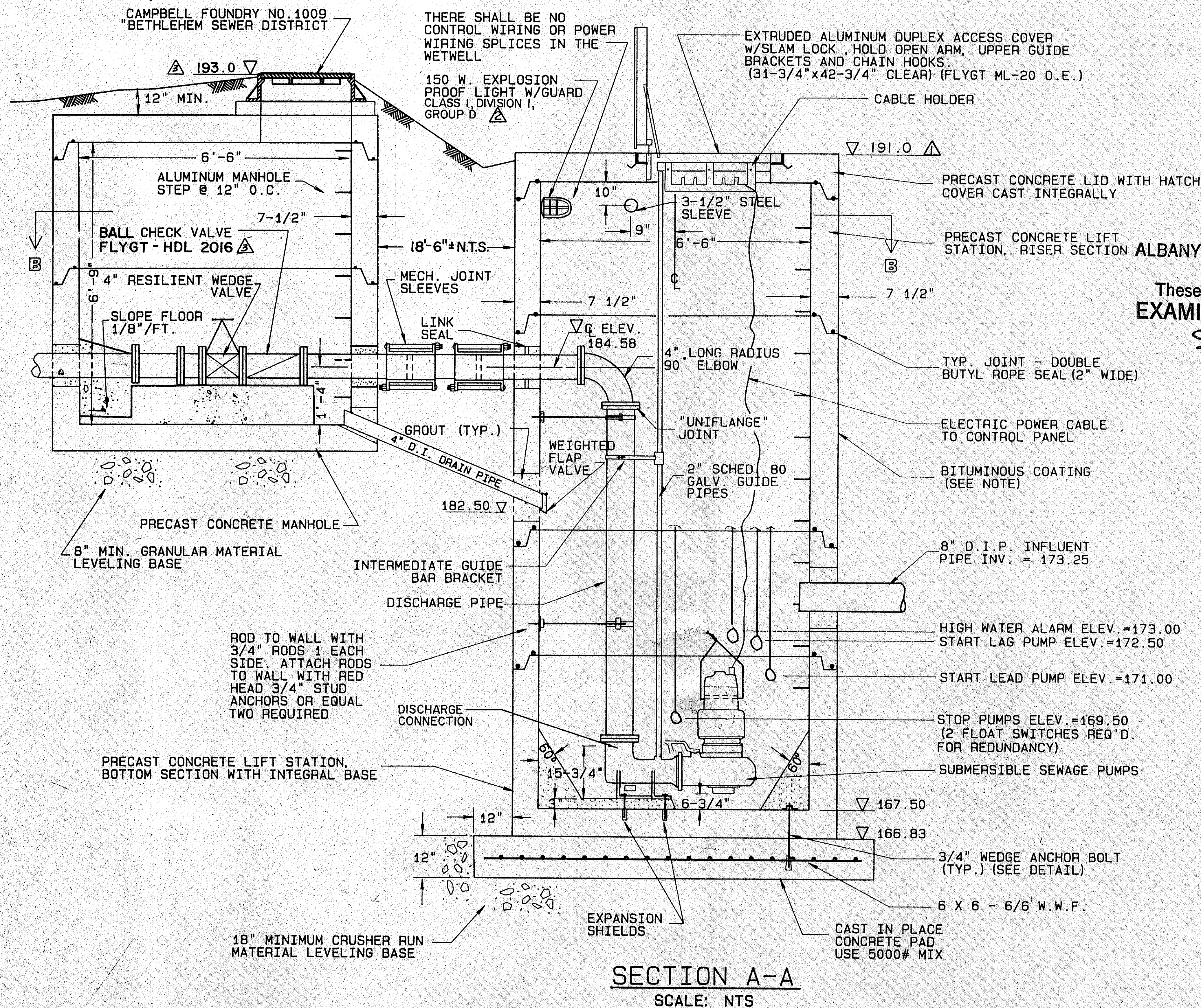
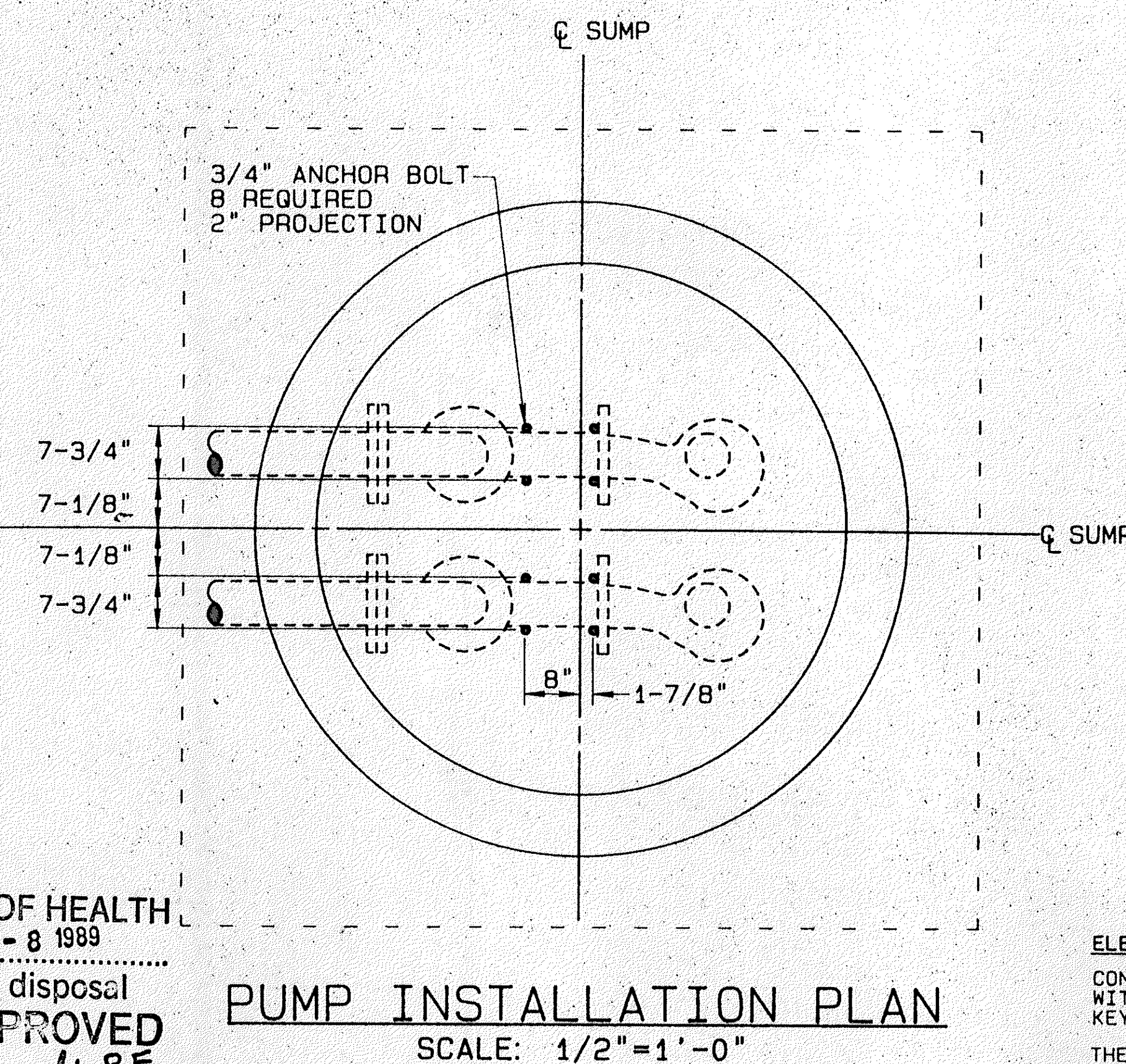
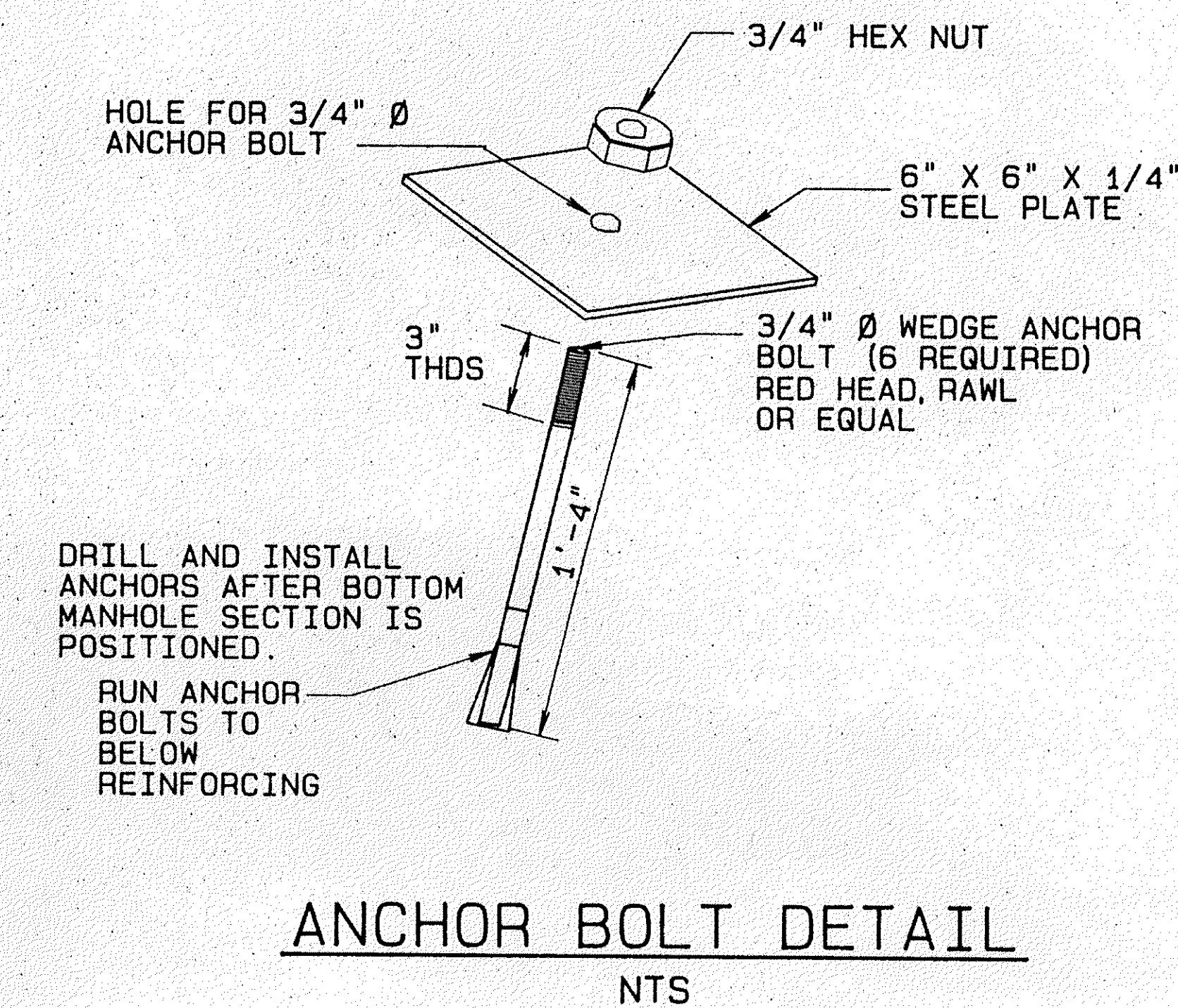
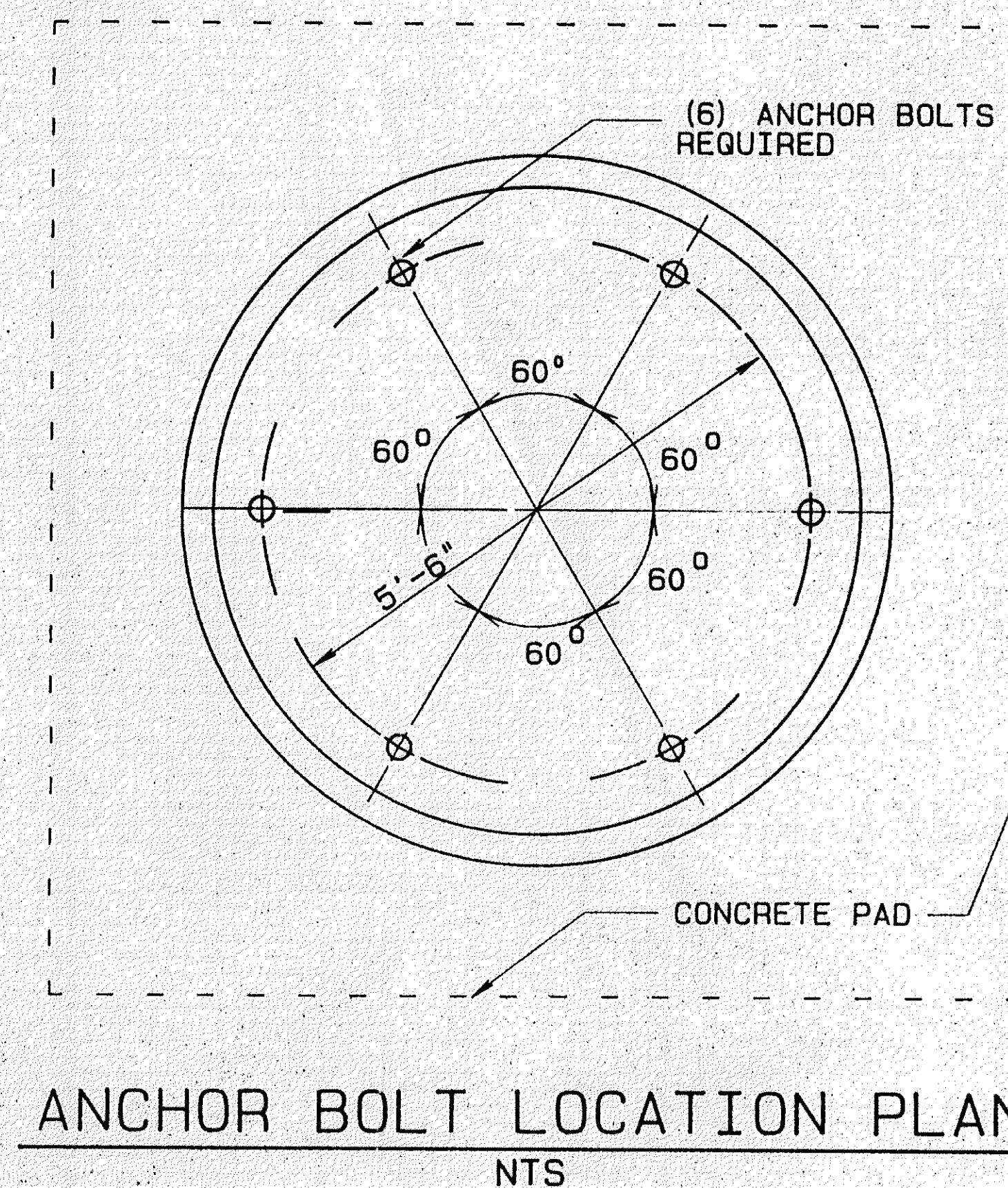
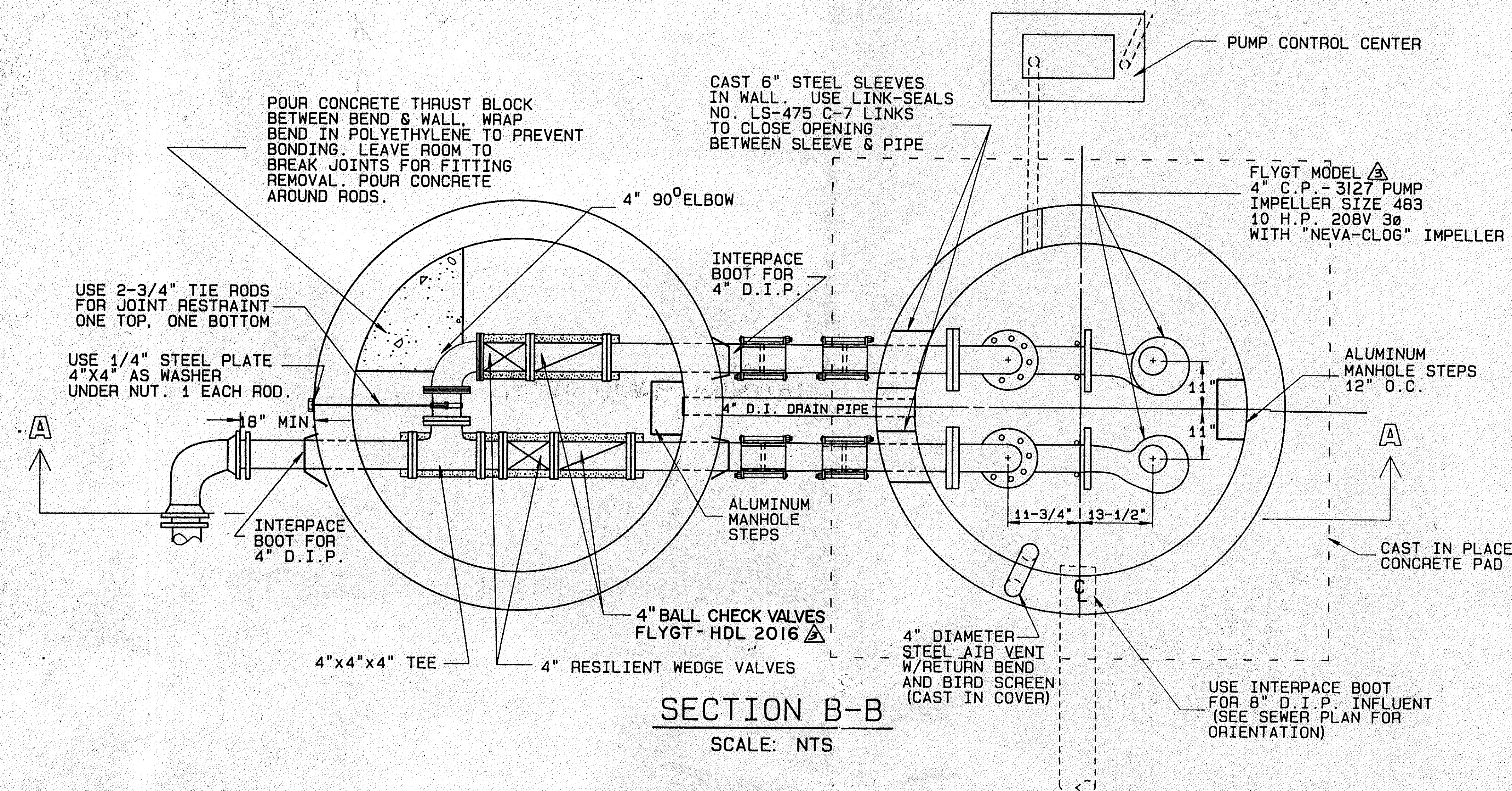
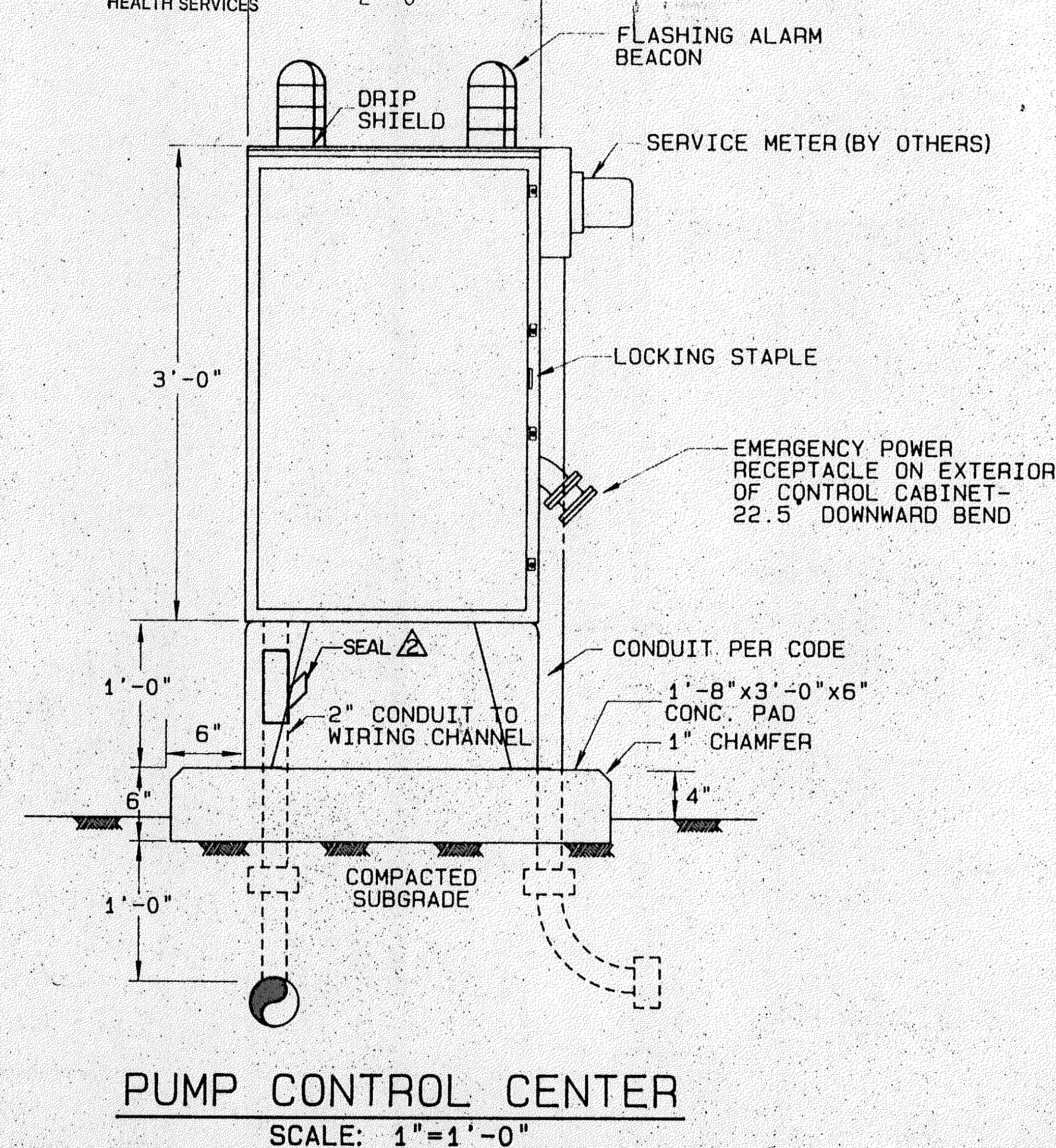
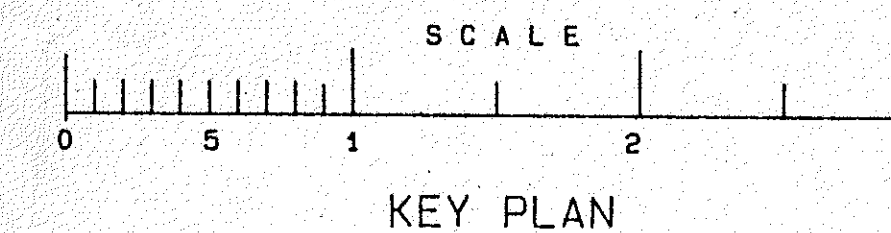




ALBANY COUNTY DEPT. OF HEALTH
DATE: FEB - 8 1989
These plans for sewage disposal
EXAMINED AND APPROVED
Stephen S. Lubowicki, P.E.
DIRECTOR, DIVISION OF ENVIRONMENTAL HEALTH SERVICES



- ELECTRICAL CONTROL PANEL**
CONTROL PANEL SHALL BE HOUSED IN / NEMA 3-R DEAD FRONT ENCLOSURE EQUIPPED WITH A LOCKING HASP AND MOUNTED ON A PEDESTAL MOUNTING STAND. A PADLOCK KEYS TO MATCH THE TOWN OF BETHLEHEM MASTER KEY SYSTEM SHALL BE SUPPLIED. THE PANEL SHALL CONTAIN THE FOLLOWING:
1. A MAIN CIRCUIT BREAKER
 2. MAIN POWER SUPPLY MONITOR (PHASE SEQUENCE & POWERLOSS)
 3. A CIRCUIT BREAKER FOR EACH PUMP
 4. A CIRCUIT BREAKER AND PROVISIONS FOR WET WELL LIGHTING
 5. A 120 VOLT TRANSFORMER FOR THE CONTROL CIRCUIT, ALARM & HEATER
 6. WIRING SHALL COMPLY WITH CLASS I, DIVISION I, GROUP C & D OF N.E.C.
 7. ELAPSED TIME METERS FOR EACH PUMP-PUMP RUNNING PILOT LIGHTS
 8. GREEN BULLSEYE RUN LIGHT ON INNER DOOR FOR EACH PUMP
 9. 2-FLASHING, HIGH LEVEL ALARM LIGHTS EXTERIOR MOUNTED WITH AUTOMATIC RESET
 10. AUDIBLE ALARM W/SILENCING CIRCUIT
 11. GELCEL BATTERY AND CHARGER TO OPERATE ALARM CIRCUIT, LIGHTS AND HORN ON FAILURE OF UTILITY POWER SUPPLY
 12. TEST SWITCH FOR EACH LEVEL SENSOR AND PUMP ALTERNATOR
 13. MOTOR STARTER FOR EACH PUMP (SIZED TO MATCH H.P. OF PUMP) WITH AMBIENT COMPENSATED QUICK TRIP HEATERS
 14. A THERMOSTATICALLY CONTROLLED HEATING UNIT FOR CONDENSATION PROTECTION
 15. A H.O.A. SWITCH FOR EACH PUMP, ON/OFF SWITCH FOR WET WELL LIGHTING
 16. CIRCUIT BREAKERS FOR CONTROL CIRCUITS SHALL BE GFCI
 17. DUPLEX G.F.I. TYPE RECEPTACLE-120V, 1Ø
 18. A U.L. APPROVED, SOLID STATE INTRINSICALLY SAFE CONTROL MODULE PER PUMP
 19. STANDBY POWER RECEPTACLE & TRANSFER SWITCH TO ACCOMMODATE TOWN PORTABLE GENERATORS. RECEPTACLE TO BE 4 WIRE/4 POLE, 2" HUB, STYLE 1A1041SS22, (MALE END)-CROUSE HINDS, INC., O.E.
 20. AUXILIARY POWER RECEPTACLE TO BE LOCATED ON EXTERIOR SURFACE OF CONTROL CABINET
 21. EVENTS RECORDER - STYLE RUSTRAC 292-4
 22. PUMP CABLE GROUND PROTECTION
 23. CONTROL PANEL LIGHTNING ARRESTOR
 24. ELECTRIC METER, MAIN CIRCUIT BREAKER, TRANSFER SWITCH W/WALKING BEAM INTERLOCK
- ELECTRIC SERVICE**
THE CONTRACTOR SHALL COORDINATE WITH NIAGARA MOHAWK POWER CORPORATION WITH REGARD TO SUPPLYING APPROPRIATELY SIZED 208V, 3Ø, 4 WIRE ELECTRIC SERVICE TO THE PUMP STATION.
- PRECAST CONCRETE LIFT STATION**
THE EXTERIOR AND INTERIOR OF THE PRECAST CONCRETE LIFT STATION COMPONENTS AND ALL TIE RODS AND BOLTS SHALL RECEIVE A BITUMINOUS COATING SIMILAR OR EQUAL TO BITUMINOUS COATING NO. 7037 AS MANUFACTURED BY PASSANO CORPORATION, WATERVLIET, NEW YORK.



RECEIVED
FEB 16 1989

- NOTES
1. ALL CONCRETE STRUCTURES AS MANUF. BY FT. MILLER CO. OR APPROVED EQUAL.
 2. ALL FLANGED PIPING-CLASS 53 D.I. PIPE W/125# COMPANION FLANGES.
 3. CHECK VALVES-FLYGT HDL TYPE 2016 O.E.
 4. RESILIENT WEDGE VALVES-FIG. F-6136 CLOW CORP. O.E.
 5. MECH. JT. SLEEVES-FIG. F-1014 (LONG SLEEVE) CLOW CORP. O.E.
 6. SEWAGE PUMPS & CONTROL PANEL AS MANUF. BY FLYGT CORP.

SUBMIT SHOP DRAWINGS FOR APPROVAL OF ALL ITEMS
UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DOCUMENT IS A VIOLATION OF SECTION 2601 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW

REVISIONS			
DATE	BY	DESCRIPTION	SYMBOL
10-3-88	APS	CHANGE PUMP STA. RIM ELEV. - BY CLOUGH, HARBOUR & ASSOC. O.K. BY JIM FRASER	Δ
11-8-88	APS	MISC REVISIONS BY CHA, PER INSTRUCTIONS OF JIM FRASER	Δ
1-24-89	GMP	CHANGED "CHECK VALVE" TO "BALL CHECK VALVE FLYGT-HDL 2016" PUMP MODEL NO. AND VALVE CHAMBER ELEV. PER JIM FRASER.	Δ

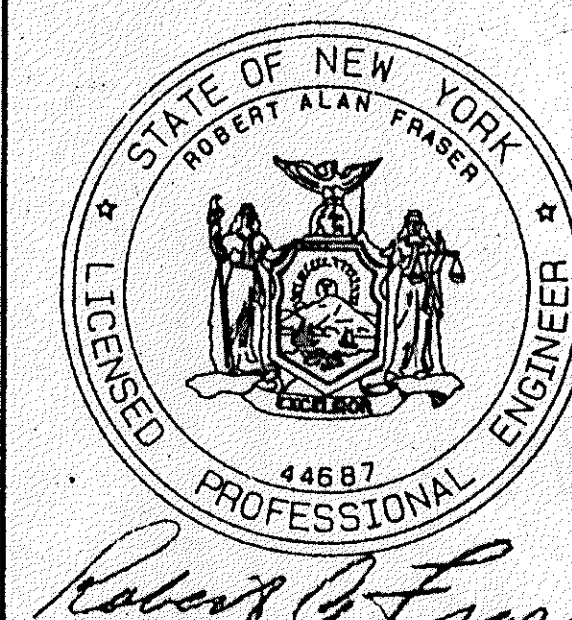
J. KENNETH FRASER
AND ASSOCIATES, P.C.
CONSULTING ENGINEERS
RENSSELAER, NEW YORK

NEW DAY TREATMENT
AND
WORKSHOP FACILITY

FOR
ALBANY ASSOCIATION
FOR
RETARDED CHILDREN

KRUMKILL & BLESSING ROAD
TOWN OF BETHLEHEM
ALBANY COUNTY NEW YORK

SCALE: AS NOTED



PROJ. ENG'R: RAF
DRAWN BY: MES
ASSEMBLED BY: MES
CHECKED BY: RAF

REF. NO. 038805.001

SHEET TITLE: **SANITARY SEWER
LIFT STATION DETAILS**

DATE: SEPTEMBER 1988 SHEET 1 OF 1