.07	16.58' LT	626.56
C	116+29.51	15.78' LT	626.51
D	116+29.07	17.30' LT	626.51
E	116+37.00	19.82' LT	626.43
F	116+41.93	26.19' LT	626.60
G	116+40.51	26.88' LT	626.60
H	116+43.69	31.62' LT	626.71
I	116+42.13	31.88' LT	626.71
J	116+43.98	36.00' LT	626.79
K	116+24.07	17.30' LT	626.56
L	116+40.51	31.88' LT	626.70
M	116+09.07	31.88' LT	627.36
N	116+09.07	26.88' LT	627.29
O	116+24.07	46.88' LT	627.43
P	116+29.07	46.88' LT	627.34
Q	116+24.07	31.88' LT	627.08
R	116+29.07	31.88' LT	627.03
S	116+24.07	26.88' LT	627.00
T	116+29.07	26.88' LT	626.95



**KIPLING ST**

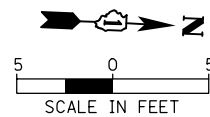
**BALMORAL AV**



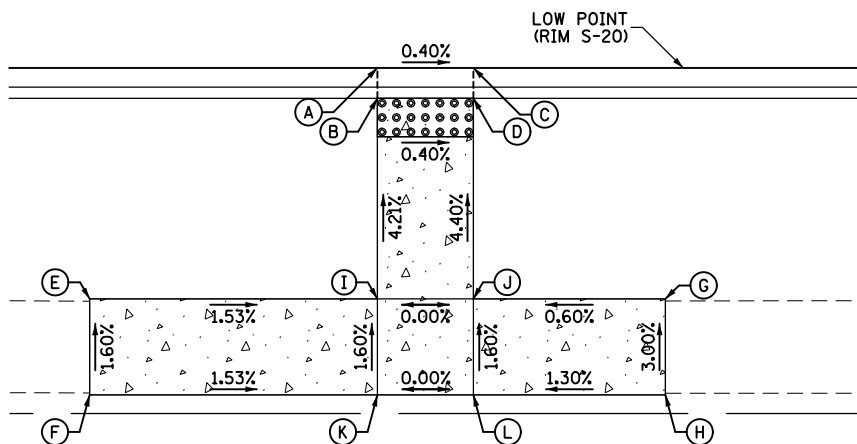
KIPLING NW			
POINT	STA	OFFSET	ELEV
A	116+87.93	15.01' LT	626.69
B	116+87.97	16.59' LT	626.69
C	116+82.50	15.90' LT	626.64
D	116+82.97	17.41' LT	626.64
E	116+74.91	20.26' LT	626.56
F	116+70.56	26.03' LT	626.68
G	116+71.97	26.74' LT	626.68
H	116+68.75	31.46' LT	626.78
I	116+70.30	31.74' LT	626.77
J	116+68.27	36.00' LT	626.87
K	116+71.97	31.74' LT	626.77
L	116+87.97	17.41' LT	626.69
M	116+82.97	41.74' LT	627.23
N	116+87.97	41.74' LT	627.33
O	116+97.97	31.74' LT	627.32
P	116+97.97	26.74' LT	627.27
Q	116+82.97	31.74' LT	627.09
R	116+87.97	31.74' LT	627.16
S	116+82.97	26.74' LT	627.02
T	116+87.97	26.74' LT	627.09

**KIPLING ST**

**BALMORAL AV**

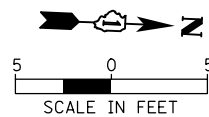


KIPLING SE			
POINT	STA	OFFSET	ELEV
A	116+24.07	15.00' RT	626.56
B	116+24.07	16.58' RT	626.56
C	116+29.07	15.00' RT	626.54
D	116+29.07	16.58' RT	626.54
E	116+09.07	27.03' RT	627.23
F	116+09.07	32.03' RT	627.31
G	116+39.07	27.03' RT	627.06
H	116+39.07	32.03' RT	627.21
I	116+24.07	27.03' RT	627.00
J	116+29.07	27.03' RT	627.00
K	116+24.07	32.03' RT	627.08
L	116+29.07	32.03' RT	627.08



**KIPLING ST**

**BALMORAL AV**



KIPLING NE			
POINT	STA	OFFSET	ELEV
A	116+82.97	15.00' RT	626.67
B	116+82.97	16.58' RT	626.67
C	116+87.97	15.00' RT	626.69
D	116+87.97	16.58' RT	626.69
E	116+72.97	27.04' RT	627.24
F	116+72.97	32.04' RT	627.35
G	116+97.97	27.04' RT	627.30
H	116+97.97	32.04' RT	627.37
I	116+82.97	27.04' RT	627.16
J	116+87.97	27.04' RT	627.16
K	116+82.97	32.04' RT	627.23
L	116+87.97	32.04' RT	627.23

**KIPLING ST**

**BALMORAL AV**

FILE NAME =	USER NAME = jjezierny	DESIGNED -	REVISED -
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	PLOT DATE = 9/1/2023	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BALMORAL AVENUE RECONSTRUCTION SIDEWALK RAMP DETAILS			
SCALE: 1:10	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	36
CONTRACT NO.			61J83	
ILLINOIS FED. AID PROJECT				

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

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



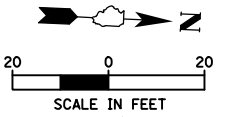
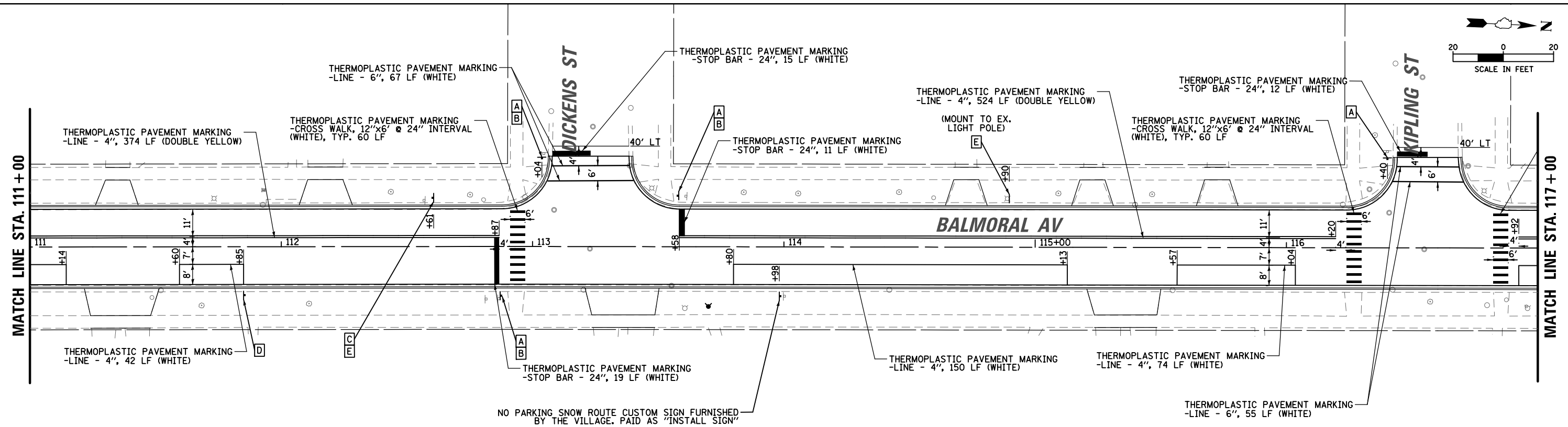






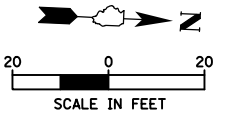
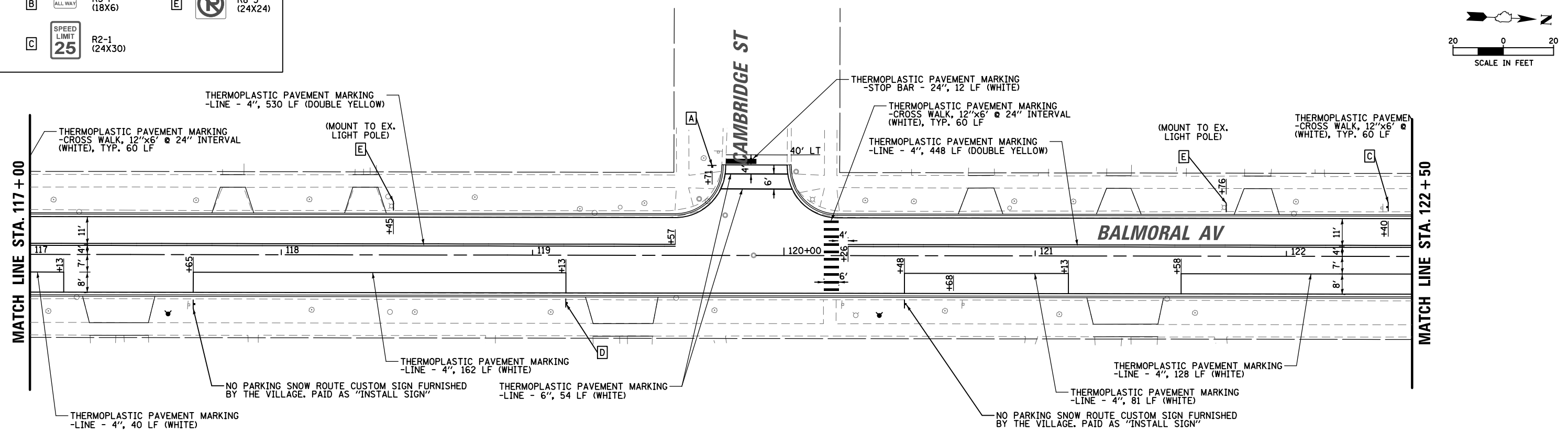
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	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		

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

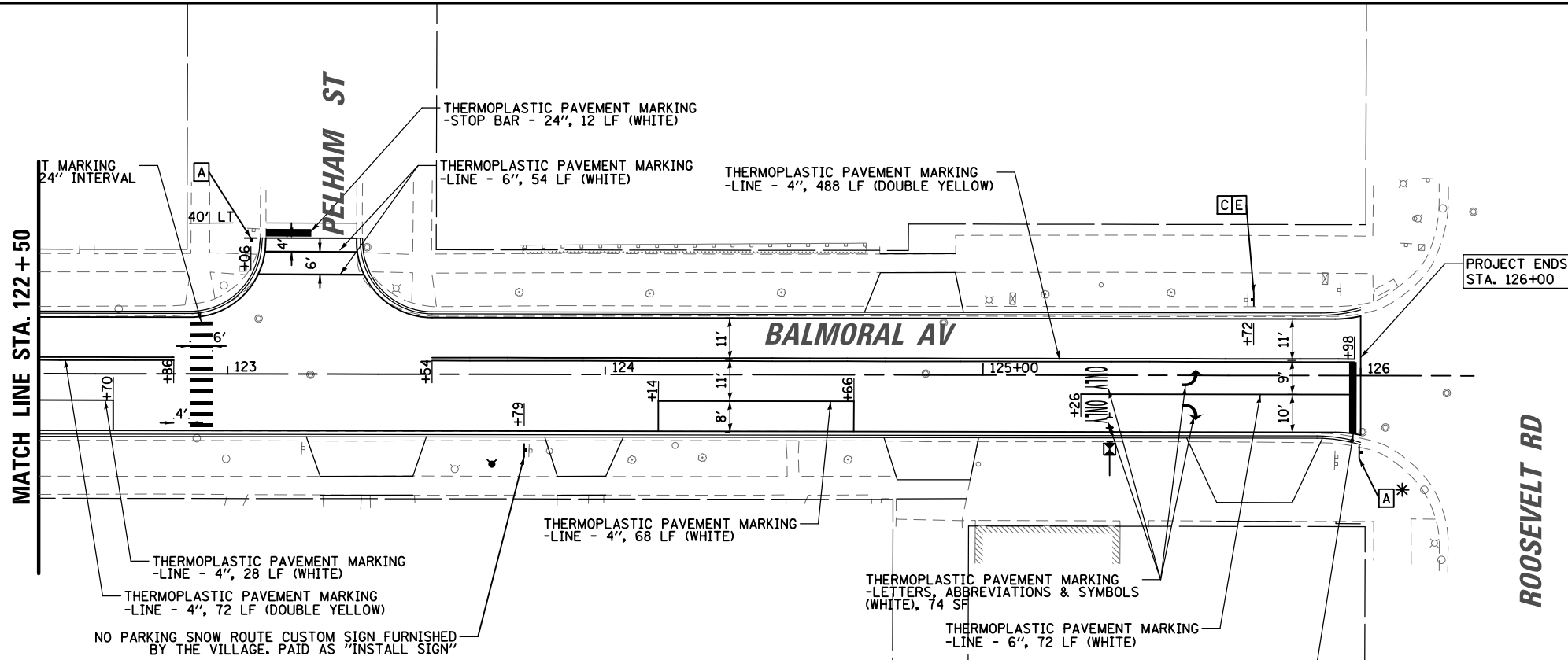
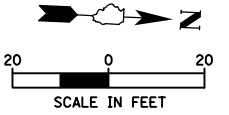


**SIGNAGE LEGEND:**

<b>A</b> STOP R1-1 (30X30)	<b>D</b> NO PARKING SNOW ROUTE STOP R7-7 (12X18)
<b>B</b> ALL WAY R3-P (18X6)	<b>E</b> NO PARKING R8-3 (24X24)
<b>C</b> SPEED LIMIT 25 R2-1 (24X30)	



FILE NAME = N:\WESTCHESTER\120326\120326.00026A\C1.v	USER NAME = jjezierny	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BALMORAL AVENUE RECONSTRUCTION PROPOSED PAVEMENT MARKING AND SIGNING PLAN</b>	F.A.U. R.T.E. = 2712	SECTION = 17-00084-00-PV	COUNTY = COOK	TOTAL SHEETS = 89	SHEET NO. = 40		
Default	PLOT SCALE = 48"	DRAWN -	REVISED -			SCALE: 1"=140'	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 61J83			
	PLOT DATE = 9/1/2023	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT						
		DATE -	REVISED -									



NO PARKING SNOW ROUTE CUSTOM SIGN FURNISHED BY THE VILLAGE. PAID AS "INSTALL SIGN"

**SIGNAGE LEGEND:**

<b>A</b>		R1-1 (30X30)	<b>D</b>		R7-7 (12X18)
<b>B</b>		R3-P (18X6)	<b>E</b>		R8-3 (24X24)
<b>C</b>		R2-1 (24X30)			

\* STOP SIGN TO BE MOUNTED TO TELESCOPING STEEL SIGN SUPPORT

FILE NAME =	USER NAME = jjezerny	DESIGNED -	REVISED -
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Default	PLOT SCALE = 48"	CHECKED -	REVISED -
	PLOT DATE = 9/1/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

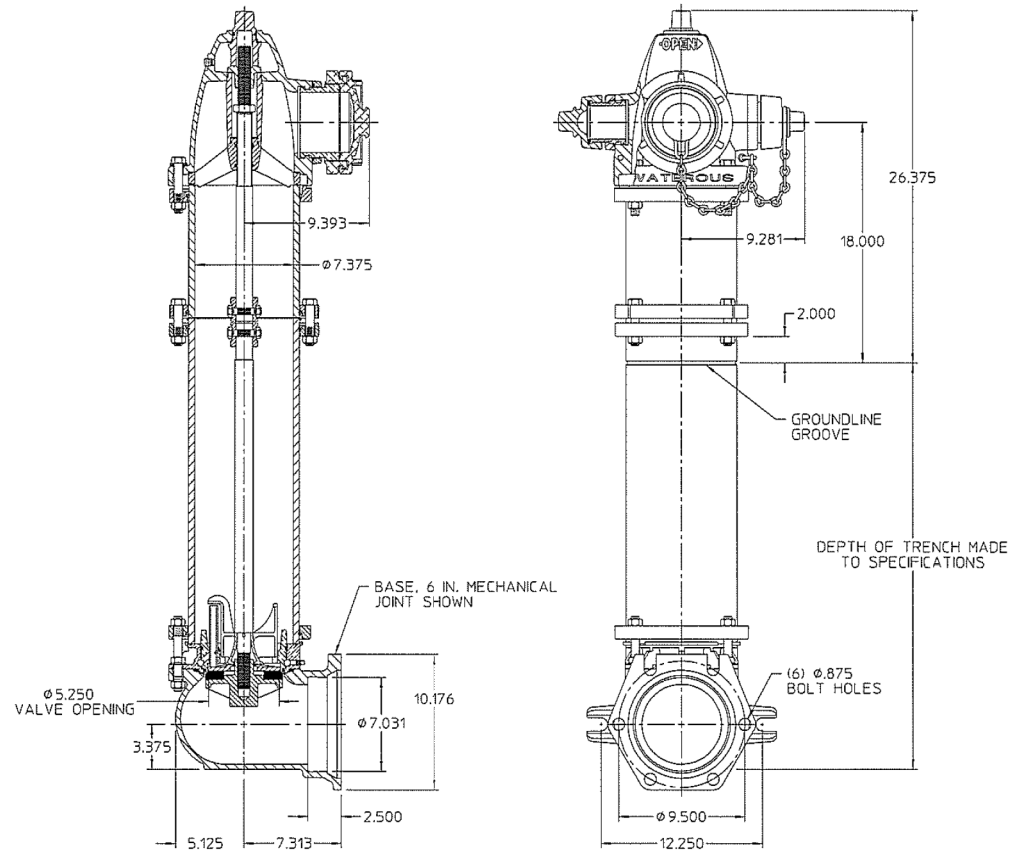
<b>BALMORAL AVENUE RECONSTRUCTION PROPOSED PAVEMENT MARKING PLAN</b>			
SCALE: 1"=40.00'	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	41
CONTRACT NO. 61J83			ILLINOIS FED. AID PROJECT	



# AMERICAN Flow Control Submittal Information

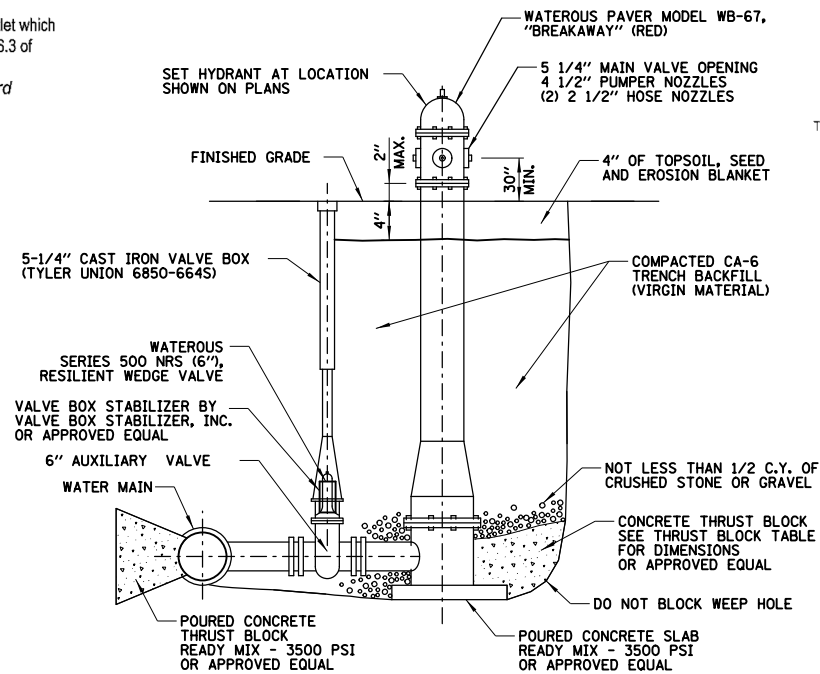
## 5-1/4 WATEROUS PACER® TRAFFIC MODEL WB67-250 FIRE HYDRANT WITH 5-INCH STORZ CONNECTION



IL4378

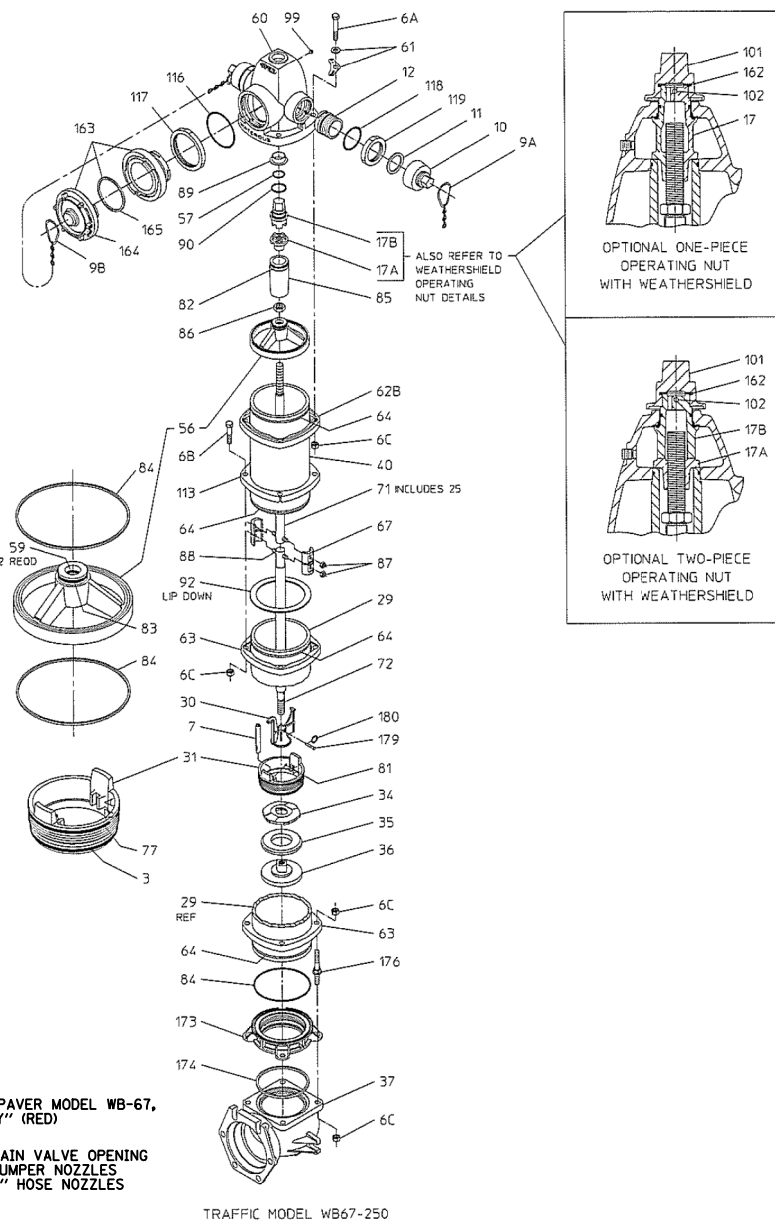
### NOTES:

- 250 psig rated working pressure.
- This hydrant meets or exceeds all requirements of AWWA C502.
- This hydrant is equipped with a 5-inch size **Standard** nozzle outlet which conforms to the requirements for threaded outlets in Section 4.6.3 of AWWA C502-14 *Dry-Barrel Fire Hydrants* and the dimensional requirements for threaded connections in NFPA 1963 *Standard for Fire Hose Connections*.
- 10 in. upper standpipe (traffic section) is standard. 16 in., 22 in., 28 in. and 34 in. upper standpipes are available by special order. Nozzle elevation will vary accordingly.
- 5-1/4" valve opening.
- Hydrants are available with counterclockwise opening direction (open-left) or clockwise opening direction (open-right).
- Operating nut and nozzle cap wrench nuts are available in various shapes and sizes.



NOTE:  
HEIGHT FROM FINISHED GRADE TO WATER MAIN ELEVATION VARIES

**FIRE HYDRANT**  
N.T.S.



TRAFFIC MODEL WB67-250

REF NO.	DESCRIPTION	MATERIAL
3	O-ring (Lower Valve Seat)	Buna-N
6A	Hex Head Bolt, 5/8-11 x 3-3/4"	Zinc Plated Steel, ASTM A307
6B	Hex Head Bolt, 5/8-11 x 3"	Zinc Plated Steel, ASTM A307
6C	Hex Nut, 5/8-11 (Above Ground)	Zinc Plated Steel, ASTM A307
6C	Hex Nut, 5/8-11 (Below Ground)	Stainless Steel, Type 304, ASTM F594
7	Drain Plunger	Red Brass, ASTM B135, UNS C23000
9A,9B	Nozzle Cap Chain, Single or Double	Zinc Plated Steel
10	Nozzle Cap, Hose	Ductile Iron, ASTM A536 Grade 65-45-12
11	Cap Gasket, Hose	Neoprene
12	Nozzle, Hose	Brass, ASTM B505, UNS C83600
17	Operating Nut (One-Piece)	Bronze, ASTM B763, UNS C86500 or UNS C86700
17A	Lower Operating Nut	Bronze
17B	Upper Operating Nut	Ductile Iron, ASTM A536 Grade 65-45-12*
25	Rod Bushing	Red Brass, ASTM B135, UNS C23000
29	Lower Standpipe	Centrifugally Cast Ductile Iron Pipe, ANSI A21.51 (AWWA C151)
30	Crossarm	Bronze, ASTM B763, UNS C99500
31	Valve Seat	Bronze, ASTM B584, UNS C87600
34	Upper Valve Washer	Ductile Iron, ASTM A536 Grade 65-45-12
35	Main Valve Rubber	Urethane
36	Lower Valve Washer	Ductile Iron, ASTM A536 Grade 65-45-12 / Epoxy Coated, AWWA C550
37	Hydrant Bottom	Ductile Iron, ASTM A536 Grade 65-45-12 / Epoxy Coated, AWWA C550
40	Upper Standpipe	Centrifugally Cast Ductile Iron Pipe, ANSI A21.51 (AWWA C151)
56	Support Wheel	Ductile Iron, ASTM A536 Grade 65-45-12
57	O-ring (Operating Nut)	Buna-N
59	O-ring (Support Wheel)	Buna-N
60	Nozzle Section	Ductile Iron, ASTM A536 Grade 65-45-12
61	Bury Depth Plate	Aluminum
61	Bury Depth Plate Washer	Zinc Plated Steel
62B	Upper Standpipe Flange	Ductile Iron, ASTM A536 Grade 65-45-12
63	Standpipe Flange	Ductile Iron, ASTM A536 Grade 65-45-12
64	Flange Lock Ring	Stainless Steel, Type 304
67	Coupling Sleeve (two-halves)	Gray Iron, ASTM A48 Class 30B
71	Upper Rod	Steel Rod, ASTM A575
72	Lower Rod	Steel Rod, ASTM A575
77	O-ring (Upper Valve Seat)	Buna-N
81	Groove Pin, 3/32 x 7/16"	Beryllium Copper
82	O-ring (Upper Tube Seal)	Buna-N
83	O-ring (Lower Tube Seal)	Buna-N

REF NO.	DESCRIPTION	MATERIAL
84	Support Wheel / Lower Standpipe Gasket	Buna-N
85	Support Tube	Ductile Iron, ASTM A536 Grade 65-45-12
86	Stop Nut, 1"-8	Zinc Plated Steel
87	Coupling Stud, 1/2-20	Brass
88	Coupling Stud, 1/2-20 x 2-9/16"	Stainless Steel, Type 304
89	Nozzle Section Bushing	Brass
90	Thrust Ring	Polymer Bearing
92	Upper Standpipe Gasket	Neoprene
99	Pipe Plug, 1/4 NPT	Brass
101	Weathershield Nut	Ductile Iron, ASTM A536 Grade 65-45-12
102	Heavy Spirol Pin, 1/4 x 2-1/4"	Stainless Steel, Type 302
113	Breakable Flange	Ductile Iron, ASTM A536 Grade 65-45-12
116	O-ring (Pumper Nozzle)	Buna-N
117	Pumper Nozzle Retainer	Ductile Iron, ASTM A536 Grade 65-45-12
118	O-ring (Hose Nozzle)	Buna-N
119	Hose Nozzle Retainer	Ductile Iron, ASTM A536 Grade 65-45-12
162	Weathershield Nut Gasket	Nitrile
163	Nozzle, Pumper, Storz (with cap and gasket)	Bronze and Aluminum
164	Nozzle Cap, Pumper, Storz	Aluminum
165	Cap Gasket, Pumper, Storz	Buna-N
173	Valve Seat Insert	Bronze, ASTM B584, UNS C87600
174	Valve Seat Insert Gasket	Nitrile
176	Stud, 5/8-11 x 5.650"	Stainless Steel, Type 304, ASTM F593
179	Clevis Pin, 1/4 x 1-11/16"	Stainless Steel, Type 18-8
180	Kickout Ring	Stainless Steel, Type 18-8

\*Bronze material optional for some nut sizes.

### FIRE HYDRANT DETAILS

FILE NAME =	USER NAME = jjezerny	DESIGNED -	REVISED -
N:\WESTCHESTER\120326\120326.00026A\C.V	\DET_120326-26A_04.SHT	DRAWN -	REVISED -
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	PLOT DATE = 9/1/2023	DATE -	REVISED -

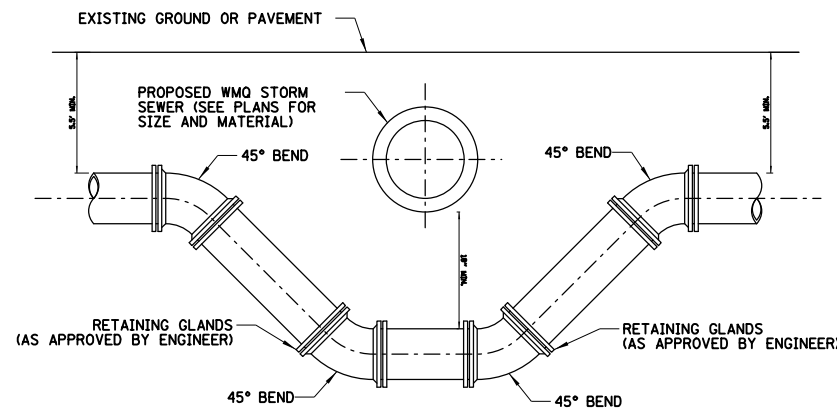
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BALMORAL AVENUE RECONSTRUCTION  
CONSTRUCTION DETAILS

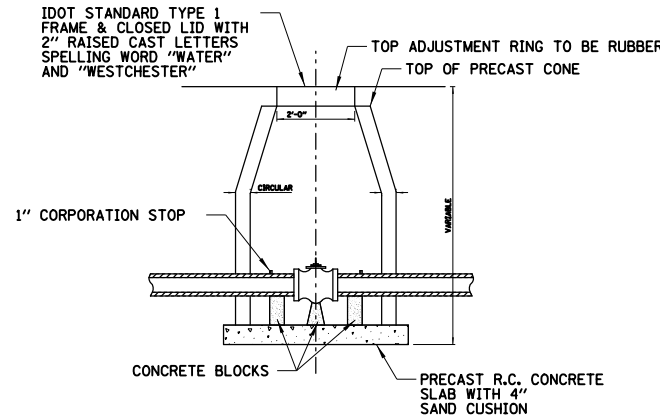
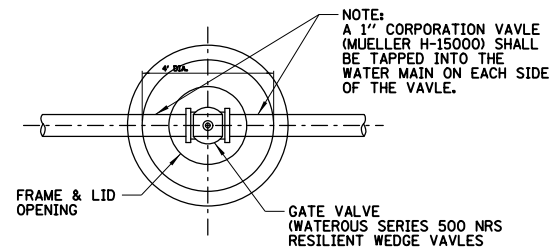
SCALE: 1:40 SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	42
CONTRACT NO. 61J83				

ILLINOIS FED. AID PROJECT

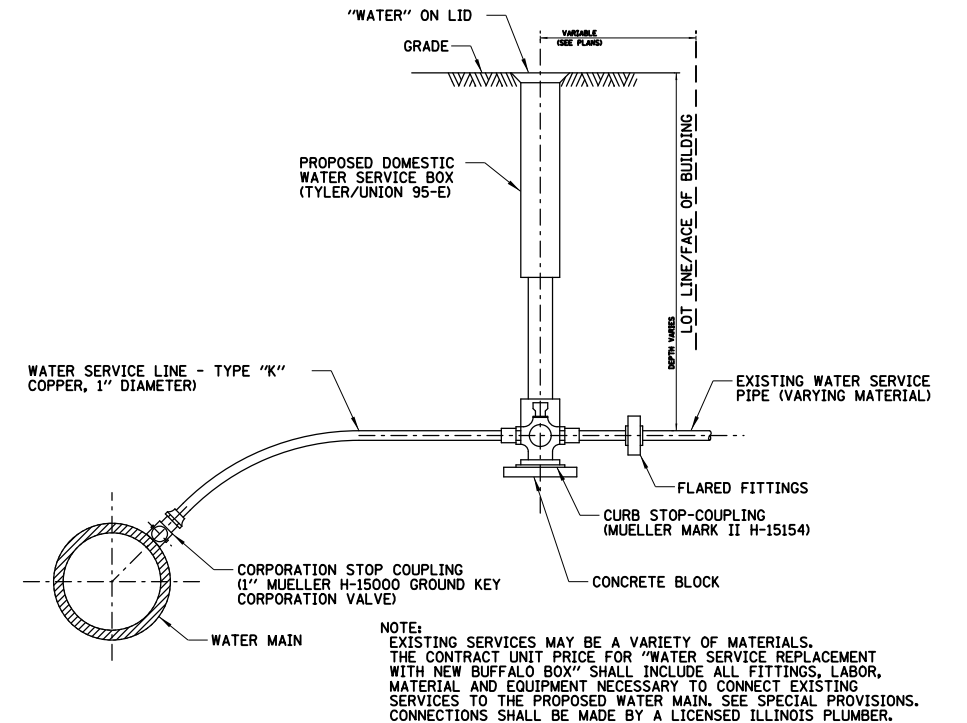


**METHOD OF CROSSING UNDER PROPOSED STORM SEWER**  
N.T.S.

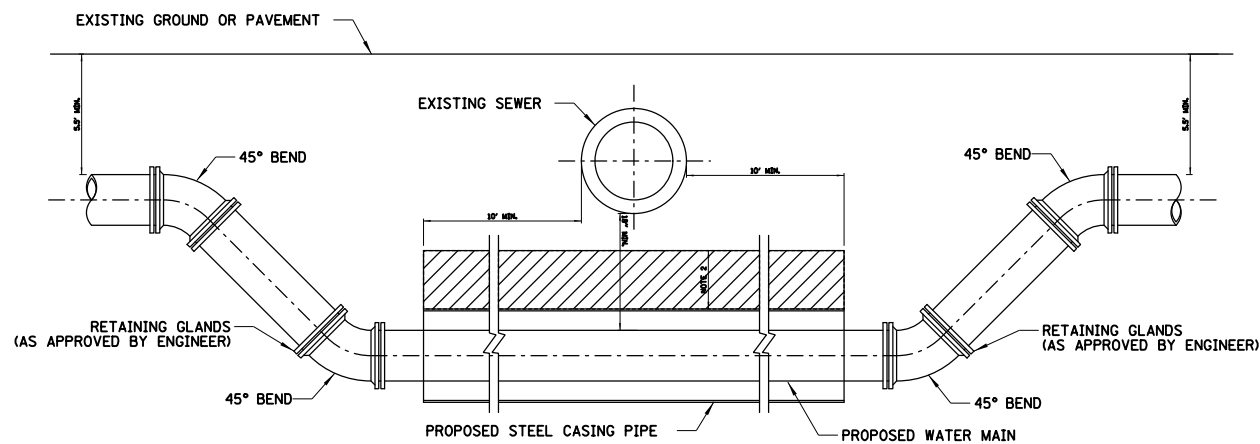


**NOTE:**  
1. THE CONTRACT UNIT PRICE FOR VALVE VAULTS TYPE A SHALL INCLUDE THE FRAME AND CLOSED LID, PRECAST CONCRETE RISERS AND COMPACTED TRENCH BACKFILL. PRECAST REINFORCED CONCRETE RISERS ARE TO BE LAID IN MASTIC JOINTS WITH FLUSH JOINTS. FURNISHING AND INSTALLING SAND CUSHION TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR VALVE VAULT, TYPE A.  
2. ALL BONNET BOLTS AND NUTS AND STUFFING BOX BOLTS AND NUTS SHALL BE STAINLESS STEEL.

**STANDARD TYPE "A" VALVE VAULT**  
N.T.S.

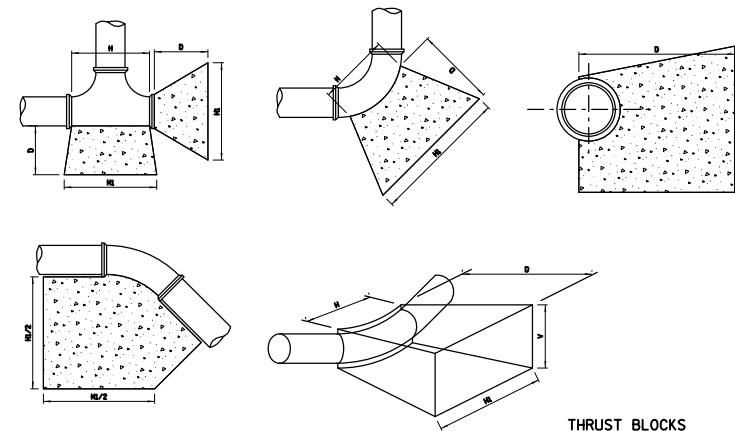


**TYPICAL WATER SERVICE CONNECTION**  
N.T.S.



**NOTE:**  
1. OMIT GRANULAR CRADLE FOR PROPOSED WATER MAIN  
2. PLACE 1.0' OF CLASS IV MATERIAL OVER THE LENGTH OF THE CASING PIPE AND COMPACT TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY.  
3. PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.

**PROPOSED WATER MAIN BELOW EXISTING SEWER**  
N.T.S.



**THRUST BLOCKS FOR DIMENSIONS SEE TABLE A**

SIZE OF PIPE	TAPPING TEES, SLEEVES AND PLUGS					90° BENDS					45° BENDS OR LESS				
	HI	H	V	D	C. FT.	HI	H	V	D	C. FT.	HI	H	V	D	C. FT.
12"	54"	30"	24"	24"	13.40	54"	32"	36"	36"	18.15	42"	18"	24"	24"	9.60
8"	36"	18"	18"	18"	5.05	39"	18"	24"	18"	7.50	30"	11"	18"	18"	3.95
6"	24"	16"	18"	18"	3.50	30"	16"	18"	18"	4.05	24"	10"	16"	18"	3.20
4"	20"	13"	15"	15"	2.15	24"	12"	13"	13"	1.75	20"	8"	12"	12"	1.20

**WATER MAIN THRUST BLOCKING - TABLE A**  
N.T.S.

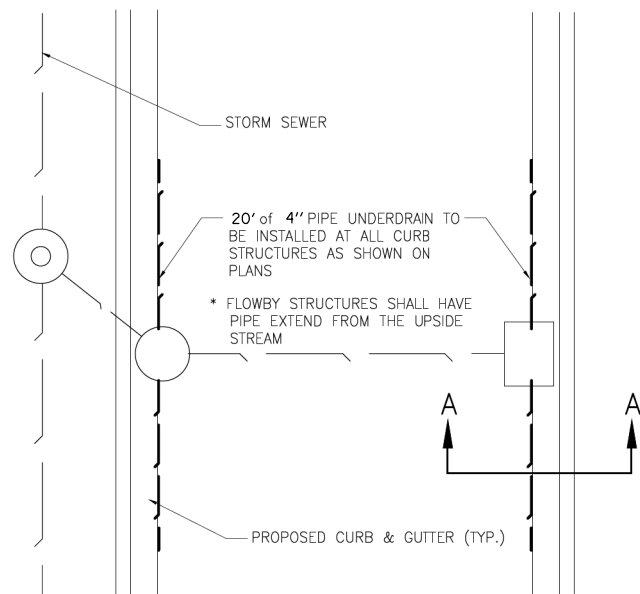
**NOTE:**  
THRUST BLOCKING TO BE INSTALLED AT ALL HORIZONTAL AND VERTICAL BENDS, CAPS, VALVES, HYDRANTS AND AT LOCATIONS DIRECTED BY ENGINEER. THRUST BLOCK TO BE READY MIXED PORTLAND CEMENT CONCRETE, PLACED BETWEEN SOLID GROUND AND FITTING, AND SHALL BE ANCHORED IN SUCH A MANNER THAT PIPE AND FITTING WILL BE ACCESSIBLE FOR REPAIR. ALL ENDS OD 1 1/4" OR MORE, ALL TEES AND ALL PLUGS SHALL BE PROTECTED AS SHOWN, WHERE CONDITIONS PREVENT THE USE OF CONCRETE THRUST BLOCKS, RESTRAINED JOINTS OF A TYPE APPROVED BY THE ENGINEER MAY BE USED.

FILE NAME =	USER NAME = jjezerny	DESIGNED -	REVISED -
N:\WESTCHESTER\120326\120326.00026A\C1.v	\DET_120326-26A_07.SHT	DRAWN -	REVISED -
Default	PLOT SCALE = 48"	CHECKED -	REVISED -
	PLOT DATE = 9/1/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

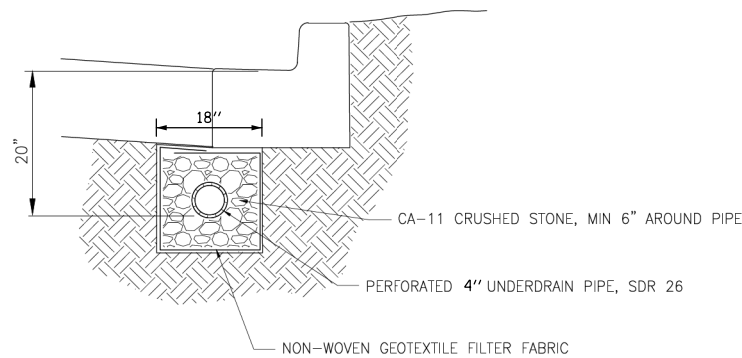
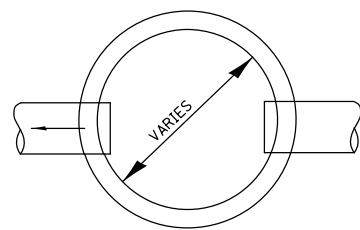
<b>BALMORAL AVENUE RECONSTRUCTION CONSTRUCTION DETAILS</b>			
SCALE: 1:40	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	43
CONTRACT NO.			61J83	
ILLINOIS FED. AID PROJECT				



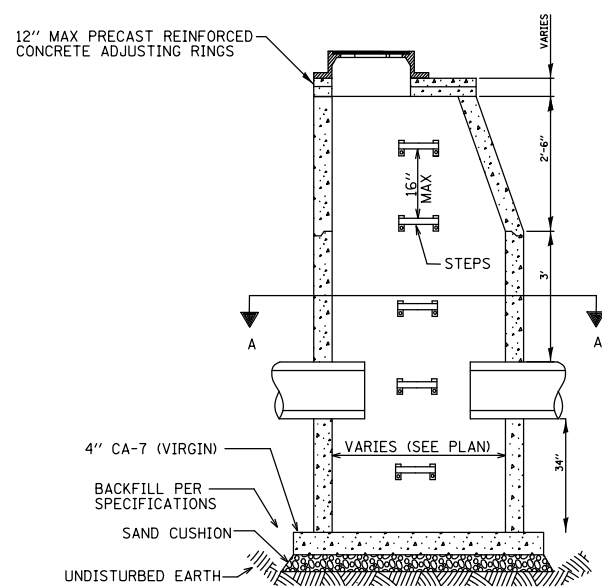
PLAN

PIPE UNDERDRAINS, TYPE 2, 4"



SECTION A-A

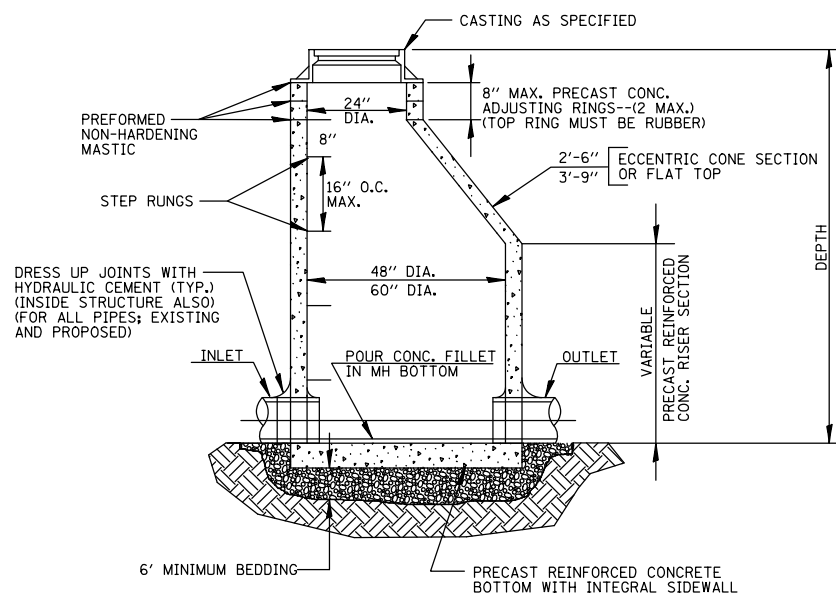
- BOTH THE TRENCH AND DRAIN TILE SHALL BE WRAPPED WITH NON-WOVEN GEOTEXTILE FILTER FABRIC
- CA-11 CRUSHED STONE SHALL BE PLACED AROUND THE DRAIN TILE
- 6" HOLES SHALL BE CAST OR CORED INTO ALL CURBSIDE DRAINAGE STRUCTURES. THE 6" INVERTS SHALL BE 20" BELOW THE EDGE OF PAVEMENT GRADE.



CATCH BASIN DETAIL  
TYPE A

NOTES:

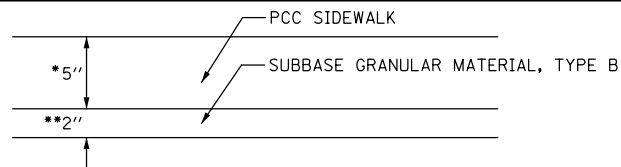
- N.T.S.
- BID PRICE FOR CATCH BASINS SHALL INCLUDE FURNISHING AND PLACING CAST IRON FRAME OR COVER OF THE TYPE SPECIFIED TO THE FINISHED GRADE OF EXISTING PAVEMENT, EXISTING GROUND SURFACE, OR FINISHED GRADE AS ESTABLISHED BY THE ENGINEER.
  - SEE PLANS FOR THE LOCATION AND INVERT ELEVATIONS OF SEWERS, CATCH BASIN TYPES AND DIAMETERS.
  - BACKFILL SHALL BE VIRGIN CA-7.
  - ALL PIPES SHALL BE SEALED INSIDE AND OUT WITH HYDRAULIC CEMENT.



GENERAL NOTES

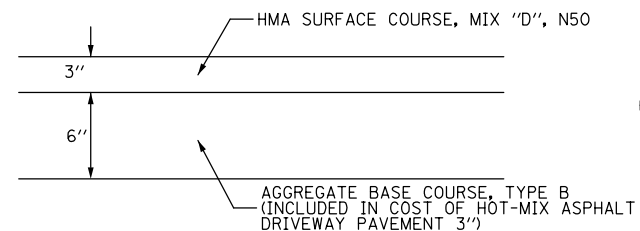
- PROVIDE SELECT GRANULAR BACKFILL, CA-7 (VIRGIN), AROUND MANHOLE TO SUBGRADE ELEVATION IN PAVED AREAS.
- WHEN THE FRAME DOES NOT MEET PROPOSED ELEVATION, A MAXIMUM OF TWO PRECAST CONCRETE RINGS MAY BE USED TO A MAXIMUM HEIGHT OF 8 INCHES. THE RING(S) SHALL BE SET IN A BED OF PREFORMED NON-HARDENING MASTIC.
- MORTAR SHALL NOT BE USED TO DRESS UP ADJUSTING RINGS.
- ONLY PLASTIC POLYMER STEPS SHALL BE USED.
- WHEN MANHOLE DEPTH IS OVER 12 FEET, THE THICKNESS OF THE BASE SHALL BE 10 INCHES. WHEN MANHOLE DEPTH IS LESS THAN 12 FEET, THE THICKNESS OF THE BASE SHALL BE A MINIMUM OF 8 INCHES.

MANHOLE TYPE A

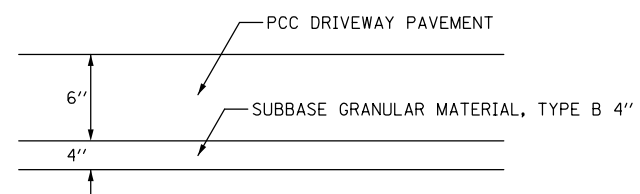


PORTLAND CEMENT CONCRETE SIDEWALK

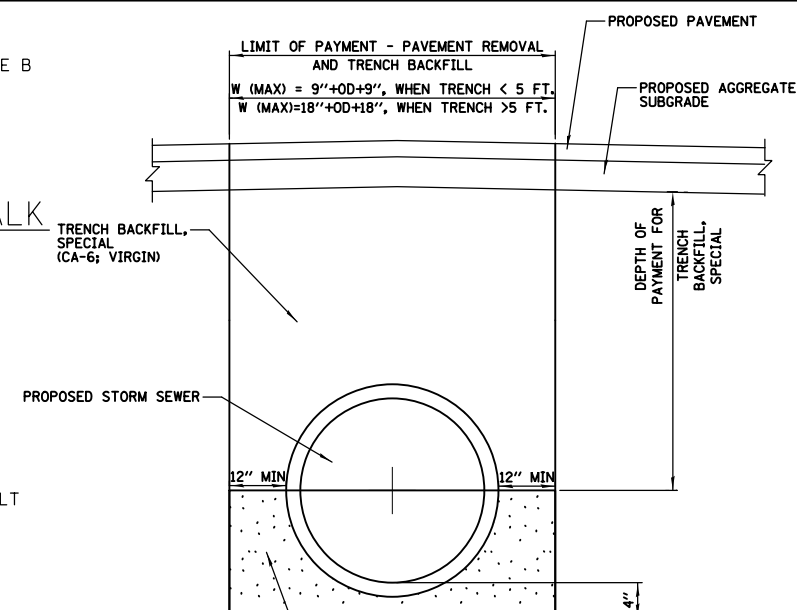
- SIDEWALK SHALL BE THICKENED TO 6" WHERE IT CROSSES DRIVEWAYS
- 4" UNDER PCC SW 6"



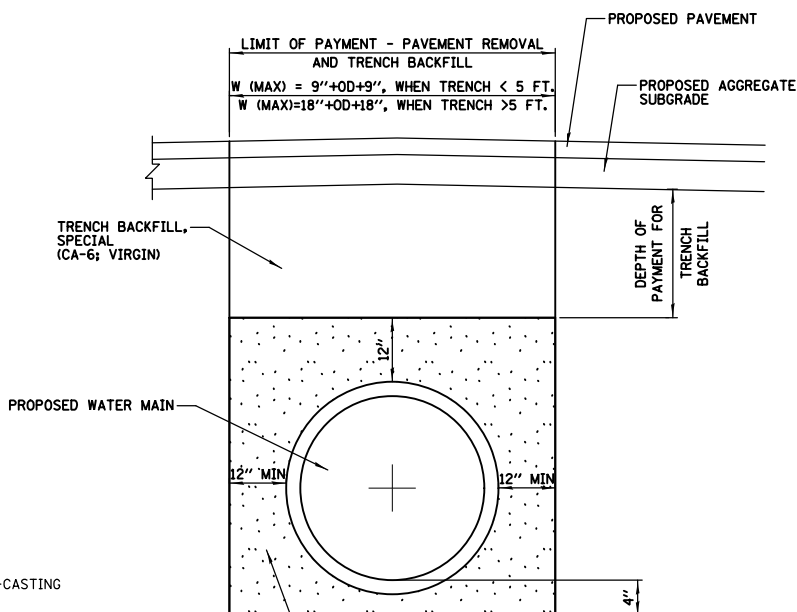
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"



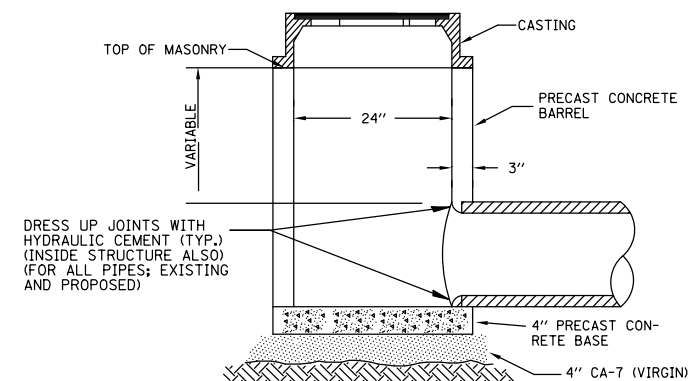
PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6"



TRENCH DETAIL FOR STORM SEWER



TRENCH DETAIL FOR WATER MAIN



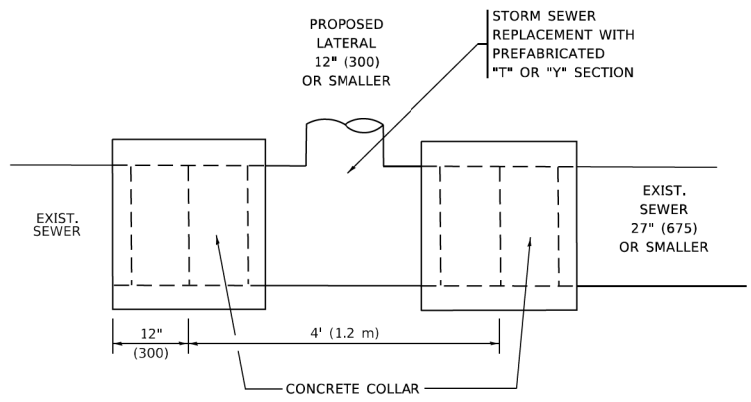
- PRECAST REINFORCED CONCRETE RISER RINGS SHALL COMPLY WITH ASTM C-39. TOP RING SHALL BE EAST JORDAN RUBBER RING.
- ALL JOINTS BETWEEN PRE-CAST ELEMENTS, ADJUSTING RINGS AND MANHOLE FRAMES SHALL BE SET IN PLACE WITH A BUTYL RUBBER JOINT SEALANT.
- BACKFILL SHALL BE VIRGIN CA-7.

INLET TYPE A

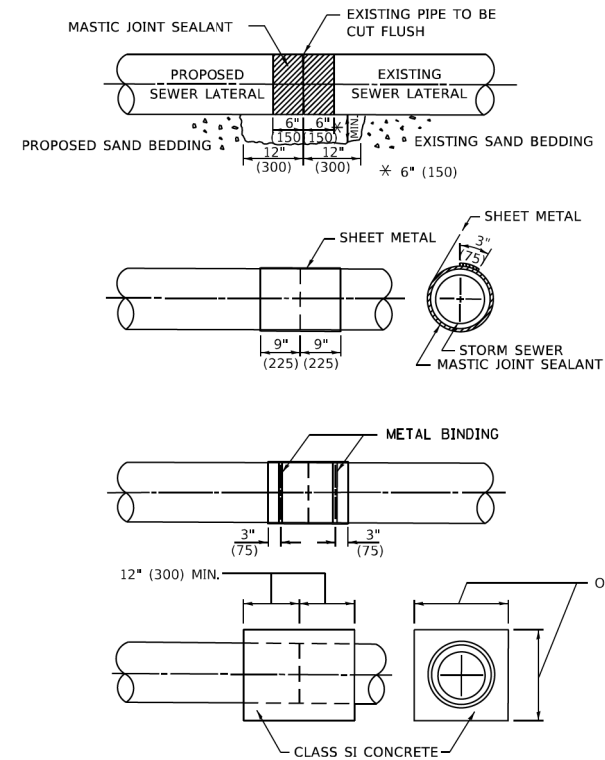
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N:\WESTCHESTER\120326\120326.00026A\C1.v	\DET_120326-26A_08.SHT	DRAWN -	REVISED -			2712	17-00084-00-PV	COOK	89	44
Default	PLOT SCALE = 48"	CHECKED -	REVISED -			CONTRACT NO. 61J83				
	PLOT DATE = 9/1/2023	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

SCALE: 1:40 SHEET OF SHEETS STA. TO STA.

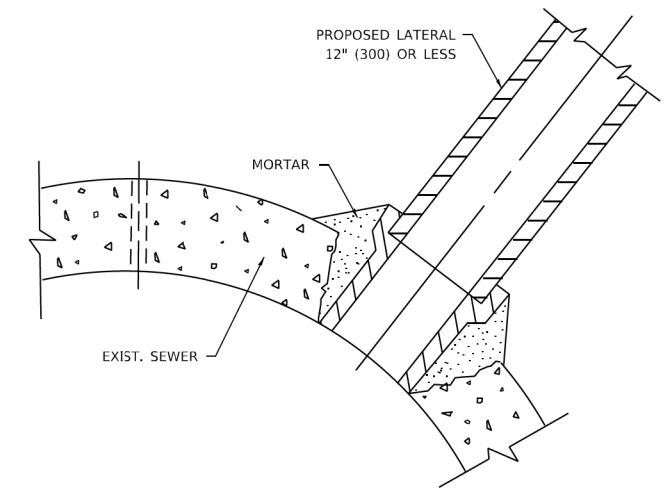
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**DETAIL "A"**  
 LATERAL CONNECTION TO EXISTING SEWER  
 OF 27" (675) OR SMALLER



**DETAIL "B"**  
 CLASS SI CONCRETE COLLAR



**DETAIL "C"**  
 PROPOSED LATERAL  
 CONNECTION TO EXISTING SEWER  
 OF 30" (750) OR LARGER

**CONSTRUCTION SEQUENCE**

- CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
- APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
- BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
- CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERANCE OF THE PIPE PLUS 3" (75) LONG.
- WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
- LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
- PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
- WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
- PLACE CLASS SI CONCRETE AROUND THE JOINT.

**NOTES:**

**MATERIAL**

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

**CONSTRUCTION METHODS**

- THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
  - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
  - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

**GENERAL**

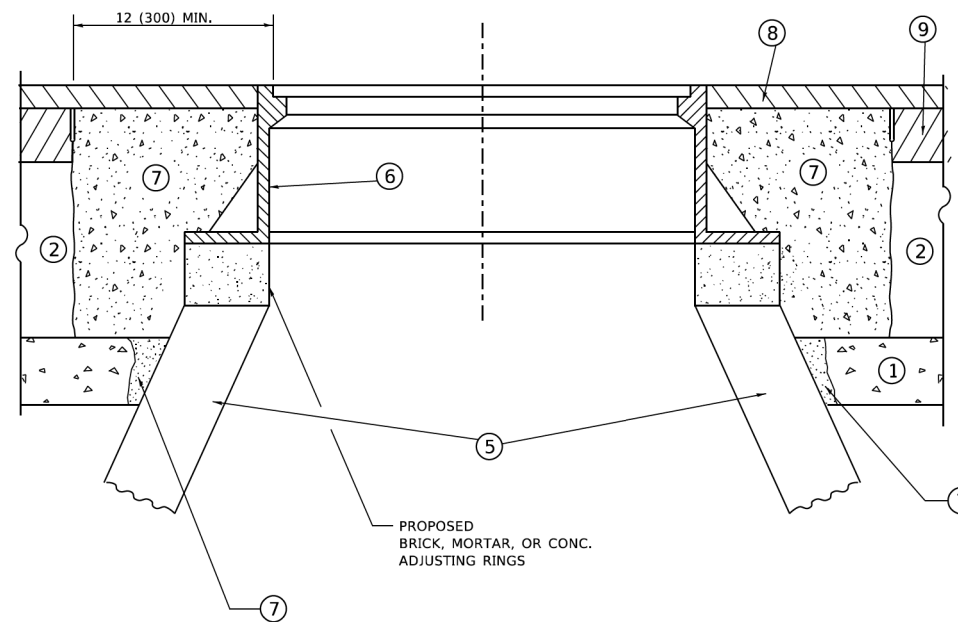
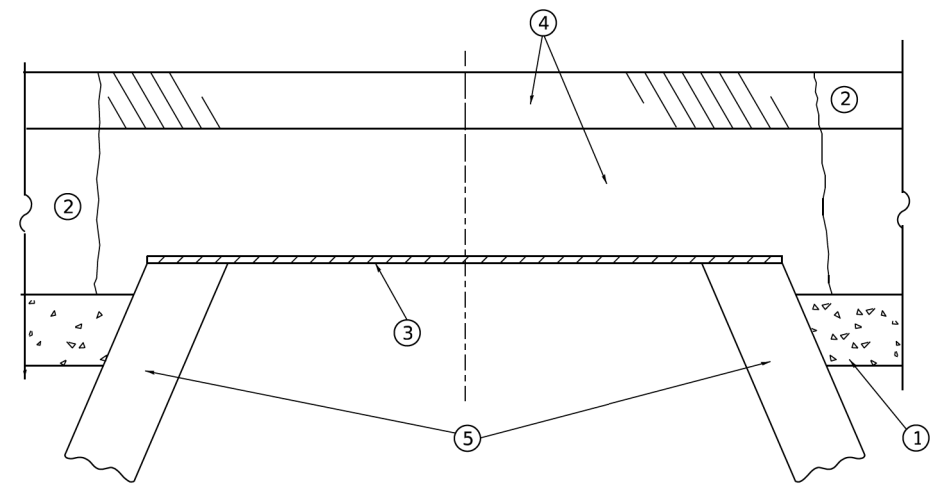
- CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.
- CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

**BASIS OF PAYMENT**

- TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.
- TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.
- CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

USER NAME = Lawrence,DeManche DESIGNED - M. DE YONG DRAWN - PLOT SCALE = 100.0000' / in. PLOT DATE = 11/18/2022	DESIGNED - M. DE YONG DRAWN -	REVISED - R. SHAH 09-09-94 REVISED - R. SHAH 10-25-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER	SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.	F.A. RTE. 2712 SECTION 17-00084-00-PV COUNTY COOK TOTAL SHEETS 89 SHEET NO. 45
	CHECKED - DATE - 07-25-90	REVISED - R. SHAH 06-12-96 REVISED - K. SMITH 11-18-22				CONTRACT NO. 61J83 ILLINOIS FED. AID PROJECT



**DETAILS FOR FRAMES AND LIDS ADJUSTMENT  
WITH MILLING**

**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 1 1/2 (40) HMA TO REMAIN AFTER MILLING).

**STAGE 2 (AFTER PAVEMENT MILLING)**

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS\*PP-1 CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

\* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

**LEGEND**

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

**LOCATION OF STRUCTURES**

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

**BASIS OF PAYMENT**

- 1. REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
- 2. THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
- 3. NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
- 4. WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

**NOTES**

- 1. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- 2. IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.
- 3. CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
- 4. THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

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USER NAME = Lawrence,DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07
	DRAWN -	REVISED - R. BORO 03-09-11
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 12-06-11
PLOT DATE = 11/18/2022	DATE - 10-25-94	REVISED - K. SMITH 11-18-22

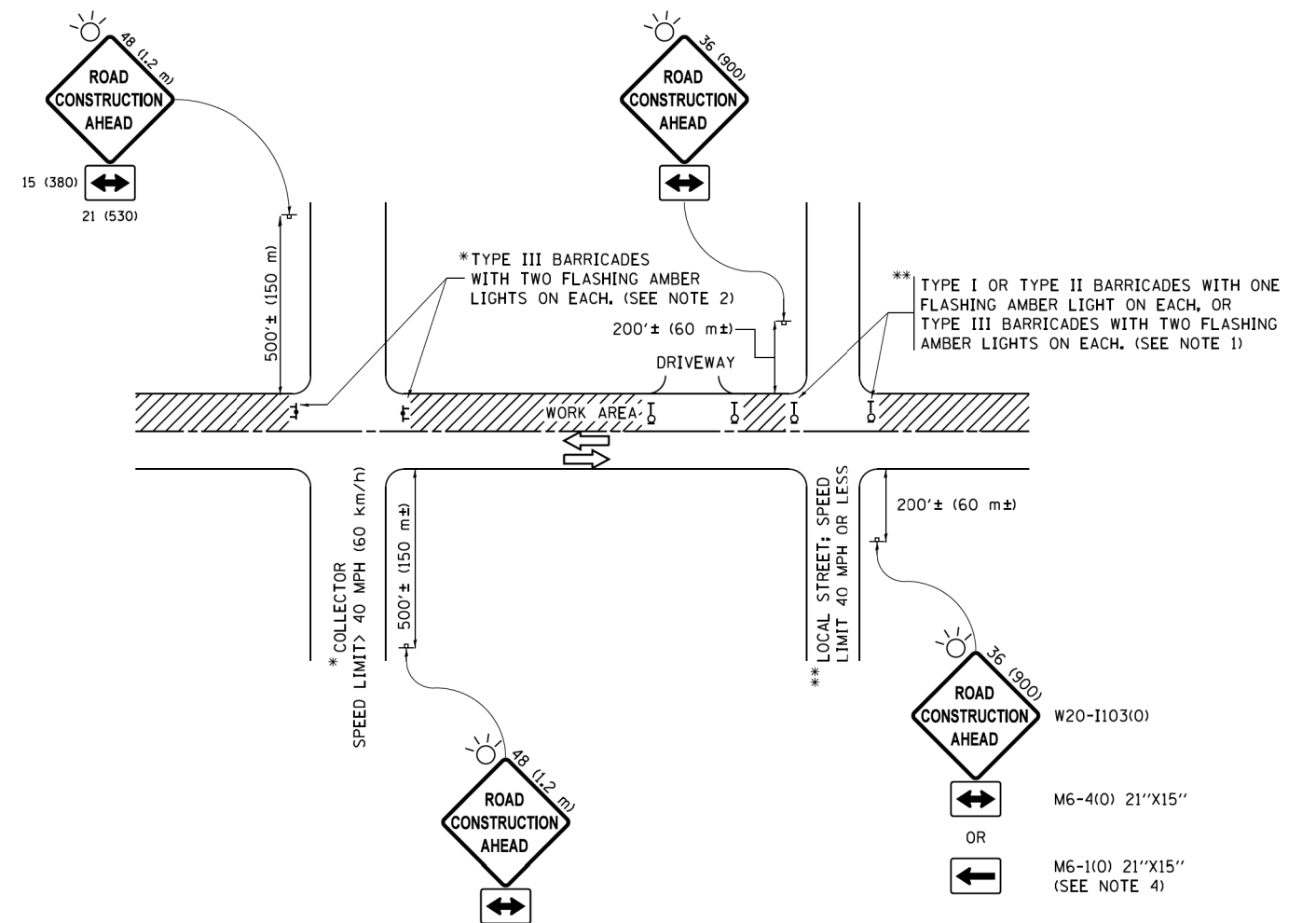
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR  
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	46
BD600-03 (BD-08)			CONTRACT NO. 61J83	
ILLINOIS FED. AID PROJECT				





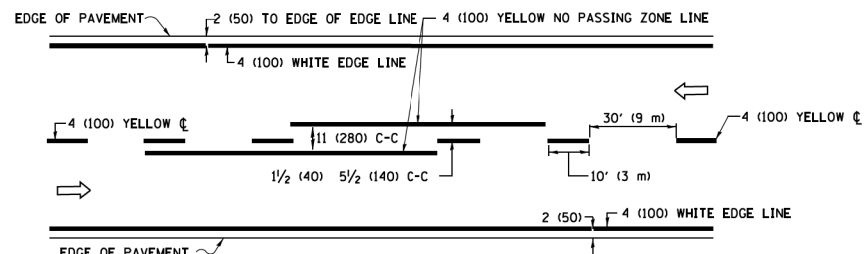
**NOTES:**

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

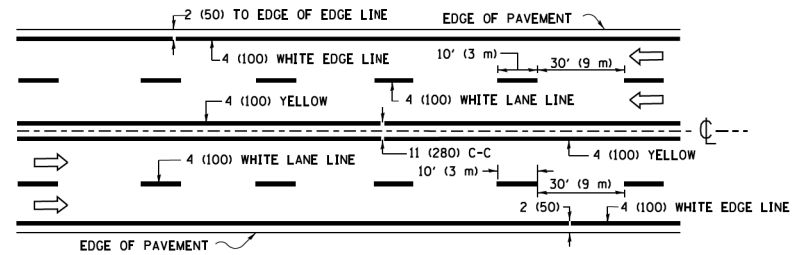
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\1\084E8ID\INTEG\illinois.gov\FWIDOT\Documents\IDOT Offices\District 1\Projects\Dist 1\CADD\sets\CAD\sheets\to1.dgn	DRAWN	CHECKED -	REVISED - T. RAMMACHER 01-06-00			2712	17-00084-00-PV	COOK	89	48
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	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16			SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	

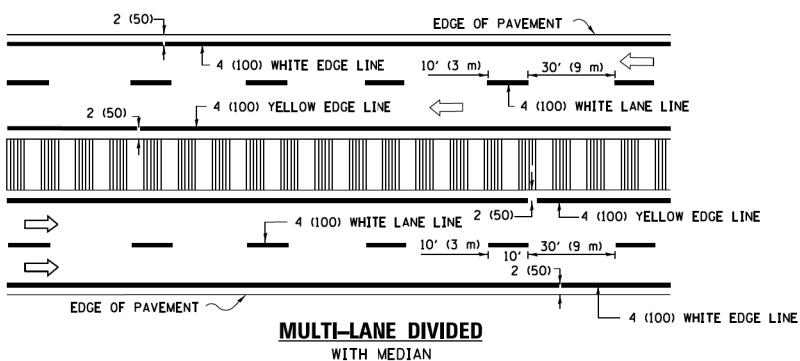




**2-LANE ROADWAY**

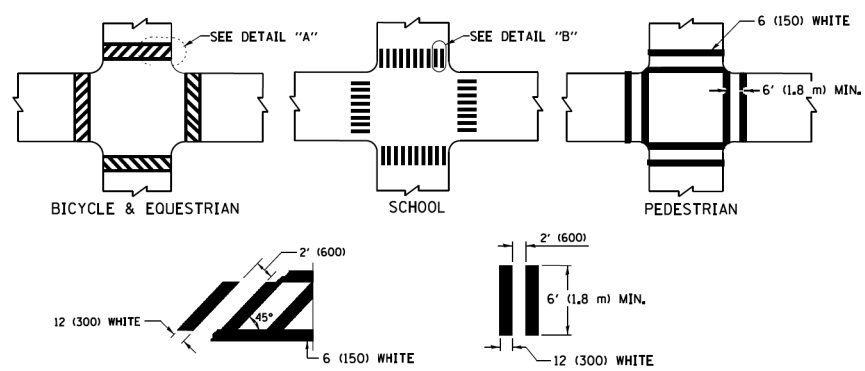


**MULTI-LANE UNDIVIDED**



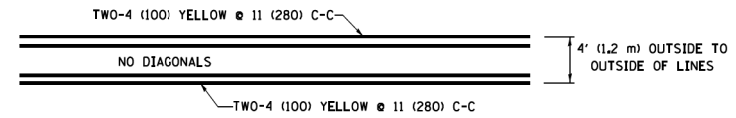
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

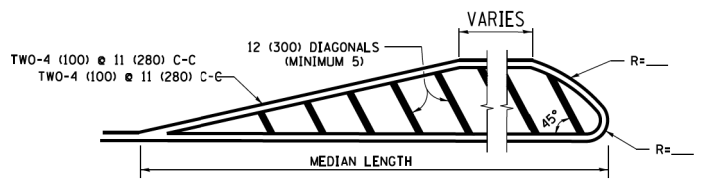


**TYPICAL CROSSWALK MARKING**

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

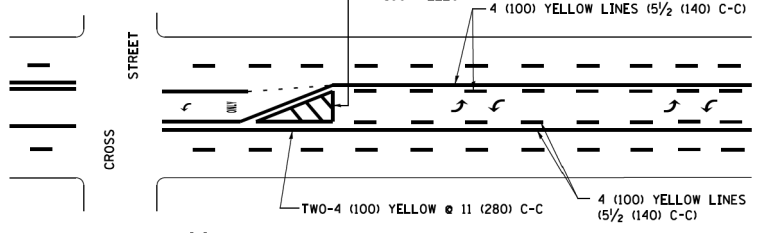


**4' (1.2 m) WIDE MEDIANS ONLY**

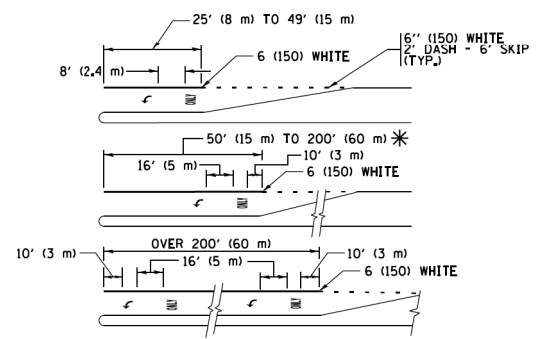


**MEDIANS OVER 4' (1.2 m) WIDE**

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

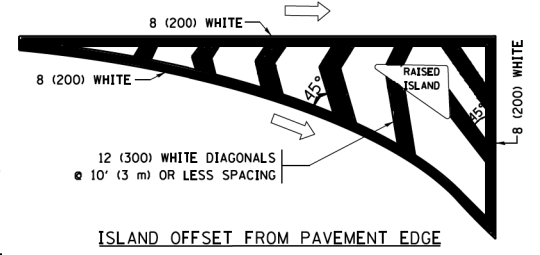


**MEDIAN WITH TWO-WAY LEFT TURN LANE  
TYPICAL PAINTED MEDIAN MARKING**

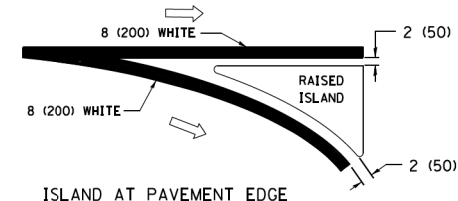


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

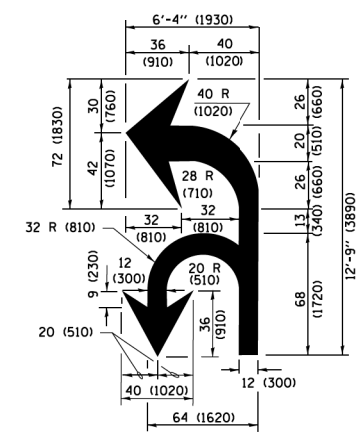
**TYPICAL LEFT (OR RIGHT) TURN LANE  
TYPICAL TURN LANE MARKING**



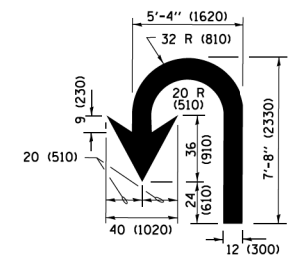
**ISLAND OFFSET FROM PAVEMENT EDGE**



**ISLAND AT PAVEMENT EDGE  
TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

**LANE REDUCTION TRANSITION**

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

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

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

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

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

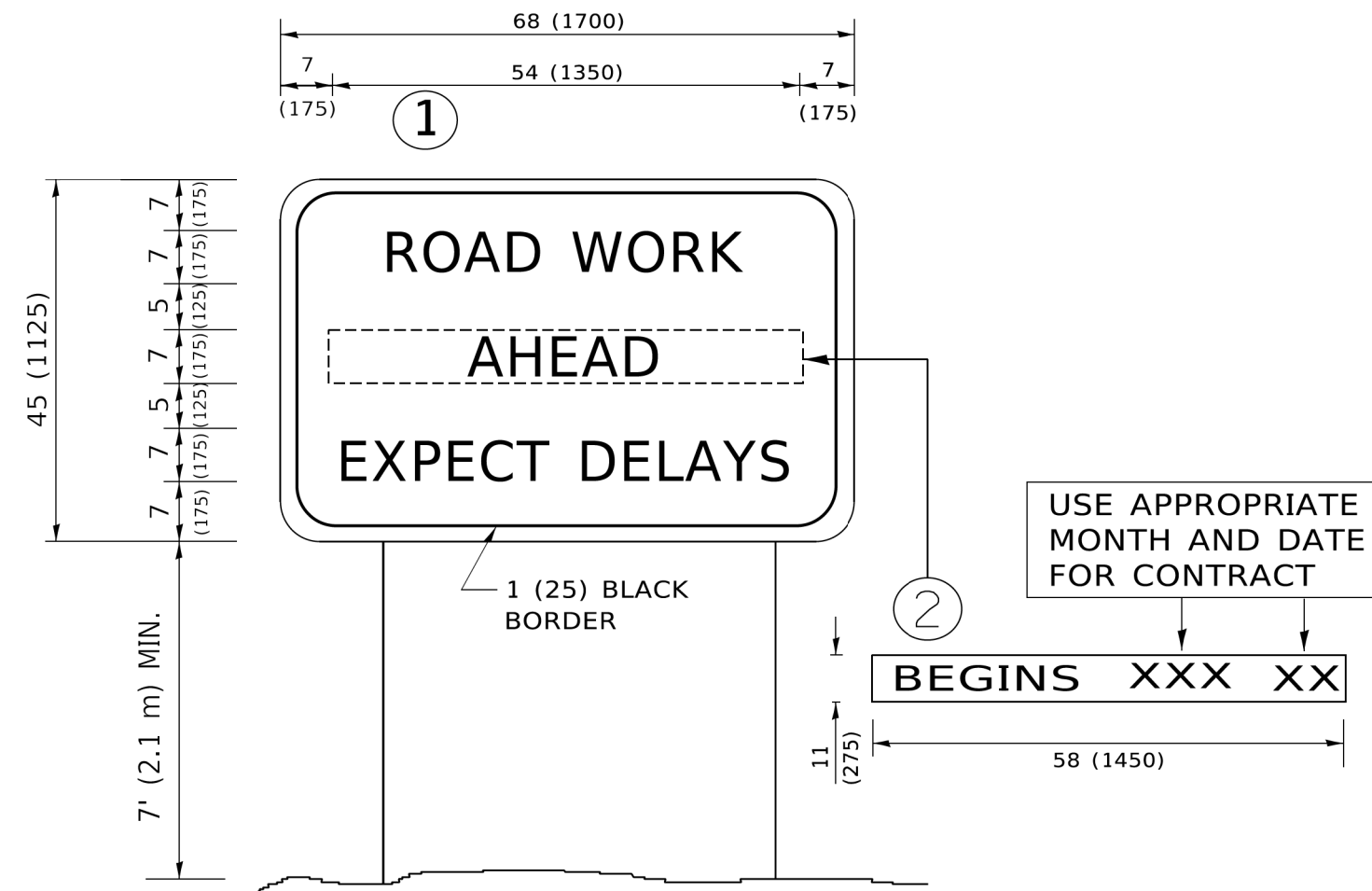
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	PLOT DATE = 6/23/2017	CHECKED -	REVISED - C. JUCIUS 12-21-15
		DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS**

SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	49
TC-13		CONTRACT NO.	61J83	
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

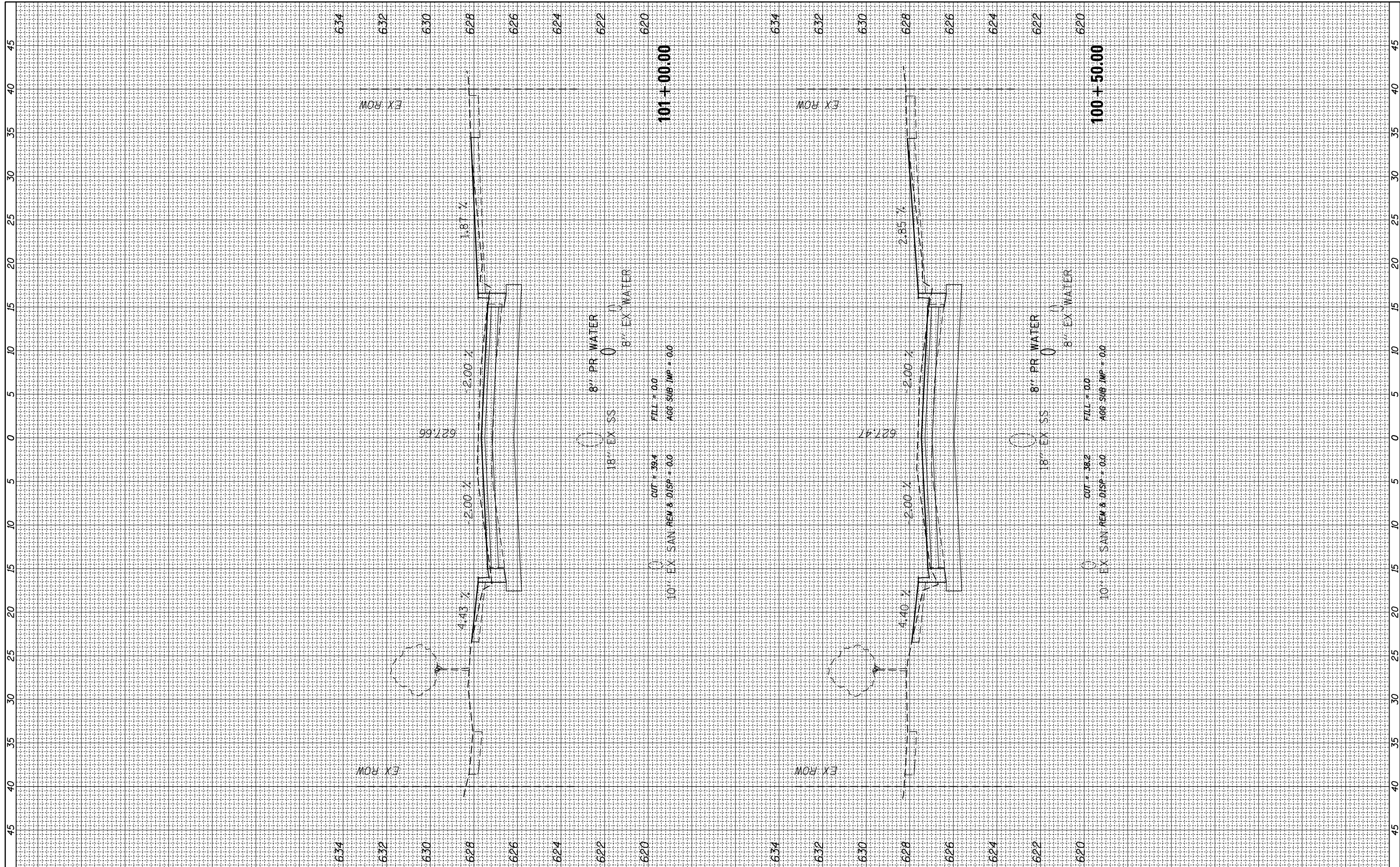
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: Default; FILE: \\miller.pva\ill0848E\BID\ITEG\Illinois.gov\PIV\DOT\Documents\DOT\_Offices\District\_1\Projects\Sub\17-00084\CAD\Sheet\TC22.dgn

USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ARTERIAL ROAD INFORMATION SIGN</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED - R. MIRS 12-11-97		2712	17-00084-00-PV	COOK	89	50		
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99		<b>TC-22</b>		CONTRACT NO. 61J83				
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07		SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		



FILE NAME = N:\WESTCHESTER\120326\120326.00026A\Civi1\XS\_120326-26A.sht  
 USER NAME = jjezierny  
 PLOT SCALE = 18"  
 PLOT DATE = 9/1/2023

DESIGNED -	REVISIED -
DRAWN -	REVISIED -
CHECKED -	REVISIED -
DATE -	REVISIED -

CUT = 39.4	FILL = 0.0
10' EX SAN REM & DISP = 0.0	AGG SUB IMP = 0.0

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

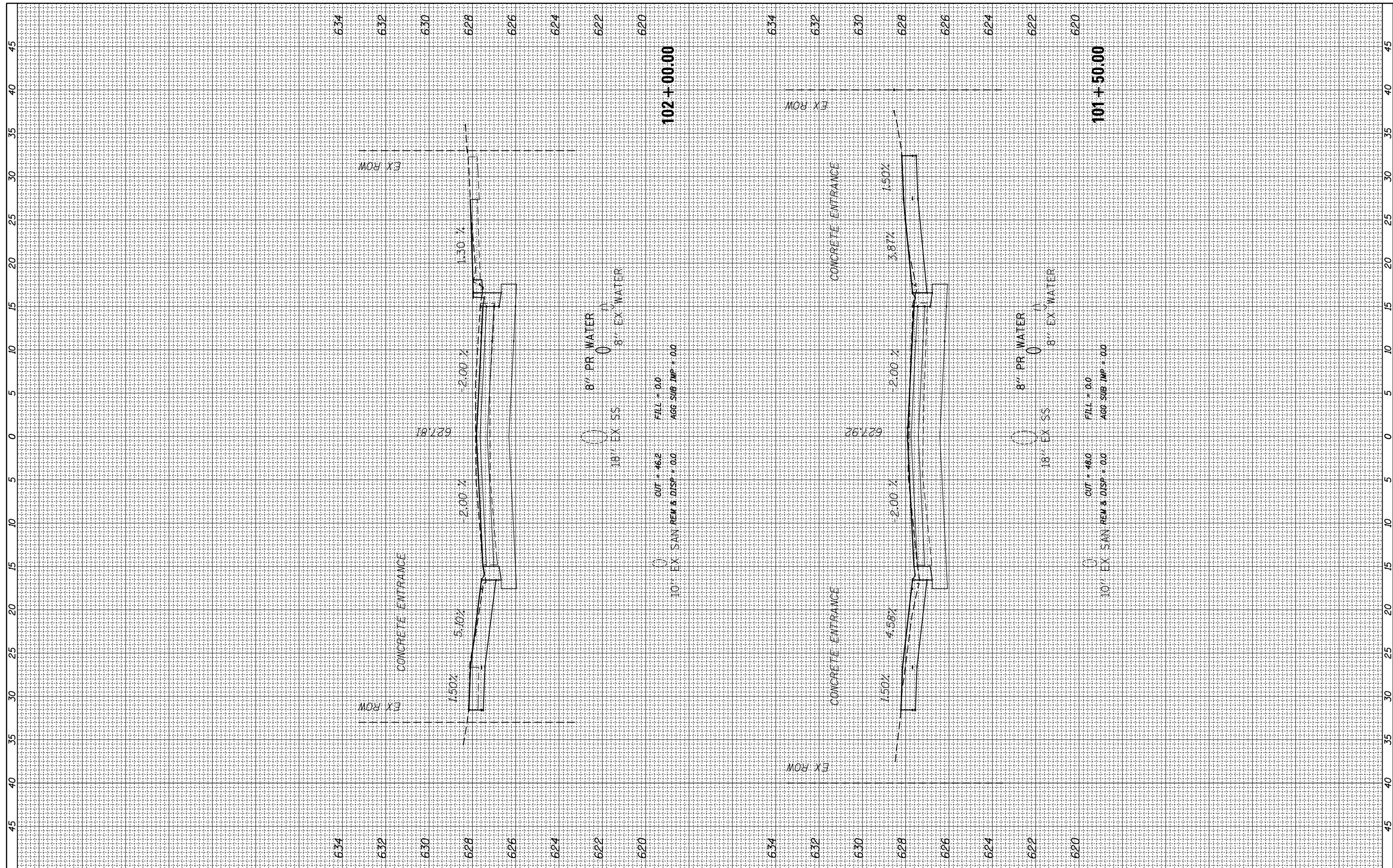
**BALMORAL AVE**

SCALE: SHEET OF SHEETS STA. 100+50.00 TO STA. 101+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	51
CONTRACT NO.			61J83	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = N:\WESTCHESTER\120326\120326.00026A\Civi1\XS\_120326-26A.sht  
 Default

USER NAME = jjezierny  
 PLOT SCALE = 18"  
 PLOT DATE = 9/1/2023

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. 101+50.00 TO STA. 102+00.00

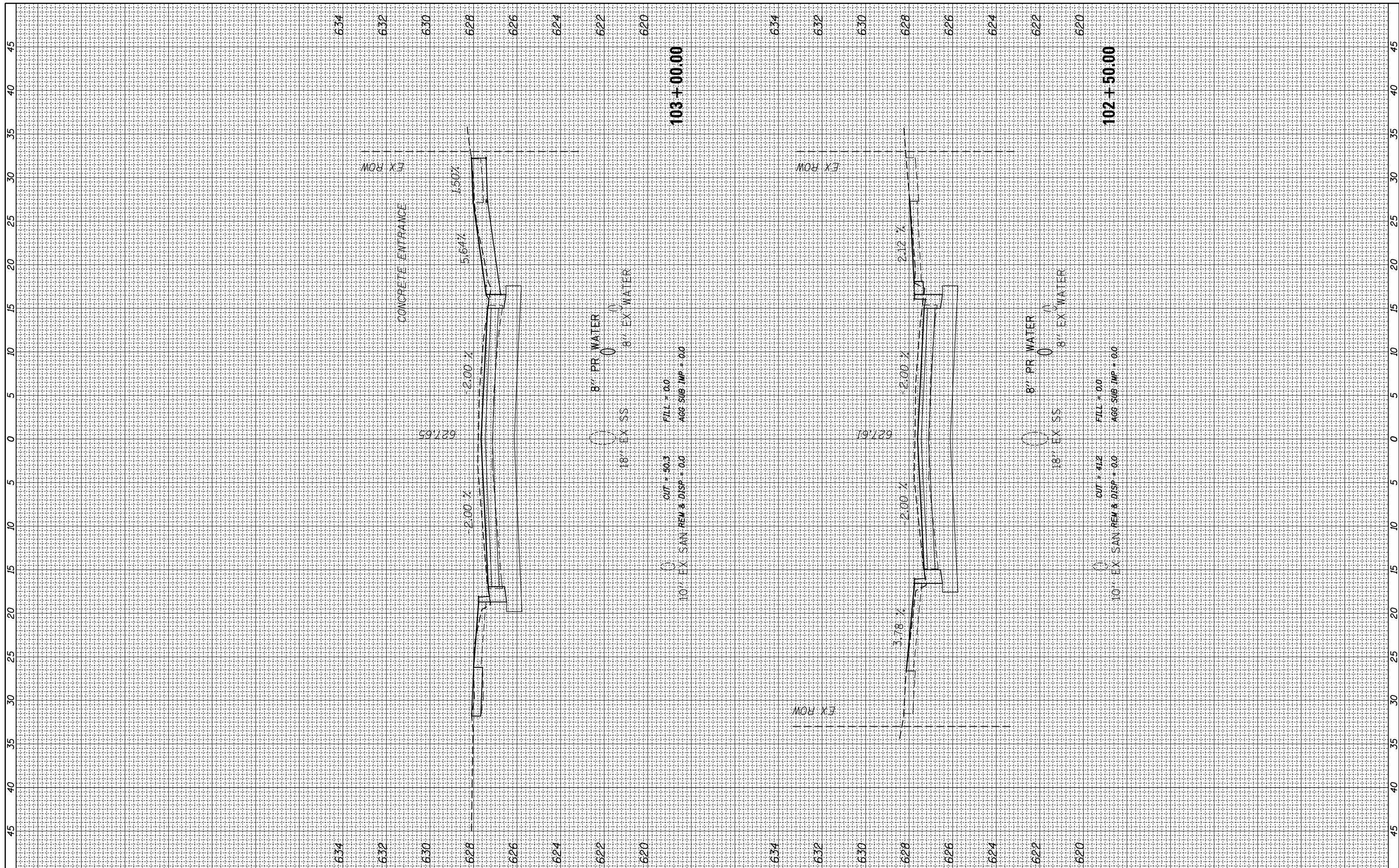
**BALMORAL AVE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	52
CONTRACT NO.			61J83	

ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED	DATE
NOTE BOOK NO.	TEMPLATE AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED PLOTTED	DATE
	TEMPLATE AREAS CHECKED	

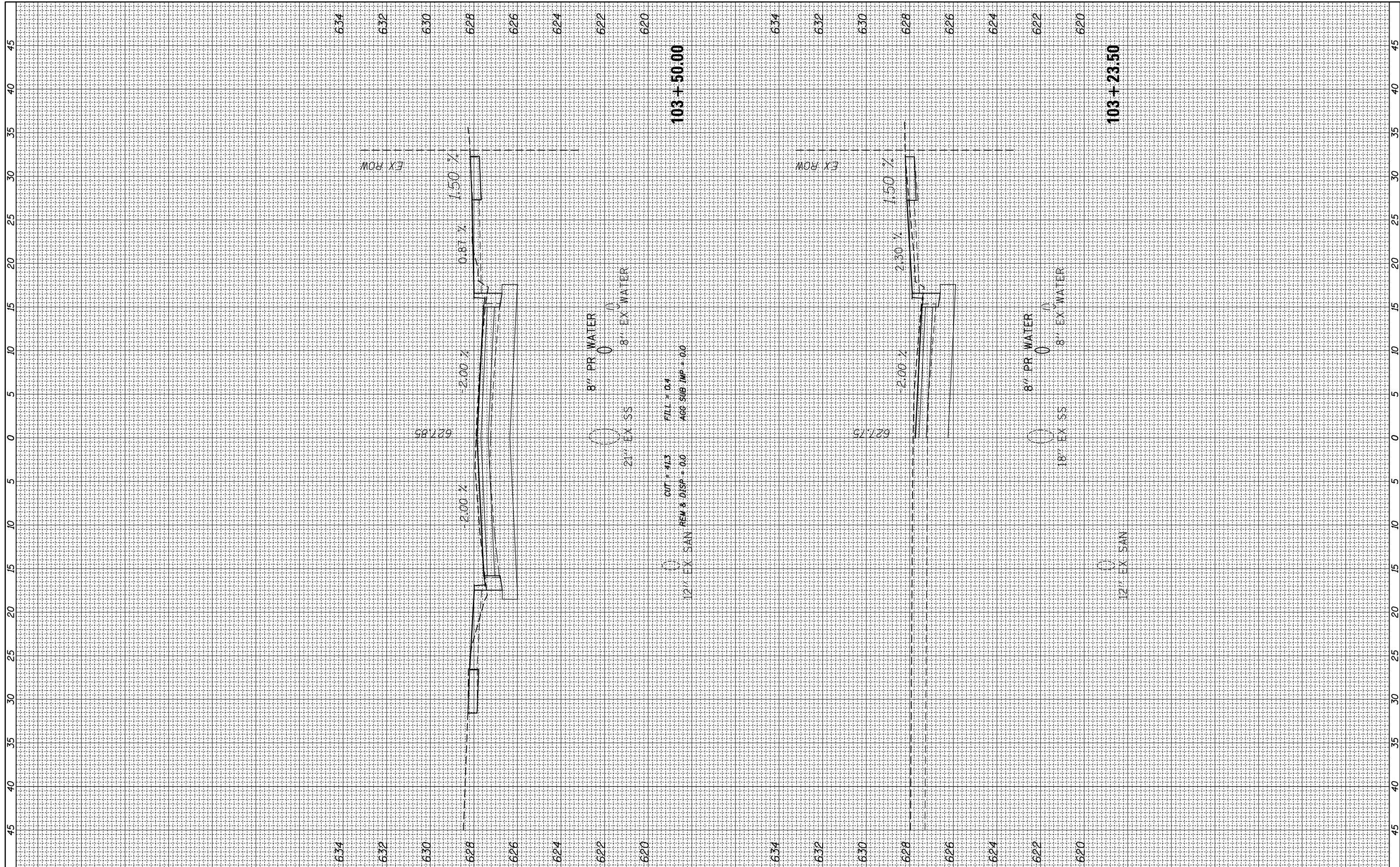


FILE NAME =	USER NAME = jjezierny	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BALMORAL AVE</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\WESTCHESTER\120326\120326.00026A\Civi1\XS_120326-26A.sht		DRAWN -	REVISED -		2712	17-00084-00-PV	COOK	89	53			
Default	PLOT SCALE = 18'	CHECKED -	REVISED -		CONTRACT NO. 61J83			ILLINOIS FED. AID PROJECT				
	PLOT DATE = 9/1/2023	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA. 102+50.00	TO STA. 103+00.00		



FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = N:\WESTCHESTER\120326\120326.00026A\Civi1\XS\_120326-26A.sht  
 PLOT SCALE = 18"  
 PLOT DATE = 9/1/2023

USER NAME = jjezierny  
 DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. 103+23.50 TO STA. 103+50.00

**BALMORAL AVE**

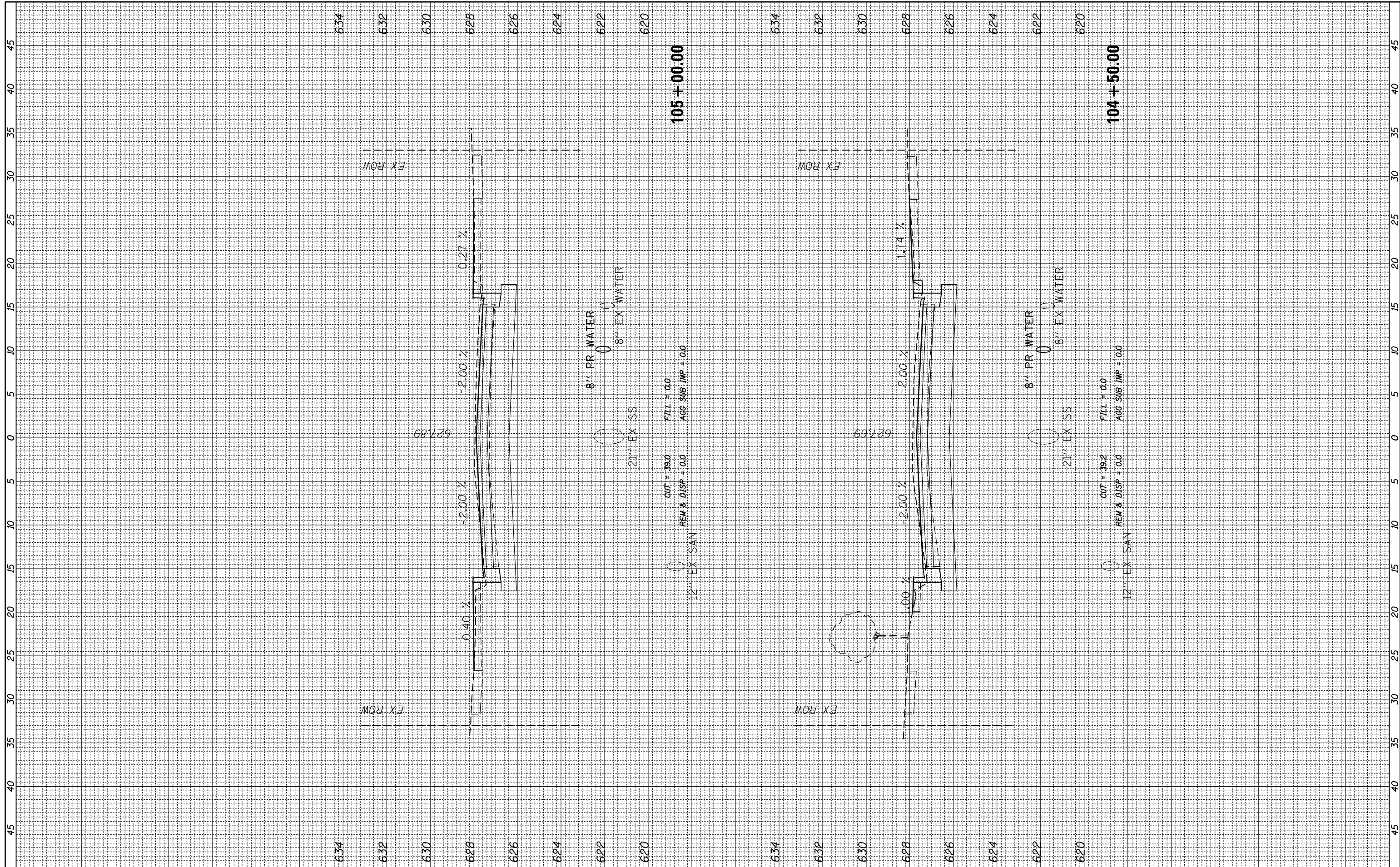
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	54
CONTRACT NO.			61J83	
ILLINOIS FED. AID PROJECT				





FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = N:\WESTCHESTER\120326\120326.00026A\Civi1\XS\_120326-26A.sht  
 Default

USER NAME = jjezierny  
 PLOT SCALE = 18"  
 PLOT DATE = 9/1/2023

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BALMORAL AVE**

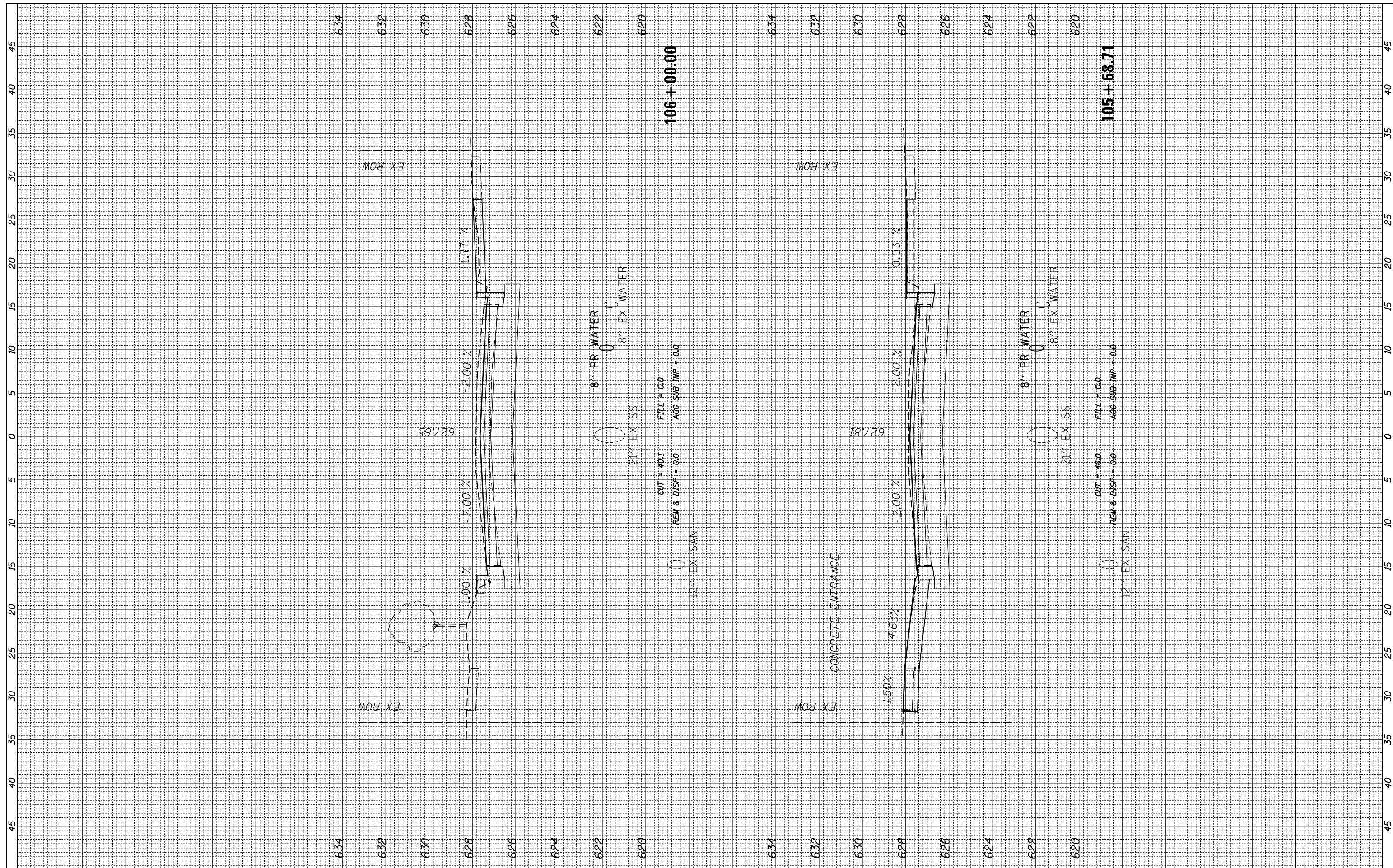
SCALE: SHEET OF SHEETS STA. 104+50.00 TO STA. 105+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	56
CONTRACT NO.			61J83	
ILLINOIS FED. AID PROJECT				



BY	DATE

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		
	AREAS CHECKED		



FILE NAME = N:\WESTCHESTER\120326\120326.00026A\Civi1\XS\_10326-26A.sht  
 USER NAME = jjezierny  
 PLOT SCALE = 18"  
 PLOT DATE = 9/1/2023

DESIGNED -	REVISIED -
DRAWN -	REVISIED -
CHECKED -	REVISIED -
DATE -	REVISIED -

CUT = 40.1	FILL = 0.0
REM & DISP = 0.0	AGG SUB IMP = 0.0

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET	OF	SHEETS	STA. 105+68.71	TO STA. 106+00.00
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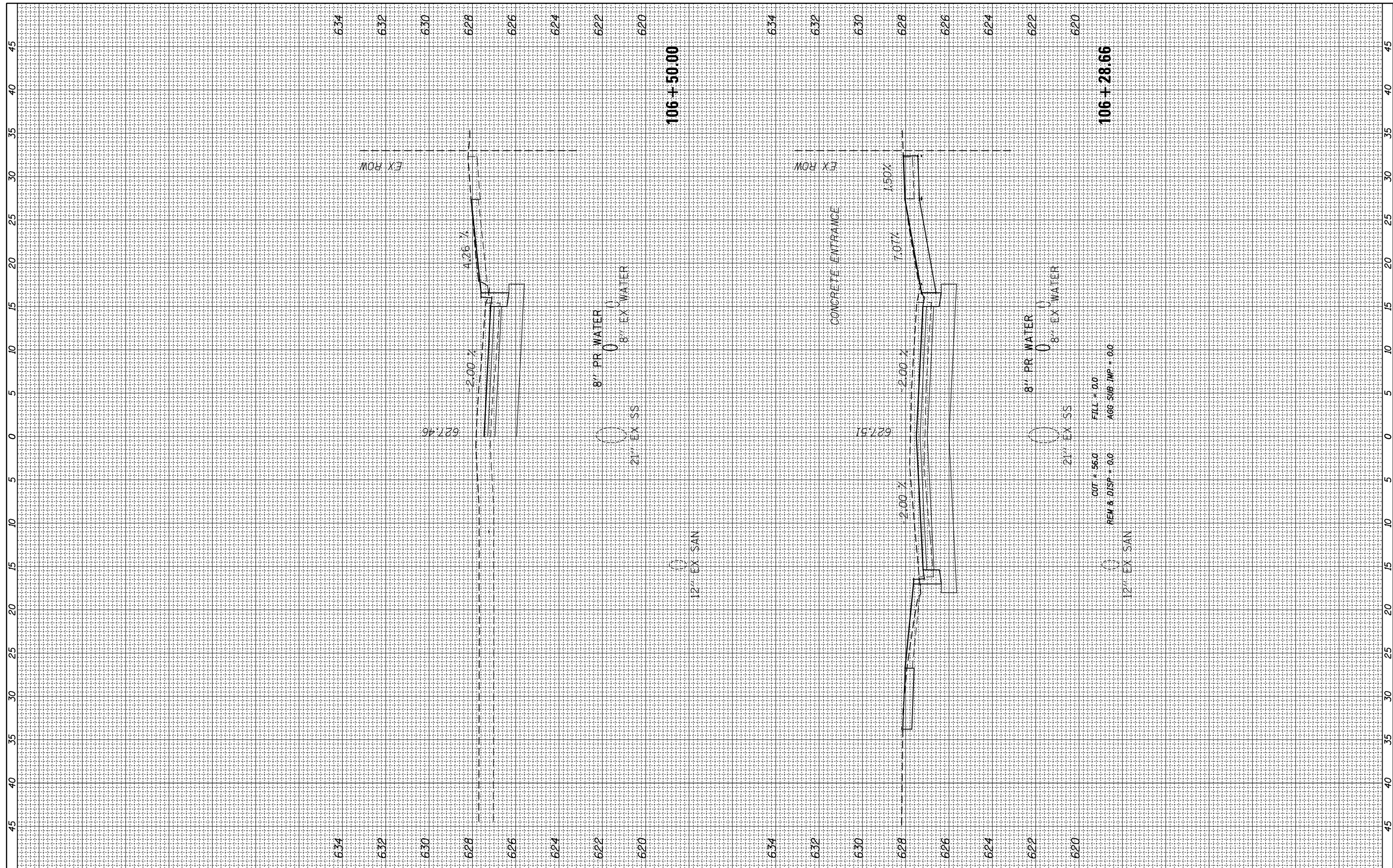
**BALMORAL AVE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	58
CONTRACT NO.			61J83	
ILLINOIS FED. AID PROJECT				



BY	DATE

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS	
	CHECKED	



FILE NAME = N:\WESTCHESTER\120326\120326.00026A\Civi1\XS\_120326-26A.sht  
 USER NAME = jjezierny  
 PLOT SCALE = 18"  
 PLOT DATE = 9/1/2023

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

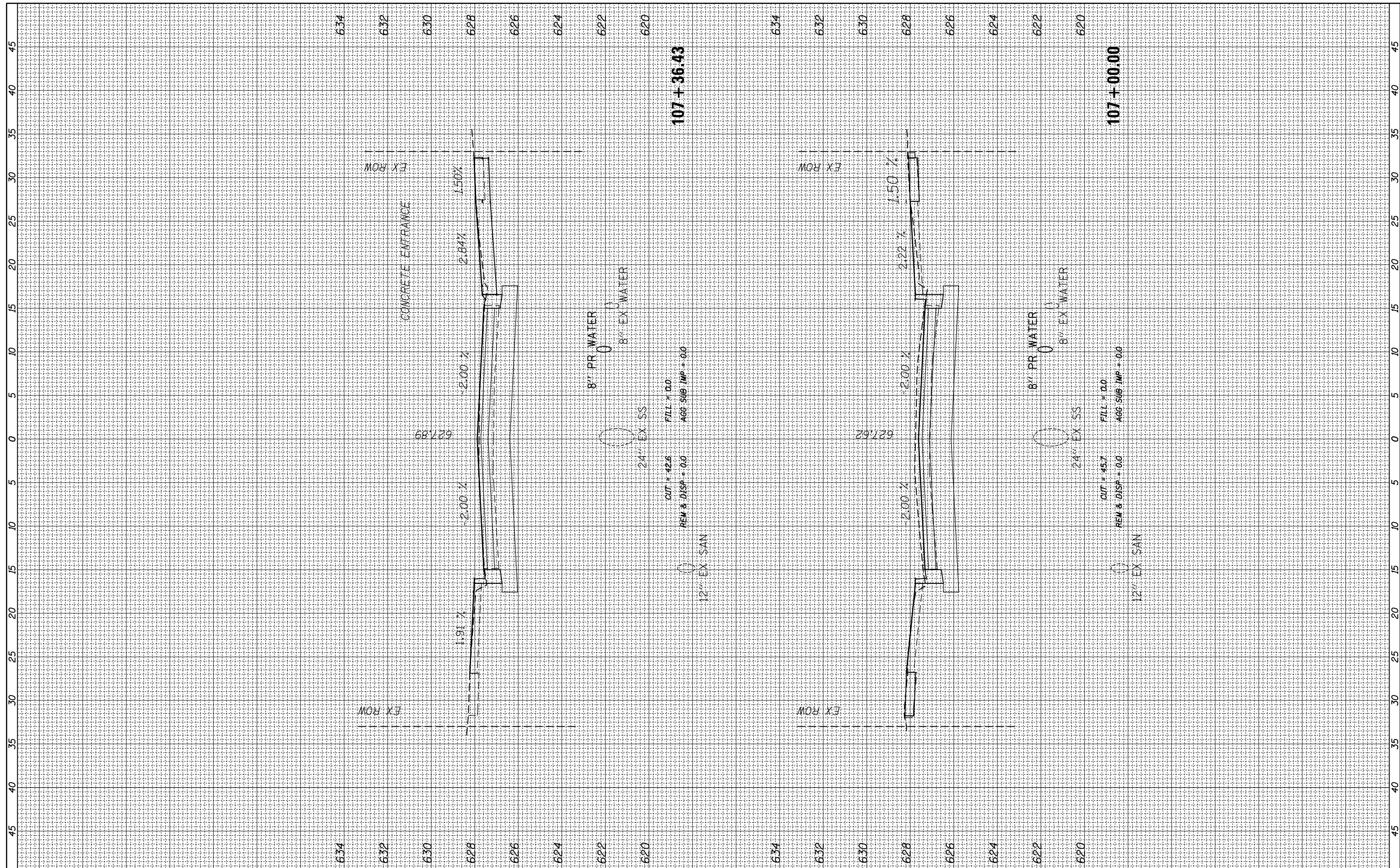
SCALE: SHEET OF SHEETS STA. 106+28.66 TO STA. 106+50.00

**BALMORAL AVE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	59
CONTRACT NO.			61J83	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = N:\WESTCHESTER\120326\120326.00026A\Civi1\XS\_120326-26A.sht

USER NAME = jjezierny  
 PLOT SCALE = 18"  
 PLOT DATE = 9/1/2023

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BALMORAL AVE**

SCALE: SHEET OF SHEETS STA. 107+00.00 TO STA. 107+36.43

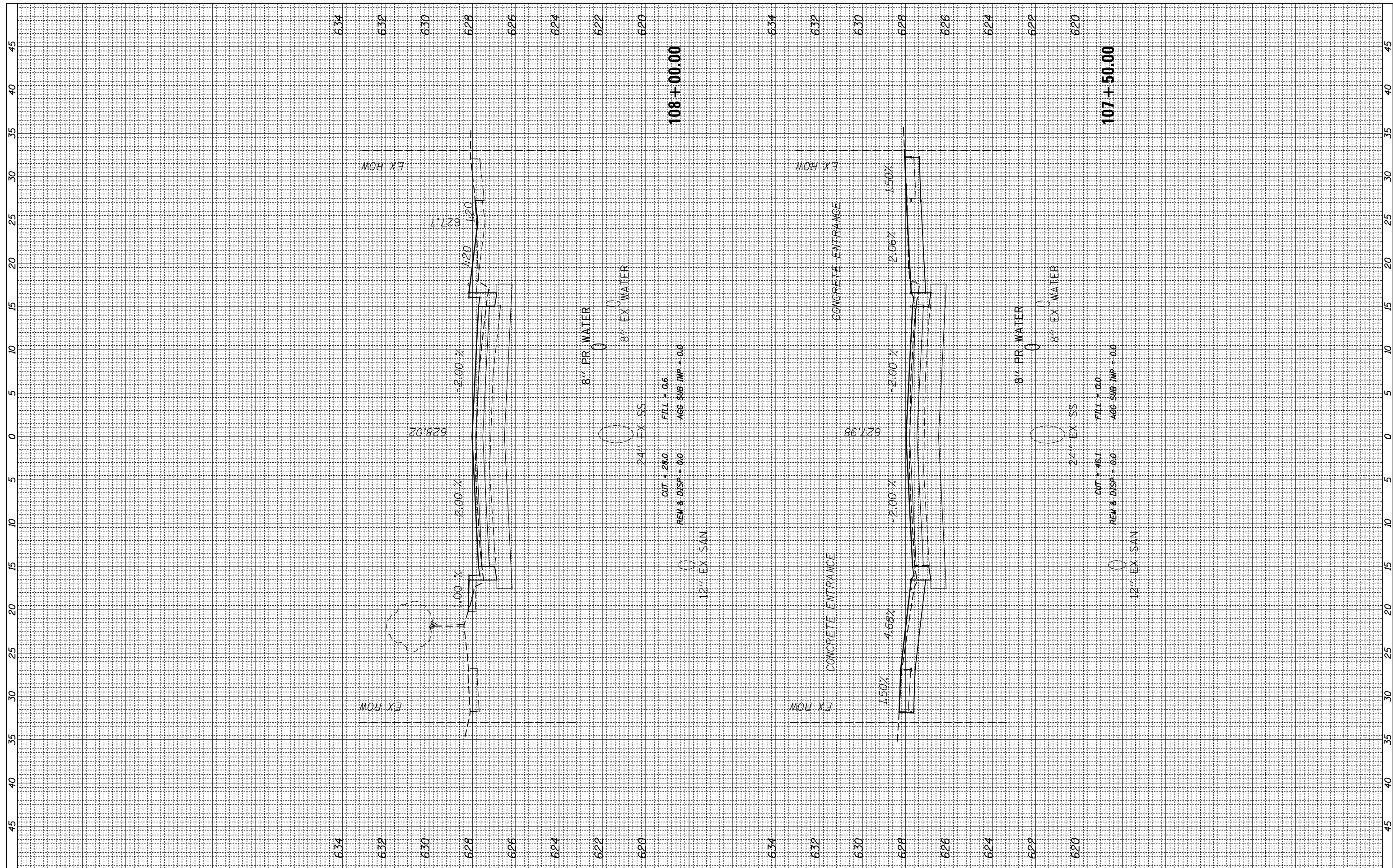
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	60
CONTRACT NO.			61J83	

ILLINOIS FED. AID PROJECT



FINAL SURVEY NO.	SURVEYED PLOTTED	BY	DATE
NOTE BOOK NO.	TEMPLATE AREAS CHECKED		
	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED PLOTTED	BY	DATE
NOTE BOOK NO.	TEMPLATE AREAS CHECKED		
	AREAS CHECKED		



FILE NAME = N:\WESTCHESTER\120326\120326.00026A\Civi1\XS\_120326-26A.sht  
 USER NAME = jjezierny  
 PLOT SCALE = 18'  
 PLOT DATE = 9/1/2023

DESIGNED -	REVISIED -
DRAWN -	REVISIED -
CHECKED -	REVISIED -
DATE -	REVISIED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

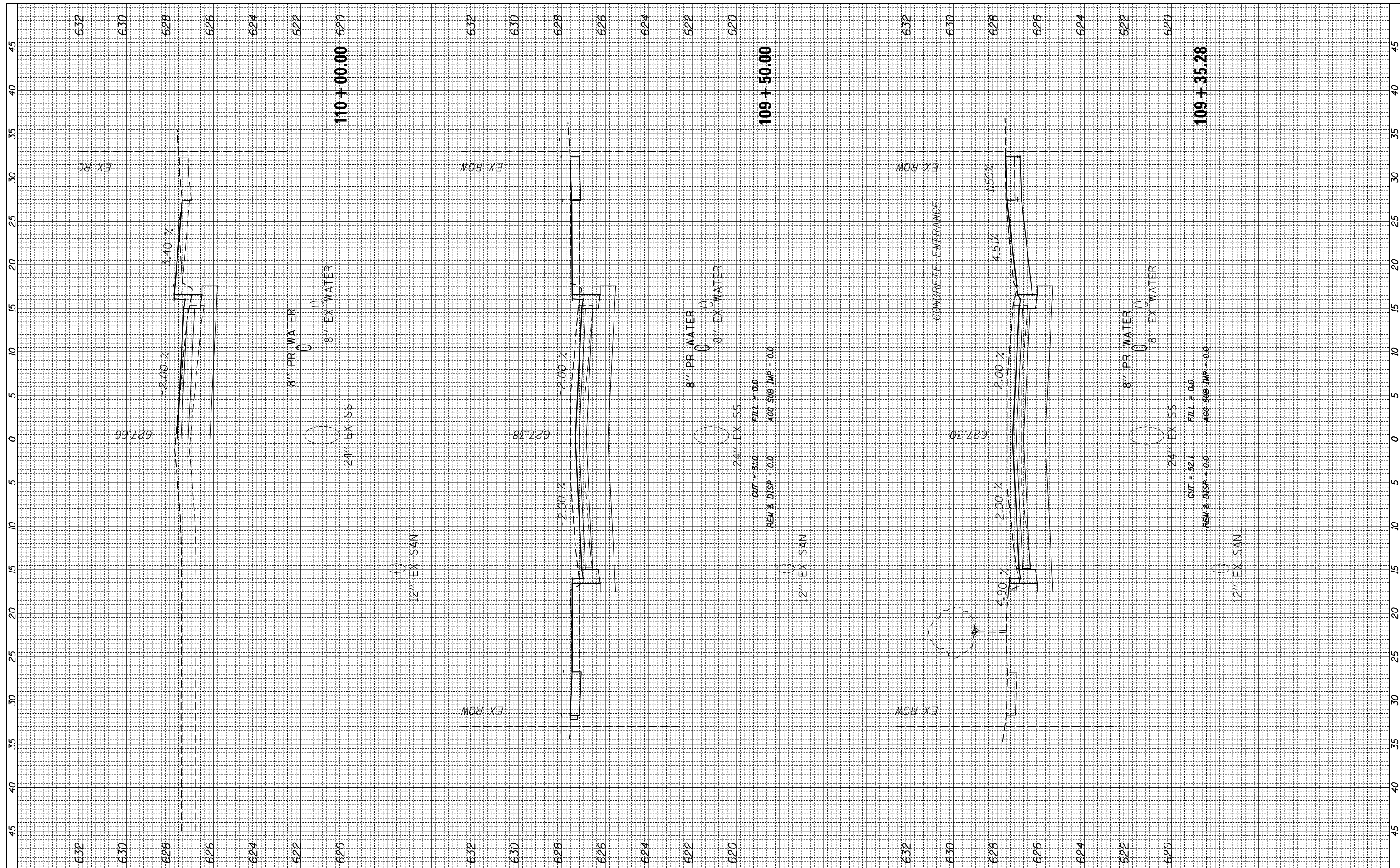
**BALMORAL AVE**  
 SCALE: SHEET OF SHEETS STA. 107+50.00 TO STA. 108+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	61
CONTRACT NO.			61J83	
ILLINOIS FED. AID PROJECT				



FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = N:\WESTCHESTER\120326\120326.00026A\Civi1\XS\_120326-26A.sht  
 USER NAME = jjezierny  
 PLOT SCALE = 18"  
 PLOT DATE = 9/1/2023

DESIGNED -	REVISIED -
DRAWN -	REVISIED -
CHECKED -	REVISIED -
DATE -	REVISIED -

REVISIED -	REVISIED -
REVISIED -	REVISIED -
REVISIED -	REVISIED -
REVISIED -	REVISIED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

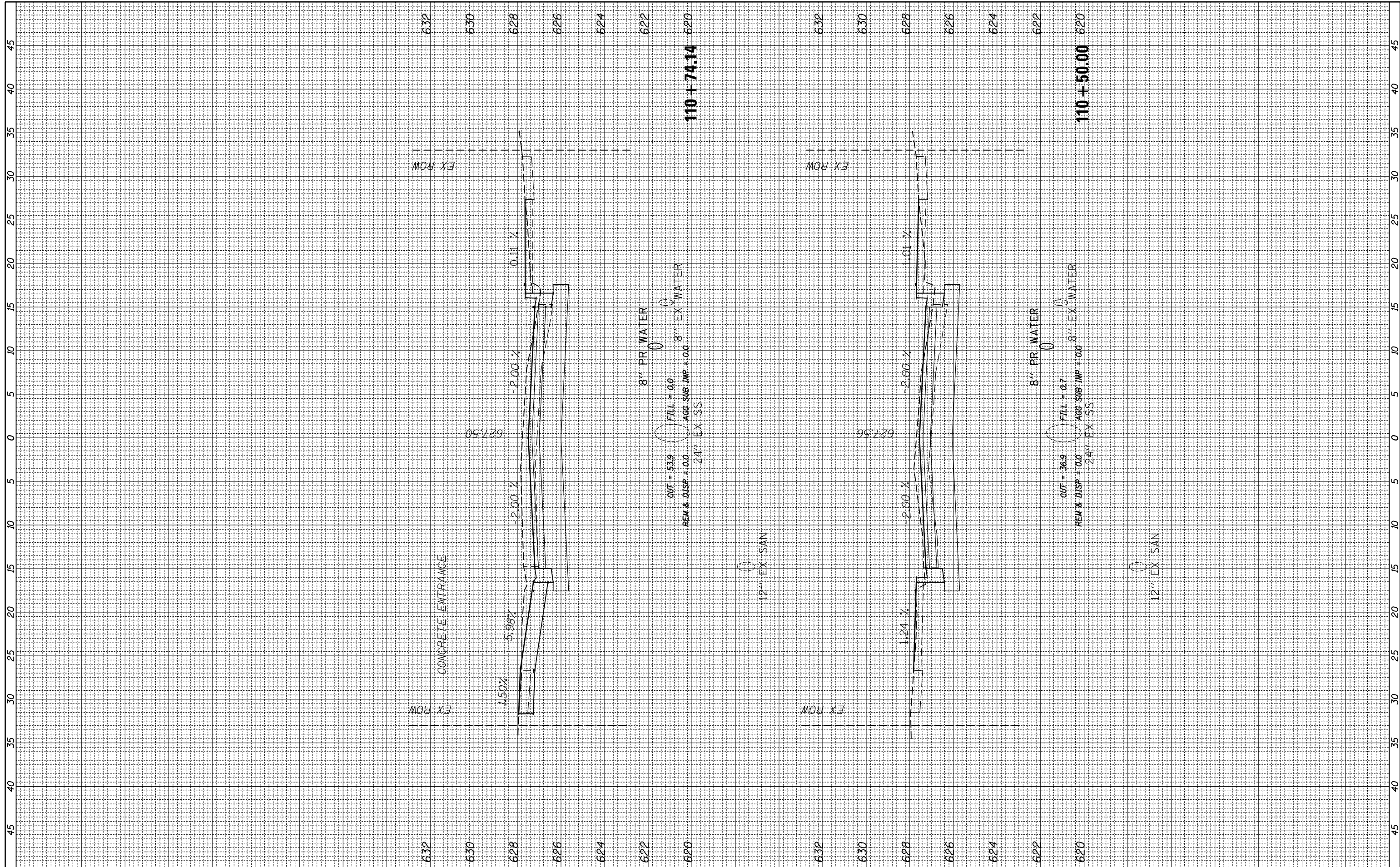
**BALMORAL AVE**

SCALE: SHEET OF SHEETS STA. 109+35.28 TO STA. 110+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	63
CONTRACT NO.			61J83	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

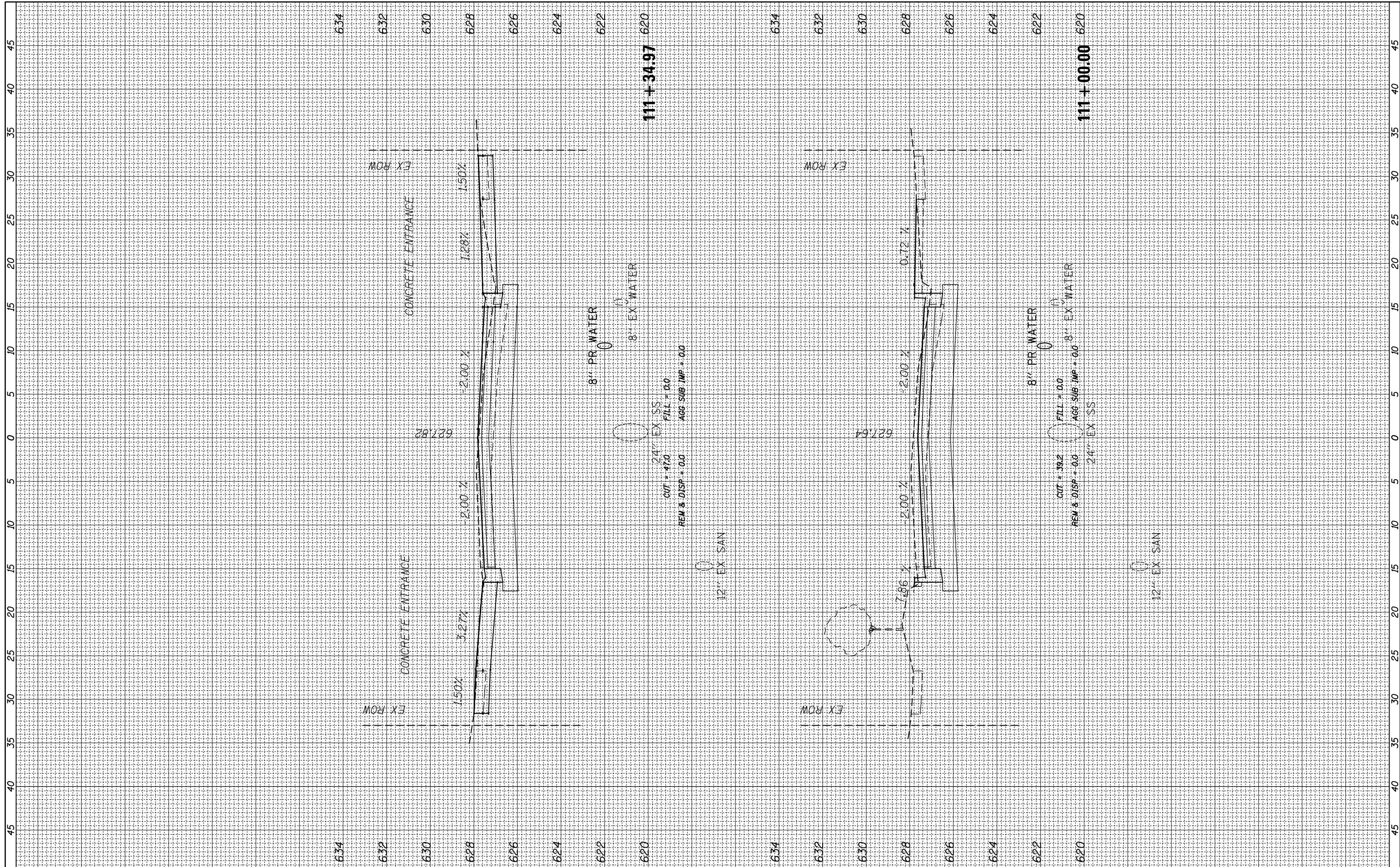


FILE NAME =	USER NAME = jjezierny	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BALMORAL AVE</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
N:\WESTCHESTER\120326\120326.00026A\Civi1\XS_120326-26A.sht		DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA. 110+50.00	TO STA. 110+74.14	2712	17-00084-00-PV	COOK	89	64
Default	PLOT SCALE = 10'	CHECKED -	REVISED -										CONTRACT NO.	61J83	
	PLOT DATE = 9/1/2023	DATE -	REVISED -										ILLINOIS FED. AID PROJECT		



FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = N:\WESTCHESTER\120326\120326.00026A\Civi1\XS\_120326-26A.sht  
 USER NAME = jjezierny  
 PLOT SCALE = 18"  
 PLOT DATE = 9/1/2023

DESIGNED -	REVISIED -
DRAWN -	REVISIED -
CHECKED -	REVISIED -
DATE -	REVISIED -

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

**BALMORAL AVE**  
 SCALE: SHEET OF SHEETS STA. 111+00.00 TO STA. 111+34.97

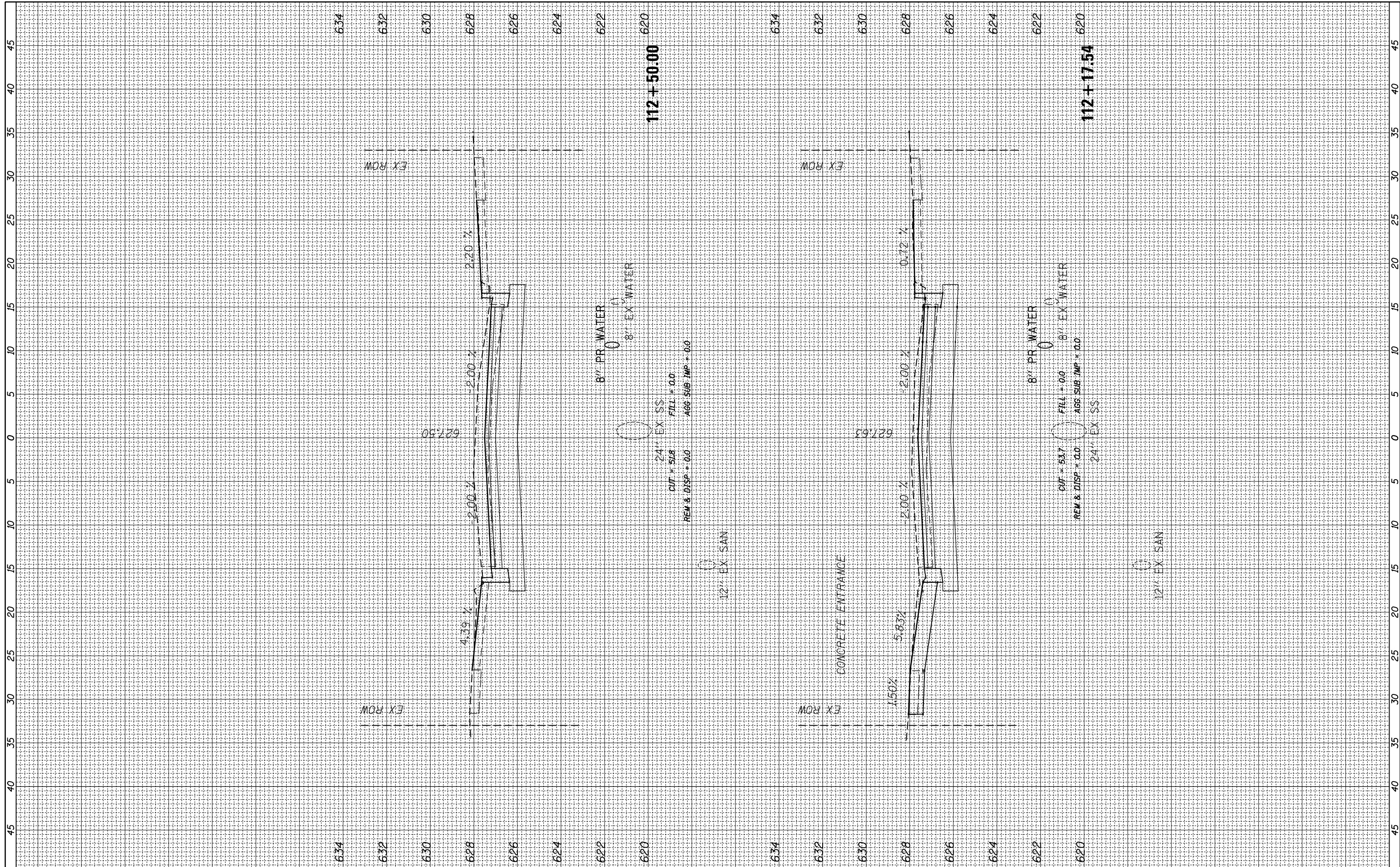
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	65
CONTRACT NO.			61J83	
ILLINOIS FED. AID PROJECT				





FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = N:\WESTCHESTER\120326\120326.00026A\Civi1\XS\_120326-26A.sht  
 Default

USER NAME = jjezierny  
 PLOT SCALE = 18"  
 PLOT DATE = 9/1/2023

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. 112+17.54 TO STA. 112+50.00

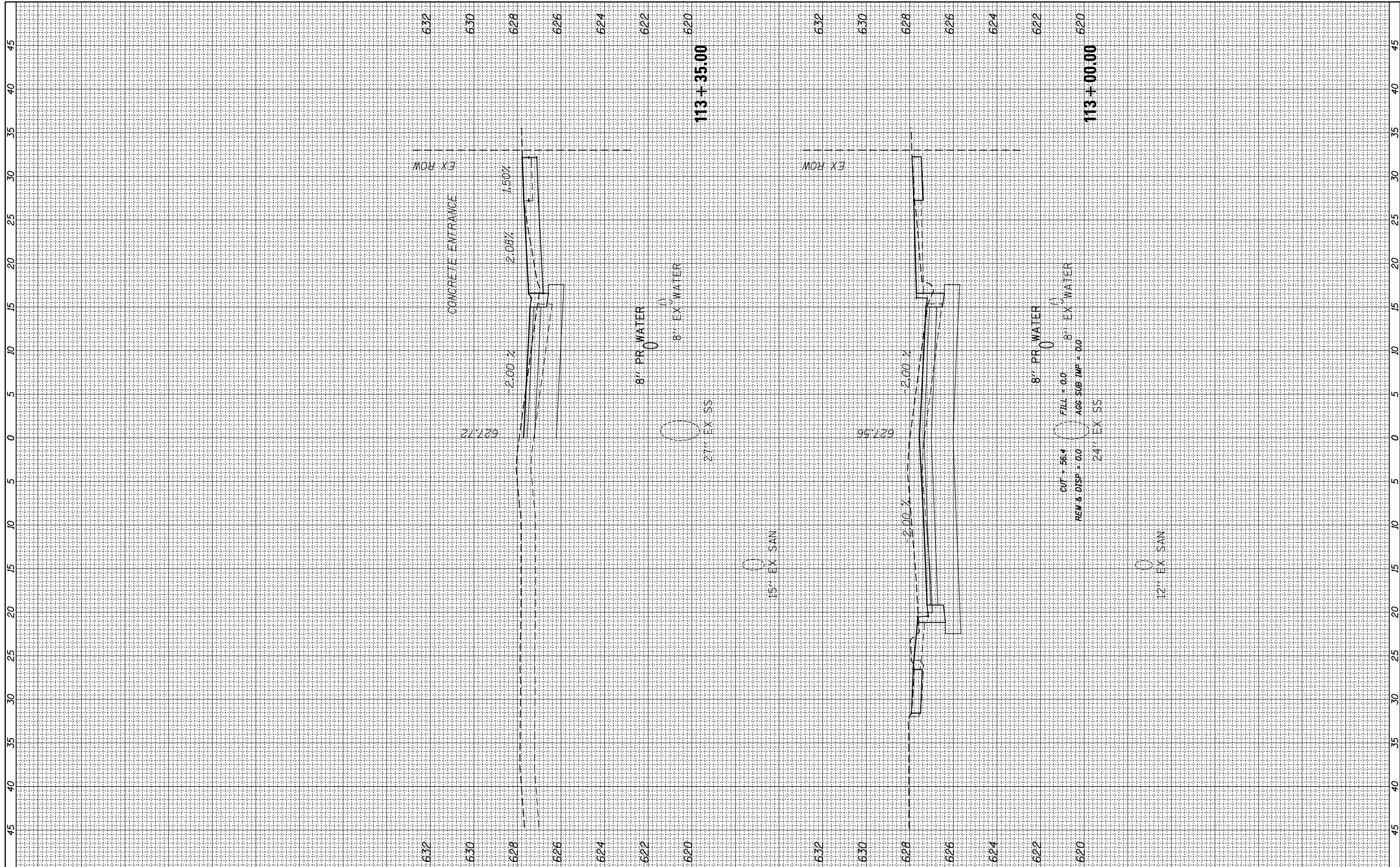
**BALMORAL AVE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	67
CONTRACT NO.			61J83	

ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		



FILE NAME = N:\WESTCHESTER\120326\120326.00026A\Civi1\XS\_120326-26A.sht

USER NAME = jjezierny  
 PLOT SCALE = 18"  
 PLOT DATE = 9/1/2023

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BALMORAL AVE**

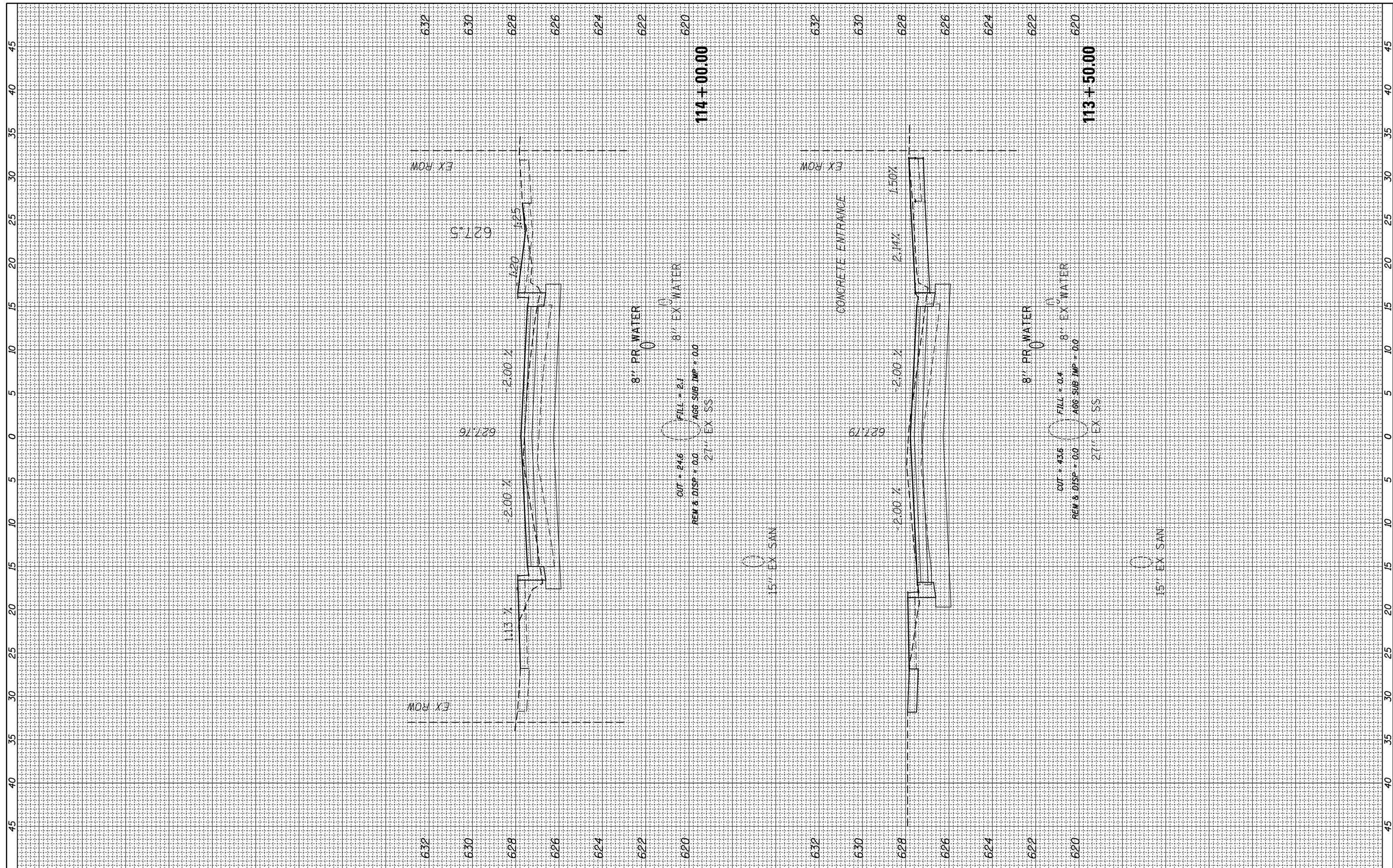
SCALE: SHEET OF SHEETS STA. 113+00.00 TO STA. 113+35.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	68
CONTRACT NO.			61J83	

ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		



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 PLOT SCALE = 18"  
 PLOT DATE = 9/1/2023

DESIGNED -	REVISIED -
DRAWN -	REVISIED -
CHECKED -	REVISIED -
DATE -	REVISIED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

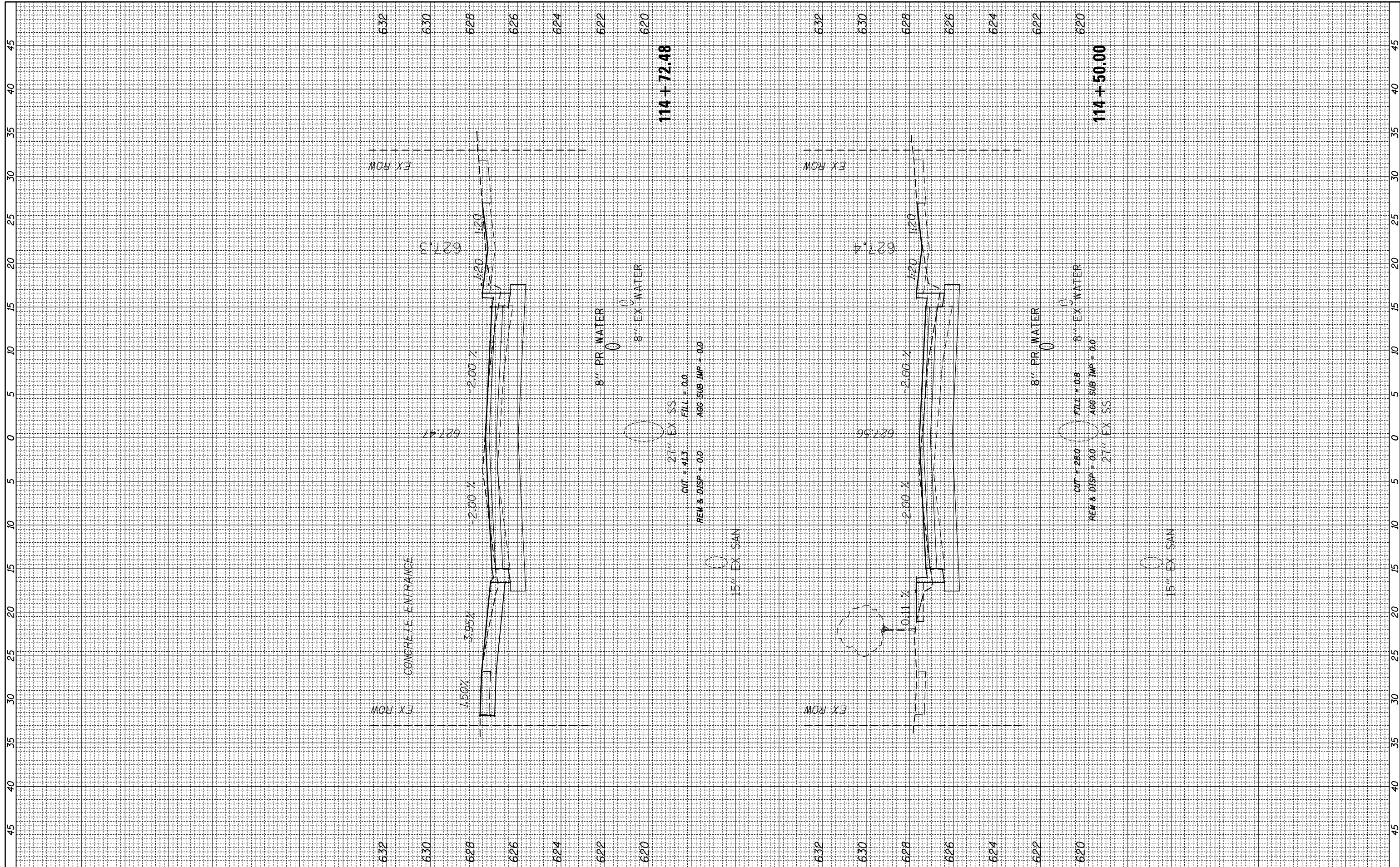
**BALMORAL AVE**

SCALE: SHEET OF SHEETS STA. 113+50.00 TO STA. 114+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	69
CONTRACT NO.			61J83	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = N:\WESTCHESTER\120326\120326.00026A\Civi1\XS\_120326-26A.sht

USER NAME = jjezierny  
PLOT SCALE = 18"  
PLOT DATE = 9/1/2023

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BALMORAL AVE**

SCALE: SHEET OF SHEETS STA. 114+50.00 TO STA. 114+72.48

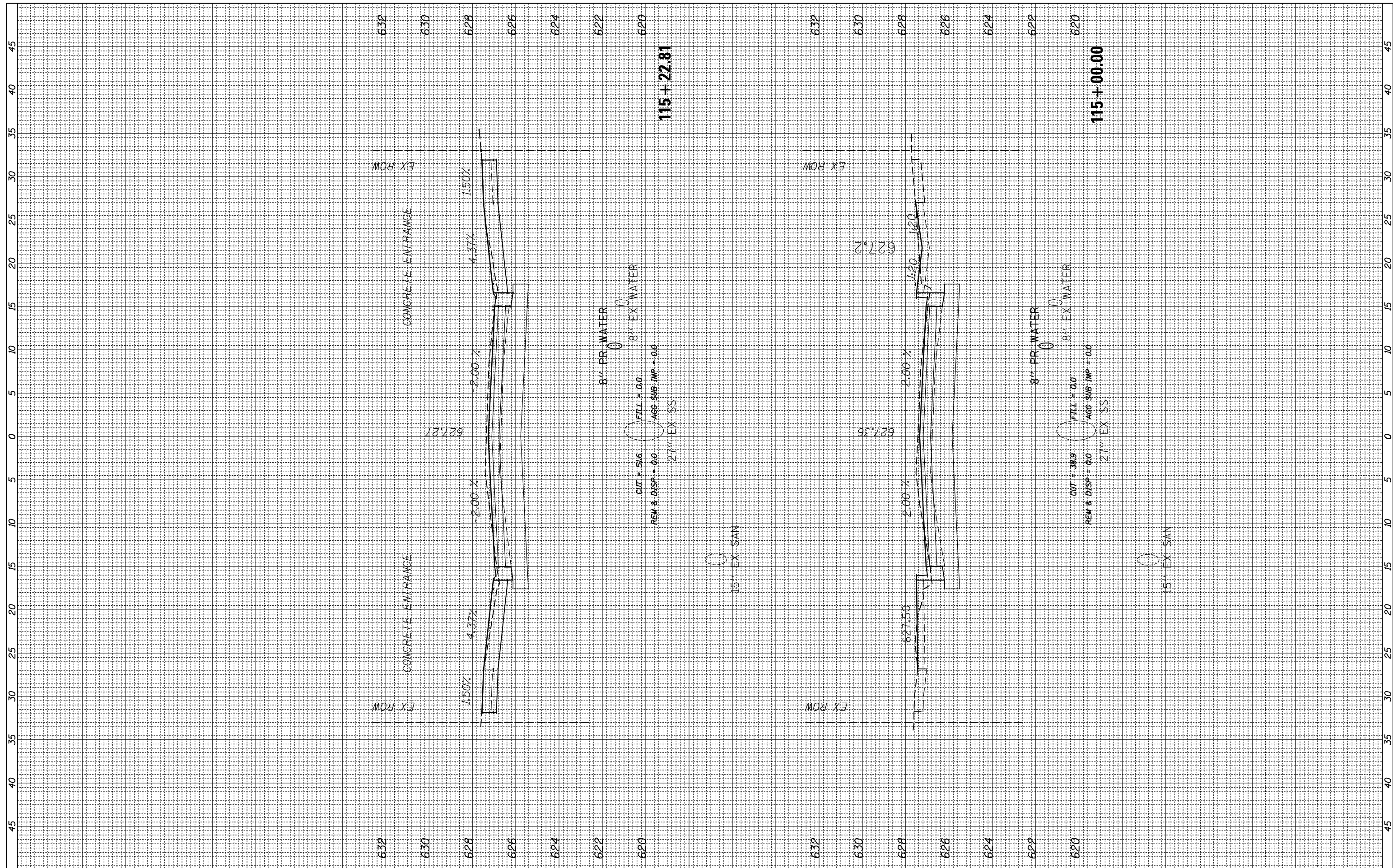
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	70
CONTRACT NO.			61J83	

ILLINOIS FED. AID PROJECT



FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = N:\WESTCHESTER\120326\120326.00026A\Civi1\XS\_120326-26A.sht  
 PLOT SCALE = 18'  
 PLOT DATE = 9/1/2023

USER NAME = jjezierny  
 DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

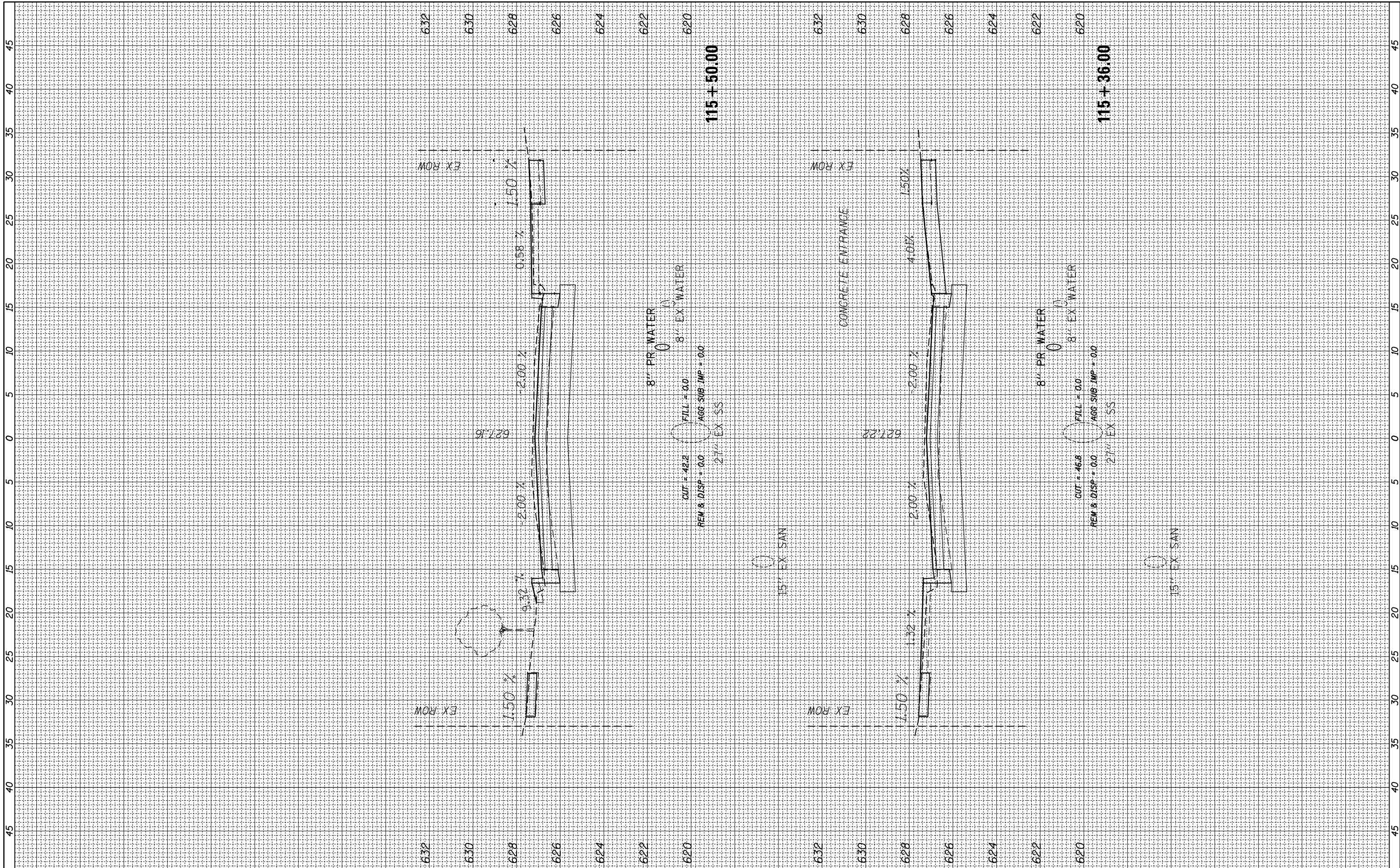
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BALMORAL AVE**  
 SCALE: SHEET OF SHEETS STA. 115+00.00 TO STA. 115+22.81

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	71
CONTRACT NO.			61J83	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



FILE NAME = N:\WESTCHESTER\120326\120326.00026A\Civi1\XS\_120326-26A.sht  
 USER NAME = jjezierny  
 PLOT SCALE = 18'  
 PLOT DATE = 9/1/2023

DESIGNED -	REVISIED -
DRAWN -	REVISIED -
CHECKED -	REVISIED -
DATE -	REVISIED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BALMORAL AVE**

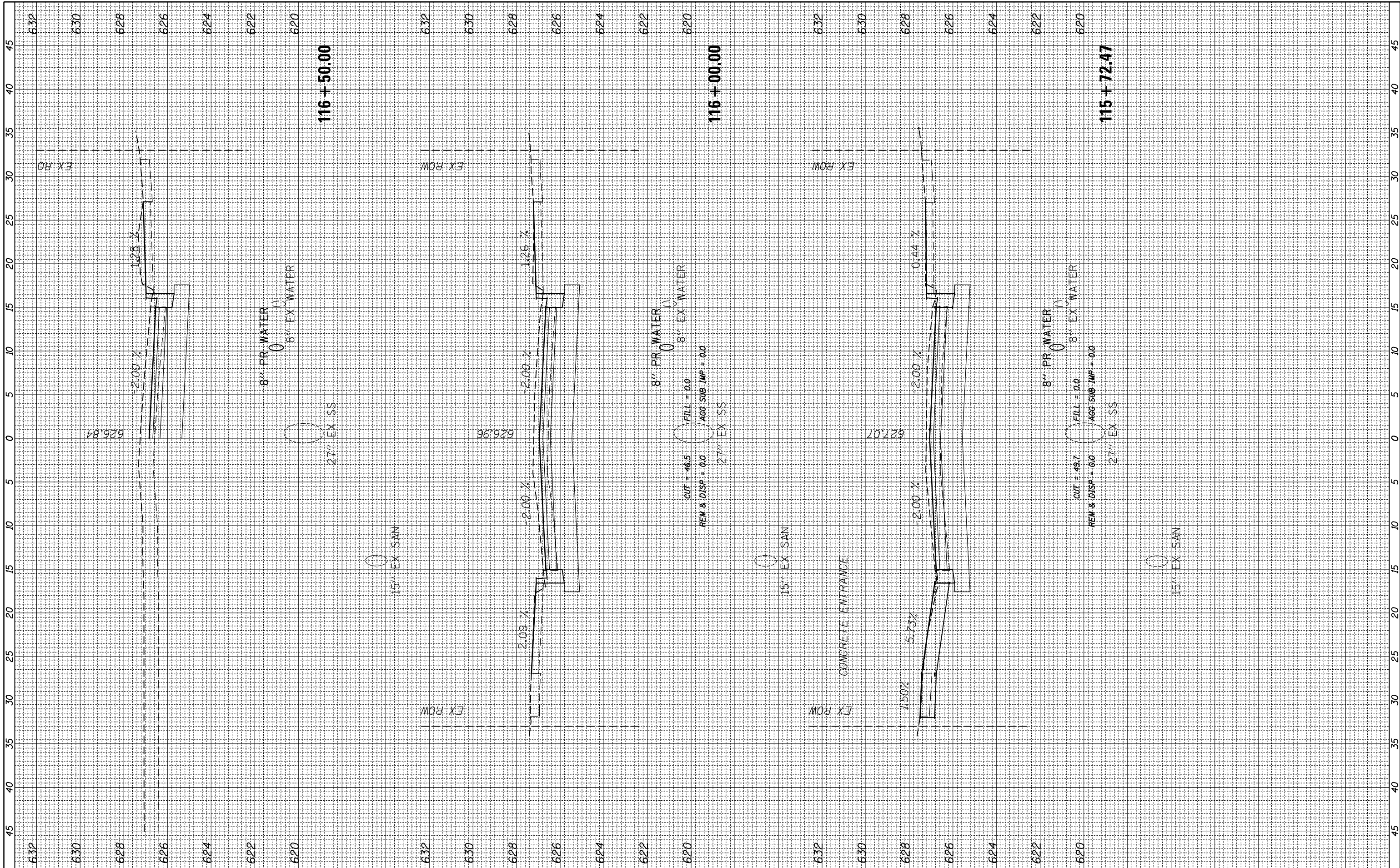
SCALE: SHEET OF SHEETS STA. 115+36.00 TO STA. 115+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	72
CONTRACT NO.			61J83	
ILLINOIS FED. AID PROJECT				



FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		
	AREAS CHECKED		



FILE NAME = N:\WESTCHESTER\120326\120326.00026A\Civi1\XS\_120326-26A.sht  
 USER NAME = jjezierny  
 PLOT SCALE = 18'  
 PLOT DATE = 9/1/2023

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. 115+72.47 TO STA. 116+50.00

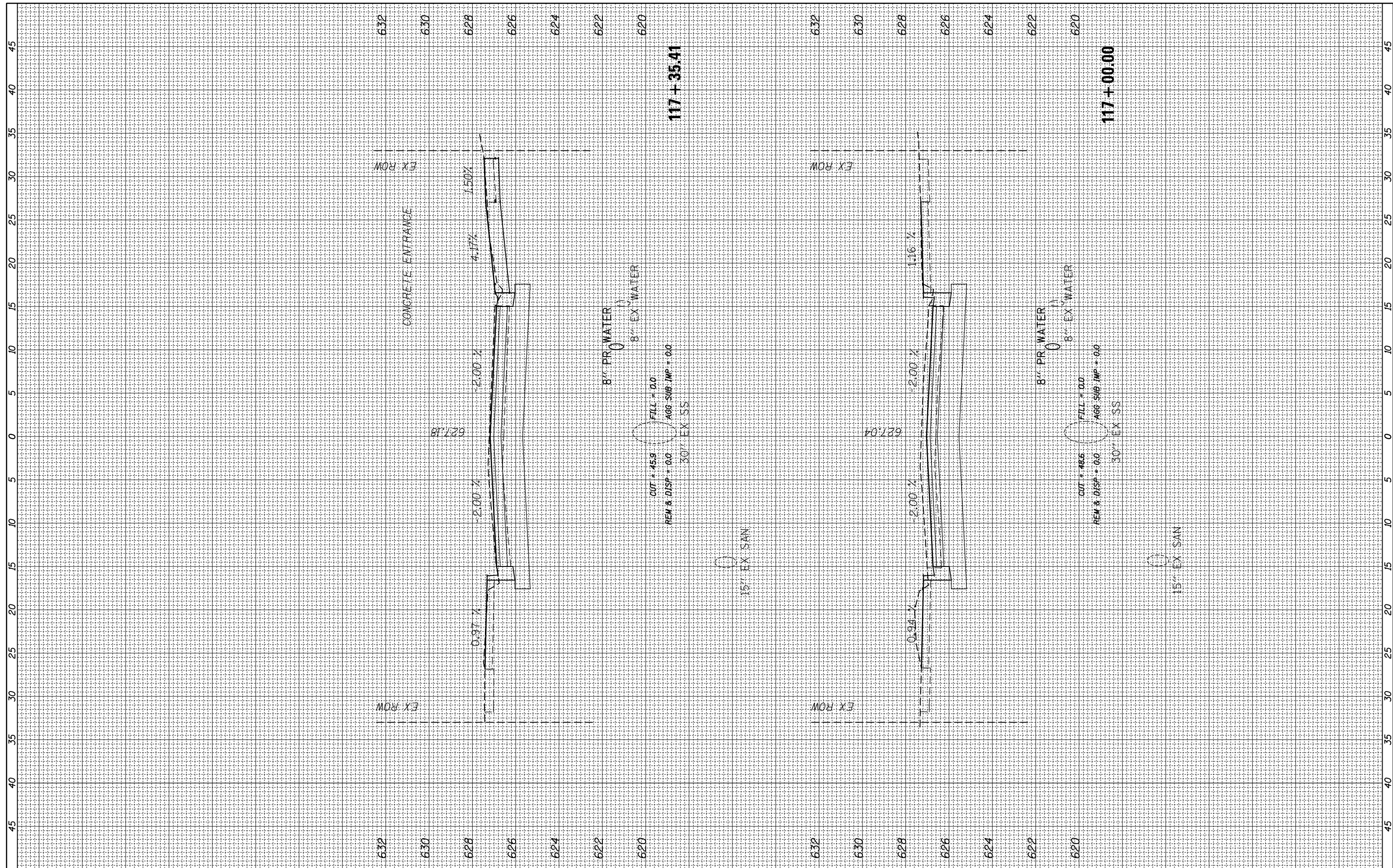
**BALMORAL AVE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	73
CONTRACT NO.			61J83	

ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED	BY	DATE
NOTE BOOK NO.	TEMPLATE AREAS CHECKED		
	AREAS CHECKED		

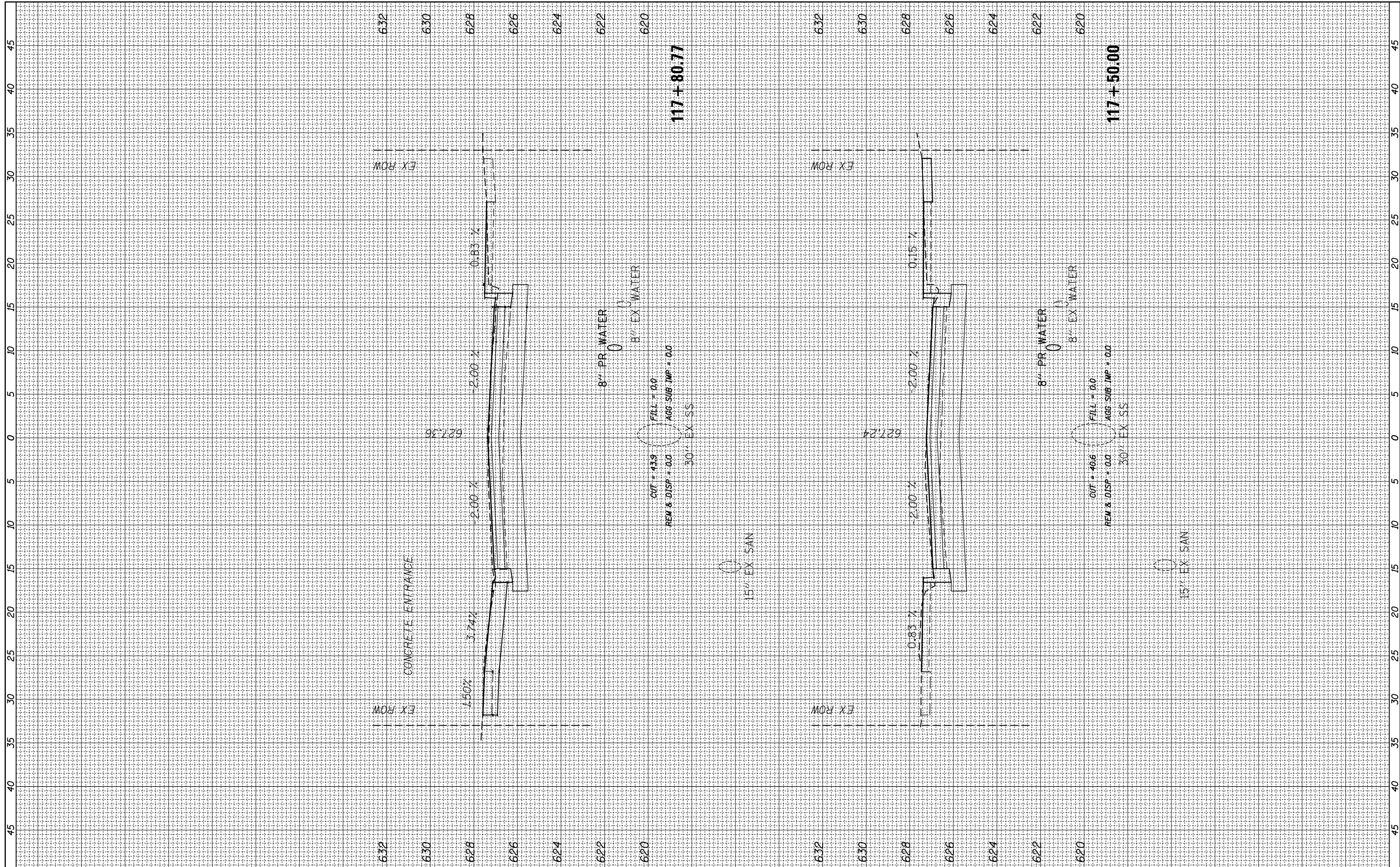
ORIGINAL SURVEY NO.	SURVEYED PLOTTED	BY	DATE
NOTE BOOK NO.	TEMPLATE AREAS CHECKED		
	AREAS CHECKED		



FILE NAME =	USER NAME = jjezierny	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BALMORAL AVE</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\WESTCHESTER\120326\120326.00026A\Civi1\XS_120326-26A.sht		DRAWN -	REVISED -		2712	17-00084-00-PV	COOK	89	74		
Default	PLOT SCALE = 18"	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. 117+00.00 TO STA. 117+35.41		CONTRACT NO. 61J83		ILLINOIS FED. AID PROJECT		
	PLOT DATE = 9/1/2023	DATE -	REVISED -								

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = N:\WESTCHESTER\120326\120326.00026A\Civi1\XS\_120326-26A.sht

USER NAME = jjezierny  
 PLOT SCALE = 18"  
 PLOT DATE = 9/1/2023

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BALMORAL AVE**

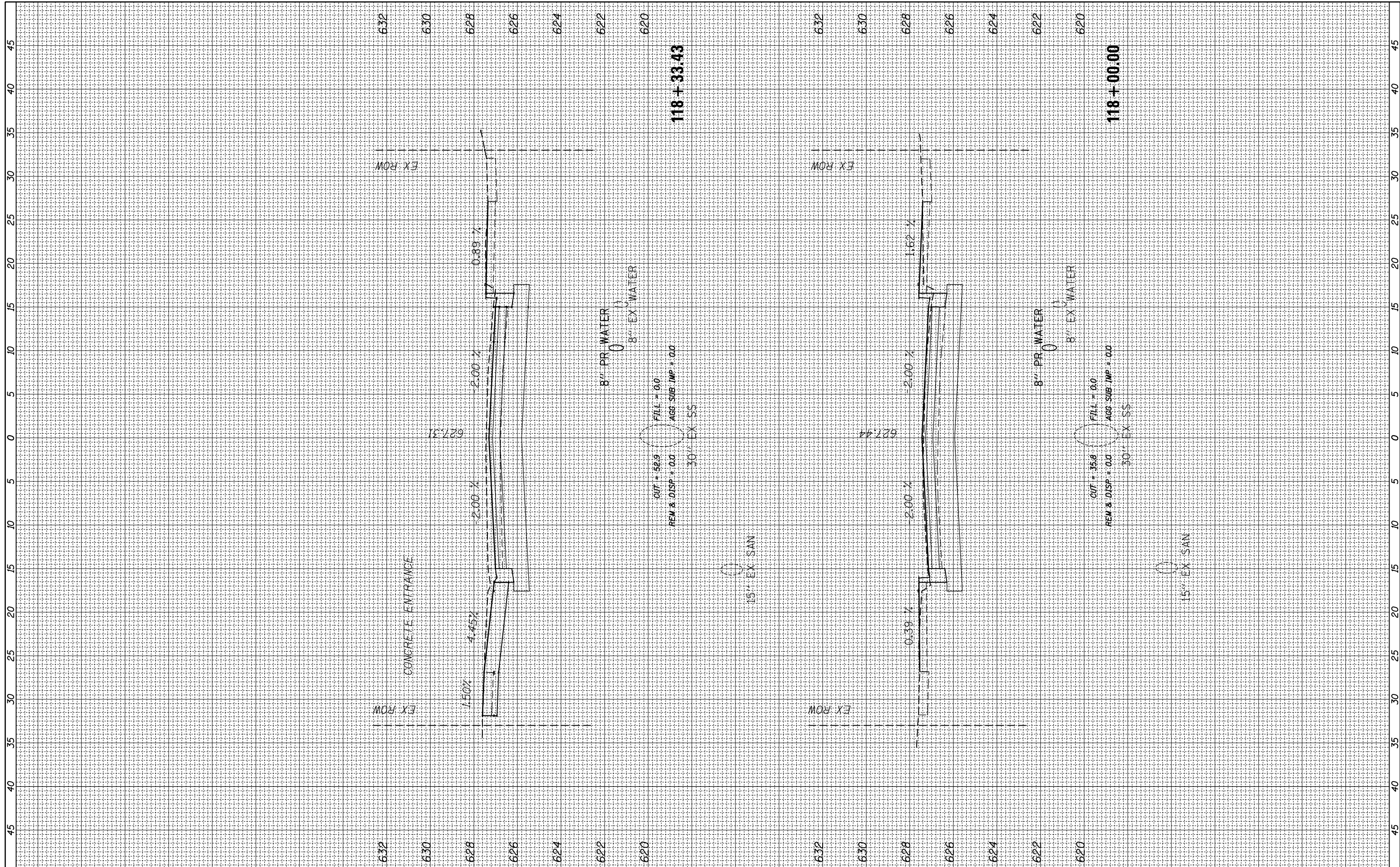
SCALE: SHEET OF SHEETS STA. 117+50.00 TO STA. 117+80.77

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	75
CONTRACT NO.			61J83	

ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED	BY	DATE
NOTE BOOK	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED PLOTTED	BY	DATE
NOTE BOOK	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		



FILE NAME = N:\WESTCHESTER\120326\120326.00026A\Civil\XS\_120326-26A.sht  
 PLOT SCALE = 18"  
 PLOT DATE = 9/1/2023

USER NAME = jjezierny  
 DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BALMORAL AVE**

SCALE: SHEET OF SHEETS STA. 118+00.00 TO STA. 118+33.43

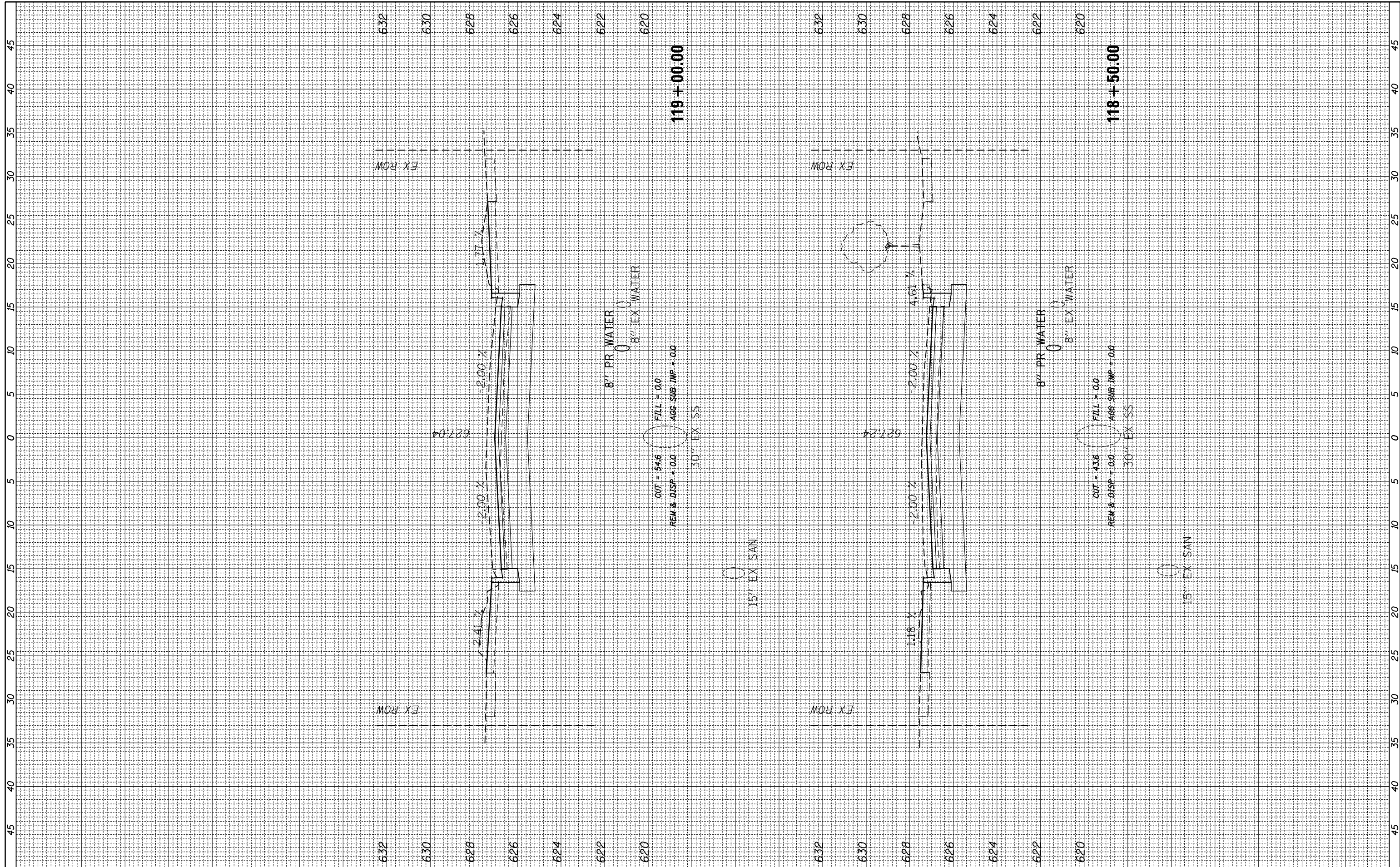
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	76
CONTRACT NO.			61J83	

ILLINOIS FED. AID PROJECT



FINAL SURVEY NO.	SURVEYED PLOTTED	BY	DATE
NOTE BOOK	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED PLOTTED	BY	DATE
NOTE BOOK	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		



FILE NAME = N:\WESTCHESTER\120326\120326.00026A\Civi1\XS\_120326-26A.shd

USER NAME = jjezierny  
 PLOT SCALE = 18"  
 PLOT DATE = 9/1/2023

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BALMORAL AVE**

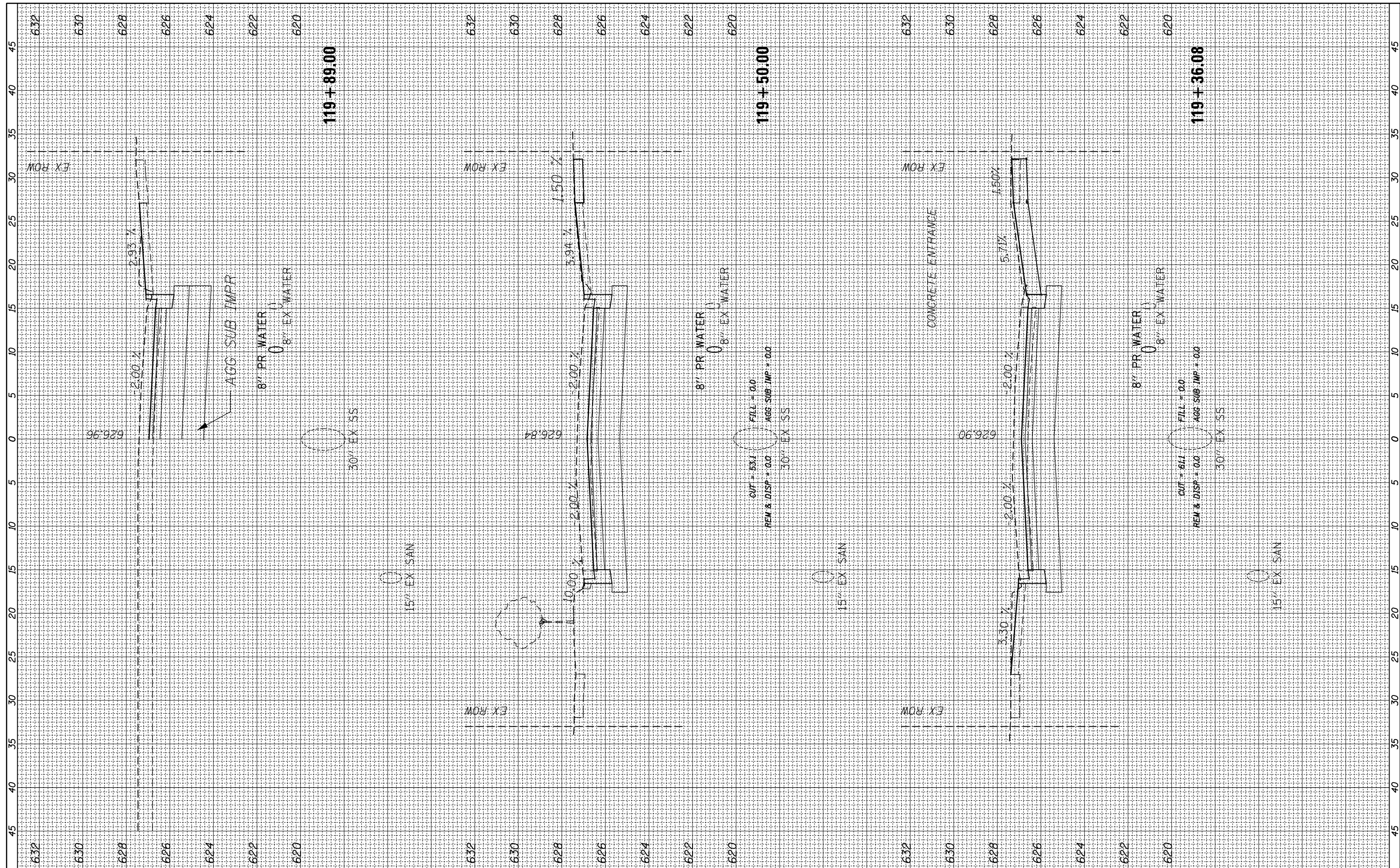
SCALE: SHEET OF SHEETS STA. 118+50.00 TO STA. 119+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	77
CONTRACT NO.			61J83	
ILLINOIS FED. AID PROJECT				



FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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 USER NAME = jjezierny  
 PLOT SCALE = 18'  
 PLOT DATE = 9/1/2023

DESIGNED -  
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 CHECKED -  
 DATE -

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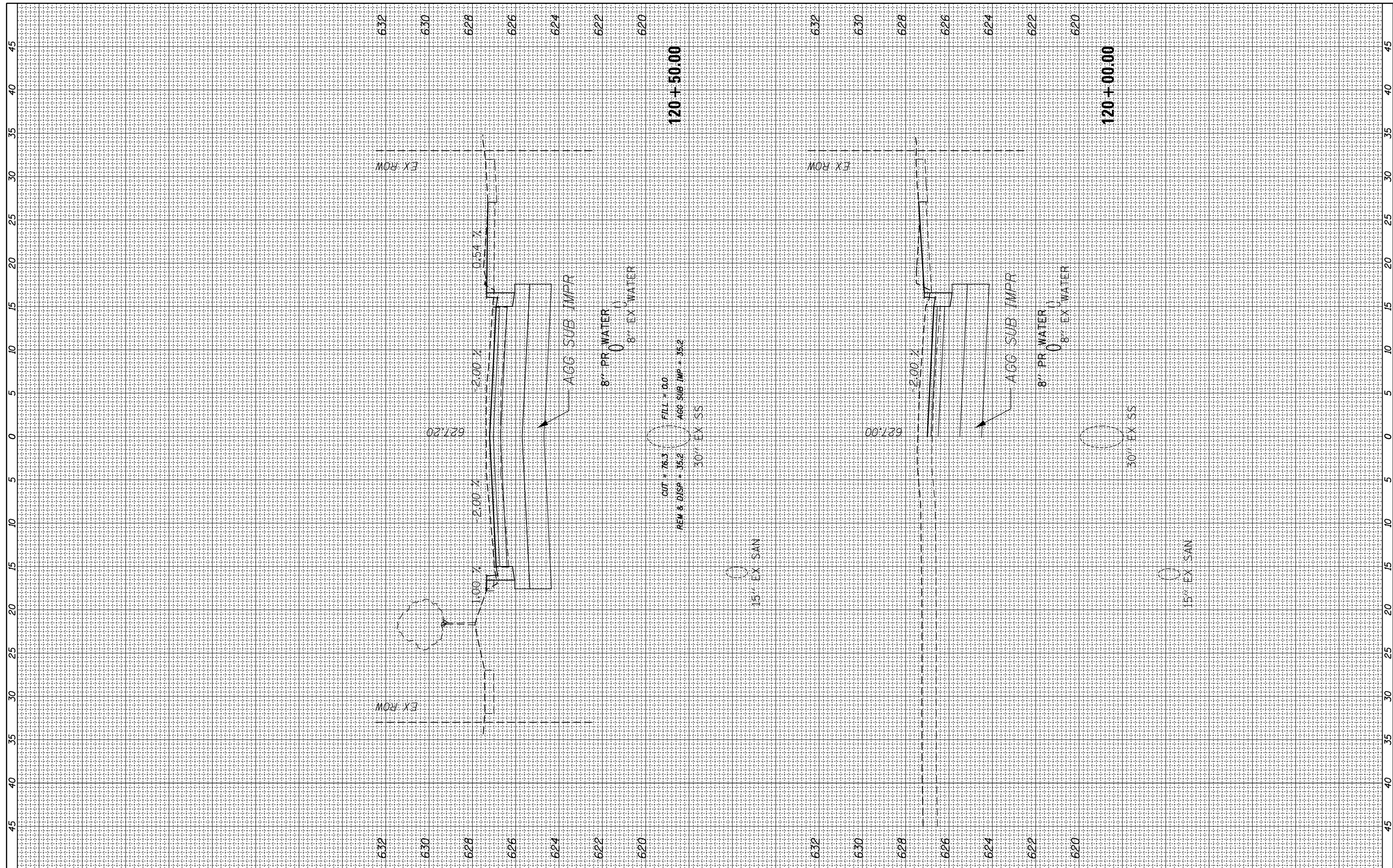
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. 119+36.08 TO STA. 119+89.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	78
CONTRACT NO.			61J83	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED	BY	DATE
NOTE BOOK	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED PLOTTED	BY	DATE
NOTE BOOK	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		



FILE NAME = N:\WESTCHESTER\120326\120326.00026A\Civi1\XS\_120326-26A.sht

USER NAME = jjezierny  
 PLOT SCALE = 18"  
 PLOT DATE = 9/1/2023

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
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 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. 120+00.00 TO STA. 120+50.00

**BALMORAL AVE**

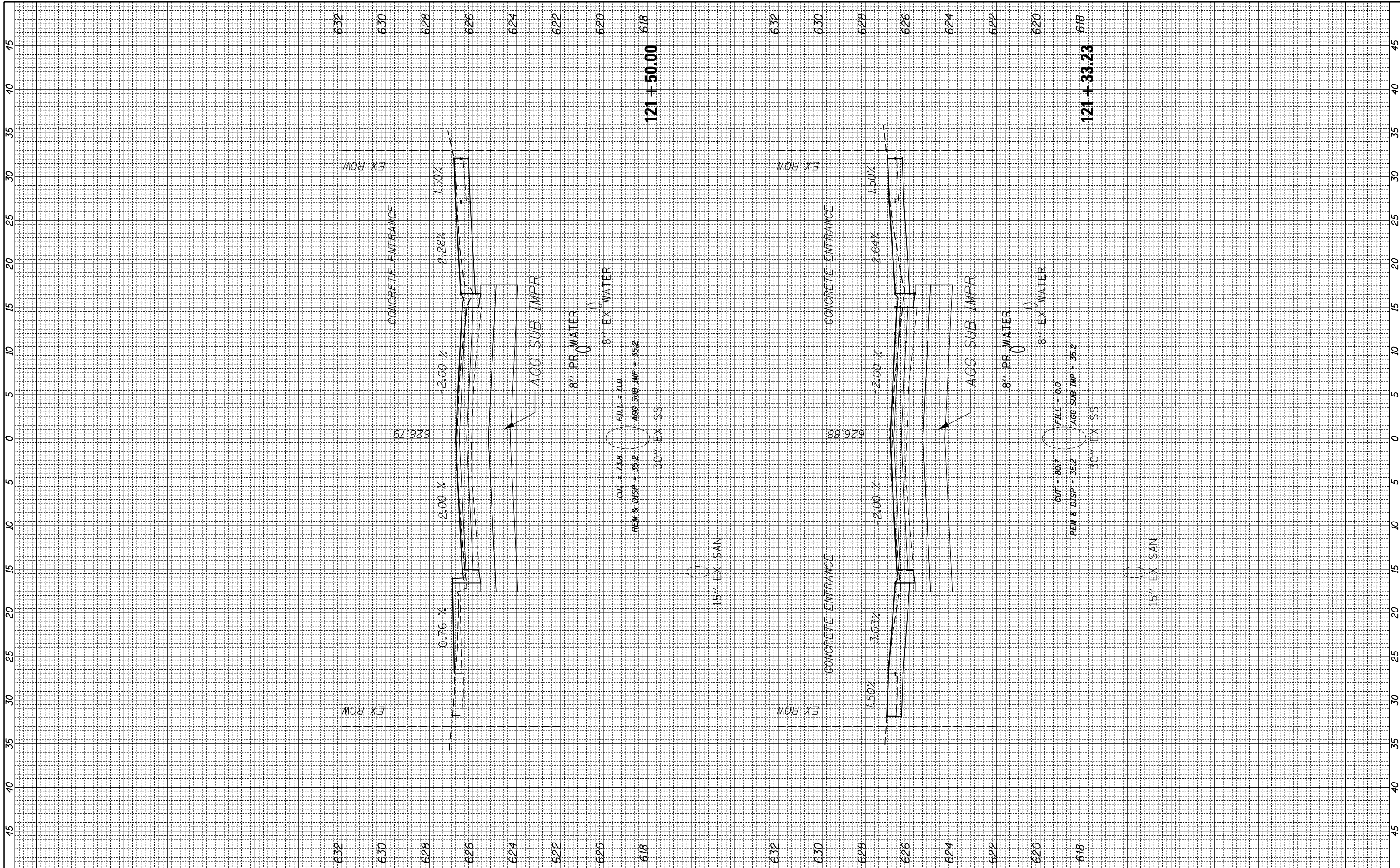
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	79
CONTRACT NO.			61J83	

ILLINOIS FED. AID PROJECT



FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		
	AREAS CHECKED		



FILE NAME = N:\WESTCHESTER\120326\120326.00026A\Civi1\XS\_120326-26A.sht

USER NAME = jjezierny  
 PLOT SCALE = 18"  
 PLOT DATE = 9/1/2023

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

BALMORAL AVE

SCALE: SHEET OF SHEETS STA. 121+33.23 TO STA. 121+50.00

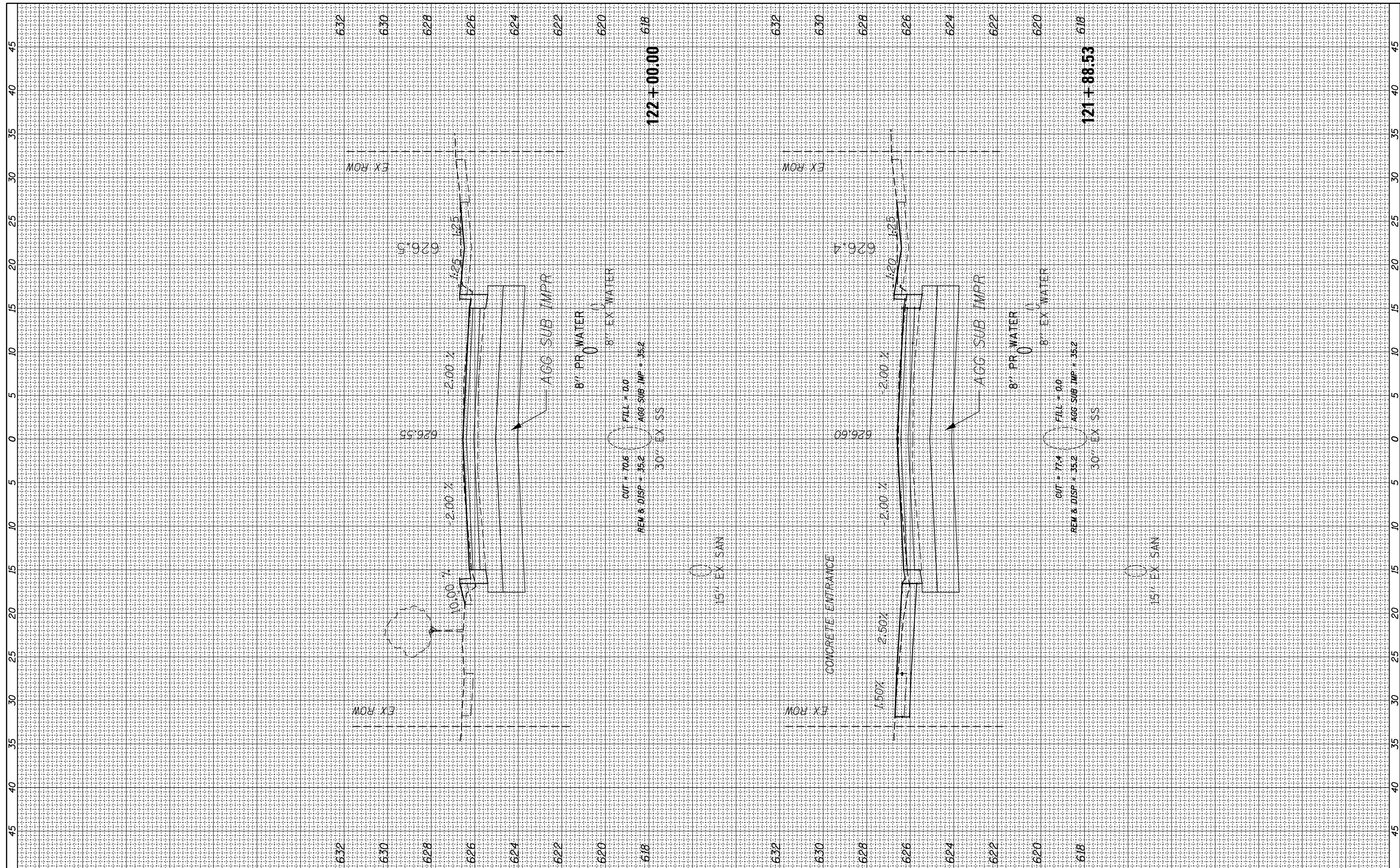
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	81
CONTRACT NO.			61J83	

ILLINOIS FED. AID PROJECT



FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		



FILE NAME = N:\WESTCHESTER\120326\120326.00026A\Civil\XS\_120326-26A.sht  
 USER NAME = jjezierny  
 PLOT SCALE = 18"  
 PLOT DATE = 9/1/2023

DESIGNED -	REVISIED -
DRAWN -	REVISIED -
CHECKED -	REVISIED -
DATE -	REVISIED -

CUT = 70.6	FILL = 0.0
REM & DISP = 35.2	AGG SUB IMP = 35.2
30" EX SS	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BALMORAL AVE**

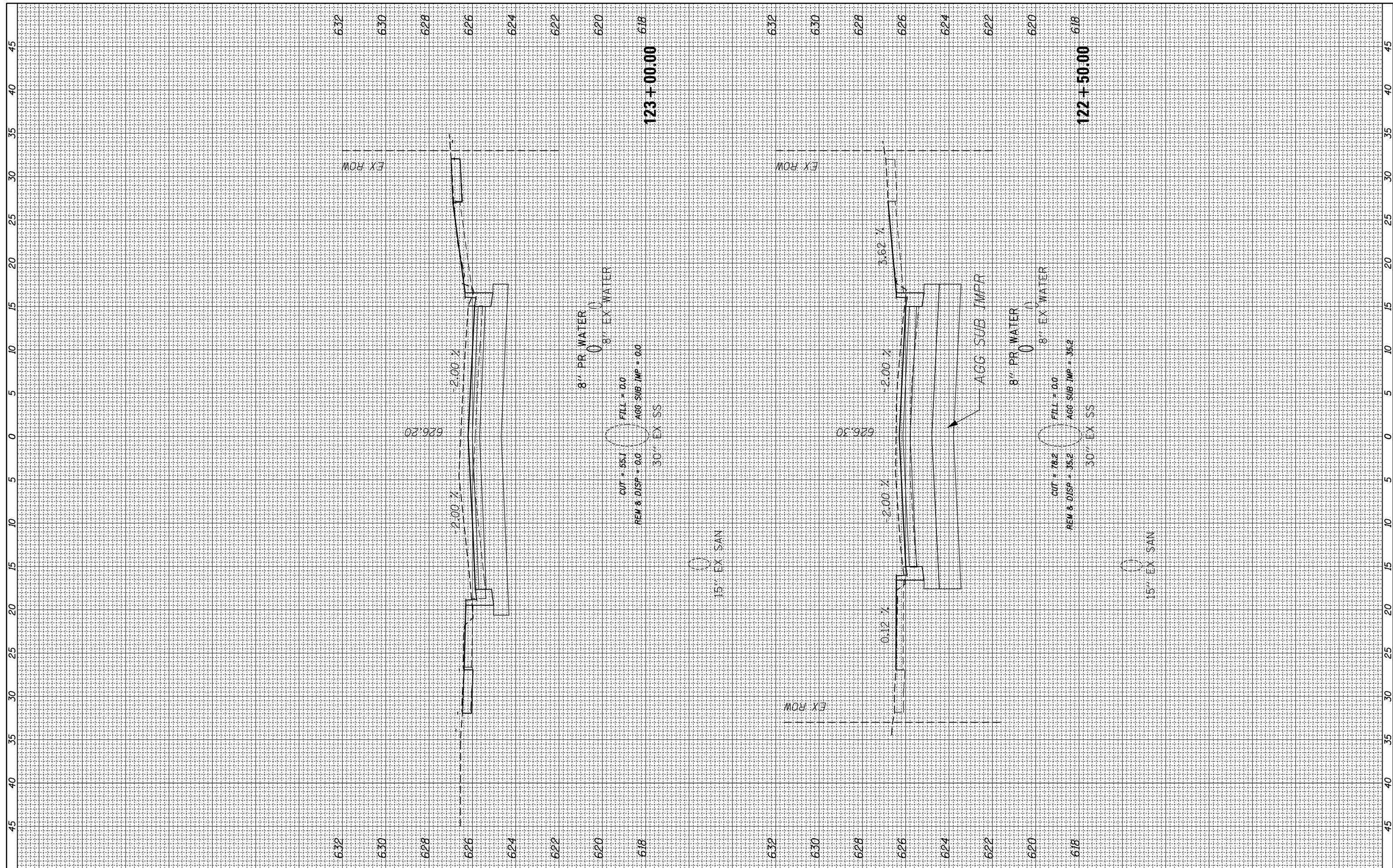
SCALE: SHEET OF SHEETS STA. 121+88.53 TO STA. 122+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	82
CONTRACT NO.			61J83	
ILLINOIS FED. AID PROJECT				



FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		



FILE NAME = N:\WESTCHESTER\120326\120326.00026A\Civi1\XS\_120326-26A.sht  
 USER NAME = jjezierny  
 PLOT SCALE = 18"  
 PLOT DATE = 9/1/2023

DESIGNED -	REVISIED -
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CHECKED -	REVISIED -
DATE -	REVISIED -

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REVISIED -
REVISIED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

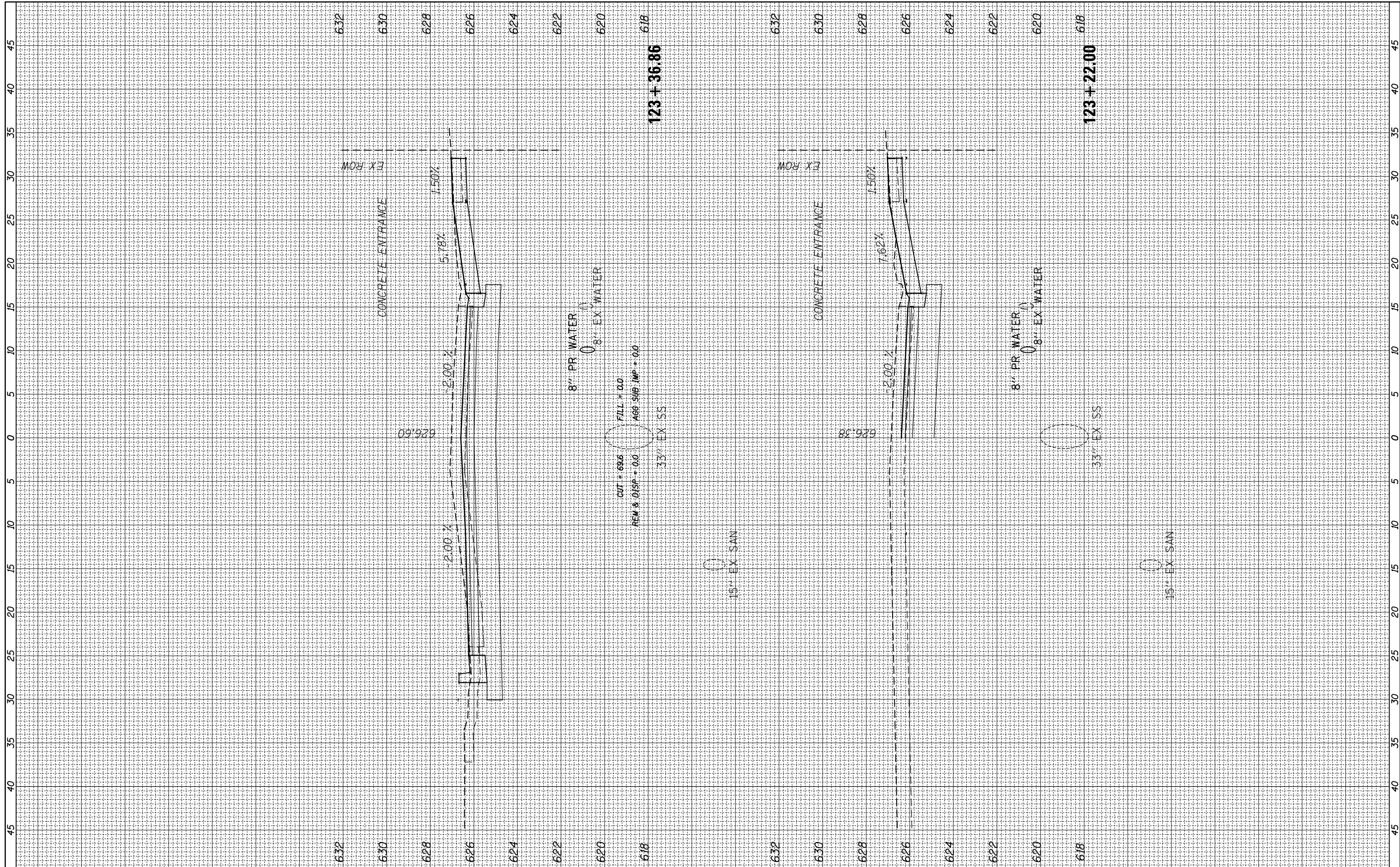
**BALMORAL AVE**

SCALE: SHEET OF SHEETS STA. 122+50.00 TO STA. 123+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	83
CONTRACT NO.			61J83	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED	BY	DATE
NOTE BOOK	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED PLOTTED	BY	DATE
NOTE BOOK	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		



FILE NAME = N:\WESTCHESTER\120326\120326.00026A\Civi1\XS\_120326-26A.sht  
 PLOT SCALE = 18"  
 PLOT DATE = 9/1/2023

USER NAME = jjezierny  
 DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. 123+22.00 TO STA. 123+36.86

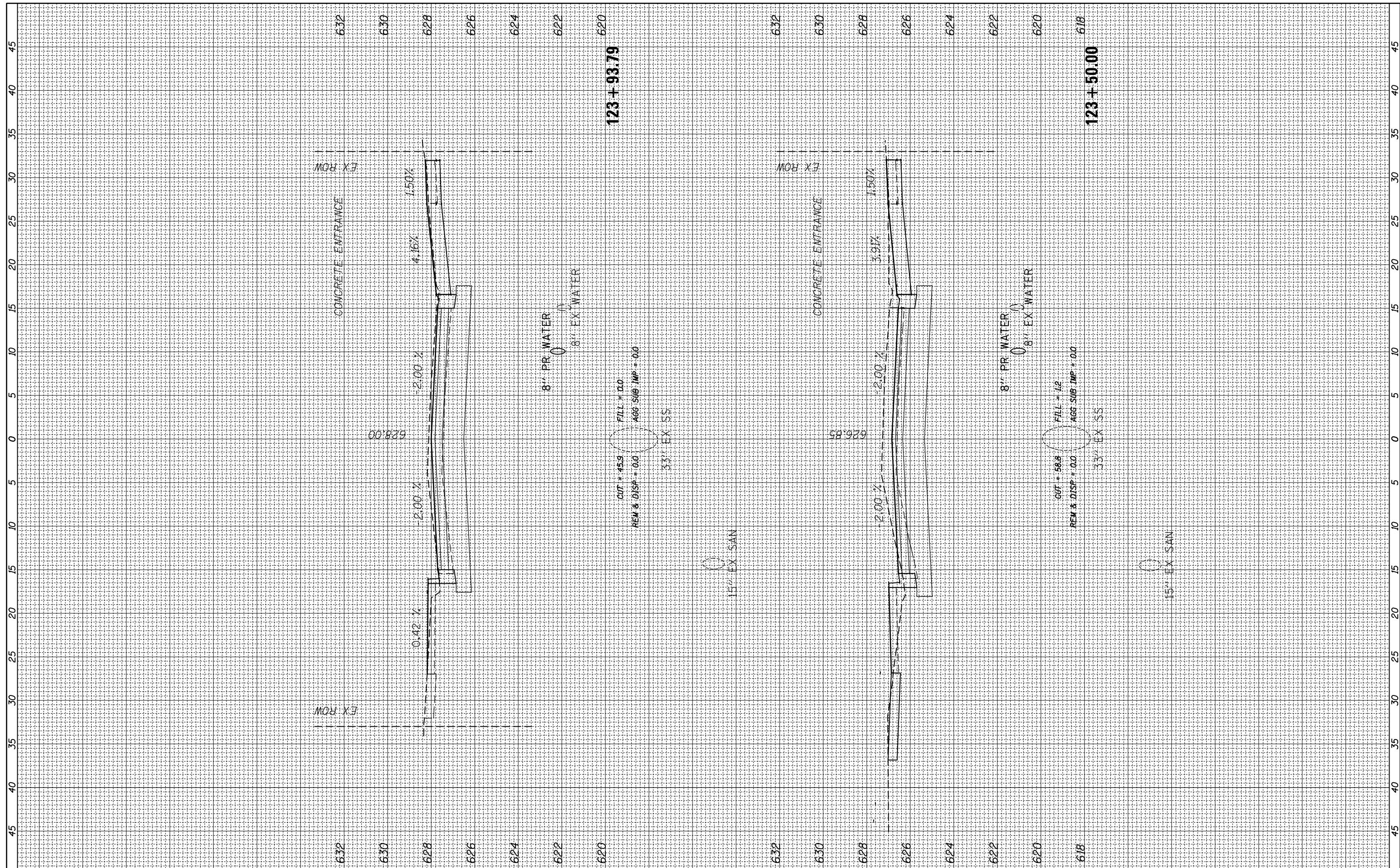
**BALMORAL AVE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	84
CONTRACT NO.			61J83	

ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = N:\WESTCHESTER\120326\120326.00026A\Civil\XS\_120326-26A.sht  
 PLOT SCALE = 18"  
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USER NAME = jjezierny  
 DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
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 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. 123+50.00 TO STA. 123+93.79

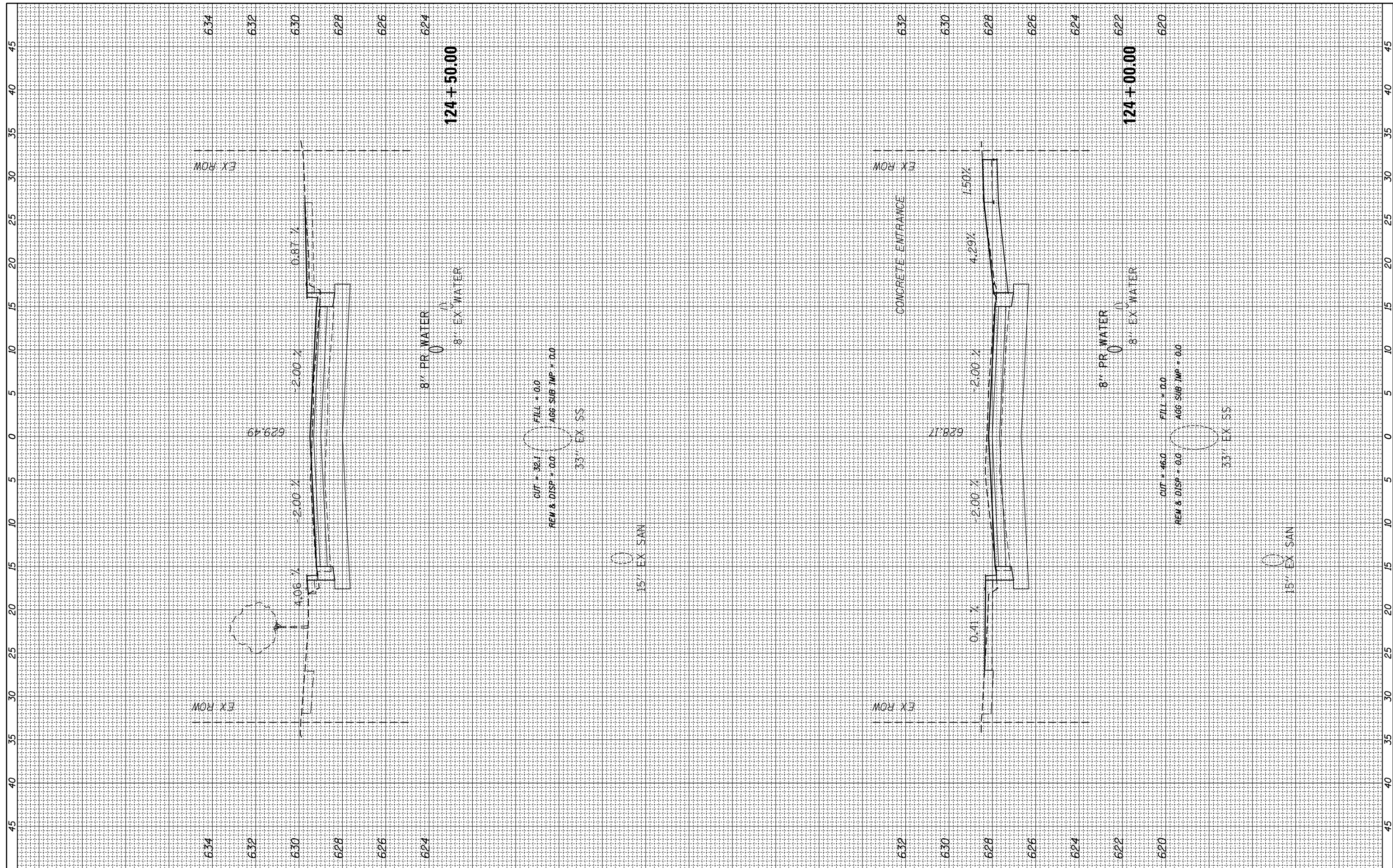
BALMORAL AVE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	85
CONTRACT NO.			61J83	

ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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DESIGNED -	REVISD -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET	OF	SHEETS	STA. 124+00.00	TO	STA. 124+50.00
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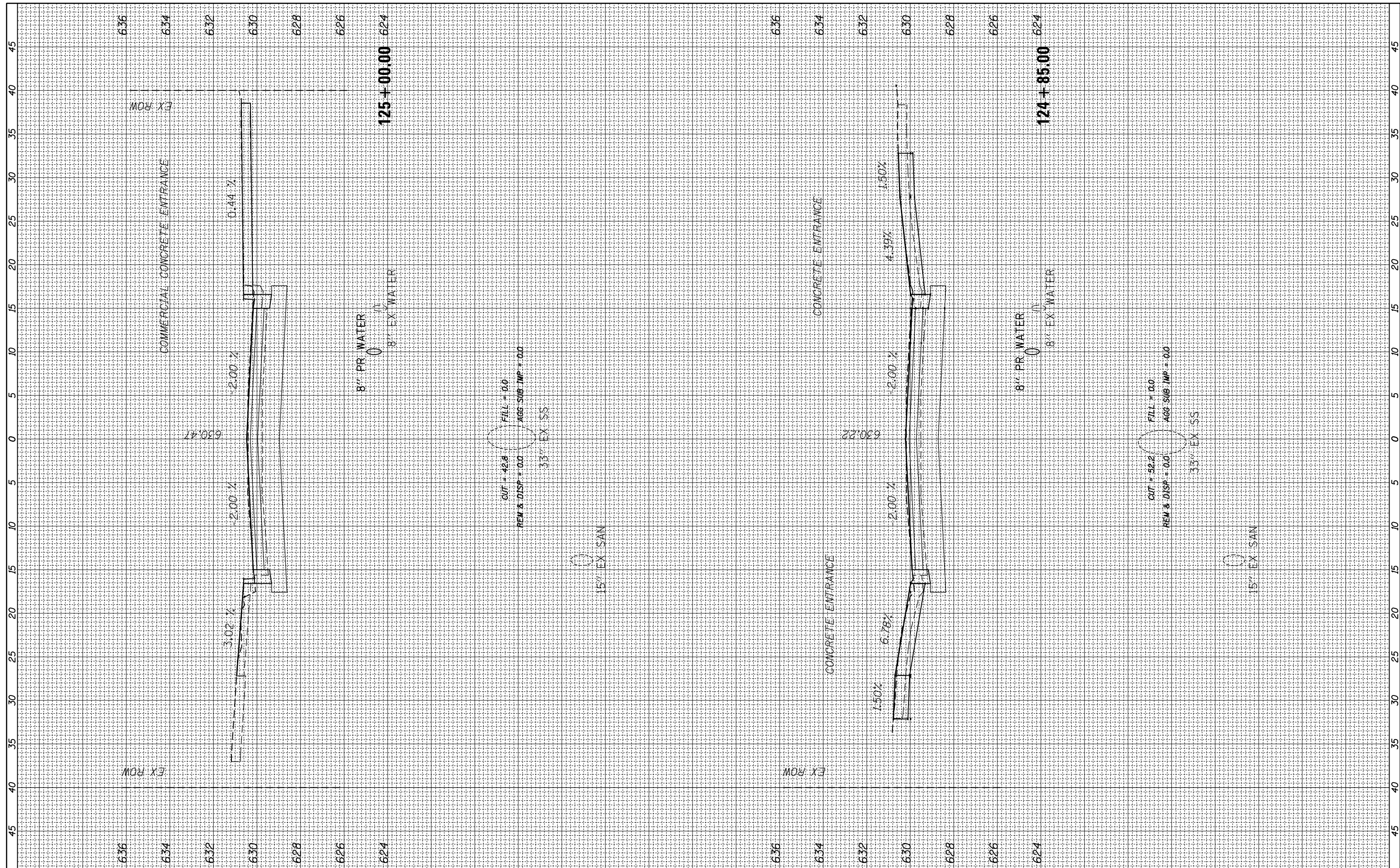
**BALMORAL AVE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	86
CONTRACT NO.			61J83	
ILLINOIS FED. AID PROJECT				



FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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USER NAME = jjezierny  
 DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. 124+85.00 TO STA. 125+00.00

**BALMORAL AVE**

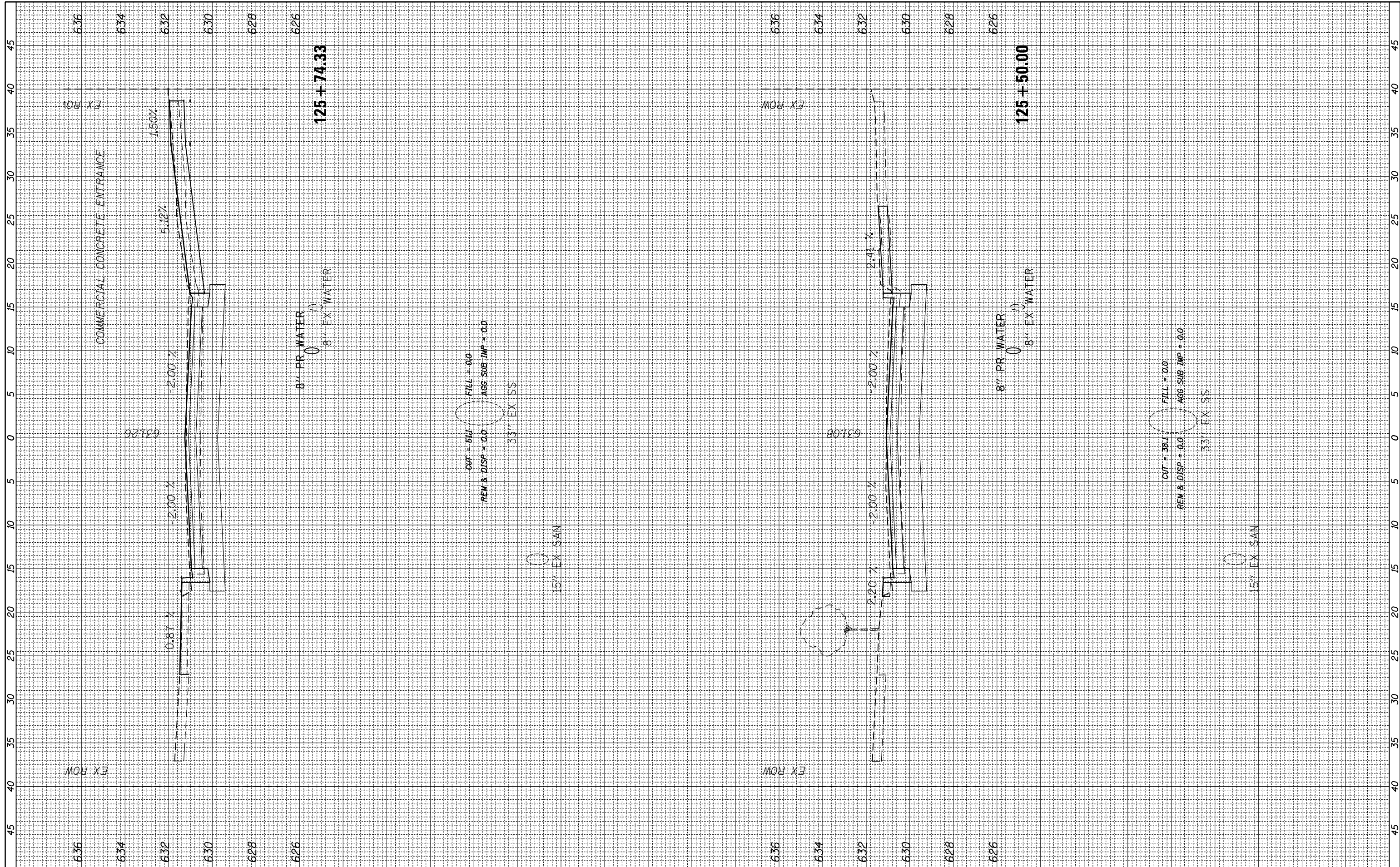
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	87
CONTRACT NO.			61J83	

ILLINOIS FED. AID PROJECT



FINAL SURVEY NO.	SURVEYED PLOTTED	BY	DATE
NOTE BOOK	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED PLOTTED	BY	DATE
NOTE BOOK	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		



FILE NAME = N:\WESTCHESTER\120326\120326.00026A\Civi1\XS\_120326-26A.sht  
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USER NAME = jjezierny  
 PLOT SCALE = 18"  
 PLOT DATE = 9/1/2023

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
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 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

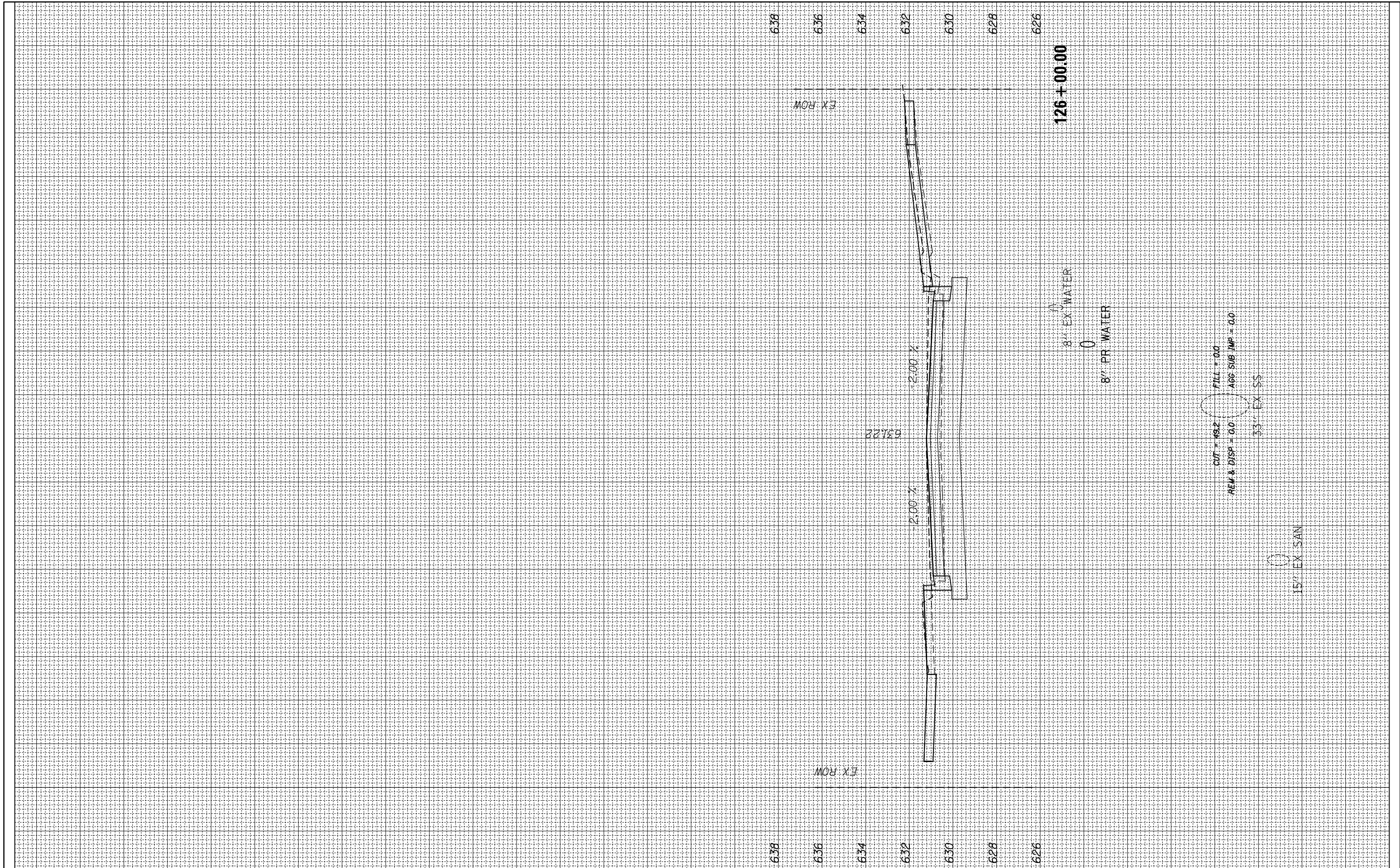
**BALMORAL AVE**

SCALE: SHEET OF SHEETS STA. 125+50.00 TO STA. 125+74.33

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	88
CONTRACT NO.			61J83	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
NOTE BOOK	TEMPLATE AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
NOTE BOOK	TEMPLATE AREAS CHECKED		



FILE NAME = N:\WESTCHESTER\120326\120326.00026A\Civil\XS\_120326-26A.sht

USER NAME = jjezierny  
 PLOT SCALE = 18"  
 PLOT DATE = 9/1/2023

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. 126+00.00 TO STA. 126+00.00

**BALMORAL AVE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2712	17-00084-00-PV	COOK	89	89
CONTRACT NO.			61J83	
ILLINOIS FED. AID PROJECT				