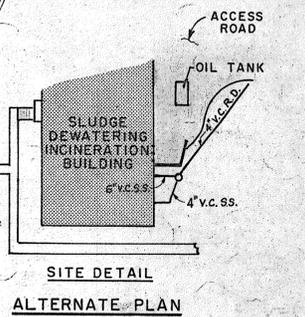


**LEGEND**

- ⊕ SOIL BORINGS
- BORINGS BY U.S. ARMY CORPS OF ENGINEERS
- ⊕ OBSERVATION WELL BORINGS
- ⊕ CHAMBER DESIGNATION
- P.P.D-PLANT RETURN DRAIN

STRUCTURE	ELEV. REMOVED TO
ELUTRIATION TANK	106.0
PUMPING STATION	104.0
OLD IMOFF TANK	104.0
VENTURI CHAMBER	104.0
COMMINUTORS	104.0
GRIT CHAMBERS	104.0
EXIST. TIDAL STORM DRAIN STRUCTURE	99.5
OVER FLOW CHAMBER	104.0
CHAMBERS A THRU G	104.0

STA 5+7 IS A STREET PIN SET FLUSH IN THE END OF THE SIDE WALK ON THE EAST OF ELM ST AT ITS INTERSECTION WITH BIRDSEY AVE. ELEV. 98.7 M.S.L. OR 109.87 FOR CONSTRUCTION DATUM



**NOTES:**

1. VERTICAL DATUM IS MEAN SEA LEVEL TOWN OF STRATFORD +100.00
2. THE TRENCH EXCAVATION AND BACKFILL DETAIL IS AS SHOWN ON DWG #15
3. FOR TIDAL OUTFALL STRUCTURE DETAILS SEE DWG. NO. 8
4. ALL AREAS WITHIN THE PROJECT LIMITS DISTURBED BY CONSTRUCTION SHALL BE TOPSOILED, FERTILIZED AND SEEDED OR RECONSTRUCTED TO THEIR ORIGINAL CONDITION UNLESS OTHERWISE SPECIFIED OR DIRECTED BY THE ENGINEER
5. METAL CULVERT ENDS SHALL CONFORM TO CONN. STD. NO. 221-J
6. ALL TREES ON THIS SITE SHALL BE REMOVED BY THE CONTRACTOR, EXCEPT AS NOTED OR AS DIRECTED BY THE OWNER
7. EXISTING TREES, SHRUBS AND BUSHES TO REMAIN SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION (SEE SPECIFICATIONS)
8. ALL WATER PIPING INSTALLED SHALL HAVE 4" COVER
9. FOR BORING LOGS SEE SPECIFICATIONS
10. FOR ELECTRICAL SITE PLAN SEE DWG. NO.
11. FOR PROCESS PIPING PLAN SEE DWG. NO.
12. FOR ROADWAY CONSTRUCTION SEE DWG. NO. 3
13. FOR STORM MANHOLE DETAIL SEE DWG. NO. 8
14. FOR LANDSCAPING PLAN SEE DWG. NO. 5
15. FOR RIPRAP CHANNEL DETAIL SEE DWG. NO. 8
16. FOR LEGEND SEE DWG. NO. 2
17. TYPE "C" CATCH BASINS SHALL CONFORM TO TOWN OF STRATFORD DWG. NO. 500 30 3 SEE SPECIFICATIONS
18. LIMIT OF TIDAL OUTFALL CHANNEL TO BE DETERMINED DURING CONSTRUCTION BY THE ENGINEER
19. FOR LOCATION OF FUEL TANKS & STEAM LINES SEE DWG. NO.
20. FOR SANITARY MANHOLE DETAIL SEE DWG. NO. 8
21. FOR TYPE "C" & "CL" (SPECIAL) DETAIL SEE DWG. NO. 9
22. PAVED DITCH SHALL CONFORM TO CONN. STD. DWG. NO. 222-B

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE

DRAWN: A. J. JALINSKAS    DESIGNED: A. T. STUMBERS  
 CHECKED: R. D. TONG    APPROVED: O. E. JOHNSON  
 DATE: AUGUST 1970

CHARLES A. MAGUIRE & ASSOCIATES  
 ENGINEERS  
 PROVIDENCE, R.I.    WETHERSFIELD, CONN.    BOSTON, MASS.

APPROVED

TOWN OF STRATFORD

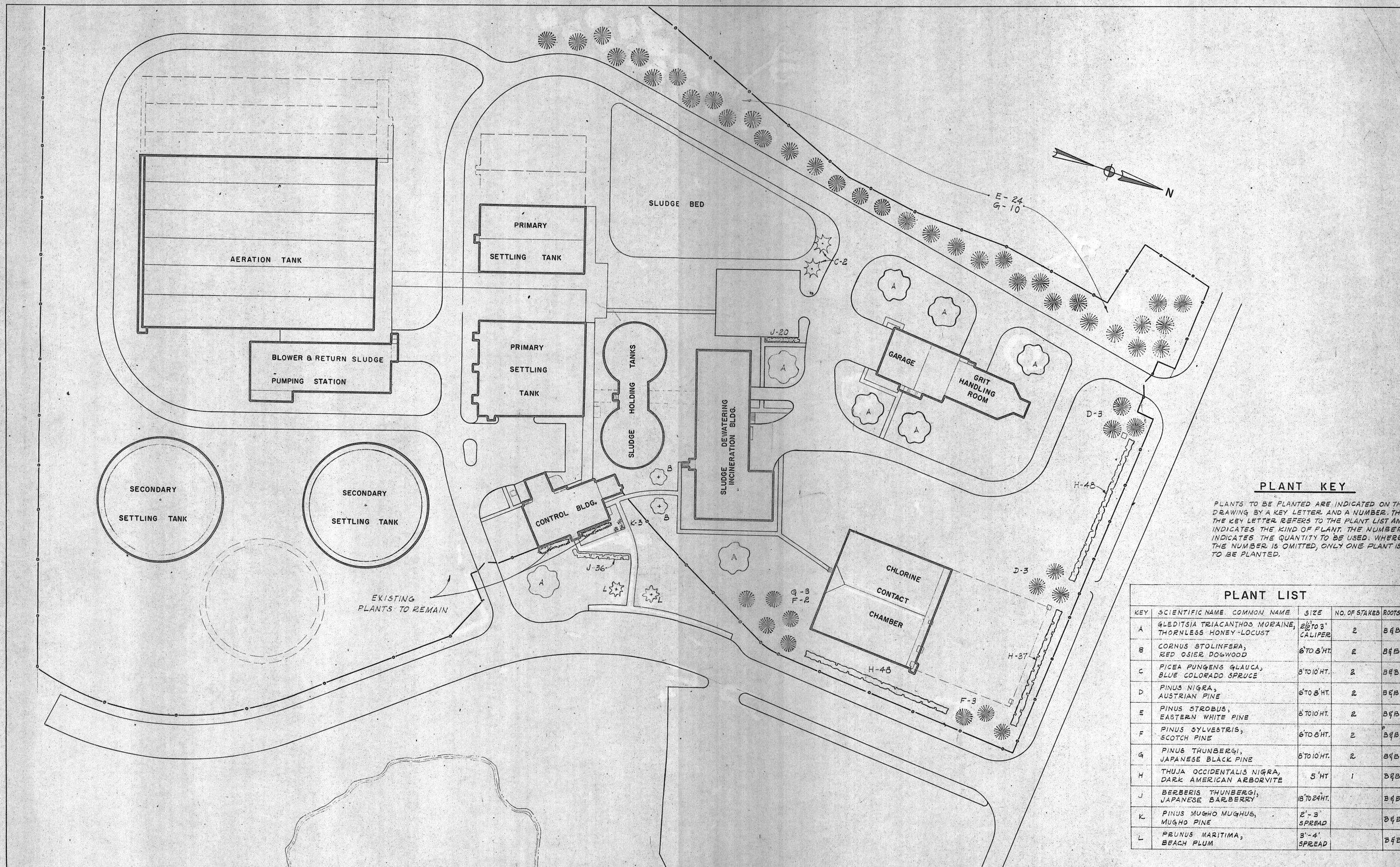
TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2

GENERAL  
 SITE GRADING, DRAINAGE AND  
 BORING LOCATIONS

SCALE  
 1" = 40'

C.A.M. NO. 1165

DRAWING NO.  
**4**



**PLANT KEY**

PLANTS TO BE PLANTED ARE INDICATED ON THE DRAWING BY A KEY LETTER AND A NUMBER. THE KEY LETTER REFERS TO THE PLANT LIST AND INDICATES THE KIND OF PLANT. THE NUMBER INDICATES THE QUANTITY TO BE USED. WHERE THE NUMBER IS OMITTED, ONLY ONE PLANT IS TO BE PLANTED.

**PLANT LIST**

KEY	SCIENTIFIC NAME	COMMON NAME	SIZE	NO. OF STAKES	ROOTS
A	GLEDITSIA TRIACANTHOS	MORAINES THORNLESS HONEY-LOCUST	2 1/2" TO 3" CALIPER	2	B & B
B	CORNUS STOLINIFERA	RED OSIER DOGWOOD	6" TO 8" HT.	2	B & B
C	PICEA PUNGENS GLAUCA	BLUE COLORADO SPRUCE	8" TO 10" HT.	2	B & B
D	PINUS NIGRA	AUSTRIAN PINE	6" TO 8" HT.	2	B & B
E	PINUS STROBUS	EASTERN WHITE PINE	8" TO 10" HT.	2	B & B
F	PINUS SYLVESTRIS	SCOTCH PINE	6" TO 8" HT.	2	B & B
G	PINUS THUNBERGI	JAPANESE BLACK PINE	8" TO 10" HT.	2	B & B
H	THUJA OCCIDENTALIS NIGRA	DARK AMERICAN ARBORVITE	5' HT.	1	B & B
J	BERBERIS THUNBERGI	JAPANESE BARBERY	18" TO 24" HT.		B & B
K	PINUS MUGHU MUGHU	MUGHU PINE	2'-3' SPREAD		B & B
L	PRUNUS MARITIMA	BEACH PLUM	3'-4' SPREAD		B & B

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE

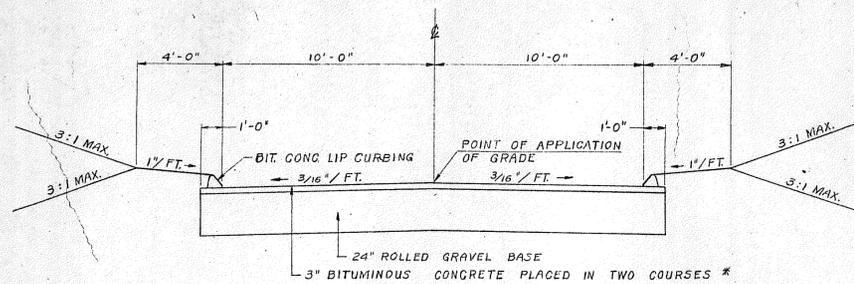
DRAWN: W. ROUTE      DESIGNED: W. SCHWANER  
 CHECKED: W. SCHWANER      APPROVED: P. T. CARVER  
 DATE: AUGUST, 1970

**CHARLES A. MAGUIRE & ASSOCIATES**  
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 PROVIDENCE, R.I.      WETHERSFIELD, CONN.      BOSTON, MASS.

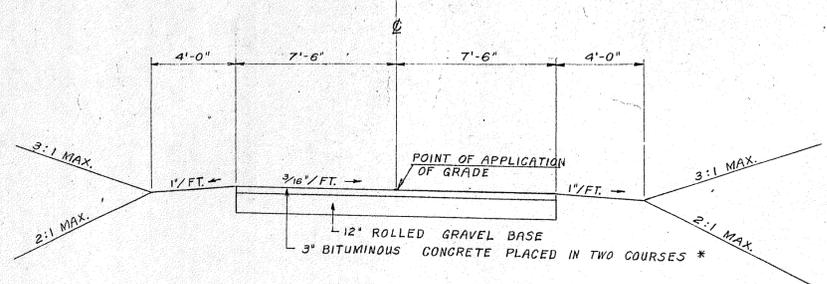
TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2  
 GENERAL  
**LANDSCAPING PLAN**

SCALE  
 1" = 40'  
 C.A.M. NO. 1165  
 DRAWING NO.  
**5**

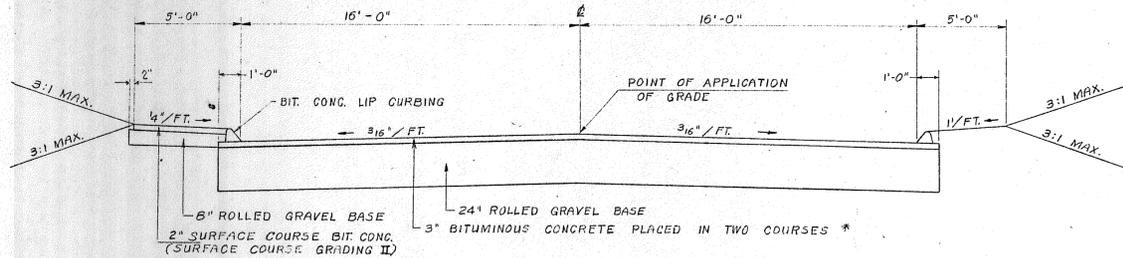
\* CONSISTING OF 1 1/2" BIT. CONC. (SURFACE COURSE GRADING I AND 1 1/2" OF BIT. CONC. BINDER COURSE.)



**TYPICAL SECTION  
NORTH ROAD**  
SCALE 1/4" = 1'-0"

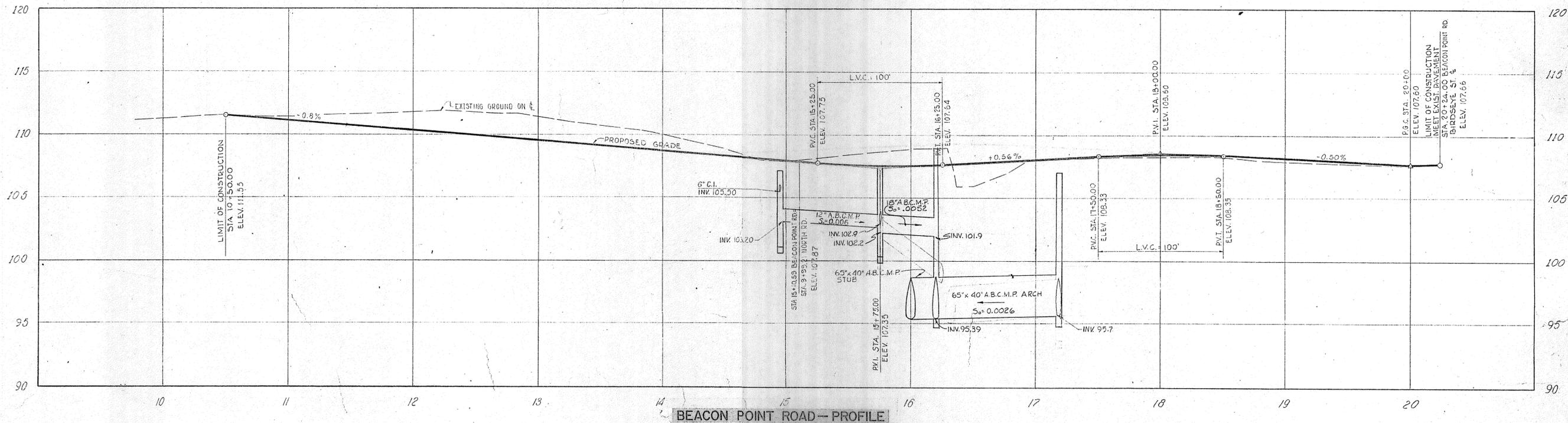


**TYPICAL SECTION  
SOUTH ROAD**  
SCALE 1/4" = 1'-0"



**TYPICAL SECTION  
BEACON POINT ROAD**  
SCALE 1/4" = 1'-0"

NOTE:  
FOR BITUMINOUS CONCRETE LIP CURBING SEE TOWN OF STRATFORD STD. DWG. NO.



**BEACON POINT ROAD - PROFILE**

SCALE: HORIZ. 1" = 40'  
VERT. 1" = 4'

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE



DRAWN: A. DEBOER      DESIGNED: A. T. STUMBERS  
 CHECKED: R. D. TONG      APPROVED: O. E. JOHNSON  
 DATE: AUGUST 1970  
**CHARLES A. MAGUIRE & ASSOCIATES**  
 ENGINEERS  
 PROVIDENCE, R.I.      WETHERSFIELD, CONN.      BOSTON, MASS.

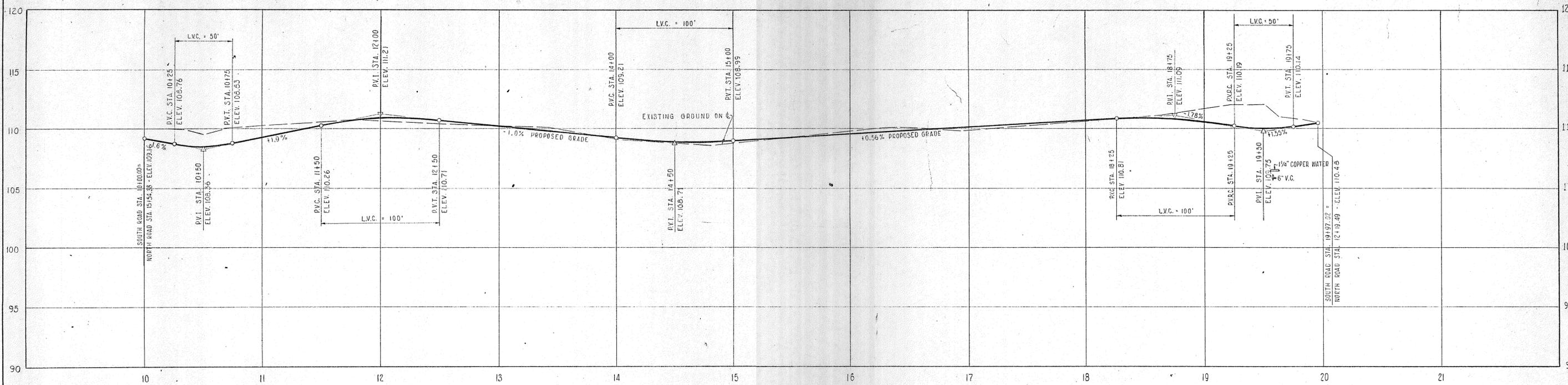
APPROVED

TOWN OF STRATFORD

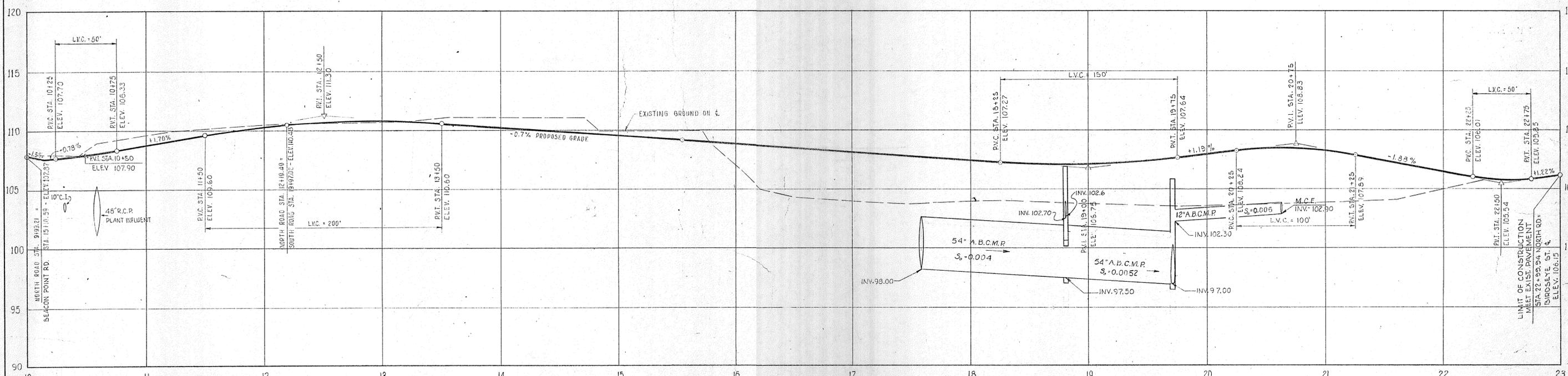
TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2

GENERAL  
 GENERAL DETAILS AND  
 ROADWAY PROFILE

SCALE  
 AS NOTED  
 C.A.M. No. 1165  
 DRAWING NO.  
**6**



**SOUTH ROAD - PROFILE**



**NORTH ROAD - PROFILE**

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE



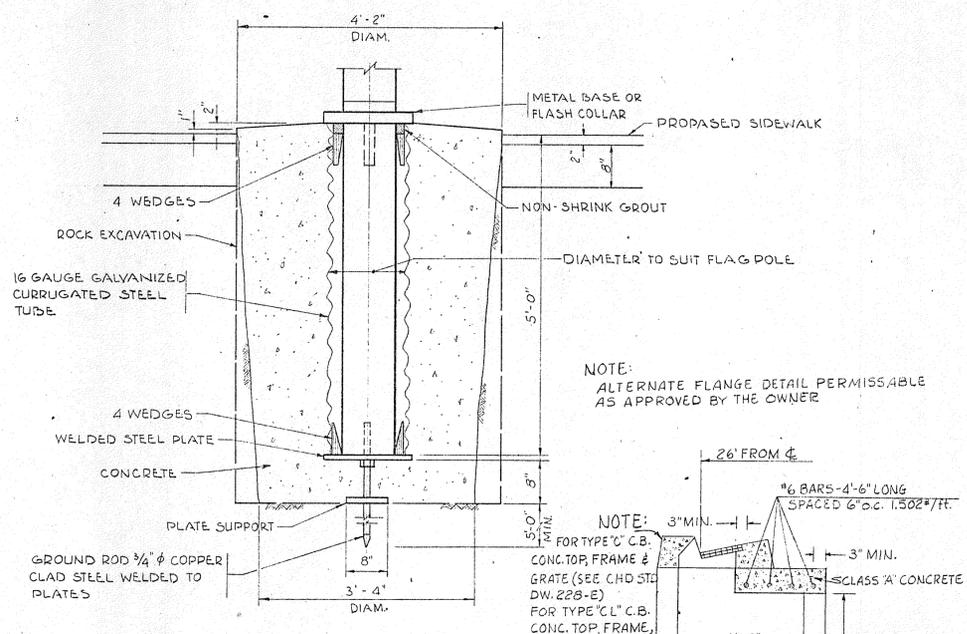
DRAWN: J. TERRY      DESIGNED: A.T. STUMBERS  
 CHECKED: R.D. TONG      APPROVED: O.E. JOHNSON  
 DATE: AUGUST 1970  
**CHARLES A. MAGUIRE & ASSOCIATES**  
 ENGINEERS  
 PROVIDENCE, R.I.      WETHERSFIELD, CONN.      BOSTON, MASS.

APPROVED  
 TOWN OF STRATFORD

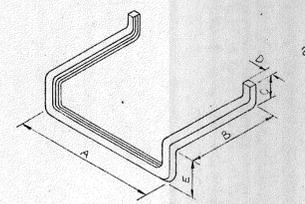
TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2  
 GENERAL  
**PROFILES**

SCALE  
 HORIZ. 1" = 40'  
 VERT. 1" = 4'  
 C.A.M. NO. 1165  
 DRAWING NO.  
**7**



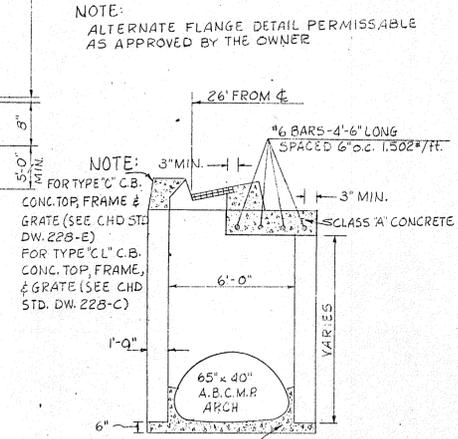


**FLAG POLE DETAIL**  
SCALE: 3/4"=1'-0"

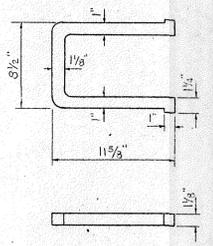


RING SIZE	PROJECTION FROM WALL	MAX. LOAD ON CROSS BAR	A	B	C	D	E
14 x 10	6"	1000 LBS.	14	10 3/4	2	13 1/8	3 3/4
	4"	1500 LBS.					

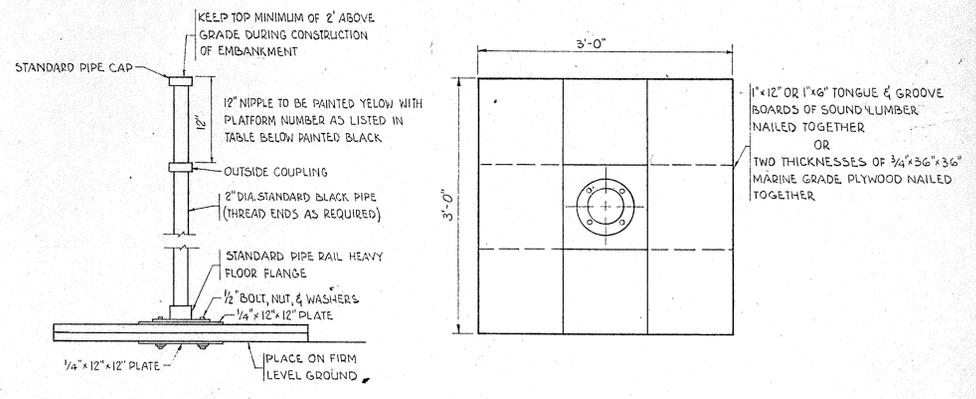
**ALUMINUM STEP DETAIL**  
NOT TO SCALE



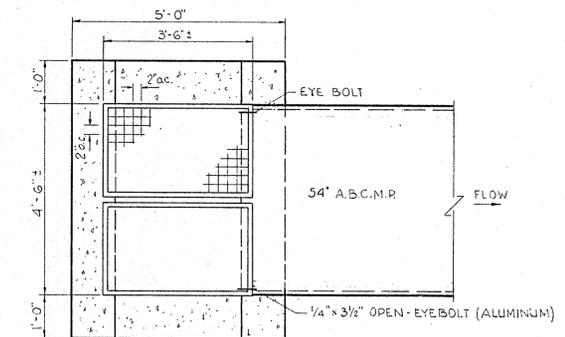
**SPECIAL CATCH BASIN DETAIL**  
NOT TO SCALE



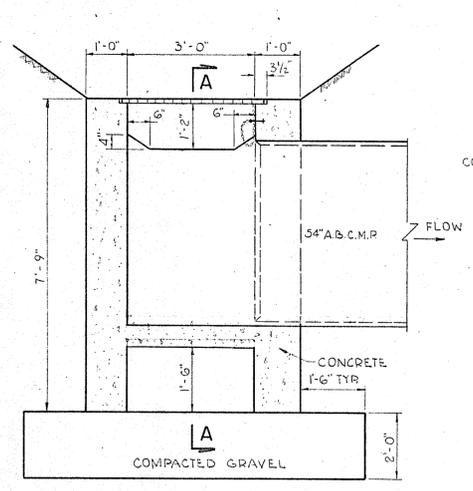
**CAST IRON STEP DETAIL**  
NOT TO SCALE



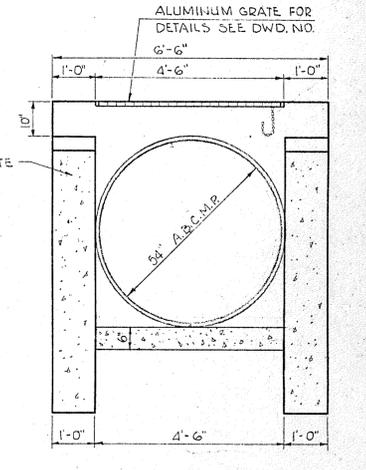
**SETTLEMENT PLATFORM DETAIL**  
NOT TO SCALE



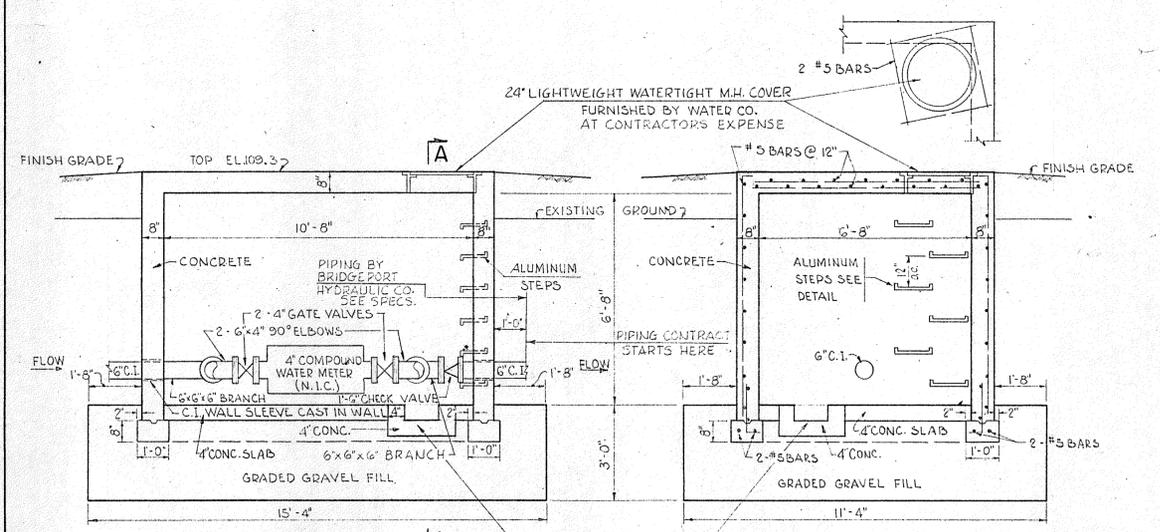
**PLAN**



**ELEVATION**



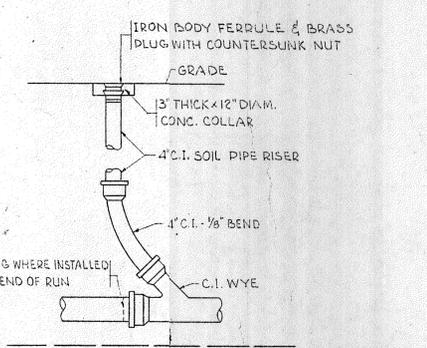
**SECTION A-A**



**ELEVATION**

**WATER METER PIT**

**SECTION A-A**



**CLEANOUT DETAIL**  
NOT TO SCALE

**TYPE "D-6" ENDWALL**  
NOT TO SCALE

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE



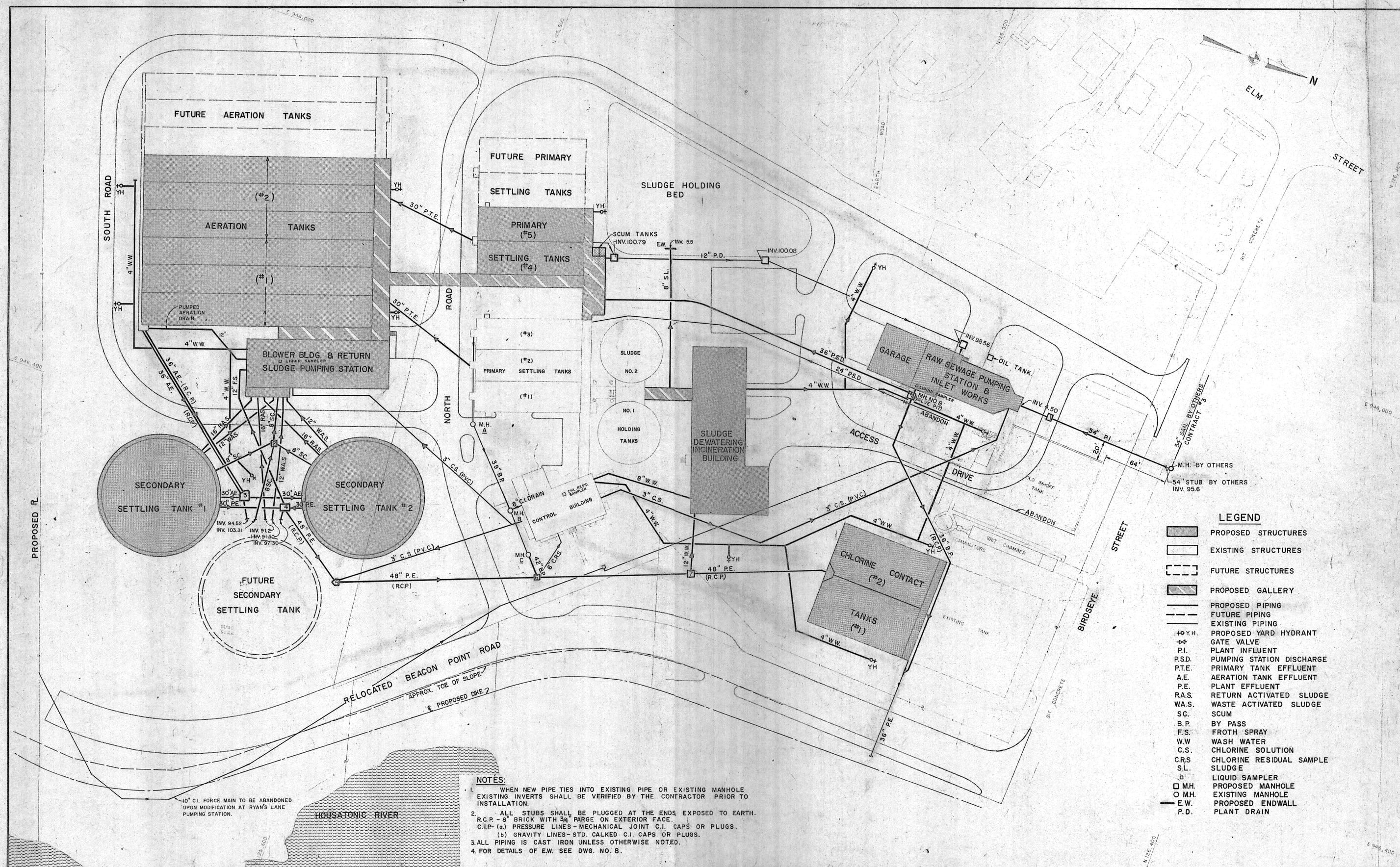
DRAWN: A. J. JALINSKAS DESIGNED: A. T. STUMBERS  
 CHECKED: R. D. TONG APPROVED: O. E. JOHNSON  
 DATE: AUGUST 1970  
 CHARLES A. MAGUIRE & ASSOCIATES ENGINEERS  
 PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.

APPROVED

TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2  
 GENERAL  
 GENERAL DETAILS - II

SCALE AS NOTED  
 C. A. M. NO. 1165  
 DRAWING NO. 9



- LEGEND**
- PROPOSED STRUCTURES
  - EXISTING STRUCTURES
  - FUTURE STRUCTURES
  - PROPOSED GALLERY
  - PROPOSED PIPING
  - FUTURE PIPING
  - EXISTING PIPING
  - PROPOSED YARD HYDRANT
  - GATE VALVE
  - P.I. PLANT INFLUENT
  - P.S.D. PUMPING STATION DISCHARGE
  - P.T.E. PRIMARY TANK EFFLUENT
  - A.E. AERATION TANK EFFLUENT
  - P.E. PLANT EFFLUENT
  - R.A.S. RETURN ACTIVATED SLUDGE
  - W.A.S. WASTE ACTIVATED SLUDGE
  - S.C. SCUM
  - B.P. BY PASS
  - F.S. FROTH SPRAY
  - W.W. WASH WATER
  - C.S. CHLORINE SOLUTION
  - C.R.S. CHLORINE RESIDUAL SAMPLE
  - S.L. SLUDGE
  - L.S. LIQUID SAMPLER
  - M.H. PROPOSED MANHOLE
  - O.M.H. EXISTING MANHOLE
  - E.W. PROPOSED ENDWALL
  - P.D. PLANT DRAIN

- NOTES:**
1. WHEN NEW PIPE TIES INTO EXISTING PIPE OR EXISTING MANHOLE EXISTING INVERTS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO INSTALLATION.
  2. ALL STUBS SHALL BE PLUGGED AT THE ENDS EXPOSED TO EARTH. R.C.P. - 8" BRICK WITH 3/4" PARGE ON EXTERIOR FACE. C.I.P. - (a) PRESSURE LINES - MECHANICAL JOINT C.I. CAPS OR PLUGS. (b) GRAVITY LINES - STD. CALKED C.I. CAPS OR PLUGS.
  3. ALL PIPING IS CAST IRON UNLESS OTHERWISE NOTED.
  4. FOR DETAILS OF E.W. SEE DWG. NO. 8.

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE

DRAWN: P.Z. JUTRAS      DESIGNED: R.I. JEPSON  
 CHECKED: R.D. TONG      APPROVED: O.E. JOHNSON  
 DATE: AUGUST, 1970

**CHARLES A. MAGUIRE & ASSOCIATES**  
ENGINEERS

PROVIDENCE, R.I.    WETHERSFIELD, CONN.    BOSTON, MASS.

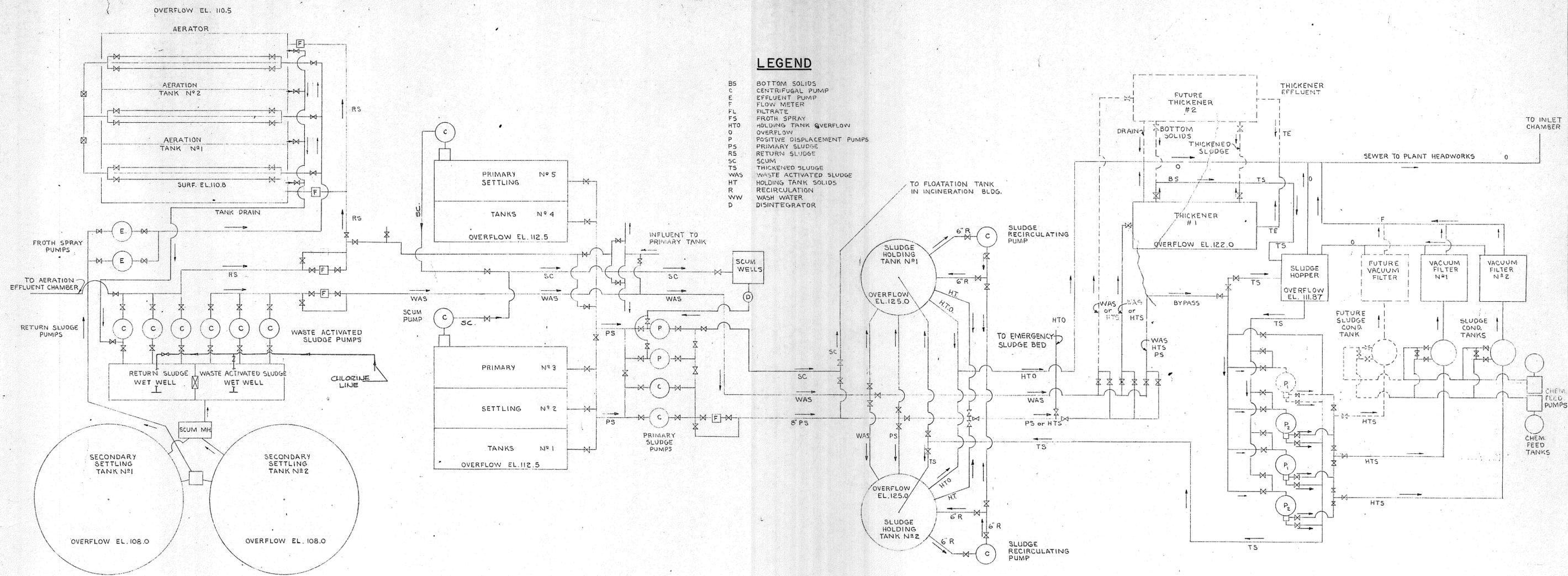
APPROVED \_\_\_\_\_  
TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2

GENERAL  
**YARD PIPING**

SCALE  
1" = 40'  
C.A.M. NO. 1165  
DRAWING NO.  
**10**





**LEGEND**

- BS BOTTOM SOLIDS
- C CENTRIFUGAL PUMP
- E EFFLUENT PUMP
- F FLOW METER
- FL FILTRATE
- FS FROTH SPRAY
- HTO HOLDING TANK OVERFLOW
- O OVERFLOW
- P POSITIVE DISPLACEMENT PUMPS
- PS PRIMARY SLUDGE
- RS RETURN SLUDGE
- SC SCUM
- TS THICKENED SLUDGE
- WAS WASTE ACTIVATED SLUDGE
- HT HOLDING TANK SOLIDS
- R RECIRCULATION
- WW WASH WATER
- D DISINTEGRATOR

**SLUDGE PROCESS PIPING SCHEMATIC**  
NO SCALE

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE



DRAWN: V. BREWER      DESIGNED: H. CAMPBELL  
 CHECKED: H. CAMPBELL      APPROVED: P. T. CARVER  
 DATE: AUGUST, 1970

CHARLES A. MAGUIRE & ASSOCIATES  
 ENGINEERS

PROVIDENCE, R.I.      WETHERFIELD, CONN.      BOSTON, MASS.

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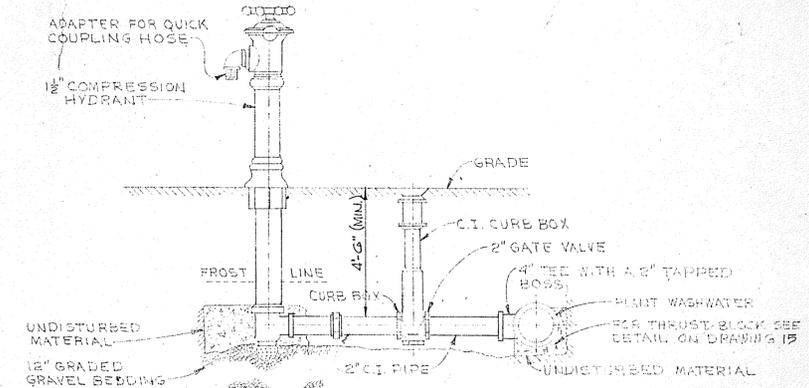
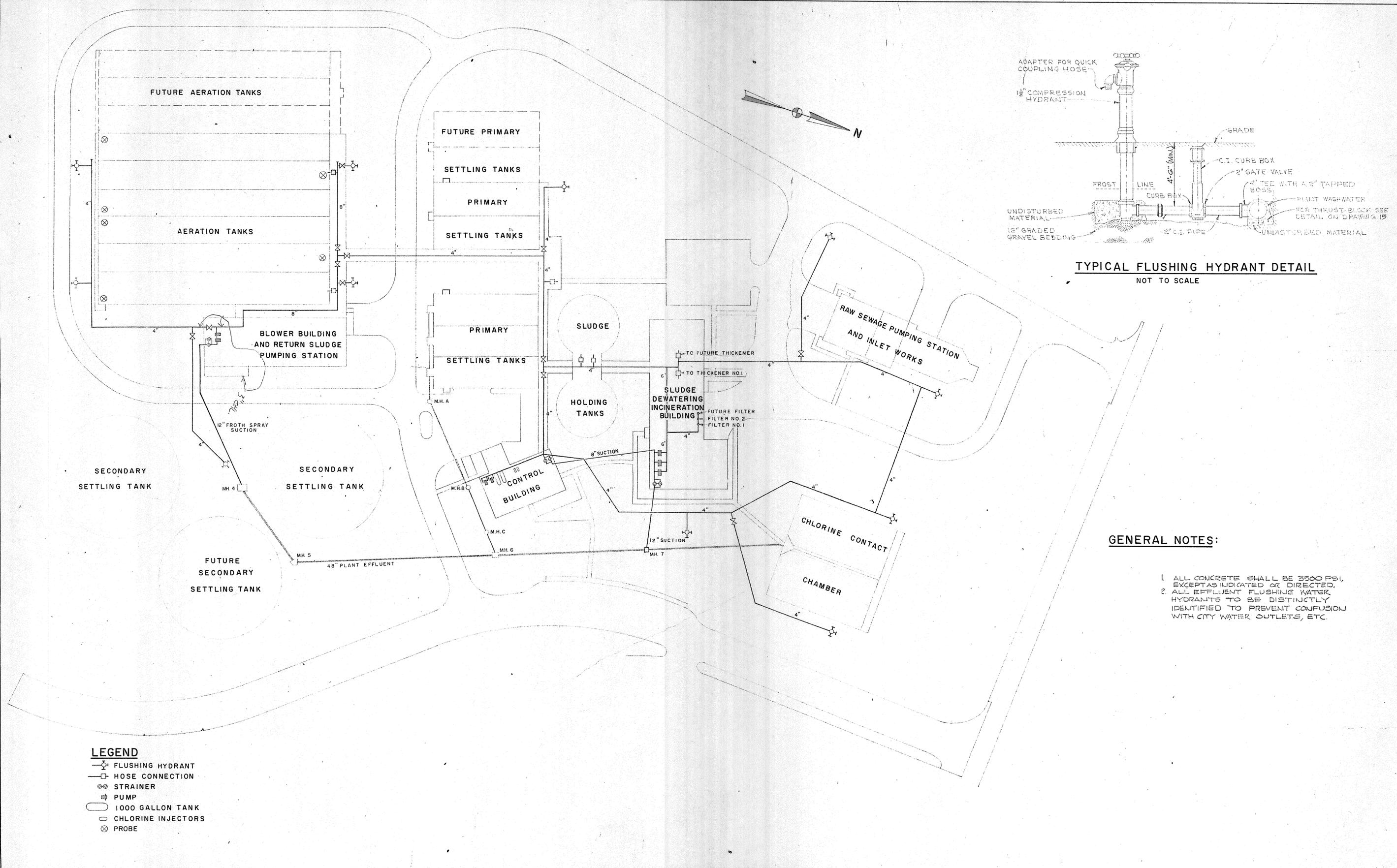
TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT  
 SYSTEM OF SEWERS  
 CONTRACT NO. 2  
 GENERAL  
 SLUDGE PROCESS PIPING SCHEMATIC

SCALE  
 NO SCALE

C. A. M. NO. 1165

DRAWING NO.  
 12



**TYPICAL FLUSHING HYDRANT DETAIL**  
NOT TO SCALE

**GENERAL NOTES:**

1. ALL CONCRETE SHALL BE 3500 PSI, EXCEPT AS INDICATED OR DIRECTED.
2. ALL EFFLUENT FLUSHING WATER HYDRANTS TO BE DISTINCTLY IDENTIFIED TO PREVENT CONFUSION WITH CITY WATER OUTLETS, ETC.

**LEGEND**

- ⊗ FLUSHING HYDRANT
- HOSE CONNECTION
- ⊘ STRAINER
- ⊞ PUMP
- 1000 GALLON TANK
- CHLORINE INJECTORS
- ⊗ PROBE

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE



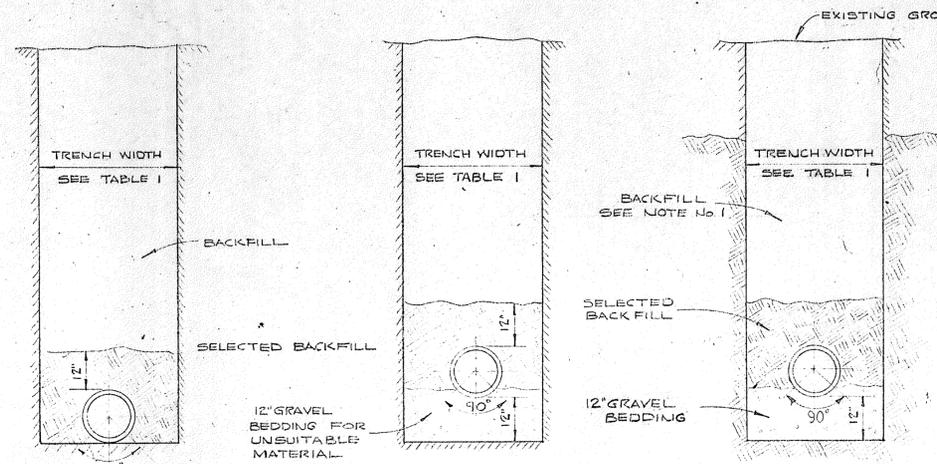
DRAWN: J.Y. PION      DESIGNED: H. CAMPBELL  
 CHECKED: H. CAMPBELL      APPROVED: P.T. CARVER  
 DATE: AUGUST, 1970  
**CHARLES A. MAGUIRE & ASSOCIATES**  
 ENGINEERS  
 PROVIDENCE, R.I.      WETHERSFIELD, CONN.      BOSTON, MASS.

APPROVED \_\_\_\_\_  
TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2  
 GENERAL  
**FLUSHING HYDRANT SYSTEM**  
 PLAN AND DETAILS

SCALE  
 1" = 40'  
 C.A.M. NO. 1165  
 DRAWING NO.  
**13**



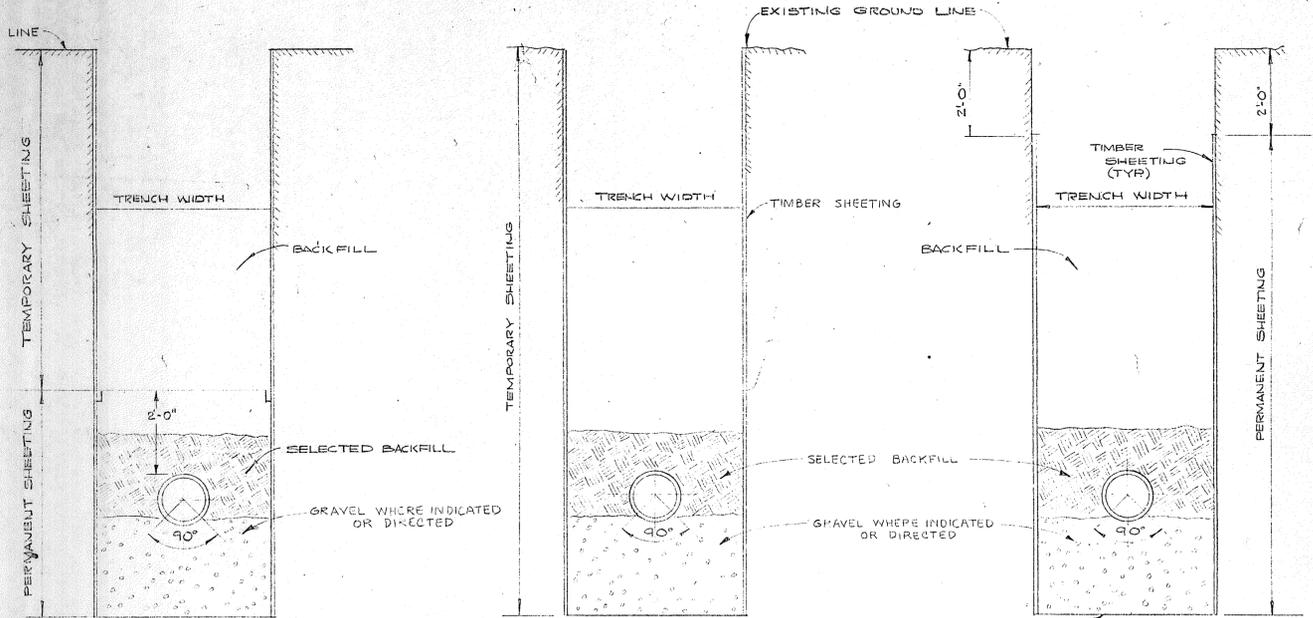


PIPE DIAMETER	TRENCH WIDTH
6"	2'-6"
8" - 12"	3'-0"
15" - 18"	3'-6"
24"	4'-6"
27"	5'-0"
30"	5'-6"
36"	6'-0"
42"	6'-6"
48"	7'-0"

**ORDINARY BEDDING**  
**GRAVEL BEDDING**  
**GRAVEL BEDDING**  
**ROCK TRENCH**

**EARTH TRENCH**

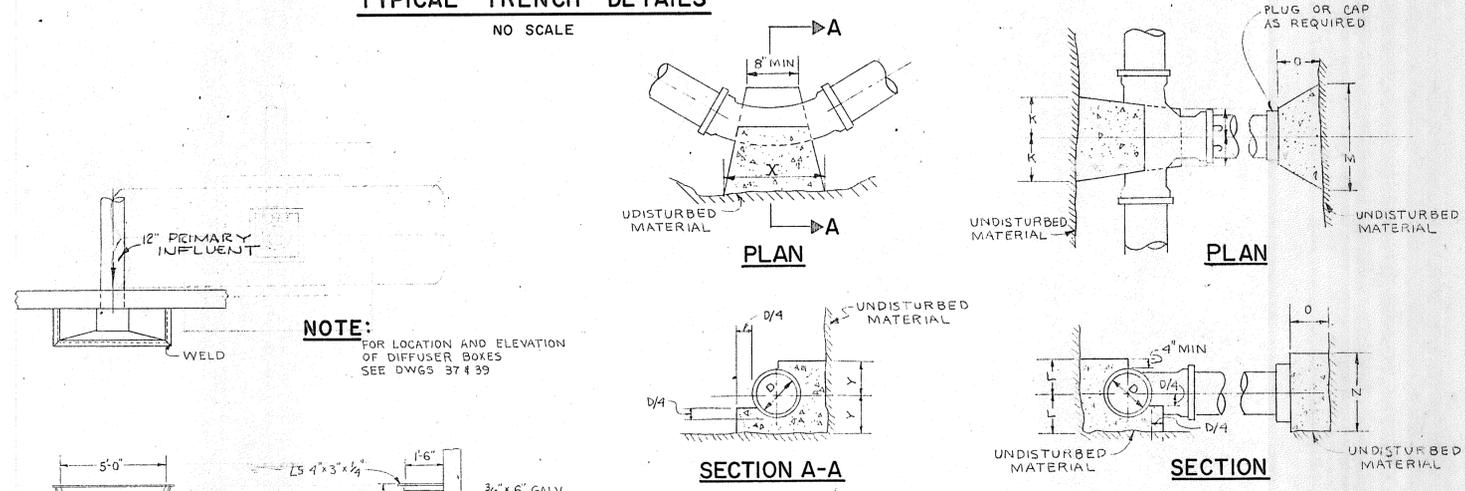
**TABLE I**



**TEMPORARY PARTIALLY REMOVED**  
**TEMPORARY COMPLETELY REMOVED**  
**PERMANENT**

**TYPICAL TRENCH DETAILS**

NO SCALE



**NOTE:**  
FOR LOCATION AND ELEVATION OF DIFFUSER BOXES SEE DWGS 374-39

**DIFFUSER BOX**

SCALE: 1/4" = 1'-0"

**THRUST BLOCK DETAILS**

NOT TO SCALE

BENDS & SIZE OF MAINS					
D	1/2 BEND	1/4 BEND	1/3 BEND	1/4 BEND	1/3 BEND
6"	8"	6"	8"	6"	8"
8"	10"	8"	10"	8"	10"
10"	12"	10"	12"	10"	12"

TEES - HYDRANT - BRANCHES - DEAD ENDS						
SIZE OF PIPE	K	J	L	M	N	O
6"	6"	6"	8"	1'-3"	11"	6"
8"	8"	8"	10"	1'-3"	1'-2"	8"

**TYPICAL SHEETING DETAILS**

NO SCALE

**SLUICE GATE SCHEDULE**

LOCATION	QUANTITY
AERATION TANKS	12
BLOWER BLDG. AND RETURN SLUDGE P.S.	1
CHLORINE CONTACT TANK	7
MISCELLANEOUS STRUCTURES (M.H.)	8
MODIFIED PRIMARY SETTLING TANKS	1
RAW SEWAGE P.S. AND INLET WORKS	1

**SLIDE GATE SCHEDULE**

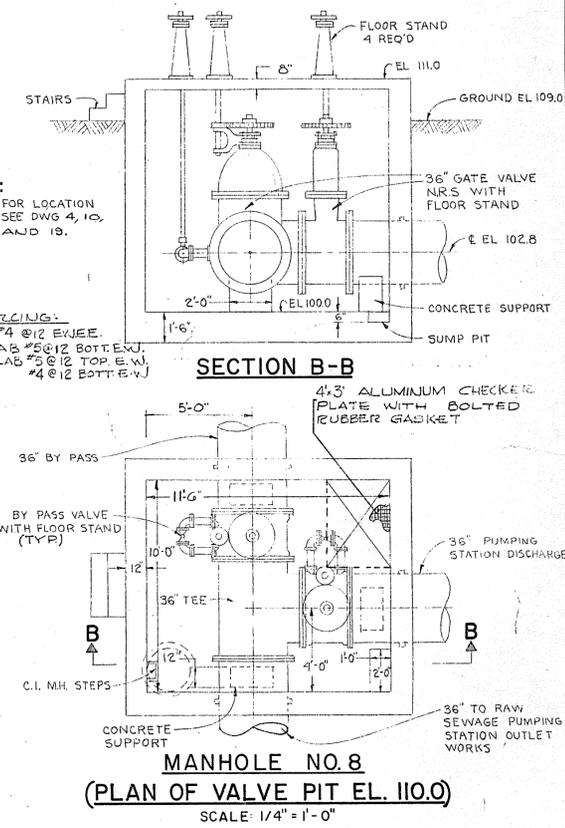
LOCATION	QUANTITY
RAW SEWAGE P.S. AND INLET WORKS	12
AERATION TANKS	32

**NOTES:**

- THREE TYPES OF ALUMINUM SLIDE GATES AND FRAMES ARE SPECIFIED. THESE INCLUDE:
  - HANDWHEEL OPERATED FABRICATED SLIDE GATES WITH GUIDES EMBEDDED IN CONCRETE.
  - HANDWHEEL OPERATED SLIDE GATES WITH GUIDES MOUNTED ON CONCRETE.
  - HANDLIFTED FABRICATED SLIDE GATES WITH GUIDES EMBEDDED IN CONCRETE.
 ALL MUST PROVIDE FOR FLUSH BOTTOM CLOSURE. MANUFACTURER MUST REFER TO DRAWINGS TO ESTABLISH TYPE USED.
- HEIGHT AND LENGTH OF SLIDE GATES AND FRAMES MUST BE DETERMINED BY MANUFACTURER TO SUIT EACH INDIVIDUAL STRUCTURE.

**NOTE:**  
FOR LOCATION SEE DWG 4, 10, AND 18.

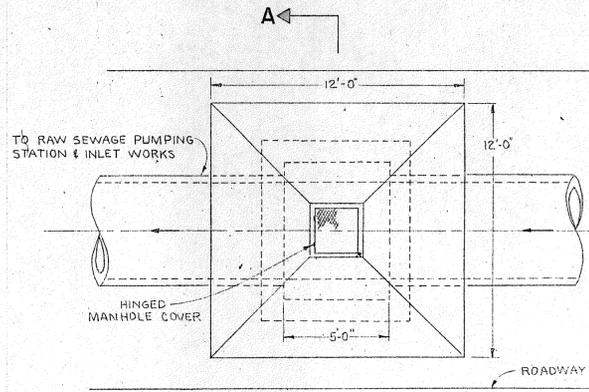
**REINFORCING:**  
WALLS #4 @ 12" E.V.J.  
TOP SLAB #5 @ 12" BOTTL. E.V.J.  
BOT. SLAB #3 @ 12" TOP E.V.J.  
#4 @ 12" BOTTL. E.V.J.



**MANHOLE NO. 8**  
**(PLAN OF VALVE PIT EL. 110.0)**

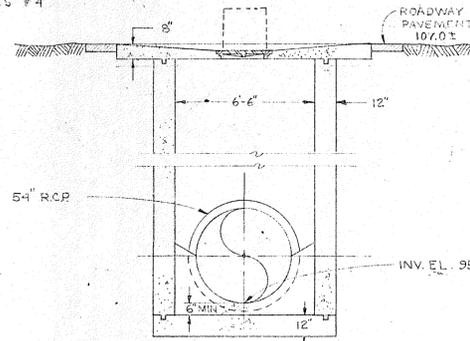
SCALE: 1/4" = 1'-0"

								DRAWN: P. ZAWADZKI DESIGNED: H. CAMPBELL CHECKED: H. CAMPBELL APPROVED: P.T. CARVER DATE: AUGUST, 1970				TOWN OF STRATFORD, CONNECTICUT SYSTEM OF SEWERS CONTRACT NO. 2				SCALE AS NOTED C.A.M. NO. 1165			
								CHARLES A. MAGUIRE & ASSOCIATES ENGINEERS PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.				APPROVED TOWN OF STRATFORD				GENERAL MISCELLANEOUS DETAILS I		DRAWING NO. <b>15</b>	
REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE

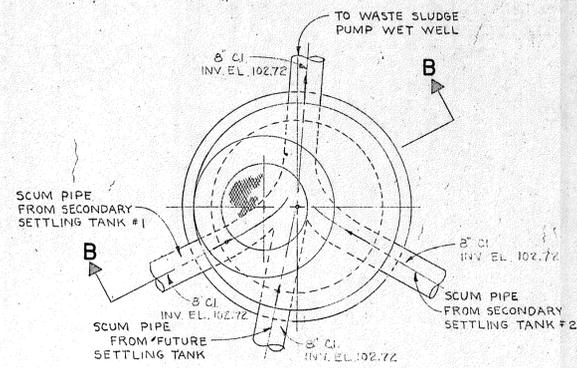


**PLAN**

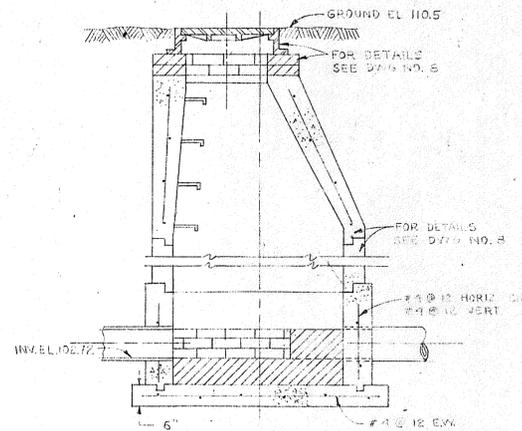
**NOTE:**  
TOP SLAB #6 @ 12 E.V. BOTTOM  
WALL AND BOTTOM SLAB REINFORCED  
SEE MANHOLES #4



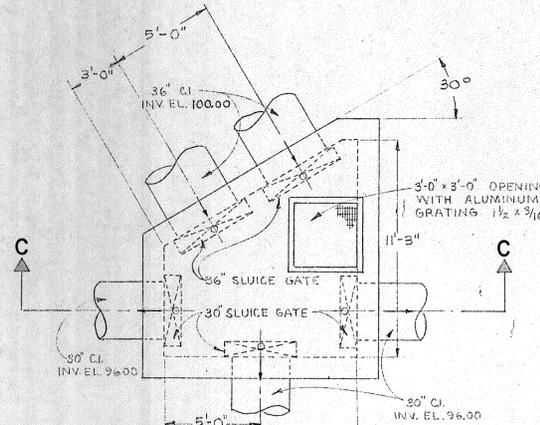
**SECTION A-A  
MANHOLE NO. 1  
SCALE: 1/4" = 1'-0"**



**PLAN**

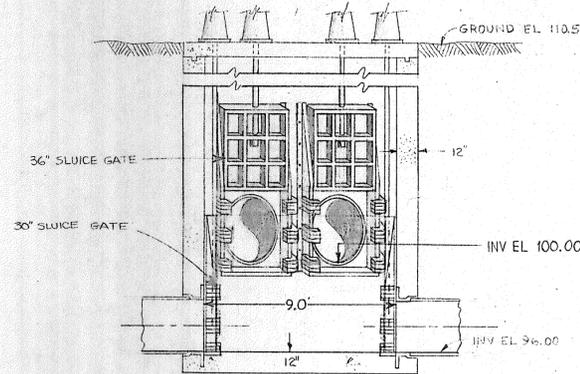


**SECTION B-B  
MANHOLE NO. 2  
SCALE: 1/2" = 1'-0"**

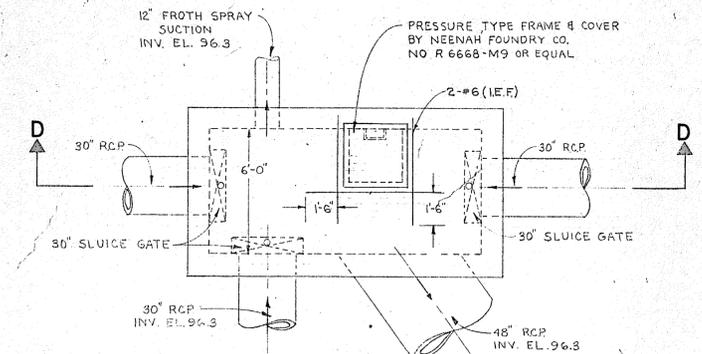


**PLAN**

**NOTE:**  
FOR REINFORCING  
SEE MANHOLE #4

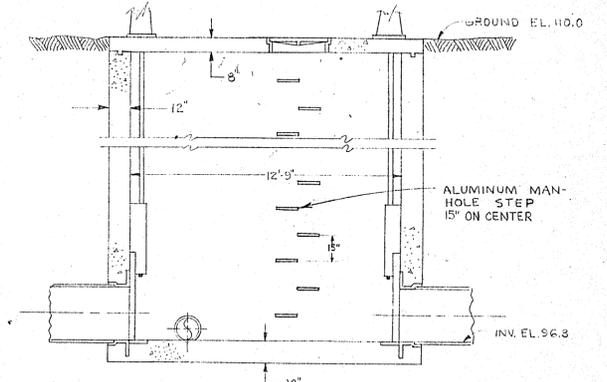


**SECTION C-C  
MANHOLE NO. 3  
SCALE: 1/4" = 1'-0"**

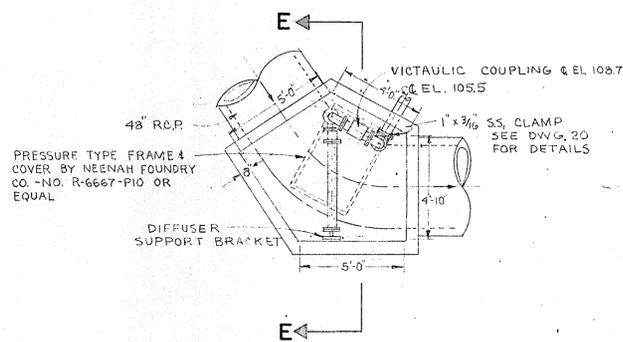


**PLAN**

**NOTE:**  
REINFORCING  
WALLS #4 @ 12 E.W.  
TOP SLAB #5 @ 12 BOT. E.V.  
BOT. SLAB #5 @ 12 TOP E.V.  
#4 @ 12 BOT. E.W.

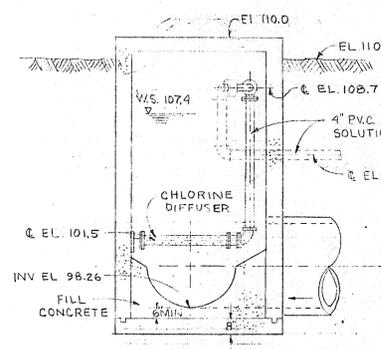


**SECTION D-D  
MANHOLE NO. 4  
SCALE: 1/4" = 1'-0"**

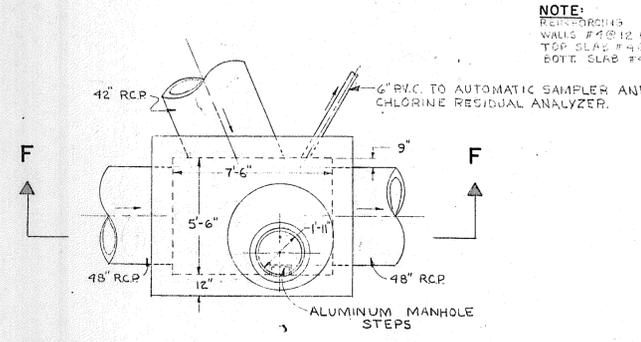


**PLAN**

**MANHOLE NO. 5  
SCALE: 1/4" = 1'-0"**

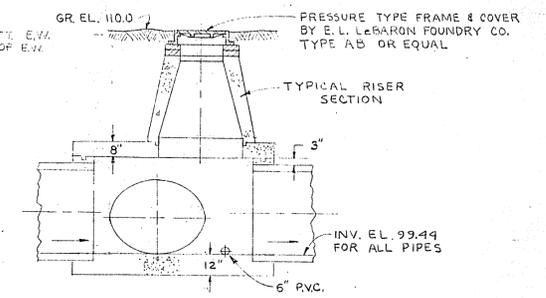


**SECTION E-E**



**PLAN**

**MANHOLE NO. 6  
SCALE: 1/4" = 1'-0"**



**SECTION F-F**

**NOTE:**  
REINFORCING  
WALLS #4 @ 12 E.W.  
TOP SLAB #4 @ 12 BOT. E.V.  
BOT. SLAB #4 @ 12 TOP E.V.

**NOTES:**  
1. FOR DETAILS OF  
MH #7 SEE DWG. 17  
2. FOR LOCATION OF  
MANHOLES SEE DWG.  
No. 10.

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE



DRAWN: P. ZAWADZKI DESIGNED: H. CAMPBELL  
CHECKED: H. CAMPBELL APPROVED: P.T. CARVER  
DATE: AUGUST, 1970

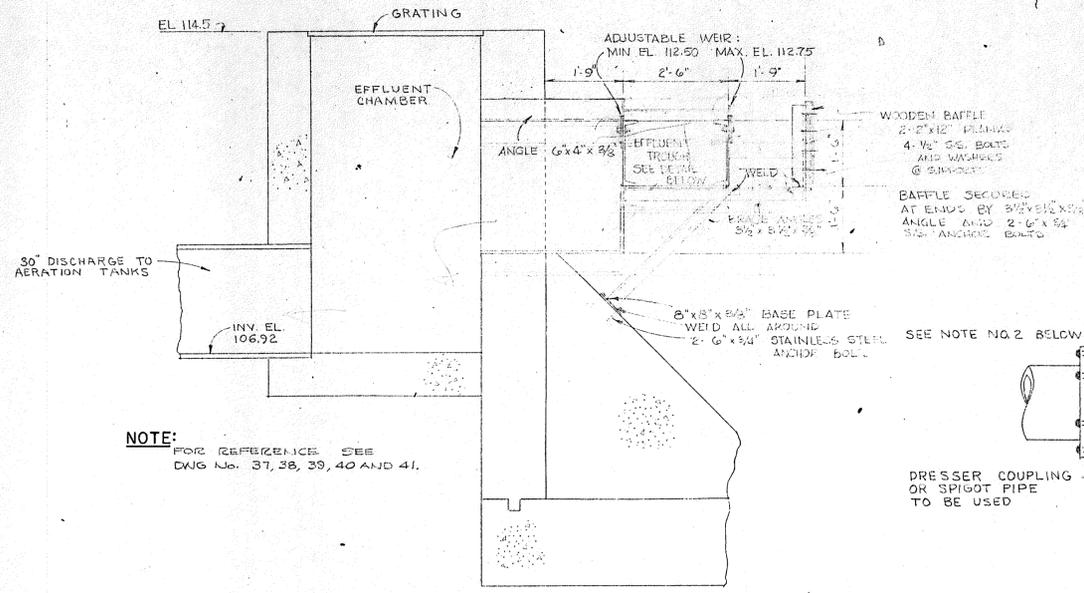
CHARLES A. MAGUIRE & ASSOCIATES  
ENGINEERS  
PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.

APPROVED  
TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT  
SYSTEM OF SEWERS  
CONTRACT NO. 2

MISCELLANEOUS STRUCTURES

SCALE  
AS NOTED  
C. A. M. NO. 1165  
DRAWING NO.  
**16**



**PRIMARY EFFLUENT SECTION**  
SCALE: 1/2" = 1'-0"

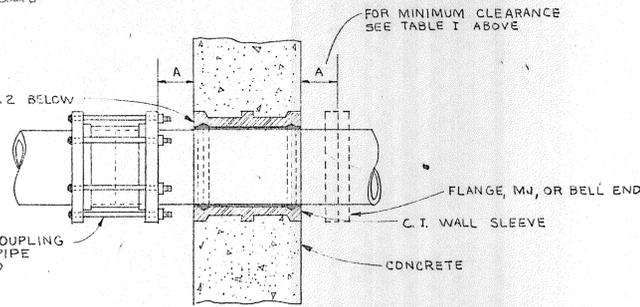
WALL CASTINGS TABLE I

PIPE SIZE	3	4	6	8	10	12	14	16	18	20	24
DIMENSION A	5	6	6	6	6	6	7	7	7	7	7

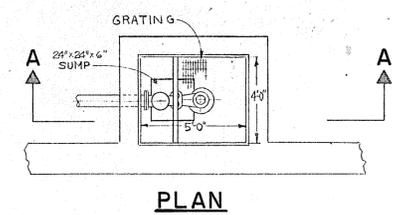
WALL SLEEVES TABLE II

FOR PIPE SIZE DIMENSION A	3	4	6	8	10	12	14	16	18	20	OVER 20
	8	10	12	12	12	12	14	14	15	16	18

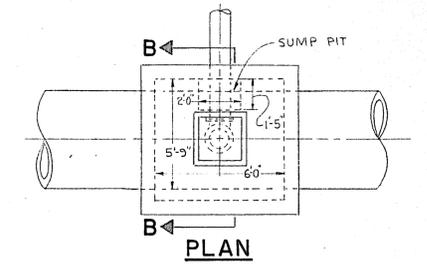
(ALL DIMENSIONS ARE IN INCHES)



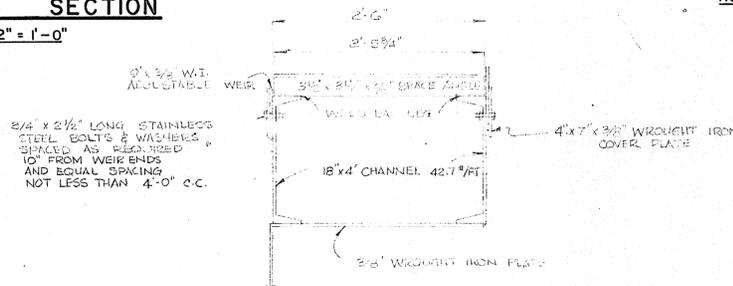
**TYPICAL WALL SLEEVE DETAIL**  
NO SCALE



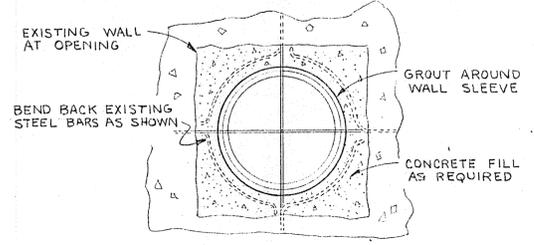
**SCUM PIT DETAIL SECTION A-A**  
SCALE: 1/4" = 1'-0"



**MANHOLE NO 7 SECTION B-B**  
SCALE: 1/4" = 1'-0"

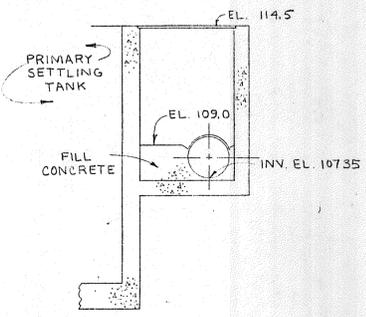


**PRIMARY EFFLUENT TROUGH DETAIL**  
SCALE: 1" = 1'-0"

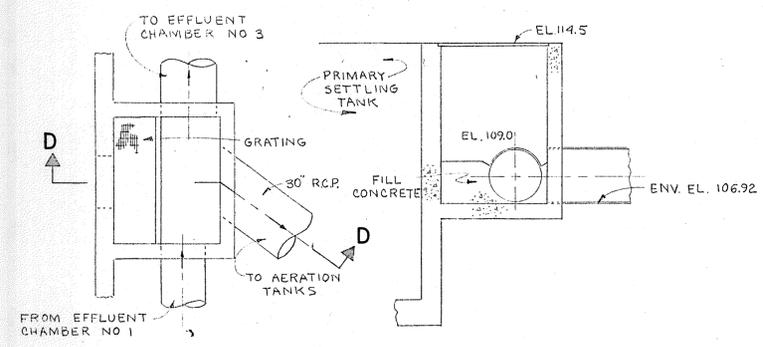


**TYPICAL EXISTING WALL PIPE CONNECTIONS**  
NO SCALE

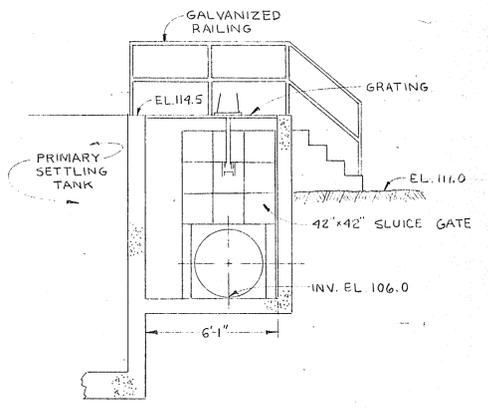
- NOTES:**
- (1) GENERAL FOR ALL PIPING THROUGH EXISTING WALLS: SLEEVES SHOULD BE SLIPPED ON PIPING AND PUT INTO FINAL POSITION, MORTARED AND CAULKED AFTER PIPING HAS BEEN SECURED IN FINAL POSITION.
  - (2) THE ANNULAR SPACE BETWEEN OUTSIDE OF PIPE WALL AND THE PIPE SLEEVE SHALL BE FILLED AND CAULKED SOLID WITH BRAIDED ASBESTOS TO WITHIN 2" OF EACH FACE OF THE PIPE SLEEVE; THE SPACE AT EACH FACE OF THE PIPE SLEEVE SHALL BE FILLED WITH POURED AND CAULKED LEAD.
  - (3) EITHER WALL CASTINGS OR WALL SLEEVES MAY BE USED AT THE OPTION OF THE CONTRACTOR UNLESS OTHERWISE DIRECTED.
  - (4) WHERE STEEL PIPE ENTERS THRU THE CAST IRON WALL SLEEVE, THE STEEL PIPE SHALL BE WRAPPED WITH 1/4" MINIMUM TAR IMPREGNATED FELT.



**SECTION C-C**



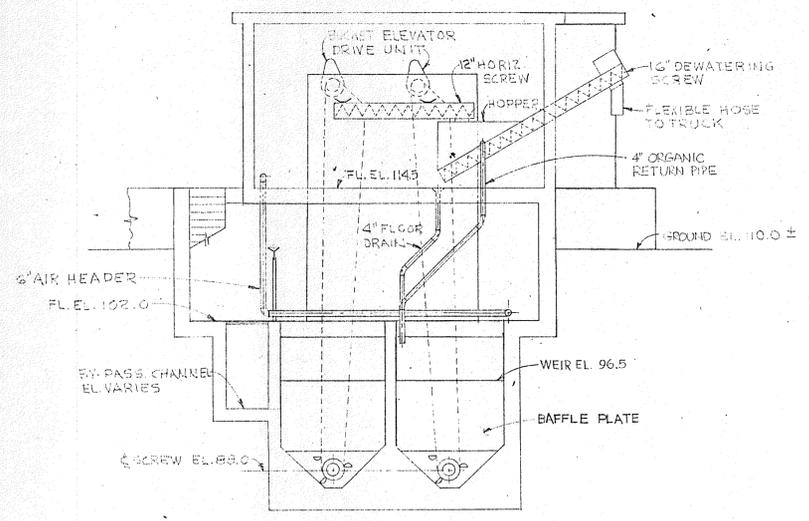
**EXISTING PRIMARY EFFLUENT CHAMBER SECTIONS**  
SCALE: 1/4" = 1'-0"



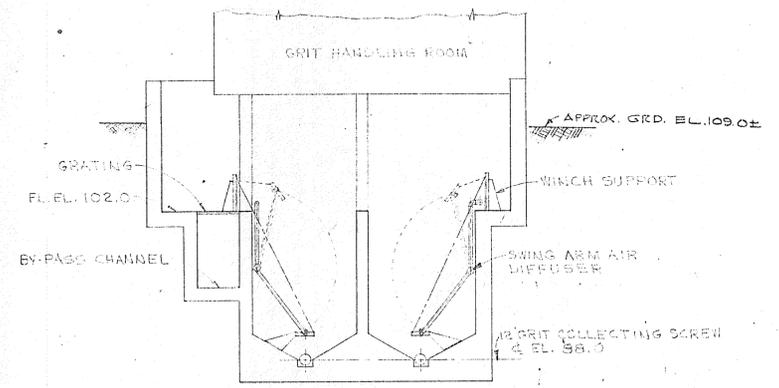
**SECTION E-E**

NOTE: FOR LOCATION OF MANHOLES SEE DWG. NO. 10.

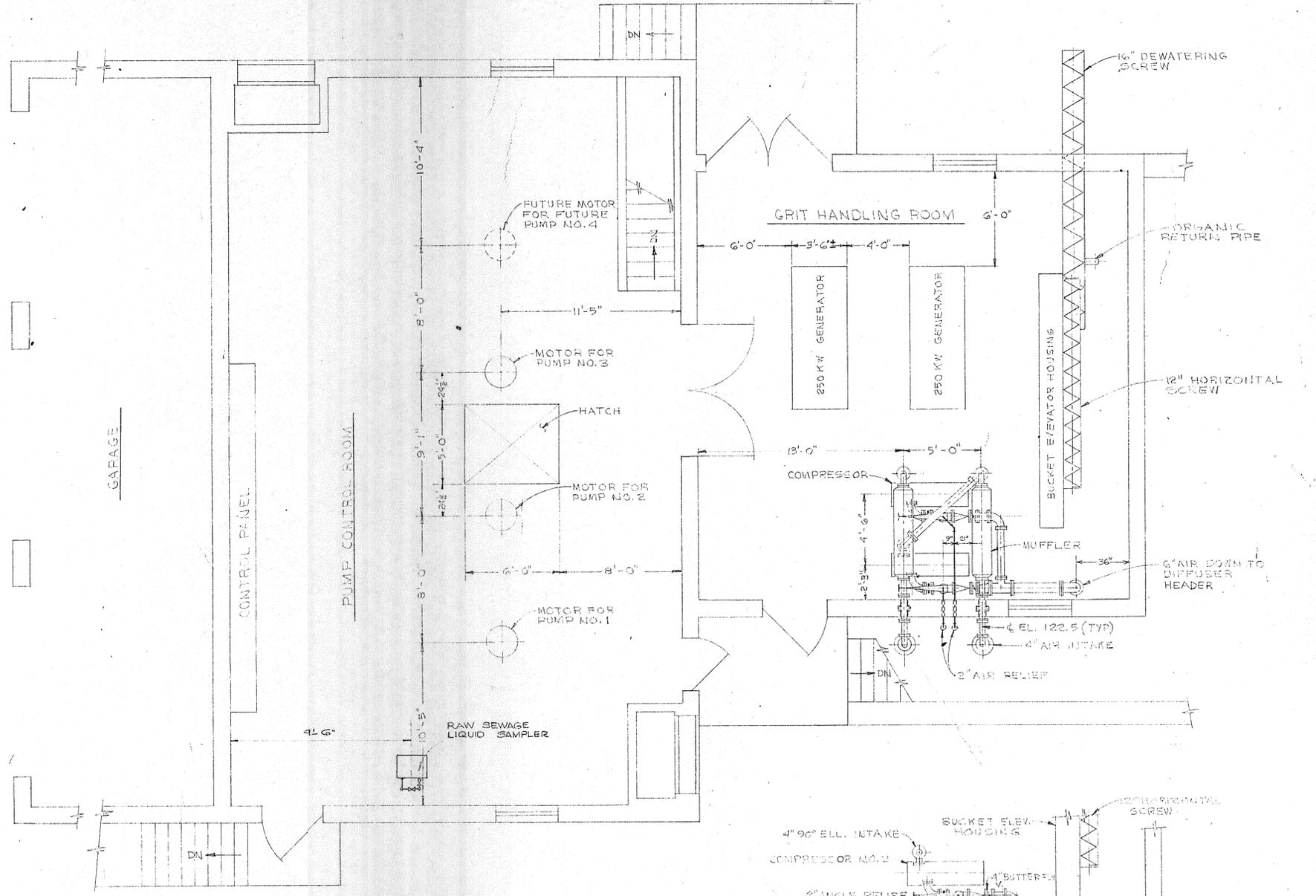
								DRAWN: P. ZAWADZKI DESIGNED: H. CAMPBELL CHECKED: H. CAMPBELL APPROVED: P. T. CARVER DATE: AUGUST, 1970 CHARLES A. MAGUIRE & ASSOCIATES ENGINEERS PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.				TOWN OF STRATFORD, CONNECTICUT SYSTEM OF SEWERS CONTRACT NO. 2 MISCELLANEOUS DETAILS 2				SCALE AS NOTED C. A. M. NO. 1165 DRAWING NO. 17	
REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE	APPROVED				TOWN OF STRATFORD					



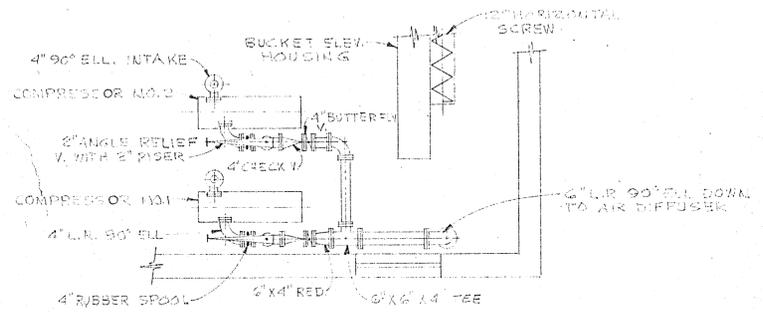
**SECTION B-B**  
SCALE: 1/8" = 1'-0"



**SECTION C-C**  
SCALE: 1/8" = 1'-0"



**PLAN AT ELEVATION 114.5**  
SCALE: 1/4" = 1'-0"



**COMPRESSOR PIPING PLAN**  
SCALE: 1/4" = 1'-0"

**NOTE:**  
FOR REFERENCE SEE  
DWG. NO. 19, 20 AND 21.

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE



DRAWN: J.Y. PION      DESIGNED: P.T. CARVER  
 CHECKED: P.T. CARVER      APPROVED: P.T. CARVER  
 DATE: AUGUST, 1970  
 CHARLES A. MAGUIRE & ASSOCIATES  
 ENGINEERS  
 PROVIDENCE, R.I.      WETHERSFIELD, CONN.      BOSTON, MASS.

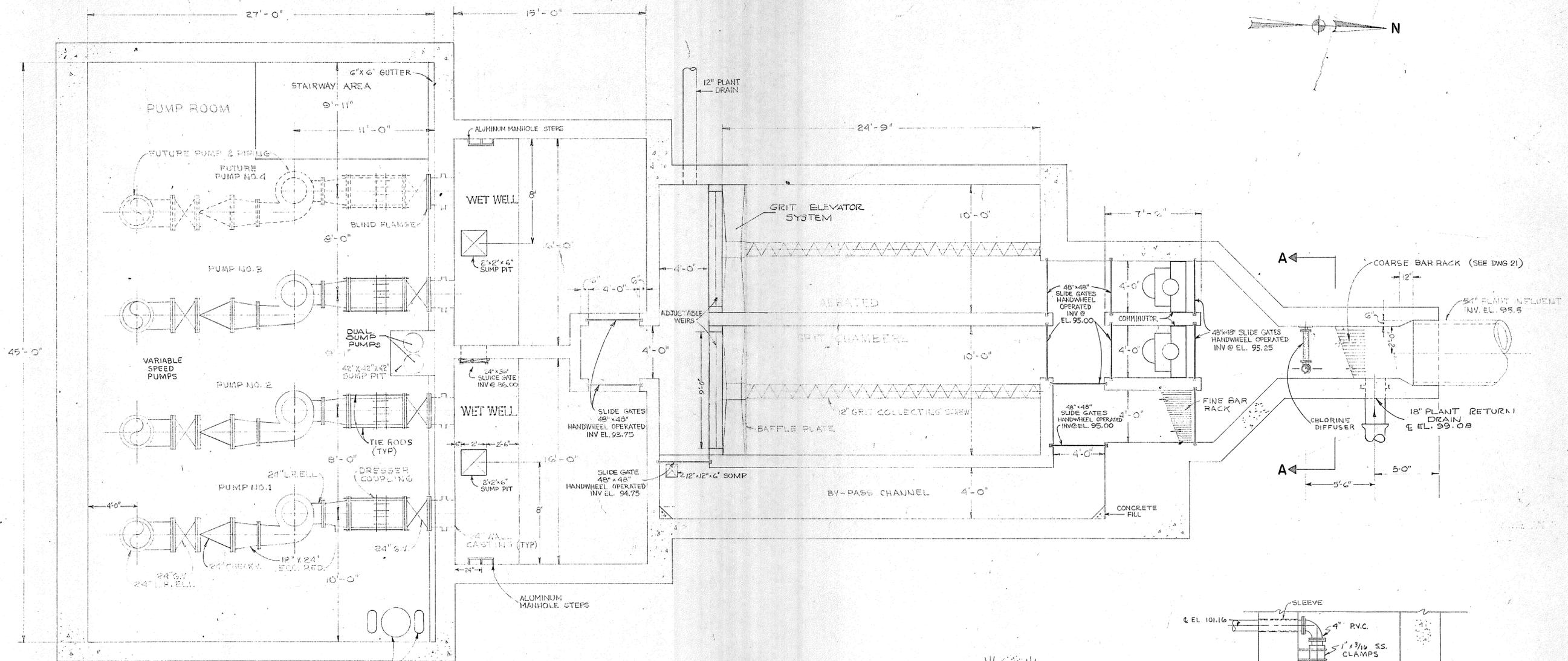
APPROVED

TOWN OF STRATFORD

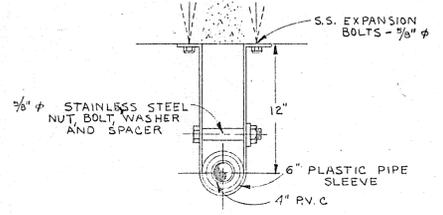
TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2  
 RAW SEWAGE PUMPING STATION AND INLET WORKS  
**EQUIPMENT AND PIPING**  
 PLAN-SECTIONS

SCALE  
 AS NOTED  
 C.A.M. NO. 1165  
 DRAWING NO.  
**18**

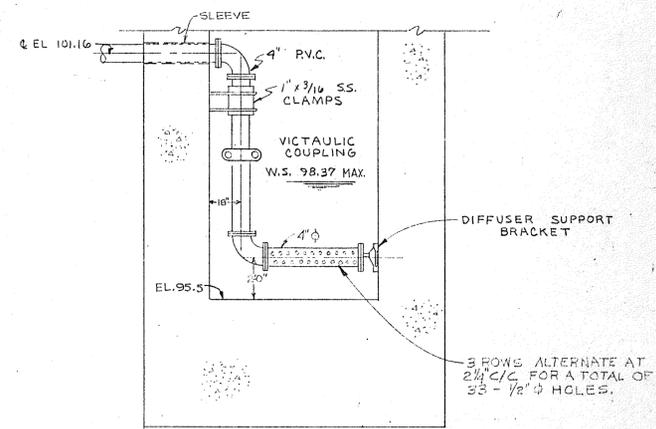




**PLAN AT ELEVATION 100.0**  
SCALE: 1/4" = 1'-0"



**CLAMP DETAIL**  
SCALE: 1-1/2" = 1'-0"



**SECTION A-A**  
SCALE: 1/2" = 1'-0"

**NOTE:**  
FOR REFERENCE  
SEE DWG NO. 10, 18, 19 AND 21.

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE



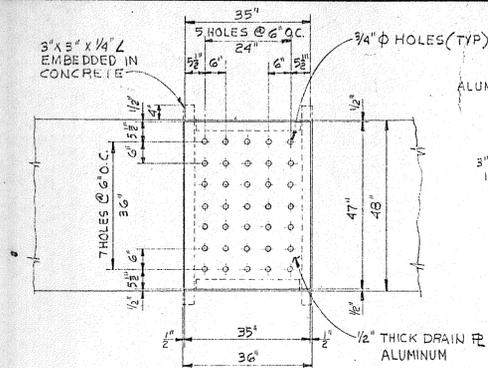
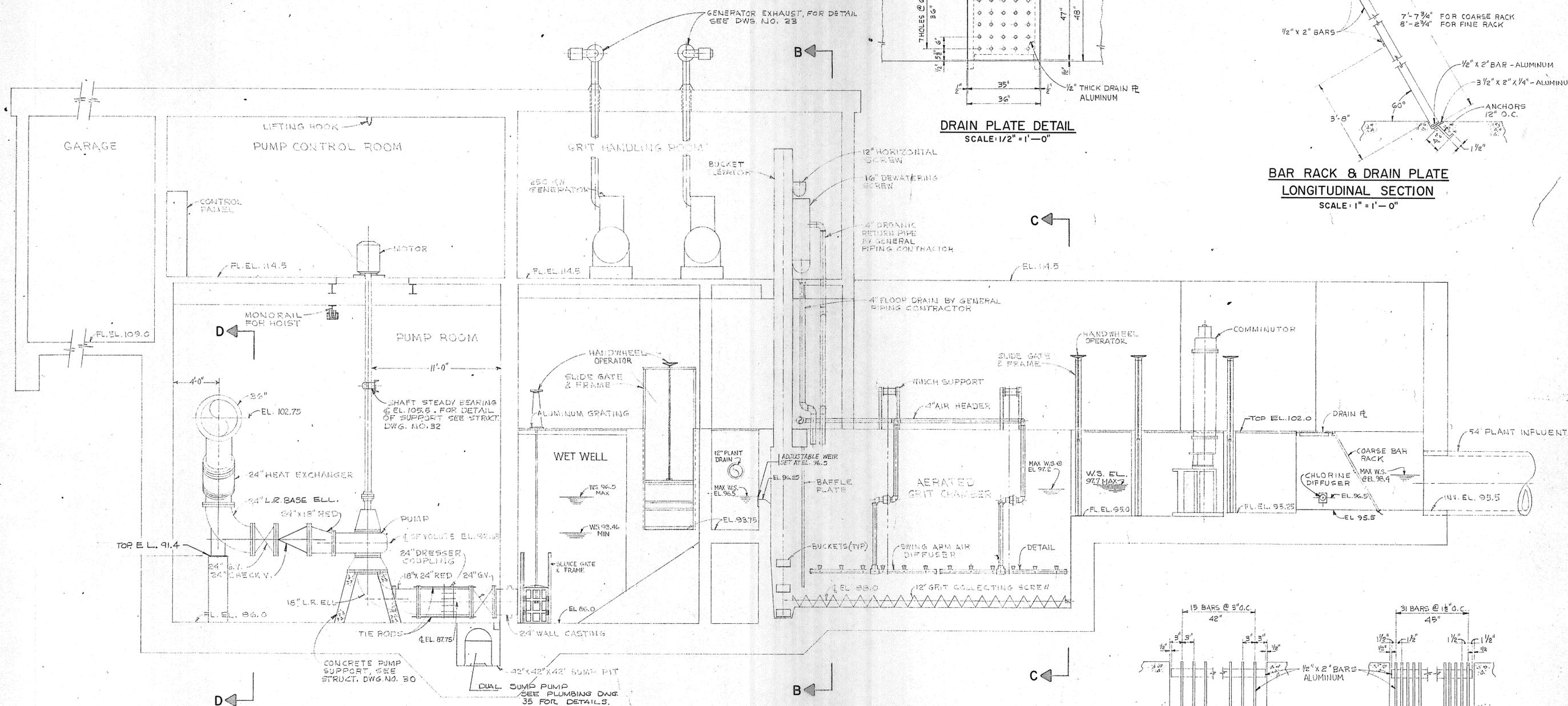
DRAWN: J.Y. PIGNO      DESIGNED: P.T. CARVER  
 CHECKED: P.T. CARVER      APPROVED: P.T. CARVER  
 DATE: AUGUST, 1970  
 CHARLES A. MAGUIRE & ASSOCIATES  
 ENGINEERS  
 PROVIDENCE, R.I.      WETHERSFIELD, CONN.      BOSTON, MASS.

APPROVED

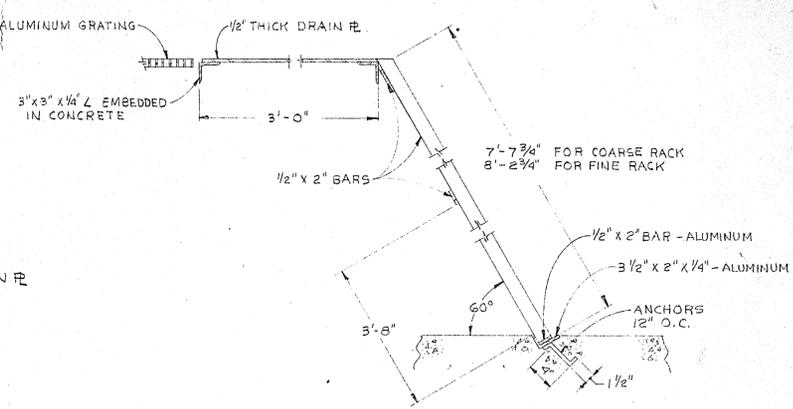
TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT  
 SYSTEM OF SEWERS  
 CONTRACT NO. 2  
 RAW SEWAGE PUMPING STATION AND INLET WORKS  
 EQUIPMENT AND PIPING  
 PLAN AT ELEVATION 101.0

SCALE  
 AS NOTED  
 C. A. M. NO. 1165  
 DRAWING NO.  
 20



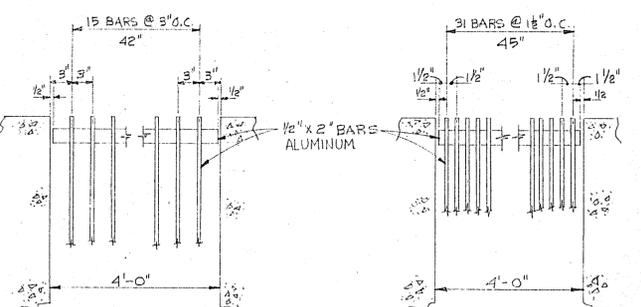
**DRAIN PLATE DETAIL**  
SCALE: 1/2" = 1'-0"



**BAR RACK & DRAIN PLATE**  
**LONGITUDINAL SECTION**  
SCALE: 1" = 1'-0"

**SECTION A-A**  
SCALE: 1/4" = 1'-0"

- NOTES:**
1. FOR SECTIONS "B-B" AND "C-C", SEE DWG. NO. 18.
  2. FOR SECTION "D-D" SEE DWG. NO. 19.
  3. FOR SLIDE GATE DETAIL SEE DWG. NO. 19.



**ELEVATION**  
**COARSE BAR RACK**  
SCALE: 1" = 1'-0"

**ELEVATION**  
**FINE BAR RACK**  
SCALE: 1" = 1'-0"

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE

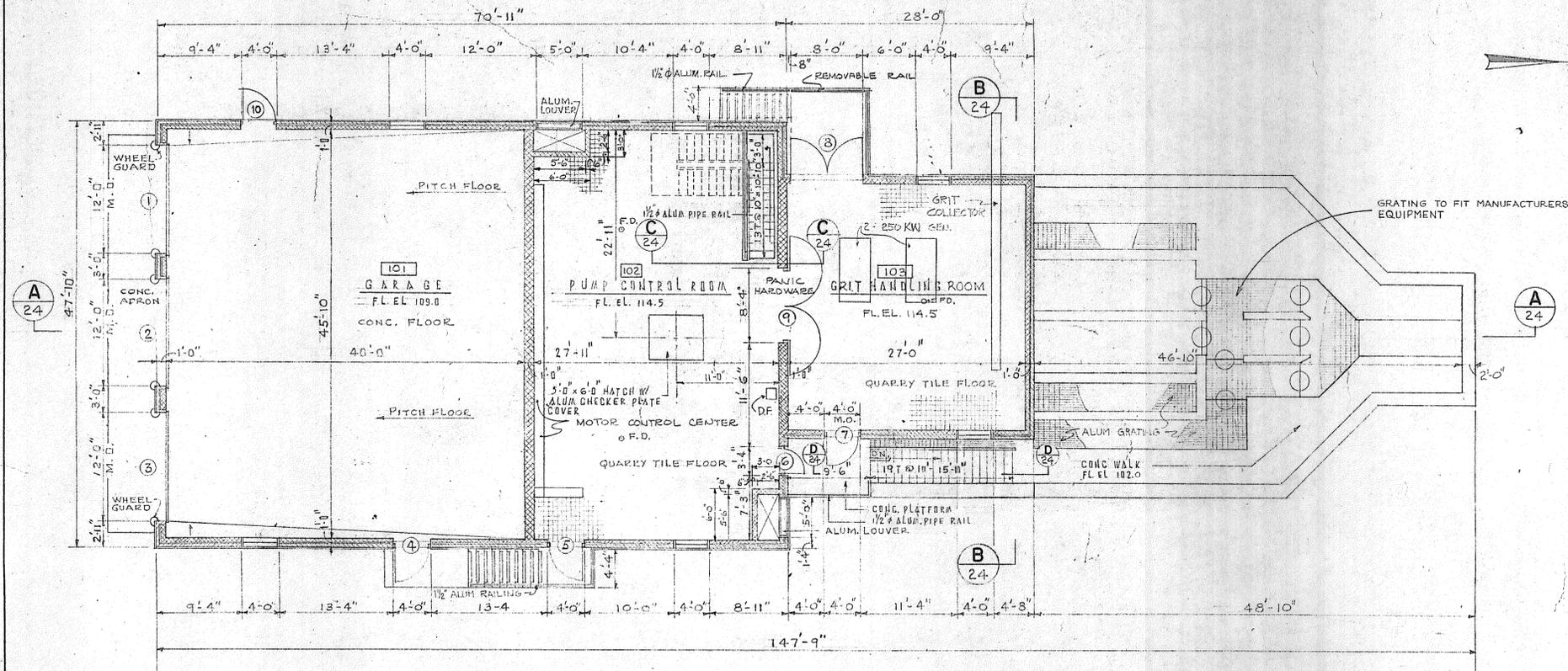


DRAWN: J.Y. PION      DESIGNED: P.T. CARVER  
 CHECKED: P.T. CARVER      APPROVED: P.T. CARVER  
 DATE: AUGUST, 1970  
**CHARLES A. MAGUIRE & ASSOCIATES**  
**ENGINEERS**  
 PROVIDENCE, R.I.      WETHERSFIELD, CONN.      BOSTON, MASS.

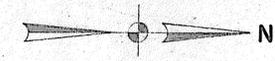
APPROVED \_\_\_\_\_  
 TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2  
 RAW SEWAGE PUMPING STATION AND INLET WORKS  
**EQUIPMENT AND PIPING**  
 SECTION

SCALE  
 AS NOTED  
 C. A. M. NO. 1165  
 DRAWING NO.  
**21**



**PLAN AT ELEVATION 114.5**  
SCALE 1/8" = 1'-0"



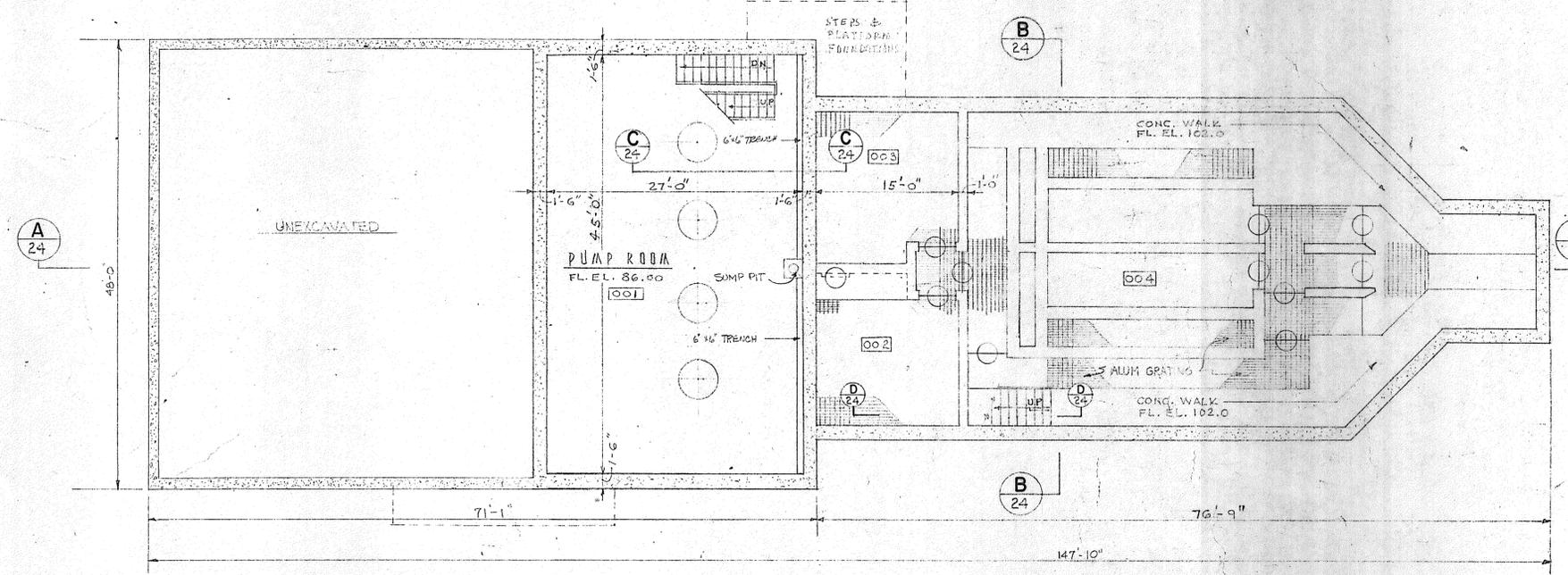
ROOM FINISH SCHEDULE								
ROOM NO.	FLOOR ELEV.	WALLS				FLOOR	CEILING	BASE
		N	E	S	W			
101	109.0	1 2 3	1 2 3	1 2 3	1 2 3	1	1 2	—
102	114.5	1	1	1	1	2	1 2	1
103	114.5	1	1	1	1	2	1 2	1
001	86.0	3	3	3	3	1	3	—
002		4	4	4	4	3	4	—
003		4	4	4	4	3	4	—
004		4	4	4	4	3	4	—

FLOOR	WALLS
1. CONCRETE FLOOR WOOD FLOAT FINISH AND HARDENER. 2. 6"x6" QUARRY TILE OVER. 3. CONCRETE STEEL TROWEL FINISH.	1. GLAZED WALL FINISH-MASONRY UNITS 2. EXPOSED CONCRETE STEEL TROWEL FINISH-PAINTED. 3. CONCRETE EPOXY COATED WITH GLAZE. 4. CONCRETE STEEL TROWEL FINISH

CEILING	BASE
1. STEEL PAINTED. 2. METAL DECK PAINTED. 3. CONCRETE EPOXY COATED NO GLAZE. 4. CONCRETE STEEL TROWEL FINISH	1. GLAZED WALL FINISH-MASONRY UNITS



**PLAN AT ELEVATION 102.0**  
SCALE 1/8" = 1'-0"

DOOR NO.	ALUMINUM			HOLLOW METAL
	(1), (2), (3)	(4), (5), (6), (7), (10)	(8)	(9)
MATERIAL	ALUMINUM			HOLLOW METAL
DOOR ELEVATION				
THRESHOLD	SEE DETAIL DRAWING (25)			ALUMINUM
REINFORCE	ALUMINUM			NONE

**LEGEND OF MATERIALS**

CONCRETE	
BRICK	
CONCRETE MASONRY UNITS	

- NOTES:**
- ALL GLASS IN DOORS IS TO BE 1/2" THK CLEAR WIRE GLASS.
  - NO ALLOWANCE IS MADE IN DOOR HEIGHTS FOR UNDERCUTS OR THRESHOLDS.
  - ALL DOOR FRAMES WHERE TILE FLOORS OCCUR SHALL GO DOWN TO CONCRETE SLAB UNDER TILE.
  - ALL DOORS TO BE 1 3/4" THICK.
  - DOORS NO. 1, 2 & 3 TO BE 2 1/2" THICK.
  - ALL EXTERIOR DOORS TO BE WEATHERSTRIPPED AT HEAD, JAMBS AND SILL.

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE



DRAWN - H. SAMSON      DESIGNED - R. HAMILTON  
 CHECKED - R. HAMILTON      APPROVED - P.T. CARVER  
 DATE: AUGUST, 1970

**CHARLES A. MAGUIRE & ASSOCIATES**  
 ENGINEERS

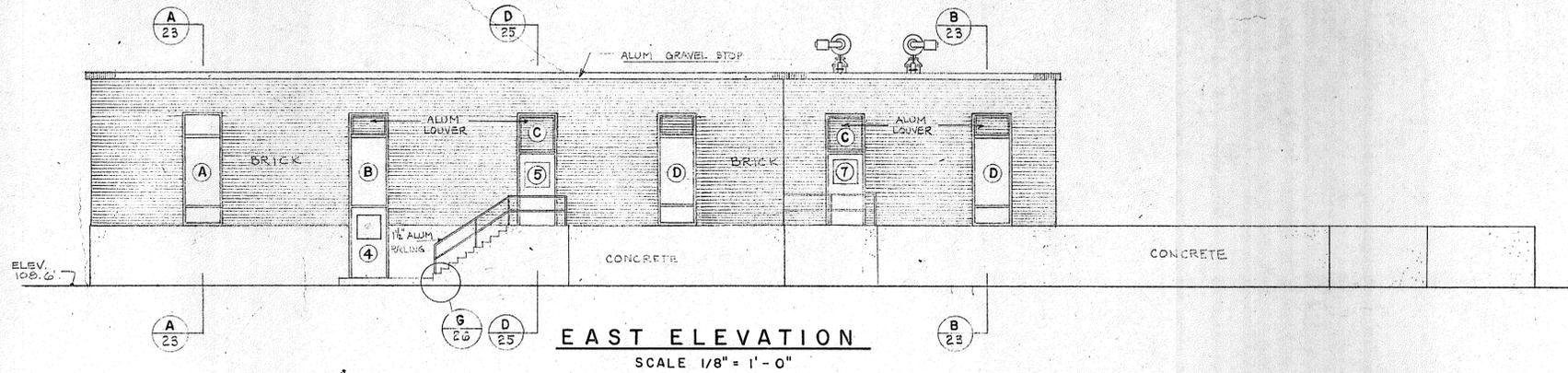
PROVIDENCE, R.I.      WETHERSFIELD, CONN.      BOSTON, MASS.

APPROVED

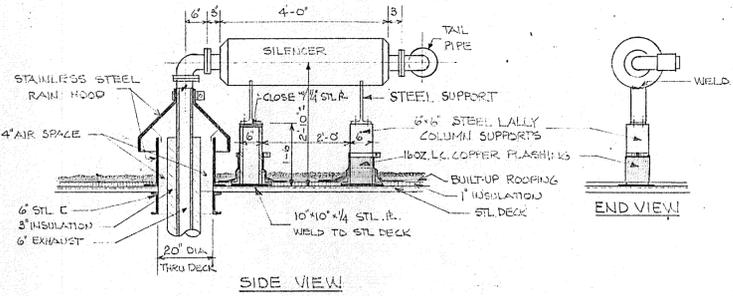
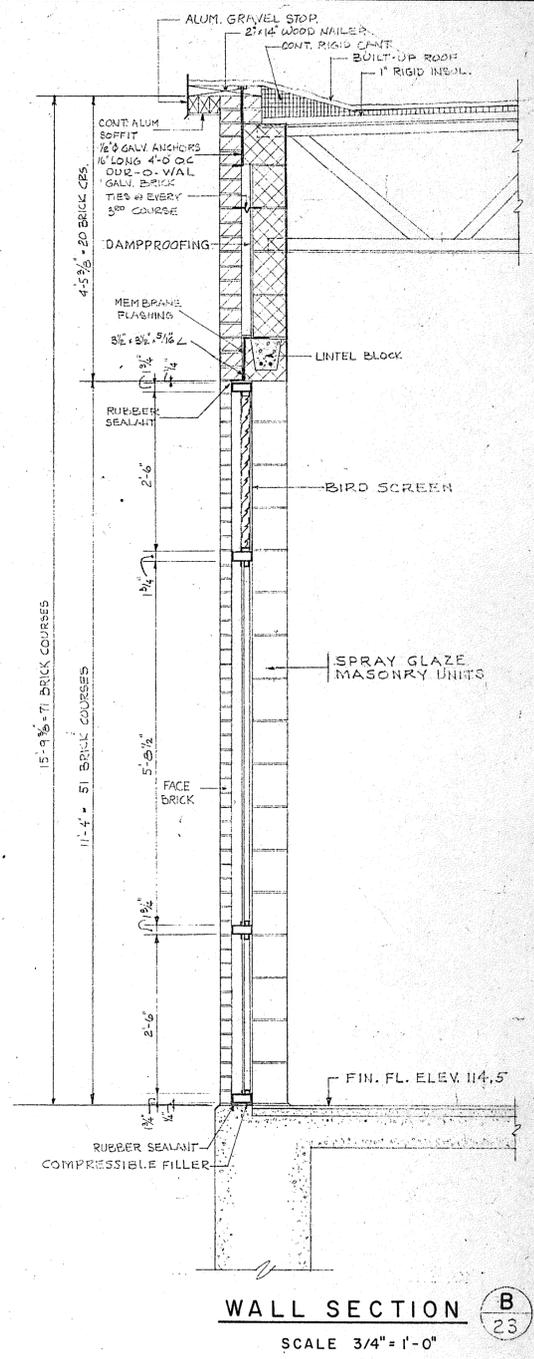
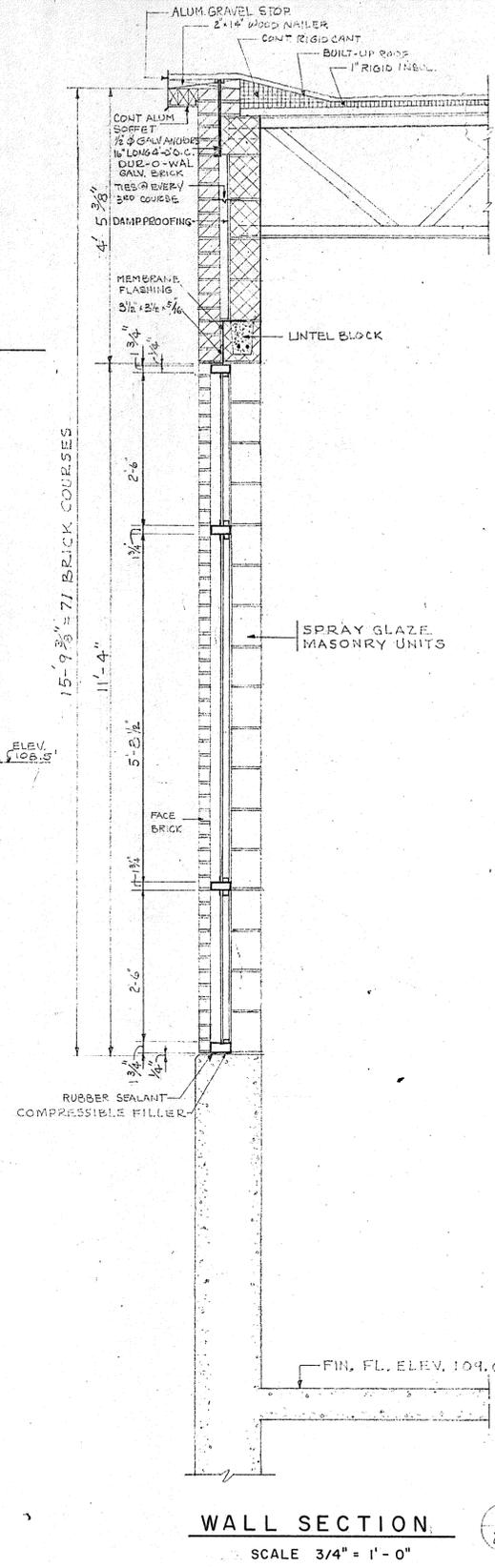
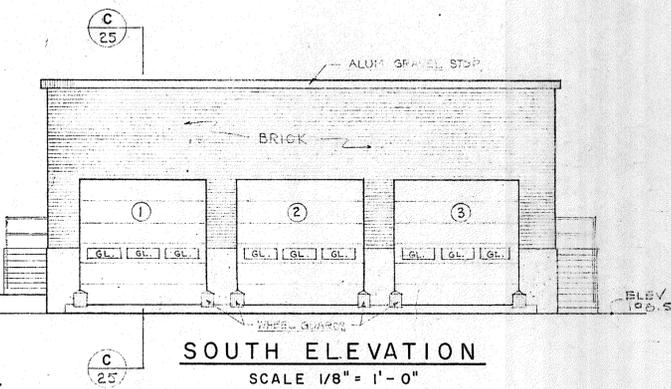
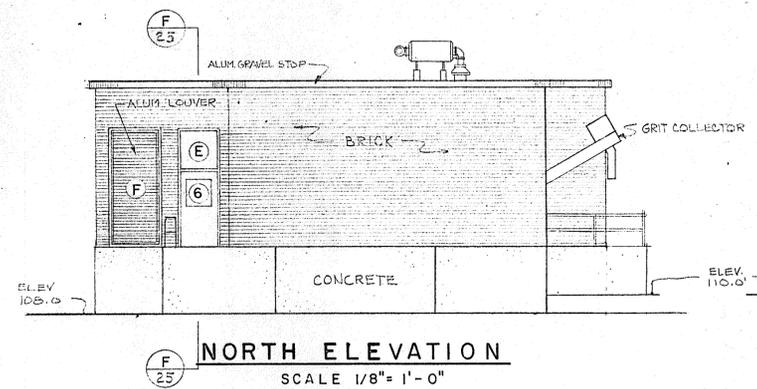
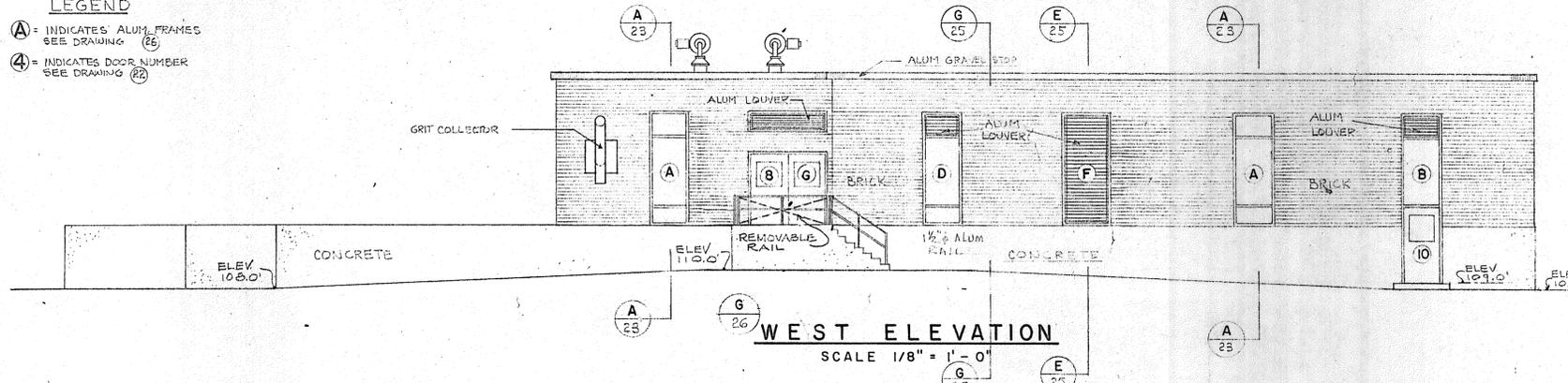
TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2  
 RAW SEWAGE PUMPING STATION AND INLET WORKS  
**ARCHITECTURAL**  
 PLANS AT ELEVATION 114.5 AND 102.0

SCALE  
 1/8" = 1'-0"  
 C.A.M. NO. 1165  
 DRAWING NO.  
**22**



**LEGEND**  
 (A) = INDICATES ALUM. FRAMES SEE DRAWING (25)  
 (4) = INDICATES DOOR NUMBER SEE DRAWING (22)



REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE



DRAWN: H. SAMSON      DESIGNED: R. HAMILTON  
 CHECKED: R. HAMILTON      APPROVED: P.T. CARVER  
 DATE: AUGUST, 1970

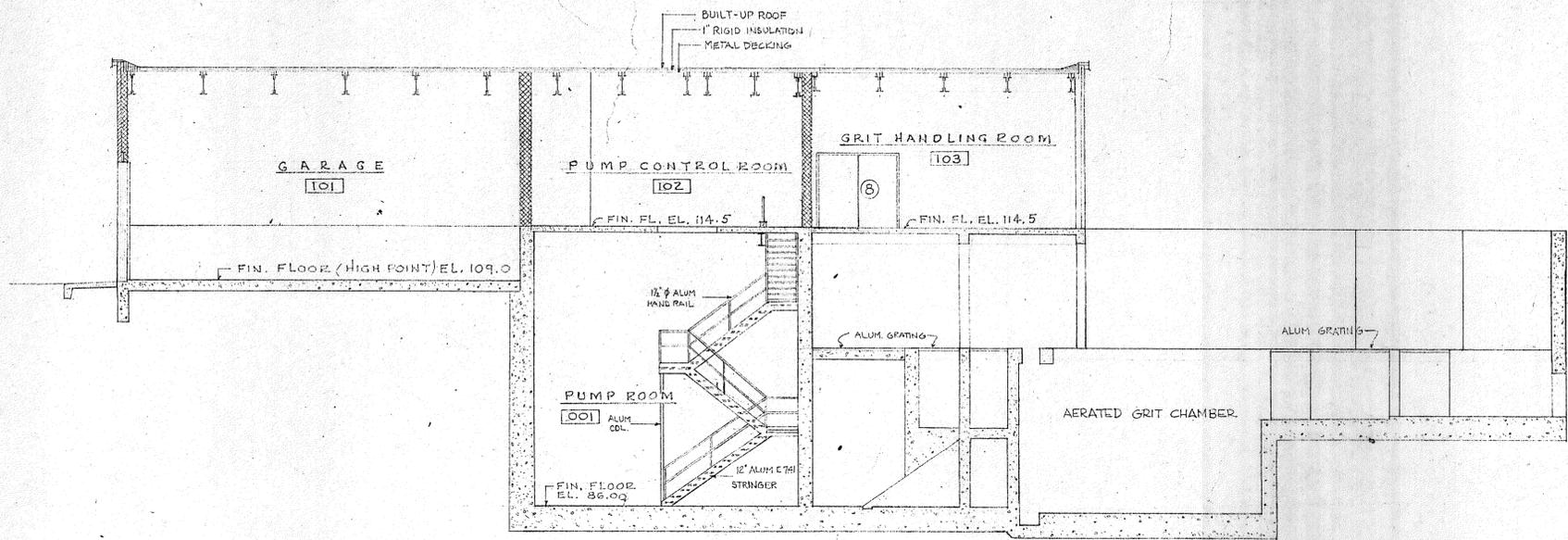
CHARLES A. MAGUIRE & ASSOCIATES  
 ENGINEERS  
 PROVIDENCE, R.I.      WETHERSFIELD, CONN.      BOSTON, MASS.

APPROVED \_\_\_\_\_  
 TOWN OF STRATFORD

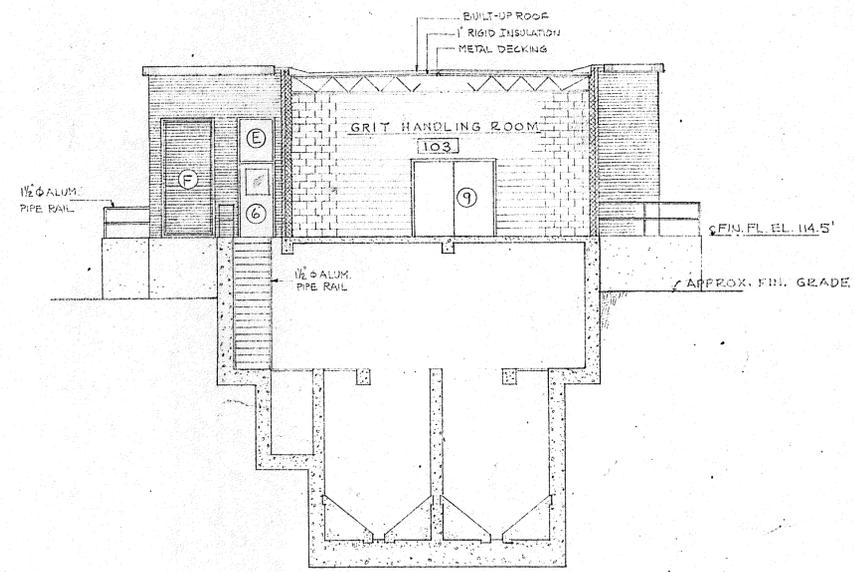
TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2  
 RAW SEWAGE PUMPING STATION AND INLET WORKS

SCALE AS NOTED  
 C. A. M. NO. 1165  
 DRAWING NO. **23**

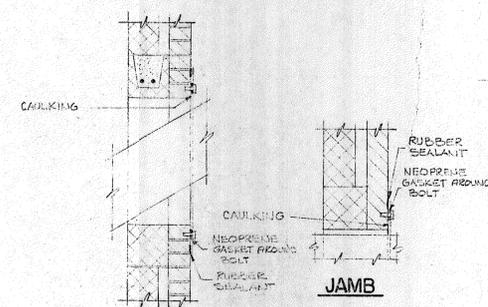
ARCHITECTURAL SECTIONS AND DETAILS



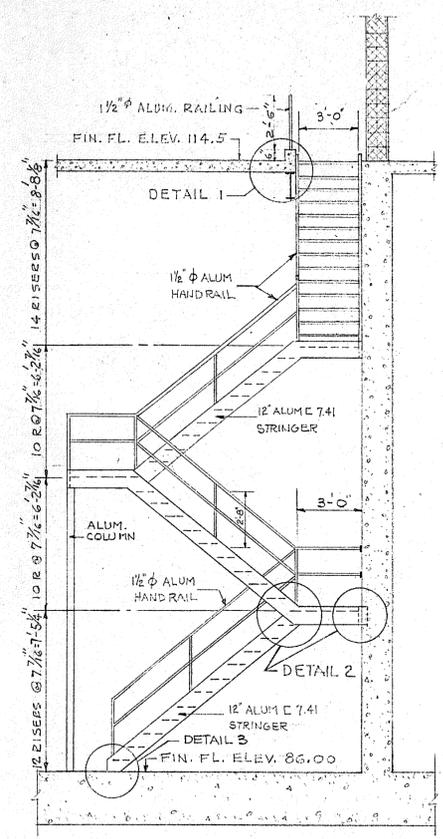
**SECTION A**  
SCALE 1/8" = 1'-0"



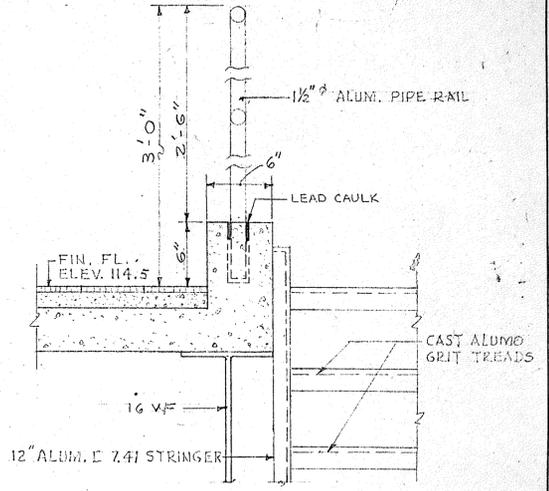
**SECTION B**  
SCALE 1/8" = 1'-0"



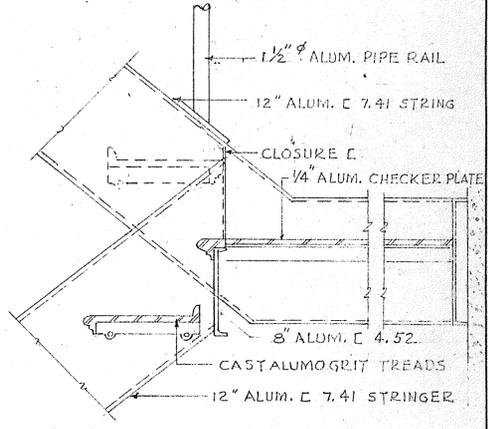
**SECTION**  
**DETAIL OF OPENING IN EXTERIOR WALL - GRIT HANDLING ROOM FOR CONVEYOR**  
SCALE 3/4" = 1'-0"



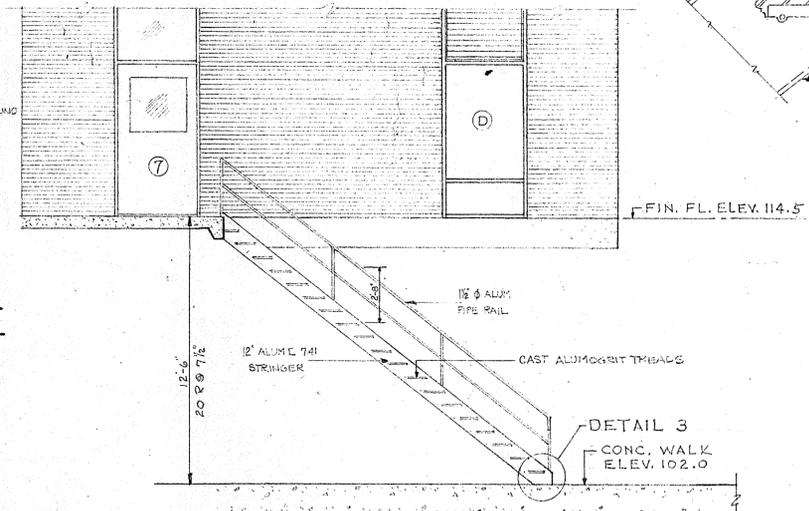
**SECTION C**  
SCALE 1/4" = 1'-0"



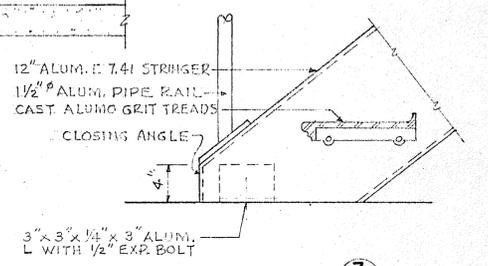
**DETAIL 1**  
SCALE 1/2" = 1'-0"



**DETAIL 2**  
SCALE 1/2" = 1'-0"



**SECTION D**  
SCALE 1/4" = 1'-0"



**DETAIL 3**  
SCALE 1/2" = 1'-0"

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE

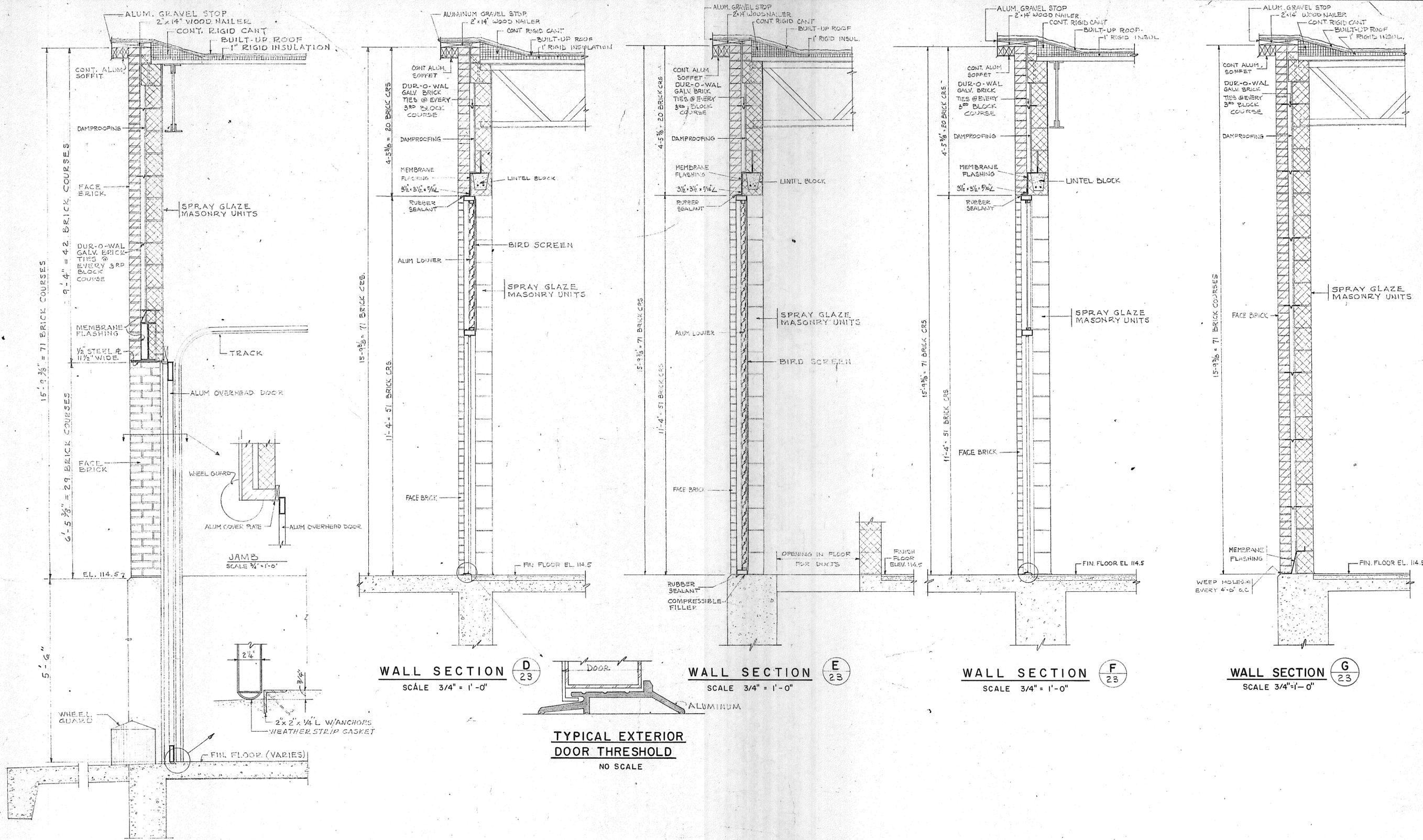


DRAWN: H. SAMSON      DESIGNED: R. HAMILTON  
 CHECKED: R. HAMILTON      APPROVED: P. T. CARVER  
 DATE: AUGUST, 1970  
**CHARLES A. MAGUIRE & ASSOCIATES**  
 ENGINEERS  
 PROVIDENCE, R.I.      WETHERSFIELD, CONN.      BOSTON, MASS.

APPROVED  
 TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2  
 RAW SEWAGE PUMPING STATION AND INLET WORKS  
**ARCHITECTURAL**  
**ELEVATIONS AND WALL SECTIONS**

SCALE AS NOTED  
 C. A. M. NO. 1165  
 DRAWING NO. **24**



**WALL SECTION C**  
SCALE 3/4" = 1'-0"

**WALL SECTION D**  
SCALE 3/4" = 1'-0"

**WALL SECTION E**  
SCALE 3/4" = 1'-0"

**WALL SECTION F**  
SCALE 3/4" = 1'-0"

**WALL SECTION G**  
SCALE 3/4" = 1'-0"

**TYPICAL EXTERIOR DOOR THRESHOLD**  
NO SCALE

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE

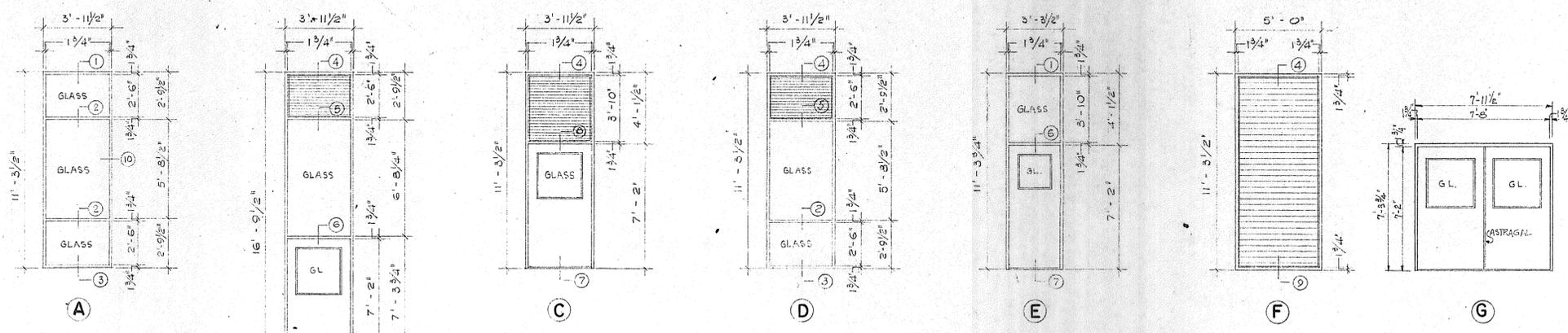


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 CHECKED: R. HAMILTON      APPROVED: P. T. CARVER  
 DATE: AUGUST, 1970  
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TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2  
 RAW SEWAGE PUMPING STATION AND INLET WORKS  
**ARCHITECTURAL WALL SECTIONS**

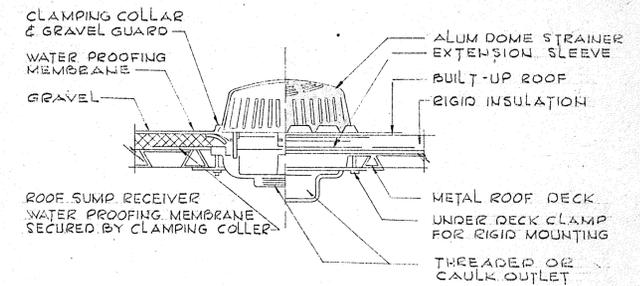
SCALE  
 3/4" = 1'-0"  
 C. A. M. NO. 1165  
 DRAWING NO.  
**25**



NOTE:  
ALL LOUVERS SHALL HAVE ALUM. INSECT SCREENS.

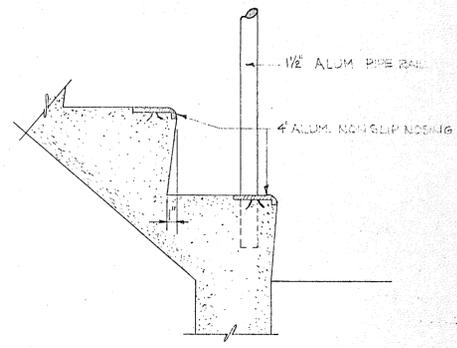
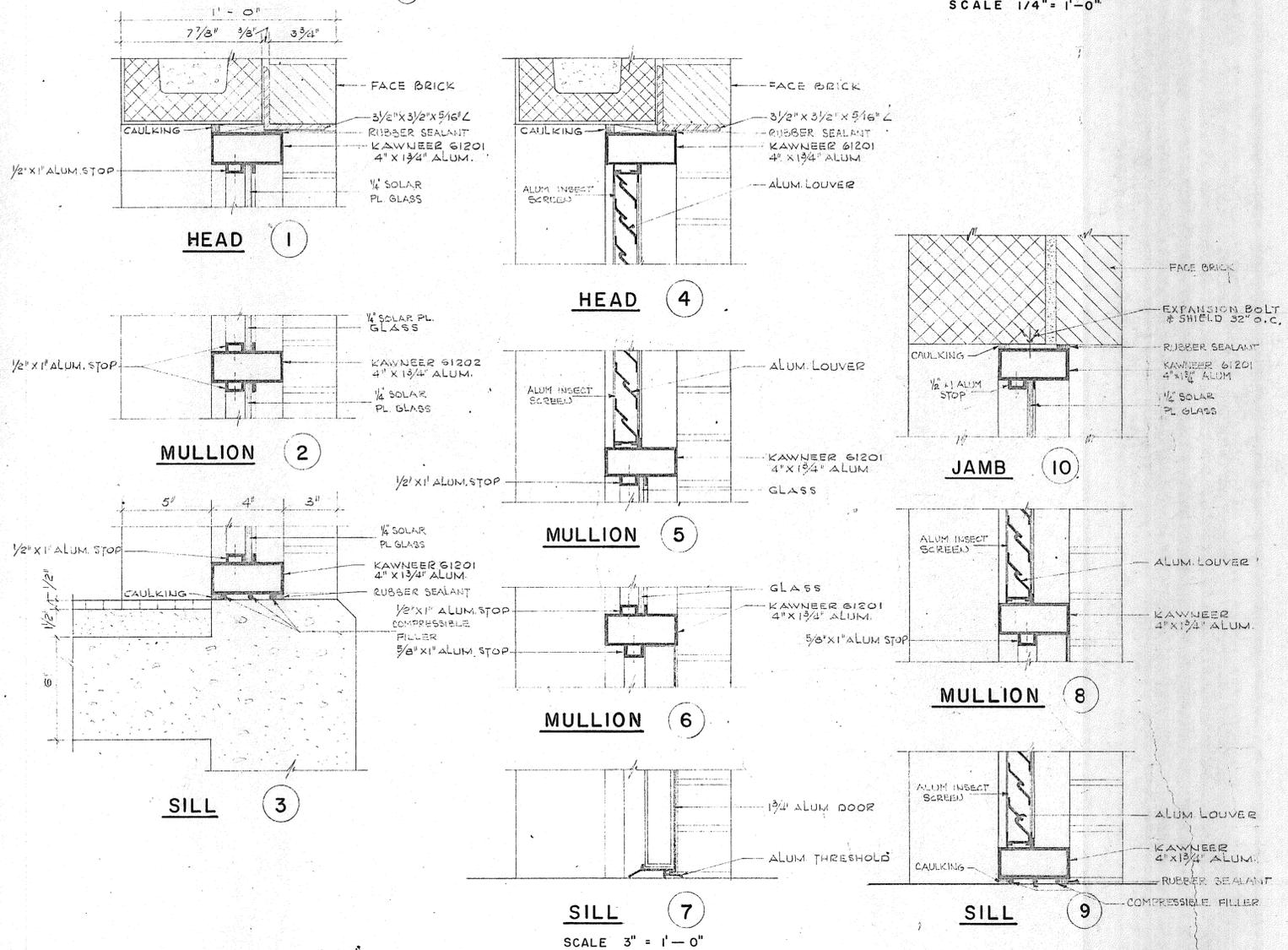
**WINDOW DOOR AND LOUVER SCHEDULE**

SCALE 1/4" = 1'-0"

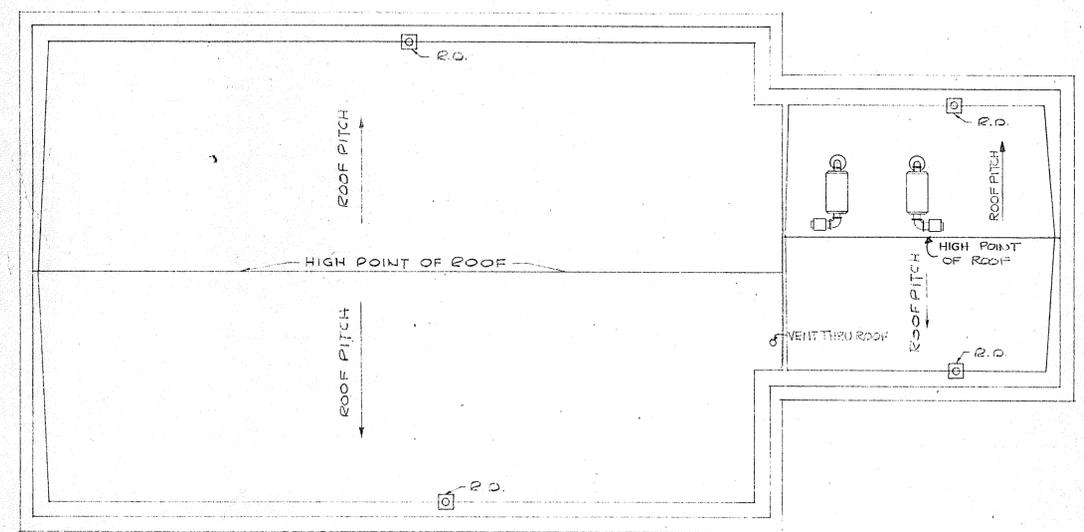


**TYPICAL ROOF DRAIN DETAIL**

SCALE 1 1/2" = 1'-0"



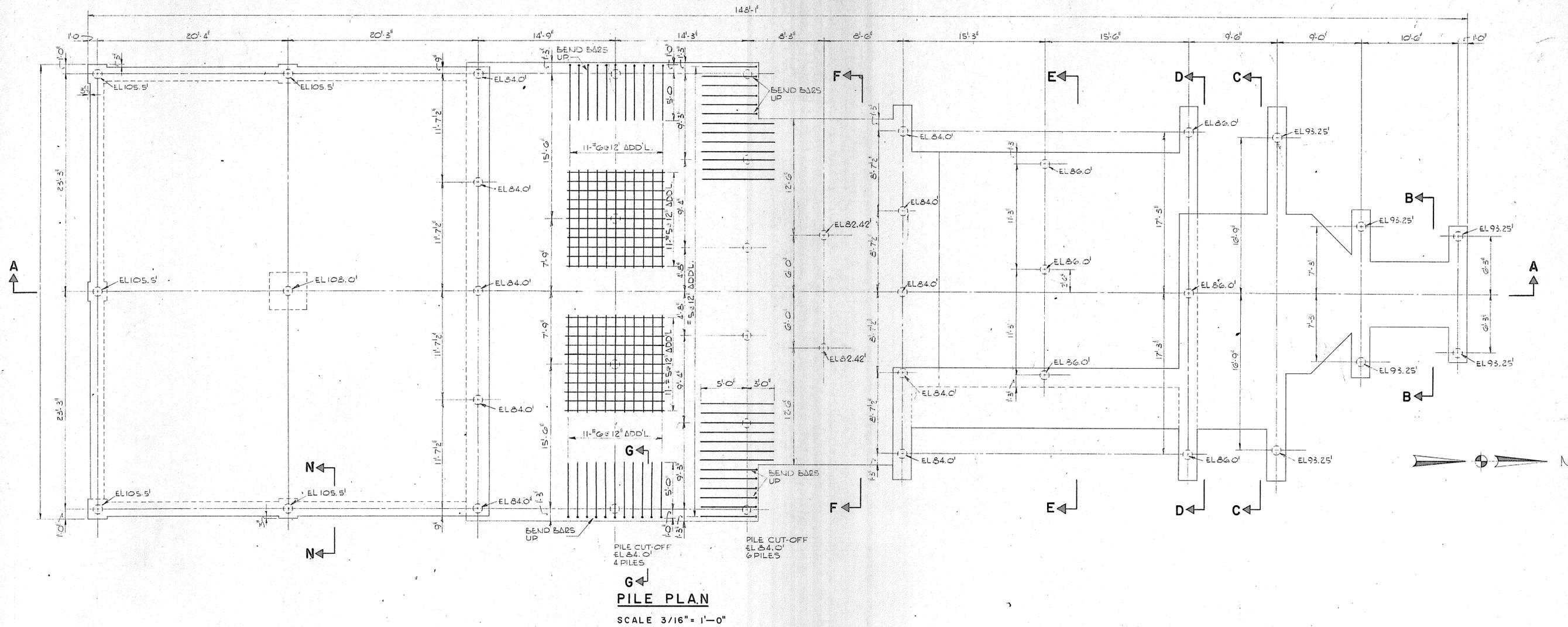
DETAIL G  
SCALE 1/2" = 1'-0"



**ROOF PLAN**

SCALE 1/8" = 1'-0"

								DRAWN: F. DIAS      DESIGNED: R. HAMILTON CHECKED: R. HAMILTON      APPROVED: P. T. CARVER DATE: AUGUST, 1970		TOWN OF STRATFORD; CONNECTICUT <b>SYSTEM OF SEWERS</b> CONTRACT NO. 2 RAW SEWAGE PUMPING STATION AND INLET WORKS <b>ARCHITECTURAL</b> MISCELLANEOUS DETAILS		SCALE AS NOTED C. A. M. NO. 1165 DRAWING NO. <b>26</b>	
				CHARLES A. MAGUIRE & ASSOCIATES ENGINEERS PROVIDENCE, R.I.      WETHERSFIELD, CONN.      BOSTON, MASS.		APPROVED TOWN OF STRATFORD							
REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE						



- NOTES**
1. SECTIONS A,B,C,D SEE DRAWING No.32
  2. SECTIONS E,F,G SEE DRAWING No.33
  3. SECTION 'N' SEE DRAWING No.34
  4. GENERAL STRUCTURAL NOTES SEE DWG. No.14
  5. TYPICAL STRUCTURAL DETAILS SEE DWG. No.14
  6. PILES SHALL BE 12 3/4" O.D. 4-3/8" CONC. FILLED PIPE  
PILES DRIVEN TO REFUSAL IN THE DENSE SANDY TILL STRATUM. FOR PILE TOP DET., SEE TYP. DETAIL DWG. #14

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE

DRAWN: J. MEDEIROS      DESIGNED: H. MORSILLI  
 CHECKED: V. SYLVIA      APPROVED: C. HIRSCH  
 DATE: AUGUST, 1970

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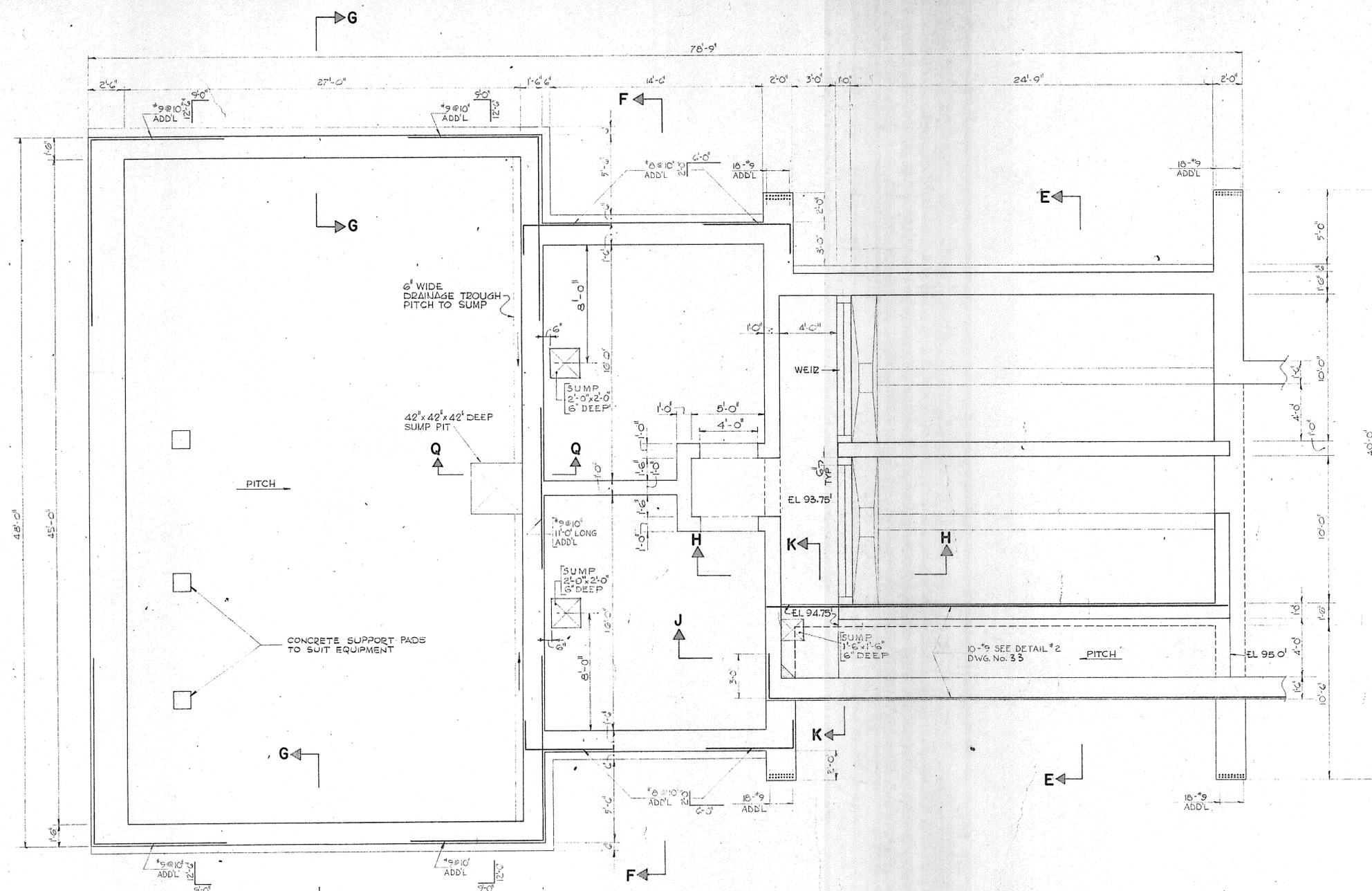
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TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2

**RAW SEWAGE PUMPING STATION AND INLET WORKS**  
**STRUCTURAL**  
**PILE PLAN**

SCALE AS NOTED  
 C.A.M. No. 1165  
 DRAWING NO. **27**

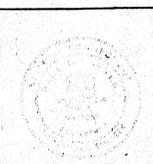


**PLAN AT ELEVATION 97.0**  
SCALE: 1/4" = 1'-0"

NOTE:  
WALL REINFORCING SHOWN IN PLAN  
IS ADDITIONAL TO REINFORCING  
DETAILED IN SECTIONS

- NOTES:
1. SECTION 'A' SEE DRAWING No. 32
  2. SECTIONS E, F, G SEE DRAWING No. 33
  3. SECTIONS H, J, K, Q SEE DRAWING No. 34
  4. GENERAL STRUCTURAL NOTES SEE DWG. No. 14
  5. TYPICAL STRUCTURAL DETAILS SEE DWG. No. 14

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE



DRAWN: J. MEDEIROS    DESIGNED: H. MORSILLI  
 CHECKED: V. SYLVIA    APPROVED: C. HIRSCH  
 DATE: AUGUST, 1970

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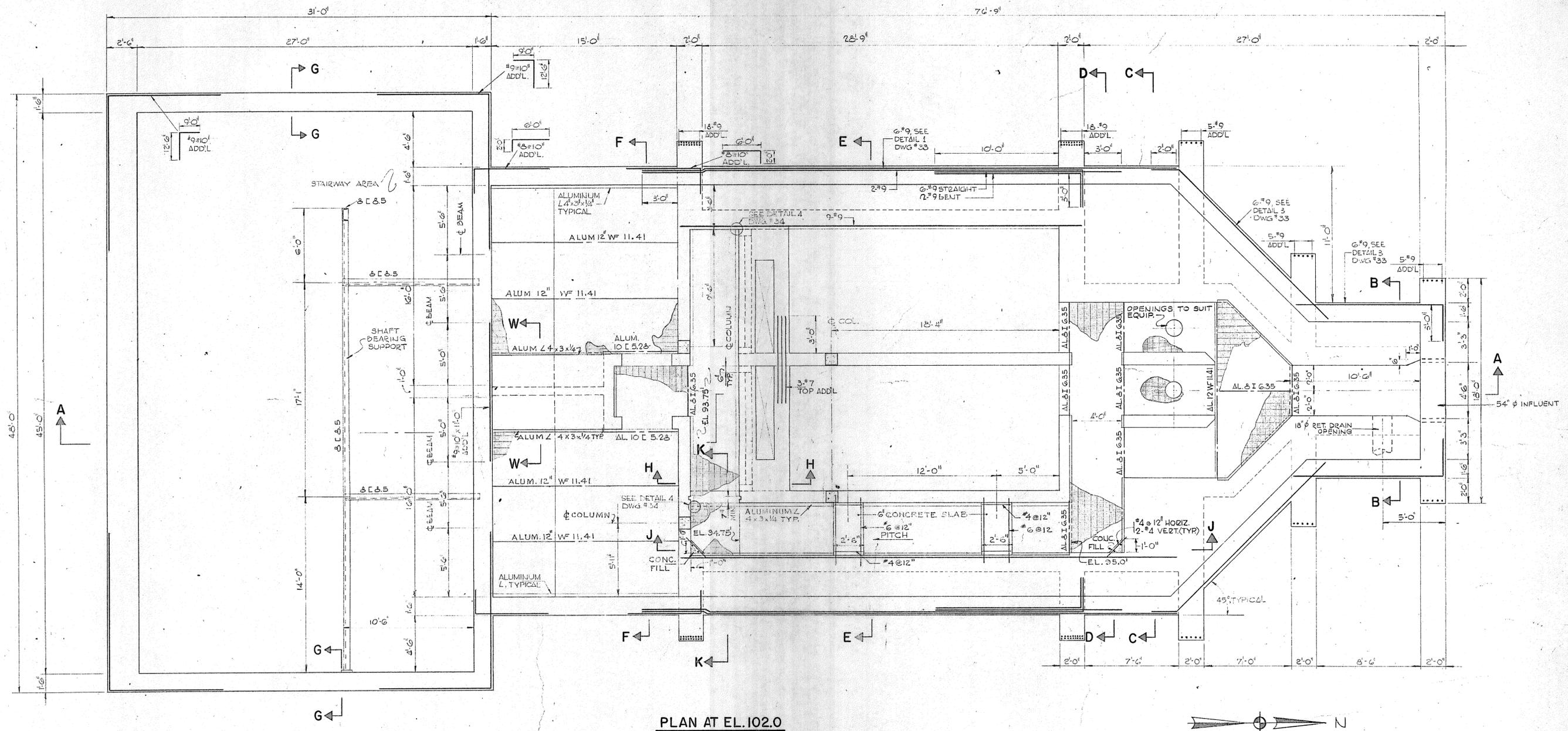
TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2  
 RAW SEWAGE PUMPING STATION  
**STRUCTURAL**  
 PLAN AT ELEVATION 93.0

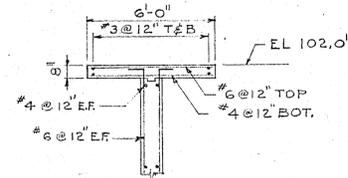
SCALE  
 AS NOTED

C. A. M. NO. 1165

DRAWING NO.  
**28**



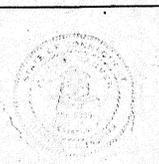
PLAN AT EL. 102.0



SECTION W-W

- NOTES
1. SECTIONS A, B, C, D: SEE DRAWING No. 32
  2. SECTIONS E, F, G: SEE DRAWING No. 33
  3. SECTIONS H, J, K: SEE DRAWING No. 34
  4. GENERAL STRUCTURAL NOTES SEE DWG. No. 14
  5. TYPICAL GRATING DETAILS SEE DWG. No. 14
  6. TYPICAL STRUCTURAL DETAILS SEE DWG. No. 14
  7. FOR EXACT SIZE AND LOCATION OF PIPE OPENINGS SEE DRAWINGS 20 AND 21.
  8. FOR REFERENCE SEE ARCH. DWG. No. 7/2

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE



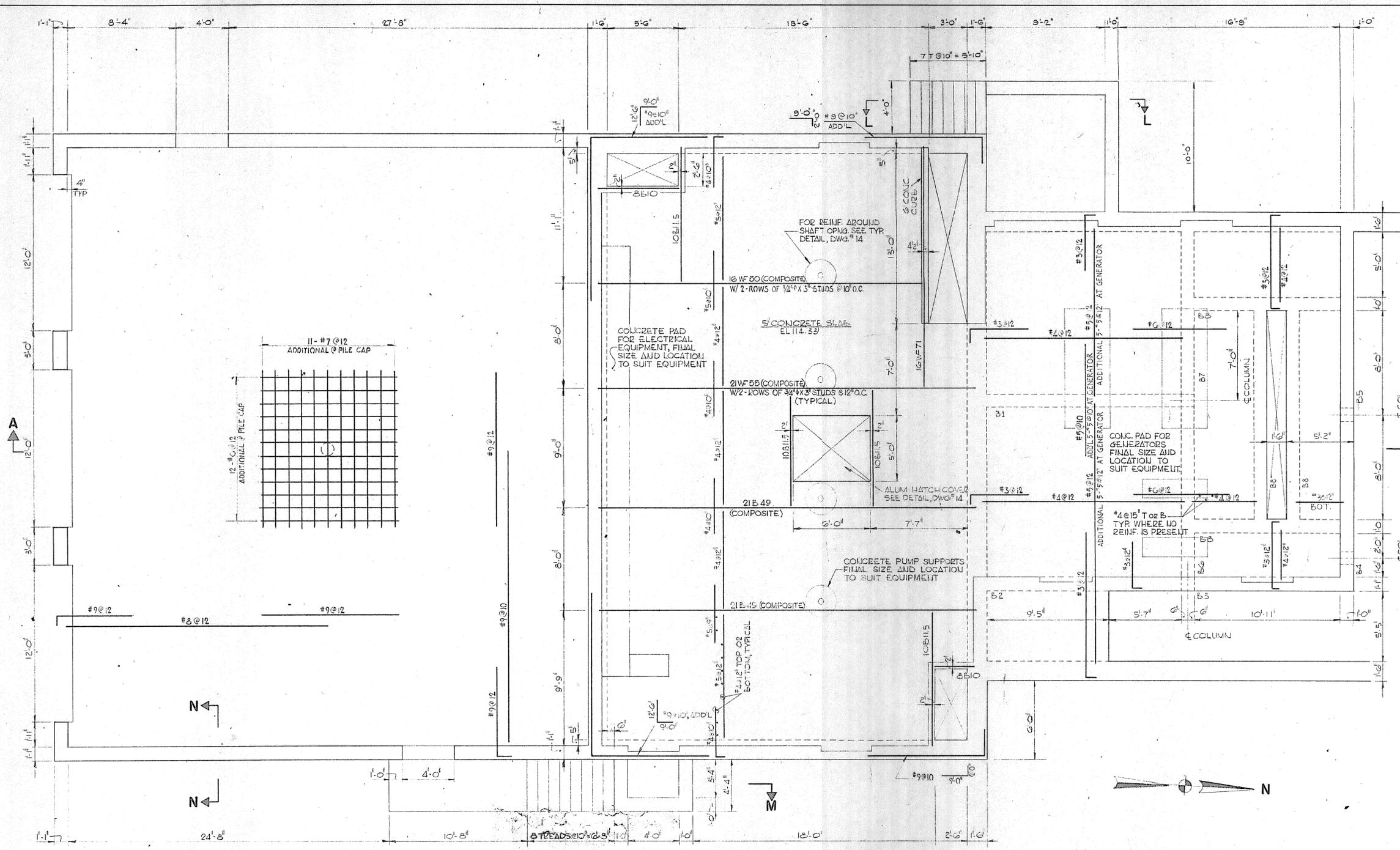
DRAWN: E. COSTA      DESIGNED: H. MORSILI  
 CHECKED: V. SYLVIA      APPROVED: C. HIRSCH  
 DATE: AUGUST, 1970

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 PROVIDENCE, R.I.      WETHERSFIELD, CONN.      BOSTON, MASS.

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TOWN OF STRATFORD, CONNECTICUT  
 SYSTEM OF SEWERS  
 CONTRACT NO. 2  
 RAW SEWAGE PUMPING STATION AND INLET WORKS  
 STRUCTURAL  
 PLAN AT EL. 102.0

SCALE  
 1/4" = 1'-0"  
 C. A. M. NO. 1165  
 DRAWING NO.  
 29



BEAM SCHEDULE			
BEAM SIZE	REINFORCING	STIRRUPS	
B 1 12x20'	5-#7 2-#4 TYP 3-#9	2-#9 TYP	#3 U 3@8 L.E. BAL@12'
B 2 13x20'	3-#7	2-#8	#3 U @12'
B 3 13x20'	2-#4	3-#9	#3 U @12'
B 4 12x20'	3-#6	3-#9	#3 U 3@8 RE. BAL@12'
B 5 12x20'	3-#6	3-#9	#3 U 4@8, 2@8 L.E. 3@8 RE. BAL@12'
B 6 12x20'	2-#5	4-#8	#3 U 4@8 E.E. BAL@12'
B 7 12x20'	3-#8	3-#8	#3 U 4@8 E.E. BAL@12'
B 8 12x20'	2-#4	3-#8	#3 U @12'

PLAN AT EL. 114.5'  
SCALE: 1/4" = 1'-0"

- NOTES:**
- SECTION A SEE DRAWING # 32
  - SECTIONS L-V-V SEE DRAWING # 34
  - GENERAL STRUCTURAL NOTES SEE DRAWING # 14
  - TYPICAL STRUCTURAL DETAILS SEE DRAWING # 14
  - FINAL SIZES AND LOCATIONS OF ALL CONC. PADS FOR BOILERS, PUMPS, COMPRESSORS, TANKS, ELECTRICAL PANELS, ETC. SHALL BE DETERMINED BY TYPE OF EQUIPMENT PURCHASED.
  - FOR REFERENCE SEE ARCH. DWG. # 2.2

DRAWN: E. COSTA      DESIGNED: H. MORSILLI  
 CHECKED: V. SYLVIA      APPROVED: C. HIRSCH  
 DATE: AUGUST, 1970

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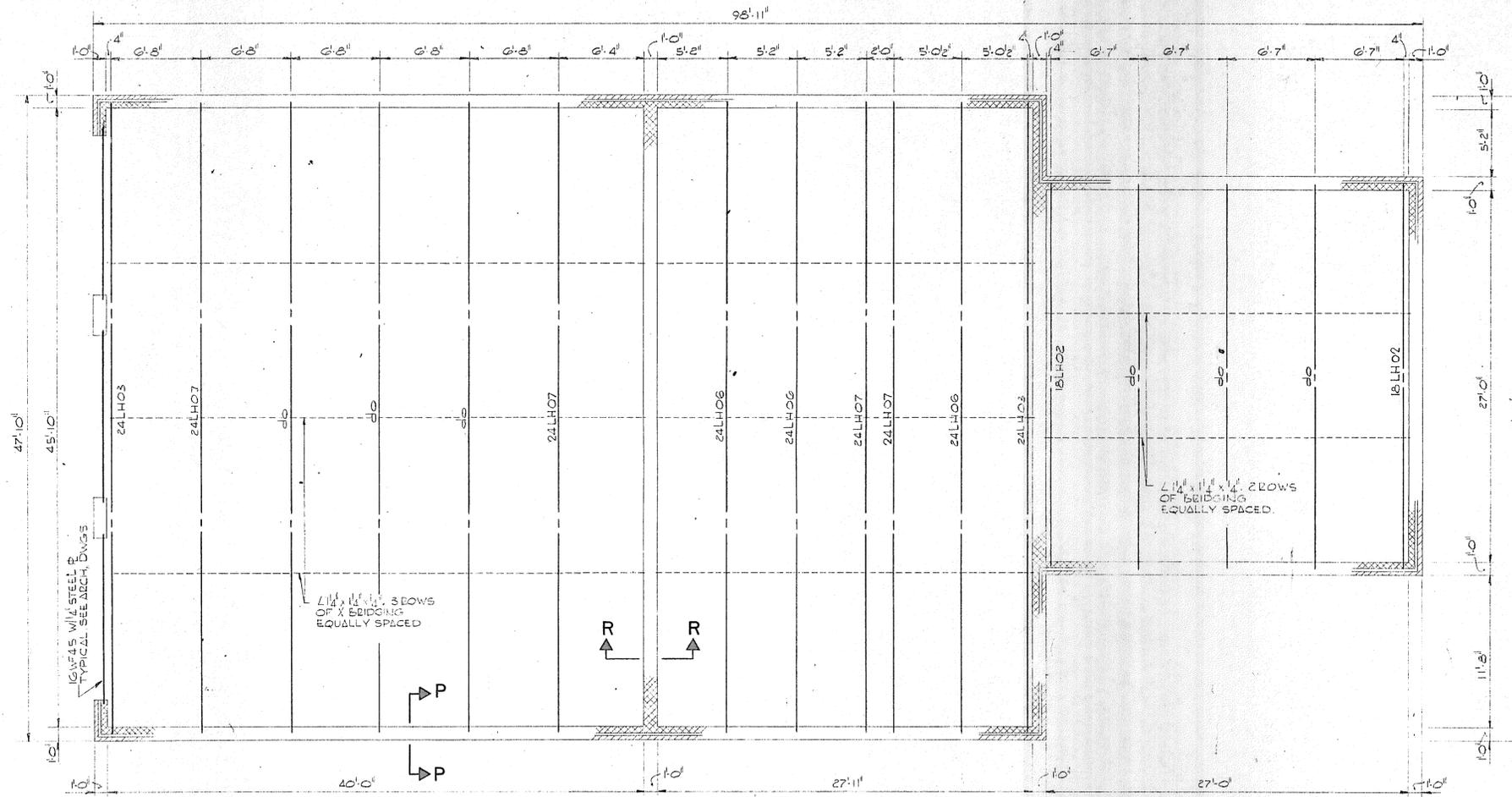
APPROVED  
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TOWN OF STRATFORD, CONNECTICUT  
 SYSTEM OF SEWERS  
 CONTRACT NO. 2  
 RAW SEWAGE PUMPING STATION AND INLET WORKS  
 STRUCTURAL  
 PLAN AT ELEVATIONS 114.5

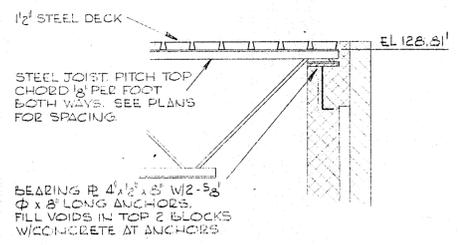
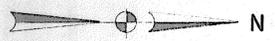
SCALE  
 AS NOTED  
 C.A.M. NO. 1165  
 DRAWING NO.  
 30

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE

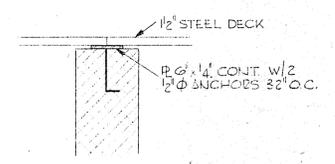




**ROOF FRAMING PLAN**  
SCALE 3/16" = 1'-0"



**SECTION P-P**  
SCALE 3/4" = 1'-0"



**SECTION R-R**  
SCALE 3/4" = 1'-0"

- NOTES:**
1. TYPICAL STRUCTURAL DETAILS SEE DWG. 14
  2. GENERAL STRUCTURAL NOTES SEE DWG. 14
  3. FOR REFERENCE SEE ARCHITECTURAL DWG. 26

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE



DRAWN: J. MEDEIROS      DESIGNED: H. MORSILLI  
 CHECKED: V. SYLVIA      APPROVED: C. HIRSCH  
 DATE: AUGUST, 1970

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 TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2

RAW SEWAGE PUMPING STATION AND INLET WORKS

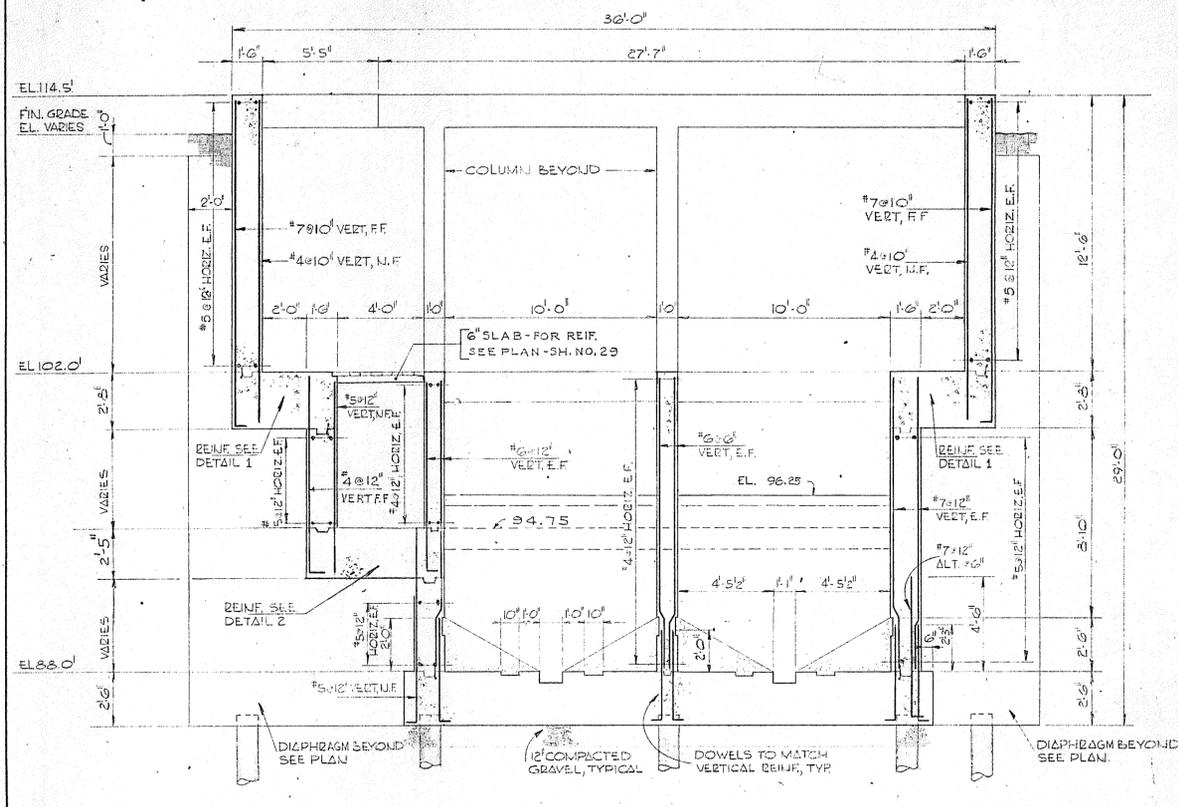
**STRUCTURAL**  
**ROOF FRAMING PLAN**

SCALE  
 AS NOTED

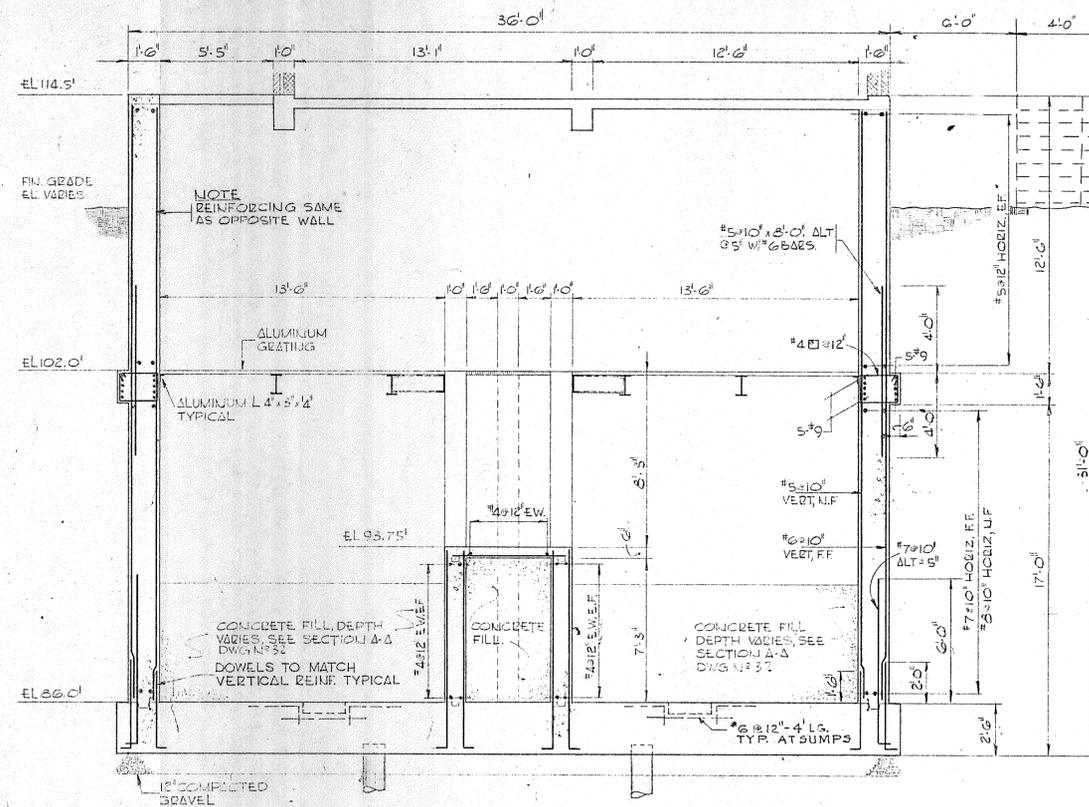
C. A. M. NO. 1165

DRAWING NO.  
**31**

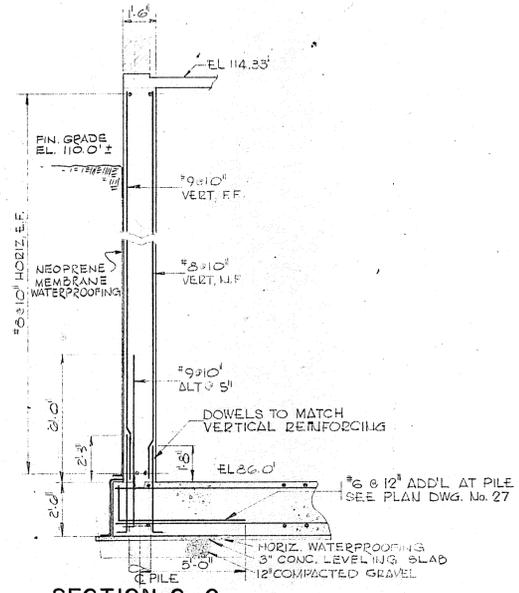




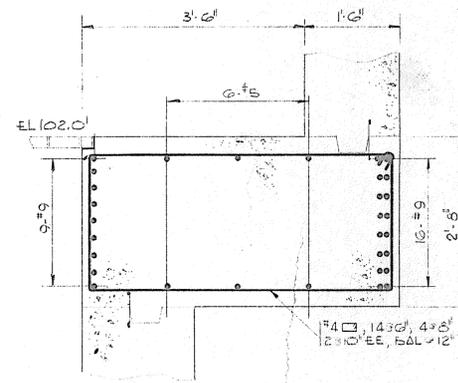
**SECTION E-E**  
SCALE 1/4" = 1'-0"



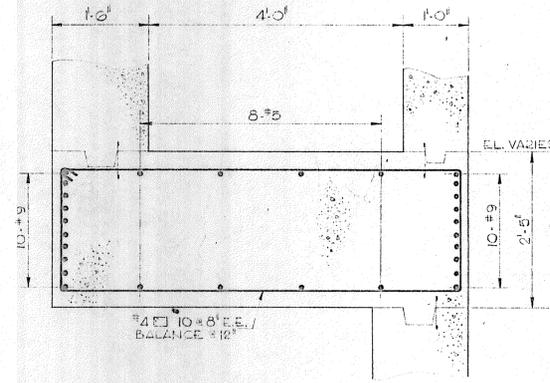
**SECTION F-F**  
SCALE 1/4" = 1'-0"



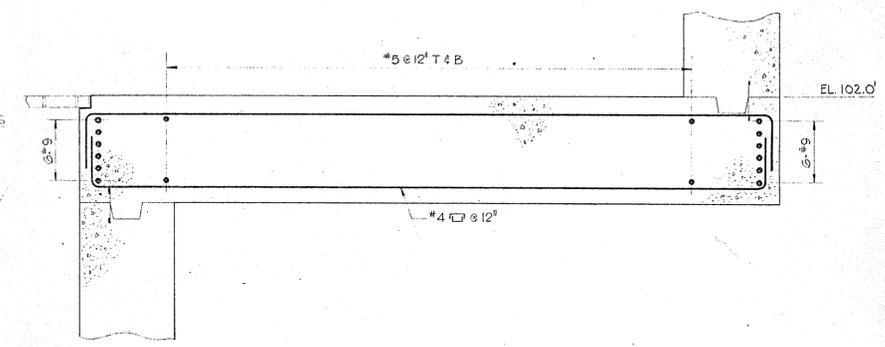
**SECTION G-G**  
SCALE 1/4" = 1'-0"



**DETAIL 1**  
SCALE 3/4" = 1'-0"



**DETAIL 2**  
SCALE 3/4" = 1'-0"



**DETAIL 3**  
SCALE 3/4" = 1'-0"

- NOTES:
1. GENERAL STRUCTURAL NOTES AND TYPICAL STRUCTURAL DETAILS SEE DWG. #14
  2. FOR EXACT SIZE AND LOCATION OF PIPE OPENINGS SEE DRAWINGS 20 AND 21
  3. WATERPROOFING DETAILS SEE TYPICAL STRUCT. DETAILS DWG. #14

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE

DRAWN: E. COSTA      DESIGNED: H. MORSILLI  
 CHECKED: V. SYLVIA      APPROVED: C. HIRSCH  
 DATE: AUGUST, 1970

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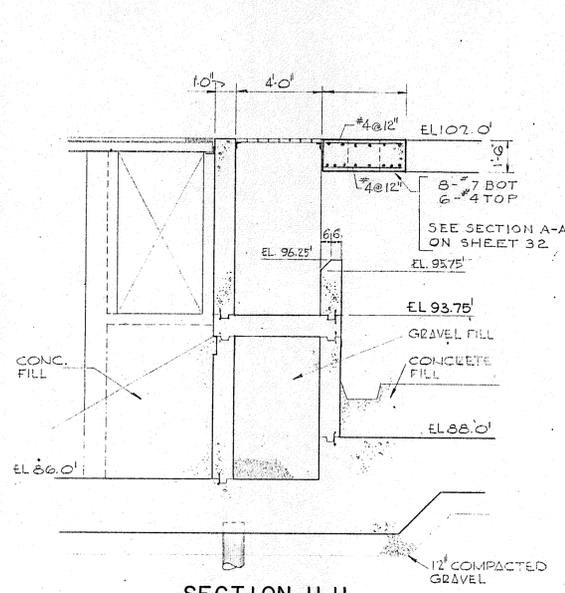
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TOWN OF STRATFORD

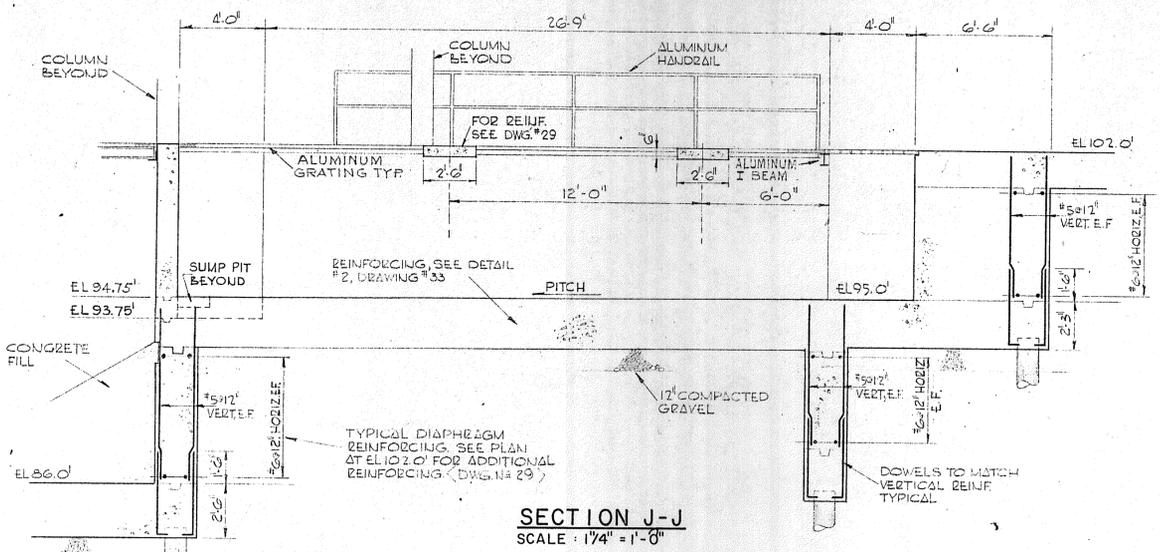
TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2

RAW SEWAGE PUMPING STATION AND INLET WORKS  
**STRUCTURAL SECTIONS**

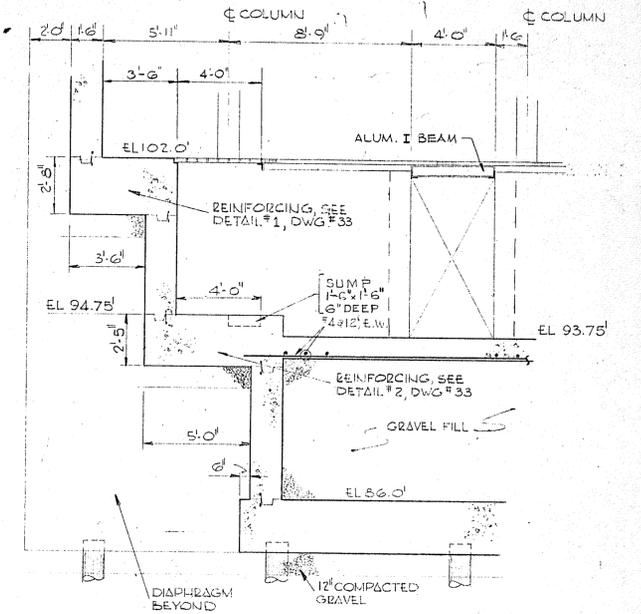
SCALE AS NOTED  
 C. A. M. NO. 1165  
 DRAWING NO. **33**



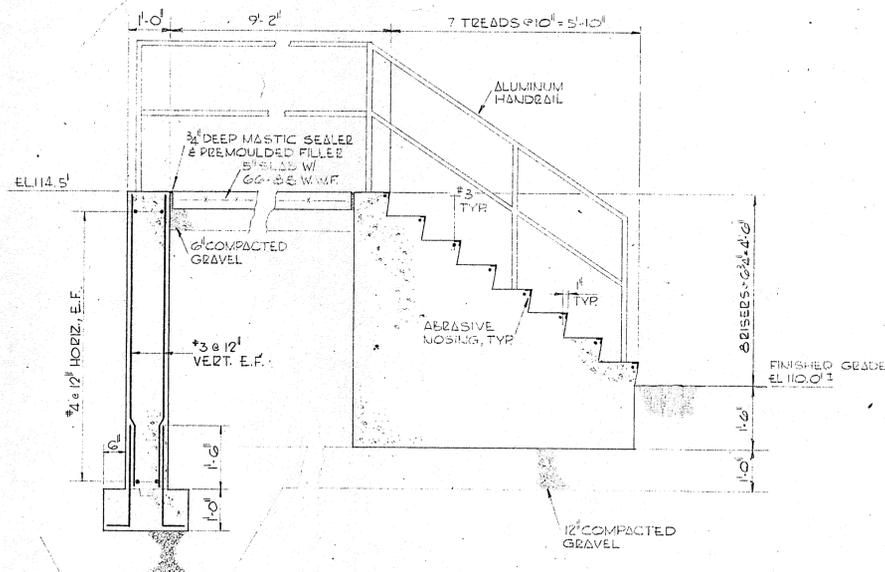
**SECTION H-H**  
SCALE: 1/4" = 1'-0"



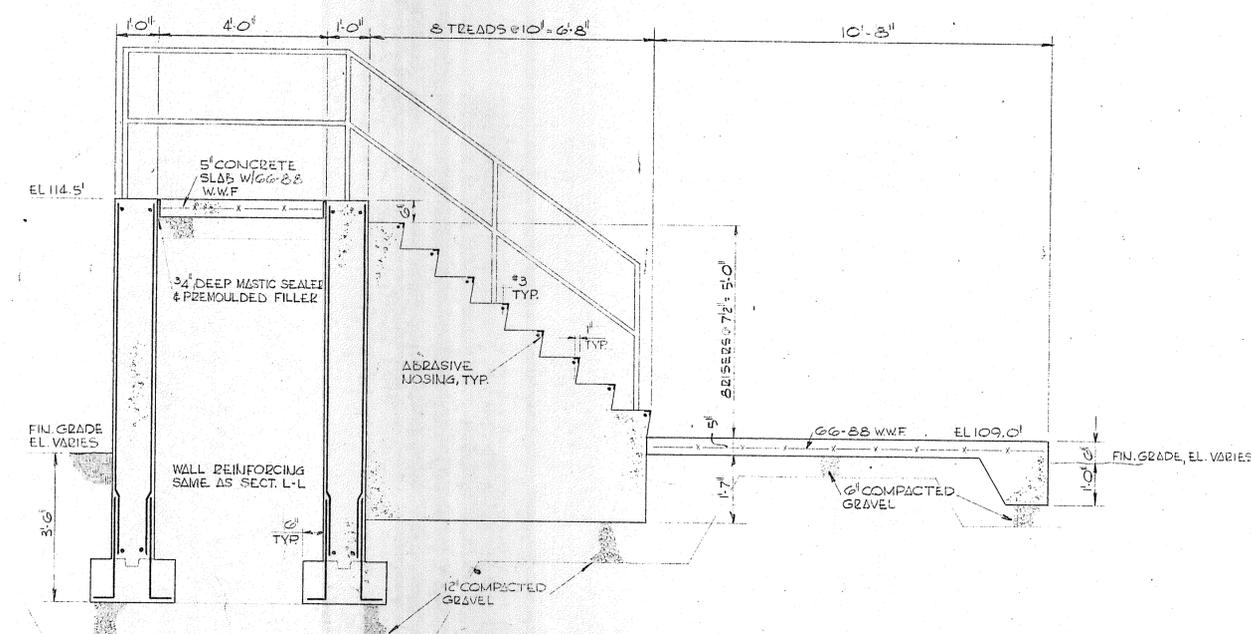
**SECTION J-J**  
SCALE: 1/4" = 1'-0"



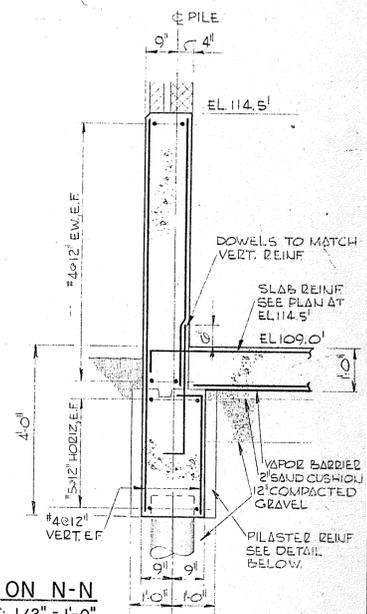
**SECTION K-K**  
SCALE: 1/4" = 1'-0"



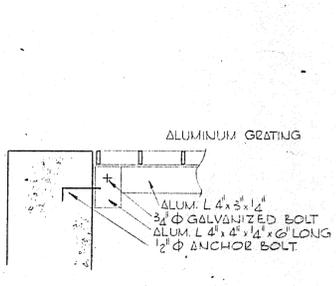
**SECTION L-L**  
SCALE: 1/2" = 1'-0"



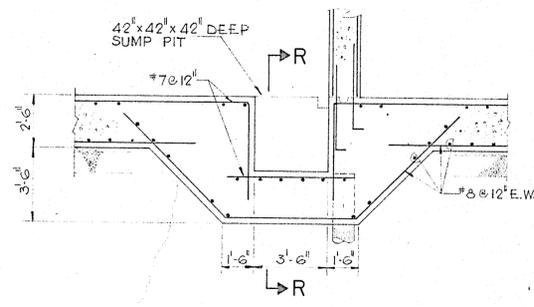
**SECTION M-M**  
SCALE: 1/2" = 1'-0"



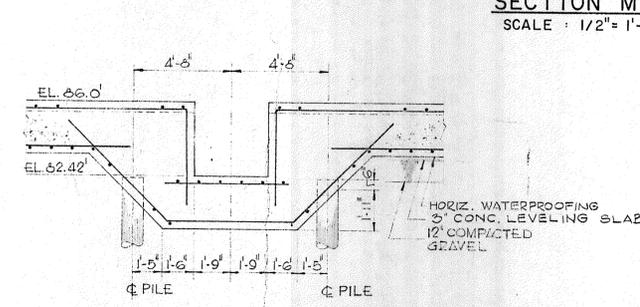
**SECTION N-N**  
SCALE: 1/2" = 1'-0"



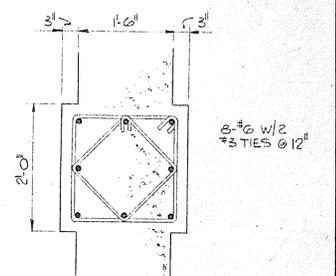
**DETAIL 4**  
SCALE: 1" = 1'-0"



**SECTION Q-Q**  
SCALE: 1/4" = 1'-0"



**SECTION R-R**  
SCALE: 1/4" = 1'-0"



**PILASTER DETAIL**  
SCALE: 3/4" = 1'-0"

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE

DRAWN: J. MEDEIROS      DESIGNED: H. MORSILLI  
 CHECKED: V. SYLVIA      APPROVED: C. HIRSCH  
 DATE: AUGUST, 1970

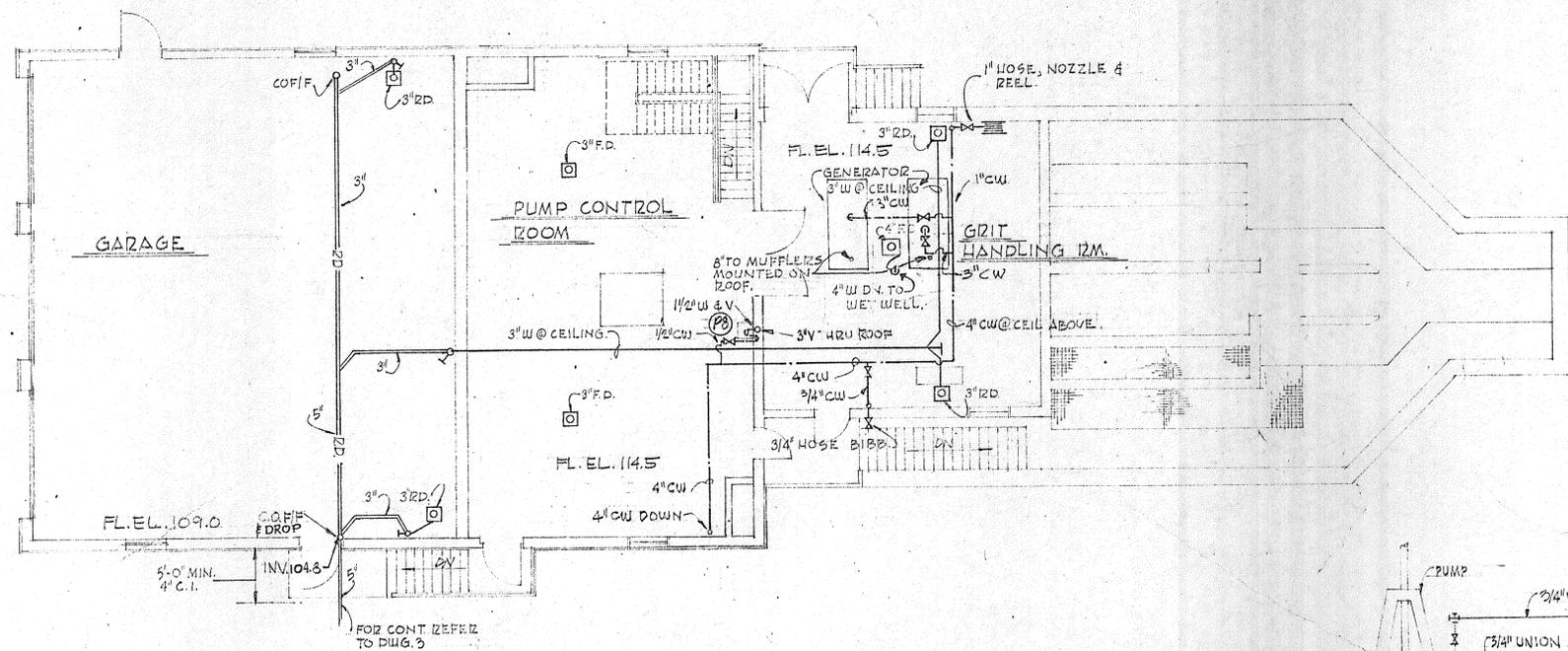
**CHARLES A. MAGUIRE & ASSOCIATES**  
 ENGINEERS  
 PROVIDENCE, R.I.      WETHERFIELD, CONN.      BOSTON, MASS.

APPROVED: \_\_\_\_\_  
 TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2

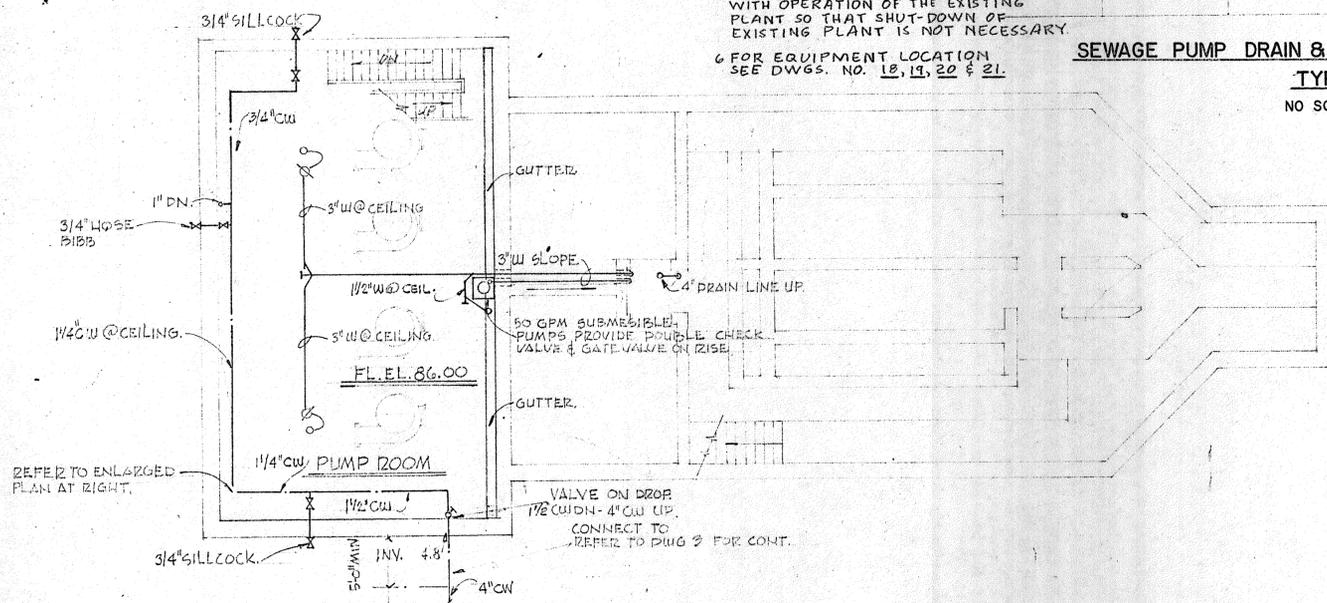
RAW SEWAGE PUMPING STATION & INLET WORKS  
**STRUCTURAL SECTIONS**

SCALE AS NOTED  
 C.A.M. NO. 1165  
 DRAWING NO. **34**



**PLAN AT ELEVATION 114.5**

SCALE: 1/8" = 1'-0"  
(SANITARY WASTE & WATER)



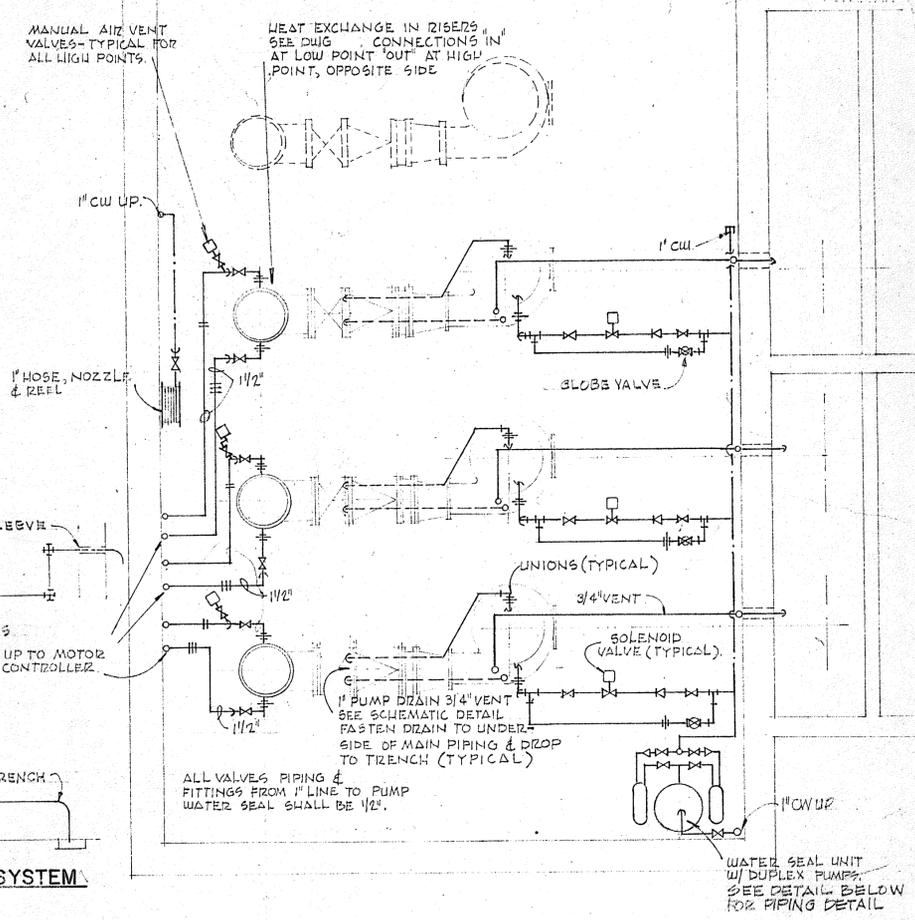
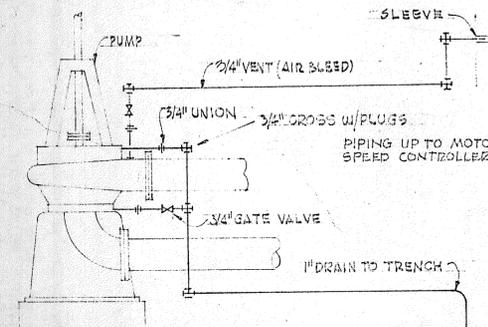
**PLAN AT ELEVATION 102.0**

SCALE: 1/8" = 1'-0"  
(SANITARY WASTE & WATER)

- NOTES:**
1. REFER TO DWG. 122 FOR GENERAL NOTES & LEGEND.
  2. WATER SEAL UNITS ARE SPECIFIED UNDER MECHANICAL EQUIPMENT SPECIFICATIONS.
  3. INSTALL PUMP DRAIN & AIR BLEED SYSTEM ON EACH SEWAGE PUMP.
  4. ALL PIPING FOR WATER SEAL UNIT & HEAT EXCHANGERS TO BE BY PLUMBER.
  5. ALL WORK SHALL BE COORDINATED WITH OPERATION OF THE EXISTING PLANT SO THAT SHUT-DOWN OF EXISTING PLANT IS NOT NECESSARY.
  6. FOR EQUIPMENT LOCATION SEE DWGS. NO. 18, 19, 20 & 21.

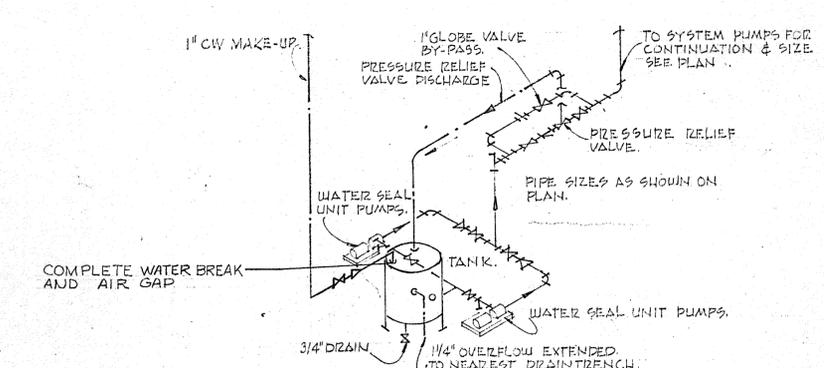
**SEWAGE PUMP DRAIN & AIR BLEED SYSTEM**

TYPICAL  
NO SCALE



**PLAN AT ELEVATION 86.0**

SCALE: 1/4" = 1'-0"  
(WATER SEAL PIPING)

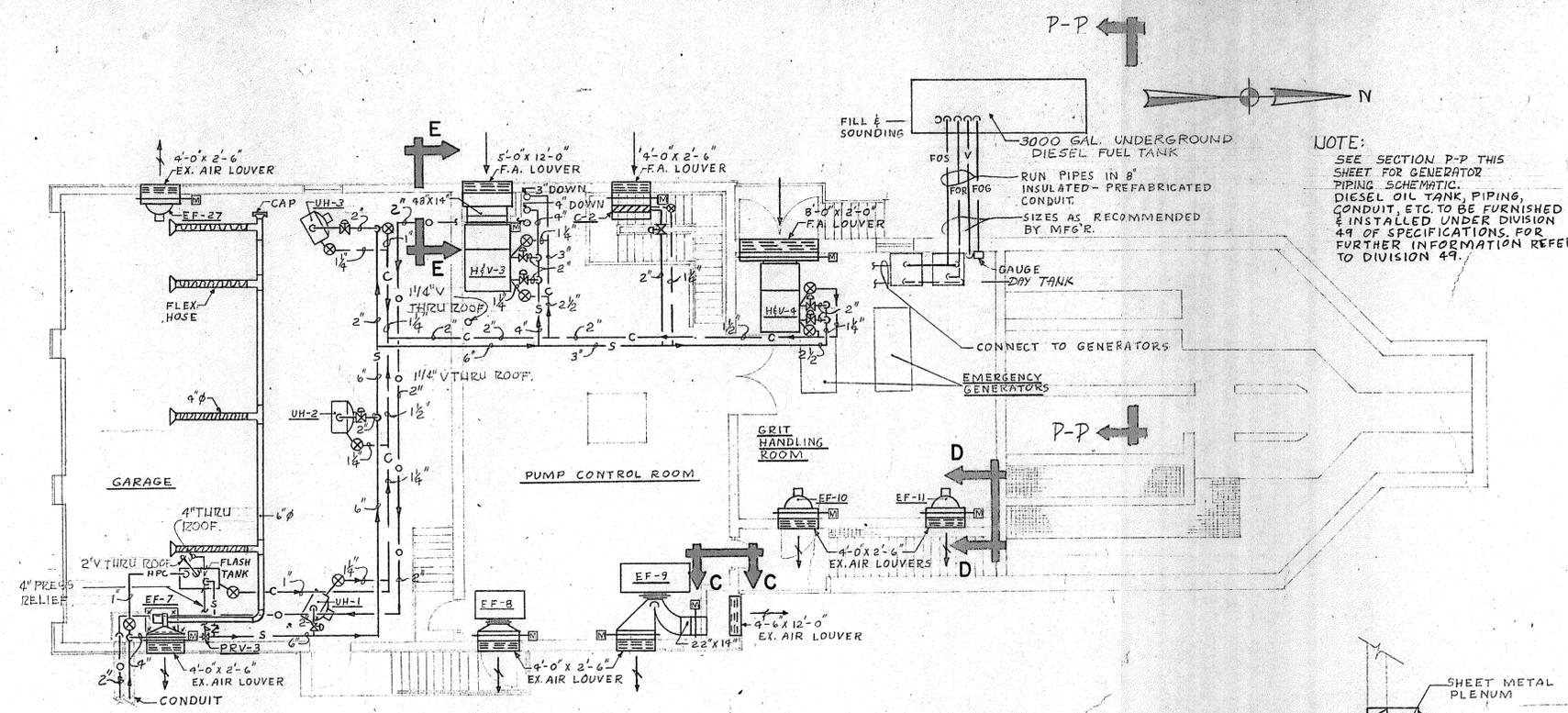


**DETAIL OF WATER SEAL UNIT AND PIPING**

NO SCALE

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE

	DRAWN: F.E. MCKNIGHT    DESIGNED: B.W. RYLAH CHECKED: D.C. RAICHE    APPROVED: T.L. CARVOUNIS DATE: AUGUST, 1970	TOWN OF STRATFORD, CONNECTICUT <b>SYSTEM OF SEWERS</b> CONTRACT NO. 2 RAW SEWAGE PUMPING STATION AND INLET WORKS <b>PLUMBING</b> PLAN & DETAILS	SCALE AS NOTED
	CHARLES A. MAGUIRE & ASSOCIATES ENGINEERS PROVIDENCE, R.I.    WETHERSFIELD, CONN.    BOSTON, MASS.		APPROVED TOWN OF STRATFORD



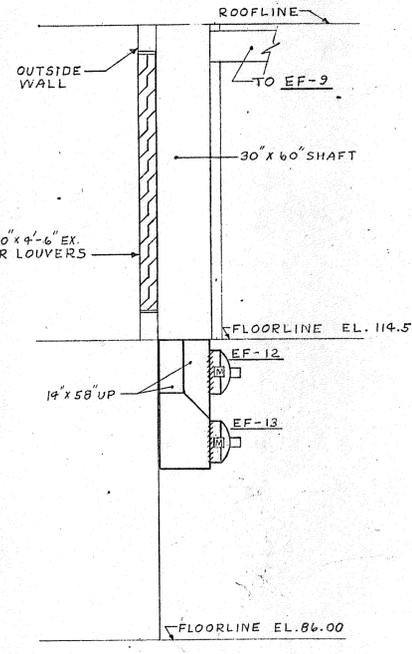
AIR CONDITIONING UNIT SCHEDULE												
SYM	MFG'R	MODEL	CFM	SP	IP	MBH		COMP	SIZE			REMARKS
						COOL	HEAT		W	D	H	
AC-1	TRANE	SUM-30	1300	2	1/2	34.7	71	3.1 KW	32	22 1/2	42	BLOWER BLDG., CONTROL RM.
AC-2	"	SUM-75	3000	1	1 1/2	92.8	-	8.0 KW	41	27	81	CONTROL BLDG., OFFICES
AC-3	"	SUM-30	1300	2	1/2	34.9	100	3.1 KW	32	22 1/2	42	CONTROL BLDG., CAB.
AC-4	SPACE COND.	15C-15	1500	-	1/8	16.5	17.2	12.7 AMPS	50	15 1/2	25	INC. BLDG. - CONFERENCE ROOMS LUNCH & OPERATIONS ROOMS

COIL SCHEDULE												
COIL NO.	MFG.	TYPE	CFM	MBH	GPM	COIL SIZE	LOCATION	SIZE	REMARKS			
									INSTR. REC.	SUPERV. OFF.	GEN. OFF.	NEW OFF.
R-1	FRANE	2 TON	600	2.6	2.6	1	INSTR. REC.	24" X 6"				CONTROL BUILDING
R-2	"	"	300	1.3	1.3	.5	SUPERV. OFF.	12" X 6"				"
R-3	"	"	500	2.2	2.2	.83	GEN. OFF.	24" X 6"				"
R-4	"	"	700	3.02	3.0	1.4	NEW OFF.	24" X 6"				"
C-1	"	T-BLOW	3500	2.70	-	5.8	BLOWER ROOM	48" X 18"				BLOWER BUILDING
C-2	"	T	2500	1.90	-	4.7	CONTROL PUMP RM.	54" X 12"				RAW SEWAGE
C-3	"	T	8000	6.00	-	13.3	PUMP RM.	60" X 33"				"
C-4	"	T	8000	6.00	-	13.3	PUMP RM.	60" X 33"				INCINERATOR BLDG.
C-5	"	T	5000	3.80	-	8.3	THICKENING RM.	48" X 30"				"
C-6	"	T	7000	5.30	-	11.7	FILTER RM.	54" X 33"				"
C-7	"	T	10000	4.40	-	16.5	TUNNEL	72" X 33"				PREHEAT
C-8	"	T	10000	4.40	-	16.5	"	72" X 33"				REHEAT
C-9	"	T	6000	4.80	-	10	BASEMENT	48" X 30"				CONTROL BLDG.

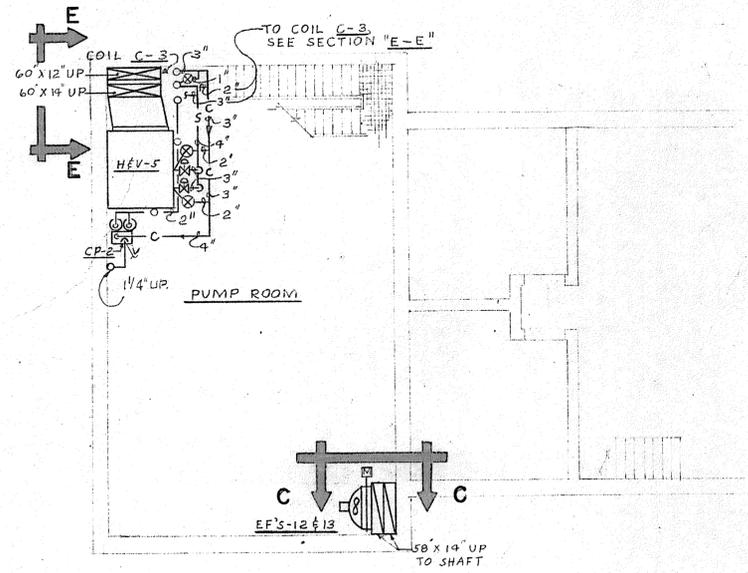
SLUDGE ROOM EL. 115.0  
SCALE: 1/8" = 1'-0"

SECTION "D-D"  
NO SCALE

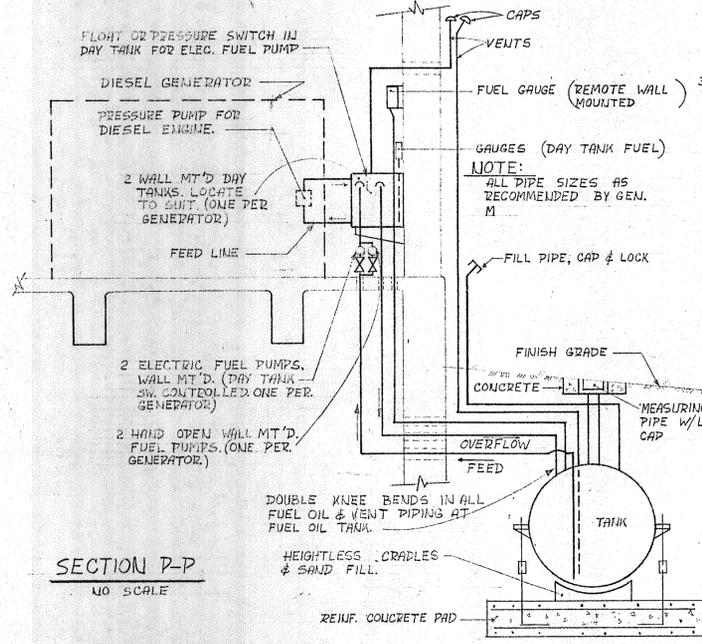
CONDENSATE PUMP SCHEDULE												
SYM	MFG.	MODEL	TANK CAP.	DIS. PRES.	H.P.	RPM	GPM	REMARKS				
								BLLOWER BUILDING	RAW SEWAGE BLDG.	CONTROL BLDG.	TUNNEL	INC. ROOM
CP-1	FEDERAL	CCV 2530	45 GAL.	30	1 1/2	1750	37 1/2					BLLOWER BUILDING
CP-2	"	CCV 1530	35 "	"	1 1/2	"	22 1/2					RAW SEWAGE BLDG.
CP-3	"	"	35 GAL.	30	1 1/2	"	"					CONTROL BLDG.
CP-4	"	CCV 440	25 GAL.	40	2	"	"					TUNNEL
CP-5	"	"	25 "	"	"	"	"					"
CP-6	"	CCV 840	25 "	"	"	"	12					INC. ROOM
CP-7	"	"	25 "	"	"	"	"					PIPE GALLERY - H.W. TANK



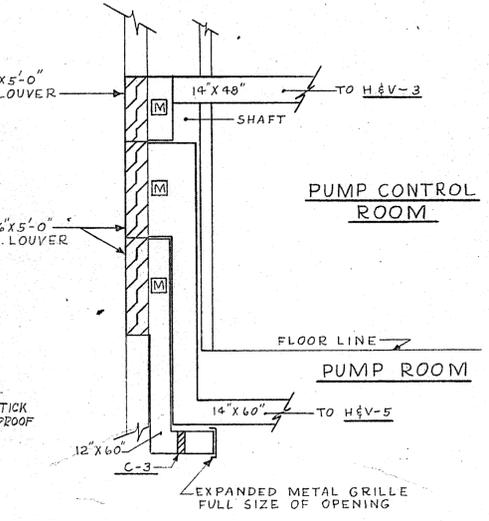
SECTION "C-C"  
NO SCALE



SLUDGE ROOM EL. 102.0  
SCALE: 1/8" = 1'-0"



SECTION P-P  
NO SCALE



SECTION "E-E"  
NO SCALE

NOTE: CAST IRON RECEIVER-DUPLEX WITH MECHANICAL ALTERNATORS & STARTERS, FACTORY WIRED

DRAWN: R. DESIDERATO DESIGNED: G.M. PETROCELLI  
 CHECKED: D.C. RAICHE APPROVED: T.L. CARVOUNIS  
 DATE: AUGUST, 1970  
 CHARLES A. MAGUIRE & ASSOCIATES ENGINEERS  
 PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.

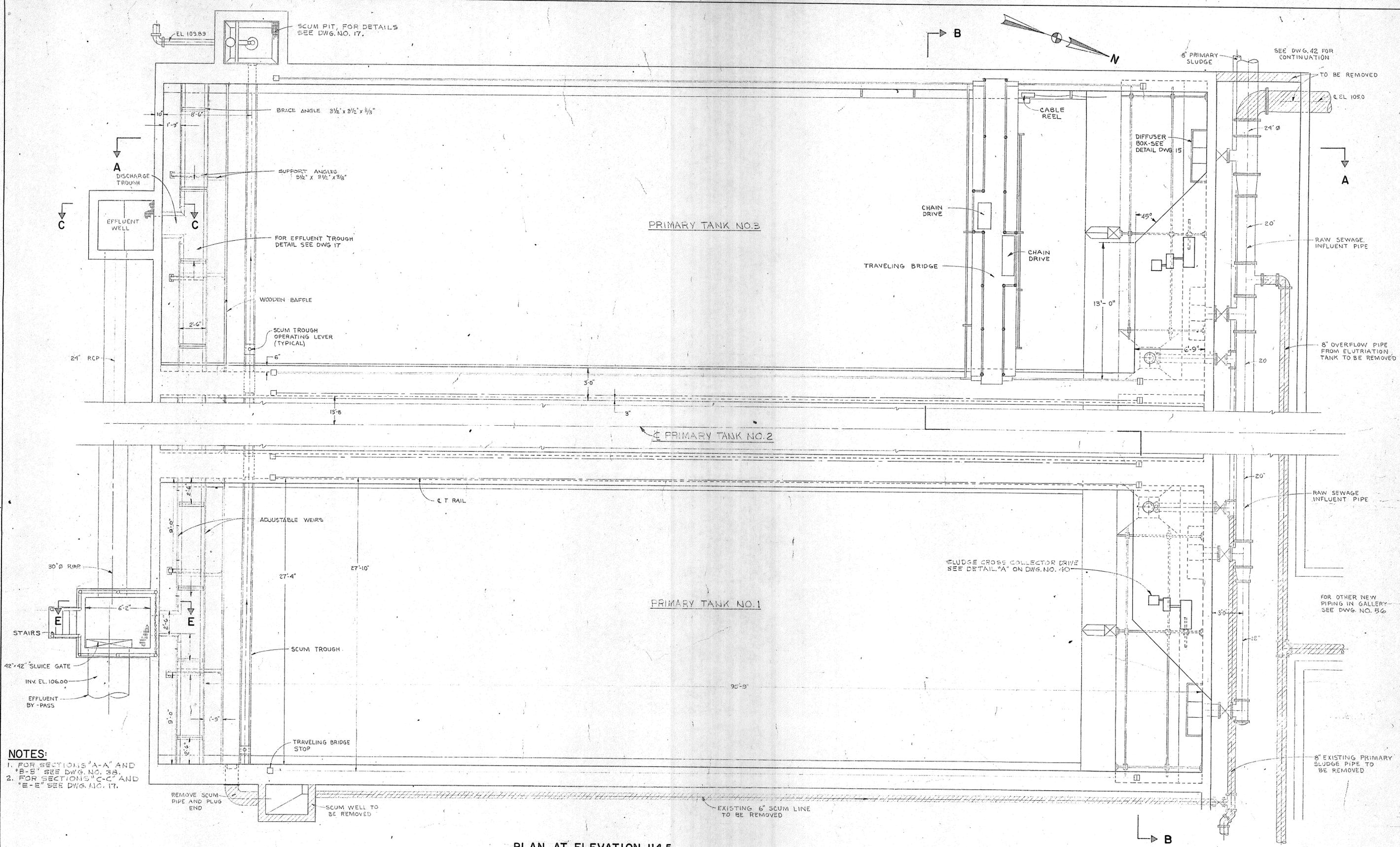
APPROVED  
 TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT  
 SYSTEM OF SEWERS  
 CONTRACT NO. 2  
 RAW SEWAGE PUMPING STATION AND INLET WORKS  
 HEATING AND VENTILATING PLAN

SCALE AS NOTED  
 C.A.M. NO. 1165  
 DRAWING NO. 36

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE





PLAN AT ELEVATION 114.5

- NOTES:**
- FOR SECTIONS "A-A" AND "B-B" SEE DWG. NO. 33.
  - FOR SECTIONS "C-C" AND "E-E" SEE DWG. NO. 17.

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE



DRAWN: P. ZAWADZKI      DESIGNED: H. CAMPBELL  
 CHECKED: H. CAMPBELL      APPROVED: P.T. CARVER  
 DATE: AUGUST, 1970

CHARLES A. MAGUIRE & ASSOCIATES  
 ENGINEERS

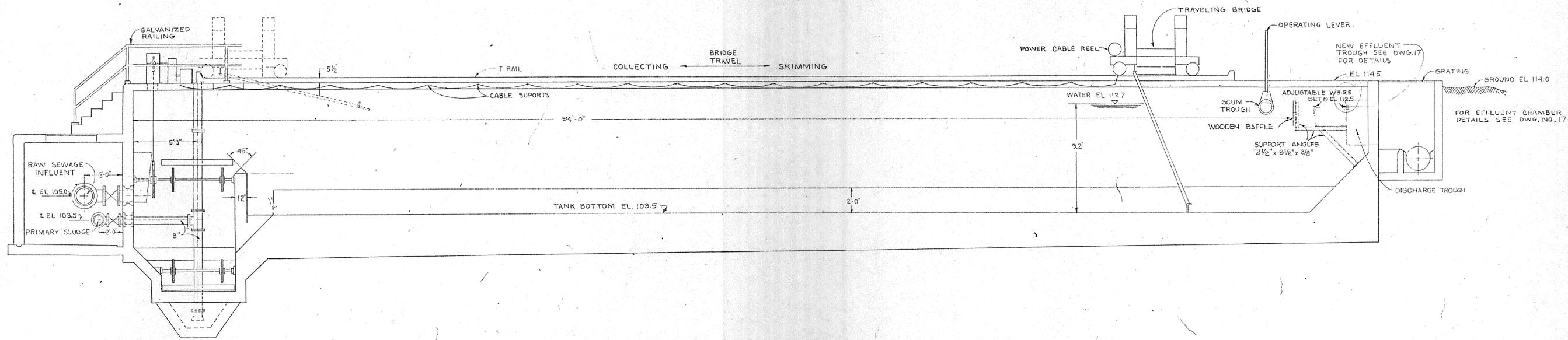
PROVIDENCE, R.I.      WETHERSFIELD, CONN.      BOSTON, MASS.

APPROVED

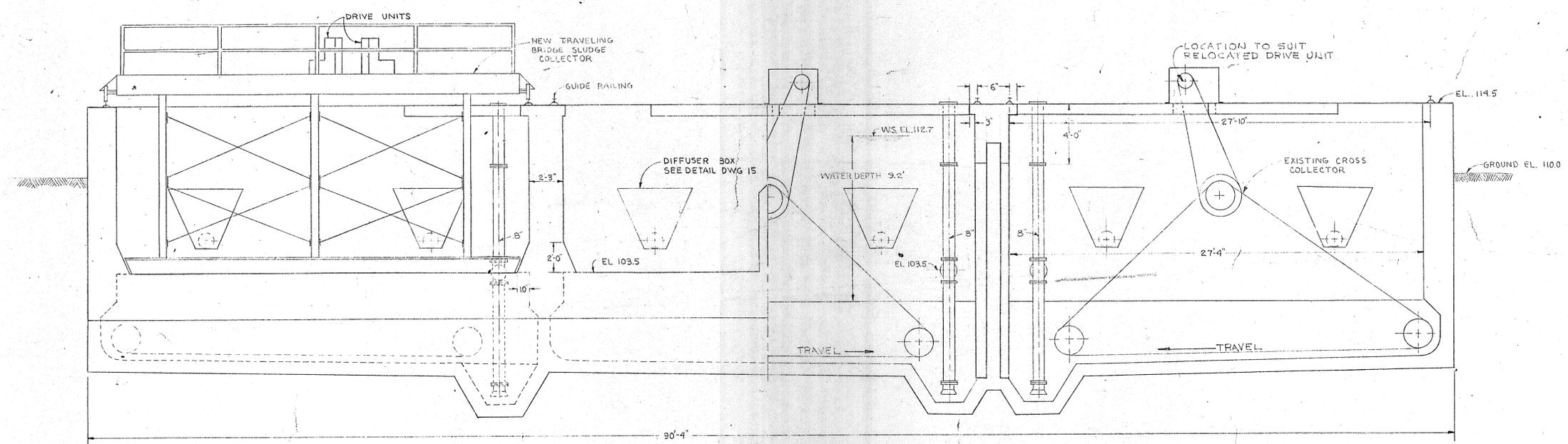
TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT  
 SYSTEM OF SEWERS  
 CONTRACT NO. 2  
 MODIFIED PRIMARY SETTLING TANKS  
 EQUIPMENT AND PIPING  
 PLAN

SCALE  
 1/4" = 1'-0"  
 C. A. M. NO. 1165  
 DRAWING NO.  
**37**



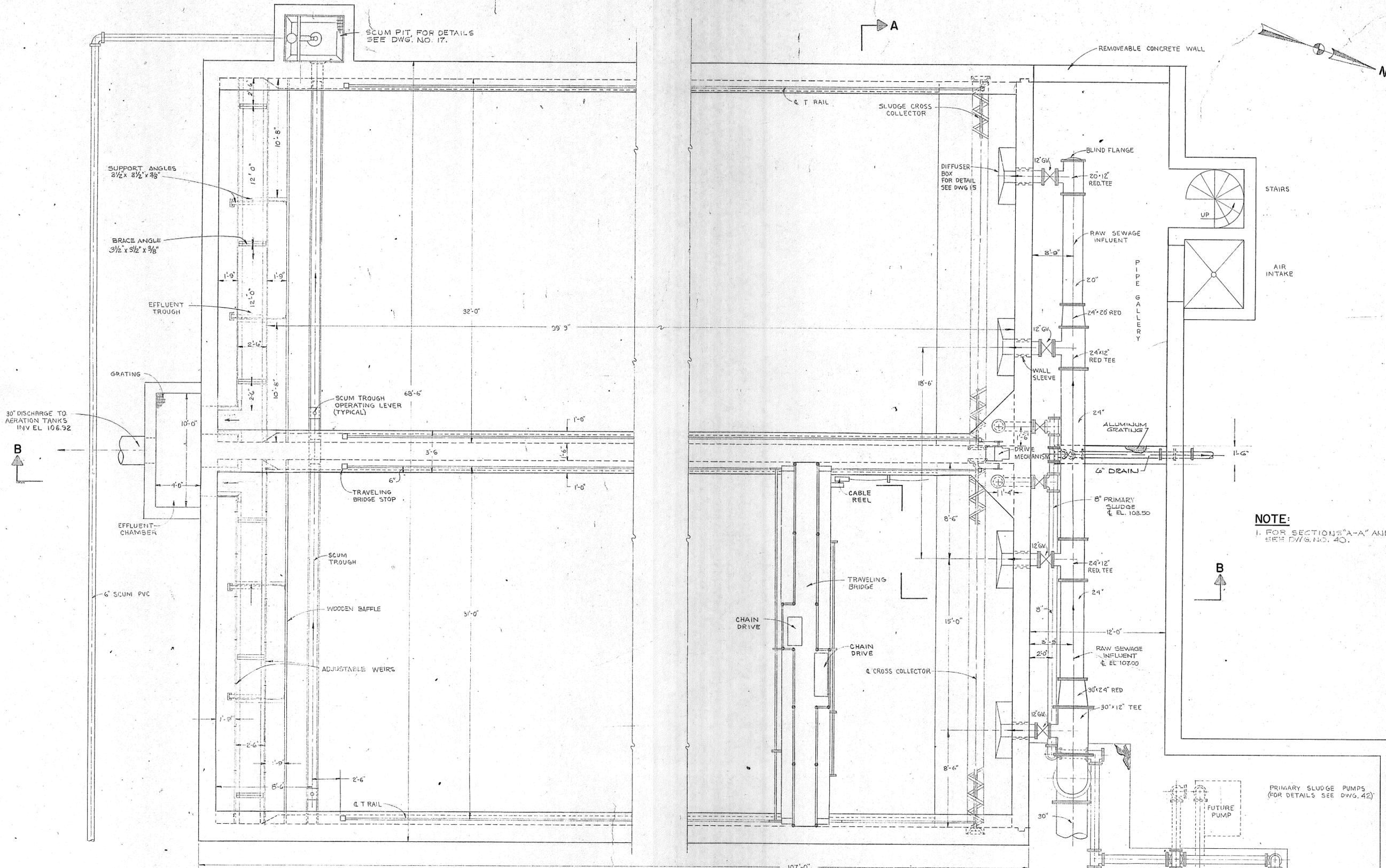
SECTION A-A



SECTION B-B

NOTE:  
FOR REFERENCE  
SEE DWG NO. 39.

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REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE																											



PLAN

NOTE:  
1. FOR SECTIONS "A-A" AND "B-B"  
SEE DWG. NO. 40.

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE



DRAWN: P. ZAWADZKI      DESIGNED: H. CAMPBELL  
 CHECKED: H. CAMPBELL    APPROVED: P.T. CARVER  
 DATE: AUGUST, 1970  
 CHARLES A. MAGUIRE & ASSOCIATES  
 ENGINEERS  
 PROVIDENCE, R.I.      WETHERSFIELD, CONN.      BOSTON, MASS.

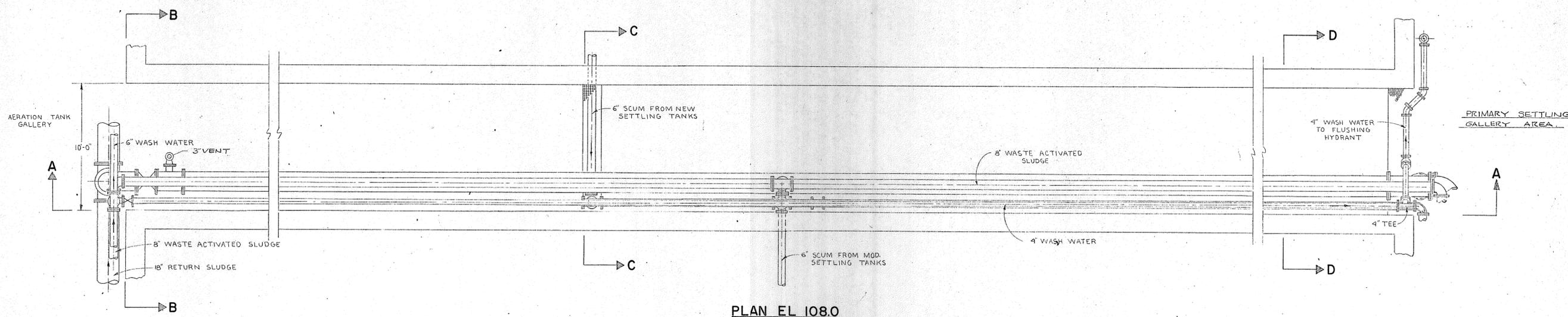
APPROVED

TOWN OF STRATFORD

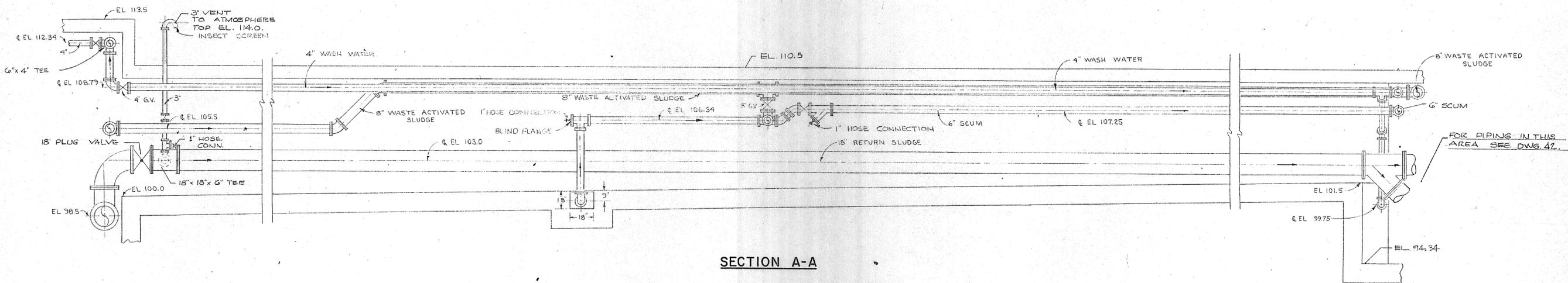
TOWN OF STRATFORD, CONNECTICUT  
 SYSTEM OF SEWERS  
 CONTRACT NO. 2  
 NEW PRIMARY SETTLING TANKS  
 EQUIPMENT AND PIPING  
 PLAN

SCALE  
 1/4" = 1'-0"  
 C. A. M. NO. 1165  
 DRAWING NO.  
 39

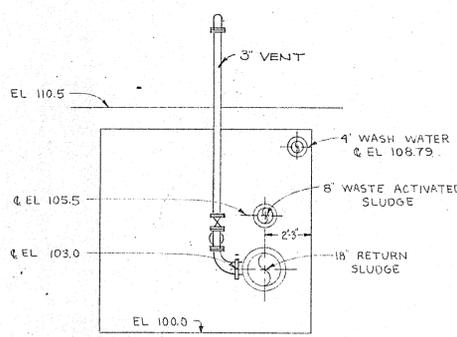




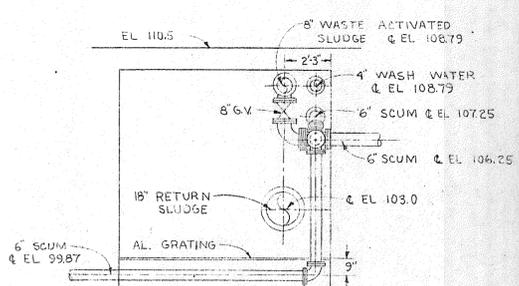
PLAN EL 108.0



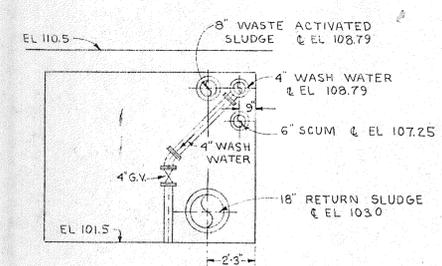
SECTION A-A



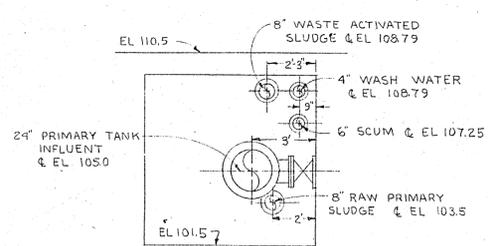
SECTION B-B



SECTION C-C



SECTION D-D



SECTION E-E

**NOTE:**  
SEE DWG NO 42 FOR PLAN OF SECTION E-E

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE



DRAWN: P. ZAWADZKI    DESIGNED: H. CAMPBELL  
 CHECKED: H. CAMPBELL    APPROVED: P.T. CARVER  
 DATE: AUGUST, 1970

**CHARLES A. MAGUIRE & ASSOCIATES**  
 ENGINEERS

PROVIDENCE, R.I.    WETHERSFIELD, CONN.    BOSTON, MASS.

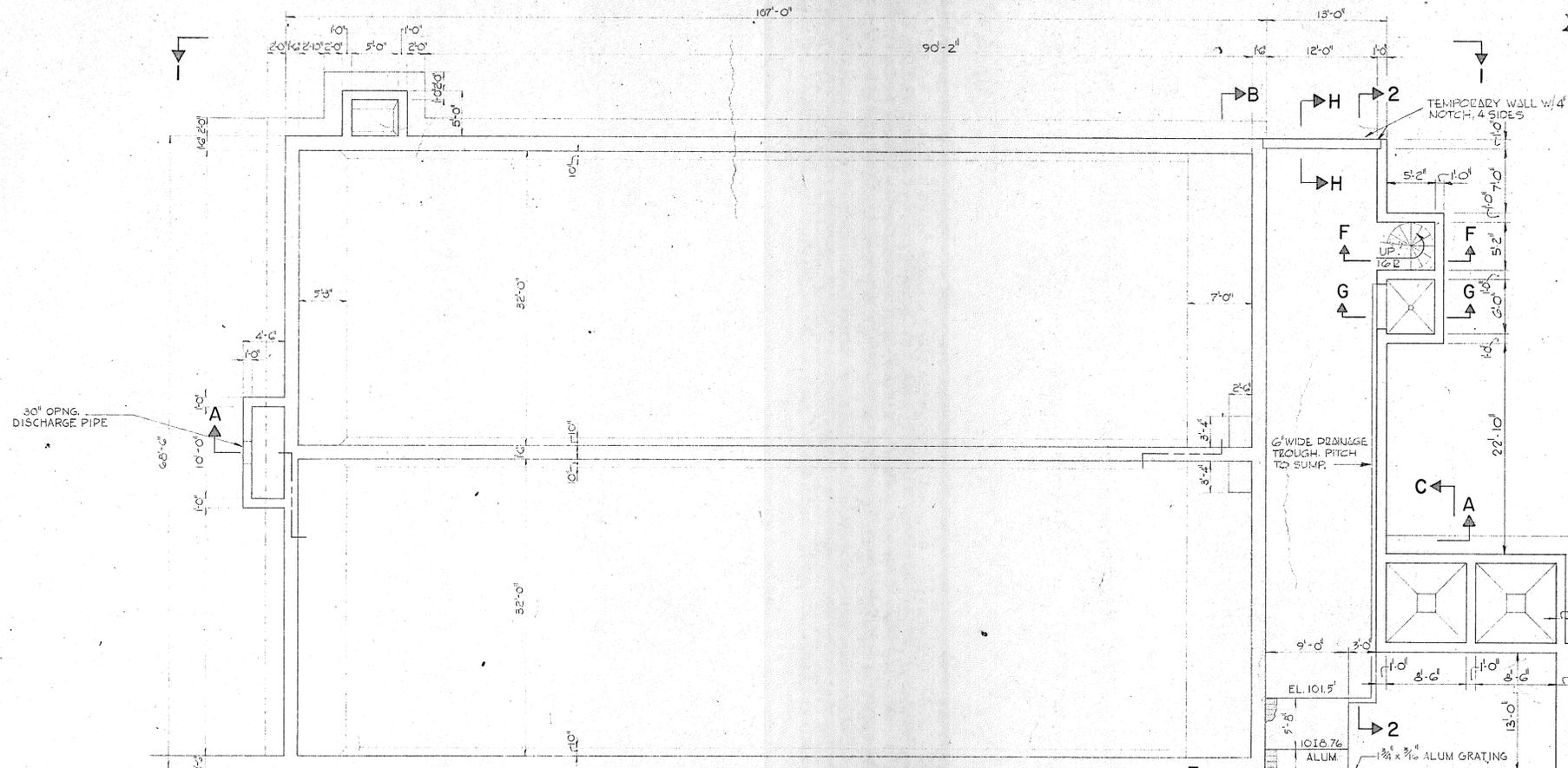
APPROVED

TOWN OF STRATFORD

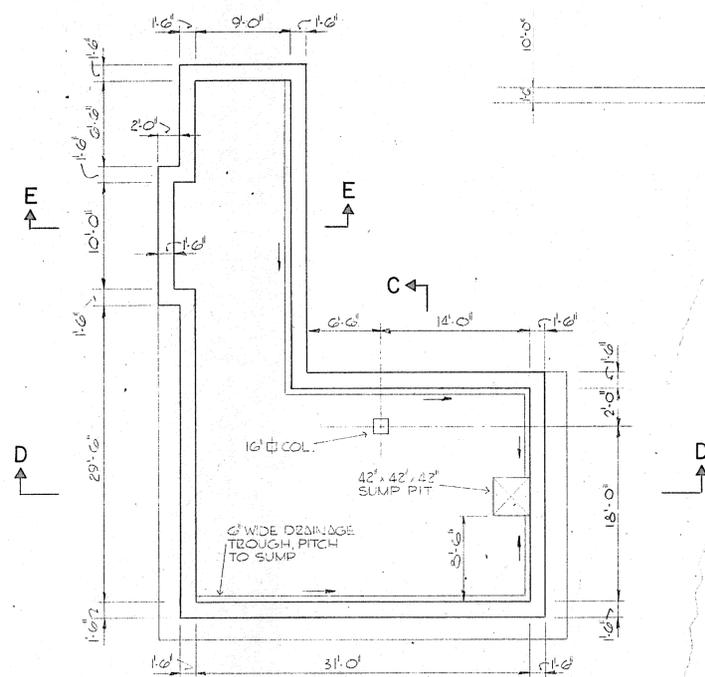
TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2  
 NEW PRIMARY SETTLING TANKS AND GALLERY  
 EQUIPMENT AND PIPING  
 PLAN - SECTION

SCALE  
 1/4" = 1'-0"  
 C. A. M. NO. 1165  
 DRAWING NO.  
**41**



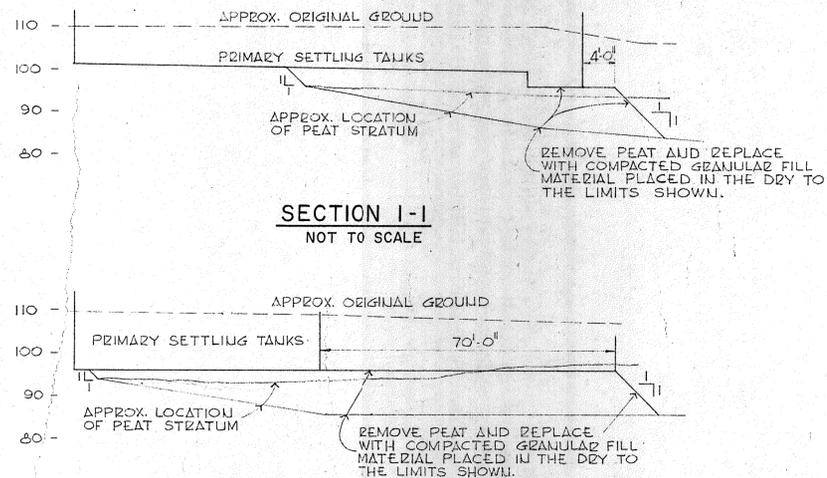


NOTE  
 BORING NO. BH221 - SEE DRAWING NO. 4 - SHOWS A PEAT STRATUM BETWEEN ELEV. 87 & 94 UNDER THE NORTHWEST CORNER OF THE NEW PRIMARY SETTLING TANKS. REMOVE ALL OF THE PEAT FROM BENEATH THE NEW AND FUTURE (SEE DRAWING NO. 3) PRIMARY SETTLING TANKS AND TO A POINT OUTSIDE THE TANKS WHERE A PLANE AT 1/2 HORIZ. TO 1 VERTICAL SLOPE DOWNWARD FROM THE OUTSIDE BOTTOM EDGE OF THE SLAB INTERSECTS THE BOTTOM OF PEAT, AND REPLACE WITH COMPACTED GRAVEL PLACED IN THE DRY.

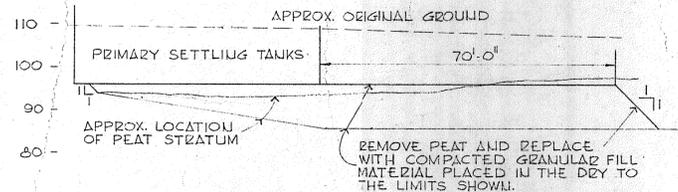


PLAN AT EL. 95.0'  
 SCALE: 1/8" = 1'-0"

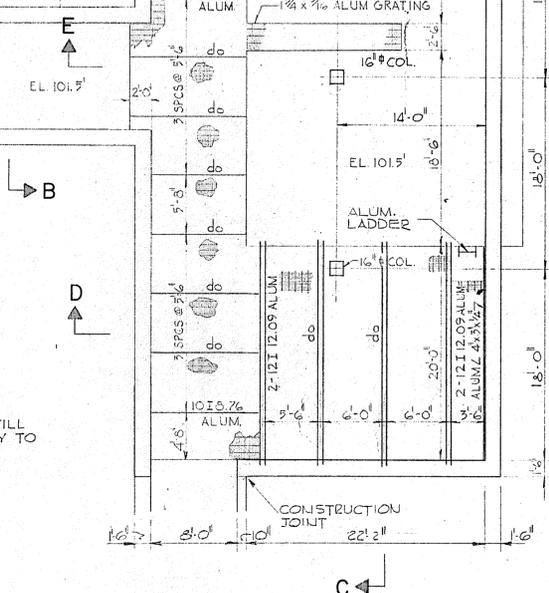
PLAN AT ELEVATION 110.0



SECTION 1-1  
 NOT TO SCALE



SECTION 2-2  
 NOT TO SCALE



ELEVATION 1  
 SEE DWG. NO. 46

- NOTES
1. SECTIONS 1 & 2 SEE DRAWING NO. 45
  2. SECTIONS C, D, E, F, G, & H SEE DRAWING NO. 46
  3. GENERAL STRUCTURAL NOTES AND TYPICAL STRUCTURAL DETAILS SEE DRAWING NO. 14
  4. PIPE OPENINGS SEE HYDRAULIC DWG. NO. 42

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE



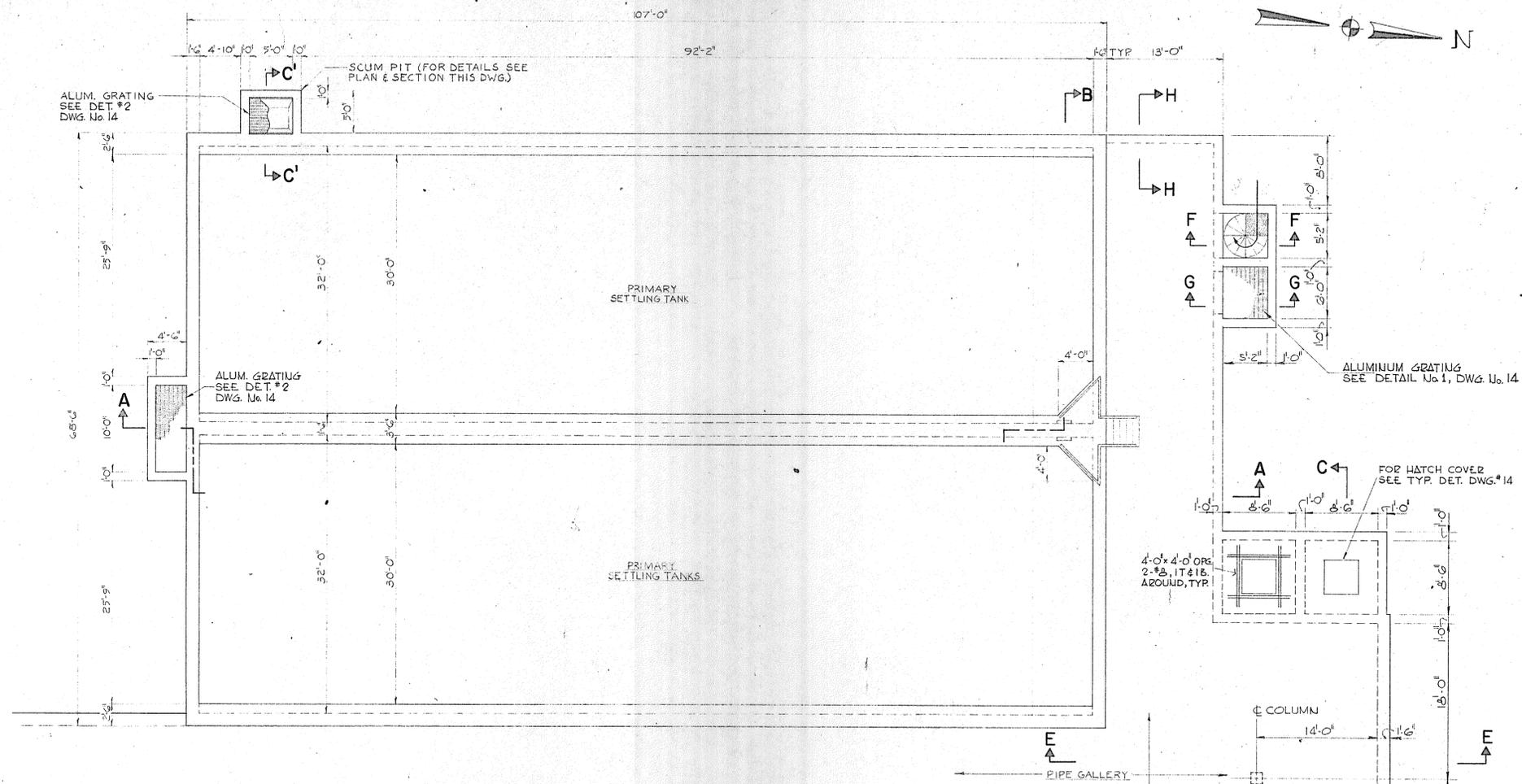
DRAWN: J. MEDEIROS      DESIGNED: C. HIRSCH  
 CHECKED: V. SYLVIA      APPROVED: C. HIRSCH  
 DATE: AUGUST, 1970

CHARLES A. MAGUIRE & ASSOCIATES  
 ENGINEERS  
 PROVIDENCE, R.I.      WETHERSFIELD, CONN.      BOSTON, MASS.

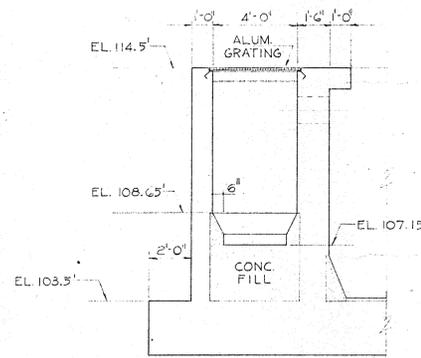
APPROVED

TOWN OF STRATFORD, CONNECTICUT  
 SYSTEM OF SEWERS  
 CONTRACT NO. 2  
 NEW PRIMARY SETTLING TANKS AND GALLERY  
 STRUCTURAL  
 PLAN AT ELEVATION 110.0

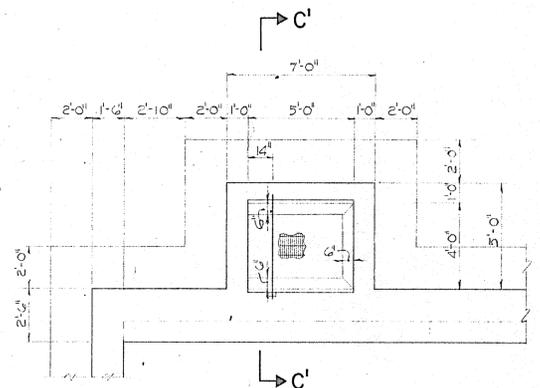
SCALE  
 1/8" = 1'-0"  
 C.A.M. NO. 1165  
 DRAWING NO.  
 43



**PLAN AT EL. 114.5**  
SCALE: 1/8" = 1'-0"



**SECTION C-C'**  
SCALE: 1/4" = 1'-0"



**SCUM PIT PLAN AT EL. 114.5**  
SCALE: 1/4" = 1'-0"

- NOTES**
1. SECTIONS A & B SEE DRAWING NO. 45
  2. SECTIONS C, D, E, F, G & H SEE DRAWING NO. 46
  3. GENERAL STRUCTURAL NOTES AND TYPICAL STRUCTURAL DETAILS SEE DRAWING NO. 14
  4. ALUMINUM HATCH COVER, SEE TYPICAL DETAIL DRAWING NO. 62

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE



DRAWN: J. MEDEIROS      DESIGNED: C. HIRSCH  
 CHECKED: V. SYLVIA      APPROVED: C. HIRSCH  
 DATE: AUGUST, 1970

**CHARLES A. MAGUIRE & ASSOCIATES**  
 ENGINEERS  
 PROVIDENCE, R.I.      WETHERFIELD, CONN.      BOSTON, MASS.

APPROVED \_\_\_\_\_  
 TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2  
 NEW PRIMARY SETTLING TANKS AND GALLERY

**STRUCTURAL**  
 PLAN - SECTIONS

SCALE  
 AS NOTED

C. A. M. NO. 1165

DRAWING NO.  
**44**