



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

October 5, 2007

U. S. Army Corps of Engineers
Regulatory Field Office
Post Office Box 1000
Washington, NC 27889-1000

Mr. David Baker
NCDOT Coordinator

Subject: **Amendment to the Application for a Regional General Permit 198200031 and Section 401 Water Quality Certification for TIP R-2408A**, the proposed improvements of SR 1323 (Riverview Street) from the intersection of Iotla Street to NC28 in Macon County. NCDOT Division 14. Federal Project No. STP-28(1), State Project No. 8.1970801.

Reference: NCDOT Permit Application dated September 10, 2007.

Dear Sir:

Please reference previous application along with the attached revised drawings.

Since the submittal of the permit application, clarification of sites on the project have been requested from NCDWQ. Modifications to the permit drawings for Sites 1 and 3 have occurred to address concerns with the construction of these sites.

Permanent Impacts

Site 1 (28+ 05-L-Rt)

Due to re-evaluation of the removal of the attached 18-inch pipe connected to the junction box, NCDOT will remove only 37-feet of the existing 18-inch pipe at this time, to accommodate the new, longer 64-inch metal arch pipe. The new 64-inch pipe will be connected to the 18-inch pipe at a junction box. Hydraulic information concerning the junction box is contained on Sheet 7 of the plan drawings. No additional impacts will occur due to the revision of this site. Due to time constraints, NCDOT will remove the junction box and the remaining 18-inch pipe and restore the stream using natural stream design techniques at a later date. NCDOT will propose to use mitigation credit from this site for the B section, which is a separate permit application.

Site 3 (13 +23-Y1-)

Previous plan drawings of the cross section of the placement of the new 75-inch x 55-inch metal arch pipe erroneously showed that the pipe would not be buried below the stream bottom. Revised drawings of this site show the new pipe being buried at least 12-inches below the stream bottom (Sheet 13). This will allow natural stream bottom materials to become established following installation and provide aquatic passage during periods of low flow. Because of the slope of the new pipe (<6%), a dissipater pad will be installed on the downstream side of the pipe (Sheet 11). The addition of the dissipater pad will cause an increase of 24 feet of permanent impacts to this site. Permanent impacts at this Site 3 will increase to 124 feet.

Permanent impacts for the entire project will increase to a total of 167 feet (See Permit Drawings Sheet 3).

Mitigation

The Ecosystem Enhancement Program will provide mitigation for 167 feet of permanent impacts (acceptance letter pending).

Thank you for your assistance with this project. If you have any questions or need additional information, please contact Mr. Jason Dilday at jldilday@dot.state.nc.us or (919) 715-5535. A copy of this application will also be posted at <http://www.ncdot.org/doh/preconstruct/pe/neu/Permit.html>.

Sincerely,

E. J. Luke
for

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

cc:

W/attachment

Mr. John Hennessy, NCDWQ (5 Copies)
Ms. Marella Buncick, USFWS
Ms. Marla Chambers, NCWRC
Mr. Harold Draper, TVA
Dr. David Chang, P.E., Hydraulics
Mr. Victor Barbour, P.E., Project Services Unit
Mr. Greg Perfetti, P.E., Structure Design
Mr. Mark Staley, Roadside Environmental
Mr. J. B. Setzer, P.E. (Div. 14), Division Engineer
Mr. Mark Davis (Div. 14), DEO

W/o attachment

Mr. Jay Bennett, P.E., Roadway Design
Mr. Majed Alghandour, P. E., Programming and TIP
Mr. Art McMillan, P.E., Highway Design
Mr. Scott McLendon, USACE, Wilmington
Ms. Beth Harmon, EEP
Mr. Todd Jones, NCDOT External Audit Branch
Mr. Steven Brown, P.E., PDEA Project Planning Engineer

IMPACT SUMMARY

Site No.	Station (From/To)	Structure Size	WETLAND IMPACTS				SURFACE WATER IMPACTS											
			Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation In Wetlands (ac)	Mechanized Clearing In Wetlands (ac)	Hand Clearing In Wetlands (ac)	Permanent SW Impacts (ac)	Temp. SW Impacts (ac)	Exist. Chan. Impacts Permanent (ft)	Exist. Chan. Impacts Temp. (ft)	Natural Stream Design (ft)						
1	L 28+05	64" X 43" CMPA																
2	L 41+58	142" X 91" CMPA									0.01	<0.01	40	48	N/A			
3	Y1 13+23	73" X 55" CMPA									0.03	<0.01	124	25	N/A			
TOTALS:			0.00	0.00			0.00	0.03	0.01	167	77	0						

Bold text denotes revised impact numbers.

Permit Drawing
Sheet 3 of 13
Revised 10/5/2007

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
MACON COUNTY
R-2408A
WBS - 34427.1.1
SHEET

05/31/06

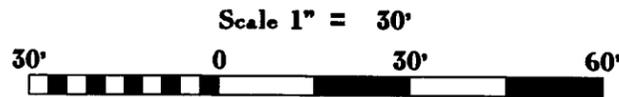
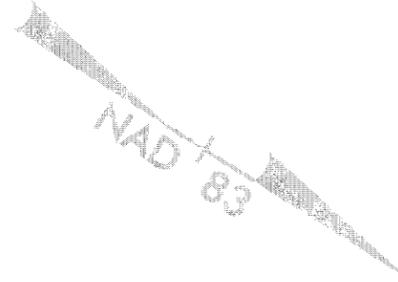
R-2408A

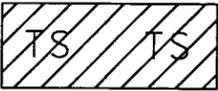
Site 1 Station 28+05

KATHRINE E. PENNINGTON ET. AL.

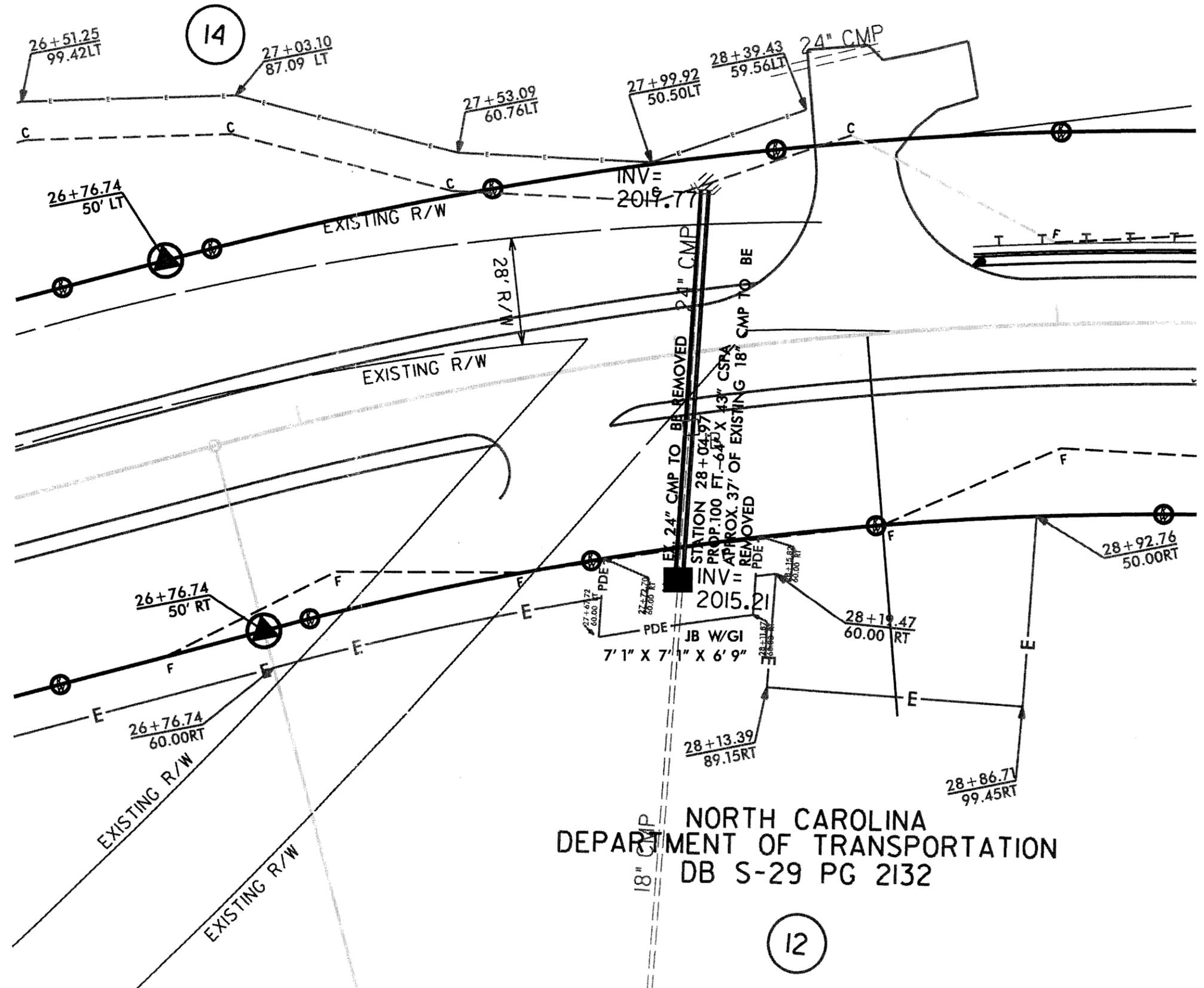
Place coir fiber matting below bankfull elevation at the pipe inlet and outlet.
Establish vegetation above bankfull elevation.

Permit Drawing
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Revised 10/5/2007



 DENOTES TEMPORARY FILL IN SURFACE WATER

 DENOTES FILL IN SURFACE WATER



NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DB S-29 PG 2132

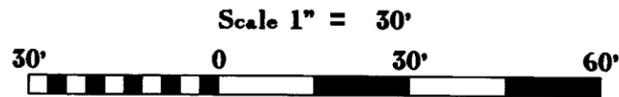
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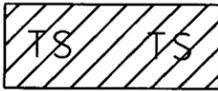
R-2408A

Site 1 Station 28+05

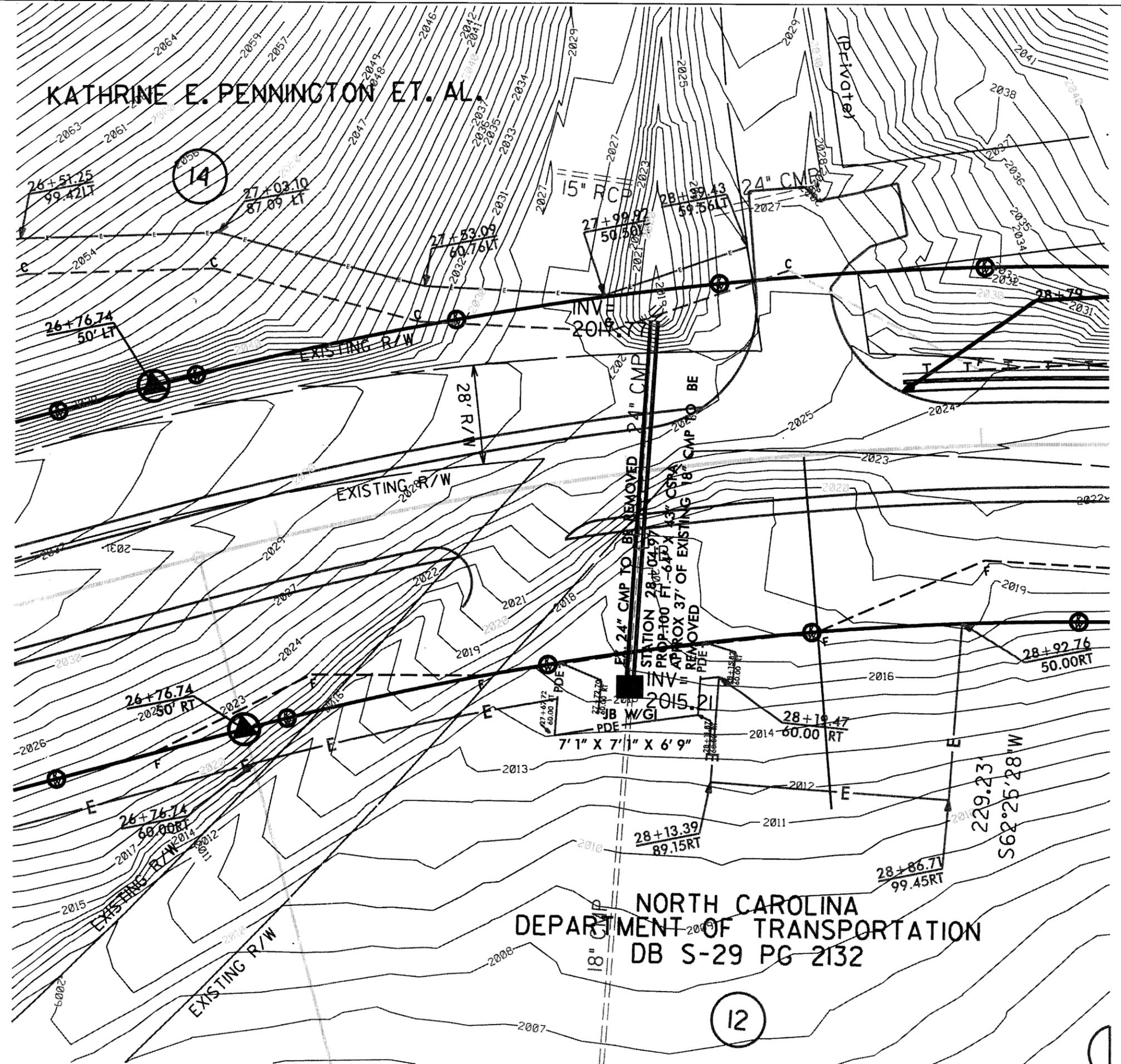
Place coir fiber matting below bankfull elevation at the pipe inlet and outlet.
Establish vegetation above bankfull elevation.

Permit Drawing
Sheet 6 of 13
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 DENOTES TEMPORARY
FILL IN SURFACE
WATER

 DENOTES FILL IN
SURFACE WATER



R-2408A

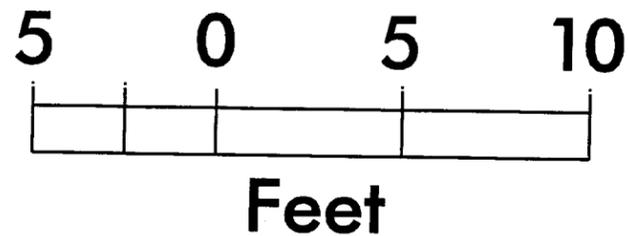
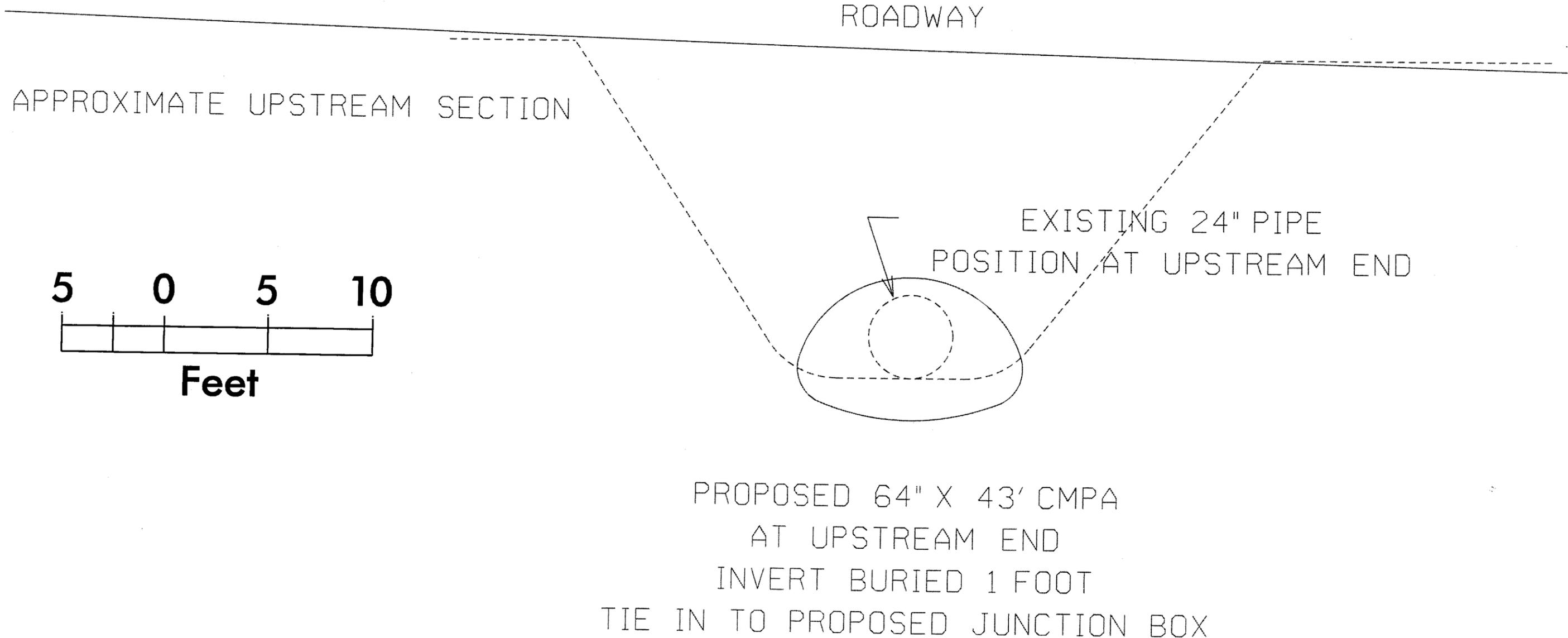
Site 1 Station 28+05

Station:	28+05	Shoulder Elev.:	2025.78 ft	CL Elev.:	2025.67 ft
Skew:	110°	Inlet Invert Elev.:	2017.77 ft	So =	.0256
Size/Type Pipe:	64" x 43"	L =	100 ft	Outlet Inv. Elev.:	2015.24
Type Entrance:	H.W.				
Direction of Flow:	R-L				
Hydrological Method:	Q100 urban				
H.W. Control Elevation:	2025.78				

Plan Summary Data	
Drainage Area:	25.3 acre
Design Freq.:	50 yr
Design Disch.:	74 cfs
Design H.W. Elev.:	2021.17
Q100 Disch.:	86 cfs
Q100 Elev.:	2021.57
Overtopping Freq.:	> 500 yr
Overtopping Disch.:	170
Overtopping Elev.:	2025.67

Permit Drawing
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STATION 28 + 04.97

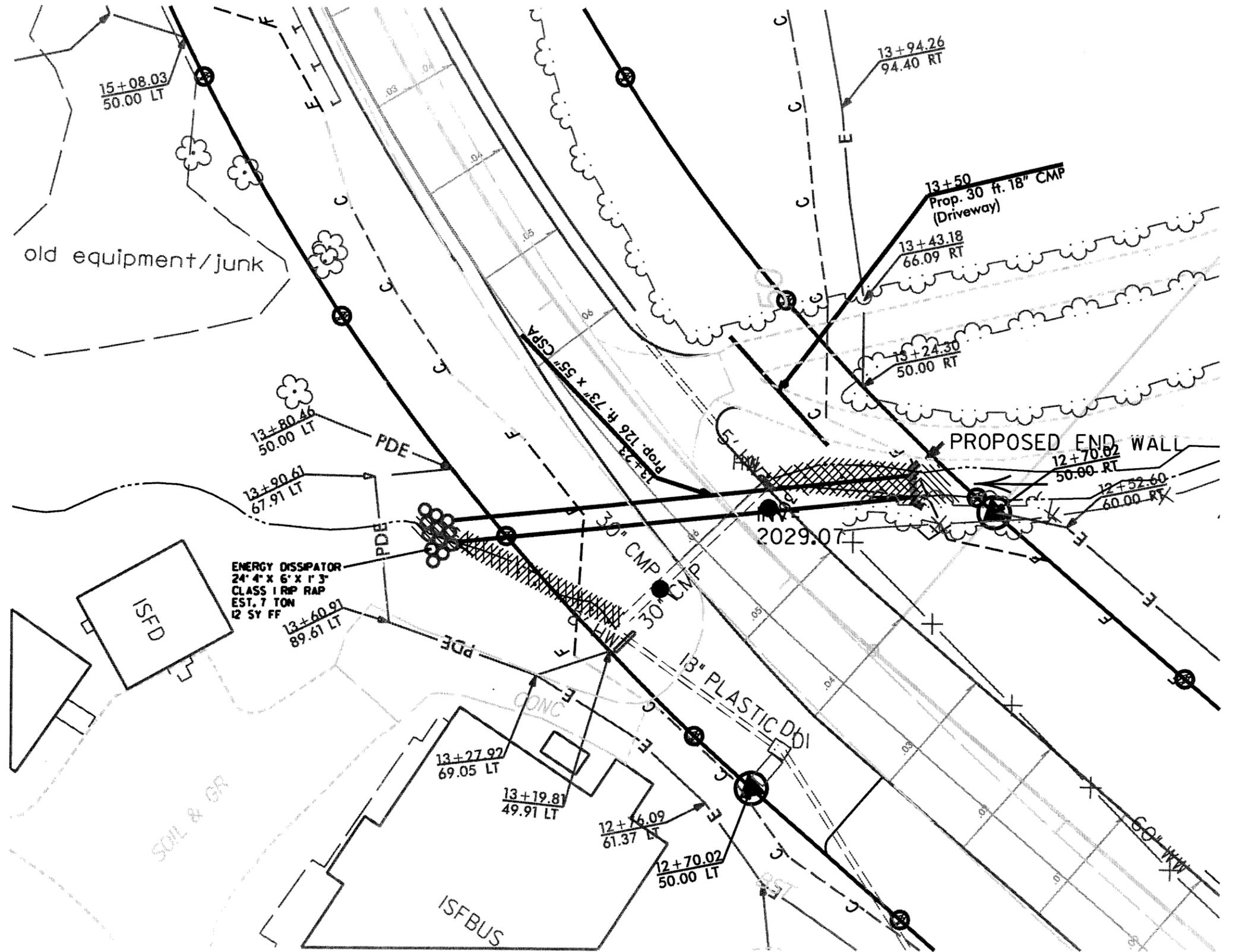


R-2408A

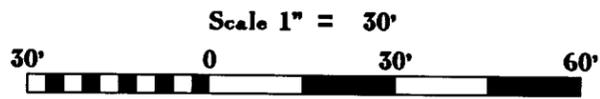
Site 3 Station 13+23 -Y1-

Place coir fiber matting below bankfull elevation at the pipe inlet and outlet.
Establish vegetation above bankfull elevation.

Permit Drawing
Sheet 11 of 13
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NAD 83



DENOTES TEMPORARY
FILL IN SURFACE
WATER



DENOTES FILL IN
SURFACE WATER

R-2408A

Site 3 Station 13+23 Y1
Proposed 126' 73" x 55" CSPA

Permit Drawing
Sheet 13 of 13
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