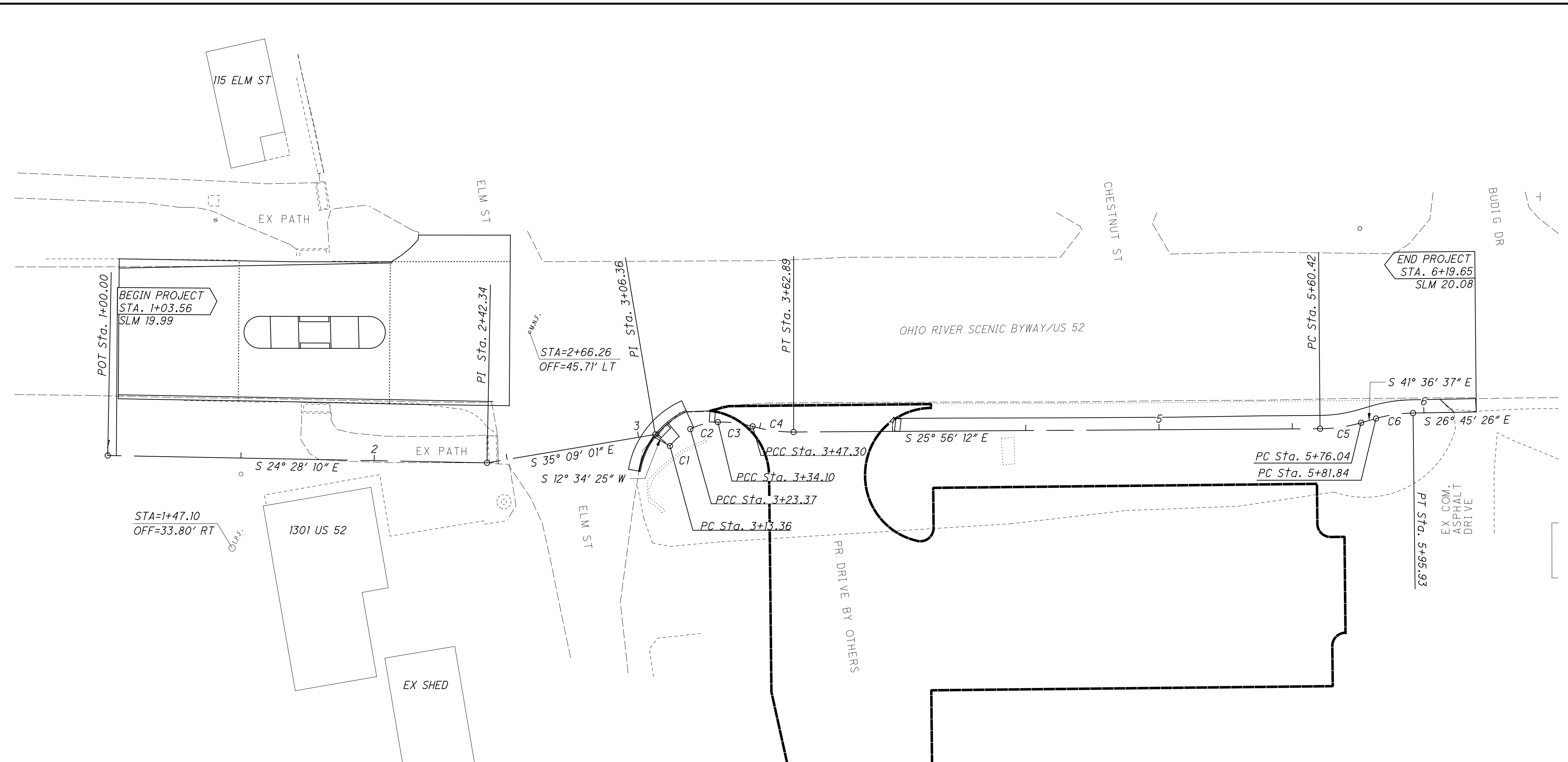


CALCULATED
KJC
CHECKED
SAM

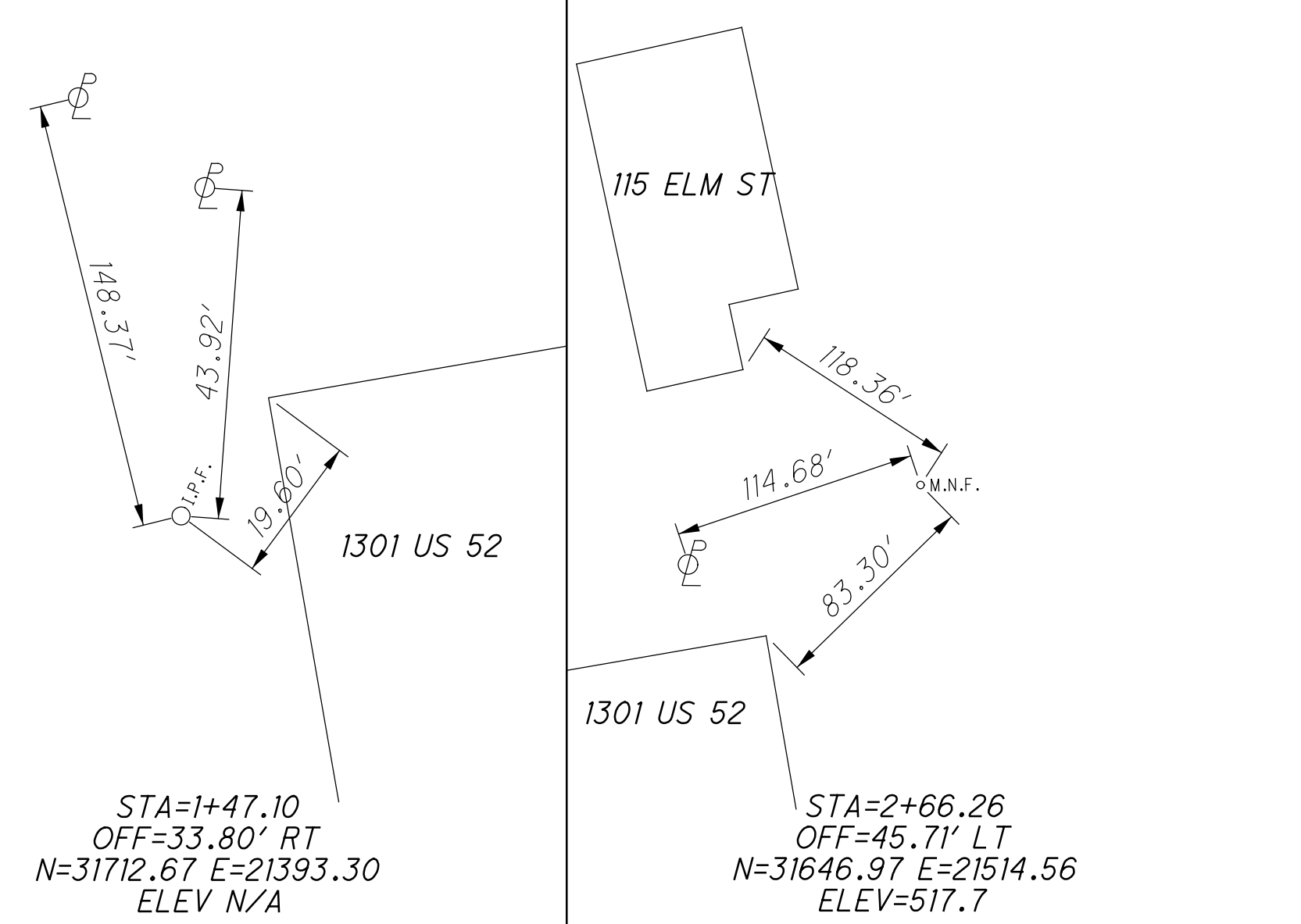
**SCHEMATIC LAYOUT
ABERDEEN SRTS**

BRO - 52 - 19.99

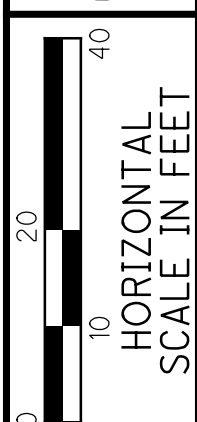
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CENTERLINE REFERENCES (Not to Scale)



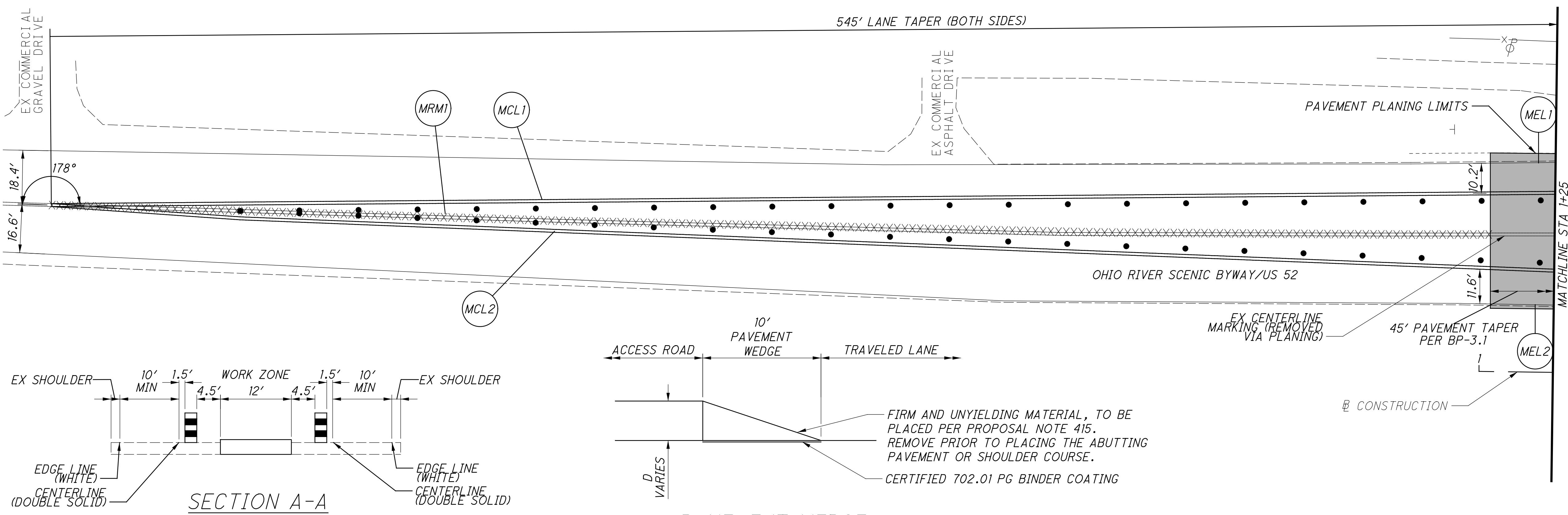
C1 (NON-TANGENT)	C2 (NON-TANGENT)	C3 (NON-TANGENT)	C4 (NON-TANGENT)	C5	C6
P.I. Sta. 3+18.44	P.I. Sta. 3+28.83	P.I. Sta. 3+40.75	P.I. Sta. 3+55.14	P.I. Sta. 5+68.28	P.I. Sta. 5+88.93
$\Delta = 24^\circ 24' 36''$ (RT)	$\Delta = 26^\circ 09' 24''$ (RT)	$\Delta = 16^\circ 48' 46''$ (RT)	$\Delta = 15^\circ 31' 51''$ (LT)	$\Delta = 15^\circ 33' 35''$ (LT)	$\Delta = 15^\circ 22' 17''$ (RT)
Dc = 243' 48' 43"	Dc = 243' 48' 43"	Dc = 127' 19' 26"	Dc = 99' 38' 41"	Dc = 99' 38' 41"	Dc = 109' 08' 05"
R = 23.50'	R = 23.50'	R = 45.00'	R = 57.50'	R = 57.50'	R = 52.50'
T = 5.08'	T = 5.46'	T = 6.65'	T = 7.84'	T = 7.86'	T = 7.08'
L = 10.01'	L = 10.73'	L = 13.20'	L = 15.59'	L = 15.62'	L = 14.08'
E = 0.54'	E = 0.63'	E = 0.49'	E = 0.53'	E = 0.53'	E = 0.48'
C = 9.94'	C = 10.64'	C = 13.16'	C = 15.54'	C = 15.57'	C = 14.04'
C.B. = S 65° 13' 17" E	C.B. = S 39° 56' 17" E	C.B. = S 18° 27' 12" E	C.B. = S 17° 48' 45" E	C.B. = S 33° 49' 49" E	C.B. = S 33° 55' 29" E



CALCULATED
WTM
CHECKED
SAM

MAINTENANCE OF TRAFFIC - PHASE 2
ABERDEEN SRTS

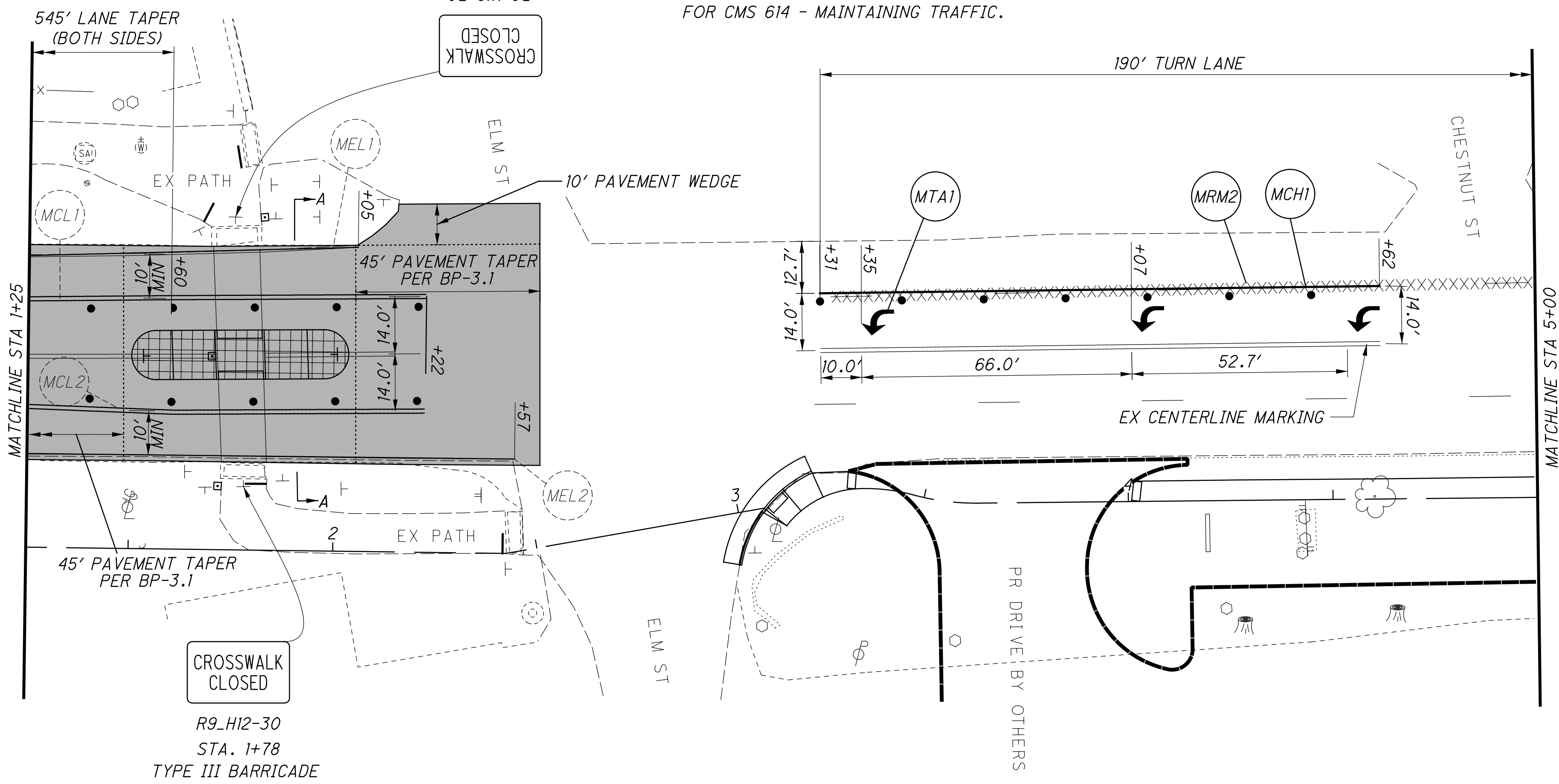
BRO-52-19.99



PAVEMENT WEDGE

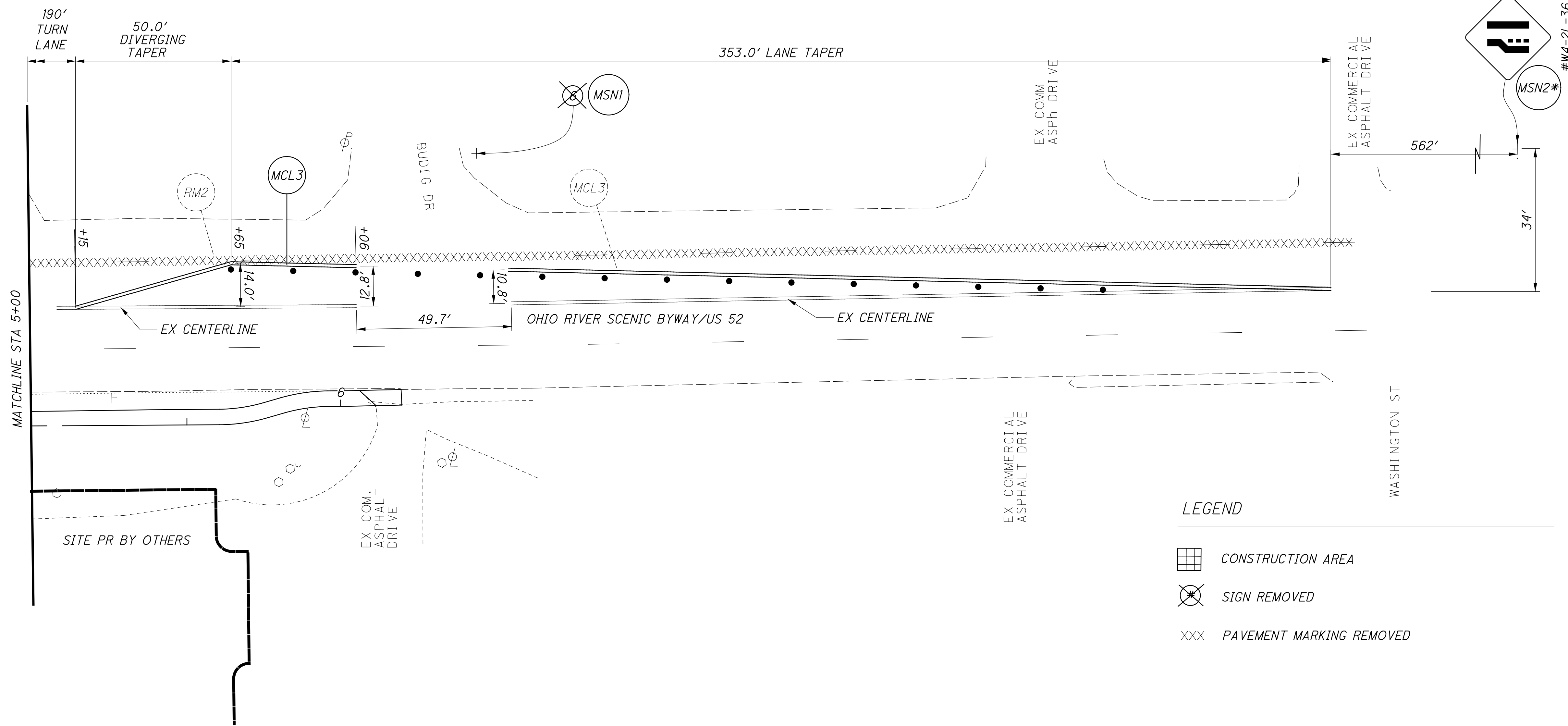
ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS TO PROVIDE AND SUBSEQUENTLY REMOVE THE PAVEMENT WEDGE SHALL BE INCLUDED AND PAID FOR UNDER THE LUMP SUM BID FOR CMS 614 - MAINTAINING TRAFFIC.

- LEGEND**
- CONSTRUCTION AREA
 - SIGN REMOVED
 - PAVEMENT MARKING REMOVED
 - PAVEMENT PLANING LIMITS:



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LEGEND

-  CONSTRUCTION AREA
-  SIGN REMOVED
-  PAVEMENT MARKING REMOVED

NOTES:

SIGN W4-2L PLACED AT DIMENSIONED DISTANCES FROM ROAD CENTERLINE AND TAPER BEGINNING. SHOWN DIMENSIONS ARE NOT TO SCALE.

*PERMANENT SIGN PLACEMENT

CALCULATED
WTM
CHECKED
SAM

0 20 40
10
HORIZONTAL
SCALE IN FEET

MAINTENANCE OF TRAFFIC - PHASE 2
ABERDEEN SRTS

BRO-52-19.99

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SHEET NUM.													PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
4	5	6	11	12	18	19						01/NFA/OT	EXT	TOTAL					
ROADWAY																			
LS												LS	201	11000	LS	CLEARING AND GRUBBING			
			15									15	202	23010	15	SY	PAVEMENT REMOVED, ASPHALT		
			70									70	202	30000	70	SF	WALK REMOVED		
					32							32	203	10000	32	CY	EXCAVATION		
					26							26	203	20000	26	CY	EMBANKMENT		
			15									15	204	10000	15	SY	SUBGRADE COMPACTION		
			1,040									1,040	608	10000	1,040	SF	4" CONCRETE WALK		
			141									141	608	13020	141	SF	7" CONCRETE WALK		
			96									96	608	52000	96	SF	CURB RAMP		
			64									64	608	53020	64	SF	DETECTABLE WARNING		
EROSION CONTROL																			
1												1	659	00100	1	EACH	SOIL ANALYSIS TEST		
47												47	659	00300	47	CY	TOPSOIL		
425												425	659	00500	425	SY	SEEDING AND MULCHING, CLASS 1		
21												21	659	14000	21	SY	REPAIR SEEDING AND MULCHING		
0.1												0.1	659	20000	0.1	TON	COMMERCIAL FERTILIZER		
0.1												0.1	659	31000	0.1	ACRE	LIME		
2												2	659	35000	2	MGAL	WATER		
												4,000	832	30000	4,000	EACH	EROSION CONTROL		
PAVEMENT																			
			907									907	254	01000	907	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 3"		
			4									4	301	46000	4	CY	ASPHALT CONCRETE BASE, PG64-22		
			3									3	304	20000	3	CY	AGGREGATE BASE		
			11									11	407	10000	11	GAL	TACK COAT		
			71									71	441	50000	71	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22		
			14									14	609	26000	14	FT	CURB, TYPE 6		
			68									68	609	58000	68	SY	9" CONCRETE TRAFFIC ISLAND		
TRAFFIC CONTROL																			
						4						4	620	60000	4	EACH	DELINEATOR, POST SURFACE MOUNTED, TYPE D		
	3											3	625	32000	3	EACH	GROUND ROD		
						20						20	630	02100	20	FT	GROUND MOUNTED SUPPORT, NO. 2 POST		
				15		26						41	630	03100	41	FT	GROUND MOUNTED SUPPORT, NO. 3 POST		
				9		10						19	630	80100	19	SF	SIGN, FLAT SHEET		
				1		2						3	630	84900	3	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL		
						2						2	630	85100	2	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION		
				1		4						5	630	86002	5	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL		
						3						3	630	97700	3	EACH	SIGNING, MISC.:SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY		
	3											3	632	64020	3	EACH	PEDESTAL FOUNDATION		
	3											3	632	90010	3	EACH	PEDESTAL, MISC.:14', TRANSFORMER BASE		
						0.06						0.06	644	00104	0.06	MILE	EDGE LINE, 6"		
						0.31						0.31	644	00300	0.31	MILE	CENTER LINE		
						137						137	644	00404	137	FT	CHANNELIZING LINE, 12"		
						17						17	644	00500	17	FT	STOP LINE, 24"		
						182						182	644	00601	182	FT	CROSSWALK LINE, AS PER PLAN		
						205						205	644	00700	205	FT	TRANSVERSE/DIAGONAL LINE		
						3						3	644	01300	3	EACH	LANE ARROW		
				920								920	644	30000	920	FT	REMOVAL OF PAVEMENT MARKING		

GENERAL SUMMARY

BRO - 52 - 19.99

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SHEET NUM.												PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
4	5	6	11	12	18	19						01/NFA/OT	EXT	TOTAL				
				0.31								0.31	614	21200	0.31	MILE	<i>MAINTENANCE OF TRAFFIC</i>	
				0.06								0.06	614	22200	0.06	MILE	WORK ZONE CENTER LINE, CLASS I, 740.06, TYPE I	
				137								137	614	23400	137	FT	WORK ZONE EDGE LINE, CLASS I, 4", 740.06, TYPE I	
				3								3	614	30400	3	EACH	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 740.06, TYPE I	
		1										1	616	10000	1	MGAL	WORK ZONE ARROW, CLASS I, 740.06, TYPE I	
																	<i>INCIDENTALS</i>	
												LS	614	11000	LS		MAINTAINING TRAFFIC	
												2	619	16000	2	MNTH	FIELD OFFICE, TYPE A	
												LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
												LS	624	10000	LS		MOBILIZATION	

CALCULATED	KJC
	CHECKED
SAM	
GENERAL SUMMARY	
BRO - 52 - 19.99	
10	23

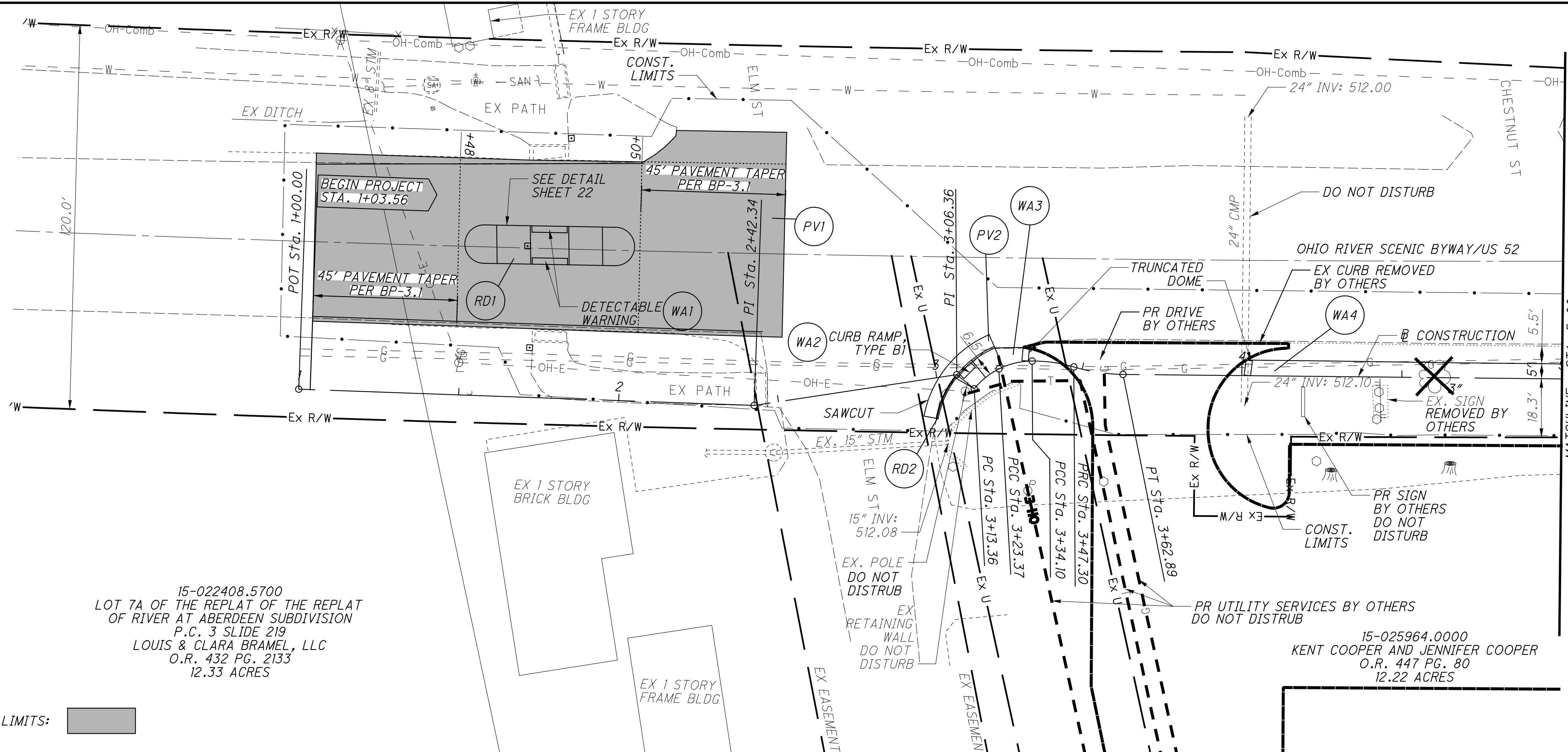
REF NO.	SHEET NO.	STATION TO STATION			254	202		441		407	301	304	204		609	609		608	608	608	608	202				
					SY	SY		CY		GAL	CY	CY	SY			SY	FT		SF	SF	SF	SF	SF			
			TO																							
PV1	13	1+48		2+05	907		70		10																	
PV2	13	1+48		3+52		15	1		1	4	3	15														
RD1	13	1+50		2+03										68												
RD2	13	2+98		3+07											14											
WA1	13	1+71		1+83													44									
WA2	13	3+05		3+25														96								
WA3	13	3+25		3+44													10					71				
WA4	13	3+95		6+11													10			1040						
WA5	14	6+06		6+20																	70	70				
TOTALS CARRIED TO GENERAL SUMMARY					907	15		71		11	4	3	15		68	14		64	96	1040	141	70				

SUB - SUMMARY	CALCULATED KJC CHECKED SAM
BRO - 52 - 19.99	11 23

REF NO.	SHEET NO.	STATION TO STATION	614	614	614	614	644	630	630	630	630												
			WORK ZONE CENTER LINE, CLASS I, 740.06, TYPE I MILE	WORK ZONE EDGE LINE, CLASS I, 740.06, TYPE I MILE	WORK ZONE CHANNELIZING LINE, CLASS I, 740.06, TYPE I FT	WORK ZONE ARROW, CLASS I, 740.06, TYPE I EACH	REMOVAL OF PAVEMENT MARKING FT	GROUND MOUNTED SUPPORT, NO. 3 POST FT	SIGN, FLAT SHEET SF	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL EACH												
MCH1	7				137																		
MCL1	7		0.12																				
MCL2	7		0.12																				
MCL3	8		0.07																				
MEL1	7			0.03																			
MEL2	7			0.03																			
MRM1	7					490																	
MRM2	7					430																	
MTA1	7				3																		
MSN1	8							15	9	1	1												
MSN2	8																						
TOTALS CARRIED TO GENERAL SUMMARY			0.31	0.06	137	3	920	15	9	1	1												

CALCULATED WTM	MAINTENANCE OF TRAFFIC SUB-SUMMARY		
		CHECKED SAM	
BRO - 52 - 19.99			
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12			
23			

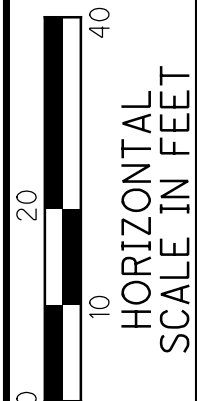
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15-022408.5700
 LOT 7A OF THE REPLAT OF THE REPLAT
 OF RIVER AT ABERDEEN SUBDIVISION
 P.C. 3 SLIDE 219
 LOUIS & CLARA BRAMEL, LLC
 O.R. 432 PG. 2133
 12.33 ACRES

15-025964.0000
 KENT COOPER AND JENNIFER COOPER
 O.R. 447 PG. 80
 12.22 ACRES

PAVEMENT PLANNING LIMITS:



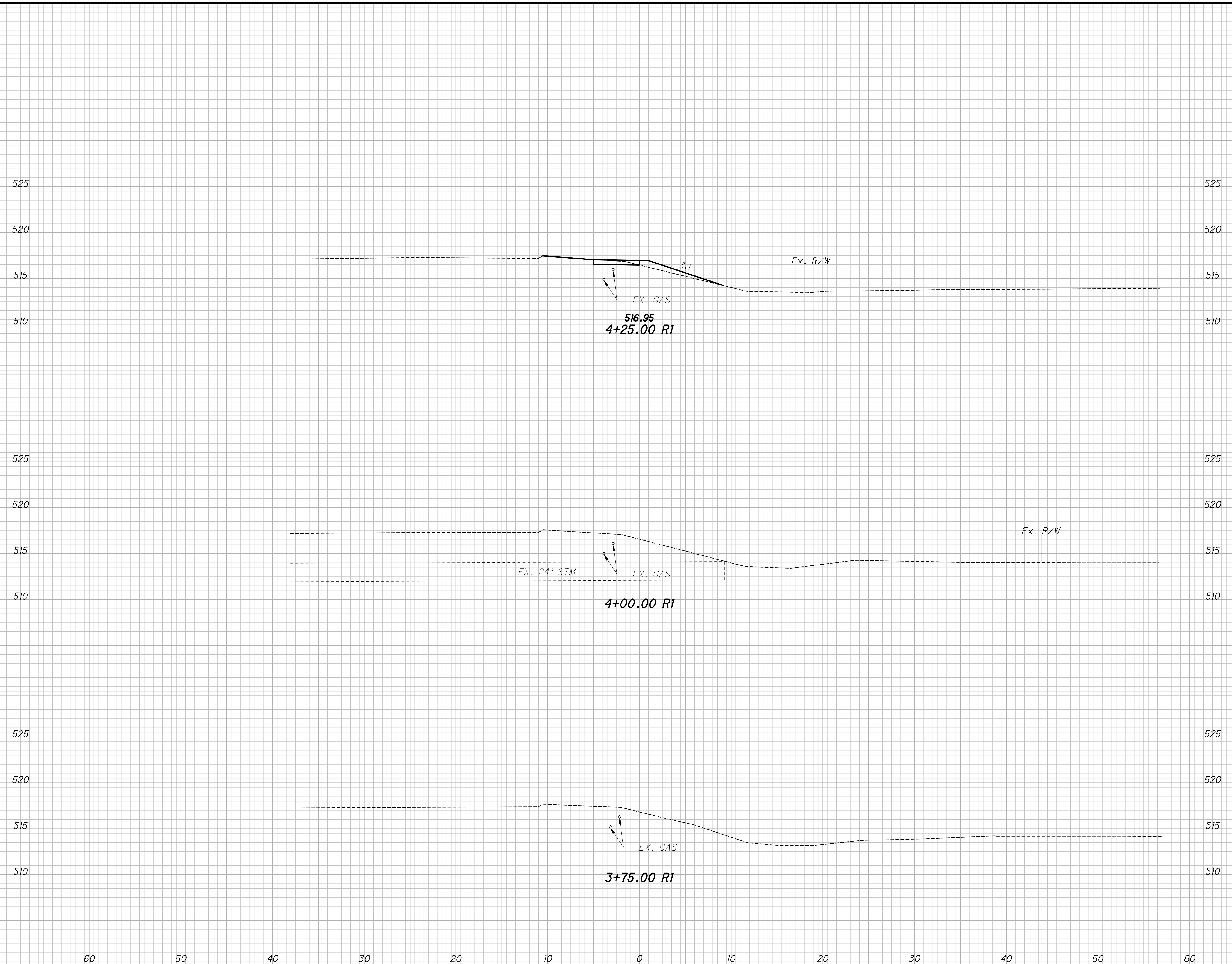
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**PLAN AND PROFILE
 ABERDEEN SRTS**

BRO - 52 - 19.99

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SEEDING	
END WIDTH	SO. YDS.
15	
40	
44	
100	
184	



END AREA		VOLUME	
CUT	FILL	CUT	FILL
2	4		
		2	4
3	2		
		2	3
2	7		
		4	9
		8	16

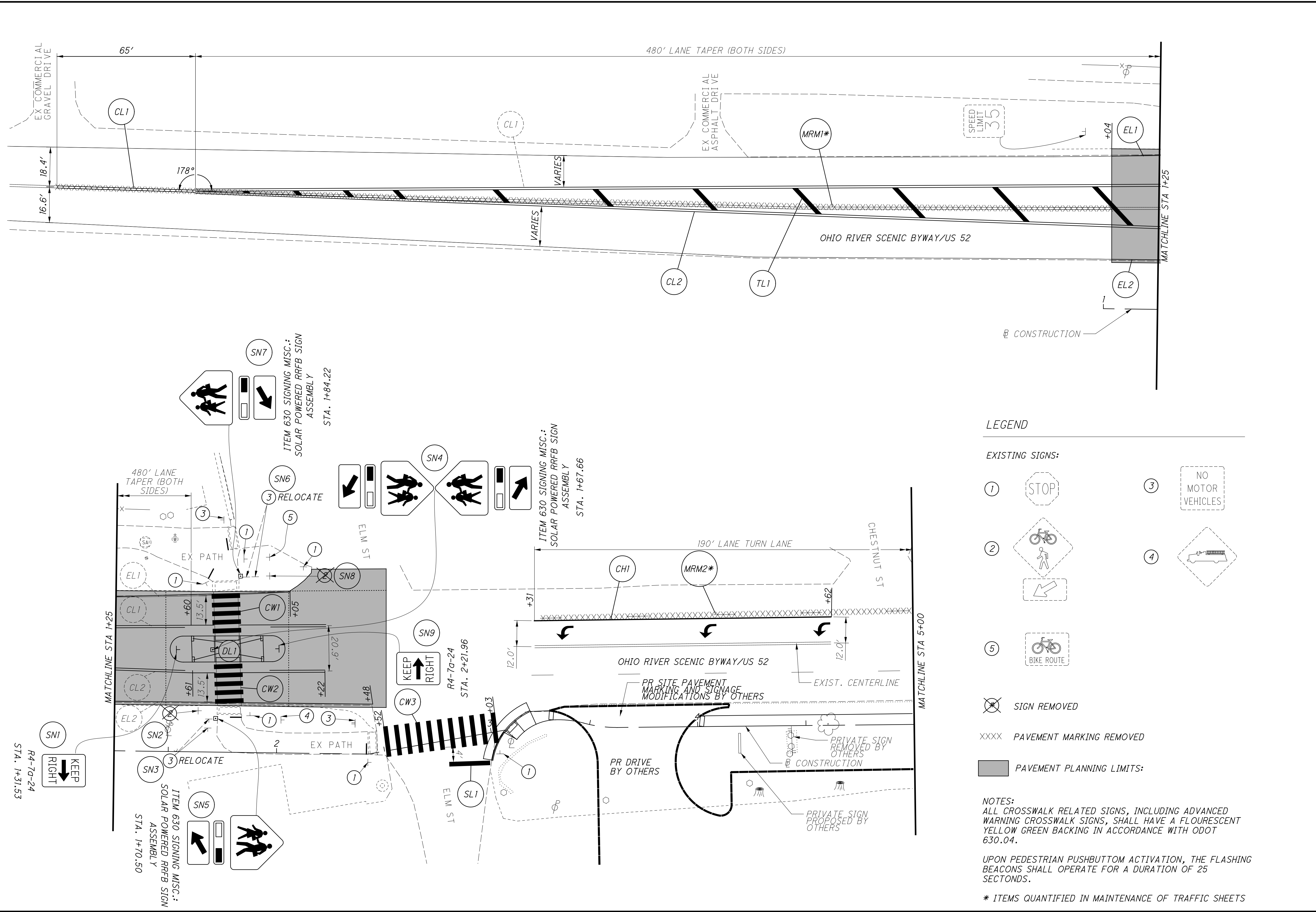
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CROSS SECTIONS
ABERDEEN SRTS
BRO - 52 - 19.99
 15
 23

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REF NO.	SHEET NO.	STATION TO STATION															
		EDGE LINE, 6"	CENTER LINE	CHANNELIZING LINE, 12"	LANE ARROW	CROSSWALK LINE, AS PER PLAN	STOP LINE, 24"	GROUND MOUNTED SUPPORT, NO. 2 POST	GROUND MOUNTED SUPPORT, NO. 3 POST	SIGN, FLAT SHEET	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	SIGNING, MISC.:SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	DELINEATOR, POST SURFACE MOUNTED, TYPE D	TRANSVERSE/DIAGONAL LINE	
		MILE	MILE	FT	EACH	FT	FT	FT	FT	SF	EACH	EACH	EACH	EACH	EACH	FT	
CH1	20			137													
CL1	20		0.12														
CL2	20		0.12														
CL3	21		0.07														
EL1	20	0.03															
EL2	20	0.03															
CW1	20					38											
CW2	20					38											
CW3	20					106											
SL1	20						17										
SN1	20							13	5								
SN2	20									1	1						
SN3	20							10			1		1				
SN4	20											1					
SN5	20											1					
SN6	20												1				
SN7	20													1			
SN8	20										1	1					
SN9	20								13	5							
DL1	20														4		
TA1	20				3												
TL1	20															130	
TL2	21															75	
TOTALS CARRIED TO GENERAL SUMMARY		0.06	0.31	137	3	182	17	20	26	10	2	4	3	2	4	205	

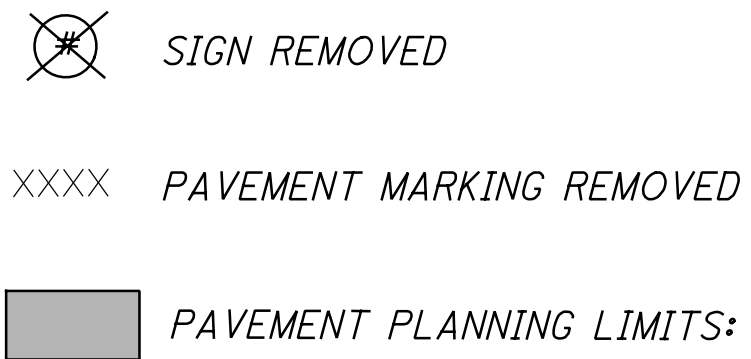
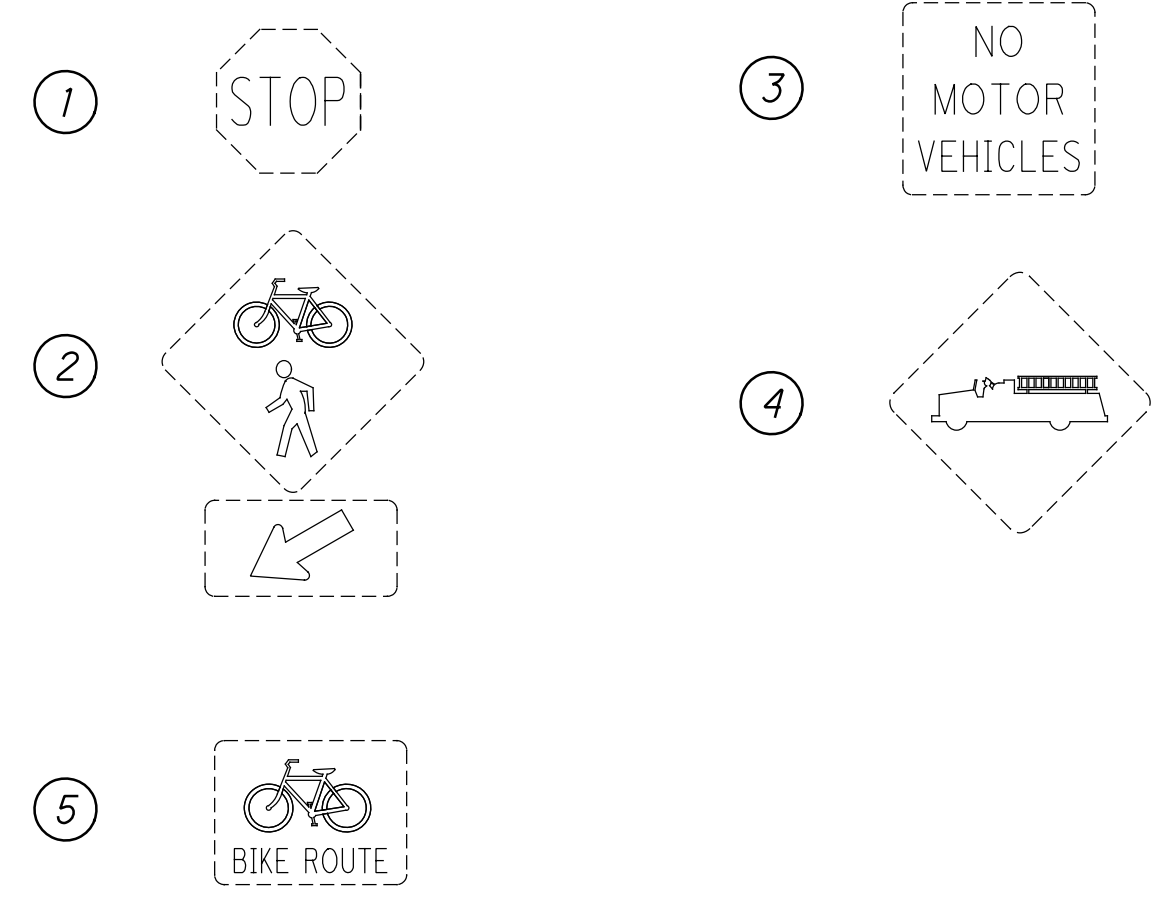
TRAFFIC CONTROL SUB-SUMMARY	BRO - 52 - 19.99						
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CALCULATED	KJC						
CHECKED	SAM						
19							
23							

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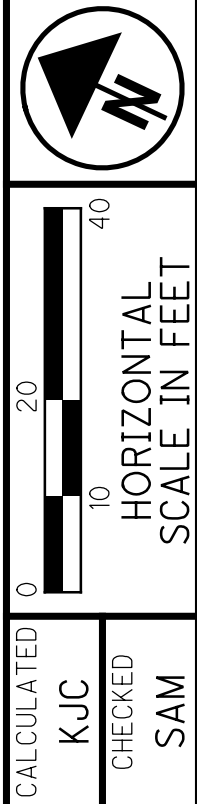
LEGEND

EXISTING SIGNS:



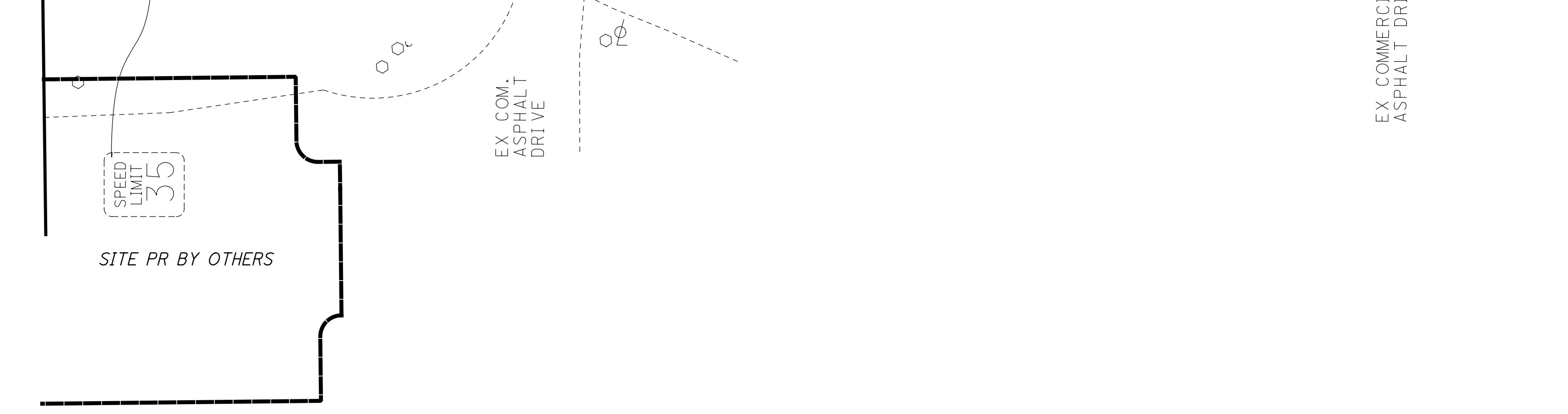
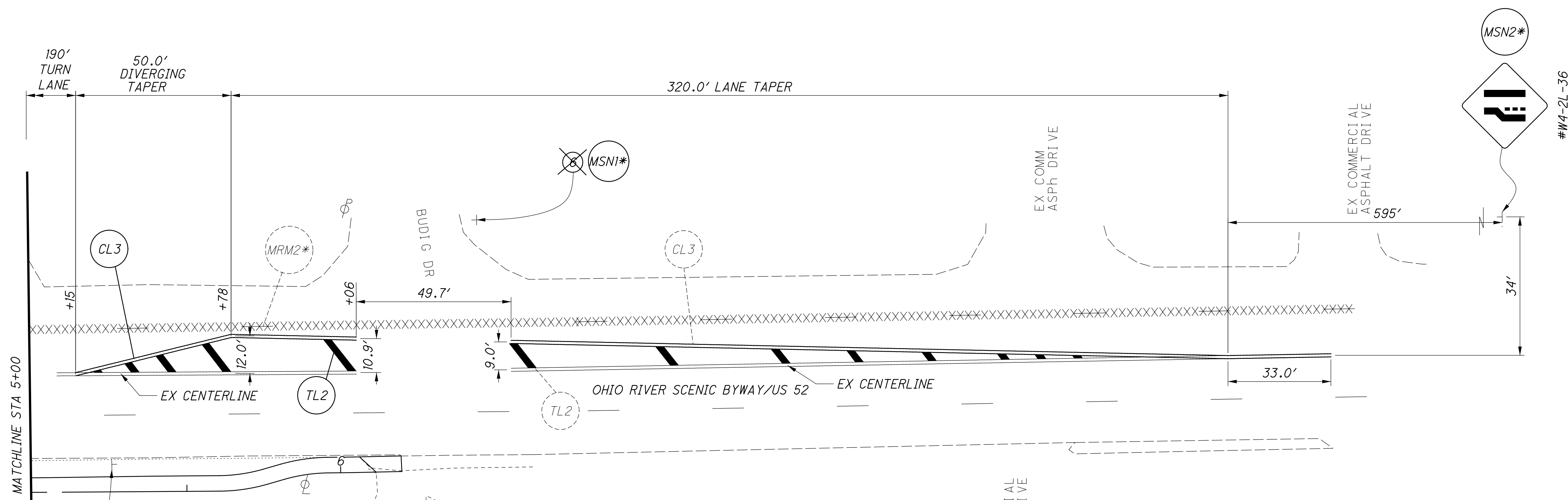
NOTES:
 ALL CROSSWALK RELATED SIGNS, INCLUDING ADVANCED WARNING CROSSWALK SIGNS, SHALL HAVE A FLOURESCENT YELLOW GREEN BACKING IN ACCORDANCE WITH ODOT 630.04.
 UPON PEDESTRIAN PUSHBUTTON ACTIVATION, THE FLASHING BEACONS SHALL OPERATE FOR A DURATION OF 25 SECONDS.

* ITEMS QUANTIFIED IN MAINTENANCE OF TRAFFIC SHEETS



TRAFFIC CONTROL
 ABERDEEN SRTS

BRO - 52 - 19.99
 20
 23



LEGEND

- EXISTING SIGNS:**
- | | | | |
|---|--|---|--|
| ① | | ③ | |
| ② | | ④ | |
| ⑤ | | ⑥ | |

SIGN REMOVED

XXXX PAVEMENT MARKING REMOVED

PAVEMENT PLANNING LIMITS:

NOTES:
 XXXX ALL CROSSWALK RELATED SIGNS, INCLUDING ADVANCED WARNING CROSSWALK SIGNS, SHALL HAVE A FLOURESCENT YELLOW GREEN BACKING IN ACCORDANCE WITH ODOT 630.04.
 * ITEMS QUANTIFIED IN MAINTENANCE OF TRAFFIC SHEETS
 # SIGN W4-2L PLACED AT DIMENSIONED DISTANCES FROM ROAD CENTERLINE AND TAPER BEGINNING. SHOWN DIMENSIONS ARE NOT TO SCALE.

CALCULATED
KJC
CHECKED
SAM

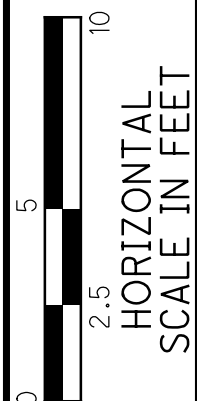
0 20 40
HORIZONTAL
SCALE IN FEET

MSN2*
#W4-2L-36

**TRAFFIC CONTROL
ABERDEEN SRTS**

BRO-52-19.99

OHIO RIVER SCENIC BYWAY/US 52



CALCULATED	KJC	CHECKED	SAM
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CURB RAMP DETAIL
ABERDEEN SRTS

BRO - 52 - 19.99

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