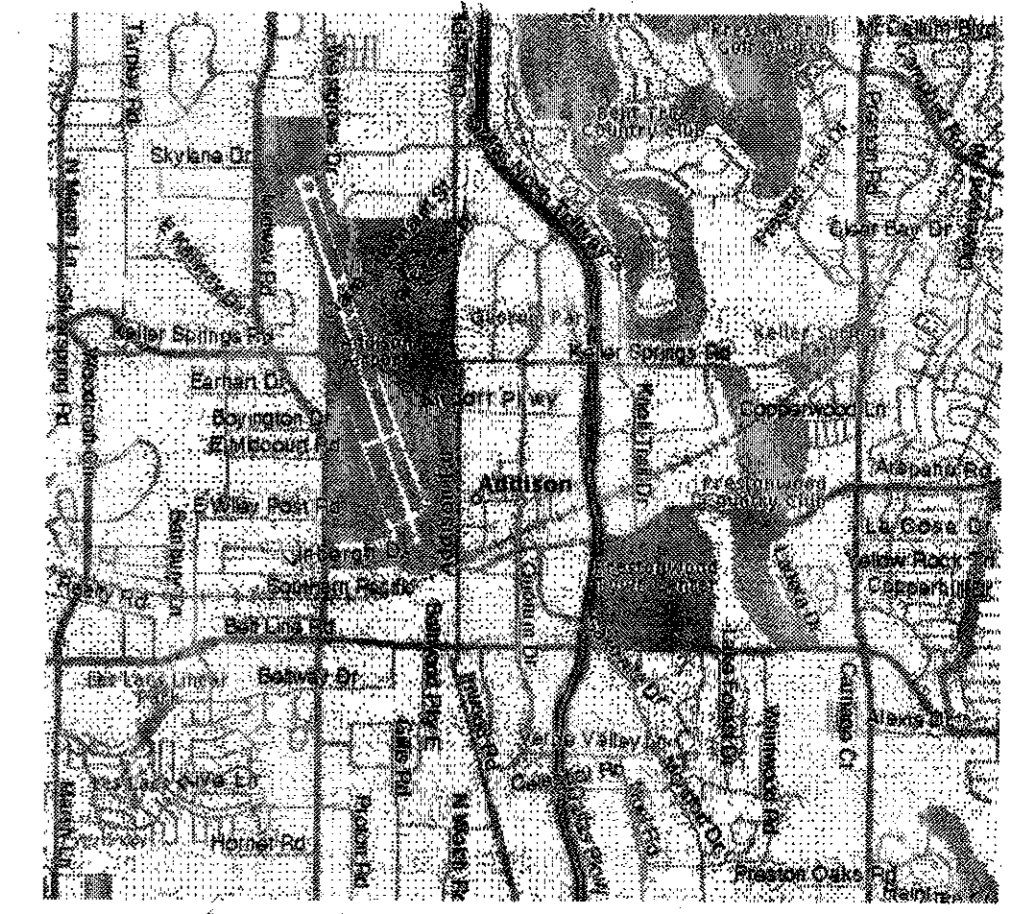


# ARTS AND EVENTS DISTRICT

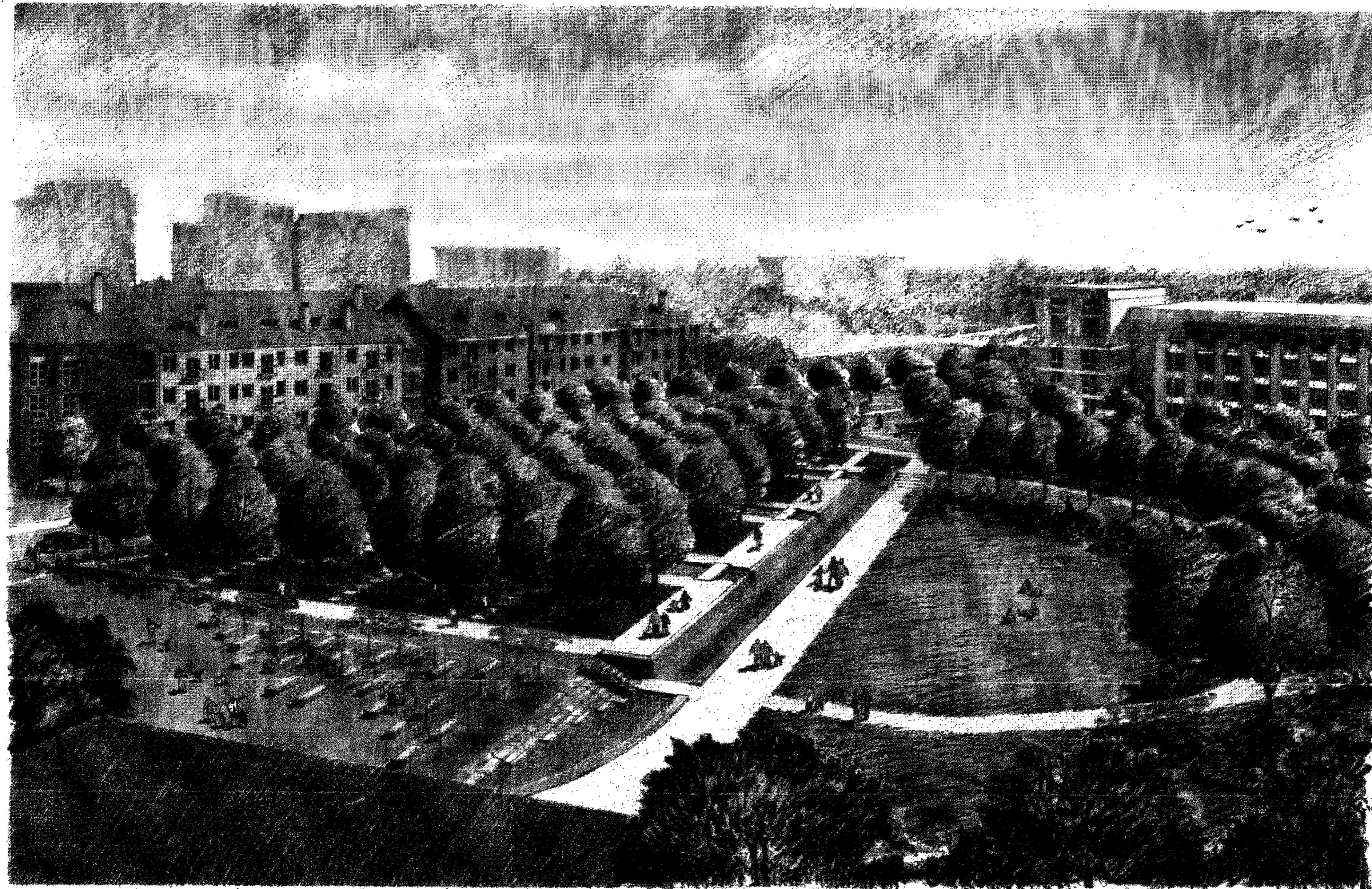
ADDISON, TEXAS

ISSUED FOR CONSTRUCTION

SEPTEMBER 30, 2002



LOCUS PLAN



PREPARED FOR:  
TOWN OF ADDISON  
ADDISON TOWN HALL  
5300 BELT LINE ROAD  
P.O. BOX 9010  
ADDISON, TX 75001-9010

**S A S A K I**  
*Interdisciplinary Design*

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CIVIL ENGINEERING  
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t 617-926-3300  
f 617-924-2748  
w [www.sasaki.com](http://www.sasaki.com)

ELECTRICAL AND MECHANICAL ENGINEERING:  
CAMPOS ENGINEERING, INC.  
7430 GREENVILLE AVENUE  
DALLAS, TX 75231  
t 214-696-6291  
f 214-361-6298

*DAVE'S UPDATED  
SET*

FOUNTAIN ENGINEERING:  
GEORGIA FOUNTAIN CO.  
2513 ROYAL PLACE  
TUCKER, GA 30084  
t 770-934-3297  
f 770-934-8770

*Original Const. 9/30/02  
Addendum 2 - 10/21/02  
Bulletin 1 - 12/30/02*

IRRIGATION ENGINEERING:  
IRRITECH CORPORATION  
12650 SCHROEDER ROAD  
DALLAS, TX 75243  
t 972-231-5151  
f 972-231-5172

SPECIFICATIONS CONSULTANT:  
RICO ASSOCIATES  
92 LAKE STREET  
SHREWSBURY, MA 01545  
t 508-842-4948  
f 508-842-7227

SHEET INDEX

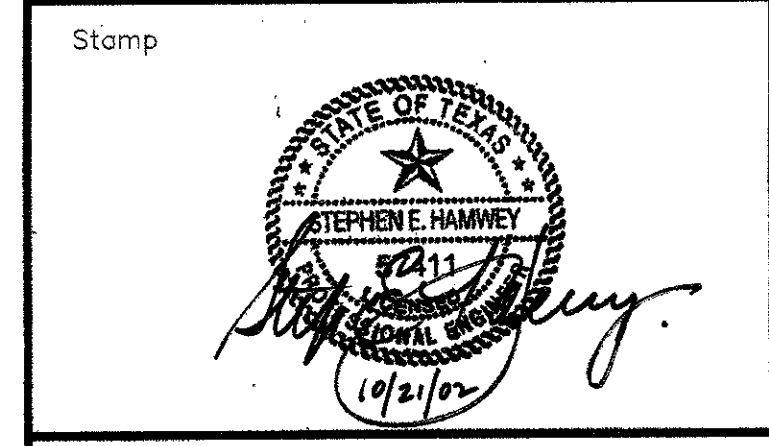
- C0-0 SHEET INDEX
- C0-1 EXISTING CONDITIONS PLAN
- C0-2 EXISTING CONTOURS
- C1-1 SITE PREPARATION/DEMOLITION/EROSION CONTROL PLAN
- C1-2 SITE PREPARATION/DEMOLITION/EROSION CONTROL PLAN
- C1-3 SITE PREPARATION/DEMOLITION/EROSION CONTROL PLAN
- C2-1 MATERIALS PLAN
- C2-2 MATERIALS PLAN
- C2-3 LAYOUT PLAN
- C2-4 LAYOUT PLAN
- C3-1 GRADING & DRAINAGE PLAN
- C3-2 GRADING & DRAINAGE PLAN
- C4-1 UTILITIES PLAN
- C4-2 UTILITIES PLAN
- C4-3 UTILITIES PLAN
- C5-1 MATERIALS PLAN DETAIL
- C5-2 MATERIALS PLAN DETAIL
- C5-3 PAVING & LAYOUT PLAN DETAIL
- C5-4 PAVING & LAYOUT PLAN DETAIL
- C5-5 GRADING PLAN DETAIL
- C5-6 GRADING PLAN DETAIL
- C6-1 PERGOLA PLAN & DETAILS
- C6-2 PERGOLA ELEVATIONS
- C7-1 SITE DETAILS
- C7-2 SITE DETAILS
- C7-3 SITE DETAILS - LIGHTING
- C7-4 SITE DETAILS - COTTON BELT ROUTE
- C7-5 SITE DETAILS - FENCES
- C7-6 SITE DETAILS - UPPER CHANNEL & RAILING
- C7-7 SITE DETAILS - FOUNTAIN WALL
- C7-8 SITE DETAILS - PLAZA FOUNTAIN STEPS
- C7-9 SITE DETAILS - FOUNTAIN PYLON
- C7-10 SITE DETAILS - FOUNTAIN
- C7-11 SITE DETAILS - STAIRS
- C7-12 SITE DETAILS - STAIRS
- C7-13 SITE DETAILS - STAIRS
- △ C7-14 SITE DETAILS - ELECTRICAL ROOM
- C8-1 FESTIVAL WAY PROFILES
- C8-2 SEWER PROFILE
- C8-3 SITE DETAILS - ROADWAY PAVING
- C8-4 SITE DETAILS - WATER
- C8-5 SITE DETAILS - WATER
- C8-6 SITE DETAILS - SANITARY SEWER
- C8-7 SITE DETAILS - DRAINAGE
- C8-8 SITE DETAILS - DRAINAGE
- C8-9 LAYOUT COORDINATE SYSTEM REFERENCE
- S1-1 STRUCTURAL DETAILS
- S1-2 STRUCTURAL DETAILS
- S1-3 STRUCTURAL DETAILS
- S1-4 ELECTRICAL ROOM STRUCTURAL DETAILS
- L1-1 PLANTING PLAN
- L1-2 PLANTING PLAN
- L2-1 PLANTING DETAILS AND PLANT LIST
- L3-1 IRRIGATION PLAN
- △ L3-2 IRRIGATION PLAN
- L5-1 IRRIGATION DETAILS & LEGEND
- E0-0 ELECTRICAL ABBREVIATIONS & SYMBOL LEGEND
- E1-1 ELECTRICAL PLAN - WEST
- E1-2 ELECTRICAL PLAN - EAST
- E2-1 SINGLE LINE DIAGRAMS AND DETAILS
- E2-2 ELECTRICAL LARGE SCALE PLANS
- E3-1 ELECTRICAL PANELBOARD SCHEDULES
- M1-1 MECHANICAL PLAN
- F0-0 FOUNTAIN LEGEND AND ABBREVIATIONS
- F1-1 WATER GARDEN DISCHARGE, FILL & FILTER RETURN PLAN
- F1-2 WATER GARDEN SUCTION AND DRAIN PLAN
- F1-3 WATER GARDEN ELECTRICAL PLAN
- F1-4 WATER GARDEN FOUNTAIN DETAILS
- F2-1 PLAZA FOUNTAIN DISCHARGE, FILL & FILTER RETURN PLAN
- F2-2 PLAZA FOUNTAIN DRAINAGE & AIR VENT PLAN
- F2-3 PLAZA FOUNTAIN PUMP SUCTIONS PLAN
- F2-4 PLAZA FOUNTAIN ELECTRICAL PLAN
- F2-5 PLAZA FOUNTAIN FOUNTAIN DETAILS
- FE1-1 WATER GARDEN & PLAZA FOUNTAIN ELECTRICAL DIAGRAM

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△	ADDENDUM #2	10-21-02
	ISSUED FOR CONSTRUCTION	09-30-02
No.	Description	Date

DWG ISSUE & REVISION HISTORY



Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

Drawing Title:  
**SHEET INDEX**

Project No. 14516.00 Scale:  
 Drawn By:  
 Checked By:  
 Approved By:  
 Date: September 30, 2002

Drawing No. **C0-0**

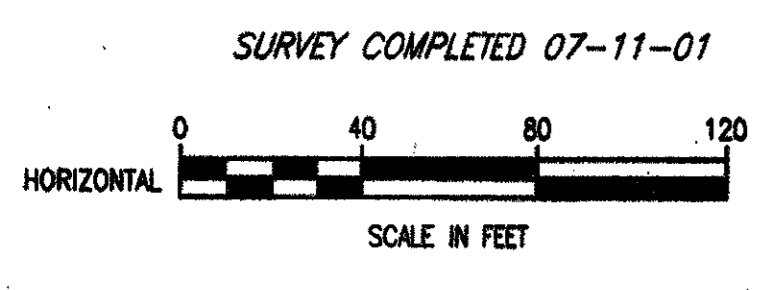


PROJECT: ADDISON, TEXAS (2001) EXISTING CONTOURS  
SCALE: 1"=40'  
BLOCKS: X

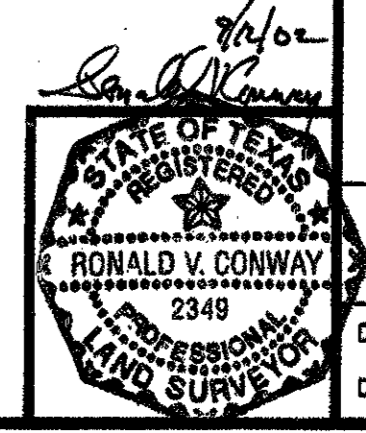


- BENCH MARK (BM-2)  
"X" MARKED IN CONC. CURB  
ON ADDISON CIRCLE  
N 12655.2926, E 10392.6203, ELEVATION 633.20
- BENCH MARK (BM-3)  
60d NAIL IN POWER POLE SOUTHEAST CORNER  
OF JULIAN ST. & BROADWAY ST.  
N 11822.8283, E 10302.4032, ELEVATION 632.50
- BENCH MARK (TBM\_AR-3)  
CUT AT END OF RETAINING WALL, NORTH  
OF LINDBERGH DR. WEST SIDE OF ADDISON RD.  
N 11792.4916, E 9775.4348, ELEVATION 635.38

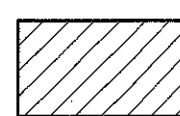
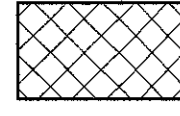
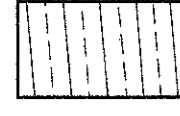
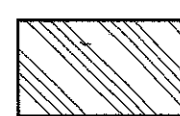
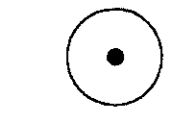
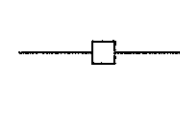
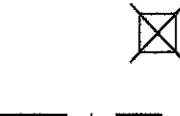

These plans and related specifications were prepared for construction of this specific project only. Reuse of these documents is not permitted without written authorization of Birkhoff, Hendricks, & Conway, L.L.P.



<b>TOWN OF ADDISON, TEXAS</b>	
<b>ARTS AND EVENTS DISTRICT</b> EXISTING CONTOURS	
<b>BIRKHOFF, HENDRICKS &amp; CONWAY, L.L.P.</b> CONSULTING ENGINEERS Dallas, Texas	
DESIGNED BY: _____	PROJECT: 2001-138
DRAWN BY: _____	DATE: SEPTEMBER 2002
SHEET NO. 2 OF 2 SHEETS	



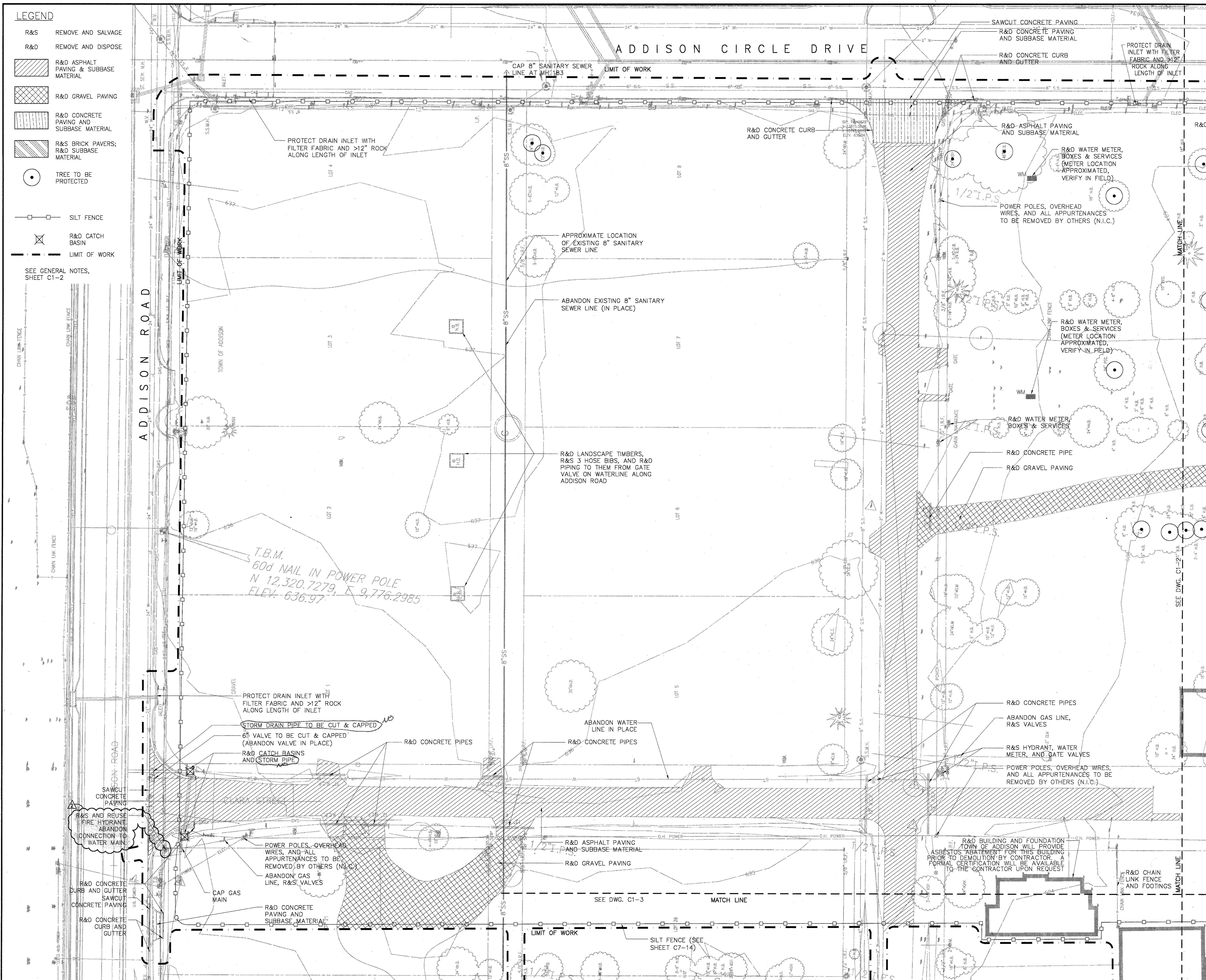
**LEGEND**

- R&S REMOVE AND SALVAGE
- R&D REMOVE AND DISPOSE
-  R&D ASPHALT PAVING & SUBBASE MATERIAL
-  R&D GRAVEL PAVING
-  R&D CONCRETE PAVING AND SUBBASE MATERIAL
-  R&S BRICK PAVERS; R&D SUBBASE MATERIAL
-  TREE TO BE PROTECTED
-  SILT FENCE
-  R&D CATCH BASIN
-  LIMIT OF WORK

SEE GENERAL NOTES, SHEET C1-2


**ADDISON CIRCLE DRIVE**

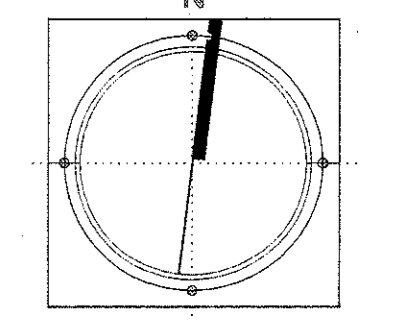
**ADDISON ROAD**



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BULLETIN #	12-30-02
ISSUED FOR CONSTRUCTION	11-26-02
ADDENDUM #2	10-21-02
ISSUED FOR CONSTRUCTION	09-30-02
No. Description	Date
DWG ISSUE & REVISION HISTORY	

Stamp  


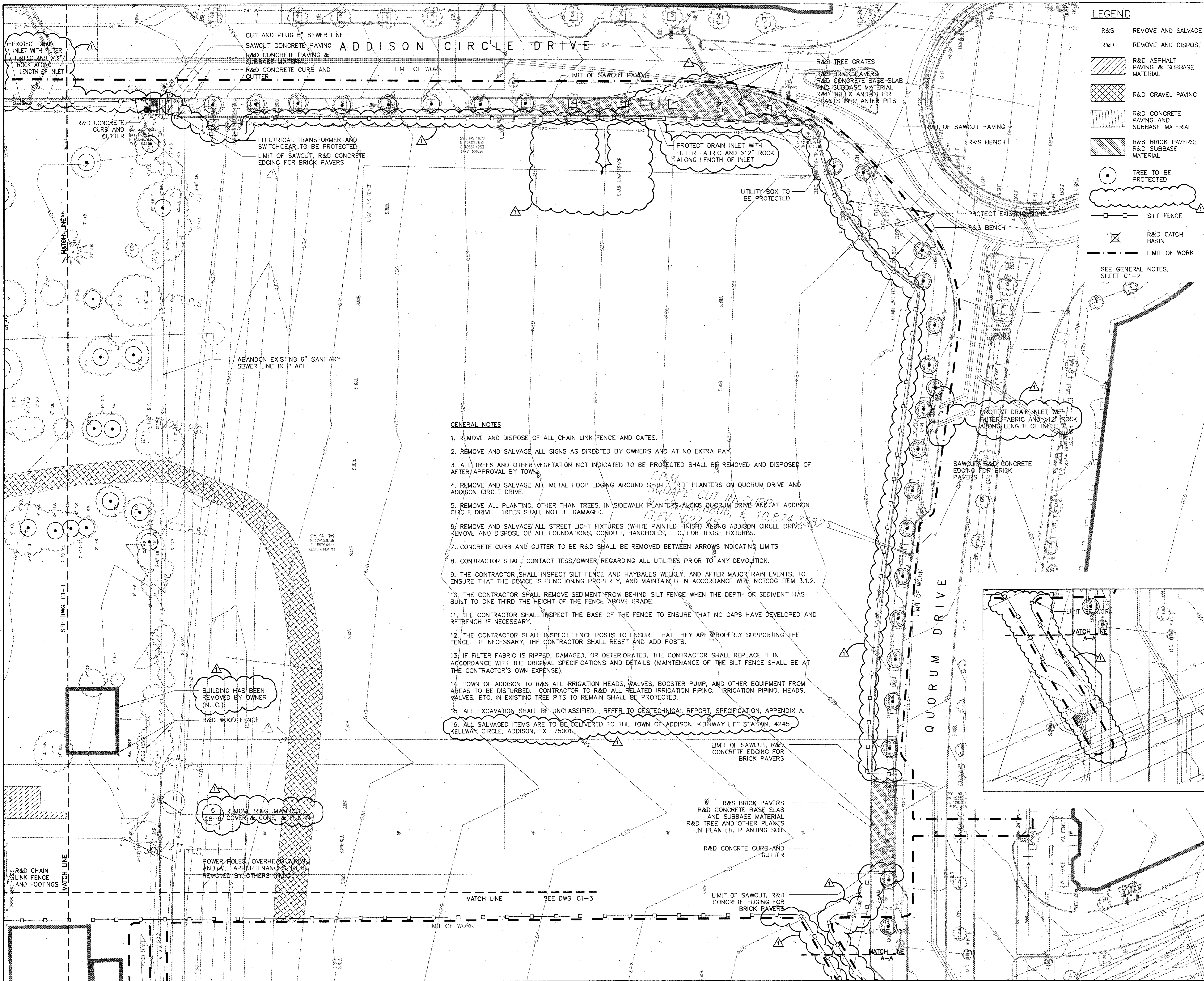
North Arrow  
  
 0 10' 20' 40'

Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

Drawing Title:  
**SITE PREPARATION/  
 DEMOLITION/EROSION  
 CONTROL PLAN**

Project No. 14516.00 Scale: 1"=20'-0"  
 Drawn By: LS  
 Checked By: DC  
 Approved By: SEH  
 Date: September 30, 2002

Drawing No. **C1-1**

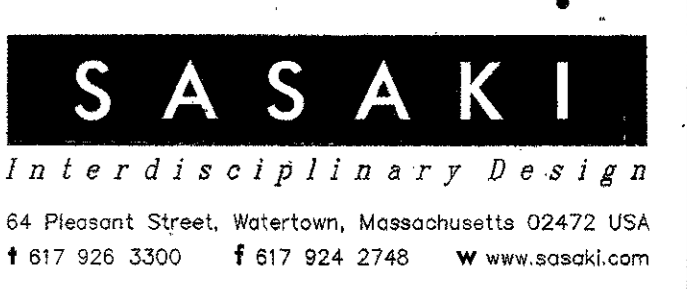


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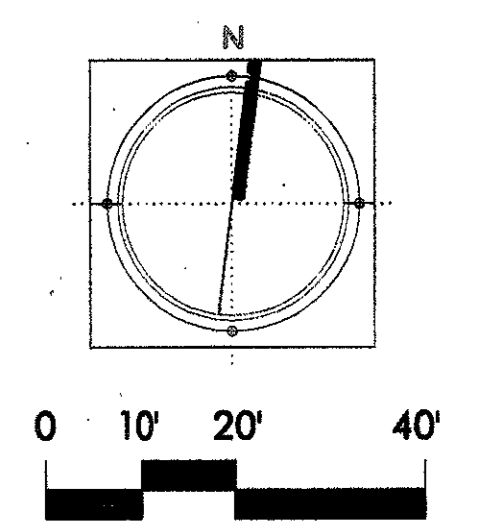
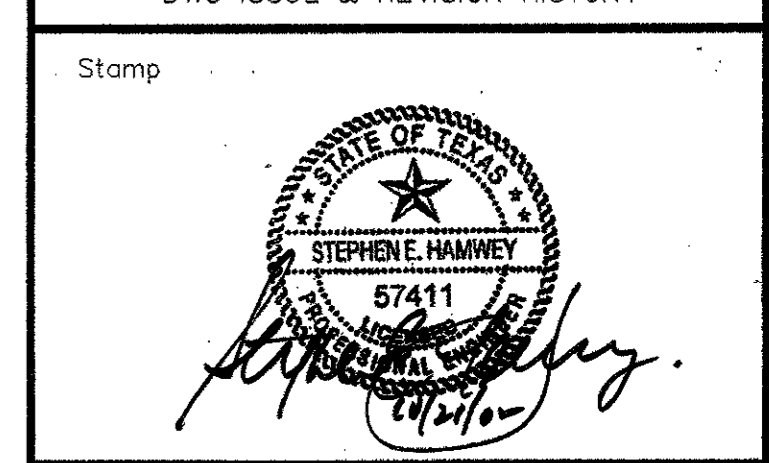
- R&S REMOVE AND SALVAGE
  - R&D REMOVE AND DISPOSE
  - R&D ASPHALT PAVING & SUBBASE MATERIAL
  - R&D GRAVEL PAVING
  - R&D CONCRETE PAVING AND SUBBASE MATERIAL
  - R&S BRICK PAVERS; R&D SUBBASE MATERIAL
  - TREE TO BE PROTECTED
  - SILT FENCE
  - R&D CATCH BASIN
  - LIMIT OF WORK
- SEE GENERAL NOTES, SHEET C1-2

**GENERAL NOTES**

1. REMOVE AND DISPOSE OF ALL CHAIN LINK FENCE AND GATES.
2. REMOVE AND SALVAGE ALL SIGNS AS DIRECTED BY OWNERS AND AT NO EXTRA PAY.
3. ALL TREES AND OTHER VEGETATION NOT INDICATED TO BE PROTECTED SHALL BE REMOVED AND DISPOSED OF AFTER APPROVAL BY TOWN.
4. REMOVE AND SALVAGE ALL METAL HOOP EDGING AROUND STREET TREE PLANTERS ON QUORUM DRIVE AND ADDISON CIRCLE DRIVE.
5. REMOVE ALL PLANTING, OTHER THAN TREES, IN SIDEWALK PLANTERS ALONG QUORUM DRIVE AND AT ADDISON CIRCLE DRIVE. TREES SHALL NOT BE DAMAGED.
6. REMOVE AND SALVAGE ALL STREET LIGHT FIXTURES (WHITE PAINTED FINISH) ALONG ADDISON CIRCLE DRIVE, REMOVE AND DISPOSE OF ALL FOUNDATIONS, CONDUIT, HANDHOLES, ETC. FOR THOSE FIXTURES.
7. CONCRETE CURB AND GUTTER TO BE R&D SHALL BE REMOVED BETWEEN ARROWS INDICATING LIMITS.
8. CONTRACTOR SHALL CONTACT TESS/OWNER REGARDING ALL UTILITIES PRIOR TO ANY DEMOLITION.
9. THE CONTRACTOR SHALL INSPECT SILT FENCE AND HAYBALES WEEKLY, AND AFTER MAJOR RAIN EVENTS, TO ENSURE THAT THE DEVICE IS FUNCTIONING PROPERLY, AND MAINTAIN IT IN ACCORDANCE WITH NCTCOG ITEM 3.1.2.
10. THE CONTRACTOR SHALL REMOVE SEDIMENT FROM BEHIND SILT FENCE WHEN THE DEPTH OF SEDIMENT HAS BUILT TO ONE THIRD THE HEIGHT OF THE FENCE ABOVE GRADE.
11. THE CONTRACTOR SHALL INSPECT THE BASE OF THE FENCE TO ENSURE THAT NO GAPS HAVE DEVELOPED AND RETRENCH IF NECESSARY.
12. THE CONTRACTOR SHALL INSPECT FENCE POSTS TO ENSURE THAT THEY ARE PROPERLY SUPPORTING THE FENCE. IF NECESSARY, THE CONTRACTOR SHALL RESET AND ADD POSTS.
13. IF FILTER FABRIC IS RIPPED, DAMAGED, OR DETERIORATED, THE CONTRACTOR SHALL REPLACE IT IN ACCORDANCE WITH THE ORIGINAL SPECIFICATIONS AND DETAILS (MAINTENANCE OF THE SILT FENCE SHALL BE AT THE CONTRACTOR'S OWN EXPENSE).
14. TOWN OF ADDISON TO R&S ALL IRRIGATION HEADS, VALVES, BOOSTER PUMP, AND OTHER EQUIPMENT FROM AREAS TO BE DISTURBED. CONTRACTOR TO R&D ALL RELATED IRRIGATION PIPING. IRRIGATION PIPING, HEADS, VALVES, ETC. IN EXISTING TREE PITS TO REMAIN SHALL BE PROTECTED.
15. ALL EXCAVATION SHALL BE UNCLASSIFIED. REFER TO GEOTECHNICAL REPORT, SPECIFICATION, APPENDIX A.
16. ALL SALVAGED ITEMS ARE TO BE DELIVERED TO THE TOWN OF ADDISON, KELLWAY LIFT STATION, 4245 KELLWAY CIRCLE, ADDISON, TX 75001.



ADDENDUM #2	10-21-02
ISSUED FOR CONSTRUCTION	09-30-02
No. Description	Date

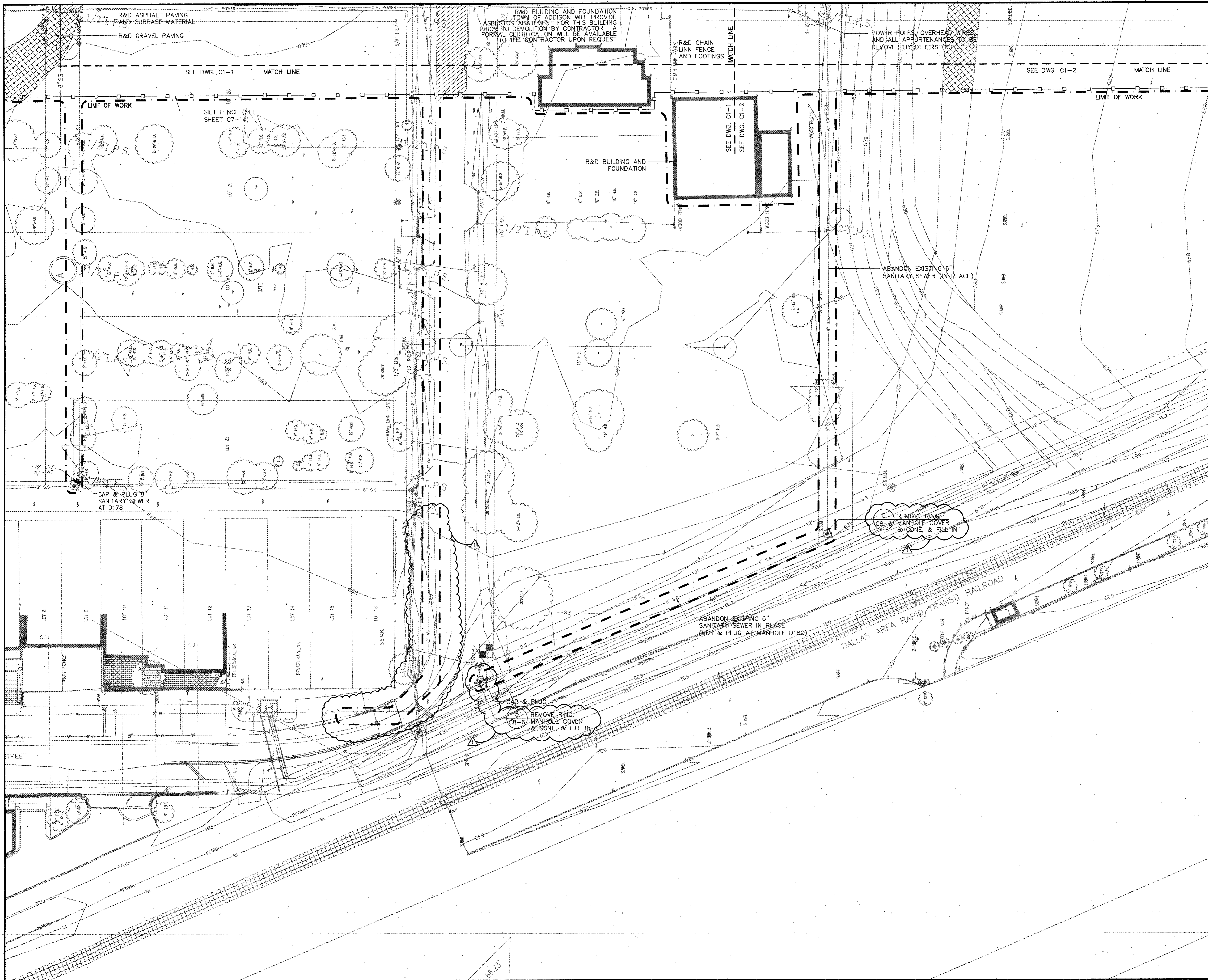


Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

Drawing Title:  
**SITE PREPARATION/DEMOLITION/EROSION CONTROL PLAN**

Project No. 14516.00 Scale: 1"=20'-0"  
 Drawn By: SM  
 Checked By: TC  
 Approved By: SEH  
 Date: September 30, 2002

Drawing No. **C1-2**



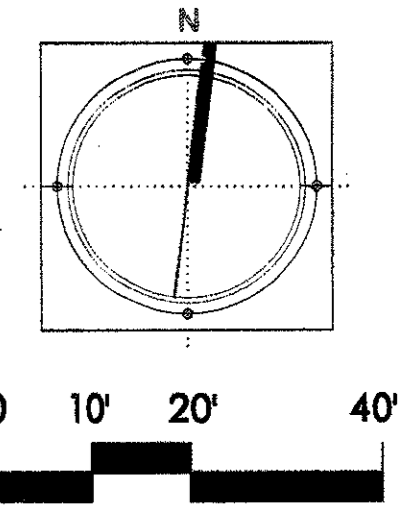
**LEGEND**

- R&S REMOVE AND SALVAGE
- R&D REMOVE AND DISPOSE
- R&D ASPHALT PAVING & SUBBASE MATERIAL
- R&D GRAVEL PAVING
- R&D CONCRETE PAVING AND SUBBASE MATERIAL
- R&S BRICK PAVERS; R&D SUBBASE MATERIAL
- TREE TO BE PROTECTED
- SILT FENCE
- R&D CATCH BASIN
- LIMIT OF WORK

ADDENDUM #2	10-21-02
ISSUED FOR CONSTRUCTION	09-30-02
No. Description	Date

DWG ISSUE & REVISION HISTORY

Stamp



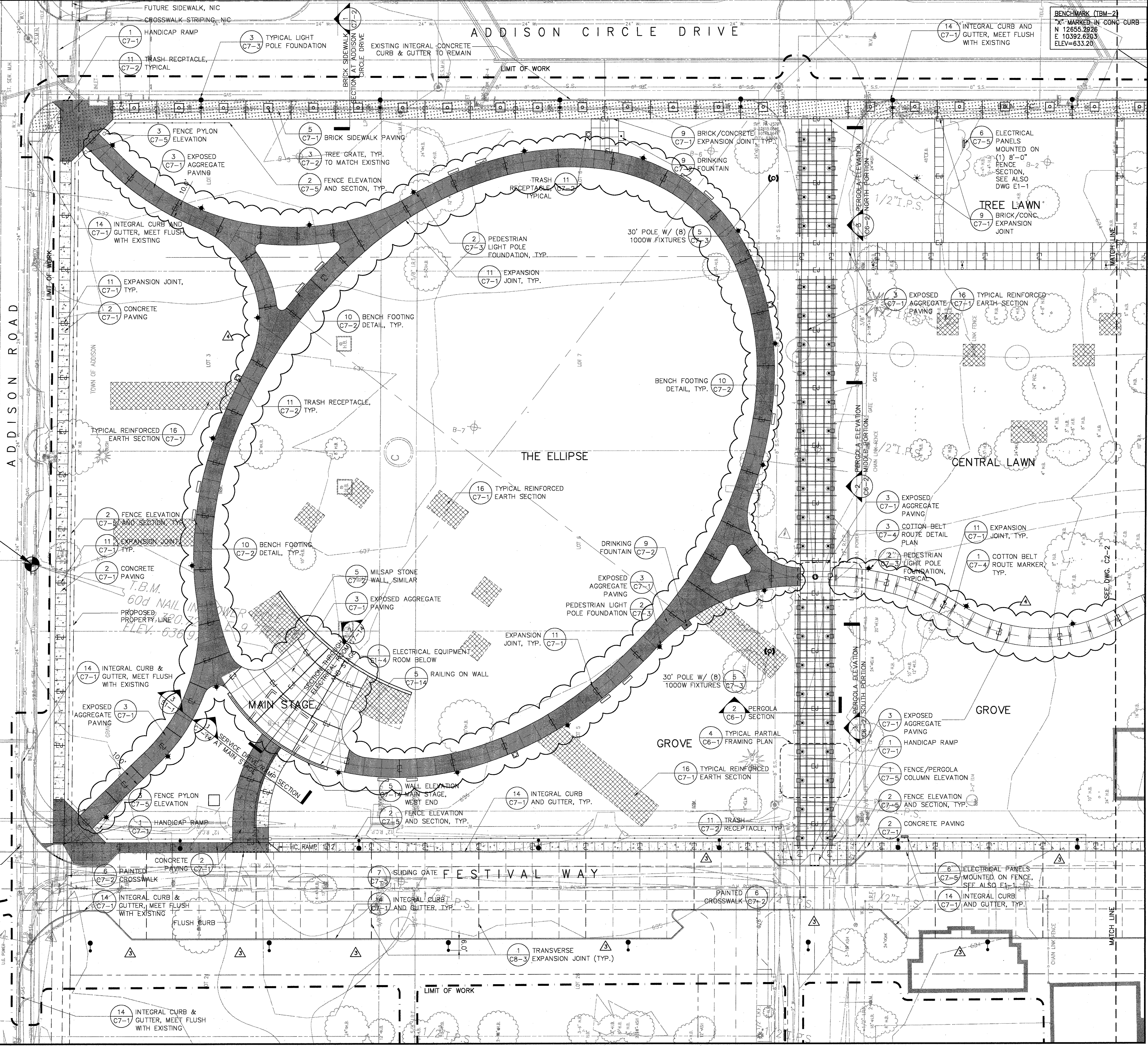
Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

Drawing Title:  
**SITE PREPARATION/  
 DEMOLITION/EROSION  
 CONTROL PLAN**

Project No. 14516.00 Scale: 1"=20'-0"  
 Drawn By: LS  
 Checked By: DC  
 Approved By: SEH  
 Date: September 30, 2002

Drawing No. **C1-3**

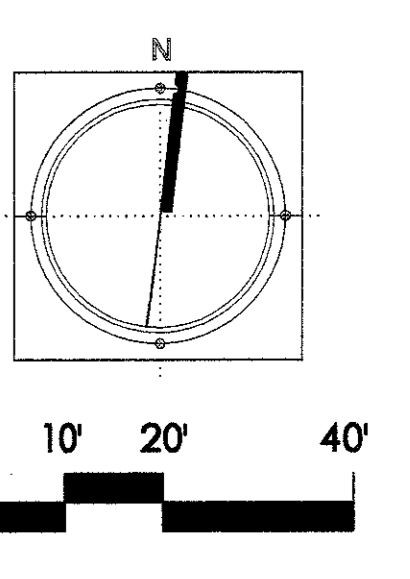
- LEGEND**
- STREET LIGHT
  - ◆ PEDESTRIAN POLE FIXTURE
  - GARDEN LIGHT
  - ⊗ DOUBLE LIGHT POLE W/ BANNERS
  - \* WATER GARDEN POLE FIXTURE
  - FOUNTAIN AND FENCE PYLON
  - ∨ WATER GARDEN POOL LIGHT
  - ∩ WATER GARDEN CHANNEL LIGHT
  - ✕ PLAZA FOUNTAIN UPLIGHT
  - STEP LIGHT
  - TRELLIS LIGHTING-2 PER COLUMN
  - (C) 30' POLE W/ (8) 1000W FIXTURES
  - ⊕ B7 BORING LOCATION
  - - - TRAVERSE JOINTS
  - BRICK PAVING
  - EXPOSED AGGREGATE CONCRETE PAVING
  - CONCRETE PAVING
  - EXTRA HEAVY LOADING PAVEMENT (FOR BRICK, EXPOSED AGGREGATE, AND CONCRETE PAVING) CONTRACTOR TO PROVIDE 8" DEPTH CONCRETE SLAB



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BULLETIN #4	04-14-03
BULLETIN #2	03-10-03
ISSUED FOR CONSTRUCTION	11-26-02
ADDENDUM #2	10-21-02
ISSUED FOR CONSTRUCTION	09-30-02
No. Description	Date

DWG ISSUE & REVISION HISTORY



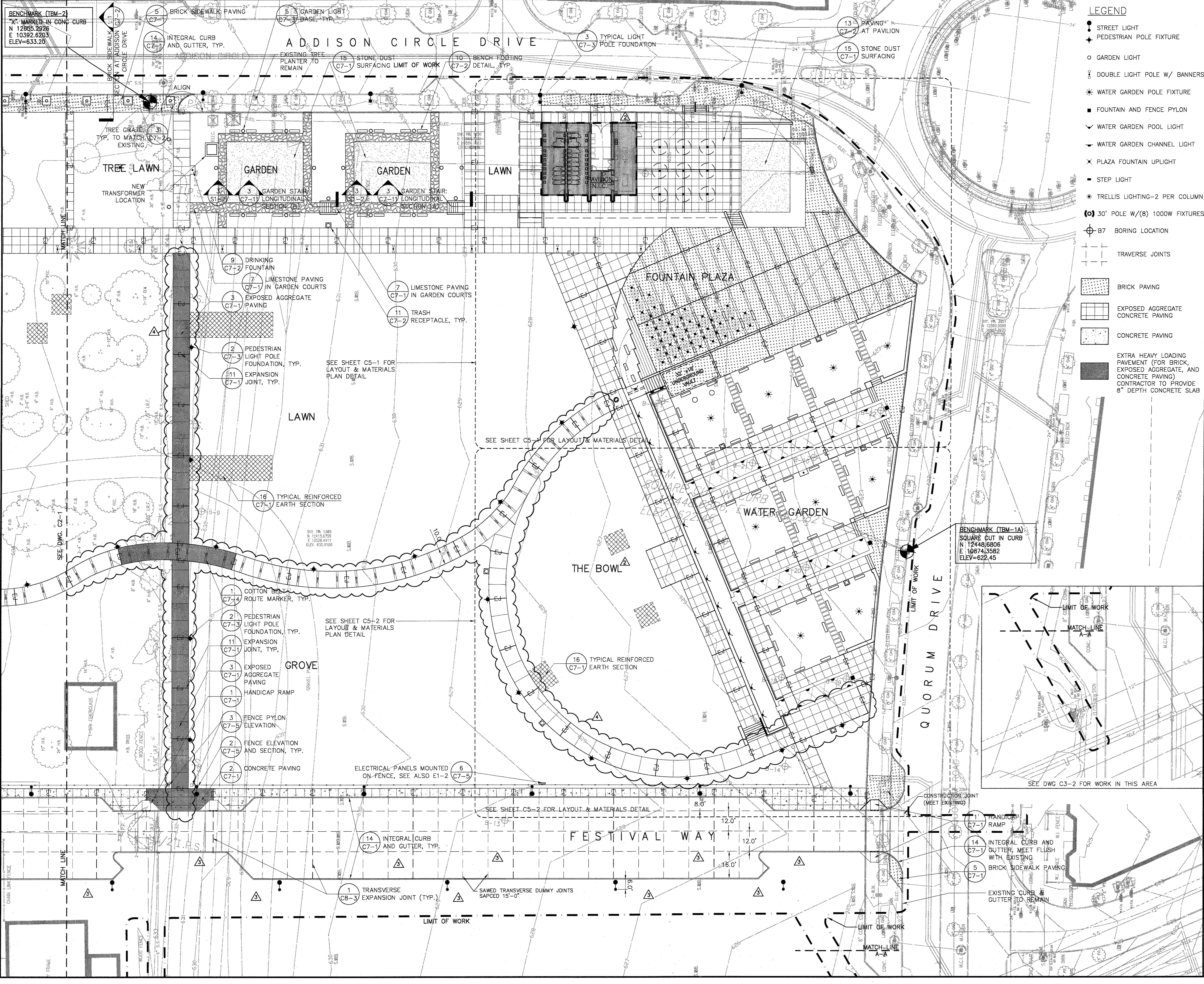
Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

Drawing Title:  
**MATERIALS PLAN**

Project No. 14516.00 Scale: 1"=20'-0"  
 Drawn By: CB  
 Checked By: DC  
 Approved By: SEH  
 Date: September 30, 2002

Drawing No. **C2-1**





**LEGEND**

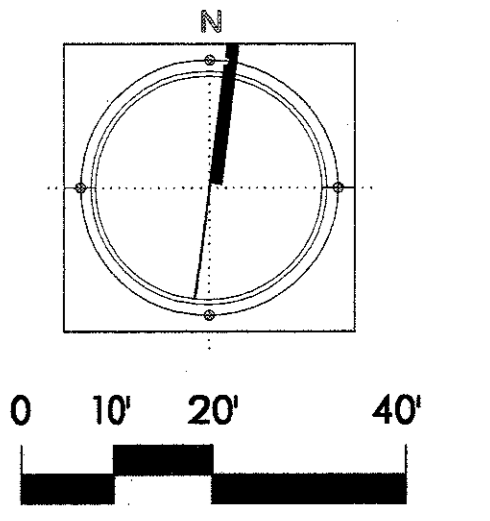
- STREET LIGHT
- ◆ PEDESTRIAN POLE FIXTURE
- GARDEN LIGHT
- ⊕ DOUBLE LIGHT POLE W/ BANNERS
- ✱ WATER GARDEN POLE FIXTURE
- FOUNTAIN AND FENCE PYLON
- ∨ WATER GARDEN POOL LIGHT
- ↘ WATER GARDEN CHANNEL LIGHT
- ✕ PLAZA FOUNTAIN UPLIGHT
- STEP LIGHT
- TRELLIS LIGHTING-2 PER COLUMN
- (C) 30' POLE W/(8) 1000W FIXTURES
- ⊕ B7 BORING LOCATION
- TRAVERSE JOINTS
- ▨ BRICK PAVING
- ▩ EXPOSED AGGREGATE CONCRETE PAVING
- ▭ CONCRETE PAVING
- EXTRA HEAVY LOADING PAVEMENT (FOR BRICK, EXPOSED AGGREGATE, AND CONCRETE PAVING) CONTRACTOR TO PROVIDE 8" DEPTH CONCRETE SLAB

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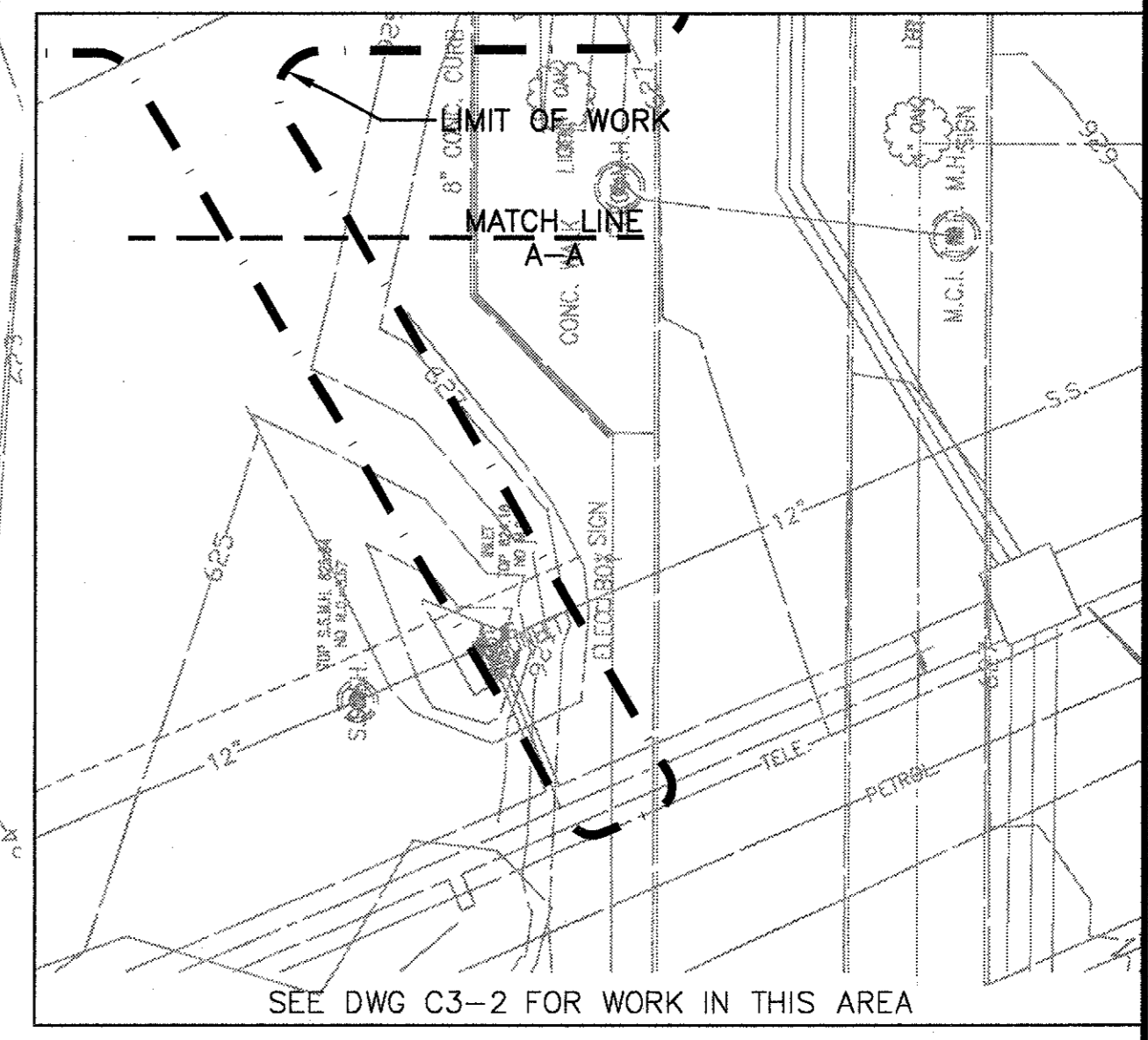
▲ BULLETIN #4	04-14-03	
▲ BULLETIN #2	03-10-03	
▲ BULLETIN #1	12-30-02	
▲ ISSUED FOR CONSTRUCTION	11-28-02	
▲ ADDENDUM #2	10-21-02	
▲ ISSUED FOR CONSTRUCTION	09-30-02	
No.	Description	Date

DWG ISSUE & REVISION HISTORY

Stamp



BENCHMARK (TRM-1A)  
 SQUARE CUT IN CURB  
 N 12448.6806  
 E 10874.3582  
 ELEV=622.45

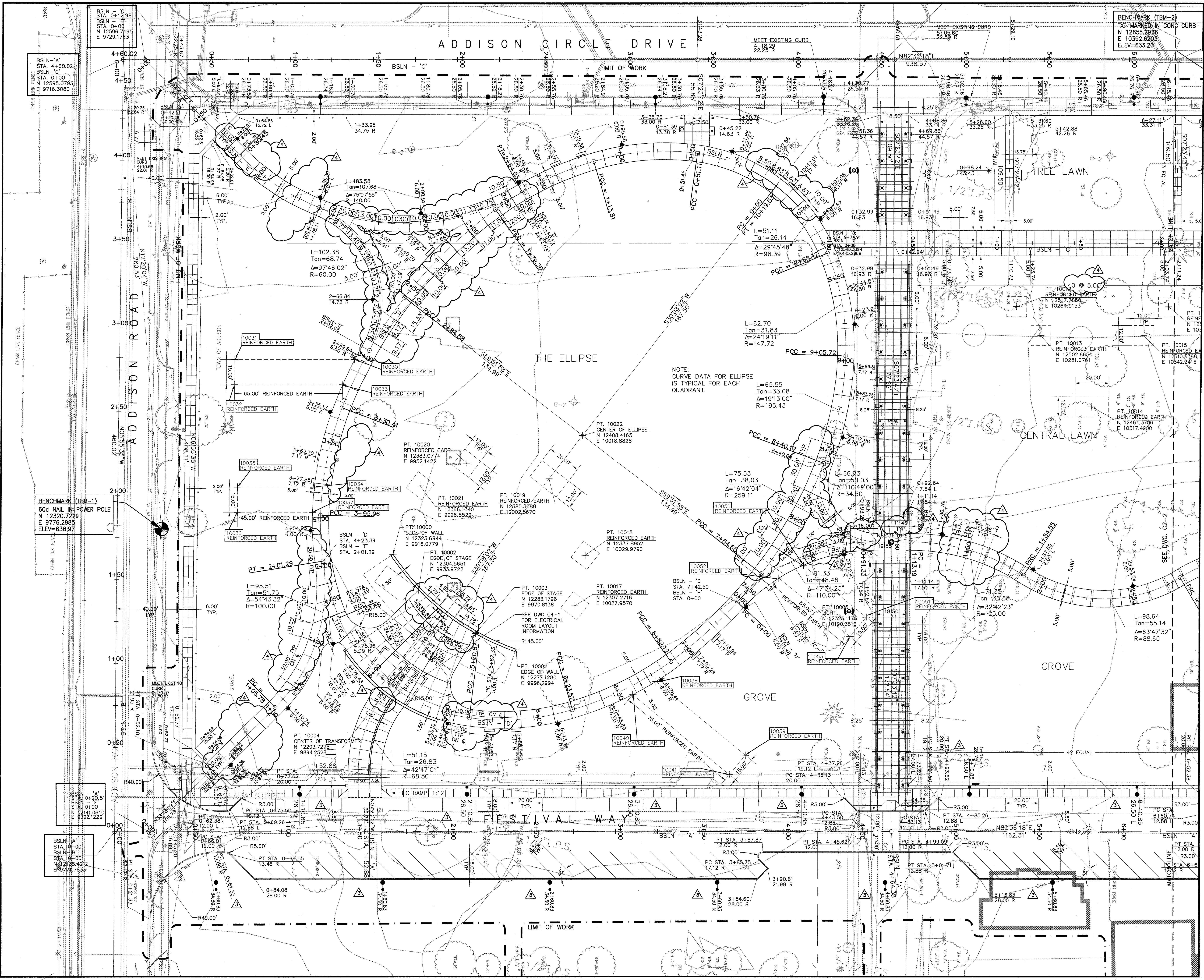


Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

Drawing Title:  
**MATERIALS PLAN**

Project No. 14516.00 Scale: 1"=20'-0"  
 Drawn By: CB  
 Checked By: DC  
 Approved By: SEH  
 Date: September 30, 2002

Drawing No. **C2-2**



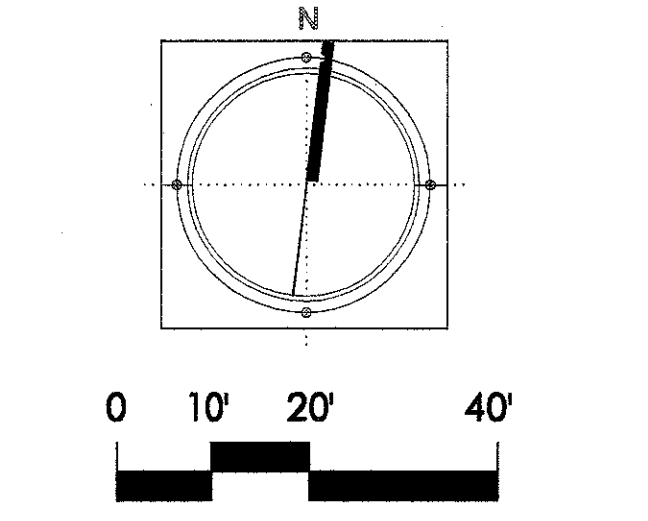
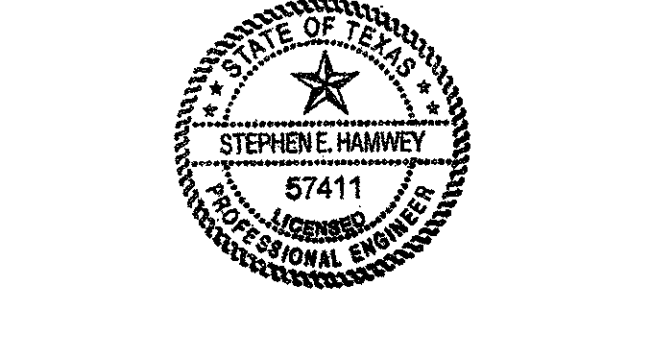
- LEGEND**
- STREET LIGHT
  - ◆ PEDESTRIAN POLE FIXTURE
  - GARDEN LIGHT
  - ⊕ DOUBLE LIGHT POLE W/ BANNERS
  - \* WATER GARDEN POLE FIXTURE
  - FOUNTAIN AND FENCE PYLON
  - ∨ WATER GARDEN POOL LIGHT
  - ↘ WATER GARDEN CHANNEL LIGHT
  - ✕ PLAZA FOUNTAIN UPLIGHT
  - STEP LIGHT
  - ⊙ TRELLIS LIGHTING-2 PER COLUMN
  - (o) 30' POLE W/(8) 1000W FIXTURES
  - ⊕ B7 BORING LOCATION

**NOTE:**  
1.) STREET LIGHT LAYOUT INFORMATION IS TO CENTER OF POLE.

▲	BULLETIN #5	04-22-03
▲	BULLETIN #2	03-10-03
▲	ISSUED FOR CONSTRUCTION	11-26-02
▲	ADDENDUM #2	10-21-02
▲	ISSUED FOR CONSTRUCTION	09-30-02
No.	Description	Date

DWG ISSUE & REVISION HISTORY

Stamp

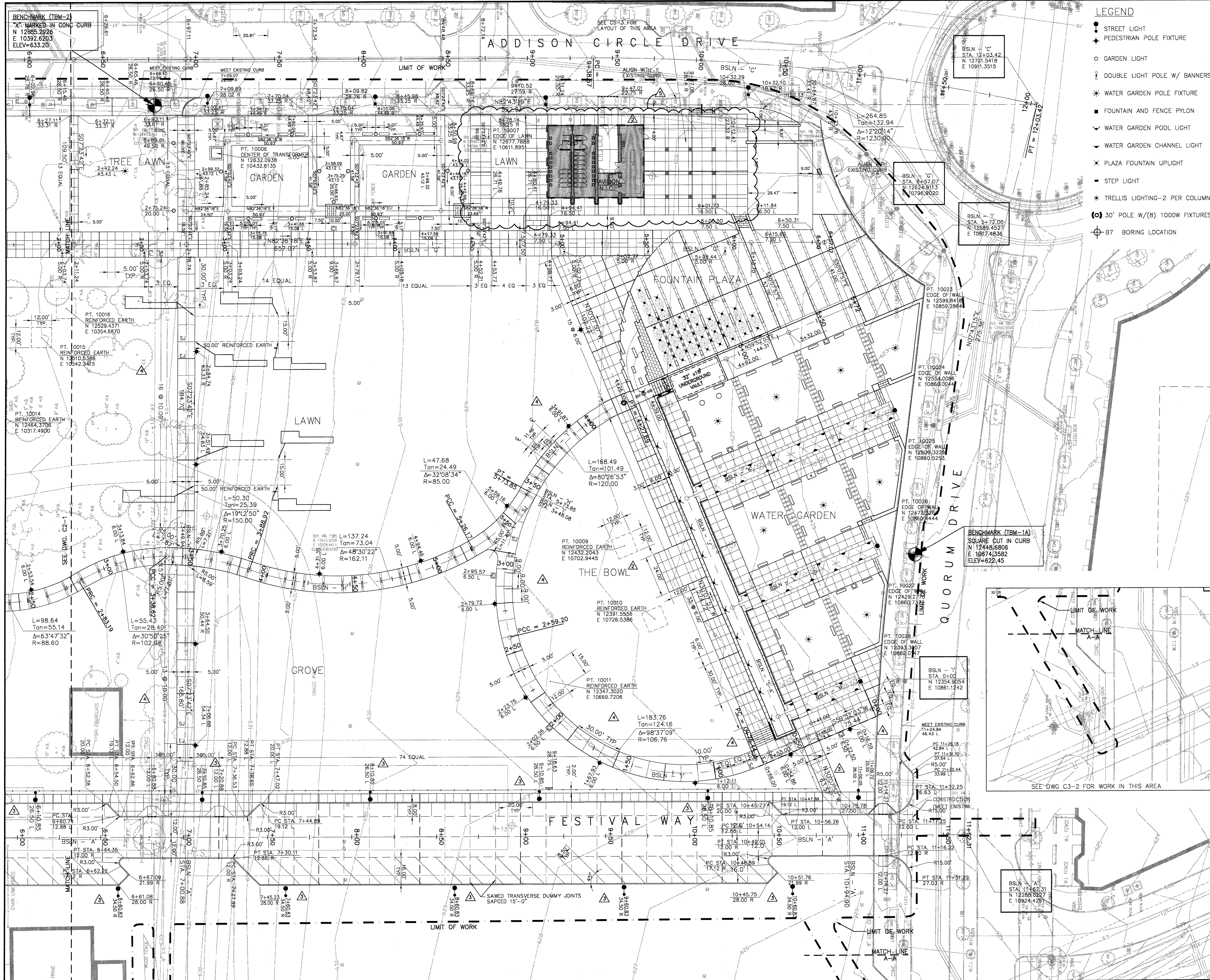


Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
ADDISON, TEXAS

Drawing Title:  
**LAYOUT PLAN**

Project No. 14516.00 Scale: 1"=20'-0"  
Drawn By: CB  
Checked By: DC  
Approved By: SEH  
Date: September 30, 2002

Drawing No. **C2-3**



- LEGEND**
- STREET LIGHT
  - ◆ PEDESTRIAN POLE FIXTURE
  - GARDEN LIGHT
  - ⊕ DOUBLE LIGHT POLE W/ BANNERS
  - \* WATER GARDEN POLE FIXTURE
  - FOUNTAIN AND FENCE PYLON
  - ∨ WATER GARDEN POOL LIGHT
  - ∩ WATER GARDEN CHANNEL LIGHT
  - ⊗ PLAZA FOUNTAIN UPLIGHT
  - STEP LIGHT
  - ⊙ TRELLIS LIGHTING-2 PER COLUMN
  - ⊕ 30' POLE W/(8) 1000W FIXTURES
  - ⊕ B7 BORING LOCATION

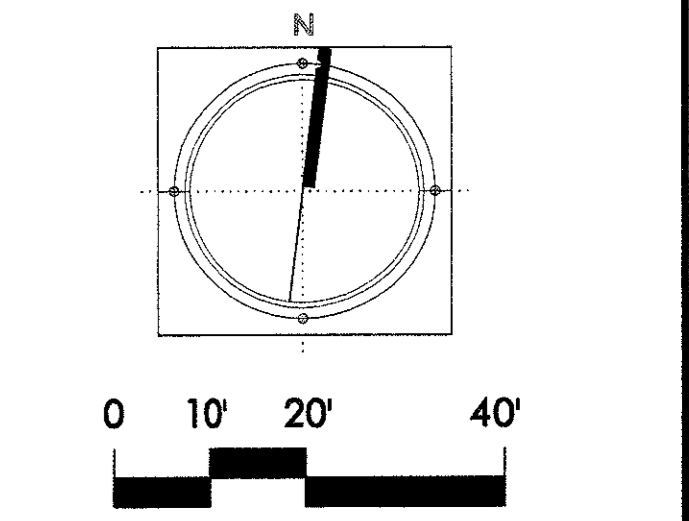


NOTE:  
1.) STREET LIGHT LAYOUT INFORMATION IS TO CENTER OF POLE.

BULLETIN #6	04-30-03
BULLETIN #5	04-22-03
BULLETIN #2	03-10-03
BULLETIN #1	12-30-02
ISSUED FOR CONSTRUCTION	11-28-02
ADDENDUM #2	10-21-02
ISSUED FOR CONSTRUCTION	09-30-02
No. Description	Date

DWG ISSUE & REVISION HISTORY

Stamp	
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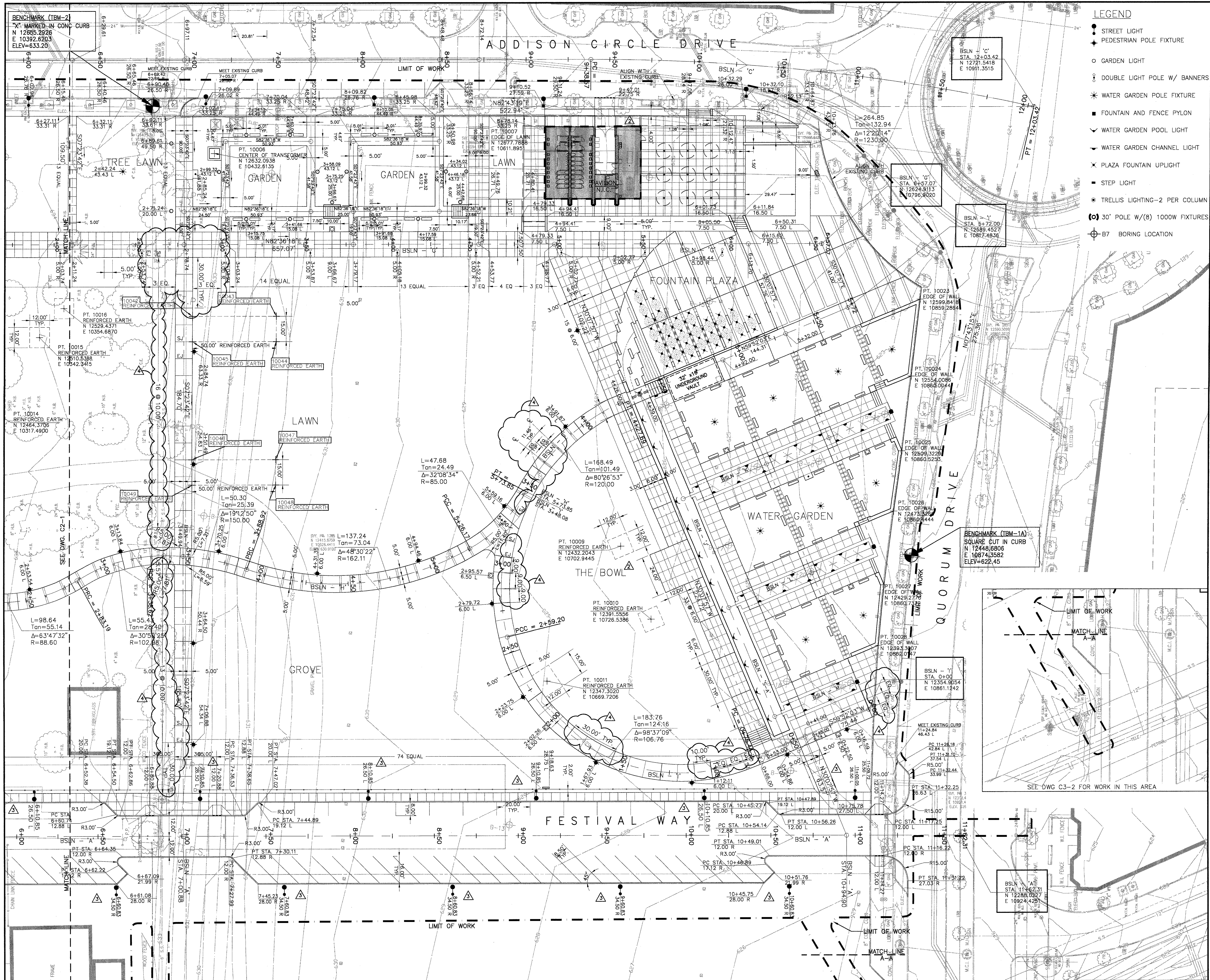


Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
ADDISON, TEXAS

Drawing Title:  
**LAYOUT PLAN**

Project No. 14516.00 Scale: 1"=20'-0"  
 Drawn By: CB  
 Checked By: DC  
 Approved By: SEH  
 Date: September 30, 2002

Drawing No. **C2-4**



- LEGEND**
- STREET LIGHT
  - ◆ PEDESTRIAN POLE FIXTURE
  - GARDEN LIGHT
  - ⦿ DOUBLE LIGHT POLE W/ BANNERS
  - ✱ WATER GARDEN POLE FIXTURE
  - FOUNTAIN AND FENCE PYLON
  - ▽ WATER GARDEN POOL LIGHT
  - ▼ WATER GARDEN CHANNEL LIGHT
  - ✕ PLAZA FOUNTAIN UPLIGHT
  - STEP LIGHT
  - TRELLIS LIGHTING-2 PER COLUMN
  - ⊙ 30' POLE W/(B) 1000W FIXTURES
  - ⊕ B7 BORING LOCATION

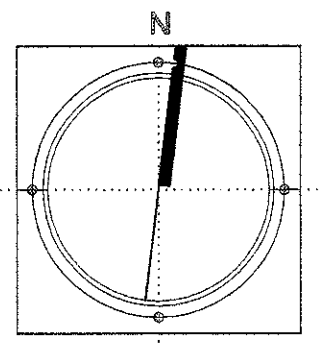
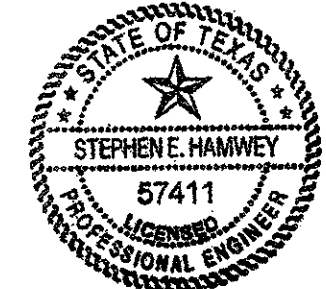


NOTE:  
1.) STREET LIGHT LAYOUT INFORMATION IS TO CENTER OF POLE.

▲ BULLETIN #5	04-22-03
▲ BULLETIN #2	03-10-03
▲ BULLETIN #1	12-30-02
▲ ISSUED FOR CONSTRUCTION	11-26-02
▲ ADDENDUM #2	10-21-02
▲ ISSUED FOR CONSTRUCTION	09-30-02
No. Description	Date

DWG ISSUE & REVISION HISTORY

Stamp



Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
ADDISON, TEXAS

Drawing Title:  
**LAYOUT PLAN**

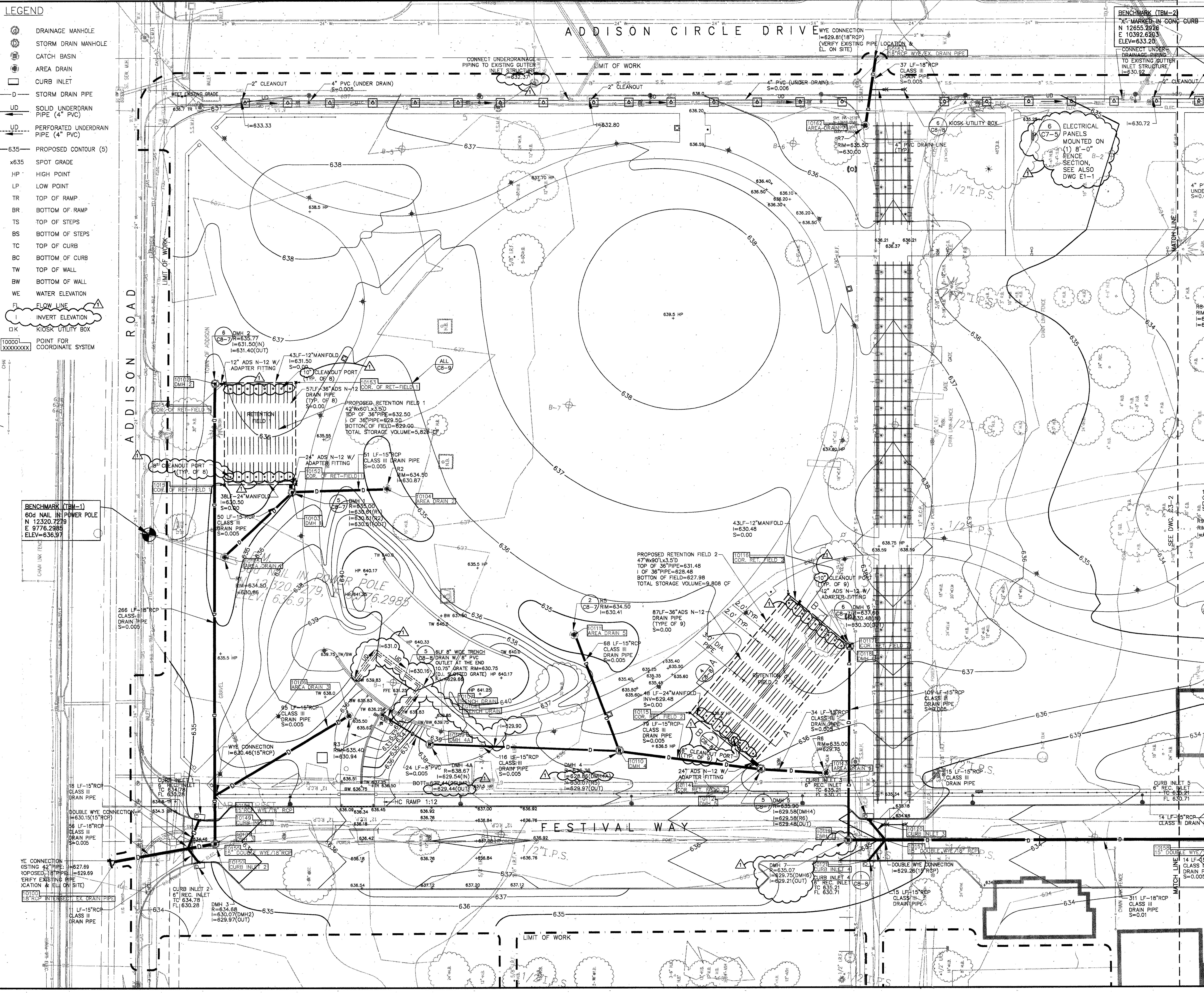
Project No. 14516.00 Scale: 1"=20'-0"  
 Drawn By: CB  
 Checked By: DC  
 Approved By: SEH  
 Date: September 30, 2002

Drawing No. **C2-4**

**LEGEND**

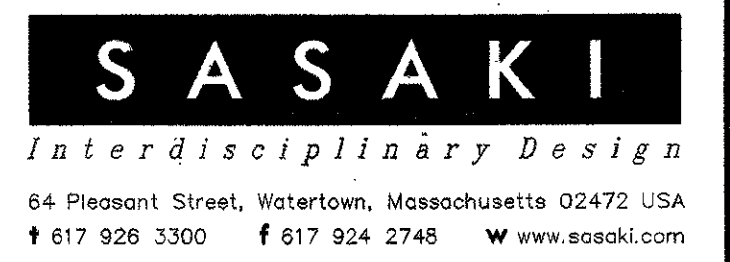
- ⊙ DRAINAGE MANHOLE
- ⊙ STORM DRAIN MANHOLE
- ⊙ CATCH BASIN
- ⊙ AREA DRAIN
- ⊙ CURB INLET
- D — STORM DRAIN PIPE
- UD — SOLID UNDERDRAIN PIPE (4" PVC)
- UD — PERFORATED UNDERDRAIN PIPE (4" PVC)
- 635 — PROPOSED CONTOUR (S)
- x635 SPOT GRADE
- HP HIGH POINT
- LP LOW POINT
- TR TOP OF RAMP
- BR BOTTOM OF RAMP
- TS TOP OF STEPS
- BS BOTTOM OF STEPS
- TC TOP OF CURB
- BC BOTTOM OF CURB
- TW TOP OF WALL
- BW BOTTOM OF WALL
- WE WATER ELEVATION
- FI FLOW LINE
- I INVERT ELEVATION
- ⊙ KIOSK UTILITY BOX
- 10000 POINT FOR COORDINATE SYSTEM

**ADDISON CIRCLE DRIVE**



BENCHMARK (TRM-2)  
 X MARKED IN CONC CURB  
 N 12655.2926  
 E 10392.6203  
 ELEV=633.20

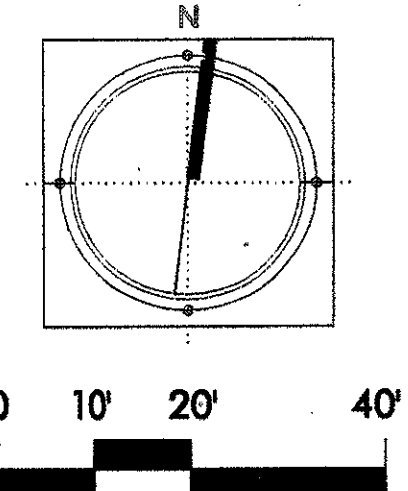
BENCHMARK (TRM-1)  
 60d NAL IN POWER POLE  
 N 12320.7279  
 E 9776.2985  
 ELEV=636.97



ADDENDUM #2	10-21-02
ISSUED FOR CONSTRUCTION	09-30-02
No. Description	Date

DWG ISSUE & REVISION HISTORY

Stamp

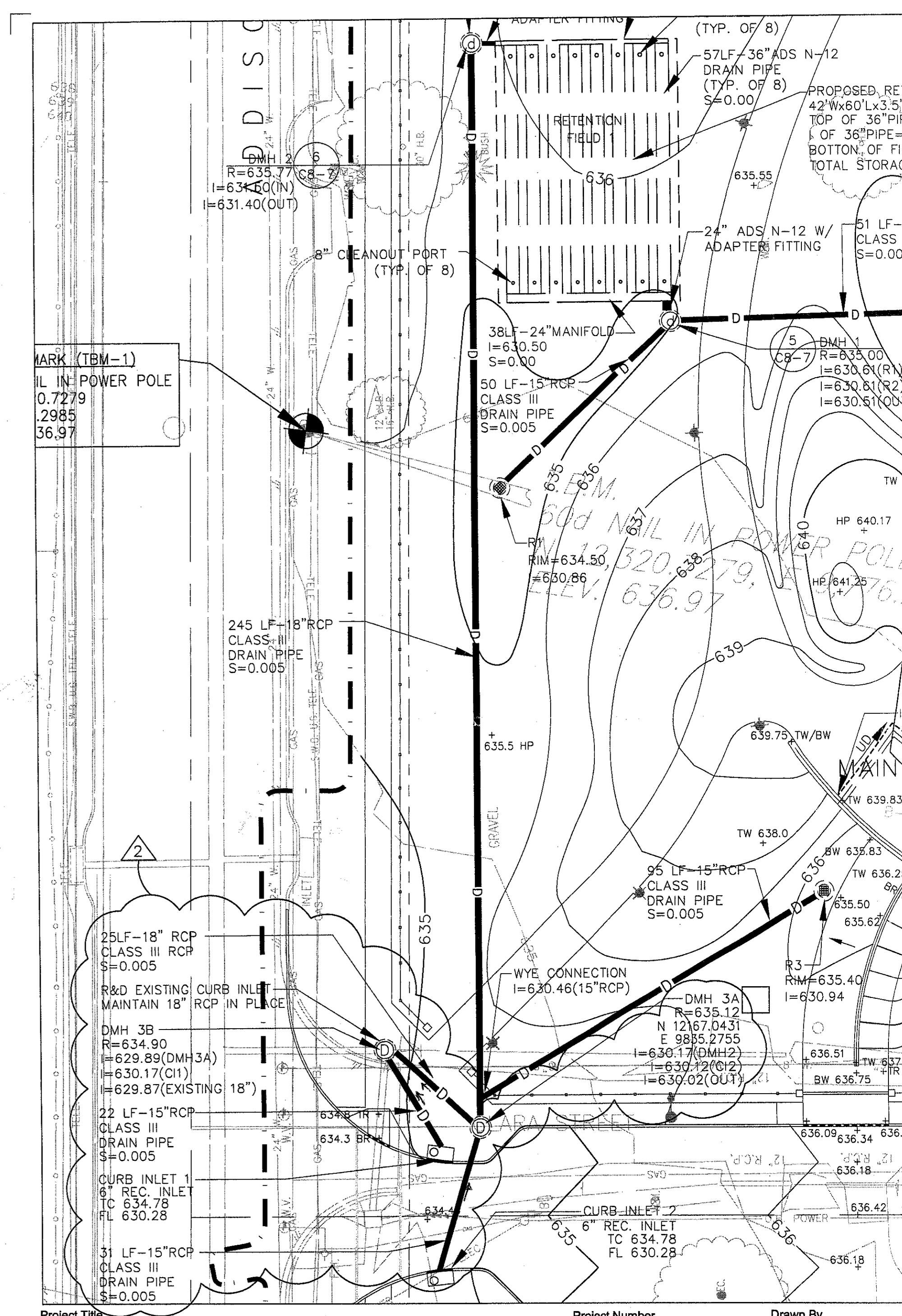


Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

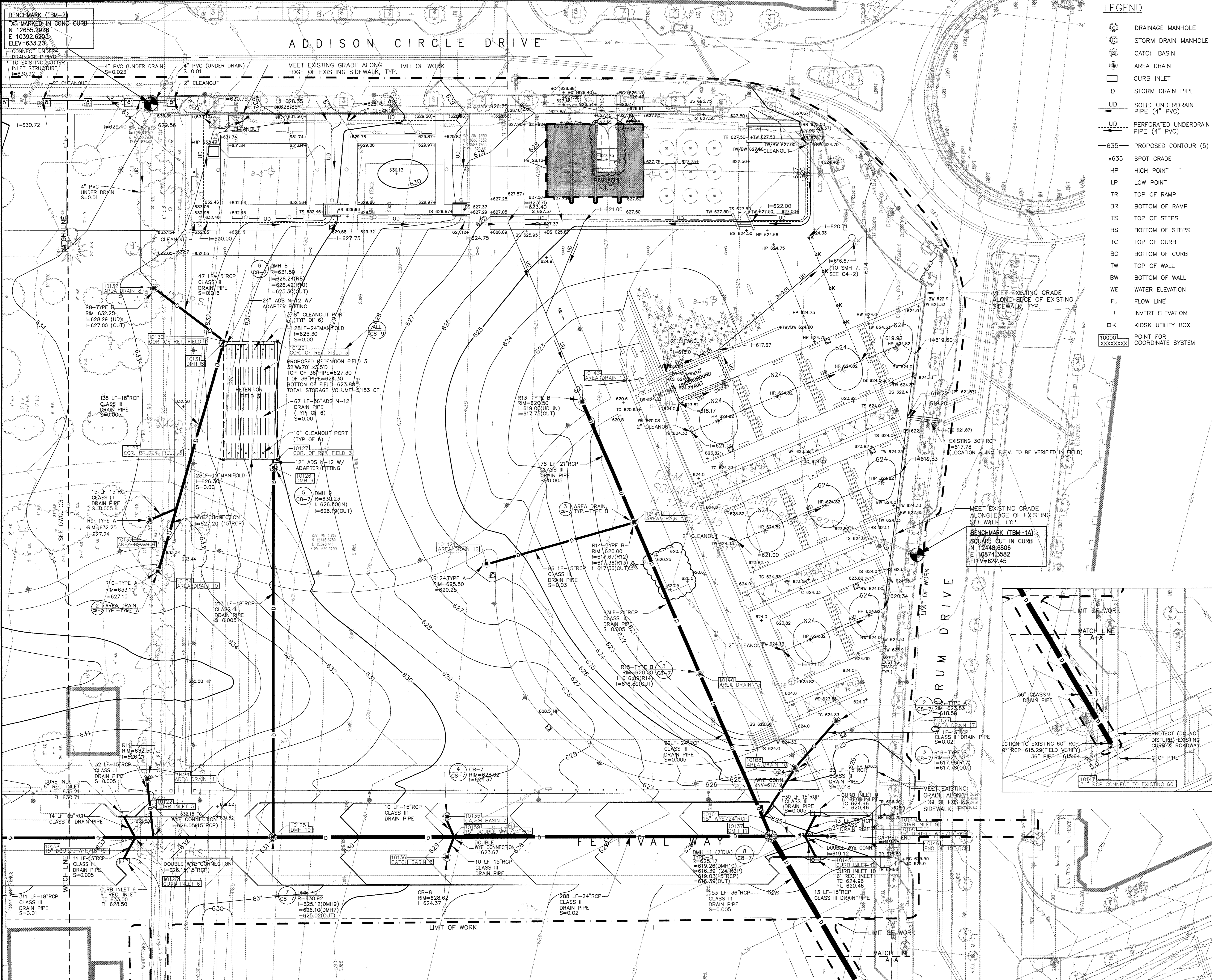
Drawing Title:  
**GRADING & DRAINAGE PLAN**

Project No. 14516.00 Scale: 1"=20'-0"  
 Drawn By: SM  
 Checked By: TC  
 Approved By: SEH  
 Date: September 30, 2002

Drawing No. **C3-1**



Project Title	Project Number	Drawn By
<b>Addison Arts and Events District</b>	14516.05	TC/SM
Drawing Title	Ref. Dwg Number	Scale
<b>DRAINAGE REVISIONS AT FESTIVAL WAY / ADDISON ROAD</b>	C3-1	1"=20'-0"
	Drawing Number	Date
	41/03	
	Revision	Drawing Number
	4/4/03	SK-13



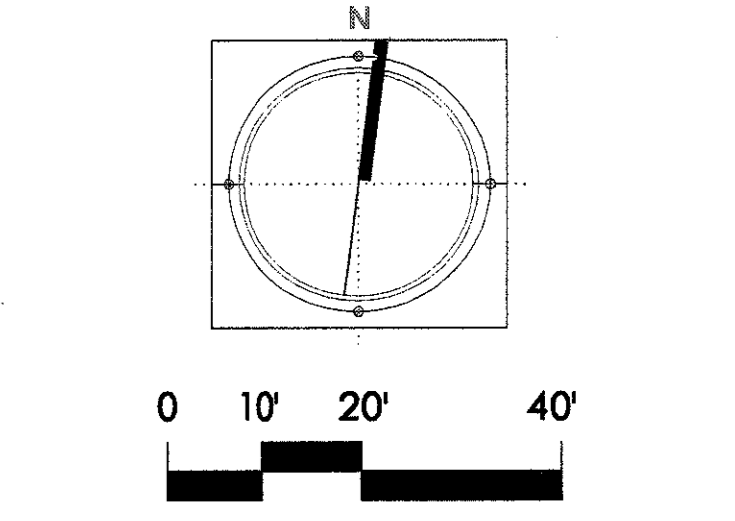
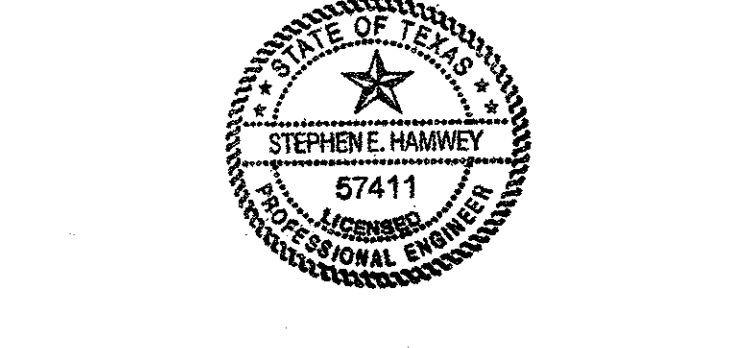
**LEGEND**

- DRAINAGE MANHOLE
- STORM DRAIN MANHOLE
- CATCH BASIN
- AREA DRAIN
- CURB INLET
- STORM DRAIN PIPE
- 
- 
- PROPOSED CONTOUR (5')
- SPOT GRADE
- HP HIGH POINT
- LP LOW POINT
- TR TOP OF RAMP
- BR BOTTOM OF RAMP
- TS TOP OF STEPS
- BS BOTTOM OF STEPS
- TC TOP OF CURB
- BC BOTTOM OF CURB
- TW TOP OF WALL
- BW BOTTOM OF WALL
- WE WATER ELEVATION
- FL FLOW LINE
- I INVERT ELEVATION
- KIOSK UTILITY BOX
- POINT FOR COORDINATE SYSTEM

**SASAKI**  
*Interdisciplinary Design*  
 64 Pleasant Street, Watertown, Massachusetts 02472 USA  
 P 617 926 3300 F 617 924 2748 W www.sasaki.com

	BULLETIN #1	12-30-02
	ISSUED FOR CONSTRUCTION	11-26-02
	ADDENDUM #2	10-21-02
	ISSUED FOR CONSTRUCTION	09-30-02
No.	Description	Date

DWG ISSUE & REVISION HISTORY



Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

Drawing Title:  
**GRADING & DRAINAGE PLAN**

Project No. 14516.00 Scale: 1"=20'-0"  
 Drawn By: SM  
 Checked By: TC  
 Approved By: SEH  
 Date: September 30, 2002

Drawing No. **C3-2**

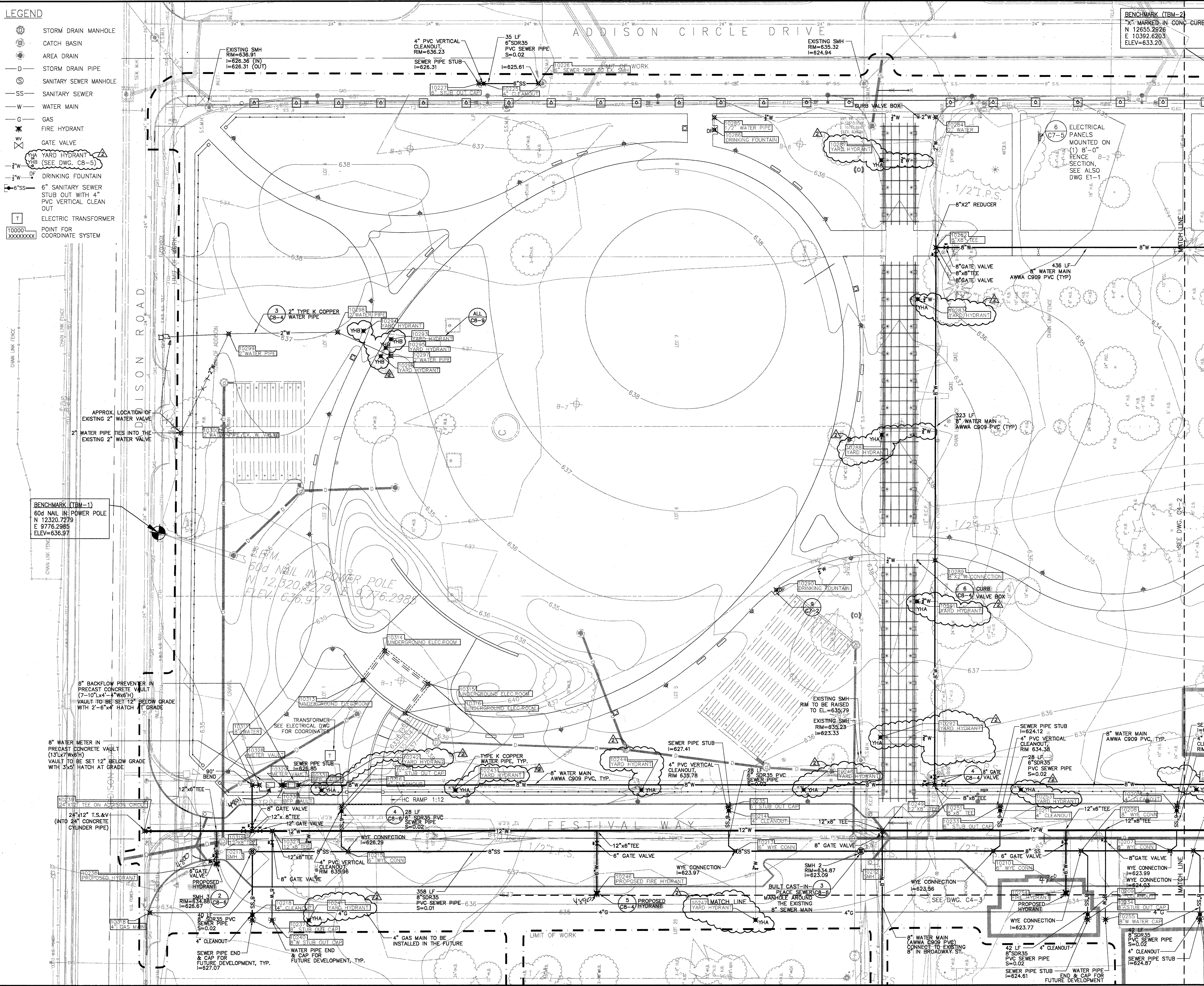
LEGEND

- ⊙ STORM DRAIN MANHOLE
- ⊕ CATCH BASIN
- ⊙ AREA DRAIN
- D — STORM DRAIN PIPE
- ⊙ SANITARY SEWER MANHOLE
- SS — SANITARY SEWER
- W — WATER MAIN
- C — GAS
- ⊙ FIRE HYDRANT
- ⊙ GATE VALVE
- ⊙ YARD HYDRANT (SEE DWG. CB-5)
- ⊙ DRINKING FOUNTAIN
- ⊙ 6" SANITARY SEWER STUB OUT WITH 4" PVC VERTICAL CLEAN OUT
- ⊙ ELECTRIC TRANSFORMER
- 10000 POINT FOR COORDINATE SYSTEM

ADDISON CIRCLE DRIVE

BENCHMARK (TBM-2)  
 "X" MARKED IN CONC CURB  
 N 12655.2926  
 E 10392.6203  
 ELEV=633.20

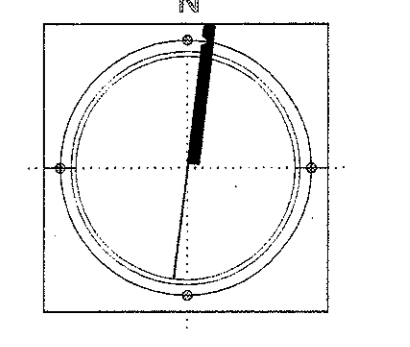
**SASAKI**  
 Interdisciplinary Design  
 64 Pleasant Street, Watertown, Massachusetts 02472 USA  
 P 617 926 3300 F 617 924 2748 W www.sasaki.com



▲	BULLETIN #1	12-30-02
▲	ISSUED FOR CONSTRUCTION	11-26-02
▲	ADDENDUM #2	10-21-02
▲	ISSUED FOR CONSTRUCTION	09-30-02
No.	Description	Date

DWG ISSUE & REVISION HISTORY

Stamp



Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

Drawing Title:  
**UTILITIES PLAN**

Project No. 14516.00 Scale: 1"=20'-0"  
 Drawn By: SM  
 Checked By: TC  
 Approved By: SEH  
 Date: September 30, 2002

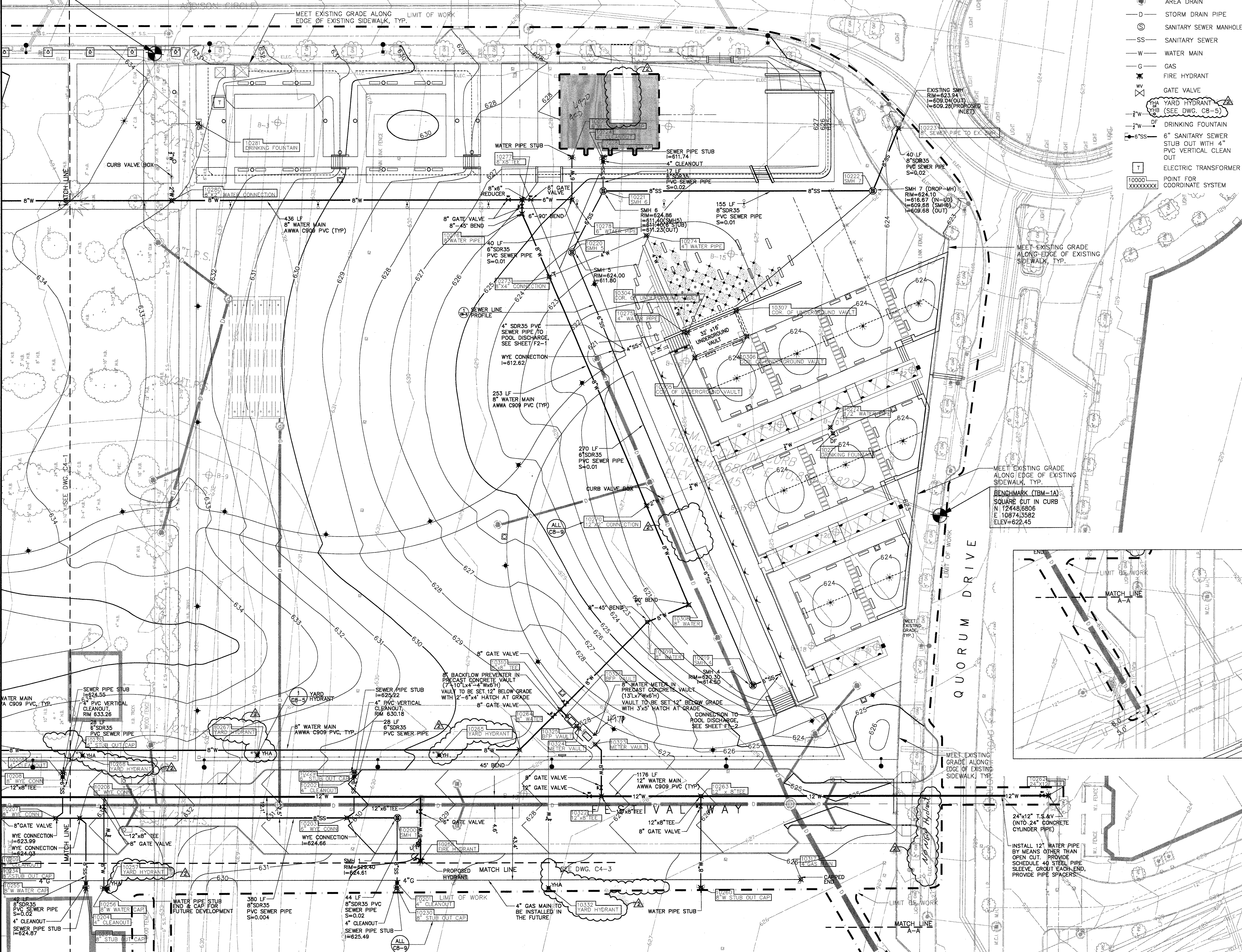
Drawing No. **C4-1**



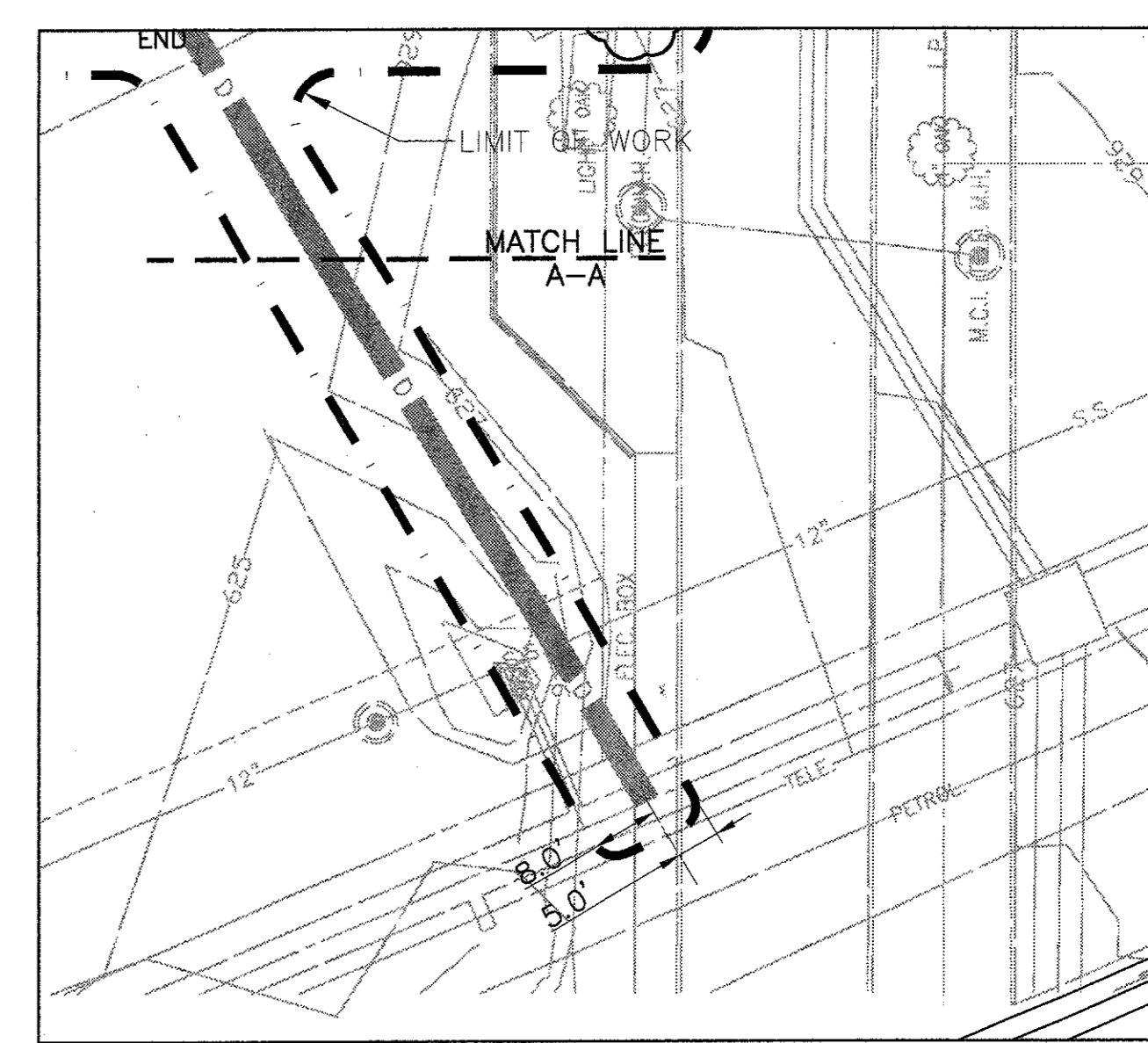
BENCHMARK (TBM-2)  
 "X" MARKED IN CONC CURB  
 N 12655.2926  
 E 10392.6203  
 ELEV=633.20

ADDISON CIRCLE DRIVE

- LEGEND**
- ⊙ STORM DRAIN MANHOLE
  - ⊙ CATCH BASIN
  - ⊙ AREA DRAIN
  - D- STORM DRAIN PIPE
  - ⊙ SANITARY SEWER MANHOLE
  - SS- SANITARY SEWER
  - W- WATER MAIN
  - G- GAS
  - ⊙ FIRE HYDRANT
  - ⊙ GATE VALVE
  - ⊙ YARD HYDRANT (SEE DWG. C8-5)
  - ⊙ DRINKING FOUNTAIN
  - ⊙ 6" SANITARY SEWER STUB OUT WITH 4" PVC VERTICAL CLEAN OUT
  - ⊙ ELECTRIC TRANSFORMER
  - 10000 XXXXXXXX POINT FOR COORDINATE SYSTEM



BENCHMARK (TBM-1A)  
 SQUARE CUT IN CURB  
 N 12448.6806  
 E 10874.3582  
 ELEV=622.45



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2	BULLETIN #1	12-30-02
	ISSUED FOR CONSTRUCTION	11-26-02
1	ADDENDUM #2	10-21-02
	ISSUED FOR CONSTRUCTION	09-30-02
No.	Description	Date

DWG ISSUE & REVISION HISTORY

Stamp

Project Title:

**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

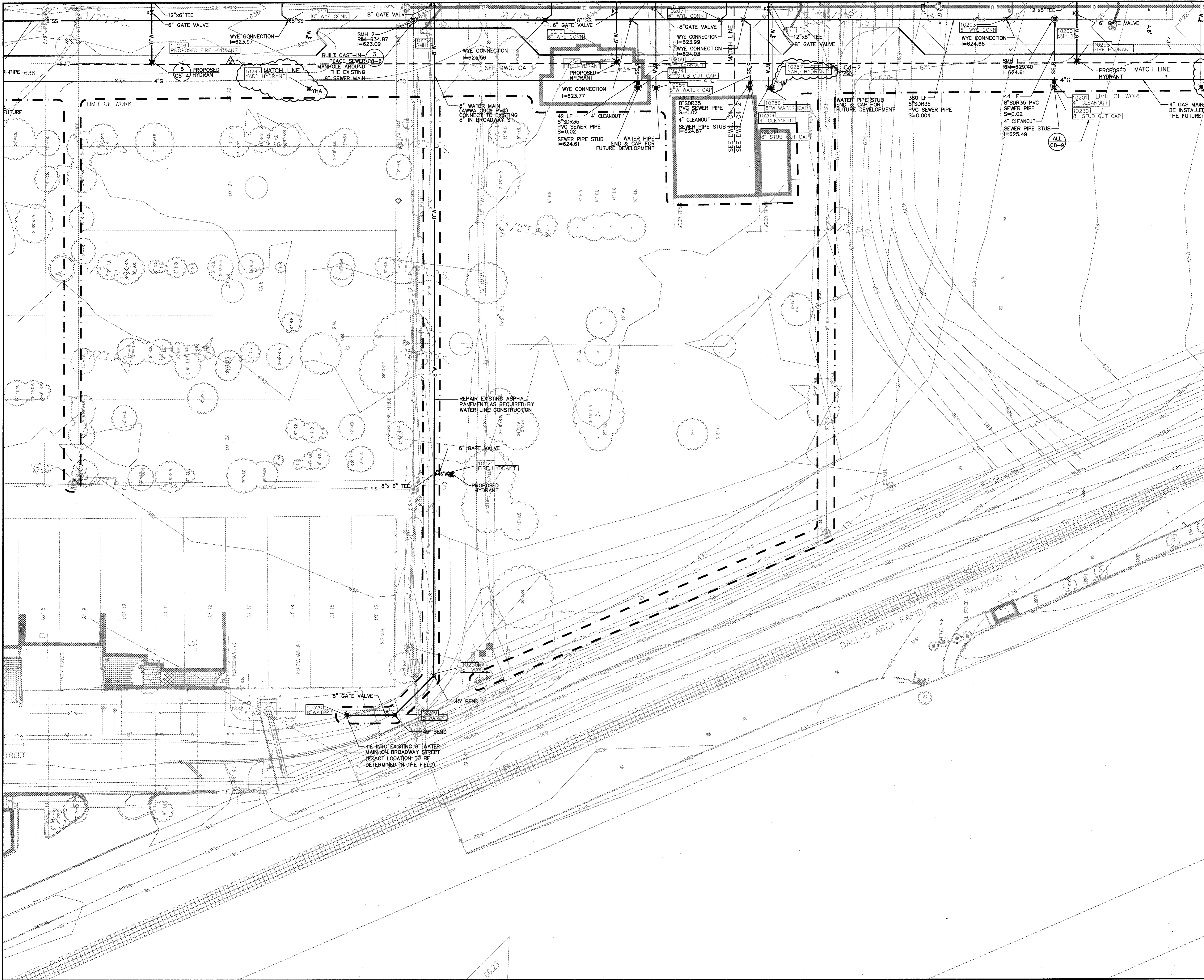
Drawing Title:

**UTILITIES PLAN**

Project No. 14516.00 Scale: 1"=20'-0"

Drawn By: SM  
 Checked By: TC  
 Approved By: SEH  
 Date: September 30, 2002

Drawing No. **C4-2**



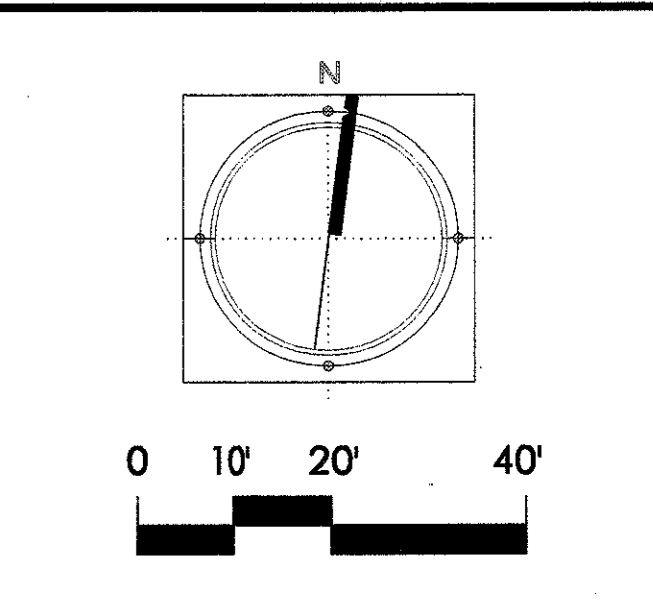
**LEGEND**

- STORM DRAIN MANHOLE
- CATCH BASIN
- AREA DRAIN
- STORM DRAIN PIPE
- SANITARY SEWER MANHOLE
- SANITARY SEWER
- WATER MAIN
- GAS
- FIRE HYDRANT
- GATE VALVE
- YARD HYDRANT (SEE DWG. C8-5)
- DRINKING FOUNTAIN
- 6" SANITARY SEWER STUB OUT WITH 4" PVC VERTICAL CLEAN OUT
- ELECTRIC TRANSFORMER
- POINT FOR COORDINATE SYSTEM

	BULLETIN #1	12-30-02
	ISSUED FOR CONSTRUCTION	11-26-02
	ADDENDUM #2	10-21-02
	ISSUED FOR CONSTRUCTION	09-30-02

DWG ISSUE & REVISION HISTORY

No.	Description	Date

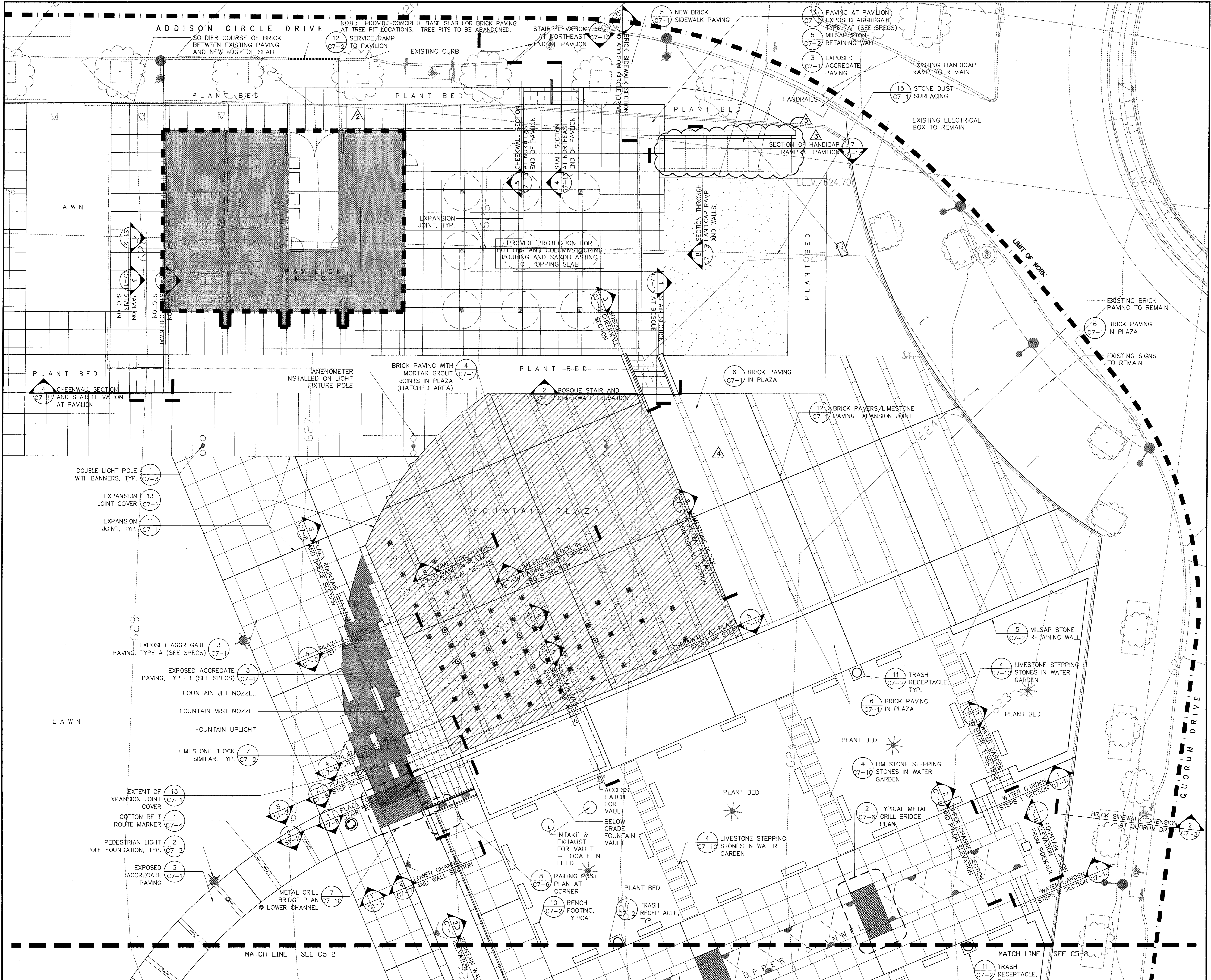


Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

Drawing Title:  
**UTILITIES PLAN**

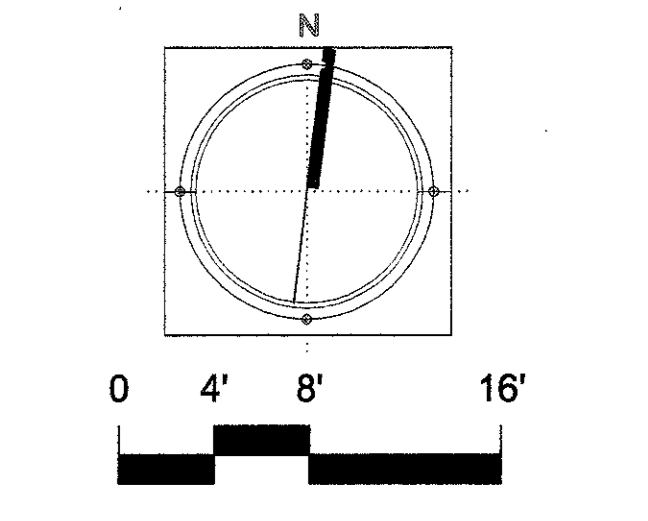
Project No. 14516.00 Scale: 1"=20'-0"  
 Drawn By: SM  
 Checked By: TC  
 Approved By: SEH  
 Date: September 30, 2002

Drawing No. **C4-3**



▲	BULLETIN #5	04-22-03
▲	BULLETIN #4	04-14-03
▲	BULLETIN #2	03-10-03
▲	BULLETIN #1	12-30-02
▲	ISSUED FOR CONSTRUCTION	11-28-02
▲	ADDENDUM #2	10-21-02
▲	ISSUED FOR CONSTRUCTION	09-30-02
No.	Description	Date

DWG ISSUE & REVISION HISTORY

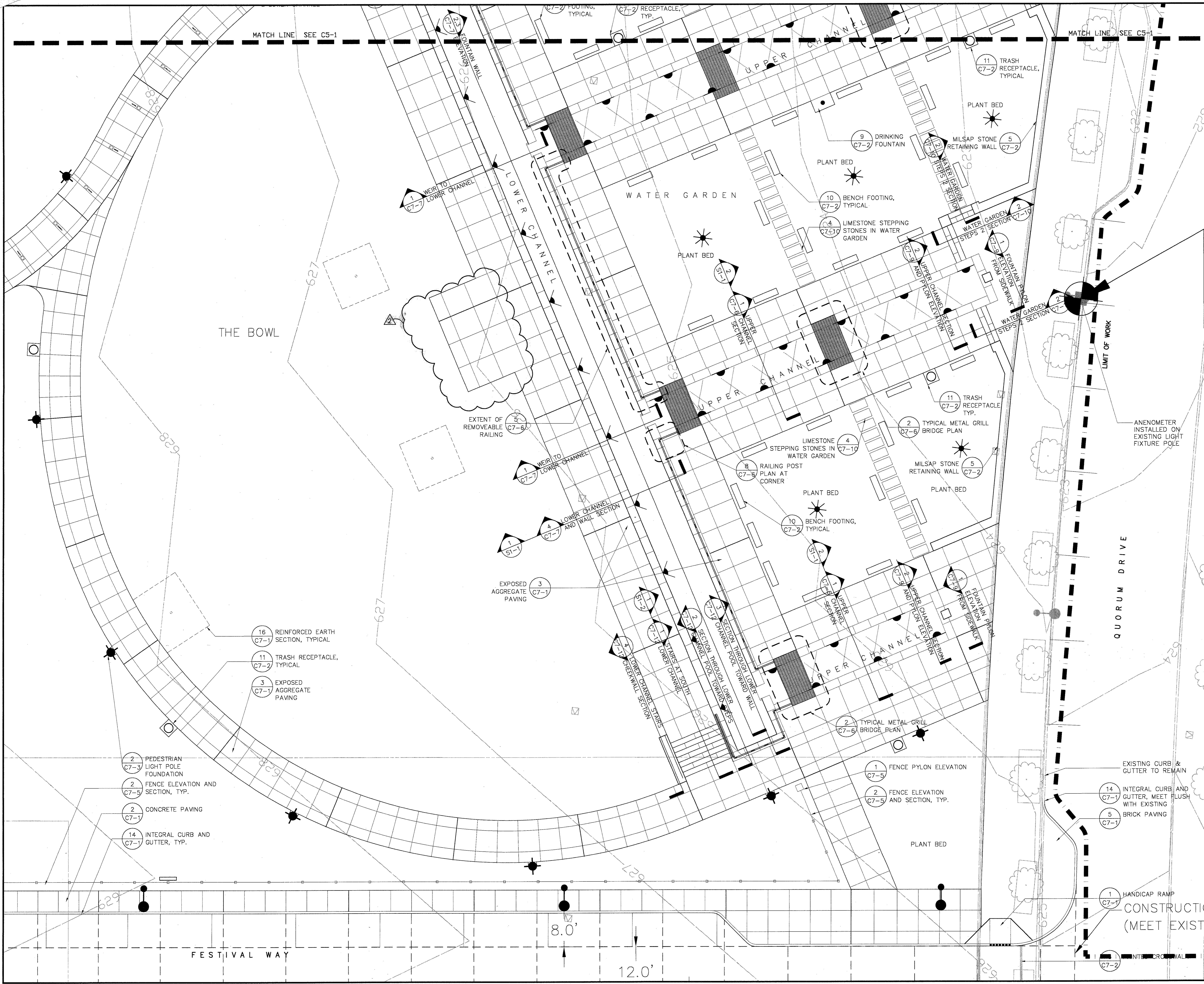


Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

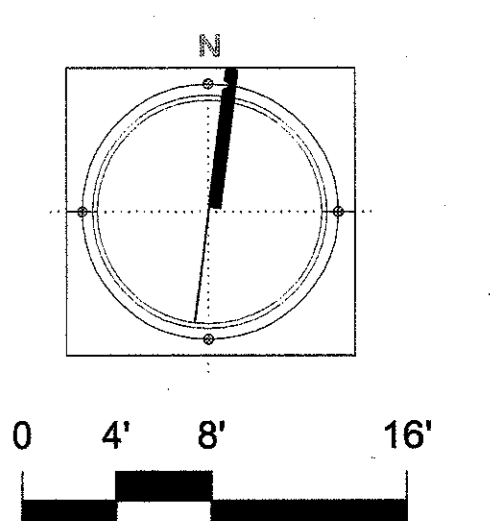
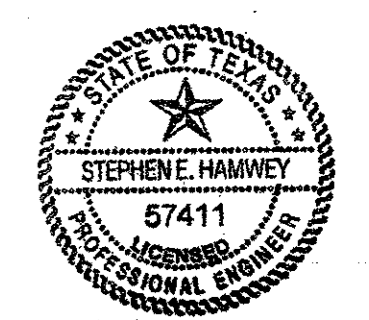
Drawing Title:  
**MATERIALS PLAN DETAIL**

Project No. 14516.00 Scale: 1/8"=1'-0"  
 Drawn By: CB  
 Checked By: DC  
 Approved By: SEH  
 Date: September 30, 2002

Drawing No. **C5-1**



BULLETIN #1	12-30-02	
ISSUED FOR CONSTRUCTION	11-28-02	
ISSUED FOR CONSTRUCTION	09-30-02	
No.	Description	Date
DWG ISSUE & REVISION HISTORY		



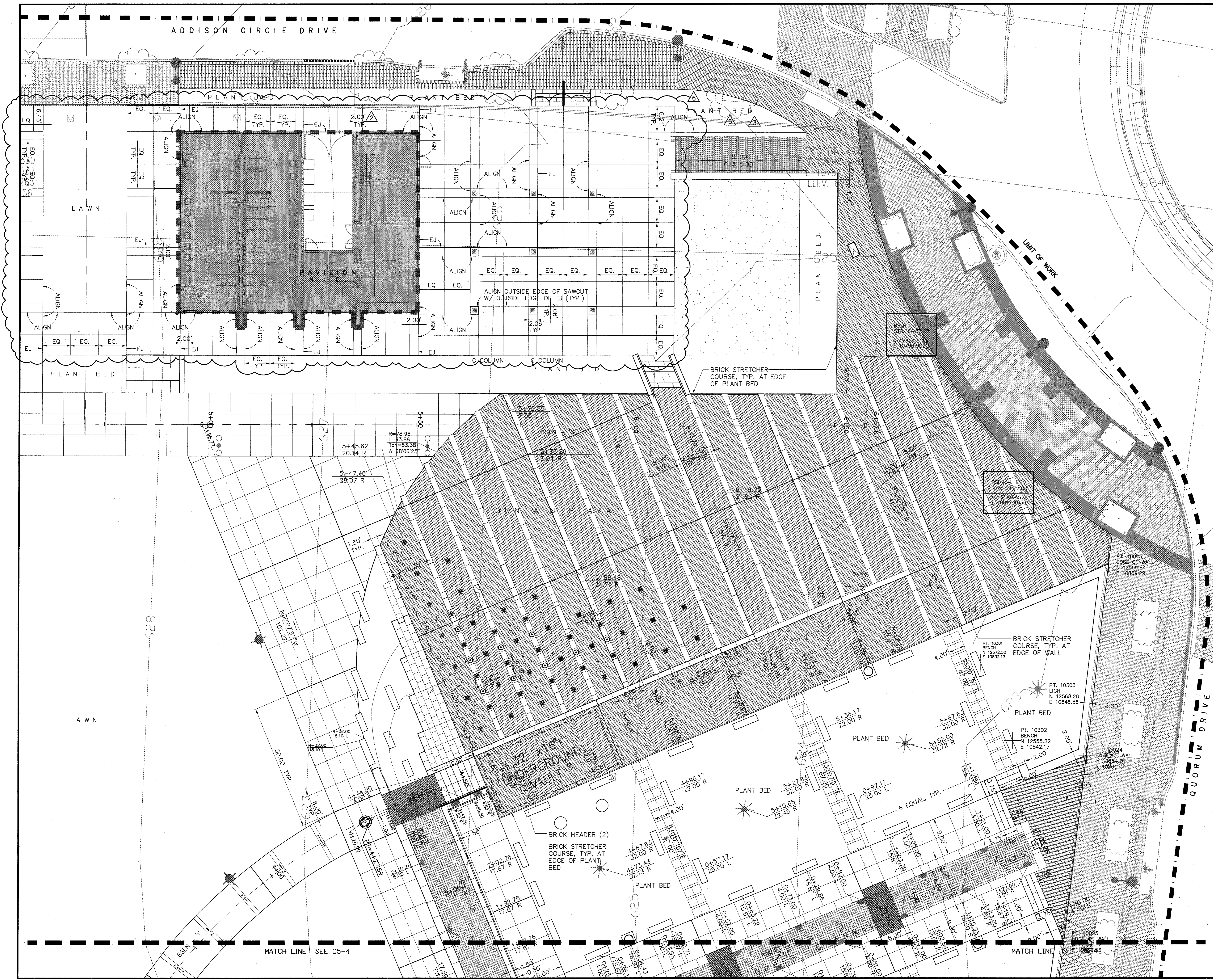
Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

Drawing Title:  
**MATERIALS PLAN DETAIL**

Project No. 14516.00 Scale: 1/8"=1'-0"  
 Drawn By: CB  
 Checked By: DC  
 Approved By: SEH  
 Date: September 30, 2002

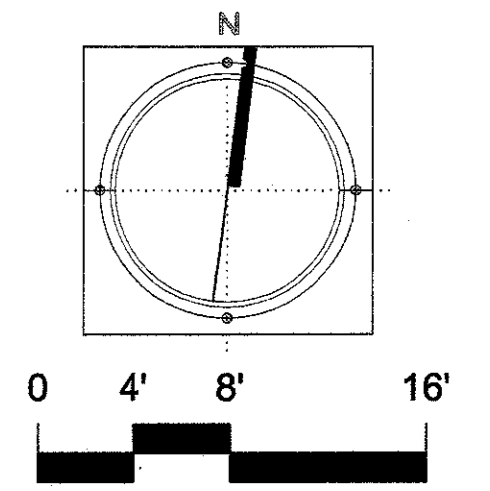
Drawing No. **C5-2**

ADDISON CIRCLE DRIVE



△	BULLETIN #6	04-30-03
△	BULLETIN #5	04-22-03
△	BULLETIN #2	03-10-03
△	BULLETIN #1	12-30-02
	ISSUED FOR CONSTRUCTION	11-26-02
	ISSUED FOR CONSTRUCTION	09-30-02
No.	Description	Date

DWG ISSUE & REVISION HISTORY	
Stamp	

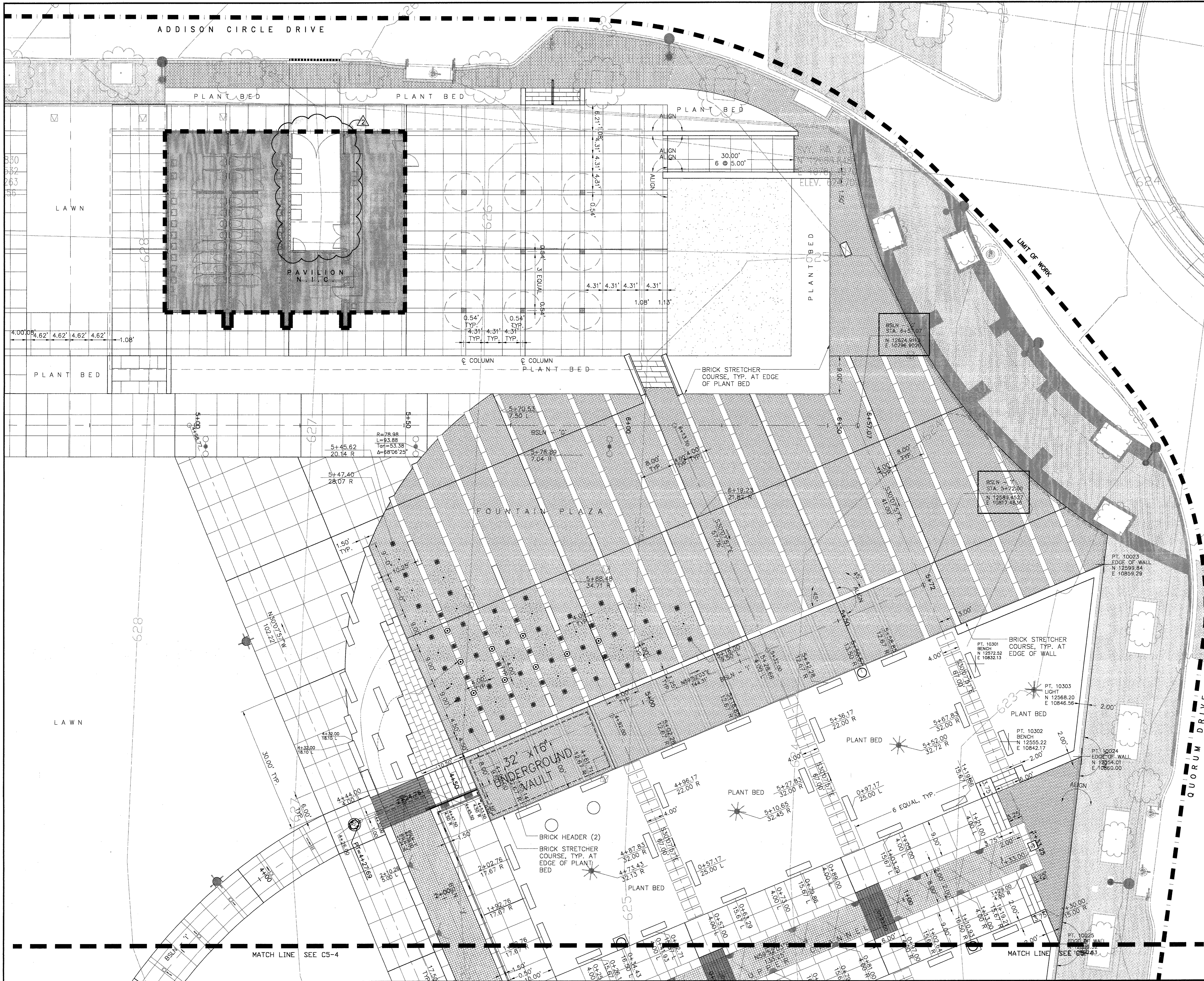


Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

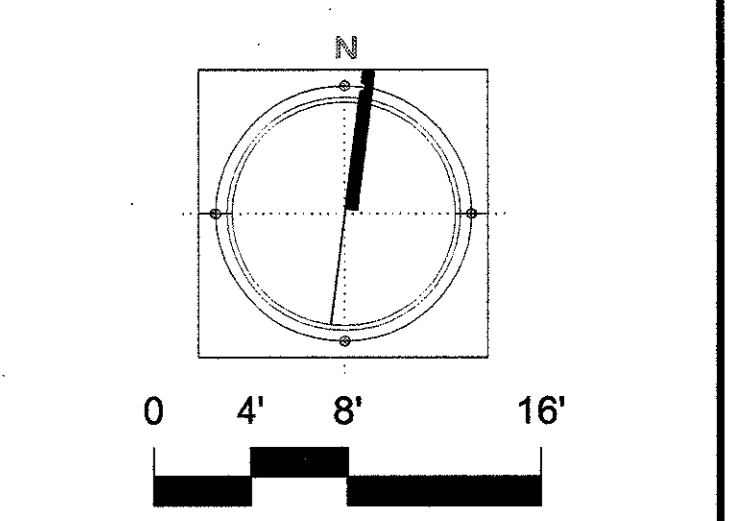
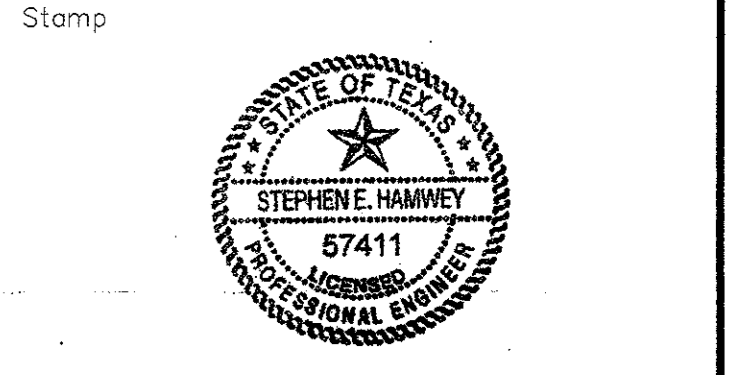
Drawing Title:  
**PAVING AND LAYOUT PLAN DETAIL**

Project No. 14516.00 Scale: 1/8"=1'-0"  
 Drawn By: CB  
 Checked By: DC  
 Approved By: SEH  
 Date: September 30, 2002

Drawing No. **C5-3**



BULLETIN #	12-30-02
ISSUED FOR CONSTRUCTION	11-26-02
ISSUED FOR CONSTRUCTION	09-30-02
No. Description	Date
DWG ISSUE & REVISION HISTORY	

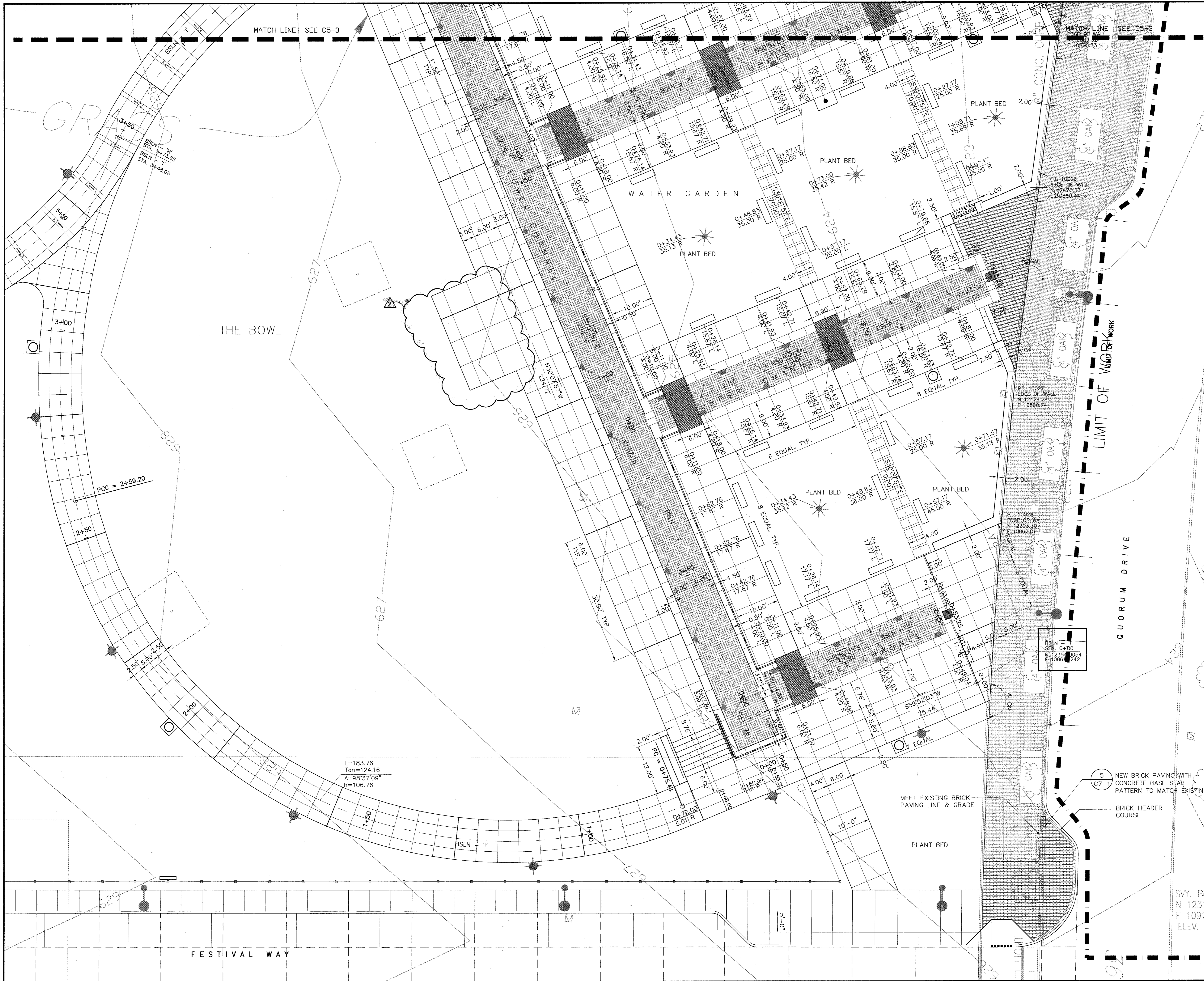


Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

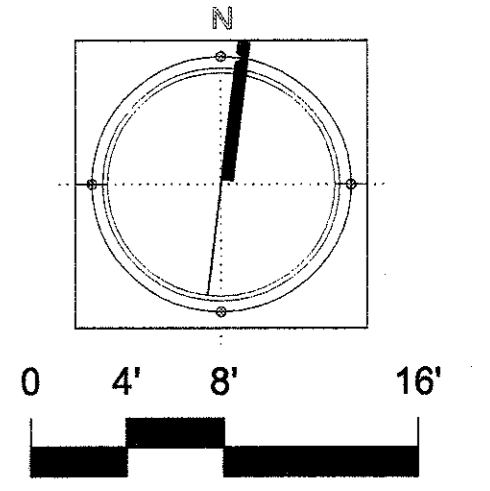
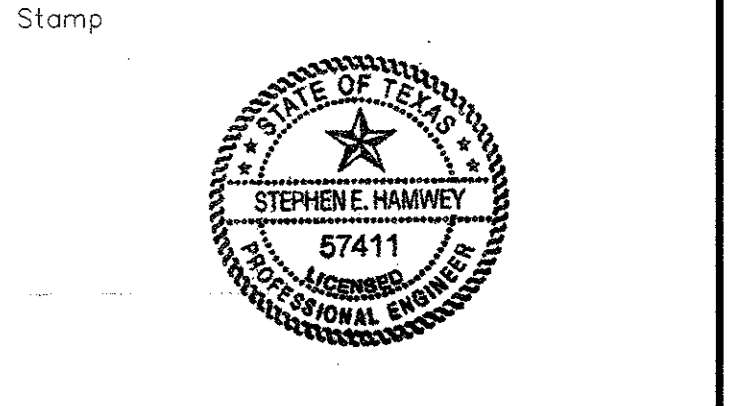
Drawing Title:  
**PAVING AND LAYOUT PLAN DETAIL**

Project No. 14516.00 Scale: 1/8"=1'-0"  
 Drawn By: CB  
 Checked By: DC  
 Approved By: SEH  
 Date: September 30, 2002

Drawing No. **C5-3**



▲ BULLETIN #1	12-30-02
ISSUED FOR CONSTRUCTION	11-26-02
▲ ADDENDUM #2	10-21-02
ISSUED FOR CONSTRUCTION	09-30-02
No. Description	Date
DWG ISSUE & REVISION HISTORY	



Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

Drawing Title:  
**PAVING AND LAYOUT PLAN DETAIL**

Project No. 14516.00 Scale: 1/8"=1'-0"  
 Drawn By: CB  
 Checked By: DC  
 Approved By: SEH  
 Date: September 30, 2002

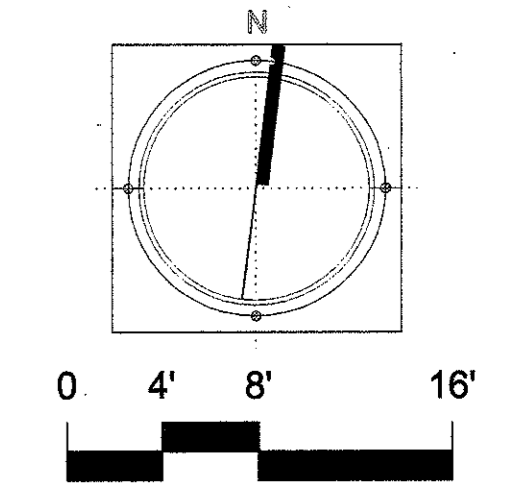
Drawing No. **C5-4**



BULLETIN #1	12-30-02
ISSUED FOR CONSTRUCTION	11-26-02
ISSUED FOR CONSTRUCTION	09-30-02
No. Description	Date

DWG ISSUE & REVISION HISTORY

Stamp



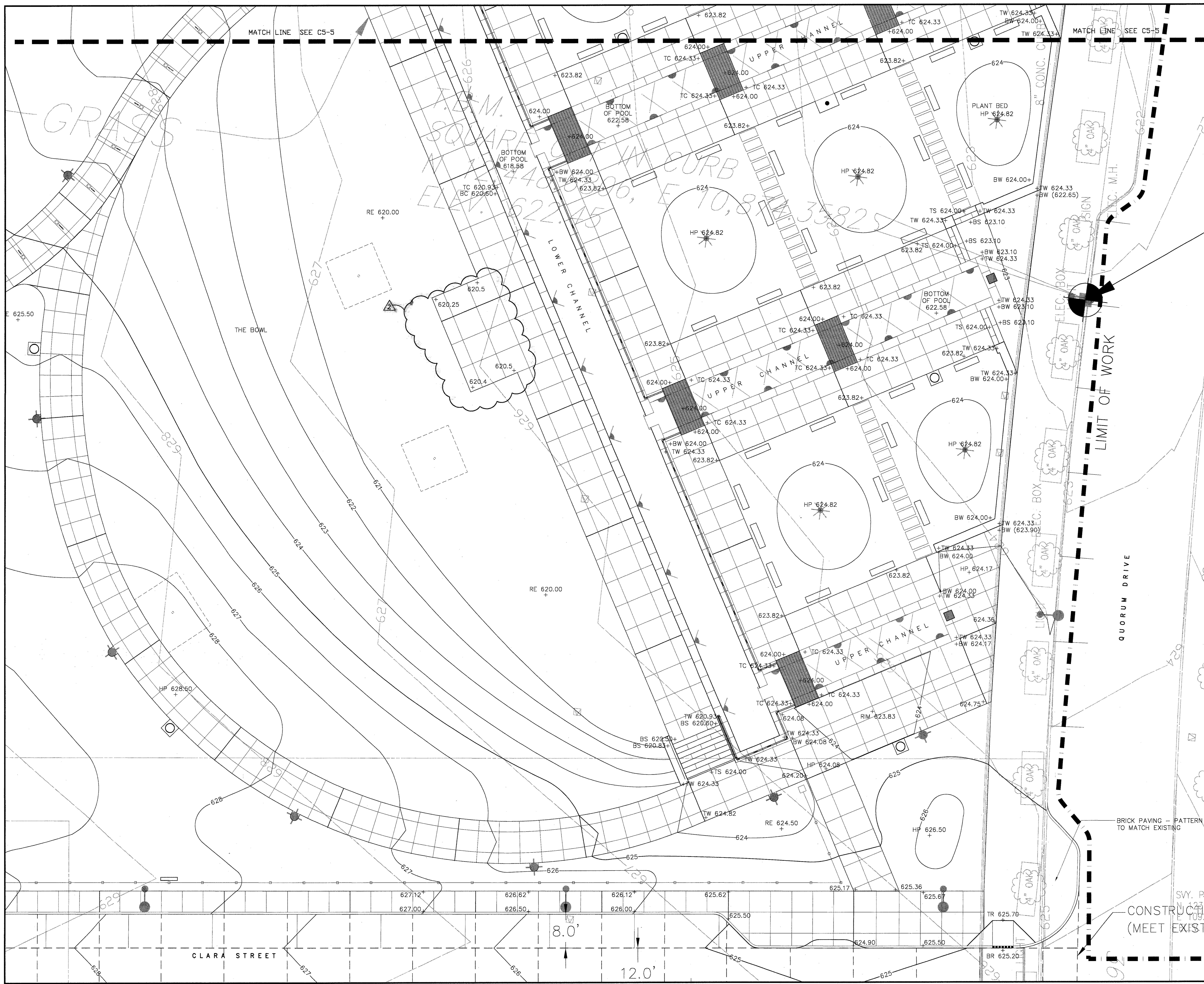
Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

Drawing Title:  
**GRADING**  
**PLAN DETAIL**

Project No. 14516.00 Scale: 1/8"=1'-0"  
 Drawn By: CB  
 Checked By: DC  
 Approved By: ALW  
 Date: September 30, 2002

Drawing No. **C5-5**

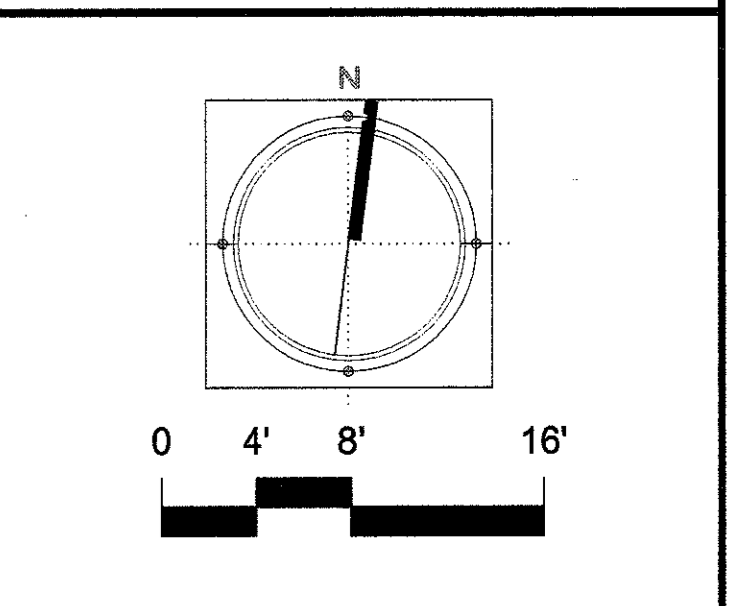




BULLETIN #	12-30-02
ISSUED FOR CONSTRUCTION	11-26-02
ISSUED FOR CONSTRUCTION	09-30-02
No. Description	Date

DWG ISSUE & REVISION HISTORY

Stamp

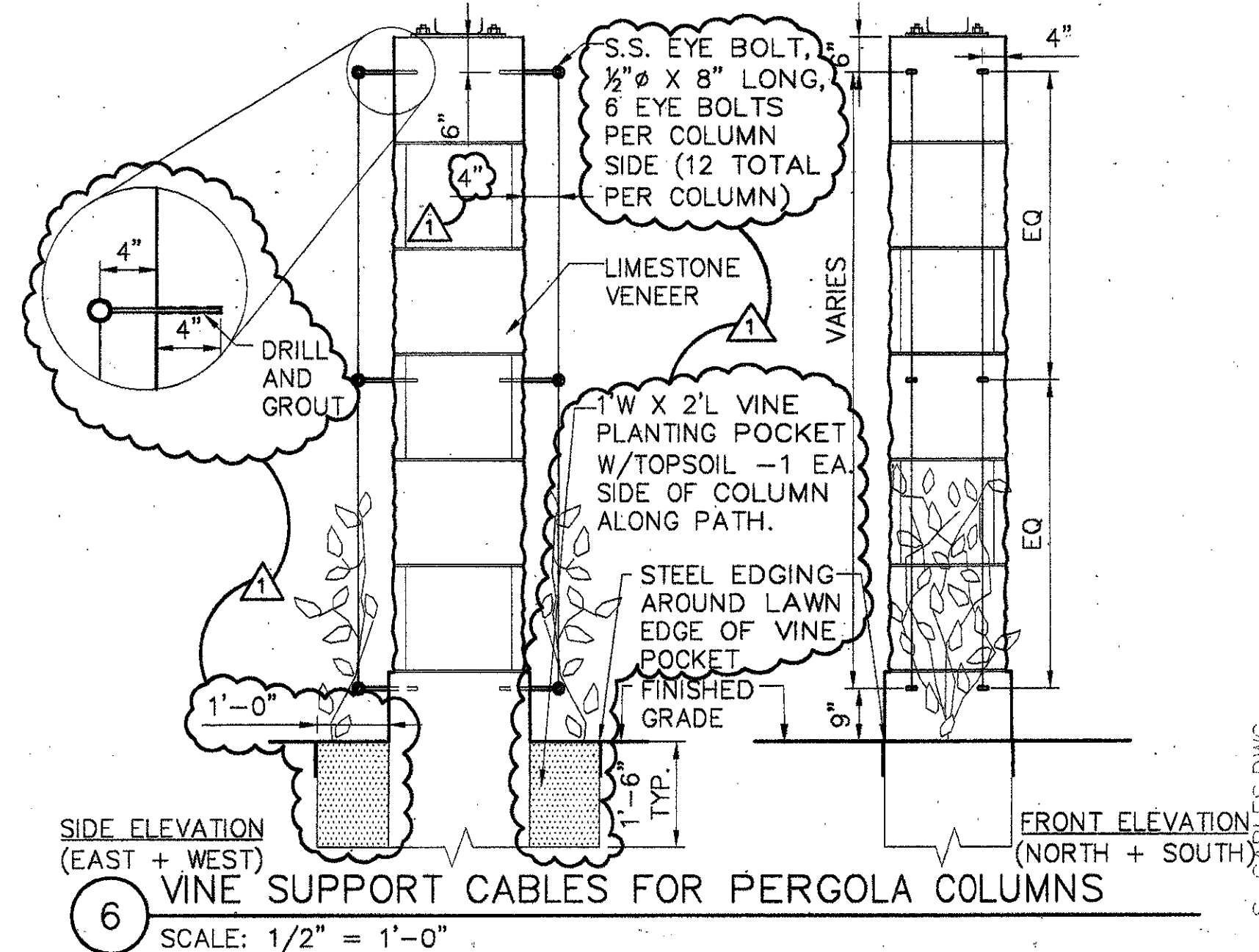


Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

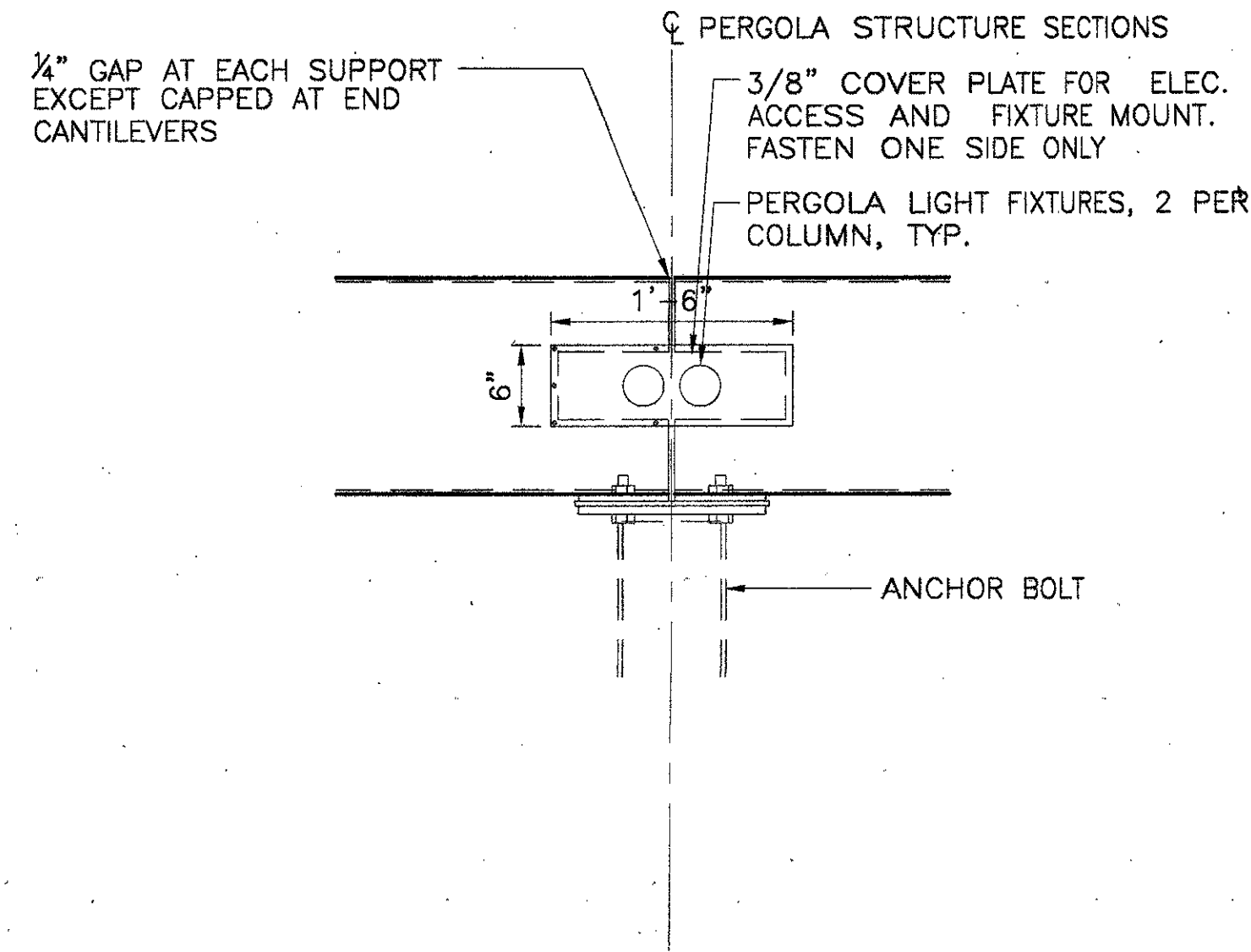
Drawing Title:  
**GRADING**  
**PLAN DETAIL**

Project No. 14516.00 Scale: 1/8"=1'-0"  
 Drawn By: CB  
 Checked By: DC  
 Approved By: SEH  
 Date: September 30, 2002

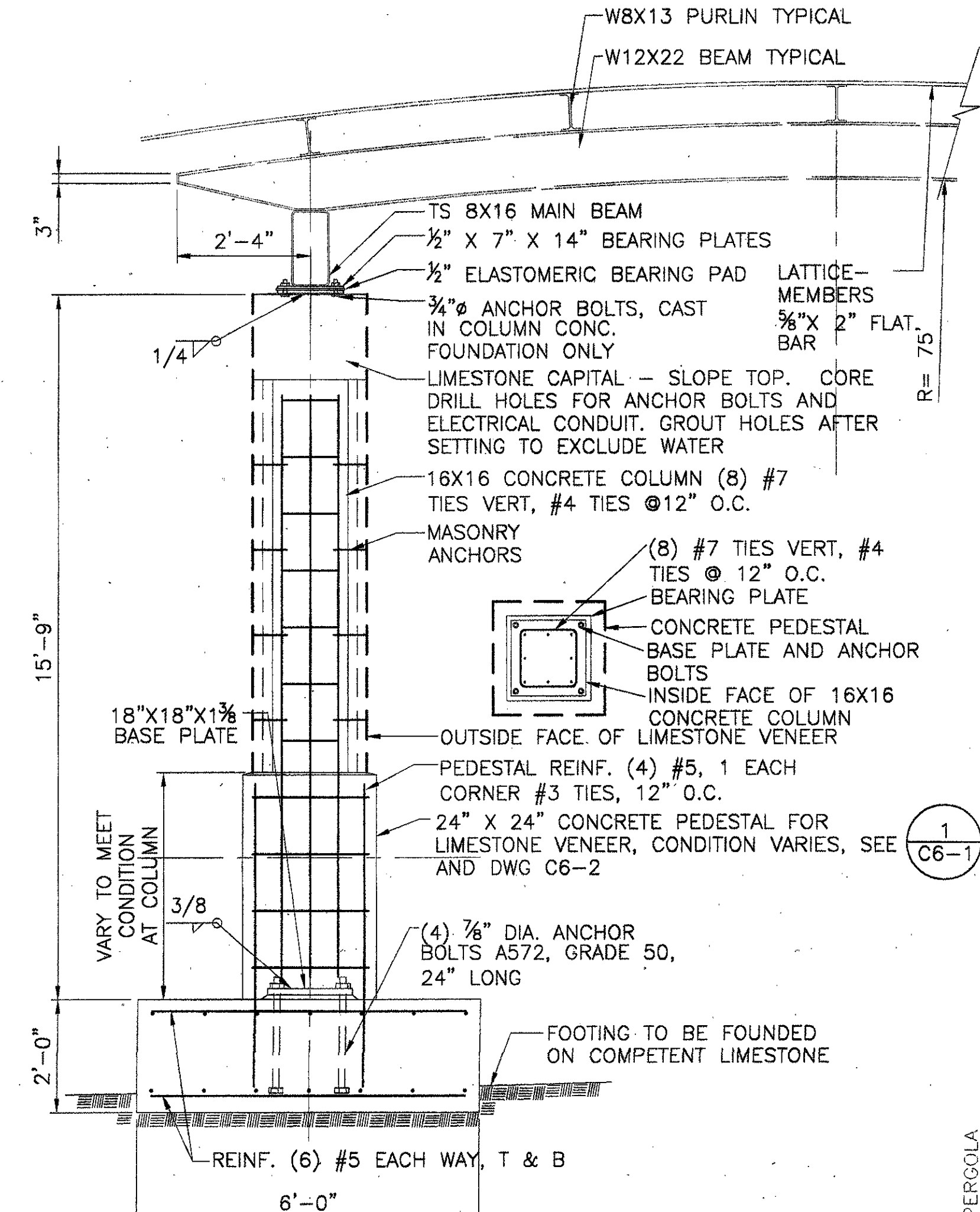
Drawing No. **C5-6**



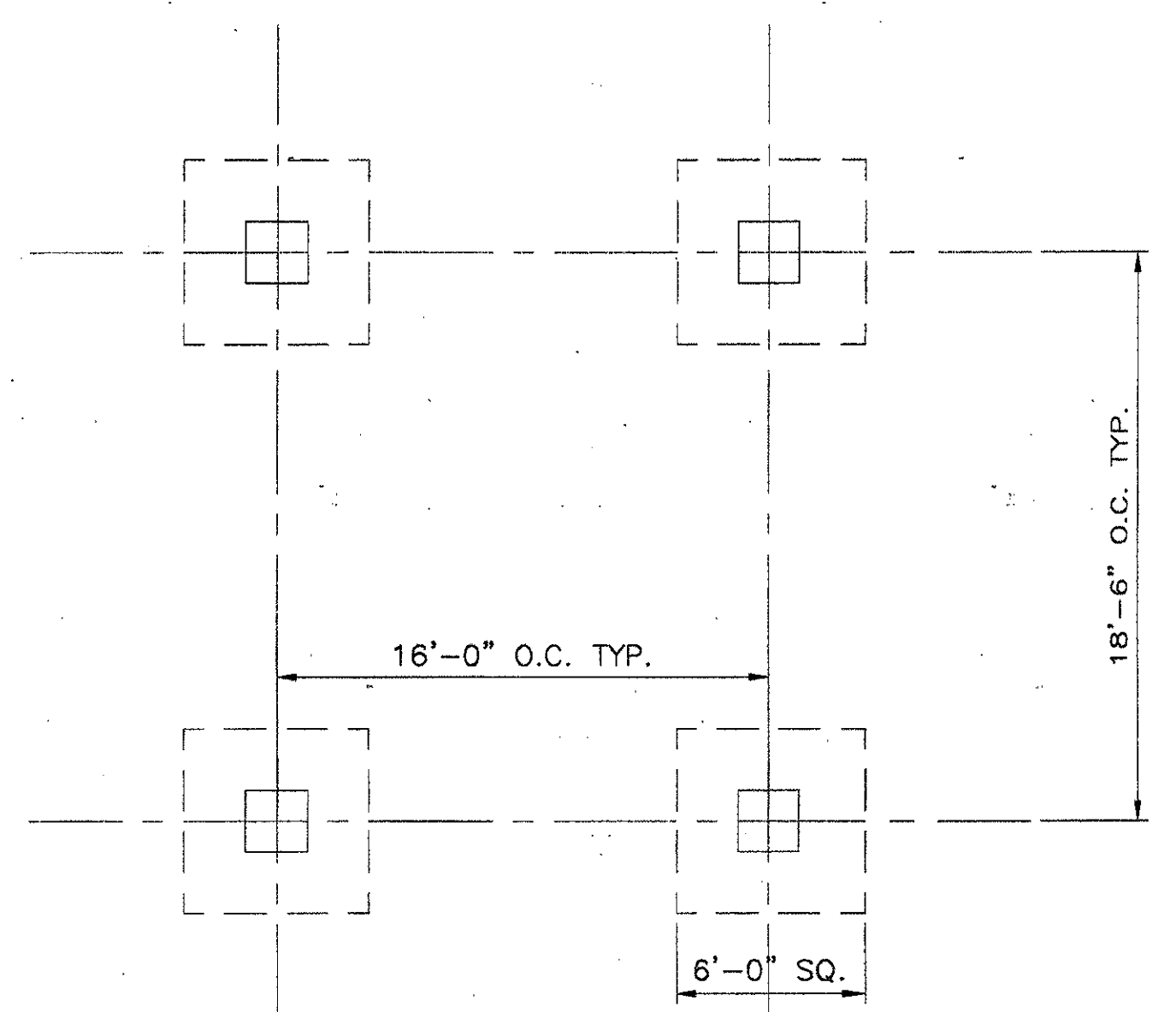
6 VINE SUPPORT CABLES FOR PERGOLA COLUMNS  
SCALE: 1/2" = 1'-0"



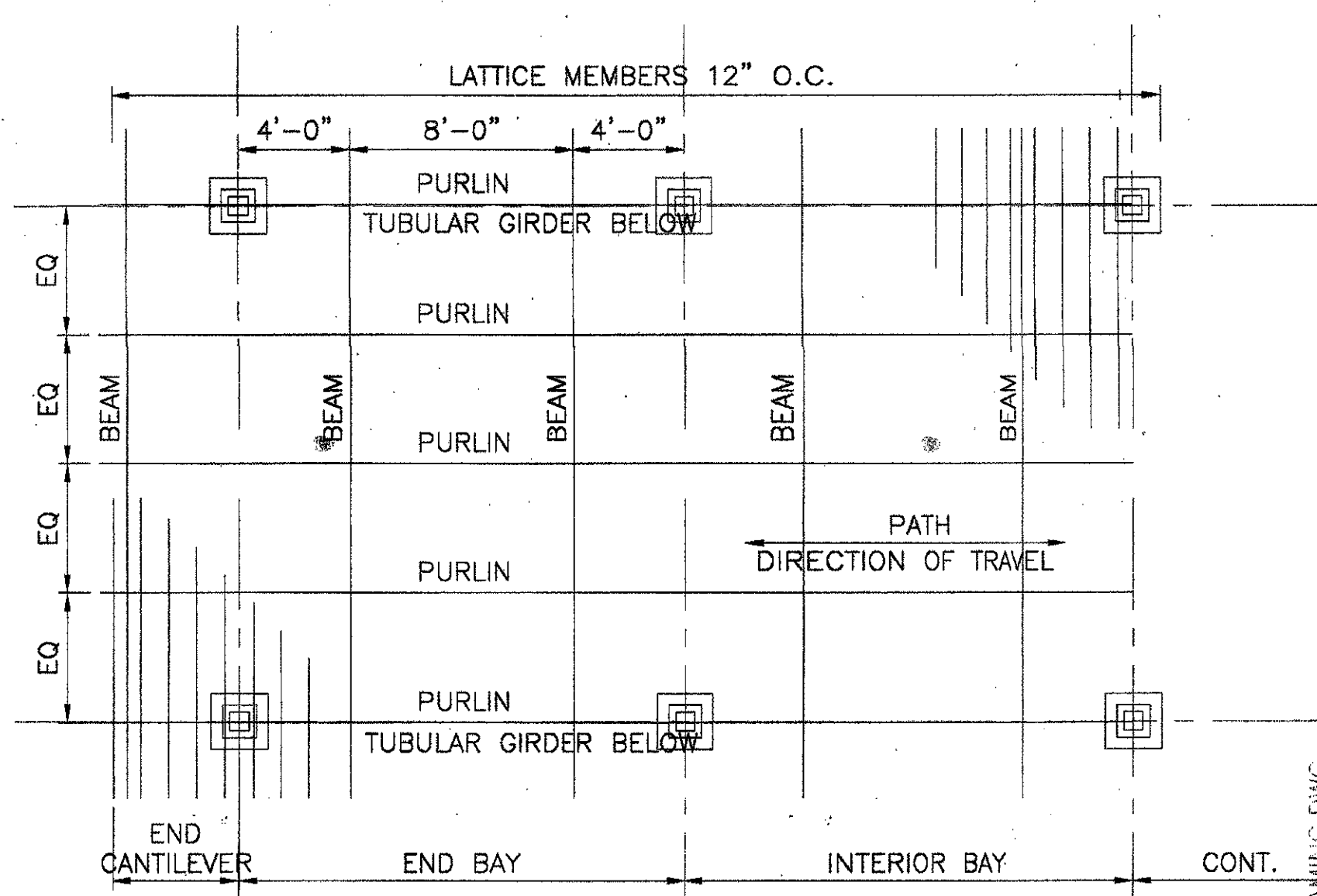
5 COMPLETED PERGOLA BEAM CONNECTION  
SCALE: 1" = 1'-0"



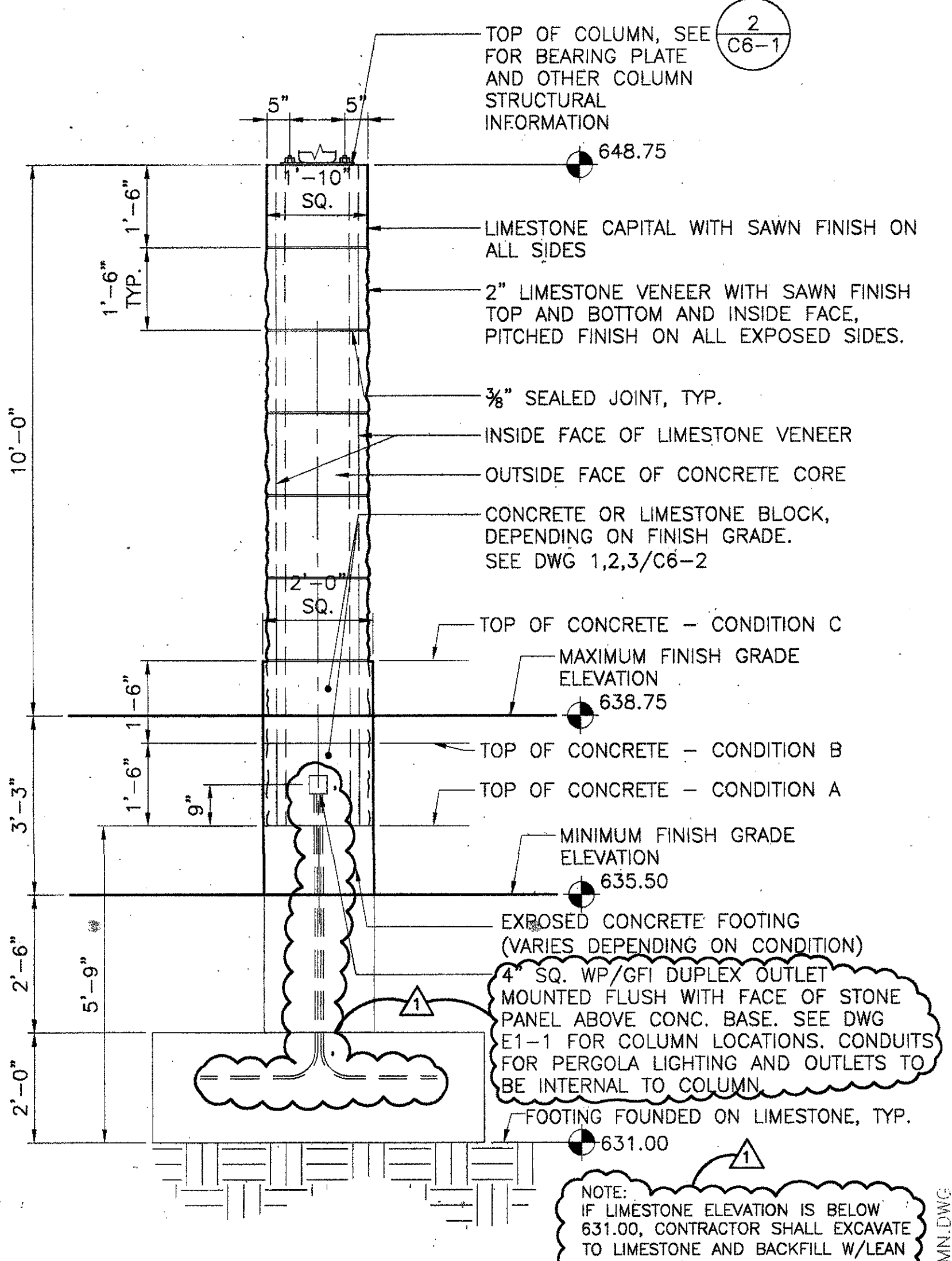
2 TYPICAL PERGOLA SECTION  
SCALE: NONE



4 TYPICAL PARTIAL FOUNDATION PLAN  
SCALE: 3/16" = 1'-0"



3 TYPICAL PARTIAL FRAMING PLAN  
SCALE: 3/16" = 1'-0"



1 PERGOLA COLUMN ELEVATION  
SCALE: 1/2" = 1'-0"

ADDENDUM #2	10-21-02
ISSUED FOR CONSTRUCTION	09-30-02
No. Description	Date

DWG ISSUE & REVISION HISTORY

Stamp

Project Title:

**ADDISON ARTS & EVENTS DISTRICT**  
ADDISON, TEXAS

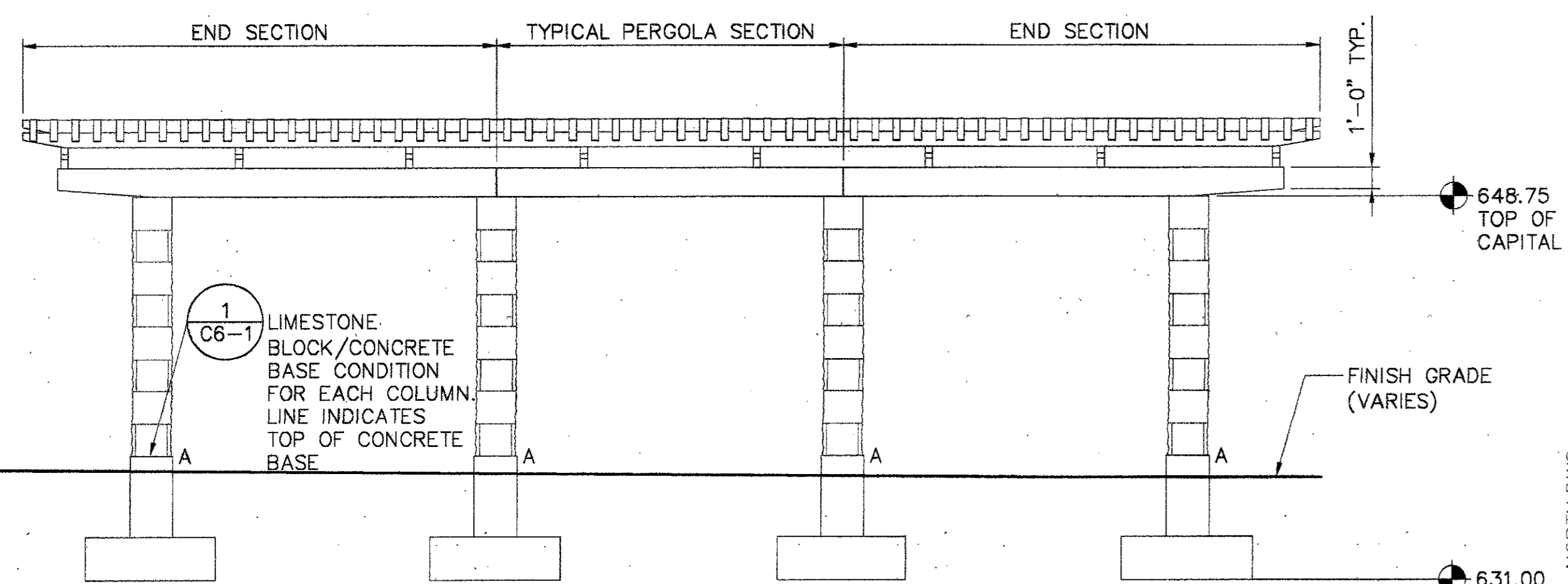
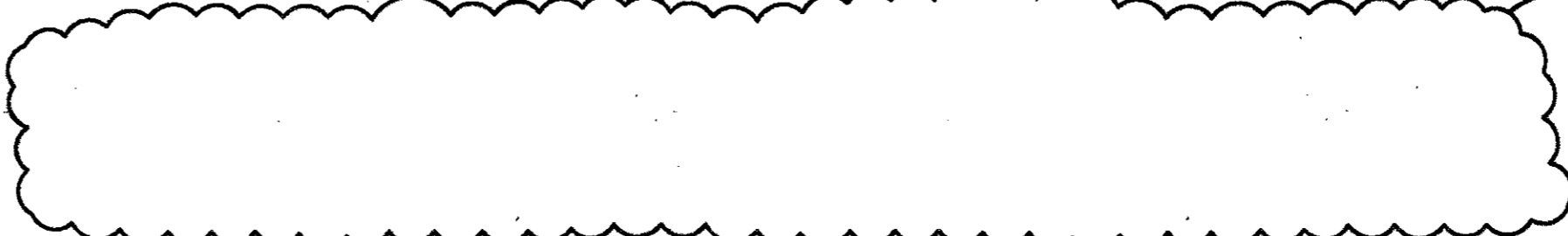
Drawing Title:

**PERGOLA PLAN & DETAILS**

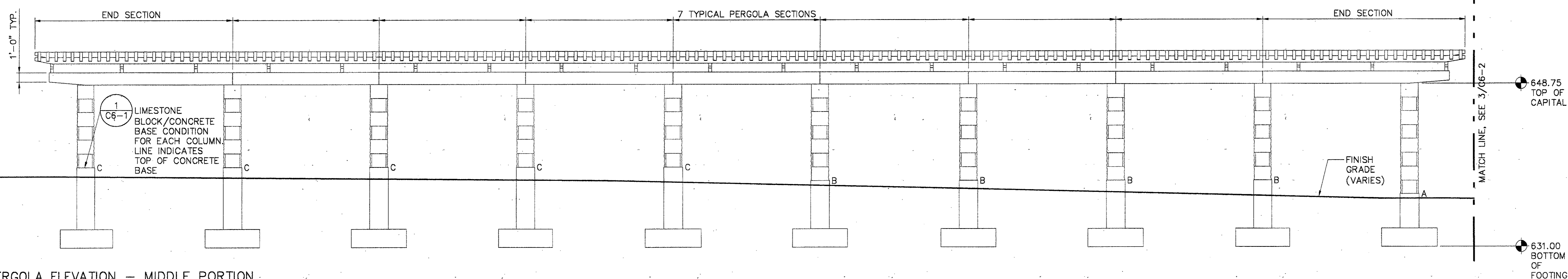
Project No. 14516.00 Scale: AS NOTED  
Drawn By: CB/UB  
Checked By: DC  
Approved By: SEH  
Date: September 30, 2002

Drawing No. **C6-1**

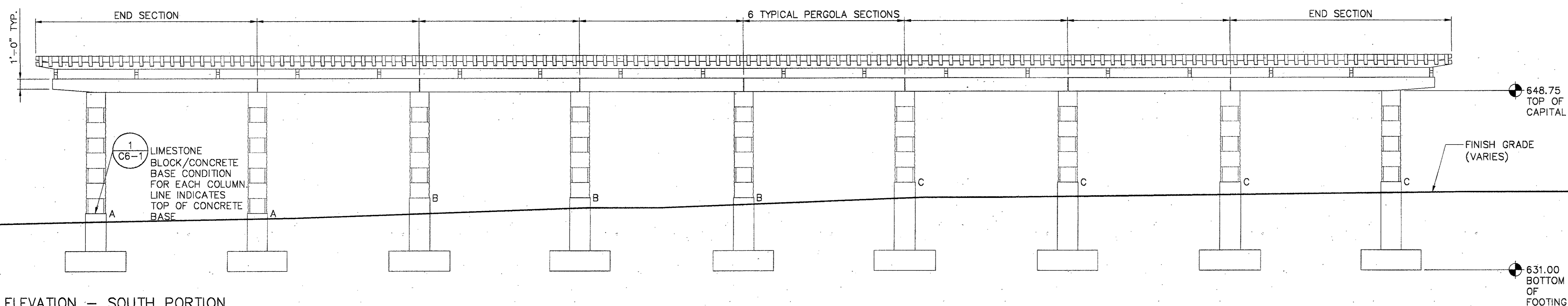
NOTES:  
 1. ALTERNATE COLUMNS TO HAVE GFCI DUPLEX OUTLETS ON BACK SIDE (LAWN SIDE) OF COLUMNS, MOUNTED AT 18" HEIGHT FROM FINISH GRADE (SEE ELECTRICAL PLANS). LIMESTONE BLOCKS TO BE CORED FOR OUTLETS, OR CONCRETE BASE TO HAVE RECEPTACLE CAST IN, DEPENDING ON COLUMN BASE CONDITION. HINGED COVER PLATES TO BE MOUNTED FLUSH WITH FACE OF COLUMN.



3 PERGOLA ELEVATION - NORTH PORTION  
 SCALE: 3/16" = 1'-0"



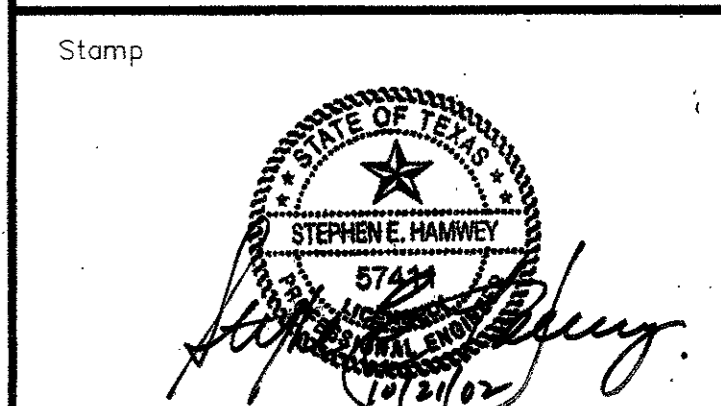
2 PERGOLA ELEVATION - MIDDLE PORTION  
 SCALE: 3/16" = 1'-0"



1 PERGOLA ELEVATION - SOUTH PORTION  
 SCALE: 3/16" = 1'-0"

ADDENDUM #2	10-21-02
ISSUED FOR CONSTRUCTION	09-30-02
No.	Description
	Date

DWG ISSUE & REVISION HISTORY

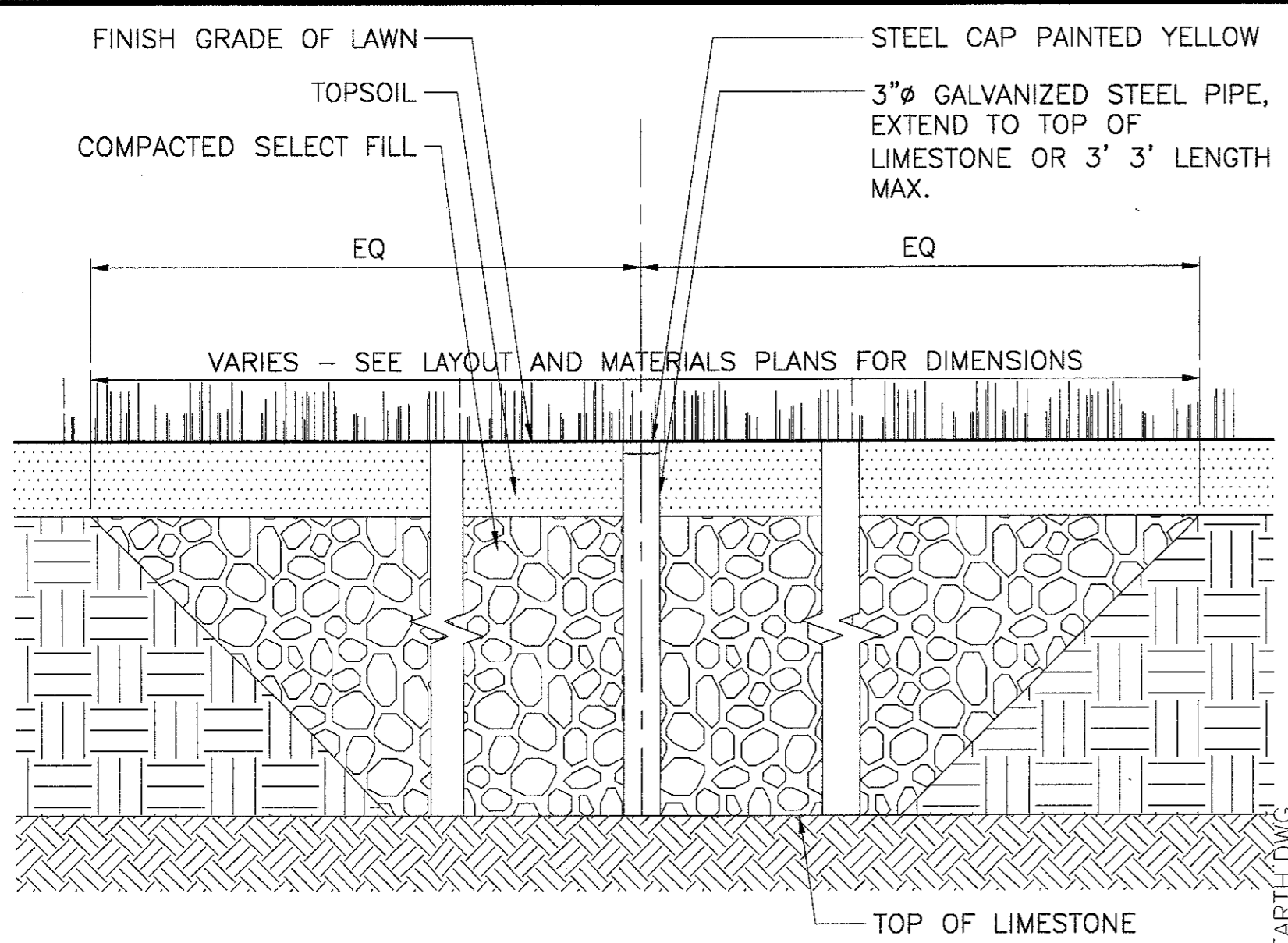


Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

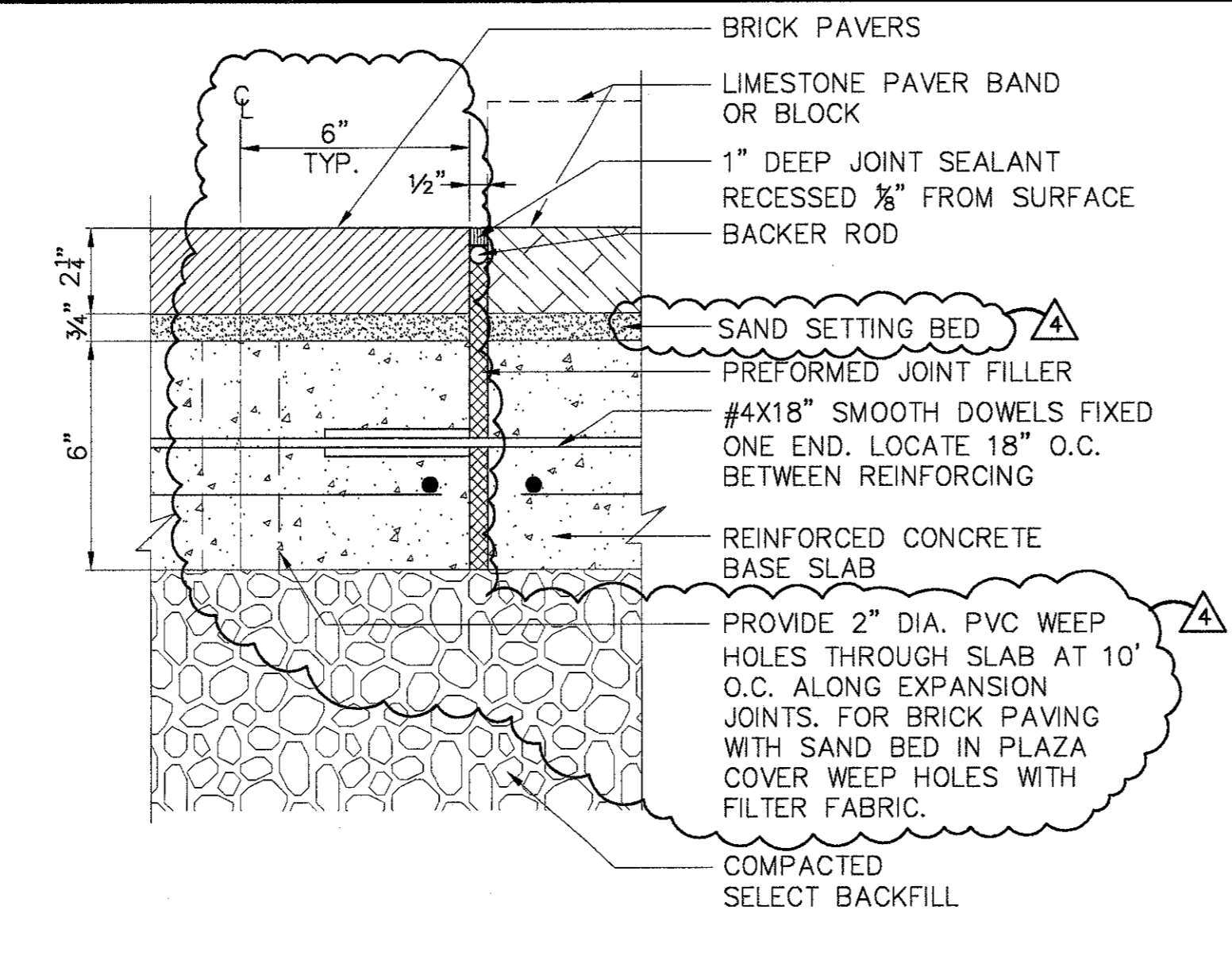
Drawing Title:  
**PERGOLA ELEVATIONS**

Project No. 14516.00 Scale: AS NOTED  
 Drawn By: CB  
 Checked By: DC  
 Approved By: SEH  
 Date: September 30, 2002

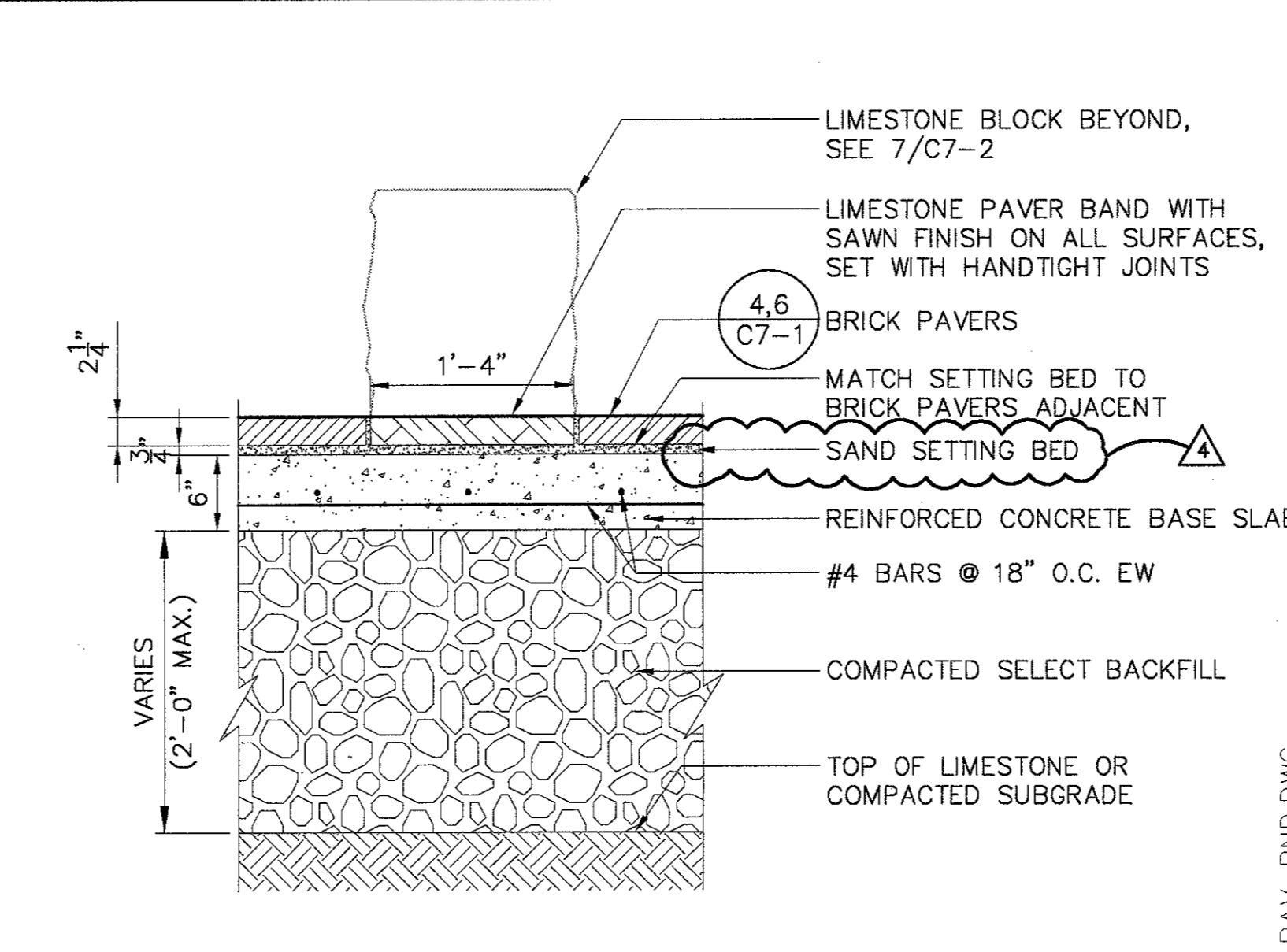
Drawing No. **C6-2**



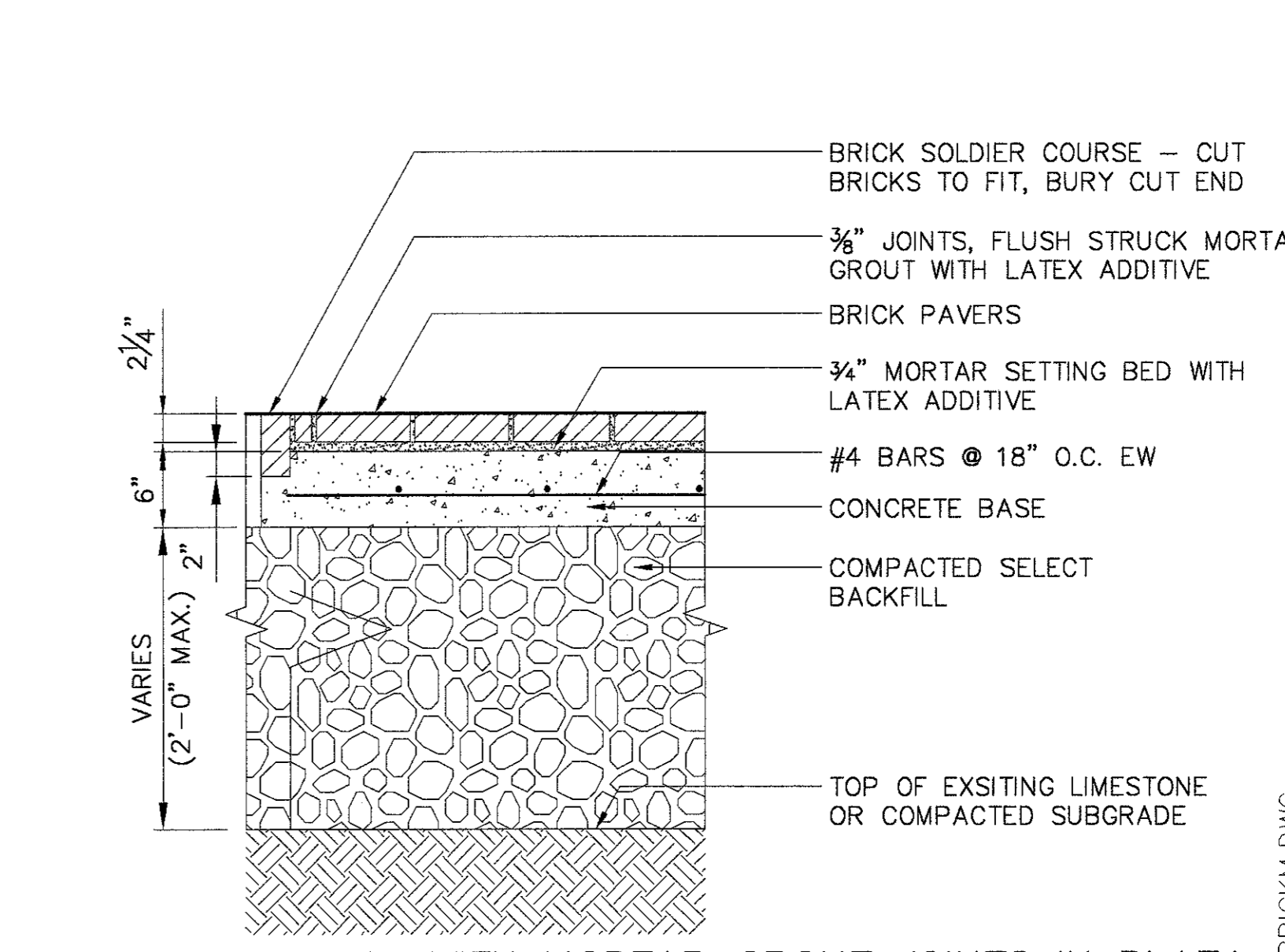
16 TYPICAL REINFORCED EARTH SECTION  
SCALE: 1" = 1'-0"



12 BRICK PAVERS/LIMESTONE PAVING EXPANSION JOINT  
SCALE: 3" = 1'-0"

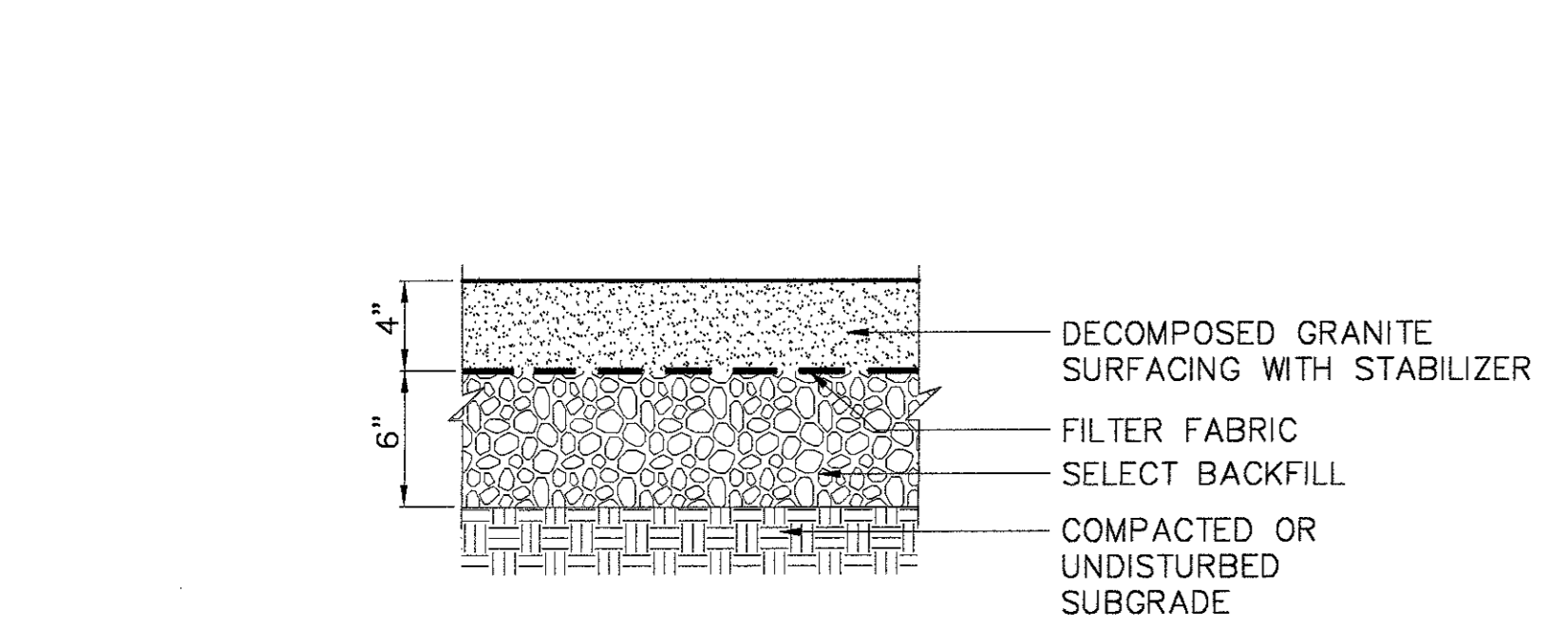


8 LIMESTONE PAVING BAND IN PLAZA, TYPICAL SECTION  
SCALE: 1" = 1'-0"

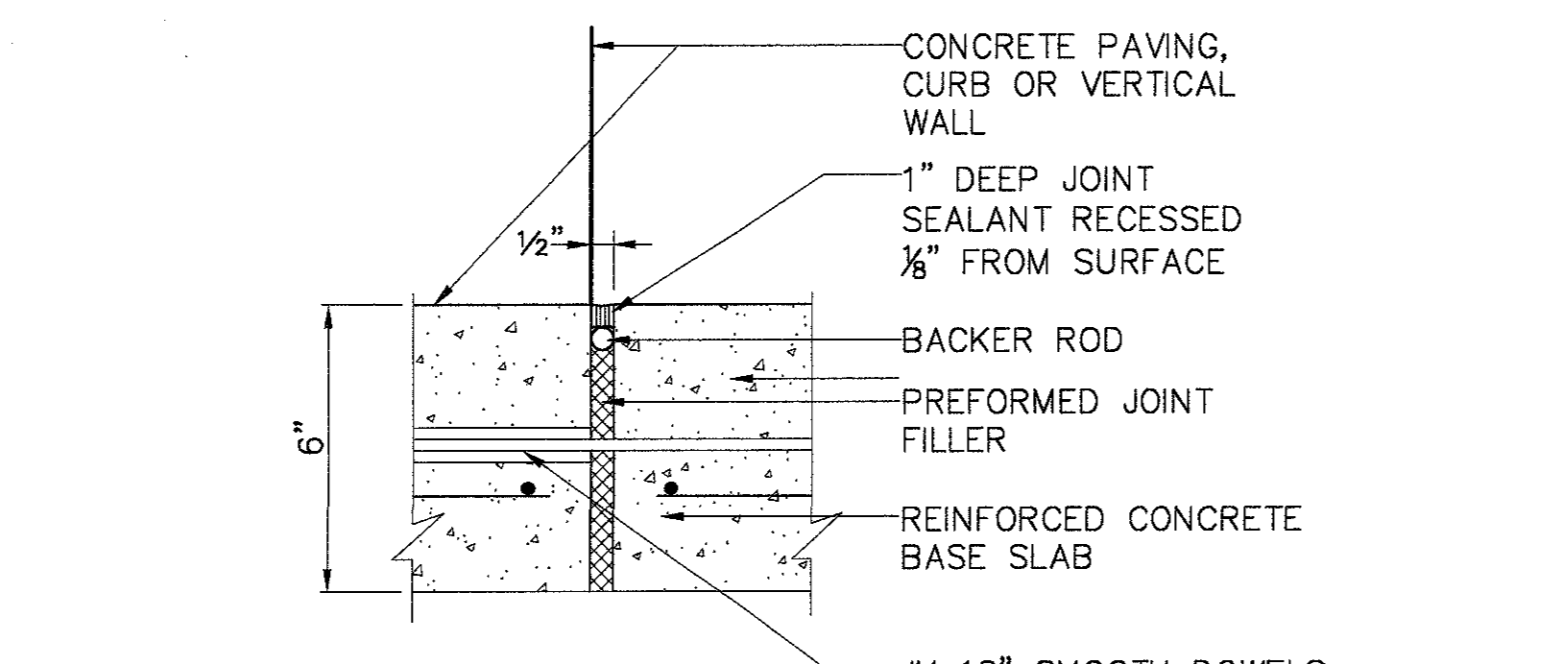


4 BRICK PAVING WITH MORTAR GROUT JOINTS IN PLAZA  
SCALE: 1" = 1'-0"

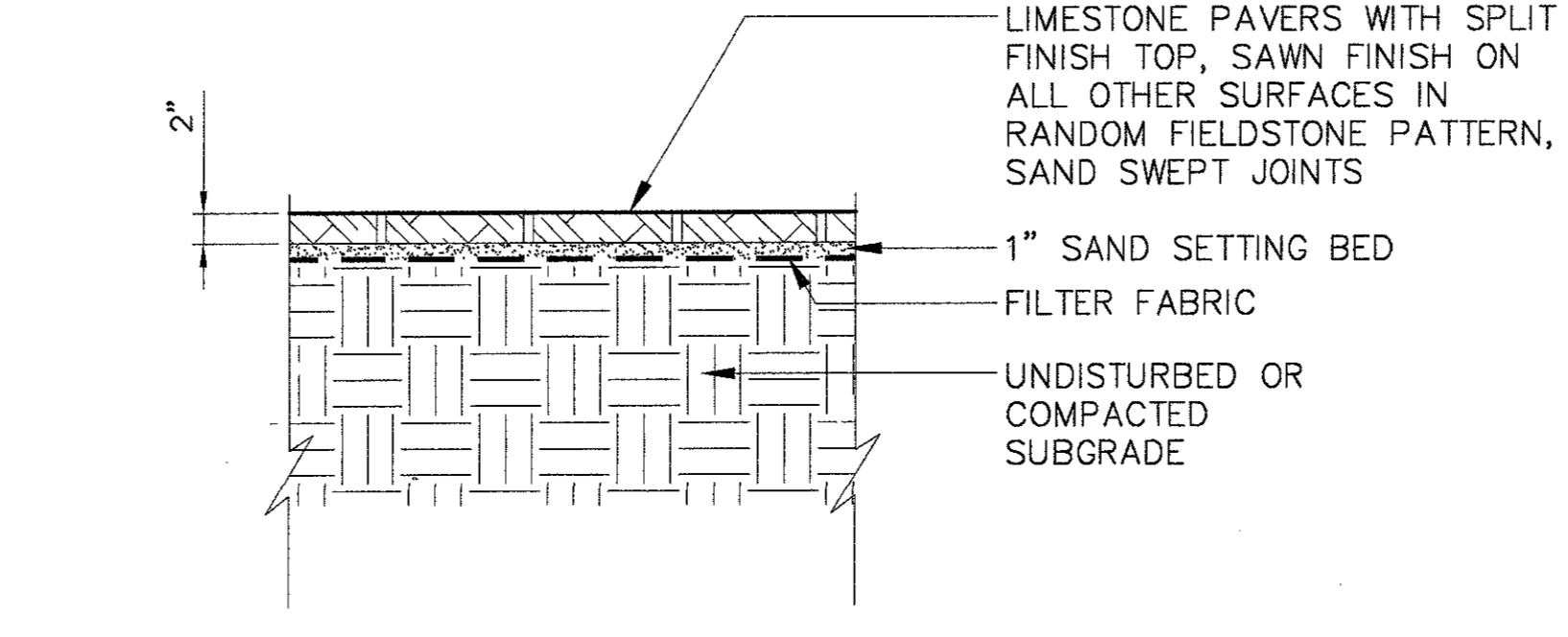
NOTE:  
ALL EXPOSED AGGREGATE PAVING IS TYPE A UNLESS OTHERWISE SPECIFIED. TYPE B IS IN PLAZA FOUNTAIN POOL ONLY



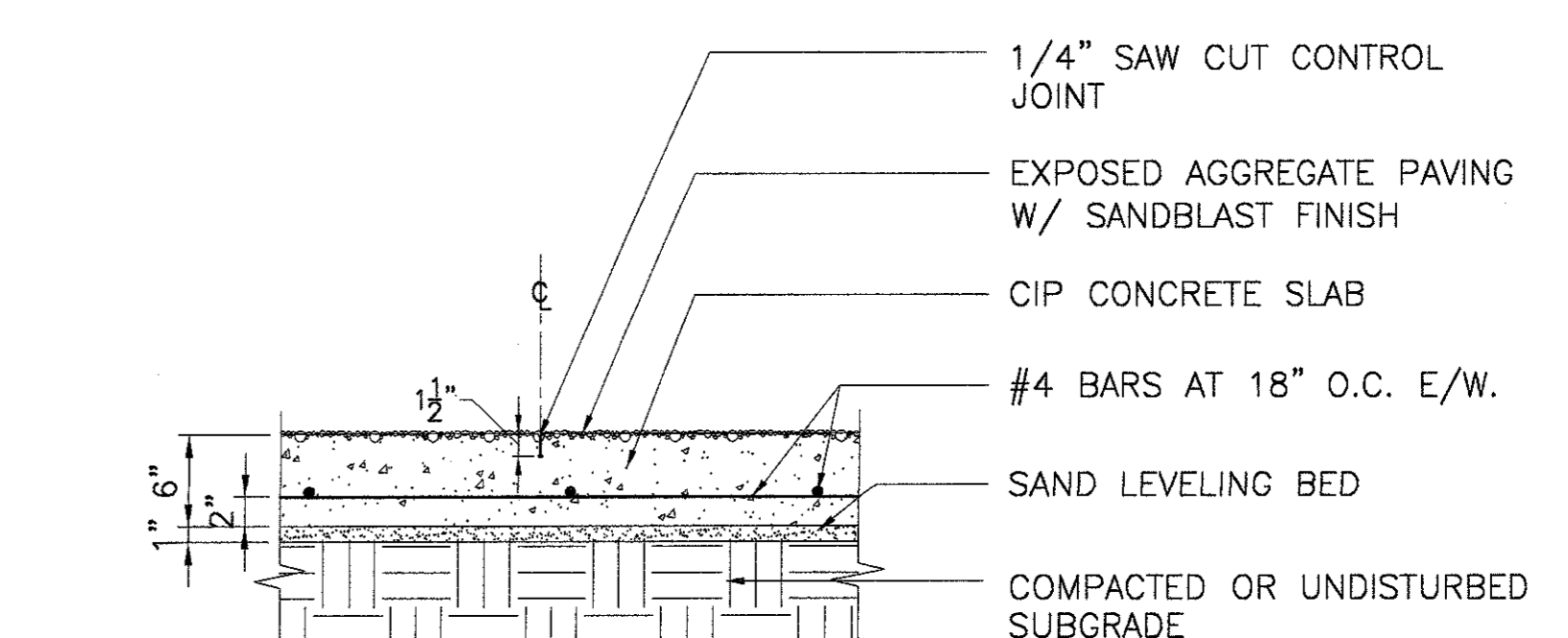
15 STONE DUST SURFACING  
SCALE: 1 1/2" = 1'-0"



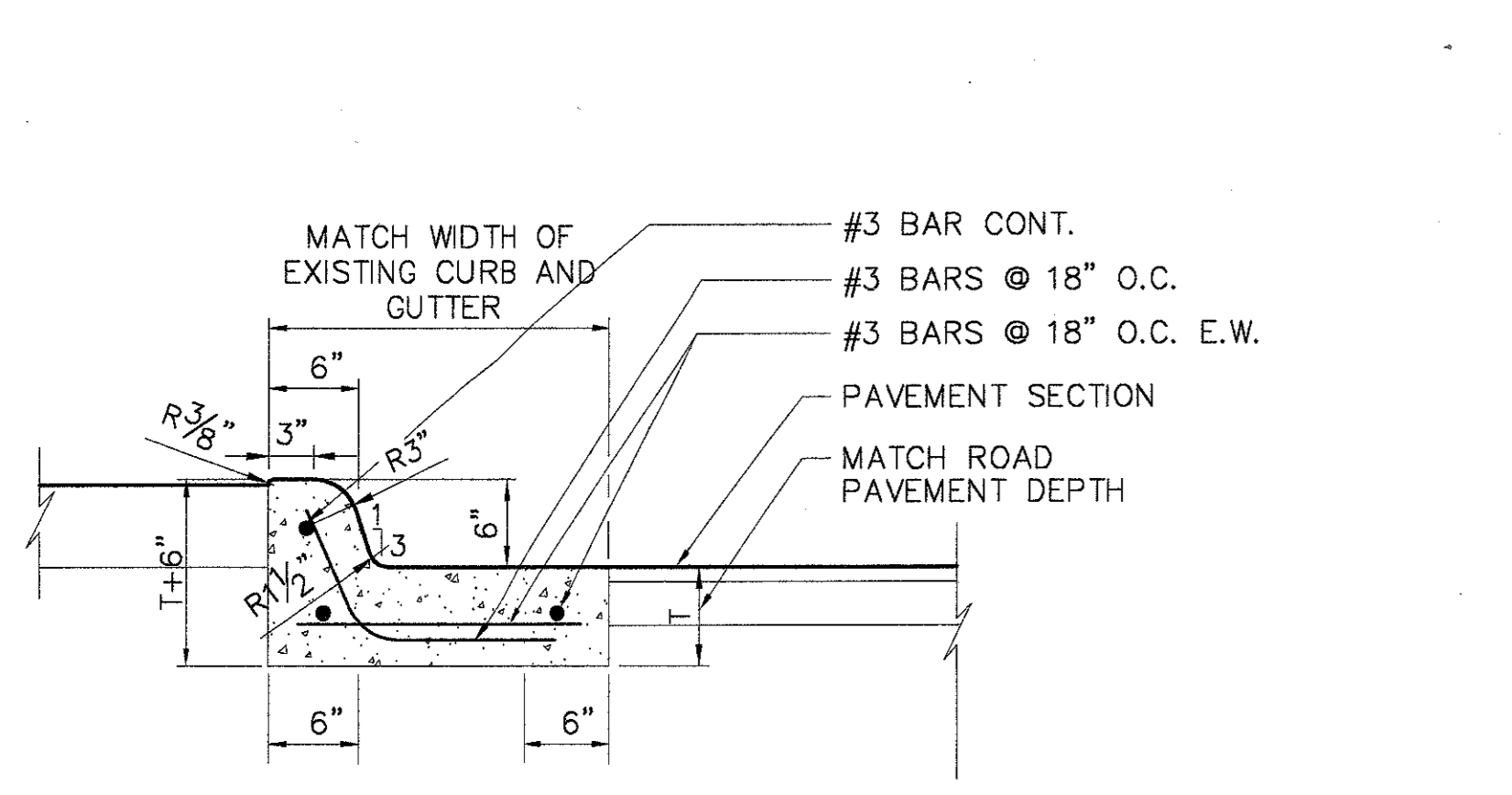
11 CONCRETE SIDEWALK PAVING EXPANSION JOINT  
SCALE: 3" = 1'-0"



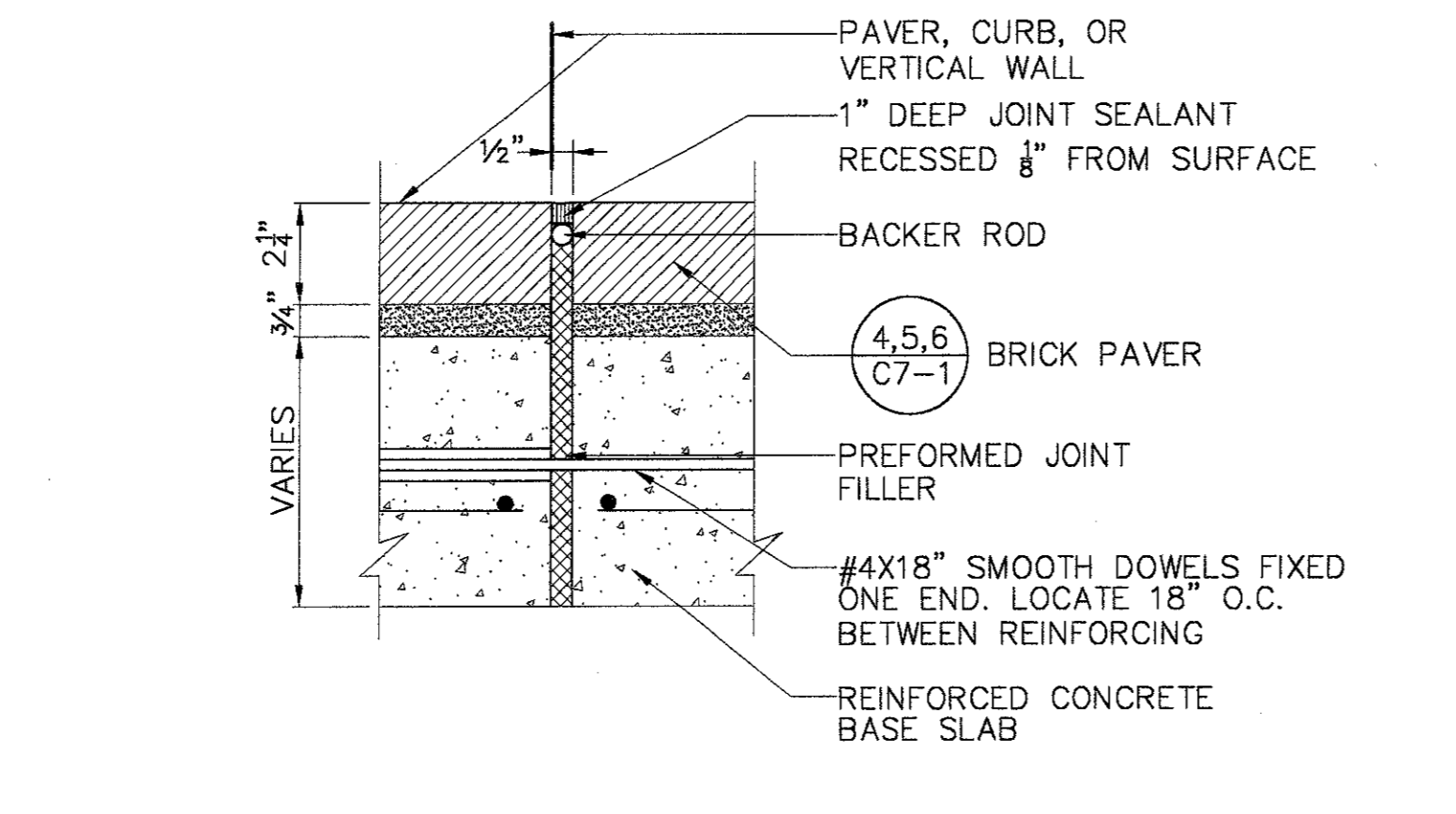
7 LIMESTONE PAVING IN GARDEN COURTS  
SCALE: 1" = 1'-0"



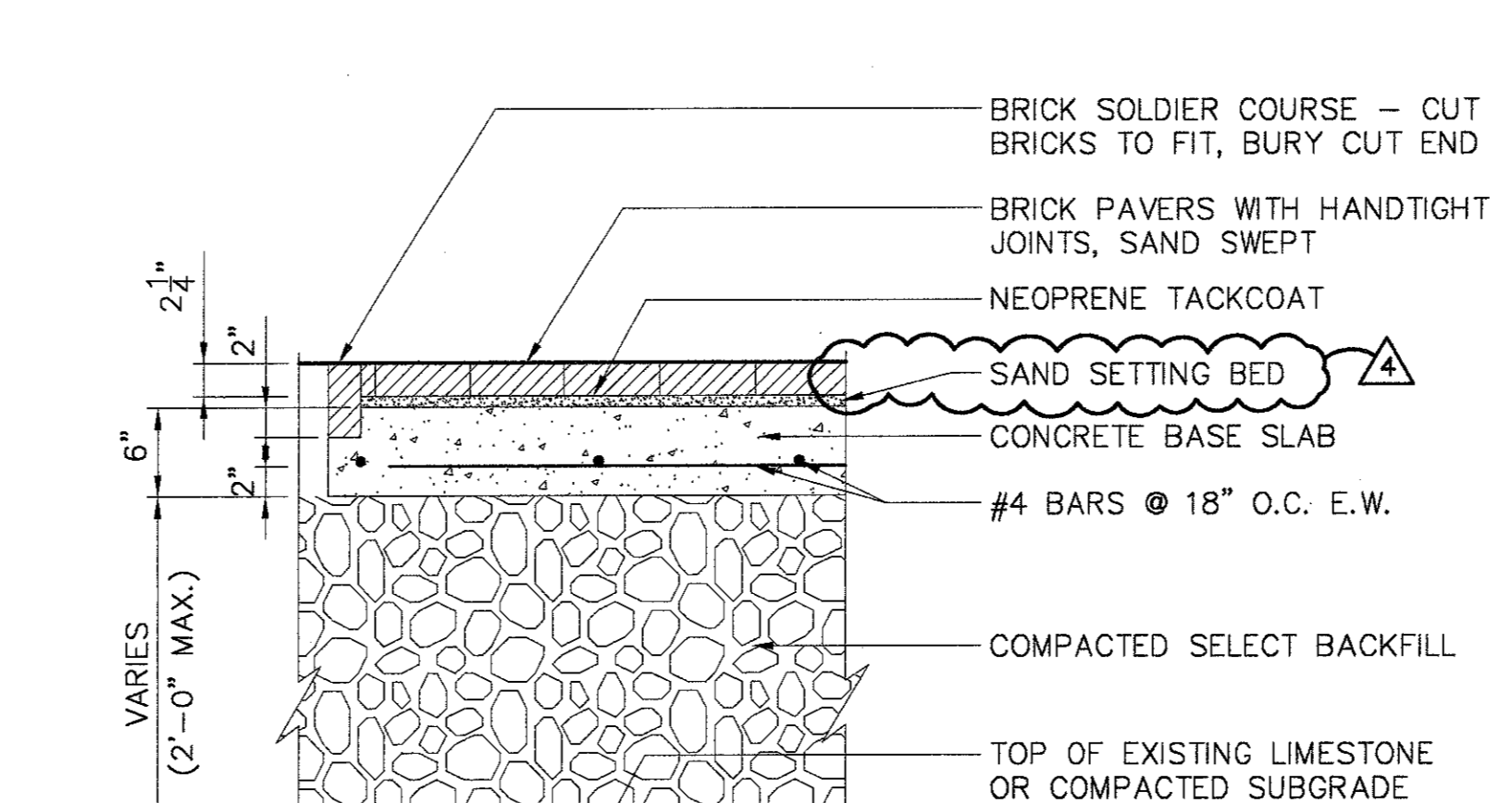
3 EXPOSED AGGREGATE PAVING  
SCALE: 1" = 1'-0"



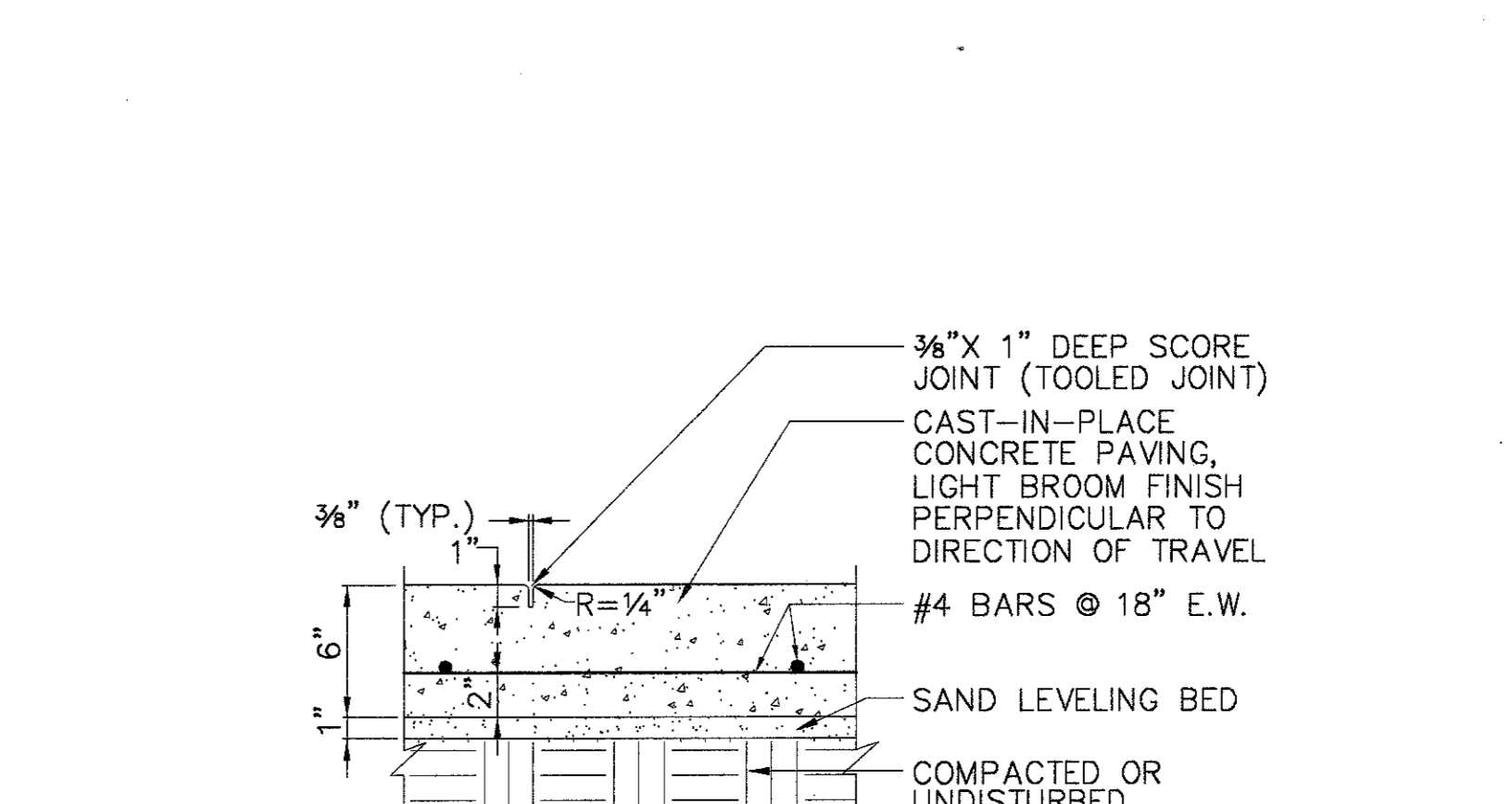
14 INTEGRAL CURB AND GUTTER  
SCALE: 1" = 1'-0"



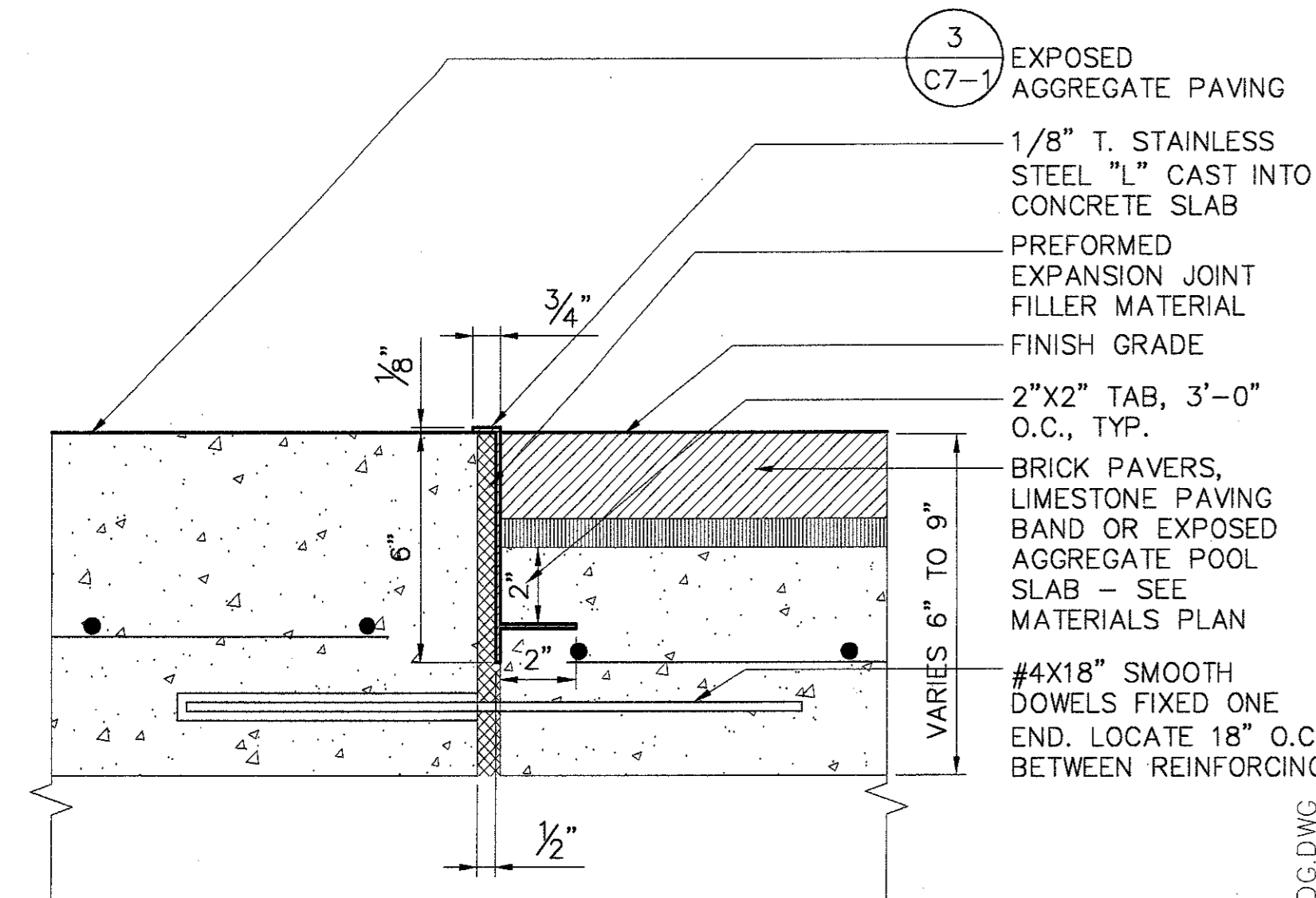
10 BRICK PAVERS EXPANSION JOINT  
SCALE: 3" = 1'-0"



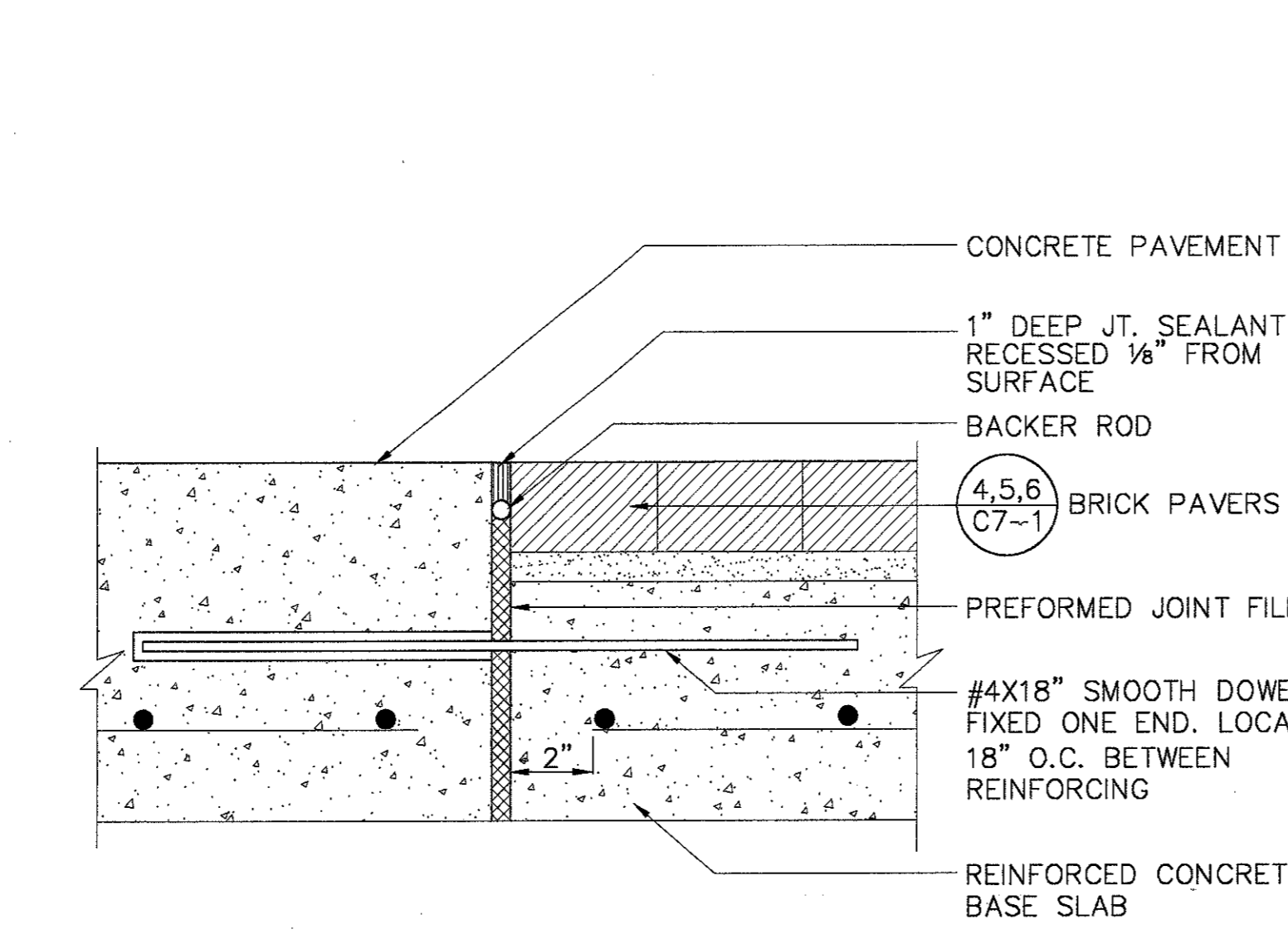
6 BRICK PAVING IN PLAZA  
SCALE: 1" = 1'-0"



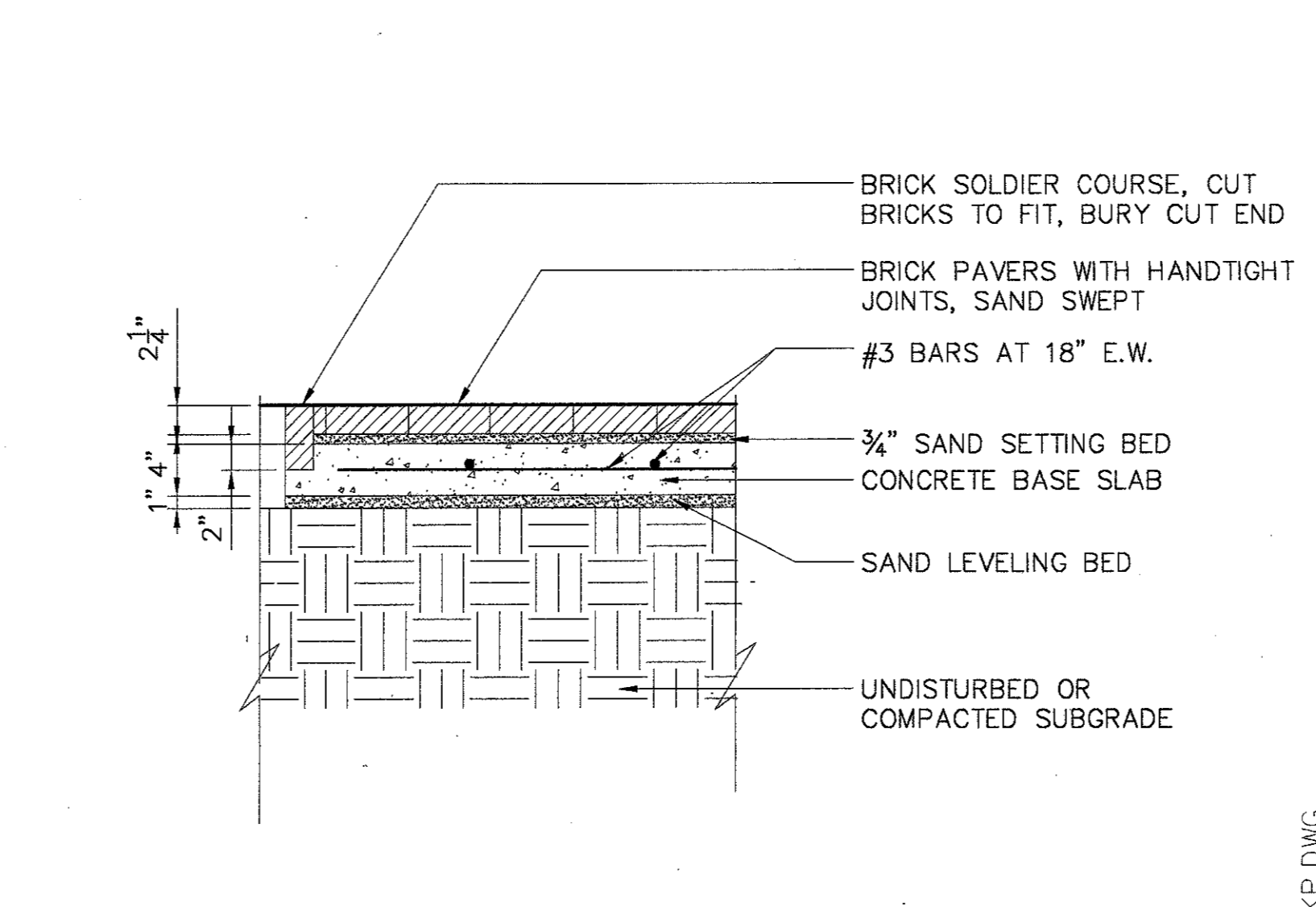
2 CONCRETE PAVING  
SCALE: 1 1/2" = 1'-0"



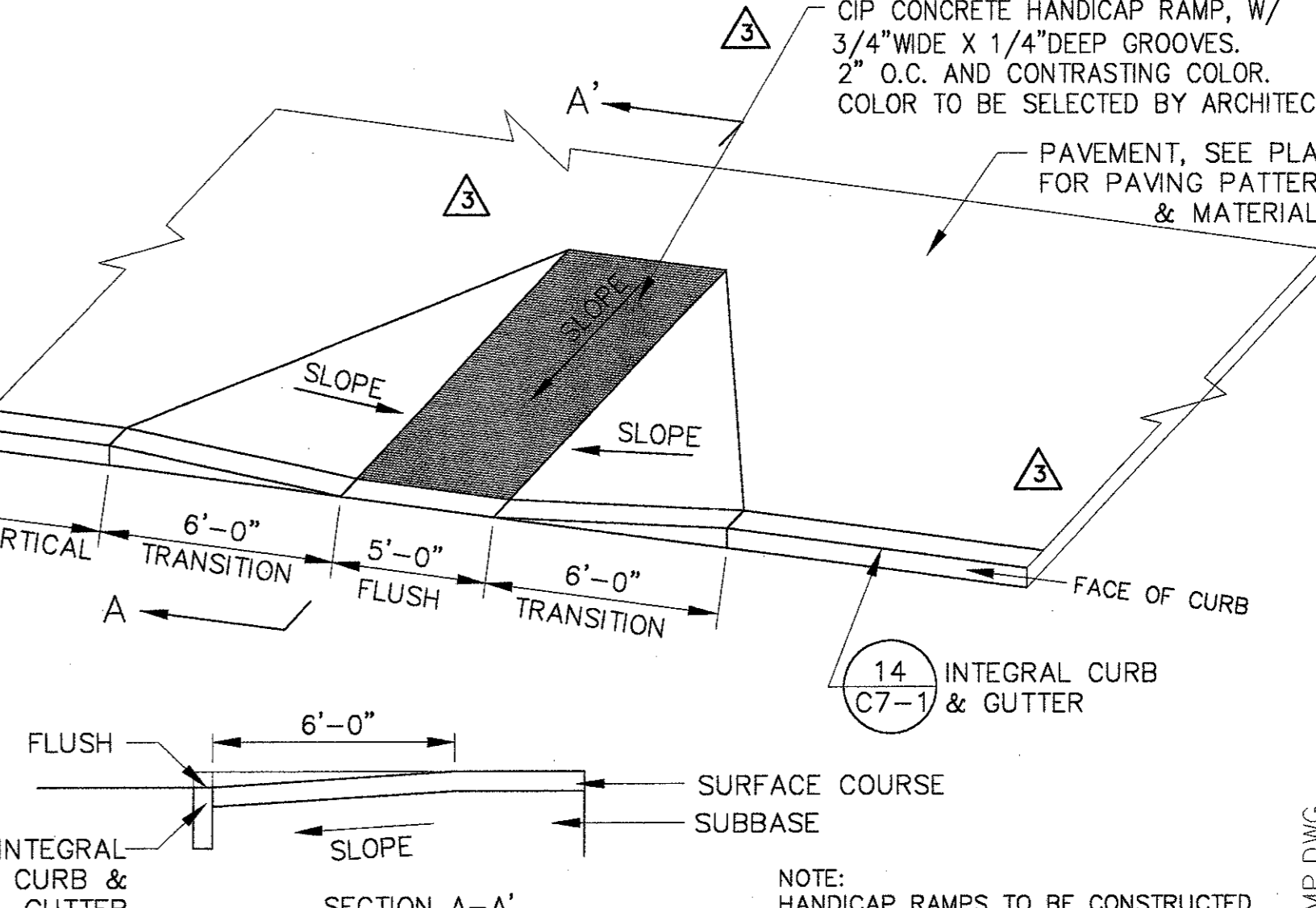
13 EXPANSION JOINT COVER DETAIL  
SCALE: 3" = 1'-0"



9 CONCRETE PAVEMENT/BRICK PAVERS-EXPANSION JOINT  
SCALE: 3" = 1'-0"

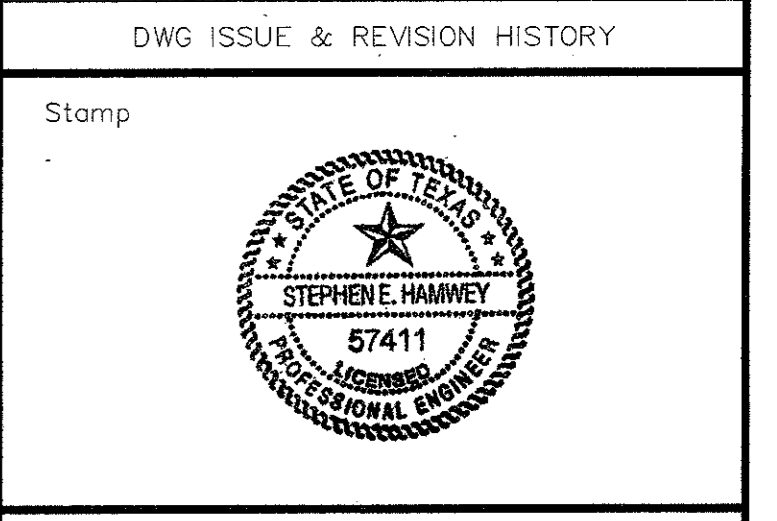


5 BRICK SIDEWALK PAVING  
SCALE: 1" = 1'-0"



1 HANDICAP RAMP DETAIL  
N.T.S.

▲	BULLETIN #4	04-14-03
▲	BULLETIN #2	03-10-03
▲	ISSUED FOR CONSTRUCTION	11-26-02
▲	ADDENDUM #2	10-21-02
▲	ISSUED FOR CONSTRUCTION	09-30-02
No.	Description	Date

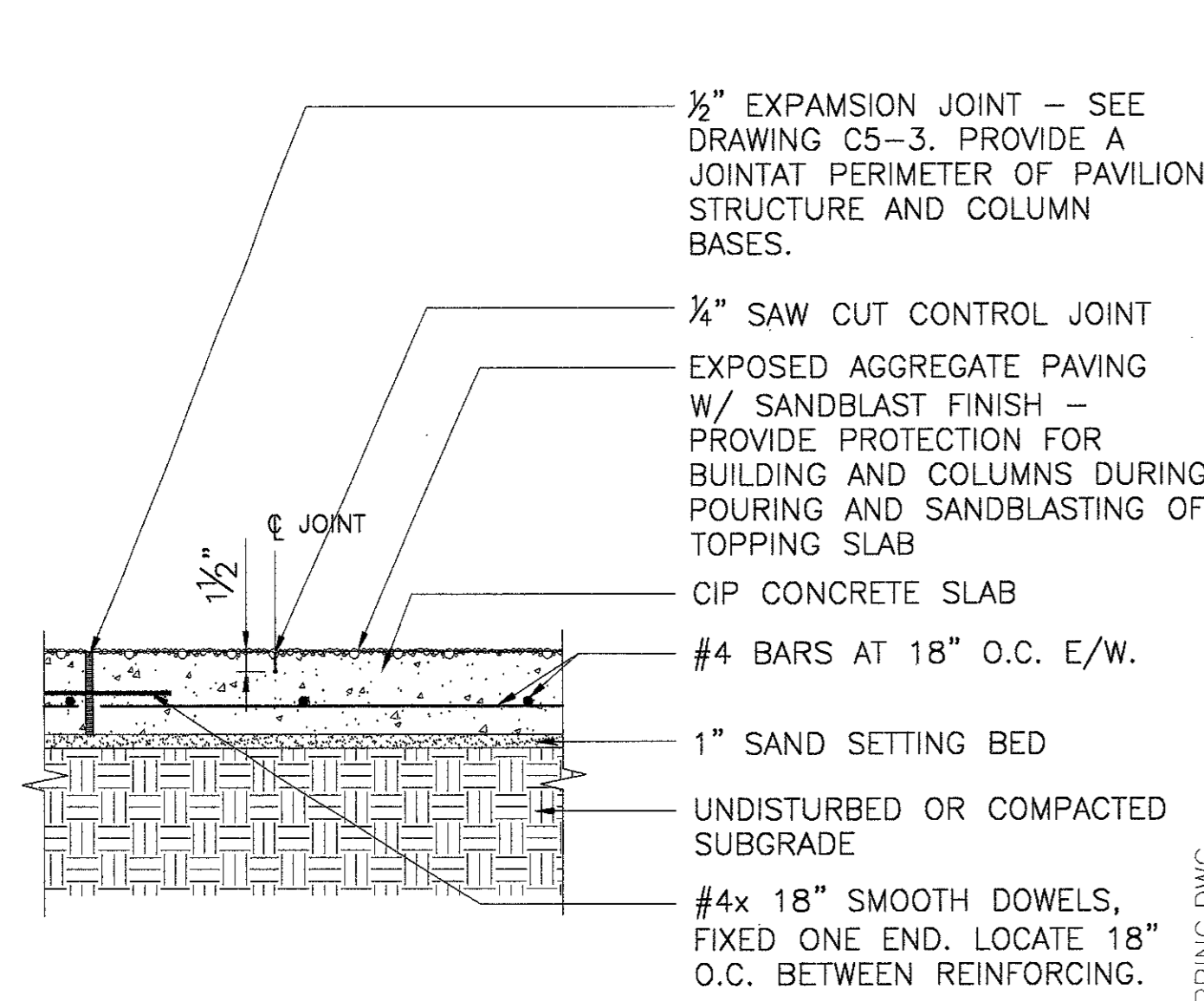


Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
ADDISON, TEXAS

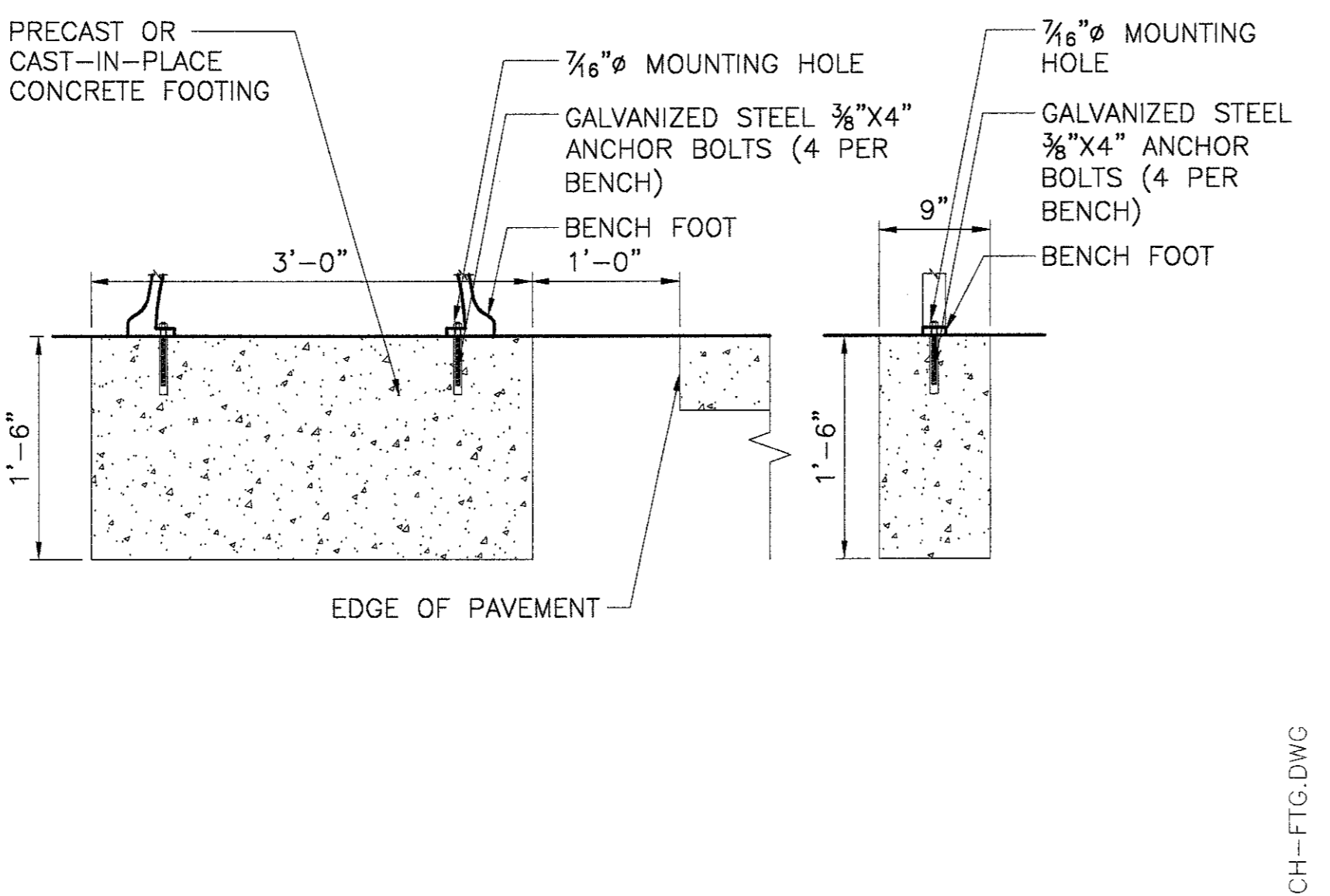
Drawing Title:  
**SITE DETAILS**

Project No. 14516.00 Scale: AS NOTED  
Drawn By: CB/SM  
Checked By: DC  
Approved By: SEH  
Date: September 30, 2002

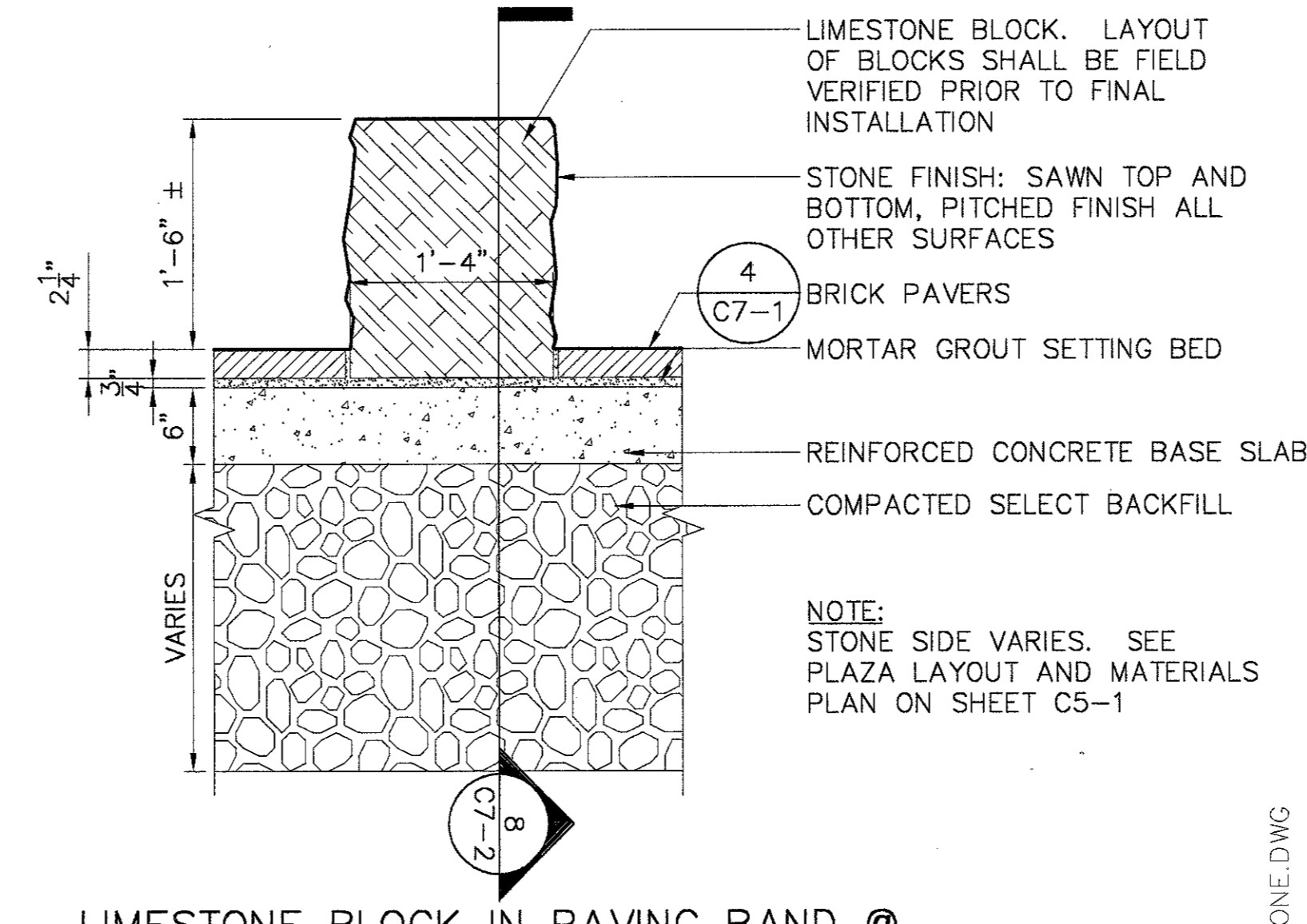
Drawing No. **C7-1**



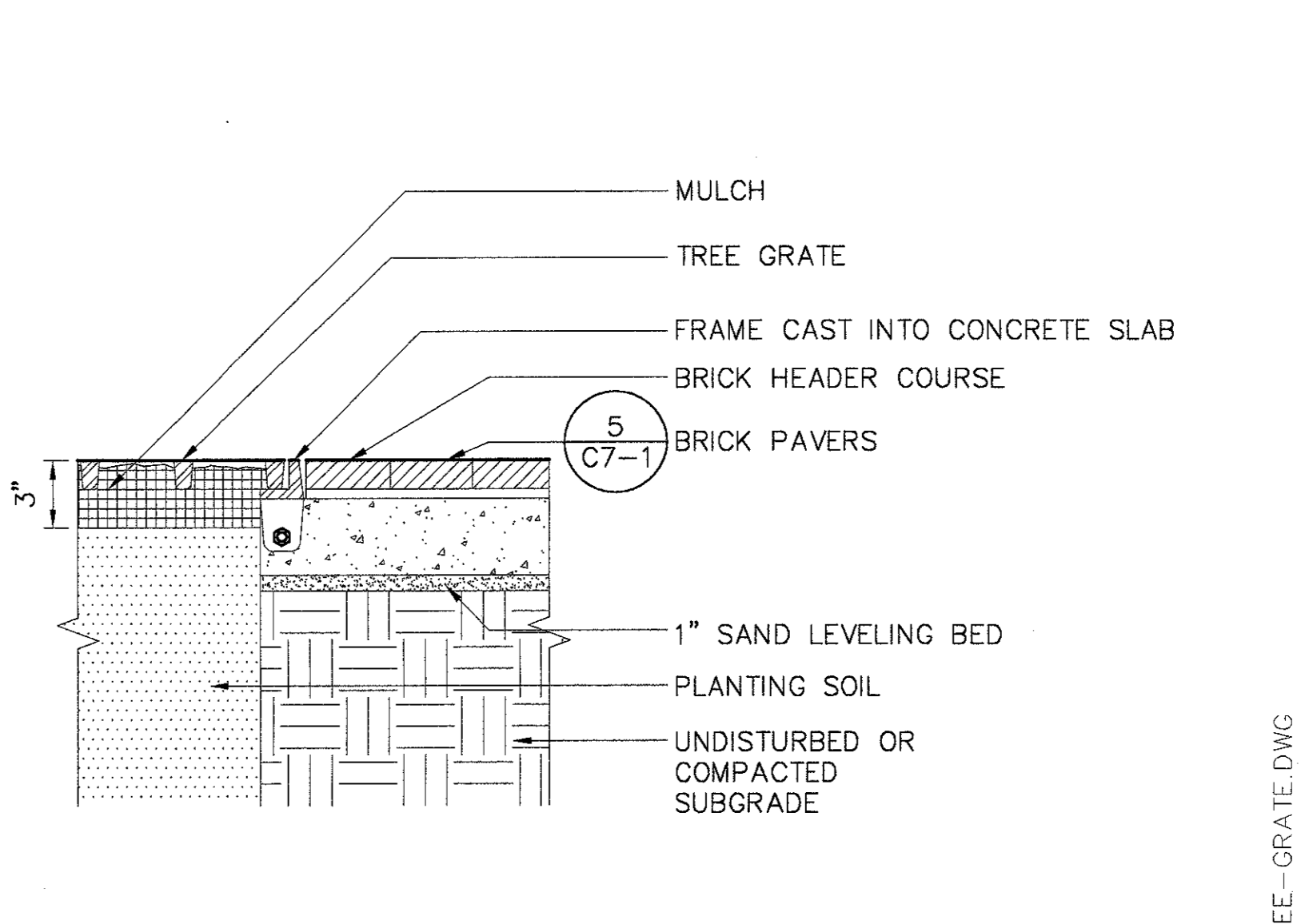
13 PAVING AT PAVILION  
SCALE: 1" = 1'-0"



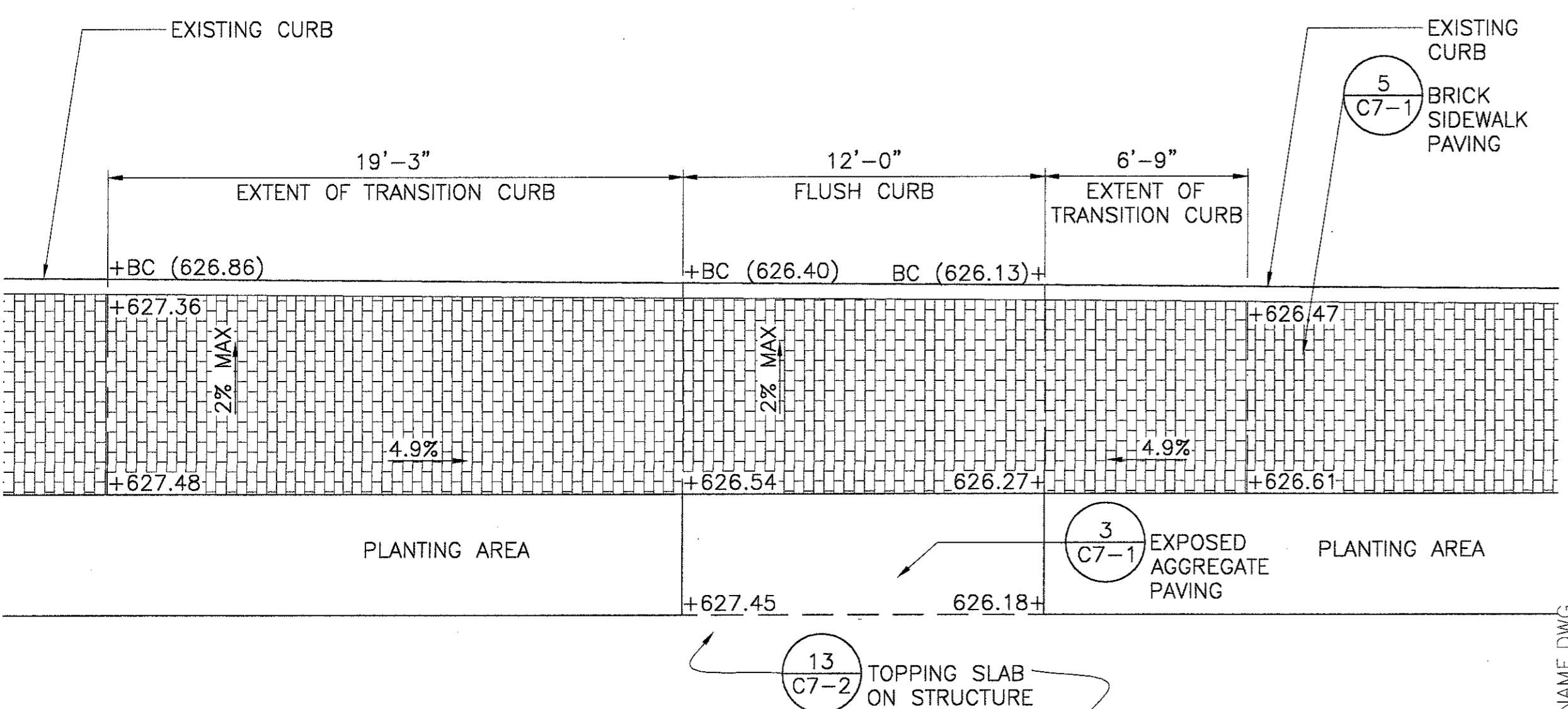
10 BENCH FOOTING  
SCALE: 1" = 1'-0"



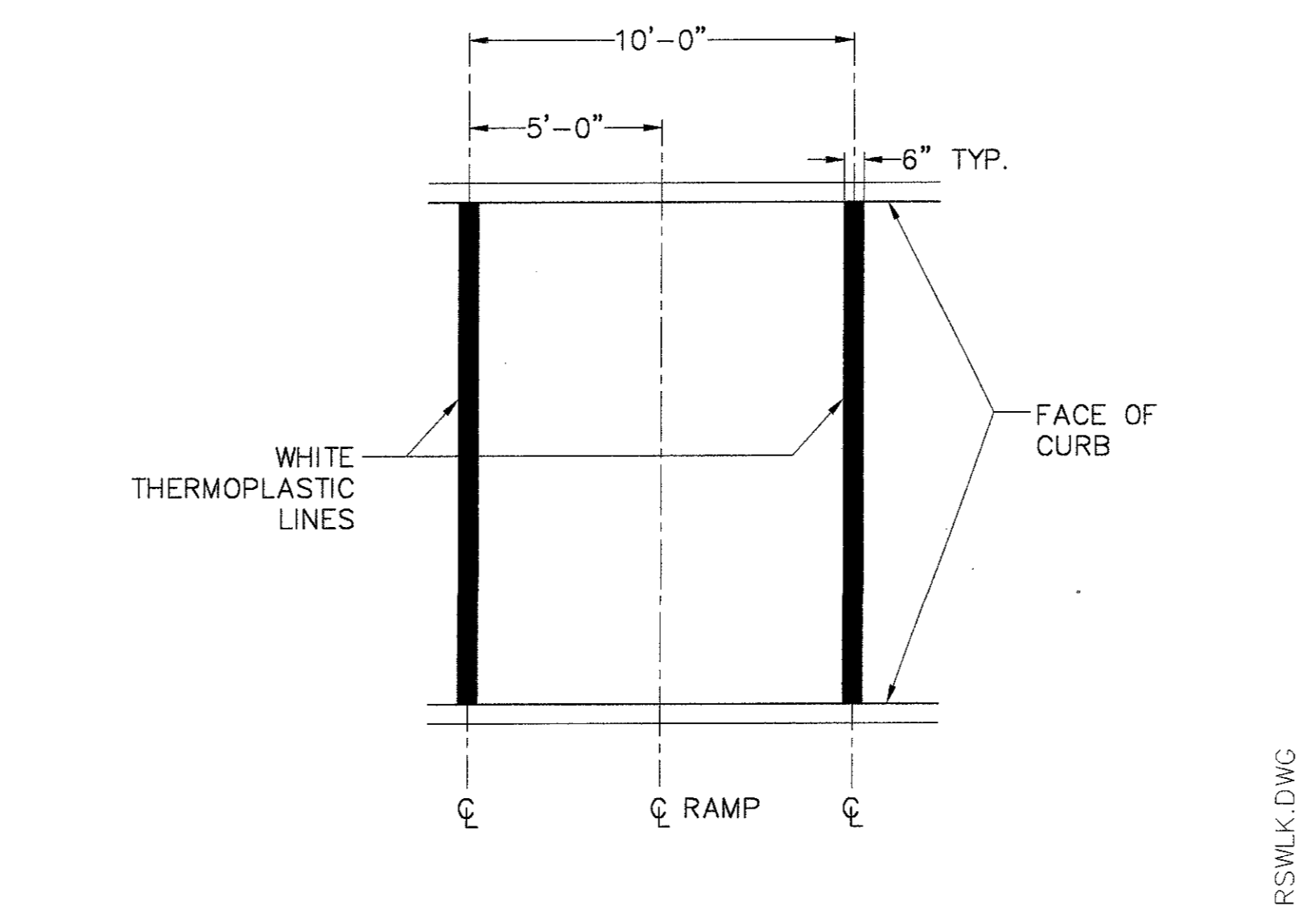
7 LIMESTONE BLOCK IN PAVING BAND @ FOUNTAIN PLAZA, TYPICAL CROSS SECTION  
SCALE: 1" = 1'-0"



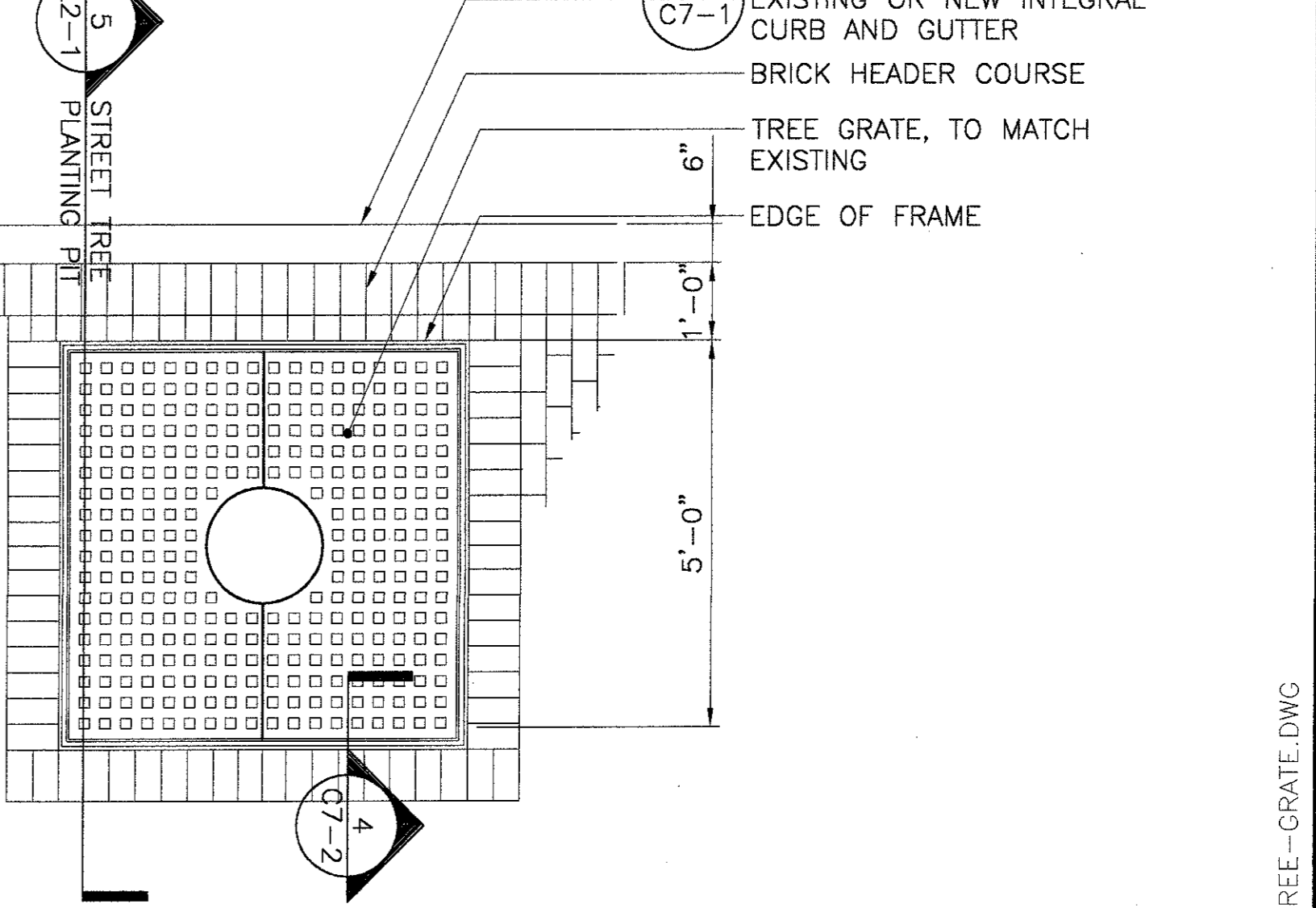
4 TREE GRATE AND FRAME SECTION  
SCALE: NONE



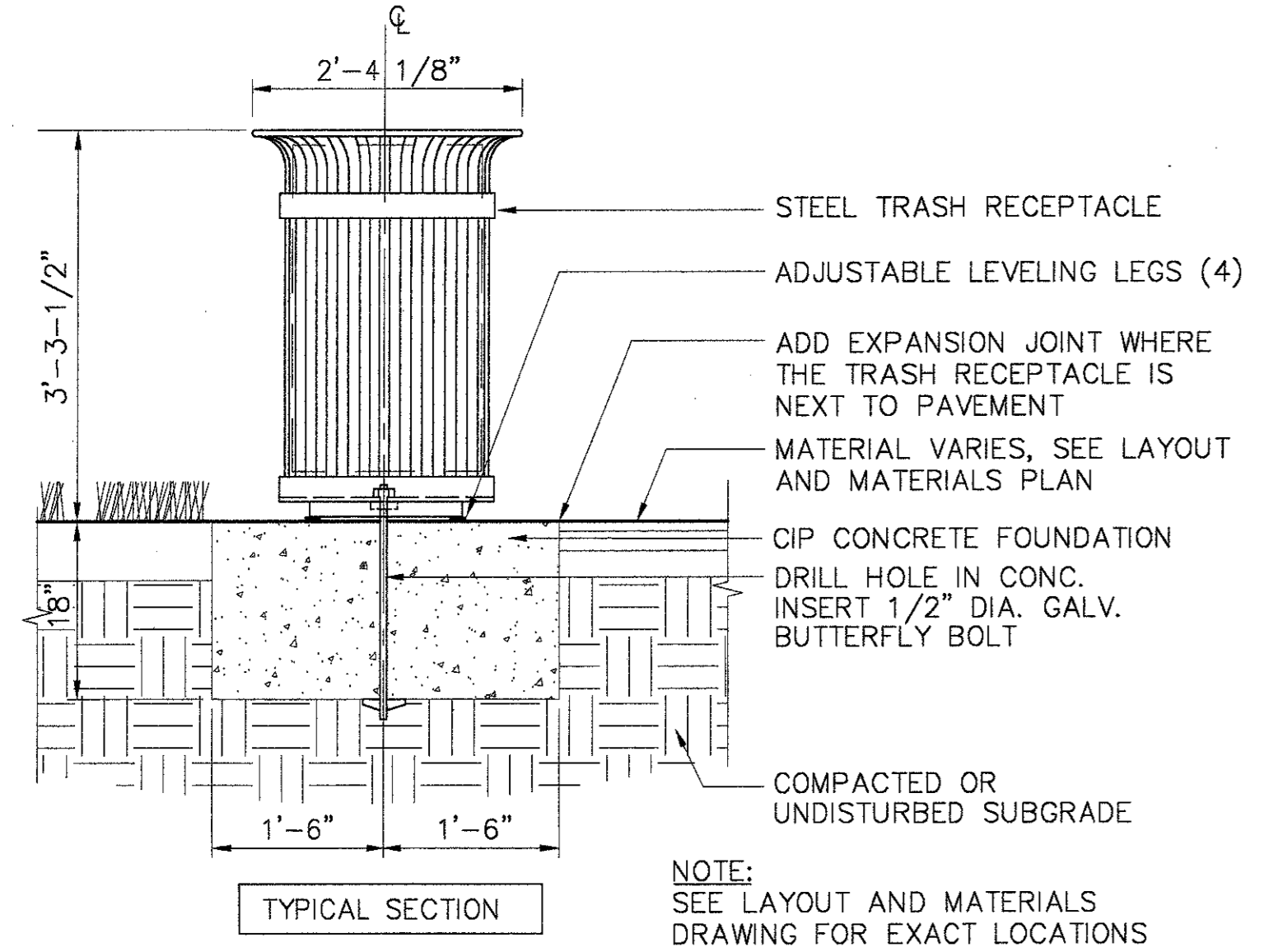
12 SERVICE RAMP AT PAVILION  
SCALE: 1/4" = 1'-0"



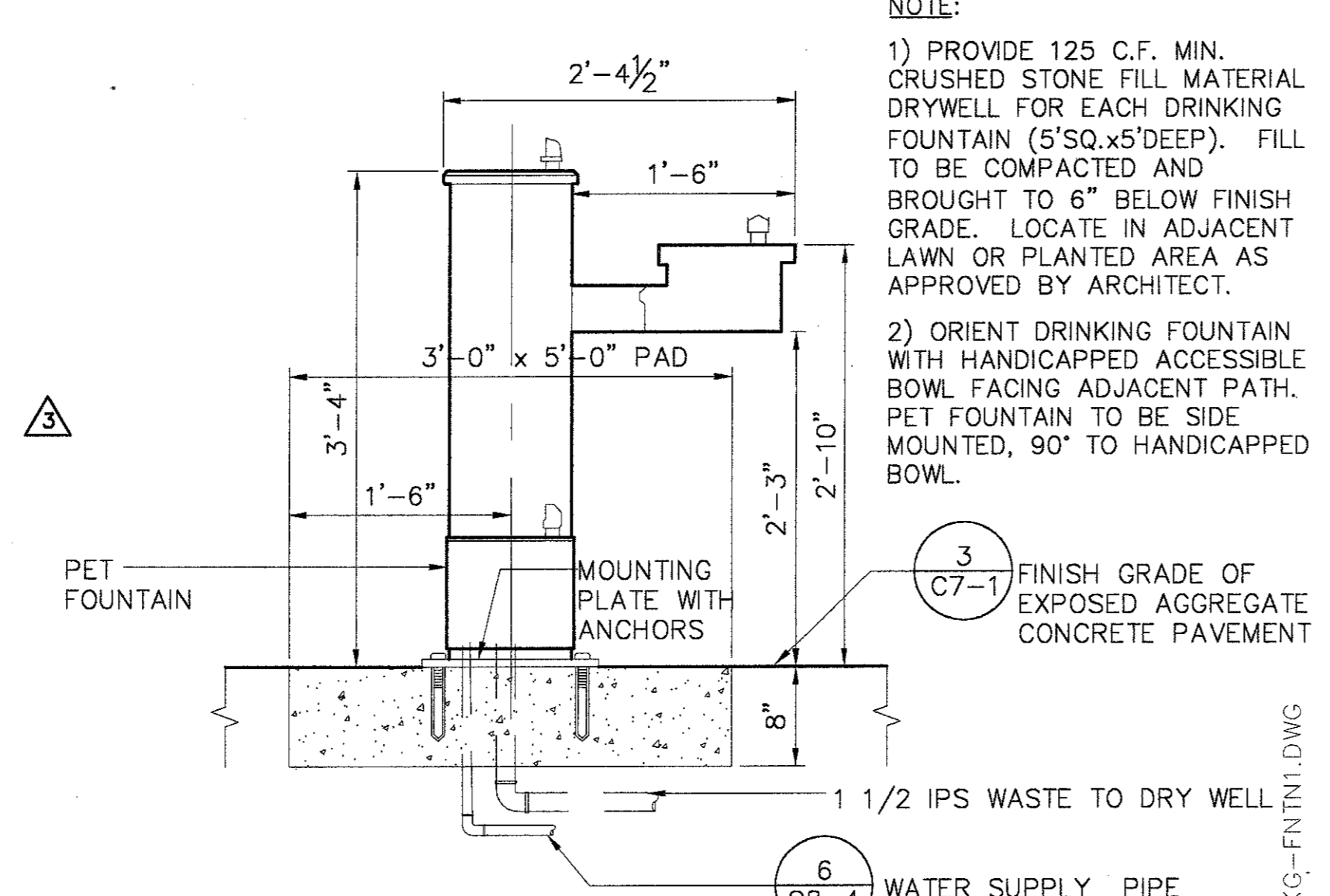
6 PAINTED CROSSWALK  
SCALE: 1/4" = 1'-0"



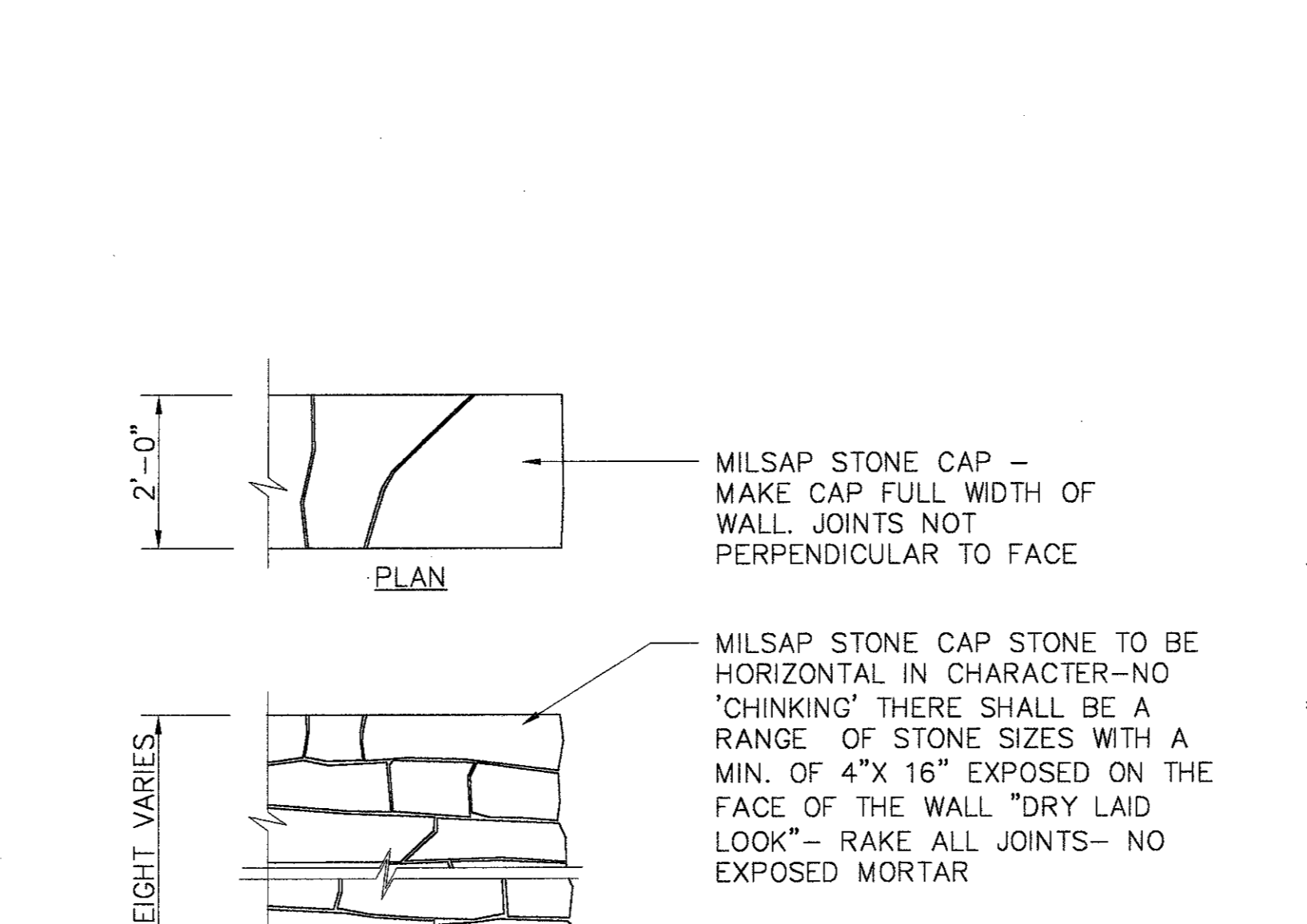
3 TREE GRATE IN ADDISON CIRCLE DRIVE: PLAN  
SCALE: 1/2" = 1'-0"



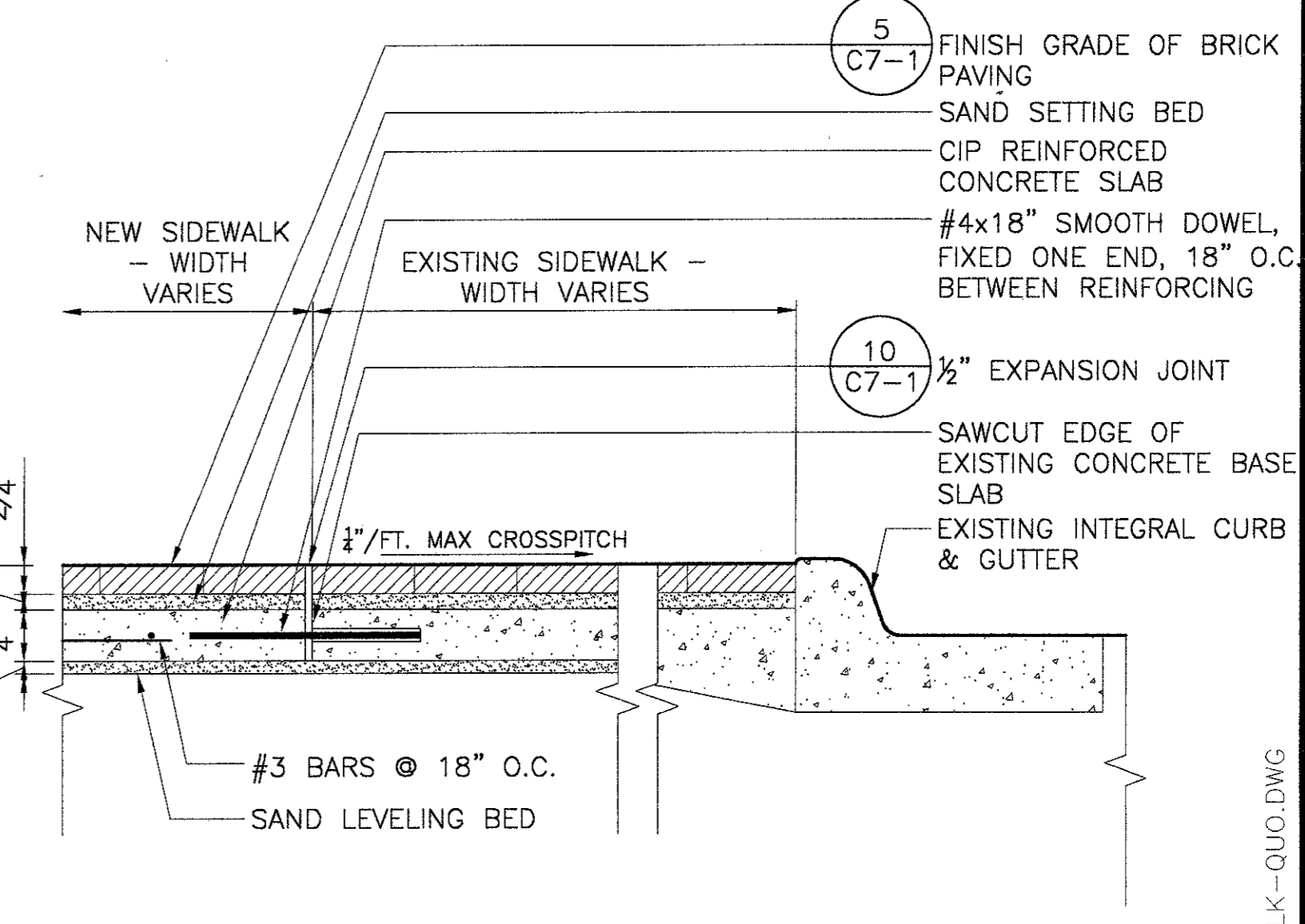
11 TRASH RECEPTACLE MOUNTING BASE: SECTION/PLAN  
SCALE: 3/4" = 1'-0"



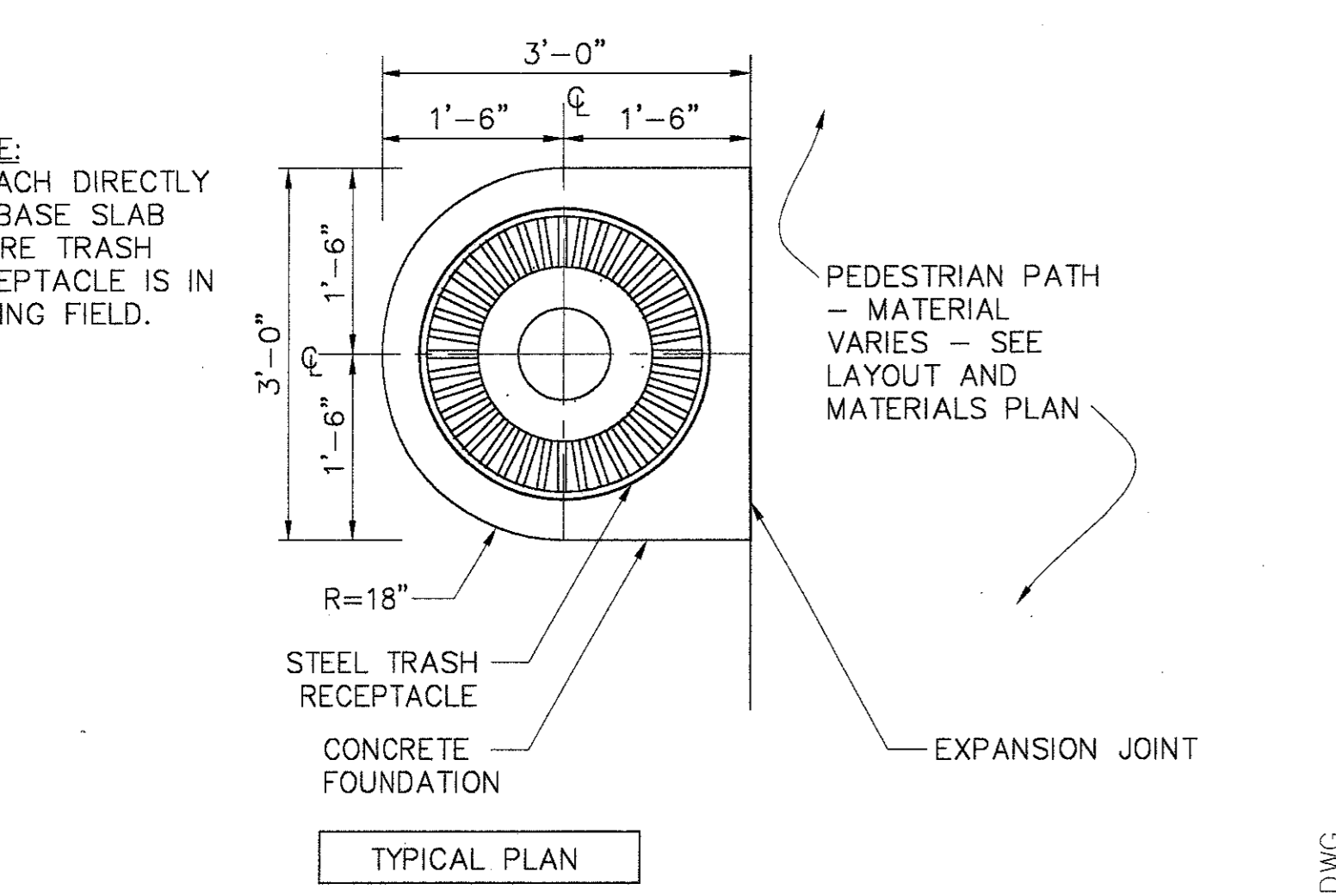
9 DRINKING FOUNTAIN ELEVATION  
SCALE: 1" = 1'-0"



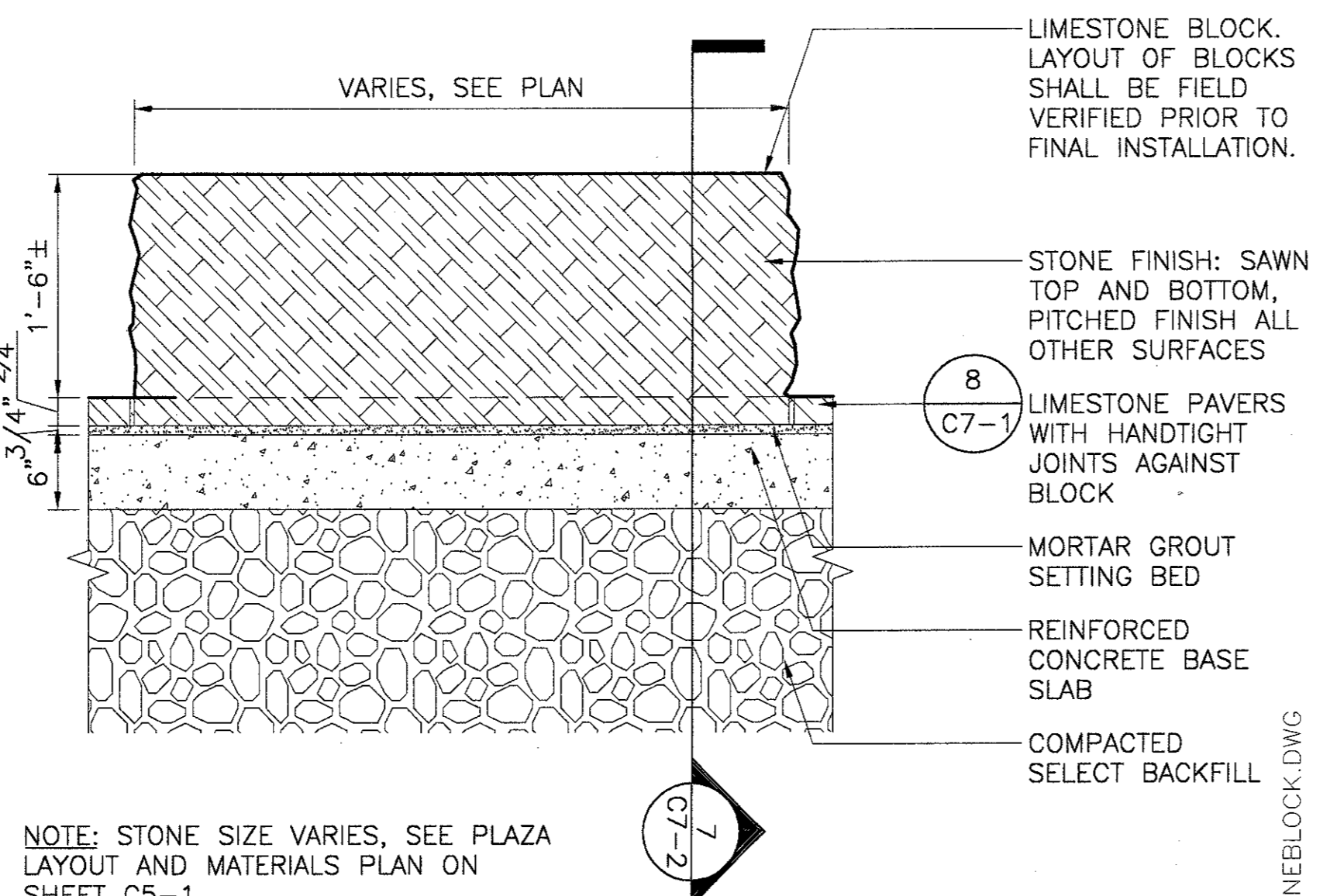
5 MILSAP STONE RETAINING WALL  
SCALE: 1/2" = 1'-0"



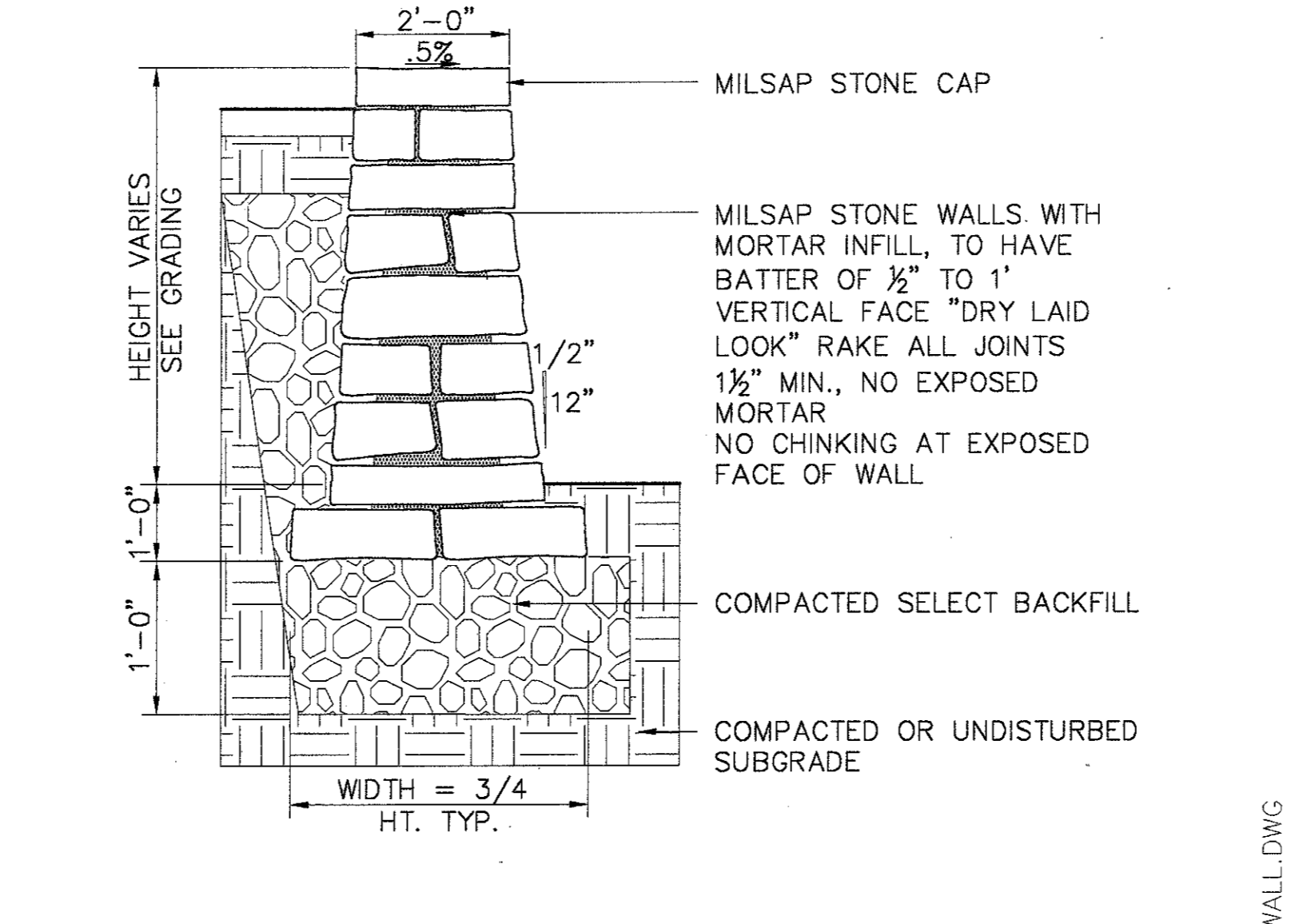
2 BRICK SIDEWALK EXTENSION AT QUORUM DRIVE  
SCALE: 1" = 1'-0"



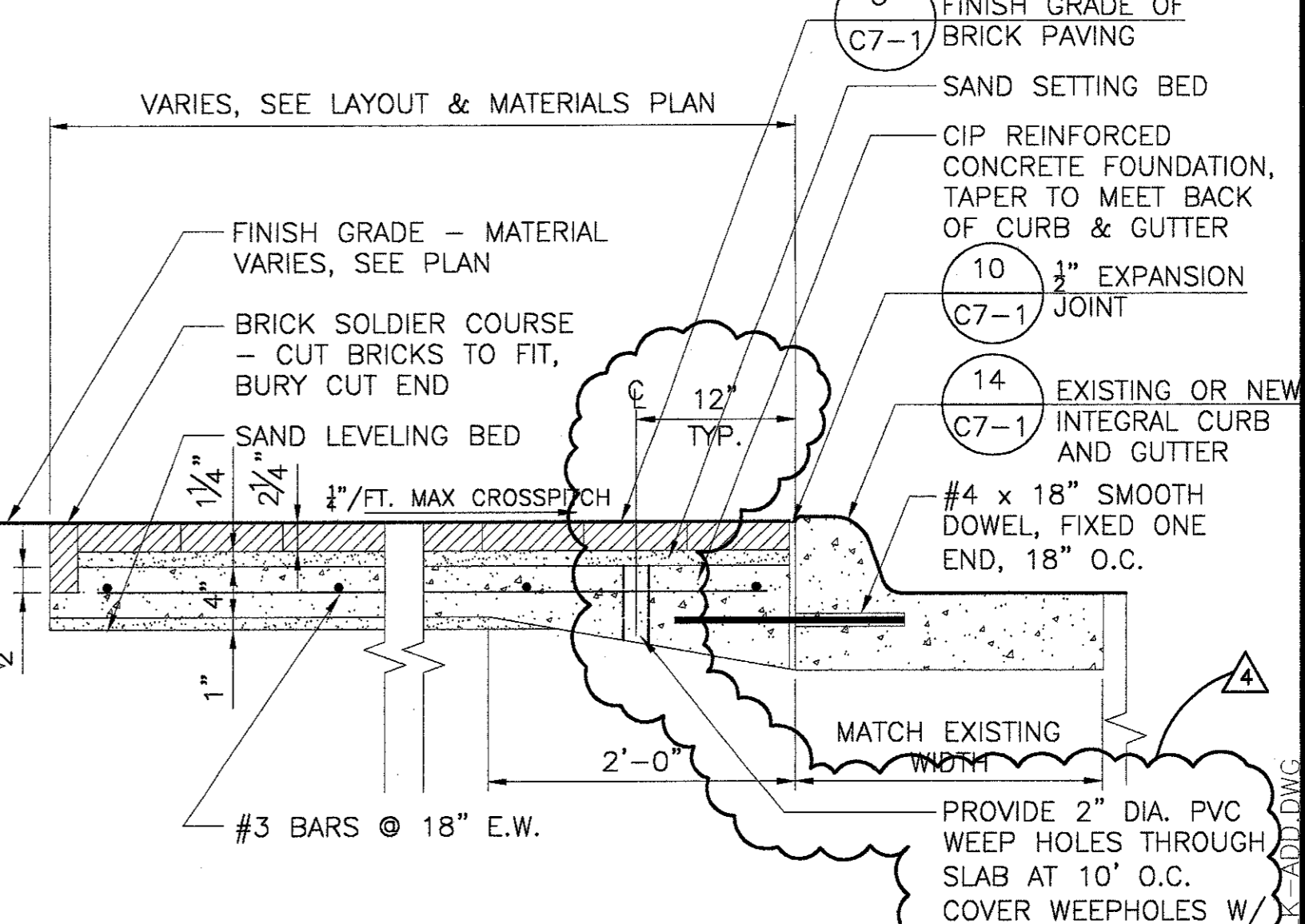
11 TRASH RECEPTACLE MOUNTING BASE: SECTION/PLAN  
SCALE: 3/4" = 1'-0"



8 LIMESTONE BLOCK IN PLAZA, TYPICAL LONG. SECTION  
SCALE: NTS



5 MILSAP STONE RETAINING WALL  
SCALE: 1/2" = 1'-0"



1 BRICK SIDEWALK SECTION AT ADDISON CIRCLE DRIVE  
SCALE: 1" = 1'-0"

BULLETIN #	DATE
BULLETIN #1	04-14-03
BULLETIN #2	03-10-03
ISSUED FOR CONSTRUCTION	11-26-02
ADDENDUM #2	10-21-02
ISSUED FOR CONSTRUCTION	09-30-02

No.	Description	Date

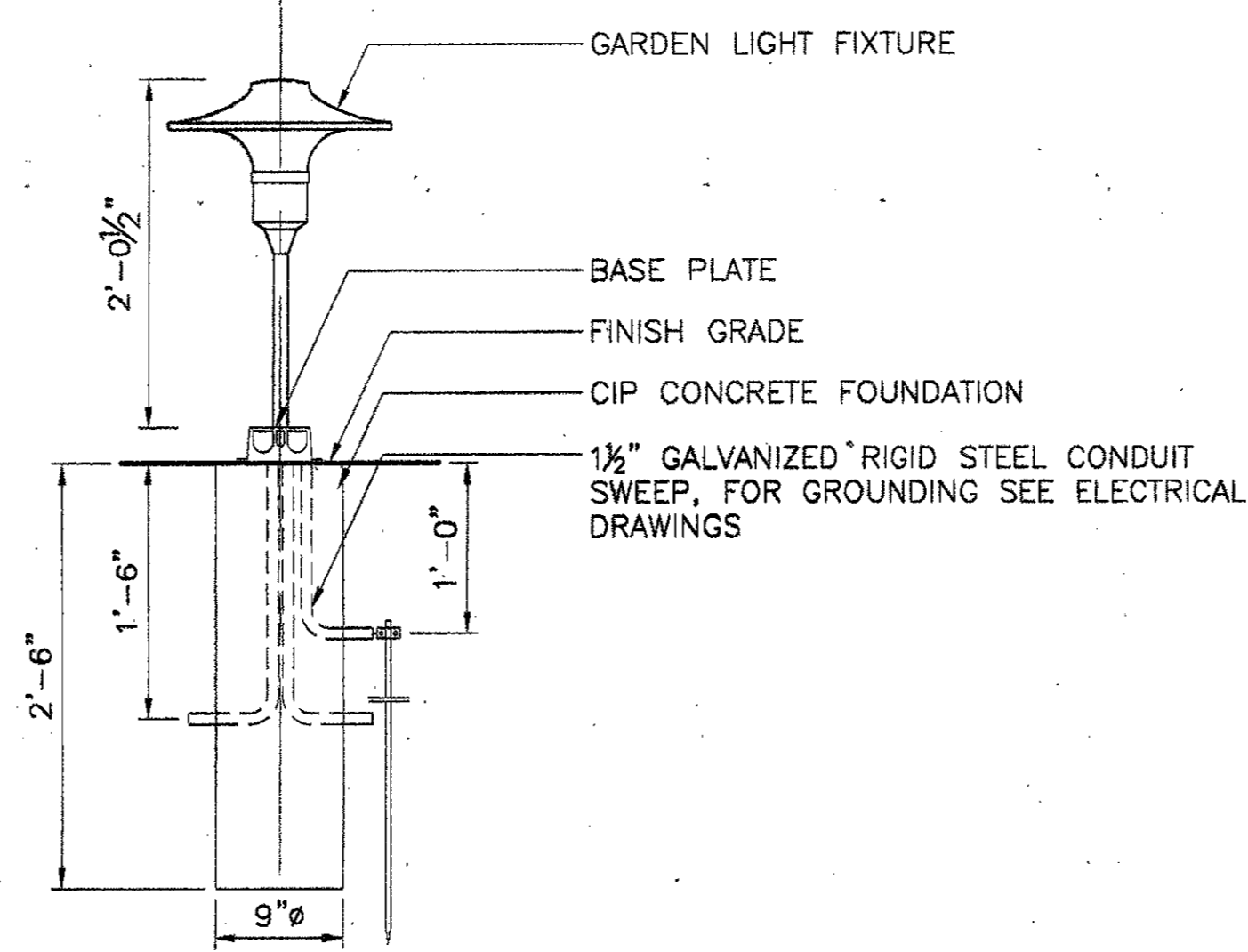


Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
ADDISON, TEXAS

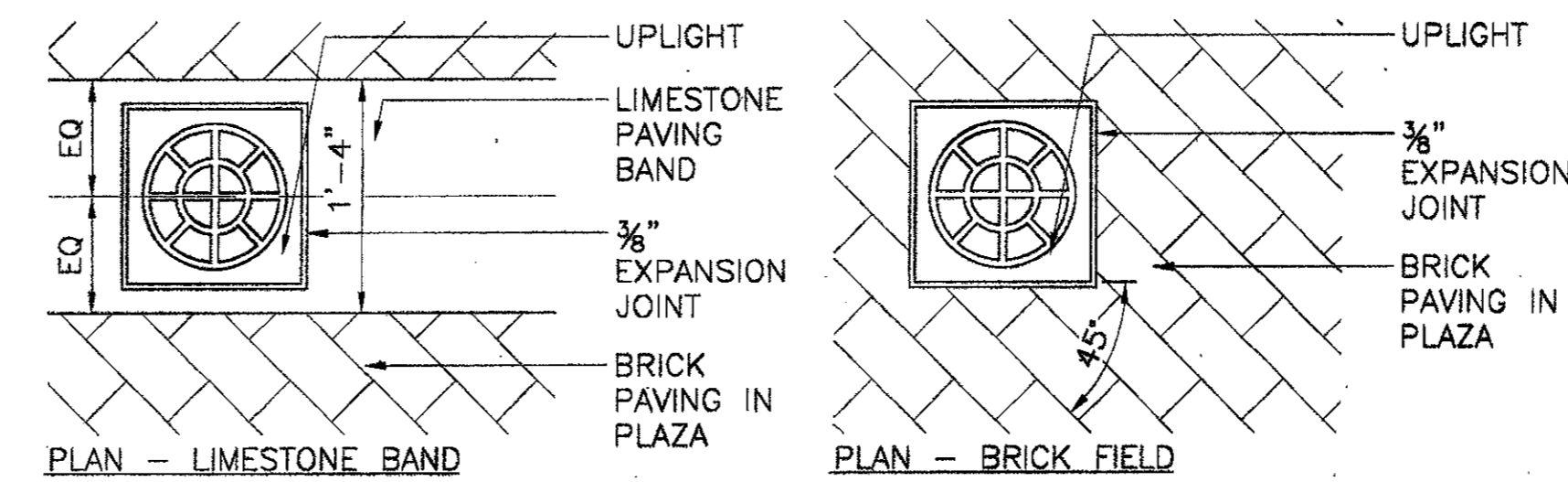
Drawing Title:  
**SITE DETAILS**

Project No. 14516.00 Scale: AS NOTED  
Drawn By: CB  
Checked By: DC  
Approved By: SEH  
Date: September 30, 2002

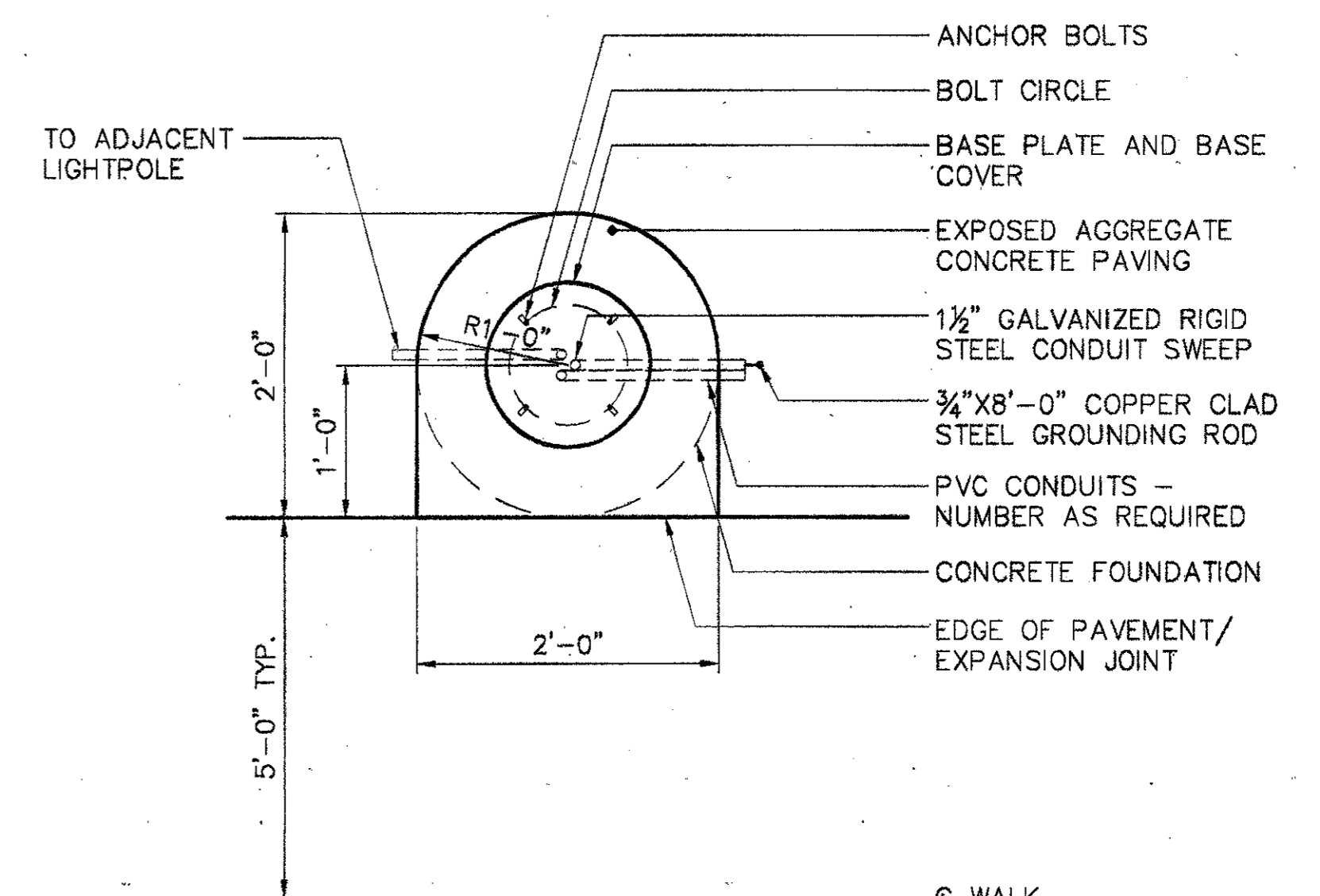
Drawing No. **C7-2**



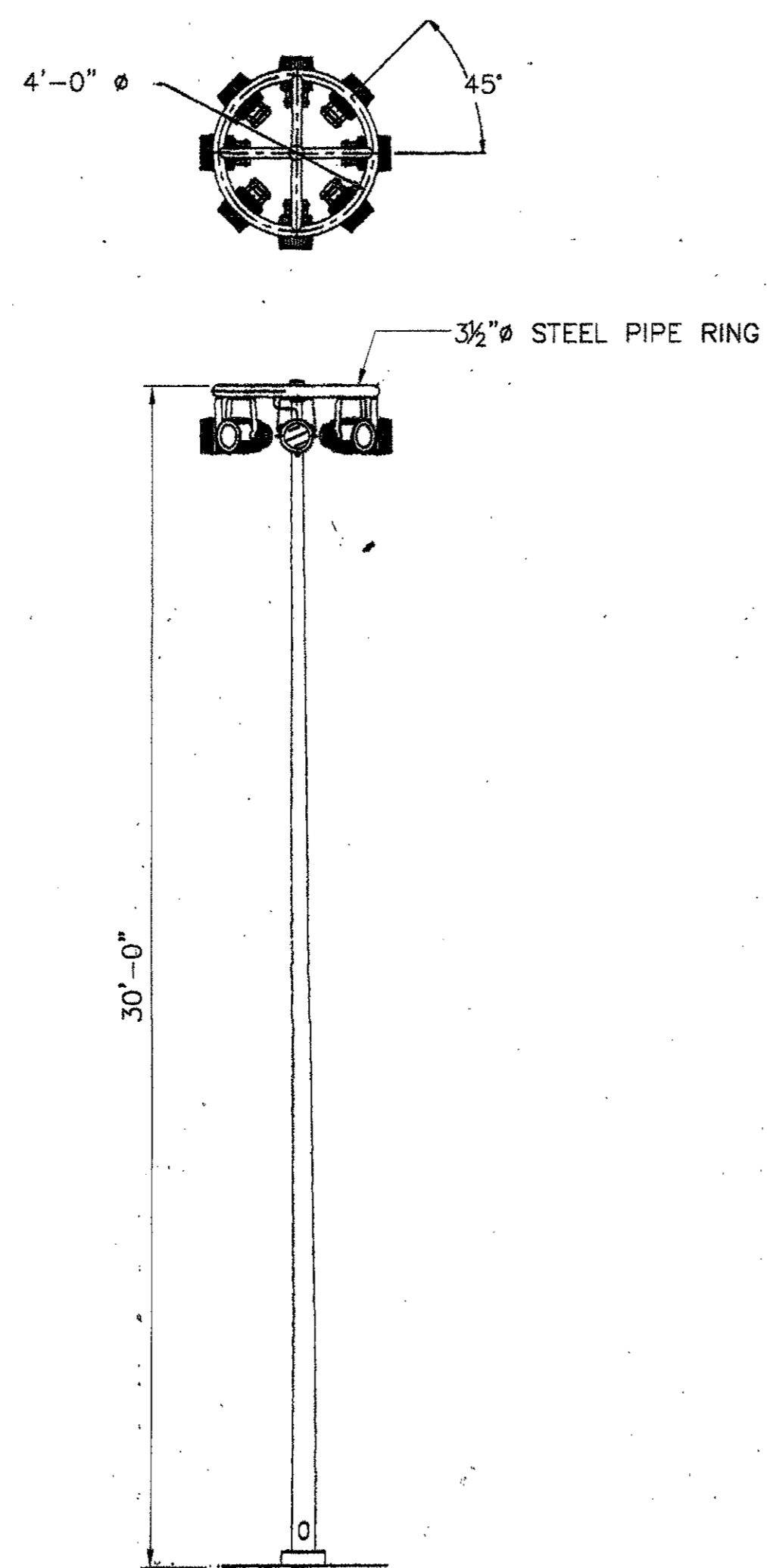
5 GARDEN LIGHT BASE  
SCALE: 1" = 1'-0"



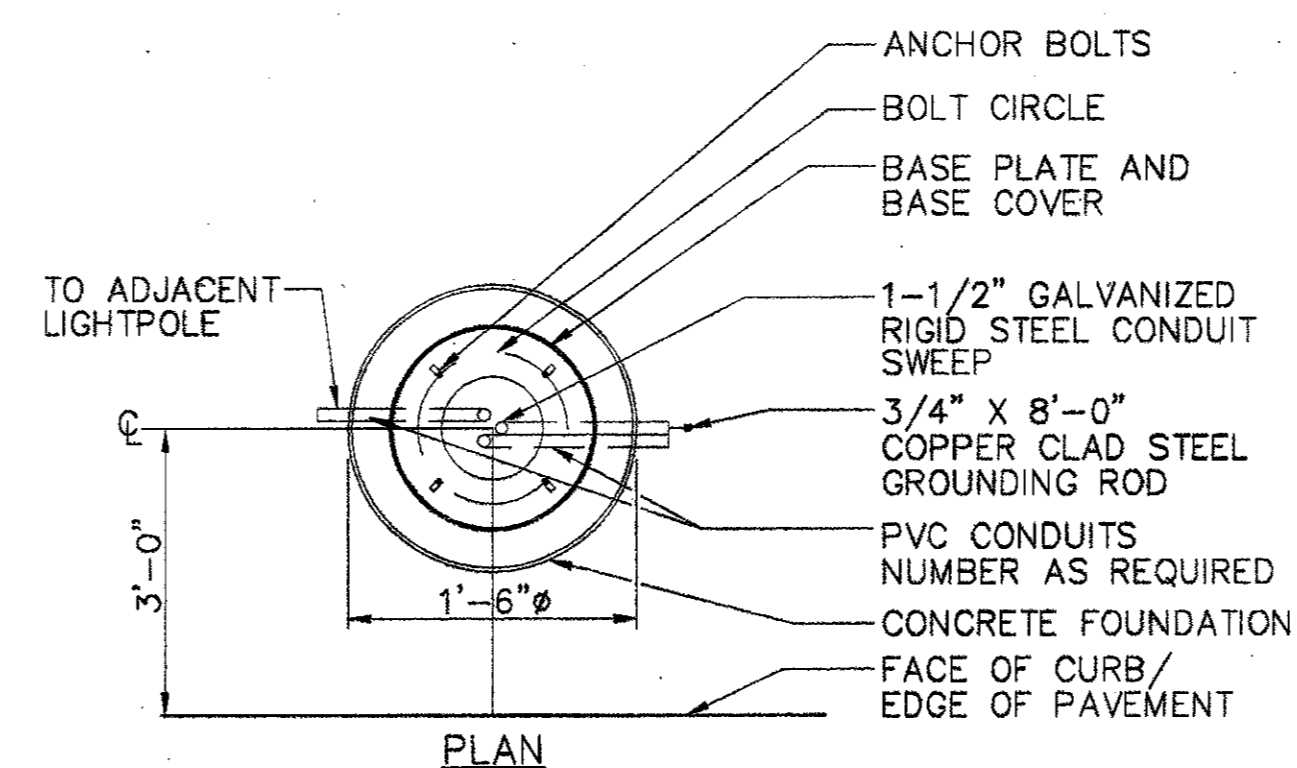
4 PLAZA FOUNTAIN UPLIGHT  
SCALE: 1" = 1'-0"



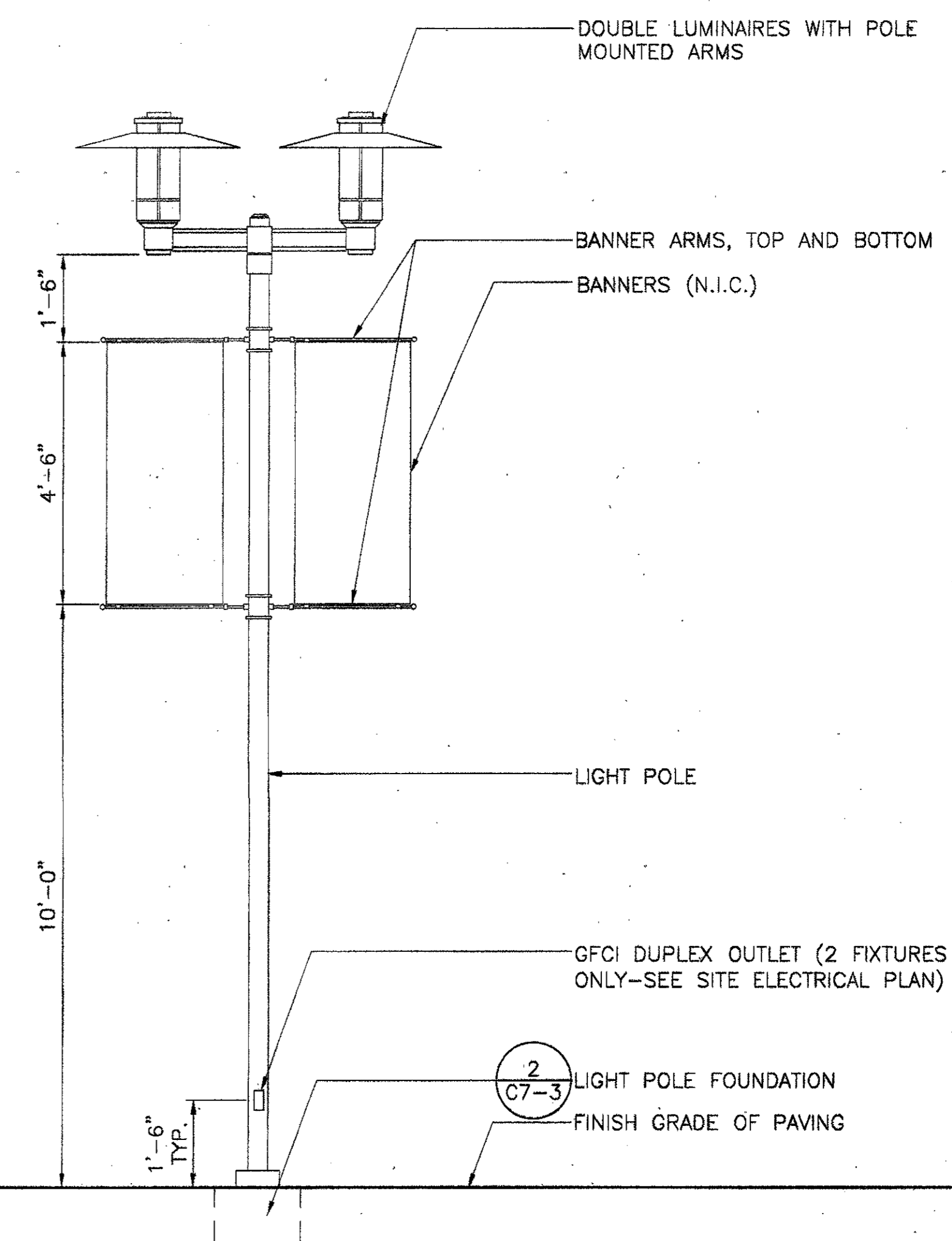
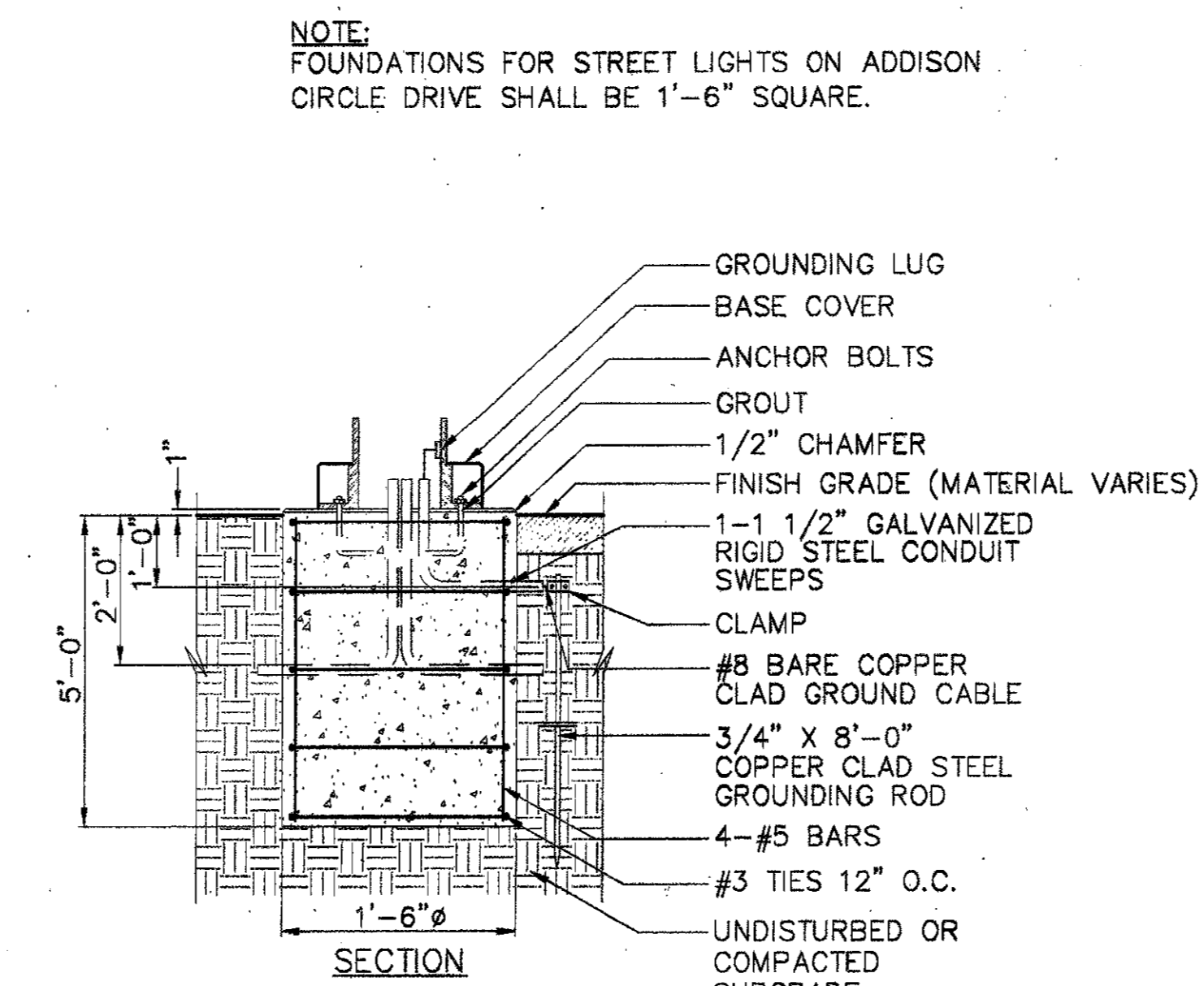
2 PEDESTRIAN LIGHT POLE FOUNDATION  
SCALE: 1" = 1'-0"



5 30' POLE WITH (8) 1000W FIXTURES  
SCALE: NONE

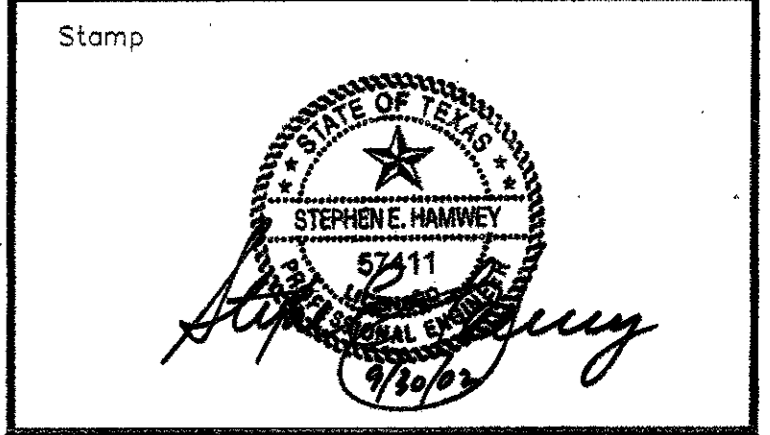


3 TYPICAL LIGHT POLE FOUNDATION  
SCALE: NONE



1 DOUBLE LIGHT POLE WITH BANNERS  
SCALE: 1/2" = 1'-0"

ISSUED FOR CONSTRUCTION	09-30-02
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DWG ISSUE & REVISION HISTORY	

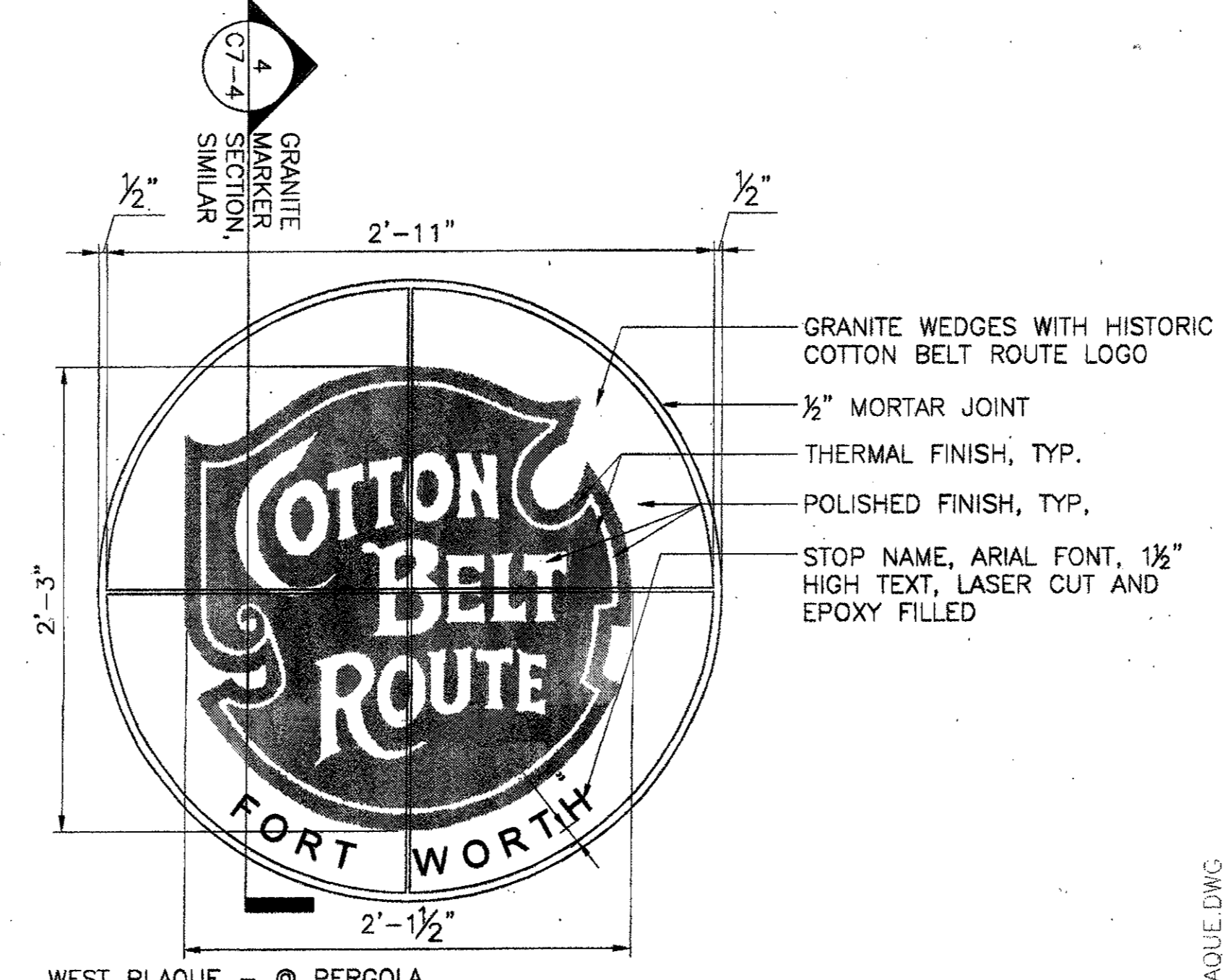
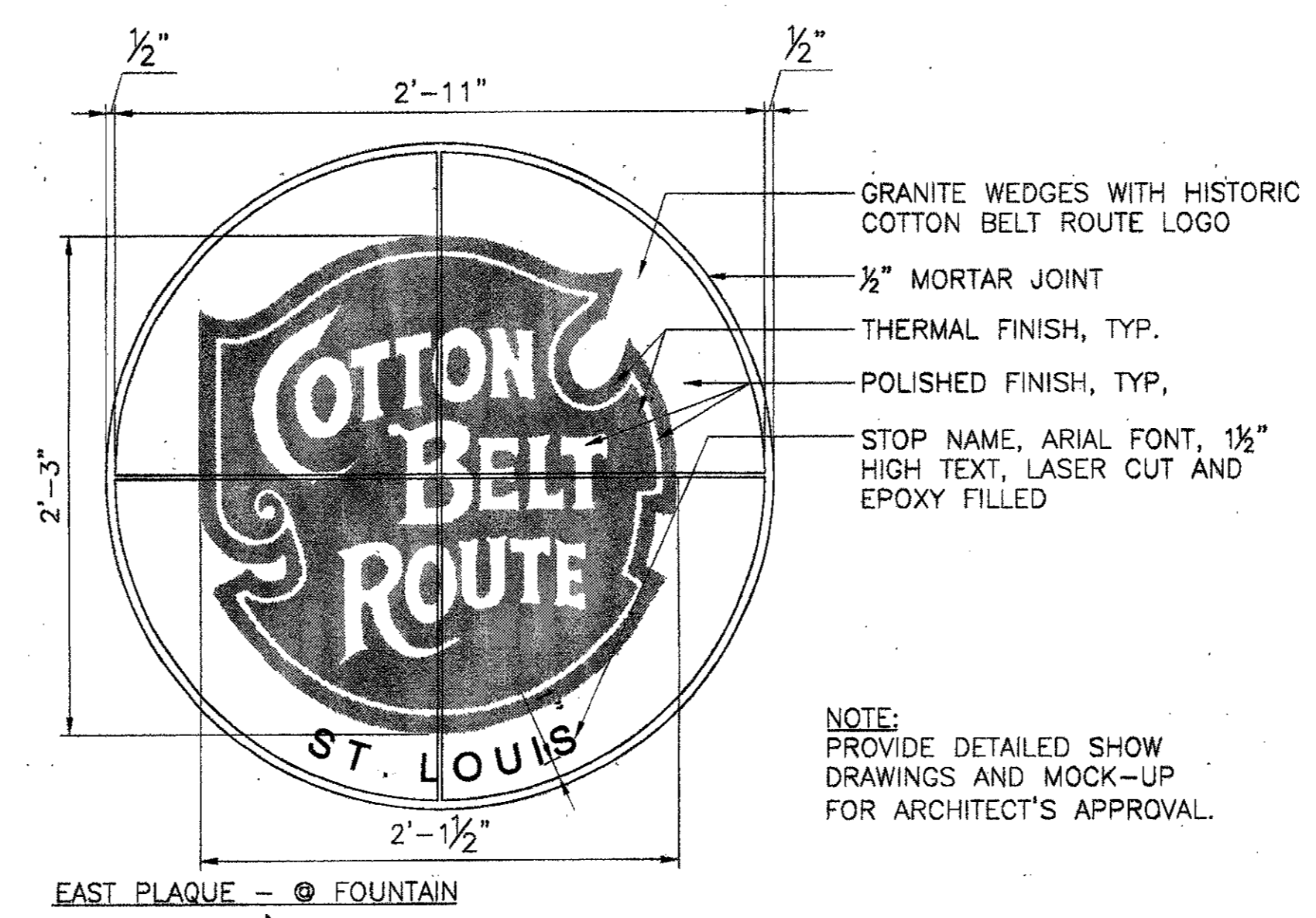


Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
ADDISON, TEXAS

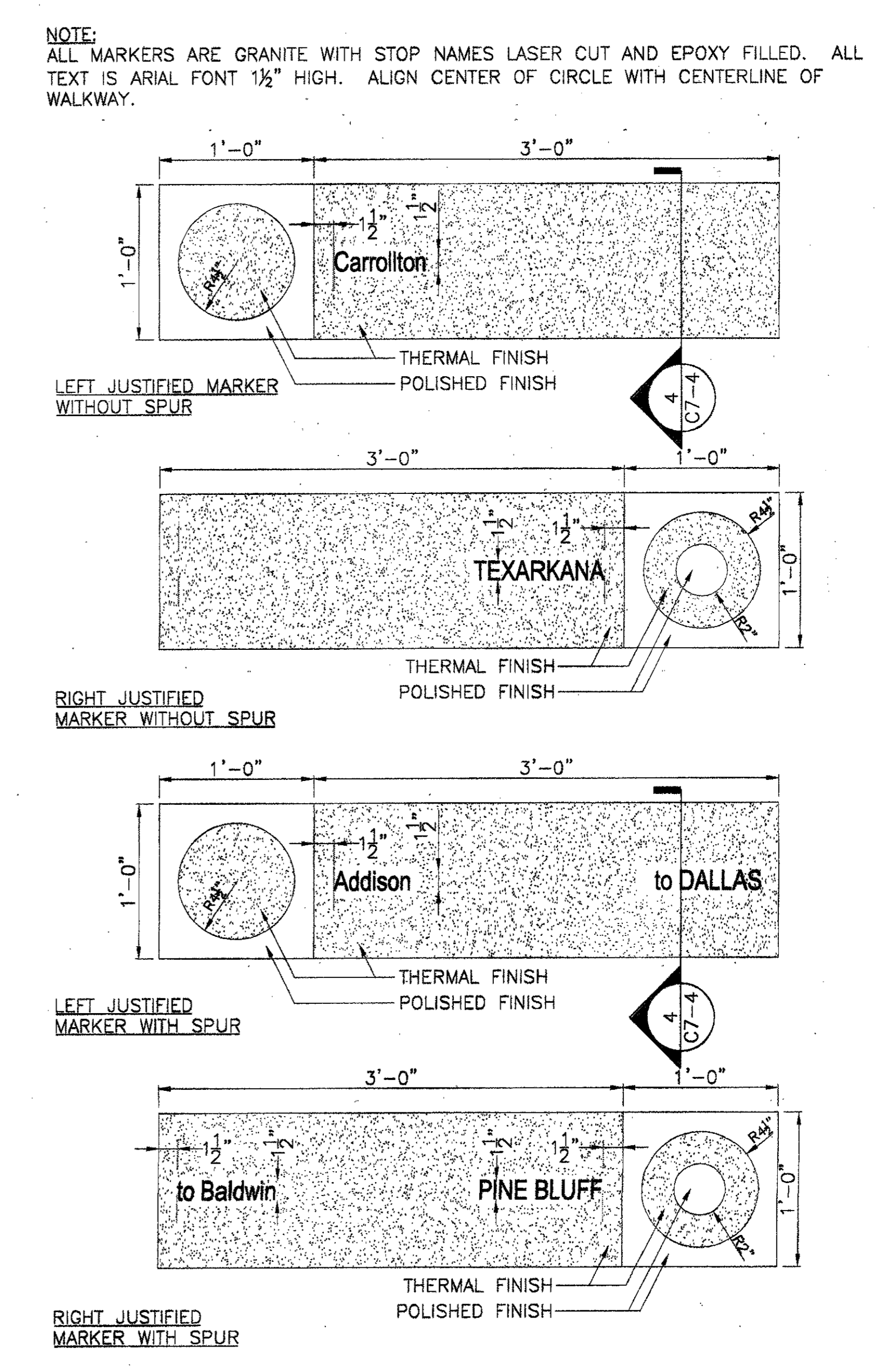
Drawing Title:  
**SITE DETAILS - LIGHTING**

Project No. 14516.00 Scale: AS NOTED  
Drawn By: CB  
Checked By: DC  
Approved By: SEH  
Date: September 30, 2002

Drawing No. **C7-3**



3 END MARKERS FOR COTTON BELT ROUTE  
 SCALE: 1 1/2" = 1'-0"



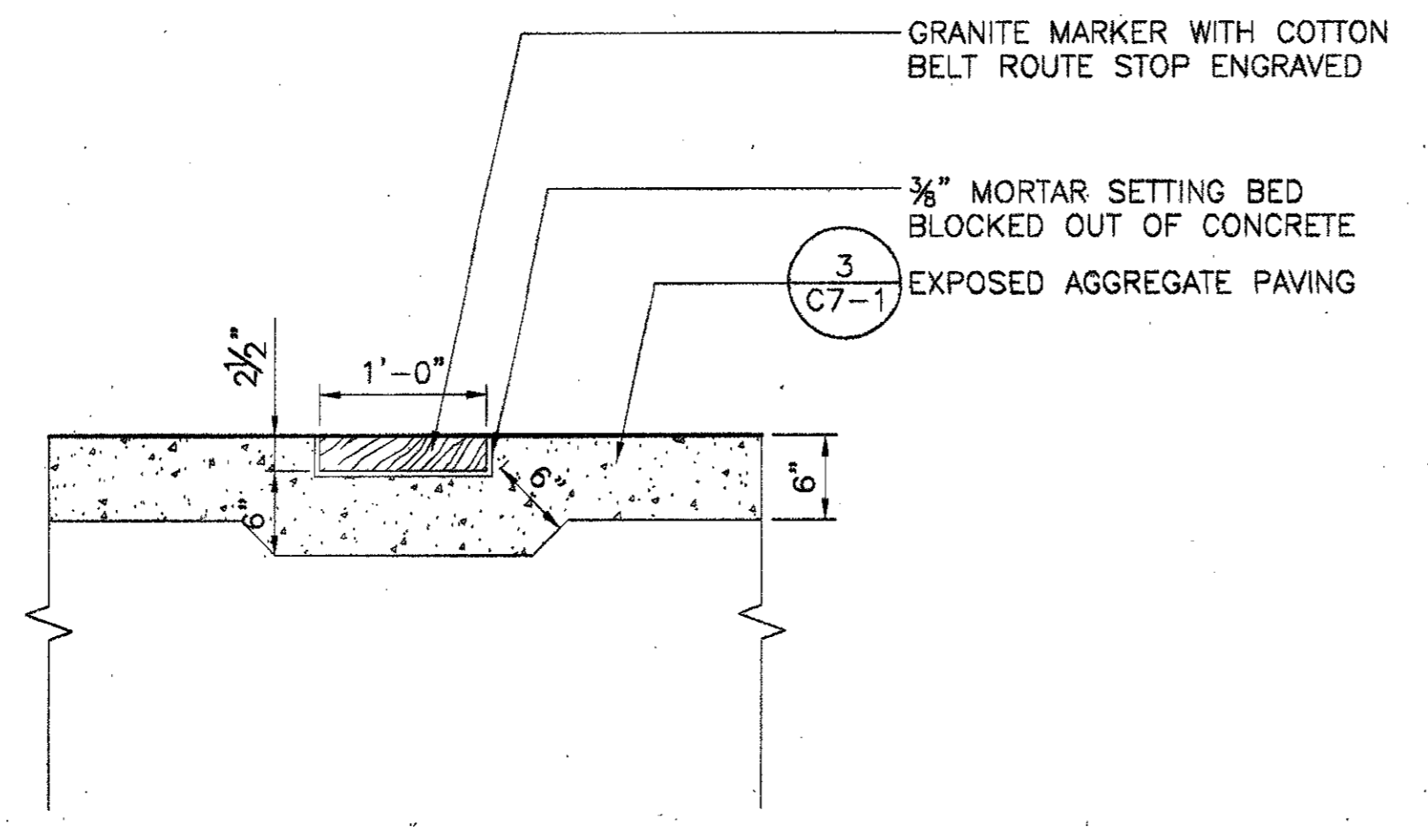
1 GRANITE MARKERS  
 SCALE: 1 1/2" = 1'-0"

BULLET	STOP NAME	SPUR	JUSTIFY
CBR LOGO	FORT WORTH		
SOLID	Carrollton		left
SOLID	Addison	to DALLAS	left
SOLID	Plano	to SHERMAN	right
SOLID	Wylie		right
HOLLOW	GREENVILLE		right
HOLLOW	COMMERCE	to Paris	right
SOLID	Sulphur Springs		left
SOLID	Mount Vernon		left
HOLLOW	MT. PLEASANT	to TYLER	left
SOLID	Omaha		right
SOLID	Naples		right
SOLID	Redwater		right
SOLID	Defense		right
HOLLOW	TEXARKANA		right
SOLID	Garland City		right
HOLLOW	LEWISVILLE	to SHREVEPORT	left
SOLID	Stamps		right
SOLID	Waco		right
SOLID	Mc Neil		right
SOLID	Stephens		right
SOLID	Camden		right
SOLID	Shumaker		right
SOLID	Bearden		left
SOLID	Fordyce		right
SOLID	Kingsland		left
SOLID	Rison		right
HOLLOW	PINE BLUFF	to Baldwin	right
SOLID	Alzheimer	to LITTLE ROCK	right
HOLLOW	STUTTIGART	to Gillett	left
SOLID	Clerendon		right
HOLLOW	BRINKLEY	to MEMPHIS	left
SOLID	Fair Oaks		right
SOLID	Hickory Ridge		right
SOLID	Weiner		right
HOLLOW	JONESBORO		right
HOLLOW	PARAGOULD	to BLYTHEVILLE	left
SOLID	Rector		right
SOLID	Piggott		right
SOLID	Campbell		left
HOLLOW	MALDEN	to Wyatt	left
SOLID	Bernie		left
SOLID	Dexter		right
SOLID	Bell City		left
SOLID	Delte		right
SOLID	Ilmo		left
SOLID	Thebes		right
HOLLOW	E. ST. LOUIS		right
CBR LOGO	ST. LOUIS		

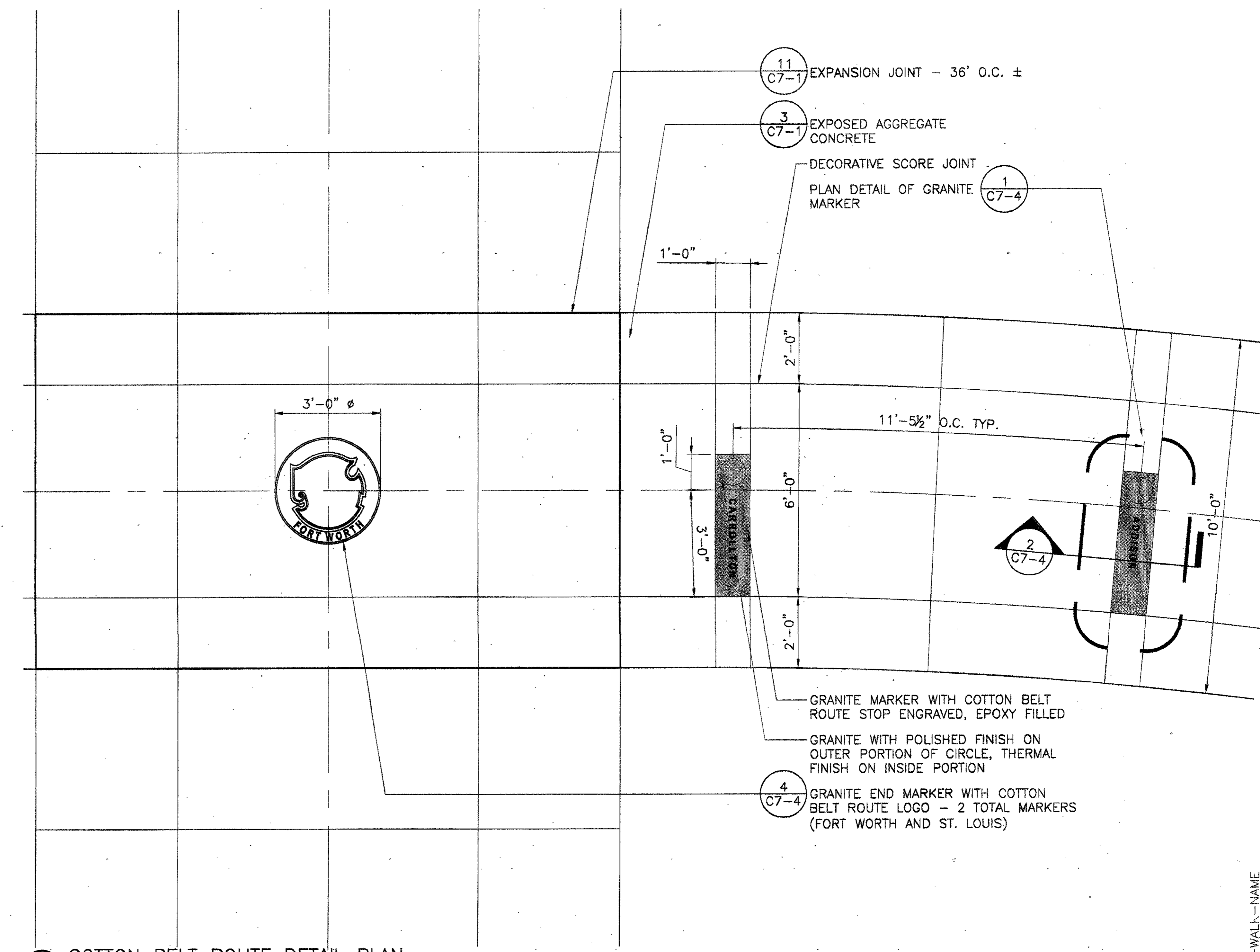
NOTE:  
 STOPS START AT WESTERN END (AT CENTERLINE OF PERGOLA PATH) AND PROCEED EQUALLY SPACED EAST TO FOUNTAIN (BASELINE " "). BEGINNING AND ENDING STOPS HAVE 3" MARKERS WITH COTTON BELT ROUTE LOGO.

TEXT ON ALL STOP MARKERS EXCEPT FORT WORTH AND ST. LOUIS TO READ NORTH-SOUTH REGARDLESS OF JUSTIFICATION.

HOLLOW BULLET CORRESPONDS WITH ALL CAPS AND DOES NOT DENOTE SPUR.

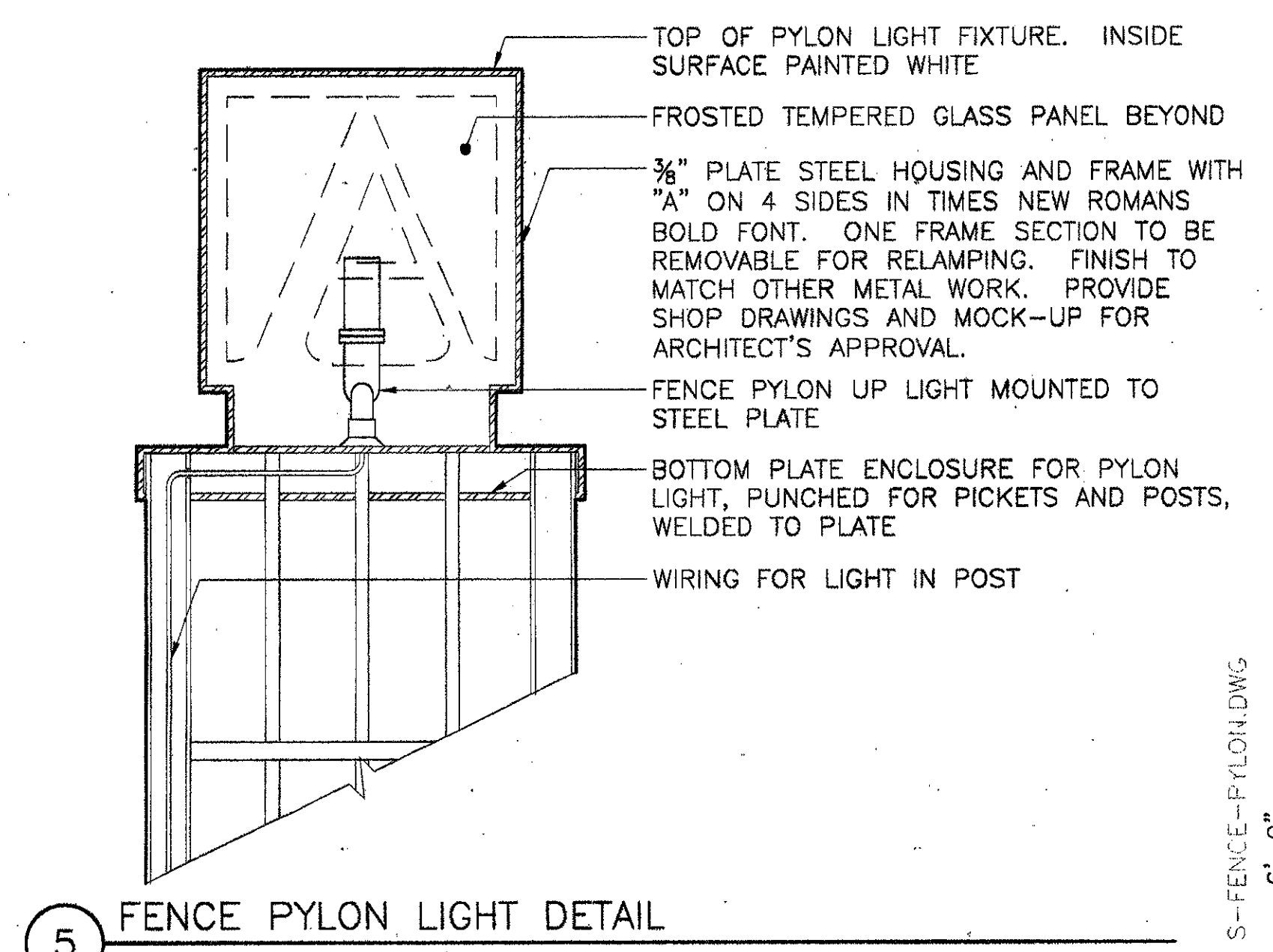


4 GRANITE MARKER SECTION  
 SCALE: 1" = 1'-0"

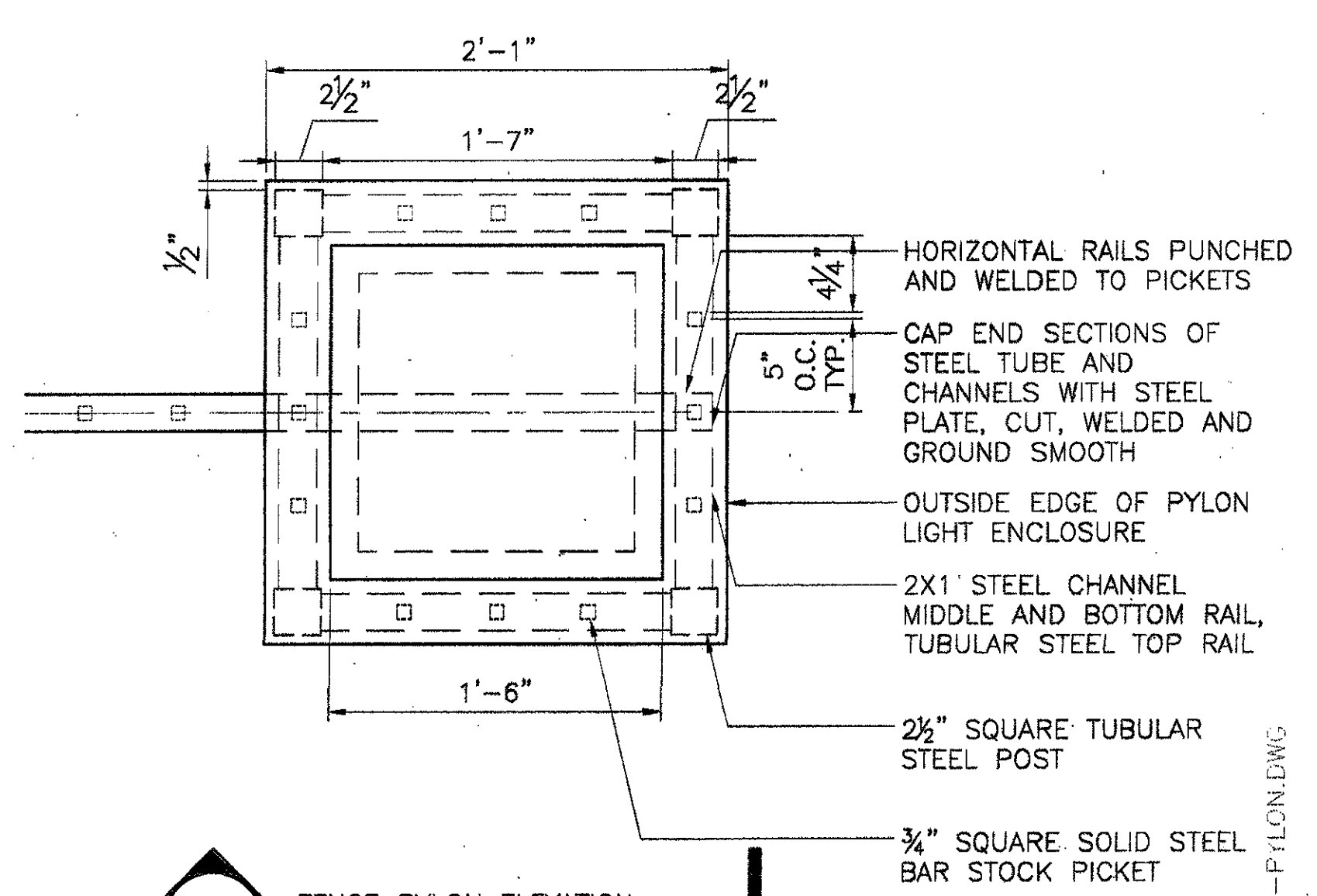


2 COTTON BELT ROUTE DETAIL PLAN  
 SCALE: 1/2" = 1'-0"

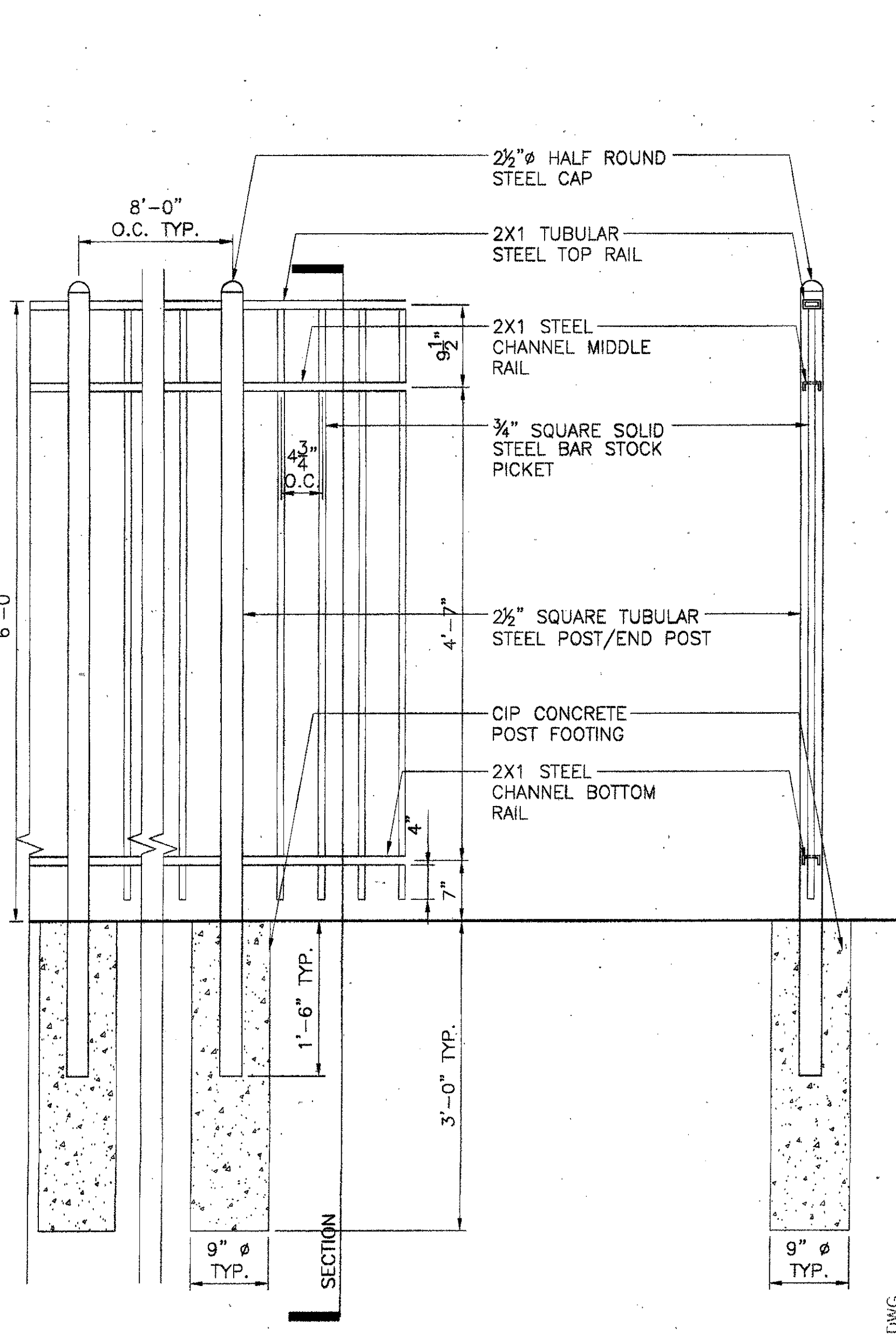
ISSUED FOR CONSTRUCTION	09-30-02
No. Description	Date
DWG ISSUE & REVISION HISTORY	
Stamp	
Project Title:	
<b>ADDISON ARTS &amp; EVENTS DISTRICT</b> ADDISON, TEXAS	
Drawing Title:	
<b>SITE DETAILS - COTTON BELT ROUTE</b>	
Project No: 14516.00 Scale: AS NOTED	
Drawn By: CB	
Checked By: DC	
Approved By: SEH	
Date: September 30, 2002	
Drawing No. <b>C7-4</b>	



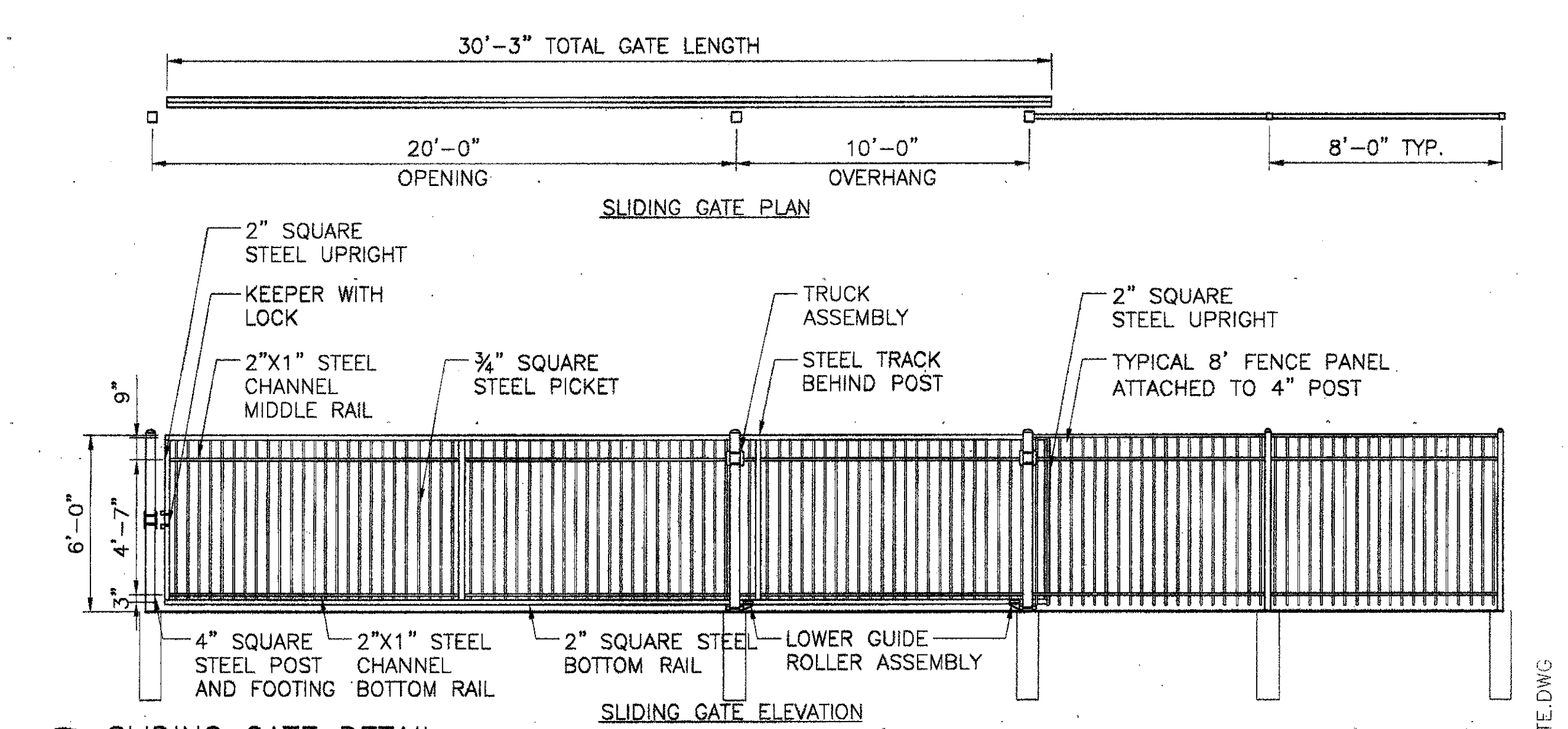
5 FENCE PYLON LIGHT DETAIL  
 SCALE: 1 1/2" = 1'-0"



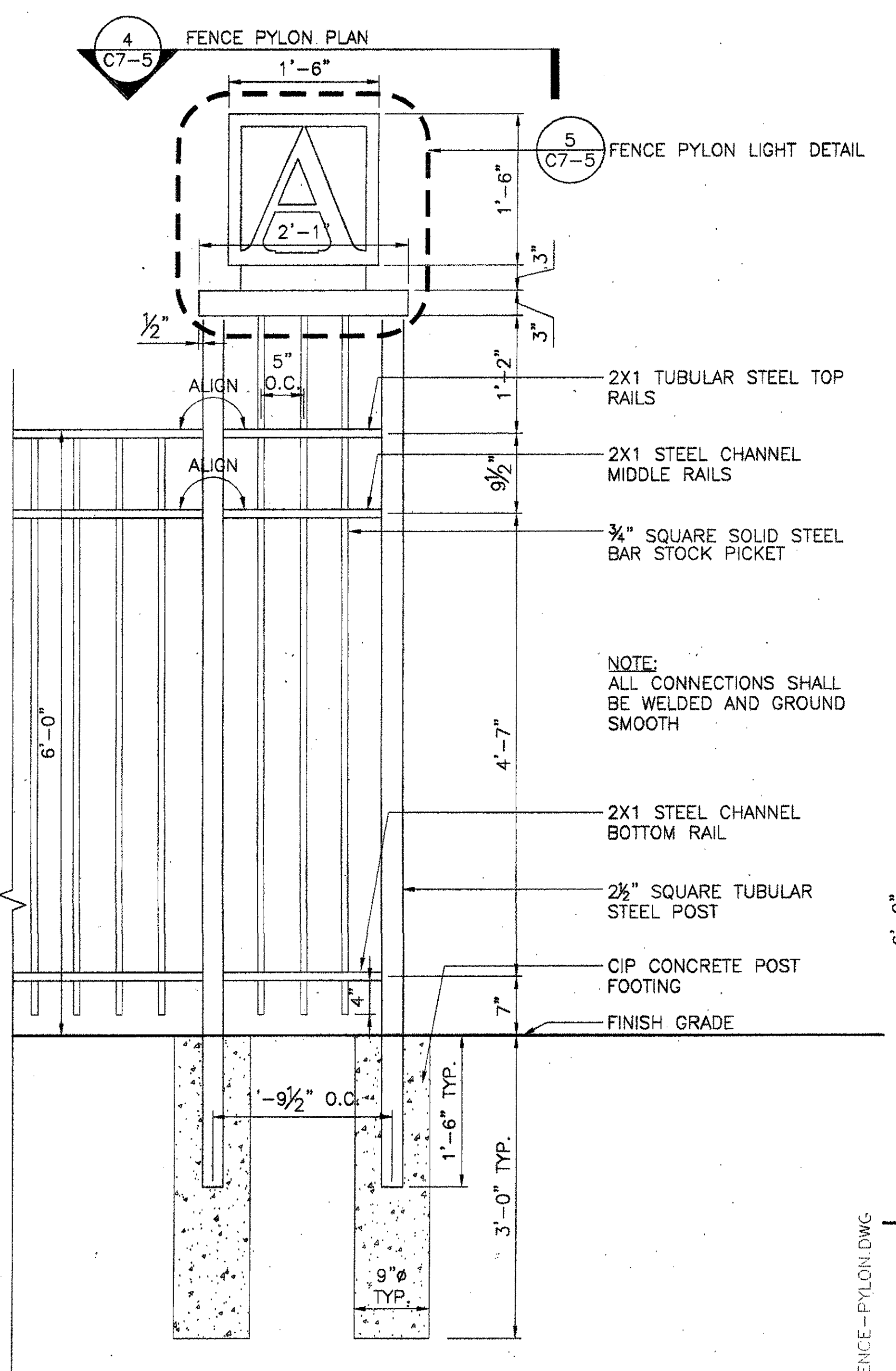
4 FENCE PYLON PLAN  
 SCALE: 1 1/2" = 1'-0"



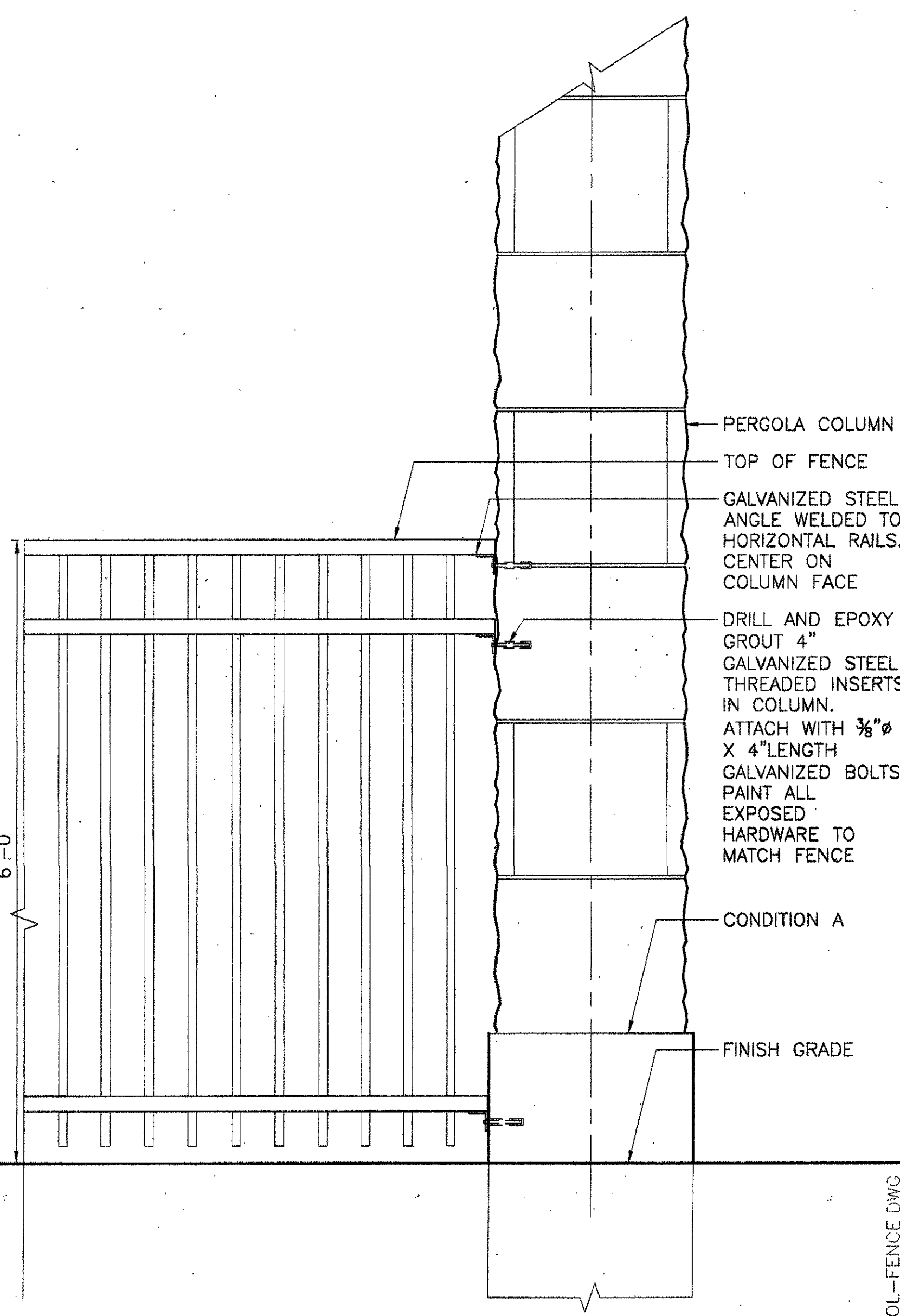
2 FENCE ELEVATION AND SECTION, TYPICAL  
 SCALE: 1" = 1'-0"



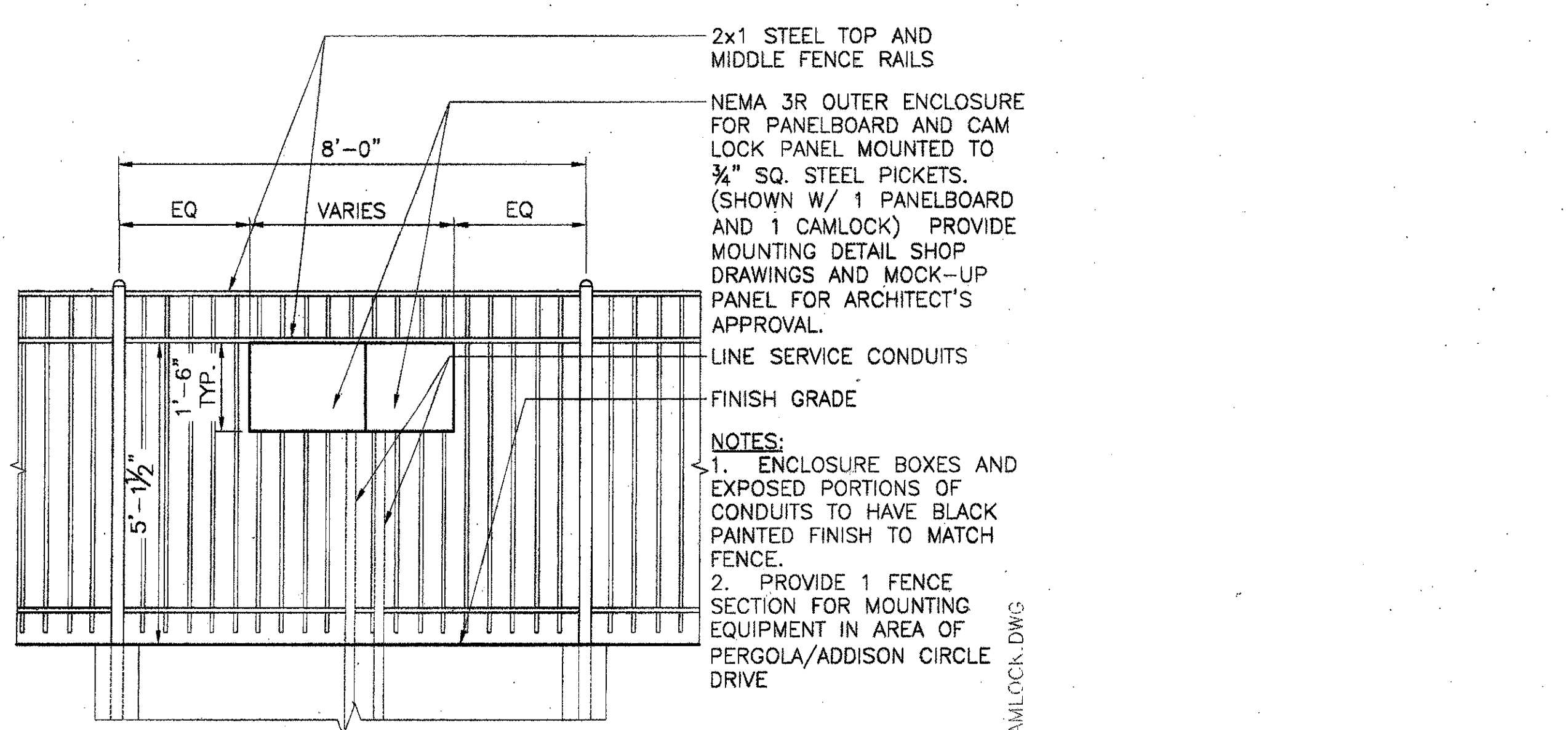
7 SLIDING GATE DETAIL  
 SCALE: 1/4" = 1'-0"



3 FENCE PYLON ELEVATION  
 SCALE: 1" = 1'-0"

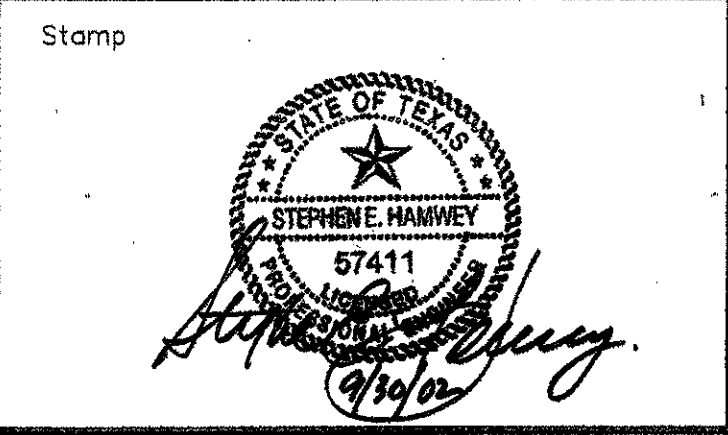


1 FENCE/PERGOLA COLUMN ELEVATION  
 SCALE: 1" = 1'-0"



6 TYPICAL ELECTRICAL PANELBOARD/CAMLOCK/LIGHTING CONTROL MOUNTING DETAIL  
 SCALE: 1/2" = 1'-0"

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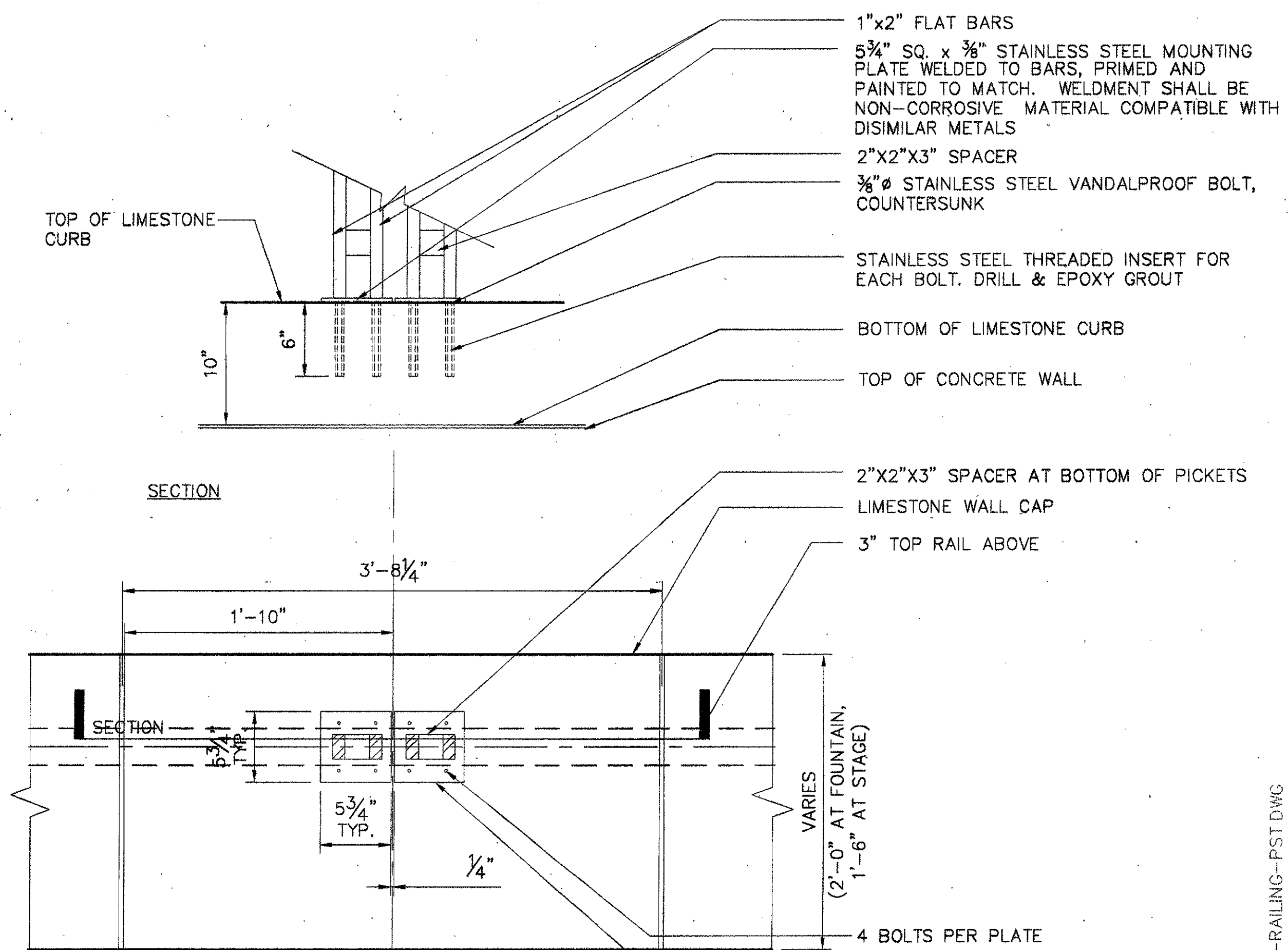
Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
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Drawing Title:  
**SITE DETAILS - FENCES**

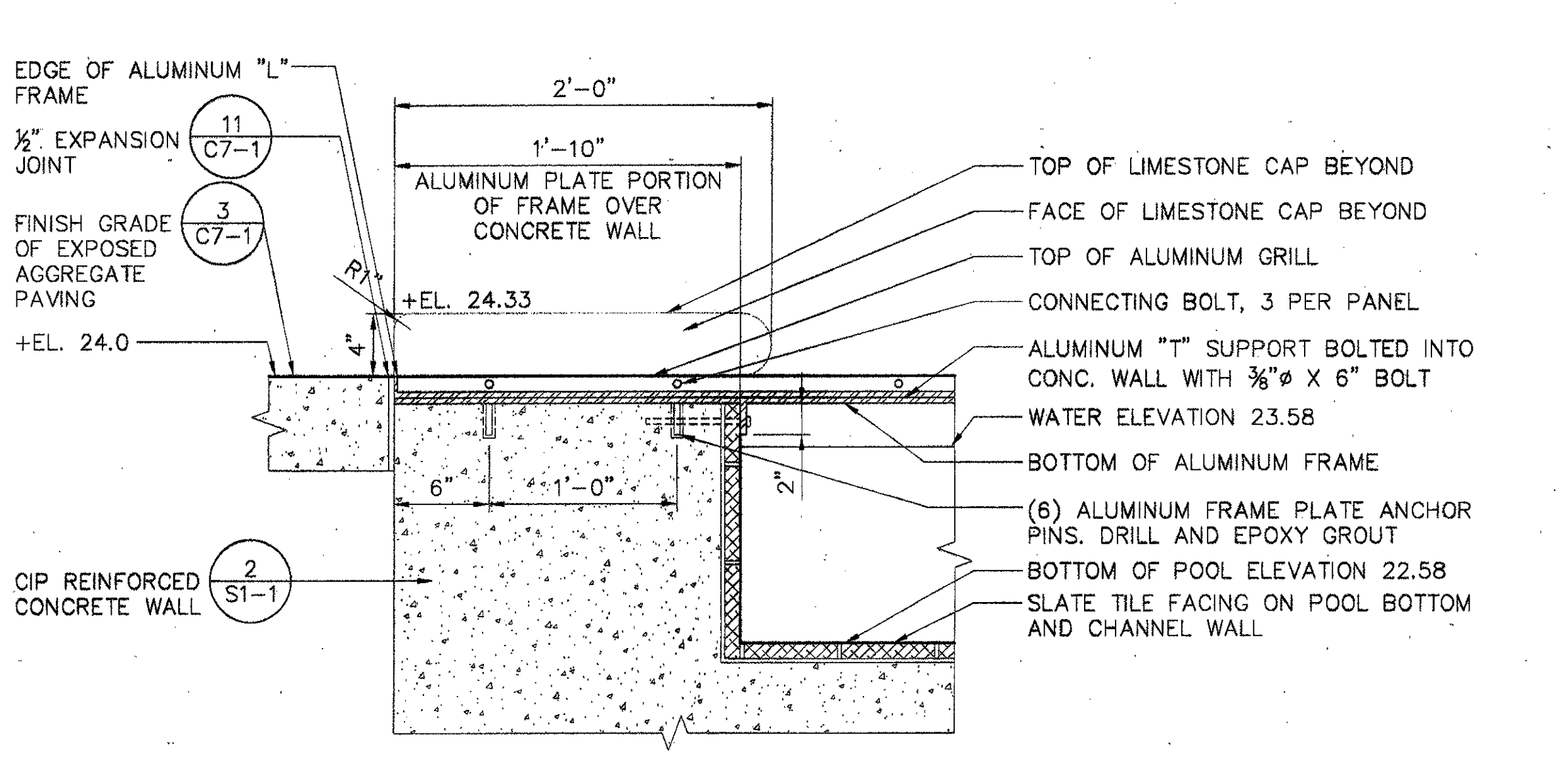
Project No. 14516.00 Scale: AS NOTED  
 Drawn By: CB  
 Checked By: DC  
 Approved By: SEH  
 Date: September 30, 2002

Drawing No. **C7-5**

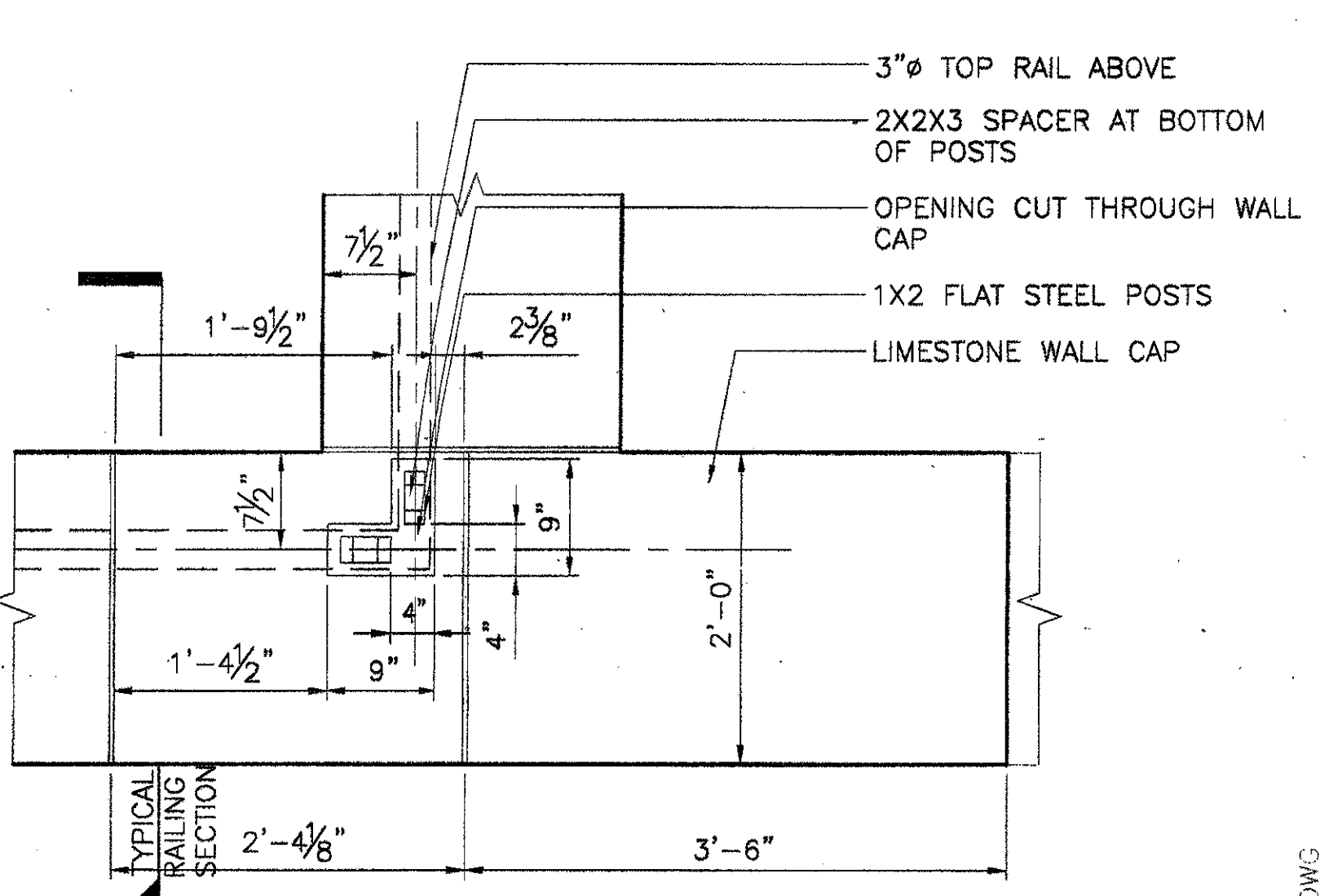




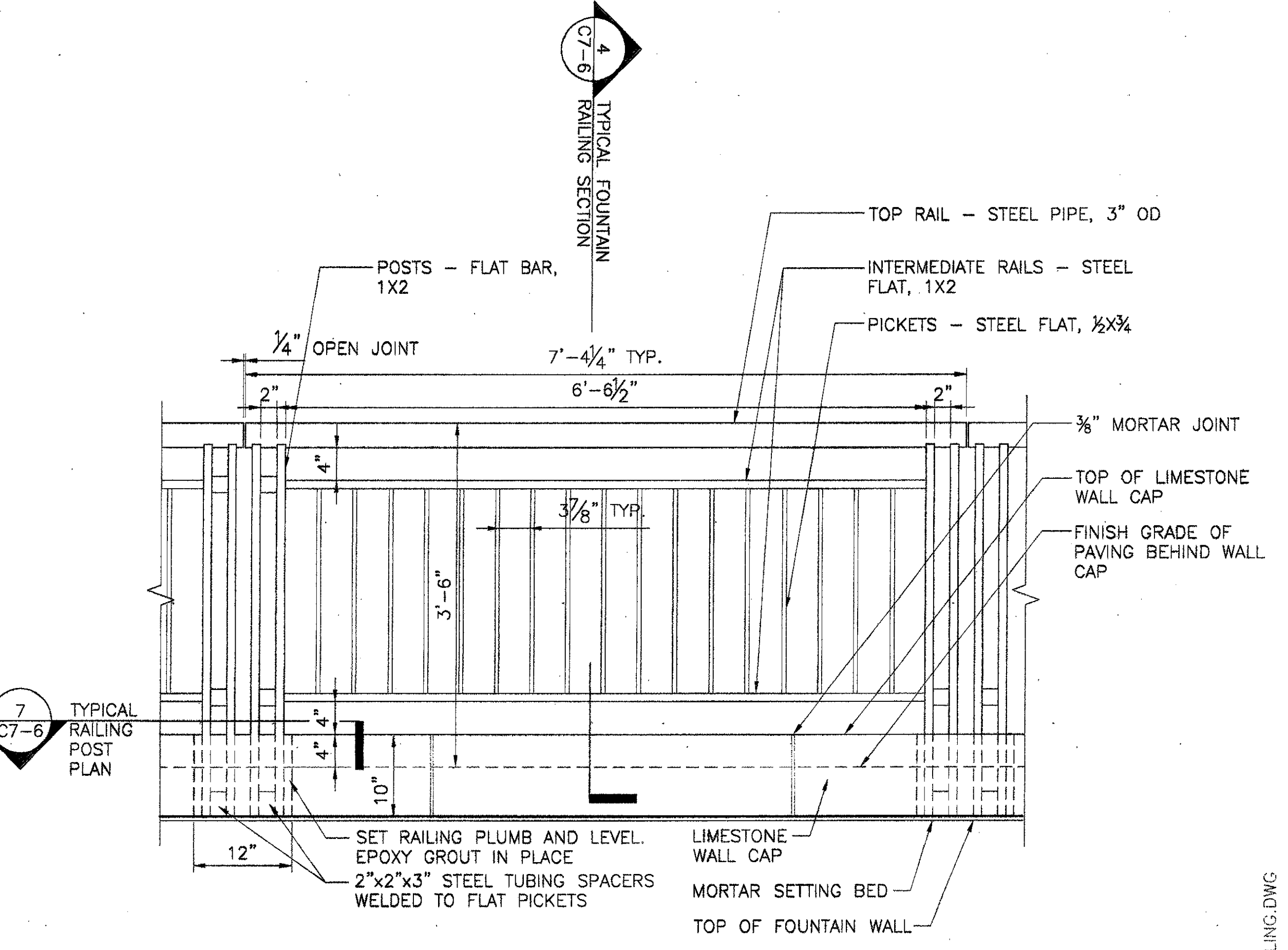
6 REMOVABLE RAILING POST  
SCALE: 1 1/2" = 1'-0"



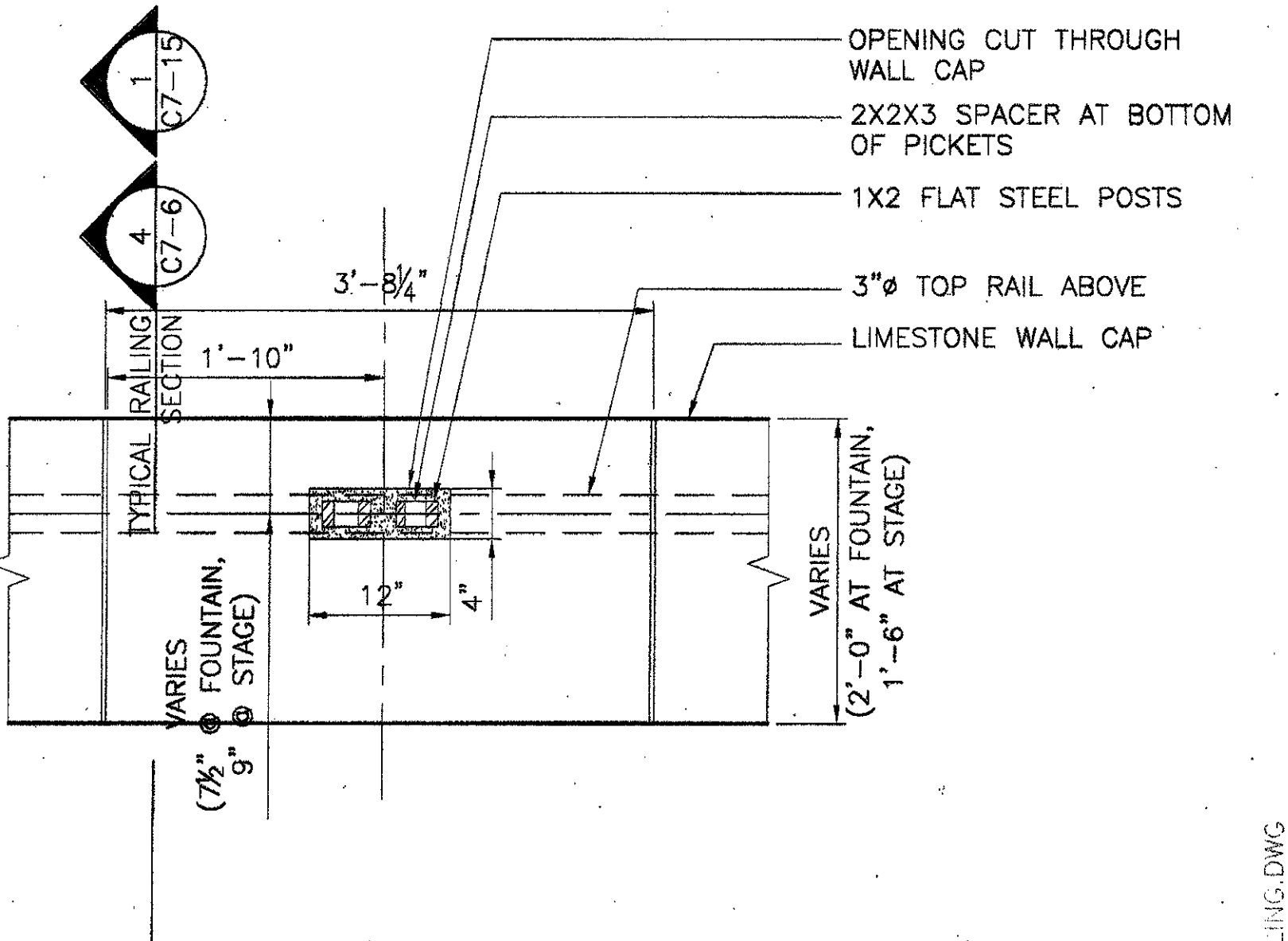
3 METAL GRILL BRIDGE SECTION  
SCALE: 1 1/2" = 1'-0"



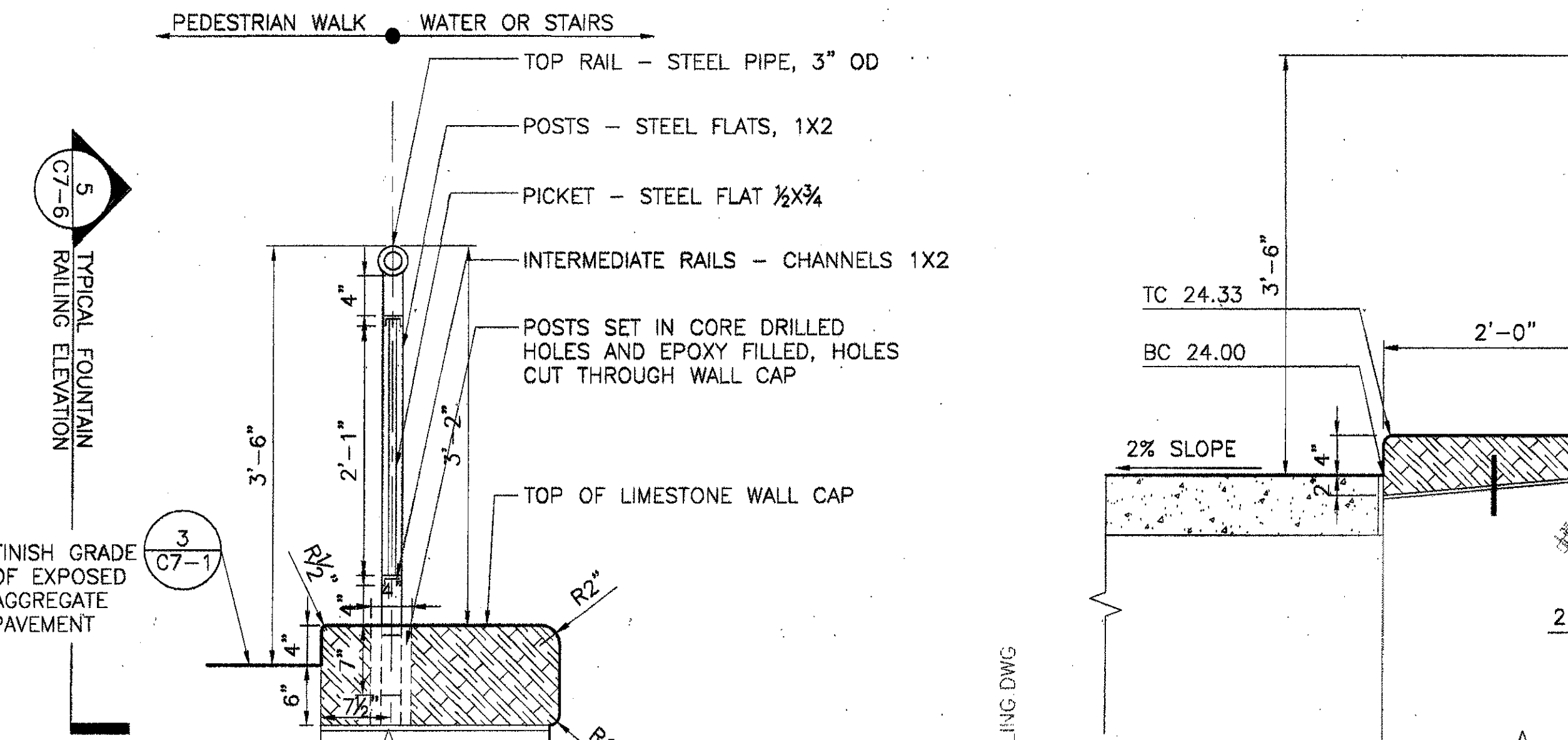
4 RAILING POST PLAN - CORNER  
SCALE: 1" = 1'-0"



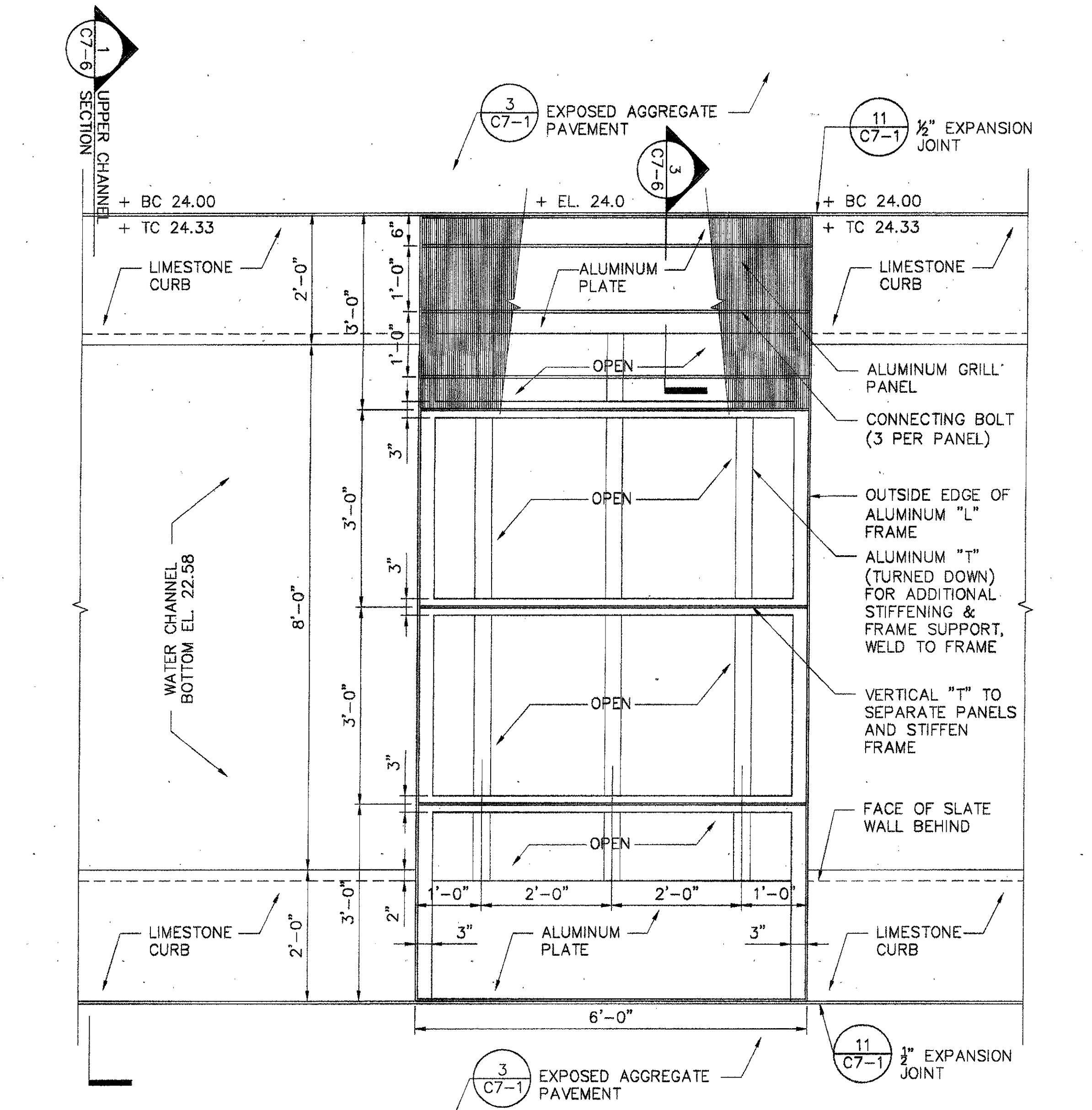
5 TYPICAL RAILING ELEVATION AT FOUNTAIN  
SCALE: 1" = 1'-0"



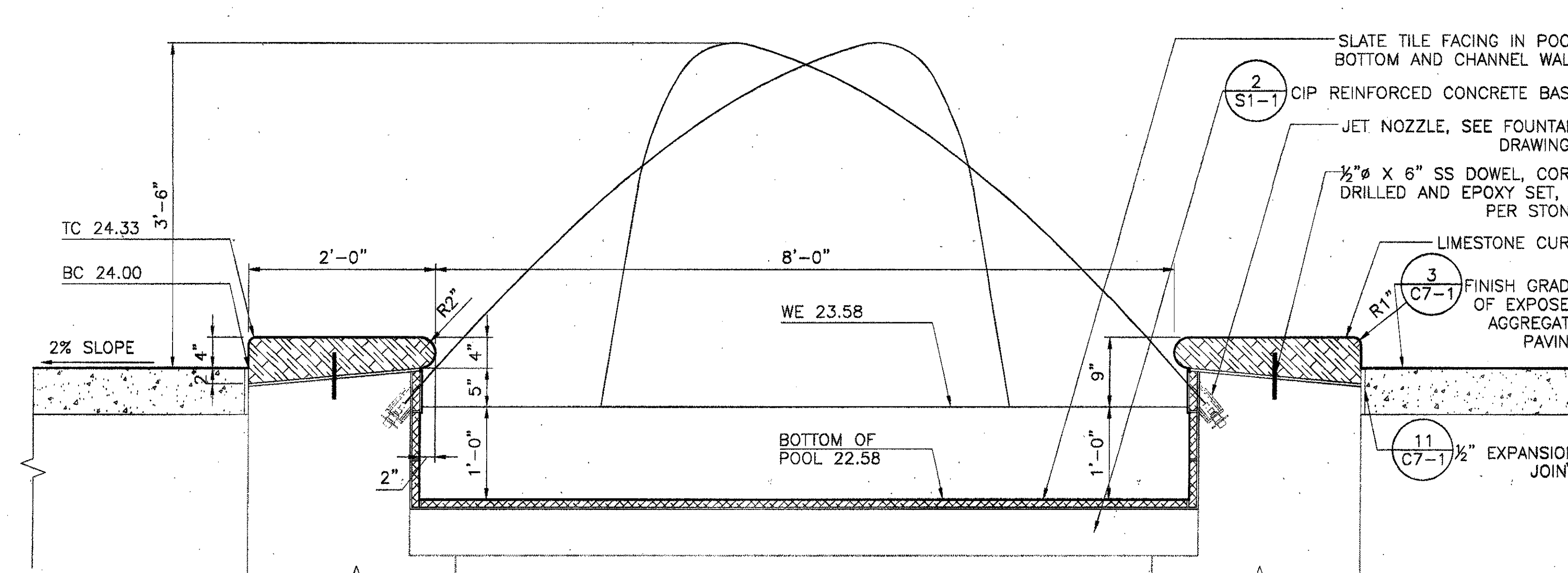
7 TYPICAL RAILING POST PLAN  
SCALE: 1" = 1'-0"



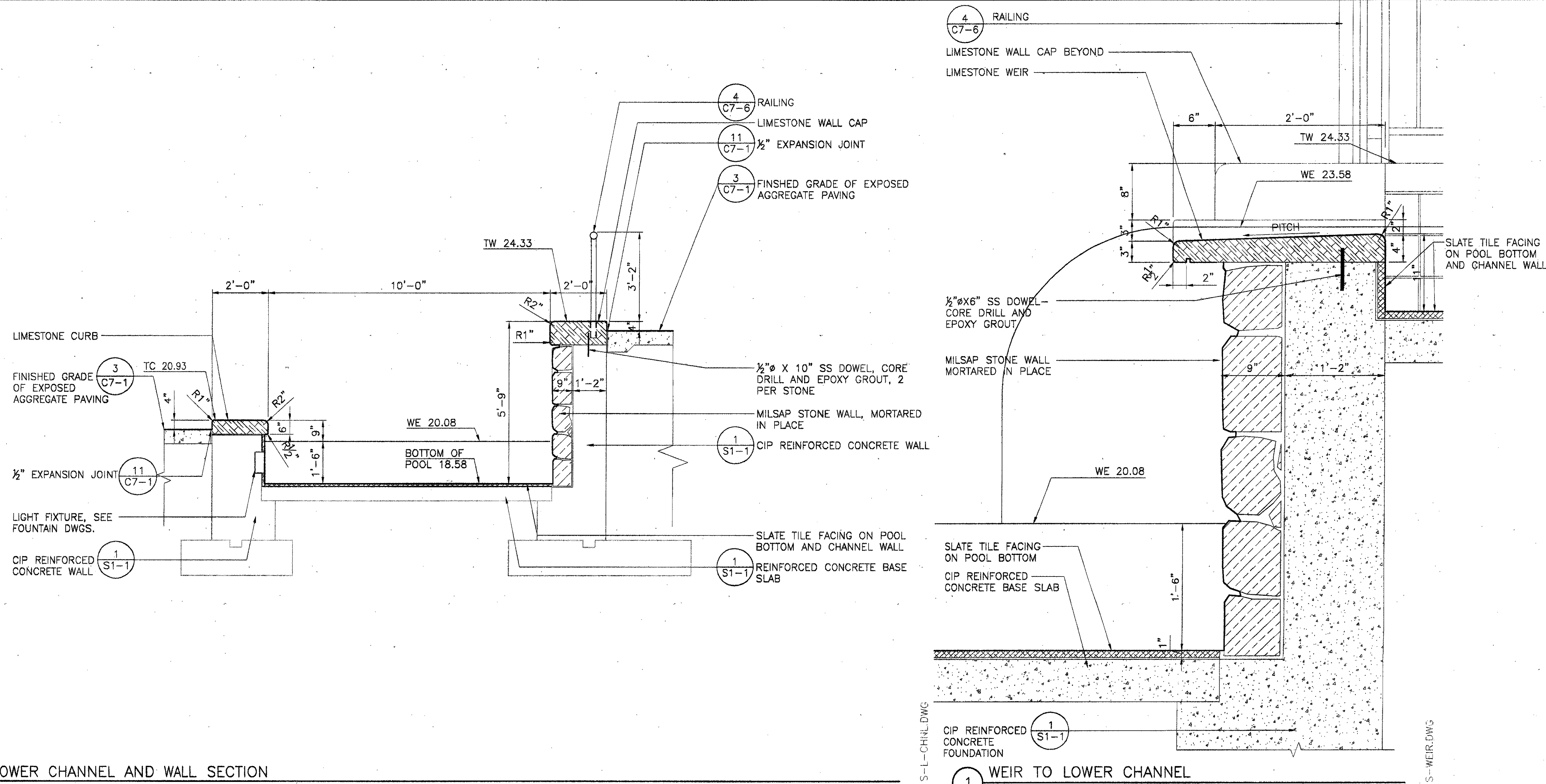
4 TYPICAL FOUNTAIN RAILING SECTION  
SCALE: 1" = 1'-0"



2 TYPICAL METAL GRILL BRIDGE PLAN  
SCALE: 3/4" = 1'-0"

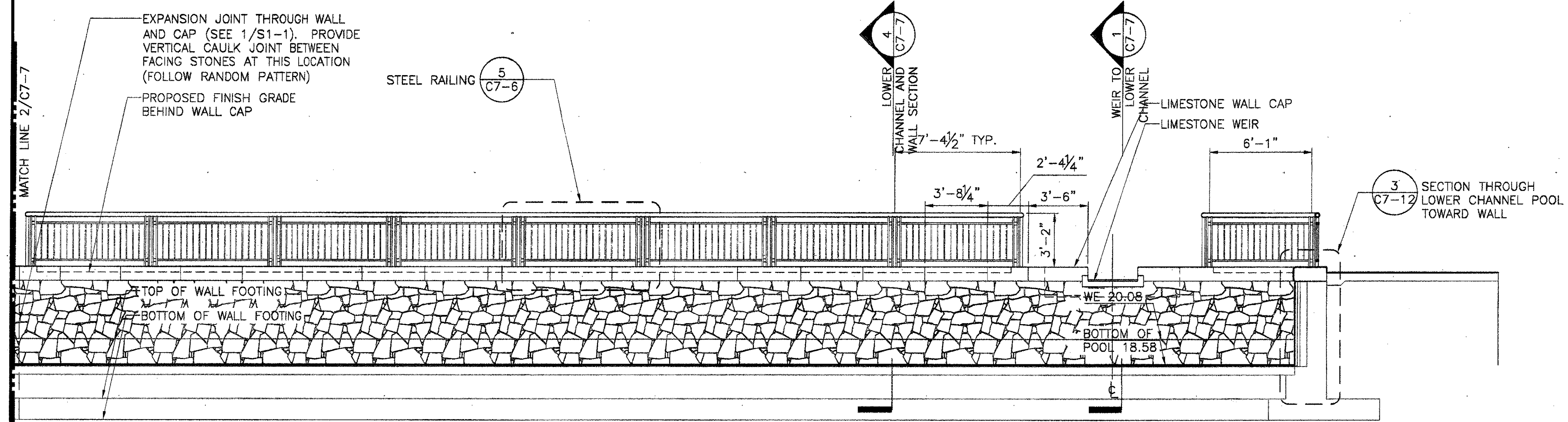


1 UPPER CHANNEL SECTION  
SCALE: 1" = 1'-0"

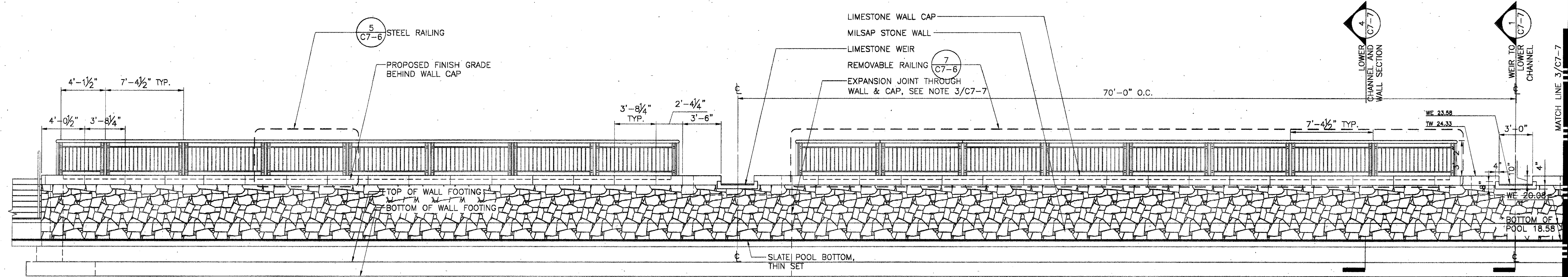


4 LOWER CHANNEL AND WALL SECTION  
 SCALE: 1/2" = 1' - 0"

1 WEIR TO LOWER CHANNEL  
 SCALE: 1 1/2" = 1' - 0"



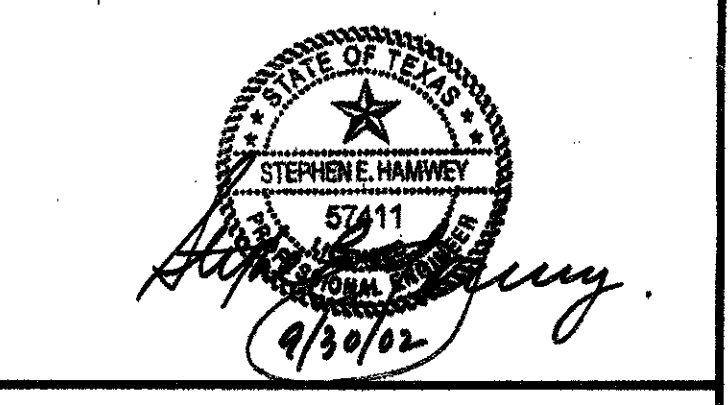
3 FOUNTAIN WALL ELEVATION  
 SCALE: 1/4" = 1' - 0"



2 FOUNTAIN WALL ELEVATION  
 SCALE: 1/4" = 1' - 0"

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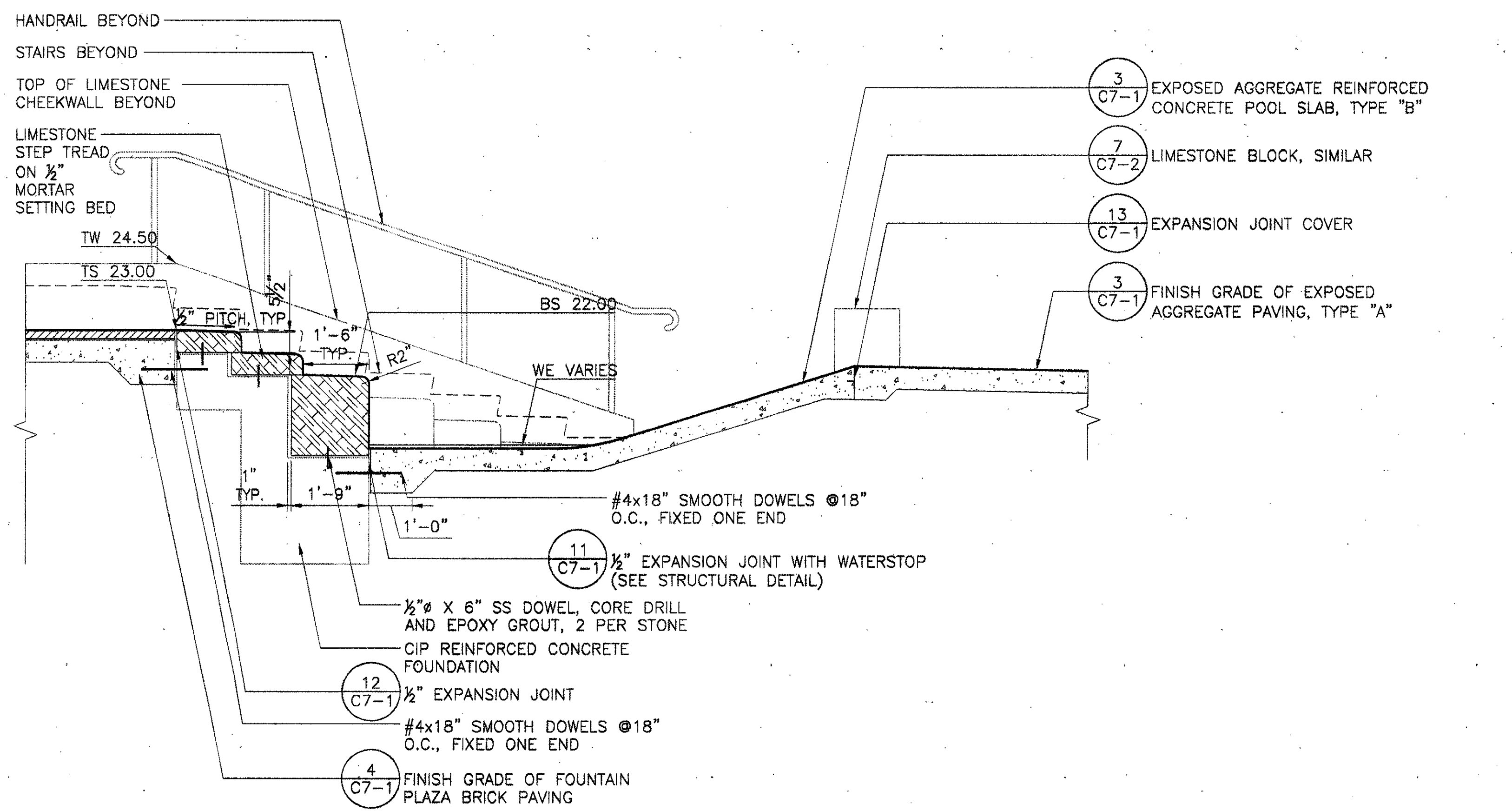


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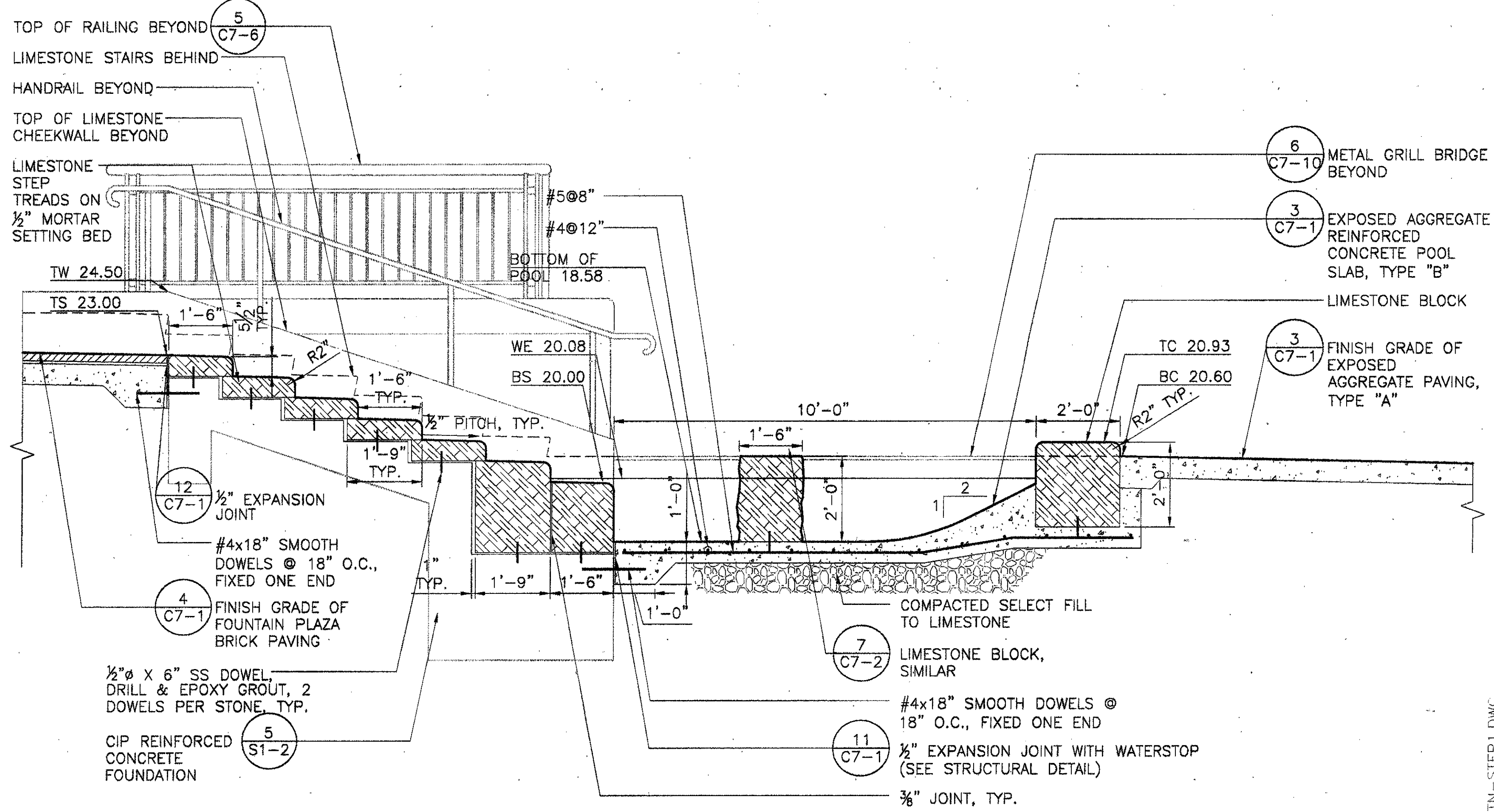
Drawing Title:  
**SITE DETAILS**  
**FOUNTAIN WALL**

Project No. 14516.00 Scale: AS NOTED  
 Drawn By: CB  
 Checked By: DC  
 Approved By: SEH  
 Date: September 30, 2002

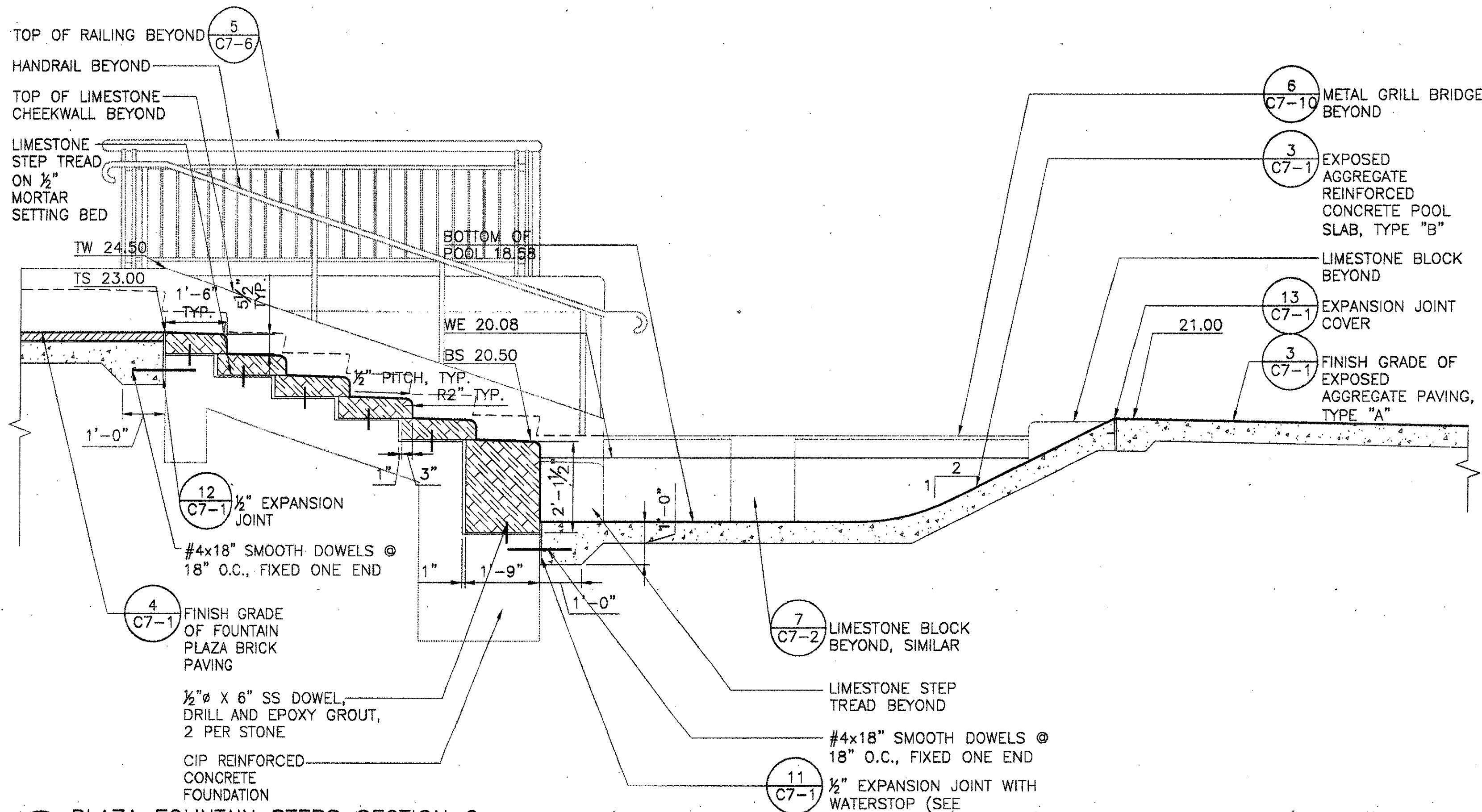
Drawing No. **C7-7**



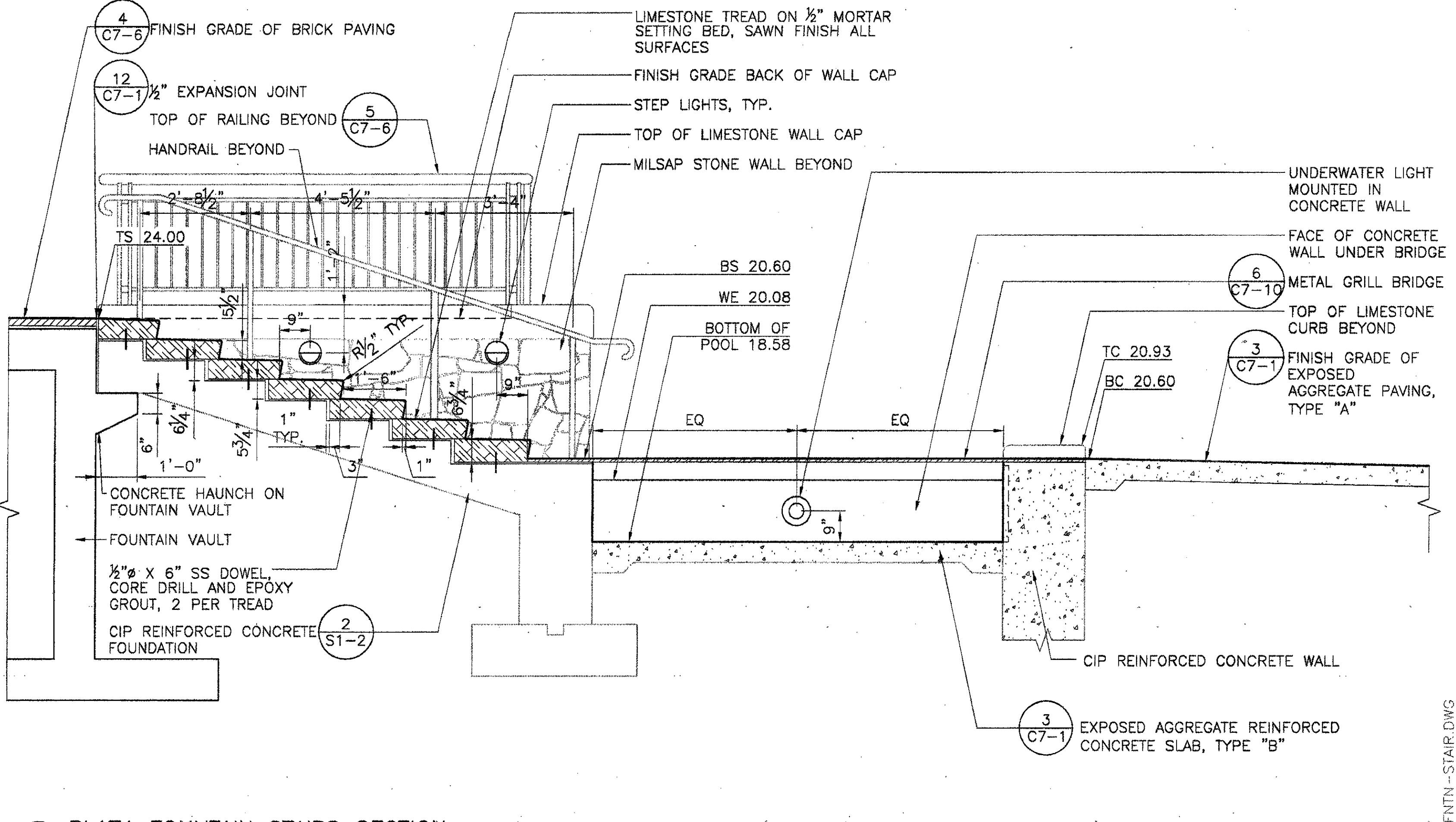
5 PLAZA FOUNTAIN STEPS SECTION 3  
SCALE: 1/2" = 1' - 0"



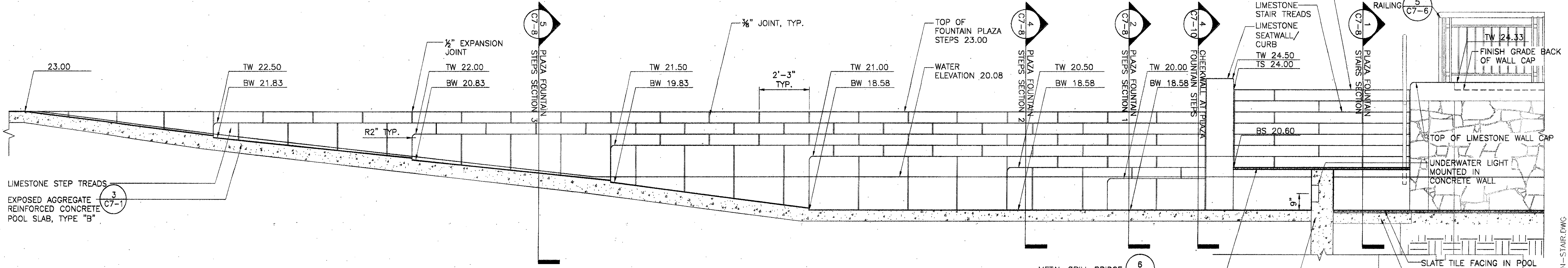
2 PLAZA FOUNTAIN STEPS SECTION 1  
SCALE: 1/2" = 1' - 0"



4 PLAZA FOUNTAIN STEPS SECTION 2  
SCALE: 1/2" = 1' - 0"



1 PLAZA FOUNTAIN STAIRS SECTION  
SCALE: 1/2" = 1' - 0"



3 FOUNTAIN PLAZA ELEVATION AND BRIDGE SECTION  
SCALE: 1/2" = 1' - 0"

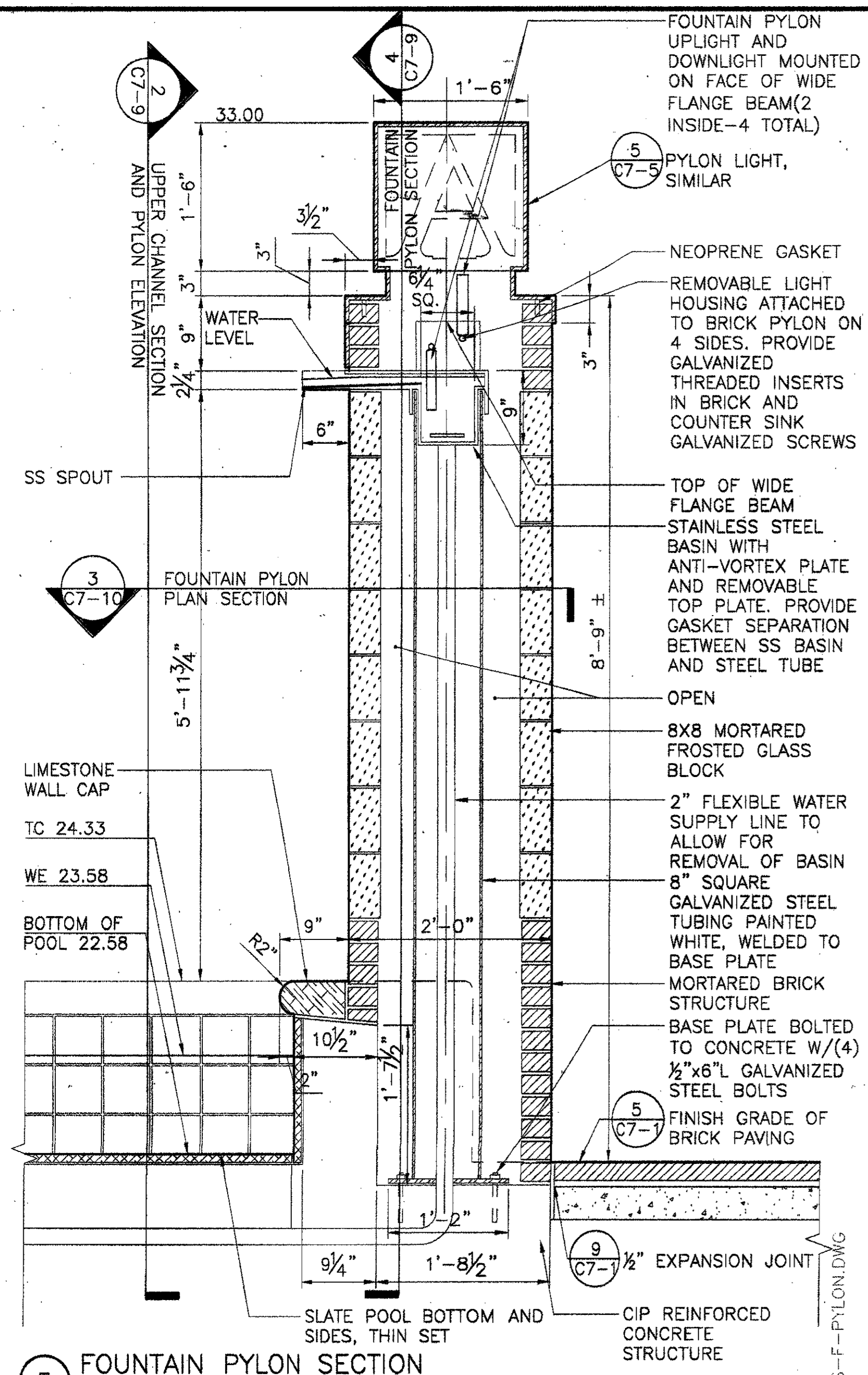
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Stamp	

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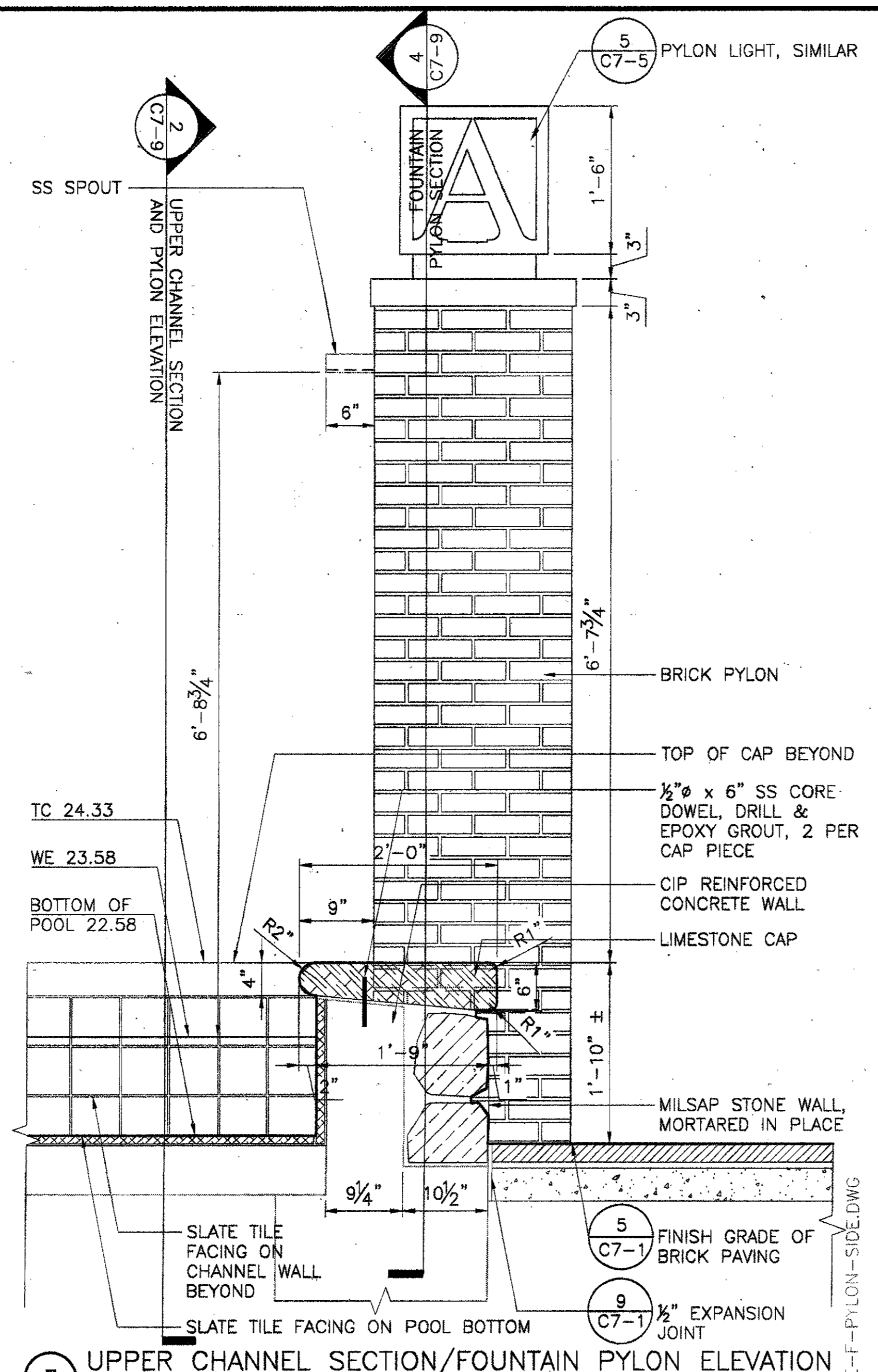
Drawing Title:  
**SITE DETAILS - PLAZA FOUNTAIN STEPS**

Project No. 14516.00 Scale: AS NOTED  
Drawn By: CB  
Checked By: DC  
Approved By: SEH  
Date: September 30, 2002

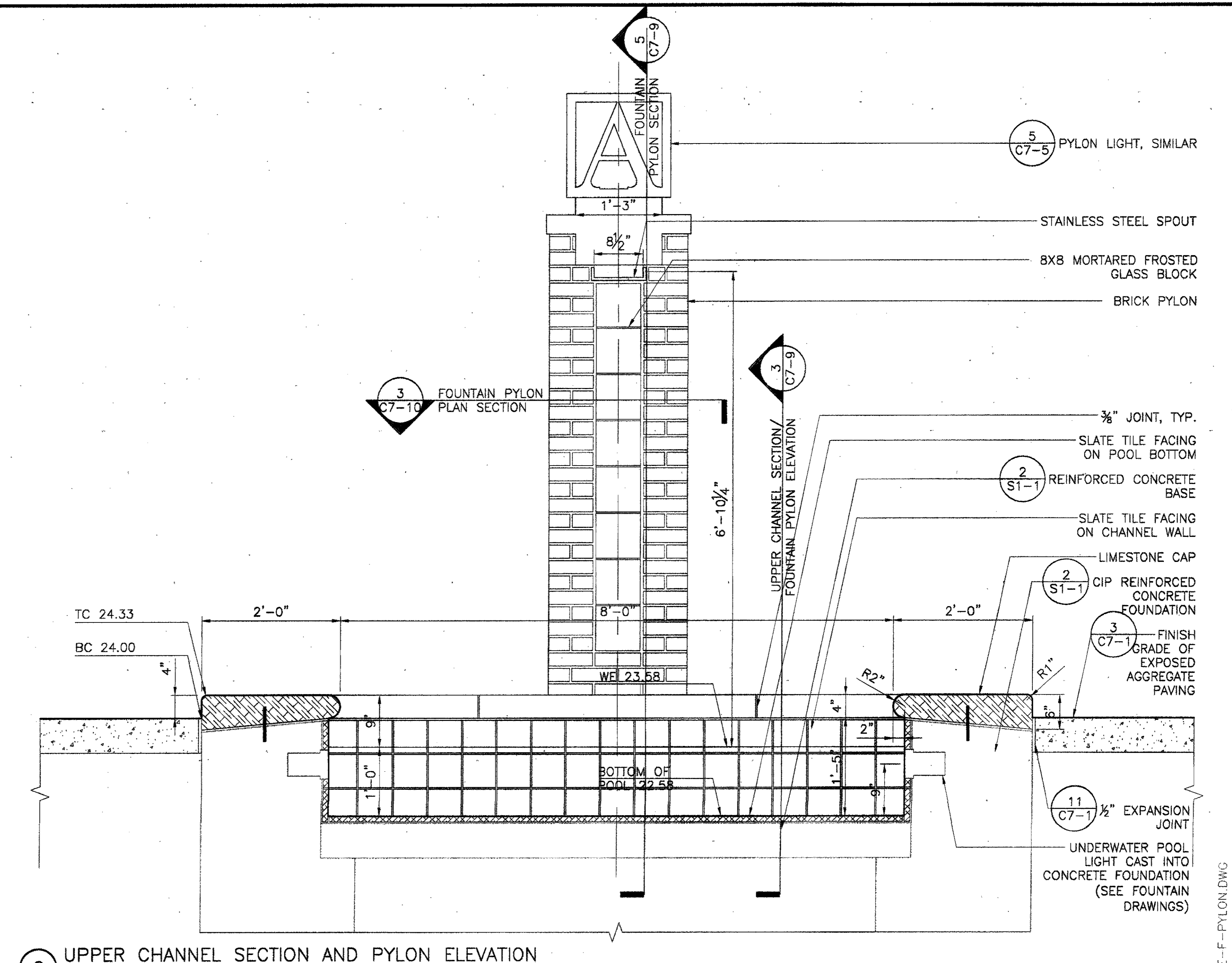
Drawing No. **C7-8**



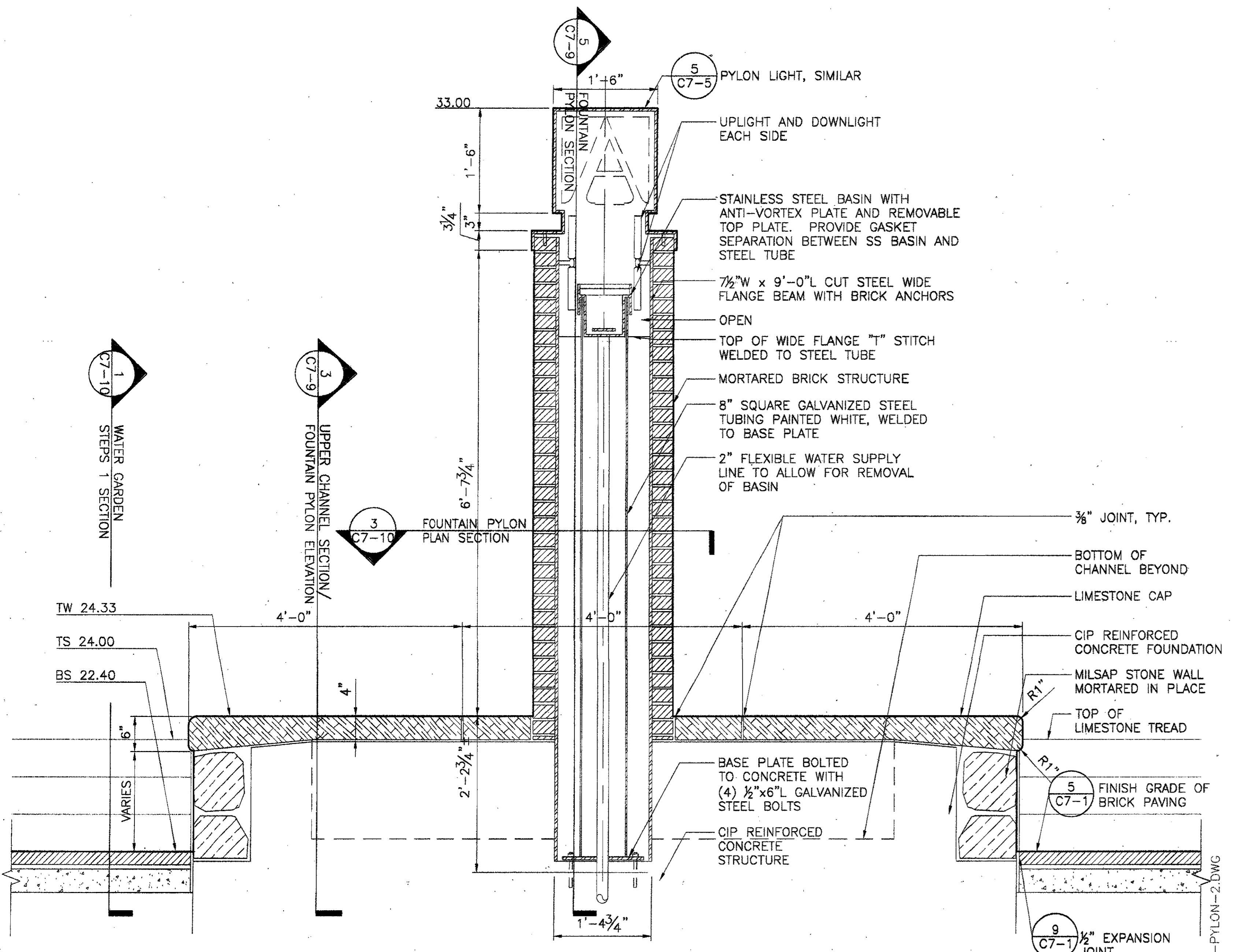
5 FOUNTAIN PYLON SECTION  
 SCALE: 1" = 1'-0"



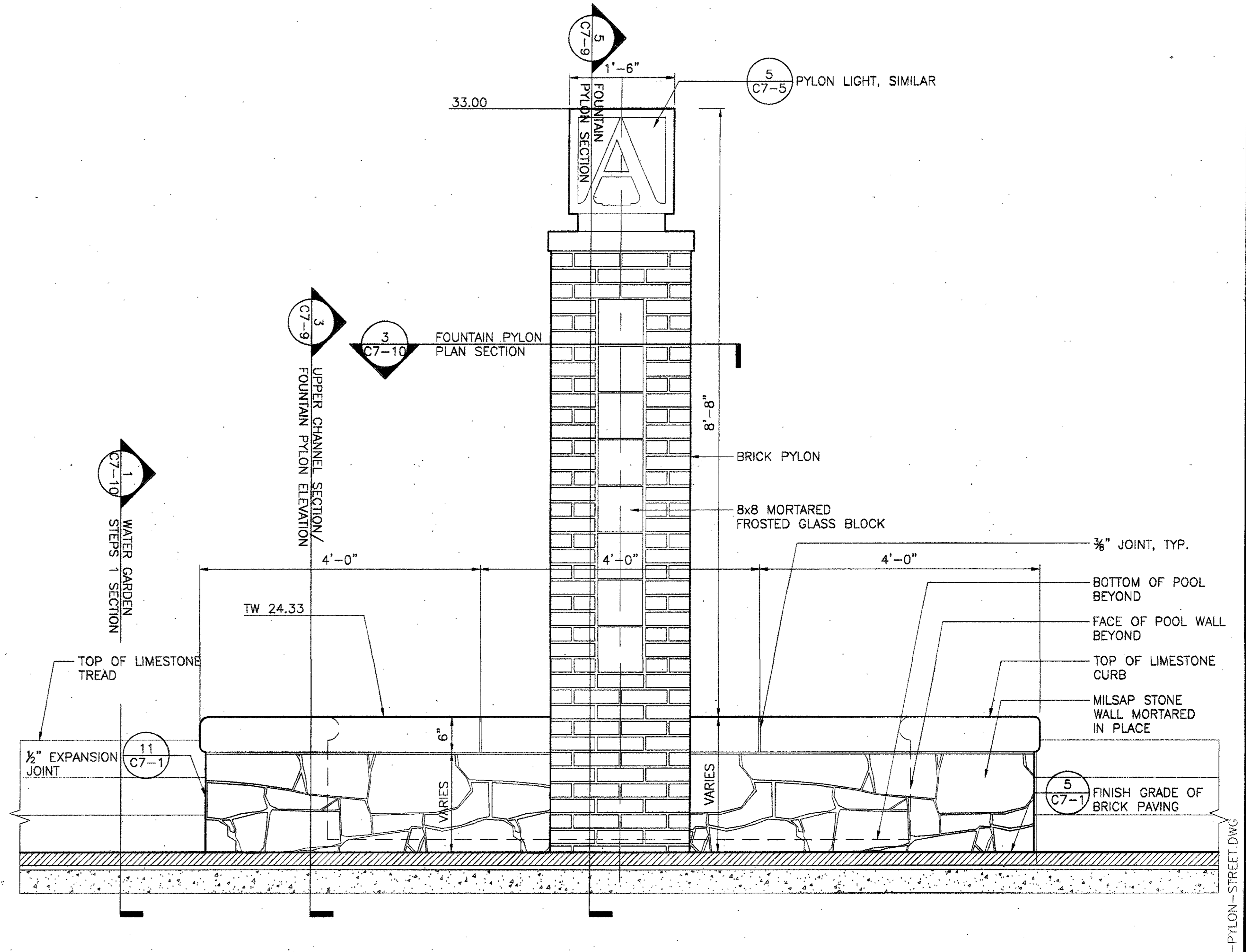
3 UPPER CHANNEL SECTION/FOUNTAIN PYLON ELEVATION  
 SCALE: 1" = 1'-0"



2 UPPER CHANNEL SECTION AND PYLON ELEVATION  
 SCALE: 1" = 1'-0"



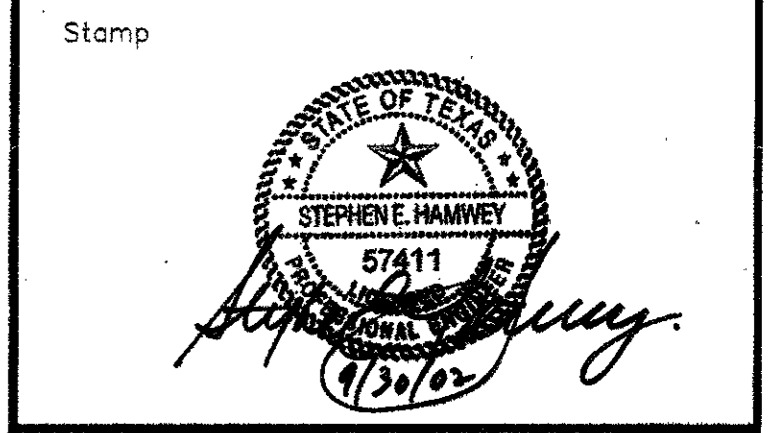
4 FOUNTAIN PYLON SECTION  
 SCALE: 1" = 1'-0"



1 FOUNTAIN PYLON ELEVATION FROM SIDEWALK  
 SCALE: 1" = 1'-0"

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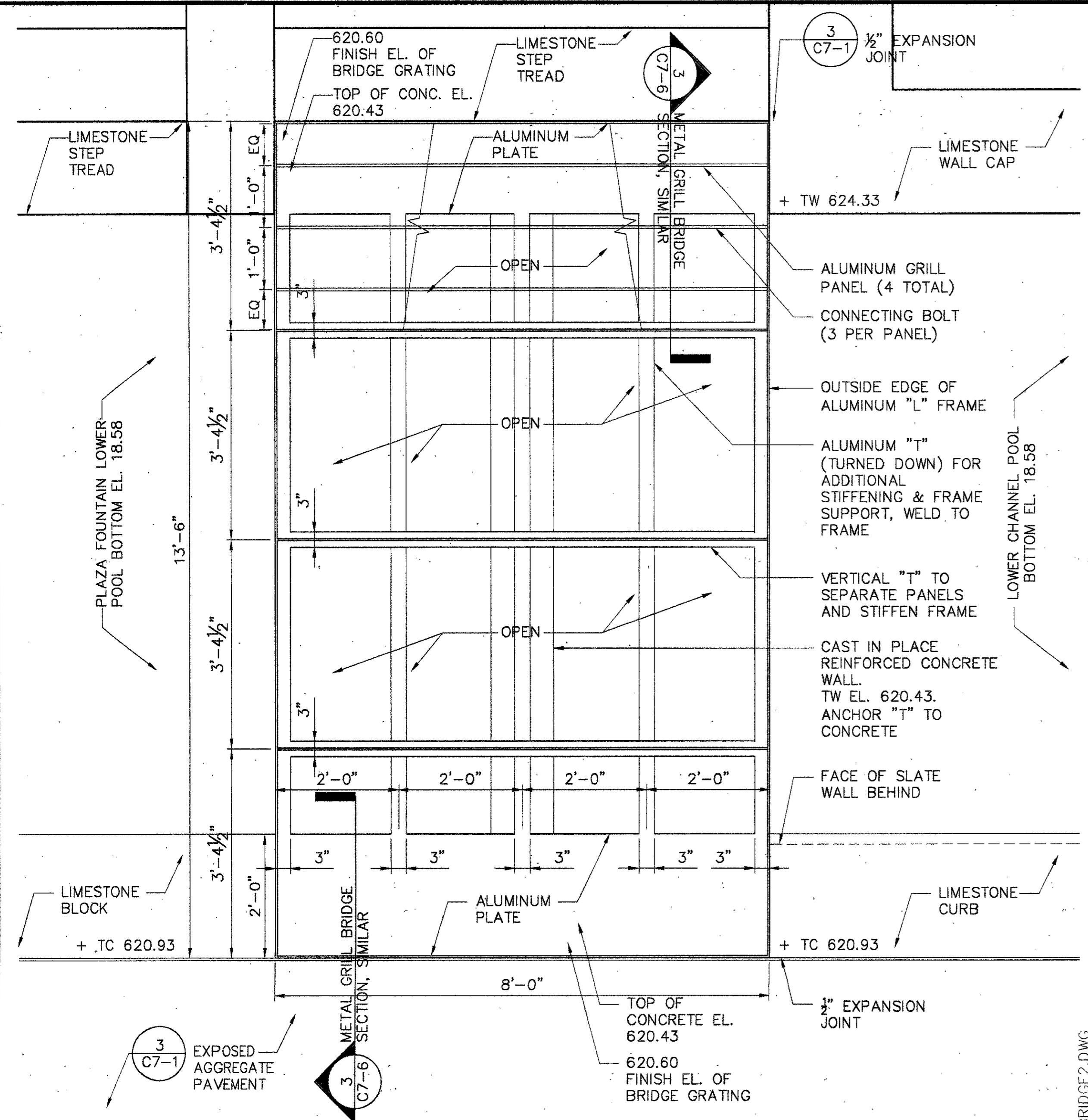


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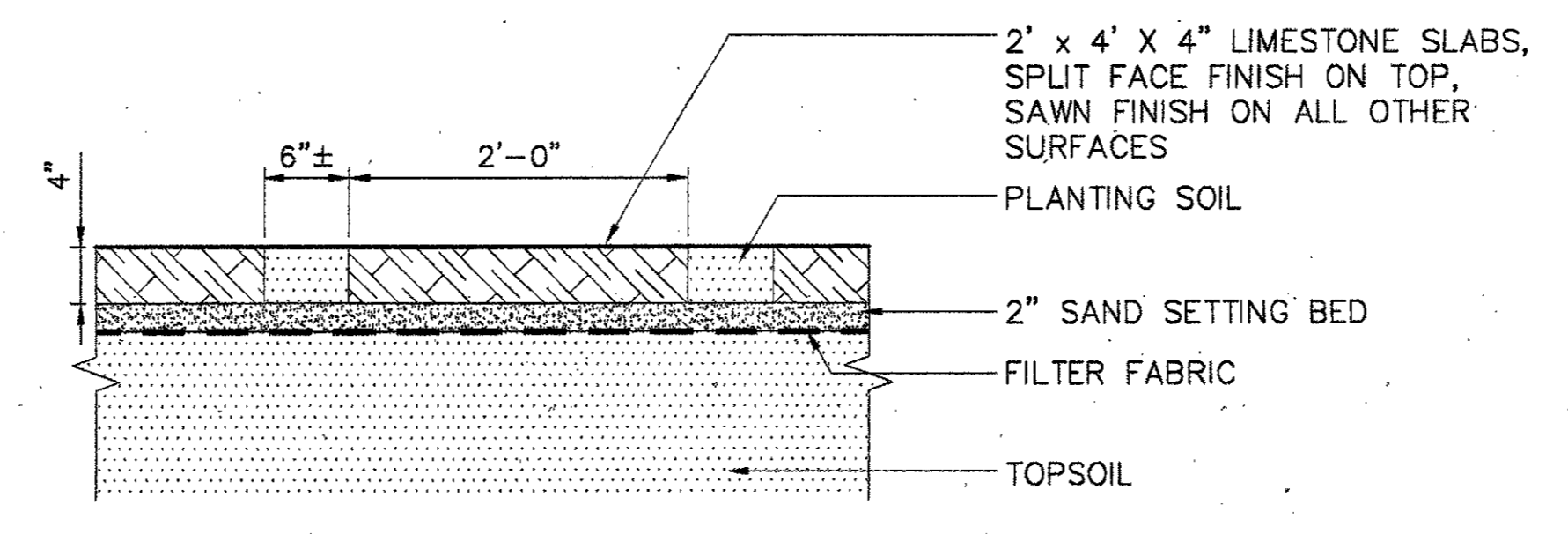
Drawing Title:  
**SITE DETAILS - FOUNTAIN PYLON**

Project No. 14516.00 Scale: AS NOTED  
 Drawn By: CB  
 Checked By: DC  
 Approved By: SEH  
 Date: September 30, 2002

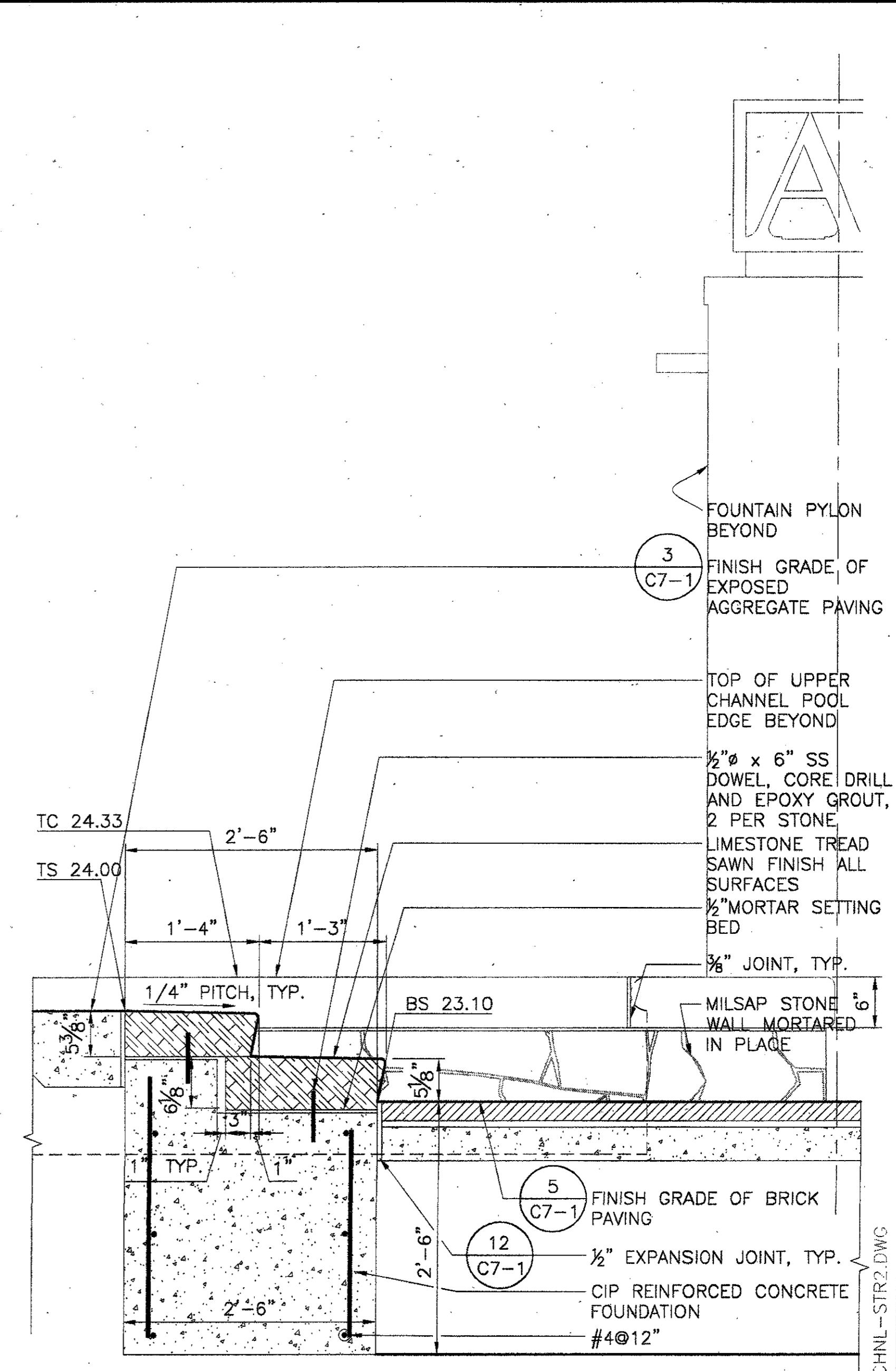
Drawing No. **C7-9**



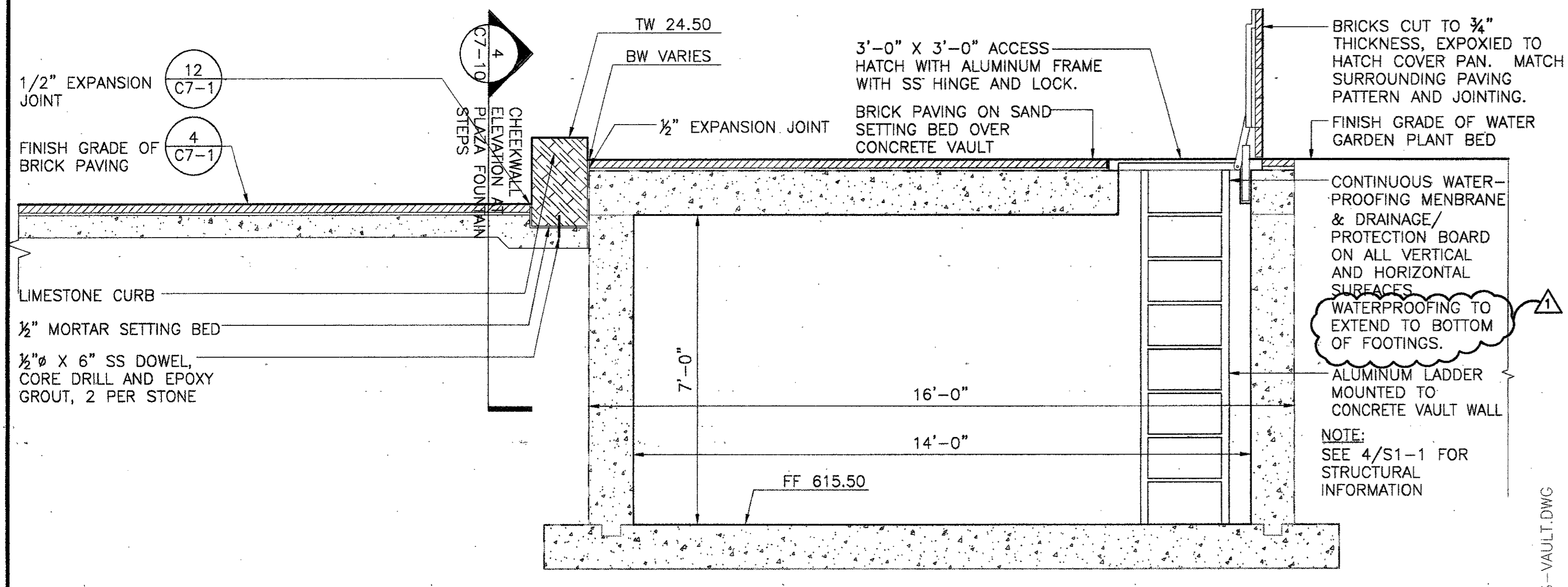
7 METAL GRILL BRIDGE PLAN AT LOWER CHANNEL POOL  
 SCALE: 3/4" = 1'-0"



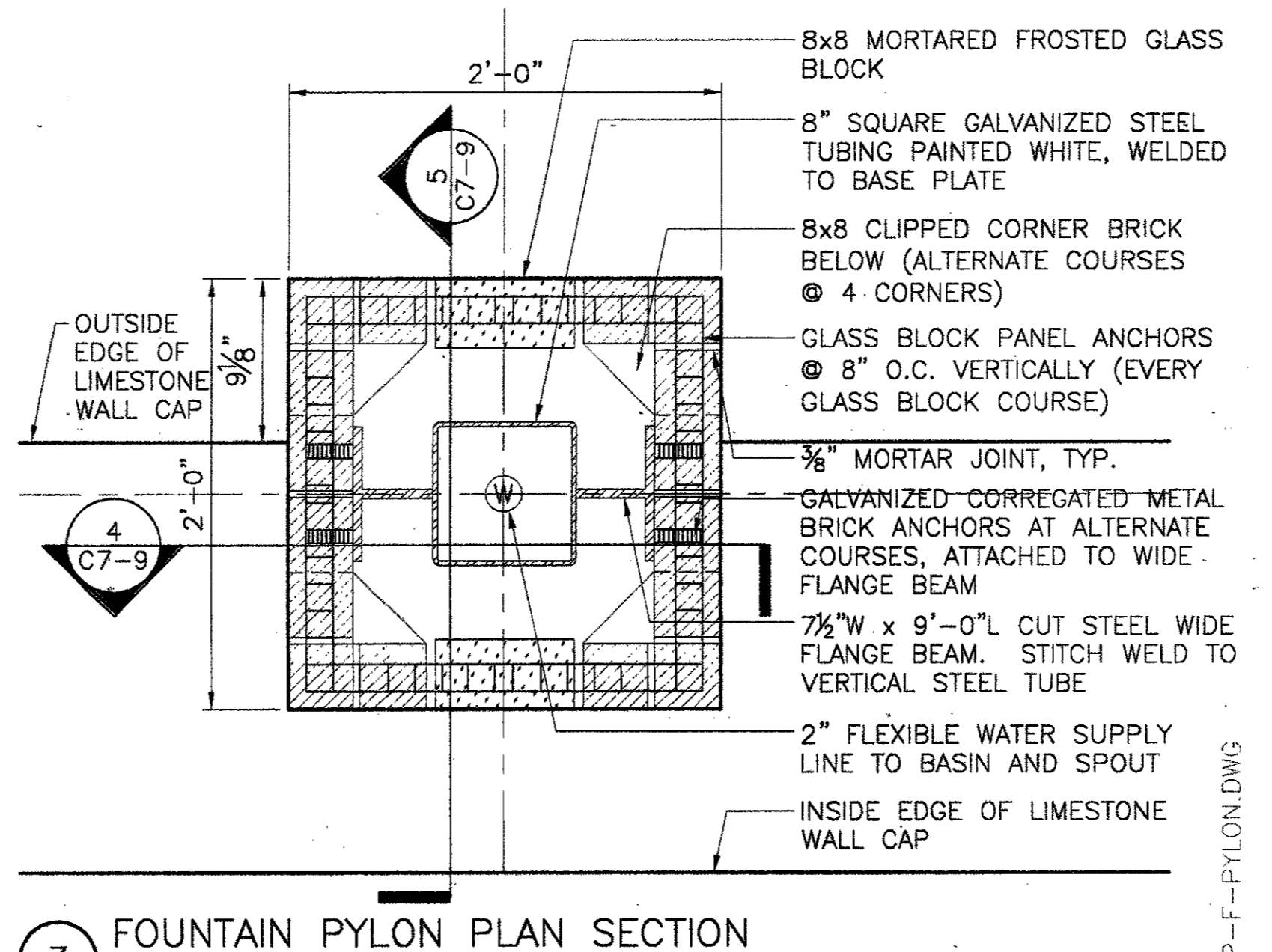
4 LIMESTONE STEPPING STONES IN WATER GARDEN  
 SCALE: 1" = 1'-0"



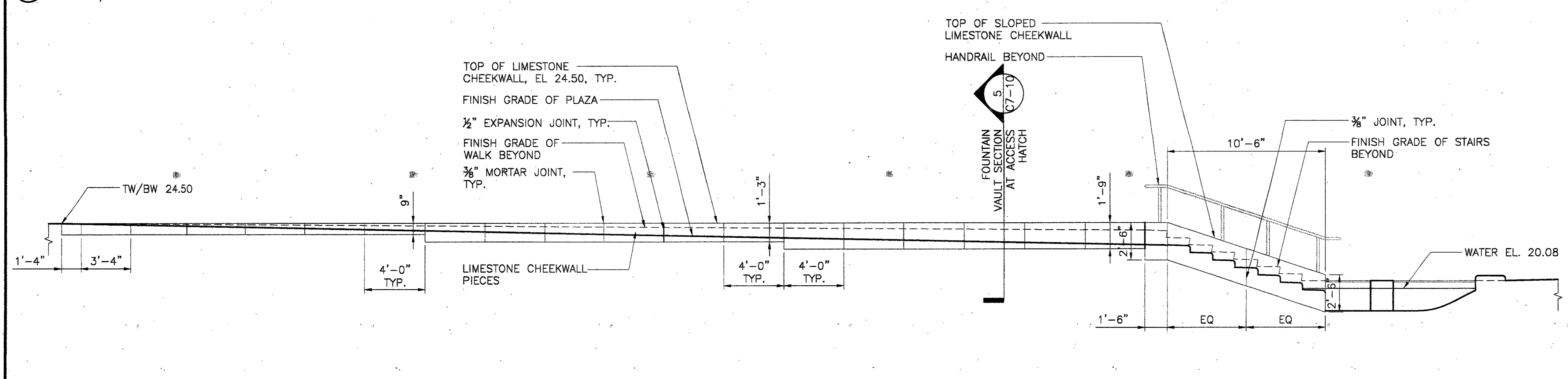
2 WATER GARDEN STEPS 2 SECTION  
 SCALE: 1" = 1'-0"



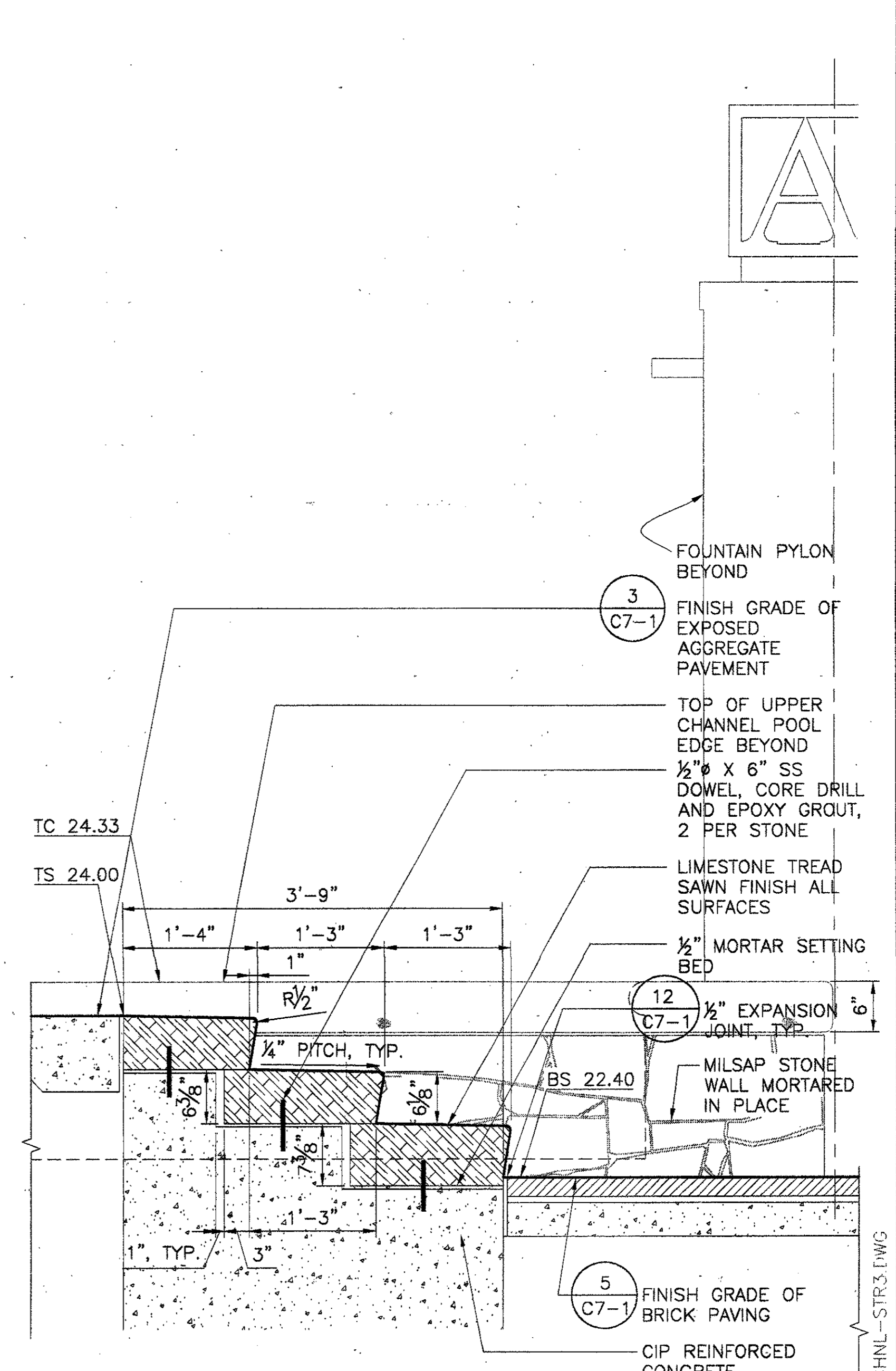
6 FOUNTAIN VAULT SECTION AT ACCESS HATCH  
 SCALE: 1/2" = 1'-0"



3 FOUNTAIN PYLON PLAN SECTION  
 SCALE: 1 1/2" = 1'-0"

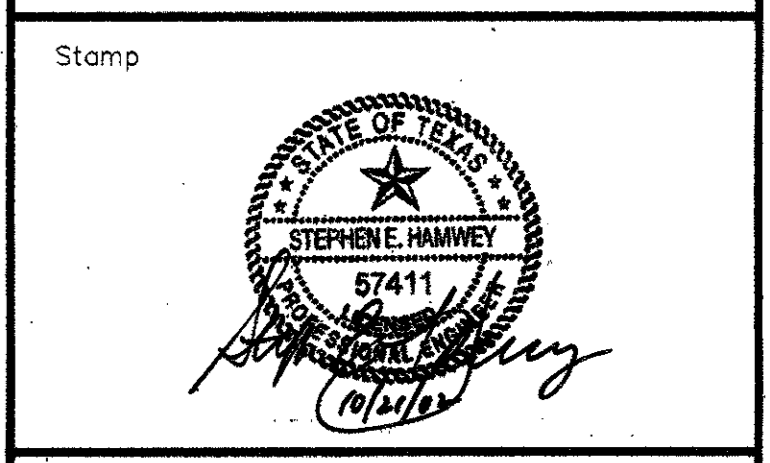


5 CHEEKWALL ELEVATION @ PLAZA FOUNTAIN STEPS  
 SCALE: 1/4" = 1'-0"



1 WATER GARDEN STEPS 1 SECTION  
 SCALE: 1" = 1'-0"

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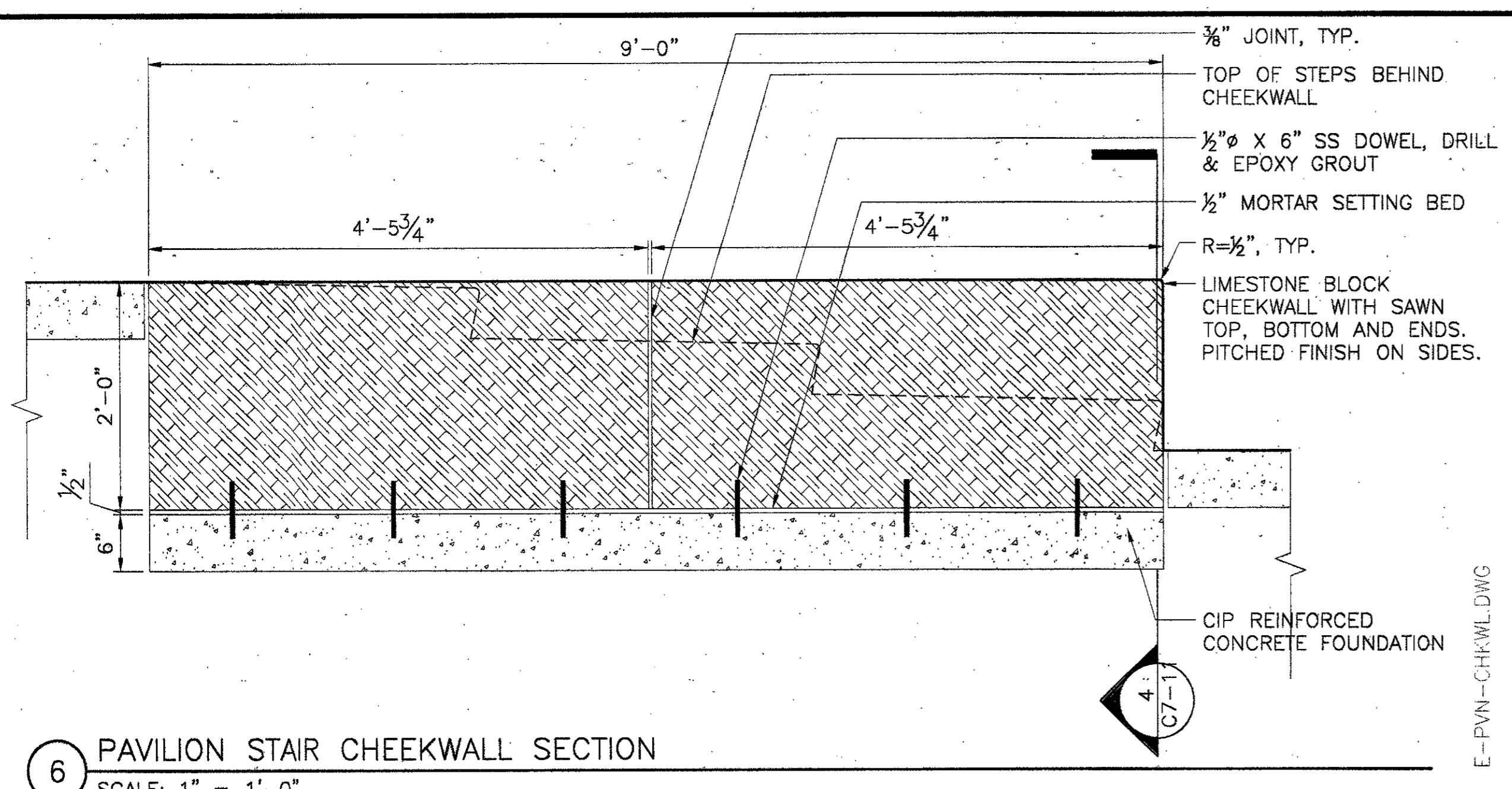


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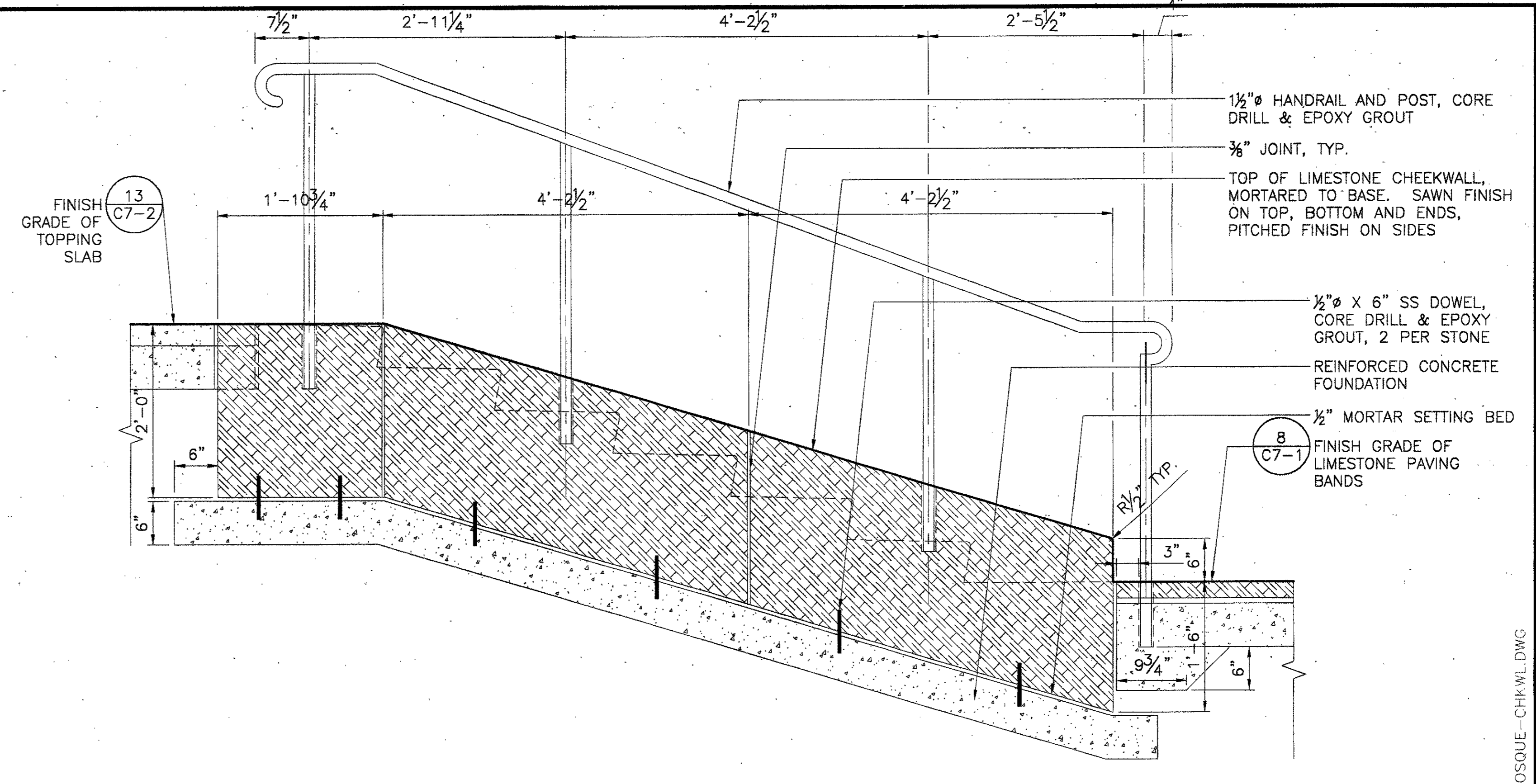
Drawing Title:  
**SITE DETAILS - FOUNTAIN**

Project No. 14516.00, Scale: AS NOTED  
 Drawn By: CB  
 Checked By: DC  
 Approved By: SEH  
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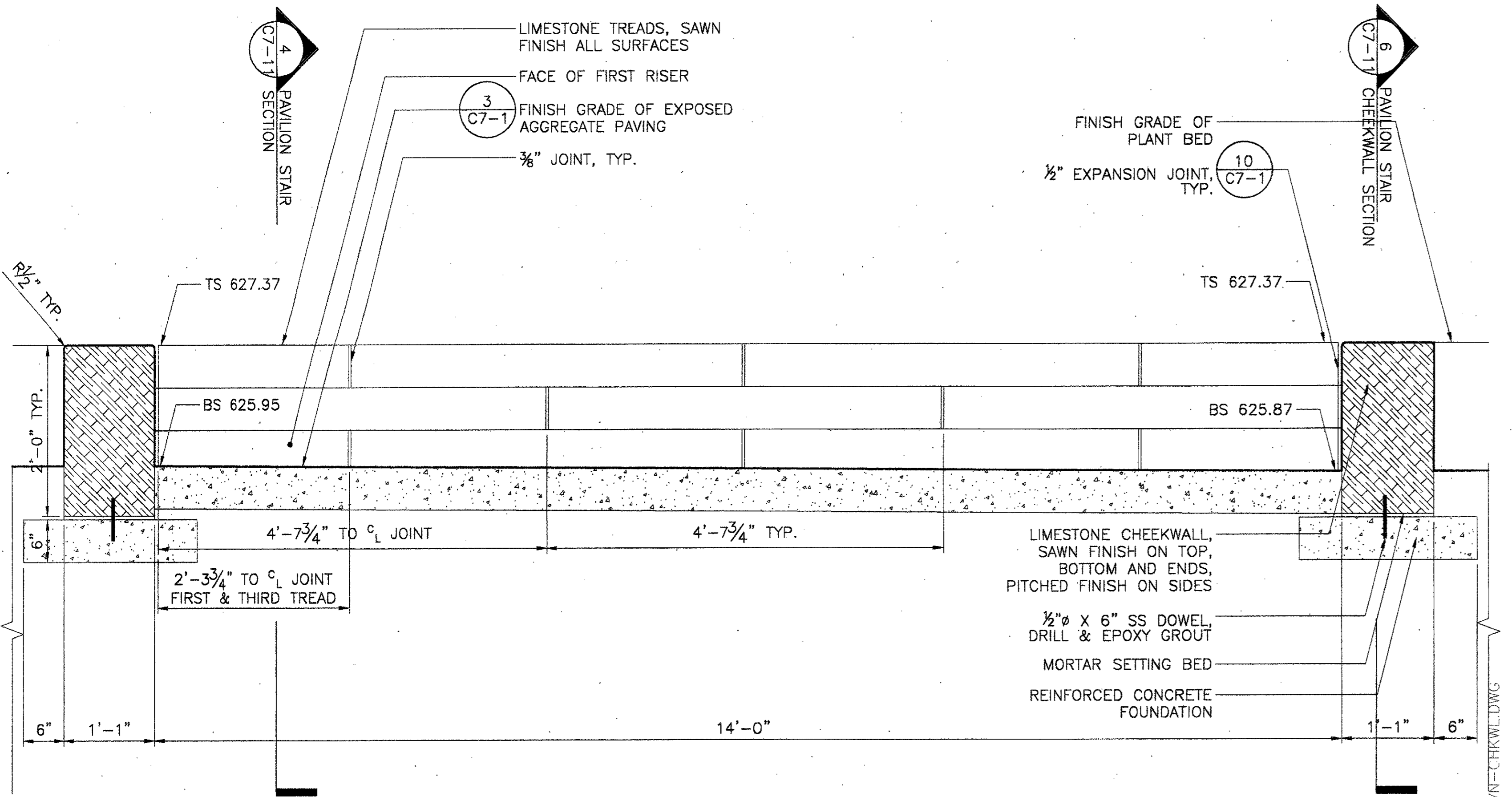
Drawing No. **C7-10**



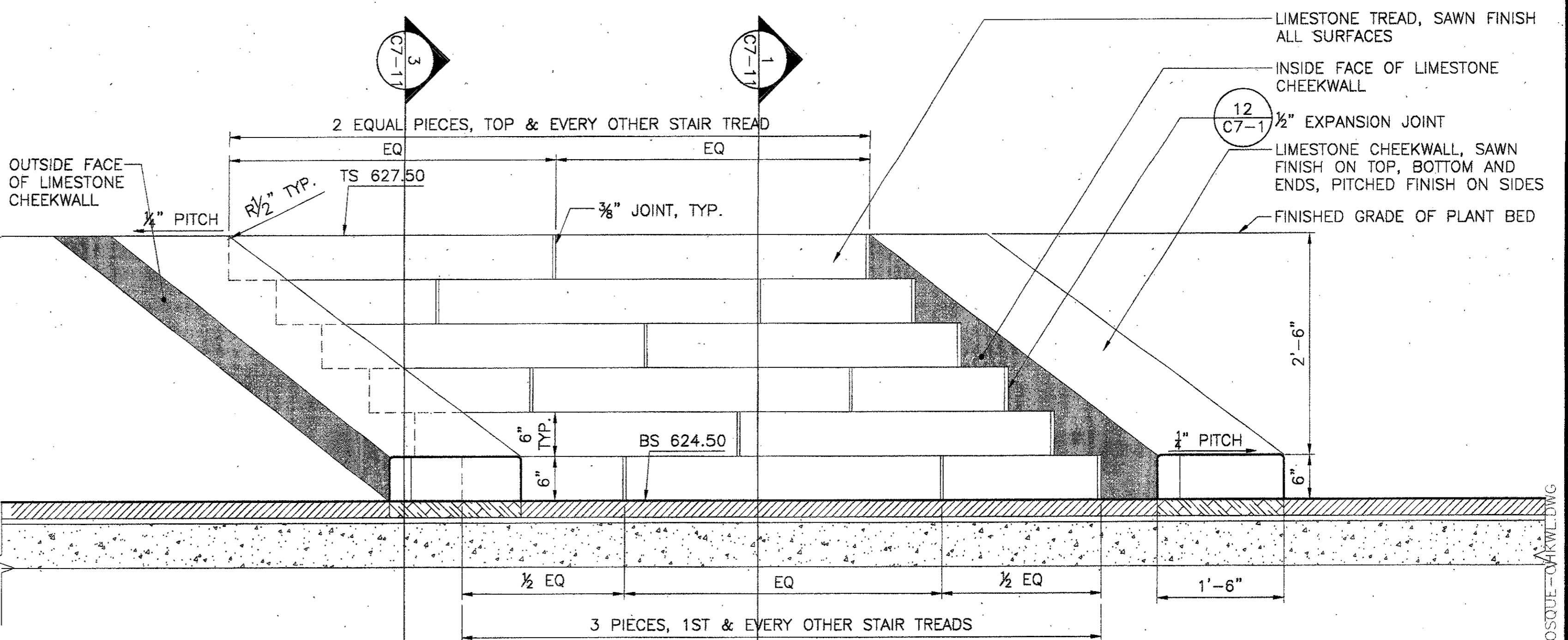
6 PAVILION STAIR CHEEKWALL SECTION  
SCALE: 1" = 1'-0"



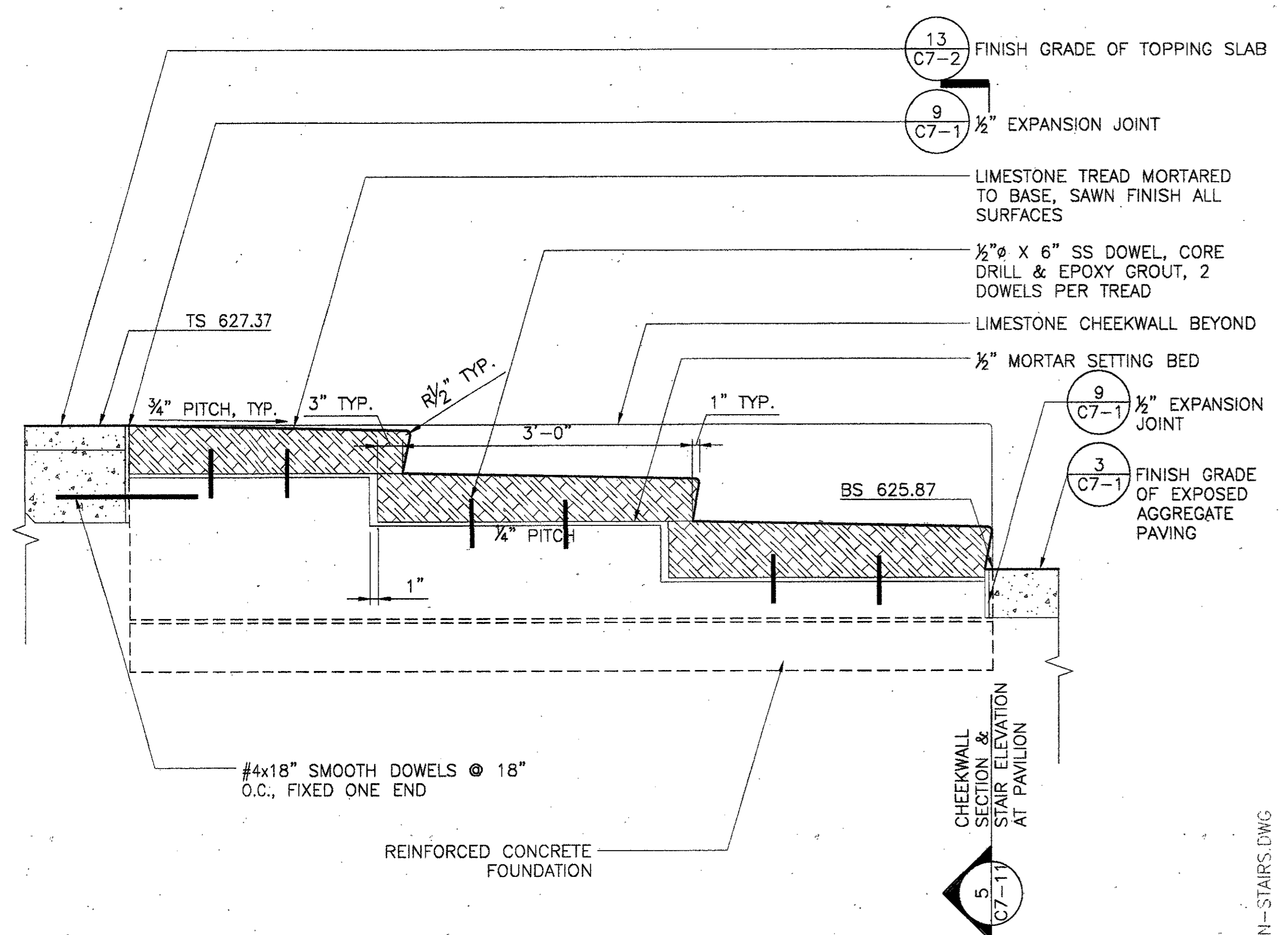
3 BOSQUE CHEEKWALL SECTION  
SCALE: 1" = 1'-0"



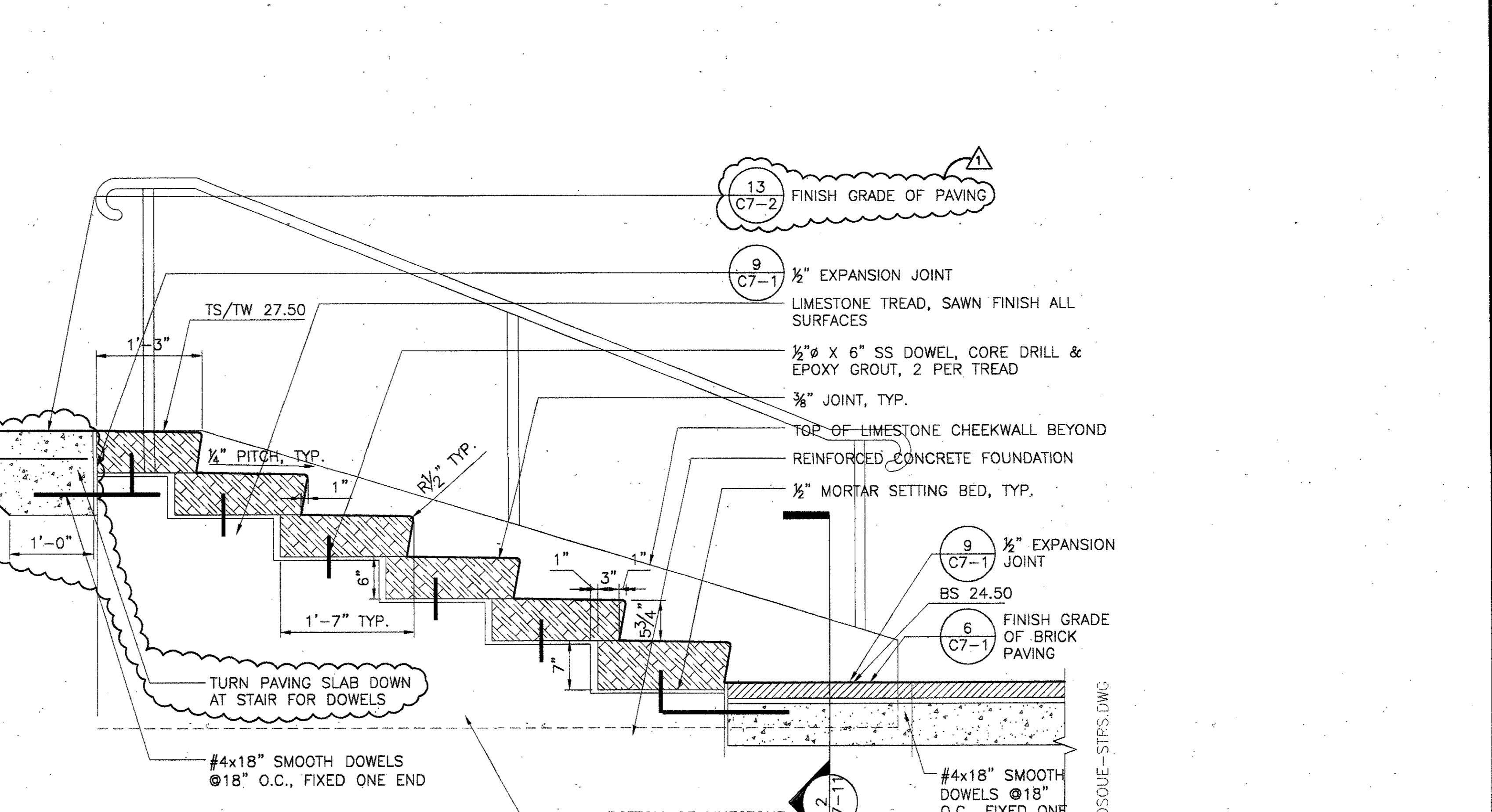
5 CHEEKWALL SECTION & STAIR ELEVATION AT PAVILION  
SCALE: 1" = 1'-0"



2 BOSQUE STAIR AND CHEEKWALL SECTION  
SCALE: 1" = 1'-0"



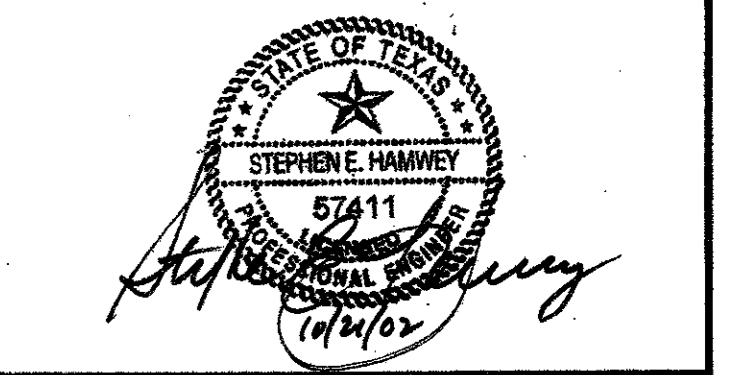
4 PAVILION STAIR SECTION  
SCALE: 1" = 1'-0"



1 STAIR SECTION AT BOSQUE  
SCALE: 1" = 1'-0"

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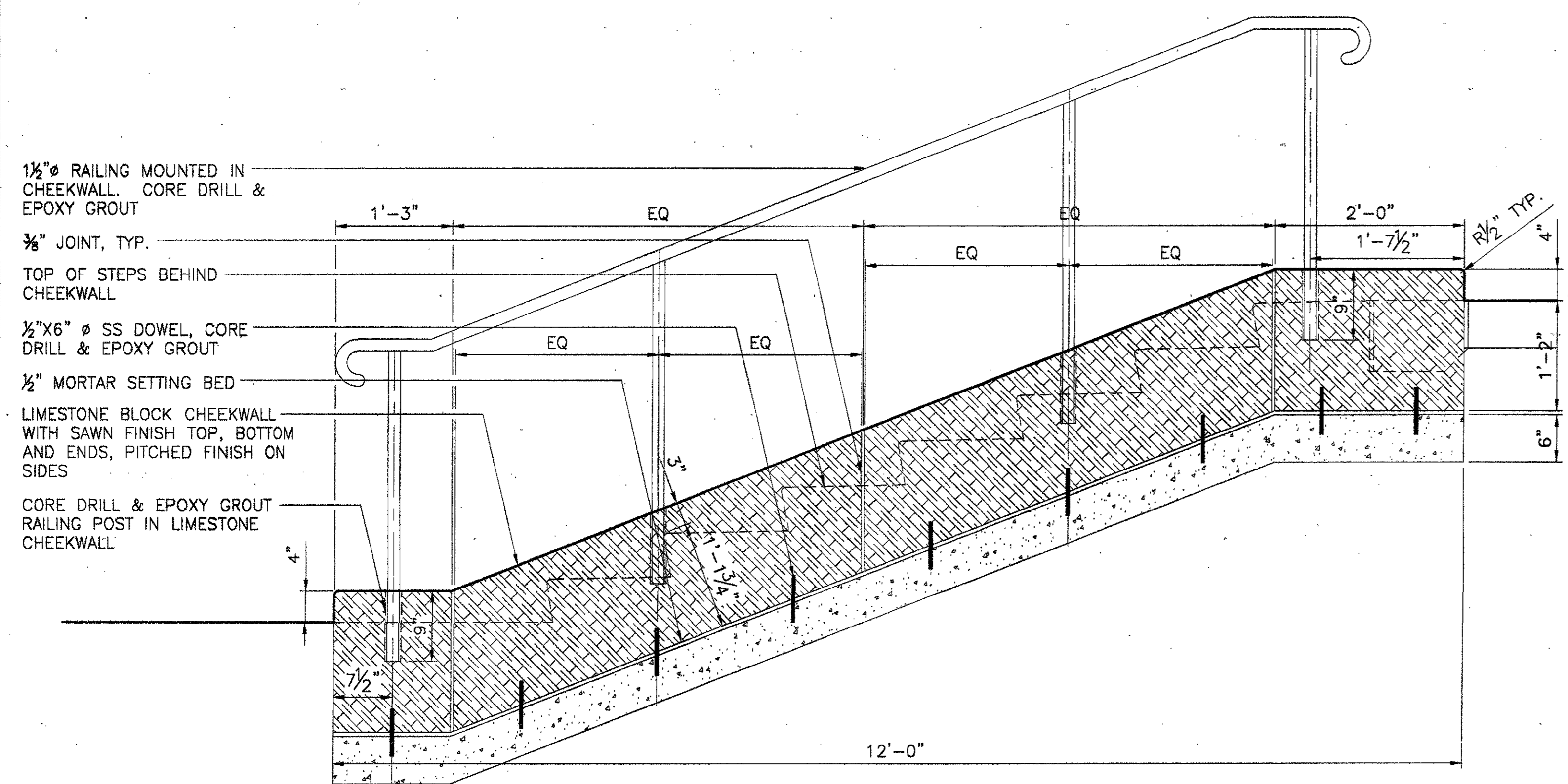


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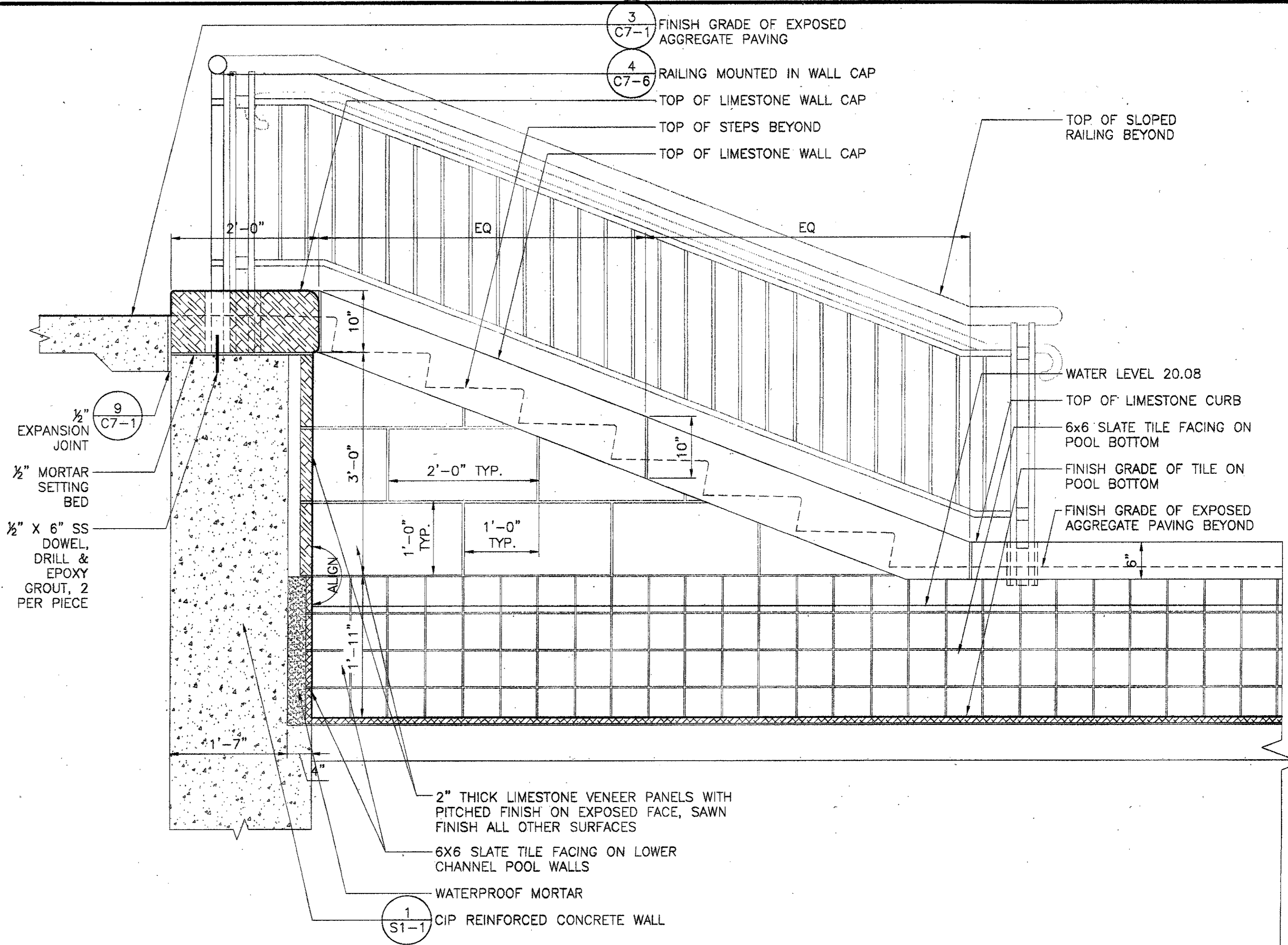
Drawing Title:  
**SITE DETAILS - STAIRS**

Project No. 14516.00 Scale: AS NOTED  
Drawn By: CB  
Checked By: DC  
Approved By: SEH  
Date: September 30, 2002

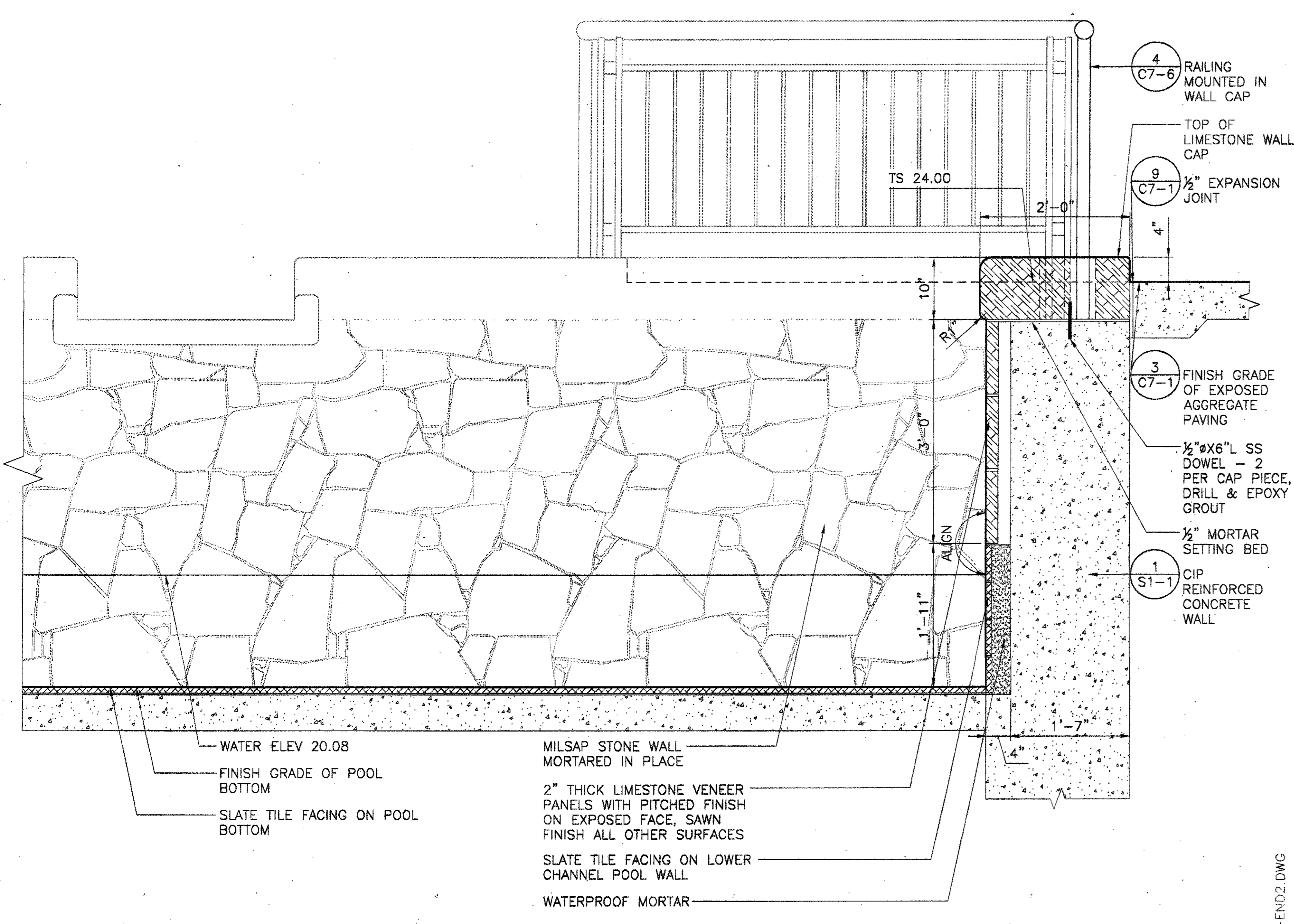
Drawing No. **C7-11**



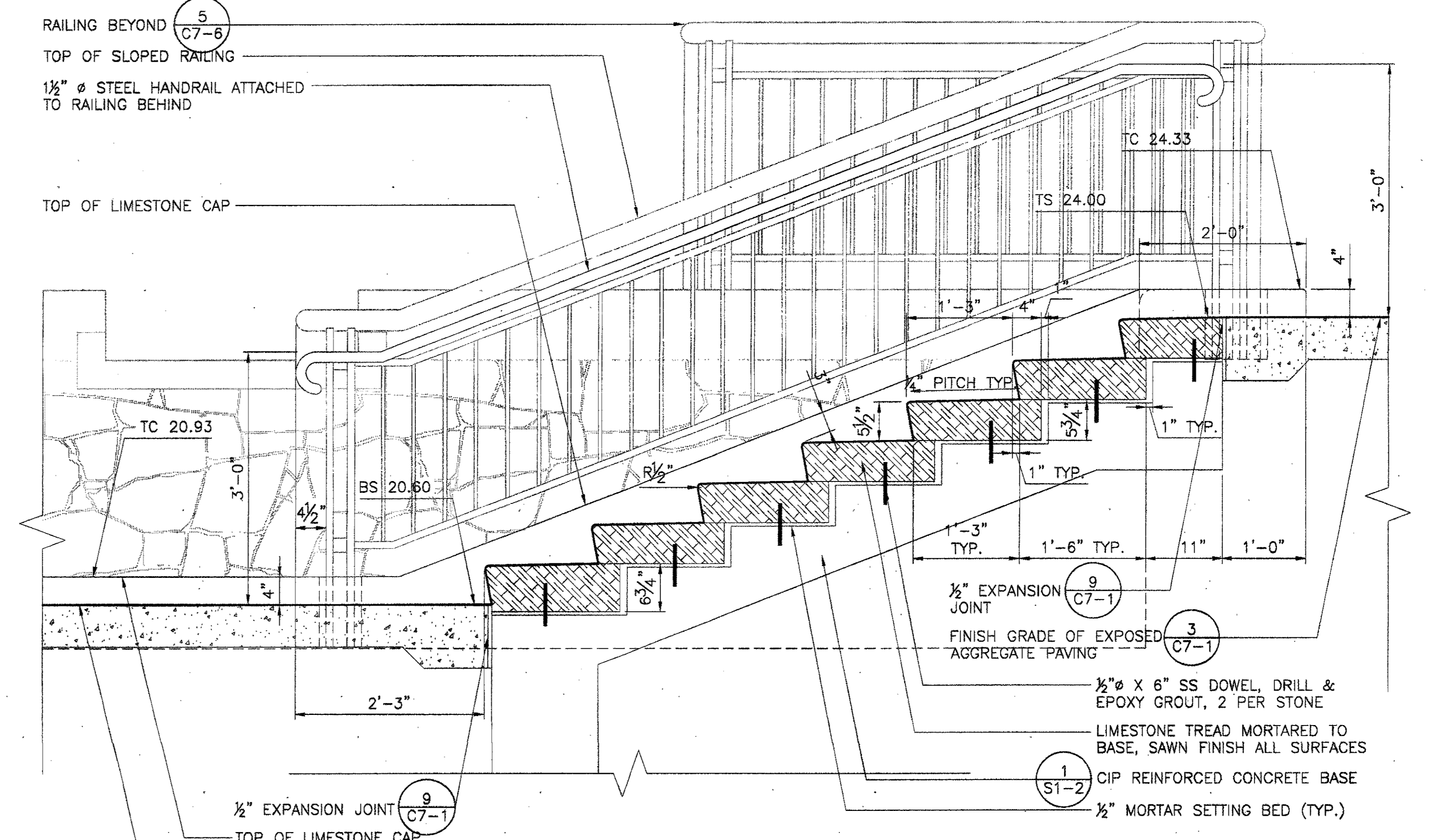
4 LOWER CHANNEL STAIRS CHEEKWALL SECTION  
 SCALE: 1" = 1'-0"



2 SECTION THROUGH LOWER CHANNEL POOL TOWARD STEPS  
 SCALE: 1" = 1'-0"

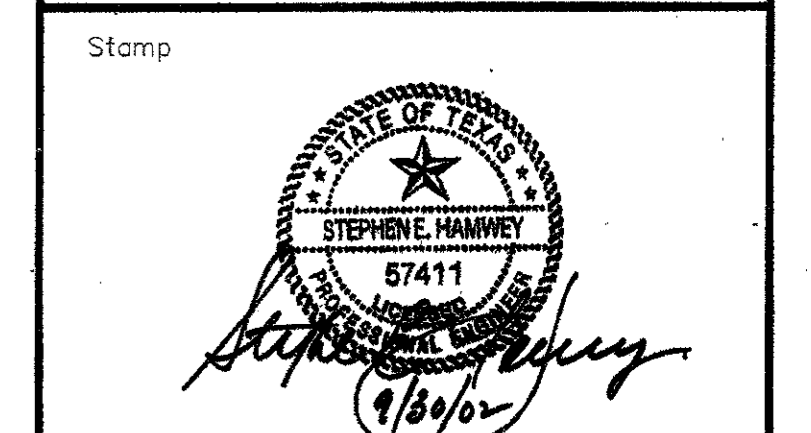


3 SECTION THROUGH LOWER CHANNEL POOL TOWARD WALL  
 SCALE: 1" = 1'-0"



1 STAIRS AT SOUTH LOWER CHANNEL  
 SCALE: 1" = 1'-0"

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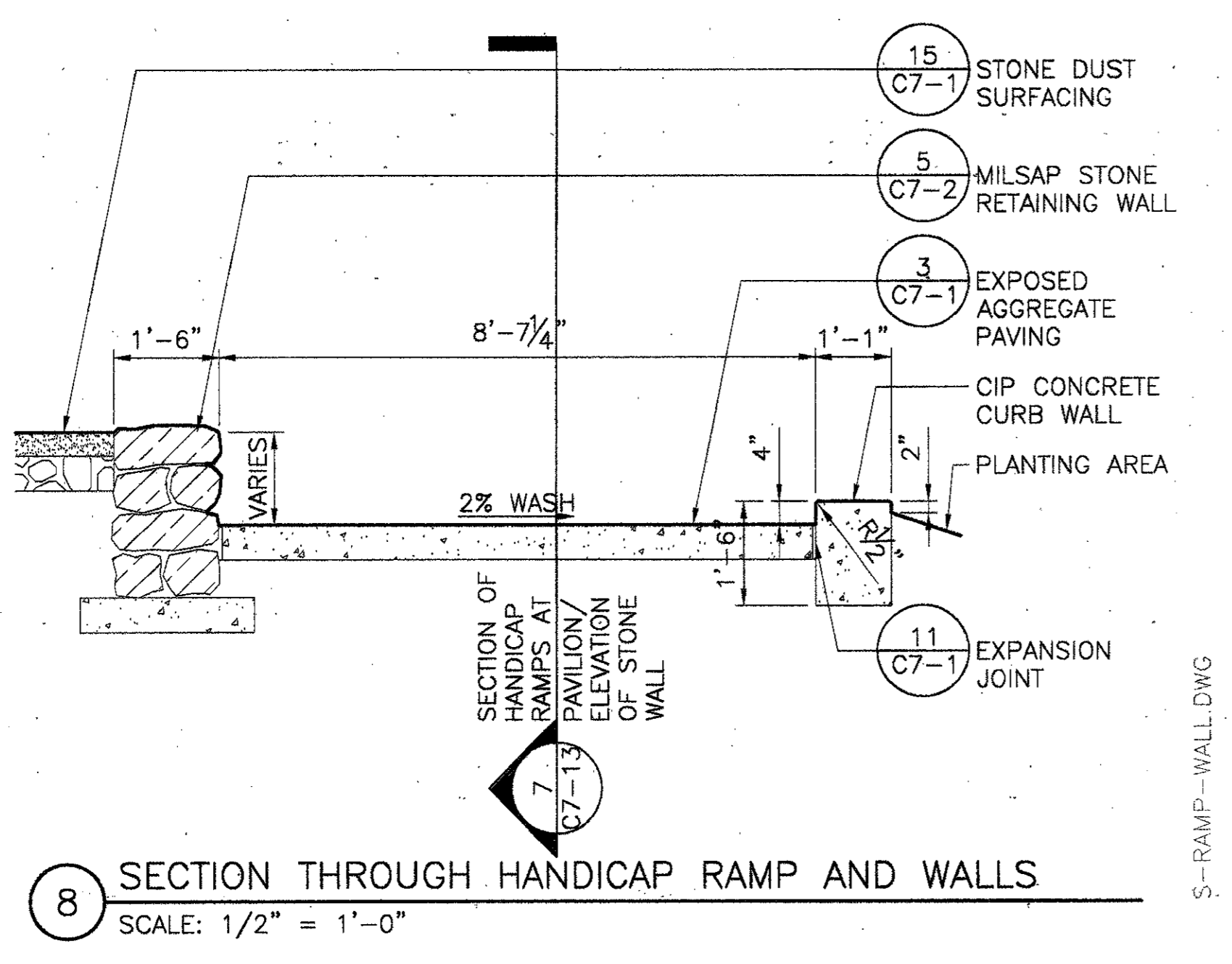


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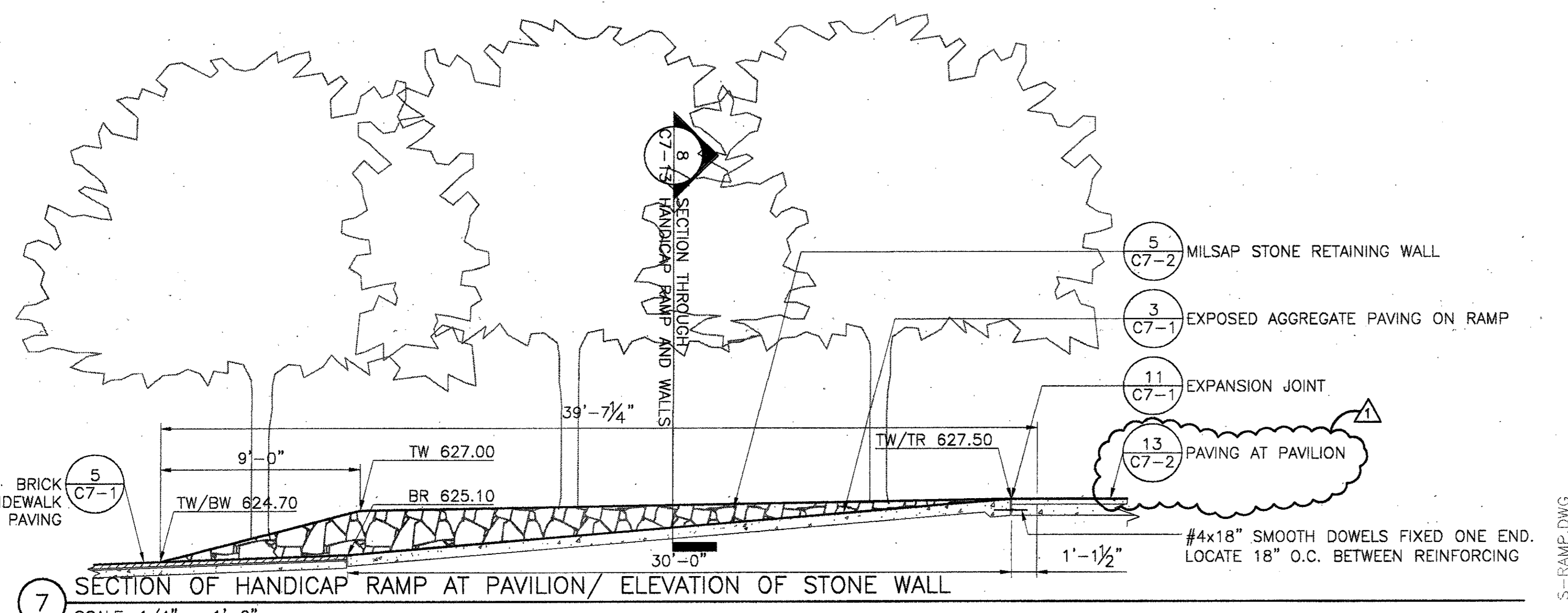
Drawing Title:  
**SITE DETAILS - STAIRS**

Project No. 14516.00 Scale: AS NOTED  
 Drawn By: CB  
 Checked By: DC  
 Approved By: SEH  
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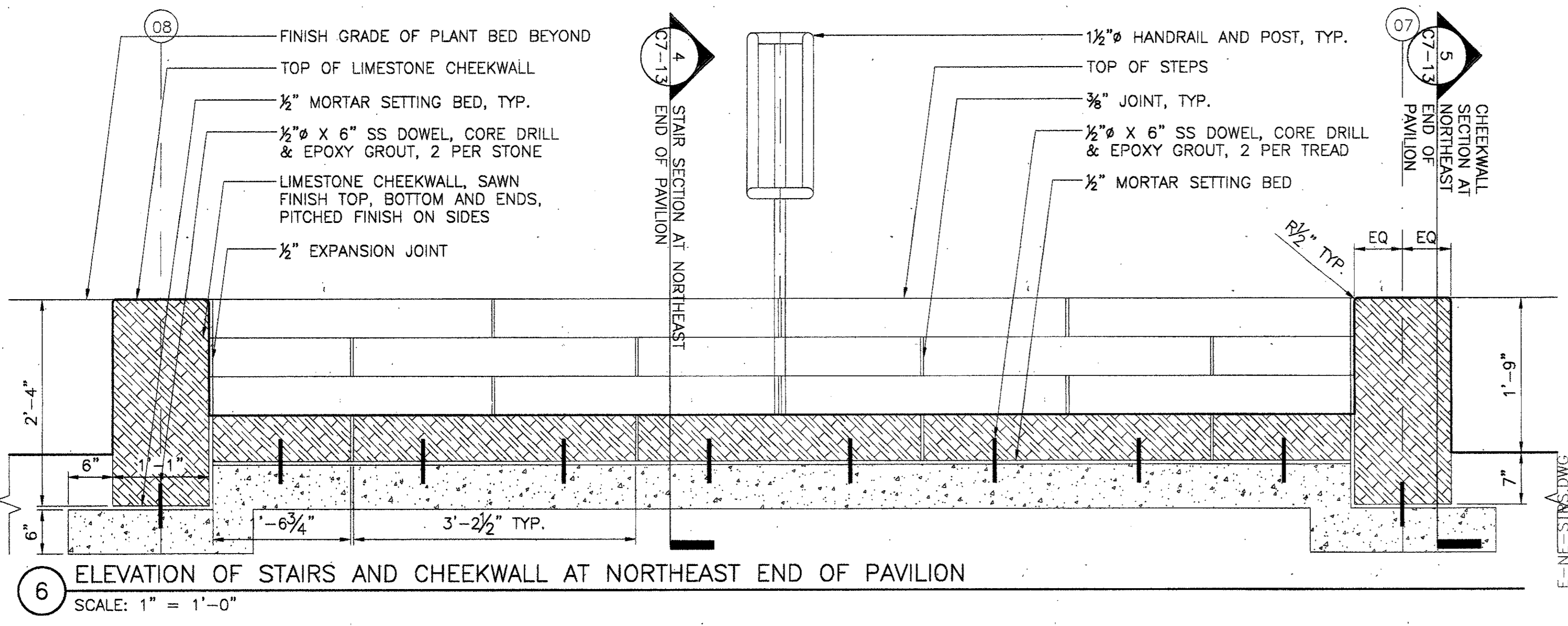
Drawing No. **C7-12**



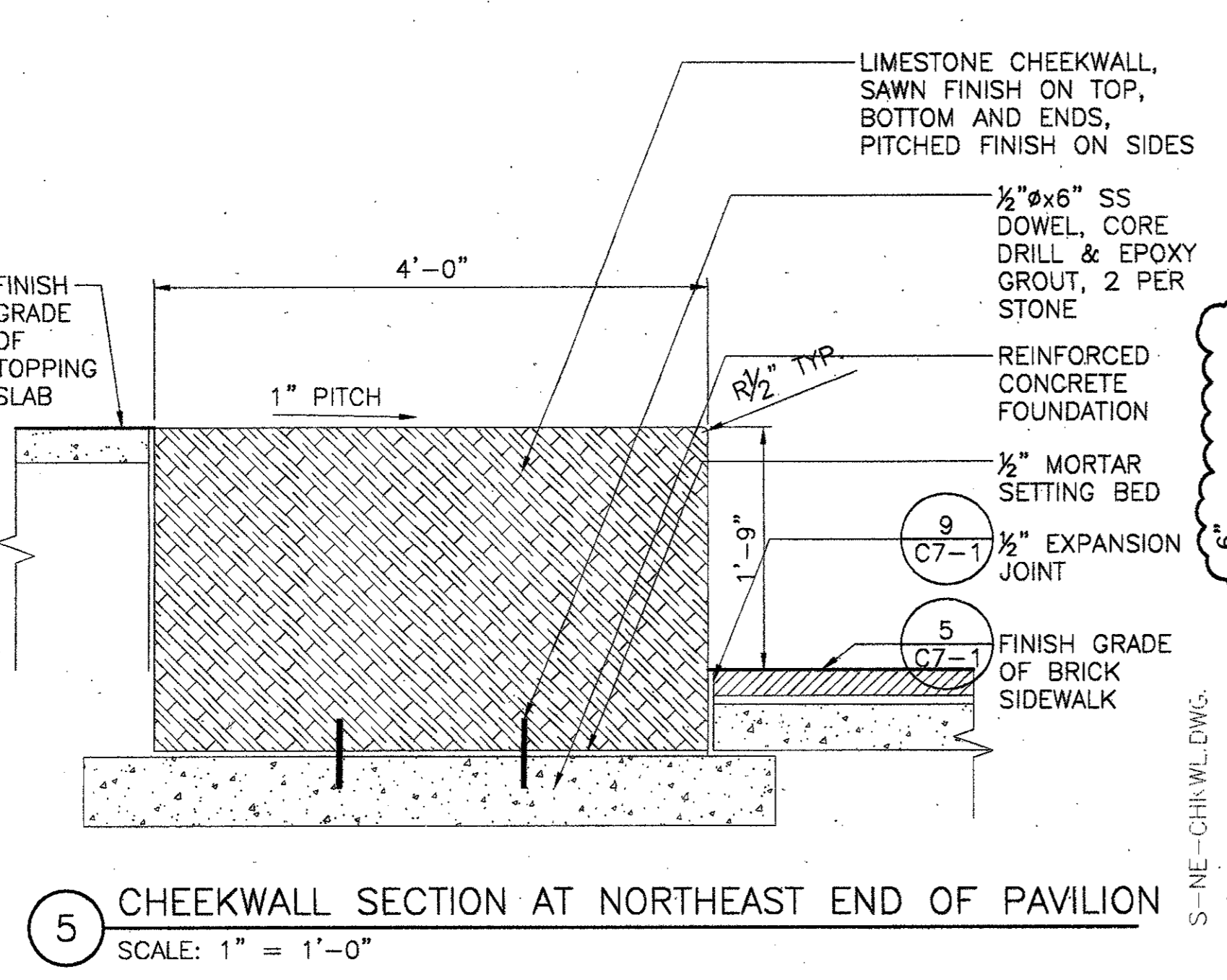
8 SECTION THROUGH HANDICAP RAMP AND WALLS  
 SCALE: 1/2" = 1'-0"



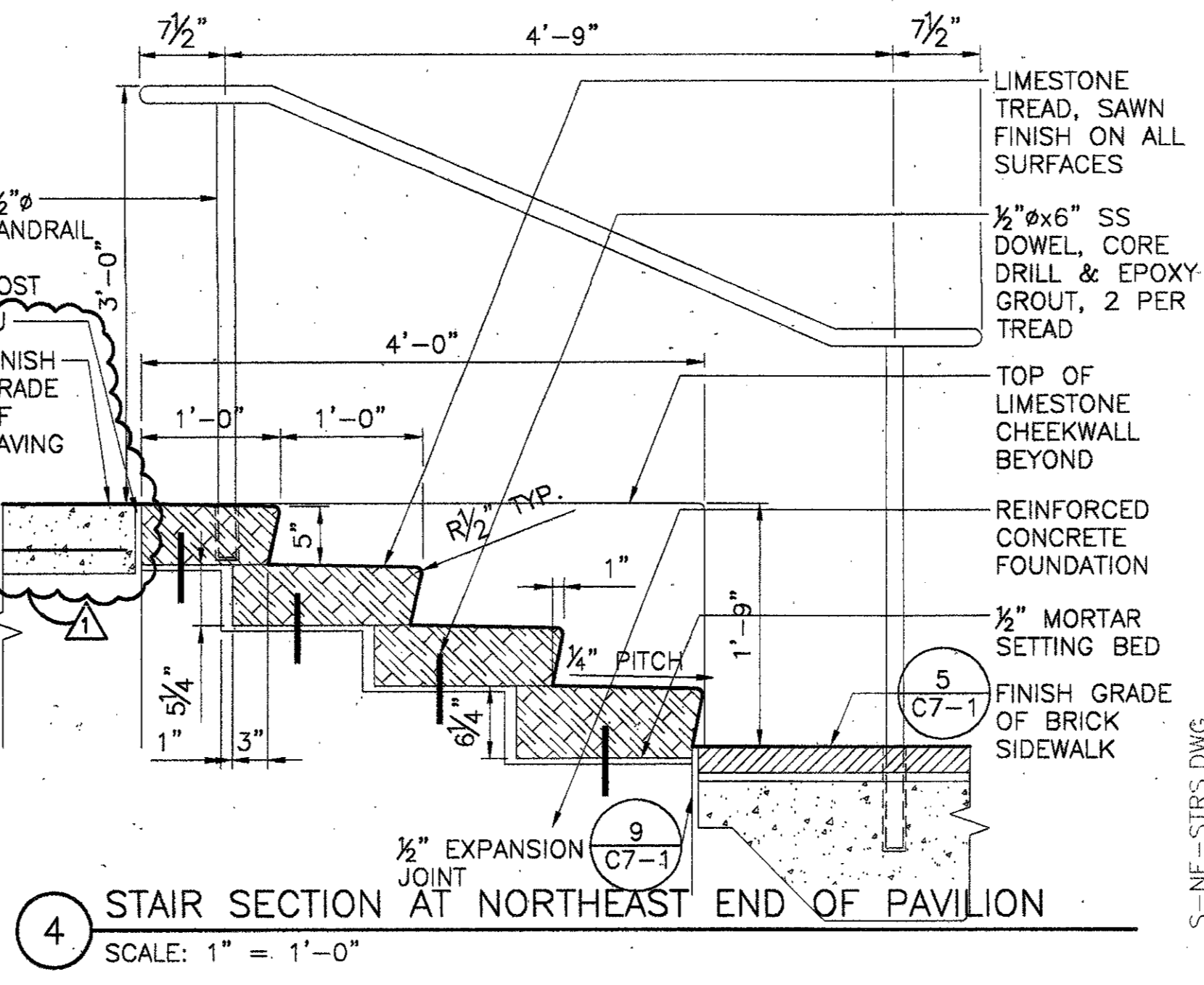
7 SECTION OF HANDICAP RAMP AT PAVILION/ ELEVATION OF STONE WALL  
 SCALE: 1/4" = 1'-0"



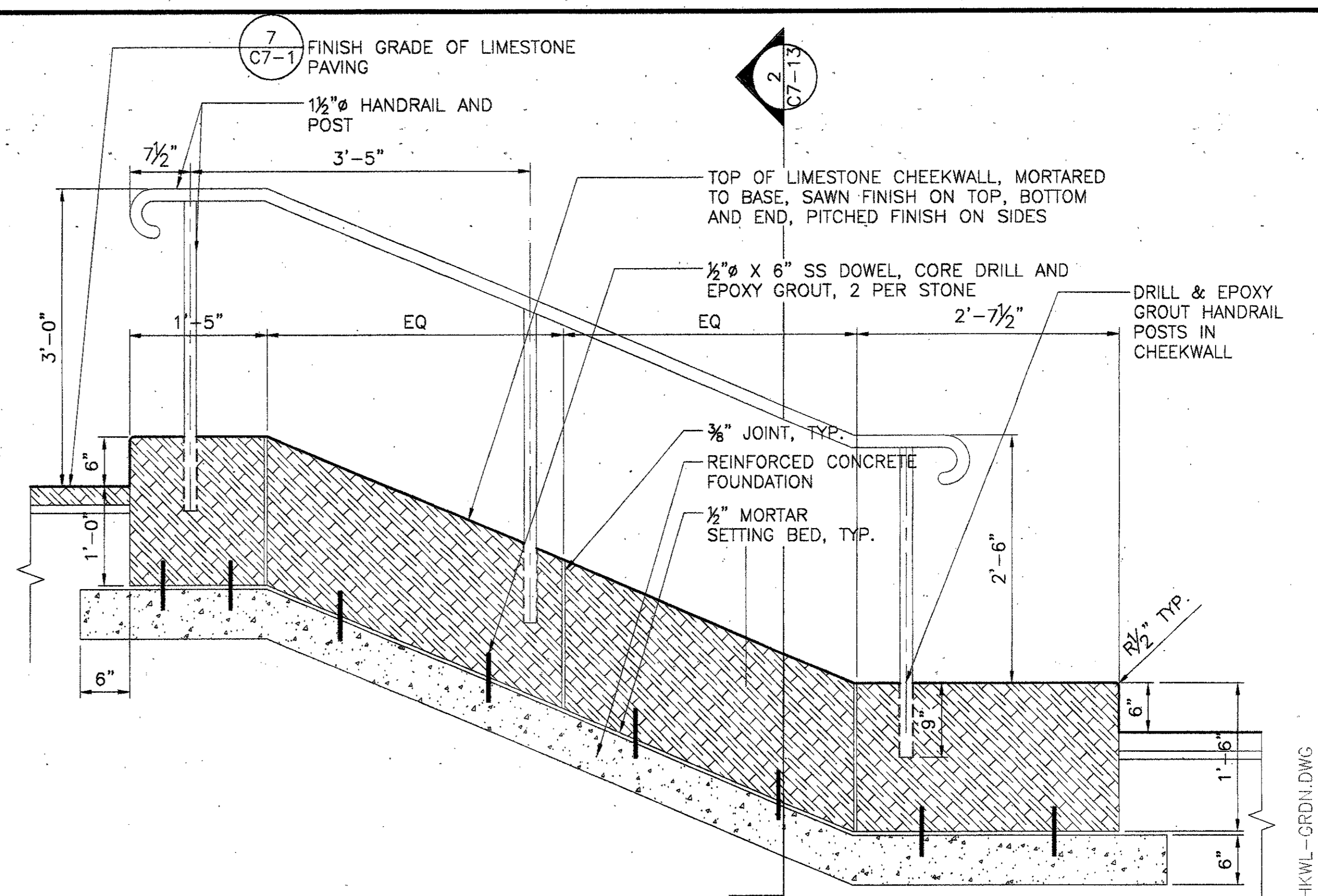
6 ELEVATION OF STAIRS AND CHEEKWALL AT NORTHEAST END OF PAVILION  
 SCALE: 1" = 1'-0"



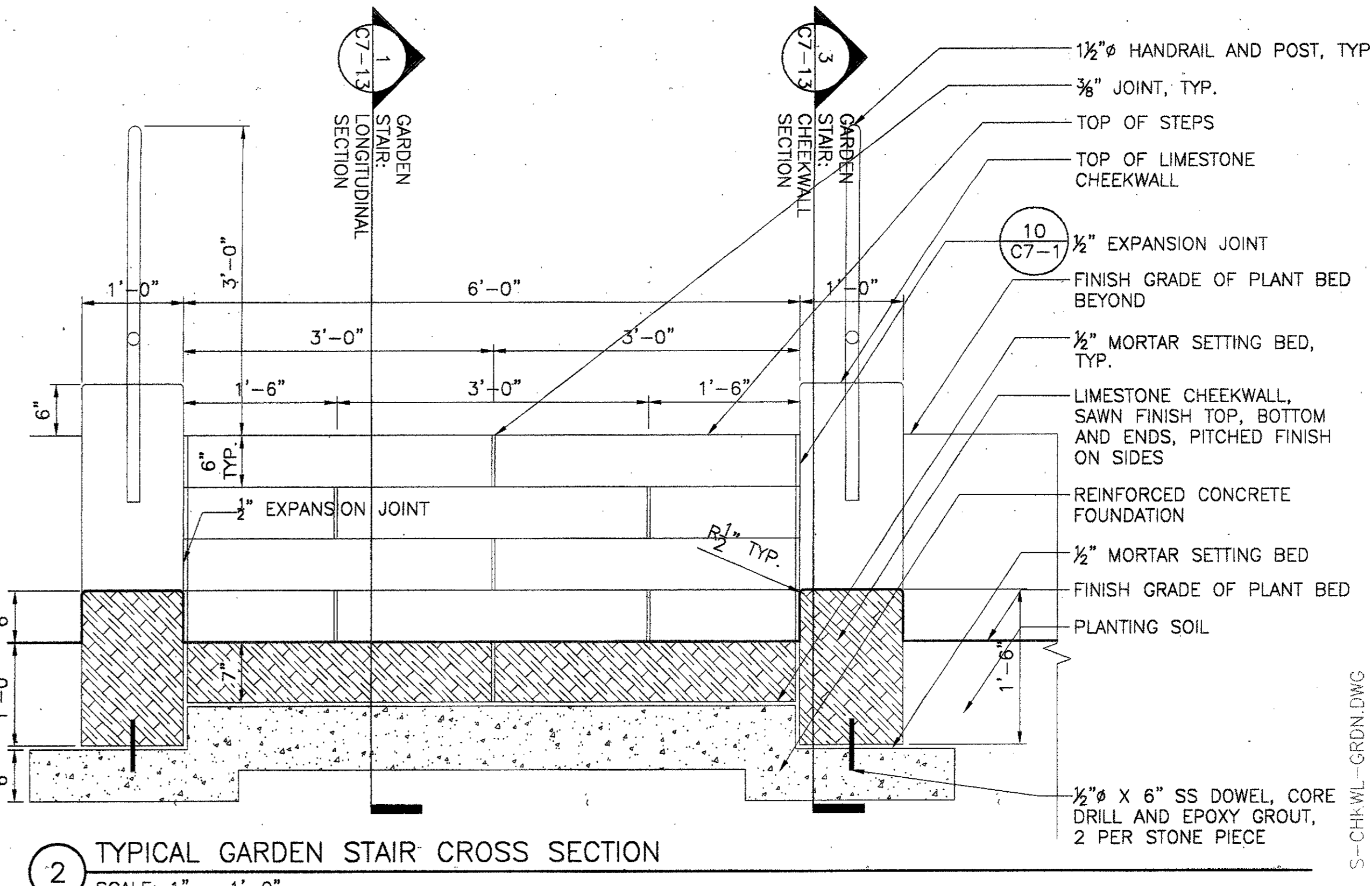
5 CHEEKWALL SECTION AT NORTHEAST END OF PAVILION  
 SCALE: 1" = 1'-0"



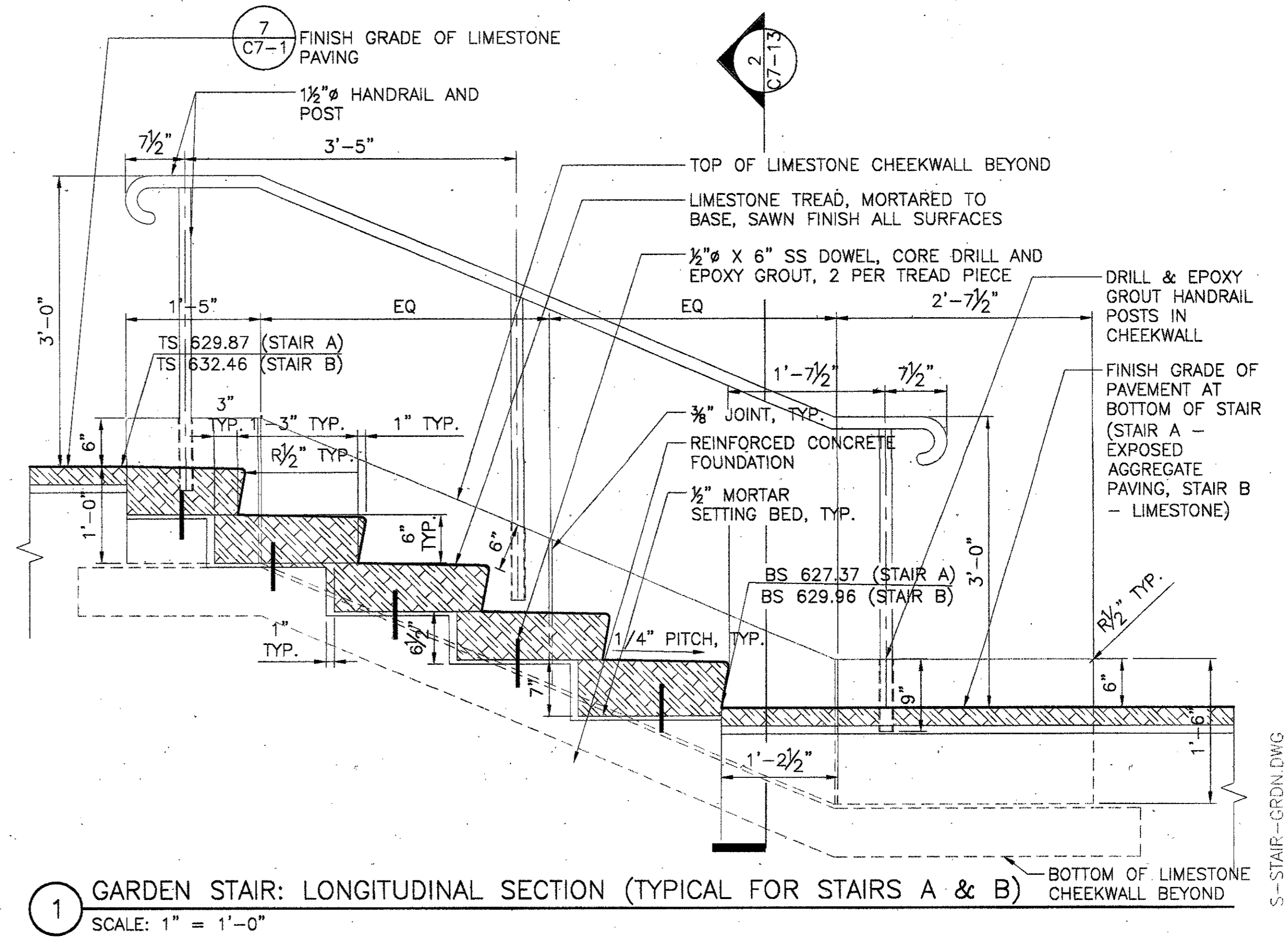
4 STAIR SECTION AT NORTHEAST END OF PAVILION  
 SCALE: 1" = 1'-0"



3 GARDEN STAIR: LONGITUDINAL SECTION THROUGH CHEEKWALL (TYPICAL FOR STAIRS A & B)  
 SCALE: 1" = 1'-0"

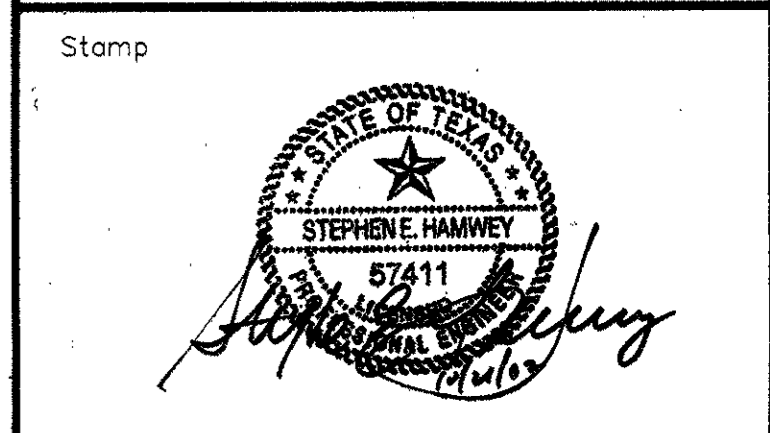


2 TYPICAL GARDEN STAIR CROSS SECTION  
 SCALE: 1" = 1'-0"



1 GARDEN STAIR: LONGITUDINAL SECTION (TYPICAL FOR STAIRS A & B)  
 SCALE: 1" = 1'-0"

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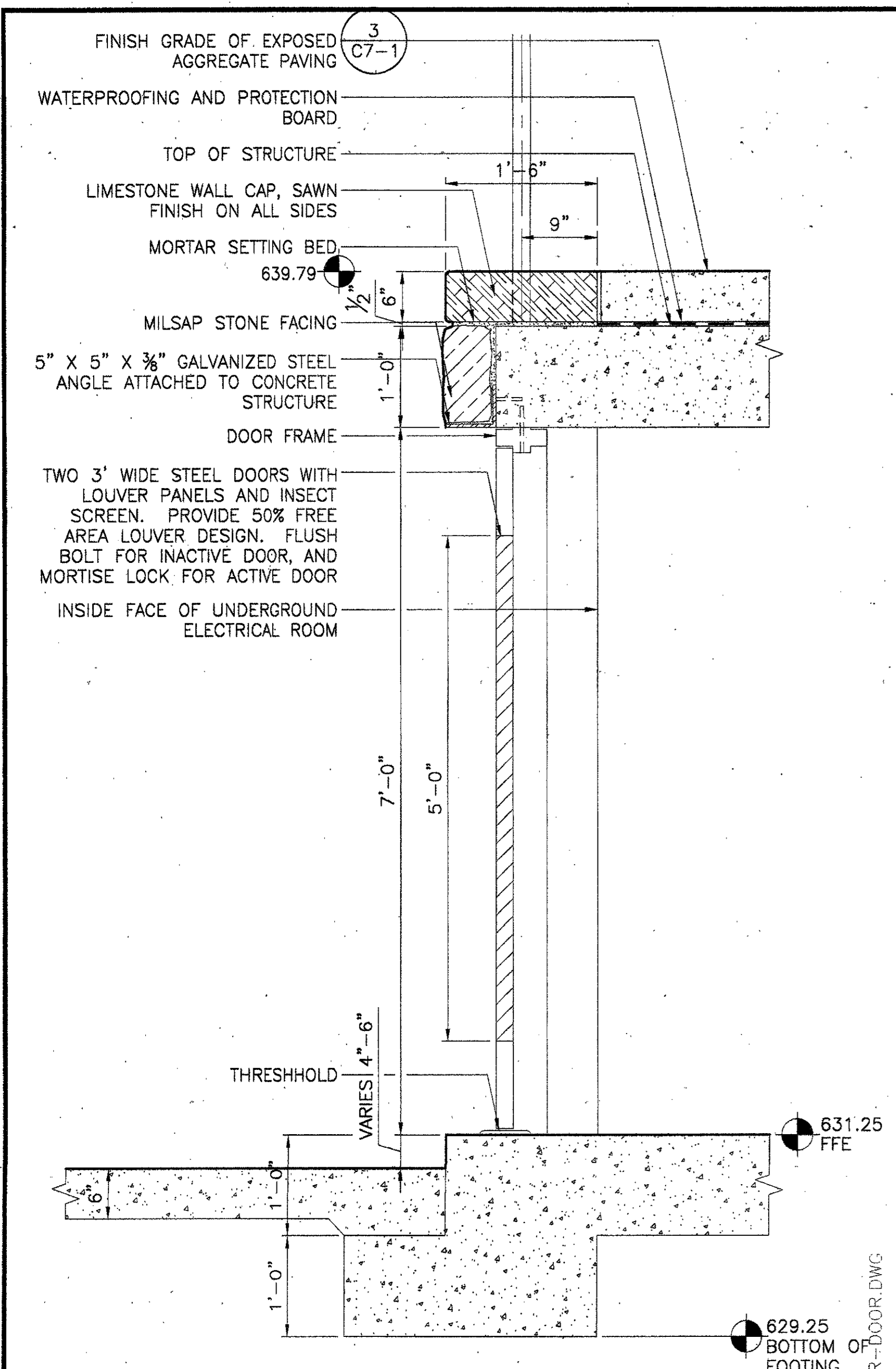
Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

Drawing Title:  
**SITE DETAILS - STAIRS**

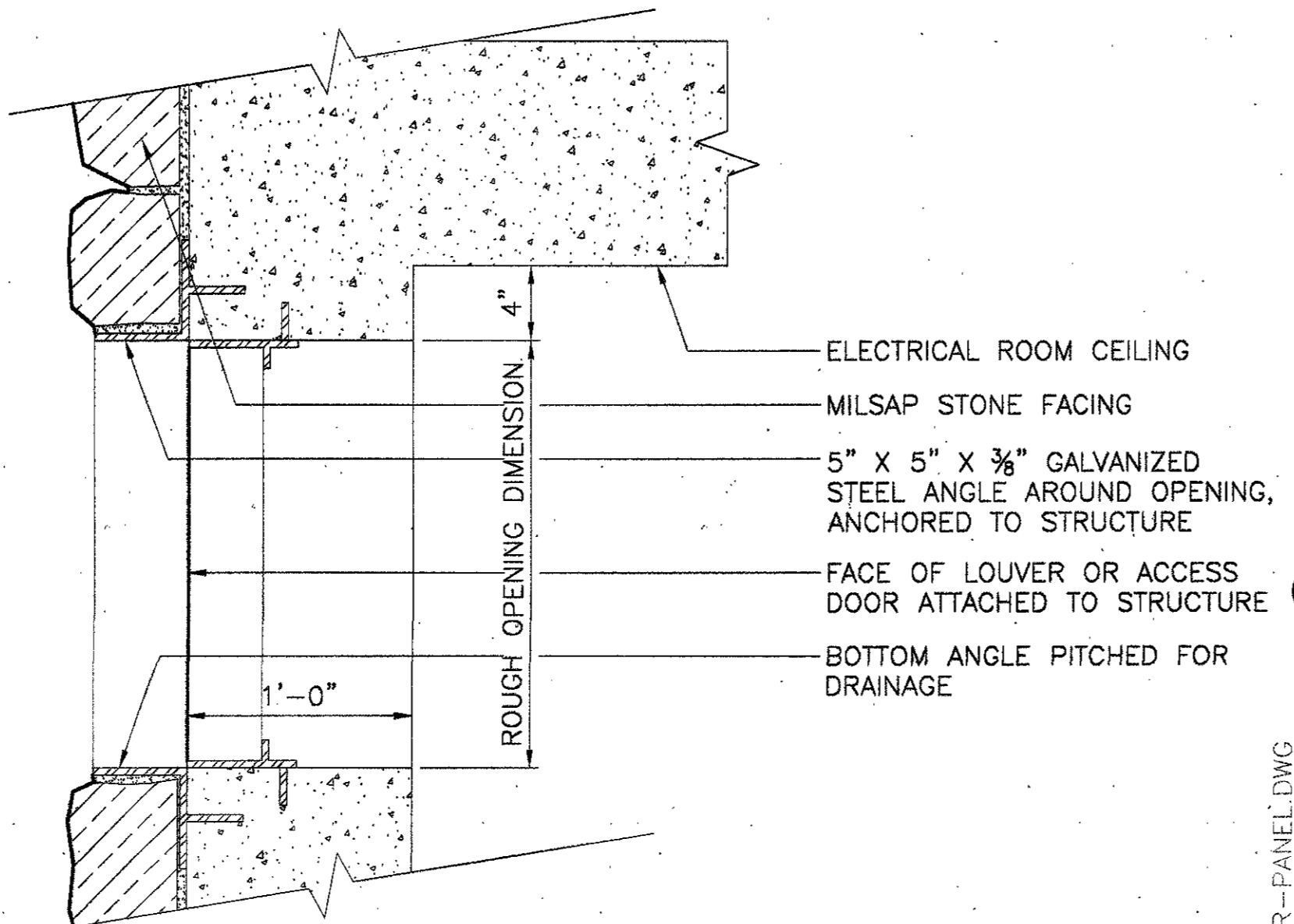
Project No. 14516.00 Scale: AS NOTED  
 Drawn By: CB  
 Checked By: DC  
 Approved By: SEH  
 Date: September 30, 2002

Drawing No. **C7-13**

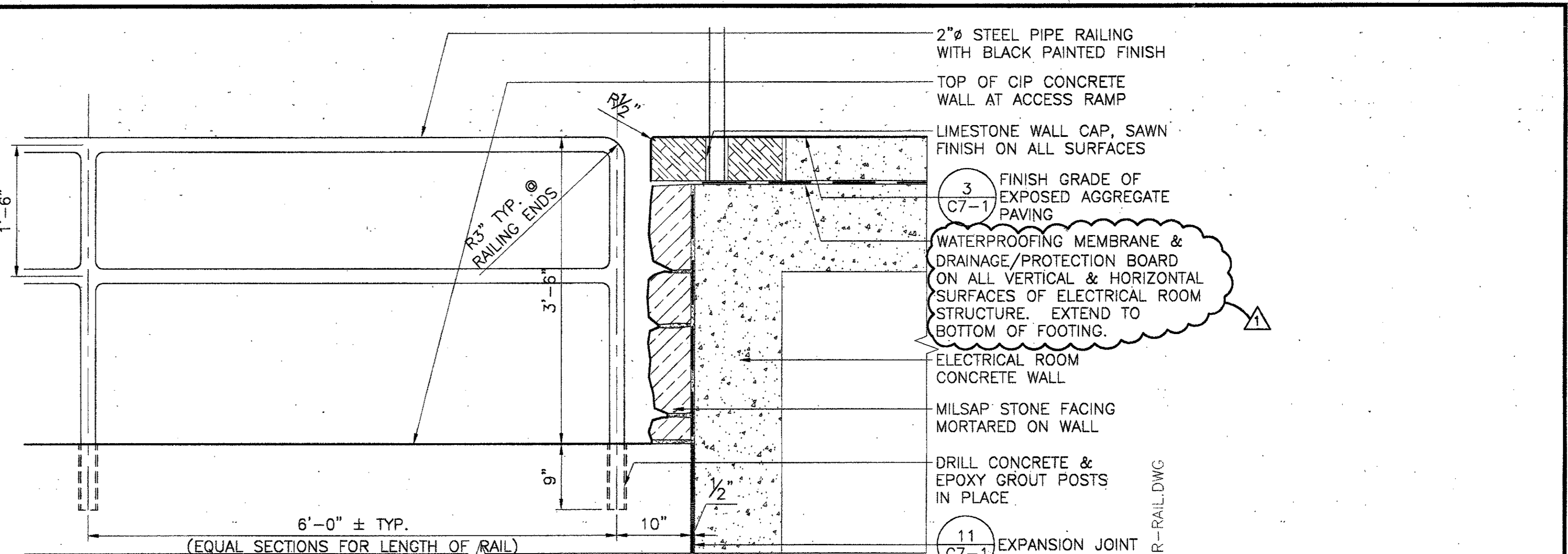




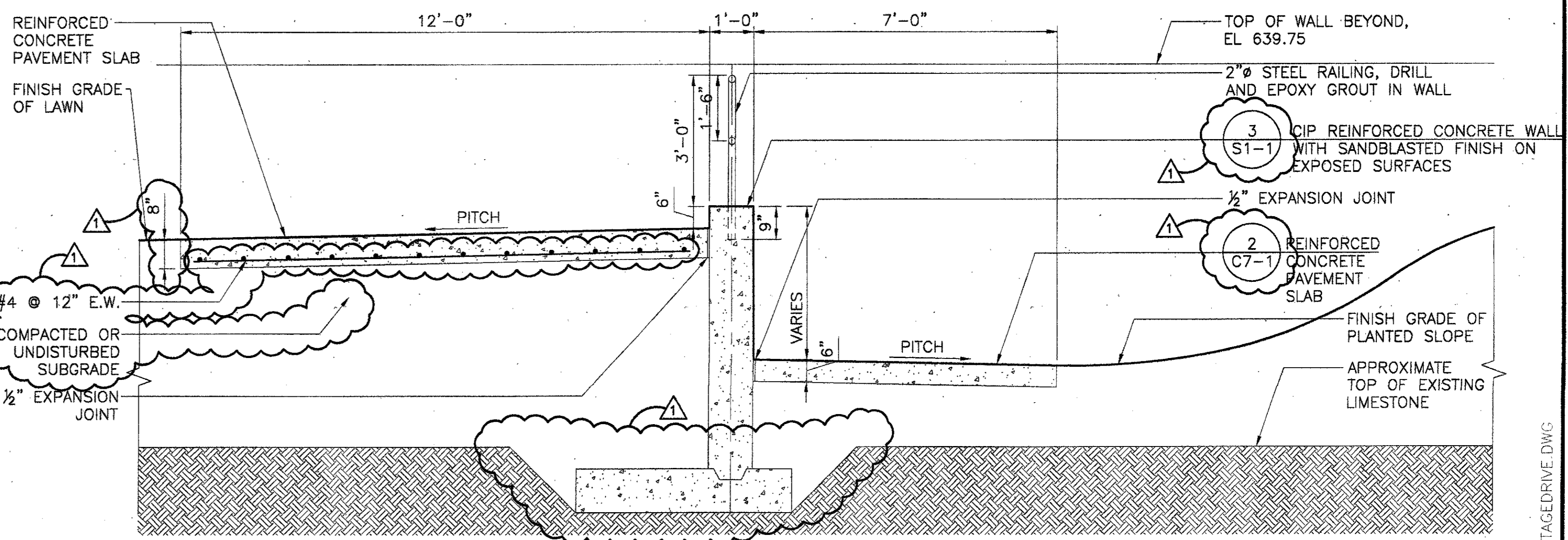
SECTION AT ELECTRICAL ROOM ACCESS DOOR  
 SCALE: 1" = 1'-0"



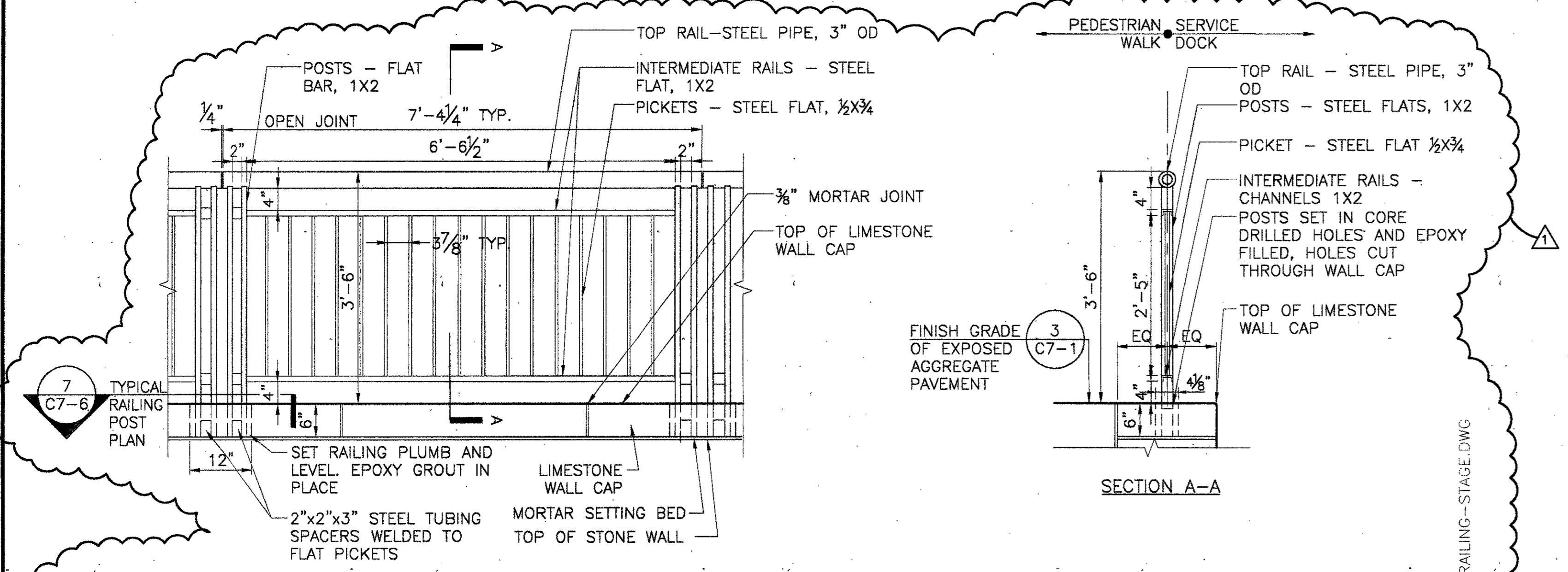
ELECTRICAL ROOM LOUVER & ACCESS PANEL SECTION  
 SCALE: 1 1/2" = 1'-0"



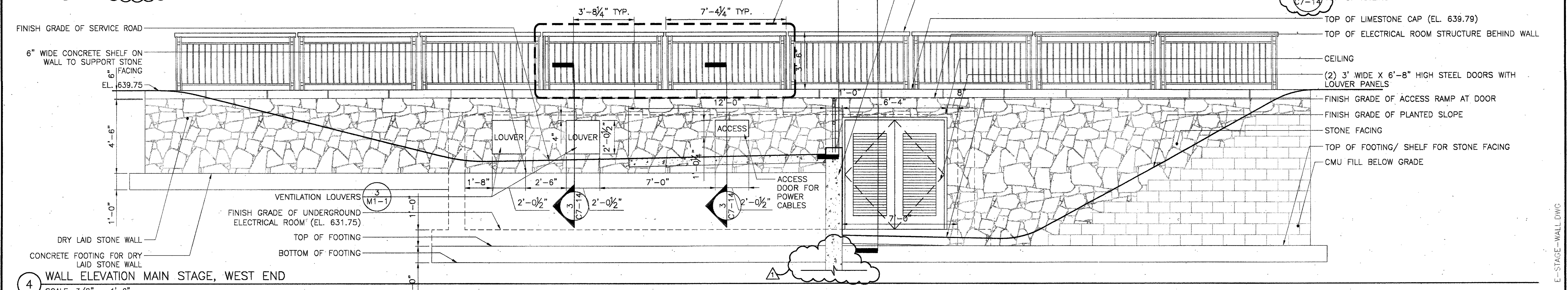
ACCESS RAMP WALL & RAILING ELEVATION @ ELECTRICAL ROOM  
 SCALE: 1" = 1'-0"



SERVICE DRIVE/RAMP SECTION AT MAIN STAGE  
 SCALE: 1/2" = 1'-0"



TYPICAL RAILING ELEVATION AT WEST SIDE OF STAGE  
 SCALE: 3/4" = 1'-0"



WALL ELEVATION MAIN STAGE, WEST END  
 SCALE: 3/8" = 1'-0"

ADDENDUM #2	10-21-02
ISSUED FOR CONSTRUCTION	09-30-02
No. Description	Date

DWG ISSUE & REVISION HISTORY

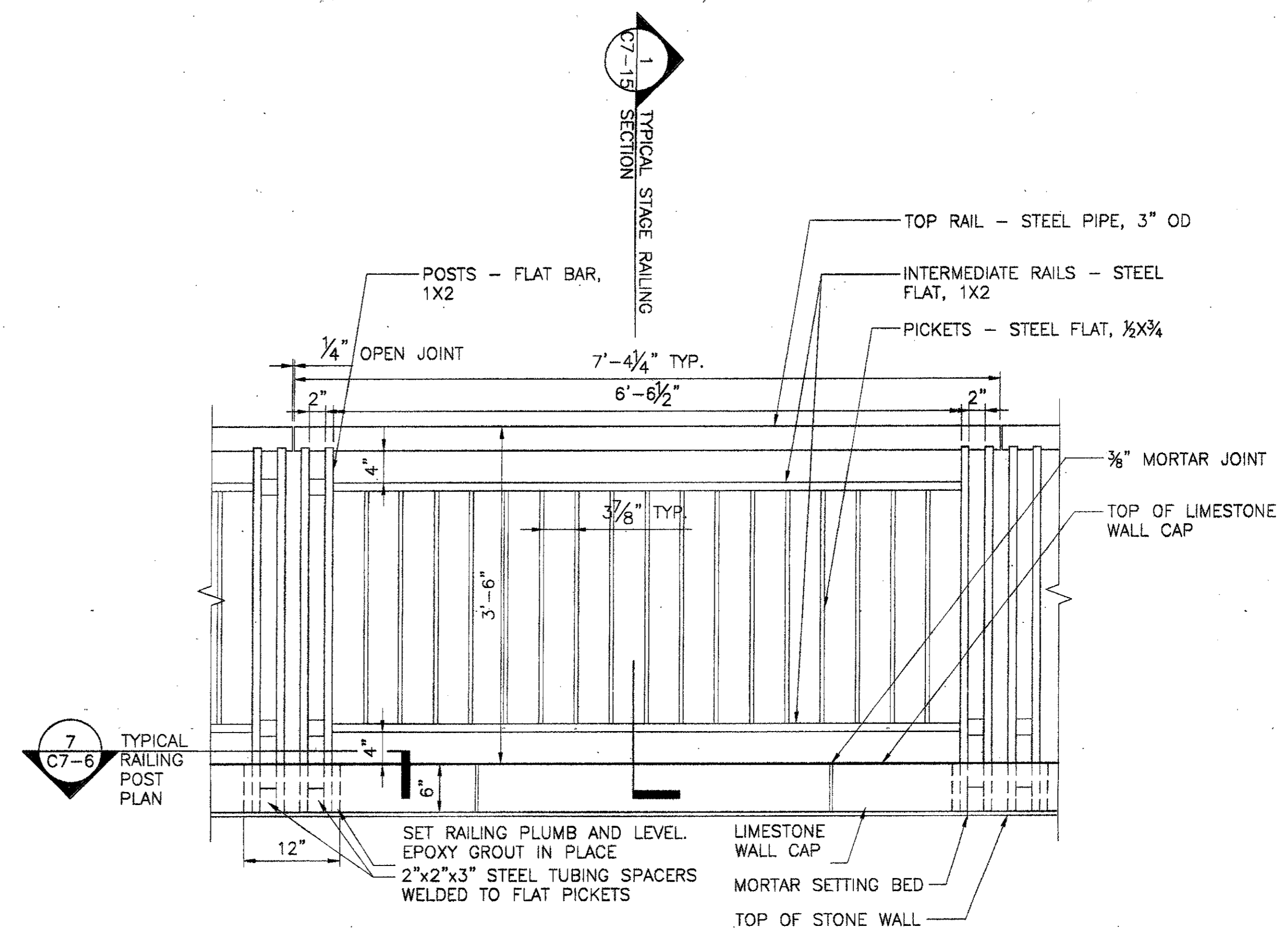
Stamp

Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

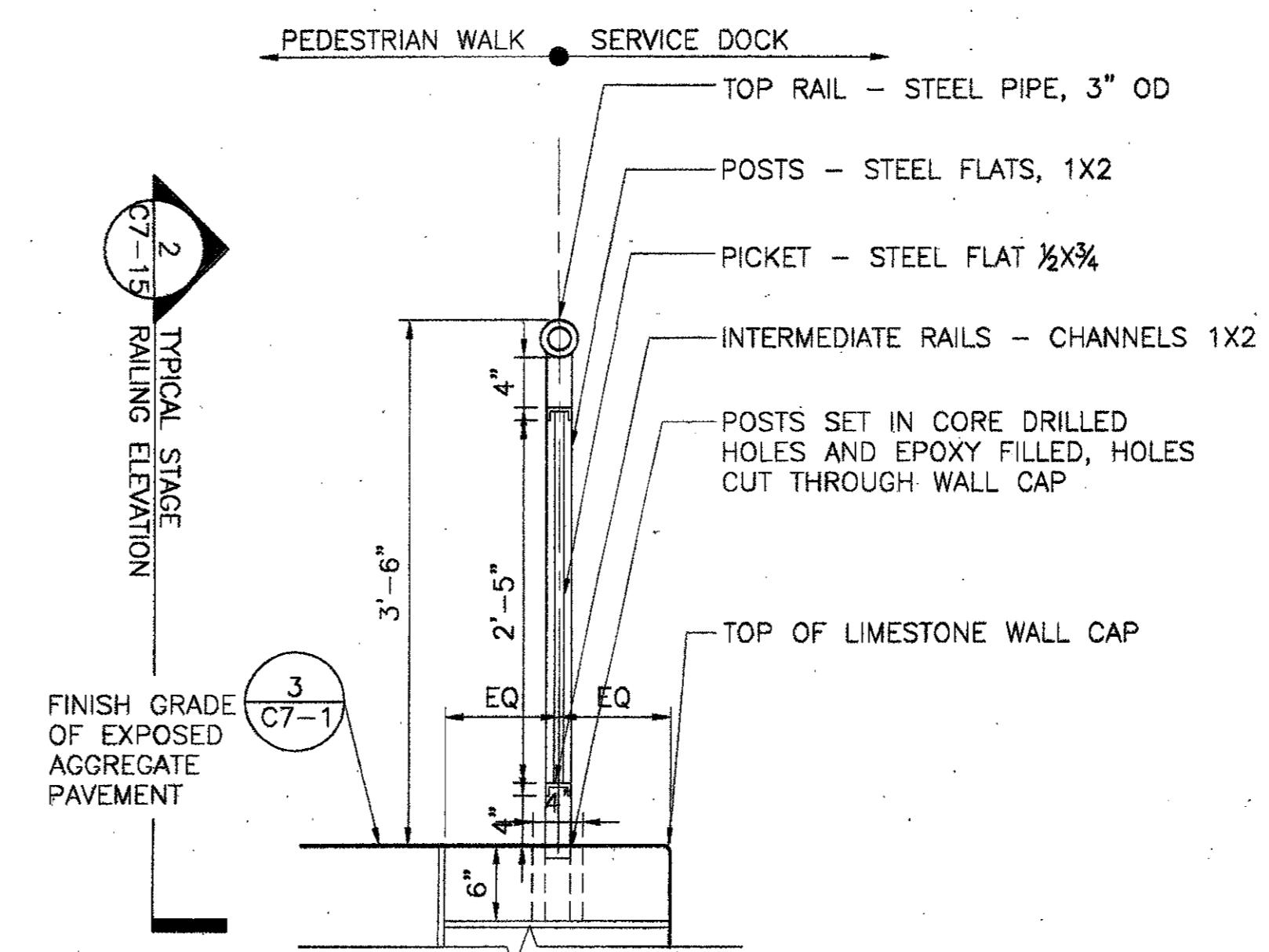
Drawing Title:  
**SITE DETAILS - ELECTRICAL ROOM**

Project No. 14516.00 Scale: AS NOTED  
 Drawn By: CB  
 Checked By: DC  
 Approved By: SEH  
 Date: September 30, 2002

Drawing No. **C7-14**



2 TYPICAL RAILING ELEVATION AT WEST SIDE OF STAGE  
 SCALE: 1" = 1'-0"

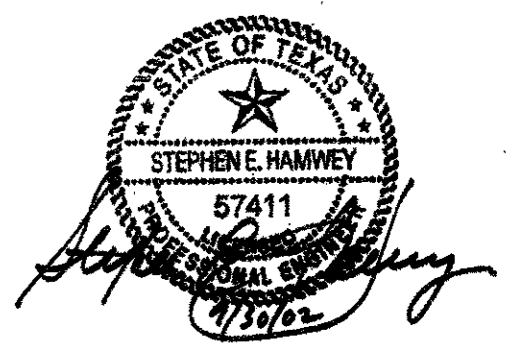


1 TYPICAL RAILING SECTION AT WEST SIDE OF STAGE  
 SCALE: 1" = 1'-0"

ISSUED FOR CONSTRUCTION	09-30-02
-------------------------	----------

No.	Description	Date
DWG ISSUE & REVISION HISTORY		

Stamp



Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

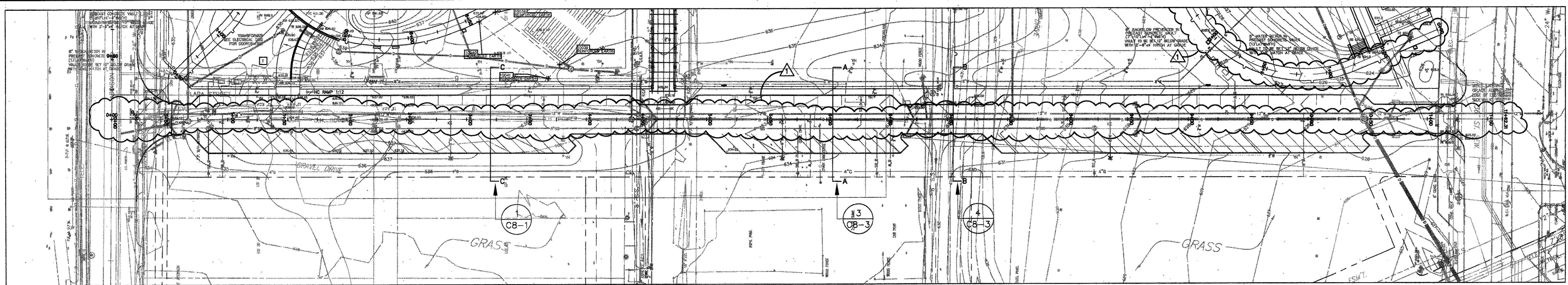
Drawing Title:  
**SITE DETAILS - ELECTRICAL ROOM**

Project No. 14516.00 Scale: AS NOTED  
 Drawn By: CB  
 Checked By: DC  
 Approved By: SEH  
 Date: September 30, 2002

Drawing No. **C7-15**

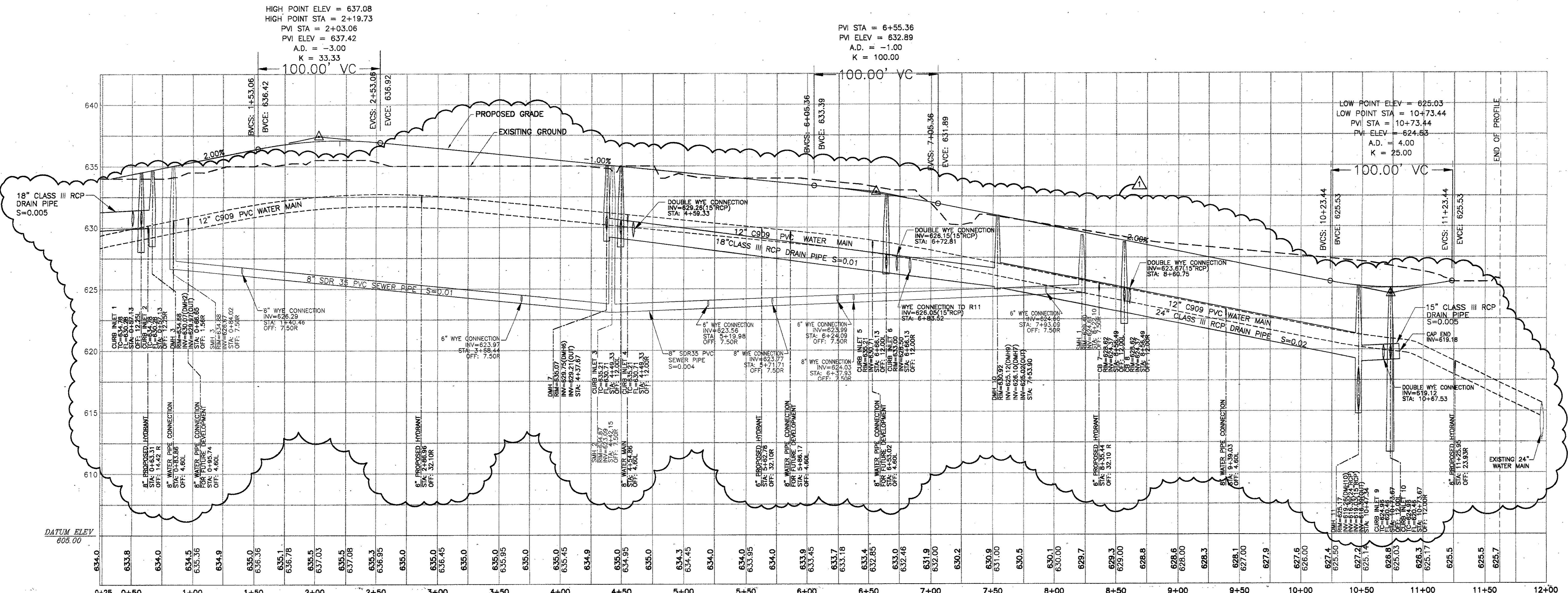
E-RAILING-STAGE.DWG

S-RAILING-STAGE.DWG



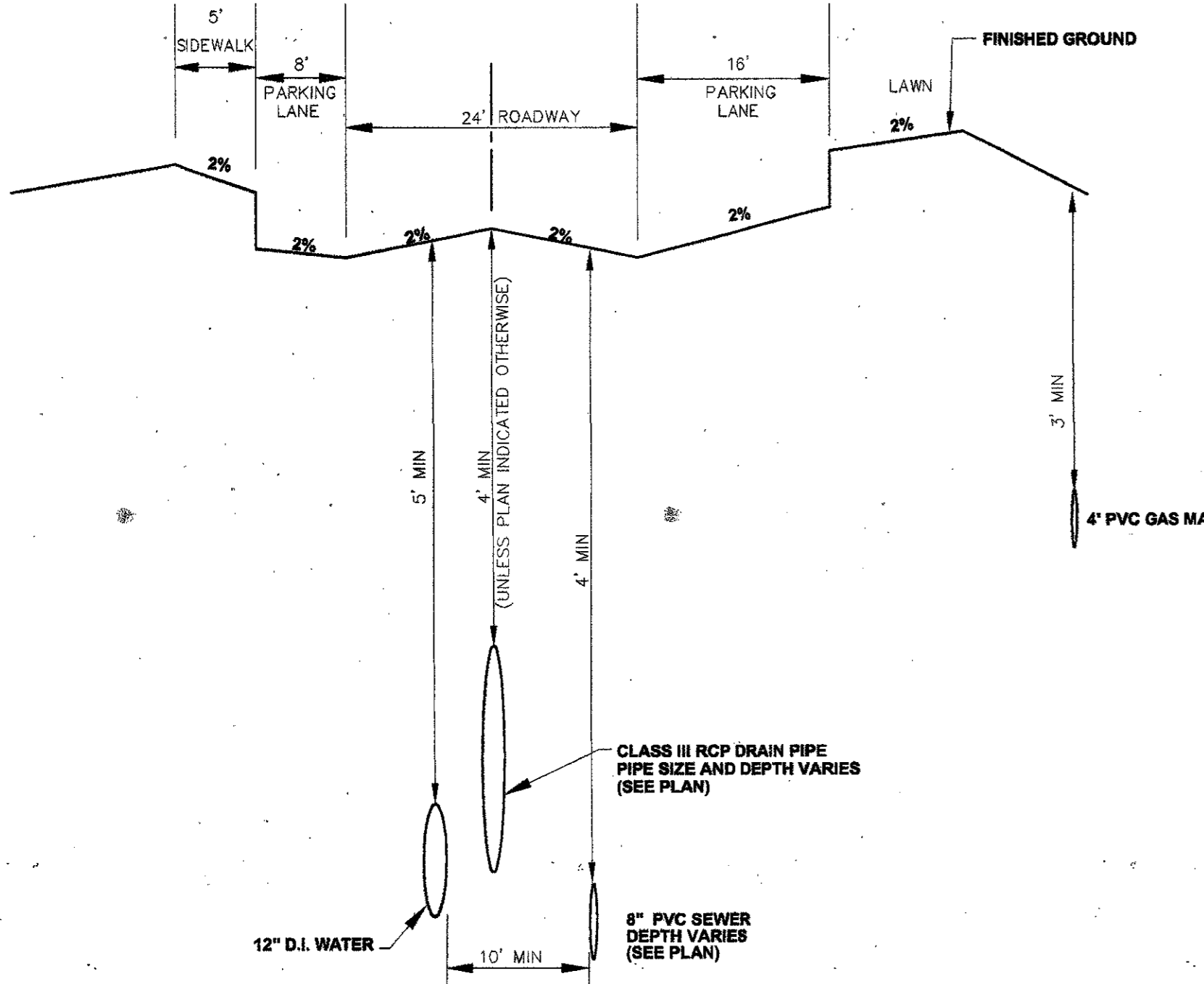
FESTIVAL WAY PLAN VIEW

SCALE: 1" = 40'-0"

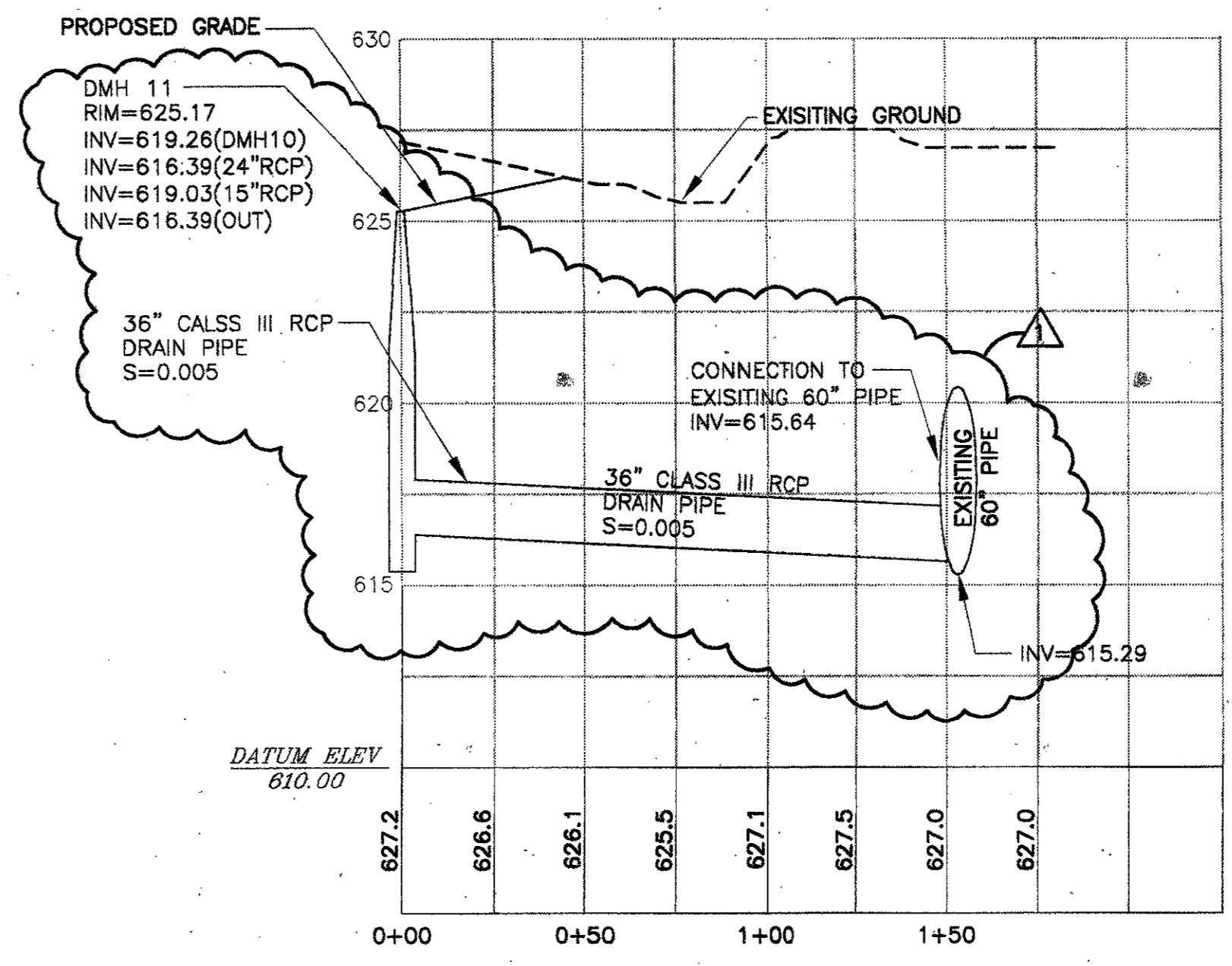


FESTIVAL WAY PROFILE

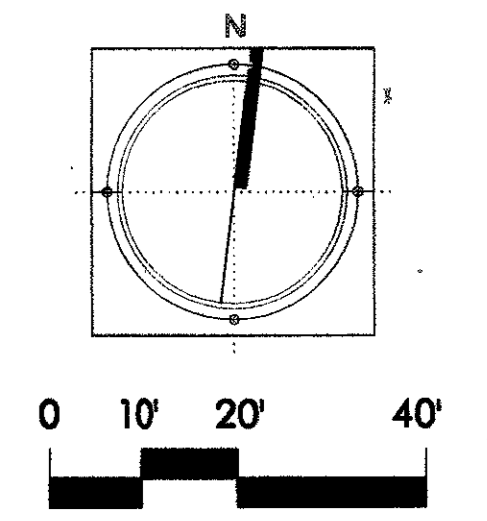
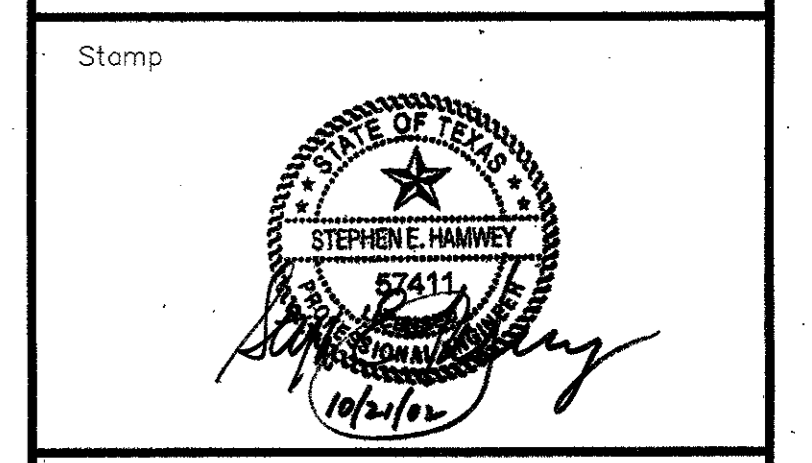
SCALE: HORIZONTAL: 1" = 40'-0"  
 VERTICAL: 1" = 4'-0"



1 TYPICAL SECTION OF FESTIVAL WAY



ADDENDUM #2	10-21-02
ISSUED FOR CONSTRUCTION	09-30-02
No. Description	Date

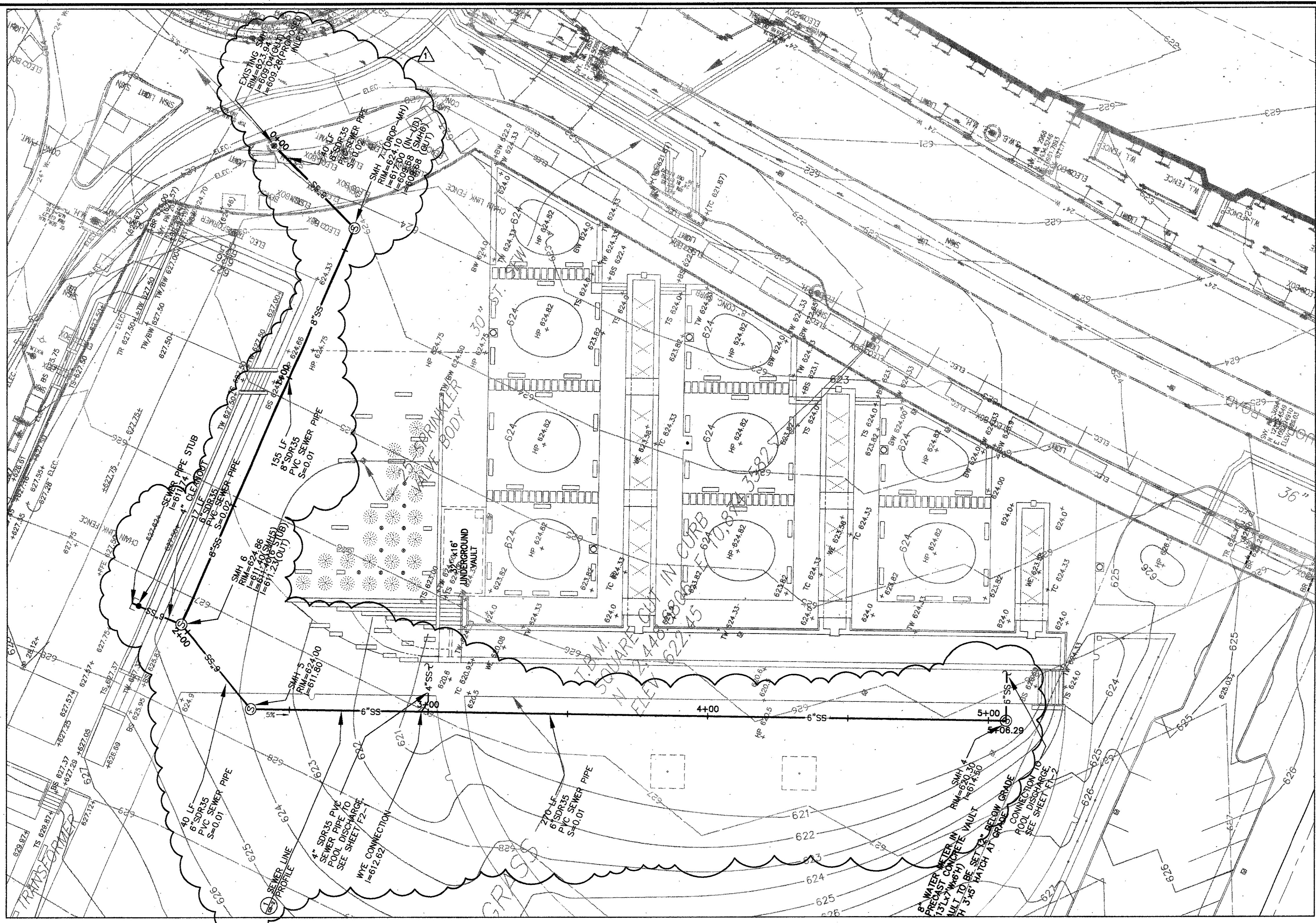


Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

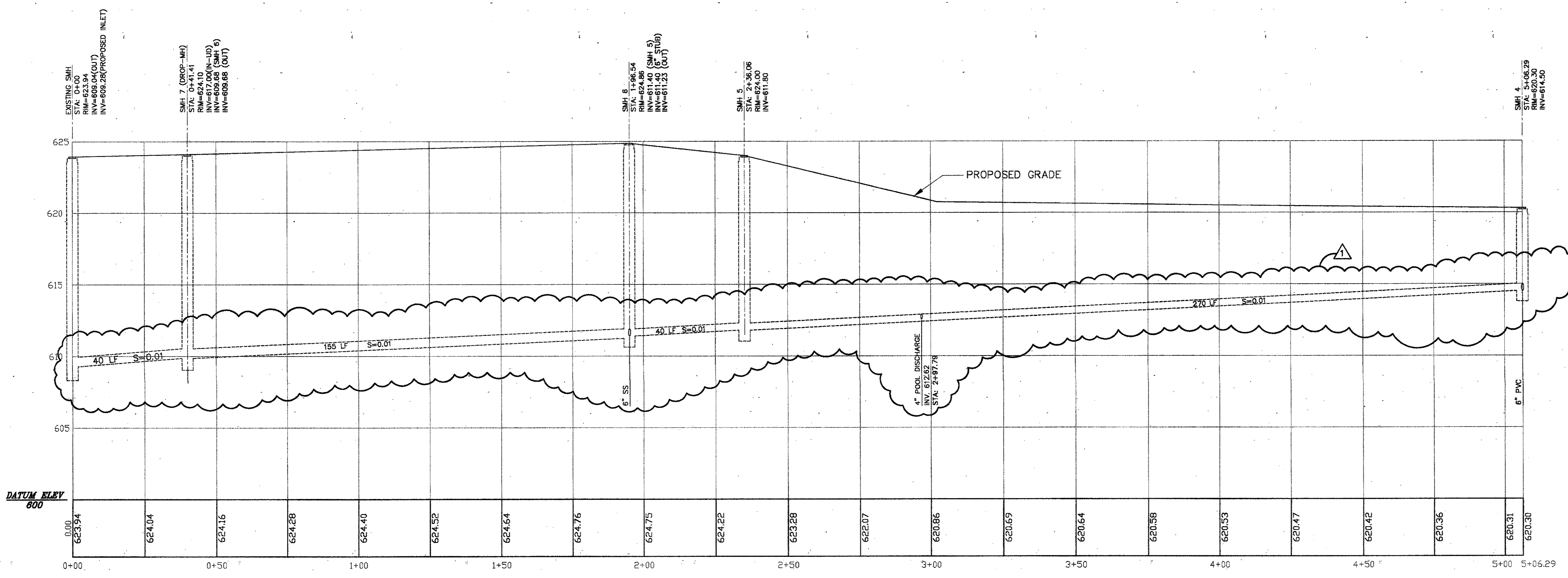
Drawing Title:  
**FESTIVAL WAY PROFILE**

Project No. 14516.00 Scale: AS NOTED  
 Drawn By: JL  
 Checked By: TC  
 Approved By: SEH  
 Date: September 30, 2002

Drawing No. **C8-1**



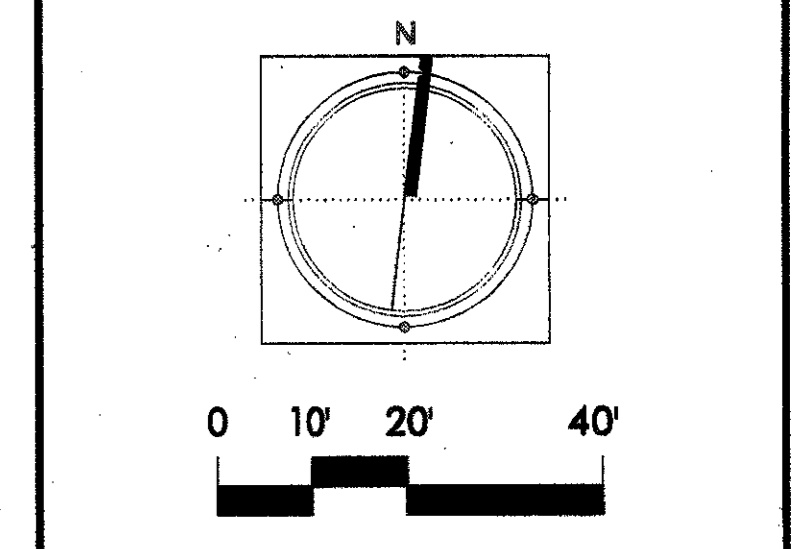
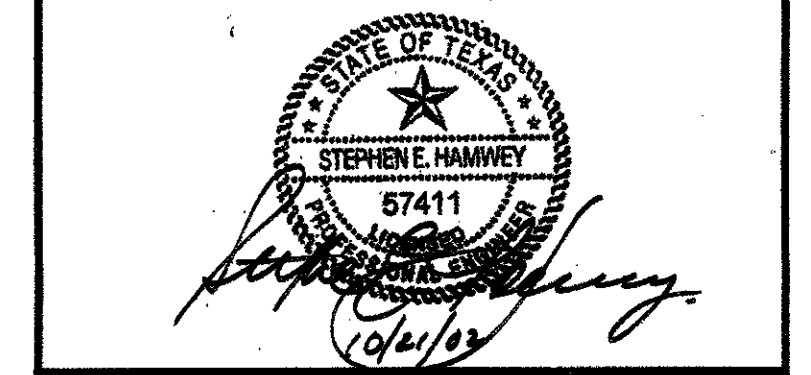
SEWER PLAN VIEW  
 SCALE: 1" = 20'-0"



SEWER PROFILE  
 SCALE: HORIZONTAL: 1" = 20'-0"  
 VERTICAL: 1" = 4'-0"

ADDENDUM #2	10-21-02	
ISSUED FOR CONSTRUCTION	09-30-02	
No.	Description	Date

DWG ISSUE & REVISION HISTORY



Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

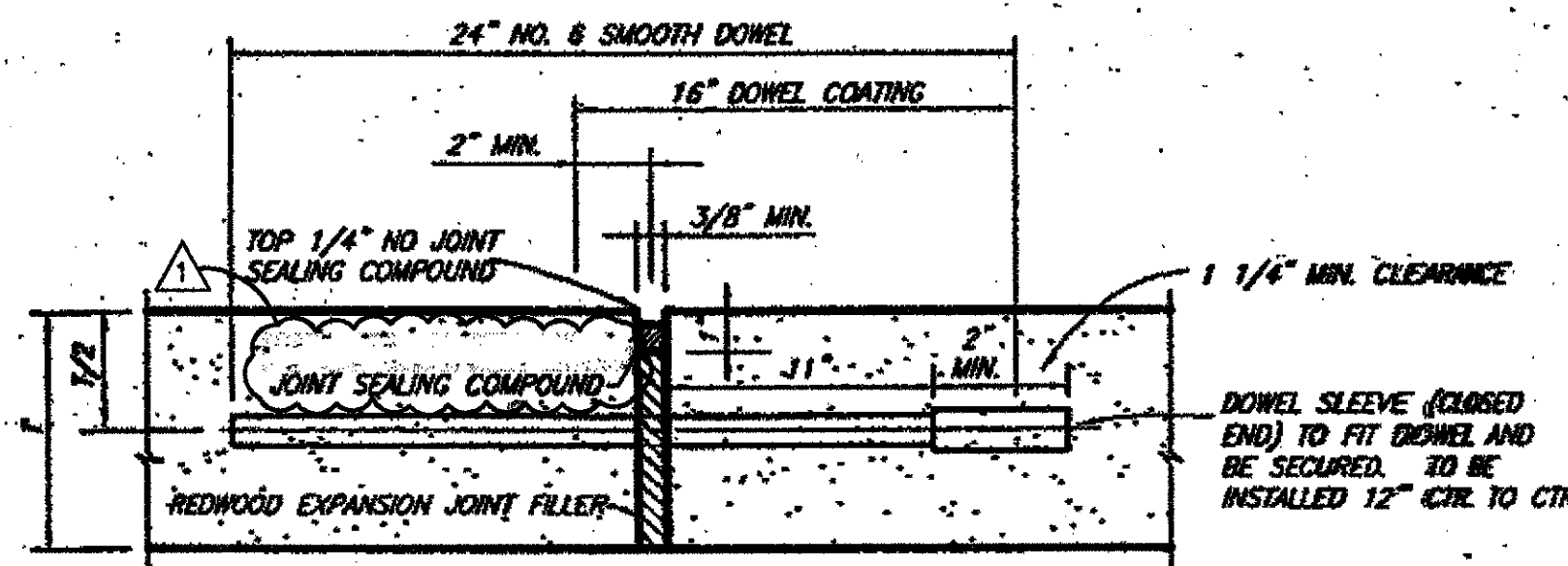
Drawing Title:  
**SEWER PROFILE**

Project No. 14516.00 Scale: AS NOTED  
 Drawn By: JL  
 Checked By: TC  
 Approved By: SEH  
 Date: September 30, 2002

Drawing No. **C8-2**

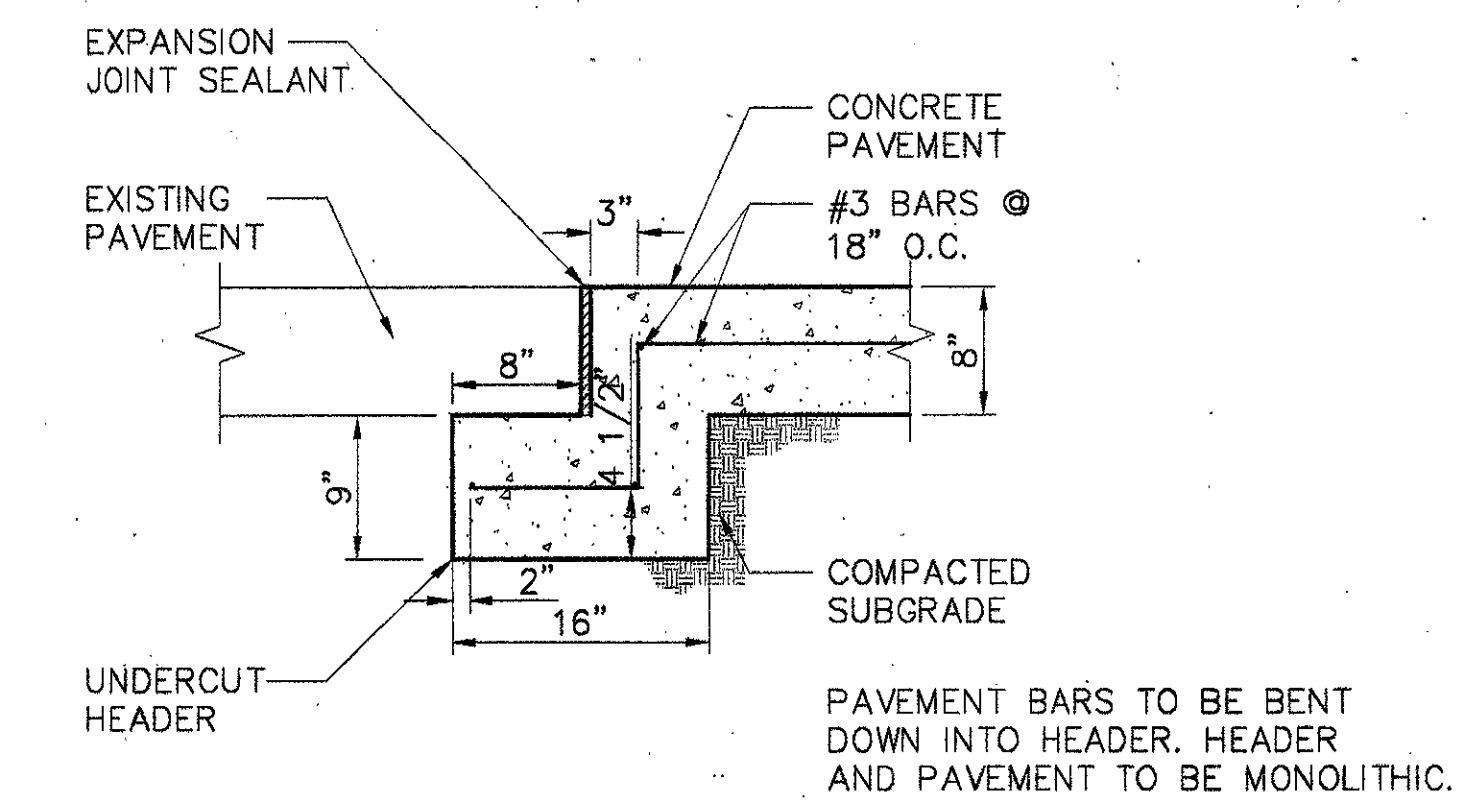
**PAVING NOTES:**

1. CONCRETE FOR ALL STREETS SHALL BE IN ACCORDANCE WITH NCTCDG CLASS "A" CONCRETE (4,000 P.S.I. COMPRESSIVE STRENGTH @ 28 DAYS).
2. REINFORCING STEEL SHALL BE DEFORMED BARS NO. 3, 18 INCHES ON CENTER, OR BARS NO. 4, 24 INCHES ON CENTER. REINFORCING SHALL BE IN BOTH DIRECTIONS ON CENTER. REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM 615, 616 AND 617.
3. ALL REINFORCING STEEL SHALL BE TIED (100%). STEEL SHALL BE SET ON PLASTIC CHAIRS. BAR LAPS ARE TO BE MINIMUM 30 DIAMETER.
4. EXPANSION JOINTS SHALL BE SPACED EVERY 200 FEET AND AT ALL INTERSECTIONS.
5. SAWED TRANSVERSE DUMMY JOINTS SHALL BE SPACED EVERY 20 FEET ON PAVING 8 INCHES OR THICKER AND EVERY 15 FEET FOR PAVING THICKNESS LESS THAN 8 INCHES. SAWING SHALL OCCUR WITHIN 5 TO 12 HOURS AFTER THE POUR INCLUDING SEALING (SILICON SEALANT). OTHERWISE THE SECTION SHALL BE REMOVED AND LONGITUDINAL BUTT JOINT CONSTRUCTED.
6. LIME TRIMMINGS ARE NOT ACCEPTABLE TO ANY USE.
7. ALL FILL SHALL BE COMPACTED BY MECHANICAL METHODS. MAXIMUM LOOSE LIFT FOR COMPACTION SHALL BE 8 INCHES. ALL LIFTS SHALL BE TESTED FOR DENSITY BY AN INDEPENDENT LABORATORY APPROVED BY THE CITY. DENSITY REQUIREMENT SHALL BE AS SHOWN ON THE PLANS FOR THE TYPE OF MATERIAL CALLED FOR IN THE PLANS.
8. ALL DISTURBED AREAS OF ROADWAY WORK SHALL RESTORE GRASS AT COMPLETION OF PROJECT. GRASS SHALL MEET THE REQUIREMENT OF ITEM 3.8, 3.9, 3.10 & 3.11 OF NCTCDG.
9. ALL AREA TO BE EXCAVATED OR FILLED SHALL HAVE EROSION CONTROL PLACED PRIOR TO COMMENCING EARTHWORK. EROSION CONTROL DEVICES SHALL BE MAINTAINED THROUGHOUT THE PROJECT IN ACCORDANCE WITH NCTCDG ITEM 3.12.
10. SIDEWALK SHALL BE DOWELED TO PAVEMENT WHERE IT ABUTS DRIVEWAY, AND EXPANSION JOINT MATERIAL SHALL BE USED AT THESE LOCATIONS.
11. NO VEHICLES SHALL BE PERMITTED ON CONCRETE PAVEMENT WITHOUT APPROVAL FROM THE CITY. THE CITY WILL MAKE DETERMINATION BASED ON CONCRETE BREAK REPORT.

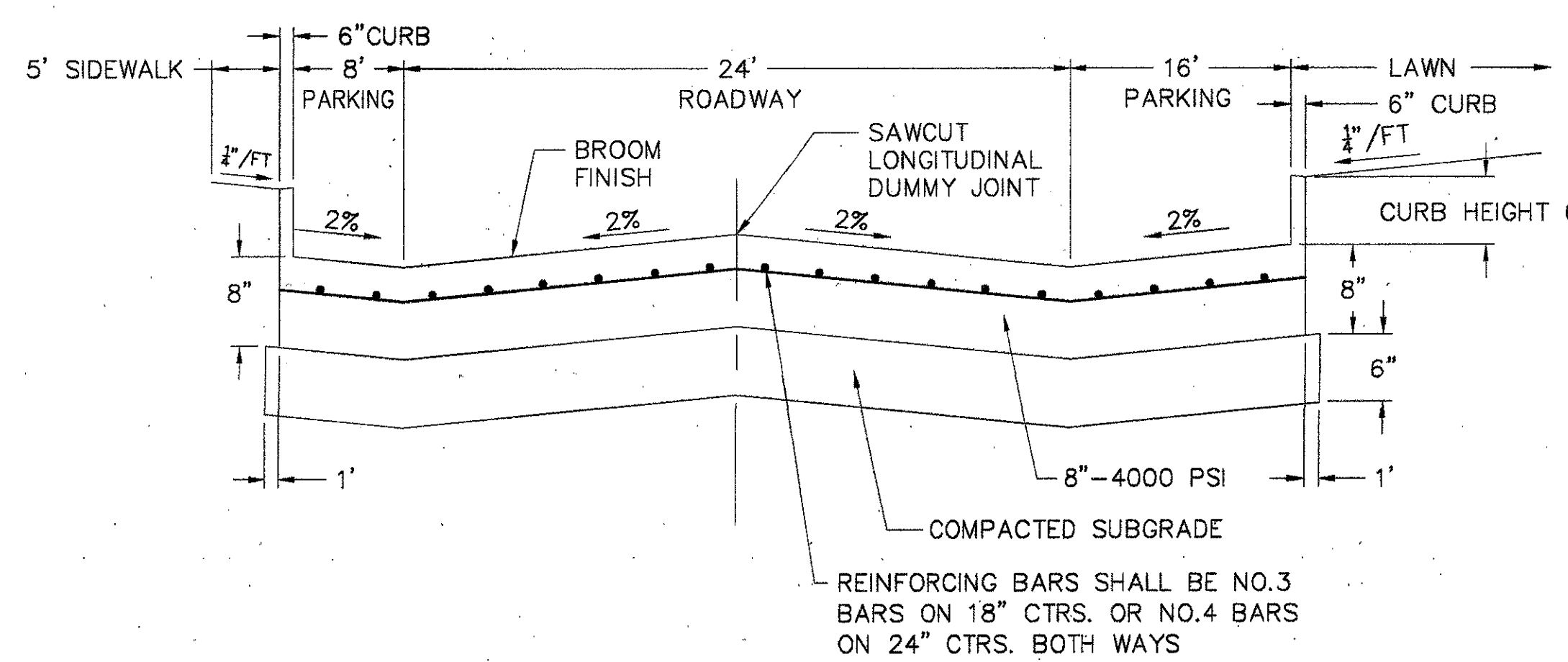


- TRANSVERSE EXPANSION JOINT NOTES:**
1. DOWELS AND REINFORCING BARS SHALL BE SUPPORTED BY AN APPROVED DEVICE.
  2. TRANSVERSE EXPANSION JOINTS SHALL BE SPACED AT 400 FT. MAXIMUM AND AT ALL INTERSECTIONS.

1 TRANSVERSE EXPANSION JOINT



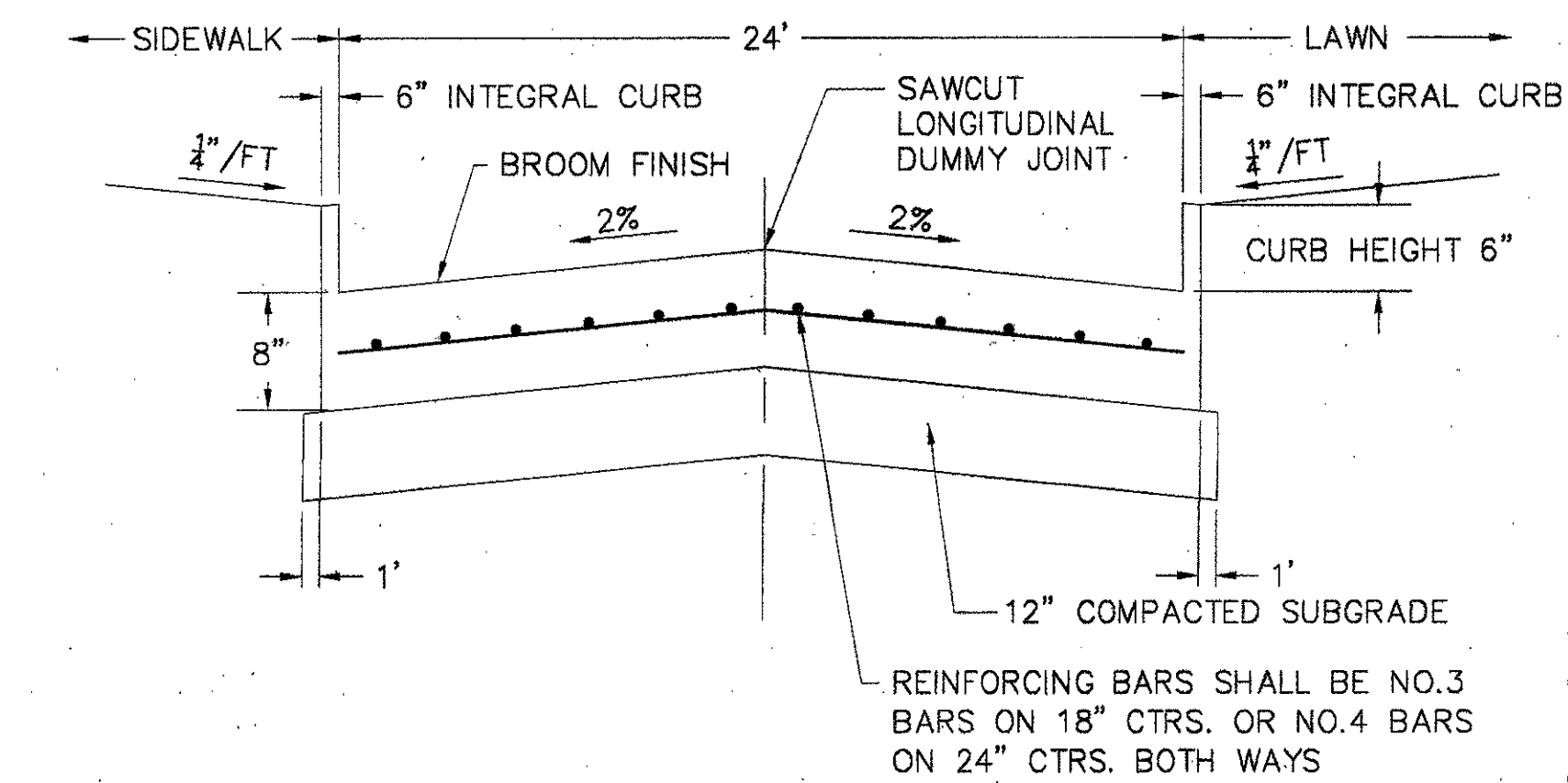
2 ROADWAY PAVEMENT UNDERCUT HEADER SECTION  
SCALE: NTS



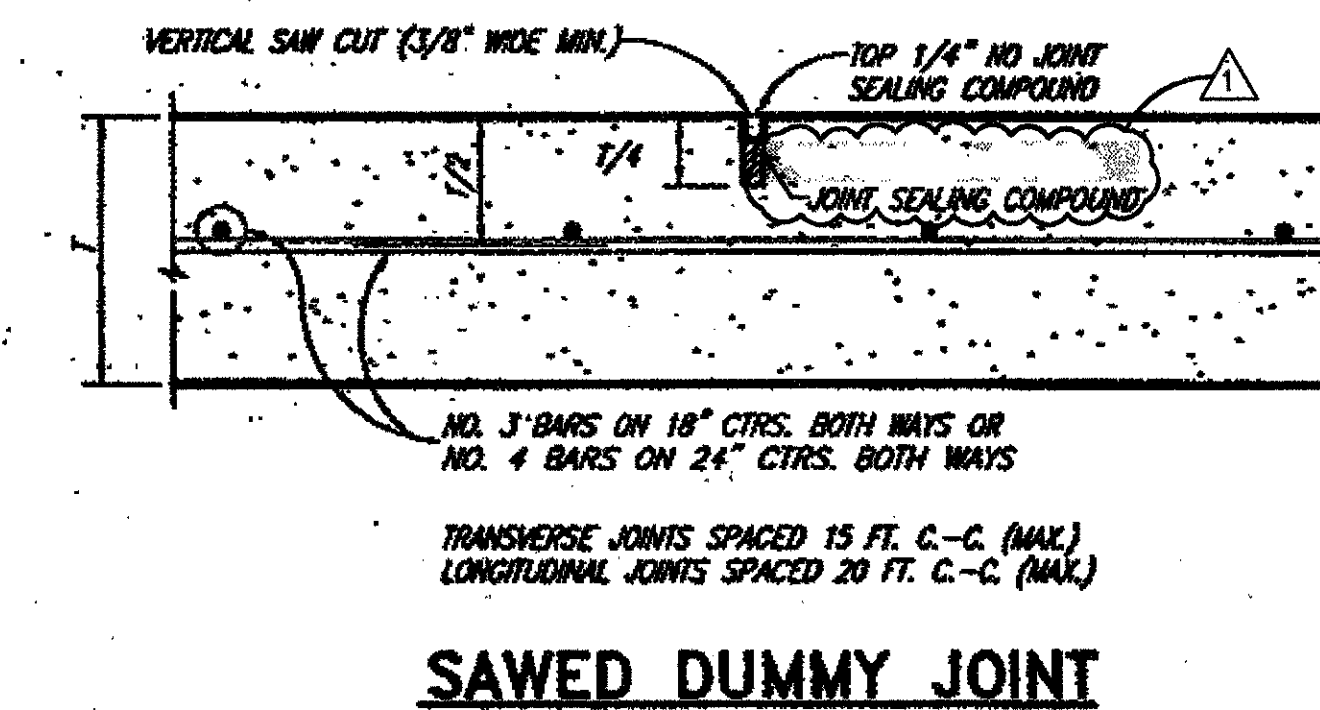
**STANDARD SPECIFICATIONS:**

- A. REINFORCED CONCRETE PAVEMENTS
1. ALL CURBS SHALL BE PLACED INTEGRAL WITH PAVEMENT.
  2. CURBS SHALL MEET THE SAME COMPRESSIVE STRENGTH AS SPECIFIED FOR THE CONCRETE PAVEMENT.
  3. BAR CHAIRS OR AN APPROVED SUPPORTING DEVICE SHALL BE FURNISHED.
- B. CROSS SLOPE SHALL BE 1/4 PER FOOT UNLESS APPROVED BY ENGINEER

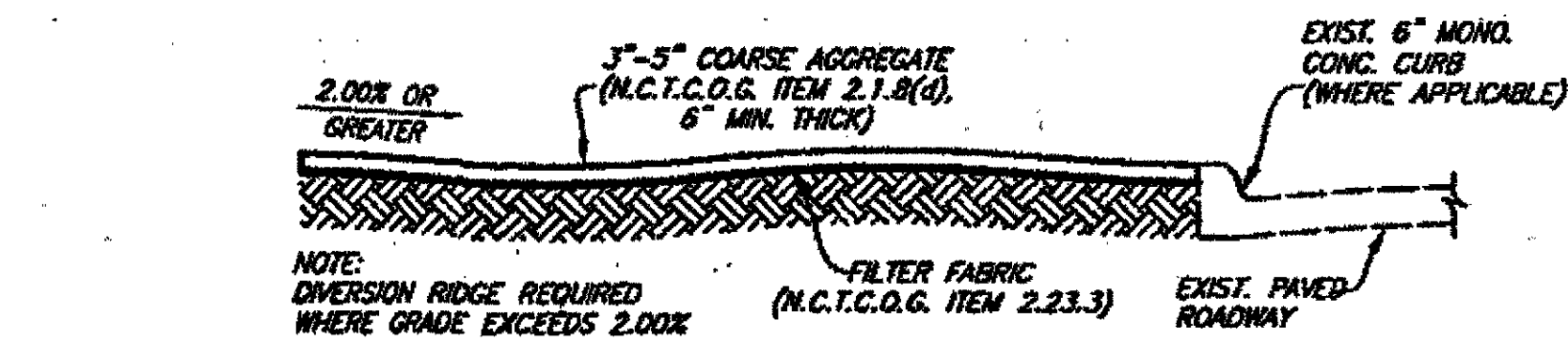
3 TYPICAL CROSS SECTION OF FESTIVAL WAY (A-A)  
SCALE: NTS



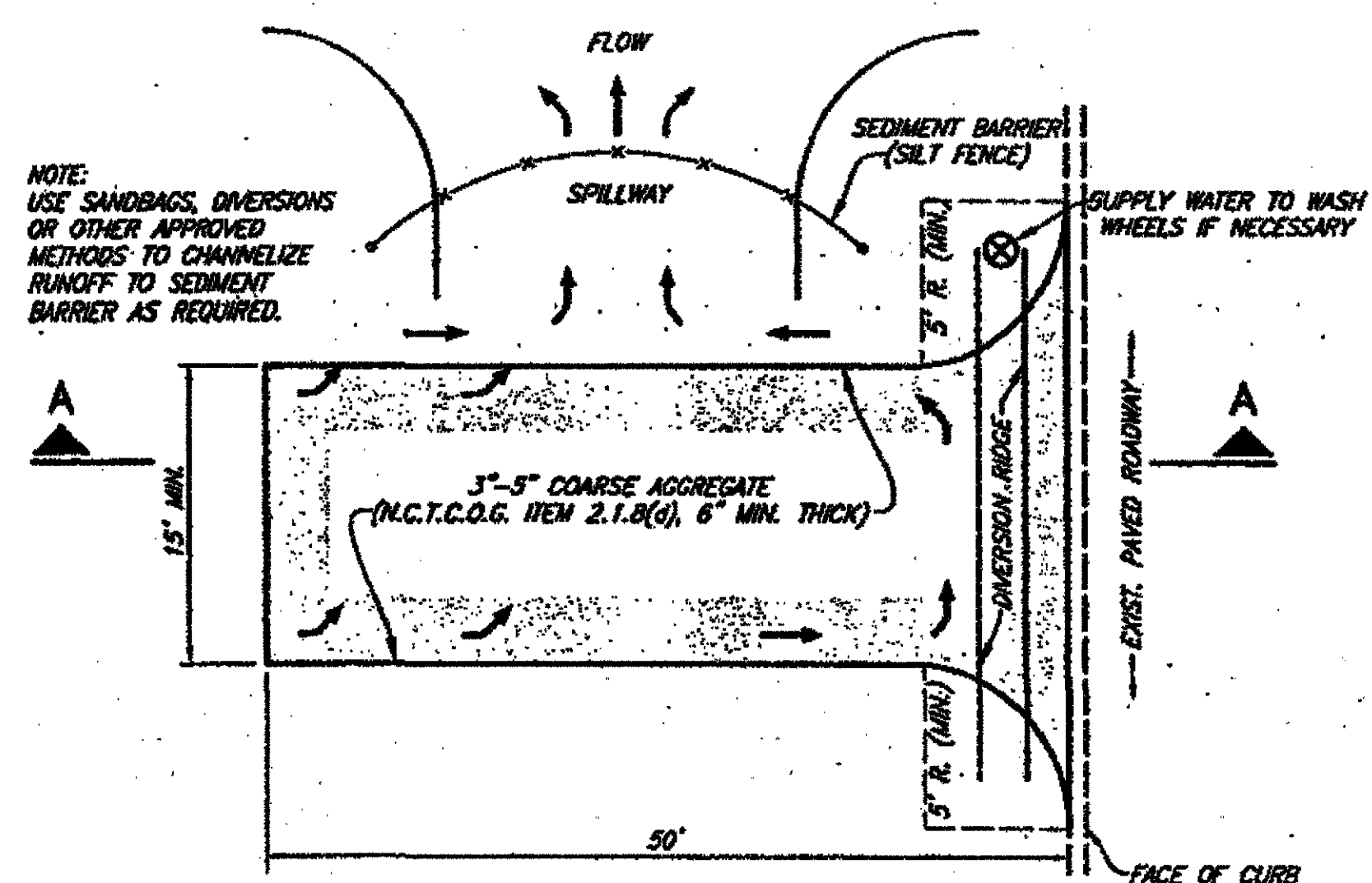
4 TYPICAL CROSS SECTION OF FESTIVAL WAY (B-B)  
SCALE: NTS



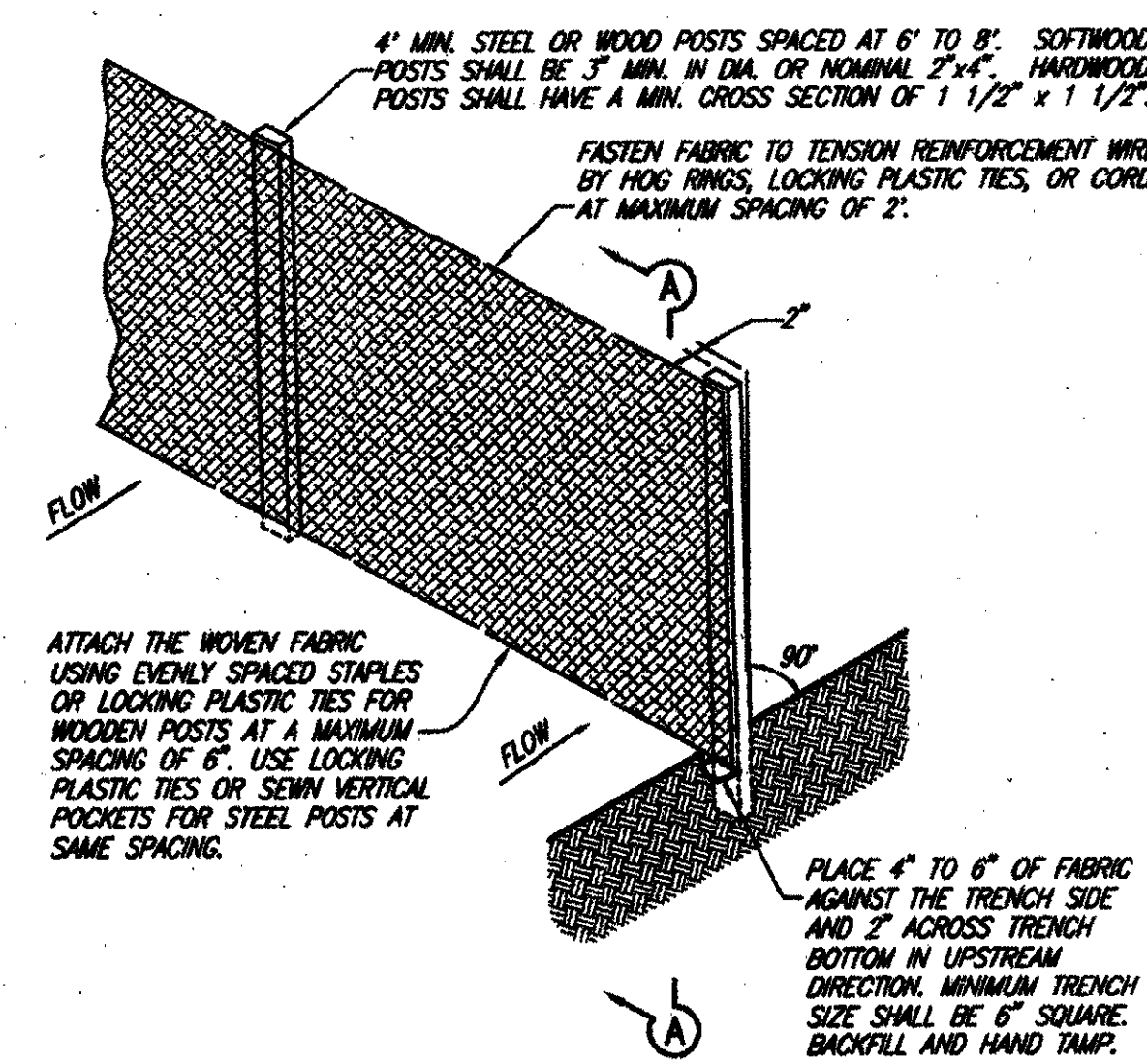
SAWED DUMMY JOINT



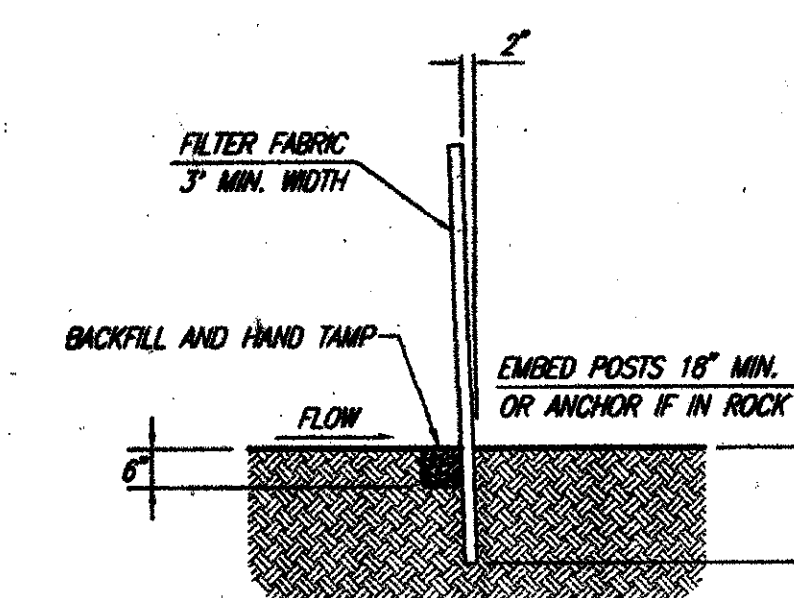
SECTION A-A



PLAN  
CONSTRUCTION ENTRANCE ROAD  
FOR EROSION CONTROL  
NO SCALE



5 SILT FENCE ALTERNATE  
NO SCALE

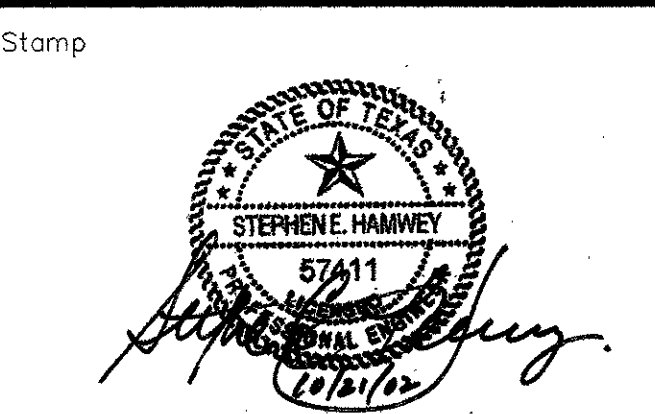


SECTION A-A  
NO SCALE

**EROSION CONTROL ALTERNATES**

ADDENDUM #2	10-21-02
ISSUED FOR CONSTRUCTION	09-30-02
No. Description	Date

DWG. ISSUE & REVISION HISTORY



Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
ADDISON, TEXAS

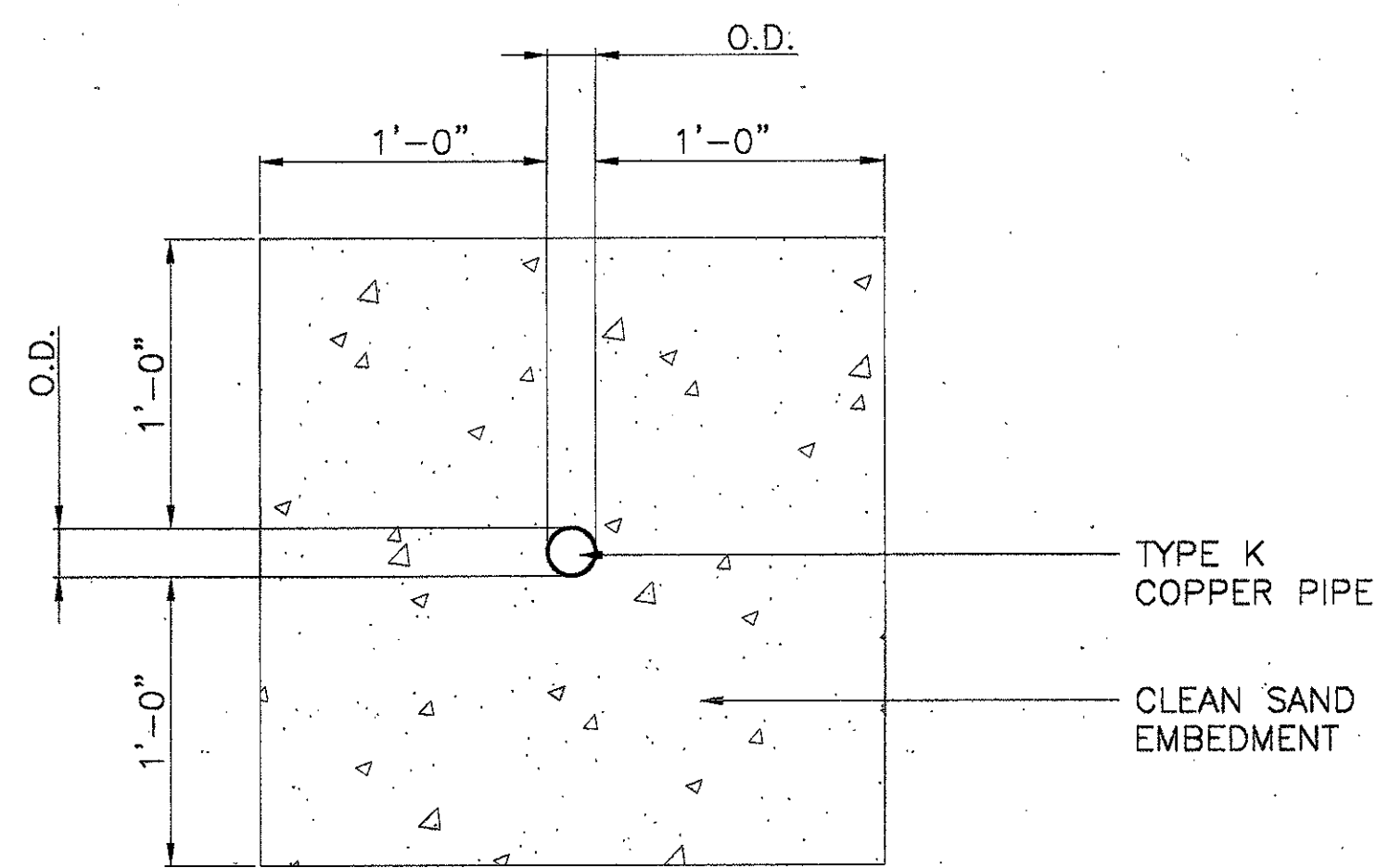
Drawing Title:  
**SITE DETAILS**  
ROADWAY PAVING

Project No. 14516.00 Scale: AS NOTED  
Drawn By: SJM  
Checked By: TC  
Approved By: SEH  
Date: September 30, 2002

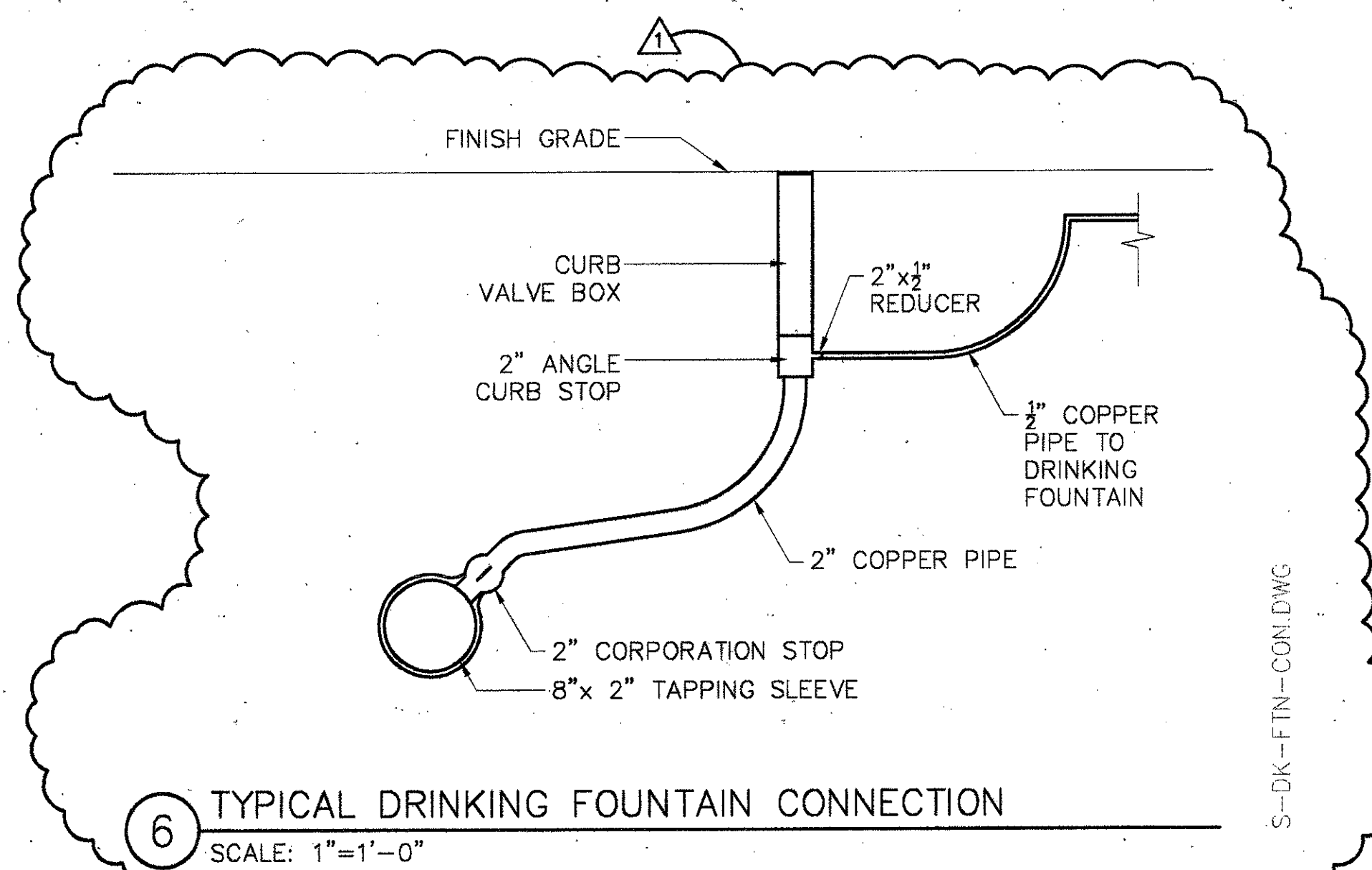
Drawing No. **C8-3**

**WATER NOTES:**

- ALL WATER LINE CROSSINGS OF SANITARY SEWER LINES SHALL BE AS SHOWN IN THE PLANS AND MEET TNRC REQUIREMENTS.
- PIPES 12 INCHES IN DIAMETER SHALL BE C909 PVC. ALL D.I.P. FITTINGS SHALL BE WRAPPED WITH AN 8MM POLYETHYLENE LINER.
- ALL VALVES ON PIPE 12 INCHES AND SMALLER SHALL BE RESILIENT SEALED WEDGE VALVE (AWWA C509).
- EMBEDMENT SHALL BE AS SHOWN ON THE PLANS. BACKFILL WITHIN THE LIMITS OF EXISTING AND PROPOSED PAVEMENT SHALL BE COMPACTED TO 95% STANDARD PROCTOR. OUTSIDE PAVEMENT (EXISTING OR PROPOSED) SHALL BE COMPACTED TO MINIMUM OF 90% STANDARD PROCTOR. ALL COMPACTION SHALL BE BY MECHANICAL METHODS.
- WATER LINES SHALL BE PRESSURE TESTED IN ACCORDANCE WITH NCTCOG ITEM 6.7.3.
- ALL HORIZONTAL AND VERTICAL BENDS SHALL BE BLOCKED AND RESTRAINING GLANDS SHALL BE ADDED TO ALL M.J.'S.
- AT WHERE GRANULAR MATERIAL IS USED FOR EMBEDMENT, IN UTILITY TRENCHED, A CLAY PLUG IS RECOMMEND AS A REPLACEMENT FOR THE GRANULAR EMBEDMENT, AT THE LOCATION WHERE THE CITY LINE IS LOCATED, AT THE LOCATION WHERE THE UTILITY ENTERS THE STRUCTURE AND AT OTHER CONNECTIONS. THE INTENT IS TO STOP ANY FREE MOISTURE FROM PASSING THROUGH THE GRANULAR EMBEDMENT AND ENTERING THE SOIL BENEATH THE STRUCTURE.



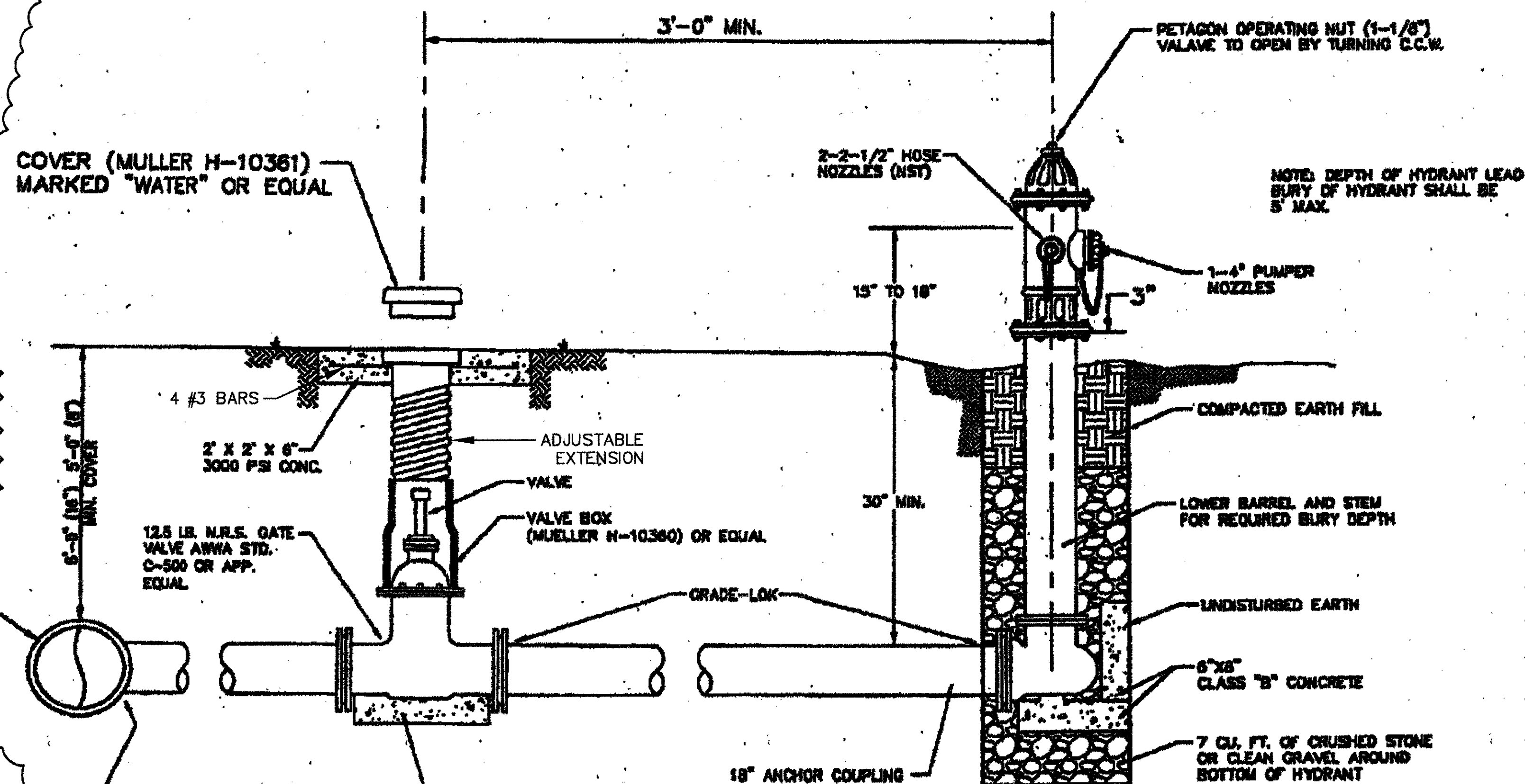
3 TYPICAL COPPER PIPE EMBEDMENT DETAIL  
NTS



6 TYPICAL DRINKING FOUNTAIN CONNECTION  
SCALE: 1"=1'-0"

**WATER VALVE NOTES:**

- 4" TO 12" GATE VALVE SHALL BE RESILIENT SEALED WEDGE GATE VALVES IN ACCORDANCE WITH AWWA STANDARD C-509.
- VALVE BOXES SHALL BE CAST IRON AND SHALL BE OF SUFFICIENT LENGTH AND DIAMETER TO OPERATE ALL VALVES BURIED IN THE GROUND. COVERS SHALL BE MARKED "WATER". THE BOXES SHALL REST ON THE VALVE AND BE ADJUSTED SO THAT THE COVER MAY BE SET FLUSH WITH THE FINISHED GRADE.
- VALVE SHALL BE OF DUCTILE IRON WITH RUBBER ENCAPSULATED DISK. BODY BOLT SHALL BE STAINLESS STEEL OF SAME SIZE ON EACH VALVE.
- ALL VALVES SHALL BE "MUELLER" OR APPROVED EQUAL.

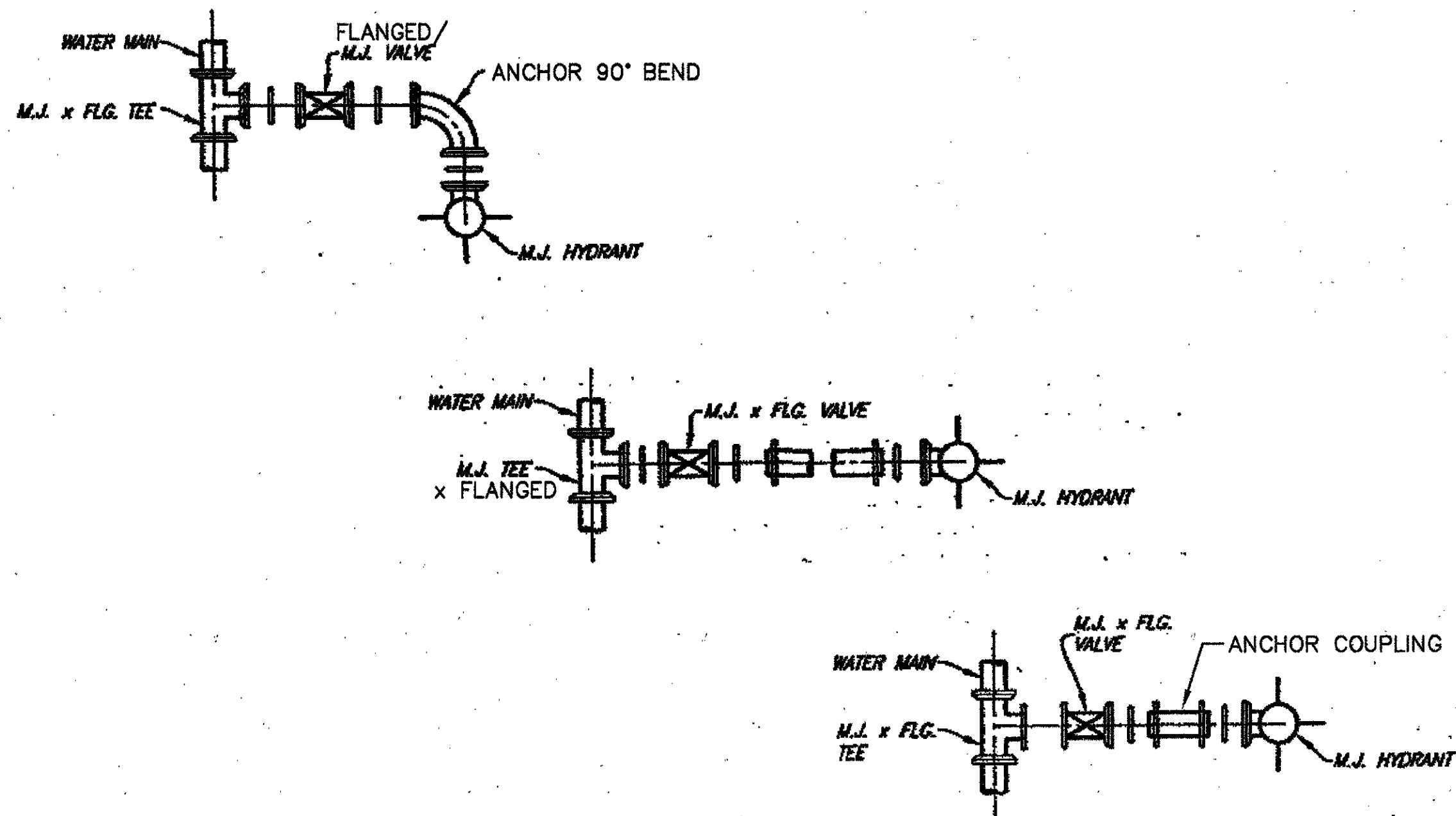


4 VALVE BOX DETAIL  
N.T.S.

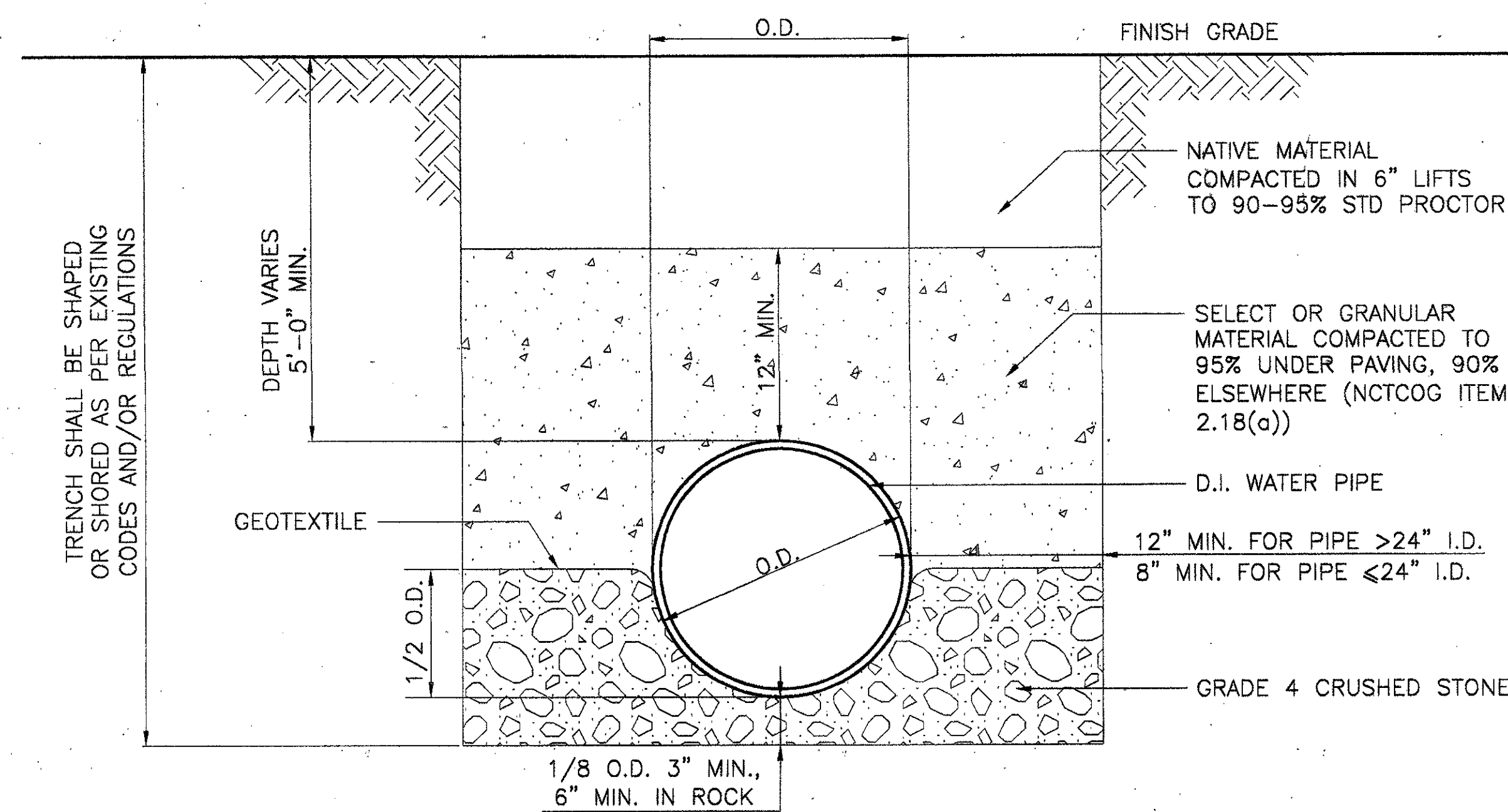
5 FIRE HYDRANT INSTALLATION  
N.T.S.

**FIRE HYDRANT NOTES:**

- THE MUELLER "CENTURIAN" OR EQUAL.
- ALL FIRE HYDRANTS SHALL CONFORM TO AWWA STANDARD SPECIFICATIONS FOR FIRE HYDRANTS, FOR ORDINARY WATER WORKS SERVICE, FOR WATER AND SANITARY SEWER IMPROVEMENTS. FIRE HYDRANTS SHALL HAVE A BARREL APPROXIMATELY 7" INSIDE DIAMETER. ALL HYDRANTS SHALL BE EQUIPPED WITH A BREAKAWAY FLANGE. ALL HYDRANTS SHALL BE APPROVED BY THE CITY.

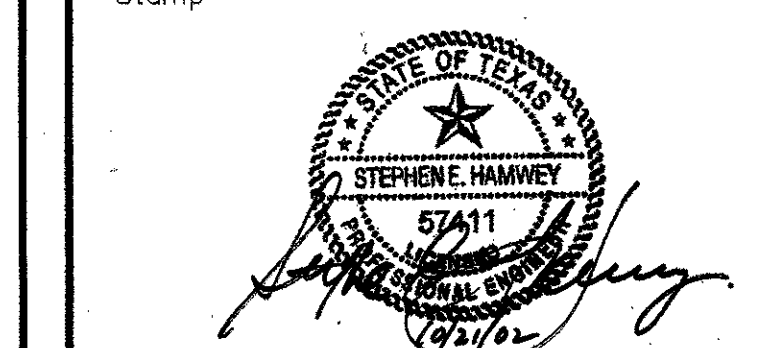


1 TYPICAL WATER/SEWER CROSSING  
N.T.S.



2 WATER PIPE TRENCH (CLASS B+ EMBEDMENT FOR PVC PIPE)  
NTS

ADDENDUM #2	10-21-02
ISSUED FOR CONSTRUCTION	09-30-02
No. Description	Date
DWG ISSUE & REVISION HISTORY	

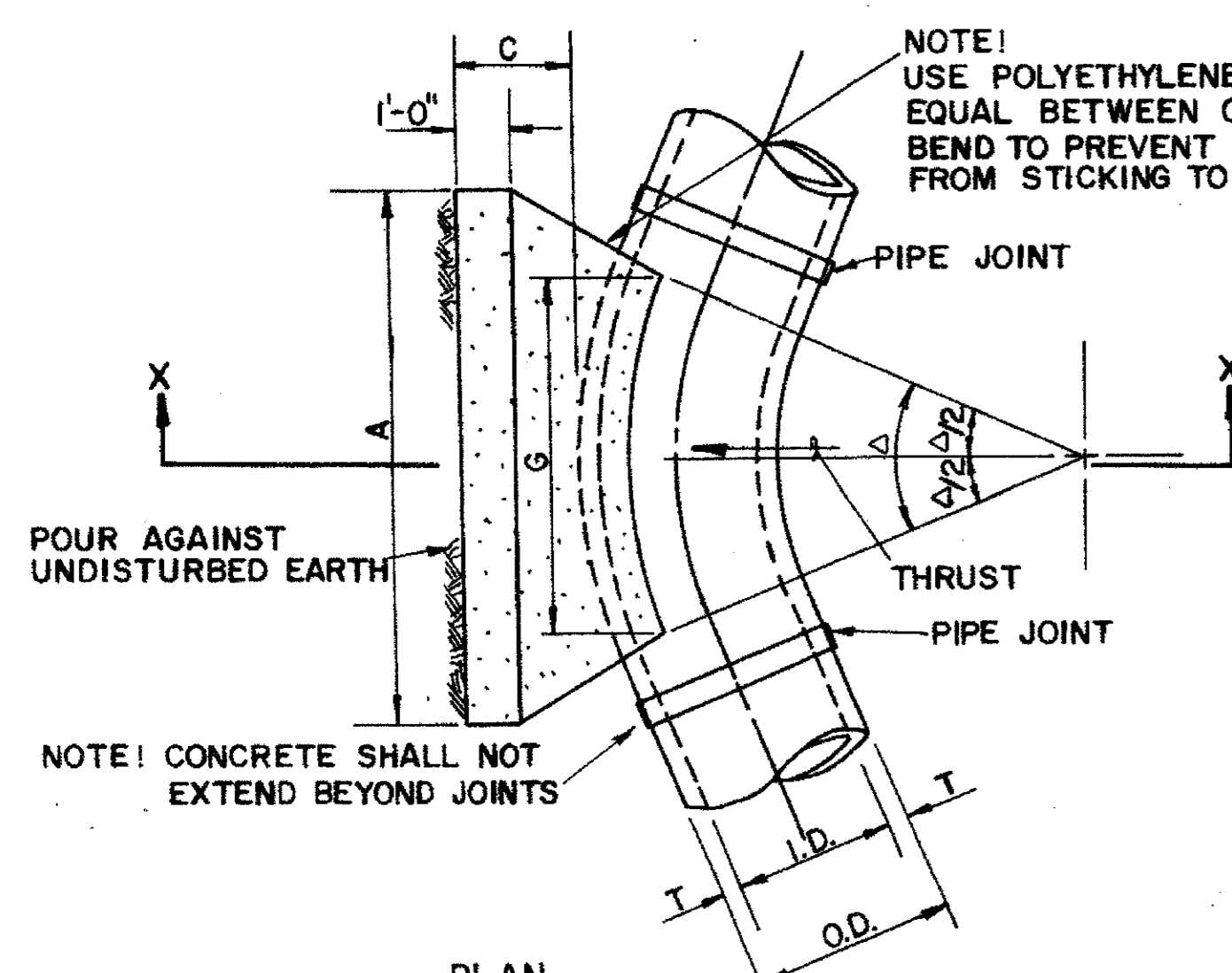


Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
ADDISON, TEXAS

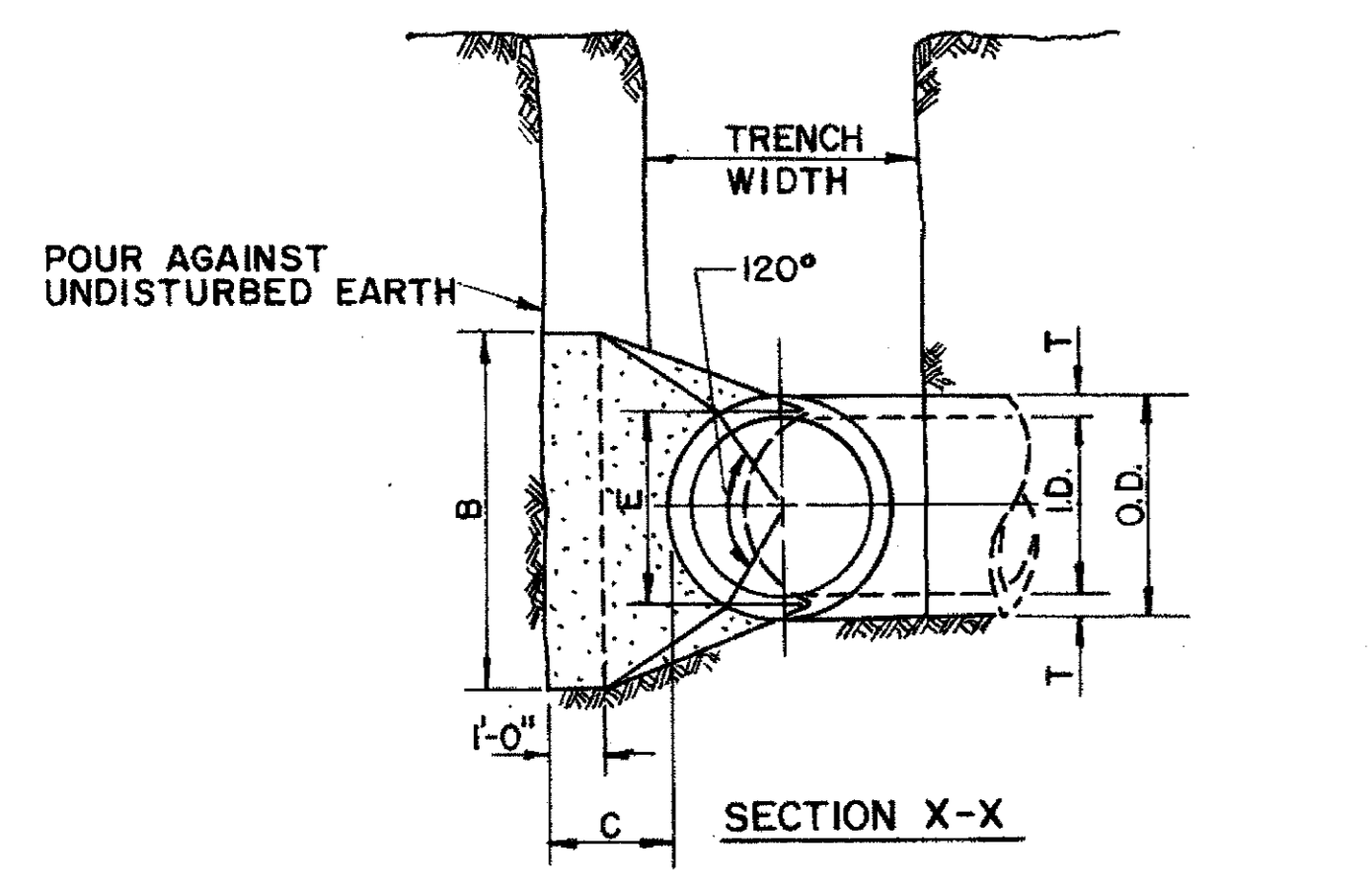
Drawing Title:  
**SITE DETAILS**  
WATER

Project No. 14516.00 Scale: AS NOTED  
Drawn By: SJM  
Checked By: TC  
Approved By: SEH  
Date: September 30, 2002

Drawing No. **C8-4**

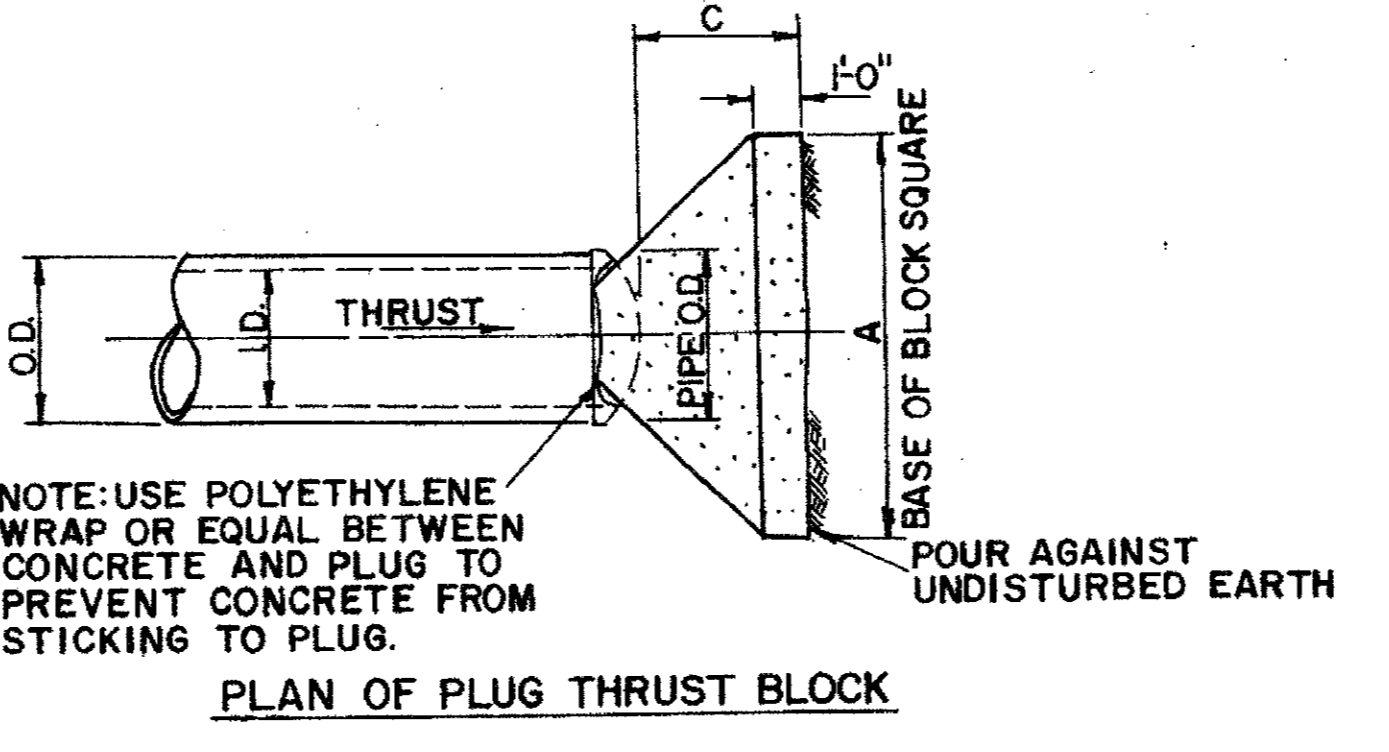
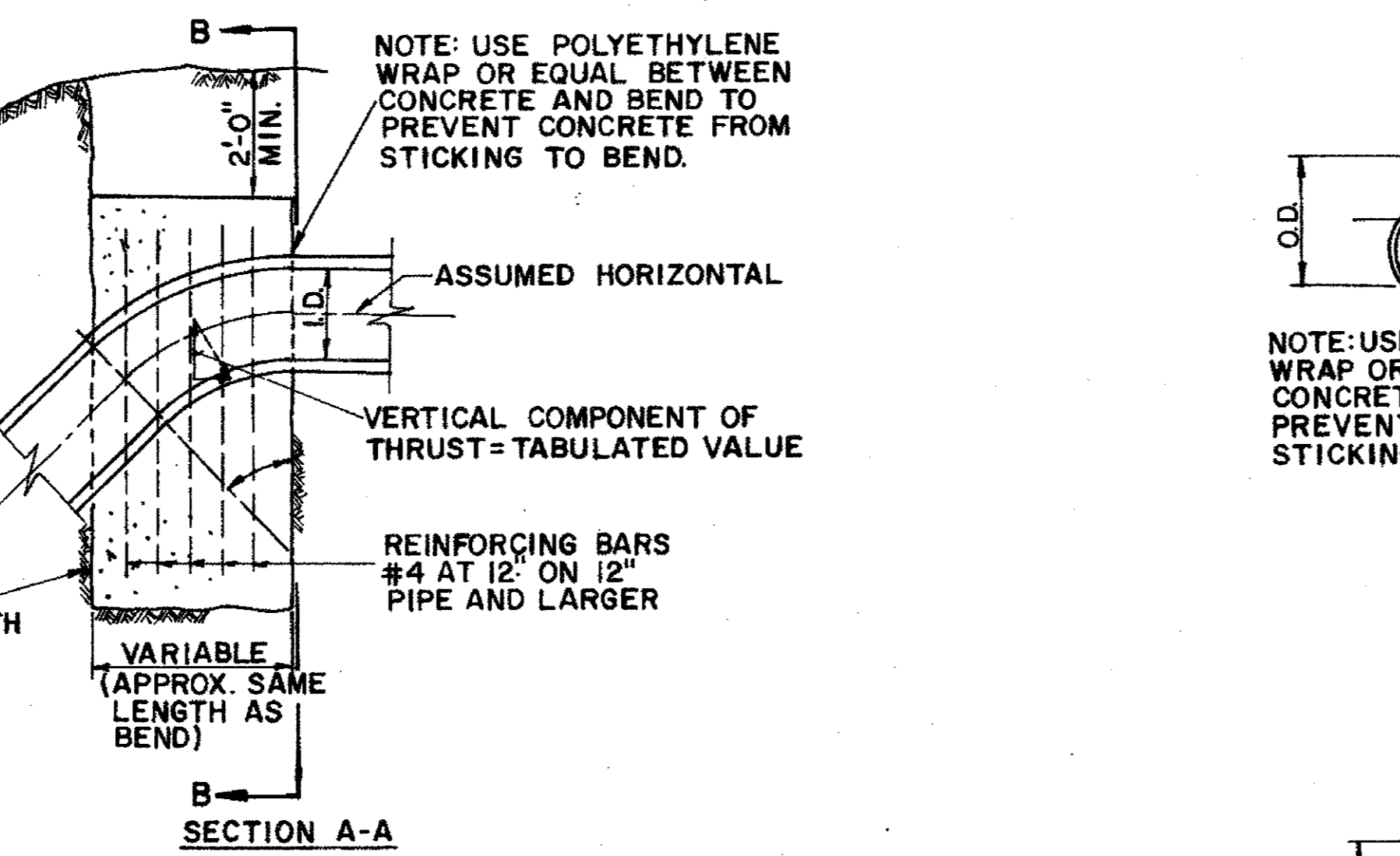
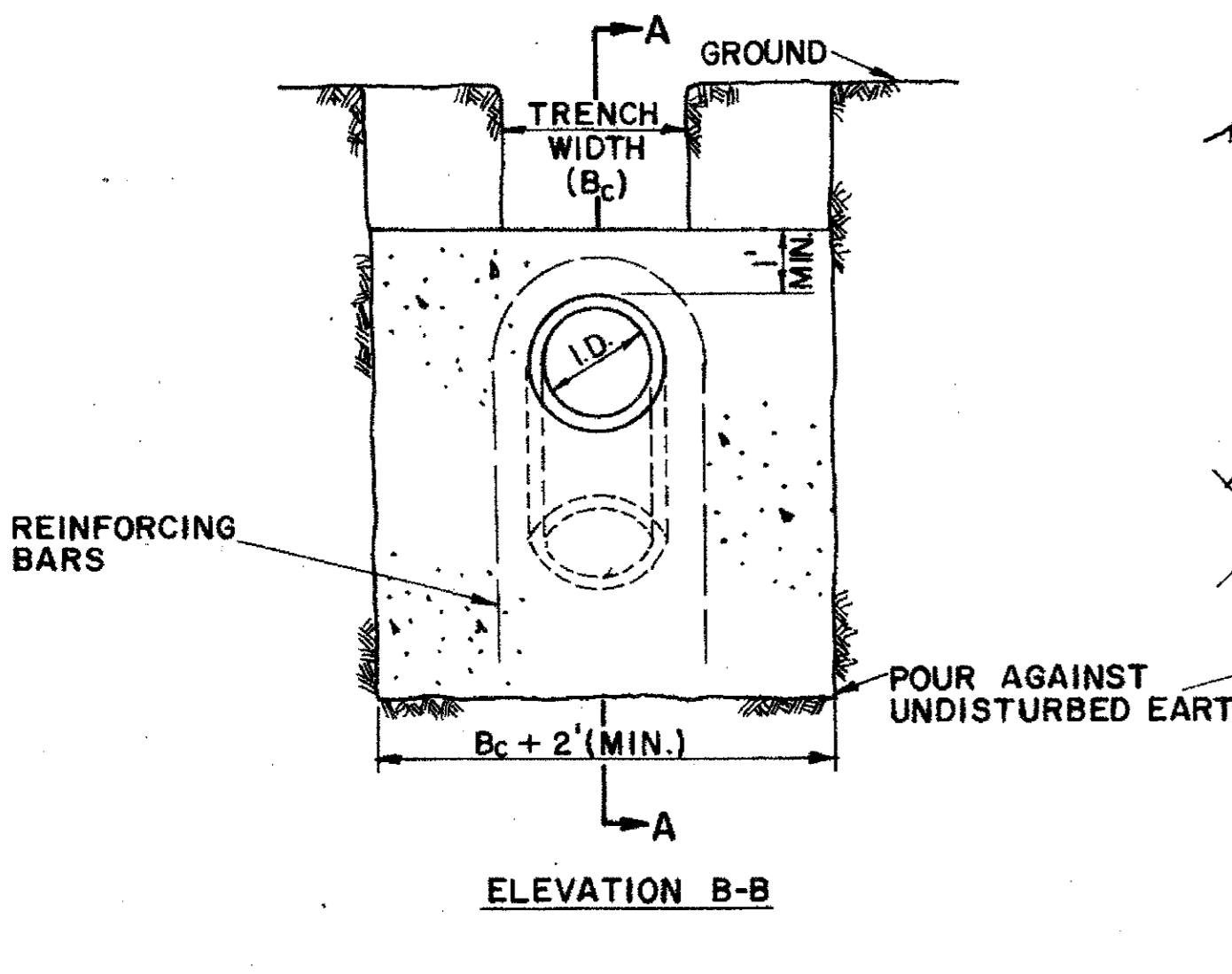


I.D. (IN.)	T (IN.)	11.25°		22.50°		E (FT.)
		C (FT.)	G (FT.)	C (FT.)	G (FT.)	
4.6, 8	0.4	1.5	1.5	1.5	0.9	
10, 12	0.5	1.5	1.5	1.5	1.2	
16, 18	0.6	1.5	1.5	1.5	1.6	
20	0.7	1.5	1.5	1.5	1.8	
24	0.9	1.5	1.5	1.5	2.1	
30	2.9	1.5	1.9	2.1	2.6	
36	4.5	1.5	2.3	3.3	3.6	
42	5.0	1.8	2.6	3.8	4.2	
48	5.5	2.0	3.0	4.3	4.8	
54	6.0	2.3	3.4	4.8	5.4	
60	6.5	2.5	3.8	5.3	6.0	
66	6.8	2.8	4.1	5.7	6.6	
72	7.5	3.0	4.5	6.3	7.2	
78	7.5	3.3	4.9	6.7	7.8	
84	8.0	3.5	5.3	7.2	8.4	
90	8.5	3.8	5.6	7.7	9.0	
96	9.0	4.0	6.0	8.2	9.6	



I.D. (IN.)	G (FT.)	THRUST (TONS)	EARTH		ROCK		I.D. (IN.)	G (FT.)	THRUST (TONS)	EARTH		ROCK					
			A (FT.)	B (FT.)	A (FT.)	B (FT.)				A (FT.)	B (FT.)	A (FT.)	B (FT.)				
4.6, 8	0.4	1.0	1.0	1.5	0.1	1.0	1.0	0.1	4.6, 8	0.8	2.0	1.5	0.1	1.0	1.0	0.1	
10, 12	0.6	2.2	1.5	1.5	0.1	1.0	1.5	0.1	10, 12	1.1	4.4	2.0	2.5	0.3	1.5	1.5	0.1
16, 18	0.8	5.0	2.0	2.5	0.3	1.5	2.0	0.2	16, 18	1.8	9.9	3.0	3.5	0.7	2.0	3.5	0.4
20	0.9	6.2	2.0	3.5	0.4	1.5	3.0	0.3	20	1.8	12.3	3.5	3.5	0.7	2.0	3.5	0.4
24	1.1	8.9	3.0	3.0	0.5	1.5	3.0	0.3	24	2.2	17.7	4.0	4.5	1.0	3.0	3.0	0.5
30	1.4	10.4	3.0	3.5	0.6	2.0	3.5	0.4	30	2.7	20.7	5.0	4.5	1.5	3.0	4.0	0.8
36	1.7	15.0	3.5	4.5	0.9	2.0	4.0	0.5	36	3.3	29.8	5.5	5.5	2.3	4.0	4.0	1.3
42	1.9	20.4	4.5	5.0	1.5	2.5	5.0	0.8	42	3.8	40.5	7.0	6.0	3.9	4.5	5.0	2.1
48	2.2	26.6	4.5	6.0	2.0	2.5	6.0	1.1	48	4.4	52.9	8.0	7.0	5.7	4.8	6.0	2.8
54	2.5	33.7	6.0	6.0	3.0	3.0	6.0	1.4	54	4.9	67.0	9.0	8.0	8.0	6.0	6.0	4.1
60	2.7	41.6	6.0	7.0	3.8	3.0	7.0	1.8	60	5.5	82.7	9.5	9.0	10.6	6.0	7.0	5.3
66	3.0	50.3	6.5	8.0	5.1	3.5	8.0	2.7	66	6.0	100.1	10.5	10.0	14.1	6.5	8.0	7.2
72	3.3	59.9	7.5	8.0	6.3	4.0	8.0	3.6	72	6.6	119.1	11.0	11.0	17.6	7.5	8.0	9.1
78	3.6	70.2	8.0	9.0	8.1	4.0	9.0	3.9	78	7.1	139.8	12.0	12.0	22.5	8.0	9.0	11.7
84	3.8	81.5	8.5	10.0	10.3	4.5	10.0	5.3	84	7.6	162.1	13.0	12.5	27.2	8.5	10.0	14.8
90	4.1	93.5	9.5	10.0	12.2	5.0	10.0	6.3	90	8.2	186.1	14.0	13.5	33.7	9.5	10.0	17.7
96	4.4	106.4	10.0	11.0	15.0	5.0	11.0	7.4	96	8.7	211.7	15.0	14.5	41.2	10.0	11.0	21.8

**HORIZONTAL BEND THRUST BLOCK**



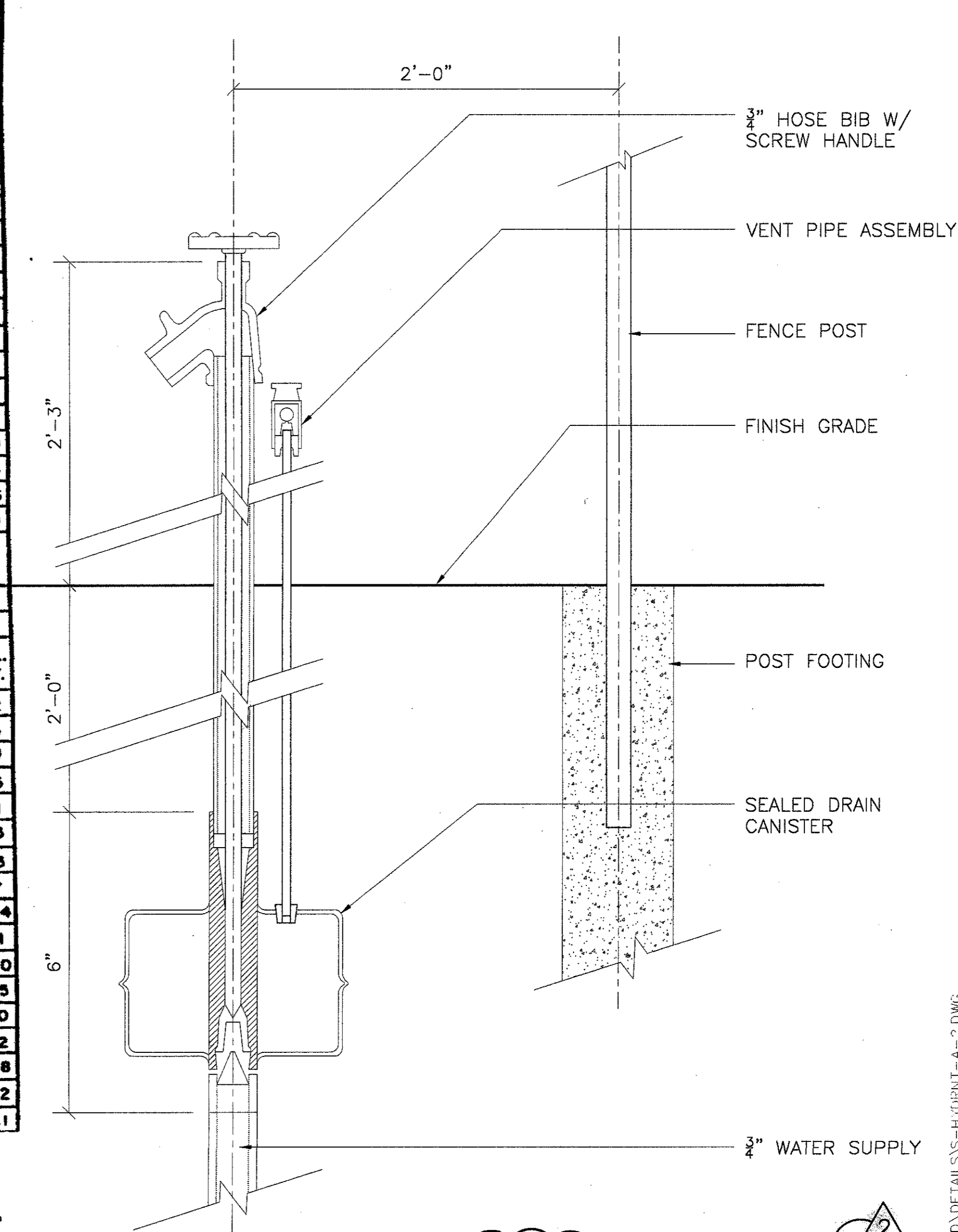
I.D. (IN.)	THRUST (TONS)	VOL. (C.Y.)	11.25°		22.50°		30°		45°		67.50°		90°		I.D. (IN.)
			THRUST (TONS)	VOL. (C.Y.)	THRUST (TONS)	VOL. (C.Y.)	THRUST (TONS)	VOL. (C.Y.)	THRUST (TONS)	VOL. (C.Y.)	THRUST (TONS)	VOL. (C.Y.)	THRUST (TONS)	VOL. (C.Y.)	
4.6, 8	1.0	0.5	2.0	1.0	2.5	1.3	3.6	1.8	4.6	2.3	5.0	2.5	4.6, 8		
10, 12	2.2	1.1	4.3	2.2	5.7	2.8	8.0	4.0	10.5	5.2	11.3	5.7	10, 12		
16, 18	5.0	2.5	9.7	4.9	12.7	6.4	18.0	9.0	23.5	11.8	25.5	12.7	16, 18		
20	6.1	3.1	12.0	6.0	15.7	7.9	22.2	11.1	29.2	14.5	31.4	15.7	20		
24	8.2	4.4	17.3	8.7	22.6	11.3	32.0	16.0	41.8	20.9	45.2	22.6	24		
30	10.5	5.2	20.3	10.1	26.5	13.3	37.5	18.8	49.0	24.5	53.1	26.5	30		
36	14.9	7.5	29.2	14.6	38.2	19.1	54.0	27.0	70.5	35.3	76.4	38.2	36		
42	20.3	10.1	39.8	19.9	52.0	26.0	73.5	36.7	96.0	48.0	104.0	52.0	42		
48	26.5	13.2	51.9	26.0	67.9	33.9	96.0	48.0	126.0	62.7	136.0	67.9	48		
54	33.5	16.8	65.7	32.9	85.9	42.9	122.0	60.7	159.0	79.4	172.0	85.9	54		
60	41.4	20.7	81.2	40.6	106.0	53.0	150.0	75.0	196.0	98.0	212.0	106.0	60		
66	50.1	25.0	98.2	49.1	128.0	64.2	182.0	90.7	237.0	119.0	257.0	128.0	66		
72	59.6	29.8	117.0	58.4	153.0	76.3	216.0	108.0	282.0	141.0	305.0	153.0	72		
78	69.9	35.0	137.0	68.6	179.0	90.0	254.0	127.0	331.0	166.0	358.0	179.0	78		
84	81.1	40.5	159.0	79.5	208.0	104.0	294.0	147.0	384.0	192.0	416.0	208.0	84		
90	93.1	46.5	183.0	91.3	239.0	119.0	337.0	169.0	441.0	221.0	477.0	239.0	90		
96	106.0	53.0	208.0	104.0	272.0	136.0	384.0	192.0	502.0	251.0	543.0	272.0	96		

GENERAL NOTES - FOR ALL THRUST BLOCKS  
 1. All Calculations Are Based On Internal Pressure Of 200 P.S.I. For 24" I.D. Pipe And Smaller And 150 P.S.I. On 30" I.D. And Larger.  
 2. Volumes Of Vertical Bend Thrust Blocks Are Net Volumes Of Concrete To Be Furnished. The Corresponding Weight Of The Concrete (Class F) Is Equal To Or Greater Than The Vertical Component Of Thrust On The Vertical Bend.  
 3. Wall Thickness (T) Assumed Here For Estimating Purposes Only.  
 4. Concrete For Blocking Shall Be Class B Concrete.  
 5. Dimensions May Be Varied As Required By Field Conditions Where And As Directed By The Engineer. The Volume Of Concrete Blocking Shall Not Be Less Than Shown Here.

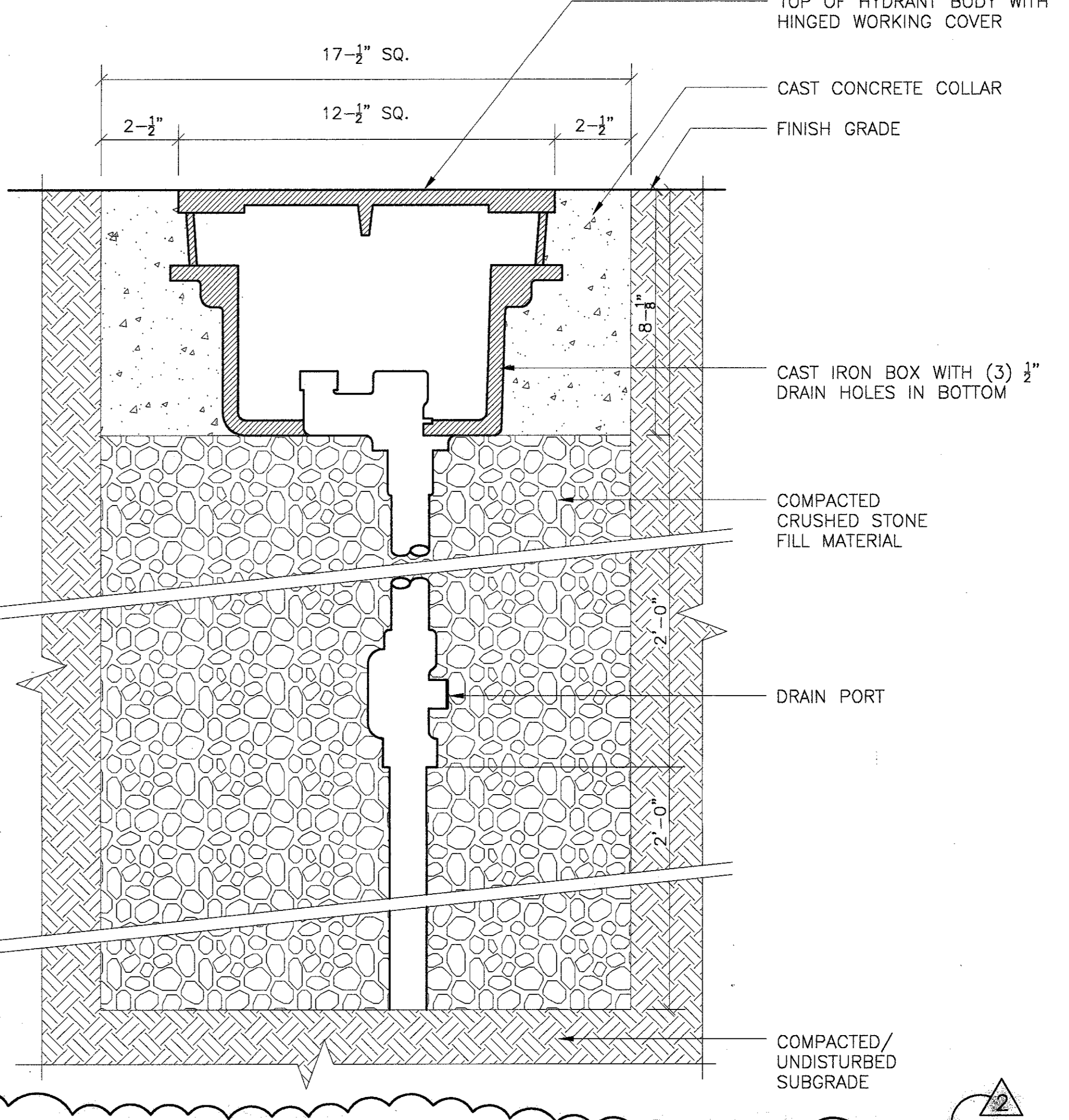
**VERTICAL BEND THRUST BLOCK**

I.D. (IN.)	THRUST (TONS)	C (FT.)	EARTH		ROCK	
			A (FT.)	B (FT.)	A (FT.)	B (FT.)
4.6, 8	5.1	1.5	2.5	0.3	2.0	0.2
10, 12	11.3	1.5	3.5	0.6	2.5	0.3
16, 18	25.5	2.0	5.5	1.6	4.0	0.9
20	31.5	2.0	6.0	1.9	4.0	0.9
24	45.2	2.5	7.0	3.1	5.0	1.7
30	53.0	3.0	7.5	4.1	5.5	2.4
36	76.3	4.0	9.0	7.3	6.5	4.2
42	104.0	4.5	10.5	11.0	7.5	6.2
48	136.0	5.0	12.0	15.6	8.5	6.2
54	172.0	5.5	13.5	21.4	9.5	11.9
60	212.0	6.0	15.0	28.4	10.5	15.7
66	257.0	6.5	16.5	36.8	11.5	20.5
72	305.0	7.0	18.0	47.2	12.5	27.2
78	358.0	8.0	19.0	58.9	13.5	33.7
84	416.0	8.5	20.5	72.3	14.5	41.2
90	477.0	9.0	22.0	87.7	15.5	49.7
96	543.0	9.5	23.5	104.8	16.5	61.0

**PLUG & TEE THRUST BLOCK**



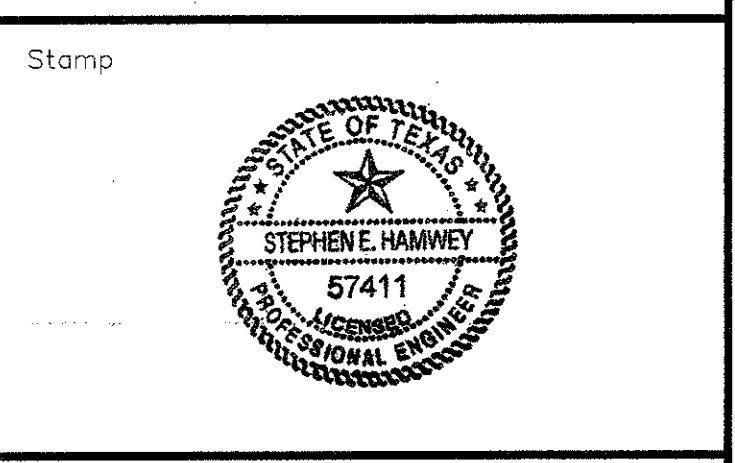
2 YARD HYDRANT TYPE A SECTION  
N.T.S.



1 YARD HYDRANT - TYPE B SECTION  
N.T.S.



BULLETIN #1	12-30-02
ISSUED FOR CONSTRUCTION	11-26-02
ADDENDUM #2	10-21-02
ISSUED FOR CONSTRUCTION	09-30-02
No. Description	Date



Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

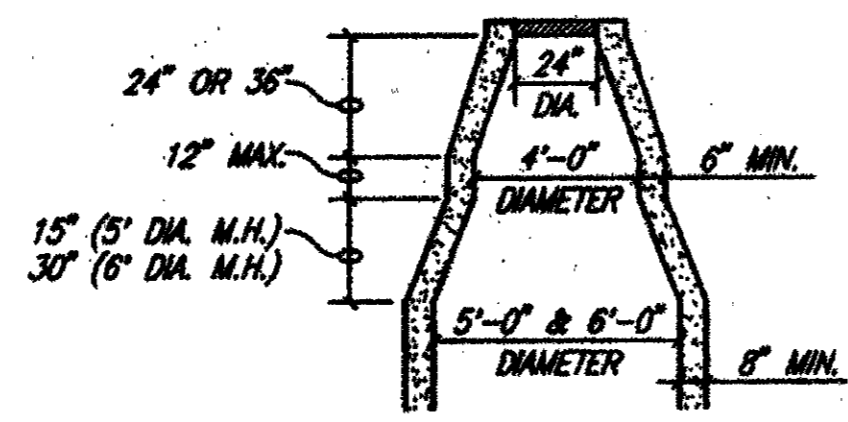
Drawing Title:  
**SITE DETAILS**  
 WATER

Project No. 14516.00 Scale: AS NOTED  
 Drawn By: SJM  
 Checked By: TC  
 Approved By: SEH  
 Date: September 30, 2002

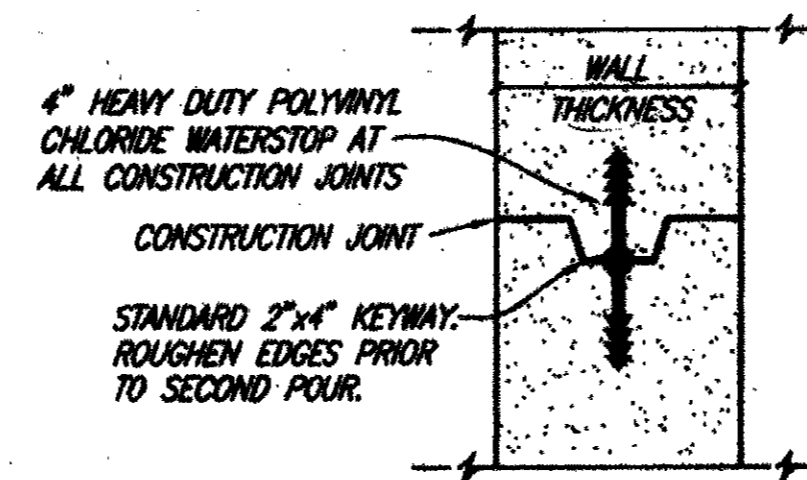
Drawing No. **C8-5**

**SANITARY SEWER NOTES:**

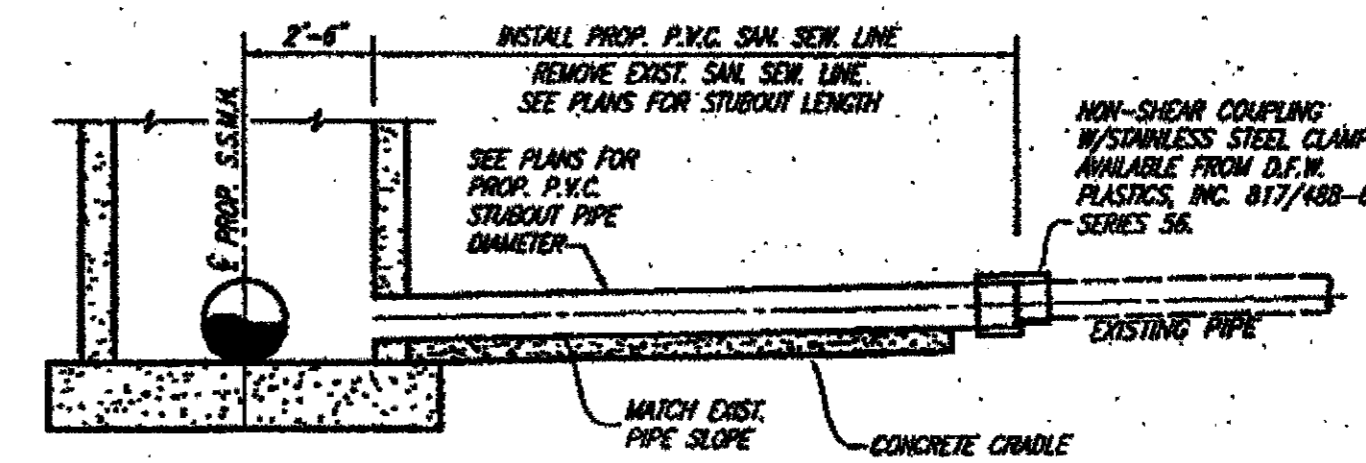
- PIPE 6 INCHES THROUGH 15 INCHES SHALL BE IN ACCORDANCE WITH ASTM D3034 WITH A MINIMUM SDR 35 OR ASTM D3350 AND DE 345434 C.
- MANHOLES SHALL BE CAST IN PLACE. ALL MANHOLES SHALL BE WATER TIGHT. ALL RINGS AND COVERS SHALL INCLUDE AN INTERNAL CHIMNEY SEAL.
- ALL PIPE OPENINGS IN MANHOLES SHALL INCLUDE COUPLINGS WITH "O" RING RUBBER GASKETS.
- STUBBOTS OUT OF MANHOLES SHALL BE FITTED WITH A STOPPER AND CAP. STUBBOTS SHALL BE A MINIMUM OF 5 FEET FROM MANHOLE AND BE SUPPORTED BY A CONCRETE CRADLE.
- ALL DROP MANHOLES SHALL BE OF THE EXTERNAL TYPE.
- MANHOLES SHALL BE VENTED IN ACCORDANCE WITH TNRC REQUIREMENTS.
- ALL SANITARY SEWER PIPE SHALL BE TESTED (NCTCOG ITEM 6.7.2.) AFTER CONSTRUCTION. TESTING SHALL INCLUDE PRESSURE TESTING, MANDREL TEST (TNRC REQUIRED) AND COLOR TV INSPECTION. COLOR TV INSPECTION SHALL BE COMPLETED IN PRESENCE OF A CITY REPRESENTATIVE AND THE ORIGINAL VHS FORMATTED TAPE SHALL BE GIVEN TO THE CITY AT THE COMPLETION OF THE INSPECTION.
- MANHOLES SHALL BE VACUUM TESTED IN THE PRESENCE OF THE CITY REPRESENTATIVE.
- AT WHERE GRANULAR MATERIAL IS USED FOR EMBEDMENT, IN UTILITY TRENCHED, A CLAY PLUG IS RECOMMEND AS A REPLACEMENT FOR THE GRANULAR EMBEDMENT, AT THE LOCATION WHERE THE CITY LINE IS LOCATED, AT THE LOCATION WHERE THE UTILITY ENTERS THE STRUCTURE AND AT OTHER CONNECTIONS. THE INTENT IS TO STOP ANY FREE MOISTURE FROM PASSING THROUGH THE GRANULAR EMBEDMENT AND ENTERING THE SOIL BENEATH THE STRUCTURE.



**CONE TRANSITION**  
5' & 6' DIAMETER MANHOLES ONLY

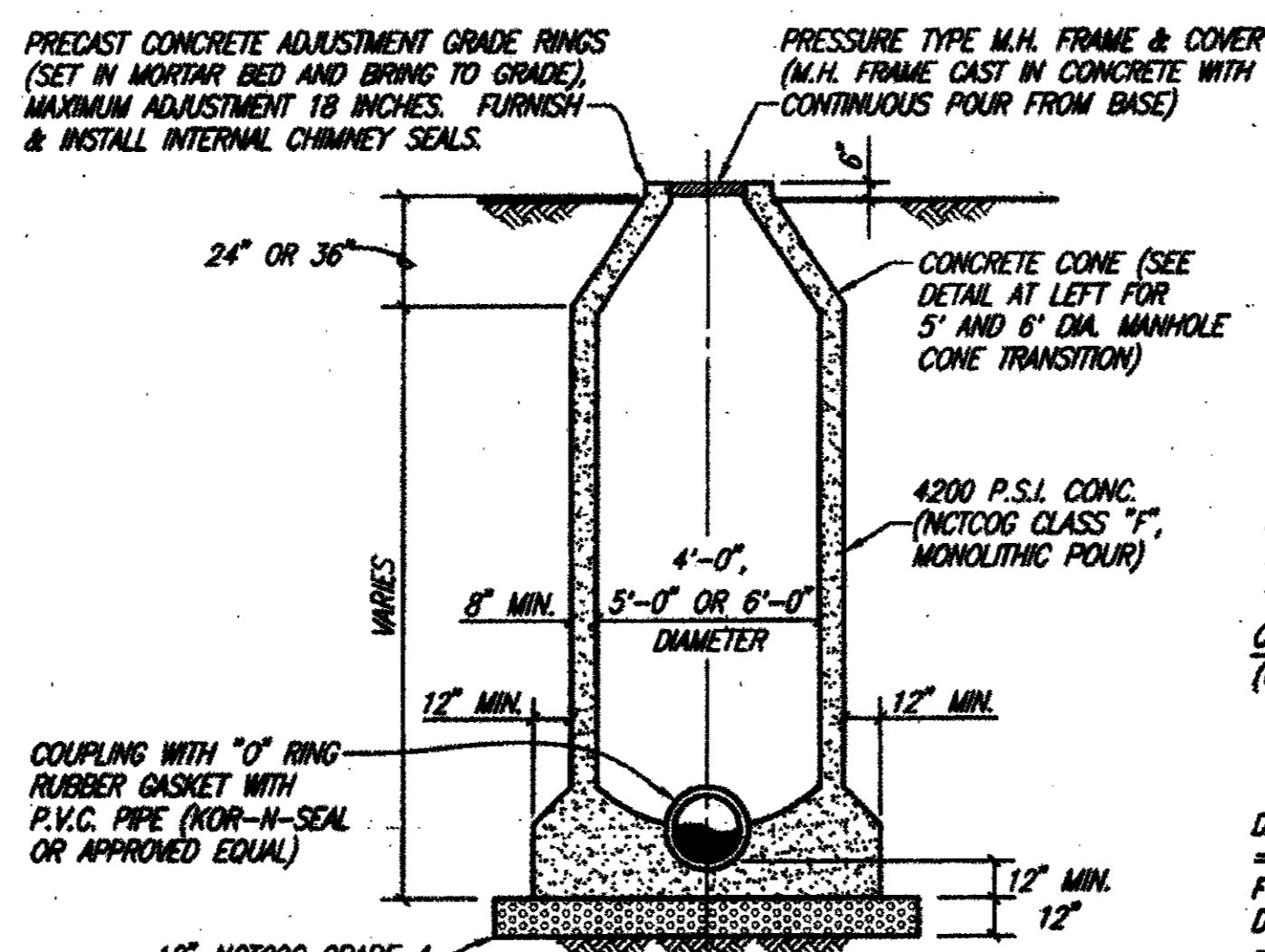


**MANHOLE CONSTRUCTION JOINT**  
KEYWAY WITH WATERSTOP

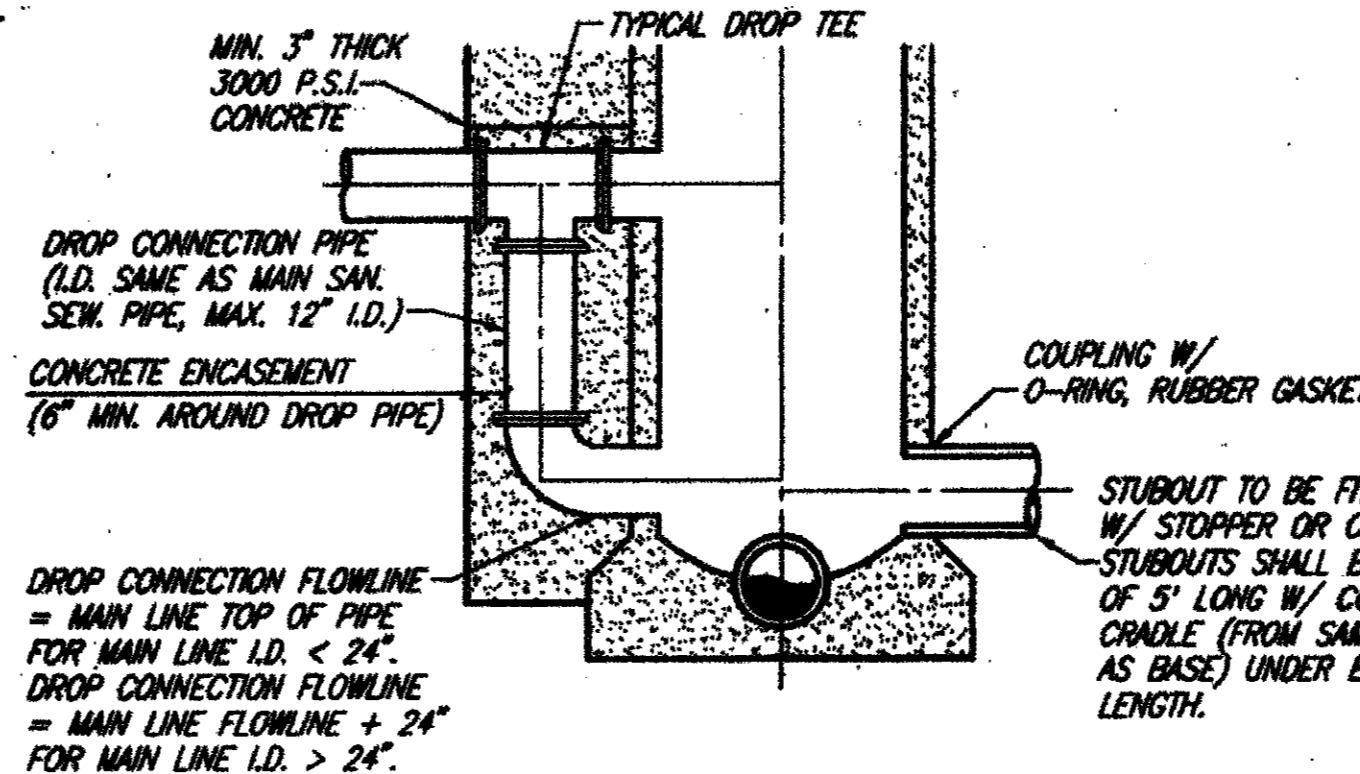


**TYPICAL STUBOUT CONNECTION**

NO SCALE  
NOTE: MATCH SLOPES UPSTREAM OF MANHOLE  
MATCH FLOW LINES DOWNSTREAM OF MANHOLE



**STANDARD MANHOLE ELEVATION**  
4', 5' & 6' DIAMETER MANHOLES



**DROP MANHOLE ELEVATION**  
4', 5' & 6' DIAMETER MANHOLES

DROP CONNECTION PIPE (I.D. SAME AS MAIN SAN. SEW. PIPE, MAX. 12\"/>

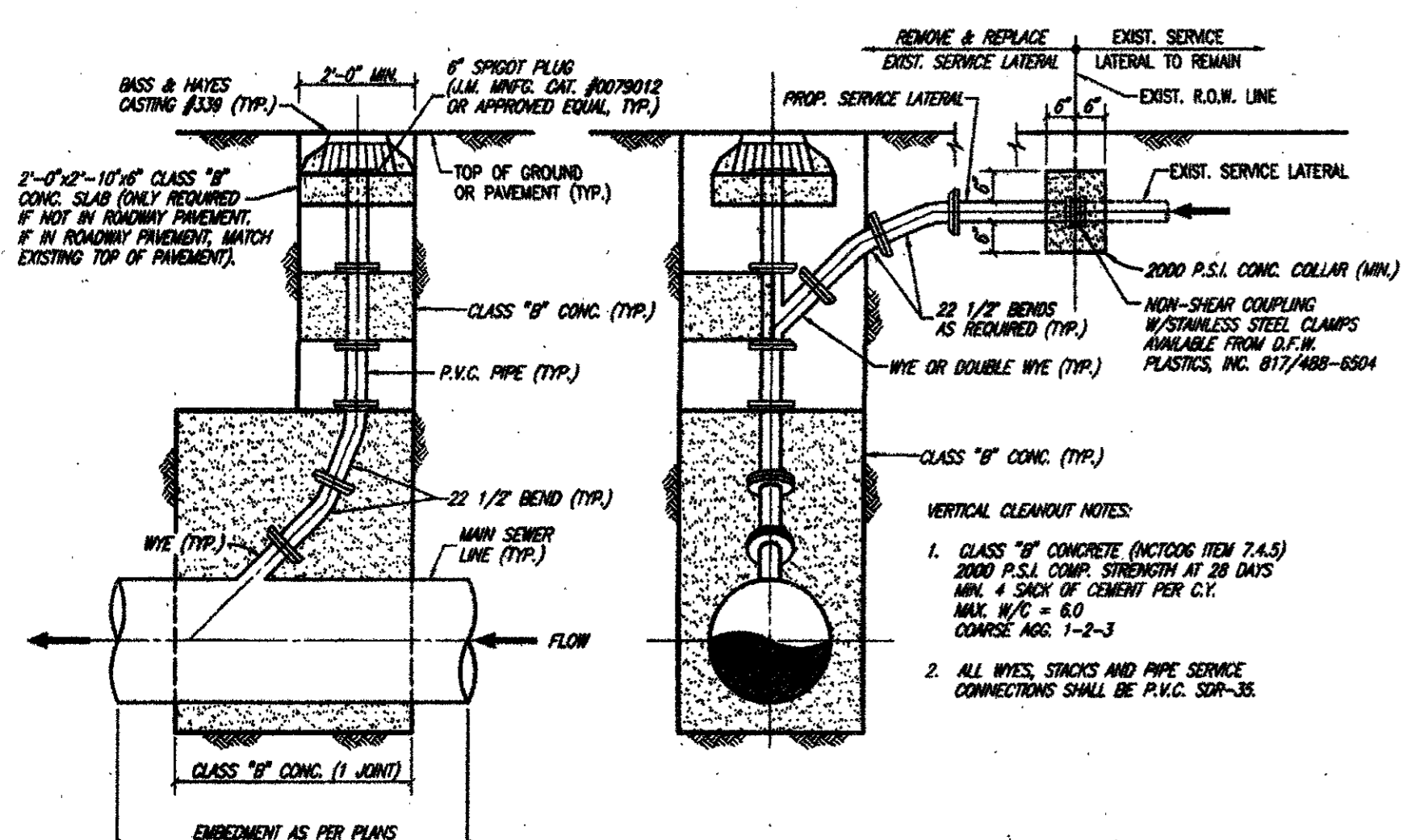
CONCRETE ENCASEMENT (6\"/>

STUBOUT TO BE FITTED W/ STOPPER OR CAP. STUBBOTS SHALL BE A MIN. OF 5' LONG W/ CONCRETE CRADLE (FROM SAME POUR AS BASE) UNDER ENTIRE LENGTH.

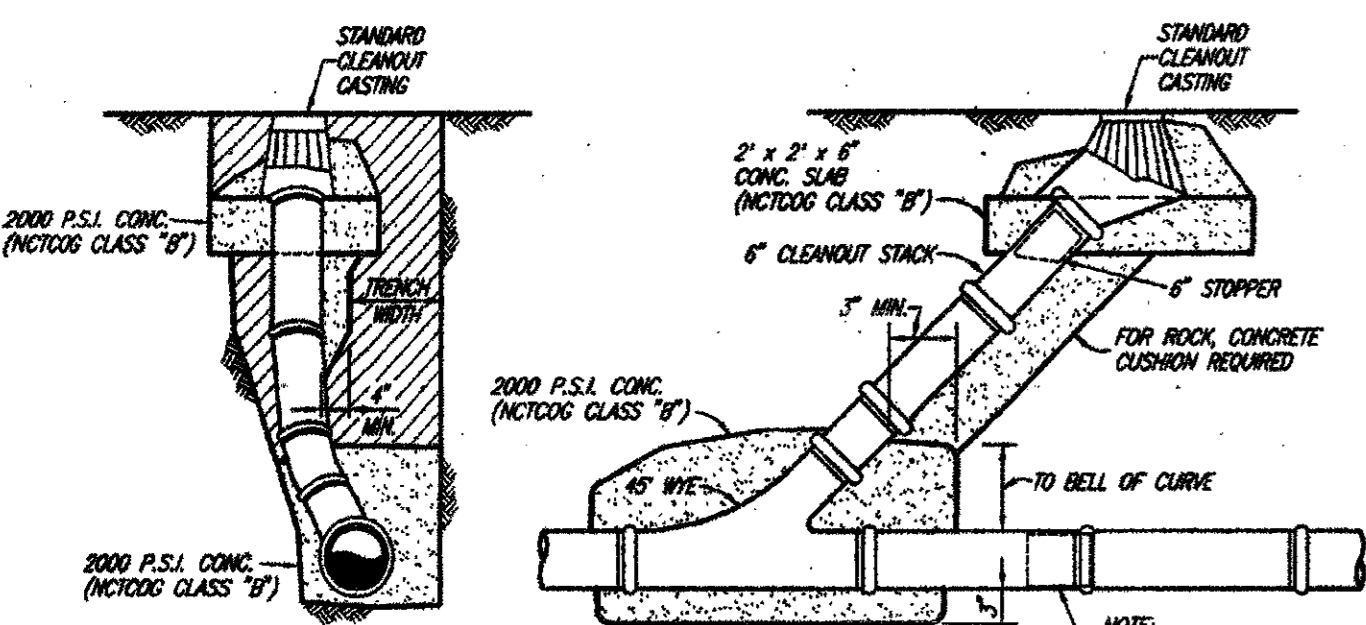
DROP CONNECTION FLOWLINE = MAIN LINE TOP OF PIPE FOR MAIN LINE I.D. < 24\"/>

DROP CONNECTION FLOWLINE = MAIN LINE FLOWLINE + 24\"/>

FOR MAIN LINE I.D. > 24\"/>



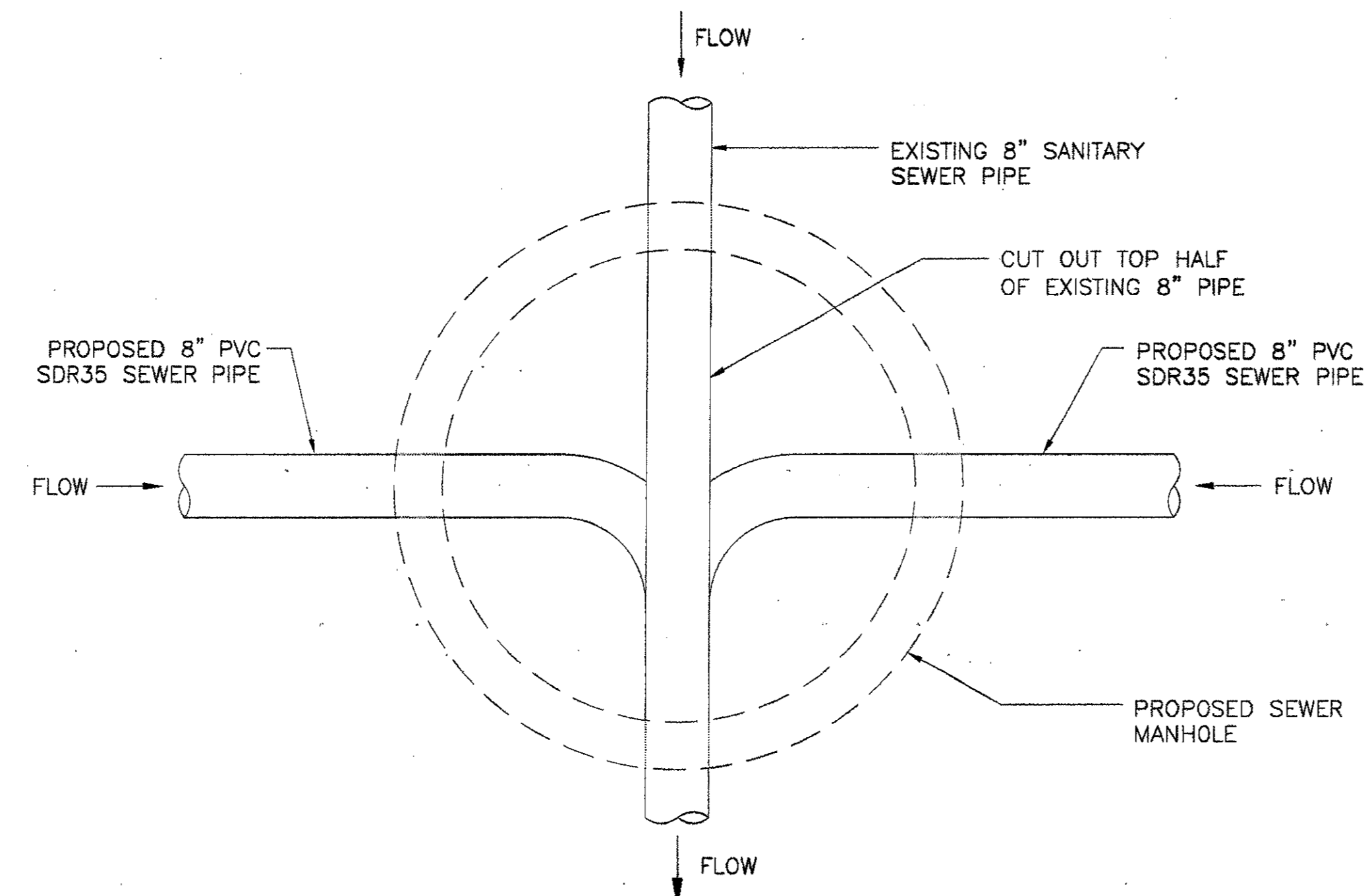
**VERTICAL CLEANOUT CONNECTION**  
(CONNECTION, WYE, CONCRETE, BENDS, CASTING, ETC. ALL SUBORDINATE TO CLEANOUT)



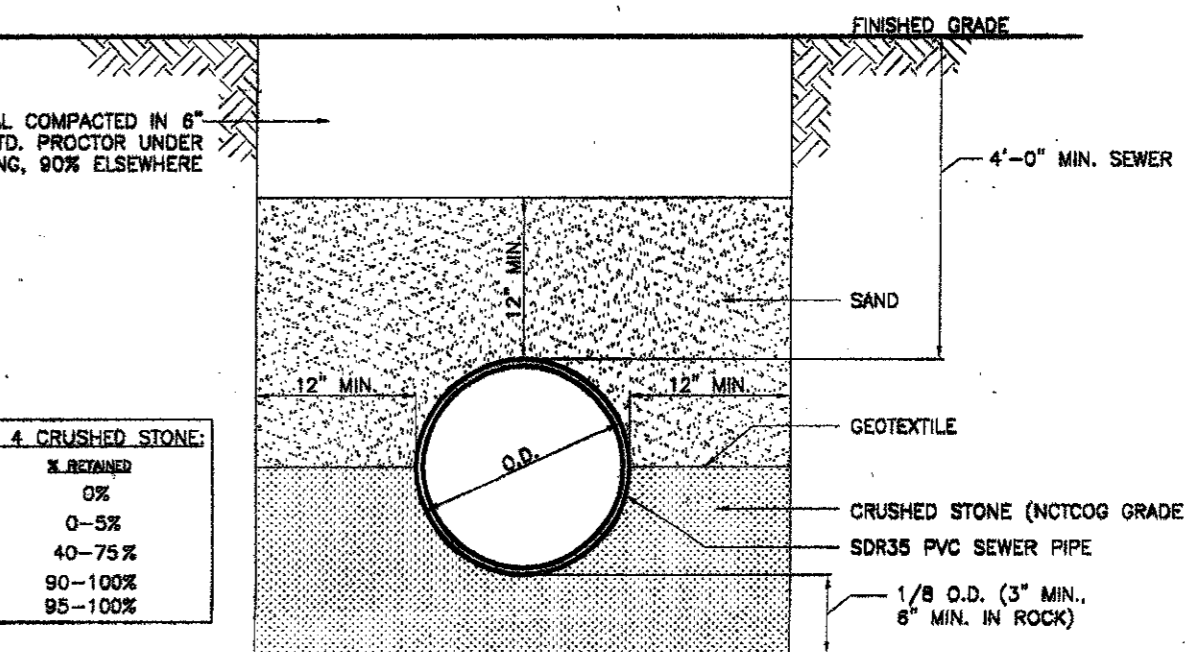
**STANDARD CLEANOUT**

**2 SANITARY SEWER MANHOLE (CAST IN PLACE)**

PRECAST MANHOLES NOT ACCEPTABLE IN ADDISON. MANHOLES SHALL BE PLUMB TO WITHIN 1 INCH FOR EVERY 5 FEET OF VERTICAL DEPTH.  
NO SCALE

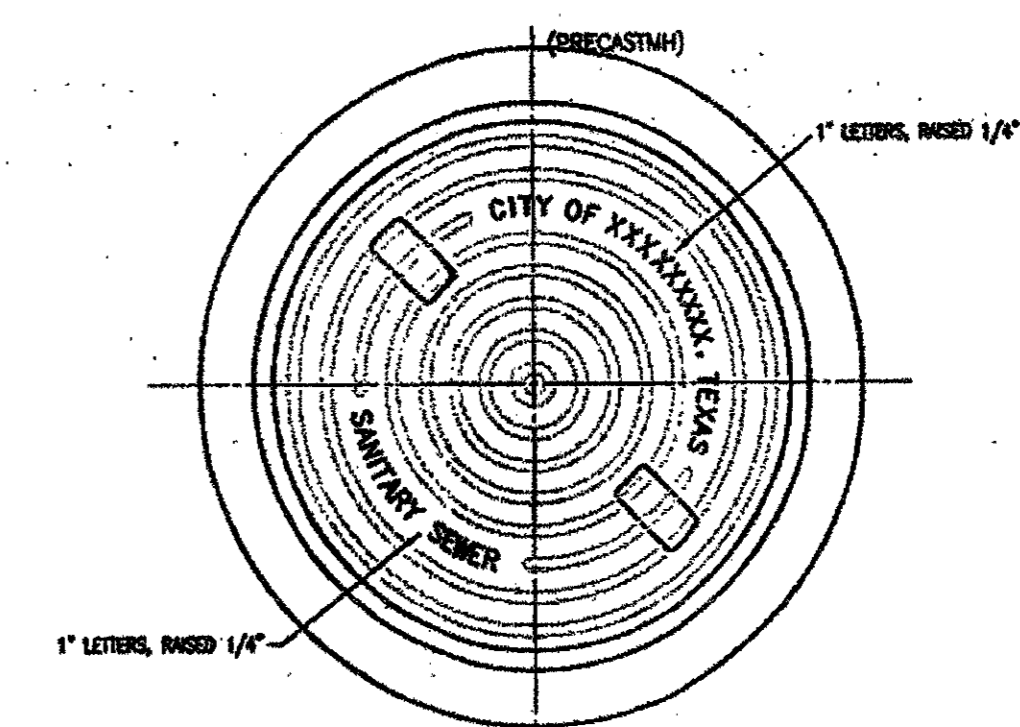


**3 SANITARY SEWER MANHOLE OVER EXISTING SEWER PIPE**  
NTS



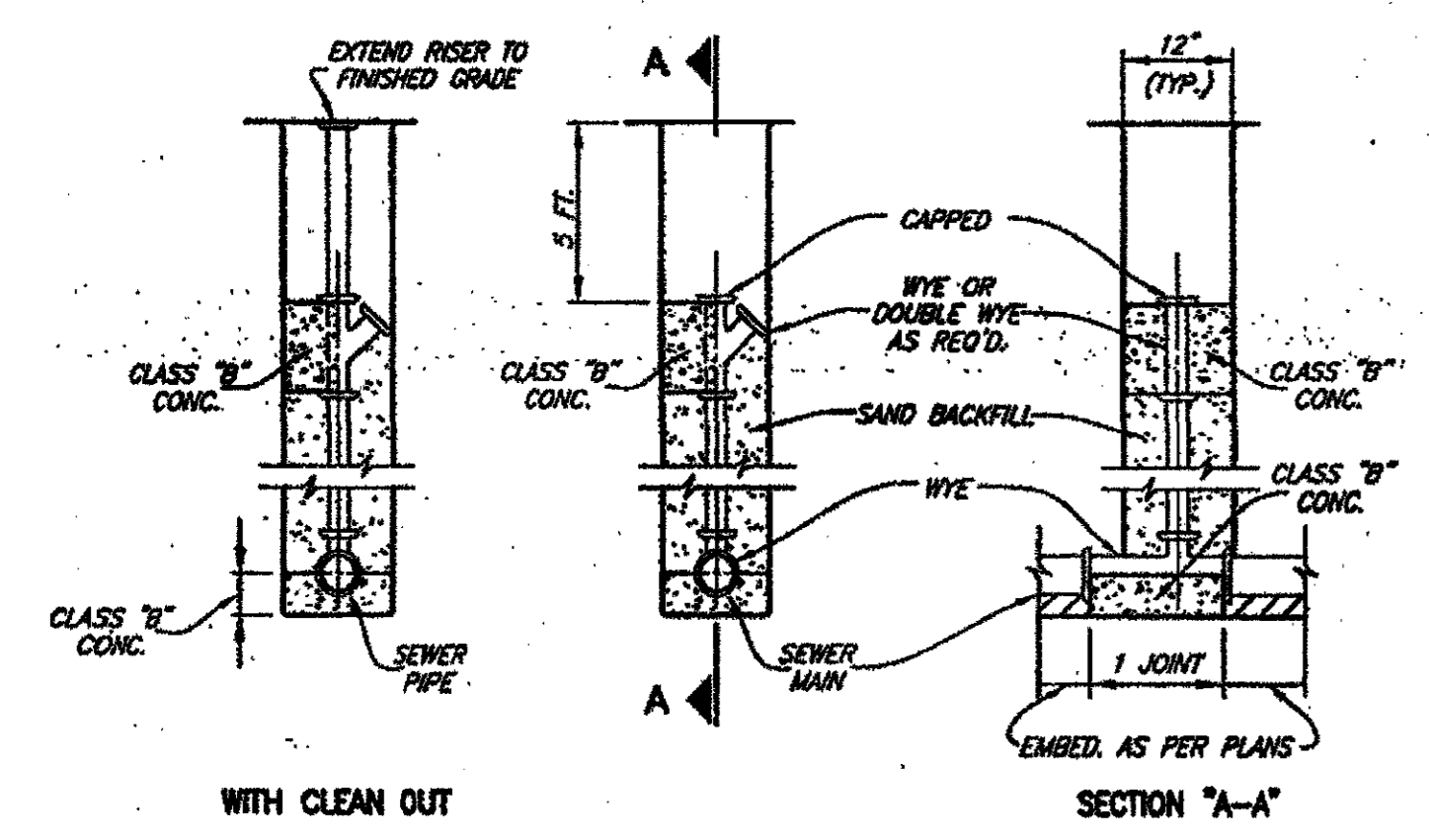
**1 SEWER TRENCH (CLASS H EMBEDMENT FOR PVC PIPE)**  
NTS

NCTCOG GRADE 4 CRUSHED STONE	SIZE, INCH	% RETAINED
	1 1/2	0%
	1	0-5%
	3/4	40-75%
	NO. 4	90-100%
	NO. 8	95-100%

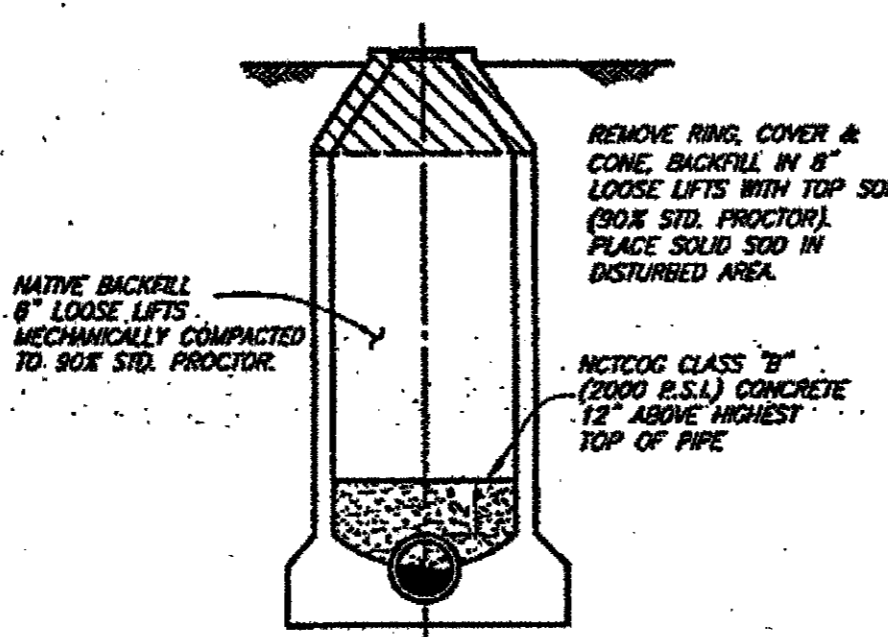


**MANHOLE RING AND COVER**  
WITH LOCKING DEVICE & PICK SLOTS

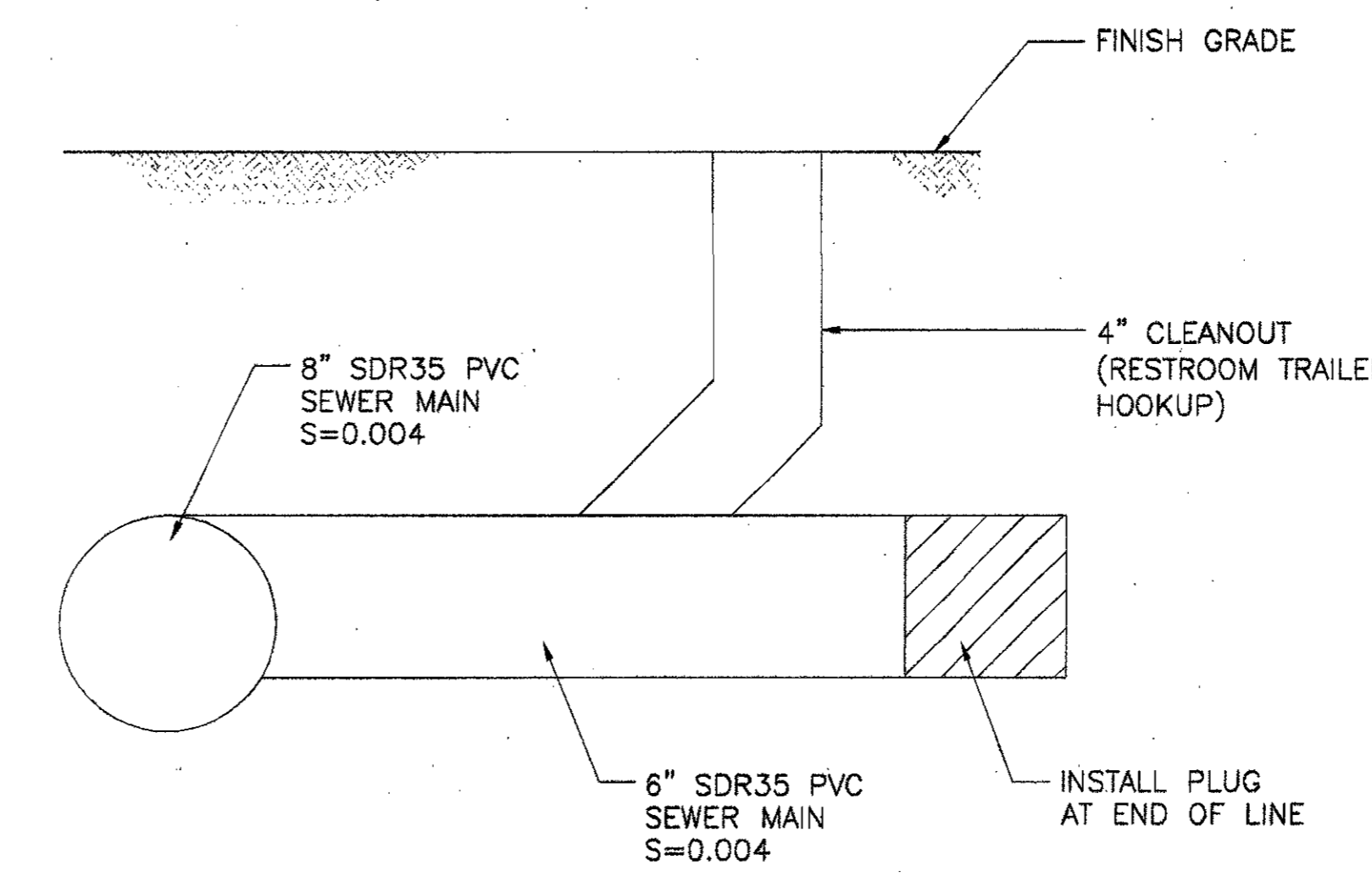
USE IN OTHER AREAS AS THESE BEINGS MANHOLE CO-4 HAS DIFFERENT MANHOLE 300-24



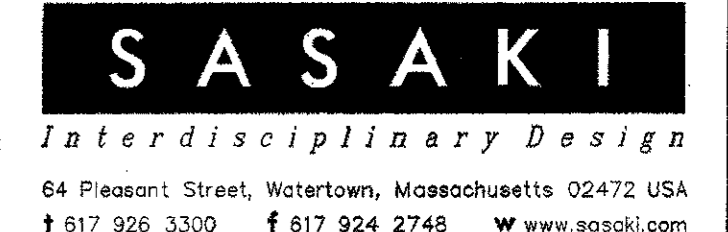
**DEEP CUT CLEANOUT**



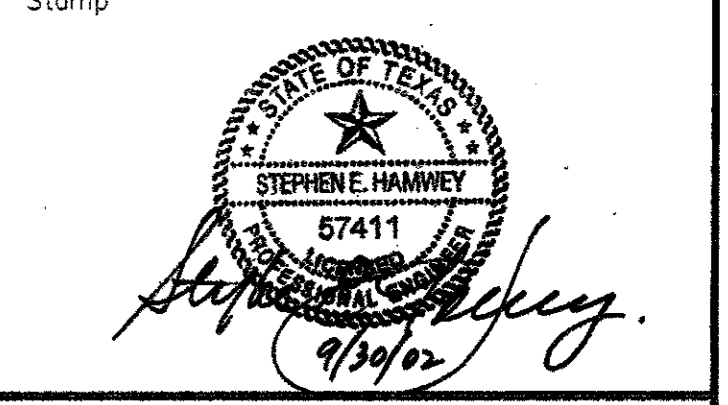
**5 MANHOLE ABANDONMENT**  
OUTSIDE PAVEMENT AREA  
(MUBAM)



**4 SANITARY CONNECTION TO RESTROOM TRAILER**  
SCALE: N.T.S.



ISSUED FOR CONSTRUCTION	09-30-02
No. Description	Date
DWG ISSUE & REVISION HISTORY	



Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
ADDISON, TEXAS

Drawing Title:  
**SITE DETAILS**  
SANITARY SEWER

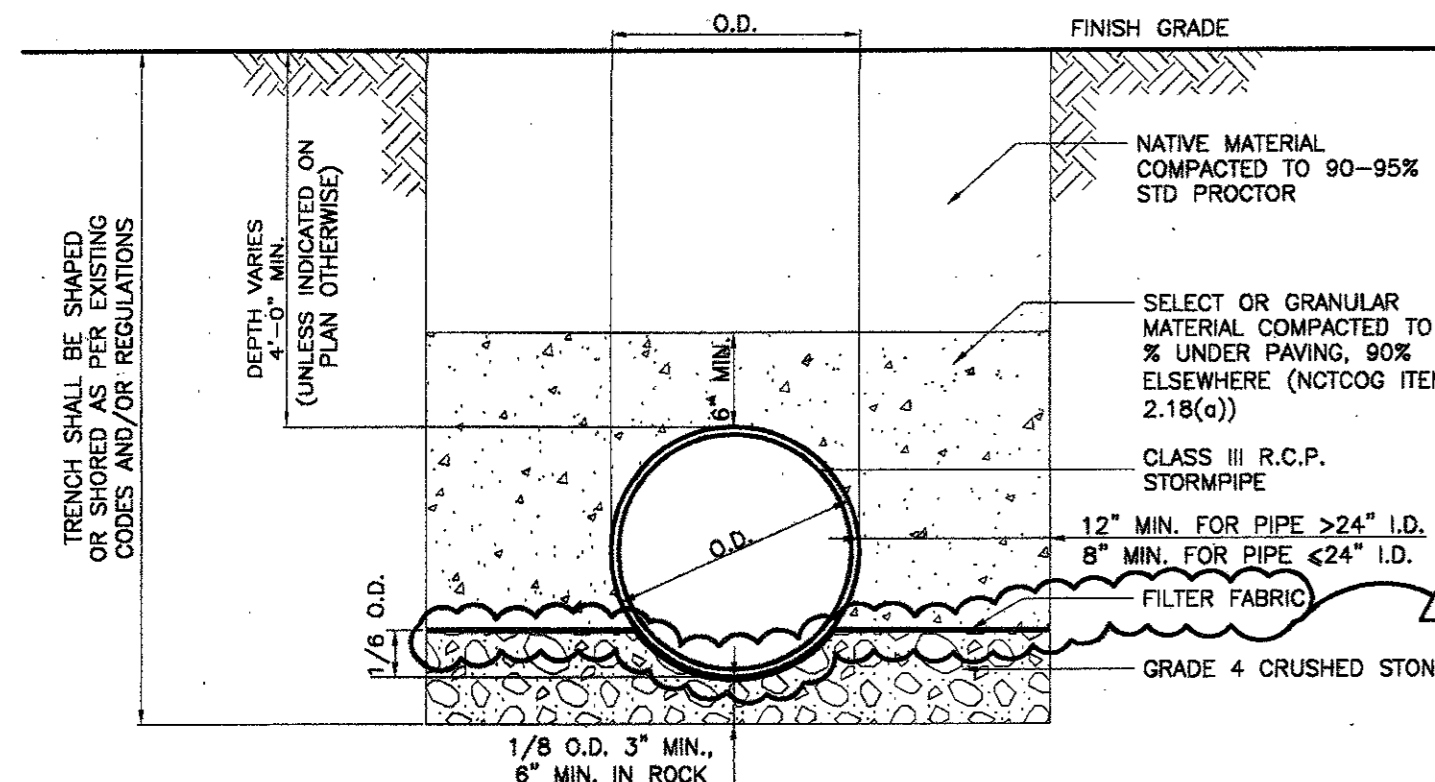
Project No. 14516.00 Scale: AS NOTED  
Drawn By: SJM  
Checked By: TC  
Approved By: SEH  
Date: September 30, 2002

Drawing No. **C8-6**

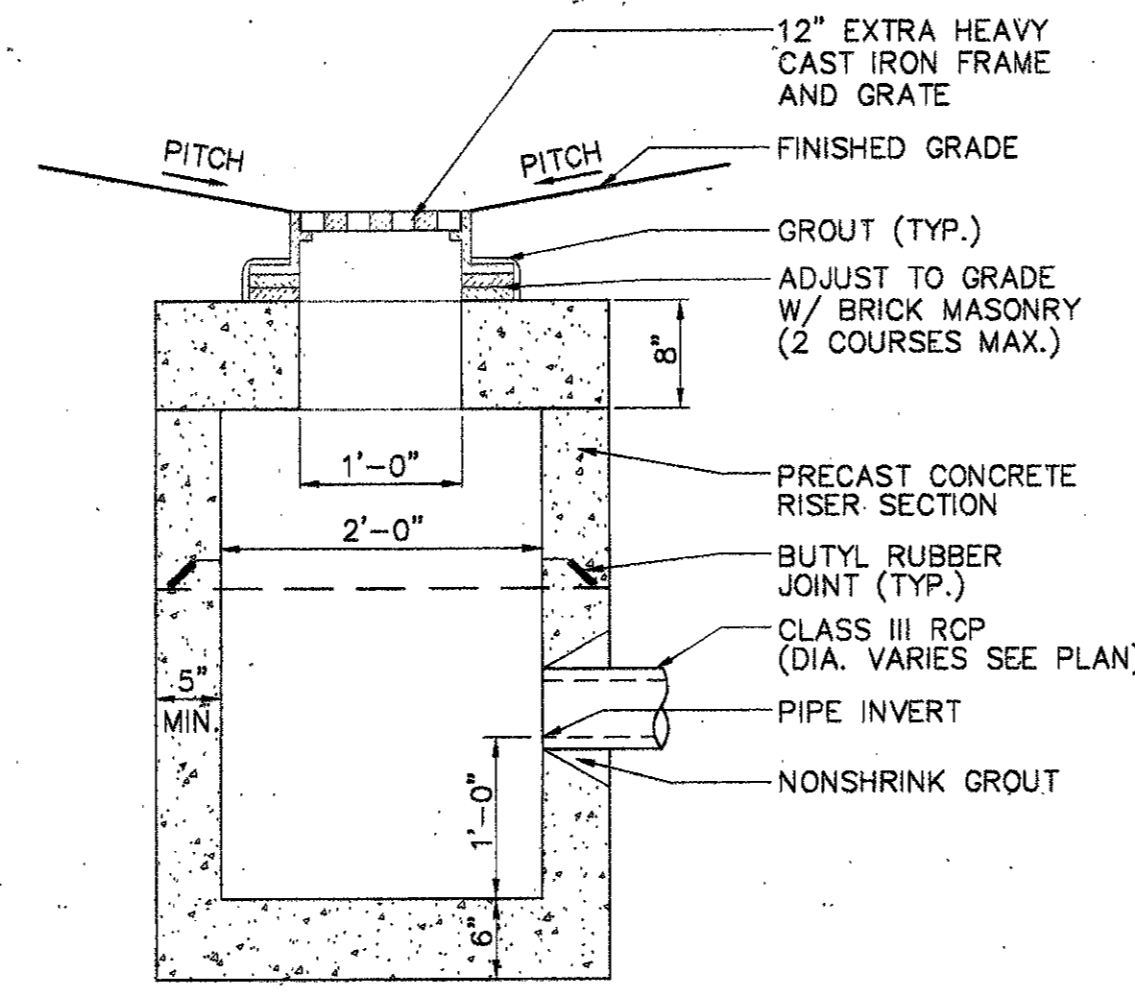


**STORM SEWER NOTES:**

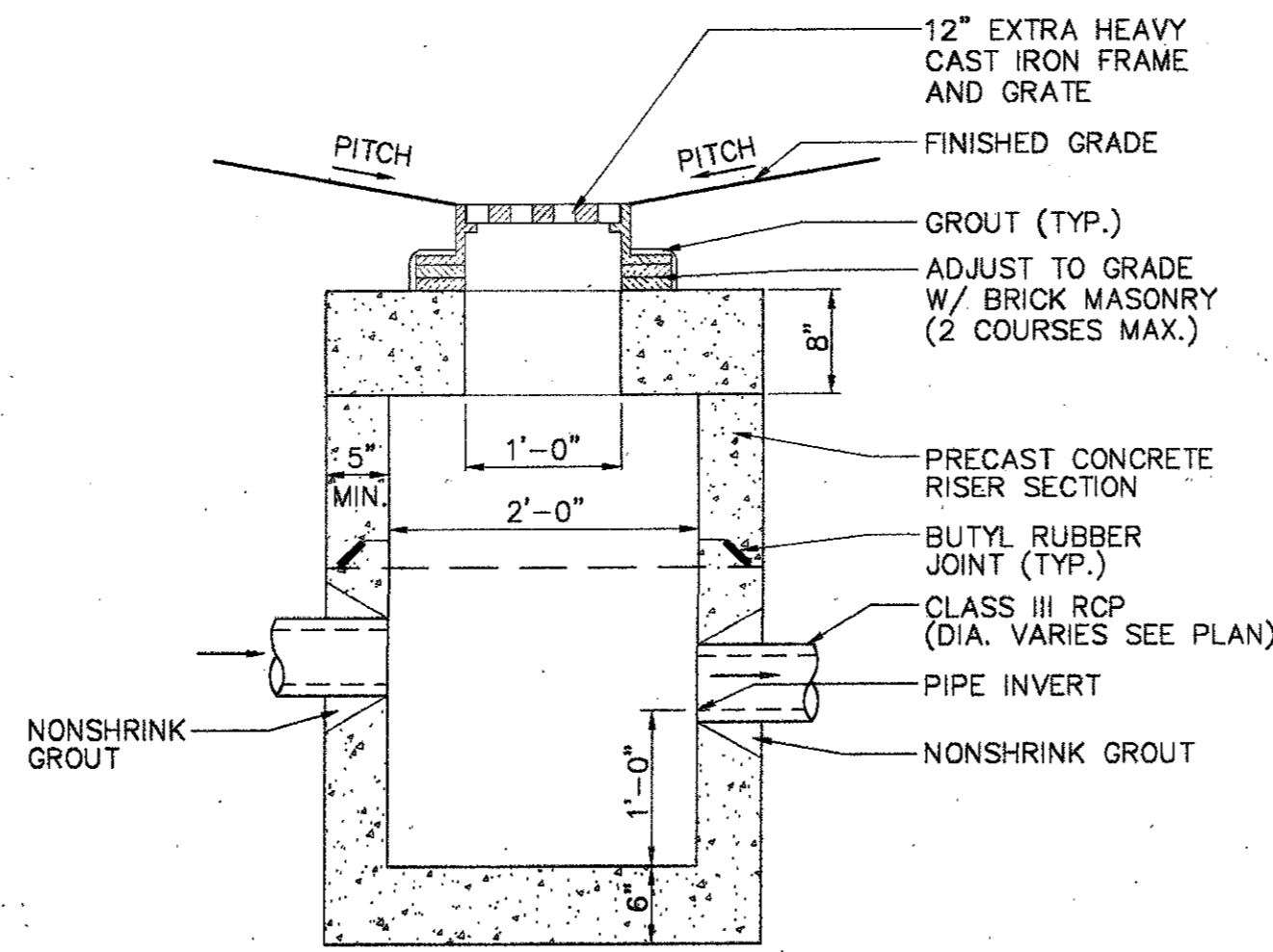
1. THE FLOOR OF THE EXCAVATION FOR STORM DRAIN STRUCTURE (CATCH BASIN, AREA DRAIN, MANHOLE) MUST PROVIDE A FIRM, LEVEL BED FOR THE BASE SECTION TO REST UPON.
2. A MINIMUM OF 6 INCHES OF 1" DIAMETER (MAXIMUM) ROCK OR GRAVEL SHALL BE USED TO PREPARE THE BEDDING TO FINAL GRADE OR, IN LIEU OF THIS, AT LEAST 6 INCHES OF 2 SACKS CEMENT STABILIZED SAND SHALL BE USED TO PREPARE THE BEDDING TO GRADE. CEMENT STABILIZED-SAND SHALL BE ALLOWED TO SET BY KEEPING HOLE DRY.
3. AFTER PIPE HAS BEEN LAID ON PROPER BEDDING, BACKFILLING IS TO COMMENCE WITH 8 INCHES MAXIMUM LOOSE LIFTS MECHANICALLY COMPACTED TO 95% STANDARD PROCTOR UNDER ROADWAY OR 12 INCHES MAXIMUM LOOSE LIFT BEHIND CURB. MAXIMUM SIZE ROCK IN BACKFILL SHALL NOT EXCEED 4 INCHES IN DIAMETER.
4. PRECAST INLETS MUST BE APPROVED BY THE CITY.
5. CONCRETE TO BE MINIMUM 4,200 P.S.I.
6. LOCKING DEVICE IS REQUIRED ON ALL STORM SEWER LIDS.
7. 'NO DUMPING' WARNING PLAQUE TO BE INSTALLED ON ALL STANDARD AND RECESS INLETS.
8. CONCRETE CAST-IN-PLACE INLETS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,200 P.S.I. @ 28 DAYS.
9. EXISTING STORM SEWER PIPE AND/OR LATERALS SHALL BE LOCATED PRIOR TO SETTING OF CONSTRUCTION INLET BOXES. IF ADJUSTMENT IN GRADE OF LATERAL IS REQUIRED, A REVISED DESIGN BY THE ENGINEER OF RECORD SHALL BE SUBMITTED TO THE CITY FOR APPROVAL.
10. REINFORCED CONCRETE PIPE CLASS III MINIMUM FOR ALL STORM SEWER PIPE.
11. WHERE GRANULAR MATERIAL IS USED FOR EMBEDMENT IN UTILITY TRENCHES, A CLAY PLUG IS RECOMMENDED AS A REPLACEMENT FOR THE GRANULAR EMBEDMENT AT THE LOCATION WHERE THE CITY LINE IS LOCATED, AT THE LOCATION WHERE THE UTILITY ENTERS THE STRUCTURE, AND AT OTHER CONNECTIONS. THE INTENT IS TO STOP ANY FREE MOISTURE FROM PASSING THROUGH THE GRANULAR EMBEDMENT AND ENTERING THE SOIL BENEATH THE STRUCTURE.



1 STORM DRAIN TRENCH (CLASS C EMBEDMENT FOR RCP PIPE)  
SCALE: NTS

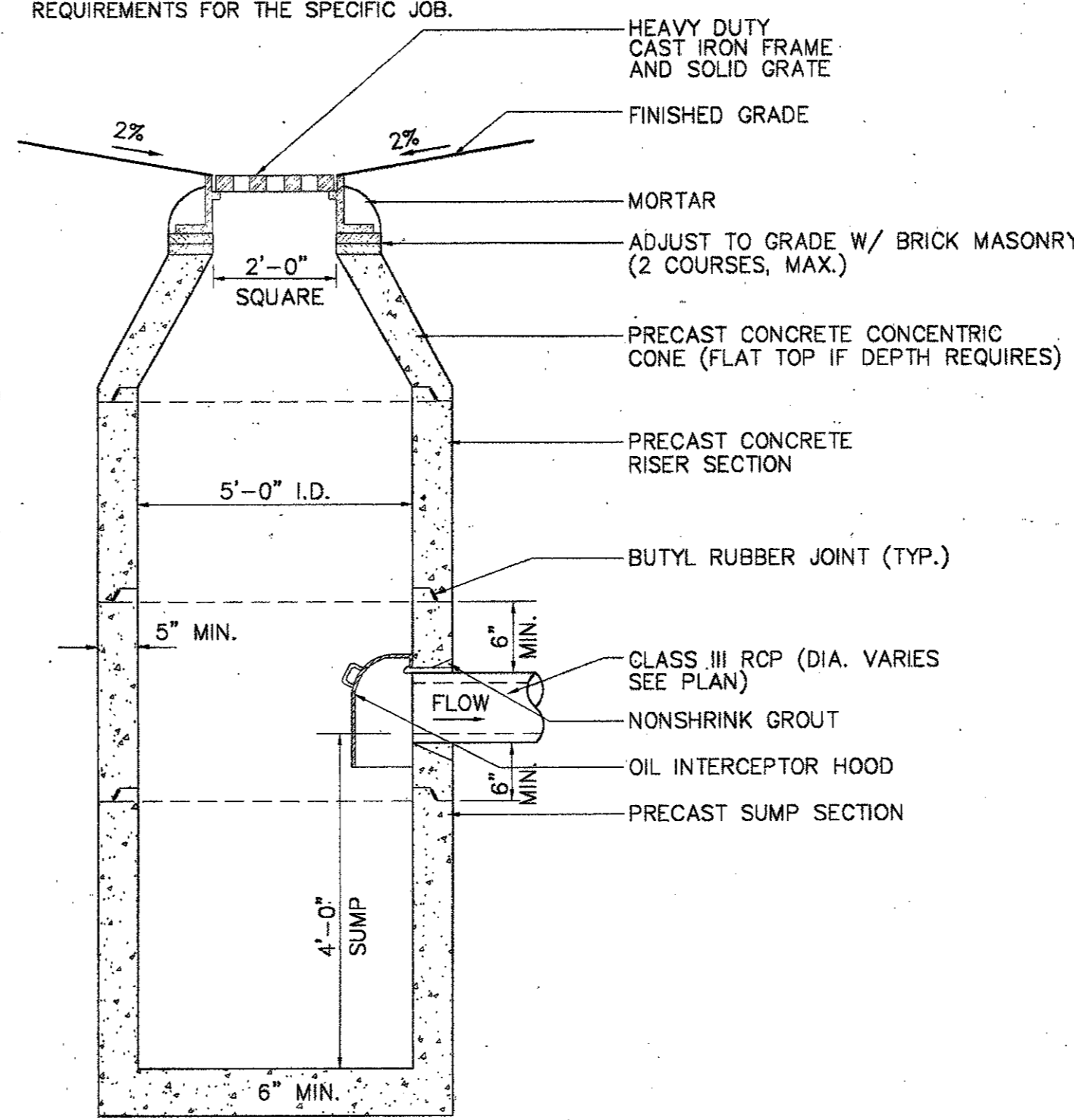


2 PRECAST CONCRETE AREA DRAIN (TYPE A)  
SCALE: NTS

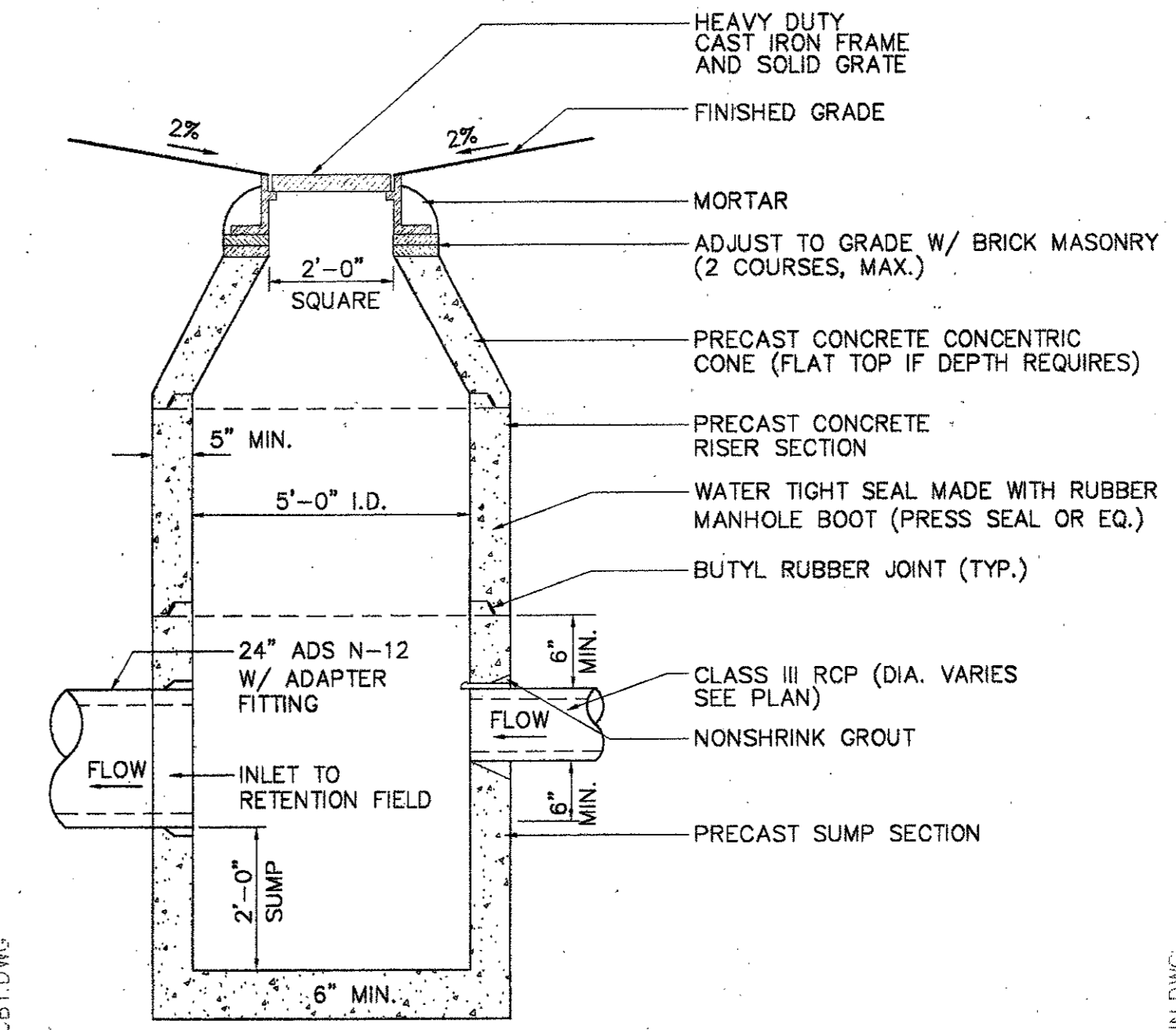


3 PRECAST CONCRETE AREA DRAIN (TYPE B)  
SCALE: NTS

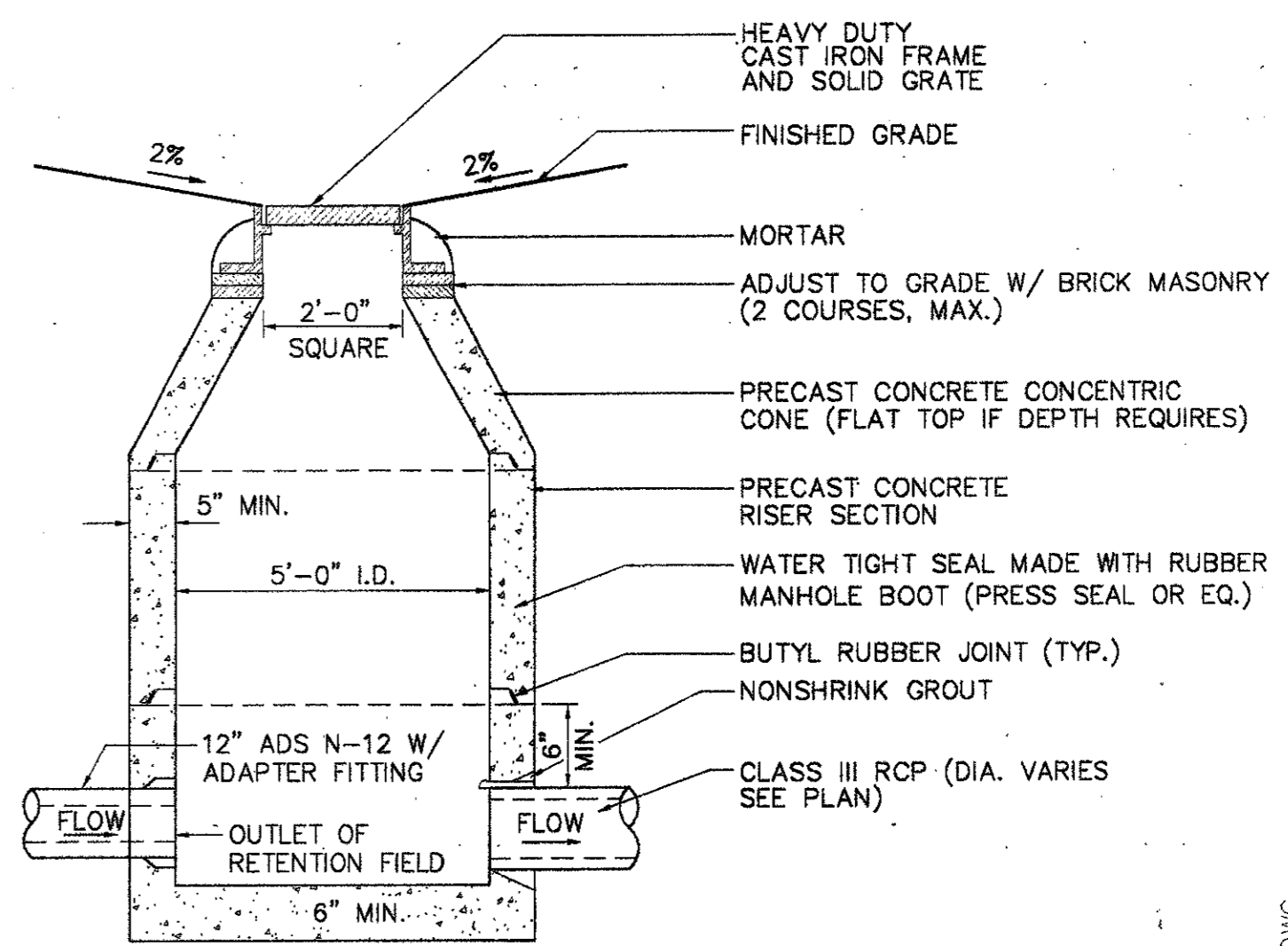
NOTES:  
THE FLOOR EXCAVATION FOR CATCH BASIN, AREA DRAIN & DMH MUST PROVIDE A FIRM, LEVEL BED FOR THE BASE SECTION TO REST UPON.  
A MINIMUM OF 6 INCHES OF 1" DIAMETER (MAXIMUM) ROCK OR GRAVEL SHALL BE USED TO PREPARE THE BEDDING TO FINAL GRADE OR LIEU OF THIS, AT LEAST 6 INCHES OF 2-SACK CEMENT STABILIZED SAND SHALL BE USED TO PREPARE THE BEDDING TO GRADE. CEMENT STABILIZED-SAND SHALL BE ALLOWED TO SET BY KEEPING HOLE PUMPED DRY.  
AFTER CASIN HAS BEEN INSTALLED ON THE PREPARED BEDDING, THE BACKFILL MATERIAL, WHICH IS FREE FLOWING AND CLEAR OF ROCKS, IN EXCESS OF 4" DIAMETER AND OTHER LUMPS WHICH WOULD PROHIBIT PROPER COMPACTION, SHALL BE COMMENCED IN LIFTS OF NO MORE THAN 18". THE MATERIAL USED FOR BACKFILL SHOULD BE A TYPE SUITABLE TO OBTAIN THE DENSITY REQUIREMENTS FOR THE SPECIFIC JOB.



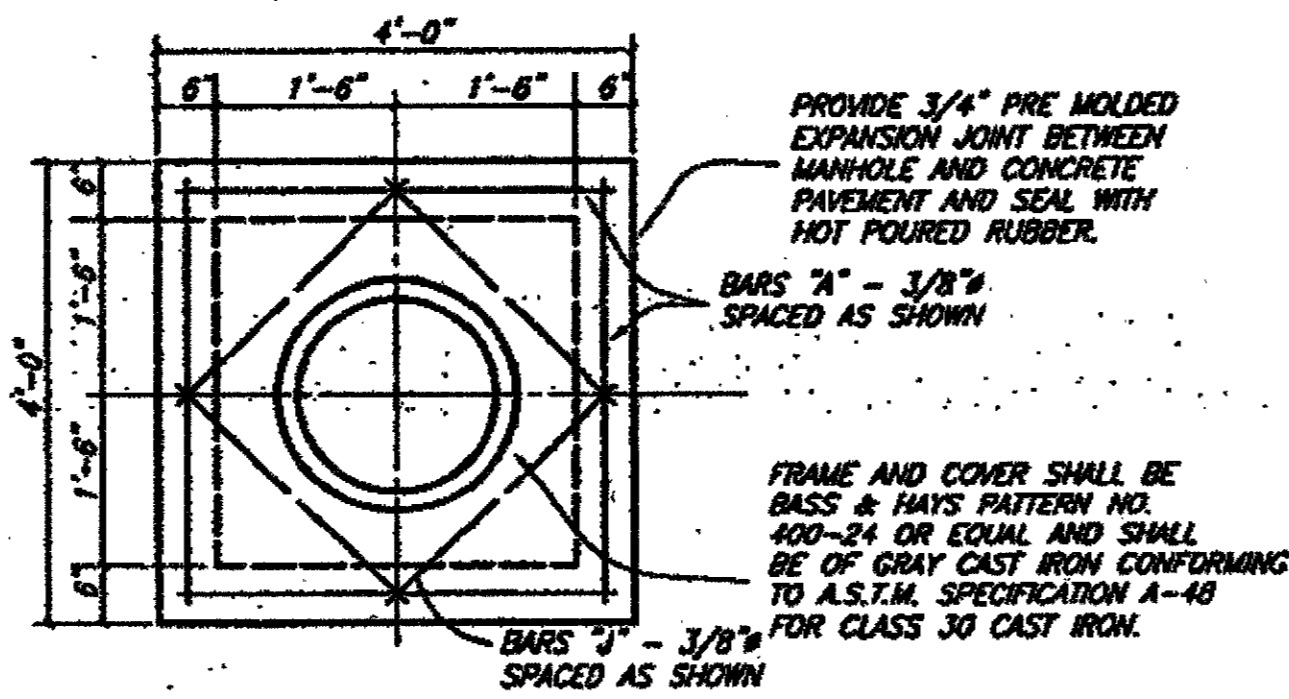
4 PRECAST CONCRETE CATCH BASIN WITH OIL/GAS TRAP  
SCALE: NTS



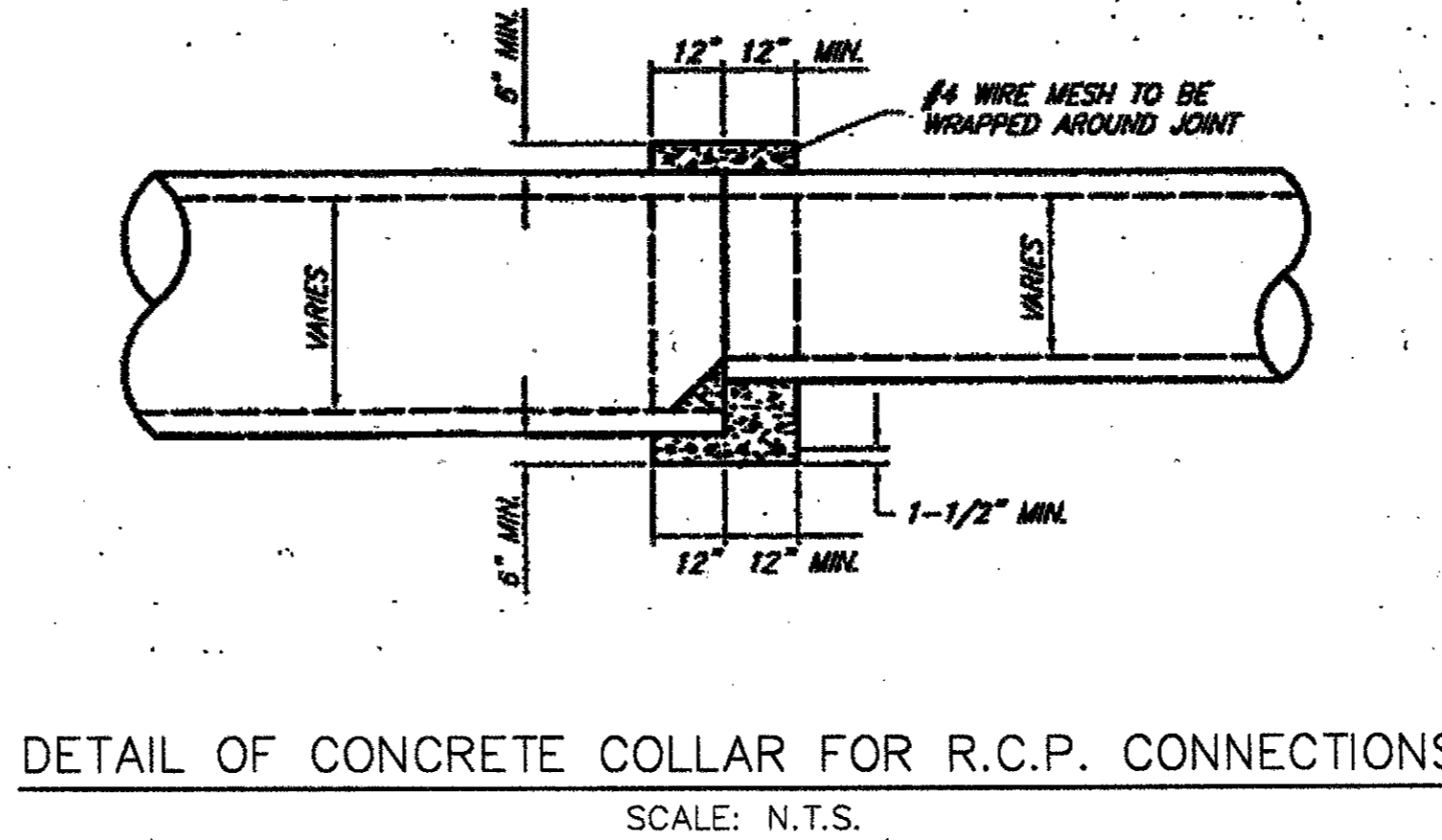
5 PRECAST DRAINAGE MANHOLE (INLET TO RETENTION FIELD)  
SCALE: NTS



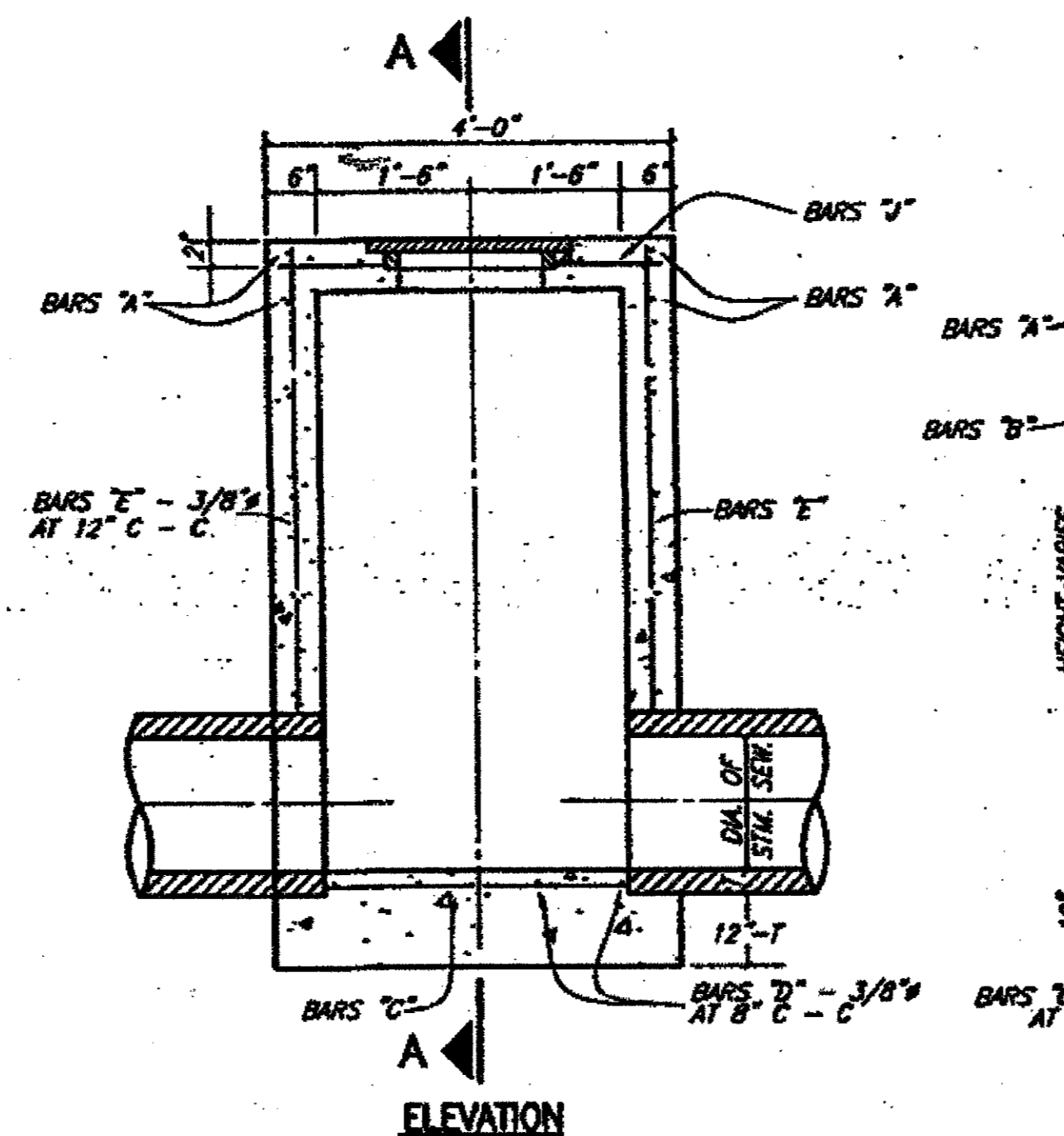
6 PRECAST DRAINAGE MANHOLE (OUTLET OF RETENTION FIELD)  
SCALE: NTS



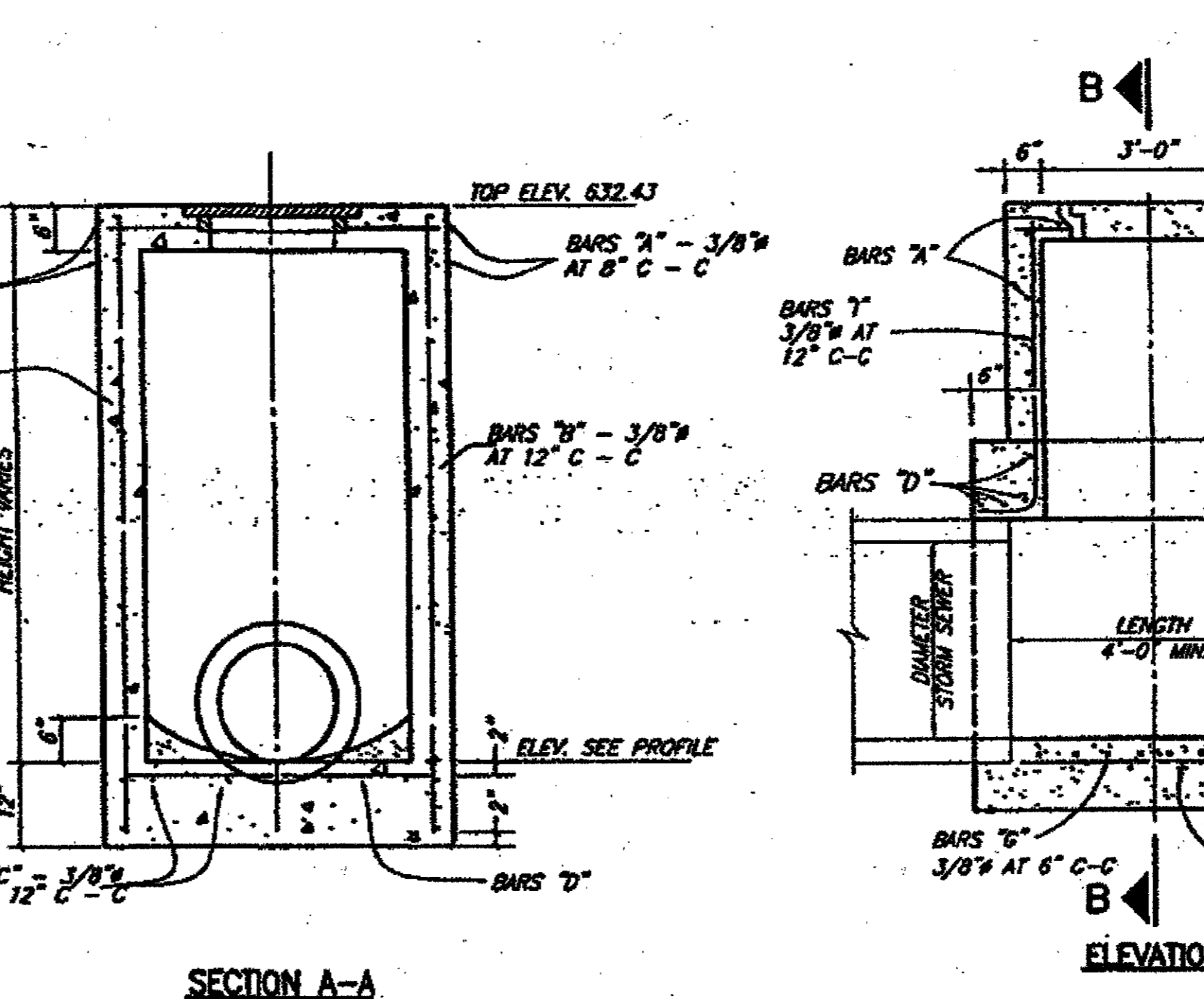
TOP PLAN TYPE A & TYPE B STORM SEWER MANHOLE



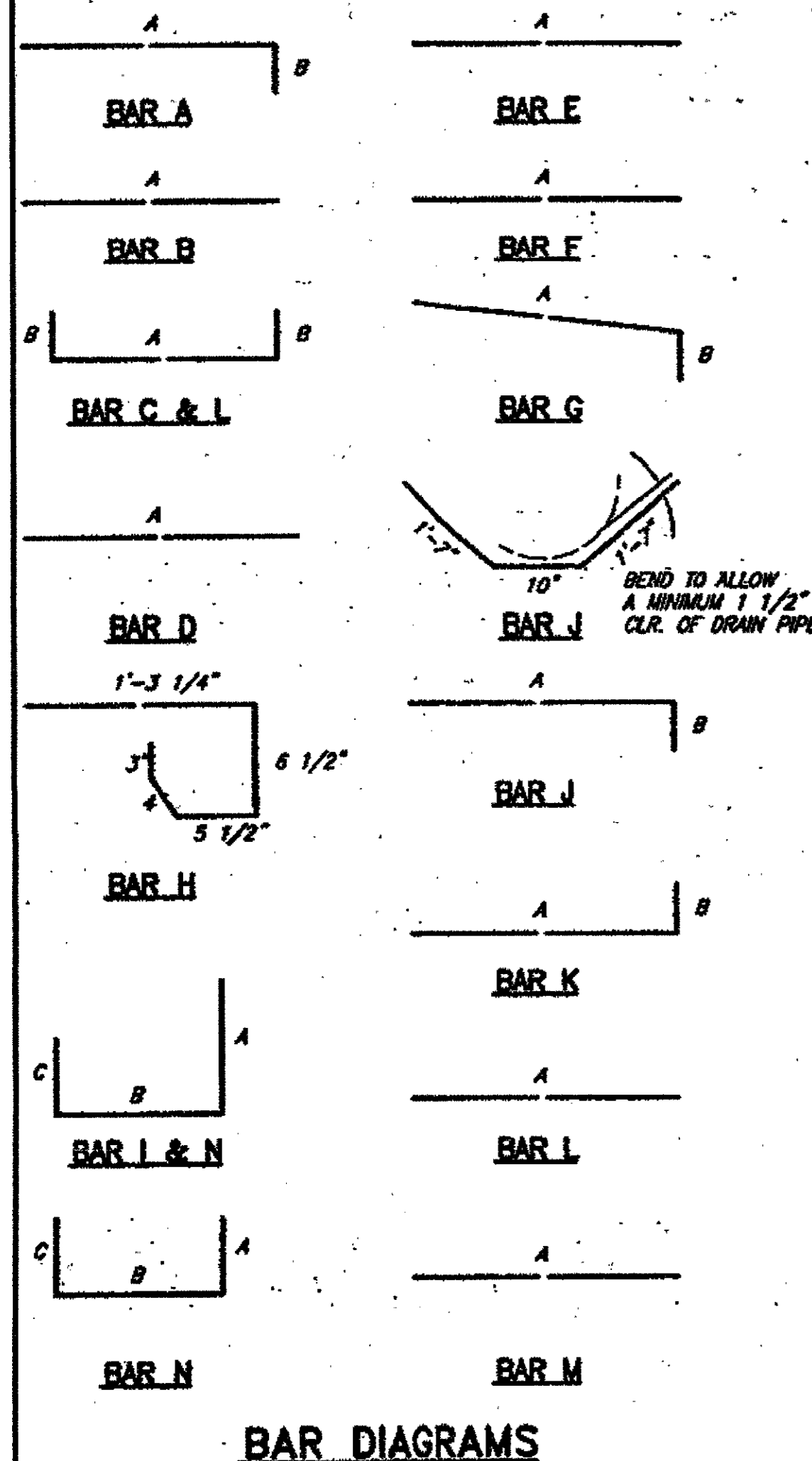
DETAIL OF CONCRETE COLLAR FOR R.C.P. CONNECTIONS  
SCALE: N.T.S.



7 STORM SEWER TYPE A MANHOLE  
MAX. PIPE SIZE 30"



8 TYPE B STORM SEWER MANHOLE  
MAX. PIPE SIZE 78"



**REINFORCING STEEL SCHEDULE**

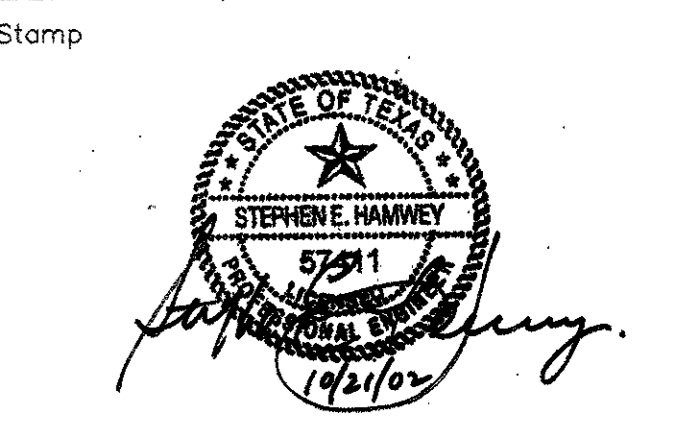
DIMENSIONS SHOWN ARE FOR MAXIMUM SIZE INLETS

INLET LENGTH	BAR TYPE	BAR DIA (1/8 IN.)	NO. REB'D	BAR DIMENSIONS		
				A	B	C
4	A	3	6	3'-2"	0'-3"	-
	B	3	7	2'-10"	-	-
	C	4	15	4'-8"	0'-6"	-
	D	4	5	4'-8"	-	-
6	F	4	1	3'-2"	-	-
	G	3	5	2'-0"	1'-3"	-
	H	3	6	-	-	-
	N	3	3	3'-2"	3'-2"	3'-2"
8	A	3	9	3'-2"	0'-3"	-
	B	3	1	4'-10"	-	-
	C	4	15	6'-8"	0'-6"	-
	D	4	5	4'-8"	-	-
10	F	4	1	3'-2"	-	-
	G	3	5	2'-0"	1'-3"	-
	H	3	9	-	-	-
	N	3	3	3'-2"	3'-2"	3'-2"
12	A	3	12	3'-2"	0'-3"	-
	B	4	1	6'-10"	-	-
	C	4	18	8'-8"	0'-6"	-
	D	4	4	4'-8"	-	-
14	E	5	6	10'-8"	-	-
	G	3	5	2'-0"	1'-3"	-
	H	3	14	-	-	-
	I	4	8	4'-8"	3'-2"	3'-2"
16	L	4	3	4'-3"	-	-

\* SEE DIAGRAM FOR DIMENSIONS 4", 6", 8" AND 10" INLETS

ADDENDUM #2	10-21-02	
ISSUED FOR CONSTRUCTION	09-30-02	
No.	Description	Date

DWG ISSUE & REVISION HISTORY

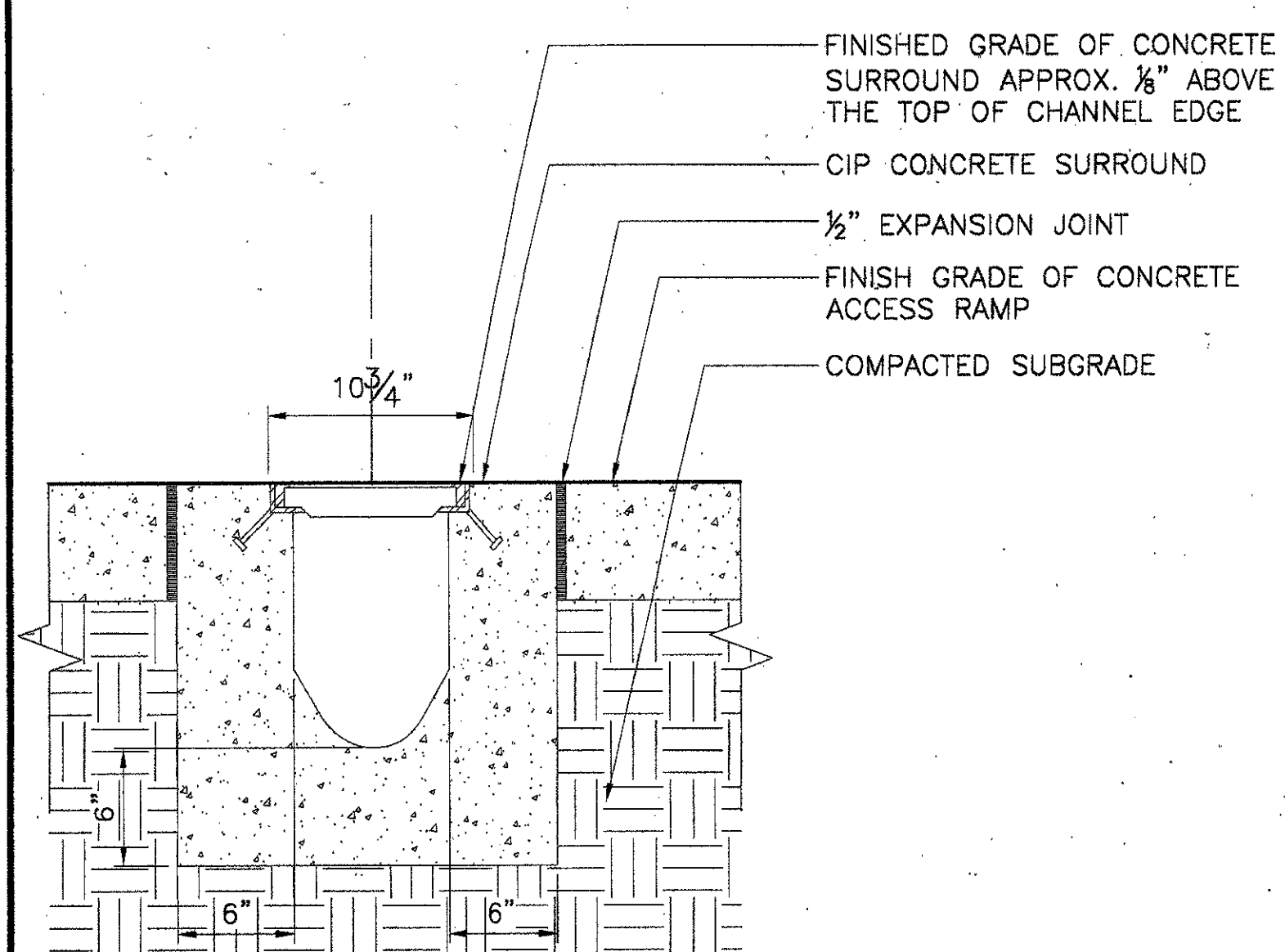


Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
ADDISON, TEXAS

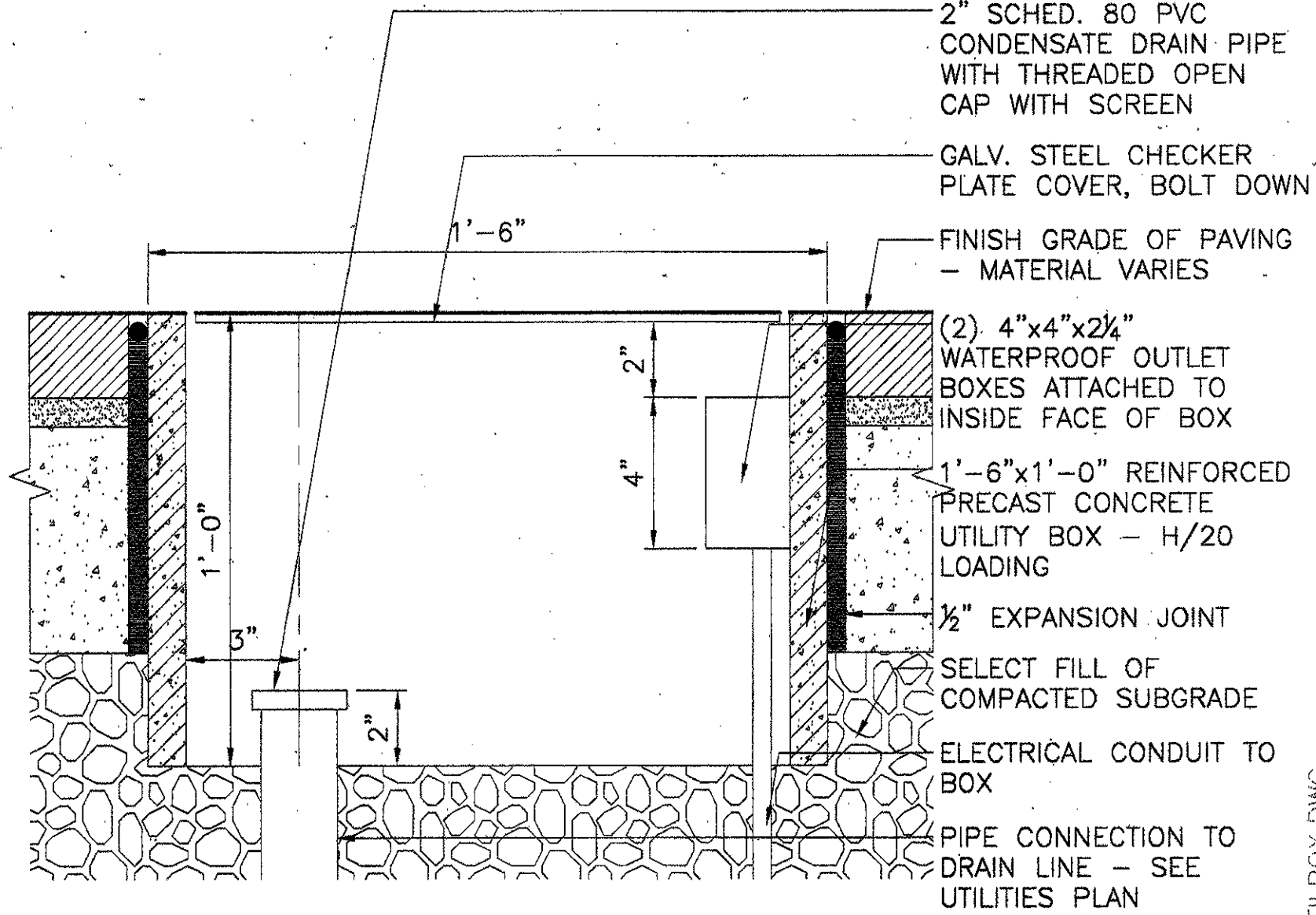
Drawing Title:  
**SITE DETAILS DRAINAGE**

Project No. 14516.00 Scale: AS NOTED  
Drawn By: SUM  
Checked By: TC  
Approved By: SEH  
Date: September 30, 2002

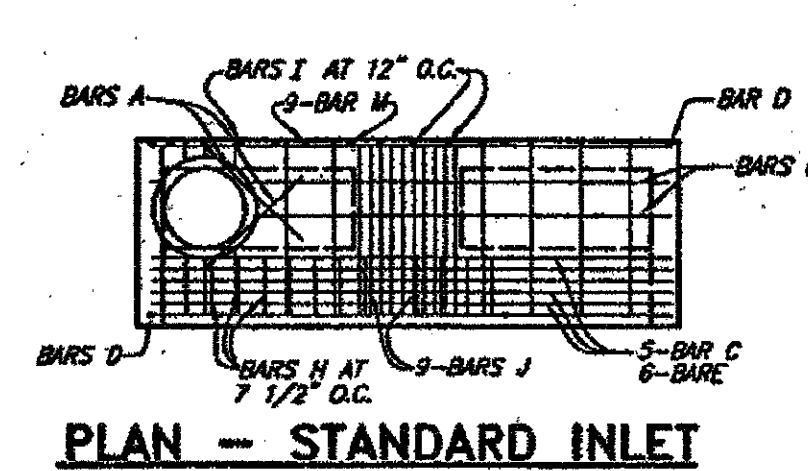
Drawing No. **C8-7**



5 TRENCH DRAIN SECTION  
SCALE: 1 1/2" = 1'-0"

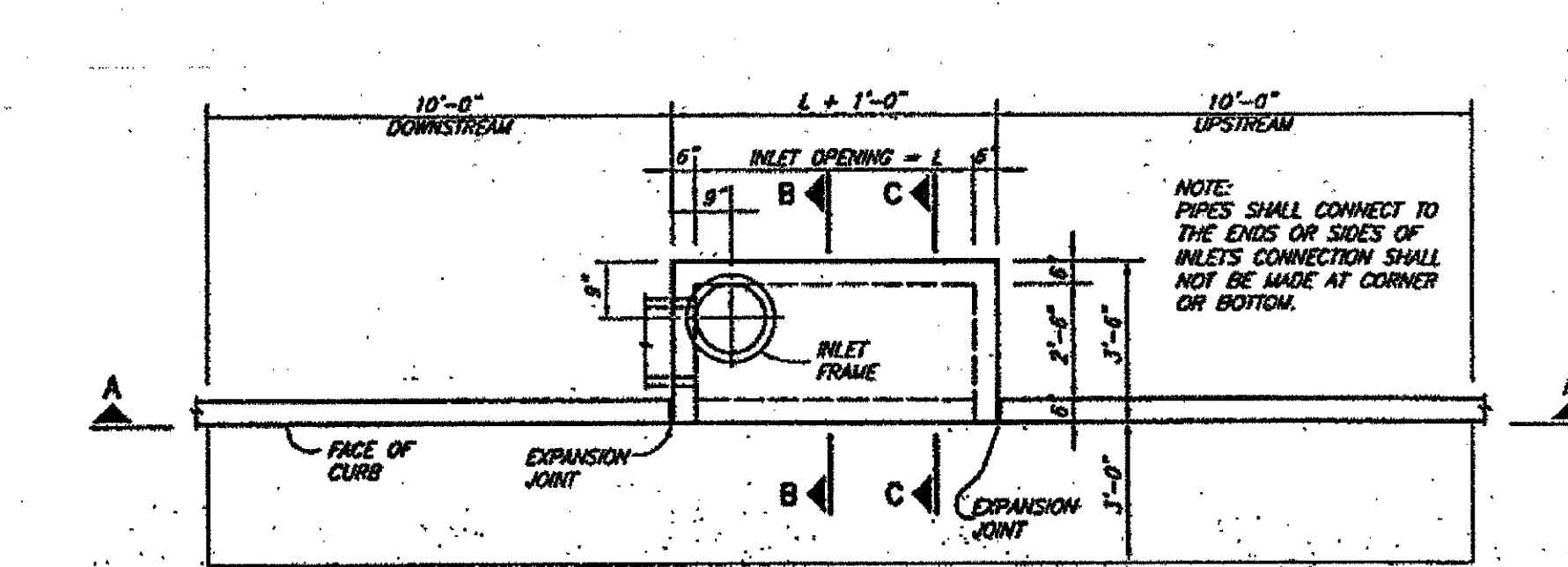


6 TICKET KIOSK UTILITY BOX DETAIL  
SCALE: 3" = 1'-0"

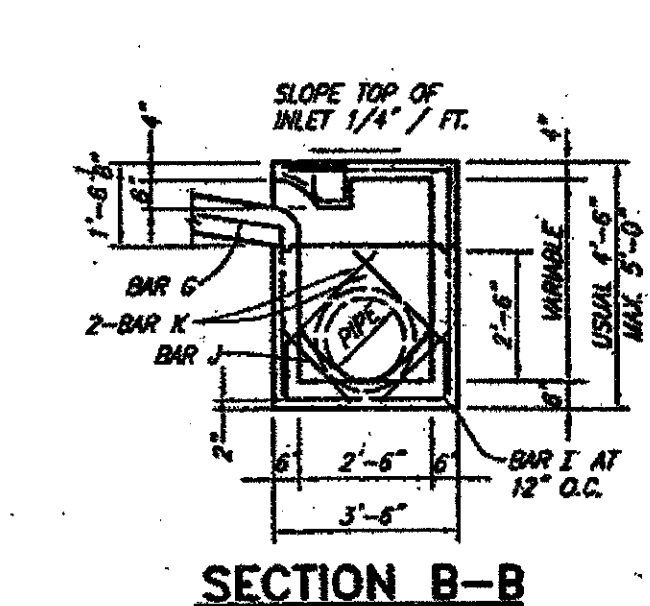


REINFORCING STEEL SCHEDULE  
DIMENSIONS SHOWN ARE FOR MAXIMUM SIZE INLETS

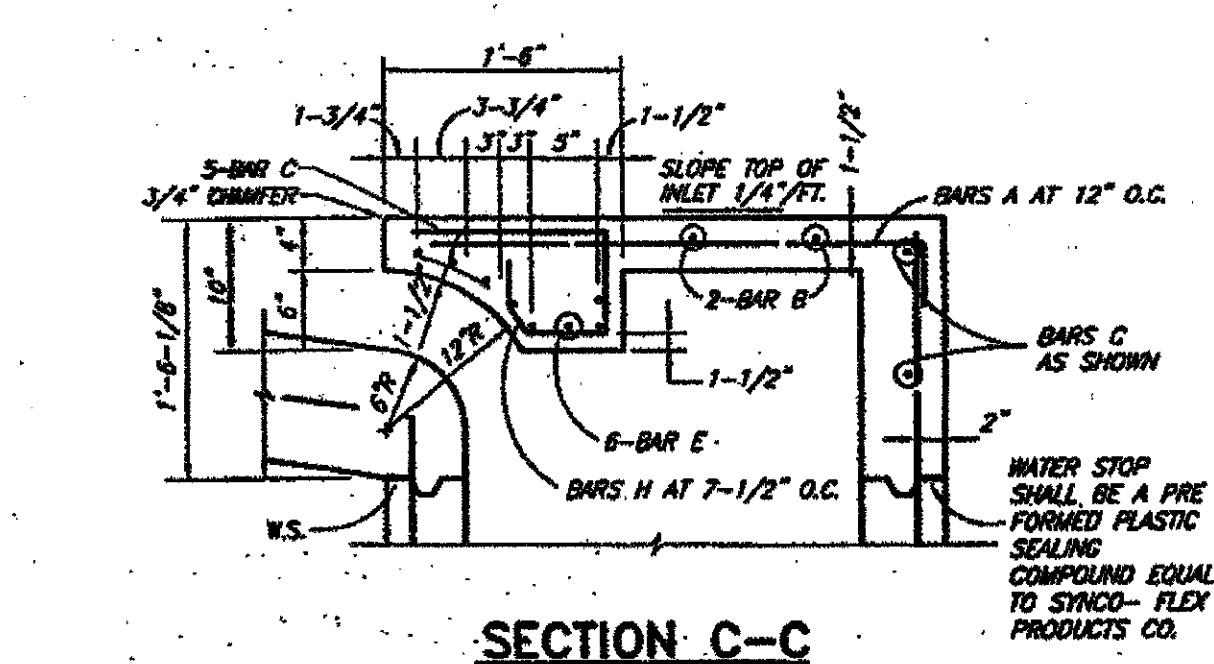
Bar	A	B	C	D	E	F	G	H	I	J
1	3	1	4	10	0	3	1	4	10	0
2	4	15	6	8	0	6	1	4	10	0
3	4	5	4	8	1	4	1	4	10	0
4	4	7	3	2	1	4	1	4	10	0
5	3	3	2	2	1	3	1	3	2	1
6	3	3	2	2	1	3	1	3	2	1



1 PLAN - STANDARD INLET  
6 FOOT INLETS

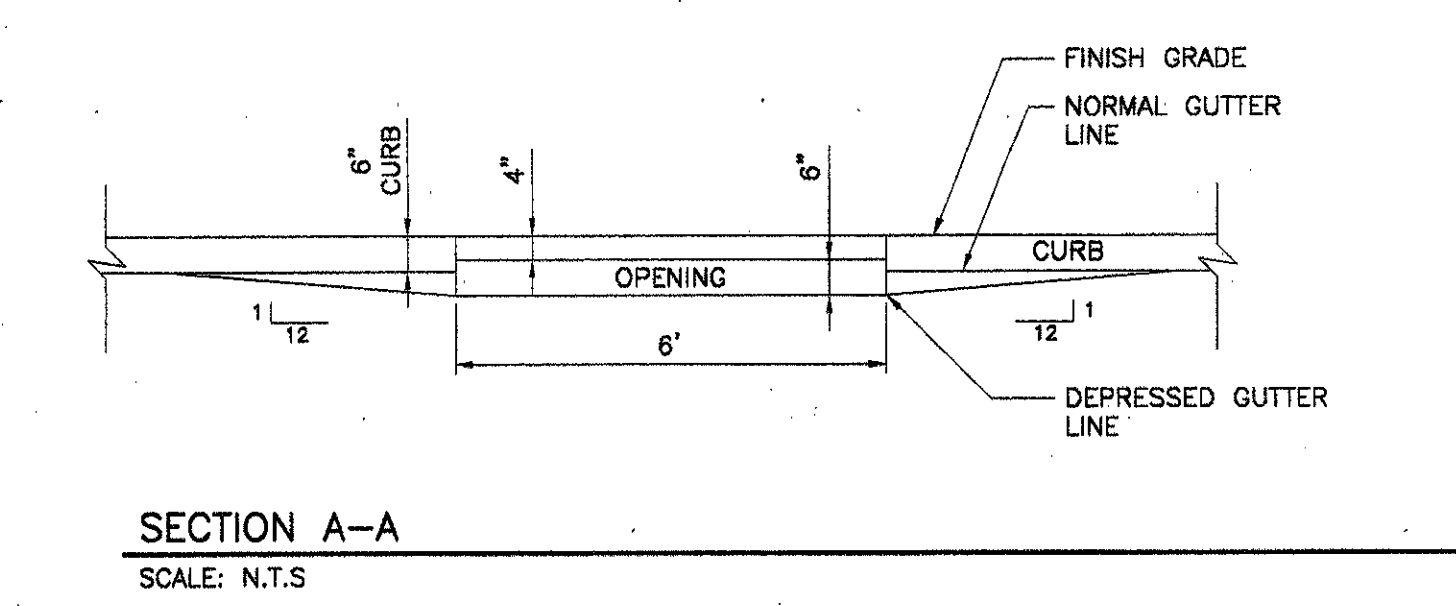


SECTION B-B

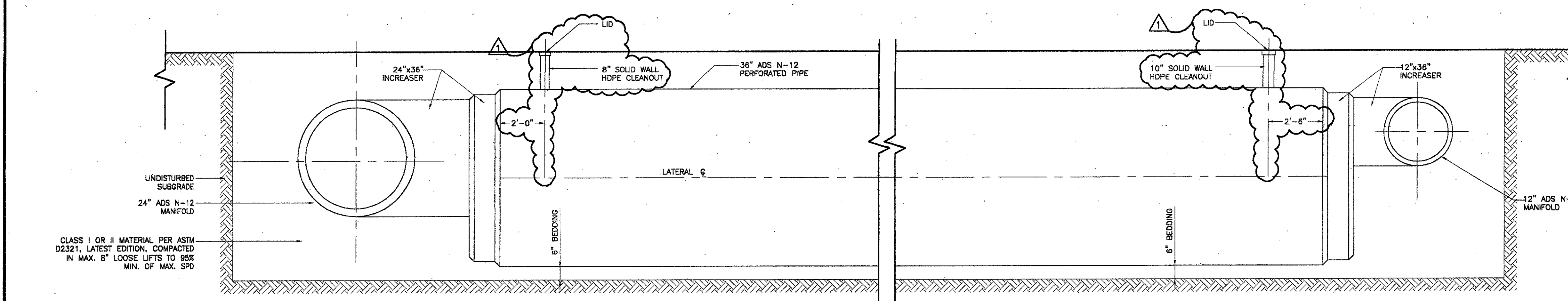


SECTION C-C

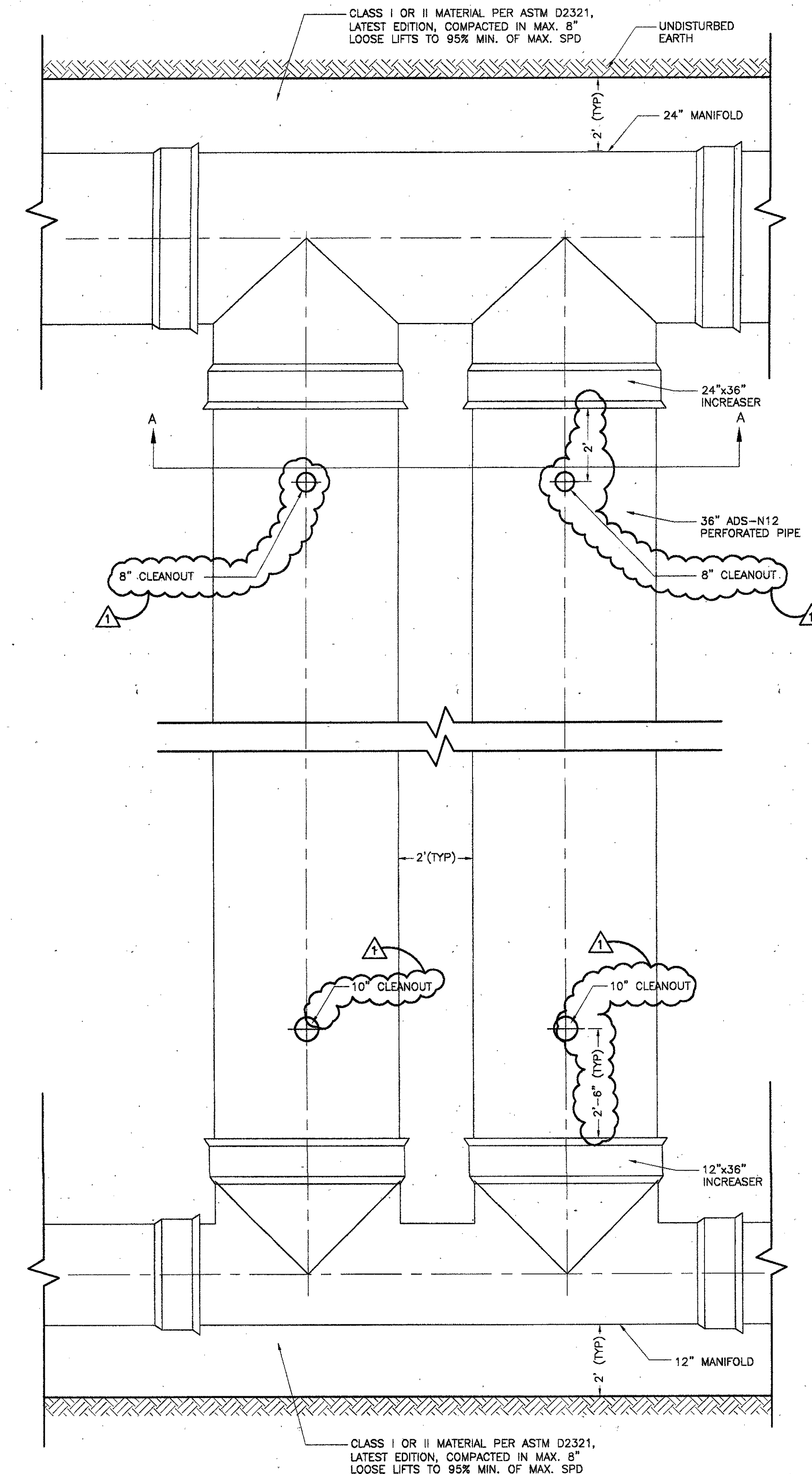
NOTES:  
THE FLOOR OF THE EXCAVATION FOR INLET BOX MUST PROVIDE A FIRM, LEVEL BED FOR THE BASE SECTION TO REST UPON.  
A MINIMUM OF 6 INCHES OF 1" DIAMETER (MAXIMUM) ROCK OR GRAVEL SHALL BE USED TO PREPARE THE BEDDING TO FINAL GRADE OR LEV OF THIS, AT LEAST 6 INCHES OF 3-SACK CEMENT STABILIZED SAND SHALL BE USED TO PREPARE THE BEDDING TO GRADE. CEMENT STABILIZED SAND SHALL BE ALLOWED TO SET BY KEEPING HOLE PUMPED DRY.  
AFTER CASING HAS BEEN INSTALLED ON THE PROPER BEDDING, THE BACKFILL MATERIAL, WHICH IS FREE FLOWING AND FREE OF ROCKS, IN EXCESS OF 4" DIAMETER AND OTHER LUMPS WHICH WOULD PREVENT PROPER CONSTRUCTION, SHALL BE COMMENCED IN LIFTS OF NO MORE THAN 18". THE MATERIAL USED FOR BACKFILL SHOULD BE A TYPE SUITABLE TO OBTAIN THE DENSITY REQUIREMENTS FOR THE SPECIFIC JOB.



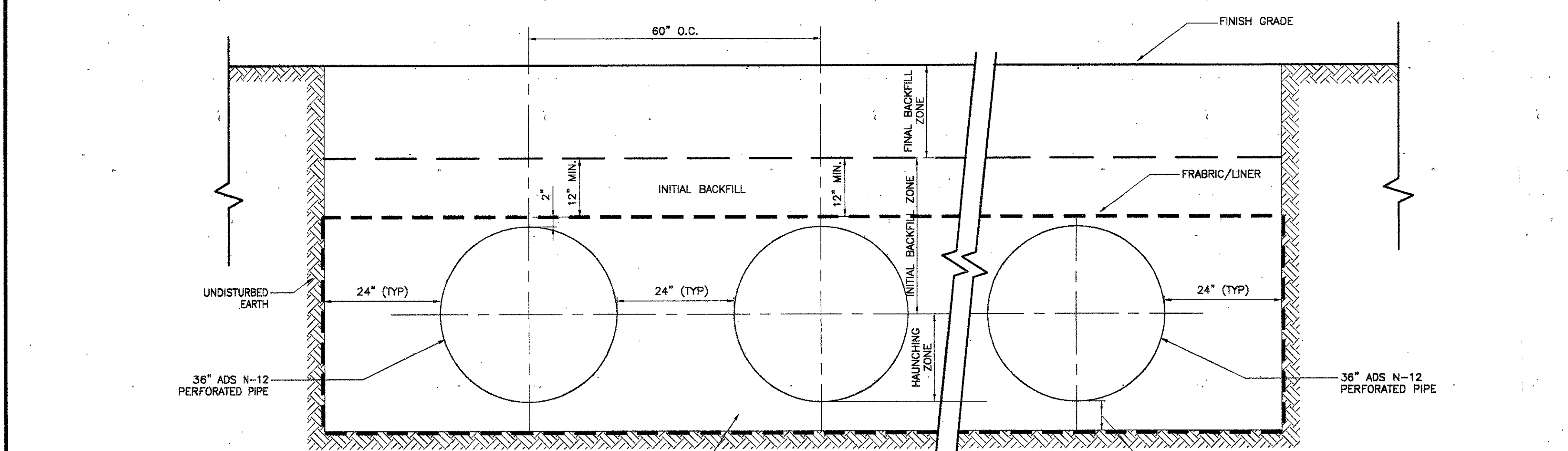
SECTION A-A  
SCALE: N.T.S.



3 TYPICAL CLEANOUT DETAIL (SECTION B-B)  
SCALE: N.T.S.



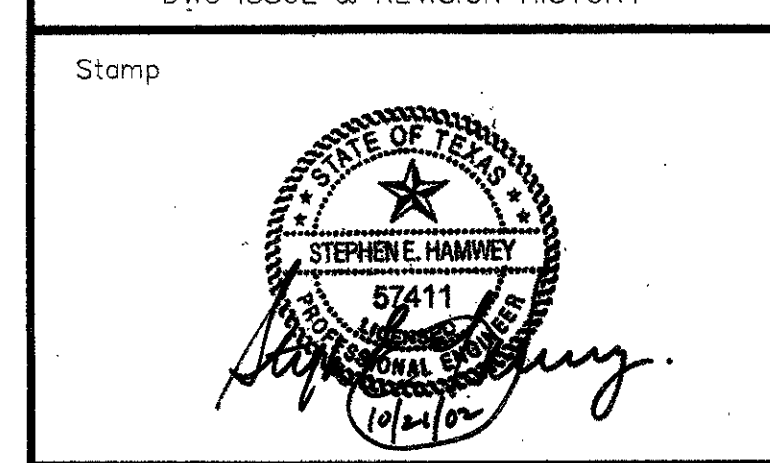
2 TYPICAL LAYOUT OF RETENTION FIELD  
SCALE: N.T.S.



4 CROSS SECTION A-A OF RETENTION FIELD  
N.T.S.

- INSTALLATION:**
- CLASS I MATERIAL: ANGULAR CRUSHED STONE OR ROCK, DENSE OR OPEN GRADED WITH LITTLE OR NO FINES (1/4 INCH TO 1 1/2 INCHES IN SIZE).
  - CLASS II MATERIAL: (OW, GP, SW, SP, GW-CG, SP-SM) CLEAN, COARSE GRAINED MATERIALS, SUCH AS GRAVEL, COARSE SANDS AND GRAVEL/SAND MIXTURES (1 1/2 INCHES MAXIMUM SIZE), (ASHTO CLASSIFICATIONS A1 & A3).
  - A STABLE FOUNDATION MUST BE PROVIDED TO INSURE PROPER LINE AND GRADE IS MAINTAINED.
  - A STABLE AND UNIFORM BEDDING SHALL BE PROVIDED FOR THE PIPE AND ANY PROTRUDING FEATURES OF ITS JOINTS AND/OR FITTINGS. THE MIDDLE OF THE BEDDING EQUAL TO 1/3 OF THE PIPE O.D. SHALL BE LOOSELY PLACED WITH THE REMAINDER COMPACTED TO A MINIMUM OF 90% STANDARD PROCTOR DENSITY.
  - HAUNCHING MATERIALS MAY BE CLASS I OR II AND MUST BE PLACED AND COMPACTED IN 6 INCHES MAXIMUM LIFTS, COMPACTED TO 90% STANDARD PROCTOR DENSITY. EMBEDMENT MATERIALS SHALL BE WORKED UNDER THE HAUNCHES BY HAND.
  - INITIAL BACKFILL MATERIAL SHALL BE CLASS I OR II, HOWEVER: CLASS I MATERIAL MUST BE USED IN WET TRENCHES IF CLASS I BEDDING AND HAUNCHING MATERIALS ARE USED. CLASS II MATERIALS MUST BE COMPACTED IN 6 INCHES LIFTS TO 90% STANDARD PROCTOR DENSITY.
  - THE FINAL BACKFILL SHALL BE THE SAME MATERIAL AS THE EMBANKMENT. THE FINAL BACKFILL SHALL BE PLACED IN 12 INCHES MAXIMUM LIFTS AND COMPACTED TO A MINIMUM 85% STANDARD PROCTOR DENSITY. COMPACTON SHALL BE PERFORMED AT OPTIMUM MOISTURE CONTENT.
- MAINTENANCE:**
- FIELD SYSTEM IS PRONE TO FAILURE DUE TO CLOGGING. THE USE OF PRETREATMENT Bmps WILL MINIMIZE FAILURE AND MAINTENANCE REQUIREMENTS. AGGRESSIVE MAINTENANCE PLANS AND SCHEDULE SHOULD ALSO HELP TO PRESERVE THE EFFECTIVENESS OF THE SYSTEM.
  - PRETREATMENT Bmps (CATCH BASINS, AREA DRAINS, DRAIN MAHOLES) SHOULD BE INSPECTED AND CLEANED AT A MINIMUM DURING THE REGULAR BI-ANNUAL CHECKS, AND MORE FREQUENTLY IF POSSIBLE. WATERCOURSE SWALE SHOULD BE CLEARED OF ACCUMULATED SEDIMENT, MOWED, AND TRASH SHOULD BE REMOVED.
  - AFTER CONSTRUCTION, FIELD SHOULD BE INSPECTED EVERY MAJOR STORM FOR THE FIRST SEVERAL MONTHS TO ENSURE PROPER STABILIZATION AND FUNCTION. THEREAFTER, THE FIELD SHOULD BE INSPECTED AT LEAST TWICE PER YEAR. WATER LEVELS IN THE OBSERVATION WELL (4\"/>
  - PONDED WATER INSIDE THE TRENCH (AS VISIBLE FROM THE CLEAN OUT PORT) AFTER 24 HOURS OR SEVERAL DAYS MOST LIKELY INDICATES THAT THE BOTTOM OF THE FIELD IS CLOGGED.
  - WATER PONDED AT THE SURFACE OF THE FIELD MAY INDICATE ONLY SURFACE CLOGGING. FOR SURFACE CLOGGING, THE TOPSOIL OR FIRST LAYER OF STONE AGGREGATE AND THE FILTER FABRIC MUST BE REMOVED AND REPLACED.
  - PONDING WATER IN TRENCH INDICATES FAILURE FROM THE BOTTOM. IN THIS CASE, ALL OF THE STONE AGGREGATE AND FILTER FABRIC OR MEDIA MUST BE REMOVED AND REPLACED. ACCUMULATED SEDIMENT SHOULD BE REMOVED FROM THE FIELD BOTTOM.

ADDENDUM #2	10-21-02
ISSUED FOR CONSTRUCTION	09-30-02
No. Description	Date



Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
ADDISON, TEXAS

Drawing Title:  
**SITE DETAILS DRAINAGE**

Project No. 14516.00 Scale: AS NOTED  
Drawn By: SJM  
Checked By: TC  
Approved By: SEH  
Date: September 30, 2002

Drawing No. **C8-8**

Number	Northing	Easting	Elevation	Raw Desc
1	12320.7279	9776.2985	636.970	TBM-1
2	12448.6806	10874.3582	622.450	TBM-1A
3	12655.2926	10392.6203	633.200	TBM-2
10000	12323.6944	9916.0779	.	EDGE OF WALL
10001	12277.1280	9996.2994	.	EDGE OF WALL
10002	12304.5651	9933.9722	.	EDGE OF STAGE
10003	12283.1796	9970.8138	.	EDGE OF STAGE
10004	12203.7275	9894.2528	.	CENTER OF TRANSFORMER
10005	12325.1175	10190.3616	.	LIGHT
10006	12632.0938	10432.6135	.	CENTER OF TRANSFORMER
10007	12677.7888	10611.8951	.	EDGE OF LAWN
10009	12432.2043	10702.9445	.	REINFORCED EARTH
10010	12391.5556	10726.5386	.	REINFORCED EARTH
10011	12347.3020	10669.7206	.	REINFORCED EARTH
10012	12517.7856	10264.9153	.	REINFORCED EARTH
10013	12502.6650	10281.6761	.	REINFORCED EARTH
10014	12464.3706	10317.4900	.	REINFORCED EARTH
10015	12510.5388	10342.3415	.	REINFORCED EARTH
10016	12529.4371	10354.6870	.	REINFORCED EARTH
10017	12307.2716	10027.9570	.	REINFORCED EARTH
10018	12337.8952	10029.9790	.	REINFORCED EARTH
10019	12380.3088	10002.5670	.	REINFORCED EARTH
10020	12383.0774	9952.1422	.	REINFORCED EARTH
10021	12366.1340	9926.5529	.	REINFORCED EARTH
10022	12408.4165	10018.8828	.	CENTER OF ELLIPSE
10023	12599.8418	10859.2864	.	EDGE OF WALL
10024	12554.0086	10860.0044	.	EDGE OF WALL
10025	12509.3229	10860.5253	.	EDGE OF WALL
10026	12473.3266	10860.4444	.	EDGE OF WALL
10027	12429.2770	10860.7372	.	EDGE OF WALL
10028	12393.3007	10862.0147	.	EDGE OF WALL
10030	12435.7391	9877.7952	.	REINFORCED EARTH
10031	12426.4549	9806.2623	.	REINFORCED EARTH
10032	12411.5797	9808.1929	.	REINFORCED EARTH
10033	12419.9458	9872.6523	.	REINFORCED EARTH
10034	12357.2936	9864.1097	.	REINFORCED EARTH
10035	12351.3318	9818.1752	.	REINFORCED EARTH
10036	12336.4566	9820.1059	.	REINFORCED EARTH
10037	12342.2487	9864.7334	.	REINFORCED EARTH
10038	12268.8076	10081.5909	.	REINFORCED EARTH
10039	12232.1658	10140.2763	.	REINFORCED EARTH
10040	12259.1637	10068.7143	.	REINFORCED EARTH
10041	12219.4423	10132.3320	.	REINFORCED EARTH
10042	12534.7131	10432.1461	.	REINFORCED EARTH
10043	12541.1486	10481.7302	.	REINFORCED EARTH
10044	12526.2733	10483.6609	.	REINFORCED EARTH
10045	12519.8379	10434.0767	.	REINFORCED EARTH
10046	12450.4201	10443.0863	.	REINFORCED EARTH
10047	12456.8556	10492.6705	.	REINFORCED EARTH
10048	12441.9804	10494.6012	.	REINFORCED EARTH
10049	12435.5449	10445.0170	.	REINFORCED EARTH
10050	12348.7164	10159.4741	.	REINFORCED EARTH
10051	12322.8692	10200.8708	.	REINFORCED EARTH
10052	12339.2747	10146.2736	.	REINFORCED EARTH
10053	12310.1457	10192.9265	.	REINFORCED EARTH
10100	12127.7116	9780.9507	.	18" RCP INTERSECT. EX. DRAIN PIPE
10101	12145.4560	9838.0792	.	DMH 3
10102	12413.5651	9803.2543	.	DMH 2
10103	12356.0758	9856.6111	.	DMH 1
10104	12365.1285	9911.6762	.	AREA DRAIN 2
10105	12313.2281	9822.1108	.	AREA DRAIN 1
10106	12230.0773	9906.7359	.	AREA DRAIN 3
10107	12233.2867	9926.0716	.	TRENCH DRAIN
10108	12230.6285	9931.4506	.	TRENCH DRAIN
10109	12219.4831	9955.6813	.	DMH 4A
10110	12230.0038	10066.3534	.	DMH 4
10111	12294.0972	10031.3164	.	AREA DRAIN 5
10112	12229.8831	10149.7598	.	DMH 5
10113	12232.2445	10188.0069	.	AREA DRAIN 6
10114	12232.2766	10144.7098	.	COR. RET. FIELD 2
10115	12257.2074	10104.8552	.	COR. RET. FIELD 2
10116	12333.5029	10152.5941	.	COR. RET. FIELD 2
10117	12308.5773	10192.4402	.	COR. RET. FIELD 2
10118	12307.8326	10192.4971	.	DMH 6
10119	12194.7521	10205.8088	.	DMH 7
10120	12208.1548	10215.8330	.	CURB INLET 3
10121	12184.3547	10218.9242	.	CURB INLET 4
10122	12236.0596	10430.8321	.	CURB INLET 5
10123	12212.3003	10434.2372	.	CURB INLET 6
10124	12260.2687	10441.6745	.	AREA DRAIN 11
10125	12235.4605	10519.4091	.	DMH 10
10126	12451.6670	10491.6124	.	DMH 9
10127	12456.4622	10493.4445	.	COR. OF RET. FIELD 3
10128	12452.3408	10461.7109	.	COR. OF RET. FIELD 3
10129	12525.8792	10484.4288	.	COR. OF RET. FIELD 3
10130	12521.7581	10452.6978	.	COR. OF RET. FIELD 3
10131	12520.5792	10452.4432	.	DMH 8
10132	12547.5899	10408.3540	.	AREA DRAIN 8
10133	12411.6287	10423.2638	.	AREA DRAIN 9
10134	12382.2792	10431.9948	.	AREA DRAIN 10
10135	12260.5603	10619.6014	.	CATCH BASIN 7
10136	12236.7636	10622.7191	.	CATCH BASIN 8
10137	12273.2253	10810.4119	.	DMH 11
10138	12315.0090	10819.4086	.	AREA DRAIN 16
10139	12345.5764	10840.0434	.	AREA DRAIN 17
10140	12362.8729	10757.0515	.	AREA DRAIN 15
10141	12446.6166	10706.8792	.	AREA DRAIN 14
10142	12411.4192	10623.5805	.	AREA DRAIN 12
10143	12513.2586	10667.2476	.	AREA DRAIN 13
10144	12288.5132	10834.9734	.	CURB INLET 9
10145	12264.7131	10838.0645	.	CURB INLET 10
10146	12277.5374	10843.6355	.	END OF 15" RCP
10147	12149.3782	10906.8401	.	36" RCP CONNECT TO EXISTING 60"
10149	12158.0172	9827.0016	.	CURB INLET 1
10150	12133.5798	9829.7040	.	CURB INLET 2
10151	12355.2919	9816.6384	.	COR. OF RET-FIELD 1
10152	12360.8849	9858.2643	.	COR. OF RET-FIELD 1
10153	12420.3506	9850.2743	.	COR. OF RET-FIELD 1

Number	Northing	Easting	Elevation	Raw Desc
10154	12414.7532	9808.6489	.	COR. OF RET-FIELD 1
10155	12140.7000	9822.4054	.	15" DOUBLE WYE/18" RCP
10156	12173.4891	9834.3722	.	8" WYE/18" RCP
10157	12197.5423	10227.2963	.	15" DOUBLE WYE/18" RCP
10158	12225.0198	10439.0004	.	15" DOUBLE WYE/18" RCP
10159	12249.2091	10625.3767	.	15" DOUBLE WYE/24" RCP
10160	12275.8240	10830.4371	.	15" DOUBLE WYE/15" RCP
10161	12283.2244	10804.4443	.	15" WYE/24" RCP
10162	12612.2003	10162.1668	.	AREA DRAIN 7
10163	12651.6768	10163.1498	.	18" RCP WYE/EX. DRAIN PIPE
10200	12236.7970	10588.0142	.	SMH 1
10201	12199.7218	10592.6760	.	4" CLEANOUT
10202	12257.1777	10560.1215	.	4" CLEANOUT
10203	12233.0631	10559.2454	.	6" WYE CONN
10204	12176.4838	10414.1215	.	4" CLEANOUT
10205	12235.3094	10392.5061	.	4" CLEANOUT
10206	12213.0925	10405.3749	.	8" WYE CONN
10207	12211.2962	10391.6495	.	6" WYE CONN
10208	12204.5696	10339.7014	.	8" WYE CONN
10209	12167.9610	10348.4480	.	4" CLEANOUT
10210	12197.9215	10288.4069	.	6" WYE CONN
10211	12221.9573	10289.2538	.	4" CLEANOUT
10212	12187.8925	10211.2179	.	SMH 2
10213	12178.4256	10138.1212	.	6" WYE CONN
10214	12201.5576	10131.1415	.	4" CLEANOUT
10215	12149.0633	9912.0443	.	6" WYE CONN
10216	12172.1607	9905.1082	.	4" 4" CLEANOUT
10217	12141.7976	9856.0683	.	SMH 3
10218	12104.7399	9860.9461	.	4" CLEANOUT
10219	12338.1840	10780.4262	.	SMH 4
10220	12572.1170	10645.1545	.	SMH 5
10221	12609.3759	10658.3342	.	SMH 6
10222	12629.1005	10812.2052	.	SMH 7
10223	12666.7316	10822.0846	.	8" SEWER PIPE TO EX. SMH
10224	12626.0754	10656.0801	.	4" CLEANOUT
10225	12607.8374	9932.4054	.	4" CLEANOUT
10226	12612.0286	9964.2871	.	6" SEWER PIPE TO EX. SMH
10227	12607.5401	9929.7275	.	6" STUB OUT CAP
10228	12628.6431	10655.7466	.	6" STUB OUT CAP
10229	12259.7686	10559.7696	.	6" STUB OUT CAP
10230	12196.6773	10593.0712	.	8" STUB OUT CAP
10231	12173.4393	10414.5164	.	8" STUB OUT CAP
10232	12238.0017	10392.1738	.	6" STUB OUT CAP
10233	12224.6270	10288.9312	.	6" STUB OUT CAP
10234	12164.9164	10348.8429	.	8" STUB OUT CAP
10235	12204.1112	10130.7925	.	6" STUB OUT CAP
10236	12174.7489	9904.7156	.	6" STUB OUT CAP
10237	12101.6344	9861.2811	.	8" STUB OUT CAP
10238	12132.1643	9836.0704	.	PROPOSED HYDRANT
10239	12145.5575	9791.0302	.	24" X12" TEE ON ADDISON CIRCLE
10240	12103.1423	9872.9030	.	8" W STUB OUT CAP
10241	12105.9432	9894.4787	.	YARD HYDRANT A
10242	12182.7458	9891.8663	.	YARD HYDRANT A
10243	12192.9142	9970.2153	.	YARD HYDRANT A
10244	12206.9410	10078.4143	.	YARD HYDRANT A
10245	12202.5973	10119.0474	.	YARD HYDRANT - NOT USED
10246	12143.5216	10060.4869	.	PROPOSED FIRE HYDRANT
10247	12139.8013	10155.3464	.	YARD HYDRANT A
10248	12219.2271	10173.1415	.	YARD HYDRANT A
10249	12201.5284	10222.2716	.	12" X8" TEE
10250	11803.6959	10273.9077	.	8" WATER
10251	12232.2489	10249.3190	.	8" X8" TEE
10252	12251.0392	10278.3497	.	YARD HYDRANT - NOT USED
10253	12235.6771	10299.9727	.	YARD HYDRANT A
10254	12179.0209	10334.0160	.	FIRE HYDRANT
10255	12166.2611	10359.2568	.	8" W WATER CAP
10256	12174.8698	10425.5487	.	8" W WATER CAP
10257	12175.1476	10427.6808	.	YARD HYDRANT A
10258	12214.1174	10604.4099	.	FIRE HYDRANT
10259	12236.2395	10759.9695	.	YARD HYDRANT - NOT USED
10260	12219.0553	10765.9688	.	8" W STUB OUT CAP
10261	12259.6166	10891.4514	.	FIRE HYDRANT - NOT USED
10262	12296.9400	10957.3930	.	24" X12" TEE
10263	12271.2163	10759.1988	.	12" x 8" TEE
10264	12284.5794	10652.7922	.	8" WATER
10265	12275.5387	10607.3094	.	YARD HYDRANT A
10266	12261.2411	10570.8827	.	YARD HYDRANT - NOT USED
10267	12262.0552	10503.3505	.	YARD HYDRANT A
10268	12248.9678	10402.4452	.	YARD HYDRANT A
10269	12264.5649	10382.4922	.	YARD HYDRANT - NOT USED
10270	12433.0337	10706.8221	.	12" X2" CONNECTION
10271	12487.7425	10807.3434	.	DRINKING FOUNTAIN
10272	12491.0009	10805.4279	.	1/2" WATER PIPE
10273	12556.5005	10634.2398	.	8" X4" CONNECTION
10274	12587.1264	10686.3363	.	4" WATER PIPE
10275	12534.6907	10717.1616	.	4" WATER PIPE
10276	12590.5196	10614.2410	.	8" WATER PIPE
10277	12598.5476	10613.1998	.	8" X8" TEE
10278	12602.1924	10641.2821	.	6" WATER PIPE
10279	12626.3571	10638.1457	.	6" W STUB OUT CAP
10280	12572.5627	10412.9848	.	8" X2" WATER CONNECTION
10281	12618.4864	10422.2815	.	DRINKING FOUNTAIN
10282	12546.0337	10208.5933	.	8" X8" TEE
10283	12514.5137	10202.1496	.	YARD HYDRANT A
10284	12622.2171	10198.7056	.	2" WATER
10285	12605.4589	10069.6746	.	1/2" WATER PIPE

**ELECTRICAL ABBREVIATIONS**

(ALL ABBREVIATIONS MAY NOT APPEAR ON DRAWINGS.)

2SCP	2-SPEED, CONSEQUENT POLE	FLEX	FLEXIBLE	NFS	NON-FUSIBLE SAFETY SWITCH
2SSW	2-SPEED, SEPARATE WINDING	FS	FUSIBLE SAFETY SWITCH OR FUSIBLE SWITCH	NIC	NOT IN CONTRACT
A	AMPERE(S)	FVNR	FULL VOLTAGE, NON-REVERSING	NO	NORMALLY OPEN
AC	ALTERNATING CURRENT	FVR	FULL VOLTAGE, REVERSING	NTS	NOT TO SCALE
ACCU	AIR-COOLED CONDENSING UNIT	G	GROUND	OH	OVERHEAD
ADA	AMERICANS WITH DISABILITIES ACT	GFI	GROUND FAULT CIRCUIT INTERRUPT	P	POLE(S)
AFF	ABOVE FINISHED FLOOR	HOA	HIGH INTENSITY DISCHARGE	PA	PUBLIC ADDRESS SYSTEM
AFC	ABOVE FINISHED CEILING	HOA	HAND-OFF-AUTOMATIC	PF	POWER FACTOR
AFG	ABOVE FINISHED GRADE	HP	HORSEPOWER	PL	PILOT LIGHT
AHU	AIR HANDLING UNIT	HPS	HIGH PRESSURE SODIUM	PNL	PANELBOARD
AIC	AMPERE INTERRUPTING CAPACITY(ROOF MEAN SQUARE ALTERNATE)	HVAC	HEATING, VENTILATION AND AIR CONDITIONING	PVC	POLYVINYL CHLORIDE
ALT	ALTERNATE	HZ	HERTZ	RC	REMOTE CONTROL
APPROX	APPROXIMATE OR APPROXIMATELY	IG	ISOLATED GROUND	RCP	REFLECTED CEILING PLAN
ARCH	ARCHITECT	IMC	INTERMEDIATE METALLIC CONDUIT	REC	RECEPTACLES(S)
ATS	AUTOMATIC TRANSFER SWITCH	JBOX	JUNCTION BOX	RGS	RIGID GALVANIZED STEEL
AUX	AUXILIARY	KA	KILOAMPERE(S)	RVSS	REDUCED VOLTAGE, SOLID STATE
AWG	AMERICAN WIRE GAGE	KW	KILOWATTS(S)	SF	SQUARE FOOT OR FEET
BFC	BELOW FINISHED CEILING	KWH	KILOWATT-HOUR(S)	SPDT	SINGLE-POLE, DOUBLE-THROW
BFG	BELOW FINISHED GRADE	KV	KILOVOLT(S)	SPST	SINGLE-POLE, SINGLE-THROW
BLDG	BUILDING	KVA	KILOVOLT-AMPERE(S)	SS	START-STOP
C	CONDUIT OR TUBING	KVAR	KILOVOLT-AMPERE(S) REACTIVE	SW	SWITCH
CATV	CABLE TELEVISION	LPS	LOW PRESSURE SODIUM	SWBD	SWITCHBOARD
CB	CIRCUIT BREAKER	LTG	LIGHTING	TA	TRIP AMPERE(S)
CCTV	CLOSED-CIRCUIT TELEVISION	m	METER(S)	TAS	TEXAS ACCESSIBILITY STANDARDS
CKT	CIRCUIT	MAX	MAXIMUM	TEL	TELEPHONE
CLG	CEILING	MCB	MAIN CIRCUIT BREAKER	TEMP	TEMPORARY
COMM	COMMUNICATIONS	MCC	MOTOR CONTROL CENTER	TU	TEXAS UTILITIES ELECTRIC
CT(S)	CURRENT TRANSFORMER(S)	MCP	MOTOR CIRCUIT PROTECTOR	TV	TELEVISION
DC	DIRECT CURRENT	MH	METAL HALIDE	Typ	TYPICAL
DISC	DISCONNECT	MIC	MICROPHONE	UG	UNDERGROUND
DPDT	DOUBLE-POLE, DOUBLE THROW	MIN	MINIMUM	UL	UNDERWRITERS LABORATORIES, INC.
DPST	DOUBLE POLE, SINGLE THROW	MLO	MAIN LUGS ONLY	UNO	UNLESS NOTED OTHERWISE
DWG(S)	DRAWING(S)	mm	MILLIMETER(S)	UPS	UNINTERRUPTIBLE POWER SUPPLY
EC	EMPTY CONDUIT OR TUBING	MMS	MANUAL MOTOR STARTER	V	VOLTAGE OR VOLT(S)
EGS	ENGINE-GENERATOR SET	MTS	MANUAL TRANSFER SWITCH	VA	VOLT-AMPERE(S)
EHH	ELECTRICAL HANDHOLE	MVA	MEGAVOLT-AMPERE(S)	VFD	VARIABLE FREQUENCY DRIVE
ELEV	ELEVATION	MVAR	MEGAVOLT-AMPERE(S) REACTIVE	W	WATT(S)
EMERG	EMERGENCY	MW	MEGAWATT(S)	WP	WEATHERPROOF
EMH	ELECTRICAL MANHOLE	NC	NORMALLY CLOSED	W/	WITH
EMT	ELECTRICAL METALLIC TUBING	NEC	NATIONAL ELECTRICAL CODE	W/O	WITHOUT
EWC	ELECTRICAL WATER COOLER	NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION	XFMR	TRANSFORMER
EX	EXISTING	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	XP	EXPLOSION-PROOF
F	FUSE(S)				
FAAP	FIRE ALARM ANNUNCIATOR PANEL				
FACP	FIRE ALARM CONTROL PANEL				
FBO	FURNISHED BY OWNER				
FL	FLOOR				
FLA	FULL LOAD AMPERE(S)				

**ELECTRICAL SYMBOLS LIST**

(ALL SYMBOLS MAY NOT APPEAR ON DRAWINGS.)

	— CEILING-MOUNTED RECESSED, SURFACE OR SUSPENDED LIGHT FIXTURE.		— SINGLE-POLE SWITCH AT 48" ABOVE FINISHED FLOOR UNO.
	— CEILING-MOUNTED RECESSED, SURFACE OR SUSPENDED EMERGENCY LIGHT FIXTURE.		— TWO-POLE SWITCH AT 48" ABOVE FINISHED FLOOR UNO.
	— WALL-MOUNTED RECESSED OR SURFACE LIGHT FIXTURE.		— THREE-WAY SWITCH AT 48" ABOVE FINISHED FLOOR UNO.
	— CEILING-MOUNTED RECESSED, SURFACE OR SUSPENDED INDIVIDUAL LIGHT FIXTURE.		— FOUR-WAY SWITCH AT 48" ABOVE FINISHED FLOOR UNO.
	— CEILING-MOUNTED RECESSED, SURFACE OR SUSPENDED INDIVIDUAL EMERGENCY LIGHT FIXTURE.		— KEY-OPERATED SWITCH AT 48" ABOVE FINISHED FLOOR UNO.
	— CEILING-MOUNTED RECESSED, SURFACE OR SUSPENDED INDIVIDUAL LIGHT FIXTURE.		— SINGLE-POLE SWITCH AND PILOT LIGHT AT 48" ABOVE FINISHED FLOOR UNO.
	— CEILING-MOUNTED RECESSED, SURFACE OR SUSPENDED INDIVIDUAL EMERGENCY LIGHT FIXTURE.		— TIME SWITCH AT 48" ABOVE FINISHED FLOOR UNO.
	— CEILING-MOUNTED RECESSED, SURFACE OR SUSPENDED INDIVIDUAL LIGHT FIXTURE.		— SINGLE-POLE SWITCH WITH WEATHERPROOF COVERPLATE AT 48" ABOVE FINISHED GRADE OR FLOOR UNO.
	— CEILING-MOUNTED RECESSED, SURFACE OR SUSPENDED INDIVIDUAL EMERGENCY LIGHT FIXTURE.		— SINGLE-POLE MOTOR THERMAL OVERLOAD SWITCH
	— CEILING-MOUNTED RECESSED, SURFACE OR SUSPENDED INDIVIDUAL LIGHT FIXTURE.		— NURSE CALL SYSTEM DEVICE; SEE NURSE CALL SYSTEM SCHEDULE ON DRAWINGS.
	— CEILING-MOUNTED RECESSED, SURFACE OR SUSPENDED INDIVIDUAL EMERGENCY LIGHT FIXTURE.		— PAGING SYSTEM DEVICE; SEE PAGING SYSTEM DEVICE SCHEDULE ON DRAWINGS.
	— CEILING-MOUNTED RECESSED, SURFACE OR SUSPENDED CONTINUOUS-ROW LIGHT FIXTURE.		— FIRE ALARM SYSTEM MANUAL PULL STATION AT 48" ABOVE FINISHED FLOOR UNO.
	— CEILING-MOUNTED SURFACE OR SUSPENDED FLUORESCENT STRIP.		— FIRE ALARM SYSTEM SMOKE DETECTOR; SUBSCRIPTED 0 INDICATES DUCT MOUNTING AND SUBSCRIPTED U INDICATES UNDER FLOOR MOUNTING.
	— CEILING-MOUNTED SURFACE OR SUSPENDED FLUORESCENT STRIP ON EMERGENCY.		— FIRE ALARM SYSTEM HEAT DETECTOR
	— WALL WASH DOWNLIGHT; UNSHADED HALF INDICATES ILLUMINATION DIRECTION.		— FIRE ALARM SYSTEM STROBE LIGHT AT 80" AFF OR 6" BFC, WHICHEVER IS LOWER; SUBSCRIPTED 1 INDICATES 110 CANDELA INTENSITY.
	— POLE MOUNTED FLOODLIGHTS (2 LUMINAIRS SHOWN)		— FIRE ALARM SYSTEM HORN AT 90" AFF OR 6" BFC, WHICHEVER IS LOWER.
	— CEILING-MOUNTED SURFACE OR SUSPENDED SINGLE-FACE EXIT SIGN WITH DIRECTIONAL ARROW AS INDICATED; SHADED QUADRANT INDICATES FACE OF SIGN.		— FIRE ALARM SYSTEM BELL AT 90" AFF OR 6" BFC, WHICHEVER IS LOWER.
	— CEILING-MOUNTED SURFACE OR SUSPENDED DOUBLE-FACE EXIT SIGN WITH DIRECTIONAL ARROWS AS INDICATED; SHADED QUADRANT INDICATES FACES OF SIGN.		— FIRE ALARM SYSTEM BELL/STROBE LIGHT AT 80" AFF 1 INDICATES 110 CANDELA INTENSITY.
	— WALL-MOUNTED EXIT SIGN WITH DIRECTIONAL ARROW(S) AS INDICATED; SHADED QUADRANT(S) INDICATE FACE(S) OF SIGN.		— SPRINKLER SYSTEM TAMPER SWITCH
	— EMERGENCY LIGHT FIXTURE		— SPRINKLER SYSTEM FLOW SWITCH
	— JUNCTION BOX		— SPRINKLER SYSTEM PRESSURE SWITCH
	— SINGLE RECEPTACLE; NEMA 5-20R AT 18" ABOVE FINISHED FLOOR UNO.		— CLOCK SYSTEM SINGLE RECEPTACLE; NEMA 5-15R AT 80" ABOVE FINISHED FLOOR UNO.
	— DUPLEX RECEPTACLE; NEMA 5-20R AT 18" ABOVE FINISHED GRADE OR FLOOR UNO.		— SOUND SYSTEM DEVICE; SEE SOUND SYSTEM SCHEDULE ON DRAWINGS.
	— QUADRAPLEX RECEPTACLE; NEMA 5-20R AT 18" ABOVE FINISHED GRADE OR FLOOR UNO.		— SOUND SYSTEM SPEAKER; CEILING-MOUNTED 2-4-OMG, 4" DEEP BOX WITH 1" CONDUIT TO ABOVE NEAREST ACCESSIBLE CEILING
	— RECEPTACLE W/WEATHERPROOF COVERPLATE; DUPLEX NEMA 5-20R 18" ABOVE FINISHED GRADE OR FLOOR UNO.		— PUSHBUTTON
	— GROUND-FAULT CIRCUIT INTERRUPTER RECEPTACLE; DUPLEX NEMA 5-20R 18" ABOVE FINISHED GRADE OR FLOOR UNO.		— ELECTRIC DOOR OPENER
	— ISOLATED GROUND RECEPTACLE; DUPLEX NEMA 5-20R AT 18" ABOVE FINISHED FLOOR UNO		— TELEVISION OUTLET; SINGLE GANG 4" DEEP BOX AT 80" AFF WITH 1" CONDUIT TO ABOVE NEAREST CEILING AND ADJACENT NEMA 5-20R DUPLEX RECEPTACLE.
	— RECEPTACLE MOUNTED n INCHES ABOVE FINISHED FLOOR OR GRADE; NEMA 5-20R UNO		— DUCT SMOKE DETECTOR
	— SPECIAL-PURPOSE RECEPTACLE; SEE SPECIAL-PURPOSE RECEPTACLE; CONNECTION AND FLOOR BOX SCHEDULE ON DRAWING.		— CCTV CAMERA
	— HARDWARE CONNECTION OR PROVISION FOR CONNECTION; SEE SPECIAL-PURPOSE RECEPTACLE; CONNECTION AND FLOOR BOX SCHEDULE ON DRAWING.		— MOTOR SYMBOL; THE NUMBER INSIDE INDICATES HP.
	— MULTIOULET ASSEMBLY		— COMBINATION DISCONNECT SWITCH/MOTOR STARTER.
	— FLOOR-MOUNTED SINGLE RECEPTACLE; NEMA 5-20R UNO		— NON FUSED DISCONNECT SWITCH
	— FLOOR-MOUNTED DUPLEX RECEPTACLE; NEMA 5-20R UNO.		— FUSED DISCONNECT SWITCH
	— FLOOR-MOUNTED SERVICE BOX; SEE SPECIAL PURPOSE RECEPTACLE; CONNECTION AND FLOOR BOX SCHEDULE ON DRAWING.		— LOW VOLTAGE PANEL
	— DATA SYSTEM JACK; SINGLE GANG BOX AT 18" AFF WITH 1" CONDUIT TO ABOVE NEAREST ACCESSIBLE CEILING; SUBSCRIPTED NUMBER MOUNTING HEIGHT AFF		— HIGH VOLTAGE PANEL
	— TELEPHONE SYSTEM VOICE JACK; SINGLE GANG BOX AT 18" AFF WITH 3/4" CONDUIT TO ABOVE NEAREST ACCESSIBLE CEILING; SUBSCRIPTED NUMBER INDICATES MOUNTING HEIGHT AFF UNLESS OTHERWISE INDICATED		— MICROPHONE RECEPTACLE
	— COMBINATION VOICE AND DATA JACK; 2-GANG BOX AT 18" AFF WITH 3/4" AND 1" CONDUITS TO ABOVE NEAREST ACCESSIBLE CEILING; SUBSCRIPTED NUMBER INDICATES MOUNTING HEIGHT AFF		— SWITCH
	— DATA SYSTEM FIBER OPTIC JACK; SINGLE GANG BOX AT 18" AFF WITH 1" CONDUIT TO ABOVE NEAREST ACCESSIBLE CEILING; SUBSCRIPTED NUMBER MOUNTING HEIGHT AFF		— GROUND
			— OVERLOADS
			— CIRCUIT BREAKER
			— TRANSFORMER
			— AUTOMATIC TRANSFER SWITCH
			— GROUND FAULT INTERRUPTING SWITCH

**ELECTRICAL CONVENTIONS**

(ALL CONVENTIONS MAY NOT APPEAR ON DRAWINGS.)

GENERAL NOTES APPLY TO ELECTRICAL DRAWING SET.  
DRAWING NOTES APPLY TO DRAWING ON WHICH NOTE APPEARS.  
SYMBOL NOTES APPLY TO DRAWING ON WHICH AND WHERE SYMBOL APPEARS.  
WIRE SIZES ARE INDICATED BY AMERICAN WIRE GAGE OR CIRCULAR MILS.

LB-3,5 — PANELBOARD, SWITCHBOARD OR MOTOR CONTROL CENTER DESIGNATION; ARROWHEADS INDICATE NUMBER OF BRANCH CIRCUITS

— BRANCH CIRCUIT HOMERUN TO PANELBOARD, SWITCHBOARD OR MOTOR CONTROL CENTER; ARROWHEADS INDICATE NUMBER OF BRANCH CIRCUITS

— WIRE AND RACEWAY RUN CONCEALED IN WALL OR CEILING (3-#12 IN 3/4" RACEWAY UNLESS OTHERWISE NOTED)

— WIRE AND RACEWAY RUN CONCEALED IN WALL OR CEILING (3-#12 IN 3/4" RACEWAY UNLESS OTHERWISE NOTED)

— WIRE AND RACEWAY RUN CONCEALED IN OR BELOW SLAB OR BELOW GRADE (3-#12 IN 3/4" RACEWAY UNLESS OTHERWISE NOTED)

FOR LIGHTING BRANCH CIRCUITS, QUANTITY OF WIRE AND SIZE OF RACEWAY SHALL BE INCREASED AS REQUIRED TO FACILITATE INDICATED SWITCHING AND EMERGENCY LIGHTING OPERATION.

— LIGHT WEIGHT LINES INDICATE EXISTING CONDITIONS UNLESS OTHERWISE NOTED.

— LIGHTING FIXTURE

— LIGHTING FIXTURE DESIGNATION; SEE SCHEDULE ON THIS SHEET

— NUMBER OR LETTER INDICATES ELEVATION OR SECTION

— SHEET NUMBER WHERE ELEVATION OR SECTION IS TAKEN OR DRAWN

— CENTER LINE

— NUMBER OF POLES

— RATING OF SWITCH

— RATING OF FUSES OR NON-FUSIBLE

— NEMA ENCLOSURE TYPE.

3P/60A/NF/3R

— DISCONNECT SWITCH

**SITE LIGHTING FIXTURES**

(REFER DRAWINGS C2-1 & C2-2)

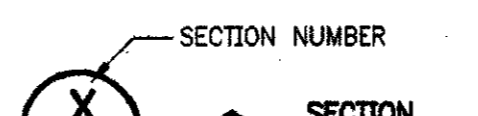
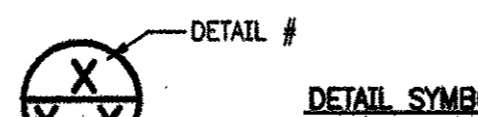
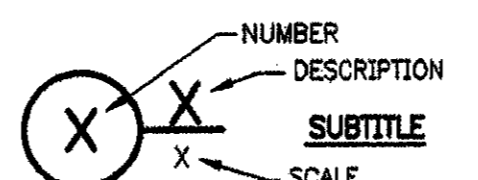
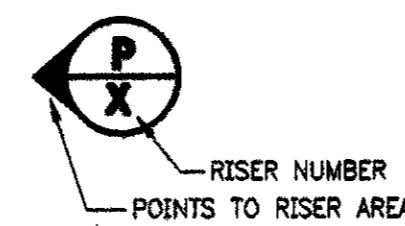
REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION RELATED TO LIGHT FIXTURE MANUFACTURERS AND MODEL NUMBERS, COORDINATE AND VERIFY PROPER VOLTAGES AT SHOP DRAWING SUBMITTAL AND PRIOR TO ORDERING FIXTURES.

	— STREET LIGHT - 277V.
	— WATER GARDEN POLE FIXTURE - 277V.
	— FLOOD LIGHT - 120V.
	— PERGOLA LIGHT (2 PER COLUMN) - 277V.
	— PEDESTRIAN POLE FIXTURES - 277V.
	— DOUBLE LIGHT POLE W/ BANNERS - 277V.
	— FOUNTAIN AND FENCE PYLON LIGHTS - 277V.
	— GARDEN LIGHT - 277V.
	— STEP LIGHT - 277V.

**DRAWING SYMBOLS**

(ALL SYMBOLS MAY NOT APPEAR ON DRAWINGS.)

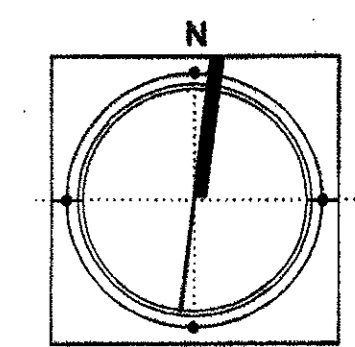
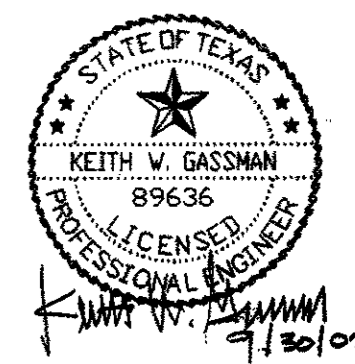
**RISER DIAGRAM SYMBOL**



ISSUED FOR CONSTRUCTION	09-30-02
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No.	Description	Date
DWG ISSUE & REVISION HISTORY		

Stamp

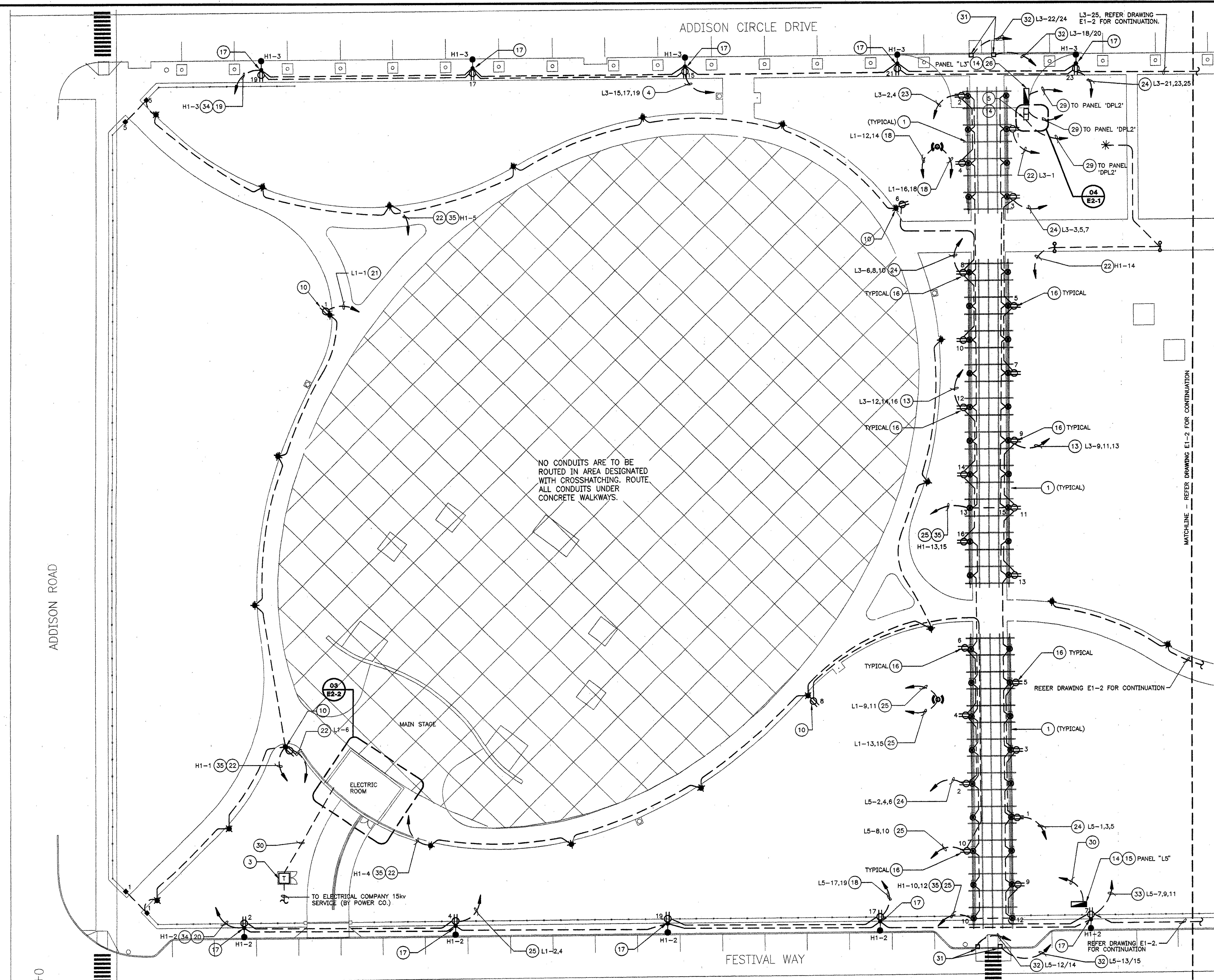


Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
ADDISON, TEXAS

Drawing Title:  
**ELECTRICAL ABBREVIATIONS & SYMBOL LEGEND**

Project No. 14516.00 Scale: NONE  
Drawn By: ARM  
Checked By: KG  
Approved By: KG  
Date: 09/30/2002

Drawing No. **E0-0**



**GENERAL NOTES**

- ALL INDOOR AND OUTDOOR RECEPTACLES SHALL BE HOODED "IN USE" WP/GFI.
- REFERENCE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF LIGHT FIXTURES.
- REFERENCE ARCHITECTURAL DRAWINGS FOR LOCATION AND MOUNTING OF EXTERIOR PANELBOARDS AND CAMLOCK EQUIPMENT.
- ALL EMPTY CONDUITS SHALL HAVE PULL STRING AND BE CAPPED FOR FUTURE USE.
- WHERE BRANCH CIRCUIT CONDUCTORS HAVE BEEN OVSIZED TO MINIMIZE VOLTAGE DROP AND WHERE THE CONDUCTOR SIZE EXCEEDS THE TERMINAL SIZE OF A CIRCUIT BREAKER OR OTHER DEVICE, PROVIDE A WIRE SIZE TRANSITION SPLICE BOX. (REFER DETAIL 09 DRAWING E2-1) TRANSITION TO THE MAXIMUM WIRE SIZE COMPATIBLE WITH THE CIRCUIT BREAKER OR DEVICE UTILIZING A TERMINAL BLOCK MOUNTED IN A PROPERLY SIZED JUNCTION BOX LOCATED ADJACENT TO THE PANELBOARD.
- ALL CONDUITS INCLUDING HOME RUNS ARE TO BE INSTALLED UNDER CONCRETE WALKWAYS AS SHOWN.
- ALL OUTDOOR PANEL ENCLOSURES, SUPPORTS AND DEVICES ARE TO BE PAINTED TO MATCH ADJACENT SURFACE FINISH. ARCHITECT TO APPROVE PAINT AND COLOR SELECTION. REFER ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
- ALL OUTDOOR RECEPTACLE COVER PLATES ARE TO BE PAINTED TO MATCH ADJACENT SURFACE FINISH. ARCHITECT TO APPROVE PAINT AND COLOR SELECTION. REFER ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

**NOTES BY SYMBOL "O"**

- PERGOLA STRUCTURE.
- NOT USED.
- TRANSFORMER BY POWER COMPANY. SEE DRAWING C2-1 FOR EXACT LOCATION.
- 4#4, 1#8G-1 1/2"C.
- CAMLOCK PANEL #1, REFER DETAIL 01 DRAWING E2-1 FOR ADDITIONAL INFORMATION.
- NOT USED.
- NOT USED.
- NOT USED.
- NOT USED.
- PROVIDE 120V WP/GFI DUPLEX RECEPTACLES WITH HOODED "IN USE" COVERS IN BASE OF SITE LIGHTING FIXTURE POLE. REFER ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS.
- NOT USED.
- NOT USED.
- 4#6, 1#8G-1 1/2"C.
- MOUNT PANEL ON FENCE. SEE DRAWING C2-1.

- PANEL "L5", REFER DETAIL 02 ON DRAWING E2-1 AND DRAWING E3-1 FOR ADDITIONAL INFORMATION.
- PROVIDE 120V WP/GFI RECEPTACLES WILL BE MOUNTED FLUSH WITH STONE FACE OF COLUMN. ALL RECEPTACLES TO BE WEATHERPROOF WITH HOODED "IN USE" COVERS, TYPICAL FOR ALL RECEPTACLES MOUNTED ON COLUMNS AT PERGOLA. MOUNT RECEPTACLES +18" ABOVE FINISH GRADE.
- PROVIDE 120V WP/GFI DUPLEX RECEPTACLES IN BASE OF STREET LIGHTING FIXTURE POLE WITH HOODED "IN USE" WP COVERS. REFER ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS.
- 3#6, 1#10G-1"C.
- 2#8, 1#10G-3/4"C.
- 2#10, 1#10G-3/4"C.
- 2#6, 1#10G-1"C.
- 2#12, 1#12G-3/4"C.
- 3#12, 1#12G-3/4"C.
- 4#8, 1#10G-1"C.
- 3#8, 1#10G-1"C.

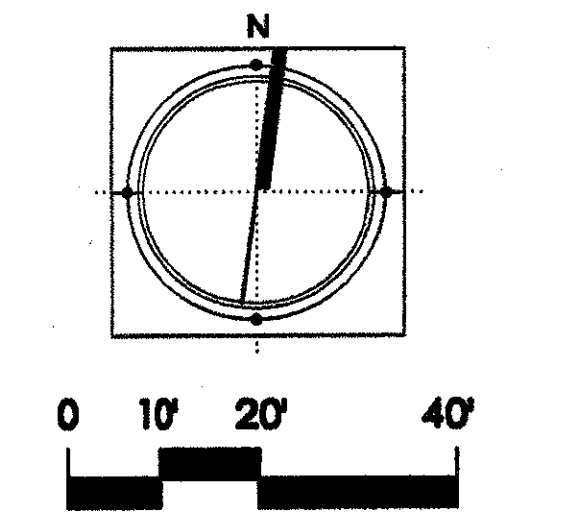
- PANEL "L3", REFER DETAIL 01 ON DRAWING E2-1 AND DRAWING E3-1 FOR ADDITIONAL INFORMATION.
- NOT USED.
- NOT USED.
- REFERENCE SINGLE LINE DIAGRAM FOR WIRE/CONDUIT SIZES ON DETAIL 01 DRAWING E2-1.
- REFERENCE SINGLE LINE DIAGRAM FOR WIRE/CONDUIT SIZES ON DETAIL 02 DRAWING E2-1.
- TICKET BOOTH LOCATION. 208V, 1#, 30A SINGLE POINT CONNECTION REQUIRED AT EACH LOCATION WITH NEMA 3R ENCLOSURE UTILITY BOX MOUNTED FLUSH WITH FINISHED GRADE. REFER DRAWINGS C4-1 & C4-2 FOR EXACT LOCATIONS.
- 5#10, 1#10G-3/4"C. EACH (2) 2P-30A CIRCUIT BREAKER, FURNISH AND INSTALL #1430R8W74 CORROSION RESISTANT RECEPTACLE, COVER AND GASKET WITH #28W GAP AT EACH LOCATION AS MANUFACTURED BY LEVITON OR APPROVED EQUAL.
- 4#10, 1#10G-3/4"C.
- ALL STREET LIGHTS SHALL BE CONTROLLED BY PHOTOCELL WITH MANUAL OVERRIDE.
- ALL SITE LIGHTING SHALL BE CONTROLLED BY PHOTOCELL/TIMELOCK WITH MANUAL OVERRIDE.

NO CONDUITS ARE TO BE ROUTED IN AREA DESIGNATED WITH CROSSHATCHING. ROUTE ALL CONDUITS UNDER CONCRETE WALKWAYS.

ADDENDUM #2	10-21-02	
ISSUED FOR CONSTRUCTION	08-30-02	
No.	Description	Date

DWG ISSUE & REVISION HISTORY

Stamp

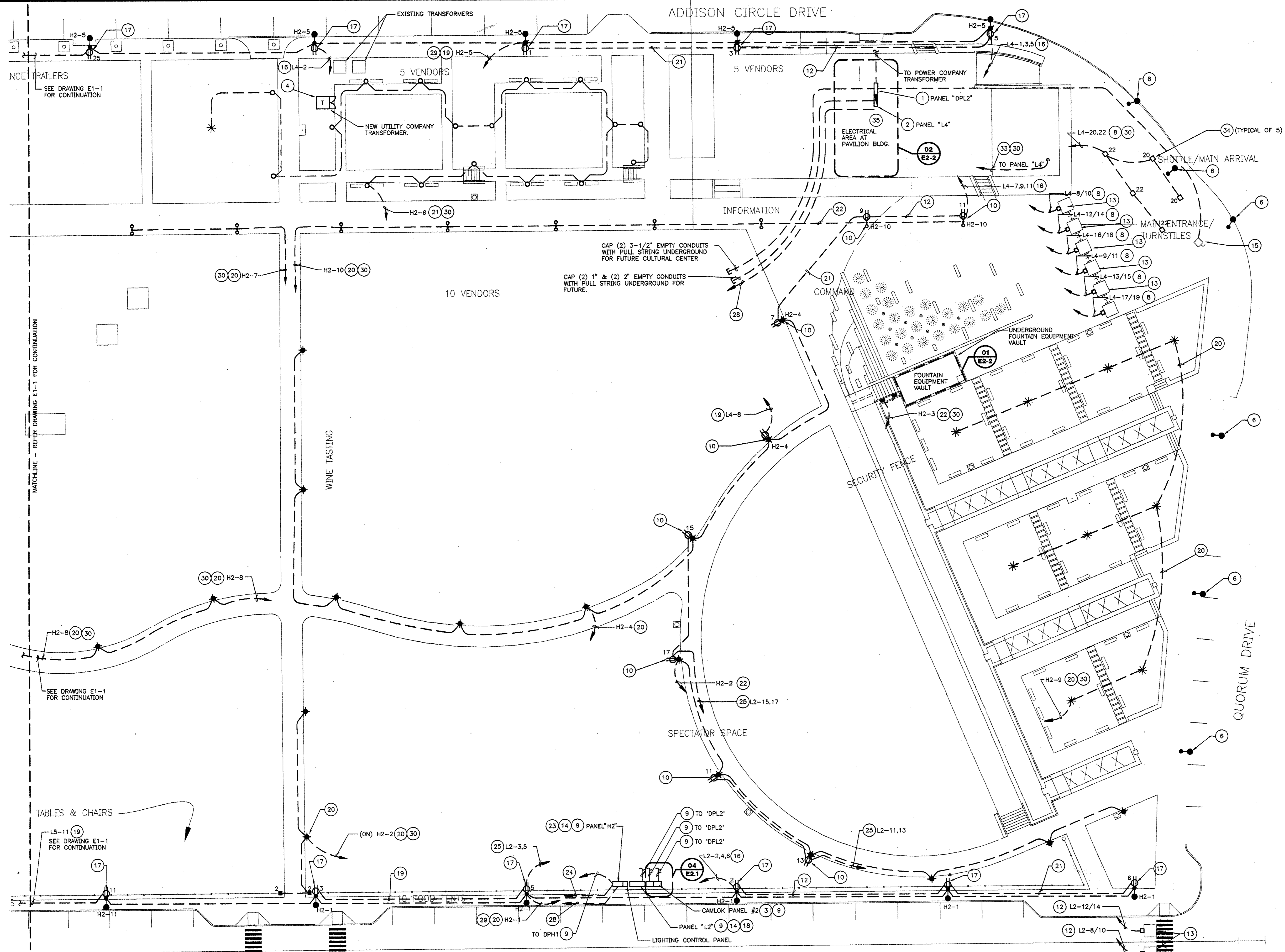


Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

Drawing Title:  
**ELECTRICAL PLAN**  
**- WEST**

Project No. 14516.00 Scale: 1"=20'  
 Drawn By: ARM  
 Checked By: KG  
 Approved By: KG  
 Date: 09/30/2002

Drawing No. **E1-1**



**GENERAL NOTES**

1. ALL INDOOR AND OUTDOOR RECEPTACLES SHALL BE HOODED "IN USE" WP/GFI.
2. REFERENCE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF LIGHT FIXTURES.
3. REFERENCE ARCHITECTURAL DRAWINGS FOR LOCATION AND MOUNTING OF EXTERIOR PANELBOARDS AND CAMLOK EQUIPMENT.
4. ALL EMPTY CONDUITS SHALL HAVE PULL STRING AND BE CAPPED FOR FUTURE USE.
5. WHERE BRANCH CIRCUIT CONDUCTORS HAVE BEEN OVERSIZED TO MINIMIZED VOLTAGE DROP AND WHERE THE CONDUCTOR SIZE EXCEEDS THE TERMINAL SIZE OF A CIRCUIT BREAKER OR OTHER DEVICE, PROVIDE A WIRE SIZE TRANSITION SPLICE BOX. (REFER DETAIL 01 ON DRAWING E2-1) TRANSITION TO THE MAXIMUM WIRE SIZE COMPATIBLE WITH THE CIRCUIT BREAKER OR DEVICE UTILIZING A TERMINAL BLOCK MOUNTED IN A PROPERLY SIZED JUNCTION BOX LOCATED ADJACENT TO THE PANELBOARD.
6. ALL CONDUITS INCLUDING HOME RUNS ARE TO BE INSTALLED UNDER CONCRETE WALKWAYS AS SHOWN.
7. ALL OUTDOOR PANEL ENCLOSURES, SUPPORTS AND DEVICES ARE TO BE PAINTED TO MATCH ADJACENT SURFACE FINISH. ARCHITECT TO APPROVE PAINT AND COLOR SELECTION. REFER ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
8. ALL OUTDOOR RECEPTACLE COVER PLATES ARE TO BE PAINTED TO MATCH ADJACENT SURFACE FINISH. ARCHITECT TO APPROVE PAINT AND COLOR SELECTION. REFER ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

**NOTES BY SYMBOL "O"**

- 1 PANEL "DPL2", REFER DETAIL 01 ON DRAWING E2-1 AND DRAWING E3-1 FOR ADDITIONAL INFORMATION.
- 2 PANEL "L4", REFER DETAIL 01 ON DRAWING E2-1 AND DRAWING E3-1 FOR ADDITIONAL INFORMATION.
- 3 CAMLOK PANEL #2, REFER DETAIL 01 ON DRAWING E2-1 AND DRAWING E2-1 FOR ADDITIONAL INFORMATION.
- 4 REFER TO DRAWING C2-2 FOR EXACT LOCATION.
- 5 NOT USED.
- 6 EXISTING LIGHTING FIXTURE SHOWN FOR INFORMATION ONLY.
- 7 NOT USED.
- 8 3#8, 1#100-3/4".
- 9 REFER TO SINGLE LINE DIAGRAM FOR WIRE AND CONDUIT SIZES. DRAWING NUMBER E2-1 DETAIL 01.
- 10 PROVIDE 120V DUPLEX RECEPTACLES (HOODED "IN USE" WP/GFI) IN BASE OF LIGHT FIXTURE POLE, MOUNTED +18" ABOVE TOP OF POLE BASE.
- 11 NOT USED.
- 12 3#6, 1#100-1". EACH. (2) 2P-30A CIRCUIT BREAKERS. FURNISH AND INSTALL #1430R69W74 CORROSION RESISTANT RECEPTACLE, COVER AND GASKET WITH #28W CAP AT EACH LOCATION AS MANUFACTURED BY LEVITON OR APPROVED EQUAL.

**NOTES BY SYMBOL "O"**

- 13 TICKET BOOTH LOCATION 120V, 1P, 30A. SINGLE POINT CONNECTOR REQUIRED AT EACH LOCATION WITH NEMA 3R ENCLOSURE, MOUNTED FLUSH WITH FINISHED GRADE. REFER DRAWINGS C4-1 AND C4-2 FOR EXACT LOCATIONS.
- 14 MOUNT PANEL FENCE. REFER DRAWING 2C-1.
- 15 EXISTING 200A, 208/120V, DISCONNECT SWITCH SERVING EXISTING STAGUE LIGHTING. DISCONNECT AND REMOVE EXISTING FEED BACK TO SOURCE. PROVIDE NEW FEED FROM ELECTRICAL SERVICE AT PAVILION BUILDING. REFER TO SINGLE LINE DIAGRAM DETAIL 01 DRAWING E2-1. REFER TO CIVIL DRAWING FOR EXACT LOCATION.
- 16 4#6, 1#100-1 1/4".
- 17 PROVIDE 120V WP/GFI DUPLEX RECEPTACLES (HOODED "IN USE" WP/GFI) IN BASE OF LIGHT FIXTURE POLE, MOUNTED +18" ABOVE TOP OF POLE BASE.
- 18 PANEL "L2", REFER DETAIL 01 ON DRAWING E2-1 AND DRAWING E3-1 FOR ADDITIONAL INFORMATION.
- 19 2#8, 1#100-3/4".
- 20 2#10, 1#100-3/4".
- 21 2#6, 1#100-1".
- 22 2#12, 1#120-3/4".

**NOTES BY SYMBOL "O"**

- 23 PANEL "H2", REFER DETAIL 02 ON DRAWING E2-1 AND DRAWING E3-1 FOR ADDITIONAL INFORMATION.
- 24 ROUTE 1" EMPTY CONDUIT WITH PULL STRING TO ELECTRICAL ROOM AT MAIN STAGE AREA FOR FUTURE USE. STUB CONDUIT UP AND CAP. TAG CONDUIT AS SPARE.
- 25 3#8, 1#100-1".
- 26 NOT USED.
- 27 NOT USED.
- 28 ROUTE 1" EMPTY CONDUIT WITH PULL STRING TO ELECTRICAL ROOM AT MAIN STAGE AREA FOR FUTURE USE. STUB CONDUIT UP AND CAP. TAG CONDUIT AS SPARE.
- 29 ALL STREET LIGHTS SHALL BE CONTROLLED BY PHOTOCELL/TIMECLOCK WITH MANUAL OVERRIDE.
- 30 ALL SITE LIGHTING SHALL BE CONTROLLED BY PHOTOCELL/TIMECLOCK WITH MANUAL OVERRIDE.
- 31 NOT USED.
- 32 NOT USED.
- 33 PROVIDE 1" EMPTY CONDUIT WITH PULL STRING TO TREE GROVE AREA. STUB CONDUIT UP AND CAP FOR FUTURE TREE UPLIGHTS.

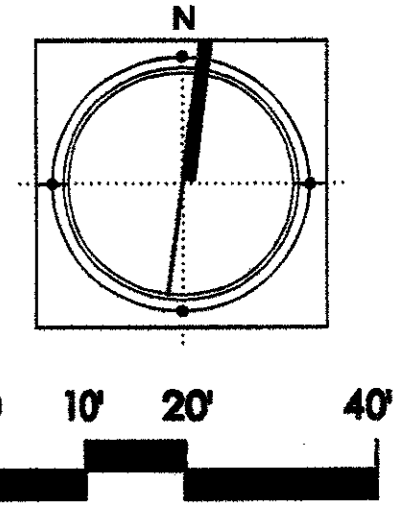
**NOTES BY SYMBOL "O"**

- 34 EXISTING KIOSK SIGNS TO REMAIN. DISCONNECT EXISTING FEED AND REMOVE EXISTING FEED BACK TO SOURCE. PROVIDE NEW FEED FROM NEW ELECTRICAL SERVICE AND CONTROLS AT PAVILION AS INDICATED. REFER TO DETAIL 8 ON DRAWING C8-8.
- 35 2 - 30KVA TRANSFORMERS, REFER DETAIL 01 ON DRAWING E2-1 FOR ADDITIONAL INFORMATION.

1	ADDENDUM #2	10-21-02
	ISSUED FOR CONSTRUCTION	09-30-02
No.	Description	Date

DWG ISSUE & REVISION HISTORY

Stamp

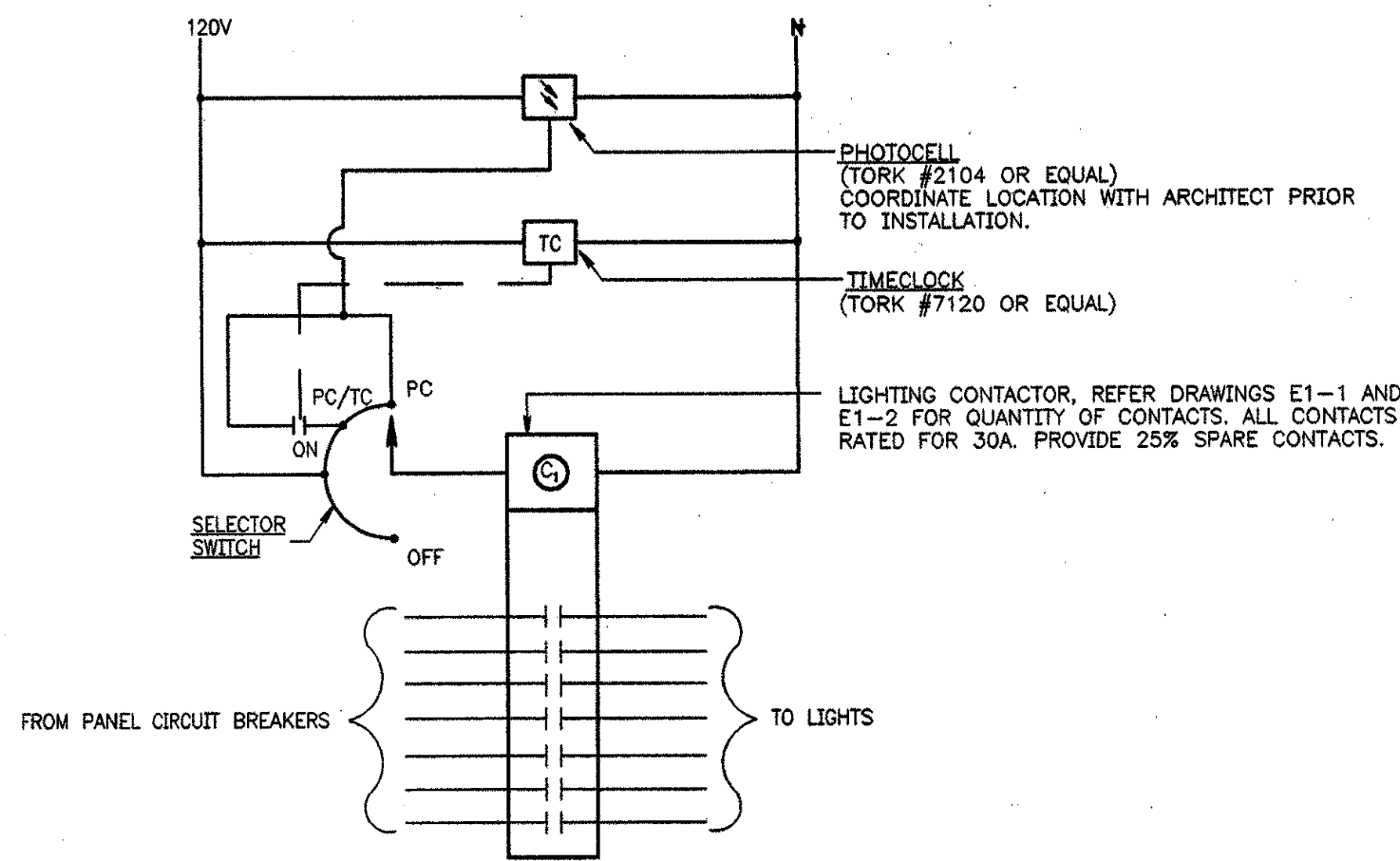


Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

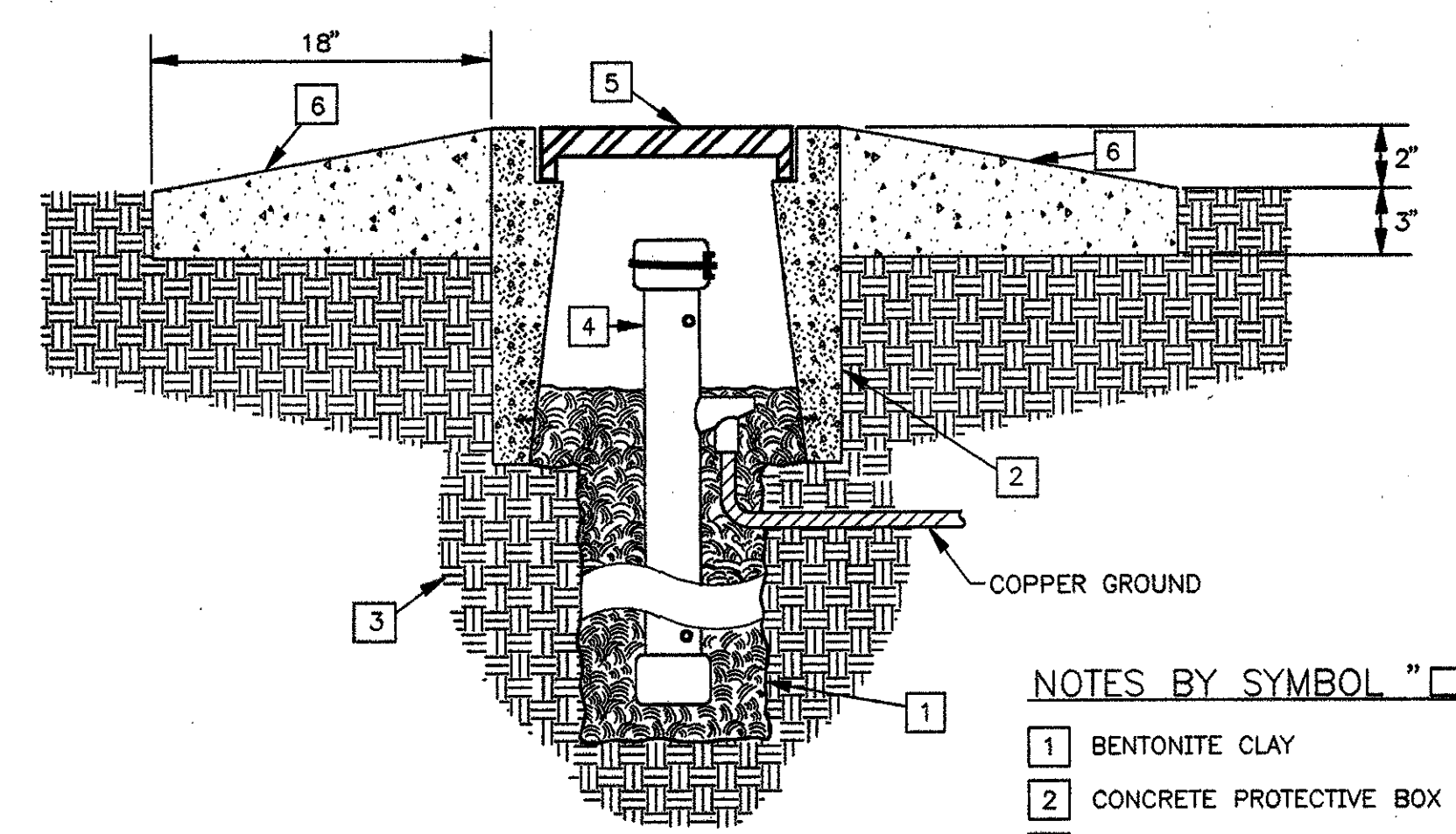
Drawing Title:  
**ELECTRICAL PLAN - EAST**

Project No. 14516.00 Scale: 1"=20'  
 Drawn By: ARM  
 Checked By: KG  
 Approved By: KG  
 Date: 09/30/2002

Drawing No. **E1-2**

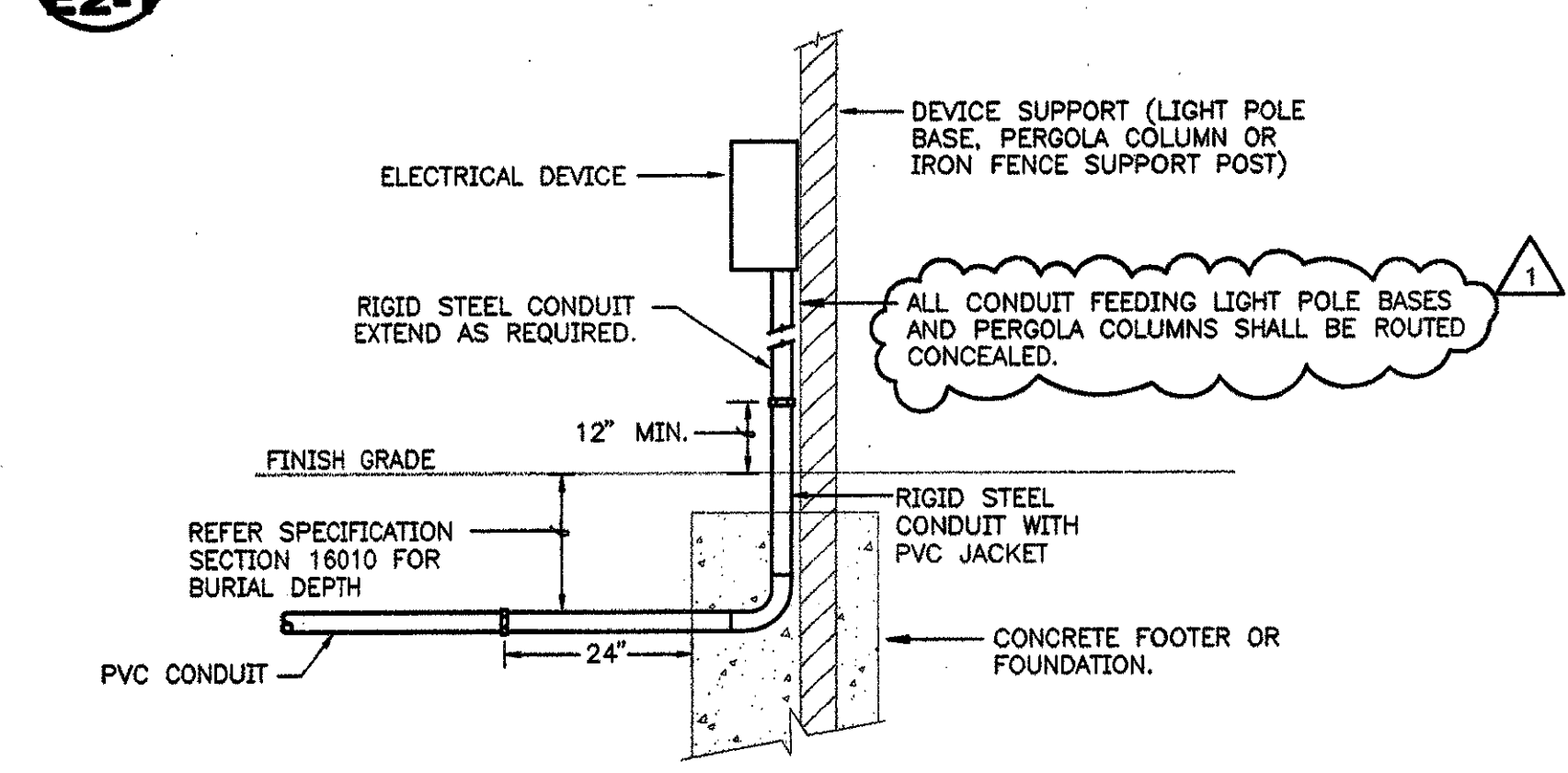


**06 PHOTO CELL/ TIME CLOCK DETAIL**  
E2-1 NTS

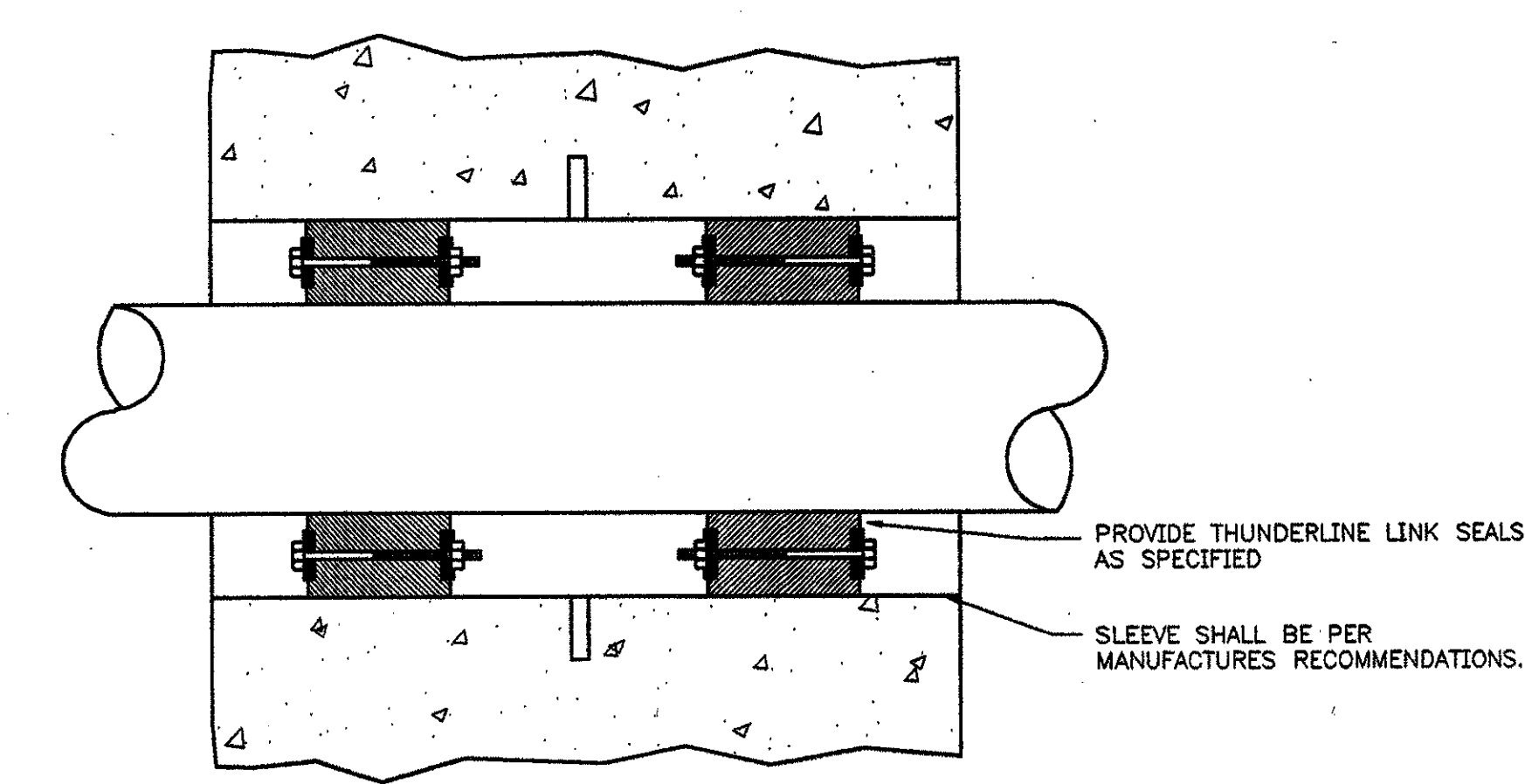


- NOTES BY SYMBOL "□"
- 1 BENTONITE CLAY
  - 2 CONCRETE PROTECTIVE BOX
  - 3 UNDISTURBED EARTH
  - 4 CHEMICAL GROUND ROD
  - 5 TRAFFIC DUTY COVER
  - 6 CONCRETE MOW STRIP

**03 CHEMICAL GROUND ROD DETAIL**  
E2-1 NTS

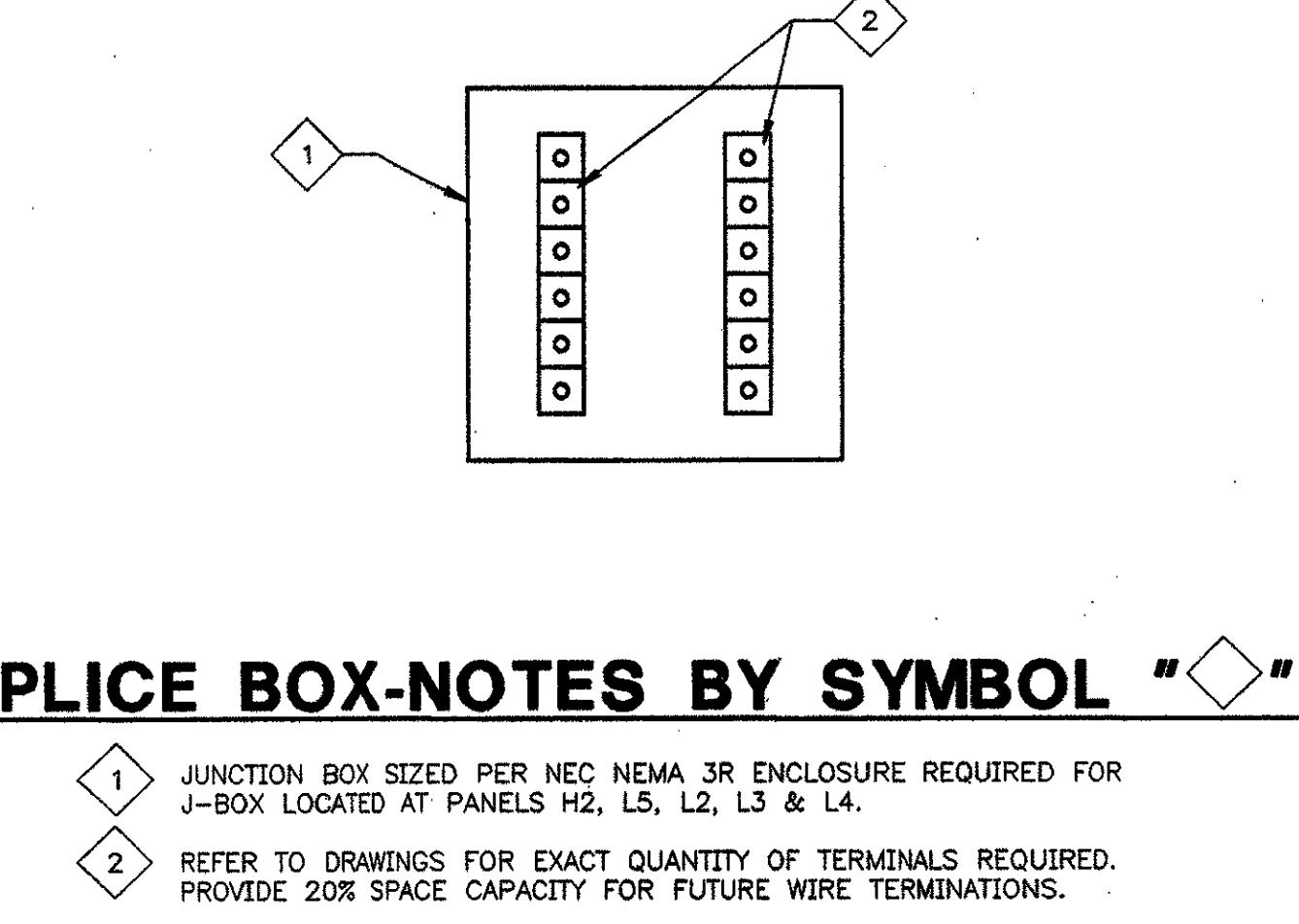


**07 TYPICAL UNDERGROUND TO ABOVE GROUND CONDUIT TRANSITION DETAIL**  
E2-1 NTS

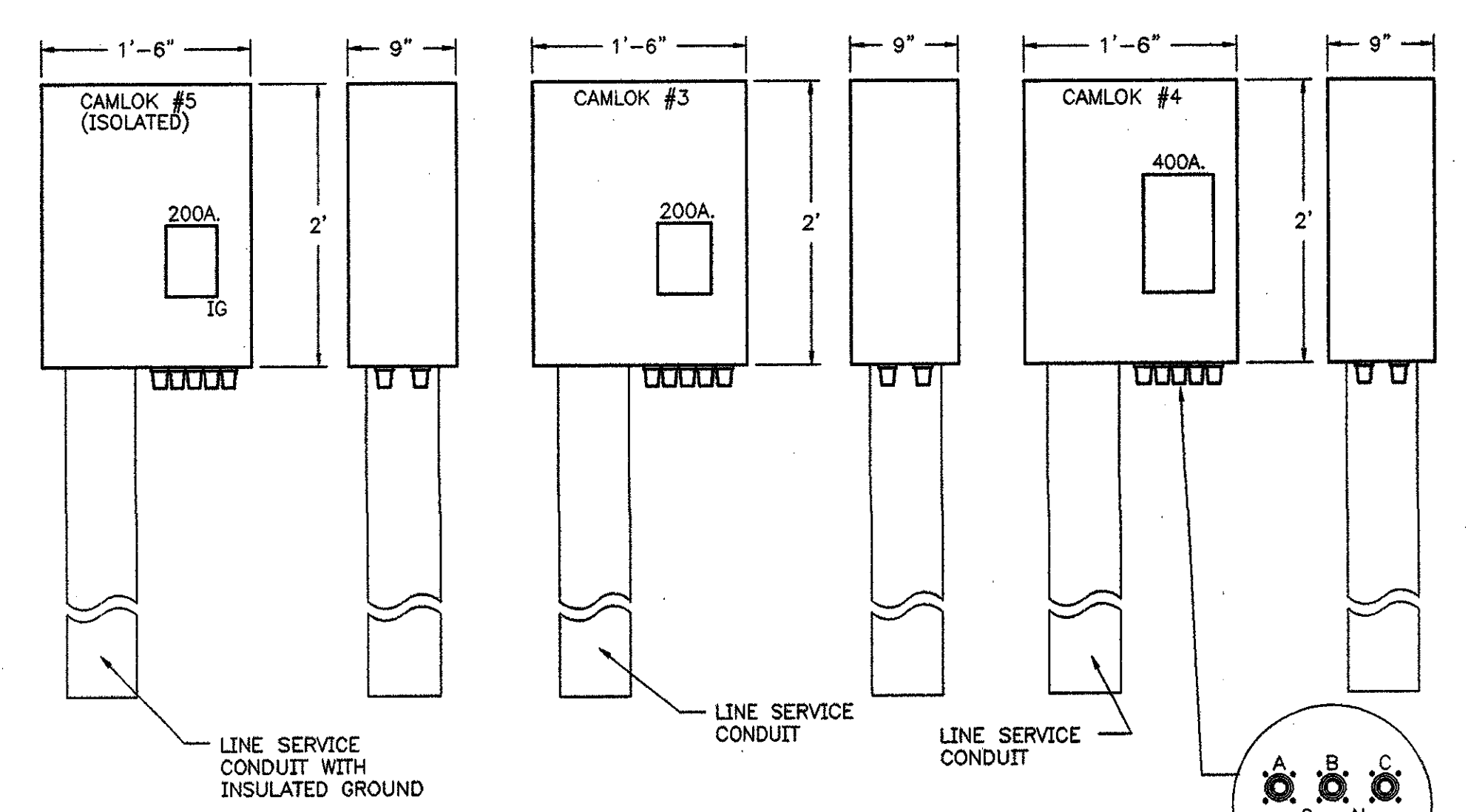


**08 CONDUIT WALL SLEEVE DETAIL**  
E2-1 NTS

**09 SPLICE BOX DETAIL**  
E2-1 NTS

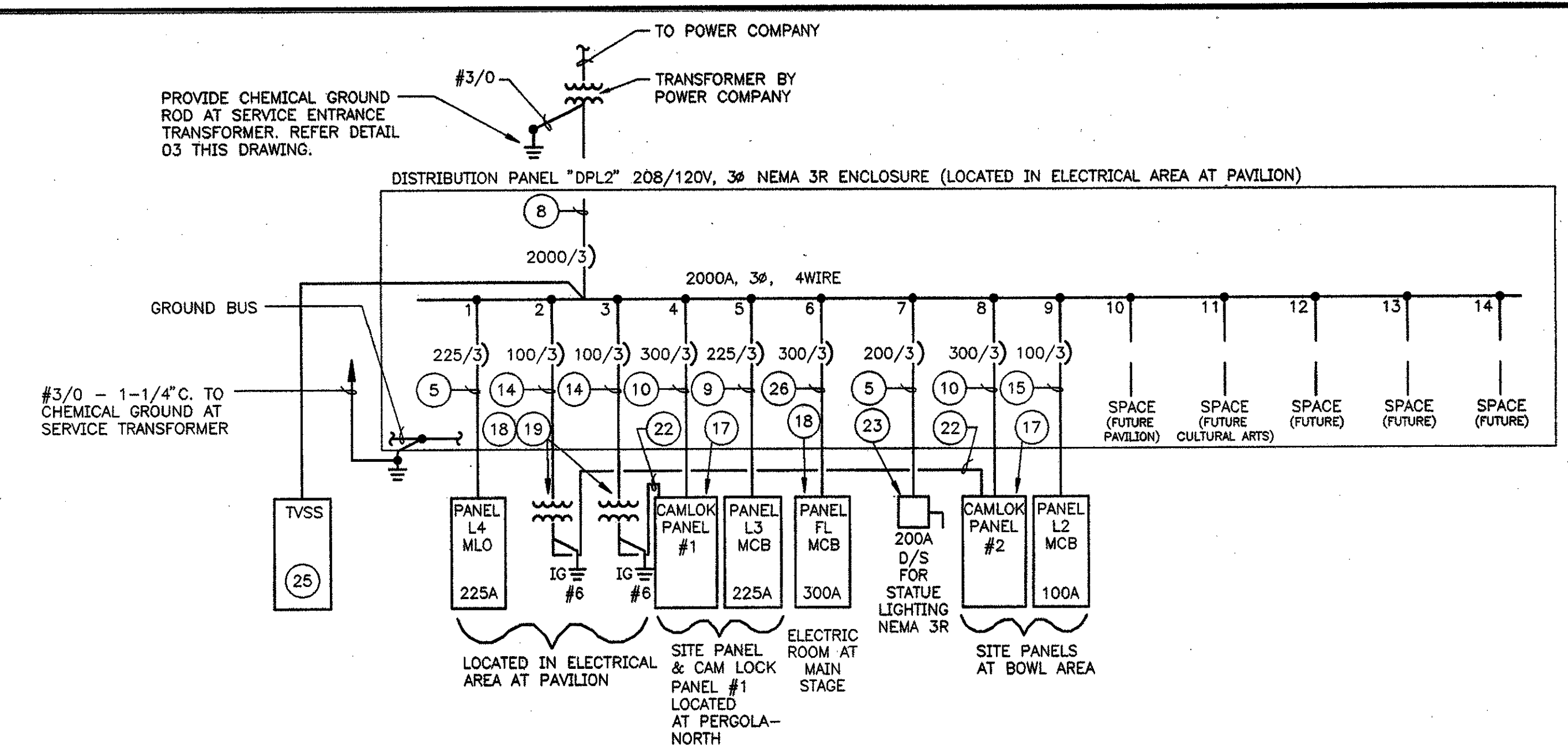


- SPLICE BOX-NOTES BY SYMBOL "◇"
- 1 JUNCTION BOX SIZED PER NEC NEMA 3R ENCLOSURE REQUIRED FOR J-BOX LOCATED AT PANELS H2, L5, L2, L3 & L4.
  - 2 REFER TO DRAWINGS FOR EXACT QUANTITY OF TERMINALS REQUIRED. PROVIDE 20% SPACE CAPACITY FOR FUTURE WIRE TERMINATIONS.



- SPECIFICATIONS:
- ENCLOSURE SHALL BE 14 GA. NEMA 1, FINISHED FLAT BLACK POLYURETHANE ENAMEL.
  - 200A MAIN BREAKER SHALL BE 3-POLE, 200A, F-FRAME AND 400A MAIN BREAKER SHALL BE 3-POLE, 400A, K-FRAME.
  - FEED TO UNIT SHALL BE FROM BOTTOM. SUFFICIENT ROOM SHALL BE PROVIDED FOR INSTALLATION OF CONDUIT.
  - OUTLETS SHALL BE CMI TYPE.
  - GROUND OUTLET SHALL BE CONNECTED TO ENCLOSURE FRAME.

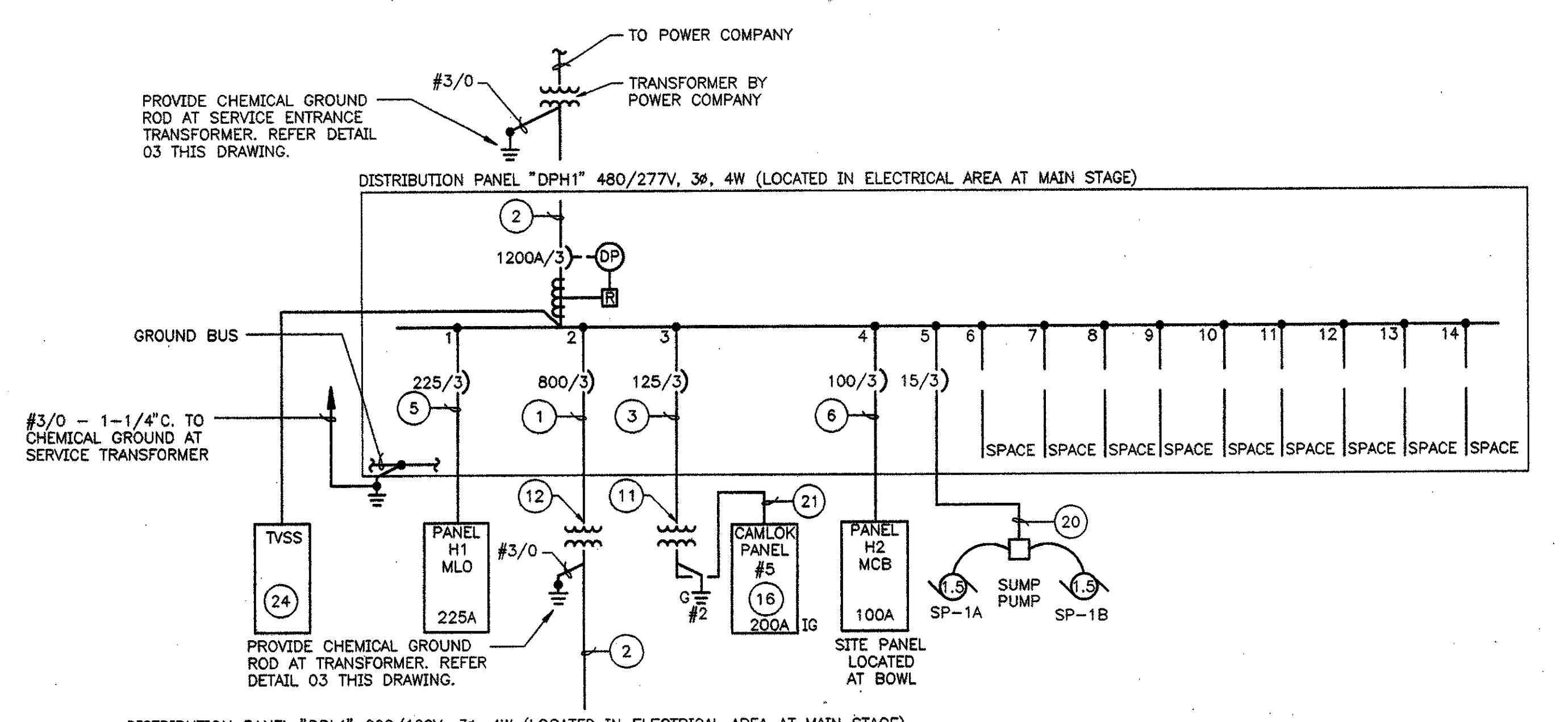
**04 COMPANY SWITCHES - (CAMLOKS) IN ELECT. ROOM AT MAIN STAGE**  
E2-1 NTS



**01 ELECTRICAL SINGLE LINE DIAGRAM - NORTH**  
E2-1 NTS

NOTES BY SYMBOL "○"

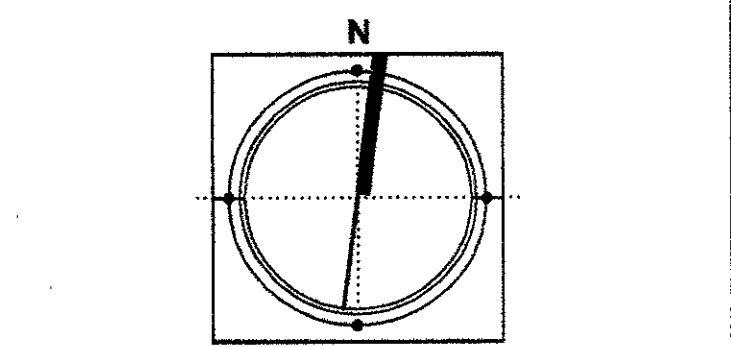
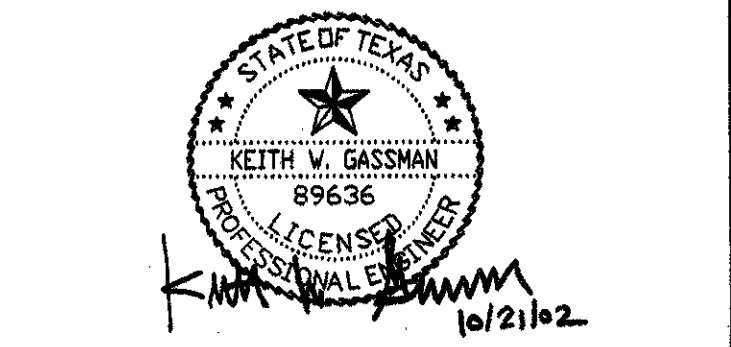
- 1 3 SETS OF 3" C. WITH 3#500 KCMIL IN EACH
- 2 5 SETS OF 3" C. WITH 4#400 KCMIL IN EACH.
- 3 3#2/0, 1#6G. - 2" C.
- 4 4#300 KCMIL, 1#4G. - 3" C.
- 5 4#350 KCMIL, 1#3G. - 3" C.
- 6 4#4/0, 1#4G. - 2-1/2" C.
- 7 2 SETS OF 3" C. WITH 4#300 KCMIL, 1#4G. IN EACH.
- 8 8 SETS OF 3" C. WITH 4#400 KCMIL IN EACH.
- 9 2 SETS OF 2-1/2" C. WITH 4#4/0, 1#1/0G. IN EACH.
- 10 2 SETS OF 3" C. WITH 4#350KCMIL, 1#1/0G. IN EACH.
- 11 75 KVA ISOLATION TRANSFORMER "T-CL5" (IG) 480V.-208/120V, 3φ, 4W.
- 12 500 KVA TRANSFORMER T-DPL1 480-208/120V,3φ,4W.
- 13 4#1/0, 1#6G. - 2" C.
- 14 3#1/0, 1#6G. - 1-1/2" C.
- 15 4#250KCMIL, 1#4G. - 3" C.
- 16 REFER DETAIL 05 THIS DRAWING.
- 17 REFER DETAIL 04 THIS DRAWING.
- 18 PROVIDE WITH NEMA 3R ENCLOSURE.
- 19 30KVA ISOLATION TRANSFORMERS "T-CL1" & "T-CL2" 208-208/120, 3φ, 4W.
- 20 3#12, 1#12G. - 3/4" C.
- 21 4#300KCMIL, 1#4G. & 1#4IG. - 3-1/2" C.
- 22 4#250KCMIL, 1#4G. 1#4IG - 3-1/2" C.
- 23 REPLACE LUGS AS REQUIRED.
- 24 CURRENT TECHNOLOGIES #SEL250 - 277/480V OR EQUAL.
- 25 CURRENT TECHNOLOGIES #SEL250 - 120/208V OR EQUAL.
- 26 2 SETS OF 3-1/2" C. WITH 4#300KCMIL, 1#4G. IN EACH.



**02 ELECTRICAL SINGLE LINE DIAGRAM - SOUTH**  
E2-1 NTS

ADDENDUM #2	10-21-02
ISSUED FOR CONSTRUCTION	09-30-02
No. Description	Date

DWG ISSUE & REVISION HISTORY



Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
ADDISON, TEXAS

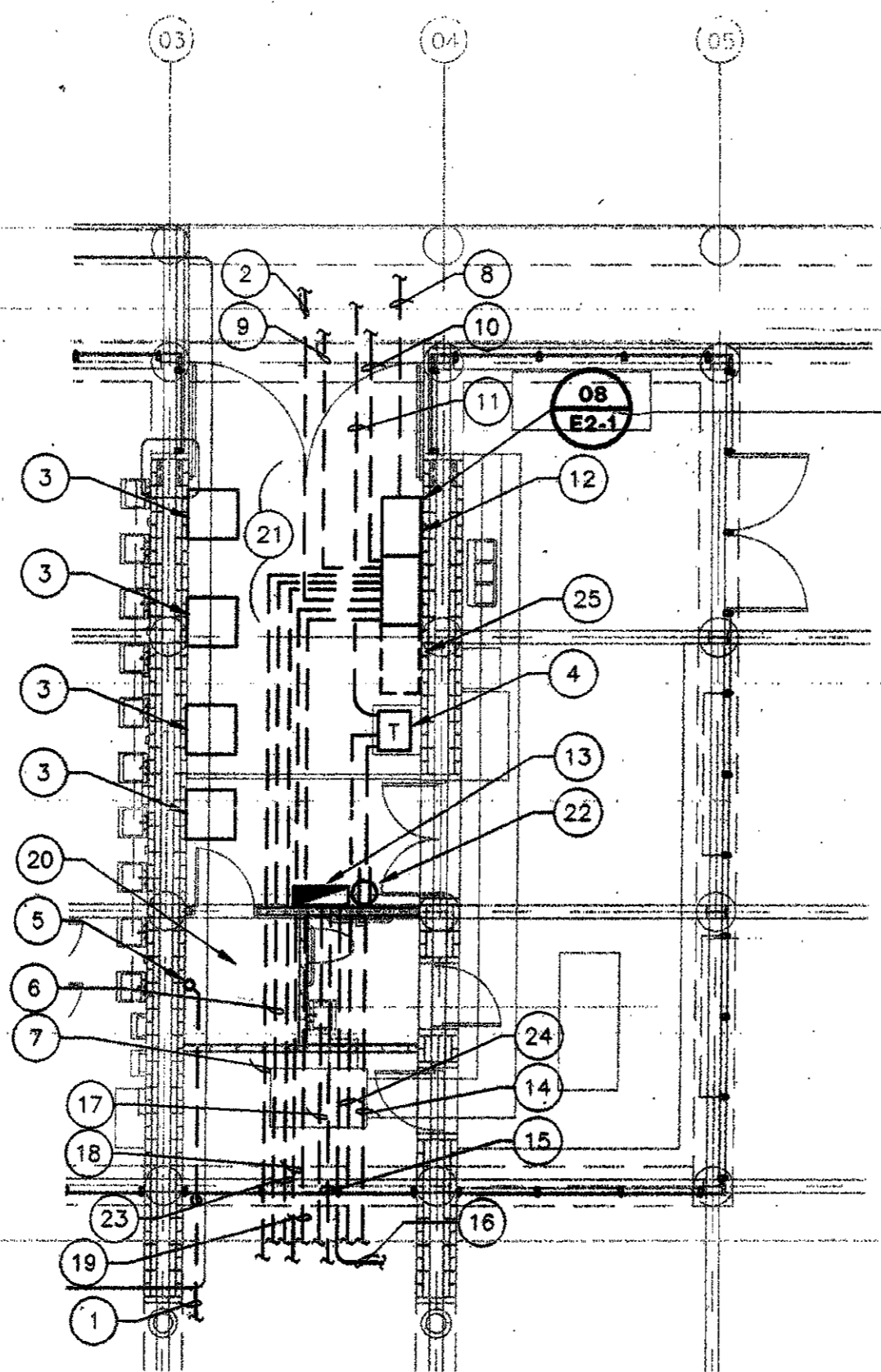
Drawing Title:  
**SINGLE LINE DIAGRAMS AND DETAILS**

Project No. 14516.00 Scale: NONE  
Drawn By: ARM  
Checked By: KG  
Approved By: KG  
Date: 09/30/02

Drawing No. **E2-1**

**NOTES BY SYMBOL "○"**

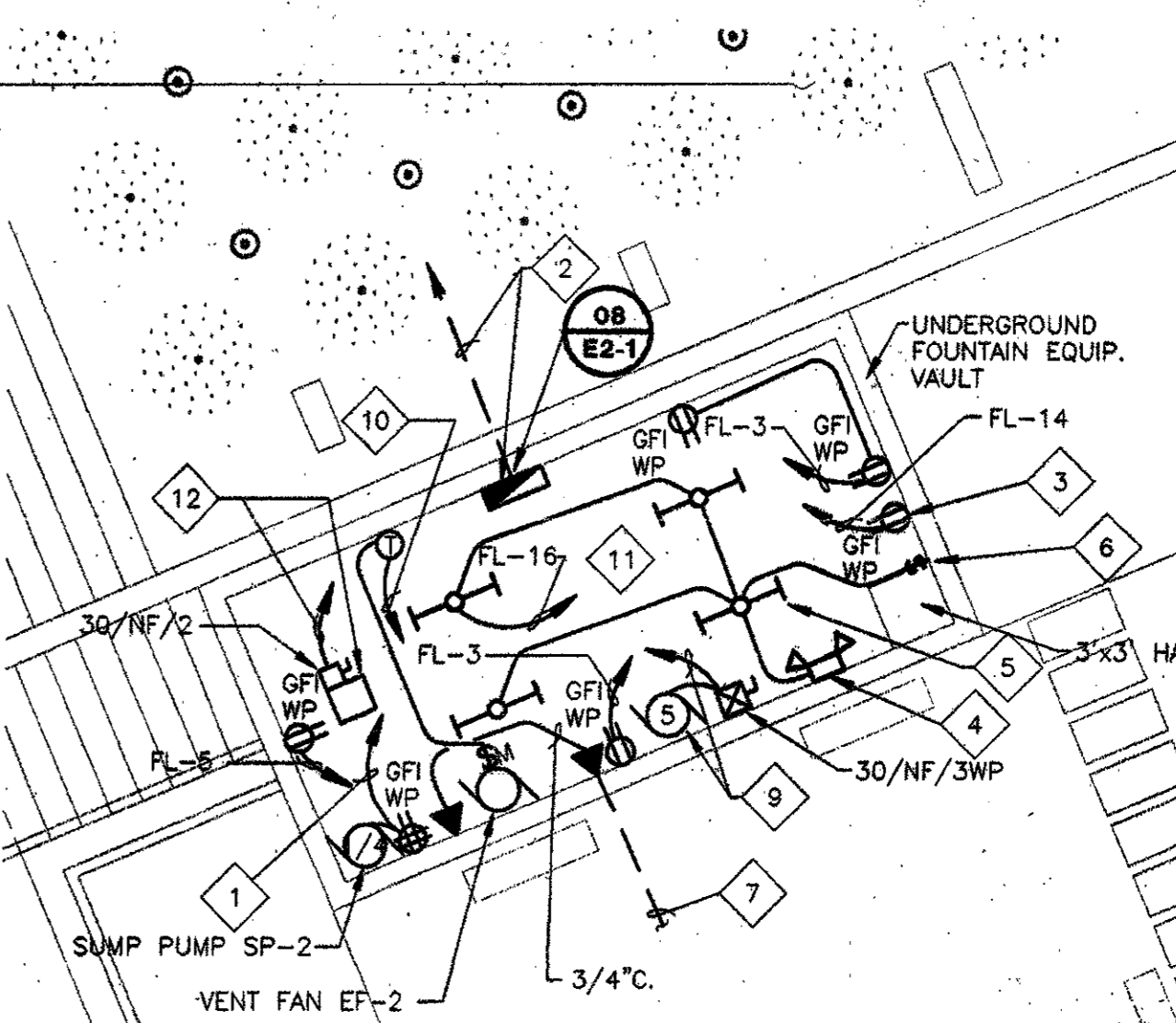
- 1 ROUTE 1" EMPTY CONDUIT FROM TELEPHONE BOARD TO FOUNTAIN VAULT FOR INSTALLATION OF IRRIGATION CONTROL SYSTEM.
- 2 TO PANEL "L3" AT PERGOLA (NORTH).
- 3 CONDENSING UNITS, NOT IN CONTRACT.
- 4 2-30KVA TRANSFORMER "T-CLP1" & "T-CLP2". 208-208/120V, 3Ø, 4W, W/ISOL. GR. (TRANSFORMER TO BE STACKED).
- 5 STUB UP AT TELEPHONE BOARD LOCATED IN THIS ROOM. COORDINATE EXACT LOCATION WITH OWNER'S REPRESENTATIVE.
- 6 TO CAMLOK PANEL #2 AT BOWL AREA.
- 7 ROUTE 2 - 3-1/2" EMPTY CONDUITS W/ PULL STRINGS UNDERGROUND TO VENDOR AREA FOR FUTURE CULTURE CTR. REFER DWG E1.2.
- 8 TO POWER COMPANY TRANSFORMER.
- 9 TO CAMLOK PANEL #1 AT PERGOLA (NORTH).
- 10 TO STATUE DISCONNECT SWITCH.
- 11 TO CAMLOK PANEL #1 AT PERGOLA (NORTH)(IG).
- 12 DIST. PANEL "DPL2".
- 13 PANEL "L4".
- 14 TO CAMLOK PANEL #2 AT BOWL AREA (IG).
- 15 TO FOUNTAIN VAULT FOR RECEPT.
- 16 ROUTE 1" EMPTY CONDUIT TO TREE GROVE AREA. REF. DWG. E1.2.
- 17 TO DISCONNECT AT FOUNTAIN VAULT.
- 18 TO PANEL "L2" AT BOWL AREA.
- 19 ROUTE 2-2" & 2-1" EMPTY CONDUIT W/ PULL STRINGS UNDERGROUND TO VENDOR AREA FOR FUTURE USE. REF. DWG. E1.2.
- 20 PAVILION ELECTRICAL ROOM.
- 21 REFER SINGLE LINE DIAGRAM DRAWING E2-2 DETAIL 01 FOR EQUIPMENT WITHIN THIS AREA.
- 22 MOUNT ONE (1) 20A. WP/GFI RECEPTACLE BELOW PANEL "L4". L4-26 3Ø12, 1Ø12G. - 3/4"C.
- 23 TO IRRIGATION PUMP AT FOUNTAIN VAULT.
- 24 TO VENTILATION FAN AT FOUNTAIN VAULT.
- 25 PROVIDE SPACE FOR FUTURE EQUIPMENT.



**02 ELECTRICAL AREA AT PAVILION AREA**  
E2-2 1/8"=1'-0"

**NOTES BY SYMBOL "◇"**

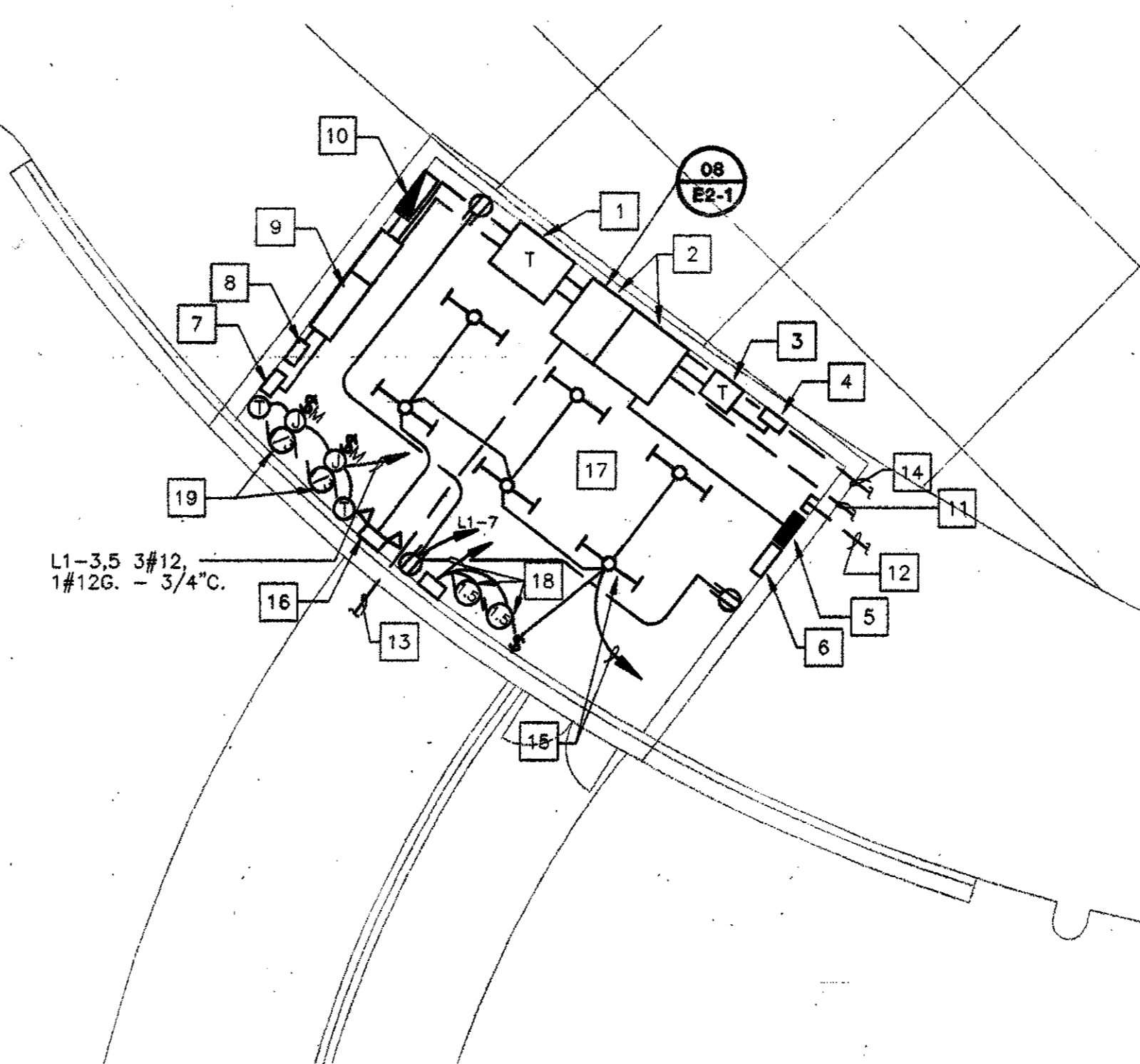
- 1 SUMP PUMP SP-2, 120V., 1/2HP, FL-9 2Ø12, 1Ø12G.-3/4"C. WIRE ALL FLOAT SWITCHES, HIGH WATER ALARM, TRAP PRIMER AND ASSOCIATED CONTROLS.
- 2 PANEL "FL". REFER TO SINGLE LINE DIAGRAM DETAIL 01 ON DRAWING E2-1.
- 3 120V. 20A. WP/GFI RECEPTACLE FOR SELF CONTAINED EYE WASH HEATER (100W.).
- 4 EMERGENCY BATTERY LIGHT. WIRE AHEAD OF LIGHT SWITCH FL-16. LITHONIA #8ELM2-N-DL (OR EQUAL).
- 5 FLUORESCENT LIGHT FIXTURES LITHONIA #C232120AL-WG WITH WIREGUARDS (OR EQUAL), TYPICAL OF FOUR (4) FIXTURES. COORDINATE EXACT LOCATIONS OF LIGHT FIXTURES WITH ALL EQUIPMENT LOCATED WITHIN FOUNTAIN VAULT PRIOR TO ROUGH-IN.
- 6 ELECTROMECHANICAL SPRING WOUND INTERVAL TIME SWITCH WITH TWELVE HOUR TIME, TORK #A512H. PROVIDE 1HP MOTOR RATED CONTACTS.
- 7 ROUTE 1" EMPTY CONDUIT WITH PULL STRING TO TELEPHONE BOARD LOCATED IN PAVILION ELECTRICAL ROOM.
- 8 RECEPTACLE FOR IRRIGATION CONTROLLER. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.
- 9 IRRIGATION PUMP, 5HP 208V., 3Ø, FL-8,10,12 3Ø10, 1Ø10G.-1"C.
- 10 VENTILATION FAN EF-2, 1/3HP, 120V., 1Ø, FL-7, 2Ø12, 1Ø12G.-3/4"C. WIRE TWO SPEED LINE VOLTAGE THERMOSTAT AND PROVIDE MANUAL OVERRIDE SWITCH TO BY-PASS THERMOSTAT CONTROL WITH TWELVE (12) HOUR TIMER. TORK #A512H. PROVIDE 1HP MOTOR RATED CONTACTS.
- 11 EQUIPMENT LOCATIONS WITHIN THE VAULT ARE SUBJECT TO CHANGE. COORDINATE ALL FINAL EQUIPMENT LOCATIONS PRIOR TO ROUGH-IN.
- 12 UNIT HEATER UH-1, 2.2KW, 208V., 1Ø, FL-11,13 2Ø10, 1Ø12G.-3/4"C.



**01 UNDERGROUND FOUNTAIN VAULT**  
E2-2 1/8"=1'-0"

**NOTES BY SYMBOL "□"**

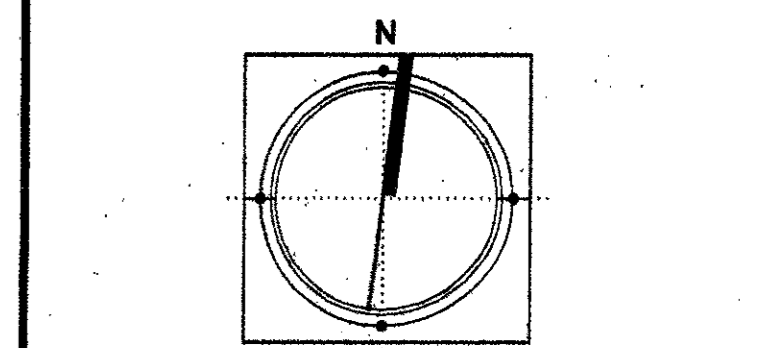
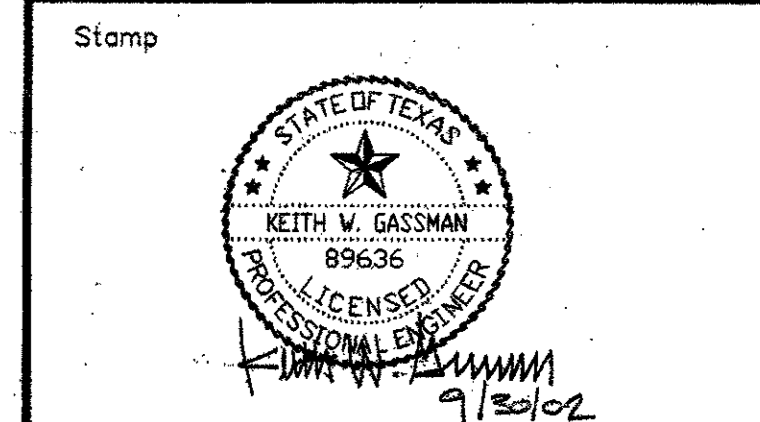
- 1 500 KVA TRANSFORMER "T-DPL1". REFER ONE LINE DIAGRAM DETAIL 02 ON DRAWING E2-1 FOR ADDITIONAL INFORMATION.
- 2 MAIN DIST. PANEL "DPH1". REFER ONE LINE DIAGRAM DETAIL 02 ON DRAWING E2-1 AND DRAWING 3-1 FOR ADDITIONAL INFORMATION.
- 3 75 KVA ISOLATION TRANSFORMER "T-CLS" (IG). REFER ONE LINE DIAGRAM DETAIL 02 ON DRAWING E2-1 FOR ADDITIONAL INFORMATION.
- 4 CAMLOK PANEL #5 (200A, IG). REFER DETAIL 05 ON DRAWING E2-1 FOR ADDITIONAL INFORMATION.
- 5 PANEL "H1". REFER ONE LINE DIAGRAM 02 ON DRAWING E2-1 AND DRAWING 3-1 FOR ADDITIONAL INFORMATION.
- 6 LIGHTING CONTROL PANEL.
- 7 CAMLOK PANEL #3 (200A) REFER DETAIL 05 ON DRAWING E2-1 FOR ADDITIONAL INFORMATION.
- 8 CAMLOK PANEL #4 (200A) REFER DETAIL 05 DRAWING E2-1 FOR ADDITIONAL INFORMATION.
- 9 DISTRIBUTION PANEL "DPL1". REFER ONE LINE DIAGRAM 02 ON DRAWING E2-1 AND DRAWING 3-1 FOR ADDITIONAL INFORMATION.
- 10 PANEL "L1". REFER ONE LINE DIAGRAM 02 ON DRAWING E2-1 AND DRAWING 3-1 FOR ADDITIONAL INFORMATION.
- 11 TO SITE PANEL "L5" AT PERGOLA.
- 12 STUB 1" SPARE CONDUITS AT THIS LOCATION. REFER TO DRAWINGS E1-1 AND E1-2 FOR EXACT QUANTITIES.
- 13 TO UTILITY CO. TRANSFORMER.
- 14 TO SITE PANEL "H2" AT BOWL.
- 15 FLUORESCENT LIGHT FIXTURES, LITHONIA #C232-277AL-WG (OR EQUAL) WITH WIRE GUARD. TYPICAL FOR SIX (6) FIXTURES. H1-7 2Ø12, 1Ø12G. - 3/4"C.
- 16 EMERGENCY BATTERY LIGHT, WIRE AHEAD OF LIGHT SWITCH H1-7. LITHONIA #8ELM2-N-DL (OR EQUAL).
- 17 REFER TO ONE LINE DIAGRAM DETAIL 02 ON DRAWING E2-1 FOR EQUIPMENT IN THIS AREA.
- 18 DUPLEX SUMP "SP-1A" AND "SP-1B". PROVIDE WIRING OF PUMP MOTORS, FLOAT SWITCHES (4) AND ASSOCIATED CONTROLS. REFER TO ONE LINE DIAGRAM DETAIL 02 ON DRAWING E2-1.
- 19 EXHAUST FANS "EF-1A" AND "EF-1B". 120V., 1/3 HP EACH. WIRE LINE VOLTAGE THERMOSTATS. TYPICAL FOR TWO (2) FANS.



**03 ELECTRICAL ROOM PLAN AT MAIN STAGE**  
E2-2 1/8"=1'-0"

ISSUED FOR CONSTRUCTION	09-30-02
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No.	Description	Date
DWG ISSUE & REVISION HISTORY		



Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
ADDISON, TEXAS

Drawing Title:  
**ELECTRICAL LARGE SCALE PLANS**

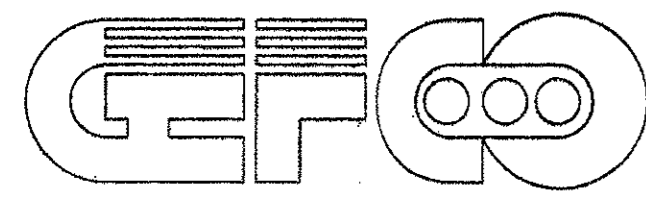
Project No. 14516.00 Scale: NONE  
Drawn By: ARM  
Checked By: KG  
Approved By: KG  
Date: 09/30/02

Drawing No. **E2-2**

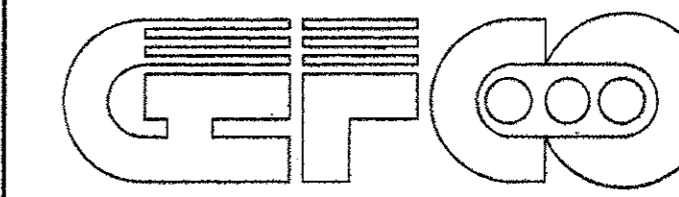


### PANEL H1

CB	A			B			C		
	P	TA	#	P	TA	#	P	TA	#
LIGHTS	1	20	1	700.0	1500.0				
LIGHTS	1	20	3		1500.0	805.0			
LIGHTS	1	20	5			895.0			
LIGHTS - ELECTRIC ROOM	1	20	7	800.0					
SPARE	1	20	9						
SPARE	1	20	11						
LIGHTS PERGOOLA	1	20	13	1200.0	300.0				
LIGHTS PERGOOLA	1	20	15						
SPARE	1	20	17						
SPARE	1	20	19						
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SPACE	1	20	425						
SPACE	1	20	427						
SPACE	1	20	429						
SPACE	1	20	431						
SPACE	1	20	433						
SPACE	1	20	435						



ADDISON CIRCLE ARTS (D)  
 ADDISON, TX  
 DECORATIVE FOUNTAIN



FOUNTAIN PLAN EQUIPMENT SYMBOLS			
	SURFACE SKIMMER		EQUIPMENT ROOM FLOOR DRAIN
	VACUUM FITTING		WATER LEVEL SENSOR
	EYEBALL FITTING		SMALL SUBMERSIBLE FREESTANDING LIGHT FIXTURE
	2" SMALL POOL DRAIN		SUBMERSIBLE FREESTANDING LIGHT FIXTURE
	4" MAIN POOL DRAIN		SUBMERSIBLE NICHE LIGHT FIXTURE
	2" WALL NICHE OVERFLOW		RECTANGULAR SUBMERSIBLE NICHE LIGHT FIXTURE
	4" WALL NICHE OVERFLOW		SMALL JUNCTION BOX WITH CORD SEALS
	OVERFLOW DRAIN STANDPIPE		MEDIUM JUNCTION BOX WITH CORD SEALS
	8" DIAM. CYCLAC SUMP		LARGE JUNCTION BOX WITH CORD SEALS
	ABS SUMP; BTM. OUTLET		BRASS SLAB CONDUIT
	ABS SUMP; SIDE OUTLET		POOL DECK BOX
	24" SQ. A-V PLATE		DISTRIBUTION BOX - PVC AND/OR AS LABELED OTHERWISE
	16" SQ. A-V PLATE		WIND ANEMOMETER
	COPPER, BRASS OR PVC SLAB PENETRATION (AS NOTED)		EQUIP. ROOM OR PUMP STATION LIGHT
	ADJUSTABLE INLET FITTING		EQUIP. ROOM OR PUMP STATION DUPL. RECEPTACLE
	ENCLOSED PILOT VALVE NICHE MOUNTED		EQUIP. ROOM OR PUMP STATION LIGHT SWITCH
	FOUNTAIN JET - AS LABELED		FOUNTAIN CONTROL PANEL
	FOUNTAIN JET POD		FOUNTAIN TRANSFORMER AS NOTED

FOUNTAIN PLAN PIPING SYMBOLS			
	GATE VALVE		FLANGED 90° ELBOW W/ FLANGED CONNECTION
	BALL VALVE		FLANGED TEE
	BUTTERFLY VALVE (FLANGED)		FLANGED REDUCER
	SWING CHECK VALVE		NON-FLANGED REDUCER
	FLANGED CHECK VALVE		TEE (THIRD LEG OUT)
	MOTOR OPERATED VALVE		TEE (THIRD LEG DOWN)
	SOLENOID OR DIAPHRAM OPERATED VALVE		TEE (THIRD LEG UP)
	90° ELL (SIDE)		PIPE AND FLOW DIRECTION
	90° ELL (DOWN)		ELECTRICAL CONDUIT NUMBER AND SIZE OF WIRES
	90° ELL (UP)		CHEMICAL PIPING
	THREADED CONNECTION		AIR VENT PIPING
	SOCKET CONNECTION - PVC		FLOW, PRESSURE AND VACUUM SWITCH

GENERAL CONTRACTOR NOTES	
	* * * INDICATES MATERIAL PROVIDED BY FOUNTAIN EQUIPMENT SUPPLIER, REMAINDER BY DESIGNATED CONTRACTOR.
	CONTRACTOR SHALL INSURE THAT INSTALLATION COMPLIES WITH ALL APPLICABLE NATIONAL AND LOCAL CODES AND PROJECT SPECIFICATIONS.
	G ALL POOLS SHALL BE WATERPROOFED BY SPECIFIED, APPROVED MEANS.
	G PRIOR TO ANY FINISHING MATERIALS (I.E. LIGHTS, JETS, COVERPLATES) BEING INSTALLED, ALL POOLS SHALL BE TESTED FOR LEAKS FOR A MINIMUM OF 72 HOURS AND ALL WATERPROOFING AND TILE WORK SHALL BE COMPLETED.
	G REFER TO MECHANICAL AND ELECTRICAL NOTES FOR FURTHER INFORMATION.
	G FIELD VERIFY ALL DIMENSIONS.
	G CONSULT ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DETAILS NOT SHOWN ON THESE DRAWINGS.
	G ALL WEIRS SHALL BE INSTALLED WITH AN ACCURACY OF "+.0" OR "-.1" OVER THE ENTIRE WEIR LENGTH, UNLESS OTHERWISE NOTED, REFER TO THE ARCHITECTURAL DRAWINGS FOR WEIR DETAILS.
	G GENERAL CONTRACTOR SHALL PROVIDE ALL CONCRETE WORK AS REQUIRED BY ALL MECHANICAL AND ELECTRICAL FOUNTAIN EQUIPMENT REQUIREMENTS INCLUDING, BUT NOT LIMITED TO, HOUSE KEEPING PADS, LOCKDOWN SLABS, THRUSTBLOCKS, (SEE MECH. NOTES AND ALL DETAILS) WHERE INDICATED.
	G GENERAL CONTRACTOR SHALL PROVIDE ALL UTILITIES SUCH AS POWER SUPPLIES, WATER SUPPLIES AND SEWER CONNECTIONS UNDER THE BUILDING CONTRACT UP TO THE FOUNTAIN CONTROLS, EQUIPMENT AND/OR POOL FITTINGS. (SEE MECH. NOTES AND ALL DETAILS) WHERE INDICATED.
	G GENERAL CONTRACTOR SHALL PROVIDE AND IS RESPONSIBLE FOR ALL ELEVATION AND X-Y COORDINATES RELATING TO ALL FOUNTAIN EQUIPMENT INCLUDING VAULTS, POOL FLOORS AND PUMPS.
	G GENERAL CONTRACTOR SHALL PROVIDE AND IS RESPONSIBLE FOR ALL REQUIRED EARTHWORK INCL. EXCAVATION & BACKFILL.
	SYMBOL INDICATES FOUNTAIN POOL EQUIPMENT, DESCRIPTION IS LOCATED IN FOUNTAIN LEGEND ON RESPECTIVE SHEETS.
	SYMBOL INDICATES FOUNTAIN RELATED PIPING AND CONDUITS, SIZE IS LOCATED IN FOUNTAIN LEGEND DESCRIPTION ON RESPECTIVE SHEETS.
	SYMBOL INDICATES GENERAL NOTE, LETTER BESIDE SYMBOL INDICATES TYPE OF GENERAL NOTE, G REPRESENTS GENERAL CONSTRUCTION NOTE, M REPRESENTS MECHANICAL NOTE AND E REPRESENTS ELECTRICAL NOTE, SYMBOL WITHOUT LETTER INDICATES NOTE APPLIES TO MORE THAN ONE DISCIPLINE.
	SYMBOL INDICATES FOUNTAIN SHEET REVISION NUMBER, REVISION DESCRIPTION IS LOCATED IN REVISION BLOCK OF TITLE BLOCK ON RESPECTIVE SHEETS, SYMBOL WITH REVISION NUMBER WILL APPEAR NEXT TO REVISIONS THAT HAVE BEEN MADE.

ISOMETRIC SYMBOLS					
	SURFACE SKIMMER		ABS SUMP		UNDERWATER JUNCTION BOX
	VACUUM FITTING		ANTI-VORTEX PLATE WITH SLAB PENETRATION		UNDERWATER DECK BOX
	EYEBALL FITTING		COPPER, BRASS OR PVC SLAB PENETRATION		WIND ANEMOMETER
	2" SMALL POOL DRAIN		ADJUSTABLE INLET FITTING		SUMP PUMP
	4" MAIN POOL DRAIN		FOUNTAIN JET (AS LABELED)		DUPLX RECEPTACLE
	WALL NICHE OVERFLOW		WATER LEVEL CONTROL		PUMP STATION OR EQUIP. ROOM LIGHT FIXTURE
	OVERFLOW DRAIN STANDPIPE		FREESTANDING SUBMERSIBLE LIGHT FIXTURE		FOUNTAIN CONTROL PANEL
	8" DIAM. CYCLAC SUMP		NICHE LIGHT FIXTURE		FOUNTAIN TRANSFORMER

MECHANICAL CONTRACTOR NOTES	
	* * * INDICATES MATERIAL PROVIDED BY FOUNTAIN EQUIPMENT SUPPLIER, REMAINDER BY DESIGNATED CONTRACTOR.
	CONTRACTOR SHALL INSURE THAT INSTALLATION COMPLIES WITH ALL APPLICABLE NATIONAL AND LOCAL CODES AND PROJECT SPECIFICATIONS.
	M ALL PIPING RUNS ARE DRAWN FOR CLARITY AND DO NOT NECESSARILY SHOW EXACT ROUTING, CONTRACTOR SHALL INSTALL PIPES WITH AS FEW CHANGES IN DIRECTION AS JOBSITE CONDITIONS WILL ALLOW.
	M INDICATES CONNECTION POINT PROVIDED BY FOUNTAIN EQUIPMENT MANUFACTURER, ALL PIPING BETWEEN THIS POINT AND THE POOL EQUIPMENT TO BE PROVIDED BY THE DESIGNATED CONTRACTOR.
	M INDICATES MID-POINT OF PIPES CONNECTING RESPECTIVE FOUNTAIN EQUIPMENT COMPONENTS.
	M PRESSURE TESTING ON ALL PIPE RUNS BETWEEN THE PUMPING EQUIPMENT AND THE FOUNTAIN BASIN SHALL BE DONE BY THE CONTRACTOR AFTER "ROUGH INS" (PIPES LAID AND STUBBED UP) ARE COMPLETE AND AGAIN BEFORE ANY CONCRETE IS POURED, IT IS RECOMMENDED TO MAINTAIN ALL PIPING UNDER PRESSURE DURING CONSTRUCTION PHASE TO DETECT ANY DAMAGE EARLY ON, ALL TESTS SHALL USE WATER, NOT AIR.
	M THE INCOMING WATER SUPPLY LINE PRESSURE MUST NOT EXCEED 50 PSI AND IS PART OF THE BUILDING CONTRACT, NOT THE FOUNTAIN.
	M CONTRACTOR SHALL OBTAIN ALL NECESSARY INSTALLATION PERMITS AND INSPECTIONS.
	M ALL PIPING SHALL BE INSTALLED LEVEL OR WITH A DOWNWARD SLOPE FROM THE POOL TO THE PUMP ROOM.
	M ALL PIPING BELOW 6" BETWEEN PUMP EQUIPMENT AND POOL EQUIPMENT SHALL BE SCHEDULE 40 PVC, ALL DISPLAY DISCHARGE PIPING 6" AND ABOVE SHALL BE SCHEDULE 80 PVC UNLESS OTHERWISE NOTED.
	M G/C AND M/C ARE TO INSTALL CONCRETE THRUST BLOCKS AT ALL 90 DEGREE TURNS IN FOUNTAIN DISPLAY DISCHARGE PIPING 6" AND LARGER.
	M ALL PIPING SHALL BE PRESSURE TESTED AFTER INSTALLATION IN ACCORDANCE WITH PROJECT TESTING STANDARDS (MINIMUM OF 50 PSI), TESTING SHALL NOT BE DONE BY COMPRESSED AIR, WATER SHALL BE USED FOR THESE TESTS.
	M ALL WELDED PVC FITTINGS ABOVE 6" DIAMETER SHALL BE FIBERGLASS REINFORCED AND USED ONLY ON NON-PRESSURIZED LINES.
	M ALL PIPING IN OPEN AREAS BELOW THE POOLS SHALL BE INSTALLED FREEHANGING FROM THE CEILING IN THE LEVEL BELOW WITH PIPE HANGERS/PER SPECIFICATIONS AND CODE.
	M ALL PIPING PENETRATIONS THROUGH STRUCTURE WALLS INTO OPEN AREAS BELOW POOL STRUCTURE MUST HAVE THE NECESSARY ALLOWANCES MADE FOR SETTLEMENT.
	M ALL PENETRATIONS THROUGH OUTSIDE WALLS TO BELOW GRADE SHALL BE SEALED USING "EASY-LINK SEALS".

ELECTRICAL CONTRACTOR NOTES	
	* * * INDICATES MATERIAL PROVIDED BY FOUNTAIN EQUIPMENT SUPPLIER, REMAINDER BY DESIGNATED CONTRACTOR.
	E CONTRACTOR SHALL INSURE THAT INSTALLATION COMPLIES WITH ALL APPLICABLE NATIONAL AND LOCAL CODES, ESPECIALLY N.E.C. SECTION 680 E, AND PROJECT SPECIFICATIONS.
	E CONDUITS ARE DRAWN FOR CLARITY AND DO NOT NECESSARILY SHOW EXACT ROUTING, CONTRACTOR SHALL INSTALL CONDUITS WITH AS FEW CHANGES IN DIRECTION AS JOBSITE CONDITIONS WILL ALLOW.
	E INDICATES CONNECTION POINT PROVIDED BY FOUNTAIN EQUIPMENT MANUFACTURER, ALL CONDUITS BETWEEN THIS POINT AND THE POOL EQUIPMENT TO BE PROVIDED BY THE DESIGNATED CONTRACTOR.
	E CONTRACTOR SHALL OBTAIN ALL NECESSARY INSTALLATION PERMITS AND INSPECTIONS.
	E ELECTRICAL CONDUIT INSIDE A STRUCTURE AREA TO BE EMT, ELECTRICAL CONDUIT UNDERGROUND TO BE PVC.
	E CONTRACTOR TO INSURE THAT ALL BONDING CODES ARE COMPLIED WITH FOR EACH METAL POOL EQUIPMENT COMPONENT.
	E AFTER TESTING, JUNCTION BOXES NEED TO BE SEALED WITH PARAFFIN WAX OR OTHER APPROVED FILLING COMPOUND. (SEE 2 ABOVE).
	E WIRES FOR WATER LEVEL MONITOR MUST BE RUN IN A SEPARATE CONDUIT TO THE FOUNTAIN CONTROL PANEL.
	E ALL CONDUIT PENETRATIONS THROUGH STRUCTURE WALLS INTO TRADE AREAS BELOW THE POOL STRUCTURE MUST HAVE THE NECESSARY ALLOWANCES MADE FOR SETTLEMENT.
	E ALL CONDUIT INSTALLATION IN TRADE AREAS BELOW THE POOLS SHALL BE INSTALLED WITH E.M.T. IN THE LEVEL BELOW WITH E.M.T. STRAPS PER SPECIFICATIONS AND N.E.C.
	E FLOOR MOUNTED MOTOR CONTROL CENTERS AND TRANSFORMERS FOR FOUNTAIN RELATED EQUIPMENT SHALL BE INSTALLED ON A 4" CONCRETE HOUSEKEEPING PAD IN EQUIPMENT ROOM.
	E CONTRACTOR INSTALLING FOUNTAIN MANUFACTURER SUPPLIED DECK BOXES IN CONCRETE FOR FOUNTAIN LIGHTING IS TO INSURE THAT ALL OPEN CONDUIT PORTS ARE PLUGGED WATER TIGHT PRIOR TO SLAB POUR AROUND DECK BOXES.
	E ALL PENETRATIONS THROUGH OUTSIDE WALLS TO BELOW GRADE SHALL BE SEALED USING "EASY-LINK SEALS".
	E ALL CONNECTIONS IN THE POOL/FOUNTAIN SHALL BE MADE WITH THE ASSISTANCE OF A PLUMBER, USING TEFLON TAPE OR TEFLON PASTE, USE ONLY TAPERED (NPT) BRASS OR SST FITTINGS OR NIPPLES, THE USE OF GALVANIZED, BLACK OR STEEL PIPING IS PROHIBITED!
	E ALL PVC CONDUIT CONNECTIONS UNDERGROUND SHALL BE SCH40 PRESSURE FITTINGS (FTE) MALE ADAPTERS & COUPLINGS, USE COLOR CODED PRIMER & PRESSURE FITTING PVC GLUE & TEFLON PASTE, THE USE OF NORMAL ELECTRICAL PVC FITTINGS IS PROHIBITED!

SHEET NO.	DESCRIPTION	PROJECT NUMBER:	ORIGINAL ISSUE DATE:
F0-0	COVER SHEET/SYMBOLS/GENERAL NOTES	#0701-259	05-21-02
F1-1	WATER GARDEN DISCHARGE PLAN VIEW	REVISION #	REVISION DATE:
F1-2	WATER GARDEN SUCTION & DRAIN PLAN VIEW	1	09-23-02
F1-3	WATER GARDEN ELECTRICAL PLAN VIEW	SEAL	SEAL
F1-4	WATER GARDEN DETAILS		
F2-1	PLAZA INTERACTIVE FOUNTAIN DISCHARGE PLAN VIEW		
F2-2	PLAZA INTERACTIVE FOUNTAIN DRAINAGE PLAN VIEW		
F2-3	PLAZA INTERACTIVE FOUNTAIN SUCTION PLAN VIEW		
F2-4	PLAZA INTERACTIVE FOUNTAIN ELECTRICAL PLAN VIEW		
F2-5	PLAZA INTERACTIVE FOUNTAIN DETAILS		
FE1-1	ELECTRICAL DIAGRAM		
X	X		

GEORGIA FOUNTAIN COMPANY - INTERACTIVE, ANIMATED & ARCHITECTURAL WATER FOUNTAINS

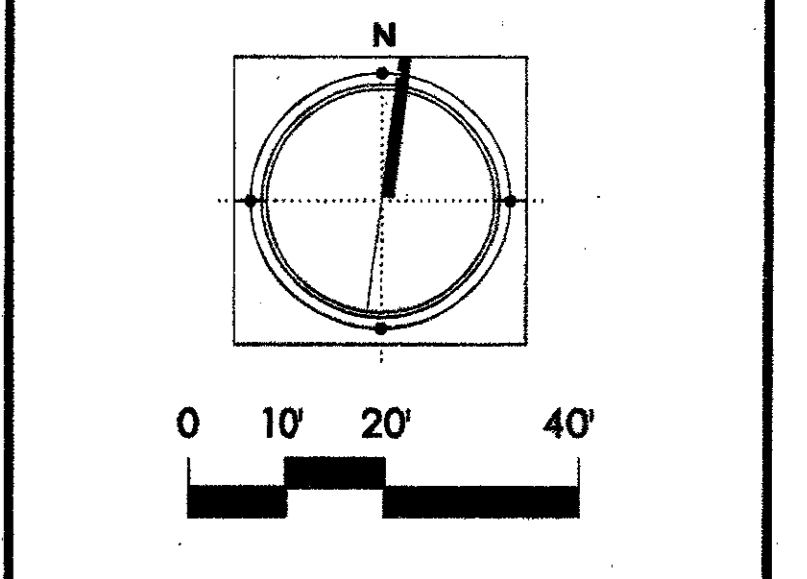
TELEPHONE (770) 934-3297

2513 ROYAL PLACE - TUCKER, GEORGIA 30084 USA

FAX. (770) 934-8770

SHEET  
OF  
FILE # 0300

ISSUED FOR CONSTRUCTION	09-30-02
No. Description	Date
DWG ISSUE & REVISION HISTORY	
Stamp	



Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

Drawing Title:  
**FOUNTAIN LEGEND & ABBREVIATIONS**

Project No. 14516.00 Scale:  
 Drawn By:  
 Checked By:  
 Approved By:  
 Date: September 30, 2002

Drawing No. **F0-0**

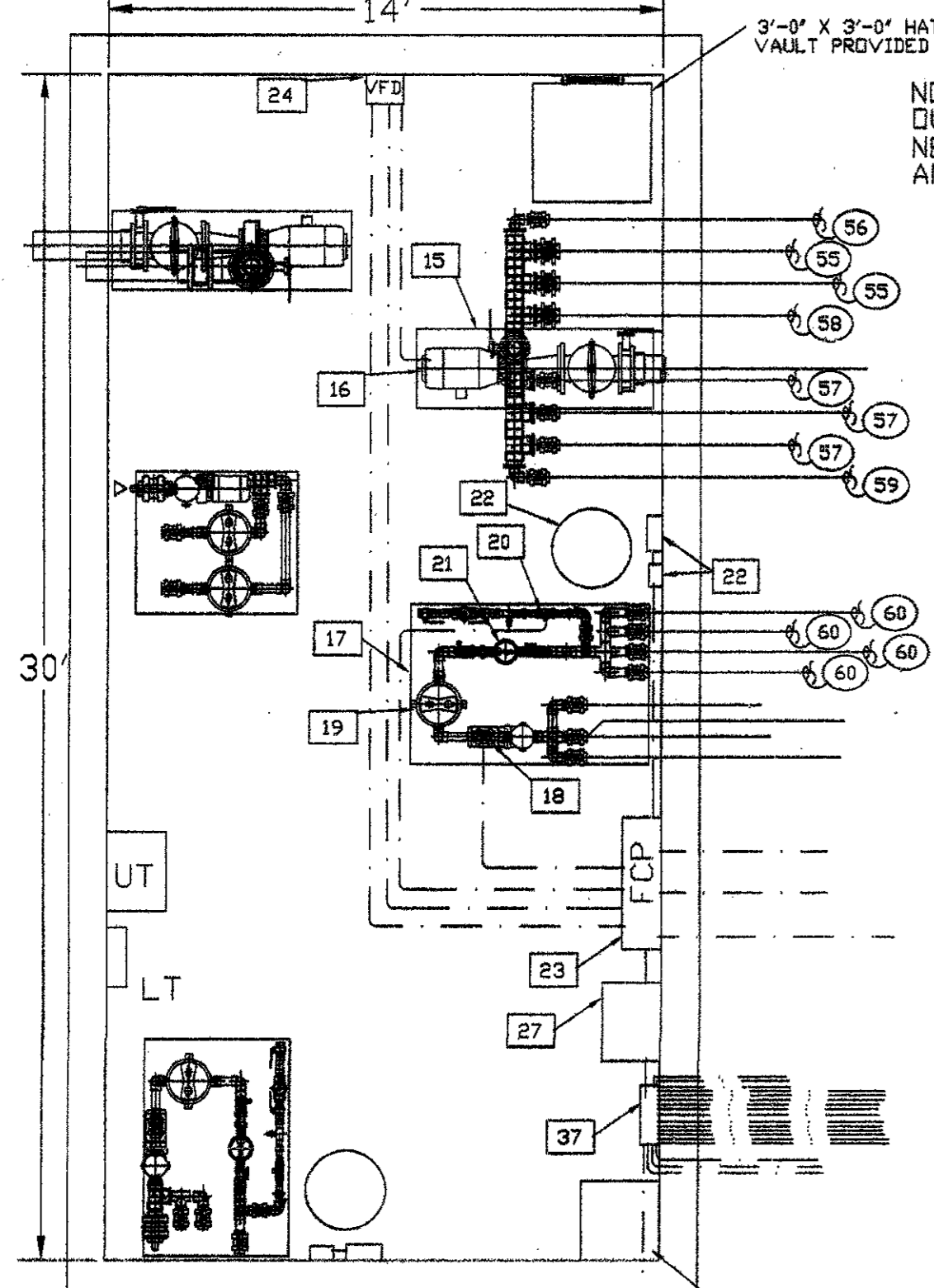


NOTE:  
 PROPER VENTILATION AND  
 DRAINAGE MUST BE PROVIDED  
 IN PUMP ROOM PER CODE.

NOTE:  
 SEE ELECTRICAL DRAWINGS  
 FOR POWER, VAULT LIGHTING,  
 SUMP PUMP AND VENTILATION  
 INFORMATION.

NOTE:  
 OUTLETS TO BE PROVIDED  
 NEAR PH/DRP SYSTEM  
 AND SUMP PUMP.

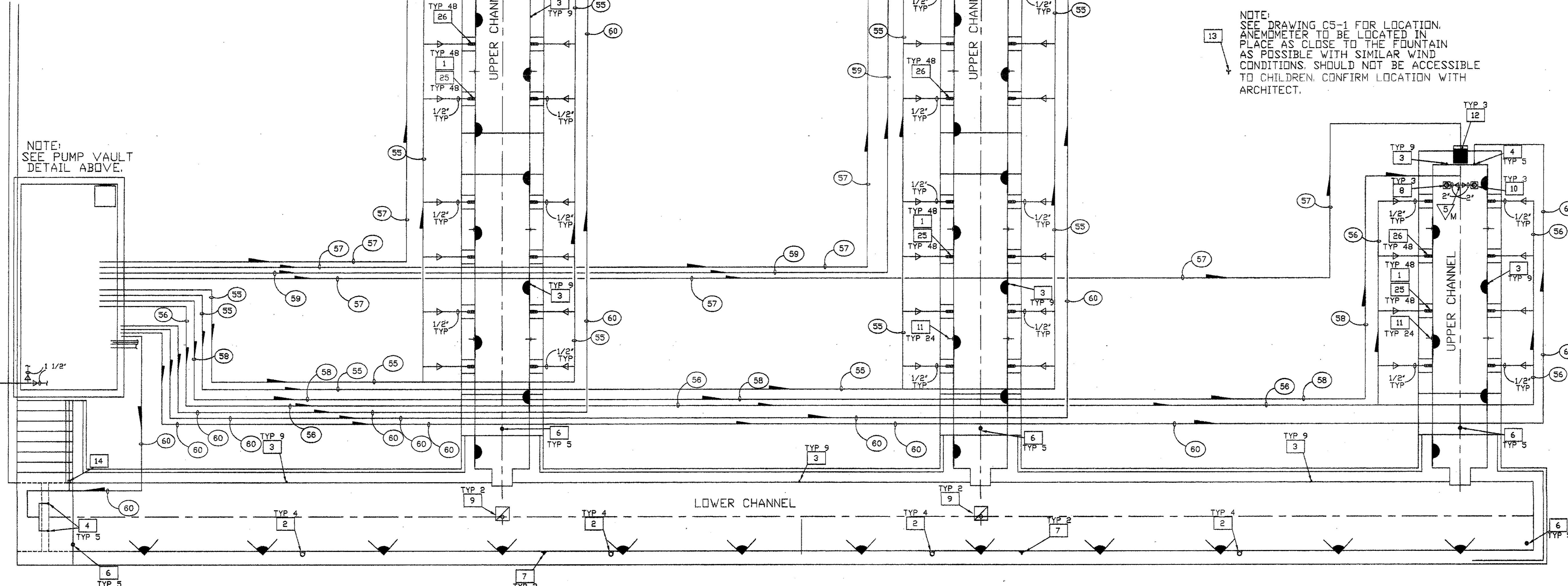
NOTE:  
 SEE DRAWING C7-9 DETAIL  
 5 FOR STAINLESS STEEL BASIN  
 PROVIDED BY DESIGNATED  
 CONTRACTOR, TYP 3



**WATER GARDEN  
 MECHANICAL PUMP LAYOUT**  
 SCALE: 1/4" = 1'-0"

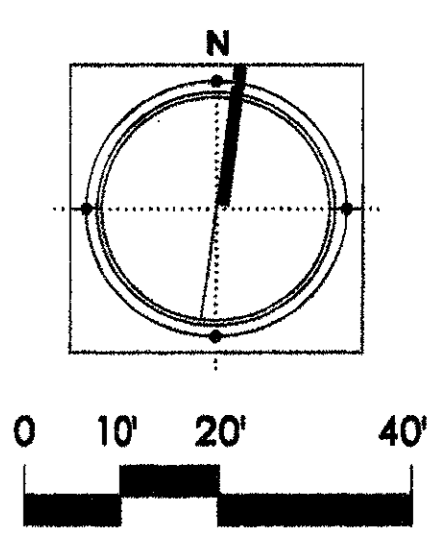
NOTE:  
 SEE PUMP VAULT  
 DETAIL ABOVE.

4" WATER SUPPLY  
 LINE SPLITTING TO  
 DRP TYP SYSTEMS



**DISCHARGE, FILL & FILTER RETURN PLAN VIEW**  
 SCALE: 1/8" = 1'-0"

NOTE:  
 SEE DRAWING C5-1 FOR LOCATION.  
 ANEMOMETER TO BE LOCATED IN  
 PLACE AS CLOSE TO THE FOUNTAIN  
 AS POSSIBLE WITH SIMILAR WIND  
 CONDITIONS. SHOULD NOT BE ACCESSIBLE  
 TO CHILDREN. CONFIRM LOCATION WITH  
 ARCHITECT.

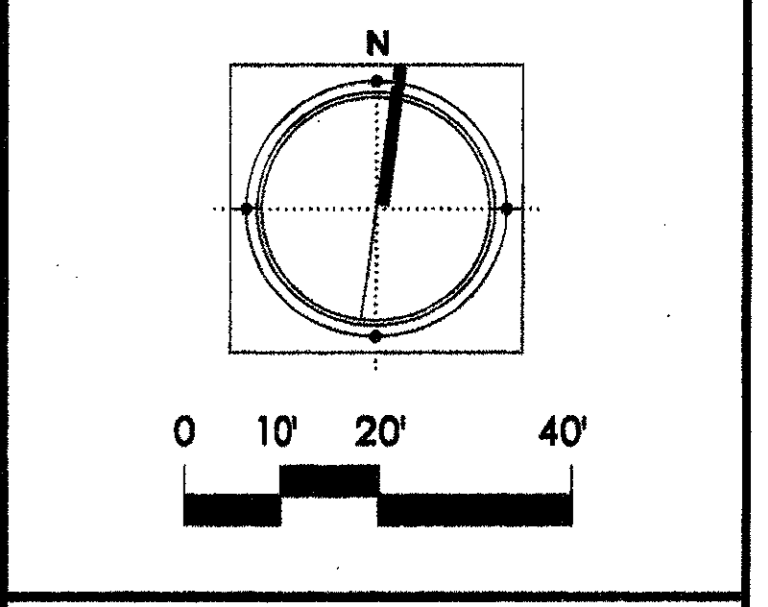
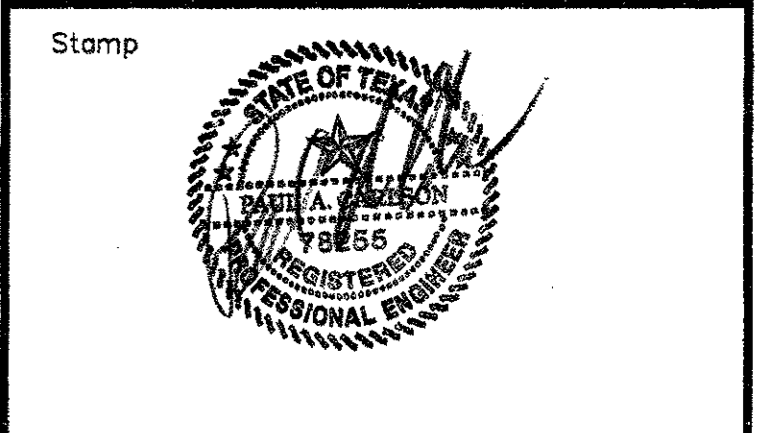


- PIPING
- 50 1 1/2" INCOMING SUPPLY WATER LINE (50 PSI MAXIMUM)
  - 51 6" DISPLAY PUMP SUCTION
  - 52 2" FILTER PUMP SUCTION
  - 53 2" FILTER PUMP SUCTION FROM SURFACE SKIMMERS
  - 54 2" FILTER PUMP SUCTION FROM VACUUM FITTINGS
  - 55 2" DISCHARGE TO STREAM JETS
  - 56 2" DISCHARGE TO STREAM JETS
  - 57 2" DISCHARGE TO STAINLESS STEEL TROUGH (BY OTHERS)
  - 58 3" BALLAST DISCHARGE TO SUMPS
  - 59 2" BALLAST DISCHARGE TO SUMP
  - 60 2" FILL/FILTER RETURN TO EYEBALL FITTINGS
  - 61 6" MAIN DRAIN LINE TO STORM (SEE DRAWING C4-2)
  - 62 4" OVERFLOW DRAIN LINE TO MAIN DRAIN LINE
  - 63 4" POOL DRAIN LINE TO MAIN DRAIN LINE
  - 64 3/4" DRAIN LINE FROM STAINLESS STEEL JET CAN TO POOL
- CONDUITS
- 70 2 1/2" INCOMING POWER 120/208V 3P 225A (44/0+1#30)
  - 71 1" CONDUIT FROM CONTROL PANEL TO VFD FOR 15HP DISPLAY PUMP (3#8+1#60) (VA VFD)
  - 72 1/2" CONDUIT FROM CONTROL PANEL TO 3HP FILTER PUMP (2#14+1#60)
  - 73 1/2" CONDUIT FROM CONTROL PANEL TO FILL VALVE (2#14+1#40)
  - 74 3/4" CONDUIT FROM CONTROL PANEL TO WATER LEVEL SENSOR (2#18+1#80)
  - 75 1/2" CONDUIT FROM CONTROL PANEL TO ANEMOMETER (1 PAIR #18 CABLE)
  - 76 3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHTS 4 X 75W 12V) (2#10+1#100)
  - 77 3/4" CONDUIT FROM CONTROL PANEL TO DECK BOX (LIGHTS 2 X 75W 12V) (2#10+1#100)
  - 78 3/4" CONDUIT FROM CONTROL PANEL TO PYLON LIGHTS BY CONTRACTOR (2 X 300W) (2#12+1#120)
  - 79 1/2" CONDUIT FROM CONTROL PANEL TO PH/ROD EROSION CONTROLLER (2#14+1#140)
  - 80 1" CONDUIT FROM VFD TO 15 HP PUMP (3#8+1#60)
  - 81 1" CONDUIT FROM CONTROL PANEL TO 5 KVA TRANSFORMER (1#12 VAC) (3#8+1#60)
  - 82 2" CONDUIT FROM 5 KVA TRANSFORMER TO LIGHTING PANEL (3#4/0+1#30)
  - 83 3/4" CONDUIT FROM LIGHT FIXTURE TO DECK BOX (LIGHT CABLE)
  - 84 1/2" CONDUIT FROM CONTROL PANEL TO VFD (2#18+1#180)

- ADDISON CIRCLE ARTS (D)  
 WATER GARDEN  
 EQUIPMENT LIST
- | QTY | DETAIL | ITEM DESCRIPTION  |
|-----|--------|---|
| 1   | A-F1-4 | GEFCO SELECT #PE105-05 STREAM JET 3/8" ORIF. SIZE, 1/2" FEMALE NPT. CONN., 10' ADJ.                     |
| 2   | B-F1-4 | GEFCO #PE100-1 SURFACE SKIMMER, 1-1/2" N.P.T. FEMALE CONNECTION.  |
| 4   | O-F1-4 | GEFCO #PE101 VACUUM FITTING, 2" N.P.S. FEMALE CONNECTION.   |
| 4   | O-F1-4 | GEFCO #PE102 EYEBALL FITTING, 1" ORIFICE SIZE, 2" N.P.S. FEMALE CONNECTION.                             |
| 5   | X      | X   |
| 5   | F-F1-4 | GEFCO SELECT #PE104-4 MAIN POOL DRAIN 4" FEMALE NPT. CONNECTION.  |
| 2   | G-F1-4 | GEFCO #PE105-4 WALL NICHE ADJUSTABLE OVERFLOW, 4" MALE CONNECTION.                                      |
| 3   | H-F1-4 | GEFCO #PE107 SUMP FOR BALLAST POOLS: 2" NPT.FEM. BOTTOM AND SIDE CONNECTIONS.                           |
| 2   | J-F1-4 | GEFCO #PE108-8-2B SUMP, 6" AND 2" BOTTOM CONNECTION, 24" X 24" STAINLESS STEEL ANTI-VORTEX PLATE.       |
| 10  | H-F1-4 | GEFCO #PE108E 12" SQ. ANTI-VORTEX PLATE, 12" X 12" STAINLESS STEEL ANTI-VORTEX PLATE.                   |
| 24  | K-F1-4 | GEFCO #PE109-07P SLAB PENETRATION, 3/4" DIA. X 18" LONG SCH. 80 PVC. PIPE W/ PVC. WATERSTOP FLANGE.     |
| 3   | L-F1-4 | GEFCO #PE109-20 SLAB PENETRATION, 2" DIA. X 18" LONG OPR. TUBE W/ BRG. WATERSTOP FLANGE.                |
| 1   | M-F1-4 | GEFCO #EE114A ANEMOMETER, 3/4" FEMALE NPT. CONNECTION. (SEE C5-1 FOR LOCATION).                         |
| 1   | N-F1-4 | GEFCO SELECT #EE1318 DUAL WATER LEVEL SENSOR, 3/4" NPT. BTM. CONNECTION.                                |
| 1   | X      | X   |
| 1   | X      | GEFCO #SK115 PUMPING SKID: 2'-0" X 4'-0" PAD, FACTORY TESTED AND PREASSEMBLED.                          |
| 1   | X      | GEFCO SELECT #M212-15 DISPLAY PUMP: 15 HP, 650 GPM AT 60 FH, 208 V, 3P 1750 RPM, 60 HZ.                 |
| 1   | X      | GEFCO #SK103-100 PUMPING SKID: 4'-0" X 6'-0" PAD, FACTORY TESTED AND PREASSEMBLED.                      |
| 1   | X      | GEFCO SELECT #FM112 FILTER PUMP: 3 HP, 35 GPM. AT 50 FH, 208V, 3P, 3450 RPM, 60HZ.                      |
| 1   | X      | GEFCO SELECT #M800-150 CARTRIDGE FILTER ASSEMBLY: 150 SQ. FT. FILTER W/ 150 SQ. FT. REPLACEMENT FILTER. |
| 1   | X      | GEFCO #M800-155P WATER CONTROL MANFOLD: AUTOMATIC FILL/LEVEL CONTROL MANFOLD, WITH P.R.V.               |
| 1   | X      | GEFCO SELECT #PM1725 BROWNIATOR WITH FLOW INDICATOR: 1-1/2" NPT. CONNECTION.                            |
| 1   | X      | GEFCO SELECT #PM1750P/DRP/CRP ANEMOMETER CONTROLLER: 120V AC.   |
| 1   | X      | GEFCO CUSTOM CONTROL PANEL: NEMA 3R STEEL ENCL. 120/208V AC 3P RATED AT 225 AMPS.                       |
| 1   | X      | ABB #ACS401-600-30/2 VARIABLE FREQUENCY DRIVE: 15 HP PUMP   |
| 1   | X      | X   |
| 45  | A-F1-4 | GEFCO CUSTOM STREAM JET SLEEVE CAN: 1/2" NPT. FEM. BOTTOM CONN., 3/4" NPT. FEM. BOTTOM DRAIN CONN.      |
| 1   | X      | GEFCO SELECT TRANSFORMER: 5 KVA, 120 PRML., 16/32 SEC.  |
| 6   | E-F1-4 | GEFCO SELECT EE138-4 DECK BOX (4) 3/4" NPT. 5/1" CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.          |
| 3   | E-F1-4 | GEFCO SELECT EE138-3 DECK BOX (3) 3/4" NPT. 5/1" CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.          |
| 6   | E-F1-4 | GEFCO SELECT EE138-2 DECK BOX (2) 3/4" NPT. 5/1" CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.          |
| 1   | X      | X   |
| 45  | E-F1-4 | GEFCO SELECT EE137-4 JUNCTION BOX CORD SEALS: 1/2" CONDUIT X 3/4" BOX ENTRY CONN., U.L. LISTED.         |
| 33  | X      | UPPER CHANNEL LIGHTS BY DESIGNATED CONTRACTOR (75W, 12V)  |
| 12  | X      | LOWER CHANNEL LIGHTS BY DESIGNATED CONTRACTOR (300W, 120V)  |
| 1   | X      | X   |
| 1   | X      | X   |
| 1   | X      | GEFCO SELECT LIGHTING PANEL: 240/120V, 2 POLE+N W/ 225 AMP MAIN BREAKER, 12 SPACE, 225 AMP BUSS.        |
| 6   | X      | PYLON LIGHTS BY DESIGNATED CONTRACTOR (300W, 120V)  |

NOTE:  
 CONTROL PANEL COMMON  
 TO EACH FOUNTAIN

ISSUED FOR CONSTRUCTION	09-30-02
No. Description	Date
DWG ISSUE & REVISION HISTORY	



Project Title:  
**ADDISON ARTS &  
 EVENTS DISTRICT**  
 ADDISON, TEXAS

Drawing Title:  
**WATER GARDEN  
 DISCHARGE, FILL &  
 FILTER RETURN PLAN**

Project No. 14516.00 Scale: AS NOTED  
 Drawn By:  
 Checked By:  
 Approved By:  
 Date: September 30, 2002

Drawing No.  
**F1-1**

ADDISON CIRCLE ARTS (D)  
 WATER GARDEN  
 EQUIPMENT LIST

SYM	DETAIL	ITEM DESCRIPTION	48
11	A-F1-4	GEFCO SELECT #E1105-05 STREAM JET 3/8" ORIF. SIZE, 1/2" FEMALE NPT. CONN., 10" ADJ.	4
12	B-F1-4	GEFCO SELECT #E1100-1 SURFACE SHOWER, 1-1/2" N.P.S. FEMALE CONNECTION.	4
13	C-F1-4	GEFCO #E1101 VACUUM FITTING, 2" N.P.S. FEMALE CONNECTION.	9
14	D-F1-4	GEFCO #E1102 EYEBALL FITTING, 1" ORIFICE SIZE, 2" N.P.S. FEMALE CONNECTION.	5
15	X	X	-
16	F-F1-4	GEFCO SELECT #E1104-4 MAIN POOL DRAIN, 4" FEMALE NPT. CONNECTION.	5
17	G-F1-4	GEFCO #E1105-4 WALL NICHE ADJUSTABLE OVERFLOW, 4" MALE CONNECTION.	2
18	H-F1-4	GEFCO #E1107 SLUMP FOR BALLAST POOLS, 2" NPT. FEM. BOTTOM AND SIDE CONNECTIONS.	3
19	J-F1-4	GEFCO #E1108-8-28 SLUMP, 8" AND 2" BOTTOM CONNECTION, 24" X 24" STAINLESS STEEL ANTI-VORTEX PLATE.	2
10	H-F1-4	GEFCO #E1108-12-52 ANTI-VORTEX PLATE, 12" X 12" STAINLESS STEEL ANTI-VORTEX PLATE.	3
11	K-F1-4	GEFCO #E1109-07P SLAB PENETRATION, 3/4" DIA. X 18" LONG DR. 80 PVC PIPE W/ PVC WATERSTOP FLANGE.	24
12	L-F1-4	GEFCO #E1109-20 SLAB PENETRATION, 2" DIA. X 18" LONG DR. TUBE W/ BRSS. WATERSTOP FLANGE.	3
13	M-F1-4	GEFCO #E114A ANEMOMETER, 3/4" FEMALE NPT. CONNECTION. (SEE C5-1 FOR LOCATION)	1
14	N-F1-4	GEFCO SELECT #E1318 DUAL WATER LEVEL SENSOR, 3/4" NPT. BTM. CONNECTION.	1
15	X	X	-
16	X	GEFCO #SK115 PUMPING SKID, 2'-0" X 4'-0" PAD, FACTORY TESTED AND PREASSEMBLED.	1
17	X	GEFCO SELECT #F1212-15 DISPLAY PUMP, 15 HP, 650 GPM AT 80 FH, 208 V, 3P, 1750 RPM, 60 HZ.	1
18	X	GEFCO #SK103-100 PUMPING SKID, 4'-0" X 8'-0" PAD, FACTORY TESTED AND PREASSEMBLED.	1
19	X	GEFCO SELECT #F1112 FILTER PUMP, 3 HP., 35 GPM. AT 50 FTL, 208V., 3P, 3450 RPM, 60HZ.	1
20	X	GEFCO SELECT #F1900-150 CARTRIDGE FILTER ASSEMBLY, 150 SQ. FT. FILTER W/ 150 SQ. FT. REPLACEMENT FILTER.	1
21	X	GEFCO #F1800-155P WATER CONTROL MANIFOLD, AUTOMATIC FILL/LEVEL CONTROL MANIFOLD, WITH P.R.V.	1
22	X	GEFCO SELECT #F1725 BROWNIATOR WITH FLOW INDICATOR, 1-1/2" NPT. CONNECTION.	1
23	X	GEFCO SELECT #F1750P/DRP ERSON CONTROLLER, 150V AC.	1
24	X	GEFCO CUSTOM CONTROL PANEL, NEMA 3R, STEEL ENCL., 120/208V AC, 3P RATED AT 225 AMP.	1
25	X	ABB #ACS401-600-30/3 VARIABLE FREQUENCY DRIVE, 15 HP PUMP	1
26	X	X	-
27	A-F1-4	GEFCO CUSTOM STREAM JET SLEEVE CAN, 1/2" NPT. FEM. BOTTOM CONN., 3/4" NPT. FEM. BOTTOM DRAIN CONN.	48
28	X	GEFCO SELECT LIGHTING TRANSFORMER, 5 KVA, 120V PRM., 16/32 SEC.	1
29	E-F1-4	GEFCO SELECT EE138-4 DECK BOX (4) 3/4" NPT, 5/8" CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.	6
30	E-F1-4	GEFCO SELECT EE138-3 DECK BOX (3) 3/4" NPT, 5/8" CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.	3
31	E-F1-4	GEFCO SELECT EE138-2 DECK BOX (2) 3/4" NPT, 5/8" CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.	6
32	X	X	-
33	E-F1-4	GEFCO SELECT EE137-4 JUNCTION BOX CORO SEALS, 1/2" CONDUIT X 3/4" BOX ENTRY CONN., ULL LISTED.	45
34	X	UPPER CHANNEL LIGHTS BY DESIGNATED CONTRACTOR (75W, 120V)	33
35	X	LOWER CHANNEL LIGHTS BY DESIGNATED CONTRACTOR (300W, 120V)	12
36	X	X	-
37	X	GEFCO SELECT LIGHTING PANEL, 240/120V, 2 POLE-N/W 225 AMP MAIN BREAKER, 12 SPACE, 225 AMP BUSS.	1
38	X	PHON LIGHTS BY DESIGNATED CONTRACTOR (300W, 120V)	6

PIPING

50	1 1/2" INCOMING SUPPLY WATER LINE (50 PSI MAXIMUM)	1
51	8" DISPLAY PUMP SUCTION	1
52	2" FILTER PUMP SUCTION	1
53	2" FILTER PUMP SUCTION FROM SURFACE SKIMMERS	1
54	2" FILTER PUMP SUCTION FROM VACUUM FITTINGS	2
55	2" DISCHARGE TO STREAM JETS	2
56	2" DISCHARGE TO STREAM JETS	1
57	2" DISCHARGE TO STAINLESS STEEL TROUGH (BY OTHERS)	3
58	3" BALLAST DISCHARGE TO SUMP	1
59	2" MAIN DRAIN LINE TO SUMP (SEE DRAWING C4-2)	1
60	2" FILL/FILTER RETURN TO EYEBALL FITTINGS	4
61	6" MAIN DRAIN LINE TO SUMP (SEE DRAWING C4-2)	1
62	4" OVERFLOW DRAIN LINE TO MAIN DRAIN LINE	2
63	4" POOL DRAIN LINE TO MAIN DRAIN LINE	5
64	X	-
65	3/4" DRAIN LINE FROM STAINLESS STEEL JET CAN TO POOL	24

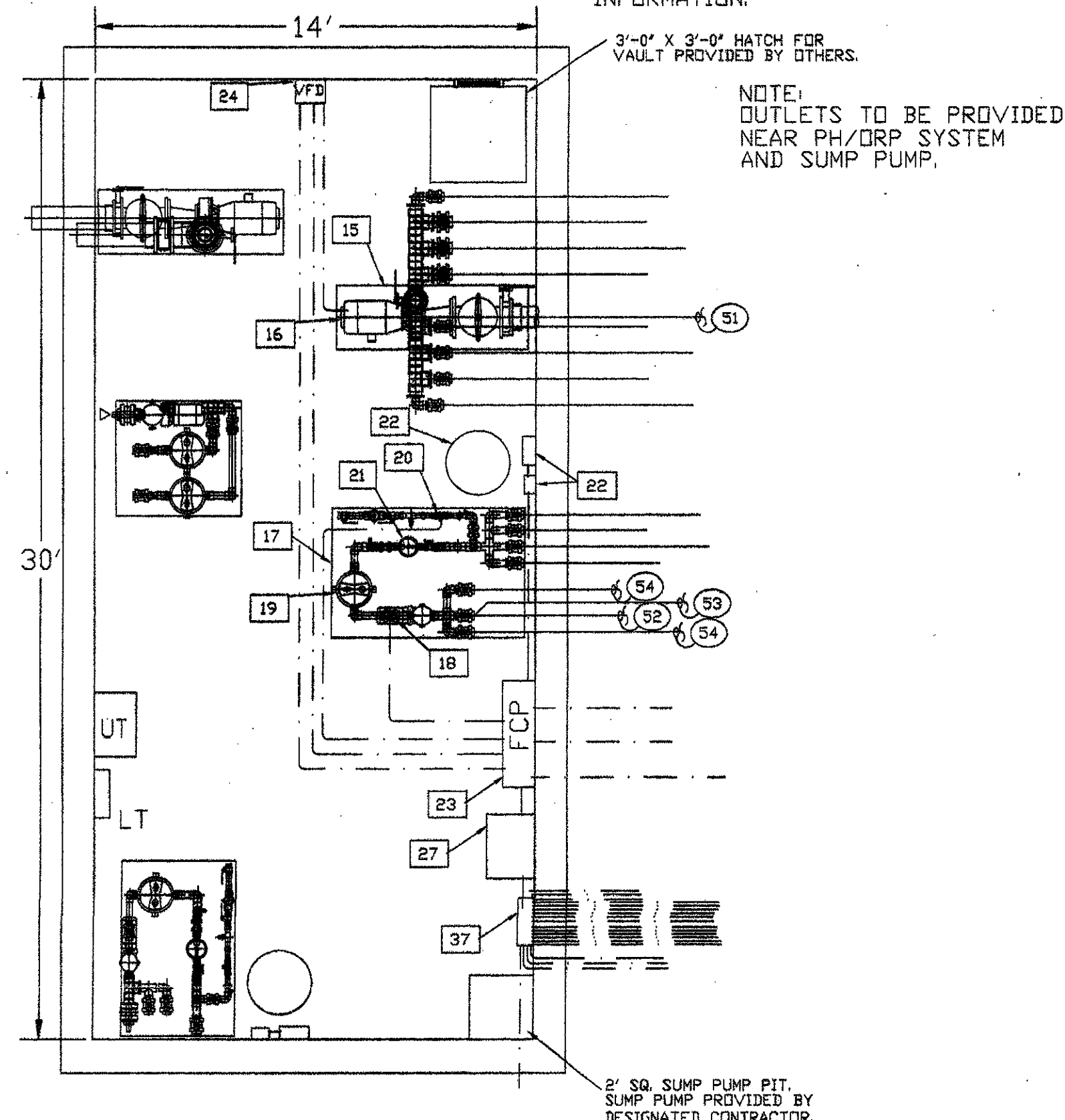
CONDUITS

70	2 1/2" INCOMING POWER 120/208V 3P 225A (4P/0+1#30)	1
71	1" CONDUIT FROM CONTROL PANEL TO VFD FOR 15HP DISPLAY PUMP (3P/0+1#30) (VA VFD)	1
72	1/2" CONDUIT FROM CONTROL PANEL TO 3HP FILTER PUMP (3P/1+1#30)	1
73	1/2" CONDUIT FROM CONTROL PANEL TO FILL VALVE (2P/1+1#140)	1
74	3/4" CONDUIT FROM CONTROL PANEL TO WATER LEVEL SENSOR (2P/1+1#150)	1
75	1/2" CONDUIT FROM CONTROL PANEL TO ANEMOMETER (1 PAIR #18 CABLE)	1
76	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHTS 4 X 75W 120V) (4P/10+1#100)	8
77	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHTS 3 X 75W 120V) (2P/10+1#100)	3
78	3/4" CONDUIT FROM CONTROL PANEL TO DECK BOX (LIGHTS 2 X 300W 120V) (2P/12+1#120)	8
79	3/4" CONDUIT FROM CONTROL PANEL TO PH/DRP ERSON CONTROLLER (2 X 300W) (2P/12+1#120)	3
80	1/2" CONDUIT FROM CONTROL PANEL TO PH/DRP ERSON CONTROLLER (2P/1+1#140)	1
81	1" CONDUIT FROM VFD TO 15 HP PUMP (3P/0+1#30)	1
82	1" CONDUIT FROM CONTROL PANEL TO 5 KVA TRANSFORMER (16/32 VAC) (3P/0+1#30)	1
83	2" CONDUIT FROM 5 KVA TRANSFORMER TO LIGHTING PANEL (3P/0+1#30)	1
84	3/4" CONDUIT FROM LIGHT FIXTURE TO DECK BOX (LIGHT CABLE)	45
85	1/2" CONDUIT FROM CONTROL PANEL TO VFD (2P/1+1#150)	1

NOTE: PROPER VENTILATION AND DRAINAGE MUST BE PROVIDED IN PUMP ROOM PER CODE.

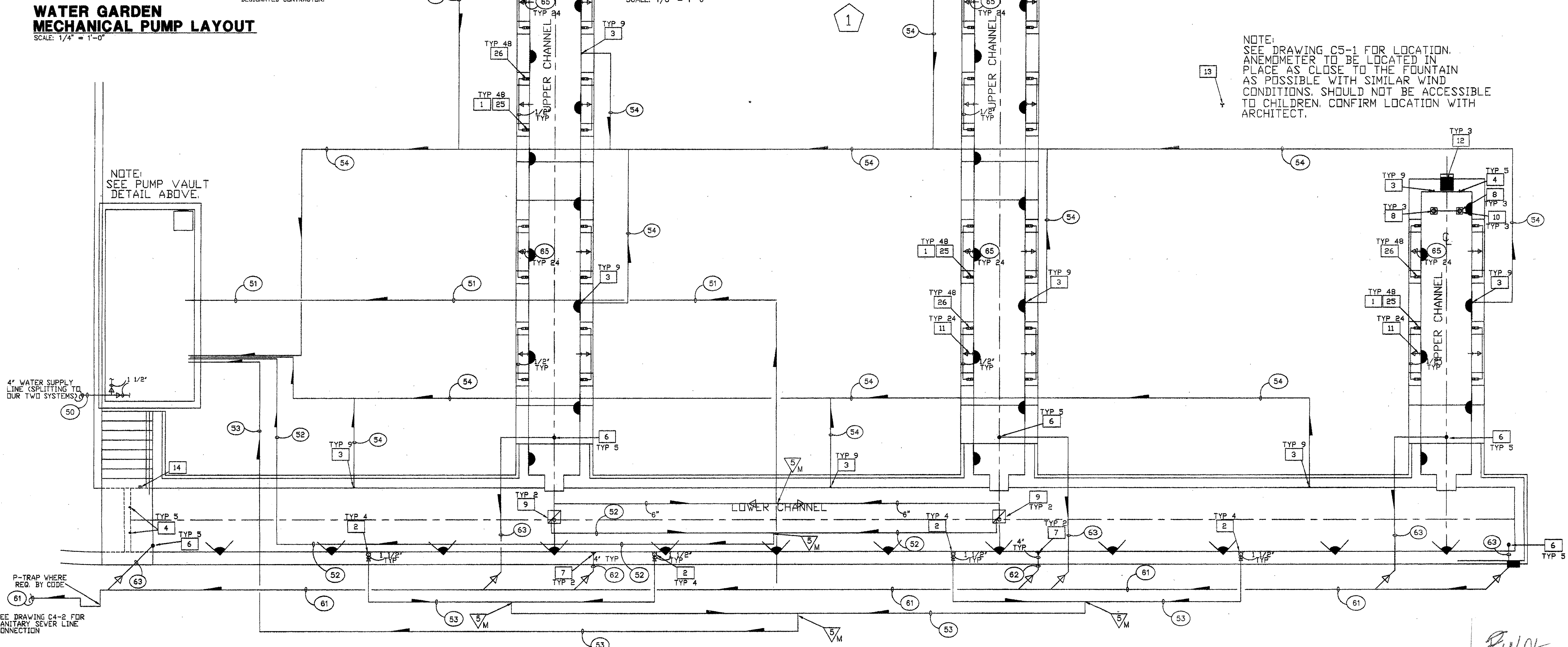
NOTE: SEE ELECTRICAL DRAWINGS FOR POWER, VAULT LIGHTING, SUMP PUMP AND VENTILATION INFORMATION.

NOTE: OUTLETS TO BE PROVIDED NEAR PH/DRP SYSTEM AND SUMP PUMP.



**WATER GARDEN MECHANICAL PUMP LAYOUT**  
 SCALE: 1/4" = 1'-0"

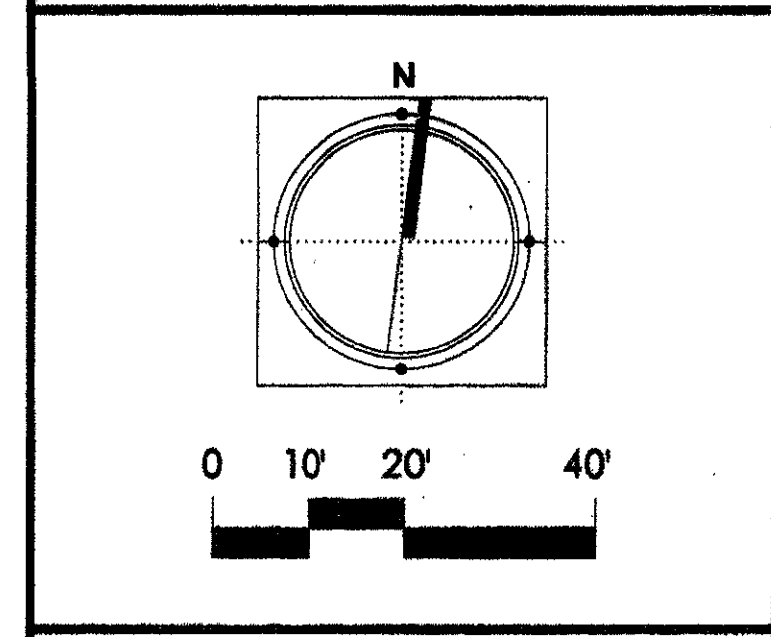
**SUCTION & DRAIN PLAN VIEW**  
 SCALE: 1/8" = 1'-0"



*FINAL REVIEW*

ISSUED FOR CONSTRUCTION	09-30-02	
No.	Description	Date

DWG ISSUE & REVISION HISTORY	
Stamp	



Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

Drawing Title:  
**WATER GARDEN SUCTION & DRAIN PLAN**

Project No. 14516.00 Scale: AS NOTED  
 Drawn By:  
 Checked By:  
 Approved By:  
 Date: September 30, 2002

Drawing No. **F1-2**

ADDISON CIRCLE ARTS (D)  
 WATER GARDEN  
 EQUIPMENT LIST

QTY	DESCRIPTION	QTY
1	A-F1-4 GEFCO SELECT #E105-05 STREAM JET: 3/8" ORF. SIZE, 1/2" FEMALE NPT. CONN., 10' ADJ.	48
2	B-F1-4 GEFCO #E100-1 SURFACE SKIMMER: 1-1/2" NPT., FEMALE CONNECTION.	4
3	D-F1-4 GEFCO #E101 VACUUM FITTING: 2" N.P.S. FEMALE CONNECTION.	9
4	Q-F1-4 GEFCO #E102 EYEBALL FITTING: 1" ORIFICE SIZE, 2" N.P.S. FEMALE CONNECTION.	5
5	X	-
6	X	-
7	F-F1-4 GEFCO SELECT #E104-4 MAIN POOL DRAIN: 4" FEMALE NPT. CONNECTION.	5
8	G-F1-4 GEFCO #E105-4 WALL NICHIE ADJUSTABLE OVERFLOW: 4" MALE CONNECTION.	2
9	H-F1-4 GEFCO #E107 SUMP FOR BALLAST POOLS: 2" NPT. FEM. BOTTOM AND SIDE CONNECTIONS.	3
10	J-F1-4 GEFCO #E108-4-28 SLAB: 6" AND 2" BOTTOM CONNECTION, 24" X 24" STAINLESS STEEL, ANTI-VORTEX PLATE.	2
11	K-F1-4 GEFCO #E109-12" SQ. ANTI-VORTEX PLATE: 12" X 12" STAINLESS STEEL, ANTI-VORTEX PLATE.	3
12	L-F1-4 GEFCO #E109-20 SLAB PENETRATION: 3/4" DIA. X 18" LONG COPR. TUBE W/ BRS. WATERSTOP FLANGE.	24
13	M-F1-4 GEFCO #E114A ANEMOMETER: 3/4" FEMALE NPT. CONNECTION. (SEE CS-1 FOR LOCATION)	3
14	N-F1-4 GEFCO SELECT #E1318 DUAL WATER LEVEL SENSOR: 3/4" NPT. BTM. CONNECTION.	1
15	X	-
16	X	-
17	X	-
18	X	-
19	X	-
20	X	-
21	X	-
22	X	-
23	X	-
24	X	-
25	X	-
26	X	-
27	X	-
28	A-F1-4 GEFCO CUSTOM STREAM JET SLEEVE CON: 1/2" NPT. FEM. BOTTOM CONN., 3/4" NPT. FEM. BOTTOM DRAIN CONN.	48
29	X	-
30	E-F1-4 GEFCO SELECT #E136-4 DECK BOX: (4) 3/4" NPT. 5/7" CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.	6
31	E-F1-4 GEFCO SELECT #E136-3 DECK BOX: (3) 3/4" NPT. 5/7" CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.	3
32	E-F1-4 GEFCO SELECT #E136-2 DECK BOX: (2) 3/4" NPT. 5/7" CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.	6
33	X	-
34	E-F1-4 GEFCO SELECT #E137-4 JUNCTION BOX CORD SEALS: 1/2" CONDUIT X 3/4" BOX ENTRY CONN., U.L. LISTED.	45
35	X	-
36	X	-
37	X	-
38	X	-

PIPING

50	1 1/2" INCOMING SUPPLY WATER LINE (50 PSI MAXIMUM)	1
51	6" DISPLAY PUMP SUCTION	1
52	2" FILTER PUMP SUCTION	1
53	2" FILTER PUMP SUCTION FROM SURFACE SKIMMERS	1
54	2" FILTER PUMP SUCTION FROM VACUUM FITTINGS	2
55	3" DISCHARGE TO STREAM JETS	2
56	2" DISCHARGE TO STREAM JETS	1
57	2" DISCHARGE TO STAINLESS STEEL TROUGH (BY OTHERS)	3
58	3" BALLAST DISCHARGE TO SUMPS	1
59	2" BALLAST DISCHARGE TO SUMP	1
60	2" FILL/FILTER RETURN TO EYEBALL FITTINGS	4
61	6" MAIN DRAIN LINE TO STORM (SEE DRAWING 04-2)	1
62	4" OVERFLOW DRAIN LINE TO MAIN DRAIN LINE	2
63	4" POOL DRAIN LINE TO MAIN DRAIN LINE	5
64	X	-
65	3/4" DRAIN LINE FROM STAINLESS STEEL JET CAN TO POOL	24

CONDUITS

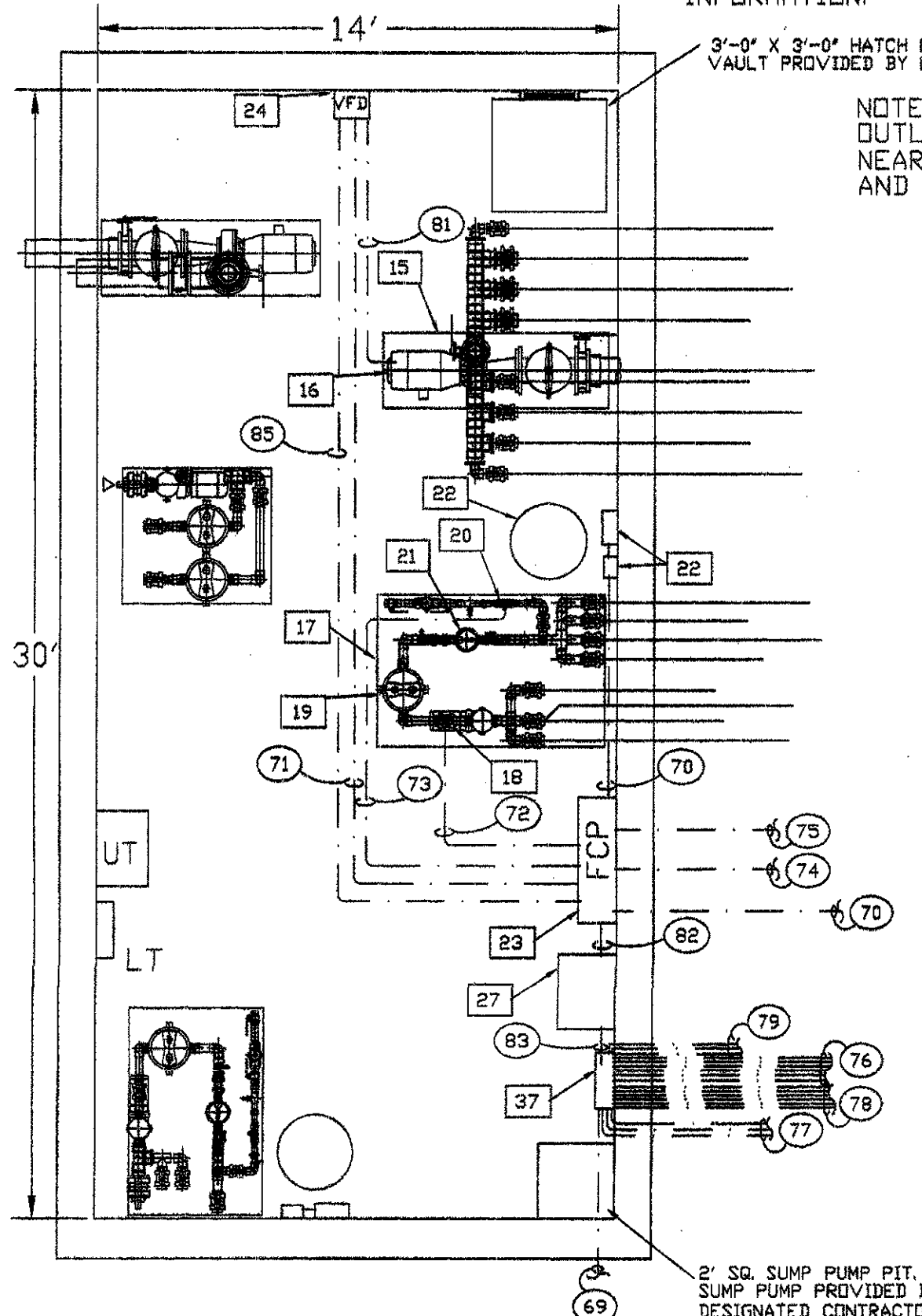
70	2 1/2" INCOMING POWER 120/208V 3Ø 225A (4#/0+1#0)	1
71	1" CONDUIT FROM CONTROL PANEL TO VFD FOR 15HP DISPLAY PUMP (3Ø#1+1#0) (VA VFD)	1
72	1/2" CONDUIT FROM CONTROL PANEL TO 3HP FILTER PUMP (3Ø#1+1#0)	1
73	1/2" CONDUIT FROM CONTROL PANEL TO FILL VALVE (2Ø#1+1#140)	1
74	1/2" CONDUIT FROM CONTROL PANEL TO WATER LEVEL SENSOR (Ø#18+1#180)	1
75	1/2" CONDUIT FROM CONTROL PANEL TO ANEMOMETER (1 PAIR Ø#18 CABLE)	1
76	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHTS 4 X 75W 120V) (2Ø#10+1#100)	6
77	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHTS 2 X 75W 120V) (2Ø#10+1#100)	3
78	3/4" CONDUIT FROM CONTROL PANEL TO DECK BOX (LIGHTS 2 X 300W 120V) (2Ø#12+1#120)	8
79	3/4" CONDUIT FROM CONTROL PANEL TO PH/ORP LIGHTS BY CONTRACTOR (2 X 300W) (2Ø#12+1#120)	3
80	1/2" CONDUIT FROM CONTROL PANEL TO PH/ORP EROSION CONTROLLER (2Ø#14+1#140)	1
81	1" CONDUIT FROM VFD TO 15 HP PUMP (3Ø#5+1#80)	1
82	1" CONDUIT FROM CONTROL PANEL TO 5 KVA TRANSFORMER (1Ø/3Ø VAC) (3Ø#4+1#60)	1
83	2" CONDUIT FROM 5 KVA TRANSFORMER TO LIGHTING PANEL (3Ø#4/0+1#0)	1
84	3/4" CONDUIT FROM LIGHT FIXTURE TO DECK BOX (LIGHT CABLE)	45
85	1/2" CONDUIT FROM CONTROL PANEL TO VFD (Ø#18+1#180)	1

NOTE: PROPER VENTILATION AND DRAINAGE MUST BE PROVIDED IN PUMP ROOM PER CODE.

NOTE: SEE ELECTRICAL DRAWINGS FOR POWER, VAULT LIGHTING, SUMP PUMP AND VENTILATION INFORMATION.

NOTE: 3'-0" X 3'-0" HATCH FOR VAULT PROVIDED BY OTHERS.

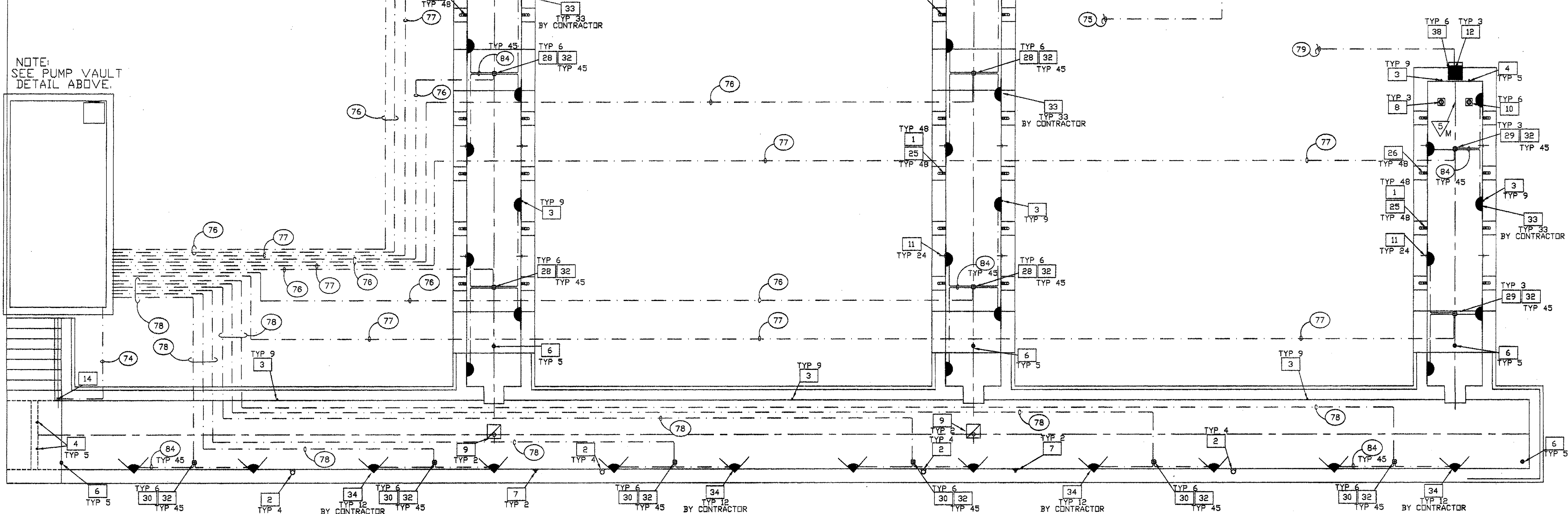
NOTE: OUTLETS TO BE PROVIDED NEAR PH/ORP SYSTEM AND SUMP PUMP.



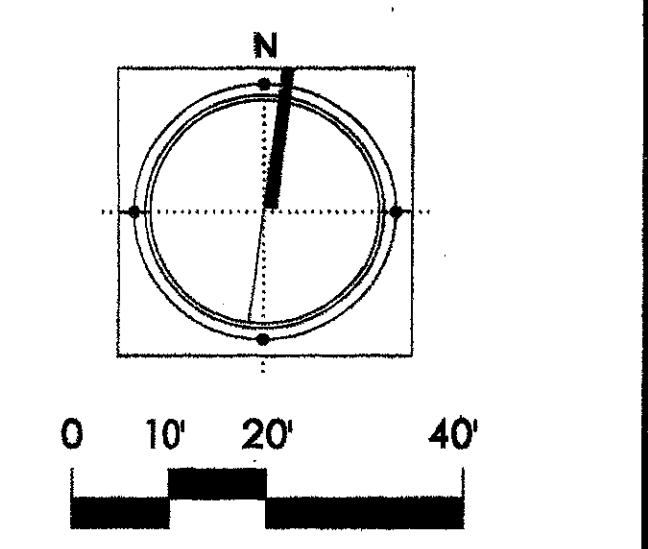
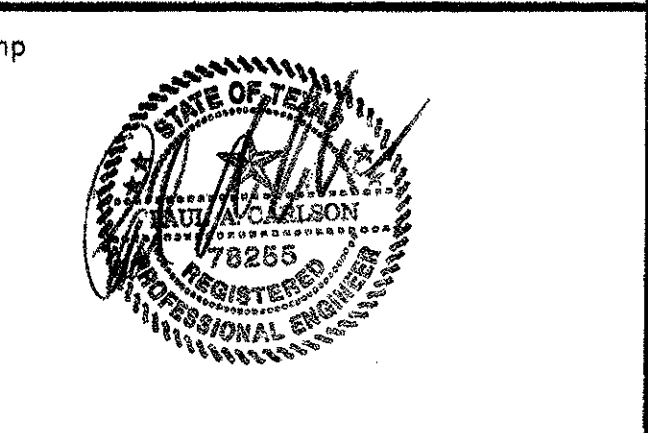
**WATER GARDEN MECHANICAL PUMP LAYOUT**  
 SCALE: 1/4" = 1'-0"

**ELECTRICAL PLAN VIEW**  
 SCALE: 1/8" = 1'-0"

NOTE: SEE PUMP VAULT DETAIL ABOVE.



No.	Description	Date
	ISSUED FOR CONSTRUCTION	09-30-02

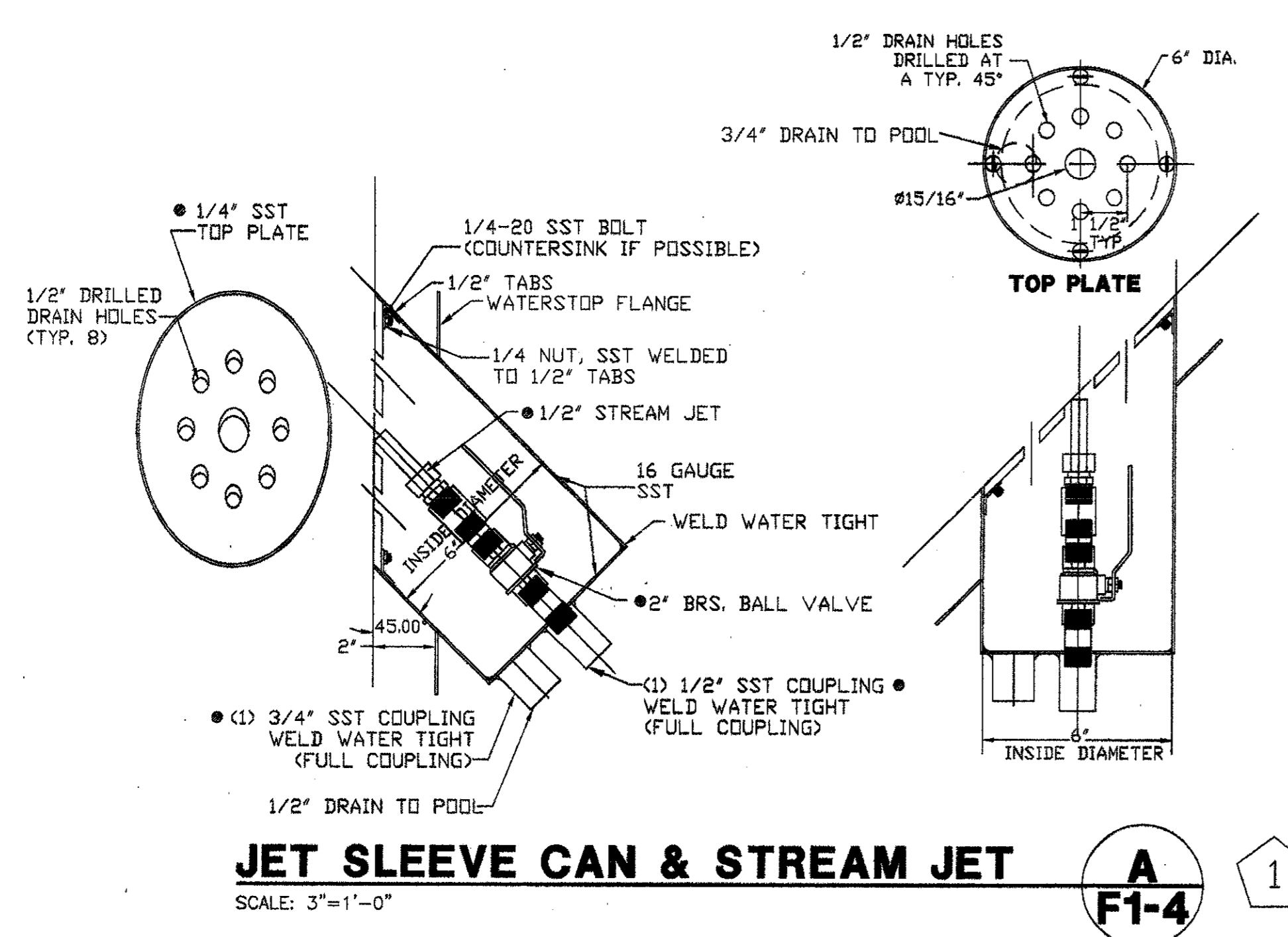


Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

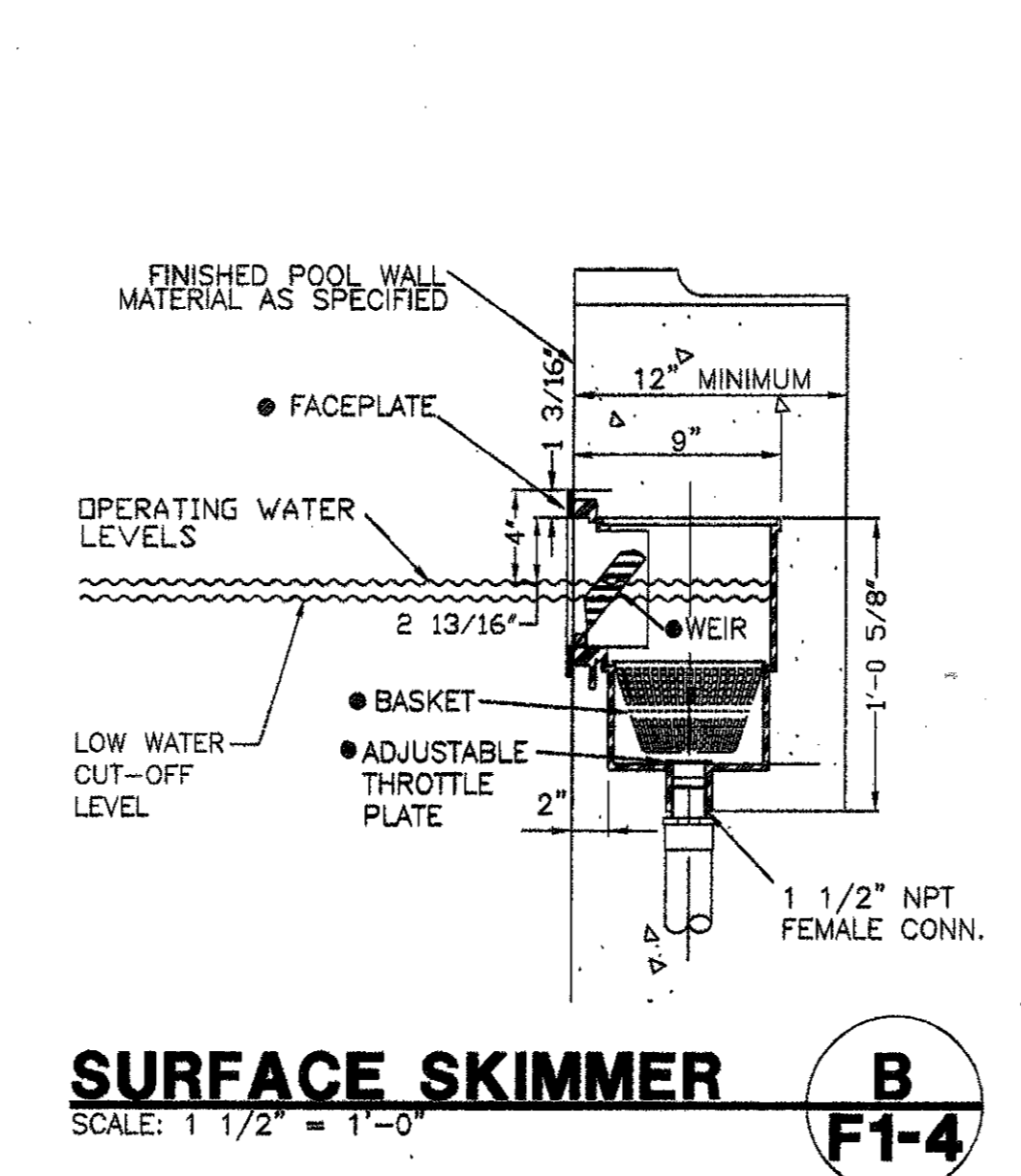
Drawing Title:  
**WATER GARDEN ELECTRICAL PLAN**

Project No. 14516.00 Scale: AS NOTED  
 Drawn By:  
 Checked By:  
 Approved By:  
 Date: September 30, 2002

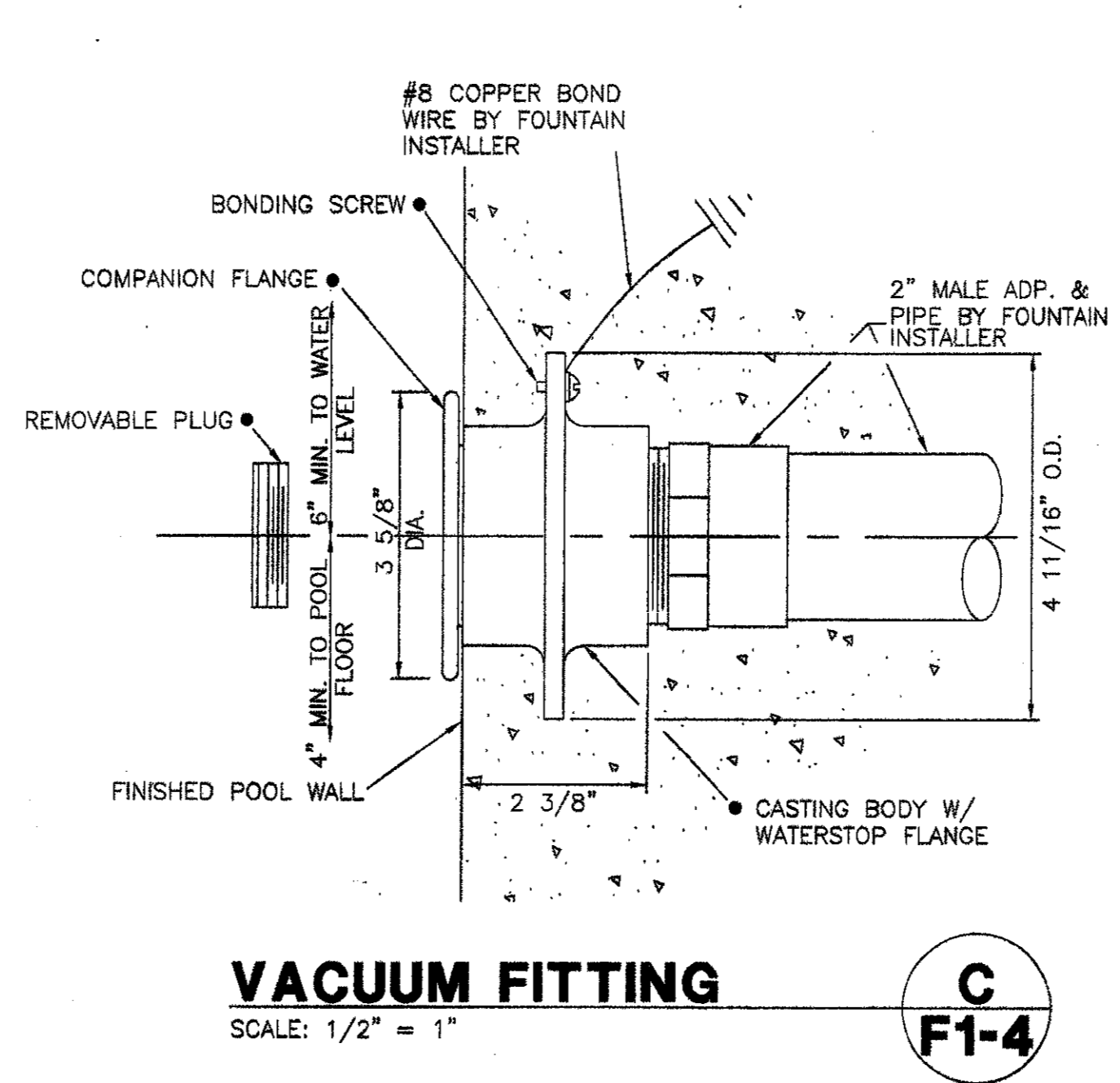
Drawing No. **F1-3**



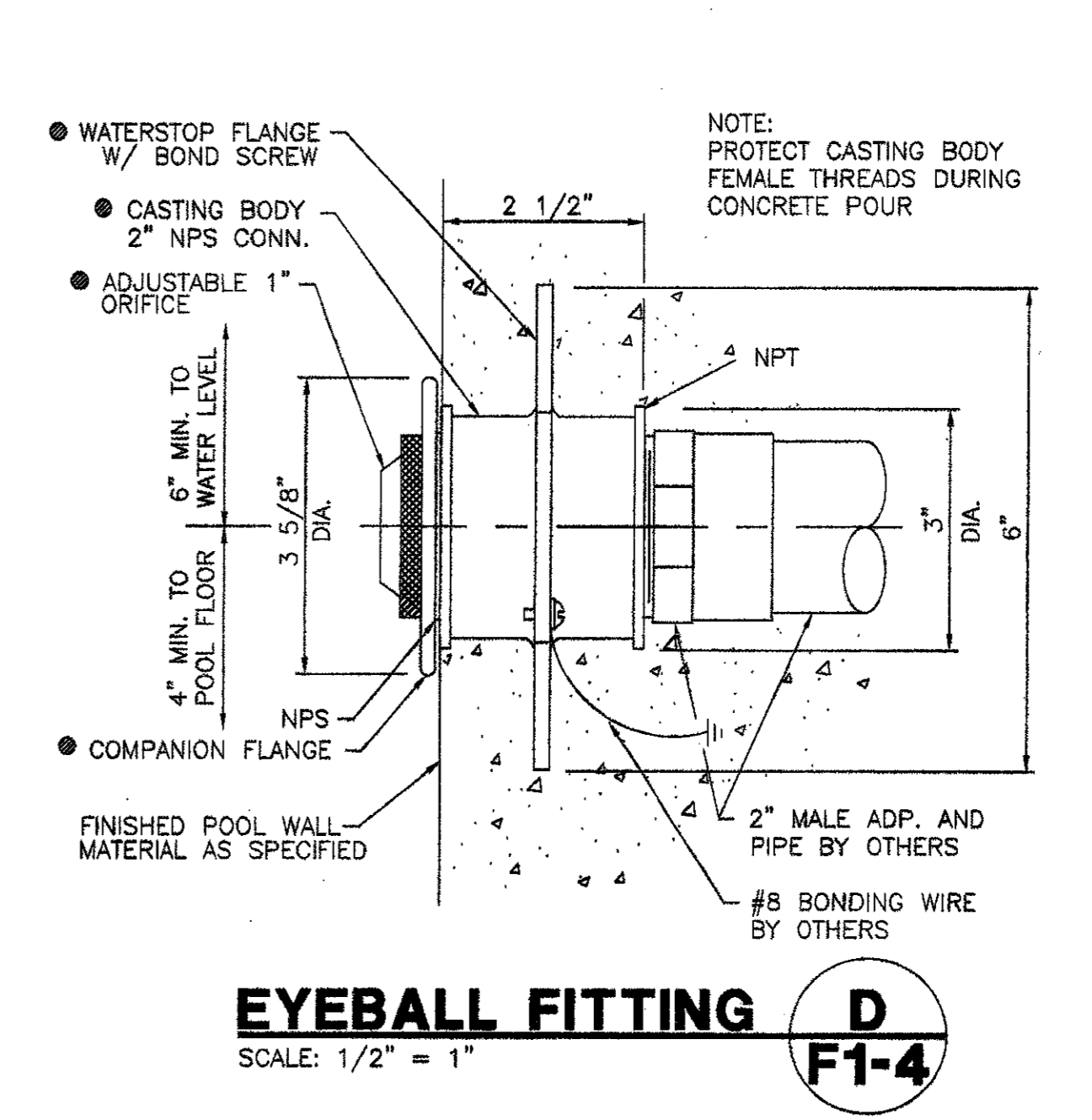
**JET SLEEVE CAN & STREAM JET**  
 SCALE: 3\"/>



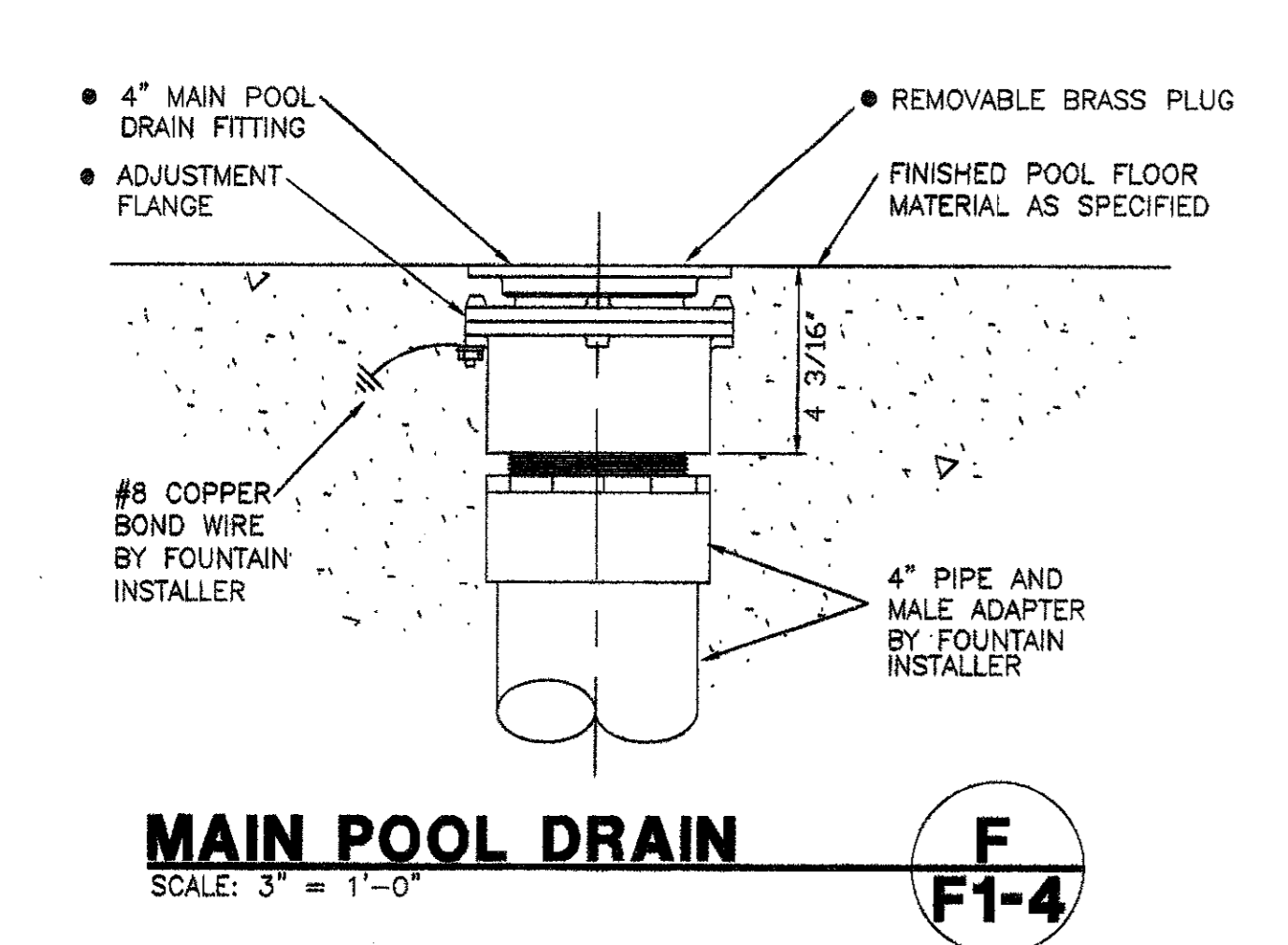
**SURFACE SKIMMER**  
 SCALE: 1 1/2\"/>



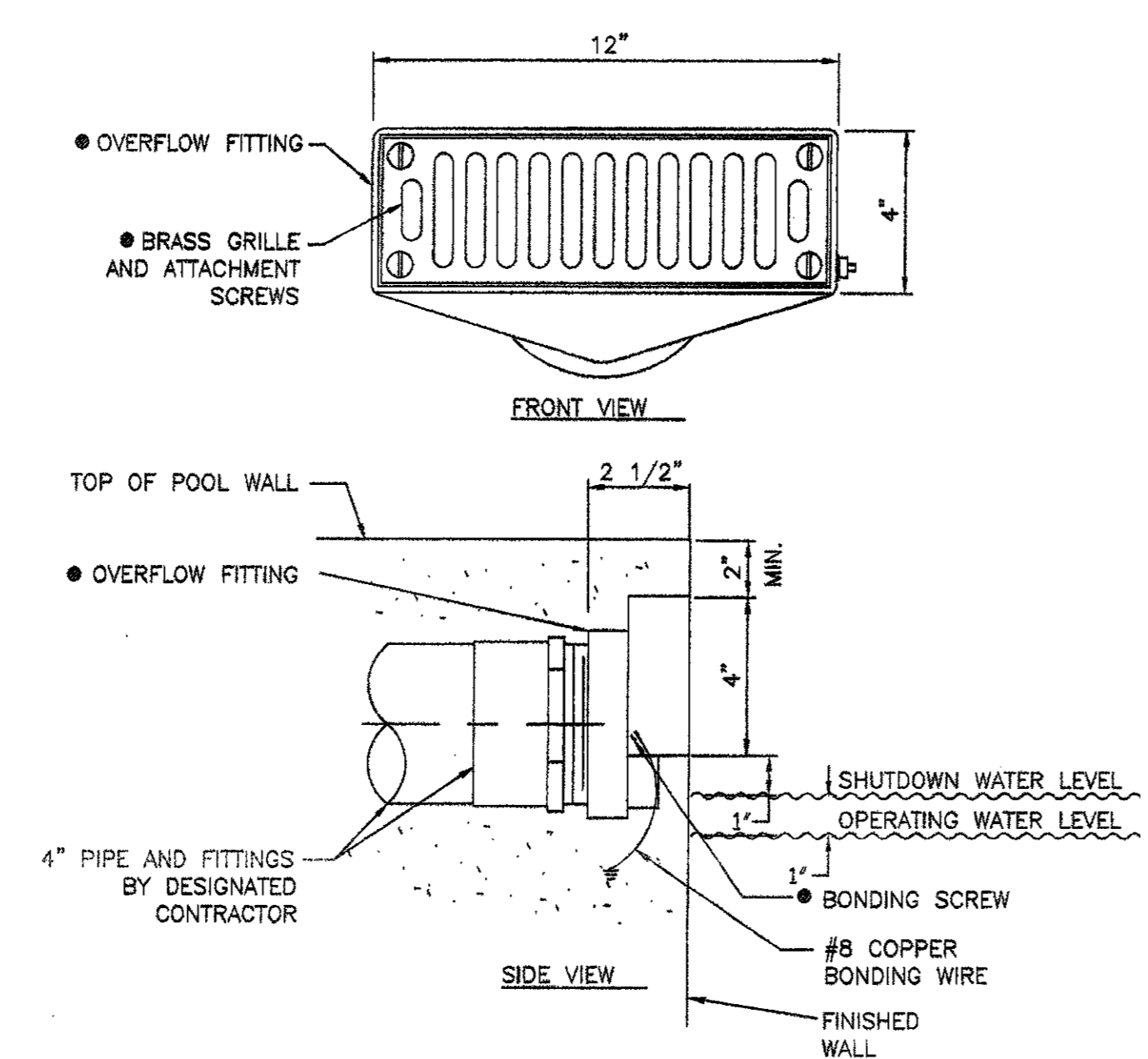
**VACUUM FITTING**  
 SCALE: 1/2\"/>



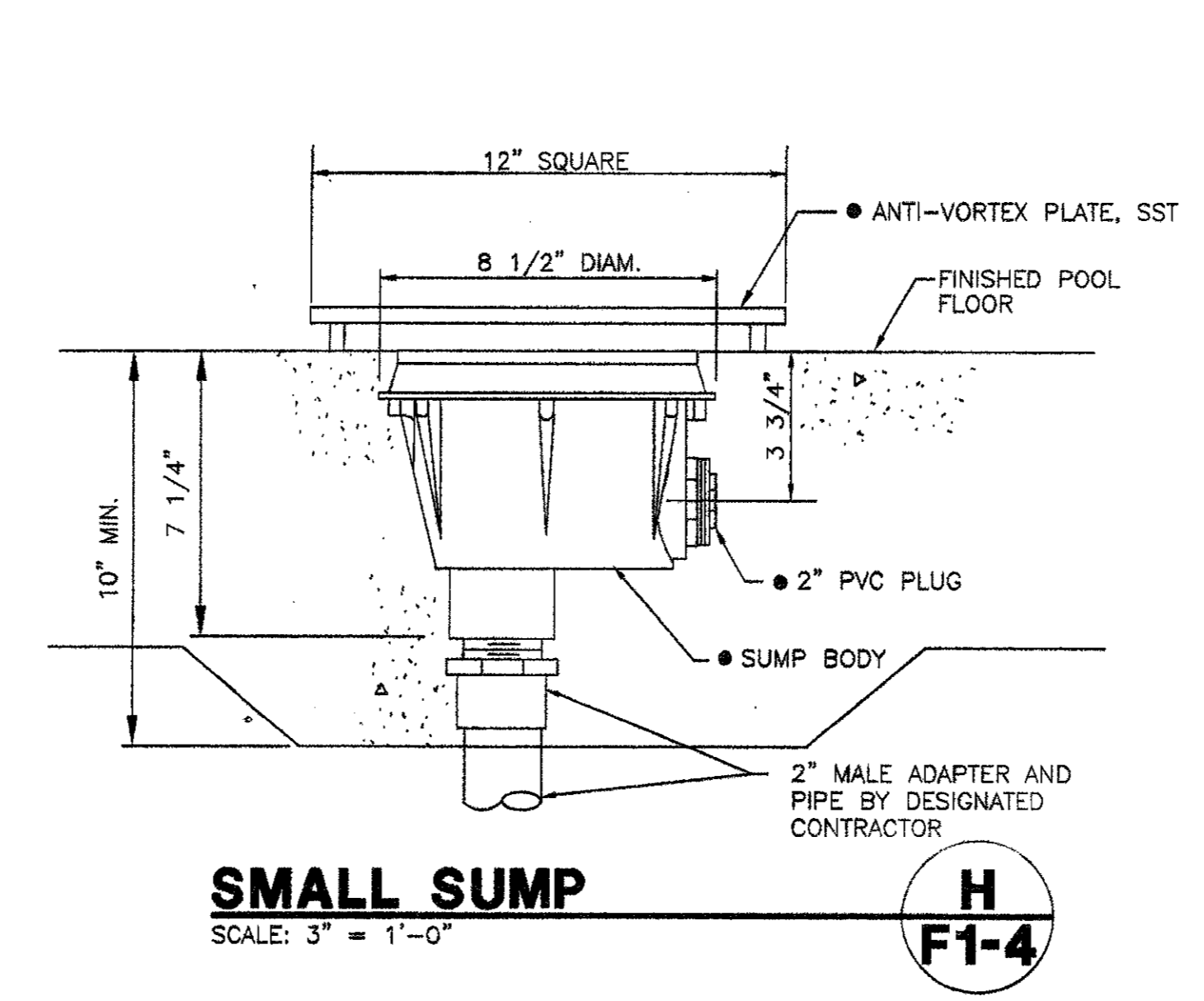
**EYEBALL FITTING**  
 SCALE: 1/2\"/>



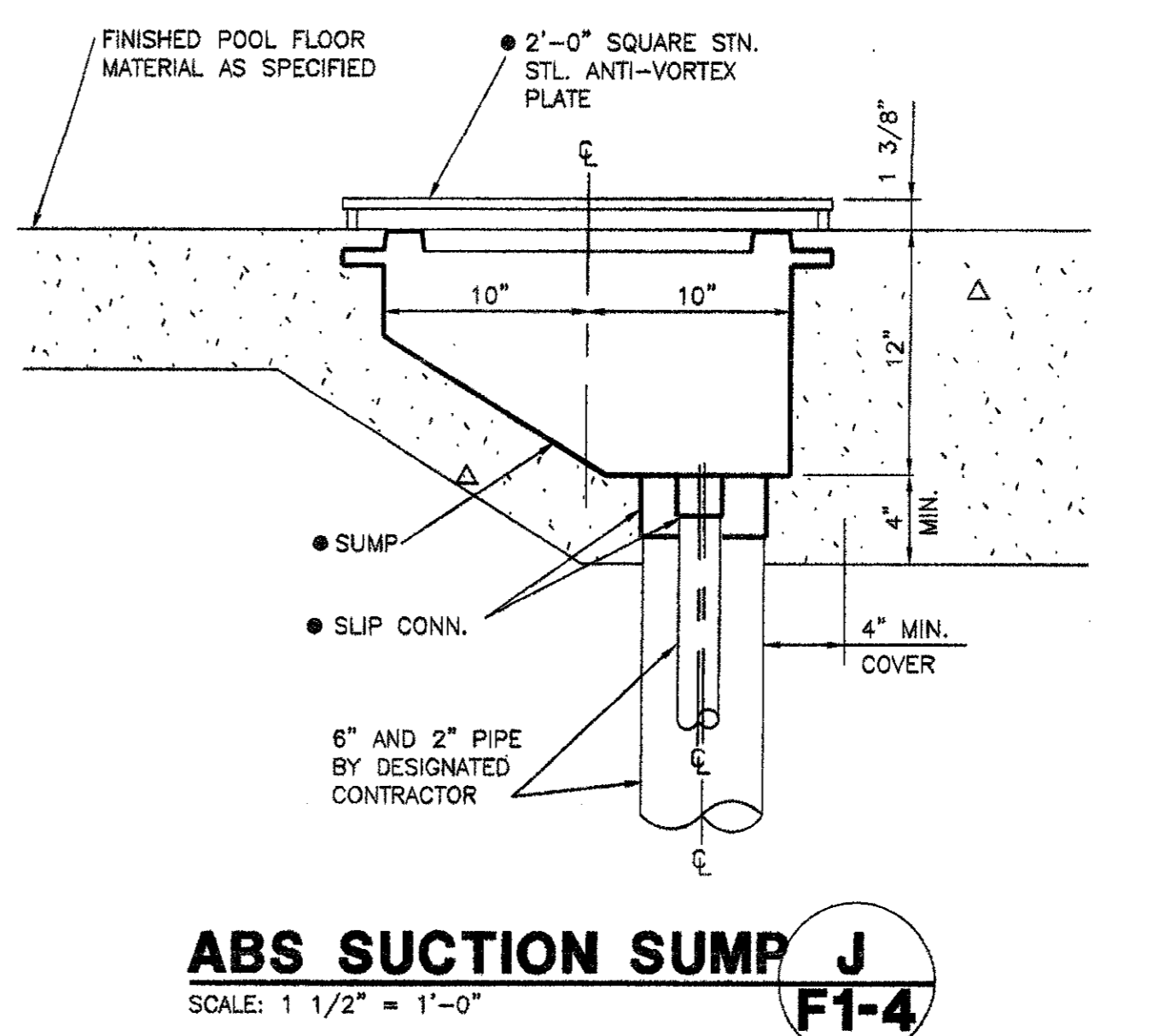
**MAIN POOL DRAIN**  
 SCALE: 3\"/>



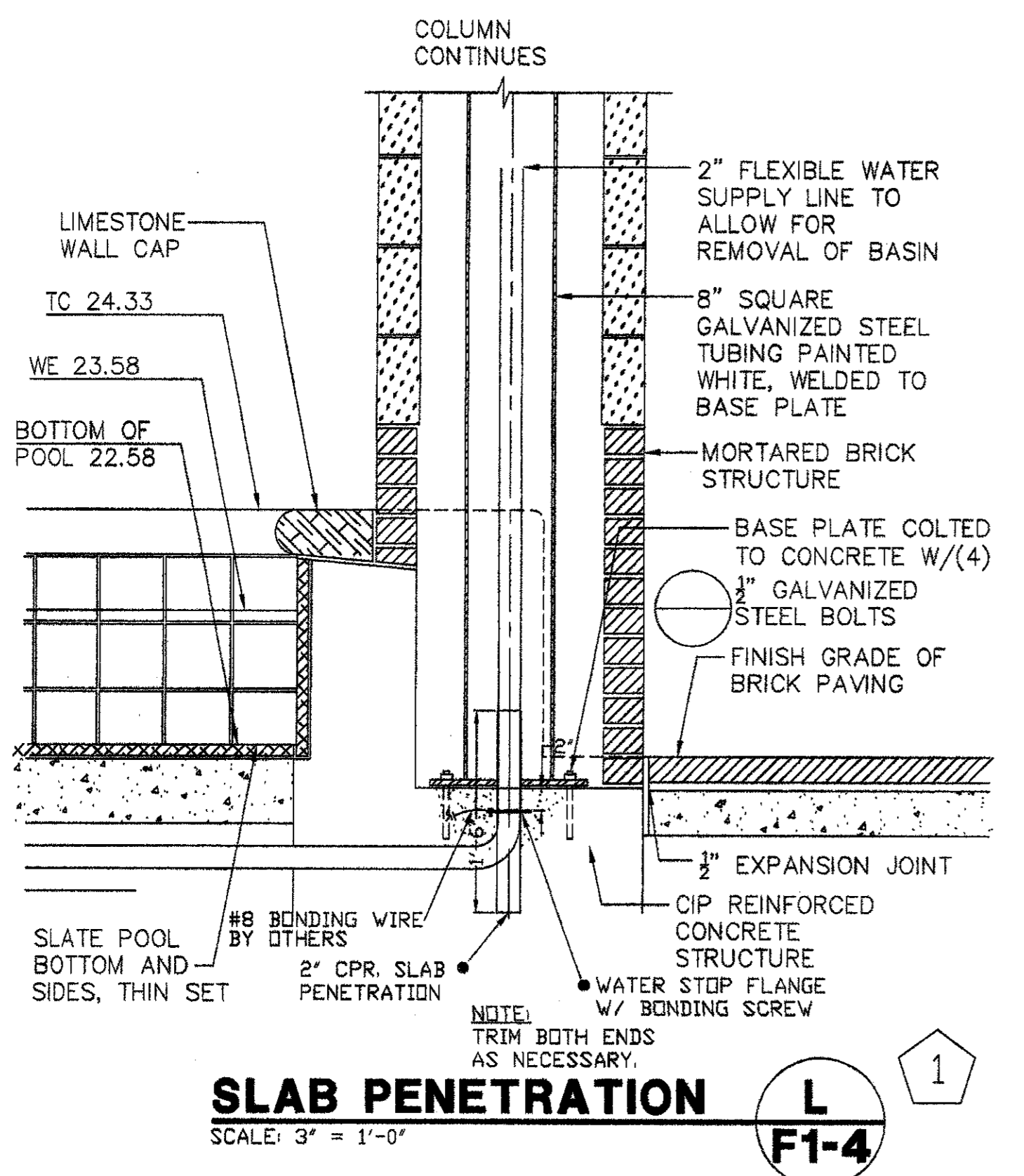
**4\"/>
 SCALE: 3\"/>**



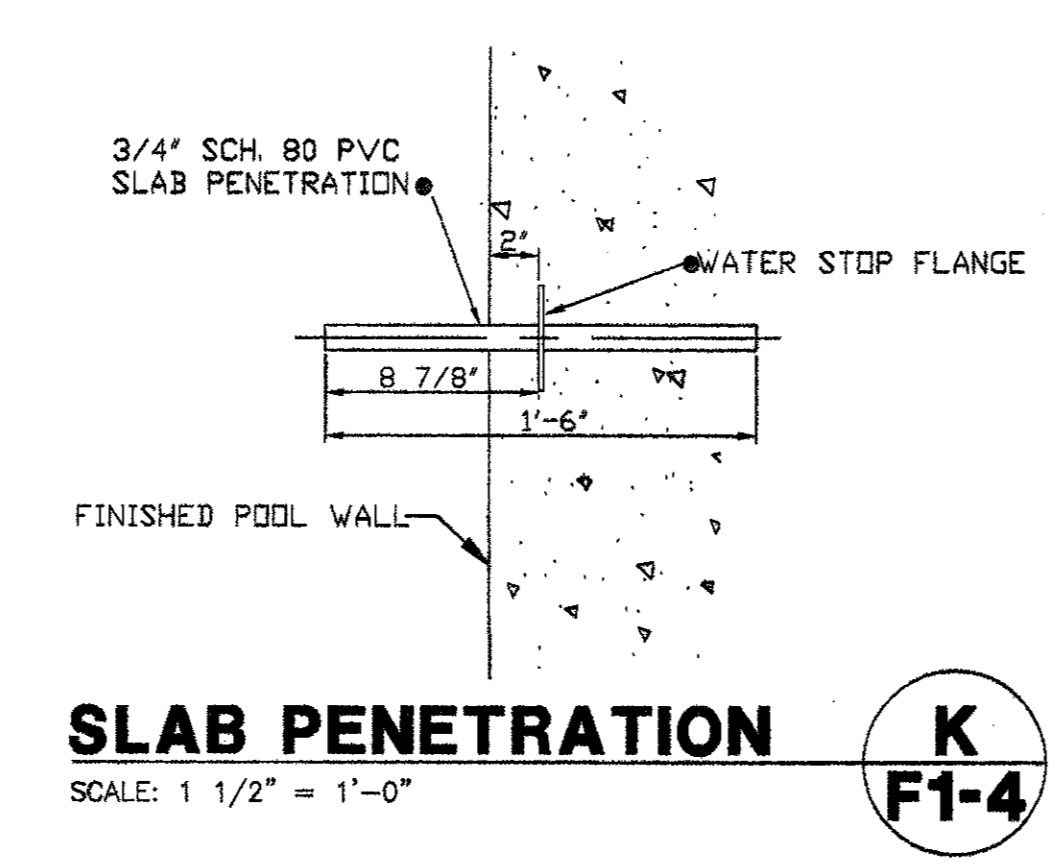
**SMALL SUMP**  
 SCALE: 3\"/>



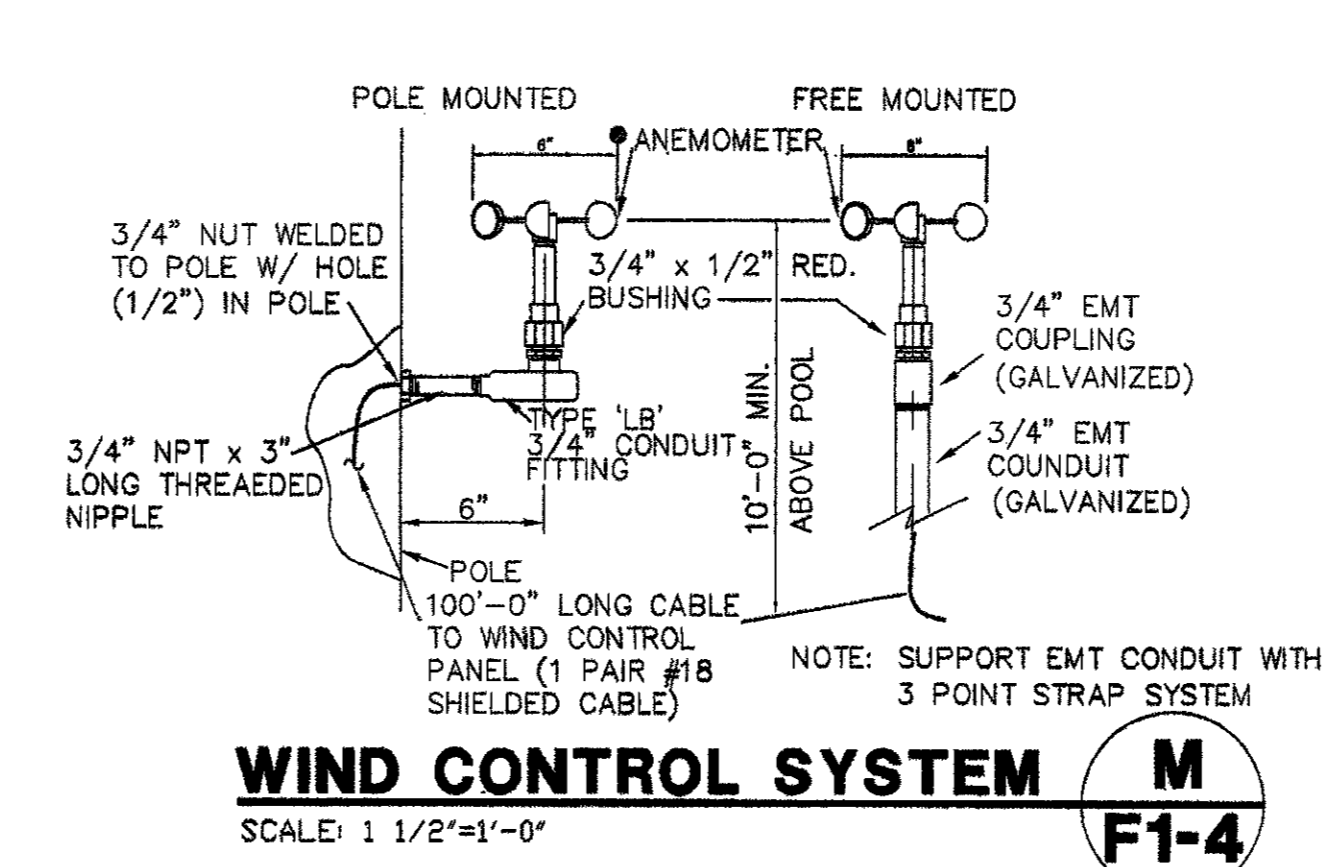
**ABS SUCTION SUMP**  
 SCALE: 1 1/2\"/>



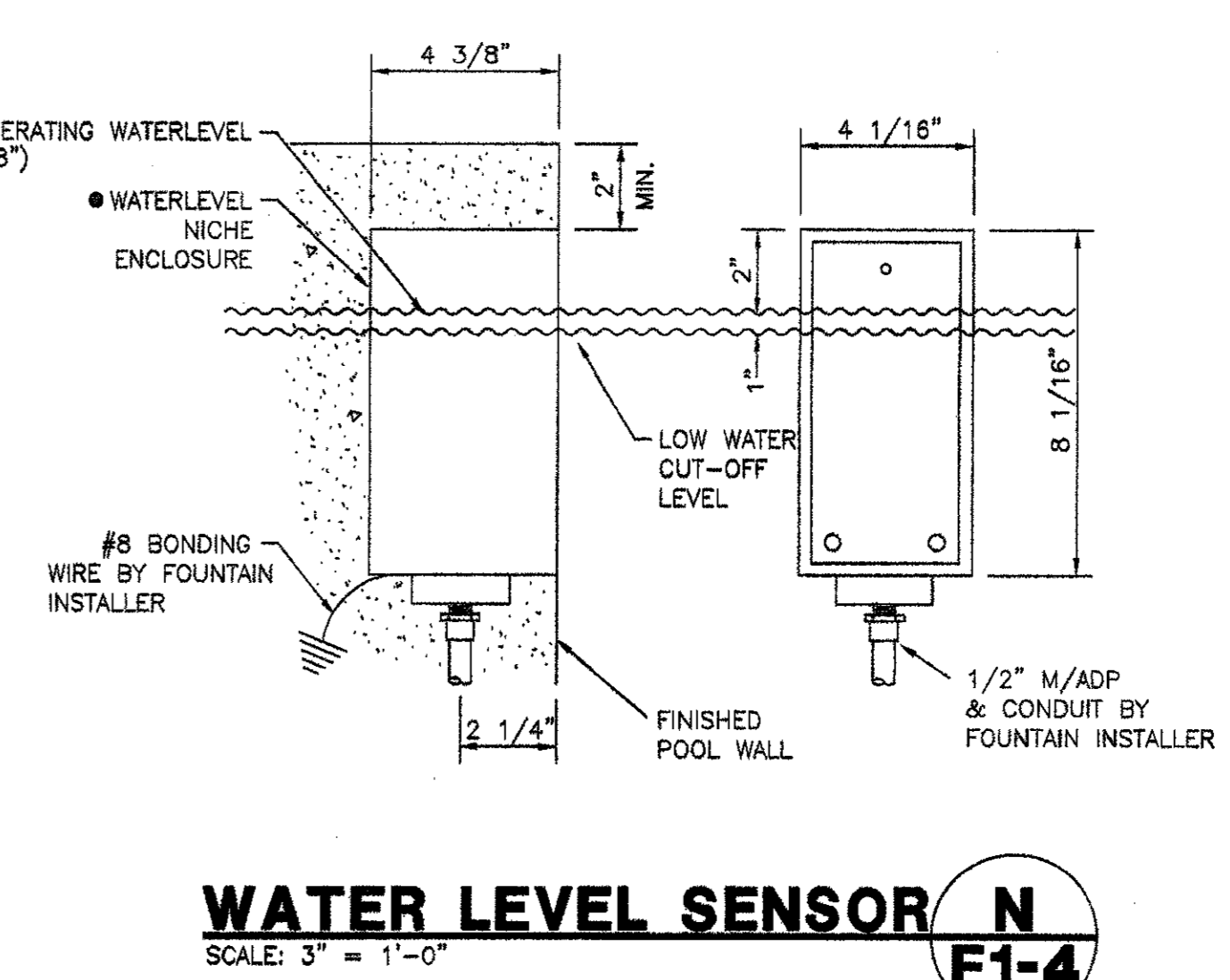
**SLAB PENETRATION**  
 SCALE: 3\"/>



**SLAB PENETRATION**  
 SCALE: 1 1/2\"/>



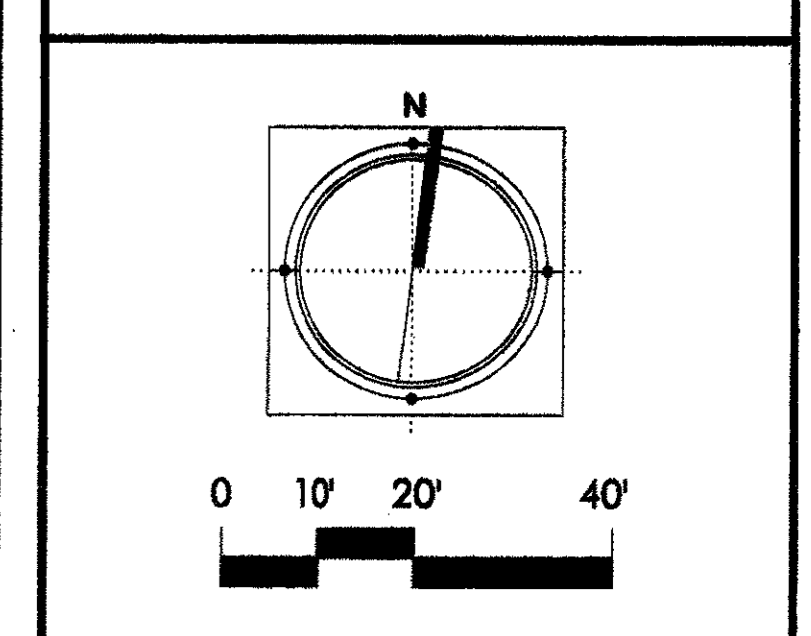
**WIND CONTROL SYSTEM**  
 SCALE: 1 1/2\"/>



**WATER LEVEL SENSOR**  
 SCALE: 3\"/>

ISSUED FOR CONSTRUCTION	09-30-02	
No.	Description	Date

DWG ISSUE & REVISION HISTORY	
Stamp	



Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

Drawing Title:  
**WATER GARDEN FOUNTAIN DETAILS**

Project No. 14516.00 Scale: AS NOTED  
 Drawn By:  
 Checked By:  
 Approved By:  
 Date: September 30, 2002

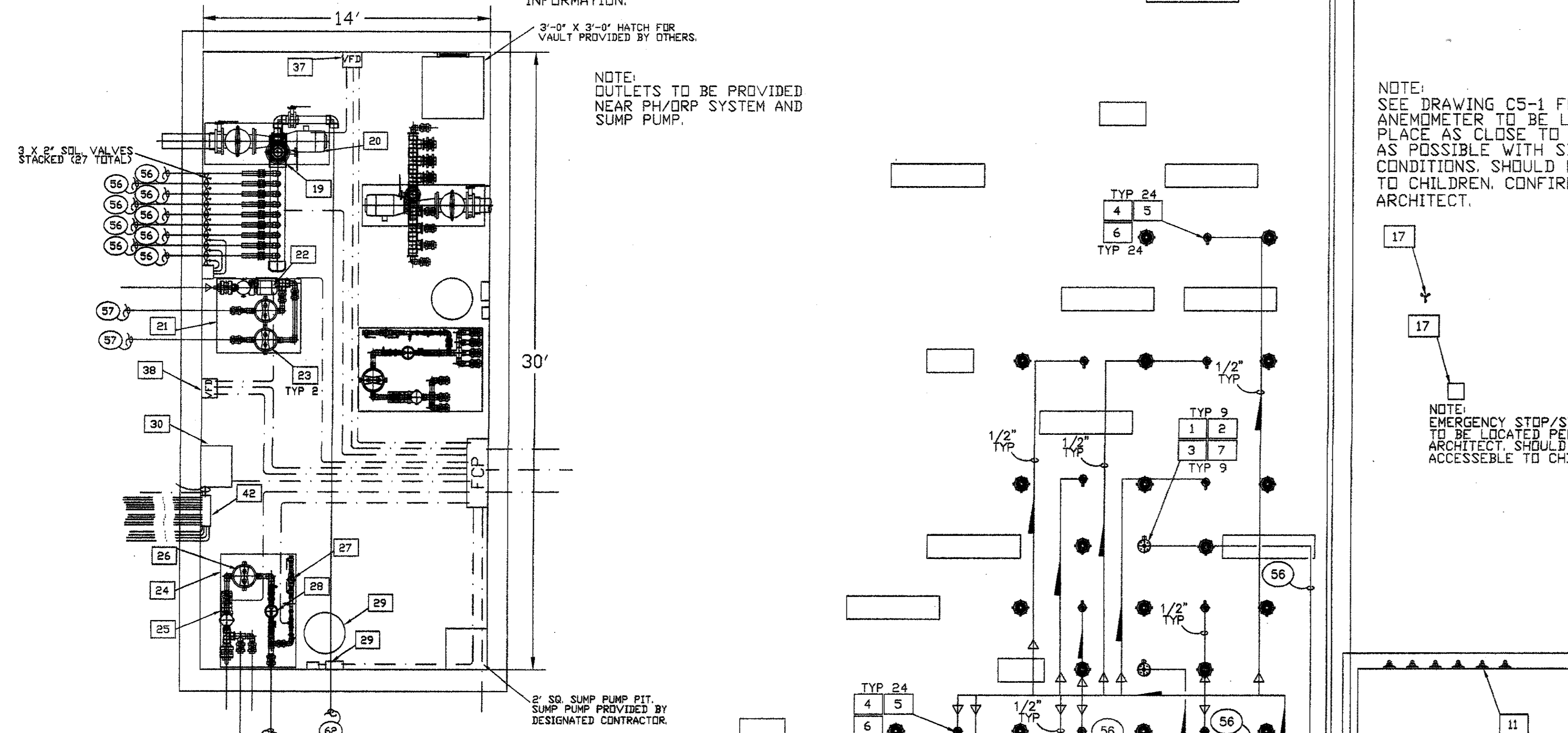
Drawing No. **F1-4**

NOTE:  
 PROPER VENTILATION AND  
 DRAINAGE MUST BE PROVIDED  
 IN PUMP ROOM PER CODE.

NOTE:  
 SEE ELECTRICAL DRAWINGS  
 FOR POWER, VAULT LIGHTING,  
 SUMP PUMP AND VENTILATING  
 INFORMATION.

NOTE:  
 3'-0" X 3'-0" MATCH FOR  
 VAULT PROVIDED BY OTHERS.

NOTE:  
 OUTLETS TO BE PROVIDED  
 NEAR PH/DRP SYSTEM AND  
 SUMP PUMP.



**PLAZA INTERACTIVE  
 MECHANICAL PUMP LAYOUT**  
 SCALE: 1/4" = 1'-0"

NOTE:  
 SEE DRAWING CS-1 FOR LOCATION.  
 ANEMOMETER TO BE LOCATED IN  
 PLACE AS CLOSE TO THE FOUNTAIN  
 AS POSSIBLE WITH SIMILAR WIND  
 CONDITIONS. SHOULD NOT BE ACCESSIBLE  
 TO CHILDREN. CONFIRM LOCATION WITH  
 ARCHITECT.

NOTE:  
 EMERGENCY STOP/START  
 TO BE LOCATED PER  
 ARCHITECT. SHOULD NOT BE  
 ACCESSIBLE TO CHILDREN.

NOTE:  
 2' X 2' X 2' DEEP  
 SUMP PIT BY OTHERS.  
 COVERED WITH SLOTTED  
 STONE OR SST. GRATE  
 BY OTHERS.  
 TYP 3

**DISCHARGE, FILL & FILTER RETURN PLAN VIEW**  
 SCALE: 3/16" = 1'-0"

**ADDISON CIRCLE ARTS (D)  
 PLAZA INTERACTIVE MIST AND JET WATER FEATURE  
 EQUIPMENT LIST**

SYM	DETAIL	ITEM DESCRIPTION	QTY
1	A-F2-5	GEFCO SELECT #E112-20 INDEPENDENT AERATING JET: 3/16" NOZZLE SIZE, 2" FEMALE NPT. CONNECTION.	9
2	A-F2-5	GEFCO CUSTOM FLOW STRAIGHTNER.	9
3	A-F2-5	GEFCO CUSTOM AERATION JET SLEEVE CAN: 2" NPT. FEMALE BOTTOM CONN., 2" NPT. FEMALE SIDE CONN.	9
4	B-F2-5	GEFCO SELECT #E1/2"-0-30W MISTING JET: 1/2" MALE NPT. CONNECTION.	24
5	B-F2-5	GEFCO CUSTOM FLOW STRAIGHTNER.	24
6	B-F2-5	GEFCO CUSTOM MISTING JET SLEEVE CAN: 1/2" NPT. FEMALE BOTTOM CONN., 1" NPT. FEMALE SIDE CONN.	24
7	A-F2-5	GEFCO SELECT #E137-20 ADJUSTMENT FLANGE: 2" MALE AND FEMALE NPT. CONN., 5" ADJ.	9
8	C-F2-5	GEFCO #E100-1 SURFACE SKIMMER: 1-1/2" N.P.T. FEMALE CONNECTION.	1
9	D-F2-5	GEFCO #E101 VACUUM FITTING: 2" N.P.S. FEMALE CONNECTION.	1
10	E-F2-5	GEFCO #E102 EYEBALL FITTING: 1" ORIFICE SIZE, 2" N.P.S. FEMALE CONNECTION.	2
11	F-F2-5	GEFCO #E105-4 WALL NICHE AIR VENTS: 4" FEMALE NPT. CONNECTION.	8
12	G-F2-5	GEFCO #E104-4 MAIN POOL DRAIN: 4" FEMALE NPT. CONNECTION.	1
13	H-F2-5	GEFCO #E109-40P SLAB PENETRATION: 4" DIA. X 18" LONG SCH. 80 PVC. PIPE W/ PVC WATERSTOP FLANGE.	8
14	H-F2-5	GEFCO #E109-60P SLAB PENETRATION: 6" DIA. X 24" LONG SCH. 80 PVC. PIPE W/ PVC WATERSTOP FLANGE.	2
15	H-F2-5	GEFCO #E109-20P SLAB PENETRATION: 2" DIA. X 18" LONG SCH. 80 PVC. PIPE W/ PVC WATERSTOP FLANGE.	2
16	X	GEFCO #E111 MAINTENANCE KIT.	1
17	J-F2-5	GEFCO #E114A ANEMOMETER: 3/4" FEMALE NPT. CONNECTION.	1
18	K-F2-5	GEFCO SELECT #E131B DUAL WATER LEVEL SENSOR: 3/4" NPT. BTM. CONNECTION.	1
19	X	GEFCO #SK115 PUMPING SKID: 2'-0" X 6'-0" PAD, FACTORY TESTED AND PREASSEMBLED.	1
20	X	GEFCO SELECT #PM212-15 DISPLAY PUMP: 15 HP, 654 GPM AT 70 FH, 208 V, 3ø, 1750 RPM, 60 HZ.	1
21	X	GEFCO #SK103-200 PUMPING SKID: 4'-0" X 6'-0" PAD, FACTORY TESTED AND PREASSEMBLED.	1
22	X	GEFCO SELECT #F113 FILTER PUMP: 3 HP, 120 GPM AT 55 FH, 208V, 3ø, 3450 RPM, 60HZ.	1
23	X	GEFCO SELECT #PM800-1000 CARTRIDGE FILTER ASSEMBLY: 100 SQ. FT. FILTER W/ 100 SQ. FT. REPLACEMENT FILTER.	2
24	X	GEFCO #SK103-150 PUMPING SKID: 4'-0" X 6'-0" PAD, FACTORY TESTED AND PREASSEMBLED.	1
25	X	GEFCO SELECT #F112 FILTER PUMP: 3 HP, 100 GPM AT 55 FH, 208V, 3ø, 3450 RPM, 60HZ.	1
26	X	GEFCO SELECT #PM800-1500 CARTRIDGE FILTER ASSEMBLY: 150 SQ. FT. FILTER W/ 150 SQ. FT. REPLACEMENT FILTER.	1
27	X	GEFCO #PM800-15 WATER CONTROL MANIFOLD: AUTOMATIC FILL/LEVEL CONTROL MANIFOLD.	1
28	X	GEFCO SELECT #PM1725 BROMINATOR WITH FLOW INDICATOR: 1-1/2" NPT. CONNECTION.	1
29	X	GEFCO SELECT #PH1750PH/CRP EROSION CONTROLLER.	1
30	X	GEFCO SELECT LIGHTING TRANSFORMER: 5 KVA, 120 PRIM., 16/32 SEC.	1
31	L-F2-5	GEFCO SELECT EE138-4 DECK BOX: (4) 3/4" NPT, S/T CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.	6
32	L-F2-5	GEFCO SELECT EE138-3 DECK BOX: (3) 3/4" NPT, S/T CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.	6
33	L-F2-5	GEFCO SELECT EE138-2 DECK BOX: (2) 3/4" NPT, S/T CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.	4
34	L-F2-5	GEFCO SELECT EE137-4 JUNCTION BOX CORD SEALS: 5 KVA, 120 PRIM., 16/32 SEC.	47
35	X	PLAZA NICHE LIGHTS BY DESIGNATED CONTRACTOR	48
36	X		
37	X	ABB #ACS401-800-30/2 VARIABLE FREQUENCY DRIVE: 208V, 3ø, FOR 15 HP PUMP.	1
38	X	ABB #ACS401-800-30/2 VARIABLE FREQUENCY DRIVE: 208V, 3ø, FOR 3 HP PUMP.	1
39	F-F2-5	GEFCO #E105-4 WALL NICHE OVERFLOW: 4" FEMALE NPT. CONNECTION.	1
40	L-F2-5	GEFCO SELECT EE138-1 DECK BOX: (1) 3/4" NPT, S/T CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.	1
41	X	LOWER POOL LIGHT BY DESIGNATED CONTRACTOR	1
42	X	GEFCO SELECT LIGHTING PANEL: 225 MAIN BUS-BREAKER, 12 SPACE, 240/120V, 2POLE.	1
43	X	GEFCO SELECT E/STOP START/STOP PUSH BUTTON STATION.	1

**PIPING**

50	1 1/2" INCOMING SUPPLY WATER LINE (50 PSR MAXIMUM)	1
51	8" DISPLAY PUMP SUCTION FROM SUMPS	1
52	3" "A" SERIES FILTER PUMP SUCTION FROM SUMPS	1
53	4" "C" SERIES FILTER PUMP SUCTION FROM SUMP	1
54	2" FILTER PUMP SUCTION FROM SURFACE SKIMMER	1
55	2" FILTER PUMP SUCTION FROM VACUUM FITTING	1
56	2" DISCHARGE TO AERATION JETS	9
57	2" FILTER RETURN TO MIST JETS	2
58	2" FILL/FILTER RETURN TO EYEBALL FITTINGS	1
59	4" DRAIN LINE TO COLLECTING POOL	6
60	4" DRAIN LINE (SEE 04-2)	6
61	4" VENT LINE	6
62	4" DUMP LINE TO STORM DRAIN	1
63	4" OVERFLOW DRAIN LINE TO 4" MAIN DRAIN LINE	1

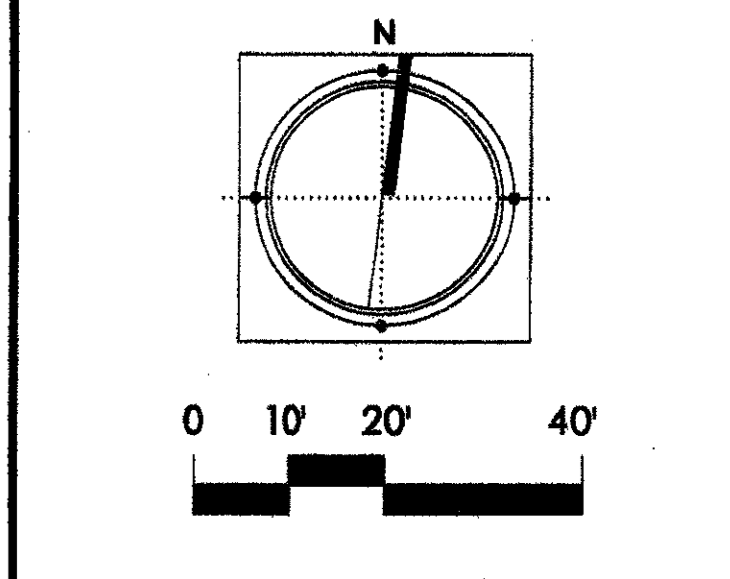
**CONDUITS**

70	2 1/2" INCOMING POWER 120/208V 3ø 225A (4ø/0+1ø30)	1
71	1" CONDUIT FROM CONTROL PANEL TO VFD FOR 15HP DISPLAY PUMP (3ø+1ø60) (VA VFD)	1
72	3/4" CONDUIT FROM CONTROL PANEL TO VFD FOR 3HP L SERIES FILTER PUMP (3ø+1ø60) (VA VFD)	1
73	1/2" CONDUIT FROM CONTROL PANEL TO 3HP A SERIES FILTER PUMP (3ø+1ø60)	1
74	1/2" CONDUIT FROM CONTROL PANEL TO FILL VALVE (2ø+1ø180)	1
75	3/4" CONDUIT FROM CONTROL PANEL TO WATER LEVEL SENSOR (ø+1ø+1ø180)	1
76	3/4" CONDUIT FROM CONTROL PANEL TO ANEMOMETER (1 PAIR #18 SHIELDED CABLE)	1
77	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHTS 4 X 75W) (4ø+1ø+1ø100)	5
78	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHTS 3 X 75W) (2ø+1ø+1ø100)	6
79	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHTS 2 X 75W) (2ø+1ø+1ø100)	4
80	1" CONDUIT FROM VFD TO 15HP DISPLAY PUMP (3ø+1ø60)	1
81	3/4" CONDUIT FROM VFD TO 3HP L SERIES FILTER PUMP (3ø+1ø+1ø60)	1
82	1/2" CONDUIT FROM CONTROL PANEL TO PH/CRP EROSION CONTROLLER (2ø+1ø+1ø140)	1
83	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHT BY OTHERS) (1 X 300W) (2ø+1ø+1ø100)	1
84	3/4" CONDUIT FROM LIGHT FIXTURE TO DECK BOX (LIGHT CABLE)	47
85	1/2" CONDUIT FROM CONTROL PANEL TO VFD (ø+1ø+1ø180)	2
86	3/4" CONDUIT FROM CONTROL PANEL TO E/STOP/START/STOP STATION (ø+1ø+1ø180)	1
87	1/2" CONDUIT FROM PULL BOXES TO CONTROL VALVES (2ø+1ø)	27
88	1" CONDUIT FROM CONTROL PANEL TO VALVE PULL BOXES (1ø+1ø+1ø180)	3
89	1/2" CONDUIT FROM VFD TO PRESSURE SENSOR ON 15HP PUMP MANIFOLD (1 PAIR #18 SHIELDED CABLE)	1
90	1" CONDUIT FROM CONTROL PANEL TO 5 KVA TRANSFORMER (3ø+1ø+1ø30)	1
91	2" CONDUIT FROM 5 KVA TRANSFORMER TO LIGHTING PANEL (3ø+1ø+1ø30)	1

NOTE:  
 CONTROL PANEL COMMON  
 TO EACH FOUNTAIN

ISSUED FOR CONSTRUCTION	09-30-02
No. Description	Date

**DWG ISSUE & REVISION HISTORY**



Project Title:  
**ADDISON ARTS &  
 EVENTS DISTRICT  
 ADDISON, TEXAS**

Drawing Title:  
**PLAZA FOUNTAIN  
 DISCHARGE, FILL  
 & FILTER PLAN**

Project No. 14516.00 Scale: AS NOTED  
 Drawn By:  
 Checked By:  
 Approved By:  
 Date: September 30, 2002

Drawing No.  
**F2-1**

NOTE:  
 PROPER VENTILATION AND  
 DRAINAGE MUST BE PROVIDED  
 IN PUMP ROOM PER CODE.

NOTE:  
 SEE ELECTRICAL DRAWINGS  
 FOR POWER, VAULT LIGHTING,  
 SUMP PUMP AND VENTILATION  
 INFORMATION.

NOTE:  
 OUTLETS TO BE PROVIDED  
 NEAR FH/DRP SYSTEM AND  
 SUMP PUMP.

NOTE:  
 SEE DRAWING CS-1 FOR LOCATION.  
 ANEMOMETER TO BE LOCATED IN  
 PLACE AS CLOSE TO THE FOUNTAIN  
 AS POSSIBLE WITH SIMILAR WIND  
 CONDITIONS. SHOULD NOT BE ACCESSIBLE  
 TO CHILDREN. CONFIRM LOCATION WITH  
 ARCHITECT.

NOTE:  
 EMERGENCY STOP/START  
 TO BE LOCATED PER  
 ARCHITECT. SHOULD NOT BE  
 ACCESSIBLE TO CHILDREN.

**PLAZA INTERACTIVE  
 MECHANICAL PUMP LAYOUT**  
 SCALE: 1/4" = 1'-0"

**DRAIN & AIR VENT PLAN VIEW**  
 SCALE: 3/16" = 1'-0"

**ADDISON CIRCLE ARTS (D)  
 PLAZA INTERACTIVE MIST AND JET WATER FEATURE  
 EQUIPMENT LIST**

SYM	DETAIL	ITEM DESCRIPTION	QTY
1	A-F2-5	GEFCO SELECT #SE112-20 INDEPENDENT AERATING JET: 3/16" NOZZLE SIZE, 2" FEMALE NPT. CONNECTION.	9
2	A-F2-5	GEFCO CUSTOM FLOW STRAIGHTNER.	9
3	A-F2-5	GEFCO CUSTOM AERATION JET SLEEVE CAN: 2" NPT, FEMALE BOTTOM CONN., 2" NPT, FEMALE SIDE CONN.	9
4	B-F2-5	GEFCO SELECT #SE1/2"-G-35W MISTING JET: 1/2" MALE NPT. CONNECTION.	24
5	B-F2-5	GEFCO CUSTOM FLOW STRAIGHTNER.	24
6	B-F2-5	GEFCO CUSTOM MISTING JET SLEEVE CAN: 1/2" NPT, FEMALE BOTTOM CONN., 1" NPT, FEMALE SIDE CONN.	24
7	A-F2-5	GEFCO SELECT #SE137-20 ADJUSTMENT FLANGE: 2" MALE AND FEMALE NPT. CONN., 5' ADJ.	9
8	D-F2-5	GEFCO #FE100-1 SURFACE SKIMMER: 1-1/2" N.P.T. FEMALE CONNECTION.	1
9	D-F2-5	GEFCO #FE101 VACUUM FITTING: 2" N.P.S. FEMALE CONNECTION.	1
10	E-F2-5	GEFCO #FE102 EYEBALL FITTING: 1" ORIFICE SIZE, 2" N.P.S. FEMALE CONNECTION.	2
11	F-F2-5	GEFCO #FE105-4 WALL NICHE AIR VENTS: 4" FEMALE NPT. CONNECTION.	6
12	G-F2-5	GEFCO #FE104-4 MAIN POOL DRAIN: 4" FEMALE NPT. CONNECTION.	1
13	H-F2-5	GEFCO #FE109-40P SLAB PENETRATION: 4" DIA. X 18" LONG SCH. 80 PVC. PIPE W/ PVC WATERSTOP FLANGE.	8
14	H-F2-5	GEFCO #FE109-80P SLAB PENETRATION: 8" DIA. X 24" LONG SCH. 80 PVC. PIPE W/ PVC WATERSTOP FLANGE.	2
15	H-F2-5	GEFCO #FE109-20P SLAB PENETRATION: 2" DIA. X 18" LONG SCH. 80 PVC. PIPE W/ PVC WATERSTOP FLANGE.	2
16	X	GEFCO #EE111 MAINTENANCE KIT.	1
17	J-F2-5	GEFCO #EE114A ANEMOMETER: 3/4" FEMALE NPT. CONNECTION.	1
18	K-F2-5	GEFCO SELECT #EE131B DUAL WATER LEVEL SENSOR: 3/4" NPT. BTH. CONNECTION.	1
19	X	GEFCO #SK115 PUMPING SKID: 2'-0" X 8'-0" PAD, FACTORY TESTED AND PREASSEMBLED.	1
20	X	GEFCO SELECT #M212-15 DISPLAY PUMP: 15 HP, 654 GPM AT 70 FH, 208 V, 3ø 1750 RPM, 60 HZ.	1
21	X	GEFCO #SK103-200 PUMPING SKID: 4'-0" X 8'-0" PAD, FACTORY TESTED AND PREASSEMBLED.	1
22	X	GEFCO SELECT #M113 FILTER PUMP: 3 HP, 120 GPM AT 55 FH, 208V, 3ø, 3450 RPM, 60HZ.	1
23	X	GEFCO SELECT #M900-1000 CARTRIDGE FILTER ASSEMBLY: 100 SQ. FT. FILTER W/ 100 SQ. FT. REPLACEMENT FILTER.	2
24	X	GEFCO #SK103-150 PUMPING SKID: 4'-0" X 8'-0" PAD, FACTORY TESTED AND PREASSEMBLED.	1
25	X	GEFCO SELECT #M112 FILTER PUMP: 3 HP, 100 GPM AT 55 FH, 208V, 3ø, 3450 RPM, 60HZ.	1
26	X	GEFCO SELECT #M900-1500 CARTRIDGE FILTER ASSEMBLY: 150 SQ. FT. FILTER W/ 150 SQ. FT. REPLACEMENT FILTER.	1
27	X	GEFCO #M800-15 WATER CONTROL MANFOLD: AUTOMATIC FILL/LEVEL CONTROL MANFOLD.	1
28	X	GEFCO SELECT #M1725 BROMINATOR WITH FLOW INDICATOR: 1-1/2" NPT. CONNECTION.	1
29	X	GEFCO SELECT #M1750PH/DRP EROSION CONTROLLER.	1
30	X	GEFCO SELECT LIGHTING TRANSFORMER: 5 KVA, 120 PRIM., 16/32 SEC.	1
31	L-F2-5	GEFCO SELECT EE138-4 DECK BOX: (4) 3/4" NPT, 5/7 CONNECTION, (1) NPT, SIDE CONDUIT CONNECTION.	5
32	L-F2-5	GEFCO SELECT EE138-3 DECK BOX: (3) 3/4" NPT, 5/7 CONNECTION, (1) NPT, SIDE CONDUIT CONNECTION.	6
33	L-F2-5	GEFCO SELECT EE138-2 DECK BOX: (2) 3/4" NPT, 5/7 CONNECTION, (1) NPT, SIDE CONDUIT CONNECTION.	4
34	L-F2-5	GEFCO SELECT EE137-4 JUNCTION BOX CORD SEALS: 5 KVA, 120 PRIM., 16/32 SEC.	47
35	X	PLAZA NICHE LIGHTS BY DESIGNATED CONTRACTOR.	46
36	X		-
37	X	ABB #ACS401-800-30/2 VARIABLE FREQUENCY DRIVE: 208V, 3ø, FOR 15 HP PUMP.	1
38	X	ABB #ACS401-800-30/2 VARIABLE FREQUENCY DRIVE: 208V, 3ø, FOR 3 HP PUMP.	1
39	F-F2-5	GEFCO #FE105-4 WALL NICHE OVERFLOW: 4" FEMALE NPT. CONNECTION.	1
40	L-F2-5	GEFCO SELECT EE138-1 DECK BOX: (1) 3/4" NPT, 5/7 CONNECTION, (1) NPT, SIDE CONDUIT CONNECTION.	1
41	X	LOWER POOL LIGHT BY DESIGNATED CONTRACTOR.	1
42	X	GEFCO SELECT LIGHTING PANEL: 225 MAIN BUSES-BREAKER, 12 SPACE, 240/120V, 2POLE.	1
43	X	GEFCO SELECT E/STOP, START/STOP PUSH BUTTON STATION.	1

SYM	DESCRIPTION	QTY
80	1 1/2" INCOMING SUPPLY WATER LINE (50 PSI MAXIMUM)	1
81	8" DISPLAY PUMP SUCTION FROM SUMPS	1
82	3" "A" SERIES FILTER PUMP SUCTION FROM SUMPS	1
83	4" "L" SERIES FILTER PUMP SUCTION FROM SUMP	1
84	2" FILTER PUMP SUCTION FROM SURFACE SKIMMER	1
85	2" FILTER PUMP SUCTION FROM VACUUM FITTING	1
86	2" DISCHARGE TO AERATION JETS	9
87	2" FILTER RETURN TO MIST JETS	2
88	2" FILL/FILTER RETURN TO EYEBALL FITTINGS	1
89	4" DRAIN LINE TO COLLECTING POOL	6
90	4" DRAIN LINE (SEE C4-2)	1
91	4" VENT LINE	6
92	4" DUMP LINE TO STORM DRAIN	1
93	4" OVERFLOW DRAIN LINE TO 4" MAIN DRAIN LINE	1

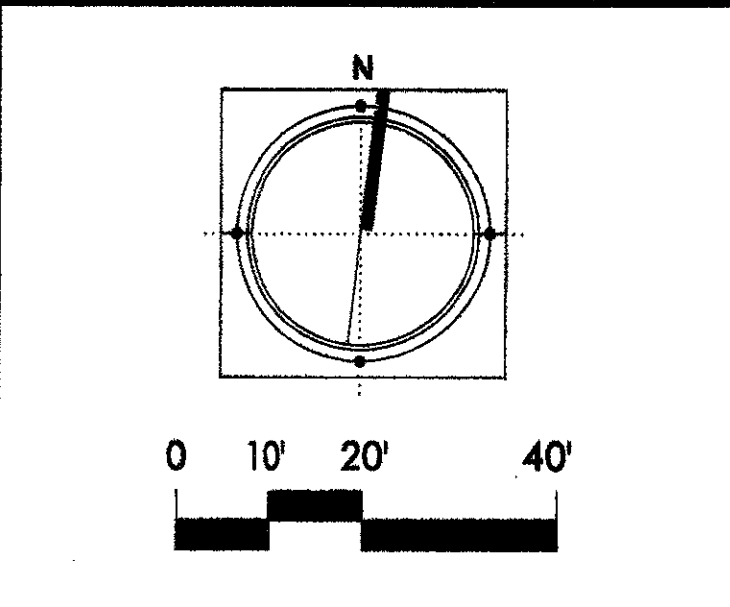
SYM	DESCRIPTION	QTY
70	2 1/2" INCOMING POWER 120/208V 3ø 225A (4ø/0+1ø/3ø)	1
71	1" CONDUIT FROM CONTROL PANEL TO VFD FOR 15HP DISPLAY PUMP (3ø/6+1ø/0) (VIA VFD)	1
72	3/4" CONDUIT FROM CONTROL PANEL TO VFD FOR 3HP L SERIES FILTER PUMP (3ø/12+1ø/0) (VIA VFD)	1
73	1/2" CONDUIT FROM CONTROL PANEL TO 3HP A SERIES FILTER PUMP (3ø/14+1ø/0)	1
74	1/2" CONDUIT FROM CONTROL PANEL TO FILL VALVE (2ø/18+1ø/180)	1
75	3/4" CONDUIT FROM CONTROL PANEL TO WATER LEVEL SENSOR (ø/18+1ø/180)	1
76	3/4" CONDUIT FROM CONTROL PANEL TO ANEMOMETER (1 PAIR #18 SHIELDED CABLE)	1
77	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHTS 4 X 75W) (4ø/10+1ø/100)	5
78	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHTS 3 X 75W) (2ø/10+1ø/100)	6
79	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHTS 2 X 75W) (2ø/10+1ø/100)	4
80	1" CONDUIT FROM VFD TO 15HP DISPLAY PUMP (3ø/6+1ø/0)	1
81	3/4" CONDUIT FROM VFD TO 3HP L SERIES FILTER PUMP (3ø/12+1ø/0)	1
82	1/2" CONDUIT FROM CONTROL PANEL TO PH/DRP EROSION CONTROLLER (2ø/14+1ø/140)	1
83	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHT BY OTHERS) (1 X 300W) (2ø/10+1ø/100)	1
84	3/4" CONDUIT FROM LIGHT FIXTURE TO DECK BOX (LIGHT CABLE)	47
85	1/2" CONDUIT FROM CONTROL PANEL TO VFD (ø/18+1ø/180)	1
86	3/4" CONDUIT FROM CONTROL PANEL TO E/STOP/START/STOP STATION (ø/18+1ø/180)	1
87	1/2" CONDUIT FROM PULL BOXES TO CONTROL VALVES (ø/18)	27
88	1" CONDUIT FROM CONTROL PANEL TO VALVE PULL BOXES (1ø/18+1ø/180)	1
89	1/2" CONDUIT FROM VFD TO PRESSURE SENSOR ON 15HP PUMP MANFOLD (1 PAIR #18 GAUGE SHIELDED CABLE)	1
90	1" CONDUIT FROM CONTROL PANEL TO 5 KVA TRANSFORMER (3ø/6+1ø/0)	1
91	2" CONDUIT FROM 5 KVA TRANSFORMER TO LIGHTING PANEL (3ø/6+1ø/3ø)	1

NOTE:  
 CONTROL PANEL COMMON  
 TO EACH FOUNTAIN

ISSUED FOR CONSTRUCTION 09-30-02

No. Description Date

DWG ISSUE & REVISION HISTORY



Project Title:  
**ADDISON ARTS &  
 EVENTS DISTRICT**  
 ADDISON, TEXAS

Drawing Title:  
**PLAZA FOUNTAIN  
 DRAINAGE & AIR VENT  
 PLAN**

Project No. 14516.00 Scale: AS NOTED  
 Drawn By:  
 Checked By:  
 Approved By:  
 Date: September 30, 2002

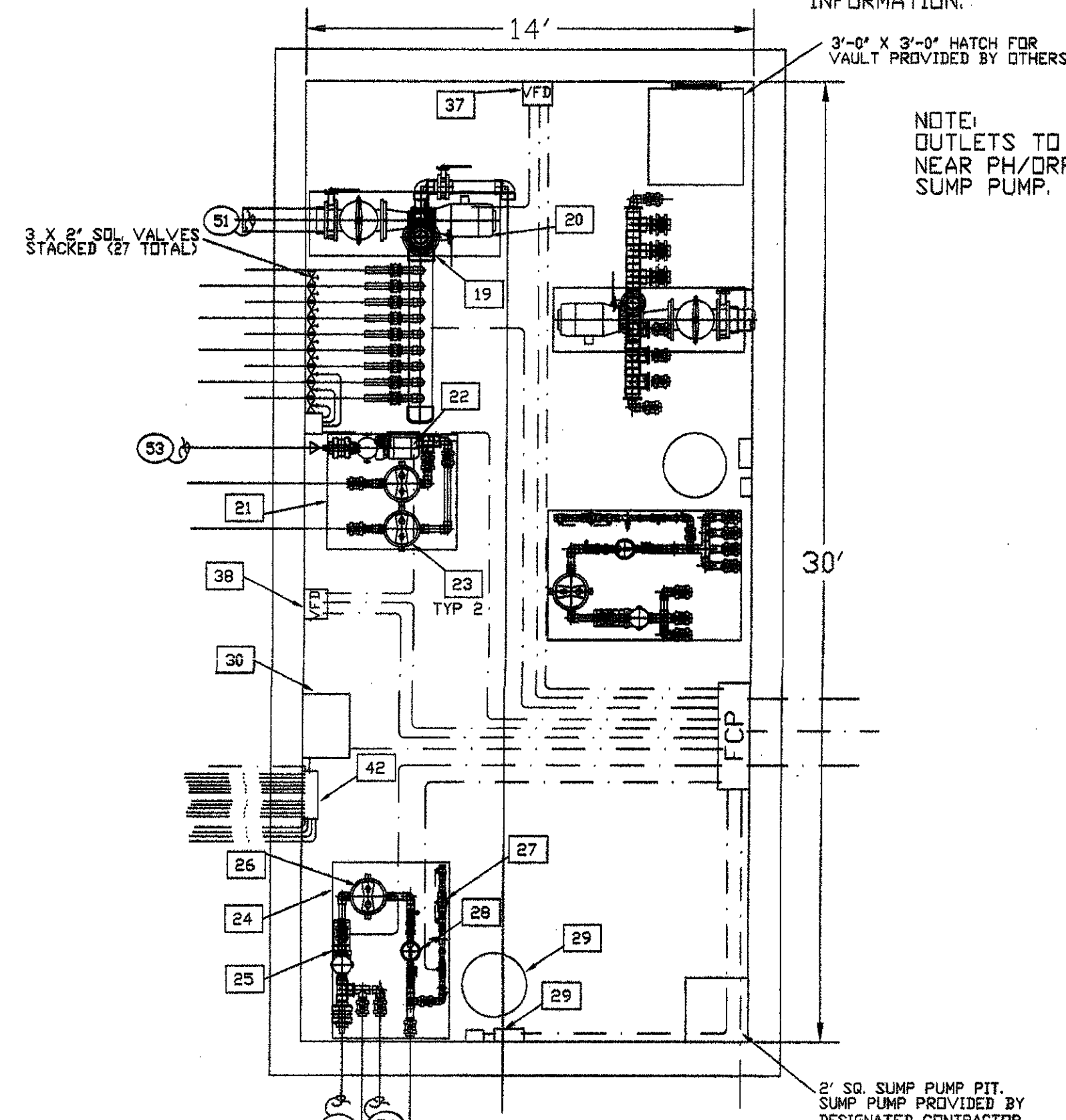
Drawing No. **F2-2**



NOTE:  
 PROPER VENTILATION AND  
 DRAINAGE MUST BE PROVIDED  
 IN PUMP ROOM PER CODE.

NOTE:  
 SEE ELECTRICAL DRAWINGS  
 FOR POWER, VAULT LIGHTING,  
 SUMP PUMP AND VENTILATION  
 INFORMATION.

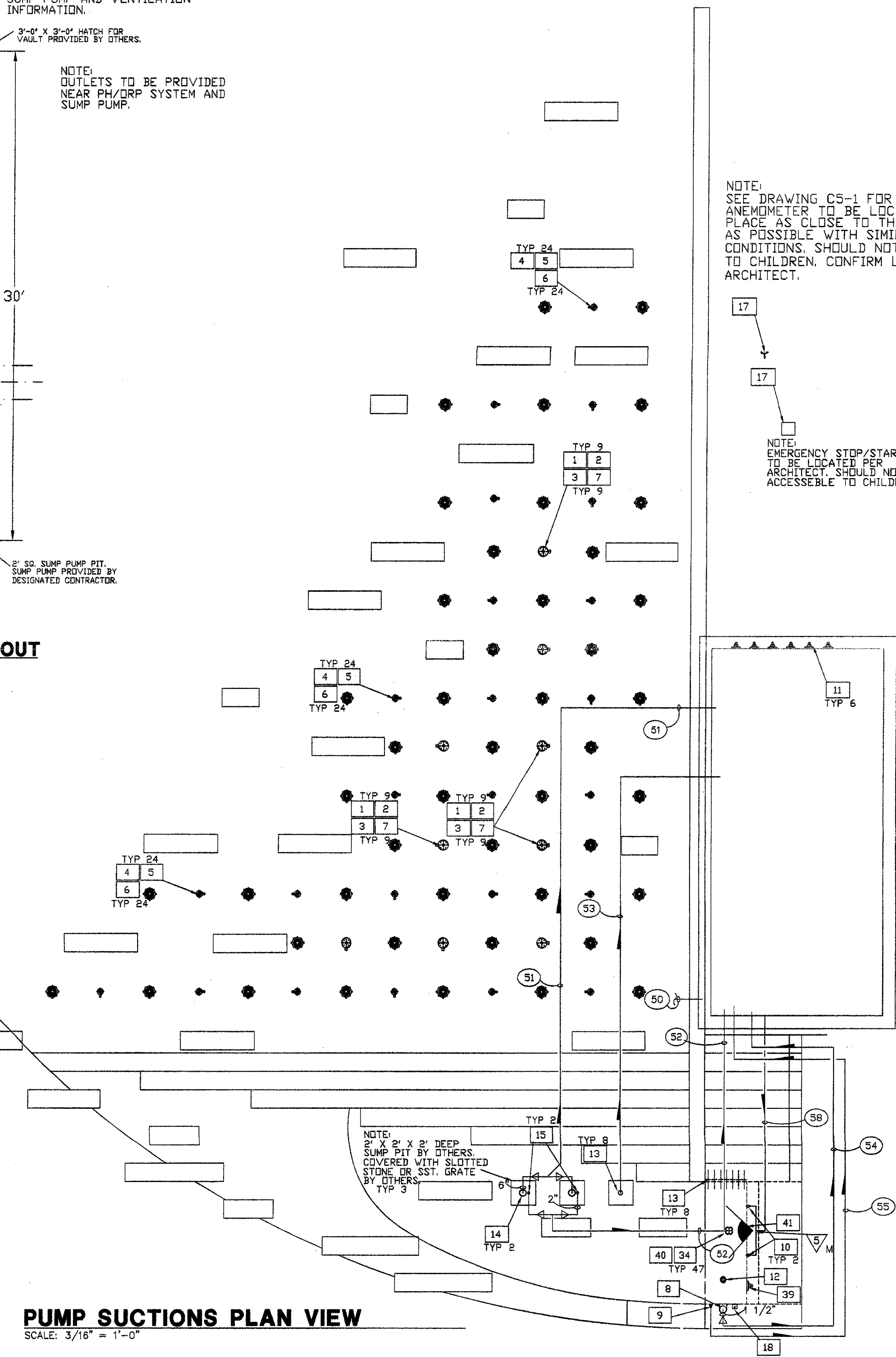
NOTE:  
 OUTLETS TO BE PROVIDED  
 NEAR PH/ORP SYSTEM AND  
 SUMP PUMP.



**PLAZA INTERACTIVE  
 MECHANICAL PUMP LAYOUT**  
 SCALE: 1/4" = 1'-0"

NOTE:  
 SEE DRAWING C5-1 FOR LOCATION.  
 ANEMOMETER TO BE LOCATED IN  
 PLACE AS CLOSE TO THE FOUNTAIN  
 AS POSSIBLE WITH SIMILAR WIND  
 CONDITIONS. SHOULD NOT BE ACCESSIBLE  
 TO CHILDREN. CONFIRM LOCATION WITH  
 ARCHITECT.

NOTE:  
 EMERGENCY STOP/START  
 TO BE LOCATED PER  
 ARCHITECT. SHOULD NOT BE  
 ACCESSIBLE TO CHILDREN.



**PUMP SUCTIONS PLAN VIEW**  
 SCALE: 3/16" = 1'-0"

**ADDISON CIRCLE ARTS (D)  
 PLAZA INTERACTIVE MIST AND JET WATER FEATURE  
 EQUIPMENT LIST**

NO.	DETAIL	ITEM DESCRIPTION	QTY
1	A-F2-5	GEFCO SELECT #SE112-20 INDEPENDENT AERATING JET: 3/16" NOZZLE SIZE, 2" FEMALE NPT. CONNECTION.	9
2	A-F2-5	GEFCO CUSTOM FLOW STRAIGHTENER.	9
3	A-F2-5	GEFCO CUSTOM AERATION JET SLEEVE CAN: 2" NPT. FEMALE BOTTOM CONN., 2" NPT. FEMALE SIDE CONN.	9
4	B-F2-5	GEFCO SELECT #SE1/2"-C-35W MISTING JET: 1/2" MALE NPT. CONNECTION.	24
5	B-F2-5	GEFCO CUSTOM FLOW STRAIGHTENER.	24
6	B-F2-5	GEFCO CUSTOM MISTING JET SLEEVE CAN: 1/2" NPT. FEMALE BOTTOM CONN., 1" NPT. FEMALE SIDE CONN.	24
7	A-F2-5	GEFCO SELECT #SE137-20 ADJUSTMENT FLANGE: 2" MALE AND FEMALE NPT. CONN., 5" ADJ.	1
8	C-F2-5	GEFCO #PE100-1 SURFACE SKIMMER: 1-1/2" N.P.S. FEMALE CONNECTION.	1
9	D-F2-5	GEFCO #PE101 VACUUM FITTING: 2" N.P.S. FEMALE CONNECTION.	1
10	E-F2-5	GEFCO #PE102 EYEBALL FITTING: 1" ORIFICE SIZE, 2" N.P.S. FEMALE CONNECTION.	2
11	F-F2-5	GEFCO #PE105-4 WALL NICHE AIR VENTS: 4" FEMALE NPT. CONNECTION.	6
12	G-F2-5	GEFCO #PE104-4 MAIN POOL DRAIN: 4" FEMALE NPT. CONNECTION.	1
13	H-F2-5	GEFCO #PE105-60P SLAB PENETRATION: 4" DIA. X 18" LONG SCH. 80 PVC. PIPE W/ PVC WATERSTOP FLANGE.	8
14	H-F2-5	GEFCO #PE105-80P SLAB PENETRATION: 4" DIA. X 24" LONG SCH. 80 PVC. PIPE W/ PVC. WATERSTOP FLANGE.	2
15	H-F2-5	GEFCO #PE105-20P SLAB PENETRATION: 2" DIA. X 18" LONG SCH. 80 PVC. PIPE W/ PVC. WATERSTOP FLANGE.	2
16	X	GEFCO #PE111 MAINTENANCE KIT.	1
17	J-F2-5	GEFCO #PE114 ANEMOMETER: 3/4" FEMALE NPT. CONNECTION.	1
18	K-F2-5	GEFCO SELECT #SE1318 DUAL WATER LEVEL SENSOR: 3/4" NPT. BTM. CONNECTION.	1
19	X	GEFCO #SK115 PUMPING SKID: 2'-0" X 6'-0" PAD, FACTORY TESTED AND PREASSEMBLED.	1
20	X	GEFCO SELECT #PM212-15 DISPLAY PUMP: 15 HP, 654 GPM AT 70 FH, 208 V. 3P 1750 RPM, 60 HZ.	1
21	X	GEFCO #SK103-200 PUMPING SKID: 4'-0" X 8'-0" PAD, FACTORY TESTED AND PREASSEMBLED.	1
22	X	GEFCO SELECT #FM113 FILTER PUMP: 3 HP., 120 GPM. AT 55 FH, 208V., 3P, 3450 RPM, 60HZ.	1
23	X	GEFCO SELECT #FM900-1000 CARTRIDGE FILTER ASSEMBLY: 100 SQ. FT. FILTER W/ 100 SQ. FT. REPLACEMENT FILTER.	2
24	X	GEFCO #SK103-150 PUMPING SKID: 4'-0" X 8'-0" PAD, FACTORY TESTED AND PREASSEMBLED.	1
25	X	GEFCO SELECT #FM112 FILTER PUMP: 3 HP., 100 GPM. AT 55 FH, 208V., 3P, 3450 RPM, 60HZ.	1
26	X	GEFCO SELECT #FM900-1000 CARTRIDGE FILTER ASSEMBLY: 100 SQ. FT. FILTER W/ 100 SQ. FT. REPLACEMENT FILTER.	1
27	X	GEFCO #FM800-15 WATER CONTROL MANIFOLD; AUTOMATIC FILL/LEVEL CONTROL MANIFOLD.	1
28	X	GEFCO SELECT #PM1725 BROMINATOR WITH FLOW INDICATOR: 1-1/2" NPT. CONNECTION.	1
29	X	GEFCO SELECT #PM1750PH/ORP EROSION CONTROLLER.	1
30	X	GEFCO SELECT LIGHTING TRANSFORMER: 5 KVA, 120 PRIM., 16/32 SEC.	1
31	L-F2-5	GEFCO SELECT EE138-4 DECK BOX: (4) 3/4" NPT. S/T CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.	5
32	L-F2-5	GEFCO SELECT EE138-3 DECK BOX: (3) 3/4" NPT. S/T CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.	6
33	L-F2-5	GEFCO SELECT EE138-2 DECK BOX: (2) 3/4" NPT. S/T CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.	4
34	L-F2-5	GEFCO SELECT EE137-4 JUNCTION BOX: 5 KVA, 120 PRIM., 16/32 SEC.	47
35	X	PLAZA NICHE LIGHTS BY DESIGNATED CONTRACTOR	46
36	X	X	-
37	X	ABB #ACS401-600-30/2 VARIABLE FREQUENCY DRIVE: 208V, 3P, FOR 15 HP PUMP.	1
38	X	ABB #ACS401-600-30/2 VARIABLE FREQUENCY DRIVE: 208V, 3P, FOR 3 HP PUMP.	1
39	F-F2-5	GEFCO #PE105-4 WALL NICHE OVERFLOW: 4" FEMALE NPT. CONNECTION.	1
40	L-F2-5	GEFCO SELECT EE138-1 DECK BOX: (1) 3/4" NPT. S/T CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.	1
41	X	LOWER POOL LIGHT BY DESIGNATED CONTRACTOR	1
42	X	GEFCO SELECT LIGHTING PANEL: 225 MAIN BUSS-BREAKER, 12 SPACE, 240/120V, 2POLE.	1
43	X	GEFCO SELECT E/STOP/ START/STOP PUSH BUTTON STATION.	1

**PIPING**

50	1 1/2" INCOMING SUPPLY WATER LINE (50 PSI MAXIMUM)	1
51	8" DISPLAY PUMP SUCTION FROM SUMPS	1
52	3" "A" SERIES FILTER PUMP SUCTION FROM SUMPS	1
53	4" "L" SERIES FILTER PUMP SUCTION FROM SUMP	1
54	2" FILTER PUMP SUCTION FROM SURFACE SKIMMER	1
55	2" FILTER PUMP SUCTION FROM VACUUM FITTING	1
56	2" DISCHARGE TO AERATION JETS	9
57	2" FILTER RETURN TO MIST JETS	2
58	2" FILL/FILTER RETURN TO EYEBALL FITTINGS	1
59	4" DRAIN LINE TO COLLECTING POOL	6
60	4" DRAIN LINE (SEE C4-2)	1
61	4" VENT LINE	6
62	4" DUMP LINE TO STORM DRAIN	1
63	4" OVERFLOW DRAIN LINE TO 4" MAIN DRAIN LINE	1

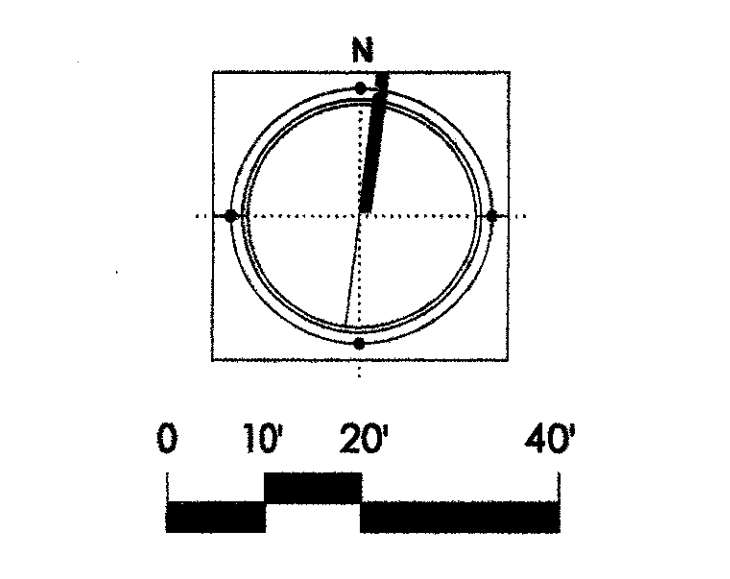
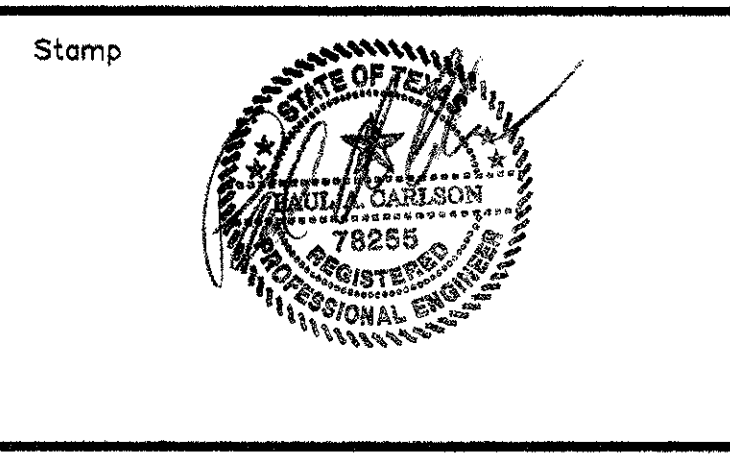
**CONDUITS**

70	2 1/2" INCOMING POWER 120/208V 3P 225A (4#/0+1#30)	1
71	1" CONDUIT FROM CONTROL PANEL TO VFD FOR 15HP DISPLAY PUMP (3#12+1#80) (VIA VFD)	1
72	3/4" CONDUIT FROM CONTROL PANEL TO VFD FOR 3HP L SERIES FILTER PUMP (3#12+1#80) (VIA VFD)	1
73	1/2" CONDUIT FROM CONTROL PANEL TO 3HP A SERIES FILTER PUMP (3#12+1#80)	1
74	1/2" CONDUIT FROM CONTROL PANEL TO FILL VALVE (2#18+1#180)	1
75	3/4" CONDUIT FROM CONTROL PANEL TO WATER LEVEL SENSOR (6#18+1#180)	1
76	3/4" CONDUIT FROM CONTROL PANEL TO ANEMOMETER (1 PAIR #18 SHIELDED CABLE)	1
77	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHTS 4 X 780) (4#10+1#100)	5
78	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHTS 3 X 780) (2#10+1#100)	6
79	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHTS 2 X 780) (2#10+1#100)	4
80	1" CONDUIT FROM VFD TO 15HP DISPLAY PUMP (3#12+1#80)	1
81	3/4" CONDUIT FROM VFD TO 3HP L SERIES FILTER PUMP (3#12+1#80)	1
82	1/2" CONDUIT FROM CONTROL PANEL TO PH/ORP EROSION CONTROLLER (2#14+1#140)	1
83	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHT BY OTHERS) (1 X 300V) (2#10+1#100)	47
84	3/4" CONDUIT FROM LIGHT FIXTURE TO DECK BOX (LIGHT CABLE)	1
85	1/2" CONDUIT FROM CONTROL PANEL TO VFD (6#18+1#180)	2
86	3/4" CONDUIT FROM CONTROL PANEL TO E/STOP/START/STOP STATION (6#18+1#180)	1
87	1/2" CONDUIT FROM PULL BOXES TO CONTROL VALVES (2#18)	27
88	1" CONDUIT FROM CONTROL PANEL TO VALVE PULL BOXES (16#18+1#180)	3
89	1/2" CONDUIT FROM VFD TO PRESSURE SENSOR ON 15HP PUMP MANIFOLD (1 PAIR #18 GAUGE SHIELDED CABLE)	1
90	1" CONDUIT FROM CONTROL PANEL TO 5 KVA TRANSFORMER (3#8+1#80)	1
91	2" CONDUIT FROM 5 KVA TRANSFORMER TO LIGHTING PANEL (3#4/0+1#30)	1

NOTE:  
 CONTROL PANEL COMMON  
 TO EACH FOUNTAIN

ISSUED FOR CONSTRUCTION	09-30-02
-------------------------	----------

No.	Description	Date
DWG ISSUE & REVISION HISTORY		



Project Title:  
**ADDISON ARTS &  
 EVENTS DISTRICT  
 ADDISON, TEXAS**

Drawing Title:  
**PLAZA FOUNTAIN  
 PUMP SUCTIONS PLAN**

Project No. 14516.00 Scale: AS NOTED  
 Drawn By:  
 Checked By:  
 Approved By:  
 Date: September 30, 2002

Drawing No. **F2-3**

**ADDISON CIRCLE ARTS (D)**  
 PLAZA INTERACTIVE MIST AND JET WATER FEATURE  
 EQUIPMENT LIST

SYMB	DETAIL	QTY	DESCRIPTION
1	A-F2-5 GEFCO SELECT #EE112-20 INDEPENDENT AERATING JET: 3/16" NOZZLE SIZE, 2" FEMALE NPT. CONNECTION.	9	
2	A-F2-5 GEFCO CUSTOM FLOW STRAIGHTENER.	9	
3	A-F2-5 GEFCO CUSTOM AERATION JET SLEEVE CAN: 2" NPT. FEMALE BOTTOM CONN., 2" NPT. FEMALE SIDE CONN.	9	
4	B-F2-5 GEFCO SELECT #EE122-C-35W MISTING JET: 1/2" MALE NPT. CONNECTION.	24	
5	B-F2-5 GEFCO CUSTOM FLOW STRAIGHTENER.	24	
6	B-F2-5 GEFCO CUSTOM MISTING JET SLEEVE CAN: 1/2" NPT. FEMALE BOTTOM CONN., 1" NPT. FEMALE SIDE CONN.	24	
7	A-F2-5 GEFCO SELECT #EE137-20 ADJUSTMENT FLANGE: 2" MALE AND FEMALE NPT. CONN., 8" ADJ.	9	
8	C-F2-5 GEFCO #PE100-1 SURFACE SKIMMER: 1-1/2" N.P.T. FEMALE CONNECTION.	1	
9	D-F2-5 GEFCO #PE101 VACUUM FITTING: 2" N.P.S. FEMALE CONNECTION.	1	
10	E-F2-5 GEFCO #PE102 EYEBALL FITTING: 1" ORPICE SIZE, 2" N.P.S. FEMALE CONNECTION.	2	
11	F-F2-5 GEFCO #PE105-4 WALL NICHE AIR VENTS: 4" FEMALE NPT. CONNECTION.	6	
12	G-F2-5 GEFCO #PE104-4 MAIN POOL DRAIN: 4" FEMALE NPT. CONNECTION.	1	
13	H-F2-5 GEFCO #PE109-40P SLAB PENETRATION: 4" DIA. X 18" LONG SCH. 80 PVC. PIPE W/ PVC WATERSTOP FLANGE.	8	
14	H-F2-5 GEFCO #PE109-60P SLAB PENETRATION: 6" DIA. X 24" LONG SCH. 80 PVC. PIPE W/ PVC. WATERSTOP FLANGE.	2	
15	H-F2-5 GEFCO #PE109-20P SLAB PENETRATION: 2" DIA. X 18" LONG SCH. 80 PVC. PIPE W/ PVC. WATERSTOP FLANGE.	2	
16	X GEFCO #EE111 MAINTENANCE KIT.	1	
17	J-F2-5 GEFCO #EE114A ANEMOMETER: 3/4" FEMALE NPT. CONNECTION.	1	
18	K-F2-5 GEFCO SELECT #EE131B DUAL WATER LEVEL SENSOR: 3/4" NPT. BTM. CONNECTION.	1	
19	X GEFCO #SK115 PUMPING SKID: 2'-0" X 6'-0" PAD, FACTORY TESTED AND PREASSEMBLED.	1	
20	X GEFCO SELECT #PM212-15 DISPLAY PUMP: 15 HP, 854 GPM AT 70 FH, 208 V. 3# 1750 RPM, 60 HZ.	1	
21	X GEFCO #SK103-200 PUMPING SKID: 4'-0" X 5'-0" PAD, FACTORY TESTED AND PREASSEMBLED.	1	
22	X GEFCO SELECT #PM113 FILTER PUMP: 3 HP, 120 GPM. AT 85 FH, 208V, 3#, 3450 RPM, 60HZ.	1	
23	X GEFCO #PM900-100C CARTRIDGE FILTER ASSEMBLY: 100 SQ. FT. FILTER W/ 100 SQ. FT. REPLACEMENT FILTER.	2	
24	X GEFCO #SK103-150 PUMPING SKID: 4'-0" X 6'-0" PAD, FACTORY TESTED AND PREASSEMBLED.	1	
25	X GEFCO SELECT #PM112 FILTER PUMP: 3 HP, 100 GPM. AT 85 FH, 208V, 3#, 3450 RPM, 60HZ.	1	
26	X GEFCO SELECT #PM900-150C CARTRIDGE FILTER ASSEMBLY: 150 SQ. FT. FILTER W/ 150 SQ. FT. REPLACEMENT FILTER.	1	
27	X GEFCO #PM800-15 WATER CONTROL MANIFOLD: AUTOMATIC FILL/LEVEL CONTROL MANIFOLD.	1	
28	X GEFCO SELECT #M1725 BROMINATOR WITH FLOW INDICATOR: 1-1/2" NPT. CONNECTION.	1	
29	X GEFCO SELECT #M1750PH/ORP EROSION CONTROLLER.	1	
30	X GEFCO SELECT LIGHTING TRANSFORMER: 5 KVA, 120 PRM, 16/32 SEC.	1	
31	L-F2-5 GEFCO SELECT EE138-4 DECK BOX: (4) 3/4" NPT. 5/7" CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.	6	
32	L-F2-5 GEFCO SELECT EE138-3 DECK BOX: (3) 3/4" NPT. 5/7" CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.	4	
33	L-F2-5 GEFCO SELECT EE138-2 DECK BOX: (2) 3/4" NPT. 5/7" CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.	4	
34	L-F2-5 GEFCO SELECT EE137-4 JUNCTION BOX COORD SEALS: 5 KVA, 120 PRM, 16/32 SEC.	47	
35	X PLAZA NICHE LIGHTS BY DESIGNATED CONTRACTOR	46	
36	X	1	
37	X ABB #ACS401-600-30/2 VARIABLE FREQUENCY DRIVE: 208V, 3#, FOR 15 HP PUMP.	1	
38	X ABB #ACS401-600-30/2 VARIABLE FREQUENCY DRIVE: 208V, 3#, FOR 3 HP PUMP.	1	
39	F-F2-5 GEFCO #PE105-4 WALL NICHE OVERFLOW: 4" FEMALE NPT. CONNECTION.	1	
40	L-F2-5 GEFCO SELECT EE138-1 DECK BOX: (1) 3/4" NPT. 5/7" CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.	1	
41	X LOWER POOL LIGHT BY DESIGNATED CONTRACTOR	1	
42	X GEFCO SELECT LIGHTING PANEL: 225 MAIN BUS+BREAKER, 12 SPACE, 240/120V, 2POLE.	1	
43	X GEFCO SELECT E/STOP: START/STOP PUSH BUTTON STATION.	1	

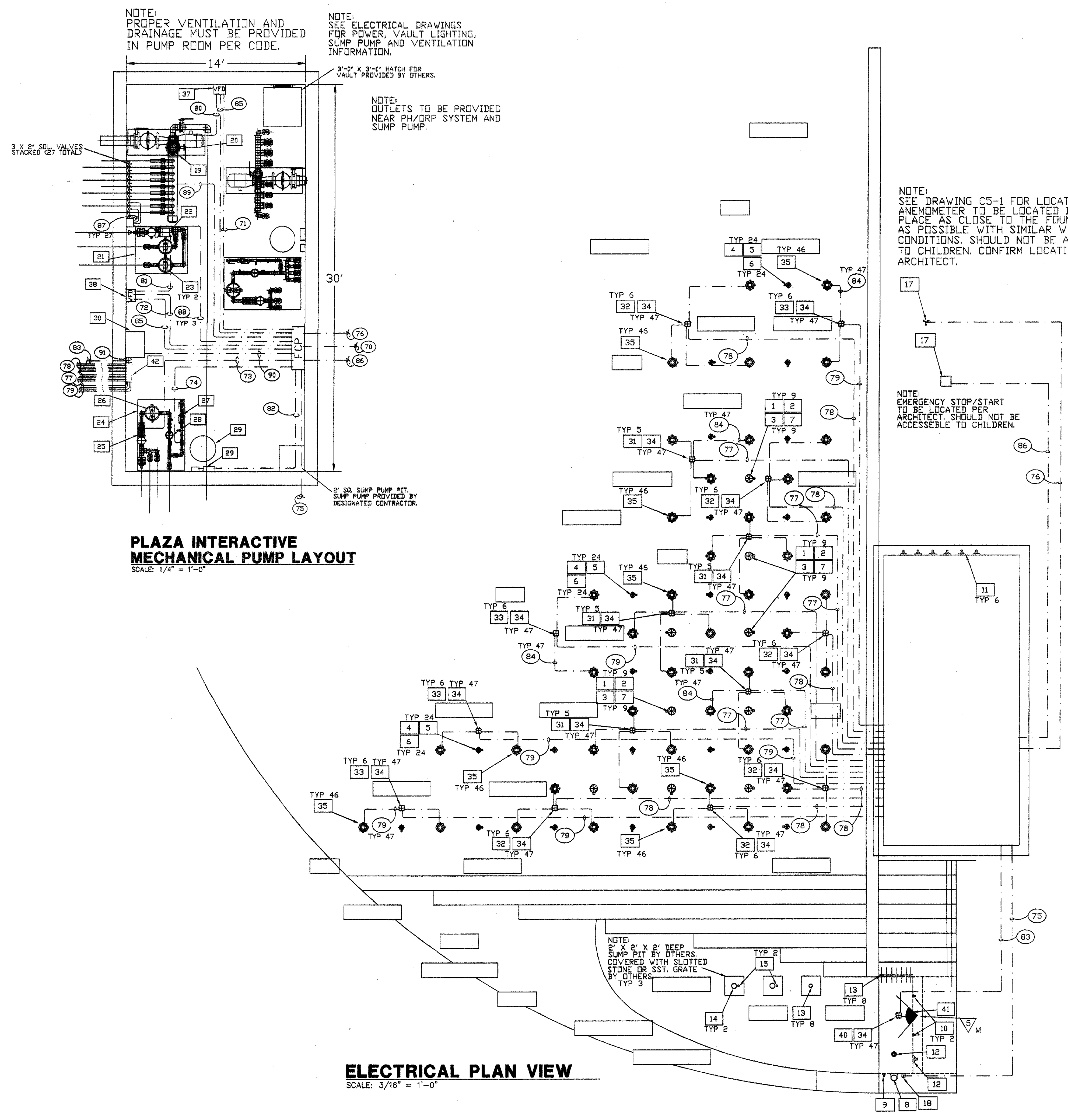
**PIPING**

50	1 1/2" INCOMING SUPPLY WATER LINE (50 PSI MAXIMUM)	1
51	8" DISPLAY PUMP SUCTION FROM SUMPS	1
52	3" "A" SERIES FILTER PUMP SUCTION FROM SUMPS	1
53	4" "L" SERIES FILTER PUMP SUCTION FROM SUMP	1
54	2" FILTER PUMP SUCTION FROM SURFACE SKIMMER	1
55	2" FILTER PUMP SUCTION FROM VACUUM FITTING	1
56	2" DISCHARGE TO AERATION JETS	9
57	2" FILTER RETURN TO MIST JETS	2
58	2" FILL/FILTER RETURN TO EYEBALL FITTINGS	2
59	4" DRAIN LINE TO COLLECTING POOL	6
60	4" DRAIN LINE (SEE 04-2)	1
61	4" VENT LINE	6
62	4" DUMP LINE TO STORM DRAIN	1
63	4" OVERFLOW DRAIN LINE TO 4" MAIN DRAIN LINE	1

**CONDUITS**

70	2 1/2" INCOMING POWER 120/208V 3# 225A (44/0+1#30)	1
71	1" CONDUIT FROM CONTROL PANEL TO VFD FOR 15HP DISPLAY PUMP (3#5+1#80) (VA VFD)	1
72	3/4" CONDUIT FROM CONTROL PANEL TO VFD FOR 3HP L SERIES FILTER PUMP (3#12+1#80) (VA VFD)	1
73	1/2" CONDUIT FROM CONTROL PANEL TO 3HP A SERIES FILTER PUMP (3#14+1#80)	1
74	1/2" CONDUIT FROM CONTROL PANEL TO FILL VALVE (2#18+1#180)	1
75	3/4" CONDUIT FROM CONTROL PANEL TO WATER LEVEL SENSOR (2#18+1#180)	1
76	3/4" CONDUIT FROM CONTROL PANEL TO ANEMOMETER (1 PAIR #18 SHIELDED CABLE)	1
77	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHTS 4 X 75W) (4#10+1#100)	5
78	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHTS 3 X 75W) (2#10+1#100)	8
79	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHTS 2 X 75W) (2#10+1#100)	4
80	1" CONDUIT FROM VFD TO 15HP DISPLAY PUMP (3#5+1#80)	1
81	3/4" CONDUIT FROM VFD TO 3HP L SERIES FILTER PUMP (3#12+1#80)	1
82	1/2" CONDUIT FROM CONTROL PANEL TO PH/ORP EROSION CONTROLLER (2#14+1#40)	1
83	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHT BY OTHERS) (1 X 300W) (2#10+1#100)	1
84	3/4" CONDUIT FROM LIGHT FUTURE TO DECK BOX (LIGHT CABLE)	47
85	1/2" CONDUIT FROM CONTROL PANEL TO VFD (2#18+1#180)	2
86	3/4" CONDUIT FROM CONTROL PANEL TO E/STOP/START/STOP STATION (2#18+1#180)	27
87	1/2" CONDUIT FROM PULL BOXES TO CONTROL VALVES (2#18)	3
88	1" CONDUIT FROM CONTROL PANEL TO VALVE PULL BOXES (1#18+1#180)	1
89	1/2" CONDUIT FROM VFD TO PRESSURE SENSOR ON 15HP PUMP MANIFOLD (1 PAIR #18 GAUGE SHIELDED CABLE)	1
90	1" CONDUIT FROM CONTROL PANEL TO 5 KVA TRANSFORMER (3#8+0+1#30)	1
91	2" CONDUIT FROM 5 KVA TRANSFORMER TO LIGHTING PANEL (3#4+0+1#30)	1

NOTE:  
 CONTROL PANEL COMMON  
 TO EACH FOUNTAIN



NOTE:  
 PROPER VENTILATION AND  
 DRAINAGE MUST BE PROVIDED  
 IN PUMP ROOM PER CODE.

NOTE:  
 SEE ELECTRICAL DRAWINGS  
 FOR POWER, VAULT LIGHTING,  
 SUMP PUMP AND VENTILATION  
 INFORMATION.

NOTE:  
 OUTLETS TO BE PROVIDED  
 NEAR PH/ORP SYSTEM AND  
 SUMP PUMP.

NOTE:  
 SEE DRAWING C5-1 FOR LOCATION.  
 ANEMOMETER TO BE LOCATED IN  
 PLACE AS CLOSE TO THE FOUNTAIN  
 AS POSSIBLE WITH SIMILAR WIND  
 CONDITIONS. SHOULD NOT BE ACCESSIBLE  
 TO CHILDREN. CONFIRM LOCATION WITH  
 ARCHITECT.

NOTE:  
 EMERGENCY STOP/START  
 TO BE LOCATED PER  
 ARCHITECT. SHOULD NOT BE  
 ACCESSIBLE TO CHILDREN.

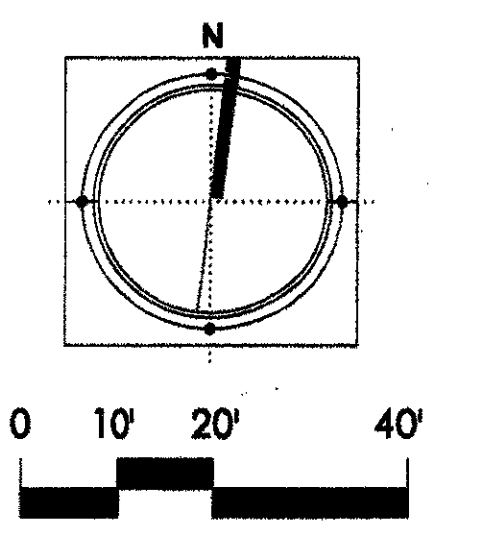
**PLAZA INTERACTIVE  
 MECHANICAL PUMP LAYOUT**  
 SCALE: 1/4" = 1'-0"

**ELECTRICAL PLAN VIEW**  
 SCALE: 3/16" = 1'-0"

No.	Description	Date
	ISSUED FOR CONSTRUCTION	09-30-02

DWG ISSUE & REVISION HISTORY

No.	Description	Date
	Stamp	

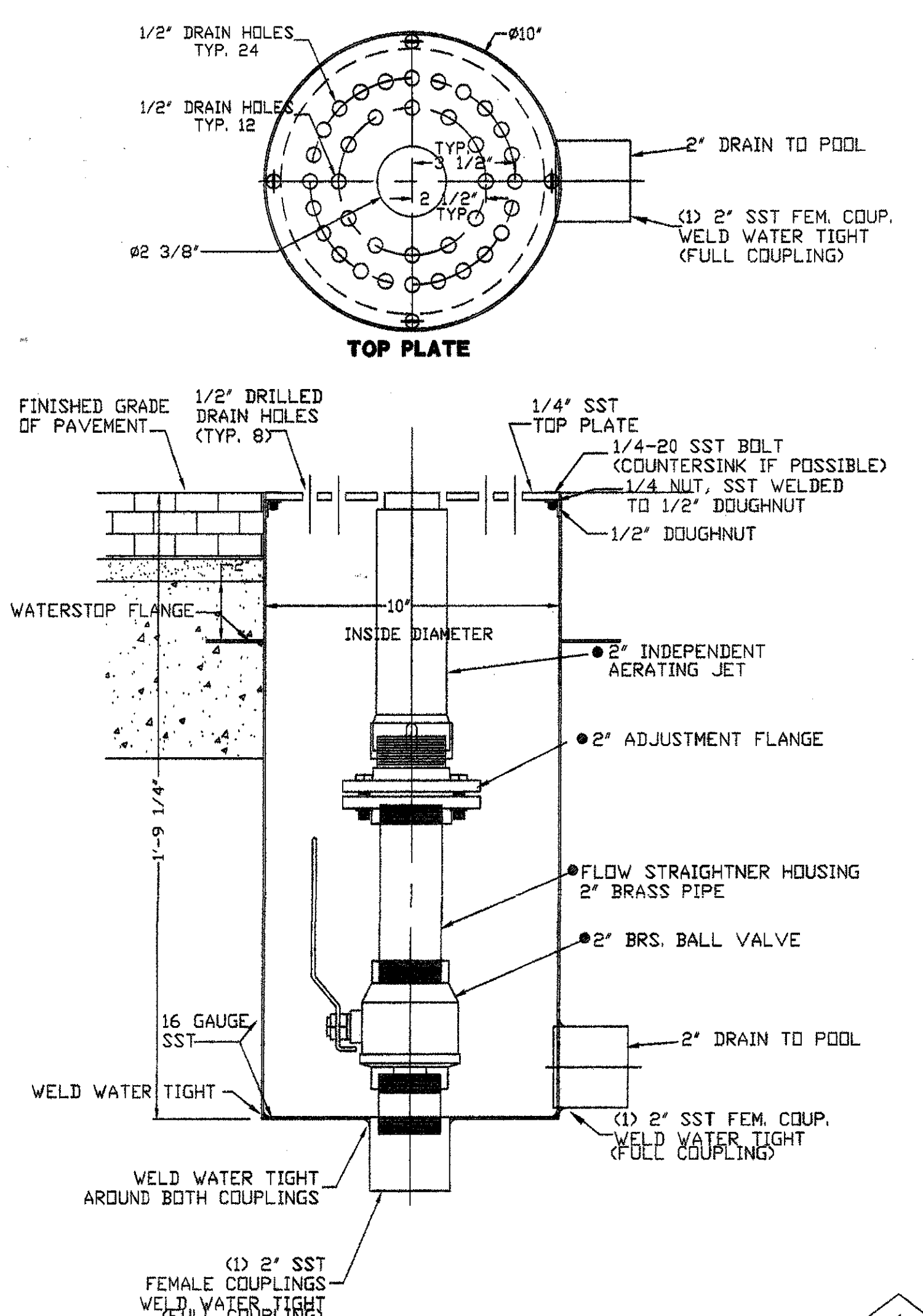


Project Title:  
**ADDISON ARTS &  
 EVENTS DISTRICT**  
 ADDISON, TEXAS

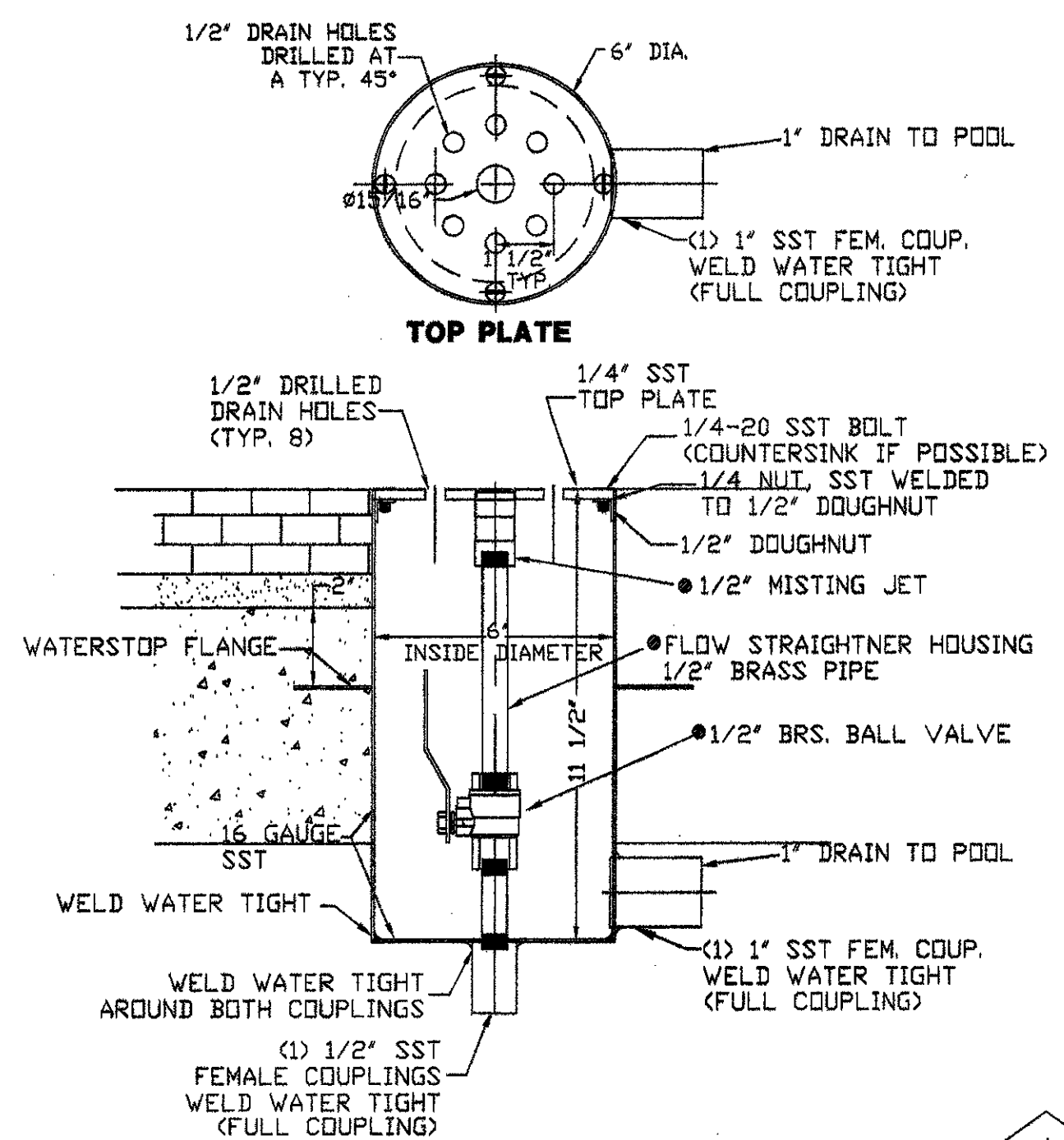
Drawing Title:  
**PLAZA FOUNTAIN  
 ELECTRICAL PLAN**

Project No. 14516.00 Scale: AS NOTED  
 Drawn By:  
 Checked By:  
 Approved By:  
 Date: September 30, 2002

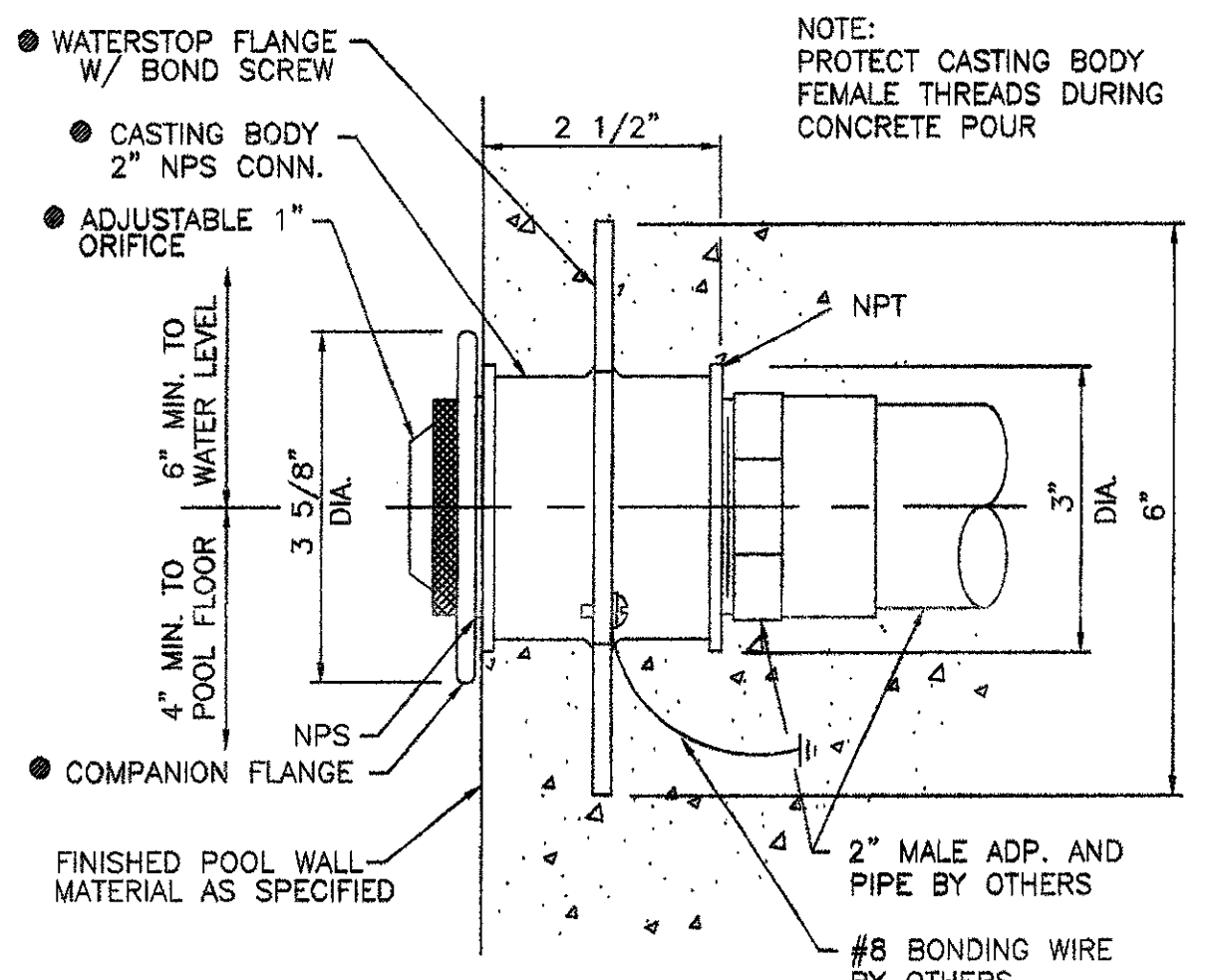
Drawing No. **F2-4**



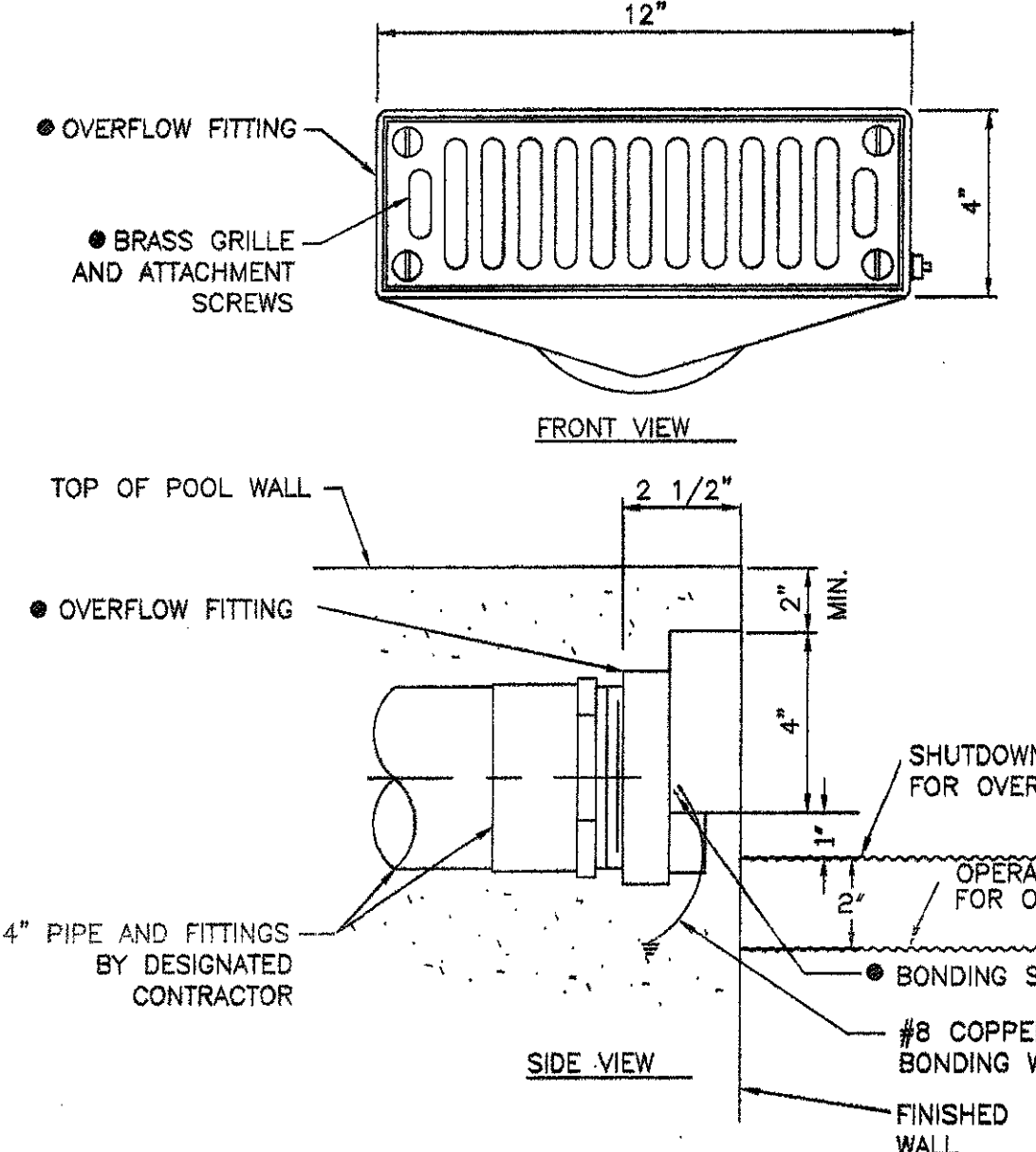
**JET SLEEVE CAN & INDEPENDENT AERATING JET**  
 SCALE: 3" = 1'-0"  
**A**  
**F2-5**



**JET SLEEVE CAN & MISTING JET**  
 SCALE: 3" = 1'-0"  
**B**  
**F2-5**



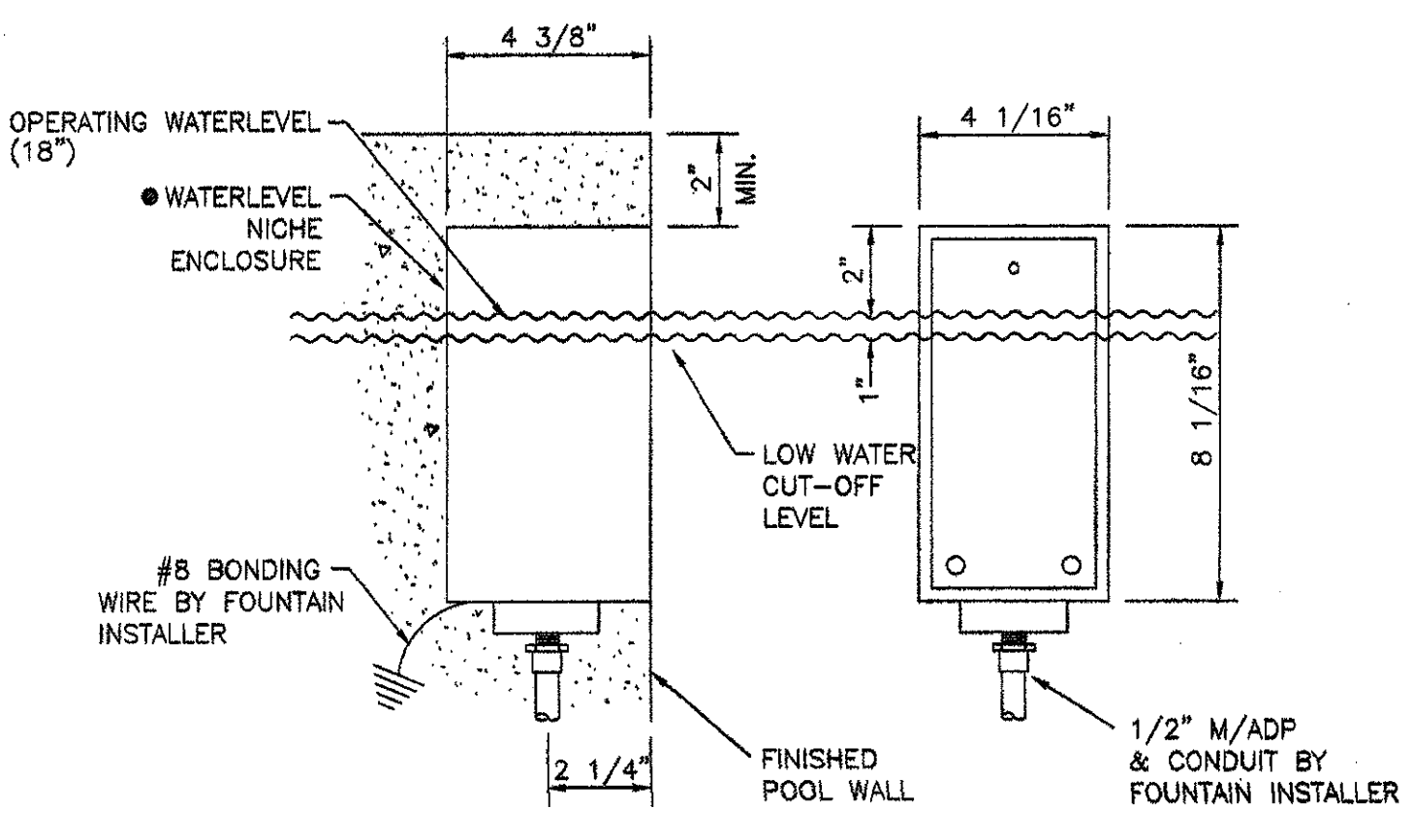
**SURFACE SKIMMER**  
 SCALE: 1 1/2" = 1'-0"  
**C**  
**F2-5**



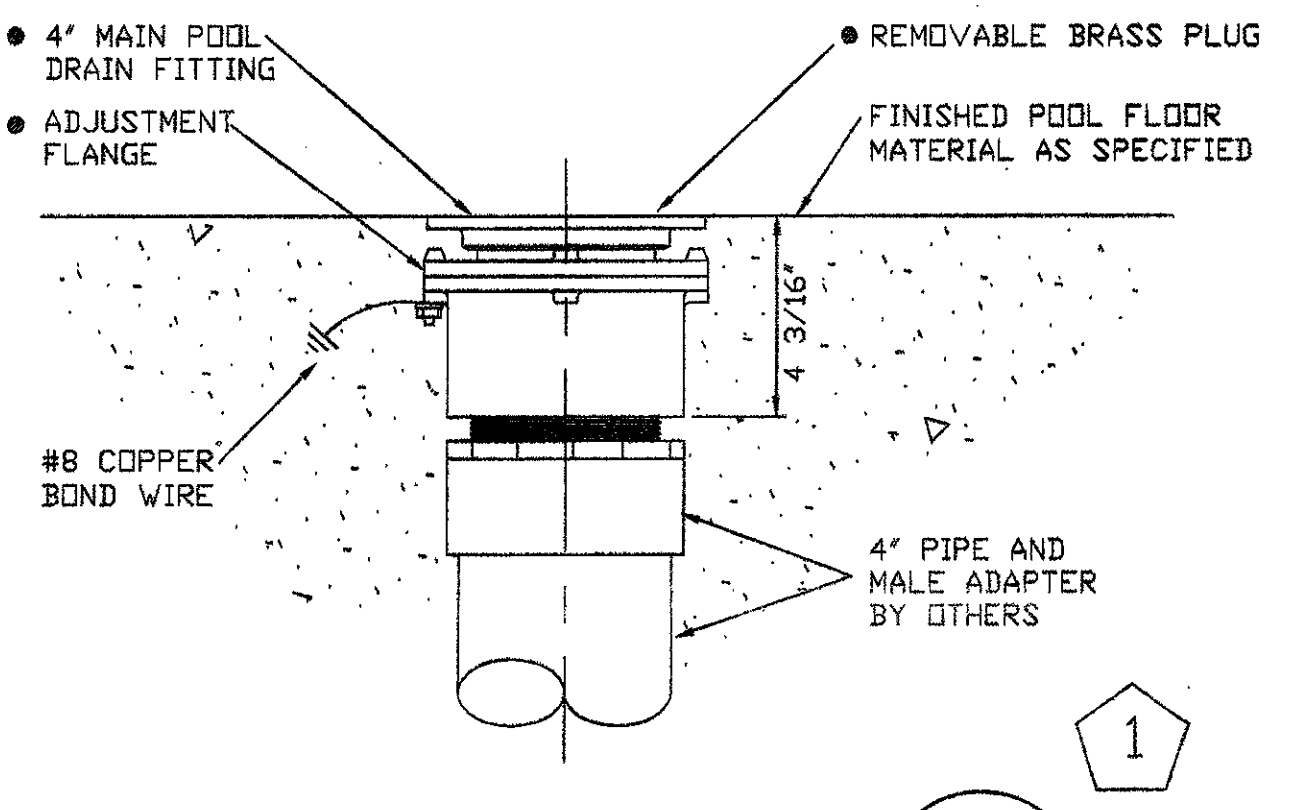
**VACUUM FITTING**  
 SCALE: 1/2" = 1"  
**D**  
**F2-5**



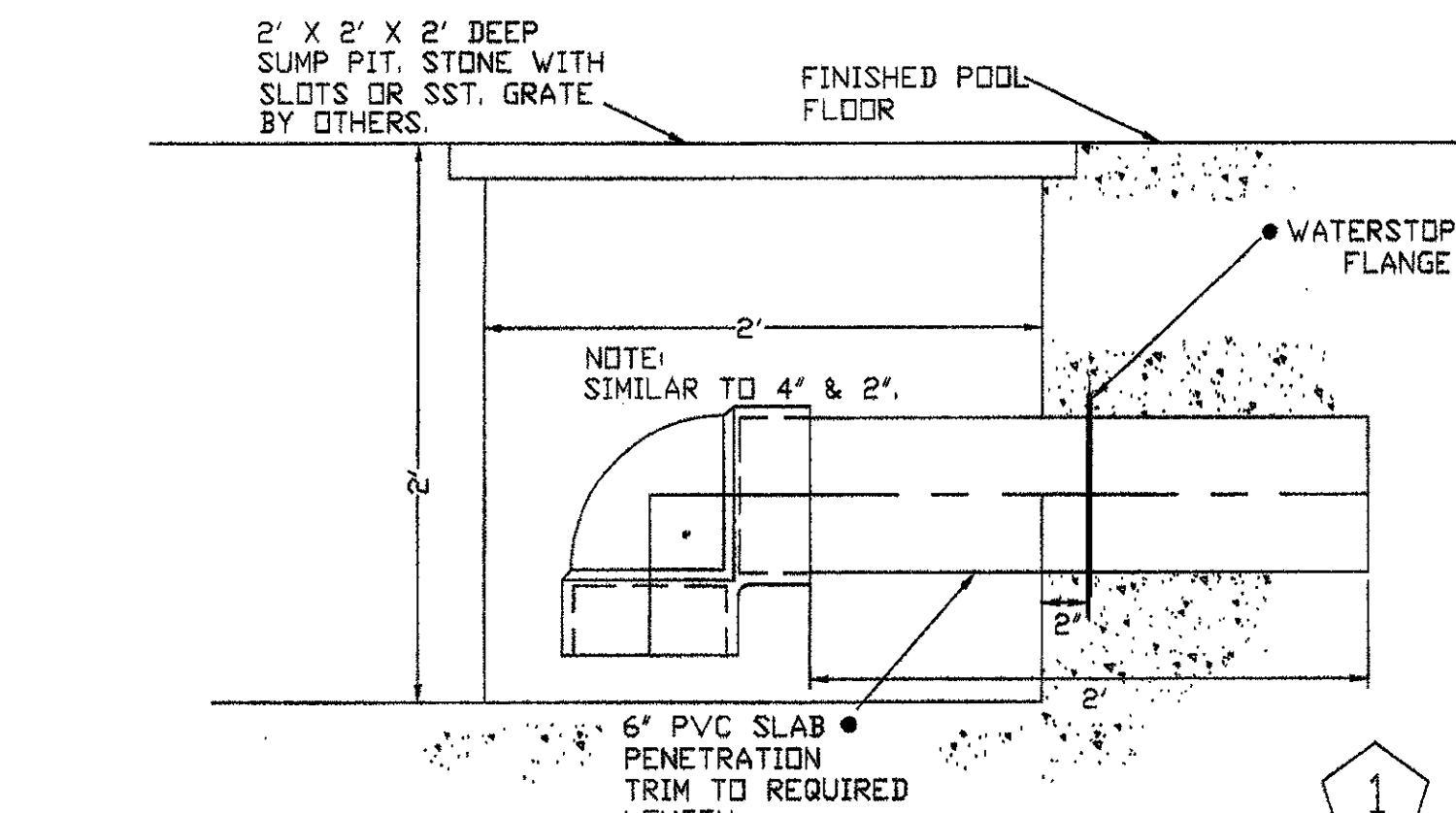
**EYEBALL FITTING**  
 SCALE: 1/2" = 1"  
**E**  
**F2-5**



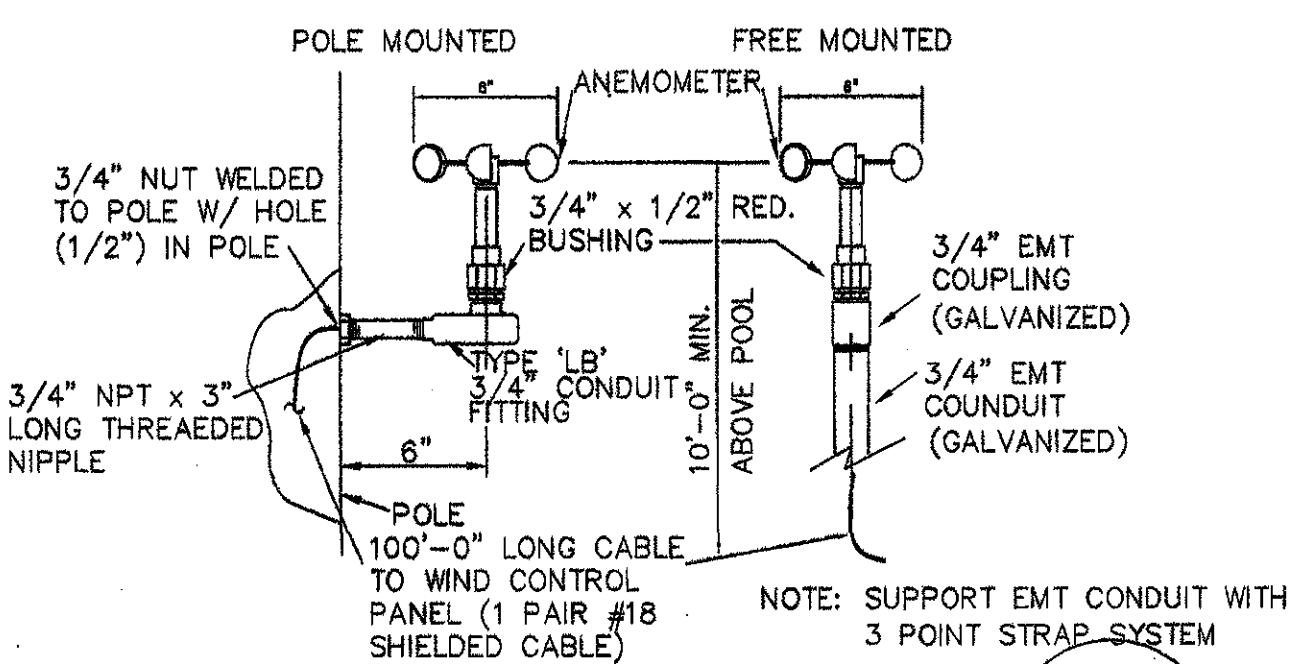
**4\"/>
 SCALE: 3" = 1'-0"  
**F**  
**F2-5****



**MAIN POOL DRAIN**  
 SCALE: 3" = 1'-0"  
**G**  
**F2-5**



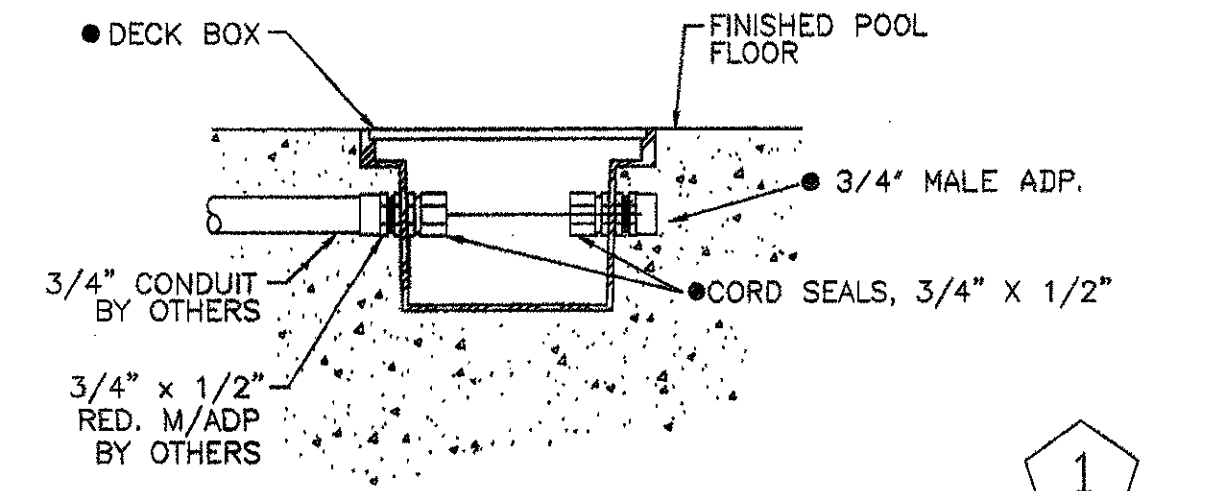
**6\"/>
 SCALE: 1 1/2" = 1'-0"  
**H**  
**F2-5****



**WIND CONTROL SYSTEM**  
 SCALE: 1 1/2" = 1'-0"  
**I**  
**F2-5**

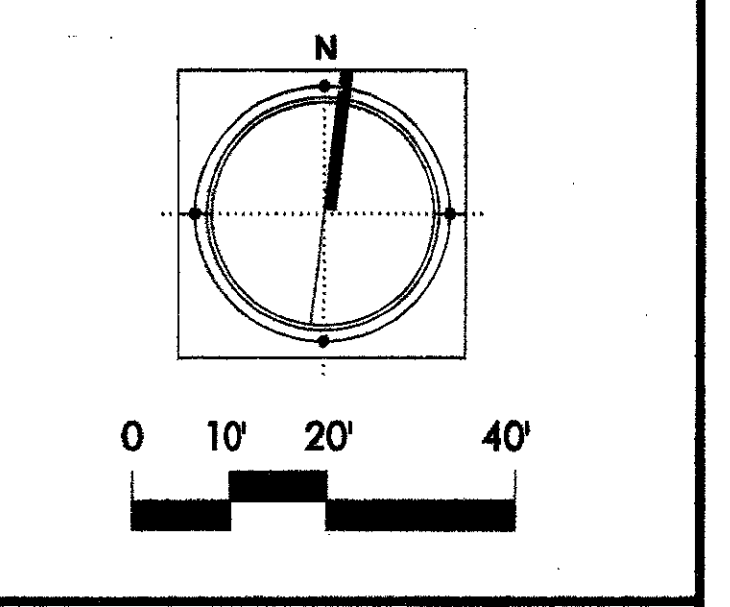
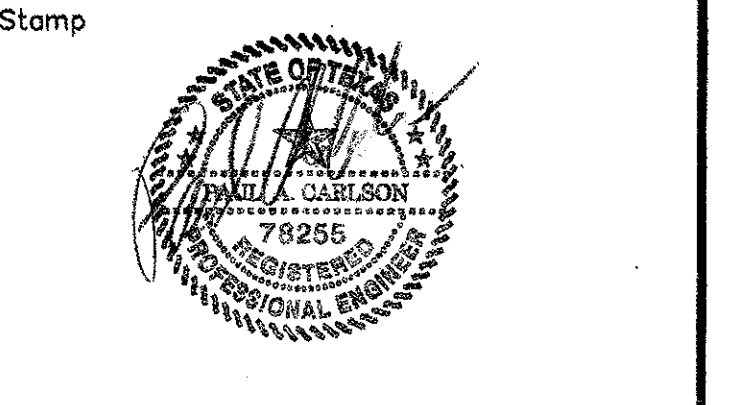


**WATER LEVEL SENSOR**  
 SCALE: 3" = 1'-0"  
**J**  
**F2-5**



**SUBMER. DECK BOX**  
 SCALE: 3" = 1'-0"  
**K**  
**F2-5**

ISSUED FOR CONSTRUCTION	09-30-02	
No.	Description	Date
DWG ISSUE & REVISION HISTORY		



Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

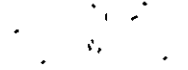
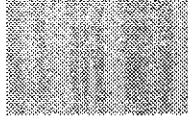










Drawing Title:  
**PLAZA FOUNTAIN**  
**FOUNTAIN DETAILS**

Project No. 14516.00 Scale: AS NOTED  
 Drawn By:  
 Checked By:  
 Approved By:  
 Date: September 30, 2002

Drawing No. **F2-5**



**LEGEND**

-  LAWN (IRRIGATED)
-  ANNUAL FLOWER DISPLAY
-  DWARF MONDO GRASS
-  ASIAN JASMINE
-  ST. JOHNSWORT
-  FOUNTAIN GRASS
-  LIRIOPE
-  PROPOSED TREES
-  PROPOSED EVERGREEN TREES
-  EXISTING TREES TO REMAIN
-  ROSE
-  VINE

NOTE: FOR PLANT LIST SEE L2-1

BENCHMARK (TBM-1)  
60d NAIL IN POWER POLE  
N 12320.7279  
E 9776.2985  
ELEV=636.97

BENCHMARK (TBM-2)  
X MARKED IN CONC CURB  
N 12655.2926  
E 10392.6203  
ELEV=633.20

ADDISON CIRCLE DRIVE

ADDISON ROAD

LIMIT OF WORK

THE ELLIPSE

TREE LAWN

CENTRAL LAWN

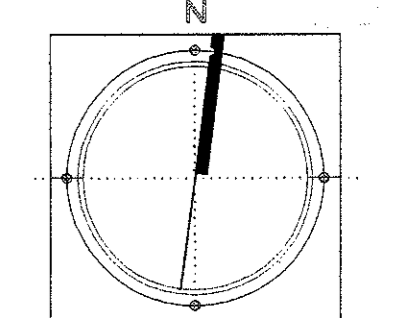
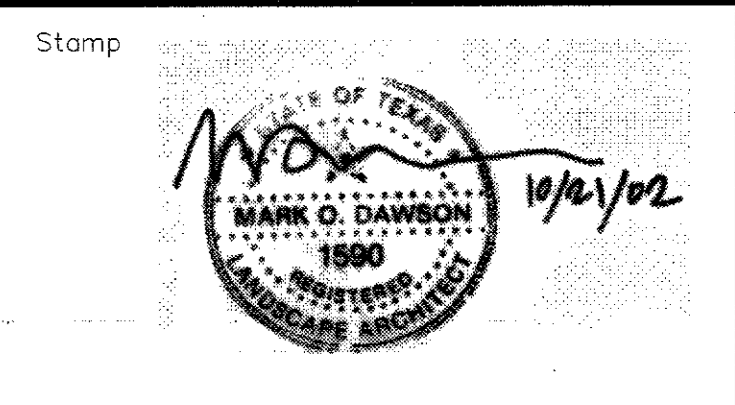
GROVE

FESTIVAL WAY

MAIN STAGE



BULLETIN #1	12-30-02	
ISSUED FOR CONSTRUCTION	11-26-02	
ADDENDUM #2	10-21-02	
ISSUED FOR CONSTRUCTION	09-30-02	
No.	Description	Date



Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
ADDISON, TEXAS

Drawing Title:  
**PLANTING PLAN**

Project No. 14516.00 Scale: 1"=20'-0"  
Drawn By: CB  
Checked By: DC  
Approved By: MOD  
Date: September 30, 2002

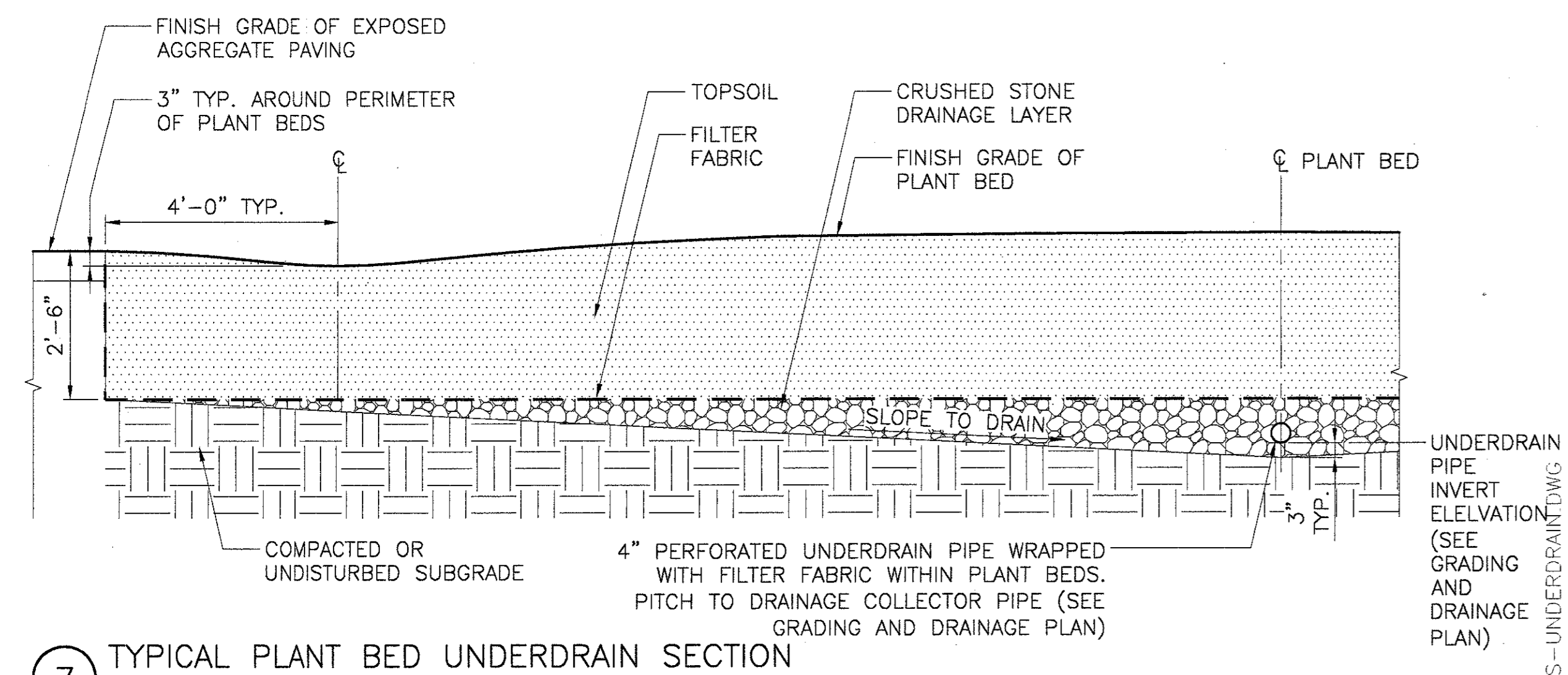
Drawing No. **L1-1**



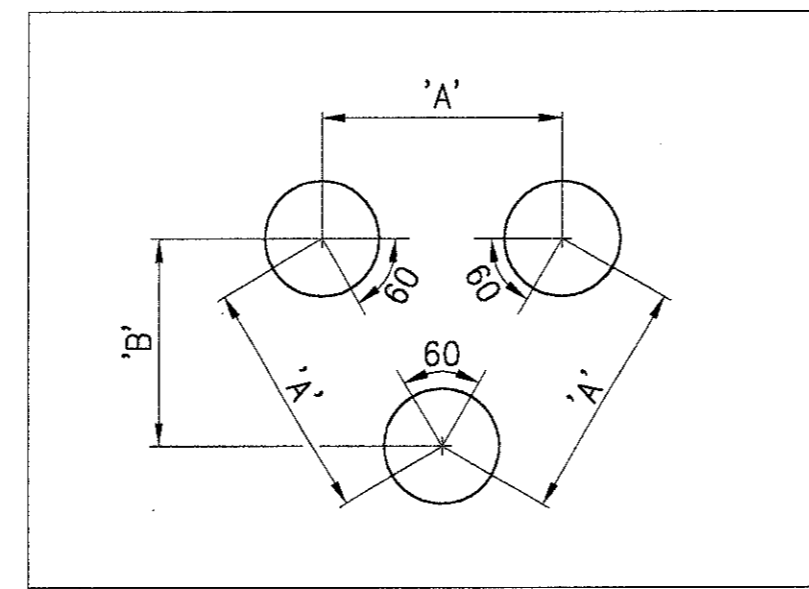
**PLANT LIST**

SYM.	QUA.	COMMON NAME	BOTANICAL NAME	SIZE/HEIGHT	REMARKS
<b>Trees</b>					
BO	16	Bur Oak	Quercus macrocarpa	3 1/2 - 4" caliper	
CE	62	Cedar Elm	Ulmus crassifolia	32 @ 2 1/2 - 3" cal., 30 @ 3 - 3 1/2" cal.	
CO	50	Chinkapin Oak	Quercus muhlenbergii	4 - 4 1/2" caliper	
CP	85	Chinese Pistache	Pistacia chinensis	24 @ 3" caliper, 61 @ 3 1/2 - 4" caliper	Specimens
EN	14	Eve's Necklace	Sophora affinis	2 - 2 1/2" caliper	Single stemmed
JFC	18	Japanese Flowering Crabapple	Malus floribunda	2 1/2 - 3" caliper	
LO	24	Live Oak	Quercus virginiana	4 1/2 - 5" caliper	Matched specimens
MP	7	Mexican Plum	Prunus mexicana	2 1/2 - 3" caliper	Single stemmed
NC	12	Natchez Crapemyrtle	Lagerstroemia x 'Natchez'	8 - 10' height	Multistemmed
OR	16	Oklahoma Redbud	Cercis reniformis 'Oklahoma'	2 1/2 - 3" caliper	Single stemmed
P	8	Pecan	Carya illinoensis	3" caliper	
S	8	Sweetgum	Liquidambar styraciflua	3" caliper	
SH	12	Shademaster Honeylocust	Gleditsia triacanthos 'Shademaster'	3 1/2 - 4" caliper	Matched specimens
SM	13	Shantung Maple	Acer truncatum	2 1/2 - 3" caliper	
SO	73	Shumard Oak	Quercus shumardii	17 @ 3" cal., 44 @ 4" cal., 12 @ 5" cal.	
TC	12	Tuscarora Crapemyrtle	Lagerstroemia x 'Tuscarora'	8 - 10' height	Multistemmed
YH	58	Yaupon Holly	Ilex vomitoria	10 - 12' height	Limbed to 4' height, multistemmed
<b>Shrubs</b>					
BDR	91	Belinda's Dream Rose	Rosa x 'Belinda's Dream'	5 Gal.	4'-0" o.c.
DBH	297	Dwarf Burford Holly	Ilex cornuta 'Burfordii Nana'	5 Gal.	3'o.c.
MDR	39	Marie Daly Rose	Rosa x polyantha 'Marie Daly'	5 Gal.	4'-0" o.c.
<b>Groundcover &amp; Vines</b>					
AJ	4059	Asian Jasmine	Trachelospermum asiaticum	1 Gal.	12" o.c.
C	92	Crossvine	Bignonia capreolata 'Tangerine Beauty'	5 Gal.	
DMG	54200	Dwarf Mondo Grass	Ophiopogon japonicum 'nana'	4" Pot	6" o.c.
L	1030	Liriope	Liriope spicata	1 Gal.	12" o.c.
LBR	26	Lady Bank's Rose	Rosa banksia	3 Gal.	
<b>Grasses</b>					
CG		Common Bermudagrass	Cynodon dactylon	Hydroseeded	
YJG	80	Yaku Jima Dwarf Maiden Grass	Miscanthus sinensis 'Yaku Jima'	3 Gal.	3'-6" o.c.

NOTE: 1. ALL PLANT MATERIALS SHALL BE CONTAINER GROWN.  
2. IN THE EVENT OF A QUANTITY DISCREPANCY BETWEEN THE PLANS AND THE PLANT LIST, THE GREATER QUANTITY SHALL PREVAIL.

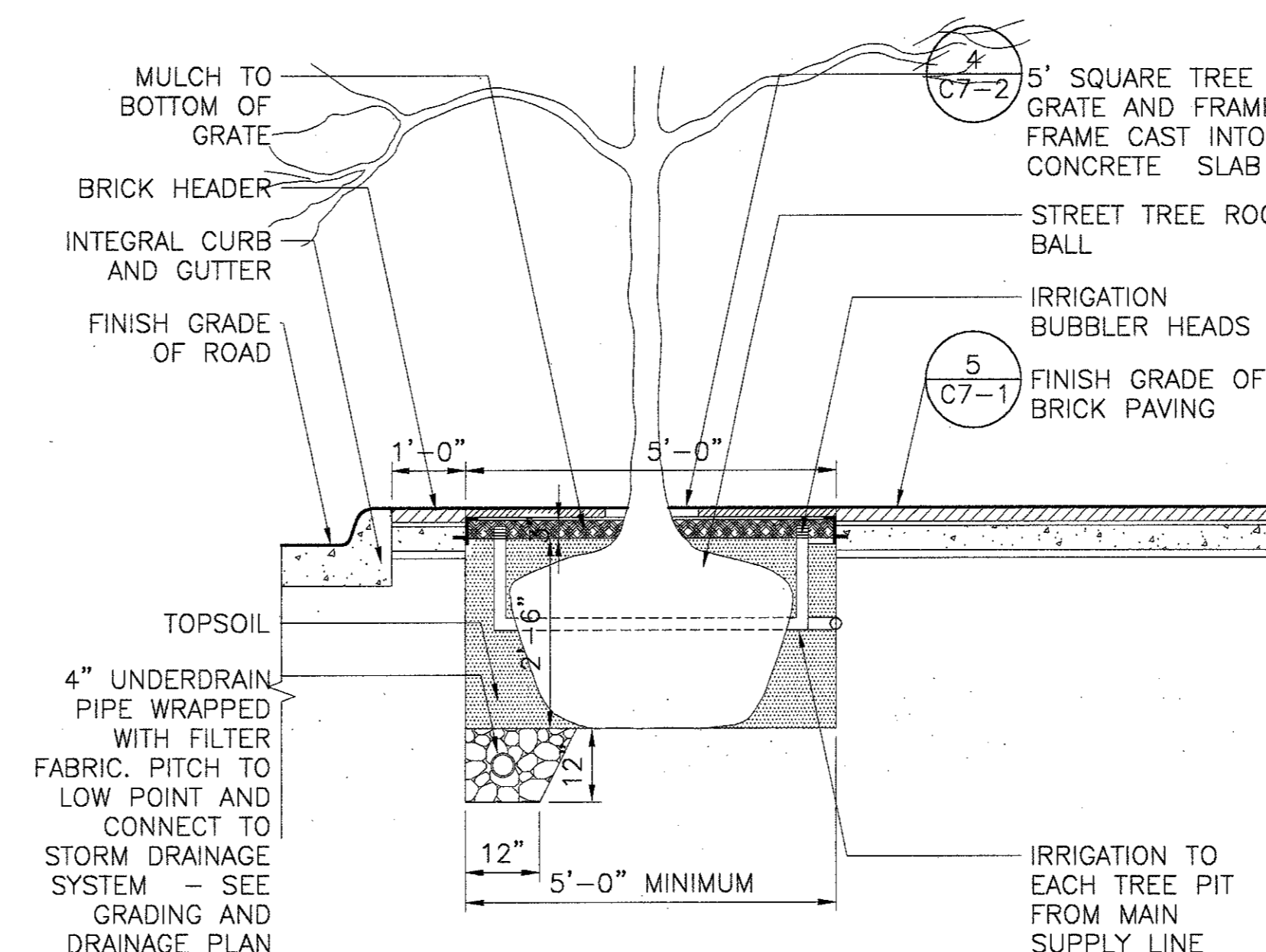


**7 TYPICAL PLANT BED UNDERDRAIN SECTION**  
SCALE: 1/2" = 1'-0"

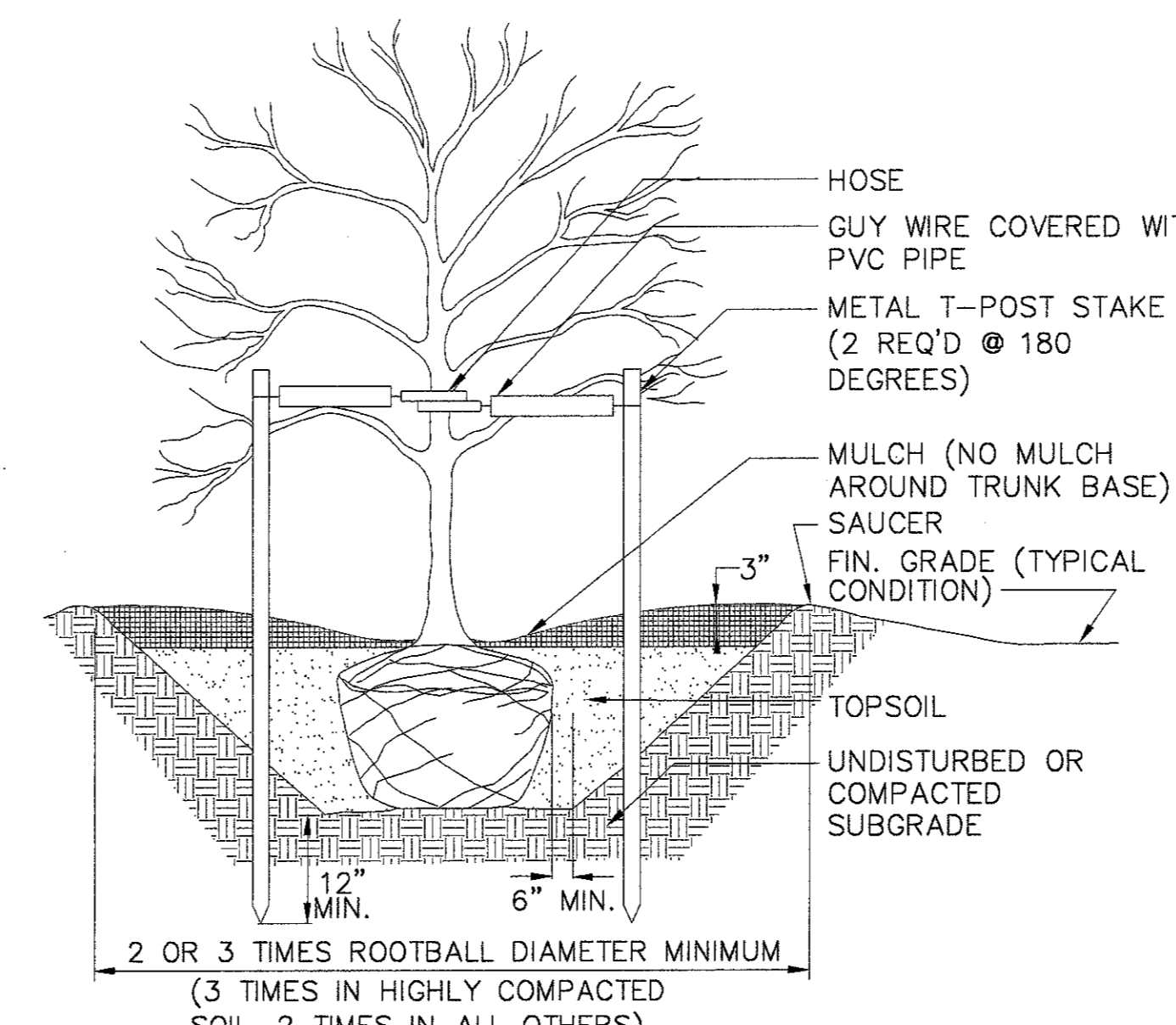


PLANT SPACING ('A')	ROW SPACING ('B')
6 IN. O.C.	5 IN. O.C.
8 IN. O.C.	7 IN. O.C.
10 IN. O.C.	8-1/2 IN. O.C.
12 IN. O.C.	10-1/2 IN. O.C.
15 IN. O.C.	13 IN. O.C.
18 IN. O.C.	16 IN. O.C.
24 IN. O.C.	21 IN. O.C.
30 IN. O.C.	26 IN. O.C.
36 IN. O.C.	30 IN. O.C.
48 IN. O.C.	42 IN. O.C.
54 IN. O.C.	48 IN. O.C.
60 IN. O.C.	54 IN. O.C.

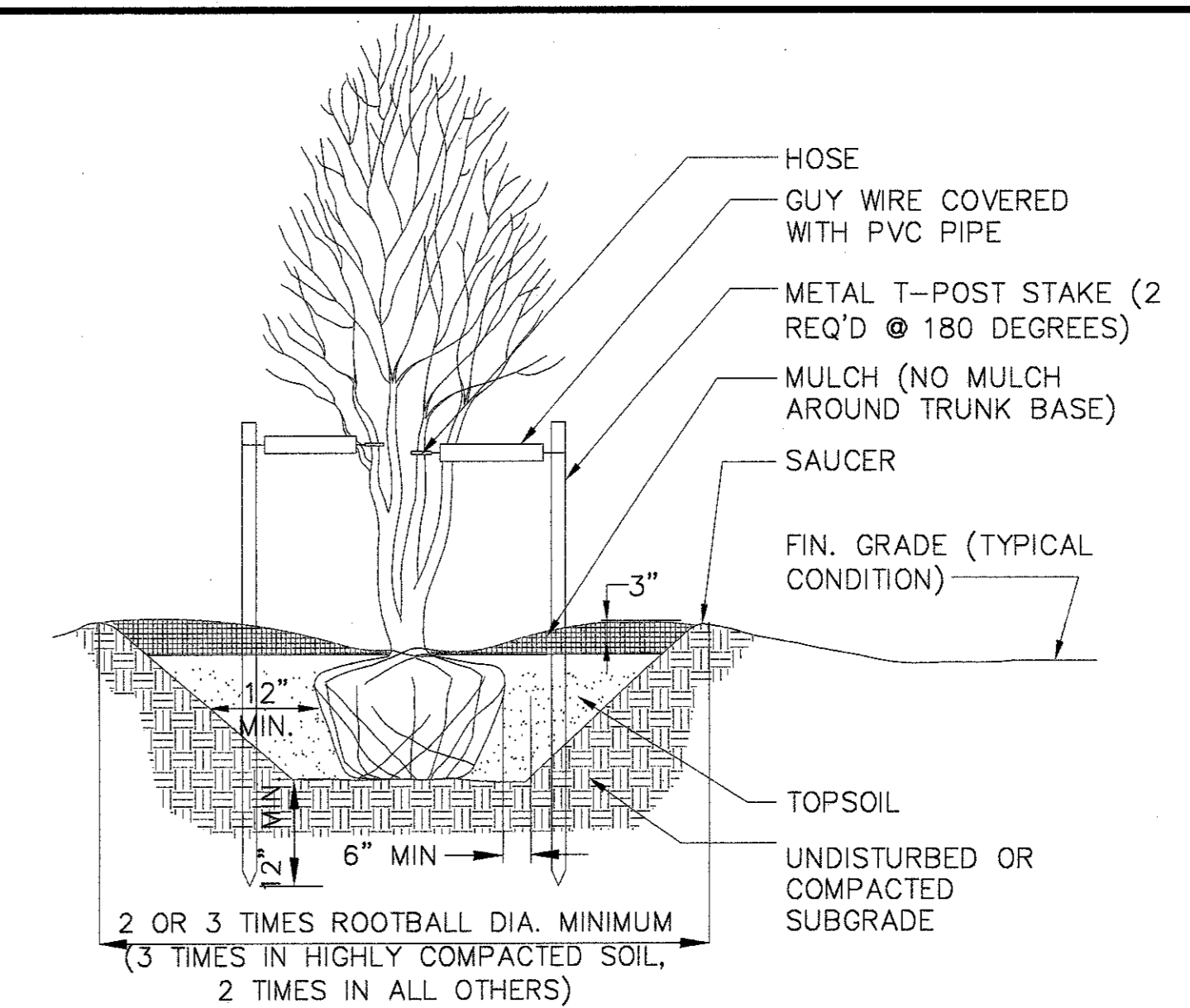
**6 GROUND COVER AND SHRUB SPACING CHART**  
SCALE: N.T.S.



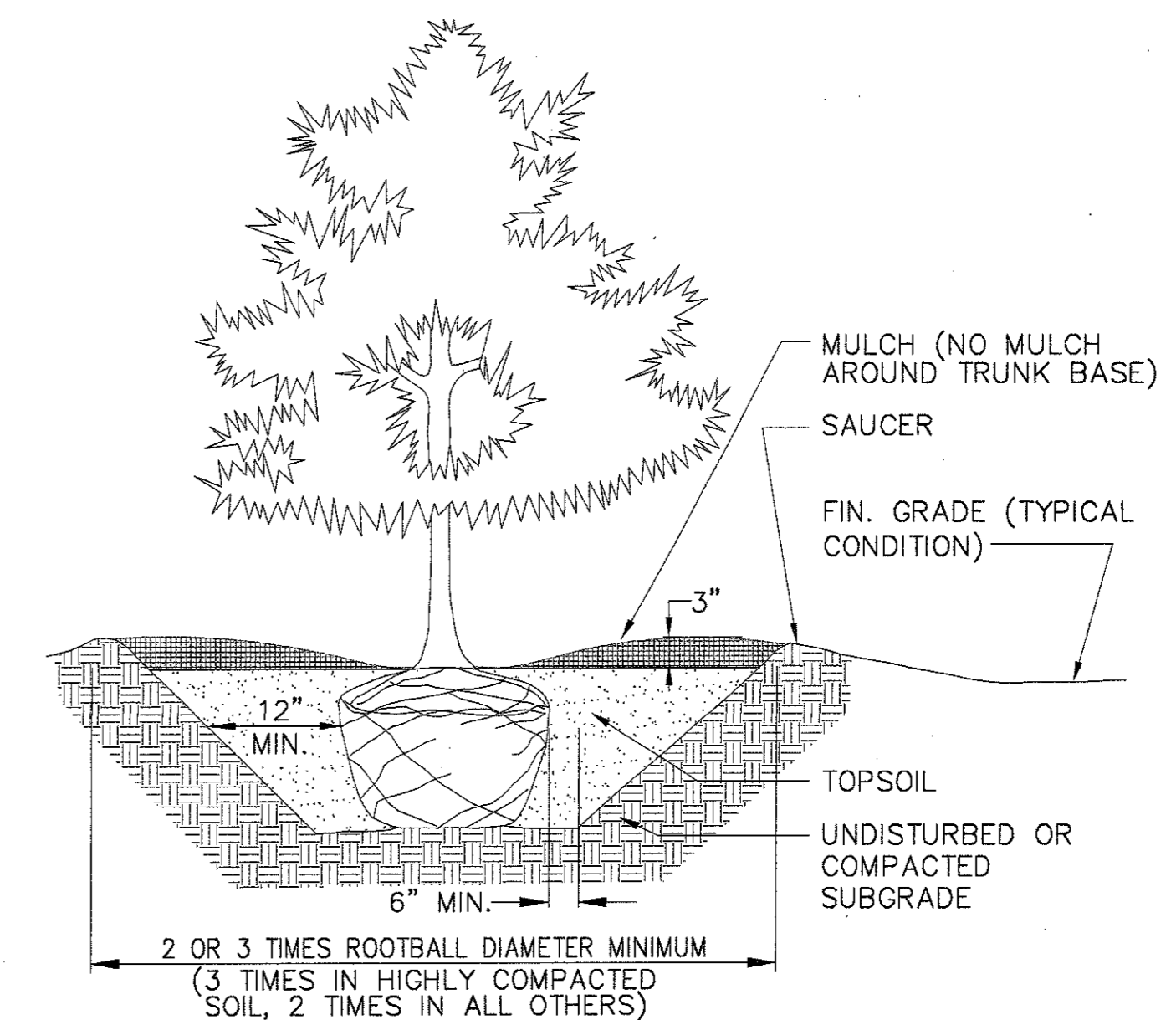
**5 STREET TREE PLANTING PIT**  
SCALE: 1/2" = 1'-0"



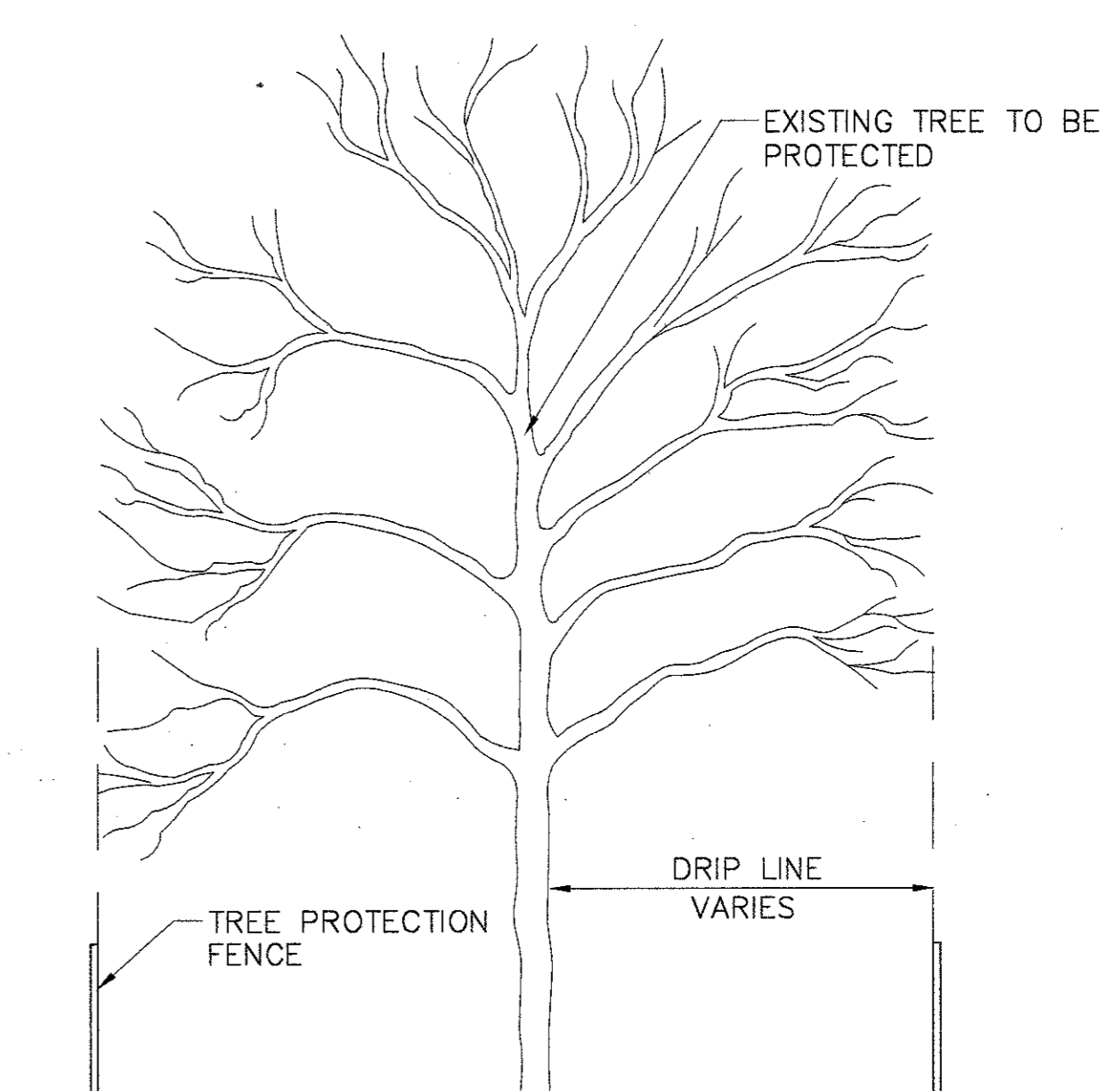
**4 DECIDUOUS TREE PLANTING- STAKED**  
N.T.S.



**3 MULTISTEMMED TREE PLANTING**  
N.T.S.



**2 CONIFEROUS TREE PLANTING**  
N.T.S.



**1 TREE PROTECTION FENCING DETAIL**  
SCALE: 1/4" = 1'-0"

▲	BULLETIN #1	12-30-02
▲	ISSUED FOR CONSTRUCTION	11-26-02
▲	ADDENDUM #2	10-21-02
▲	ISSUED FOR CONSTRUCTION	09-30-02
No.	Description	Date

DWG ISSUE & REVISION HISTORY

Stamp

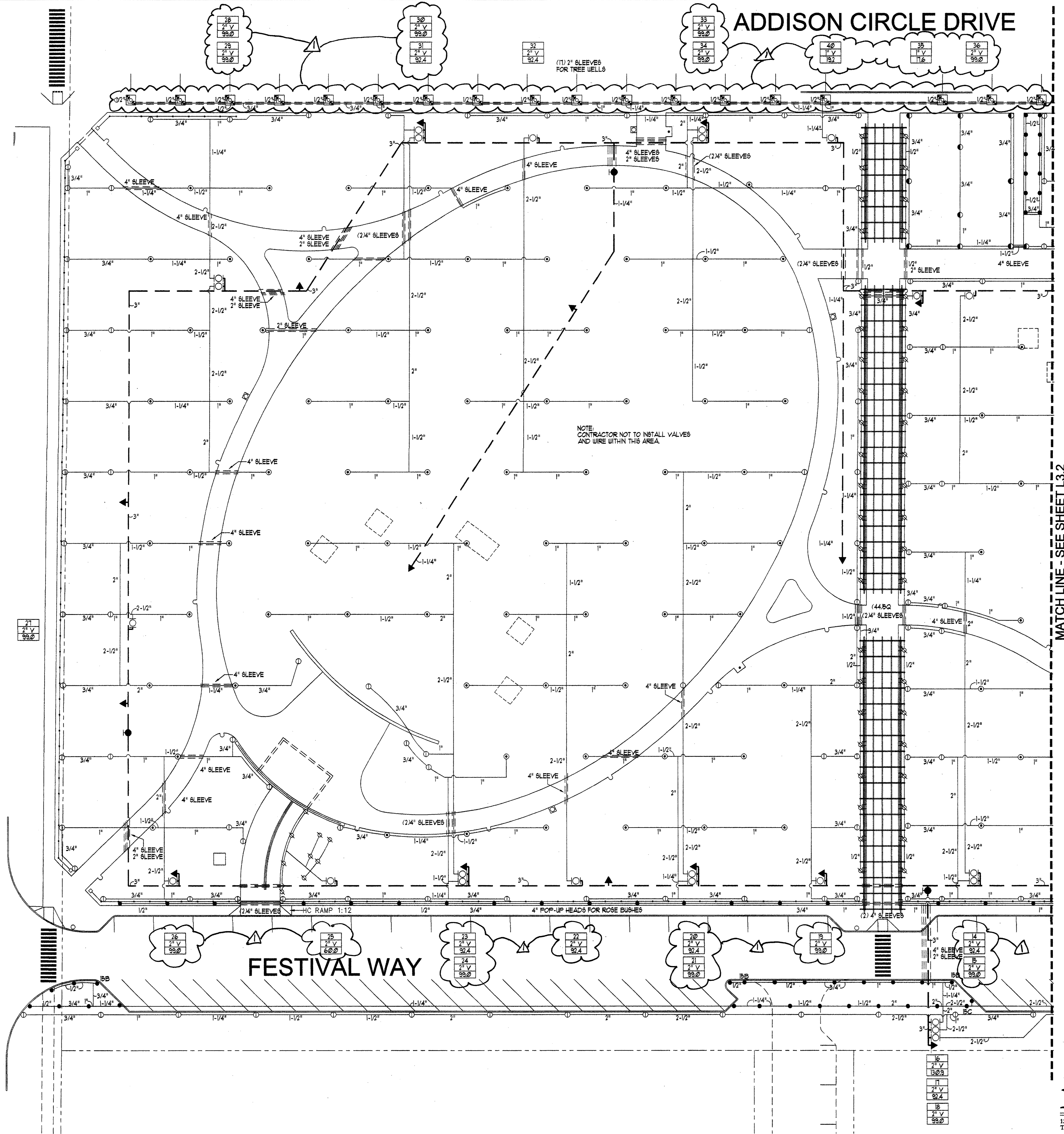


Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
ADDISON, TEXAS

Drawing Title:  
**PLANTING**  
DETAILS AND  
PLANT LIST

Project No. 14516.00 Scale: AS NOTED  
Drawn By: CB  
Checked By: DC  
Approved By: MOD  
Date: September 30, 2002

Drawing No. **L2-1**



**ADDISON CIRCLE DRIVE**

**ADDISON ROAD**

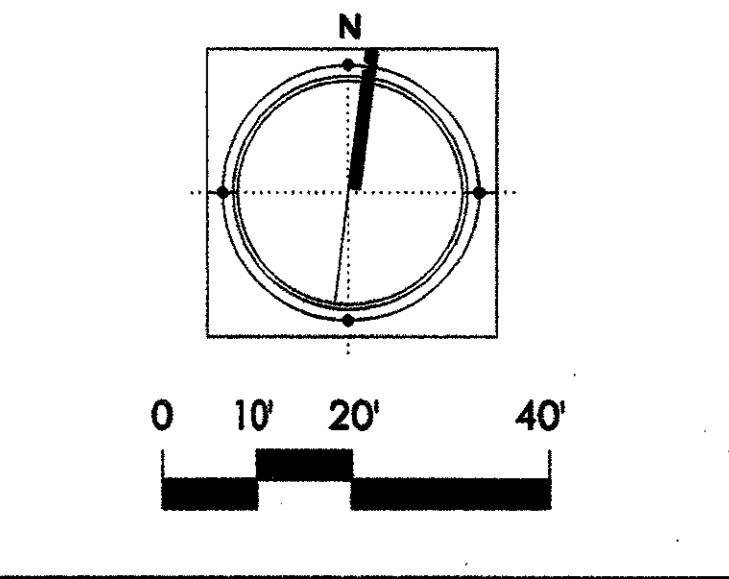
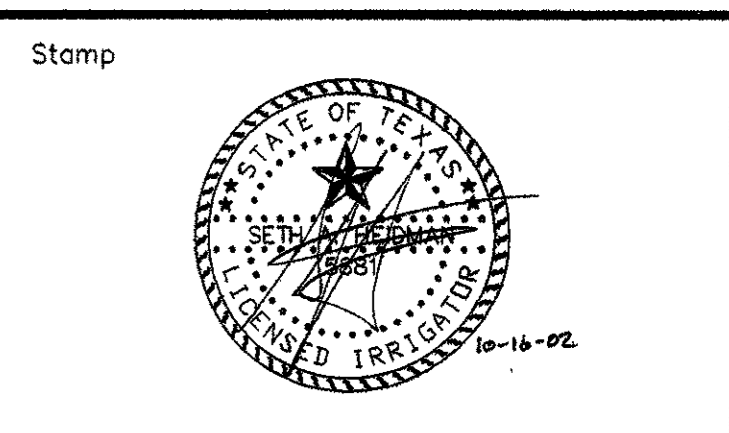
**FESTIVAL WAY**

MATCH LINE - SEE SHEET L3.2

NOTE  
CONTRACTOR NOT TO INSTALL VALVES  
AND WIRE WITHIN THIS AREA.

**SASAKI**  
Interdisciplinary Design  
64 Pleasant Street, Watertown, Massachusetts 02472 USA  
t 617 928 3300 f 617 924 2748 www.sasaki.com

ADDENDUM 2	10-21-02
ISSUED FOR CONSTRUCTION	09-30-02
No. Description	Date



Project Title:

**ADDISON ARTS & EVENTS DISTRICT**  
ADDISON, TEXAS

Drawing Title:

**IRRIGATION PLAN**

Project No. 14516.00 Scale: 1"=20'-0"  
 Drawn By: SAH  
 Checked By: SAH  
 Approved By: SAH  
 Date: September 30, 2002

Drawing No. **L3-1**

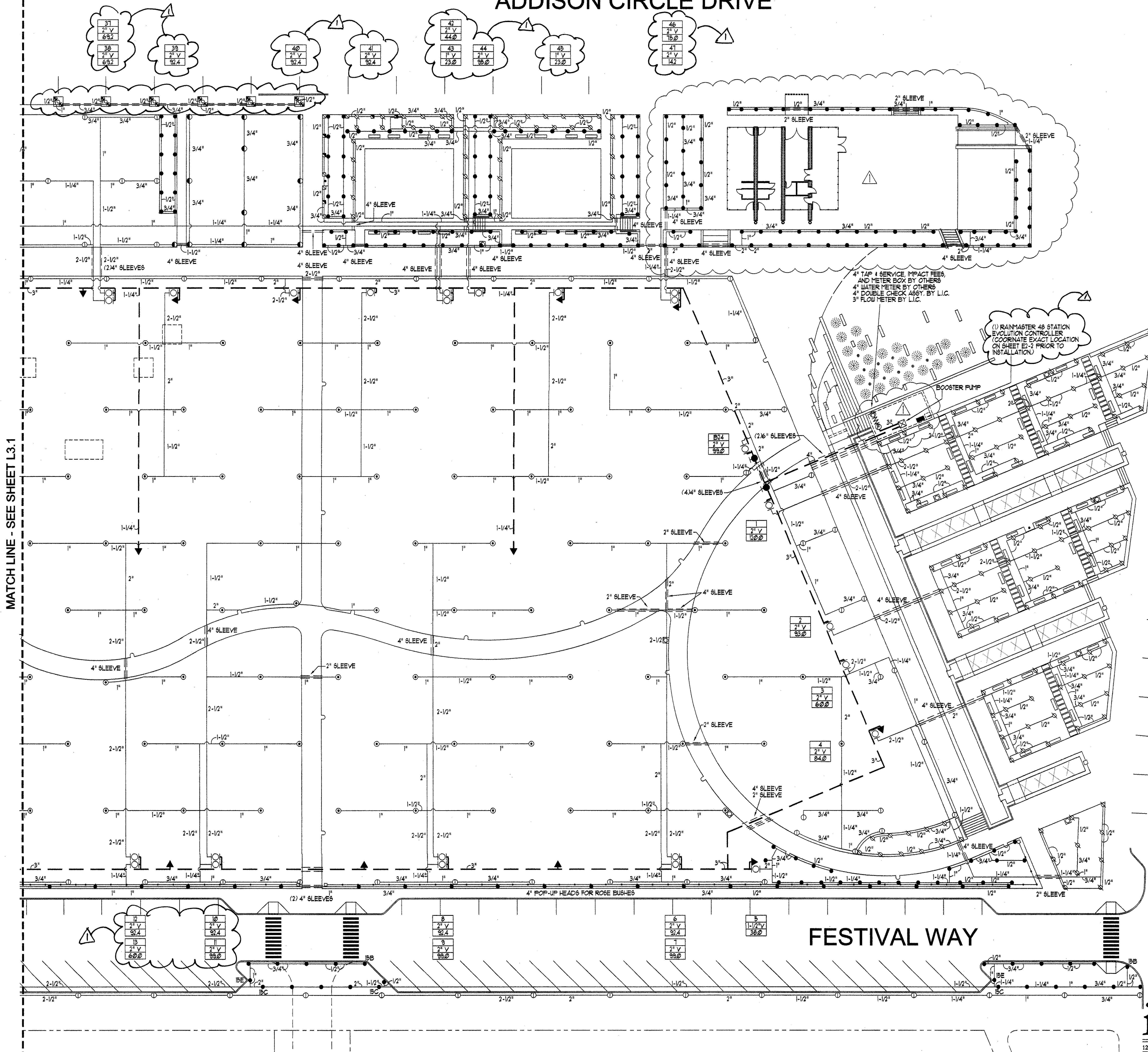
**itc** IRRI\*TECH CORPORATION  
 12650 SCHROEDER RD. DALLAS, TEXAS 75243  
 TEL: (972) 231-5151 FAX: (972) 231-5172



# ADDISON CIRCLE DRIVE

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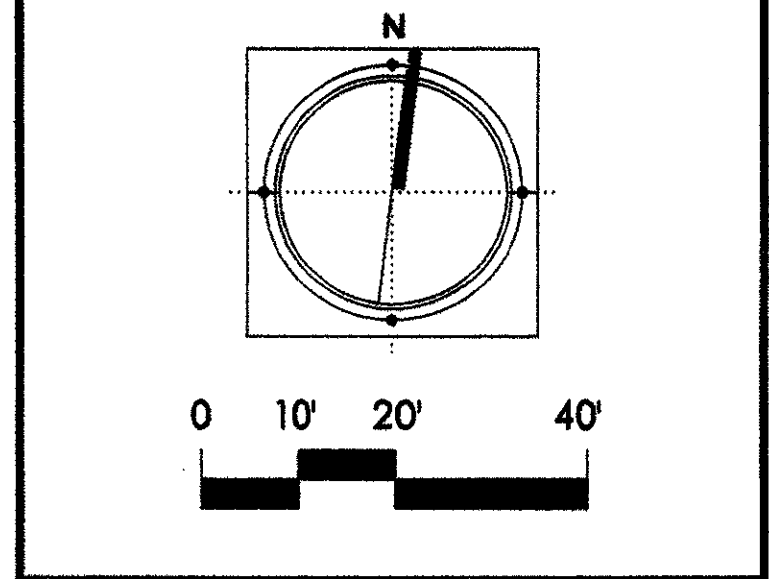
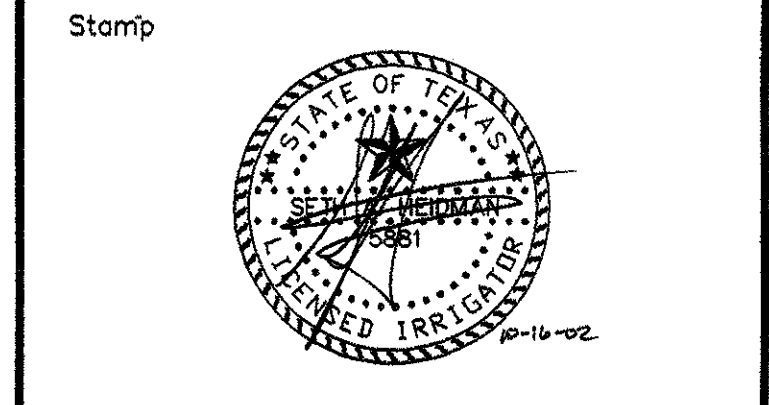


MATCH LINE - SEE SHEET L3.1

QUORUM ROAD

FESTIVAL WAY

ADDENDUM 2	10-21-02
ISSUED FOR CONSTRUCTION	09-30-02
No. Description	Date
DWG ISSUE & REVISION HISTORY	



Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
ADDISON, TEXAS

Drawing Title:  
**IRRIGATION PLAN**

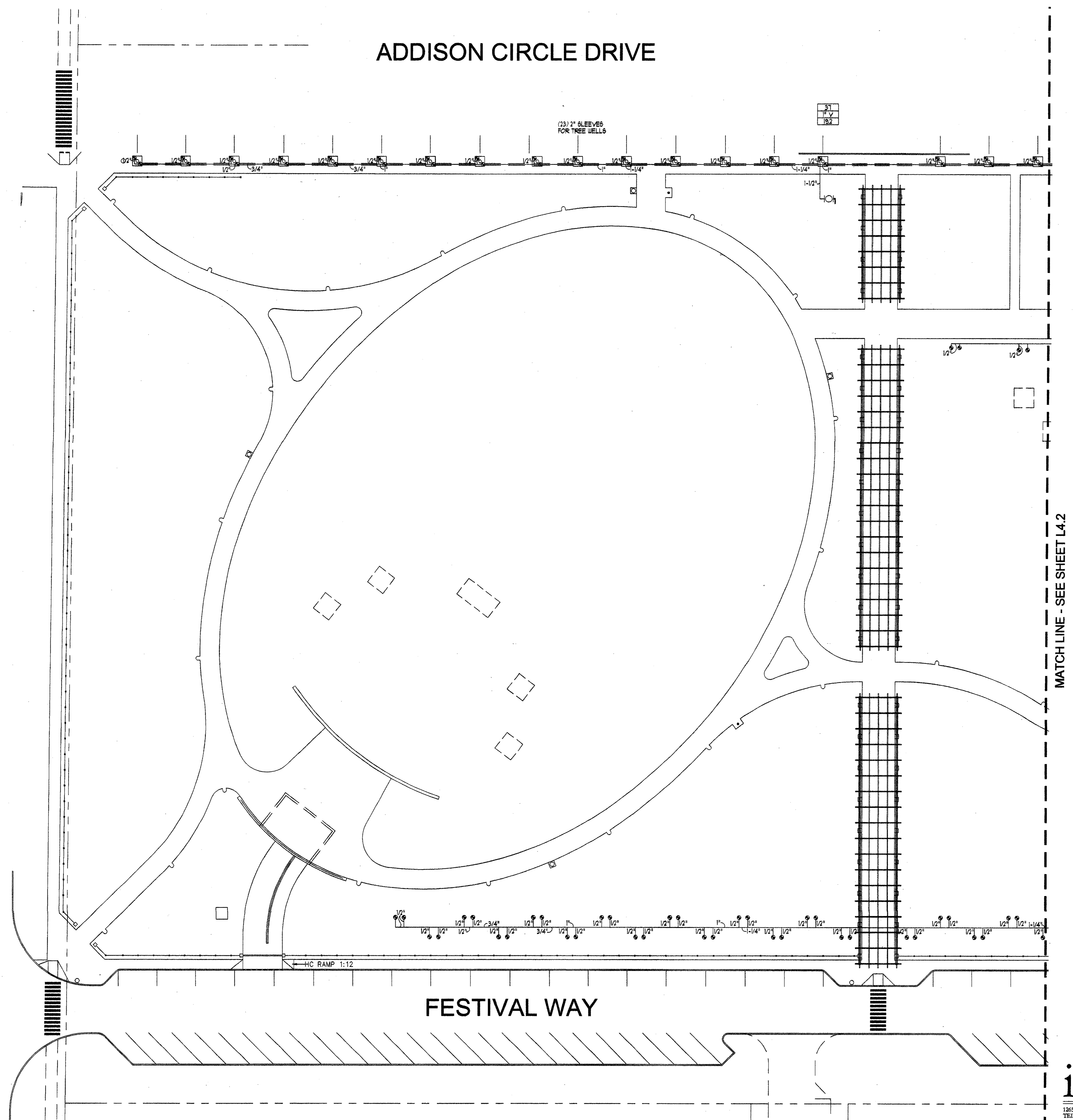
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Checked By: SAH  
Approved By: SAH  
Date: September 30, 2002

Drawing No. **L3-2**

**itc** IRRI\*TECH CORPORATION  
12650 SCHROEDER RD. DALLAS, TEXAS 75243  
TEL: (972) 251-5151 FAX: (972) 251-5172

# ADDISON CIRCLE DRIVE

ADDISON ROAD

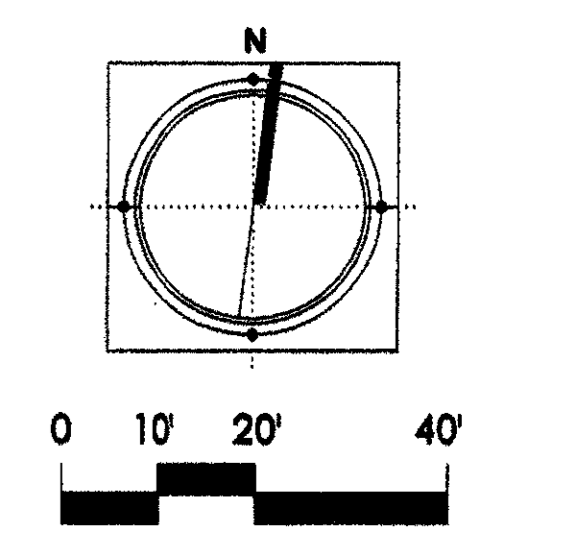
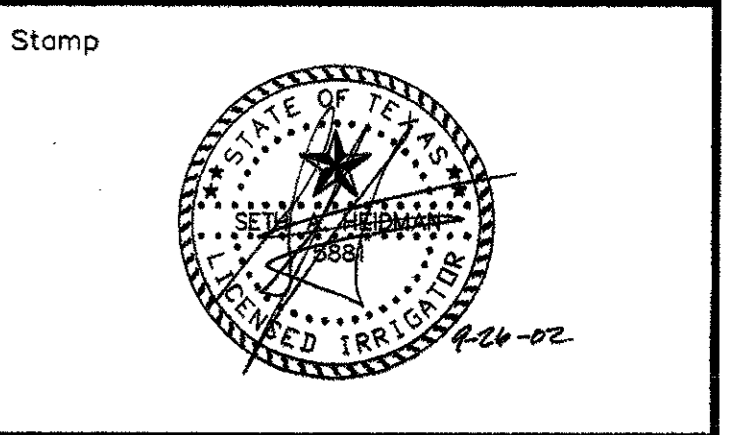


FESTIVAL WAY

MATCH LINE - SEE SHEET L4.2

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*Interdisciplinary Design*  
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ISSUED FOR CONSTRUCTION	09-30-02	
No.	Description	Date
DWG ISSUE & REVISION HISTORY		



Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

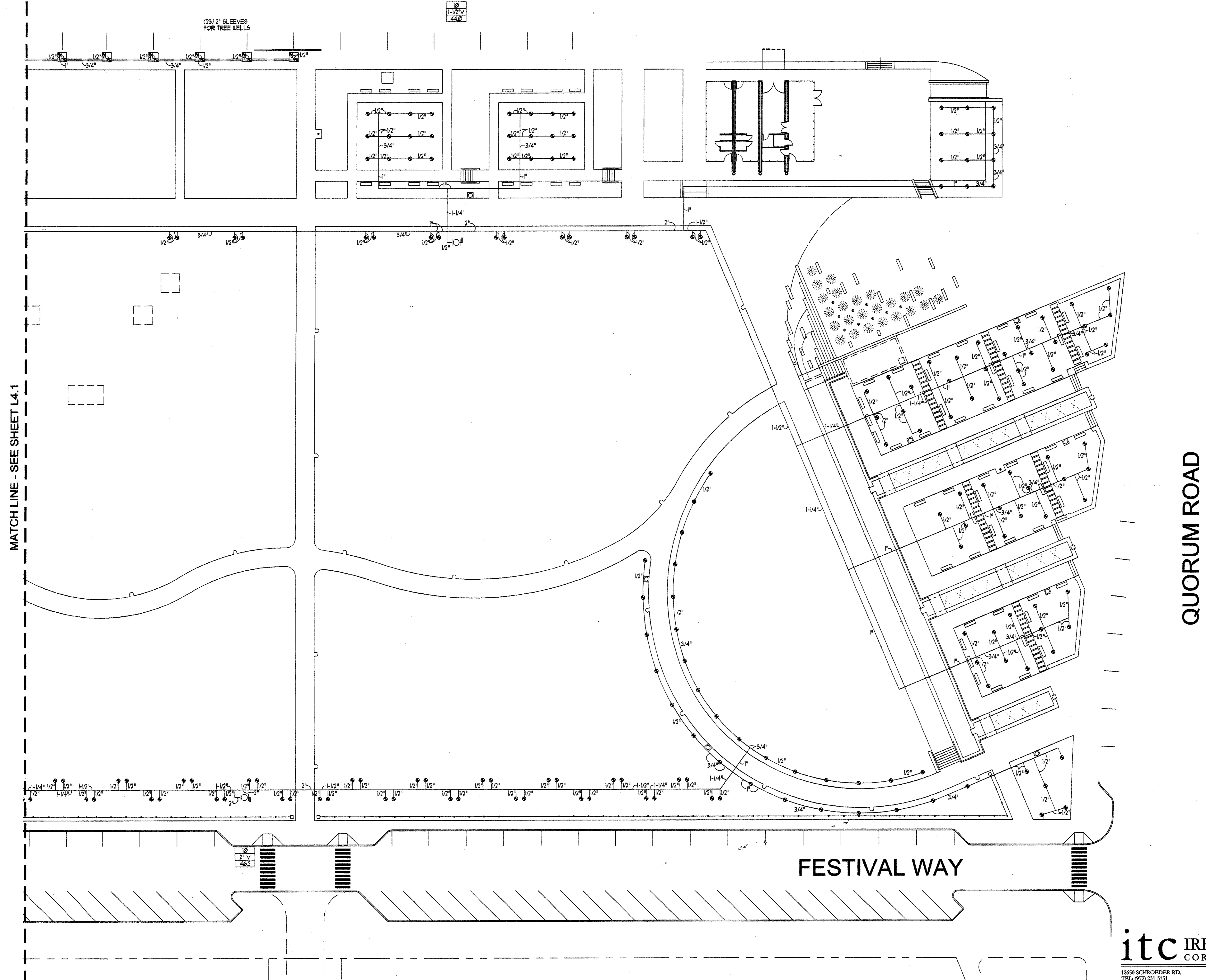
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**IRRIGATION BUBBLERS**

Project No. 14516.00 Scale: 1"=20'-0"  
 Drawn By: SAH  
 Checked By: SAH  
 Approved By: SAH  
 Date: September 30, 2002

Drawing No. **L4-1**

**itc** IRRI\*TECH CORPORATION  
 12650 SCHROEDER RD. DALLAS, TEXAS 75243  
 TEL: (972) 231-5151 FAX: (972) 231-5172

# ADDISON CIRCLE DRIVE



MATCH LINE - SEE SHEET L4.1

QUORUM ROAD

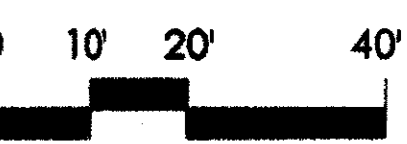
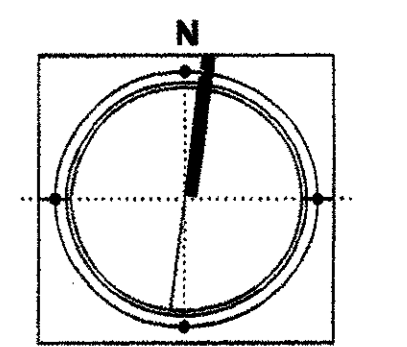
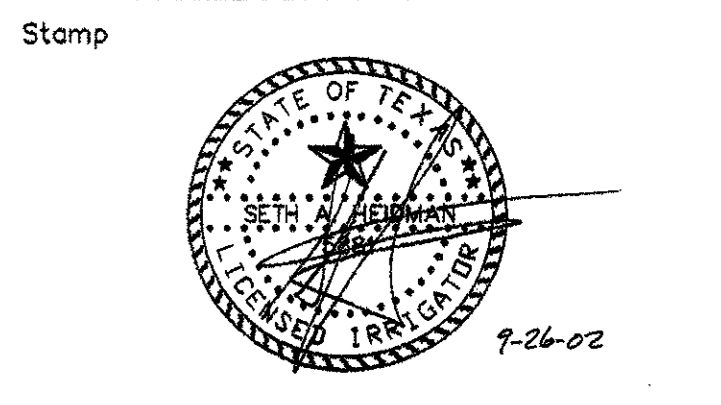
FESTIVAL WAY

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ISSUED FOR CONSTRUCTION	09-30-02
No. Description	Date
DWG ISSUE & REVISION HISTORY	



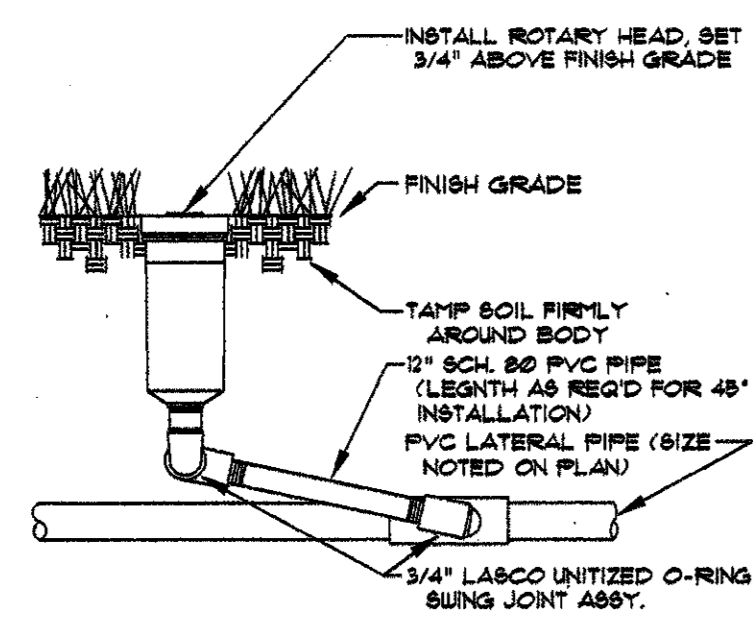
Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

Drawing Title:  
**IRRIGATION BUBBLERS**

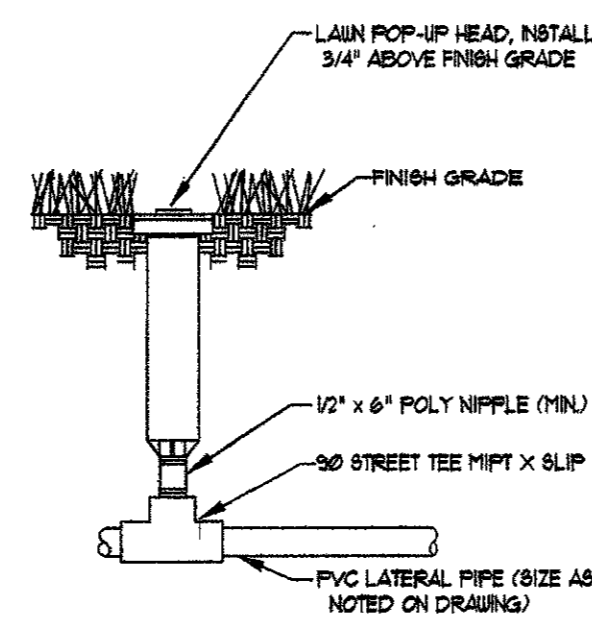
Project No. 14516.00 Scale: 1"=20'-0"  
 Drawn By: SAH  
 Checked By: SAH  
 Approved By: SAH  
 Date: September 30, 2002

Drawing No. **L4-2**

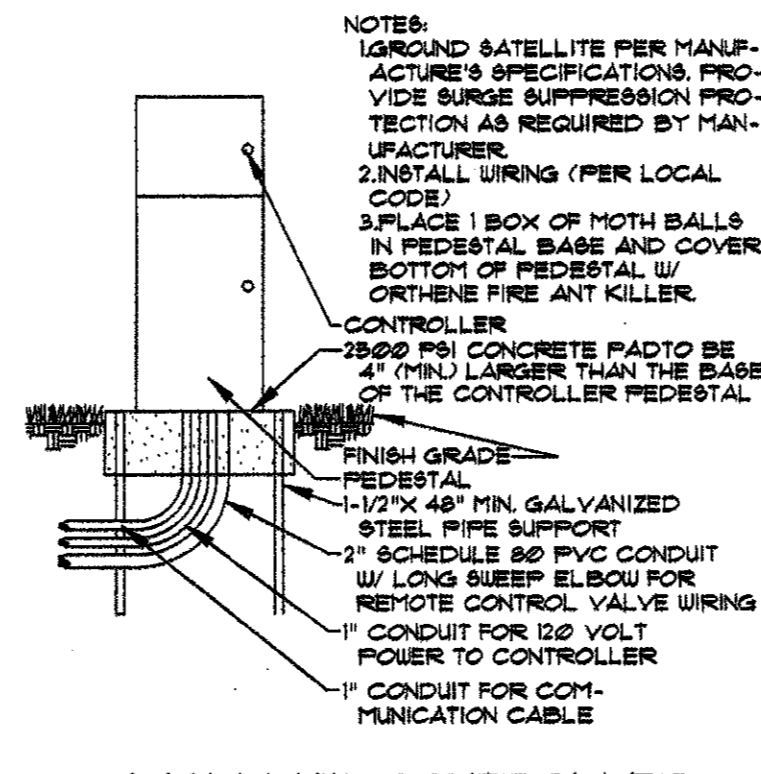
**itc** IRRI\*TECH CORPORATION  
 12650 SCHRÖDER RD. DALLAS, TEXAS 75243  
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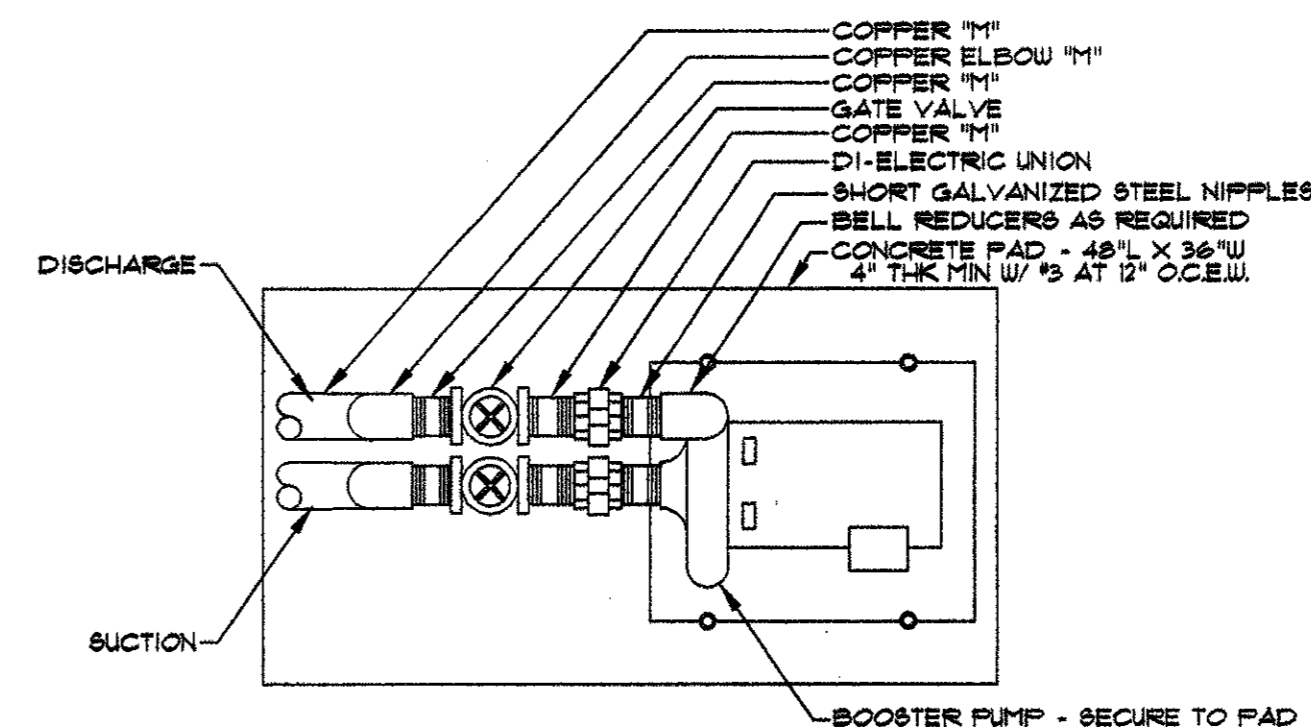
**ROTARY HEAD**  
 1/2" TO SCALE 02-10



**LAWN SPRAY HEAD**  
 1/2" TO SCALE 02-10

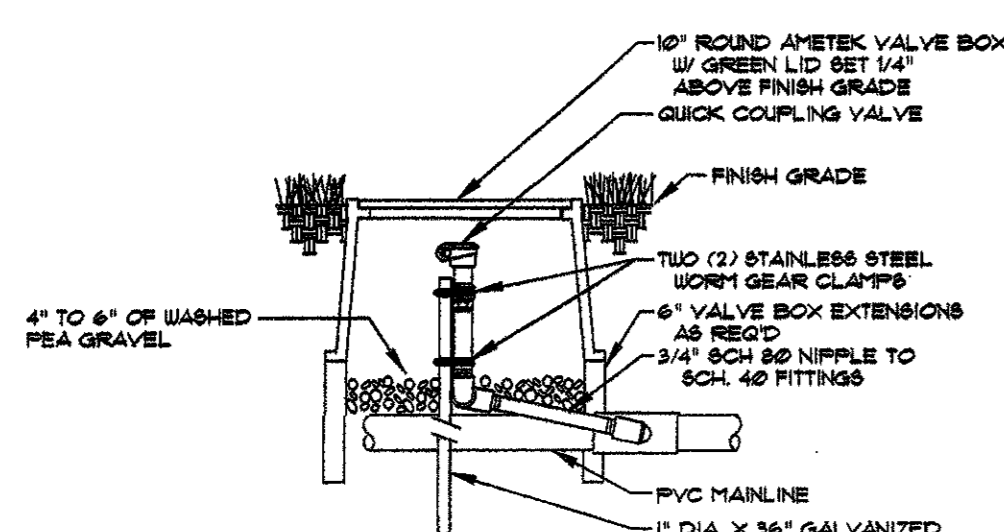


**SATELLITE CONTROLLER w/ PEDESTAL**  
 1/2" TO SCALE 02-10

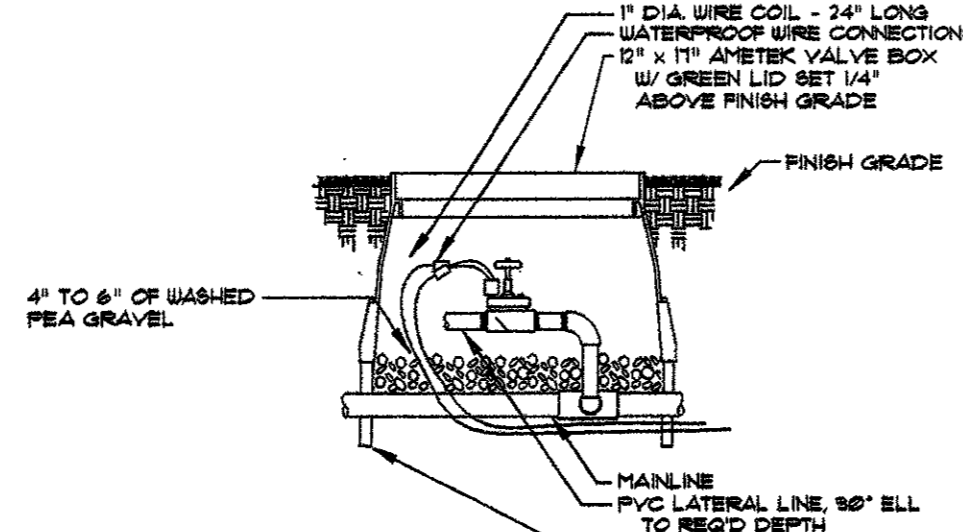


**BOOSTER PUMP**  
 1/2" TO SCALE 02-10

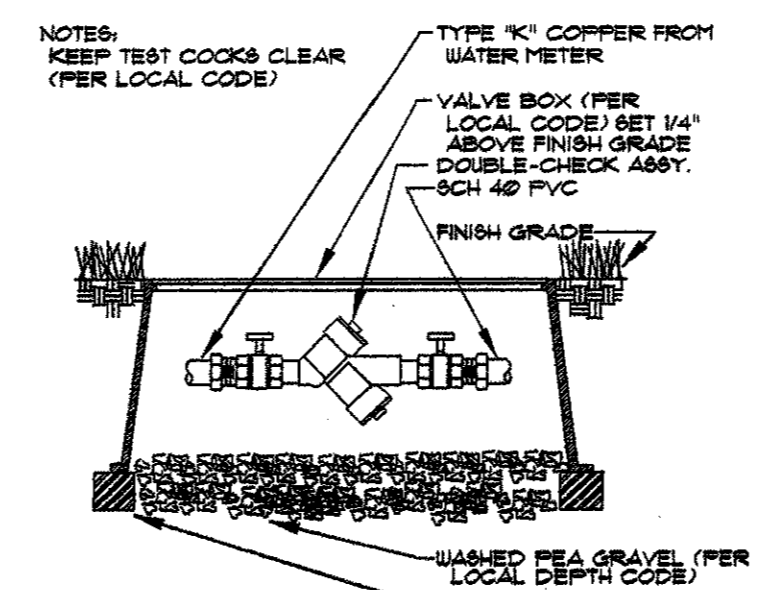
- NOTES:**
1. INSTALL BOOSTER PUMP - BERKELEY END SUCTION CENTRIFUGAL 1/2HP, THREE PHASE 208 VOLT 3450 RPM, 0.00 MOTOR. FOR INFORMATION CONTACT TEXAS PUMP AND SUPPLY COMPANY, 10160 SHADY TRAIL, SUITE 300, DALLAS, TEXAS 75226 (214)991-1041.
  2. ALL PIPING ABOVE GRADE AND WITHIN 48" OF PUMP PAD TO BE COPPER TYPE M1.
  3. INSTALL 1/2" TEE ON DISCHARGE LINE APPROXIMATELY 24" HIGH IN THE SLAB FOR FLOW SWITCH PER MANUFACTURER'S RECOMMENDATION. DO NOT USE REDUCER BUSHINGS.
  4. INSTALL WATTS FLOW SWITCH F820 IN THIS TEE AND WIRE TO 280P-24-24-TD-CPT SPRINKLER PACK. INSTALL IN 1/2" x 1/2" VALVE BOX.
  5. INSTALL IEC SPRINKLER PACK IN A NEMA ENCLOSURE. INSTALL FLOW SWITCH AND PUMP STARTER ON AUTOMATIC CONTROLLER TO BE WIRED IN SERIES.
  6. INSTALL THE WELDED STEEL HOUSING WITH BASE COAT OF GRAY PAINT AND FINISH COAT OF BLACK PAINT. HOUSING SHALL BE 24" X 24" X 24" WITH FOUR VENTS. (TEXAS PUMP)
  7. PROVIDE HEAT TAPE AROUND EXPOSED PIPING AND PUMP HEAD. COVER PIPE AND HEAT TAPE WITH FIBERGLASS INSULATION WITH FOIL SIDE OUT. SECURE WITH FOIL TAPE.



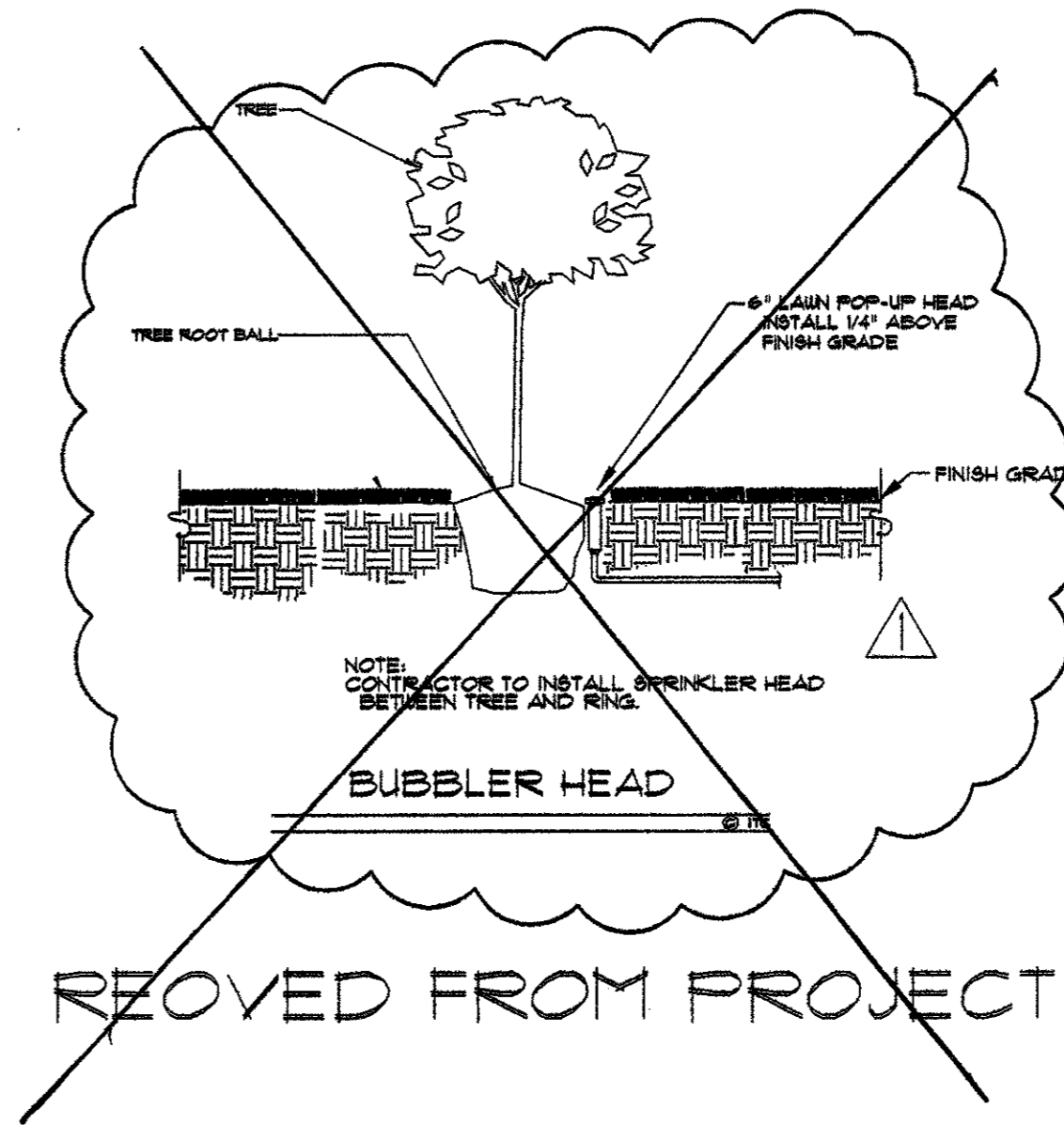
**QUICK COUPLING VALVE**  
 1/2" TO SCALE 02-10



**REMOTE CONTROL VALVE**  
 1/2" TO SCALE 02-10

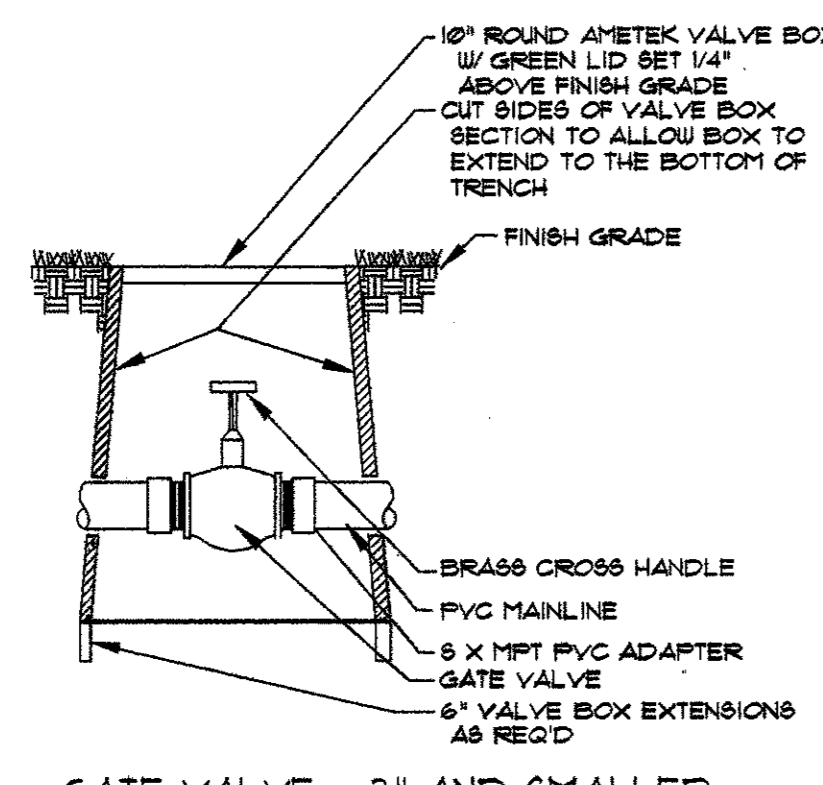


**BACKFLOW PREVENTER**  
 1/2" TO SCALE 02-10

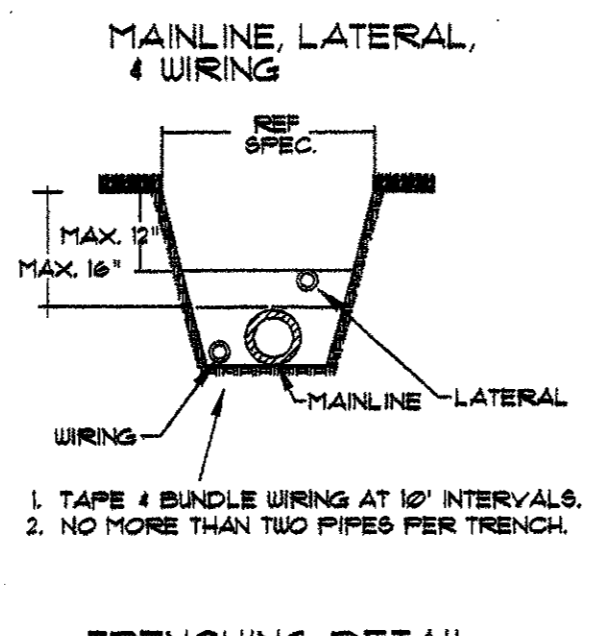


**BUBBLER HEAD**  
 1/2" TO SCALE 02-10

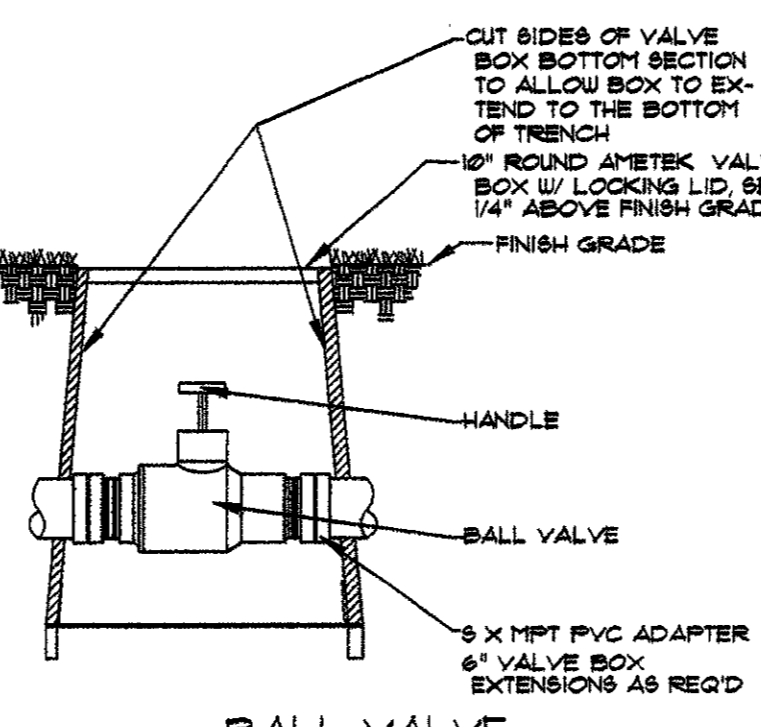
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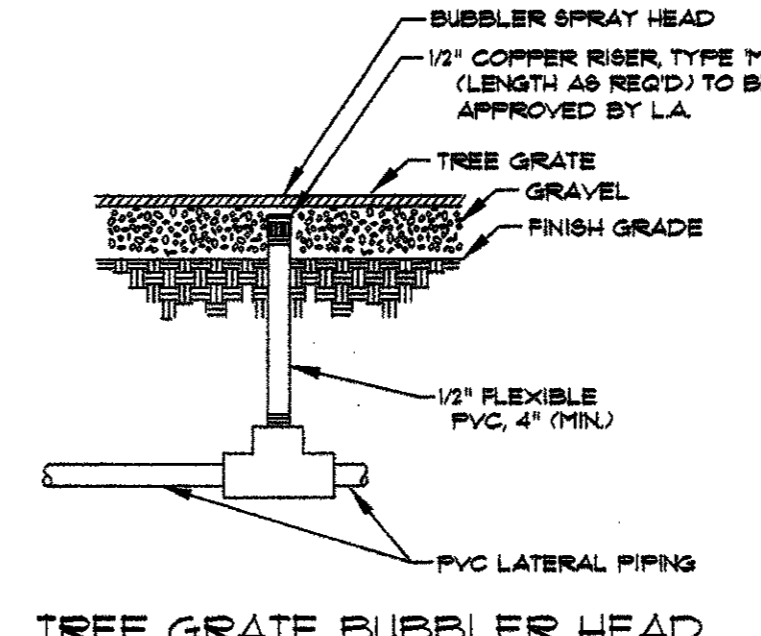
**GATE VALVE - 3" AND SMALLER**  
 1/2" TO SCALE 02-10



**TRENCHING DETAIL**  
 1/2" TO SCALE 02-10



**BALL VALVE**  
 1/2" TO SCALE 02-10



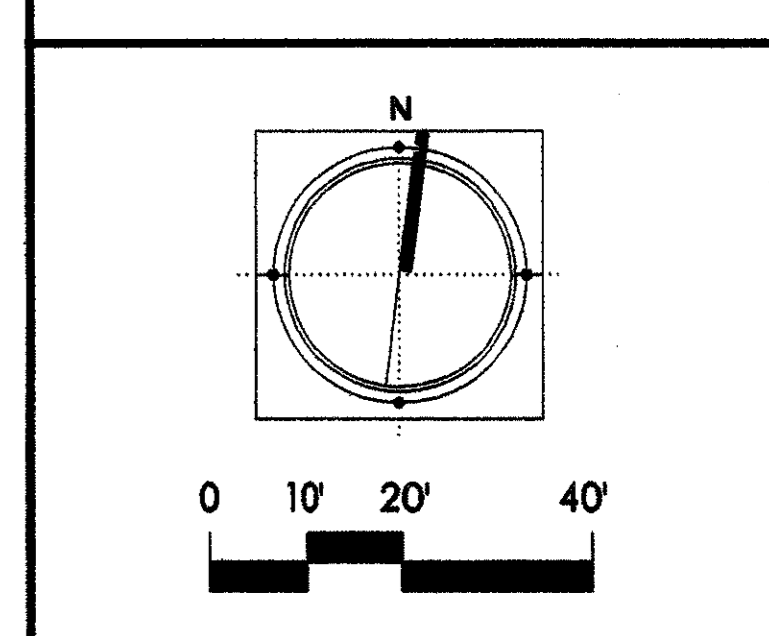
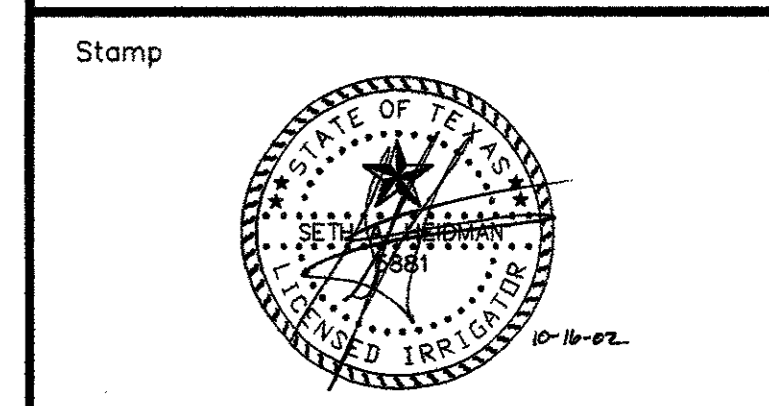
**TREE GRATE BUBBLER HEAD**  
 1/2" TO SCALE 02-10

**IRRIGATION LEGEND:**

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL NO.
●	LAWN SPRAY HEAD	TORO	5102-4P SERIES W/ 1/2", 3/4", OR 1/2" UNLESS NOTED OTHERWISE
○	LAWN CENTER STRIP HEAD	TORO	5102-12P SERIES W/ 1/2", 3/4", OR 1/2" UNLESS NOTED OTHERWISE
⊙	TREE GRATE BUBBLER HEAD	TORO	COPPER W/ 80-PC NOZZLE UNLESS NOTED OTHERWISE
⊕	SMALL ROTARY PART-CIRCLE	HUNTER	FGP W/ #1 NOZZLE
⊕	SMALL ROTARY FULL-CIRCLE	HUNTER	FGP W/ #2 NOZZLE
⊕	ROTARY PART-CIRCLE	HUNTER	FGP W/ #2 NOZZLE
⊕	ROTARY FULL-CIRCLE	HUNTER	FGP W/ #2 NOZZLE
⊕	QUICK COUPLING VALVE	WEATHER-MATIC	VE8T AS
⊕	REMOTE CONTROL VALVE	WEATHER-MATIC	110000 SERIES, REFER TO PLAN FOR SIZE
⊕	CONTROLLER	RAINMASTER	EVOLUTION DX-2 STAINLESS STEEL
—	MAINLINE PIPING	REFER TO SPEC.	SCH. 40 PVC
—	LATERAL PIPING	REFER TO SPEC.	SCH. 40 PVC
⊕	BACKFLOW PREVENTER	WATTS	1001 SERIES
⊕	NEW WATER METER	REFER TO SPEC.	PER LOCAL BUILDING CODE
⊕	NEW VALVE	WEATHER-MATIC	110000 SERIES, REFER TO PLAN FOR SIZE
⊕	STATION NUMBER		

- NOTES:**
1. ALL 24 VOLT LEAD AND COMMON VALVE WIRING SHALL BE A MINIMUM OF 14 GA. SINGLE CONDUCTOR. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR PROPER WIRE SIZE. WIRE SPLICES SHALL BE PERMANENT AND WATERPROOF.
  2. COORDINATE INSTALLATION OF IRRIGATION SYSTEM WITH LANDSCAPE CONTRACTOR TO ENSURE ALL PLANT MATERIAL WILL BE WATERED IN ACCORDANCE WITH THE INTENT OF THE PLANS AND SPECIFICATIONS.
  3. LATERAL PIPING SHALL HAVE A MINIMUM OF 12" OF COVER. MAINLINE AND PIPING UNDER PAVING SHALL HAVE A MAXIMUM OF 18" OF COVER.
  4. PIPING AND VALVES IN PAVING SHOWN FOR CLARITY. INSTALL IN ADJACENT PLANTING BED OR LAWN AREA.
  5. CONNECT LAWN SPRAY HEADS TO LATERAL PIPING WITH 1/2" FLEXIBLE PVC AND 1/2" SCH. 40 PVC FITTINGS AS REQUIRED. PER DETAIL SHOWN. USE WELD-ON # 189 BOLTVENT AND # 189 FRIMER ON THESE CONNECTIONS.
  6. INSTALL QUICK COUPLING VALVES ON TEN (10") INCH AMETEK VALVE BOX PER DETAIL SHOWN. CONNECT QUICK COUPLING VALVES TO MAINLINE PIPE WITH LASCOS "UNITIZED" O-RING SUNG JOINTS PER DETAIL SHOWN. #112-312 SUPPLY OLNER WITH THREE (3) COUPLER KEYS WITH 9/16" HOSE BITE, #32DK AND #0 RESPECTIVELY.
  7. INSTALL REMOTE CONTROL VALVES IN TEN (10") INCH AMETEK VALVE BOXES PER DETAIL SHOWN.
  8. PERFORM ELECTRICAL WORK IN ACCORDANCE WITH LOCAL BUILDING CODE. POWER (120V) SHALL BE LOCATED IN A JUNCTION BOX WITHIN FIVE (5') FEET OF CONTROLLER LOCATION BY OTHER TRADES.
  9. ROUTE COMMON WIRE FROM CONTROLLER TO REMOTE SENSORS IN SERIES PRIOR TO CONNECTING TO REMOTE CONTROL VALVES.
  10. THE BOOSTER PUMP SHOULD PROVIDE 80.0 TO 85.0 PSI ON THE DISCHARGE SIDE. THE DESIGN PRESSURE IS 10.0 PSI.
  11. PLANS ARE DIAGRAMMATIC AND FIELD ADJUSTMENTS MAY BE NECESSARY. PRIOR TO TRENCHING, HEAD LAYOUT WITH FLAGS NEEDS TO BE DONE AND LOCATIONS APPROVED BY TOWN'S REP.
  12. I.L.C. TO PROVIDE ALL NECESSARY HARDWARE AND LABOR FOR INSTALLATION OF IRRIGATION CONTROLLER AND REMOTE CONTROL VALVES. REFER TO MATT SWOR WITH LONSHORN FOR QUESTIONS RELATING TO SPECIFIED EQUIPMENT.
  13. TOWN OF ADDISON SPECIFICATIONS SUPERCEDE ANY ALL OTHERS NOTES AND DETAILS.
  14. CONTRACTOR TO HAND DIG IRRIGATION DITCHES WITHIN THE TREE BALL ROOT ZONE.
  15. TWO ZONES ARE REQUIRED TO OPERATE SIMULTANEOUSLY FOR AN ADEQUATE WATER WINDOW.

ADDENDUM 2	10-21-02
ISSUED FOR CONSTRUCTION	09-30-02
No. Description	Date



Project Title:

**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

Drawing Title:

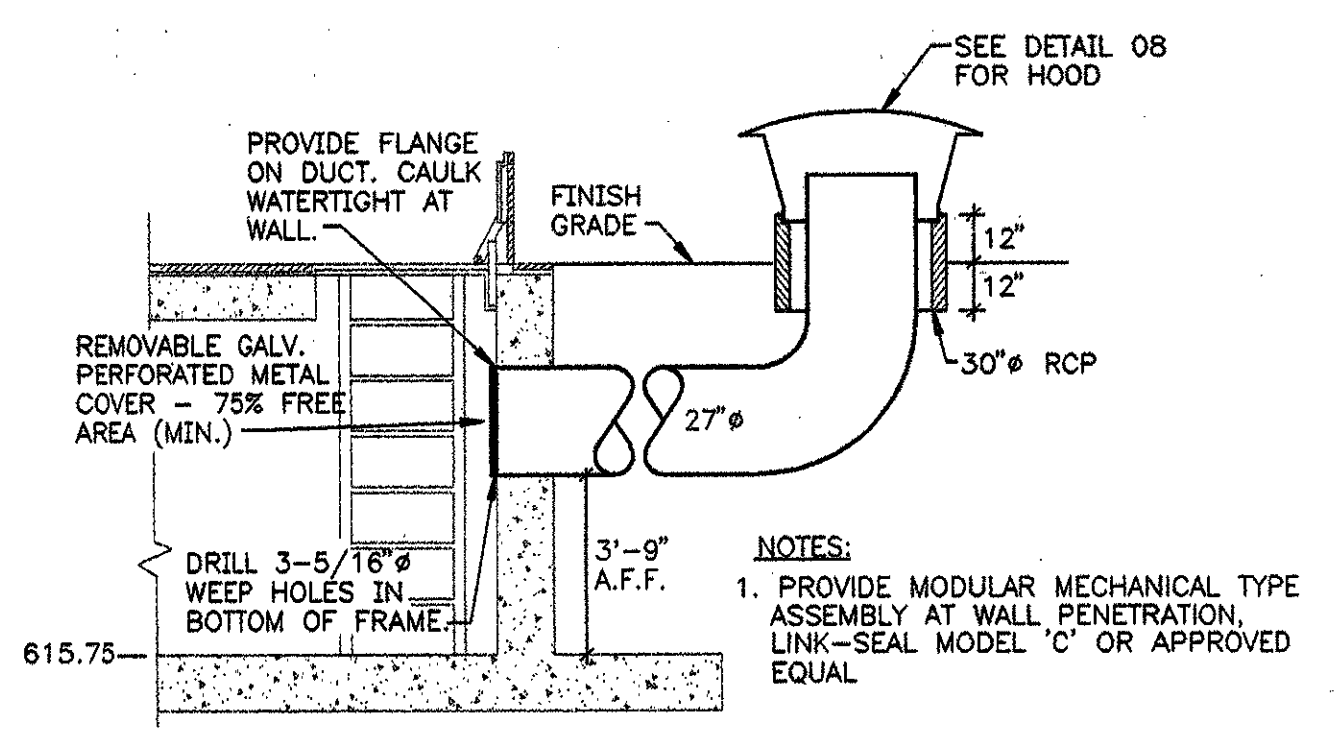
**IRRIGATION DETAILS**

Project No. 14516.00 Scale: 1"=20'-0"

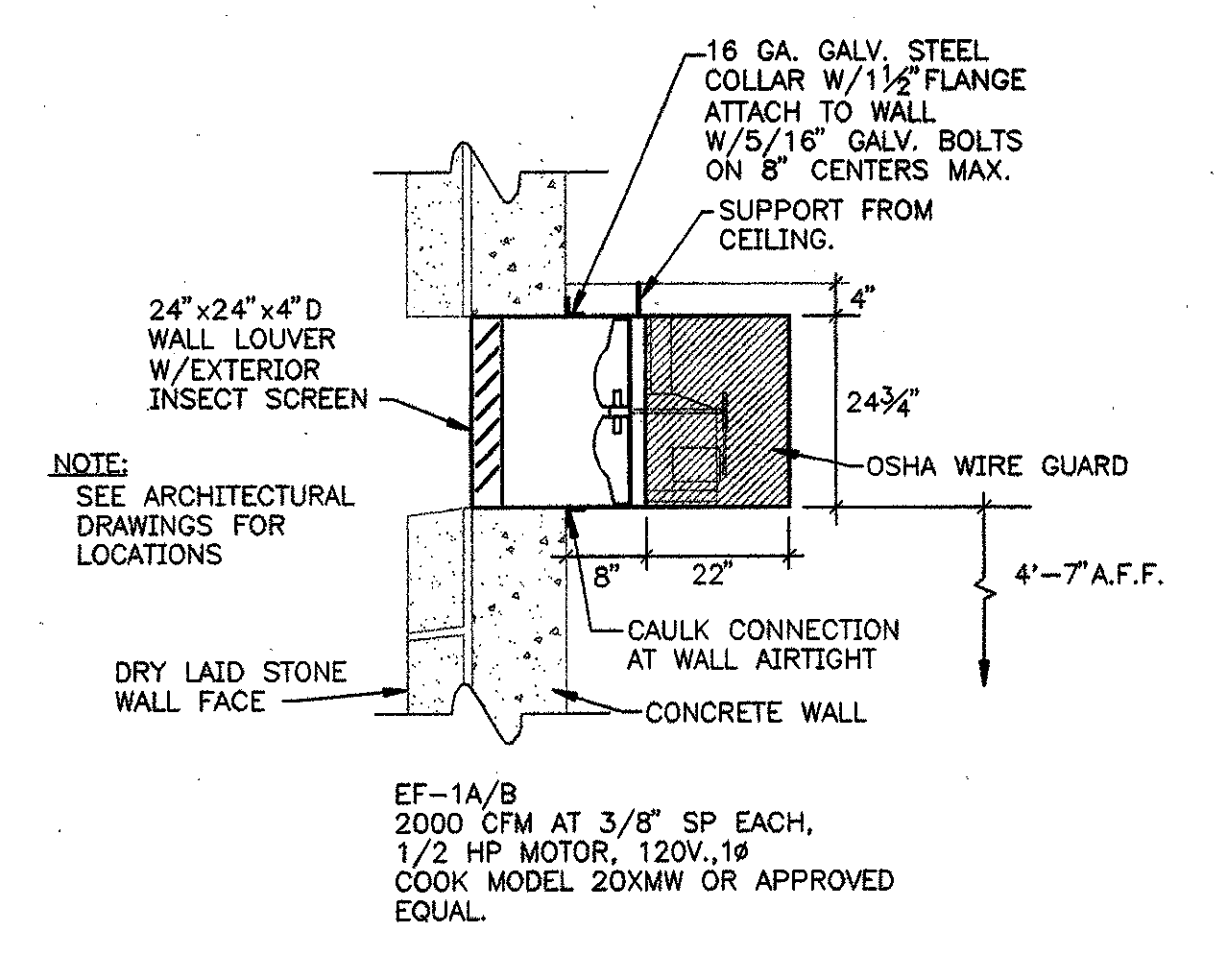
Drawn By: SAH  
 Checked By: SAH  
 Approved By: SAH  
 Date: September 30, 2002

Drawing No. **L5-1**

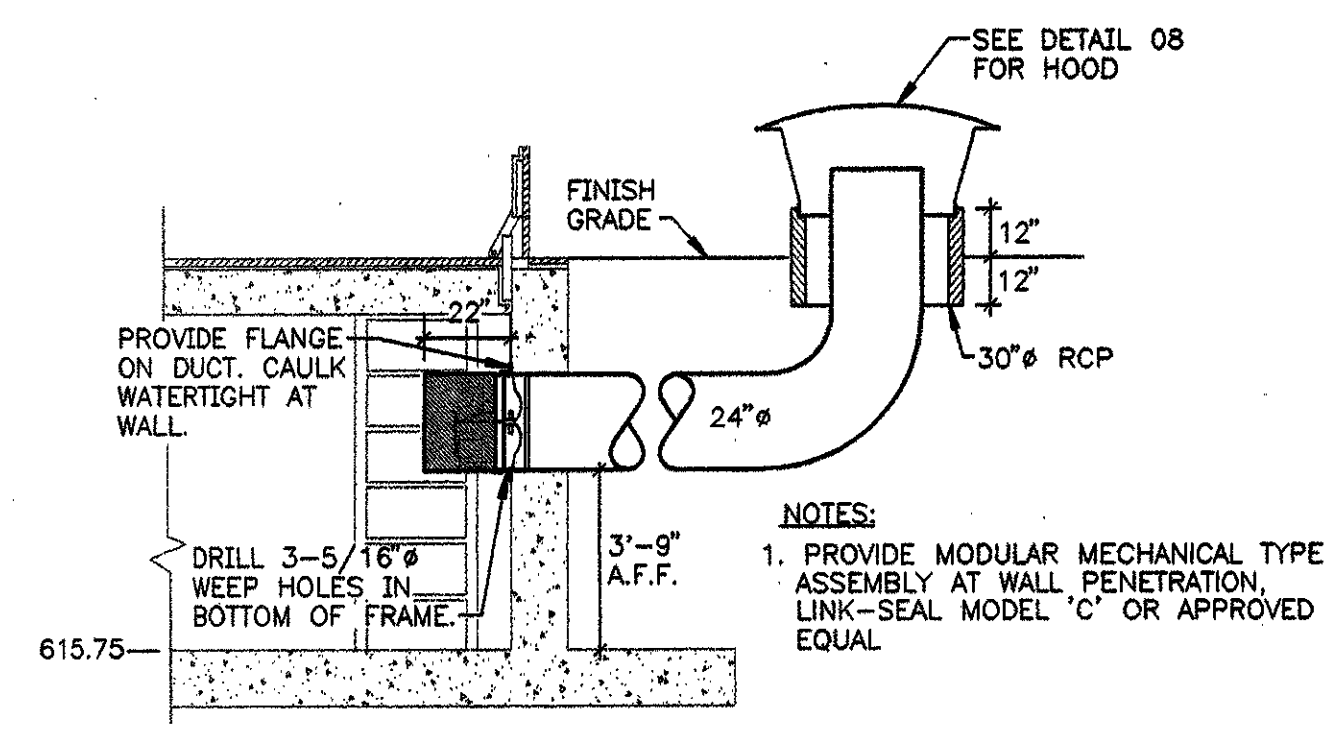
**06 VENTILATION - INTAKE DETAIL**  
 M1-1 N.T.S.



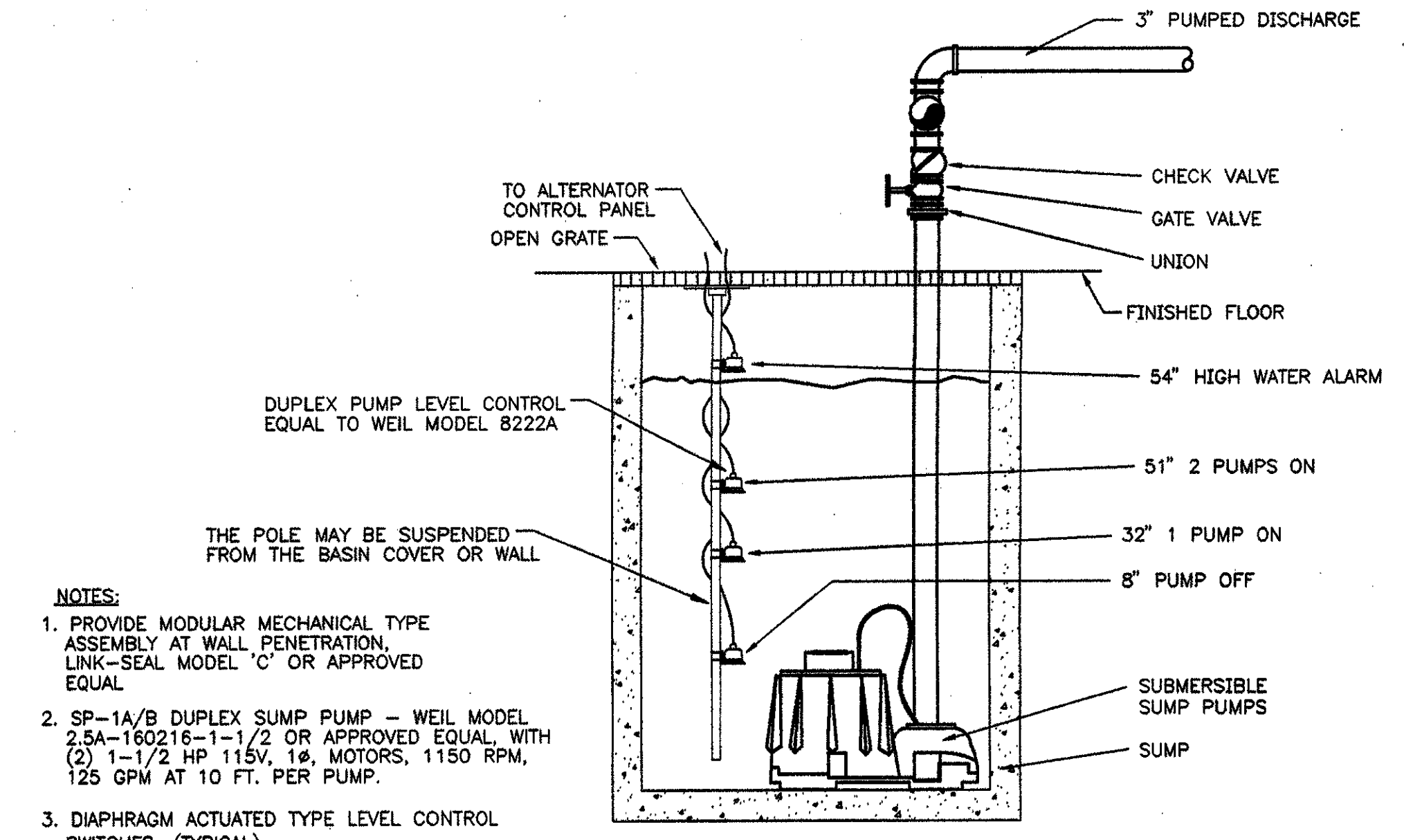
**03 EXHAUST FAN MOUNTING DETAIL - EF 1A/B**  
 M1-1 N.T.S.



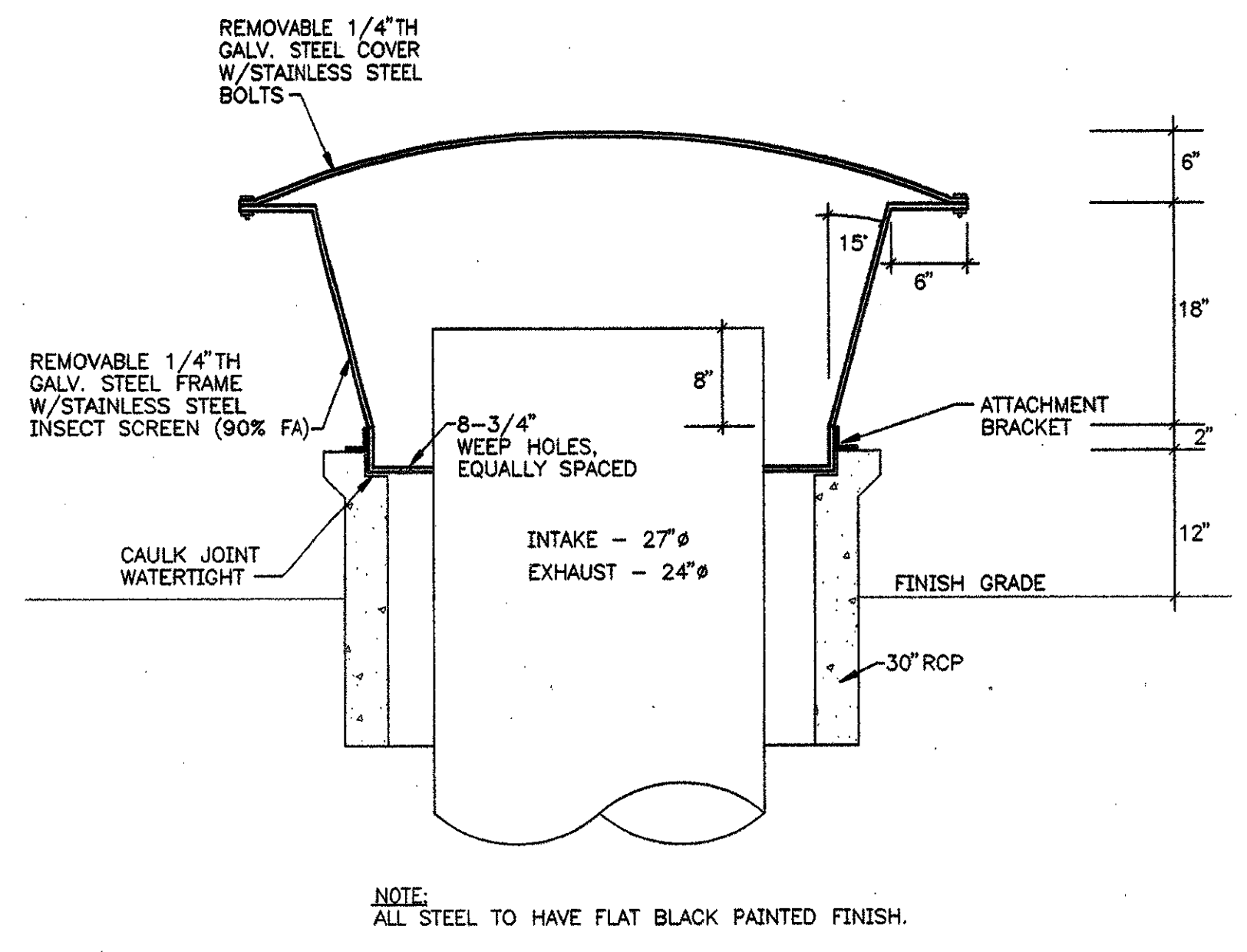
**07 VENTILATION - EXHAUST DETAIL**  
 M1-1 N.T.S.



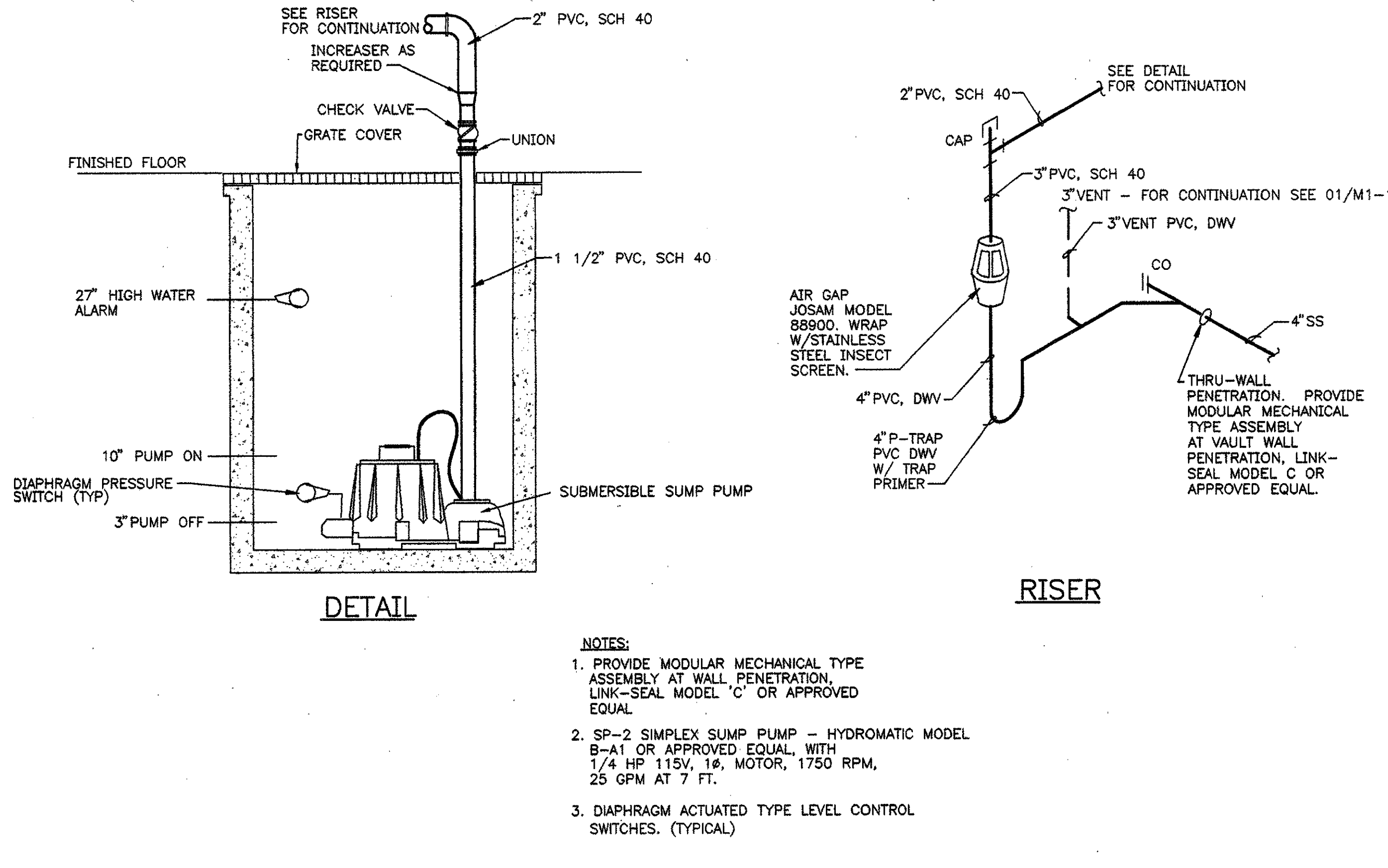
**04 DUPLEX SUMP PUMP DETAIL - SP-1A/B**  
 M1-1 N.T.S.



**08 VENTILATION - HOOD DETAIL**  
 M1-1 N.T.S.



**05 SIMPLEX SUMP PUMP DETAIL - SP-2**  
 M1-1 N.T.S.



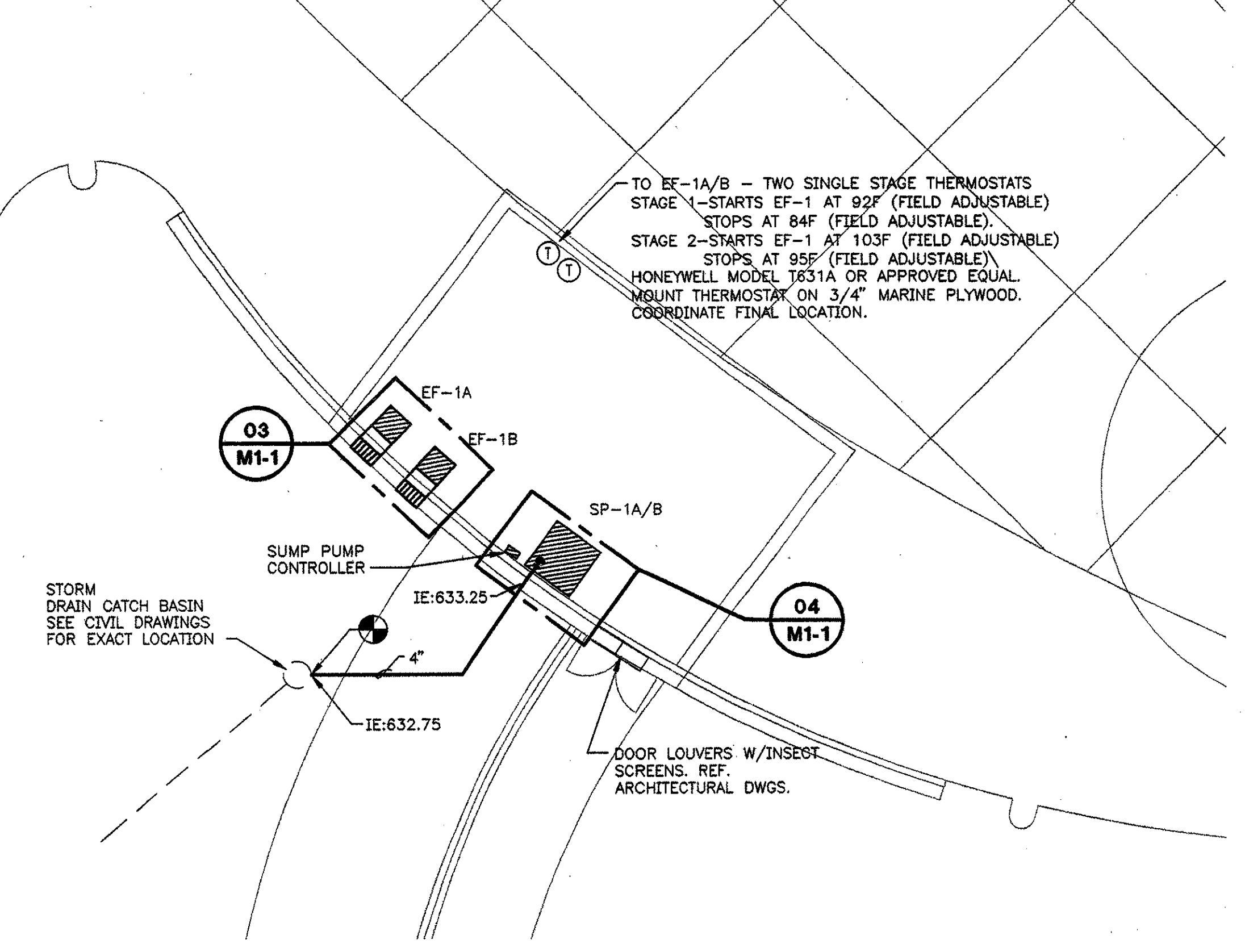
TO EF-2 - 2-STAGE THERMOSTAT  
 STAGE 1-OPERATES EF-2 AT LOW SPEED AT 91F (FIELD ADJUSTABLE)  
 STOPS AT 88.5F.  
 STAGE 2-OPERATES EF-2 AT HIGH SPEED AT 100F (FIELD ADJUSTABLE)  
 STOPS AT 96.5F.  
 HONEYWELL MODEL T631B OR APPROVED EQUAL MOUNT THERMOSTAT ON 3/4" MARINE PLYWOOD. COORDINATE LOCATION.

ELECTRONIC TRAP PRIMER PANEL  
 PRECISION PLUMBING PRODUCTS  
 MODEL - MPB-500-115V W/NEMA 1 ENCLOSURE OR APPROVED EQUAL. PROVIDE W/ SO CORD AND PLUG AND CONNECT TO NEAREST 115V RECEPTACLE.

**NOTES BY SYMBOL "O"**

- 1 EF-2 VAULT VENTILATION FAN, 2800 CFM AT 3/8" S.P., 1/2 HP, 2 SPEED MOTOR, 120V., 1Ø, WITH OSHA WIRE GUARD. COOK MODEL #20XMM OR APPROVED EQUAL.
- 2 SP-2 SIMPLEX SUMP PUMP.
- 3 UH-1 ELECTRIC HEATER, BRASCH MODEL BTM 2.2-2081 OR APPROVED EQUAL, 2.2KW AT 208/1 PHASE, W/ BUILT-IN THERMOSTAT SET FOR 45F (FIELD ADJUSTABLE).

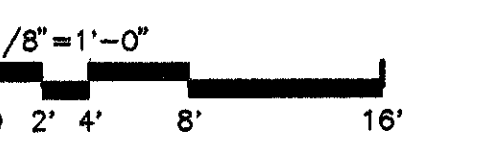
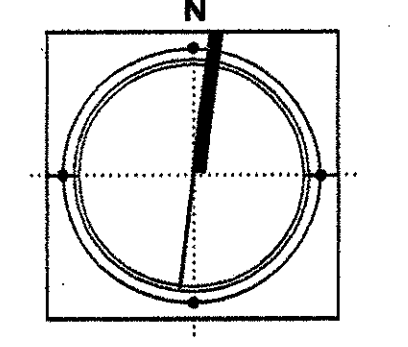
**01 FOUNTAIN EQUIPMENT VAULT - MECHANICAL**  
 M1-1 1/8" = 1'-0"



**02 ELECTRICAL ROOM AT MAIN STAGE - MECHANICAL**  
 M1-1 1/8" = 1'-0"

ADDENDUM #2	10-21-02	
ISSUED FOR CONSTRUCTION	09-30-02	
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DWG ISSUE & REVISION HISTORY	
Stamp	

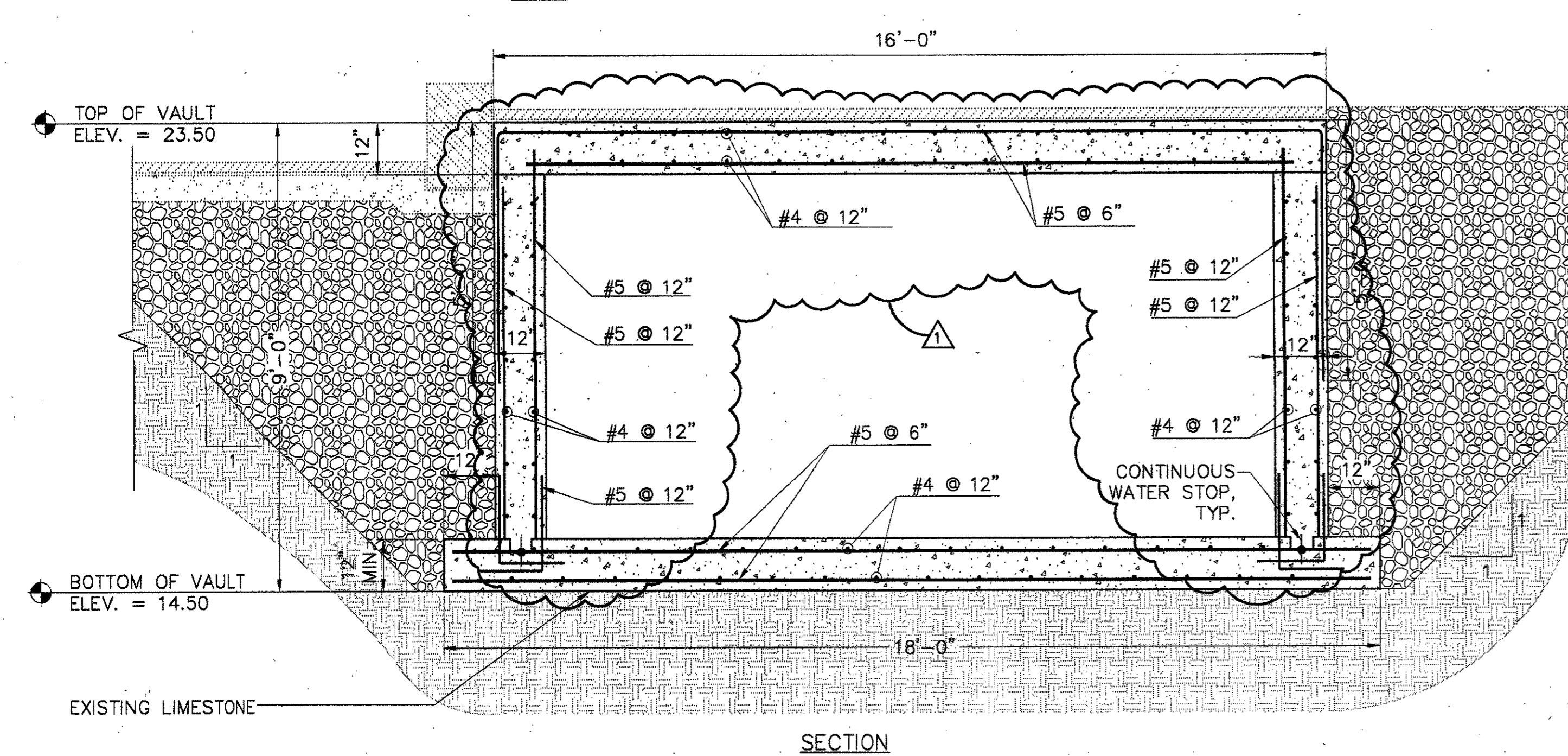
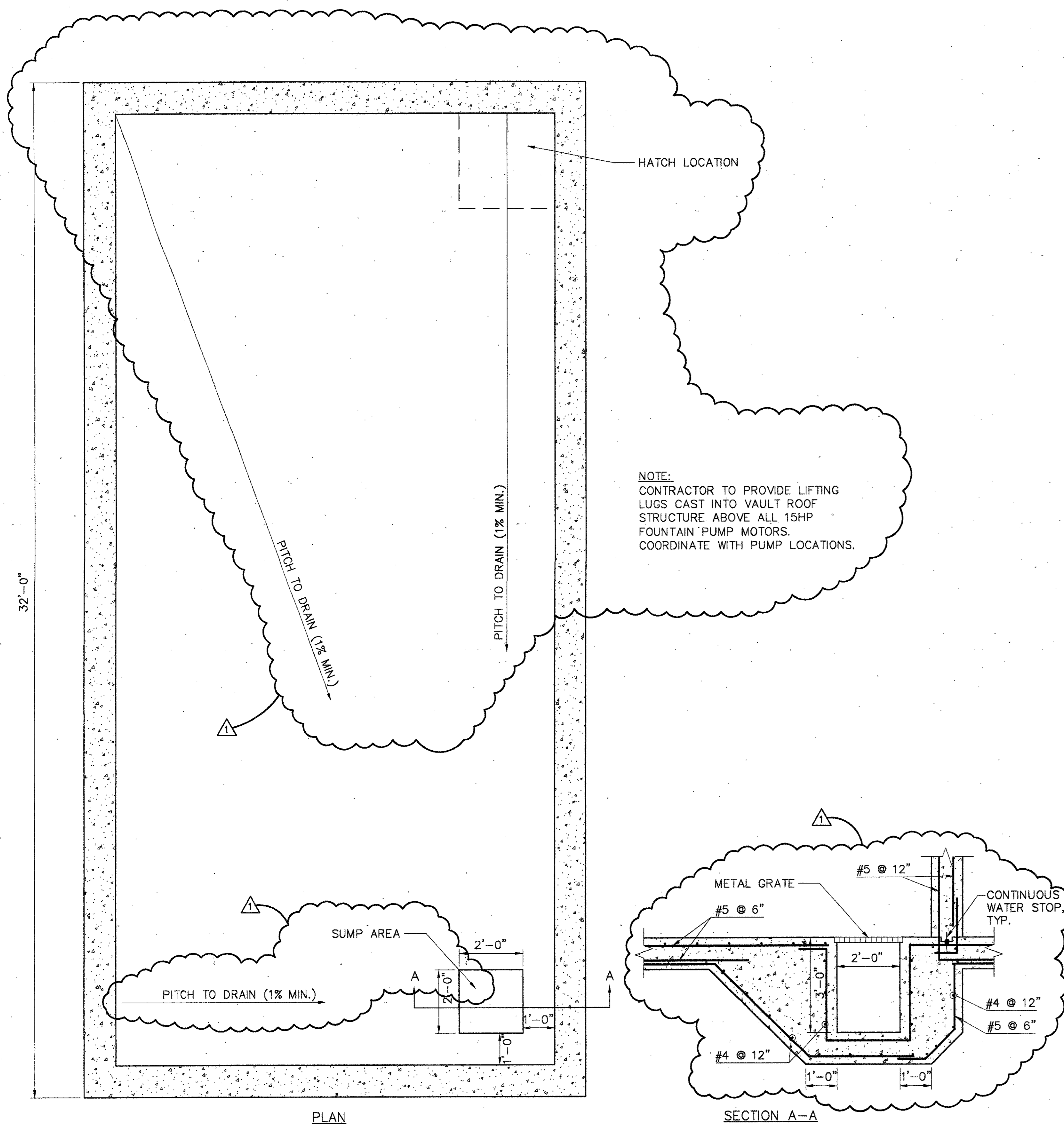


Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

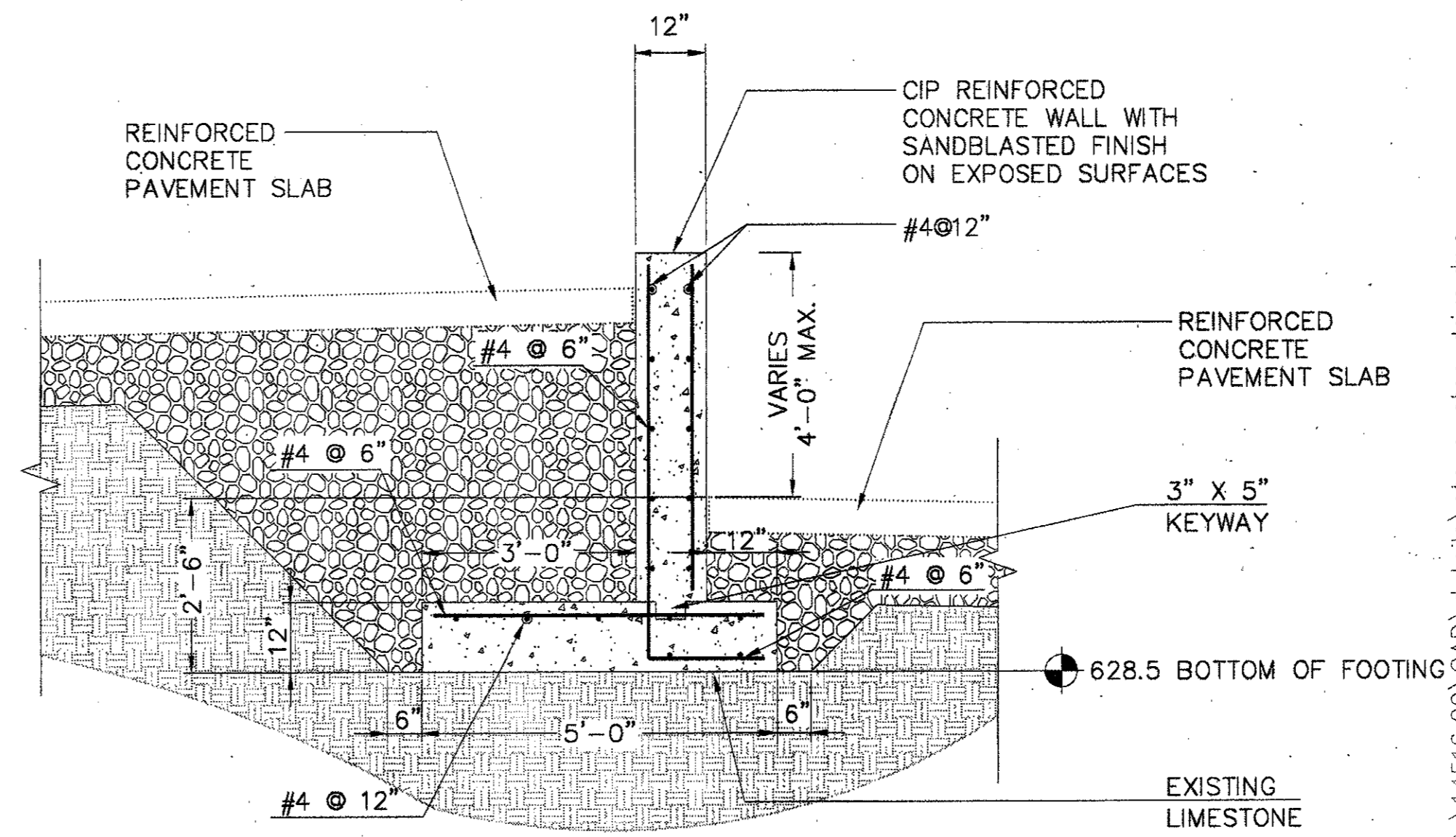
Drawing Title:  
**MECHANICAL PLAN**

Project No. 14516.00 Scale: SHOWN  
 Drawn By: GC  
 Checked By: BK  
 Approved By: BK  
 Date: 09/30/02

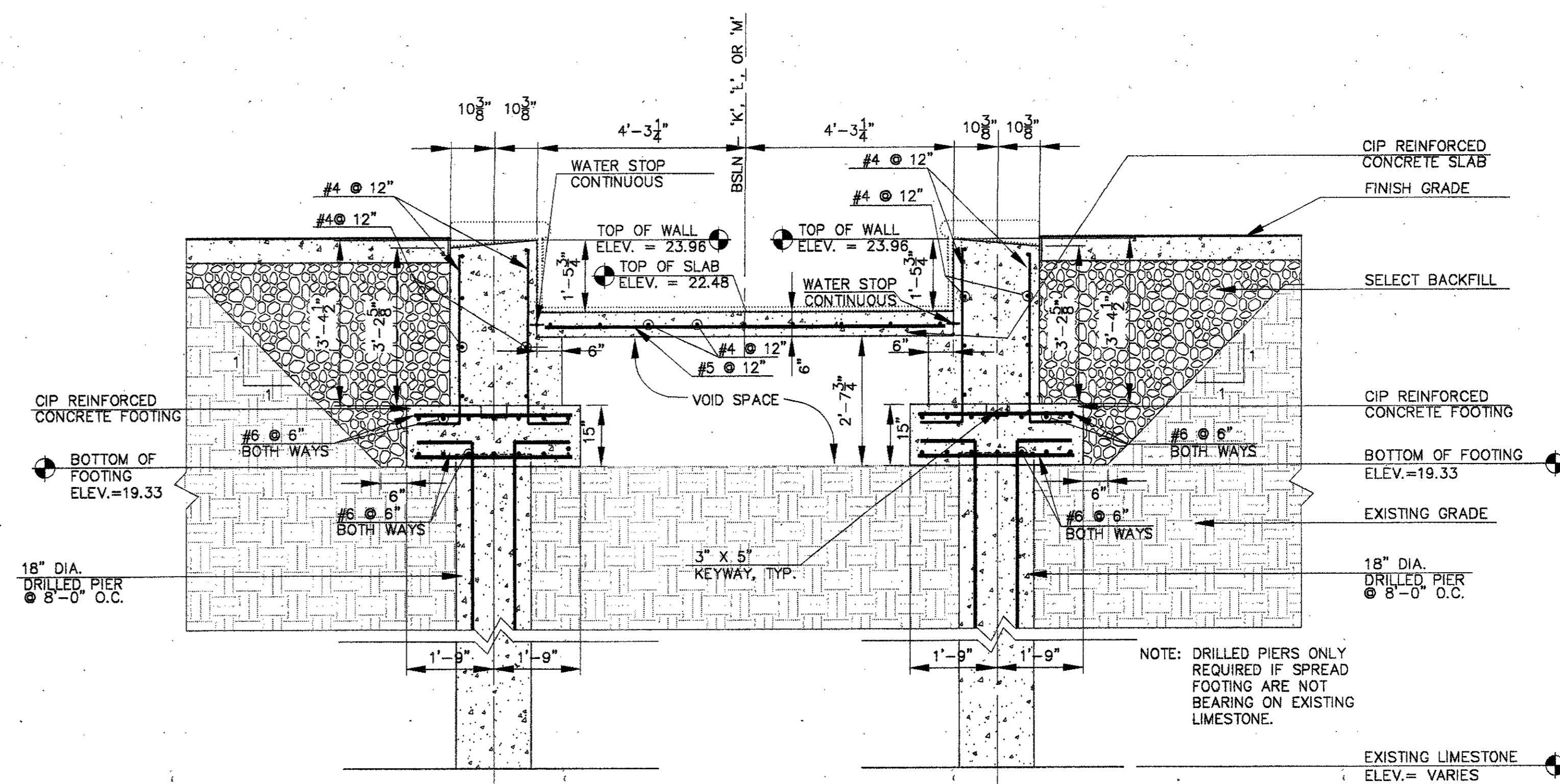
Drawing No. **M1-1**



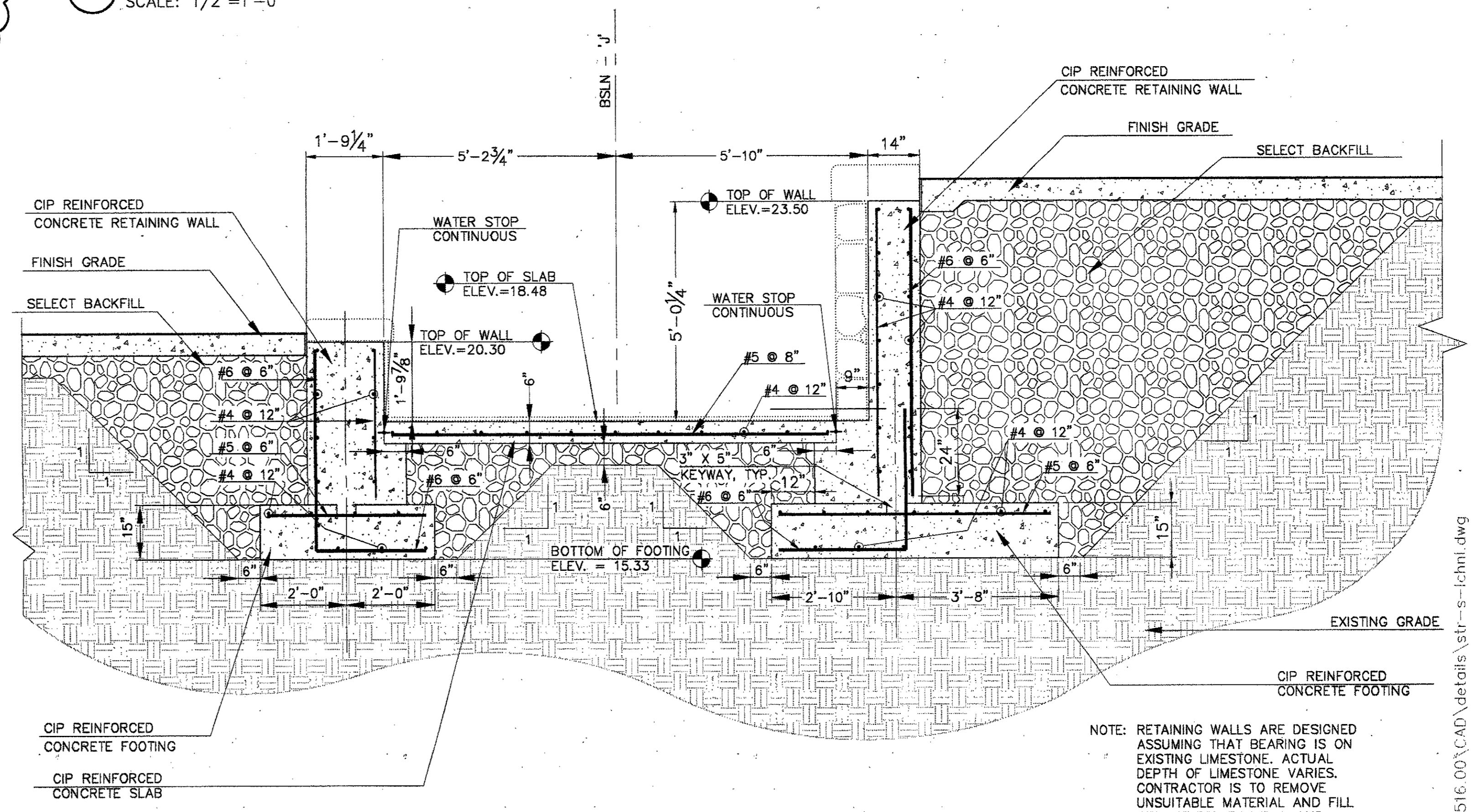
4 FOUNTAIN VAULT REINFORCING - PLAN AND SECTION  
SCALE: 1/2" = 1'-0"



3 RETAINING WALL OF SERVICE DRIVE/RAMP SECTION AT MAIN STAGE  
SCALE: 1/2" = 1'-0"



2 UPPER CHANNEL RETAINING WALL SECTION WITH DRILLED PIERS  
SCALE: 1/2" = 1'-0"

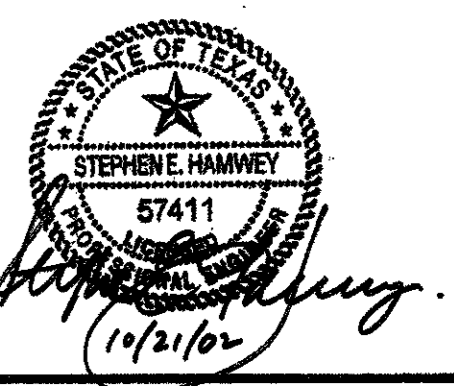


1 LOWER CHANNEL RETAINING WALL SECTION  
SCALE: 1/2" = 1'-0"

ADDENDUM #2	10-21-02	
ISSUED FOR CONSTRUCTION	09-30-02	
No.	Description	Date

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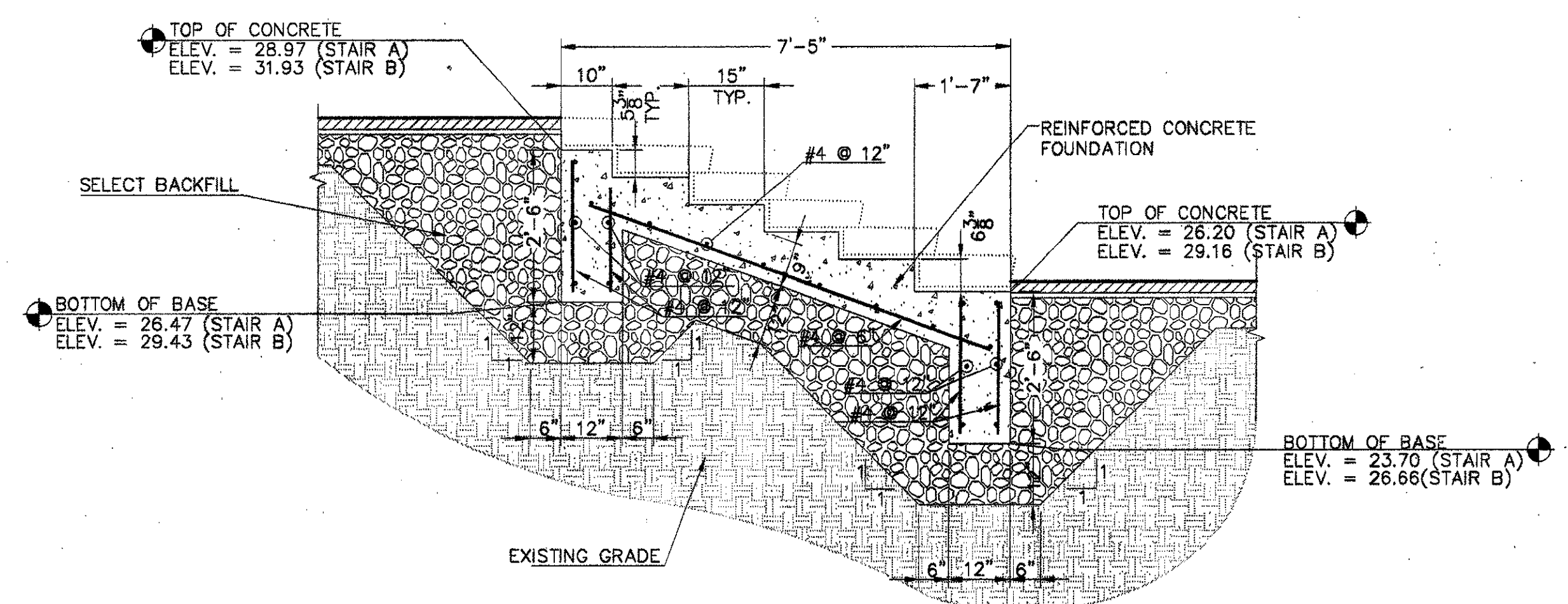


Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
ADDISON, TEXAS

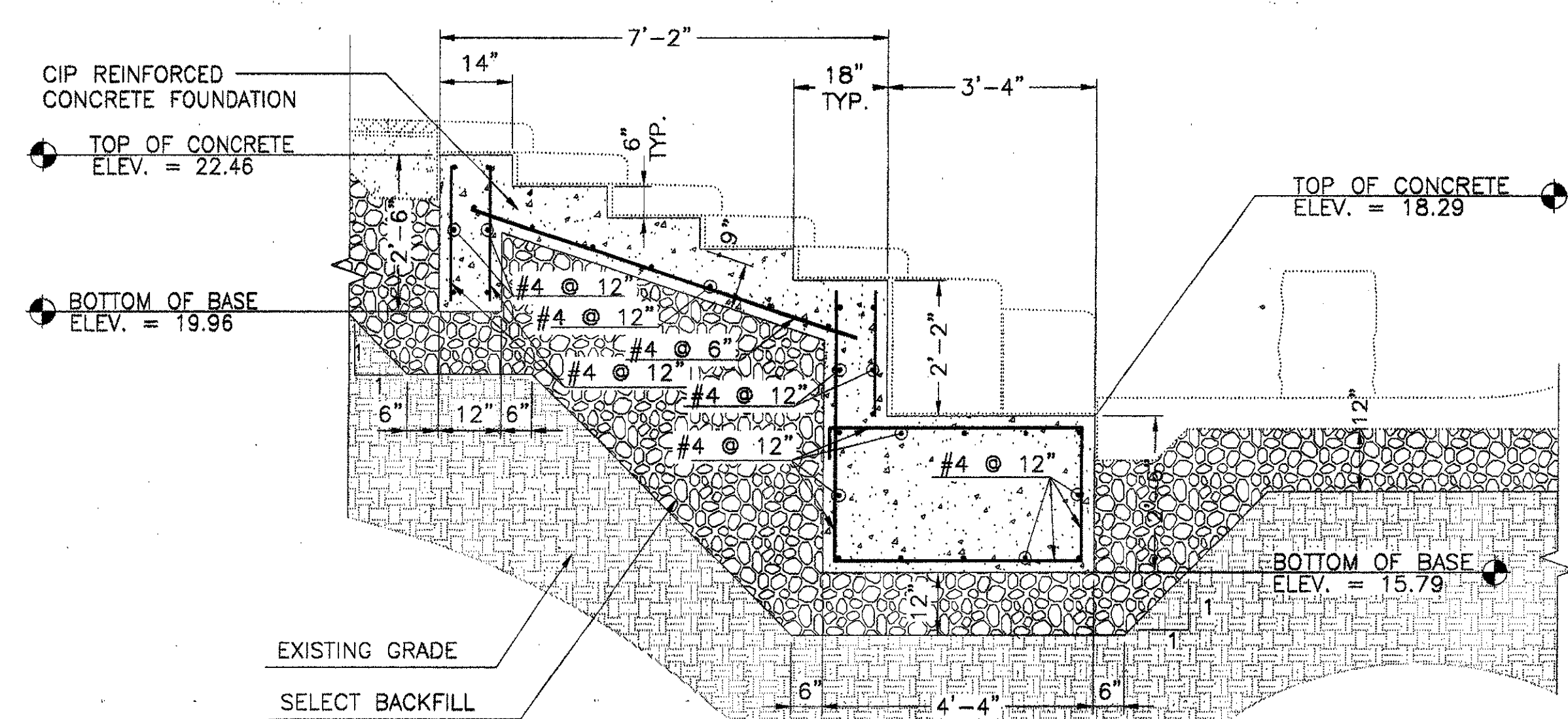
Drawing Title:  
**STRUCTURAL DETAILS**

Project No. 14516.00 Scale: AS NOTED  
Drawn By: SM/OP/SCV  
Checked By: CC  
Approved By: SEH  
Date: September 30, 2002

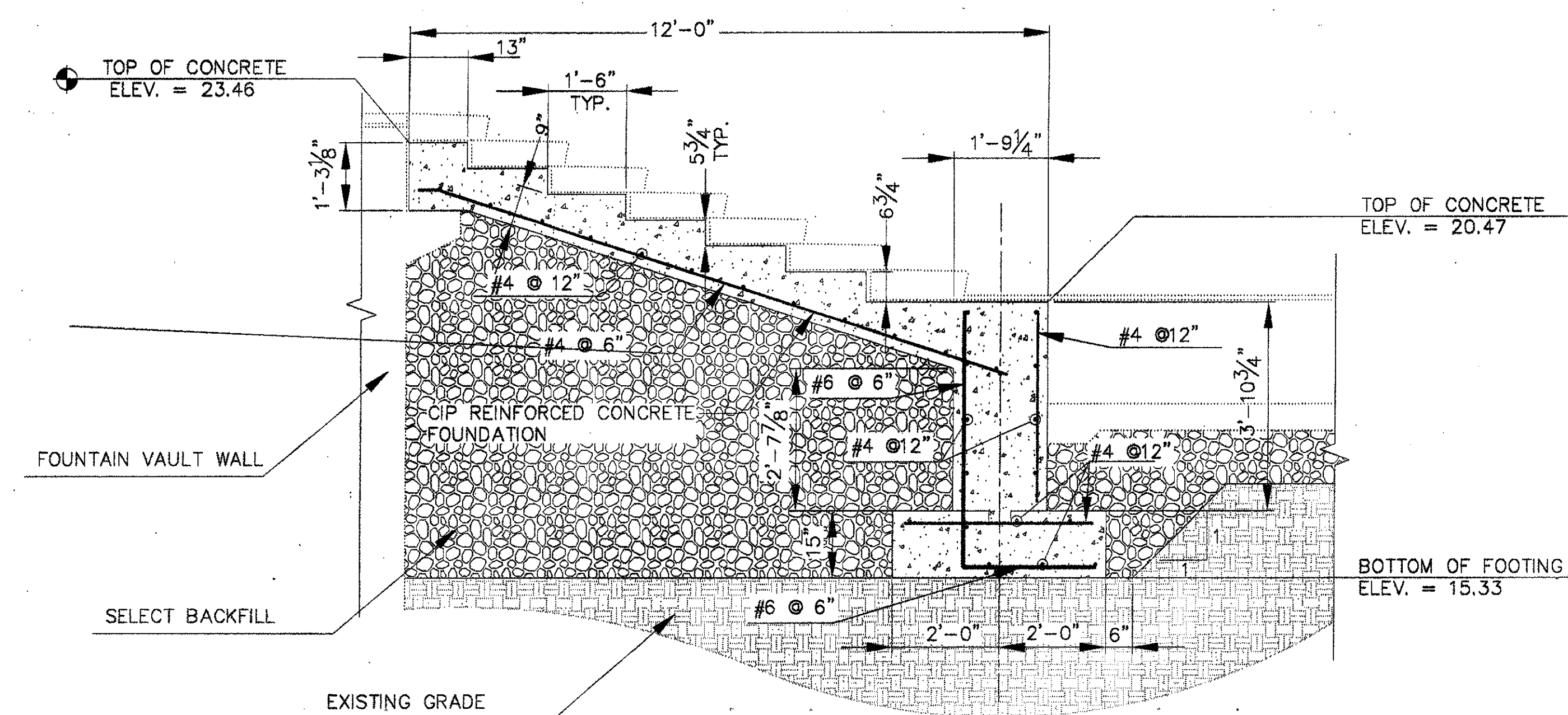
Drawing No. **S1-1**



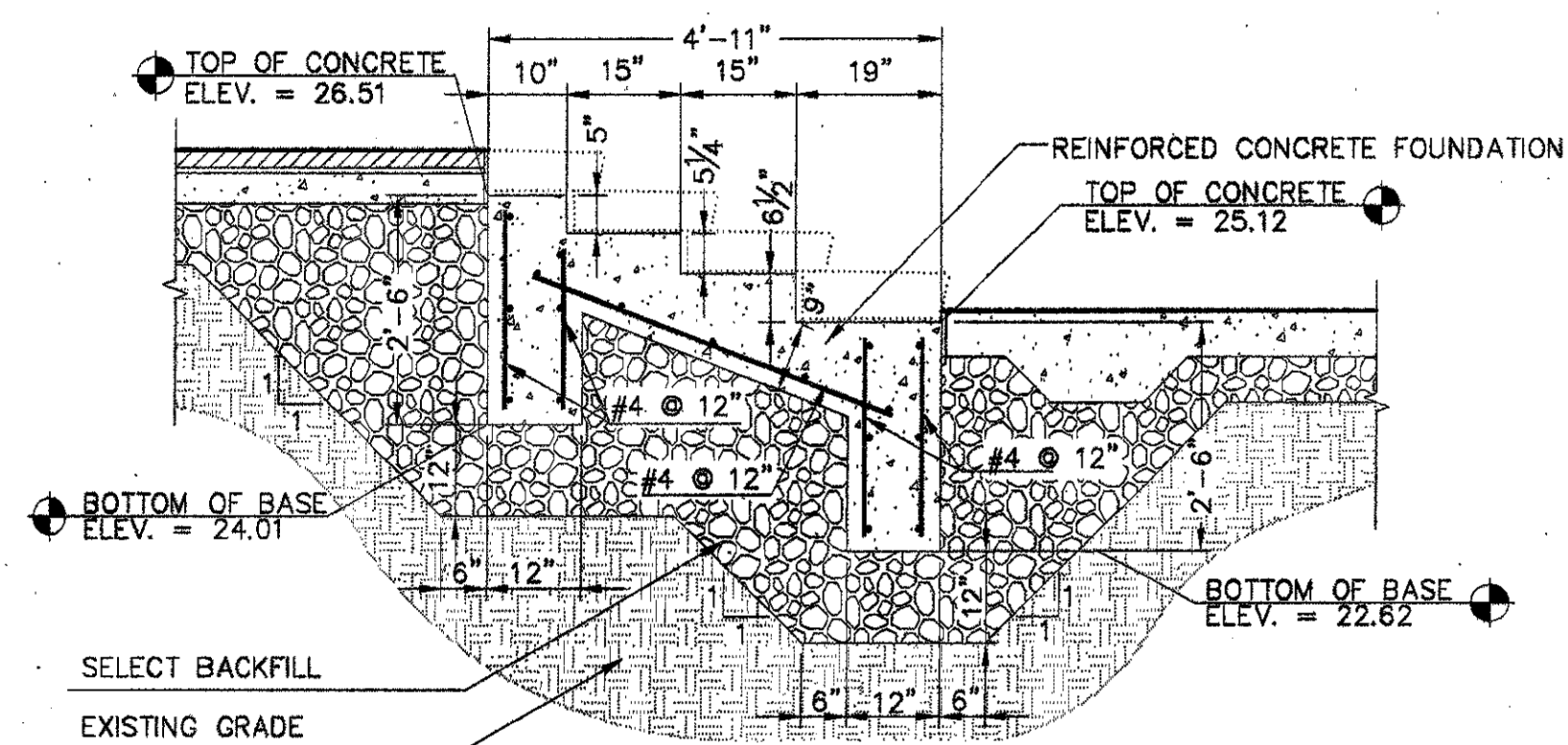
3 FOUNDATION OF GARDEN STAIRS - SECTION (TYPICAL FOR STAIRS A & B)  
SCALE: 1/2" = 1'-0"



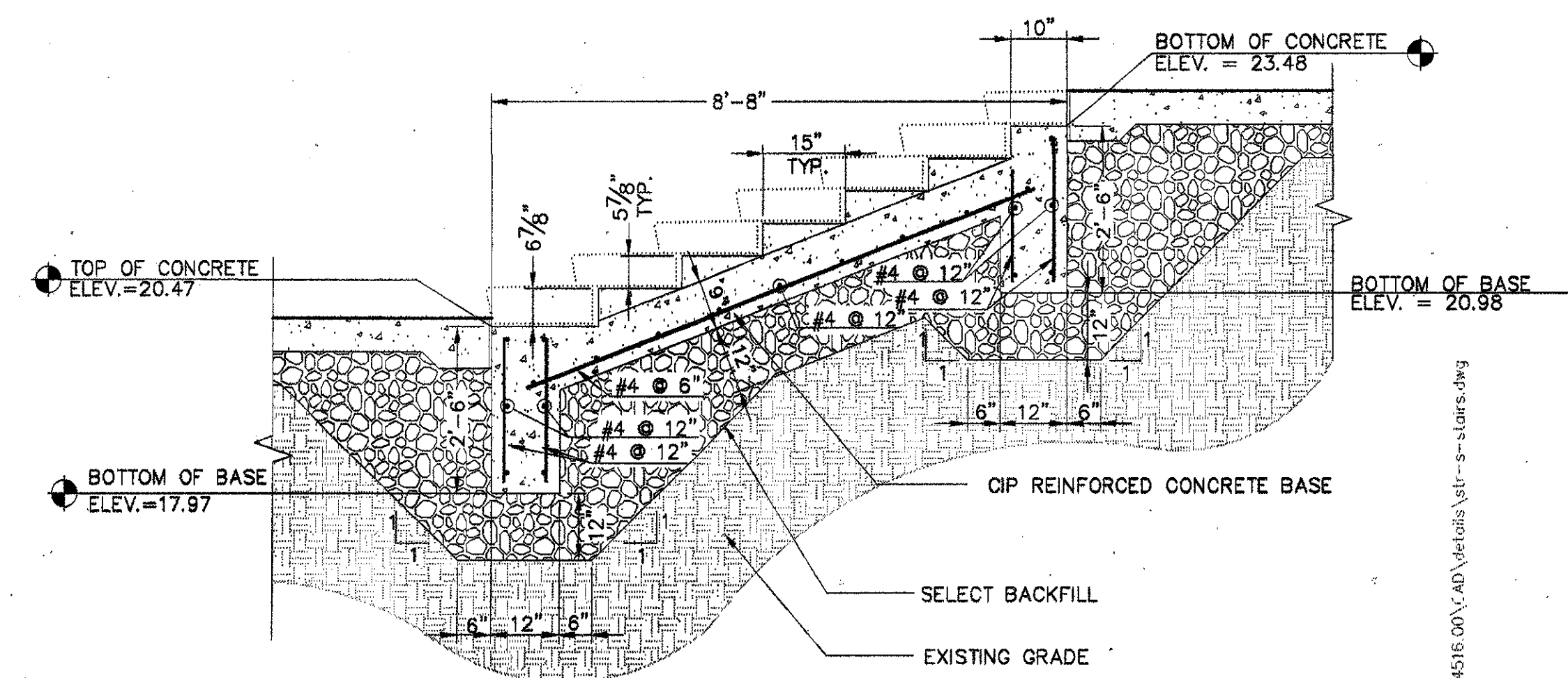
5 FOUNDATION OF PLAZA FOUNTAIN STEPS SECTION 1  
SCALE: 1/2" = 1'-0"



2 FOUNDATION OF PLAZA FOUNTAIN STAIRS - SECTION  
SCALE: 1/2" = 1'-0"



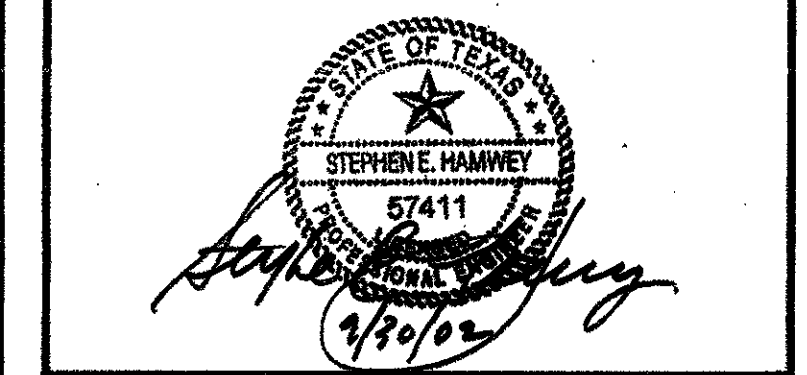
4 FOUNDATION OF PAVILION STAIR - SECTION  
SCALE: 1/2" = 1'-0"



1 FOUNDATION OF STAIRS AT SOUTH LOWER CHANNEL  
SCALE: 1/2" = 1'-0"

ISSUED FOR CONSTRUCTION	09-30-02
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DWG ISSUE & REVISION HISTORY



Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
ADDISON, TEXAS

Drawing Title:  
**STRUCTURAL DETAILS**

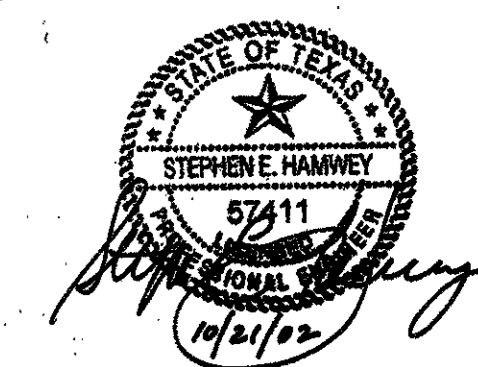
Project No. 14516.00 Scale: AS NOTED  
Drawn By: SM/OP/SCV  
Checked By: CC  
Approved By: SEH  
Date: September 30, 2002

Drawing No. **S1-2**

ADDENDUM #2	10-21-02
ISSUED FOR CONSTRUCTION	09-30-02
No. Description	Date

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Project Title:

**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

Drawing Title:

**STRUCTURAL DETAILS**

Project No. 14516.00 Scale: AS NOTED

Drawn By: SCV

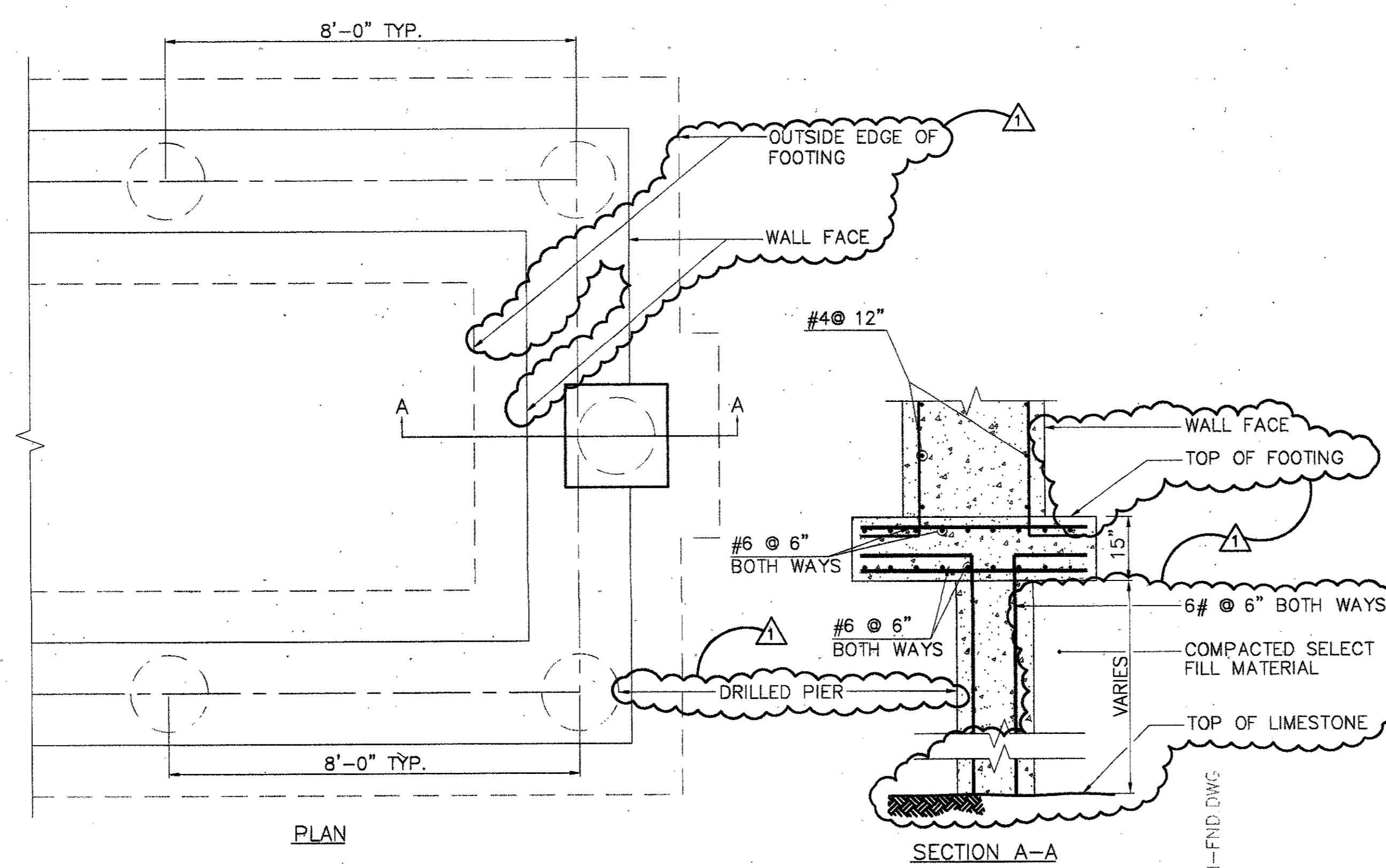
Checked By: CC

Approved By: SEH

Date: September 30, 2002

Drawing No.

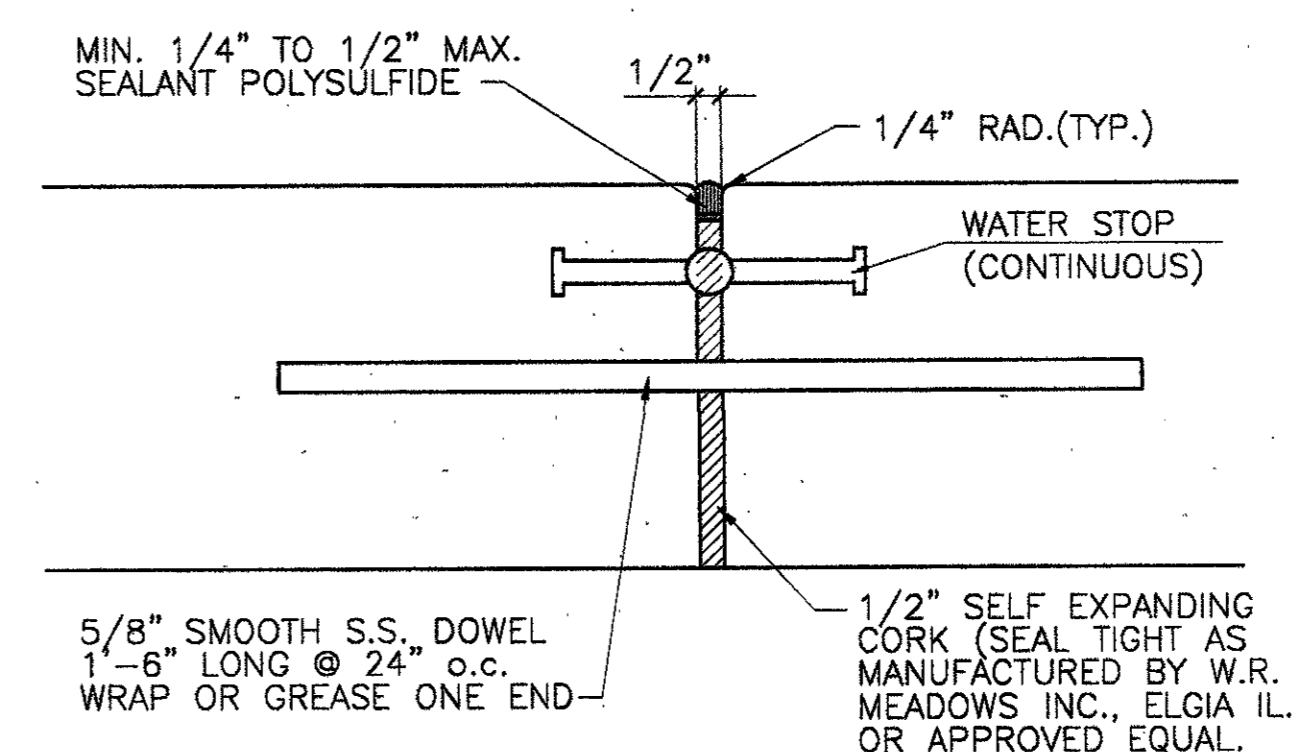
**S1-3**



NOTE: DRILLED PIERS ONLY REQUIRED IF SPREAD FOOTINGS ARE NOT BEARING ON EXISTING LIMESTONE.

2 FOUNTAIN PYLON FOOTING AND PLAN  
 SCALE: 1/2"=1'-0"

S=F-PYLON-FND.DWG

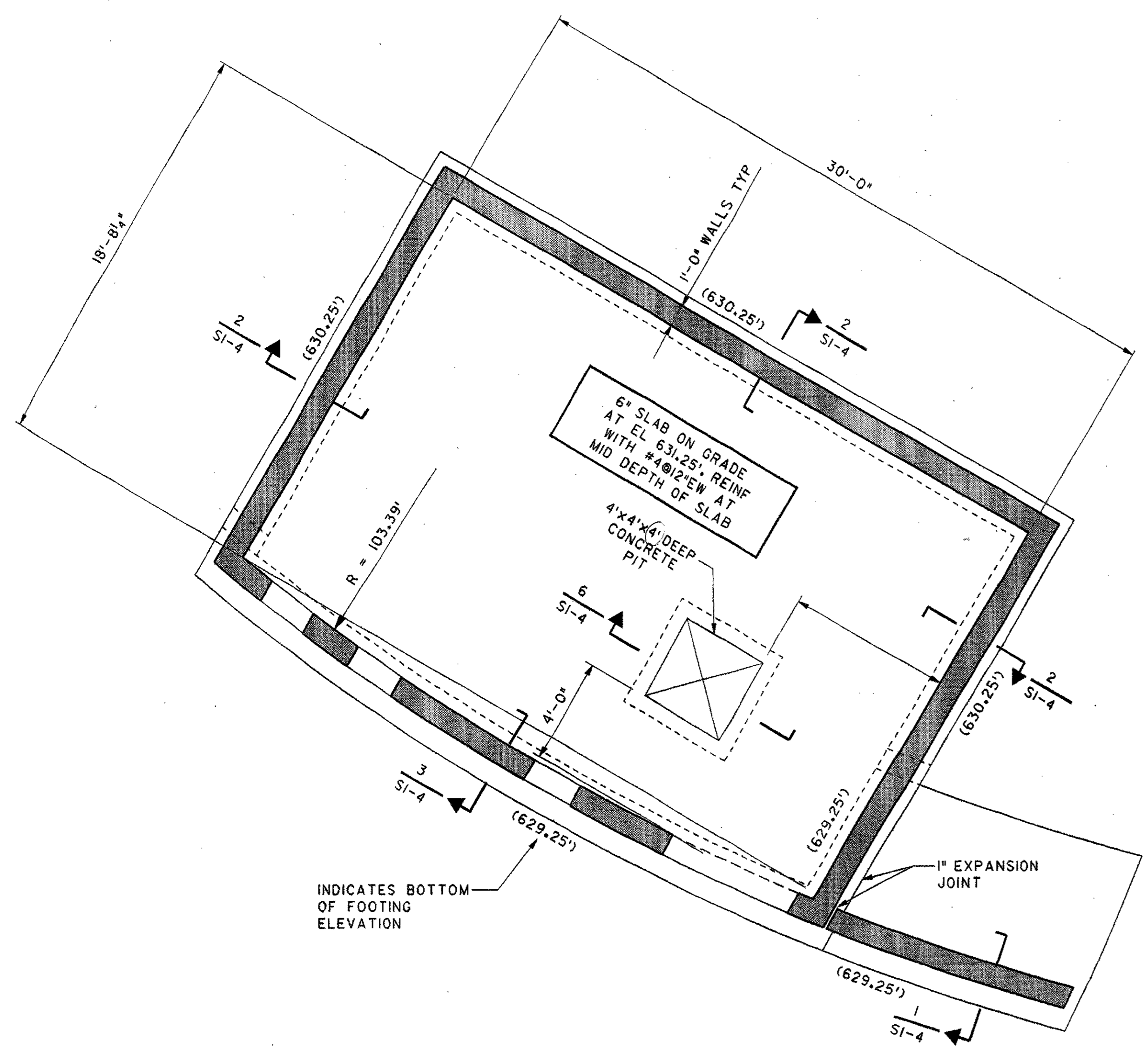


NOTES:  
 1. INSTALL EXPANSION JOINTS IN CHANNELS AT 90' MAX O.C.  
 2. ALIGN EXPANSION JOINTS WITH TILE JOINTS.

1 TYPICAL EXPANSION JOINT IN CHANNELS  
 SCALE: 3/4"=1'-0"

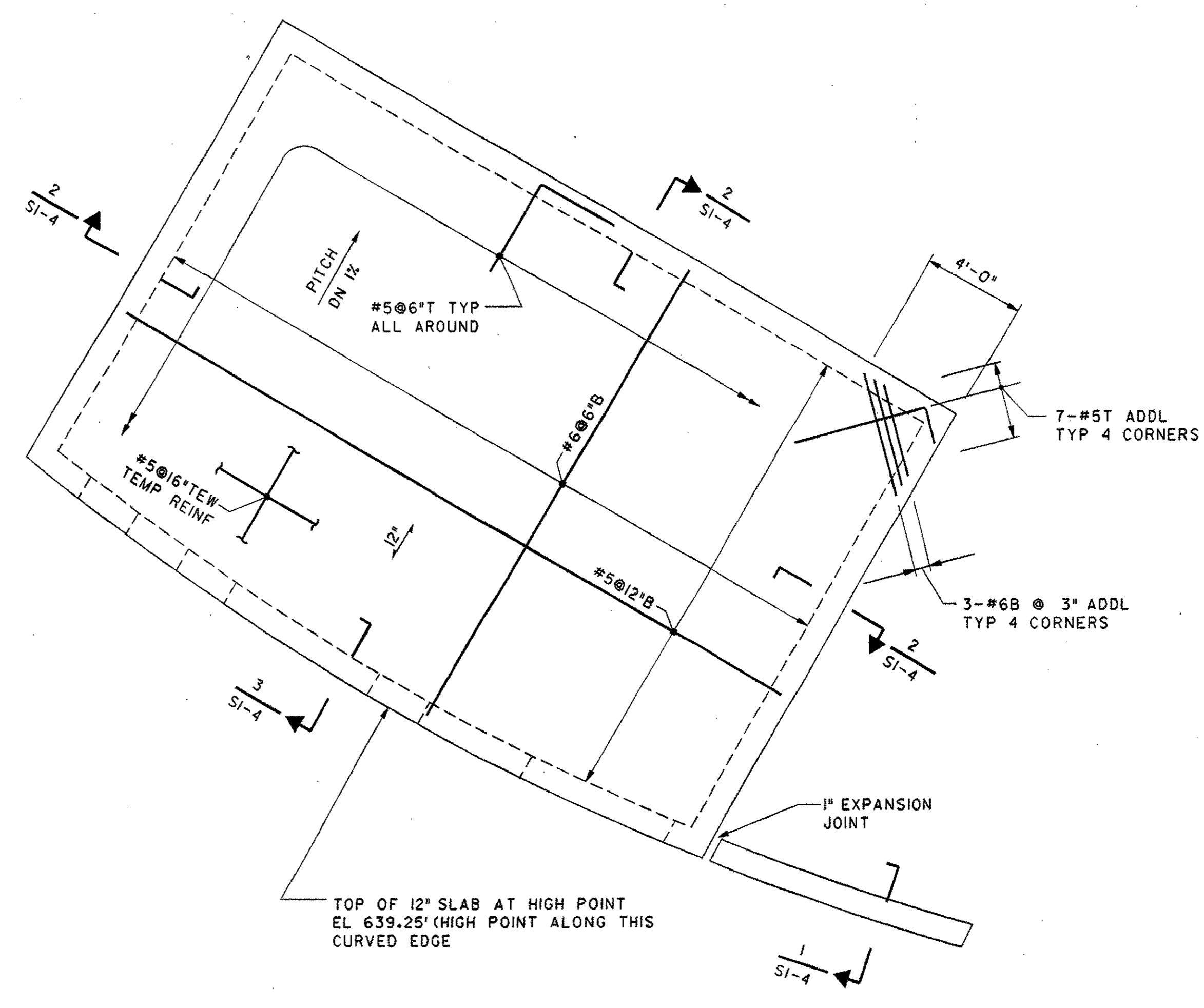
TYPE-EXJ.DWG





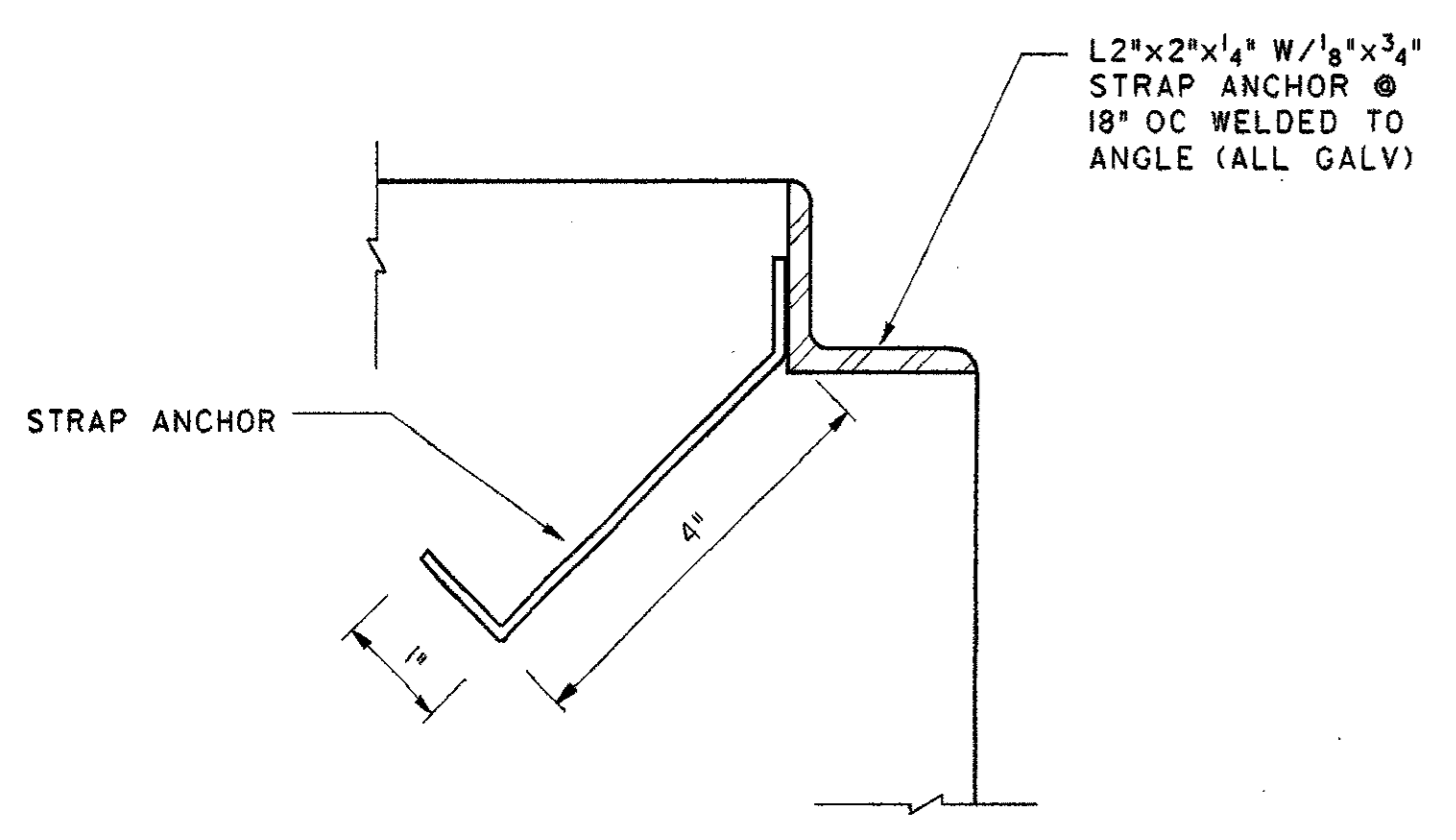
9 FOUNDATION PLAN

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



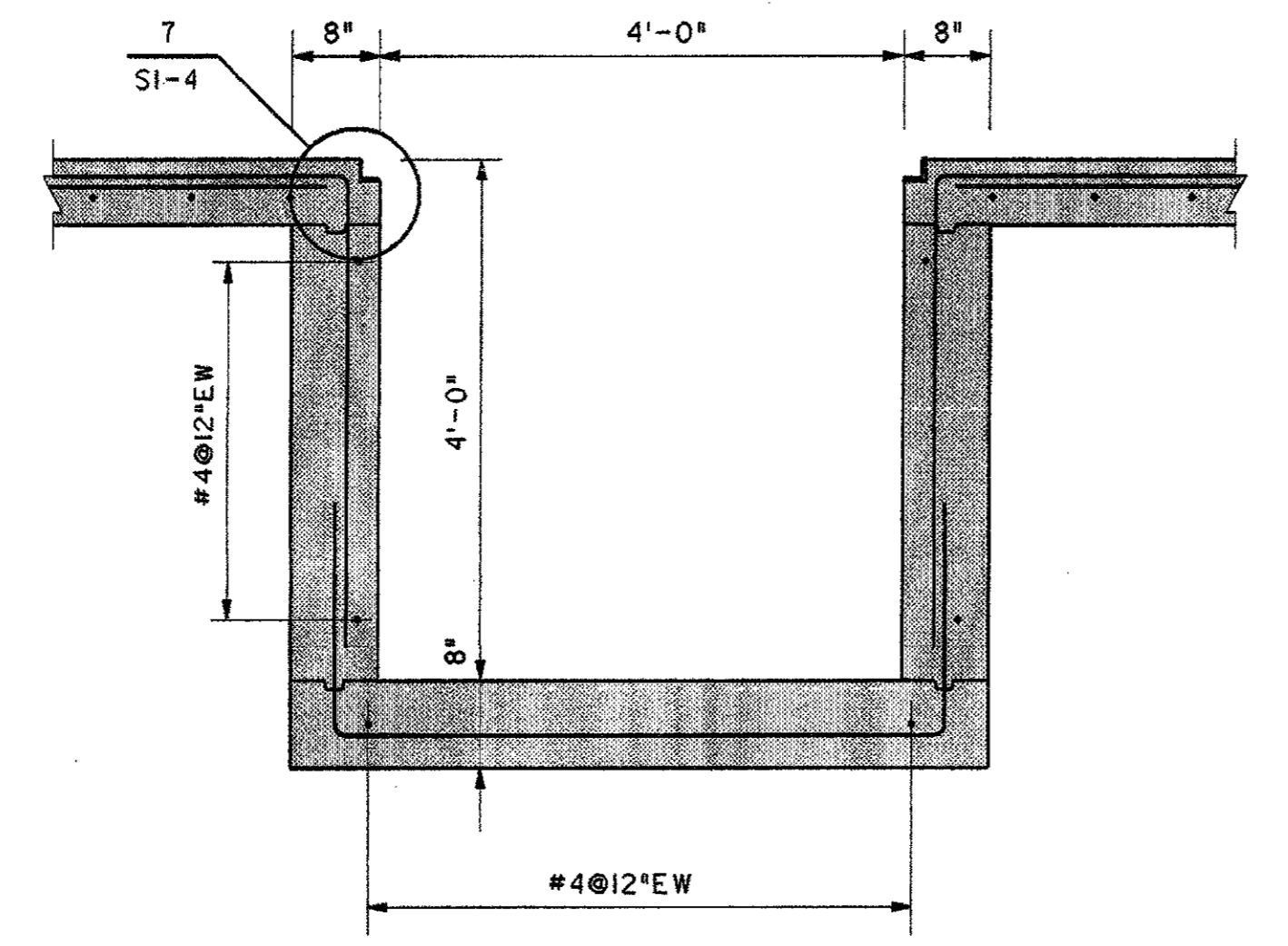
8 ROOF PLAN

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



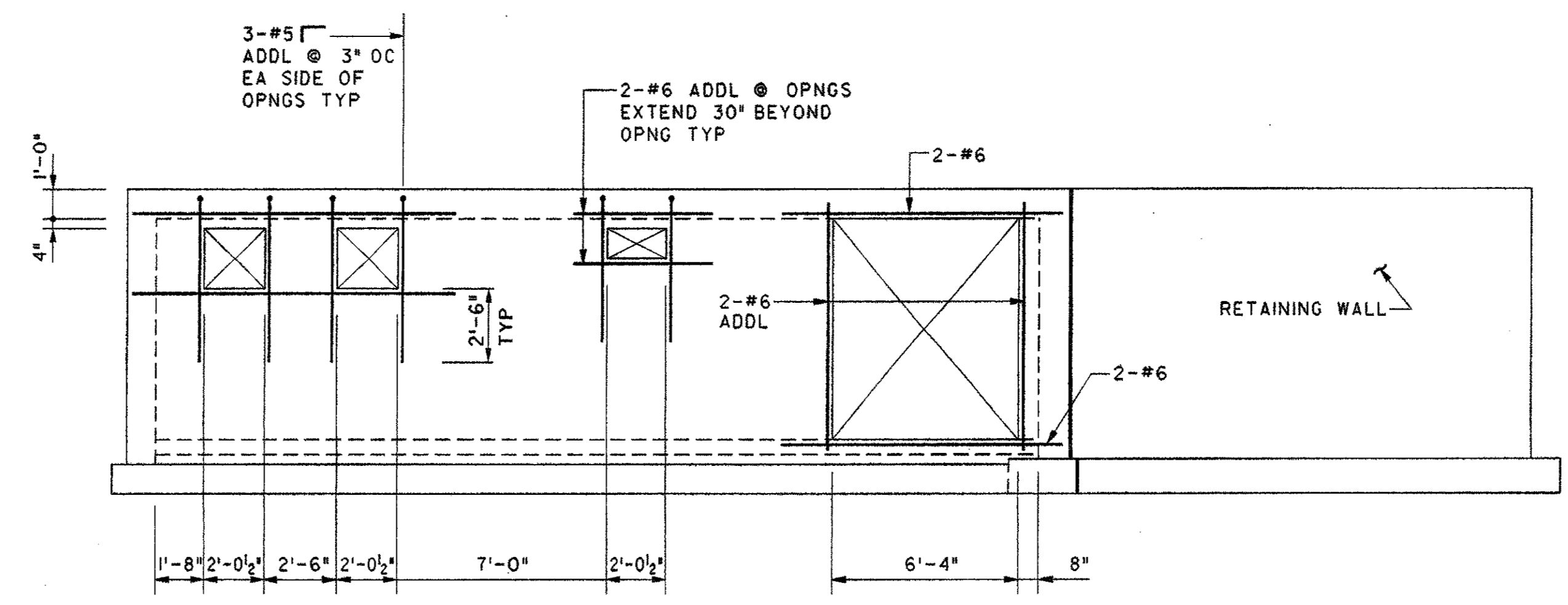
7 DETAIL AT PIT COVER SEAT

SCALE: 6\"/>



6 CONCRETE PIT

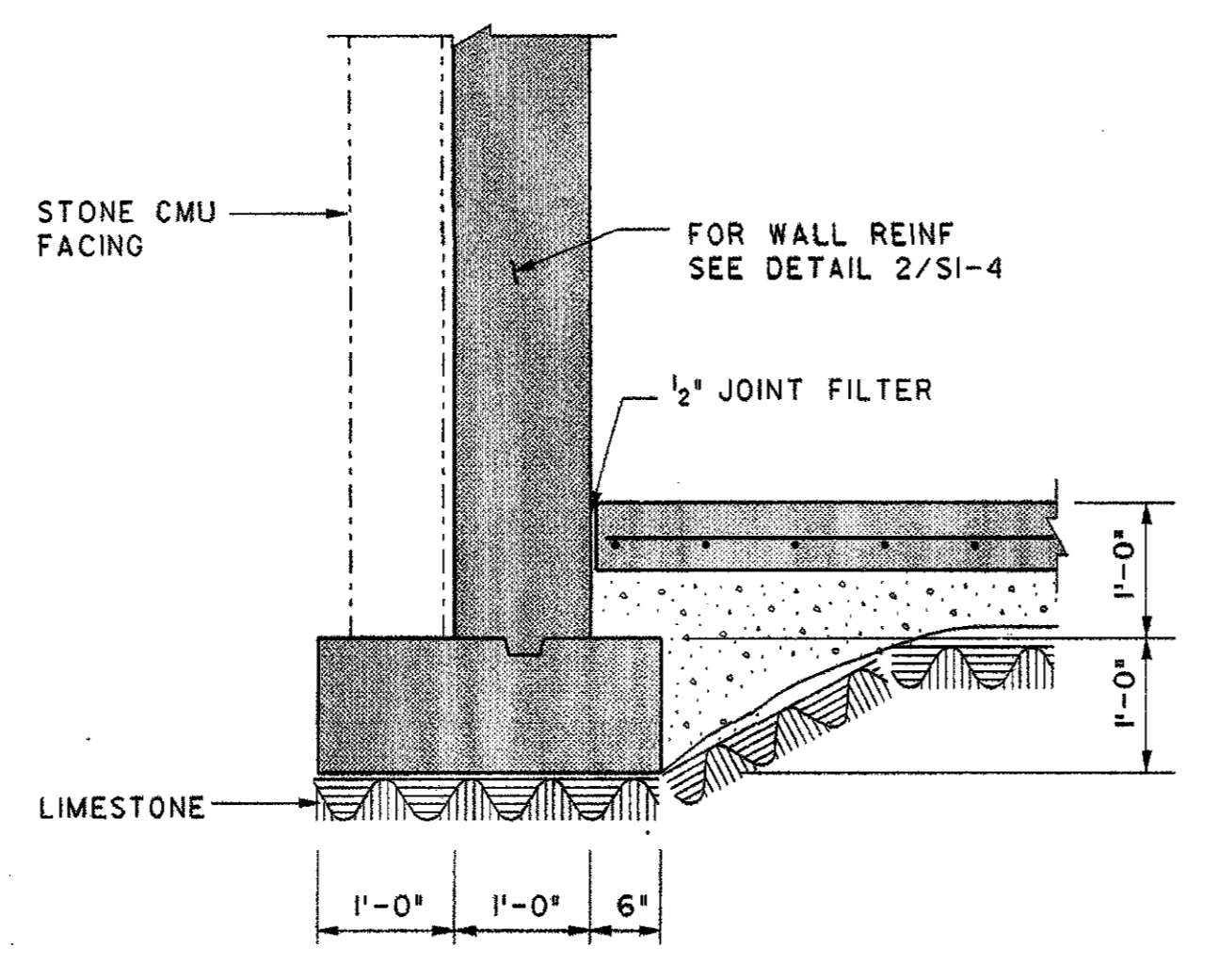
SCALE: 3/4\"/>



5 WALL ELEVATION

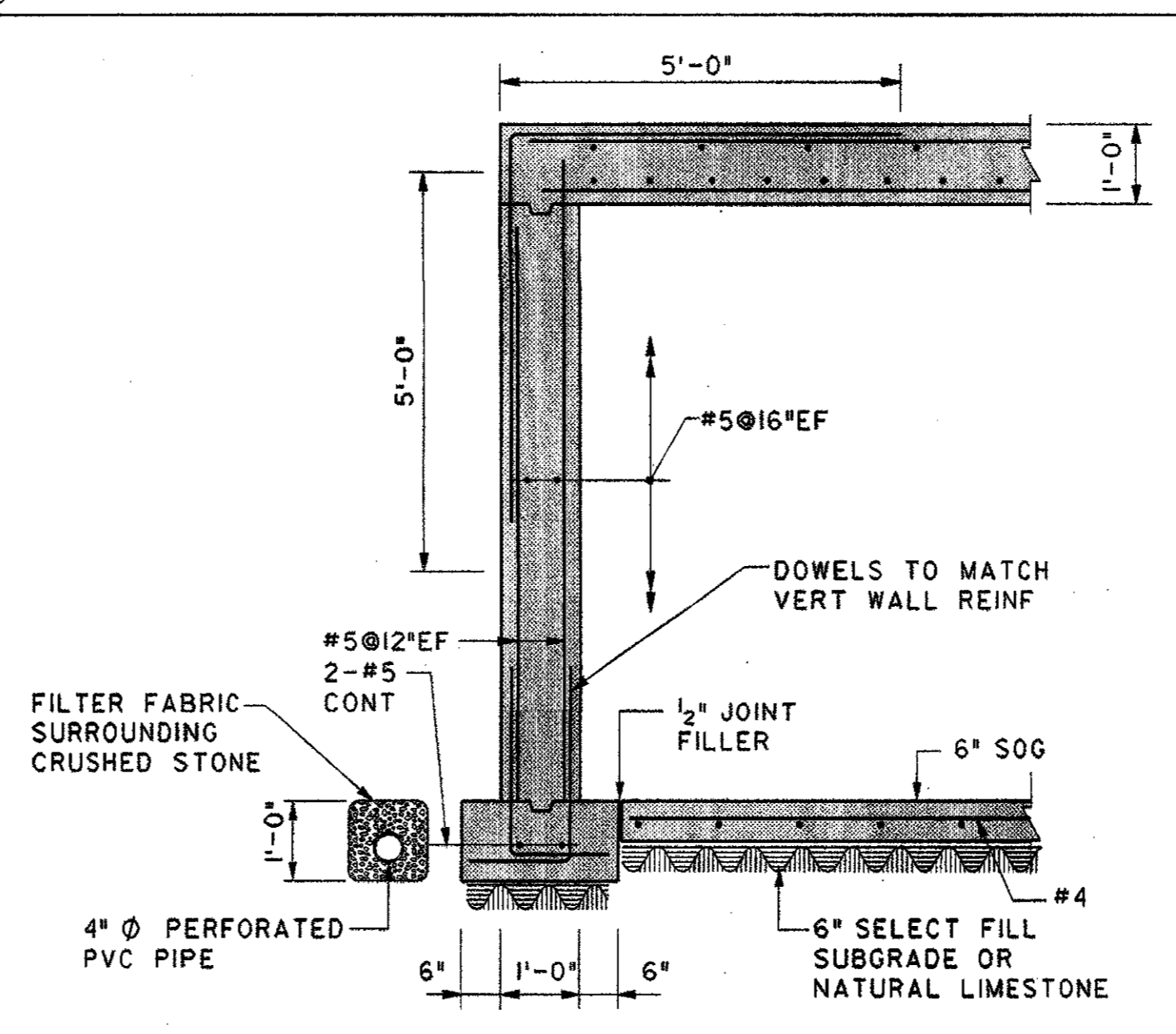
SCALE: 1/4\"/>

- NOTES:**
1. FOOTINGS SHALL BE FOUNDED ON SOUND LIMESTONE HAVING AN ALLOWABLE SOIL BEARING PRESSURE OF 7500 POUNDS PER SQUARE FOOT.
  2. ALL CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI.
  3. STEEL REINFORCEMENT FOR BARS, TIES AND STIRRUPS SHALL BE ASTM A615, GRADE 60.
  4. ROOF SLAB IS DESIGNED FOR A SUPERIMPOSED LOAD OF 250 POUNDS PER SQUARE FOOT PLUS THE WEIGHTS OF MATERIALS.
  5. BACKFILL BEHIND WALLS SHALL BE NON EXPANDING, SELECT GRAVEL FILL.



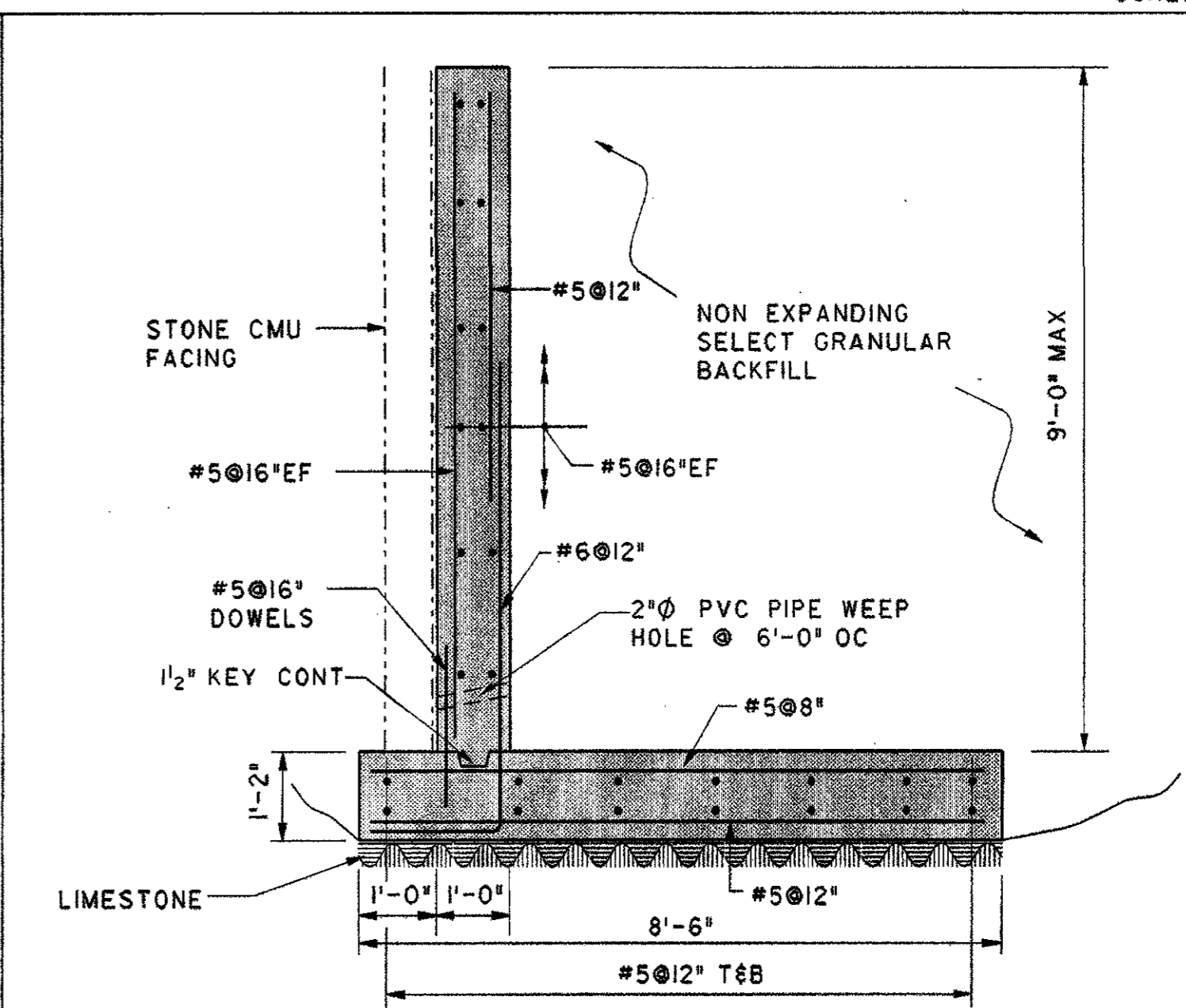
3 FRONT FOUNDATION WALL

SCALE: 1/4\"/>



2 TYPICAL FOUNDATION WALL

SCALE: 1/2\"/>

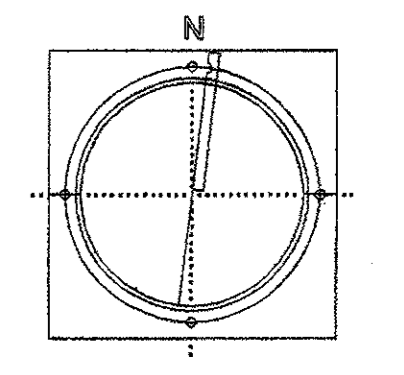
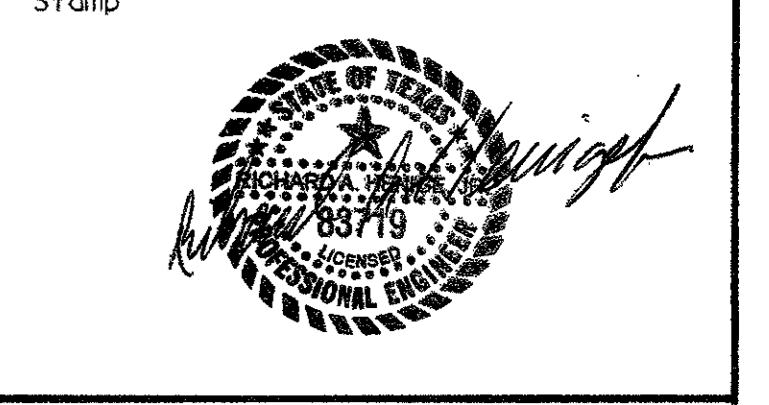


1 RETAINING WALL

SCALE: 1/2\"/>

ISSUED FOR CONSTRUCTION	9/30/2002
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	Date

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Project Title:  
**ADDISON ARTS & EVENTS DISTRICT**  
 ADDISON, TEXAS

Drawing Title:  
**ELECTRICAL ROOM STRUCTURAL DETAILS**

Project No: 14516.00 Scale: AS NOTED  
 Drawn By: CEC  
 Checked By: JEB  
 Approved By: JEB  
 Date: September 30, 2002

Drawing No. **S1-4**

US NAME: VOON, MERRICK, ANDERSON, ELECTRIC, VALET  
 LSA 22120, 08/09/02, 08/09/02, 08/09/02  
 ADMINISTRATION