

EMBANKMENT STABILIZATION DESIGN

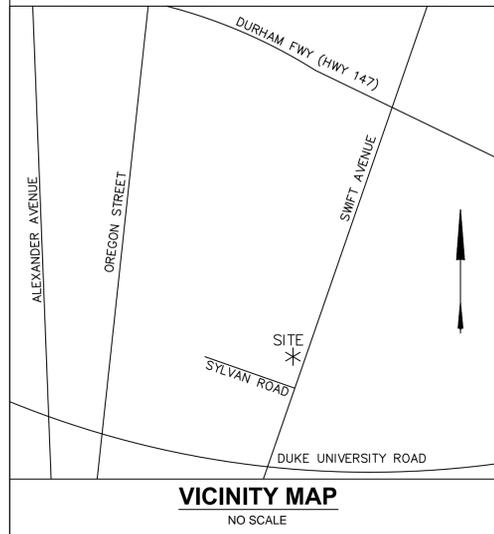
FOR

616 SWIFT AVENUE

BY

SUMMIT DESIGN &

ENGINEERING SERVICES



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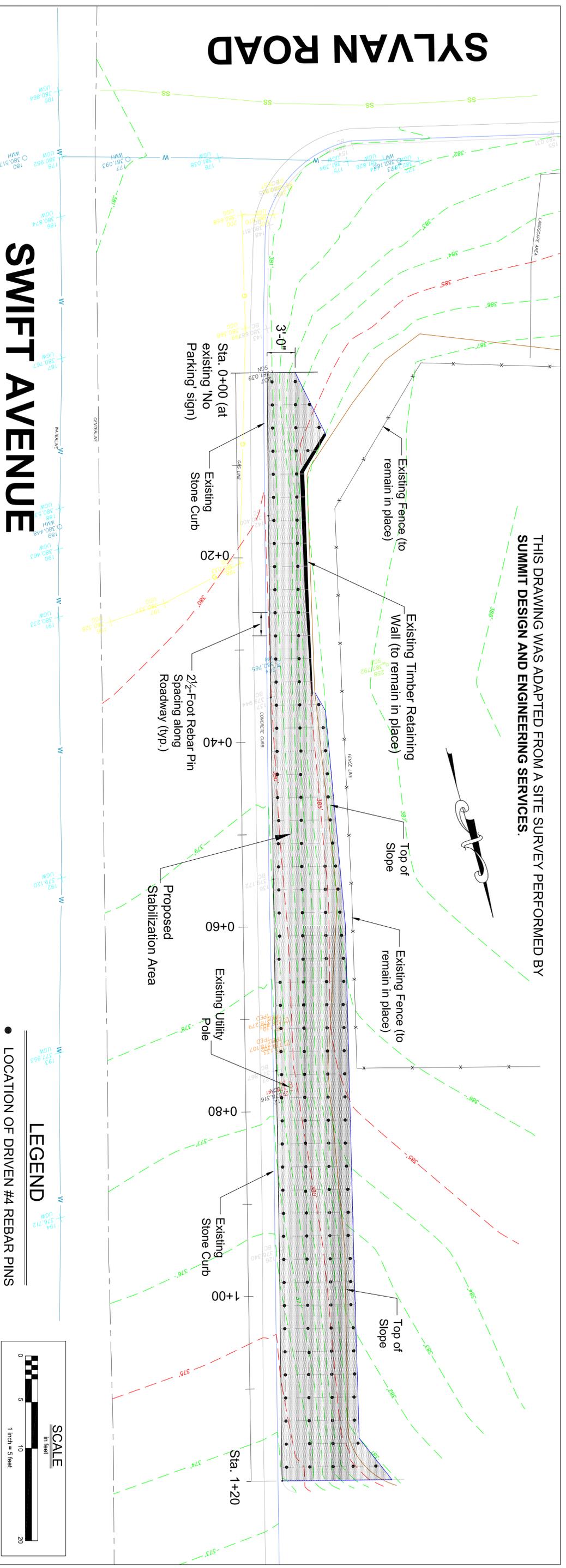


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NO.	REVISIONS	DATE	COVER SHEET	
			616 SWIFT AVENUE DURHAM, N.C.	
Project No.: 19-0014.040			Designer: <u>HDP</u> Date <u>Feb. 7, 2019</u>	Sheet No.
			Drawn by: <u>HDP</u> Date <u>Feb. 7, 2019</u>	W-1

THIS DRAWING WAS ADAPTED FROM A SITE SURVEY PERFORMED BY
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SWIFT AVENUE

SYLVAN ROAD

STABILIZATION MATERIALS QUANTITIES*	
MATERIAL TYPES	Quantity
1. PERMANENT EROSION CONTROL MAT, SQ. YDS.	135
2. #4 REBAR PINS, UNITS	165

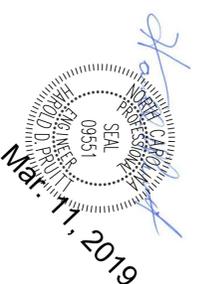
VEGETATION QUANTITIES*		
VEGETATION TYPES	Quantity	Spacing
1. CREEPING JUNIPER (JUNIPERUS HORIZONTALIS)	50	72"
2. ST. JOHN'S WORT (HYPERICUM PERFORATUM)	650	18"

* NOTE: THE MATERIAL AND VEGETATION QUANTITIES ARE BASED ON DESIGN QUANTITIES & DO NOT ACCOUNT FOR WASTE DURING CONSTRUCTION OR CONSTRUCTION TECHNIQUES THAT RESULT IN DIFFERENCES BETWEEN THE CONSTRUCTOR QUANTITIES AND THE DESIGNED QUANTITIES. THE CONTRACTOR SHOULD VERIFY THE QUANTITIES WITH REGARDS TO THE ACTUAL SITE CONDITIONS, AND THEIR CONSTRUCTION TECHNIQUES, PRIOR TO PREPARING A COST ESTIMATE OR BID.

1. THE DISTANCE FROM THE TOP OF THE EMBANKMENT TO THE UPPER ROW OF PLANTS SHALL BE ONE-HALF OF THE LISTED SPACING FOR THE PLANT.
2. THE DISTANCE OF THE LOWER ROW OF PLANTS BEHIND THE STONE CURB SHALL BE EQUAL TO THE LISTED SPACING FOR THE PLANT.
3. AT EACH PLANT LOCATION, CUT THE EROSION CONTROL FABRIC WITH AN 'X' PATTERN CENTERED ON THE CENTER OF THE PLANT.
4. PROVIDE CYLINDRICAL SHAPE PLANT HOLE EXCAVATIONS, WITHIN 6 INCHES OF THE DESIGNED LOCATION, TO A DEPTH OF AT LEAST 3 INCHES BEYOND THE BOTTOM OF THE ROOTS FOR THE PLANT.
5. THE DIAMETER OF THE CYLINDRICAL EXCAVATION FOR EACH PLANT SHALL BE SUFFICIENT TO PREVENT CROWDING OF THE ROOT SYSTEM FOR THE PLANT AND TO ALLOW THE PROPER PLACEMENT OF THE BACKFILL MATERIAL.
6. THE BACKFILL MATERIAL SHALL CONSIST OF A MIXTURE OF 20% ORGANIC MATERIAL (i.e. PEAT, ETC.) AND 80% CLAYSILT.
7. A 10-10-10 FERTILIZER SHALL BE BLENDED WITH THE BACKFILL MATERIAL AT A RATE RECOMMENDED BY THE NURSERY.
8. THE BACKFILL SOIL SHALL BE MOISTENED WITH WATER AFTER ONE-HALF TO TWO THIRDS OF THE BACKFILLING AND TAMPING HAS BEEN COMPLETED.
9. AFTER THE PLANT EXCAVATION HAD BEEN COMPLETELY BACKFILLED, THE PLANT SHALL BE THOROUGHLY WATERED.
10. ONCE THE BACKFILLING HAS BEEN COMPLETED, THE EROSION CONTROL FABRIC SHALL BE LAID BACK OVER THE SOIL.



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SITE PLAN	
EMBANKMENT STABILIZATION	
616 SWIFT AVENUE	
DURHAM, N.C.	
Designer: HDP	Date: Feb. 7, 2019
Drawn by: HDP	Date: Feb. 7, 2019
Sheet No. W-2	

