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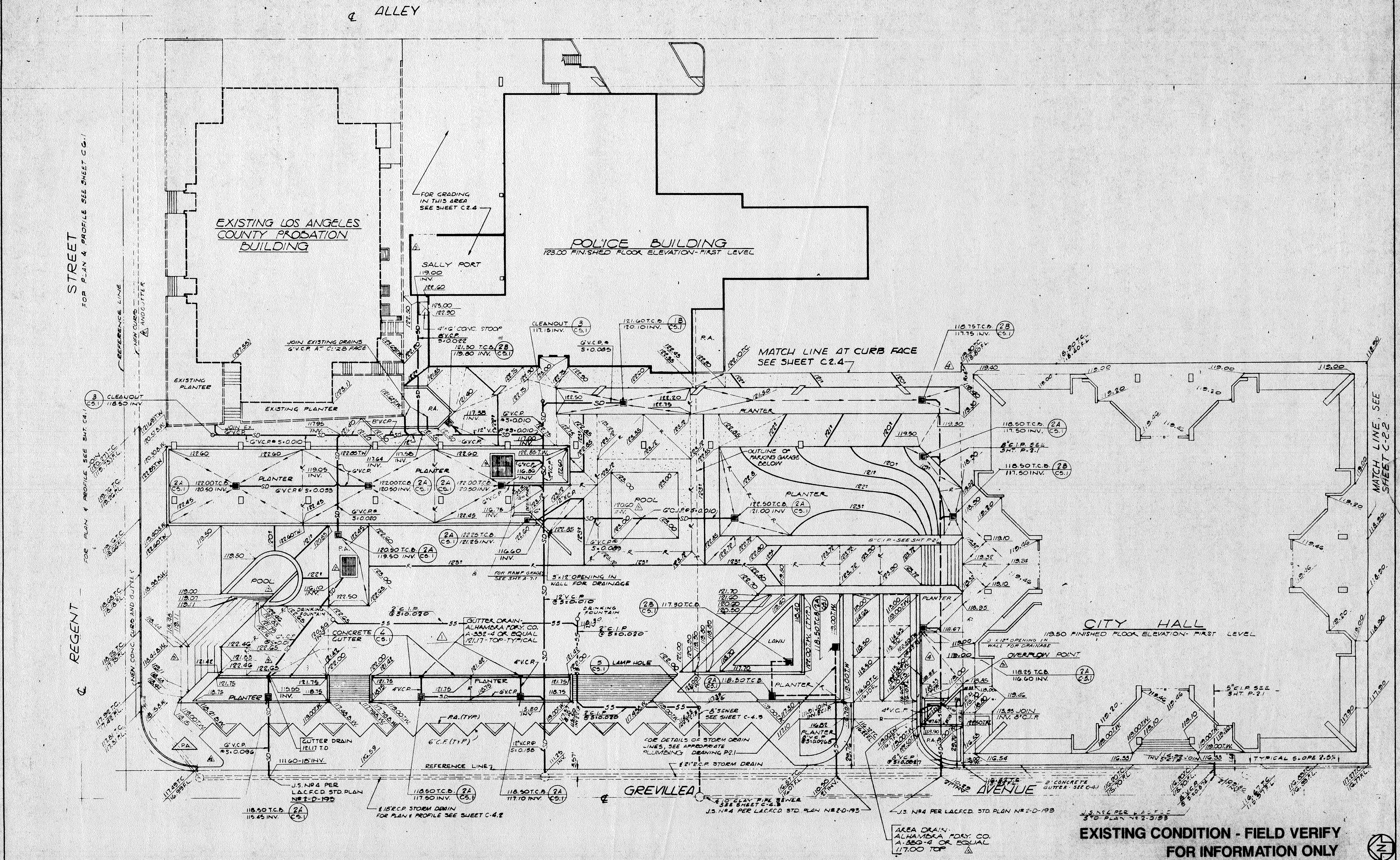
ALLEY
EXISTING LOS ANGELES COUNTY PROBATION BUILDING
POLICE BUILDING
123.00 FINISHED FLOOR ELEVATION - FIRST LEVEL
SALLY PORT
FOR GRADING IN THIS AREA SEE SHEET C2.4
MATCH LINE AT CURB FACE SEE SHEET C2.4
MATCH LINE, SEE SHEET C-2.2
CITY HALL
119.50 FINISHED FLOOR ELEVATION - FIRST LEVEL
OUTLINE OF PARKING GARAGE BELOW
PLANTER
POOL
LAWN
LAMP HOLE
EXISTING PLANTER
CONCRETE GUTTER
GUTTER DRAIN - ALHAMBRA FDRY. CO. A-332-4 OR EQUAL 121.17 TOP - TYPICAL
FOR RAMP GRADES SEE SHT A 7.1
5"x12" OPENING IN WALL FOR DRAINAGE
OVERFLOW POINT
FOR DETAILS OF STORM DRAIN LINES, SEE APPROPRIATE PLUMBING DRAWING P2.1
REGENT
STREET
FOR PLAN & PROFILE SEE SHEET C6.1
REFERENCE LINE
NEW CURB AND GUTTER
GREVILLEA
AVENUE
℄ 18" R.C.P. STORM DRAIN FOR PLAN & PROFILE SEE SHEET C-4.2
℄ 21" R.C.P. STORM DRAIN
℄ 10" CLAY PIPE SEWER SEE SHEET C-4.3
J.S. No4 PER L.A.C.F.C.D. STD. PLAN No 2-D-193
AREA DRAIN ALHAMBRA FDRY. CO. A-380-4 OR EQUAL 117.00 TOP
TYPICAL SLOPE 2.5%
2' CONCRETE GUTTER - SEE C-4.1

EXISTING CONDITION - FIELD VERIFY
FOR INFORMATION ONLY

CS-4505

NO.	DATE	REVISION	BY	CHK	NO.	DATE	REVISION	BY	CHK
△					4	7-8-71	MISCELLANEOUS REVISIONS	JZ	AH
△					3	5-4	MODIFICATIONS ISSUED AS BULLETIN No 1	LH	AH
△					2	2-22	MODIFICATIONS ISSUED AS ADDENDA 2	EL	AH
△					1	2-15	MODIFICATIONS ISSUED AS ADDENDA 1	EL	AH

CONSULTANT
S·R ASSOCIATES
SHUIRMAN · ROGOWAY & ASSOCIATES
CONSULTING CIVIL ENGINEERS
3637 WILSHIRE BLVD. · LOS ANGELES, CALIF. 90005
213) 937-2500

PROJECT GROUP
DESIGNER L.H.
PROJECT CAPTAIN A.H.
DRAFTSMAN L.H. & EL
CHECKER

APPROVED BY
PRODUCTION
PROJECT ARCHITECT
ENGINEER

THIS DRAWING IS NOT TO BE CONSIDERED FINAL UNTIL ALL THE REQUIRED SIGNATURES OF APPROVAL HAVE BEEN AFFIXED.

PROJECT
CITY OF INGLEWOOD
CIVIC CENTER
INGLEWOOD CALIFORNIA

SHEET TITLE
NORTH PLAZA GRADING
AND DRAINAGE PLAN
SCALE: 1/16" = 1'-0"

Charles Luckman Associates
Planning Architecture Engineering
9220 Sunset Boulevard Los Angeles, California 90069

SHEET NO.
C-2.3
JOB NO. 2000.00.05
DATE 1-29-71

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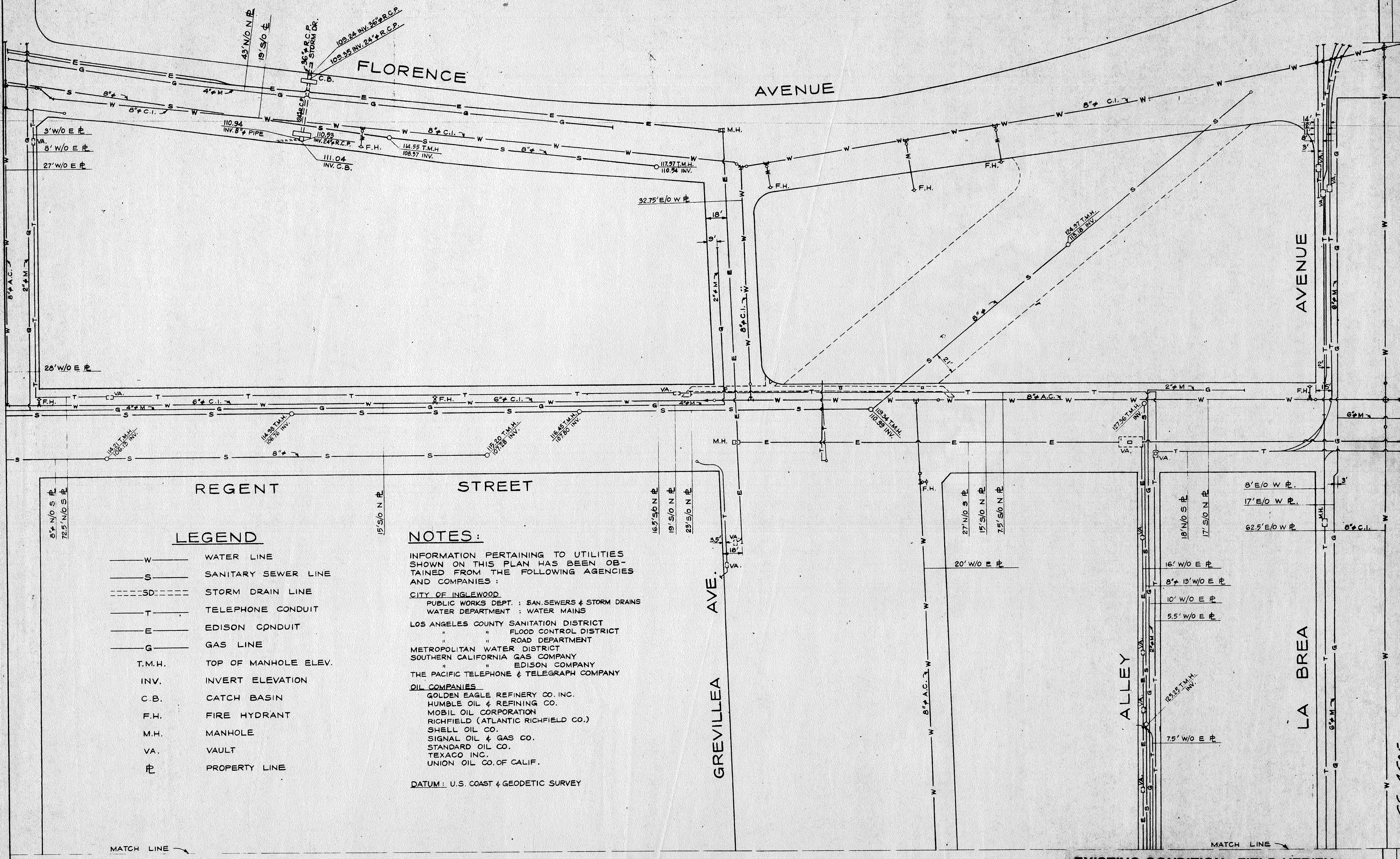
FLORENCE
AVENUE
FIR
AVE.
REGENT
STREET
GREVILLEA
AVE.
ALLEY
LA BREA
AVENUE
43'N/O N ℘
19'S/O ℄
36"⌀ R.C.P. STORM DR.
109.24 INV. 36"⌀ R.C.P.
109.35 INV. 24"⌀ R.C.P.
C.B.
110.94 INV. 8"⌀ PIPE
110.53 INV. 24"⌀ R.C.P.
111.04 INV. C.B.
114.55 T.M.H
108.57 INV.
117.97 T.M.H.
110.54 INV.
M.H.
F.H.
VA.
3' W/O E ℘
8' W/O E ℘
27' W/O E ℘
28' W/O E ℘
32.75' E/O W ℘
18'
9'
21'
124.97 T.M.H.
115.18 INV.
8"⌀ C.I.
6"⌀ C.I.
8"⌀ A.C.
8"⌀
4"⌀ M
2"⌀ M
6"⌀ M
114.21 T.M.H.
106.13 INV.
114.38 T.M.H.
106.70 INV.
115.20 T.M.H.
107.28 INV.
116.45 T.M.H.
107.80 INV.
119.34 T.M.H.
110.99 INV.
127.36 T.M.H.
INV.
125.25 T.M.H.
INV.
8'⌀ N/O S ℘
72.5' N/O S ℘
15'S/O N ℘
16.5'S/O N ℘
19'S/O N ℘
23'S/O N ℘
27'N/O S ℘
7.5'S/O N ℘
18'N/O S ℘
17'S/O N ℘
3.5'
20' W/O E ℘
8' E/O W ℘
17' E/O W ℘
62.5' E/O W ℘
16' W/O E ℘
8"⌀ 13' W/O E ℘
10' W/O E ℘
5.5' W/O E ℘
7.5' W/O E ℘
3'
14'
15'
MATCH LINE
N

LEGEND

——W——	WATER LINE
——S——	SANITARY SEWER LINE
- - - SD - - -	STORM DRAIN LINE
——T——	TELEPHONE CONDUIT
——E——	EDISON CONDUIT
——G——	GAS LINE
T.M.H.	TOP OF MANHOLE ELEV.
INV.	INVERT ELEVATION
C.B.	CATCH BASIN
F.H.	FIRE HYDRANT
M.H.	MANHOLE
VA.	VAULT
℘	PROPERTY LINE

NOTES:

INFORMATION PERTAINING TO UTILITIES SHOWN ON THIS PLAN HAS BEEN OBTAINED FROM THE FOLLOWING AGENCIES AND COMPANIES :

CITY OF INGLEWOOD
- PUBLIC WORKS DEPT. : SAN. SEWERS & STORM DRAINS
- WATER DEPARTMENT : WATER MAINS

LOS ANGELES COUNTY SANITATION DISTRICT
" " FLOOD CONTROL DISTRICT
" " ROAD DEPARTMENT
METROPOLITAN WATER DISTRICT
SOUTHERN CALIFORNIA GAS COMPANY
" " EDISON COMPANY
THE PACIFIC TELEPHONE & TELEGRAPH COMPANY

OIL COMPANIES
- GOLDEN EAGLE REFINERY CO. INC.
- HUMBLE OIL & REFINING CO.
- MOBIL OIL CORPORATION
- RICHFIELD (ATLANTIC RICHFIELD CO.)
- SHELL OIL CO.
- SIGNAL OIL & GAS CO.
- STANDARD OIL CO.
- TEXACO INC.
- UNION OIL CO. OF CALIF.

DATUM : U.S. COAST & GEODETIC SURVEY

MATCH LINE

EXISTING CONDITION - FIELD VERIFY
FOR INFORMATION ONLY

NO	DATE	REVISION	BY	CHK	NO	DATE	REVISION	BY	CHK
△					△				
△					△				
△					△				
△					△				

CONSULTANT
S·R ASSOCIATES
SHUIRMAN · ROGOWAY & ASSOCIATES
CONSULTING CIVIL ENGINEERS
5657 WILSHIRE BLVD. · LOS ANGELES, CALIF. 90036
213) 937-2600

PROJECT GROUP	APPROVED BY
DESIGNER C. KEG.	PRODUCTION
PROJECT CAPTAIN A.H.	PROJECT ARCHITECT
DRAFTSMAN C.K.	ENGINEER R. Rogoway
CHECKER	

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PROJECT
CITY OF INGLEWOOD
CIVIC CENTER
INGLEWOOD CALIFORNIA

SHEET TITLE
NORTH PORTION PLOT PLAN
OF EXISTING UNDERGROUND
UTILITIES
SCALE: 1/32" = 1'-0"

Charles Luckman Associates
Planning Architecture Engineering
9220 Sunset Boulevard Los Angeles, California 90069

SHEET NO
C-3.1
JOB NO. 2000.00.CS
DATE 1-29-71

CS-4505

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MATCH LINE
NOTE :
FOR LEGEND & NOTES SEE SHEET NO. 2
QUEEN STREET
FIR AVE.
GREVILLEA AVE.
ALLEY
LA BREA AVE.
MANCHESTER BLVD.
4"⌀ C.I.
8"⌀
42"⌀ R.C.P.
2"⌀ M
8"⌀ A.C.
24"⌀ R.C.P.
39"⌀ R.C.P.
12"⌀ C.I.
6"⌀ A.C.
4"⌀ M
C.B.
M.H.
F.H.
VA.
SEALED END
ABANDON IN PLACE
TRANSITION STRUCTURE
18" TEMPORARY STORM DRAIN TO BLEED ABANDON 42" S.D.
113.16 T.M.H. 106.59 INV.
113.68 T.M.H. 105.72 INV.
114.17 T.M.H. 106.23 INV.
114.40 T.M.H. 107.90 INV.
106.38 INV.
114.99 T.M.H. 107.39 INV.
116.15 T.M.H. 109.85 INV.
121.05 T.M.H. 114.28 INV.
124.21 T.M.H. 108.36 INV.
115.78 T.M.H. 107.85 INV.
124.59 T.M.H. 108.29 INV.
115.08 T.M.H. 103.88 INV.
116.07 T.M.H. 106.58 INV.
122.53 T.M.H. 107.22 INV.
29.5' W/O E ℄
36"⌀ R.C.P.
5.5' W/O E ℄
7.5' W/O E ℄
10' W/O E ℄
13' W/O E ℄
16' W/O E ℄
8' E/O W ℄
17' E/O W ℄
62.5' E/O W ℄
20' W/O E ℄
5' W/O E ℄
3' W/O E ℄
6' W/O E ℄
23' E/O W ℄
14' E/O W ℄
5.5' E/O W ℄
34' E/O W ℄
9' W/O ℄
25' W/O ℄
24' W/O ℄
17.5' S/O N ℄
13' S/O N ℄
55' S/O N ℄
64' S/O N ℄
67.5' S/O N ℄
15' S/O N ℄
17' S/O N ℄
50' S/O N ℄
58' S/O N ℄
2' S/O N ℄
4' S/O N ℄
8' S/O N ℄
58' N/O S ℄
34' N/O S ℄
8' N/O S ℄
13.5' N/O S ℄
14.5' N/O S ℄
24' N/O S ℄
70' N/O S ℄
82' N/O S ℄
92' N/O S ℄
8' N/O S ℄
18"⌀ R.C.P. SD
24"⌀ R.C.P. S.D.
2"⌀ Sc.M
1"⌀ M
6"⌀ W C.I.
8"⌀ C.I.
N

EXISTING CONDITION - FIELD VERIFY
FOR INFORMATION ONLY

NO.	DATE	REVISION	BY	CHK	NO.	DATE	REVISION	BY	CHK
△					△				
△					△				
△					△				
△					△1	3-22	MODIFICATIONS ISSUED AS ADDENDA 2	EL	AH

CONSULTANT

SHUIRMAN · ROGOWAY & ASSOCIATES
CONSULTING CIVIL ENGINEERS
5657 WILSHIRE BLVD. · LOS ANGELES, CALIF. 90036
(213) 937-2600

PROJECT GROUP	APPROVED BY
DESIGNER C. KEG.	PRODUCTION
PROJECT CAPTAIN A.H.	PROJECT ARCHITECT
DRAFTSMAN CK	ENGINEER Rogoway
CHECKER,	

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PROJECT
CITY OF INGLEWOOD
CIVIC CENTER
INGLEWOOD CALIFORNIA

SHEET TITLE
SOUTH PORTION PLOT PLAN
OF EXISTING UNDERGROUND
UTILITIES

SCALE 1/32"=1'-0"

Charles Luckman Associates
Planning Architecture Engineering
9220 Sunset Boulevard Los Angeles, California 90069

SHEET NO.
C-3.2
JOB NO. 2000.00.05
DATE 1-29-71

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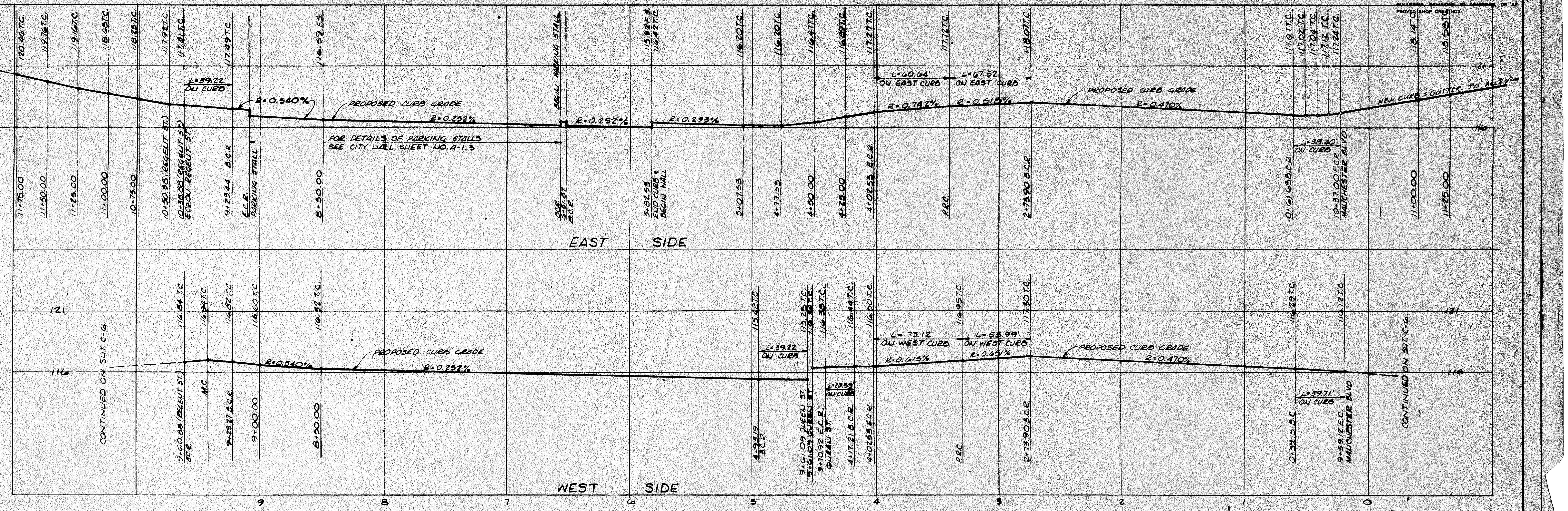
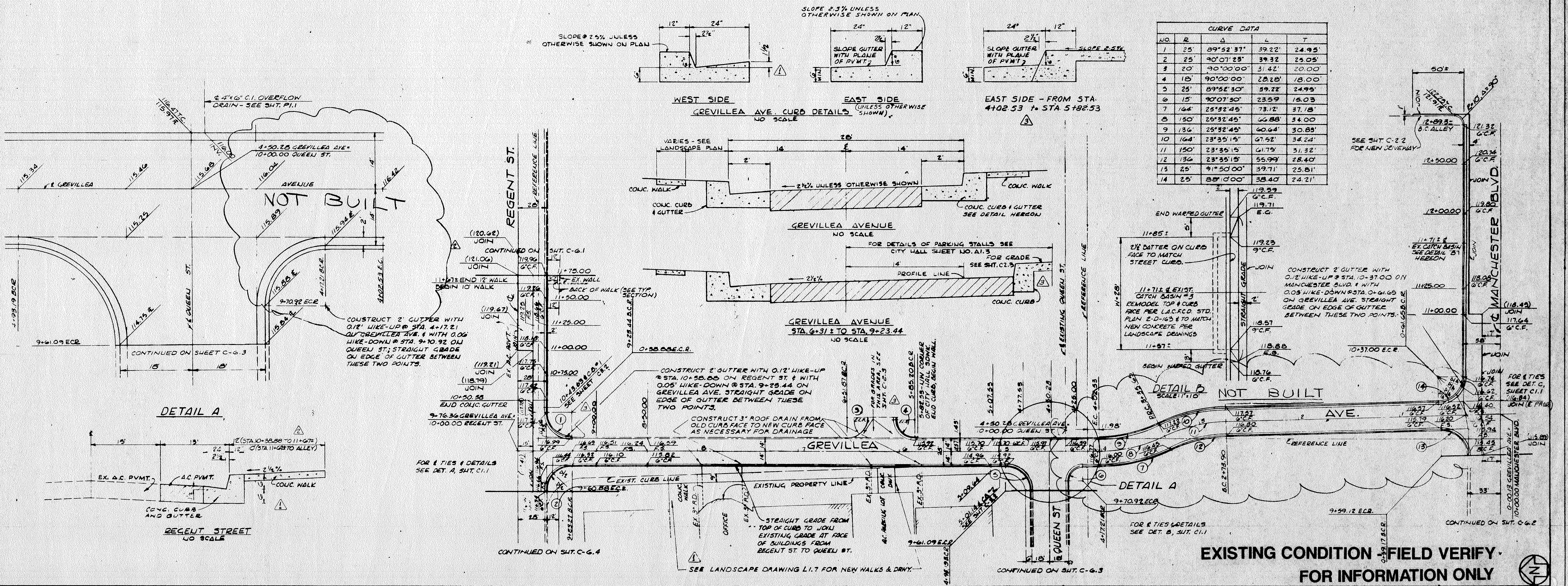
NOTES.

1. SPECIFICATIONS: ALL WORK DETAILED ON THIS PLAN TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (1970 EDITION)"
2. PLEASE REFER TO PERTINENT CIVIL, ARCHITECTURAL, OR LANDSCAPE ARCHITECTURAL SHEETS FOR DETAILS OF GRADING, PAVEMENT THICKNESS, SIDEWALK, ETC., NOT SHOWN ON THIS PLAN.
3. FOR ℄ TIES ⁊ DETAILS, REFER TO SHEET C1.1.


CONTINUED ON SHT. C-6
PROPOSED CURB GRADE
R = 0.540%
R = 0.252%
R = 0.293%
R = 0.742%
R = 0.515%
R = 0.470%
L = 59.22' ON CURB
L = 60.64' ON EAST CURB
L = 67.52' ON EAST CURB
NEW CURB & GUTTER TO ALLEY
FOR DETAILS OF PARKING STALLS SEE CITY HALL SHEET NO. A-1.3
BEGIN PARKING STALL
END PARKING STALL
MANCHESTER BLVD.
EAST SIDE
L = 73.12' ON WEST CURB
L = 55.99' ON WEST CURB
R = 0.615%
R = 0.651%
L = 39.71' ON CURB
QUEEN ST.
REGENT ST.
CONTINUED ON SHT. C-6
WEST SIDE
121
116
9
8
7
6
5
4
3
2
1
0


SLOPE @ 2.5% UNLESS OTHERWISE SHOWN ON PLAN
WEST SIDE
EAST SIDE
GREVILLEA AVE. CURB DETAILS (UNLESS OTHERWISE SHOWN)
NO SCALE
SLOPE 2.5% UNLESS OTHERWISE SHOWN ON PLAN
SLOPE GUTTER WITH PLANE OF PVMT.
EAST SIDE - FROM STA. 4+02.53 to STA. 5+82.53
VARIES - SEE LANDSCAPE PLAN
CONC. WALK
CONC. CURB & GUTTER
2½% UNLESS OTHERWISE SHOWN
CONC. CURB & GUTTER SEE DETAIL HEREON
GREVILLEA AVENUE
NO SCALE
FOR DETAILS OF PARKING STALLS SEE CITY HALL SHEET NO. A1.3
FOR GRADE SEE SHT. C2.3
PROFILE LINE
CONC. CURB
GREVILLEA AVENUE
STA. 6+31 ± TO STA. 9+23.44
NO SCALE
4" C.I. OVERFLOW DRAIN - SEE SHT. P1.1
℄ GREVILLEA
AVENUE
NOT BUILT
4+50.28 GREVILLEA AVE. = 10+00.00 QUEEN ST.
℄ QUEEN ST.
9+70.92 ECR
9+61.09 ECR
CONTINUED ON SHEET C-6.3
CONSTRUCT 2' GUTTER WITH 0.12' HIKE-UP @ STA. 4+17.21 ON GREVILLEA AVE. ⁊ WITH 0.06' HIKE-DOWN @ STA. 9+70.92 ON QUEEN ST.; STRAIGHT GRADE ON EDGE OF GUTTER BETWEEN THESE TWO POINTS.
DETAIL A
EX. A.C. PVMT.
A.C. PVMT.
CONC. WALK
CONC. CURB AND GUTTER
REGENT STREET
NO SCALE
REGENT ST.
REFERENCE LINE
CONTINUED ON SHT. C-6.1
END 12' WALK
BEGIN 10' WALK
EX. WALL
BACK OF WALK (SEE TYP. SECTION)
END CONC. GUTTER
9+76.36 GREVILLEA AVE. = 10+00.00 REGENT ST.
FOR ℄ TIES ⁊ DETAILS SEE DET. A, SHT. C1.1
CONSTRUCT 2' GUTTER WITH 0.12' HIKE-UP @ STA. 10+58.88 ON REGENT ST. ⁊ WITH 0.05' HIKE-DOWN @ STA. 9+23.44 ON GREVILLEA AVE. STRAIGHT GRADE ON EDGE OF GUTTER BETWEEN THESE TWO POINTS.
CONSTRUCT 3" ROOF DRAIN FROM OLD CURB FACE TO NEW CURB FACE AS NECESSARY FOR DRAINAGE
GREVILLEA
EXIST. CURB LINE
EXISTING PROPERTY LINE
STRAIGHT GRADE FROM TOP OF CURB TO JOIN EXISTING GRADE AT FACE OF BUILDINGS FROM REGENT ST. TO QUEEN ST.
SEE LANDSCAPE DRAWING L1.7 FOR NEW WALKS & DRWY.
CONTINUED ON SHT. C-6.4
QUEEN ST.
CONTINUED ON SHT. C-6.3
DETAIL A
DETAIL B
NOT BUILT
AVE.
REFERENCE LINE
FOR ℄ TIES & DETAILS SEE DET. B, SHT. C1.1
9+59.12 ECR.
CONTINUED ON SHT. C-6.2
END WARPED GUTTER
2½ BATTER ON CURB FACE TO MATCH STREET CURB.
11+71 ± EXIST. CATCH BASIN # 4 REMODEL TOP ⁊ CURB FACE PER L.A.C.F.C.D. STD. PLAN 2-D-163 ⁊ TO MATCH NEW CONCRETE PER LANDSCAPE DRAWINGS
STRAIGHT GRADE
BEGIN WARPED GUTTER
SEE SHT. C-2.2 FOR NEW DRIVEWAY
CONSTRUCT 2' GUTTER WITH 0.12' HIKE-UP @ STA. 10+37.00 ON MANCHESTER BLVD. ⁊ WITH 0.05' HIKE-DOWN @ STA. 0+61.65 ON GREVILLEA AVE. STRAIGHT GRADE ON EDGE OF GUTTER BETWEEN THESE TWO POINTS.
11+71 ± EX. CATCH BASIN SEE DETAIL "B" HEREON
10+37.00 E.C.R.
B.C. ALLEY
MANCHESTER BLVD.
FOR ℄ TIES SEE DET. C, SHEET C1.1
JOIN
0+00.13 GREVILLEA AVE. = 10+00.00 MANCHESTER BLVD.

CURVE DATA				
NO.	R	Δ	L	T
1	25'	89°52'37"	39.22'	24.95'
2	25'	90°07'23"	39.32	25.05'
3	20'	90°00'00"	31.42'	20.00'
4	18'	90°00'00"	28.28'	18.00'
5	25'	89°52'30"	39.22'	24.95'
6	15'	90°07'30"	23.59	15.03
7	164'	25°32'45"	73.12'	37.18'
8	150'	25°32'45"	66.88'	34.00
9	136'	25°32'45"	60.64'	30.83'
10	164'	23°35'15"	67.52'	34.24'
11	150'	23°35'15"	61.75'	31.32'
12	136	23°35'15"	55.99'	28.40'
13	25'	91°50'00"	39.71'	25.81'
14	25'	88°10'00"	38.40	24.21'

EXISTING CONDITION - FIELD VERIFY ·
FOR INFORMATION ONLY

NO.	DATE	REVISION	BY	CHK	NO.	DATE	REVISION	BY	CHK
△					△				
△					3	7-8-71	MISCELLANEOUS REVISIONS	JZ	AH
△					2	2-22	MODIFICATIONS ISSUED AS ADDENDA 2	EL	AH
△					1	2-15	MODIFICATIONS ISSUED AS ADDENDA 1.	EL	AH

CONSULTANT
S·R ASSOCIATES
SHUIRMAN · ROGOWAY & ASSOCIATES
CONSULTING CIVIL ENGINEERS
5657 WILSHIRE BLVD. · LOS ANGELES, CALIF. 90036
213 · 937-2600

PROJECT GROUP
DESIGNER JNL
PROJECT CAPTAIN A.H.
DRAFTSMAN ZL
CHECKER

APPROVED BY
PRODUCTION
PROJECT ARCHITECT
ENGINEER

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PROJECT
CITY OF INGLEWOOD
CIVIC CENTER
INGLEWOOD CALIFORNIA

SHEET TITLE
GREVILLEA AVENUE
PLAN AND PROFILE
SCALE: 1" = 40'

Charles Luckman Associates
Planning Architecture Engineering
9220 Sunset Boulevard Los Angeles, California 90069

SHEET NO. C-4.1
JOB NO. 2000.00.05
DATE 1-29-71

CS-4505

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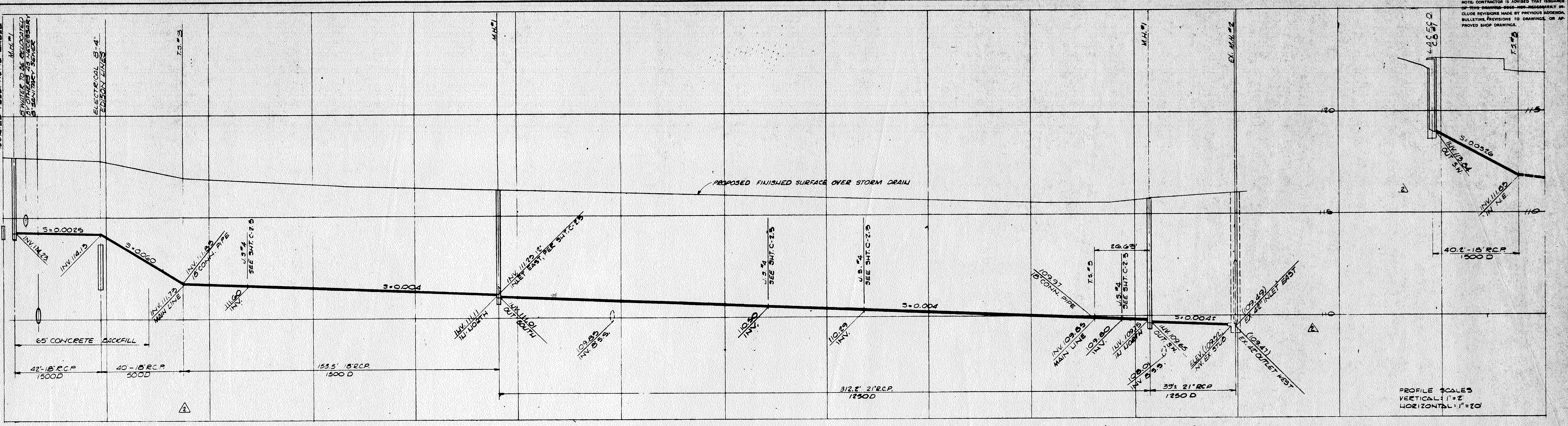
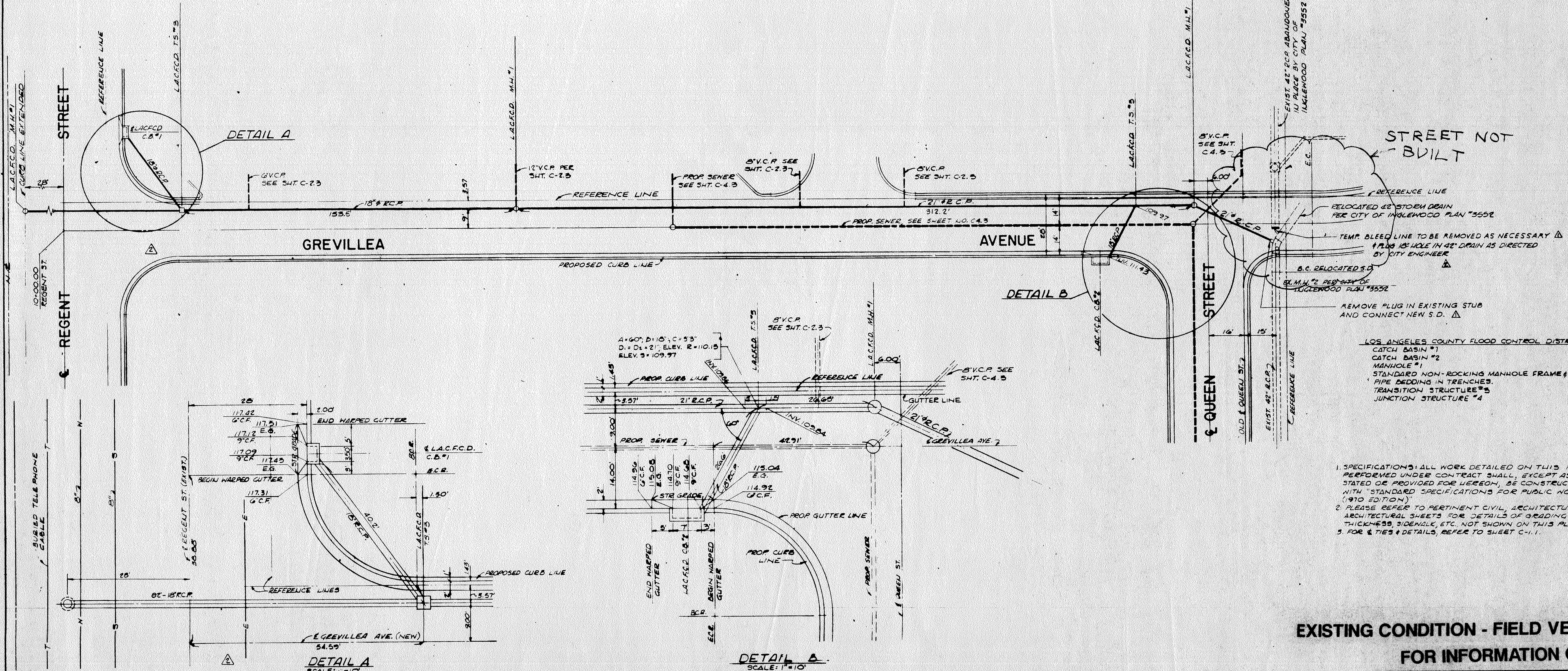

BURIED TELEPHONE CABLE
M.H.#1
WATER TO BE RELOCATED BY OTHERS AS NECESSARY
ELECTRICAL 8-4" EDISON LINES
T.S.#3
M.H.#1
M.H.#1
EX. M.H.#2
T.S.#2
PROPOSED FINISHED SURFACE OVER STORM DRAIN
S=0.0025
S=0.0060
S=0.004
S=0.004
S=0.0045
S=0.00526
65' CONCRETE BACKFILL
42'-18" R.C.P. 1500 D
40'-18" R.C.P. 500 D
153.5' 18" R.C.P. 1500 D
312.2' 21" R.C.P. 1250 D
39' 21" R.C.P. 1250 D
40.2'-18" R.C.P. 1500 D
PROFILE SCALES
VERTICAL: 1"=2'
HORIZONTAL: 1"=20'


REGENT STREET
GREVILLEA AVENUE
QUEEN STREET
DETAIL A
DETAIL B
STREET NOT BUILT
REFERENCE LINE
PROPOSED CURB LINE
L.A.C.F.C.D. M.H.#1
L.A.C.F.C.D. T.S.#3
L.A.C.F.C.D. C.B.#1
L.A.C.F.C.D. C.B.#2
PROP. SEWER, SEE SHEET NO. C-4.3
EXIST. 42" R.C.P. ABANDONED IN PLACE BY CITY OF INGLEWOOD PLAN #3552
RELOCATED 42" STORM DRAIN PER CITY OF INGLEWOOD PLAN #3552
TEMP. BLEED LINE TO BE REMOVED AS NECESSARY & PLUG 18" HOLE IN 42" DRAIN AS DIRECTED BY CITY ENGINEER
B.C. RELOCATED S.D.
EX. M.H. #2 PER CITY OF INGLEWOOD PLAN #3552
REMOVE PLUG IN EXISTING STUB AND CONNECT NEW S.D.
DETAIL A SCALE: 1"=10'
DETAIL B SCALE: 1"=10'
END WARPED GUTTER
BEGIN WARPED GUTTER
PROP. GUTTER LINE
PROP. CURB LINE
℄ GREVILLEA AVE. (NEW)

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT STANDARD PLANS

CATCH BASIN #1	2-D-160
CATCH BASIN #2	2-D-162
MANHOLE #1	2-D-102
STANDARD NON-ROCKING MANHOLE FRAME & COVER	2-D-181
PIPE BEDDING IN TRENCHES.	2-D-177
TRANSITION STRUCTURE #5	2-D-188
JUNCTION STRUCTURE #4	2-D-193

1. SPECIFICATIONS: ALL WORK DETAILED ON THIS PLAN TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (1970 EDITION)"
2. PLEASE REFER TO PERTINENT CIVIL, ARCHITECTURAL, OR LANDSCAPE ARCHITECTURAL SHEETS FOR DETAILS OF GRADING, PAVEMENT THICKNESS, SIDEWALK, ETC. NOT SHOWN ON THIS PLAN.
3. FOR ℄ TIES & DETAILS, REFER TO SHEET C-1.1.

CS-4505

EXISTING CONDITION - FIELD VERIFY
FOR INFORMATION ONLY

NO.	DATE	REVISION	BY	CHK
2	2-22	MODIFICATIONS ISSUED AS ADDENDA 2	RL	AH
1	2-15	MODIFICATIONS ISSUED AS ADDENDA 1	RL	AH

CONSULTANT
SHUIRMAN • ROGOWAY & ASSOCIATES
CONSULTING CIVIL ENGINEERS
3667 WILSHIRE BLVD. • LOS ANGELES, CALIF. 90005
213/ 937-2600

PROJECT GROUP
DESIGNER JMZ
PROJECT CAPTAIN AH
DRAFTSMAN RL
CHECKER

APPROVED BY
PRODUCTION
PROJECT ARCHITECT
ENGINEER JRRogoway

THIS DRAWING IS NOT TO BE CONSIDERED FINAL UNTIL ALL THE REQUIRED SIGNATURES OF APPROVAL HAVE BEEN AFFIXED.

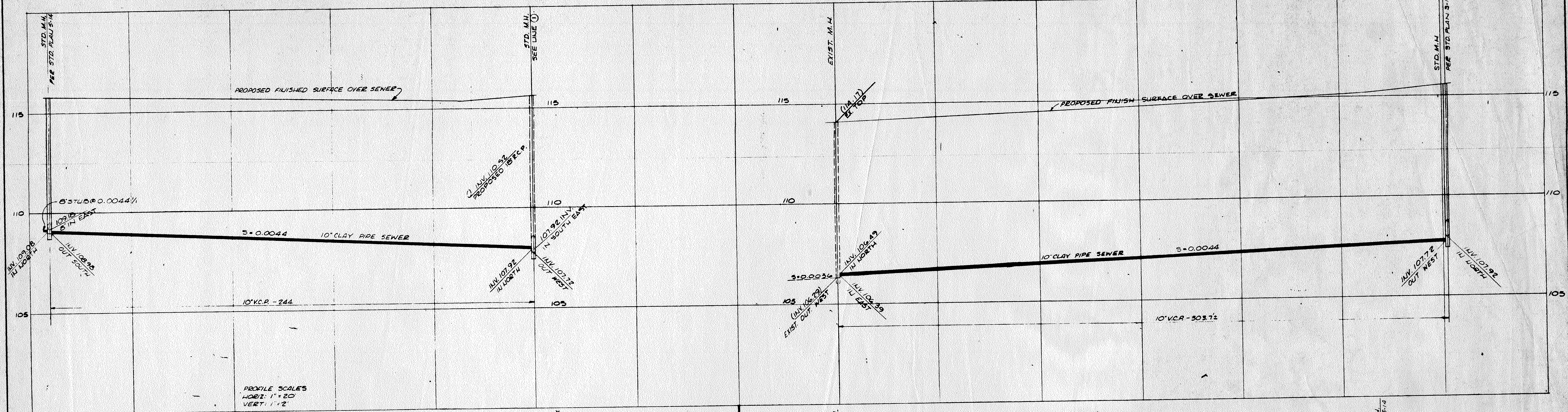
PROJECT
CITY OF INGLEWOOD
CIVIC CENTER
INGLEWOOD CALIFORNIA

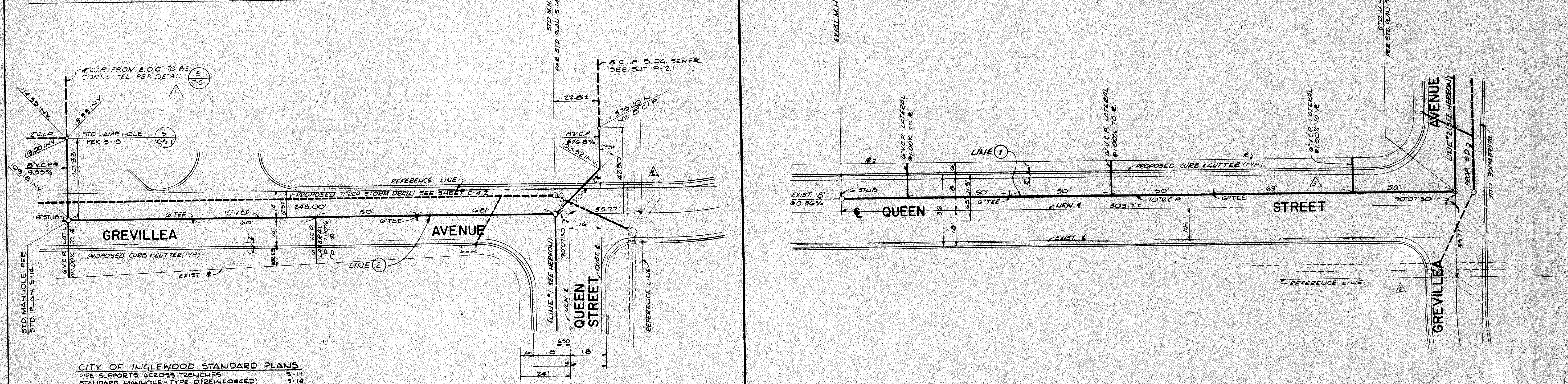
SHEET TITLE
GREVILLEA AVENUE STORM DRAIN
PLAN AND PROFILE
SCALE: 1"=20'

Charles Luckman Associates
Planning Architecture Engineering
9220 Sunset Boulevard Los Angeles, California 90069

SHEET NO. C-4.2
JOB NO. 2000.00.05
DATE 1-29-71

NOTE: CONTRACTOR IS ADVISED THAT ISSUANCE OF THIS DRAWING DOES NOT NECESSARILY INCLUDE REVISIONS MADE BY PREVIOUS ADDENDA, BULLETINS, REVISIONS TO DRAWINGS, OR APPROVED SHOP DRAWINGS.


STD. M.H. PER STD. PLAN S-14
STD. M.H. SEE LINE ①
EXIST. M.H.
STD. M.H. PER STD. PLAN S-14
PROPOSED FINISHED SURFACE OVER SEWER
PROPOSED FINISH SURFACE OVER SEWER
115
110
105
(114.17) EX. TOP
8"STUB@0.0044'/'
109.18 8" IN EAST
INV. 109.08 IN NORTH
INV. 108.98 OUT SOUTH
S=0.0044
10" CLAY PIPE SEWER
℄ INV. 110.92 PROPOSED 18" R.C.P.
107.92 INV. IN SOUTH EAST
INV. 107.92 IN NORTH
INV. 107.72 OUT WEST
10" V.C.P. - 244
S=0.0036
INV. 106.49 IN NORTH
(INV. 106.29) EXIST. OUT. WEST
INV. 106.39 IN EAST
10" CLAY PIPE SEWER
S=0.0044
INV. 107.72 OUT WEST
INV. 107.92 IN NORTH
10" V.C.P. - 303.7'±
PROFILE SCALES
HORIZ: 1"=20'
VERT: 1"=2'


4"C.I.P. FROM E.O.C. TO BE CONNECTED PER DETAIL 5/C-5.1
1
114.35 INV.
113.33 INV.
2"C.I.P.
113.00 INV.
STD. LAMP HOLE PER S-18 5/C-5.1
8"V.C.P.@ 9.55%
109.18 INV.
40.33
8"STUB
STD. MANHOLE PER STD. PLAN S-14
6"V.C.P. LAT'L @1.00% TO ℞
GREVILLEA
AVENUE
6"TEE
10" V.C.P.
60'
14'
12.5'
14'
243.00'
50'
6"TEE
68'
6" V.C.P. LATERAL @ 1.00% TO ℞
VARIES
PROPOSED CURB & GUTTER (TYP.)
EXIST. ℞
LINE ②
REFERENCE LINE
PROPOSED 21" RCP STORM DRAIN SEE SHEET C-4.2
STD. M.H. PER STD. PLAN S-14
8" C.I.P. BLDG. SEWER SEE SHT. P-2.1
22.8'±
113.75 JOIN INV. 8" C.I.P.
8"V.C.P. @26.8%
108.52 INV.
45°
42.80
2
8"V.C.P.
35.77'
16'
90°07'30"
(LINE #1 SEE HEREON)
NEW ℄
QUEEN STREET
EXIST. ℄
REFERENCE LINE
6'
18'
6.50
18'
36'
24'
EXIST. M.H.
STD. M.H. PER STD PLAN S-14
6"V.C.P. LATERAL @1.00% TO ℞
6"V.C.P. LATERAL @1.00% TO ℞
6"V.C.P. LATERAL @1.00% TO ℞
LINE ①
℞2
PROPOSED CURB & GUTTER (TYP.)
3
EXIST. 8" @0.36%
6"STUB
50'
6"TEE
50'
50'
10"V.C.P.
6"TEE
69'
50'
10'
18'
11.5'
6.5
36'
18'
11'
℄ QUEEN
STREET
NEW ℄
303.7'±
90°07'30"
16'
EXIST. ℄
AVENUE
LINE #2 (SEE HEREON)
PROP. S.D. 2
REFERENCE LINE
35.77
GREVILLEA
REFERENCE LINE
2

CITY OF INGLEWOOD STANDARD PLANS

PIPE SUPPORTS ACROSS TRENCHES	S-11
STANDARD MANHOLE - TYPE D (REINFORCED)	S-14
STANDARD MANHOLE FRAME & COVER	S-20
STANDARD METHOD FOR ADJUSTING MANHOLES	S-24
STANDARD LAMP HOLE	S-18

NOTES

1. SPECIFICATIONS: ALL WORK DETAILED ON THIS PLAN TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (1970 EDITION)"
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3. FOR ℄ TIES & DETAILS, REFER TO SHEET C1.1.

EXISTING CONDITION - FIELD VERIFY
FOR INFORMATION ONLY

NO.	DATE	REVISION	BY	CHK	NO.	DATE	REVISION	BY	CHK
△					△				
△					3	11-10	CHANGED LOCATION OF SEWER LAT.	JZ	
△					2	2-22	MODIFICATIONS ISSUED AS ADDENDA 2	RL	AH
△					1	2-15	MODIFICATIONS ISSUED AS ADDENDA 1	RL	AH

CONSULTANT
S·R ASSOCIATES
SHUIRMAN · ROGOWAY & ASSOCIATES
CONSULTING CIVIL ENGINEERS
3667 WILSHIRE BLVD. · LOS ANGELES, CALIF. 90005
(213) 937-2600

PROJECT GROUP	APPROVED BY
DESIGNER J.M.Z.	PRODUCTION
PROJECT CAPTAIN A.H.	PROJECT ARCHITECT
DRAFTSMAN R.L.	ENGINEER R. Rogoway
CHECKER	

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PROJECT
CITY OF INGLEWOOD
CIVIC CENTER
INGLEWOOD CALIFORNIA

SHEET TITLE
GREVILLA AVENUE AND QUEEN
STREET SANITARY SEWER
PLAN AND PROFILE
SCALE 1" = 20'

Charles Luckman Associates
Planning Architecture Engineering
9220 Sunset Boulevard Los Angeles, California 90069

SHEET NO.
C-4.3
JOB NO. 2000.00.05
DATE 1-29-71

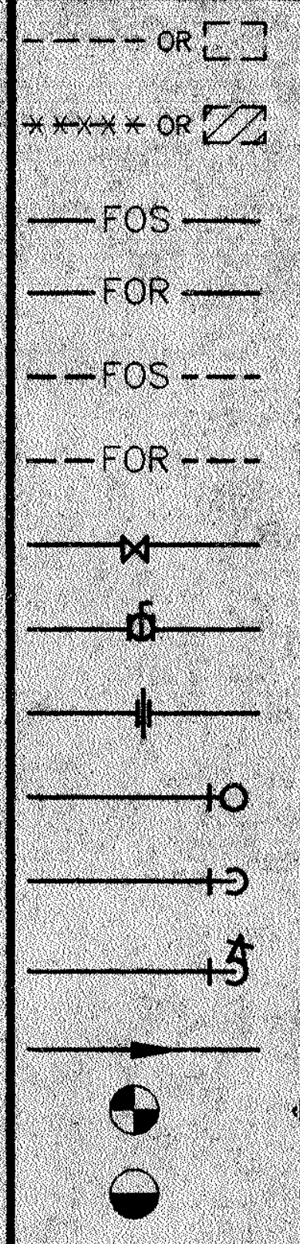
TANK SCHEDULE

SYMBOL	SERVICE	LOCATION	RELATED EQUIPMENT	SIZE (IN)	REMARKS
T 1	POTABLE WATER STORAGE	BELOW GRADE IN GREVILLEA ST	–	114 DIA. x 336 LONG	EXISTING 15,000 GAL STORAGE CAP.
T 2	DIESEL OIL STORAGE TANK	BELOW GRADE IN GREVILLEA ST	FUEL OIL TRANSFER PUMPS DP-1 DP-2 & DP-3	95 DIA. x 336 LONG	NEW DOUBLE WALL 10,000 GAL STORAGE TANK
T 3	DIESEL OIL DAY TANK	EXIST. E.D.C. EMERGENCY ROOM	PUMP DP-4	2"	NEW 75 GAL CAPACITY
T 4	DIESEL OIL DAY TANK	NEW BASEMENT GENERATOR ROOM	PUMP DP-5	2"	NEW 75 GAL CAPACITY
T 5	DIESEL OIL DAY TANK	EXIST. CITY HALL EMERGENCY ROOM	PUMP DP-6	2"	NEW 100 GAL CAPACITY

GENERAL NOTES

1. CONTRACTOR SHALL VERIFY CONDITIONS ON THE SITE PRIOR TO BID.
2. EXISTING WORK DAMAGED OR CUT INTO DURING CONSTRUCTION SHALL BE PATCHED OR REPAIRED, PAINTED OR FINISHED TO MATCH EXISTING ADJACENT SURFACES IN TEXTURE, FINISH AND COLOR.
3. EXISTING PIPING SHOWN ARE THOSE REQUIRED TO INDICATE APPROXIMATE LOCATION OF NEW SERVICES AND SHOULD NOT BE CONSIDERED AS A COMPLETE SURVEY OF EXISTING PIPING.
4. LOCATION AND ELEVATION OF EXISTING PIPING ARE FROM BEST AVAILABLE RECORDS AND SHALL BE CONSIDERED AS APPROXIMATE AND INCOMPLETE. BEFORE ANY WORK IS STARTED, THE CONTRACTOR SHALL VERIFY COORDINATES, ELEVATION AND SIZE OF NOTED EXISTING PIPING. DISCREPANCIES BETWEEN FIELD DATA AND DATA ON PLANS AND SPECIFICATIONS SHALL BE REPORTED TO THE ARCHITECT. DO NOT PROCEED WITH INSTALLATION IN AREAS OF DISCREPANCY UNTIL DISCREPANCIES HAVE BEEN RESOLVED.
5. VALVES SHALL BE LINE SIZE UNLESS OTHERWISE NOTED.
6. NO HOLES SHALL BE DRILLED OR CUT IN OR THROUGH ANY STRUCTURAL ELEMENT WITHOUT APPROVAL OF THE ARCHITECT.
7. SLEEVE, GROUT OR SEAL ANNULAR SPACE BETWEEN PIPE AND SLEEVE WITH A MECHANICAL WATER PROOF SEAL FOR ALL PIPE PENETRATIONS THROUGH FLOOR OR WALLS. FOR PENETRATION THROUGH FIRE RATED WALLS, USE DOW-CORNING " FIRE STOP" # 2000 SEALANT.
8. VERIFY ELECTRICAL CHARACTERISTICS WITH ELECTRICAL PLANS PRIOR TO BID AND MATERIAL PURCHASE.

PIPING LEGEND



SYMBOL	ABBREV.	IDENTIFICATION
---- OR		EXISTING PIPING OR EQUIPMENT
***** OR		EXISTING PIPING OR EQUIPMENT TO BE REMOVED
—FOS—	FOS	FUEL OIL SUPPLY PIPING
—FOR—	FOR	FUEL OIL RETURN PIPING
--FOS---	FOS	FUEL OIL SUPPLY PIPING BELOW GRADE/FLOOR.
--FOR---	FOR	FUEL OIL RETURN PIPING BELOW GRADE/FLOOR
		GATE VALVE
		BALL VALVE
		UNION
		RISER UP
		RISER DOWN
		VALVE IN RISER
		FLOW IN DIRECTION OF ARROW
	POC	POINT OF CONNECTION
	POD	POINT OF DISCONNECT
	ABV	ABOVE
	AP	ACCESS PANEL
	BEL	BELOW
	BOP	BOTTOM OF PIPE
	D	DRAIN
	DN	DOWN
	EA	EACH
	EXIST	EXISTING
	F	FIRE
	FT	FEET
	GAL	GALLON(S)
	GPM	GALLONS PER MINUTE
	HP	HORSEPOWER
	HZ	HERTZ
	MAX	MAXIMUM
	MIN	MINIMUM
	OC	ON CENTER
	PH	PHASE
	SOV	SHUT OFF VALVE
	TYP	TYPICAL
	V	VOLTS

DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED
By DR
Date 8-20-93
This set of plans & specifications MUST be kept on the job at all times and
It is unlawful to make any changes or alterations on same without written
permission from the Div. of Building & Safety, City of Inglewood.
The stamping of this plan and specifications SHALL NOT be held to permit
or to be an approval of the [illegible] any provisions of any City
Ordinance, State or Federal Law.

D INFORMATION:
FILE:91804-4\DP-1
DATE:7-31-93
PLOT. SCALE:1=1
REMARKS:

0.5mm
0.7mm
1.00mm
0.25mm
0.13mm
1.40mm
0.35mm
.015mm
0.5mm
0.5mm
0.3mm
.035mm
0.35mm
0.7mm

91804

d'AUTREMONT-HELMS
& ASSOCIATES
CONSULTING ENGINEERS
6311 N. FIGUEROA STREET
LOS ANGELES, CALIF. 90042-2763
TEL: (213) 255-7121
FAX: (213) 258-6238
DATE: 91804-4\DP-1\7-31-93

Job No.: 91088-24
Drawn: A. CRISAN
Checked:
Approval:
Approval:
Date: 8-5-93
Scale: NONE

Date:	Revision:

ARCHITECTS
LEIDENFROST/HOROWITZ & ASSOCIATES
1833 VICTORY BOULEVARD
GLENDALE, CALIFORNIA 91201
(818) 246-6050

OSCAR E. LEIDENFROST, A.I.A. C4557
HERBERT H. HOROWITZ, A.I.A. C4478

SUBMITTED BY:
APPROVED BY:
ENGINEERING DIRECTOR R.C.E. NO. 17167
DATE:

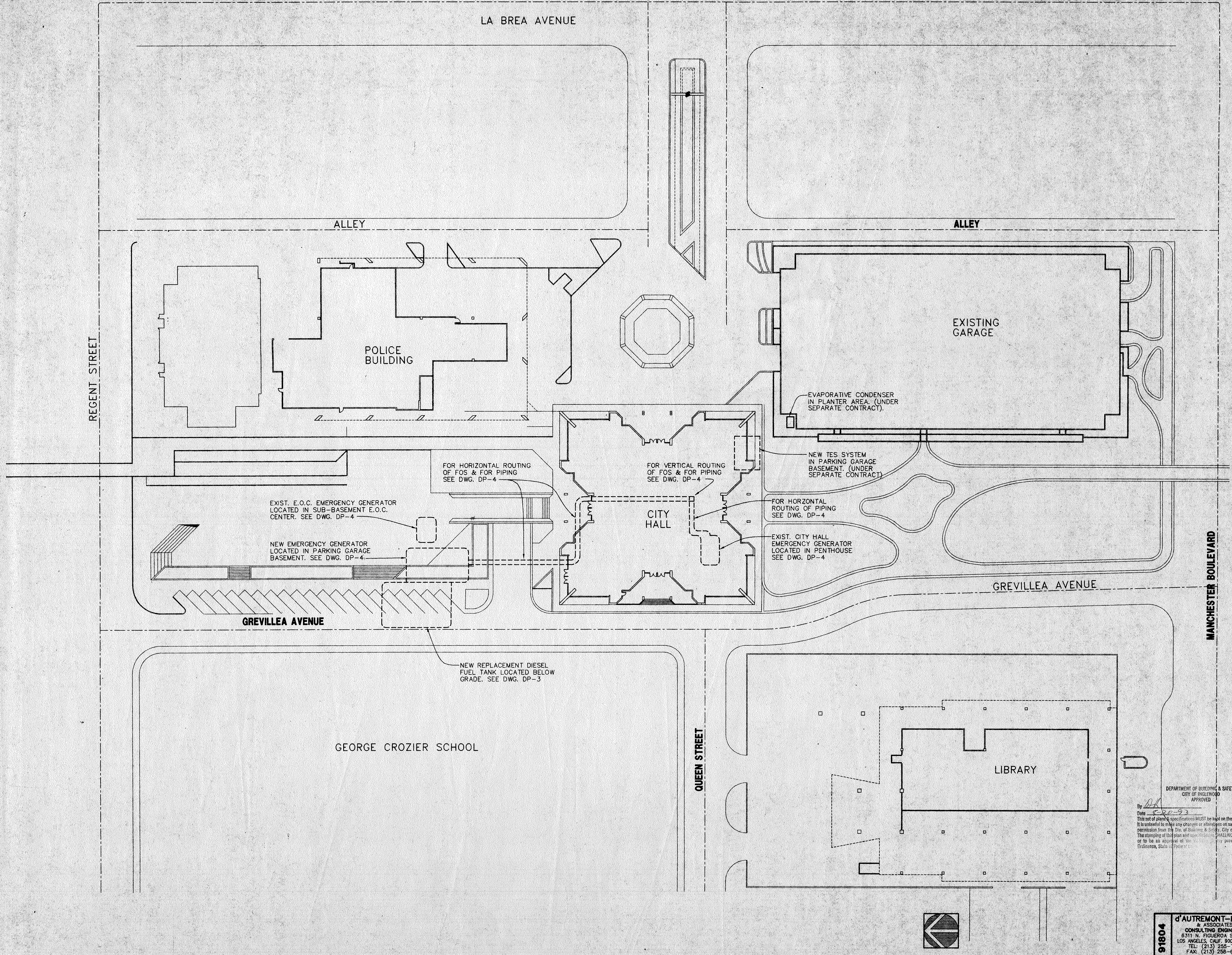
PIPING LEGEND, GENERAL NOTES AND EQUIPMENT SCHEDULE

CIVIC CENTER COMPLEX RENOVATION
EMERGENCY GENERATOR ADDITION

CITY OF INGLEWOOD
ONE MANCHESTER BOULEVARD
INGLEWOOD, CALIFORNIA 90301

DP-1

CS-4505


LA BREA AVENUE
ALLEY
ALLEY
REGENT STREET
POLICE BUILDING
EXISTING GARAGE
EVAPORATIVE CONDENSER IN PLANTER AREA. (UNDER SEPARATE CONTRACT).
NEW TES SYSTEM IN PARKING GARAGE BASEMENT. (UNDER SEPARATE CONTRACT)
FOR HORIZONTAL ROUTING OF FOS & FOR PIPING SEE DWG. DP-4
FOR VERTICAL ROUTING OF FOS & FOR PIPING SEE DWG. DP-4
EXIST. E.O.C. EMERGENCY GENERATOR LOCATED IN SUB-BASEMENT E.O.C. CENTER. SEE DWG. DP-4
CITY HALL
FOR HORZONTAL ROUTING OF PIPING SEE DWG. DP-4
EXIST. CITY HALL EMERGENCY GENERATOR LOCATED IN PENTHOUSE SEE DWG. DP-4
NEW EMERGENCY GENERATOR LOCATED IN PARKING GARAGE BASEMENT. SEE DWG. DP-4
GREVILLEA AVENUE
GREVILLEA AVENUE
MANCHESTER BOULEVARD
NEW REPLACEMENT DIESEL FUEL TANK LOCATED BELOW GRADE. SEE DWG. DP-3
GEORGE CROZIER SCHOOL
QUEEN STREET
LIBRARY

AD INFORMATION:
FILE:91804-4\DP-2
DATE:7-30-93
PLOT. SCALE:1=30'
REMARKS:

0.5mm
0.7mm
1.00mm
0.25mm
0.13mm
1.40mm
0.35mm
.035mm
0.5mm
0.5mm
0.5mm
.035mm
0.35mm
0.7mm

DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED

By DR
Date 8-20-93

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91804

d'AUTREMONT-HELMS
& ASSOCIATES
CONSULTING ENGINEERS
6311 N. FIGUEROA STREET
LOS ANGELES, CALIF. 90042-2763
TEL: (213) 255-7121
FAX: (213) 258-6238
FILE: 91804-4\DP-2\7-30-93

ARCHITECTS
LEIDENFROST/HOROWITZ & ASSOCIATES
1833 VICTORY BOULEVARD
GLENDALE, CALIFORNIA 91201
(818) 246-6050

OSCAR E. LEIDENFROST, A.I.A. C4567
HERBERT H. HOROWITZ, A.I.A. C4478

Date:	Revision:

Job No.: 91088-24
Drawn: B.C.
Checked:
Approval:
Approval:
Date: 8-5-93
Scale: 1"=30'-0"

SUBMITTED BY: DATE:

APPROVED BY:

ENGINEERING DIRECTOR R.C.E. NO. 17167

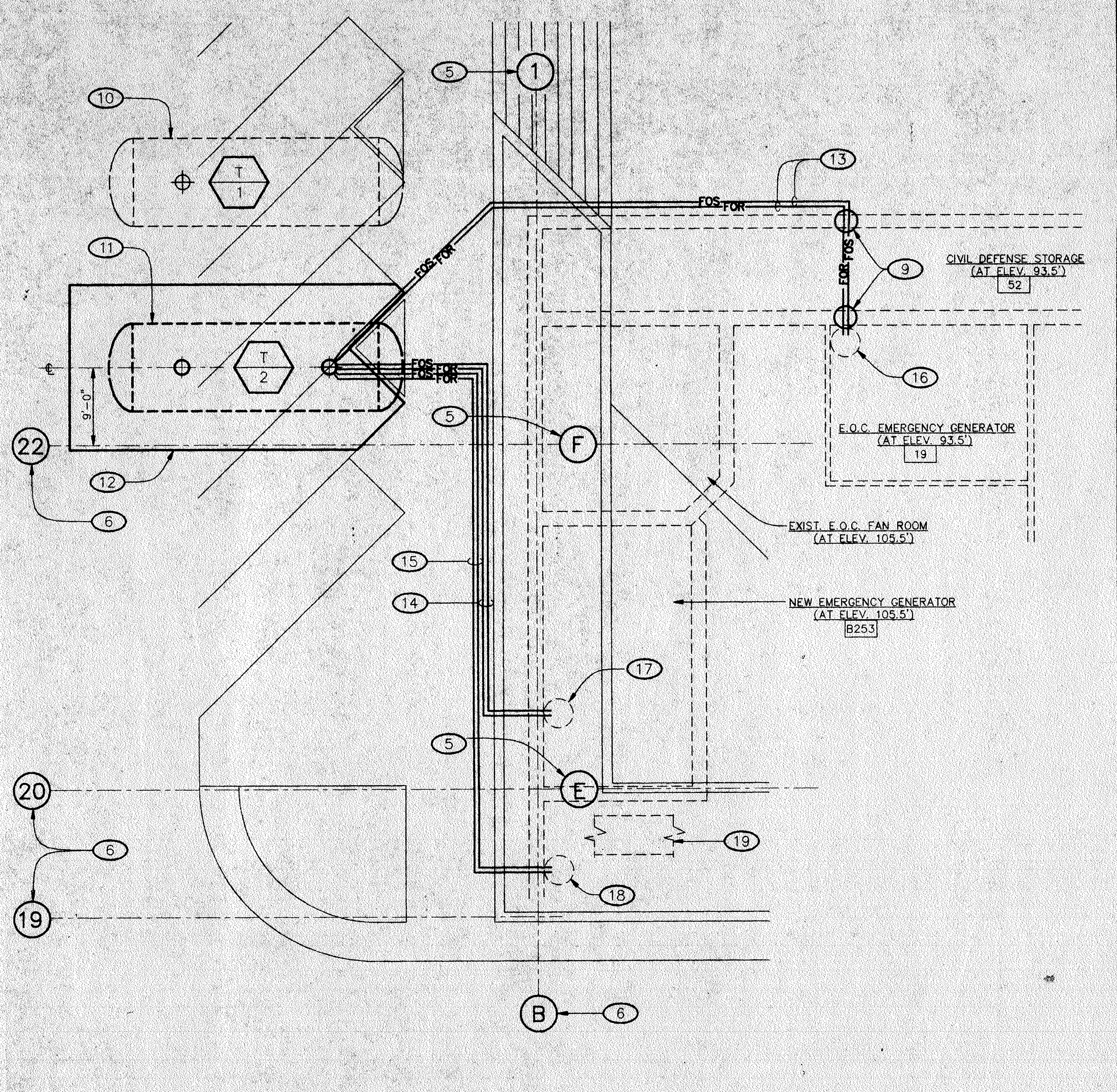
SITE PLAN

CIVIC CENTER COMPLEX RENOVATION
EMERGENCY GENERATOR ADDITION

CITY OF INGLEWOOD
ONE MANCHESTER BOULEVARD
INGLEWOOD, CALIFORNIA 90301

DP-2

CS-4505

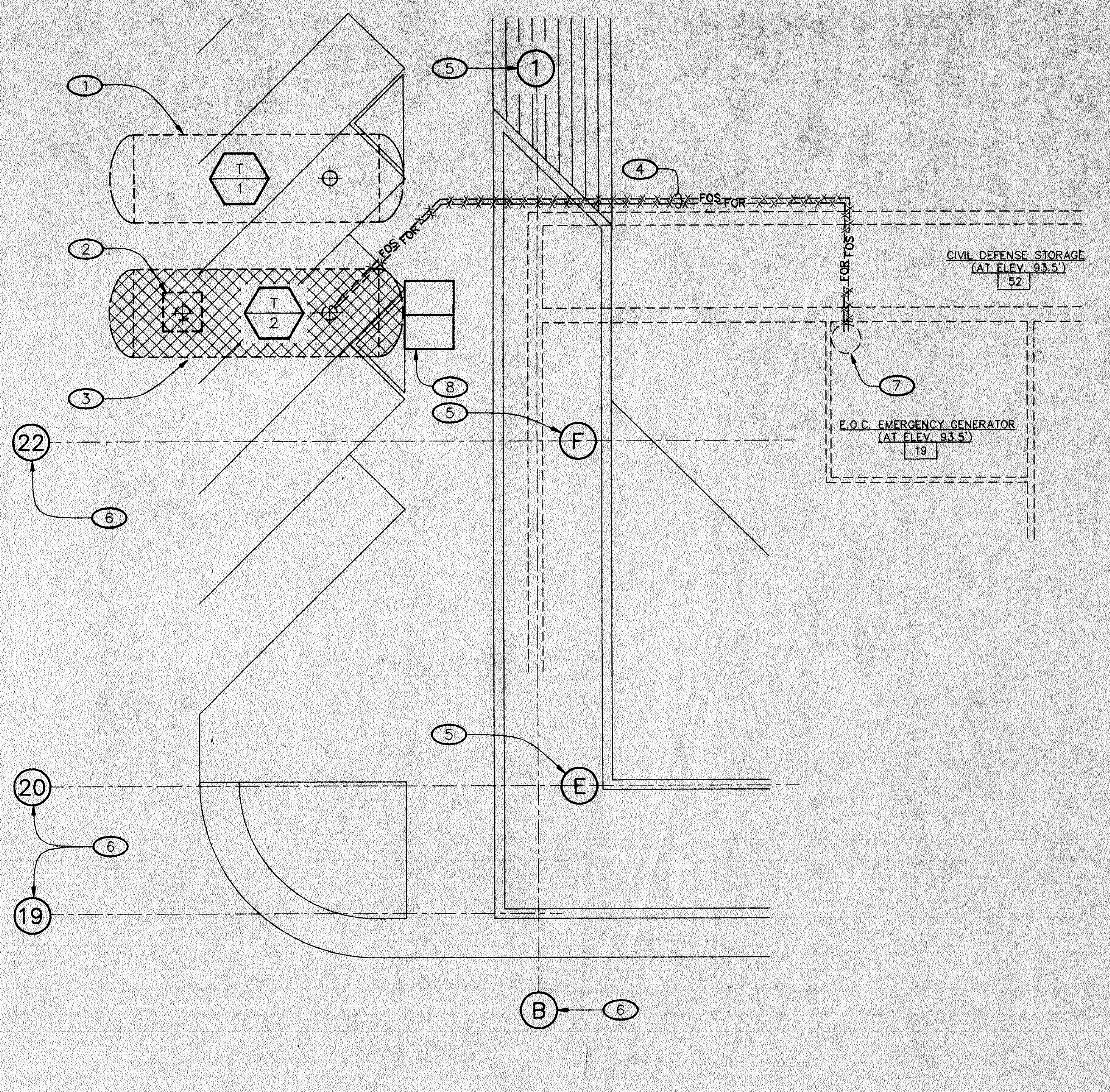


10
11
T 1
T 2
9'-0"
22
12
6
5
1
13
FOS FOR
9
16
CIVIL DEFENSE STORAGE (AT ELEV. 93.5') 52
E.O.C. EMERGENCY GENERATOR (AT ELEV. 93.5') 19
F
EXIST. E.O.C. FAN ROOM (AT ELEV. 105.5')
15
14
NEW EMERGENCY GENERATOR (AT ELEV. 105.5') B253
17
E
19
18
20
B

NEW WORK PLAN

SCALE: 1/8"=1'-0"

2 / DP-3



1
2
3
4
5
T 1
T 2
8
22
6
FOS FOR
CIVIL DEFENSE STORAGE (AT ELEV. 93.5') 52
E.O.C. EMERGENCY GENERATOR (AT ELEV. 93.5') 19
7
F
E
20
19
B

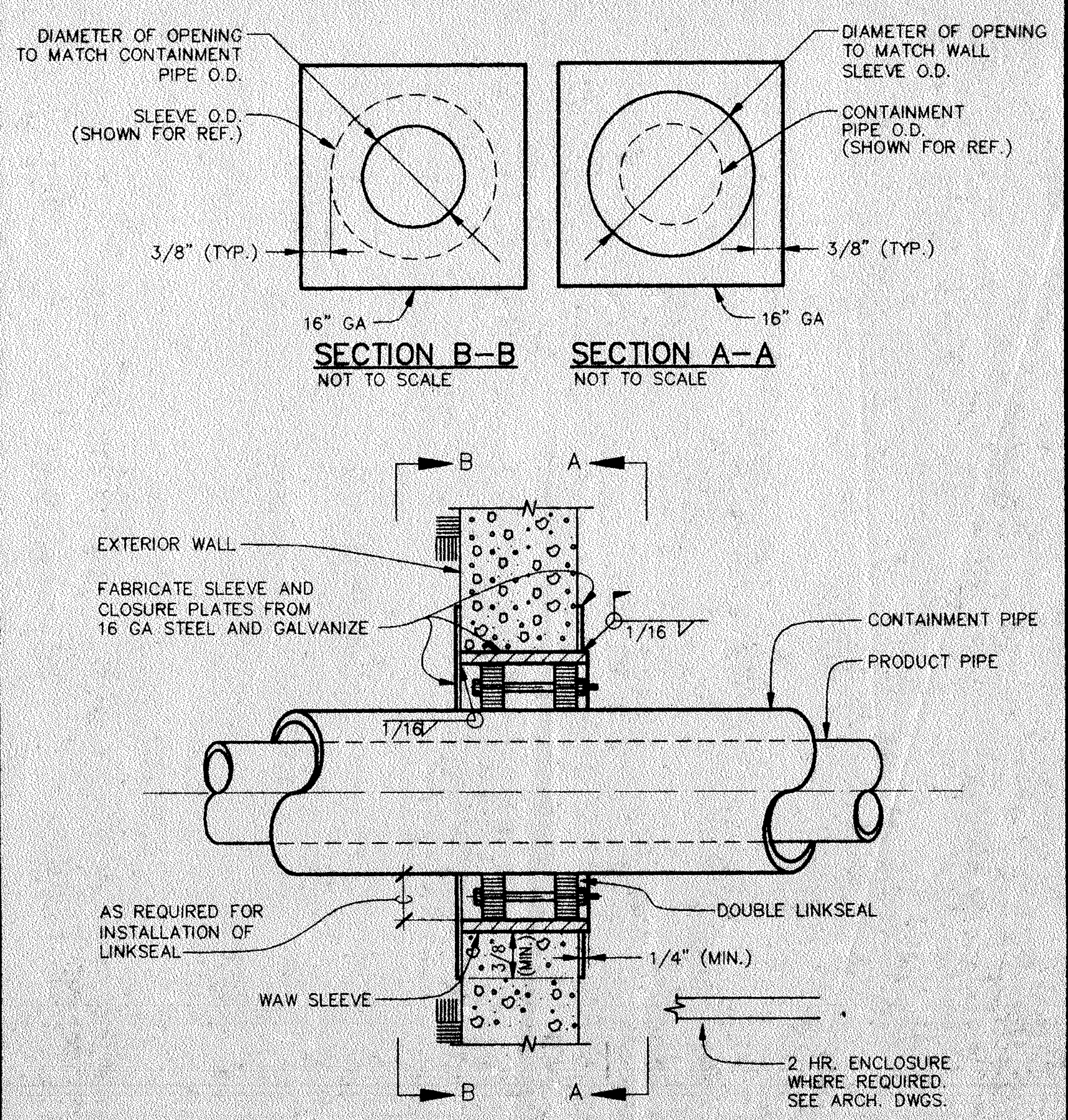
DEMOLITION PLAN

SCALE: 1/8"=1'-0"

1 / DP-3

SHEET NOTES

1. EXISTING EMERGENCY POTABLE WATER TANK TO REMAIN
2. EXISTING FUEL OIL FILL CONNECTION TO BE REMOVED
3. EXISTING 10,000 GAL. CAPACITY DIESEL FUEL STORAGE TANK, PUMP, CONCRETE PAD AND PIPING TO BE REMOVED
4. EXIST. 3/4" FOS & FOR LOCATED BELOW GRADE TO BE REMOVED
5. COORDINATES TO E.O.C.
6. COORDINATES TO CITY HALL
7. FOR REPLACEMENT OF EXISTING DIESEL FUEL OIL DAY TANK, AUXILIARY PUMP, AND PIPING LOCATED IN THIS AREA, SEE DWG. DP-4. FOR CONTROLS SEE DWG. DP-5.
8. EXIST. WATER METERS TO REMAIN.
9. ENLARGE WALL PENETRATIONS TO ALLOW FOR NEW PIPING W/CONTAINMENT PIPING TO PASS THROUGH WALL. EXISTING WATER METERS TO REMAIN.
10. EXISTING EMERGENCY POTABLE WATER TANK
11. NEW 10,000 GAL. CAPACITY DIESEL FUEL STORAGE TANK. SEE 1/DP-5
12. NEW CONCRETE TOP SLAB. SEE 1/DP-5
13. NEW 3/4" FOS & FOR PIPING WITH 1-1/4" OUTER CONTAINMENT PIPING.
14. NEW 1" FOS & FOR PIPING WITH 1-1/2" OUTER CONTAINMENT PIPING.
15. NEW 1-1/2" FOS & FOR PIPING WITH 2-1/2" OUTER CONTAINMENT PIPING.
16. FOR DETAIL HOOK-UP OF NEW DAY TANK (T/3)
    FOR EXIST. E.O.C. EMERGENCY GENERATOR SEE 1/DP-4
17. FOR DETAIL HOOK-UP OF NEW DAY TANK (T/4)
    FOR NEW EMERGENCY GENERATOR SEE 2/DP-4
18. FOR CONTINUATION OF PIPING TO NEW DAY TANK (T/5) FOR EXIST. CITY HALL EMERGENCY GENERATOR SEE 3/DP-4, 4/DP-4 AND 5/DP-4
19. RELOCATED 48x20 DUCT. SEE GM-1

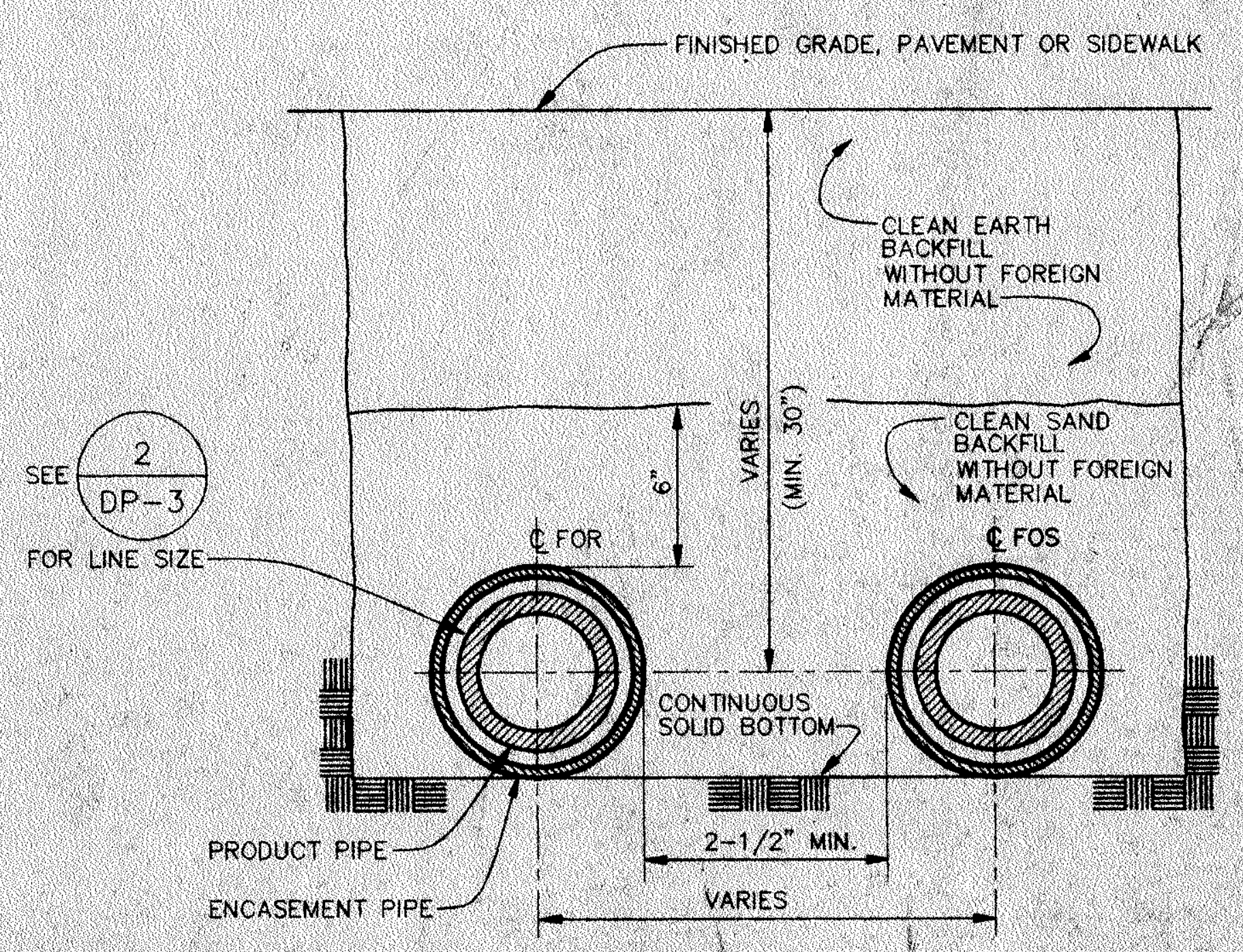


DIAMETER OF OPENING TO MATCH CONTAINMENT PIPE O.D.
SLEEVE O.D. (SHOWN FOR REF.)
3/8" (TYP.)
16" GA
SECTION B-B
NOT TO SCALE
DIAMETER OF OPENING TO MATCH WALL SLEEVE O.D.
CONTAINMENT PIPE O.D. (SHOWN FOR REF.)
3/8" (TYP.)
16" GA
SECTION A-A
NOT TO SCALE
B
A
EXTERIOR WALL
FABRICATE SLEEVE AND CLOSURE PLATES FROM 16 GA STEEL AND GALVANIZE
1/16
1/16
CONTAINMENT PIPE
PRODUCT PIPE
AS REQUIRED FOR INSTALLATION OF LINKSEAL
DOUBLE LINKSEAL
3/8" (MIN.)
1/4" (MIN.)
WAW SLEEVE
2 HR. ENCLOSURE WHERE REQUIRED. SEE ARCH. DWGS.

DETAIL - WALL PENETRATION

NOT TO SCALE

4 / DP-3



FINISHED GRADE, PAVEMENT OR SIDEWALK
CLEAN EARTH BACKFILL WITHOUT FOREIGN MATERIAL
CLEAN SAND BACKFILL WITHOUT FOREIGN MATERIAL
VARIES (MIN. 30")
6"
SEE 2/DP-3 FOR LINE SIZE
℄ FOR
℄ FOS
CONTINUOUS SOLID BOTTOM
PRODUCT PIPE
ENCASEMENT PIPE
2-1/2" MIN.
VARIES

DETAIL - BURIED FUEL OIL LINES

NOT TO SCALE

3 / DP-3

DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED
By DR
Date 8-20-93
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CAD INFORMATION:
FILE:91804-4\DP-4
DATE:7-30-93
PLOT. SCALE:125=1'
REMARKS:

0.5mm
0.7mm
1.00mm
0.25mm
0.13mm
1.40mm
0.35mm
.035mm
0.5mm
0.5mm
0.5mm
.035mm
0.35mm
0.7mm

Job No.: 91088-24
Drawn: A. CRISAN
Checked:
Approval:
Approval:
Date: 8-5-93
Scale: AS NOTED

Date: | Revision:

ARCHITECTS
LEIDENFROST/HOROWITZ & ASSOCIATES
1833 VICTORY BOULEVARD
GLENDALE, CALIFORNIA 91201
(818) 246-6050

OSCAR E. LEIDENFROST, A.I.A. C4557
HERBERT H. HOROWITZ, A.I.A. C4478

DATE:

SUBMITTED BY:

APPROVED BY:

ENGINEERING DIRECTOR R.C.E. NO. 17167

FUEL TANK PLAN AND PIPING DETAILS

CIVIC CENTER COMPLEX RENOVATION
EMERGENCY GENERATOR ADDITION

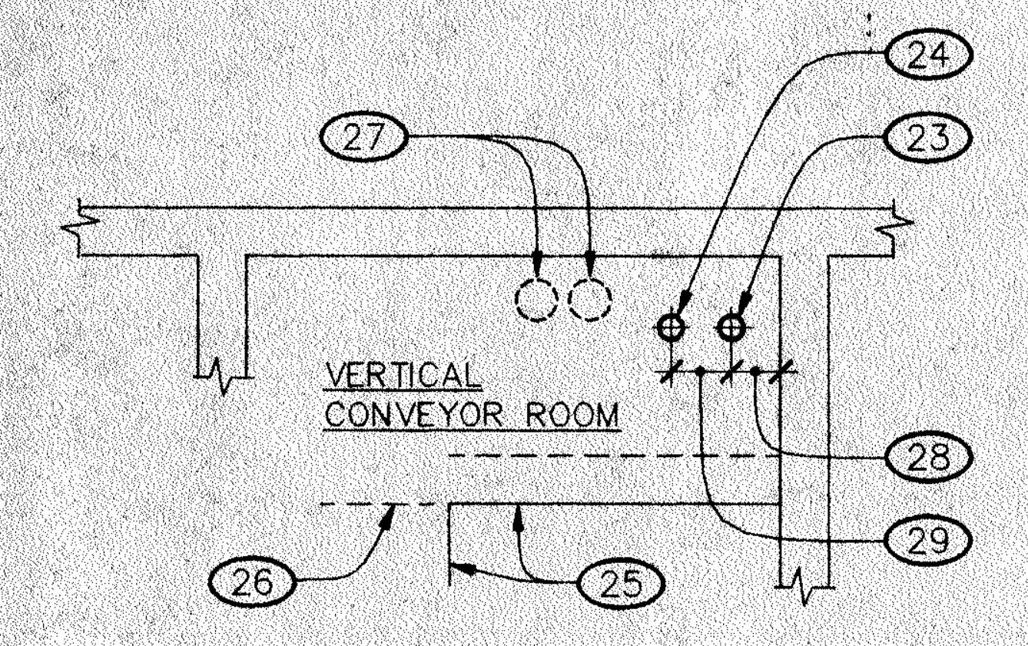
CITY OF INGLEWOOD
ONE MANCHESTER BOULEVARD
INGLEWOOD, CALIFORNIA 90301

CS-4505

91804-4

d'AUTREMONT-HELMS
& ASSOCIATES
CONSULTING ENGINEERS
6311 N. FIGUEROA STREET
LOS ANGELES, CALIF. 90042-2763
TEL: (213) 255-7121
FAX: (213) 258-6238
FILE: 91804-4\DP-3\7-30-93

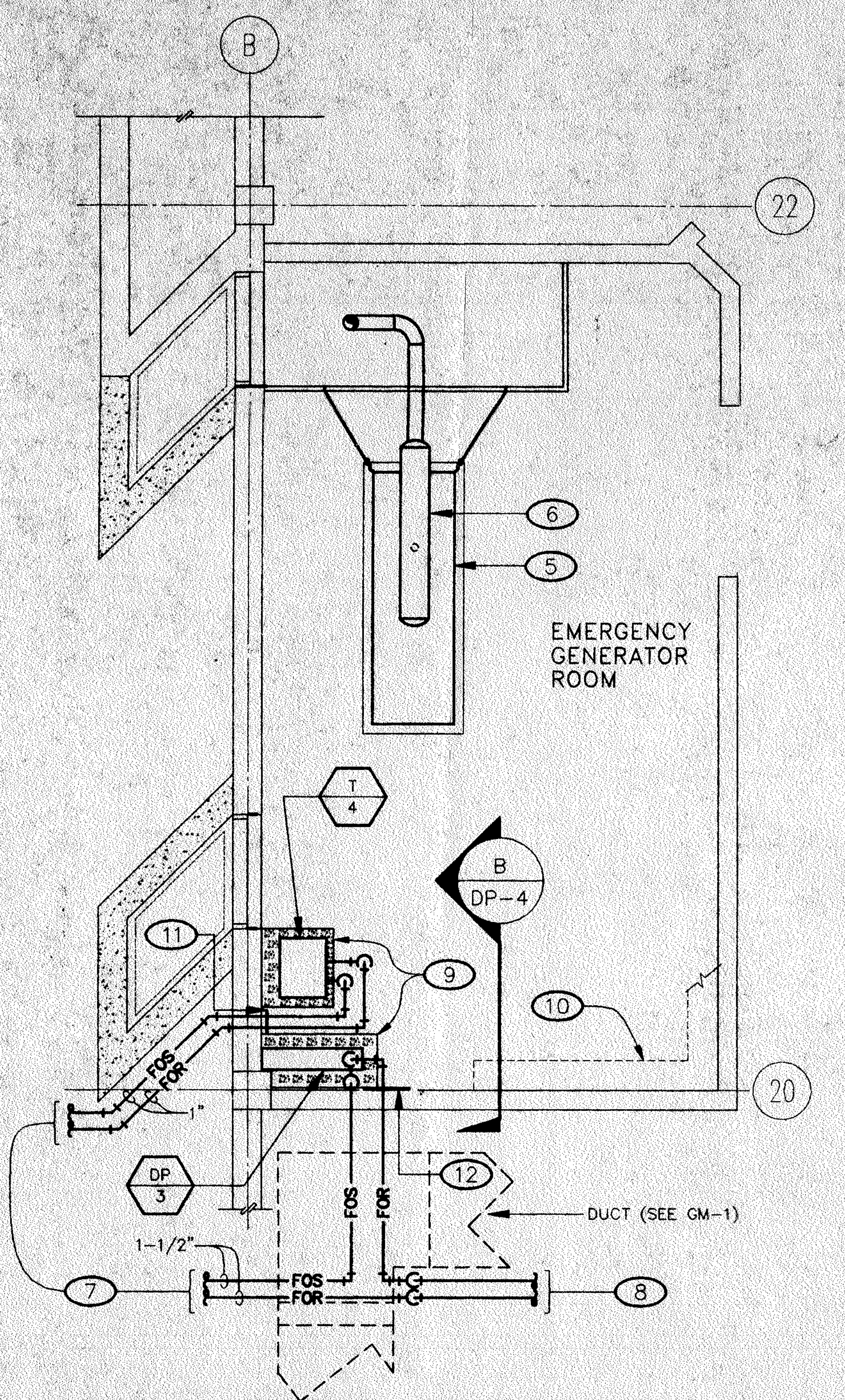
DP-3


27
24
23
VERTICAL
CONVEYOR ROOM
28
29
26
25

TYPICAL ROUTING OF FOS & FOR THRU VERTICAL CONVEYOR ROOM

NOT TO SCALE

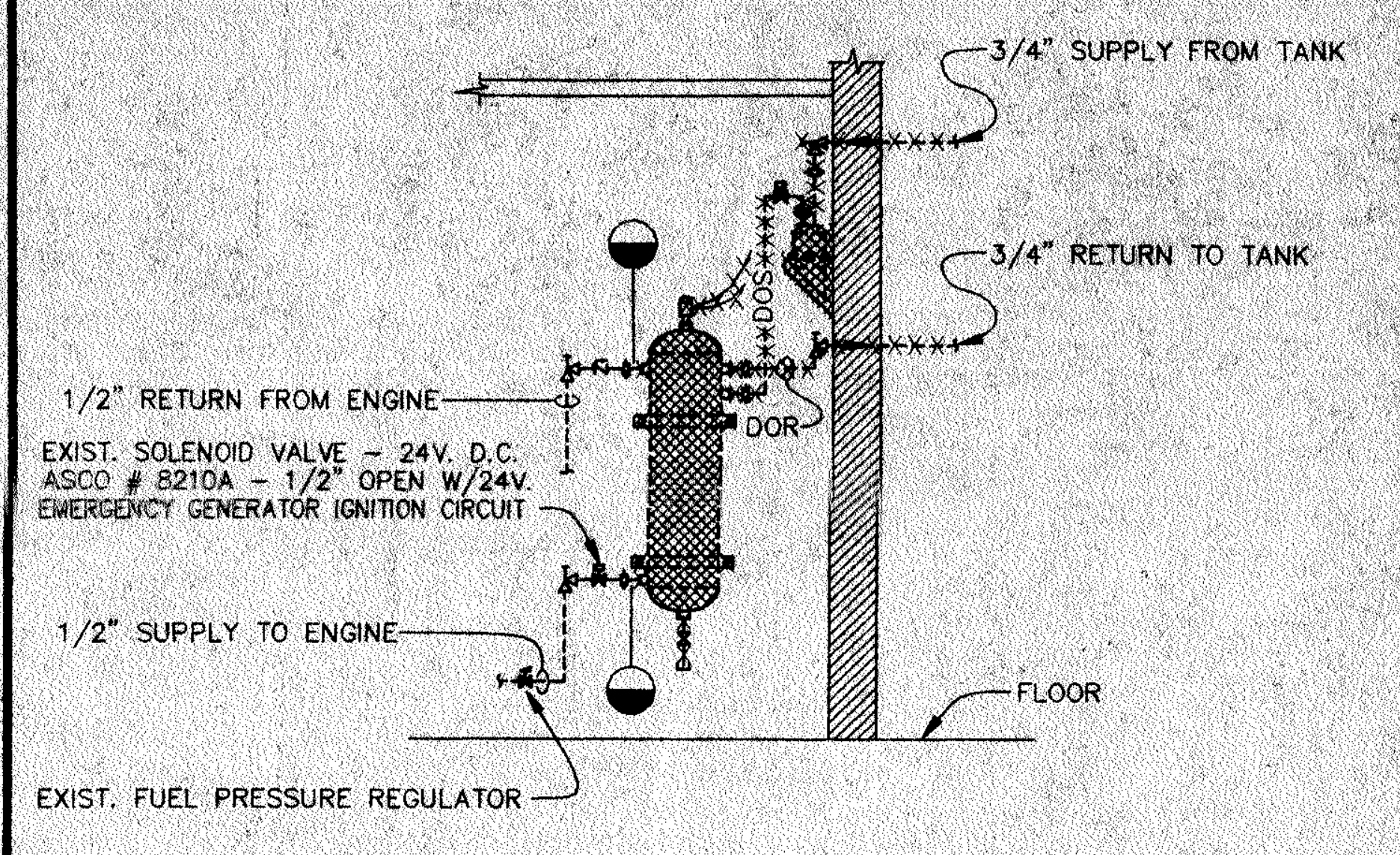
5 / DP-4


B
22
6
5
EMERGENCY
GENERATOR
ROOM
T 4
B DP-4
11
9
10
20
FOS
FOR
DP 3
12
DUCT (SEE GM-1)
1-1/2"
7
FOS
FOR
8

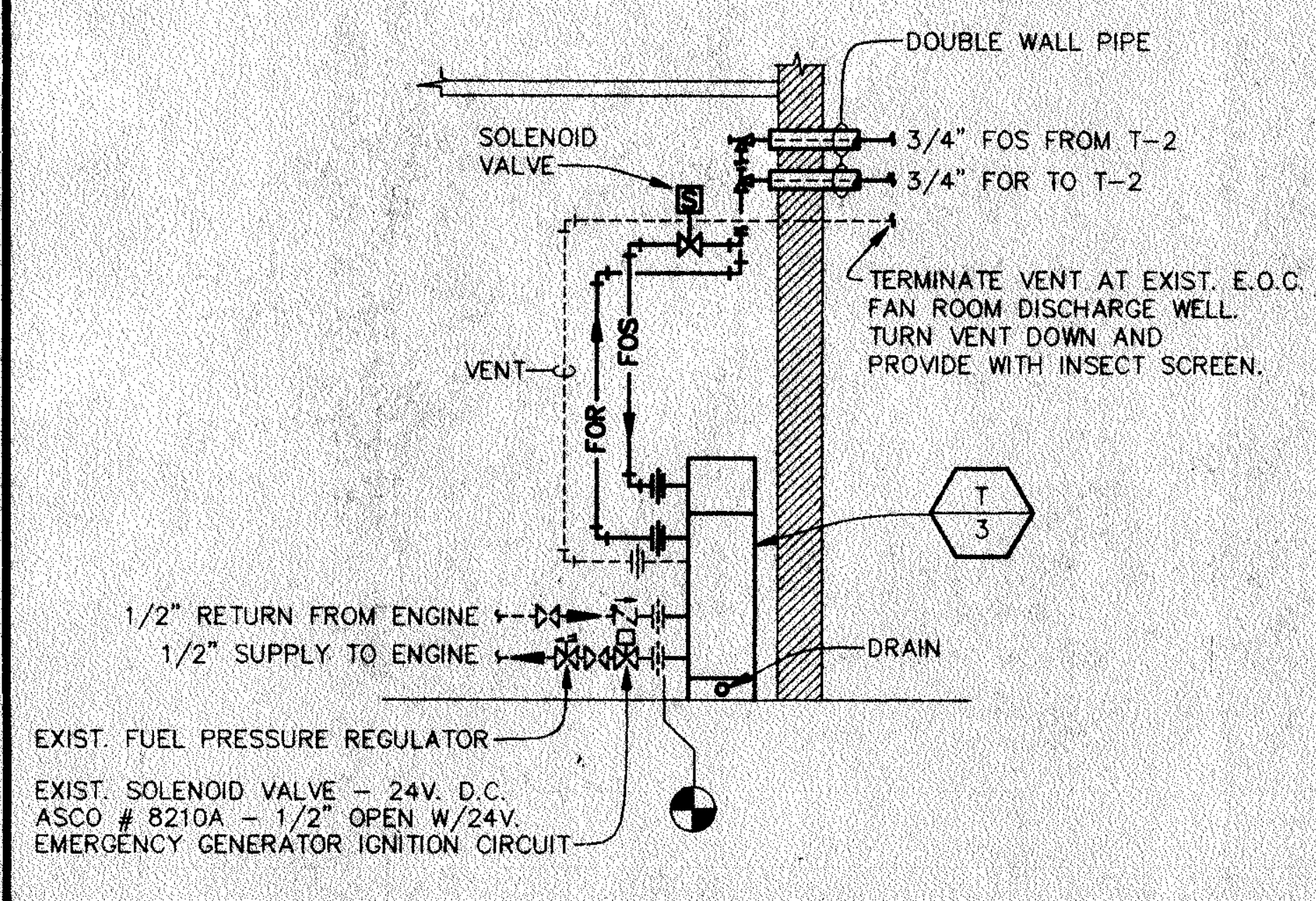
PLAN-NEW EMERGENCY GENERATOR ROOM

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

2 / DP-4


3/4" SUPPLY FROM TANK
3/4" RETURN TO TANK
DOS
DOR
1/2" RETURN FROM ENGINE
EXIST. SOLENOID VALVE - 24V. D.C.
ASCO # 8210A - 1/2" OPEN W/24V.
EMERGENCY GENERATOR IGNITION CIRCUIT
1/2" SUPPLY TO ENGINE
FLOOR
EXIST. FUEL PRESSURE REGULATOR

EXISTING DAY TANK

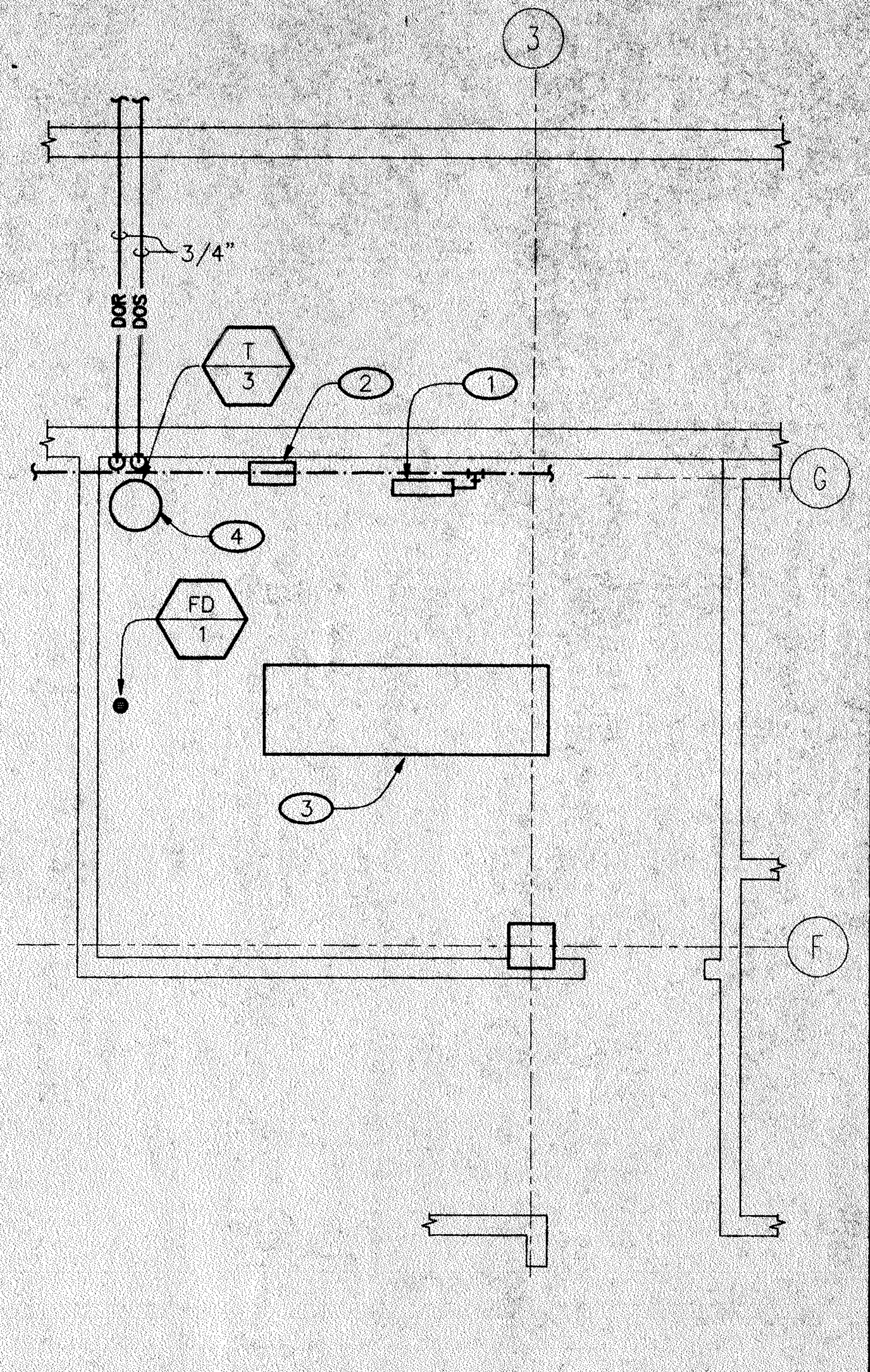

DOUBLE WALL PIPE
SOLENOID
VALVE
S
3/4" FOS FROM T-2
3/4" FOR TO T-2
TERMINATE VENT AT EXIST. E.O.C.
FAN ROOM DISCHARGE WELL.
TURN VENT DOWN AND
PROVIDE WITH INSECT SCREEN.
VENT
FOS
FOR
T 3
1/2" RETURN FROM ENGINE
1/2" SUPPLY TO ENGINE
DRAIN
EXIST. FUEL PRESSURE REGULATOR
EXIST. SOLENOID VALVE - 24V. D.C.
ASCO # 8210A - 1/2" OPEN W/24V.
EMERGENCY GENERATOR IGNITION CIRCUIT

NEW DAY TANK

DETAIL - DAY TANK T-3

NOT TO SCALE

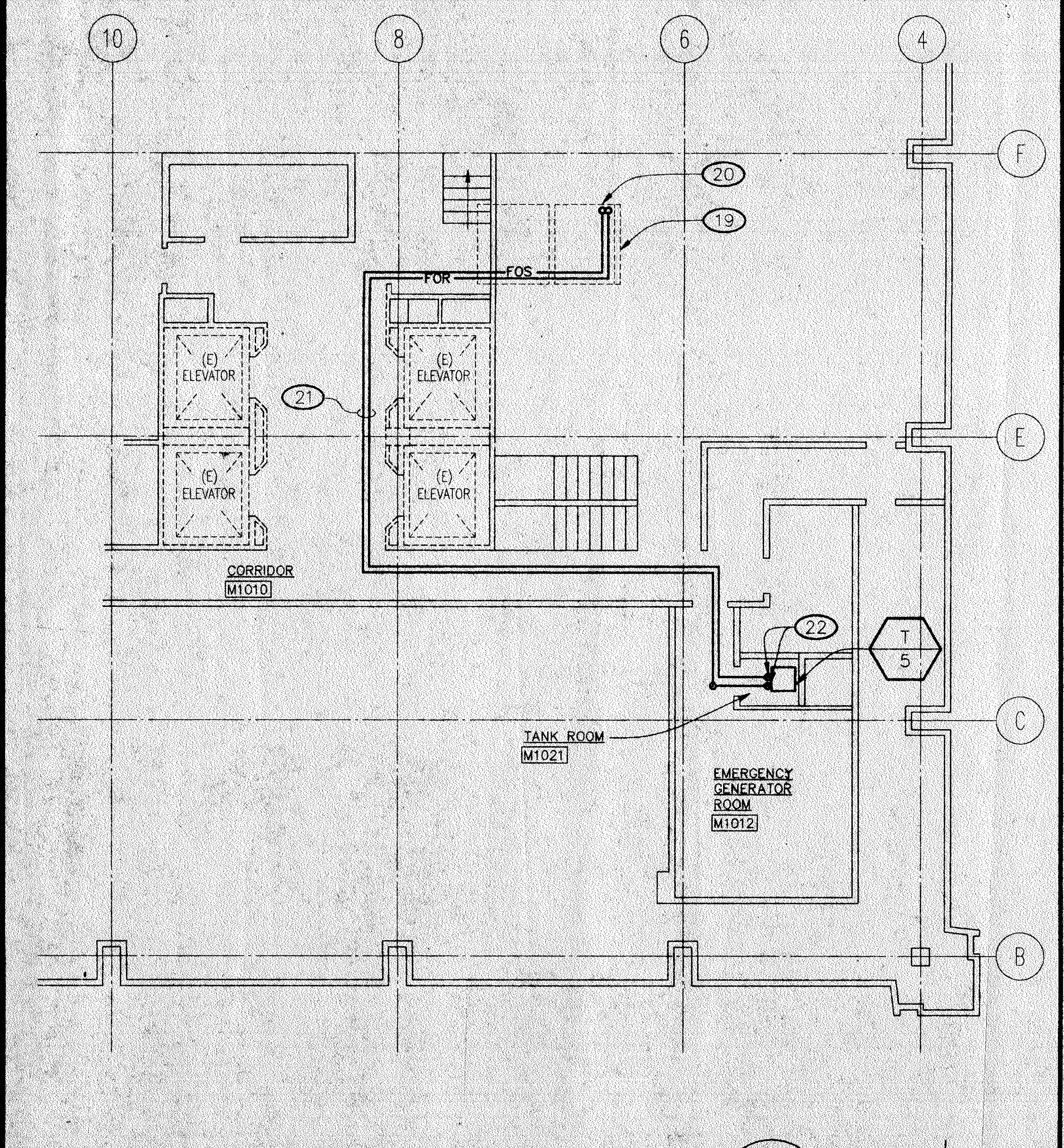
A / DP-4


3
3/4"
DOR
DOS
T 3
2
1
G
4
FD 1
3
F

PLAN-EXISTING E.O.C. GENERATOR ROOM

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

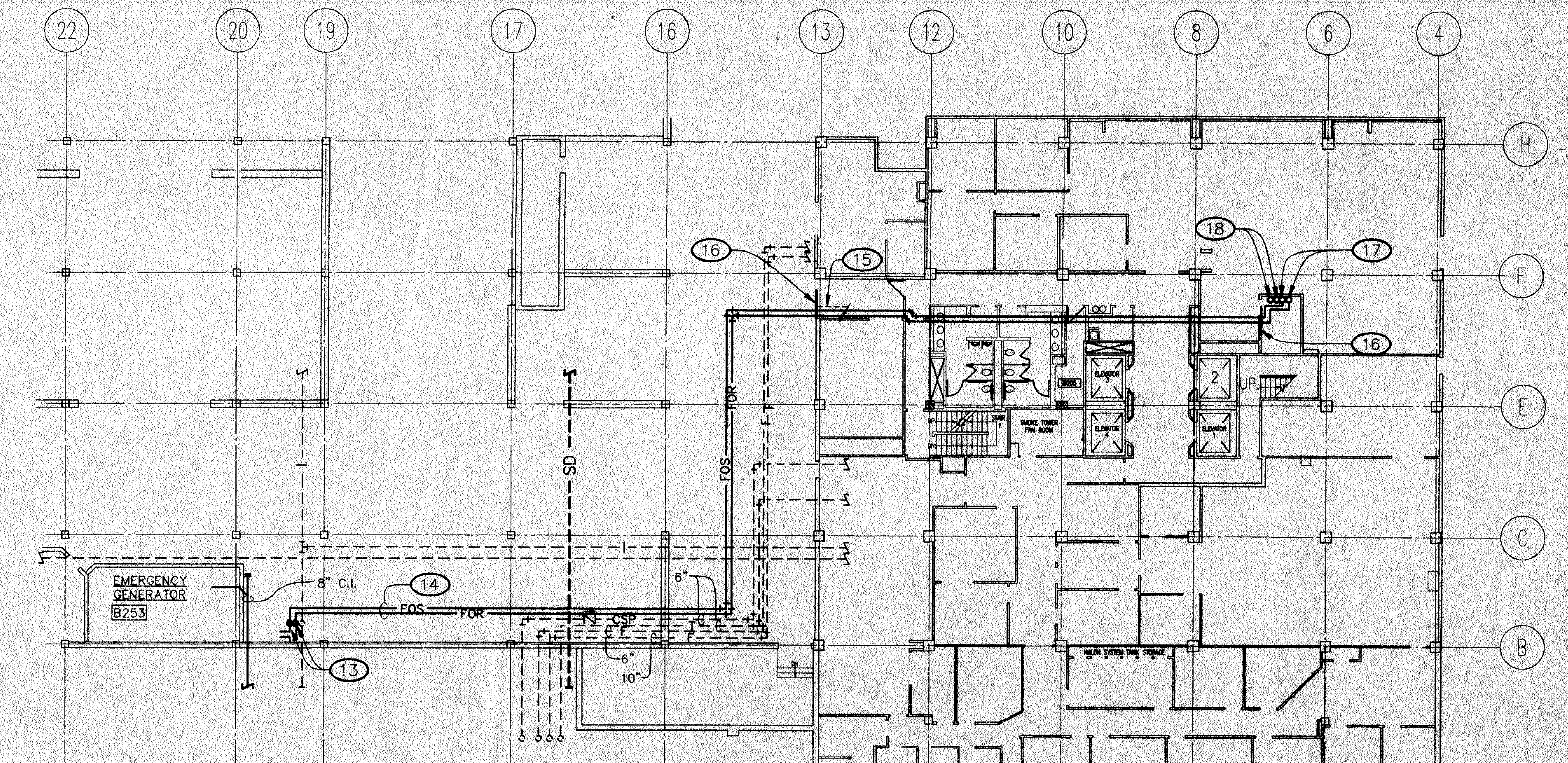
1 / DP-4


10
8
6
4
F
20
19
FOR
FOS
(E)
ELEVATOR
(E)
ELEVATOR
21
(E)
ELEVATOR
(E)
ELEVATOR
E
CORRIDOR
M1010
22
T 5
C
TANK ROOM
M1021
EMERGENCY
GENERATOR
ROOM
M1012
B

PARTIAL PENTHOUSE FLOOR PLAN

SCALE: 1/8"=1'-0"

4 / DP-3


22
20
19
17
16
13
12
10
8
6
4
H
F
E
C
B
16
15
18
17
16
SD
FOS
FOR
ELEVATOR 3
ELEVATOR 4
ELEVATOR 1
2
UP
STAIR 1
SMOKE TOWER FAN ROOM
EMERGENCY
GENERATOR
B253
8" C.I.
14
FOS
FOR
CSP
6"
6"
10"
13
HALON SYSTEM TANK STORAGE

PARTIAL BASEMENT PLAN

1/16"=1'-0"

3 / DP-4

SHEET NOTES

① 3/4" CW TO EMERGENCY GENERATOR, W/ BFP
② DIESEL OIL LEVEL GAUGE
③ EXISTING XXX KVA EMERGENCY GENERATOR
④ SEE A / DP-4 FOR BOTH REMOVAL OF EXISTING DAY TANK AND HOOK-UP OF NEW DAY TANK.
⑤ NEW XXX KVA EMERGENCY GENERATOR
⑥ EMERGENCY GENERATOR EXHAUST PIPING. SEE 1 / GM-1
⑦ FOR CONTINUATION SEE DRAWING DP-2
⑧ FOR CONTINUATION SEE 3 / DP-4
⑨ 4" HIGH EQUIPMENT PAD. SEE ARCHITECTURAL DRAWING A 1.1
⑩ ELECTRICAL PANELS. SEE ELECTRICAL DRAWINGS.
⑪ LIMIT OF DOUBLE WALL PIPING. SIMILAR TO 4 / DP-3 WALL PENETRATION.
⑫ LIMIT OF DOUBLE WALL PIPING. SIMILAR TO 4 / DP-3 WALL PENETRATION.
⑬ FOR CONTINUATION SEE 2 / DP-4
⑭ 1-1/2" FOS & FOR (DOUBLE WALL PIPING). RUN AS HIGH AS POSSIBLE THRU BEAMS @ COLUMN LINES.
⑮ SEE ARCHITECTURAL DRAWINGS FOR 2 HR. ENCLOSURE.
⑯ LIMIT OF 2 HR. ENCLOSURE.
⑰ 1-1/2" FOS & FOR TO RISE IN CORNER OF VERTICAL CONVEYOR ROOM.
⑱ EXISTING ELECTRICAL CONDUITS.
⑲ OUTLINE OF VERTICAL CONVEYOR ROOM BELOW
⑳ FOS & FOR PIPING TO PENETRATE FLOOR AND BE ENCLOSED IN A 2 HR. RATED ENCLOSURE FROM THIS POINT TO TANK ROOM. SEE ARCHITECTURAL DRAWINGS FOR DETAIL.
㉑ RUN 1-1/2" FOS & FOR DOUBLE WALL PIPING AS HIGH AS POSSIBLE.
㉒ DROP TO T / 5
㉓ FOS
㉔ FOR
㉕ EDGE OF FLOOR OPENING IN VERTICAL CONVEYOR ROOM.
㉖ CONCRETE BEAM BELOW FLOOR
㉗ EXISTING ELECTRICAL CONDUITS
㉘ LOCATE NEW FLOOR PENETRATION AS CLOSE TO WALL AS POSSIBLE.
㉙ MINIMUM DISTANCE WHICH WILL ALLOW 3" BETWEEN CONTAINMENT PIPING O.D.'S.

DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED
By
Date 8-20-93
This set of plans & specifications MUST be kept on the job at all times and
It is unlawful to make any changes or alterations on same without written
permission from the Div. of Building & Safety, City of Inglewood.
The stamping of this plan and specifications SHALL NOT be held to permit
or to be an approval of the violation of any provisions of any City
Ordinance, State or Federal Law.

AD INFORMATION:
FILE:91804-4\DP-4
DATE:8-2-93
PLOT. SCALE:.125=1'
REMARKS:

0.5mm
0.7mm
1.00mm
0.25mm
0.13mm
1.40mm
0.35mm
.035mm
0.5mm
0.5mm
0.5mm
.035mm
0.35mm
0.7mm

91804

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Date:	Revision:

Job No.: 91088-24
Drawn: A. CRISAN
Checked:
Approval:
Approval:
Date: 8-5-93
Scale: AS NOTED

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OSCAR E. LEIDENFROST, A.I.A. C4557
HERBERT H. HOROWITZ, A.I.A. C4478

SUBMITTED BY:
DATE:
APPROVED BY:
ENGINEERING DIRECTOR R.C.E. NO. 17167

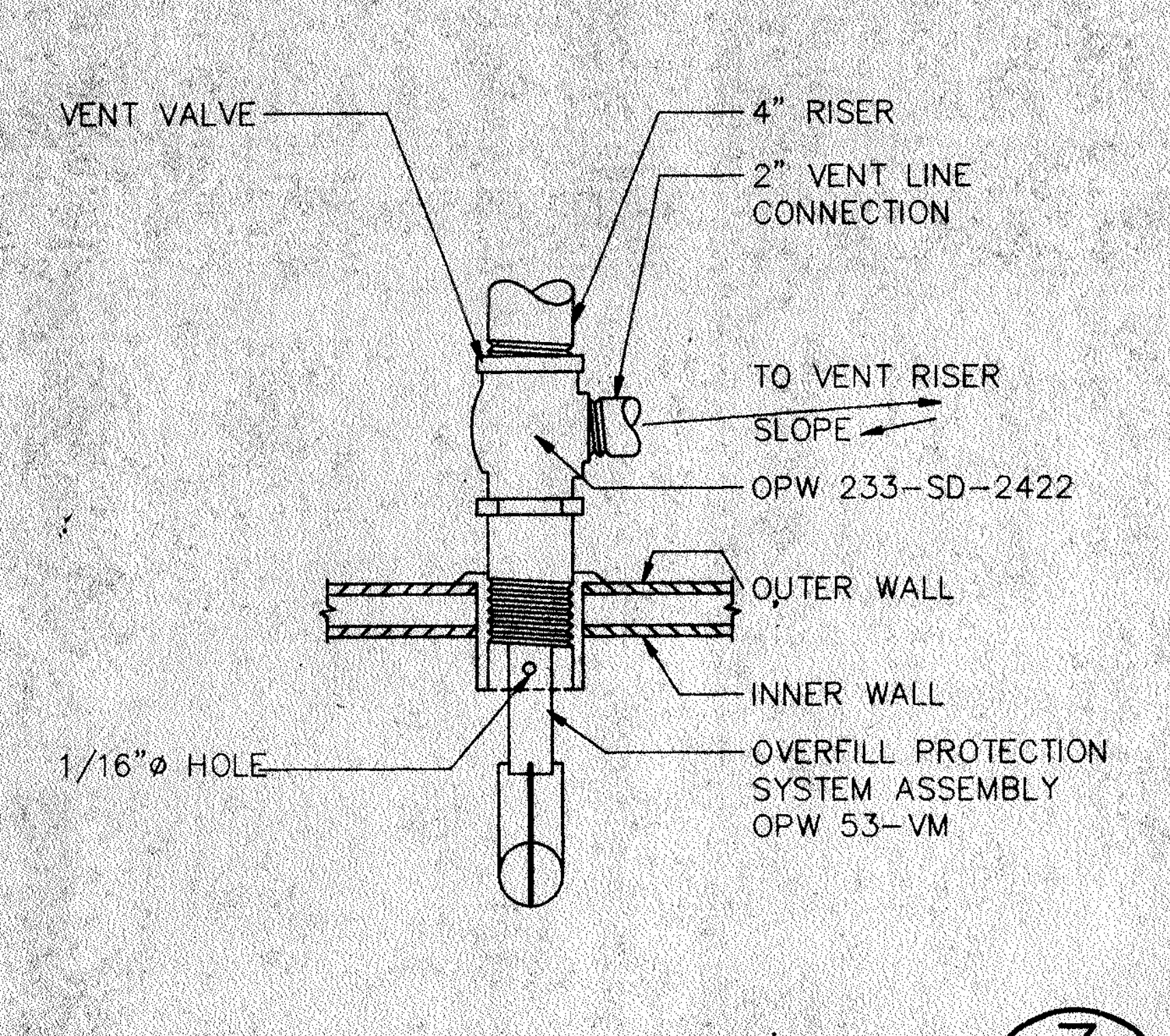
EMERGENCY GENERATOR ROOM

CIVIC CENTER COMPLEX RENOVATION
EMERGENCY GENERATOR ADDITION

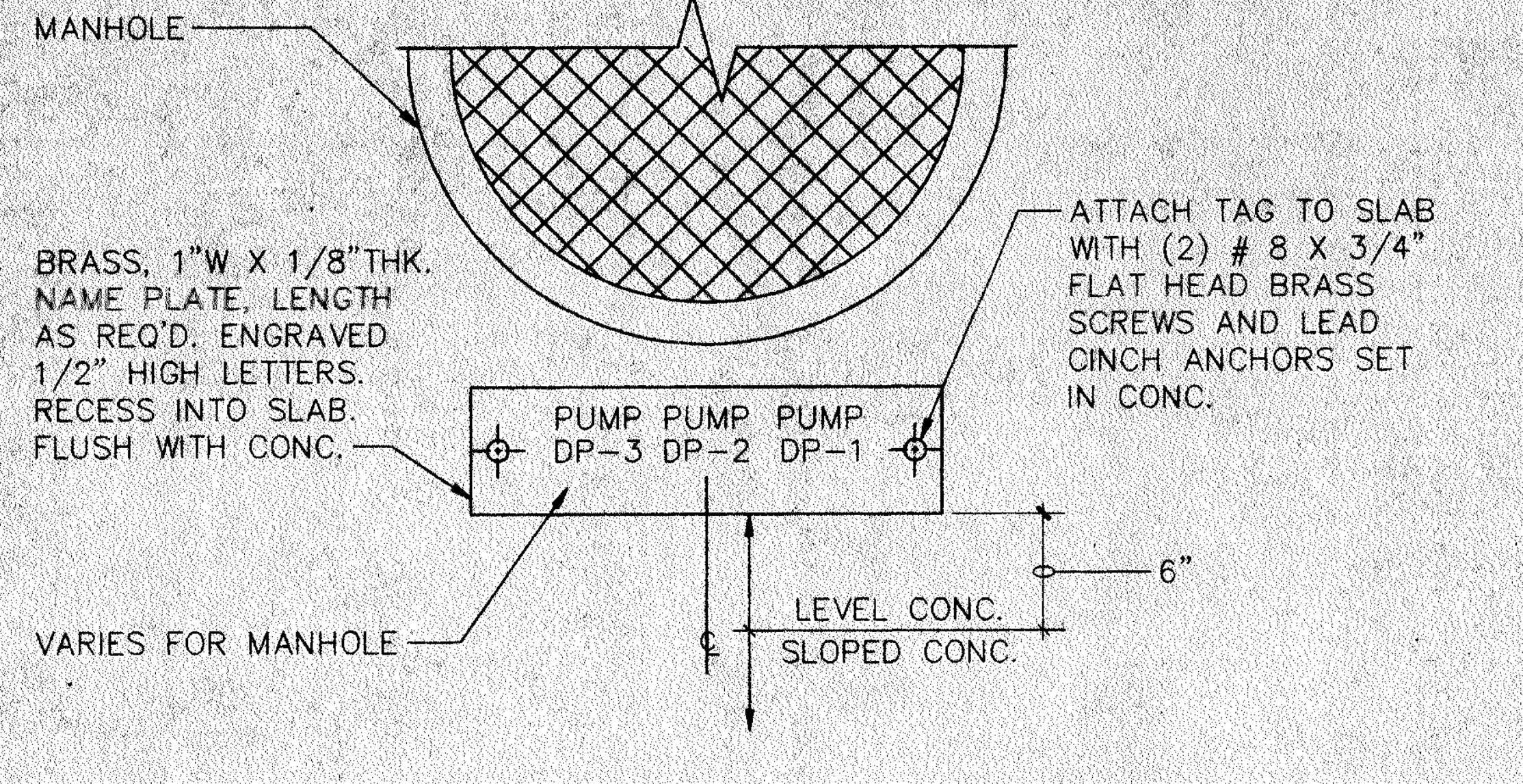
CITY OF INGLEWOOD
ONE MANCHESTER BOULEVARD
INGLEWOOD, CALIFORNIA 90301

CS-4505

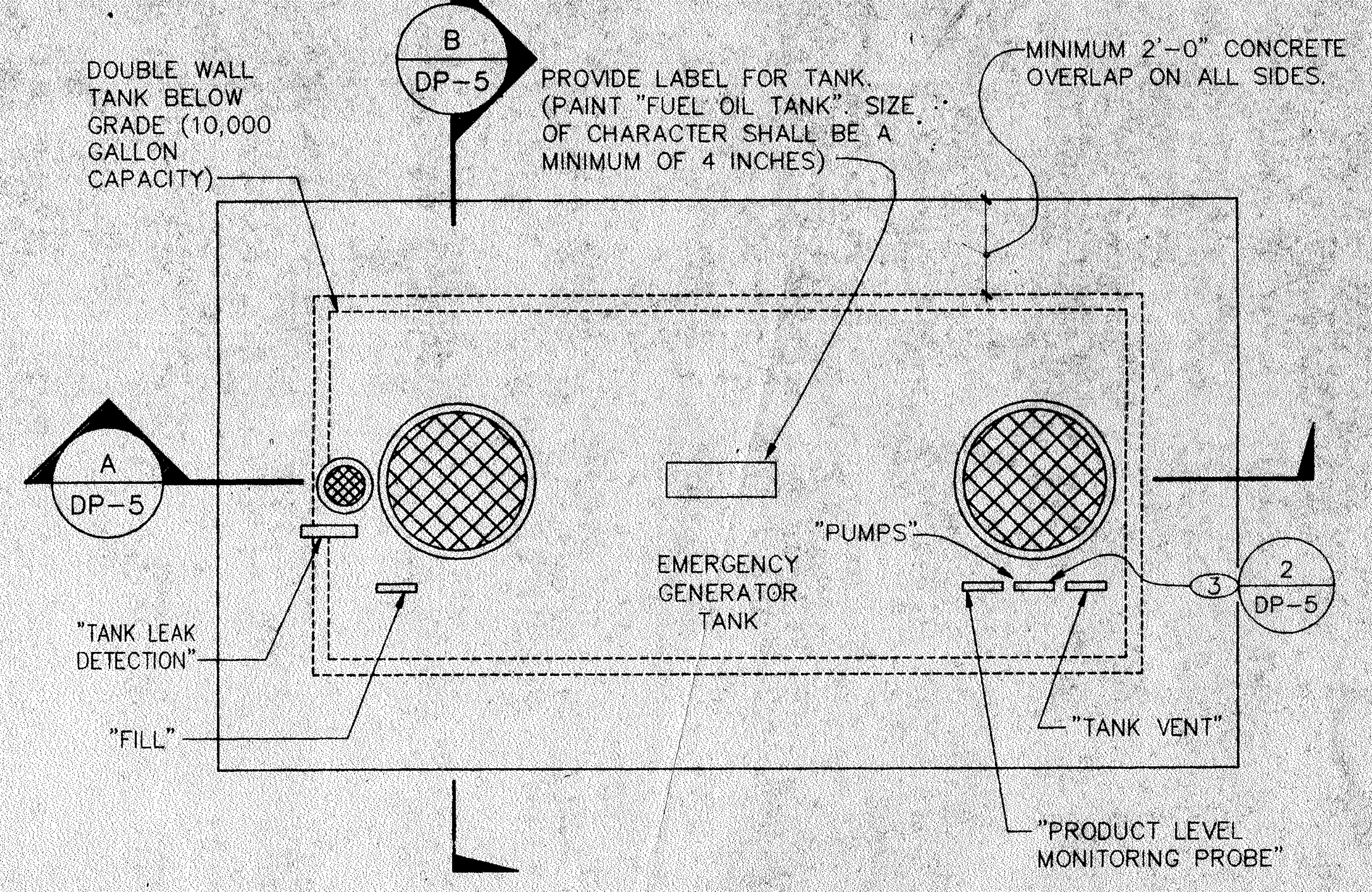
DP-4


VENT VALVE
4" RISER
2" VENT LINE CONNECTION
TO VENT RISER
SLOPE
OPW 233-SD-2422
OUTER WALL
INNER WALL
1/16"ø HOLE
OVERFILL PROTECTION SYSTEM ASSEMBLY OPW 53-VM

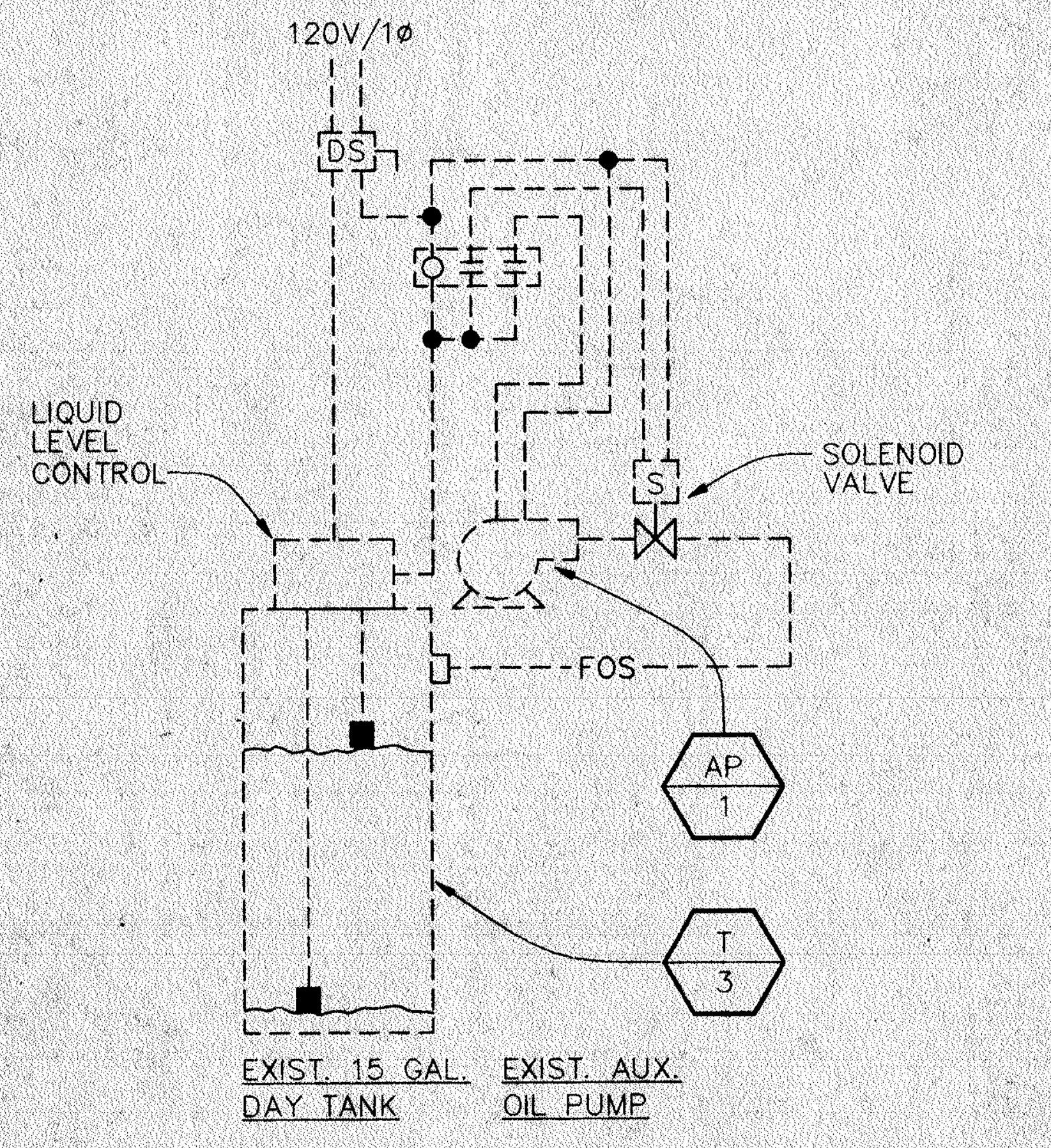
OVERFILL PROTECTION AND VENT VALVE DETAIL
3
DP-5
NOT TO SCALE


MANHOLE
BRASS, 1"W X 1/8"THK. NAME PLATE, LENGTH AS REQ'D, ENGRAVED 1/2" HIGH LETTERS. RECESS INTO SLAB. FLUSH WITH CONC.
PUMP DP-3
PUMP DP-2
PUMP DP-1
ATTACH TAG TO SLAB WITH (2) # 8 X 3/4" FLAT HEAD BRASS SCREWS AND LEAD CINCH ANCHORS SET IN CONC.
6"
LEVEL CONC.
SLOPED CONC.
VARIES FOR MANHOLE

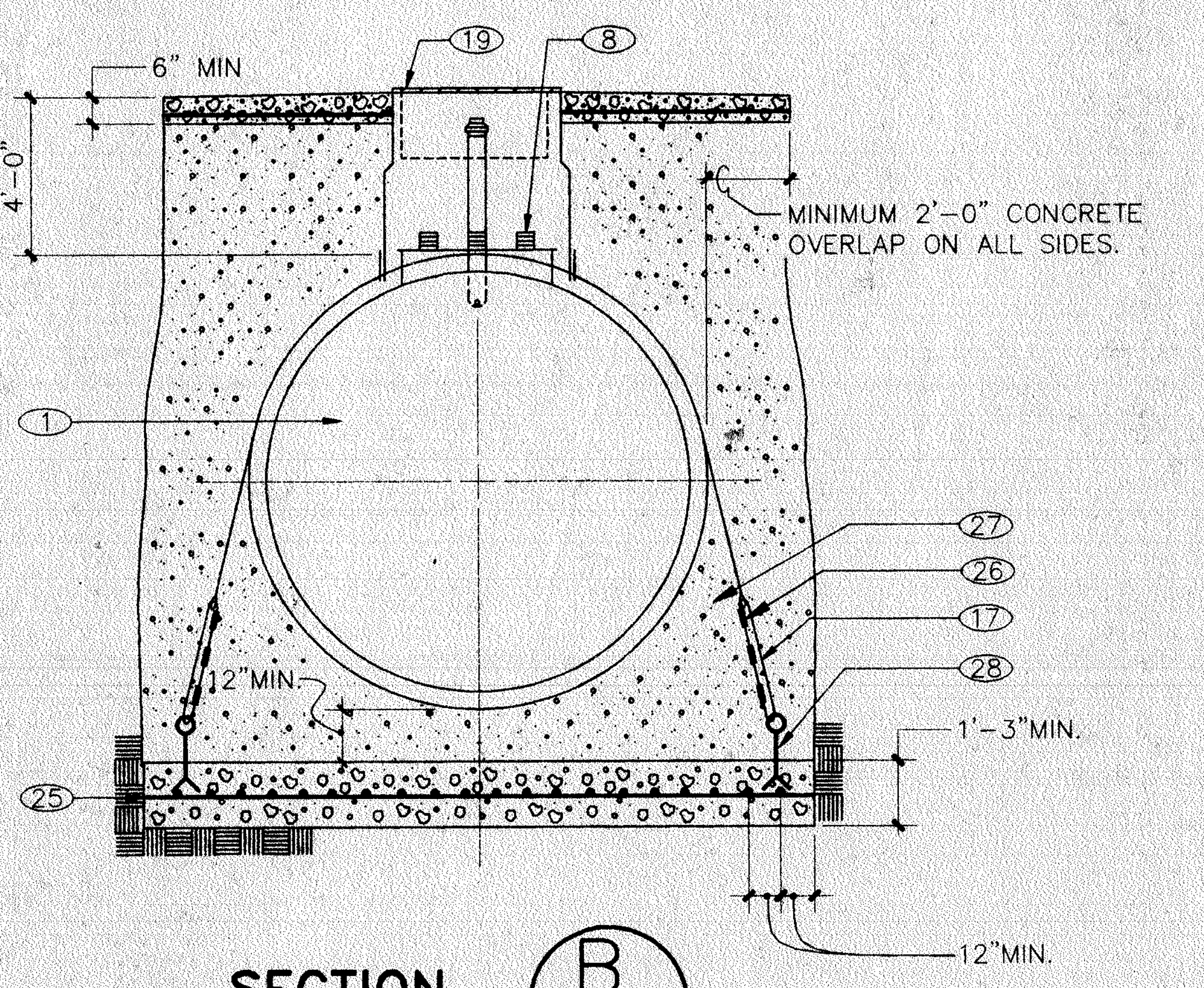
IDENTIFICATION TAG DETAIL
2
DP-5
NOT TO SCALE


DOUBLE WALL TANK BELOW GRADE (10,000 GALLON CAPACITY)
B
DP-5
PROVIDE LABEL FOR TANK. (PAINT "FUEL OIL TANK". SIZE OF CHARACTER SHALL BE A MINIMUM OF 4 INCHES)
MINIMUM 2'-0" CONCRETE OVERLAP ON ALL SIDES.
A
DP-5
"TANK LEAK DETECTION"
"FILL"
EMERGENCY GENERATOR TANK
"PUMPS"
3
2
DP-5
"TANK VENT"
"PRODUCT LEVEL MONITORING PROBE"

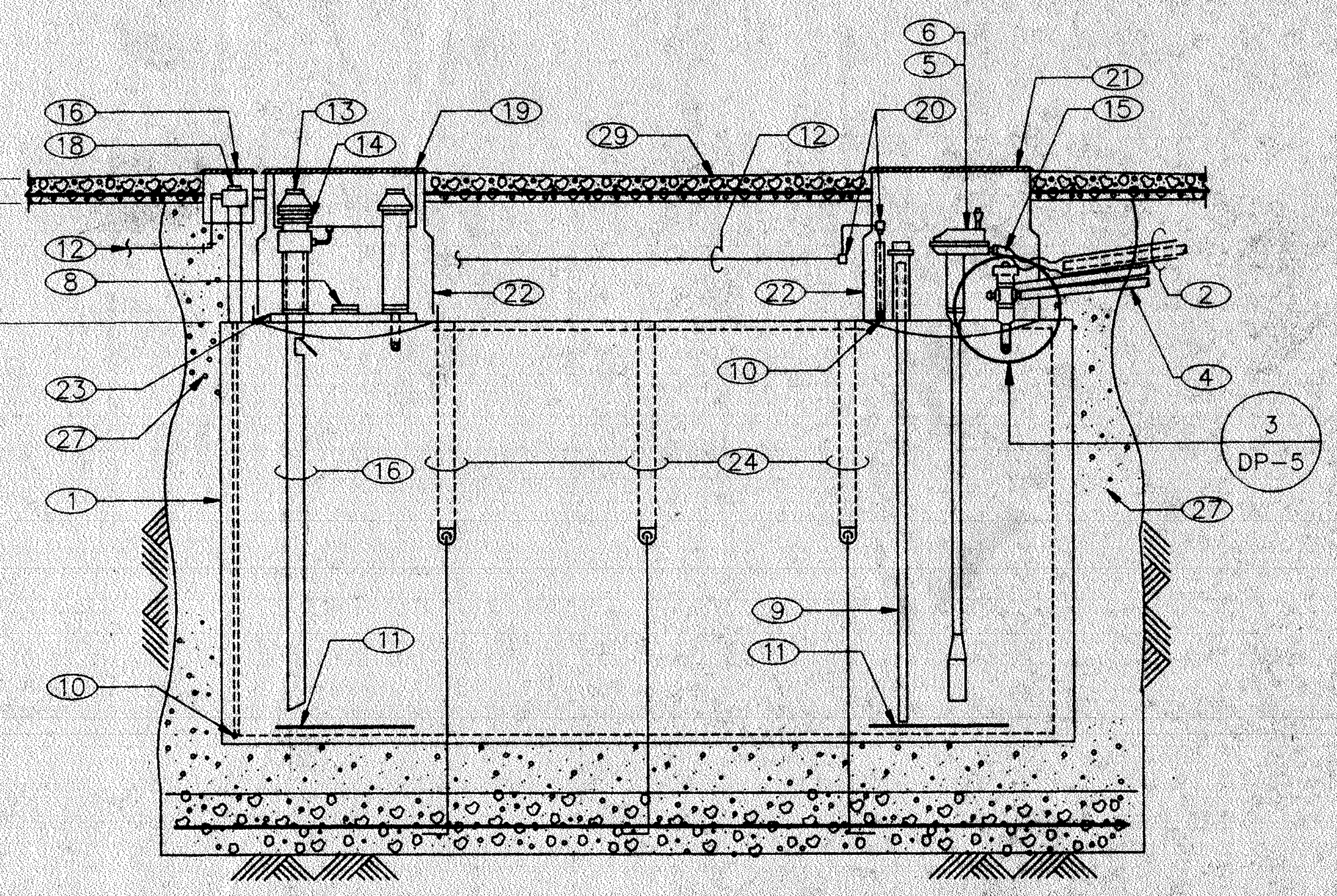
UNDERGROUND TANK PLAN ABOVE GRADE
1
DP-5
NOT TO SCALE


120V/1ø
DS
LIQUID LEVEL CONTROL
SOLENOID VALVE
S
FOS
AP
1
T
3
EXIST. 15 GAL. DAY TANK
EXIST. AUX. OIL PUMP

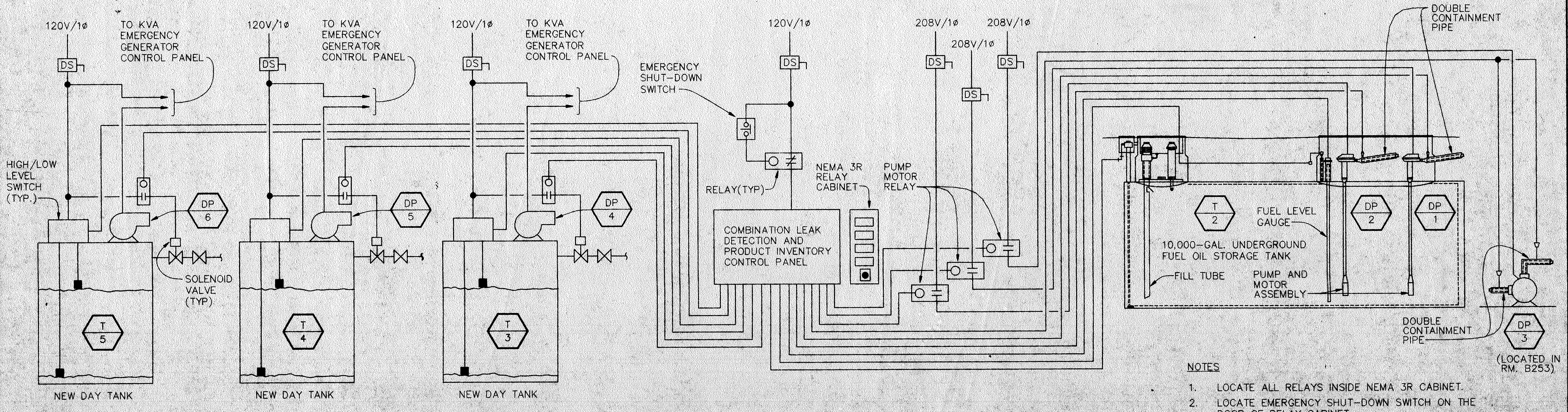
EXISTING E.O.C. TANK MONITORING SYSTEM WIRING DIAGRAM
NOT TO SCALE


19
8
6" MIN
4'-0"
MINIMUM 2'-0" CONCRETE OVERLAP ON ALL SIDES.
1
27
26
17
28
12"MIN.
1'-3"MIN.
25
12"MIN.

SECTION
B
DP-5
NOT TO SCALE


6
5
21
15
16
18
13
14
19
29
12
20
6"
4'-0"
12
8
22
22
2
4
10
23
27
3
DP-5
1
16
24
27
9
11
11
10

SECTION
A
DP-5
NOT TO SCALE


120V/1ø
TO KVA EMERGENCY GENERATOR CONTROL PANEL
DS
120V/1ø
TO KVA EMERGENCY GENERATOR CONTROL PANEL
DS
120V/1ø
TO KVA EMERGENCY GENERATOR CONTROL PANEL
DS
EMERGENCY SHUT-DOWN SWITCH
120V/1ø
DS
208V/1ø
208V/1ø
208V/1ø
DS
DS
DS
DOUBLE CONTAINMENT PIPE
HIGH/LOW LEVEL SWITCH (TYP.)
DP
6
DP
5
DP
4
RELAY(TYP)
NEMA 3R RELAY CABINET
PUMP MOTOR RELAY
SOLENOID VALVE (TYP)
COMBINATION LEAK DETECTION AND PRODUCT INVENTORY CONTROL PANEL
T
5
T
4
T
3
NEW DAY TANK
NEW DAY TANK
NEW DAY TANK
T
2
FUEL LEVEL GAUGE
DP
2
DP
1
10,000-GAL. UNDERGROUND FUEL OIL STORAGE TANK
FILL TUBE
PUMP AND MOTOR ASSEMBLY
DOUBLE CONTAINMENT PIPE
DP
3
(LOCATED IN RM. B253)

NOTES

1. LOCATE ALL RELAYS INSIDE NEMA 3R CABINET.
2. LOCATE EMERGENCY SHUT-DOWN SWITCH ON THE DOOR OF RELAY CABINET.
3. PROVIDE ALL ELECTRICAL WIRING FOR LEAK DETECTION SENSORS UNDER DIVISION 15.

REMOTE LEAK DETECTION AND MONITORING WIRING DIAGRAM
NOT TO SCALE

CAD INFORMATION:

SHEET NOTES

① UNDERGROUND TANK, DOUBLE-WALL TYPE, SIZE AS INDICATED ON DRAWINGS.

② PRODUCT PIPING: FOR DIAMETER OF PRODUCT LINE WITH OUTER CONTAINMENT PIPE SEE PIPING PLAN BP-4. "A.O.SMITH-INLAND" RED THREAD II, FIBERGLASS REINFORCED PLASTIC. UL LISTED FOR DIESEL SERVICE. (3 REQUIRED)

③ IDENTIFICATION TAG

④ TANK VENT PIPING: 2" DIAMETER "A.O. SMITH - INLAND" RED THREAD II, FIBERGLASS REINFORCED PLASTIC. UL LISTED FOR DIESEL SERVICE.

⑤ DIESEL PUMP: SUBMERSIBLE, TURBINE TYPE. UL LISTED. 1/3 HP, 208-230V/1PH/60HZ.,40 GPM @ 10 FT. W.G. HEAD.

⑥ DIESEL PUMP: SUBMERSIBLE, TURBINE TYPE. UL LISTED. 1/3 HP, 208-230V/1PH/60HZ.,38 GPM @ 20 FT. W.G. HEAD.

⑦ DIESEL PUMP: HORIZONTAL ROTARY GEAR TYPE. UL LISTED. 3 HP, 208-230V/1PH/60HZ.,30 GPM @ 200 FT. W.G. HEAD.(LOCATED IN NEW EMERGENCY GENERATOR ROOM B253)

⑧ PLUG UNUSED 4" DIAMETER TANK FITTING.

⑨ PRODUCT MONITORING SYSTEM PROBE ASSEMBLY.

⑩ LIQUID SENSING LEAK DETECTION SENSOR.

⑪ TANK BOTTOM PROTECTOR PAD, 1/2" THICK STEEL PLATE UNDER EACH TANK OPENING.

⑫ RIGID ELECTRICAL CONDUIT.

⑬ TIGHT FILL CAP: 4" DIAMETER, SELF-ALIGNING TOGGLE ACTION WITH STAINLESS STEEL TOGGLE PINS, BUNA-N SEAL, FOR USE WITH PADLOCK. "OPW" NO. 634-TT-4"

⑭ 4" DIAMETER FILL ADAPTOR FOR TRUCK FILL HOSE CONNECTION. RECESSED THREADS AND SET SCREW LOCK. "OPW" NO. 633-T.

⑮ ALL PIPING CONNECTIONS TO TANK SHALL BE DONE WITH APPROVED FLEXIBLE HOSE.

⑯ 4" DIAMETER FILL DROP TUBE, ALUMINUM WITH VITON SEAL. "OPW" NO. 61-SO.

⑰ WIRE ROPE

⑱ 12" DIAMETER CAST IRON MANHOLE, WATER-TIGHT, TRAFFIC WEIGHT COVER. "CNI" MODEL 209-12 MW. PROVIDE WRENCH FOR OPENING THE MANHOLE COVER.

⑲ 36" DIAMETER ROUND FIL-SPILL CONTAINMENT BOX WITH 10 GALLON SPILL CONTAINMENT, POPPET VALVE, SCREWS, GASKET, REINFORCED COVER AND PULL HANDLE. "CNI" MODEL 239.

⑳ JUNCTION BOX.

㉑ 36" DIAMETER ROUND MANHOLE WITH SCREWS, GASKET, REINFORCED COVER AND PULL HANDLE. "CNI" MODEL 236RSG.

㉒ FIBERGLASS RISER.

㉓ 30" DIAMETER MANWAY BOLTED TO TANK WITH FITTINGS LOCATED ON TOP.

㉔ 3" X 1/2" FLAT IRON STRAP, HOT-DIP GALVANIZED. COVER ENTIRE STRAP WITH TWO COATS OF COAL TAR MASTIC. "KOPPERS" BITUMASTIC NO. 505 OR EQUAL. APPLY COATING IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

㉕ CONCRETE ANCHOR PAD, 15" MINIMUM THICKNESS, 24" LARGER THAN TANK ON ALL SIDES, 3,000 PSI STRENGTH AT 28 DAYS, #6 REBAR AT 12" O.C. EACH WAY.

㉖ TRIPLE CABLE CLAMPS.

㉗ GRAVEL OR CRUSHED STONE BACKFILL PER MANUFACTURER'S SPECIFICATIONS.

㉘ ANCHOR.

㉙ CONCRETE TOP SLAB, 6" MINIMUM THICKNESS, 3,000 PSI STRENGTH AT 28 DAYS, #6 REBAR AT 12" O.C. EACH WAY.

DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED
By DL
Date 8-20-93
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Job No.: 91088-24
Drawn: A. CRISAN
Checked:
Approval:
Approval:
Date: 07-07-93
Scale: NONE

Date: | Revision:

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SUBMITTED BY:
DATE:
APPROVED BY:
ENGINEERING DIRECTOR R.C.E. NO. 17167

FUEL TANK DETAILS AND CONTROL DIAGRAM

CIVIC CENTER COMPLEX RENOVATION
EMERGENCY GENERATOR ADDITION

CITY OF INGLEWOOD
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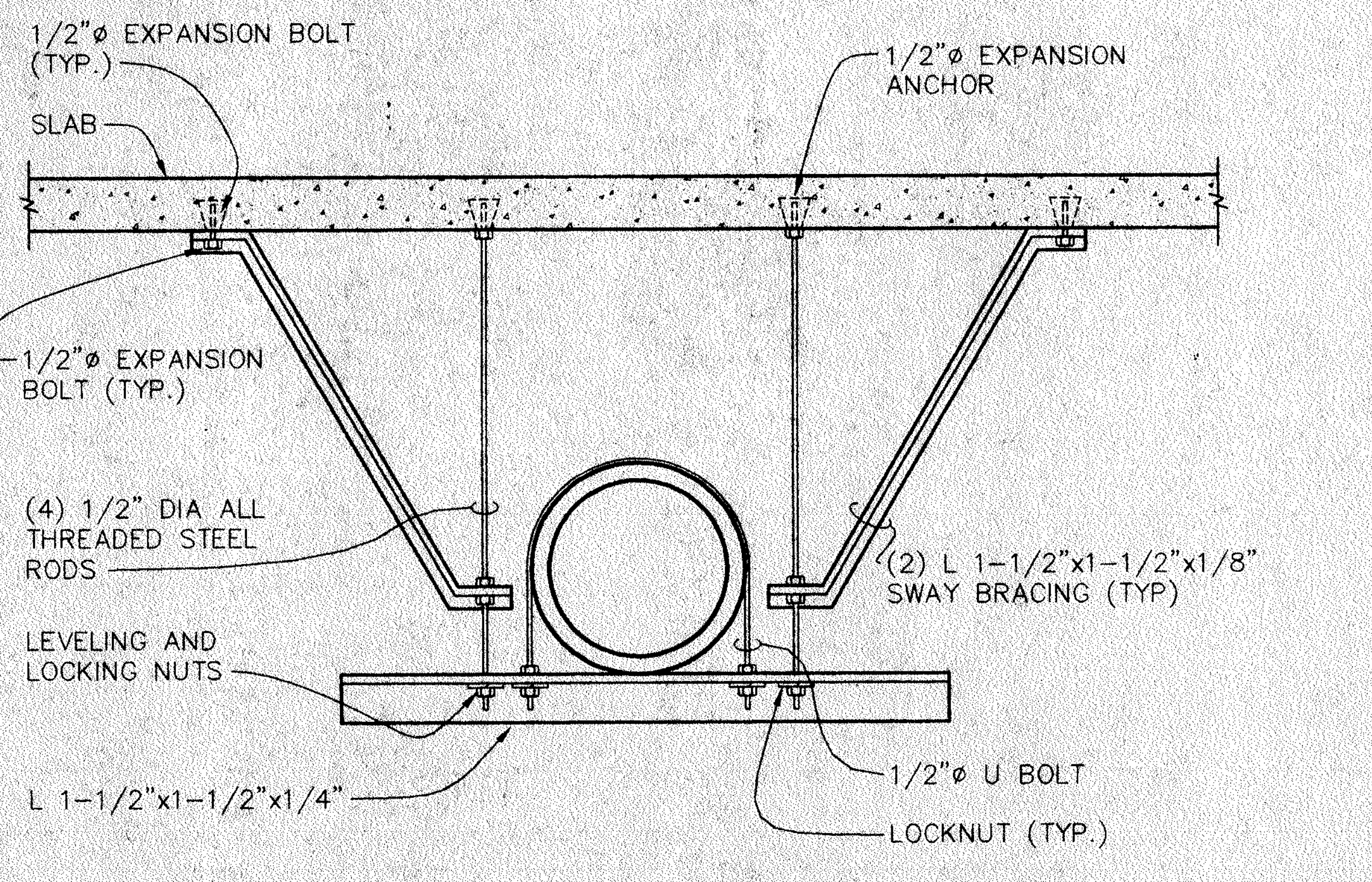
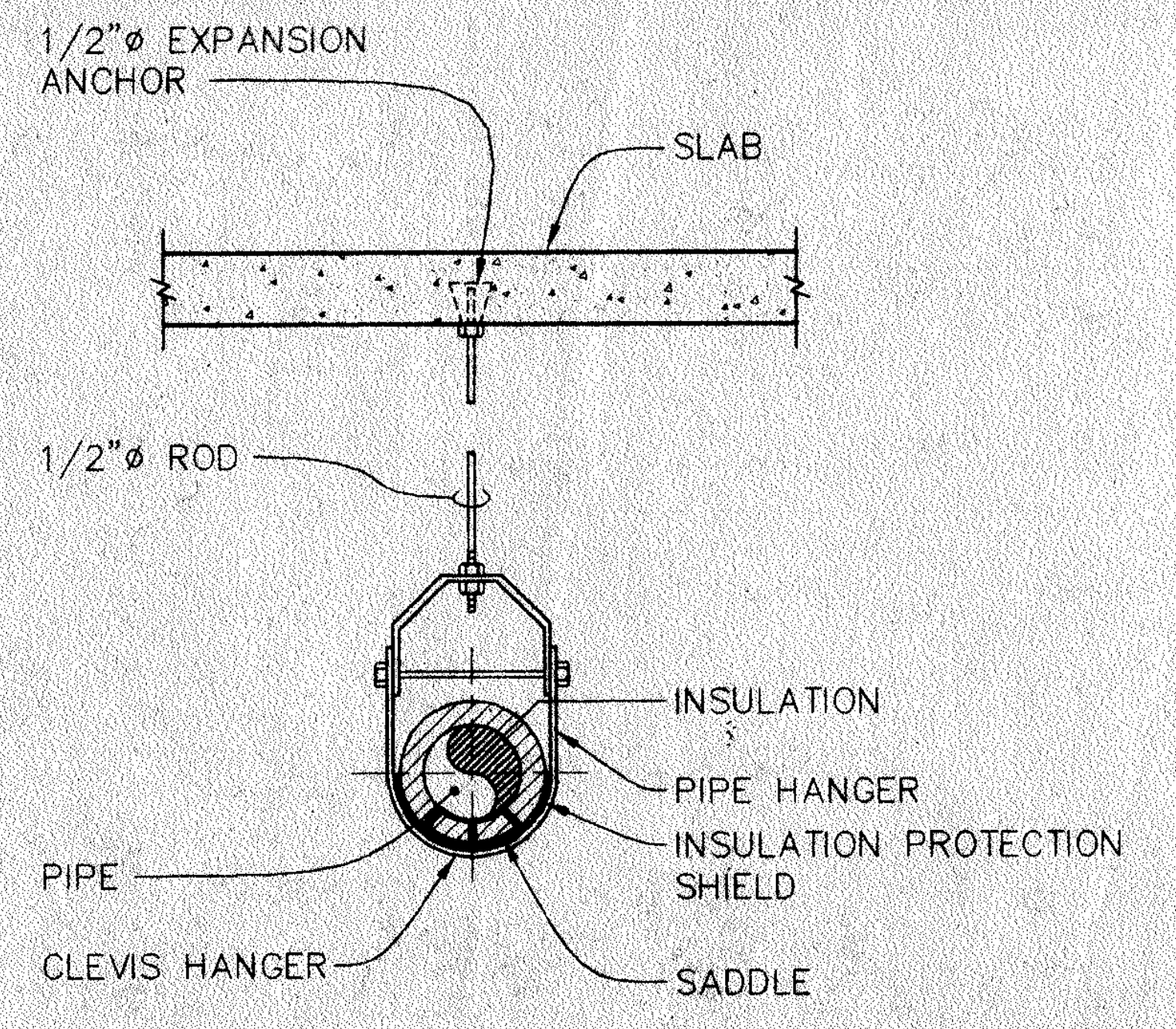


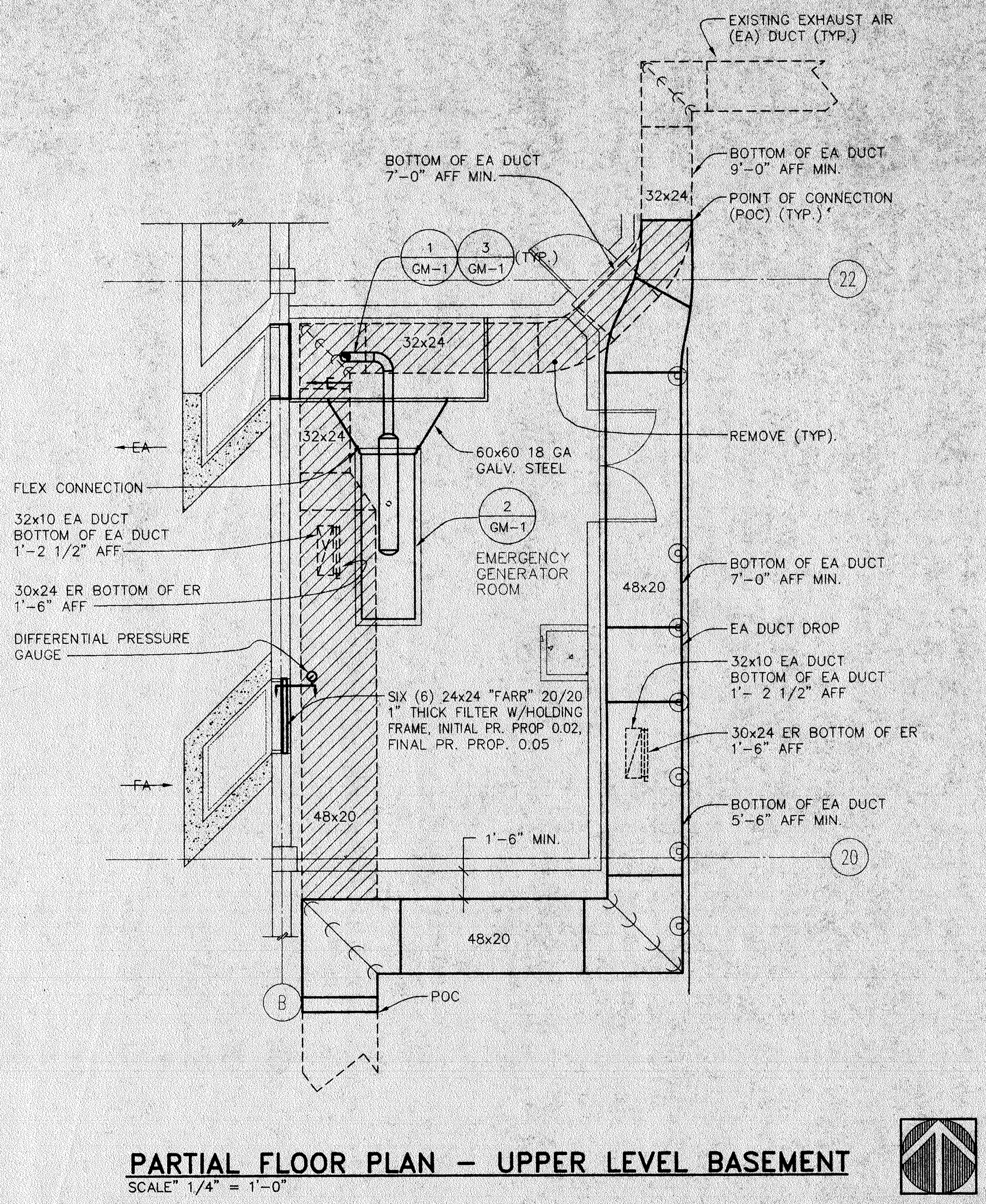
1/2"ø EXPANSION BOLT (TYP.)
SLAB
1/2"ø EXPANSION ANCHOR
1/2"ø EXPANSION BOLT (TYP.)
(4) 1/2" DIA ALL THREADED STEEL RODS
(2) L 1-1/2"x1-1/2"x1/8" SWAY BRACING (TYP)
LEVELING AND LOCKING NUTS
L 1-1/2"x1-1/2"x1/4"
1/2"ø U BOLT
LOCKNUT (TYP.)

SILENCER SUPPORT (2 / GM-1)
NOT TO SCALE



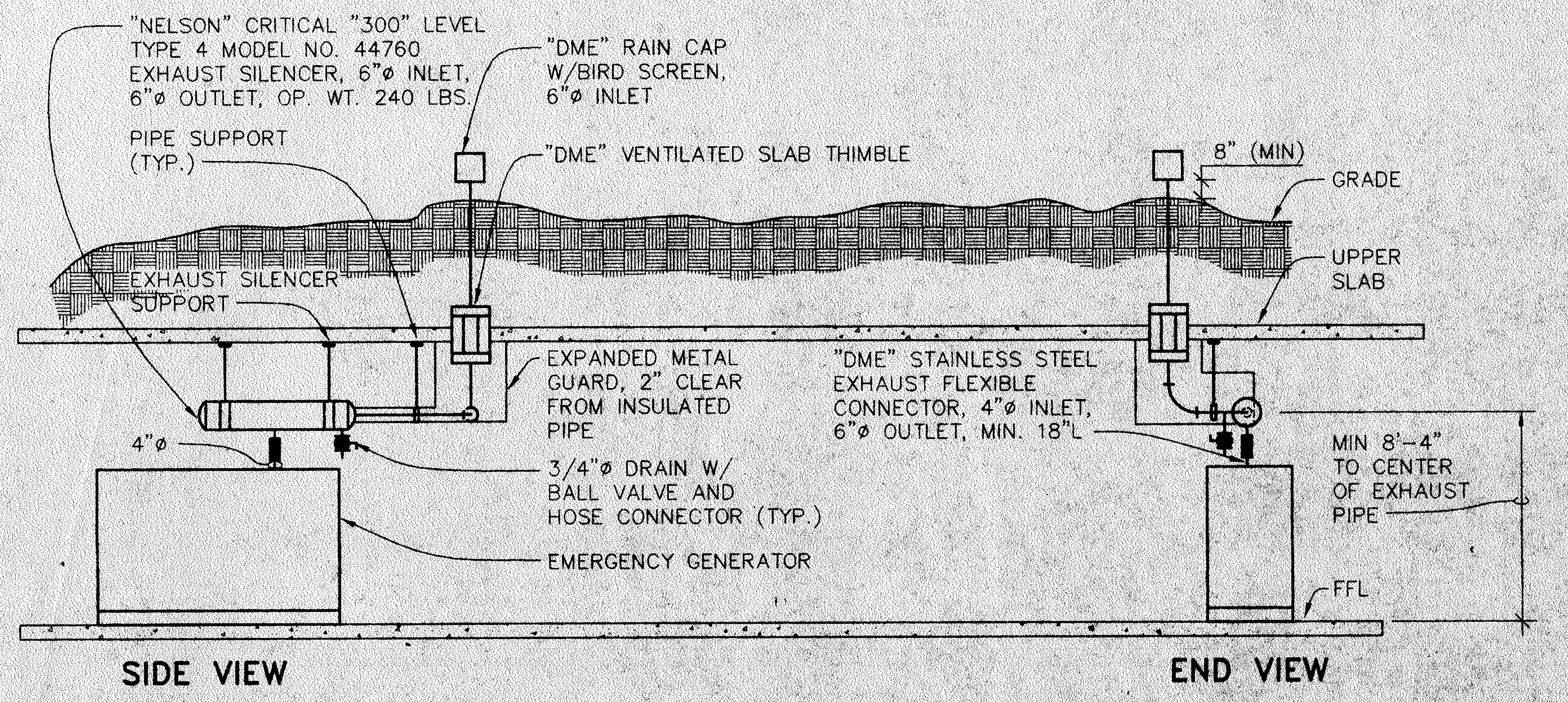
1/2"ø EXPANSION ANCHOR
SLAB
1/2"ø ROD
INSULATION
PIPE HANGER
INSULATION PROTECTION SHIELD
PIPE
CLEVIS HANGER
SADDLE

PIPE SUPPORT (3 / GM-1)
NOT TO SCALE



EXISTING EXHAUST AIR (EA) DUCT (TYP.)
BOTTOM OF EA DUCT 7'-0" AFF MIN.
BOTTOM OF EA DUCT 9'-0" AFF MIN.
32x24
POINT OF CONNECTION (POC) (TYP.)
1 GM-1
3 GM-1
(TYP.)
22
32x24
REMOVE (TYP).
EA
32x24
60x60 18 GA GALV. STEEL
FLEX CONNECTION
2 GM-1
32x10 EA DUCT BOTTOM OF EA DUCT 1'-2 1/2" AFF
EMERGENCY GENERATOR ROOM
30x24 ER BOTTOM OF ER 1'-6" AFF
48x20
BOTTOM OF EA DUCT 7'-0" AFF MIN.
EA DUCT DROP
DIFFERENTIAL PRESSURE GAUGE
32x10 EA DUCT BOTTOM OF EA DUCT 1'- 2 1/2" AFF
SIX (6) 24x24 "FARR" 20/20 1" THICK FILTER W/HOLDING FRAME, INITIAL PR. PROP 0.02, FINAL PR. PROP. 0.05
30x24 ER BOTTOM OF ER 1'-6" AFF
FA
48x20
BOTTOM OF EA DUCT 5'-6" AFF MIN.
1'-6" MIN.
20
48x20
B
POC

PARTIAL FLOOR PLAN – UPPER LEVEL BASEMENT
SCALE" 1/4" = 1'-0"



"NELSON" CRITICAL "300" LEVEL TYPE 4 MODEL NO. 44760 EXHAUST SILENCER, 6"ø INLET, 6"ø OUTLET, OP. WT. 240 LBS.
"DME" RAIN CAP W/BIRD SCREEN, 6"ø INLET
PIPE SUPPORT (TYP.)
"DME" VENTILATED SLAB THIMBLE
8" (MIN)
GRADE
UPPER SLAB
EXHAUST SILENCER SUPPORT
EXPANDED METAL GUARD, 2" CLEAR FROM INSULATED PIPE
"DME" STAINLESS STEEL EXHAUST FLEXIBLE CONNECTOR, 4"ø INLET, 6"ø OUTLET, MIN. 18"L
4"ø
3/4"ø DRAIN W/ BALL VALVE AND HOSE CONNECTOR (TYP.)
EMERGENCY GENERATOR
MIN 8'-4" TO CENTER OF EXHAUST PIPE
FFL
SIDE VIEW
END VIEW

ENGINE EXHAUST PIPING (1 / GM-1)
NOT TO SCALE

DEPARTMENT OF BUILDING & SAFETY
CITY OF INGLEWOOD
APPROVED
By DR
Date 8-20-93
This set of plans & specifications MUST be kept on the job at all times and it is unlawful to make any changes or alterations on same without written permission from the Div. of Building & Safety, City of Inglewood. The stamping of this plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any City Ordinance, State of Federal Law.

91804
d'AUTREMONT–HELMS
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FILE: 91804–4\GM–1\7–30–93

AD INFORMATION:

Job No.:	91088-24
Drawn:	A.W./B.C.
Checked:	
Approval:	
Approval:	
Date:	8-5-93
Scale:	AS NOTED

Date: Revision:

ARCHITECTS-
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OSCAR E. LEIDENFROST, A.I.A. C4557
HERBERT H. HOROWITZ, A.I.A. C4478

DATE:

SUBMITTED BY:

APPROVED BY:

ENGINEERING DIRECTOR R.C.E. NO. 17167

CITY OF INGLEWOOD
ONE MANCHESTER BOULEVARD
INGLEWOOD, CALIFORNIA 90301

CIVIC CENTER COMPLEX RENOVATION
EMERGENCY GENERATOR ADDITION

EMERGENCY GENERATOR

GM-1

CS-4505