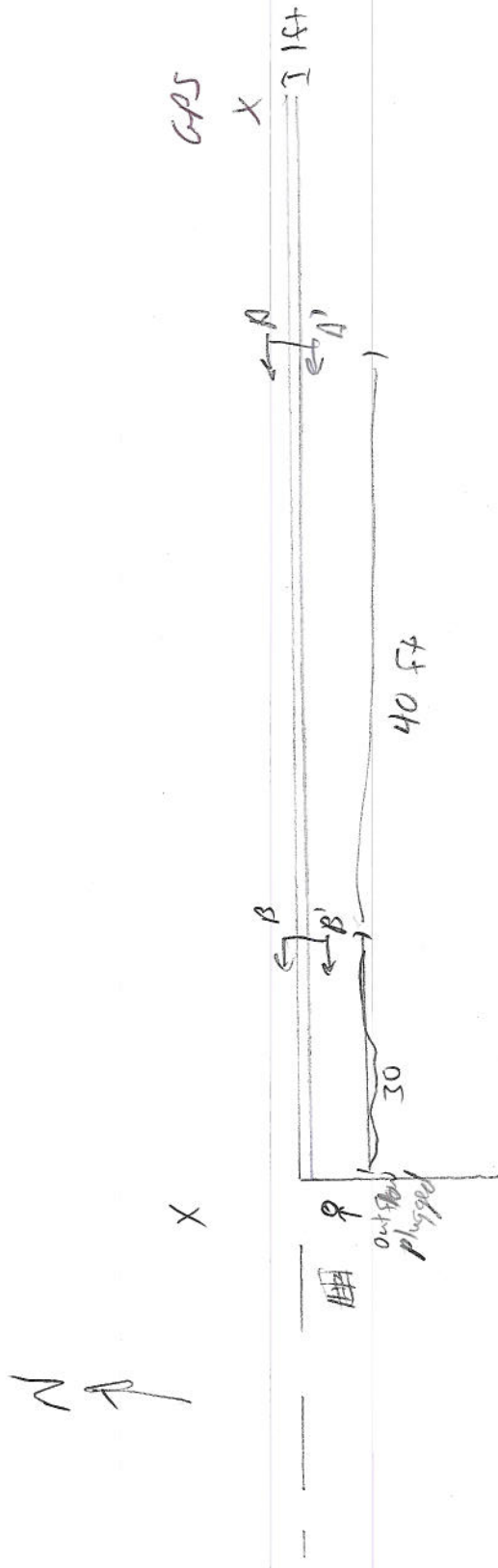
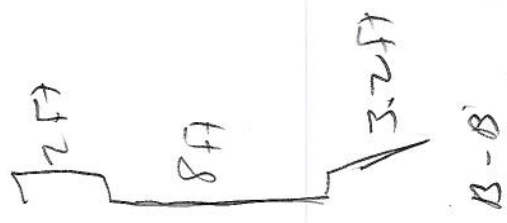
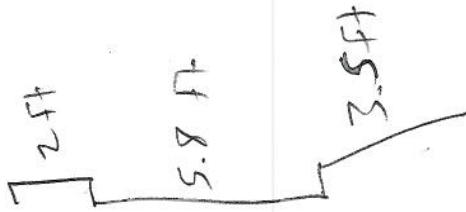




Plan View/Drainage:



Cross Sections:



Cross Sections:

NISE WALL DRAINAGE

Required Item:		Yes	No	N/A	UNK	Measurement/Extent of Problem/Location/Photo Numbers
Nylon Straps - are they CFS-Covers		Y				
Drainage		Y				
1	Is there an active water source near the toe of the wall (is the wall near a body of water with water present)?	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
2	If applicable, are the catch basins at the base of the wall blocked?	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
3	Are there culverts protruding through the wall?	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
4	Are there vertical drains that travel through the backfill?	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
5	Is there evidence at the base of the wall of leveling post? (Photo 12)	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
6	Is there evidence along the wing wall?	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
7	Are there any signs of water flow along the base of the wall?	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
8	Are there more than 15 feet between irrigation sprinklers and wall?	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
9	Does the backfill or joint fabric appear to be saturated?	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
10	Is there vegetation growing in panel joints (Photo 8)?	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
11	Are the deck drains and outlets at the top of the wall blocked? (Photo 14)	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
12	Can water enter the wall between coping and slab (i.e. Drain appropriately)?	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
13	Is there evidence at discharge point of fill washing through drain pipes?	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /

*drain is pipe at bottom blocked*

NISE WALL JOINTS

Required Item:		Yes	No	N/A	UNK	Measurement/Extent of Problem/Location/Photo Numbers
Long Level-String-Cover-CFS		Y				
Joints		Y				
1	Is backfill coming out of joints or are there piles of backfill at the base of the wall? (Pictures 2 & 3)	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
2	Are the joints wide enough to see fabric or backfill behind panels when looking into joint? (Photo 5) If yes, record the approximate maximum joint width in inches.	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
3	Is exposed backfill visible in the horizontal joint? (Photo 4)	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
4	Are there visible tears in the fabric? Is there evidence of backfill or water leaking through tear? (Do not include fabric damage to fabric)	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
5	Is the joint fabric a non-uniform horizontal spacing? Are some horizontal joints larger/smaller than others? (Photo 6)	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
6	Do the joints have a non-uniform vertical spacing? Are some vertical joints larger/smaller than others? (Photo 6)	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
7	Are the joints either in or out of the wall? (Photo 7) If yes, record the approximate maximum offset.	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
8	Does the fabric appear brittle, or appear as if it has undergone excessive UV exposure?	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /

NISE WALL FACING

Required Item:		Yes	No	N/A	UNK	Measurement/Extent of Problem/Location/Photo Numbers
Long Level-String-CFS-Covers-Cover		Y				
Wall Facing		Y				
1	Are the panels "Tilt-Up"? Is there excessive cracking in the panels?	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
2	Are there cracks that continue horizontally through adjacent panels? (Photos 9 & 10) If yes, record the approximate number of panels in the wall with cracking.	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
3	Are there cracks that continue horizontally through adjacent panels? (Photos 9 & 10) If yes, record the approximate number of panels in the wall with cracking.	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
4	Are the panels making contact with each other? If yes, record the approximate number in the wall.	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
5	Are the panel corners "pop-out" or chipped from contact with an adjacent panel? If yes, record the number in the wall.	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
6	Does crack spacing suggest Differential Settlement?	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
7	Does the overlying coping exhibit Vertical Offset?	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
8	Are the coping and parapets loose or delaminating? If yes, it may be appropriate to contact UDOT if delamination seems critical.	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
9	Are the panels in danger of falling off? (If potential exists contact appropriate UDOT region).	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
10	Are the panels bulging (bowing horizontally)? If so, record maximum deformation from acceptable coping to leveling post. (Photo 11)	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
11	Is there "slipping" at the top or bottom of the wall? (Record maximum degree of slipping from astrum along vertical level and horizontal axis)	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /

NISE TOP OF WALL OBSERVATIONS

Required Item:		Yes	No	N/A	UNK	Measurement/Extent of Problem/Location/Photo Numbers
Long Level-String-CFS-Covers		Y				
Top of Wall		Y				
1	Is there evidence of settlement at the top of the wall? (pavement cracking, etc)	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
2	Are there any open cracks in the concrete coping (not hairline)? If yes, record the approximate maximum crack width.	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /
3	Is there the connection joints in the concrete coping opened up? (Photo 6) If yes, record the maximum joint width.	Y				0-No 1% 5% 10% 25% 50% 75% 90% 95% 100% /

Y	6	N/A	UNSN	36-Is there a large gap between the approach slab and the approach pavement? (Photo 15) Other than this producer a bumping sensation as the traverse is crossed. Record the approximate maximum gap size.	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
Y	7	N/A	UNSN	37-At the abutment, has the joint between the wall coping and the abutment opened up significantly? If so record the maximum opening.	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%
Y	8	N/A	UNSN	38-Is the coping wall pulling away from pavement/roadway sections? Please record maximum displacement for wall.	/	0-No	1%	5%	10%	25%	50%	75%	90%	95%	100%

MISE STABILITY

Required Item:		Short	CRS	Probe	Measurement/Extent of Problem/Locality/Photo Numbers
Y	9	N/A	UNSN	39-What is the location depth of leveling pad? Found Cracks from well located 2 inches from wall as a measurement depth of 24 inches (24 inches in the minimum depth for MSE Wall)	oil concrete
Y	10	N/A	UNSN	40-Is leveling pad exposed?	oil flat
Y	11	N/A	UNSN	41-Is there cracking in the leveling pad? If so, record maximum crack size with gaps.	
Y	12	N/A	UNSN	42-Is there a four foot back (level slope) directly along the wall before the slope changes (Record Width)?	
Y	13	N/A	UNSN	43-Is there a slope steeper than V:1.5 to H:1 in front of the wall? Please record slope and height of backfill above top of wall.	
Y	14	N/A	UNSN	44-Is there a slope greater than V:1.5 to H:1 below the wall? Please record slope and height of backfill below the wall.	
Y	15	N/A	UNSN	45-Is there excessive degradation of face? (see?)	

MISE METAL CORROSION

Required Item:		Short	CRS	Probe	Measurement/Extent of Problem/Locality/Photo Numbers
Y	16	N/A	UNSN	46-Is there excessive corrosion on guardrails or other exposed metal that might indicate corrosive conditions?	
Y	17	N/A	UNSN	47-Are there major rust stains on the face panel? Along joints? If so, record total number.	
Y	18	N/A	UNSN	48-Are any internal straps exposed? Does there appear to be corrosion on these straps? If applicable please record the total number of straps affected.	
Y	19	N/A	UNSN	49-Was a rebar/splitter taken or exposed wall? If so, please indicate depth in inches.	
Y	20	N/A	UNSN	50-Is there any indication of rebar corrosion (swelling bars, rust, exposed metal inside epoxy coating)? If so, please indicate the total number of bars that are rusted.	

MISE IMPACT/COLLISION PROTECTION

Required Item:		Short	CRS	Probe	Measurement/Extent of Problem/Locality/Photo Numbers
Y	21	N/A	UNSN	51-Is a guardrail/wall protrusions in place at the base of the wall (to protect it from potential traffic hazards)?	
Y	22	N/A	UNSN	52-Does it appear that the wall has been involved in an accident (replaced panel, recent damage in the wall)?	
Y	23	N/A	UNSN	53-Does it appear the walls functionally and integrity has been compromised by a collision or accident?	

MISE OBSTRUCTIONS IN REINFORCEMENT GEOMETRY

Required Item:		Short	CRS	Probe	Measurement/Extent of Problem/Locality/Photo Numbers
Y	24	N/A	UNSN	54-Are there acute wall angles (<90)?	

MISE AS BUILT DIFFERENT FROM DESIGN

Required Item:		Short	CRS	Probe	Measurement/Extent of Problem/Locality/Photo Numbers
Y	25	N/A	UNSN	55-As built different than design.	
Y	26	N/A	UNSN	56-Are there available drawings for the wall? Please indicate type (Standard and Layout, Design, As Built, etc.)	
Y	27	N/A	UNSN	56-Is the layout in general accordance with drawing?	
Y	28	N/A	UNSN	57-Is the panel C/P (Cut in face)? Does there appear to be excessive cracking in the panel?	
Y	29	N/A	UNSN	58-Was GEP Form used in the construction of the wall?	
Y	30	N/A	UNSN	59-Are there any structures on or near wall that were not included in initial drawing?	
Y	31	N/A	UNSN	60-Are there any irrigation, utilities, or foundations that are not part of the initial drawing?	
Y	32	N/A	UNSN	61-Have there been any excavations or evidence of excavations near the wall?	
Y	33	N/A	UNSN	62-Has the wall property owner changed the dynamics of the wall (additional structures, irrigation, vegetation, etc.)?	
Y	34	N/A	UNSN	63-Are there piles located in the wall (bridge abutment)?	