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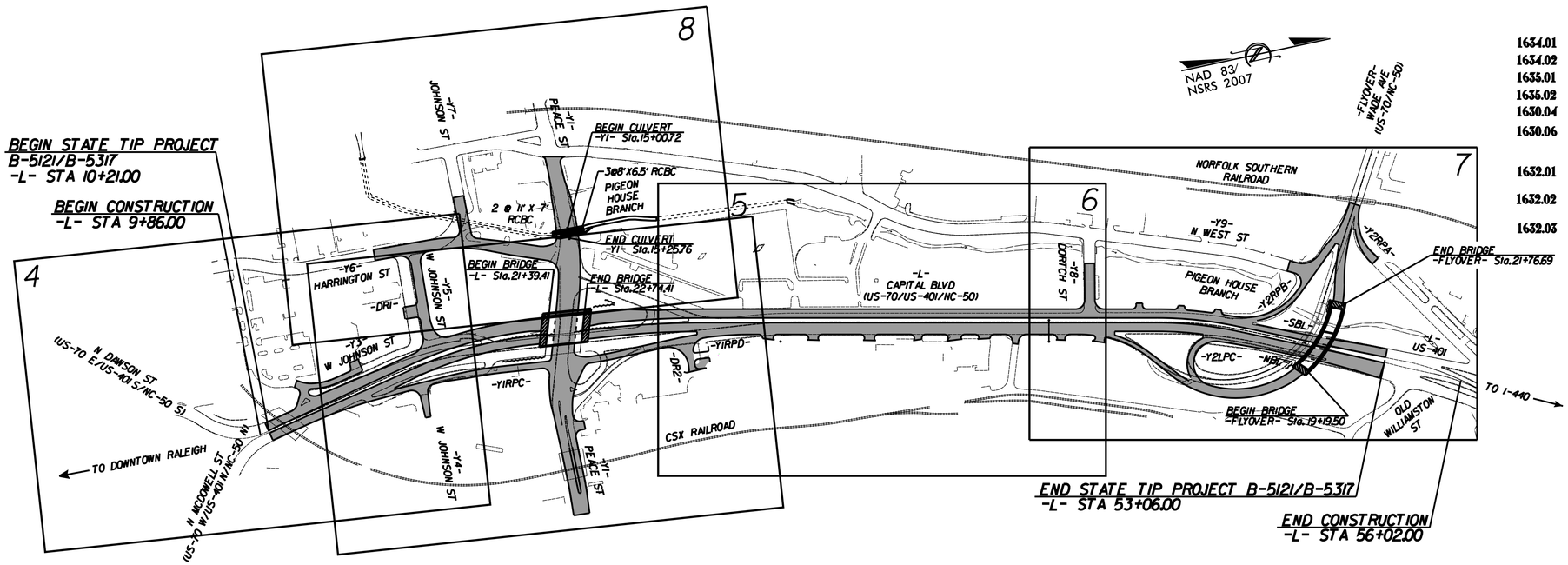
TIP PROJECT: B-5121 / B-5317

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-5121 / B-5317	EC-1	

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
42263.2.1	BRNHS-0070(119)	R/W (B-5121)
46031.2.1	BRSTP-0070(149)	R/W (B-5317)
42263.2.1	BRNHS-0070(119)	UTL (B-5121)
46031.2.1	BRSTP-0070(149)	UTL (B-5317)



EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	TSD
1630.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	
1622.01	Temporary Berms and Slope Drains	
1630.02	Silt Basin Type B	
1633.01	Temporary Rock Silt Check Type-A	
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	
1633.02	Temporary Rock Silt Check Type-B	
	Wattle / Coir Fiber Wattle	EW CFW
	Wattle / Coir Fiber Wattle with Polyacrylamide (PAM)	
1634.01	Temporary Rock Sediment Dam Type-A	
1634.02	Temporary Rock Sediment Dam Type-B	
1635.01	Rock Pipe Inlet Sediment Trap Type-A	
1635.02	Rock Pipe Inlet Sediment Trap Type-B	
1630.04	Stilling Basin	
1630.06	Special Stilling Basin	
	Rock Inlet Sediment Trap:	
1632.01	Type A	A
1632.02	Type B	B
1632.03	Type C	C
	Skimmer Basin	
	Tiered Skimmer Basin	
	Infiltration Basin	

THIS PROJECT CONTAINS EROSION CONTROL PLANS FOR CLEARING AND GRUBBING PHASE OF CONSTRUCTION.

THIS PROJECT HAS BEEN DESIGNED TO SENSITIVE WATERSHED STANDARDS.

ENVIRONMENTALLY SENSITIVE AREA(S) EXIST ON THIS PROJECT

Refer To E. C. Special Provisions for Special Considerations.

GRAPHIC SCALE

25 0 50
PLANS

25 0 50
PROFILE (HORIZONTAL)

5 0 10
PROFILE (VERTICAL)

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 3, 2011 AND ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF WATER RESOURCES.

Prepared In the Office of:

Kimley»Horn

Designed by:

J. JASON PACE, PE *3579*

NAME *LEVEL III CERTIFICATION NO.*

Reviewed In the Office of:

ROADSIDE ENVIRONMENTAL UNIT
1 South Wilmington St.
Raleigh, NC 27611

2012 STANDARD SPECIFICATIONS

Reviewed by:

JEFF WALSTON, PE

Roadway Standard Drawings

The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2012 and the latest revison thereto are applicable to this project and by reference hereby are considered a part of these plans.

1604.01	Railroad Erosion Control Detail	1632.01	Rock Inlet Sediment Trap Type A
1605.01	Temporary Silt Fence	1632.02	Rock Inlet Sediment Trap Type B
1606.01	Special Sediment Control Fence	1632.03	Rock Inlet Sediment Trap Type C
1607.01	Gravel Construction Entrance	1633.01	Temporary Rock Silt Check Type A
1622.01	Temporary Berms and Slope Drains	1633.02	Temporary Rock Silt Check Type B
1630.01	Riser Basin	1634.01	Temporary Rock Sediment Dam Type A
1630.02	Silt Basin Type B	1634.02	Temporary Rock Sediment Dam Type B
1630.03	Temporary Silt Ditch	1635.01	Rock Pipe Inlet Sediment Trap Type A
1630.04	Stilling Basin	1635.02	Rock Pipe Inlet Sediment Trap Type B
1630.05	Temporary Diversion	1640.01	Coir Fiber Baffle
1630.06	Special Stilling Basin	1645.01	Temporary Stream Crossing
1631.01	Matting Installation		

$$$$SYSTIME$$$$
$$$$USERNAME$$$$

PROJECT REFERENCE NO.	SHEET NO.
B-5121 / B-5317	EC-2

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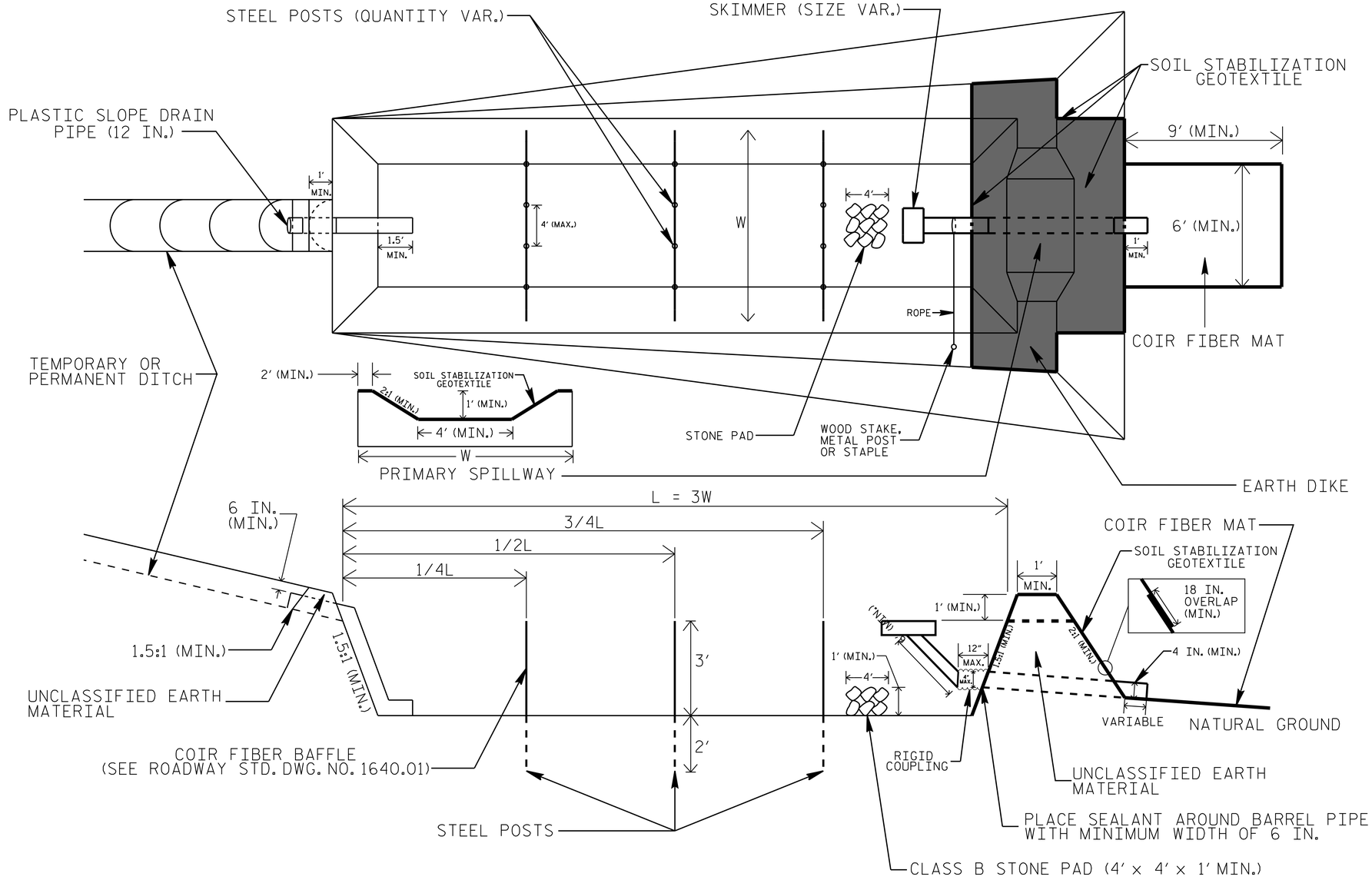
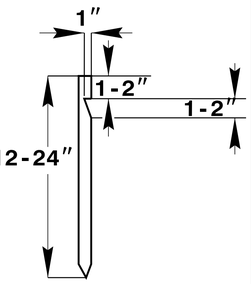
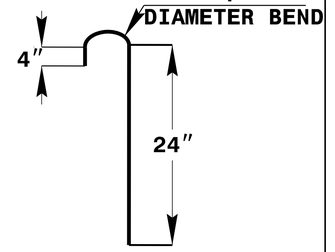
SKIMMER BASIN WITH BAFFLES DETAIL



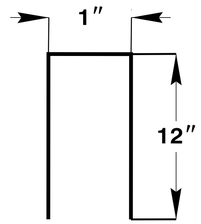
2" x 2" (nominal) WOODEN STAKE



#10 STEEL REINFORCEMENT BAR



1" (nominal) STAPLE



COIR FIBER MAT ANCHOR OPTIONS

NOTES

1. SEED AND PLACE MATTING FOR EROSION CONTROL ON INTERIOR AND EXTERIOR SIDESLOPES.
2. LIMIT EARTH DIKE HEIGHT TO 5 FT.
3. FOR BASIN DEPTH OF 3 FT., THE MINIMUM BASIN WIDTH SHALL BE 9 FT.
4. DETERMINE PRIMARY SPILLWAY WEIR LENGTH (FT.) USING Q/0.8, WHERE Q IS FLOW RATE (CFS) INTO BASIN.
5. PLASTIC SLOPE DRAIN PIPE AT INLET OF BASIN MAY BE REPLACED BY FILTRATION GEOTEXTILE OR TARP AS DIRECTED.
6. SOIL STABILIZATION GEOTEXTILE FOR PRIMARY SPILLWAY SHALL BE ONE CONTINUOUS PIECE OF MATERIAL OR OVERLAPPED 18 IN. (MIN.).

NOT TO SCALE

PROJECT REFERENCE NO.	SHEET NO.
B-5121 / B-5317	EC-2A

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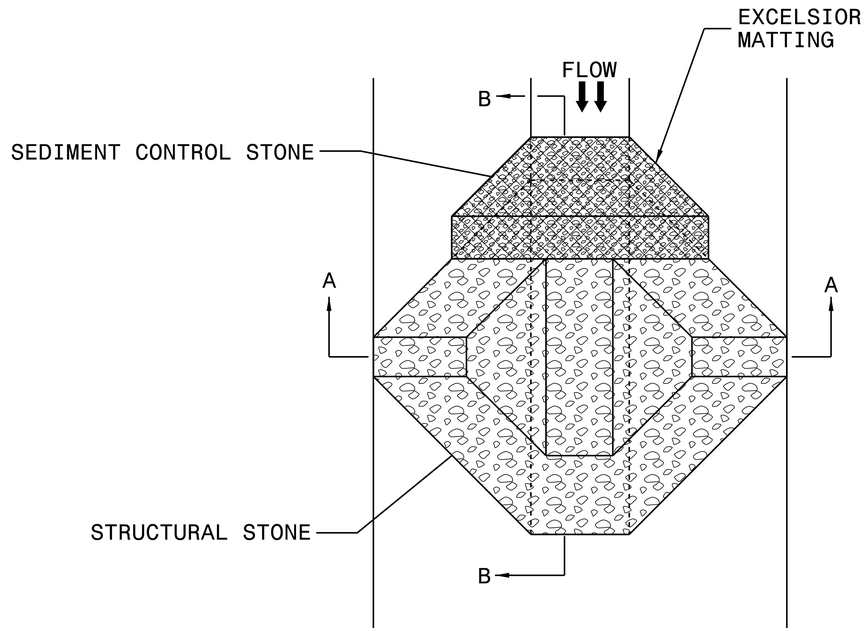
TEMPORARY ROCK SILT CHECK TYPE 'A' WITH EXCELSIOR MATTING AND POLYACRYLAMIDE (PAM)



PLAN

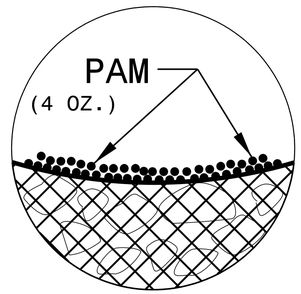
NOTES:

INSTALL TEMPORARY ROCK SILT CHECK TYPE A IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1633.01.

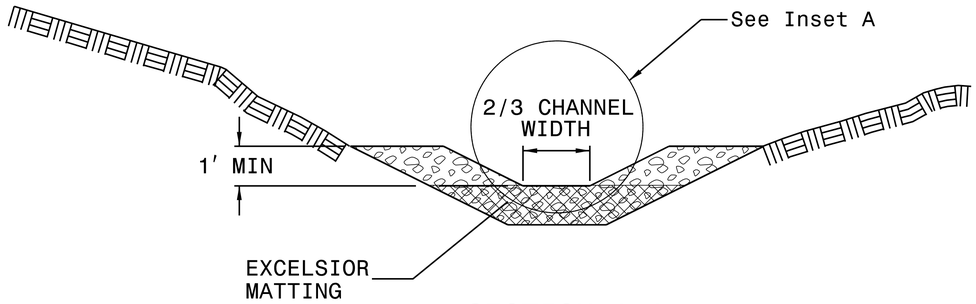
USE EXCELSIOR FOR MATTING MATERIAL AND ANCHOR MATTING SECTION AT TOP AND BOTTOM WITH CLASS B STONE.

PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH ROCK SILT CHECK.

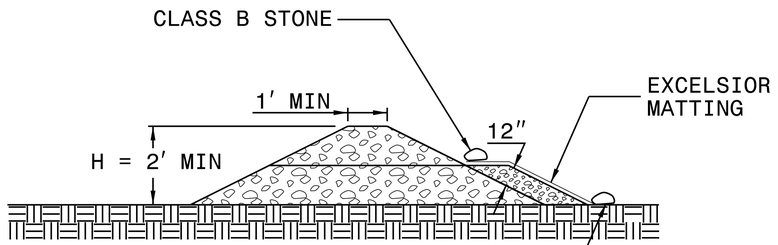
INITIALLY APPLY 4 OUNCES OF POLYACRYLAMIDE (PAM) TO TOP OF MATTING SECTION AND AFTER EVERY RAINFALL EVENT THAT EQUALS OR EXCEEDS 0.50 INCHES.



INSET A



SECTION A-A



SECTION B-B

NOT TO SCALE

PROJECT REFERENCE NO.	SHEET NO.
B-5121 / B-5317	EC-3

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REVISIONS

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION SUMMARY SHEET
MATTING FOR EROSION CONTROL

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)	CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
EC-4	-L-	11+10	11+76	LT	12	EC-13	-FLYOVER-	11+46	14+25	LT	170
EC-4	-L-	11+75	14+00	RT	102	EC-13	-FLYOVER-	12+58	14+50	RT	98
EC-4	-L-	12+50	13+75	LT	42	EC-13	-FLYOVER-	15+00	15+73	RT	169
EC-4/EC-5	-L-	14+50	16+99	LT	268	EC-13	-FLYOVER-	15+00	18+90	LT	261
EC-5	-L-	17+70	21+27	LT	1397	EC-13	-FLYOVER-	17+11	17+50	RT	55
EC-5/EC-6	-L-	23+18	39+00	LT	3742	EC-13	-FLYOVER-	18+00	19+35	RT	452
EC-6	-L-	28+50	29+50	RT	22	EC-13	-FLYOVER-	21+95	24+50	RT	774
EC-6	-L-	35+51	36+45	RT	30	EC-13	-FLYOVER-	22+10	24+00	LT	54
EC-6	-L-	37+00	37+60	RT	23	EC-13	-Y2RP0-	11+25	12+00	LT	80
EC-6	-L-	38+09	38+90	RT	35	EC-13	-Y2RP0-	12+00	12+85	RT	119
EC-7	-L-	43+50	45+75	RT	25	EC-13	-Y5-	10+50	13+25	LT	168
EC-7	-L-	46+62	48+25	RT	53	EC-13	-Y5-	10+50	11+25	RT	26
EC-7	-L-	50+00	53+06	LT	72	EC-13/EC-11	-Y5-	11+63	12+10	RT	76
EC-13	-Y1-	12+35	13+16	LT	10	EC-11	-Y5-	12+60	13+58	RT	169
EC-13	-Y1-	12+67	13+16	RT	11	EC-13	-Y6-	14+64	19+31	RT	365
EC-13	-Y1-	13+54	14+04	RT	13	EC-13	-Y6-	17+00	18+00	LT	34
EC-13	-Y1-	15+14	16+75	LT	110	EC-13	-Y7-	11+76	12+57	LT	36
EC-13/EC-11	-Y1-	16+50	17+25	RT	38	EC-13	-Y7-	12+30	13+00	RT	28
EC-11	-Y1-	17+75	18+09	RT	11						
EC-11	-Y1-	19+20	19+50	LT	126						
EC-11	-Y1-	19+46	19+60	RT	62						
EC-11	-Y1-	20+10	21+00	LT	74						
EC-11	-Y1-	20+50	22+97	RT	173						
EC-11	-Y1-	21+50	22+30	LT	11						
EC-10/EC-11	-Y1RPC-	12+10	13+42	RT	59						
EC-11	-Y1RPC-	14+16	18+34	RT	772						
EC-11	-Y1RPD-	11+14	11+66	LT	12						
EC-11/EC-12	-Y1RPD-	13+12	16+35	LT	320						
									SUBTOTAL		10759
						MISCELLANEOUS MATTING TO BE INSTALLED AS DIRECTED BY THE ENGINEER (25%)					4190
										TOTAL	14949
										SAY	15000

PROJECT REFERENCE NO.	SHEET NO.
B-5121 / B-5317	EC-3A

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DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION TIMEFRAMES

SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.

PROJECT REFERENCE NO.	SHEET NO.
B-5121 / B-5317	EC-4/CONST.4

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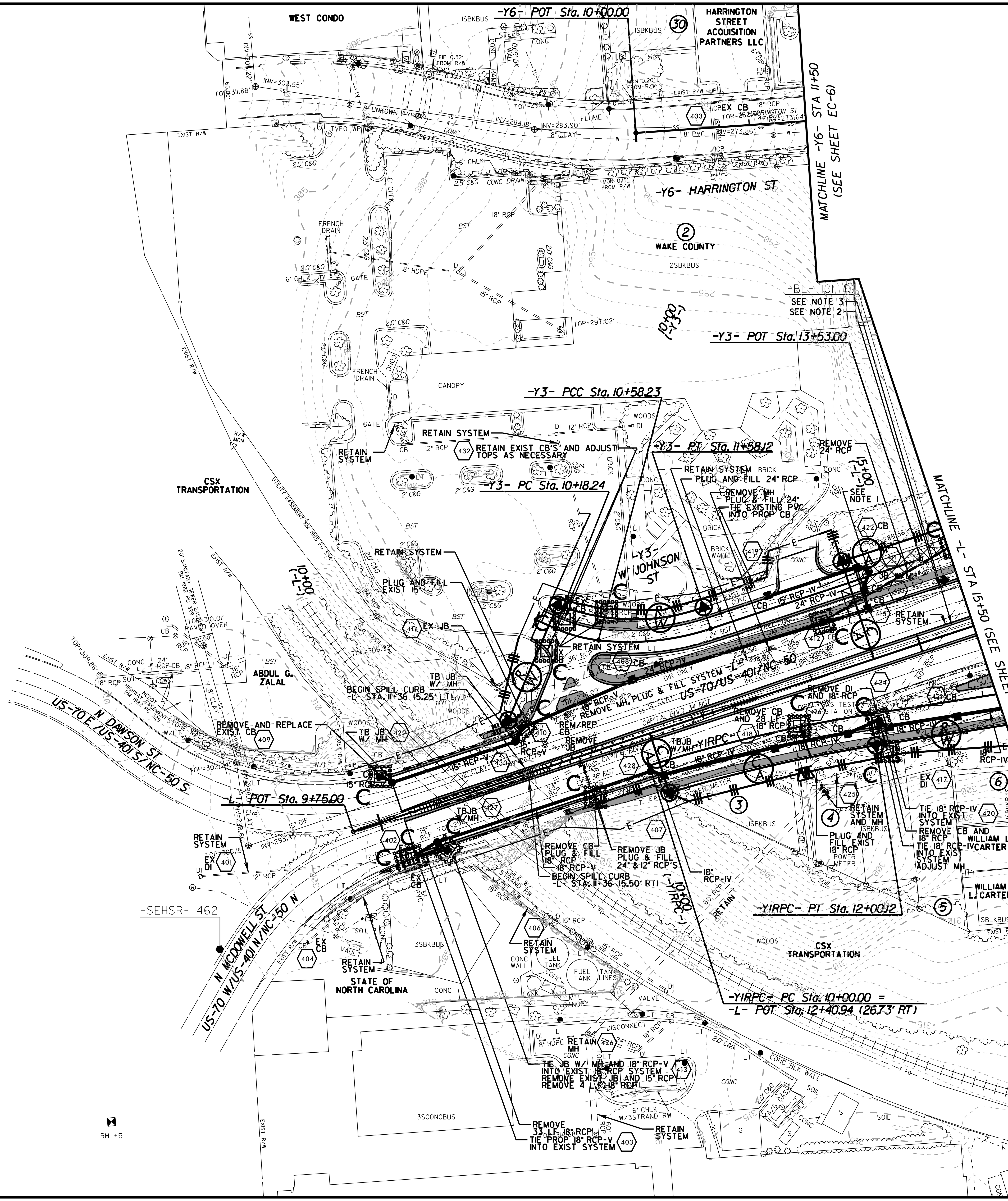

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

INSTALL INLET PROTECTION IN ACCORDANCE WITH ENGINEER'S RECOMMENDATIONS

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

REVISIONS

5/14/99

2/9/2016

PROJECT REFERENCE NO.	SHEET NO.
B-5121 / B-5317	EC-5/CONST.5

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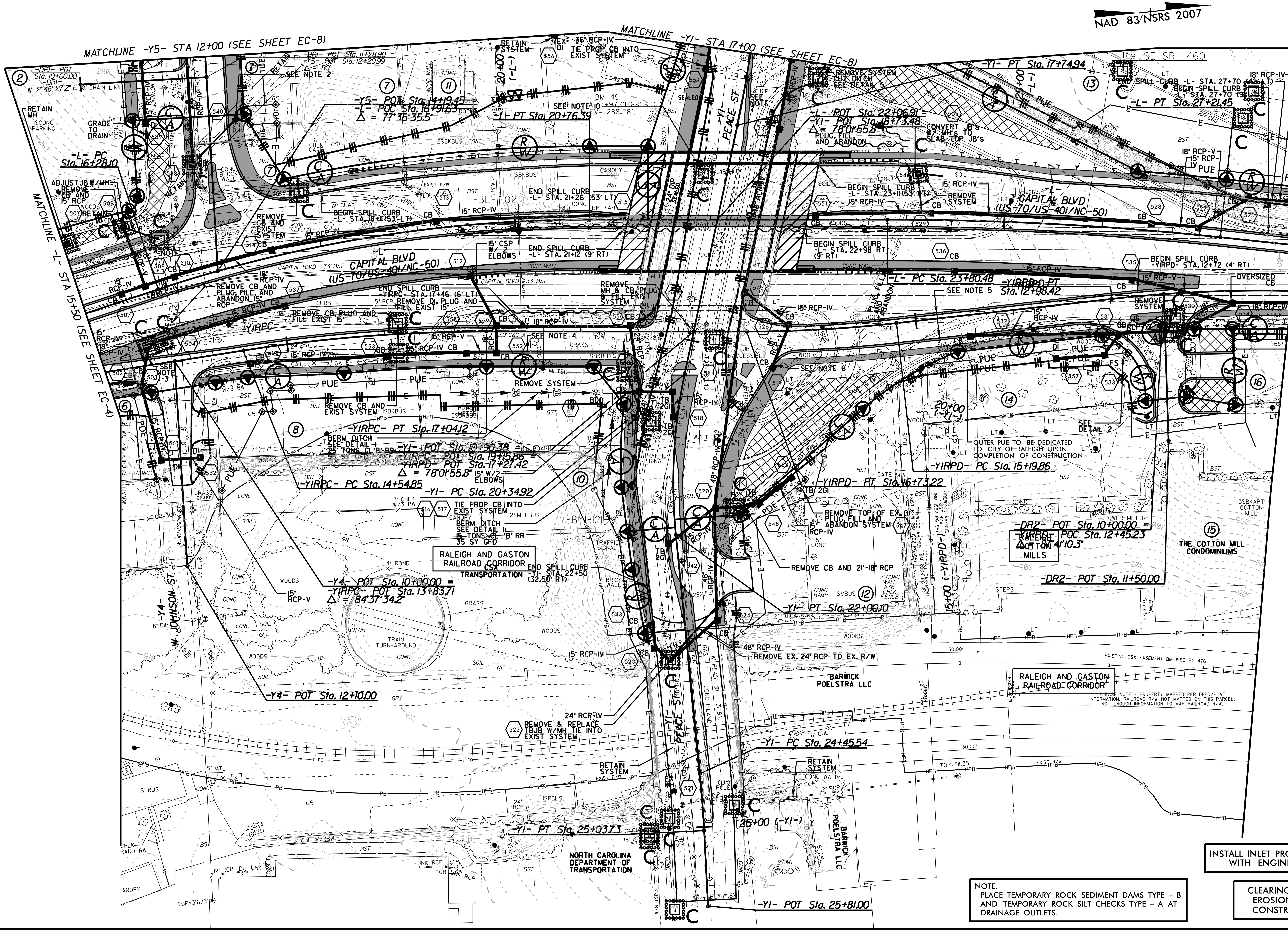
5/14/99

REVISIONS



INSTALL INLET PROTECTION IN ACCORDANCE WITH ENGINEER'S RECOMMENDATIONS

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 5

2/9/2016

PROJECT REFERENCE NO.	SHEET NO.
B-5121 / B-5317	EC-6/CONST.6

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REVISIONS

5/14/99

1/18/2016

MATCHLINE -L- STA 28+00 (SEE SHEET EC-5)

MATCHLINE -L- STA 41+50 (SEE SHEET EC-7)

NAD 83/NSRS 2007

CAPITAL BLVD (US-70/US-401)

-YIRPD- PC Sta. 10+00.00 = -L- POT Sta. 29+13.95 (42° RT)

CSX TRANSPORTATION

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

INSTALL INLET PROTECTION IN ACCORDANCE WITH ENGINEER'S RECOMMENDATIONS

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 6

PROJECT REFERENCE NO.	SHEET NO.
B-5121 / B-5317	EC-7/CONST.7

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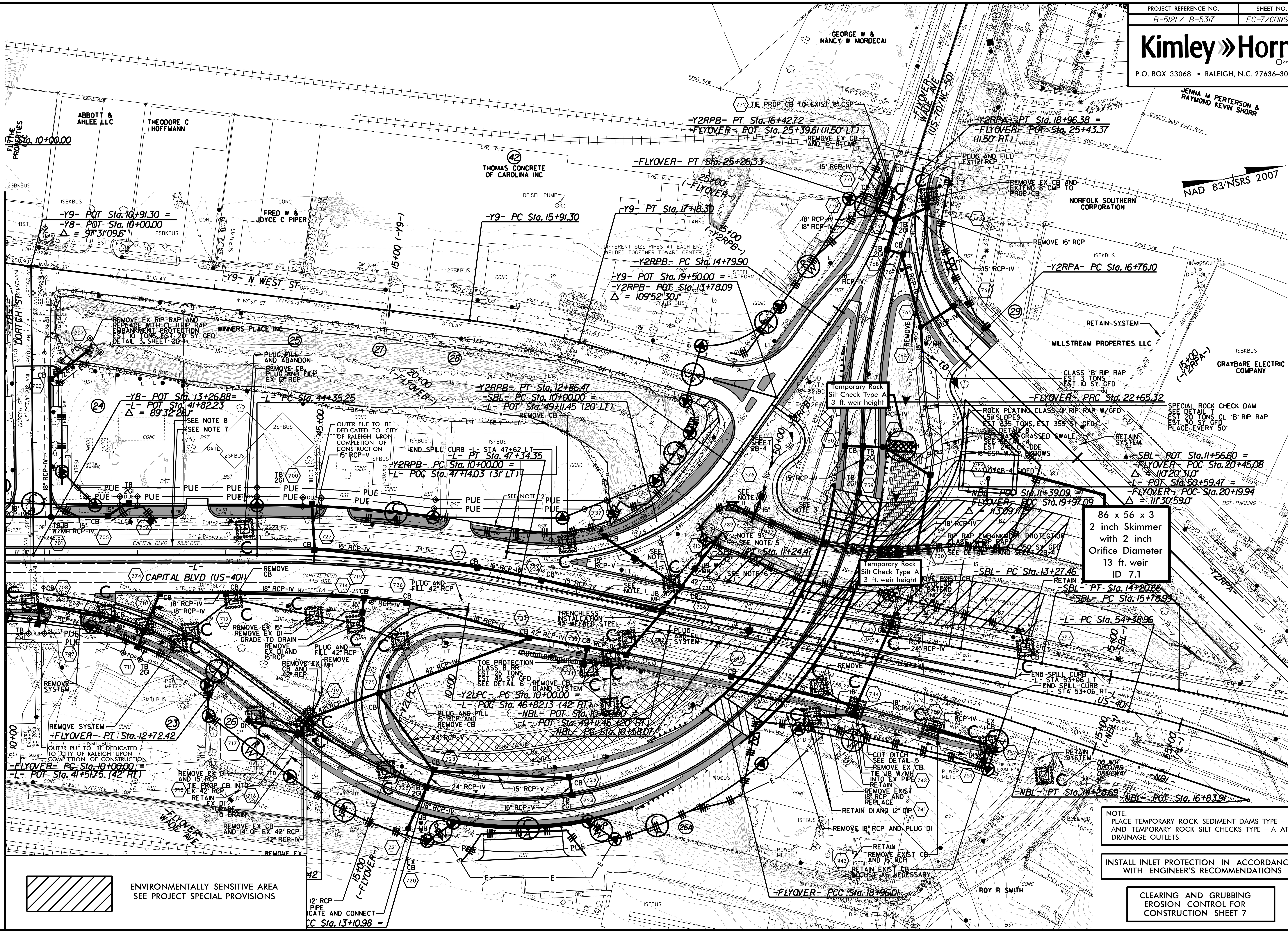
REVISIONS

5/14/99



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

INSTALL INLET PROTECTION IN ACCORDANCE WITH ENGINEER'S RECOMMENDATIONS

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 7

1/18/2016

PROJECT REFERENCE NO.	SHEET NO.
B-5121 / B-5317	EC-8/CONST.8

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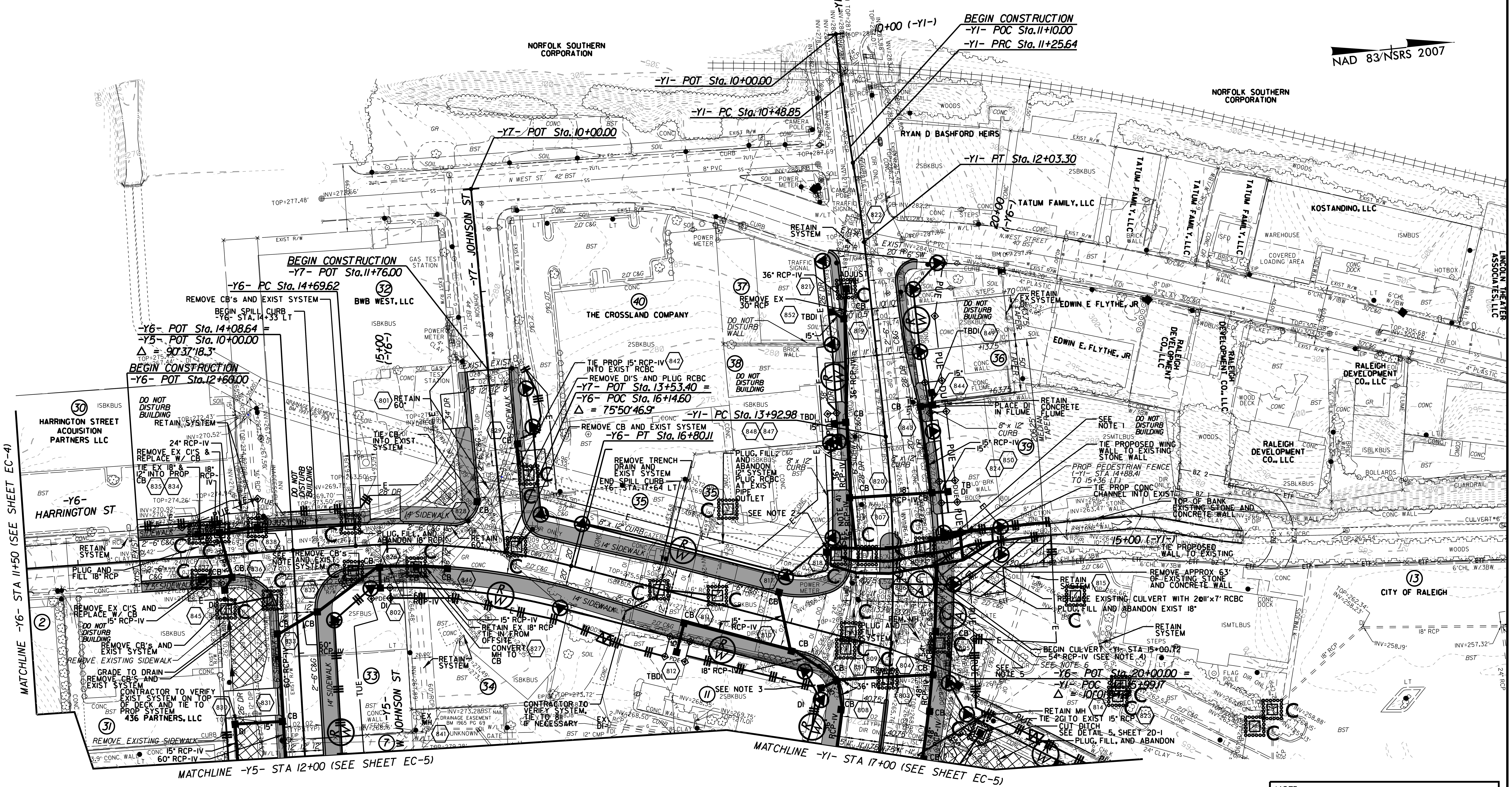
5/14/99

REVISIONS



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

INSTALL INLET PROTECTION IN ACCORDANCE WITH ENGINEER'S RECOMMENDATIONS

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 8

1/18/2016

5/14/99

REVISIONS

CULVERT CONSTRUCTION SEQUENCE
STA. 15+13.11 –Y1– (PEACE STREET)

PROJECT REFERENCE NO.	SHEET NO.
B-5121 / B-5317	EC-9/CONST.8

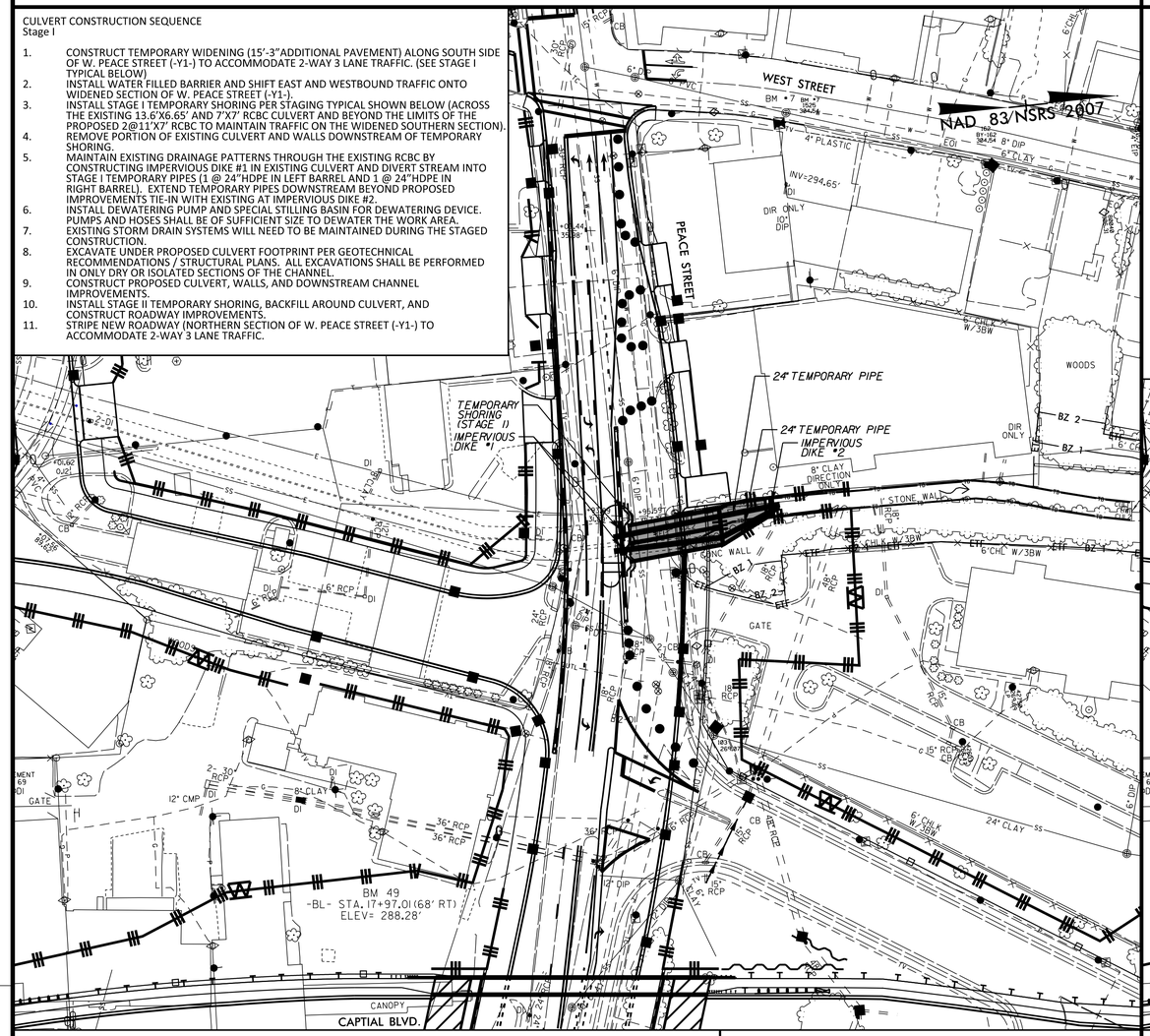
GRAPHIC SCALE

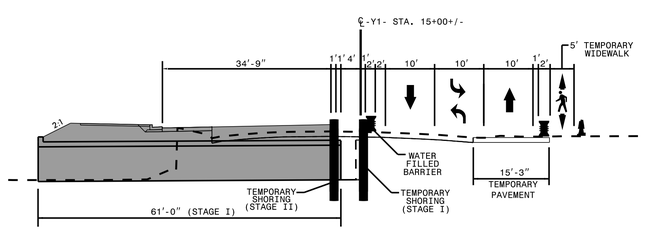
50 25 0 50 100

STAGE I

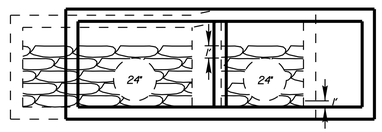
CULVERT CONSTRUCTION SEQUENCE
Stage I

1. CONSTRUCT TEMPORARY WIDENING (15'-3"ADDITIONAL PAVEMENT) ALONG SOUTH SIDE OF W. PEACE STREET (-Y1-) TO ACCOMMODATE 2-WAY 3 LANE TRAFFIC. (SEE STAGE I TYPICAL BELOW)
2. INSTALL WATER FILLED BARRIER AND SHIFT EAST AND WESTBOUND TRAFFIC ONTO WIDENED SECTION OF W. PEACE STREET (-Y1-).
3. INSTALL STAGE I TEMPORARY SHORING PER STAGING TYPICAL SHOWN BELOW (ACROSS THE EXISTING 13.6'X6.65' AND 7'X7' RCBC CULVERT AND BEYOND THE LIMITS OF THE PROPOSED 2@11'X7' RCBC TO MAINTAIN TRAFFIC ON THE WIDENED SOUTHERN SECTION).
4. REMOVE PORTION OF EXISTING CULVERT AND WALLS DOWNSTREAM OF TEMPORARY SHORING.
5. MAINTAIN EXISTING DRAINAGE PATTERNS THROUGH THE EXISTING RCBC BY CONSTRUCTING IMPERVIOUS DIKE #1 IN EXISTING CULVERT AND DIVERT STREAM INTO STAGE I TEMPORARY PIPES (1 @ 24"HDPE IN LEFT BARREL AND 1 @ 24"HDPE IN RIGHT BARREL). EXTEND TEMPORARY PIPES DOWNSTREAM BEYOND PROPOSED IMPROVEMENTS TIE-IN WITH EXISTING AT IMPERVIOUS DIKE #2.
6. INSTALL DEWATERING PUMP AND SPECIAL STILLING BASIN FOR DEWATERING DEVICE. PUMPS AND HOSES SHALL BE OF SUFFICIENT SIZE TO DEWATER THE WORK AREA.
7. EXISTING STORM DRAIN SYSTEMS WILL NEED TO BE MAINTAINED DURING THE STAGED CONSTRUCTION.
8. EXCAVATE UNDER PROPOSED CULVERT FOOTPRINT PER GEOTECHNICAL RECOMMENDATIONS / STRUCTURAL PLANS. ALL EXCAVATIONS SHALL BE PERFORMED IN ONLY DRY OR ISOLATED SECTIONS OF THE CHANNEL.
9. CONSTRUCT PROPOSED CULVERT, WALLS, AND DOWNSTREAM CHANNEL IMPROVEMENTS.
10. INSTALL STAGE II TEMPORARY SHORING, BACKFILL AROUND CULVERT, AND CONSTRUCT ROADWAY IMPROVEMENTS.
11. STRIPE NEW ROADWAY (NORTHERN SECTION OF W. PEACE STREET (-Y1-) TO ACCOMMODATE 2-WAY 3 LANE TRAFFIC.





STAGE I – TYPICAL
LOOKING EAST ON PEACE STREET (NOT TO SCALE)



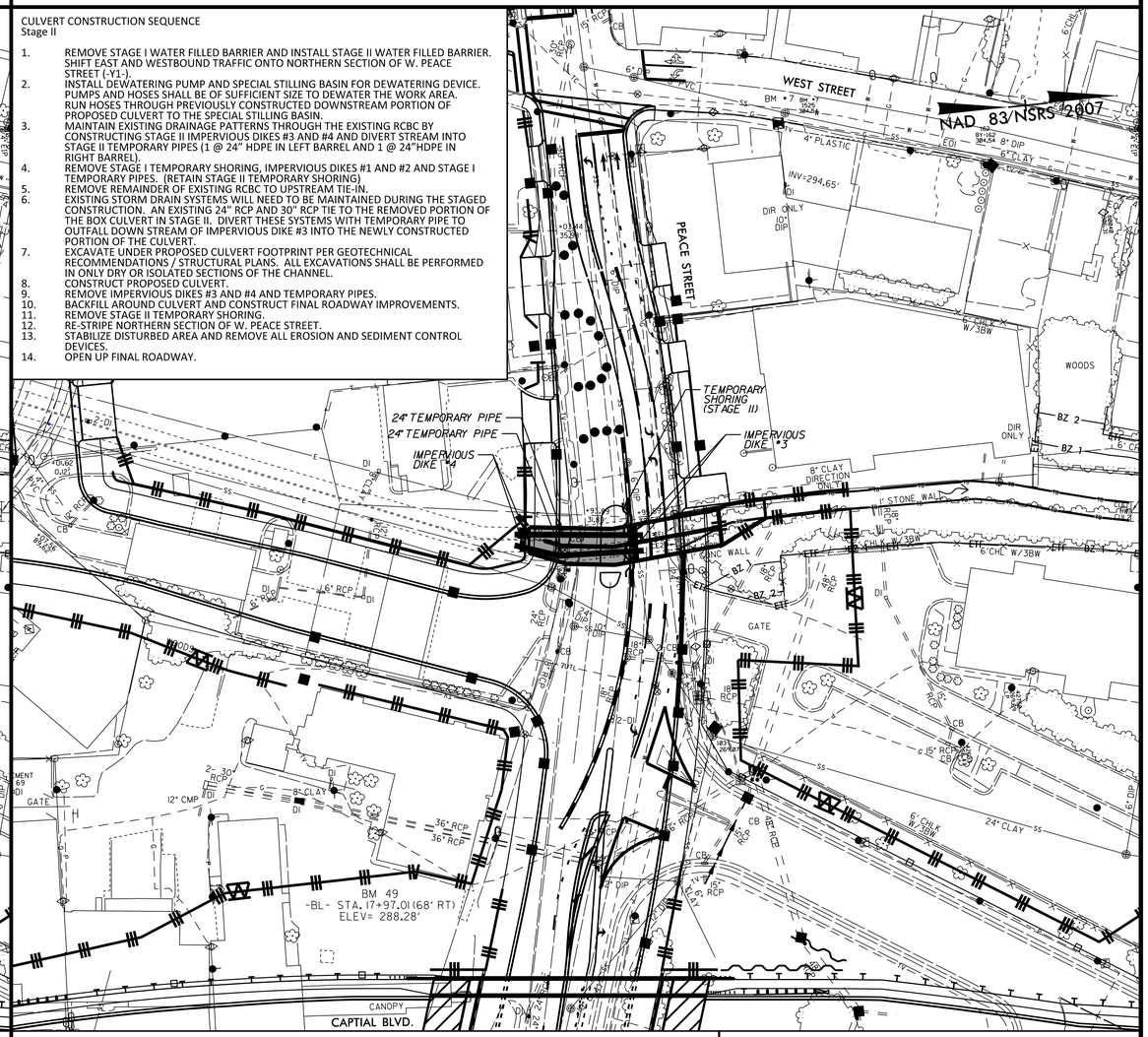
IMPERVIOUS DIKES BLOCKING EXISTING CULVERT WITH 2@24" TEMPORARY BYPASS PIPES CENTERED BETWEEN EXISTING AND PROPOSED CULVERTS

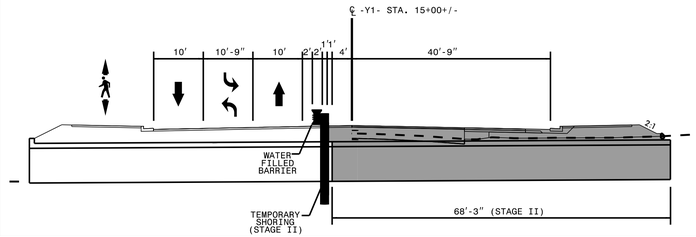
STAGE I
IMPERVIOUS DIKE DETAIL
LEFT TO RIGHT,LOOKING DOWNSTREAM (NOT TO SCALE)

STAGE II

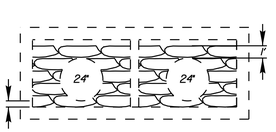
CULVERT CONSTRUCTION SEQUENCE
Stage II

1. REMOVE STAGE I WATER FILLED BARRIER AND INSTALL STAGE II WATER FILLED BARRIER. SHIFT EAST AND WESTBOUND TRAFFIC ONTO NORTHERN SECTION OF W. PEACE STREET (-Y1-).
2. INSTALL DEWATERING PUMP AND SPECIAL STILLING BASIN FOR DEWATERING DEVICE. PUMPS AND HOSES SHALL BE OF SUFFICIENT SIZE TO DEWATER THE WORK AREA. RUN HOSES THROUGH PREVIOUSLY CONSTRUCTED DOWNSTREAM PORTION OF PROPOSED CULVERT TO THE SPECIAL STILLING BASIN.
3. MAINTAIN EXISTING DRAINAGE PATTERNS THROUGH THE EXISTING RCBC BY CONSTRUCTING STAGE II IMPERVIOUS DIKES #3 AND #4 AND DIVERT STREAM INTO STAGE II TEMPORARY PIPES (1 @ 24" HDPE IN LEFT BARREL AND 1 @ 24"HDPE IN RIGHT BARREL).
4. REMOVE STAGE I TEMPORARY SHORING, IMPERVIOUS DIKES #1 AND #2 AND STAGE I TEMPORARY PIPES. (RETAIN STAGE II TEMPORARY SHORING)
5. REMOVE REMAINDER OF EXISTING RCBC TO UPSTREAM TIE-IN.
6. EXISTING STORM DRAIN SYSTEMS WILL NEED TO BE MAINTAINED DURING THE STAGED CONSTRUCTION. AN EXISTING 24" RCP AND 30" RCP TIE TO THE REMOVED PORTION OF THE BOX CULVERT IN STAGE II. DIVERT THESE SYSTEMS WITH TEMPORARY PIPE TO OUTFALL DOWN STREAM OF IMPERVIOUS DIKE #3 INTO THE NEWLY CONSTRUCTED PORTION OF THE CULVERT.
7. EXCAVATE UNDER PROPOSED CULVERT FOOTPRINT PER GEOTECHNICAL RECOMMENDATIONS / STRUCTURAL PLANS. ALL EXCAVATIONS SHALL BE PERFORMED IN ONLY DRY OR ISOLATED SECTIONS OF THE CHANNEL.
8. CONSTRUCT PROPOSED CULVERT.
9. REMOVE IMPERVIOUS DIKES #3 AND #4 AND TEMPORARY PIPES.
10. BACKFILL AROUND CULVERT AND CONSTRUCT FINAL ROADWAY IMPROVEMENTS.
11. REMOVE STAGE II TEMPORARY SHORING.
12. RE-STRIPE NORTHERN SECTION OF W. PEACE STREET.
13. STABILIZE DISTURBED AREA AND REMOVE ALL EROSION AND SEDIMENT CONTROL DEVICES.
14. OPEN UP FINAL ROADWAY.





STAGE II – TYPICAL
LOOKING EAST ON PEACE STREET (NOT TO SCALE)



IMPERVIOUS DIKES BLOCKING EXISTING CULVERT WITH 2@24" TEMPORARY BYPASS PIPES CENTERED BETWEEN EXISTING AND PROPOSED CULVERTS

STAGE II
IMPERVIOUS DIKE DETAIL
LEFT TO RIGHT,LOOKING DOWNSTREAM (NOT TO SCALE)

PROJECT REFERENCE NO.	SHEET NO.
B-5121 / B-5317	EC-10/CONST.4

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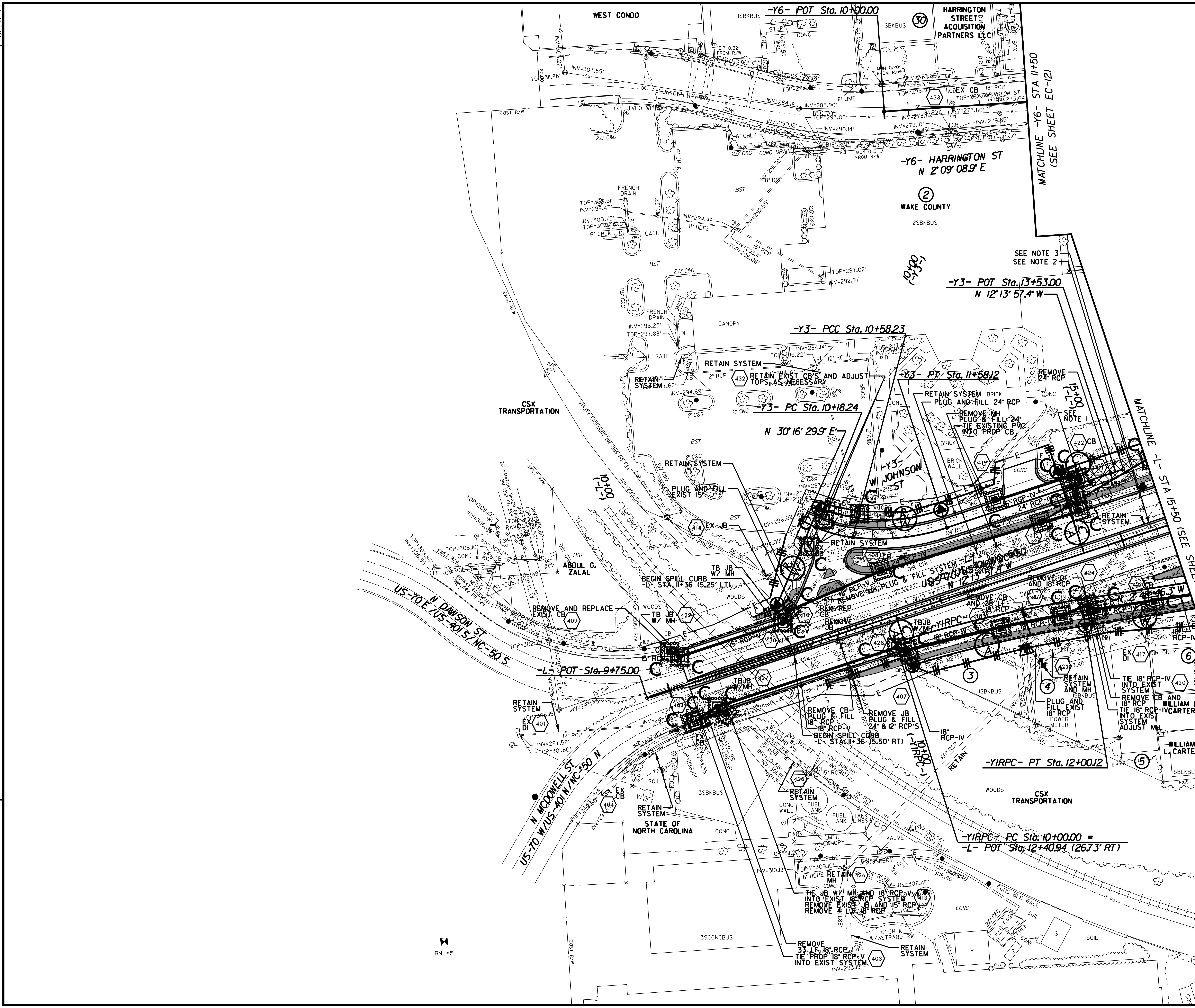
REVISIONS

5/14/99

2/10/2016



NAD 83/NSRS 2007

INSTALL INLET PROTECTION IN ACCORDANCE WITH ENGINEER'S RECOMMENDATIONS

PROJECT REFERENCE NO.	SHEET NO.
B-5121 / B-5317	EC-11/CONST.5

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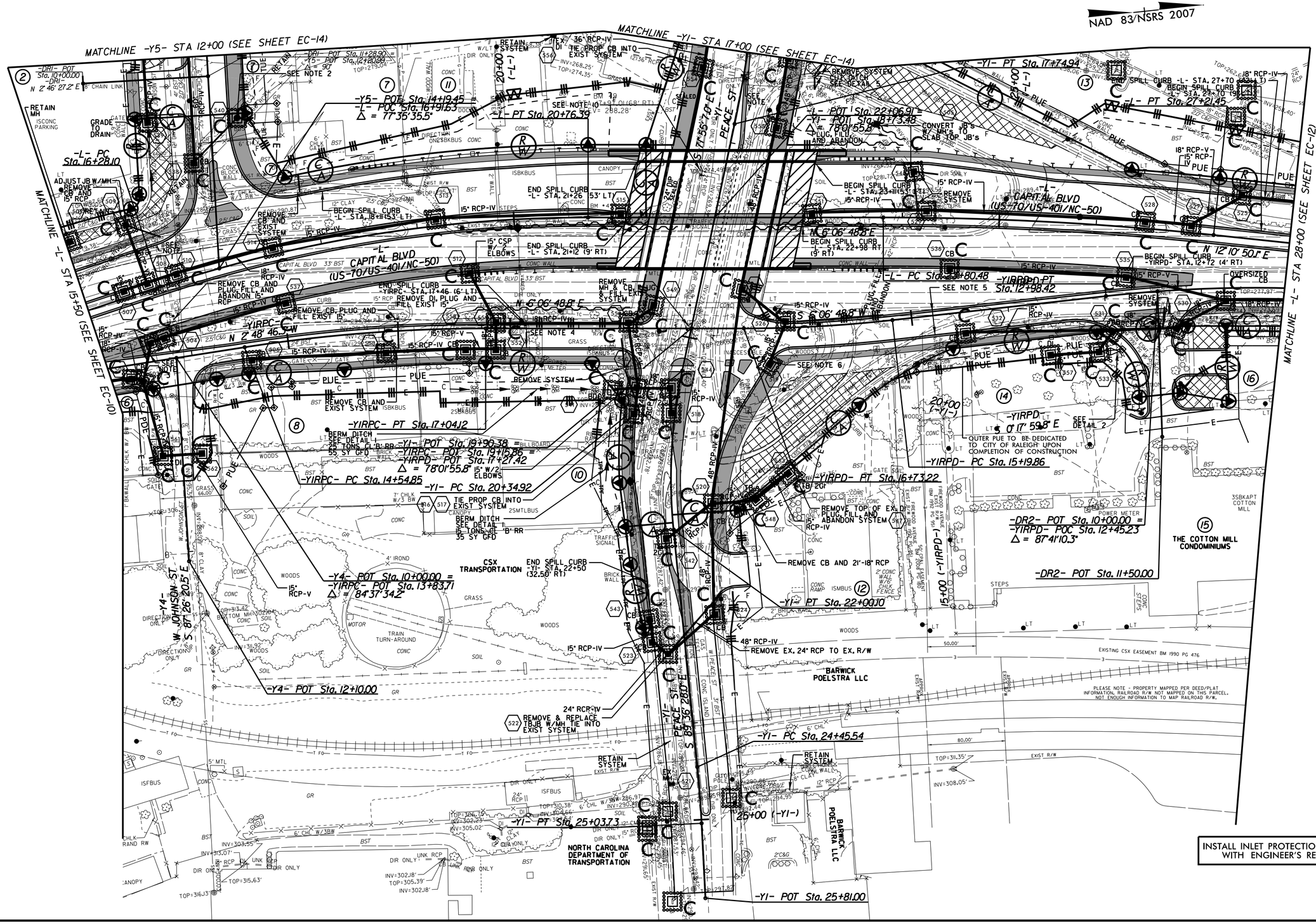
REVISIONS

2/10/2016

NAD 83/NSRS 2007



PROJECT REFERENCE NO.	SHEET NO.
B-5121 / B-5317	EC-12/CONST.6

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REVISIONS

1/18/2016

MATCHLINE -L- STA 28+00 (SEE SHEET EC-11)

MATCHLINE -L- STA 41+50 (SEE SHEET EC-13)

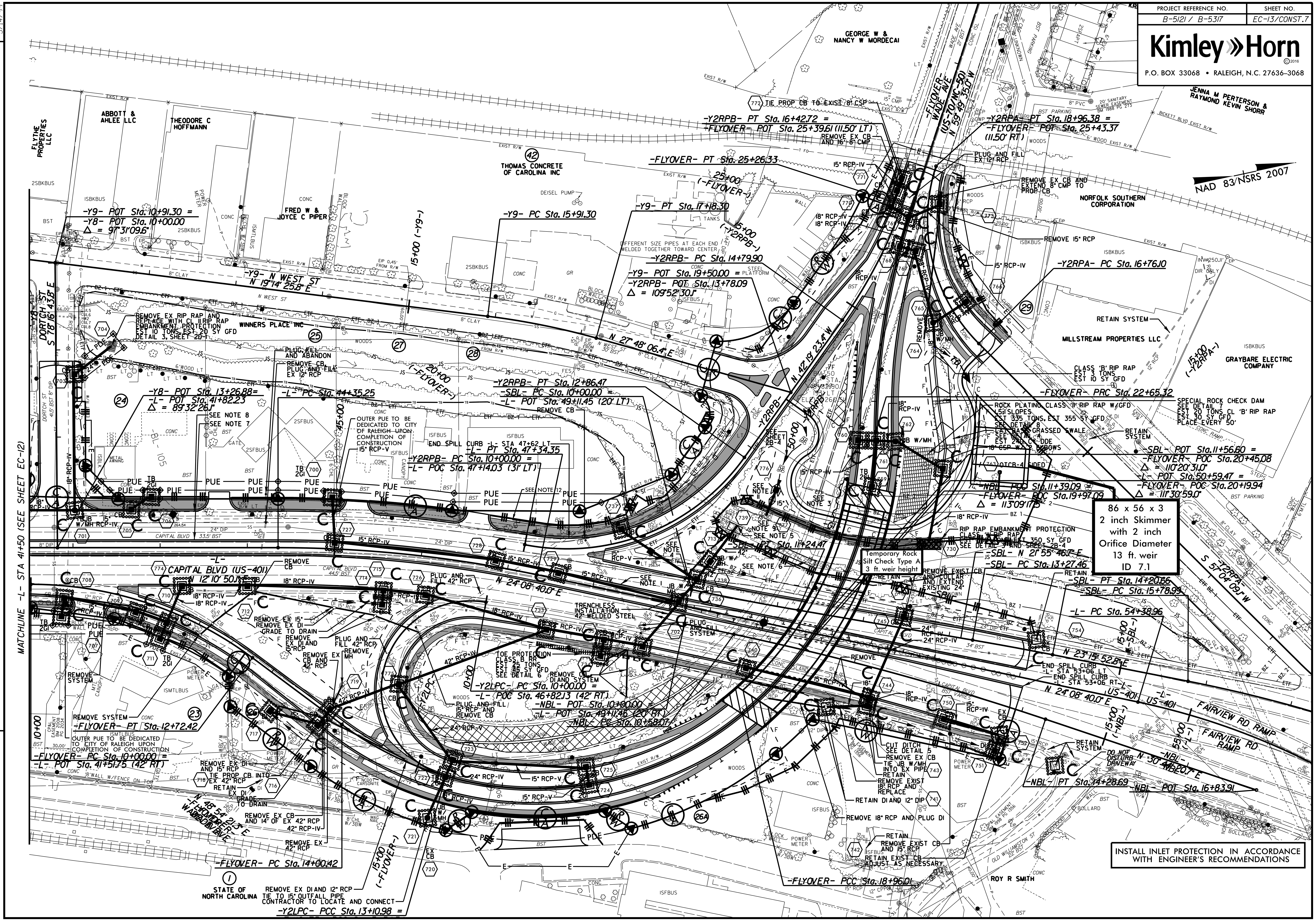
NAD 83/NSRS 2007

CAPITAL BLVD (US-70/US-401/NC-50)
N 12°10'50"E

-YIRPD- PC Sta. 10+00.00 =
-L- POT Sta. 29+13.95 (42° RT)

CSX TRANSPORTATION

INSTALL INLET PROTECTION IN ACCORDANCE WITH ENGINEER'S RECOMMENDATIONS



PROJECT REFERENCE NO.
B-5121 / B-5317
SHEET NO.
EC-13/CONST.7
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NAD 83/NSRS 2007
86 x 56 x 3
2 inch Skimmer
with 2 inch
Orifice Diameter
13 ft. weir
ID 7.1
Temporary Rock
Silt Check Type A
3 ft. weir height
INSTALL INLET PROTECTION IN ACCORDANCE
WITH ENGINEER'S RECOMMENDATIONS
MATCHLINE -L- STA 41+50 (SEE SHEET EC-12)
REVISIONS
-L- CAPITAL BLVD (US-401)
FAIRVIEW RD RAMP
NORFOLK SOUTHERN CORPORATION
THOMAS CONCRETE OF CAROLINA INC
MILLSTREAM PROPERTIES LLC
GRAYBARE ELECTRIC COMPANY
STATE OF NORTH CAROLINA
ROY R SMITH
5/14/99
1/18/2016

PROJECT REFERENCE NO.	SHEET NO.
B-5121 / B-5317	EC-14/CONST.8

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REVISIONS

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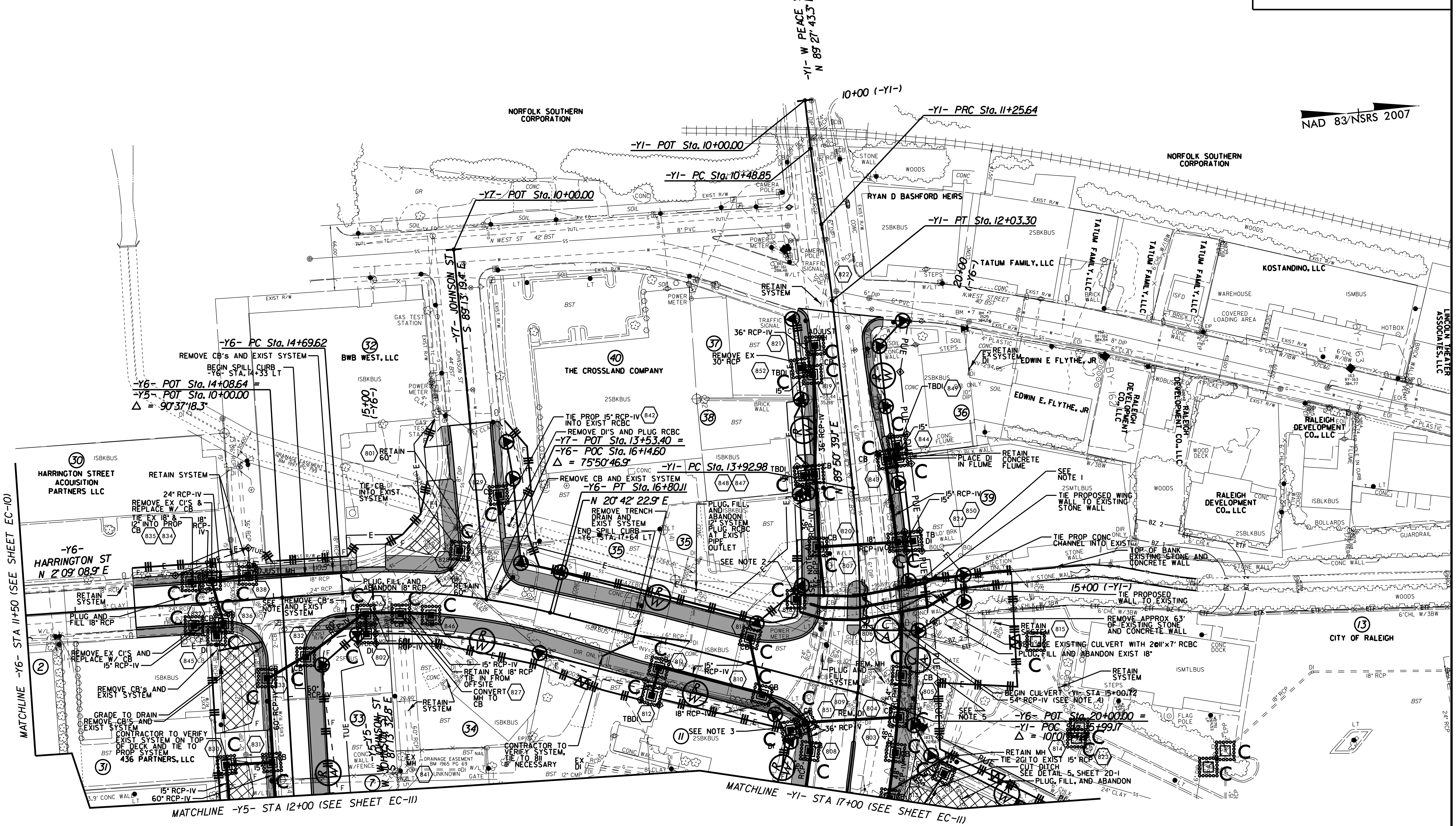

INSTALL INLET PROTECTION IN ACCORDANCE WITH ENGINEER'S RECOMMENDATIONS

1/18/2016