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CLEARING AND GRUBBING PHASE.
SEE SHEET EC-13 FOR THE POST GRADING PHASE.

- 2
- 3
- 43

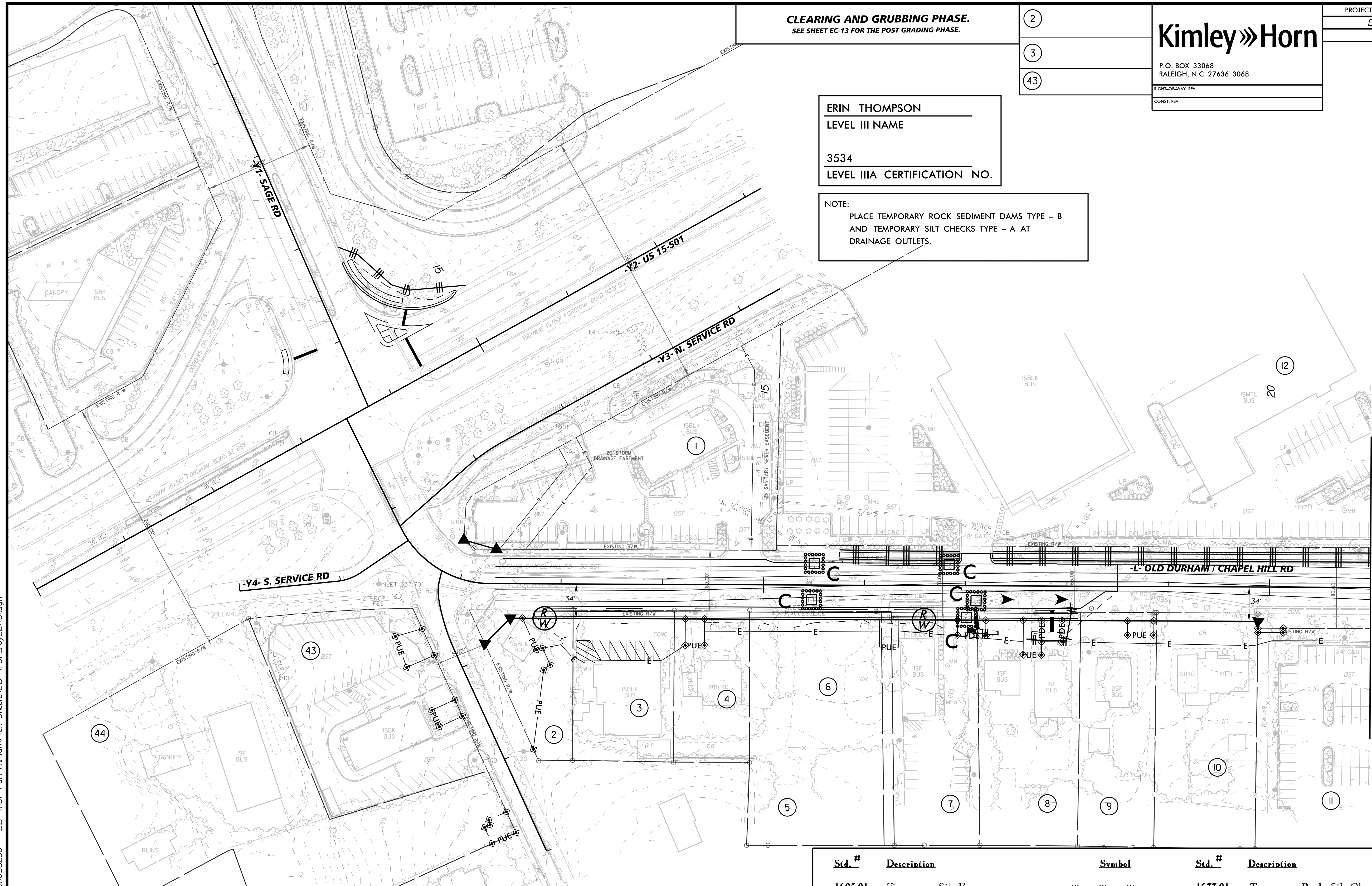
ERIN THOMPSON
LEVEL III NAME

3534
LEVEL IIIA CERTIFICATION NO.

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

NAD 83/2001

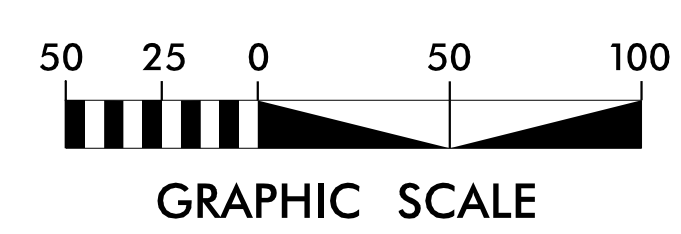
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NOTES: IN LOCATIONS WHERE DRAINAGE STRUCTURES REQUIRE PROTECTION BUT ASPHALT AND CURB PROHIBIT TRADITIONAL BMP OF ROCK INLET SEDIMENT TRAP TYPE C, INSTALL INLET PROTECTION IN ACCORDANCE WITH FIELD ENGINEER'S RECOMMENDATIONS.

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

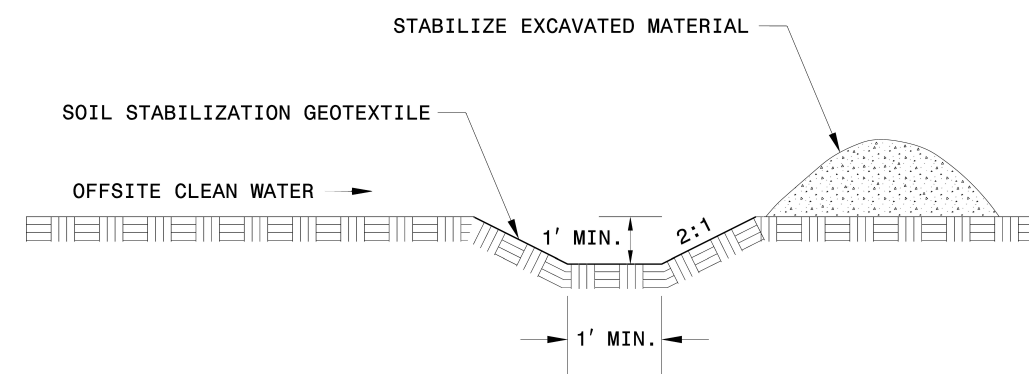
ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.



Std. #	Description	Symbol	Std. #	Description	Symbol
1605.01	Temporary Silt Fence		1633.01	Temporary Rock Silt Check Type-A	⊠
1606.01	Special Sediment Control Fence	⚡		Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	⊠
1630.02	Silt Basin Type B	▨	1633.02	Temporary Rock Silt Check Type-B	⊠
1630.03	Temporary Silt Ditch	— TSD —		Wattle	⤴
1630.05	Temporary Diversion	— TD —		Wattle with Polyacrylamide (PAM)	⤴
1630.06	Special Stilling Basin		1634.02	Temporary Rock Sediment Dam Type-B	⊠
1632.03	Rock Inlet Sediment Trap Type C	⊠	1635.01	Rock Pipe Inlet Sediment Trap Type-B	⊠
	Skimmer Basin	⊠			
	Clean Water Diversion	— CWD —			

CLEAN WATER DIVERSION

→ CWD → CWD → CWD → CWD →
(Not to Scale)



(12)

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

SEE SHEET EC-6 FOR PHASING PLAN

CLEARING AND GRUBBING PHASE.
SEE SHEET EC-14 FOR THE POST GRADING PHASE.

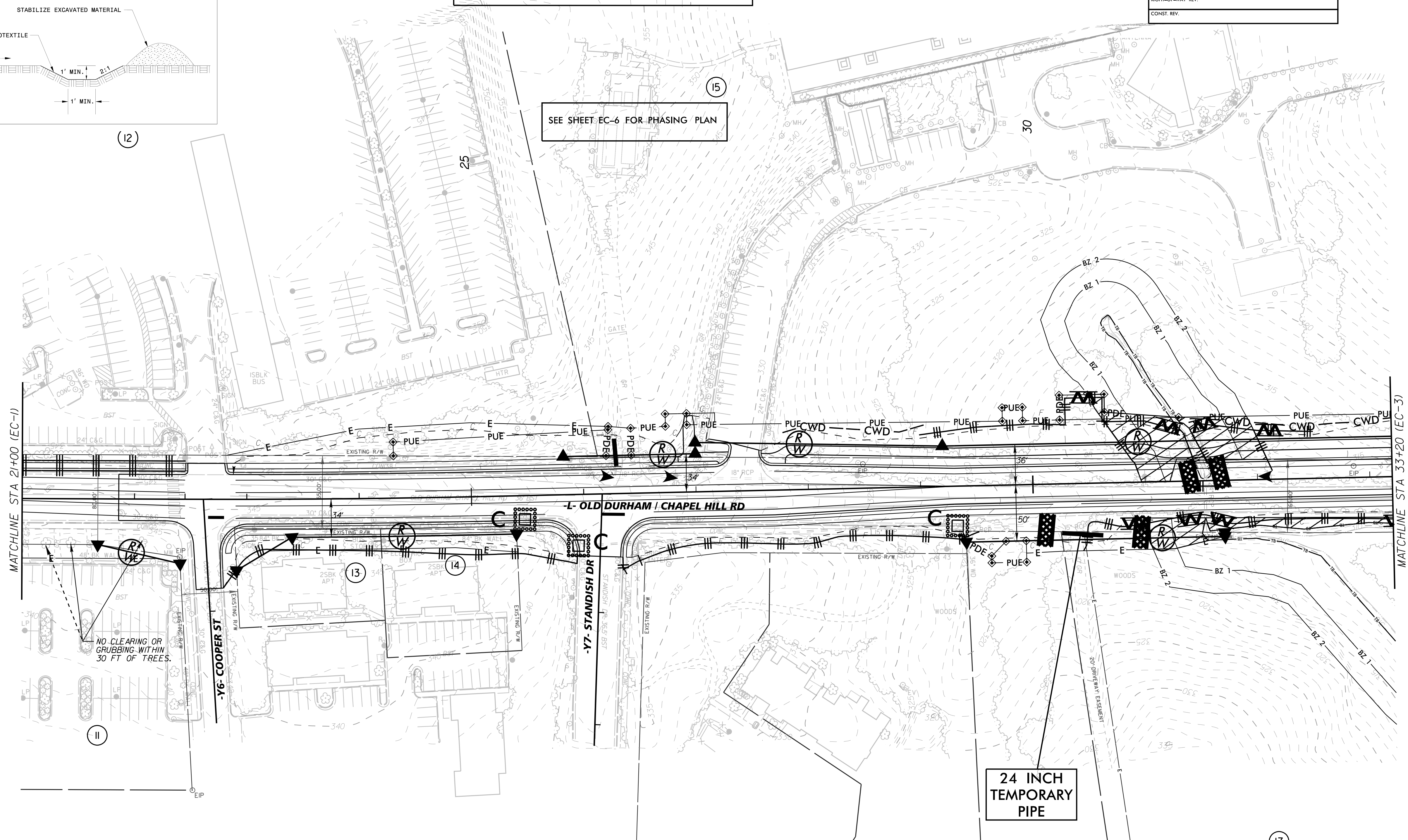
Kimley»Horn

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

RIGHT-OF-WAY REV.

CONST. REV.

PROJECT REFERENCE NO. EB-4707A	SHEET NO. EC-2
R/W SHEET NO.	5

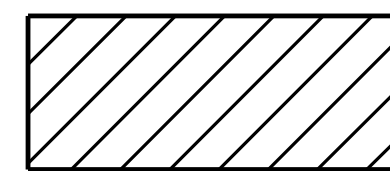


NAD 83

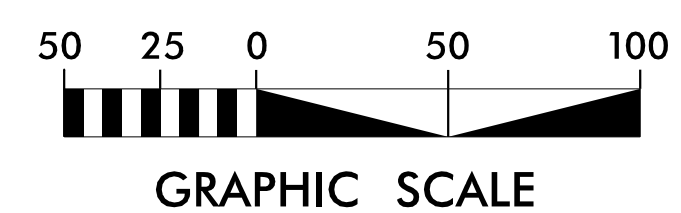
NOTES: IN LOCATIONS WHERE DRAINAGE STRUCTURES REQUIRE PROTECTION BUT ASPHALT AND CURB PROHIBIT TRADITIONAL BMP OF ROCK INLET SEDIMENT TRAP TYPE C, INSTALL INLET PROTECTION IN ACCORDANCE WITH FIELD ENGINEER'S RECOMMENDATIONS.

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.



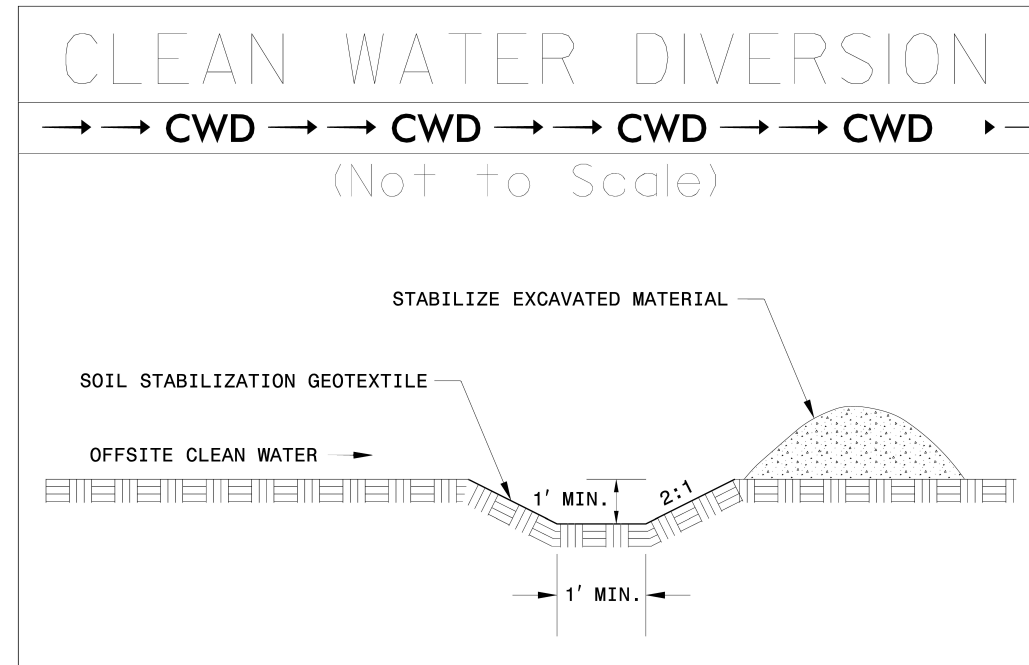
ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS



Std. #	Description	Symbol	Std. #	Description	Symbol
1605.01	Temporary Silt Fence		1633.01	Temporary Rock Silt Check Type-A	⊗
1606.01	Special Sediment Control Fence	⚡		Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	⊗
1630.02	Silt Basin Type B	▨	1633.02	Temporary Rock Silt Check Type-B	⊙
1630.03	Temporary Silt Ditch	— TSD —		Wattle	⌒
1630.05	Temporary Diversion	— TD —		Wattle with Polyacrylamide (PAM)	⌒
1630.06	Special Stilling Basin		1634.02	Temporary Rock Sediment Dam Type-B	▩
1632.03	Rock Inlet Sediment Trap Type C	⊠	1635.01	Rock Pipe Inlet Sediment Trap Type-B	⊕
	Skimmer Basin	▭			

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2/11/2019



20

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

CLEARING AND GRUBBING PHASE.
SEE SHEET EC-15 FOR THE POST GRADING PHASE.

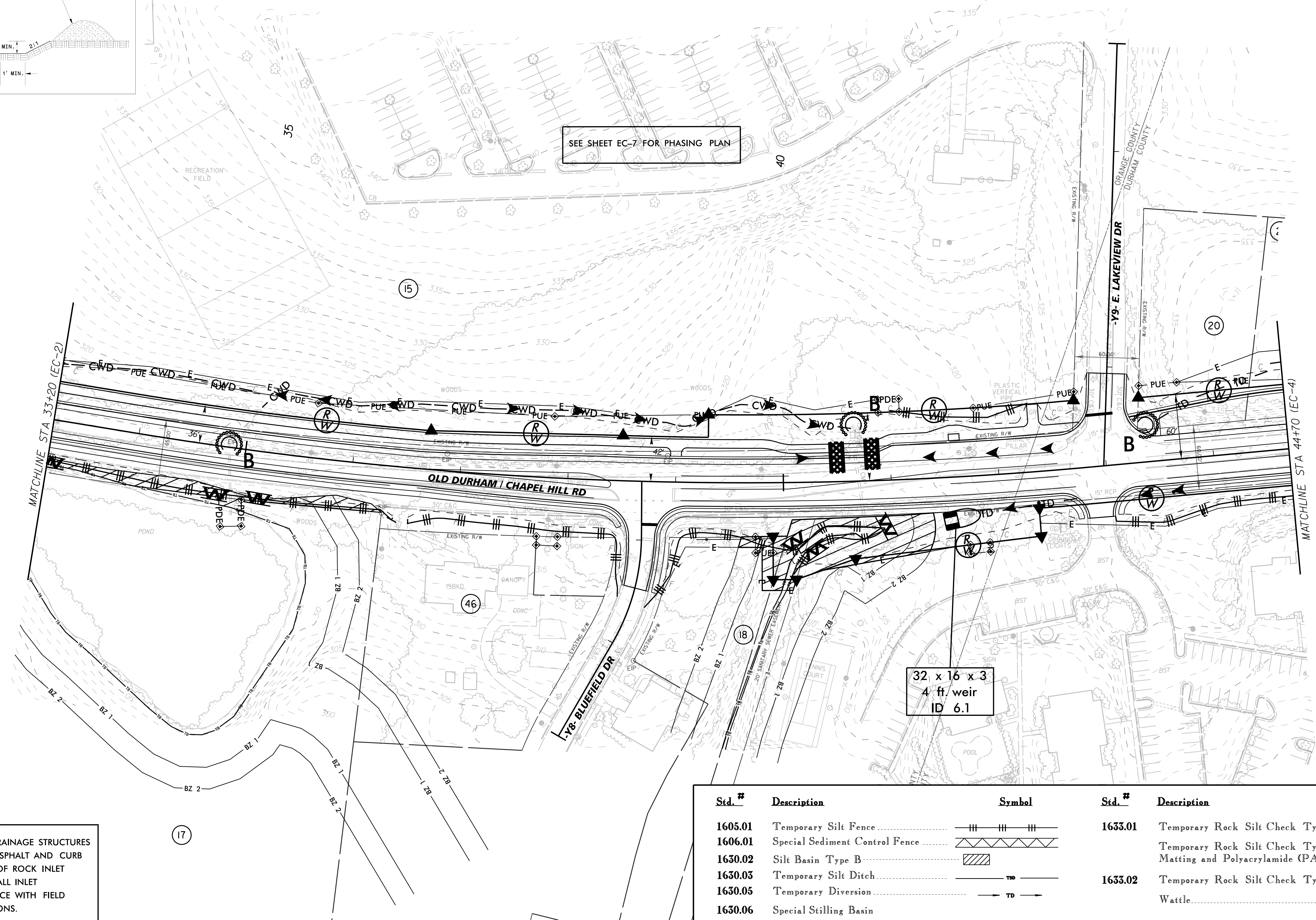
Kimley»Horn

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RALEIGH, N.C. 27636-3068
RIGHT-OF-WAY REV.
CONST. REV.

PROJECT REFERENCE NO. EB-4707A	SHEET NO. EC-3
R/W SHEET NO. 6	

SEE SHEET EC-7 FOR PHASING PLAN

NAD 83/2001

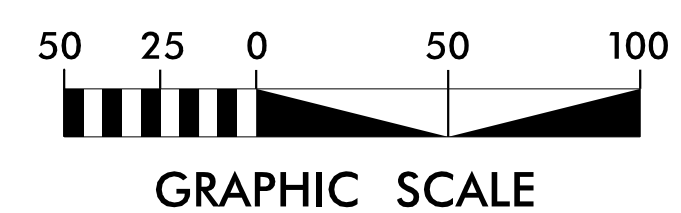


32 x 16 x 3
4 ft weir
ID 6.1

NOTES: IN LOCATIONS WHERE DRAINAGE STRUCTURES
REQUIRE PROTECTION BUT ASPHALT AND CURB
PROHIBIT TRADITIONAL BMP OF ROCK INLET
SEDIMENT TRAP TYPE C, INSTALL INLET
PROTECTION IN ACCORDANCE WITH FIELD
ENGINEER'S RECOMMENDATIONS.

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.

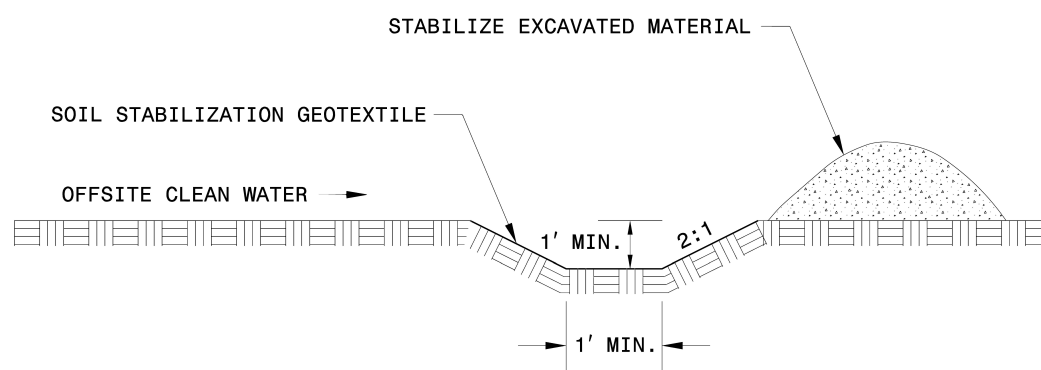


Std. #	Description	Symbol	Std. #	Description	Symbol
1605.01	Temporary Silt Fence		1633.01	Temporary Rock Silt Check Type-A	⊗
1606.01	Special Sediment Control Fence	⚡		Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	⊗
1630.02	Silt Basin Type B	▨	1633.02	Temporary Rock Silt Check Type-B	⊗
1630.03	Temporary Silt Ditch	— TSD —		Wattle	⌒
1630.05	Temporary Diversion	— TD —		Wattle with Polyacrylamide (PAM)	⌒
1630.06	Special Stilling Basin		1634.02	Temporary Rock Sediment Dam Type-B	⊡
1632.03	Rock Inlet Sediment Trap Type C	⊠	1635.01	Rock Pipe Inlet Sediment Trap Type-B	⊡
	Skimmer Basin	⊠			

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CLEAN WATER DIVERSION

→ CWD → CWD → CWD → CWD →
(Not to Scale)



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

CLEARING AND GRUBBING PHASE.
SEE SHEET EC-16 FOR THE POST GRADING PHASE.

Kimley»Horn

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RALEIGH, N.C. 27636-3068
RIGHT-OF-WAY REV.
CONST. REV.

PROJECT REFERENCE NO. EB-4707A	SHEET NO. EC-4
R/W SHEET NO. 7	

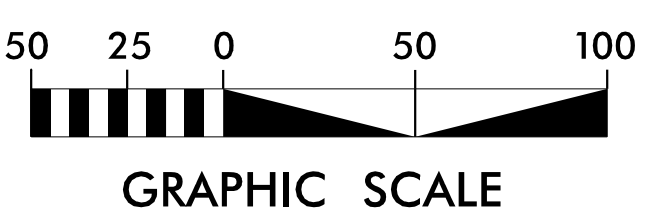
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2/11/2019

NOTES: IN LOCATIONS WHERE DRAINAGE STRUCTURES REQUIRE PROTECTION BUT ASPHALT AND CURB PROHIBIT TRADITIONAL BMP OF ROCK INLET SEDIMENT TRAP TYPE C, INSTALL INLET PROTECTION IN ACCORDANCE WITH FIELD ENGINEER'S RECOMMENDATIONS.

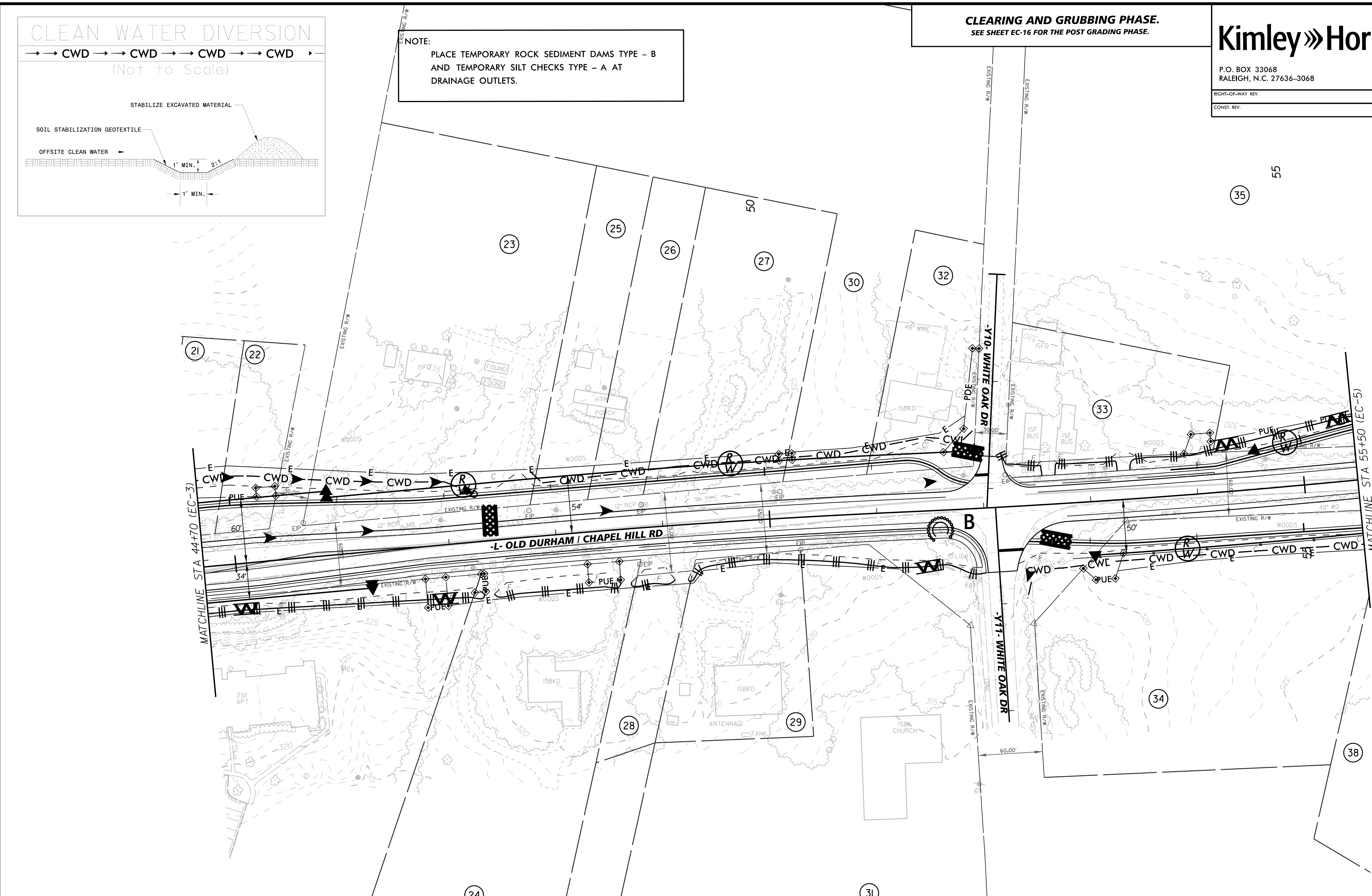
NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.

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

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

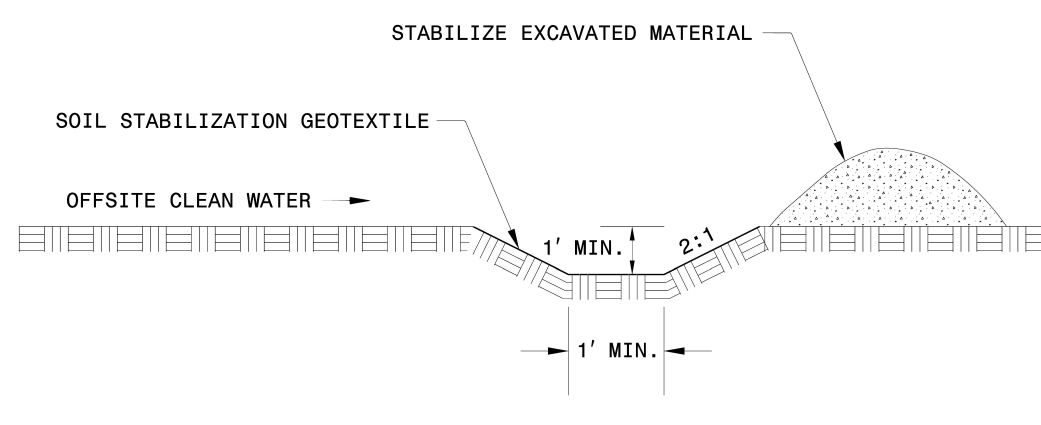


Std. #	Description	Symbol	Std. #	Description	Symbol
1605.01	Temporary Silt Fence		1633.01	Temporary Rock Silt Check Type-A	
1606.01	Special Sediment Control Fence			Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	
1630.02	Silt Basin Type B		1633.02	Temporary Rock Silt Check Type-B	
1630.03	Temporary Silt Ditch			Wattle	
1630.05	Temporary Diversion			Wattle with Polyacrylamide (PAM)	
1630.06	Special Stilling Basin		1634.02	Temporary Rock Sediment Dam Type-B	
1632.03	Rock Inlet Sediment Trap Type C		1635.01	Rock Pipe Inlet Sediment Trap Type-B	
	Skimmer Basin				



CLEAN WATER DIVERSION

→ CWD → CWD → CWD → CWD →
(Not to Scale)



38 x 19 x 3
4 ft. weir
ID 8.1

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

CLEARING AND GRUBBING PHASE.
SEE SHEET EC-17 FOR THE POST GRADING PHASE.

Kimley»Horn

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RALEIGH, N.C. 27636-3068
RIGHT-OF-WAY REV.
CONST. REV.

PROJECT REFERENCE NO. EB-4707A	SHEET NO. EC-5
R/W SHEET NO. 8	

NAD 83 2001

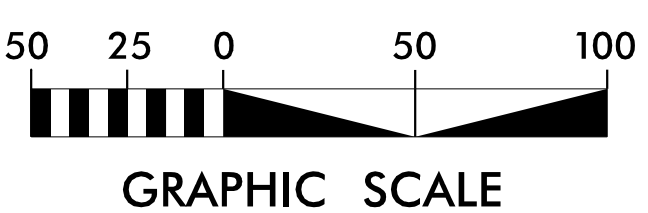
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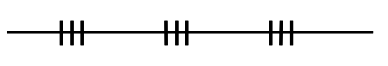
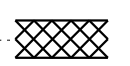
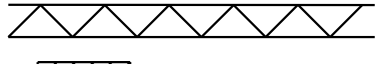



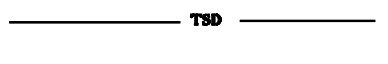

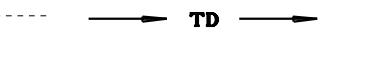






NOTES: IN LOCATIONS WHERE DRAINAGE STRUCTURES REQUIRE PROTECTION BUT ASPHALT AND CURB PROHIBIT TRADITIONAL BMP OF ROCK INLET SEDIMENT TRAP TYPE C, INSTALL INLET PROTECTION IN ACCORDANCE WITH FIELD ENGINEER'S RECOMMENDATIONS.

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

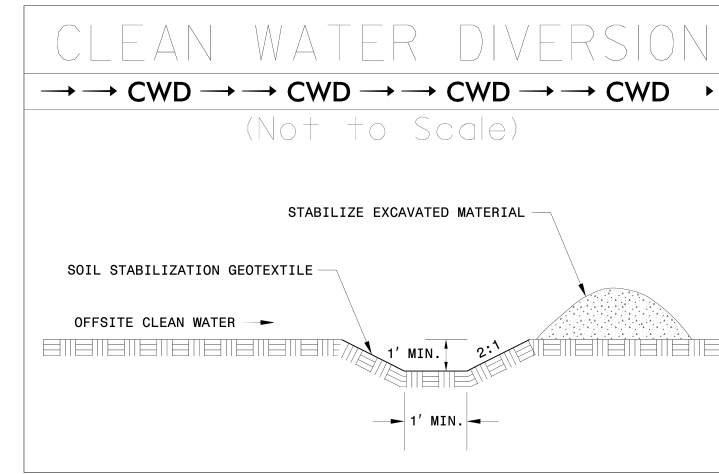


Std. #	Description	Symbol	Std. #	Description	Symbol
1605.01	Temporary Silt Fence		1633.01	Temporary Rock Silt Check Type-A	
1606.01	Special Sediment Control Fence			Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	
1630.02	Silt Basin Type B		1633.02	Temporary Rock Silt Check Type-B	
1630.03	Temporary Silt Ditch			Wattle	
1630.05	Temporary Diversion			Wattle with Polyacrylamide (PAM)	
1630.06	Special Stilling Basin		1634.02	Temporary Rock Sediment Dam Type-B	
1632.03	Rock Inlet Sediment Trap Type C		1635.01	Rock Pipe Inlet Sediment Trap Type-B	
	Skimmer Basin				

CULVERT CONSTRUCTION - PHASE 1

CULVERT PHASING - PHASE 1

1. INSTALL TEMPORARY PIPE FROM EXISTING CHANNEL TO EXISTING CULVERT.
2. INSTALL TEMPORARY IMPERVIOUS DIKE AND DIVERT WATER THROUGH TEMPORARY PIPE INTO EXISTING CULVERT.
3. INSTALL PERMANENT 42" RCP AND HEADWALL.
4. CONSTRUCT NORTHERN PORTION OF ROADWAY AS SHOWN IN THE TRAFFIC MANAGEMENT PHASING.
5. UTILIZE SPECIAL STILLING BASINS DURING CONSTRUCTION AS NEEDED.



CULVERT CONSTRUCTION - PHASE 2

CULVERT PHASING - PHASE 2

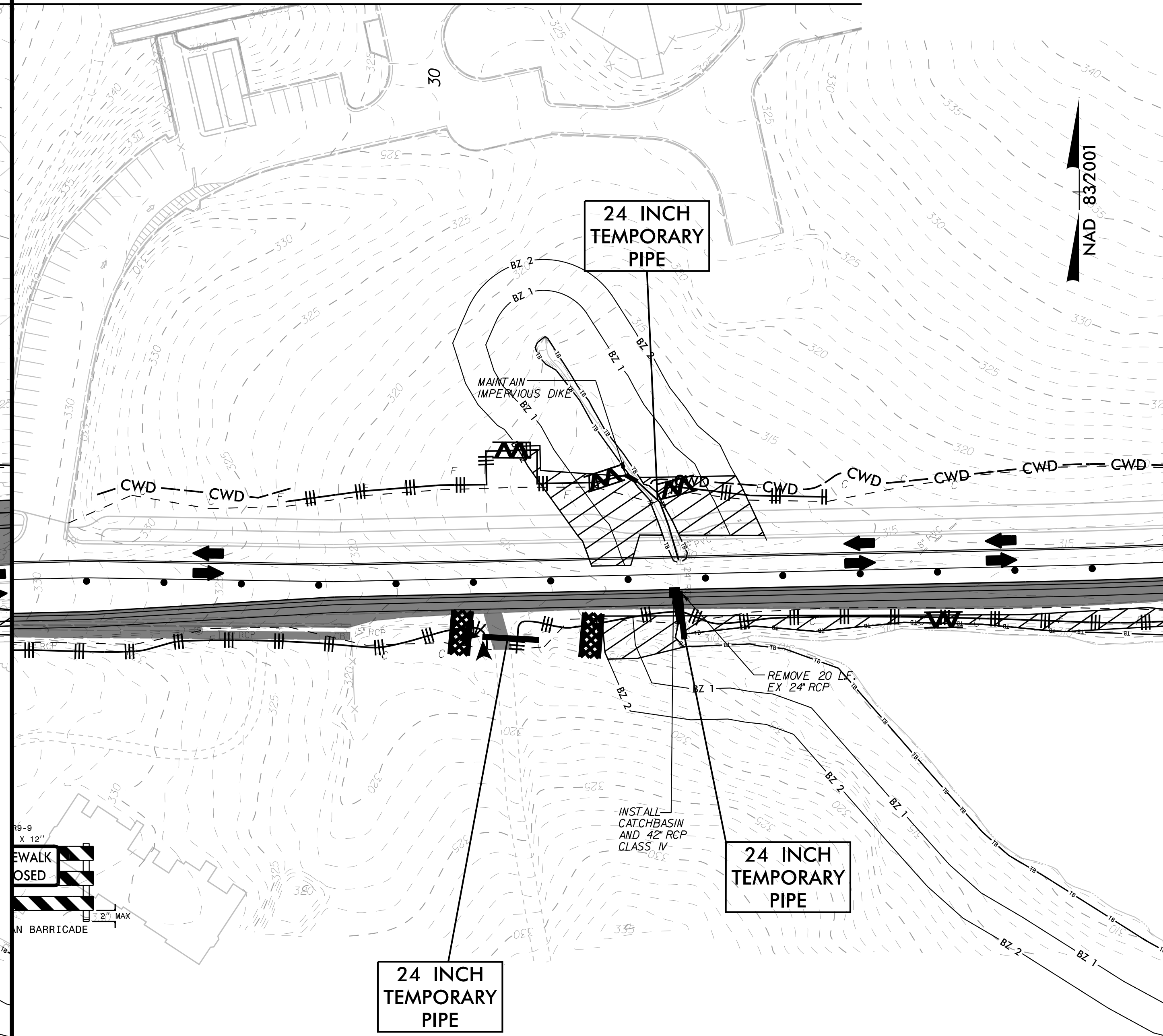
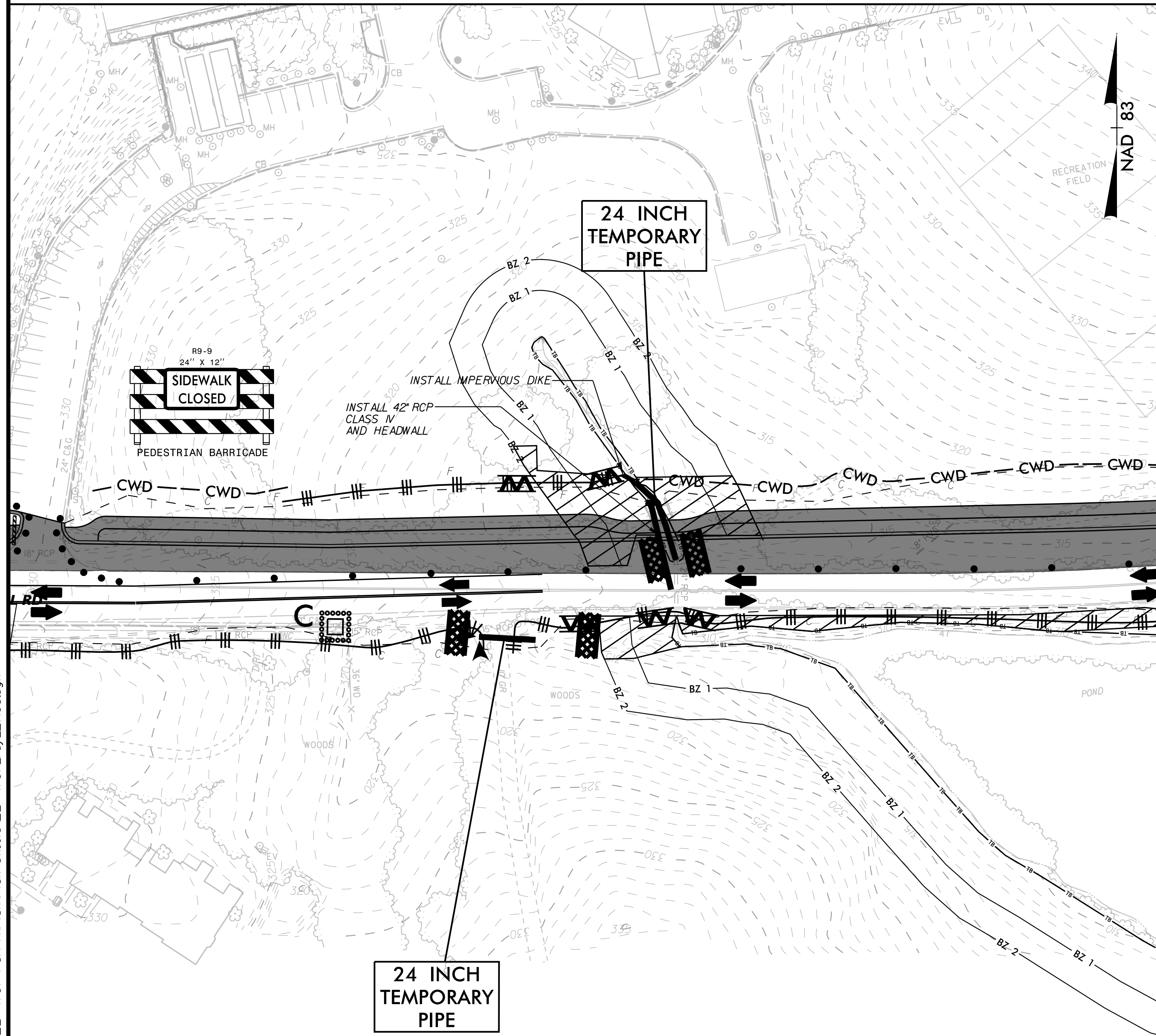
1. MAINTAIN NORTHERN TEMPORARY PIPE AND IMPERVIOUS DIKE FROM PHASE 1.
2. REMOVE 20 L.F. OF EXISTING 24" PIPE AND INSTALL SOUTHERN TEMPORARY PIPE FROM REMAINING EXISTING CULVERT TO CHANNEL.
3. INSTALL PERMANENT CATCH BASIN AND PERMANENT 42" RCP.
4. REMOVE IMPERVIOUS DIKE AND NORTHERN TEMPORARY PIPE AND DIVERT WATER THROUGH PERMANENT 42" PIPE.
5. REMOVE REMAINING EXISTING 24" PIPE AND SOUTHERN TEMPORARY PIPE.
6. UTILIZE SPECIAL STILLING BASINS DURING CONSTRUCTION AS NEEDED.

Kimley»Horn

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

RIGHT-OF-WAY REV.
CONST. REV.

PROJECT REFERENCE NO. EB-4707A	SHEET NO. EC-6
RW SHEET NO.	

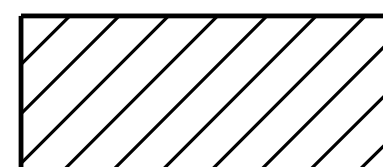


NOTES: IN LOCATIONS WHERE DRAINAGE STRUCTURES REQUIRE PROTECTION BUT ASPHALT AND CURB PROHIBIT TRADITIONAL BMP OF ROCK INLET SEDIMENT TRAP TYPE C, INSTALL INLET PROTECTION IN ACCORDANCE WITH FIELD ENGINEER'S RECOMMENDATIONS.

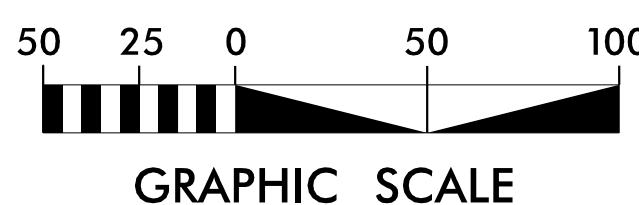
NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.

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

NOTE:
CULVERT CONSTRUCTION PHASING LISTED BELOW SHALL BE USED AS A SUGGESTED SEQUENCE. CONTRACTOR MAY DIVERT FROM SUGGESTED SEQUENCE UPON APPROVAL FROM THE ENGINEER AND RECEIPT OF A NEW SEQUENCE AND PHASING PLAN. EROSION CONTROL MEASURES LISTED FOR PHASING ARE IN ADDITION TO ROADWAY EROSION CONTROL MEASURES.



ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS



Std. #	Description	Symbol
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	▲▲▲ ▲▲▲ ▲▲▲
1630.02	Silt Basin Type B	▨
1630.03	Temporary Silt Ditch	TSD
1630.05	Temporary Diversion	TD
1630.06	Special Stilling Basin	
1632.03	Rock Inlet Sediment Trap Type C	□
	Skimmer Basin	▭

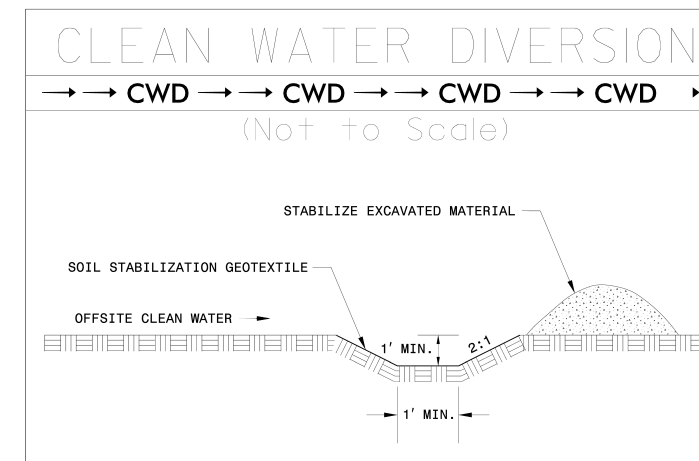
Std. #	Description	Symbol
1633.01	Temporary Rock Silt Check Type-A	▩
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	▩
1633.02	Temporary Rock Silt Check Type-B	▶
	Wattle	⤿
	Wattle with Polyacrylamide (PAM)	⤿
1634.02	Temporary Rock Sediment Dam Type-B	▭
1635.01	Rock Pipe Inlet Sediment Trap Type-B	⤿

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CULVERT CONSTRUCTION - PHASE 1

CULVERT PHASING - PHASE 1

1. INSTALL TEMPORARY PIPE FROM EXISTING LOW POINTS TO EXISTING CULVERT.
2. INSTALL PERMANENT 36" RCP AND HEADWALL.
3. CONSTRUCT NORTHERN PORTION OF ROADWAY AS SHOWN IN THE TRAFFIC MANAGEMENT PHASING.
4. UTILIZE SPECIAL STILLING BASINS DURING CONSTRUCTION AS NEEDED.



CULVERT CONSTRUCTION - PHASE 2

CULVERT PHASING - PHASE 2

1. INSTALL DITCHES IN PERMANENT LOCATION AND DIVERT WATER THROUGH PROPOSED 36" RCP.
2. REMOVE TEMPORARY PIPE AND EXISTING PIPES.
3. CONSTRUCT SOUTHERN PORTION OF ROADWAY AS SHOWN IN THE TRAFFIC MANAGEMENT PLANS.
4. UTILIZE SPECIAL STILLING BASINS DURING CONSTRUCTION AS NEEDED.

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RALEIGH, N.C. 27636-3068

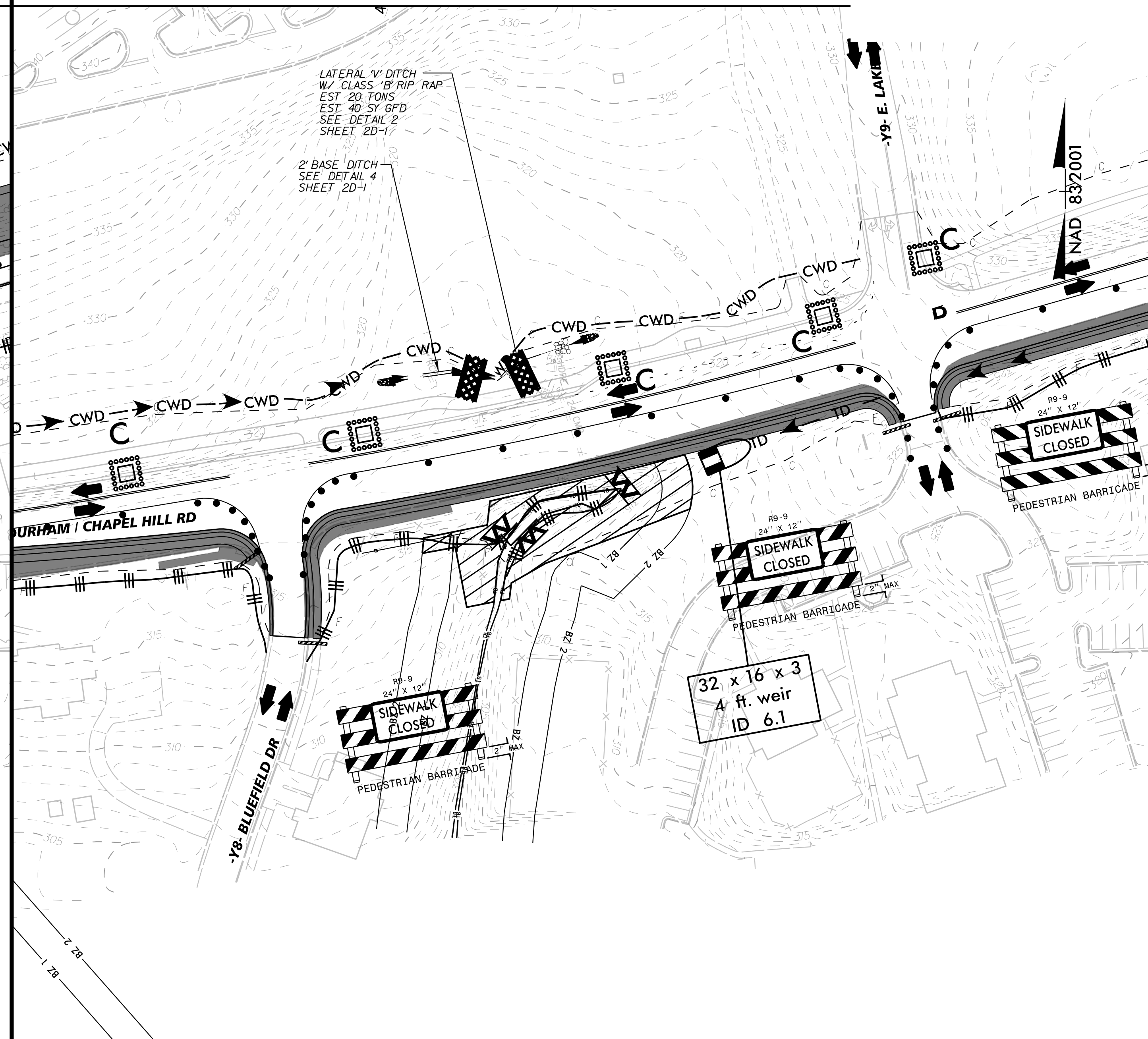
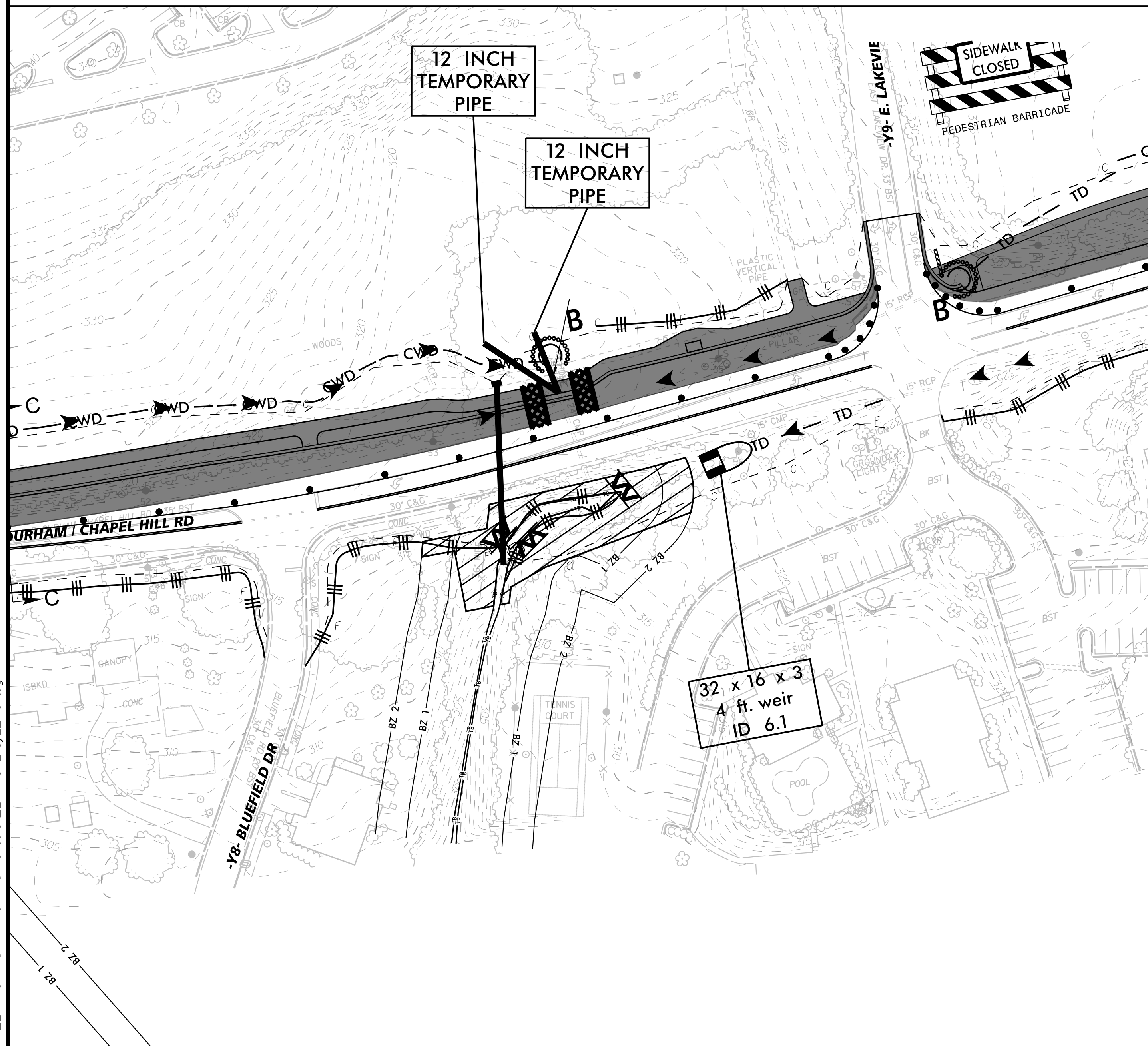
RIGHT-OF-WAY REV.

CONST. REV.

PROJECT REFERENCE NO. SHEET NO.

EB-4707A EC-7

R/W SHEET NO.

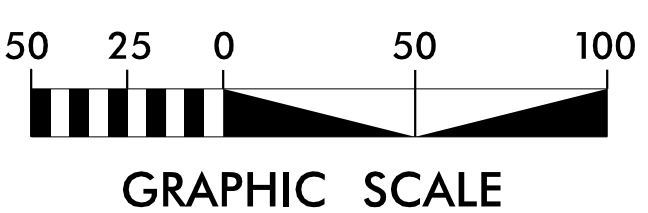


NOTES: IN LOCATIONS WHERE DRAINAGE STRUCTURES REQUIRE PROTECTION BUT ASPHALT AND CURB PROHIBIT TRADITIONAL BMP OF ROCK INLET SEDIMENT TRAP TYPE C, INSTALL INLET PROTECTION IN ACCORDANCE WITH FIELD ENGINEER'S RECOMMENDATIONS.

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

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NOTE:
CULVERT CONSTRUCTION PHASING LISTED BELOW SHALL BE USED AS A SUGGESTED SEQUENCE. CONTRACTOR MAY DIVERT FROM SUGGESTED SEQUENCE UPON APPROVAL FROM THE ENGINEER AND RECEIPT OF A NEW SEQUENCE AND PHASING PLAN. EROSION CONTROL MEASURES LISTED FOR PHASING ARE IN ADDITION TO ROADWAY EROSION CONTROL MEASURES.



Std. #	Description	Symbol	Std. #	Description	Symbol
1605.01	Temporary Silt Fence		1633.01	Temporary Rock Silt Check Type-A	⊗
1606.01	Special Sediment Control Fence	⚡		Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	⊗
1630.02	Silt Basin Type B	▨	1633.02	Temporary Rock Silt Check Type-B	⊗
1630.03	Temporary Silt Ditch	TD		Wattle	⌒
1630.05	Temporary Diversion	TD		Wattle with Polyacrylamide (PAM)	⌒
1630.06	Special Stilling Basin		1634.02	Temporary Rock Sediment Dam Type-B	⊔
1632.03	Rock Inlet Sediment Trap Type C	⊠	1635.01	Rock Pipe Inlet Sediment Trap Type-B	⊔
	Skimmer Basin	⊠			

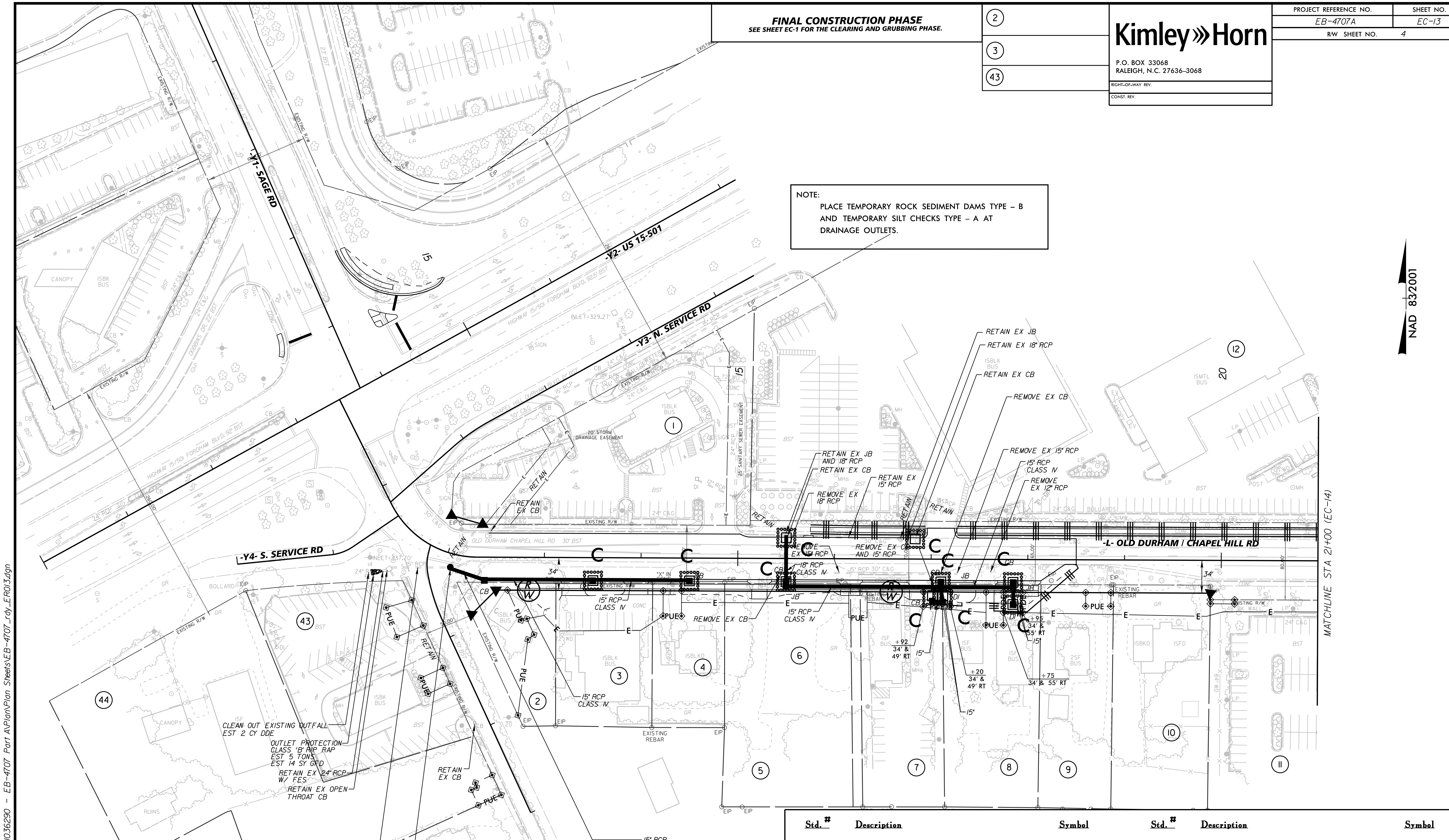
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FINAL CONSTRUCTION PHASE
SEE SHEET EC-1 FOR THE CLEARING AND GRUBBING PHASE.

- 2
- 3
- 43

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

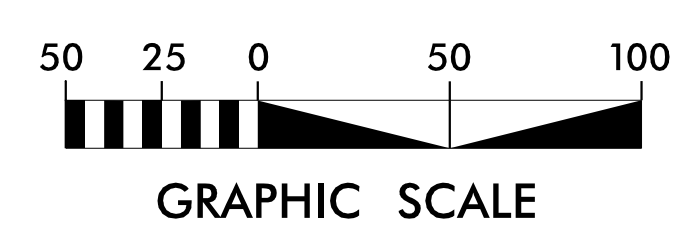
NAD 83/2001



NOTES: IN LOCATIONS WHERE DRAINAGE STRUCTURES REQUIRE PROTECTION BUT ASPHALT AND CURB PROHIBIT TRADITIONAL BMP OF ROCK INLET SEDIMENT TRAP TYPE C, INSTALL INLET PROTECTION IN ACCORDANCE WITH FIELD ENGINEER'S RECOMMENDATIONS.

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



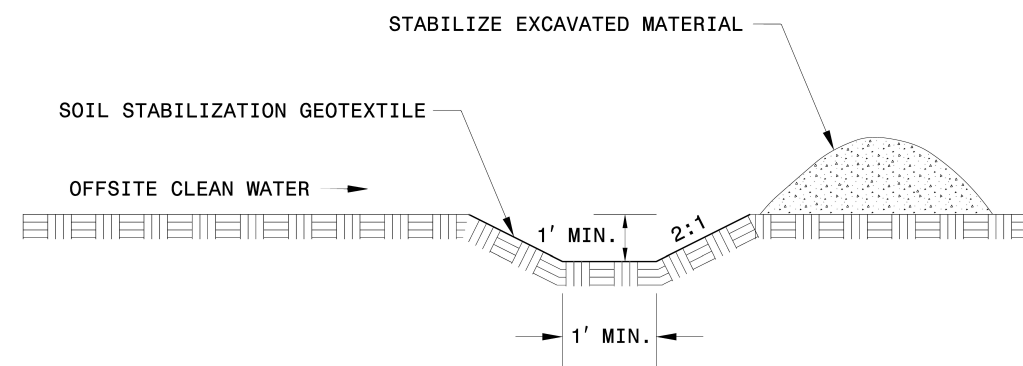
Std. #	Description	Symbol	Std. #	Description	Symbol
1605.01	Temporary Silt Fence		1633.01	Temporary Rock Silt Check Type-A	⊠
1606.01	Special Sediment Control Fence	⚡		Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	⊠
1630.02	Silt Basin Type B	▨	1633.02	Temporary Rock Silt Check Type-B	⊠
1630.03	Temporary Silt Ditch	— TSD —		Wattle	⤴
1630.05	Temporary Diversion	— TD —		Wattle with Polyacrylamide (PAM)	⤴
1630.06	Special Stilling Basin		1634.02	Temporary Rock Sediment Dam Type-B	▩
1632.03	Rock Inlet Sediment Trap Type C	⊠	1635.01	Rock Pipe Inlet Sediment Trap Type-B	⊠
	Skimmer Basin	▩			

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MATCHLINE STA 21+00 (EC-14)

CLEAN WATER DIVERSION

→ CWD → CWD → CWD → CWD →
(Not to Scale)



20

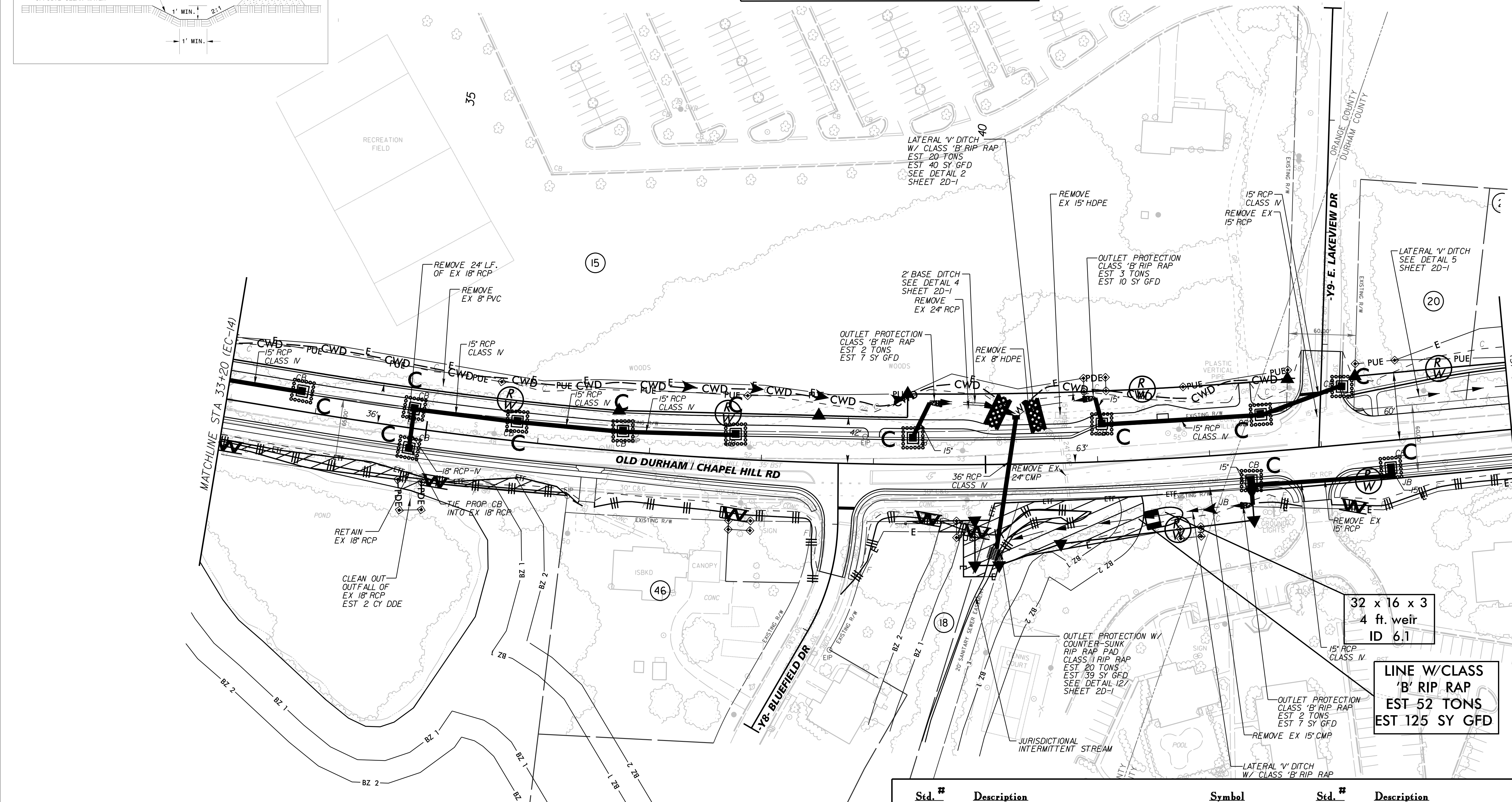
FINAL CONSTRUCTION PHASE
SEE SHEET EC-3 FOR THE CLEARING AND GRUBBING PHASE.

Kimley»Horn

P.O. BOX 33068
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RIGHT-OF-WAY REV.
CONST. REV.

PROJECT REFERENCE NO.	SHEET NO.
EB-4707A	EC-15
R/W SHEET NO.	6

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

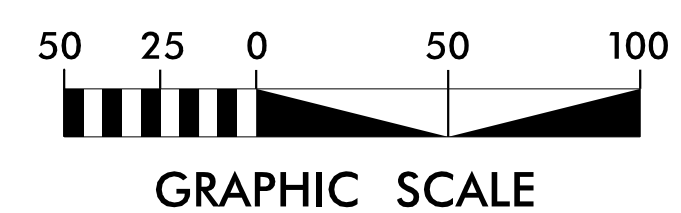


NAD 83/2007

NOTES: IN LOCATIONS WHERE DRAINAGE STRUCTURES REQUIRE PROTECTION BUT ASPHALT AND CURB PROHIBIT TRADITIONAL BMP OF ROCK INLET SEDIMENT TRAP TYPE C, INSTALL INLET PROTECTION IN ACCORDANCE WITH FIELD ENGINEER'S RECOMMENDATIONS.

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.



Std. #	Description	Symbol	Std. #	Description	Symbol
1605.01	Temporary Silt Fence		1633.01	Temporary Rock Silt Check Type-A	⊗
1606.01	Special Sediment Control Fence	⚡		Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	⊗
1630.02	Silt Basin Type B	▨	1633.02	Temporary Rock Silt Check Type-B	➔
1630.03	Temporary Silt Ditch	— TSD —		Wattle	⌒
1630.05	Temporary Diversion	— TD —		Wattle with Polyacrylamide (PAM)	⌒
1630.06	Special Stilling Basin		1634.02	Temporary Rock Sediment Dam Type-B	⊓
1632.03	Rock Inlet Sediment Trap Type C	⊠	1635.01	Rock Pipe Inlet Sediment Trap Type-B	⊓
	Skimmer Basin	⊠			

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

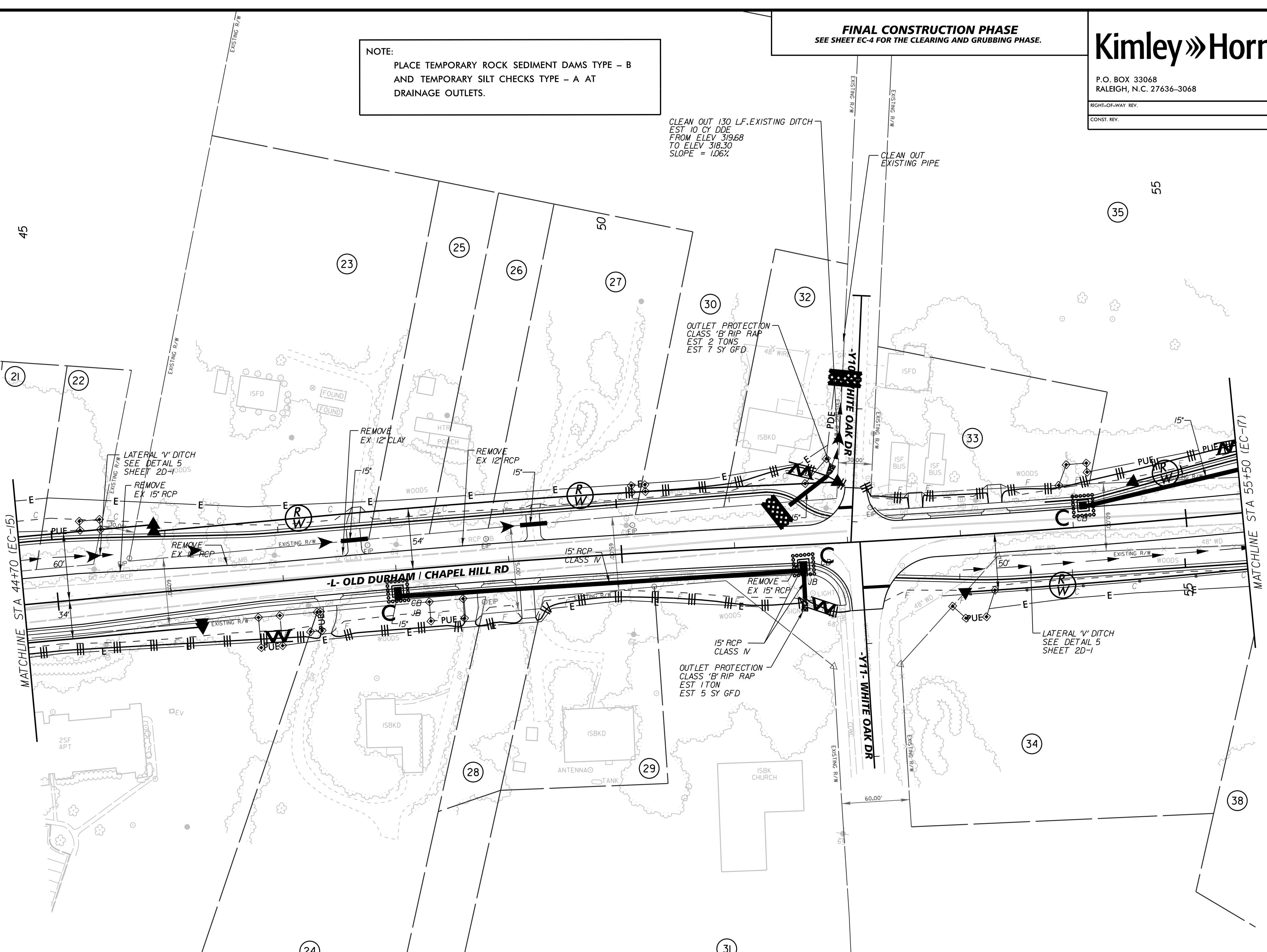
FINAL CONSTRUCTION PHASE
SEE SHEET EC-4 FOR THE CLEARING AND GRUBBING PHASE.

CLEAN OUT 130 LF. EXISTING DITCH
EST 10 CY DDE
FROM ELEV 319.68
TO ELEV 318.30
SLOPE = 1.06%

CLEAN OUT
EXISTING PIPE

OUTLET PROTECTION
CLASS 'B' RIP RAP
EST 2 TONS
EST 7 SY GFD

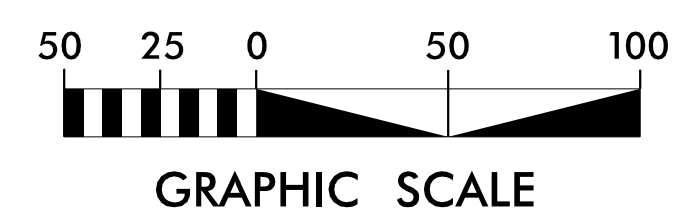
OUTLET PROTECTION
CLASS 'B' RIP RAP
EST 1 TON
EST 5 SY GFD



NOTES: IN LOCATIONS WHERE DRAINAGE STRUCTURES
REQUIRE PROTECTION BUT ASPHALT AND CURB
PROHIBIT TRADITIONAL BMP OF ROCK INLET
SEDIMENT TRAP TYPE C, INSTALL INLET
PROTECTION IN ACCORDANCE WITH FIELD
ENGINEER'S RECOMMENDATIONS.

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



Std. #	Description	Symbol	Std. #	Description	Symbol
1605.01	Temporary Silt Fence		1633.01	Temporary Rock Silt Check Type-A	⊗
1606.01	Special Sediment Control Fence	⚡		Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	⊗
1630.02	Silt Basin Type B	▨	1633.02	Temporary Rock Silt Check Type-B	⊗
1630.03	Temporary Silt Ditch	— TSD —		Wattle	⌒
1630.05	Temporary Diversion	— TD —		Wattle with Polyacrylamide (PAM)	⌒
1630.06	Special Stilling Basin		1634.02	Temporary Rock Sediment Dam Type-B	▣
1632.03	Rock Inlet Sediment Trap Type C	▣	1635.01	Rock Pipe Inlet Sediment Trap Type-B	⌒
	Skimmer Basin	▭			

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

38 x 19 x 3
4 ft. weir
ID 8.1

35 OUTLET PROTECTION
CLASS B RIP RAP
EST 2 TONS
EST 7 SY GFD

REMOVE SEDIMENT
TRAP AND REGRADE
EXISTING DITCH
APPROX 45' L
FROM ELEV 316.55
TO ELEV 315.30
SLOPE = 0.50%

37

15'

GRADE
TO
DRAIN

15'RCP

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

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15'

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15'

15'

15'

15'

15'

15'

15'

15'

15'

15'

39

41

60

42

40

38

LATERAL 'V' DITCH
SEE DETAIL 5
SHEET 2D-1

REMOVE
EX 15' RCP

TIE TO
EXISTING DITCH

15'RCP

15'

15'

15'

15'

15'

15'

15'

15'

15'

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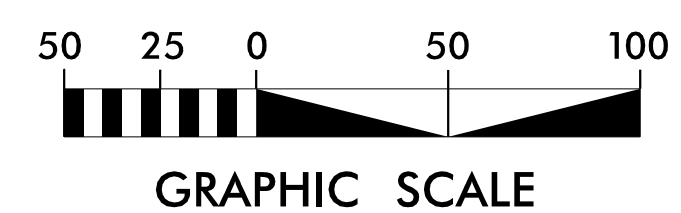
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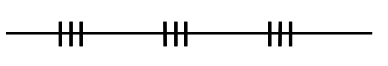
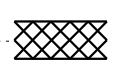
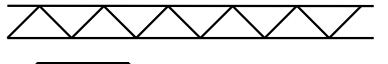
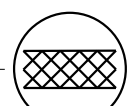


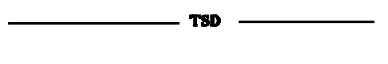

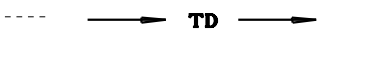






NOTES: IN LOCATIONS WHERE DRAINAGE STRUCTURES
REQUIRE PROTECTION BUT ASPHALT AND CURB
PROHIBIT TRADITIONAL BMP OF ROCK INLET
SEDIMENT TRAP TYPE C, INSTALL INLET
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ENGINEER.

 ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS



Std. #	Description	Symbol	Std. #	Description	Symbol
1605.01	Temporary Silt Fence		1633.01	Temporary Rock Silt Check Type-A	
1606.01	Special Sediment Control Fence			Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	
1630.02	Silt Basin Type B		1633.02	Temporary Rock Silt Check Type-B	
1630.03	Temporary Silt Ditch			Wattle	
1630.05	Temporary Diversion			Wattle with Polyacrylamide (PAM)	
1630.06	Special Stilling Basin		1634.02	Temporary Rock Sediment Dam Type-B	
1632.03	Rock Inlet Sediment Trap Type C		1635.01	Rock Pipe Inlet Sediment Trap Type-B	
	Skimmer Basin				

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

Kimley»Horn

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RIGHT-OF-WAY REV.

CONST. REV.

PROJECT REFERENCE NO. SHEET NO.

EB-4707A EC-19

SOIL STABILIZATION TIMEFRAMES

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
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.

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2/1/2019