

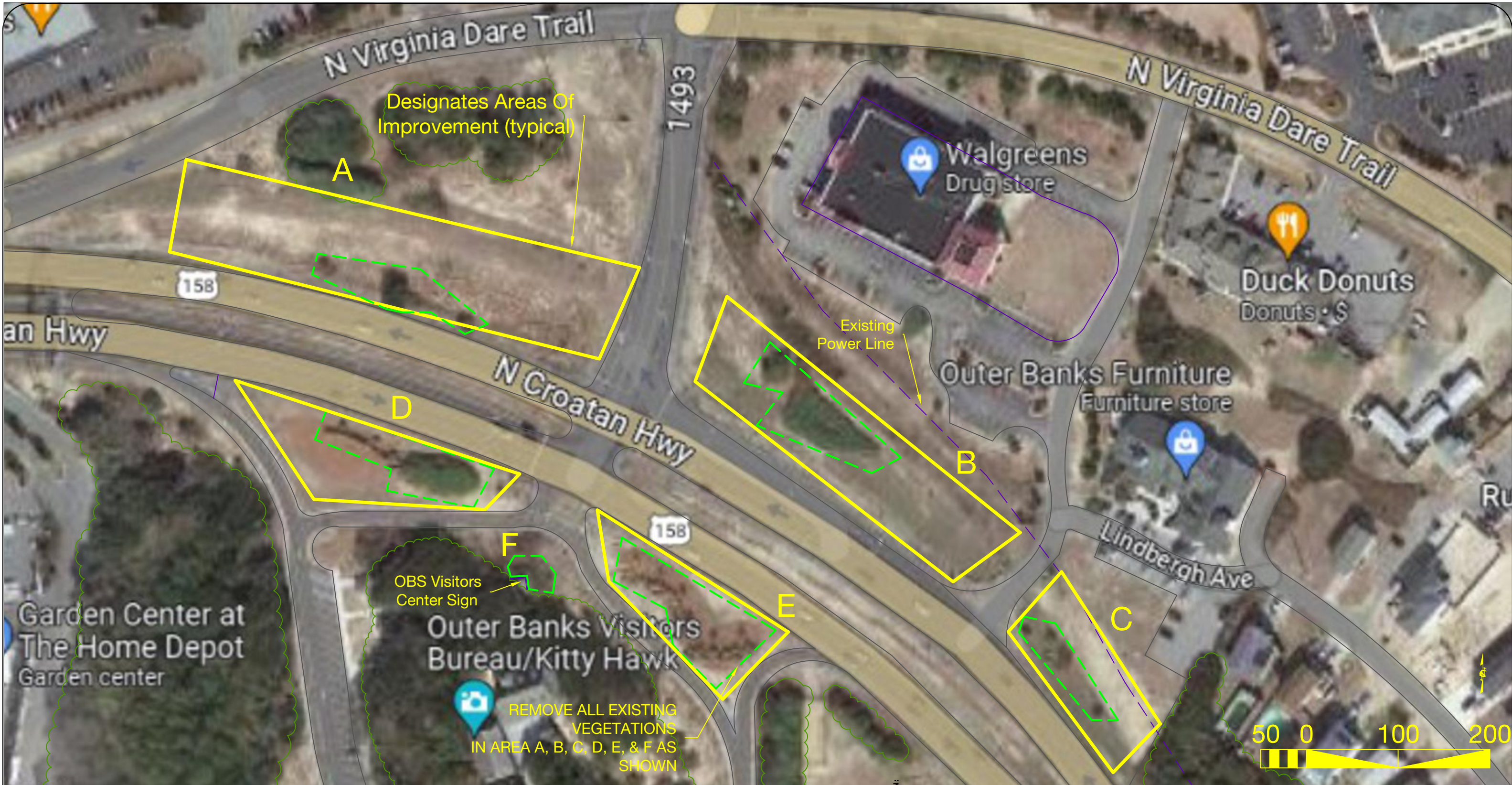
SHEET INDEX

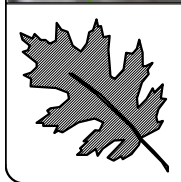
COVER SHEET	1
LIMIT - AREAS OF WORK	2
TREE - VEGETATION REMOVAL	3
SITE PLAN - WAVEWALL LAYOUT	4
WAVEWALL METAL POST LAYOUT	5
GLASS PLUS - Metal Post Front View	6
CMU - METAL POST PARTIAL LAYOUT	7
GLASS PLUS GARDEN WALL LAYOUT	8
CONCRETE FOOTING DETAIL PLAN	9
LANDSCAPE PLAN	10
PLANTING DETAIL	11



Site Vicinity Map



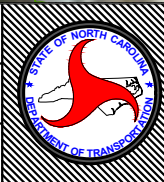


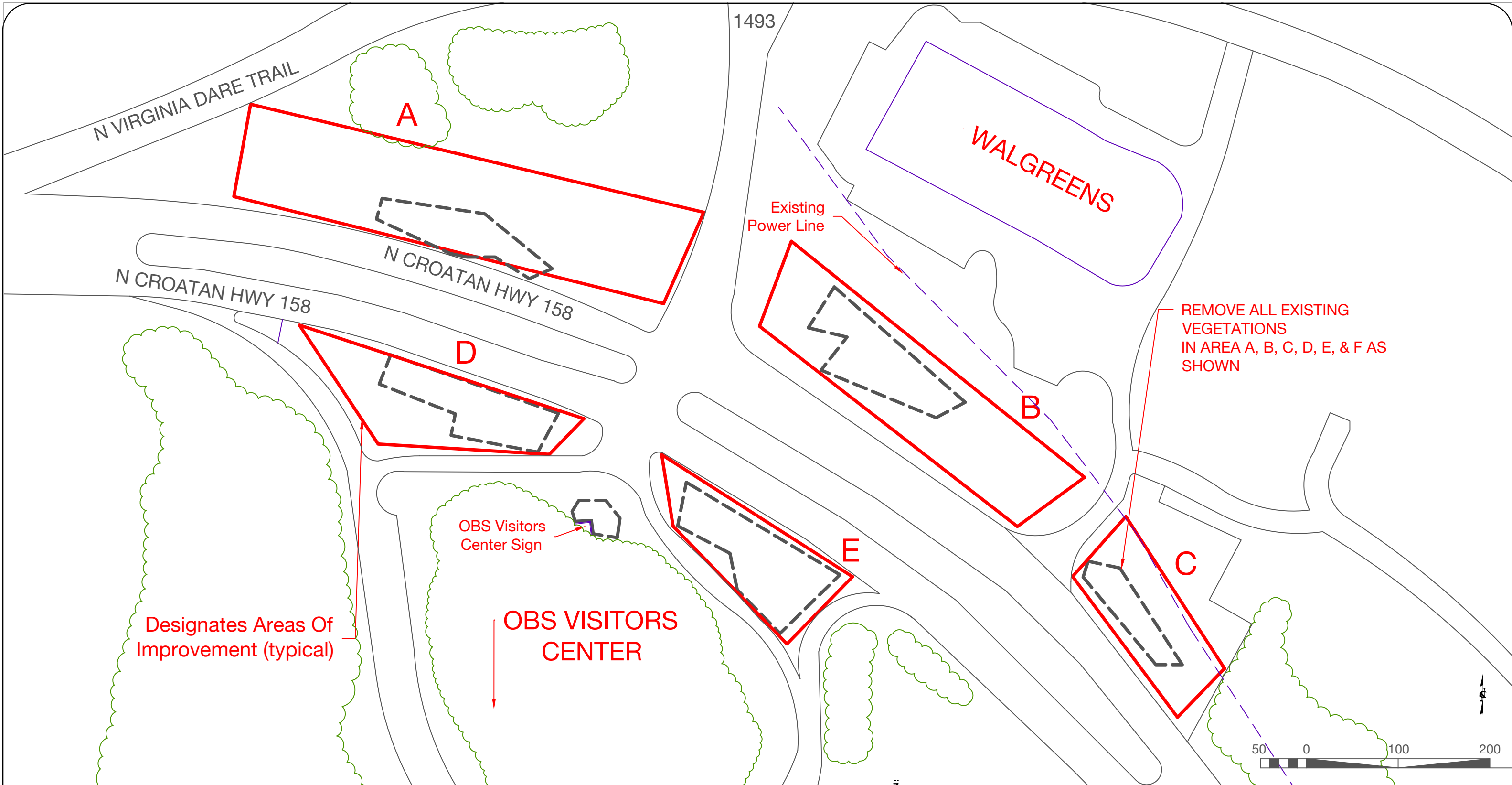
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AESTHETIC ENGINEERING SECTION
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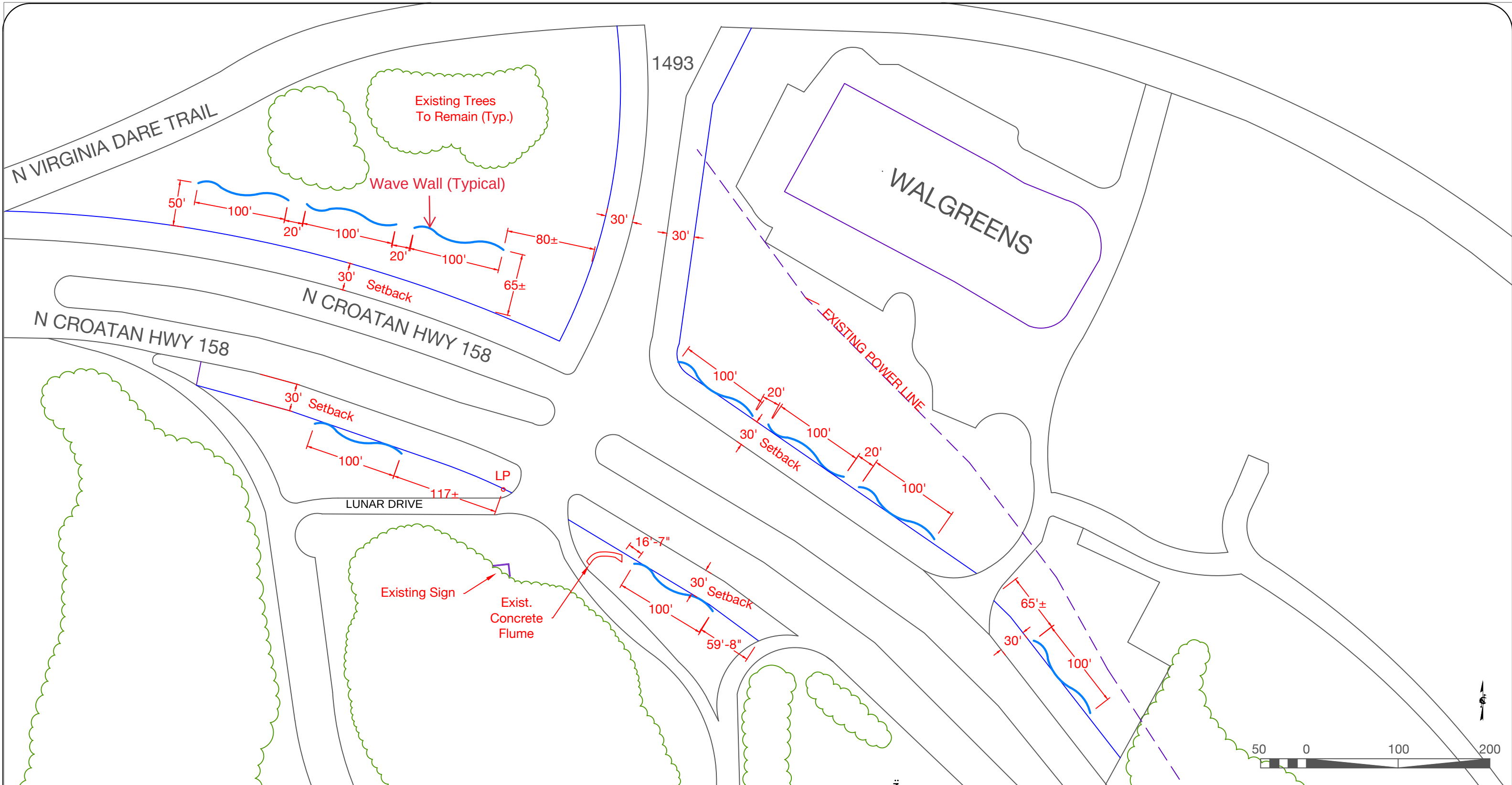
Kitty Hawk Highway 158 Gateway Project
Dare County
TIP #: — — — — —

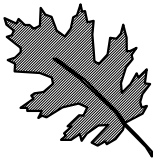
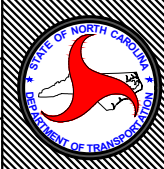
SHEET DESCRIPTION:	PREL. DESIGN DATE : — — — — —	Limit -Areas Of Work
	FINAL DESIGN DATE : — — — — —	Tree Removal
	PROJECT DESIGNER:	Azad Atashi

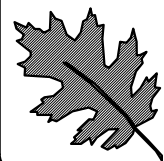
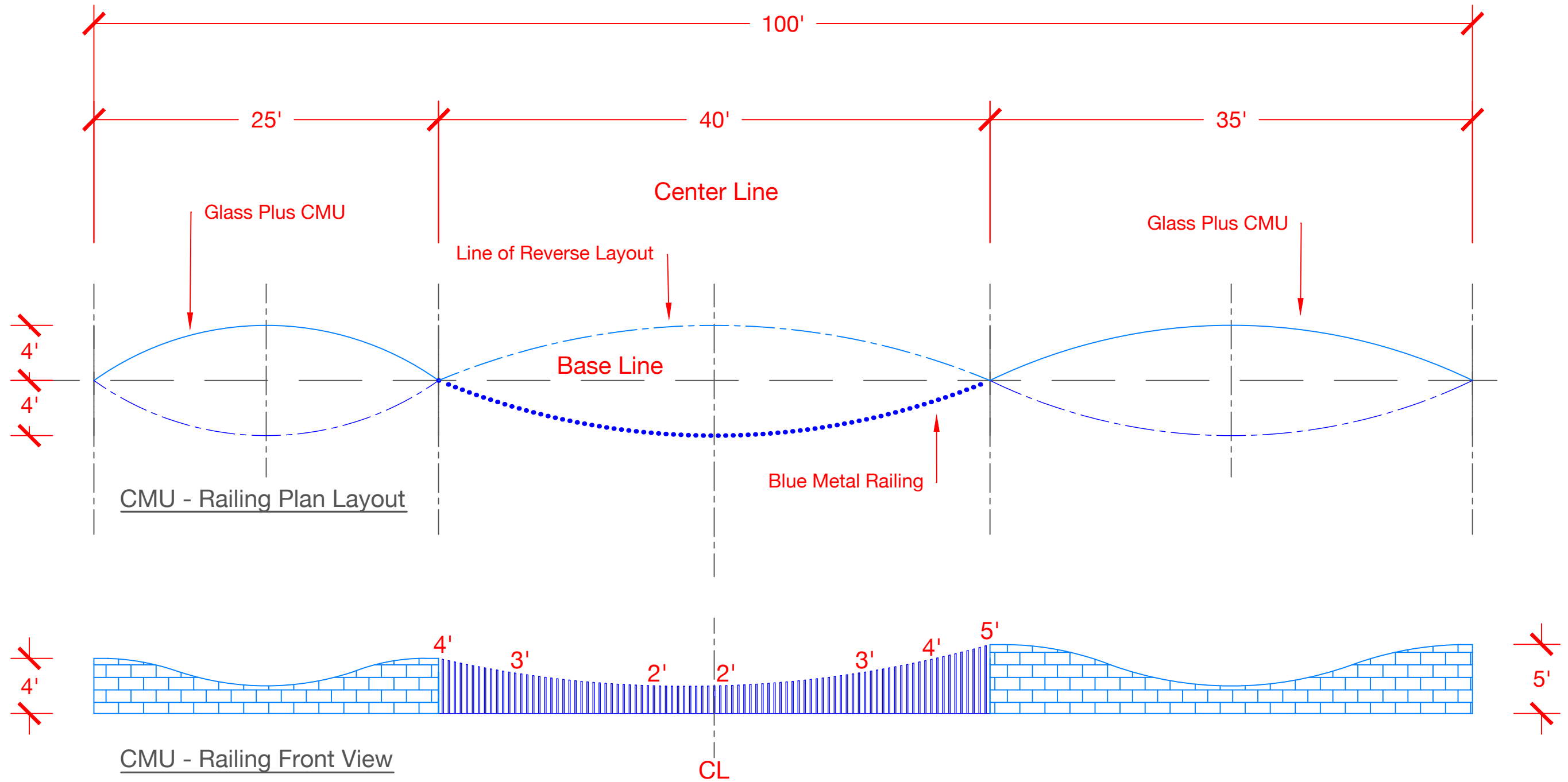
Limit -Areas Of Work
Tree Removal

	T.I.P. # ER-5600
	WBS # — — — — —
	FED I.D. # — — — — —
	SHEET NO : 2 TOTAL SHEET NO : 11





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					FINAL DESIGN DATE : — — — — —		Layout			WBS # — — — — —	
					PROJECT DESIGNER:		Azad Atashi			FED I.D. # — — — — —	
										SHEET NO : TOTAL SHEET NO :	
								4 11			

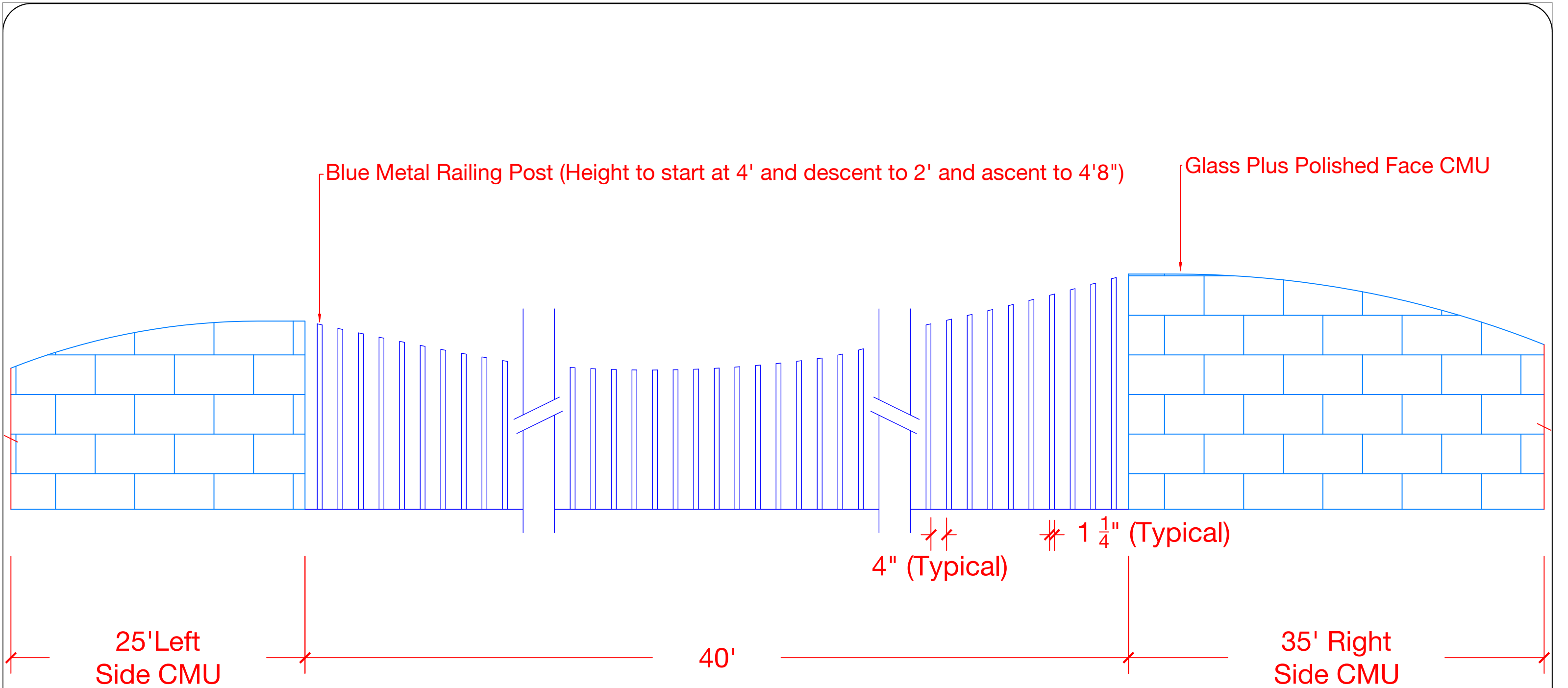


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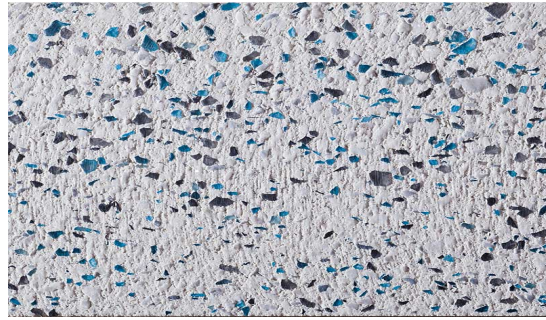
Kitty Hawk Highway Gateway 158 Project
 Dare County
 TIP #: — — — — —

SHEET DESCRIPTION:

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FINAL DESIGN DATE : _ _ _ _ _		Metal Post Detail		WBS # _ _ _ _ _	
PROJECT DESIGNER:		Layout (N.T.S)		FED I.D. # _ _ _ _ _	
Azad Atashi				SHEET NO : TOTAL SHEET NO :	
			5	11	



FRONT ELEVATION OF GLASS PLUS CMU WALL & BLUE METAL POST



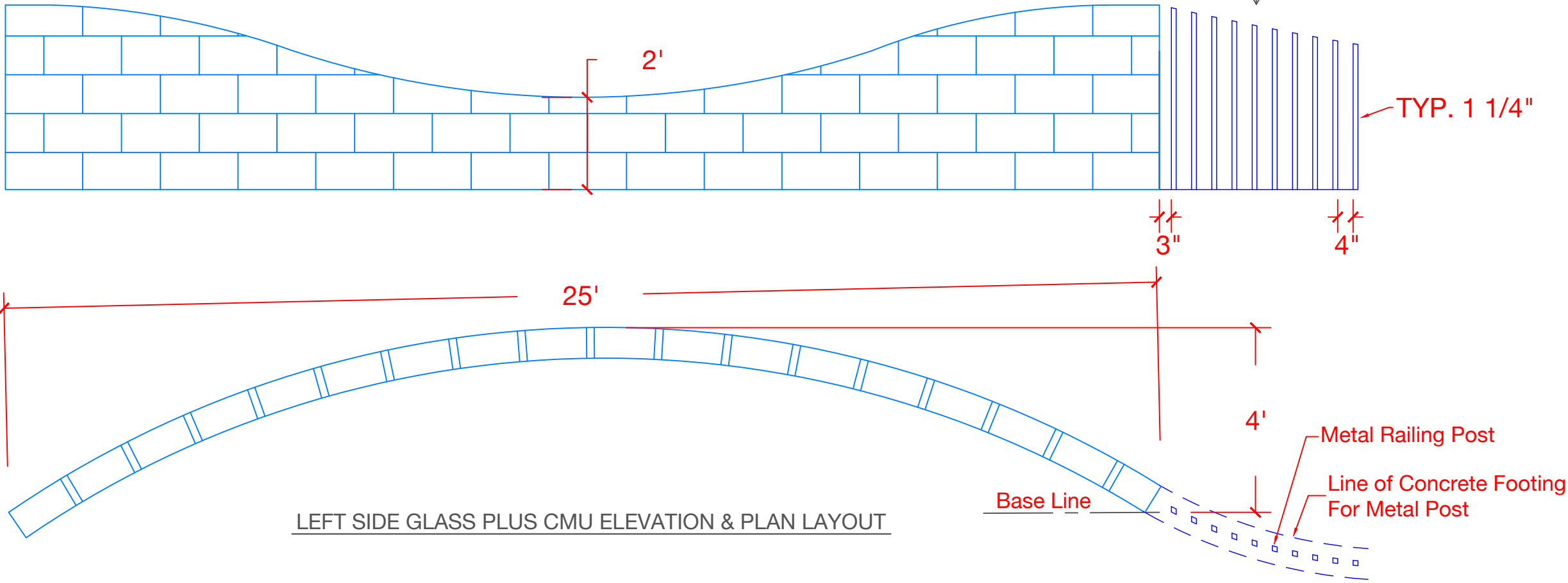
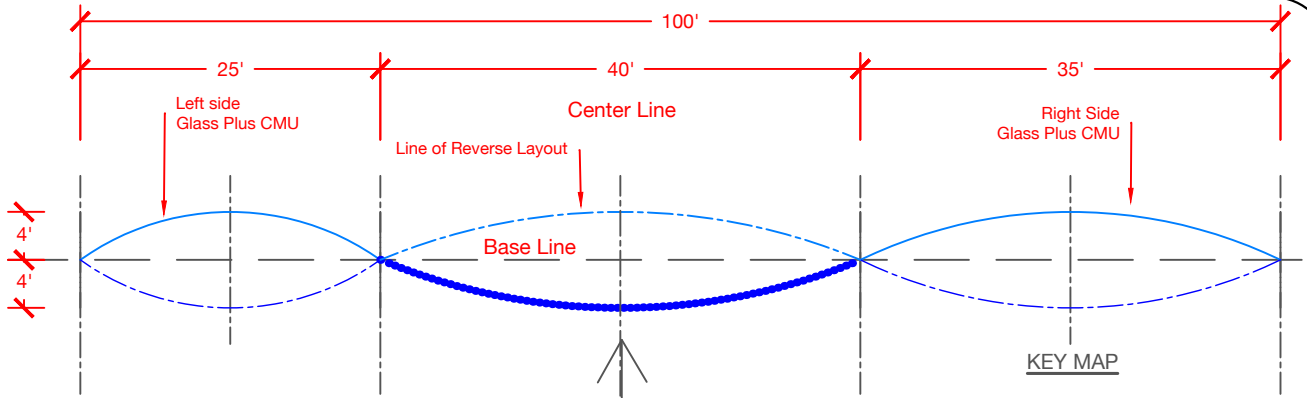
GLASS PLUS CMU



SPECTRA GLAZE CAP



BLUE METAL POST



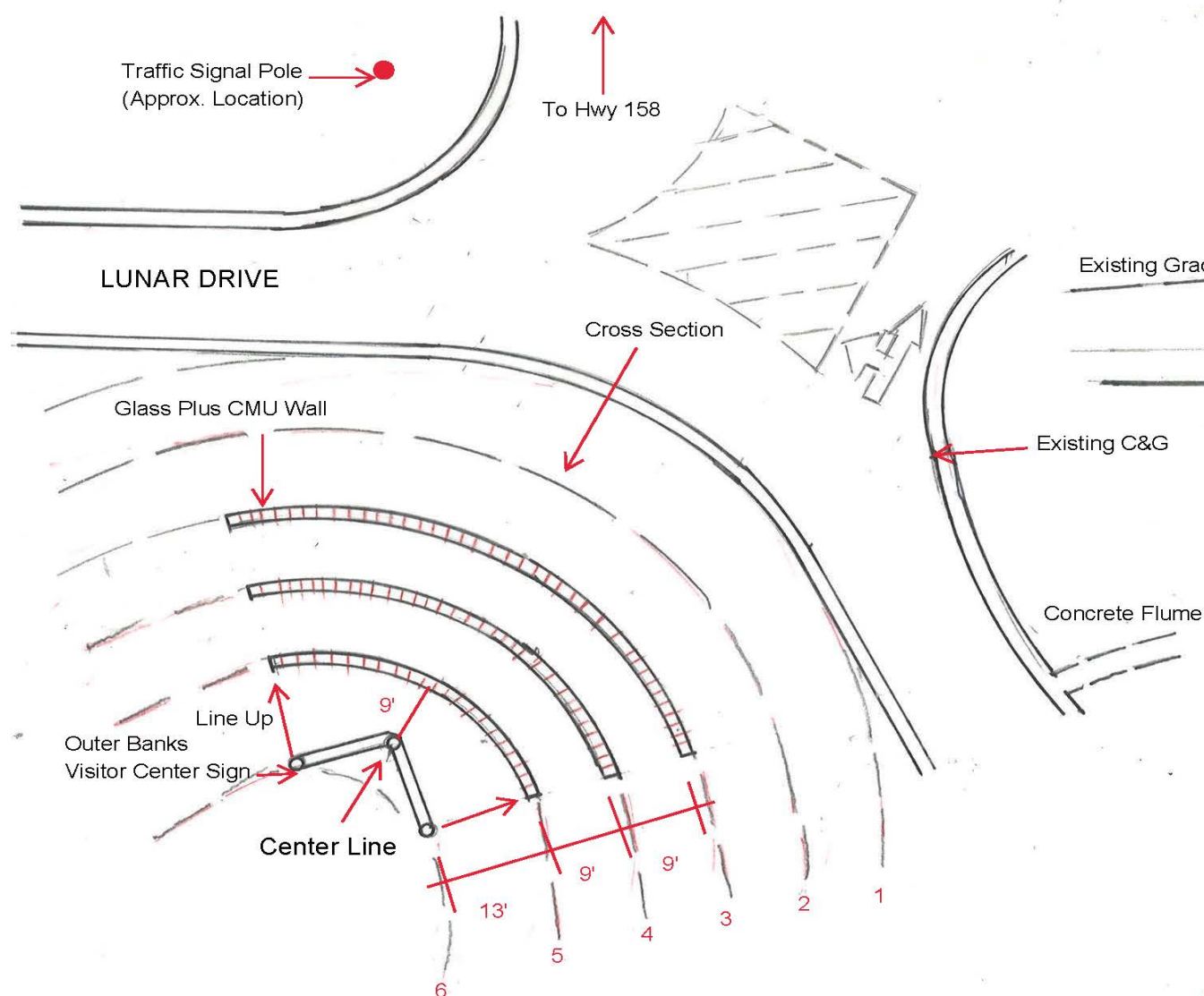
LEFT SIDE GLASS PLUS CMU ELEVATION & PLAN LAYOUT



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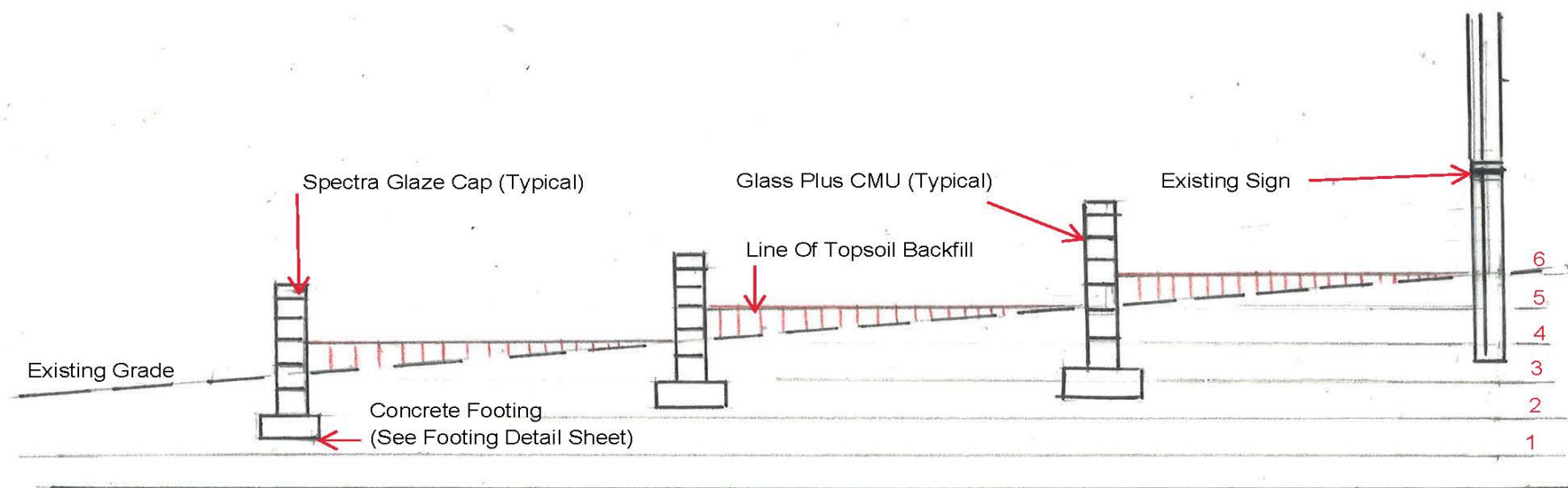
Kitty Hawk Highway 158 Gateway Project
Dare County
TIP #: — — — — —

SHEET DESCRIPTION:	PREL. DESIGN DATE : _ _ _ _ _		Glass Plus CMU & Blue		T.I.P. # ER-5600	
	FINAL DESIGN DATE : _ _ _ _ _		Metal Post Partial Plan		WBS # _ _ _ _ _	
	PROJECT DESIGNER:		Azad Atashi		FED I.D. # _ _ _ _	
			& Elevation View(N.T.S)		SHEET NO : 7 TOTAL SHEET NO : 11	



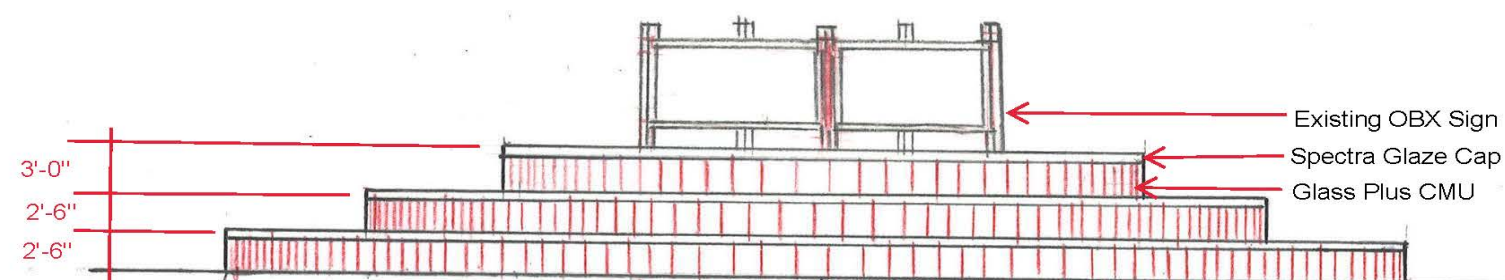
GARDEN WALL LAYOUT

SCALE 1'-0" = 20'-0"



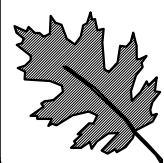
CROSS SECTION

SCALE 1/4"=1'-0"



GARDEN WALL FRONT VIEW

SCALE 1'-0" = 10'-0"



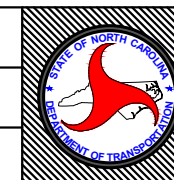
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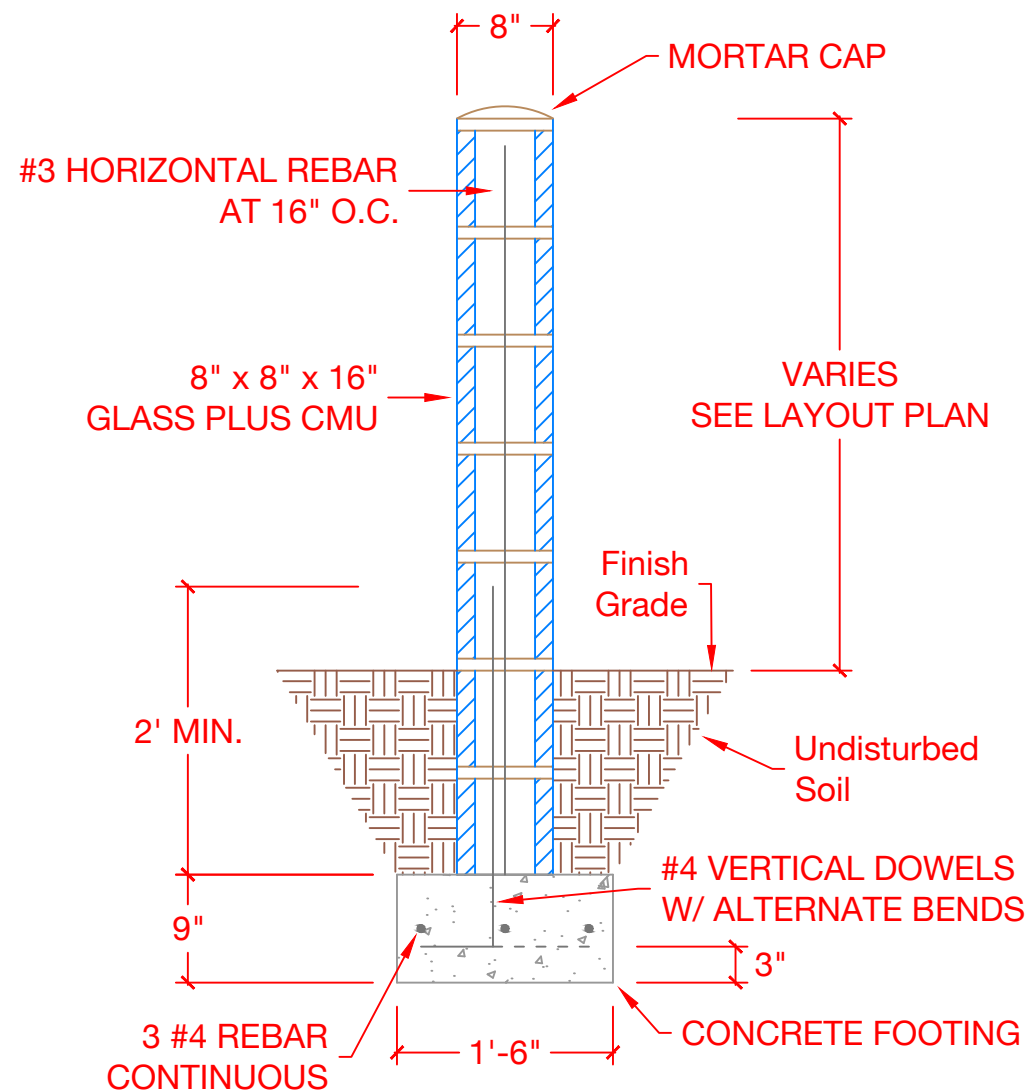
TIP #: — — — — —

SHEET DESCRIPTION

PREL. DESIGN DATE : — — — — —	Glass Plus CMU Garden Wall Layout Plan
FINAL DESIGN DATE : — — — — —	
PROJECT DESIGNER:	Azad Atashi

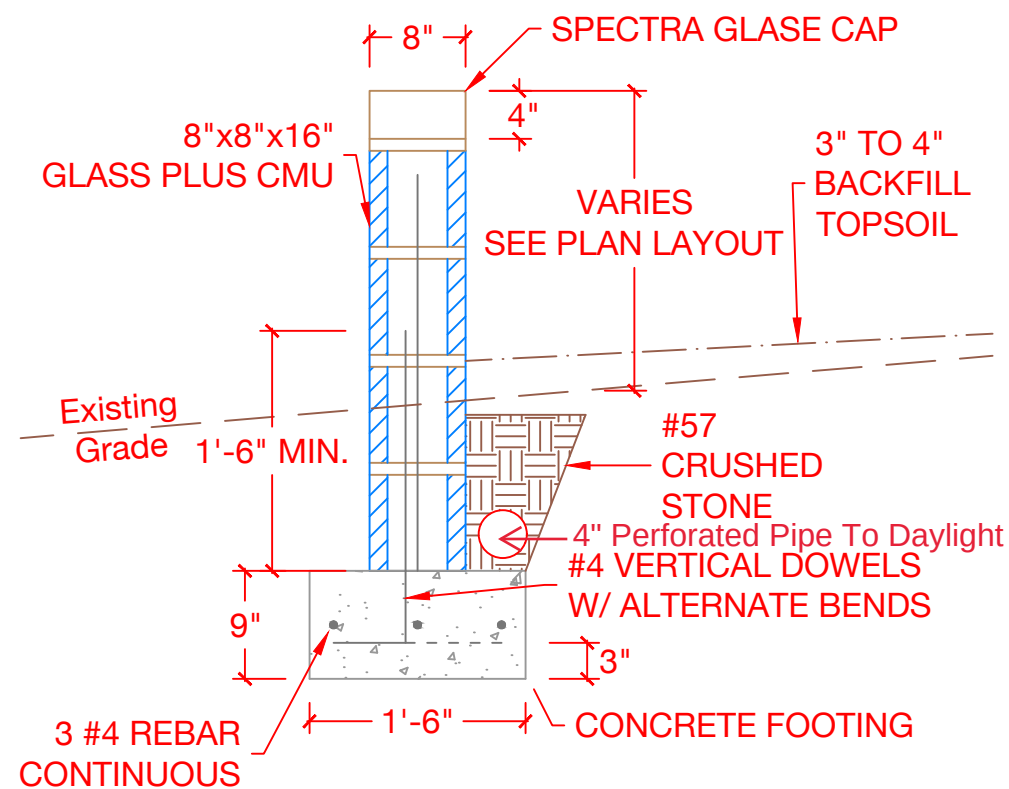


T.I.P. # ER-5600	
WBS # — — — — —	
FED I.D. # — — — — —	
SHEET NO :	TOTAL SHEET NO :
8	11



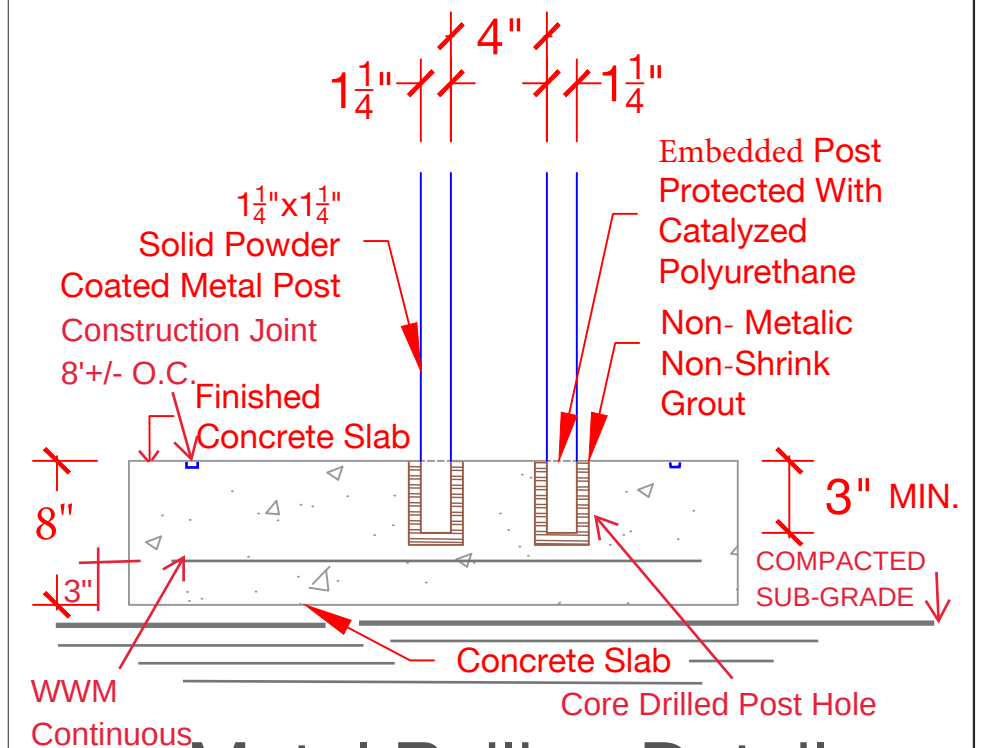
Concrete Footing Detail

NOTE: For all CMU Below Grade Use Regular 8" x 8" x 16" Concrete Masonry Units.

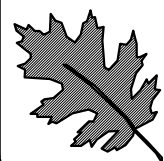


Garden Wall Footing Detail

NOTE: 4" Perforated Pipe Shall Be Covered With Geo-textile Fabric.



Metal Railing Detail

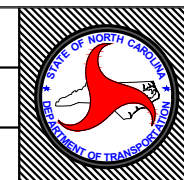


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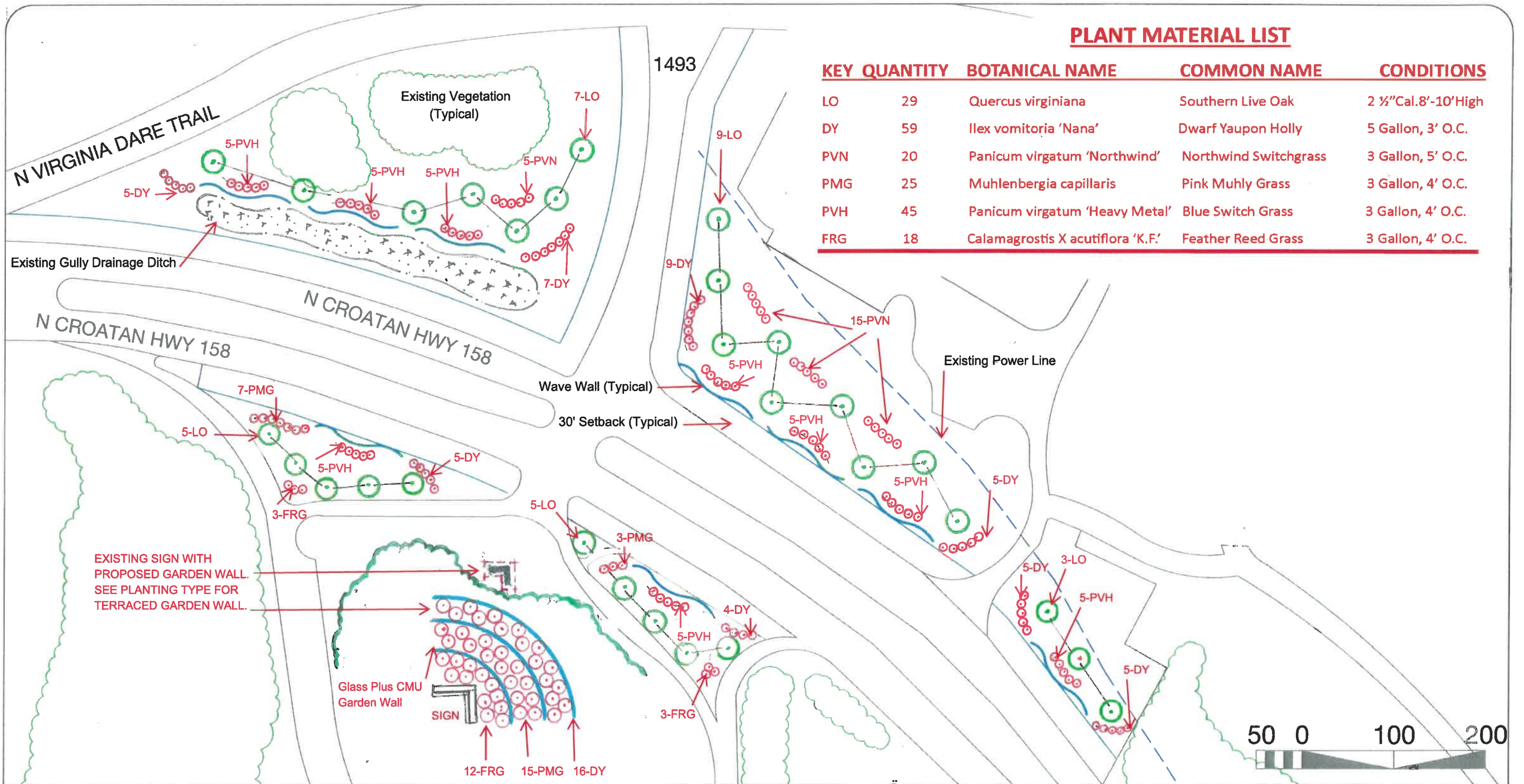
Kitty Hawk Highway 158 Gateway Project
Dare County
TIP #: — — — — —

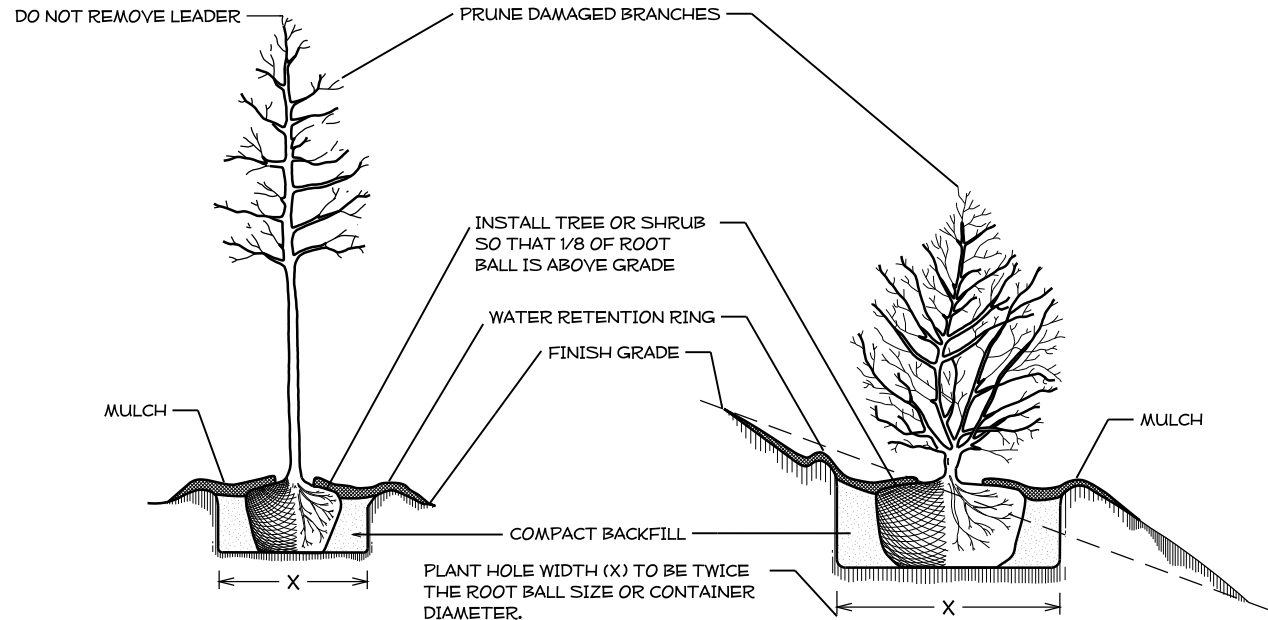
SHEET DESCRIPTION:

PREL. DESIGN DATE : — — — — —	Concrete Footing
FINAL DESIGN DATE : — — — — —	Detail (N.T.S)
PROJECT DESIGNER:	Azad Atashi



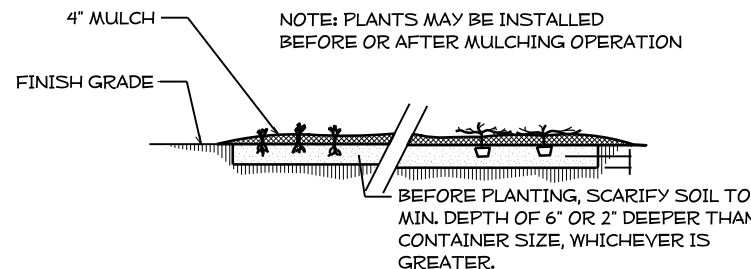
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WBS # — — — — —	
FED I.D. # — — — — —	
SHEET NO :	TOTAL SHEET NO :
9	11



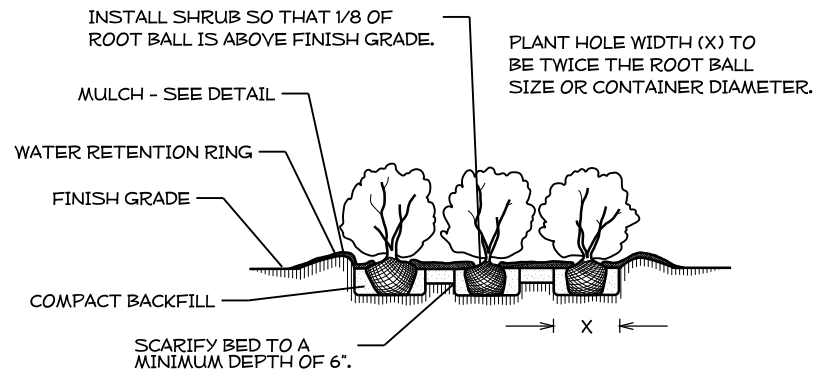


TREE OR SHRUB PLANTING DETAIL
(LEVEL GROUND)

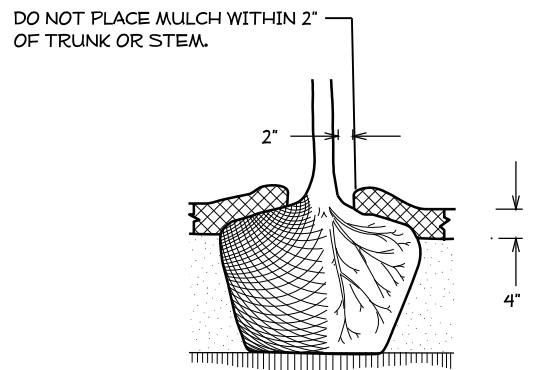
TREE OR SHRUB PLANTING DETAIL
(SLOPING GROUND)



GROUND COVER/ BEDDING
PLANT DETAIL

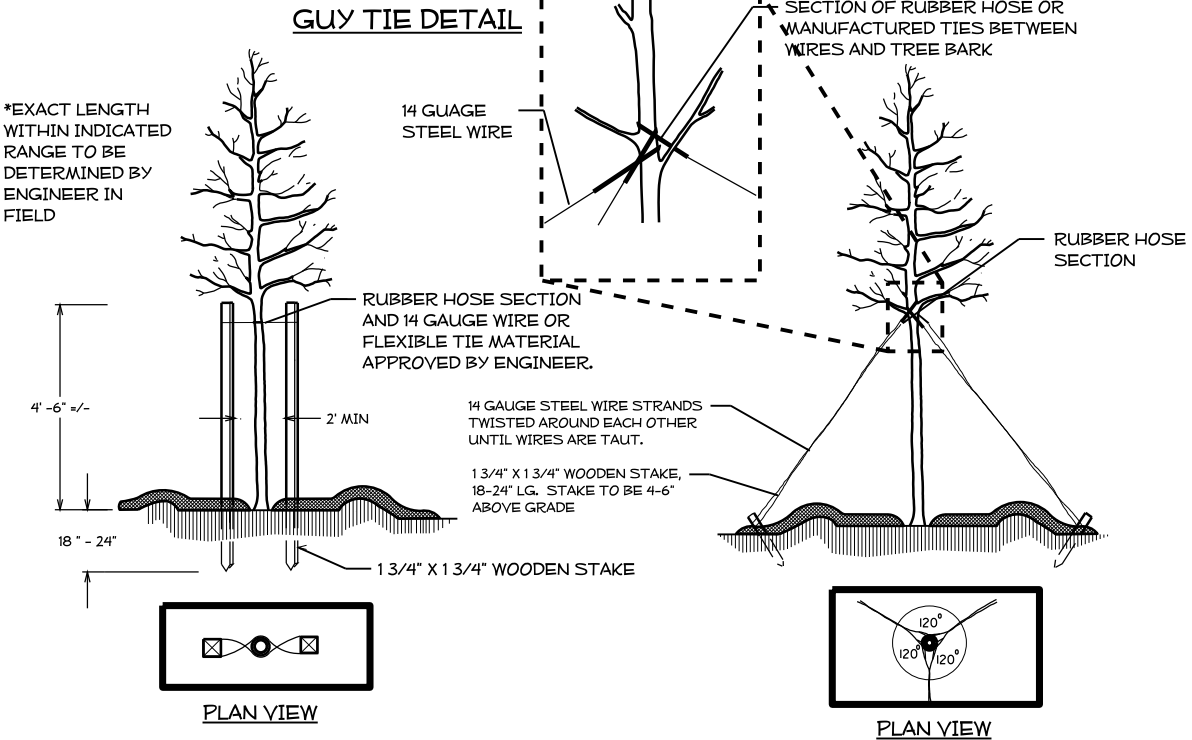


SHRUB BED PLANTING DETAIL



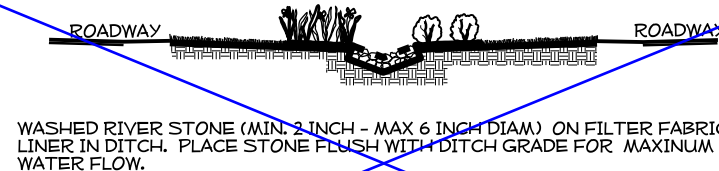
MULCH DETAIL

- NOTES:**
- SCHEDULE FOR PLANT HOLE SIZE: PLANT HOLE WIDTH (X) TO BE TWICE THE ROOT BALL SIZE OR CONTAINER DIAMETER.
 - SEE STANDARD SPECIFICATIONS FOR PLANT BED FUMIGATION AND HERBICIDAL TREATMENT.
 - APPLY FERTILIZER AT PLANTING TIME IN THE FORM OF A SLOW RELEASE PELLET OR TABLET. APPLY AT RATE RECOMMENDED BY MANUFACTURER. BOTH RATE AND FORMULATION MUST BE APPROVED BY FIELD ENGINEER PRIOR TO APPLICATION.
 - REMOVE WIRE BASKET AND FOLD BURLAP BACK FROM TOP OF ROOT BALL BEFORE BACKFILLING IS COMPLETE.
 - ALL PRUNING TO FOLLOW STANDARD ARBORICULTURAL PRACTICES AS SPECIFIED BY INTERNATIONAL SOCIETY OF ARBORICULTURE.
 - DO NOT ATTEMPT TO STRAIGHTEN A TREE THAT HAS BEEN PLANTED AT AN ANGLE WITH THE USE OF STAKING OR GUYING. DIG TREE AND REPLANT TO UPRIGHT POSITION.

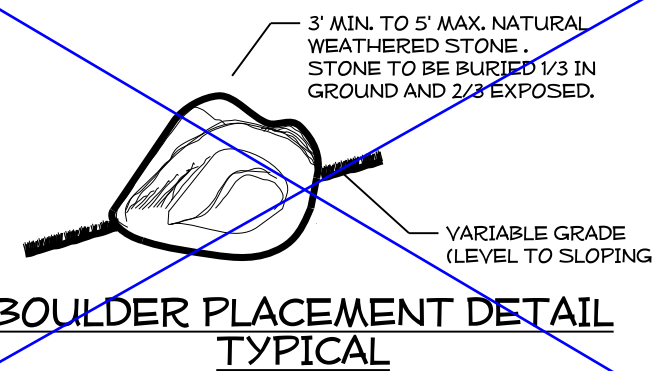


STAKING DETAIL
(TREES 6'-10')
USE AS DIRECTED BY FIELD ENGINEER

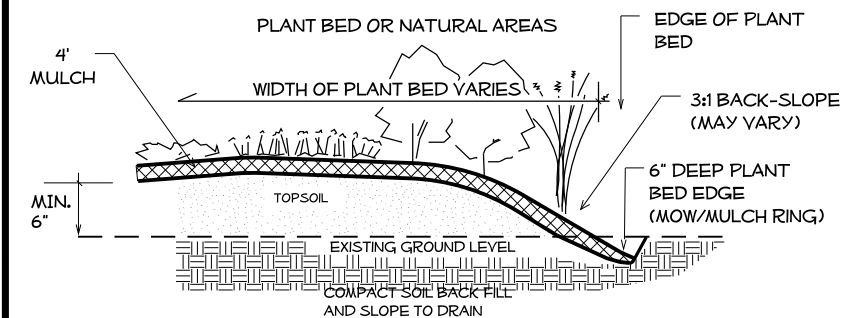
GUYING DETAIL
(TREES 10' OR LARGER)
USE AS DIRECTED BY FIELD ENGINEER



RIVERSTONE
DITCH LINING DETAIL



BOULDER PLACEMENT DETAIL
TYPICAL



PLANT BED EDGE DETAIL

*****SYSTEM*****
*****PCN*****
*****USERNAME*****



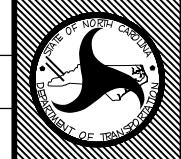
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HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/

Kitty Hawk Highway 158 Gateway Project
Dare County
CONTRACT #:

REV ENGINEER F
Azad
Atashi

SHEET DESCRIPTION:	PREL DESIGN DATE:
	CHECKED BY & DATE:
	FINAL DESIGN DATE:

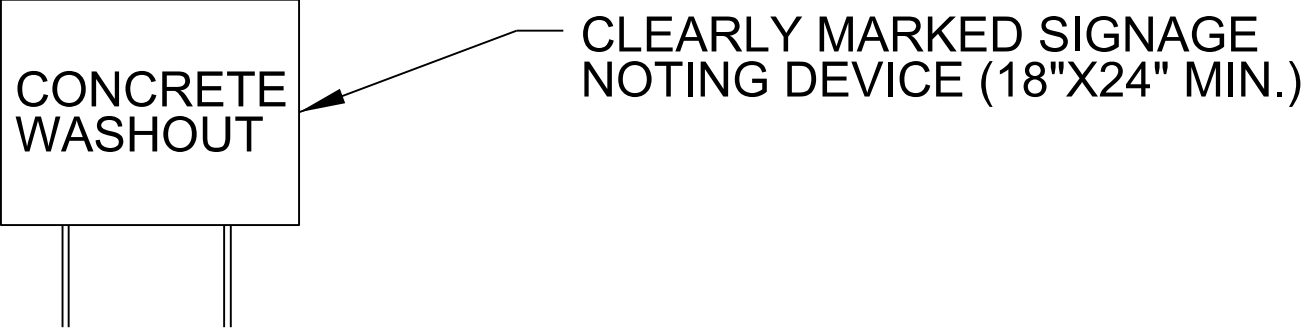
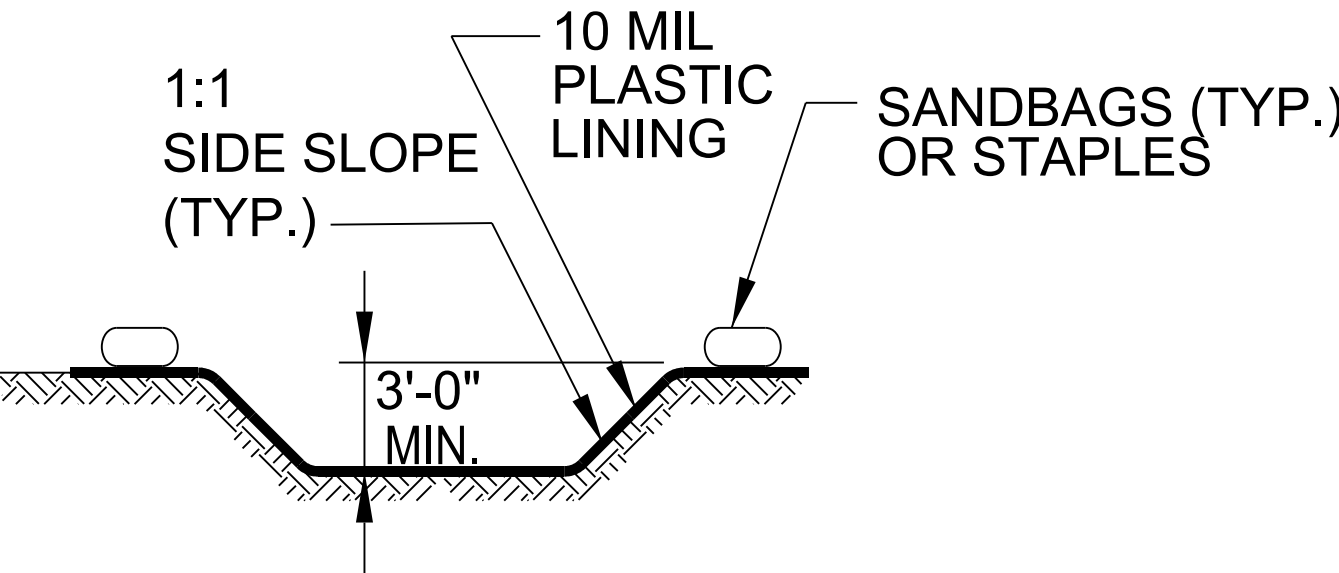
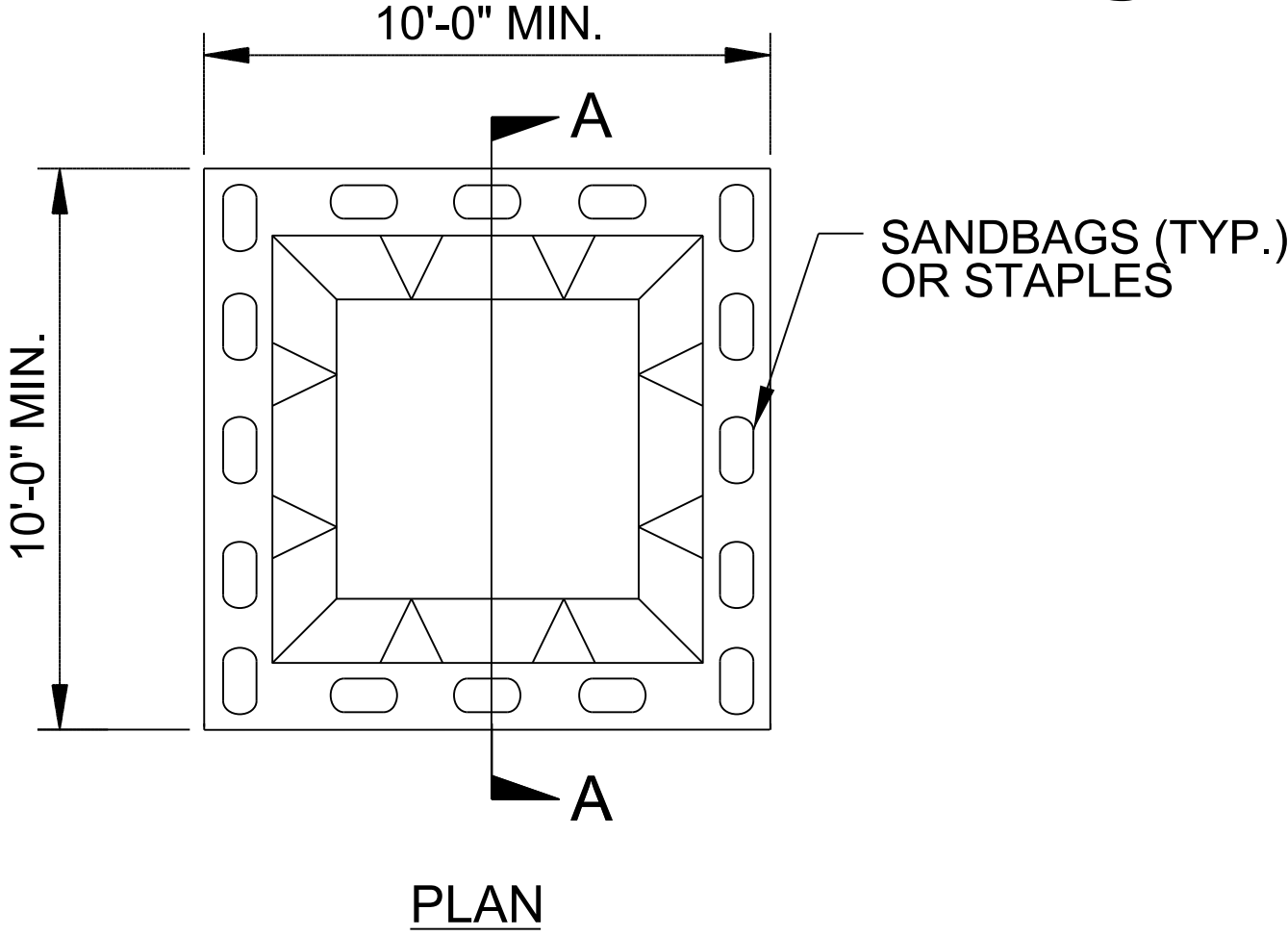
PLANTING DETAILS



T.I.P. # ER:5600
WBS #
FED I.D. #
SHEET NO: 11
TOTAL SHEET NO: 11

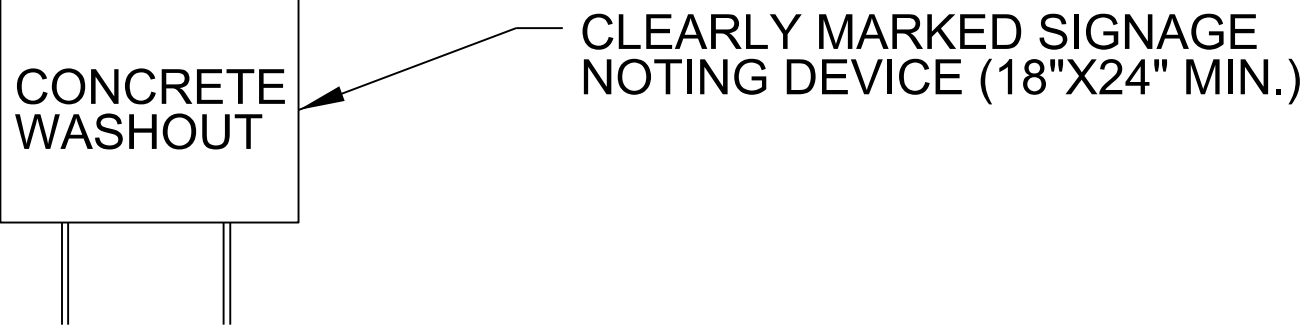
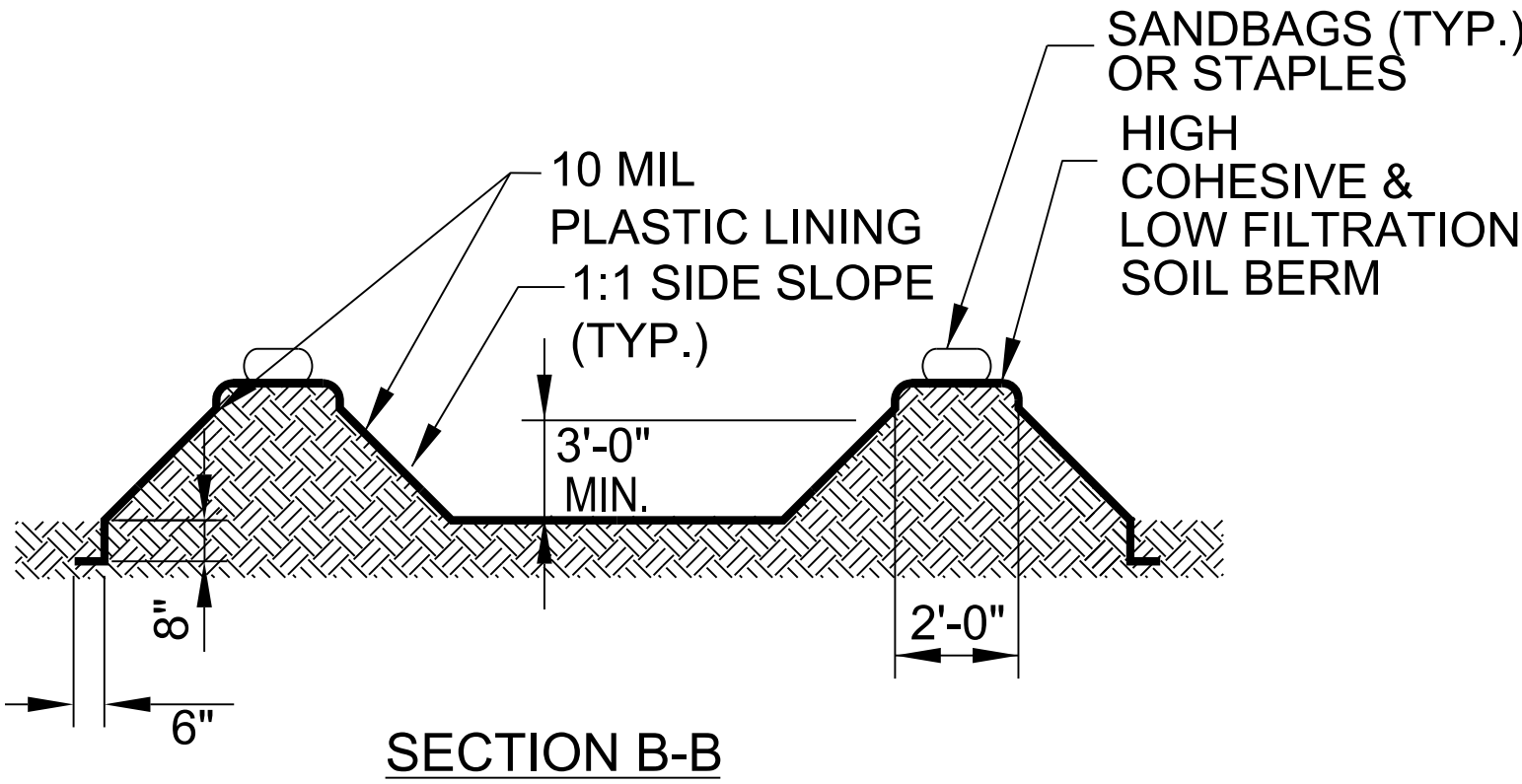
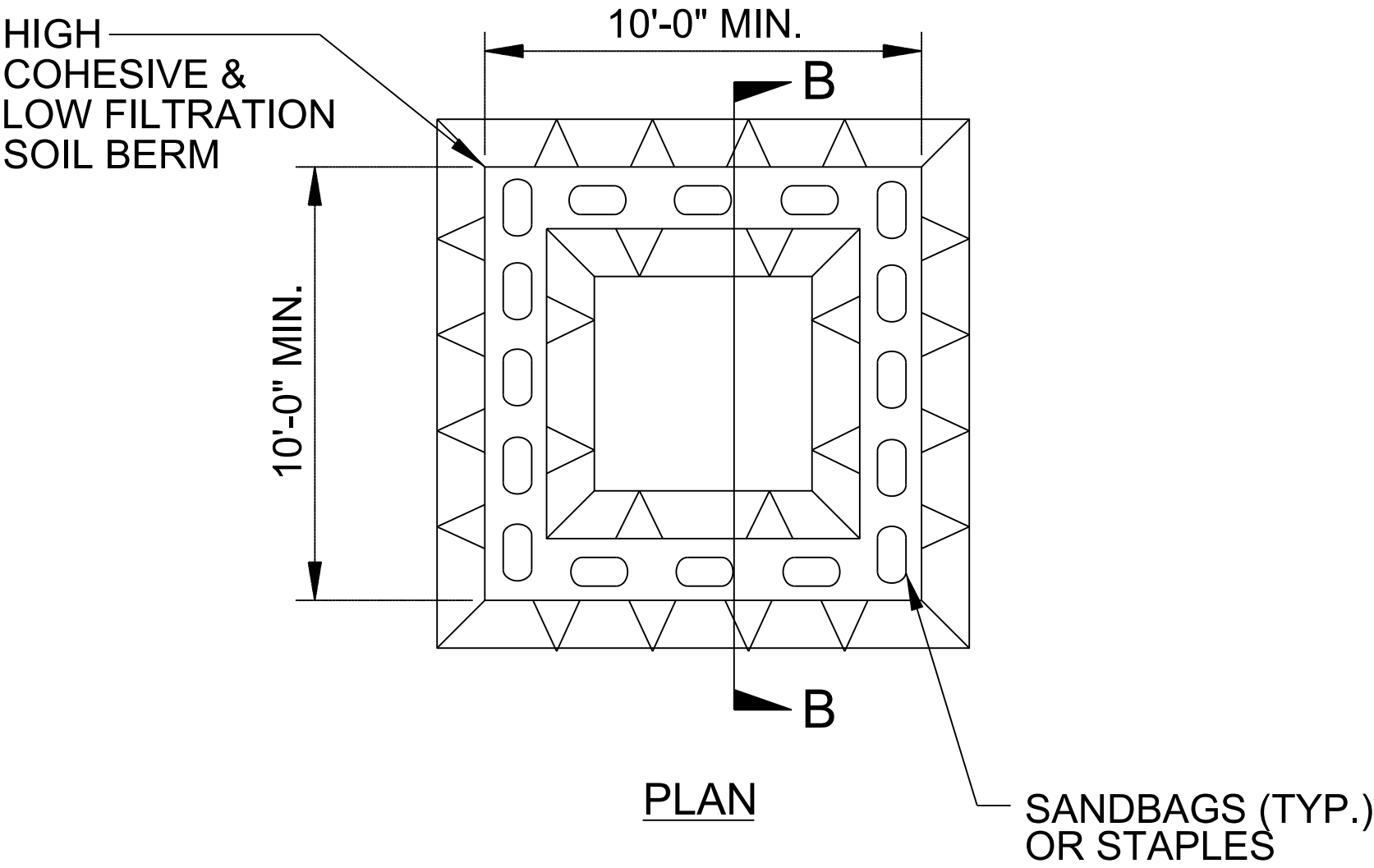
ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER

PROJECT REFERENCE NO.		SHEET NO.
X-XXXX		EC-XX
RW SHEET NO.		
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER



BELOW GRADE WASHOUT STRUCTURE
NOT TO SCALE

- NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD
 2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
 3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.



ABOVE GRADE WASHOUT STRUCTURE
NOT TO SCALE

- NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD
 2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
 3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.