

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED LOCAL AGENCY PROJECT

CITY OF O'FALLON, ILLINOIS	
ROUNDABOUT AT PORTER RD & SIMMONS RD	TOTAL SHEETS 36
SECTION 08-00060-00-PV	
CONTRACT 97408	
FEDERAL AID PROJECT	

INDEX OF SHEETS

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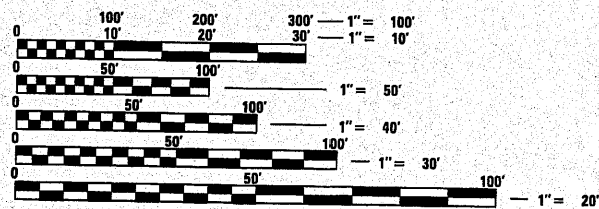
IDOT HIGHWAY STANDARDS

000001-06	602306-03	720011-01
001001-02	602601-02	728001-01
001006	604006-04	729001-01
202001-01	604011-04	780001-02
280001-05	606001-04	BLR 14-10
420001-07	606301-04	BLR 21-8
424001-05	701501-06	
542301-03	701901-01	
542401-01	720001-01	
602301-03	720006-02	

DESIGN DESIGNATION

F.A.U.S. 9170 (PORTER/SIMMONS RD.) - MAJOR COLLECTOR
 2030 ADT = 10,900
 DESIGN SPEED = 25 MPH

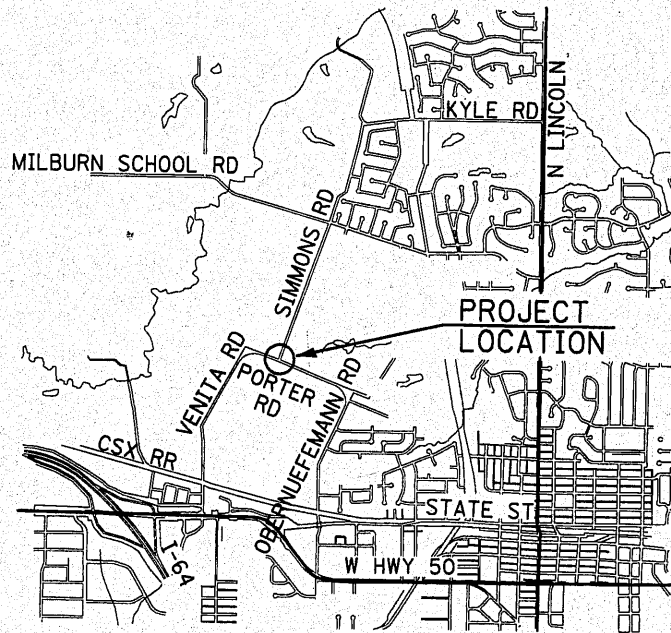
**FOR SUMMARY OF QUANTITIES
 SEE SHEET 3**



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

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

FAU ROUTE 9170 (PORTER RD)
FAU ROUTE 9170 (SIMMONS RD)
SECTION 08-00060-00-PV
PROJECT NO. CMM-5011(260)
CITY OF O'FALLON, ILLINOIS
ST. CLAIR COUNTY
JOB NO. C-98-318-09



LOCATION MAP

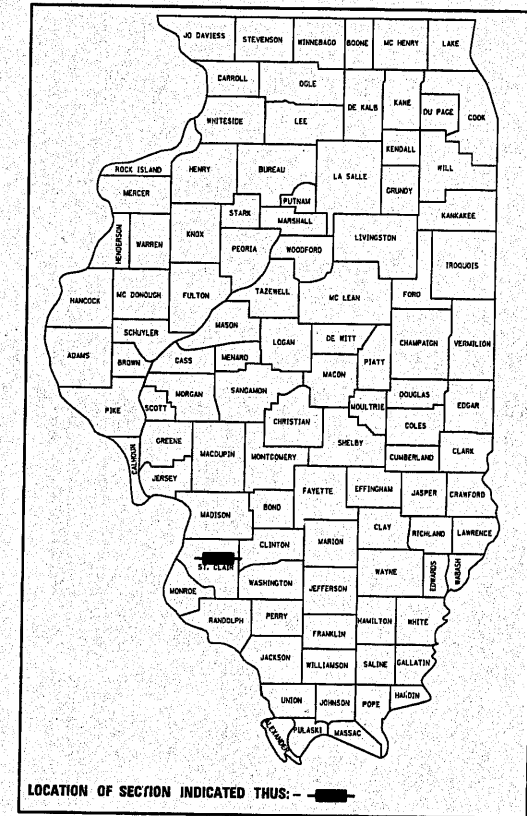
GROSS LENGTH OF PROJECT = 516.47 FEET (0.098 MILES) - ALONG PORTER RD
 GROSS LENGTH OF PROJECT = 250.26 FEET (0.047 MILES) - ALONG SIMMONS RD
 NET LENGTH OF PROJECT = 766.73 FEET (0.145 MILES)

PLANS PREPARED BY
HORNER & SHIFRIN, INC.
ENGINEERS

www.HornerShifrIn.com

640 Pierce Boulevard Suite 200 • O'Fallon, Illinois 62269
 Phone: (618) 622-3040 • Fax: (618) 622-3070

Illinois Professional Design Firm No. 184-000435
 License Expires 4/30/2011



LOCATION OF SECTION INDICATED THUS: - ■ -

City of O'Fallon, Illinois
 255 South Lincoln
 O'Fallon, Illinois 62269
 Phone: (618) 624-4500
 Fax: (618) 624-4508
 www.ofallon.org

APPROVED Nov 4 20 10

 MAYOR, CITY OF O'FALLON, ILLINOIS

PASSED Nov 8 20 10

 DISTRICT 8 ENGINEER OF LOCAL ROAD & STREETS

RELEASING FOR BID
 BASED ON LIMITED
 REVIEW NOV. 8 20 10

 DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

Steven R. Donahue 11/4/10
 Steven R. Donahue, P.E. Date
 License Expires 11/30/2011

USER NAME = jdonahue
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GENERAL NOTES

- EXISTING UNDERGROUND AND ABOVE-GRADE FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED ON THESE CONTRACT DOCUMENTS BASED UPON THE INFORMATION AND SURVEYS AVAILABLE AT THE TIME OF DRAWING PREPARATION. THE LOCATION OF THESE FEATURES MUST, THEREFORE, BE CONSIDERED APPROXIMATE ONLY. IN ADDITION, THERE MAY BE OTHER FACILITIES, STRUCTURES, AND UTILITIES WHICH DID NOT EXIST (OR THE EXISTENCE OF WHICH WAS NOT KNOWN) AT THE TIME OF DRAWING PREPARATION. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR(S) TO HAVE ALL EXISTING FACILITIES, STRUCTURES, AND UTILITIES LOCATED IN THE FIELD PRIOR TO ANY EXCAVATION OR CONSTRUCTION ACTIVITY; AND TO PROTECT ALL SUCH EXISTING FEATURES (EXCEPT THOSE SPECIFICALLY NOTED FOR REMOVAL OR DEMOLITION) DURING CONSTRUCTION.
- THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT-MIX ASPHALT MIXTURE IS PLACED.
- FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

ALL HOT-MIX ASPHALT	2.016	TONS/CU. YD.
ALL AGGREGATE	2.05	TONS/CU. YD.
HOT-MIX ASPHALT MATERIALS:		
ON PAVEMENT	0.09	GAL./SQ. YD.
INTERMEDIATE LIFTS(FOG COAT)	0.04	GAL./SQ. YD.
ON AGGREGATE SURFACE	0.32	GAL./SQ. YD.
AGGREGATE (PRIME COAT)	0.0015	TONS/SQ. YD.
RIPRAP	1.50	TONS/CU. YD.
- TRENCH BACKFILL REQUIRED FOR STORM SEWER, SANITARY SEWER, OR WATER MAINS SHALL ONLY BE PLACED UP TO ONE FOOT BELOW THE FINAL GRADE IN AREAS HAVING A PROPOSED GRASS OR SOD SURFACE.
- CONNECTING OF NEW OR EXISTING STORM SEWER TO NEW OR EXISTING INLETS OR MANHOLES SHALL BE MADE IN A MANNER WHICH RESULTS IN A NEAT AND WATERTIGHT JOINT. WHEN PLACED THROUGH THE WALL OF AN INLET OR MANHOLE, STORM SEWER PIPE SHALL BE PLACED OR CUT FLUSH WITH THE FACE OF THE WALL AND DRESSED WITH MORTAR TO PROVIDE A SMOOTH ROUNDED OR BEVELED EDGE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES OF THE THE STORM SEWERS OR STRUCTURES INVOLVED.
- FORMS FOR COMBINATION CONCRETE CURB AND GUTTER AND CONCRETE GUTTER TYPE A SHALL BE OF METAL ONLY, EXCEPT THAT WOOD FORMS MAY BE USED ON SHORT RADIUS CURVES.
- ALL PIPE CULVERTS DESIGNATED ON THE PLANS (R.C.C.P.) SHALL BE "REINFORCED CONCRETE CULVERT, STORM DRAIN AND SEWER PIPE" CONFORMING TO THE REQUIREMENTS OF ARTICLE 1042.06.
- PROTECTIVE COAT SHALL BE APPLIED TO ALL GUTTER FLAGS, FACE OF CURB, AND MEDIAN SURFACE AS NEEDED ACCORDING TO THE SEASONAL REQUIREMENTS OF ARTICLE 420.18.
- THE BOUNDARIES OF ALL CURB & GUTTER REMOVAL AND PAVEMENT REMOVAL WILL BE MADE USING A CONCRETE SAW. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF CURB & GUTTER REMOVAL AND / OR PAVEMENT REMOVAL PER ART. 440.03.
- THE CONTRACTOR SHALL NOTIFY IN WRITING THE FOLLOWING EMERGENCY SERVICES 14 DAYS PRIOR TO THE START OF CONSTRUCTION AND PRIOR TO TRAFFIC CHANGES:

BRENT SAUNDERS, FIRE CHIEF O'FALLON FIRE DEPARTMENT P.O. BOX 332 O'FALLON, IL 62269	JOHN BETTEN, DIRECTOR OF PUBLIC SAFETY 285 N. SEVEN HILLS ROAD O'FALLON, ILLINOIS 62269
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12. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MAKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

- AMEREN IP
1050 WEST BOULEVARD
BELLEVILLE, IL 62221
- AT&T CORPORATION
203 GOETHE AVENUE
COLLINSVILLE, IL 62234
- CITY OF O'FALLON WATER
255 SOUTH LINCOLN
O'FALLON, IL 62269
- CHARTER COMMUNICATIONS, INC.
7645 MANGNA DRIVE
SUITE 100
BELLEVILLE, IL 62223

MEMBERS OF J.U.L.I.E. (800) 892-0123 ARE INDICATED BY A "•". NON J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

COMMITMENTS

NONE

STRUCTURAL PAVEMENT DESIGN INFORMATION

PORTER RD & SIMMONS RD			
STRUCTURAL DESIGN TRAFFIC (S.D.T.) : YEAR = 2030			
CURRENT ADT (2010): 8,100			
DESIGN YEAR (2030): 10,900			
CLASS II STREET	P.V.= 9,187	S.U.= 285	M.U.= 29
MINIMUM SOIL SUPPORT: IBR = 3 (ASSUMED FOR ENTIRE PROJECT)			
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:			
P.C.= 50	S.U.= 50	M.U.= 50	T.F. = 0.44

HOT-MIX ASPHALT MIXTURE DESIGNS

MIXTURE USE(S):	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE	HOT-MIX ASPHALT BINDER COURSE	HMA SIDEWALK
AC/PG:	SBS PG 70-22	PG 64-22	PG 64-22
RAP% (MAX): **	0%	10%	10%
DESIGN AIR VOIDS:	4.0% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=90
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-12.5	IL 19.0	IL 19.0
FRICTION AGGREGATE	MIXTURE "D"	MIXTURE "C"	MIXTURE "C"

** IF RAP OPTION IS SELECTED, THE ASPHALT CEMENT GRADE MAY NEED TO BE ADJUSTED. THIS WILL BE DETERMINED BY THE MATERIALS ENGINEER.

LAST SAVED = 11/4/2010
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SUMMARY OF QUANTITIES

PAY ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	2023
20800150	TRENCH BACKFILL	CU YD	23
25000100	SEEDING, CLASS 1	ACRE	0.56
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	56
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	56
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	56
25100115	MULCH, METHOD 2	ACRE	0.56
25200100	SODDING	SQ YD	290
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	61
28000305	TEMPORARY DITCH CHECKS	FOOT	48
28000400	PERIMETER EROSION BARRIER	FOOT	1246
28000500	INLET AND PIPE PROTECTION	EACH	12
31100100	SUBBASE GRANULAR MATERIAL, TYPE A	TON	2269
31101900	SUBBASE GRANULAR MATERIAL, TYPE C	TON	177
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1051
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	185
40603090	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	904
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	254
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	21
42001300	PROTECTIVE COAT	SQ YD	1012
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	2082
42400800	DETECTABLE WARNINGS	SQ FT	240
44000100	PAVEMENT REMOVAL	SQ YD	2064
50105220	PIPE CULVERT REMOVAL	FOOT	181
54200220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	24
54200223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	7
54215550	METAL END SECTIONS 15"	EACH	2
54215553	METAL END SECTIONS 18"	EACH	1
550A0940	STORM SEWERS, CLASS A, TYPE 4 12"	FOOT	174
550A0960	STORM SEWERS, CLASS A, TYPE 4 15"	FOOT	156
550A0980	STORM SEWERS, CLASS A, TYPE 4 18"	FOOT	240
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	1

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
60240385	INLETS, TYPE B, WITH SPECIAL FRAME AND GRATE	EACH	1
60500060	REMOVING INLETS	EACH	1
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1274.5
60607200	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.18 (SPECIAL)	FOOT	166.5
60608300	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12	FOOT	273.5
60611700	COMBINATION CONCRETE CURB AND GUTTER, TYPE B (SPECIAL)	FOOT	313.5
60618310	CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL)	SQ FT	207
67100100	MOBILIZATION	L SUM	1
70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	255
72000100	SIGN PANEL - TYPE 1	SQ FT	135
72000200	SIGN PANEL - TYPE 2	SQ FT	44
72900100	METAL POST - TYPE A	FOOT	186
72900200	METAL POST - TYPE B	FOOT	124
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	45
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	891
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	54
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	138
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	210
* 78200300	PRISMATIC CURB REFLECTOR	EACH	51
* 81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	320
LR420029	PORTLAND CEMENT CONCRETE PAVEMENT 8" (SPECIAL)	SQ YD	372
X0325680	HOT-MIX ASPHALT SIDEWALK	SQ FT	3897
X4404700	SIDEWALK REMOVAL (SPECIAL)	SQ FT	4660
X6020074	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	EACH	1
X6020075	INLETS, TYPE B, TYPE 3V FRAME AND GRATE	EACH	6
* X7800200	PAINT PAVEMENT MARKING CURB	FOOT	305
20013798	CONSTRUCTION LAYOUT	L SUM	1
20042500	POST, SPECIAL	EACH	12
20056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	18

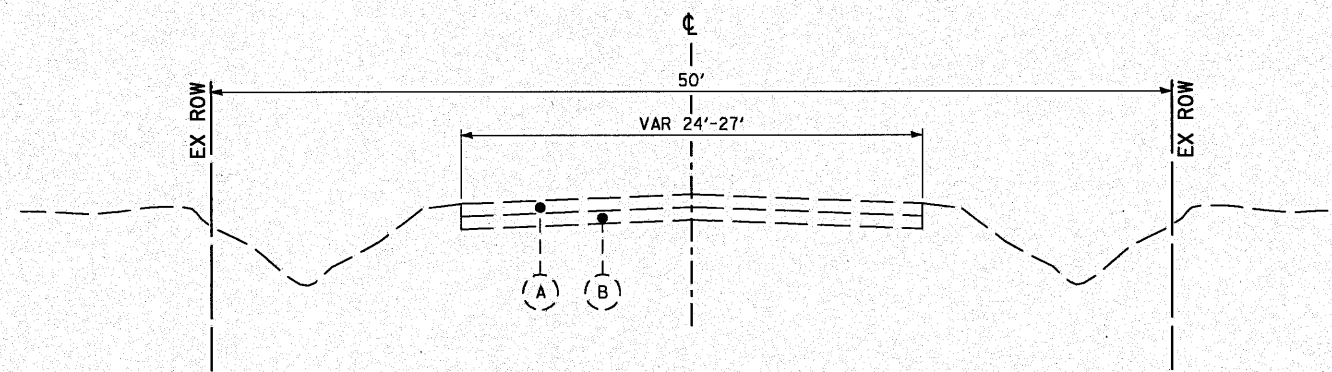
* SPECIALTY ITEMS

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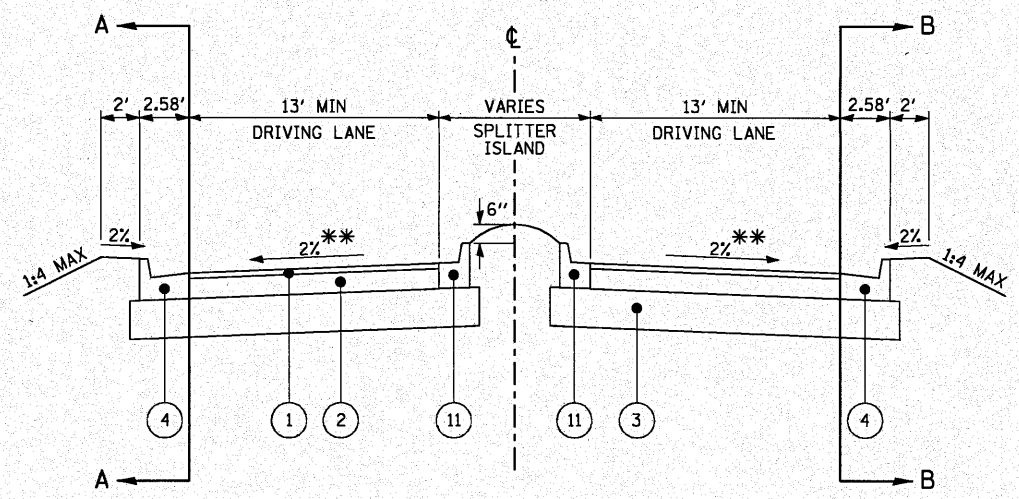
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		DATE -	REVISED -



SCALE: NTS		SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.
		F.A.U. 9170 PORTER / SIMMONS ROADS		TOTAL SHEETS	SHEET NO.
		SECTION 08-00060-00-PV		36	3
		CONTRACT 97408			

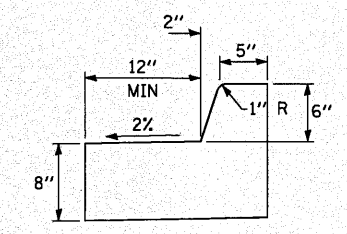


EXISTING TYPICAL SECTION
PORTER RD & SIMMONS RD

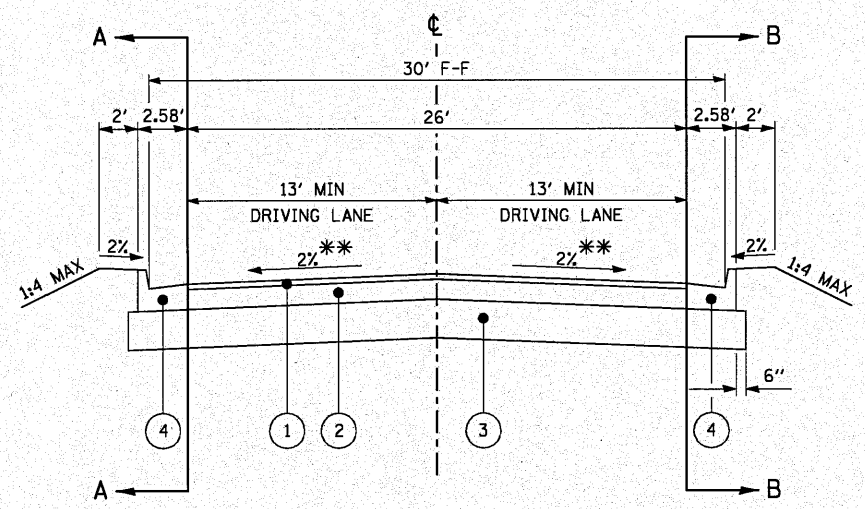


TYPICAL SECTION THROUGH SPLITTER ISLAND
PORTER RD STA 18+87.50 TO STA 19+37.50
PORTER RD STA 20+62.50 TO STA 21+12.50
SIMMONS RD STA 50+62.50 TO STA 51+12.50

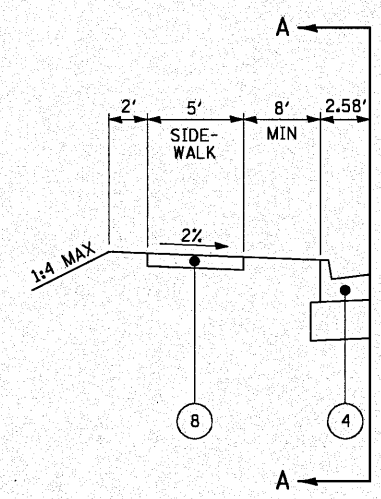
GUTTER FLAG WIDTH VARIES THROUGHOUT THE SPLITTER ISLAND. SEE GEOMETRIC DETAILS FOR FURTHER INFORMATION.



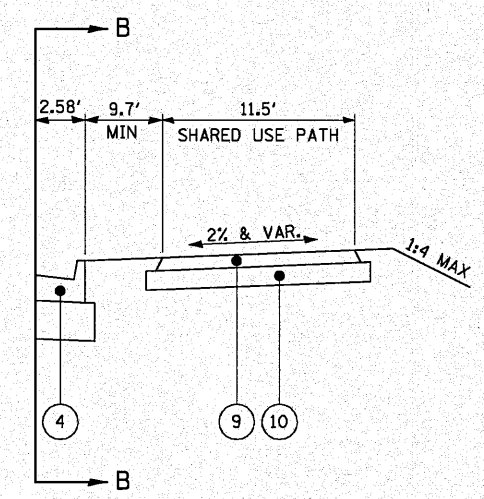
COMBINATION CONCRETE CURB & GUTTER, TYPE B (SPECIAL)



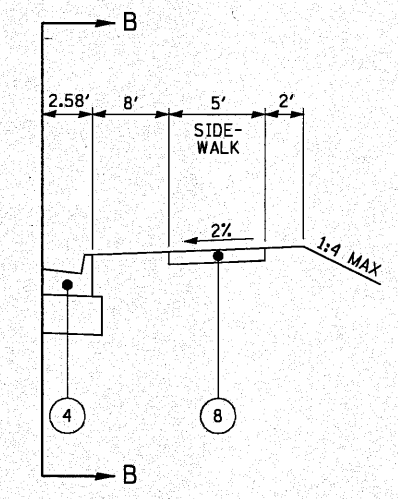
APPROACH TYPICAL SECTION
PORTER RD STA 17+64.81 TO STA 18+87.50
PORTER RD STA 21+12.50 TO STA 22+35.16
SIMMONS RD STA 51+12.50 TO STA 52+35.19



SECTION A-A
PORTER RD STA 18+90.00 TO STA 19+47.68
PORTER RD STA 20+23.19 TO STA 21+05.00
SIMMONS RD STA 50+52.48 TO STA 51+05.00



SECTION B-B
PORTER RD STA 18+55.74 TO STA 21+53.93



SECTION B-B
SIMMONS RD STA 50+26.94 TO STA 51+50.00

** SLOPE VARIES NEAR ROUNDABOUT - SEE GEOMETRIC DETAILS

EXISTING MATERIALS

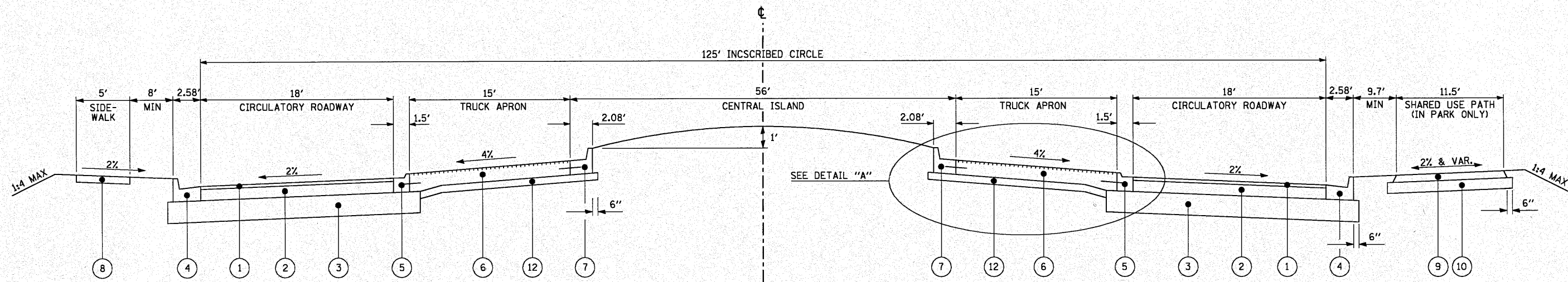
- (A) EXISTING HOT-MIX ASPHALT OVERLAY (± 4")
- (B) EXISTING OIL & CHIP PAVEMENT (DEPTH VARIES)

PROPOSED MATERIALS

- 1 PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90 (1 3/4")
- 2 PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (6 1/4")
- 3 PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A, 12"
- 4 PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- 5 PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.12
- 6 PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT (SPECIAL) 8"
- 7 PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-9.18, SPECIAL
- 8 PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 4"
- 9 PROPOSED HOT-MIX ASPHALT SIDEWALK, 4"
- 10 PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE C, 6"
- 11 PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B (SPECIAL)

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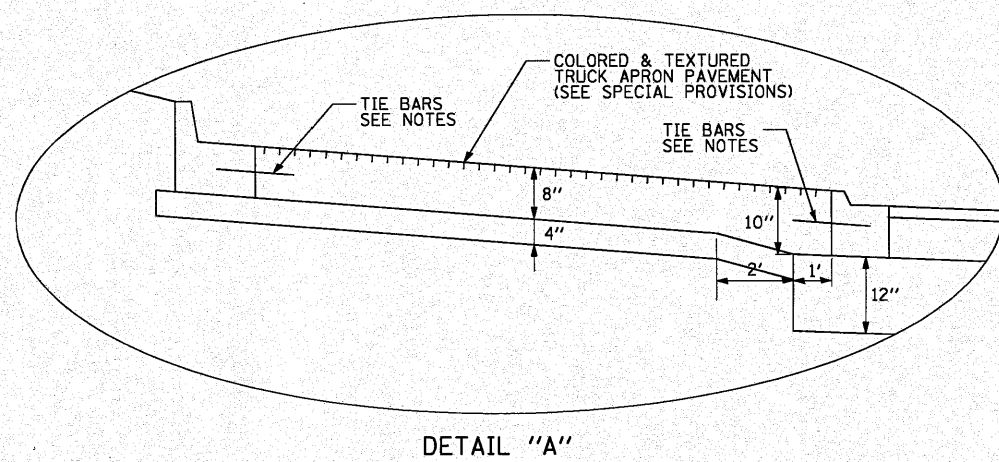


TYPICAL SECTION THROUGH ROUNDABOUT

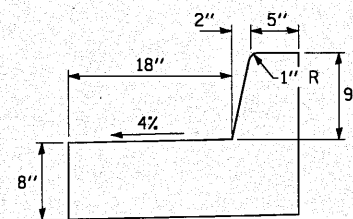
PORTER RD STA 19+37.50 TO STA 20+62.50
SIMMONS RD STA 50+00 TO STA 50+62.50

NOTES

1. TIE BARS IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT AS SHOWN ON STANDARD 420001. COST OF TIE BARS INCLUDED IN THE COST OF FCC PAVEMENT.



DETAIL "A"



COMBINATION CONCRETE CURB & GUTTER, TYPE B-9.18, SPECIAL

EXISTING MATERIALS

- (A) EXISTING HOT-MIX ASPHALT OVERLAY (± 4")
- (B) EXISTING OIL & CHIP PAVEMENT (DEPTH VARIES)

PROPOSED MATERIALS

- 1 PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90 (1 3/4")
- 2 PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (6 1/4")
- 3 PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A, 12"
- 4 PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- 5 PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.12
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- 8 PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 4"
- 9 PROPOSED HOT-MIX ASPHALT SIDEWALK, 4"
- 10 PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE C, 6"
- 11 PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B (SPECIAL)
- 12 PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A, 4"

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TYPICAL SECTIONS

SCALE: NTS SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.U. 9170
PORTER / SIMMONS ROADS
SECTION 08-00060-00-PV
CONTRACT 97408

TOTAL SHEETS	SHEET NO.
36	5

EARTHWORK						
STATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%)	SHRINKAGE FACTOR	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	
	CU YD	CU YD		CU YD	CU YD	
17+00.00 TO 23+00.00	1721	1293	25	911	382	
50+00.00 TO 53+00.00	302	226	25	576	-350	
TOTALS:	2023	1519	50	1487	32	

SEEDING								
STATION	SIDE	SEEDING CLASS 1	TEMPORARY EROSION CONTROL SEEDING	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH METHOD 2	SODDING
		ACRE	POUND	POUND	POUND	POUND	ACRE	SQ YD
17+64.81 TO 52+35.19	NW QUAD	0.17	17	15	15	15	0.17	
17+64.81 TO 22+35.16	SOUTH QUAD	0.27	27	24	24	24	0.27	
19+18.08 TO 19+33.90	WEST ISLAND		0	1	1	1		19
19+73.50 TO 20+26.50	ROUNDABOUT		5	3	3	3		235
20+65.86 TO 20+81.92	EAST ISLAND		0	1	1	1		19
50+66.01 TO 50+81.92	NORTH ISLAND		0	1	1	1		17
52+35.19 TO 22+35.16	NE QUAD	0.12	12	11	11	11	0.12	
TOTALS:		0.56	61	56	56	56	0.56	290

EROSION CONTROL						
STATION	STRUCTURE NUMBER	OFFSET	SIDE	TEMPORARY DITCH CHECK	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION
				FOOT	FOOT	EACH
17+57.56	4-2/1	19.88	RT			1
17+57.83	5/1	20.63	LT			1
17+63.81 TO 52+35.19			LT/LT		342	
17+64.81 TO 22+35.16			RT		540	
17+71.80	4/1	15.20	LT			1
17+71.80	4-1/1	15.20	RT			1
18+98.42	3/1	22.81	LT			1
19+00.24	3-1/1	20.30	RT			1
19+82.30	3-2/1	62.03	RT			1
19+92.11	3-3/1	64.02	RT			1
22+50.00			LT/RT	24		
50+82.41	2/1	23.46	LT			1
50+85.25	2-1/1	27.46	RT			1
52+35.19 TO 22+35.16			RT/LT		364	
52+50.00			LT/RT	24		2
TOTALS:				48	1246	12

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SCHEDULES OF QUANTITIES			
SCALE: NTS	SHEET NO. 1 OF 4 SHEETS	STA.	TO STA.

F.A.U. 9170	TOTAL SHEETS	SHEET NO.
PORTER / SIMMONS ROADS	36	6
SECTION 08-0060-00-PV		
CONTRACT 97408		

PAVING													
STATION	OFFSET	SIDE	LOCATION	PAVEMENT REMOVAL	PROTECTIVE COAT	CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL)	PORTLAND CEMENT CONCRETE PAVEMENT 8" (SPECIAL)	BITUMINOUS MATERIAL (PRIME COAT)	SUB-BASE GRANULAR MATERIAL, TYPE A	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	INCIDENTAL HOT-MIX ASPHALT SURFACING
				SQ YD	SQ YD	SQ FT	SQ YD	GALLON	TON	TON	TON	SQ YD	TON
17+38.68 TO 17+64.81			WEST TIE IN					7				77	9
17+64.81 TO 22+35.16			PORTER RD	1348				644	1349	564	158		
18+89.21 TO 19+06.92			WEST ISLAND		8	70							
19+57.00 TO 20+43.00			CENTER ISLAND		372		372						
19+58.00 TO 20+42.00			CENTER ISLAND						89				
20+93.08 TO 21+10.79			EAST ISLAND		8	69							
22+35.16 TO 22+55.16			EAST TIE IN					6				60	7
50+19.83 TO 52+35.19			SIMMONS RD	716				389	831	340	96		
50+93.08 TO 51+10.79			NORTH ISLAND		8	68							
52+35.19 TO 52+50.26			NORTH TIE IN					5				48	5
TOTALS:				2064	396	207	372	1051	2269	904	254	185	21

SIDEWALK						
STATION	SIDE	SIDEWALK REMOVAL (SPECIAL)	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	HOT-MIX ASPHALT SIDEWALK	DETECTABLE WARNINGS	SUB-BASE GRANULAR MATERIAL, TYPE C 6 INCH
		SQ FT	SQ FT	SQ FT	SQ FT	TONS
18+55.89 TO 21+53.82	RIGHT	4660		3897		177
18+90.00 TO 51+05.00	LEFT		974			
19+01.68 TO 19+11.31	LEFT				20	
19+03.68 TO 19+13.35	RIGHT		68		20	
19+07.34 TO 19+17.57	CENTER				40	
20+82.45 TO 20+92.64	CENTER				40	
20+86.88 TO 20+96.64	LEFT				20	
20+87.52 TO 20+97.15	RIGHT		68		20	
50+82.45 TO 50+92.61	CENTER				40	
50+85.88 TO 50+95.71	LEFT				20	
50+88.75 TO 50+98.37	RIGHT				20	
51+50.00 TO 21+05.00	RIGHT/LEFT		972			
TOTALS:		4660	2082	3897	240	177

CURB AND GUTTER								
STATION	OFFSET	SIDE	LOCATION	PROTECTIVE COAT	COMBINATION CONCRETE CURB AND GUTTER TYPE B (SPECIAL)	COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24	COMBINATION CONCRETE CURB AND GUTTER TYPE B-9.18 (SPECIAL)	COMBINATION CONCRETE CURB AND GUTTER TYPE M-2.12
				SQ YD	FOOT	FOOT	FOOT	FOOT
17+64.81 TO 52+35.19	15	LT	NW QUAD	133		388.5		
17+64.81 TO 22+35.16	15	RT	SOUTH QUAD	169		493.5		
18+89.21 TO 19+34.49			WEST ISLAND	25	104.5			
19+56.50 TO 20+43.50			CENTER ISLAND	51				273.5
19+73.50 TO 20+26.50			CENTER ISLAND	53			166.5	
20+65.27 TO 21+11.41			EAST ISLAND	25	105.0			
50+65.42 TO 51+10.79			NORTH ISLAND	25	104.0			
52+35.19 TO 22+35.16	15	RT/LT	NE QUAD	135		392.5		
TOTALS:				616	313.5	1274.5	166.5	273.5

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SCHEDULES OF QUANTITIES

SCALE: NTS SHEET NO. 2 OF 4 SHEETS STA. TO STA.

F.A.U. 9170	TOTAL SHEETS	SHEET NO.
PORTER / SIMMONS ROADS	36	7
SECTION 08-0060-00-PV		
CONTRACT 97408		

STORM SEWER										
STATION	STRUCTURE NUMBER	STRUCTURE NUMBER	SIDE	TRENCH BACKFILL	PIPE CULVERTS, CLASS D, TYPE 1 15"	PIPE CULVERTS, CLASS D, TYPE 1 18"	STORM SEWERS, TYPE 1 (WATER MAIN REQUIREMENTS) 12"	STORM SEWERS, CLASS A, TYPE 4 12"	STORM SEWERS, CLASS A, TYPE 4 15"	STORM SEWERS, CLASS A, TYPE 4 18"
				CU YD	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT
17+57.56 TO 17+71.81	4-2/1	4-1/1	RT		12					
17+57.83 TO 17+71.81	5/1	4/1	LT		12					
17+71.81 TO 17+71.81	4-1/1	4/1	RT/LT	2.4					30	
17+71.81 TO 18+98.42	4/1	3/1	LT	10.0					126	
18+98.42 TO 19+00.24	3/1	3-1/1	LT/RT	3.5				42		
19+00.24 TO 19+82.30	3-1/1	3-2/1	RT	4.5			9	82		
19+82.30 TO 19+92.11	3-2/1	3-3/1	RT	0.1			9			
18+98.42 TO 50+82.41	3/1	2/1	LT							95
50+82.41 TO 50+85.25	2/1	2-1/1	LT/RT	1.8				50		
50+82.41 TO 52+35.24	2/1	1/1	LT							145
52+35.24 TO 52+44.66	1/1	0/1	LT			7				
UNROUNDED TOTAL:				22.3						
TOTALS:				23	24	7	18	174	156	240

CONDUIT			
STATION	SIDE	CONDUIT IN TRENCH, 4" DIA, PVC	FOOT
19+30.00 TO 19+80.00	CENTER		50
19+20.00 TO 19+20.00	LEFT/RIGHT		60
19+65.06 TO 19+92.22	RIGHT		50
20+20.00 TO 20+70.00	CENTER		50
20+80.00 TO 20+80.00	LEFT/RIGHT		60
50+20.00 TO 50+70.00	CENTER		50
TOTALS:			320

UTILITY ADJUSTMENTS (PERFORMED BY THE CITY OF O'FALLON)			
STATION	OFFSET	FIRE HYDRANTS TO BE ADJUSTED	ADJUSTING WATER VALVES 12"
		EACH	EACH
19+06.19	61.8 RT	1	
20+48.02	68.8 RT		1
20+52.66	61.5 RT		1
20+58.07	66.6 RT		1
TOTAL:		1	3

STORM SEWER STRUCTURE									
STATION	STRUCTURE NUMBER	OFFSET	SIDE	METAL END SECTIONS 15"	METAL END SECTIONS 18"	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	INLETS, TYPE B, WITH SPECIAL FRAME AND GRATE	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	INLETS, TYPE B, TYPE 3V FRAME AND GRATE
				EACH	EACH	EACH	EACH	EACH	EACH
17+57.56	4-2/1	19.88	RT	1					
17+57.83	5/1	20.63	LT	1					
17+71.80	4/1	15.20	LT						1
17+71.80	4-1/1	15.20	RT						1
18+98.42	3/1	22.81	LT						1
19+00.24	3-1/1	20.30	RT						1
19+82.30	3-2/1	62.03	RT						1
19+92.11	3-3/1	64.02	RT			1			
50+82.41	2/1	23.46	LT						1
50+85.25	2-1/1	27.46	RT					1	
52+35.24	1/1	18.59	LT				1		
52+44.66	0/1	21.96	LT		1				
TOTALS:				2	1	1	1	1	6

PIPE CULVERT AND INLET REMOVAL					
STATION	OFFSET	OFFSET	DESCRIPTION	PIPE CULVERT REMOVAL	REMOVING INLETS
				FOOT	FOOT
18+33.16 TO 18+43.50	19.55 LT	18.74 RT	15" CMP	40	
19+15.30 TO 51+14.84	21.54 LT	18.94 LT	15" PVC	141	
19+73.87	32.67 LT				1
TOTAL:				181	1

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SIGN						
STATION	SIGN CODE	SIGN PANEL -	SIGN PANEL -	METAL SIGN	METAL SIGN	POST, SPECIAL
		TYPE 1	TYPE 2	POST - TYPE A	POST - TYPE B	
		SQ FT	SQ FT	FOOT	FOOT	EACH
▪	W2-6	6.25		32		
▪	W13-1	1.13				
▪	DIA. SIGN EASTBOUND		16		30	
17+74.24	W3-2	9.00		30		
18+93.96	R4-7	5.00				1
18+98.44	W11-2A	6.25				1
18+98.44	W16-7P	2.00				
19+14.52	W11-2A	6.25				1
19+14.52	W16-7P	2.00				
19+23.16	R1-2	3.90				1
19+81.09	R6-1R	3.00			12	
19+93.22	R6-1R	3.00			12	
20+18.91	R6-1R	3.00			12	
20+74.73	R1-2	3.90				1
20+84.41	W11-2A	6.25				1
20+84.41	W16-7P	2.00				
21+01.94	W11-2A	6.25				1
21+01.94	W16-7P	2.00				
21+06.49	R4-7	5.00				1
22+23.75	W3-2	9.00		30		
▪	DIA. SIGN WESTBOUND		16		30	
▪	W2-6	6.25		32		
▪	W13-1	1.13				
50+76.63	R1-2	3.90				1
50+85.53	W11-2A	6.25				1
50+85.53	W16-7P	2.00				
51+00.91	W11-2A	6.25				1
51+00.91	W16-7P	2.00				
51+06.27	R4-7	5.00				1
52+25.51	W3-2	9.00		30		
▪	DIA SIGN SOUTHBOUND		12		28	
▪	W2-6	6.25		32		
▪	W13-1	1.13				
	UNROUNDED TOTAL:	134.34				
	TOTALS:	135	44	186	124	12

• SEE PLANS FOR SPECIFIC SIGN LOCATIONS

PAVEMENT MARKING									
STATION	DESCRIPTION	THERMOPLASTIC PAVEMENT MARKING					TEMPORARY PAVEMENT MARKING - LINE 4"	PAINT PAVEMENT MARKING CURB	PRISMATIC CURB REFLECTOR
		LETTERS AND SYMBOLS	LINE 4"	LINE 8"	LINE 12"	LINE 24"			
		SQ FT	FOOT	FOOT	FOOT	FOOT			
17+65.00 TO 19+39.41	SPLITTER ISLAND		298		47				
18+88.50 TO 19+35.85	RAISED ISLAND						102	17	
19+02.91 TO 19+16.79	SOLID WHITE CROSSWALK					70			
19+24.55 TO 19+32.44	WHITE YIELD BAR	15							
19+38.49 TO 19+52.44	WHITE 3' - 3' DASH			18					
19+57.16 TO 50+47.20	TEMPORARY PAINT WHITE						126		
19+57.16 TO 50+47.20	TEMPORARY PAINT YELLOW						129		
20+48.62 TO 20+60.90	WHITE 3' - 3' DASH			18					
20+60.89 TO 22+34.98	SPLITTER ISLAND		295		43				
20+64.23 TO 21+11.49	RAISED ISLAND						103	17	
20+67.29 TO 20+75.11	WHITE YIELD BAR	15							
20+82.80 TO 20+95.78	SOLID WHITE CROSSWALK					70			
50+49.60 TO 50+61.66	WHITE 3' - 3' DASH			18					
50+60.57 TO 52+35.00	SPLITTER ISLAND		298		48				
50+64.22 TO 51+11.49	RAISED ISLAND						100	17	
50+67.82 TO 50+75.78	WHITE YIELD BAR	15							
50+83.20 TO 50+97.11	SOLID WHITE CROSSWALK					70			
	TOTALS:	45	891	54	138	210	255	305	51

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DESIGNED -
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DATE -

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SCHEDULES OF QUANTITIES

SCALE: NTS SHEET NO. 4 OF 4 SHEETS STA. TO STA.

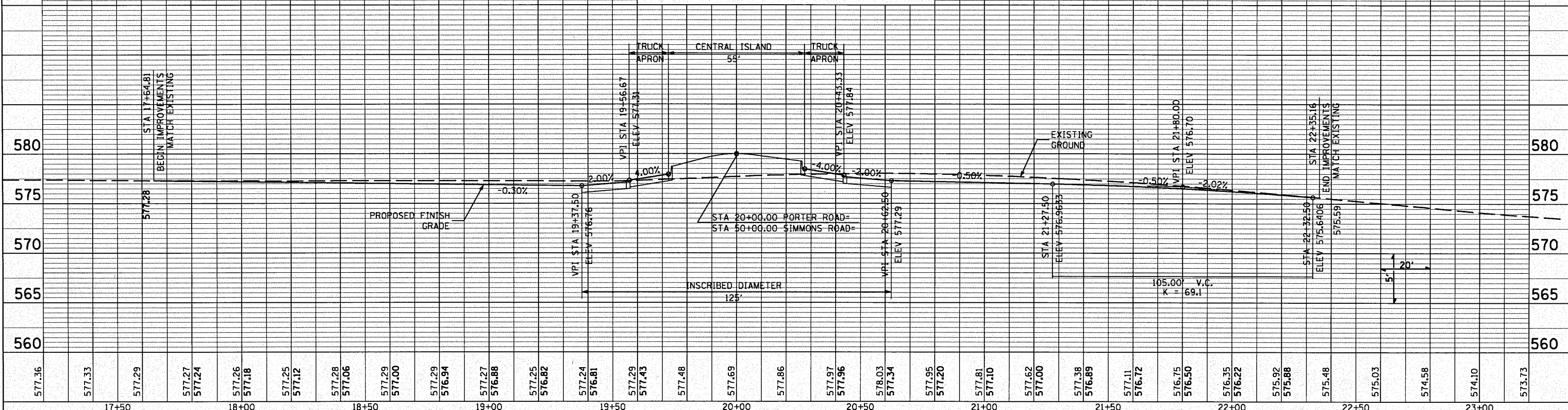
F.A.U. 9170
PORTER / SIMMONS ROADS
SECTION 08-00060-00-PV
CONTRACT 97408

TOTAL SHEETS 36 SHEET NO. 9

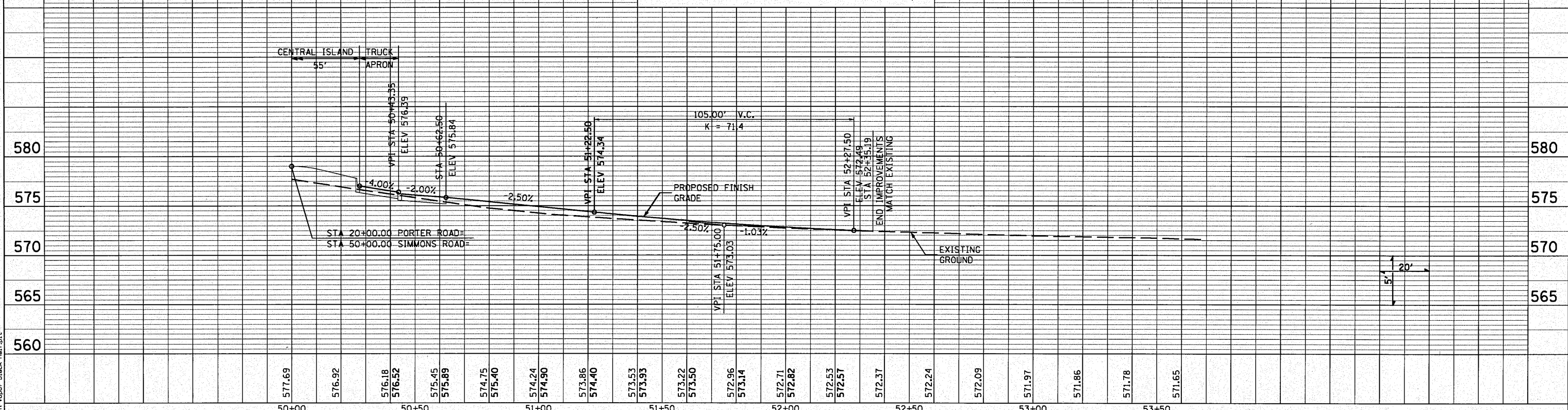
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PORTER ROAD PROFILE



SIMMONS ROAD PROFILE



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		CHECKED -	REVISOR -								
								SECTION 08-0060-00-PV			
								CONTRACT 97408			

MAINTENANCE OF TRAFFIC PLAN

PRE STAGE 1

DAY ONLY CLOSURE OF PORTER WEST LEG USING BLR 21-8

1. INSTALL STORM SEWER LATERALS ACROSS THE WEST LEG OF PORTER ROAD.

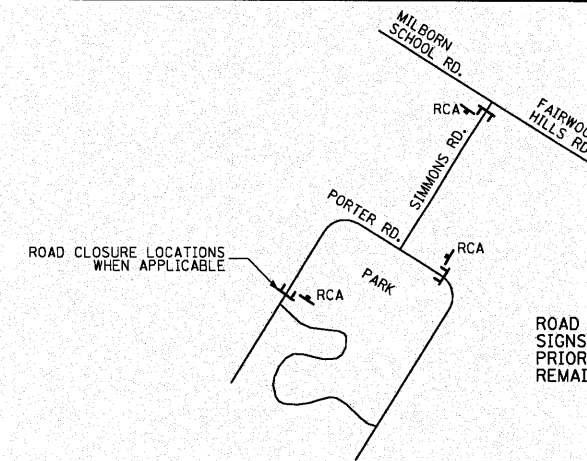
PREVIOUS TO PHASE I-B, DAY ONLY CLOSURE OF SIMMONS ROAD USING BLR 21-8

1. INSTALL STORM SEWER LATERAL ACROSS SIMMONS ROAD.

STAGE 1

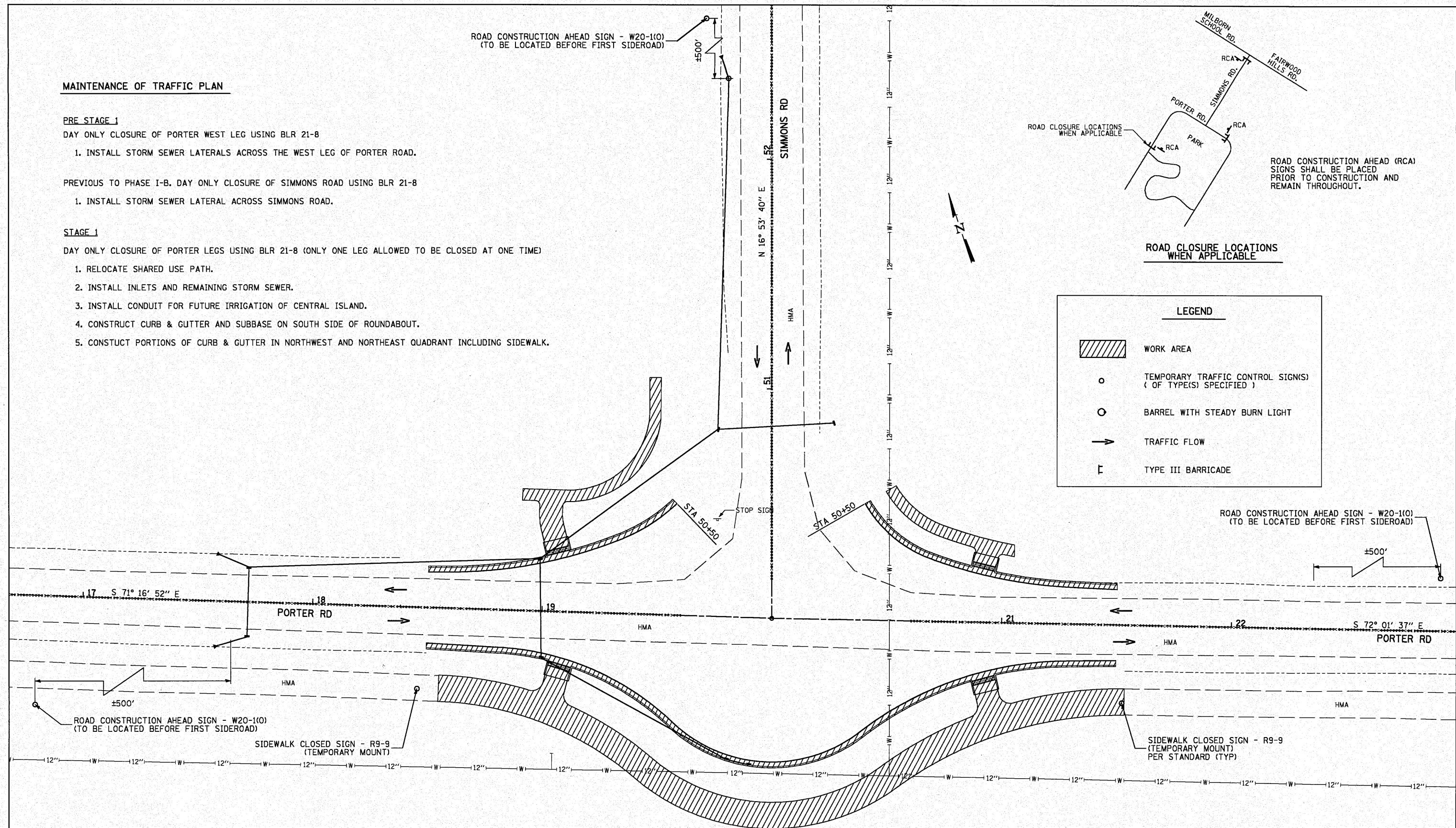
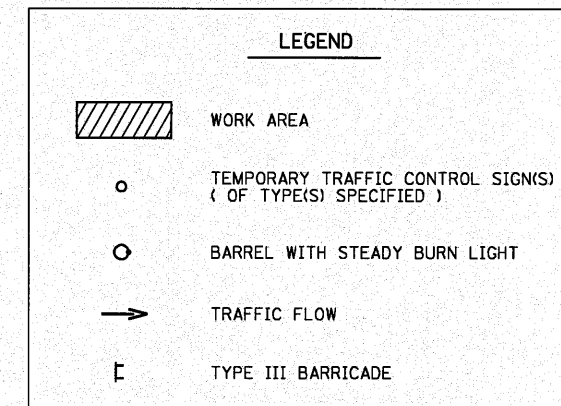
DAY ONLY CLOSURE OF PORTER LEGS USING BLR 21-8 (ONLY ONE LEG ALLOWED TO BE CLOSED AT ONE TIME)

1. RELOCATE SHARED USE PATH.
2. INSTALL INLETS AND REMAINING STORM SEWER.
3. INSTALL CONDUIT FOR FUTURE IRRIGATION OF CENTRAL ISLAND.
4. CONSTRUCT CURB & GUTTER AND SUBBASE ON SOUTH SIDE OF ROUNDABOUT.
5. CONSTRUCT PORTIONS OF CURB & GUTTER IN NORTHWEST AND NORTHEAST QUADRANT INCLUDING SIDEWALK.



ROAD CONSTRUCTION AHEAD (RCA) SIGNS SHALL BE PLACED PRIOR TO CONSTRUCTION AND REMAIN THROUGHOUT.

ROAD CLOSURE LOCATIONS WHEN APPLICABLE



TRAFFIC CONTROL FOR ALL STAGES TO BE PAID PER LUMP SUM AS TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21



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				SCALE: 1"=20'	SHEET NO. 1 OF 3 SHEETS	STA.	TO STA.		






MAINTENANCE OF TRAFFIC PLAN

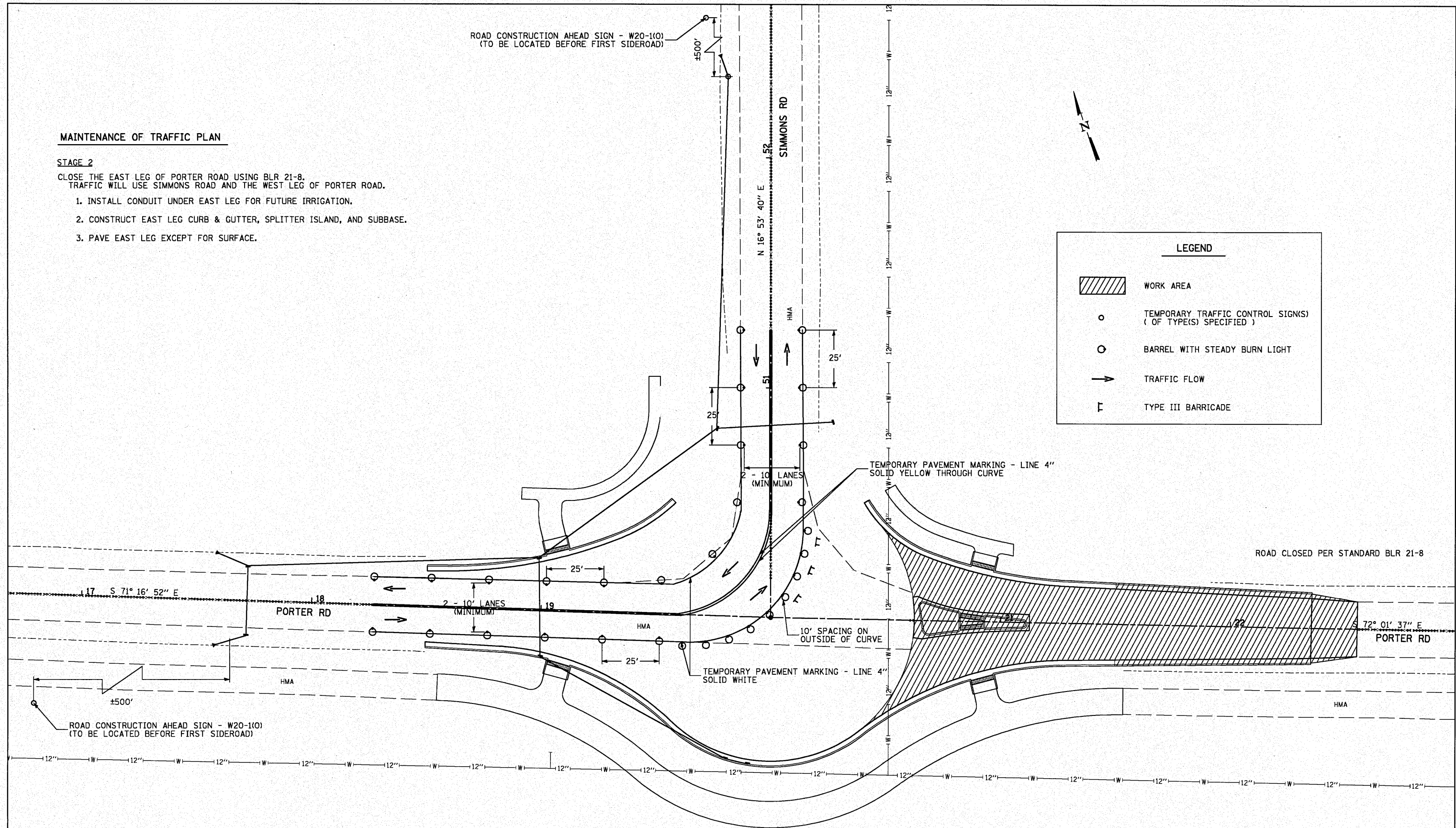
STAGE 2

CLOSE THE EAST LEG OF PORTER ROAD USING BLR 21-8.
TRAFFIC WILL USE SIMMONS ROAD AND THE WEST LEG OF PORTER ROAD.

1. INSTALL CONDUIT UNDER EAST LEG FOR FUTURE IRRIGATION.
2. CONSTRUCT EAST LEG CURB & GUTTER, SPLITTER ISLAND, AND SUBBASE.
3. PAVE EAST LEG EXCEPT FOR SURFACE.

LEGEND

-  WORK AREA
-  TEMPORARY TRAFFIC CONTROL SIGN(S)
(OF TYPE(S) SPECIFIED)
-  BARREL WITH STEADY BURN LIGHT
-  TRAFFIC FLOW
-  TYPE III BARRICADE



ROAD CLOSED PER STANDARD BLR 21-8



LAST SAVED = 11/11/2009
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CONSTRUCTION STAGING			
STAGE 2			
SCALE: 1"=20'	SHEET NO. 2 OF 3 SHEETS	STA.	TO STA.

F.A.U. 9170		TOTAL SHEETS	SHEET NO.
PORTER / SIMMONS ROADS		13	
SECTION 08-00060-00-PV			
CONTRACT 97408			

MAINTENANCE OF TRAFFIC PLAN

STAGE 3

CLOSE THE ENTIRE INTERSECTION USING BLR 21-8 (MAXIMUM OF 28 CONSECUTIVE CALENDAR DAYS)

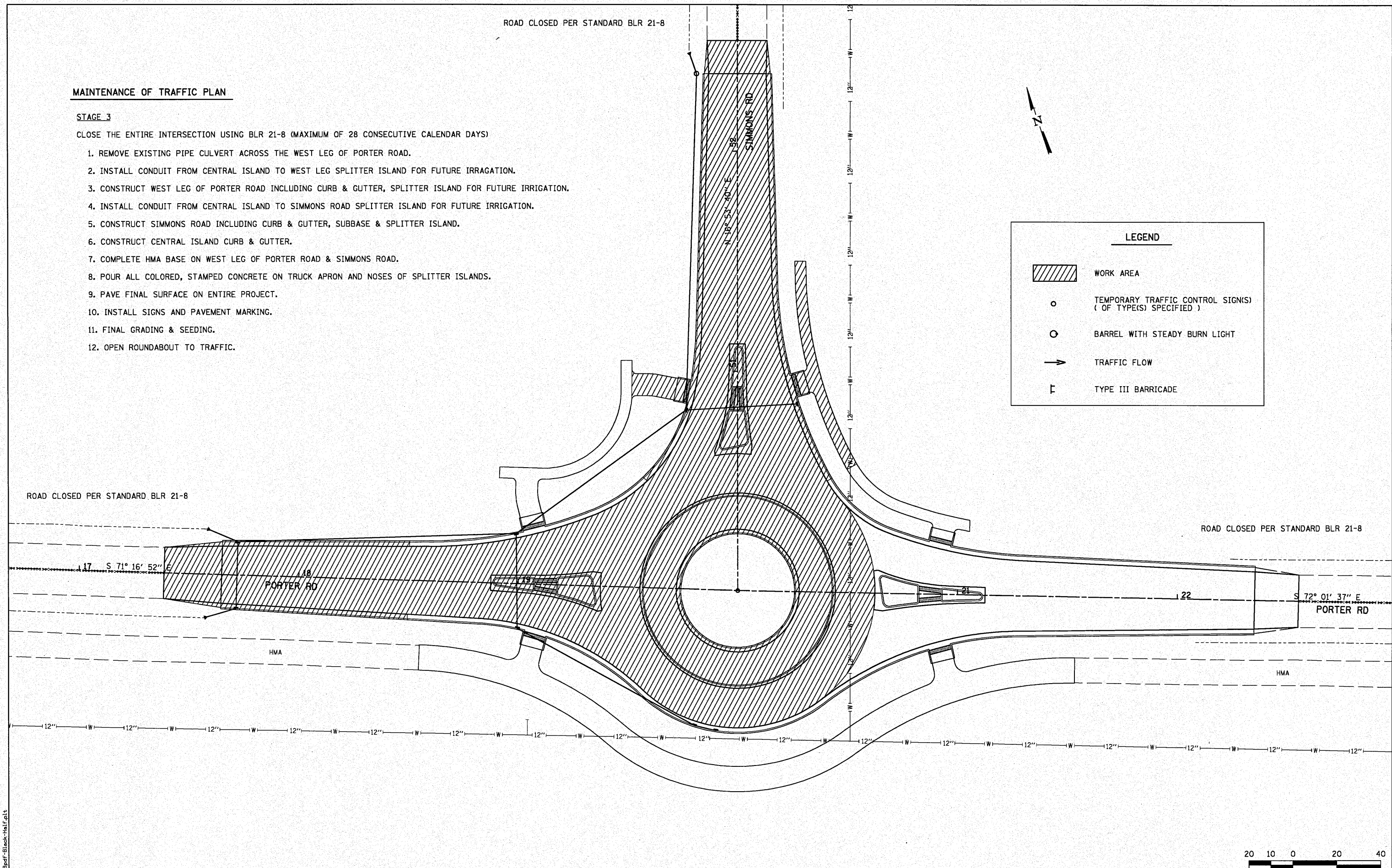
1. REMOVE EXISTING PIPE CULVERT ACROSS THE WEST LEG OF PORTER ROAD.
2. INSTALL CONDUIT FROM CENTRAL ISLAND TO WEST LEG SPLITTER ISLAND FOR FUTURE IRRIGATION.
3. CONSTRUCT WEST LEG OF PORTER ROAD INCLUDING CURB & GUTTER, SPLITTER ISLAND FOR FUTURE IRRIGATION.
4. INSTALL CONDUIT FROM CENTRAL ISLAND TO SIMMONS ROAD SPLITTER ISLAND FOR FUTURE IRRIGATION.
5. CONSTRUCT SIMMONS ROAD INCLUDING CURB & GUTTER, SUBBASE & SPLITTER ISLAND.
6. CONSTRUCT CENTRAL ISLAND CURB & GUTTER.
7. COMPLETE HMA BASE ON WEST LEG OF PORTER ROAD & SIMMONS ROAD.
8. POUR ALL COLORED, STAMPED CONCRETE ON TRUCK APRON AND NOSES OF SPLITTER ISLANDS.
9. PAVE FINAL SURFACE ON ENTIRE PROJECT.
10. INSTALL SIGNS AND PAVEMENT MARKING.
11. FINAL GRADING & SEEDING.
12. OPEN ROUNDABOUT TO TRAFFIC.

ROAD CLOSED PER STANDARD BLR 21-8



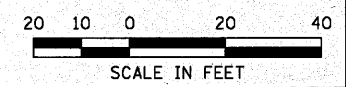
LEGEND

- WORK AREA
- TEMPORARY TRAFFIC CONTROL SIGN(S)
(OF TYPE(S) SPECIFIED)
- BARREL WITH STEADY BURN LIGHT
- TRAFFIC FLOW
- TYPE III BARRICADE



ROAD CLOSED PER STANDARD BLR 21-8

ROAD CLOSED PER STANDARD BLR 21-8

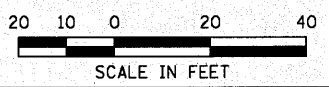
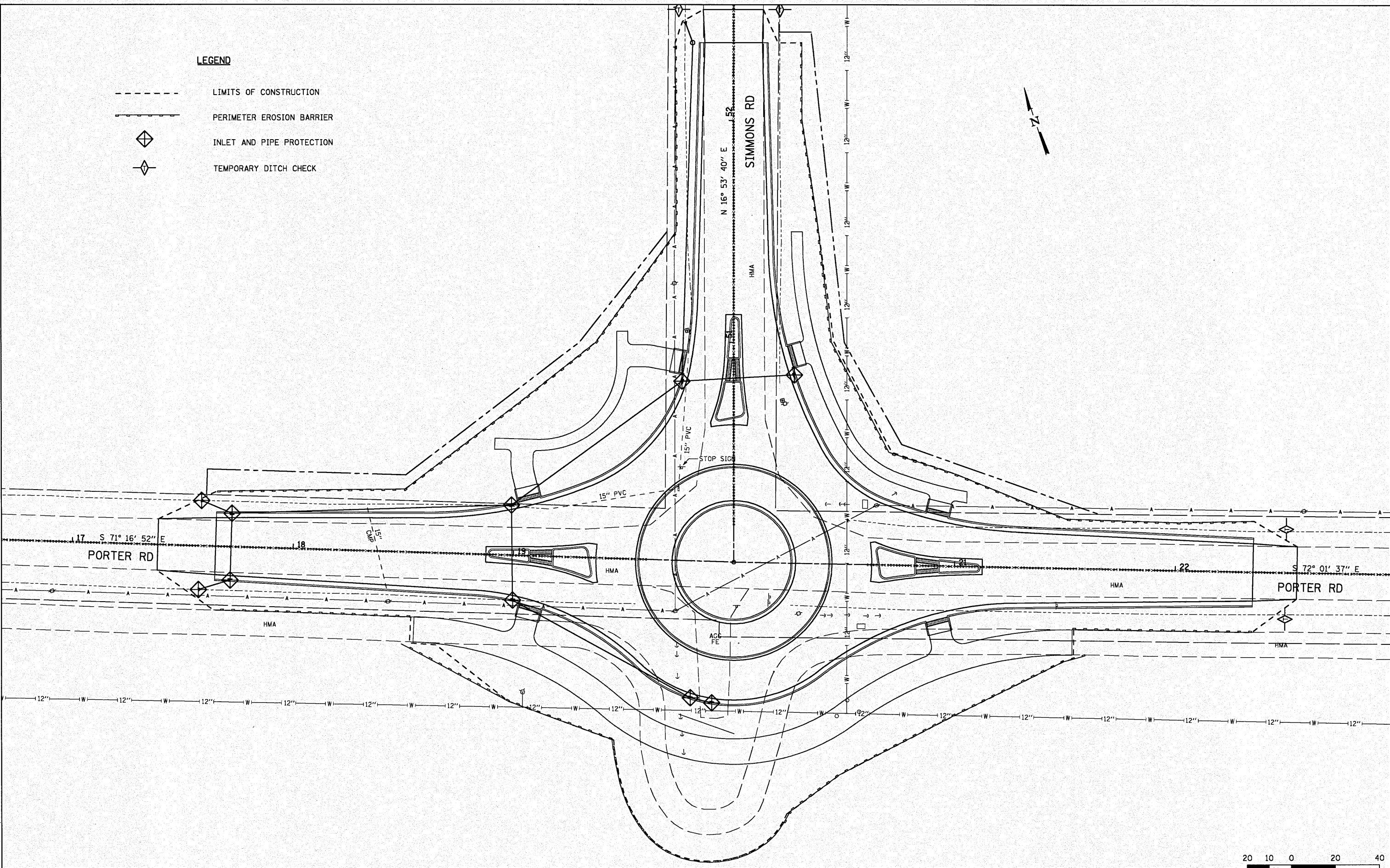


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 PLOT DRIVER = TR-VBpdf-Black-Hair.plt

FILE NAME =	USER NAME = sdonehue	DESIGNED -	REVISED -			CONSTRUCTION STAGING		F.A.U. 9170	TOTAL SHEETS	SHEET NO.			
1:\0812900\cad\1\plane\10_08XXXXX-Sht-Staging-03.dgn						DRAWN -	REVISED -	STAGE 3		PORTER / SIMMONS ROADS		36	14
PLOT SCALE = 40.0018' / IN.						CHECKED -	REVISED -	SCALE: 1"=20'		SECTION 08-0060-00-PV			
PLOT DATE = 11/4/2010 1:18:22 PM						DATE -	REVISED -	SHEET NO. 3 OF 3 SHEETS		CONTRACT 97408			

LEGEND

- LIMITS OF CONSTRUCTION
- - - PERIMETER EROSION BARRIER
- ◇ INLET AND PIPE PROTECTION
- ◇ TEMPORARY DITCH CHECK



LAST SAVED = 11/29/2010
 PEN TABLE = VB-Half.tbl
 PLOT DRIVER = TR-VBpdf-Black-Half.plt

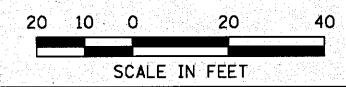
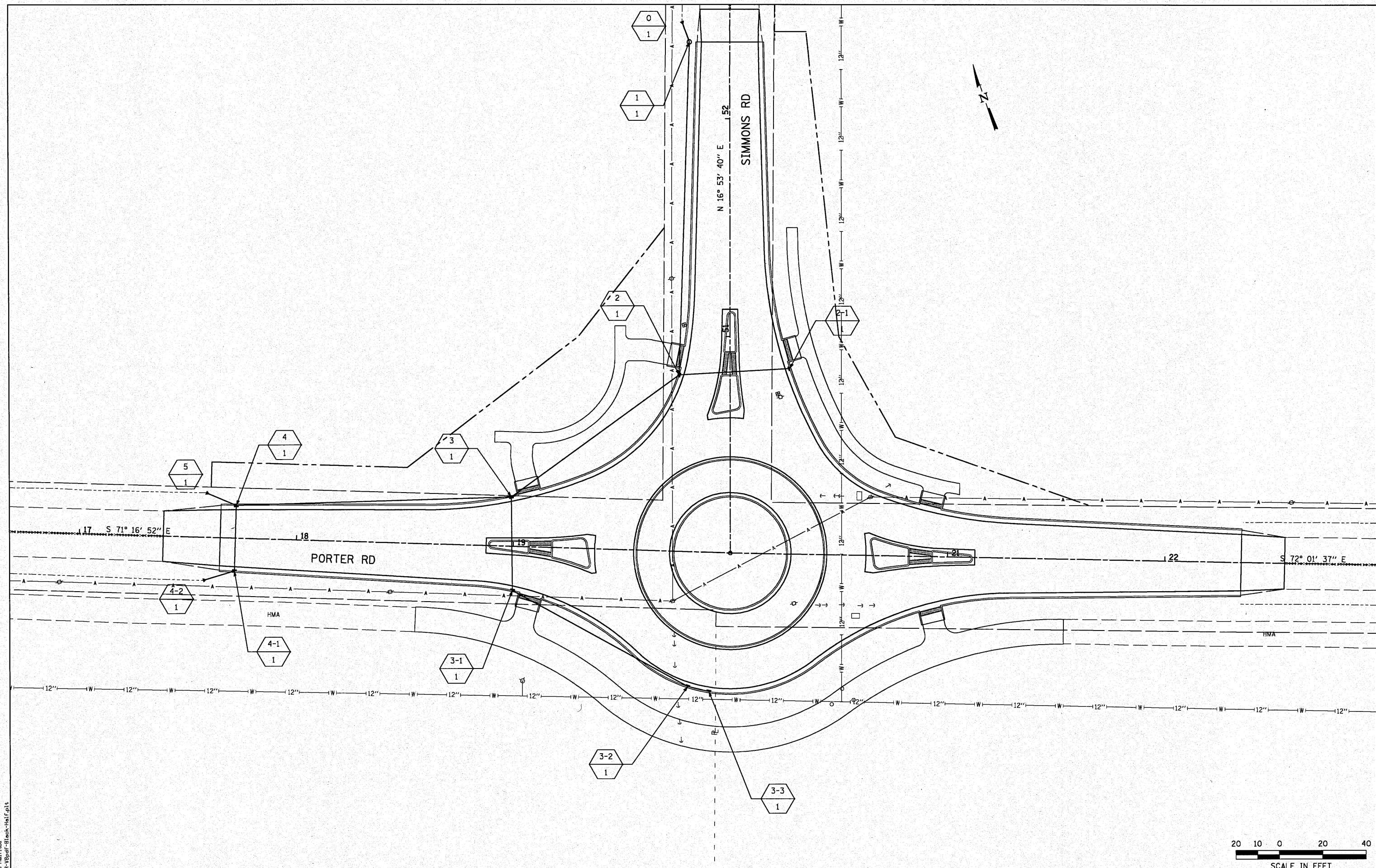
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PLOT SCALE = 40.0018' / IN.		CHECKED -	REVISED -
PLOT DATE = 11/4/2010 1:18:38 PM		DATE -	REVISED -



EROSION CONTROL PLAN

SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. 9170	TOTAL SHEETS	SHEET NO.
PORTER / SIMMONS ROADS	36	15
SECTION 08-0060-00-PV		
CONTRACT 97408		



LAST SAVED = 11/29/2010
 PEN TABLE = vba.tbl
 PLOT DRIVER = tr-VBpdf-Black-HalF.plt

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PLOT DATE = 11/4/2010 1:18:38 PM		DATE -	REVISED -

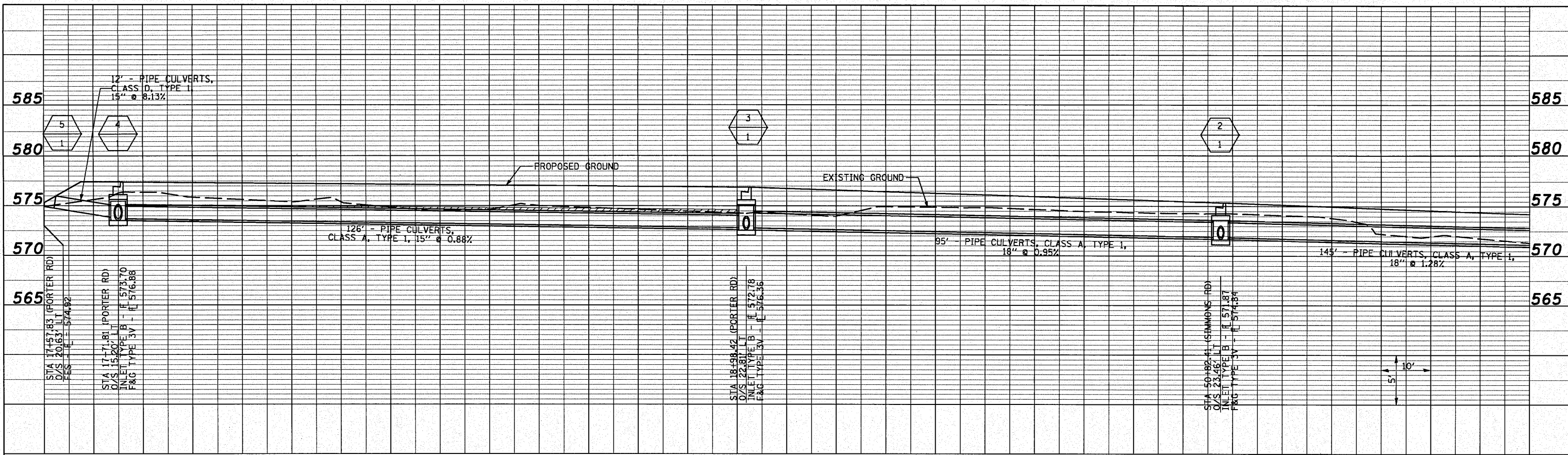
HORNER & SHIFRIN, INC.
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 ILLINOIS

DRAINAGE PLAN			
SCALE: 1"=20'	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

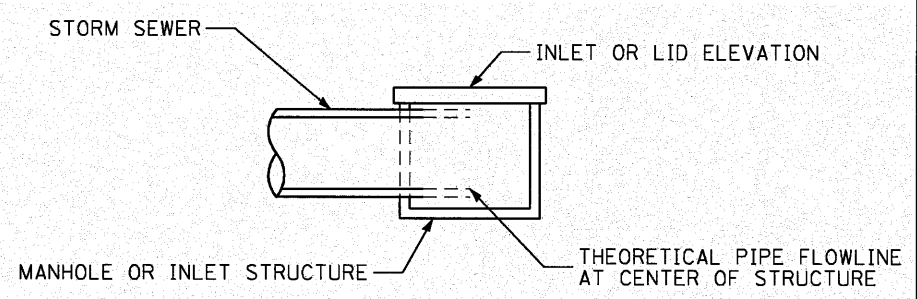
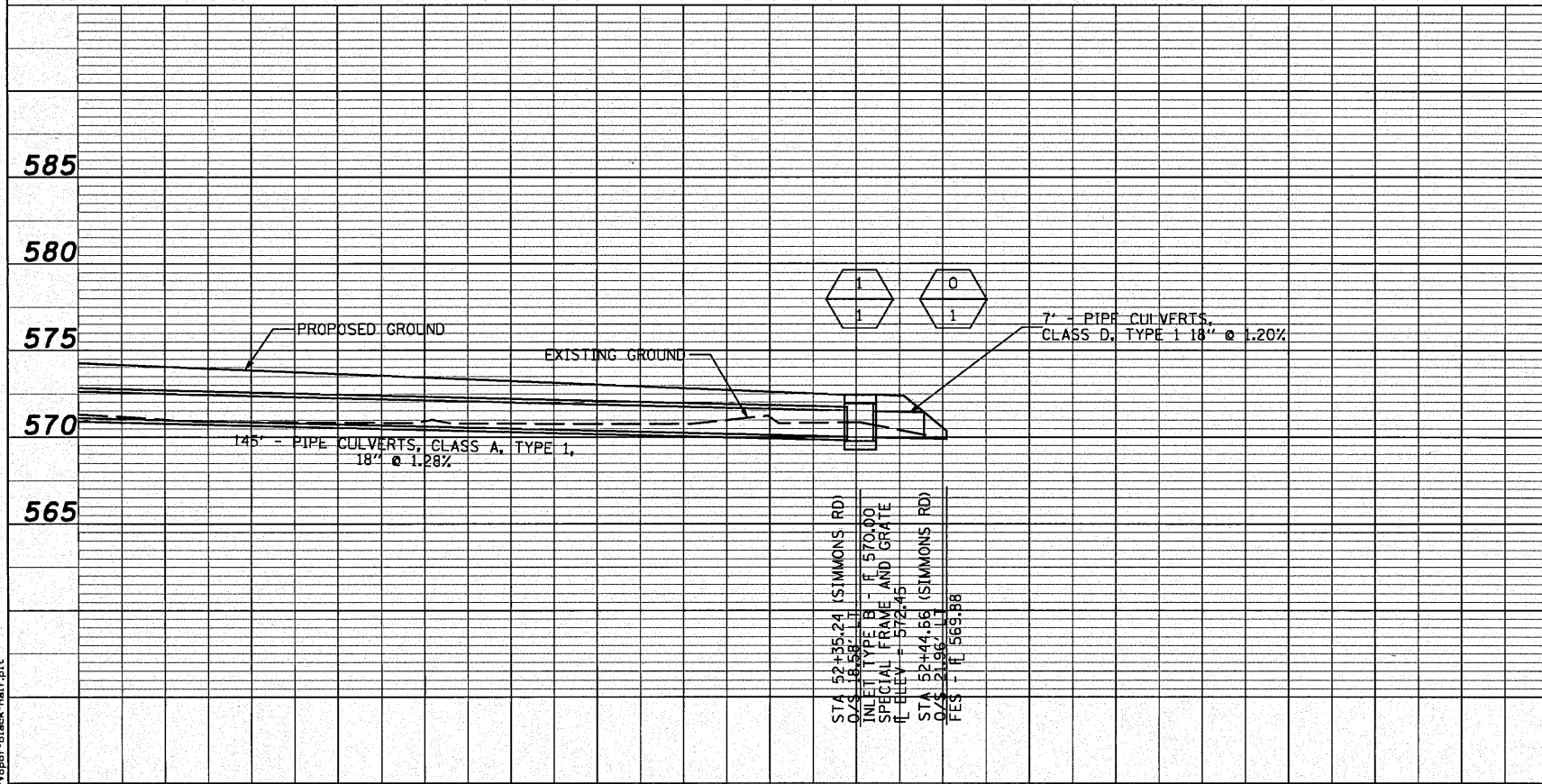
F.A.U. 9170		TOTAL SHEETS	SHEET NO.
PORTER / SIMMONS ROADS		36	16
SECTION 08-0060-00-PV			
CONTRACT 97408			

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO. OF CHECKS		
	NO. OF MAY CHECKS		
	NO.		
	CADD FILE NAME		



TRENCH BACKFILL

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO. OF CHECKS		
	NO. OF MAY CHECKS		
	NO.		
	STRUCTURE NOTATIONS CHVD		



NOTE:
CONTRACTOR TO TAKE CARE TO ACCOUNT FOR PIPE THICKNESS WHEN CONSTRUCTING BOTTOM OF MANHOLE / INLET.

INLET STRUCTURE DETAIL

INLET FLOW LINES SHOWN ON PLANS ARE THE THEORETICAL INTERSECTION POINT BETWEEN FLOW LINES OF THE INCOMING PIPES. CARE SHOULD BE TAKEN TO INSURE THAT THE STRUCTURE IS INSTALLED/CONSTRUCTED CORRECTLY TO ALLOW FOR PIPE THICKNESS.

INLET OFFSET IS MEASURED TO THE FLOWLINE OF THE GUTTER

LAST SAVED = 10/31/2018 10:46:10 AM
PEN TABLE = 10:46:10 AM
PLOT DATE = 11/4/2018 1:18:46 PM

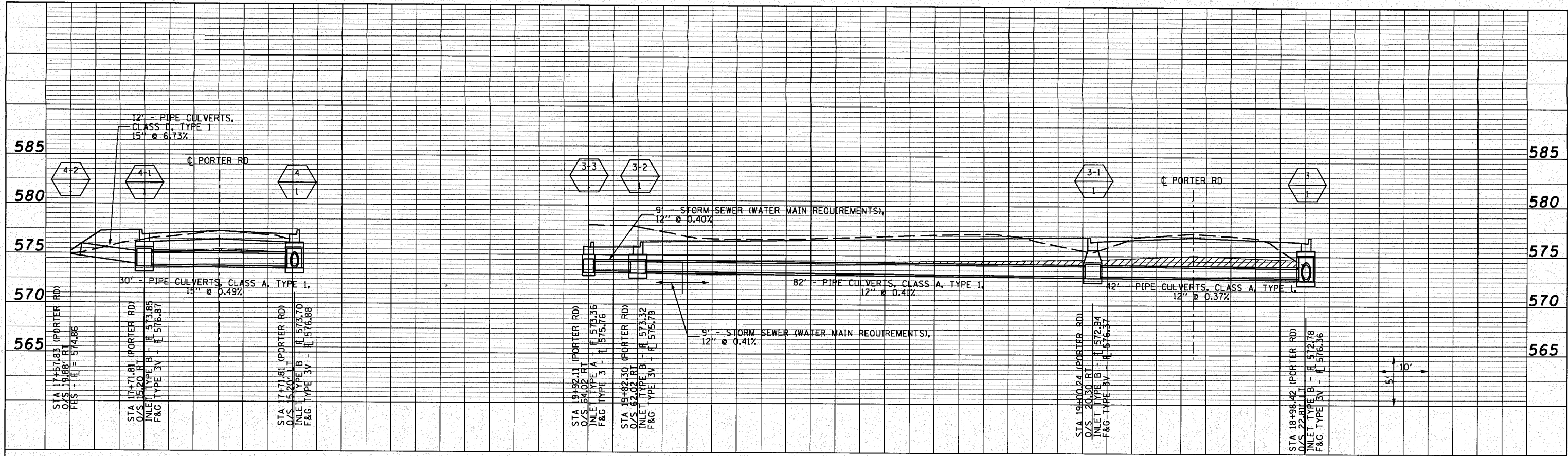
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PLOT DATE = 11/4/2018 1:18:46 PM		CHECKED -	REVISED -



DRAINAGE PROFILE			
MAINLINE STORM SEWER PROFILES			
SCALE:	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.

F.A.U. 9170		TOTAL SHEETS	SHEET NO.
PORTER / SIMMONS ROADS		36	17
SECTION 08-0060-00-PV			
CONTRACT 97408			

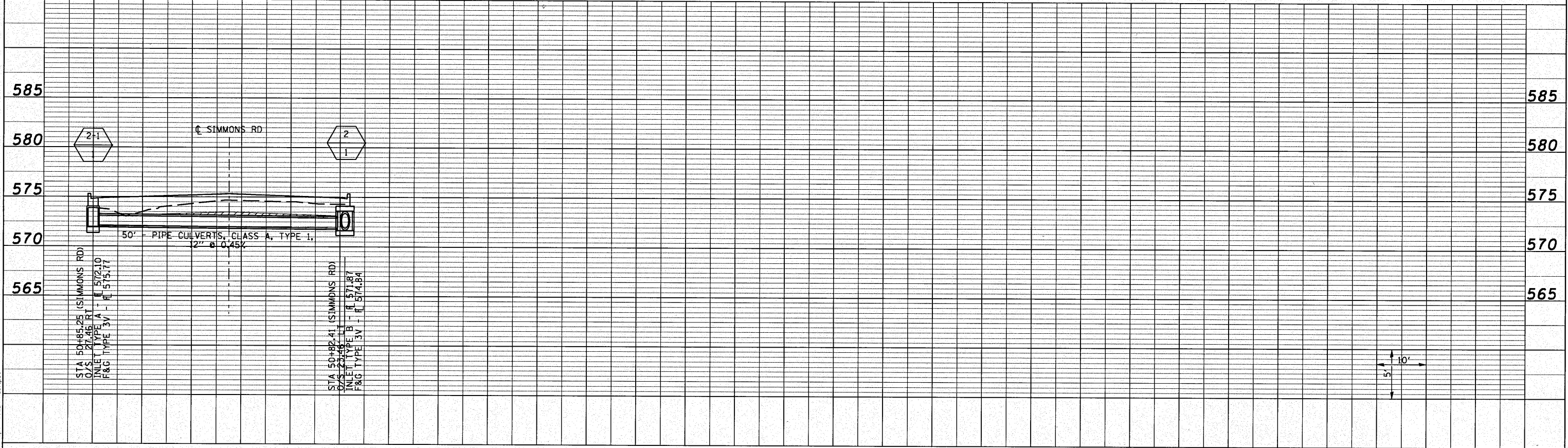
PLAN	SURVEYED	DATE
	ALIGNED	BY
	GRADES CHECKED	
	INLET TYPE A	
	INLET TYPE B	
	INLET TYPE 3V	
	NO. _____	
	ADD FILE NAME	



TRENCH BACKFILL

INLET FLOW LINES SHOWN ON PLANS ARE THE THEORETICAL INTERSECTION POINT BETWEEN FLOW LINES OF THE INCOMING PIPES. CARE SHOULD BE TAKEN TO INSURE THAT THE STRUCTURE IS INSTALLED/CONSTRUCTED CORRECTLY TO ALLOW FOR PIPE THICKNESS.

PROFILE	SURVEYED	DATE
	GRADES CHECKED	BY
	INLET TYPE A	
	INLET TYPE B	
	INLET TYPE 3V	
	NO. _____	
	ADD FILE NAME	



FILE NAME = 10/31/2010
 USER NAME = sdonahue
 DESIGNED -
 CHECKED -
 DRAWN -
 PLOT DATE = 11/4/2010 1:18:48 PM

DESIGNED -	REVISIONS
CHECKED -	REVISIONS
DRAWN -	REVISIONS
CHECKED -	REVISIONS



DRAINAGE PROFILE
 SUB-SYSTEM STORM SEWER PROFILES
 SCALE: SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.U. 9170
 PORTER / SIMMONS ROADS
 SECTION 08-00060-00-PV
 CONTRACT 97408
 TOTAL SHEETS 36
 SHEET NO. 18

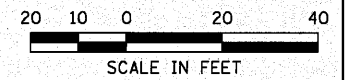
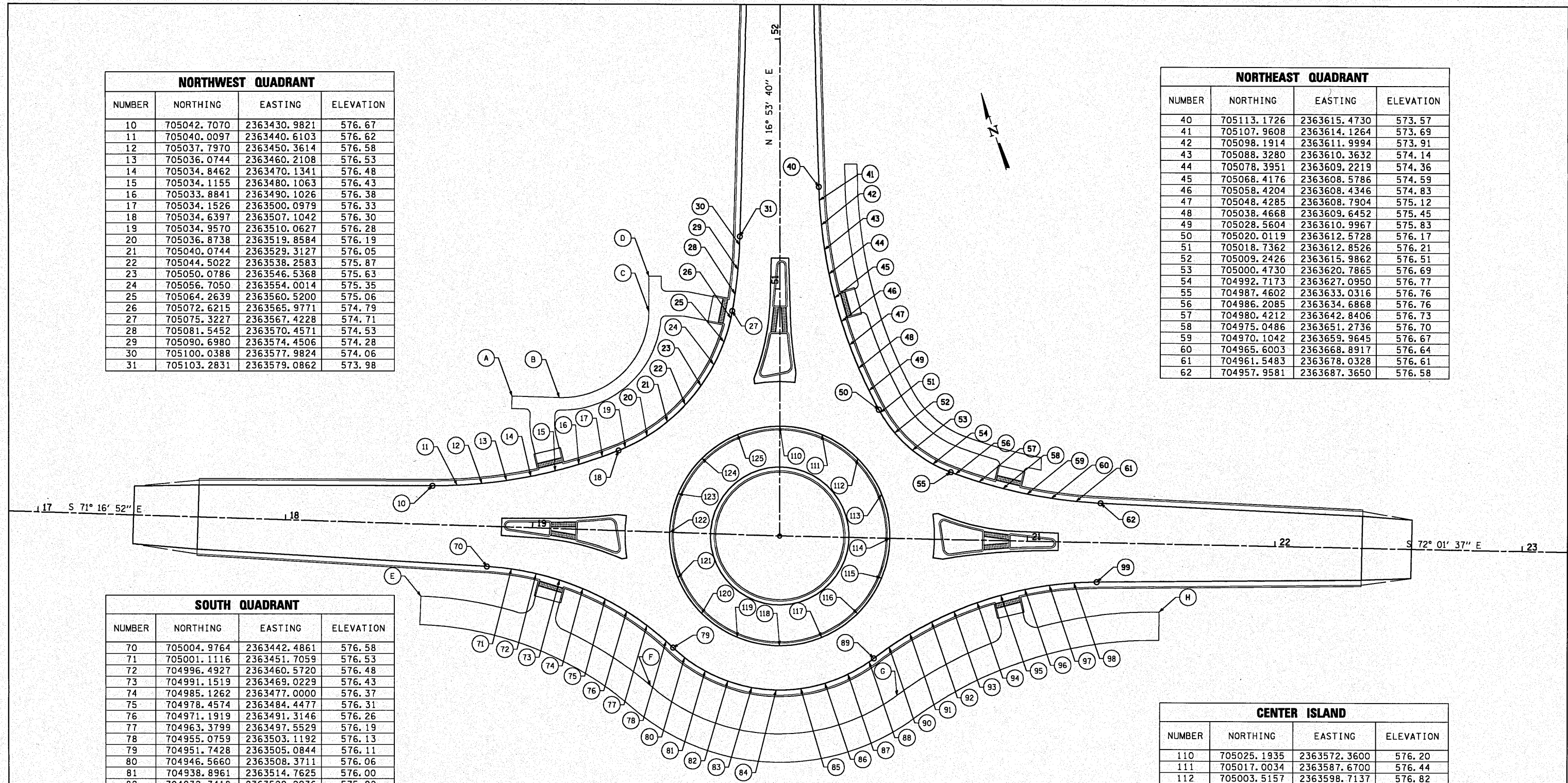
NORTHWEST QUADRANT			
NUMBER	NORTHING	EASTING	ELEVATION
10	705042.7070	2363430.9821	576.67
11	705040.0097	2363440.6103	576.62
12	705037.7970	2363450.3614	576.58
13	705036.0744	2363460.2108	576.53
14	705034.8462	2363470.1341	576.48
15	705034.1155	2363480.1063	576.43
16	705033.8841	2363490.1026	576.38
17	705034.1526	2363500.0979	576.33
18	705034.6397	2363507.1042	576.30
19	705034.9570	2363510.0627	576.28
20	705036.8738	2363519.8584	576.19
21	705040.0744	2363529.3127	576.05
22	705044.5022	2363538.2583	575.87
23	705050.0786	2363546.5368	575.63
24	705056.7050	2363554.0014	575.35
25	705064.2639	2363560.5200	575.06
26	705072.6215	2363565.9771	574.79
27	705075.3227	2363567.4228	574.71
28	705081.5452	2363570.4571	574.53
29	705090.6980	2363574.4506	574.28
30	705100.0388	2363577.9824	574.06
31	705103.2831	2363579.0862	573.98

NORTHEAST QUADRANT			
NUMBER	NORTHING	EASTING	ELEVATION
40	705113.1726	2363615.4730	573.57
41	705107.9608	2363614.1264	573.69
42	705098.1914	2363611.9994	573.91
43	705088.3280	2363610.3632	574.14
44	705078.3951	2363609.2219	574.36
45	705068.4176	2363608.5786	574.59
46	705058.4204	2363608.4346	574.83
47	705048.4285	2363608.7904	575.12
48	705038.4668	2363609.6452	575.45
49	705028.5604	2363610.9967	575.83
50	705020.0119	2363612.5728	576.17
51	705018.7362	2363612.8526	576.21
52	705009.2426	2363615.9862	576.51
53	705000.4730	2363620.7865	576.69
54	704992.7173	2363627.0950	576.77
55	704987.4602	2363633.0316	576.76
56	704986.2085	2363634.6868	576.76
57	704980.4212	2363642.8406	576.73
58	704975.0486	2363651.2736	576.70
59	704970.1042	2363659.9645	576.67
60	704965.6003	2363668.8917	576.64
61	704961.5483	2363678.0328	576.61
62	704957.9581	2363687.3650	576.58

SOUTH QUADRANT			
NUMBER	NORTHING	EASTING	ELEVATION
70	705004.9764	2363442.4861	576.58
71	705001.1116	2363451.7059	576.53
72	704996.4927	2363460.5720	576.48
73	704991.1519	2363469.0229	576.43
74	704985.1262	2363477.0000	576.37
75	704978.4574	2363484.4477	576.31
76	704971.1919	2363491.3146	576.26
77	704963.3799	2363497.5529	576.19
78	704955.0759	2363503.1192	576.13
79	704951.7428	2363505.0844	576.11
80	704946.5660	2363508.3711	576.06
81	704938.8961	2363514.7625	576.00
82	704932.3418	2363522.2936	575.92
83	704927.0703	2363530.7723	575.88
84	704923.2161	2363539.9822	575.90
85	704920.8775	2363549.6883	575.98
86	704920.1143	2363559.6429	576.12
87	704920.9460	2363569.5920	576.29
88	704923.3512	2363579.2818	576.44
89	704924.1346	2363581.4826	576.47
90	704926.6549	2363588.7203	576.55
91	704929.3814	2363598.3391	576.65
92	704931.4611	2363608.1181	576.71
93	704932.8848	2363618.0140	576.75
94	704933.6461	2363627.9827	576.77
95	704933.7416	2363637.9800	576.75
96	704933.1710	2363647.9615	576.72
97	704931.9367	2363657.8827	576.69
98	704930.0442	2363667.6997	576.66
99	704927.7280	2363676.6053	576.62

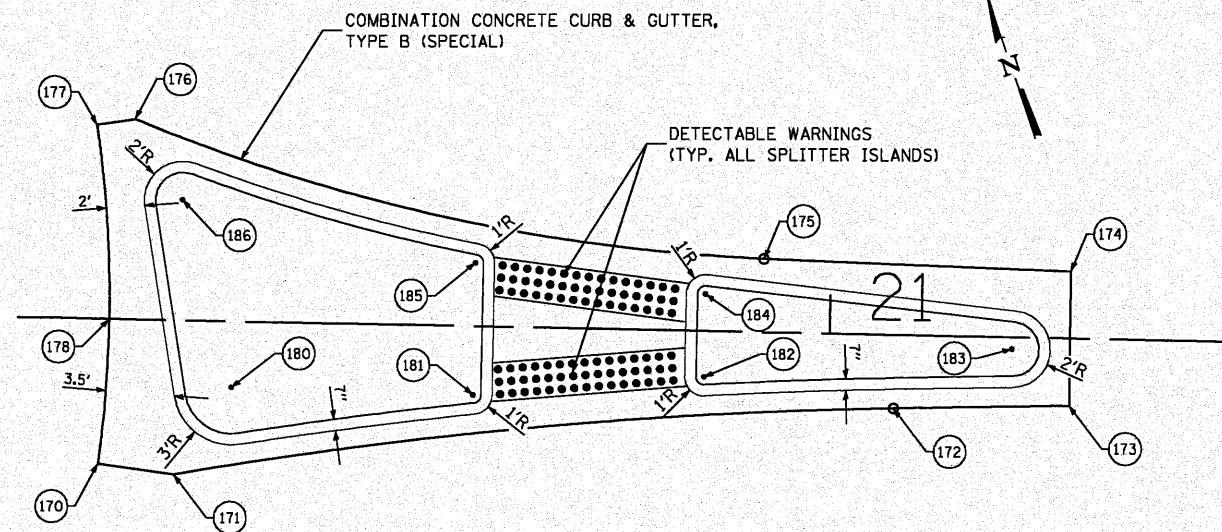
CENTER ISLAND			
NUMBER	NORTHING	EASTING	ELEVATION
110	705025.1935	2363572.3600	576.20
111	705017.0034	2363587.6700	576.44
112	705003.5157	2363598.7137	576.82
113	704986.9608	2363603.7151	577.31
114	704968.8827	2363601.7564	577.65
115	704954.3719	2363593.8174	577.35
116	704943.3614	2363580.3918	576.87
117	704938.3268	2363563.7748	576.56
118	704940.0359	2363546.4912	576.31
119	704948.2245	2363531.1858	576.31
120	704961.6501	2363520.1754	576.47
121	704978.2671	2363515.1407	576.84
122	704996.8952	2363517.2818	577.12
123	705010.8561	2363525.0385	576.82
124	705021.8665	2363538.4640	576.38
125	705026.9012	2363555.0811	576.21

SIDEWALK		
LETTER	NORTHING	EASTING
A	705068.1123	2363472.2555
B	705061.9660	2363490.3945
C	705084.9433	2363535.1164
D	705098.4846	2363539.2291
E	705001.1286	2363413.5382
F	704939.6208	2363491.8637
G	704907.0850	2363586.0497
H	704908.8261	2363697.2006

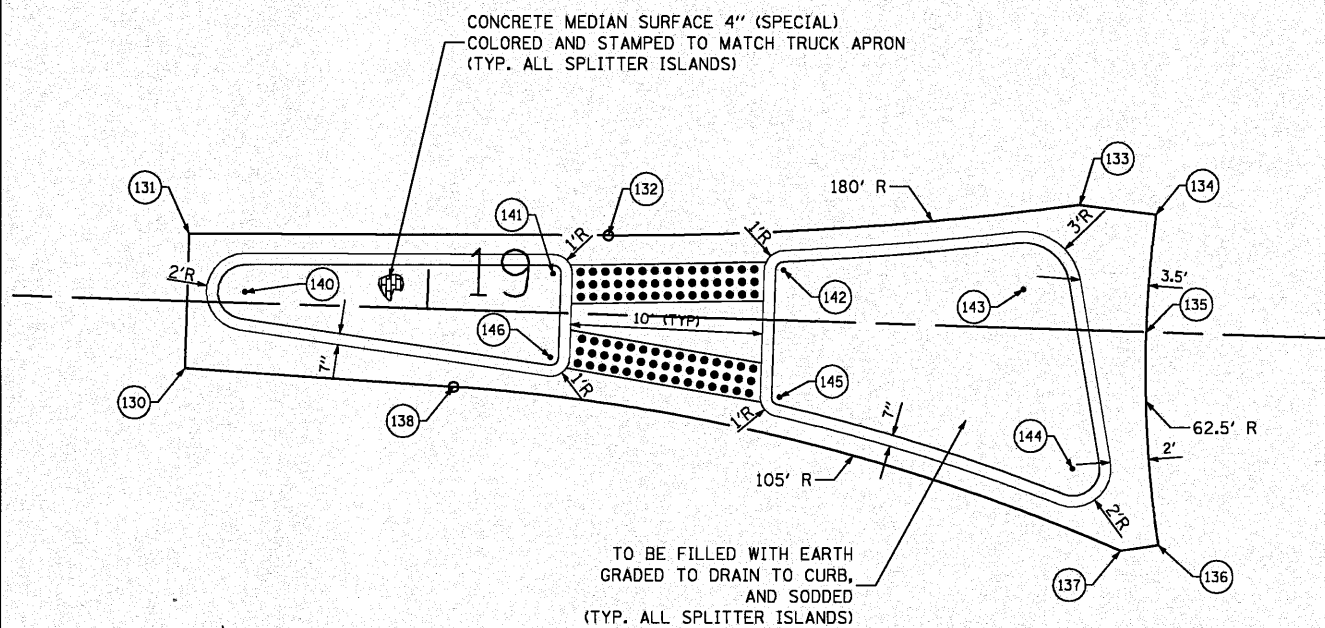


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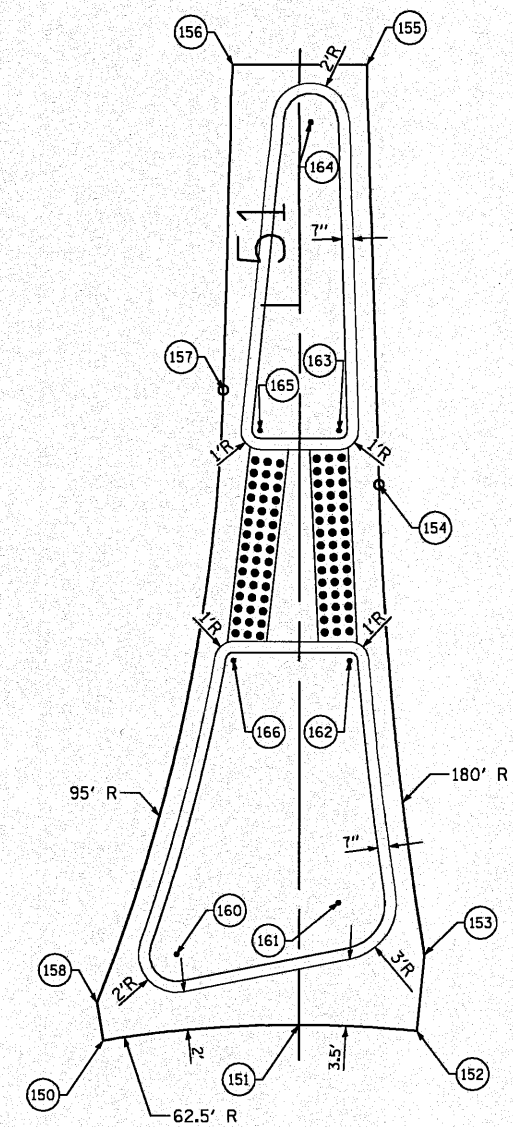
EAST SPLITTER ISLAND			
NUMBER	NORTHING	EASTING	ELEVATION
170	704956.2914	2363616.1145	577.29
171	704954.6067	2363619.7425	577.19
172	704947.0610	2363656.6037	577.00
173	704944.5613	2363665.3878	577.01
174	704951.2367	2363667.4953	577.01
175	704956.4780	2363652.4085	577.03
176	704972.8855	2363623.1900	577.23
177	704973.1872	2363621.2129	577.24
178	704963.3285	2363618.8781	577.29
180	704958.0802	2363623.9190	
181	704954.0580	2363635.8455	
182	704951.4941	2363647.6294	
183	704948.2447	2363663.4047	
184	704955.6058	2363648.9632	
185	704960.6107	2363637.9712	
186	704968.1547	2363624.3369	



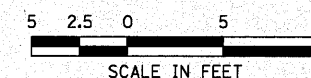
TYPICAL ALL SPLITTER ISLANDS
WALK AREAS SHALL BE POURED MONOLITHICALLY WITH CURB & INCLUDED IN THE COST OF COMBINATION CONCRETE CURB & GUTTER, TYPE B (SPECIAL)



WEST SPLITTER ISLAND			
NUMBER	NORTHING	EASTING	ELEVATION
130	705015.4033	2363451.7554	576.84
131	705022.0330	2363454.0019	576.84
132	705015.6212	2363474.8666	576.76
133	705010.0162	2363498.8361	576.75
134	705008.3679	2363502.4807	576.74
135	705002.6718	2363500.2339	576.76
136	704991.8785	2363497.6184	576.77
137	704992.1750	2363495.6405	576.71
138	705010.4182	2363464.8530	576.79
140	705018.3089	2363455.9076	
141	705014.5546	2363471.5290	
142	705011.2455	2363483.0779	
143	705006.6613	2363494.7539	
144	704996.9927	2363494.5010	
145	705004.9786	2363480.9544	
146	705010.4279	2363470.1307	



NORTH SPLITTER ISLAND			
NUMBER	NORTHING	EASTING	ELEVATION
150	705044.5769	2363567.6036	575.83
151	705042.4166	2363577.5909	575.84
152	705040.3523	2363583.3557	575.87
153	705044.0475	2363584.8870	575.70
154	705068.1833	2363589.7260	575.06
155	705089.2423	2363595.4704	574.52
156	705091.2766	2363588.7725	574.52
157	705075.2473	2363583.3957	574.95
158	705046.5598	2363567.8652	575.75
160	705047.7900	2363572.5631	
161	705047.9316	2363581.4075	
162	705059.8363	2363585.6139	
163	705071.4881	2363588.5544	
164	705087.2182	2363591.8087	
165	705072.6801	2363584.6213	
166	705061.5910	2363579.8411	



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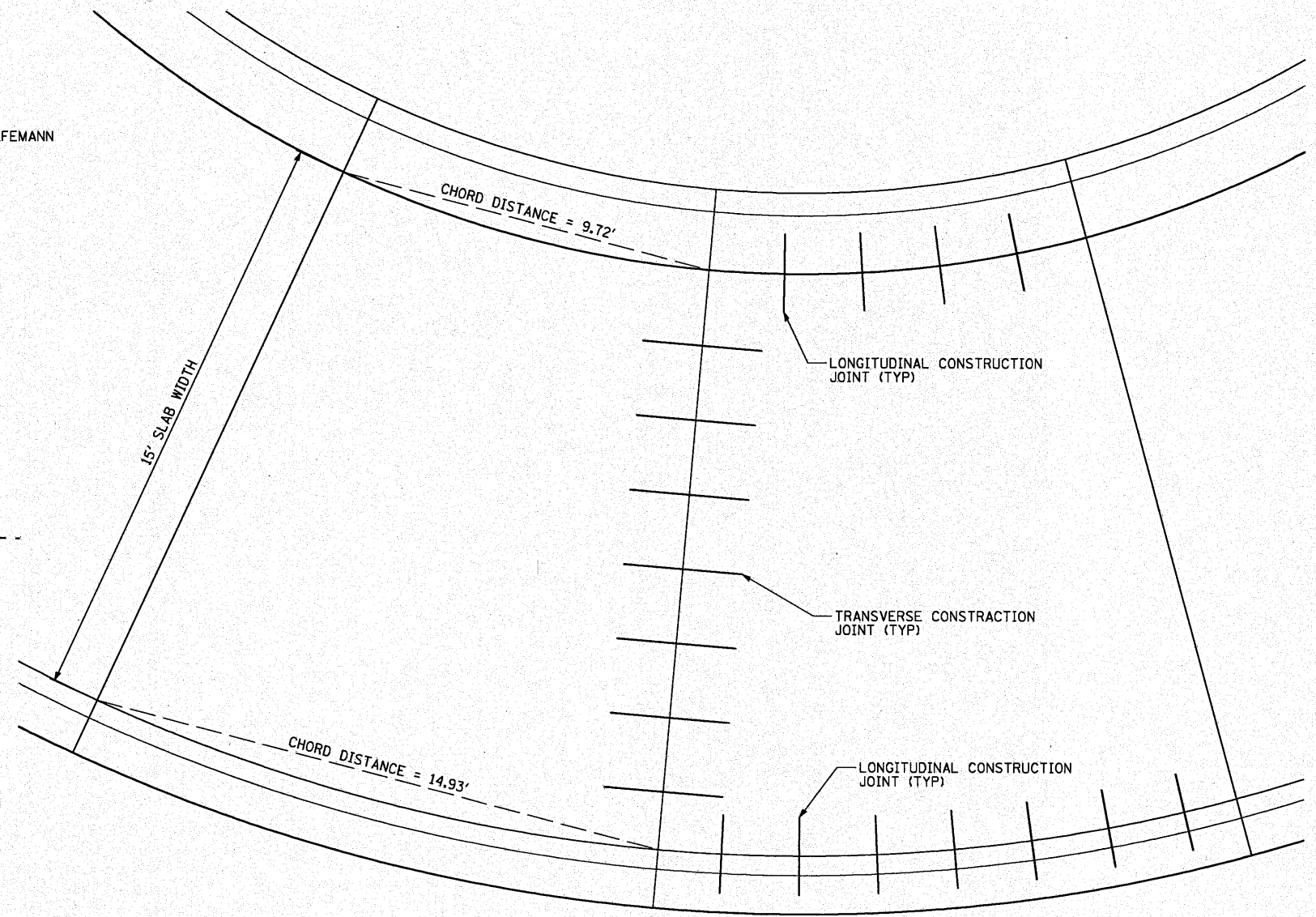
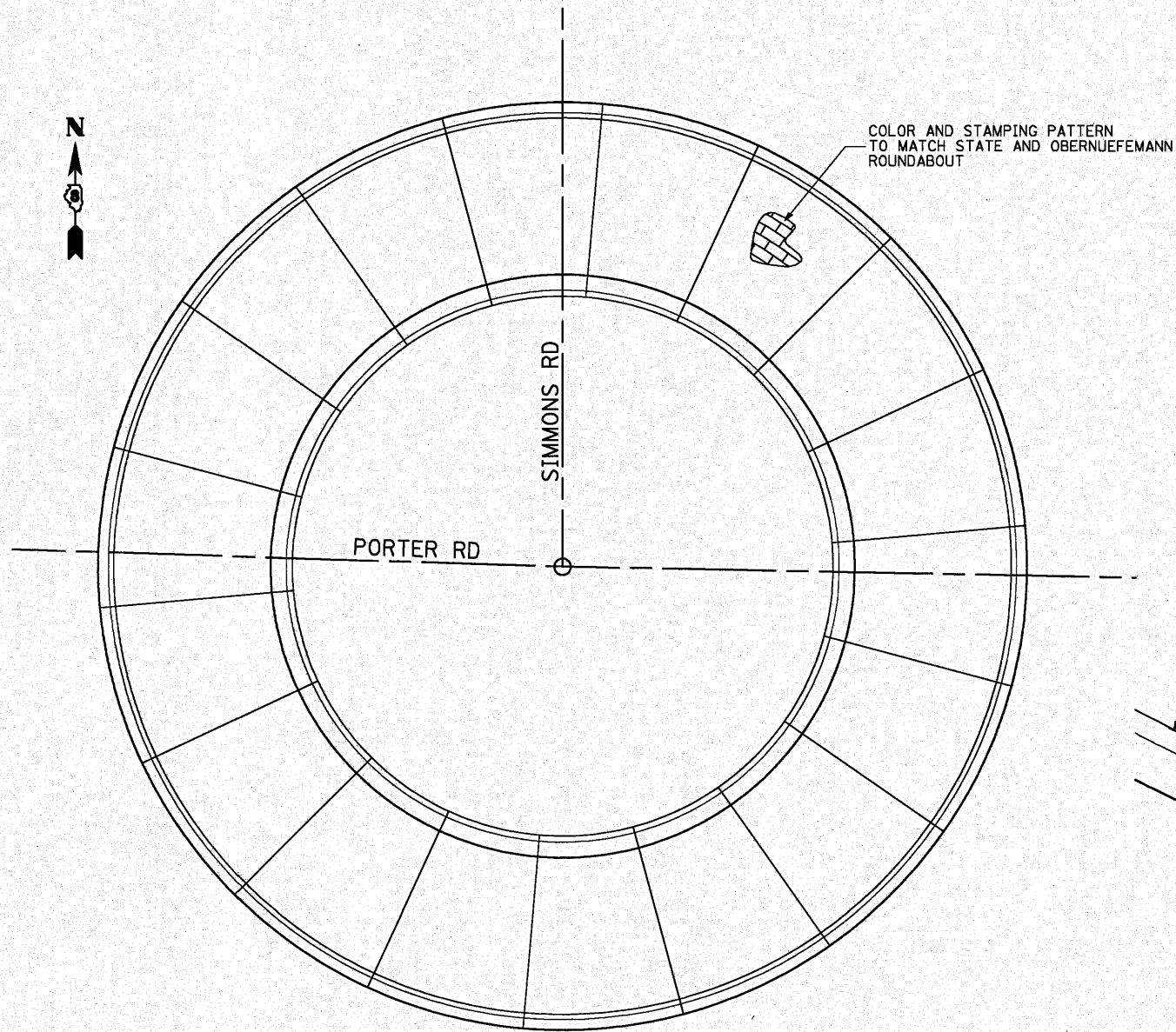
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		CHECKED -	REVISED -
		DATE -	REVISED -



INTERSECTION DETAILS
SPLITTER ISLANDS

SCALE: 1"=5' SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.U. 9170		TOTAL SHEETS	SHEET NO.
PORTER / SIMMONS ROADS		36	20
SECTION 08-0060-00-PV			
CONTRACT 97408			



JOINT CONSTRUCTION WILL NOT BE PAID FOR SEPARATELY, BUT IS INCLUDED IN THE COST OF THE PAVEMENT OR CURB AND GUTTER BEING CONSTRUCTED. SEE STANDARD 420001 FOR JOINT DETAILS.

LAST SAVED = 10/25/2018
 PEN TABLE = V8-Hair.tbl
 PLOT DRIVER = TR-V8pdf-Black-Hair.plt

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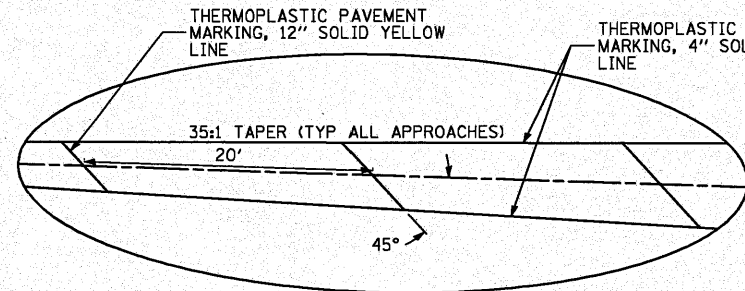


INTERSECTION DETAILS			
TRUCK APRON SLAB DETAILS			
SCALE: NONE	SHEET NO. 3 OF 3 SHEETS	STA.	TO STA.

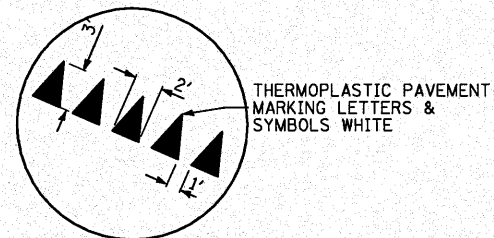
F.A.U. 9170		TOTAL SHEETS	SHEET NO.
PORTER / SIMMONS ROADS		36	21
SECTION 08-00060-00-PV			
CONTRACT 97408			

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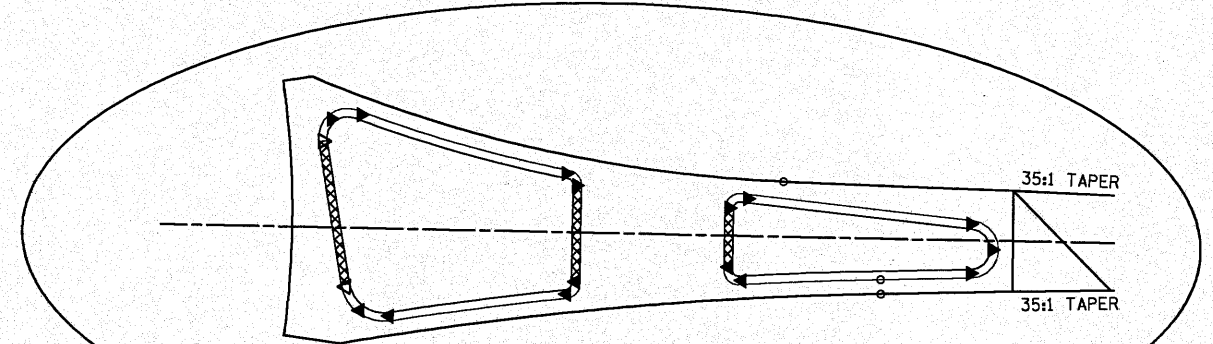
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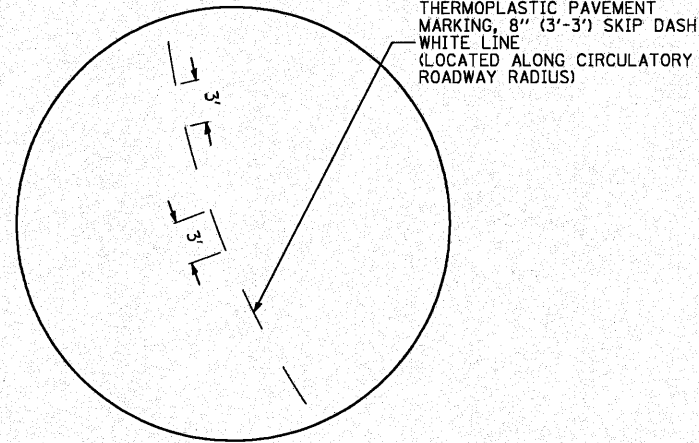
DETAIL 'A'



DETAIL 'B'

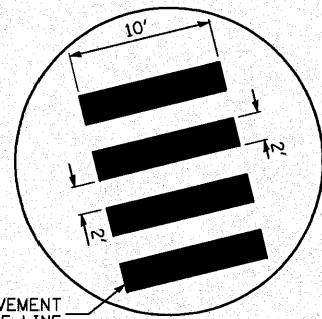
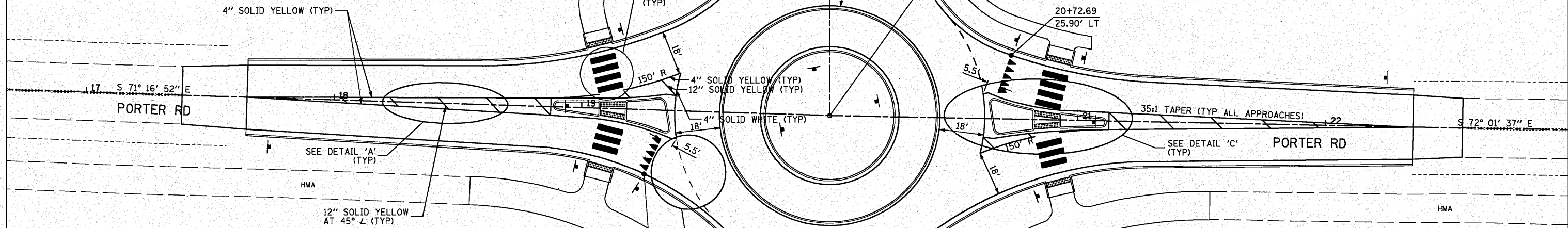


DETAIL 'C'



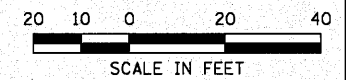
DETAIL 'D'

4" SOLID YELLOW (TYP)



DETAIL 'E'

- ☐ WHITE CURB FACE AND TOPS
ALL OTHER CURB FACE AND TOPS ON SPLITTER ISLAND SHALL BE PAINTED YELLOW UNLESS OTHERWISE NOTED
- ◁ ONE-WAY CRYSTAL PRISMATIC CURB REFLECTOR
- ◁ ONE-WAY AMBER PRISMATIC CURB REFLECTOR



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		DATE -	REVISED -

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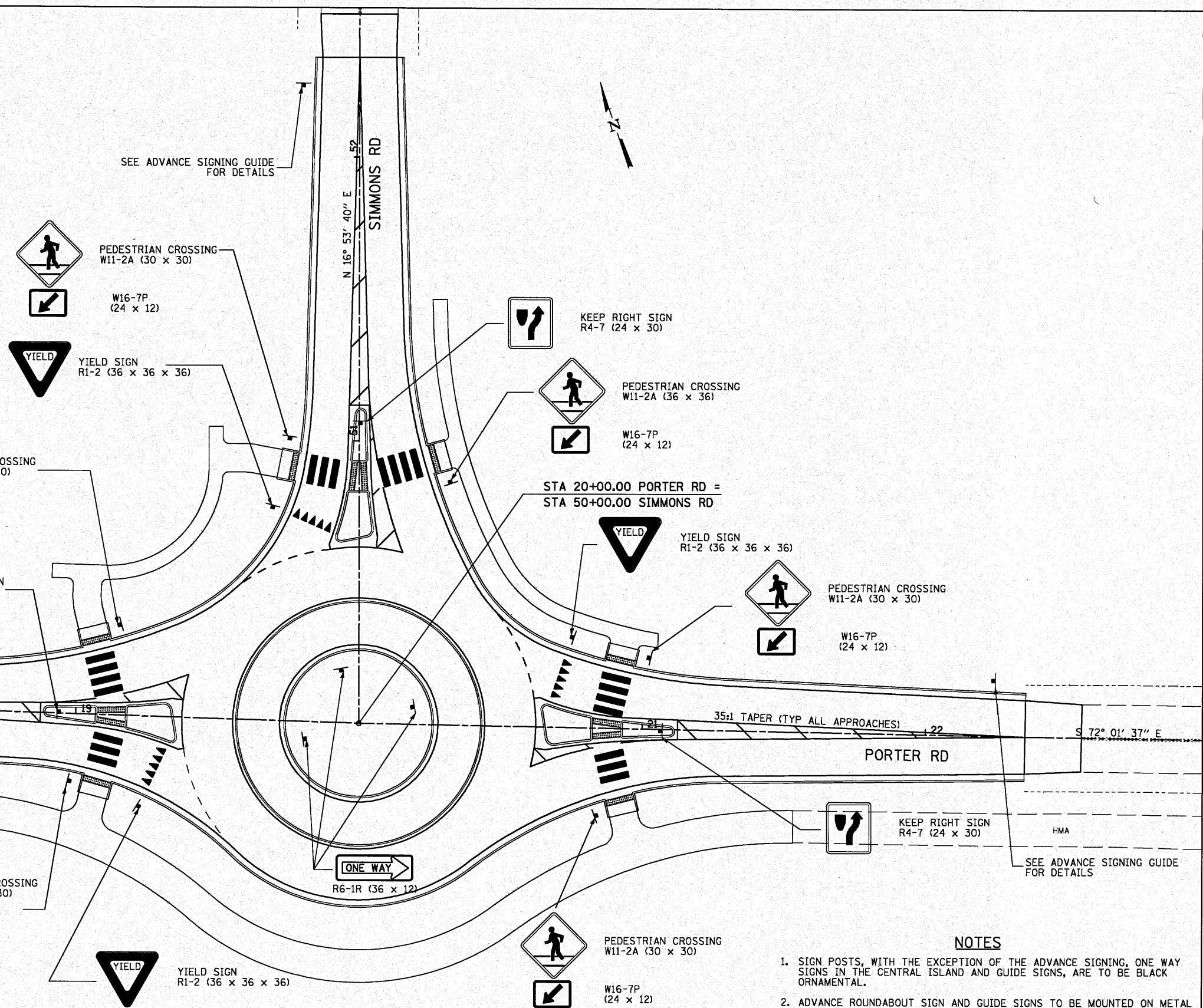
Fallon
 ILLINOIS

PAVEMENT MARKING DETAILS			
SCALE: 1"=20'	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

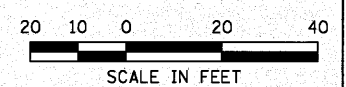
F.A.U. 9170 PORTER / SIMMONS ROADS		TOTAL SHEETS	SHEET NO.
SECTION 08-00060-00-PV		36	22
CONTRACT 97408			

ADVANCE SIGNING

TO BE PLACED 150' IN ADVANCE OF YIELD SIGN (TYPICAL EACH LEG)	TO BE PLACED 300' IN ADVANCE OF YIELD SIGN (VENITA DR EASTBOUND)
YIELD AHEAD SIGN (W3-2) (36 x 36)	DIAGRAMMATIC ADVANCE DESTINATION GUIDE SIGN
TO BE PLACED 300' IN ADVANCE OF YIELD SIGN (PORTER RD WESTBOUND)	TO BE PLACED 450' IN ADVANCE OF YIELD SIGN (TYPICAL EACH LEG)
DIAGRAMMATIC ADVANCE DESTINATION GUIDE SIGN	CIRCULAR INTERSECTION SIGN (W2-6) (30 x 30)
TO BE PLACED 300' IN ADVANCE OF YIELD SIGN (SIMMONS RD SOUTHBOUND)	ADVISORY SPEED PLATE (W13-1) (18 x 18)
DIAGRAMMATIC ADVANCE DESTINATION GUIDE SIGN	



- NOTES**
1. SIGN POSTS, WITH THE EXCEPTION OF THE ADVANCE SIGNING, ONE WAY SIGNS IN THE CENTRAL ISLAND AND GUIDE SIGNS, ARE TO BE BLACK ORNAMENTAL.
 2. ADVANCE ROUNDABOUT SIGN AND GUIDE SIGNS TO BE MOUNTED ON METAL POSTS.
 3. A VALUE OF 7'-0" SHOULD BE USED FOR "H" WHEN APPLYING STANDARD 7290001.
 4. TO ENSURE ADEQUATE CLEARANCE FOR FARM EQUIPMENT, SIGN PANELS ON THE OUTER EDGES SHALL BE A MINIMUM OF 4 FEET BEHIND THE BACK OF CURB AS MEASURED FROM THE NEAREST EDGE OF THE SIGN.



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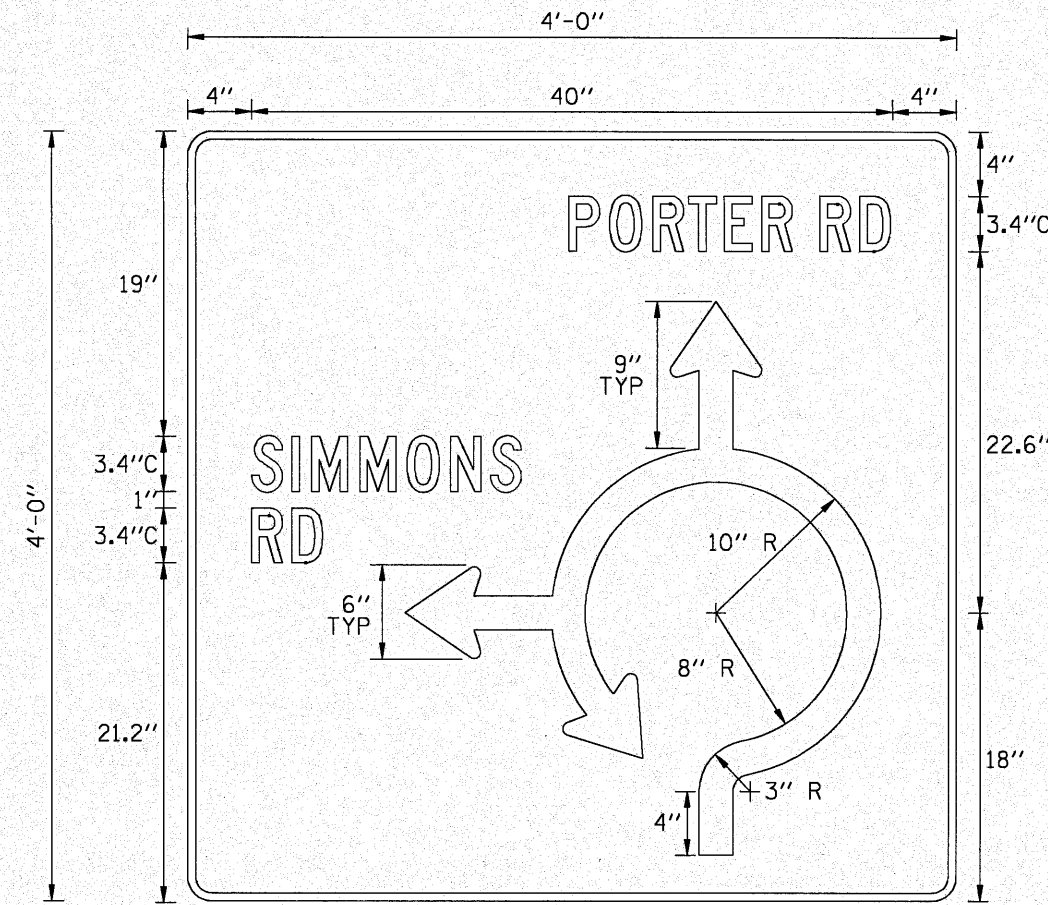
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SIGNING DETAILS	
SCALE: 1"=20'	SHEET NO. 1 OF 4 SHEETS
STA.	TO STA.

F.A.U. 9170	
PORTER / SIMMONS ROADS	
SECTION 08-00060-00-PV	
CONTRACT 97408	
TOTAL SHEETS	SHEET NO.
36	23

SIGN DETAIL



Dimensions are in
Inches.tenths

BORDER
R=1.5"
TH=0.5"

Panel Style: Street Name 6-3in.ssi
M.U.T.C.D.: 2003 Edition

Letter locations are panel
edge to lower left corner

SIGN NUMBER	PORTER EASTBOUND
WIDTH x HGHT.	4'-0" x 4'-0"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Metal Posts
SIGN AREA	16.0 Sq.Ft.
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT

LETTER POSITIONS (X)

LENGTH SERIES/SIZE

Letter	X	Y	WID	HT	Series/Size
P	23.8	26.4	29.1	31.3	C 2000
O	26.4	26.4	29.1	33.5	C 2000
R	29.1	26.4	29.1	35.9	C 2000
T	31.3	26.4	29.1	37.8	C 2000
E	33.5	26.4	29.1	39.5	C 2000
R	35.9	26.4	29.1	42	C 2000
R	37.8	26.4	29.1		
D	39.5	26.4	29.1		
S	4	6.5	7.7	10.8	C 2000
I	6.5	6.5	7.7	13.7	C 2000
M	7.7	6.5	7.7	16.4	C 2000
M	10.8	6.5	7.7	18.9	C 2000
O	13.7	6.5	7.7		
N	16.4	6.5	7.7		
S	18.9	6.5	7.7		
R	4	6.5			C 2000
D	6.5	6.5			C 2000

LAST SAVED = 12/2/2009
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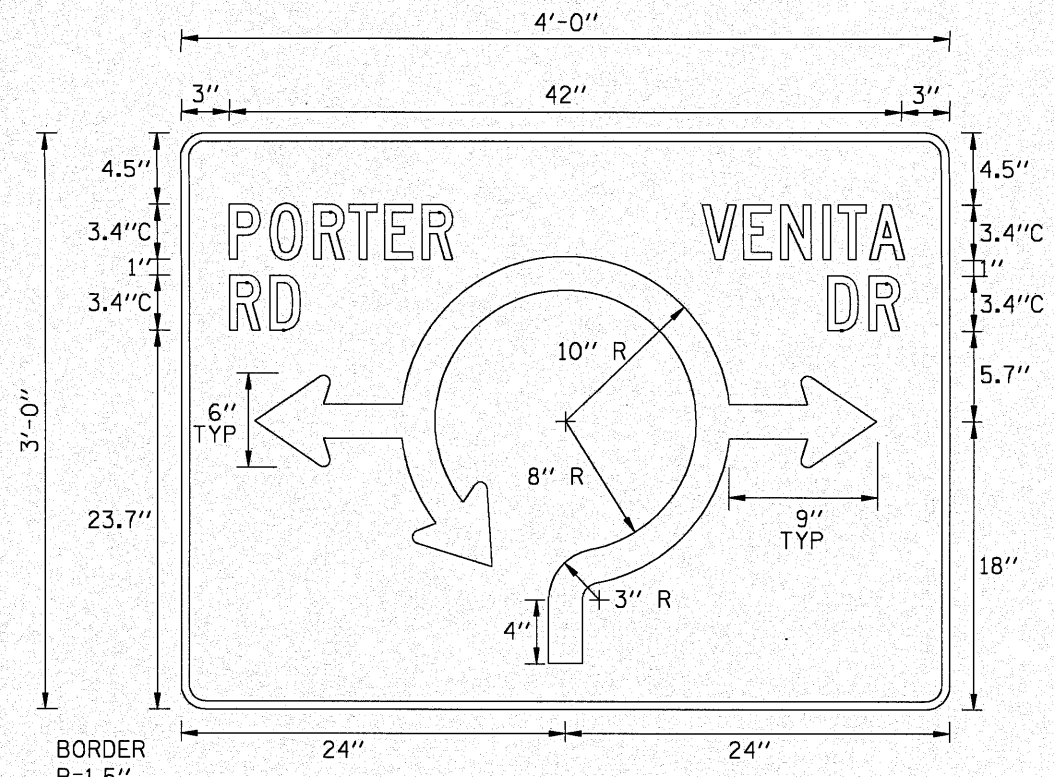
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SIGNING DETAILS			
SCALE: NTS	SHEET NO. 2 OF 4 SHEETS	STA.	TO STA.

F.A.U. 9170	TOTAL SHEETS	SHEET NO.
PORTER / SIMMONS ROADS	36	24
SECTION 08-0060-00-PV		
CONTRACT 97408		

SIGN DETAIL



Dimensions are in inches tenths

BORDER
R=1.5"
TH=0.5"

Panel Style: Street Name 6-3in.ssi
M.U.T.C.D.: 2003 Edition

Letter locations are panel edge to lower left corner

SIGN NUMBER	SIMMONS SOUTHBOUND
WIDTH x HGHT.	4'-0" x 3'-0"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Metal Posts
SIGN AREA	12.0 Sq.Ft.
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White

SYMBOL	X	Y	WID	HT

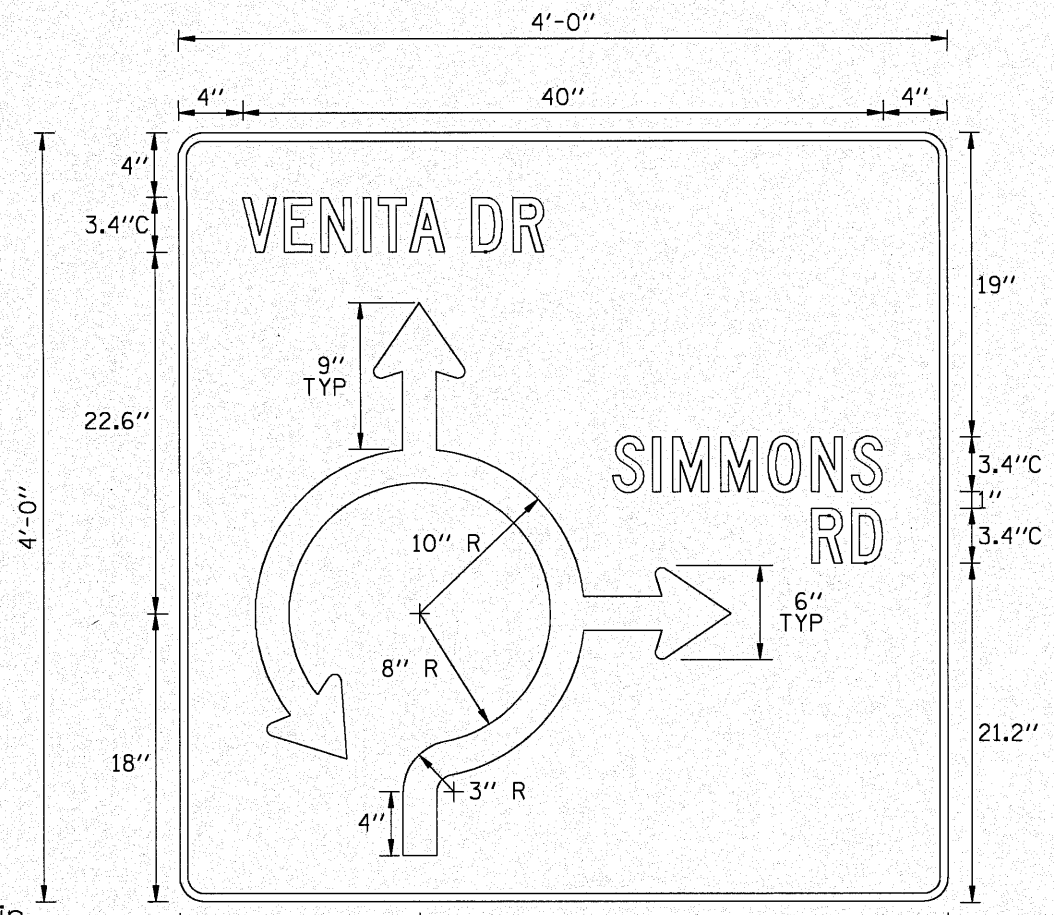
LETTER POSITIONS (X)

LENGTH SERIES/SIZE

Letter	X	Y	WID	HT	Series/Size		
P	3	5.6	8.3	10.5	12.7	15.1	C 2000
O	3	5.6	8.3	10.5	12.7	15.1	14
R	32.6	35.2	37.5	40.1	41.1	43	C 2000
V	32.6	35.2	37.5	40.1	41.1	43	12.6
E	32.6	35.2	37.5	40.1	41.1	43	C 2000
N	32.6	35.2	37.5	40.1	41.1	43	4.4
I	32.6	35.2	37.5	40.1	41.1	43	C 2000
T	32.6	35.2	37.5	40.1	41.1	43	4.5
A	32.6	35.2	37.5	40.1	41.1	43	C 2000
R	32.6	35.2	37.5	40.1	41.1	43	4.4
D	32.6	35.2	37.5	40.1	41.1	43	C 2000
R	32.6	35.2	37.5	40.1	41.1	43	4.5

LAST SAVED = 12/2/2009
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 PLOT DRIVER = TR-VBpdf-Back-Hatf.plt

SIGN DETAIL



Dimensions are in inches.tenths

BORDER
R=1.5"
TH=0.5"

Panel Style: Street Name 6-3in.ssi
M.U.T.C.D.: 2003 Edition

Letter locations are panel edge to lower left corner

SIGN NUMBER	PORTER WESTBOUND
WIDTH x HGHT.	4'-0" x 4'-0"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Metal Posts
SIGN AREA	16.0 Sq.Ft.
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT

LETTER POSITIONS (X)

LENGTH SERIES/SIZE

Letter	X	Y	WID	HT	Series/Size						
V	4	6.6	8.9	11.5	12.5	14.4	16.6	18.3	20.9	18.8	C 2000
E	6.6	8.9	11.5	12.5	14.4	16.6	18.3	20.9			
N	8.9	11.5	12.5	14.4	16.6	18.3	20.9				
I	11.5	12.5	14.4	16.6	18.3	20.9					
T	12.5	14.4	16.6	18.3	20.9						
A	14.4	16.6	18.3	20.9							
D	16.6	18.3	20.9								
R	18.3	20.9									
S	27.1	29.6	30.8	33.8	36.8	39.5	42			16.8	C 2000
I	29.6	30.8	33.8	36.8	39.5	42					
M	30.8	33.8	36.8	39.5	42						
M	33.8	36.8	39.5	42							
O	36.8	39.5	42								
N	39.5	42									
S	42										
R	39.5	42								4.4	C 2000
D	42										

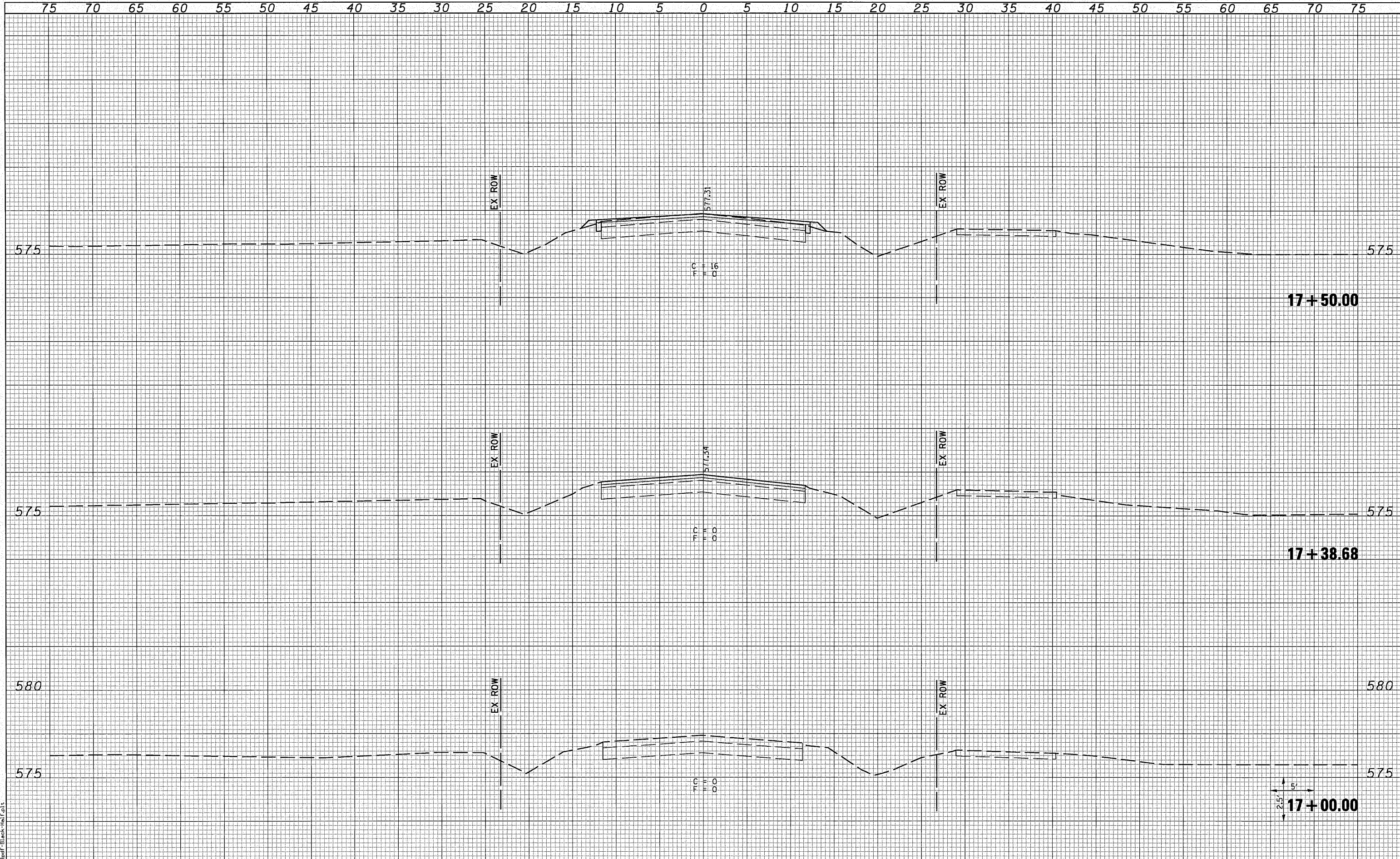
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SIGNING DETAILS			
SCALE: NTS	SHEET NO. 4 OF 4 SHEETS	STA.	TO STA.

F.A.U. 9170	TOTAL SHEETS	SHEET NO.
PORTER / SIMMONS ROADS	36	26
SECTION 08-00060-00-PV		
CONTRACT 97408		



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

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

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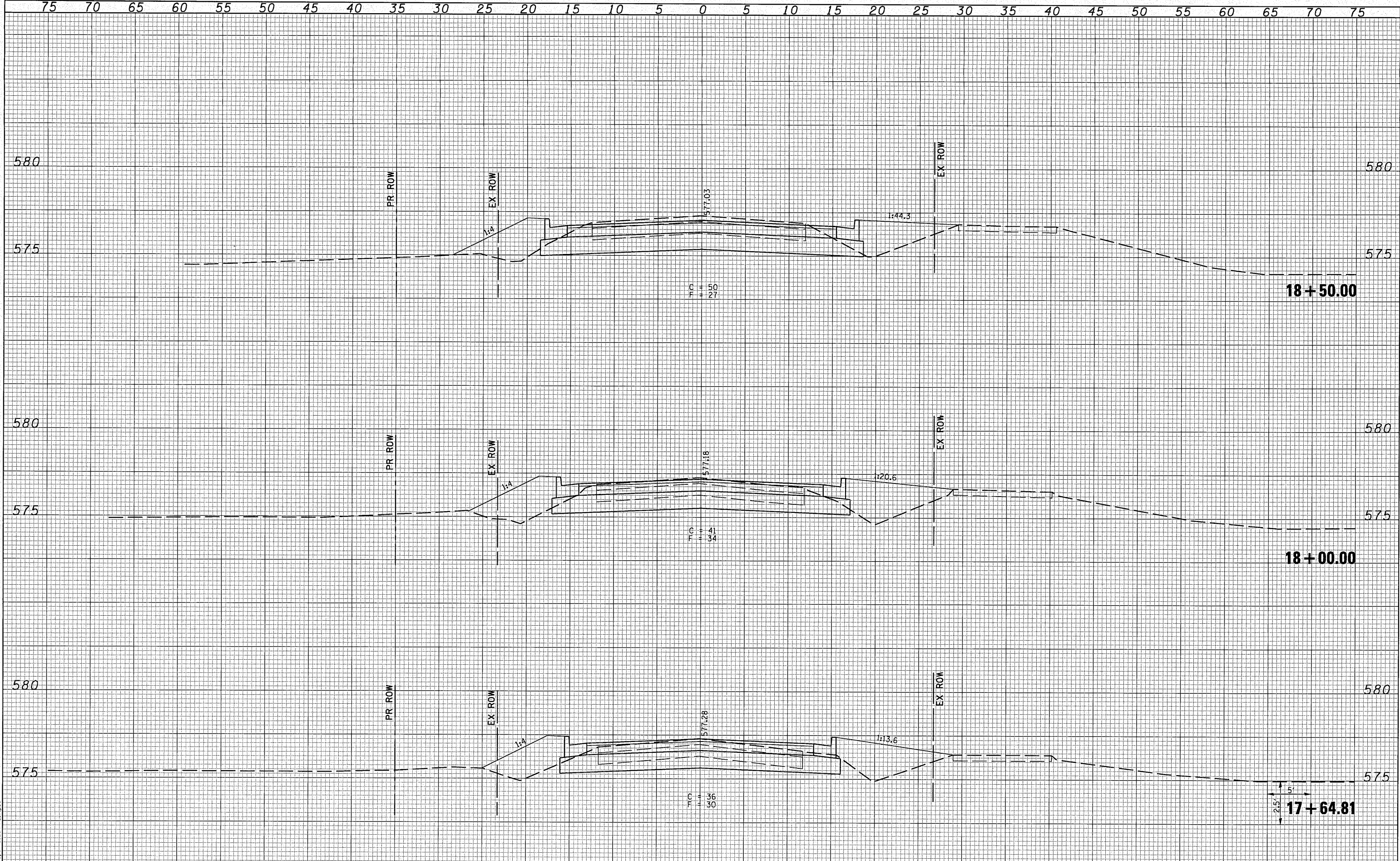
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	DRAWN -	REVISED -
	CHECKED -	REVISED -



CROSS SECTIONS
 PORTER ROAD
 SCALE: 1"=5' SHEET NO. 1 OF SHEETS STA. 17+00.00 TO STA. 17+50.00

F.A.U. 9170	TOTAL SHEETS	SHEET NO.
PORTER / SIMMONS ROADS	36	27
SECTION 08-00060-00-PV		
CONTRACT 97408		



DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
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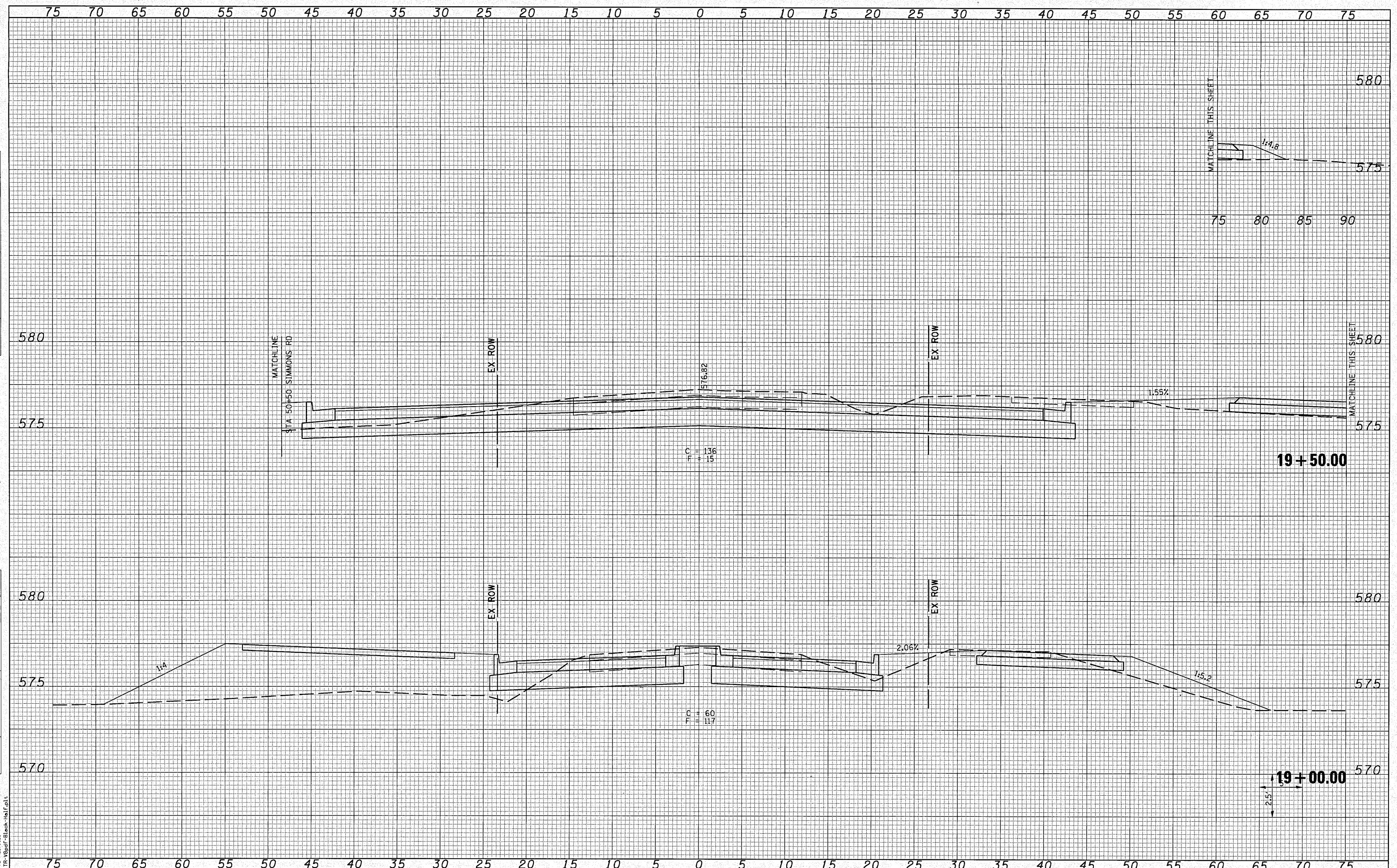
CROSS SECTIONS
 PORTER ROAD
 SCALE: 1"=5'
 SHEET NO. 1 OF SHEETS
 STA. 17+64.81 TO STA. 18+50.00

F.A.U. 9170
 PORTER / SIMMONS ROADS
 SECTION 08-00060-00-PV
 CONTRACT 97408
 TOTAL SHEETS 36
 SHEET NO. 28

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
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SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

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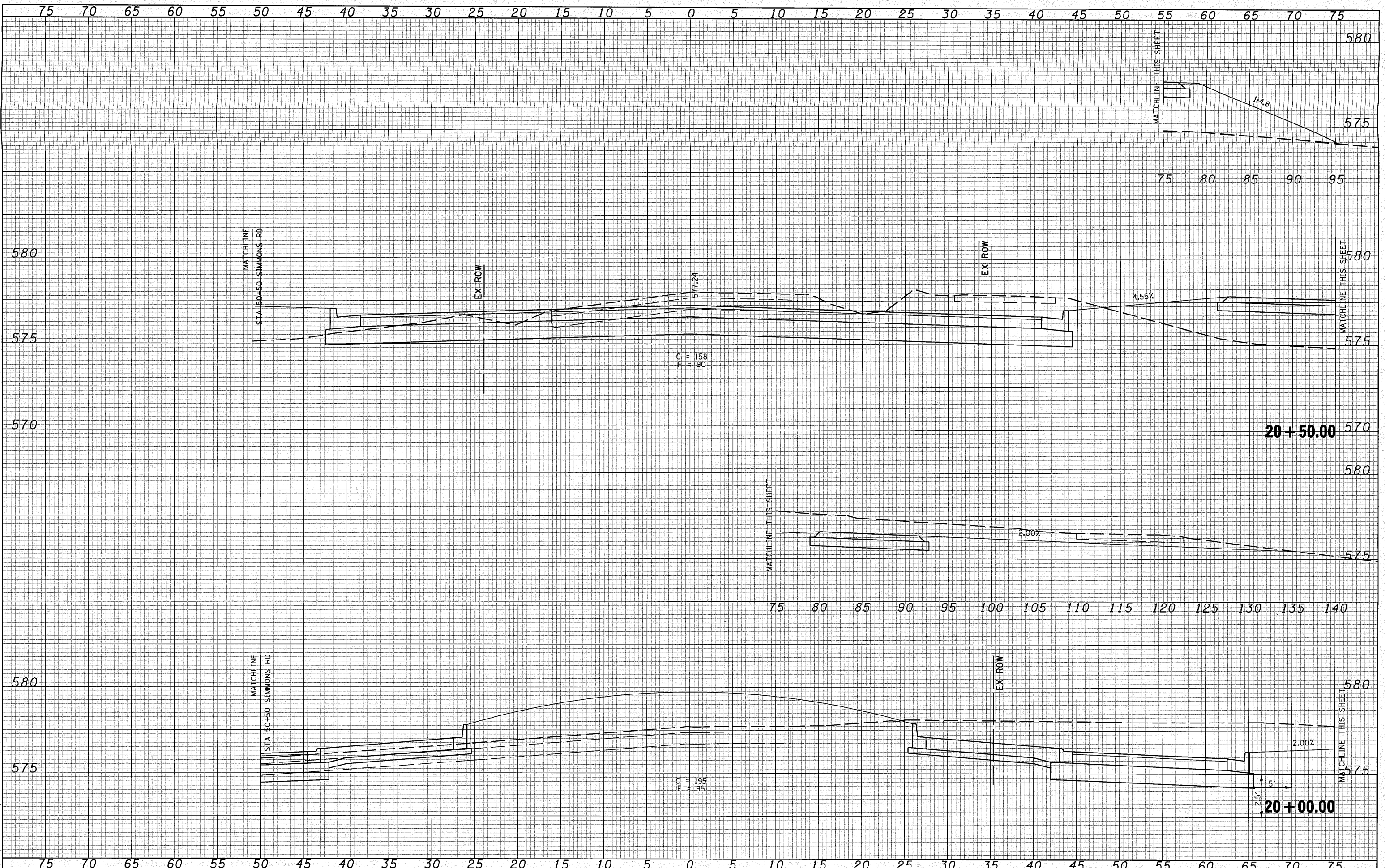
CROSS SECTIONS
 PORTER ROAD
 SCALE: 1"=5' SHEET NO. 1 OF SHEETS STA. 19+00.00 TO STA. 19+50.00

F.A.U. 9170	TOTAL SHEETS	SHEET NO.
PORTER / SIMMONS ROADS	36	29
SECTION 08-00060-00-PV		
CONTRACT 97408		

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

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

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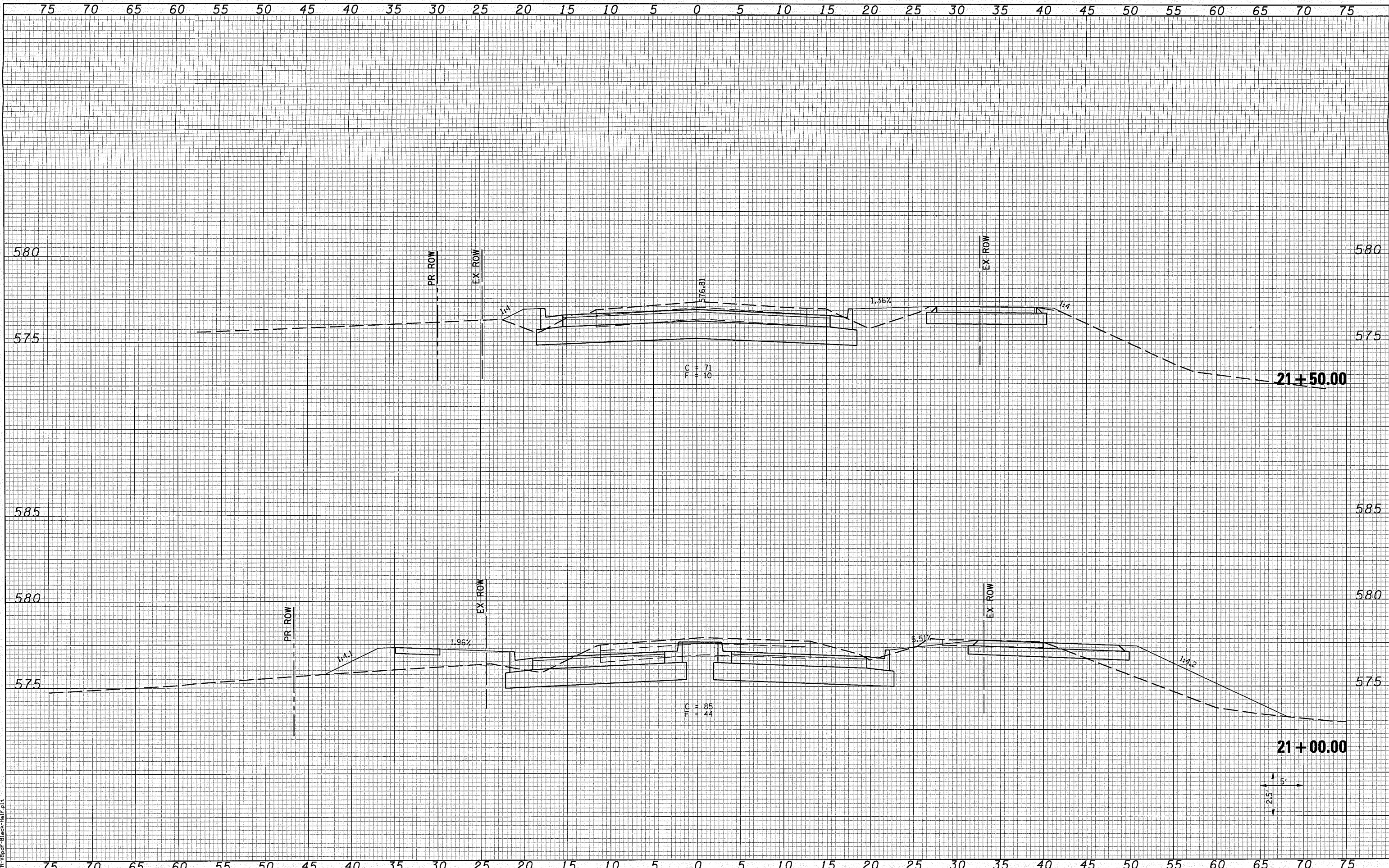


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DRAWN -	REVISD -
CHECKED -	REVISD -



CROSS SECTIONS
 PORTER ROAD
 SCALE: 1"=5' SHEET NO. 1 OF SHEETS STA. 20+00.00 TO STA. 20+50.00

F.A.U. 9170		TOTAL SHEETS	36	SHEET NO.	30
PORTER / SIMMONS ROADS					
SECTION 08-00060-00-PV					
CONTRACT 97408					



DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

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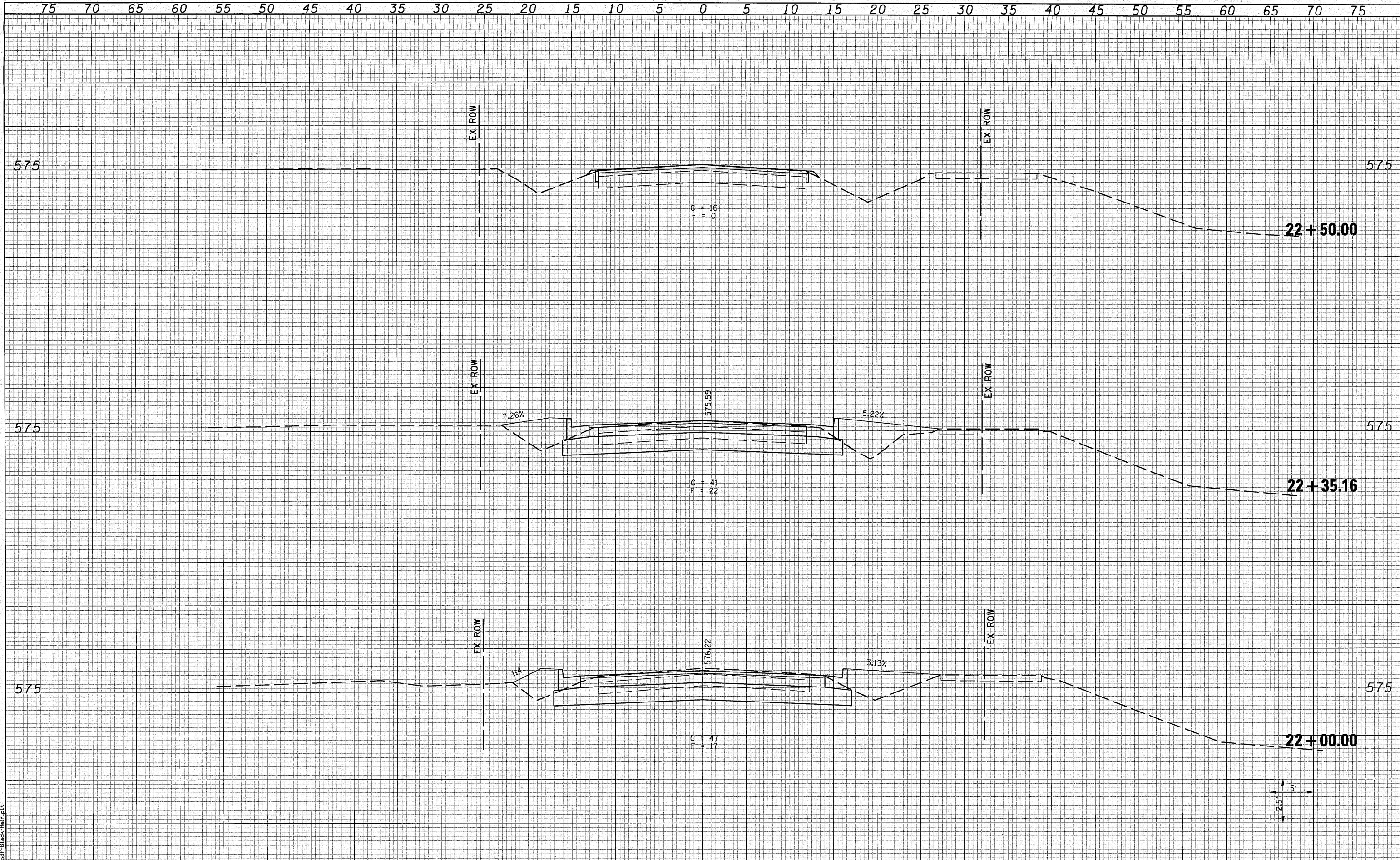
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 CHECKED -



CROSS SECTIONS
 PORTER ROAD
 SCALE: 1"=5' SHEET NO. 1 OF SHEETS STA. 21+00.00 TO STA. 21+50.00

F.A.U. 9170
 PORTER / SIMMONS ROADS
 SECTION 08-00060-00-PV
 CONTRACT 97408

TOTAL SHEETS	36
SHEET NO.	31



DATE	
BY	
FINISHED SURVEY	
PLOTTED	
NOTE BOOK NO.	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
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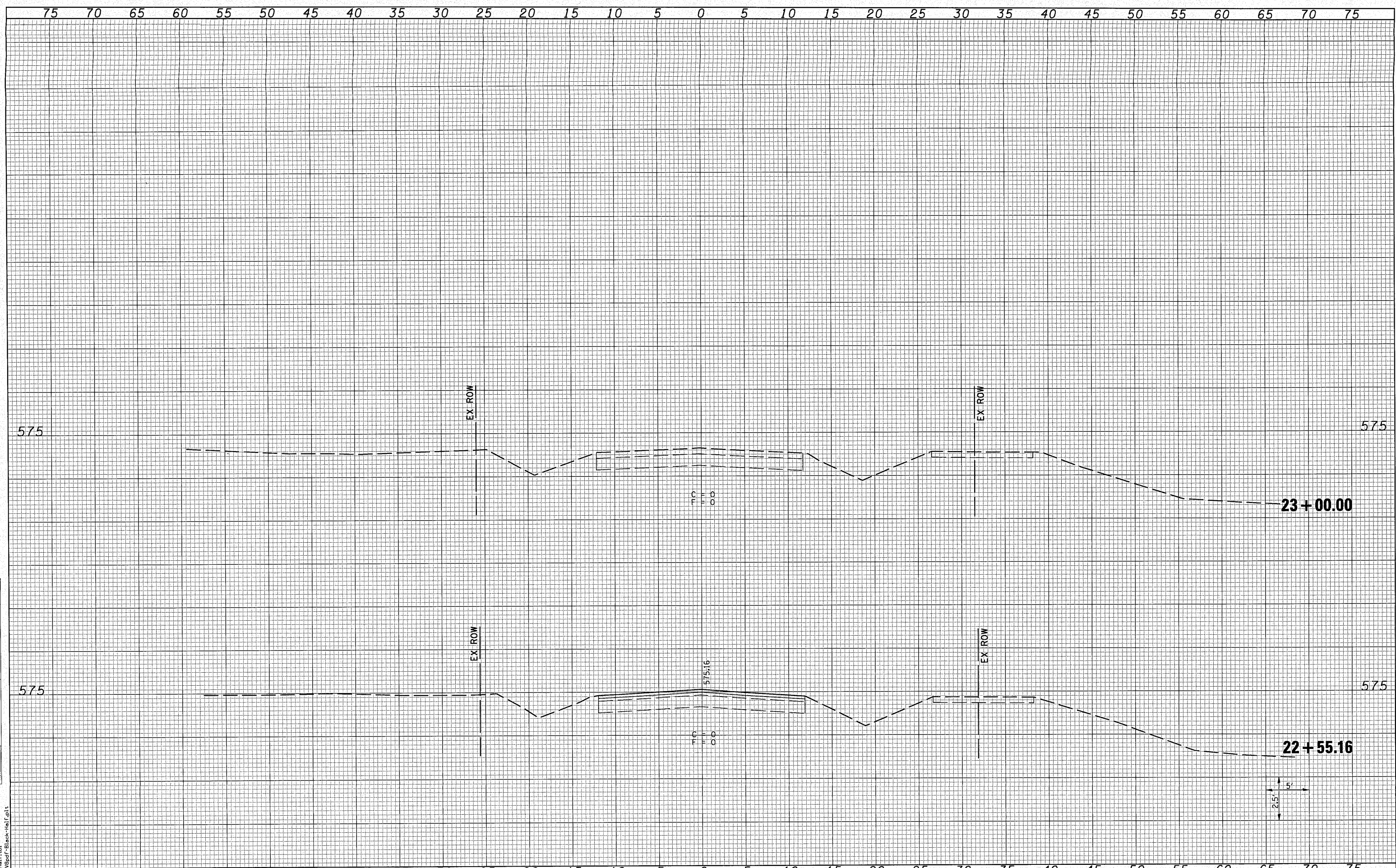
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	DRAWN -	REVISED -
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SCALE: 1"=5'
 SHEET NO. 1 OF SHEETS
 STA. 22+00.00 TO STA. 22+50.00

F.A.U. 9170
 PORTER / SIMMONS ROADS
 SECTION 08-00060-00-PV
 CONTRACT 97408

TOTAL SHEETS	36
SHEET NO.	32



DATE	
BY	
SURVEYED	
NOTE BOOK	
NO.	
TEMPLATES	
AREAS CHECKED	

DATE	
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SURVEYED	
NOTE BOOK	
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TEMPLATES	
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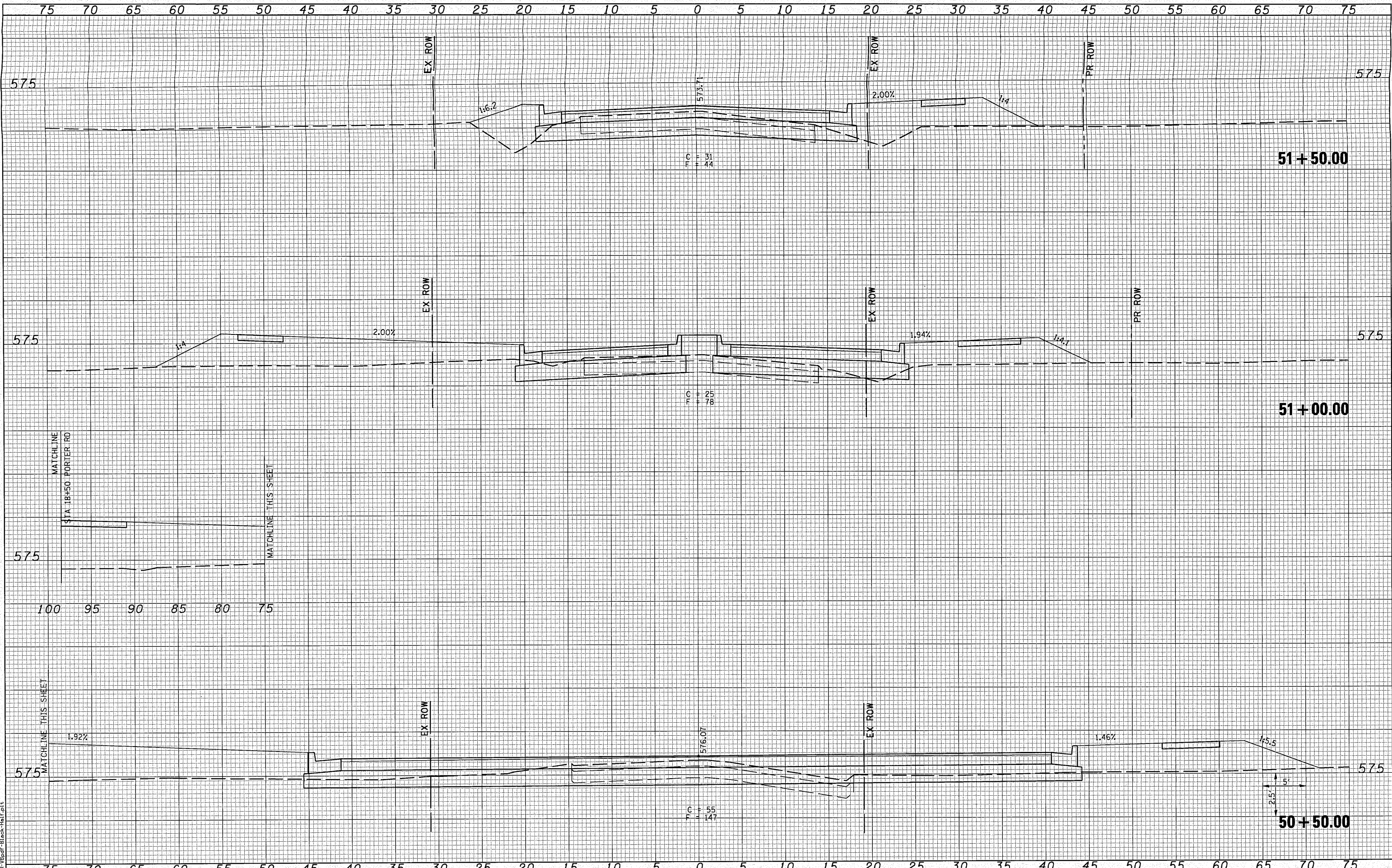
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SCALE: 1"=5'
 SHEET NO. 1 OF SHEETS
 STA. 22+55.16 TO STA. 23+00.00

CROSS SECTIONS
 PORTER ROAD

F.A.U. 9170	TOTAL SHEETS	SHEET NO.
PORTER / SIMMONS ROADS	36	33
SECTION 08-00060-00-PV		
CONTRACT 97408		



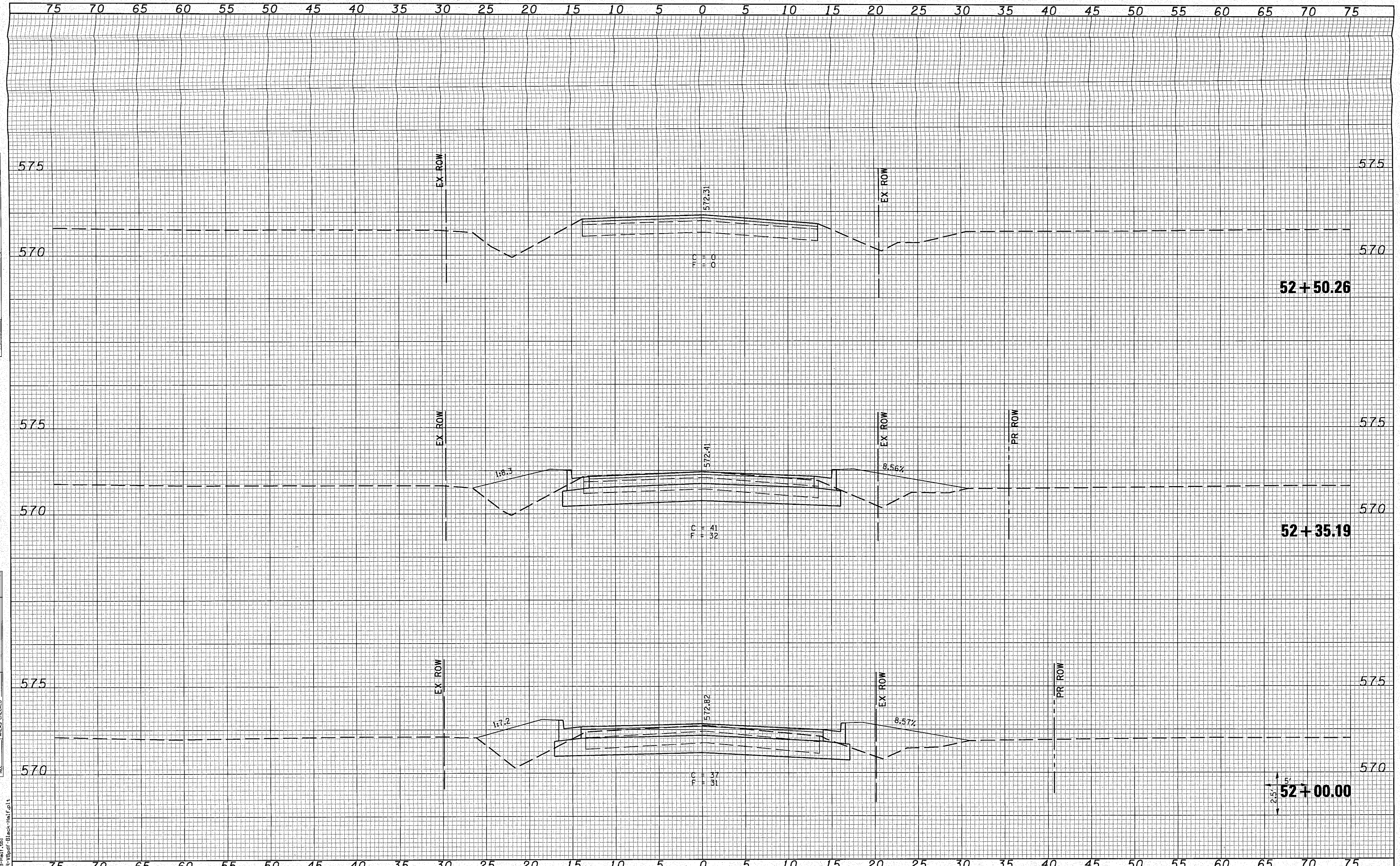
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BY	
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NOTE BOOK	
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NOTE BOOK	
AREAS	
AREAS CHECKED	

LAST SAVED = 11/29/2009
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DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
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DATE	
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SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



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CHECKED -	REVISD -
DRAWN -	REVISD -
CHECKED -	REVISD -



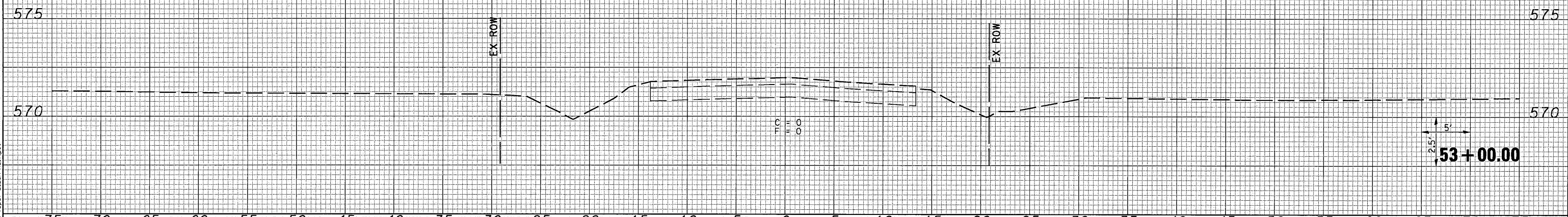
CROSS SECTIONS
 SIMMONS ROAD
 SCALE: 1"=5'
 SHEET NO. 1 OF SHEETS
 STA. 52+00.00 TO STA. 52+50.26

F.A.U. 9170		TOTAL SHEETS	SHEET NO.
PORTER / SIMMONS ROADS		36	35
SECTION 08-00060-00-PV			
CONTRACT 97408			

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
NO.	



LAST SAVED = 11/29/2009
 PEN TABLE = 08-hal-f-hal
 PLOT DRIVER = TR-V8pdf-Black-hal-f.plt

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SCALE: 1"=5'	SHEET NO. 1 OF SHEETS	STA. 53+00.00 TO STA. 53+00.00
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F.A.U. 9170	TOTAL SHEETS	SHEET NO.
PORTER / SIMMONS ROADS	36	36
SECTION 08-00060-00-PV	CONTRACT 97408	