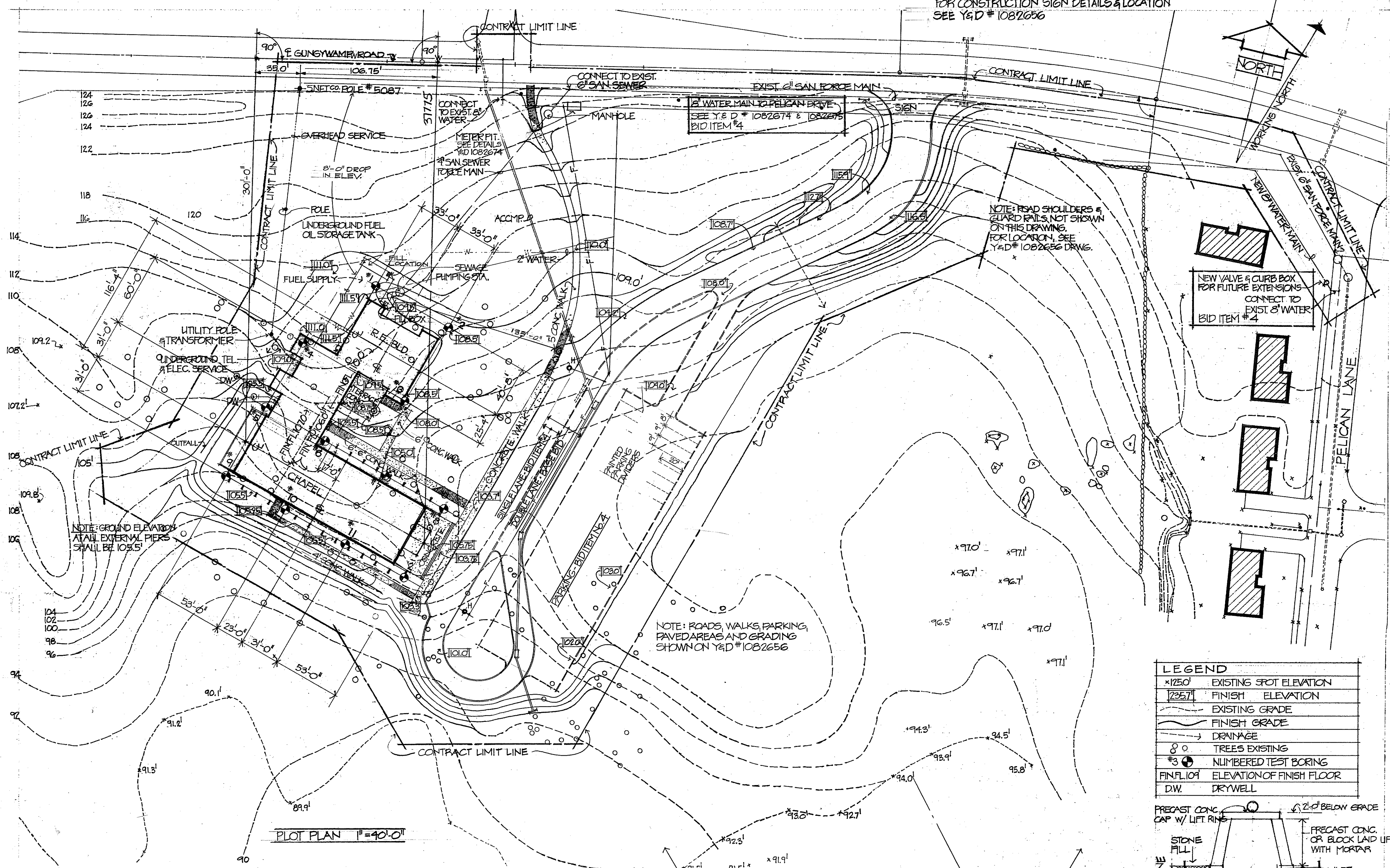


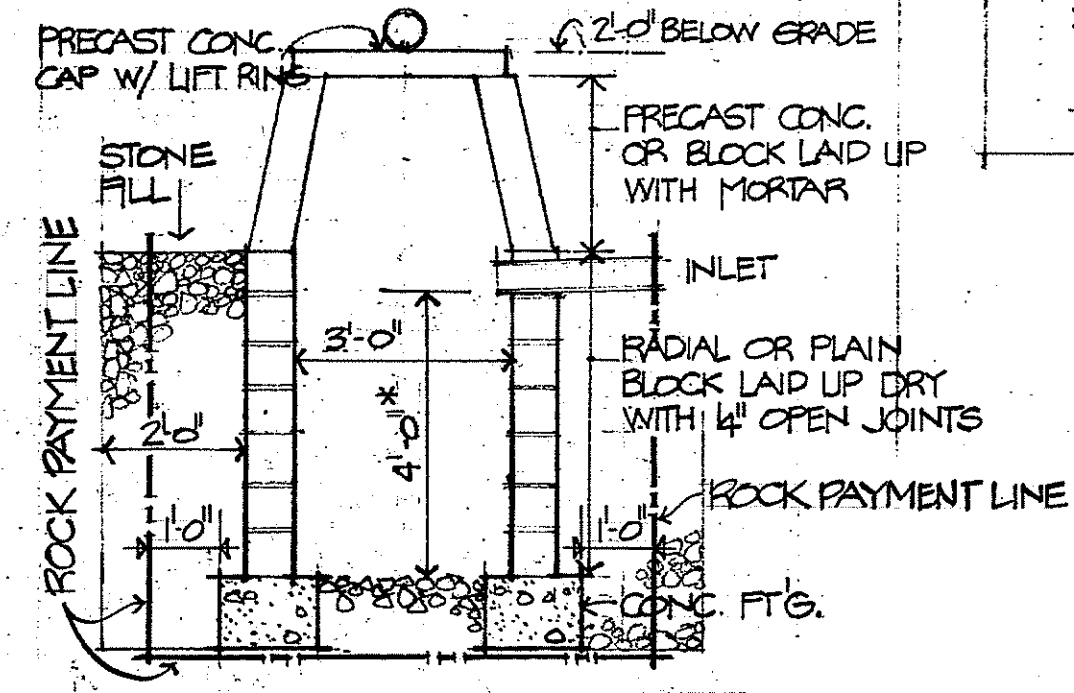
FOR CONSTRUCTION SIGN DETAILS & LOCATION  
SEE Y&D # 1082656



TEST BORING DATA			
DEPTH BELOW SURFACE	HAMMER BLOWS	DENSITY	FIELD IDENTIFICATION OF SOILS - REMARKS
HOLE 1 5'-0" TO 6'-0"	137	VERY DENSE	4" TOPSOIL SMALL COBBLES TO 6"-6" GRAY COARSE TO FINE SAND & GRAVEL (HARDPAN) REFUSAL AT 6'-6"
HOLE 2 10'-0"		ROCK	4" TOPSOIL. SURFACE BOULDERS GRAY COARSE TO FINE SAND, SILT & GRAVEL REFUSAL AT 4'-0" DRILLED WITH DIAMOND FROM 4' TO 9'. RECOVERED 2'-3" DRILLED FROM 9' TO 14'. RECOVERED 2'-8" BOTTOM OF BORING: 14'-0"
HOLE 3 5'-0" TO 5'-4"	110	VERY DENSE	4" TOPSOIL SMALL COBBLES GRAY COARSE TO FINE SAND & SILT, SOME COARSE GRV. REFUSAL AT 5'-4"
HOLE 4 5'-0" TO 5'-6"	118	VERY DENSE	4" TOPSOIL. SURFACE BOULDERS GRAY COARSE TO FINE SAND & SILT, SOME GRAVEL REFUSAL AT 7'-0"
HOLE 5 13'-6"		ROCK	DRILLED WITH DIAMOND FROM 7'-6" TO 12'-6". RECOVERED 25" DRILLED FROM 12'-6" TO 17'-6". RECOVERED 24" BOTTOM OF BORING: 17'-6"
HOLE 6 10'-0"		ROCK	5" TOPSOIL. SURFACE BOULDERS. GRAY MEDIUM TO FINE SAND & SILT, SOME GRAVEL. REFUSAL AT 4'-0"
HOLE 7 10'-0"		ROCK	5" TOPSOIL. GRAY COARSE TO FINE SAND, SILT & GRV. REFUSAL AT 4'-0"
HOLE 8 10'-0"		ROCK	4" TOPSOIL GRAY COARSE TO FINE SAND, SILT & GRAVEL REFUSAL AT 5'-0"
HOLE 9 5'-0" TO 5'-3"	125	VERY DENSE	5" TOPSOIL. SURFACE BOULDERS GRAY COARSE TO FINE SAND & SILT, SOME GRAVEL REFUSAL AT 5'-3"
HOLE 10 10'-0"		ROCK	DRILLED WITH DIAMOND FROM 5'-3" TO 10'-3". RECOVERED 17" DRILLED FROM 10'-3" TO 15'-3". RECOVERED 15" BOTTOM OF BORING: 15'-3"
HOLE 11 5'-0" TO 5'-6"	128	VERY DENSE	4" TOPSOIL GRAY COARSE TO FINE SAND & SILT, SOME GRAVEL. REFUSAL AT 4'-11"
HOLE 12 10'-0"		ROCK	5" TOPSOIL. SURFACE BOULDERS GRAY COARSE TO FINE SAND & SILT, SOME GRAVEL. REFUSAL AT 5'-0" DRILLED WITH DIAMOND FROM 5'-6" TO 10'-6". RECOVERED 14" DRILLED FROM 10'-6" TO 15'-6". RECOVERED 15" BOTTOM OF BORING: 15'-6"

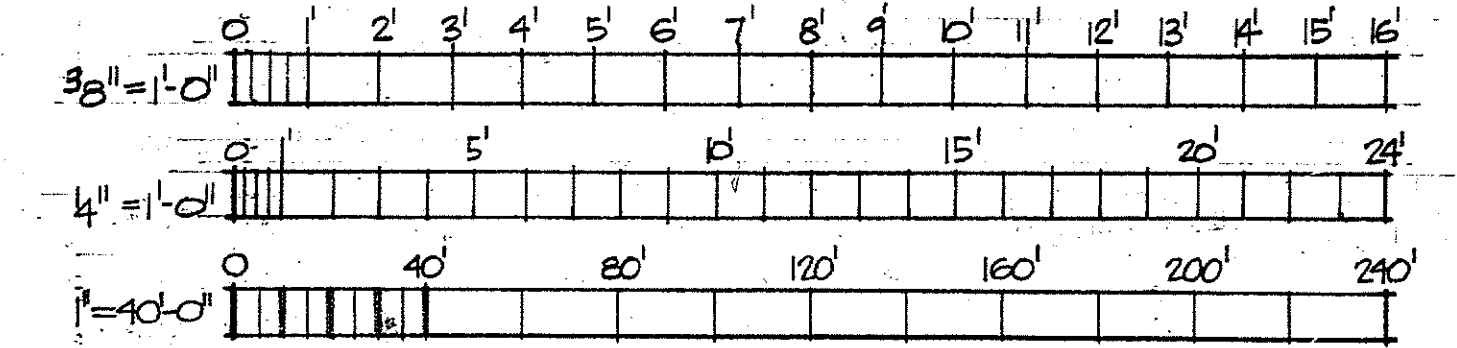
DATA BY TEST BORINGS, INC., 59 BROADWAY, NORTH HAVEN, CONNECTICUT  
GENERAL INFORMATION: TYPE OF BORING: SPLIT SPOON (ALUMINUM PIPE)  
SAMPLER: CD 2" ID 1 3/8" HAMMER-WEIGHT 140 LBS. GROUND WATER ELEV. EACH BORING - NONE  
IN ACCORD WITH THE SPECIFICATIONS, SAMPLES WERE TAKEN EVERY 5'-0" OR THERE IS, THEREFORE, NO SAMPLE DATA WHERE REFUSAL OCCURED BEFORE MINUS 5'-0".

LEGEND	
125.0'	EXISTING SPOT ELEVATION
125.7'	FINISH ELEVATION
---	EXISTING GRADE
---	FINISH GRADE
---	DRAINAGE
○	TREES EXISTING
⊙	NUMBERED TEST BORING
---	FINISH OF ELEVATION OF FINISH FLOOR
---	DRYWELL



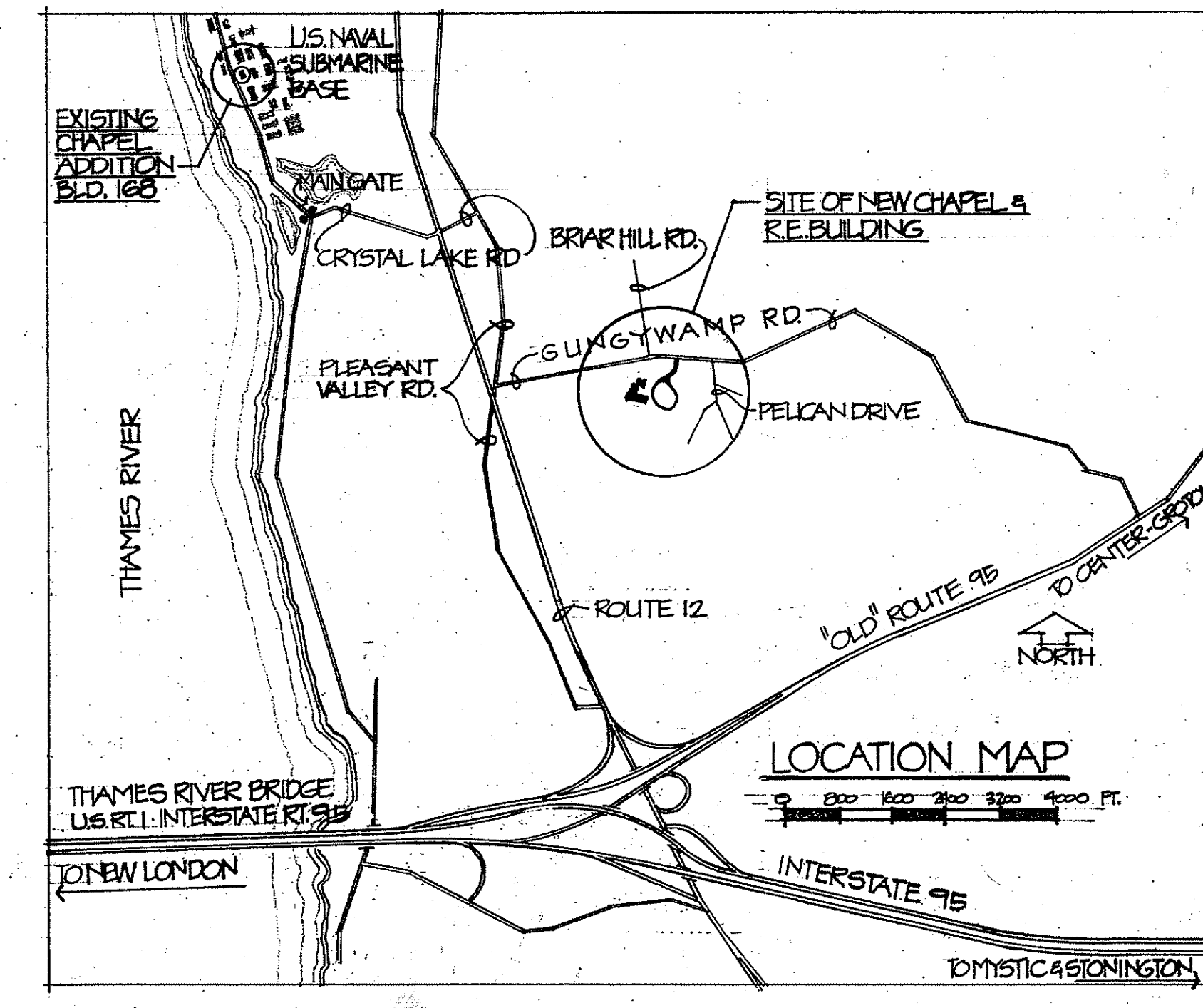
\* 4'-0" FOR RAIN LEADERS  
2'-0" FOR SINKS

KEY	
[Symbol]	BATT INSULATION
[Symbol]	BLOCK
[Symbol]	BRICK
[Symbol]	CONCRETE
[Symbol]	GRADE
[Symbol]	GRAVEL
[Symbol]	GYPSUM B.D. PLASTER - CEMENT
[Symbol]	LAMINATED WOOD
[Symbol]	RIGID INSULATION
[Symbol]	TILE
[Symbol]	WOOD
[Symbol]	ROUGH WOOD
[Symbol]	FINISH GRADE - ROOM NUMBER
[Symbol]	SECTION
[Symbol]	SHEET
[Symbol]	DETAIL
[Symbol]	SHEET
[Symbol]	DOOR
[Symbol]	HARDWARE
[Symbol]	WINDOW

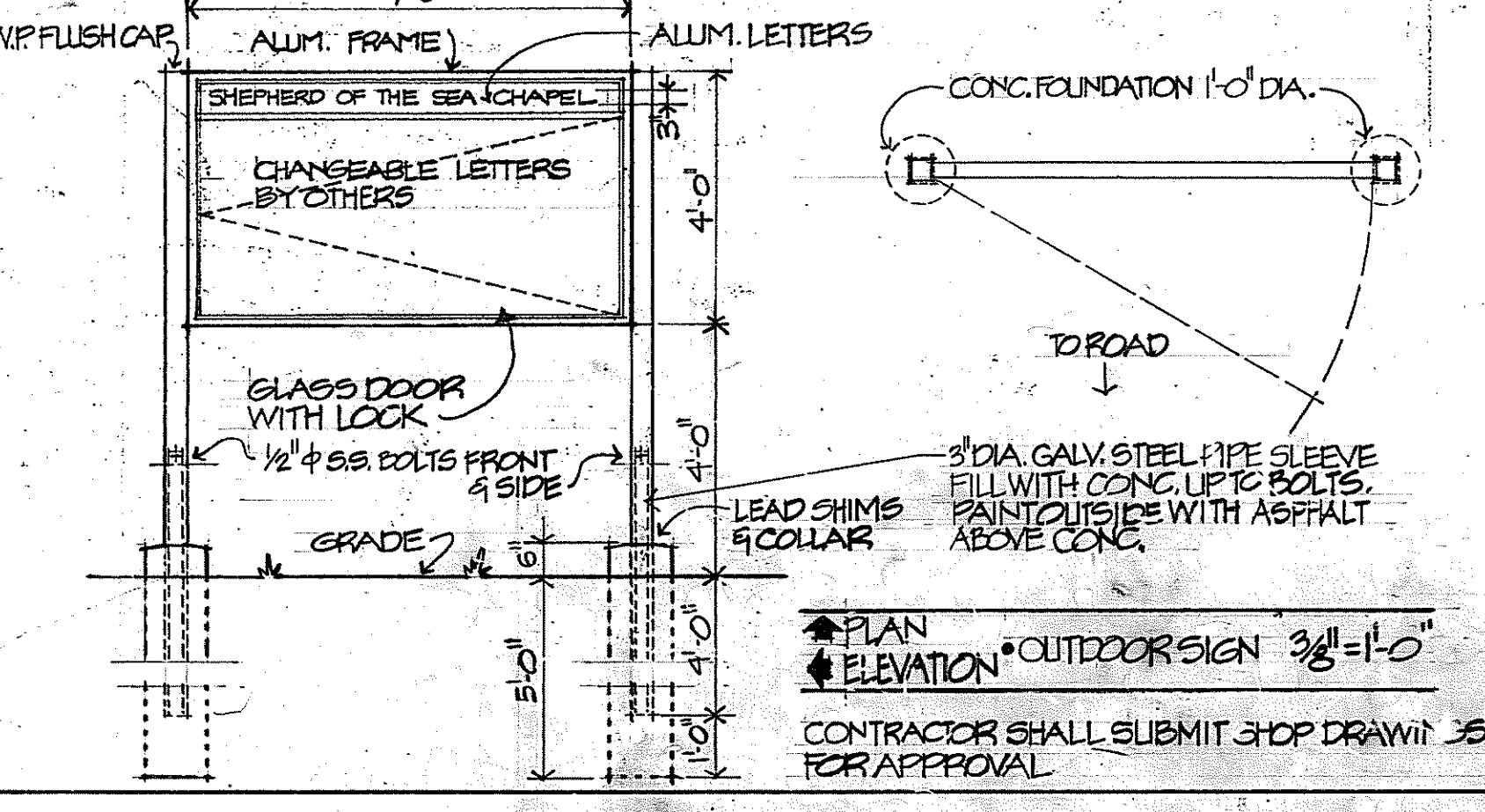


ENTRY ROAD & PARKING ALTERATIONS, CONTOURS ALTERED FOR DRAINAGE, CHANGES TO OUTDOOR SIGN, ADDITION OF VALVE & CURB BOX - 8" WATER MAIN.

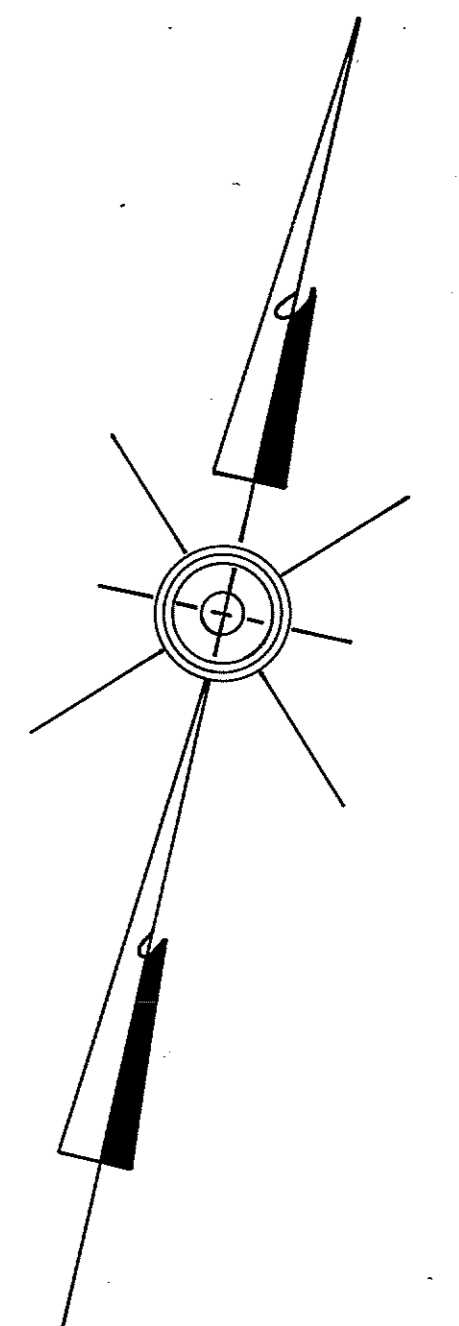
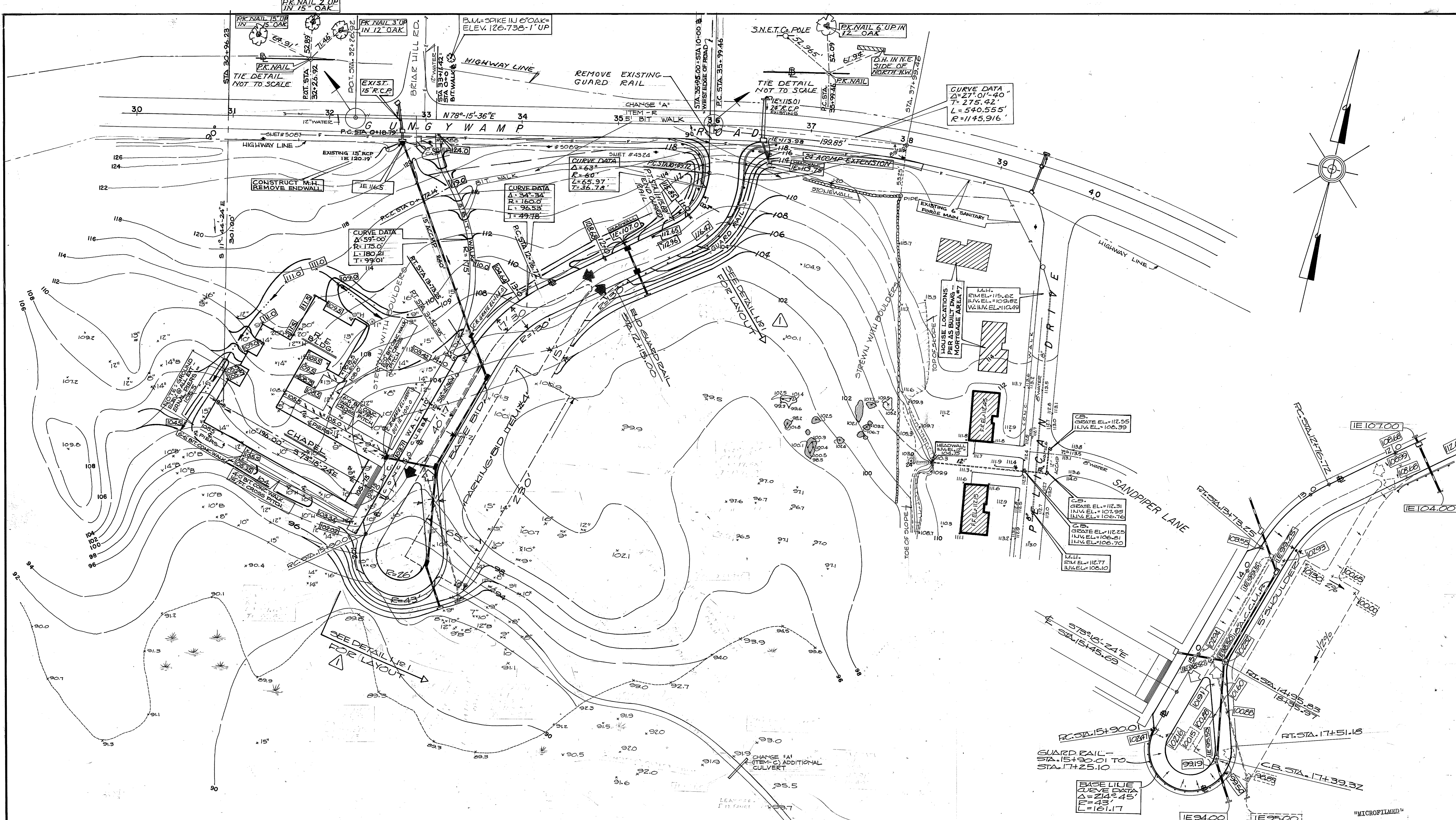
SYMBOL	DESCRIPTION	DATE	APPR.
REVISIONS			
OFFICE OF CARL R. BLANCHARD JR. ARCHITECTS	DEPT. OF THE NAVY BUREAU OF YARDS & DOCKS		
NEW HAVEN, CONNECTICUT	DISTRICT PUBLIC WORKS OFFICE		
	THIRD NAVAL DISTRICT		
	U.S. NAVAL SUBMARINE BASE - NEW LONDON - GROTON, CONNECTICUT		
CHapel & Religious Education Building			
PLOT PLAN, LOCATION MAP & TEST BORING DATA			
DESIGNED BY [Signature]	DATE [Date]	CODE IDENT NO	SIZE
DRAWN BY [Signature]	DATE [Date]	1082655	33" x 42"
APPROVED [Signature]	DATE [Date]	NBY 63823	
OFFICER IN CHARGE	DATE [Date]	SCALE AS NOTED	SPEC 63823/65
APPR. FOR BLDG. OFFICE	DATE [Date]		
APPR. FOR CHIEF OF BUREAU	DATE [Date]		



NOTE: NO TREE OUTSIDE BUILDING AND PAVING LINES IS TO BE REMOVED WITHOUT SPECIFIC AUTHORIZATION FROM THE OFFICER IN CHARGE OF CONSTRUCTION. TREES SHALL BE PROTECTED FROM CONSTRUCTION DAMAGE.  
SEEDING: LAWN SEED - AREA BETWEEN 10" WIDE CONCRETE WALK (EAST OF BUILDING) & BUILDING COMPLEX SHALL BE SEEDED. AN AREA COMPLETELY SURROUNDING BLD. COMPLEX FROM BLD. LINE TO 40 FT. OUT FROM BLD. LINE SHALL ALSO BE SEEDED (LAWN SEED).  
EROSION SEED: ALL AREAS MORE THAN 40 FT. OUT FROM BLD. LINE WHERE EXISTING GRASSES HAVE BEEN DISTURBED & ALL AREAS 20 FT. EITHER SIDE OF PAVED WALKS, ROADS OR PARKING AREAS SHALL BE SEEDED WITH EROSION SEED.



CHANGE 'A' (ITEM 1-B) PROVIDES FOR: ADDITIONAL 100 LBS. CU. YDS. OF MASS ROCK & TRENCH ROCK REMOVED.  
CHANGE 'A' (ITEM 1-C) PROVIDE FOR: INCREASE DOSEAGE OF SOIL POISONING.  
CHANGE 'A' (ITEM 1-D) PROVIDE FOR: CHANGE MORTAR COLOR AS REQUESTED BY 'X' & 'E'.  
CHANGE 'A' (ITEM 1-E) PROVIDES FOR: CHANGE DESIGN OF DOOR DETAIL.  
1. METER PIT BEING RELOCATED  
2. WATER LINE - RELOCATE



**GENERAL NOTES & LEGEND**

UTILITIES SHOWN ARE FROM AD-BUILT DWGS. & CONSTRUCTION DWGS. PROVIDED BY THE ARCHITECT.

ROCK

INDICATES TREE AS TWIN, ETC.

15'4" x 15' HICKORY TREE

15'6" x 15' BEACH TREE

W.G. = WATER GATE

M.H. = MAN HOLE

P.O. = POLE

EXISTING CONTOURS

CATCH BASIN & PIPE

TREE WITH NO LETTER DESIGNATION - OAK

GUARD RAIL

DRAINAGE SWALE

ELEVATION

CONTOUR

CATCH BASIN & PIPING FOR FOOTPATH LAYOUT AROUND BUILDING SEE ARCHITECT'S DETAILS.

**NOTE ON CHANGES:**

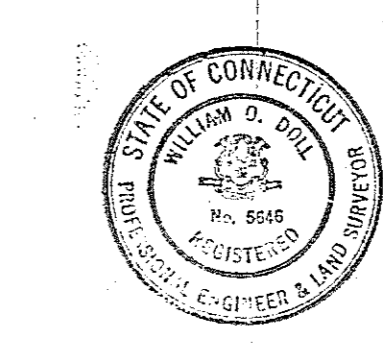
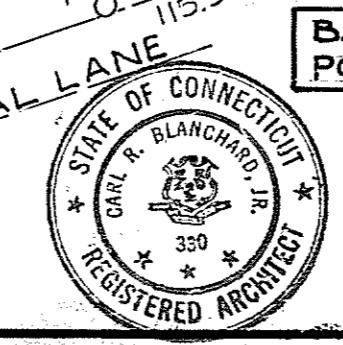
1. ADD ONE BIT WALK - 5'-0" WIDE NORTH OF CHAPEL.
2. ADD 5'-0" WIDE BIT WALK SOUTH OF CHAPEL.

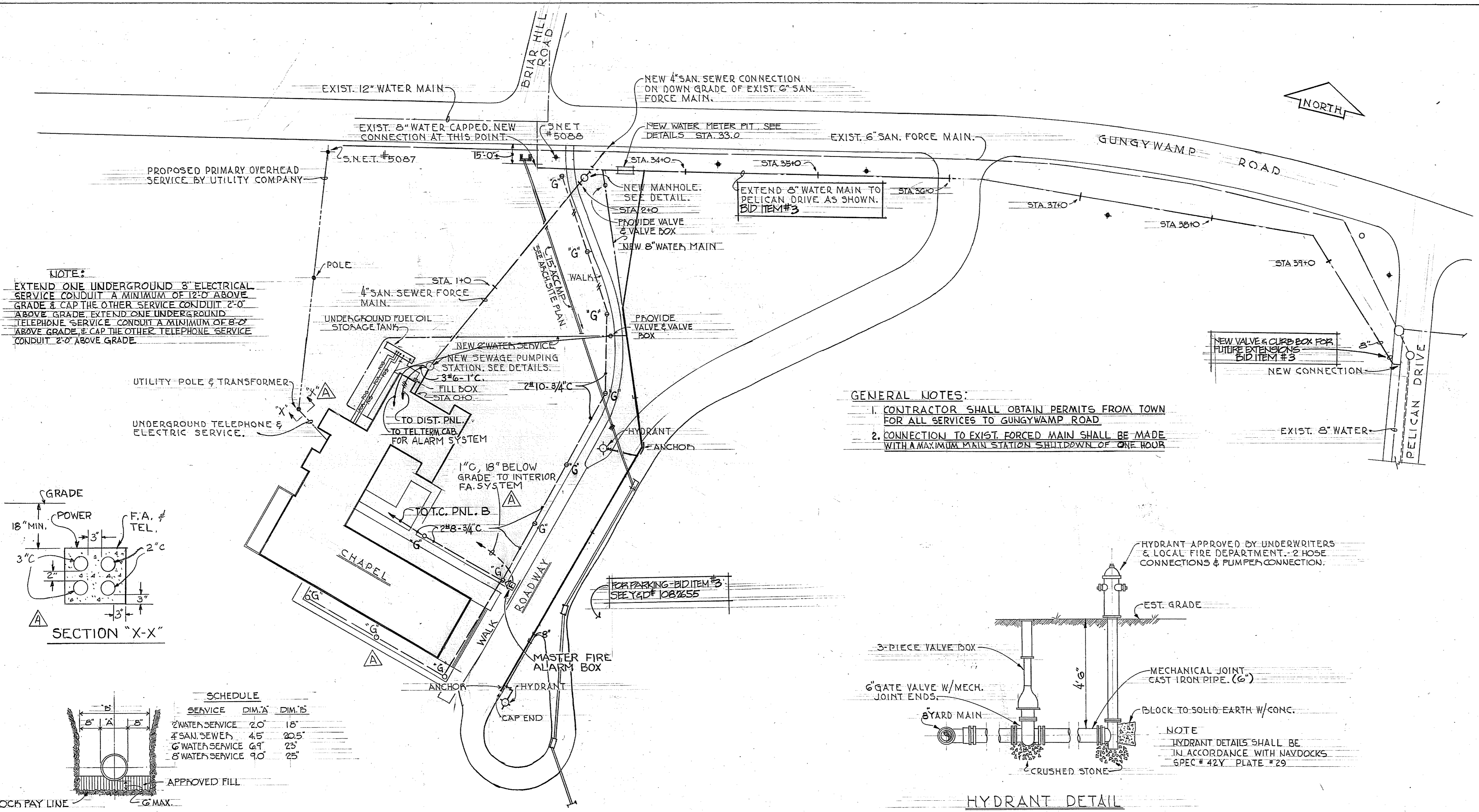
**DETAIL #1**  
LAYOUT OF DRIVE AND DRAINAGE

BASE BID  
ALTERNATE BID #4

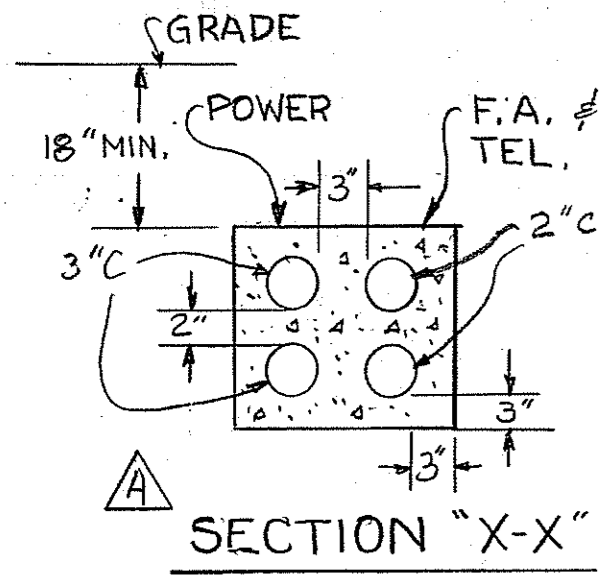
SYMBOL	DESCRIPTION	DATE	APPR
△	DRIVE, PARKING AREA & GRADING MODIFIED; WALKWAY FEEL LANE ELIMINATED.	6/9/68	
△	REV LAYOUT OF DRIVE & DRAINAGE	4/5/68	
REVISIONS			
OFFICE OF CARL R. BLANCHARD JR. ARCHITECTS NEW HAVEN, CONNECTICUT		DEPT. OF THE NAVY THIRD NAVAL DISTRICT NEW YORK, N.Y.	
DES. WD. DR. RG. CHK. WD. SUPV. CC. CH. ENGR. CC.		BUREAU OF YARDS & DOCKS DISTRICT PUBLIC WORKS OFFICE NEW YORK, N.Y.	
U.S. NAVAL SUBMARINE BASE - NEW LONDON - GROTON, CONNECTICUT			
CHAPEL & RELIGIOUS EDUCATION BUILDING			
PLOT PLAN			
APPROVED	DATE	CODE IDENT NO.	SIZE Y & D
OFFICER IN CHARGE	DATE	80091	F
APPR. FOR BUDDOCKS	DATE	1082.656	331-D-390
DPWO FOR CHIEF OF BUREAU	DATE	NBY 63823	
SCALE 1" = 40'		SPEC 63823/65 REV SHEET 2 OF 33	

CAHN ENGINEERS  
NEW HAVEN, CONN.





**NOTE:**  
 EXTEND ONE UNDERGROUND 3" ELECTRICAL SERVICE CONDUIT A MINIMUM OF 12" ABOVE GRADE & CAP THE OTHER SERVICE CONDUIT 2'-0" ABOVE GRADE. EXTEND ONE UNDERGROUND TELEPHONE SERVICE CONDUIT A MINIMUM OF 8'-0" ABOVE GRADE & CAP THE OTHER TELEPHONE SERVICE CONDUIT 2'-0" ABOVE GRADE.

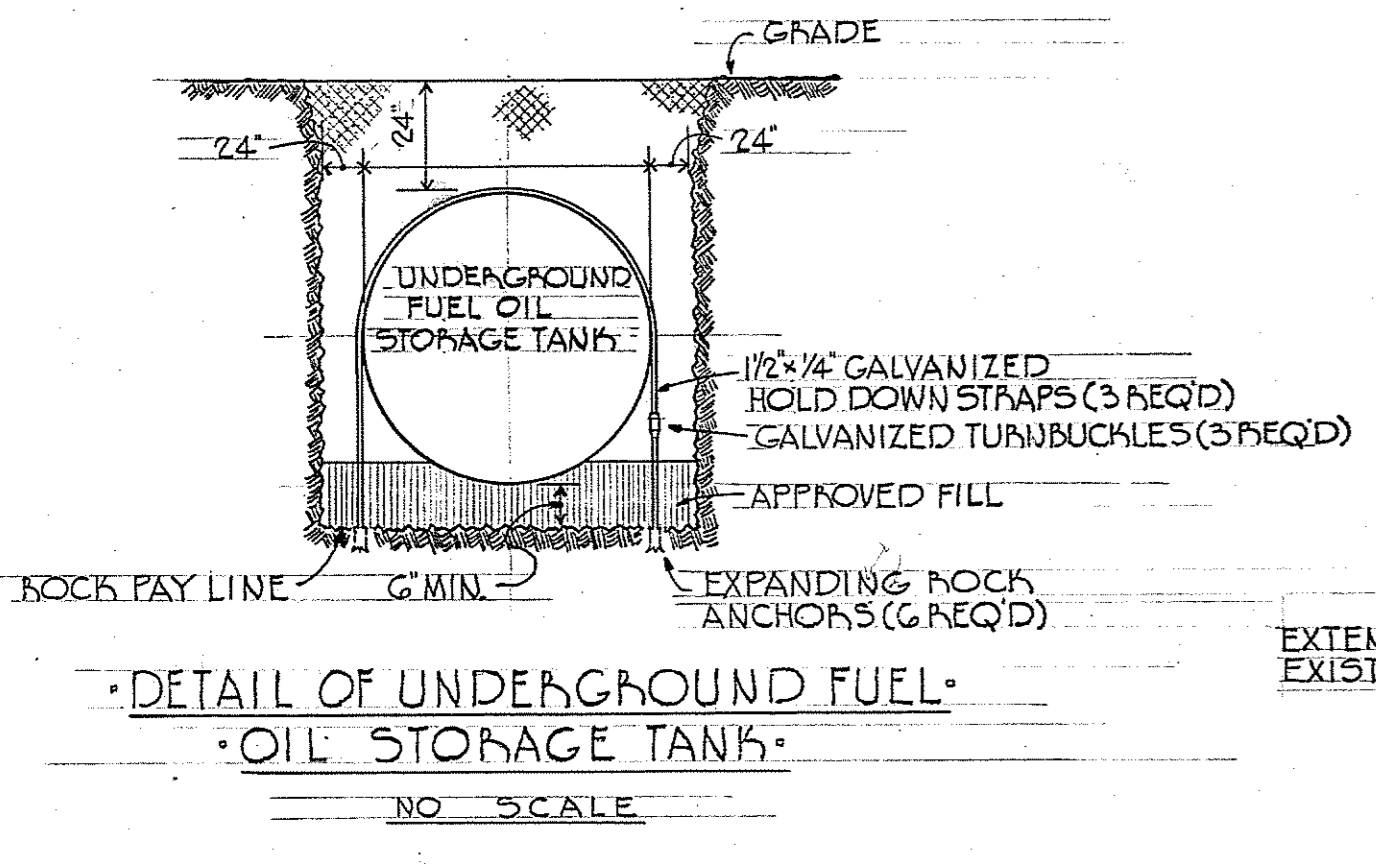


**SCHEDULE**

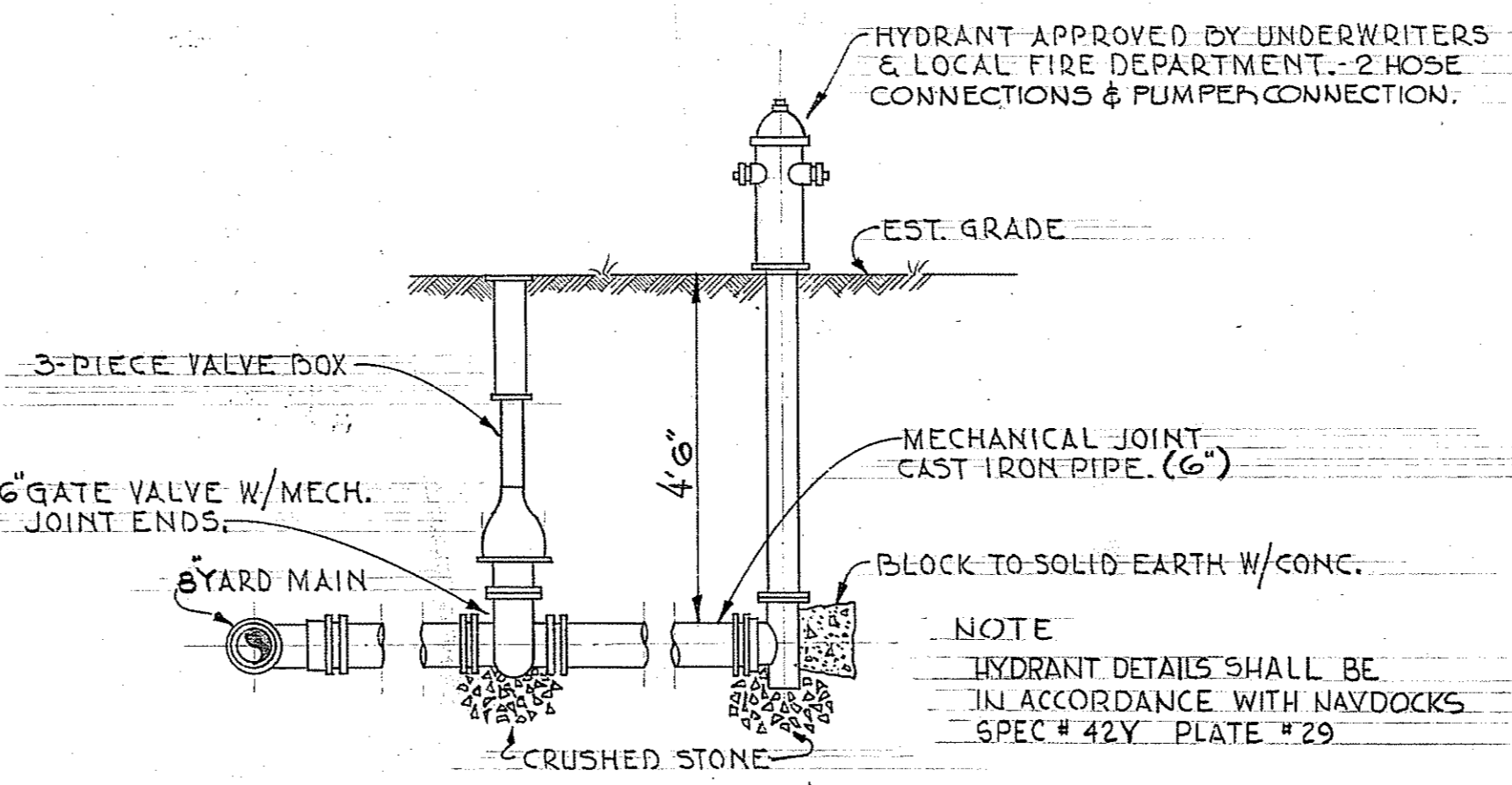
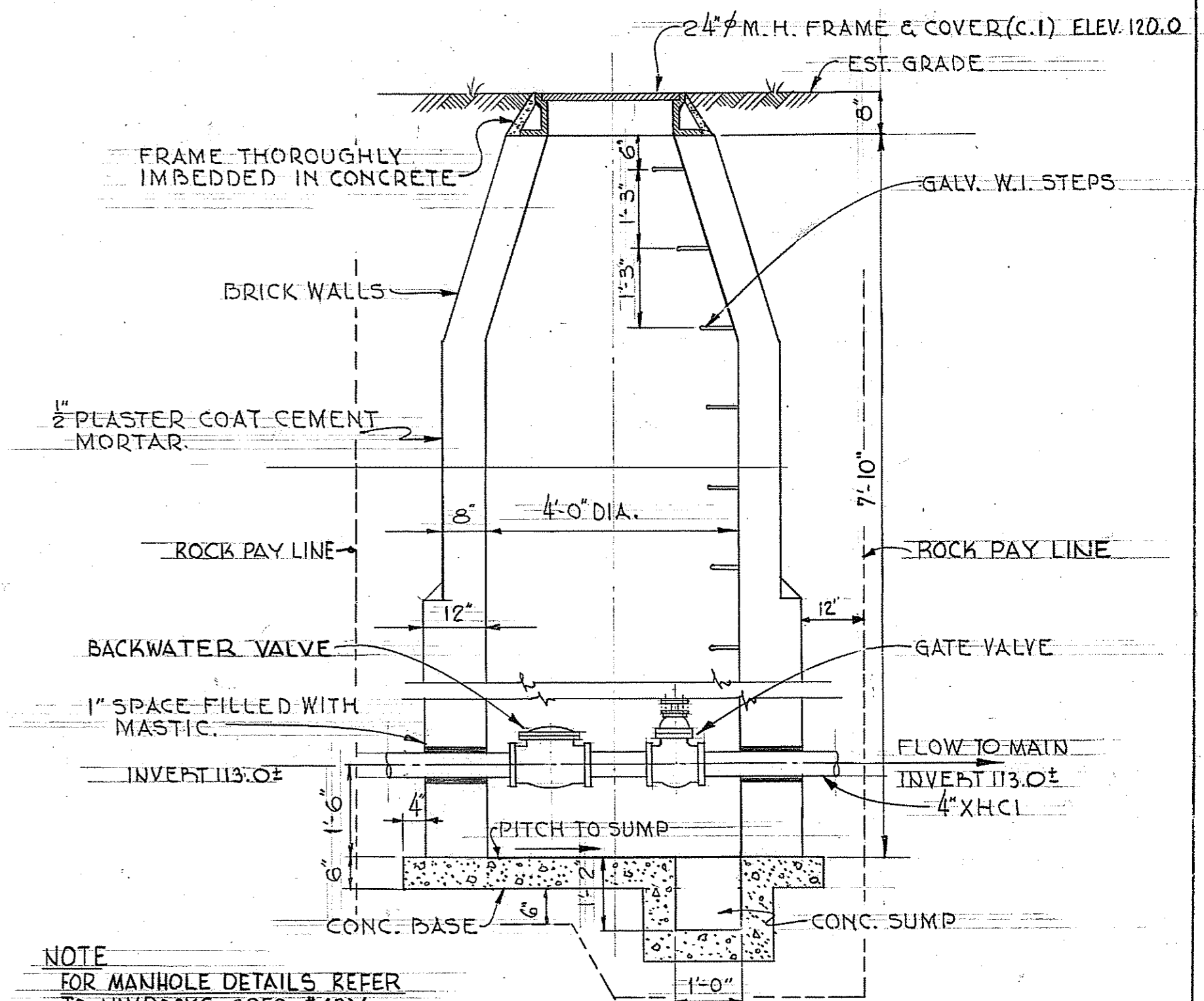
SERVICE	DIM. A'	DIM. B'
2" WATER SERVICE	2'-0"	18"
4" SAN. SEWER	4'-5"	20.5"
6" WATER SERVICE	6'-1"	23"
8" WATER SERVICE	9'-0"	25"

APPROVED FILL  
 ROCK PAY LINE  
 6" MAX.

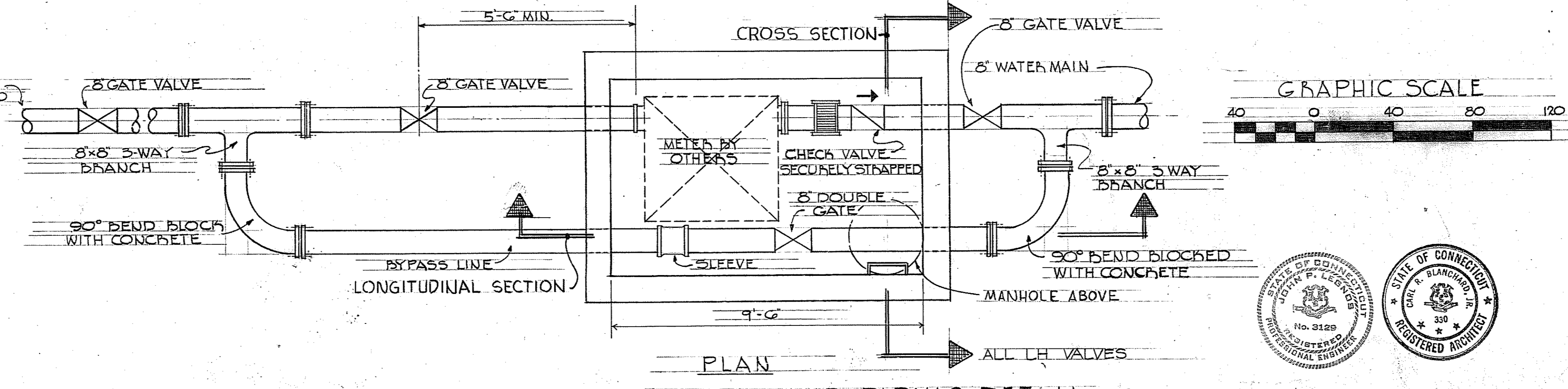
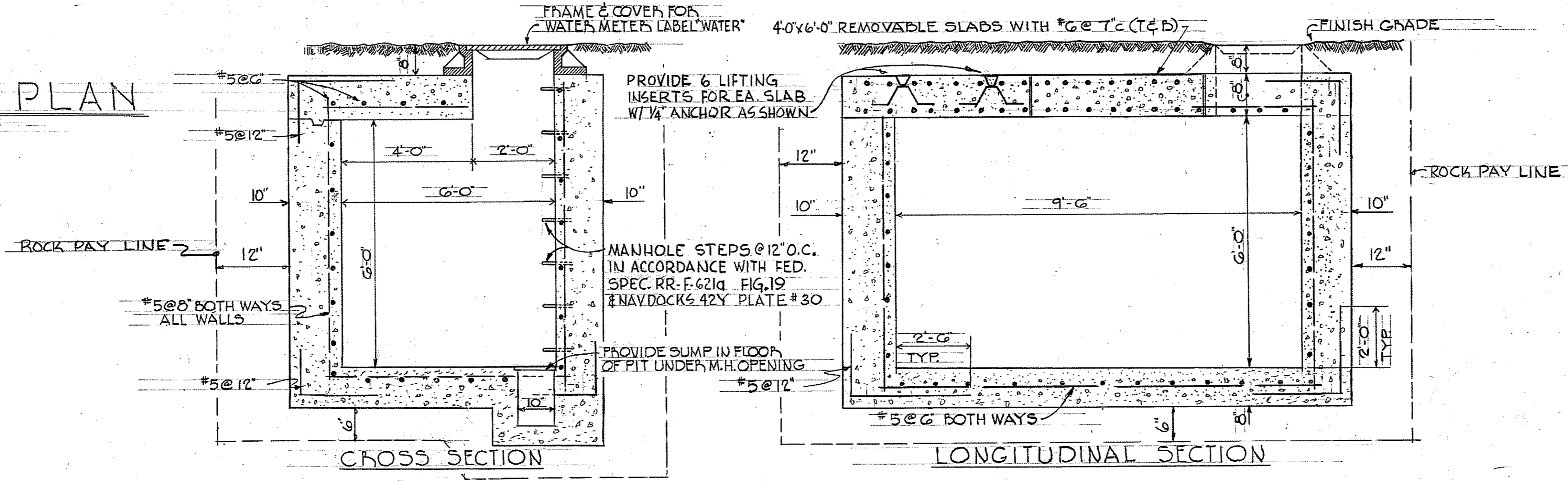
**TYPICAL ROCK PAY LINE FOR PIPE TRENCH IN ROCK**  
 NO SCALE



**GENERAL NOTES:**  
 1. CONTRACTOR SHALL OBTAIN PERMITS FROM TOWN FOR ALL SERVICES TO GUNGYWAMP ROAD.  
 2. CONNECTION TO EXIST FORCED MAIN SHALL BE MADE WITH A MAXIMUM MAIN STATION SHUTDOWN OF ONE HOUR.



**SITE PLAN**  
 SCALE 1" = 40'



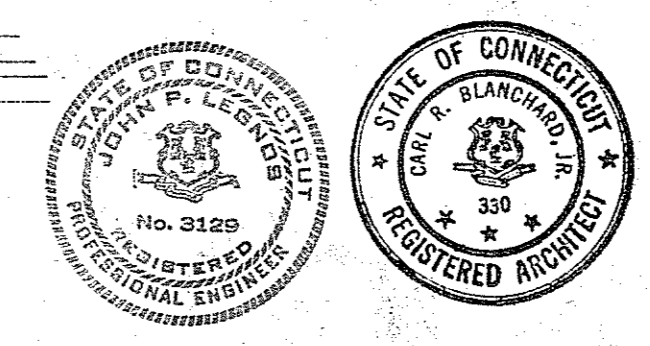
**WATER METER PIT AND PIPING DETAIL**  
 NO SCALE

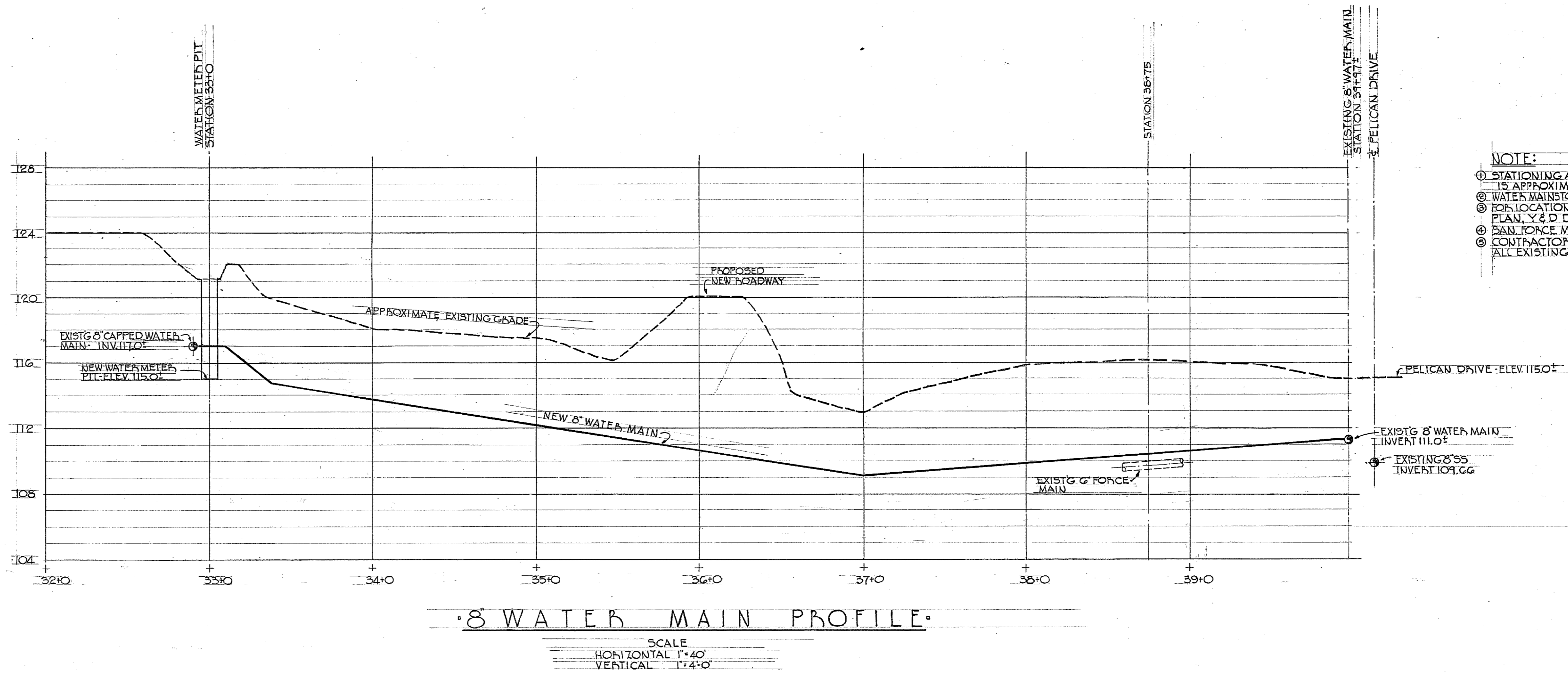
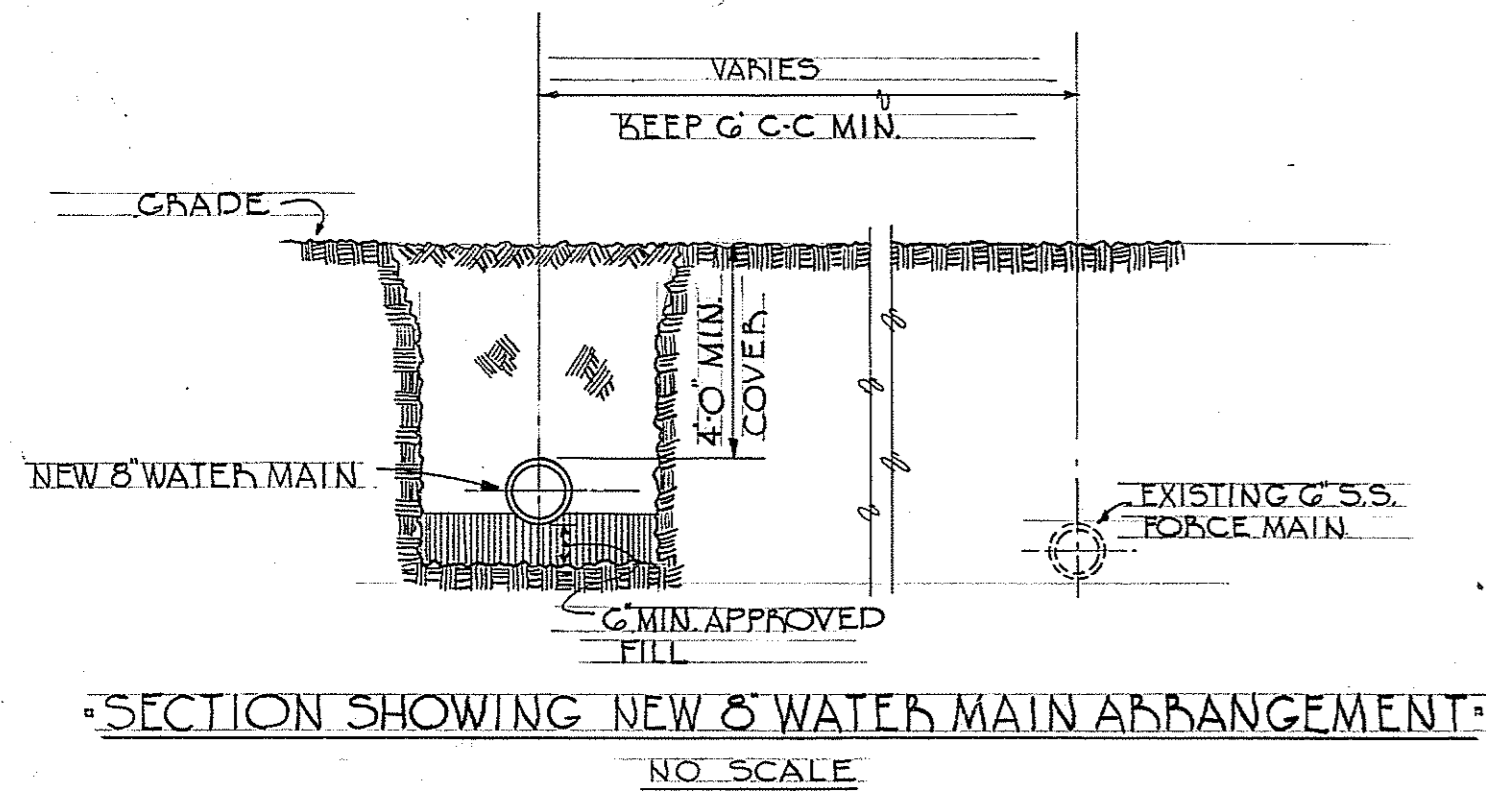


**NOTE ON CHANGES**  
 1. NOTE LH VALVES IN WATER METER PIT AND PIPING DETAIL.  
 2. MOVE WATER METER PIT IN SITE PLAN.

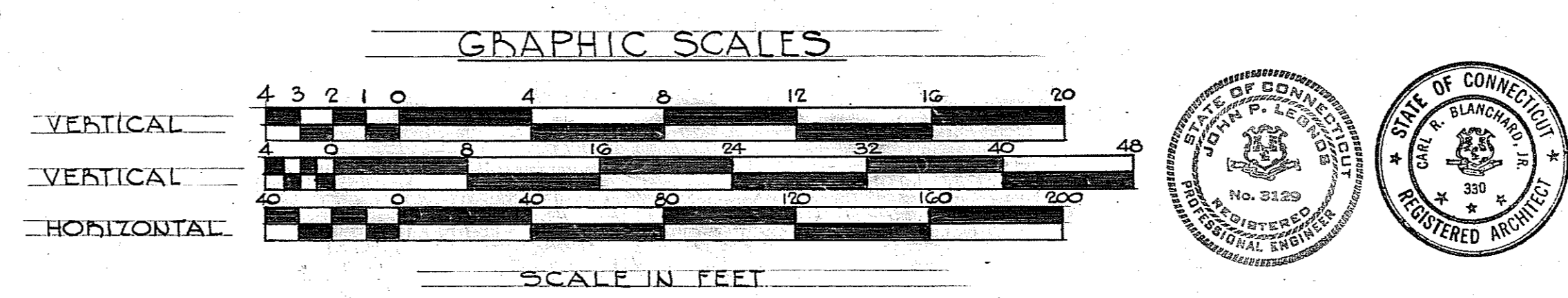
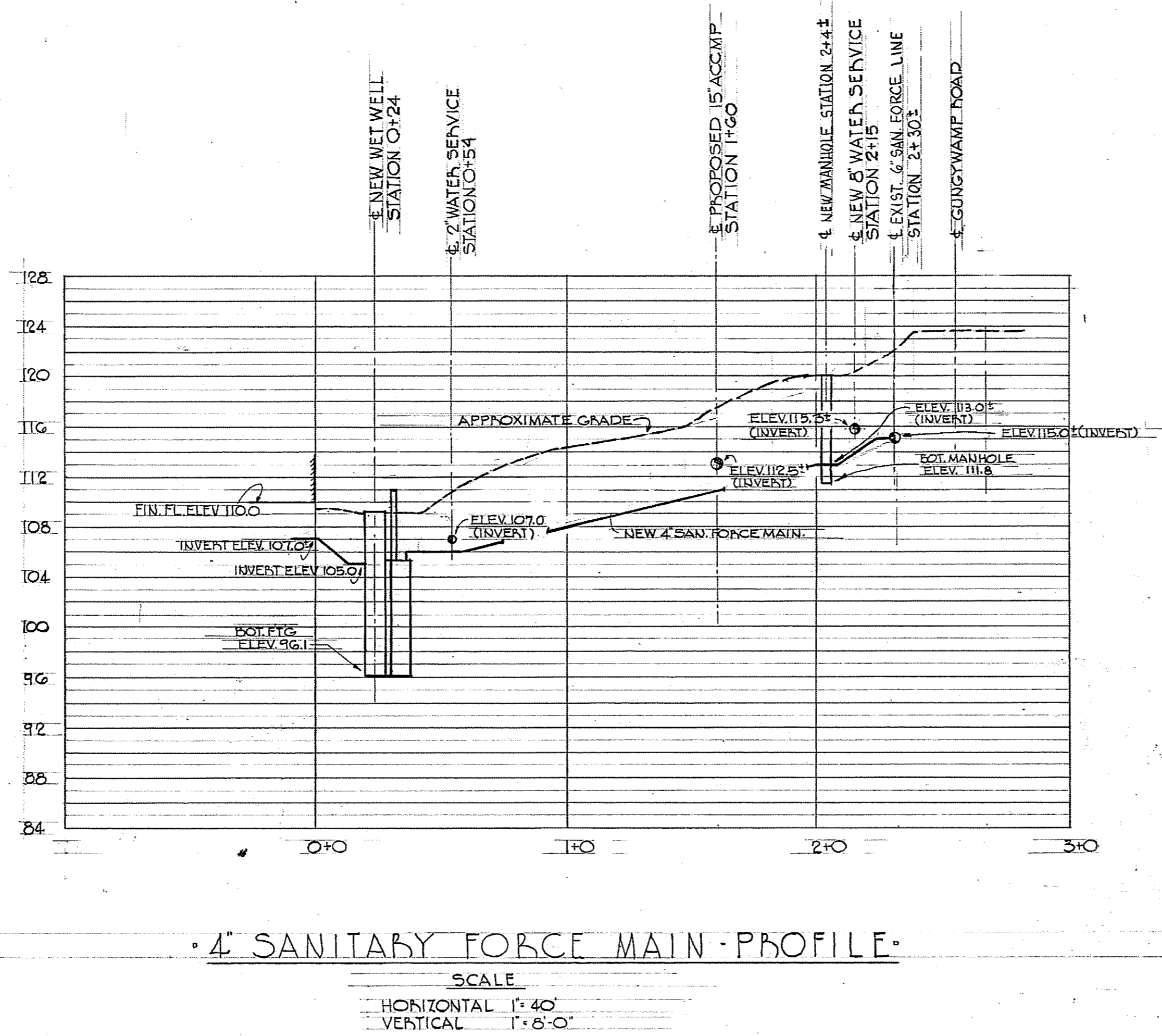
**MECHANICAL & ELECTRICAL SITE PLAN & DETAILS**

SITE AND DRAINAGE REVISIONS		DATE	APPR.
4	ADDED EXTERIOR LTG., F.A. BOX, SECTION	5/5/65	JLL
REVISIONS			
OFFICE OF CARL R. BLANCHARD, JR. ARCHITECTS NEW HAVEN, CONNECTICUT		DEPT. OF THE NAVY BUREAU OF YARDS & DOCKS DISTRICT PUBLIC WORKS OFFICE THIRD NAVAL DISTRICT NEW YORK, N.Y.	
DESIGNER: DR. S.B. CHURCH, R.T.P.		U.S. NAVAL SUBMARINE BASE - NEW LONDON - GROTON, CONNECTICUT	
SUPERVISOR: R.T.P. CH. ENGR. J.F.L.		CHapel & Religious Education Building	
SUBMITTED BY: [Signature]		DATE: 4-5-65	
DRAWN BY: [Signature]		DATE: 4/5/65	
MGR. [Signature]		DATE: 4/5/65	
APPROVED	DATE	CODE IDENT NO	SIZE
OFFICER IN CHARGE	80091	F	1082674
APPR. FOR BUDGET	DATE	SCALE	NOTED
DPWO FOR CHIEF OF BUREAU	4/16/65	SCALE	NOTED
SPEC 63823/65 REV		SHEET 20 OF 33	

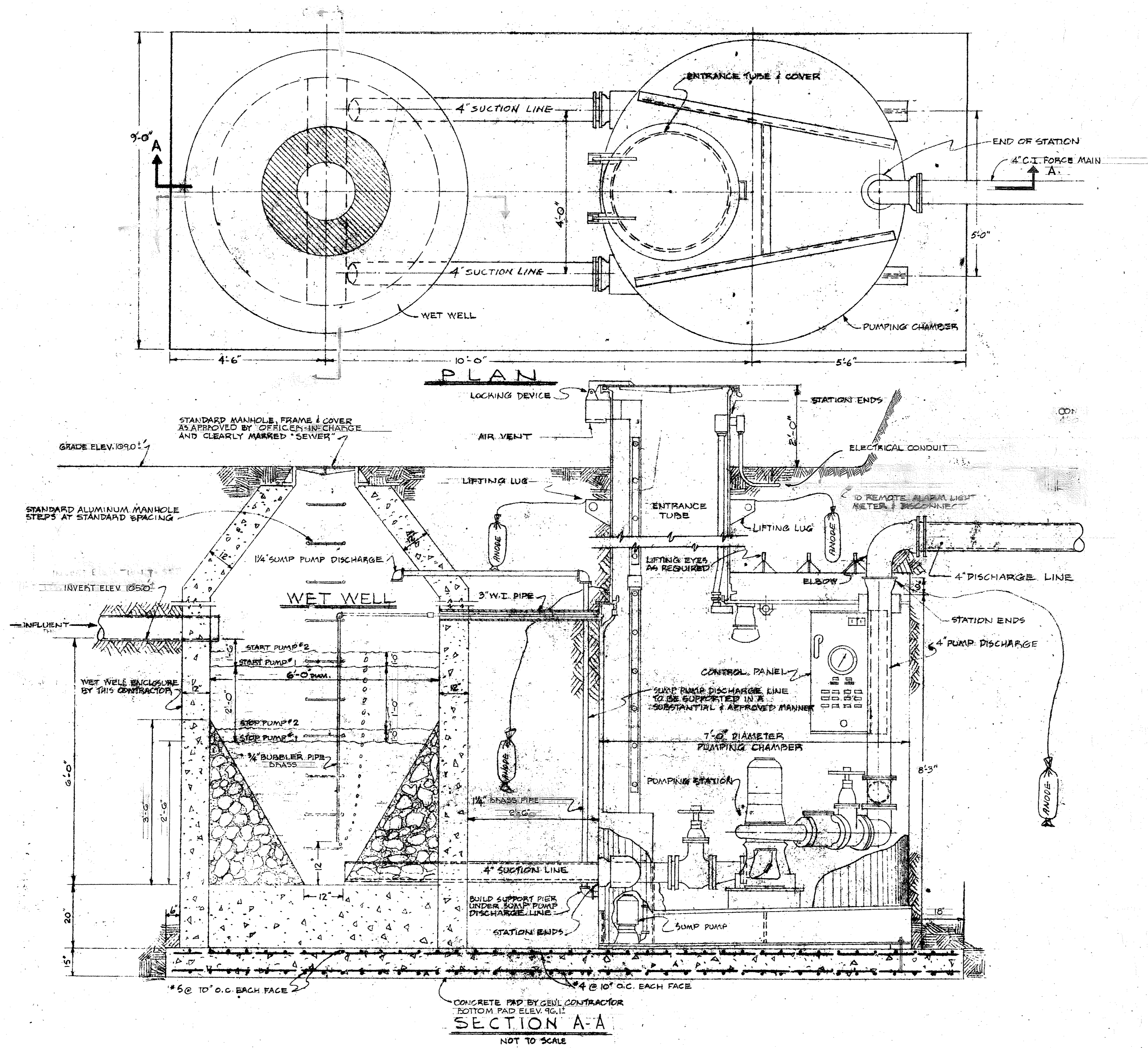




- NOTE:
- ① STATIONING ALONG WATER MAIN AND FORCE MAIN IS APPROXIMATE ONLY.
  - ② WATER MAINS TO HAVE MIN. OF 4'-0" COVER TO TOP OF PIPE.
  - ③ LOCATION OF WATER MAIN AND FORCE MAIN SEE PLAN, Y & D DRAWINGS N° 1082674.
  - ④ SAN. FORCE MAIN TO HAVE MIN. OF 3'-6" COVER TO TOP OF PIPE.
  - ⑤ CONTRACTOR SHALL VERIFY INVERT ELEVATIONS OF ALL EXISTING PIPING.



NO REVISIONS.		DATE APPR.	
SYMBOL	DESCRIPTION	REVISIONS	
OFFICE OF CARL R. BLANCHARD, JR. ARCHITECTS NEW HAVEN, CONNECTICUT	DEPT. OF THE NAVY BUREAU OF YARDS & DOCKS DISTRICT PUBLIC WORKS OFFICE THIRD NAVAL DISTRICT NEW YORK, N.Y.		
DES. RT. P. DIR. S. B. [CHK RT. P.] SUPV. RT. P. CH. ENGR. J. P. L.	U.S. NAVAL SUBMARINE BASE-NEW LONDON-GROTON, CONNECTICUT		
SUBMITTED BY [Signature] DATE 4.5.65	CHAPEL & RELIGIOUS EDUCATION BUILDING		
DPWO [Signature] MGR. [Signature]			
APPROVED [Signature]	DATE	CODE IDENT NO	SIZE
OFFICER IN CHARGE	80091	F	1082675
APPR. FOR BUDOCKS	DATE		331-D-409
DPWO FOR CHIEF OF BUREAU			NBY 63823
			SCALE AS NOTED SPEC 63823/65 REV. SHEET 21 OF 33



SEWAGE PUMPING STATION DETAILS

NO REVISIONS		DESCRIPTION	DATE	APPR.
SYMBOL		REVISIONS		
OFFICE OF CARL R. BLANCHARD, JR. ARCHITECTS NEW HAVEN, CONNECTICUT		DEPT. OF THE NAVY BUREAU OF YARDS & DOCKS DISTRICT PUBLIC WORKS OFFICE THIRD NAVAL DISTRICT NEW YORK, N.Y.		
DES. R.T.P. DR. S.B. CHK. R.T.P. SUPV. R.T.P. CH. ENGR. J.P.L.		U.S. NAVAL SUBMARINE BASE-NEW LONDON- GROTON, CONNECTICUT		
SUBMITTED BY DATE <i>[Signature]</i> 4-5-66		CHAPEL & RELIGIOUS EDUCATION BUILDING		
DPWO 3-10-66 MGR. P. MANNING R. ADIR 3-10-66				
APPROVED	DATE	CODE IDENT NO	SIZE	Y & D DRAWING NO
OFFICER IN CHARGE	DATE	80091	F	1082676
APPR. FOR BUDDOCKS	DATE			391-D-410
DPWO FOR CHIEF OF BUREAU	DATE			NBY 63823
		SCALE AS NOTED	SPEC 63823/45 REV	SHEET 22 OF 33

