



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

July 15, 2005

U.S. Army Corps of Engineers
Asheville Regulatory Field Office
151 Patton Avenue, Room 208
Asheville, NC 28801-5006

ATTN: Mr. Steve Lund
NCDOT Coordinator

Subject: Request for Individual Permit Modification for NC 16 from north of SR 1386 in Lincoln County to North of SR 1895 in Catawba County. Federal Aid Project No. STP-F-24-1(34) State Project No. 8.1830501. \$475.00 Debit work order 34383.1.5. TIP Project No. R-2206C.

Reference: USACE Individual Permit dated October 7, 2004, Action ID 200420899. NCDWQ Water Quality Certification dated September 21, 2004, Individual WQC No. 3476.

Dear Mr. Lund:

The purpose of this letter is to request modifications to the Clean Water Act (CWA) Section 404 Permit issued by the USACE and the 401 Water Quality Certification issued by the NCDWQ. This project is currently under construction. The North Carolina Department of Transportation (NCDOT) is proposing modifications to Site 9, Station L-211+68 Lt. to 211+95, after the fact.

On May 17, 2005, during an on-site review of permitted sites, it was discovered that the 1050 mm pipe outlet at permit site 9C (Station L-211+68 to 211+95) was perched and not buried the required 20%. The Division Construction Unit proposed that a multi-pool energy dissipator with grade control be installed along with riprap armoring of the bank opposite the outflow. These structures were constructed on the same day and 32 linear feet of channel were permanently impacted.

A letter from the Ecosystem Enhancement Program (EEP) indicating their willingness and ability to provide the additional mitigation for this impact is forthcoming.

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
PROJECT DEVELOPMENT AND ENVIRONMENTAL ANALYSIS
1548 MAIL SERVICE CENTER
RALEIGH NC 27699-1548

TELEPHONE: 919-733-3141
FAX: 919-733-9794
WEBSITE: WWW.NCDOT.ORG

LOCATION:
TRANSPORTATION BUILDING
1 SOUTH WILMINGTON STREET
RALEIGH NC

REGULATORY APPROVALS

The NCDOT respectfully requests that the referenced 404 USACE Permit (and Modification) and 401 Water Quality Certification (and Modification) be modified to reflect the revision to the natural stream design outlined in this letter. In compliance with Section 143-215.3D(e) of the NCAC, NCDOT will provide \$475 to act as payment for processing the Section 401 certification modification application previously noted in this application (see Subject line). We are providing seven copies of this application to the North Carolina Department of Environment and Natural Resources, Division of Water Quality for their review.

Enclosed are copies of the site plans and location, drawings for the constructed energy dissipator, and pictures of the construction.

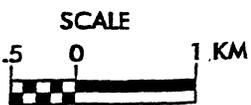
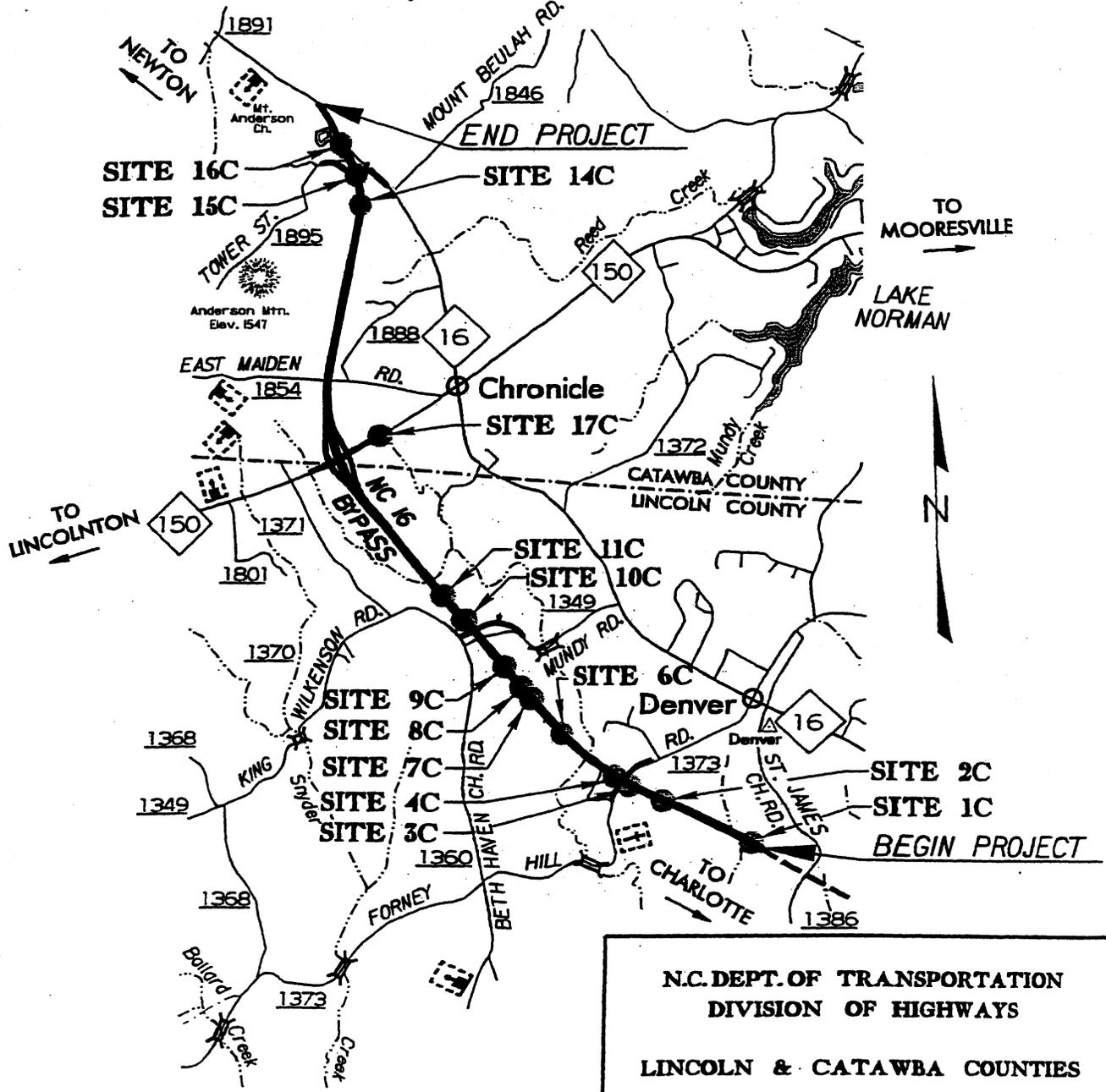
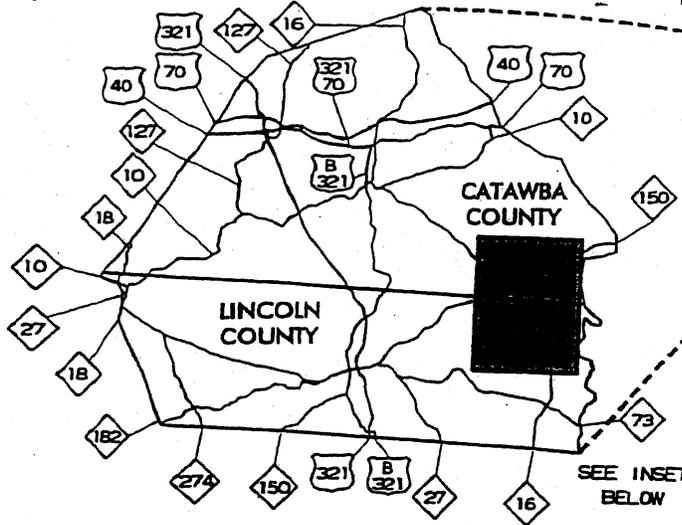
If you have any questions, concerns, or need any additional information please contact Mr. Chris Underwood at (919) 715-1451.

Sincerely,



Gregory J. Thorpe, PhD, Environmental Management Director
Project Development and Environmental Analysis Branch

Cc: Mr. John Hennessy, NCDWQ
Ms. Marla Chambers, NCWRC
Ms. Becky Fox, USEPA – Whittier, NC
Mr. Ronald Mikulak, USEPA – Atlanta, GA
Ms. Marella Buncick, USFWS
Mr. John F. Sullivan, III, P.E., FHWA
Mr. Jay Bennett, P.E., Roadway Design
Mr. Omar Sultan, Programming and TIP
Mr. Art McMillan, P.E., Highway Design
Mr. David Chang, P.E., Hydraulics
Mr. Greg Perfetti, P.E., Structure Design
Mr. Mark Staley, Roadside Environmental
Mr. M. L. Holder, P.E., Division Engineer
Ms. Trish Simon, DEO
Mr. David Franklin, USACE, Wilmington



LOCATION MAP
 NOTE: SITES 5C, 12C & 13C
 REMOVED DUE TO NO IMPACT

**N.C. DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS**

LINCOLN & CATAWBA COUNTIES

**PROJECT: 3-4383.1.1 (R-2206C)
 NC-16 BYPASS**

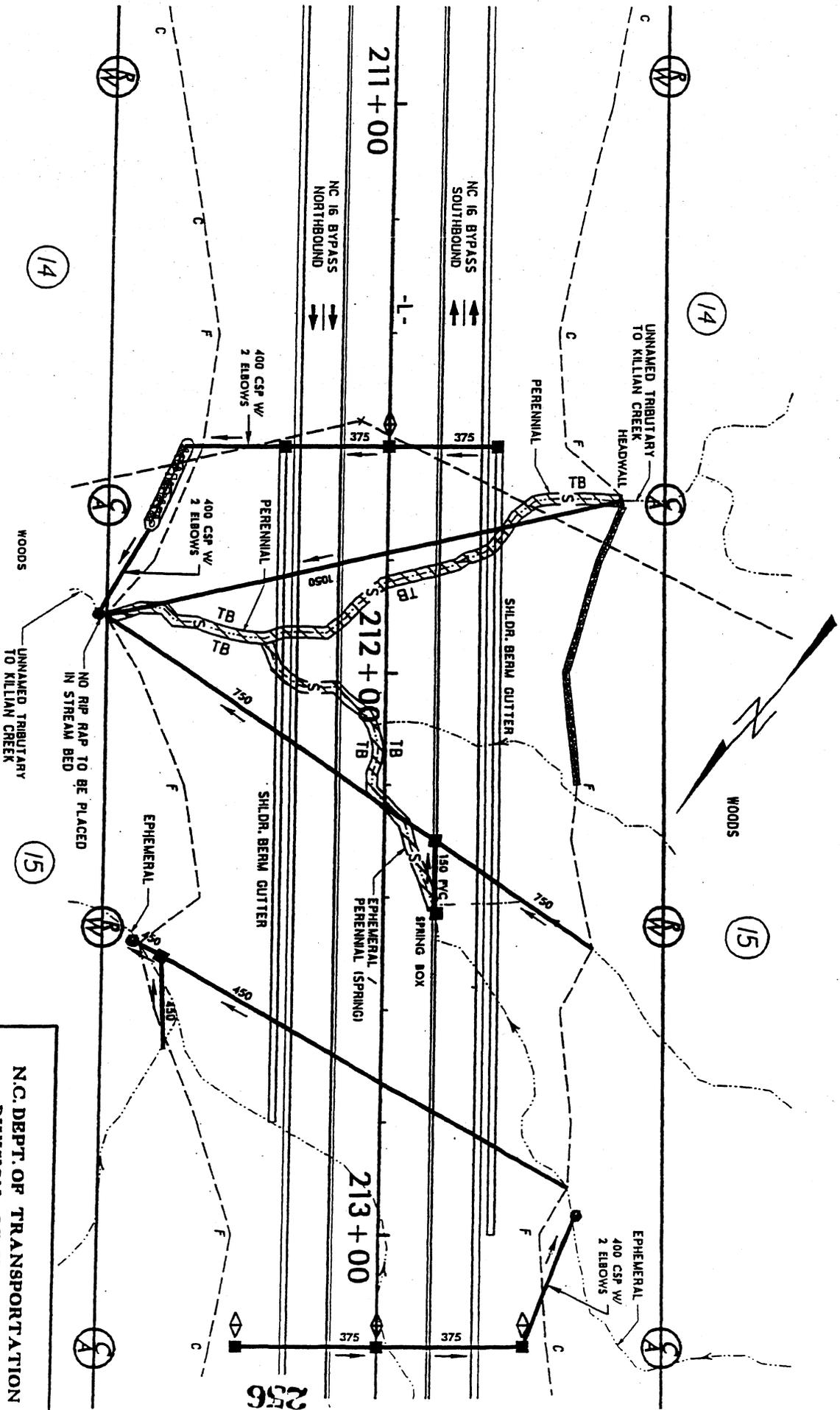
SHEET 1 OF 35

1/16/04



PLAN VIEW SITE 9C

DENOTES SURFACE WATER
IMPACT (NATURAL)



N.C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
LINCOLN & CATAWBA COUNTIES

PROJECT: 34583.11 (R-2906C)
NC-16 BYPASS

SHEET 12 OF 35

1/16/04

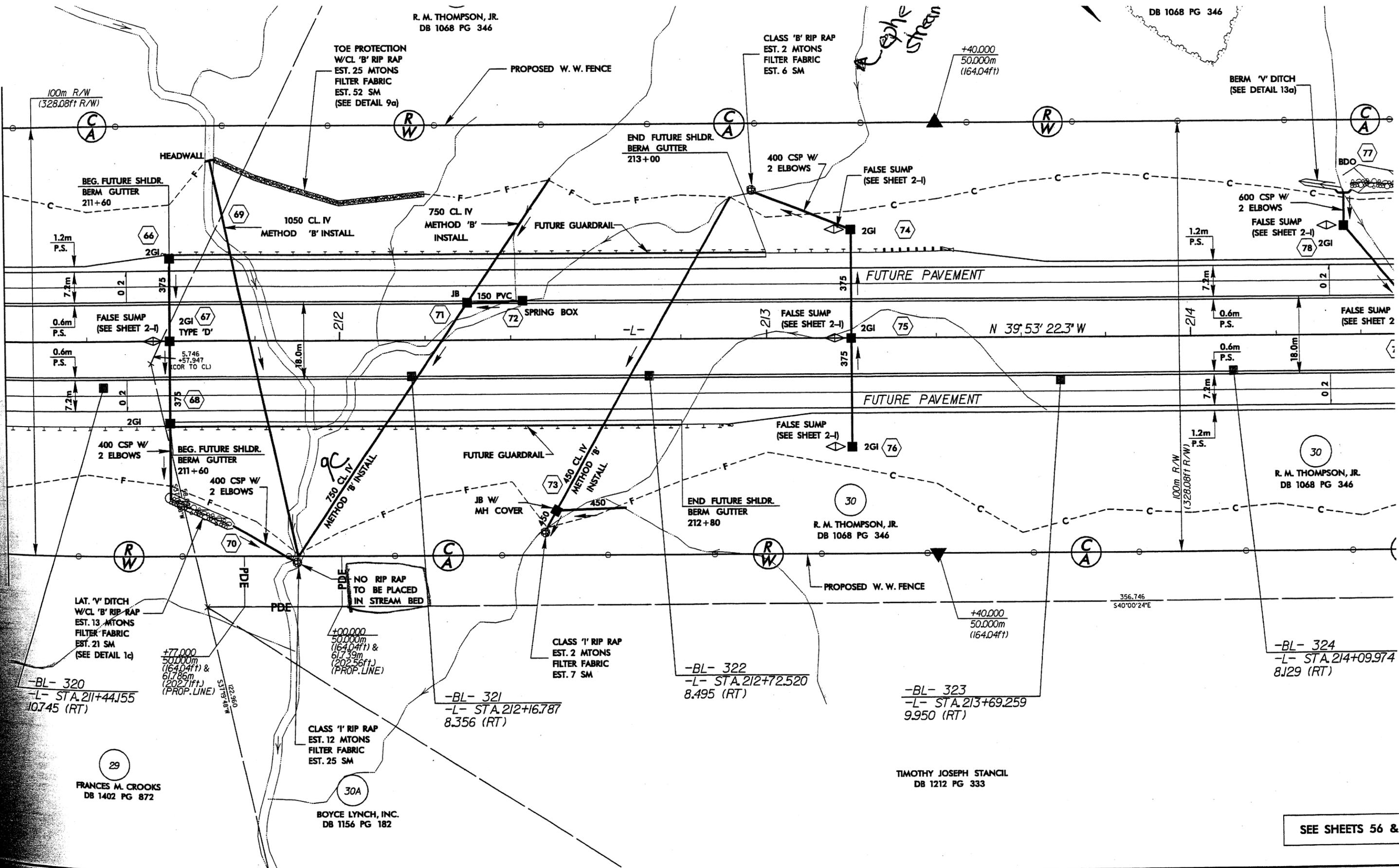
REVISED 4/29/04

MATCHLINE SEE SHEET 13

-L- STA. 211+20.000

R. M. THOMPSON, JR.
DB 1068 PG 346

DB 1068 PG 346



-BL- 320
-L- STA. 211+44.155
10.745 (RT)

29
FRANCES M. CROOKS
DB 1402 PG 872

+77.000
50.000m
(164.04ft) &
61.789m
(202.71ft)
(PROP. LINE)

CLASS 'I' RIP RAP
EST. 12 MTONS
FILTER FABRIC
EST. 25 SM

30A
BOYCE LYNCH, INC.
DB 1156 PG 182

-BL- 321
-L- STA. 212+16.787
8.356 (RT)

CLASS 'I' RIP RAP
EST. 2 MTONS
FILTER FABRIC
EST. 7 SM

-BL- 322
-L- STA. 212+72.520
8.495 (RT)

-BL- 323
-L- STA. 213+69.259
9.950 (RT)

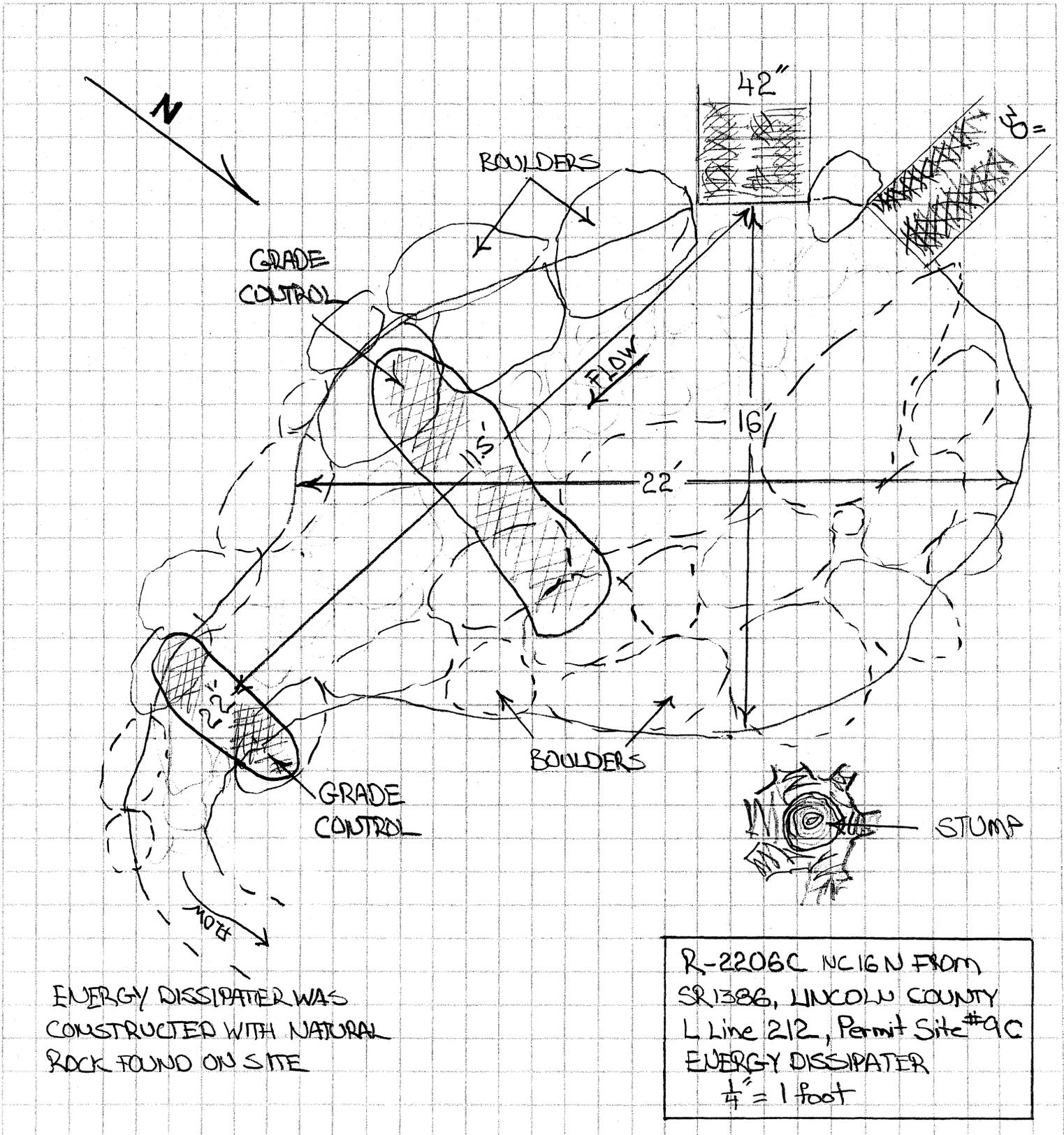
TIMOTHY JOSEPH STANCIL
DB 1212 PG 333

-BL- 324
-L- STA. 214+09.974
8.129 (RT)

SEE SHEETS 56 &



Charlotte-704/527-7179
 Statesville-704/872-6556
 Hickory-704/322-3805



Plant Locations

Charlotte
 Pineville
 704-522-0039

Lowesville
 Lake Norman
 704-827-6846

Concord
 Poplar Tent
 704-784-5589

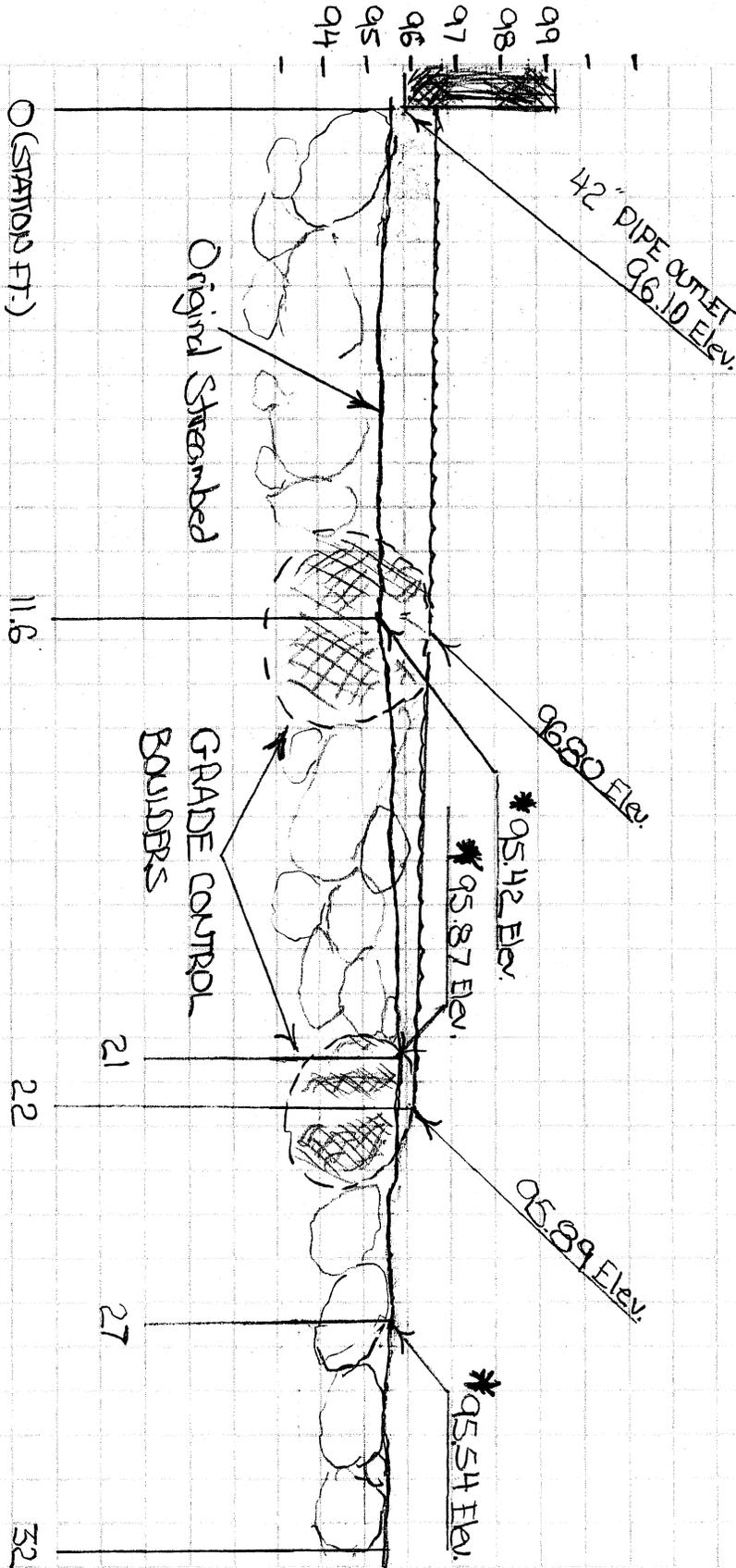
Statesville
 Buffalo Shoals Rd.
 704-872-6556

Hickory
 704-322-3805

Morganton
 704-433-0577



Charlotte-704/527-7179
 Statesville-704/872-6556
 Hickory-704/322-3805



R-2206C NC 1616 FROM SR1386
 LINCOLN COUNTY, PERMIT SITE #9C
 ENERGY DISSIPATER 4' = 1 Foot

*ORIGINAL STREAMBED ELEVATIONS

Plant Locations

Charlotte Pineville 704-522-0039	Lowesville Lake Norman 704-827-6846	Concord Poplar Tent 704-784-5589	Statesville Buffalo Shoals Rd. 704-872-6556	Hickory 704-322-3805	Morganton 704-433-0577
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42" pipe on left perched, Permit Site #9C



2.



3.

Grade Control Boulders set.

