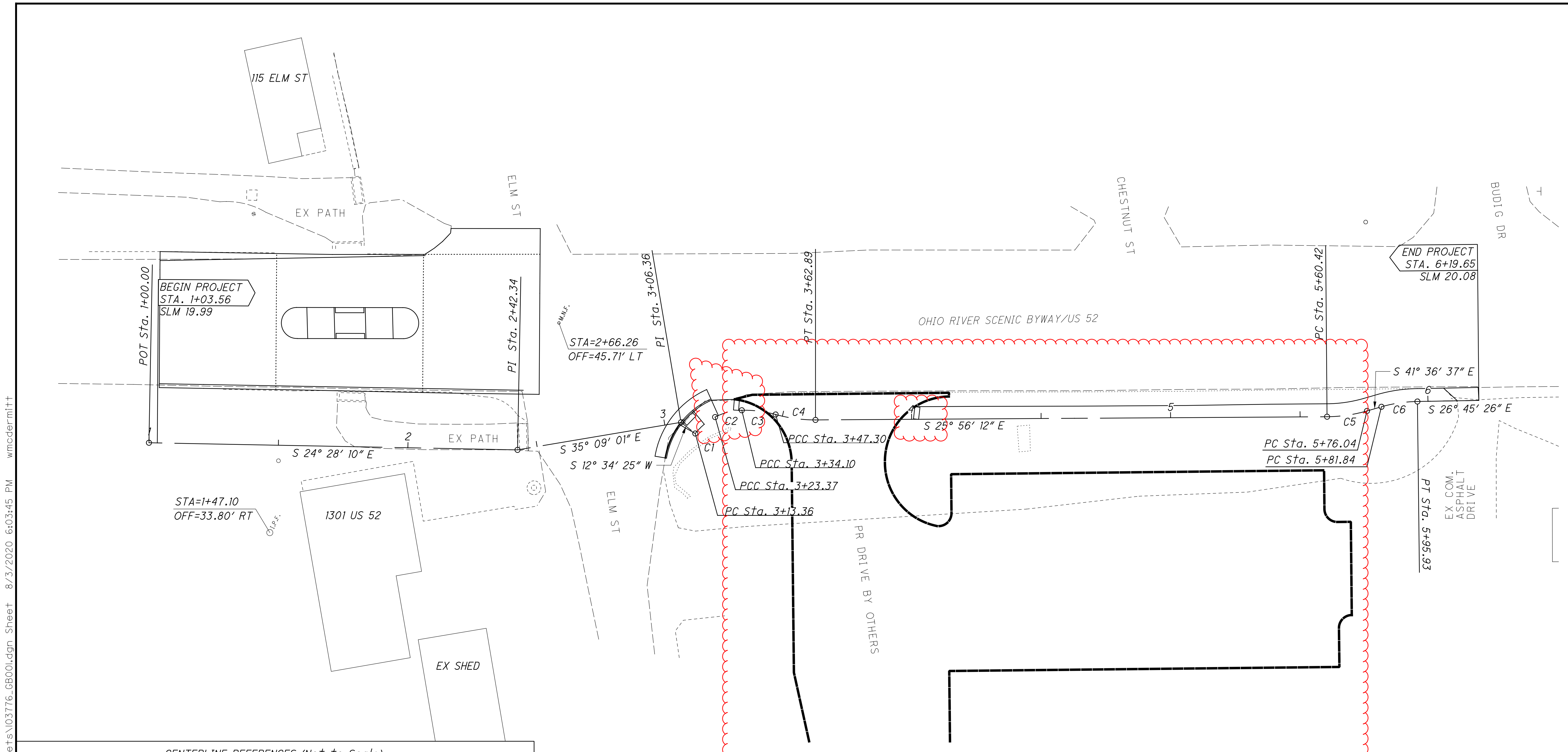


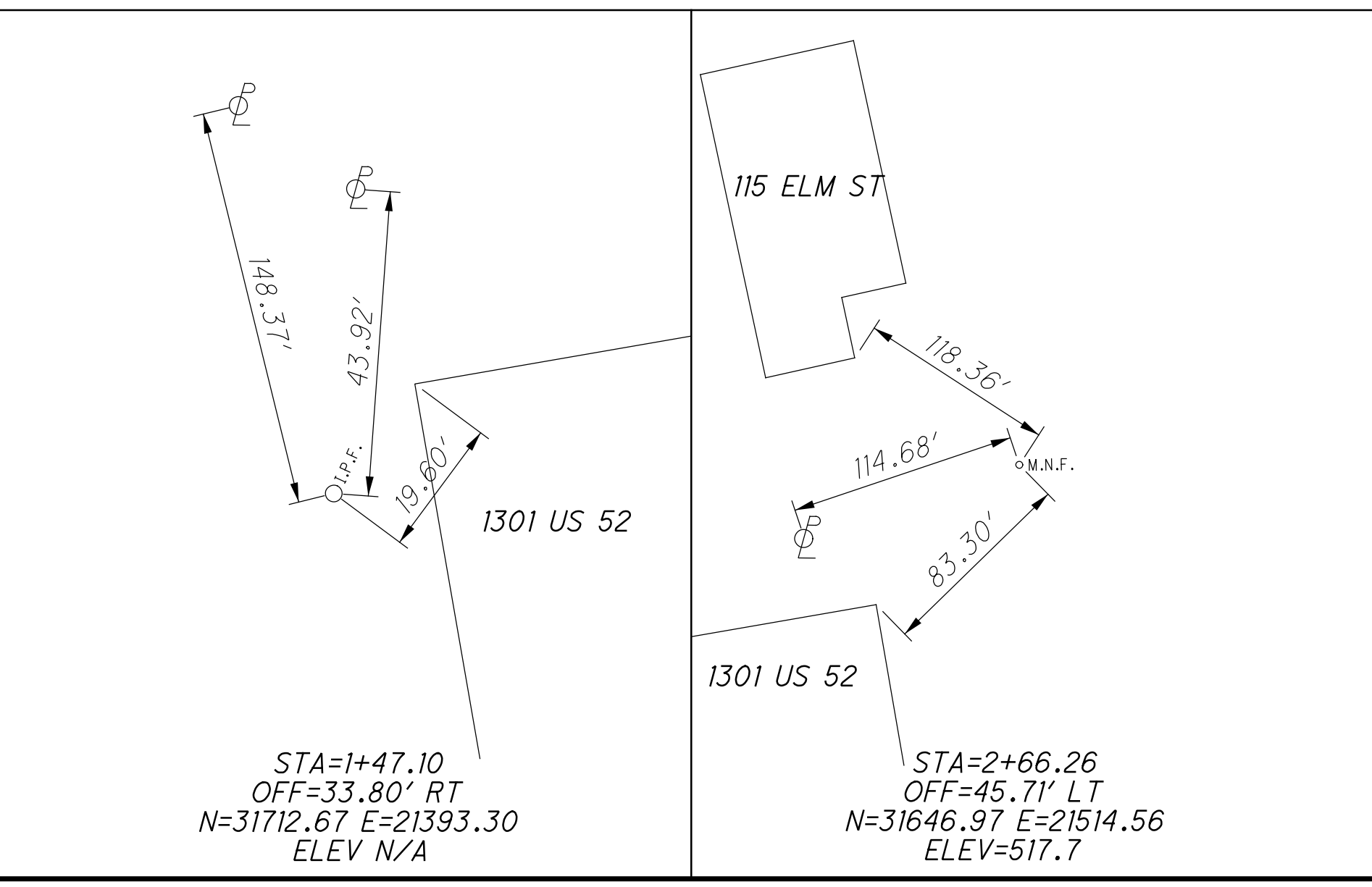
CALCULATED
KJC
CHECKED
SAM

SCHEMATIC LAYOUT ABERDEEN SRTS

BRO - 52 - 19.99



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)
$Dc = 243^\circ 48' 43''$	$Dc = 243^\circ 48' 43''$	$Dc = 127^\circ 19' 26''$	$Dc = 99^\circ 38' 41''$	$Dc = 99^\circ 38' 41''$	$Dc = 109^\circ 08' 05''$
$R = 23.50'$	$R = 23.50'$	$R = 45.00'$	$R = 57.50'$	$R = 57.50'$	$R = 52.50'$
$T = 5.08'$	$T = 5.46'$	$T = 6.65'$	$T = 7.84'$	$T = 7.86'$	$T = 7.08'$
$L = 10.01'$	$L = 10.73'$	$L = 13.20'$	$L = 15.59'$	$L = 15.62'$	$L = 14.08'$
$E = 0.54'$	$E = 0.63'$	$E = 0.49'$	$E = 0.53'$	$E = 0.53'$	$E = 0.48'$
$C = 9.94'$	$C = 10.64'$	$C = 13.16'$	$C = 15.54'$	$C = 15.57'$	$C = 14.04'$
C.B. = $S 65^\circ 13' 17''$ E	C.B. = $S 39^\circ 56' 17''$ E	C.B. = $S 18^\circ 27' 12''$ E	C.B. = $S 17^\circ 48' 45''$ E	C.B. = $S 33^\circ 49' 49''$ E	C.B. = $S 33^\circ 55' 29''$ E

H:\2016\160801\011 - Aberdeen SRTS\103776\Design\Roadway\Sheets\103776_GB001.dgn Sheet 8/3/2020 6:03:45 PM wmcdermitt



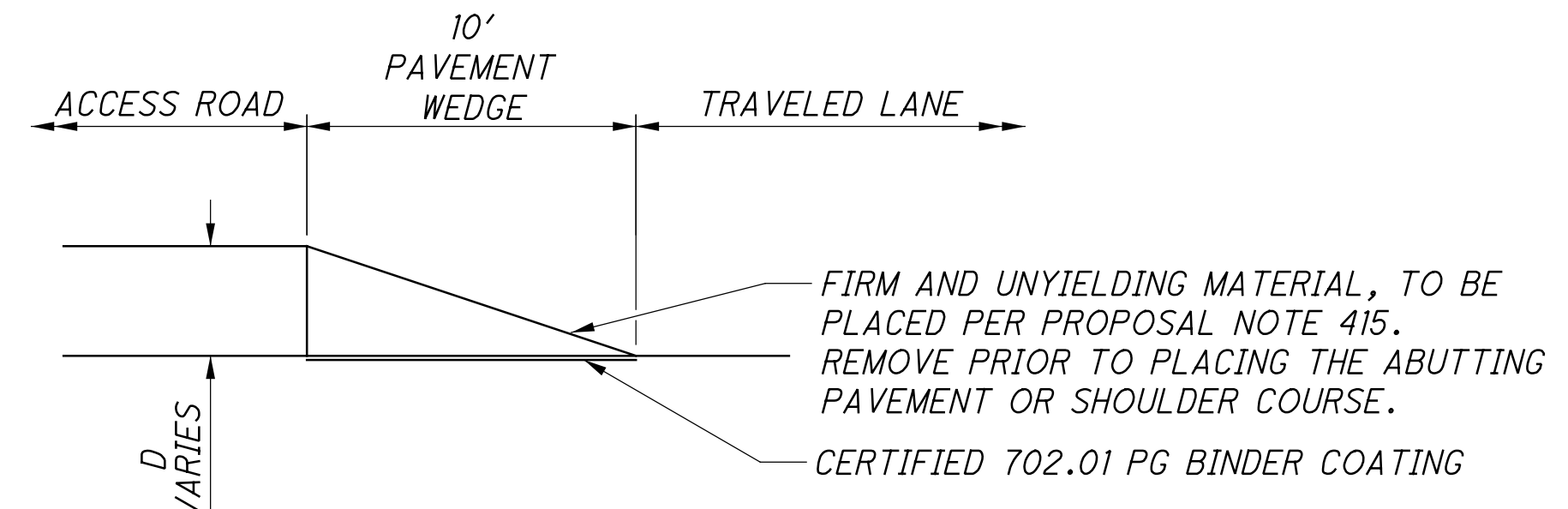
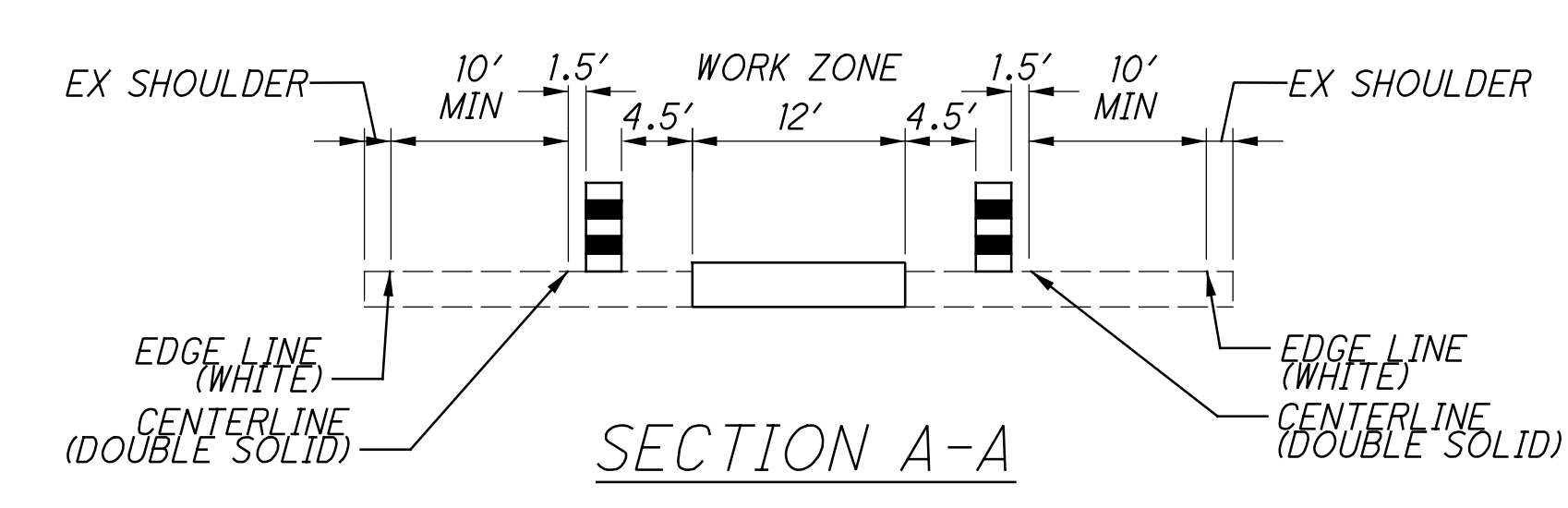
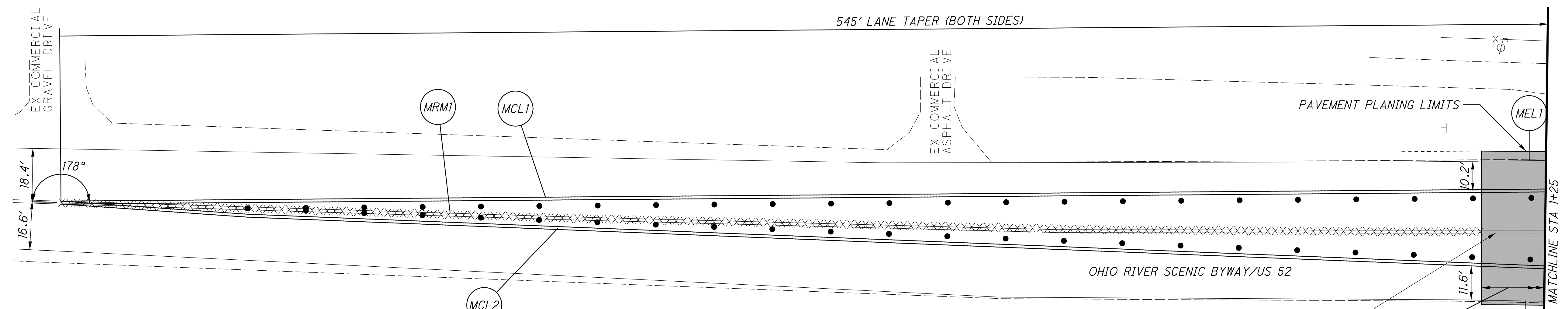
CALCULATED
WTM
CHECKED
SAM

0 10 20 40
HORIZONTAL
SCALE IN FEET

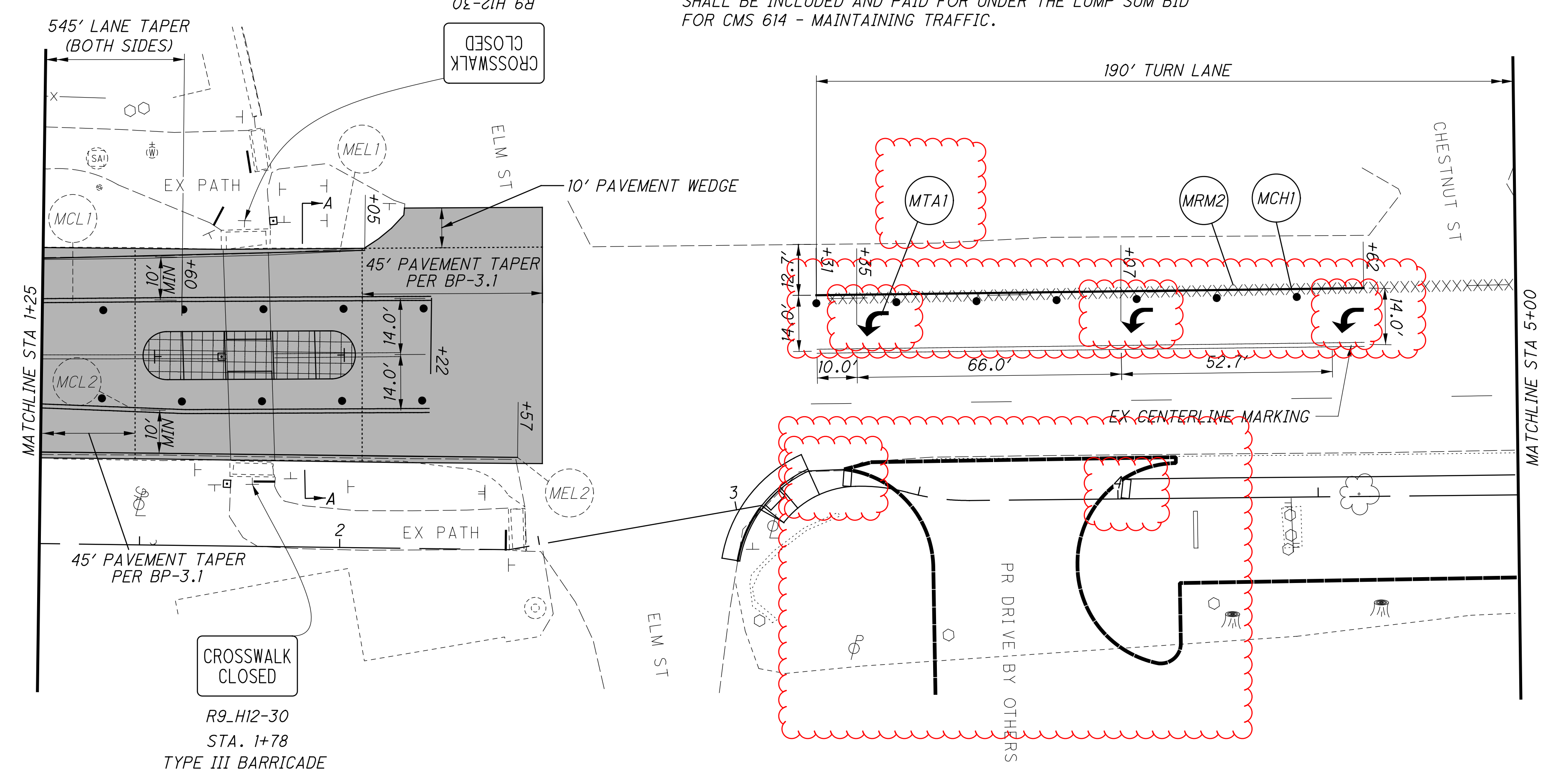
**MAINTENANCE OF TRAFFIC - PHASE 2
ABERDEEN SRTS**

BRO-52-19.99

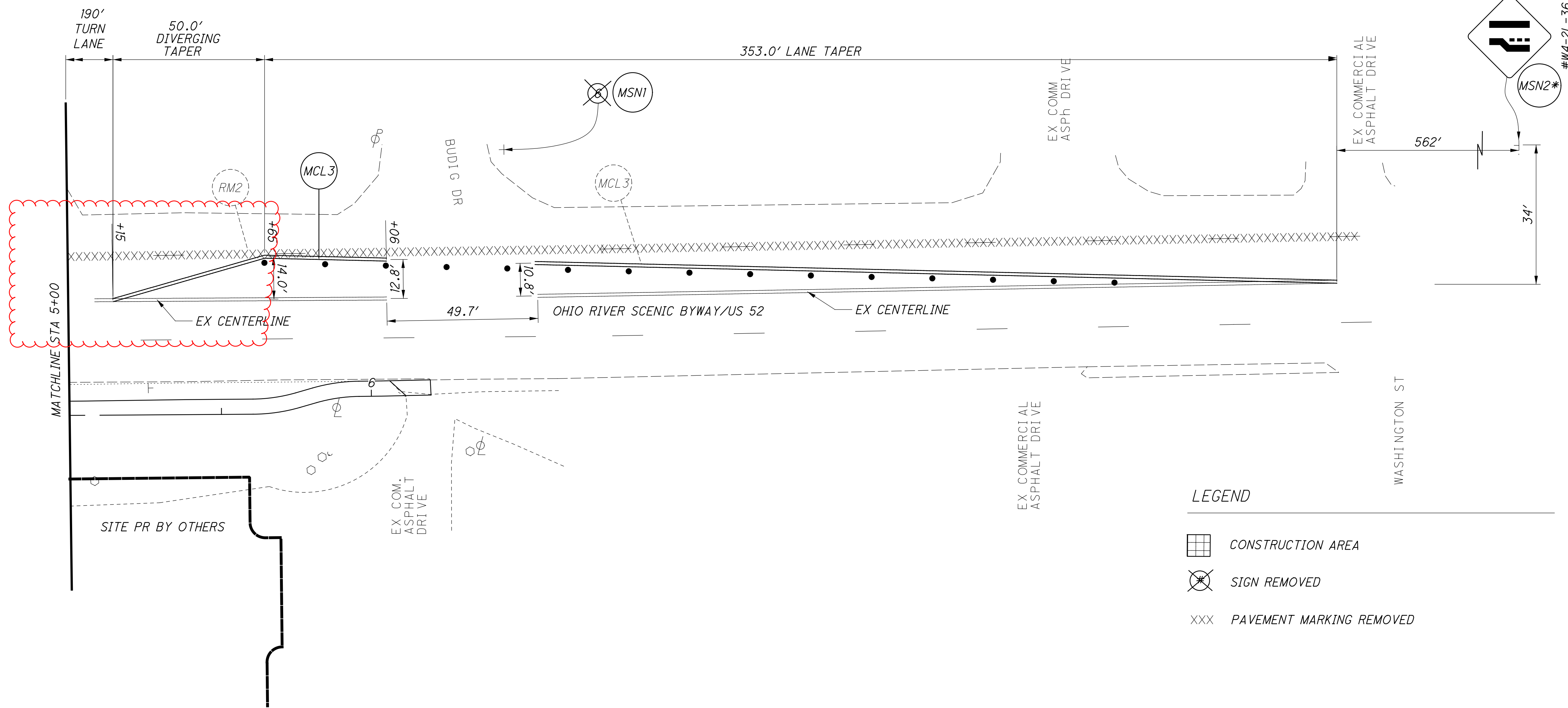
H:\2016\60801\011 - Aberdeen_SRTS\03776\Design\Roadway\Sheets\03776.MPO01.dgn_Sheet_8/3/2020 6:03:49 PM wncdermitt



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:



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

H:\2016\160801\011 - Aberdeen_SRTS\03776\Design\Roadway\Sheets\03776_GG001.dgn Sheet 8/3/2020 6:03:51PM wmodermitt

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

H:\2016\160801\011 - Aberdeen_SRTS\03776\Design\Roadway\Sheets\03776_GG002.dgn Sheet 8/3/2020 6:03:52 PM wmodermitt

SHEET NUM.												PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE
4	5	6	11	12	18	19						01/NFA/OT	EXT	TOTAL			NO.	
				0.31								0.31	21200	0.31	MILE	MAINTENANCE OF TRAFFIC WORK ZONE CENTER LINE, CLASS I, 740.06, TYPE I		
				0.06								0.06	22200	0.06	MILE	WORK ZONE EDGE LINE, CLASS I, 4", 740.06, TYPE I		
				137								137	23400	137	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 740.06, TYPE I		
				3								3	30400	3	EACH	WORK ZONE ARROW, CLASS I, 740.06, TYPE I		
		1										1	10000	1	MGAL	WATER		
												LS	614	11000	LS	INCIDENTALS 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		

GENERAL SUMMARY

BRO - 52 - 19.99

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	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				

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

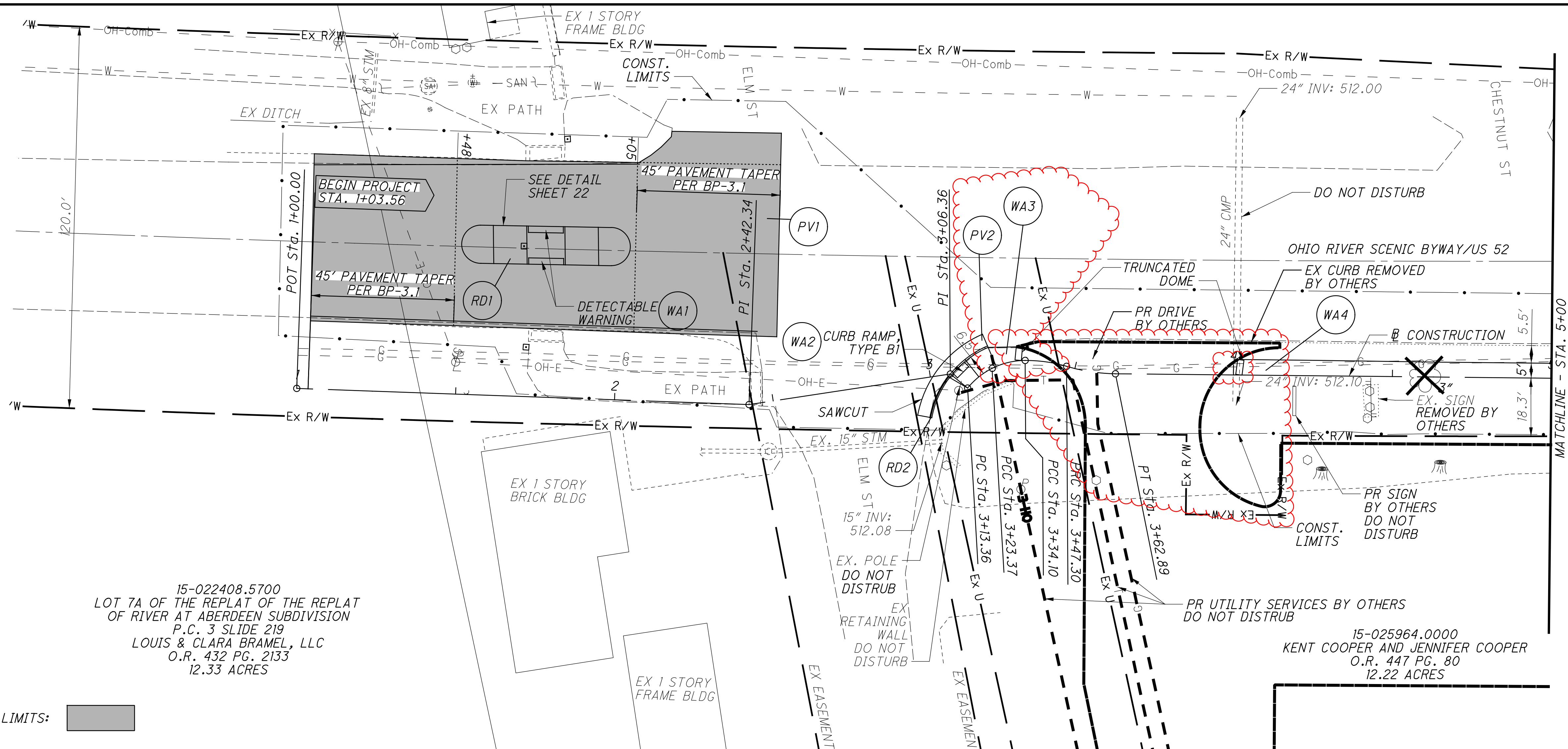
H:\2016\160801\011 - Aberdeen_SRTS\03776\Design\Roadway\Sheets\03776_GS003.dgn Sheet 8/3/2020 6:03:53 PM wmodermitt

REF NO.	SHEET NO.	STATION TO STATION	614	614	614	614	644	630	630	630										
			WORK ZONE CENTER LINE, CLASS I, 740.06, TYPE I	WORK ZONE EDGE LINE, CLASS I, 740.06, TYPE I	WORK ZONE CHANNELIZING LINE, CLASS I, 740.06, TYPE I	WORK ZONE ARROW, CLASS I, 740.06, TYPE I	REMOVAL OF PAVEMENT MARKING	GROUND MOUNTED SUPPORT, NO. 3 POST	SIGN, FLAT SHEET	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL									
			MILE	MILE	FT	EACH	FT	FT	SF	EACH	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
CHECKED SAM
BRO - 52 - 19.99
12 23

MAINTENANCE OF TRAFFIC SUB-SUMMARY

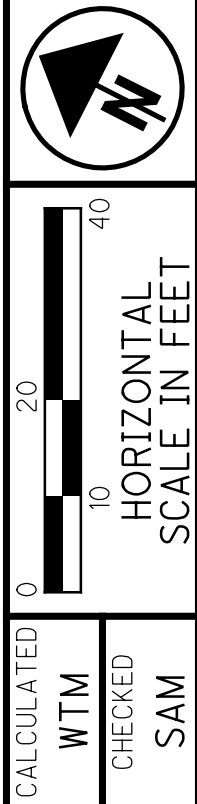
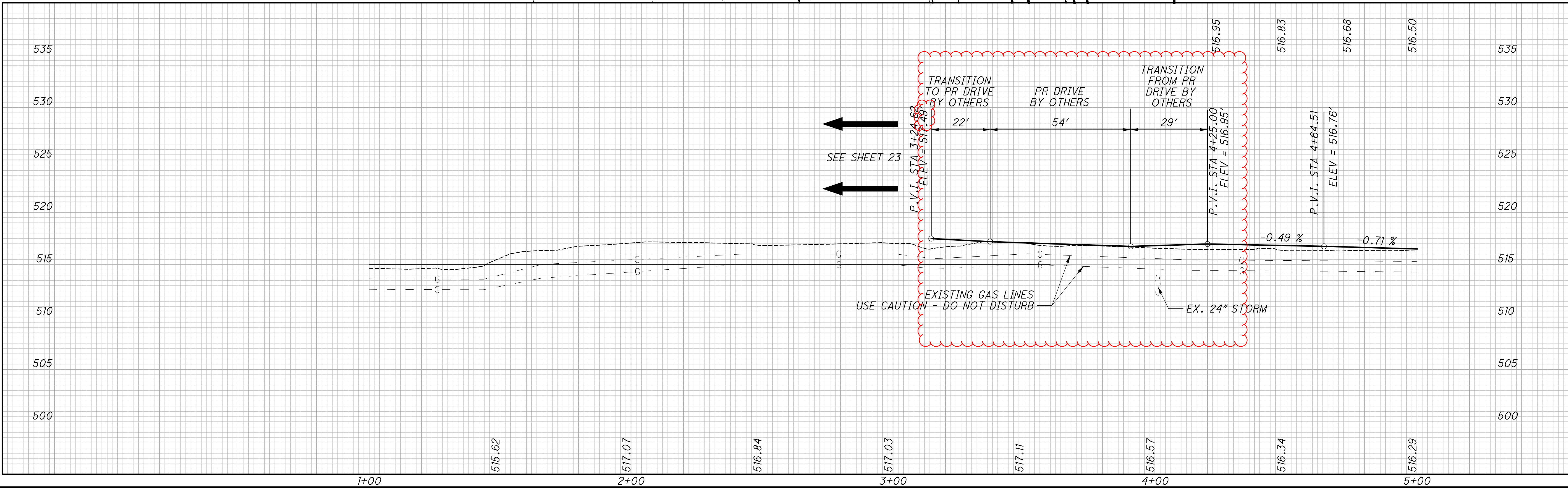
H:\2016\160801\01 - Aberdeen_SRTS\03776\Design\Roadway\Sheets\03776_GPO01.dgn Sheet 8/3/2020 6:03:55 PM wmcdermitt



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:



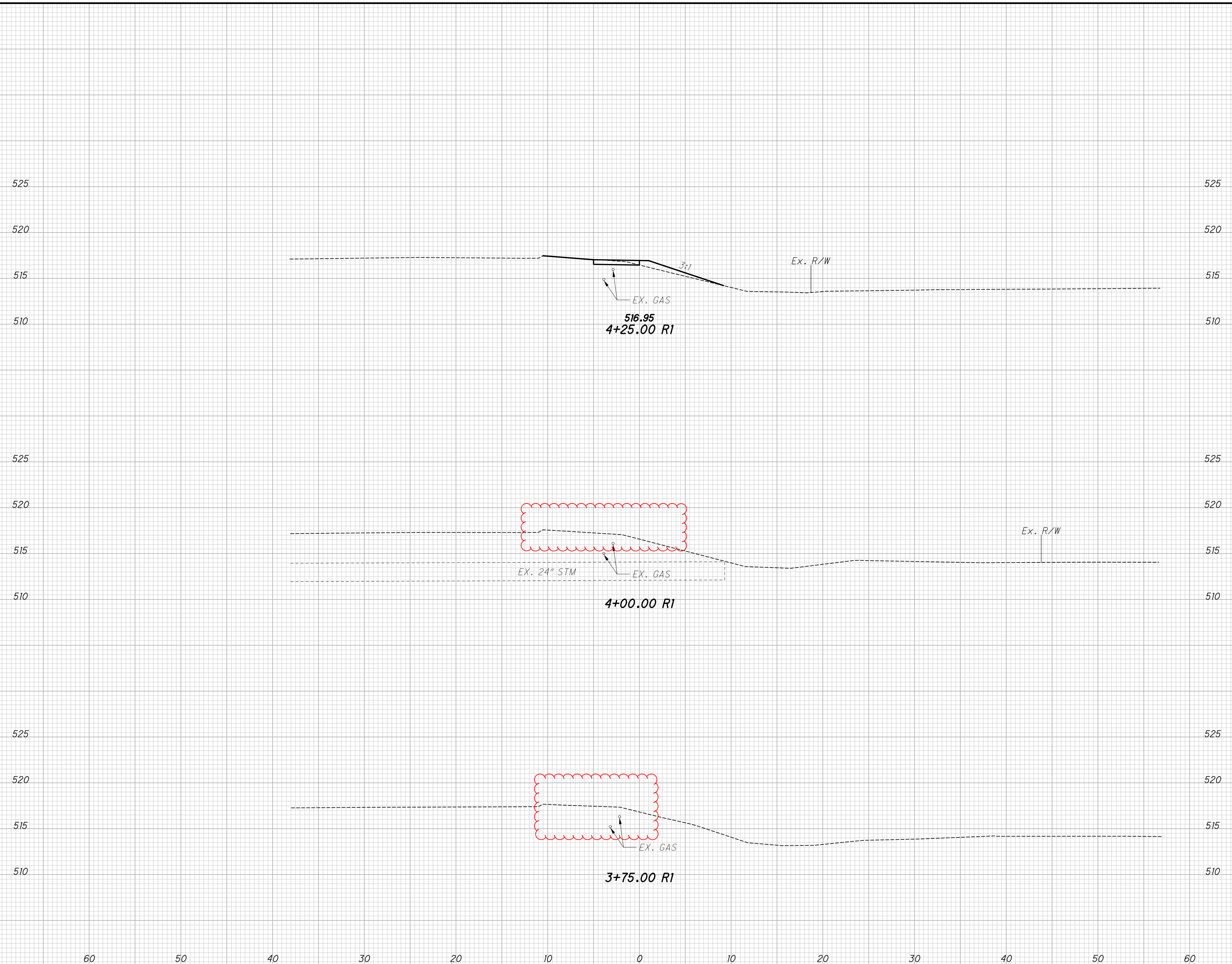
CALCULATED
 WTM
 CHECKED
 SAM

**PLAN AND PROFILE
 ABERDEEN SRTS**

BRO - 52 - 19.99

H:\2016\160801\011 - Aberdeen_SRTS\03776\Design\Roadway\Sheets\03776_XS010.dgn Sheet 8/3/2020 6:04:00 PM wmodermitt

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

CALCULATED WTM CHECKED SAM
CROSS SECTIONS
ABERDEEN SRTS
BRO - 52 - 19.99
 15
 23

H:\2016\160801\011 - Aberdeen_SRTS\03776\Design\Roadway\Sheets\03776_GS002.dgn Sheet 8/3/2020 6:04:03 PM wmodermitt

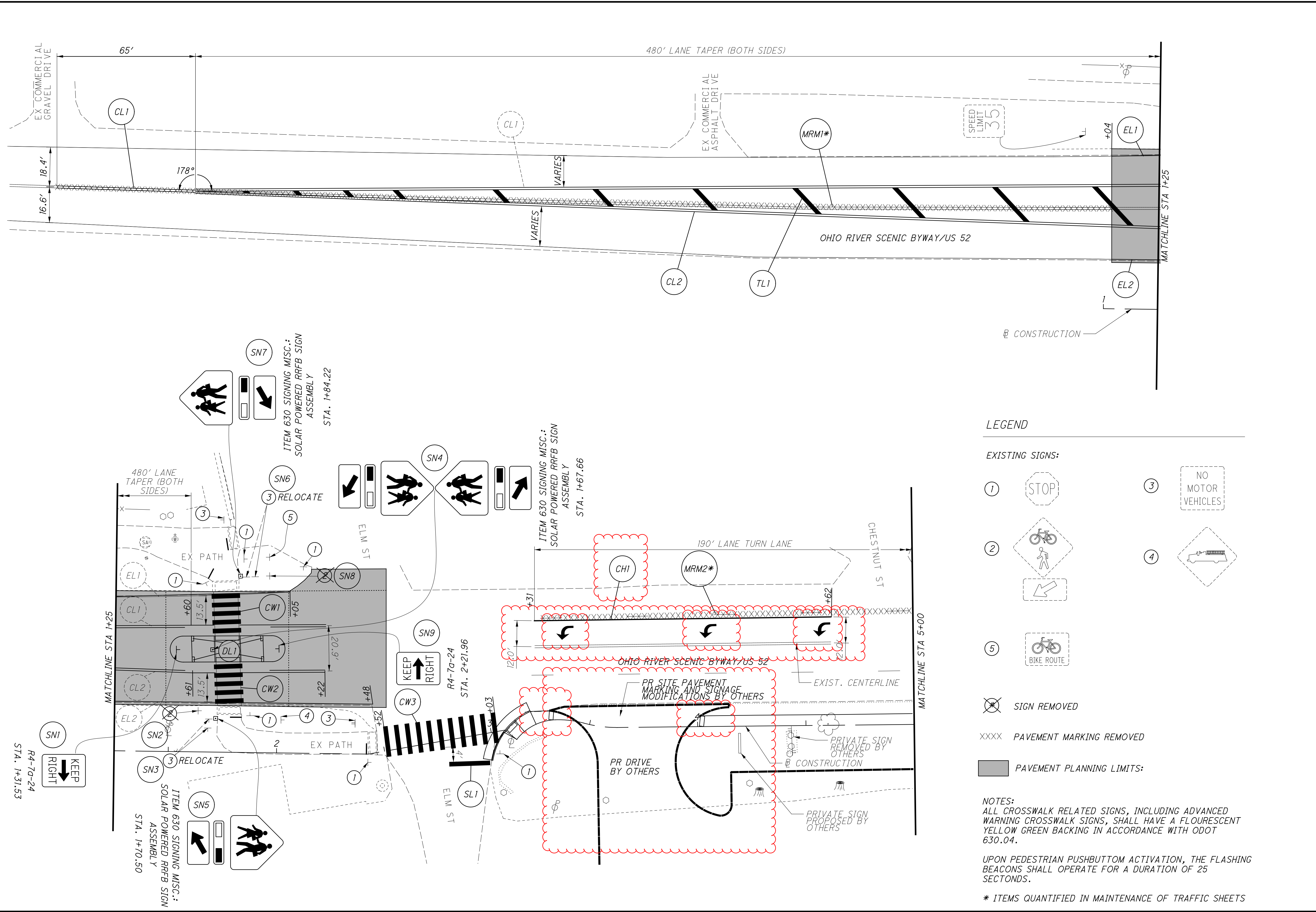
REF NO.	SHEET NO.	STATION TO STATION															
		644	644	644	644	644	644	630	630	630	630	630	630	630	620	644	
		EDGE LINE, 6"	CENTER LINE	CHANNELIZING LINE, 12"	LANE ARROW	CROSSWALK LINE, AS PER PLAN	STOP LINE, 24"	GROUND MOUNTED SUPPORT, NO. 2 POST	GROUND MOUNTED SUPPORT, NO. 3 POST	SIGN, FLAT 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							10				1		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	

CALCULATED
KJC
CHECKED
SAM

TRAFFIC CONTROL SUB-SUMMARY

BRO - 52 - 19.99

H:\2016\160801\011 - Aberdeen_SRTS\103776\Design\Roadway\Sheets\103776_TPO01.dgn Sheet 8/3/2020 6:04:04 PM wncdermitt



LEGEND

EXISTING SIGNS:

- ① STOP
- ② BICYCLE AND PEDESTRIAN
- ③ NO MOTOR VEHICLES
- ④ TRUCK
- ⑤ BIKE ROUTE

- ⊗ SIGN REMOVED
- XXXX PAVEMENT MARKING REMOVED
- PAVEMENT PLANNING LIMITS:

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.

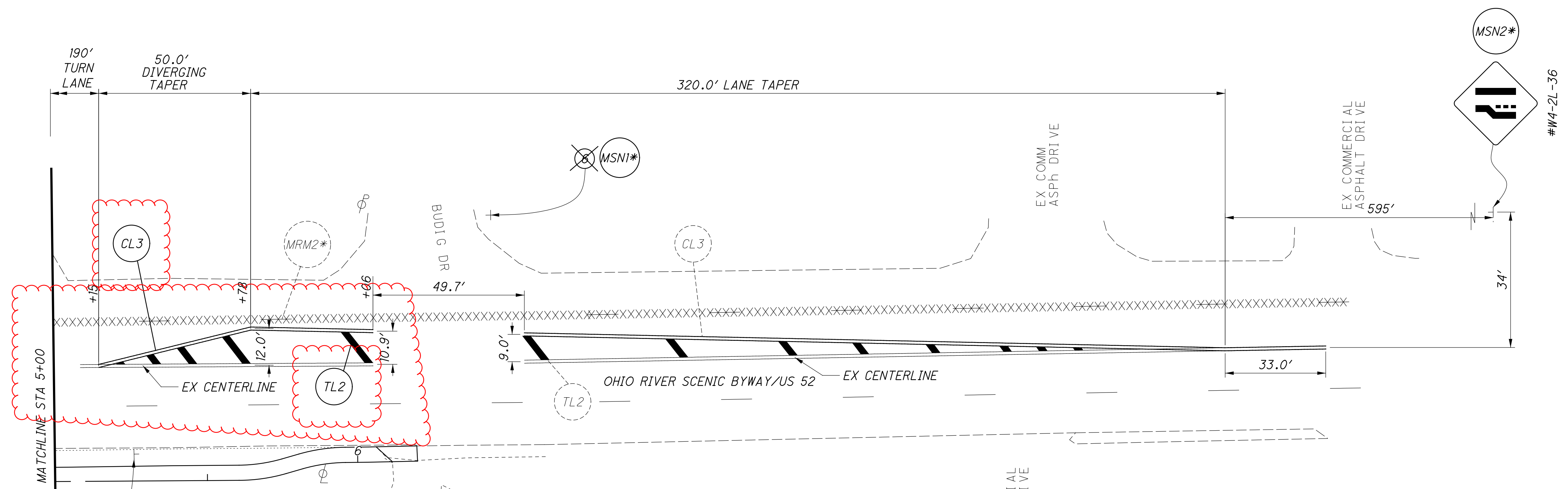
* ITEMS QUANTIFIED IN MAINTENANCE OF TRAFFIC SHEETS

CALCULATED
KJC
CHECKED
SAM

0 20 40
HORIZONTAL SCALE IN FEET

TRAFFIC CONTROL
ABERDEEN SRTS

BRO - 52 - 19.99



CALCULATED
KJC
CHECKED
SAM

0 20 40
HORIZONTAL
SCALE IN FEET

**TRAFFIC CONTROL
ABERDEEN SRTS**

BRO - 52 - 19.99

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.

OHIO RIVER SCENIC BYWAY/US 52

CALCULATED
KJC
CHECKED
SAM

0 5 10
2.5
HORIZONTAL
SCALE IN FEET

CURB RAMP DETAIL
ABERDEEN SRTS

BRO - 52 - 19.99

H:\2016\160801\011 - Aberdeen_SRTS\03776\Design\Roadway\Sheets\03776_G1002.dgn Sheet 8/3/2020 6:04:07 PM wncdermitt

