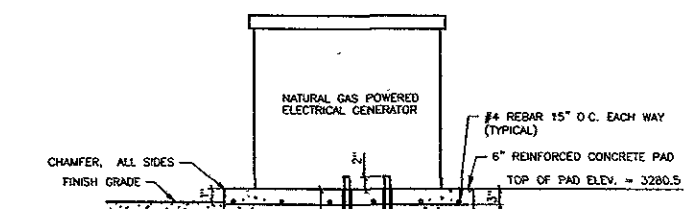
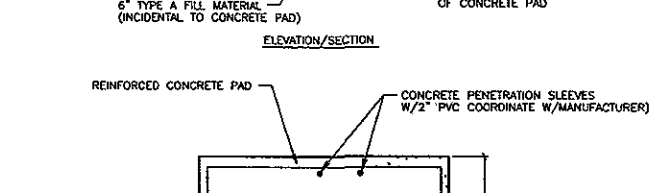
05SR029

GENERATOR AND CONCRETE PAD NOTES:

1. CONCRETE STRENGTH SHALL BE 4000 PSI SLUMP SHALL BE FROM 2" TO 4". CONCRETE SUBJECT TO FREEZING AND THAWING SHALL HAVE 4% TO 6% ENTRAINED AIR ALL OTHER CONCRETE SHALL HAVE 2% TO 4% ENTRAINED AIR. ALL CONCRETE SHALL BE PROTECTED FROM COLD OR HOT WEATHER IN ACCORDANCE TO AMERICAN CONCRETE INSTITUTE (ACI) RECOMMENDATIONS. APPLY SEALER TO CONCRETE. BROOM FINISH SLOPE TO EXTERIOR AT 1/8" IN 1 FT.
2. ASSUMED SOIL BEARING CAPACITY TO BE 2000 PSF.
3. REINFORCING STEEL SHALL BE ASTM A615 GRADE 60 SPLICES SHALL BE LAPPED A MINIMUM OF 24 BAR DIAMETERS.
4. PROVIDE ENGRAVED RED METAL SIGN WITH LETTERS "DANGER HIGH VOLTAGE" SIGN SHALL BE 12" WIDE BY 9" HIGH SECURE TO GENERATOR HOUSING WITH BRASS SCREWS
5. CONTRACTOR SHALL COORDINATE WITH BLACK HILLS POWER PRIOR TO POURING CONCRETE.
6. CONTRACTOR SHALL LOCATE PVC PENETRATION WITH IN CONCRETE PAD AS NECESSARY (FOR GAS AND ELECTRICAL LINE).

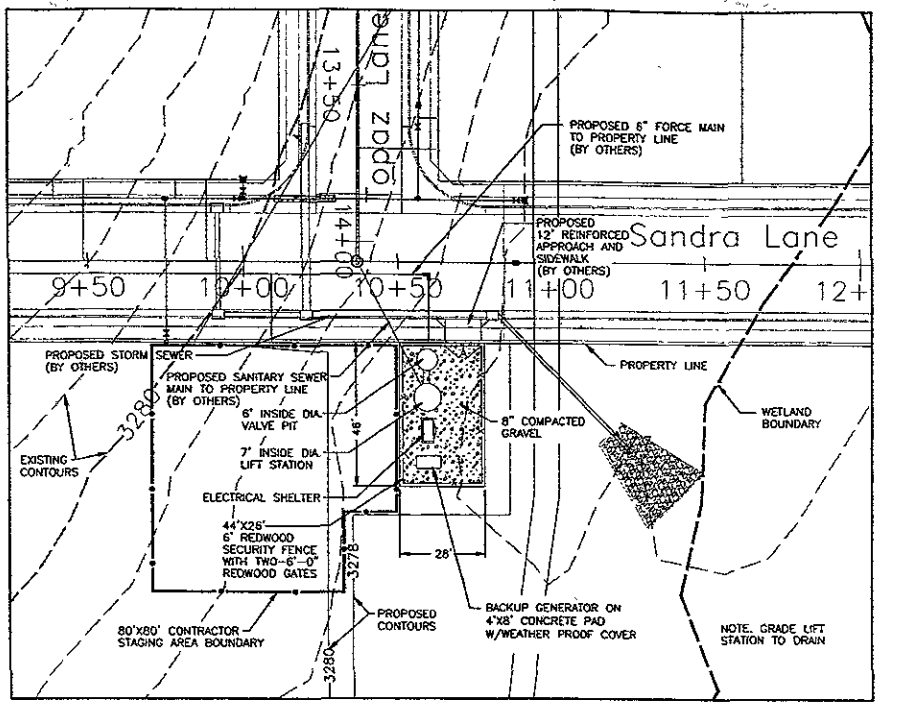


ELEVATION/SECTION

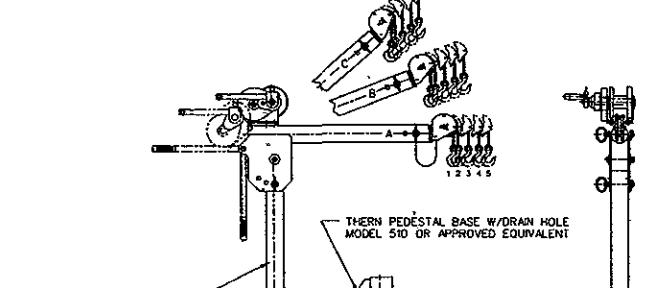


PLAN

CONCRETE PAD DETAIL
N.T.S.



LIFT STATION SITE PLAN



NOTE:
CONTRACTOR SHALL VERIFY W/HOIST MANUFACTURER THE CORRECT LOCATION OF THE PEDESTAL BASE.
CONTRACTOR TO SUPPLY STAINLESS STEEL CHAIN AND PAD LOCK ADEQUATE TO SECURE HOIST.

HOIST ASSEMBLY DETAIL
N.T.S.

PRELIMINARY
NOT FOR CONSTRUCTION

ALLIANCE ARCHITECTS and ENGINEERS

LAZY P-6 DEVELOPMENT
LIFT STATION

Scale: AS NOTED
Designed By: SAM
Drawn By: SAM, ALR
Design Date: 03-11-05
Plot Date: 03-11-05
A&E Project No.: 04-1053
File Name: 1063DET03.DGN
Revisions:

DETAILS AND LIFT STATION SITE PLAN

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