CHLSBAS2.DWG

S/L 33
1053.7

S/L 32
1057.5

S/L 23

S/L 24

9403

9397

INLET MH #3

10' WIDE ACCESS DRIVE SEE DETAIL THIS SHEET

196 L.F. 24" STM

144 L.F. 18" STM SEE PROFILE "D", SHEET NO. 6

20' STORM & ACCESS EASEMENT

DETENTION BASIN EASEMENT

HDW #4

RIPRAP

1.00% MIN.

HDW #5

TEMPORARY 12" Dia. RISER PIPE

7 L.F. 12" STM @ 0.50%

11 L.F. 12" STM. 1.00%

5 YEAR STORM ELEV. = 1039.61

SPECIAL INLET MH #2

100 YEAR STORM ELEV. = 1040.99

1.00% MIN.

3:1 SLOPE

53 L.F. 18" STM @ 1.00%

HDW #6

RIPRAP

Actual Retention Basin (Dry) Proposed 7/96

Thu Sep 09 14:27:56 1999 Jan

12" RCP PIPE

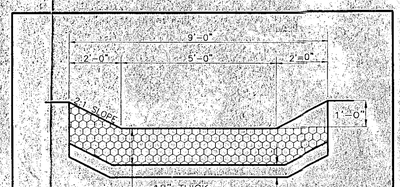
12" RCP PLUG WITH 5" DIAMETER OPENING

5"

ELEV. 1038.00

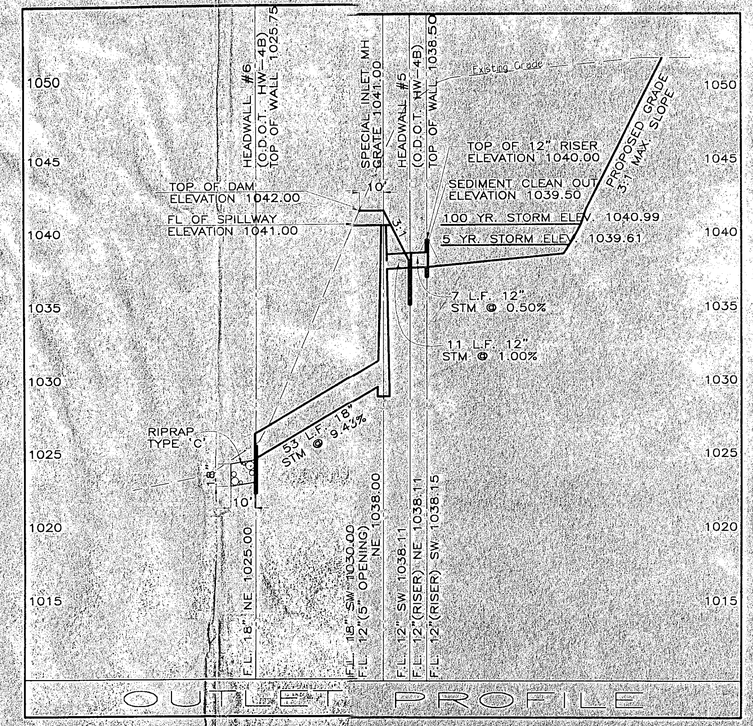
RCP PLUG CROSS SECTION DETAIL

NOT TO SCALE



ROCK LINED SPILLWAY

NOT TO SCALE



SEEDING AND MULCHING

2" TOPSOIL

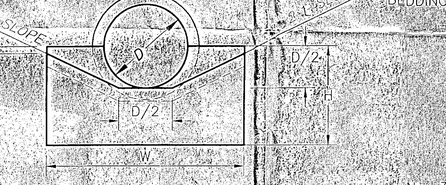
10" STABILIZED CRUSHED AGGREGATE (ODOT ITEM 411)

EX. SUBBASE

"GEOGRID" FABRIC

ACCESS DRIVE DETAIL

NOT TO SCALE



ELEVATION

DIMENSIONS			
DIA.	W	H	T
12"	2'-0"	3'-0"	12"
15"	2'-6"	3'-2"	12"
18"	3'-0"	3'-3"	12"
21"	3'-6"	3'-4"	12"
24"	4'-0"	3'-6"	12"
30"	5'-0"	3'-9"	12"
36"	6'-0"	4'-0"	12"

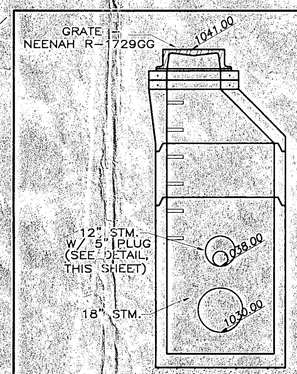
No. 3 or No. 4 GRANULAR BED 6" THICK

WIDTH OF RIPRAP SHALL BE EQUAL TO WIDTH OF HEADWALL UNLESS OTHERWISE SHOWN ON PLAN

PROFILE

STANDARD O.D.O.T. HW-4B HEADWALL FOR CIRCULAR CONCRETE PIPES

NOT TO SCALE



NOTE:
SPECIAL INLET MANHOLE TO CONFORM TO "PRECAST CONCRETE MANHOLE, 48" PRECAST BASE FOR 30" AND SMALLER PIPES" DETAIL ON SHEET No. 9.

SPECIAL INLET MANHOLE

NORTH

0' 30' 60' 90'

SCALE 1" = 30'

NOTES:

1. FOR TEMPORARY RISER PIPE DETAIL AND TEMPORARY SEDIMENT BASIN NOTES, SEE SHEET No. 6

REVISED 06/30/99
REVISED PER CITY ENGINEER 10/22/97

SOUTH DETENTION BASIN
for
CHESAPEAKE DRIVE EXTENSION
in the city of
NORTH ROYALTON, OHIO

MACKAY
Engineering & Surveying Company
7017 Pearl Road, Cleveland, Ohio 44130
(440) 886-4500 (440) 886-4590 Fax

DATE	JUNE 16, 1997
SCALE HOR.	1" = 30'
SCALE VER.	1" = 5'
JOB NO.	195E10
SHEET	7 OF 14