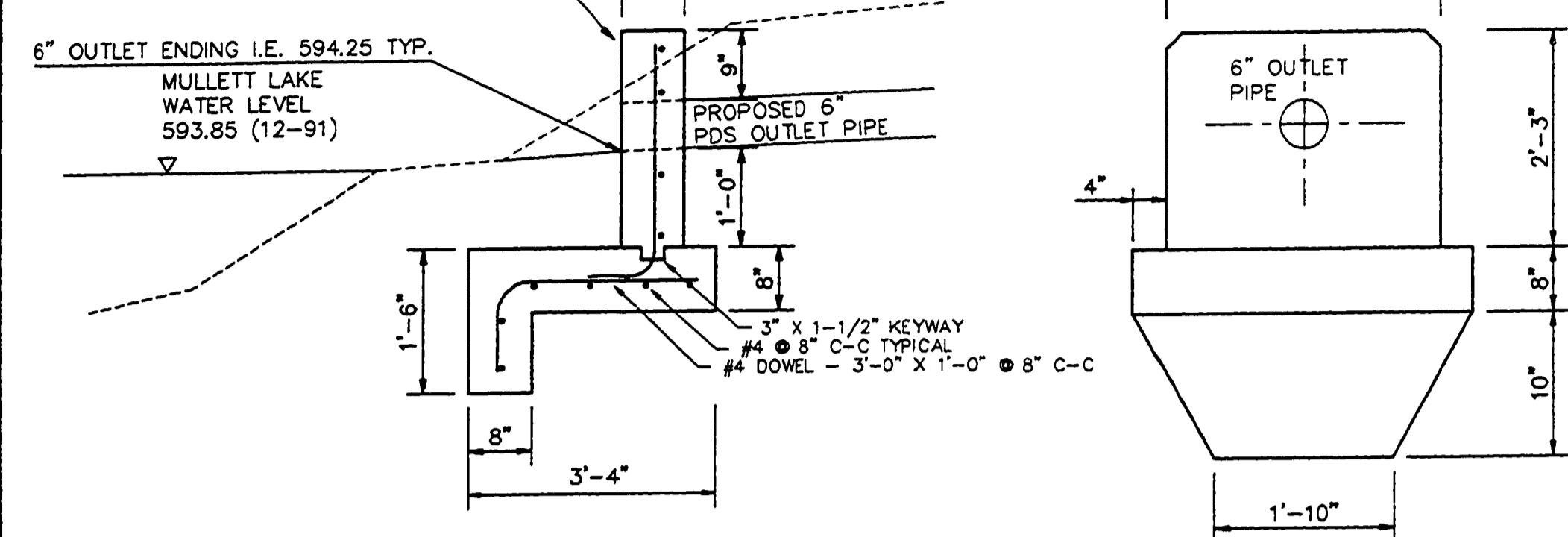
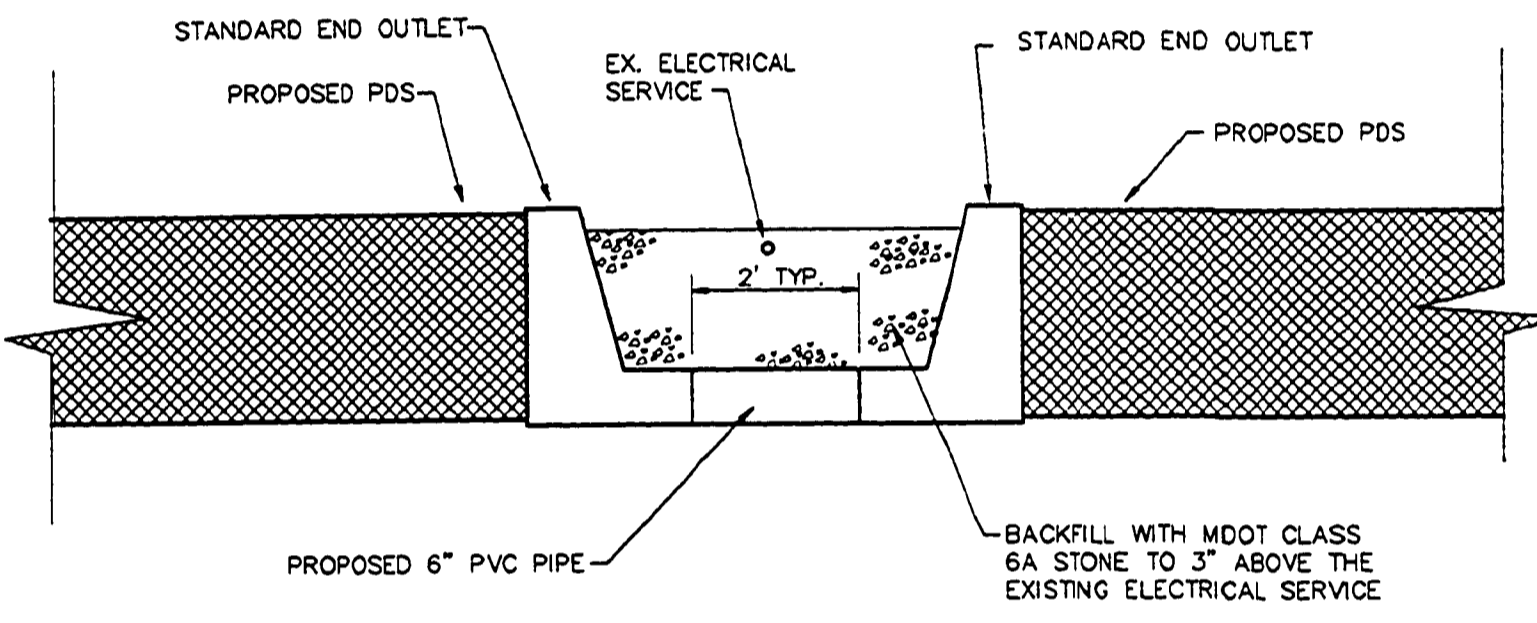


HEADWALL SHALL BE LOCATED AT THE APPROXIMATE TOP OF THE EXISTING BANK OR AS DIRECTED BY THE PROJECT MANAGER



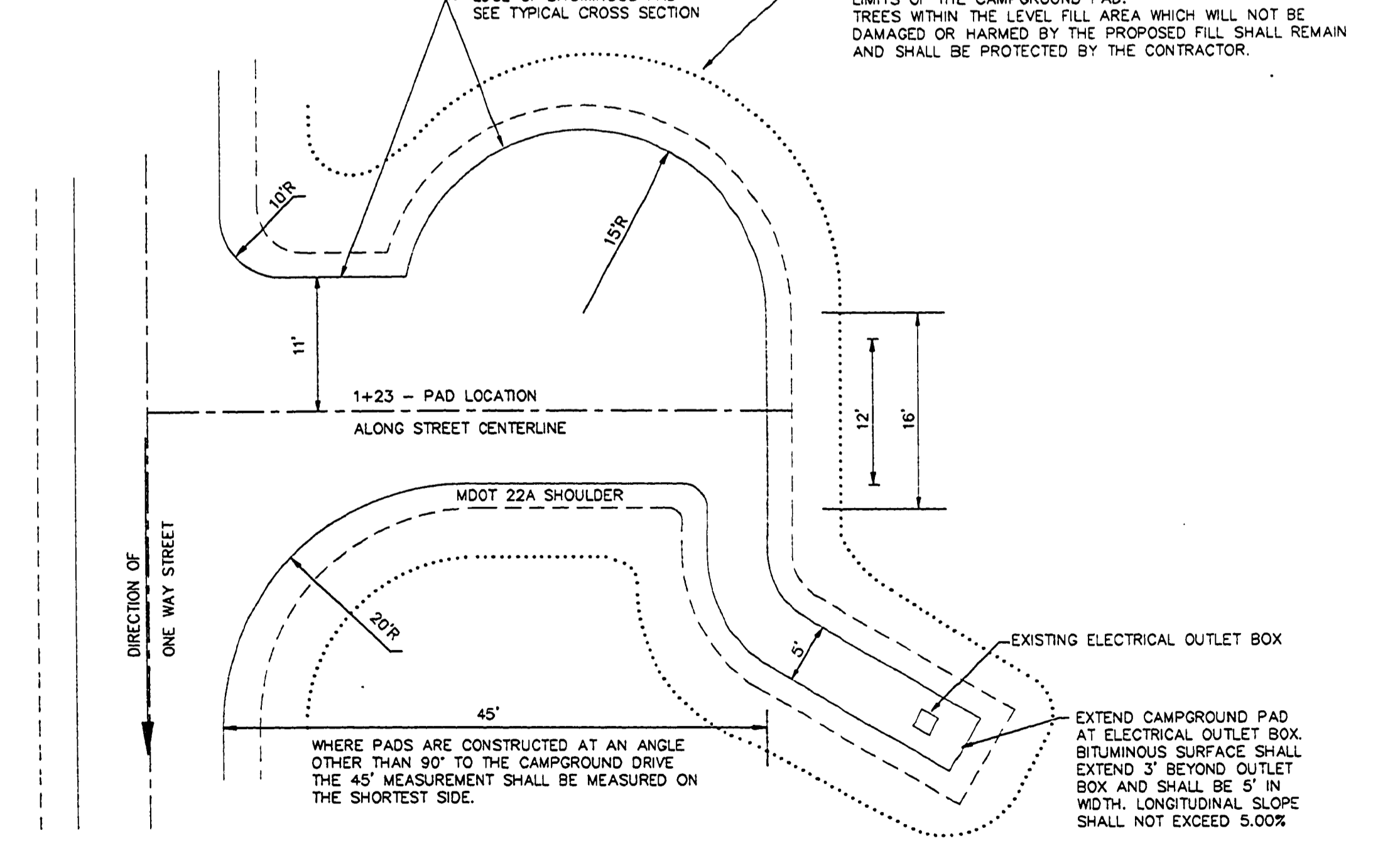
PROPOSED 6" OUTLET ENDING DETAIL

TYPICAL DETAIL FOR PDS CROSSING EXISTING ELECTRICAL SERVICES SHALL BE AS DETAILED BELOW. WHEN THE EX. ELECTRICAL SERVICE CONFLICTS WITH THE PROPOSED 6" INVERT THE ELECTRICAL SERVICE SHALL BE LOWERED OR RAISED TO AVOID THE CONFLICT.



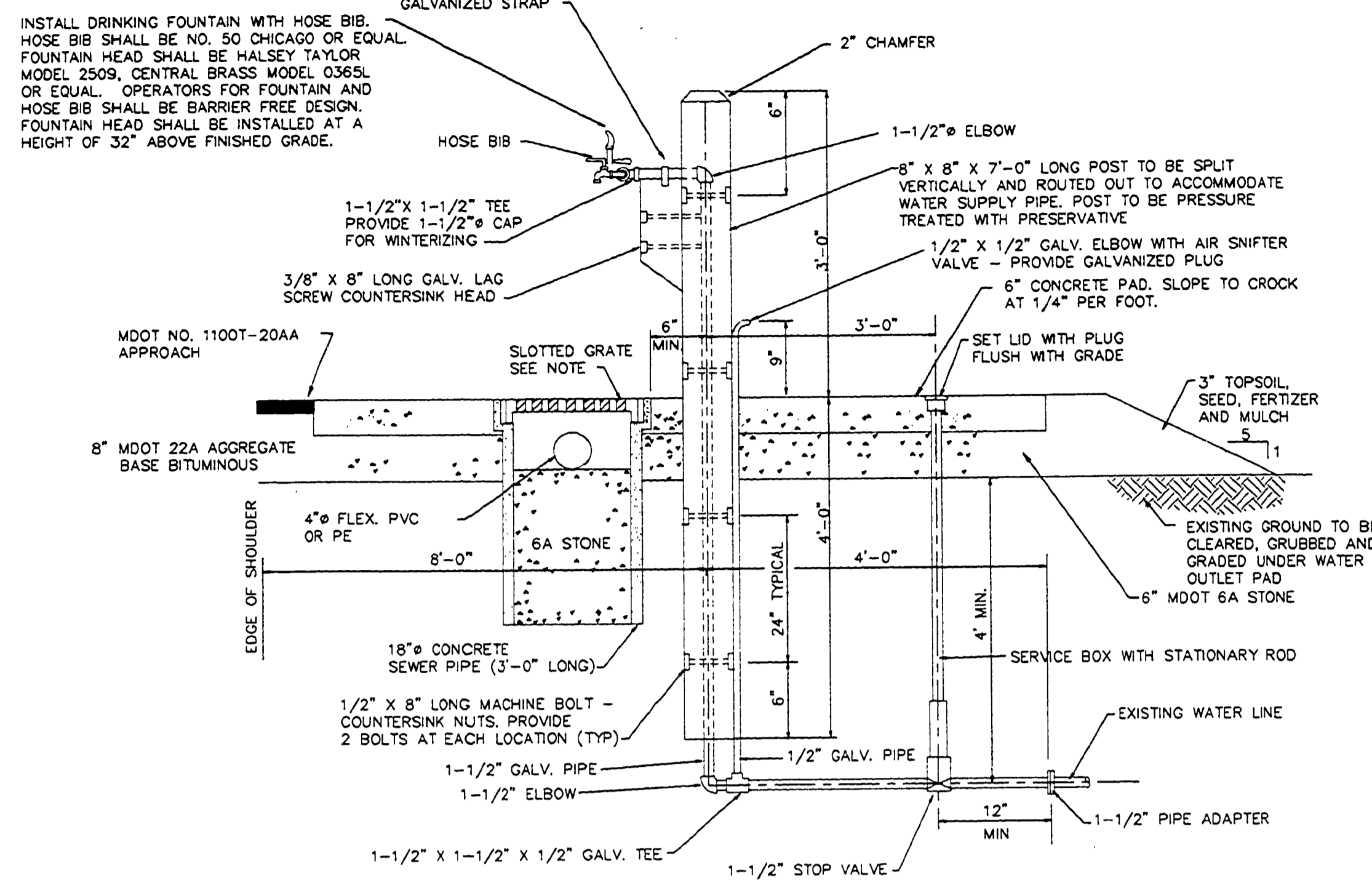
PDS CROSSING EXISTING ELECTRICAL SERVICE

THE LOCATION OF THE 10' AND 20' RADIUS OF THE CAMPGROUND PAD SHALL BE REVERSED WHERE THE CAMPGROUND PAD IS LOCATED ON A TWO WAY STREET.



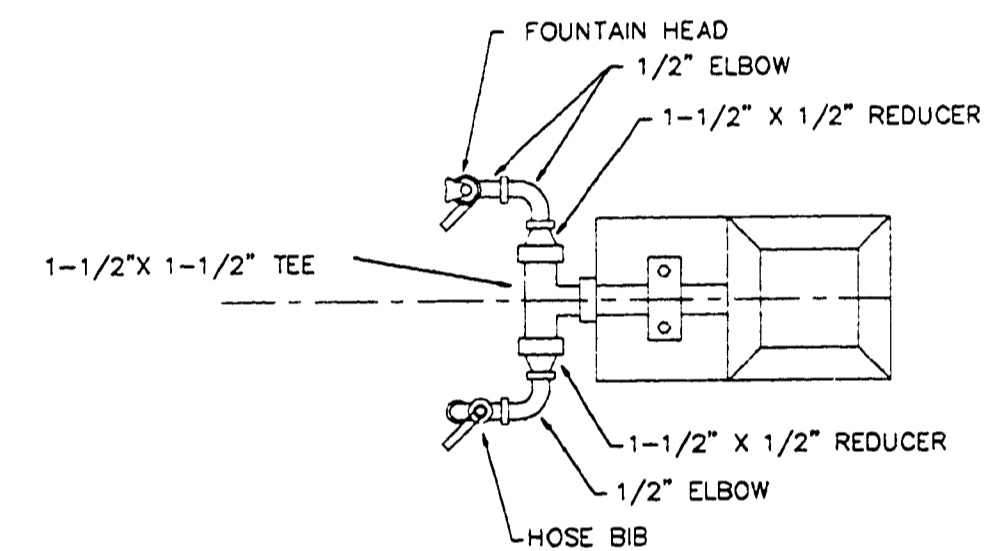
CAMPGROUND PAD LAYOUT DETAIL

NOTE: THE CENTERLINE LOCATION OF THE PADS AS NOTED SHALL BE CONSIDERED APPROXIMATE. THE PADS SHALL BE STAKED AT A MINIMUM OF TWO POINTS ON EACH PAD AS WELL AS FINAL GRADE ELEVATIONS PRIOR TO CLEARING AND GRUBBING OF THE CAMPSITE. FINAL PAD LOCATIONS AND ELEVATIONS SHALL BE APPROVED BY THE OWNER. THE OWNER RESERVES THE RIGHT TO REVISE THE PAD LOCATION PRIOR TO CLEARING AND GRUBBING AT NO CHANGE IN THE LUMP SUM PRICE.



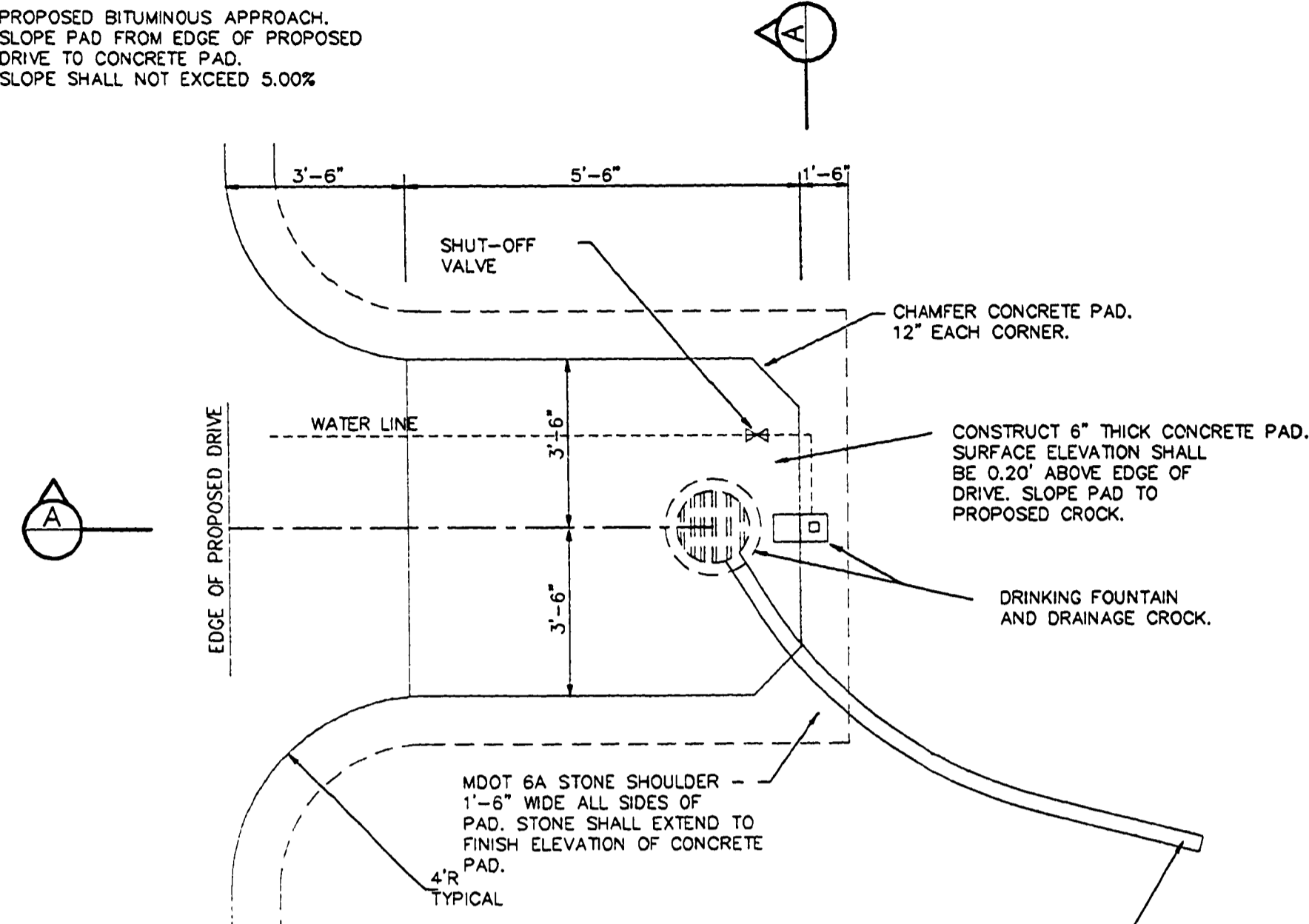
DRINKING FOUNTAIN DETAIL - SECTION A-A

NOTE: CONTRACTOR SHALL FURNISH AND INSTALL AN E.J.W. 6200 SERIES FLAT GRATE SUITABLE FOR INSTALLATION IN THE BELL OF THE 18" ROP DRAINAGE CROCK. CONTRACTOR SHALL INSTALL GROUT IN THE PIPE BELL SECTION OF THE DRAINAGE CROCK AS REQUIRED FOR FLUSH INSTALLATION OF THE GRATE. MAXIMUM ALLOWABLE SURFACE DIFFERENTIAL BETWEEN THE PAD AND GRATE SHALL BE -1/4". THE GRATE SUPPLIED SHALL MEET ADA REQUIREMENTS - 0.50" SLOT OPENING.



FOUNTAIN HEAD AND HOSE BIB DETAIL

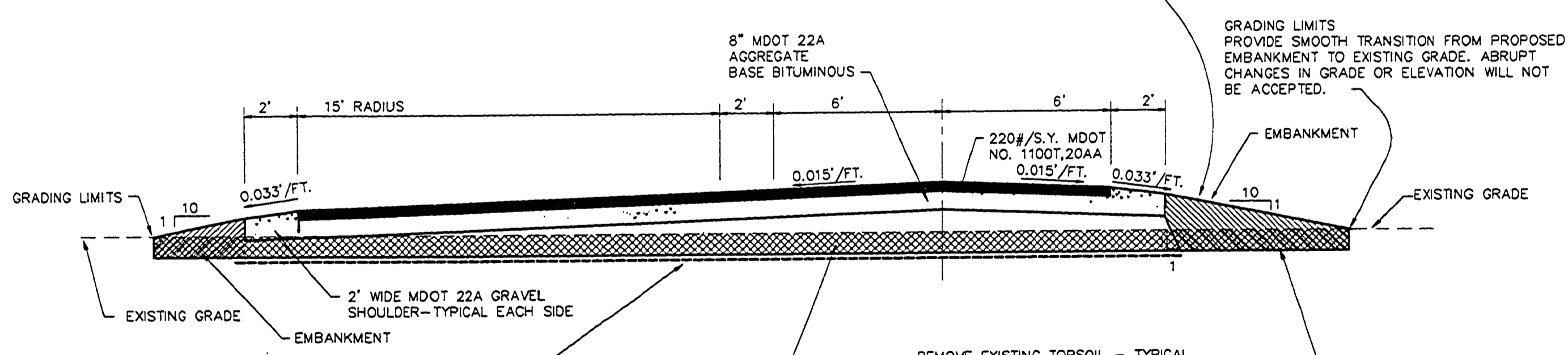
BITUMINOUS APPROACH SHALL CONSIST OF 220#/S.Y. MDOT 1100T,20AA OVER 8" MDOT 22A AGGREGATE BASE BITUMINOUS



DRINKING FOUNTAIN PAD DETAIL

CONSTRUCT 20 LF OF 4" PERFORATED UNDERDRAIN WITH FILTER WRAP. SLOPE AWAY FROM CROCK. PROVIDE MINIMUM 2" COVER. WHERE PROPOSED DRIVE UNDERDRAINS ARE LOCATED ADJACENT TO DRINKING FOUNTAIN, CONNECT CROCK DRAIN TO UNDERDRAIN.

NOTE: INSTALLATION OF PDS AT CAMPGROUND PADS WHERE NOTED ON THE CONSTRUCTION DRAWING SHALL CONFORM TO THE STANDARD DETAIL ON SHEET 3.



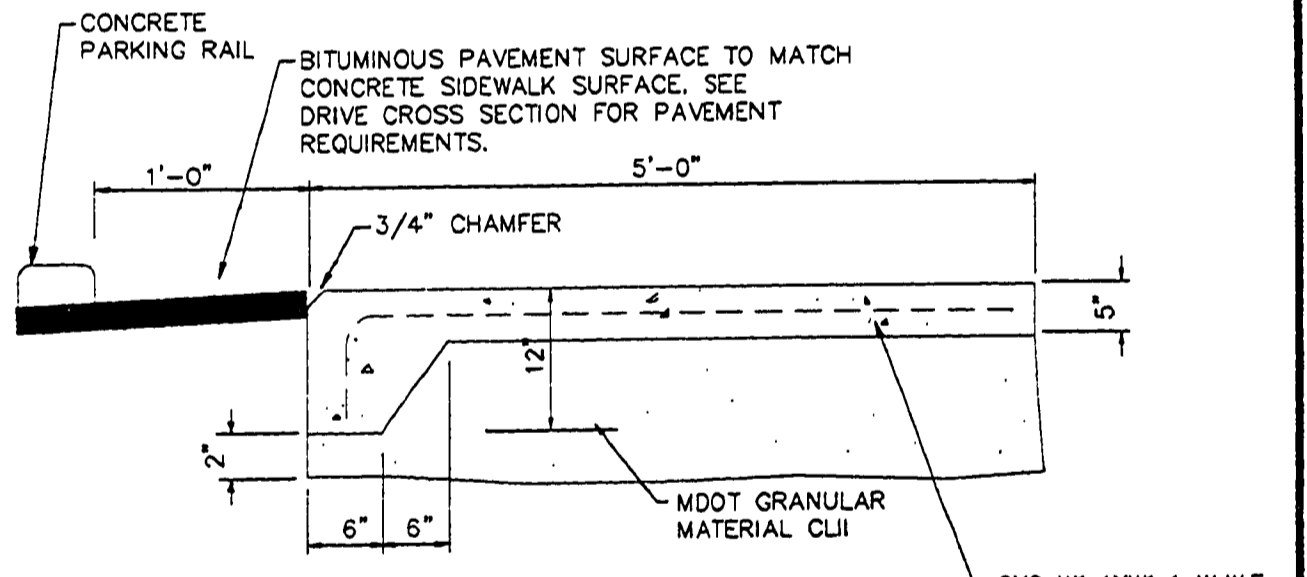
TYPICAL CROSS SECTION CAMPGROUND PAD

PLACE NON-WOVEN GEOTEXTILE FABRIC FULL PAD WIDTH AT THE SUBGRADE ELEVATION. FABRIC SHALL BE SUPAC 8NP OR EXXON GTF-300 OR APPROVED EQUAL. GEOTEXTILE FABRIC SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS. GEOTEXTILE SHALL BE PLACED ON ALL CAMPGROUND PADS WITHIN THE LIMITS OF THIS PROJECT. GEOTEXTILE SHALL BE PLACED TO 1' BEYOND THE PROPOSED EOM FOR ALL CAMPGROUND PAD RADII.

REMOVE EXISTING TOPSOIL - TYPICAL TOPSOIL SHALL BE STRIPPED FROM GRADING LIMITS LINE TO GRADING LIMITS LINE AND MAY BE STOCKPILED FOR USE IN RESTORATION OR EMBANKMENT OUTSIDE OF THE ROADWAY OR CAMPGROUND PAD.

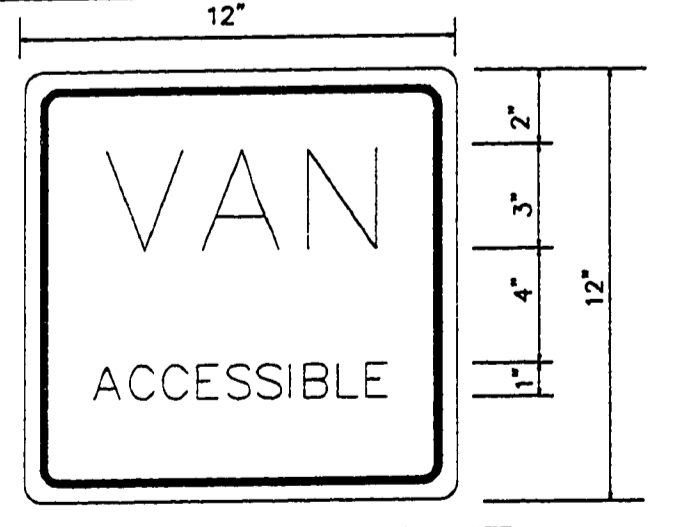
THE FILL MATERIAL REQUIRED TO CONSTRUCT THE SECTION TO THE PROPOSED SUBBASE ELEVATION SHALL CONSIST OF EXCAVATED MATERIAL MEETING THE REQUIREMENTS OF SECTION 02211. PARAGRAPH 2.02, OR IMPORTED GRANULAR MATERIAL COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS.

EMBANKMENT MATERIAL OUTSIDE OF A 1 ON 1 LINE FROM THE TOE OF THE AGGREGATE BASE MAY BE TOPSOIL AND OTHER EXCAVATED MATERIAL WHICH IS UNSUITABLE FOR USE FOR EMBANKMENT CONSTRUCTION UNDER THE PROPOSED ROADWAYS AND CAMPGROUND PADS.



THICKENED EDGE CONCRETE SIDEWALK DETAIL

NOTE: SIDEWALK WHICH IS TO BE CONSTRUCTED AS PART OF THIS PROJECT AND IS NOT NOTED AS "THICKENED EDGE" SHALL BE MINIMUM 4" THICK.



SIGN SHALL BE GREEN LETTERING ON WHITE BACKGROUND WITH GREEN BORDER.

VANS ACCESSIBLE SIGN DETAIL

BARRIER FREE SIGNS SHALL BE INSTALLED AT A HEIGHT OF 7'-0" AS MEASURED FROM THE EXISTING GRADE TO THE BOTTOM OF THE SIGN. VAN ACCESSIBLE SIGN SHALL BE INSTALLED AT A HEIGHT OF 6'-0" AS MEASURED FROM THE EXISTING GRADE TO THE BOTTOM OF THE SIGN.

FILE NO.: 1185203
 PLOT DATE: 7-13-93
 UPDATED BY: G.F.

DRN BY:	IDENTIFICATION NO.	ISSUED FOR	DATE
DES.D BY:	PROJECT - ALOHA	PRELIMINARY	7-06-92
CHK BY:	STATE ACCOUNT	CONSTRUCTION	7-14-93
APPD BY:	607-75-2450-400	FINAL RECORD	

Capital
 consultants, Inc.
 ENGINEERS

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
 MISCELLANEOUS DETAILS

SCALE: AS SHOWN
 PROJ. NO.: 91165
 SHEET 5 OF 17

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