



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

December 1 2017

Addendum No. 1

RE: Contract # C204014

WBS # 46375.3.1

STATE FUNDED

Lenoir County (R-5703)

NC-148 (Harvey Parkway) From NC-58 To NC-11

December 19, 2017 Letting

To Whom It May Concern:

Reference is made to the plans and proposal form furnished to you on this project.

The following revisions have been made to the Roadway plans:

Sheet No.	Revisions
New 2H-1	Added to include "Stockpile Containment Detail"
3D-10 and 3D-11	Revised drainage summary quantities to account for addition of two new driveway pipes
6 and 7	Revised to show 2 new driveway pipe locations
11 and 30	Revised to show areas of possible contaminated soil on Parcels 13 and 48
TMP-1B	Revised to remove the note "D)" concerning hauling restrictions
EC-3A	Revised "Matting For Erosion Control" within the "Soil Stabilization Summary Sheet"
EC-11 and EC-30	Revised to show location of possible contaminated soil
EC-33	Revised to provide correct sheet to show final erosion control for NC58
EC-38 and EC-57	Revised to show location of possible contaminated soil
UO-6	Revised to remove CenturyLink and North Lenoir 8" Water being relocated. These two utilities can remain in place.
UO-8	Revised to add note for Erosion Control contractor to be aware of the basin near the proposed water line

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
CONTRACT STANDARDS AND DEVELOPMENT
1591 MAIL SERVICE CENTER
RALEIGH, NC 27699-1591

Telephone: (919) 707-6900
Fax: (919) 250-4127
Customer Service: 1-877-368-4968

Location:
1020 BIRCH RIDGE DR.
RALEIGH, NC 27610

Website: www.ncdot.gov

Please void the above listed sheets in your plans and staple the revised sheets thereto.
Please staple New Sheet No. 2H-1 after existing Sheet No. SD-1.

The following revisions have been made to the proposal:

Page No.	Revisions
Proposal Cover	Note added that reads "Includes Addendum No. 1 Dated 12-01-2017".
Table of Contents	Revised to show the addition of the project special provisions entitled "Repairs To Existing Roads" "Note To Contractor" and "Geoenvironmental" (GV-1)
G-35	Revised to add the project special provisions entitled "Repairs To Existing Roads" and "Note To Contractor"
R-8	Revised to delete the project special provision entitled "Rock and Broken Pavement Fills". Note that the remaining provisions in the "Roadway" section were moved up.
New GV-1	New page to add the project special provision entitled "Contaminated Soil"
P-1	Revised to show that the CCPCUA permit has been issued
New P-40 thru P-47	New pages added to include the CCPCUA permit

Please void the above listed pages in your proposal and staple the revised pages thereto.
Please staple new page Nos. P-40 thru P-47 after existing page No P-39.

On the item sheets the following pay item has been added:

<u>Item</u>	<u>Description</u>	<u>Old Quantity</u>	<u>New Quantity</u>
029-0318000000-E-300	Foundation Conditioning Material, Minor Structures	3,400 TON	3,410 TON
030-032000000-E-300	Foundation Conditioning Geotextile	10,690 SY	10,700 SY
032-0343000000-E-310	15" Side Drain Pipe	7,176 LF	7,196 LF
033-0344000000-E-310	18" Side Drain Pipe	1,236 LF	1,264 LF
192-6009000000-E-1610	Stone For Erosion Control, Class B	80,720 TON	24,192 TON
193-6012000000-E-1610	Sediment Control Stone	67,375 TON	41,200 TON
197-6024000000-E-1622	Temporary Slope Drains	60,000 LF	39,000 LF
199-6030000000-E-1630	Silt Excavation	445,000 CY	144,000 CY
200-6036000000-E-1631	Matting For Erosion Control	846,000 SY	477,350 SY

R-5703 (C204014)

Lenoir County


<u>Item</u>	<u>Description</u>	<u>Old Quantity</u>	<u>New Quantity</u>
210-6071030000-E-1640	Coir Fiber Baffle	77,200 LF	41,900 LF
226-6123000000-E-1670	Reforestation	20 ACR	5 ACR
277-0255000000-E-SP	Hauling and Disposal Of Petroleum Contaminated Soil	NEW ITEM	50 TON

The Contractor's bid must be based on these revised pay item quantities and include the new pay item.

The Expedite File has been updated to reflect these revisions. Please download the Expedite Addendum File and follow the instructions for applying the addendum. Bid Express will not accept your bid unless the addendum has been applied.

The contract will be prepared accordingly.

Sincerely,

DocuSigned by:

F81B6038A47A442...

Ronald. E. Davenport, Jr., PE
State Contract Officer

RED/jag
Attachments

cc: Mr. Lamar Sylvester, PE
Mr. Preston Hunter PE
Mr. Chris Werner, PE
Mr. Ken Kennedy, PE
Mr. Jon Weathersbee, PE
Ms. Jaci Kincaid
Project File (2)

Mr. Ray Arnold, PE
Ms. Theresa Canales, PE
Mr. Mike Gwyn
Ms. Penny Higgins
Mr. Mitchell Dixon
Ms. Lori Strickland

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH, N.C.

PROPOSAL

INCLUDES ADDENDUM No. 1 DATED 12-01-2017

DATE AND TIME OF BID OPENING: **DECEMBER 19, 2017 AT 2:00 PM**

CONTRACT ID C204014
WBS 46375.3.1

FEDERAL-AID NO. STATE FUNDED

COUNTY LENOIR

T.I.P. NO. R-5703

MILES 5.815

ROUTE NO. NC 148

LOCATION NC-148 (HARVEY PKWY) FROM NC-58 TO NC-11.

TYPE OF WORK WIDENING, GRADING, DRAINAGE, PAVING & STRUCTURES.

NOTICE:

ALL BIDDERS SHALL COMPLY WITH ALL APPLICABLE LAWS REGULATING THE PRACTICE OF GENERAL CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA WHICH REQUIRES THE BIDDER TO BE LICENSED BY THE N.C. LICENSING BOARD FOR CONTRACTORS WHEN BIDDING ON ANY NON-FEDERAL AID PROJECT WHERE THE BID IS \$30,000 OR MORE, EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD. BIDDERS SHALL ALSO COMPLY WITH ALL OTHER APPLICABLE LAWS REGULATING THE PRACTICES OF ELECTRICAL, PLUMBING, HEATING AND AIR CONDITIONING AND REFRIGERATION CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA. NOTWITHSTANDING THESE LIMITATIONS ON BIDDING, THE BIDDER WHO IS AWARDED ANY FEDERAL - AID FUNDED PROJECT SHALL COMPLY WITH CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA FOR LICENSING REQUIREMENTS WITHIN 60 CALENDAR DAYS OF BID OPENING.

BIDS WILL BE RECEIVED AS SHOWN BELOW:

THIS IS A ROADWAY & STRUCTURE PROPOSAL

5% BID BOND OR BID DEPOSIT REQUIRED

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ITEM SHEET(S) (TAN SHEETS)

Page 1-65, Article 108-5 Character of Workmen, Methods, and Equipment, line 32, delete all of line 32, the first sentence of the second paragraph and the first word of the second sentence of the second paragraph.

STATE HIGHWAY ADMINISTRATOR TITLE CHANGE:

(9-18-12)

SP1 G185

Revise the *2012 Standard Specifications* as follows:

Replace all references to “State Highway Administrator” with “Chief Engineer”.

SUBLETTING OF CONTRACT:

(11-18-2014)

108-6

SP1 G186

Revise the *2012 Standard Specifications* as follows:

Page 1-66, Article 108-6 Subletting of Contract, line 37, add the following as the second sentence of the first paragraph:

All requests to sublet work shall be submitted within 30 days of the date of availability or prior to expiration of 20% of the contract time, whichever date is later, unless otherwise approved by the Engineer.

Page 1-67, Article 108-6 Subletting of Contract, line 7, add the following as the second sentence of the fourth paragraph:

Purchasing materials for subcontractors is not included in the percentage of work required to be performed by the Contractor. If the Contractor sublets items of work but elects to purchase material for the subcontractor, the value of the material purchased will be included in the total dollar amount considered to have been sublet.

REPAIRS TO EXISTING ROADS:

The Contractor is advised that as part of this contract, he will be required to maintain and resurface existing roads adjacent to this project that are used by the Contractor for hauling materials and/or equipment as directed by the Engineer. At the preconstruction conference, the Contractor shall present a detailed plan of his operations including the use of any existing roads for transporting materials to and from the project. Any existing road which is not posted with weight limits less than the legal weight limit and utilized as described above will be maintained in a safe and passable condition as directed by the Engineer. Repair and maintenance of these existing roads will be paid for at the contract unit prices for the various items involved except as follows:

The existing weight limit, if less than legal weight limit, on existing roads may be removed if requested; however, the Contractor will be responsible for maintaining these roads at his own expense in accordance with Article 105-15 of the *Standard Specifications*.

NOTE TO CONTRACTOR:

The Contractor’s attention is directed to the fact that only a temporary work bridge is permitted for the temporary access for the construction of the twin structures at Station 219+22.38 -L- as shown in the Structure Plan Sheets S7-1 thru S7-3 and S8-1 thru S8-3.

PIPE INSTALLATION:

(11-20-12) (Rev. 8-18-15)

300

SP3 R01

Revise the *2012 Standard Specifications* as follows:

Page 3-1, Article 300-2, Materials, line 15, in the materials table, replace “Flowable Fill” and “Geotextiles” with the following:

Item	Section
Flowable Fill, Excavatable	1000-6
Grout, Type 2	1003
Geotextiles, Type 4	1056

Page 3-1, Article 300-2, Materials, lines 23-24, replace sentence with the following:

Provide foundation conditioning geotextile and geotextile to wrap pipe joints in accordance with Section 1056 for Type 4 geotextile.

Page 3-3, Subarticle 300-6(A), Rigid Pipe, line 2, in the first paragraph, replace “an approved non-shrink grout.” with “grout.” and line 4, in the second paragraph, replace “filtration geotextile” with “geotextile”.

Page 3-3, Article 300-7, Backfilling, lines 37-38, in the first and second sentences of the fifth paragraph, replace “Excavatable flowable fill” with “Flowable fill”.

REINFORCED CONCRETE PIPE CULVERT (CONTRACTOR DESIGN):

(10-20-09)

SPI 3-06

Description

This work consists of the design, manufacture and installation of reinforced concrete pipes in locations that require fill heights greater than 40 feet and less than or equal to 80 feet.

Materials**(A) Design**

When the design of a reinforced concrete pipe is required in the contract plans, design the reinforced concrete pipe in accordance with the current edition of the AASHTO LRFD Bridge Design Specifications. Provide the diameter of pipe as indicated on the plans and manufacture the pipe in accordance with ASTM C 1417. Provide a reinforced concrete pipe that meets the requirements of Section 1032-6(B), Section 1077 and any other applicable parts of the Standard Specifications.

**PROJECT SPECIAL PROVISIONS
GEOENVIRONMENTAL**

CONTAMINATED SOIL (11/15/2017)

The Contractor's attention is directed to the fact that soil contaminated with petroleum hydrocarbon compounds exist within the project area. The known areas of contamination are indicated on corresponding plans sheets. Information relating to these contaminated areas, sample locations, and investigation reports will be available at the following web address by navigating to the correct letting year and month then selecting, "Plans and Proposals", "R5703", "GeoEnv Postings":

<http://dotw-xfer01.dot.state.nc.us/dsplan/>

Petroleum contaminated soil may be encountered during any earthwork activities on the project. The Contractor shall only excavate those soils that the Engineer designates necessary to complete a particular task. The Engineer shall determine if soil is contaminated based on petroleum odors and unusual soil staining. Contaminated soil not required to be excavated is to remain in place and undisturbed. Undisturbed soil shall remain in place, whether contaminated or not. The Contractor shall transport all contaminated soil excavated from the project to a facility licensed to accept contaminated soil.

In the event that the Contractor chooses to stockpile the soil temporarily, the stockpile shall be created within the property boundaries of the source material and in accordance with the Stockpile Containment Detail found in the plans. If the volume of contaminated material exceeds available space on site, the Contractor shall obtain a permit from the NCDEQ UST Section's Regional Office for off-site temporary storage. Stockpiling contaminated soil will be incidental to the project. The Contractor shall provide disposal manifests and weigh tickets to the Engineer for review and approval. The Engineer will in turn provide the GeoEnvironmental Section with a copy of the disposal manifests and weigh tickets for their records.

Measurement and Payment:

The quantity of contaminated soil hauled, and disposed of shall be the actual number of tons of material, which has been acceptably transported and weighed with certified scales as documented by disposal manifests and weigh tickets. The quantity of contaminated soil, measured as provided above, shall be paid for at the contract unit price per ton for "Hauling and Disposal of Petroleum Contaminated Soil".

The above price and payment shall be full compensation for all work covered by this section, including, but not limited to loading, transportation, weighing, laboratory testing, disposal, equipment, decontamination of equipment, labor, and personal protective equipment.

Payment shall be made under:

Pay Item
Hauling and Disposal of Petroleum Contaminated Soil

Pay Unit
Ton

DocuSigned by:

Cyrus Parker

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11/15/2017



PROJECT SPECIAL PROVISION

(10-18-95) (Rev. 3-21-17)

Z-1

PERMITS

The Contractor's attention is directed to the following permits, which have been issued to the Department of Transportation by the authority granting the permit.

<u>PERMIT</u>	<u>AUTHORITY GRANTING THE PERMIT</u>
Dredge and Fill and/or Work in Navigable Waters (404)	U. S. Army Corps of Engineers
Water Quality (401)	Division of Environmental Management, DEQ State of North Carolina
Buffer Certification	Division of Environmental Management, DEQ State of North Carolina
CCPCUA	Division of Water Resources, DEQ State of North Carolina

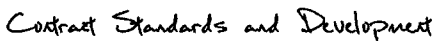
The Contractor shall comply with all applicable permit conditions during construction of this project. Those conditions marked by * are the responsibility of the Department and the Contractor has no responsibility in accomplishing those conditions.

Agents of the permitting authority will periodically inspect the project for adherence to the permits.

The Contractor's attention is also directed to Articles 107-10 and 107-13 of the *2012 Standard Specifications* and the following:

Should the Contractor propose to utilize construction methods (such as temporary structures or fill in waters and/or wetlands for haul roads, work platforms, cofferdams, etc.) not specifically identified in the permit (individual, general, or nationwide) authorizing the project it shall be the Contractor's responsibility to coordinate with the Engineer to determine what, if any, additional permit action is required. The Contractor shall also be responsible for initiating the request for the authorization of such construction method by the permitting agency. The request shall be submitted through the Engineer. The Contractor shall not utilize the construction method until it is approved by the permitting agency. The request normally takes approximately 60 days to process; however, no extensions of time or additional compensation will be granted for delays resulting from the Contractor's request for approval of construction methods not specifically identified in the permit.

Where construction moratoriums are contained in a permit condition which restricts the Contractor's activities to certain times of the year, those moratoriums will apply only to the portions of the work taking place in the restricted waters, wetlands or buffer zones, provided that activities outside those areas is done in such a manner as to not affect the restricted waters, wetlands or buffer zones.

DocuSigned by:

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11/20/2017 | 3:33 PM EST

*THIS IS FOR ADDENDUM. THESE SHEETS ARE WHAT CHANGED.
 COMPLETE PERMIT IS IN THE ADDENDUM 1 FOLDER*



Water Resources
ENVIRONMENTAL QUALITY

P-40

file

ROY COOPER

MICHAEL S. REGAN

LINDA CULPEPPER

November 14, 2017

Chris Rivenbark
NCDOT - Natural Environment Section
1598 MSC
Raleigh, NC 27699-1598

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
7017 0530 0000 5470 5413
9590 9402 2932 7094 2272 47

Subject: CCPCUA Permit No. CU4041
NCDOT TIP project: R-5703.
NC 148 (Harvey Parkway) from NC 58 to NC 11
Lenoir County

Dear Mr. Rivenbark:

In accordance with your application dated September 25, 2017 and associated documentation, we are forwarding Permit No. CU4041 for water use in the Central Coastal Plain Capacity Use Area in Lenoir County. This permit allows for the withdrawal of water for the purpose of dewatering borrow pits associated with road construction.

Enclosed with this package are forms DWR CCPCUA-4 and DWR CCPCUA-6. Form DWR CCPCUA-4 is for reporting water withdrawals, in accordance with Sections I. C. and IV. A. of your permit. Form DWR CCPCUA-6 is for reporting ground water levels, in accordance with Sections II. B. and IV. B. of your permit.

If you are not already doing so, DWR requests you submit your monthly water withdrawal and water level information using our online system. By doing so you will not need to mail the Division a signed hard copy. The CCPCUA online permit renewal application, water withdrawal and levels reporting forms are at:

<http://www.ncwater.org/CCPCUAreportonline>

If you do not have internet access then please make as many copies as necessary and send forms on a monthly basis to the address on the top of the forms.

This permit is effective from the date of issuance until October 31, 2022, and is subject to the conditions and/or limitations contained therein. In order for this permit to continue uninterrupted, please apply for permit renewal at least three (3) months before the expiration date.

Sincerely,

Nathaniel C. Wilson, Chief
Ground Water Management Branch
Division of Water Resources

North Carolina
Environmental Management Commission
Department of Environmental Quality

**Permit For The Withdrawal And Use Of Water
In The Central Coastal Plain Capacity Use Area**

In accordance with the provisions of Part 2, Article 21 of Chapter 143, General Statutes of North Carolina as amended, and any other applicable Laws, Rules and Regulations,

Permission Is Hereby Granted To

NC Department of Transportation

NCDOT TIP project: **R-5703**

NC 148 (Harvey Parkway) from NC 58 to NC 11 in Lenoir County.
Total length of project is 5.8 miles.

FOR THE

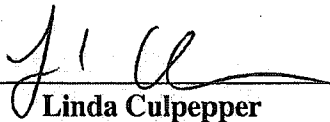
Withdrawal and Use of Water in Lenoir, North Carolina in accordance with the grantee's application dated September 25, 2017, and any supporting data submitted with the application, all of which are filed with the Department of Environmental Quality and are considered part of this Permit.

This Permit shall be effective from the date of its issuance until October 31, 2022, and shall be subject to the specified conditions and/or limitations contained in Sections I - X of this Permit.

Permit issued this the 14th day of November, 2017.

NORTH CAROLINA ENVIRONMENTAL MANAGEMENT COMMISSION

BY _____


Linda Culpepper

Interim Director, Division of Water Resources

By Authority of the Secretary of the Department of Environmental Quality

PERMIT #CU4041

P-42

CCPCUA Water Use Permit #CU4041 for NCDOT (R-5703)

I. WITHDRAWALS

A. USE

This Permit allows the withdrawal of water for the purpose of dewatering borrow pits to extract material for road construction.

B. RATES OF WITHDRAWALS

The maximum quantity of water that may be withdrawn shall not exceed what is established in the Reclamation Plan as specified in NCDOT's CCPCUA Special Provisions document.

C. SOURCE(S) OF WITHDRAWALS

Ground Water Source(s): Withdrawals shall be made from sumps in borrow pits in the surficial aquifer.

D. MONITORING OF WITHDRAWALS

Withdrawals from each source, whether well or sump, shall be measured by an approved metering device equipped with a totalizing indicator, and having an accuracy within plus or minus five percent.

II. WATER LEVELS

A. MAXIMUM DRAWDOWN LEVELS

1. Pump intakes for the well(s) shall not be set below the depth specified in the permit application or associated documentation without prior approval of the Division of Water Resources.
2. In the event that data from the permitted wells or other wells within the zone influenced by pumping of the permitted wells indicates a deterioration of quality or quantity in surrounding aquifers or the source aquifer, an alternate maximum pumping level may be established by the Division of Water Resources.

B. MONITORING OF WATER LEVELS

1. The pumping water level in each supply well shall be measured once a month:
 - a. by a steel or electric tape from a fixed reference point, or by using the air-line method
 - b. within accuracy limits of plus or minus one percent,
 - c. just prior to shutting off the pump, or after sufficient time of pumping, so that a maximum drawdown may be obtained, and
 - d. during the last planned pumping day of the month, or within the last five days of the month.

2. The static water level in each supply well shall be measured once a month:
 - a. by a steel or electric tape from a fixed reference point, or by using the air-line method
 - b. within accuracy limits of plus or minus one percent,
 - c. after the pump is shut off for approximately 12 hours, and
 - d. within the last five days of the month.

3. Unused supply wells or other suitable wells that may be available shall be monitored when such monitoring is specified by the Division of Water Resources and when pertinent to observation or evaluation of the effects of withdrawals made under this permit.

III. OTHER PROVISIONS

A. WELL CONSTRUCTION APPROVAL

A Well Construction Permit shall be required prior to the construction of any well that will be used to withdraw any portion of the water regulated under this Permit. Application for these permits must be submitted to the Washington Regional Office, Water Quality Regional Operations Section , 943 Washington Square Mall • Washington, NC 27889.

B. ACCESS TO FACILITIES

The Environmental Management Commission and employees of the Department of Environmental Quality shall have reasonable access to areas owned and under control of the permittee for observation and inspection of water use and related facilities pertinent to the provisions of this permit and other regulations.

IV. REPORTS REQUIRED

A. WITHDRAWALS

Monthly reports of daily withdrawal totals from each well or sump shall be furnished to the Division on a quarterly basis, within 30 days after the end of March, June, September and December.

B. WATER LEVELS

Water level measurements for each supply well shall be measured in accordance with Condition II. B. 1. of this permit and submitted to the Division not later than 30 days after the end of the calendar month in which the measurement was taken.

V. MODIFICATION OR REVOCATION

A. MODIFICATION

1. The Permittee must notify the Director of any proposed major changes in usage and apply for a modification of the permit for such changes or for any revisions of the terms of this permit.
2. The Director may modify the terms of the permit, after 60 days written notice to the permittee, if he finds that the terms of the permit and/or the resulting water use are found to be contrary to the purposes of the Water Use Act of 1967 or contrary to public interest or having an unreasonably adverse effect upon other water uses in the capacity use area. Modifications may include, but are not limited to, requirements for alternate pumping levels or the collection, analysis, and reporting of ground or surface water quality samples.

B. REVOCATION

The Director may revoke the permit if he finds that:

1. the Permittee has violated the terms of the permit; or
2. the terms of the Permit and/or the resulting water use are contrary to the purpose of the Water Use Act of 1967 or contrary to the public interest or having an unreasonably adverse effect upon other water uses in the capacity use area and cannot be cured by modification; or
3. the Permittee made false or fraudulent statements in the application for the water use permit; or
4. water withdrawn under the terms of the permit is used for purposes other than those set forth in the permit.

VI. CONSTRUCTION OF PERMIT

- A. The terms and conditions shall not be construed to relieve the Permittee of any legal obligation or liability, which it owes or may incur to third parties as the result of the conduct of its operations in conformity with this Permit.
- B. When under the terms hereof, any provision of this Permit requires approval of the Department or becomes effective at the discretion of the Department, the notice of approval or the exercise of such discretion shall be evidenced by written instrument issued by the Department.
- C. The terms and conditions of this Permit shall not be construed as a limitation of the powers, duties, and authority vested in the Environmental Management Commission or any other State, Federal, or local agency, or any applicable laws hereafter enacted.

VII. ADDITIONAL CONDITIONS

- A. This Permit shall be subject to any limitations or conditions in other State permits, including but not limited to permits required pursuant to North Carolina General Statutes §143-215.1.
- B. Issuance of this Permit shall have no bearing on subsequent State decision(s) regarding any other water use or other permit application(s) submitted or which may be submitted by the Permittee, its successors or assigns.
- C. Compliance with the terms and conditions in this permit does not relieve the permittee of compliance with any provision, now in force or hereafter enacted or promulgated, of the Water Use Act of 1967, the regulations promulgated thereunder, or any other provision of State law.

VIII. PENALTIES

Violations of the terms and conditions of this Permit are subject to penalties as set forth in North Carolina General Statutes §143-215.17.

IX. PERMIT NONTRANSFERABLE

Water Use Permits shall not be transferred except with approval of the Environmental Management Commission.

X. RENEWAL OF PERMIT

The Permittee, at least three (3) months prior to the expiration of this permit, shall request its extension. Upon receipt of the request, the Commission will review the adequacy of the facilities described therein, and if warranted, will extend the permit for such period of time and under such conditions and limitations as it may deem appropriate.

North Carolina Department of Environment Quality

Mail To: Division of Water Resources - NC DEQ
 1611 Mail Service Center
 Raleigh, North Carolina 27699-1611
 Attention : Capacity Use Administration

Check Box If No Use This Month

For month of: _____ Year: _____ Facility: NCDOI (R-5703) Permit #: CU4041 Sheet _____ of _____

**Report of Water Withdrawals
 from Each Source**

Well/Sump ID →	meter readings		gallons per day	meter readings		gallons per day	Total Withdrawn
	Beginning reading →	End reading		Beginning reading	End reading		
Day 1							
Day 2							
Day 3							
Day 4							
Day 5							
Day 6							
Day 7							
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Name: _____ Signature: _____ Date: _____

North Carolina Department Of Environmental Quality

Mail to: Division of Water Resources- NC DEQ
 1611 Mail Service Center
 Raleigh, NC 27699-1611
 Attention: Capacity Use Administration

Name: _____
Signature: _____
Date: _____

Permit #: CU4041 Sheet # _____ of _____

Month _____ Year _____ Facility Name: NC DOT (R-5703)

**Report of Weekly or Monthly
 Water Levels
 Pumping (P) and (S)**

Well ID _____ Land Surface Elev. (ft) _____		Well ID _____ Land Surface Elev. (ft) _____		Well ID _____ Land Surface Elev. (ft) _____							
Date	Time	Feet Below Land Surface	P or S	Date	Time	Feet Below Land Surface	P or S	Date	Time	Feet Below Land Surface	P or S

Well ID _____ Land Surface Elev. (ft) _____		Well ID _____ Land Surface Elev. (ft) _____		Well ID _____ Land Surface Elev. (ft) _____							
Date	Time	Feet Below Land Surface	P or S	Date	Time	Feet Below Land Surface	P or S	Date	Time	Feet Below Land Surface	P or S

Well ID _____ Land Surface Elev. (ft) _____		Well ID _____ Land Surface Elev. (ft) _____		Well ID _____ Land Surface Elev. (ft) _____							
Date	Time	Feet Below Land Surface	P or S	Date	Time	Feet Below Land Surface	P or S	Date	Time	Feet Below Land Surface	P or S

DWR CCPCUA-6 State land surface elevations and depths below land surface to the nearest 0.1 feet.

County : Lenoir

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
ROADWAY ITEMS						
0001	0000100000-N	800	MOBILIZATION	Lump Sum	L.S.	
0002	0000400000-N	801	CONSTRUCTION SURVEYING	Lump Sum	L.S.	
0003	0000700000-N	SP	FIELD OFFICE	Lump Sum	L.S.	
0004	0001000000-E	200	CLEARING & GRUBBING .. ACRE(S)	Lump Sum	L.S.	
0005	0008000000-E	200	SUPPLEMENTARY CLEARING & GRUB- BING	3 ACR		
0006	0022000000-E	225	UNCLASSIFIED EXCAVATION	66,000 CY		
0007	0030000000-N	SP	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (166+72.51 -L- LT)	Lump Sum	L.S.	
0008	0030000000-N	SP	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (166+72.51 -L- RT)	Lump Sum	L.S.	
0009	0030000000-N	SP	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (200+91.89 -L- LT)	Lump Sum	L.S.	
0010	0030000000-N	SP	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (200+91.89 -L- RT)	Lump Sum	L.S.	
0011	0030000000-N	SP	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (219+22.38 -L- LT)	Lump Sum	L.S.	
0012	0030000000-N	SP	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (219+22.38 -L- RT)	Lump Sum	L.S.	
0013	0030000000-N	SP	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (281+39.19 -L- LT)	Lump Sum	L.S.	
0014	0030000000-N	SP	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (281+39.19 -L- RT)	Lump Sum	L.S.	
0015	0030000000-N	SP	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (342+97.24 -L- LT)	Lump Sum	L.S.	

County: Lenoir

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0016	0030000000-N	SP	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (342+97.24 -L- RT)	Lump Sum	L.S.	
0017	0030000000-N	SP	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (364+28.98 -L- LT)	Lump Sum	L.S.	
0018	0030000000-N	SP	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (364+28.98 -L- RT)	Lump Sum	L.S.	
0019	0030000000-N	SP	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (89+28.52 -L- LT)	Lump Sum	L.S.	
0020	0030000000-N	SP	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (89+28.52 -L- RT)	Lump Sum	L.S.	
0021	0036000000-E	225	UNDERCUT EXCAVATION	47,600 CY		
0022	0106000000-E	230	BORROW EXCAVATION	3,740,000 CY		
0023	0134000000-E	240	DRAINAGE DITCH EXCAVATION	19,010 CY		
0024	0156000000-E	250	REMOVAL OF EXISTING ASPHALT PAVEMENT	36,170 SY		
0025	0192000000-N	260	PROOF ROLLING	80 HR		
0026	0195000000-E	265	SELECT GRANULAR MATERIAL	48,500 CY		
0027	0196000000-E	270	GEOTEXTILE FOR SOIL STABILIZATION	860,700 SY		
0028	0255000000-E	SP	GENERIC GRADING ITEM CLASS IV AGGREGATE STABILIZATION	500 TON		
0029	0318000000-E	300	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	3,410 TON		
0030	0320000000-E	300	FOUNDATION CONDITIONING GEOTEXTILE	10,700 SY		
0031	0342000000-E	310	*** SIDE DRAIN PIPE (36")	20 LF		

County : Lenoir

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0032	0343000000-E	310	15" SIDE DRAIN PIPE	7,196	LF	
0033	0344000000-E	310	18" SIDE DRAIN PIPE	1,264	LF	
0034	0345000000-E	310	24" SIDE DRAIN PIPE	504	LF	
0035	0350000000-E	SP	**** RC PIPE CULVERTS, CONTRACTOR DESIGN (54")	552	LF	
0036	0354000000-E	310	**** RC PIPE CULVERTS, CLASS ***** (24", V)	428	LF	
0037	0354000000-E	310	**** RC PIPE CULVERTS, CLASS ***** (36", V)	328	LF	
0038	0354000000-E	310	**** RC PIPE CULVERTS, CLASS ***** (48", V)	464	LF	
0039	0366000000-E	310	15" RC PIPE CULVERTS, CLASS III	3,180	LF	
0040	0372000000-E	310	18" RC PIPE CULVERTS, CLASS III	1,612	LF	
0041	0378000000-E	310	24" RC PIPE CULVERTS, CLASS III	1,640	LF	
0042	0384000000-E	310	30" RC PIPE CULVERTS, CLASS III	992	LF	
0043	0390000000-E	310	36" RC PIPE CULVERTS, CLASS III	2,180	LF	
0044	0396000000-E	310	42" RC PIPE CULVERTS, CLASS III	1,212	LF	
0045	0414000000-E	310	60" RC PIPE CULVERTS, CLASS III	220	LF	
0046	0420000000-E	310	66" RC PIPE CULVERTS, CLASS III	212	LF	
0047	0448000000-E	310	**** RC PIPE CULVERTS, CLASS IV (48")	320	LF	

County: Lenoir

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0048	0448000000-E	310	***** RC PIPE CULVERTS, CLASS IV (60")	120 LF		
0049	0448000000-E	310	***** RC PIPE CULVERTS, CLASS IV (66")	144 LF		
0050	0448000000-E	310	***** RC PIPE CULVERTS, CLASS IV (72")	436 LF		
0051	0448200000-E	310	15" RC PIPE CULVERTS, CLASS IV	3,276 LF		
0052	0448300000-E	310	18" RC PIPE CULVERTS, CLASS IV	748 LF		
0053	0448400000-E	310	24" RC PIPE CULVERTS, CLASS IV	956 LF		
0054	0448500000-E	310	30" RC PIPE CULVERTS, CLASS IV	300 LF		
0055	0448600000-E	310	36" RC PIPE CULVERTS, CLASS IV	572 LF		
0056	0448700000-E	310	42" RC PIPE CULVERTS, CLASS IV	292 LF		
0057	0582000000-E	310	15" CS PIPE CULVERTS, 0.064" THICK	2,356 LF		
0058	0588000000-E	310	18" CS PIPE CULVERTS, 0.064" THICK	160 LF		
0059	0594000000-E	310	24" CS PIPE CULVERTS, 0.064" THICK	236 LF		
0060	0636000000-E	310	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")	60 EA		
0061	0636000000-E	310	*** CS PIPE ELBOWS, ***** THICK (18", 0.064")	4 EA		
0062	0636000000-E	310	*** CS PIPE ELBOWS, ***** THICK (24", 0.064")	8 EA		
0063	0995000000-E	340	PIPE REMOVAL	2,462 LF		
0064	0996000000-N	350	PIPE CLEAN-OUT	2 EA		

County: Lenoir

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0065	1000000000-E	462	6" SLOPE PROTECTION	1,750 SY		
0066	1011000000-N	500	FINE GRADING	Lump Sum	L.S.	
0067	1099500000-E	505	SHALLOW UNDERCUT	4,100 CY		
0068	1099700000-E	505	CLASS IV SUBGRADE STABILIZATION	8,800 TON		
0069	1121000000-E	520	AGGREGATE BASE COURSE	137,300 TON		
0070	1220000000-E	545	INCIDENTAL STONE BASE	500 TON		
0071	1245000000-E	SP	SHOULDER RECONSTRUCTION	0.1 SMI		
0072	1275000000-E	600	PRIME COAT	4,870 GAL		
0073	1330000000-E	607	INCIDENTAL MILLING	1,000 SY		
0074	1489000000-E	610	ASPHALT CONC BASE COURSE, TYPE B25.0B	10,390 TON		
0075	1491000000-E	610	ASPHALT CONC BASE COURSE, TYPE B25.0C	9,170 TON		
0076	1498000000-E	610	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B	58,570 TON		
0077	1503000000-E	610	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	6,600 TON		
0078	1519000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	52,340 TON		
0079	1523000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	5,860 TON		
0080	1525000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A	2,330 TON		
0081	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	7,635 TON		
0082	1693000000-E	654	ASPHALT PLANT MIX, PAVEMENT REPAIR	290 TON		

County: Lenoir

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0083	1840000000-E	665	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)	113,200 LF		
0084	2022000000-E	815	SUBDRAIN EXCAVATION	1,008 CY		
0085	2026000000-E	815	GEOTEXTILE FOR SUBSURFACE DRAINS	3,000 SY		
0086	2036000000-E	815	SUBDRAIN COARSE AGGREGATE	504 CY		
0087	2044000000-E	815	6" PERFORATED SUBDRAIN PIPE	3,000 LF		
0088	2070000000-N	815	SUBDRAIN PIPE OUTLET	6 EA		
0089	2077000000-E	815	6" OUTLET PIPE	36 LF		
0090	2209000000-E	838	ENDWALLS	56.9 CY		
0091	2220000000-E	838	REINFORCED ENDWALLS	43 CY		
0092	2253000000-E	840	PIPE COLLARS	2.7 CY		
0093	2275000000-E	SP	FLOWABLE FILL	27 CY		
0094	2286000000-N	840	MASONRY DRAINAGE STRUCTURES	213 EA		
0095	2308000000-E	840	MASONRY DRAINAGE STRUCTURES	32.5 LF		
0096	2364000000-N	840	FRAME WITH TWO GRATES, STD 840.16	3 EA		
0097	2364200000-N	840	FRAME WITH TWO GRATES, STD 840.20	94 EA		
0098	2365000000-N	840	FRAME WITH TWO GRATES, STD 840.22	87 EA		
0099	2366000000-N	840	FRAME WITH TWO GRATES, STD 840.24	1 EA		
0100	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	4 EA		

County: Lenoir

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0101	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	10 EA		
0102	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	9 EA		
0103	2396000000-N	840	FRAME WITH COVER, STD 840.54	1 EA		
0104	2451000000-N	852	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	3 EA		
0105	2462000000-E	SP	*** SLUICE GATE (30")	1 EA		
0106	2462000000-E	SP	*** SLUICE GATE (36")	1 EA		
0107	2549000000-E	846	2'-6" CONCRETE CURB & GUTTER	5,040 LF		
0108	2556000000-E	846	SHOULDER BERM GUTTER	15,080 LF		
0109	2570000000-N	SP	MODIFIED CONCRETE FLUME	1 EA		
0110	2655000000-E	852	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	500 SY		
0111	2815000000-N	858	ADJUSTMENT OF DROP INLETS	3 EA		
0112	3030000000-E	862	STEEL BM GUARDRAIL	23,750 LF		
0113	3150000000-N	862	ADDITIONAL GUARDRAIL POSTS	25 EA		
0114	3210000000-N	862	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	16 EA		
0115	3287000000-N	SP	GUARDRAIL END UNITS, TYPE TL-3	31 EA		
0116	3317000000-N	862	GUARDRAIL ANCHOR UNITS, TYPE B-77	41 EA		
0117	3360000000-E	863	REMOVE EXISTING GUARDRAIL	800 LF		
0118	3389200000-E	865	CABLE GUIDERAIL	29,000 LF		

County : Lenoir

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0119	3389500000-N	865	ADDITIONAL GUIDERAIL POSTS	21 EA		
0120	3389600000-N	865	CABLE GUIDERAIL ANCHOR UNITS	34 EA		
0121	3503000000-E	866	WOVEN WIRE FENCE, 47" FABRIC	68,700 LF		
0122	3509000000-E	866	4" TIMBER FENCE POSTS, 7'-6" LONG	4,410 EA		
0123	3515000000-E	866	5" TIMBER FENCE POSTS, 8'-0" LONG	910 EA		
0124	3628000000-E	876	RIP RAP, CLASS I	605 TON		
0125	3649000000-E	876	RIP RAP, CLASS B	340 TON		
0126	3656000000-E	876	GEOTEXTILE FOR DRAINAGE	16,510 SY		
0127	4025000000-E	901	CONTRACTOR FURNISHED, TYPE *** SIGN (A)	2,098 SF		
0128	4025000000-E	901	CONTRACTOR FURNISHED, TYPE *** SIGN (B)	80 SF		
0129	4025000000-E	901	CONTRACTOR FURNISHED, TYPE *** SIGN (D)	182 SF		
0130	4025000000-E	901	CONTRACTOR FURNISHED, TYPE *** SIGN (E)	1,091 SF		
0131	4025000000-E	901	CONTRACTOR FURNISHED, TYPE *** SIGN (F)	167 SF		
0132	4025000000-E	901	CONTRACTOR FURNISHED, TYPE *** SIGN (MILEMARKER)	32 SF		
0133	4048000000-E	902	REINFORCED CONCRETE SIGN FOUN- DATIONS	7 CY		
0134	4054000000-E	902	PLAIN CONCRETE SIGN FOUNDA- TIONS	2 CY		

County : Lenoir

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0135	4057000000-E	SP	OVERHEAD FOOTING	37 CY		
0136	4060000000-E	903	SUPPORTS, BREAKAWAY STEEL BEAM	9,072 LB		
0137	4066000000-E	903	SUPPORTS, SIMPLE STEEL BEAM	761 LB		
0138	4072000000-E	903	SUPPORTS, 3-LB STEEL U-CHANNEL	260 LF		
0139	4078000000-E	903	SUPPORTS, 2-LB STEEL U-CHANNEL	12 EA		
0140	4082000000-E	903	SUPPORTS, WOOD	3,234 LF		
0141	4082100000-N	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (317+60)	Lump Sum	L.S.	
0142	4082100000-N	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (344+00)	Lump Sum	L.S.	
0143	4096000000-N	904	SIGN ERECTION, TYPE D	12 EA		
0144	4102000000-N	904	SIGN ERECTION, TYPE E	139 EA		
0145	4108000000-N	904	SIGN ERECTION, TYPE F	15 EA		
0146	4109000000-N	904	SIGN ERECTION, TYPE *** (OVERHEAD) (A)	4 EA		
0147	4110000000-N	904	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)	14 EA		
0148	4110000000-N	904	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)	2 EA		
0149	4114000000-N	904	SIGN ERECTION, MILEMARKERS	12 EA		
0150	4116100000-N	904	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)	3 EA		
0151	4152000000-N	907	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	1 EA		

County : Lenoir

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0152	4158000000-N	907	DISPOSAL OF SIGN SYSTEM, WOOD	46 EA		
0153	4400000000-E	1110	WORK ZONE SIGNS (STATIONARY)	4,690 SF		
0154	4405000000-E	1110	WORK ZONE SIGNS (PORTABLE)	384 SF		
0155	4410000000-E	1110	WORK ZONE SIGNS (BARRICADE MOUNTED)	624 SF		
0156	4415000000-N	1115	FLASHING ARROW BOARD	6 EA		
0157	4420000000-N	1120	PORTABLE CHANGEABLE MESSAGE SIGN	2 EA		
0158	4422000000-N	1120	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)	137 DAY		
0159	4430000000-N	1130	DRUMS	1,165 EA		
0160	4445000000-E	1145	BARRICADES (TYPE III)	1,048 LF		
0161	4450000000-N	1150	FLAGGER	3,280 HR		
0162	4465000000-N	1160	TEMPORARY CRASH CUSHIONS	2 EA		
0163	4480000000-N	1165	TMA	2 EA		
0164	4485000000-E	1170	PORTABLE CONCRETE BARRIER	1,699 LF		
0165	4510000000-N	SP	LAW ENFORCEMENT	576 HR		
0166	4650000000-N	1251	TEMPORARY RAISED PAVEMENT MARKERS	180 EA		
0167	4686000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)	41 LF		
0168	4688000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)	159,347 LF		
0169	4690000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)	26,982 LF		
0170	4700000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)	8,859 LF		

County : Lenoir

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0171	4702000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (12", 120 MILS)	3,459 LF		
0172	4710000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)	168 LF		
0173	4721000000-E	1205	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)	4 EA		
0174	4725000000-E	1205	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	73 EA		
0175	4810000000-E	1205	PAINT PAVEMENT MARKING LINES (4")	299,714 LF		
0176	4815000000-E	1205	PAINT PAVEMENT MARKING LINES (6")	195,859 LF		
0177	4820000000-E	1205	PAINT PAVEMENT MARKING LINES (8")	2,244 LF		
0178	4825000000-E	1205	PAINT PAVEMENT MARKING LINES (12")	13,194 LF		
0179	4835000000-E	1205	PAINT PAVEMENT MARKING LINES (24")	890 LF		
0180	4840000000-N	1205	PAINT PAVEMENT MARKING CHARACTER	4 EA		
0181	4845000000-N	1205	PAINT PAVEMENT MARKING SYMBOL	79 EA		
0182	4847100000-E	1205	POLYUREA PAVEMENT MARKING LINES (6", *****) (HIGHLY REFLECTIVE MEDIA)	9,492 LF		
0183	4847120000-E	1205	POLYUREA PAVEMENT MARKING LINES (12", *****) (HIGHLY REFLECTIVE MEDIA)	914 LF		
0184	4850000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (4")	320 LF		
0185	4860000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (8")	115 LF		
0186	4875000000-N	1205	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	2 EA		

County: Lenoir

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0187	4890000000-E	SP	GENERIC PAVEMENT MARKING ITEM EPOXY PAVEMENT MARKING LINES, (BLACK) 6"	825 LF		
0188	4900000000-N	1251	PERMANENT RAISED PAVEMENT MARKERS	112 EA		
0189	4905000000-N	1253	SNOWPLOWABLE PAVEMENT MARKERS	1,626 EA		
0190	6000000000-E	1605	TEMPORARY SILT FENCE	235,000 LF		
0191	6006000000-E	1610	STONE FOR EROSION CONTROL, CLASS A	4,450 TON		
0192	6009000000-E	1610	STONE FOR EROSION CONTROL, CLASS B	24,192 TON		
0193	6012000000-E	1610	SEDIMENT CONTROL STONE	41,200 TON		
0194	6015000000-E	1615	TEMPORARY MULCHING	412.5 ACR		
0195	6018000000-E	1620	SEED FOR TEMPORARY SEEDING	15,000 LB		
0196	6021000000-E	1620	FERTILIZER FOR TEMPORARY SEED- ING	76.5 TON		
0197	6024000000-E	1622	TEMPORARY SLOPE DRAINS	39,000 LF		
0198	6029000000-E	SP	SAFETY FENCE	18,000 LF		
0199	6030000000-E	1630	SILT EXCAVATION	144,000 CY		
0200	6036000000-E	1631	MATTING FOR EROSION CONTROL	477,350 SY		
0201	6037000000-E	SP	COIR FIBER MAT	1,550 SY		
0202	6038000000-E	SP	PERMANENT SOIL REINFORCEMENT MAT	2,000 SY		
0203	6042000000-E	1632	1/4" HARDWARE CLOTH	7,800 LF		
0204	6043000000-E	SP	LOW PERMEABILITY GEOTEXTILE	3,250 SY		
0205	6046000000-E	1636	TEMPORARY PIPE FOR STREAM CROSSING	300 LF		

County: Lenoir

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0206	6069000000-E	1638	STILLING BASINS	117 CY		
0207	6070000000-N	1639	SPECIAL STILLING BASINS	68 EA		
0208	6071012000-E	SP	COIR FIBER WATTLE	32,700 LF		
0209	6071020000-E	SP	POLYACRYLAMIDE (PAM)	17,150 LB		
0210	6071030000-E	1640	COIR FIBER BAFFLE	41,900 LF		
0211	6071050000-E	SP	*** SKIMMER (1-1/2")	10 EA		
0212	6071050000-E	SP	*** SKIMMER (2")	9 EA		
0213	6071050000-E	SP	*** SKIMMER (2-1/2")	4 EA		
0214	6071050000-E	SP	*** SKIMMER (3")	2 EA		
0215	6071050000-E	SP	*** SKIMMER (4")	1 EA		
0216	6084000000-E	1660	SEEDING & MULCHING	350 ACR		
0217	6087000000-E	1660	MOWING	400 ACR		
0218	6090000000-E	1661	SEED FOR REPAIR SEEDING	3,950 LB		
0219	6093000000-E	1661	FERTILIZER FOR REPAIR SEEDING	22.75 TON		
0220	6096000000-E	1662	SEED FOR SUPPLEMENTAL SEEDING	11,325 LB		
0221	6108000000-E	1665	FERTILIZER TOPDRESSING	339.25 TON		
0222	6111000000-E	SP	IMPERVIOUS DIKE	188 LF		
0223	6114500000-N	1667	SPECIALIZED HAND MOWING	270 MHR		
0224	6117000000-N	SP	RESPONSE FOR EROSION CONTROL	150 EA		

County : Lenoir

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0225	6120000000-E	SP	CULVERT DIVERSION CHANNEL	3,156 CY		
0226	6123000000-E	1670	REFORESTATION	5 ACR		
0227	6132000000-N	SP	GENERIC EROSION CONTROL ITEM CONCRETE WASHOUT STRUCTURE	20 EA		
0228	7948000000-N	1757	TRAFFIC SIGNAL REMOVAL	1 EA		
0229	7990000000-E	SP	GENERIC SIGNAL ITEM BACK PULL FIBER OPTIC CABLE	3,700 LF		
0277	0255000000-E	SP	GENERIC GRADING ITEM HAULING & DISPOSAL OF PETRO- LEUM CONTAMINATED SOIL	50 TON		

CULVERT ITEMS

0230	8126000000-N	414	CULVERT EXCAVATION, STA ***** (67+55.47-L-)	Lump Sum	L.S.	
0231	8133000000-E	414	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT	70 TON		
0232	8196000000-E	420	CLASS A CONCRETE (CULVERT)	82 CY		
0233	8245000000-E	425	REINFORCING STEEL (CULVERT)	14,027 LB		

STRUCTURE ITEMS

0234	8017000000-N	SP	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (219+22.38-L-)	Lump Sum	L.S.	
0235	8084000000-N	410	FOUNDATION EXCAVATION FOR END BENT ** AT STATION ***** (1, 342+97.24-L-) LT LANE	Lump Sum	L.S.	

County : Lenoir

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0236	8084000000-N	410	FOUNDATION EXCAVATION FOR END BENT ** AT STATION ***** (1,342+97.24-L-) RT LANE	Lump Sum	L.S.	
0237	8084000000-N	410	FOUNDATION EXCAVATION FOR END BENT ** AT STATION ***** (1,364+28.98-L-) LT LANE	Lump Sum	L.S.	
0238	8084000000-N	410	FOUNDATION EXCAVATION FOR END BENT ** AT STATION ***** (1,364+28.98-L-) RT LANE	Lump Sum	L.S.	
0239	8096000000-E	450	PILE EXCAVATION IN SOIL	480 LF		
0240	8112730000-N	450	PDA TESTING	16 EA		
0241	8147000000-E	420	REINFORCED CONCRETE DECK SLAB	162,855 SF		
0242	8161000000-E	420	GROOVING BRIDGE FLOORS	164,988 SF		
0243	8182000000-E	420	CLASS A CONCRETE (BRIDGE)	1,913 CY		
0244	8210000000-N	422	BRIDGE APPROACH SLABS, STATION ***** (166+72.51-L-) LT LANE	Lump Sum	L.S.	
0245	8210000000-N	422	BRIDGE APPROACH SLABS, STATION ***** (166+72.51-L-) RT LANE	Lump Sum	L.S.	
0246	8210000000-N	422	BRIDGE APPROACH SLABS, STATION ***** (200+91.89-L-) LT LANE	Lump Sum	L.S.	
0247	8210000000-N	422	BRIDGE APPROACH SLABS, STATION ***** (200+91.89-L-) RT LANE	Lump Sum	L.S.	
0248	8210000000-N	422	BRIDGE APPROACH SLABS, STATION ***** (219+22.38-L-) LT LANE	Lump Sum	L.S.	
0249	8210000000-N	422	BRIDGE APPROACH SLABS, STATION ***** (219+22.38-L-) RT LANE	Lump Sum	L.S.	
0250	8210000000-N	422	BRIDGE APPROACH SLABS, STATION ***** (281+39.19-L-) LT LANE	Lump Sum	L.S.	

County: Lenoir

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0251	8210000000-N	422	BRIDGE APPROACH SLABS, STATION ***** (281+39.19-L-) RT LANE	Lump Sum	L.S.	
0252	8210000000-N	422	BRIDGE APPROACH SLABS, STATION ***** (342+97.24-L-) RT LANE	Lump Sum	L.S.	
0253	8210000000-N	422	BRIDGE APPROACH SLABS, STATION ***** (342+97.24-L-) LT LANE	Lump Sum	L.S.	
0254	8210000000-N	422	BRIDGE APPROACH SLABS, STATION ***** (364+28.98-L-) LT LANE	Lump Sum	L.S.	
0255	8210000000-N	422	BRIDGE APPROACH SLABS, STATION ***** (364+28.98-L-) RT LANE	Lump Sum	L.S.	
0256	8210000000-N	422	BRIDGE APPROACH SLABS, STATION ***** (89+28.52-L-) LT LANE	Lump Sum	L.S.	
0257	8210000000-N	422	BRIDGE APPROACH SLABS, STATION ***** (89+28.52-L-) RT LANE	Lump Sum	L.S.	
0258	8217000000-E	425	REINFORCING STEEL (BRIDGE)	286,974 LB		
0259	8238000000-E	425	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)	4,754 LB		
0260	8265000000-E	430	54" PRESTRESSED CONCRETE GIR- DERS	2,008.76 LF		
0261	8274000000-E	430	MODIFIED 63" PRESTRESSED CONC GIRDERS	12,741.23 LF		
0262	8277000000-E	430	MODIFIED 72" PRESTRESSED CONC GIRDERS	1,158.96 LF		
0263	8280000000-E	440	APPROX LBS STRUCTURAL STEEL	530,100 LS		
0264	8328000000-E	SP	PILE DRIVING EQUIPMENT SETUP FOR *** PRESTRESSED CONCRETE PILES (24")	136 EA		

County: Lenoir

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0265	8328200000-E	SP	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP12X53)	332 EA		
0266	8350000000-E	450	24" PRESTRESSED CONCRETE PILES	6,200 LF		
0267	8364000000-E	450	HP12X53 STEEL PILES	17,126 LF		
0268	8391000000-N	450	STEEL PILE POINTS	176 EA		
0269	8392500000-E	450	PREDRILLING FOR PILES	3,731 LF		
0270	8393000000-N	450	PILE REDRIVES	263 EA		
0271	8503000000-E	460	CONCRETE BARRIER RAIL	7,233.78 LF		
0272	8531000000-E	462	4" SLOPE PROTECTION	7,633 SY		
0273	8608000000-E	876	RIP RAP CLASS II (2'-0" THICK)	2,498 TON		
0274	8622000000-E	876	GEOTEXTILE FOR DRAINAGE	2,775 SY		
0275	8657000000-N	430	ELASTOMERIC BEARINGS	Lump Sum	L.S.	
0276	8706000000-N	SP	EXPANSION JOINT SEALS	Lump Sum	L.S.	
1158/Dec01/Q8581019.63/D1074552362000/E277			Total Amount Of Bid For Entire Project :			

GEOENVIRONMENTAL ENGINEER

ENGINEER



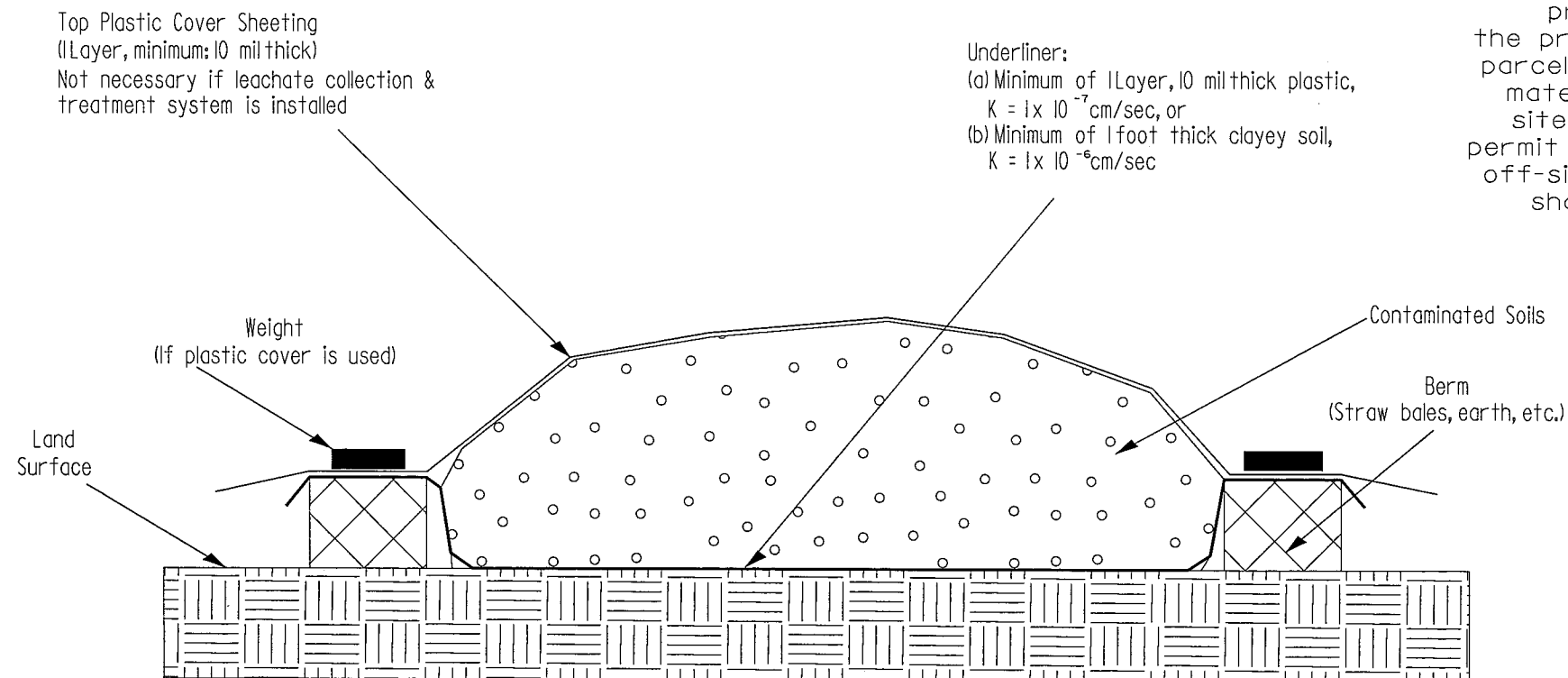
Designed by
Cyrus Parker 11/15/2017

DATE

DATE

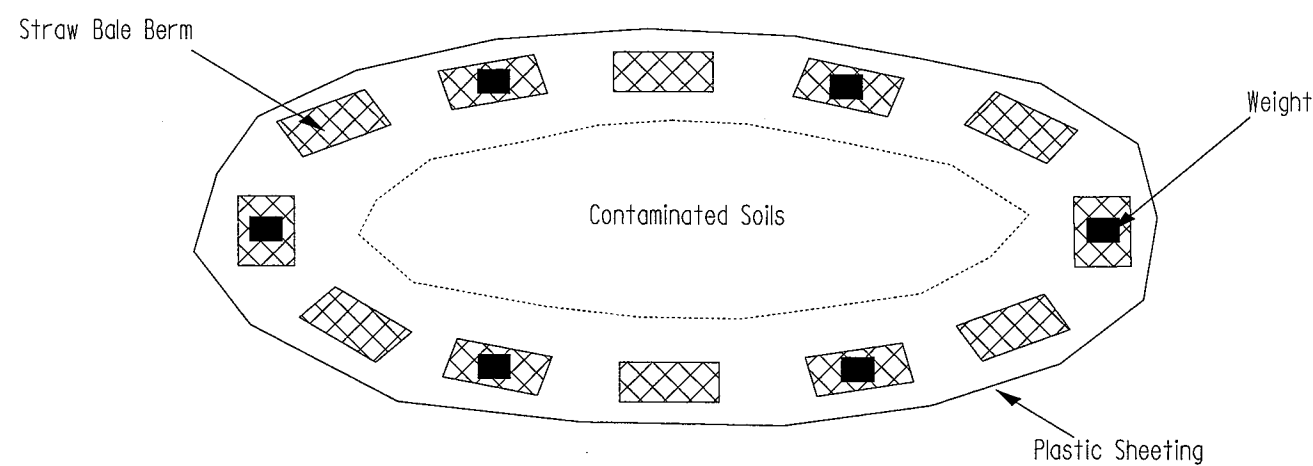
Detail for Temporary Containment of Contaminated Soil

Cross-Section View



NOTE:
The Contractor shall stockpile all contaminated soil excavated from a property in a location within the property boundaries of the source parcel. If the volume of contaminated material exceeds available space on site, the Contractor shall obtain a permit from the NCDEQ UST Section for off-site temporary storage. Stockpile shall be removed within 45 days.

Map View



PREPARED BY:	DATE:
REVIEWED BY:	DATE:

GEOTECHNICAL ENGINEERING UNIT

EASTERN REGIONAL OFFICE
 WESTERN REGIONAL OFFICE
 CONTRACT OFFICE

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

STOCKPILE CONTAINMENT DETAIL

REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		

CARYL TEUBERS

COMPUTED BY: SUNGATE DESIGN GROUP DATE: 8/1/2017
CHECKED BY: MICHAEL BAKER ENGINEERING DATE: 8/14/2017

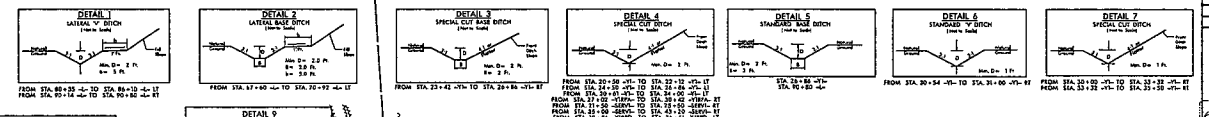
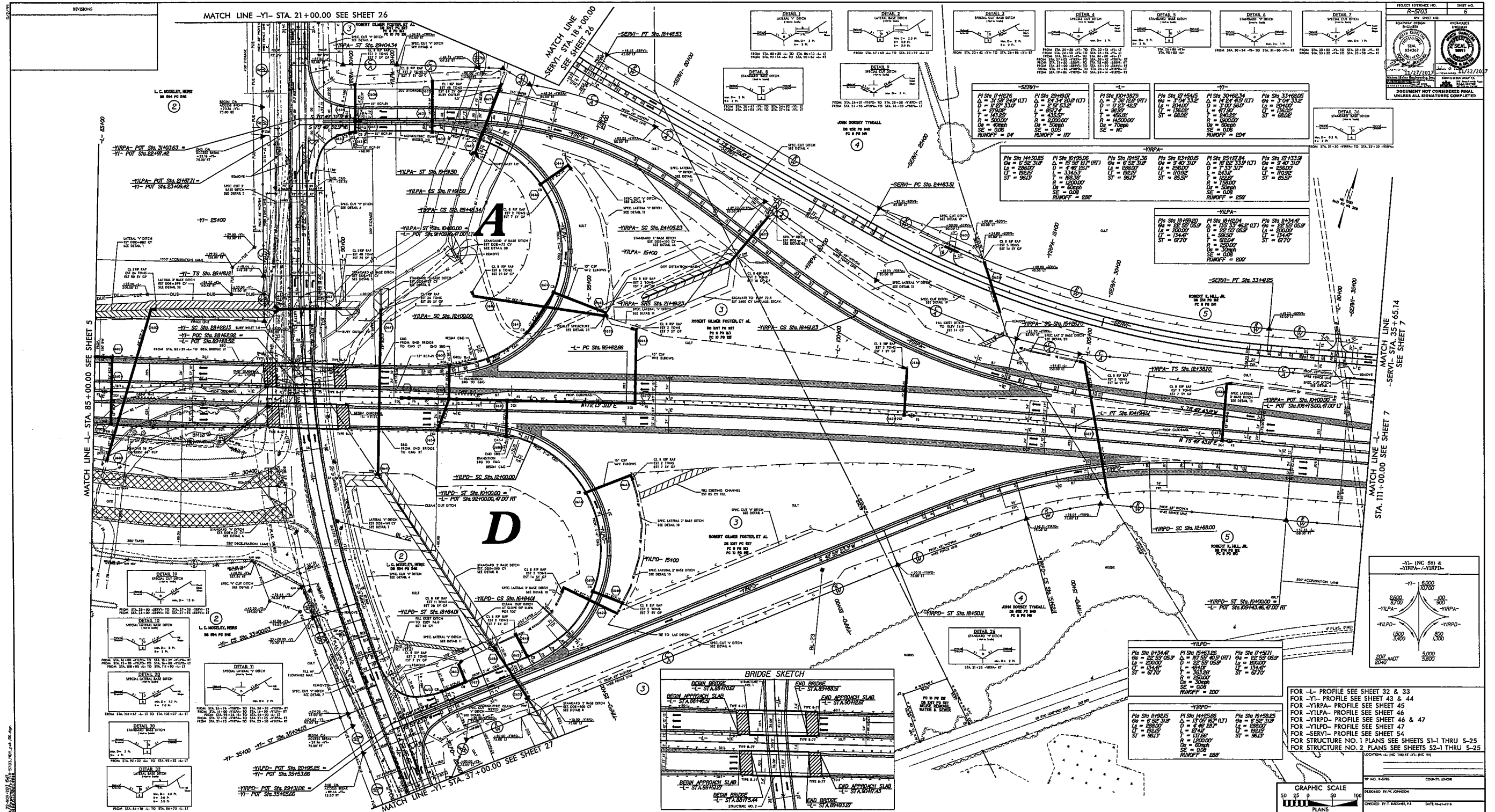
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO. R-5703 SHEET NO. 3D-11

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout. See "Standard Specifications For Roads and Structures, Section 300-5".

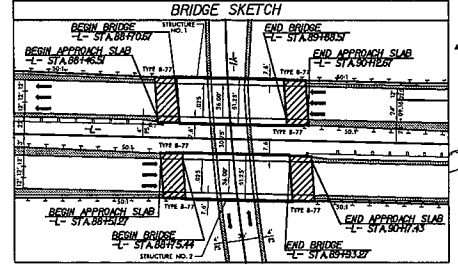
LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)

Table with columns for Line & Station, Offset, Structure Number, Invert Elevation, Pipe Type (Side Drain Pipe, C.S. Pipe, R.C. Pipe Class III, IV, V), Endwalls, Drainage Structure, Quantities for Drainage Structures, Frame, Grates, and Hood, Concrete, Grate Type, Pipe Removal, and Remarks. Includes summary rows for SHEET TOTALS and PROJECT TOTALS.



-SERV-		-L-		-YIRPA-	
PI STA 1141276	PI STA 1141276	PI STA 10043670	PI STA 10145415	PI STA 3046234	PI STA 3116825
GA = 3.50' 3/8"	GA = 3.50' 3/8"	GA = 3.50' 3/8"	GA = 3.50' 3/8"	GA = 3.50' 3/8"	GA = 3.50' 3/8"
D = 17.50'	D = 17.50'	D = 17.50'	D = 17.50'	D = 17.50'	D = 17.50'
L = 13.25'	L = 13.25'	L = 13.25'	L = 13.25'	L = 13.25'	L = 13.25'
IT = 13.25'	IT = 13.25'	IT = 13.25'	IT = 13.25'	IT = 13.25'	IT = 13.25'
R = 1500.00'	R = 1500.00'	R = 1500.00'	R = 1500.00'	R = 1500.00'	R = 1500.00'
SE = 0.00'	SE = 0.00'	SE = 0.00'	SE = 0.00'	SE = 0.00'	SE = 0.00'
RUNOFF = 84'	RUNOFF = 107'	RUNOFF = 288'	RUNOFF = 254'	RUNOFF = 254'	RUNOFF = 254'

-YIRPA-		-YIRPD-	
PI STA 1141276	PI STA 1141276	PI STA 1141276	PI STA 1141276
GA = 3.50' 3/8"	GA = 3.50' 3/8"	GA = 3.50' 3/8"	GA = 3.50' 3/8"
D = 17.50'	D = 17.50'	D = 17.50'	D = 17.50'
L = 13.25'	L = 13.25'	L = 13.25'	L = 13.25'
IT = 13.25'	IT = 13.25'	IT = 13.25'	IT = 13.25'
R = 1500.00'	R = 1500.00'	R = 1500.00'	R = 1500.00'
SE = 0.00'	SE = 0.00'	SE = 0.00'	SE = 0.00'
RUNOFF = 84'	RUNOFF = 107'	RUNOFF = 288'	RUNOFF = 254'



FOR -L- PROFILE SEE SHEET 32 & 33
 FOR -YI- PROFILE SEE SHEET 43 & 44
 FOR -YIRPA- PROFILE SEE SHEET 45
 FOR -YIRPD- PROFILE SEE SHEET 46 & 47
 FOR -SERV- PROFILE SEE SHEET 54
 FOR STRUCTURE NO. 1 PLANS SEE SHEETS S1-1 THRU S-25
 FOR STRUCTURE NO. 2 PLANS SEE SHEETS S2-1 THRU S-25

GRAPHIC SCALE
0 25 50 100
PLANS

DESIGNED BY: W. JOHNSON
 CHECKED BY: M. BUCHHEIT, P.E.
 DATE: 10-21-2014

PROJECT REFERENCE NO. R-2703
 SHEET NO. 6

ROADWAY DESIGN
 11/17/2014

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

8/17/09

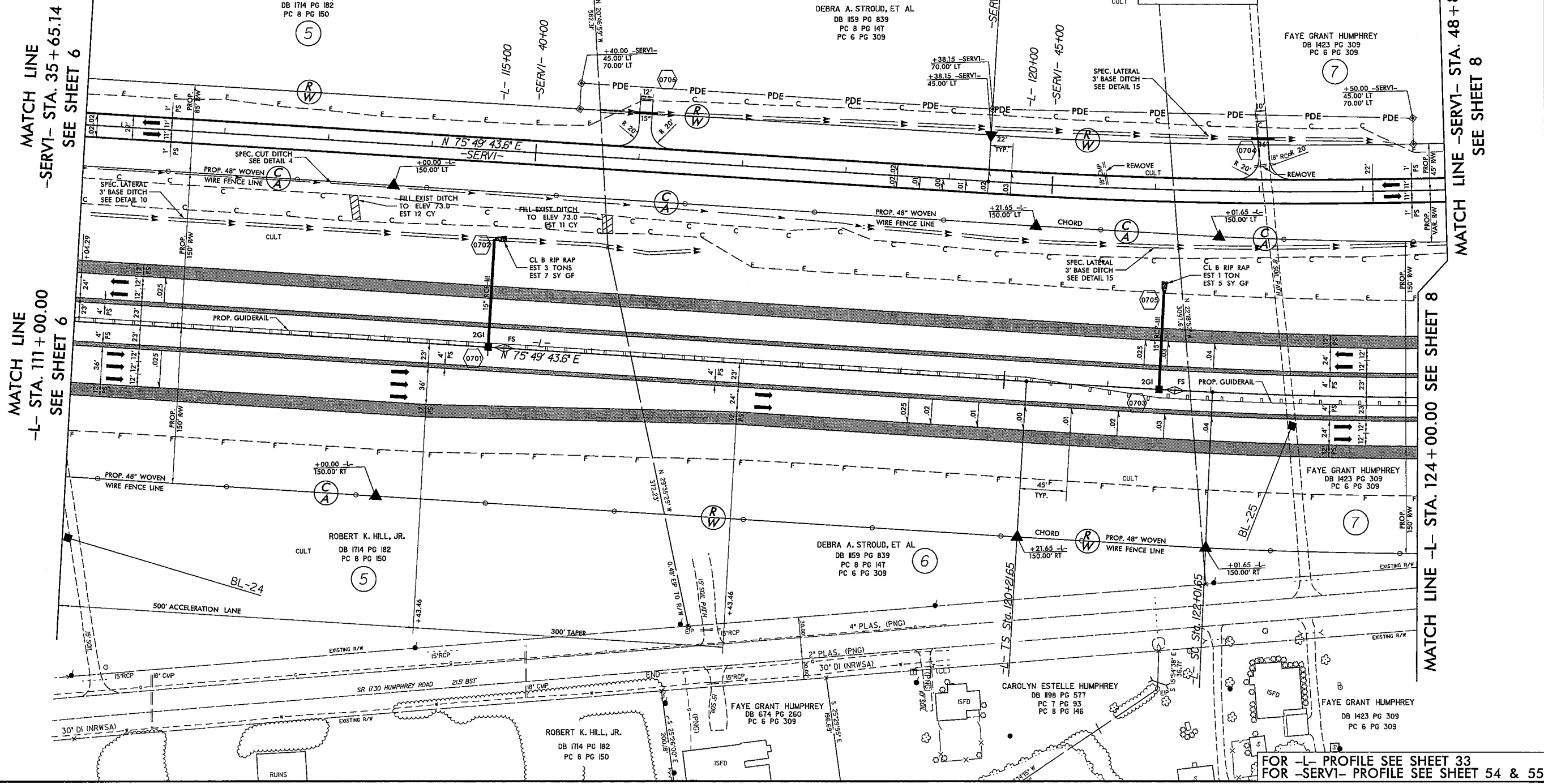
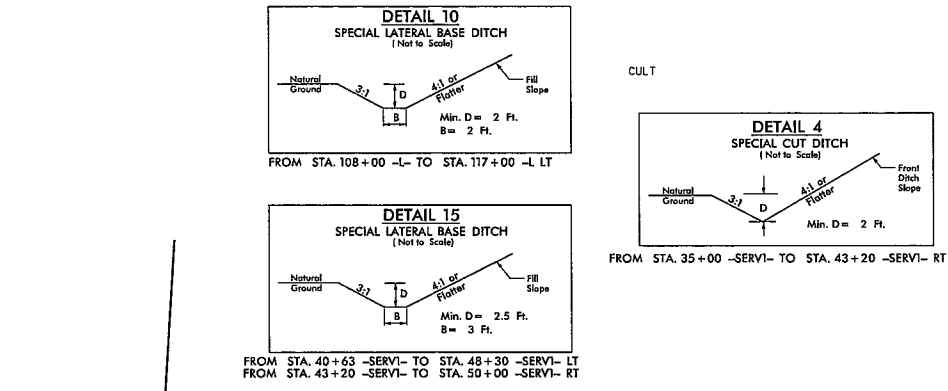
PROJECT REFERENCE NO. R-5703	SHEET NO. 7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER SEAL 034367 MICHAEL BAKER ENGINEERING, INC. 10000 RAINBOW BLVD Raleigh, NC 27615 Tel: 919.876.2751 Fax: 919.876.2752 www.mbakergroup.com	HYDRAULICS ENGINEER SEAL 26971 SUNGATE DESIGN GROUP, P.A. 915 Jones Franklin Road Raleigh, NC 27608 Tel: 919.876.2751 Fax: 919.876.2752 www.sungatedesign.com
11/27/2017	11/27/2017
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

-L-

Pls Sta 121+41.66 @s = 1'01" 16.0" Ls = 180.00' LT = 120.00' ST = 60.00'	Pl Sta 124+75.49 Δ = 6'12" 27.6" (LT) D = 1'08" 04.5" L = 547.14' T = 273.84' Rs = 5,050.00' Ds = 70mph SE = 0.04 RUNOFF = 180'	Pls Sta 128+08.79 @s = 1'01" 16.0" Ls = 180.00' LT = 120.00' ST = 60.00'
--	---	--

-SERVI-

Pl Sta 47+87.93 Δ = 8'14" 59.6" (LT) D = 1'10" 52.9" L = 698.34' T = 349.77' Rs = 4,850.00' Ds = 50mph SE = 0.06 RUNOFF = 132'
--



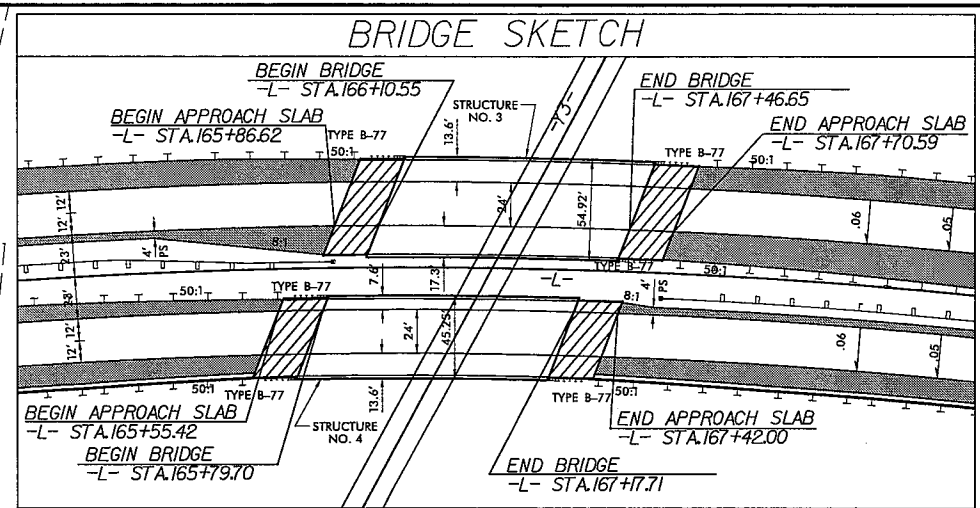
FOR -L- PROFILE SEE SHEET 33
FOR -SERVI- PROFILE SEE SHEET 54 & 55

27 NOV-2017 09:25
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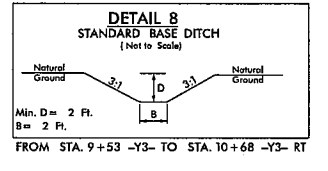
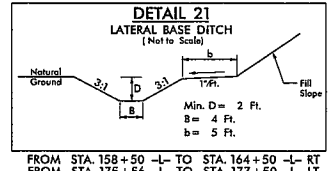
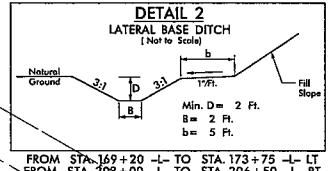
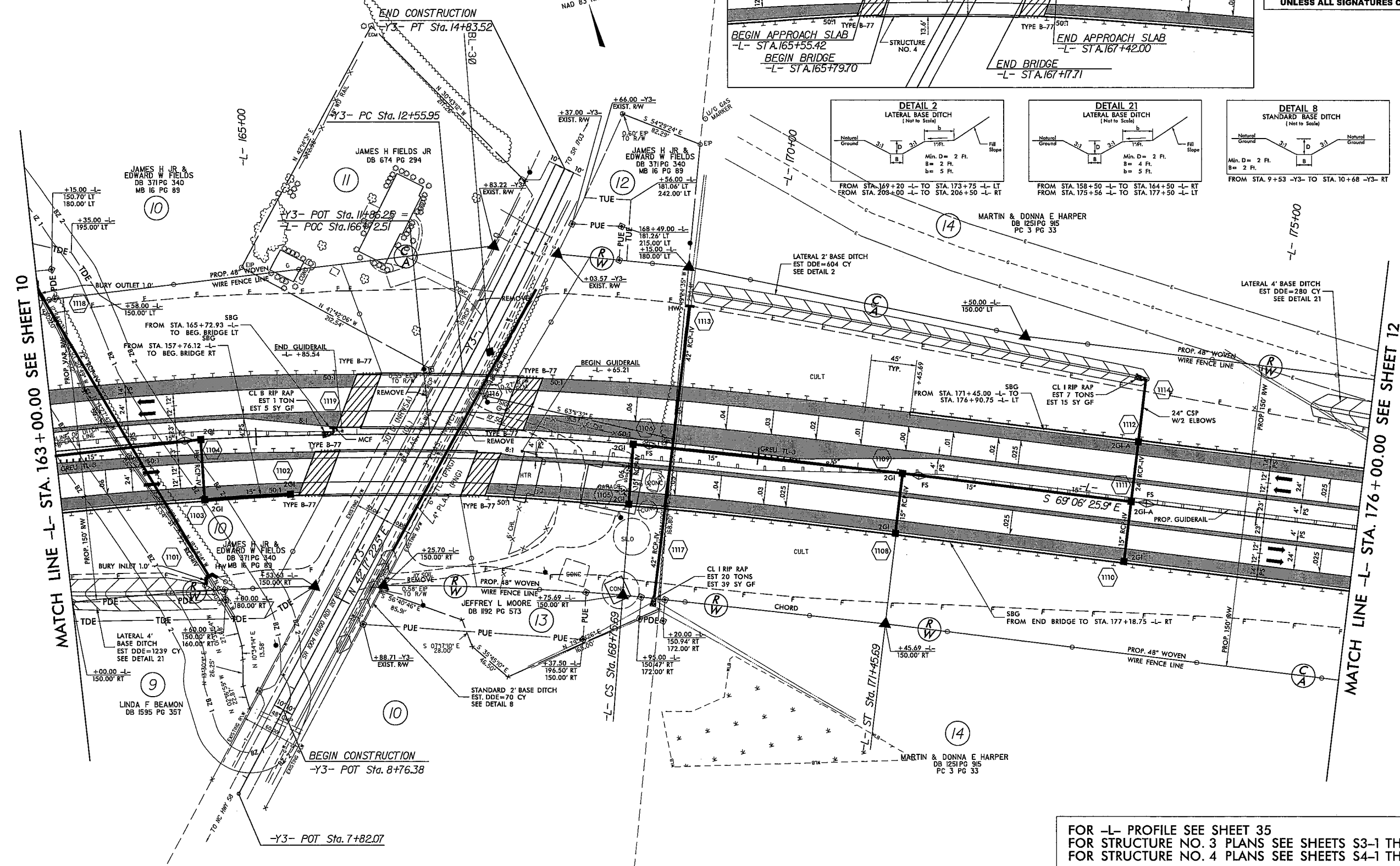
8/17/99

-L-		
PI Sta 146+74.40	PI Sta 158+61.41	PI Sta 169+65.70
Os = 2' 27" 19.9"	Δ = 38' 24" 10.2" (RT)	Os = 2' 27" 19.9"
Ls = 270.00'	D = 1' 49" 08.1"	Ls = 270.00'
LT = 180.02'	L = 211.31'	LT = 180.02'
ST = 90.02'	T = 1,097.03'	ST = 90.02'
	R = 3,150.00'	
	Ds = 70mph	
	SE = 0.06	
	RUNOFF = 270'	

-Y3-
PI Sta 13+12.84
Δ = 1' 39" 16.3" (LT)
D = 1' 27" 15.1"
L = 113.78'
T = 56.89'
R = 3,940.00'
Ds = 55mph
SE = EXIST



PROJECT REFERENCE NO. R-5703	SHEET NO. 11
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
Michael Baker Engineering, Inc. 11/23/2017	SUNGATE DESIGN GROUP, P.A. 11/21/2017
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



REVISIONS

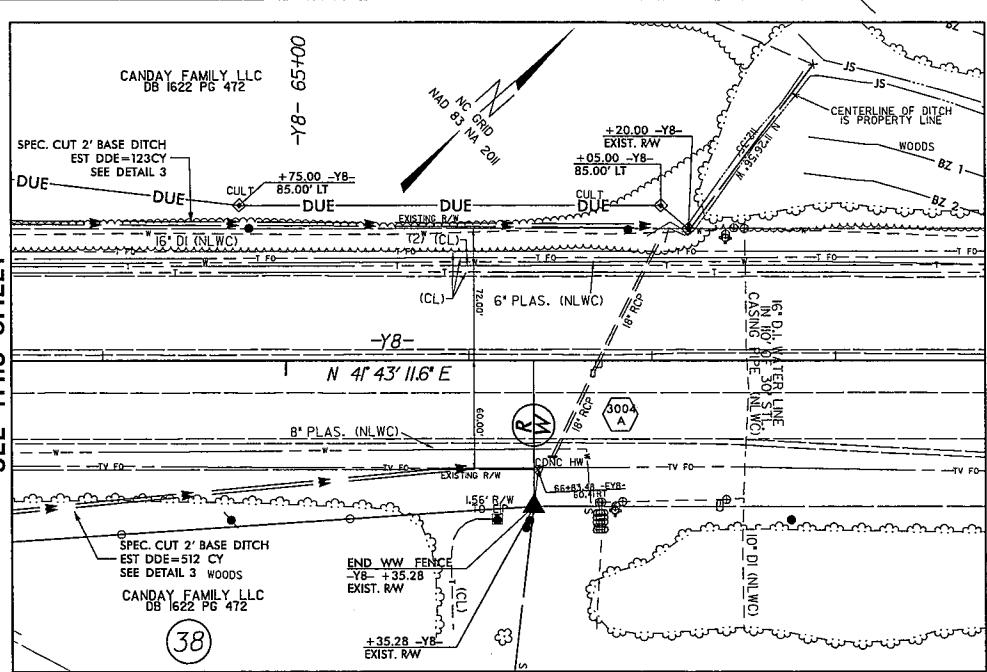
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FOR -L- PROFILE SEE SHEET 35
 FOR STRUCTURE NO. 3 PLANS SEE SHEETS S3-1 THRU S-34
 FOR STRUCTURE NO. 4 PLANS SEE SHEETS S4-1 THRU S-31

8/17/09

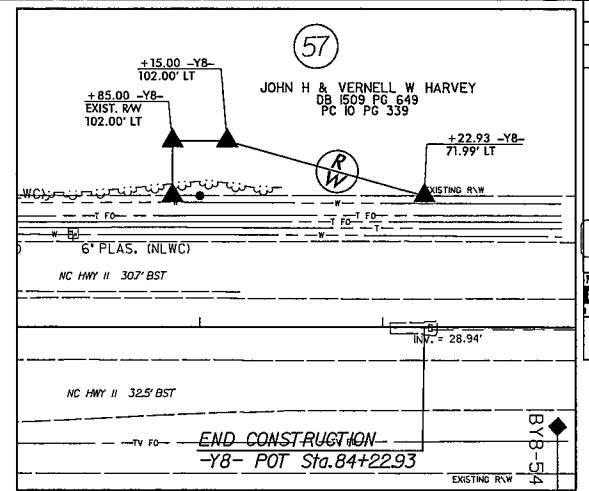
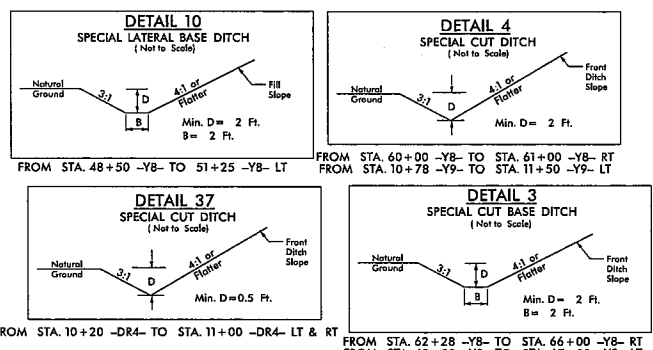
MATCH LINE -Y8- STA. 63 + 50.00
SEE THIS SHEET

MATCH LINE -Y8- STA. 49 + 00.00 SEE SHEET 25



-Y8-

Pls Sta 50+24.6 $\Delta s = 3' 06'' 42.3''$ $Ls = 252.00'$ $Lt = 168.03'$ $ST = 84.02'$	Pl Sta 52+76.6 $\Delta s = 8' 17'' 05.4'' (LT)$ $D = 2' 28'' 10.7''$ $L = 335.47'$ $T = 168.03'$ $R = 2,320.00'$ $Ds = 65mph$ $SE = 0.06$ $RUNOFF = 252'$	Pls Sta 55+27.63 $\Delta s = 3' 06'' 42.3''$ $Ls = 252.00'$ $Lt = 168.03'$ $ST = 84.02'$
---	---	--



PROJECT REFERENCE NO. **R-5703** SHEET NO. **30**

R/W SHEET NO.

ROADWAY DESIGN ENGINEER: JOHN H. & VERNELL W. HARVEY, DB 1509 PG. 649, PC 10 PG. 339

HYDRAULICS ENGINEER: MICHAEL BAKER ENGINEERING, INC., DB 1595 PG. 546, PC 10 PG. 339

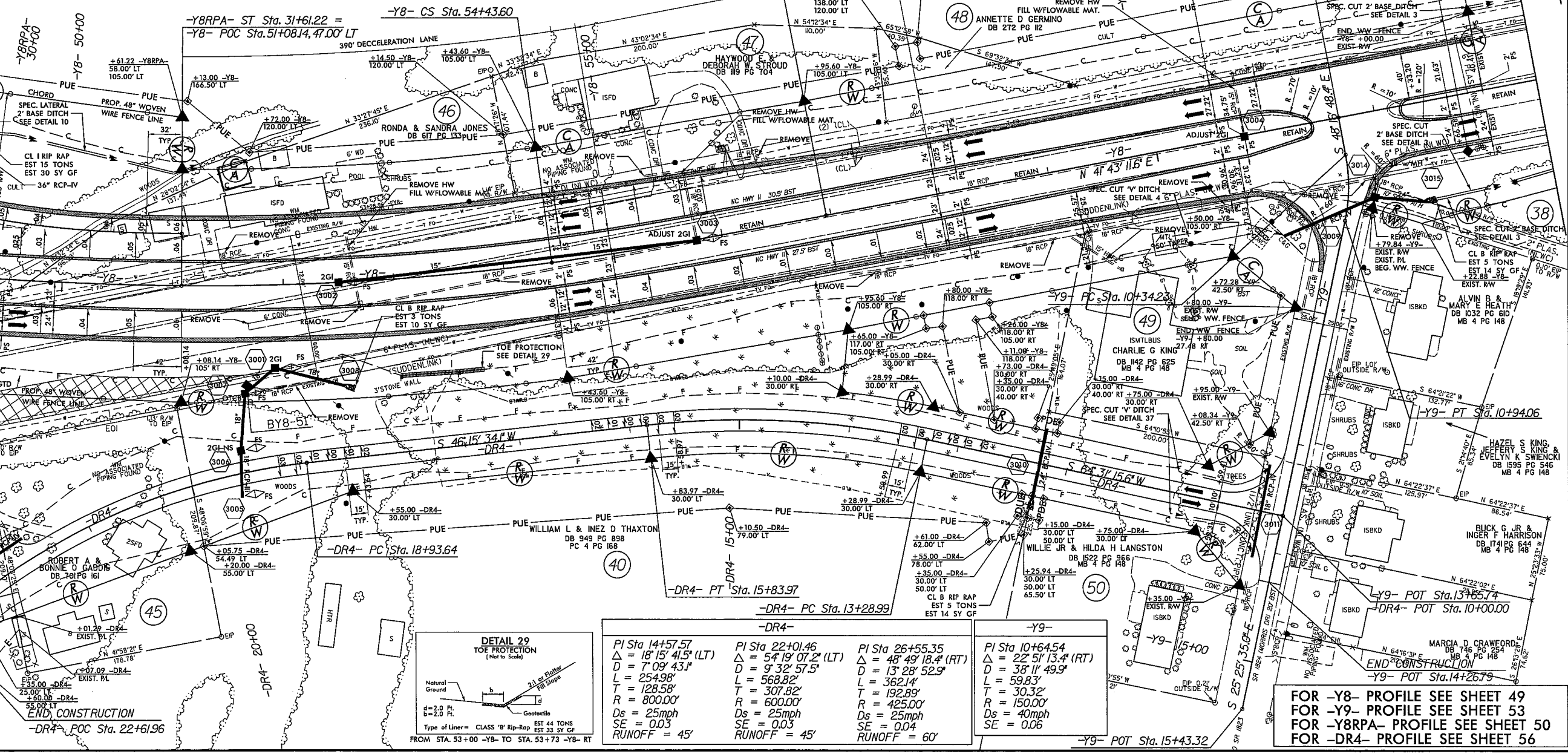
Professional Engineer Seals for North Carolina (034367) and Professional Engineer Seal for North Carolina (26971).

Michael Baker Engineering, Inc. (Professional Engineer License: 034367, International License: P-1884)

SUNGATE DESIGN GROUP, P.A. (Professional Engineer License: 26971, International License: NC CDA No. C-289)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

MATCH LINE -Y8- STA. 49 + 00.00 SEE SHEET 25



-Y8- ST Sta. 56+95.60

-Y8- CS Sta. 54+43.60

-Y8RPA- ST Sta. 31+61.22 =
-Y8- POC Sta. 51+08.14, 47.00' LT

-DR4- PC Sta. 13+28.99

-DR4- PT Sta. 15+83.97

-DR4- PC Sta. 18+93.64

-DR4- PT Sta. 15+83.97

-DR4- PC Sta. 13+28.99

-Y9- POT Sta. 10+94.06

-Y9- POT Sta. 10+00.00

-Y9- POT Sta. 13+65.74

-Y9- POT Sta. 10+00.00

-Y9- POT Sta. 14+26.79

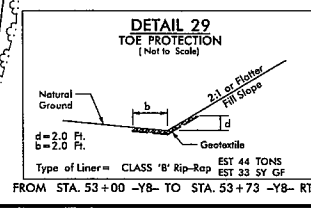
-Y9- POT Sta. 15+43.32

-Y8-

PI Sta 14+57.57 $\Delta = 18' 15'' 41.5'' (LT)$ $D = 7' 09'' 43.1''$ $L = 254.98'$ $T = 128.58'$ $R = 800.00'$ $Ds = 25mph$ $SE = 0.03$ $RUNOFF = 45'$	PI Sta 22+01.46 $\Delta = 54' 19'' 07.2'' (LT)$ $D = 9' 32'' 57.5''$ $L = 568.82'$ $T = 307.82'$ $R = 600.00'$ $Ds = 25mph$ $SE = 0.03$ $RUNOFF = 45'$	PI Sta 26+55.35 $\Delta = 48' 49'' 18.4'' (RT)$ $D = 13' 28'' 52.9''$ $L = 362.14'$ $T = 192.89'$ $R = 425.00'$ $Ds = 40mph$ $SE = 0.04$ $RUNOFF = 60'$
--	--	---

-Y9-

PI Sta 10+64.54 $\Delta = 22' 51'' 13.4'' (RT)$ $D = 38' 11'' 49.9''$ $L = 59.83'$ $T = 30.32'$ $R = 150.00'$ $Ds = 40mph$ $SE = 0.06$



FOR -Y8- PROFILE SEE SHEET 49
 FOR -Y9- PROFILE SEE SHEET 53
 FOR -Y8RPA- PROFILE SEE SHEET 50
 FOR -DR4- PROFILE SEE SHEET 56

21-NOV-2017 16:18 P:\Projects\2017\1618\1618-5703.RD\..._pah_30.dgn

GENERAL NOTES

PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-1B

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRABLE OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLAN OR DIRECTED BY THE ENGINEER.

TIME RESTRICTIONS

A) DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
NC 58, NC 11	6:00 A.M.- 8:30 A.M. MONDAY THRU FRIDAY

B) DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

ROAD NAME
NC 58, NC 11

HOLIDAY

- 1) FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- 2) FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 A.M. DECEMBER 31ST TO 8:30 A.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 8:30 A.M. THE FOLLOWING TUESDAY.
- 3) FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 8:30 A.M. MONDAY.
- 4) FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 8:30 A.M. TUESDAY.
- 5) FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 8:30 A.M. THE DAY AFTER INDEPENDENCE DAY. IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY; THEN BETWEEN THE HOURS OF 6:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 8:30 A.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- 6) FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 8:30 A.M. TUESDAY.
- 7) FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 8:30 A.M. MONDAY.
- 8) FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 8:30 A.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

C) TEMPORARY ROAD CLOSURES ARE NOT ALLOWED EXCEPT AT THE SPECIFIC TIMES STATED IN THE PLANS OR DIRECTED BY THE ENGINEER.

D) NOTE NOT USED. HAULING NOTE REMOVED.

E) DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF TRAFFIC OF AN OPEN TRAVELWAY UNLESS THE HAULING OPERATION IS PROTECTED BY BARRIER OR GUARDRAIL OR AS DIRECTED BY THE ENGINEER.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- F) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.
 - G) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
 - H) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- I) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRANSPORTATION MANAGEMENT PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
 - J) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.

PAVEMENT EDGE DROP OFF REQUIREMENTS

- K) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPEN TRAVEL LANE THAT HAS A DROP-OFF AS FOLLOWS:
 - BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.
 - BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.
 - BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.
- L) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (WB-11) 500 FT IN ADVANCE AND A MINIMUM OF ONCE EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

I:\20\2017\TrafficControl\TCP\TMP\PLAN SHEETS\R-5703 TMP OIB GENERAL NOTES.dgn
R:\TrafficControl\TCP\TMP\PLAN SHEETS\R-5703 TMP OIB GENERAL NOTES.dgn
birgit.mackenzie

<p>Michael Baker INTERNATIONAL 8000 Regency Parkway, Suite 600, Cary, NC 27518 Phone: (919) 463-5488 MBAKERINTL.COM</p>	<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		<p>GENERAL NOTES</p>
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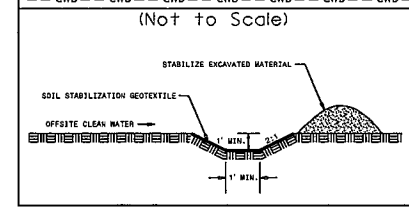
PROJECT REFERENCE NO.	SHEET NO.
R-5703	EC-II/CONST II
RAW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

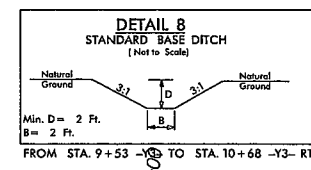
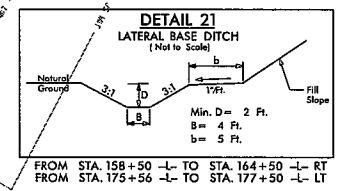
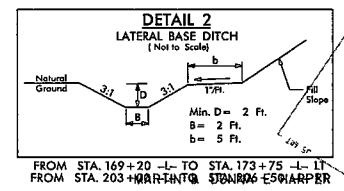
CLEAN WATER DIVERSION



CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 11

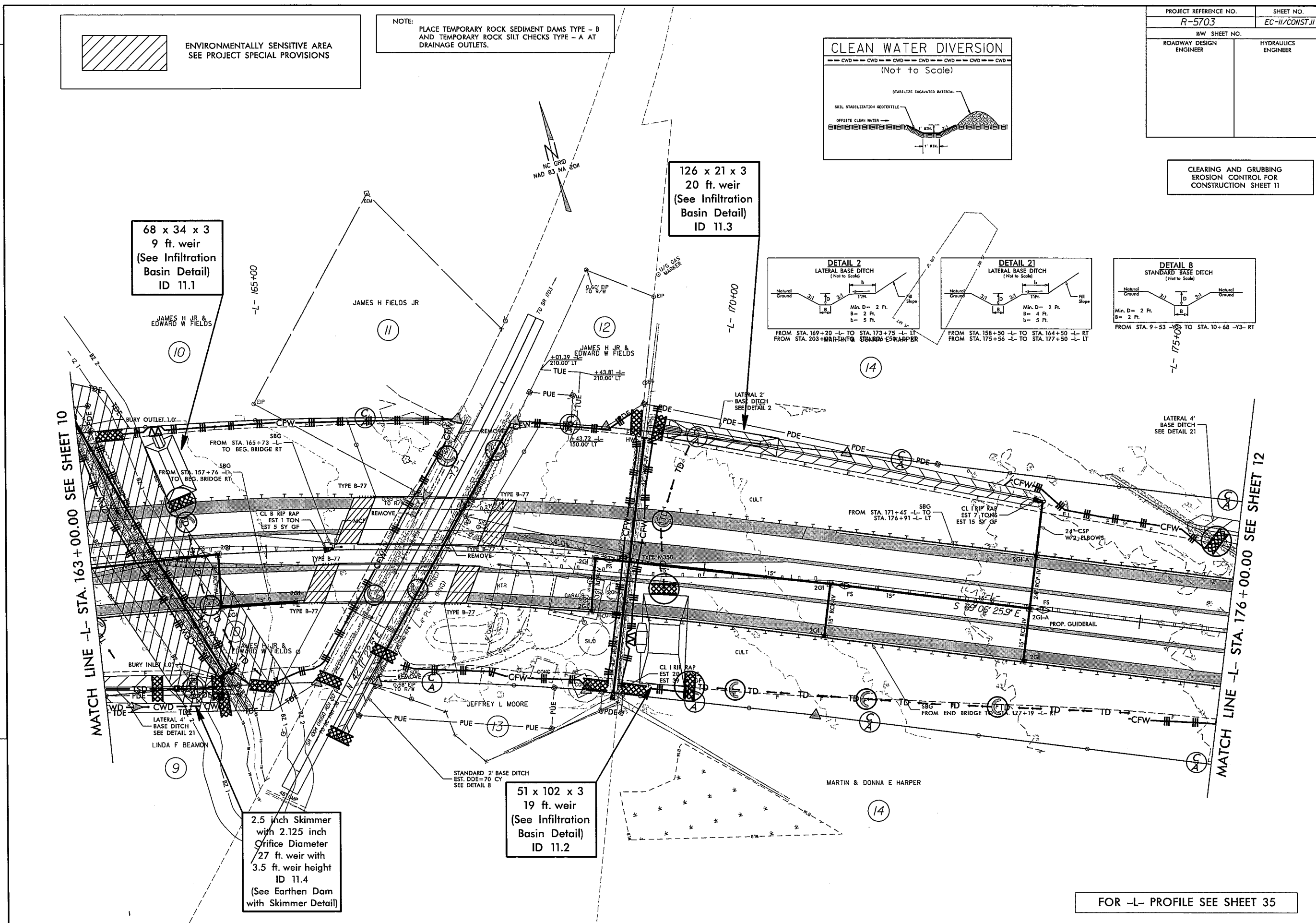
68 x 34 x 3
9 ft. weir
(See Infiltration
Basin Detail)
ID 11.1

126 x 21 x 3
20 ft. weir
(See Infiltration
Basin Detail)
ID 11.3



MATCH LINE -L- STA. 163+00.00 SEE SHEET 10

MATCH LINE -L- STA. 176+00.00 SEE SHEET 12



2.5 inch Skimmer
with 2.125 inch
Orifice Diameter
27 ft. weir with
3.5 ft. weir height
ID 11.4
(See Earthen Dam
with Skimmer Detail)

51 x 102 x 3
19 ft. weir
(See Infiltration
Basin Detail)
ID 11.2

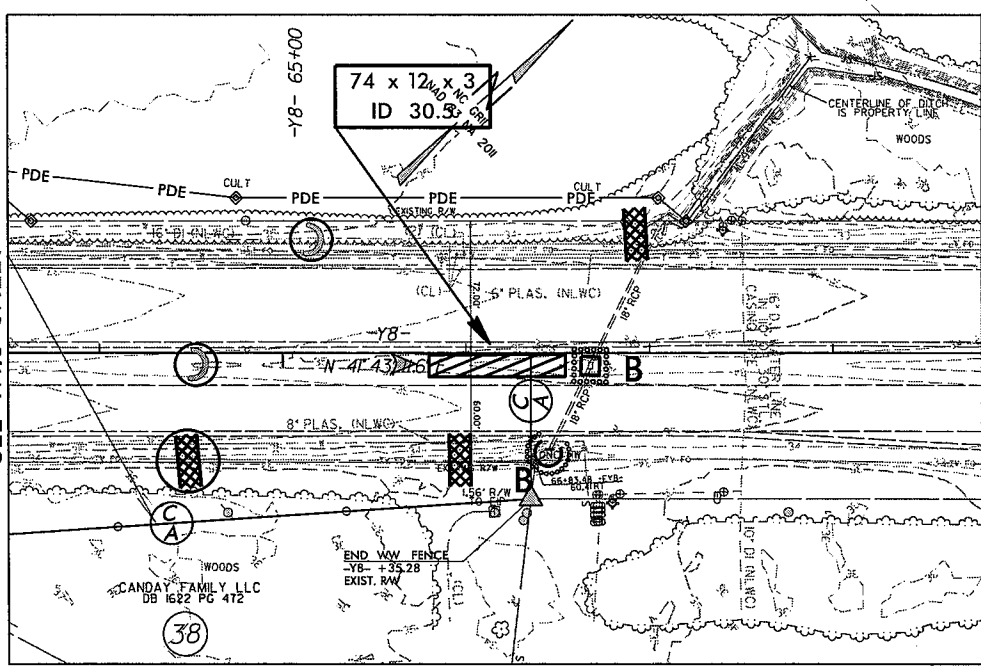
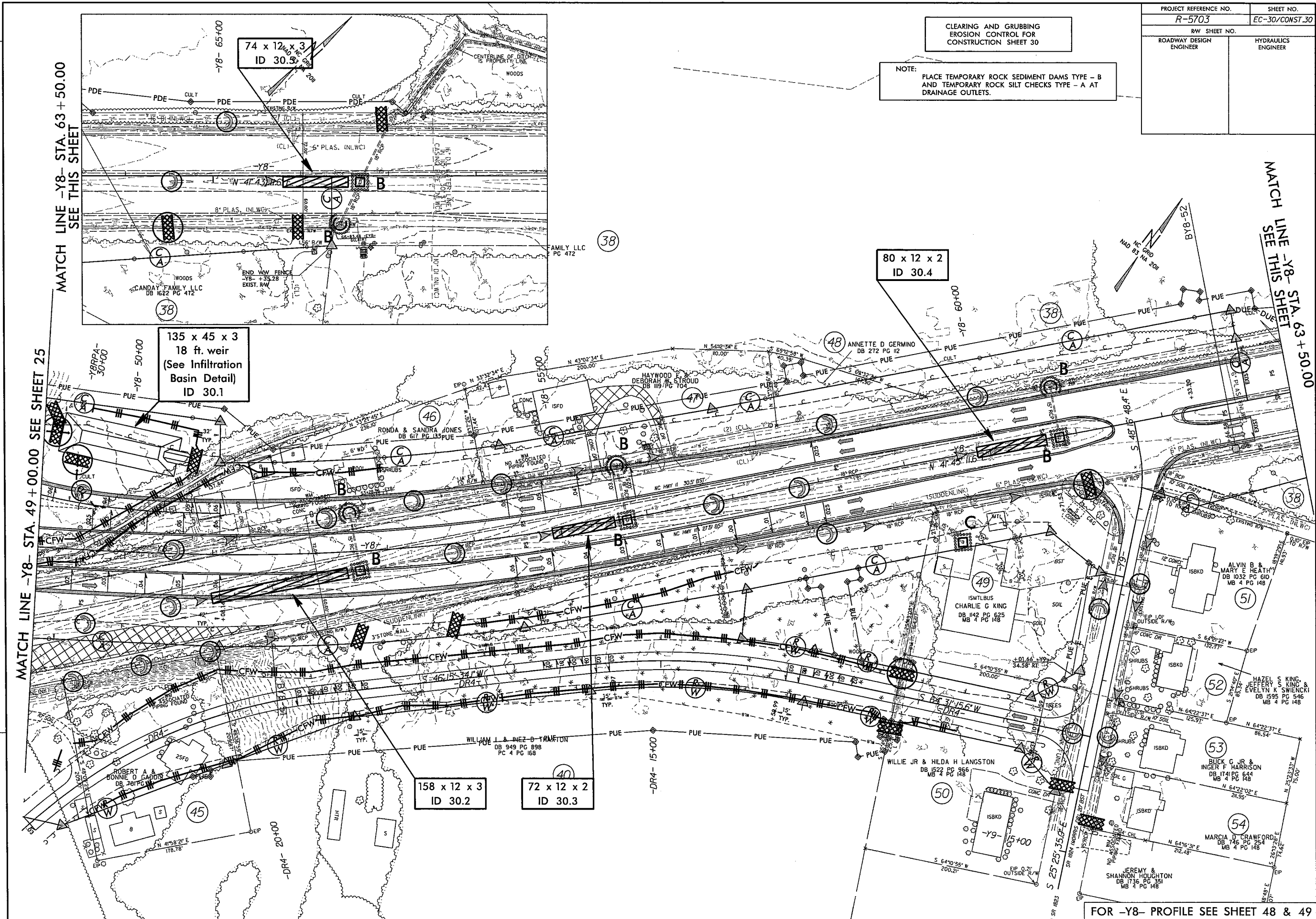
FOR -L- PROFILE SEE SHEET 35

REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
R-5703	EC-30/CONST.30
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 30

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.



135 x 45 x 3
18 ft. weir
(See Infiltration
Basin Detail)
ID 30.1

74 x 12 x 3
ID 30.3

80 x 12 x 2
ID 30.4

158 x 12 x 3
ID 30.2

72 x 12 x 2
ID 30.3

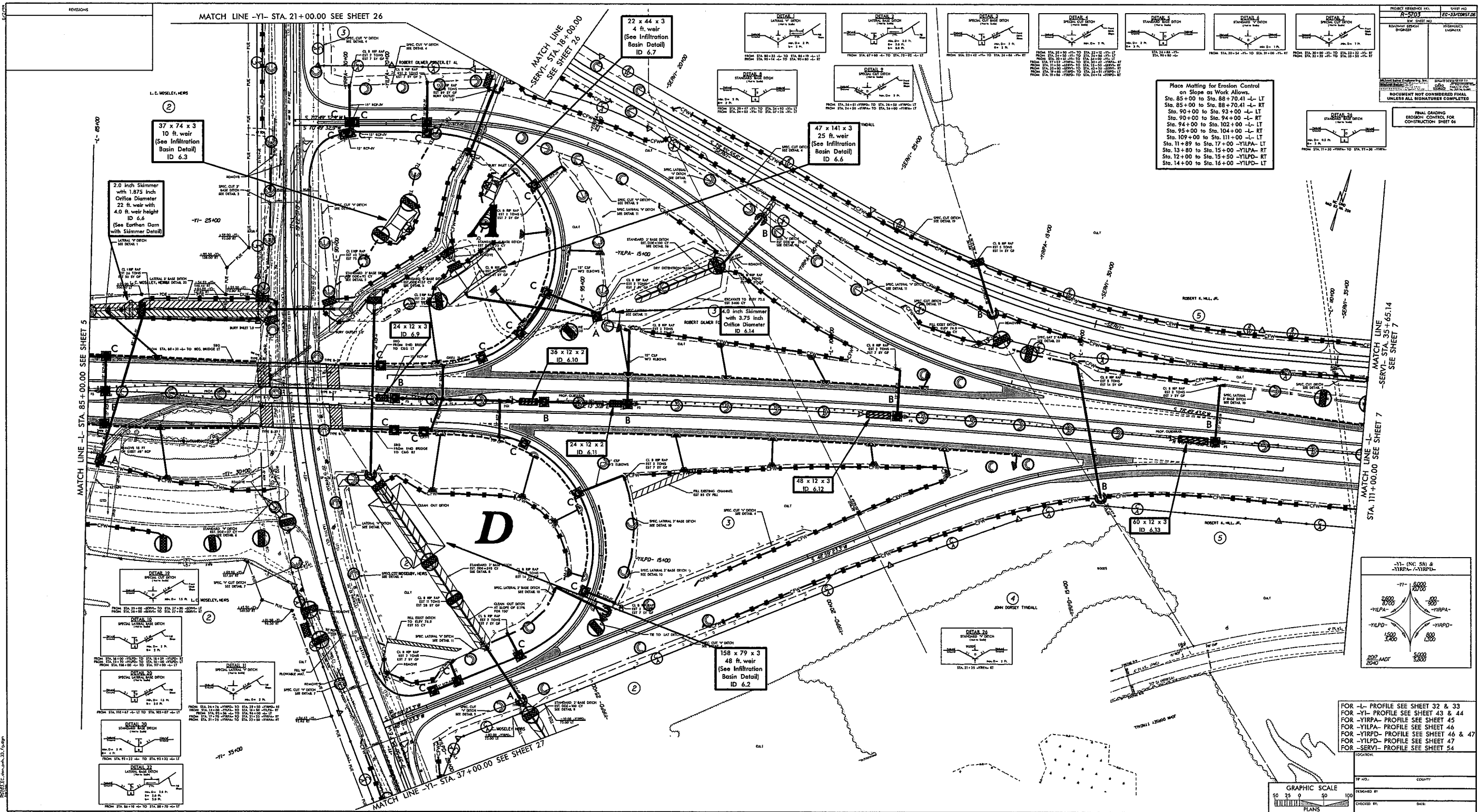
MATCH LINE -Y8- STA. 63 + 50.00
SEE THIS SHEET

MATCH LINE -Y8- STA. 49 + 00.00 SEE SHEET 25

MATCH LINE -Y8- STA. 63 + 50.00
SEE THIS SHEET

FOR -Y8- PROFILE SEE SHEET 48 & 49

REVISIONS



REVISIONS

MATCH LINE -L- STA. 85+00.00 SEE SHEET 5

MATCH LINE -YI- STA. 21+00.00 SEE SHEET 26

MATCH LINE -SERVI- STA. 18+00.00 SEE SHEET 26

MATCH LINE -YI- STA. 37+00.00 SEE SHEET 27

MATCH LINE -L- STA. 111+00.00 SEE SHEET 7

MATCH LINE -SERVI- STA. 35+65.14 SEE SHEET 7

37 x 74 x 3
10 ft. weir
(See Infiltration Basin Detail)
ID 6.3

2.0 inch Siltser
with 1.875 inch
Orifice Diameter
22 ft. weir with
4.0 ft. weir height
ID 6.6
(See Earthen Dam
with Siltser Detail)

24 x 12 x 3
ID 6.9

36 x 12 x 2
ID 6.10

24 x 12 x 2
ID 6.11

48 x 12 x 3
ID 6.12

60 x 12 x 3
ID 6.13

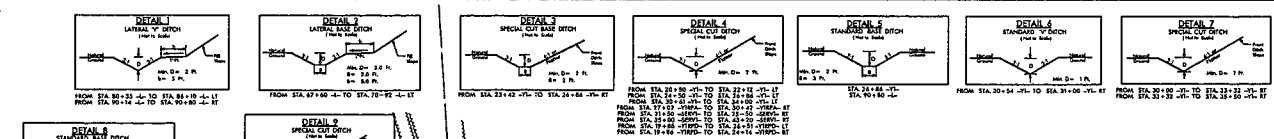
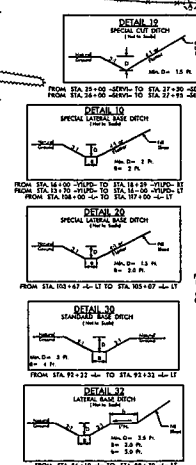
158 x 79 x 3
48 ft. weir
(See Infiltration Basin Detail)
ID 6.2

22 x 44 x 3
4 ft. weir
(See Infiltration Basin Detail)
ID 6.7

47 x 141 x 3
25 ft. weir
(See Infiltration Basin Detail)
ID 6.6

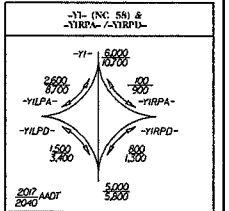
Place Matting for Erosion Control
on Slope as Work Allows.

Sta. 85+00 to Sta. 88+70.41 -L- LT
Sta. 85+00 to Sta. 88+70.41 -L- RT
Sta. 90+00 to Sta. 93+00 -L- LT
Sta. 90+00 to Sta. 94+00 -L- RT
Sta. 94+00 to Sta. 102+00 -L- LT
Sta. 95+00 to Sta. 104+00 -L- RT
Sta. 109+00 to Sta. 111+00 -L- LT
Sta. 11+89 to Sta. 17+00 -YILPA- LT
Sta. 13+80 to Sta. 15+00 -YILPA- RT
Sta. 12+00 to Sta. 15+50 -YILPD- RT
Sta. 14+00 to Sta. 16+00 -YILPD- LT

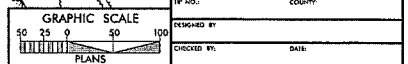


PROJECT REFERENCE NO.	R-2703
DATE	02-24-2017
DESIGNED BY	W. J. MOSELEY
CHECKED BY	W. J. MOSELEY
DATE	

FINAL GRADING
PROVISIONS FOR
CONSTRUCTION SHEET 04



FOR -L- PROFILE SEE SHEET 32 & 33
FOR -YI- PROFILE SEE SHEET 43 & 44
FOR -YIRPA- PROFILE SEE SHEET 45
FOR -YILPA- PROFILE SEE SHEET 46
FOR -YILPD- PROFILE SEE SHEET 46 & 47
FOR -YIPLD- PROFILE SEE SHEET 47
FOR -SERVI- PROFILE SEE SHEET 54

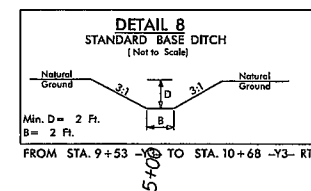
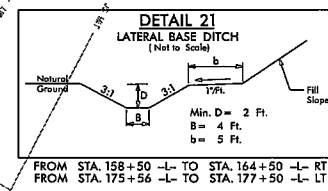
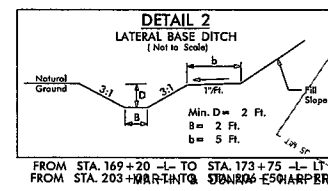


PROJECT REFERENCE NO. R-5703	SHEET NO. EC-38/CONST. II
RAW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Matting for Erosion Control on Slope as Work Allows.
 Sta. 163+00 to Sta. 165+95.25 -L- LT
 Sta. 163+00 to Sta. 165+95.25 -L- RT
 Sta. 167+32.29 to Sta. 176+00 -L- LT
 Sta. 167+32.29 to Sta. 176+00 -L- RT

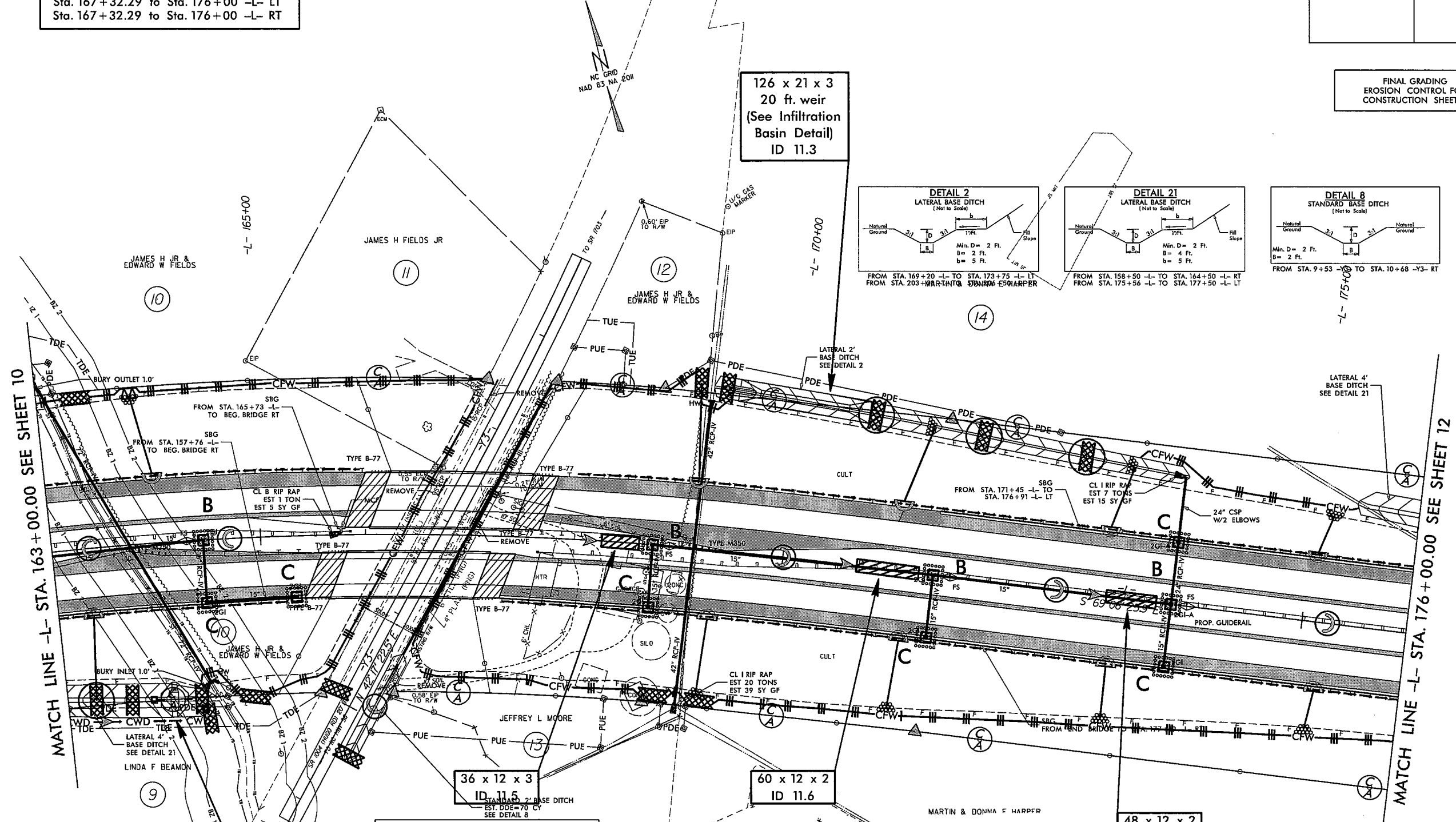
FINAL GRADING EROSION CONTROL FOR CONSTRUCTION SHEET 11

126 x 21 x 3
 20 ft. weir
 (See Infiltration Basin Detail)
 ID 11.3

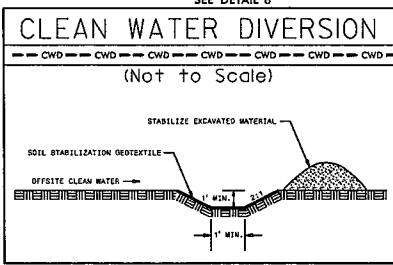


MATCH LINE -L- STA. 163+00.00 SEE SHEET 10

MATCH LINE -L- STA. 176+00.00 SEE SHEET 12



2.5 inch Skimmer with 2.125 inch Orifice Diameter
 27 ft. weir with 3.5 ft. weir height
 ID 11.4
 (See Earthen Dam with Skimmer Detail)

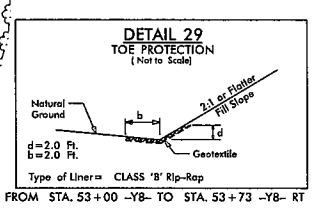
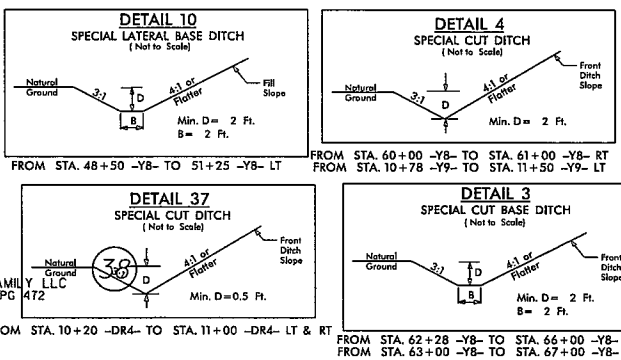
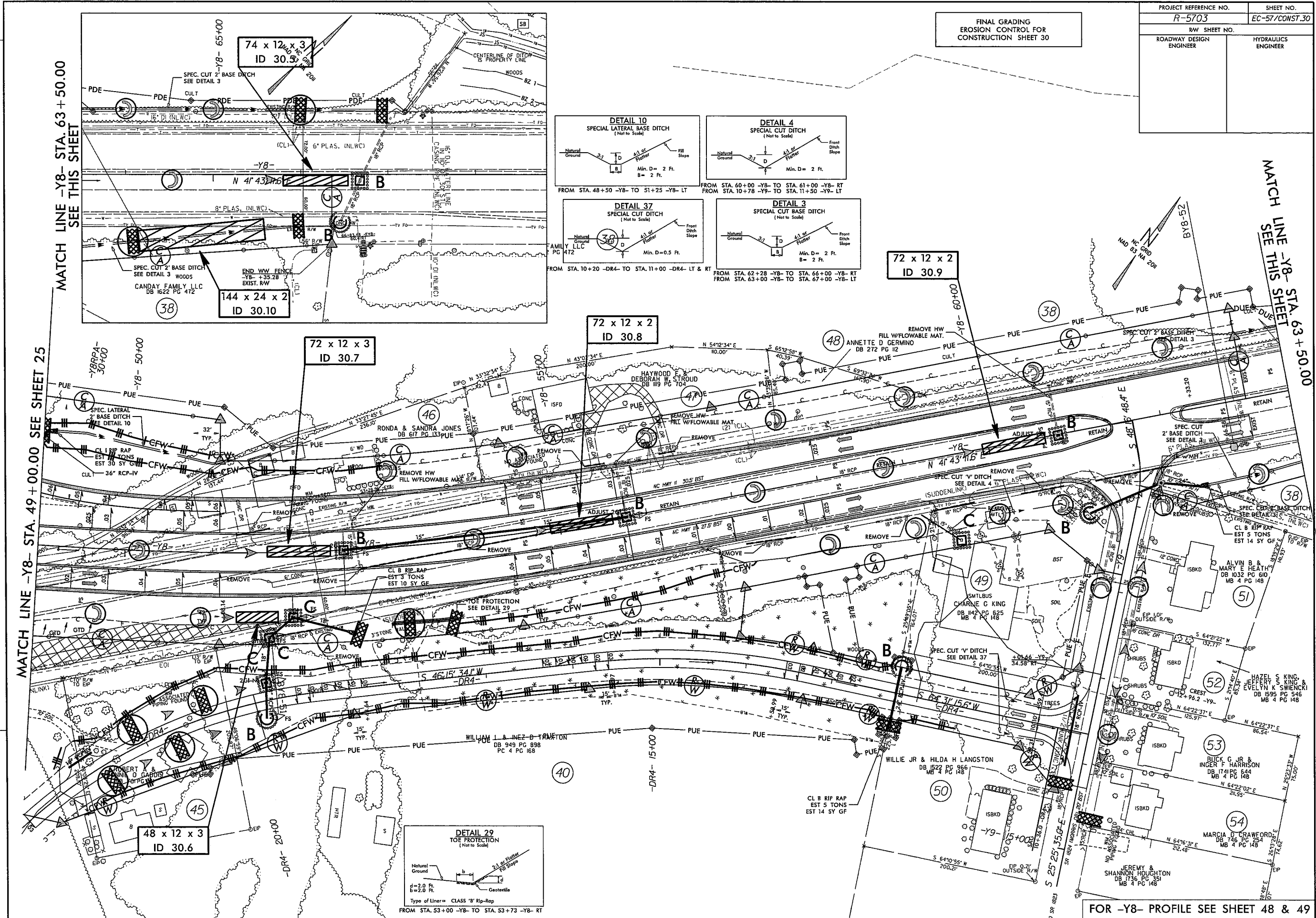


FOR -L- PROFILE SEE SHEET 35

REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
R-5703	EC-57/CONST.30
RAW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 30



FOR -Y8- PROFILE SEE SHEET 48 & 49

MATCH LINE -Y8- STA. 63 + 50.00
SEE THIS SHEET

MATCH LINE -Y8- STA. 49 + 00.00
SEE SHEET 25

MATCH LINE -Y8- STA. 63 + 50.00
SEE THIS SHEET

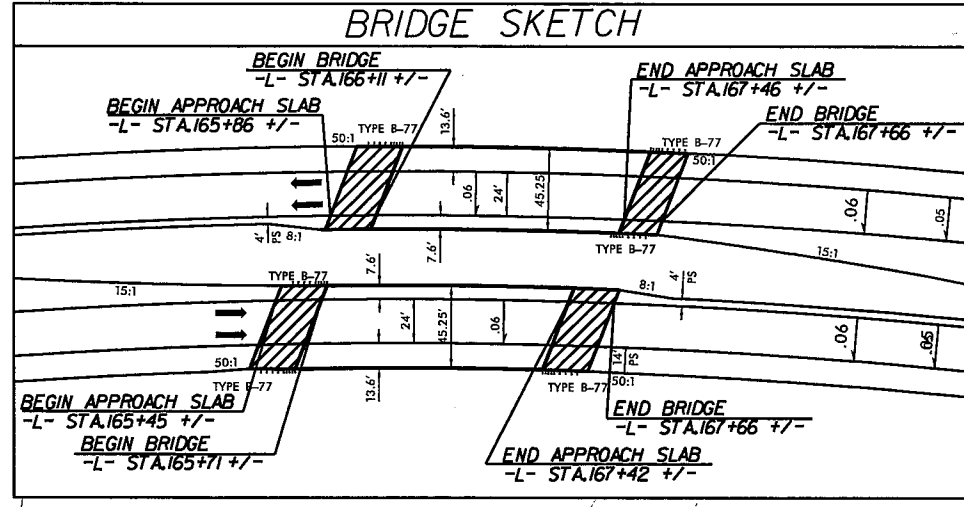
REVISIONS

5/14/99

PROJECT REFERENCE NO. R-5703 SHEET NO. UO-6

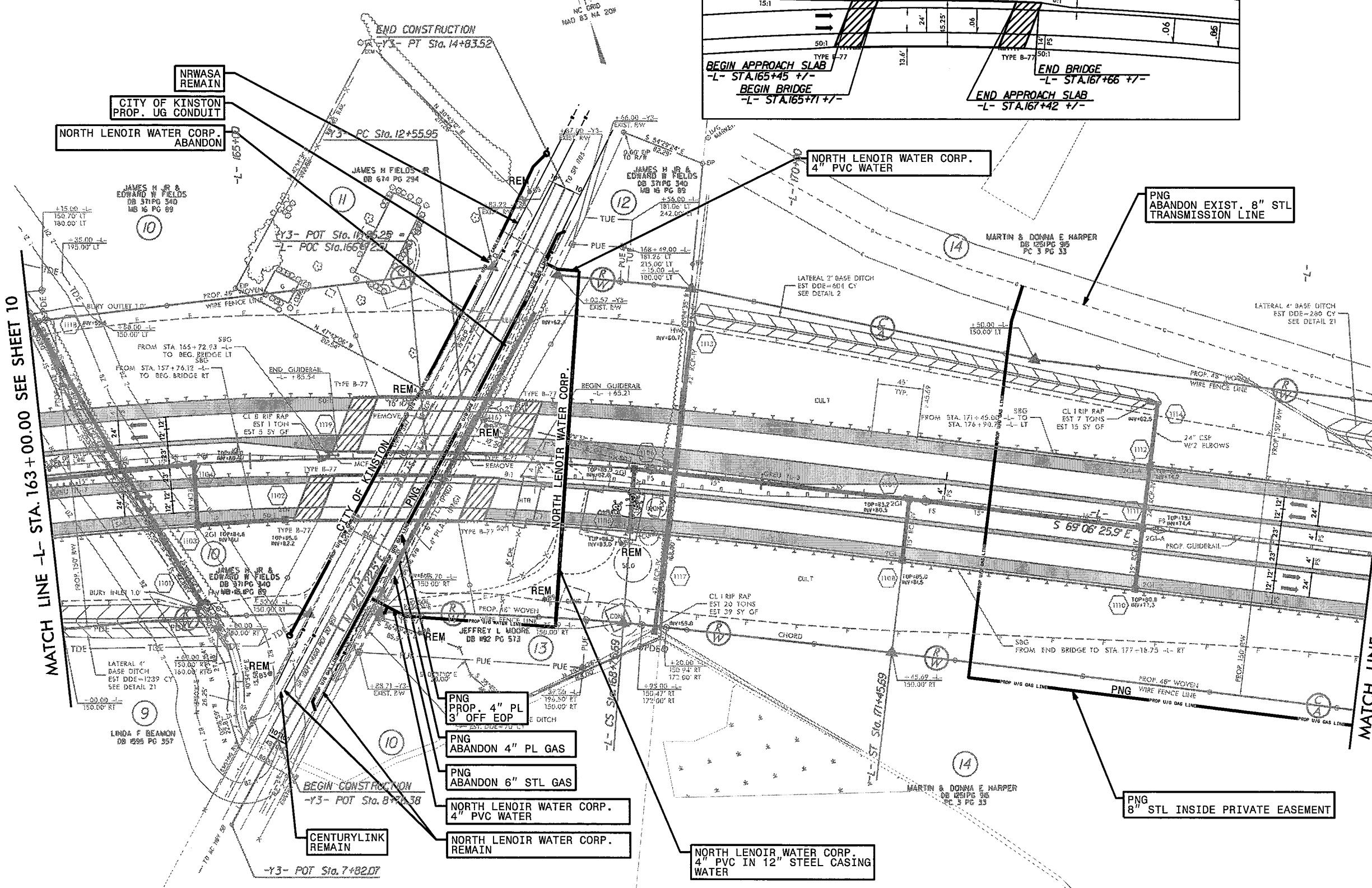
MATCH LINE -L- STA. 163 + 00.00 SEE SHEET 10

MATCH LINE -L- STA. 176 + 00.00 SEE SHEET UO-7



UTILITIES BY OTHERS

NOTE:
 ALL UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS.
 NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR UTILITY WORK SHOWN ON THIS SHEET.



NRWASA REMAIN
CITY OF KINSTON PROP. UG CONDUIT
NORTH LENOIR WATER CORP. ABANDON

NORTH LENOIR WATER CORP. 4" PVC WATER

PNG ABANDON EXIST. 8" STL TRANSMISSION LINE

PNG PROP. 4" PL 3' OFF EOP
PNG ABANDON 4" PL GAS
PNG ABANDON 6" STL GAS

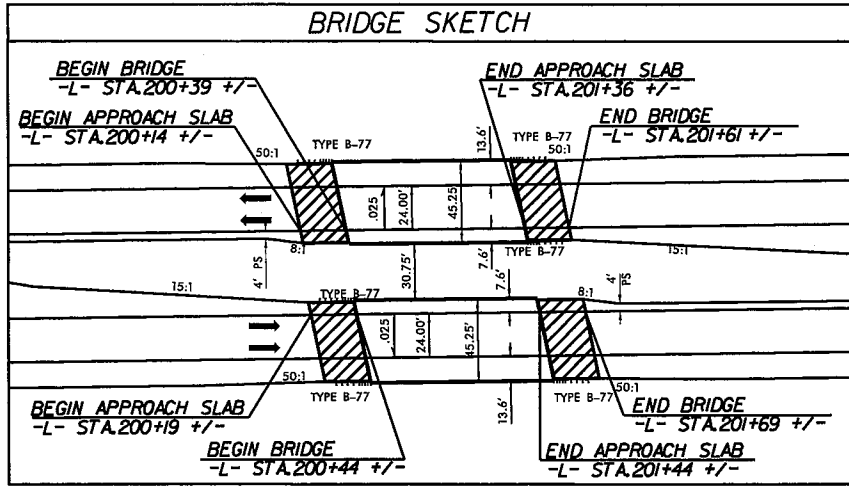
CENTURYLINK REMAIN
NORTH LENOIR WATER CORP. 4" PVC WATER
NORTH LENOIR WATER CORP. REMAIN

NORTH LENOIR WATER CORP. 4" PVC IN 12" STEEL CASING WATER

PNG 8" STL INSIDE PRIVATE EASEMENT

SYSTEMS AND DESIGN

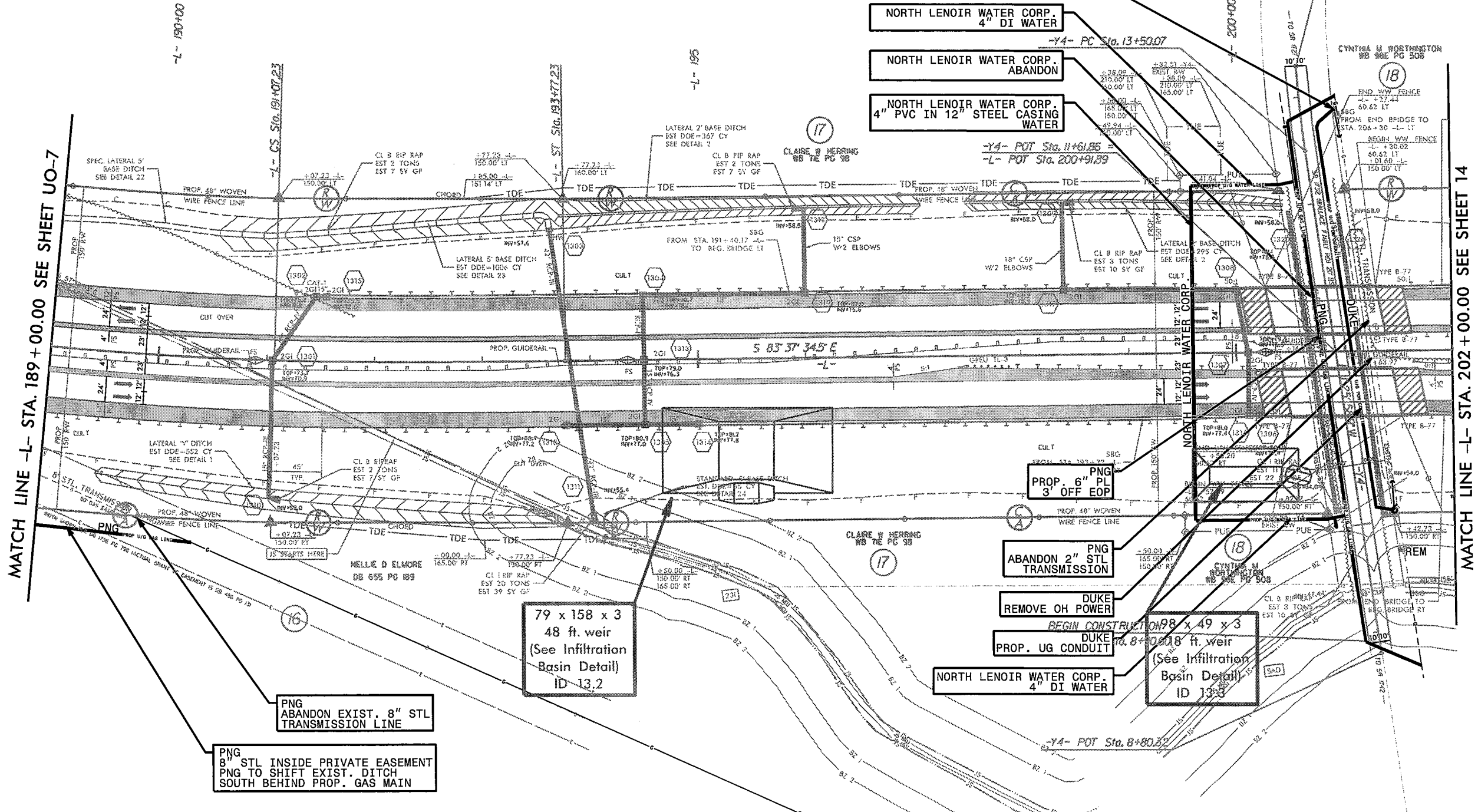
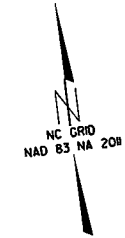
5/14/99
CUSTOMER USE ONLY
NO CHANGES TO BE MADE WITHOUT WRITTEN PERMISSION FROM THE ENGINEER
DATE: 5/14/99
DRAWN BY: JMM
CHECKED BY: JMM
APPROVED BY: JMM



PLEASE MAKE EC CONTRACTOR AWARE OF BASIN NEAR PROPOSED WATER LINE

UTILITIES BY OTHERS

NOTE:
ALL UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS.
NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR UTILITY WORK SHOWN ON THIS SHEET.



- DUKE REPLACE POLE PROP. GUY
- NORTH LENOIR WATER CORP. 4" DI WATER
- NORTH LENOIR WATER CORP. ABANDON
- NORTH LENOIR WATER CORP. 4" PVC IN 12" STEEL CASING WATER

- PROP. 6" PNG PL 3' OFF EOP
- ABANDON 2" STL TRANSMISSION
- DUKE REMOVE OH POWER
- DUKE PROP. UG CONDUIT
- NORTH LENOIR WATER CORP. 8" DI WATER
- 98 x 49 x 3 ft weir (See Infiltration Basin Detail) ID 13.3

- PNG ABANDON EXIST. 8" STL TRANSMISSION LINE
- PNG 8" STL INSIDE PRIVATE EASEMENT PNG TO SHIFT EXIST. DITCH SOUTH BEHIND PROP. GAS MAIN

79 x 158 x 3 48 ft weir (See Infiltration Basin Detail) ID 13.2

MATCH LINE -L- STA. 202 + 00.00 SEE SHEET 14

MATCH LINE -L- STA. 189 + 00.00 SEE SHEET UO-7