

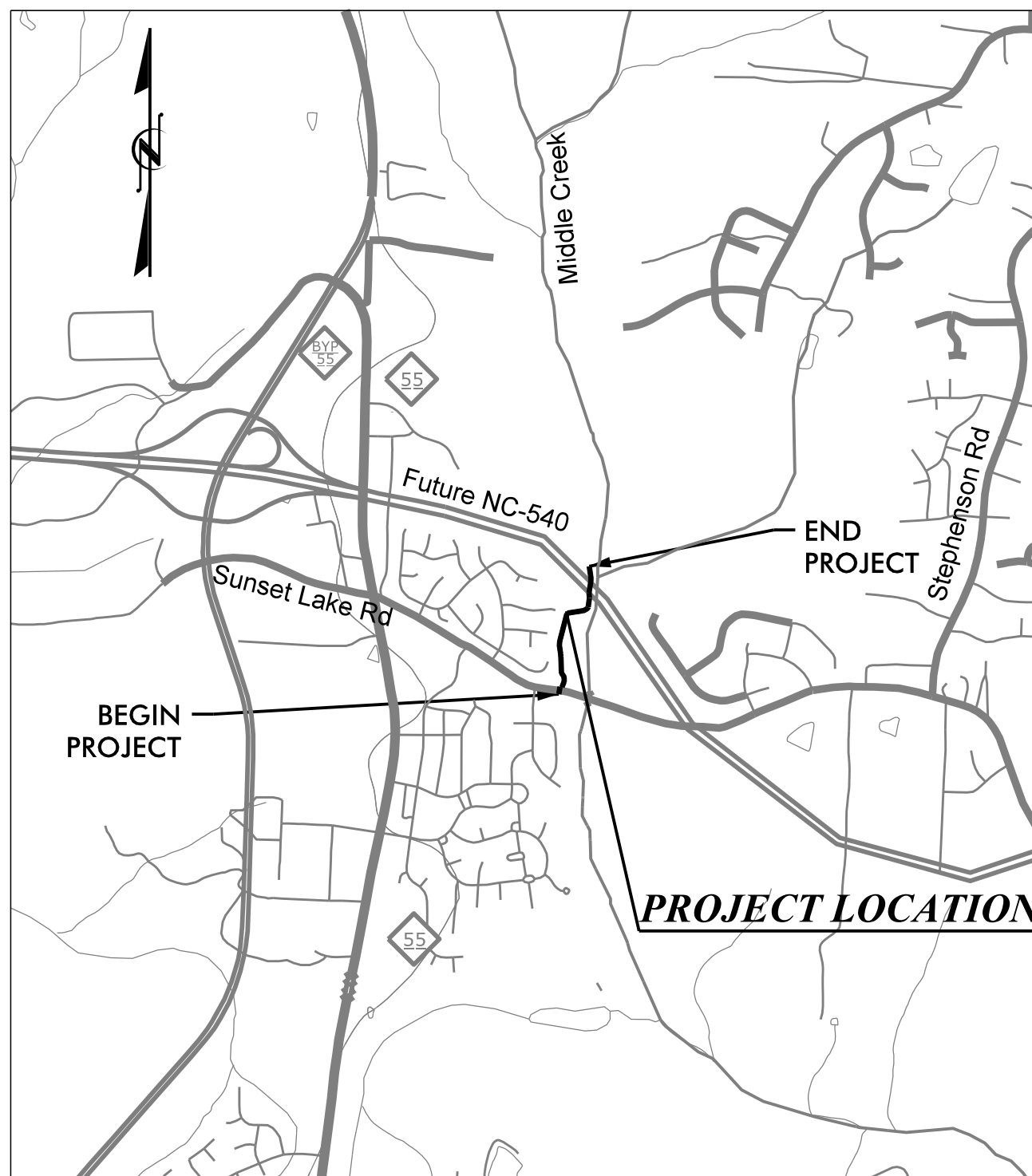
# TOWN OF APEX MIDDLE CREEK GREENWAY

MINOR SITE PLAN FIRST SUBMITTAL: 1/4/21

MINOR SITE PLAN SECOND SUBMITTAL: 2/4/21

CONSTRUCTION PLAN FIRST SUBMITTAL: 2/12/21

CONSTRUCTION PLAN SECOND SUBMITTAL: 2/27/21



**VICINITY MAP**

**PROJECT DATA**

**PARCEL ADDRESSES:** SUNSET LAKE ROAD NORTH TO REUNION POINTE  
0750129771, 0750139122, 0750230303, 0750221956,  
0750244184

**PREPARER:** ALTA PLANNING + DESIGN  
111 EAST CHAPEL HILL STREET  
DURHAM, NC 27701  
MICHAEL S. REPSCH  
860-819-6034  
MREPSCH@ALTAGO.COM

**OWNER:** TOWN OF APEX  
73 HUNTER STREET  
P.O. BOX 250  
APEX, NC 27502  
919-249-3400  
ANGELA.REINCKE@APEXNC.ORG

**CONTRACT PURCHASER:** TOWN OF APEX PARK  
AND RECREATION  
73 HUNTER STREET  
P.O. BOX 250  
APEX, NC 27502  
919-249-3400  
ANGELA.REINCKE@APEXNC.ORG

**ANNEXATION NUMBERS:** N/A  
**ZONING:** HD SF-CU  
**CURRENT 2045 LAND USE:** MEDIUM DENSITY RESIDENTIAL AND  
LOW DENSITY RESIDENTIAL

**PROPOSED 2045 LAND USE:** N/A  
**AREA OF TRACTS:** EASEMENT WITHIN 24.65 AC.  
**FRONT YARD SETBACK:** N/A  
**SIDE YARD SETBACK:** N/A  
**REAR YARD SETBACK:** N/A  
**WATERSHED PROTECTION OVERLAY:** SECONDARY  
**FEMA FLOODPLAIN:** SITE IS WITHIN FEMA  
FLOODPLAIN PER FIRM PANEL  
3720075000J WITH AN  
EFFECTIVE DATE OF MAY 2, 2006

**GRADING TYPE:** N/A  
**DRAINAGE PATTERNS RESERVED:** 100%

**EXISTING AND PROPOSED GROSS FLOOR AREA:** N/A  
**PROPOSED GROSS FLOOR AREA:** N/A  
**PROPOSED BUILDING HEIGHT/STORIES:** N/A  
**MINIMUM NUMBER OF PARKING SPACES REQUIRED:** N/A  
**MAXIMUM NUMBER OF PARKING SPACES PERMITTED:** N/A  
**NUMBER OF EXISTING/PROPOSED PARKING SPACES:** 0 - EXISTING, 3-PROPOSED  
**HANDICAP PARKING SPACES PROVIDED:** 1  
**PARKING PLACED ON SIDE/REAR OF BUILDING:** N/A  
**AMOUNT BUILT UPON ALLOWED:** N/A  
**AMOUNT BUILT UPON PROPOSED:** N/A  
**RCA REQUIRED:** N/A  
**RCA PROVIDED:** N/A  
**HISTORIC STRUCTURES:** NO  
**COMMUNITY AMENITIES:** N/A  
**SEWER CAPACITY REQUESTED:** N/A

**PUBLIC INFRASTRUCTURE TABLE**

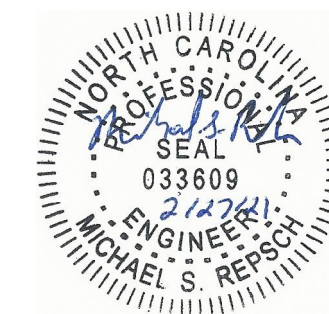
WATER LINES	0 LF
SEWER LINES	0 LF
CURB & GUTTER	0 LF
STORM DRAIN	300 LF
SIDEWALK/GREENWAY	1260 LF
NEW STREETS	0 LF

**LINEAR PROJECT STORMWATER MANAGEMENT NOTE**

THIS PROJECT MEETS THE SPIRIT AND INTENT OF SECTION E-5 OF THE NORTH CAROLINA DIVISION OF ENVIRONMENTAL QUALITY (DEQ) BMP MANUAL FOR LINEAR TRANSPORTATION PROJECTS. THE TOWN OF APEX IS THE OWNER AND DEVELOPER OF THIS GREENWAY SYSTEM THAT IS NOT PART OF A LARGER COMMON PLAN OF DEVELOPMENT. THE GREENWAY IS BEING CONSTRUCTED WITHIN AN EXISTING GREENWAY EASEMENT CORRIDOR FOR THE PURPOSES OF PROVIDING A LINEAR PEDESTRIAN CORRIDOR FOR PUBLIC BENEFIT AS PART OF THE WAKE COUNTY GREENWAY PLAN.

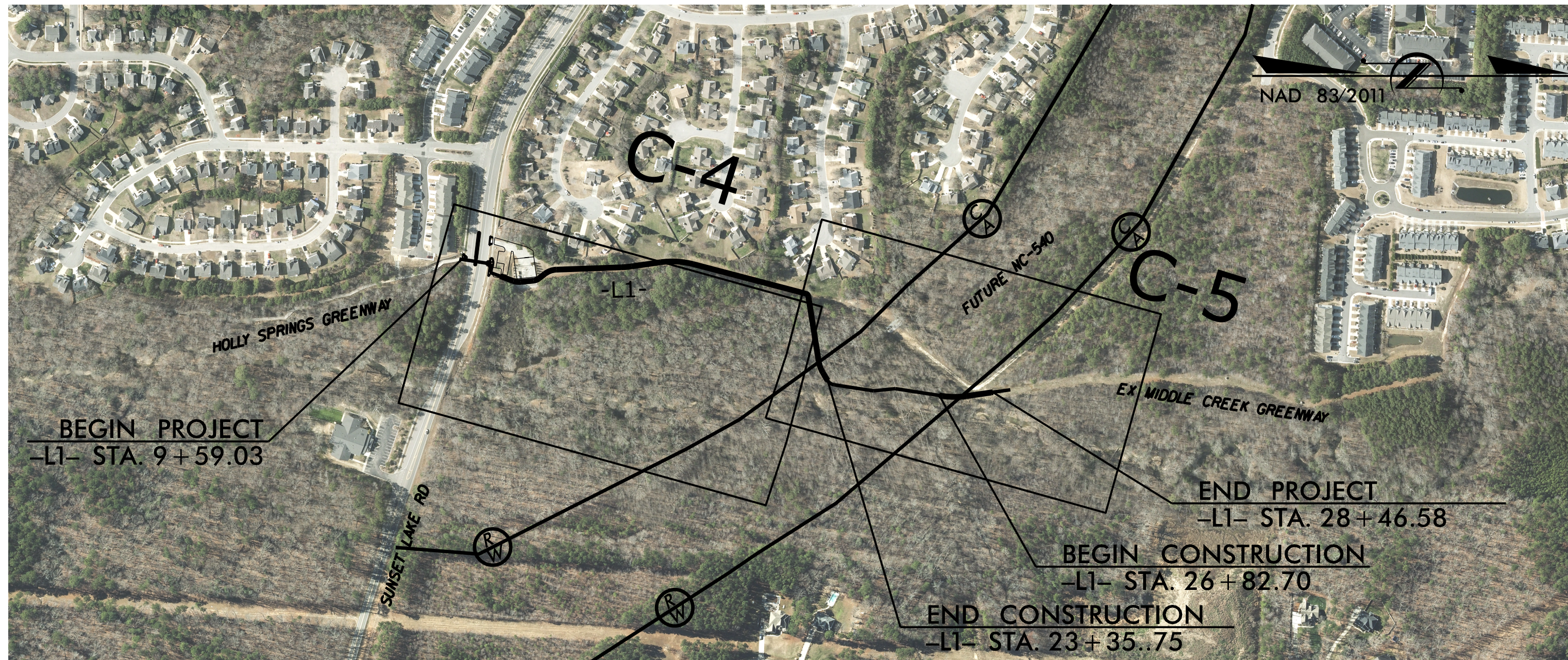
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UNLESS ALL SIGNATURES COMPLETED**

**ENGINEER**



**INDEX OF SHEETS**

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X-5	CROSS SECTIONS
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X-7	CROSS SECTIONS



**BUILDING INSPECTIONS & PERMITS TOWN OF APEX CERTIFICATION**  
This drawing has been reviewed by the Town of Apex Building Inspections & Permits Department, and to the best of my knowledge and belief, conforms to the requirements established within the Town's Code of Ordinances and the North Carolina State Building Codes. However, this signature does not constitute a variance from any requirements contained in any federal, state, or local code, law, specification, rule or ordinance. It is the sole responsibility of the owner/developer, or any of his agents or contract professionals to ensure that this construction plan meets all the aforementioned requirements.

**PUBLIC WORKS & TRANSPORTATION TOWN OF APEX CERTIFICATION**  
This drawing has been reviewed by the Town of Apex Public Works & Transportation Department, and to the best of my knowledge and belief, provides an acceptable transportation system with consideration for the elements contained within the Transportation Plan conforming to the requirements established in the Standard Specifications & Standard Details and the Unified Development Ordinance of the Town of Apex. However, this signature does not constitute a variance from any requirements contained in any federal, state, or local code, law, specification, rule or ordinance. It is the sole responsibility of the owner/developer, or any of his agents or contract professionals to ensure that this construction plan meets all the aforementioned requirements.

**ELECTRIC TOWN OF APEX CERTIFICATION**  
This drawing has been reviewed by the Town of Apex Electric Department, and to the best of my knowledge and belief, conforms to the requirements established in the Standard Specifications and Construction Details and the Unified Development Ordinance of the Town of Apex. However, this signature does not constitute a variance from any requirements contained in any federal, state, or local code, law, specification, rule or ordinance. It is the sole responsibility of the owner/developer, or any of his agents or contract professionals to ensure that this construction plan meets all the aforementioned requirements.

**WATER RESOURCES SOIL EROSION & SEDIMENTATION CONTROL TOWN OF APEX CERTIFICATION**  
This drawing has been reviewed by the Town of Apex, and to the best of my knowledge and belief, conforms to the requirements established in the Soil Erosion and Sedimentation Control Ordinance of the Town of Apex. However, this signature does not constitute a variance from any requirements contained in any federal, state, or local code, law, specification, rule or ordinance. It is the sole responsibility of the owner/developer, or any of his agents or contract professionals to ensure that this construction plan meets all the aforementioned requirements.

**FIRE DEPARTMENT TOWN OF APEX CERTIFICATION**  
This drawing has been reviewed by the Town of Apex Fire Department, and to the best of my knowledge and belief, conforms to the requirements established within the Town's Standard Specifications, Fire Protection Ordinances, and the North Carolina International Fire Code. However, this signature does not constitute a variance from any requirements contained in any federal, state, or local code, law, specification, rule or ordinance. It is the sole responsibility of the owner/developer, or any of his agents or contract professionals to ensure that this construction plan meets all the aforementioned requirements.

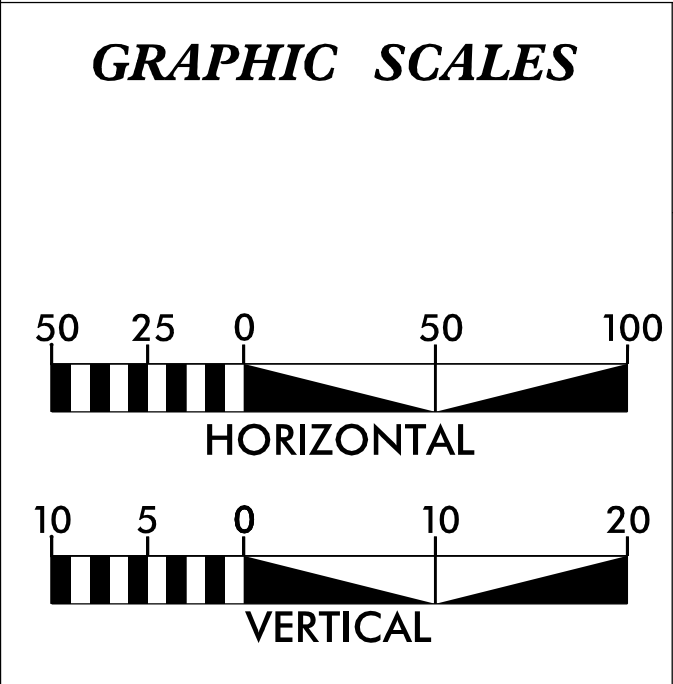
**WATER RESOURCES STORMWATER ENGINEERING TOWN OF APEX CERTIFICATION**  
This drawing has been reviewed by the Town of Apex Water Resources Stormwater & Utility Engineering Division and to the best of my knowledge and belief, conforms to the requirements established in the Standard Specifications and Standard Details and the Unified Development Ordinance of the Town of Apex. However, this signature does not constitute a variance from any requirements contained in any federal, state, or local code, law, specification, rule or ordinance. It is the sole responsibility of the owner/developer, or any of his agents or contract professionals to ensure that this construction plan meets all the aforementioned requirements. A separate letter of plan approval will be mailed to the financially responsible person at a later date according to the construction sequence.

**PARKS, RECREATION, AND CULTURAL RESOURCES TOWN OF APEX CERTIFICATION**  
These plans have been reviewed by the Town of Apex, and to the best of my knowledge and belief, conform to representations made by the developer to myself and the Parks, Recreation, and Cultural Resources Advisory Commission consistent with the projects requirements for public Parks and Recreation, either in total or in part, as outlined in the Town of Apex Unified Development Ordinance and Town of Apex Code of Ordinances. However, this signature does not constitute a variance from any requirements contained in any federal, state, or local code, law, specification, rule or ordinance. It is the sole responsibility of the owner/developer, or any of his agents or contract professionals to ensure that this construction plan meets all the aforementioned requirements.

**WATER RESOURCES UTILITY ENGINEERING TOWN OF APEX CERTIFICATION**  
This drawing has been reviewed by the Town of Apex Water Resources Department, and to the best of my knowledge and belief, conforms to the requirements established in the Standard Specifications and Standard Details of the Town of Apex. However, this signature does not constitute a variance from any requirements contained in any federal, state, or local code, law, specification, rule or ordinance. It is the sole responsibility of the owner/developer, or any of his agents or contract professionals to ensure that this construction plan meets all the aforementioned requirements. This signature serves as the stormwater permit for this project.

**PLANNING/ZONING TOWN OF APEX CERTIFICATION**  
This construction drawing has been reviewed by the Town of Apex Planning Department, and to the best of my knowledge and belief, conforms to the Subdivision or Site Plan that was approved by the Town of Apex Town Council or Technical Review Committee, as appropriate, and meets the standards of the Town of Apex Unified Development Ordinance. This signature does not constitute a variance from any requirements of the originally approved Subdivision or Site Plan cited above, or any federal, state, or local code, law, specification, rule, guideline, or ordinance. It is the sole responsibility of the owner/developer, or any of his agents or contract professionals to ensure that this construction plan meets all the aforementioned requirements.

**WATER RESOURCES UTILITY ENGINEERING TOWN OF APEX CERTIFICATION**  
This drawing has been reviewed by the Town of Apex Water Resources Department, and to the best of my knowledge and belief, conforms to the requirements established in the Standard Specifications and Standard Details of the Town of Apex. However, this signature does not constitute a variance from any requirements contained in any federal, state, or local code, law, specification, rule or ordinance. It is the sole responsibility of the owner/developer, or any of his agents or contract professionals to ensure that this construction plan meets all the aforementioned requirements.



Prepared by: **alta**  
Alta Engineering SE, PLLC  
111 E Chapel Hill Street, Suite 100 | Durham, NC 27701  
919-484-8448 | altago.com | NC License #P-1301

**MICHAEL S. REPSCH, P.E.**  
PROJECT ENGINEER

**BRANDEN BERGERON, P.E.**  
PROJECT DESIGN ENGINEER

**PROJECT LENGTH**

TOTAL LENGTH OF PROJECT = 0.36 MILES

**ENGINEER**



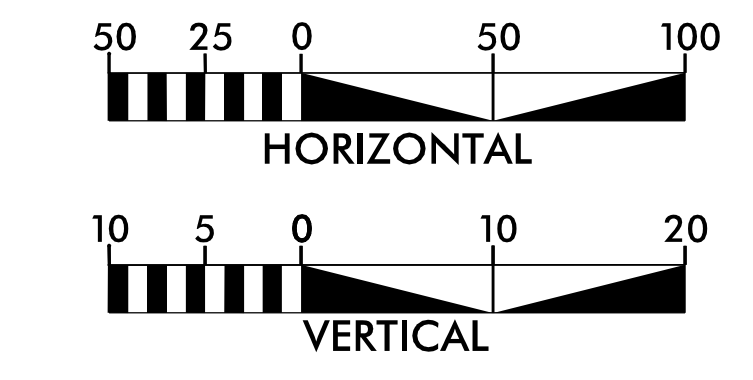


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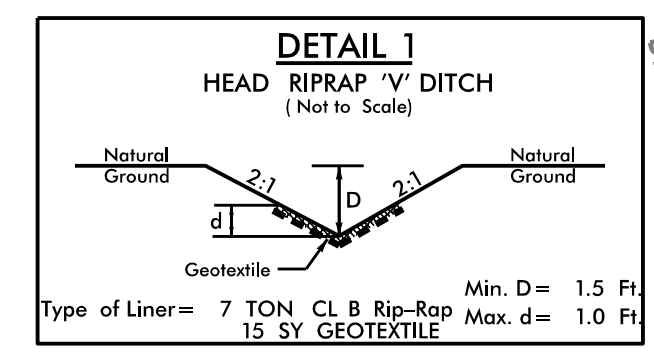
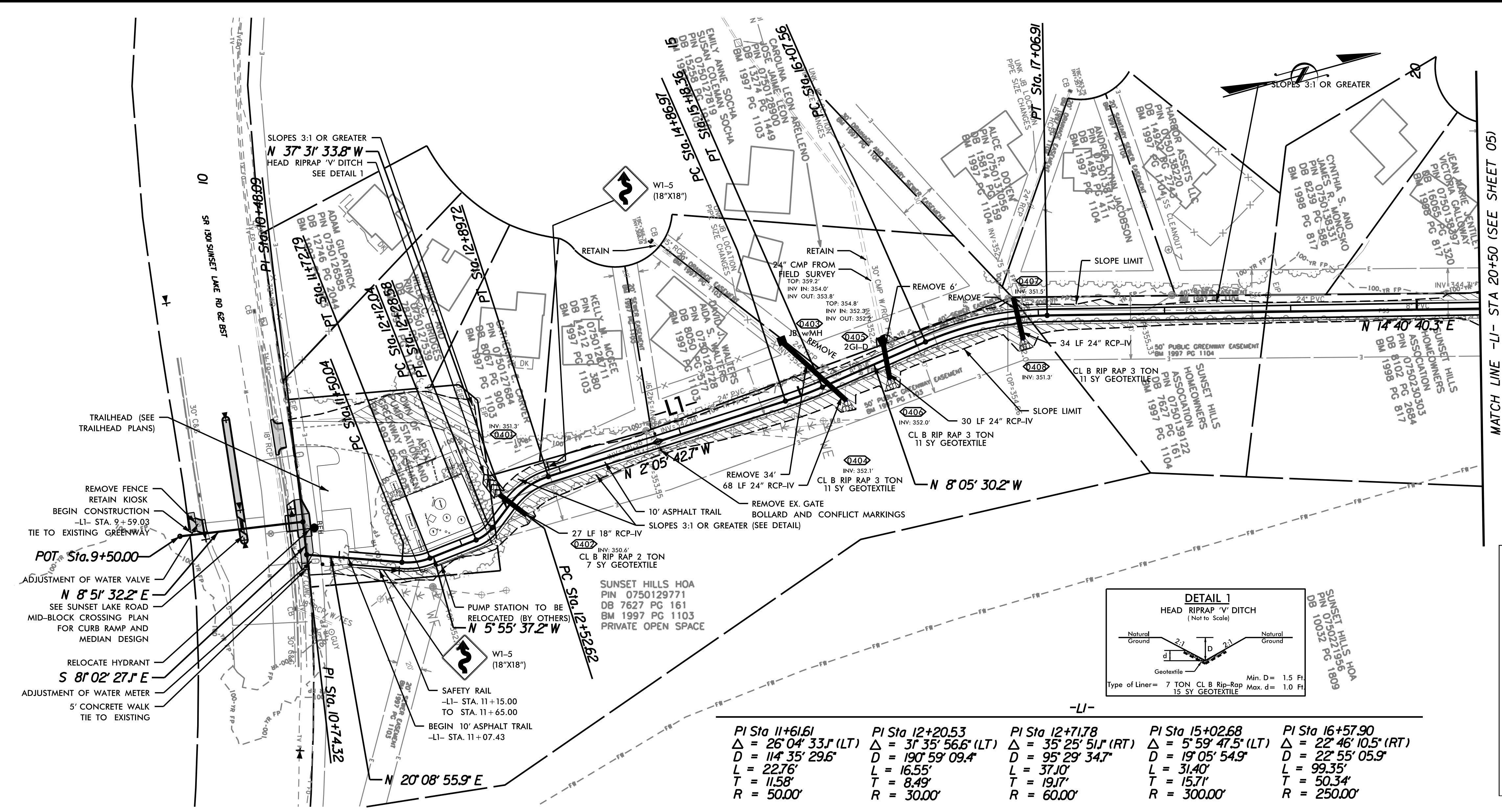
NOTES:

1) SEE SHEET C-1 FOR GENERAL NOTES.

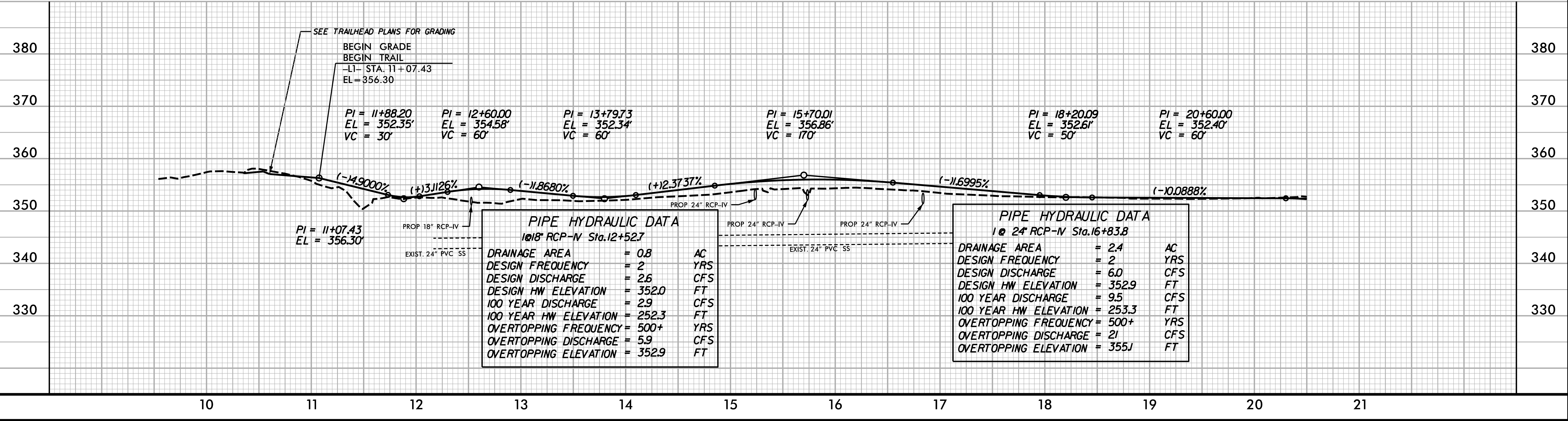


The signatures affixed below certify that this sheet has been reviewed and approved solely per the certifications signed on the cover sheet of these construction plans.

Public Works – Transportation	Water Resources – Stormwater
Building Inspections	Planning
Water Resources – Utility Engineering	Planning – Transportation
Electric	Fire
Water Resources – Soil & Erosion Control	Parks, Recreation & Cultural Resources



PI Sta 11+61.61 Δ = 26° 04' 33.1" (LT) D = 114' 35' 29.6" L = 22.76' T = 11.58" R = 50.00'	PI Sta 12+20.53 Δ = 31° 35' 56.6" (LT) D = 190' 59' 09.4" L = 16.55' T = 8.49" R = 30.00'	PI Sta 12+71.78 Δ = 35° 25' 51.1" (RT) D = 95' 29' 34.7" L = 37.10' T = 19.17" R = 60.00'	PI Sta 15+02.68 Δ = 5° 59' 47.5" (LT) D = 19' 05' 54.9" L = 31.40' T = 15.71" R = 300.00'	PI Sta 16+57.90 Δ = 22° 46' 10.5" (RT) D = 22' 55' 05.9" L = 99.35' T = 50.34" R = 250.00'
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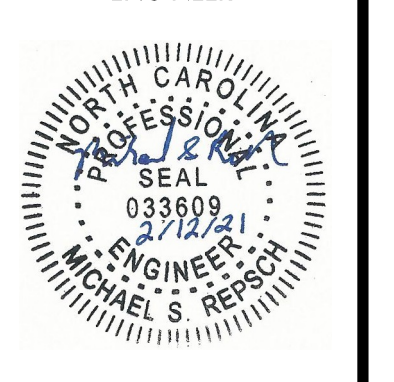


REVISIONS

8/17/99

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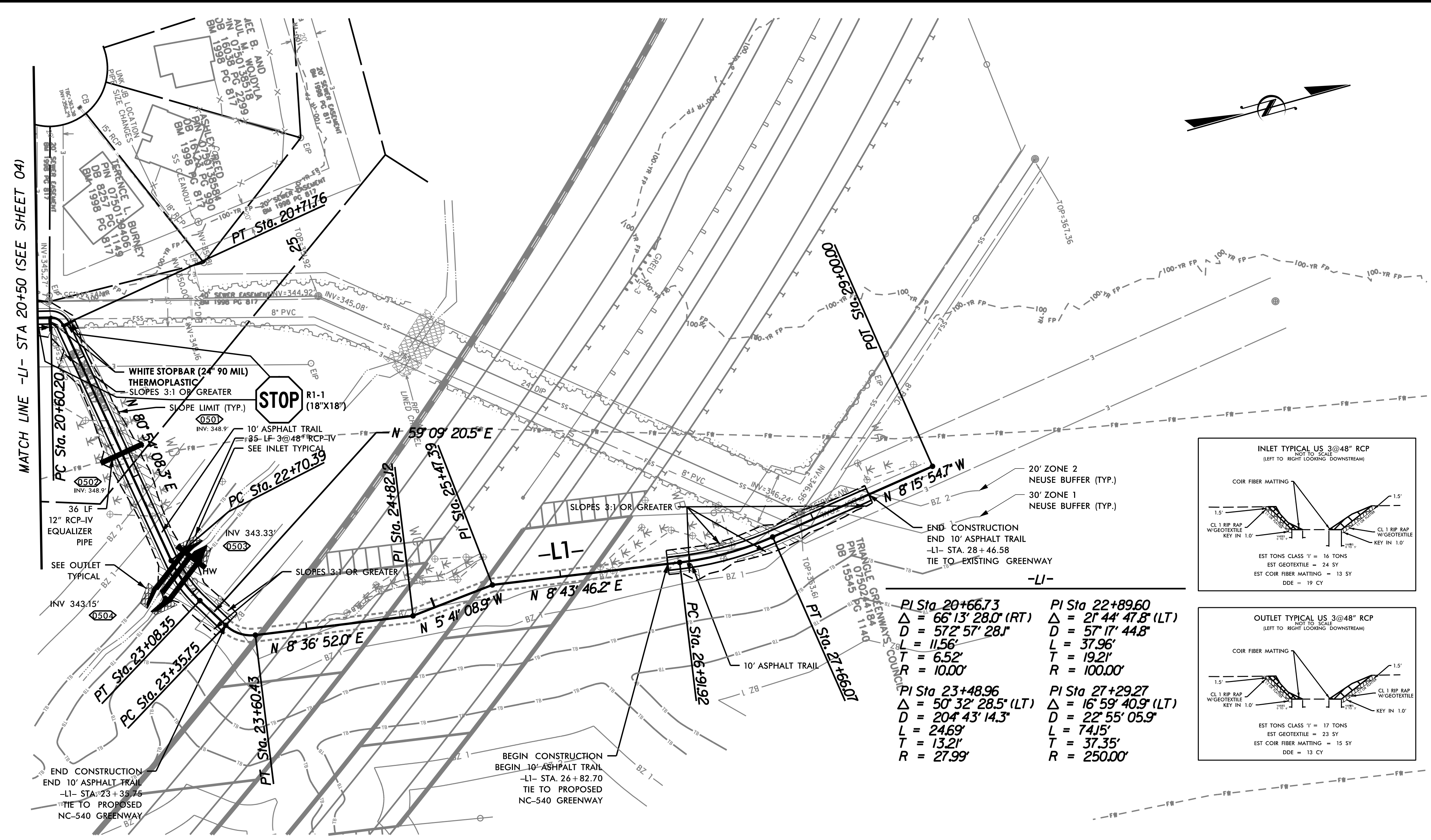
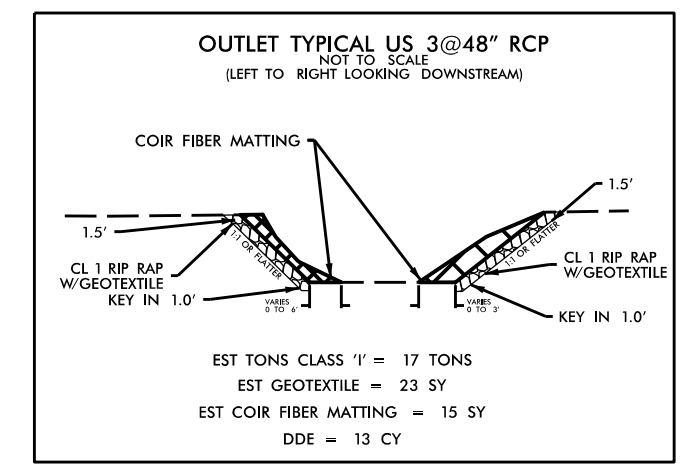
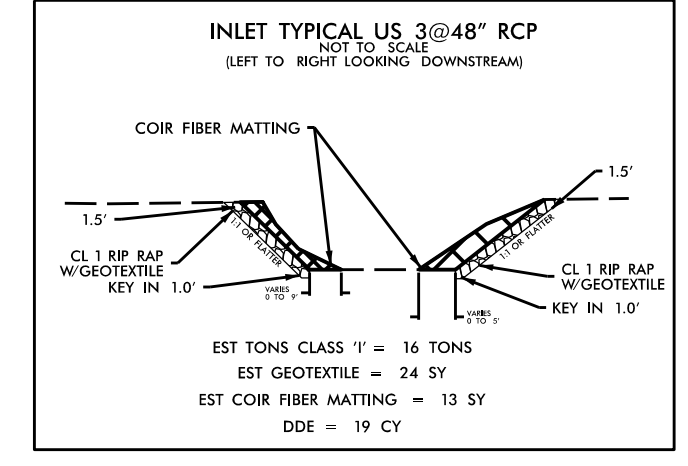
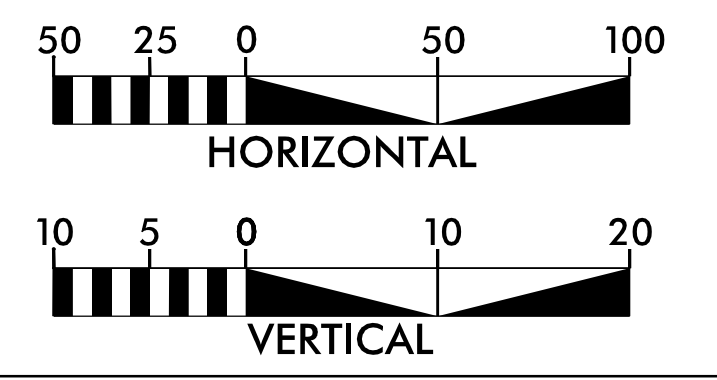




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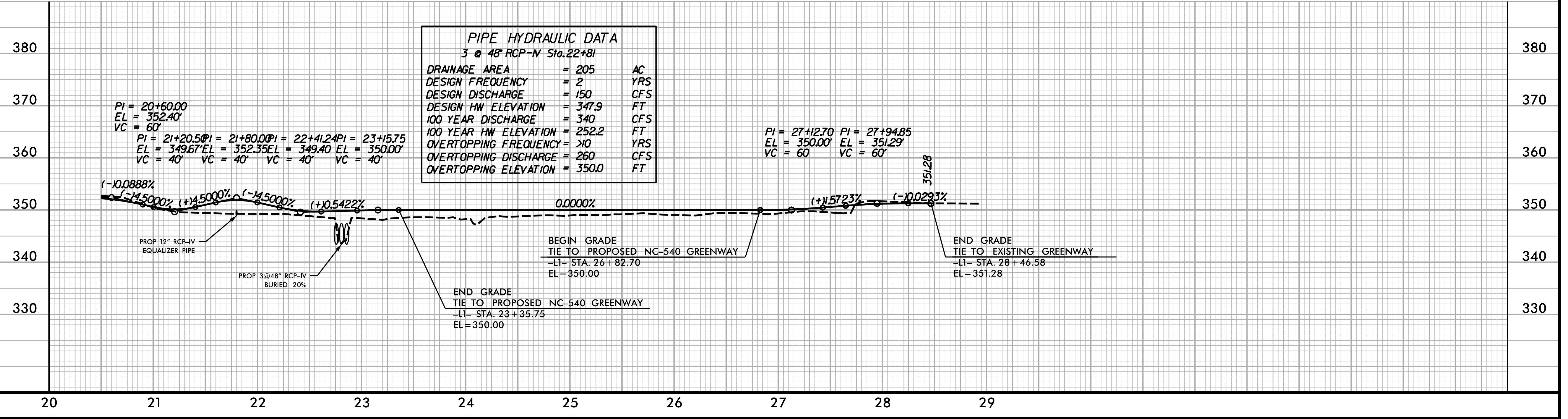


NOTES:  
1) SEE SHEET C-1 FOR GENERAL NOTES.



REVISIONS

PIPE HYDRAULIC DATA	
3 @ 48" RCP-IV Sta. 22+81	
DRAINAGE AREA	= 205 AC
DESIGN FREQUENCY	= 2 YRS
DESIGN DISCHARGE	= 150 CFS
DESIGN HW ELEVATION	= 347.9 FT
100 YEAR DISCHARGE	= 340 CFS
100 YEAR HW ELEVATION	= 252.2 FT
OVERTOPPING FREQUENCY	= >10 YRS
OVERTOPPING DISCHARGE	= 260 CFS
OVERTOPPING ELEVATION	= 350.0 FT



8/17/99

8/17/99