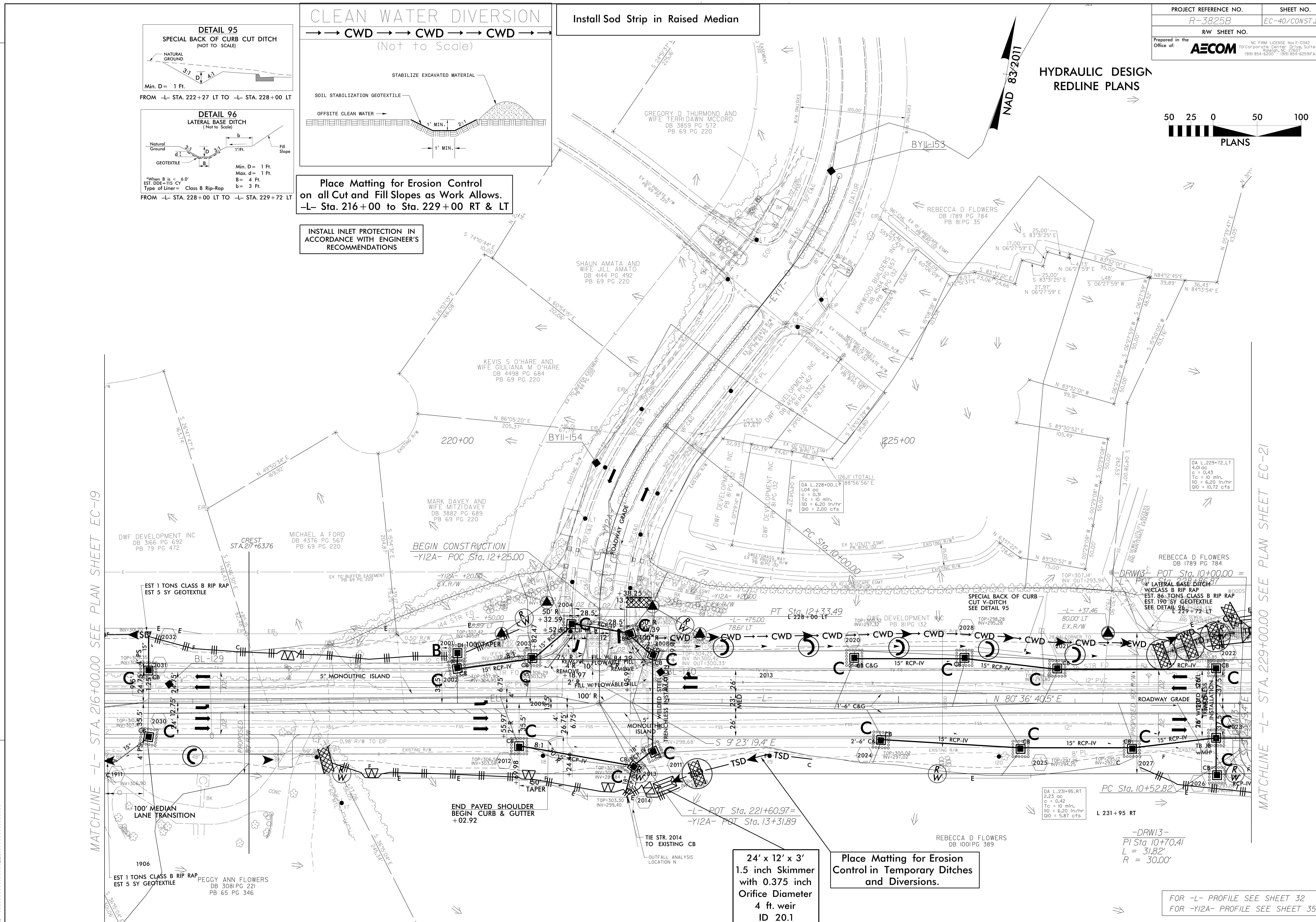
PROJECT REFERENCE NO. R-3825B
SHEET NO. EC-40/CONST.20
R/W SHEET NO.
Prepared in the Office of: AECOM
NC FIRM LICENSE No: F-0342
701 Corporate Center Drive, Suite 475
Raleigh, NC 27607
(919) 854-6200 - (919) 854-6259(FAX)
HYDRAULIC DESIGN
REDLINE PLANS
NAD 83/2011
50 25 0 50 100
PLANS
REVISIONS
DETAIL 95
SPECIAL BACK OF CURB CUT DITCH
(NOT TO SCALE)
NATURAL GROUND
3:1
D
4:1
Min. D = 1 Ft.
FROM -L- STA. 222+27 LT TO -L- STA. 228+00 LT
DETAIL 96
LATERAL BASE DITCH
(Not to Scale)
Natural Ground
GEOTEXTILE
1"/Ft.
Fill Slope
Min. D = 1 Ft.
Max. d = 1 Ft.
B = 4 Ft.
b = 3 Ft.
*When B is < 6.0'
EST. DDE=115 CY
Type of Liner = Class B Rip-Rap
FROM -L- STA. 228+00 LT TO -L- STA. 229+72 LT
CLEAN WATER DIVERSION
CWD CWD CWD
(Not to Scale)
STABILIZE EXCAVATED MATERIAL
SOIL STABILIZATION GEOTEXTILE
OFFSITE CLEAN WATER
1' MIN.
2:1
1' MIN.
Install Sod Strip in Raised Median
Place Matting for Erosion Control on all Cut and Fill Slopes as Work Allows. -L- Sta. 216+00 to Sta. 229+00 RT & LT
INSTALL INLET PROTECTION IN ACCORDANCE WITH ENGINEER'S RECOMMENDATIONS
GREGORY D THURMOND AND WIFE TERRIDAWN MCCORD
DB 3859 PG 572
PB 69 PG 220
SHAUN AMATA AND WIFE JILL AMATO
DB 4144 PG 492
PB 69 PG 220
KEVIS S O'HARE AND WIFE GIULIANA M O'HARE
DB 4498 PG 684
PB 69 PG 220
MARK DAVEY AND WIFE MITZI DAVEY
DB 3882 PG 689
PB 69 PG 220
MICHAEL A FORD
DB 4376 PG 567
PB 69 PG 220
DWF DEVELOPMENT INC
DB 3166 PG 692
PB 79 PG 472
REBECCA D FLOWERS
DB 1789 PG 784
PB 81 PG 35
KIRKWOOD BUILDERS INC
DB 4584 PG 657
PB 81 PG 132
DWF DEVELOPMENT INC
DB 4567 PG 162
PB 81 PG 132
PEGGY ANN FLOWERS
DB 3081 PG 221
PB 65 PG 346
REBECCA D FLOWERS
DB 1001 PG 389
BYII-153
BYII-154
220+00
225+00
CREST STA. 217+63.76
BEGIN CONSTRUCTION
-Y12A- POC Sta. 12+25.00
PT Sta. 12+33.49
PC Sta. 10+00.00
BL-129
BL-130
5" MONOLITHIC ISLAND
100' MEDIAN LANE TRANSITION
EST 1 TONS CLASS B RIP RAP
EST 5 SY GEOTEXTILE
END PAVED SHOULDER
BEGIN CURB & GUTTER
+02.92
TIE STR. 2014 TO EXISTING CB
OUTFALL ANALYSIS LOCATION N
-L- POT Sta. 221+60.97 =
-Y12A- POT Sta. 13+31.89
N 80° 36' 40.5" E
S 9° 23' 19.4" E
ROADWAY GRADE
DA L_228+00_LT
1.04 ac
c = 0.31
Tc = 10 min.
i10 = 6.20 in/hr
Q10 = 2.00 cfs
DA L_229+72_LT
4.01 ac
c = 0.43
Tc = 10 min.
i10 = 6.20 in/hr
Q10 = 10.72 cfs
DA L_231+95_RT
2.23 ac
c = 0.42
Tc = 10 min.
i10 = 6.20 in/hr
Q10 = 5.87 cfs
L 231+95 RT
SPECIAL BACK OF CURB CUT V-DITCH SEE DETAIL 95
4' LATERAL BASE DITCH W/CLASS B RIP RAP
EST. 86 TONS CLASS B RIP RAP
EST. 190 SY GEOTEXTILE
SEE DETAIL 96
L 229+72 LT
-DRW13- POT Sta. 10+00.00 =
-L- POT Sta. 228+86.87
PC Sta. 10+52.82
-DRW13-
PI Sta 10+70.41
L = 31.82'
R = 30.00'
24' x 12' x 3'
1.5 inch Skimmer
with 0.375 inch
Orifice Diameter
4 ft. weir
ID 20.1
Place Matting for Erosion Control in Temporary Ditches and Diversions.
MATCHLINE -L- STA. 216+00.00 SEE PLAN SHEET EC-19
MATCHLINE -L- STA. 229+00.00 SEE PLAN SHEET EC-21
FOR -L- PROFILE SEE SHEET 32
FOR -Y12A- PROFILE SEE SHEET 35