

5/14/99

BEGIN CONSTRUCTION  
 -Y4- POT Sta. 13+03.00  
 CURRIN HEIRS LLC  
 DB 2612 PG 367

BEGIN CONSTRUCTION  
 -Y4B- POC Sta. 10+02.00  
 END CONSTRUCTION  
 -Y4B- POC Sta. 11+10.00

BEGIN CONSTRUCTION  
 -Y4B- POT Sta. 15+05.00

END CONSTRUCTION  
 -Y4A- POT Sta. 12+90.74

BEGIN CONSTRUCTION  
 -Y4A- POT Sta. 17+50.00

END CONSTRUCTION  
 -Y4- POT Sta. 25+77.00

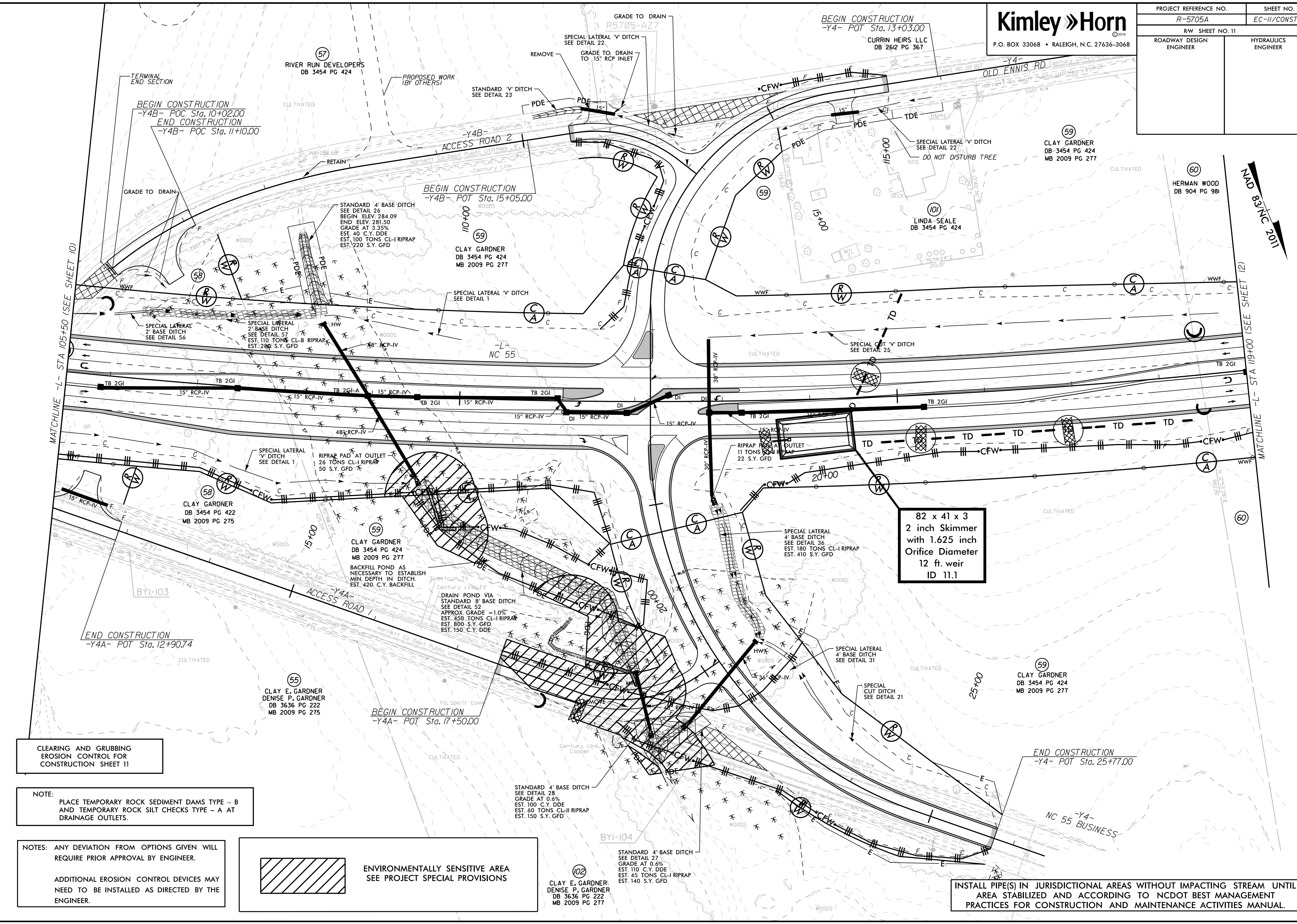
CLEARING AND GRUBBING  
 EROSION CONTROL FOR  
 CONSTRUCTION SHEET 11

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

NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL  
 REQUIRE PRIOR APPROVAL BY ENGINEER.  
  
 ADDITIONAL EROSION CONTROL DEVICES MAY  
 NEED TO BE INSTALLED AS DIRECTED BY THE  
 ENGINEER.

 ENVIRONMENTALLY SENSITIVE AREA  
 SEE PROJECT SPECIAL PROVISIONS

INSTALL PIPE(S) IN JURISDICTIONAL AREAS WITHOUT IMPACTING STREAM UNTIL  
 AREA STABILIZED AND ACCORDING TO NCDOT BEST MANAGEMENT  
 PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES MANUAL.



REVISIONS

NAD 83/NC 2011

PROJECT REFERENCE NO.	SHEET NO.
R-5705A	EC-12/CONST.12
RW SHEET NO. 12	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

INSTALL PIPE(S) IN JURISDICTIONAL AREAS WITHOUT IMPACTING STREAM UNTIL AREA STABILIZED AND ACCORDING TO NCDOT BEST MANAGEMENT PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES MANUAL.

NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.

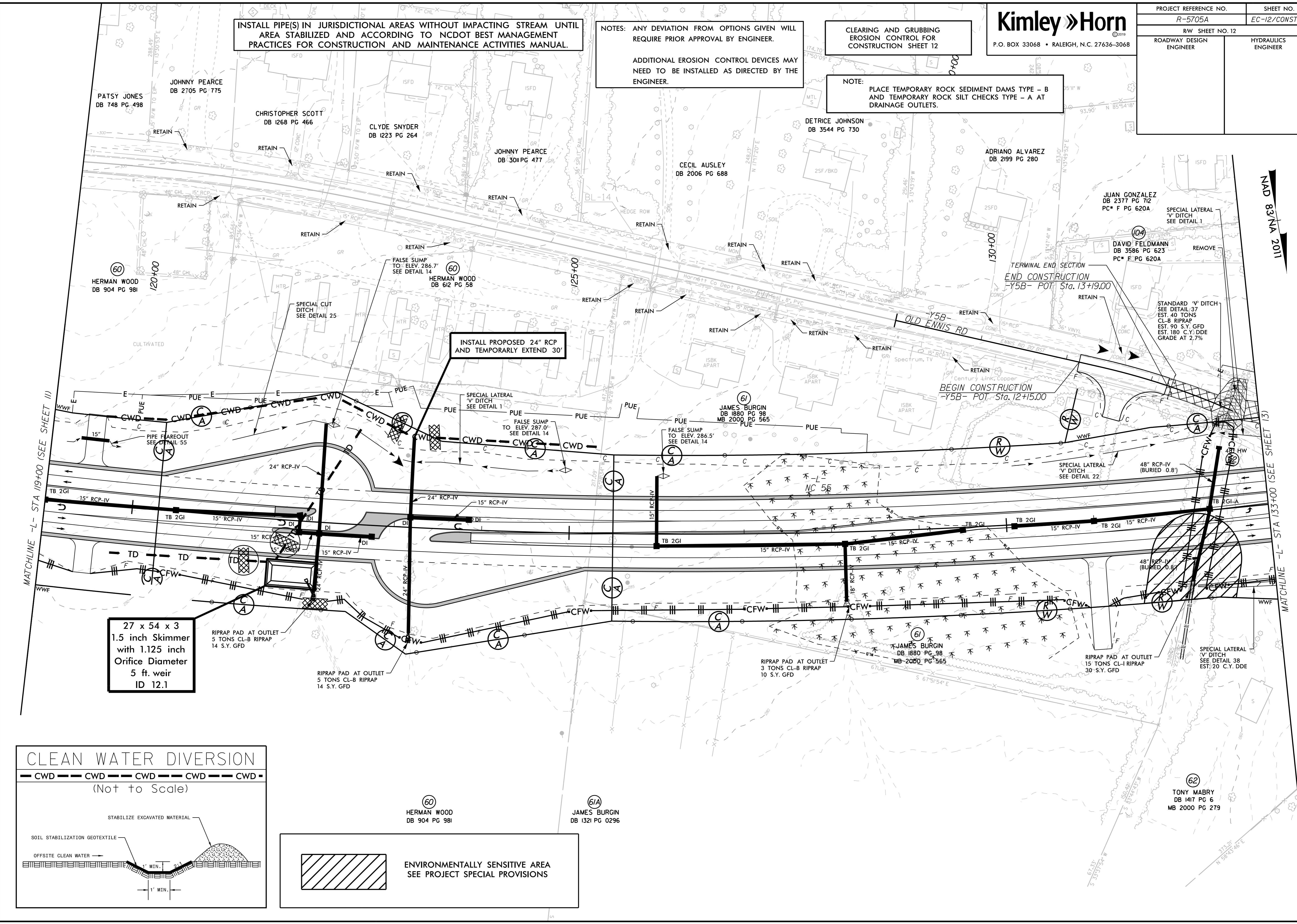
CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 12

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

ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

5/14/99

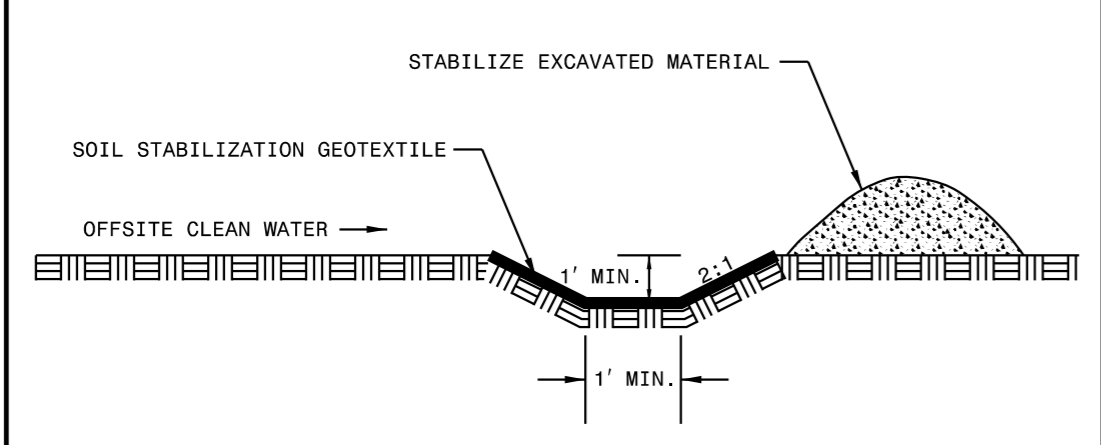
NAD 83/NA 2011



INSTALL PROPOSED 24" RCP AND TEMPORARILY EXTEND 30'

27 x 54 x 3  
1.5 inch Skimmer  
with 1.125 inch  
Orifice Diameter  
5 ft. weir  
ID 12.1

**CLEAN WATER DIVERSION**  
--- CWD --- CWD --- CWD --- CWD --- CWD ---  
(Not to Scale)



REVISIONS

5/14/99

JON SALSURBY  
DB 2382 PG 966  
PC\* F PG 620A

JUAN GONZALEZ  
DB 2377 PG 712  
PC\* F PG 620A

DAVID FELDMANN  
DB 3586 PG 623  
PC\* F PG 620A

62 TONY MABRY  
DB 1417 PG 6  
MB 2000 PG 279

63 CHRISTY JORDAN  
DB 3524 PG 729  
MB 2000 PG 466

105 STEPHEN YEO  
DB 3359 PG 962  
MB 2000 PG 466

LETESHA WYNN  
DB 2136 PG 830  
MB 2000 PG 466

BOBBY MABRY  
DB 3404 PG 350  
MB 2016 PG 25

103 BENNIE MANGUM  
DB 799 PG 611

64 JOSEPH LIPSCOMB  
DB 1903 PG 67

65 LORIMCVEIGH PERRY  
LAYTON ANDREW PERRY  
DB 3743 PG 300

66 WILLIAM HAWLEY  
DB 1889 PG 108  
MB 2016 PG 67

67 DANIEL HONEYCUTT  
DB 3182 PG 966

SHIRLEY HAWLEY  
DB 3184 PG 180

THOMAS NORMAN  
DB 2175 PG 234

NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL  
REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY  
NEED TO BE INSTALLED AS DIRECTED BY THE  
ENGINEER.

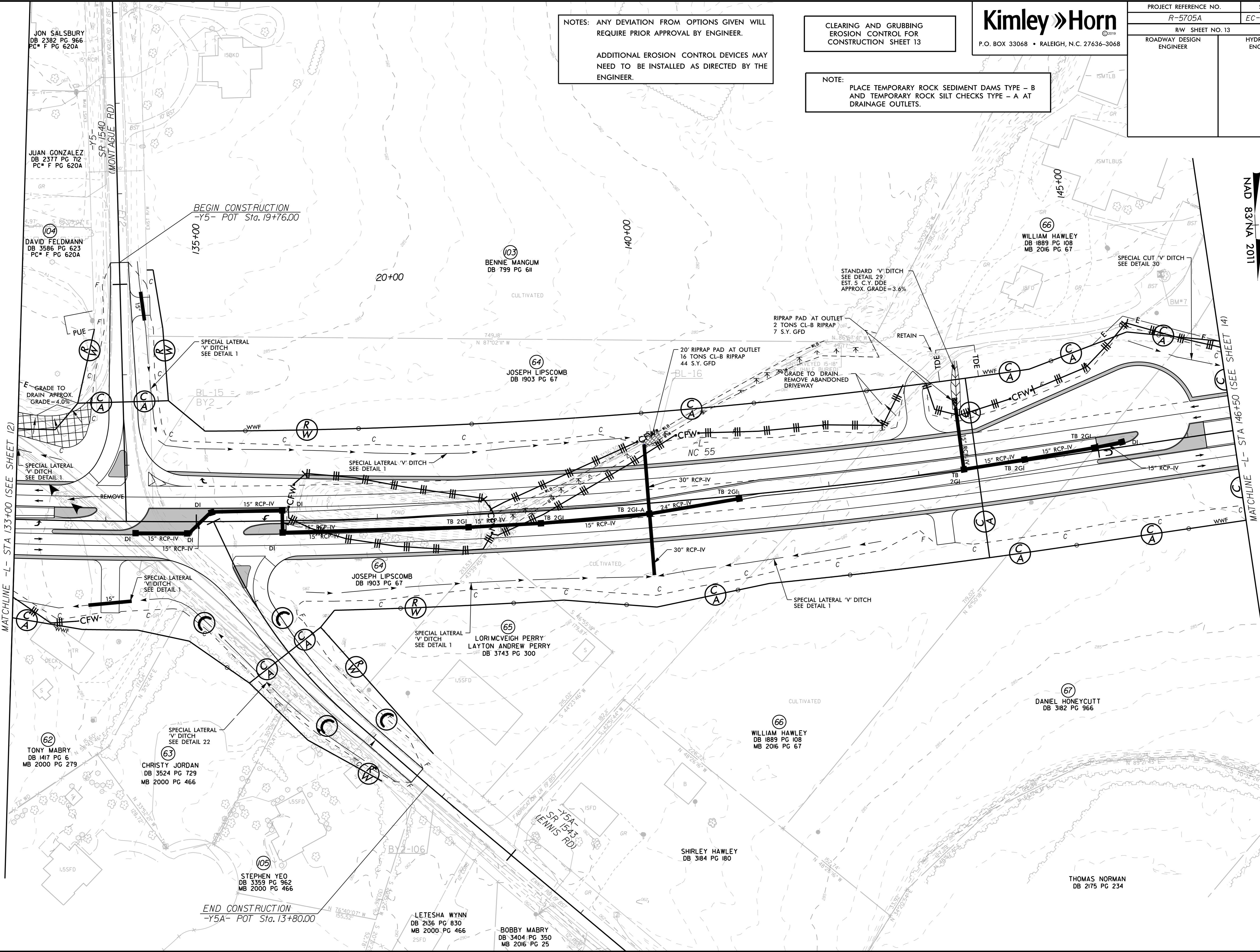
CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 13

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

**Kimley » Horn**

P.O. BOX 33068 • RALEIGH, N.C. 27636-3068

PROJECT REFERENCE NO. R-5705A	SHEET NO. EC-13/CONST.13
RW SHEET NO. 13	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	



REVISIONS

NAD 83/NA 2011

PROJECT REFERENCE NO. R-5705A	SHEET NO. EC-14/CONST.14
RW SHEET NO. 14	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 14

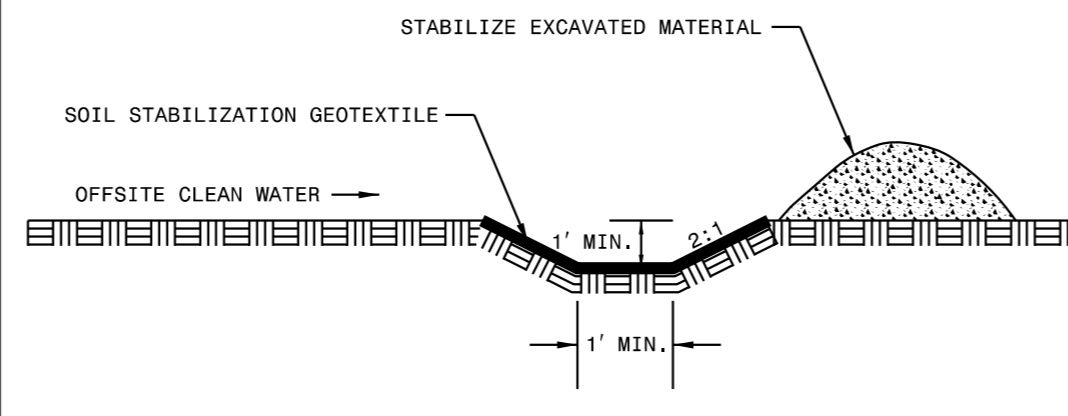
NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B  
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT  
DRAINAGE OUTLETS.

NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL  
REQUIRE PRIOR APPROVAL BY ENGINEER.

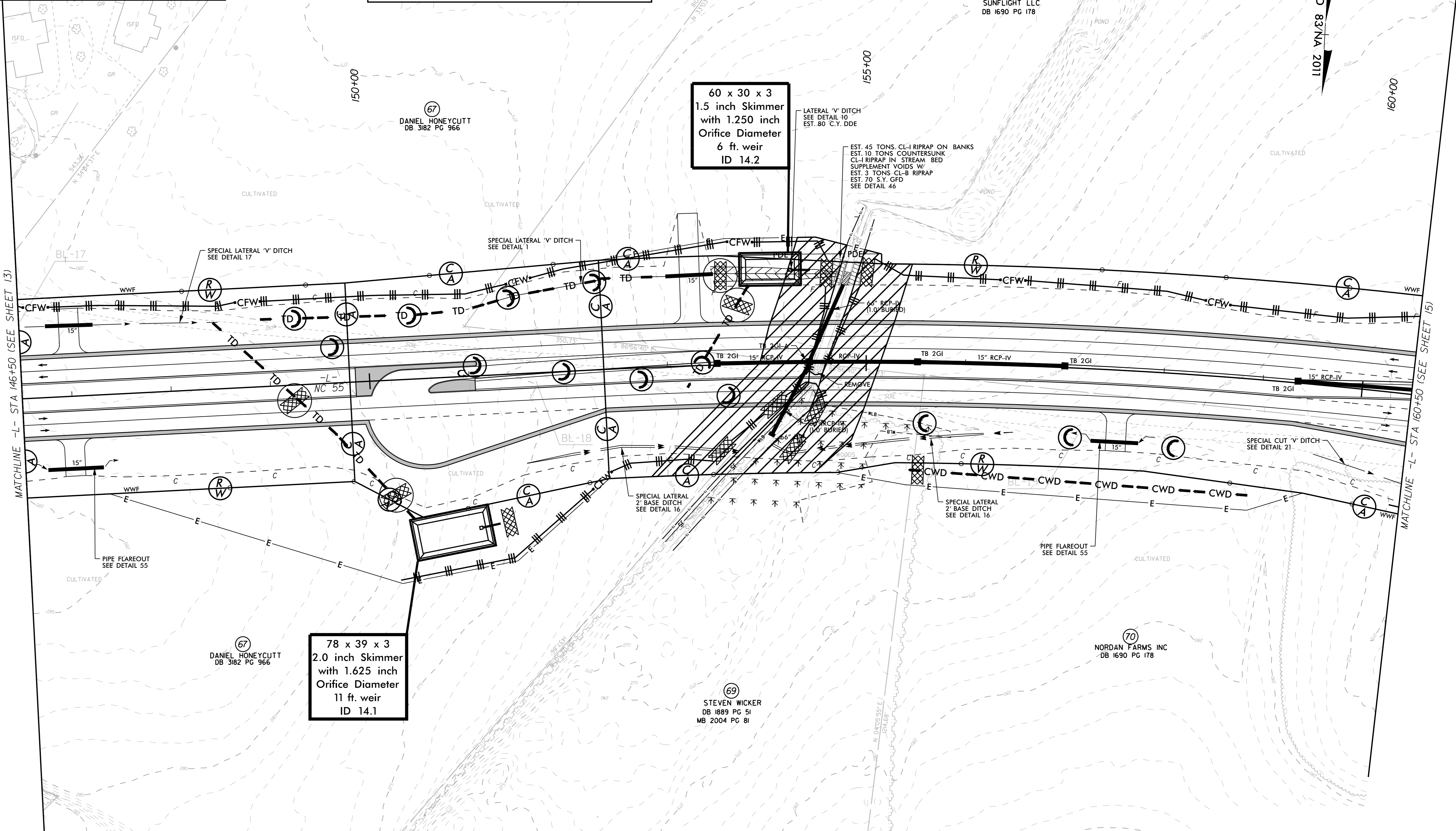
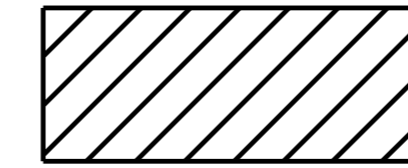
ADDITIONAL EROSION CONTROL DEVICES MAY  
NEED TO BE INSTALLED AS DIRECTED BY THE  
ENGINEER.

**CLEAN WATER DIVERSION**

--- CWD --- CWD --- CWD --- CWD --- CWD --- CWD --- CWD --- CWD ---  
(Not to Scale)



**ENVIRONMENTALLY SENSITIVE AREA**  
SEE PROJECT SPECIAL PROVISIONS



**60 x 30 x 3**  
1.5 inch Skimmer  
with 1.250 inch  
Orifice Diameter  
6 ft. weir  
ID 14.2

**78 x 39 x 3**  
2.0 inch Skimmer  
with 1.625 inch  
Orifice Diameter  
11 ft. weir  
ID 14.1

EST. 45 TONS CL-1 RIPRAP ON BANKS  
EST. 10 TONS COUNTERSUNK  
CL-1 RIPRAP IN STREAM BED  
SUPPLEMENT VOIDS W/  
EST. 3 TONS CL-B RIPRAP  
EST. 70 S.Y. GFD  
SEE DETAIL 46

REVISIONS

MATCHLINE -L- STA 146+50 (SEE SHEET 13)

MATCHLINE -L- STA 160+50 (SEE SHEET 15)

NAD 83/NA 2011

5/14/99

WILLIAM HAWLEY

67 DANIEL HONEYCUTT  
DB 3182 PG 966

68 SUNFLIGHT LLC  
DB 1690 PG 178

67 DANIEL HONEYCUTT  
DB 3182 PG 966

69 STEVEN WICKER  
DB 1889 PG 51  
MB 2004 PG 81

70 NORDAN FARMS INC  
DB 1690 PG 178

5/14/99

PROJECT REFERENCE NO. R-5705A	SHEET NO. EC-14A/CONST.14
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# CULVERT CONSTRUCTION SEQUENCE STA. 154+50 -L-

## PHASE I

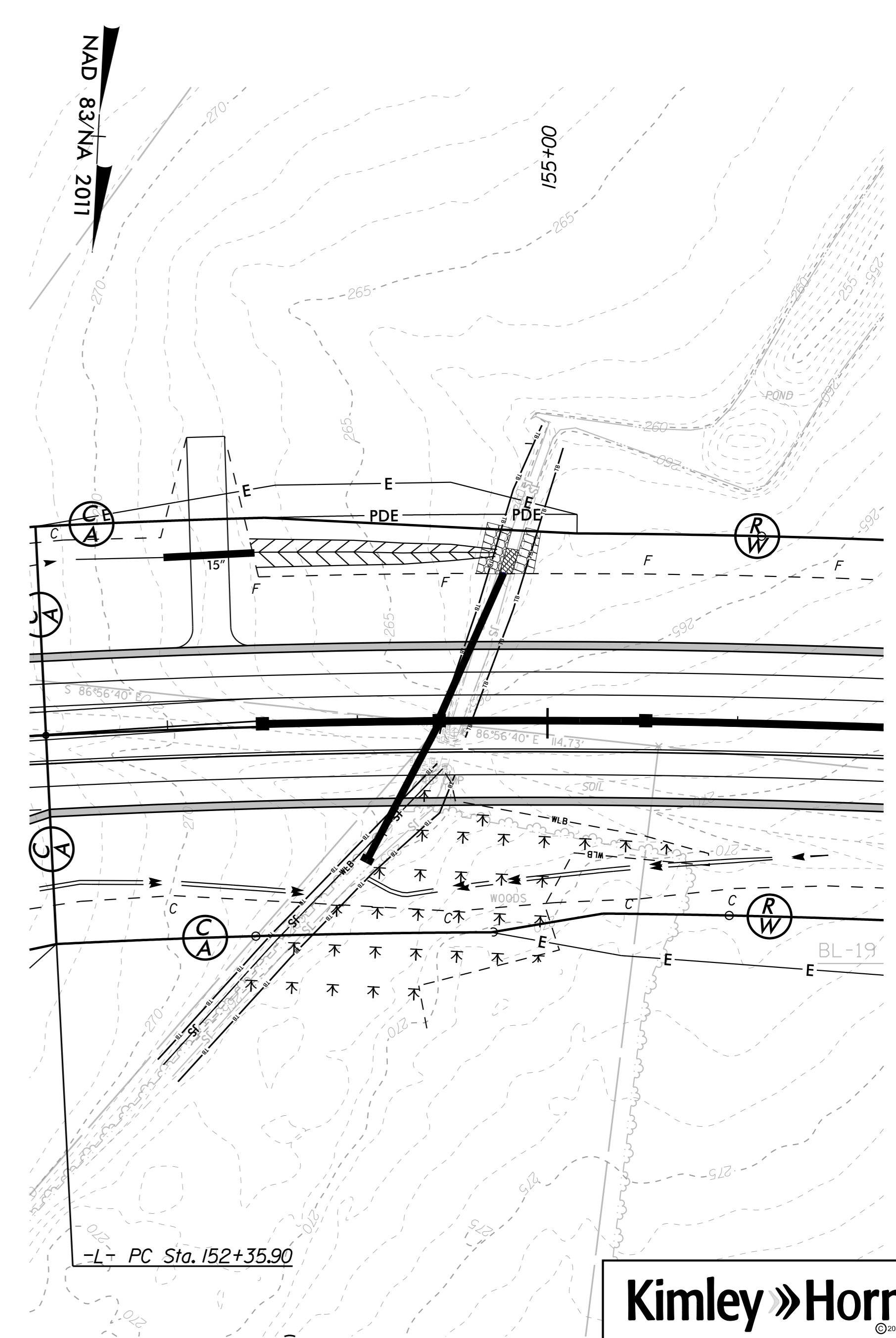
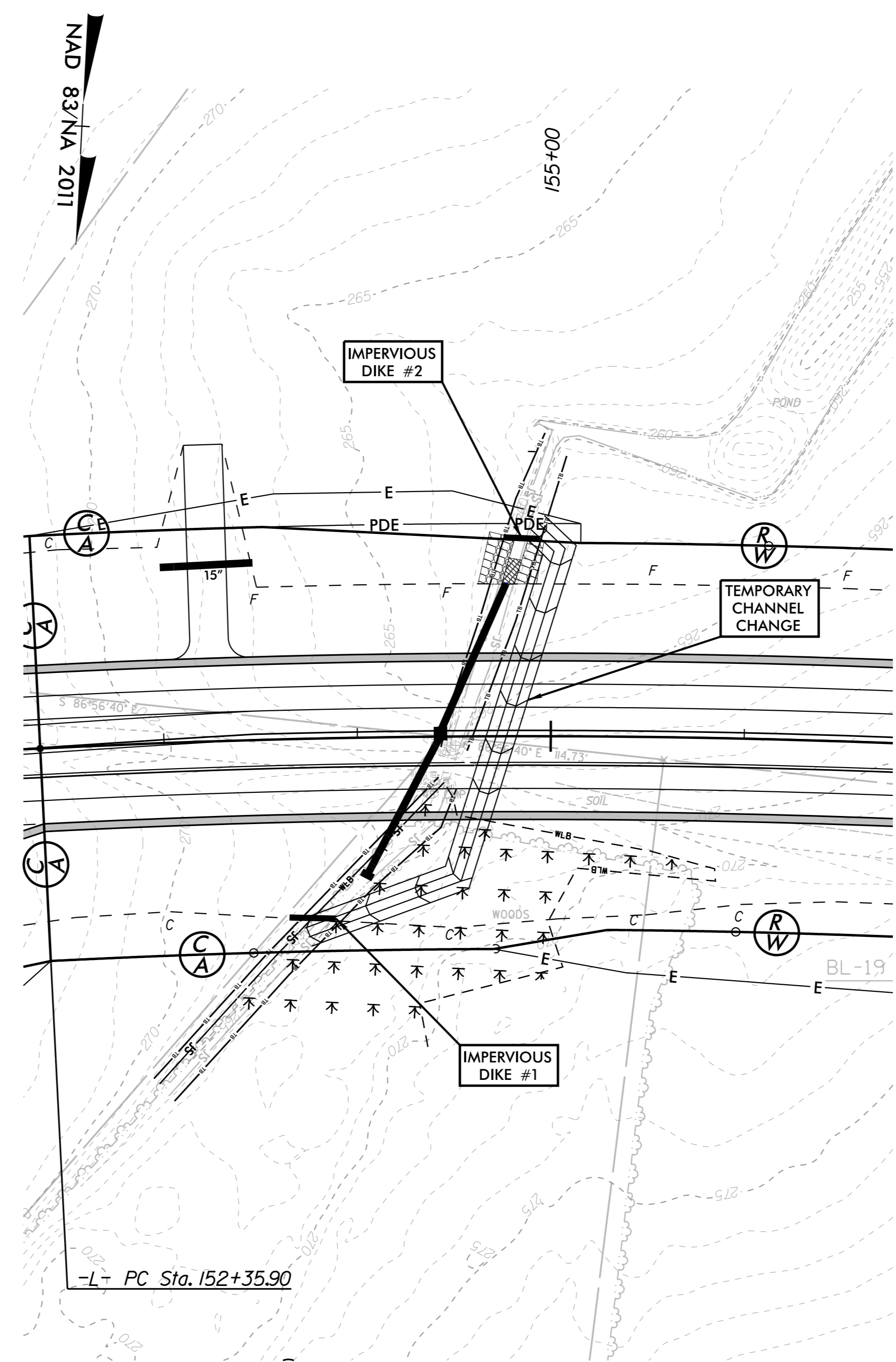
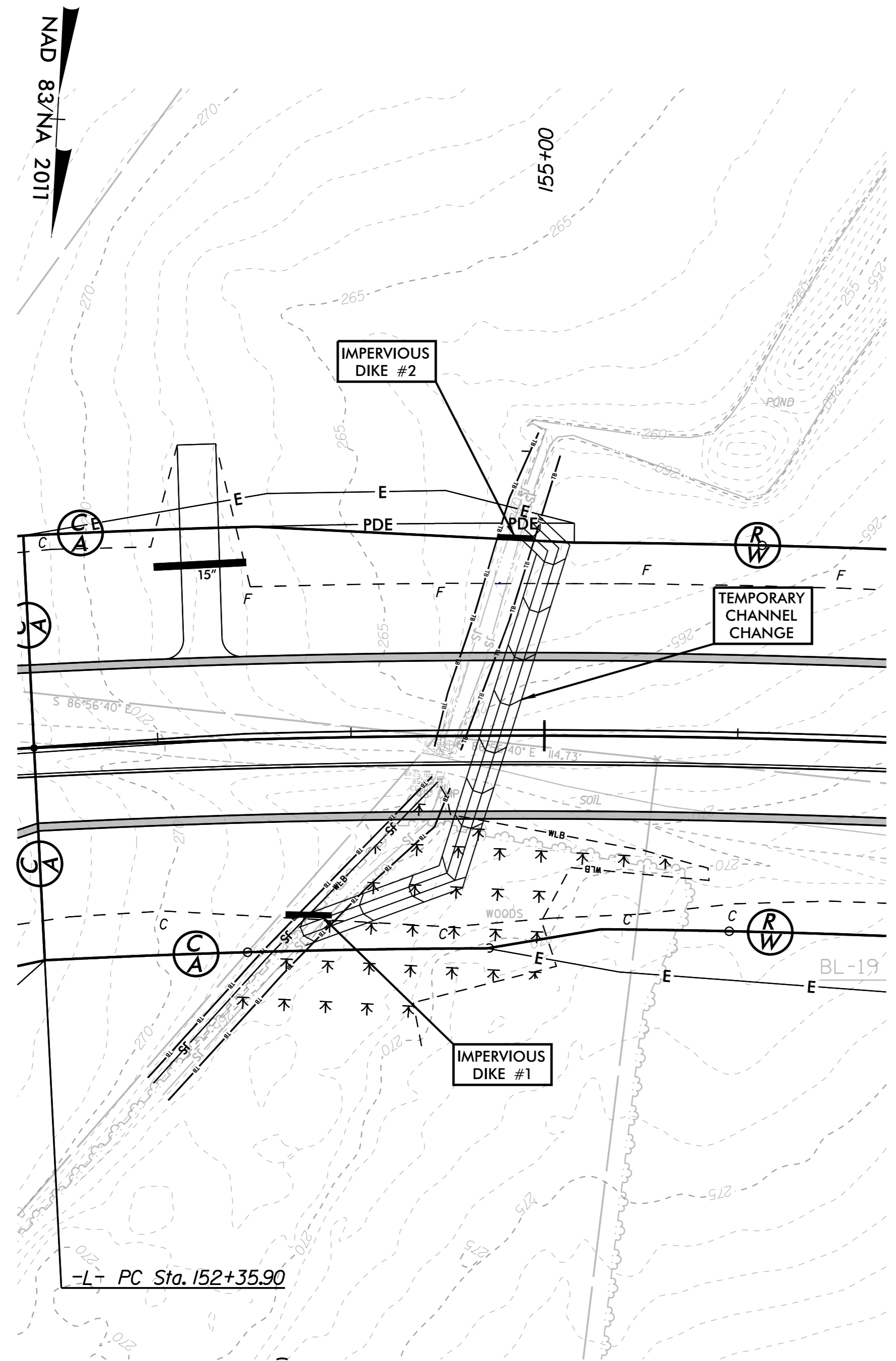
- 1.) UTILIZE SPECIAL STILLING BASIN(S) DURING CONSTRUCTION AS NEEDED TO DEWATER WORK SITE. (TYP.)
- 2.) CONSTRUCT TEMPORARY CHANNEL CHANGE WITH LINER (5 FT BASE, 2.5 FT DEEP, 2:1 SIDE SLOPES).
- 3.) CONSTRUCT IMPERVIOUS DIKES 1 AND 2, DIVERTING FLOW THROUGH TEMPORARY CHANNEL CHANGE.

## PHASE II

- 1.) CONSTRUCT PROPOSED 66" RCP
- 2.) ADJUST TEMPORARY CHANNEL CHANGE AS NECESSARY TO MAKE UPSTREAM AND DOWNSTREAM CHANNEL IMPROVEMENTS WITHIN EASEMENTS AND PLACE REQUIRED RIPRAP AND MATTING ON CHANNEL BANKS.

## PHASE III

- 1.) REMOVE IMPERVIOUS DIKES 1 AND 2 AND REMOVE TEMPORARY CHANNEL CHANGE.
- 2.) REMOVE SPECIAL STILLING BASIN.
- 3.) STABILIZE DISTURBED AREA AND REMOVE ALL EROSION AND SEDIMENT CONTROL DEVICES AS DIRECTED.
- 4.) FINISH ROADWAY AND DRAINAGE CONSTRUCTION.



11/16/2022

5/14/99

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 15

NOTE:

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

NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL  
REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY  
NEED TO BE INSTALLED AS DIRECTED BY THE  
ENGINEER.

SUNFLIGHT LLC  
DB 1690 PG 178

STANDARD 6' BASE DITCH  
SEE DETAIL 64  
EST. 20 C.Y. DDE  
EST. 50 TONS CL-B RIPRAP  
EST. 100 S.Y. GFD

TOE PROTECTION  
SEE DETAIL 12  
EST. 42 TONS CL-B RIPRAP  
EST. 130 S.Y. GFD

**Kimley » Horn**

P.O. BOX 33068 • RALEIGH, N.C. 27636-3068

PROJECT REFERENCE NO. SHEET NO.

R-5705A EC-15/CONST.15

RW SHEET NO. 15 ROADWAY DESIGN ENGINEER HYDRAULICS ENGINEER

NAD 83/NA 2011  
170+00

BEGIN CONSTRUCTION  
-Y6- POT Sta. 13+41.00

END CONSTRUCTION  
-DRW2- PT Sta. 12+00.00

DOUGLAS WILLIAMS  
DB 2663 PG 491

SUNFLIGHT LLC  
DB 1690 PG 178

SUNFLIGHT LLC  
DB 1690 PG 178

NORDAN FARMS INC  
DB 1690 PG 178

JAMIE MASON  
DB 272 PG 84

CONNIE ADAMS  
DB 950 PG 790

CONNIE RITTER  
DB 1857 PG 257

GILBERT RITTER  
DB 1183 PG 808

CHRISTIAN CRUZ  
DB 3447 PG 522

RICHARD MILLER  
DB 3415 PG 856  
MB 2004 PG 428

SUNNY DEAN  
DB 3502 PG 424  
MB 2015 PG 249

NORDAN FARMS INC  
DB 1690 PG 178

END CONSTRUCTION  
-Y6- POT Sta. 22+44.00

BEGIN CONSTRUCTION  
-Y6A- POC Sta. 16+66.00

END CONSTRUCTION  
-Y6A- POC Sta. 18+19.00

STANDARD V' DITCH  
SEE DETAIL 29  
EST. 35 C.Y. DDE  
APPROX. GRADE=2.0%

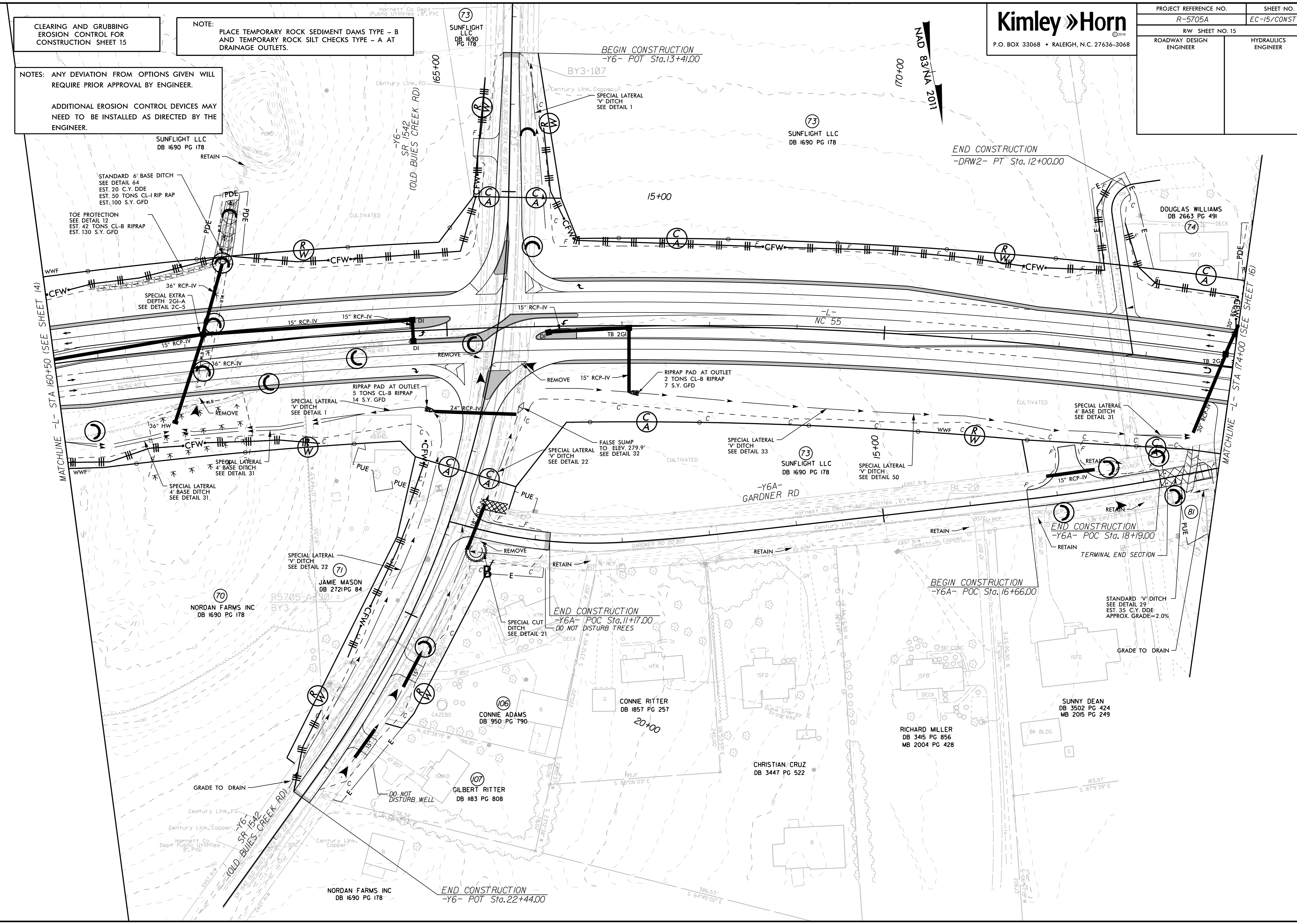
GRADE TO DRAIN

TERMINAL END SECTION

REVISIONS

MATCHLINE -L- STA 160+50 (SEE SHEET 14)

MATCHLINE -L- STA 174+00 (SEE SHEET 16)



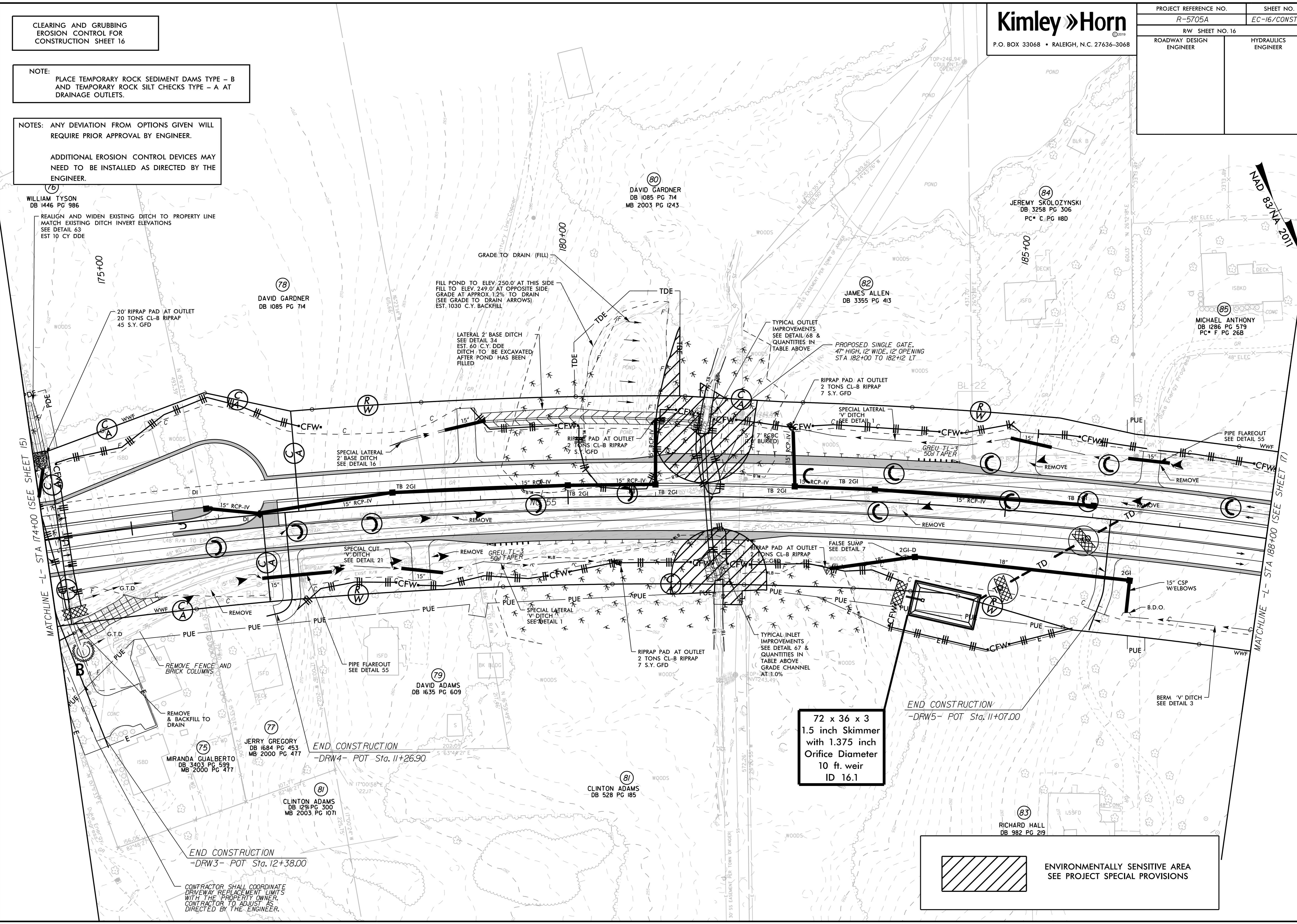
**CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 16**

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

**NOTES:** ANY DEVIATION FROM OPTIONS GIVEN WILL  
REQUIRE PRIOR APPROVAL BY ENGINEER.  
  
ADDITIONAL EROSION CONTROL DEVICES MAY  
NEED TO BE INSTALLED AS DIRECTED BY THE  
ENGINEER.

REVISIONS

NAD 83 NA 2011



(6) WILLIAM TYSON  
DB 1446 PG 986  
REALIGN AND WIDEN EXISTING DITCH TO PROPERTY LINE  
MATCH EXISTING DITCH INVERT ELEVATIONS  
SEE DETAIL 63  
EST 10 CY DDE

(78) DAVID GARDNER  
DB 1085 PG 714

(80) DAVID GARDNER  
DB 1085 PG 714  
MB 2003 PG 1243

(82) JAMES ALLEN  
DB 3355 PG 413

(84) JEREMY SKOLOZYNSKI  
DB 3258 PG 306  
PC\* C PG 118D

(85) MICHAEL ANTHONY  
DB 1286 PG 579  
PC\* F PG 26B

FILL POND TO ELEV. 250.0' AT THIS SIDE  
FILL TO ELEV. 249.0' AT OPPOSITE SIDE  
GRADE AT APPROX. 1.2% TO DRAIN  
(SEE GRADE TO DRAIN ARROWS)  
EST. 1030 C.Y. BACKFILL

LATERAL 2" BASE DITCH  
SEE DETAIL 34  
EST 60 C.Y. DDE  
DITCH TO BE EXCAVATED  
AFTER POND HAS BEEN  
FILLED

TYPICAL OUTLET  
IMPROVEMENTS  
SEE DETAIL 68 &  
QUANTITIES IN  
TABLE ABOVE

PROPOSED SINGLE GATE,  
4" HIGH, 12" WIDE, 12" OPENING  
STA 182+00 TO 182+12 LT

RIPRAP PAD AT OUTLET  
2 TONS CL-B RIPRAP  
7 S.Y. GFD

SPECIAL LATERAL  
2" BASE DITCH  
SEE DETAIL 16

RIPRAP PAD AT OUTLET  
2 TONS CL-B RIPRAP  
7 S.Y. GFD

SPECIAL LATERAL  
2" DITCH  
SEE DETAIL 1

MATCHLINE -L- STA 174+00 (SEE SHEET 15)

MATCHLINE -L- STA 188+00 (SEE SHEET 17)

SPECIAL CUT  
"V" DITCH  
SEE DETAIL 21

RIPRAP PAD AT OUTLET  
2 TONS CL-B RIPRAP  
7 S.Y. GFD

TYPICAL INLET  
IMPROVEMENTS  
SEE DETAIL 67 &  
QUANTITIES IN  
TABLE ABOVE  
GRADE CHANNEL  
AT 1.0%

REMOVE FENCE AND  
BRICK COLUMNS

(79) DAVID ADAMS  
DB 1635 PG 609

(77) JERRY GREGORY  
DB 1684 PG 453  
MB 2000 PG 477

(75) MIRANDA GUALBERTO  
DB 3403 PG 599  
MB 2000 PG 477

END CONSTRUCTION  
-DRW4- POT Sta. 11+26.90

END CONSTRUCTION  
-DRW3- POT Sta. 12+38.00

CONTRACTOR SHALL COORDINATE  
DRIVEWAY REPLACEMENT LIMITS  
WITH THE PROPERTY OWNER.  
CONTRACTOR TO ADJUST AS  
DIRECTED BY THE ENGINEER.

(81) CLINTON ADAMS  
DB 528 PG 185

72 x 36 x 3  
1.5 inch Skimmer  
with 1.375 inch  
Orifice Diameter  
10 ft. weir  
ID 16.1

END CONSTRUCTION  
-DRW5- POT Sta. 11+07.00

(83) RICHARD HALL  
DB 982 PG 219

 ENVIRONMENTALLY SENSITIVE AREA  
SEE PROJECT SPECIAL PROVISIONS

PROJECT REFERENCE NO. R-5705A	SHEET NO. EC-16A/CONST.16
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# CULVERT CONSTRUCTION SEQUENCE STA. 181+66 -L-

## PHASE I

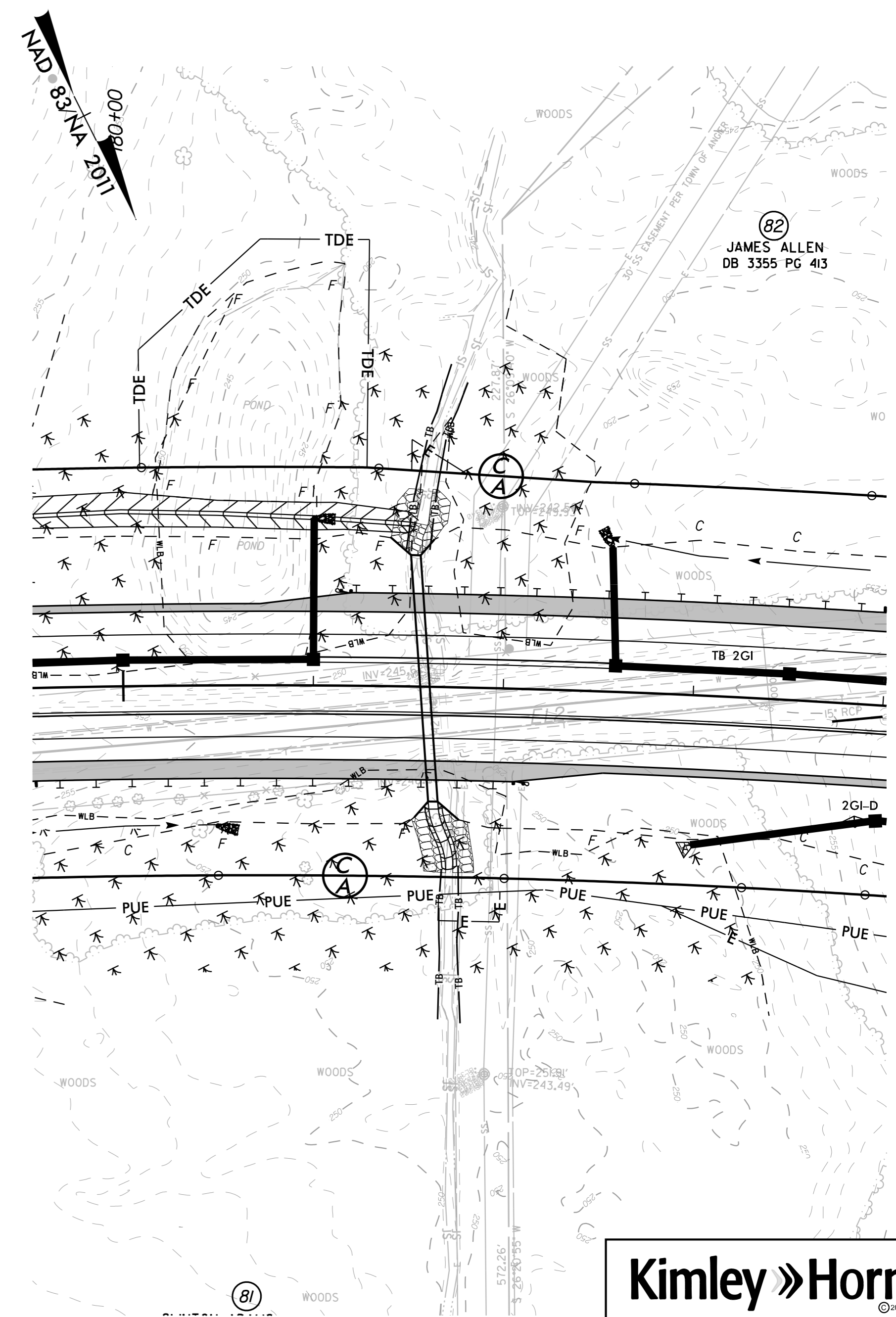
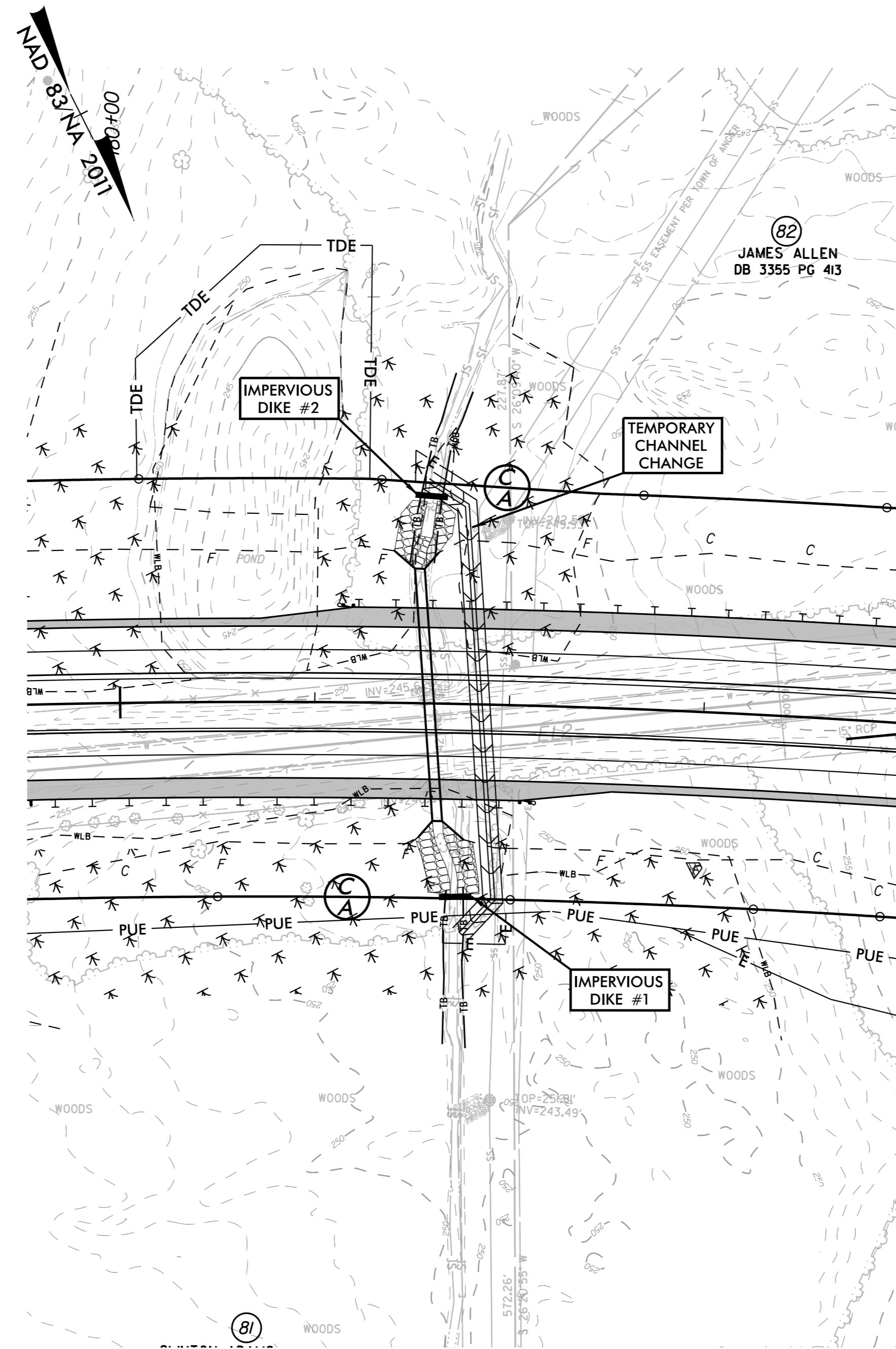
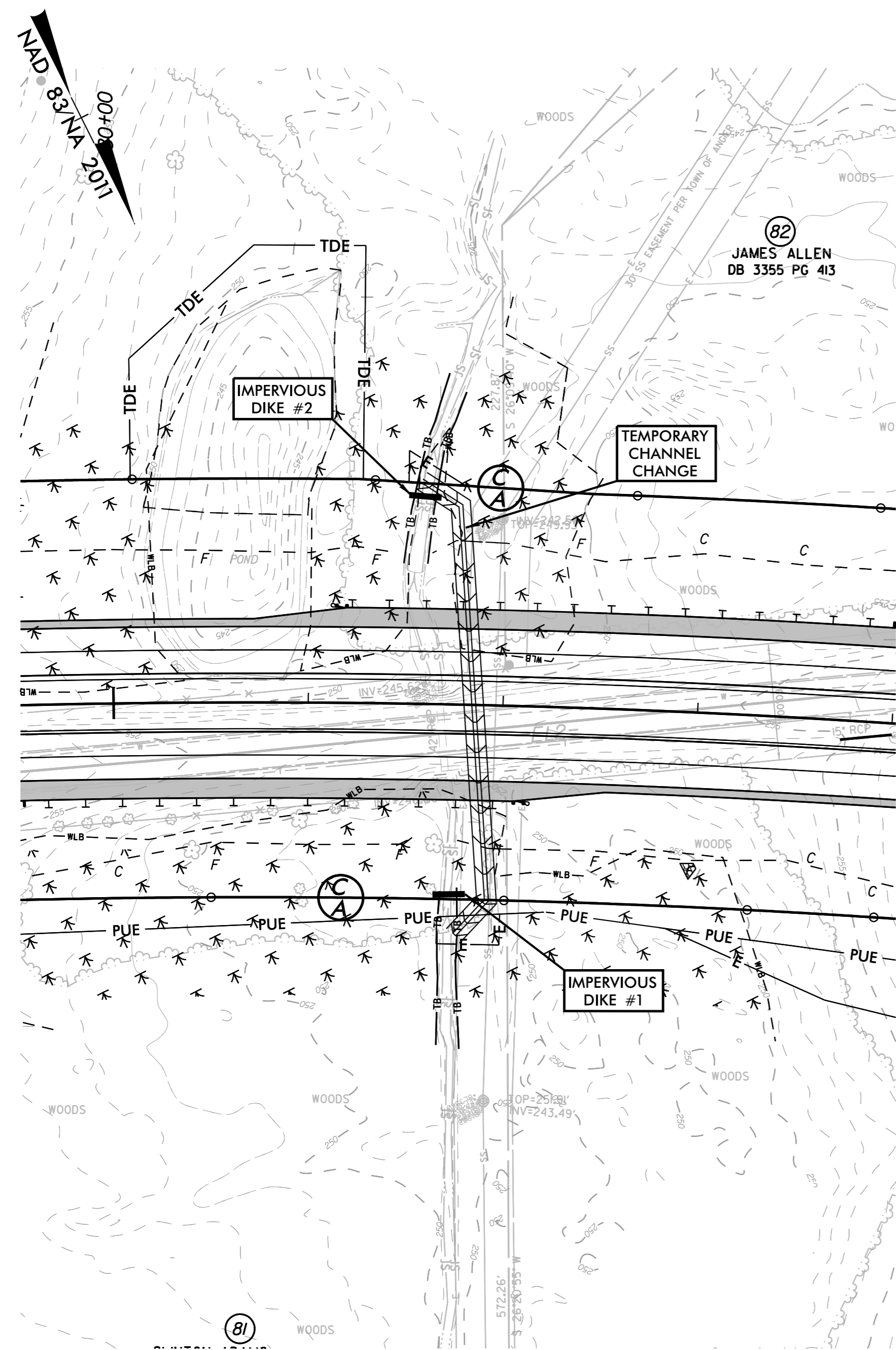
- 1.) UTILIZE SPECIAL STILLING BASIN(S) DURING CONSTRUCTION AS NEEDED TO DEWATER WORK SITE. (TYP.)
- 2.) CONSTRUCT TEMPORARY CHANNEL CHANGE WITH LINER (2 FT BASE, 2 FT DEEP, 2:1 SIDE SLOPES).
- 3.) CONSTRUCT IMPERVIOUS DIKES 1 AND 2, DIVERTING FLOW THROUGH TEMPORARY CHANNEL CHANGE.

## PHASE II

- 1.) REMOVE EXISTING 42" RCP AND CONSTRUCT PROPOSED 5'x7' RCBC
- 2.) ADJUST TEMPORARY CHANNEL CHANGE AS NECESSARY TO MAKE UPSTREAM AND DOWNSTREAM CHANNEL IMPROVEMENTS WITHIN EASEMENTS AND PLACE REQUIRED RIPRAP AND MATTING ON CHANNEL BANKS.

## PHASE III

- 1.) REMOVE IMPERVIOUS DIKES 1 AND 2 AND THE TEMPORARY CHANNEL CHANGE.
- 2.) REMOVE SPECIAL STILLING BASIN.
- 3.) STABILIZE DISTURBED AREA AND REMOVE ALL EROSION AND SEDIMENT CONTROL DEVICES AS DIRECTED.
- 4.) FINISH ROADWAY AND DRAINAGE CONSTRUCTION.





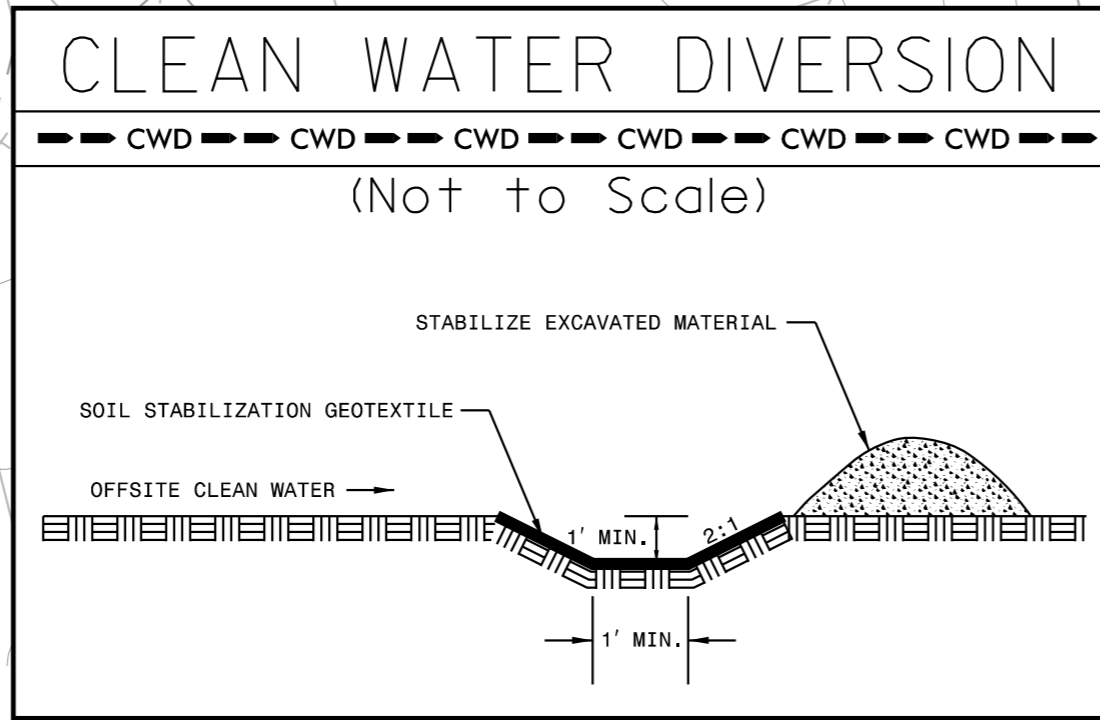
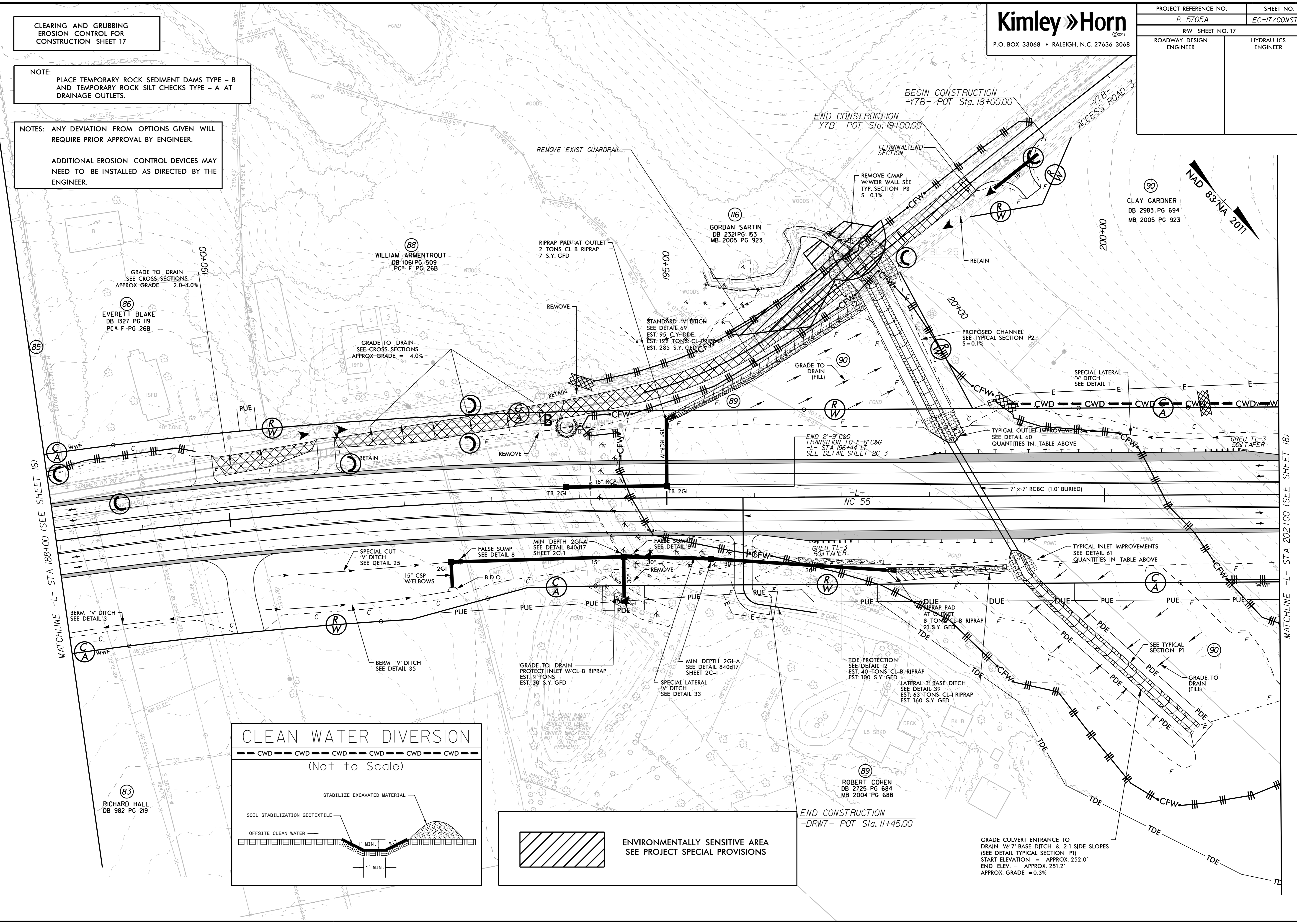
PROJECT REFERENCE NO. R-5705A	SHEET NO. EC-17/CONST.17
RW SHEET NO. 17	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 17

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

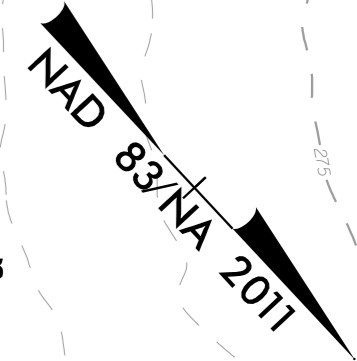
NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL  
REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY  
NEED TO BE INSTALLED AS DIRECTED BY THE  
ENGINEER.



REVISIONS

MATCHLINE -L- STA 202+00 (SEE SHEET 18)



90  
CLAY GARDNER  
DB 2983 PG 694  
MB 2005 PG 923

83  
RICHARD HALL  
DB 982 PG 219

END CONSTRUCTION  
-DRW7- POT Sta. 11+45.00

GRADE CULVERT ENTRANCE TO  
DRAIN W/7' BASE DITCH & 2:1 SIDE SLOPES  
(SEE DETAIL TYPICAL SECTION P1)  
START ELEVATION = APPROX. 252.0'  
END ELEV. = APPROX. 251.2'  
APPROX. GRADE = 0.3%

5/14/99

PROJECT REFERENCE NO. R-5705A	SHEET NO. EC-17A/CONST.17
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# CULVERT CONSTRUCTION SEQUENCE STA. 198+61 -L-

## PHASE I

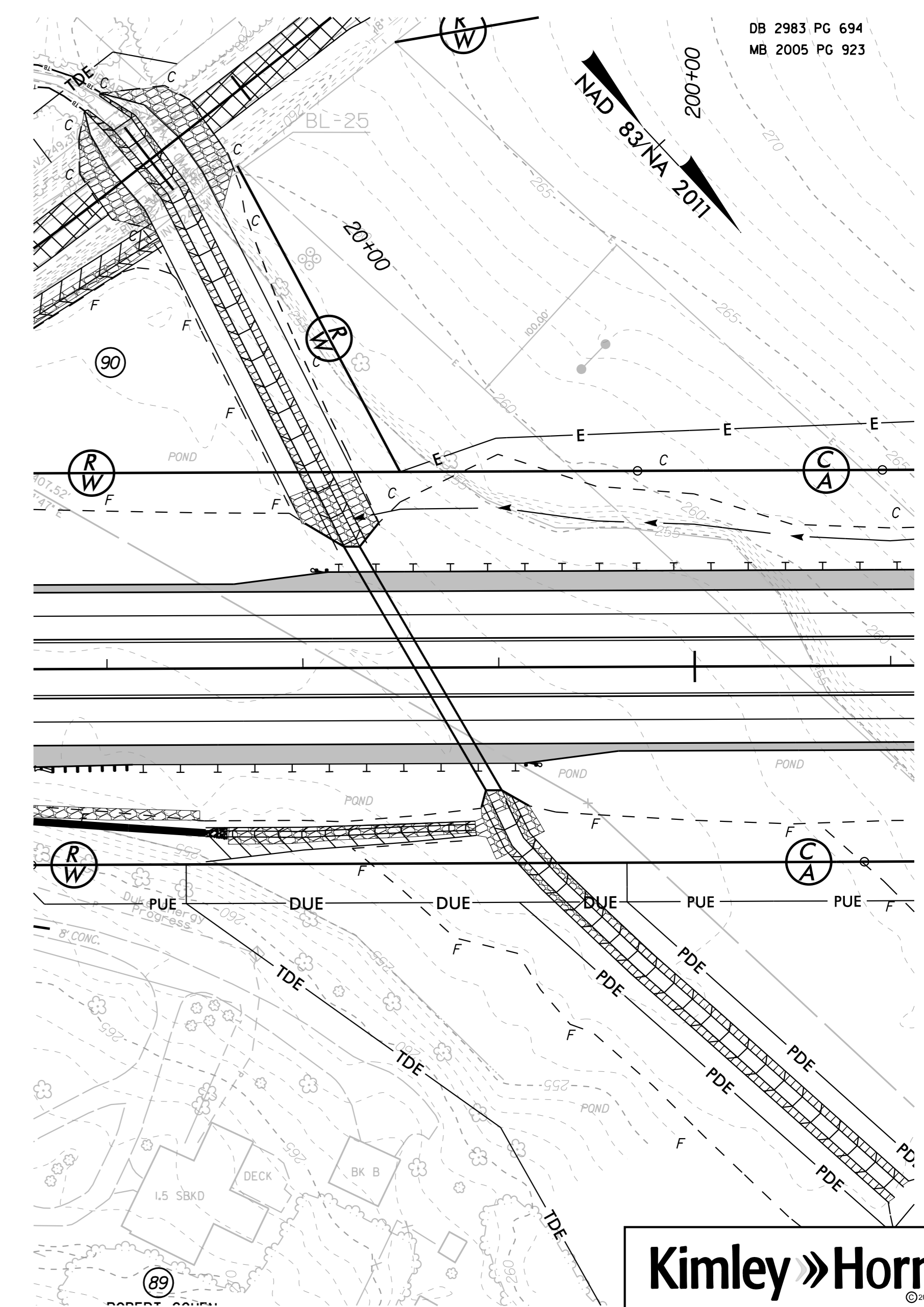
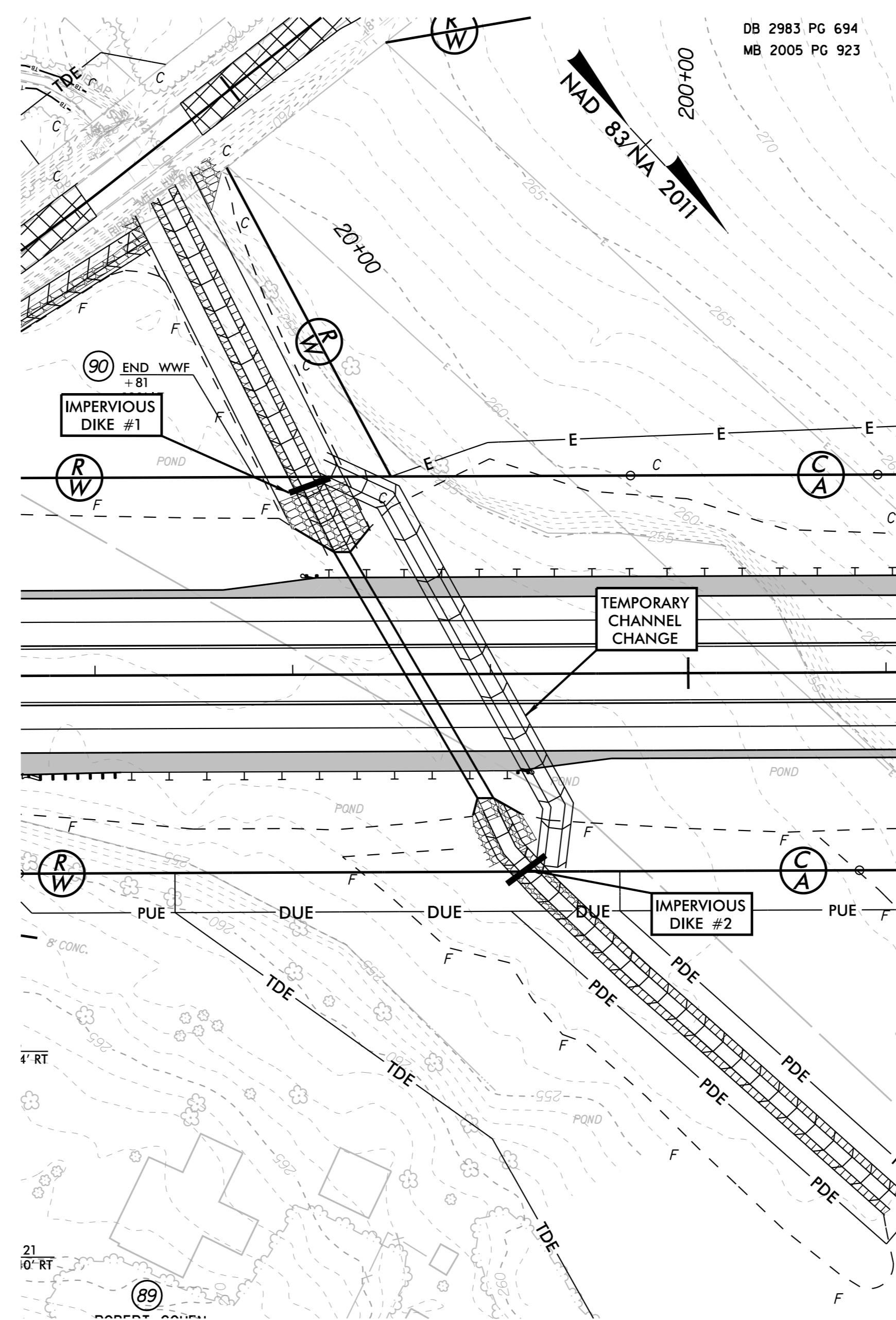
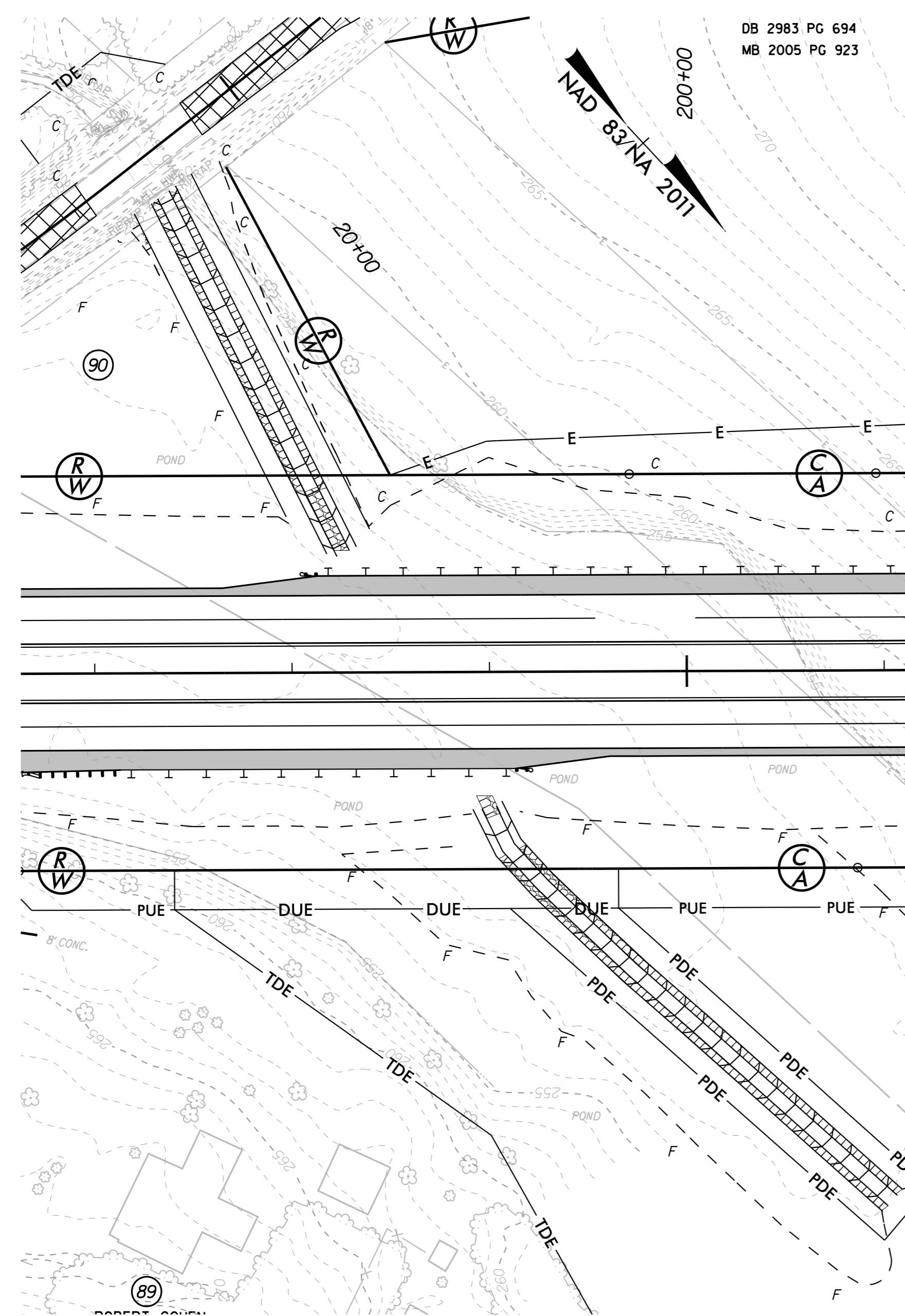
- 1.) DRAIN POND BY REMOVING EXISTING WEIR WALL ON UPSTREAM SIDE OF 42" X 91" CMAP (LEAVE 42" X 91" CMAP IN PLACE)
- 2.) UTILIZE SPECIAL STILLING BASIN(S) DURING CONSTRUCTION AS NEEDED TO DEWATER WORK SITE. (TYP.)
- 3.) CONSTRUCT PROPOSED DITCHES WITHIN DRAINED POND IN THE DRY.

## PHASE II

- 1.) CONSTRUCT TEMPORARY CHANNEL CHANGE WITH LINER (7 FT BASE, 3 FT DEEP, 2:1 SIDE SLOPES). AND IMPERVIOUS DIKES 1 AND 2 TO DIVERT CHANNEL FLOW.
- 2.) CONSTRUCT PROPOSED 7'x7' RCBC.
- 3.) MAKE UPSTREAM AND DOWNSTREAM CHANNEL IMPROVEMENTS AND PLACE REQUIRED RIPRAP AND MATTING ON CHANNEL BANKS.

## PHASE III

- 1.) REMOVE IMPERVIOUS DIKES 1 AND 2 AND REMOVE TEMPORARY CHANNEL CHANGE.
- 2.) REMOVE SPECIAL STILLING BASIN.
- 3.) STABILIZE DISTURBED AREA AND REMOVE ALL EROSION AND SEDIMENT CONTROL DEVICES AS DIRECTED.
- 4.) FINISH ROADWAY AND DRAINAGE CONSTRUCTION.
- 5.) ONCE TRAFFIC IS OPENED ON -L-, REMOVE EXISTING 42" X 91" CMAP DOWNSTREAM AND CONSTRUCT DOWNSTREAM CHANNEL IMPROVEMENTS (UTILIZE IMPERVIOUS DIKES AND SPECIAL STILLING BASIN AS NEEDED)



11/16/2022

5/14/99

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

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 18

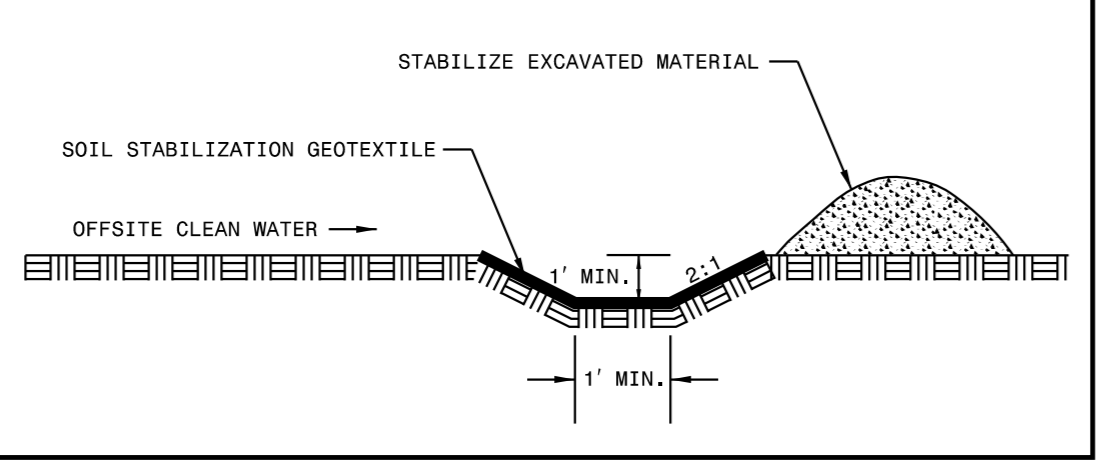
NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL  
REQUIRE PRIOR APPROVAL BY ENGINEER.  
  
ADDITIONAL EROSION CONTROL DEVICES MAY  
NEED TO BE INSTALLED AS DIRECTED BY THE  
ENGINEER.

**Kimley » Horn**  
P.O. BOX 33068 • RALEIGH, N.C. 27636-3068

PROJECT REFERENCE NO. R-5705A	SHEET NO. EC-18/CONST.18
RW SHEET NO. 18	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

### CLEAN WATER DIVERSION

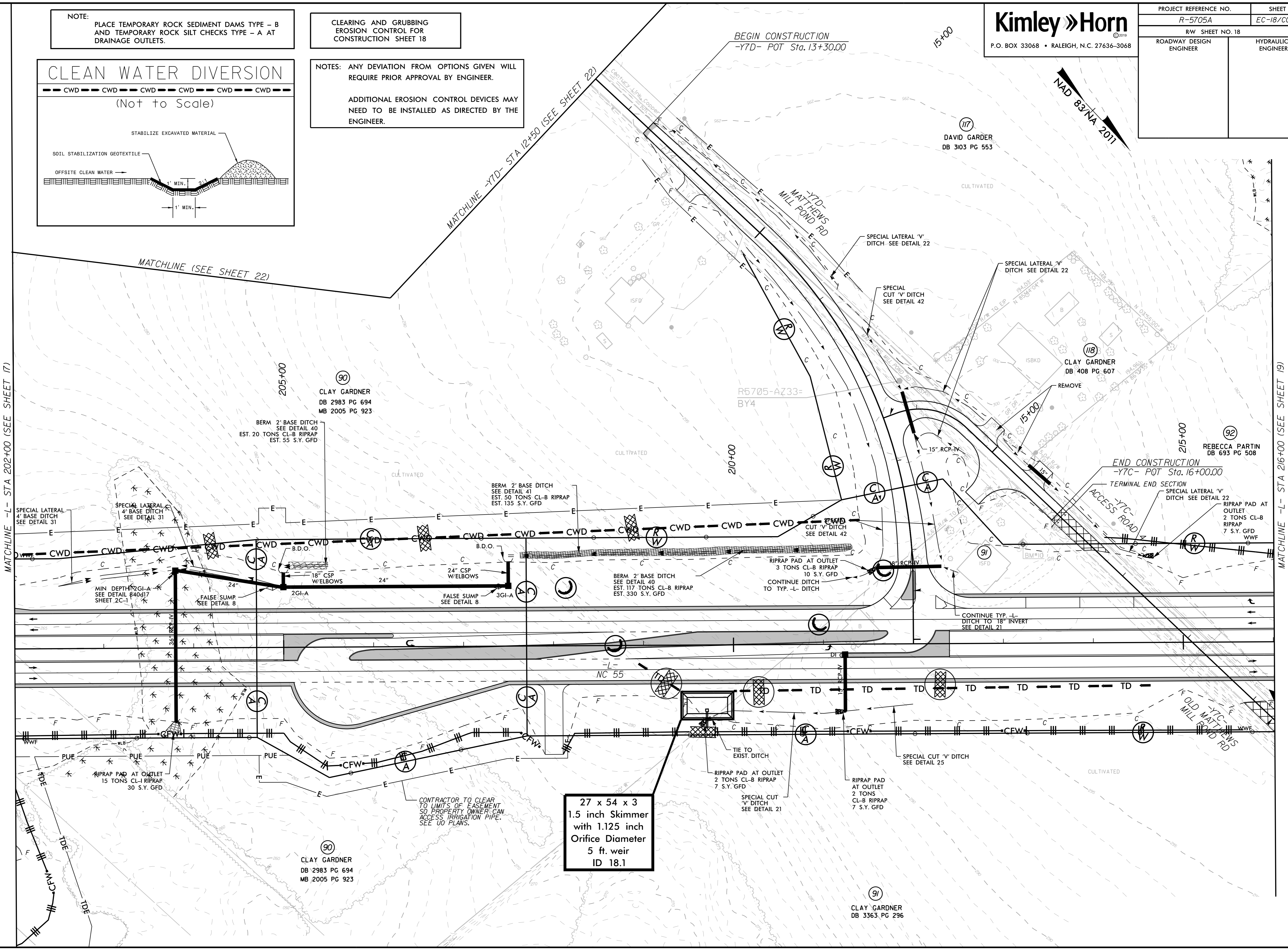
(Not to Scale)



MATCHLINE -L- STA 202+00 (SEE SHEET 17)

MATCHLINE -YTD- STA 12+50 (SEE SHEET 22)

MATCHLINE -L- STA 216+00 (SEE SHEET 19)



REVISIONS

27 x 54 x 3  
1.5 inch Skimmer  
with 1.125 inch  
Orifice Diameter  
5 ft. weir  
ID 18.1

CONTRACTOR TO CLEAR  
TO LIMITS OF EASEMENT  
SO PROPERTY OWNER CAN  
ACCESS IRRIGATION PIPE.  
SEE UO PLANS.

RIPRAP PAD AT OUTLET  
15 TONS CL-B RIPRAP  
30 S.Y. GFD

RIPRAP PAD AT OUTLET  
2 TONS CL-B RIPRAP  
7 S.Y. GFD

RIPRAP PAD  
AT OUTLET  
2 TONS  
CL-B RIPRAP  
7 S.Y. GFD

RIPRAP PAD AT  
OUTLET  
2 TONS CL-B  
RIPRAP  
7 S.Y. GFD

SPECIAL LATERAL  
4" BASE DITCH  
SEE DETAIL 31

SPECIAL LATERAL  
4" BASE DITCH  
SEE DETAIL 31

BERM 2" BASE DITCH  
SEE DETAIL 40  
EST. 20 TONS CL-B RIPRAP  
EST. 55 S.Y. GFD

BERM 2" BASE DITCH  
SEE DETAIL 41  
EST. 50 TONS CL-B RIPRAP  
EST. 135 S.Y. GFD

BERM 2" BASE DITCH  
SEE DETAIL 40  
EST. 117 TONS CL-B RIPRAP  
EST. 330 S.Y. GFD

RIPRAP PAD AT OUTLET  
3 TONS CL-B RIPRAP  
10 S.Y. GFD  
CONTINUE DITCH  
TO TYP. -L- DITCH

CONTINUE TYP. -L-  
DITCH TO 18" INVERT  
SEE DETAIL 21

END CONSTRUCTION  
-YTC- POT Sta. 16+00.00  
TERMINAL END SECTION  
SPECIAL LATERAL V'  
DITCH SEE DETAIL 22

5/14/99

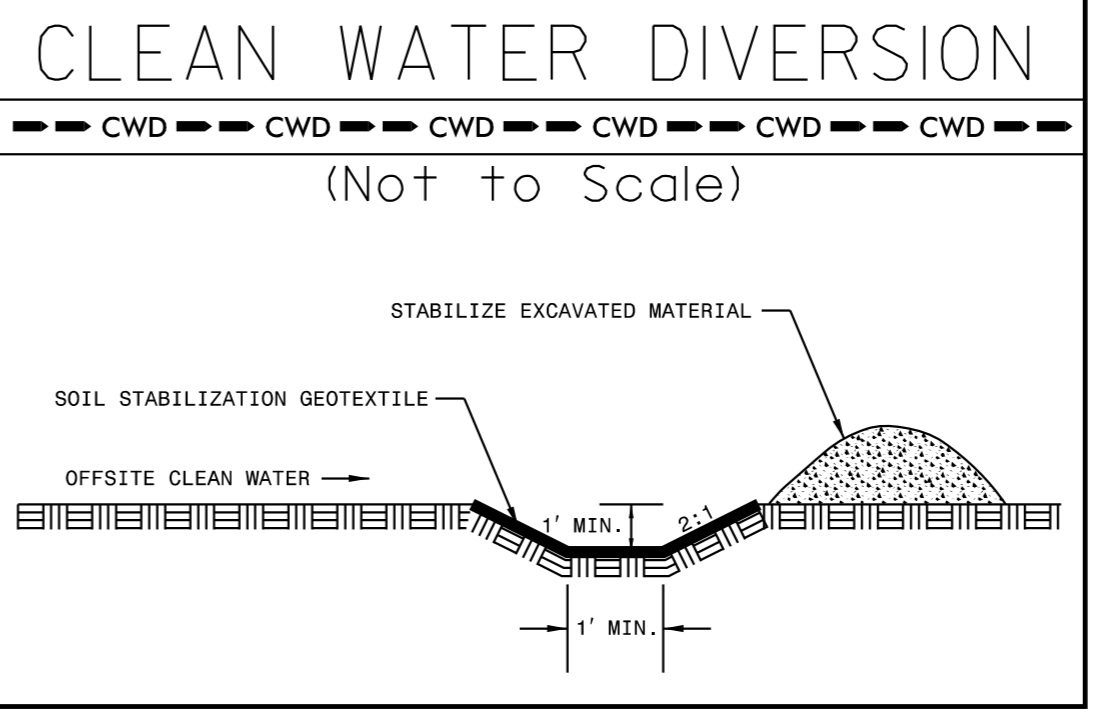
5/14/99

REVISIONS

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

NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.  
ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

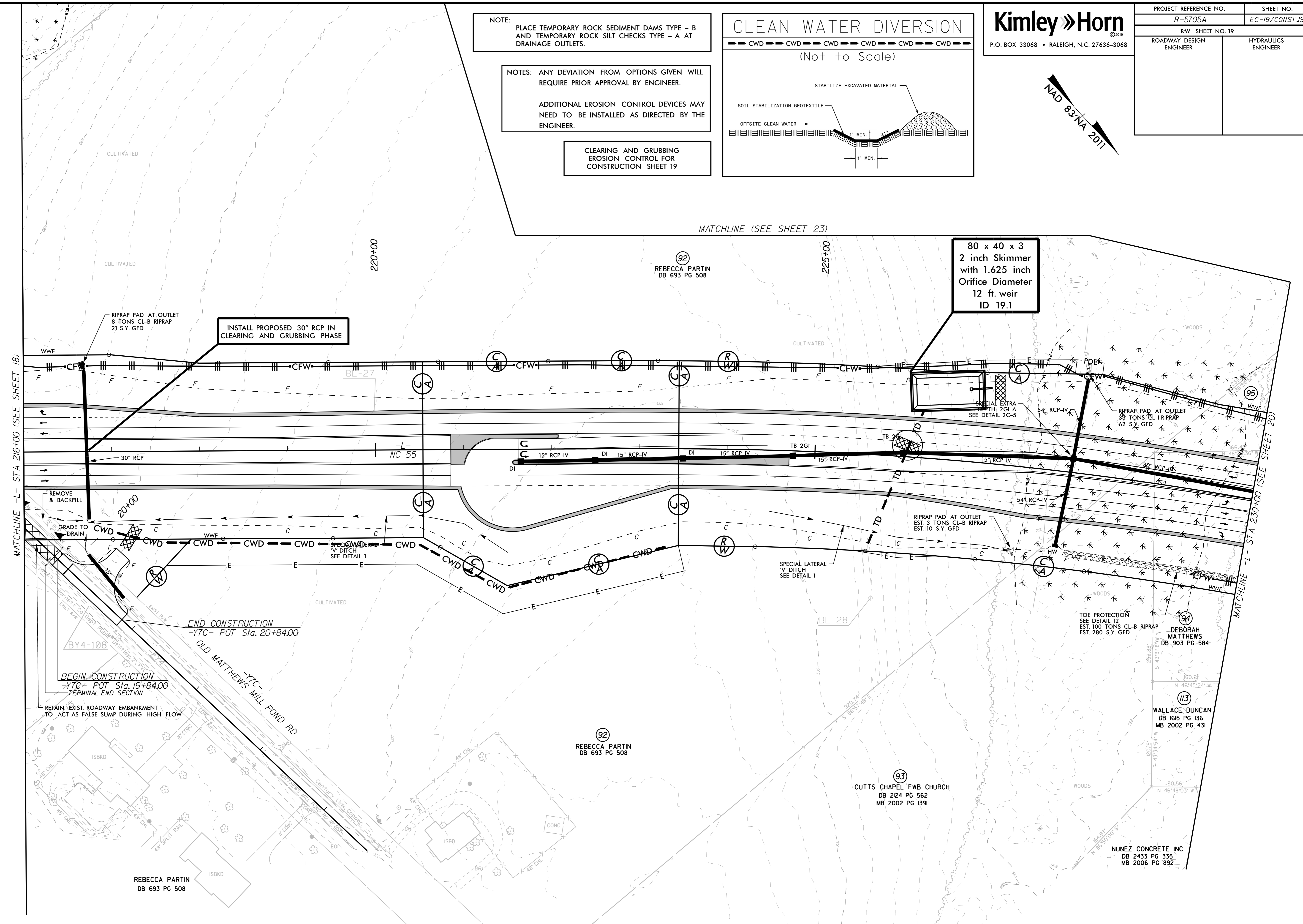
CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 19



PROJECT REFERENCE NO. R-5705A		SHEET NO. EC-19/CONST.19	
RW SHEET NO. 19			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

Kimley » Horn  
P.O. BOX 33068 • RALEIGH, N.C. 27636-3068

NAD 83/NA 2011



REBECCA PARTIN  
DB 693 PG 508

REBECCA PARTIN  
DB 693 PG 508

CUTTS CHAPEL F.W.B. CHURCH  
DB 2124 PG 562  
MB 2002 PG 1391

NUNEZ CONCRETE INC  
DB 2433 PG 335  
MB 2006 PG 892

WALLACE DUNCAN  
DB 1615 PG 136  
MB 2002 PG 431

DEBORAH MATTHEWS  
DB 903 PG 584

BEGIN CONSTRUCTION  
-Y7C- POT Sta. 19+84.00  
TERMINAL END SECTION

END CONSTRUCTION  
-Y7C- POT Sta. 20+84.00

MATCHLINE -L- STA 216+00 (SEE SHEET 18)

MATCHLINE -L- STA 230+00 (SEE SHEET 20)

MATCHLINE (SEE SHEET 23)

5/14/99

REVISIONS

PROJECT REFERENCE NO.		SHEET NO.	
R-5705A		EC-20/CONST.20	
RW SHEET NO. 20		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

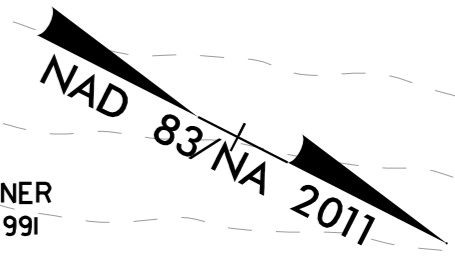
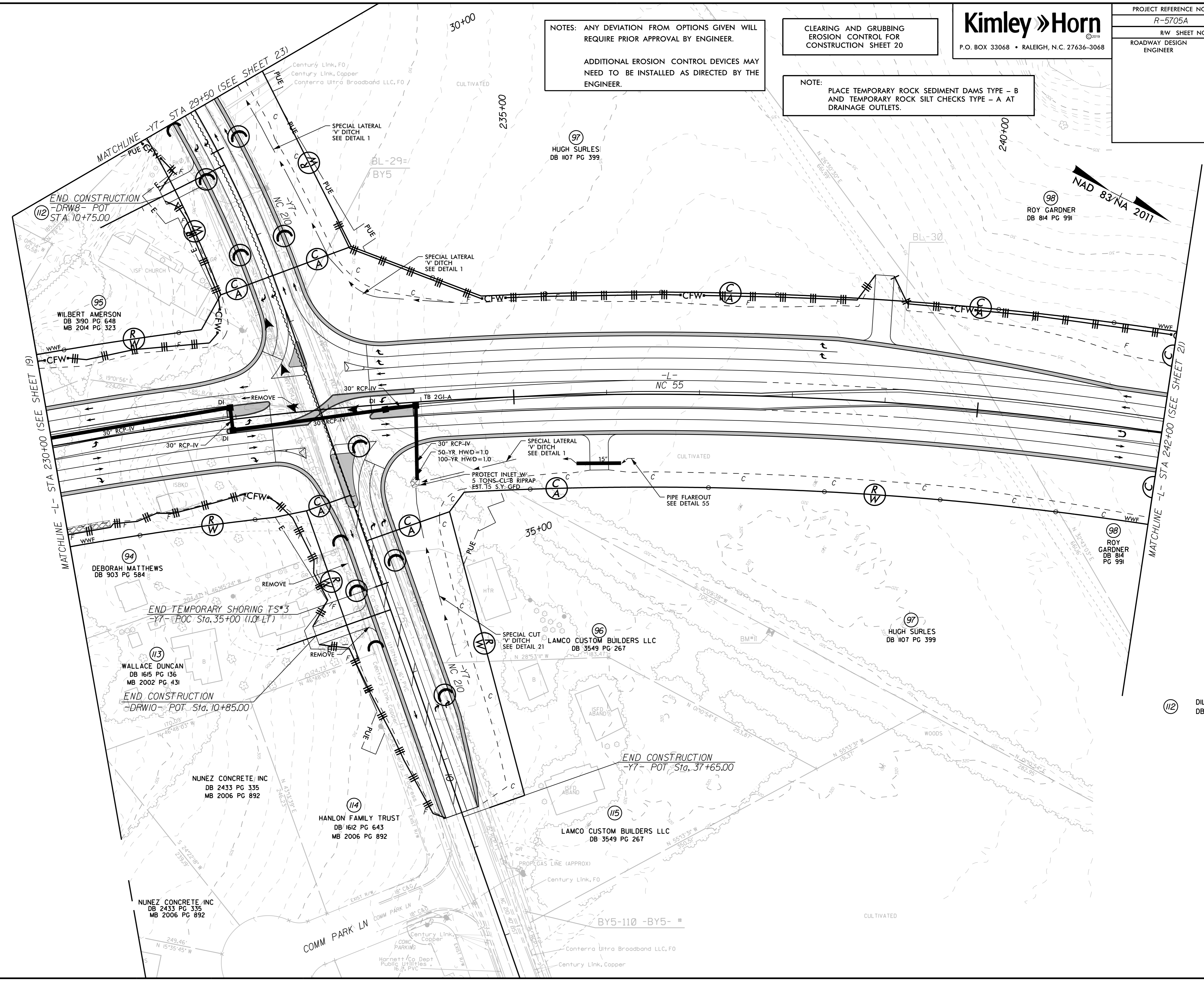
**Kimley » Horn**  
 P.O. BOX 33068 • RALEIGH, N.C. 27636-3068

NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 20

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



(112) DILLARD ENTERPRISES INC  
DB 875 PG 308

5/14/99

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 21

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

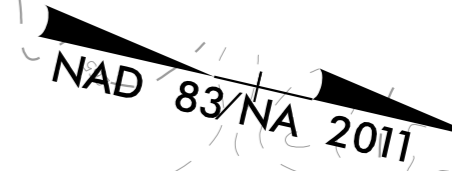
NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL  
REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY  
NEED TO BE INSTALLED AS DIRECTED BY THE  
ENGINEER.

**Kimley » Horn**

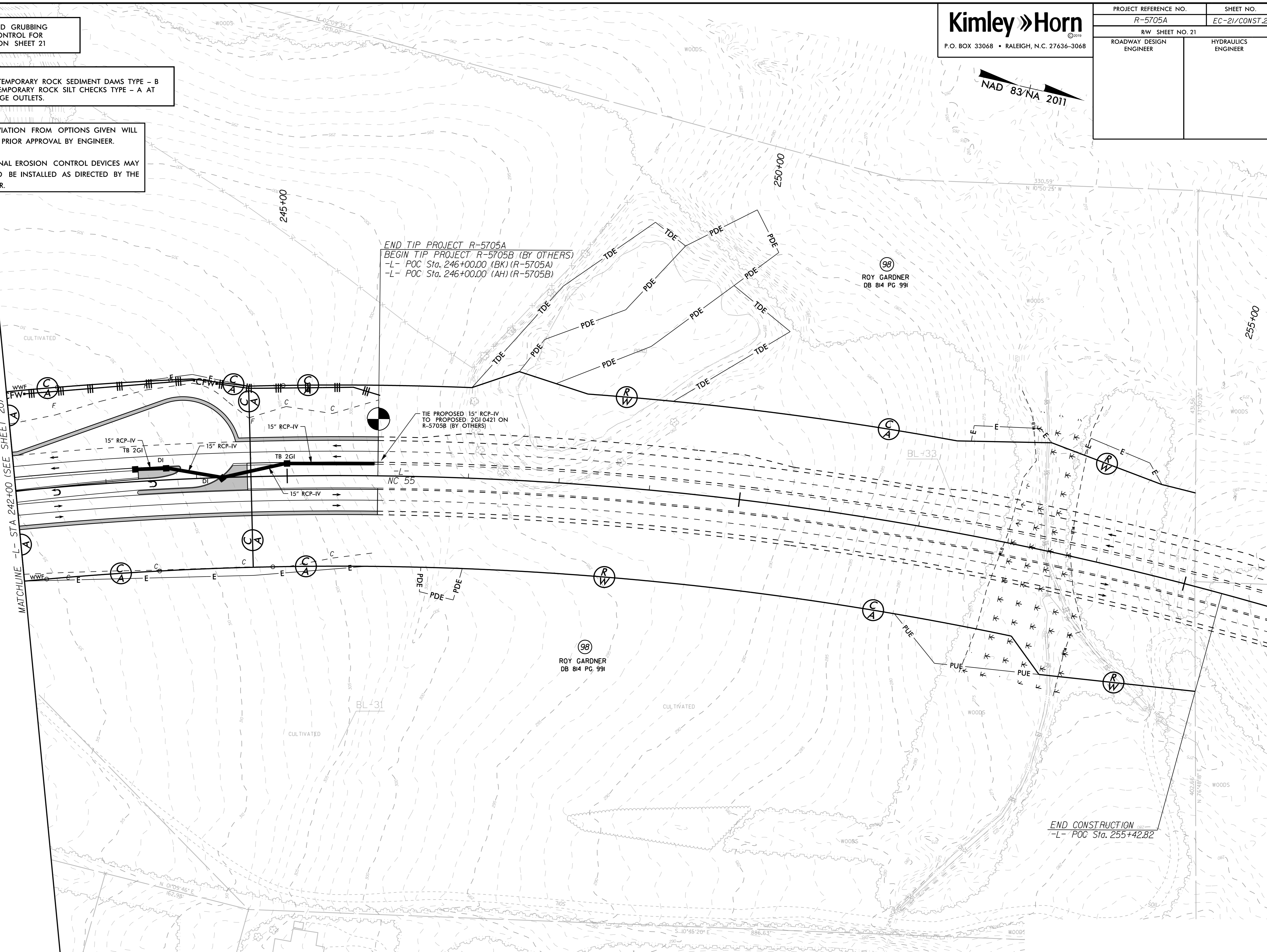
P.O. BOX 33068 • RALEIGH, N.C. 27636-3068

PROJECT REFERENCE NO.	SHEET NO.
R-5705A	EC-21/CONST.21
RW SHEET NO. 21	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



REVISIONS

MATCHLINE -L- STA 242+00 (SEE SHEET 20)



END TIP PROJECT R-5705A  
 BEGIN TIP PROJECT R-5705B (BY OTHERS)  
 -L- POC Sta. 246+00.00 (BK) (R-5705A)  
 -L- POC Sta. 246+00.00 (AH) (R-5705B)

TIE PROPOSED 15\"/>

END CONSTRUCTION  
 -L- POC Sta. 255+42.82

98  
 ROY GARDNER  
 DB 814 PG 991

98  
 ROY GARDNER  
 DB 814 PG 991

MATCHLINE -L- STA 242+00 (SEE SHEET 20)

PROJECT REFERENCE NO.	SHEET NO.
R-5705A	EC-22/CONST.22
RW SHEET NO. 22	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 22

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

NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL  
REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY  
NEED TO BE INSTALLED AS DIRECTED BY THE  
ENGINEER.

DAVID GARDNER  
DB 1085 PG 174  
PC#1PG 253

(117)  
DAVID GARDNER  
DB 3103 PG 553

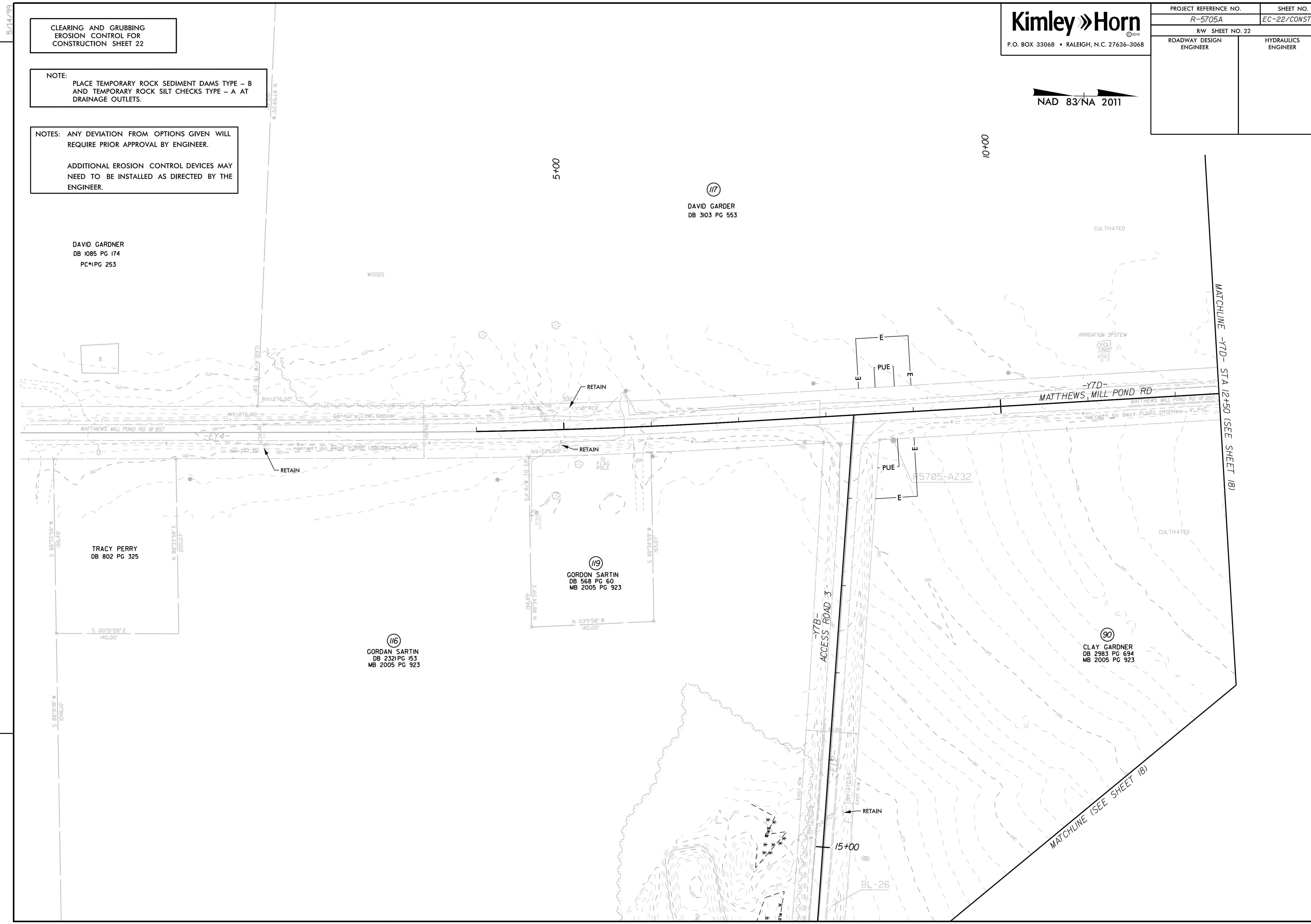
TRACY PERRY  
DB 802 PG 325

(119)  
GORDON SARTIN  
DB 568 PG 60  
MB 2005 PG 923

(116)  
GORDAN SARTIN  
DB 2321PG 153  
MB 2005 PG 923

(90)  
CLAY GARDNER  
DB 2983 PG 694  
MB 2005 PG 923

REVISIONS



MATCHLINE -Y7D- STA 12+50 (SEE SHEET 18)

MATCHLINE (SEE SHEET 18)

-Y7B-  
ACCESS ROAD 3'

15+00

BL-26