PROJECT REFERENCE NO.	SHEET NO.
B-5301	EC-06/CONST.06
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DETAIL 3
SPECIAL CUT DITCH
(Not to Scale)

Natural Ground, 3:1, D, 3:1 or Flatter, Front Ditch Slope
Min. D=1.0 Ft.

FROM STA. 10+50 -Y1- LT TO STA. 38+00 -L- RT
FROM STA. 10+75 TO STA. 11+47 -Y1- RT

DETAIL 6
RIP RAP AT EMBANKMENT
(Not to Scale)

10' min., 1.0' min., Ditch Grade, 1.0' min
GEOTEXTILE
Type of Liner= CL 'I' Rip-Rap

FROM STA. 39+79 TO STA. 39+97 -L- LT
FROM STA. 39+96 TO STA. 40+17 -L- LT
FROM STA. 40+03 TO STA. 40+17 -L- RT
FROM STA 40+18 TO STA. 40+31 -L- RT

DETAIL 8
LATERAL BASE DITCH
(Not to Scale)

Natural Ground, 3:1, D, 3:1, B, b, 2%, Fill Slope
Min. D=1.5 Ft.
B=5.0 Ft.
Min. b=5.0 Ft.

FROM STA. 25+17 TO STA. 35+00 -L- RT

DETAIL 10
SPECIAL CUT GRASSED SWALE
(Not to Scale)

Natural Ground, 3:1, D, 3:1 or Flatter, B, Front Ditch Slope
Min. D=1.0 Ft.
B=2.0 Ft.

FROM STA. 39+06 TO STA. 39+90 -L- LT

DETAIL 14
TOE PROTECTION
(Not to Scale)

Natural Ground, b, 3:1 or Flatter, Fill Slope, d, Geotextile
d=2.0 Ft.
b=2.0 Ft.
Type of Liner= CL 'I' Rip-Rap; Est. 600 TONS
EST. 555 SY GF

FROM STA. 29+00 TO STA. 35+00 -L- LT

DETAIL 12
SPECIAL CUT GRASSED SWALE
(Not to Scale)

Natural Ground, 3:1, D, 3:1 or Flatter, Front Ditch Slope
Min. D=1.0 Ft.

FROM STA. 36+00 TO STA. 37+25 -L- LT
FROM STA. 40+10 TO STA. 42+00 -L- LT
FROM STA. 40+25 TO STA. 42+00 -L- RT

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 6

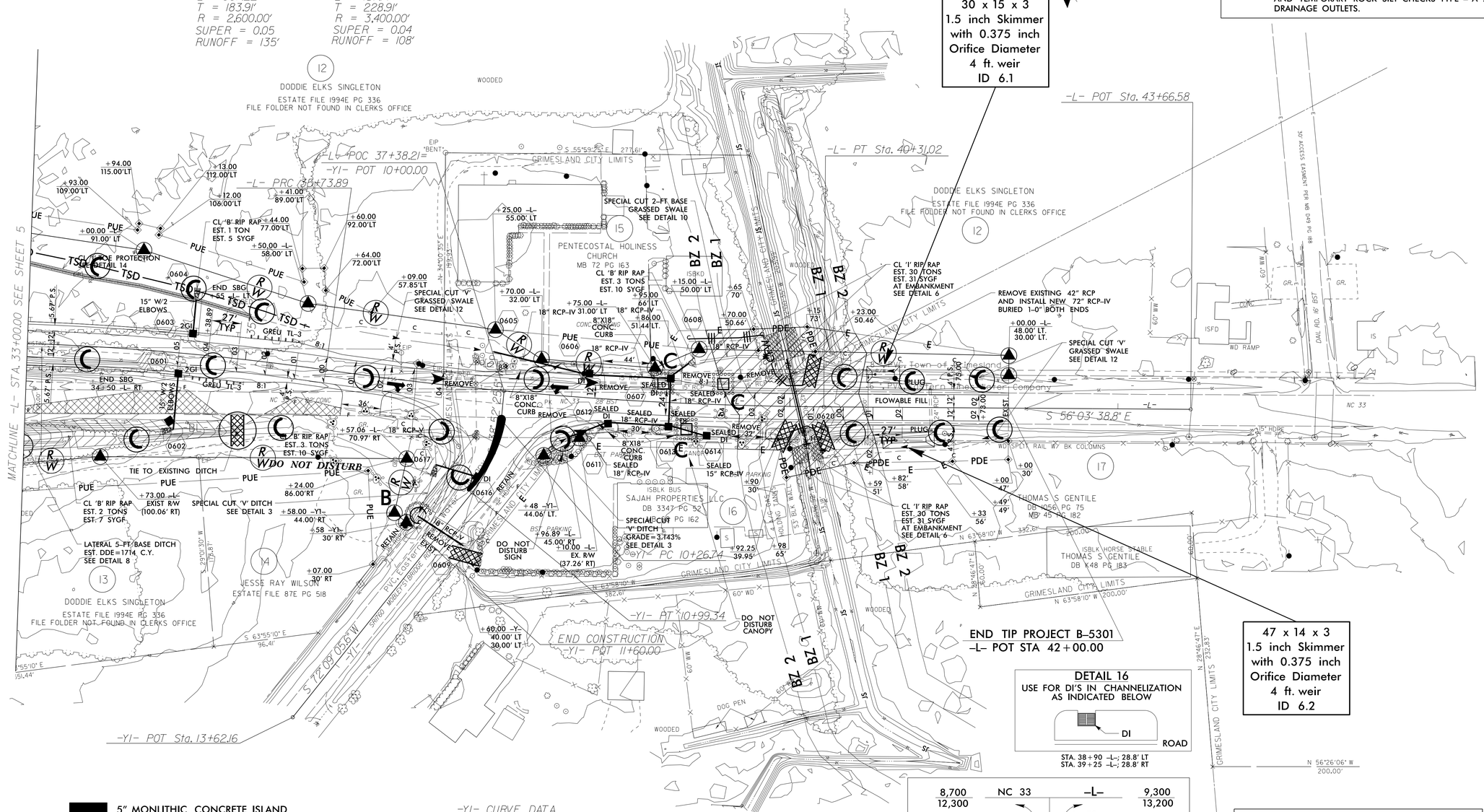
NOTE: UTILIZE PUMP AROUND OPERATION FOR REMOVAL OF EXISTING 42" RCP AND INSTALLATION OF PROPOSED 72" RCP-IV STA. 40+00. SEE EC-2F SEE TRAFFIC MANAGEMENT PLAN (TMP-3) FOR ROAD CLOSURE DETAILS

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

NAD 83/2011

-L- CURVE DATA

PI Sta 33+90.59	PI Sta 38+02.80
Δ = 8° 05' 32.4" (RT)	Δ = 7° 42' 12.7" (LT)
D = 2° 12' 13.3"	D = 1° 41' 06.6"
L = 367.22'	L = 457.14'
T = 183.91'	T = 228.91'
R = 2,600.00'	R = 3,400.00'
SUPER = 0.05	SUPER = 0.04
RUNOFF = 135'	RUNOFF = 108'



DETAIL 16
USE FOR DI'S IN CHANNELIZATION AS INDICATED BELOW

STA. 38+90 -L-; 28.8' LT
STA. 39+25 -L-; 28.8' RT

	NC 33	-L-	
8,700 / 12,300	1050 / 1400	1,650 / 2300	9,300 / 13,200
	-Y1- SR 1760		
ADT 2020	2,700		
ADT 2040	3,700		

5" MONLITHIC CONCRETE ISLAND

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

-Y1- CURVE DATA

PI Sta 10+64.10
Δ = 33° 16' 40.2" (RT)
D = 45° 50' 11.8"
L = 72.60'
T = 37.36'
R = 125.00'

NOTE:
UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION DEVICE AS DIRECTED IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C TO AVOID IMPOUNDING RUNOFF ON ROADWAYS OPEN TO THE PUBLIC

8/17/99