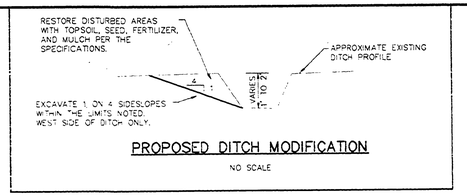
CAMPGROUND PAD LAYOUT

SITE NO.	STATION	ELEVATIONS @ DRIVE ℄	ELEVATIONS @ PAD END	PAD SLOPE %	END POINT COORDINATES NORTH	END POINT COORDINATES EAST
2	2+04	599.43	600.00	+1.00%	5043.9	4913.2
4	2+62	599.37	600.11	+1.50%	4992.4	4924.1
50	10+65	602.14	601.26	−1.50%	5037.2	4950.1



PROPOSED DITCH MODIFICATION

NO SCALE

TREE LEGEND

M = MAPLE
AS = ASPEN
A = ASH
O = OAK
C = CEDAR
B = BASSWOOD
MA = MOUNTAIN ASH

LEGEND

• = CAMPSITE POST
⊕ = LIGHT POLE
▲ = EXISTING ELEVATION
△ = REFERENCE POINT
⋈ = WATER VALVE

WITNESSES TO R.P.

R.P. #1 (1\2" BAR)
SET NAIL AND TAG NORTH SIDE 8" ASPEN S80°E, 40.57'
BENCH MARK NORTHEAST SIDE 10" CEDAR S70°E, 13.74'
SET NAIL AND TAG SOUTHWEST SIDE 10" ASH N45°W, 39.78'

R.P. #2 (1\2" BAR)
SET NAIL AND TAG SOUTHWEST SIDE 10" ASH N10°W, 42.51'
SET NAIL AND TAG NORTH SIDE 10" MAPLE N80°E, 68.28'
SET NAIL AND TAG EAST SIDE 10" ASH S25°W, 61.26'

BENCH MARK NO. 2
P.K. NAIL EAST SIDE OF 34" MAPLE, ELEVATION 605.46

BENCH MARK NO. 3
NAIL AND TAG NORTHEAST SIDE 10" ASH, ELEVATION 601.76

R.P. #	COORD'S
1	N 5000.00 E 5000.00
2	N 4320.55 E 4954.59

SEE PROFILE SHEET AND CROSS SECTION SHEETS FOR APPROXIMATE LIMITS OF PEAT EXCAVATION.

PEAT EXCAVATION IS REQUIRED UNDER CAMPGROUND PAD SITE 2, 4, AND 50.

EXPOSE EXISTING SANITATION STATION SANITARY AND WATER LINE AT PDS CROSSING TO DETERMINE EXISTING UTILITY ELEVATIONS.

REMOVE EXISTING CONCRETE PADS AT SANITATION STATION. CONSTRUCT 12' WIDE X 10' LONG 8" THICK CONCRETE PADS EACH SIDE OF ISLAND WITH 6X6 W1.4XW1.4 W.W.F. PERIMETER ELEVATION OF PAD SHALL BE 602.70. SLOPE CENTER OF PAD TO SANITARY DUMP DRAIN.

FILL THE EXISTING DITCH FROM STATION 11+50 TO 13+50. REGRADE THE EXISTING DITCH FROM STATION 9+00 TO 11+50 AND 13+50 TO 18+50 PER THE DETAIL THIS SHEET.

CONSTRUCT 4"ø PVC ELECTRICAL CONDUIT. TYPICAL OF 3 EACH.

ENTRANCE DRIVE

CONSTRUCT 30' X 24' CONCRETE PAD 8" THICK WITH 6X6 W1.4XW1.4 W.W.F. PAD ELEVATION SHALL BE 602.50

PROTECT EXISTING CONCRETE ISLAND

CONSTRUCTED NEW CONCRETE ISLAND DUE TO PEAT EXCAVATION

TOP OF CONCRETE ISLAND 603.20.

CONSTRUCT 4"ø PVC ELECTRICAL CONDUIT. TYPICAL OF 1 EACH.

CURVE NO. 4
PI = 14+46.25

CURVE NO. 5
PI = 16+14.39

REMOVE EXISTING GRAVEL SURFACE. AREA TO BE TOPSOILED, SEEDED, FERTILIZED, AND MULCHED.

REMOVE EXISTING BITUMINOUS SURFACE. AREA TO BE TOPSOILED, SEEDED, FERTILIZED, AND MULCHED.

CONSTRUCT 20 LF OF 5' WIDE THICKENED EDGE SIDEWALK AT BARRIER FREE PARKING SPACE.

CURVE NO. 3
PI = 12+91.53

Installed New Sanitary Line from Pump Station to Manhole at Sta. 3+30

NORTH CAMPGROUND DRIVE

CURVE NO. 24
PI = 8+12.11

ADJUST DRAINAGE STRUCTURE COVER

From Sta. 6+75 to Sta. 9+50, 1' of fill was placed entire width of road to help stabilize it, 16 cycles of fill

CURVE NO. 22
PI = 5+77.99

CURVE NO. 23
PI = 7+31.69

CURVE NO. 21
PI = 4+57.66

CURVE NO. 20
PI = 3+49.78

ADDITIONAL 6" PDS OUTLET

70 LF. OF 6" PDS OUTLET AND 1-EA. OUTLET ENDING

65 LF. OF 6" PDS OUTLET AND 1-EA. OUTLET ENDING

CURVE NO. 19
PI = 1+42.09

REMOVE EXISTING CONCRETE SIDEWALK IN AREA NOTED. CONSTRUCT 5' WIDE THICKENED EDGE SIDEWALK ALONG PARKING AREA. CONSTRUCT 5' WIDE SIDEWALK TO EXISTING SIDEWALK. MATCH EXISTING SIDEWALK ELEVATION. CONSTRUCT CONTINUOUS SLOPE FROM PARKING AREA TO EXISTING SIDEWALK.

CONSTRUCT 20' X 37' BITUMINOUS PARKING AREA. INSTALL ONE EACH 10' LONG 4" WIDE YELLOW FAST DRY PAVEMENT MARKING. AT BARRIER FREE PARKING SPACE INSTALL TWO EACH 20' LONG, 4" WIDE YELLOW WITH DIAGONAL 8" WIDE YELLOW AT 3' SPACING FAST DRY PAVEMENT MARKING. AT BARRIER FREE PARKING SPACE INSTALL ONE EACH R7-8 SIGN, 12" X 18", WITH 13' LONG 3# STEEL POST. INSTALL 1-EACH "VAN ACCESSIBLE" SIGN AT BARRIER FREE PARKING SPACE. SEE DETAIL, SHEET 5.

REMOVE EXISTING DRINKING FOUNTAIN. CONSRUCT NEW DRINKING FOUNTAIN. SEE SHEET 5 FOR DETAIL.

CONSTRUCT 24" PDS AT BACK OF CAMPGROUND PADS AS NOTED. MINIMUM DEPTH OF COVER ON THE PDS AT THE NORTH AND SOUTH ENDS SHALL BE 6" BELOW EXISTING GRADE. SLOPE THE PDS AT MINIMUM GRADE OF 0.30%. EXISTING TREES ALONG THE ROUTE OF THE PDS SHALL BE PROTECTED.

SEE SHEET 3 FOR TYPICAL CROSS SECTIONS FOR ENTRANCE AND CAMPGROUND DRIVES.

SEE SHEET 8 FOR ENTRANCE AND CAMPGROUND DRIVE PROFILES.

SEE SHEET 5 FOR CAMPGROUND PAD TYPICAL CROSS SECTION AND DETAILS.

MULLETT LAKE
WATER LEVEL-ELEV. 593.85 ('12-9')

TREES TO BE REMOVED ARE DESIGNATED AS

TREES TO BE RELOCATED ARE DESIGNATED AS TREES SHOWN WITHIN THE CAMPGROUND AREA WHICH ARE NOT DESIGNATED FOR REMOVAL OR RELOCATION SHALL BE PROTECTED. PLACEMENT OF RELOCATED TREES SHALL BE APPROVED BY THE PROJECT MANAGER, IN WRITING, PRIOR TO RELOCATION.

CONSTRUCT 20' X 47' BITUMINOUS PARKING AREA. INSTALL TWO EACH 10' LONG 4" WIDE YELLOW FAST DRY PAVEMENT MARKING. AT BARRIER FREE PARKING SPACE INSTALL TWO EACH 20' LONG, 4" WIDE YELLOW WITH DIAGONAL 8" WIDE YELLOW AT 3' SPACING FAST DRY PAVEMENT MARKING. AT BARRIER FREE PARKING SPACE INSTALL ONE EACH R7-8 SIGN, 12" X 18", WITH 13' LONG 3# STEEL POST. INSTALL 1-EACH "VAN ACCESSIBLE" SIGN AT BARRIER FREE PARKING SPACE. SEE DETAIL, SHEET 5.

FURNISH AND INSTALL ONE EACH CONCRETE PARKING RAIL PER PARKING SPACE. RAILS SHALL CONFORM TO MDOT DETAIL III-740. EACH PARKING RAIL SHALL BE ANCHORED USING 5/8"ø X 1'-4" LONG STEEL ANCHOR PINS DRIVEN FLUSH WITH THE TOP OF THE RAIL.

CONSTRUCT 4"ø PVC ELECTRICAL CONDUIT. TYPICAL OF 2 EACH.

REMOVE EXISTING BITUMINOUS SURFACE. AREA TO BE TOPSOILED, SEEDED, FERTILIZED, AND MULCHED.

NORTH CAMPGROUND CENTER DRIVE

STATION 0+00 = STATION 14+15.61 ENTRANCE DRIVE
COORDINATES
N 4730.30
E 5059.64
END POINT STATION 1+07.90 = STATION 5+74.84
NORTH CAMPGROUND DRIVE
COORDINATES
N 4710.04
E 4953.66

CURVE NO. 3
Δ = 1°47'32"
R = 2000.00'
T = 31.28'
D = 2.864789°
L = 62.56'
PC = 12+60.25 { N 4853.29
PI = 12+91.53 { E 5043.10
PT = 13+22.81

CURVE NO. 4
Δ = 7°39'44"
R = 710.00'
T = 47.55'
D = 8.069828°
L = 94.95'
PC = 13+98.70 { N 4699.91
PI = 14+46.25 { E 5063.48
PT = 14+93.65

CURVE NO. 5
Δ = 26°20'27"
R = 500.00'
T = 117.04'
D = 11.459156°
L = 229.94'
PC = 14+97.35 { N 4537.53
PI = 16+14.39 { E 5107.69
PT = 17+27.29

NORTH CAMPGROUND DRIVE
STATION 0+00 = STATION 9+56.02 ENTRANCE DRIVE
COORDINATES
N 5184.32
E 4988.53

CURVE NO. 19
Δ = 94°19'28"
R = 60.00'
T = 64.71'
D = 95.492966°
L = 98.78'
PC = 0+77.38 { N 5161.21
PI = 1+42.09 { E 4848.34
PT = 1+76.16

CURVE NO. 20
Δ = 1°02'30"
R = 3000.00'
T = 27.27'
D = 1.909859°
L = 54.54'
PC = 3+22.51 { N 4929.65
PI = 3+49.78 { E 4904.72
PT = 3+77.05

CURVE NO. 21
Δ = 0°41'23"
R = 3000.00'
T = 18.08'
D = 1.909859°
L = 36.11'
PC = 4+39.60 { N 4824.39
PI = 4+57.66 { E 4928.33
PT = 4+75.71

CURVE NO. 22
Δ = 19°35'45"
R = 150.00'
T = 25.90'
D = 38.197186°
L = 51.30'
PC = 5+52.09 { N 4707.29
PI = 5+77.99 { E 4956.09
PT = 6+03.39

CURVE NO. 23
Δ = 6°15'47"
R = 300.00'
T = 16.41'
D = 19.098593°
L = 32.79'
PC = 7+15.28 { N 4554.01
PI = 7+31.69 { E 4939.26
PT = 7+48.07

CURVE NO. 24
Δ = 9°17'51"
R = 400.00'
T = 32.53'
D = 14.323945°
L = 64.91'
PC = 7+79.58 { N 4473.56
PI = 8+12.11 { E 4939.26
PT = 8+44.49

DRN BY:		IDENTIFICATION NO.	ISSUED FOR		DATE	BULLETIN NO. 101
DESD. BY:	DAF	PROJECT – ALOHA	PRELIMINARY	☒	7-06-92	
CK'D BY:	GJF	STATE ACCOUNT	CONSTRUCTION	☒	7-14-93	
APP'D BY:	GDA	607-75-2450-400	FINAL RECORD	☐		

CAPITAL CONSULTANTS ENGINEERS
400 N. WASHINGTON AVE., LANSING, MICHIGAN 48906 TELEPHONE 517-371-1200

STATE OF MICHIGAN
DEPARTMENT OF MANAGEMENT AND BUDGET
Office of Facilities

QUALITY OF LIFE RECREATION BOND
MICHIGAN DEPARTMENT OF NATURAL RESOURCES
PARKS DIVISION – STATE ACCT. NO. 607-75-2450-400

ALOHA STATE PARK
ENTRANCE DRIVE STATION 9+00 TO 18+00
NORTH CAMPGROUND DRIVE STATION 0+00 TO 9+00

SCALE: 1" = 30'
PROJ. NO.: 91165
SHEET 2 OF 10

FILE NO.: 1165\D28
PLOT DATE: 10-28-93
UPDATED BY: LJS

Replaces sheet 7 of 17 - Bulletin No. 1

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