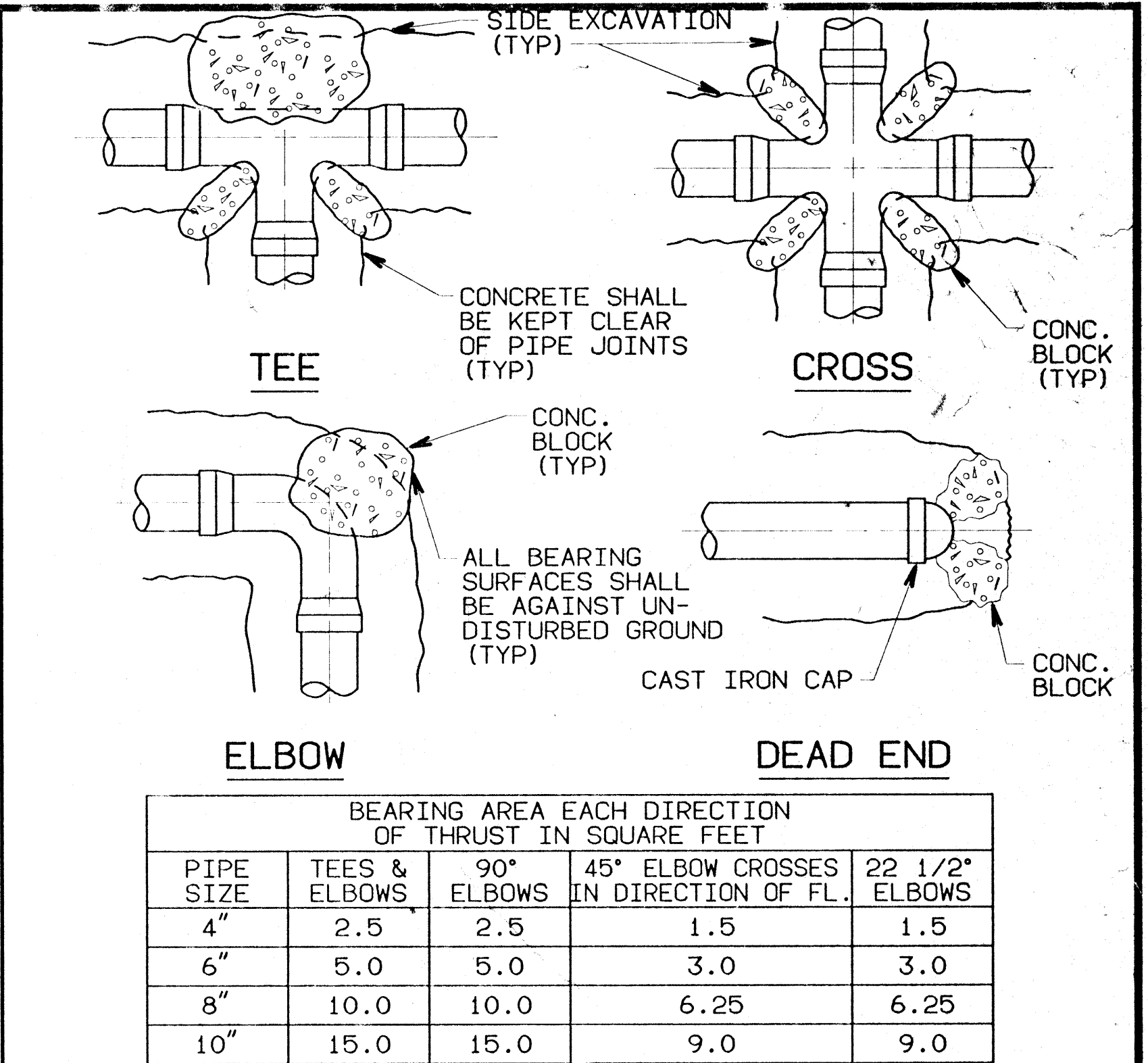
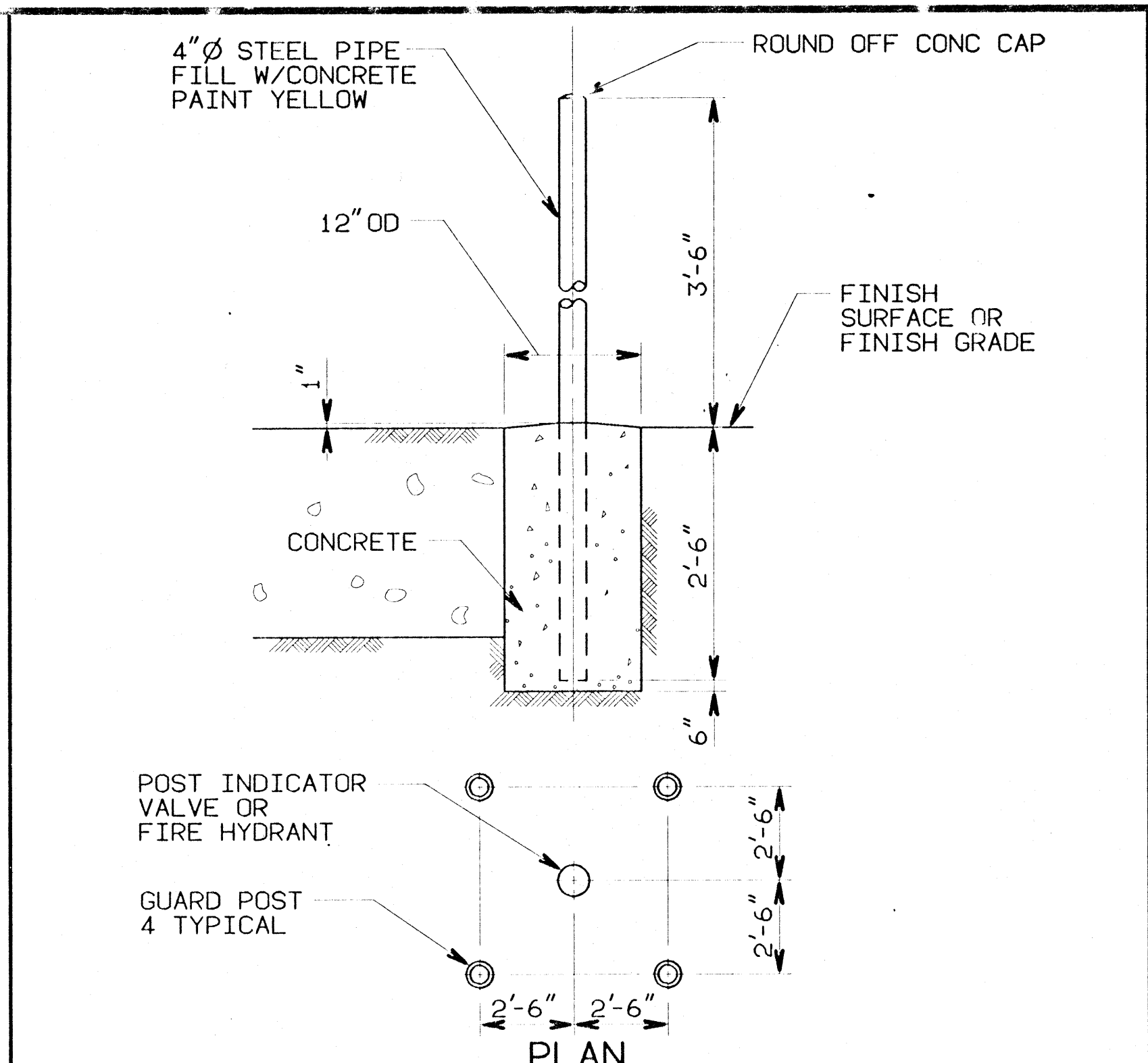
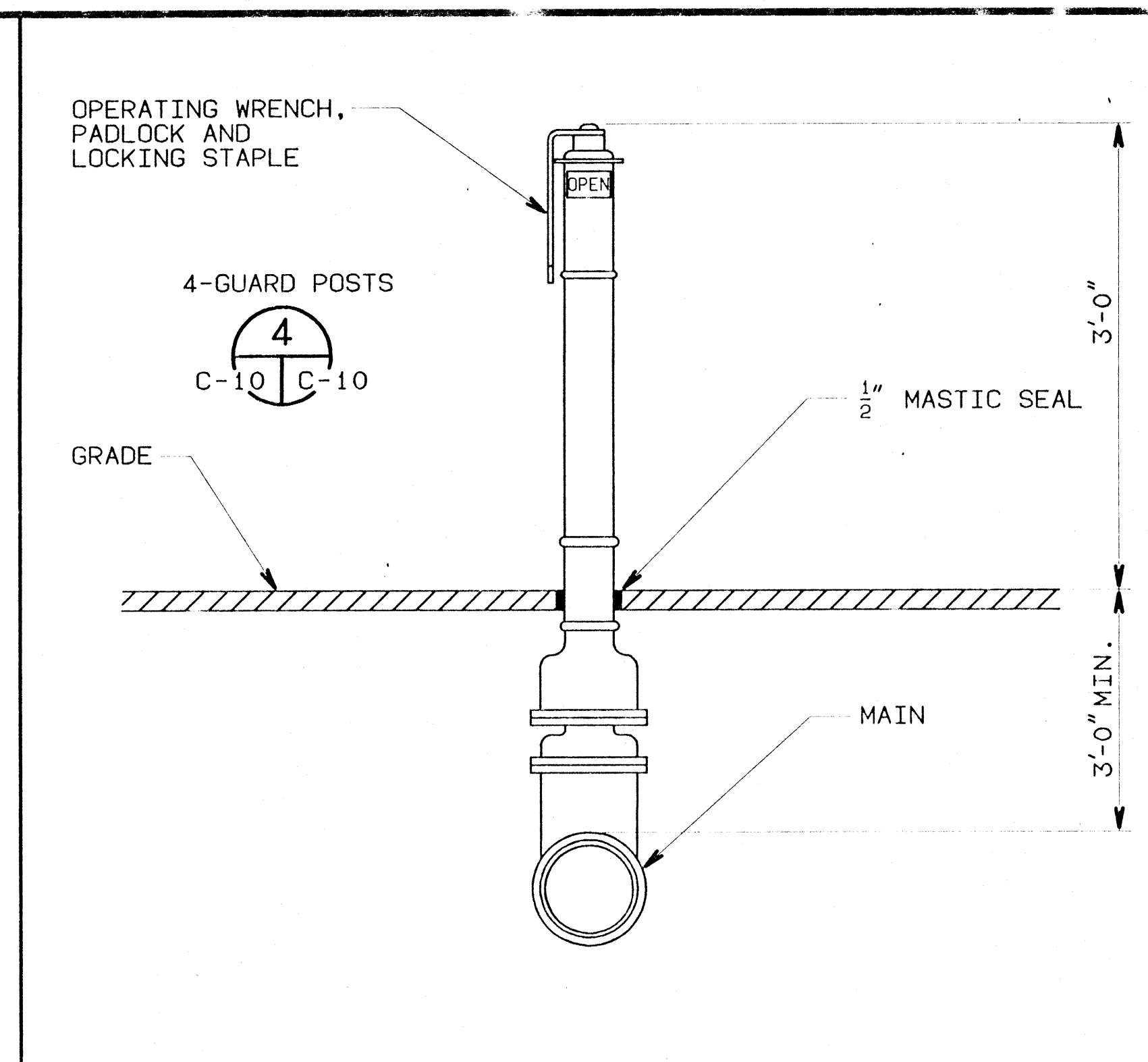
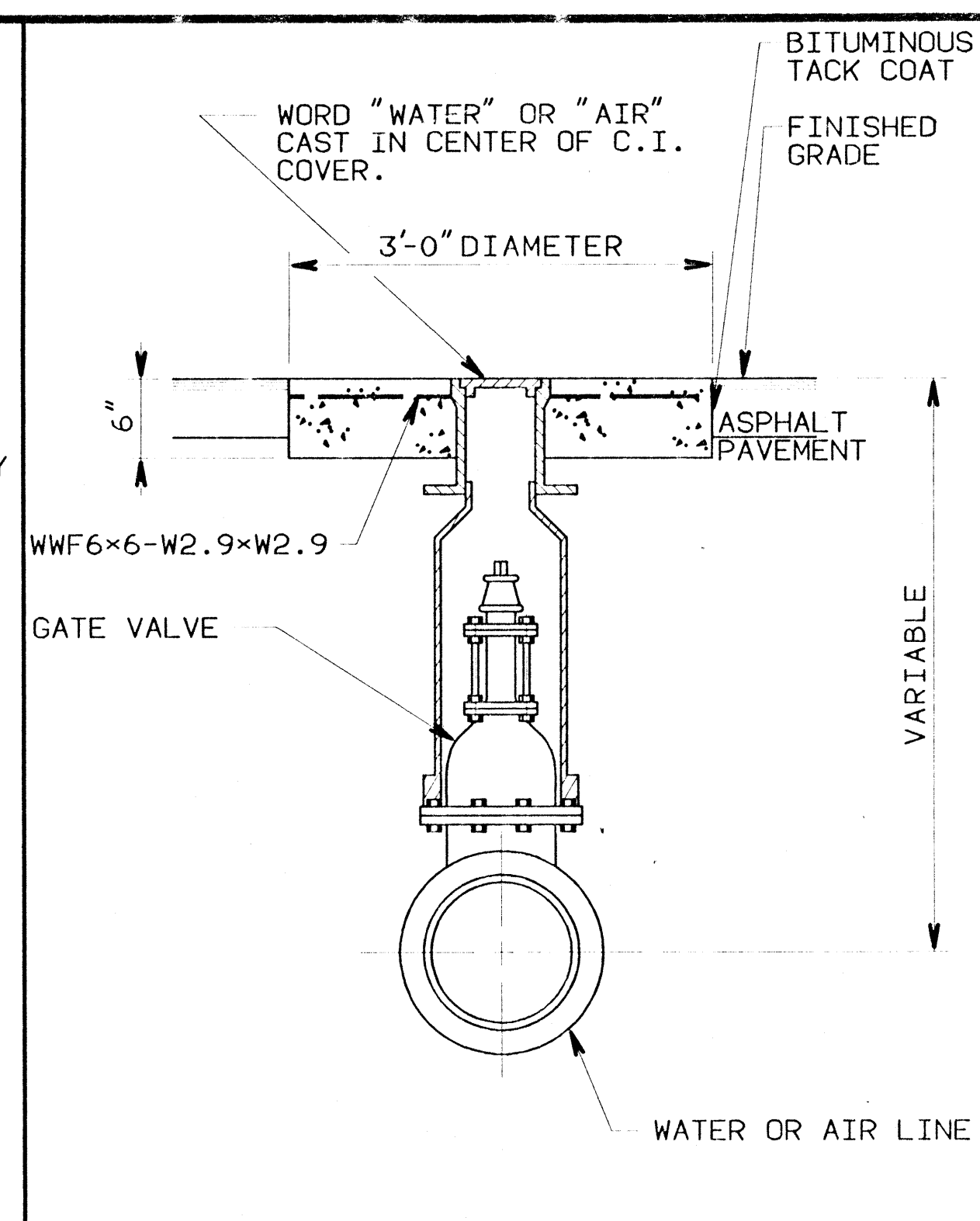
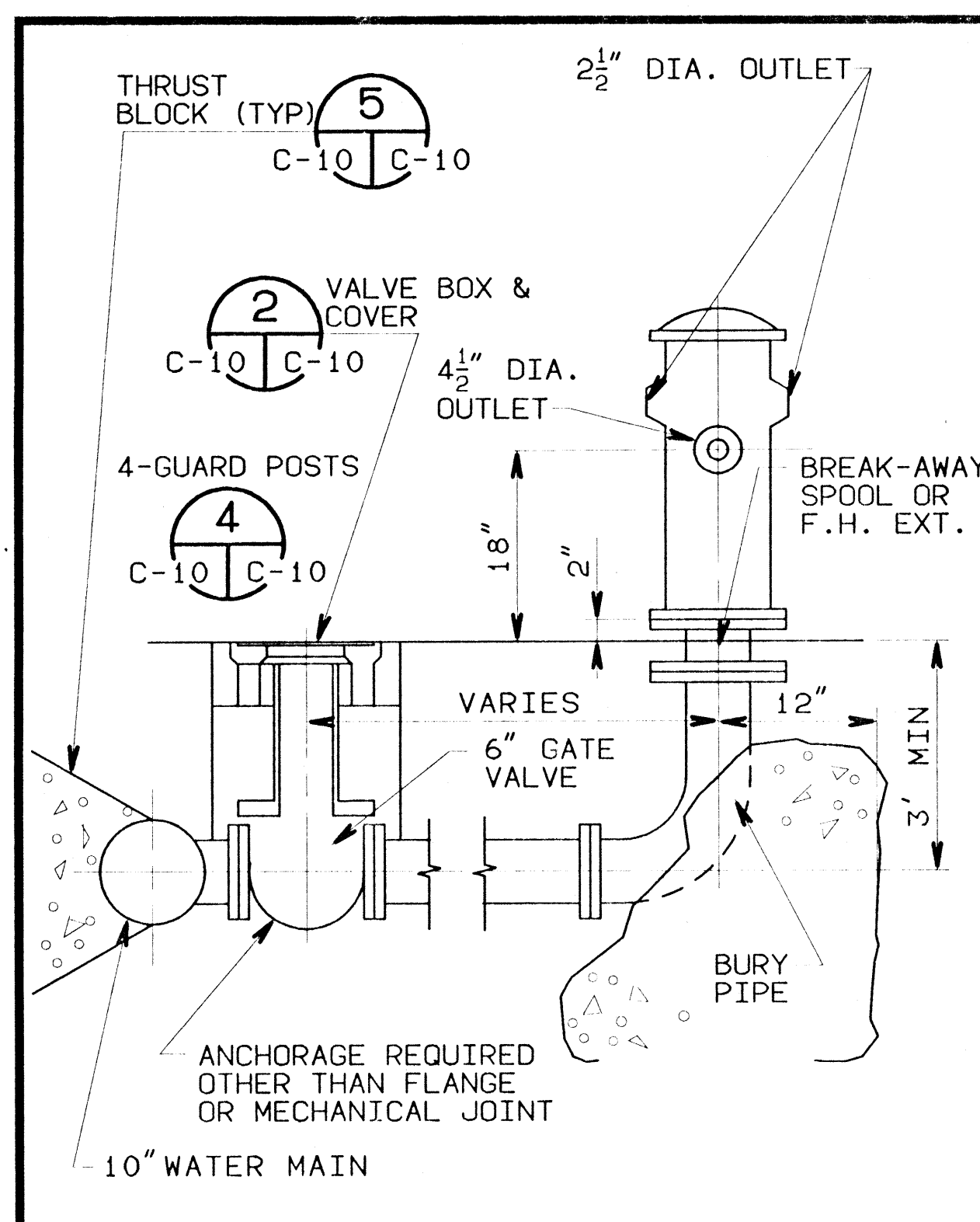


# FUNCTIONAL ANALYSIS - VE PAYS



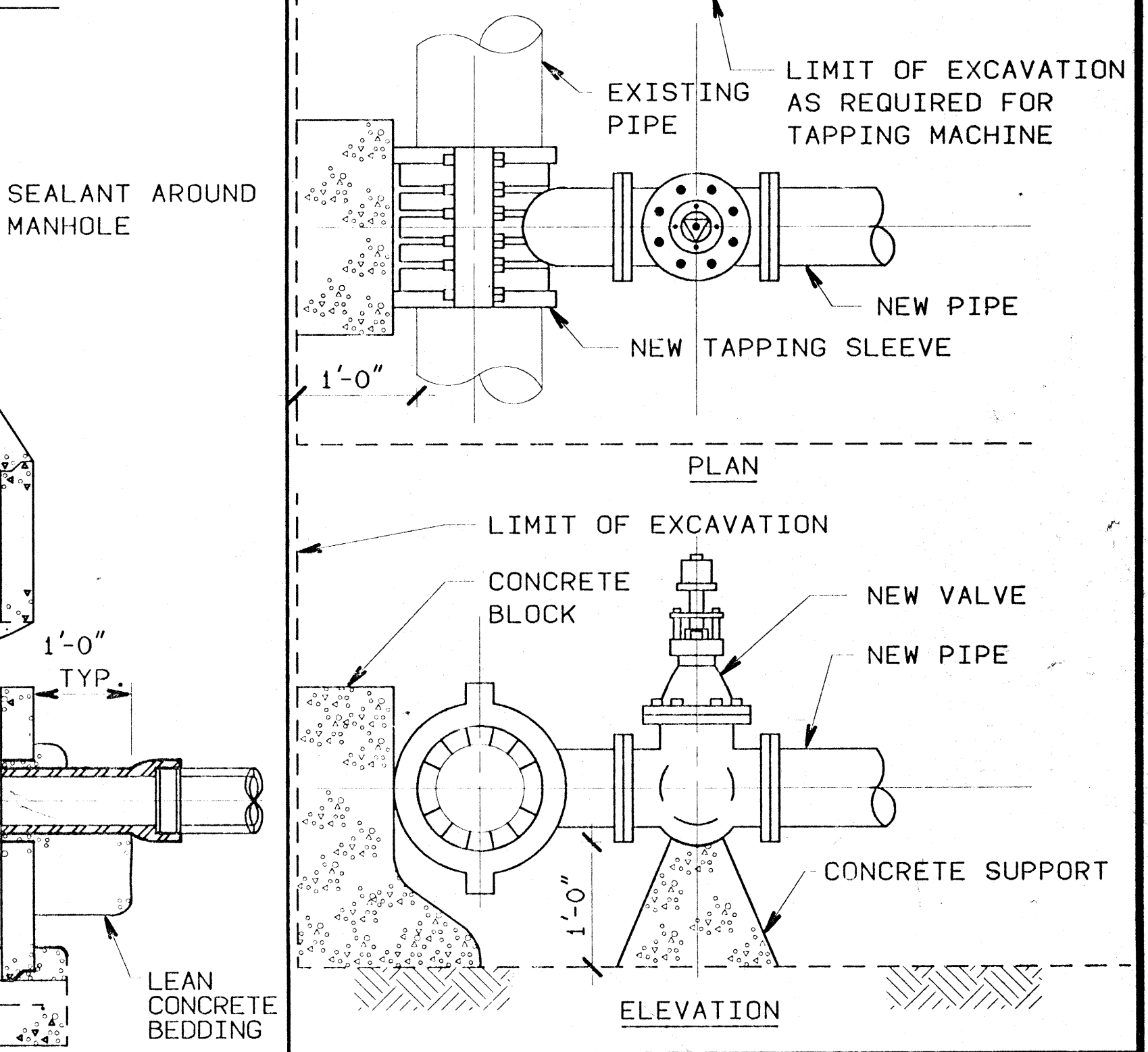
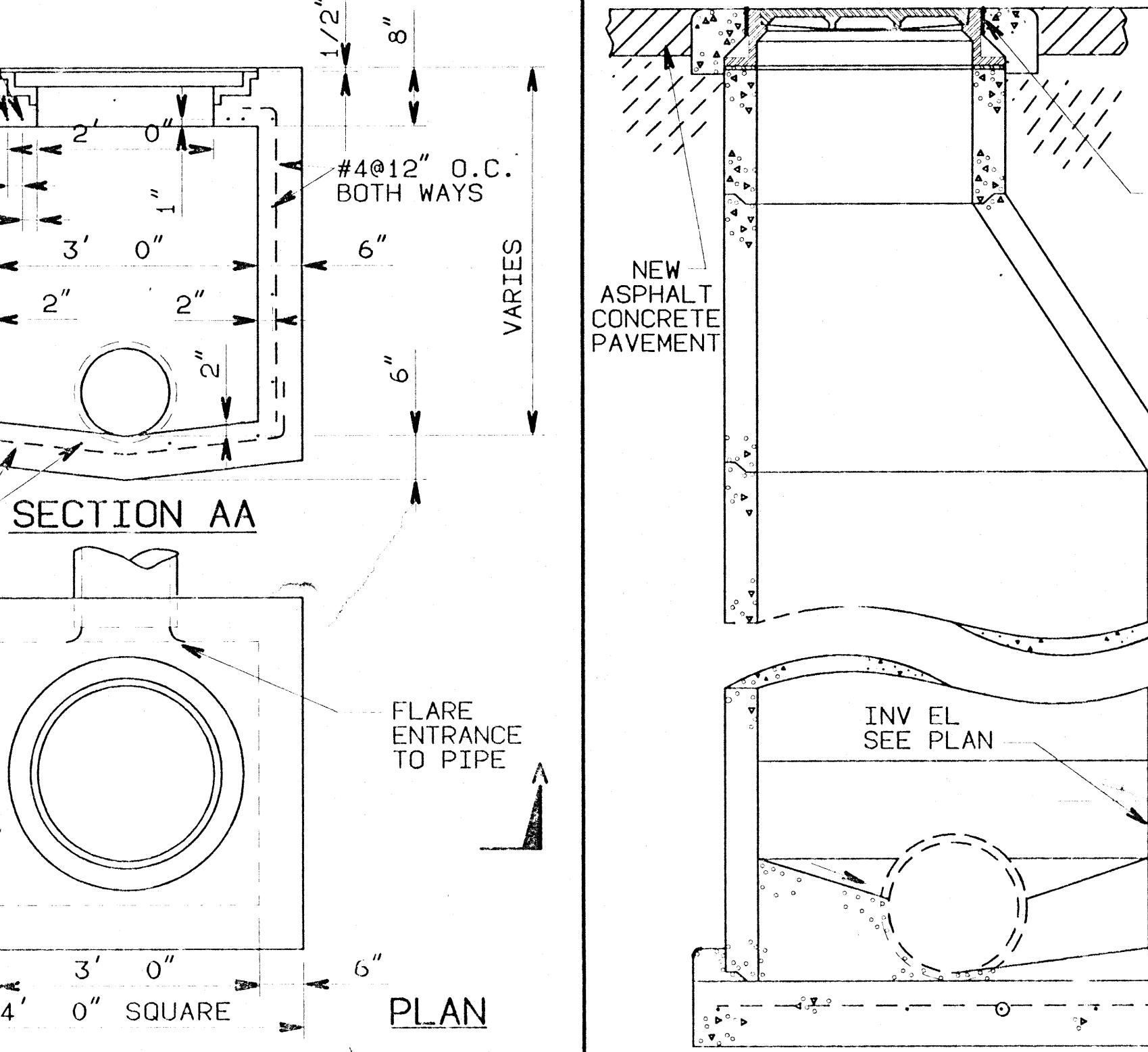
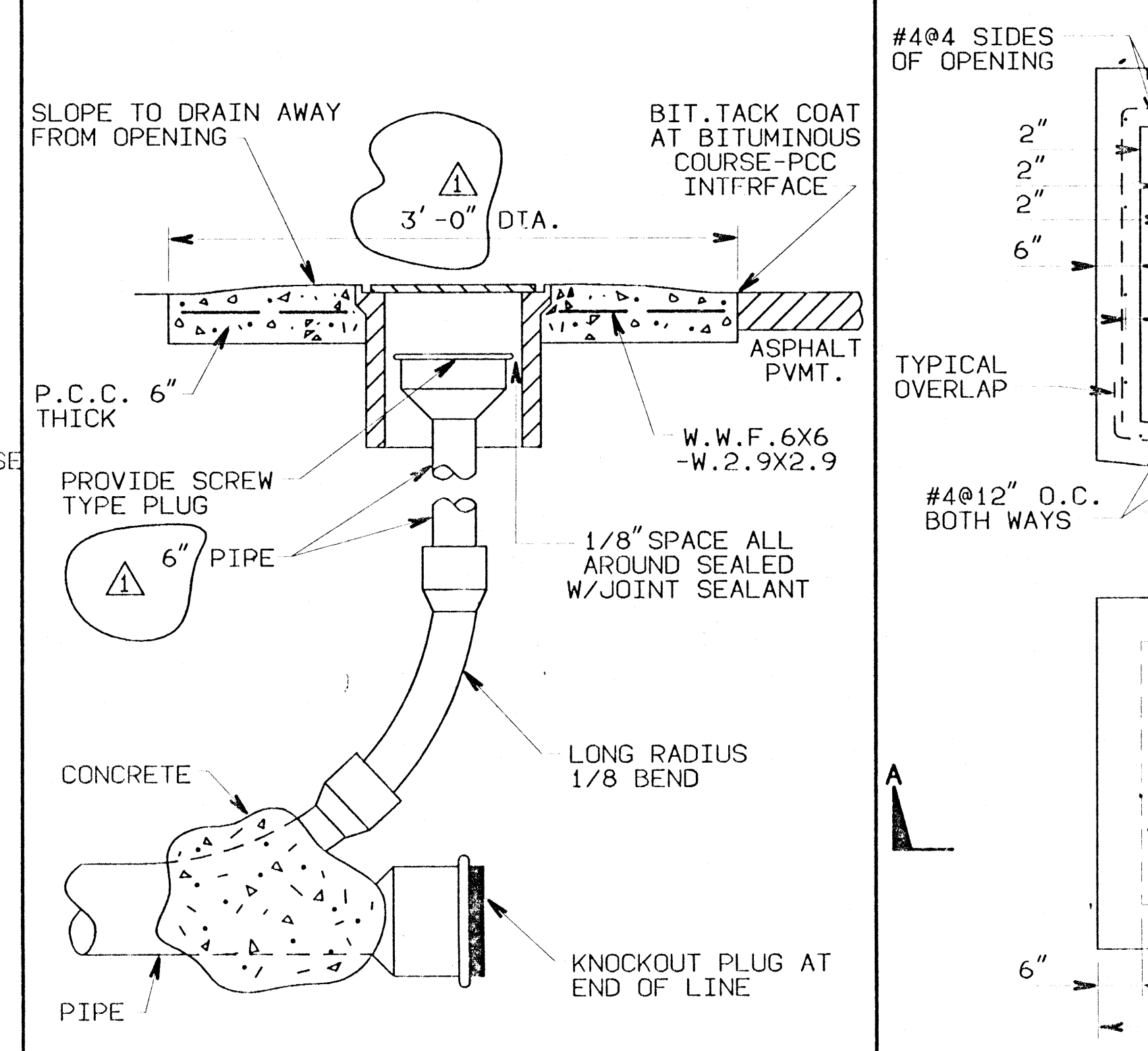
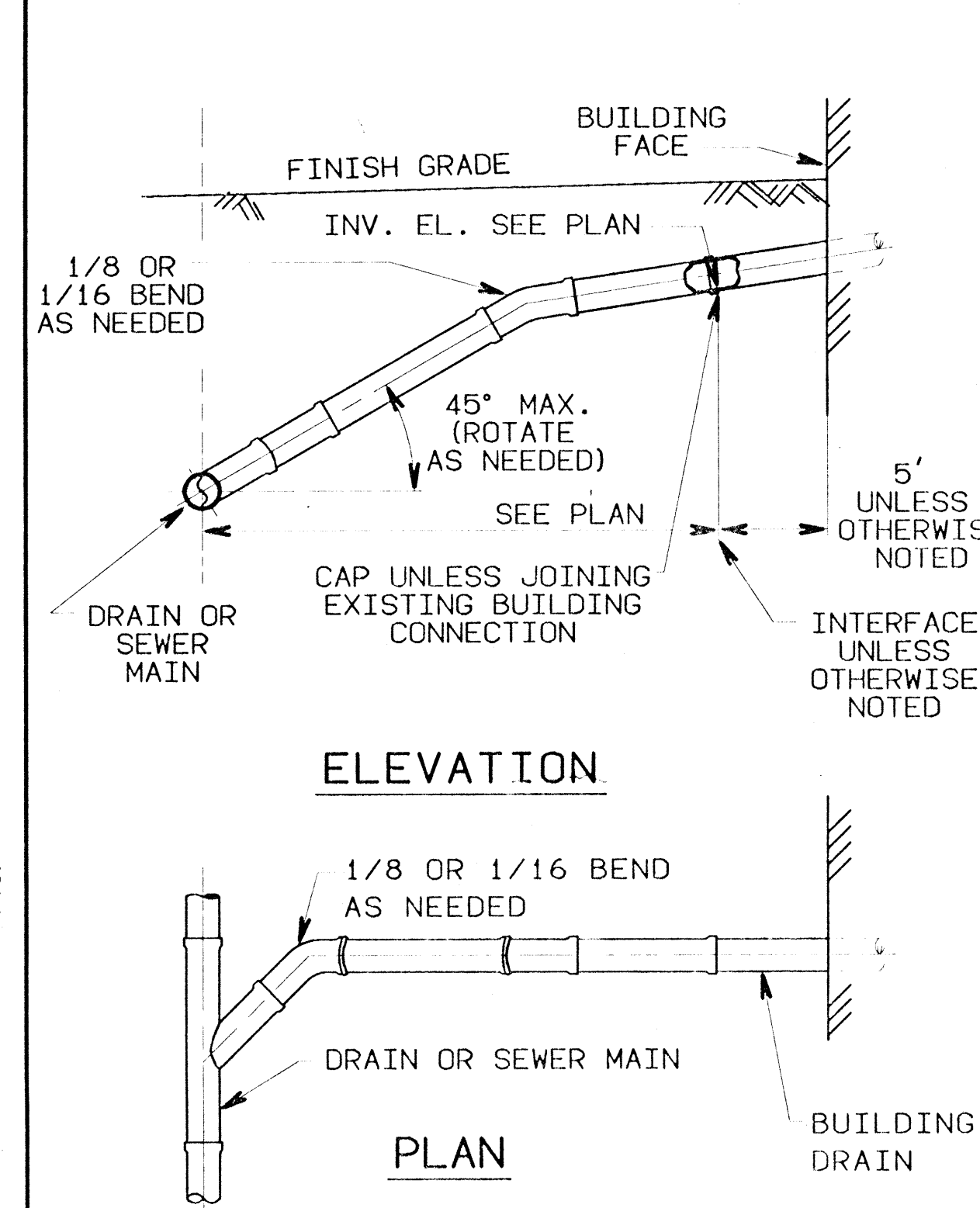
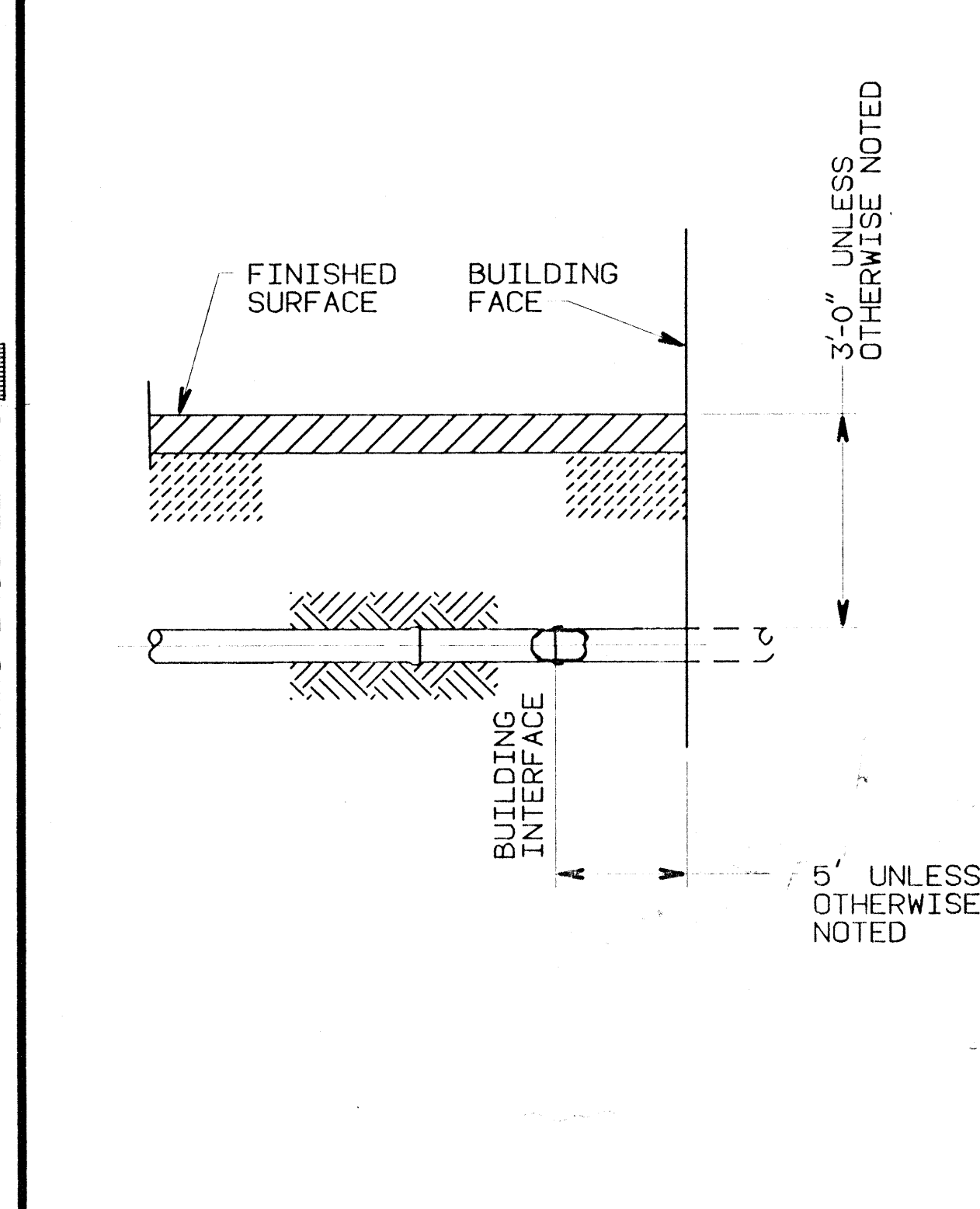
**FIRE HYDRANT**  
SCALE: NTS  
C-7 C-10

**VALVE BOX**  
SCALE: NTS  
C-7, C-10 C-10

**GATE VALVE WITH INDICATOR POST**  
SCALE: NTS  
C-7 C-10

**GUARD POST**  
SCALE: NTS  
C-10 C-10

**THRUST BLOCK INSTALLATION**  
SCALE: NTS  
C-7, C-10 C-10



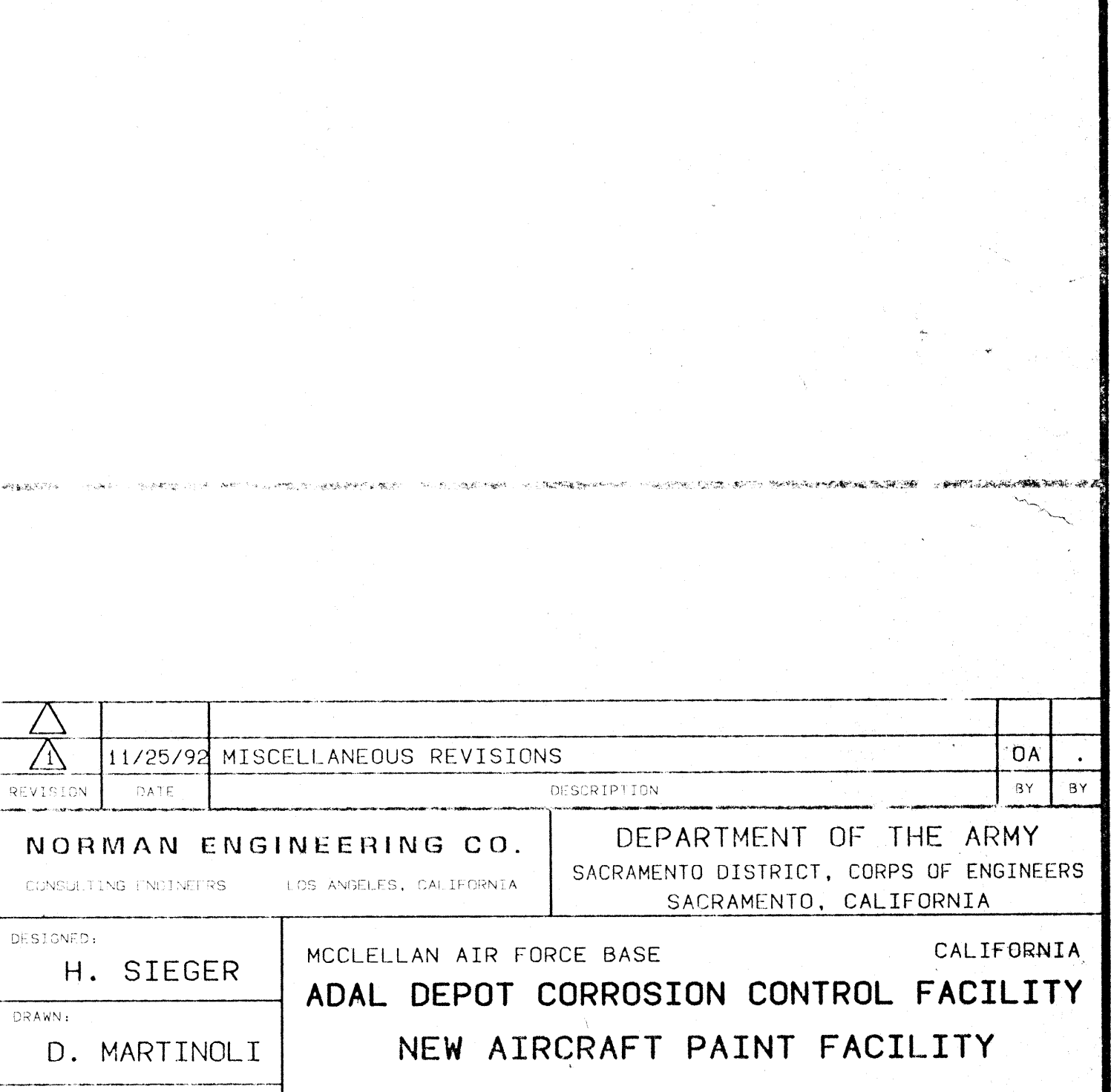
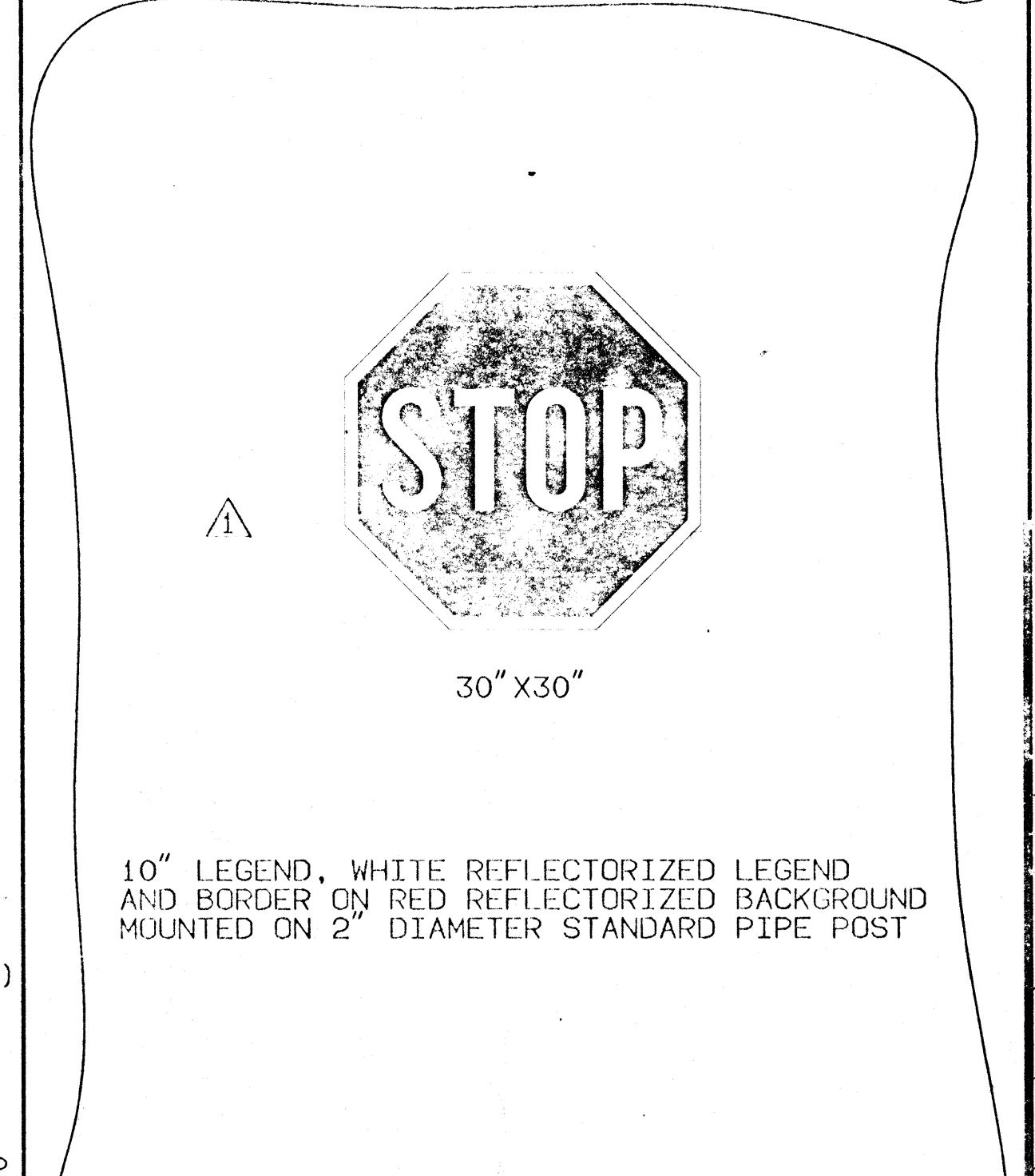
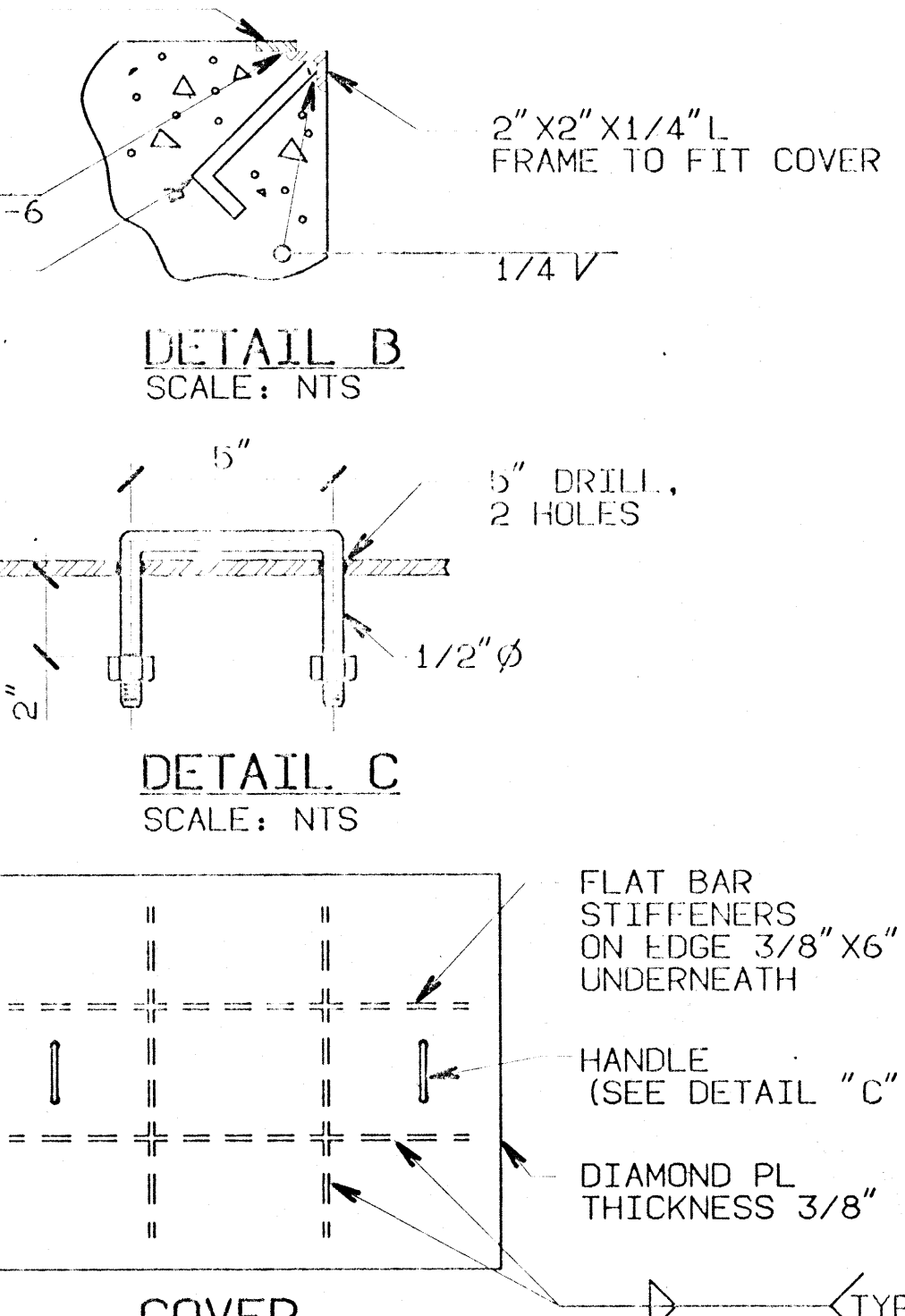
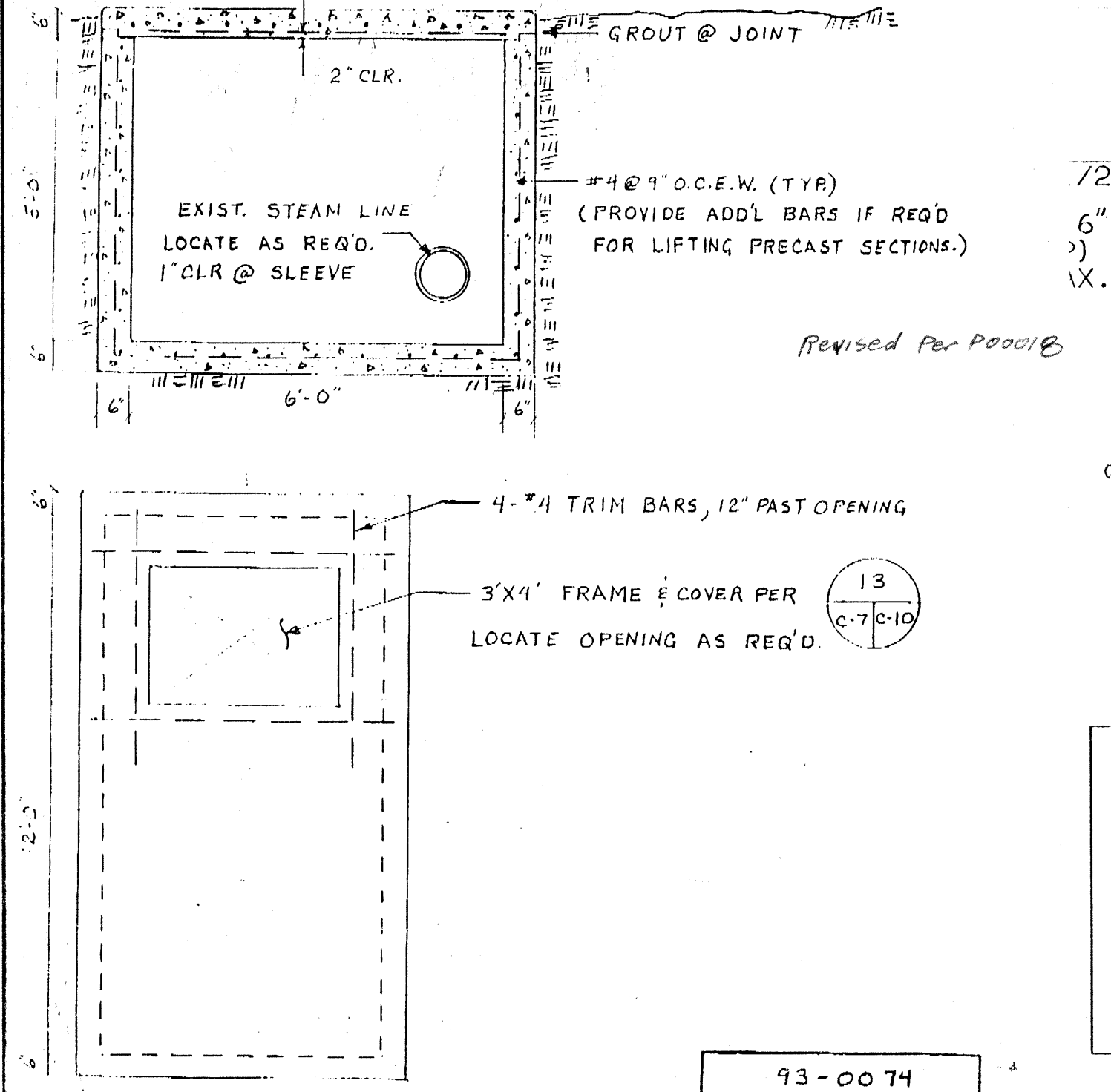
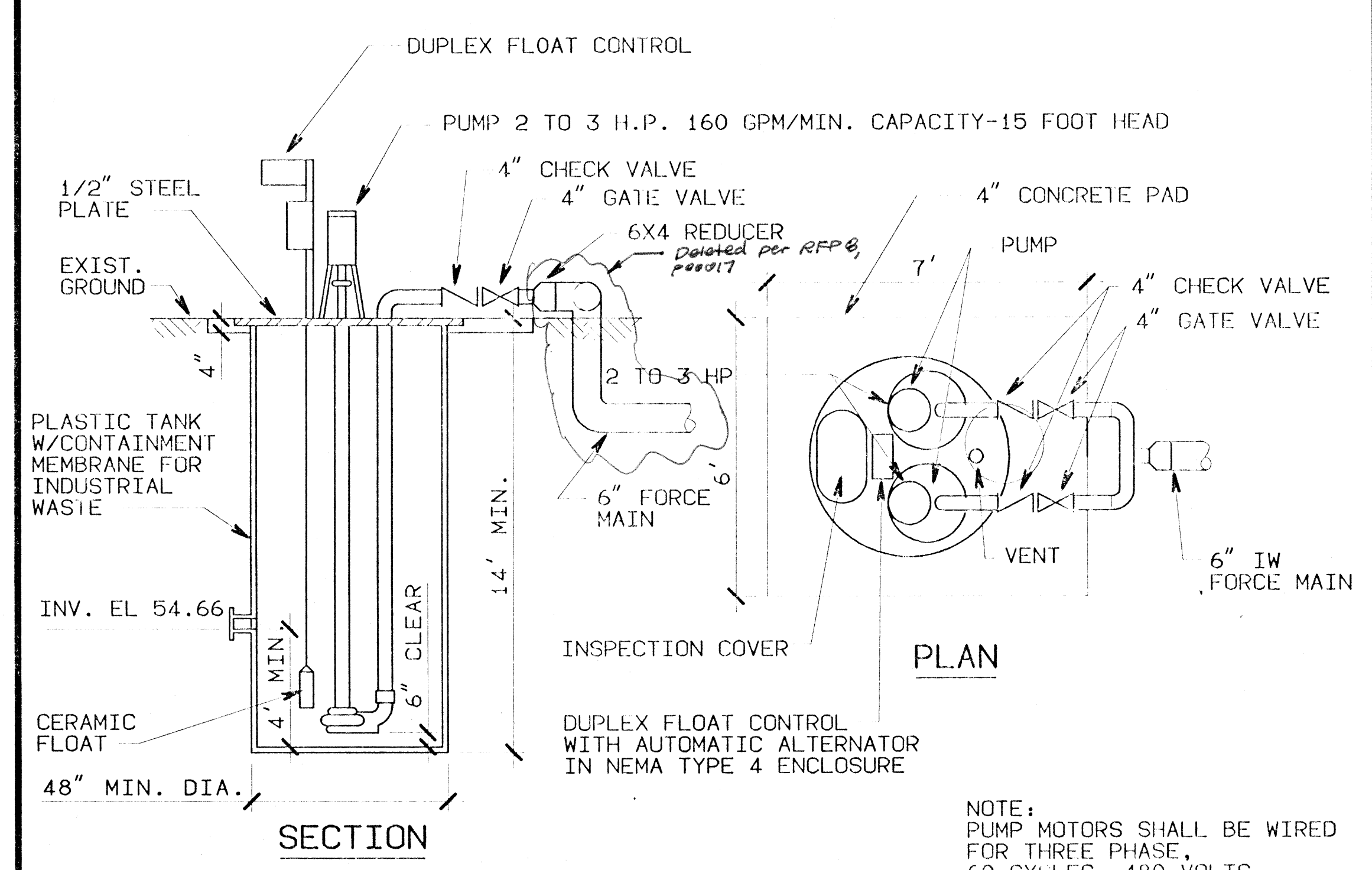
**BUILDING CONNECTION PRESSURE LINE**  
SCALE: NTS  
C-7 C-10

**BUILDING CONNECTION GRAVITY LINE**  
SCALE: NTS  
C-7 C-10

**WASTE & STORM DRAIN CLEANOUT**  
SCALE: NTS  
C-7 C-10

**DRAIN INLET**  
SCALE: NTS  
C-7 C-10

**NEW MANHOLE**  
SCALE: NTS  
C-7 C-10



**IW LIFT STATION**  
SCALE: NTS  
C-7 C-10

**VALVE BOX**  
SCALE: NTS  
C-7 C-10

**COVER**  
SCALE: NTS  
C-7 C-10

**STOP SIGN**  
SCALE: NTS  
C-6 C-10

**UTILITY DETAILS**  
SCALE: NTS  
C-10

ENVIRONMENTAL  
ENHANCEMENT  
THRU ENGINEERING

Reference your RFI #59 dated January 7, 1994, regarding industrial waste lift station pumps.

The area above the lift station is considered nonhazardous and, therefore, the motor and controller (alternator) do not need to be explosion-proof. However all equipment/devices located in the interior of the lift station (float switch and bearing of the motor/pump shaft) shall be rated/suitable for Class 1 Division 1, Group D classification per contract drawing sheet E-2.

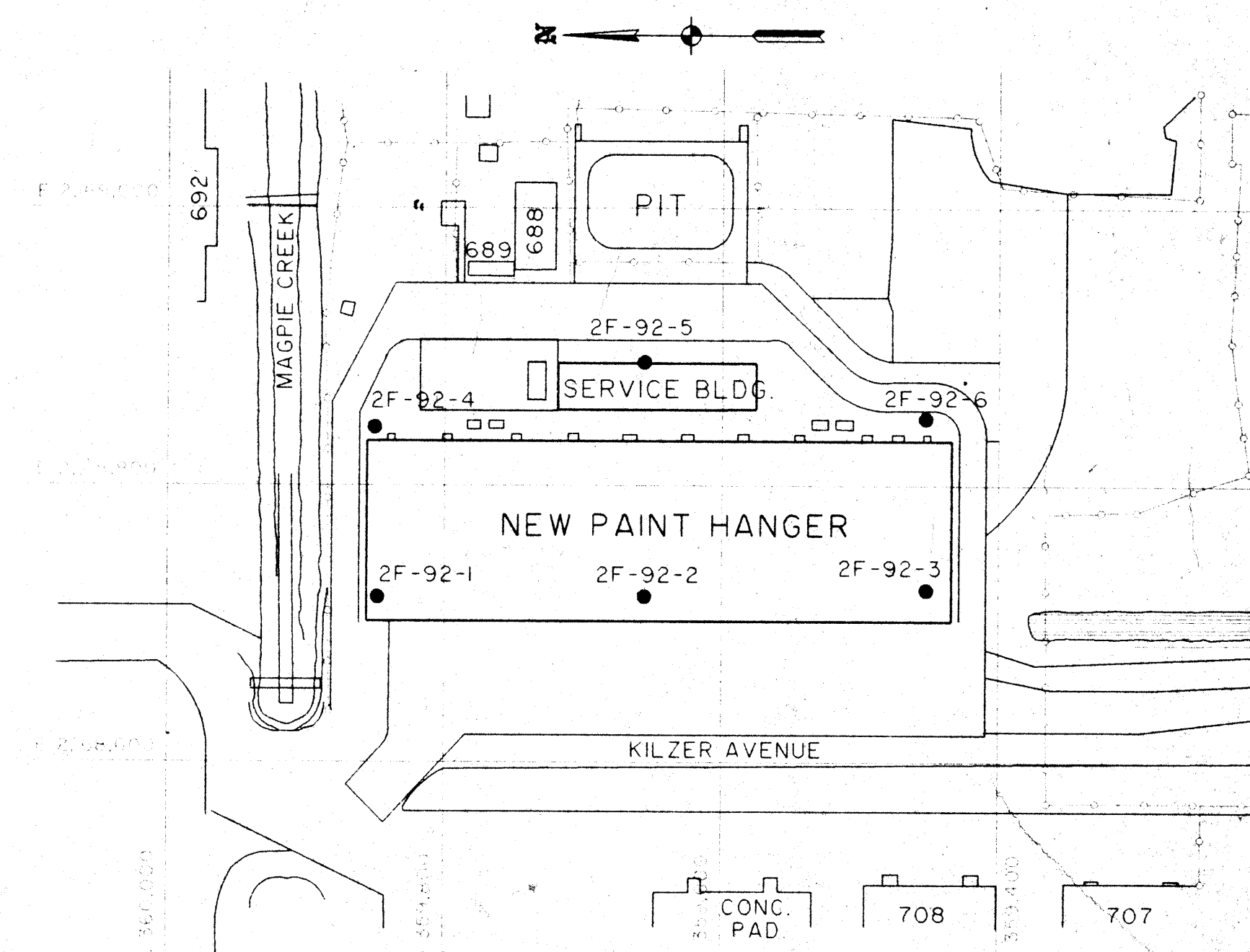
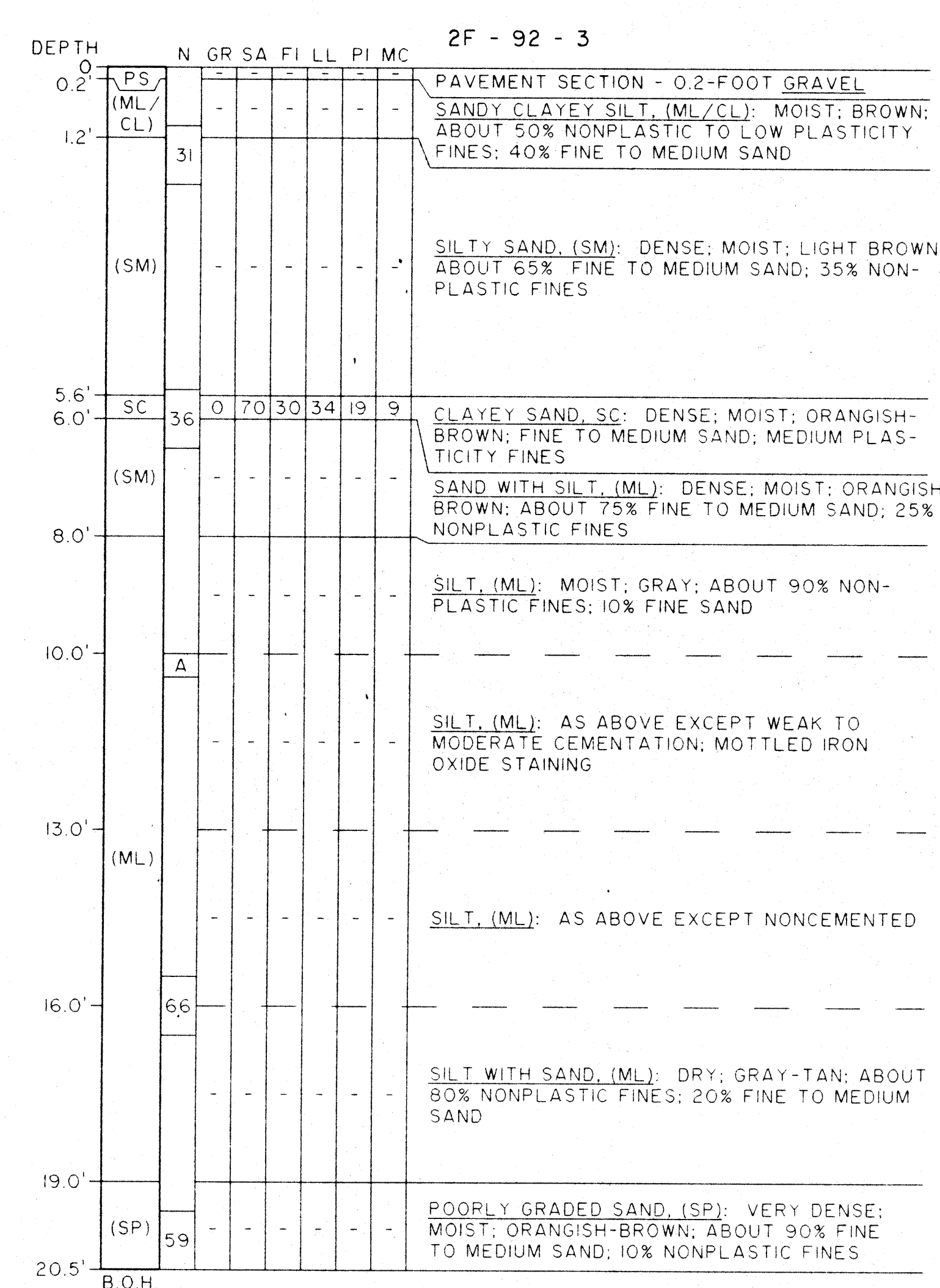
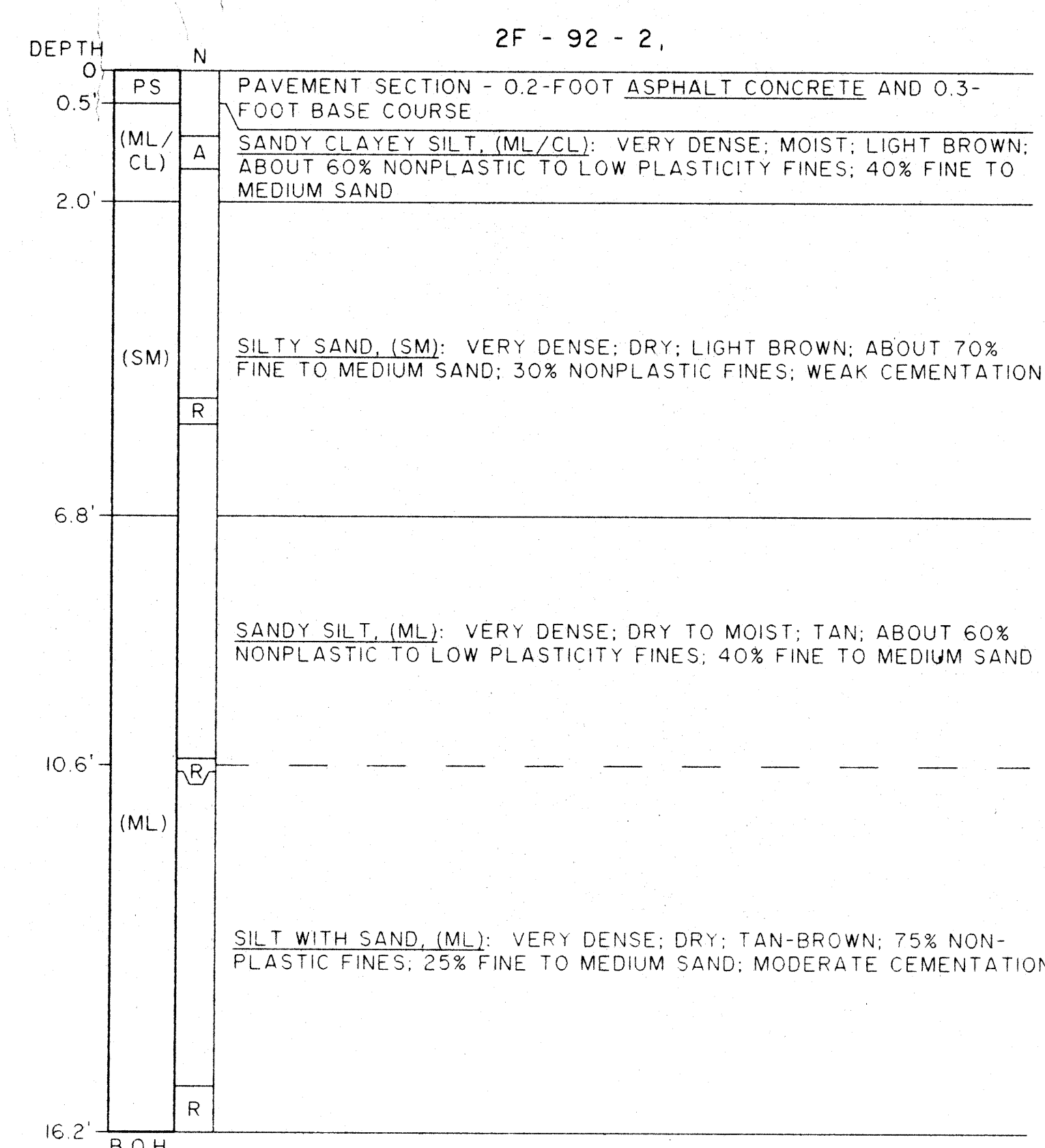
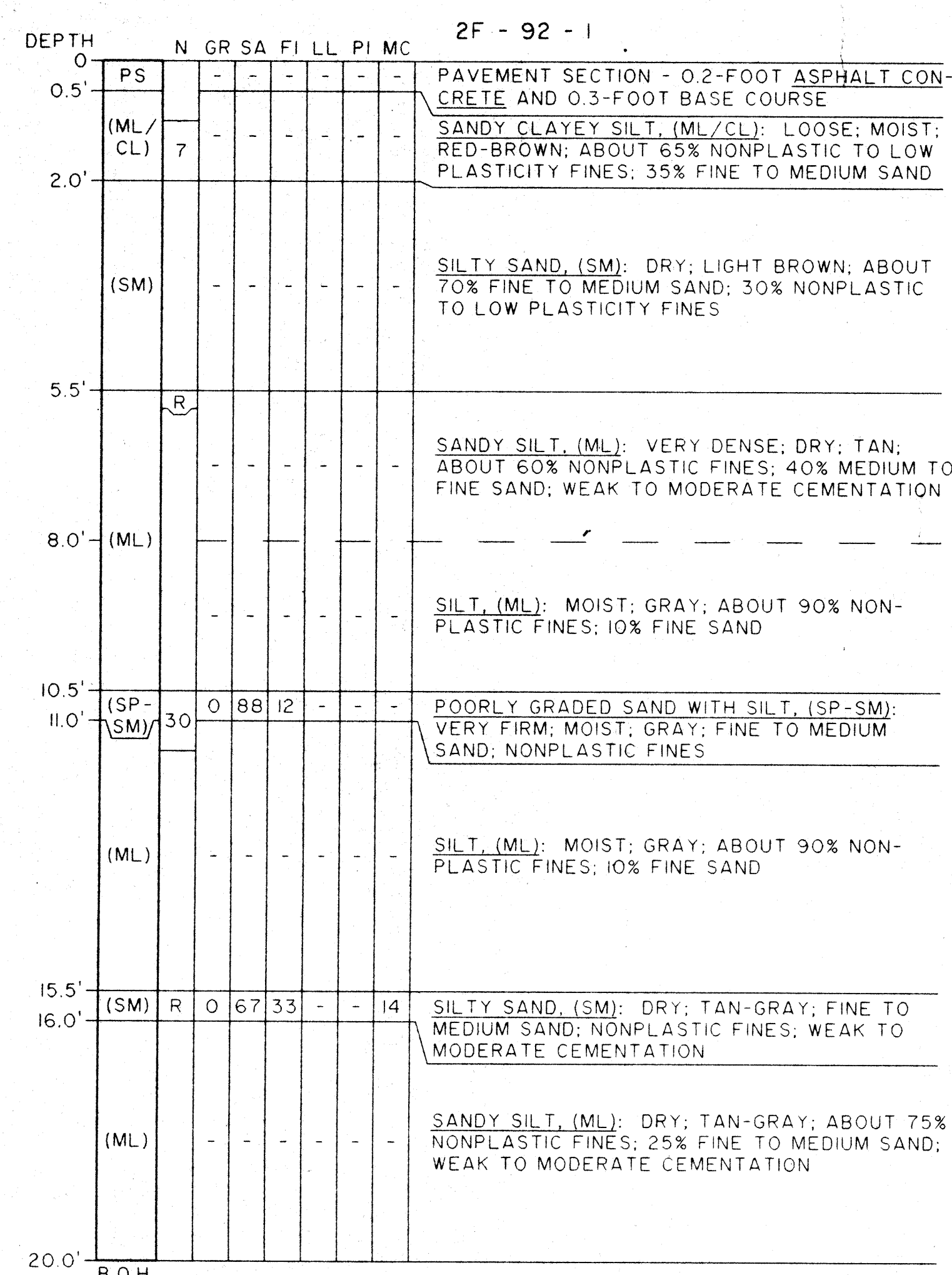
Any raceway, conduit or shaft being used between the controller or motor and the interior of the lift station shall be sealed where it leaves the interior of the lift station to prevent the travel of combustible gases. Therefore, the static between the pump and the motor, if it is hollow, shall be sealed.

SAFETY PAYS.

REVISION	DATE	DESCRIPTION	BY	BY
11/25/92	11/25/92	MISCELLANEOUS REVISIONS	DA	
<b>NORMAN ENGINEERING CO.</b> CONSULTING ENGINEERS LOS ANGELES, CALIFORNIA			<b>DEPARTMENT OF THE ARMY</b> SACRAMENTO DISTRICT, CORPS OF ENGINEERS SACRAMENTO, CALIFORNIA	
DISTRICT: <b>H. SIEGER</b> DRAWN: <b>D. MARTINOLI</b> CHECKED: <b>J. MACIEJUNES</b>			PROJECT: <b>MCLELLAN AIR FORCE BASE</b> <b>ADAL DEPOT CORROSION CONTROL FACILITY</b> <b>NEW AIRCRAFT PAINT FACILITY</b>	
SUBMITTED: <b>9/30/92</b> DATE APPROVED: <b>9/30/92</b>			SCALE: <b>C-10</b> AS NOTED 100-25-2051	



# FUNCTION ANALYSIS - VE PAYS



LOCATION OF EXPLORATIONS

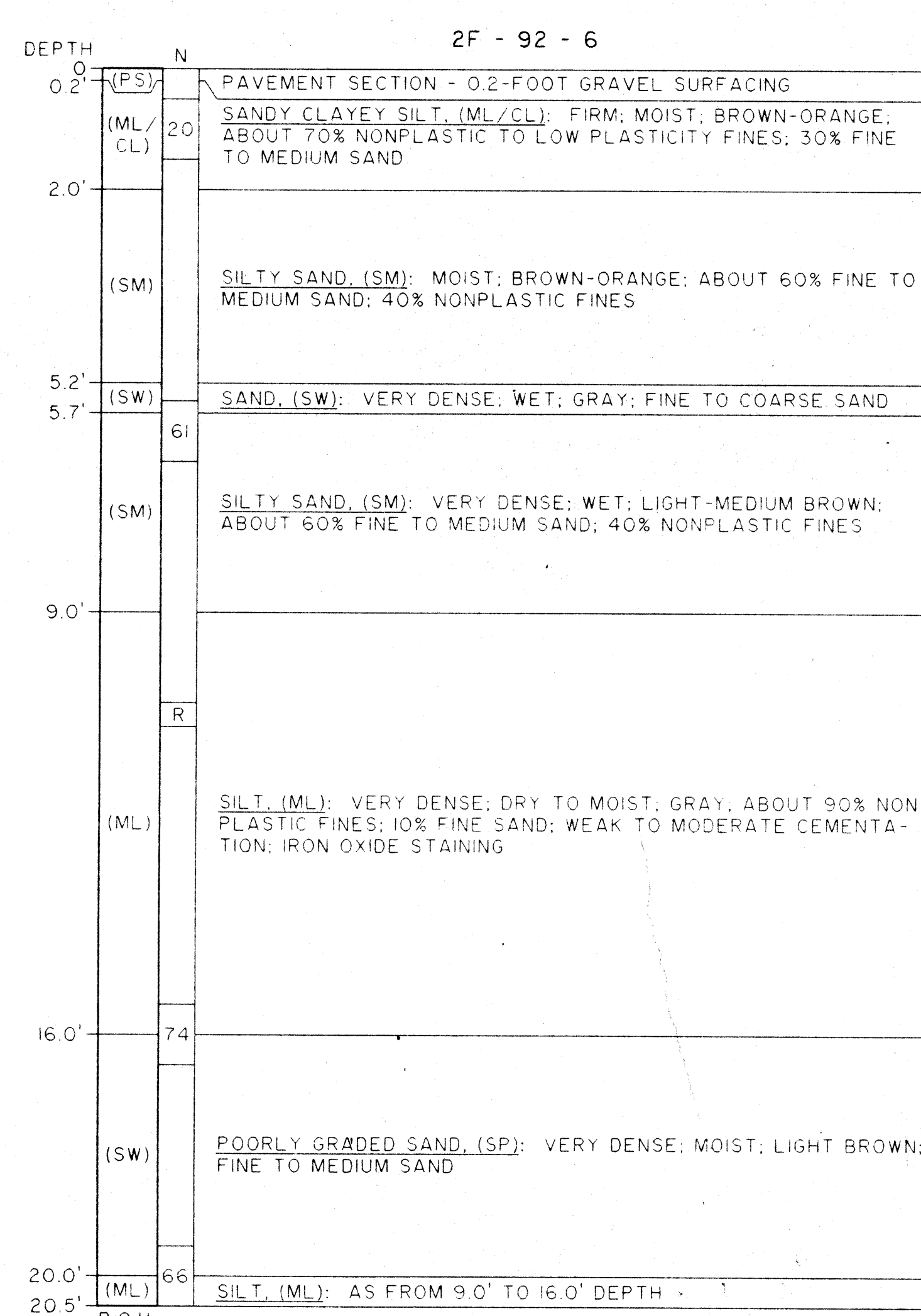
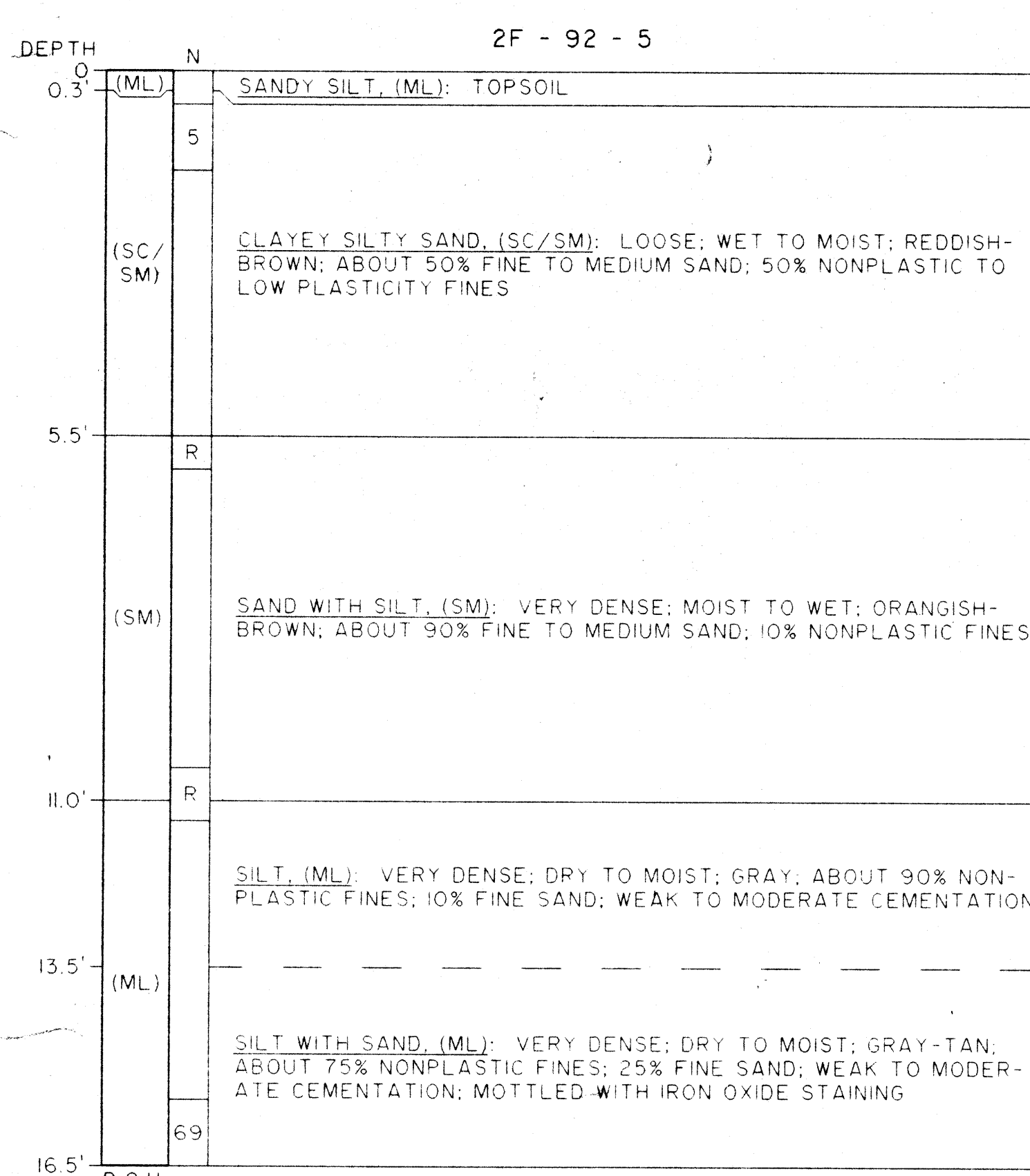
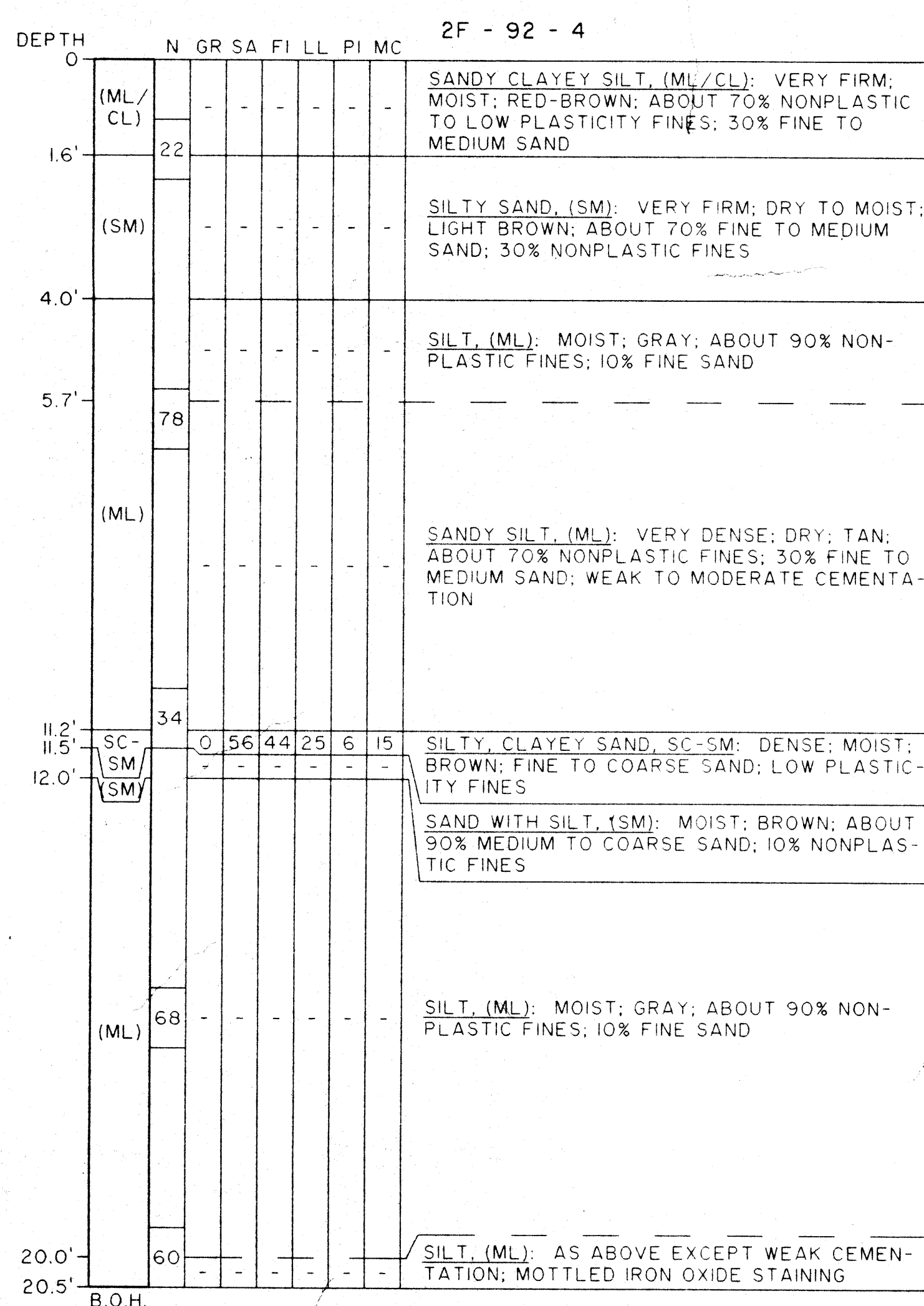
SCALE: 1" = 100'

## LEGEND:

- 2F-92-4 LOCATION OF EXPLORATIONS
- GR GRAVEL, PERCENT BY WEIGHT PASSING THE 3" SIEVE AND RETAINED ON THE NO. 4 SIEVE
- SA SAND, PERCENT BY WEIGHT PASSING THE NO. 4 SIEVE AND RETAINED ON THE NO. 200 SIEVE
- FI FINES, PERCENT BY WEIGHT PASSING THE NO. 200 SIEVE
- LL LIQUID LIMIT
- PI PLASTICITY INDEX (LIQUID LIMIT MINUS PLASTIC LIMIT)
- MC LABORATORY DETERMINED MOISTURE CONTENT IN PERCENT OF DRY WEIGHT
- SM LABORATORY CLASSIFICATION
- (SM) FIELD VISUAL IDENTIFICATION
- N NUMBER OF BLOWS WITH THE STANDARD PENETROMETER
- R REFUSAL WITH THE STANDARD PENETROMETER (SEE NOTE 10)
- A ATTEMPT WITH THE STANDARD PENETROMETER (SEE NOTE 11)
- B.O.H. BOTTOM OF HOLE
- PS PAVEMENT SECTION

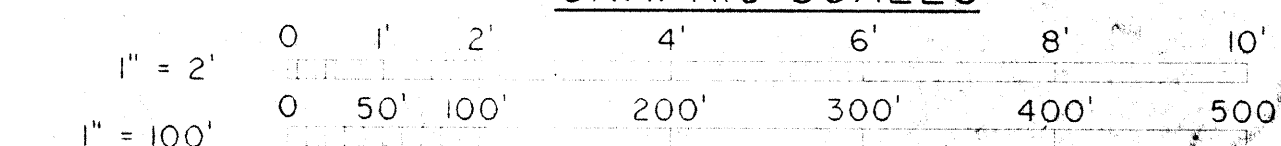
## NOTES:

1. THIS DRAWING IS TO BE USED ONLY FOR APPROXIMATE LOCATION OF EXPLORATIONS AND DESCRIPTION OF SUB-SURFACE CONDITIONS.
2. LABORATORY CLASSIFICATIONS ARE IN ACCORDANCE WITH ASTM D 2487, "CLASSIFICATION OF SOILS FOR ENGINEERING PURPOSES".
3. DESCRIPTIONS AND VISUAL IDENTIFICATIONS ARE IN ACCORDANCE WITH ASTM D 2488, "DESCRIPTION AND IDENTIFICATION OF SOILS (VISUAL-MANUAL PROCEDURE)".
4. ALL COLORS SHOWN ARE IN ACCORDANCE WITH THE GEOLOGICAL SOCIETY OF AMERICA'S "ROCK COLOR CHART".
5. ALL SIEVE SIZES SHOWN ARE U.S. STANDARD.
6. BORINGS WERE DRILLED WITH A MOBILE B-53 TRUCK MOUNTED DRILL RIG USING AN 8-INCH HOLLOW-STEM FLIGHT AUGER ON 2 MARCH 1992.
7. BORINGS WERE SAMPLED WITH A 3-INCH O.D. RING-LINED BARREL (CALMOD) SAMPLER IN GENERAL ACCORDANCE WITH ASTM D-3550, EXCEPT THE IN-HOLE HAMMER/CABLE ASSEMBLY GENERALLY CONFORMED TO ASTM D-1586. THE BLOW COUNT VALUES SHOWN ARE SPT EQUIVALENT "N" BLOWS USING A CORRECTION MULTIPLIER OF 0.60.
8. GROUNDWATER WAS NOT ENCOUNTERED AT THE TIME OF EXPLORATIONS; HOWEVER, GROUNDWATER LEVELS CAN BE EXPECTED TO FLUCTUATE IN RESPONSE TO RAINFALL VARIATIONS, PARTICULARLY IN THE VICINITY OF SITE DRAINAGE FEATURES. PERCHED WATER CONDITIONS ON HARD SILT AND CLAY LAYERS (HARDPAN) ARE KNOWN TO OCCUR AT MC CLELLAN A.F.B.
9. DEPENDING ON THE SOIL MOISTURE AT THE TIME OF CONSTRUCTION, THE SOIL ENCOUNTERED MAY BE UNSTABLE OR POTENTIALLY UNSTABLE. THE PROBABILITY OF UNSTABLE CONDITIONS IS HIGHEST WHEN THE SOIL MOISTURE IS GREATEST.
10. REFUSAL WITH THE STANDARD PENETROMETER IS DEFINED AS ONE OF THE FOLLOWING:
  - A. 10 BLOWS FOR NO APPARENT ADVANCEMENT OF THE SAMPLER; OR
  - B. 50 BLOWS FOR LESS THAN 6" ADVANCEMENT OF THE SAMPLER; OR
  - C. 100 BLOWS FOR 6" TO 18" ADVANCEMENT OF THE SAMPLER.
11. ATTEMPT WITH THE STANDARD PENETROMETER IS DEFINED AS REFUSAL WITHIN THE FIRST 6"; SEATING PENETRATION.
12. THICKNESS OF PAVEMENT SECTION SHOWN IS THAT AT LOCATION OF EXPLORATIONS; THICKNESS MAY VARY AT OTHER LOCATIONS.



VERTICAL SCALE: 1" = 2'

## GRAPHIC SCALES



<b>GEOTECHNICAL BRANCH</b>		<b>DEPARTMENT OF THE ARMY</b>	
<b>SOIL DESIGN SECTION</b>		<b>SACRAMENTO DISTRICT CORPS OF ENGINEERS</b>	
		<b>SACRAMENTO, CALIFORNIA</b>	
DESIGNED BY	MC CLELLAN A.F.B.	CALIFORNIA	
CHECKED BY	R. BORN		
APPROVED BY	R. TELLEFSON		
PROJECT NO.		FILE NO.	
C-11		100 - 25 - 2051	
DATE		DATE	
9/30/92		8529	
DRAWN BY		FILE NO.	
18 OF 95		100 - 25 - 2051	

REFERENCE: SACRAMENTO DISTRICT EXPLORATION LOG FILE NUMBER 100-01-2052

SAFETY3PAYS



# FUNCTION ANALYSIS - VE PAYS

## LEGEND

●	CONTROL POINT	CMP	CORRUGATED METAL PIPE
○	GUARD POST	AC	ASPHALT
—	GUARD RAIL	EP	EDGE OF PAVEMENT
●	GAS VALVE	FL	FLOWLINE
W	WATER VALVE	TG	TOP OF GRATE
Q	FIRE HYDRANT	— 24" SD	STORM DRAIN
⊕	COMPRESSED AIR VALVE	— 18" ID	INDUSTRIAL WASTE SYSTEM
⊕	ELECTRIC SERVICE MANHOLE	— C.A.	COMPRESSED AIR SYSTEM
⊕	INDUSTRIAL WASTE MANHOLE	— 12" W	HEATING/COOLING SYSTEM
⊕	SEWER MANHOLE	— 10" W	WATER DISTRIBUTION
⊕	SIGN AS DESCRIBED	— 2" GAS	NATURAL GAS SYSTEM
—	JOINT USE POLE	—	WIRE FENCE
+	RISER	—	CHAIN LINK FENCE
⊕	TRANSFORMER	—	GATE W/POSTS
—	GUY WIRE	— OHE	OVERHEAD ELECTRIC
—	STREET LIGHT	— OHT	OVERHEAD TELEPHONE
■	DRAIN INLET	— 61	CONTOUR LINE
○	TREE AS NOTED	—	CONCRETE
63.42	SPOT ELEVATION	—	BALE GROUND
+	STATE PLANE GRID TIC	—	GRAVEL

## NOTES

- THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS TOPOGRAPHIC SURVEY WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. IT IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. (A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DETERMINE ALL KNOWN UTILITIES). HOWEVER, THE SURVEYOR ASSUMES NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THIS MAP.
- THE TOPOGRAPHIC INFORMATION SHOWN IS BASED ON ACTUAL FIELD SURVEYS CONDUCTED BY WONG AND ASSOCIATES IN FEBRUARY, 1992.
- BASIS OF BEARINGS FOR THIS SURVEY IS N 01° 00' 52" E BETWEEN CONTROL POINTS 131 AND 36-78.
- SURVEY CONTROL POINTS 36-78, AND 131 ARE LOCATED OUTSIDE THE PROJECT LIMITS. REFER TO AIR FORCE LOGISTICS COMMAND, COMPREHENSIVE PLAN BASE SITE DRAWING #0-1.1 OF MCCELLELLAN AIR FORCE BASE CALIFORNIA FOR RELATIVE MONUMENT LOCATIONS.
- HORIZONTAL CONTROL IS BASED ON THE CALIFORNIA STATE COORDINATE SYSTEM ZONE 2 USING CONTROL POINTS 131 AND 36-78 (GRID FACTOR = 0.9999400). ADDITIONAL CONTROL POINTS WERE SET ON SITE AS SHOWN PER THIS SURVEY.
- HORIZONTAL AND VERTICAL CONTROL POINTS:

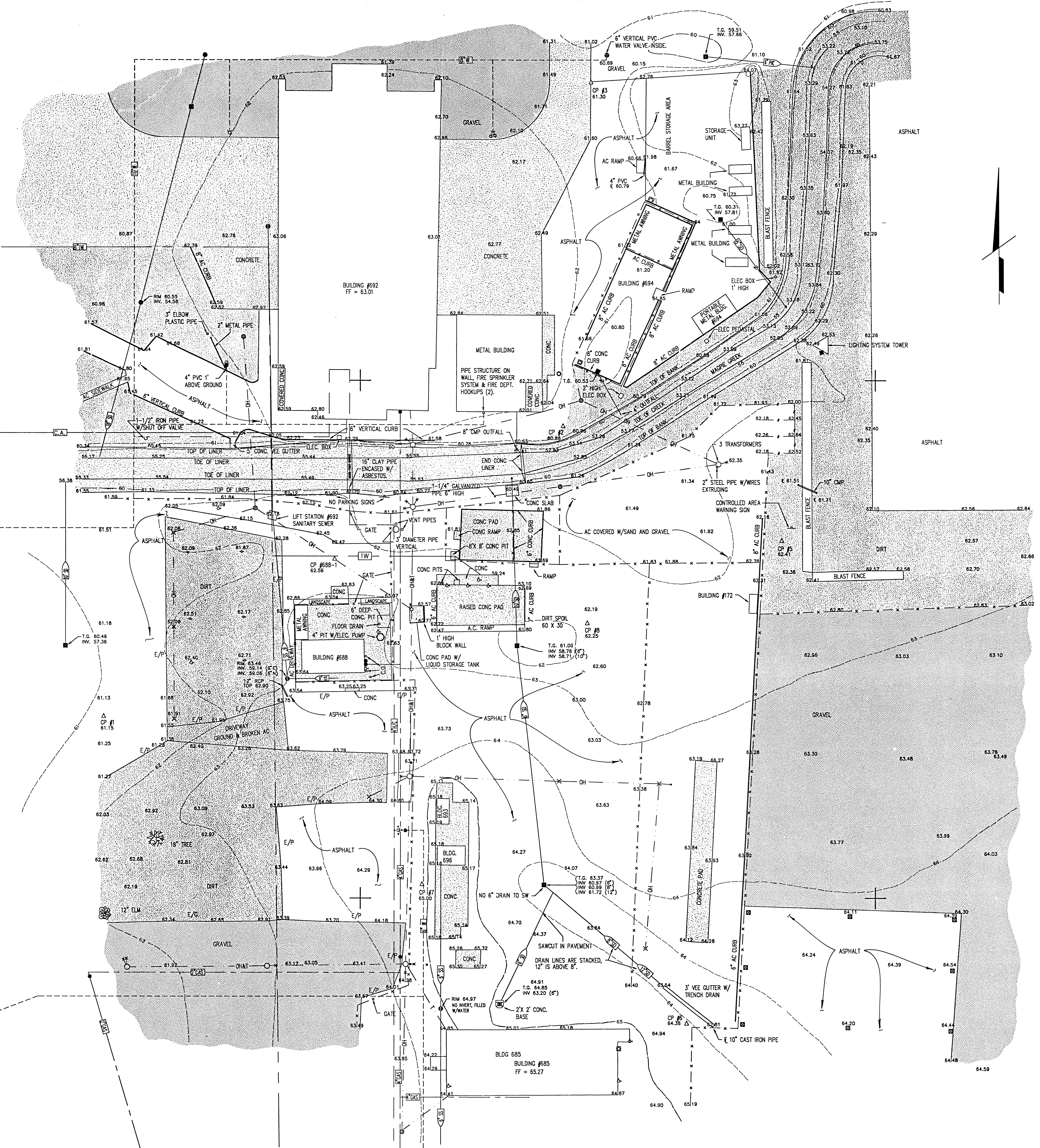
POINT	NORTHING	EASTING	ELEVATION
36-78	359883.442	2168671.497	62.91
688-1	359827.841	2168974.790	62.56 (63.10 RECORD)
131	360518.540	2168698.680	61.88
CP 1	359875.776	2168750.087	61.15
CP 2	359956.588	2169196.529	60.83
CP 3	360287.606	2169224.108	61.30
CP 4	360354.047	2169473.768	60.98
CP 5	359845.592	2169408.895	62.41
CP 6	359379.758	2169316.057	64.36
CP 7	359513.834	2169269.712	65.00
CP 8	359765.866	2169219.658	62.25
CP 9	359827.841	2169974.788	62.56
CP 10	360518.540	2168698.680	61.88
CP 11	359883.442	2168671.498	62.91
CP 12	359928.348	2168621.682	UNRECORDED
CP 13	359162.147	2168689.039	61.42
CP 18	359246.151	2168977.804	63.22
- ALL ELEVATIONS REFER TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
- ALL UTILITY REPRESENTATIVES ARE ON BASE. CONTACT SERGEANT GARNER (916-643-4875) FOR ADDITIONAL INFORMATION. TELEPHONE SERVICES ARE PROVIDED BY PACIFIC BELL THROUGH AN ON BASE REPRESENTATIVE. CONTACT BOB GREEN (916-643-6147) FOR ADDITIONAL INFORMATION.

40 20 0 40 80 120		SCALE IN FEET	
11/25/92	5-19-92	ISSUED FOR CONSTRUCTION	
REVISION	DATE	DESCRIPTION	BY
		ADDITIONAL TOPO NEAR BUILDING #685	PFB
DESIGNED: N/A		DEPARTMENT OF THE ARMY	
DRAWN: P.F.B.		SACRAMENTO DISTRICT, CORPS OF ENGINEERS	
CHECKED: G.T.W.		SACRAMENTO, CALIFORNIA 95815	
SUBMITTED:		MCCELLELLAN AIR FORCE BASE, CALIFORNIA	
APPROVED:		ADAL DEPOT CORROSION CONTROL FACILITY	
		BUILDING 713 - 4 POSITION PAINT HANGAR	
		TOPOGRAPHIC SURVEY - 1	
SHEET: 12	FILE NO: 100-13-2063	SCALE: 1" = 40'	SPEC. NO: 6529
DATE: 11-25-92	DATE: 11-25-92	DATE: 11-25-92	DATE: 11-25-92





# FUNCTION ANALYSIS - VE PAYS



## LEGEND:

- △ CONTROL POINT
- 10" SS SANITARY SEWER
- 10" SD STORM DRAIN
- SANITARY SEWER MANHOLE
- STORM DRAIN MANHOLE
- WATER VALVE
- GAS VALVE
- △ FIRE HYDRANT
- △ HOSE BIB
- △ WATER SPRINKLER
- EMERGENCY SHOWER
- DRAIN INLET
- JOINT POLE W/GUY WIRE
- UTILITY POLE
- × LIGHT
- TREE AS DESCRIBED
- GUARD POST
- N DRAIN SHUT OFF VALVE
- ⚡ WARNING LIGHT
- W WATER DISTRIBUTION
- IW INDUSTRIAL WASTE SYSTEM
- CA COMPRESSED AIR SYSTEM
- T OVERHEAD TELEPHONE LINE
- OH OVERHEAD POWER LINE
- x CHAIN LINK FENCE
- WOOD FENCE
- 3'x 2' ELECTRIC BOX IN CONC. (TYP.)
- SIGN AS DESCRIBED
- CONC CONCRETE
- INV INVERT
- CMP CORRUGATED METAL PIPE
- EL FLOWLINE
- AC ASPHALT CONCRETE
- RD ROAD
- E/P EDGE OF PAVEMENT
- CL CENTERLINE
- E/G EDGE OF GRAVEL
- T.G. TOP OF GRADE
- 61.24 POINT ELEVATION
- + STATE PLANE GRID TIC
- C.O. CLEAN OUT
- H/C HEATING/COOLING SYSTEM
- N/G NATURAL GAS SYSTEM

## NOTES:

- THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS TOPOGRAPHIC SURVEY WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. IT IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. (A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UTILITIES.) HOWEVER, THE SURVEYOR ASSUMES NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THIS MAP.
- THE TOPOGRAPHIC INFORMATION SHOWN IS BASED ON ACTUAL FIELD SURVEYS CONDUCTED BY GERMAN-WONG AND ASSOCIATES IN MAY, 1991.
- BASIS OF BEARINGS FOR THIS SURVEY IS N 01°00'52"E BETWEEN CONTROL POINTS 131 AND 36-78.
- SURVEY CONTROL POINTS 36-78, AND 131 ARE LOCATED OUTSIDE THE PROJECT LIMITS. REFER TO AIR FORCE LOGISTICS COMMAND, COMPREHENSIVE PLAN BASE SITE DRAWING #C-1-1, McCLELLAN AIR FORCE BASE, CALIFORNIA FOR RELATIVE MONUMENT LOCATIONS.
- HORIZONTAL CONTROL IS BASED ON THE CALIFORNIA STATE COORDINATE SYSTEM ZONE 2 USING CONTROL POINTS 131 AND 36-78 (GRID FACTOR = 0.9999400). ADDITIONAL CONTROL POINTS WERE SET ON SITE AS SHOWN FOR THIS SURVEY.
- HORIZONTAL AND VERTICAL CONTROL POINTS:

POINT	NORTHING	EASTING	ELEVATION
36-78	358983.442	2168671.497	62.91
688-1	358982.641	2168674.790	62.56 (63.10 RECORD)
131	360516.540	2168656.680	61.88
CP 1	359675.776	2168750.087	61.15
CP 2	359956.588	2169196.529	60.83
CP 3	360287.606	2169224.108	61.30
CP 4	360354.047	2169413.788	60.58
CP 5	359845.592	2169408.895	62.41
CP 6	359379.758	2169316.057	64.36
CP 7	359513.834	2169059.712	65.00
CP 8	359765.666	2169219.658	62.25

- ALL ELEVATIONS REFER TO THE NATIONAL GEOIDIC VERTICAL DATUM OF 1929.
- ALL UTILITY REPRESENTATIVES ARE ON BASE. CONTACT SERGEANT GARNER (916-643-4875) FOR ADDITIONAL INFORMATION. TELEPHONE SERVICES ARE PROVIDED BY PACIFIC BELL THROUGH AN ON BASE REPRESENTATIVE. CONTACT BOB GREEN (916-643-0147) FOR ADDITIONAL INFORMATION.

11-25-92 ISSUED FOR CONSTRUCTION	
GERMAN-WONG & ASSOCIATES, INC. 201 LATHROP WAY, SUITE F SACRAMENTO, CALIFORNIA 95815	DEPARTMENT OF THE ARMY SACRAMENTO DISTRICT, CORPS OF ENGINEERS SACRAMENTO, CALIFORNIA
DESIGNED: N/A DRAWN: P.F.B. CHECKED: G.T.W.	McCLELLAN AIR FORCE BASE, CALIFORNIA ADAL DEPOT CORROSION CONTROL FACILITY BUILDING 713 - 4 POSITION PAINT HANGAR TOPOGRAPHIC SURVEY-2
SUBMITTED: 11-25-92 APPROVED:	SCALE: 1" = 40' SHEET: C-13 FILE NO: 100-13-2063 SPEC NO: 8529



- LEGEND:**
- TREES:** (G) L-1 L-2  
T1 LONDON PLANE TREE (PLATANUS ACERIFOLIA)
- SHRUBS:** (A) L-1 L-2  
1 AGAPANTHUS AFRICANUS (LILY OF THE NILE)  
2 RAPHIOLEPIS 'CLARA' (CLARA RAPHIOLEPIS)  
3 RAPHIOLEPIS INDICA (INDIA HAWTHORN)
- GROUND COVER:** (F) L-1 L-2  
A ARCTOTHECA CALENDULA (CAPE WEED)  
B GAZANIA TRAILING (GAZANIA)  
C TRACHELOSPERMUM (STAR JASMINE)

- NOTE:**
- 1.) SEE SHEET L-2 FOR PLANTING LIST AND DETAILS
- 2.) ALL DIMENSIONS FOR TREE PLANTING ARE APPROXIMATE. ADJUST TO CLEAR UTILITY LINES.

NEW PAINT HANGAR

NEW CONCRETE PAVING

REMOVE EXISTING TREES

REMOVE EXISTING TREES

ASPHALT PAVING

ASPHALT PAVING

NEW PARKING AREA  
SEE C-6 FOR PVMT MARKING

FENCE

SERVICE BUILDING

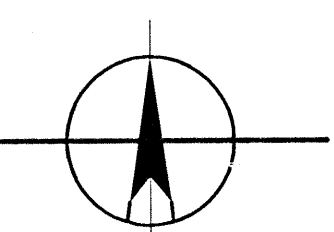
TREES

FUTURE VOC CATALYTIC INCINERATION AREA

NEW ELECTRIC SUBSTATION

LANDSCAPE PLAN

SCALE: 1" = 1'-0"



SERVICE BUILDING

CONTROLLER MOUNTED ON WALL - 30" ABOVE SLAB TO BOTTOM OF BOX. SEE DWG. E-4 FOR CONDUIT & WIRE.

**NOTES:**

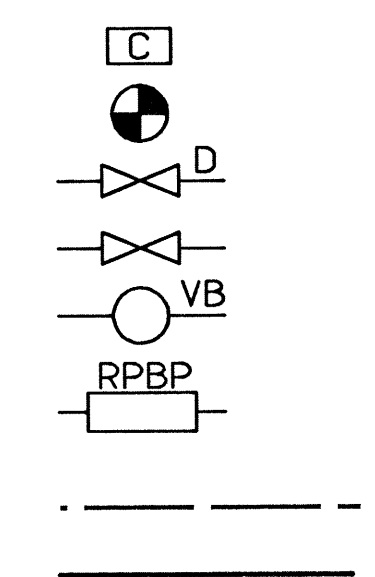
SEE SHEET L-2 FOR SPRINKLER INSTALLATION DETAILS.

VACUUM BREAKER AND REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY

EXISTING 6" WATER LINE

SPRINKLER HEAD DATA									
NOZZLE	SYMBOL	TYPE	PSI	GPM	HEIGHT	RADIUS	("/HR) PRECIP. RATE	AMOUNT	
FLAT	△	QUARTER CIRCLE	15	0.6	SEE DETAIL D/L-2	11"	3.79	9	
FLAT	△	HALF CIRCLE	15	0.9	SEE DETAIL D/L-2	11"	2.84	30	
STD	●	HALF CIRCLE	15	1.8		11"	2.30	22	
ADJ.	■	STREAM BUBBLER	2	1.3		3"		20	
STD	○	FULL CIRCLE	15	2.9		11"	1.85	5	
STD	⊖	3/4 CIRCLE	15	2.1		11"		2	

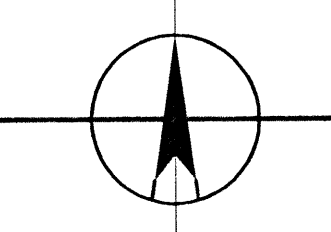
- CONTROLLER W/3 STATIONS
- REMOTE CONTROL VALVE
- MANUAL DRAIN VALVE
- GATE VALVE
- VACUUM BREAKER
- REDUCED PRESSURE BACKFLOW PREVENTER
- MAIN LINE
- LATERAL LINE



1" = 1'-0" 16' 0 16' 32'

SPRINKLER PLAN

SCALE: 1" = 1'-0"



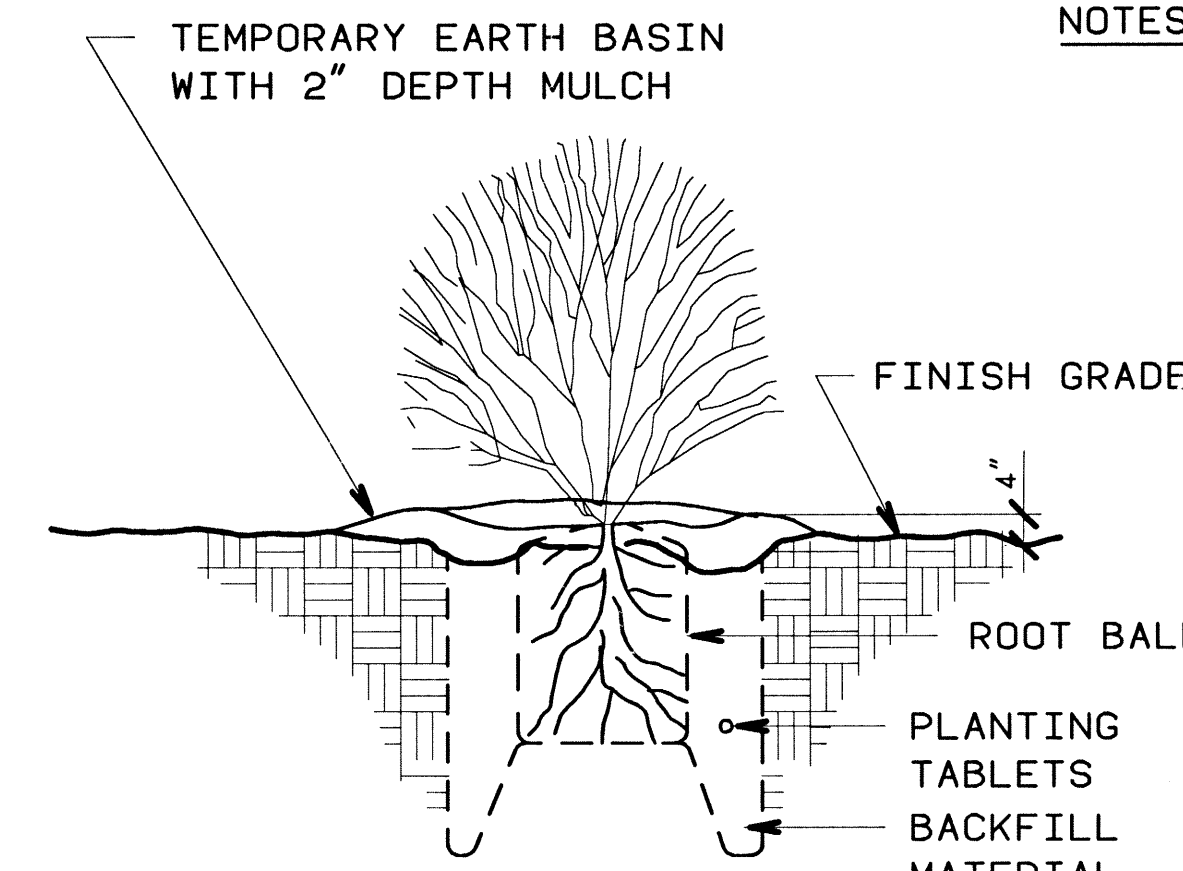
<b>NORMAN ENGINEERING CO.</b> CONSULTING ENGINEERS LOS ANGELES, CALIFORNIA		DEPARTMENT OF THE ARMY SACRAMENTO DISTRICT, CORPS OF ENGINEERS SACRAMENTO, CALIFORNIA	
DESIGNED:	J. MACIEJUNES	MCCLELLAN AIR FORCE BASE ADAL DEPOT CORROSION CONTROL FACILITY	
DRAWN:	J. LOVE		
CHECKED:	J. MACIEJUNES		
SUBMITTED:		DATE APPROVED:	9/30/92
SCALE: 1" = 40' SHEET L-1 14 OF 95		SPEC No.: 8529 FILE No.: 100-25-2051	



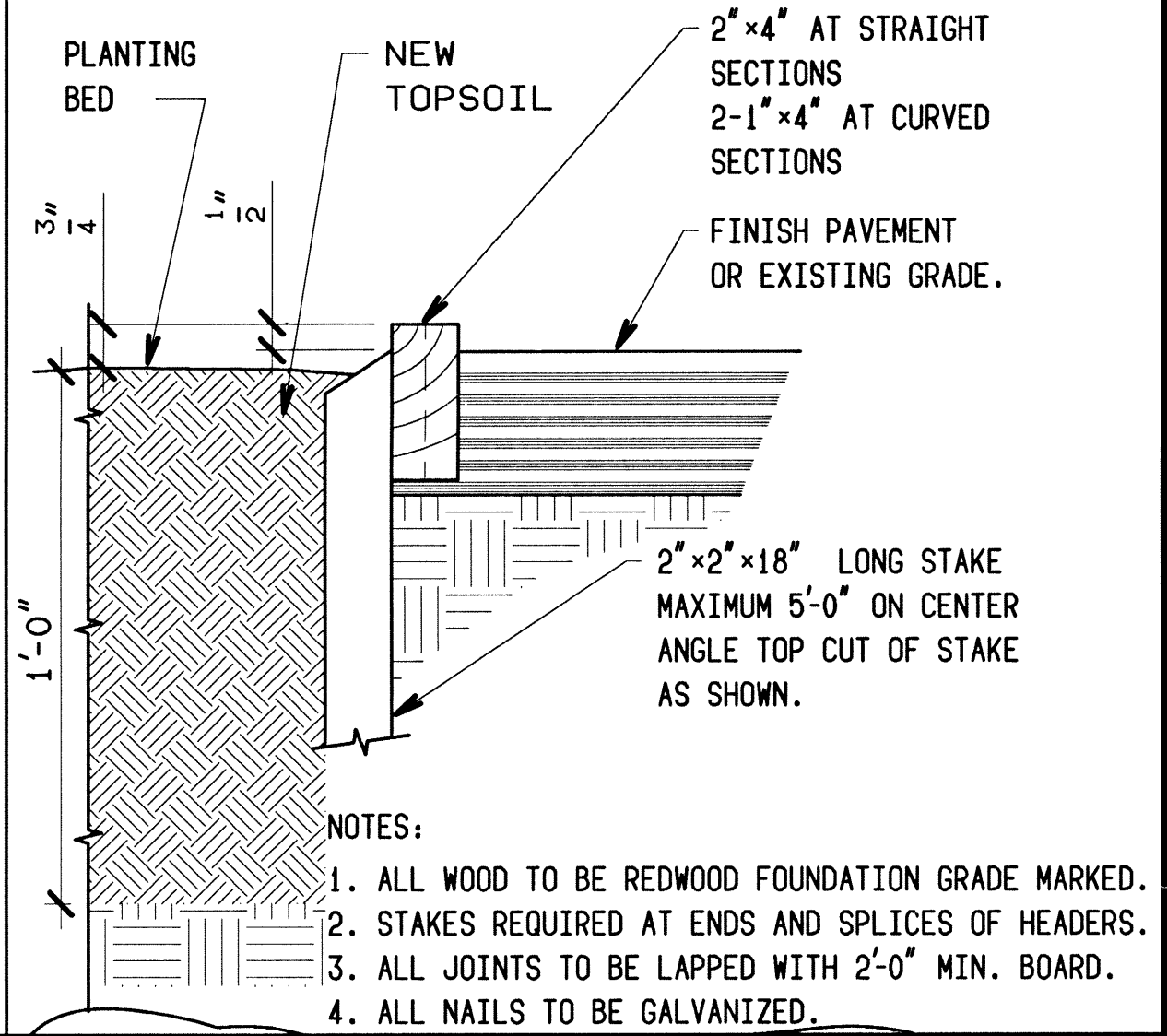
# FUNCTIONAL ANALYSIS - VE PAYS

## PLANT LIST

KEY	COMMON NAME	BOTANICAL NAME	PLANT SIZE	MATURE SPREAD	QUANTITY	REMARKS
TREES						
T-1	LONDON PLANE TREE	PLATANUS ACERIFOLIA	24" BOX	30'	6	
PLANTING HOLE SIZE						
PLANT	CONTAINER	PLANTING HOLE DEPTH	PLANTING HOLE WIDTH	FERTILIZER TABLETS		
TREE	24" BOX	4' -0"	5' -0"	6		
SHRUBS						
1	LILY OF THE NILE	AGAPANTHUS AFRICANUS	1 GAL	2' TO 3'	50	
2	CLARA RAPHIOLEPIS	RAPHIOLEPIS 'CLARA'	5 GAL	4' TO 5'	30	
3	INDIA HAWTHORN	RAPHIOLEPIS 'INDICA'	5 GAL	5' TO 6'	25	
GROUND COVERS						
A	CAPE WEED	ARCTOTHECA CALENDULA	6" H.	12" H.	2250	18" SPACING
B	GAZANIA	GAZANIA, UNIFLORA	6" H.	12" H.	750	24" SPACING, SUNBURST
C	STAR JASMINE	TRACELOSPERMUM	9" H.	18" H.	400	30" SPACING



- NOTES:
1. PIT SIZE: TWICE AS WIDE AS ROOT BALL.
  2. PLANTING DEPTH: TOP OF ROOT BALL 1" ABOVE FINISH GRADE.
  3. BACKFILL MATERIAL: 50% NATIVE SOIL AND 50% SOIL AMENDMENT COMPOSED OF PEAT, SAND AND ROTTED MANURE. CROWN THEN FIRM TO REDUCE SETTLING.
  4. PLANTING TABLETS: 7 GRAM PLANTING TABLETS. USE 3 FOR 1 GAL. SIZE AND 8 FOR 5 GAL. SIZE.
  5. EARTH BASIN: DIAMETER 12" LARGER THAN ROOT BALL.
  6. MULCH: GROUND OR SHREDDED BARK RANGING IN SIZE FROM 1/8" TO 3/8"
  7. VITAMIN B-1: APPLY AS PER MANUFACTURER'S INSTRUCTIONS WITH SECOND WATERING OF THE BASIN.



## SHRUB PLANTING DETAIL

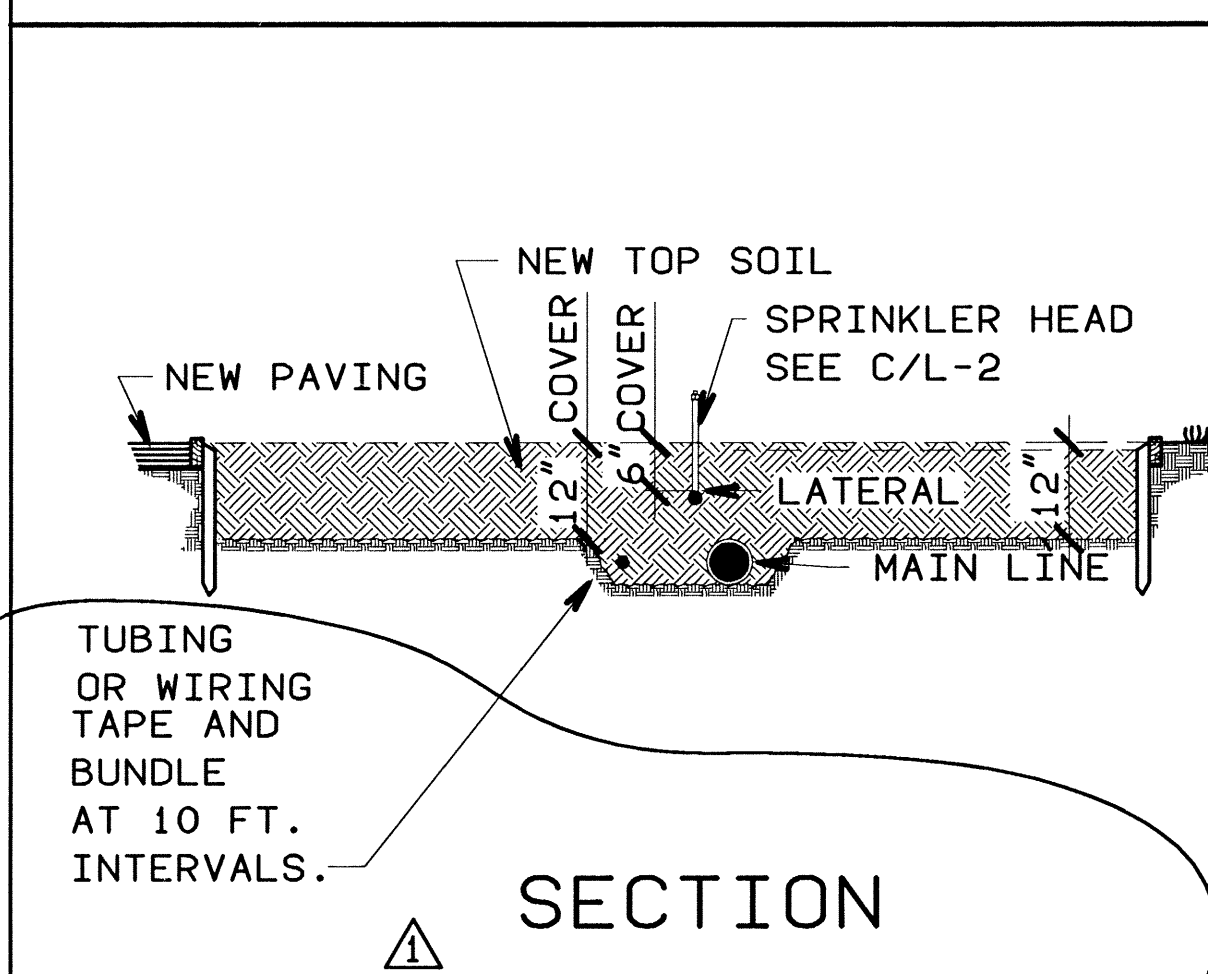
SCALE: NONE

A  
L-1 L-2

## HEADER BOARD EDGING

SCALE: 3"=1'-0"

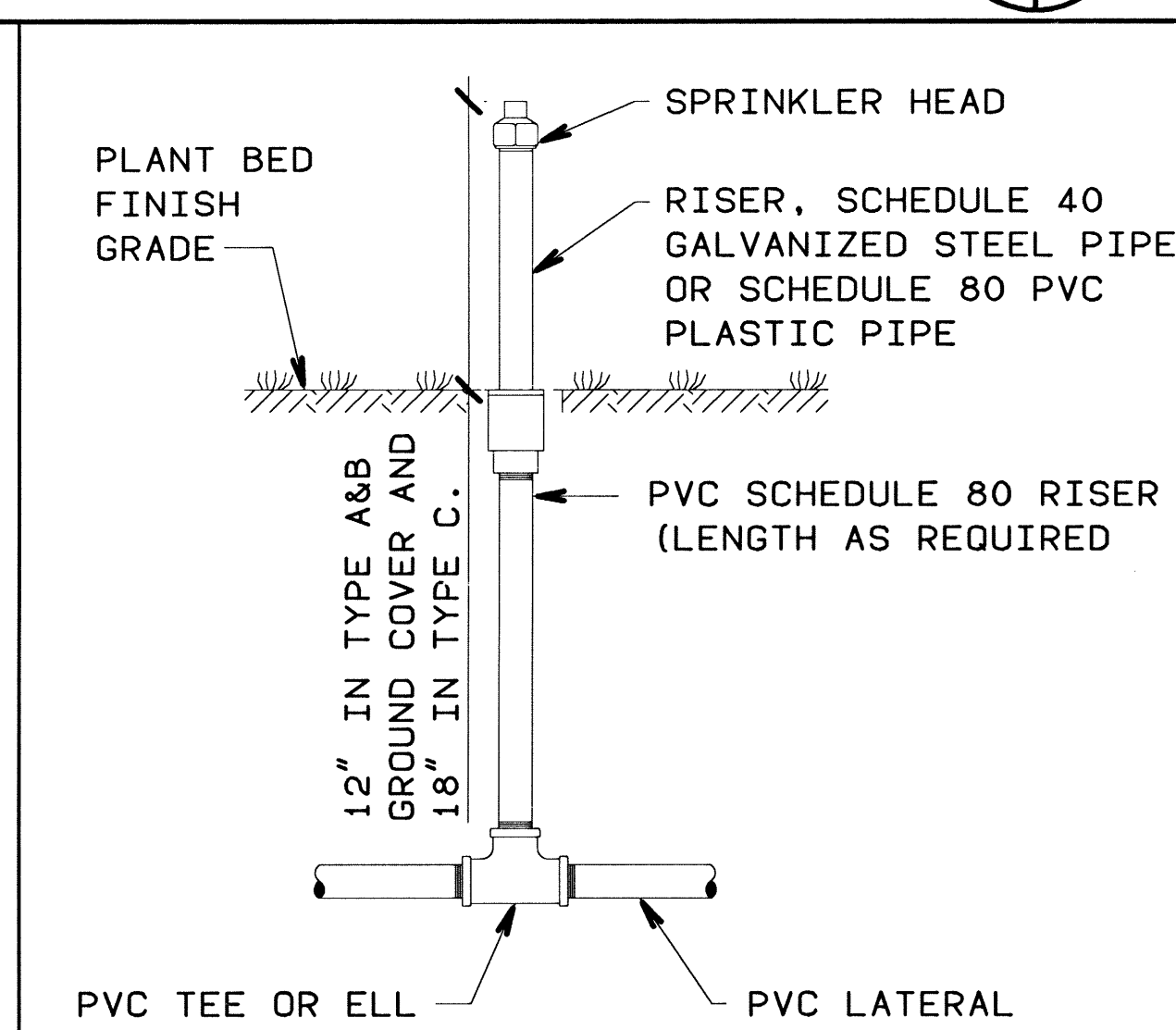
B  
L-1 L-2



## PIPE TRENCHING

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

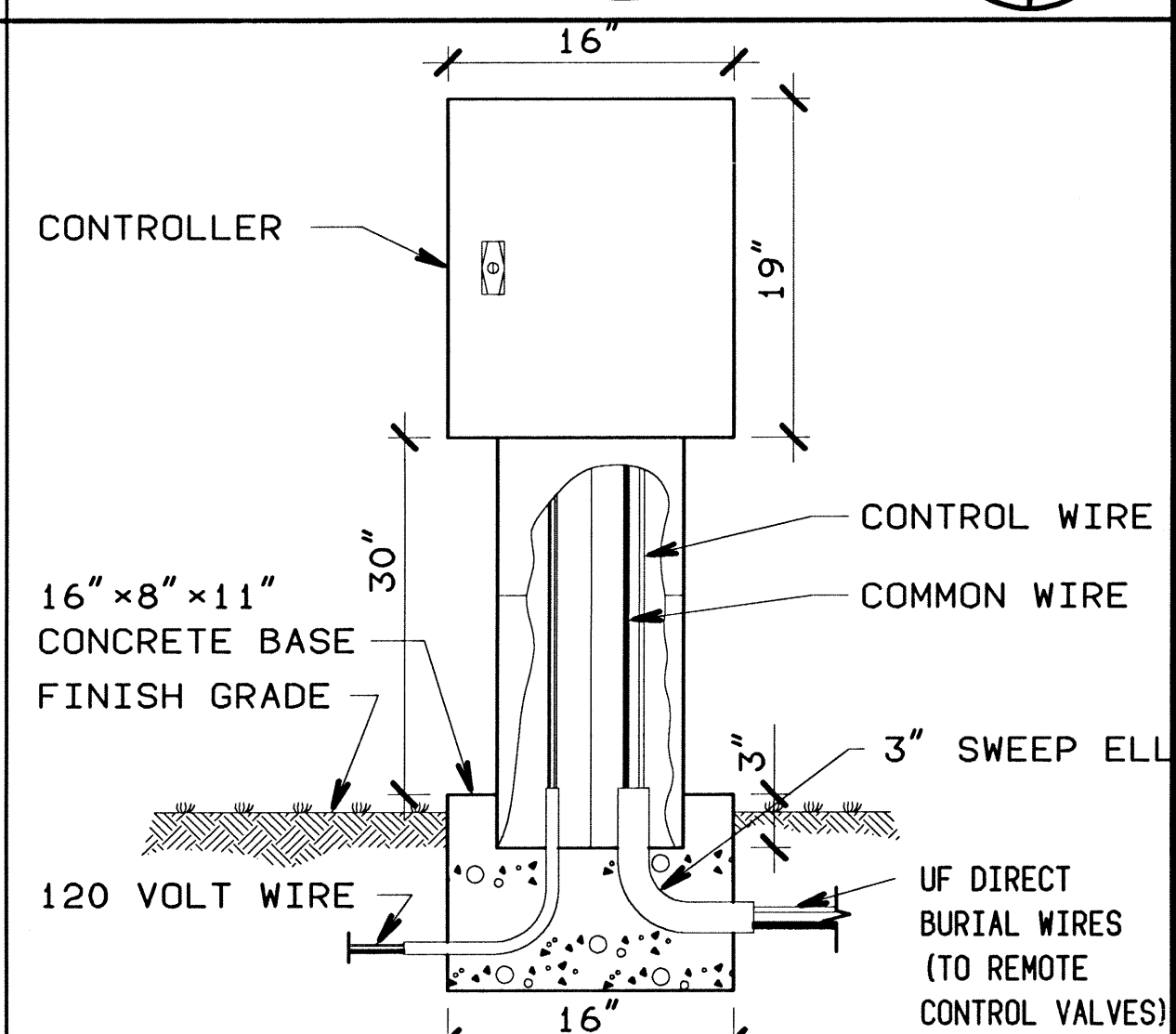
C  
L-1 L-2



## TYPICAL SPRINKLER HEAD DETAIL

SCALE: NONE

D  
L-2 L-2



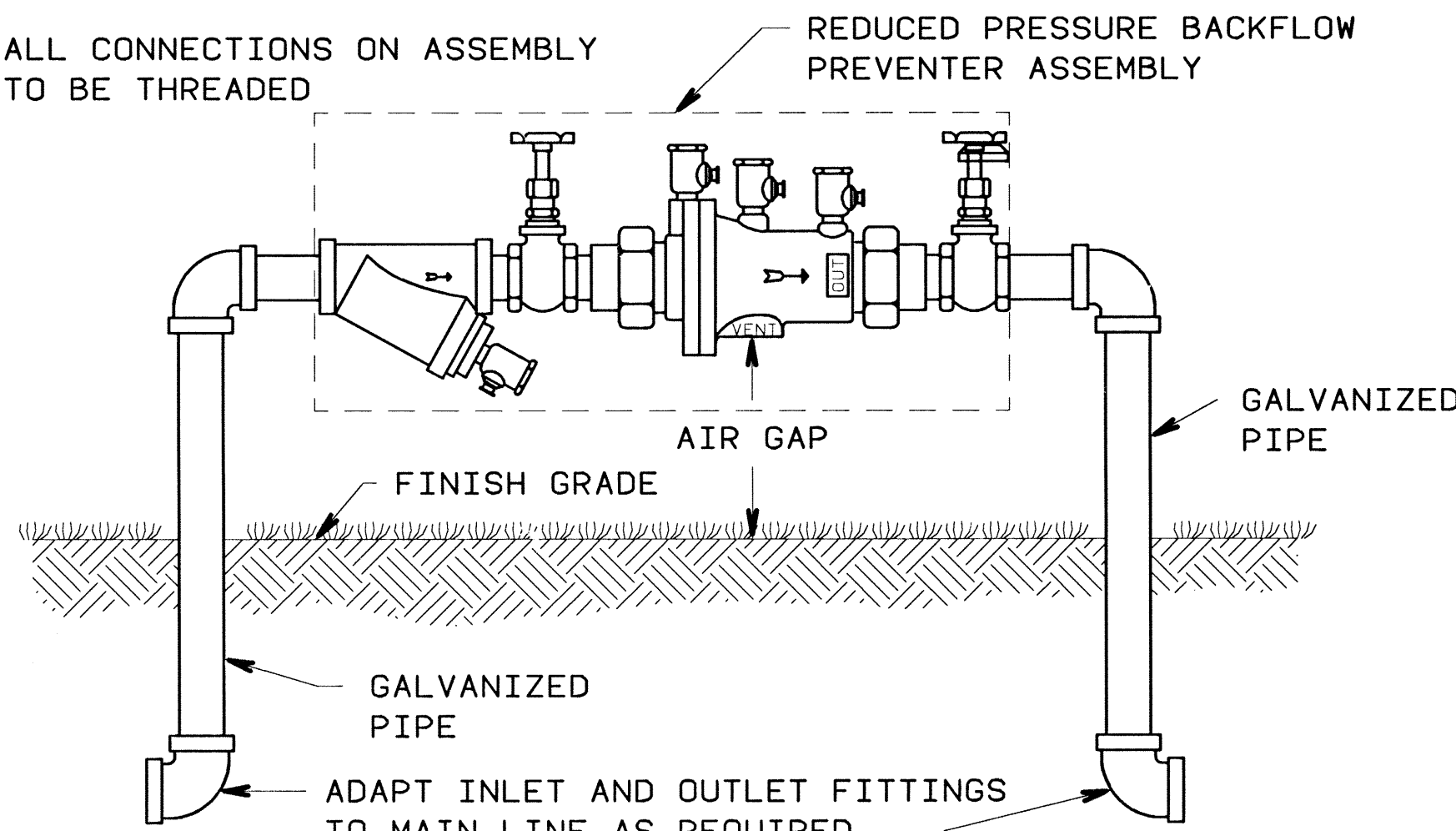
## CONTROLLER DETAIL

SCALE: NONE

E  
L-1 L-2

### NOTE

1. INSTALL 12" AIR GAP MINIMUM
2. ALL CONNECTIONS ON ASSEMBLY TO BE THREADED



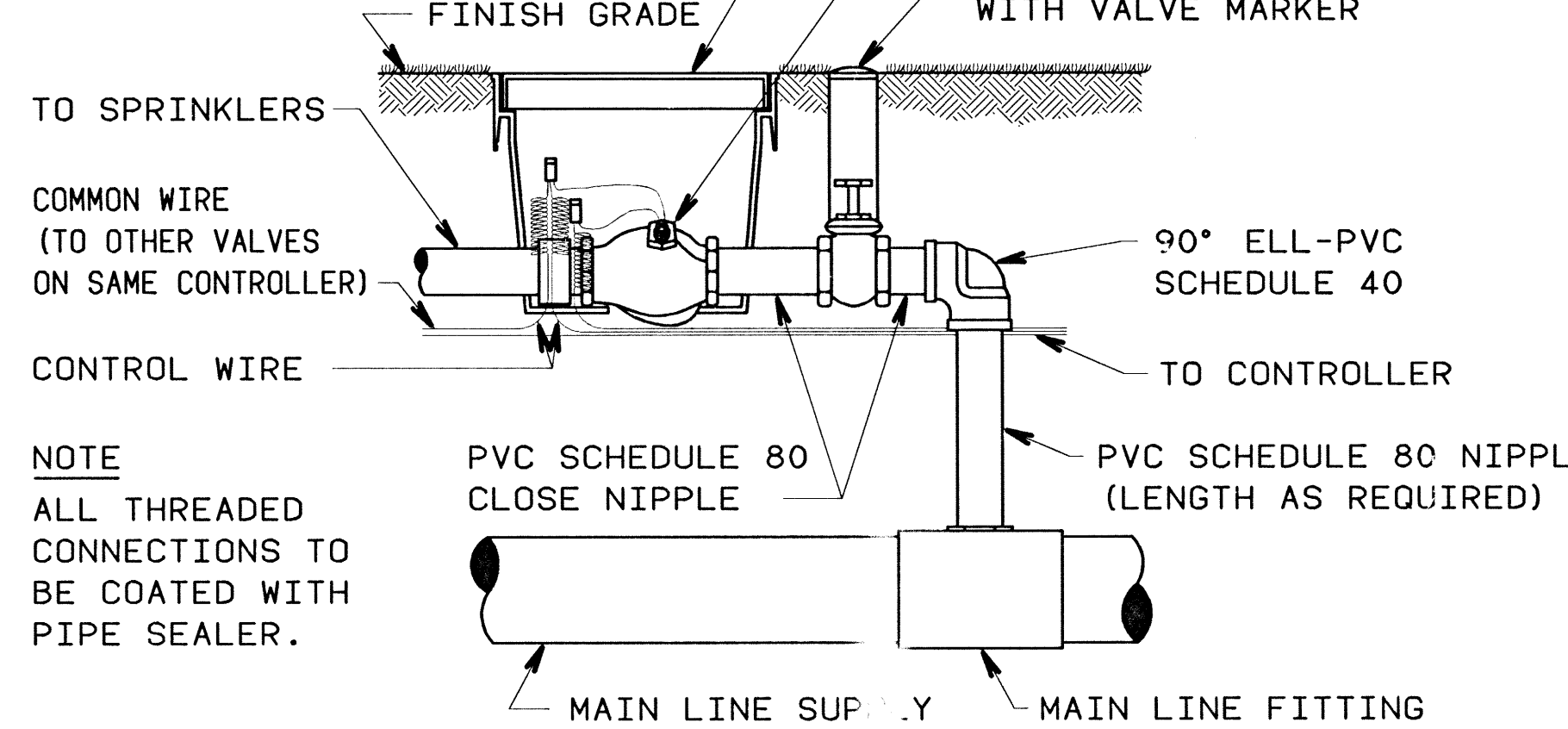
## REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY

SCALE: NONE

H  
L-1 L-2

### NOTE

1. ALL WIRE TO BE INSTALLED AS PER LOCAL CODE
2. TAPE AND BUNDLE WIRE EVERY TWENTY FEET
3. PROVIDE EXPANSION COILS AT EACH WIRE CONNECTION IN VALVE BOX (WRAP AROUND 1/2" PIPE 15 TIMES)

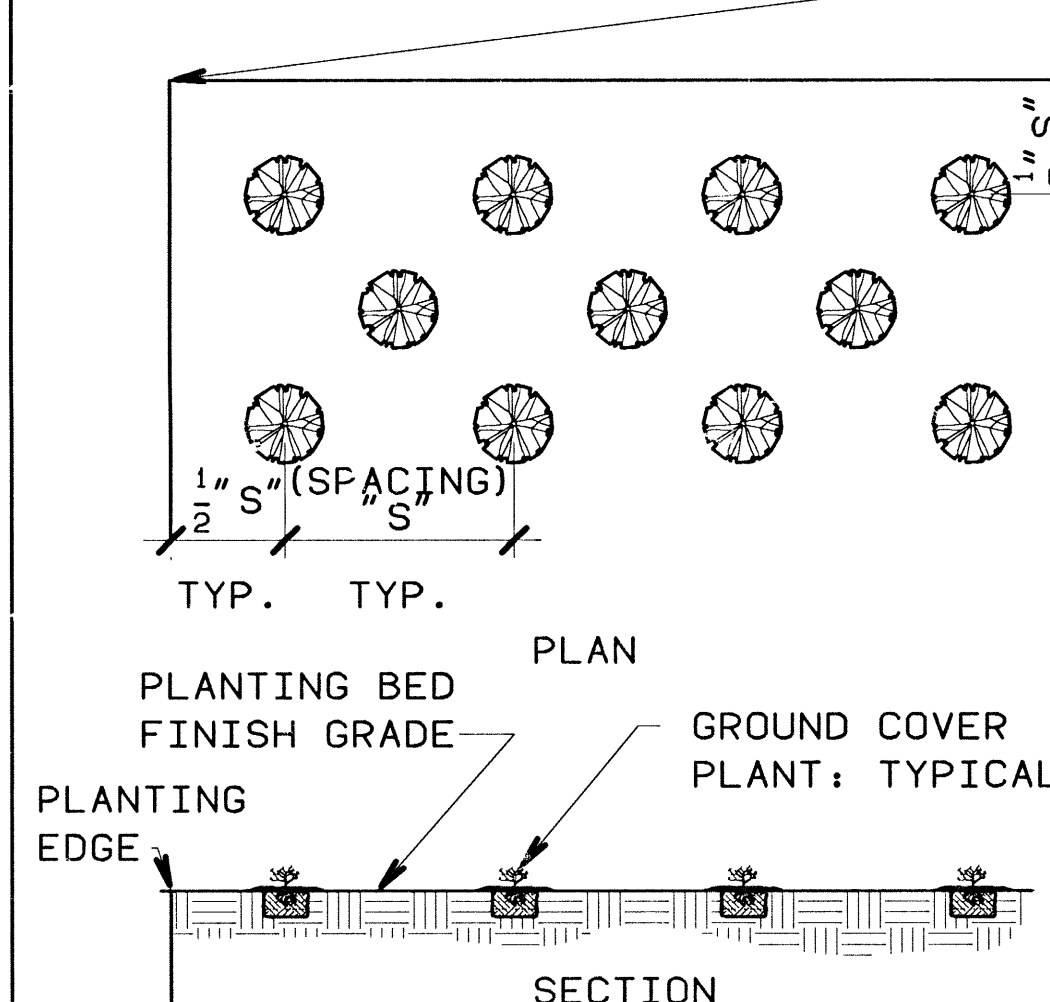


## REMOTE CONTROL VALVE DETAIL

SCALE: NONE

I  
L-1 L-2

CURB, WALK, DRIVEWAY, FENCE ROOT MASS OR PROPERTY LINE OF GROUND COVER.

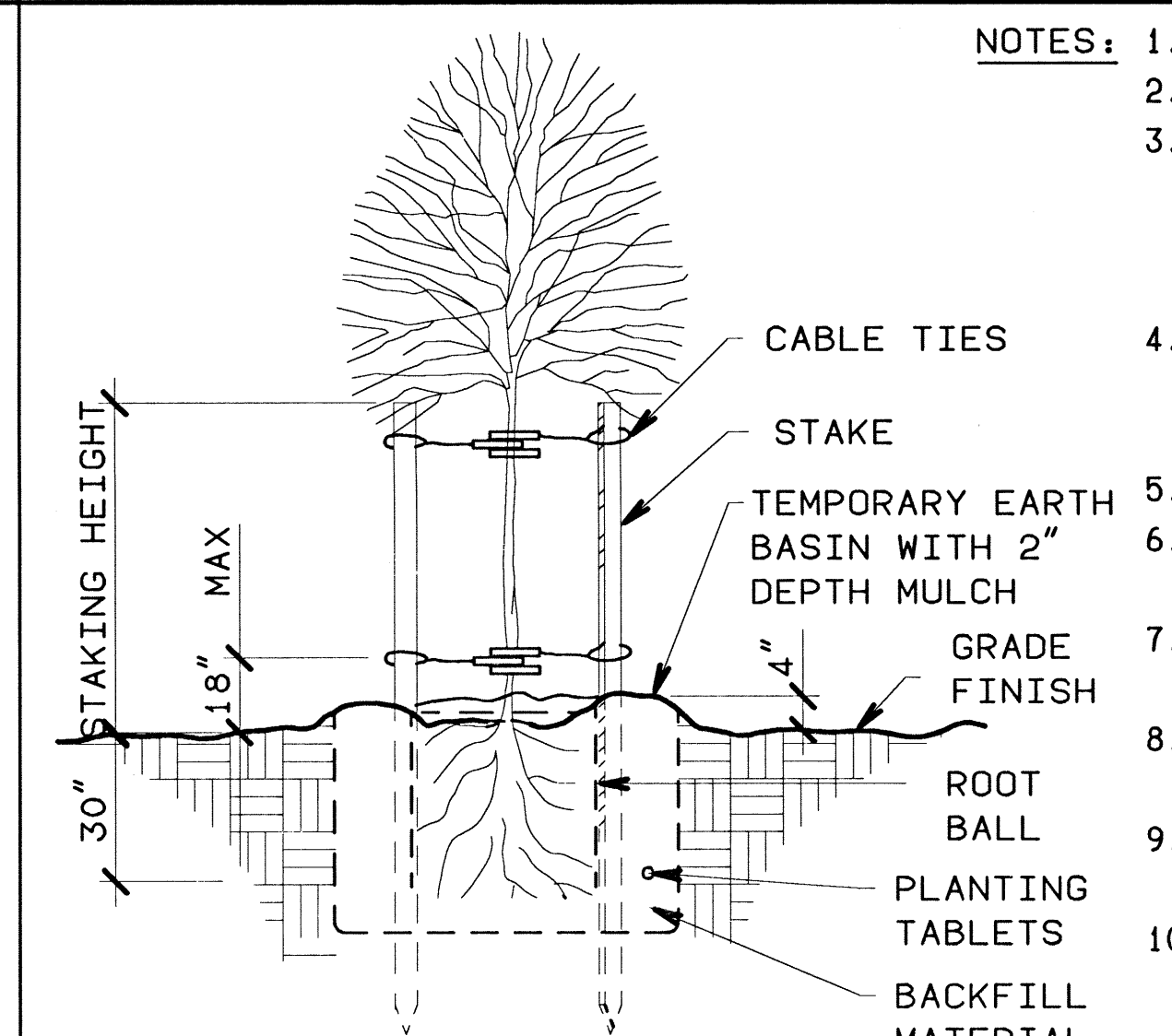


## GROUND COVER PLANTING DETAILS

SCALE: NONE

F  
L-1 L-2

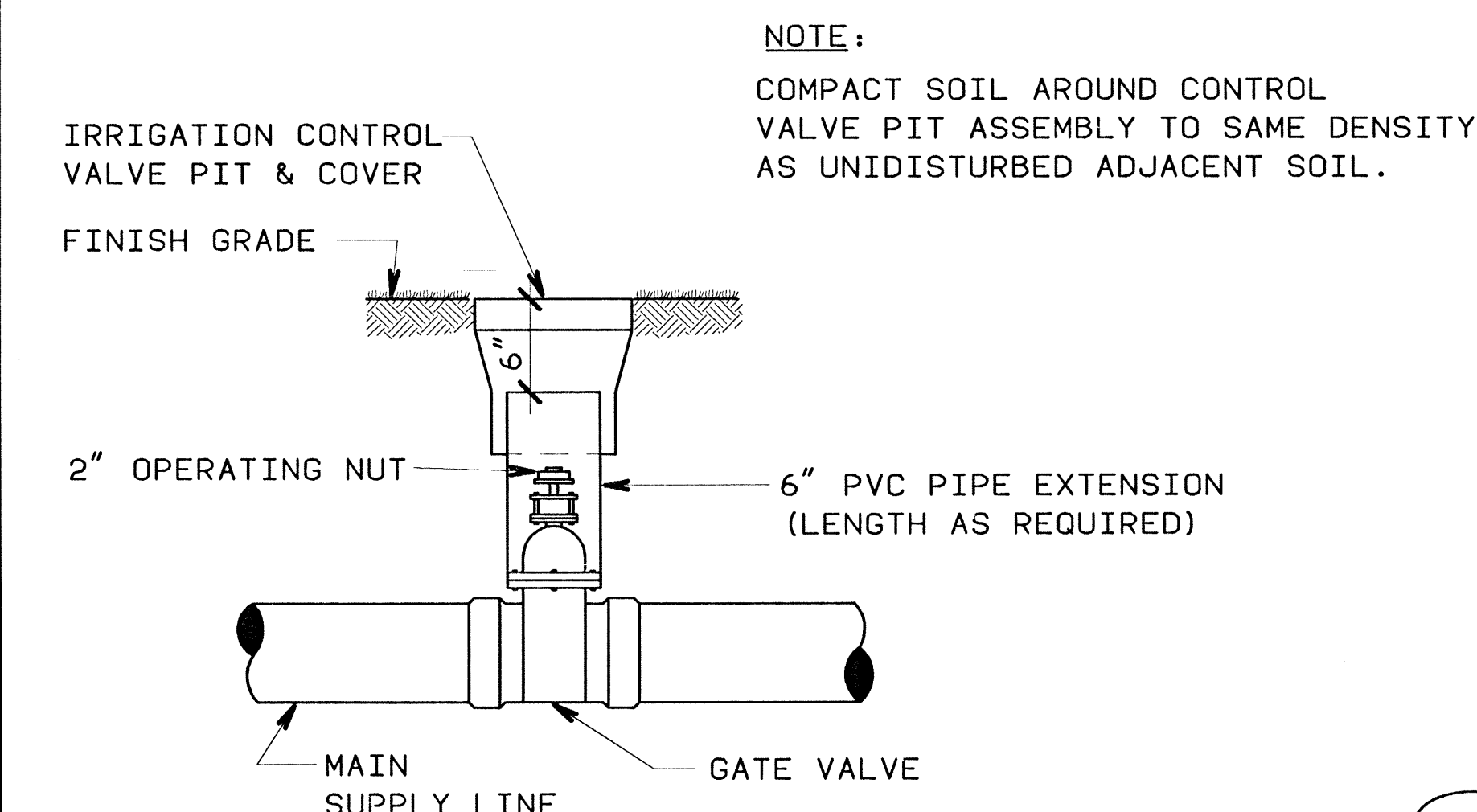
- NOTES:
1. PIT SIZE: TWICE AS WIDE AS ROOT BALL.
  2. PLANTING DEPTH: TOP OF ROOT BALL 1" ABOVE FINISH GRADE.
  3. BACKFILL MATERIAL: 50% NATIVE SOIL AND 50% SOIL AMENDMENT, WHICH SHALL BE A 90% BARK BASED PRODUCT, 0-1/4" SIZE, TREATED WITH NITROGEN, 1/2-0-0. CROWN THEN FIRM TO REDUCE SETTLING.
  4. PLANTING TABLETS: 7 GRAM PLANTING TABLETS. USE 9 FOR 5 GAL. SIZE; 15 FOR 15 GAL. / SIZE; 16 FOR 24" BOX SIZE AND 20 FOR 36" BOX SIZE.
  5. EARTH BASIN: DIAMETER 12" LARGER THAN ROOT BALL.
  6. MULCH: UNTREATED 90% BARK BASE PRODUCT, 1/4" - 5/8" SIZE; COMMONLY KNOWN AS PATHWAY OR MINIATURE BARK.
  7. VITAMIN B-1: APPLY AS PER MANUFACTURER'S INSTRUCTIONS WITH SECOND WATERING OF THE BASIN.
  8. STAKES: 2" x 2" x 8" REDWOOD STAKES OR LODGEPOLE PINE STAKES, MIN. 3 PER TREE.
  9. STAKING HEIGHT: SUFFICIENT TO SUPPORT TRUNK IN VERTICAL, UNBENDING POSITION WHEN SECURED WITH CABLE TIES.
  10. CABLE TIES: 1/16" x 1/8" PLASTIC COATED CABLE, LENGTH AS REQUIRED. CABLE SHALL BE INSERTED THROUGH 8" LONG HOSE SECTION AND PLACED AROUND TREE TRUNK.
  11. STAKING: MAY NOT BE REQUIRED ON ALL TYPES OF TREES. AS DETERMINED BY CONTRACTING OFFICER.



## TREE PLANTING DETAIL

SCALE: NONE

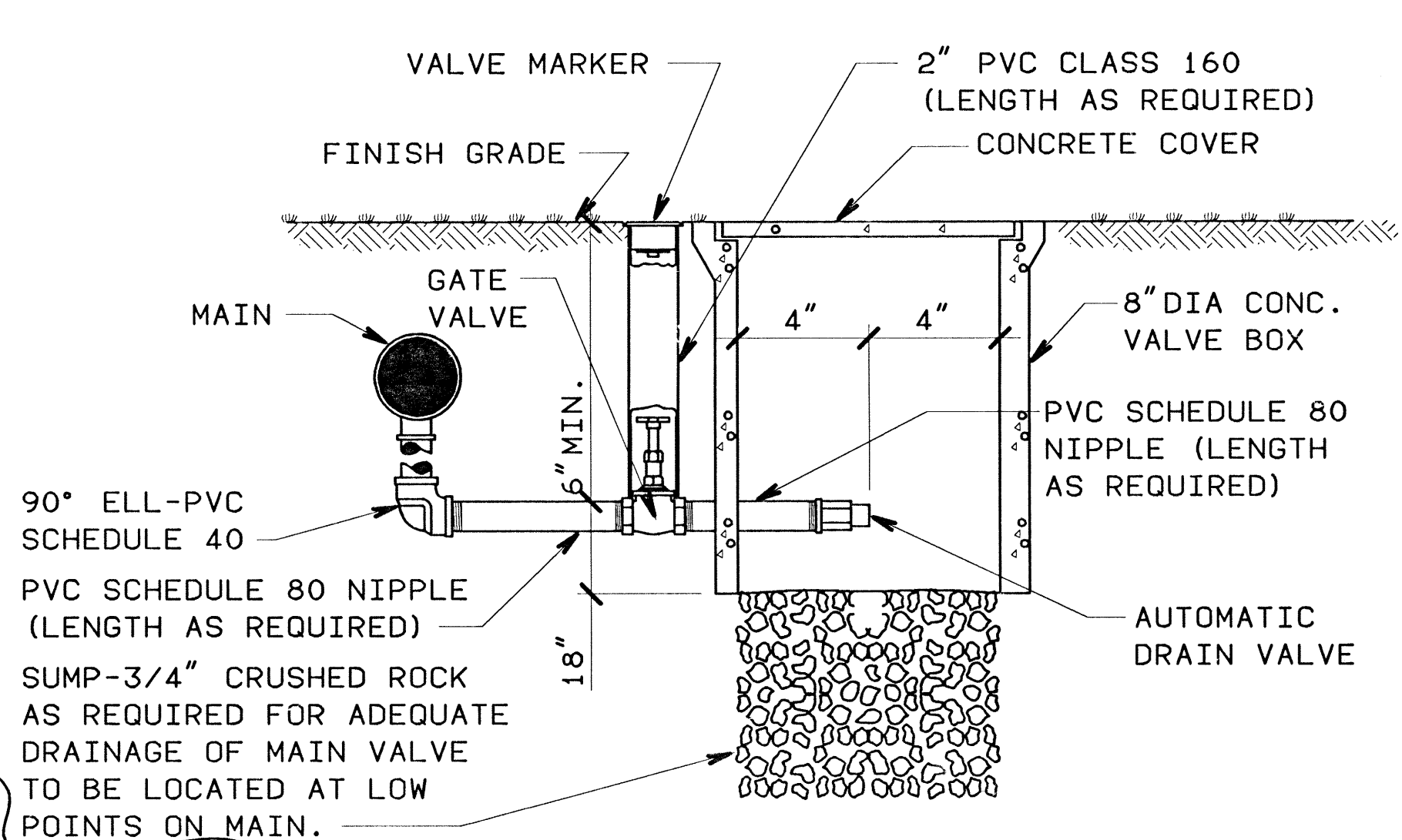
G  
L-1 L-2



## GATE VALVE ASSEMBLY DETAIL

SCALE: NONE

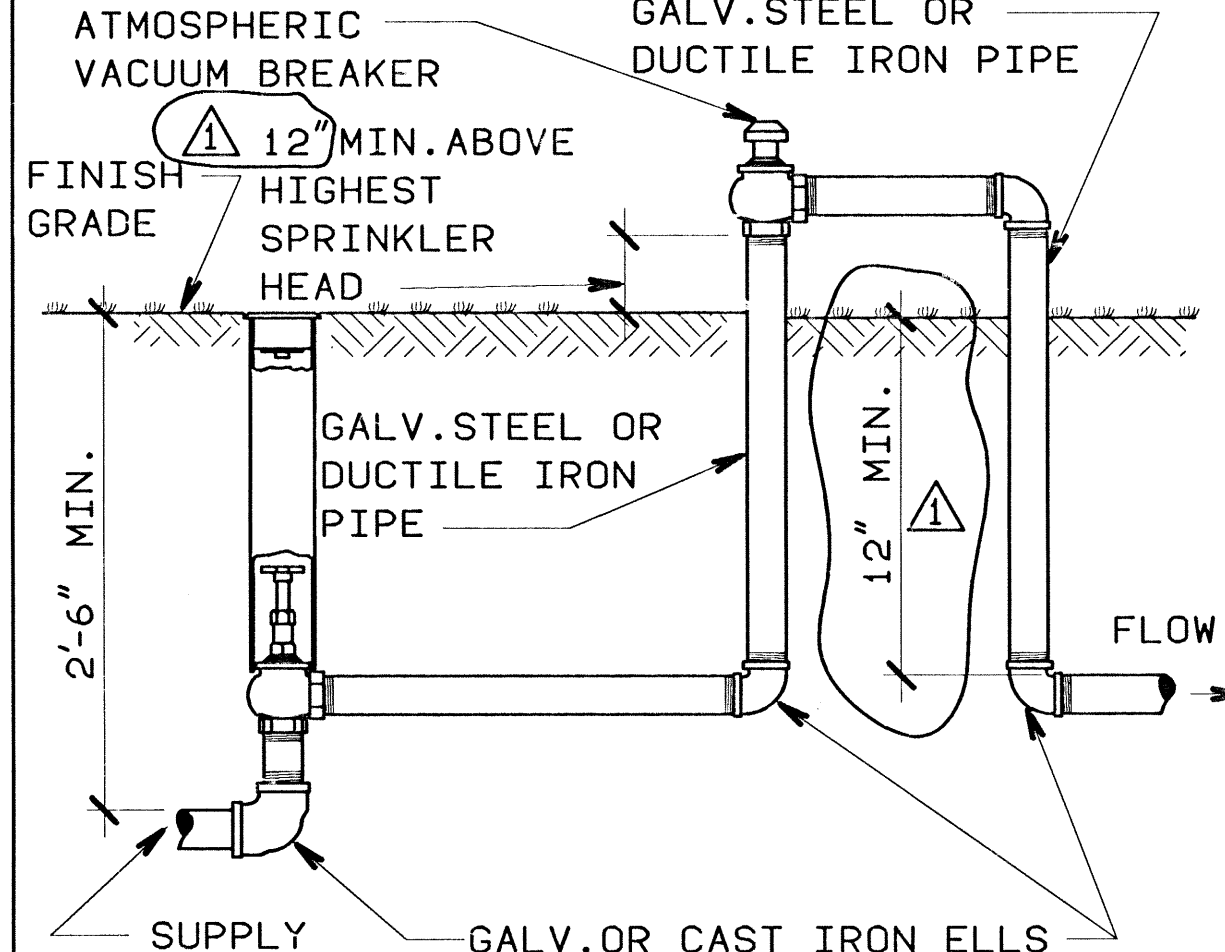
J  
L-1 L-2



## AUTOMATIC DRAIN VALVE ASSEMBLY

SCALE: NONE

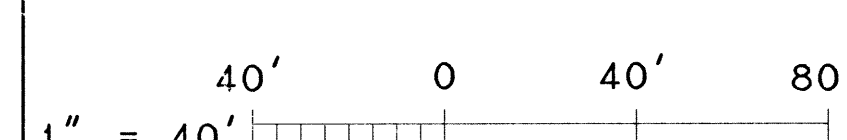
K  
L-1 L-2



## VACUUM BREAKER DETAIL

SCALE: NONE

L  
L-1 L-2

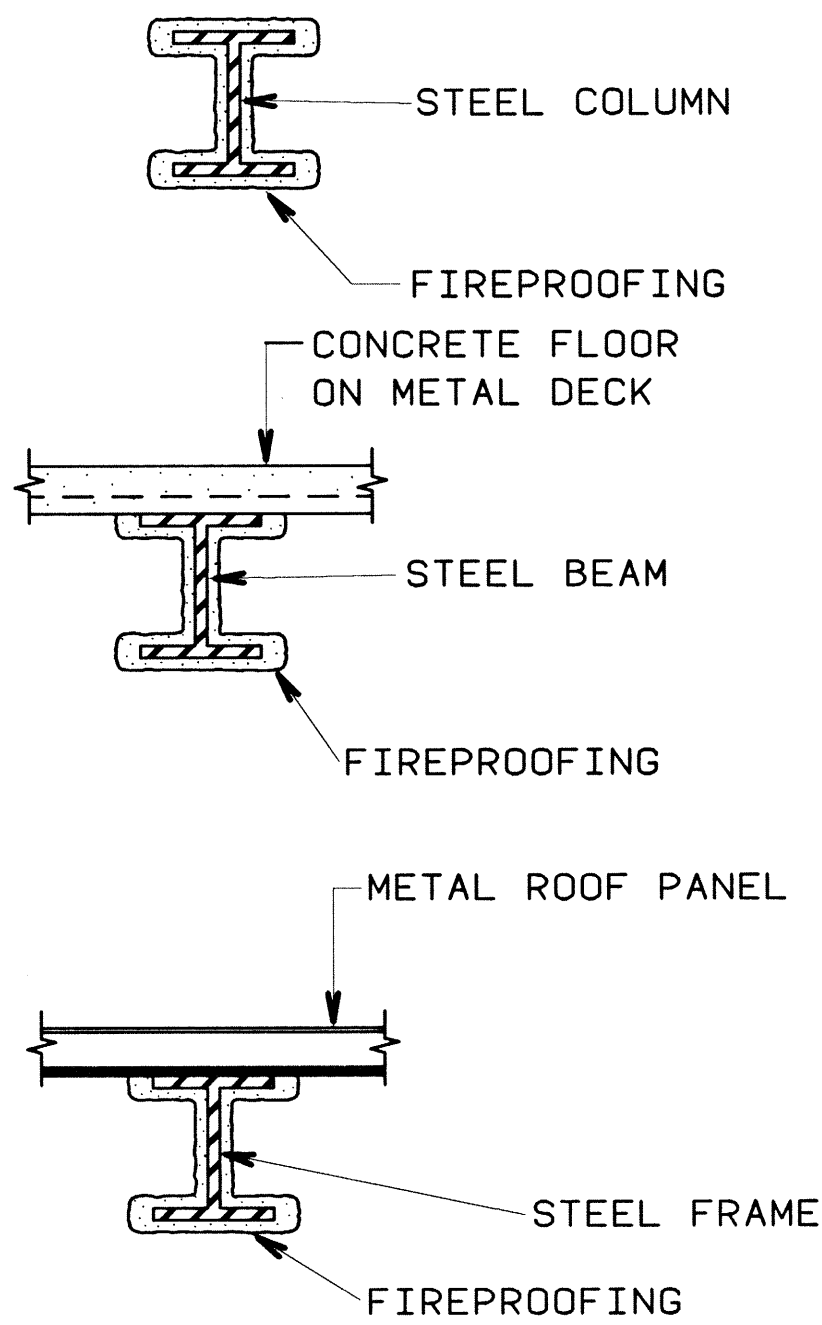


REVISION	DATE	DESCRIPTION	BY
11/25/92		MISCELLANEOUS REVISIONS	CA
<b>NORMAN ENGINEERING CO.</b> CONSULTING ENGINEERS LOS ANGELES, CALIFORNIA			
DESIGNED: J. MACIEJUNES DRAWN: J. LOVE CHECKED: O. ATIENZA SUBMITTED: 9/30/92			
DEPARTMENT OF THE ARMY SACRAMENTO DISTRICT, CORPS OF ENGINEERS SACRAMENTO, CALIFORNIA			
McCLELLAN AIR FORCE BASE ADAL DEPOT CORROSION CONTROL FACILITY			
<b>LANDSCAPE &amp; SPRINKLER SCHEDULES &amp; DETAILS</b>			
SCALE: 1"=40' SHEET: L-2 15 OF 95		SPEC No: 8529 FILE No: 100-25-2051	



FUNCTIONAL ANALYSIS - VE PAYS

FIREPROOFING



- NOTES:
1. PROVIDE METAL PANEL COVERS ON ALL EXPOSED PRIMARY STRUCTURAL MEMBERS WITH SPRAY-ON FIREPROOFING INSIDE ALL PLENUM AREAS.
  2. FIREPROOFING SHALL BE APPLIED TO ALL PRIMARY STRUCTURAL STEEL SHAPES (COLUMNS AND STRUCTURAL MEMBERS HAVING DIRECT CONNECTION TO COLUMNS) AND ALL FLOOR FRAMING STEEL SHAPES WITH THE EXCEPTION OF:  
A. GIRTS AND SAG-RODS  
B. FRAMES AROUND DOORS, WINDOWS AND LOUVERS

CODE ANALYSIS

UNIFORM BUILDING CODE 1988  
OCCUPANCY H-2/H-3/B-2  
TYPE OF CONSTRUCTION I-F.R.  
STRUCTURAL FRAME:  
EXTERIOR 4 HR  
INTERIOR 3 HR  
FLOORS 2 HR  
ROOF DECK (OVER 25'-0") NON-COMBUSTIBLE AND NON RATED  
PERMANENT PARTITIONS 1 HR

THIS BUILDING IS ONE HOUR CONSTRUCTION THRU-OUT UNLESS A MORE RESTRICTIVE CONSTRUCTION IS INDICATED

MAXIMUM ALLOWABLE AREA PER FLOOR W/60' MIN.  
OPEN YARDS ON 3 SIDES = 30,000 SQ. FT. (UBC 506 (A) (C)  
ACTUAL OCCUPIED AREA AS PER UBC:  
1. PAINT CELL 1 + PLENUMS = 26,977 SQ. FT.  
2. PAINT CELL 2 + PLENUMS = 26,977 SQ. FT.  
3. SERVICE BUILDING = 4,713 SQ. FT.

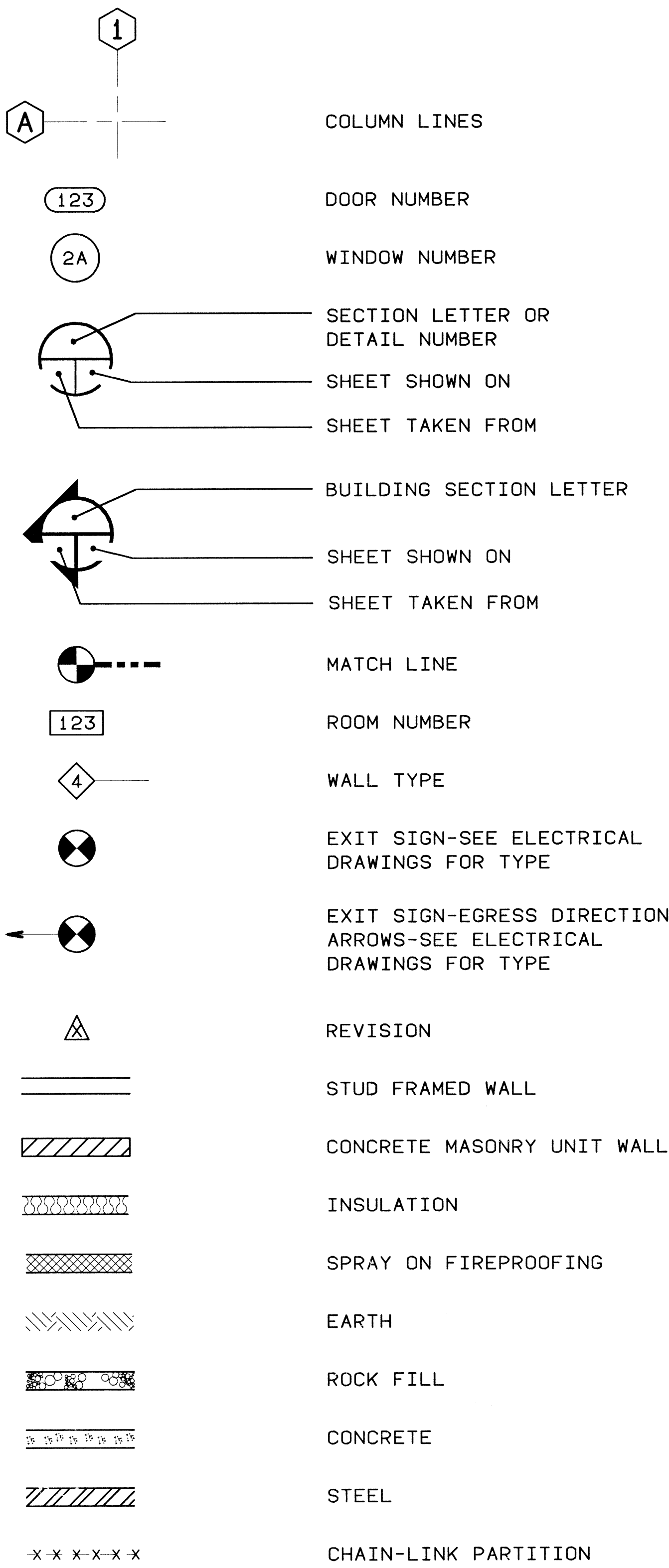
MAXIMUM ALLOWABLE HEIGHT = UNLIMITED (UBC TABLE 5-D)  
ACTUAL BLDG. HEIGHT = 36'-5"

SPRINKLERED = YES

ABBREVIATIONS

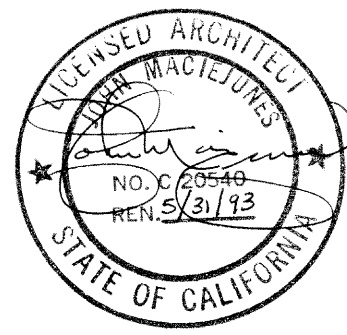
&	AND
@	AT
BLDG.	BUILDING
BOT.	BOTTOM
C.	CIRCUMFERENCE
C.I.	CAST IRON
CLG	CEILING
CLR	CLEAR, CLEARANCE
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
CT	CERAMIC TILE
D	DEEP
DIA	DIAMETER
DS	DOWNSPOUT
DWG	DRAWING
EA	EACH
EL	ELEVATION
ELEC	ELECTRICAL
ENGR	ENGINEER
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
FD	FLOOR DRAIN
FIN	FINISH
F.O.S.	FACE OF STUD
FLR	FLOOR
FM	FACTORY MUTUAL
FR	FIRE RESISTIVE
GA	GAUGE
GAL	GALLON
GALV.	GALVANIZED
GEN SUP	GENERAL SUPERVISOR
GYP BD	GYPSUM BOARD
H	HIGH
HID	HIGH INTENSITY DISCHARGE
HM	HOLLOW METAL
HR	HOUR
HW	HARDWARE GROUP
JAN	JANITOR
LAY-IN	SUSPENDED ACOUSTIC CEILING
LB	POUND
MAX.	MAXIMUM
MECH	MECHANICAL
MET	METAL
MFR	MANUFACTURER
MIN	MINIMUM
MOD	MODULAR PREFINISHED PANEL
MR&D	MANUFACTURING RESEARCH AND DEVELOPMENT
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
O.C.	ON CENTER
OPNG	OPENING
OPP.	OPPOSITE
R.	RADIUS
REINF	REINFORCED
RO	ROUGH OPENING
SC	SOLID CORE
SF	SQUARE FOOT
SPEC.	SPECIFICATION
STD	STANDARD
STOR	STORAGE
STRUCT	STRUCTURAL
STL	STEEL
SYM	SYMBOL
T.	TANK
TELE	TELEPHONE
T.O.G.	TOP OF GRATING
TOL.	TOLERANCE
T.O.S.	TOP OF STEEL
TYP	TYPICAL
THK	THICKNESS
T.S.	TUBULAR STEEL
UBC	UNIFORM BUILDING CODE
UL	UNDERWRITERS LABORATORIES
W	WIDE
WR	WATER RESISTANT
W/	WITH
WWF	WELDED WIRE FABRIC

SYMBOLS



GENERAL NOTES

- 1-ADDITIONAL NOTES, ABBREVIATIONS, SYMBOLS, AND CONVENTIONS ARE SHOWN ON CIVIL, UTILITY, LANDSCAPE, ARCHITECTURAL, STRUCTURAL, PLUMBING, FIRE PROTECTION, MECHANICAL AND ELECTRICAL SHEETS.
- 2-REFERENCING OF DRAWINGS IS FOR CONVENIENCE, AND SHALL NOT LIMIT APPLICATION OF ANY DRAWING OR DETAIL.
- 3-CLOSETS, VESTIBULES, COLUMNS, PARTITIONED- OFF PORTIONS, AND PROJECTIONS OR RECESSES IN FINISH SCHEDULED SPACES SHALL HAVE FINISHES AS SCHEDULED FOR THE ENCLOSING OR ADJACENT SPACE.
- 4-PROVIDE FURRING TO CONCEAL PIPING, DUCTS, CONDUITS AND FRAMING IN FINISHED SPACES.
- 5-VERTICAL DIMENSIONS ARE TO TOP OF CONCRETE NOT TO TOP OF FLOOR COVERING.
- 6-HORIZONTAL DIMENSIONS ARE TO FACE OF CONCRETE, MASONRY, GIRTS AND STUDS, AND TO THE CENTERLINE OF COLUMNS. (UNLESS OTHERWISE NOTED)
- 7-USE NOTED DIMENSIONS - DO NOT SCALE.
- 8-EXIT DOOR SHALL BE OPERATIONABLE FROM INSIDE WITHOUT USING A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
- 9-EXITS SHALL BE ILLUMINATED AT ANY TIME THE BUILDING IS OCCUPIED WITH LIGHT HAVING INTENSITY OF NOT LESS THAN 1 FOOTCANDLE AT FLOOR LEVEL.
- 10-EXIT SIGNS SHALL BE INSTALLED AT REQUIRED EXIT DOORWAYS TO CLEARLY INDICATE THE DIRECTION OF EGRESS. REFER TO ELECTRICAL PLANS FOR LOCATION.
- 11-THERE SHALL BE A FLOOR OR LANDING ON EACH SIDE OF A DOOR. THE FLOOR OR LANDING SHALL BE NOT MORE THAN 1/2 INCH LOWER THAN THRESHOLD OF THE DOORWAY. WHEN DOORS OPEN OVER LANDINGS, THE LANDING SHALL HAVE A LENGTH OF NOT LESS THAN 5 FEET.
- 12-LATCHING & LOCKING DOORS THAT ARE HAND ACTIVATED SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, BY PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE.
- 13-DELETED
- 14-DELETED
- 15-FIRE RATED WALLS SHALL MEET OR EXCEED THE FOLLOWING RESEARCH REPORTS:  
1 HOUR - UL DESIGN NO. U465  
1 HOUR - UL DESIGN NO. U412  
4 HOUR UL DESIGN NO. 435
- 16-RATED CORRIDOR CEILING SHALL MEET OR EXCEED THE FOLLOWING RESEARCH REPORTS:  
1 HOUR - UL NO. G531  
UL NO. L524 } SEE A-2 FOR LOCATIONS
- 17-TRUSSES, BEAMS, COLUMNS, GIRTS AND CROSS BRACING SHOWN ON ARCHITECTURAL DRAWINGS ARE DIAGRAMMATIC. SEE STRUCTURAL DRAWINGS FOR EXACT SIZES AND LOCATIONS.
- 18-ALL GYPSUM WALL BOARD SHALL BE TYPE "X".
- 19-ALL GYPSUM BOARD IN PLENUM AREAS SHALL BE INSTALLED TIGHT FIT, WITHOUT SPACKLE OR TAPE OR ANY OTHER PAINT SURFACE PREPARATION.
- 20-EXTERIOR SPRAY PRINTING IS PROHIBITED WHEN THE WIND VELOCITY IS IN EXCESS OF (5) MILES PER HOUR, OR IF PROHIBITED UNDER THE TECHNICAL SECTION. REQUESTS TO SPRAY PAINT SHALL BE MADE IN WRITING AND SHALL INCLUDE A DETAILED EXPLANATION OF THE PROTECTIVE MEASURES THE CONTRACTOR PROPOSES TO USE TO PROTECT PERSONNEL AND PROPERTY FROM OVER SPRAY. SPRAY PAINTING WILL NOT BE ALLOWED WHEN IN THE OPINION OF THE CONTRACTING OFFICER, THERE IS A REASONABLE CHANCE THAT OVERSPRAY WILL AFFECT PERSONNEL, EQUIPMENT, OR PROPERTY. APPROVAL OF THE SPRAY PAINTING BY THE CONTRACTING OFFICER WILL NOT, IN ANY WAY, MAKE THE GOVERNMENT RESPONSIBLE FOR, OR RELIEVE THE CONTRACTOR OF ANY RESPONSIBILITY FOR ANY DAMAGES CAUSED BY THE SPRAYING OPERATIONS.

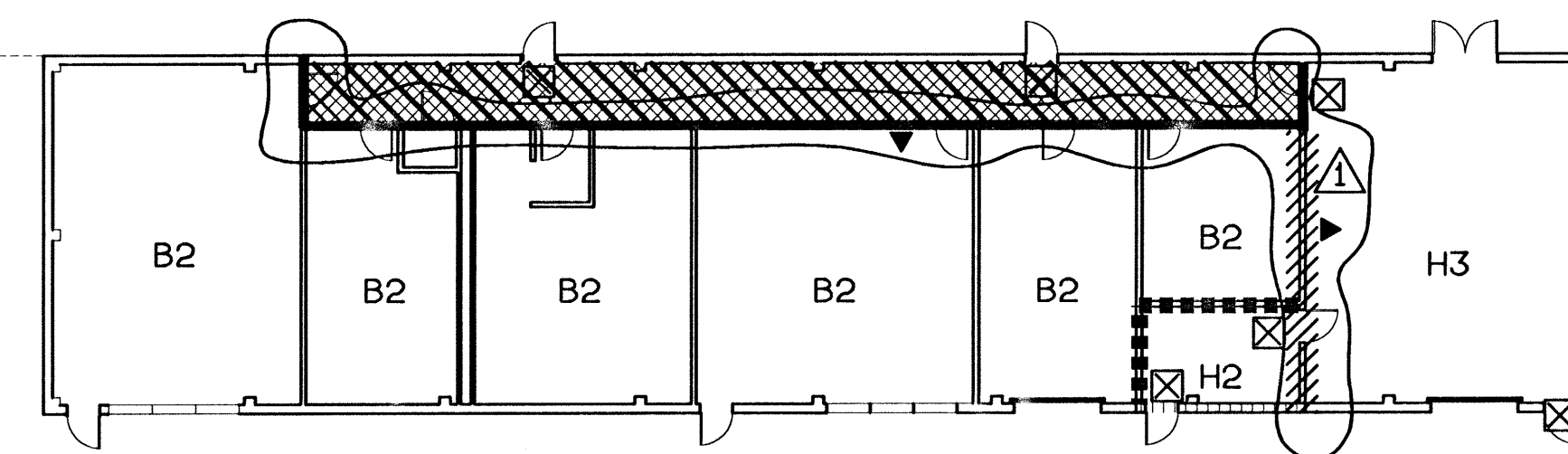
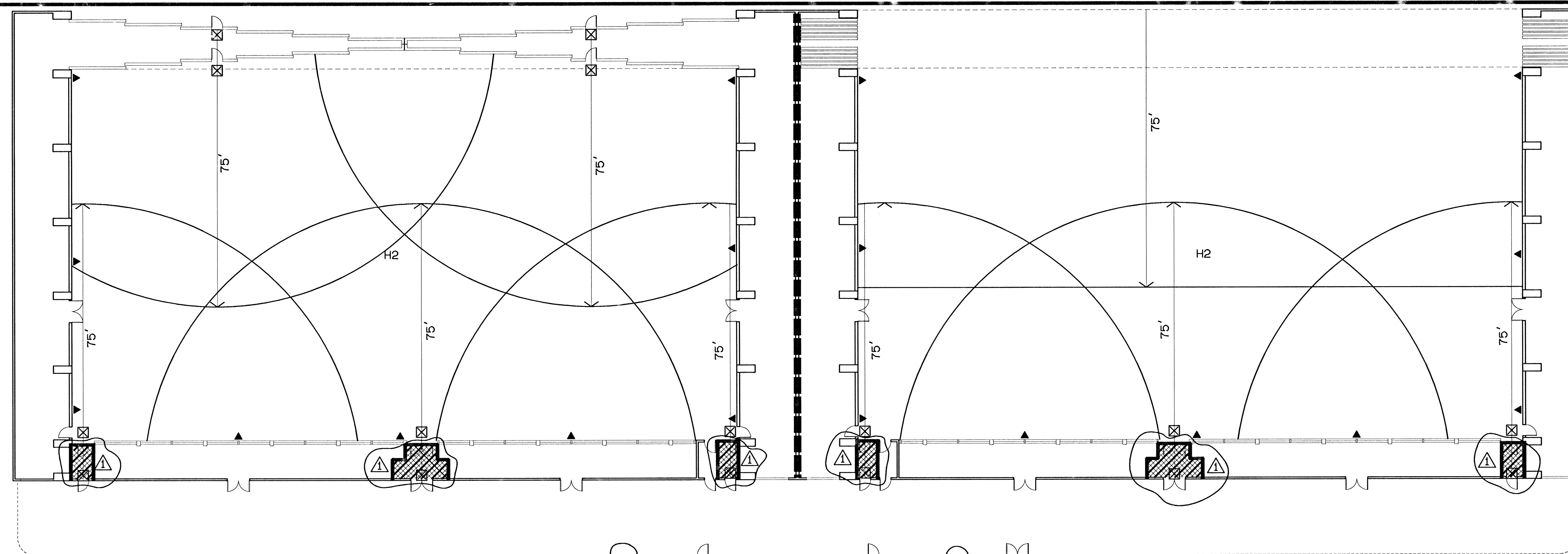


SIGNED ON BEHALF OF  
NORMAN ENGINEERING CO.

REVISION		DATE	DESCRIPTION	BY	BY
NORMAN ENGINEERING CO. DEPARTMENT OF THE ARMY CONSULTING ENGINEERS LOS ANGELES, CALIFORNIA SACRAMENTO DISTRICT, CORPS OF ENGINEERS SACRAMENTO, CALIFORNIA					
DESIGNED:	MCCLELLAN AIR FORCE BASE CALIFORNIA				
DRAWN:	ADAL DEPOT CORROSION CONTROL FACILITY				
CHECKED:	NEW AIRCRAFT PAINT FACILITY				
SUBMITTED:		DATE APPROVED:	SCALE:	SHEET	SPEC No.
9/30/92		9/30/92	A-1	16 OF 95	8529
100-25-2051					



# FUNCTIONAL ANALYSIS - VE PAYS



## LIFE SAFETY PLAN

SCALE:  $\frac{1}{16}'' = 1'-0''$

## LEGEND/SCHEDULE FOR LIFE SAFETY PLAN

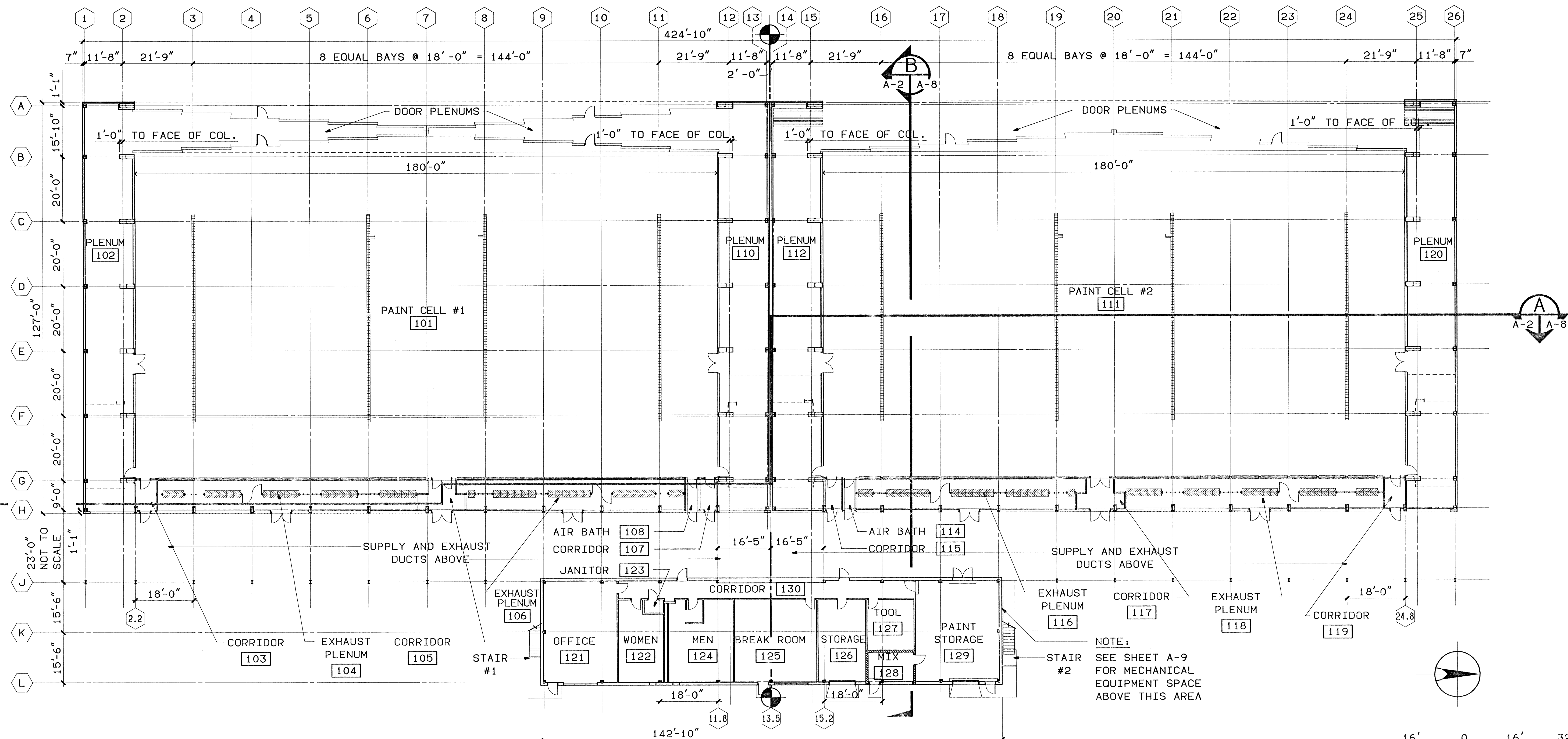
- FOR TYPE I FR CONSTRUCTION, ALL INTERIOR WALLS AND PARTITIONS ARE ONE HOUR CONSTRUCTION
- ONE HOUR OCCUPANCY SEPARATION WALL (UL NO. U465)
  - ONE HOUR CORRIDOR WALL (UL NO. U465)
  - TWO HOUR OCCUPANCY SEPARATION WALL (UL NO. U412)
  - FOUR HOUR AREA SEPARATION WALL (UL NO. U435)
  - 75 FOOT PATH TO EXIT (UBC 3320)
  - EXIT LOCATION
  - ONE HOUR RATED CORRIDOR CEILING (UL NO. L524, SYSTEM NO. 5)
  - ONE HOUR RATED CORRIDOR CEILING (UL NO. G531)
  - EXPLOSION VENTING WALL
- FOR FIRE RESISTIVE CONSTRUCTION REQUIREMENTS SEE CODE ANALYSIS ON SHEET A-1.
- FIRE EXTINGUISHER CABINET LOCATION  
(FIRE EXTINGUISHER SUPPLIED BY BASE FIRE DEPARTMENT)  
PORTABLE FIRE EXTINGUISHERS SHALL BE RATED 80B AND LOCATED NOT GREATER THAN 50 FEET APART IN ACCORDANCE WITH TABLE 3-3.1 OF NFPA 10 FOR EXTRA HAZARD, CLASS B FIRES.

## EXITING DATA AS PER NFPA 101

- 1.) CLASSIFICATION OF OCCUPANCY-INDUSTRIAL, SPECIAL PURPOSE
- 2.) OCCUPANT LOAD: 20-1.7. EXCEPTION: "IN A SPECIAL PURPOSE INDUSTRIAL OCCUPANCY, THE OCCUPANT LOAD SHALL BE THE MAXIMUM NUMBER OF PERSONS TO THE AREA UNDER ANY PROBABLE CONDITIONS". THE MAXIMUM NUMBER OF PERSONS AS SPECIFIED BY THE USING AGENCY IS 50, OF WHICH 35 ARE MALE AND 15 ARE FEMALE.
- 3.) EGRESS CAPACITY, LEVEL COMPONENT OF EXIT:  
HIGH HAZARD CLASSIFICATION AT 0.4" PER PERSON TIMES 6, 36" WIDE (MIN.) EXIT DOORS EQUALS 540 PERSONS.

## INTERIOR AIR PRESSURE DESIGN LOADS

SPACE	LB/SF	SPACE	LB/SF
102	+20	104	-25
110	+20	106	-25
112	+20	116	-25
120	+20	118	-25
DOOR PLENUMS	+3.5		



## DIMENSIONAL CONTROL PLAN

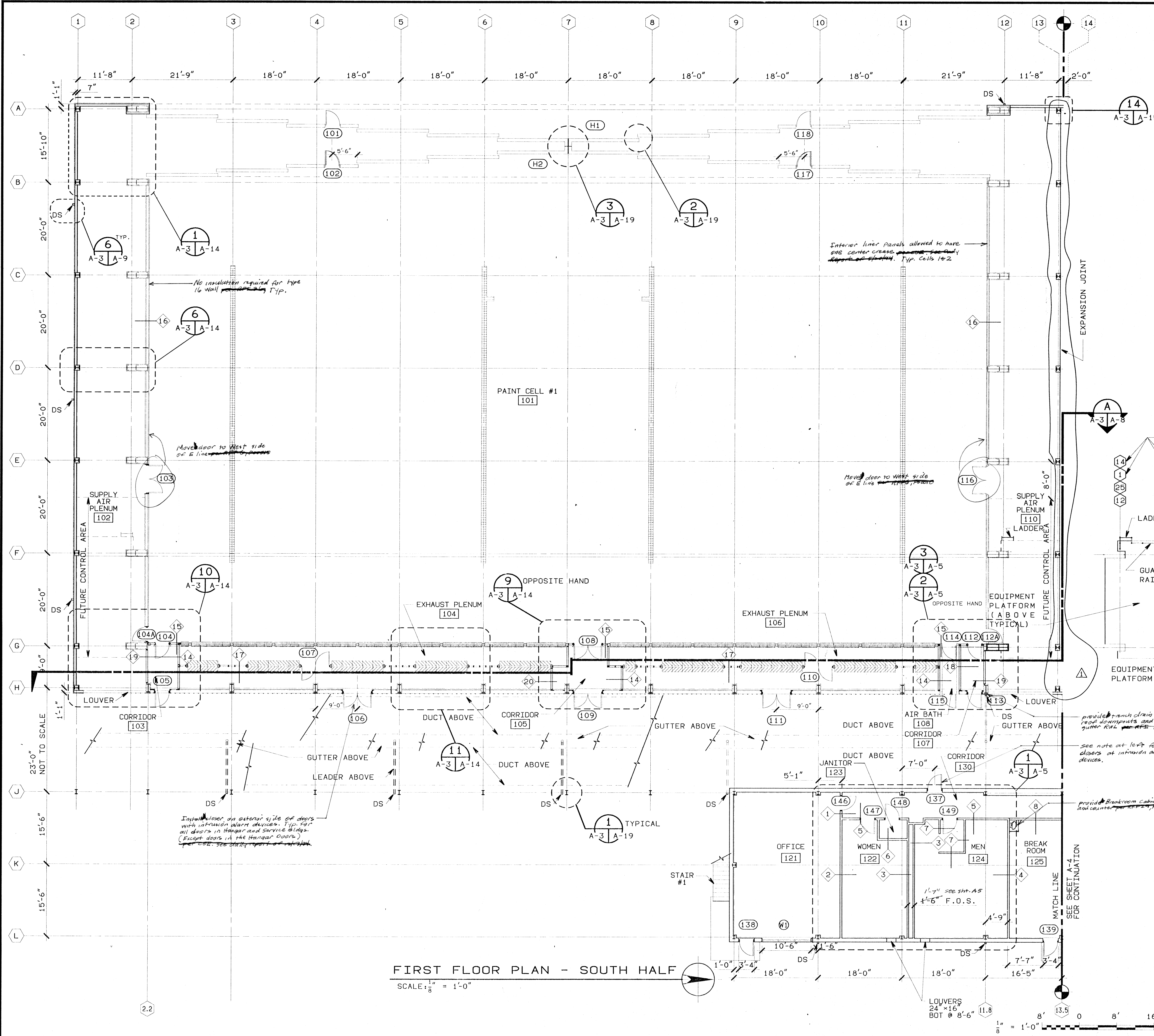
SCALE:  $\frac{1}{16}'' = 1'-0''$

## SAFETY PAYS

REVISION		DATE	DESCRIPTION	DA	BY
11/25/92			MISCELLANEOUS REVISIONS		
<b>NORMAN ENGINEERING CO.</b> CONSULTING ENGINEERS LOS ANGELES, CALIFORNIA					
DESIGNED: <b>J. MACIEJUNES</b> DRAWN: <b>O. ATIENZA</b> CHECKED: <b>M. SCHRIER</b>					
DEPARTMENT OF THE ARMY SACRAMENTO DISTRICT, CORPS OF ENGINEERS SACRAMENTO, CALIFORNIA					
McCLELLAN AIR FORCE BASE <b>ADAL DEPOT CORROSION CONTROL FACILITY</b> <b>NEW AIRCRAFT PAINT FACILITY</b> <b>LIFE SAFETY AND</b> <b>DIMENSIONAL CONTROL PLAN</b>					
SUBMITTED:		DATE:	APPROVED:	SHEET:	FILE NO.:
9/30/92				A-2	100-25-2051
SPEC NO.:		8529			



# FUNCTIONAL ANALYSIS - VE PAYS



- LEGEND/NOTES:**
- WALL TYPES SEE SHEET A-17.
  - DOOR NUMBER SEE SHEET A-18.
  - WINDOW NUMBER SEE SHEET A-18.

## KEY PLAN

NOT TO SCALE

FIRST FLOOR PLAN - SOUTH HALF

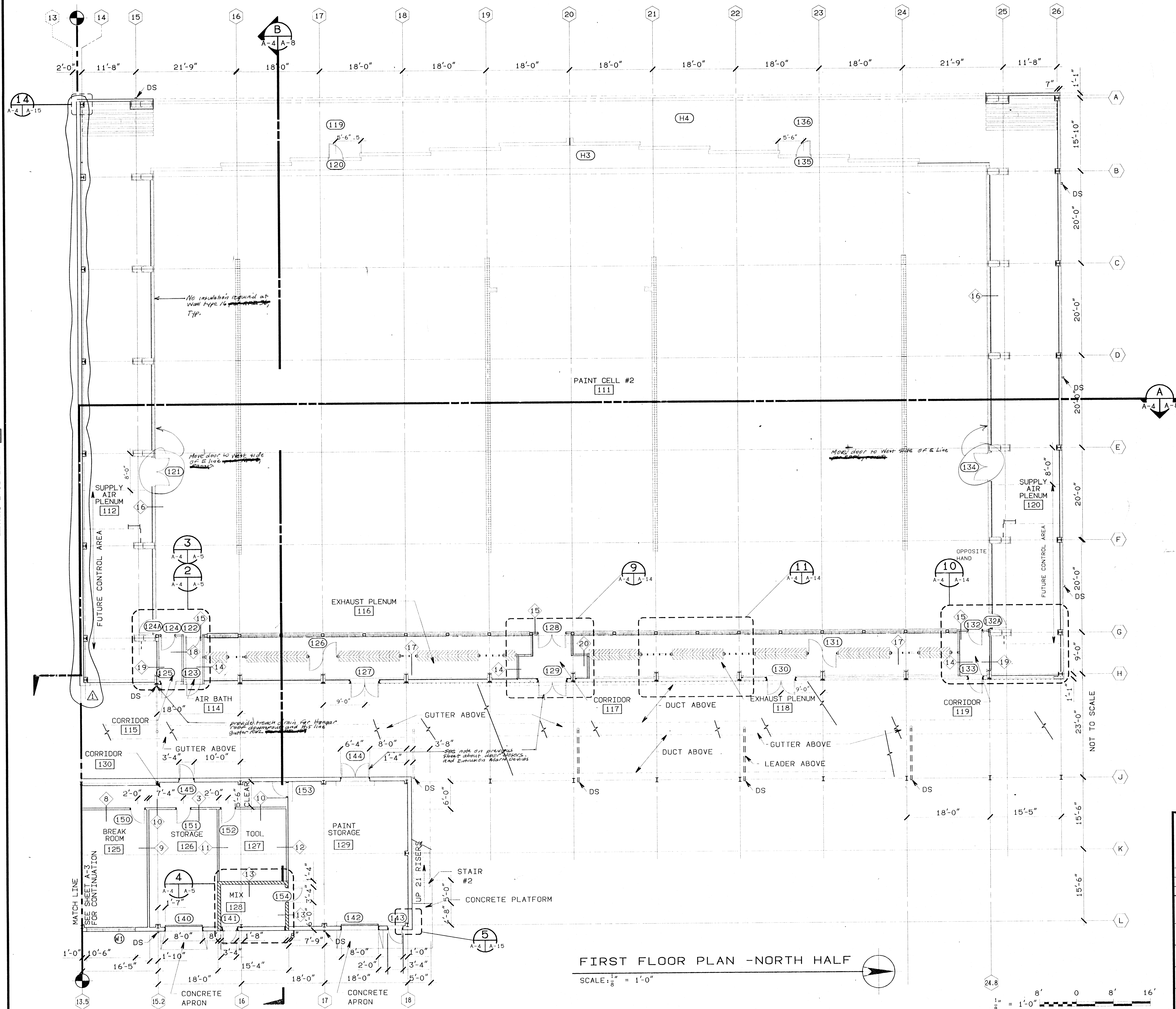
SCALE: 1/8" = 1'-0"

DESIGNED BY J. MACIEJUNES	DATE 11/25/92	DELETED WALL	BY OA
NORMAN ENGINEERING CO. CONSULTING ENGINEERS LOS ANGELES, CALIFORNIA		DEPARTMENT OF THE ARMY SACRAMENTO DISTRICT, CORPS OF ENGINEERS SACRAMENTO, CALIFORNIA	
PROJECT MCCLELLAN AIR FORCE BASE ADAL DEPOT CORROSION CONTROL FACILITY		CALIFORNIA	
DRAWN BY J. LOVE		FLOOR PLAN - SOUTH HALF	
CHECKED BY O. ATIENZA		SPEC No. 8529	
SUBMITTED BY		DATE APPROVED 9/30/92	
SHEET A-3		FILE No. 100-25-2051	

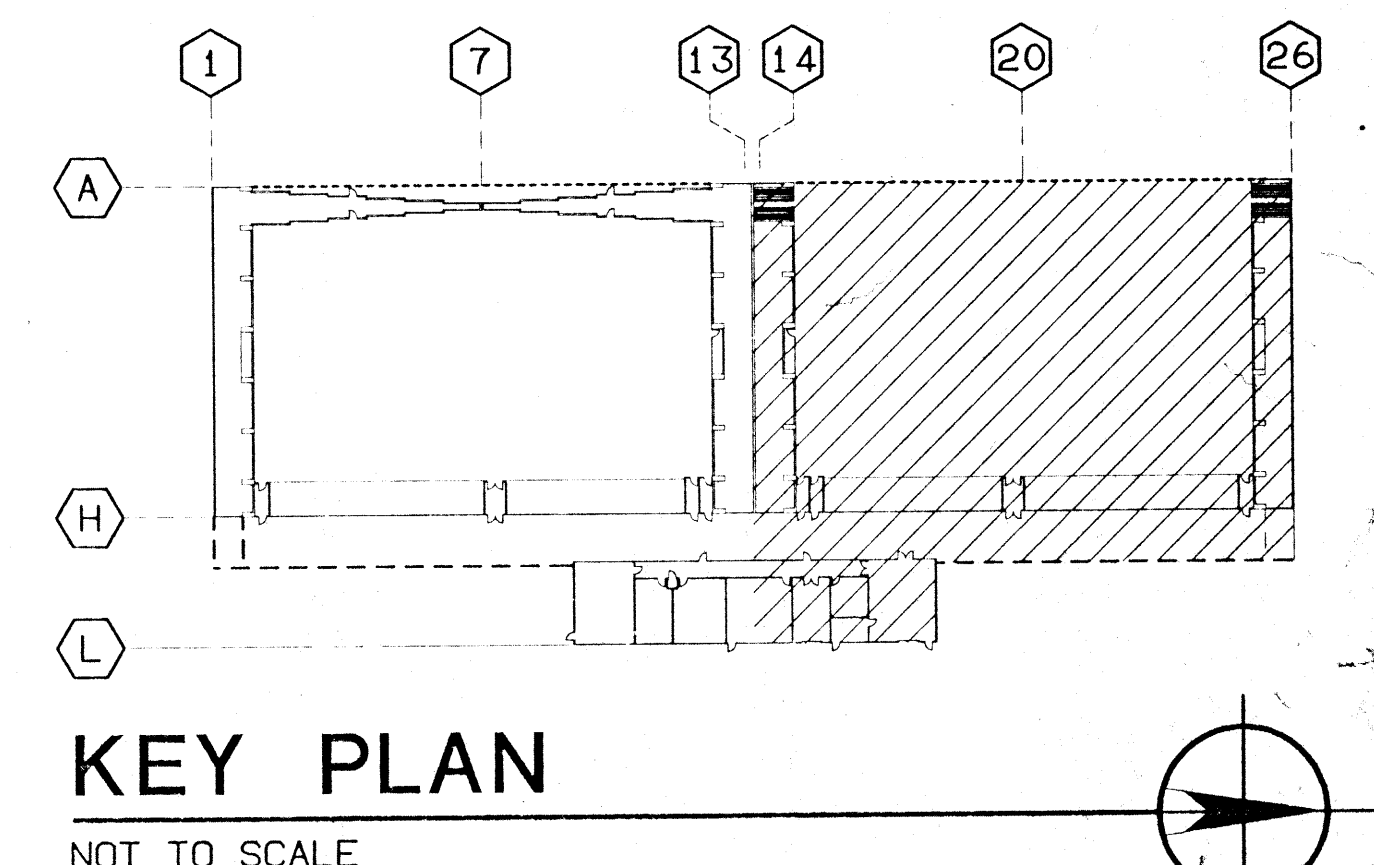
Am-2 DF



# FUNCTIONAL ANALYSIS - VE PAYS

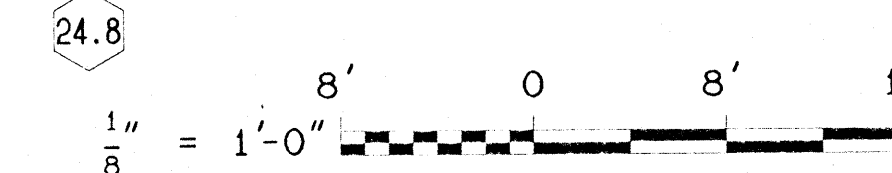


- LEGEND/NOTES:**
- WALL TYPES SEE SHEET A-17.
  - DOOR NUMBER SEE SHEET A-18.
  - WINDOW NUMBER SEE SHEET A-18.



FIRST FLOOR PLAN - NORTH HALF

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



11/25/92 REVISION DATE REVISION DATE		11/25/92 REVISED WALL DATE REVISED WALL DATE	
NORMAN ENGINEERING CO. CONSULTING ENGINEERS LOS ANGELES, CALIFORNIA		DEPARTMENT OF THE ARMY SACRAMENTO DISTRICT, CORPS OF ENGINEERS SACRAMENTO, CALIFORNIA	
DESIGNED BY J. MACIEJUNES		MCCLELLAN AIR FORCE BASE CALIFORNIA	
DRAWN BY J. LOVE		ADAL DEPOT CORROSION CONTROL FACILITY NEW AIRCRAFT PAINT FACILITY	
CHECKED BY O. ATIENZA		FLOOR PLAN - NORTH HALF	
SUBMITTED BY J. Love		DATE APPROVED 9/30/92	
SCALE: 1/8" = 1'-0"		SPEC No. 8529	
SHEET A-4		FILE No. 100-25-2051	