

LAKE HAVASU CITY POLICE HEADQUARTERS

LAKE HAVASU CITY, ARIZONA

Chuck Langerveld - Mayor Victor M. Wilkins - Chief of Police

Mike Dagon - Vice Mayor

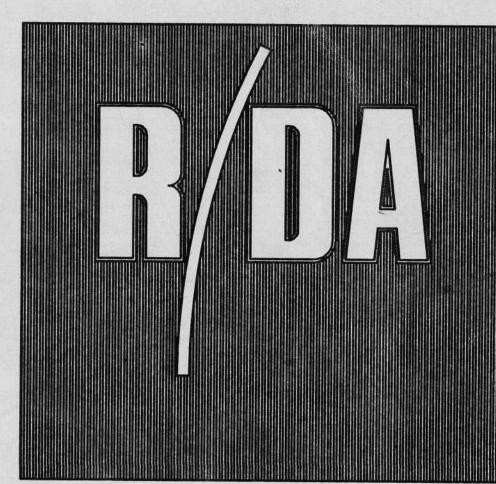
Linda Binder - Council Member

Conard O. Blevins - Council Member

Jack F. Crews - Council Member

Mary Laity - Council Member

Melanie Grinstead-Hanak - Council Member



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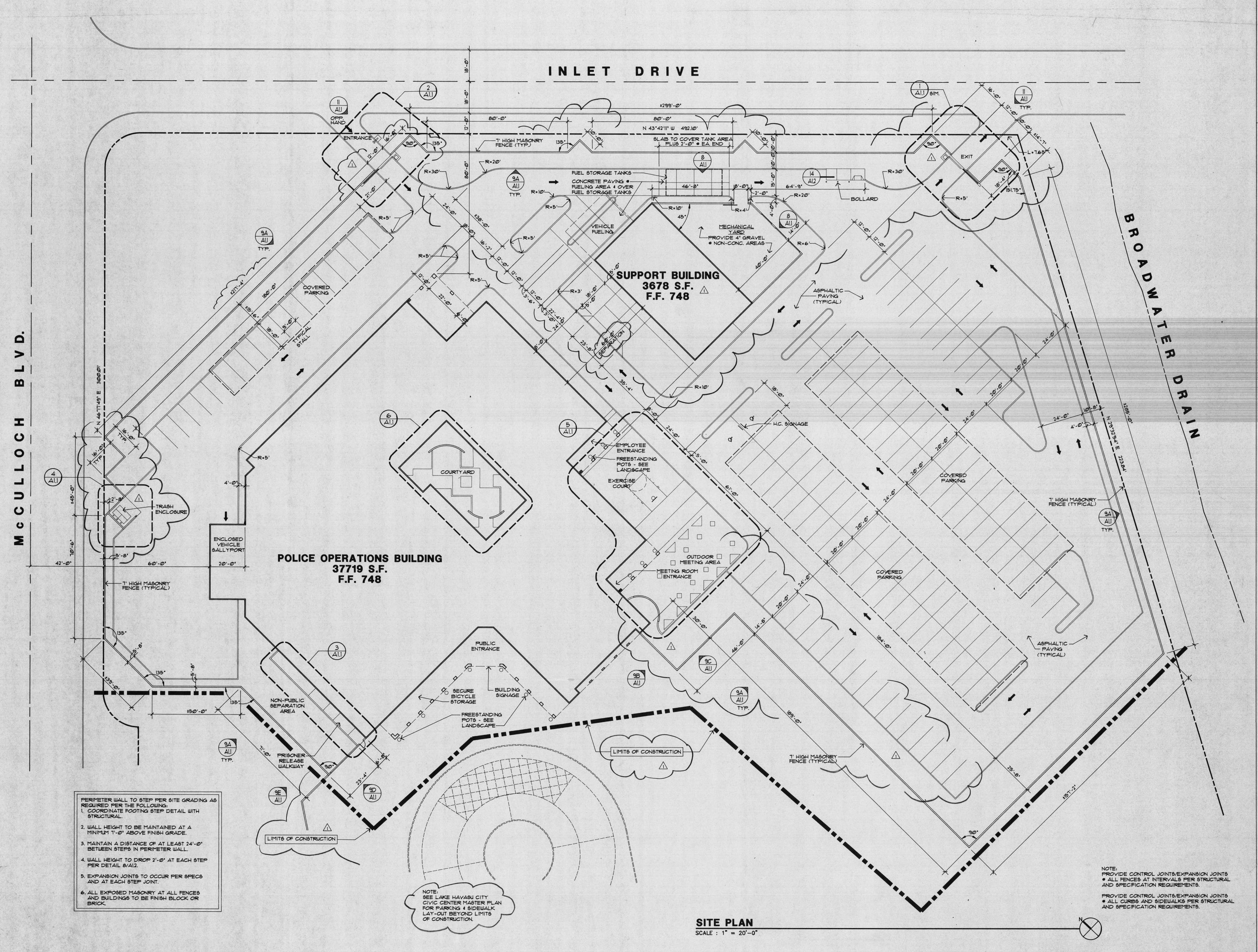
PROJECT MANAGMENT
Capital Improvement Associates, Inc.

CIVIL Norman Engineering Group

STRUCTURAL
Alagia Engineering Group

MECHANICAL, ELECTRICAL, & PLUMBING
Tesco, Inc.

KITCHEN CONSULTANT
Dave Keaggy & Assoc.





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KITCHEN CONSULTANT
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(602) 224-5571



PROJECT NAME

E HEADQUARTERS

HAVASH CITY ARIZONA

TE 110/18/91

ISSUED FOR DATE

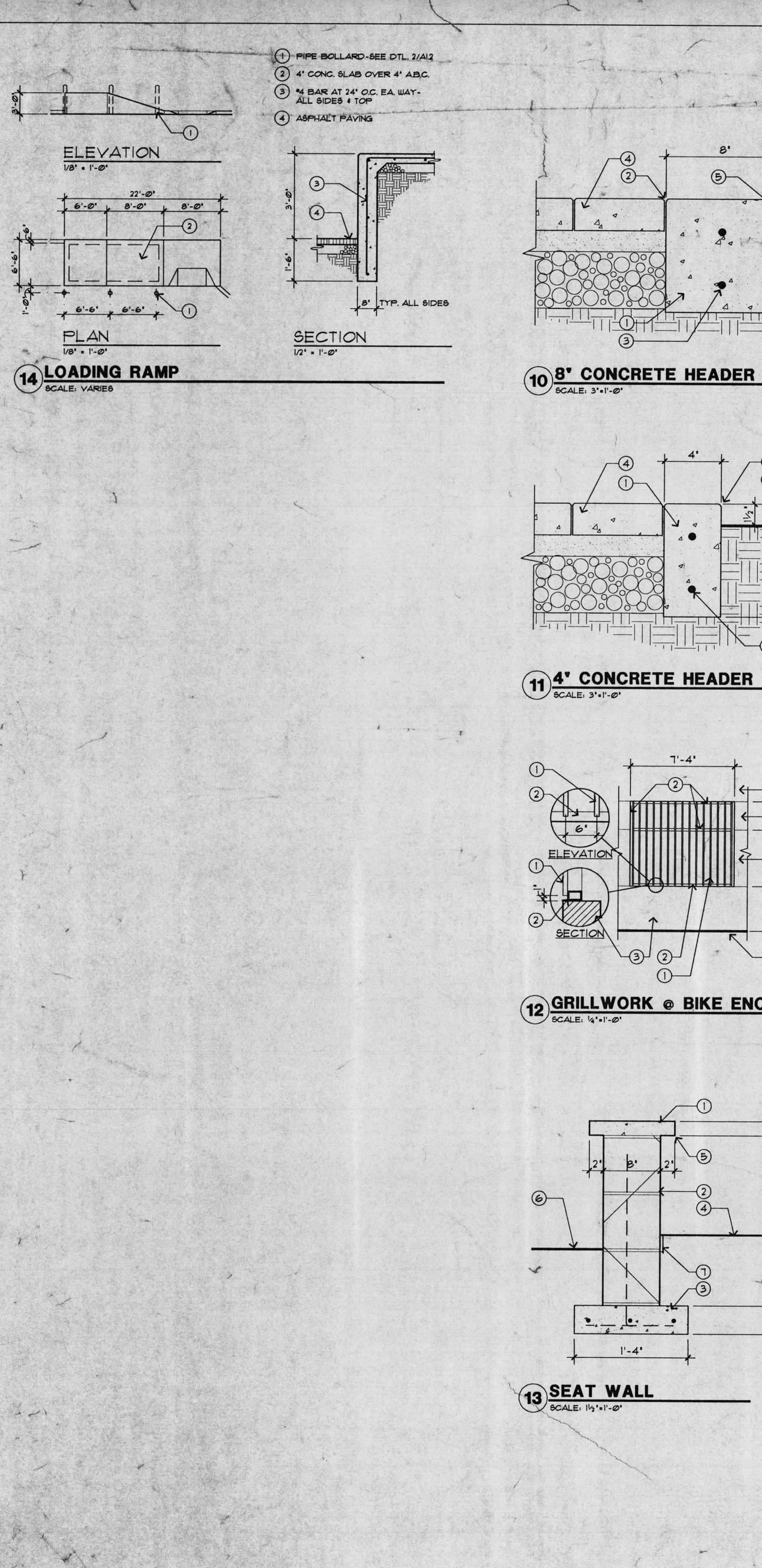
CITY COMMENTS 3-31-92

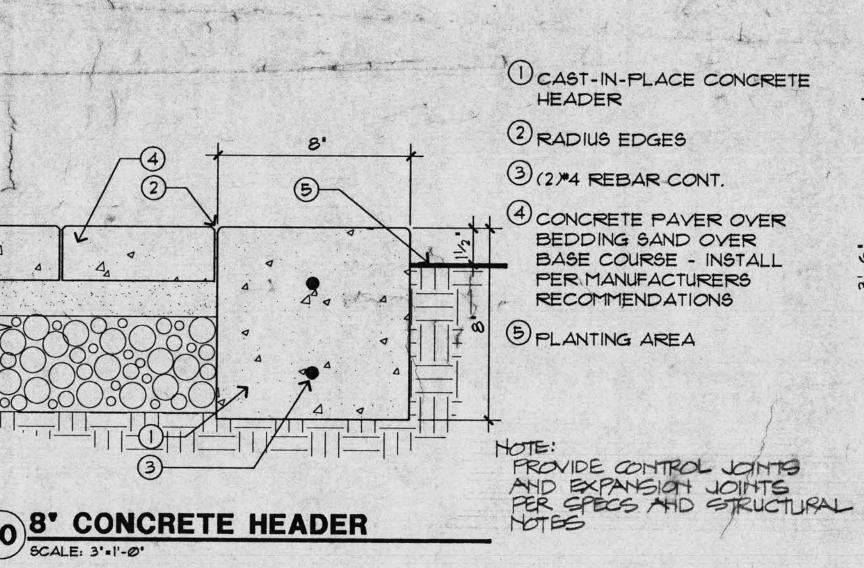
SHEET TITLE

SITE PLAN

SET NO.

A1.0





6-2'-0"

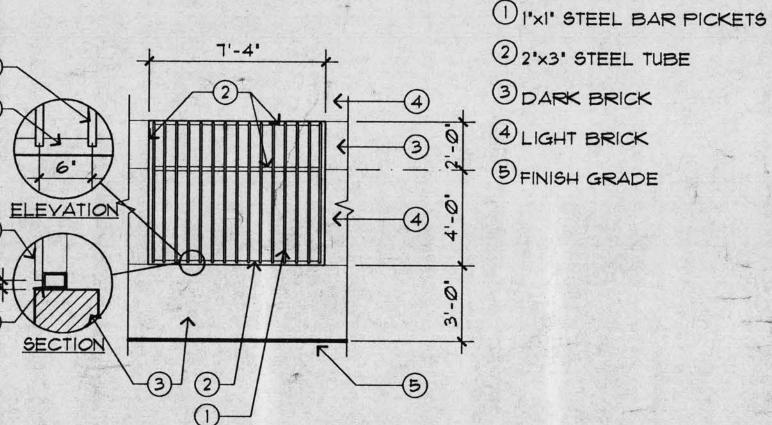
2 ALUMINUM FLASH COLLAR 3 3000 PSI CONCRETE (4) GALVANIZED STEEL FOUNDATION SLEEVE (5) DRY SAND TIGHTLY TAMPED AFTER ALIGNING POLE STEEL BASE PLATE WITH GROUND SPIKE STEEL CENTERING WEDGES 8 HARDWOOD WEDGES (REMOVE AFTER TAMPING SAND) 9 FINISH GRADE BLACK ASPHALTUM PAINT ON POLE SURFACE BELOW GRADE

1 ALUMINUM FLAGPOLE

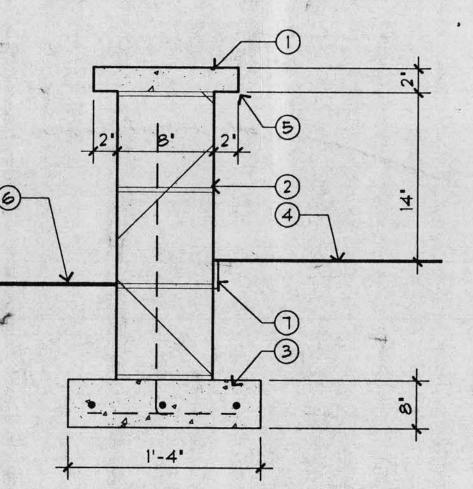
DCAST-IN-PLACE CONCRETE HEADER 2 RADIUS EDGES 3 (2)*4 REBAR CONT. 4 CONCRETE PAVER OVER BEDDING SAND OVER BASE COURSE - INSTALL PER MANUFACTURERS RECOMMENDATIONS 5 PLANTING AREA

6 FLAGPOLE BASE

PROVIDE CONTROL JOINTS
AND EXP. JOINTS PER SPECS
AND STRUCTURAL NOTES



12 GRILLWORK @ BIKE ENCLOSURE



PRE-CAST CONCRETE SEAT 14'-4' R & & a COURTYARD 11'-5' R & & MEETING AREA (2) 8×8×16 CMU SCORED BOTH SIDES

3 CONCRETE FOOTING W/ (3) *4 REBAR CONT. & VERTICAL DOWEL @ 24'O.C. W/ ALTERNATING BENDS - GROUT CELLS SOLID

4 PAVED SURFACE

5 ROUND ALL SEAT EDGES 6 PLANTING AREA

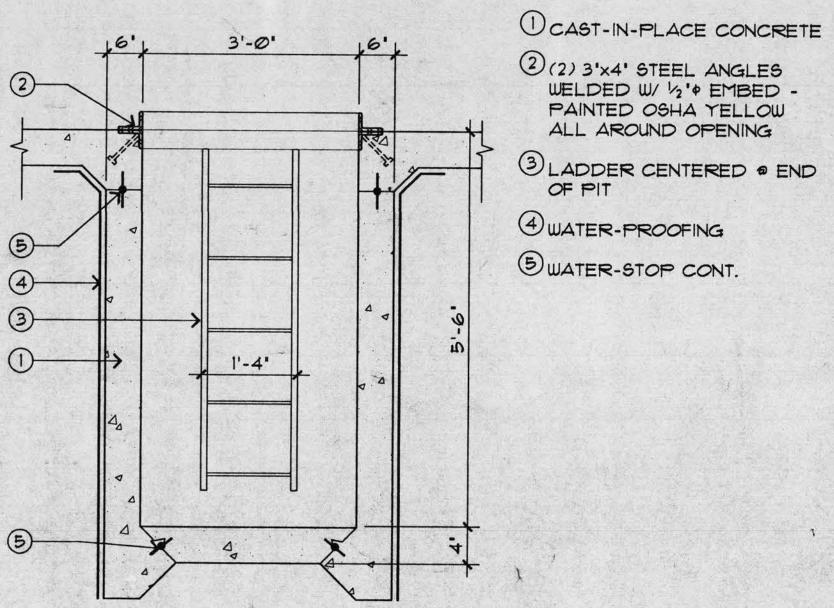
1 1/2" FIBROUS EXPANSION MATERIAL

1 8x8x16 CMU - SCORED 2 8x4X16 BRICK 3 FINISH GRADE 4 CONC. FOOTING - SEE STRUCTURAL PROVIDE CONTROL JOINTS AND EXPANSION JOINTS AS REQ'D PER SPECS AND STRUCTURAL HOTES 7 MASONRY FENCE

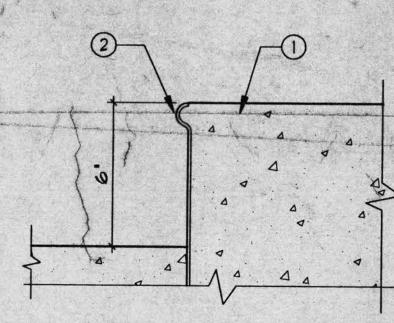
2 8x8x16 SCORED CMU BLOCK 3 8x4x16 BRICK 4 FINISH GRADE (5) CONTROL JOINT SEE NOTE ON SITE PLAN FOR MORE INFORMATION ABOUT WALL STEPPING.

1 2' CAP BLOCK TYP.

STEPPING DETAIL @ PERIMETER WALL



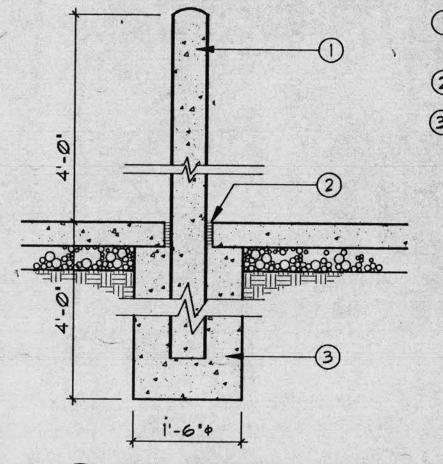
9 PIT @ H109 VEHICLE EVIDENCE



OCONCRETE ISLAND

2 METAL CURB EDGE

1 CURB DETAIL SCALE: 3'=1'-0'

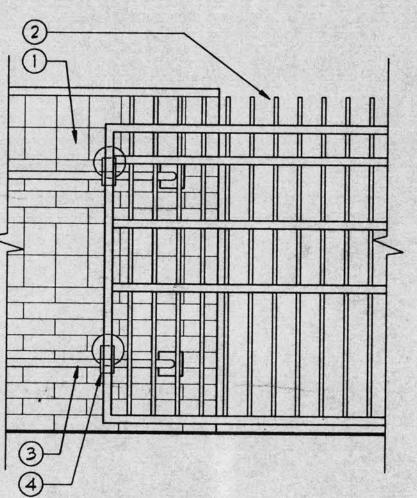


16 4 STL. PIPE BOLLARD-CONC. FILLED 2 EXPANSION MATERIAL

3 CONC. FOOTING

NOTE: PAINT ALL BOLLARDS BUILDING SPECIFIED BLUE

BOLLARD DETAIL



1 MASONRY WALL

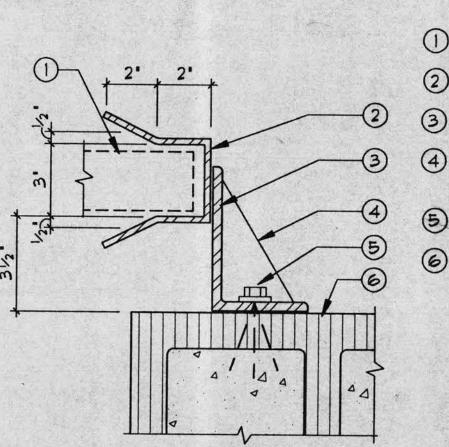
2 TUBE STEEL GATE

3 HEAVY DUTY PIPE ROLLER TRACK - SEAMLESS & WELDED TO MOUNTING PLATE

4 EXTRA HEAVY DUTY BALL BEARING REAR ROLLERS 6' MIN. W/ GREASE FITTINGS AND TRACK KEEPERS

> ALL MOUNTING LOCATIONS ANCHORS TO BE PER GATE FABRICATOR.

3 GUIDES @ GATE



1 SLIDING GATE

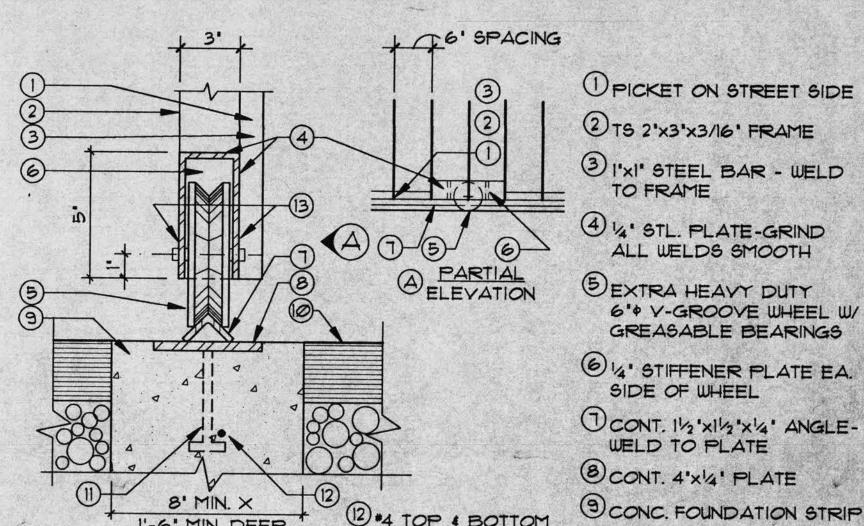
2 CONT. 4' PLATE YOKE 3 CONT. 6'x4'x36' ANGLE

4 4' STIFFENER PLATE 9 24' O.C. 5 1/2" + EXP. BOLT @ 24"O.C.

© CMU WALL

4 GATE RECEIVER

5 GATE WHEEL & TRACK



(2) TS 2'x3'x3/16' FRAME 3 I'xI' STEEL BAR - WELD TO FRAME

4 4' STL. PLATE-GRIND ALL WELDS SMOOTH (5) EXTRA HEAVY DUTY 6" + V-GROOVE WHEEL W/ GREASABLE BEARINGS

6 4" STIFFENER PLATE EA. SIDE OF WHEEL TOONT. 1/2 'x1/2 'x1/4" ANGLE-WELD TO PLATE

3 CONT. 4'x'4' PLATE (9) CONC. FOUNDATION STRIP 3 ACCESS HOLES FOR FLUSH PAVING GREASE FITTINGS

1 1/2 'x4' STUD # 24'O.C.

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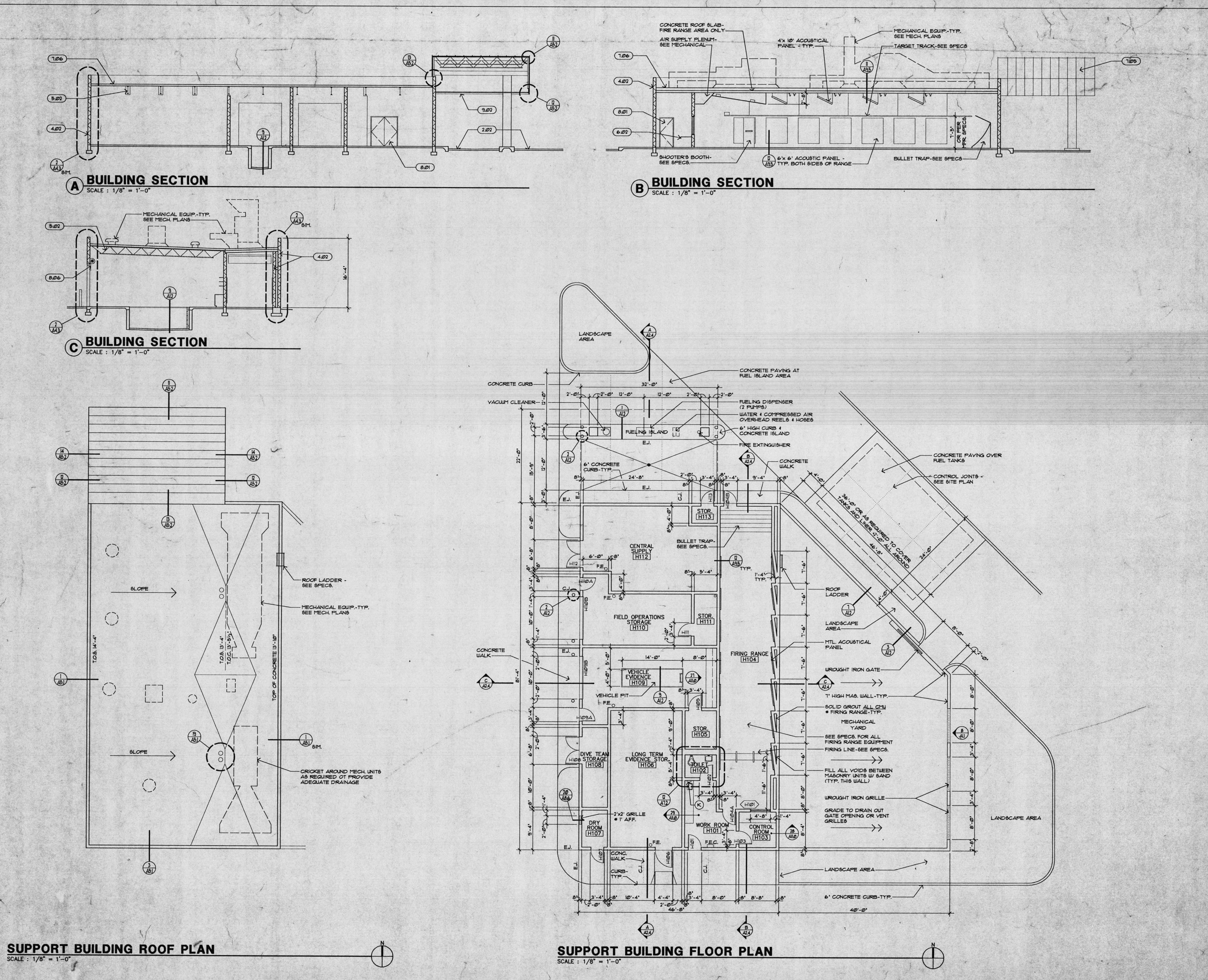
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(602) 264-1010 MECHANICAL, ELECTRICAL & PLUMBING

2122 West Indian School Road Phoenix, Arizona 85015 (602) 264-3070 KITCHEN CONSULTANT
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PROJECT NAME

DATE 12/18/91 ISSUED FOR DATE SITE DETAILS

A1.2



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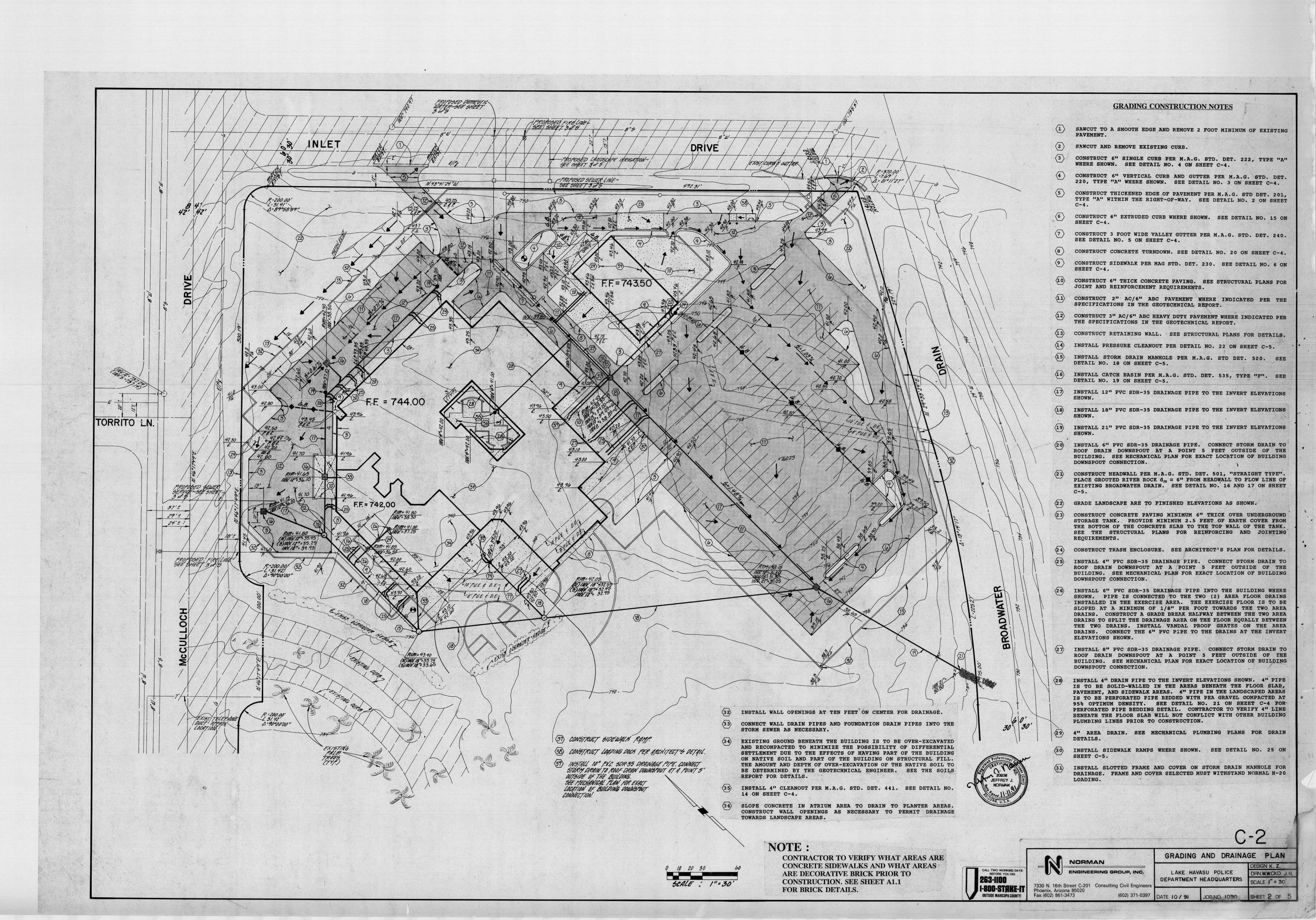


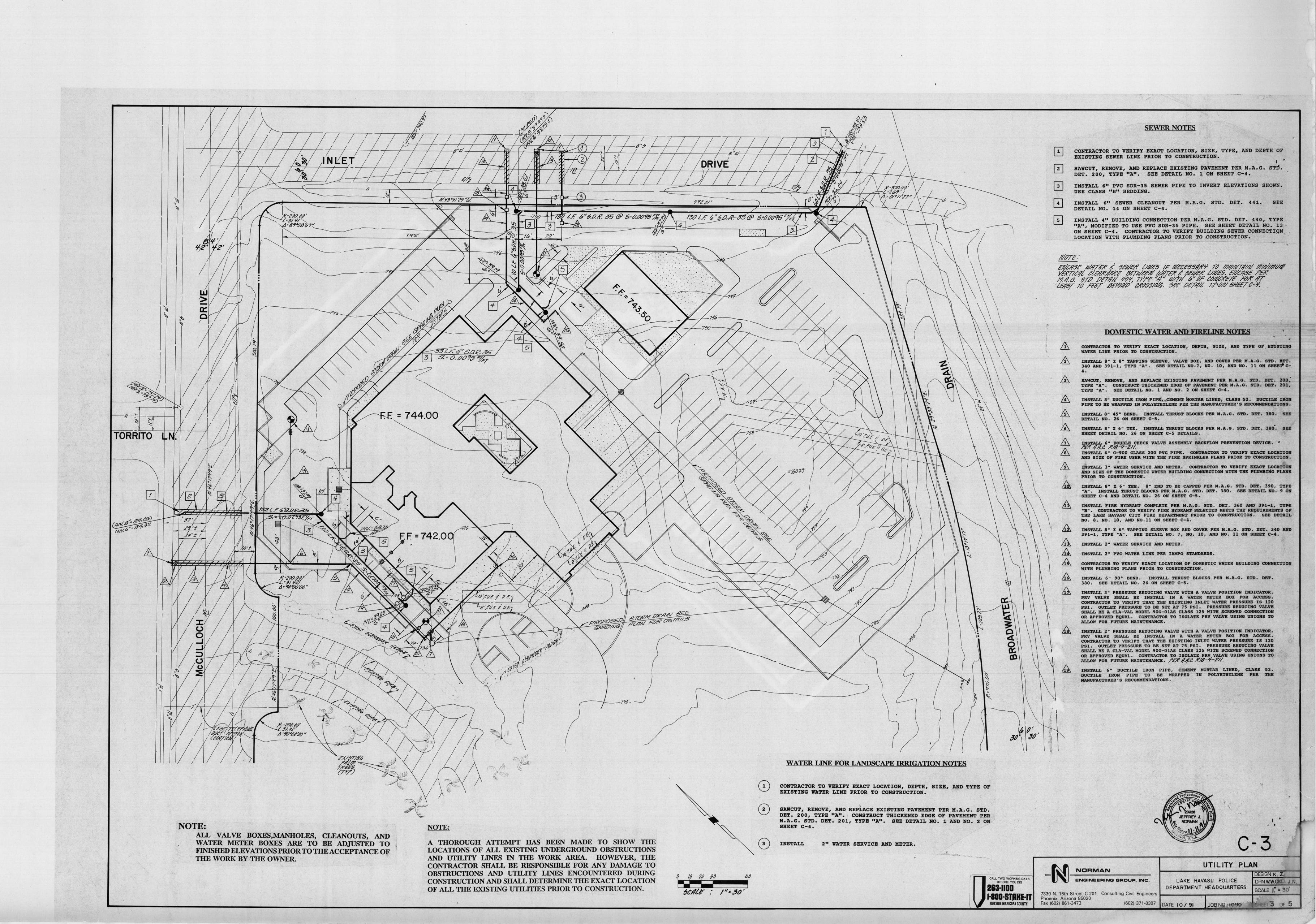
PROJECT NAME

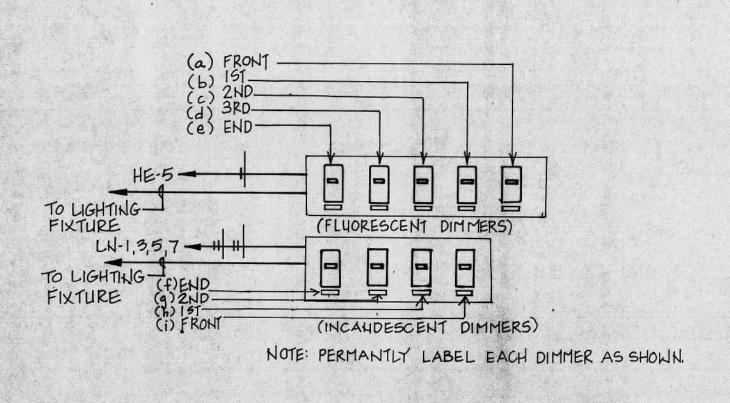
DATE 12/18/91	
ISSUED FOR	DATE

SHEET TITLE SUPPORT BUILDING FLR. PLAN -ROOF PLAN

A2.4

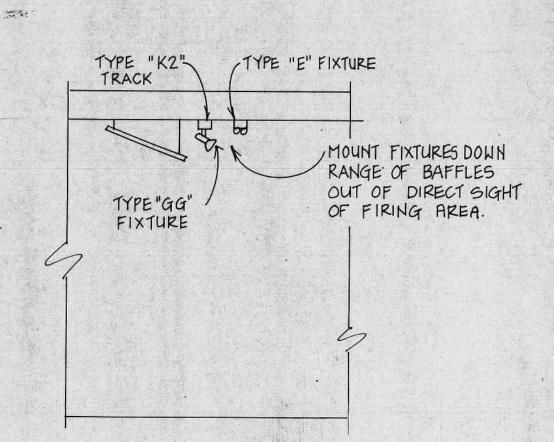






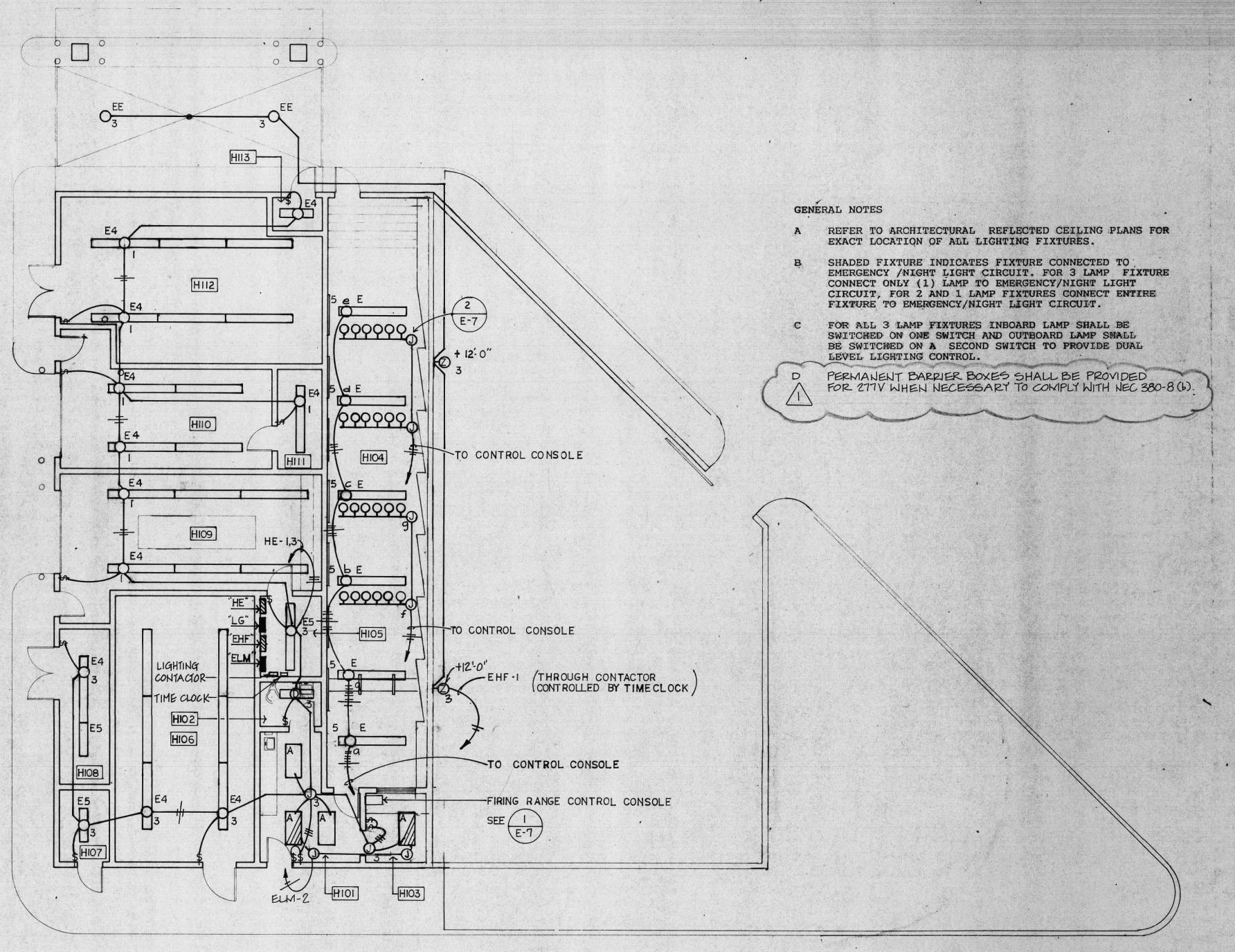
FIRING RANGE CONTROL CONSOLE DETAIL

I. FLUORESCENT DIMMERS: LUTRON #NTHF-40 HI-LUME DIMMER CONTROL WITH FIXTURE PACK # 4843/277/2. . 2. INCANDESCENT DIMMERS: LUTRON # NT-1000



FIRING RANGE N.T.S.

FIXTURE MOUNTING DETAIL



NOTE:
SEE ELECTRICAL SPECIFICATION SECTION FOR LIGHT FIXTURE
SCHEDULE, PANEL SCHEDULE, MECHANICAL CONNECTION SCHEDULE AND ELECTRICAL CONNECTION SCHEDULE.

ELECTRICAL LIGHTING PLAN - SUPPORT BUILDING NORTH SCALE: 1/8" =1'-0"



ROBERTS/DINSMORE ASSOCIATES

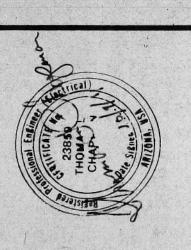
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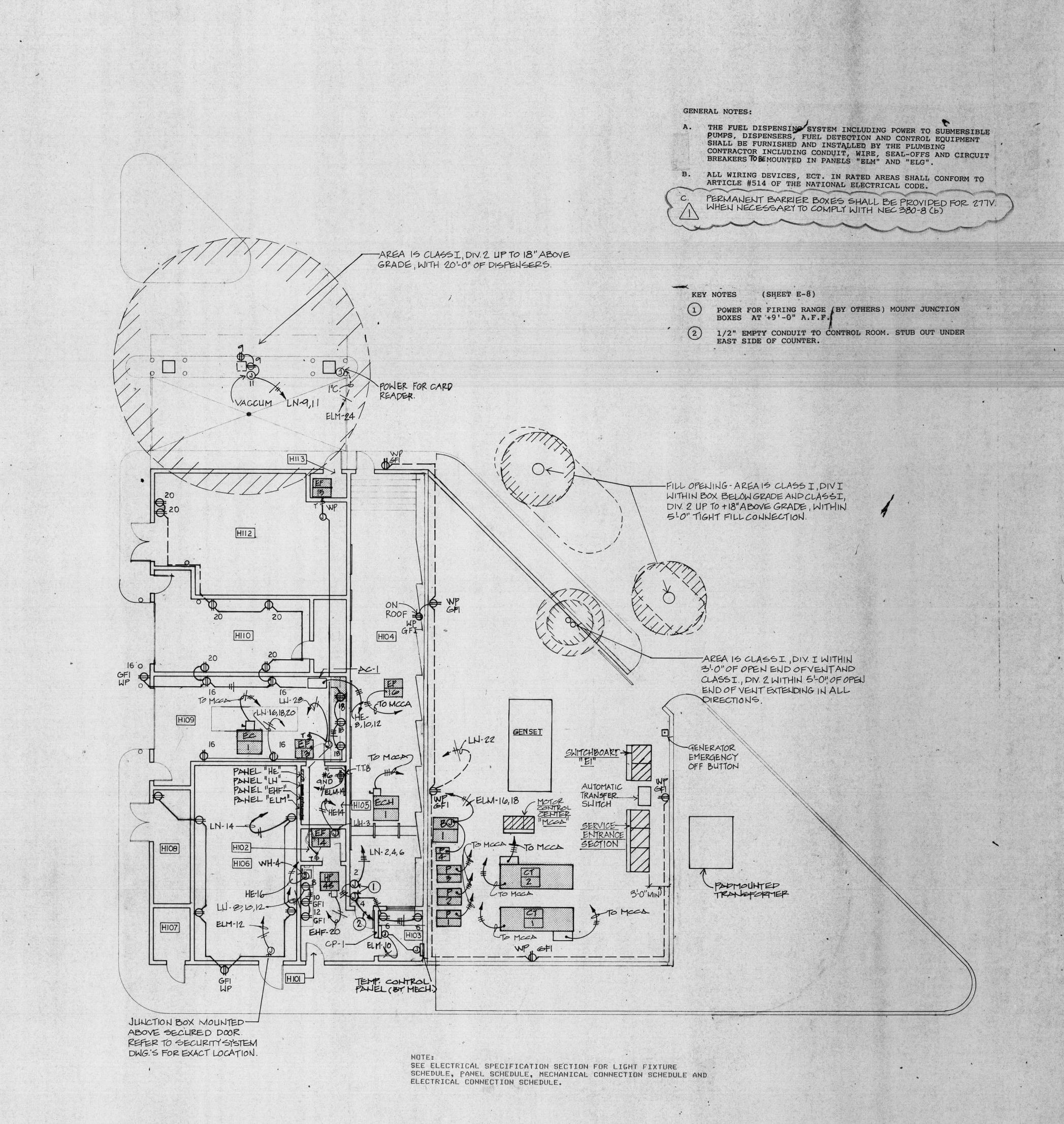
PROJECT NAME

DATE 12/18/91 PER CITY COMMENTS 4-8-92

ELECTRICAL LIGHTING PLAN-SUPPORT BUILDING

E-7

91006



R/DA

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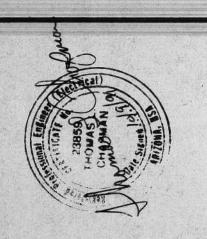
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PROJECT NAME

HAVASU CITY IEADQUARTERS

POLICE HEADS

DATE 12 18 91
ISSUED FOR DATE

PER CITY COMMENTS 4-8-92

SHEET TITLE ELECTRICAL POWER PLAN-

SUPPORT BUILDING.

SHEET NO

E-8

R/DA PROJECT NO.
91006

ELECTRICAL POWER PLAN - SUPPORT BUILDING

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

NORTH

26112 26/1991-16:27

R/DA

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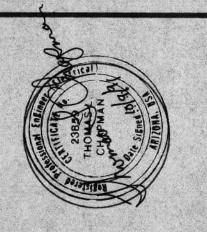
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JECT NAME

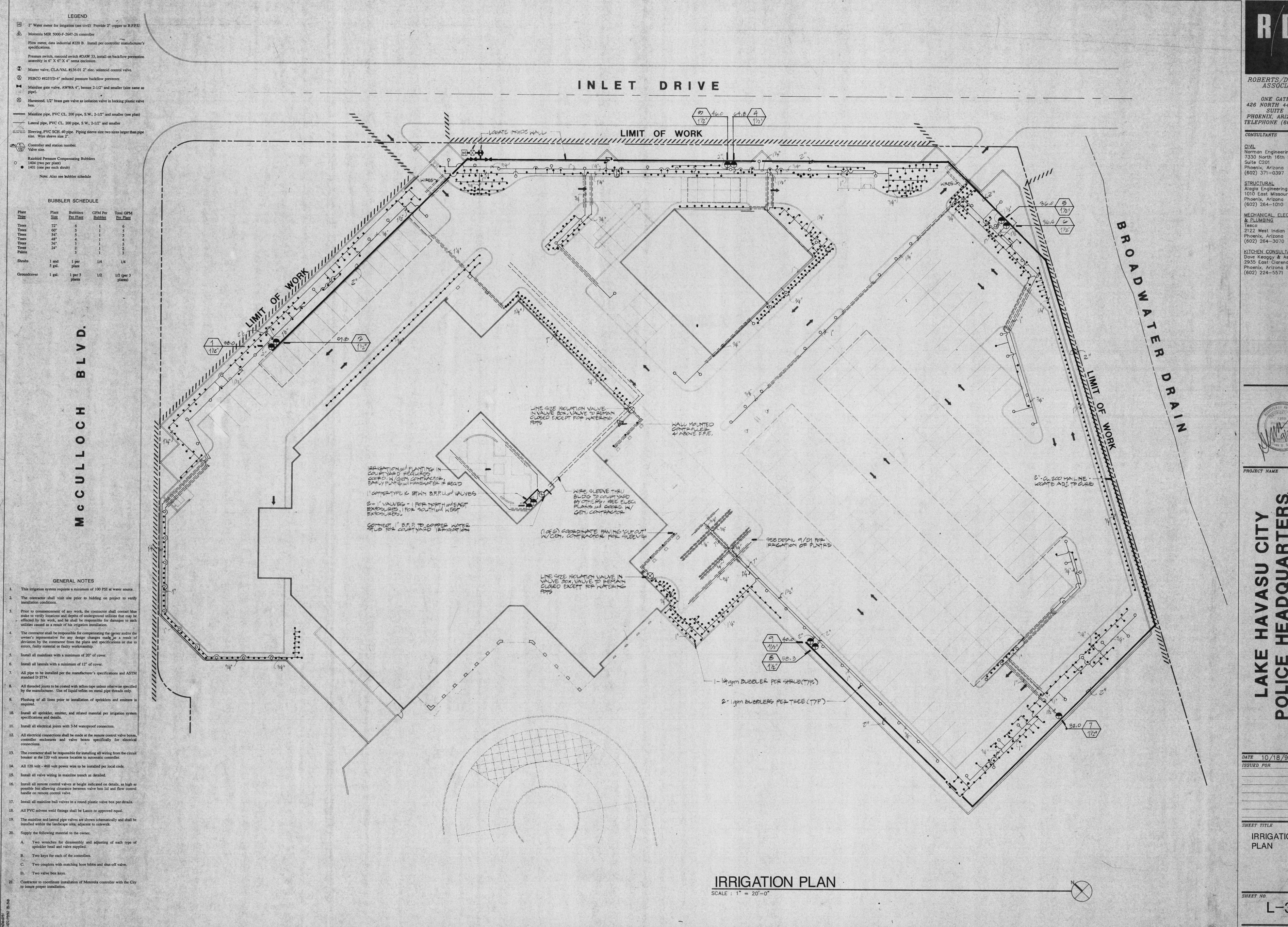
CE HEADQUARTERS

DATE 12/18/91
ISSUED FOR DATE
PERCITY COMMENTS 4-8-92

SHEET TITLE
ELECTRICAL/MECHAINICAL
SITE PLAN

SHEET NO.

EM-0



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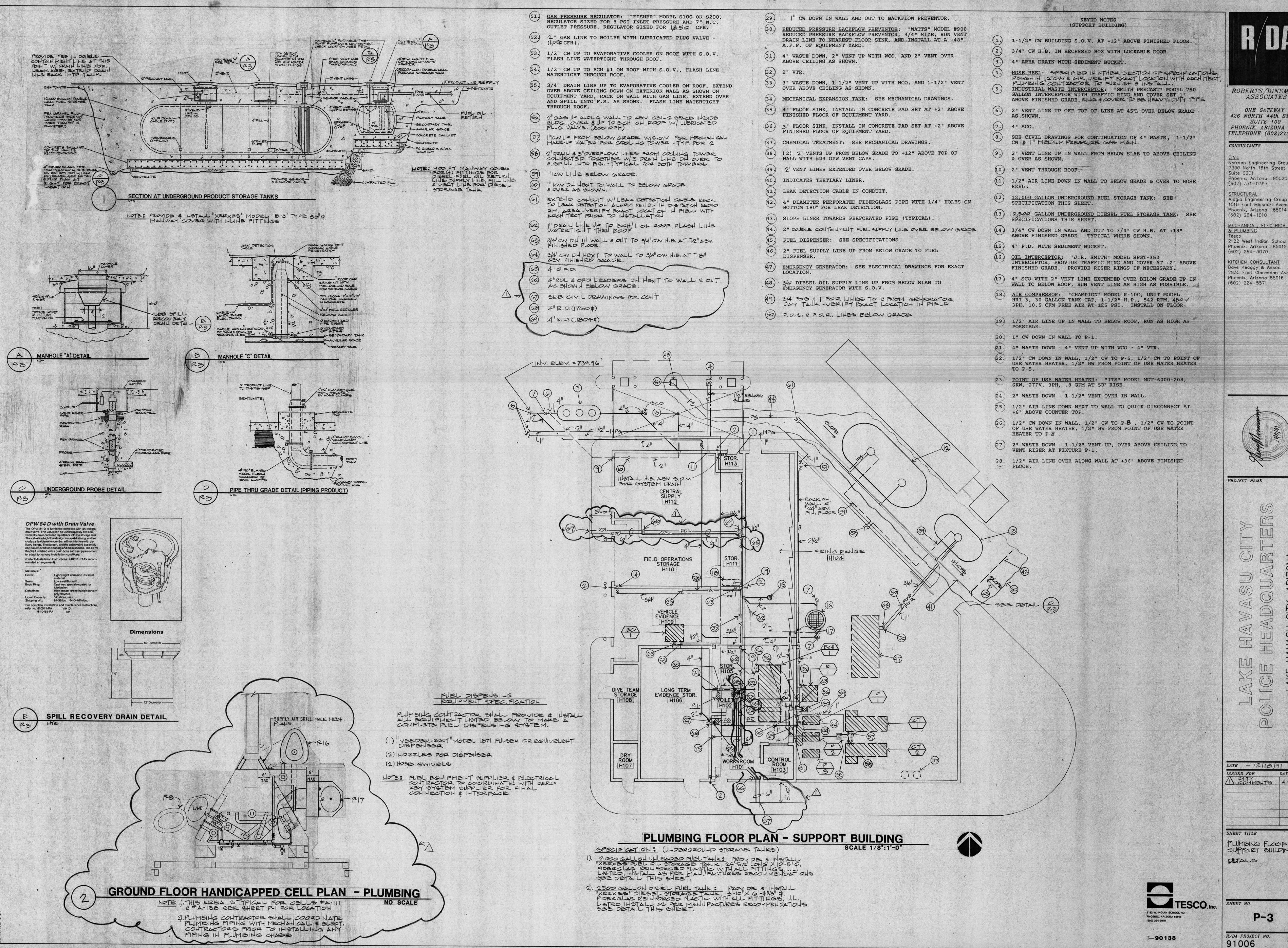


DATE 10/18/91

IRRIGATION PLAN

L-3

R/DA PROJECT NO. 91006 , ,



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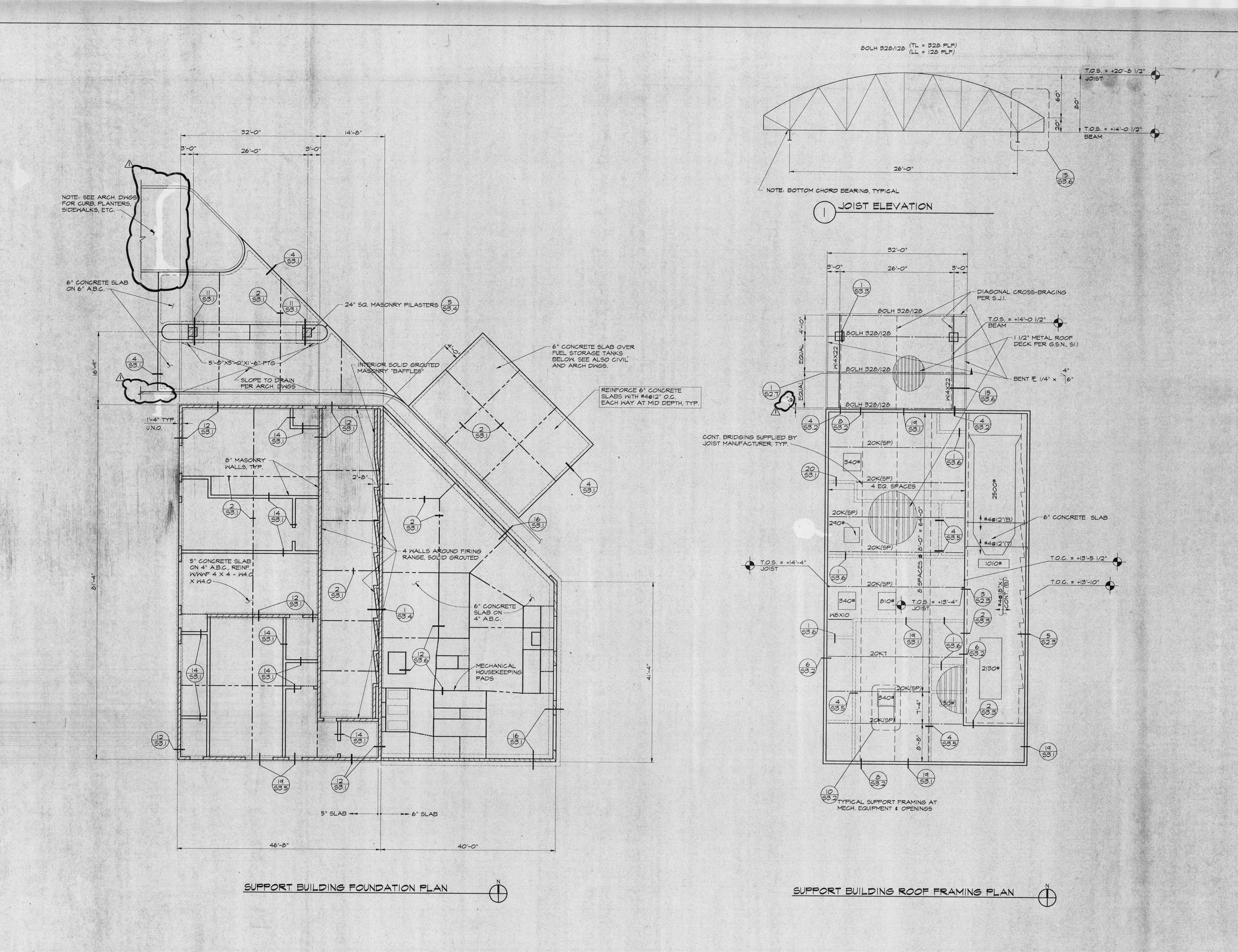
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PROJECT NAME

SHEET TITLE

PLUMBING FLOOP PLAN SUPPORT BUILDING DETAILS

P-3



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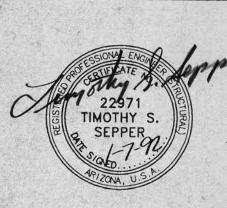
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PROJECT NAME

DATE 1-7-92 ISSUED FOR DATE

CITY PLAN CHECK 4-3-92

SUPPORT BUILDING FOUNDATION & FRAMING PLANS

S2.7

O JOINT.

HAS BEGUN TO HARDEN, WITH 1/4"

COMPACTED EARTH BASE.

THICK ANGLE. REMOVE AND TOOL JOINT.

NOTE: AT CONTRACTOR'S OPTION,

THIS DETAIL ANTICIPATES "STRIP"

PLACING WITH THE CONTROL JOINTS

CUTTING ACROSS THE STRIP. IF OTHER

PLACING PATTERNS ARE USED, DO NOT

USE THIS TYPE OF CONTROL JOINT. AT

ACCEPTABLE AS A CONTROL JOINT. SAW-CUTTING SHALL BE MADE AS SOON AS

POSSIBLE SO THAT IT IS DONE PRIOR TO

COVERED FLOORS, "ZIP STRIP" AND

1-1/2" DEEP SAWCUTTING ARE

THE SHRINKAGE CRACKING.

I. SEE ARCHITECTURAL DRAWINGS

FOR NUMBER OF TREAD AND

2. #3 @ 12" O.C. EACH WAY, DOWEL

INTO SIDE WALLS.

I. FOOTING.

2. THESE SLOPES SHALL NOT BE

STEEPER THAN I VERTICAL TO

I HORIZONTAL, IF EXCAVATION

STAND VERTICALLY WITHOUT

EXCAVATION AND BACKFILL

SHORING AND I VERTICAL TO

NEED TO BE SLOPE OR SHORED.

UNDERMINNING FOOTING ABOVE.

1 1/2 HORIZONTAL IF EXCAVATIONS

RISER SHAPE AND TREATMENT

3. SEE TYPICAL SLAB JOINT DETAIL 2/53.1

2. I-1/2 X FOOTING WIDTH, ENCASE PIPE IN CONCRETE WITHIN THIS AREA. 3. CONCRETE FILL SHALL BE PLACED BEFORE FOOTING IS CAST.

4. CONCRETE PIPE ENCASE-MENT SAME WIDTH AS FOOTING. 5. NO EXCAVATION FOR PIPE

TRENCH PARALLEL TO

FOOTING BELOW THIS LINE.

6. I" SPONGE RUBBER.

7. CONCRETE ENCASEMENT DIMENSIONS "W" (WIDTH) AND "D" (DEPTH) DETERMINED BY SIZE OF PIPE PLUS NOTED MINIMUM EDGE DIMENSIONS AND 60" SLOPE.

NOTE: NO PIPES SHALL PASS THRU COLUMNS & FOOTINGS. NO PIPES SHALL PASS UNDER COLUMN FOOTINGS.

DETAILS OF PIPE AT CONCRETE FOOTING

I. PLASTIC KEY NAILED TO WOOD FORM. STEEL FORMED KEY MAY BE USED AT COVERED FLOORS.

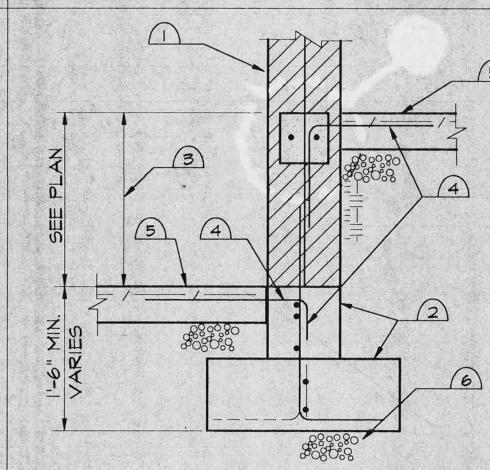
2. BEVEL TO BE 1/8" MAXIMUM TO REDUCE CURL.

TOOL JOINT AT EXPOSED, AREA WITH 1/8" RADIUS.

4. 6X6 - W2.9 X W2.9 W.W.F. CUT AT JOINT.

> NOTE: FOR OPTION, SEE "SHRINKAGE CONTROL JOINT OPTION IN SLAB ON GRADE", 1/53.1.

CONSTRUCTION JOINT (C.J.) AND SHRINKAGE CONTROL JOINT (S.J.) IN SLAB ON GRADE



8" MASONRY WALLS PER PLANS.

2. FOOTINGS AND STEM WALLS PER 12/93.1, STEP FOOTING AS REQUIRED PER 7/53.1.

3. SOLID GROUT BELOW GRADE, TYPICAL.

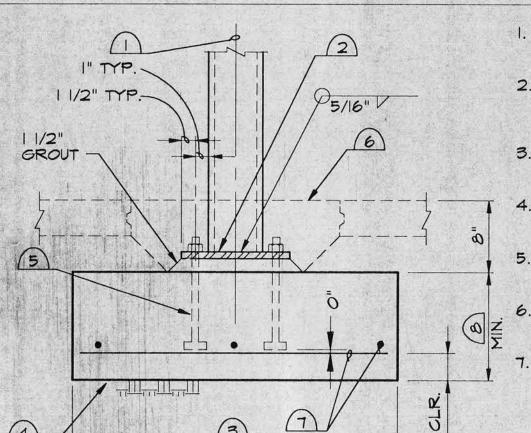
32" ON CENTER. 5. SLAB ON A.B.C. PER PLANS

4. #4 DOWELS x

ENGINEER.

6. COMPACTED BACKFILL PER SPECS. AND GEOTECHINICAL

CHANGE IN SLAB ELEVATION AT MASONRY WALL



SHALLOW FOOTING FOR

STEEL COLUMN

I. SYMMETRICAL ABOUT CENTER

2. BASE PLATE 3/4" THICK FOR FOOTING SIZE OF 6'-0" × 6'-0" OR GREATER PROVIDE I" THICK BASE PLATE. 3. SEE PLAN. CENTER ON COLUMN EACH WAY.

4. COMPACTED FILL PER SPECIFICATIONS AND GEOTECHNICAL ENGINEER.

5. 4-3/4" ANCHOR BOLTS WITH HEAVY HEX HEAD. 6. DIAMOND SHAPE CLOSURE CONCRETE, SEE PLANS.

PROVIDE: 3-#5 E.W. FOR 2'-0"X2'-0"X8" FTG. 4-#5 E.W. FOR 4'-0"X4'-0"X1'-0" FTG. 11-#5 E.W. FOR 6'-0"X6'-0"X1'-6" FTG. 12-#5 E.W. FOR 8'-0"X8'-0"X2'-0" FTG.

8. SEE PLAN.

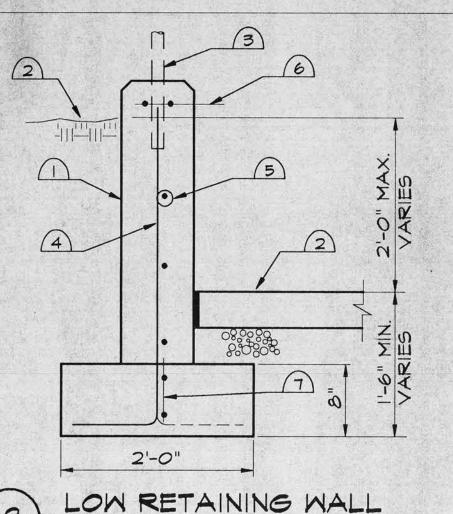
1. DOWELS TO MATCH AND LAP MASONRY WALL REINFORCING. 2. #4 X 5'-0" @ 18", CENTER ON

3. CENTER UNDER WALL. 4. PERMISSIBLE CONSTRUCTION

5. FOR SLAB CONSTRUCTION NOT SHOWN, SEE SLAB JOINT DETAIL 2/53.1

MASONRY NON-BEARING WALL AT SLAB ON GRADE

- #4 CONT



1. 8" CONCRETE RETAINING WALL. 2. FINISH GRADE AND SIDEWALK

PER CIVIL PLANS. 3. FENCE PER ARCHITECTURAL DRAWINGS.

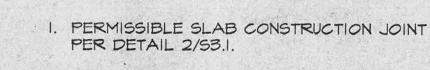
4. #4 AT 12" O.C. - ALTERNATE HOOK AT BOTTOM.

5. #4 AT 12" O.C.

6. 2- #4 x CONTINUOUS, TOP.

7. 2- #4 x CONTINUOUS, FOOTING.

NOTE: PROVIDE CONSTRUCTION JOINT AT 20 FEET ON CENTER MAX. SPACING PER 13/53.6.



2. SEE ARCHITECTURAL DRAWINGS FOR STEP DIMENSION. DO NOT EXCEED 8".

I. PLACE ALL CONCRETE AGAINST UN-DISTURBED

DURING CONCRETE PLACING REPLACE

3. REBAR TO MATCH AND LAP WITH TYPICAL

6. SEE "DETAILS OF PIPE AT CONCRETE FTG"

7. STEP FOOTING AS REQUIRED TO DEPRESS

FOOTING TO FIRM BEARING, OR TO GET

BELOW UNDERGROUND PIPING, OR WHEN-EVER CHANGE IN FOOTING ELEVATION OCCURS. SEE DETAIL "MAXIMUM SLOPES BETWEEN ADJACENT EXCAVATIONS" (DET

9/53.1) WHICH MAY REQUIRE LOWERING OF FOOTING ELEVATION. SPACE STEPS NO

FINISHED GRADE.

2. SOLID GROUT MASONRY

COLUMN FULL HEIGHT.

COLUMN REINFORCING.

FOR 2'-6"X2'-6" FTG.

FOR 3'-0"X3'-0" FTG.

FOR 4'-0"X4'-0" FTG.

FOR 5'-0"X5'-0" FTG.

3. DOWELS TO MATCH AND LAP

4. PROVIDE MIN. 2-#5 EACH WAY

PROVIDE MIN. 3-#5 EACH WAY

PROVIDE MIN. 4-#5 EACH WAY

PROVIDE MIN. 5-#5 EACH WAY

5. CENTER UNDER COLUMN, SEE PLAN

7. SYMMETRICAL ABOUT CENTER

LINE EACH WAY.

11. 3 - #4 TIES.

SEE G.S.N. - COMPACTED FILL PER

9. SLAB DOWELS: #4 x 10" @ 32'

10. CONC. PEDESTAL, WITH SAME SIZE

SPECS. & GEOTECHINICAL ENGINEER

. FINISH FLOOR OR LOWEST ADJACENT

(DET. 17/53.1) FOR PIPE PLACEMENT CRITERIA.

DISTURBED SOIL WITH CONCRETE.

2. REBAR MAY BE LAP SPLICED AT

4. I" SPONGE RUBBER AROUND PIPE

5. SLOPE AS REQUIRED FOR EARTH

CLOSER THAN 4'-O" CLEAR.

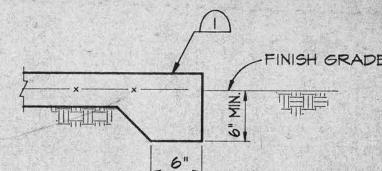
CONTRACTORS OPTION.

FOOTING REINFORCEMENT.

WHEN APPLICABLE.

STABILITY.

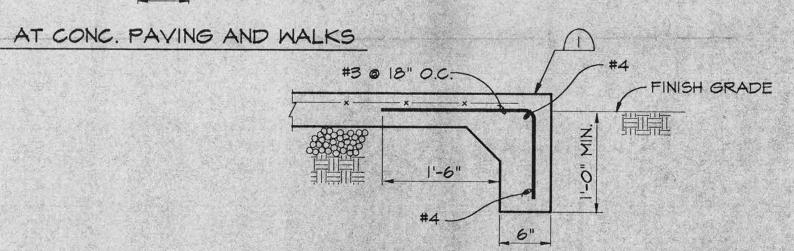
OR COMPACTED SOIL. IF SOIL IS OR COMPACTED



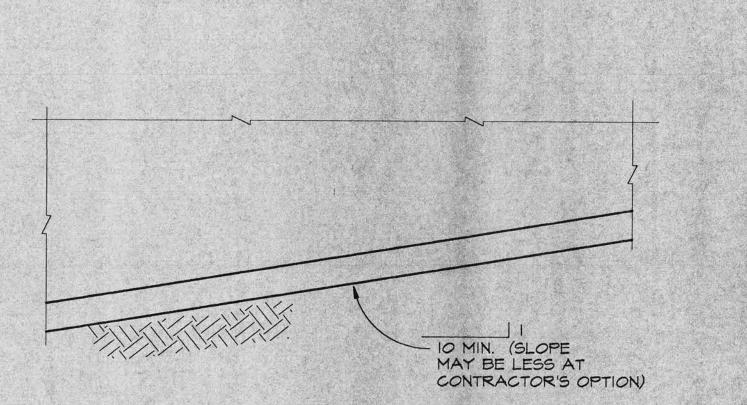
SEE TYPICAL SLAB JOINT DETAIL FOR SLAB CONSTRUCTION

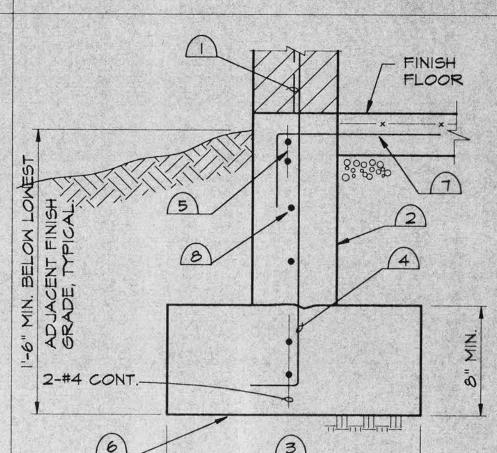
FINISH GRADE

(DET. 2/53.1) INCLUDING REBAR IF ANY



AT BLDG. SLAB EDGE





SEE G.S.N. FOR MASONRY WALL REINFORCING

2. 8" THICK CONC. SYEM WALL.

3. I'-4" UNLESS NOTED OTHERWISE ON PLAN. CENTER UNDER WALL.

4. DOWELS TO MATCH AND LAP WITH WALL REINFORCING.

5. 2-#5 IN TOP OF STEM WALL.

6. SEE G.S.N. ESTABLISH AND VERIFY FOOTING BOTTOM, MAINTAIN REQD. SLOPE BETWEEN EXCAVATIONS. FINISH GRADE IS FINISH FLOOR AT INTERIOR FOOTING. COMPACTED FILL PER SPECS. AND GEOTECHNICICAL ENGINEER.

SLAB DOWELS: #4 x 10" @ 32".

8. #4 x CONT. AT 8".

FOOTING FOR MASONRY

I. SEE ARCHITECTURAL DRAWINGS FOR HEIGHT DIMENSION.

AND SHAPE AS MASONRY COLUMN

2. #4 @ 12" EACH WAY. SPLICE AS REQUIRED PER GENERAL STRUCTURAL NOTES.

3. PERMISSIBLE CONSTRUCTION JOINTS.

4. CENTER REINFORCING IN CONCRETE AT TOP, BOTTOM AND IN WALL

5. 4 x 4-W4.0 x W4.0 W.W.F. @ MID-DEPTH OF SLAB.

6. 6 x 6-W2.9 x W2.9 W.W.F. EXTENDED TO ADJACENT SLAB JOINT.

7. MASONRY WALL AND DOWELS WHERE SHOWN ON PLAN.

NOTE: SLOPE BOTTOM OF SLAB TO DRAIN, IF DRAIN IS SHOWN ON ARCHITECTURAL DRAWINGS.

terior retaining wall and slab

#4 CONT.

-× × + × × × ×

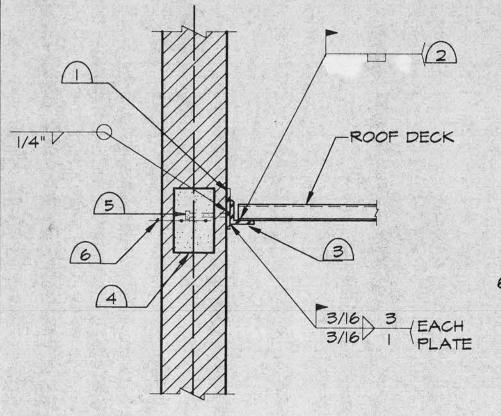
8" 1'-0"

SHALLOW FOOTING FOR

- #4 CONT.

MASONRY COLUMN

SMALL STEP IN SLAB ON GRADE



ROOF DECK CONNECTION

AT MASONRY WALL

1. PLATE 1/4" x 5" x 0'-5" AT 32" ON CENTER NOT MORE THAN I'-O' FROM END OF ANGLE. MINIMUM 2 PLATES PER ANGLE LENGTH.

2. DECK END WELD PER GENERAL STRUCTURAL NOTES.

3. CONTINUOUS ANGLE 3" X 3" X 1/4". 4. SEE GENERAL STRUCTURAL NOTES.

5. 3/4" DIA. X 5" HEADED STUD. CENTER ON PLATE.

6. REINFORCING PER G.S.N., IN CONTINUOUS BOND BEAM.

3'-6" CENTERED UNDER WALL

PERIMETER SITE WALL

DECK PARALLEL TO WALL

(B) DECK PERPENDICULAR TO WALL

ROOF DECK OVER

MASONRY WALL

1. 8" MASONRY WALL PER ARCH'L. DWG. 2. 2" CAP BLOCK PER ARCH'L. DWGS. 3. FINISH GRADES PER CIVIL DRAWINGS

4. #5 AT 32" O.C. AND BOTH SIDES OF CONTROL JOINTS.

5. 2-#5 x CONT. IN BOND BEAM AT TOP OF WALL AND AT FINISH GRADE. (CUT TOP BARS AT CONTROL JOINTS).

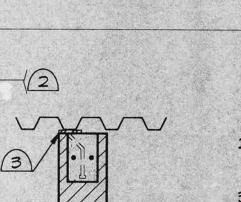
6. SOLID GROUT BELOW GRADE, TYPICAL 7. #5 AT 16" ON CENTER.

8. LAP LENGTH PER G.S.N.

9. #5 AT 16" ON CENTER AT TOP 10. 6 - #4 x CONTINUOUS

COMPACTED FILL BELOW FOOTING PER SPEC'S. AND GEOTECHNICAL ENGINEER

CONTROL JOINTS AT 20'-0" O.C. MAX. X AT JOINT



1. CONTINUOUS PLATE 1/4" X 3" LOCATE UNDER FLUTE. 2. DECK WELD TO PLATE PER GENERAL

SIRUCIURAL NOTES.

ARCHITECT.

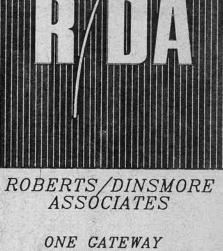
3. SHIFT PLATE IF REQUIRED. 4. 3/4" DIA. X 6" HEADED STUDS AT

4'-0' ON CENTER. CENTER ON PLATE.

5. SEE GENERAL STRUCTURAL NOTES. (2) 6. FILL SPACE WITH MATERIAL SPECIFIED BY

7. CONTINUOUS L 3" X 3" X 1/4".

8. PLATE 1/4" X 5" X 0'-5" AT 32" ON CENTER NOT MORE THAN I'-O" FROM END OF ANGLE. MINIMUM 2 PLATES PER ANGLE LENGTH.



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DATE 1-7-92 SSUED FOR

SHEET TITLE STRUCTURAL DETAILS

SHEET NO.

91006

S3.1 R/DA PROJECT NO.