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

CLARA STREET

CAP 8" SANITARY SEWER LINE AT MH 183

LIMIT OF WORK

PROTECT DRAIN INLET WITH FILTER FABRIC AND >12" ROCK ALONG LENGTH OF INLET

R&D CONCRETE CURB AND GUTTER

SAWCUT CONCRETE PAVING

R&D CONCRETE PAVING AND SUBBASE MATERIAL

R&D ASPHALT PAVING AND SUBBASE MATERIAL

R&D WATER METER, BOXES & SERVICES (METER LOCATION APPROXIMATED, VERIFY IN FIELD)

POWER POLES, OVERHEAD WIRES, AND ALL APPURTENANCES TO BE REMOVED BY OTHERS (N.I.C.)

APPROXIMATE LOCATION OF EXISTING 8" SANITARY SEWER LINE

ABANDON EXISTING 8" SANITARY SEWER LINE (IN PLACE)

R&D LANDSCAPE TIMBERS, R&S 3 HOSE BIBS, AND R&D PIPING TO THEM FROM GATE VALVE ON WATERLINE ALONG ADDISON ROAD

R&D CONCRETE PIPE

R&D GRAVEL PAVING

T.B.M.
60d NAIL IN POWER POLE
N 12,320.7279, E 9,776.2985
ELEV. 636.97

PROTECT DRAIN INLET WITH FILTER FABRIC AND >12" ROCK ALONG LENGTH OF INLET

STORM DRAIN PIPE TO BE CUT & CAPPED

6" VALVE TO BE CUT & CAPPED (ABANDON VALVE IN PLACE)

R&D CATCH BASINS AND STORM PIPE

R&D CONCRETE PIPES

ABANDON WATER LINE IN PLACE

R&D CONCRETE PIPES

ABANDON GAS LINE, R&S VALVES

R&S HYDRANT, WATER METER, AND GATE VALVES

POWER POLES, OVERHEAD WIRES, AND ALL APPURTENANCES TO BE REMOVED BY OTHERS (N.I.C.)

SAWCUT CONCRETE PAVING

R&S AND REUSE FIRE HYDRANT, ABANDON CONNECTION TO WATER MAIN

POWER POLES, OVERHEAD WIRES, AND ALL APPURTENANCES TO BE REMOVED BY OTHERS (N.I.C.)

ABANDON GAS LINE, R&S VALVES

CAP GAS MAIN

R&D CONCRETE CURB AND GUTTER

SAWCUT CONCRETE PAVING

R&D CONCRETE CURB AND GUTTER

R&D CONCRETE PAVING AND SUBBASE MATERIAL

R&D ASPHALT PAVING AND SUBBASE MATERIAL

R&D GRAVEL PAVING

R&D BUILDING AND FOUNDATION TOWN OF ADDISON WILL PROVIDE ASBESTOS ABATEMENT FOR THIS BUILDING PRIOR TO DEMOLITION BY CONTRACTOR. A FORMAL CERTIFICATION WILL BE AVAILABLE TO THE CONTRACTOR UPON REQUEST

R&D CHAIN LINK FENCE AND FOOTINGS

SEE DWG. C1-3

MATCH LINE

LIMIT OF WORK

SILT FENCE (SEE SHEET C7-14)

SEE DWG. C1-2

MATCH LINE

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

Stamp

STATE OF TEXAS
STEPHEN E. HAMMEY
57411
LICENSED
PROFESSIONAL ENGINEER

N

0 10' 20' 40'

Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

Drawing Title:

SITE PREPARATION/ DEMOLTION/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

ADDISON CIRCLE DRIVE

QUORUM DRIVE

PROTECT DRAIN INLET WITH FILTER FABRIC AND >12" ROCK ALONG LENGTH OF INLET

CUT AND PLUG 6" SEWER LINE

SAWCUT CONCRETE PAVING

R&D CONCRETE PAVING & SUBBASE MATERIAL

R&D CONCRETE CURB AND GUTTER

LIMIT OF WORK

LIMIT OF SAWCUT PAVING

R&S TREE GRATES

R&S BRICK PAVERS R&D CONCRETE BASE SLAB AND SUBBASE MATERIAL R&D TREEX AND OTHER PLANTS IN PLANTER PITS

R&D CONCRETE CURB AND GUTTER

ELECTRICAL TRANSFORMER AND SWITCHGEAR TO BE PROTECTED

LIMIT OF SAWCUT, R&D CONCRETE EDGING FOR BRICK PAVERS

SW. PB. 1630
N 12680.75.32
E 10584.1263
ELEV. 629.56

PROTECT DRAIN INLET WITH FILTER FABRIC AND >12" ROCK ALONG LENGTH OF INLET

UTILITY BOX TO BE PROTECTED

R&S BENCH

PROTECT EXISTING SIGNS

R&S BENCH

SEE GENERAL NOTES, SHEET C1-2

MATCH LINE

ABANDON EXISTING 6" SANITARY SEWER LINE IN PLACE

CHAIN LINK FENCE

SEE DWG. C1-1

BUILDING HAS BEEN REMOVED BY OWNER (N.I.C.)

R&D WOOD FENCE

5 REMOVE RING, MANHOLE COVER & CONE, & FILL IN C8-6

POWER POLES, OVERHEAD WIRES, AND ALL APHURTENANCES TO BE REMOVED BY OTHERS (N.I.C.)

R&D CHAIN LINK FENCE AND FOOTINGS

MATCH LINE

SEE DWG. C1-3

LIMIT OF WORK

T.B.M.
SQUARE CUT IN CURB
N 12,680.6806, E 10,874.1982
ELEV. 622.25

SW. PB. 1385
N 12415.6758
E 10528.4411
ELEV. 638.9103

SWY. PB. 2851
N 12680.5060
E 10883.3632
ELEV. 629.66

SWY. PB. 2851
N 12664.4
E 10901.4
ELEV. 629.66

PROTECT DRAIN INLET WITH FILTER FABRIC AND >12" ROCK ALONG LENGTH OF INLET

SAWCUT R&D CONCRETE EDGING FOR BRICK PAVERS

LIMIT OF WORK

MATCH LINE A-A

LIMIT OF SAWCUT, R&D CONCRETE EDGING FOR BRICK PAVERS

R&S BRICK PAVERS R&D CONCRETE BASE SLAB AND SUBBASE MATERIAL R&D TREE AND OTHER PLANTS IN PLANTER, PLANTING SOIL

R&D CONCRTE CURB AND GUTTER

LIMIT OF SAWCUT, R&D CONCRETE EDGING FOR BRICK PAVERS

LIMIT OF WORK

MATCH LINE A-A

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.

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

0 10' 20' 40'

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS
STEPHEN E. HAMWEY
57411
LICENSED LANDSCAPE ARCHITECT

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

R&D ASPHALT PAVING AND SUBBASE MATERIAL

R&D GRAVEL PAVING

R&D BUILDING AND FOUNDATION
TOWN OF ADDISON WILL PROVIDE ASBESTOS ABATEMENT FOR THIS BUILDING PRIOR TO DEMOLITION BY CONTRACTOR. A FORMAL CERTIFICATION WILL BE AVAILABLE TO THE CONTRACTOR UPON REQUEST

R&D CHAIN LINK FENCE AND FOOTINGS

POWER POLES, OVERHEAD WIRES, AND ALL APPURTENANCES TO BE REMOVED BY OTHERS (N.I.C.)

SEE DWG. C1-1 MATCH LINE

SEE DWG. C1-2 MATCH LINE

LIMIT OF WORK

SILT FENCE (SEE SHEET C7-14)

R&D BUILDING AND FOUNDATION

SEE DWG. C1-1
SEE DWG. C1-2

ABANDON EXISTING 6" SANITARY SEWER (IN PLACE)

CAP & PLUG 8" SANITARY SEWER AT D178

5 REMOVE RING, C8-6 MANHOLE COVER & CONE, & FILL IN

ABANDON EXISTING 6" SANITARY SEWER IN PLACE (CUT & PLUG AT MANHOLE D180)

CAP & PLUG

5 REMOVE RING, C8-6 MANHOLE COVER & CONE, & FILL IN

DALLAS AREA RAPID TRANSIT RAILROAD

LOT 25 LOT 24 LOT 22 LOT 8 LOT 9 LOT 10 LOT 11 LOT 12 LOT 13 LOT 14 LOT 15 LOT 16

GATE

IRON FENCE

FENCE/CHAINLINK

WOOD FENCE

STREET

66.23

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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

No.	Description	Date
1	ADDENDUM #2	10-21-02
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DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS
STEPHEN E. HAMMVEY
57411
LICENSED LANDSCAPE ARCHITECT
10/21/02

N

0 10' 20' 40'

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ADDISON, TEXAS

Drawing Title:

SITE PREPARATION/ DEMOLITION/EROSION CONTROL PLAN

Project No. 14516.00 Scale: 1"=20'-0"
Drawn By: LS
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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
- (o) 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

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
THE ELLIPSE
MAIN STAGE
GROVE
CENTRAL LAWN
TREE LAWN
FESTIVAL WAY
LIMIT OF WORK
MATCH LINE
PROPOSED PROPERTY LINE
CONSTRUCTION JOINT (MEET EXISTING)
EXISTING INTEGRAL CONCRETE CURB & GUTTER TO REMAIN
BRICK SIDEWALK SECTION AT ADDISON CIRCLE DRIVE
FUTURE SIDEWALK, NIC
CROSSWALK STRIPING, NIC
SECTION THROUGH ELECTRICAL TRANSFORMER
SERVICE DRIVE RAMP AT MAIN STAGE SECTION
PERGOLA ELEVATION NORTH PORTION
PERGOLA ELEVATION MIDDLE PORTION
PERGOLA ELEVATION SOUTH PORTION
SEE DWG. C2-2

1 C7-1 HANDICAP RAMP
11 C7-2 TRASH RECEPTACLE, TYPICAL
3 C7-3 TYPICAL LIGHT POLE FOUNDATION
1 C7-2 BRICK SIDEWALK SECTION AT ADDISON CIRCLE DRIVE
14 C7-1 INTEGRAL CURB AND GUTTER, MEET FLUSH WITH EXISTING
3 C7-5 FENCE PYLON ELEVATION
3 C7-1 EXPOSED AGGREGATE PAVING
5 C7-1 BRICK SIDEWALK PAVING
3 C7-2 TREE GRATE, TYP. TO MATCH EXISTING
2 C7-5 FENCE ELEVATION AND SECTION, TYP.
9 C7-1 BRICK/CONCRETE EXPANSION JOINT, TYP.
9 C7-2 DRINKING FOUNTAIN
6 C7-5 ELECTRICAL PANELS MOUNTED ON (1) 8'–0" FENCE SECTION, SEE ALSO DWG E1–1
9 C7-1 BRICK/CONC. EXPANSION JOINT
11 C7-1 EXPANSION JOINT, TYP.
2 C7-1 CONCRETE PAVING
2 C7-3 PEDESTRIAN LIGHT POLE FOUNDATION, TYP.
5 C7-3 30' POLE W/ (8) 1000W FIXTURES
10 C7-2 BENCH FOOTING DETAIL, TYP.
16 C7-1 TYPICAL REINFORCED EARTH SECTION
3 C7-1 EXPOSED AGGREGATE PAVING
10 C7-2 BENCH FOOTING DETAIL, TYP.
5 C7-2 MILLSAP STONE WALL, SIMILAR
1 E1-4 ELECTRICAL EQUIPMENT ROOM BELOW
5 C7-14 RAILING ON WALL
5 C7-14 WALL ELEVATION MAIN STAGE, WEST END
2 C6-1 PERGOLA SECTION
4 C6-1 TYPICAL PARTIAL FRAMING PLAN
1 C7-1 HANDICAP RAMP
1 C7-5 FENCE/PERGOLA COLUMN ELEVATION
11 C7-2 TRASH RECEPTACLE, TYP.
7 C7-5 SLIDING GATE
6 C7-2 PAINTED CROSSWALK
1 C8-3 TRANSVERSE EXPANSION JOINT (TYP.)
3 C7-4 COTTON BELT ROUTE DETAIL PLAN
1 C7-4 COTTON BELT ROUTE MARKER, TYP.

4	BULLETIN #4	04–14–03
3	BULLETIN #2	03–10–03
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1	ADDENDUM #2	10–21–02
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No.	Description	Date

DWG ISSUE & REVISION HISTORY

Stamp: STATE OF TEXAS · STEPHEN E. HAMWEY · 57411 · LICENSED PROFESSIONAL ENGINEER

0 10' 20' 40'

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

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

A D D I S O N C I R C L E D R I V E

BRICK SIDEWALK SECTION AT ADDISON CIRCLE DRIVE (5 C7-1) (14 C7-1)

5 C7-1 BRICK SIDEWALK PAVING

14 C7-1 INTEGRAL CURB AND GUTTER, TYP.

5 C7-3 GARDEN LIGHT BASE, TYP.

3 C7-3 TYPICAL LIGHT POLE FOUNDATION

EXISTING TREE PLANTER TO REMAIN

15 C7-1 STONE DUST SURFACING LIMIT OF WORK

10 C7-2 BENCH FOOTING DETAIL, TYP.

13 C7-2 PAVING AT PAVILION

15 C7-1 STONE DUST SURFACING

ALIGN

TREE GRATE, TYP. TO MATCH EXISTING 31 C7-2

TREE LAWN

NEW TRANSFORMER LOCATION

GARDEN

GARDEN

LAWN

1 S1-2 3 C7-1 GARDEN STAIR: LONGITUDINAL SECTION (B)

1 S1-2 3 C7-1 GARDEN STAIR: LONGITUDINAL SECTION (A)

PAVILION N.I.C.

MATCH LINE

9 C7-2 DRINKING FOUNDATION

7 C7-1 LIMESTONE PAVING IN GARDEN COURTS

3 C7-1 EXPOSED AGGREGATE PAVING

7 C7-1 LIMESTONE PAVING IN GARDEN COURTS

11 C7-2 TRASH RECEPTACLE, TYP.

FOUNTAIN PLAZA

2 C7-3 PEDESTRIAN LIGHT POLE FOUNDATION, TYP.

11 C7-1 EXPANSION JOINT, TYP.

SEE SHEET C5-1 FOR LAYOUT & MATERIALS PLAN DETAIL

30' x 16' UNDERGROUND VAULT

LAWN

SEE SHEET C5-1 FOR LAYOUT & MATERIALS DETAIL

16 C7-1 TYPICAL REINFORCED EARTH SECTION

SVY. PT. 1385
N 12415.6758
E 10526.4411
ELEV. 630.0100

WATER GARDEN

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

SEE DWG. C2-1

THE BOWL

1 C7-4 COTTON BELT ROUTE MARKER, TYP.

2 C7-3 PEDESTRIAN LIGHT POLE FOUNDATION, TYP.

11 C7-1 EXPANSION JOINT, TYP.

SEE SHEET C5-2 FOR LAYOUT & MATERIALS PLAN DETAIL

3 C7-1 EXPOSED AGGREGATE PAVING

1 C7-1 HANDICAP RAMP

3 C7-5 FENCE PYLON ELEVATION

2 C7-5 FENCE ELEVATION AND SECTION, TYP.

2 C7-1 CONCRETE PAVING

GROVE

16 C7-1 TYPICAL REINFORCED EARTH SECTION

LIMIT OF WORK

QUORUM DRIVE

ELECTRICAL PANELS MOUNTED ON FENCE, SEE ALSO E1-2 6 C7-5

SEE SHEET C5-2 FOR LAYOUT & MATERIALS DETAIL

8.0'

12.0'

12.0'

16.0'

F E S T I V A L W A Y

14 C7-1 INTEGRAL CURB AND GUTTER, TYP.

1 C8-3 TRANSVERSE EXPANSION JOINT (TYP.)

SAWED TRANSVERSE DUMMY JOINTS SAPCED 15'-0"

LIMIT OF WORK

MATCH LINE

CONSTRUCTION JOINT (MEET EXISTING)

1 C7-1 HANDICAP RAMP

14 C7-1 INTEGRAL CURB AND GUTTER, MEET FLUSH WITH EXISTING

5 C7-1 BRICK SIDEWALK PAVING

EXISTING CURB & GUTTER TO REMAIN

LIMIT OF WORK

MATCH LINE A-A

LIMIT OF WORK

MATCH LINE A-A

SEE DWG C3-2 FOR WORK IN THIS AREA

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
- 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

N

0 10' 20' 40'

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No.	Description	Date
4	BULLETIN #4	04-14-03
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DWG ISSUE & REVISION HISTORY

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STATE OF TEXAS
STEPHEN E. HAMMEY
57411
LICENSED PROFESSIONAL ENGINEER

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
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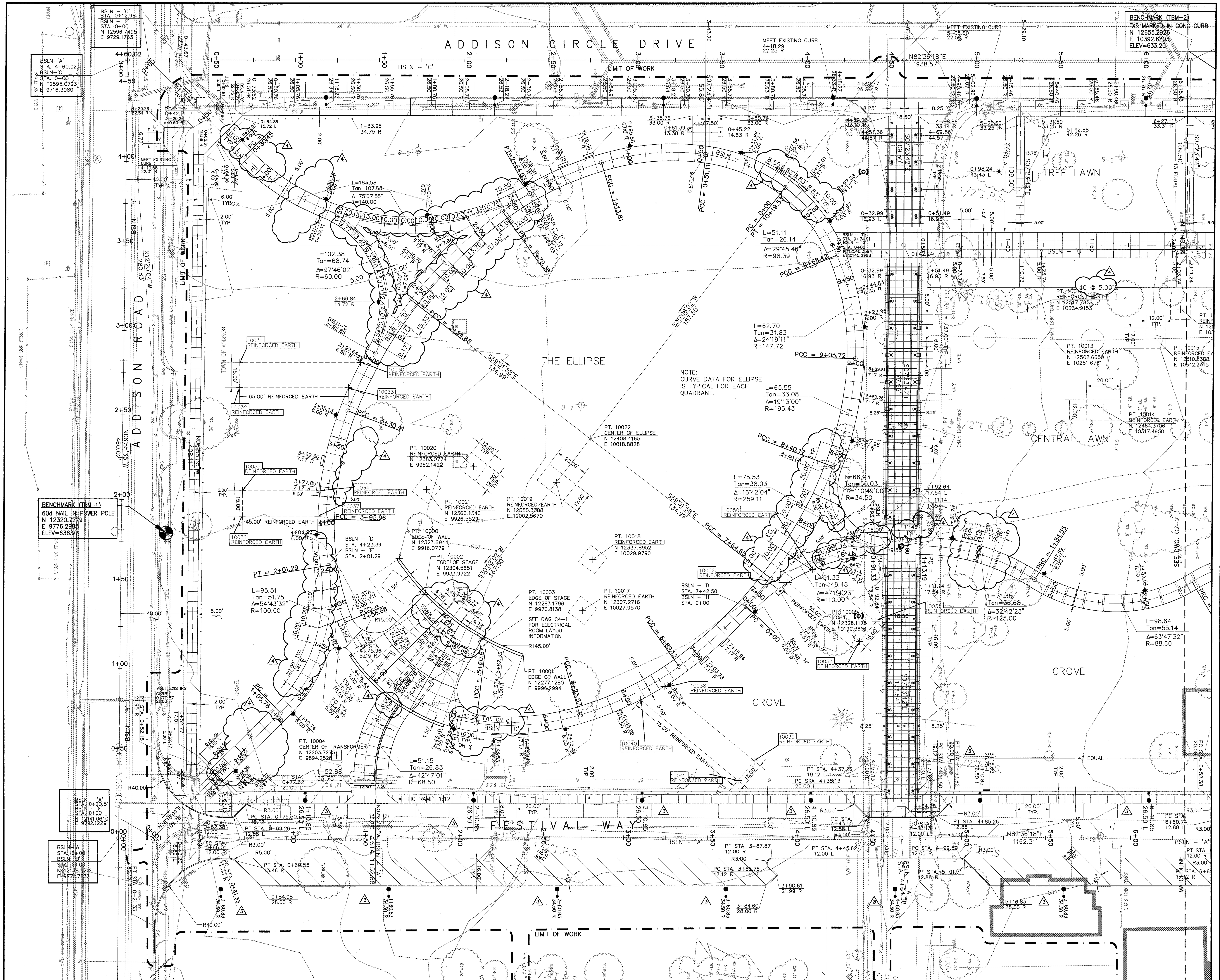
Drawing No. C2-2



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.

No.	Description	Date
4	BULLETIN #5	04-22-03
3	BULLETIN #2	03-10-03
	ISSUED FOR CONSTRUCTION	11-26-02
1	ADDENDUM #2	10-21-02
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DWG ISSUE & REVISION HISTORY

Stamp

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0 10' 20' 40'

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Project Title:

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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

BENCHMARK (TBM-2)
"X" MARKED IN CONC CURB
N 12665.2926
E 10392.6203
ELEV=633.20

ADDISON CIRCLE DRIVE

SEE C5-3 FOR LAYOUT OF THIS AREA

LIMIT OF WORK

MEET EXISTING CURB

ALIGN WITH EXISTING CURB

BSLN – 'C'
STA. 12+03.42
N 12721.5418
E 10911.3515

BSLN – 'C'
STA. 10+32.29

BSLN – 'C'
STA. 9+57.07
N 12524.9113
E 10796.9020

BSLN – 'J'
STA. 5+72.00
N 12689.4527
E 10817.4636

L=264.85
Tan=132.94
Δ=12°20'14"
R=1230.00

PT = 12+03.32

PT. 10006
CENTER OF TRANSFORMER
N 12632.0938
E 10432.6135

PT. 10007
EDGE OF LAWN
N 12677.7868
E 10611.8951

PT. 10023
EDGE OF WALL
N 12599.8418
E 10859.2864

PT. 10024
EDGE OF WALL
N 12554.0086
E 10860.0044

PT. 10025
EDGE OF WALL
N 12509.3228
E 10860.5253

PT. 10026
EDGE OF WALL
N 12473.1578
E 10860.4444

PT. 10027
EDGE OF WALL
N 12429.2770
E 10860.7217

PT. 10028
EDGE OF WALL
N 12393.3907
E 10862.0117

PT. 10016
REINFORCED EARTH
N 12529.4371
E 10354.6870

PT. 10015
REINFORCED EARTH
N 12510.5368
E 10342.3415

PT. 10014
REINFORCED EARTH
N 12464.3706
E 10317.4900

PT. 10009
REINFORCED EARTH
N 12432.2043
E 10702.9445

PT. 10010
REINFORCED EARTH
N 12391.5556
E 10726.5386

PT. 10011
REINFORCED EARTH
N 12347.3020
E 10669.7206

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

BSLN – 'I'
STA. 0+00
N 12354.9054
E 10861.1242

BSLN – 'A'
STA. 11+62.31
N 12288.0227
E 10924.4251

TREE LAWN

GARDEN

LAWN

CANOPY N.I.C.

FOUNTAIN PLAZA

32' x 18' UNDERGROUND VAULT

WATER GARDEN

THE BOWL

GROVE

LAWN

FESTIVAL WAY

QUORUM DRIVE

50.00' REINFORCED EARTH

SAWED TRANSVERSE DUMMY JOINTS SAPCED 15'-0"

SEE DWG. C2-1

SEE DWG C3-2 FOR WORK IN THIS AREA

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

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

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No.	Description	Date
5	BULLETIN #6	04–30–03
4	BULLETIN #5	04–22–03
3	BULLETIN #2	03–10–03
2	BULLETIN #1	12–30–02
	ISSUED FOR CONSTRUCTION	11–26–02
1	ADDENDUM #2	10–21–02
	ISSUED FOR CONSTRUCTION	09–30–02

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS
STEPHEN E. HAMMES
57411
REGISTERED
PROFESSIONAL ENGINEER

N

0 10' 20' 40'

Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

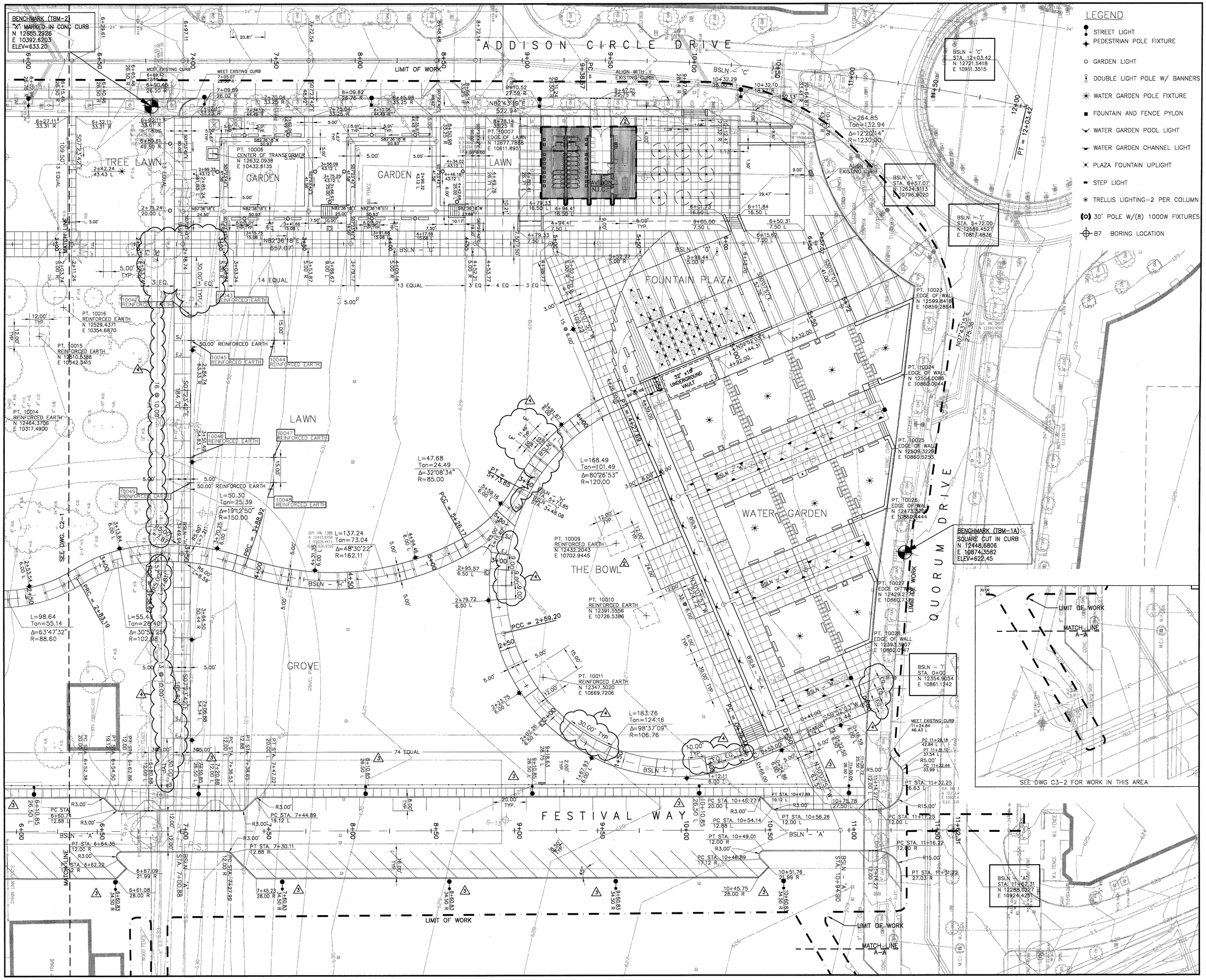
Drawing Title:

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



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

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

DWG ISSUE & REVISION HISTORY

SASAKI
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Stamp

STATE OF TEXAS
STEPHEN E. HAMMEY
57411
LICENSED
PROFESSIONAL ENGINEER

0 10' 20' 40'

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 (5)
- 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
- FL FLOW LINE
- I INVERT ELEVATION
- K KIOSK UTILITY BOX
- 10000 XXXXXXXX POINT FOR COORDINATE SYSTEM

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

FESTIVAL WAY

LIMIT OF WORK

CONNECT UNDERDRAINAGE PIPING TO EXISTING GUTTER INLET STRUCTURE I=632.37

WYE CONNECTION I=629.81(18"RCP) (VERIFY EXISTING PIPE LOCATION & EL. ON SITE)

10163 18"RCP WYE/EX. DRAIN PIPE

37 LF-18"RCP CLASS III DRAIN PIPE S=0.005

CONNECT UNDER-DRAINAGE PIPING TO EXISTING GUTTER INLET STRUCTURE I=630.92

MEET EXISTING GRADE

2" CLEANOUT

4" PVC (UNDER DRAIN) S=0.005

4" PVC (UNDER DRAIN) S=0.006

I=633.33

I=632.80

I=630.72

10162 AREA DRAIN 6 SW RIM=636.00 I=631.00 NW R7 RIM=635.50 I=630.00

6 C8-8 KIOSK UTILITY BOX

4" PVC DRAIN LINE (TYP.)

6 C7-5 ELECTRICAL PANELS MOUNTED ON (1) 8'-0" FENCE SECTION, SEE ALSO DWG E1-1

B-1 B-2 B-3 B-4 B-5 B-6 B-7

6 C8-7 DMH 2 R=635.77 I=631.50(N) I=631.40(OUT)

12" ADS N-12 W/ ADAPTER FITTING

43LF-12"MANIFOLD I=631.50 S=0.00

10" CLEANOUT PORT (TYP. OF 8)

10102 DMH 2

10153 COR. OF RET-FIELD 1

57LF-36" ADS N-12 DRAIN PIPE (TYP. OF 8) S=0.00

10151 COR. OF RET-FIELD 4

RETENTION FIELD 1

PROPOSED RETENTION FIELD 1
42'Wx60'Lx3.5'D
TOP OF 36"PIPE=632.50
I OF 36"PIPE=629.50
BOTTOM OF FIELD=629.00
TOTAL STORAGE VOLUME=5,826 CF

8" CLEANOUT PORT (TYP. OF 8)

24" ADS N-12 W/ ADAPTER FITTING

51 LF-15"RCP CLASS III DRAIN PIPE S=0.005

10152 COR. OF RET-FIELD 1

R2 RIM=634.50 I=630.87

38LF-24"MANIFOLD I=630.50 S=0.00

5 C8-7 DMH 1 R=635.00 I=630.61(R1) I=630.51(R2) I=630.51(OUT)

10104 AREA DRAIN 2

50 LF-15"RCP CLASS III DRAIN PIPE S=0.005

10103 DMH 1

10175 AREA DRAIN 4 RIM=634.50 I=630.66

266 LF-18"RCP CLASS III DRAIN PIPE S=0.005

2 R5 C8-7 RIM=634.50 I=630.41

10111 AREA DRAIN 5

68 LF-15"RCP CLASS III DRAIN PIPE S=0.005

87LF-36"ADS N-12 DRAIN PIPE (TYPE OF 9) S=0.00

PROPOSED RETENTION FIELD 2
47'Wx90'Lx3.5'D
TOP OF 36"PIPE=631.48
I OF 36"PIPE=628.48
BOTTOM OF FIELD=627.98
TOTAL STORAGE VOLUME=9,808 CF

10116 COR. RET. FIELD 2

10-" CLEANOUT PORT (TYP. OF 9)

12" ADS N-12 W/ ADAPTER FITTING

6 C8-7 DMH 6 R=637.60 I=630.48(IN) I=630.30(OUT)

10117 COR. RET. FIELD 3

10118 DMH 8

6LF 8" WIDE TRENCH DRAIN W/ 8" PVC OUTLET AT THE END 10.75" GRATE RIM=630.75 (D.I. SLOTTED GRATE) HP 640.17

5 C8-8 DRAIN W/ 8" PVC I=631.0 I=630.16 I=629.88

10106 TRENCH DRAIN

10105 AREA DRAIN 3

95 LF-15"RCP CLASS III DRAIN PIPE S=0.005

WYE CONNECTION I=630.46(15"RCP)

R3 RIM=635.40 I=630.94

24 LF-8"PVC S=0.005

DMH 4A R=638.67 I=629.54(IN) BOT=629.44(SUMP) I=629.44(OUT)

10154 DMH 4A

116 LF-15"RCP CLASS III DRAIN PIPE S=0.005

DMH 4 R=636.36 I=630.86(DMH4A) I=630.07(R5) I=629.97(OUT)

10110 DMH 4

48 LF-24"MANIFOLD INV=629.48 S=0.00

10175 COR. RET. FIELD 2

79 LF-15"RCP CLASS III DRAIN PIPE S=0.005 + 636.5 HP

24" ADS N-12 W/ ADAPTER FITTING

10114 COR. RET. FIELD 2

5 C8-8 DMH 5 R=636.90 I=629.58(DMH4) I=629.58(R6) I=629.48(OUT)

10112 DMH 5

R6 RIM=635.00 I=629.75

10113 AREA DRAIN 8

34 LF-15"RCP CLASS III DRAIN PIPE S=0.005

109 LF-15"RCP CLASS III DRAIN PIPE S=0.005

15 LF-15"RCP CLASS III DRAIN PIPE

14 LF-15"RCP CLASS III DRAIN PIPE S=0.005

CURB INLET 1 6" REC. INLET TC 634.78 FL 630.28

CURB INLET 2 6" REC. INLET TC 634.78 FL 630.28

CURB INLET 3 6" REC. INLET TC 635.21 FL 630.71

CURB INLET 4 6" REC. INLET TC 635.21 FL 630.71

CURB INLET 5 6" REC. INLET TC 635.21 FL 630.71

18 LF-15"RCP CLASS III DRAIN PIPE

DOUBLE WYE CONNECTION I=630.15(15"RCP)

56 LF-18"RCP CLASS III DRAIN PIPE S=0.005

10149 CURB INLET 1

10150 CURB INLET 2

10148 DMH 3

15" DOUBLE WYE/18"RCP

WYE CONNECTION I=627.69 (EXISTING 42"PIPE) I=629.69 (PROPOSED 18"PIPE) (VERIFY EXISTING PIPE LOCATION & EL. ON SITE)

10100 18"RCP INTERSECT EX. DRAIN PIPE

11 LF-15"RCP CLASS III DRAIN PIPE

DMH 3 R=634.68 I=630.07(DMH2) I=629.97(OUT)

10157 CURB INLET 3

10158 15" DOUBLE WYE/18" RCP

10121 CURB INLET 4

DMH 7 R=635.07 I=629.75(DMH6) I=629.21(OUT)

DOUBLE WYE CONNECTION I=629.26(15"RCP)

15 LF-15"RCP CLASS III DRAIN PIPE

311 LF-18"RCP CLASS III DRAIN PIPE S=0.01

SEE DWG. C3-2

MATCH LINE

LIMIT OF WORK

1/2"I.P.S.

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

DWG ISSUE & REVISION HISTORY

Stamp

COMMONWEALTH OF MASSACHUSETTS — STEPHEN E. HAMMEY — 57411 — REGISTERED PROFESSIONAL ENGINEER — 10/21/02

N

0 10' 20' 40'

Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

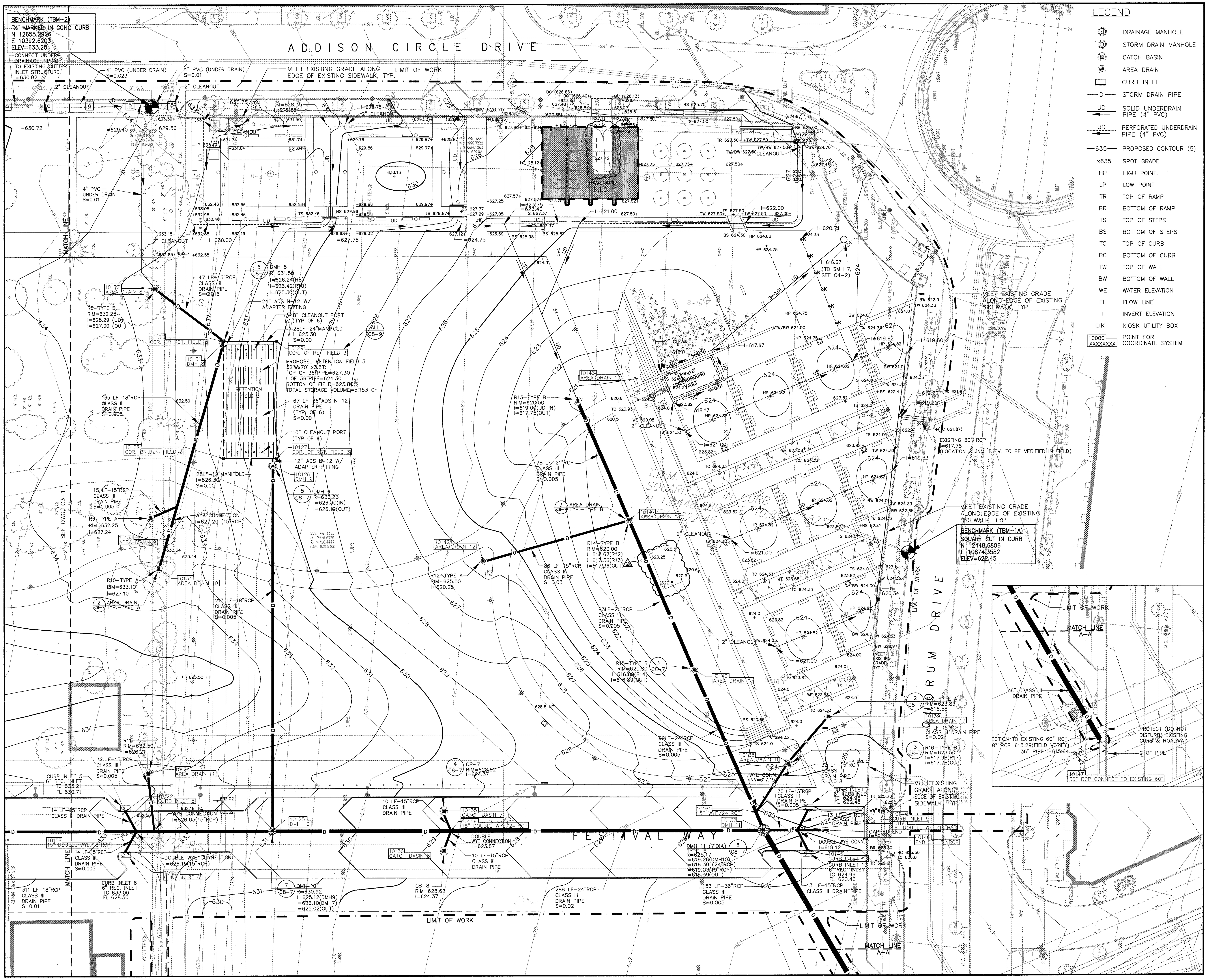
Drawing Title:

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



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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS — STEPHEN E. HAMWEY — 57411 — LICENSED PROFESSIONAL ENGINEER

N

0 10' 20' 40'

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
- S — SANITARY SEWER MANHOLE
- SS — SANITARY SEWER
- W — WATER MAIN
- G — GAS
- FIRE HYDRANT
- WV — GATE VALVE
- YHA / YHB — YARD HYDRANT (SEE DWG. C8-5) (2)
- 1"W — DF — DRINKING FOUNTAIN
- 6"SS — 6" SANITARY SEWER STUB OUT WITH 4" PVC VERTICAL CLEAN OUT
- T — ELECTRIC TRANSFORMER
- 10000 XXXXXXXX — POINT FOR COORDINATE SYSTEM

ADDISON CIRCLE DRIVE

EXISTING SMH RIM=636.91 I=626.36 (IN) I=626.31 (OUT)

4" PVC VERTICAL CLEANOUT, RIM=636.23

SEWER PIPE STUB I=626.31

35 LF 6"SDR35 PVC SEWER PIPE S=0.02

I=625.61

10226 16" SEWER PIPE TO EX. SMH

LIMIT OF WORK

10227 6" STUB OUT CAP

10225 6" CLEANOUT

6"SS

EXISTING SMH RIM=635.32 I=624.94

CURB VALVE BOX

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

10285 1" WATER PIPE

10286 DRINKING FOUNTAIN

10289 YARD HYDRANT

10284 2" WATER

6 C7-5 ELECTRICAL PANELS MOUNTED ON (1) 8'-0" FENCE SECTION, SEE ALSO DWG E1-1

8"X2" REDUCER

10282 8"X8" TEE

8"GATE VALVE
8"x8"TEE
8"GATE VALVE

436 LF 8" WATER MAIN AWWA C909 PVC (TYP)

MATCH LINE

10283 YARD HYDRANT

10288 YARD HYDRANT

323 LF 8" WATER MAIN AWWA C909 PVC (TYP)

3 C8-4 2" TYPE K COPPER WATER PIPE

10298 2" WATER PIPE

10294 YARD HYDRANT

10293 YARD HYDRANT

10299 2" WATER PIPE

10292 YARD HYDRANT

10297 2" WATER PIPE

10295 YARD HYDRANT

ALL C8-9

APPROX. LOCATION OF EXISTING 2" WATER VALVE

2" WATER PIPE TIES INTO THE EXISTING 2" WATER VALVE

10300 2" WATER PIPE (EX. W. YARD)

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

10314 UNDERGROUND ELEC.ROOM

10315 UNDERGROUND ELEC.ROOM

10316 UNDERGROUND ELEC.ROOM

10317 8" WATER

10328 METER VAULT

10329 METER VAULT

10331 REF. VAULT

10330 RPP VAULT

TRANSFORMER SEE ELECTRICAL DWG FOR COORDINATES

8" BACKFLOW PREVENTER IN PRECAST CONCRETE VAULT (7'-10"Lx4'-4"Wx6'H) VAULT TO BE SET 12" BELOW GRADE WITH 2'-6"x4' HATCH AT GRADE

8" WATER METER IN PRECAST CONCRETE VAULT (13'Lx7'Wx6'H) VAULT TO BE SET 12" BELOW GRADE WITH 3'x5' HATCH AT GRADE

90° BEND

SEWER PIPE STUB I=626.85

10242 YARD HYDRANT

10241 6" STUB OUT CAP

10240 6" CLEANOUT

10243 YARD HYDRANT

TYPE K COPPER WATER PIPE, TYP.

8" WATER MAIN AWWA C909 PVC, TYP.

10244 YARD HYDRANT

SEWER PIPE STUB I=627.41

4" PVC VERTICAL CLEANOUT, RIM 635.78

28 LF 6" SDR35 PVC SEWER PIPE S=0.02

10245 YARD HYDRANT

EXISTING SMH RIM TO BE RAISED TO EL=635.79

EXISTING SMH RIM=635.23 I=623.33

10292 YARD HYDRANT

SEWER PIPE STUB I=624.12

4" PVC VERTICAL CLEANOUT, RIM 634.38

28 LF 6"SDR35 PVC SEWER PIPE S=0.02

8" WATER MAIN AWWA C909 PVC, TYP.

4 C8-4 8" GATE VALVE

10253 YARD HYDRANT

10254 4" CLEANOUT

10255 4" CLEANOUT

10251 8" TEE

10233 6" STUB OUT CAP

10249 12"X8" TEE

10214 4" CLEANOUT

10235 6" STUB OUT CAP

10208 8" WYE CONN

12"x8" TEE

12"x6" TEE

10238 24"X12" TEE ON ADDISON CIRCLE

24"X12" T.S.&V. (INTO 24" CONCRETE CYLINDER PIPE)

10312 12"x8" TEE

10327 12"x8" TEE

10217 SMH 3

8" GATE VALVE

12"x 8" TEE

12" GATE VALVE

WYE CONNECTION I=626.29

10213 6" WYE CONN

8" GATE VALVE

10218 4" CLEANOUT

4" PVC VERTICAL CLEANOUT, RIM 635.98

6" GATE VALVE

10238 PROPOSED HYDRANT

PROPOSED HYDRANT

SMH 3 RIM=634.88 I=626.67

2 C8-6

40 LF 8" SDR35 PVC SEWER PIPE S=0.02

4" CLEANOUT

SEWER PIPE END & CAP FOR FUTURE DEVELOPMENT, TYP. I=627.07

10245 8"W STUB OUT CAP

WATER PIPE END & CAP FOR FUTURE DEVELOPMENT, TYP.

10238 4" GAS MAIN

4" GAS MAIN TO BE INSTALLED IN THE FUTURE

358 LF 8" SDR35 PVC SEWER PIPE S=0.01

10246 PROPOSED FIRE HYDRANT

5 C8-4 PROPOSED HYDRANT

10247 MATCH LINE YARD HYDRANT

BUILT CAST-IN-PLACE SEWER MANHOLE AROUND THE EXISTING 8" SEWER MAIN

3 C8-6

WYE CONNECTION I=623.97

SMH 2 RIM=634.87 I=623.09

10212 SMH 2

WYE CONNECTION I=623.56

SEE DWG. C4-3

10254 FIRE HYDRANT

PROPOSED HYDRANT

WYE CONNECTION I=623.77

8" WATER MAIN (AWWA C909 PVC) CONNECT TO EXISTING 8" IN BROADWAY ST.

42 LF 8"SDR35 PVC SEWER PIPE S=0.02

4" CLEANOUT

SEWER PIPE STUB I=624.61

WATER PIPE END & CAP FOR FUTURE DEVELOPMENT

10209 6" CLEANOUT

10234 6" STUB OUT CAP

10255 8"W WATER CAP

42 LF 8"SDR35 PVC SEWER PIPE S=0.02

4" CLEANOUT

SEWER PIPE STUB I=624.87

SEE DWG. C4-2

LIMIT OF WORK

FESTIVAL WAY

ADDISON ROAD

CHAIN LINK FENCE

GATE

CURB

GRAVEL

LOT 1 LOT 2 LOT 5 LOT 6 LOT 7 LOT 26

B-1 B-5 B-6 B-7 B-8

HC RAMP 1:12

1/2"I.P.S.

0 10' 20' 40'

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS
STEPHEN E. HAMMEY
57411
LICENSED
PROFESSIONAL ENGINEER

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

MEET EXISTING GRADE ALONG EDGE OF EXISTING SIDEWALK, TYP.

LIMIT OF WORK

10281 DRINKING FOUNDATION

CURB VALVE BOX

10280 8"X2" WATER CONNECTION

WATER PIPE STUB

10277 6"X8" TEE

8"x6" REDUCER

6" GATE VALVE

6"-90° BEND

8" GATE VALVE
8"-45° BEND

10276 8" WATER PIPE

436 LF
8" WATER MAIN
AWWA C909 PVC (TYP)

40 LF
6"SDR35
PVC SEWER PIPE
S=0.01

10273 6"X4" CONNECTION

SEWER LINE PROFILE

4" SDR35 PVC
SEWER PIPE TO
POOL DISCHARGE,
SEE SHEET F2-1

WYE CONNECTION
I=612.62

253 LF
8" WATER MAIN
AWWA C909 PVC (TYP)

270 LF
6"SDR35
PVC SEWER PIPE
S=0.01

CURB VALVE BOX

10270 12"x2" CONNECTION

SEWER PIPE STUB
I=611.74

4" CLEANOUT

17 LF
8"SDR35
PVC SEWER PIPE
S=0.02

10221 SMH 6

SMH 6
RIM=624.86
I=611.40(SMH5)
I=611.40(8" STUB)
I=611.23(OUT)

10220 SMH 5

SMH 5
RIM=624.00
I=611.80

10278 8" WATER PIPE

10274 4" WATER PIPE

10275 4" WATER PIPE

10304 COR. OF UNDERGROUND VAULT

10307 COR. OF UNDERGROUND VAULT

32' x16' UNDERGROUND VAULT

10306 COR. OF UNDERGROUND VAULT

10305 COR. OF UNDERGROUND VAULT

10272 1"x2" WATER PIPE

10271 DRINKING FOUNTAIN

155 LF
8"SDR35
PVC SEWER PIPE
S=0.01

EXISTING SMH
RIM=623.94
I=609.04(OUT)
I=609.28(PROPOSED INLET)

10223 8" SEWER PIPE TO EX. SMH

40 LF
8"SDR35
PVC SEWER PIPE
S=0.02

10222 SMH 7

SMH 7 (DROP-MH)
RIM=624.10
I=616.67 (IN-UD)
I=609.88 (SMH6)
I=609.68 (OUT)

MEET EXISTING GRADE ALONG EDGE OF EXISTING SIDEWALK, TYP.

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

MEET EXISTING GRADE ALONG EDGE OF EXISTING SIDEWALK, TYP.

QUORUM DRIVE

(MEET EXISTING GRADE, TYP.)

10309 8" WATER

10219 SMH 4

SMH 4
RIM=620.30
I=614.50

10308 8" WATER

8" GATE VALVE

10310 8"x8" TEE

8" BACKFLOW PREVENTER IN PRECAST CONCRETE VAULT (7'-10"Lx4'-4"Wx6'H) VAULT TO BE SET 12" BELOW GRADE WITH 2'-6"x4' HATCH AT GRADE

10326 BFP VAULT

8" WATER METER IN PRECAST CONCRETE VAULT (13'Lx7'Wx6'H) VAULT TO BE SET 12" BELOW GRADE WITH 3'x5' HATCH AT GRADE

CONNECTION TO ROOL DISCHARGE, SEE SHEET F1-2

10264 8" WATER

10328 BFP VAULT

10324 METER VAULT

10323 METER VAULT

1 C8-5 YARD HYDRANT

SEWER PIPE STUB
I=625.22

4" PVC VERTICAL CLEANOUT, RIM 630.18

28 LF
6"SDR35
PVC SEWER PIPE

10265 YARD HYDRANT

8" WATER MAIN
AWWA C909 PVC, TYP.

10267 YARD HYDRANT

SEWER PIPE STUB
I=624.55

4" PVC VERTICAL CLEANOUT, RIM 633.26

28 LF
6"SDR35
PVC SEWER PIPE

10232 6" STUB OUT CAP

10268 YARD HYDRANT

10229 6" STUB OUT CAP

10202 4" CLEANOUT

10208 8" WYE CONN

12"x8" TEE

10206 8" WYE CONN

10207 8" WYE CONN

8"GATE VALVE

WYE CONNECTION
I=623.99

WYE CONNECTION
I=624.03

10201 4" CLEANOUT

10234 6" STUB OUT CAP 4"G

10255 8"W WATER CAP

42 LF
8"SDR35
PVC SEWER PIPE
S=0.02

4" CLEANOUT

SEWER PIPE STUB
I=624.87

10256 8"W WATER CAP

10204 4" CLEANOUT

10233 6" STUB OUT CAP

WATER PIPE STUB END & CAP FOR FUTURE DEVELOPMENT

380 LF
8"SDR35
PVC SEWER PIPE
S=0.004

10203 8" WYE CONN

WYE CONNECTION
I=624.68

12"x8" TEE

8" GATE VALVE

10200 SMH 1

SMH 1
RIM=625.40
I=624.61

10269 FIRE HYDRANT

PROPOSED HYDRANT

MATCH LINE

44 LF
8"SDR35 PVC
SEWER PIPE
S=0.02

4" CLEANOUT

SEWER PIPE STUB
I=625.49

10201 4" CLEANOUT

10230 8" STUB OUT CAP

LIMIT OF WORK

4"G

4" GAS MAIN TO BE INSTALLED IN THE FUTURE

SEE DWG. C4-3

10332 YARD HYDRANT

WATER PIPE STUB

10265 8"W STUB OUT CAP

CAPPED END

10317 4" GAS MAIN

LIMIT OF WORK

MATCH LINE A-A

1176 LF
12" WATER MAIN
AWWA C909 PVC (TYP)

10263 12" x 8" TEE

10322 12"x8" TEE

12"x8" TEE

8" GATE VALVE

12" GATE VALVE

45° BEND

8"-45° BEND

22.5° BEND

10262 24"x12" TEE

24"x12" T.S.&V (INTO 24" CONCRETE CYLINDER PIPE)

INSTALL 12" WATER PIPE BY MEANS OTHER THAN OPEN CUT. PROVIDE SCHEDULE 40 STEEL PIPE SLEEVE, GROUT EACH END, PROVIDE PIPE SPACERS.

MEET EXISTING GRADE ALONG EDGE OF EXISTING SIDEWALK, TYP.

LIMIT OF WORK

MATCH LINE A-A

SEE DWG. C8-5 FOR DETAILS

ALL C8-9

T.L.M. SQUARE
N 12468.6815
E 10874.0582
ELEV=622.15

T.L.M. CURB
N 12448.6806
E 10874.3582
ELEV=622.82

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
- YHA YHB YARD HYDRANT (SEE DWG. C8-5)
- —¾"W— —1"W— DF DRINKING FOUNTAIN
- —6"SS— 6" SANITARY SEWER STUB OUT WITH 4" PVC VERTICAL CLEAN OUT
- T ELECTRIC TRANSFORMER
- 10000 XXXXXXXX POINT FOR COORDINATE SYSTEM

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

DWG ISSUE & REVISION HISTORY

Stamp

COMMONWEALTH OF MASSACHUSETTS
STEPHEN E. HAMWEY
57411
REGISTERED PROFESSIONAL ENGINEER

N

0 10' 20' 40'

Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

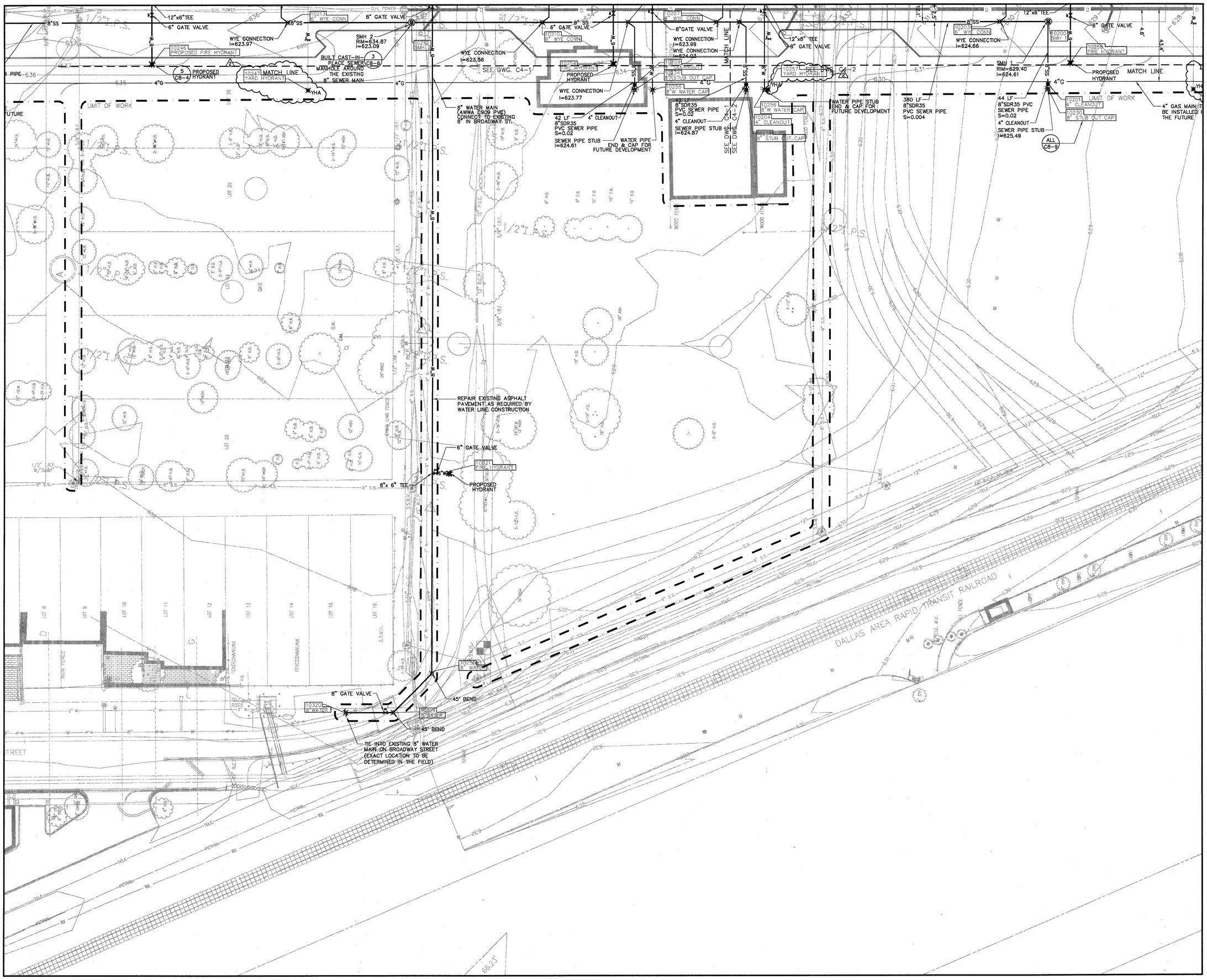
Drawing Title:

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



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LEGEND

- STORM DRAIN MANHOLE
- CATCH BASIN
- AREA DRAIN
- D — STORM DRAIN PIPE
- S — SANITARY SEWER MANHOLE
- SS — SANITARY SEWER
- W — WATER MAIN
- G — GAS
- FIRE HYDRANT
- WV — GATE VALVE
- YHA / YHB — YARD HYDRANT (SEE DWG. C8-5)
- ¾"W DF — DRINKING FOUNTAIN
- 6"SS — 6" SANITARY SEWER STUB OUT WITH 4" PVC VERTICAL CLEAN OUT
- T — ELECTRIC TRANSFORMER
- 10000 XXXXXXXX — POINT FOR COORDINATE SYSTEM

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DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS
STEPHEN E. HAMWEY
57411
LICENSED
PROFESSIONAL ENGINEER

N

0 10' 20' 40'

Project Title:

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ADDISON, TEXAS

Drawing Title:

UTILITIES PLAN

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

Drawing No. C4-3

ADDISON CIRCLE DRIVE

SOLDIER COURSE OF BRICK BETWEEN EXISTING PAVING AND NEW EDGE OF SLAB

NOTE: PROVIDE CONCRETE BASE SLAB FOR BRICK PAVING AT TREE PIT LOCATIONS. TREE PITS TO BE ABANDONED.

12 C7-2 SERVICE RAMP TO PAVILION

EXISTING CURB

STAIR ELEVATION AT NORTHEAST END OF PAVILION 6 C7-1

3 C7-1 BRICK SIDEWALK SECTION @ ADDISON CIRCLE DRIVE

5 C7-1 NEW BRICK SIDEWALK PAVING

13 C7-2 PAVING AT PAVILION EXPOSED AGGREGATE TYPE "A" (SEE SPECS)

5 C7-2 MILSAP STONE RETAINING WALL

3 C7-1 EXPOSED AGGREGATE PAVING

EXISTING HANDICAP RAMP TO REMAIN

15 C7-1 STONE DUST SURFACING

HANDRAILS

EXISTING ELECTRICAL BOX TO REMAIN

SECTION OF HANDICAP RAMP AT PAVILION 7 C7-13

ELEV. 624.70

PLANT BED

LAWN

2

CHEEKWALL SECTION AT NORTHEAST END OF PAVILION 5 C7-13

STAIR SECTION AT NORTHEAST END OF PAVILION 4 C7-13

EXPANSION JOINT, TYP.

PROVIDE PROTECTION FOR BUILDING AND COLUMNS DURING POURING AND SANDBLASTING OF TOPPING SLAB

SECTION THROUGH HANDICAP RAMP AND WALLS 8 C7-13

PAVILION N.I.C.

4 S1-2

3 C7-11 STAIR SECTION PAVILION

5 C7-11 CHEEKWALL SECTION PAVILION

1 C7-11 STAIR SECTION AT BOSQUE

3 C7-11 BOSQUE CHEEKWALL SECTION

LIMIT OF WORK

EXISTING BRICK PAVING TO REMAIN

6 C7-1 BRICK PAVING IN PLAZA

EXISTING SIGNS TO REMAIN

PLANT BED

4 C7-11 CHEEKWALL SECTION AND STAIR ELEVATION AT PAVILION

ANEMOMETER INSTALLED ON LIGHT FIXTURE POLE

BRICK PAVING WITH MORTAR GROUT JOINTS IN PLAZA (HATCHED AREA) 4 C7-1

2 C7-11 BOSQUE STAIR AND CHEEKWALL ELEVATION

6 C7-1 BRICK PAVING IN PLAZA

12 C7-1 BRICK PAVERS/LIMESTONE PAVING EXPANSION JOINT

4

627

624

DOUBLE LIGHT POLE WITH BANNERS, TYP. 1 C7-3

EXPANSION JOINT COVER 13 C7-1

EXPANSION JOINT, TYP. 11 C7-1

3 C7-8 PLAZA FOUNTAIN ELEVATION AND BRIDGE SECTION

FOUNTAIN PLAZA

8 C7-7 LIMESTONE PAVING BAND IN PLAZA TYPICAL SECTION

7 C7-7 LIMESTONE BLOCK IN PAVING BAND - TYPICAL CROSS SECTION

8 C7-7 LIMESTONE BLOCK TRENCH TYPICAL LONGITUDINAL SECTION

5 C7-8 PLAZA FOUNTAIN STEP SECTION 3

EXPOSED AGGREGATE PAVING, TYPE A (SEE SPECS) 3 C7-1

EXPOSED AGGREGATE PAVING, TYPE B (SEE SPECS) 3 C7-1

FOUNTAIN JET NOZZLE

FOUNTAIN MIST NOZZLE

FOUNTAIN UPLIGHT

LIMESTONE BLOCK SIMILAR, TYP. 7 C7-2

6 C7-8 FOUNTAIN WALL ACCESS HATCH SECTION

5 C7-10 CHEEKWALL AT PLAZA FOUNTAIN STEPS

5 C7-2 MILSAP STONE RETAINING WALL

11 C7-2 TRASH RECEPTACLE, TYP.

4 C7-10 LIMESTONE STEPPING STONES IN WATER GARDEN

6 C7-1 BRICK PAVING IN PLAZA

PLANT BED

1 C7-10 WATER GARDEN STEPS 1 SECTION

LAWN

4 C7-8 PLAZA FOUNTAIN STEP SECTION 2

2 C7-8 PLAZA FOUNTAIN STEP SECTION

1 C7-8 PLAZA FOUNTAIN STAIR SECTION

EXTENT OF EXPANSION JOINT COVER 13 C7-1

COTTON BELT ROUTE MARKER 1 C7-4

PEDESTRIAN LIGHT POLE FOUNDATION, TYP. 2 C7-3

EXPOSED AGGREGATE PAVING 3 C7-1

5 S1-2

2 S1-2

ACCESS HATCH FOR VAULT BELOW GRADE FOUNTAIN VAULT

INTAKE & EXHAUST FOR VAULT – LOCATE IN FIELD

8 C7-6 RAILING POST PLAN AT CORNER

10 C7-2 BENCH FOOTING, TYPICAL

PLANT BED

4 C7-10 LIMESTONE STEPPING STONES IN WATER GARDEN

2 C7-6 TYPICAL METAL GRILL BRIDGE PLAN

2 C7-2 UPPER CHANNEL SECTION AND PYLON ELEVATION

1 C7-9 FOUNTAIN PYLON ELEVATION FROM SIDEWALK

WATER GARDEN STEPS 1 SECTION 1 C7-10

BRICK SIDEWALK EXTENSION AT QUORUM DR. 2 C7-2

QUORUM DRIVE

METAL GRILL BRIDGE PLAN @ LOWER CHANNEL 7 C7-10

1 S1-1

4 C7-7 LOWER CHANNEL AND WALL SECTION

2,3 C7-7 FOUNTAIN WALL ELEVATION

11 C7-2 TRASH RECEPTACLE, TYP.

UPPER CHANNEL

MATCH LINE SEE C5-2

MATCH LINE SEE C5-2

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No.	Description	Date
5	BULLETIN #5	04-22-03
4	BULLETIN #4	04-14-03
3	BULLETIN #2	03-10-03
2	BULLETIN #1	12-30-02
	ISSUED FOR CONSTRUCTION	11-26-02
1	ADDENDUM #2	10-21-02
	ISSUED FOR CONSTRUCTION	09-30-02

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS
STEPHEN E. HAMMEY
57411
LICENSED
PROFESSIONAL ENGINEER

N

0 4' 8' 16'

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

MATCH LINE SEE C5-1

MATCH LINE SEE C5-1

THE BOWL

WATER GARDEN

UPPER CHANNEL

LOWER CHANNEL

LIMIT OF WORK

QUORUM DRIVE

FESTIVAL WAY

8.0'

12.0'

- 1/C7-7 WEIR TO LOWER CHANNEL
- 2,3/C7-7 FOUNTAIN WALL ELEVATION
- 2/C7-2 FOOTING, TYPICAL
- 2/C7-2 RECEPTACLE, TYP.
- 11/C7-2 TRASH RECEPTACLE, TYPICAL
- 9/C7-2 DRINKING FOUNTAIN
- PLANT BED
- 10/C7-2 BENCH FOOTING, TYPICAL
- 4/C7-10 LIMESTONE STEPPING STONES IN WATER GARDEN
- 12/C7-10 WATER GARDEN STEPS 1 SECTION
- 5/C7-2 MILSAP STONE RETAINING WALL
- 2/C7-10 WATER GARDEN STEPS 2 SECTION
- 1/C7-9 FOUNTAIN PYLON ELEVATION FROM SIDEWALK
- 2/C7-9 UPPER CHANNEL SECTION AND PYLON ELEVATION
- 2/S1-1 1/C7-8 UPPER CHANNEL SECTION
- 5/C7-6 EXTENT OF REMOVEABLE RAILING
- 1/C7-7 WEIR TO LOWER CHANNEL
- 4/C7-7 LOWER CHANNEL AND WALL SECTION
- 1/S1-1
- 3/C7-1 EXPOSED AGGREGATE PAVING
- 1/S1-2 2/C7-7 STAIRS AT SOUTH LOWER CHANNEL
- 4/C7-7 LOWER CHANNEL STAIRS CHEEKWALL SECTION
- 2/C7-7 SECTION THROUGH LOWER CHANNEL POOL TOWARD WEIRS
- 3/C7-7 SECTION THROUGH LOWER CHANNEL POOL TOWARD WALL
- 8/C7-6 RAILING POST PLAN AT CORNER
- 4/C7-10 LIMESTONE STEPPING STONES IN WATER GARDEN
- 2/C7-6 TYPICAL METAL GRILL BRIDGE PLAN
- 11/C7-2 TRASH RECEPTACLE TYP.
- ANENOMETER INSTALLED ON EXISTING LIGHT FIXTURE POLE
- 16/C7-1 REINFORCED EARTH SECTION, TYPICAL
- 11/C7-2 TRASH RECEPTACLE, TYPICAL
- 3/C7-1 EXPOSED AGGREGATE PAVING
- 2/C7-3 PEDESTRIAN LIGHT POLE FOUNDATION
- 2/C7-5 FENCE ELEVATION AND SECTION, TYP.
- 2/C7-1 CONCRETE PAVING
- 14/C7-1 INTEGRAL CURB AND GUTTER, TYP.
- 1/C7-5 FENCE PYLON ELEVATION
- 2/C7-5 FENCE ELEVATION AND SECTION, TYP.
- EXISTING CURB & GUTTER TO REMAIN
- 14/C7-1 INTEGRAL CURB AND GUTTER, MEET FLUSH WITH EXISTING
- 5/C7-1 BRICK PAVING
- 1/C7-1 HANDICAP RAMP
- CONSTRUCTIO
- (MEET EXISTI
- C7-2 INTEGRAL CURB

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MATERIALS PLAN DETAIL

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Approved By: SEH
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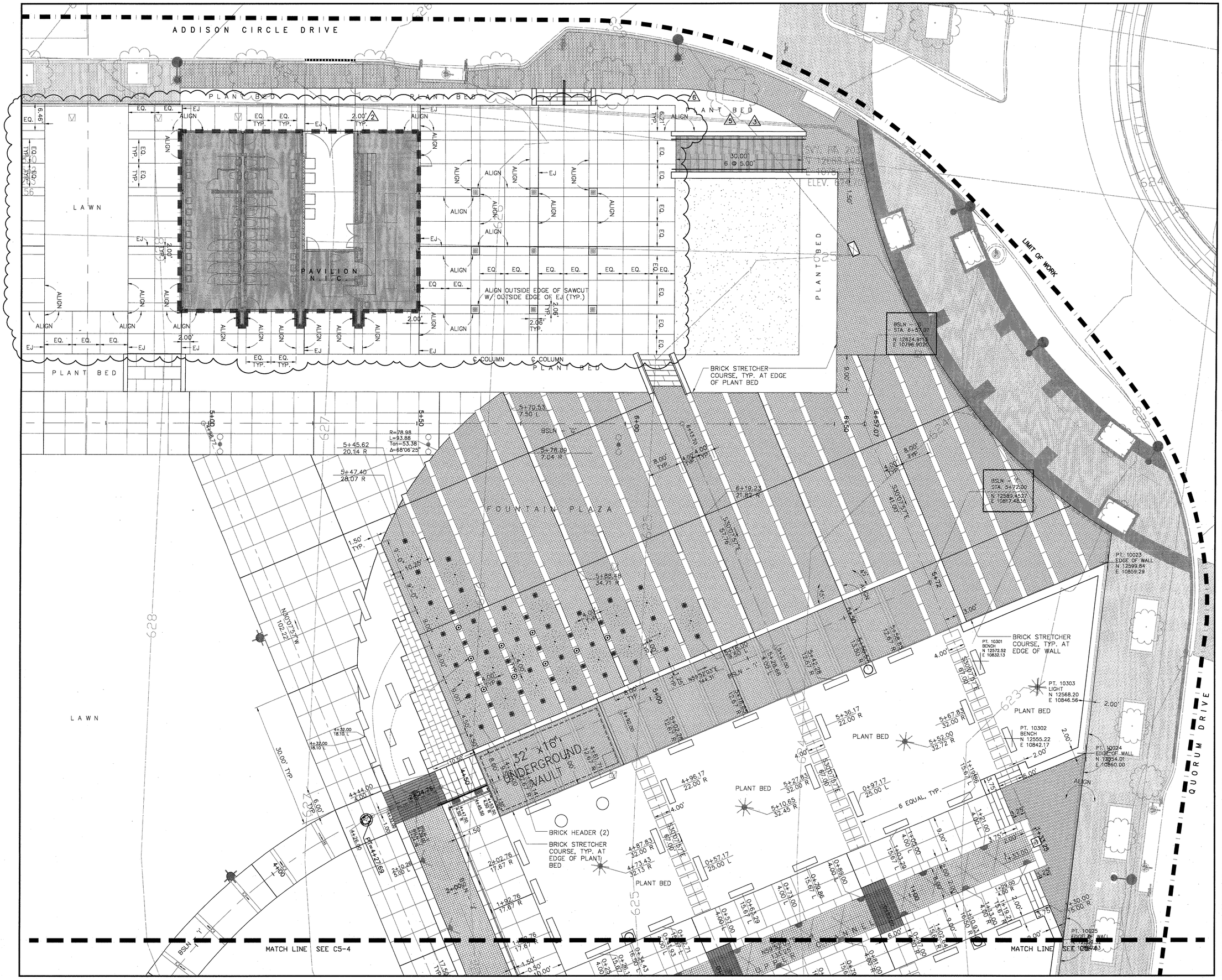
Drawing No.

C5-2



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

DWG ISSUE & REVISION HISTORY

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PROFESSIONAL ENGINEER

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Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

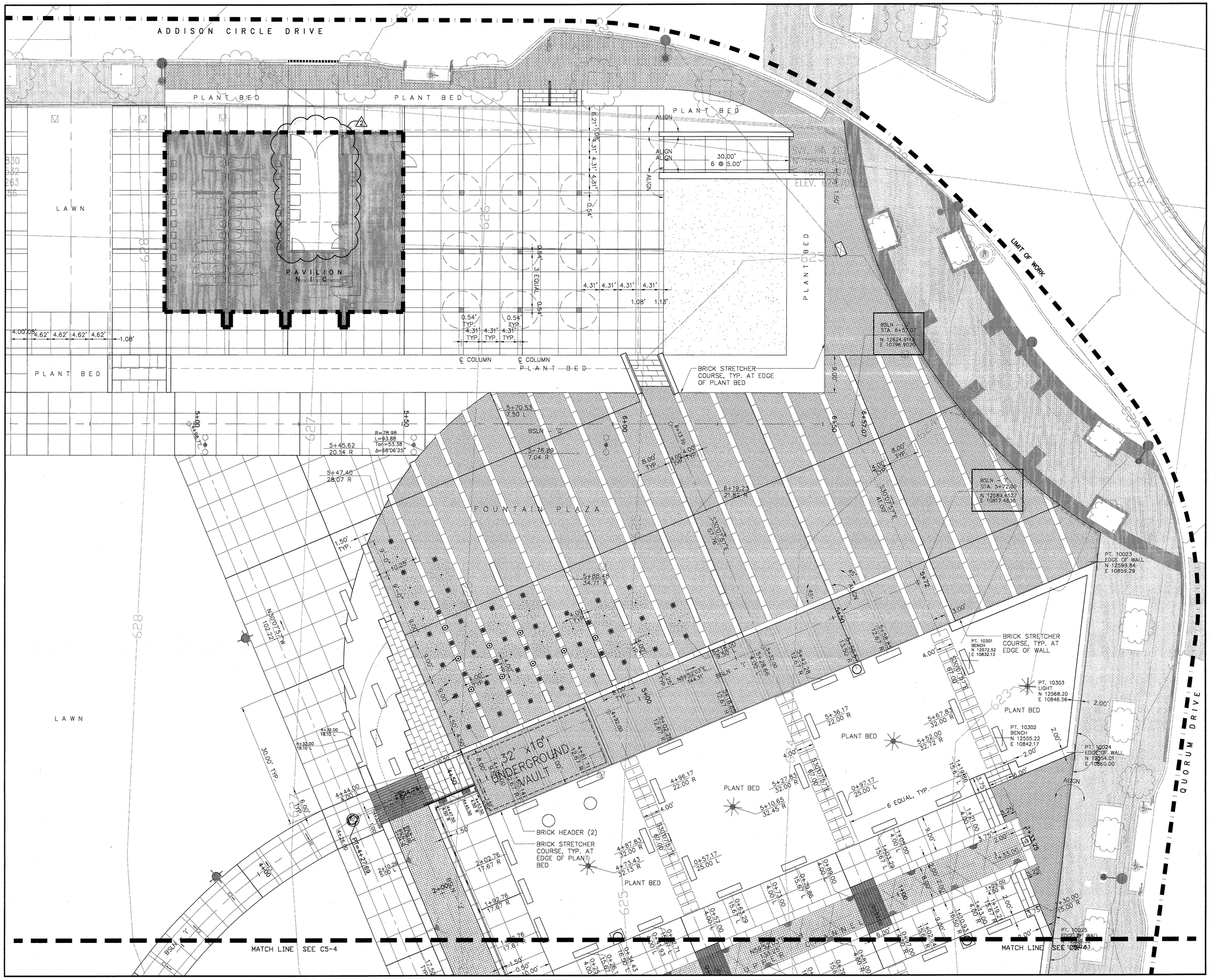
Drawing Title:

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



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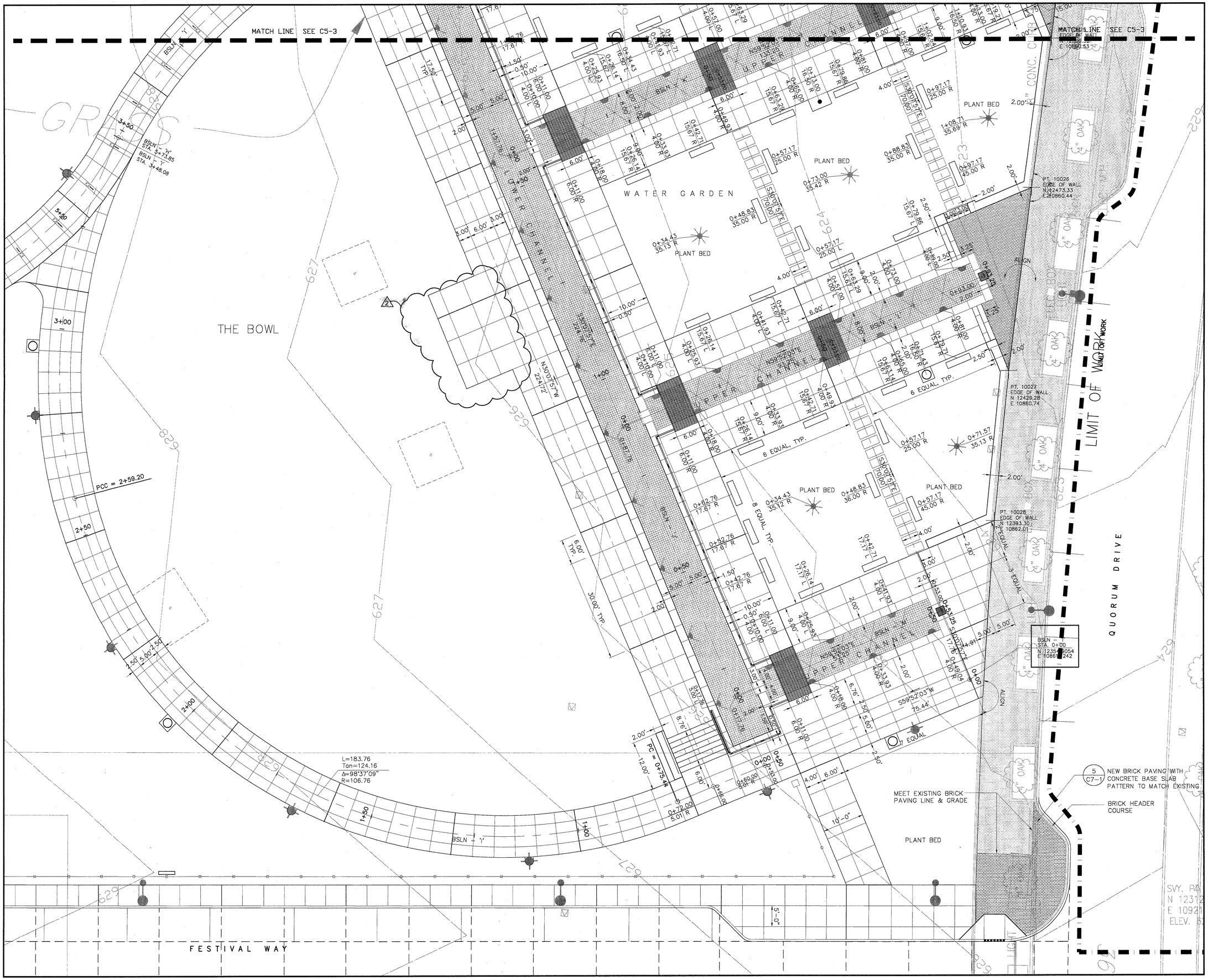
C5-3



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Date: September 30, 2002

Drawing No.

C5-4

ADDISON CIRCLE DRIVE

PAVILION
N.I.C.

FOUNTAIN PLAZA

32' x16'
UNDERGROUND
VAULT

BOTTOM
OF POOL
618.58

BOTTOM
OF POOL
622.58

UPPER CHANNEL

QUORUM DRIVE

MEET EXISTING
PAVING GRADE

MEET EXISTING
PAVING GRADE

MATCH LINE SEE C5-6

MATCH LINE SEE C5-6

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PROFESSIONAL ENGINEER

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0 4' 8' 16'

Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

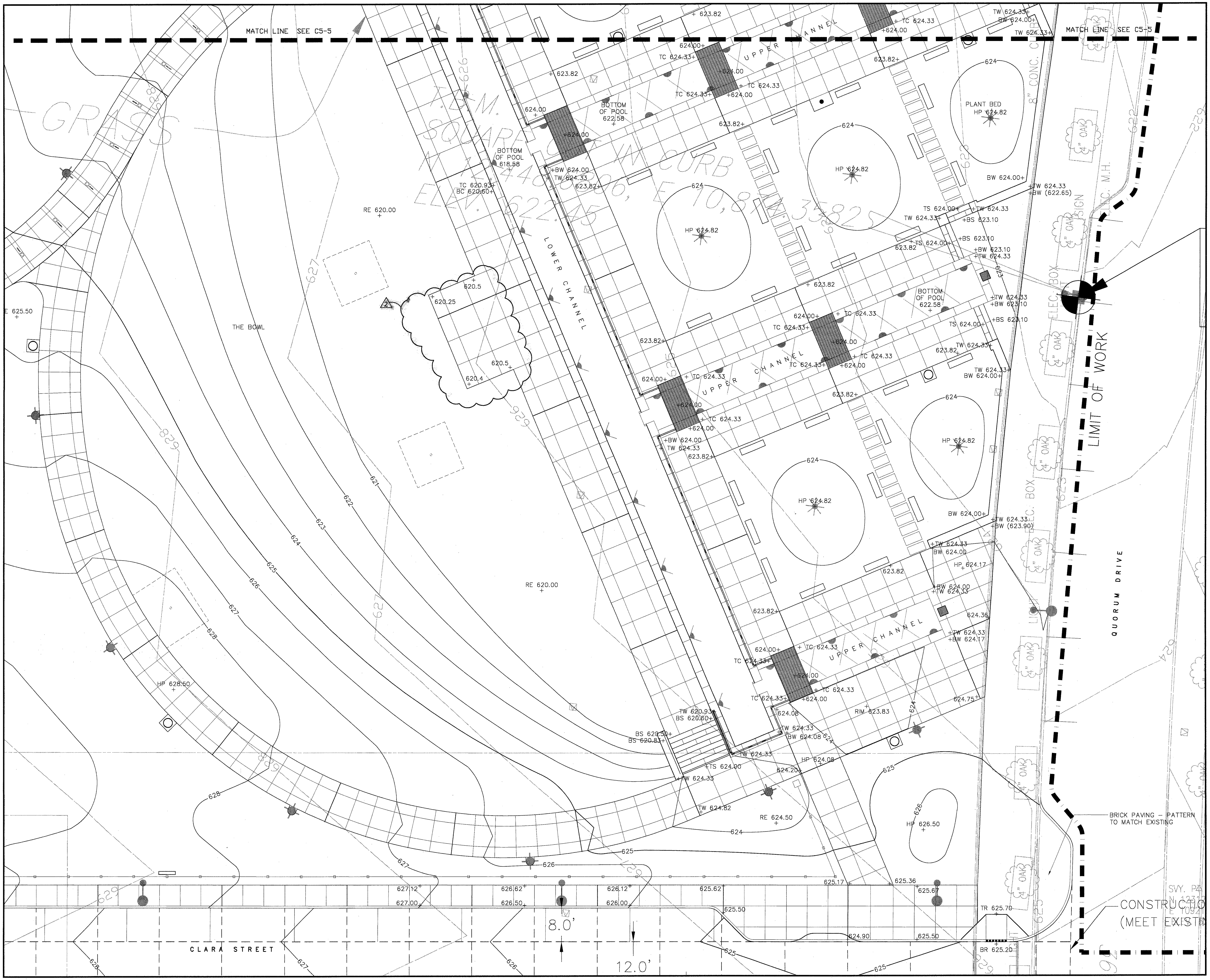
Drawing Title:

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



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	ISSUED FOR CONSTRUCTION	09-30-02

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS STEPHEN E. HAMWEY 57411 LICENSED PROFESSIONAL ENGINEER

N

0 4' 8' 16'

Project Title:

ADDISON ARTS & EVENTS DISTRICT

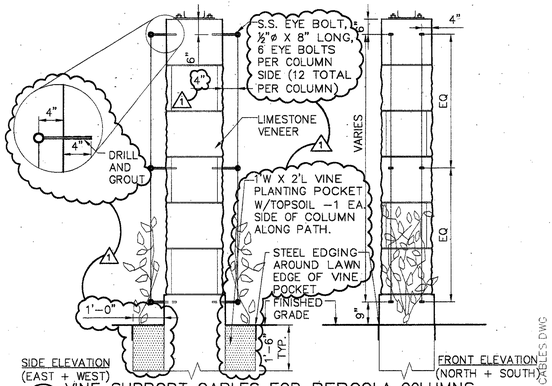
ADDISON, TEXAS

Drawing Title:

GRADING PLAN DETAIL

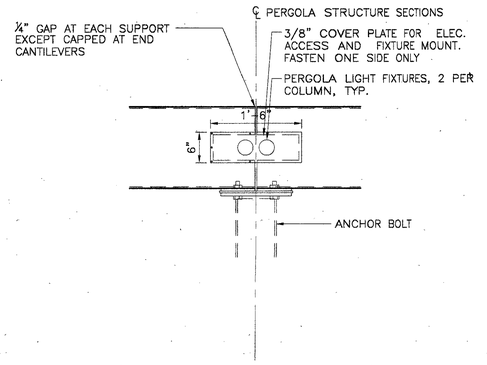
Project No. 14516.00 Scale: 1/8"=1'-0"
Drawn By: CB
Checked By: DC
Approved By: SEH
Date: September 30, 2002

Drawing No. C5-6



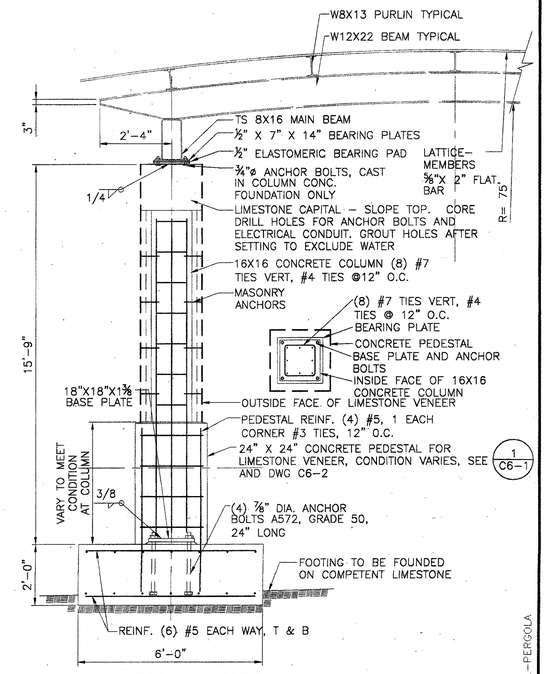
6 VINE SUPPORT CABLES FOR PERGOLA COLUMNS
SCALE: 1/2" = 1'-0"

S-CABLES.DWG



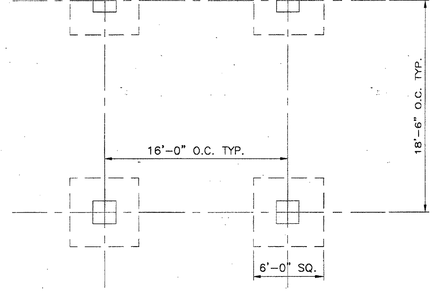
5 COMPLETED PERGOLA BEAM CONNECTION
SCALE: 1" = 1'-0"

COL-COMPLETE.DWG



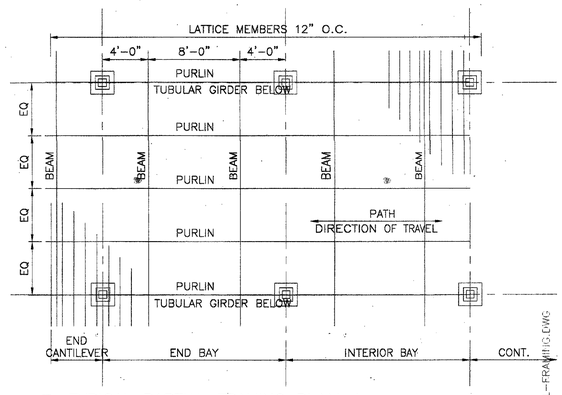
2 TYPICAL PERGOLA SECTION
SCALE: NONE

COL-PERGOLA



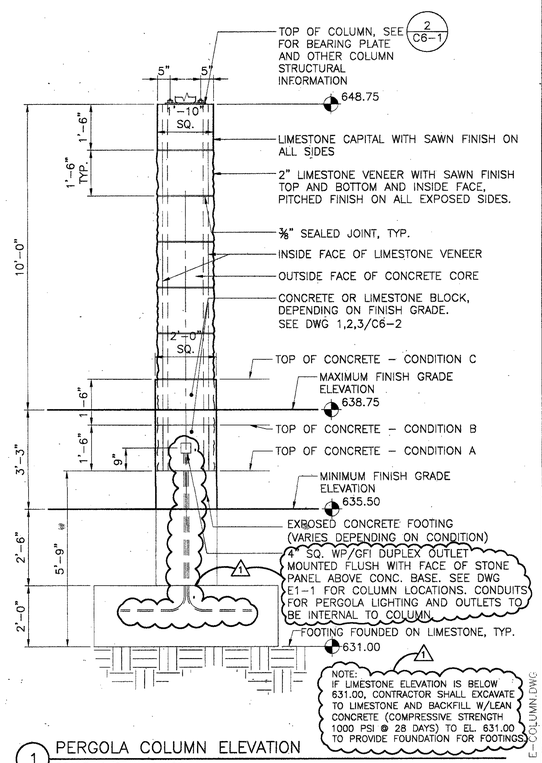
4 TYPICAL PARTIAL FOUNDATION PLAN
SCALE: 3/16" = 1'-0"

COL-FOUNDATION.DWG



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

COL-FRAMING.DWG



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

E-COLUMN.DWG

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS
STEPHEN E. HAMMEY
57411
REGISTERED
PROFESSIONAL
LANDSCAPE ARCHITECT
10/21/02

Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

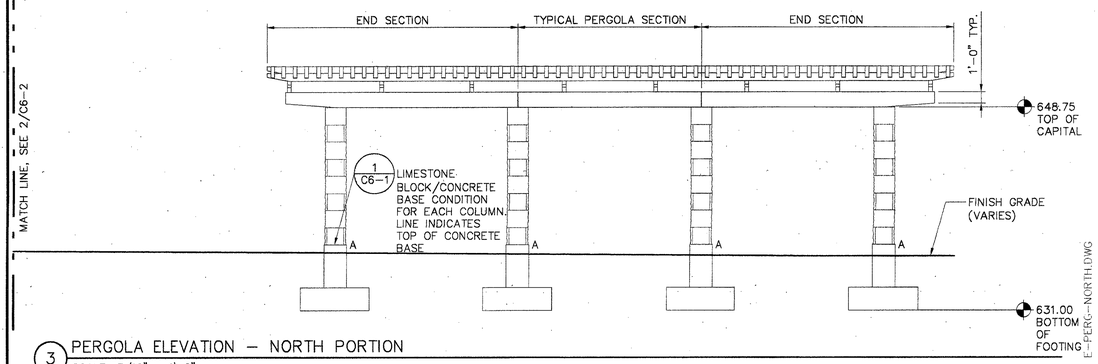
Drawing Title:

PERGOLA PLAN & DETAILS

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

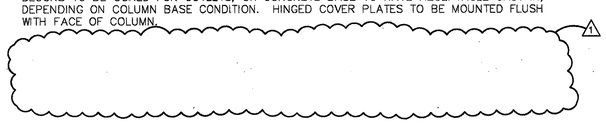
Drawing No.

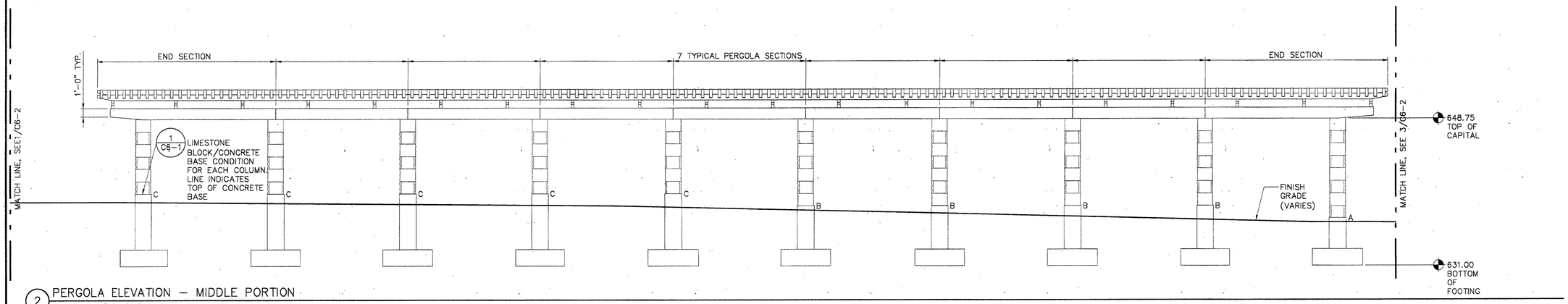
C6-1



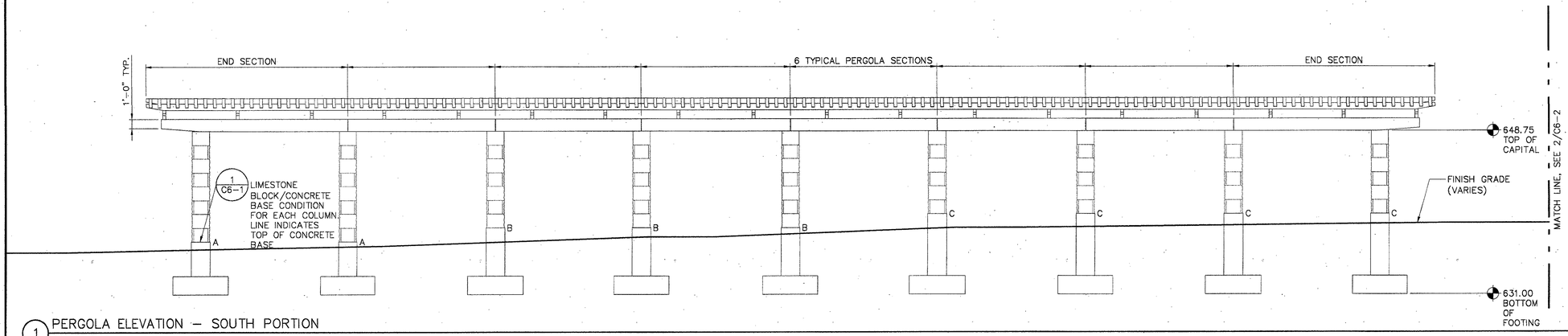
3 PERGOLA ELEVATION – NORTH PORTION
SCALE: 3/16" = 1'-0"

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.





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



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

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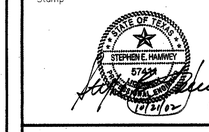
No.	Description	Date
1	ADDENDUM #2	10-21-02
	ISSUED FOR CONSTRUCTION	09-30-02

DWG ISSUE & REVISION HISTORY

Stamp



Project Title:

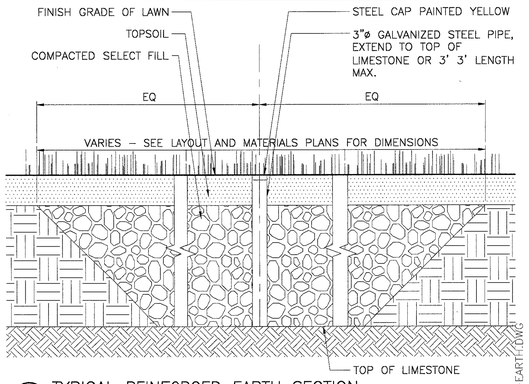
ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

Drawing Title:

PERGOLA ELEVATIONS

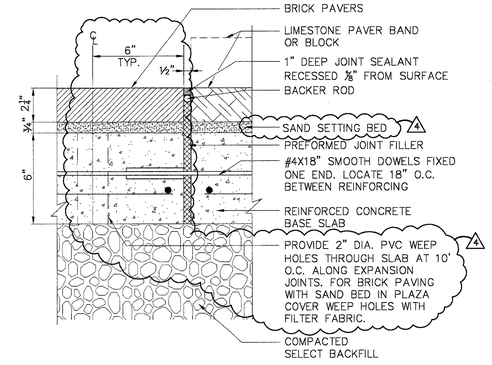
Project No. 14516.00 Scale: AS NOTED
Drawn By: CB
Checked By: DC
Approved By: SEH
Date: September 30, 2002

Drawing No.
C6-2



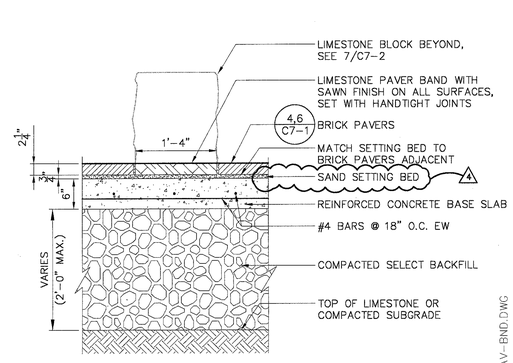
16 TYPICAL REINFORCED EARTH SECTION
SCALE: 1" = 1'-0"

S-EARTH.DWG



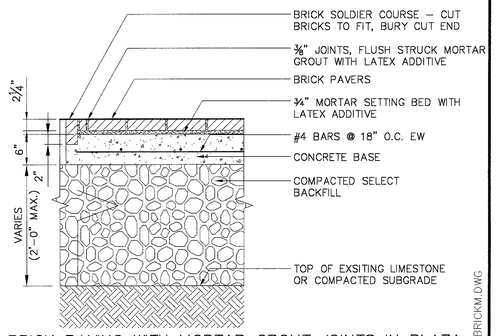
12 BRICK PAVERS/LIMESTONE PAVING EXPANSION JOINT
SCALE: 3" = 1'-0"

BS-EXJT.DWG



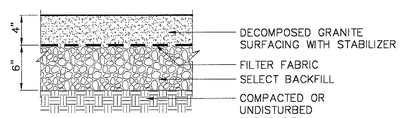
8 LIMESTONE PAVING BAND IN PLAZA, TYPICAL SECTION
SCALE: 1" = 1'-0"

ST-PAV-BND.DWG



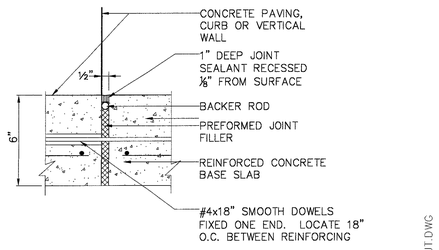
4 BRICK PAVING WITH MORTAR GROUT JOINTS IN PLAZA
SCALE: 1" = 1'-0"

S-BRICKM.DWG



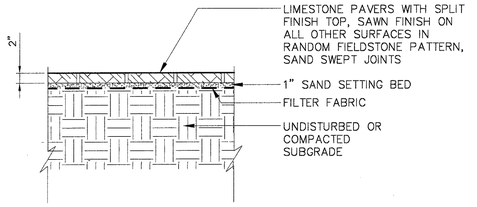
15 STONE DUST SURFACING
SCALE: 1 1/2"=1'-0"

STN-DUST.DWG



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

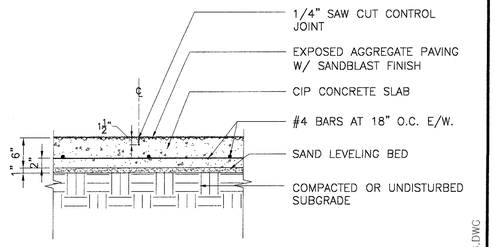
CONCEXPJT.DWG



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

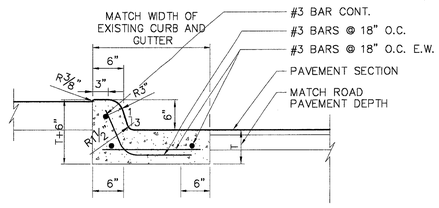
STONEPAV.DWG

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



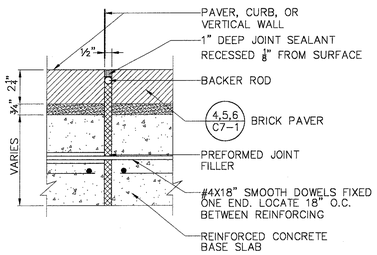
3 EXPOSED AGGREGATE PAVING
SCALE: 1" = 1'-0"

EXP-AGG.DWG



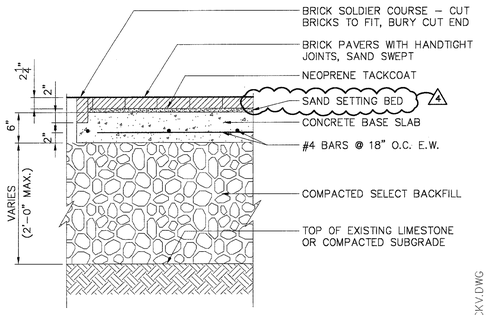
14 INTEGRAL CURB AND GUTTER
SCALE: 1" = 1'-0"

INT-CRBGUT.DWG



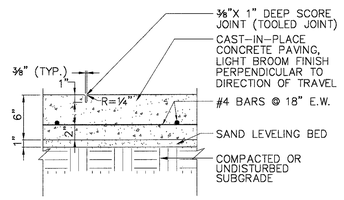
10 BRICK PAVERS EXPANSION JOINT
SCALE: 3" = 1'-0"

BRKEXPJT.DWG



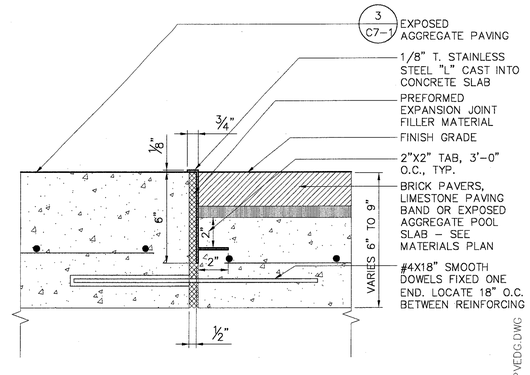
6 BRICK PAVING IN PLAZA
SCALE: 1" = 1'-0"

S-BRICKV.DWG



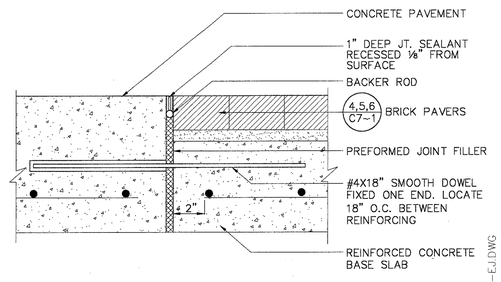
2 CONCRETE PAVING
SCALE: 1 1/2" = 1'-0"

CON-SW.DWG



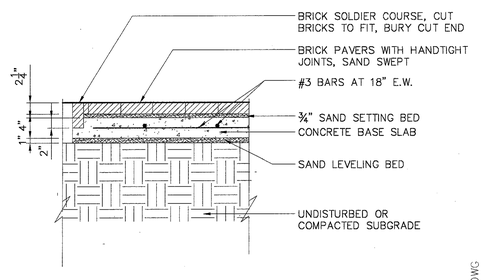
13 EXPANSION JOINT COVER DETAIL
SCALE: 3" = 1'-0"

SS-PVEDG.DWG



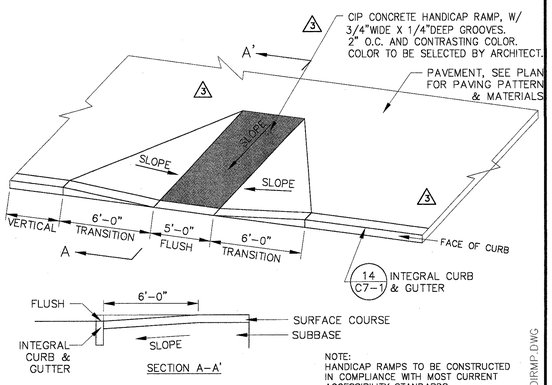
9 CONCRETE PAVEMENT/BRICK PAVERS–EXPANSION JOINT
SCALE: 3" = 1'-0"

CONBR-EJ.DWG



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

S-BRICKP.DWG



NOTE:
HANDICAP RAMPS TO BE CONSTRUCTED IN COMPLIANCE WITH MOST CURRENT ACCESSIBILITY STANDARDS.

1 HANDICAP RAMP DETAIL
N.T.S.

HANDIRMP.DWG

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS
STEPHEN E. HARVEY
57411
LICENSED
PROFESSIONAL ENGINEER

Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

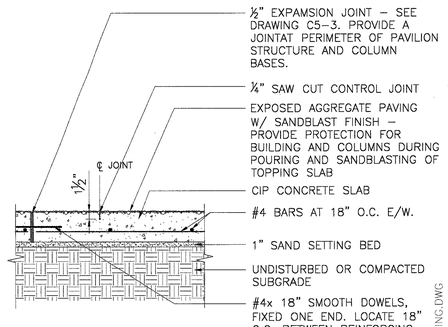
Drawing Title:

SITE DETAILS

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

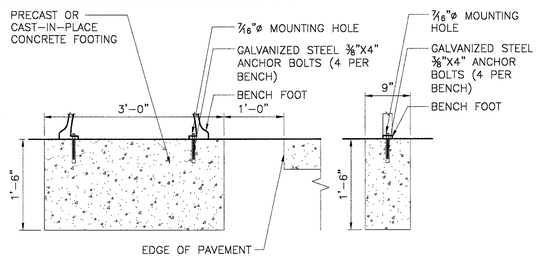
Drawing No.

C7-1



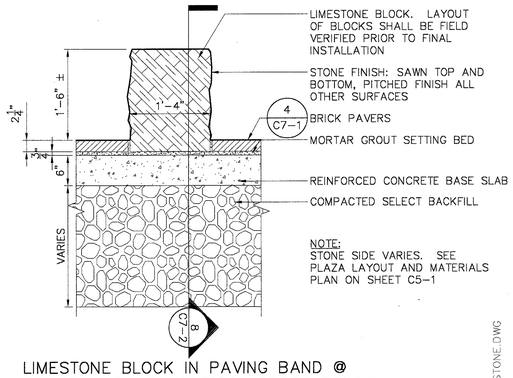
13 PAVING AT PAVILION
SCALE: 1" = 1'-0"

S-TOPPING.DWG



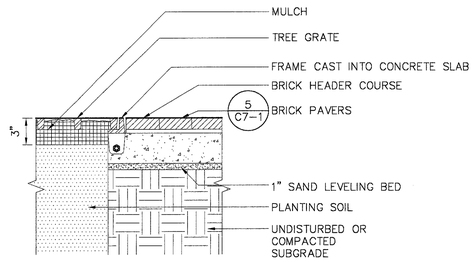
10 BENCH FOOTING
SCALE: 1" = 1'-0"

S-BNCH-FTG.DWG



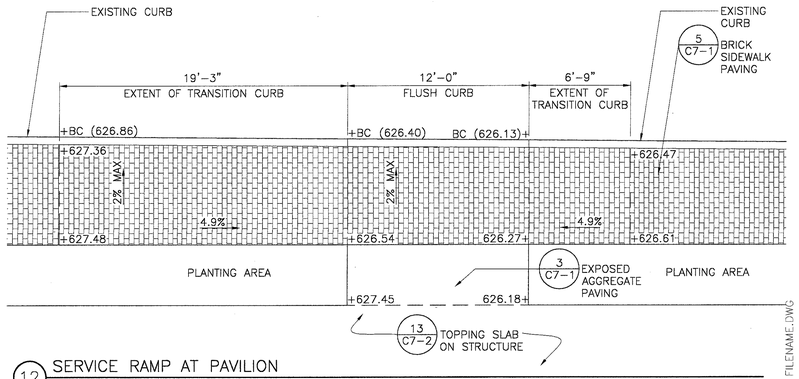
7 LIMESTONE BLOCK IN PAVING BAND @ FOUNTAIN PLAZA, TYPICAL CROSS SECTION
SCALE: 1" = 1'-0"

S-STONE.DWG



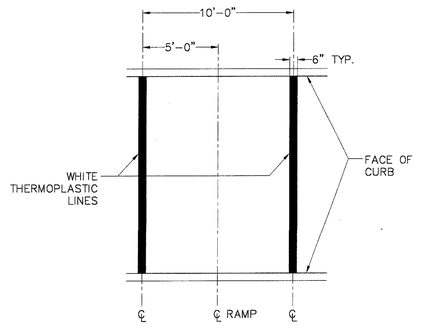
4 TREE GRATE AND FRAME SECTION
SCALE: NONE

S-TREE-GRATE.DWG



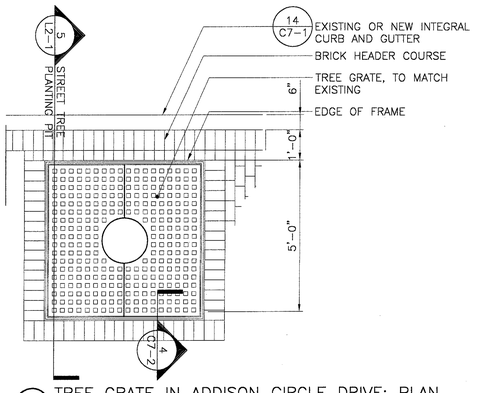
12 SERVICE RAMP AT PAVILION
SCALE: 1/4" = 1'-0"

FILENAME.DWG



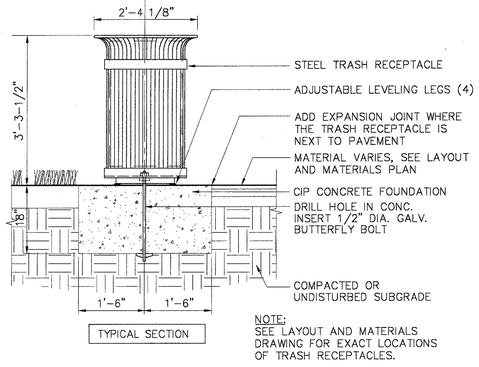
6 PAINTED CROSSWALK
SCALE: 1/4"=1'-0"

P-CRSWLK.DWG

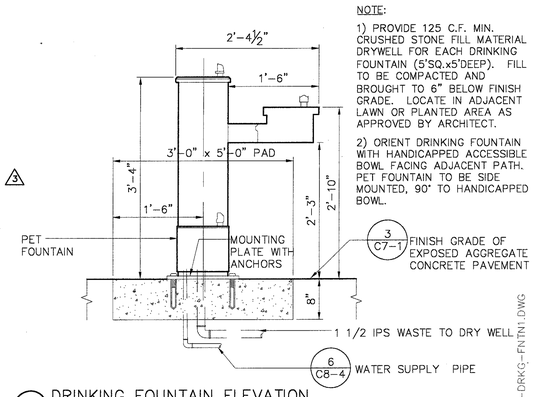


3 TREE GRATE IN ADDISON CIRCLE DRIVE: PLAN
SCALE: 1/2" = 1'-0"

P-TREE-GRATE.DWG

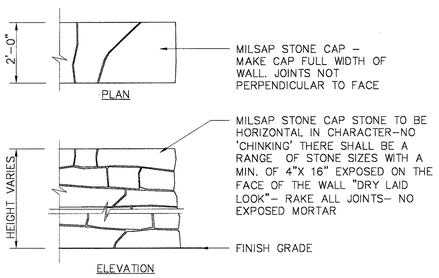


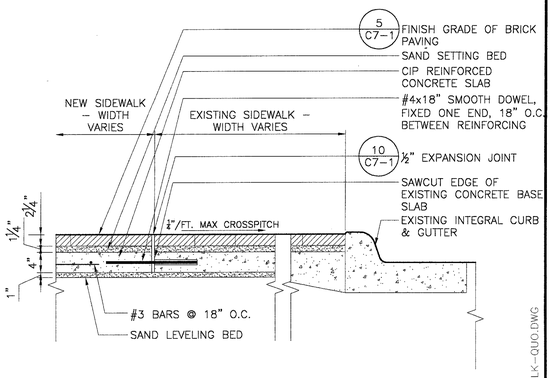
NOTE:
SEE LAYOUT AND MATERIALS DRAWING FOR EXACT LOCATIONS OF TRASH RECEPTACLES.



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

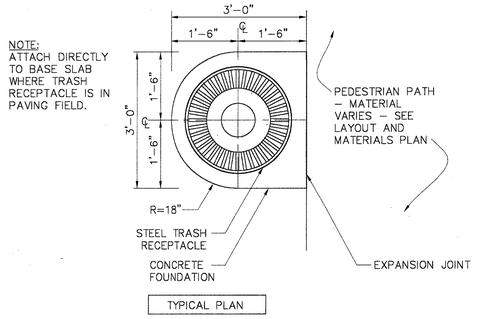
S-DRKG-FNTN1.DWG





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

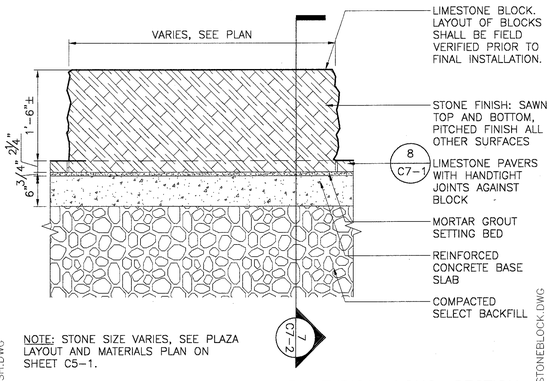
S-WALK-QUO.DWG



NOTE:
ATTACH DIRECTLY TO BASE SLAB WHERE TRASH RECEPTACLE IS IN PAVING FIELD.

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

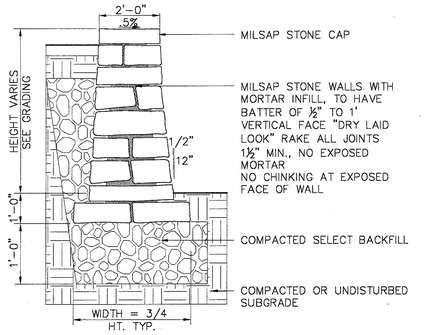
TRASH.DWG



NOTE: STONE SIZE VARIES, SEE PLAZA LAYOUT AND MATERIALS PLAN ON SHEET C5-1.

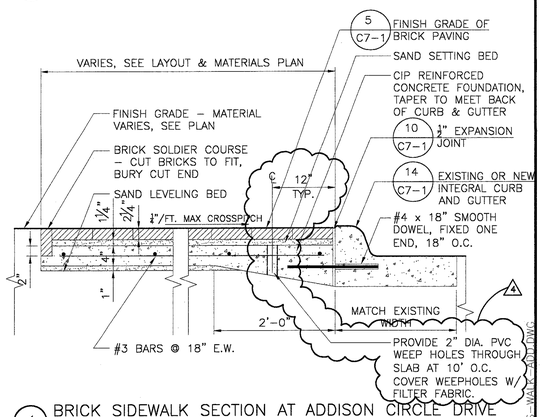
8 LIMESTONE BLOCK IN PLAZA, TYPICAL LONG. SECTION
SCALE: NTS

S-STONEBLOCK.DWG



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

FLDSTWALL.DWG



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

S-WALK-ADD.DWG

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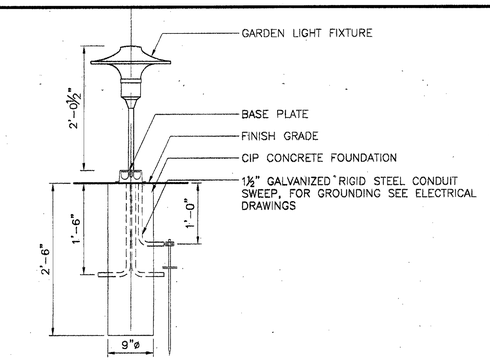
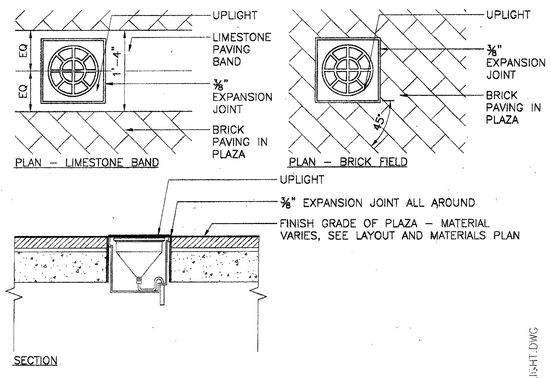
C7-2



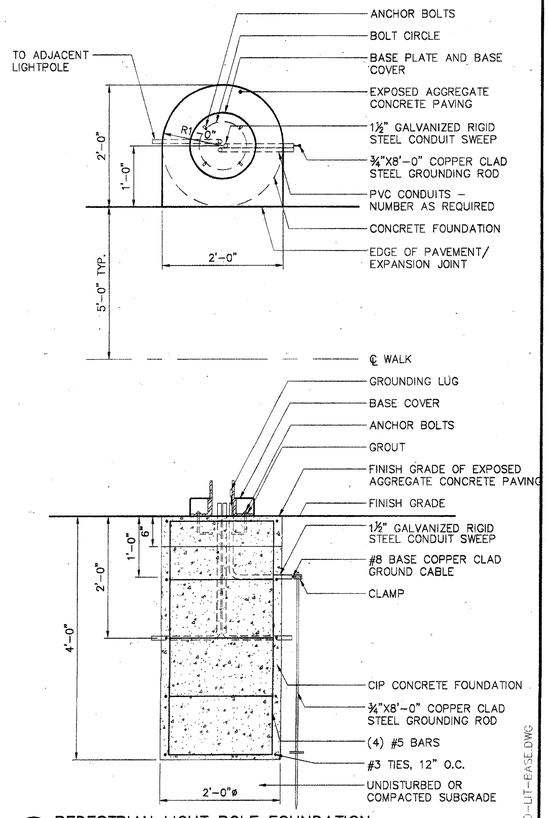
5 GARDEN LIGHT BASE
SCALE: 1" = 1'-0"

S-GRDN-LGHT.DWG



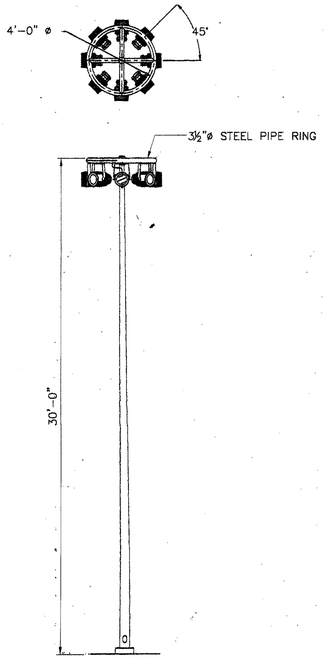
4 PLAZA FOUNTAIN UPLIGHT
SCALE: 1" = 1'-0"

UPLIGHT.DWG



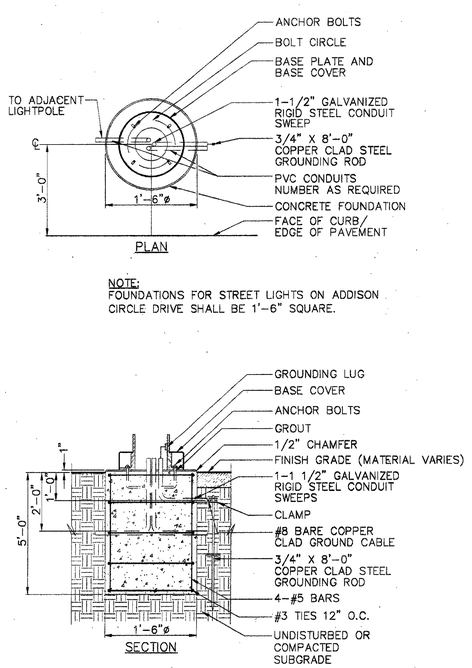
2 PEDESTRIAN LIGHT POLE FOUNDATION
SCALE: 1" = 1'-0"

PED-LIT-BASE.DWG



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

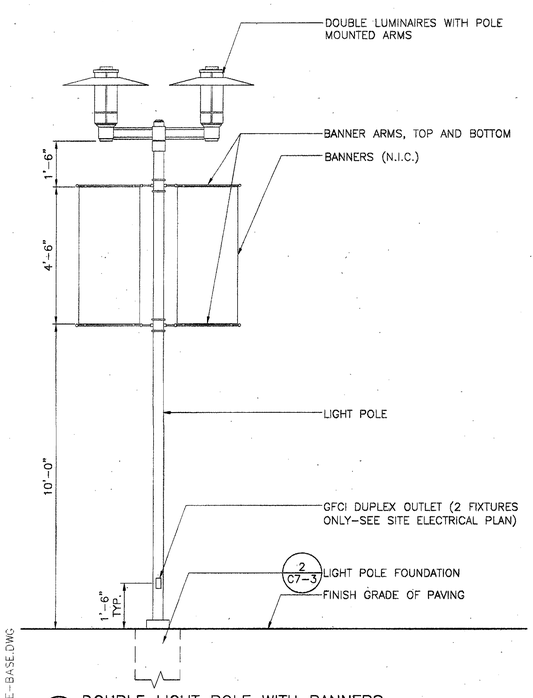
FLOOD.DWG



NOTE:
FOUNDATIONS FOR STREET LIGHTS ON ADDISON CIRCLE DRIVE SHALL BE 1'-6" SQUARE.

3 TYPICAL LIGHT POLE FOUNDATION
SCALE: NONE

LITE-BASE.DWG



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

E-LIGHTPOLE.DWG

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS
STEPHEN E. HAMMEY
67411
LICENSED LANDSCAPE ARCHITECT
9/30/02

Project Title:

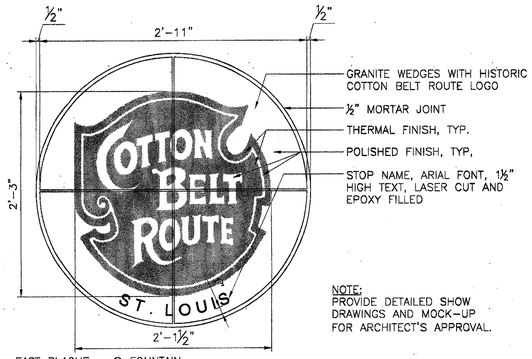
ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

Drawing Title:

SITE DETAILS - LIGHTING

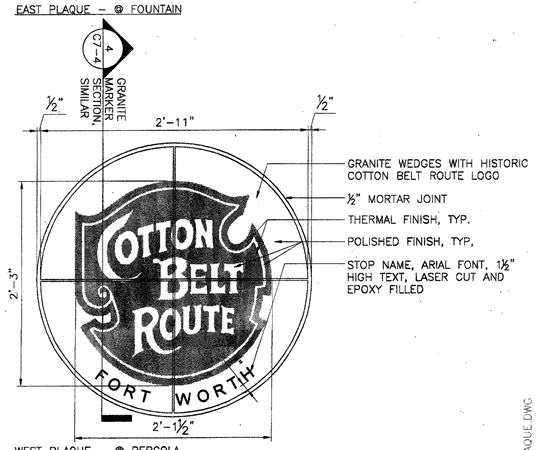
Project No. 14516.00 Scale: AS NOTED
Drawn By: CB
Checked By: DC
Approved By: SEH
Date: September 30, 2002

Drawing No. **C7-3**



NOTE:
PROVIDE DETAILED SHOW DRAWINGS AND MOCK-UP FOR ARCHITECT'S APPROVAL.

EAST PLAQUE – @ FOUNTAIN

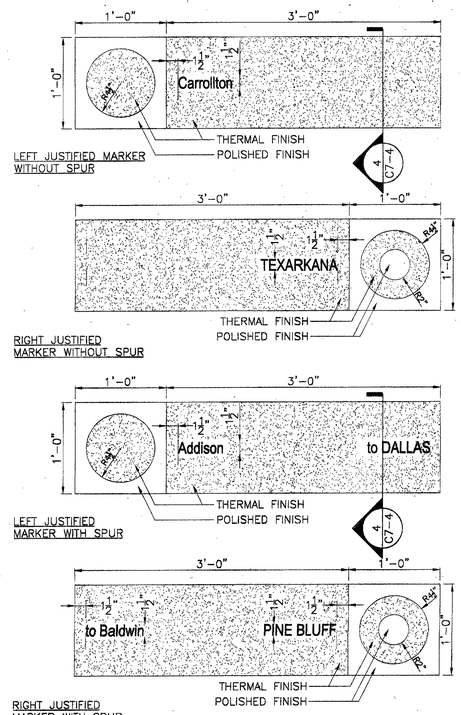


WEST PLAQUE – @ PERGOLA

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

P-PLAQUE.DWG

NOTE:
ALL MARKERS ARE GRANITE WITH STOP NAMES LASER CUT AND EPOXY FILLED. ALL TEXT IS ARIAL FONT 1½" HIGH. ALIGN CENTER OF CIRCLE WITH CENTERLINE OF WALKWAY.



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

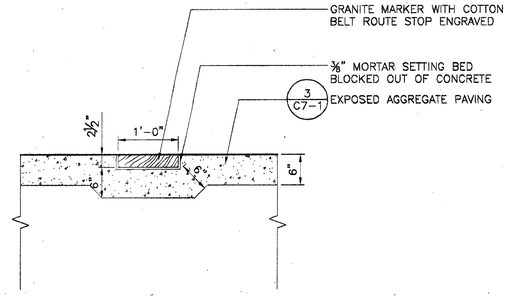
P-MARKER.DWG

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	Waldo			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	Altheimer	to	LITTLE ROCK	right
HOLLOW	STUTTGART	to	Gillett	left
SOLID	Clarendon			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	Illmo			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 STOIPS HAVE 3'ø MARKERS WITH COTTON BELT ROUTE LOGO.

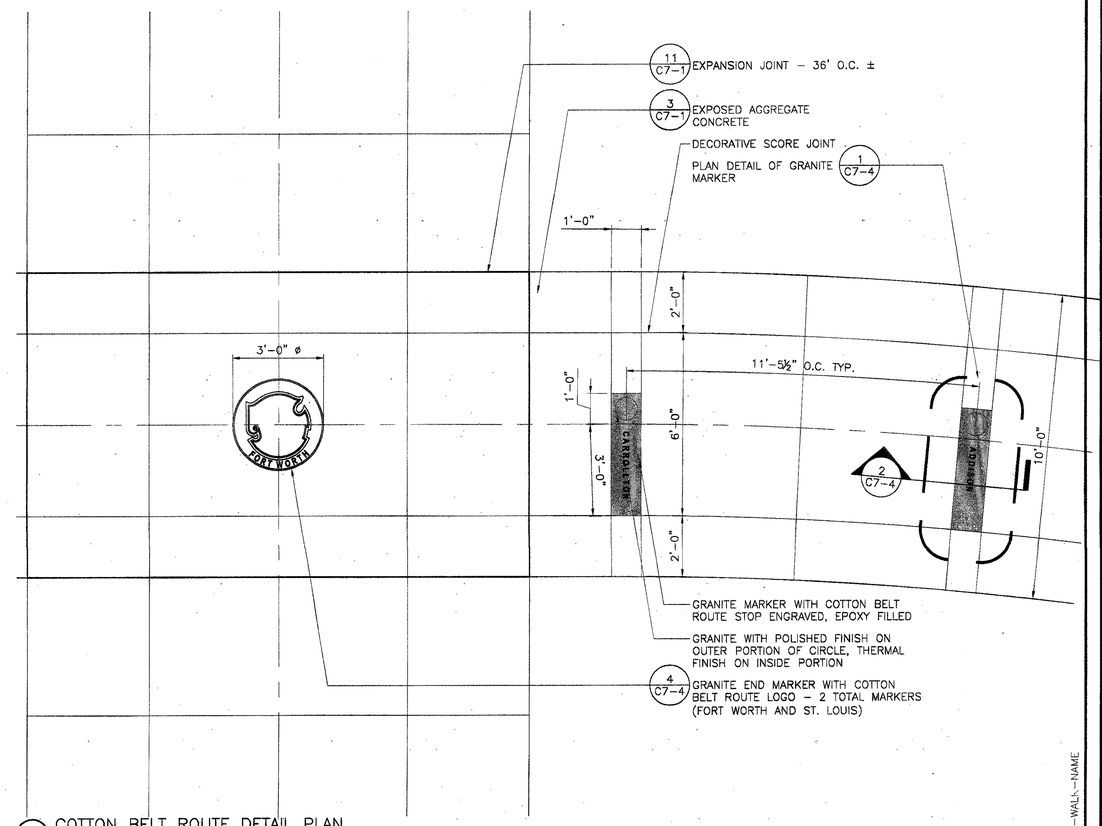
TEXT ON ALL STOP MARKERS EXCEPT FORT WORTH AND ST. LOUIS TO READ NORTH-SOUTH REGARDLESS OF JUSTIFICATION.

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



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

S-GRAN-MARK.DWG



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

P-WALK-NAME

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

DWG ISSUE & REVISION HISTORY

Stamp

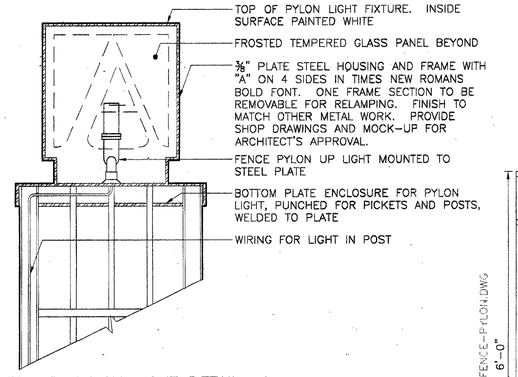
STATE OF TEXAS
STEPHEN E. HAMWEY
57411
LICENSED
LANDSCAPE
ARCHITECT

Project Title:
ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

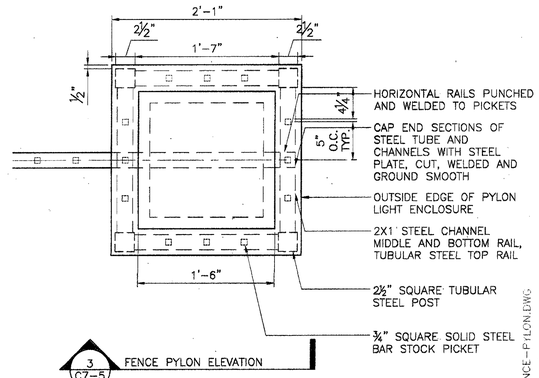
Drawing Title:
SITE DETAILS - COTTON BELT ROUTE

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

Drawing No.
C7-4

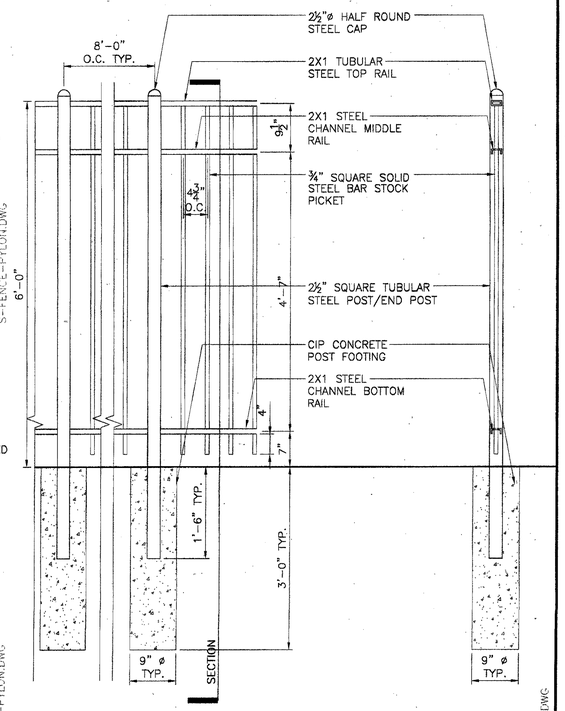


5 FENCE PYLON LIGHT DETAIL
SCALE: 1 1/2" = 1'-0"



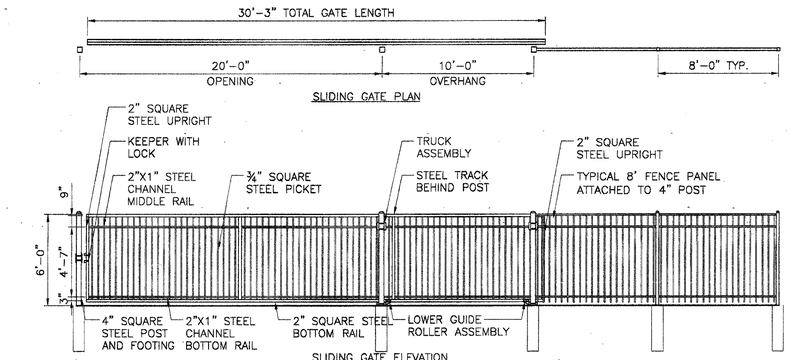
4 FENCE PYLON PLAN
SCALE: 1 1/2" = 1'-0"

P-FENCE-PYLON.DWG



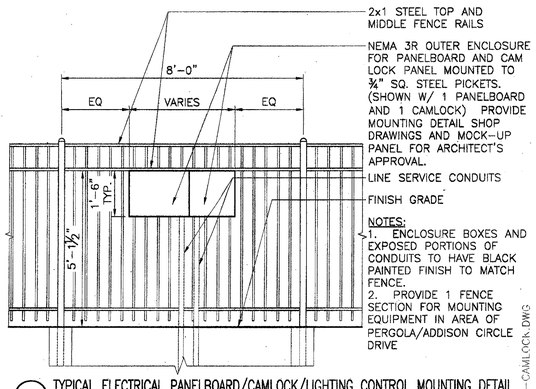
2 FENCE ELEVATION AND SECTION, TYPICAL
SCALE: 1" = 1'-0"

S-FENCE-PYLON.DWG



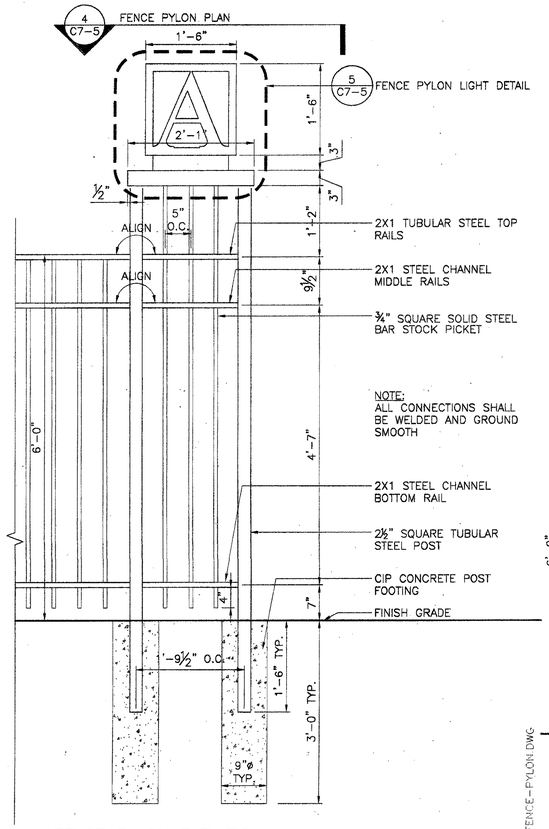
7 SLIDING GATE DETAIL
SCALE: 1/4" = 1'-0"

GATE.DWG



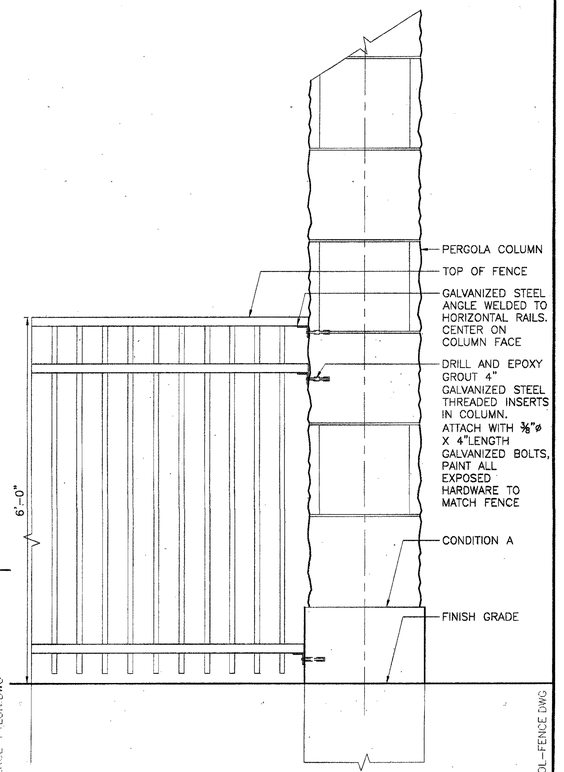
6 TYPICAL ELECTRICAL PANELBOARD/CAMLOCK/LIGHTING CONTROL MOUNTING DETAIL
SCALE: 1/2" = 1'-0"

E-CAMLOCK.DWG



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

E-FENCE-PYLON.DWG



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

S-COL-FENCE.DWG

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS
STEPHEN E. HAMWEY
57411
LICENSED LANDSCAPE ARCHITECT
9/30/02

Project Title:

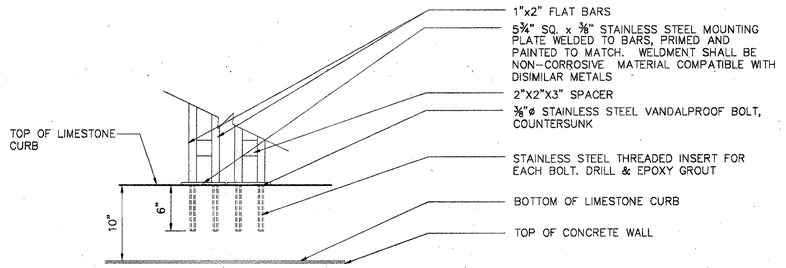
ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

Drawing Title:

SITE DETAILS - FENCES

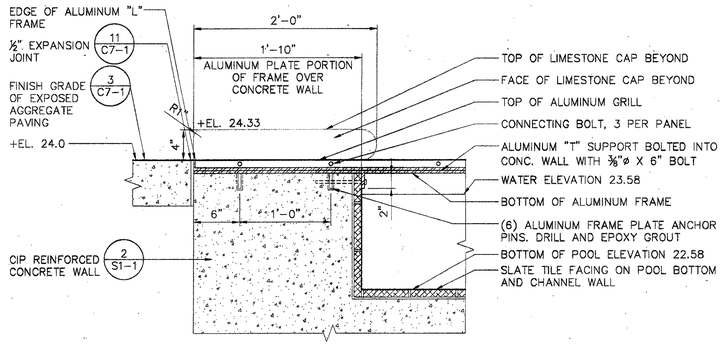
Project No. 14516.00 Scale: AS NOTED
Drawn By: CB
Checked By: DC
Approved By: SEH
Date: September 30, 2002

Drawing No.
C7-5



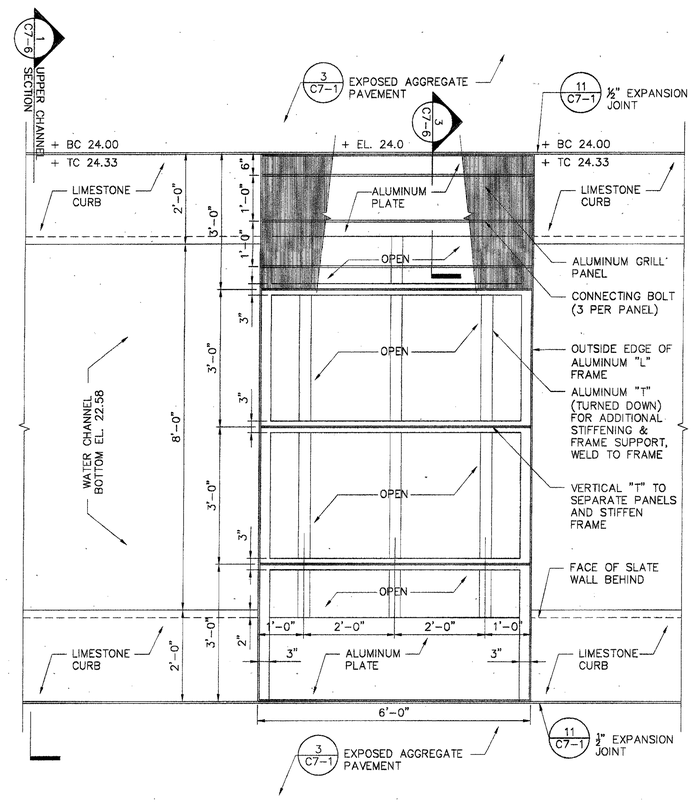
6 REMOVABLE RAILING POST
SCALE: 1 1/2" = 1'-0"

P-RE-RAILING-PST.DWG



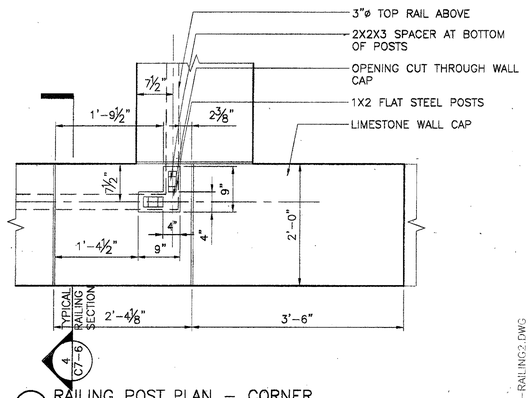
3 METAL GRILL BRIDGE SECTION
SCALE: 1 1/2"=1' - 0"

S-BRIDGE.DWG



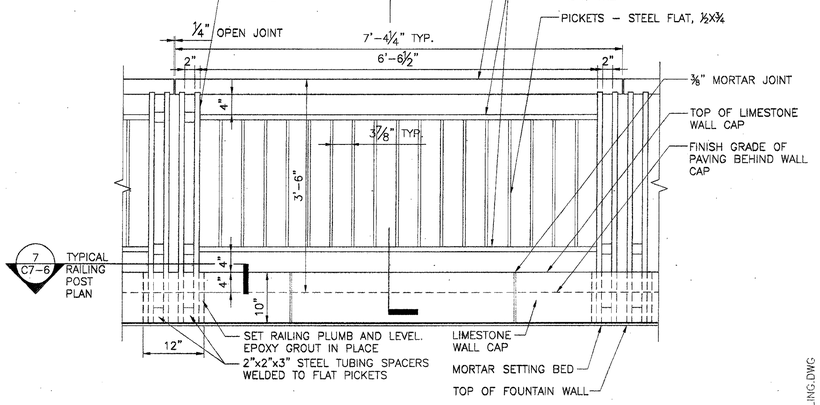
2 TYPICAL METAL GRILL BRIDGE PLAN
SCALE: 3/4" = 1'-0"

P-BRIDGE.DWG



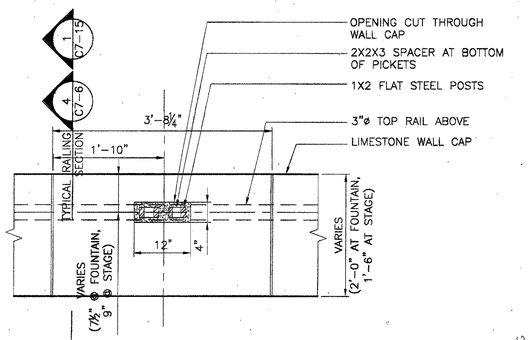
8 RAILING POST PLAN – CORNER
SCALE: 1" = 1'-0"

P-RAILING2.DWG



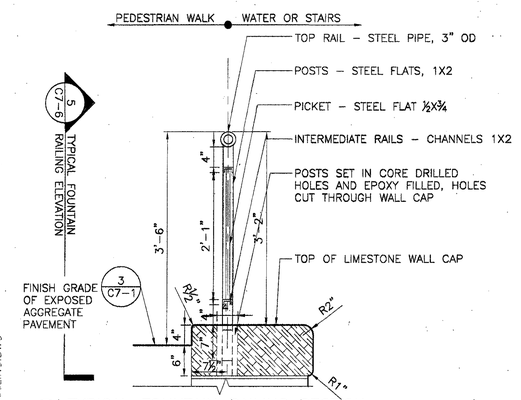
5 TYPICAL RAILING ELEVATION AT FOUNTAIN
SCALE: 1" = 1'-0"

E-RAILING.DWG



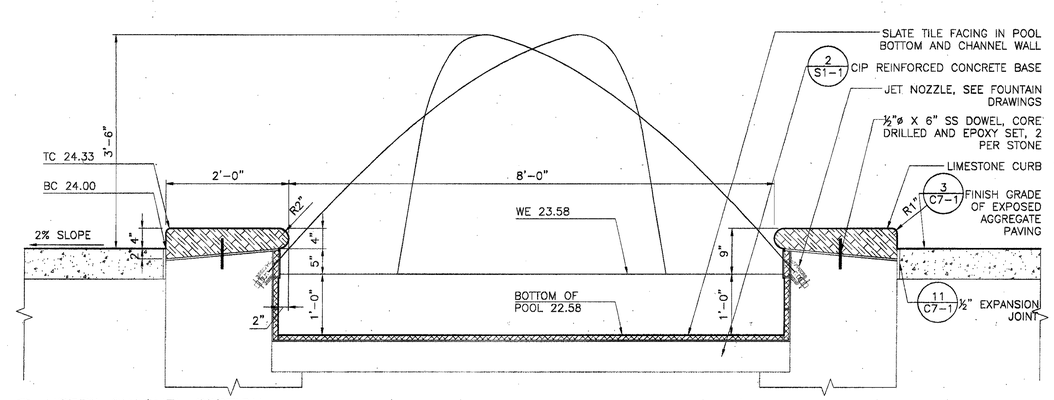
7 TYPICAL RAILING POST PLAN
SCALE: 1" = 1'-0"

P-RAILING2.DWG



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

S-RAILING.DWG



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

S-U-CHNL.DWG

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS
STEPHEN E. HAMWEY
57431
LICENSED LANDSCAPE ARCHITECT
9/30/02

Project Title:

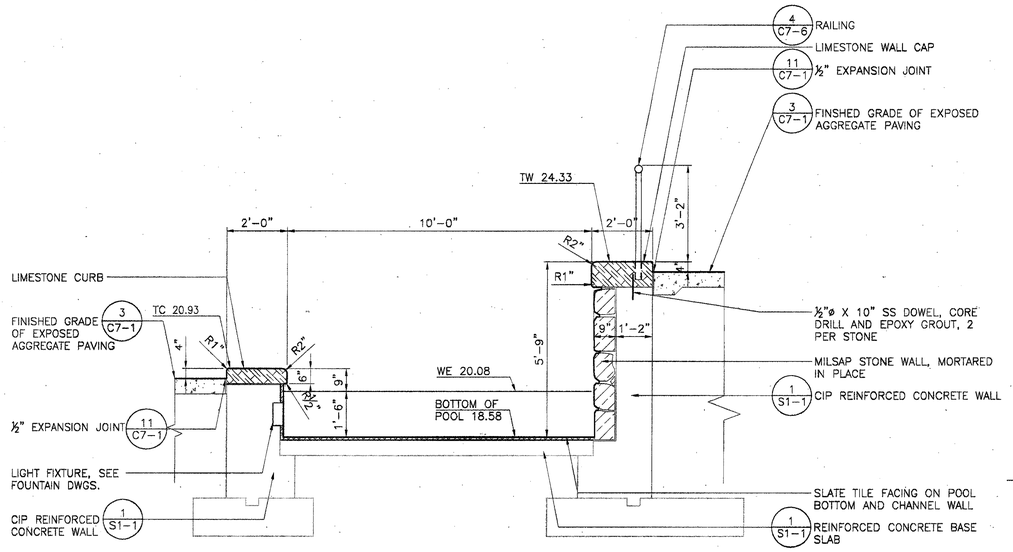
ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

Drawing Title:

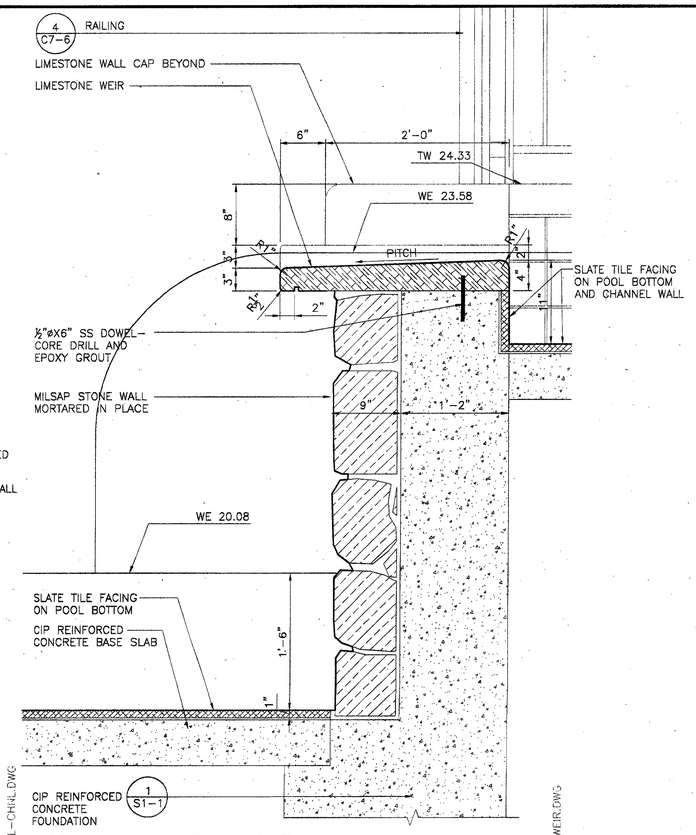
SITE DETAILS - UPPER CHANNEL AND RAILING

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

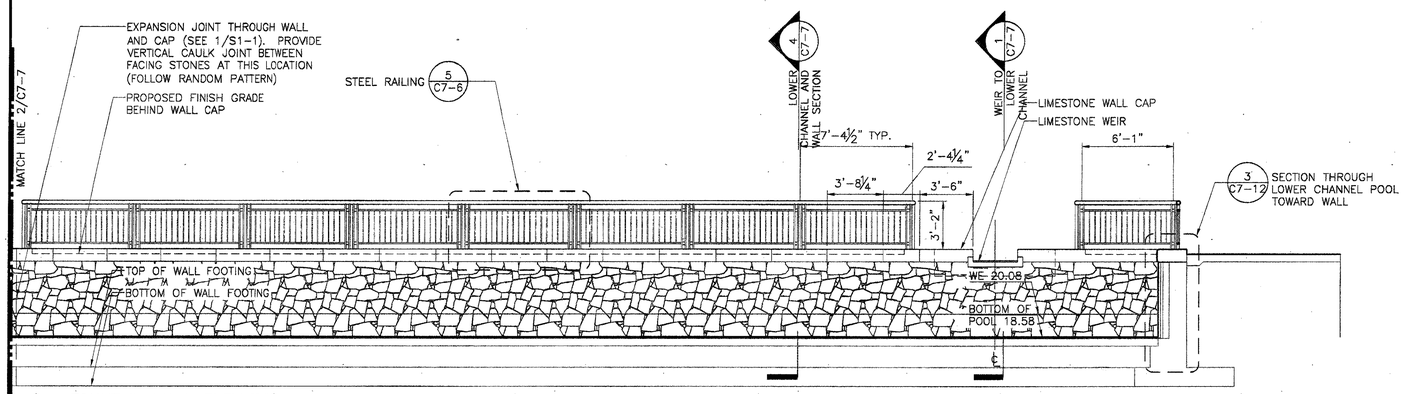
Drawing No.
C7-6



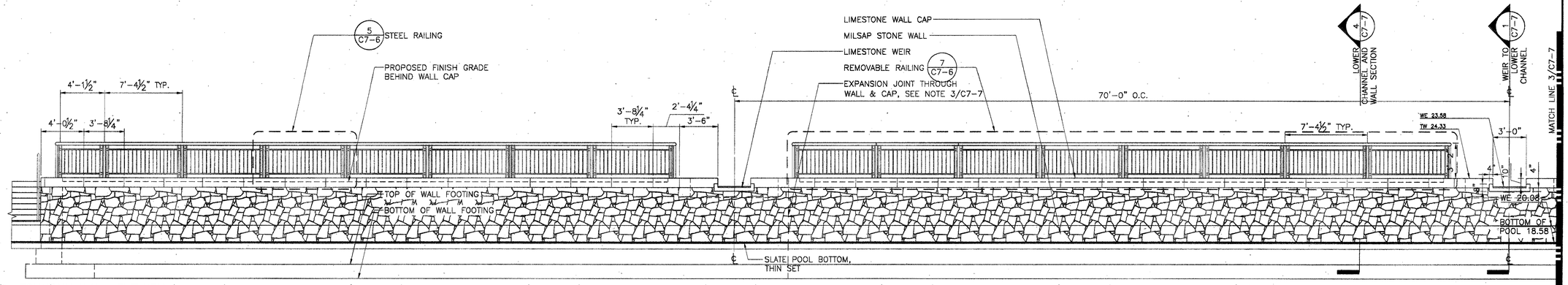
4 LOWER CHANNEL AND WALL SECTION
SCALE: 1/2"=1' - 0"



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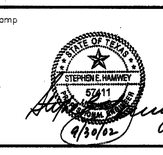
No.	Description	Date
	ISSUED FOR CONSTRUCTION	09-30-02

DWG ISSUE & REVISION HISTORY

Stamp



Project Title:

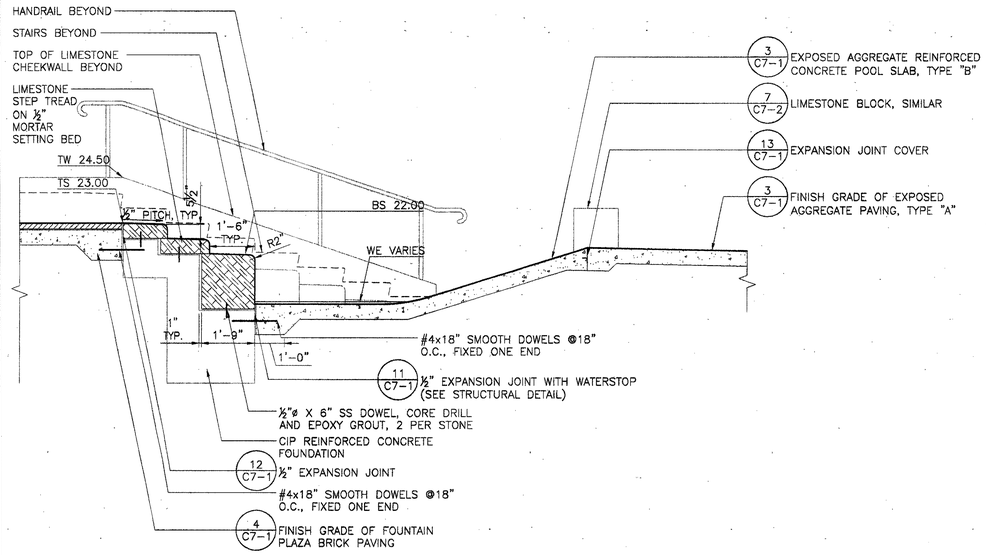
ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

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

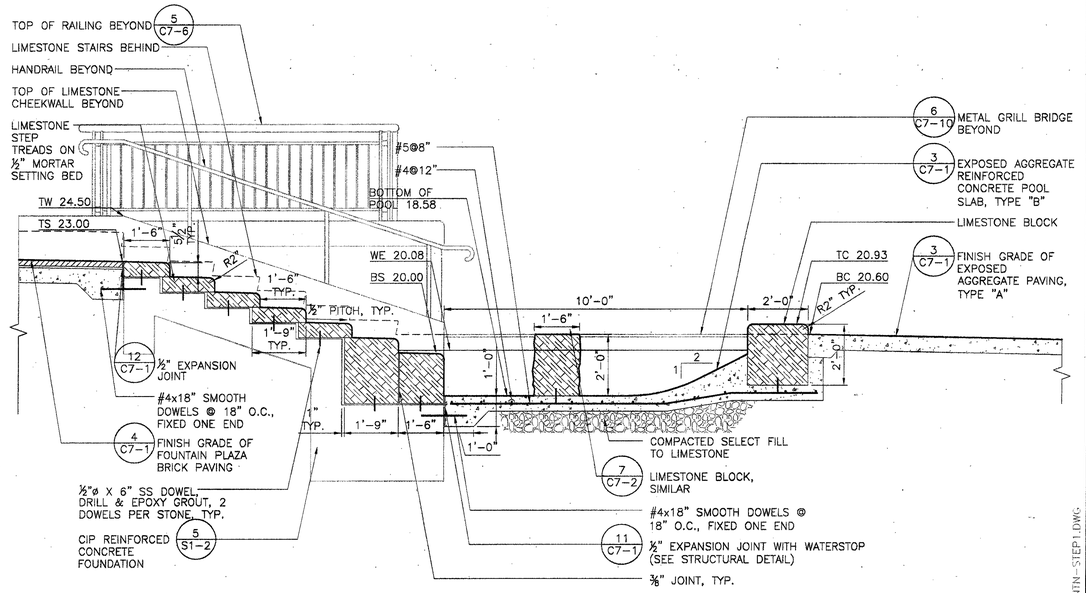
Drawing No.
C7-7



5 PLAZA FOUNTAIN STEPS SECTION 3

SCALE: 1/2"=1' – 0"

S-FNTN-STEP3.DWG



2 PLAZA FOUNTAIN STEPS SECTION 1

SCALE: 1/2"=1' – 0"

S-FNTN-STEP1.DWG

4 PLAZA FOUNTAIN STEPS SECTION 2

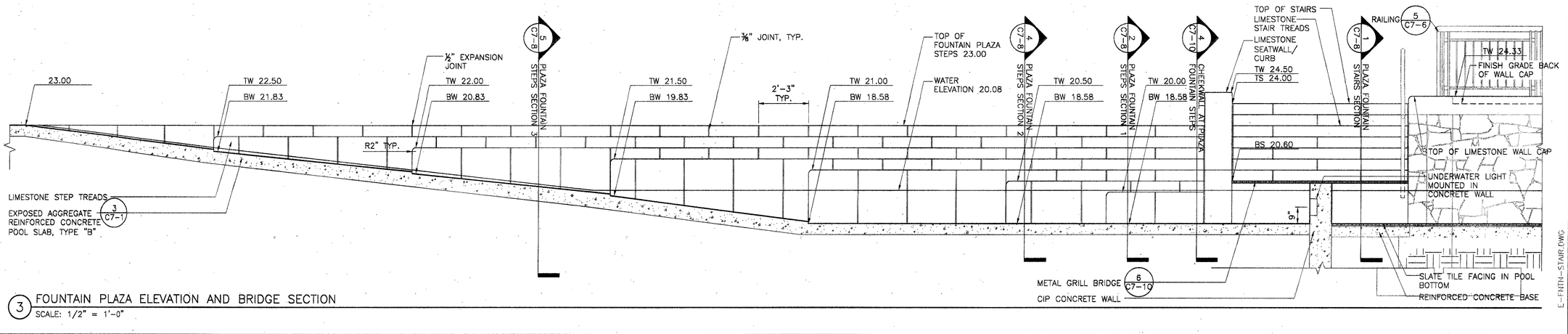
SCALE: 1/2"=1' – 0"

S-FNTN-STEP2.DWG

1 PLAZA FOUNTAIN STAIRS SECTION

SCALE: 1/2"=1' – 0"

S-FNTN-STAIR.DWG



3 FOUNTAIN PLAZA ELEVATION AND BRIDGE SECTION

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

E-FNTN-STAIR.DWG

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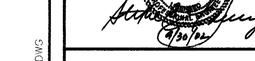
No.	Description	Date
	ISSUED FOR CONSTRUCTION	09-30-02

DWG ISSUE & REVISION HISTORY

Stamp



Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

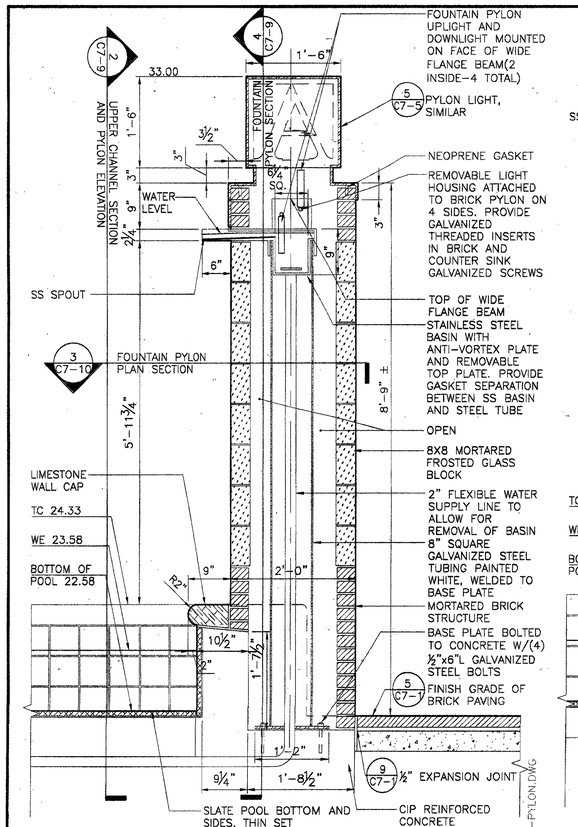
Drawing Title:

SITE DETAILS - PLAZA FOUNTAIN STEPS

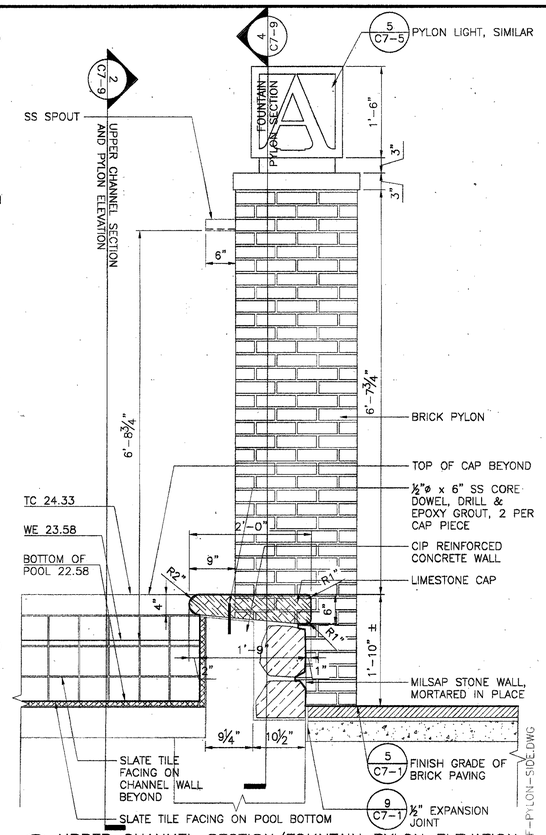
Project No. 14516.00 Scale: AS NOTED
Drawn By: CB
Checked By: DC
Approved By: SEH
Date: September 30, 2002

Drawing No.

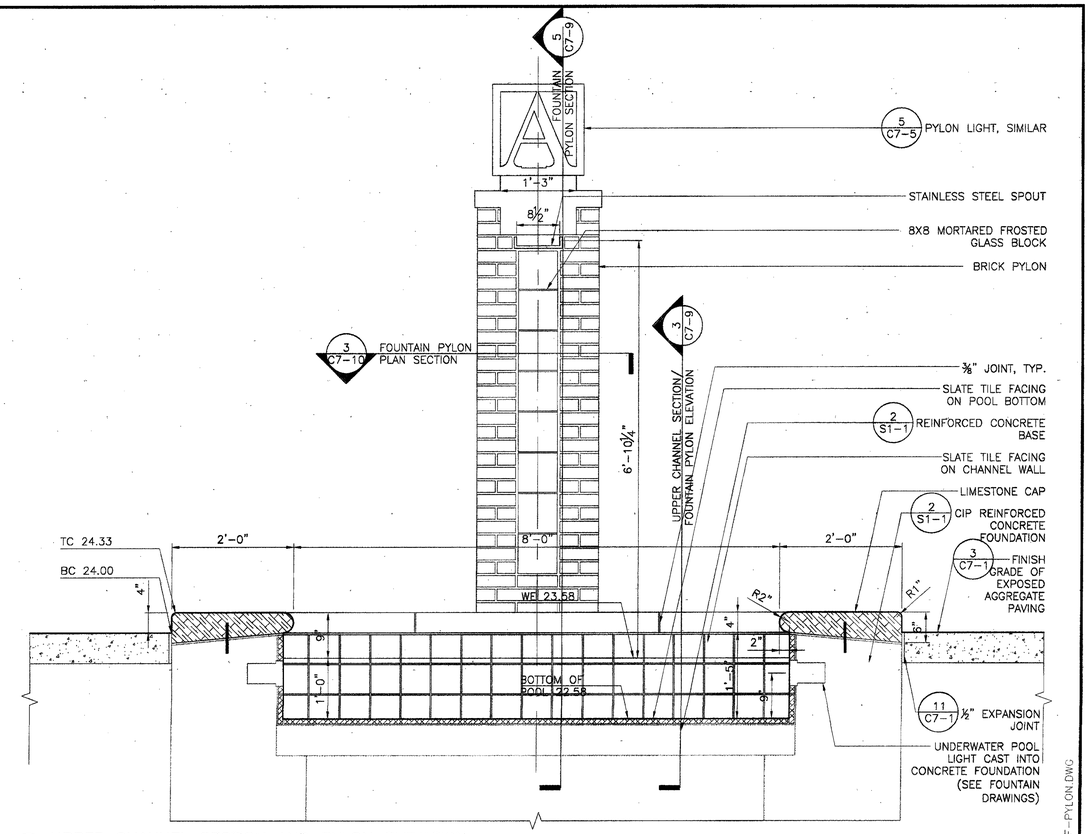
C7-8



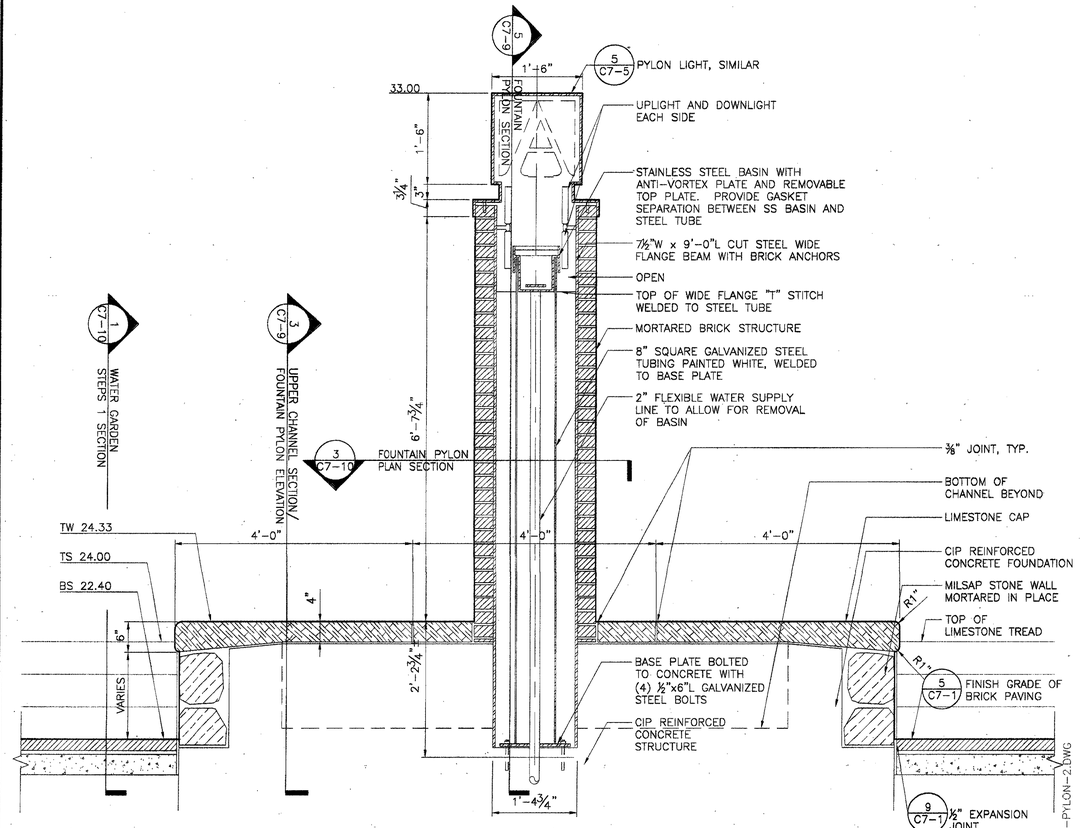
5 FOUNTAIN PYLON SECTION
SCALE: 1" = 1'-0"



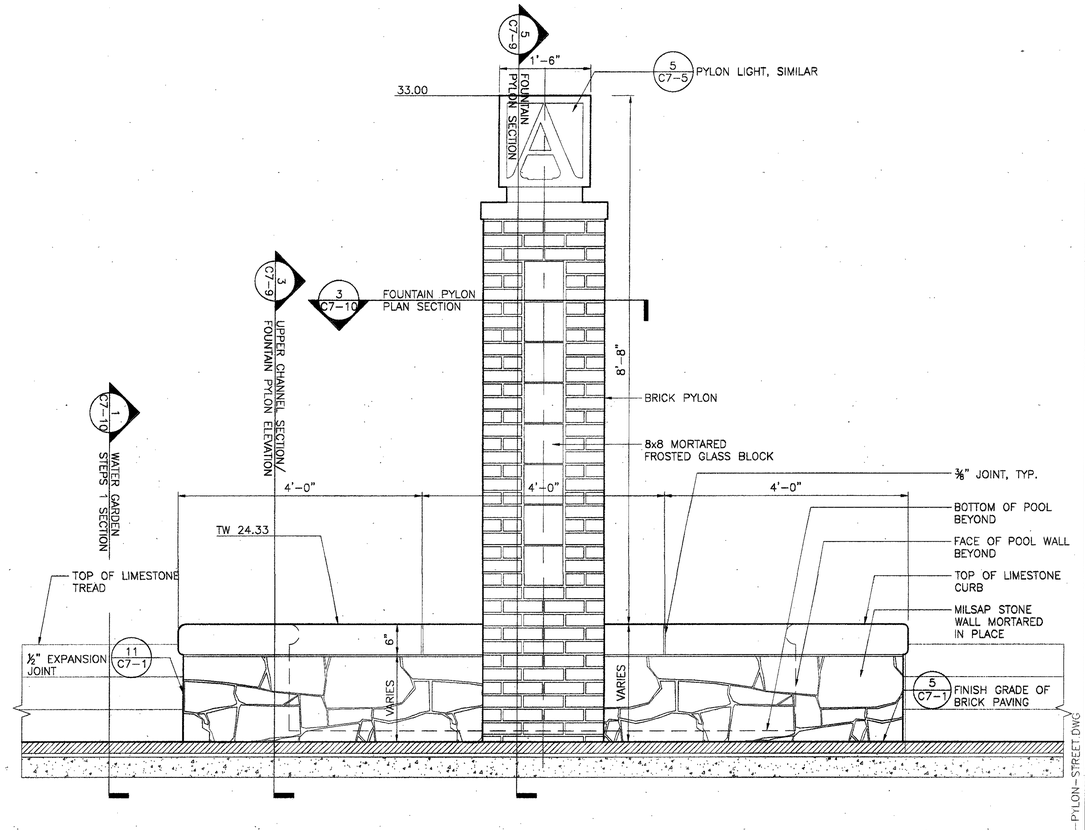
3 UPPER CHANNEL SECTION/FOUNTAIN PYLON ELEVATION
SCALE: 1" = 1'-0"



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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS
STEPHEN E. HAMMEY
57411
LICENSED LANDSCAPE ARCHITECT
9/30/02

Project Title:

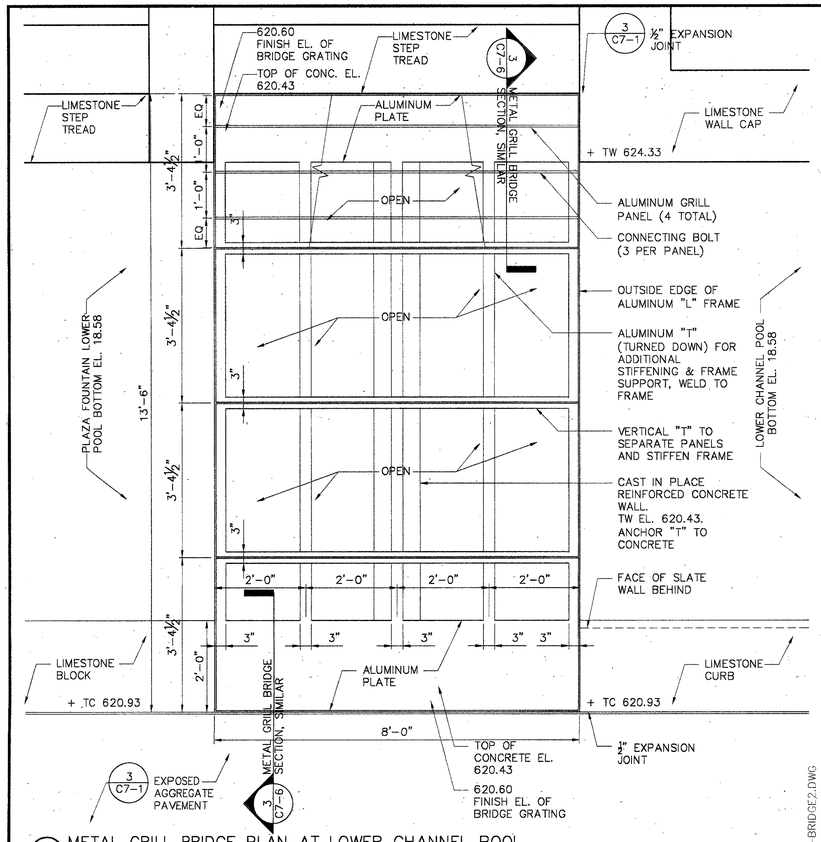
ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

Drawing Title:

SITE DETAILS - FOUNTAIN PYLON

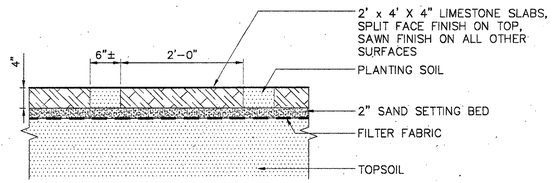
Project No. 14516.00 Scale: AS NOTED
Drawn By: CB
Checked By: DC
Approved By: SEH
Date: September 30, 2002

Drawing No.
C7-9



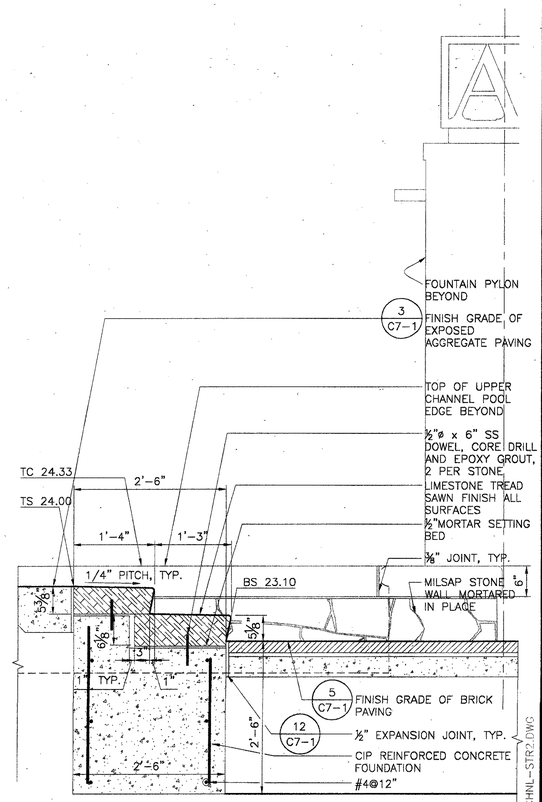
P-BRIDGE2.DWG

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



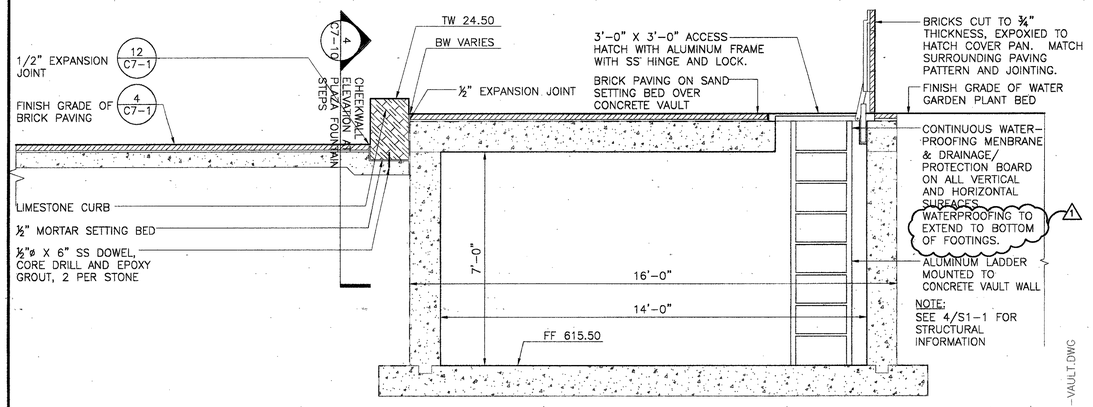
S-STN-GCVR.DWG

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



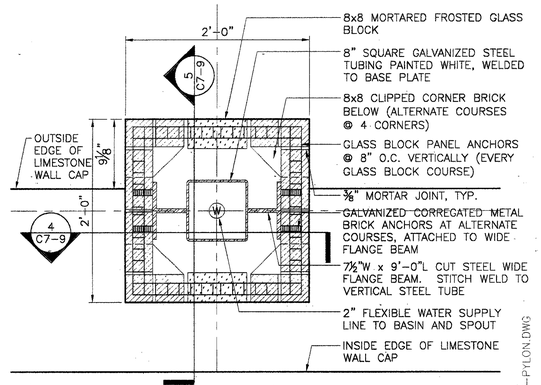
S-CHNL-STR2.DWG

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



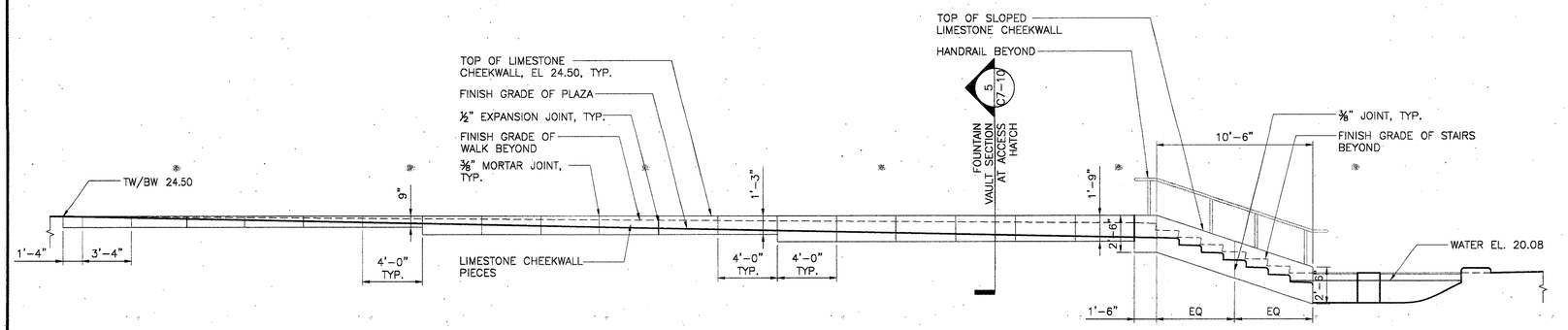
S-VAULT.DWG

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



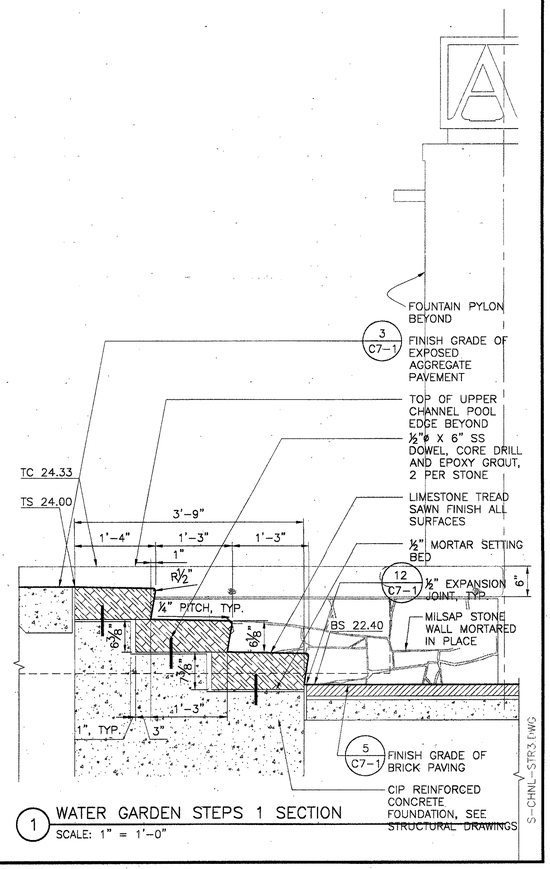
P-F-PYLON.DWG

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



S-FNTN-CHK-WL.DWG

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



S-CHNL-STR3.DWG

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

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS
STEPHEN E. HAMWEY
57411
REGISTERED LANDSCAPE ARCHITECT
11/1/02

Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

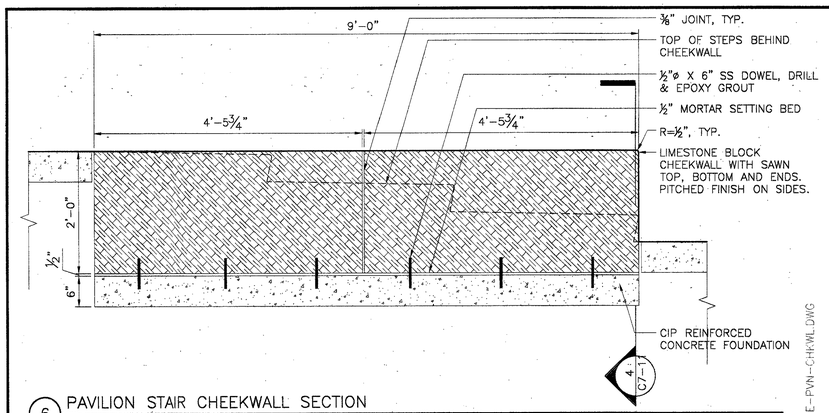
Drawing Title:

SITE DETAILS - FOUNTAIN

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

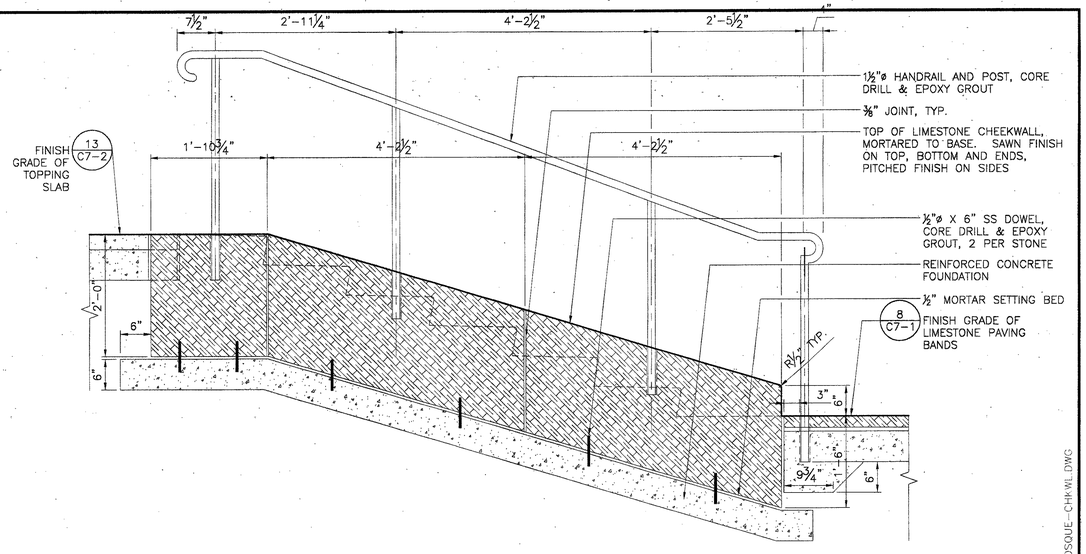
Drawing No.

C7-10



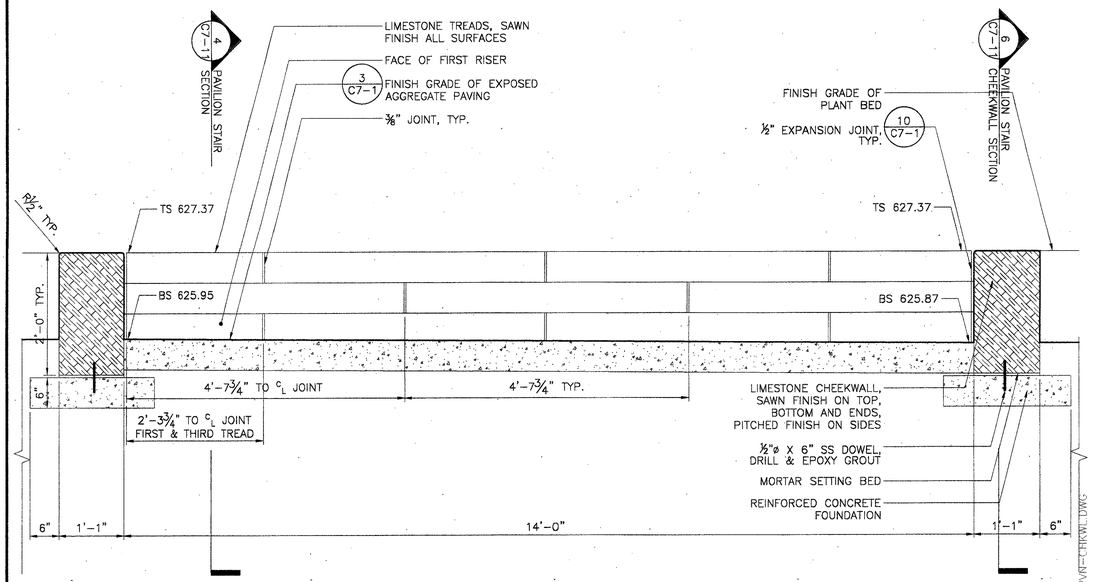
6 PAVILION STAIR CHEEKWALL SECTION
SCALE: 1" = 1'-0"

E-PVN-CHKWL.DWG



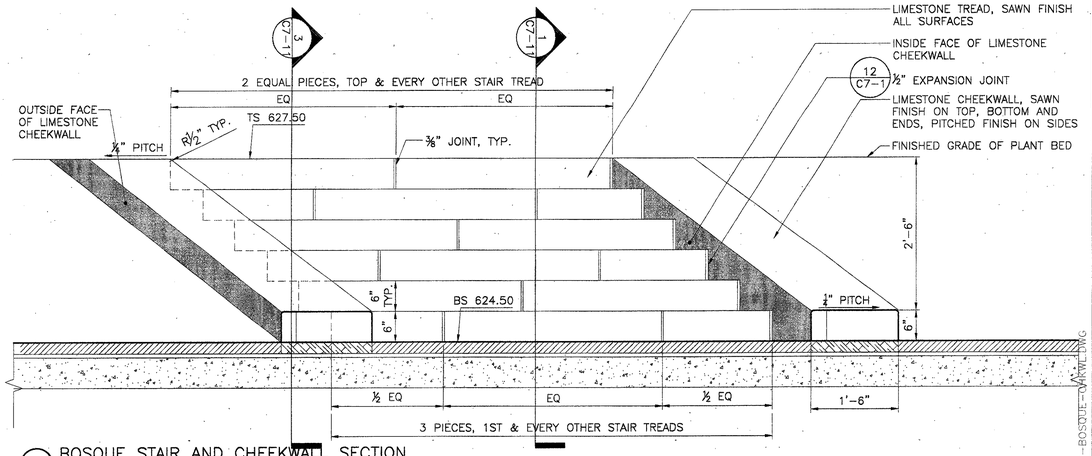
3 BOSQUE CHEEKWALL SECTION
SCALE: 1" = 1'-0"

E-BOSQUE-CHKWL.DWG



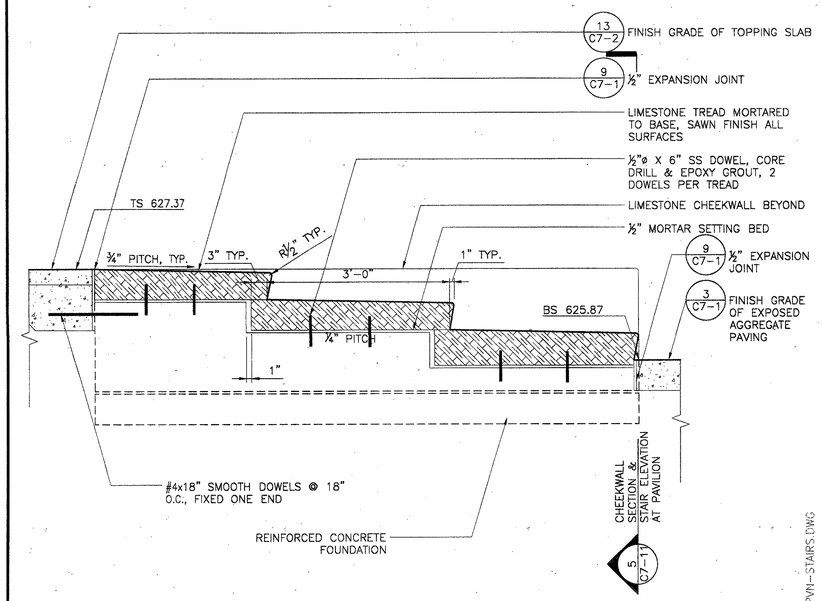
5 CHEEKWALL SECTION & STAIR ELEVATION AT PAVILION
SCALE: 1" = 1'-0"

S-PVN-CHKWL.DWG



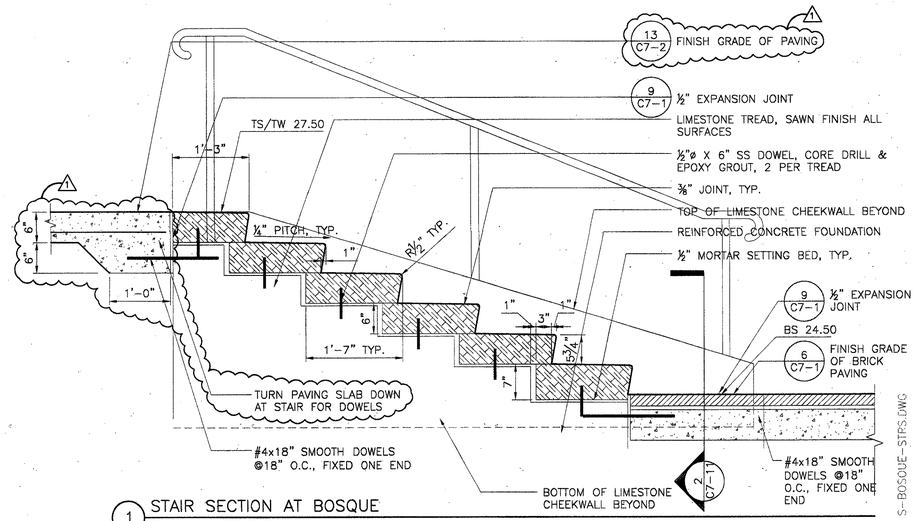
2 BOSQUE STAIR AND CHEEKWALL SECTION
SCALE: 1" = 1'-0"

S-BOSQUE-CHKWL.DWG



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

S-PVN-STAIRS.DWG



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

S-BOSQUE-STPS.DWG

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS
STEPHEN E. HAMWEY
57611
LICENSED LANDSCAPE ARCHITECT
10/21/02

Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

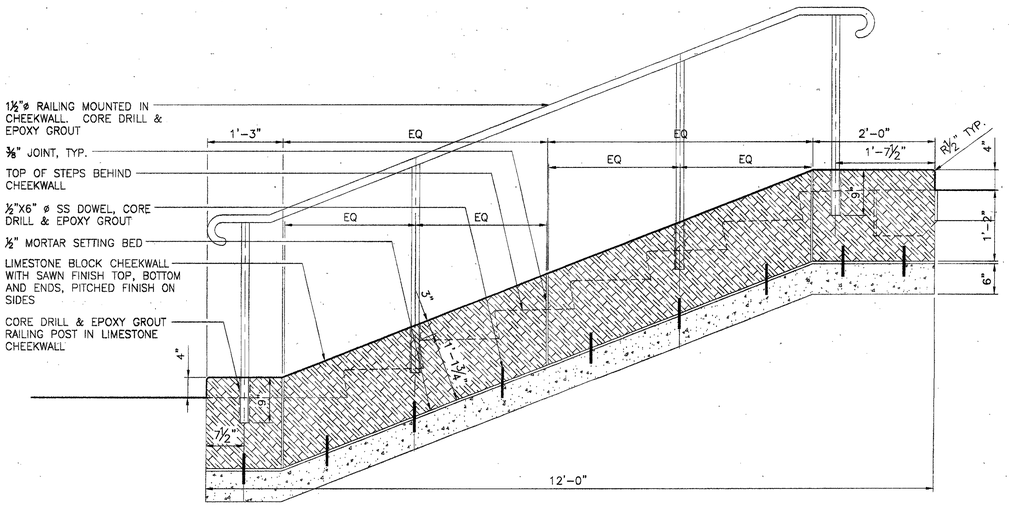
Drawing Title:

SITE DETAILS - STAIRS

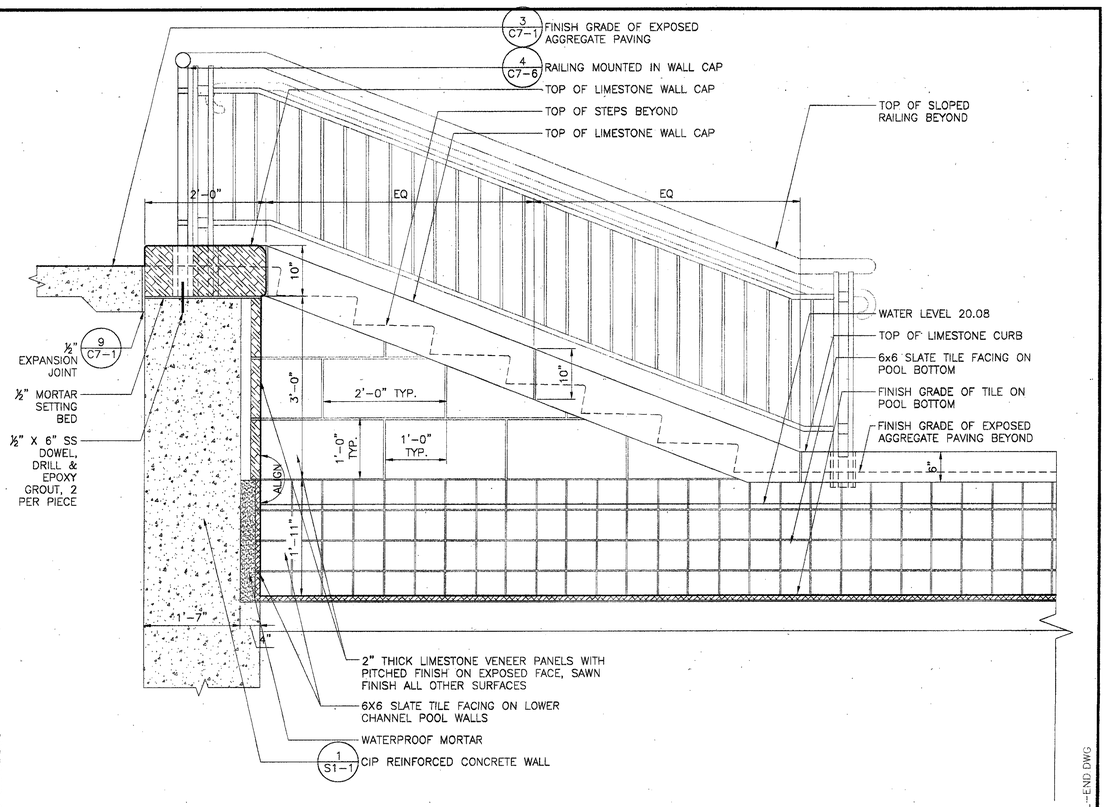
Project No. 14516.00 Scale: AS NOTED
Drawn By: CB
Checked By: DC
Approved By: SEH
Date: September 30, 2002

Drawing No.

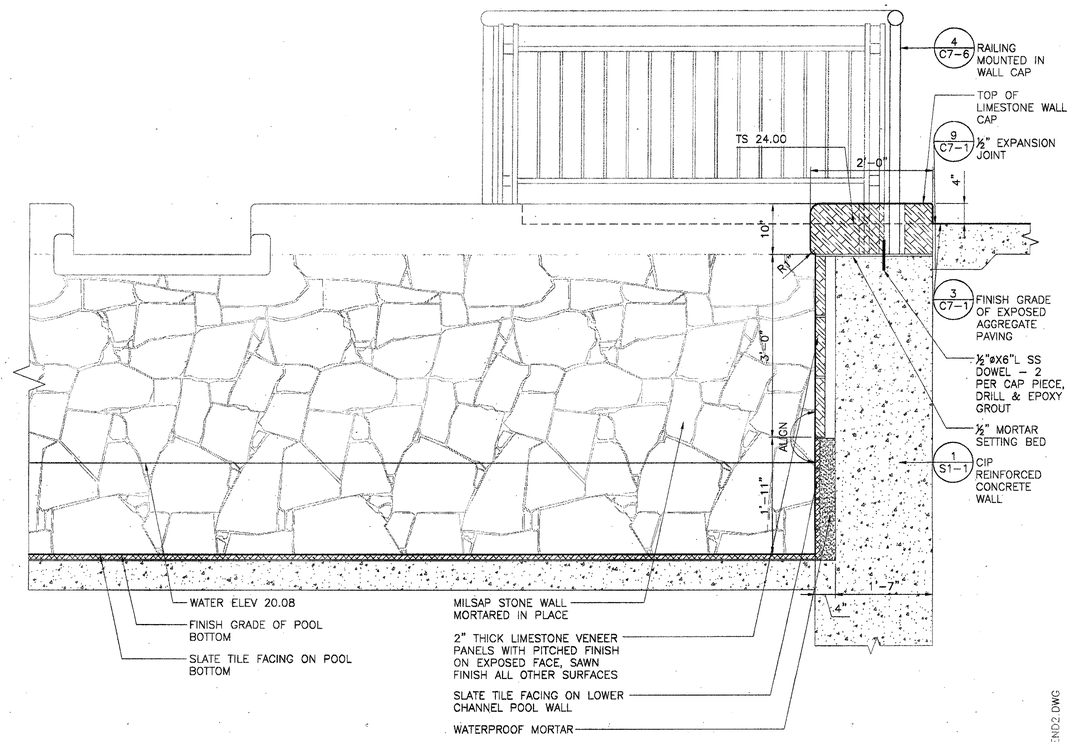
C7-11



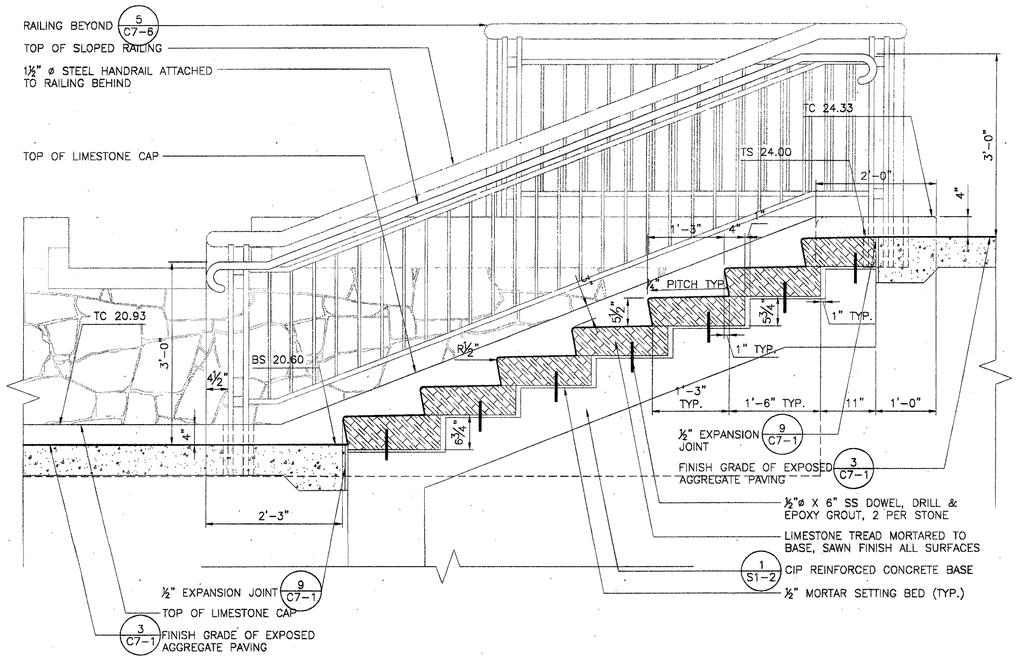
4 LOWER CHANNEL STAIRS CHEEKWALL SECTION
SCALE: 1" = 1'-0"



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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DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS
STEPHEN E. HAMMEY
67411
REGISTERED LANDSCAPE ARCHITECT
9/30/02

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
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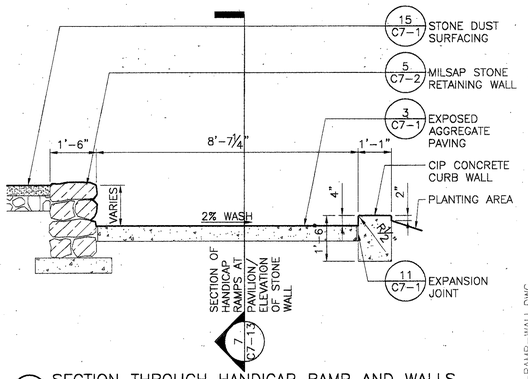
Date: September 30, 2002

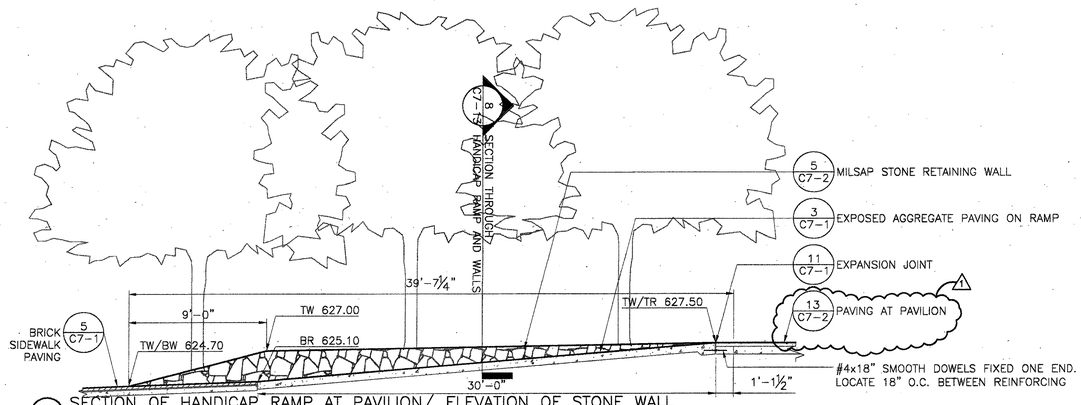
Drawing No.
C7-12

S-STAIRS-CHNL-WL.DWG
S-L-CHNL-END.DWG
S-L-CHNL-END2.DWG
S-STAIRS.DWG



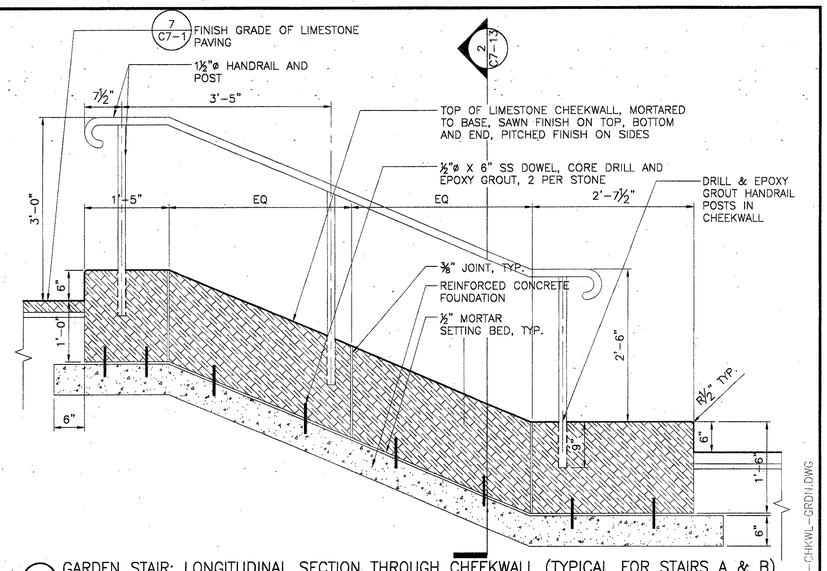
8 SECTION THROUGH HANDICAP RAMP AND WALLS
SCALE: 1/2" = 1'-0"

S-RAMP-WALL.DWG



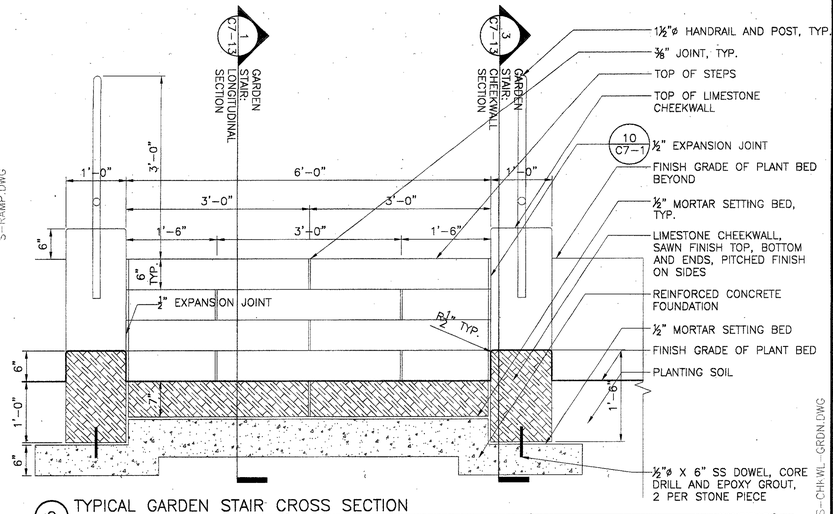
7 SECTION OF HANDICAP RAMP AT PAVILION/ ELEVATION OF STONE WALL
SCALE: 1/4" = 1'-0"

S-RAMP.DWG



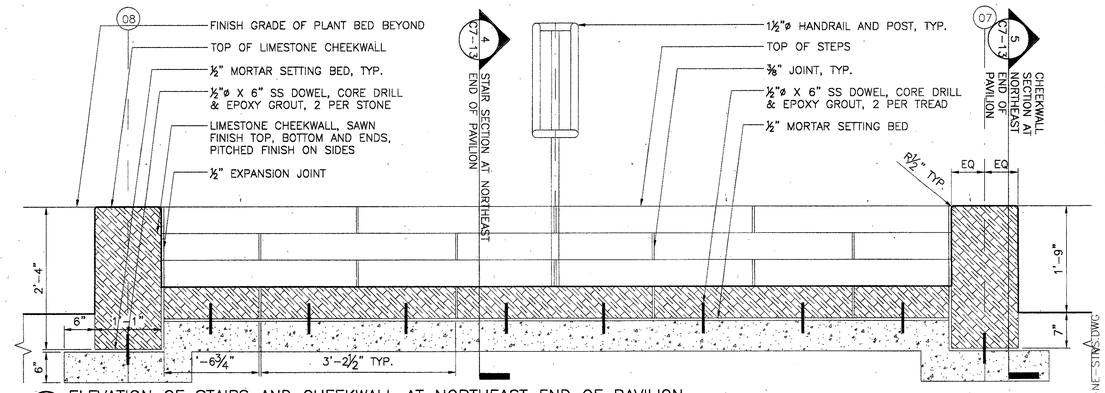
3 GARDEN STAIR: LONGITUDINAL SECTION THROUGH CHEEKWALL (TYPICAL FOR STAIRS A & B)
SCALE: 1" = 1'-0"

E-CHKWL-GRDN.DWG



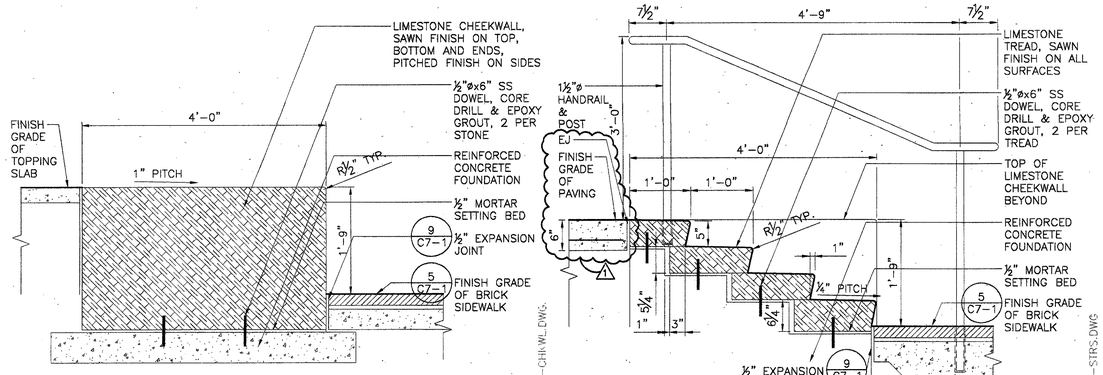
2 TYPICAL GARDEN STAIR CROSS SECTION
SCALE: 1" = 1'-0"

S-CHKWL-GRDN.DWG



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

E-NE-STRS.DWG

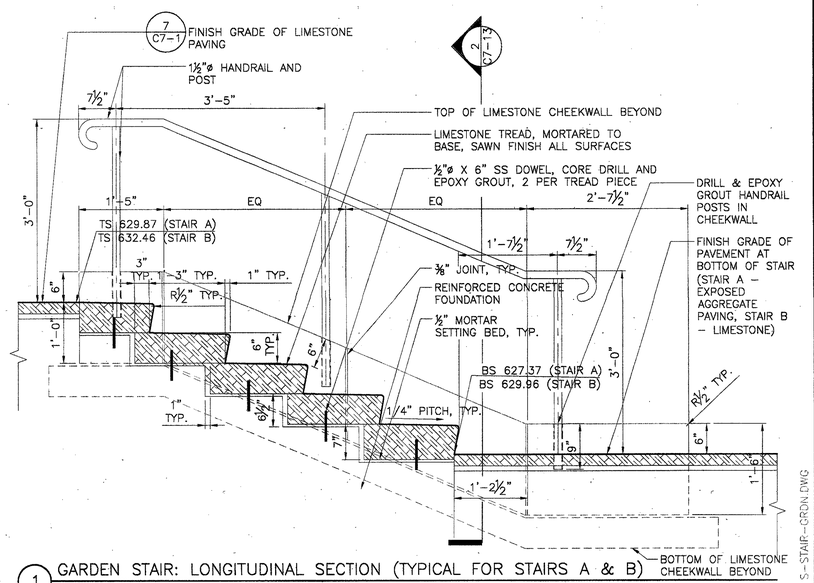


5 CHEEKWALL SECTION AT NORTHEAST END OF PAVILION
SCALE: 1" = 1'-0"

S-NE-CHK-WL.DWG

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

S-NE-STRS.DWG



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

S-STAIR-GRDN.DWG

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS
STEPHEN E. HAMWEY
57411
REGISTERED LANDSCAPE ARCHITECT

Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

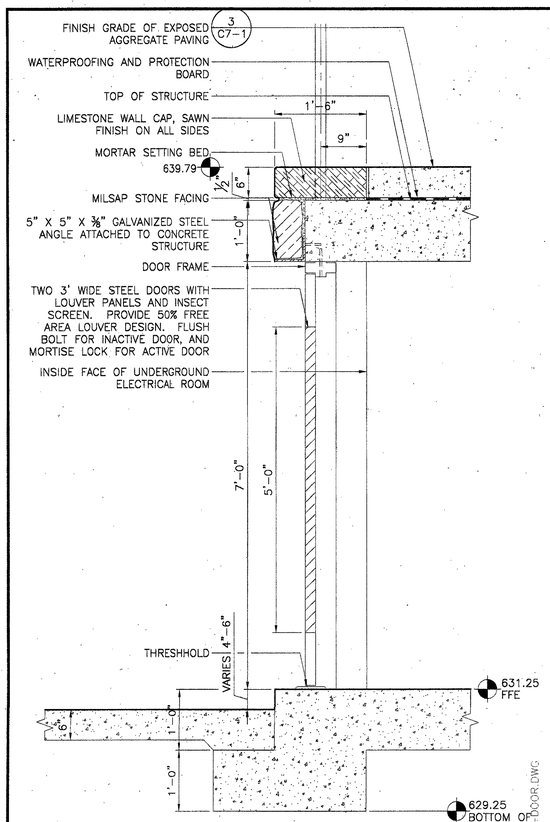
Drawing Title:

SITE DETAILS - STAIRS

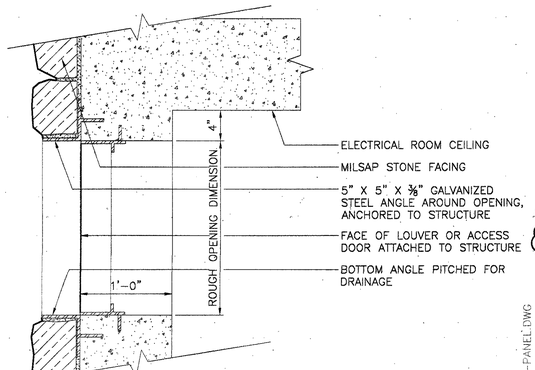
Project No. 14516.00 Scale: AS NOTED
Drawn By: CB
Checked By: DC
Approved By: SEH
Date: September 30, 2002

Drawing No.

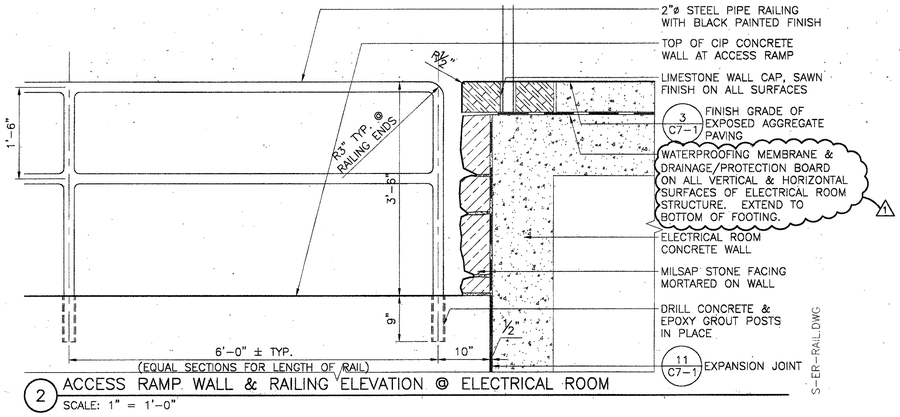
C7-13



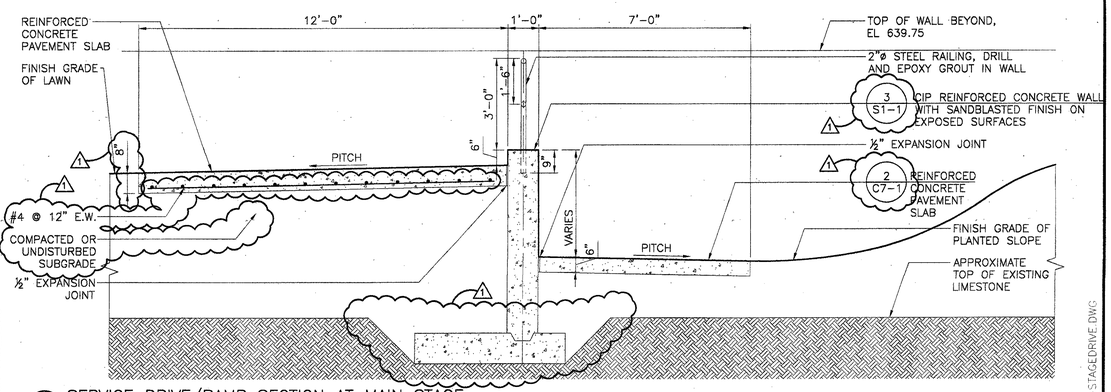
6 SECTION AT ELECTRICAL ROOM ACCESS DOOR
SCALE: 1" = 1'-0"



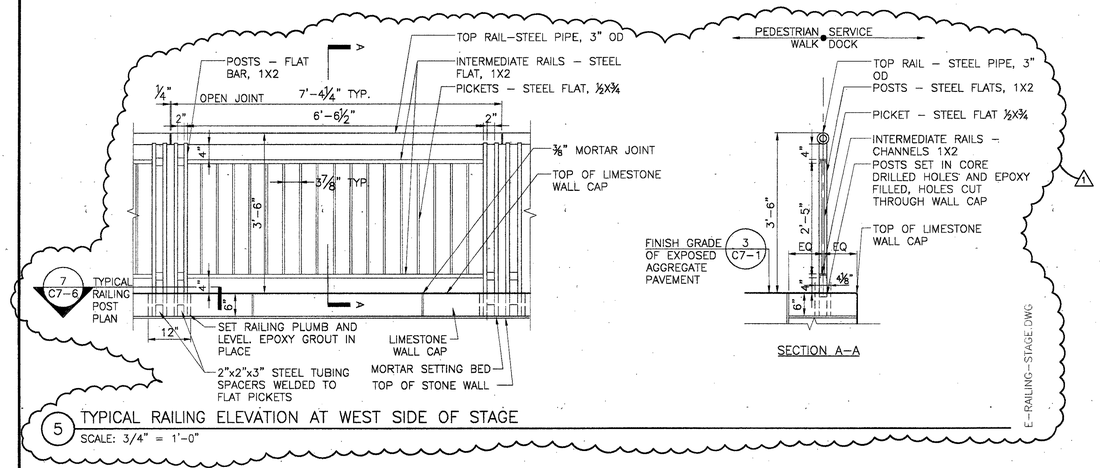
3 ELECTRICAL ROOM LOUVER & ACCESS PANEL SECTION
SCALE: 1 1/2" = 1'-0"



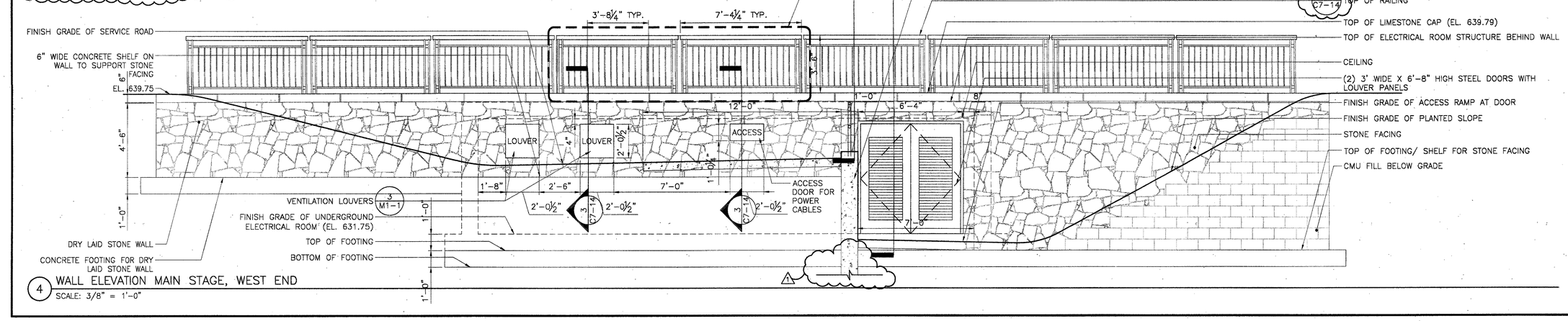
2 ACCESS RAMP WALL & RAILING ELEVATION @ ELECTRICAL ROOM
SCALE: 1" = 1'-0"



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



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



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

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1	ADDENDUM #2	10-21-02
	ISSUED FOR CONSTRUCTION	09-30-02

DWG ISSUE & REVISION HISTORY

Stamp

Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

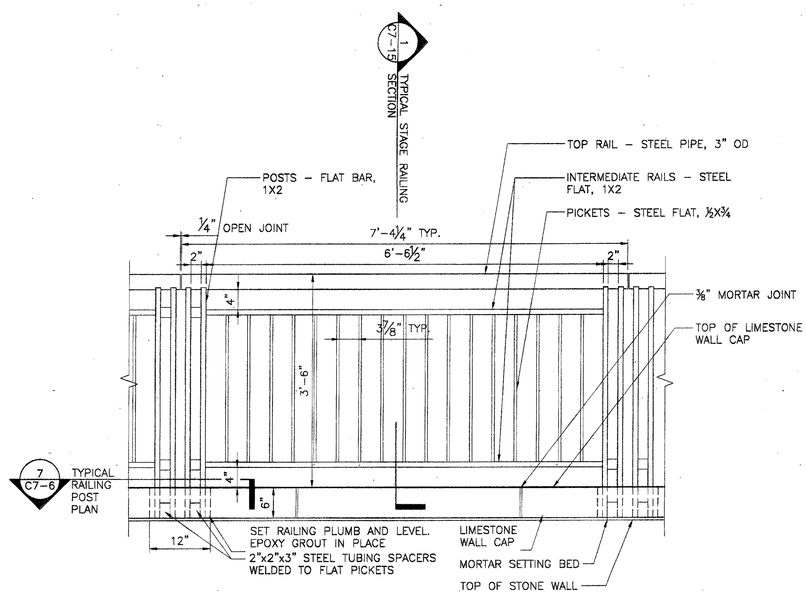
Drawing Title:

SITE DETAILS - ELECTRICAL ROOM

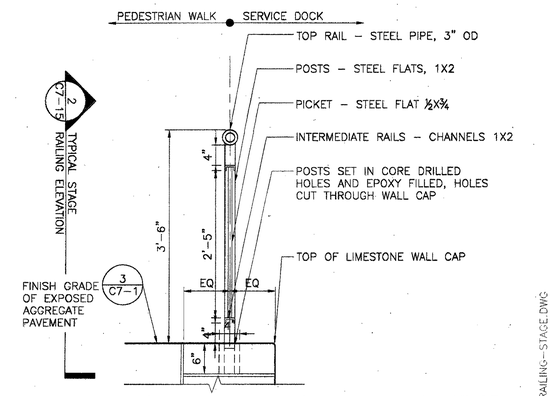
Project No. 14516.00 Scale: AS NOTED
Drawn By: CB
Checked By: DC
Approved By: SEH
Date: September 30, 2002

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"

E-RAILING-STAGE.DWG

S-RAILING-STAGE.DWG

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No.	Description	Date
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DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS
STEPHEN E. HAMWEY
87411
LICENSED PROFESSIONAL ENGINEER

Project Title:

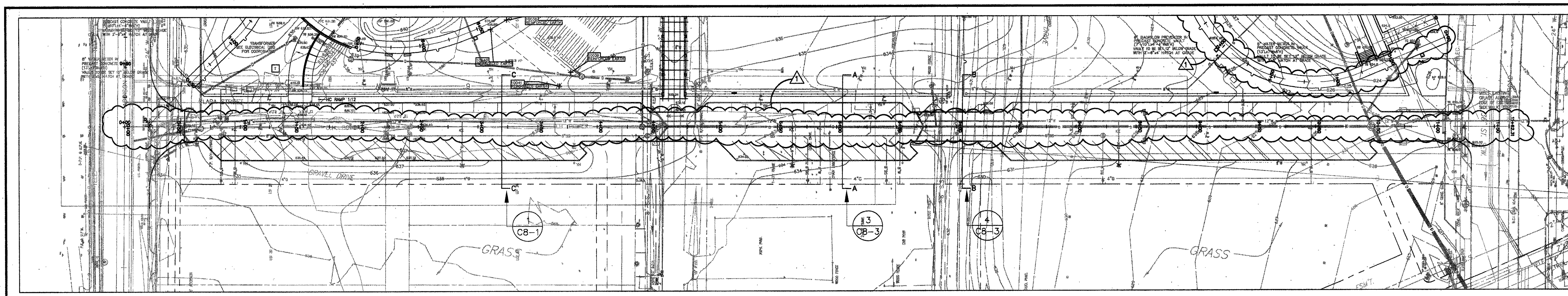
ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

Drawing Title:

SITE DETAILS - ELECTRICAL ROOM

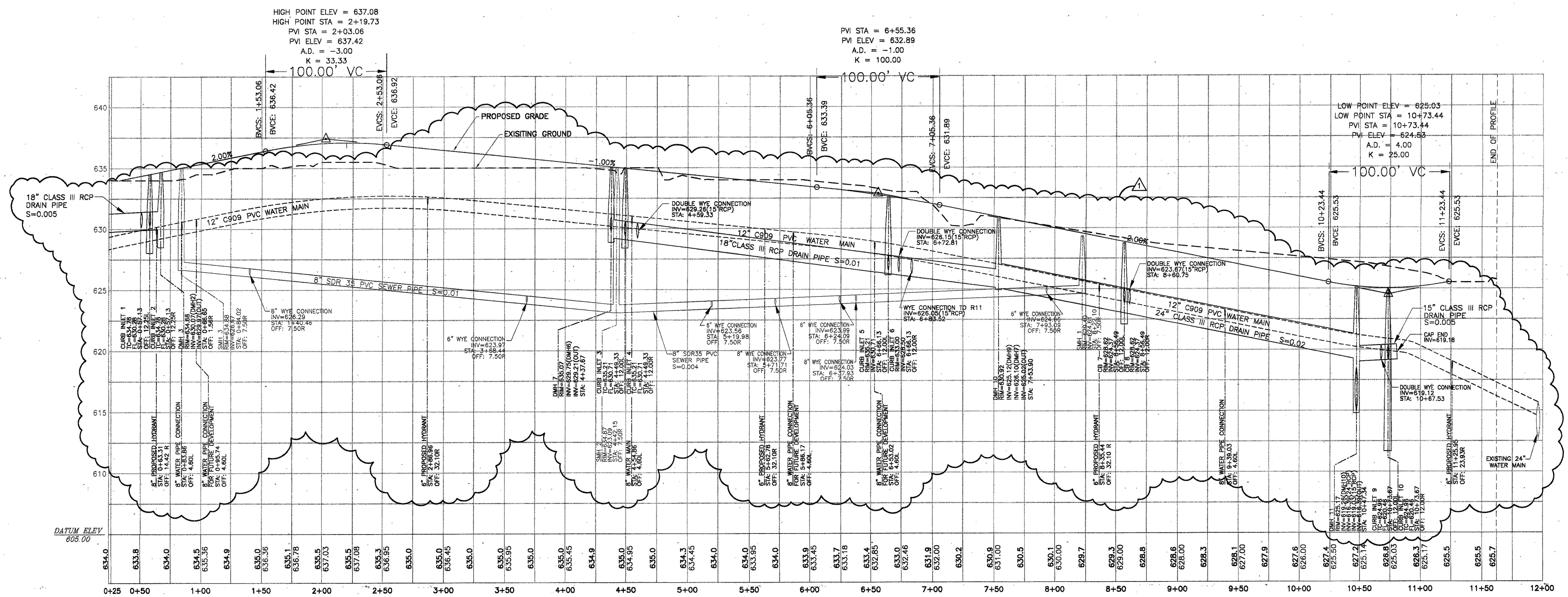
Project No. 14516.00 Scale: AS NOTED
Drawn By: CB
Checked By: DC
Approved By: SEH
Date: September 30, 2002

Drawing No.
C7-15



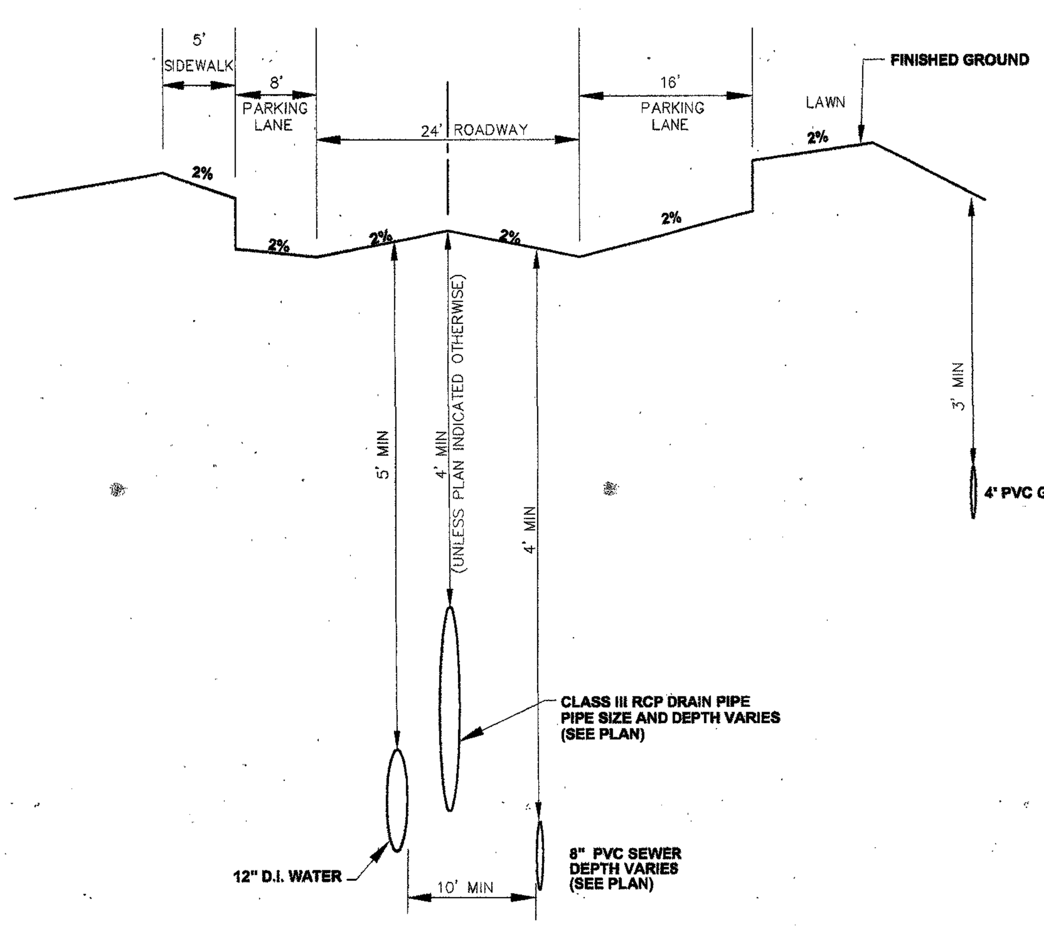
FESTIVAL WAY PLAN VIEW

SCALE: 1" = 40'-0"



FESTIVAL WAY PROFILE

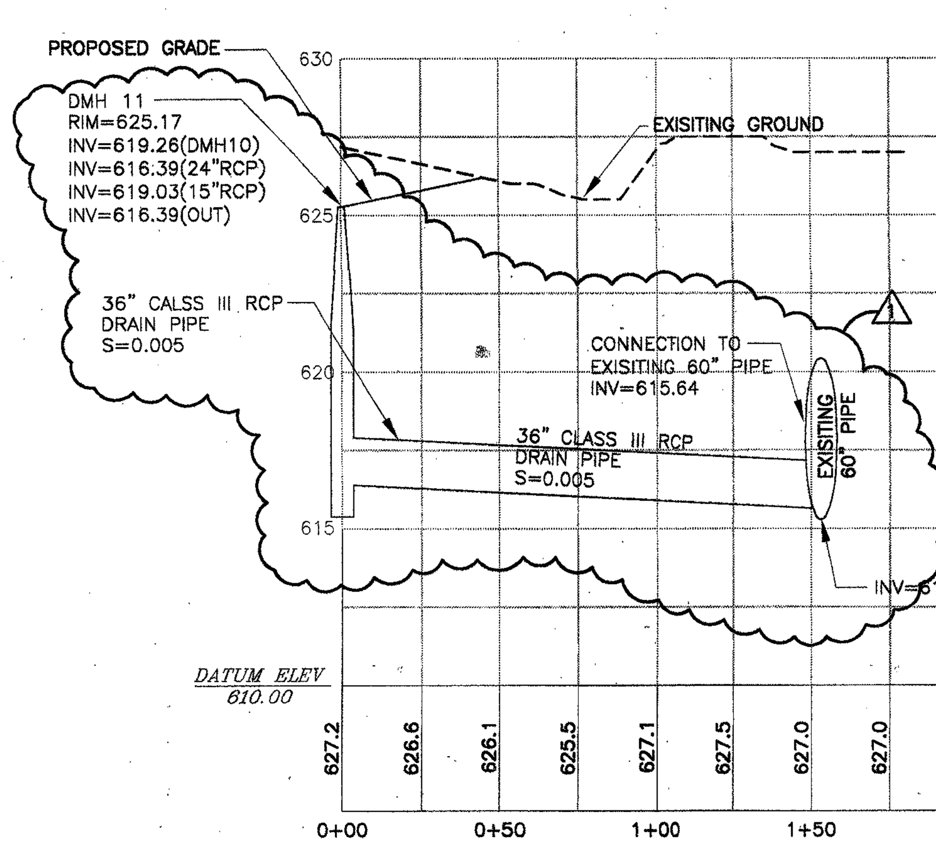
SCALE: HORIZONTAL: 1" = 40'-0"
VERTICAL: 1" = 4'-0"



1 TYPICAL SECTION OF FESTIVAL WAY

NTS

14516.00\CAD\CIVIL\SECTIONA-A.DWG



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Interdisciplinary Design

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS — STEPHEN E. HAMWEY — 57411 — PROFESSIONAL ENGINEER — 10/21/02

N

0 10' 20' 40'

Project Title:

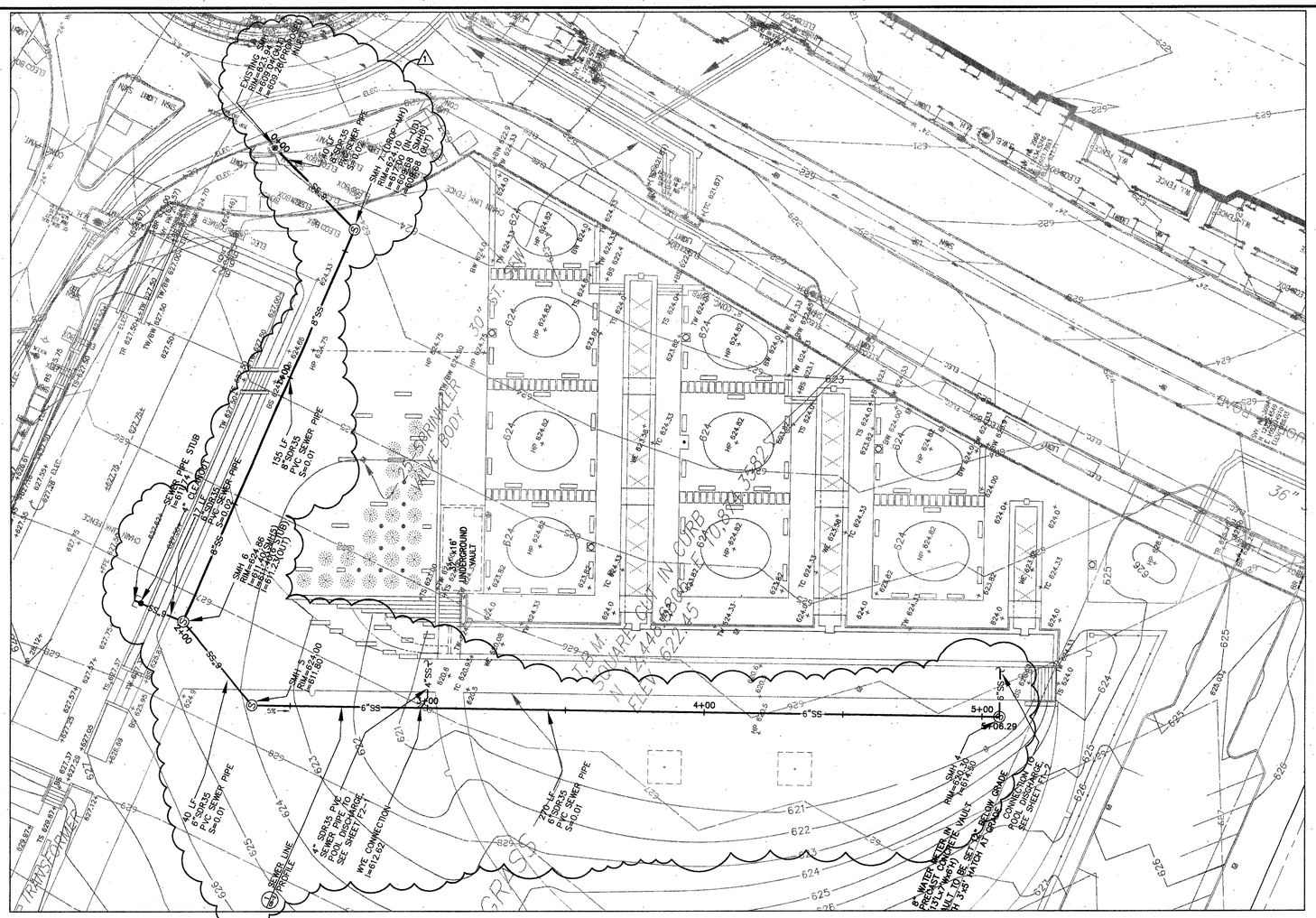
ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

Drawing Title:

FESTIVAL WAY PROFILE

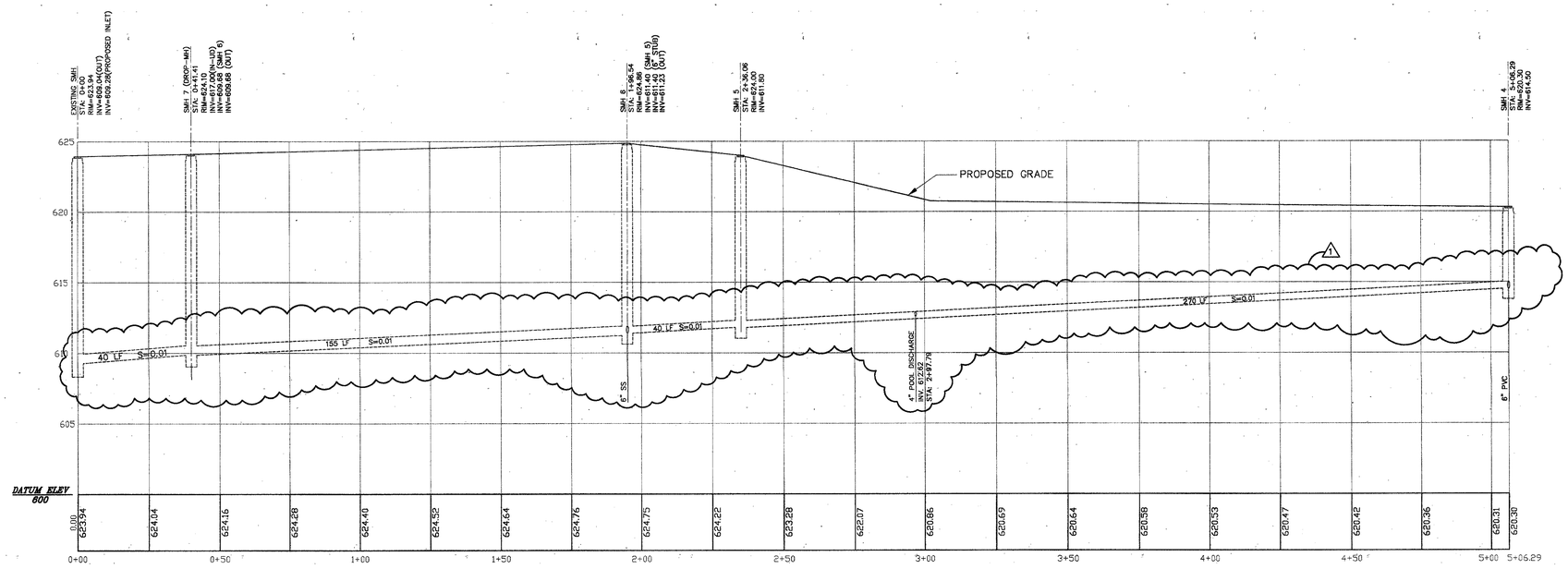
Project No. 14516.00 Scale: AS NOTED
Drawn By: JL
Checked By: TC
Approved By: SEH
Date: September 30, 2002

Drawing No. **C8-1**



SEWER PLAN VIEW

SCALE: 1" = 20'-0"



SEWER PROFILE

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

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS
STEPHEN E. HARMEY
87411
LICENSED PROFESSIONAL ENGINEER
10/21/02

N

0 10' 20' 40'

Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

Drawing Title:

SEWER PROFILE

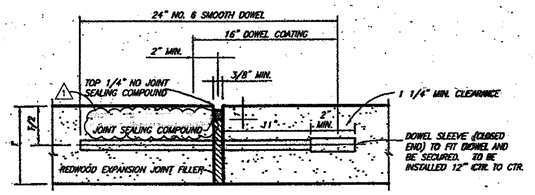
Project No. 14516.00 Scale: AS NOTED
Drawn By: JL
Checked By: TC
Approved By: SEH
Date: September 30, 2002

Drawing No.

C8-2

PAVING NOTES:

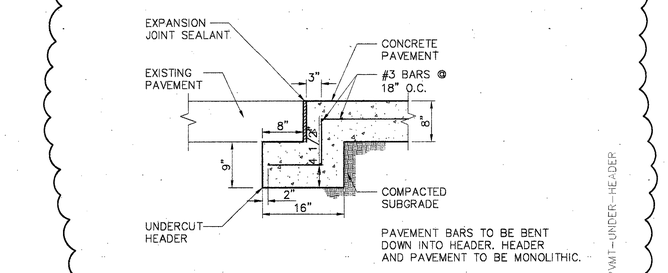
1. CONCRETE FOR ALL STREETS SHALL BE IN ACCORDANCE WITH NCTCOG CLASS 'A' CONCRETE (4,000 P.S.I. COMPRESSIVE STRENGTH @ 28 DAYS).
2. REINFORCING STEEL SHALL BE DEFORMED BARS NO. 3, 18 INCHES ON CENTER, OR BARS NO. 4, 24 INCHES ON CENTER. REINFORCING SHALL BE IN BOTH DIRECTIONS ON CENTER. REINFORCING STEEL 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 NCTCOG.
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 NCTCOG ITEM 3.12.
10. SIDEWALK SHALL BE DOWELED INTO 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.*

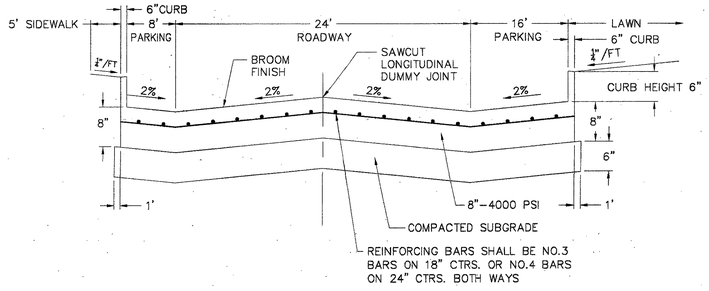
1 TRANSVERSE EXPANSION JOINT

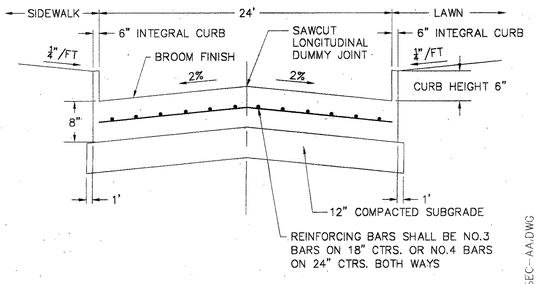


2 ROADWAY PAVEMENT UNDERCUT HEADER SECTION

SCALE: NTS

S-RD-PVMT-UNDER-HEADER





4 TYPICAL CROSS SECTION OF FESTIVAL WAY (B–B)

SCALE: NTS

RD-X-SEC-AA.DWG

STANDARD SPECIFICATIONS:

A. REINFORCED CONCRETE PAVEMENTS

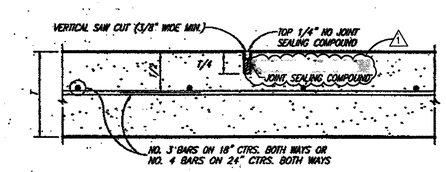
1. ALL CURBS SHALL BE PLACED INTEGRAL WITH PAVEMENT.
2. CURBS SHALL MEET THE SAME COMPRESSIVE STRENGTH AS SPECIFIED FOR THE CONCRETE PAVEMENT.
3. BAR CHAIRS OR AN APPROVED SUPPORTING DEVICE SHALL BE FURNISHED

B. CROSS SLOPE SHALL BE ¼" PER FOOT UNLESS APPROVED BY ENGINEER

3 TYPICAL CROSS SECTION OF FESTIVAL WAY (A–A)

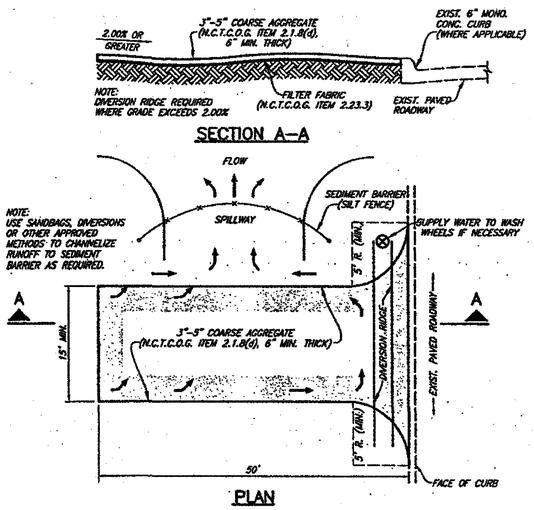
SCALE: NTS

RD-X-SEC-BB.DWG



TRANSVERSE JOINTS SPACED 15 FT. C.-C. (MAX.)
LONGITUDINAL JOINTS SPACED 20 FT. C.-C. (MAX.)

SAWED DUMMY JOINT

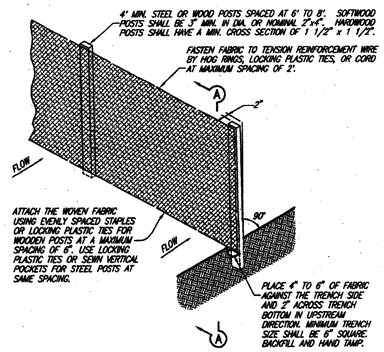


SECTION A–A

PLAN

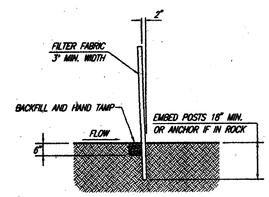
CONSTRUCTION ENTRANCE ROAD FOR EROSION CONTROL

NO SCALE



5 SILT FENCE ALTERNATE

NO SCALE



SECTION A–A

NO SCALE

EROSION CONTROL ALTERNATES

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS — STEPHEN E. HAMMEY — 57611 — REGISTERED — PROFESSIONAL ENGINEER — 10/31/02

Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

Drawing Title:

SITE DETAILS ROADWAY PAVING

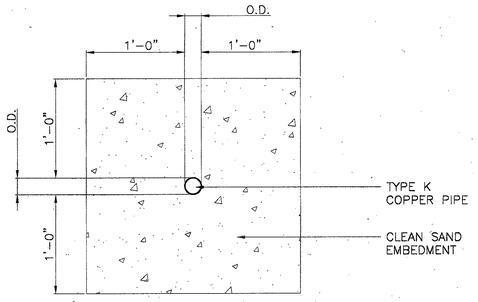
Project No. 14516.00 Scale: AS NOTED
Drawn By: SJM
Checked By: TC
Approved By: SEH
Date: September 30, 2002

Drawing No.

C8-3

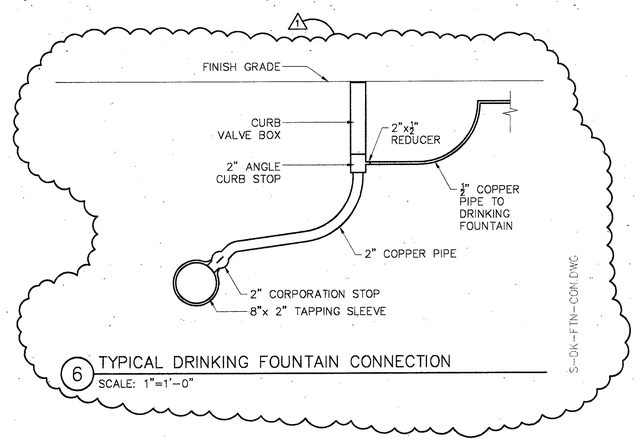
WATER NOTES:

1. ALL WATER LINE CROSSINGS OF SANITARY SEWER LINES SHALL BE AS SHOWN IN THE PLANS AND MEET TNRCC REQUIREMENTS.
2. PIPES 12 INCHES IN DIAMETER SHALL BE C909 PVC. ALL D.I.P. FITTINGS SHALL BE WRAPPED WITH AN 8MM POLYETHYLENE LINER.
3. ALL VALVES ON PIPE 12 INCHES AND SMALLER SHALL BE RESILIENT SEALED WEDGE VALVE (AWWA C509).
4. 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.
5. WATER LINES SHALL BE PRESSURE TESTED IN ACCORDANCE WITH NCTCOG ITEM 6.7.3.
6. ALL HORIZONTAL AND VERTICAL BENDS SHALL BE BLOCKED AND RESTRAINING GLANDS SHALL BE ADDED TO ALL MJ'S.
7. 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 LOCATIION 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

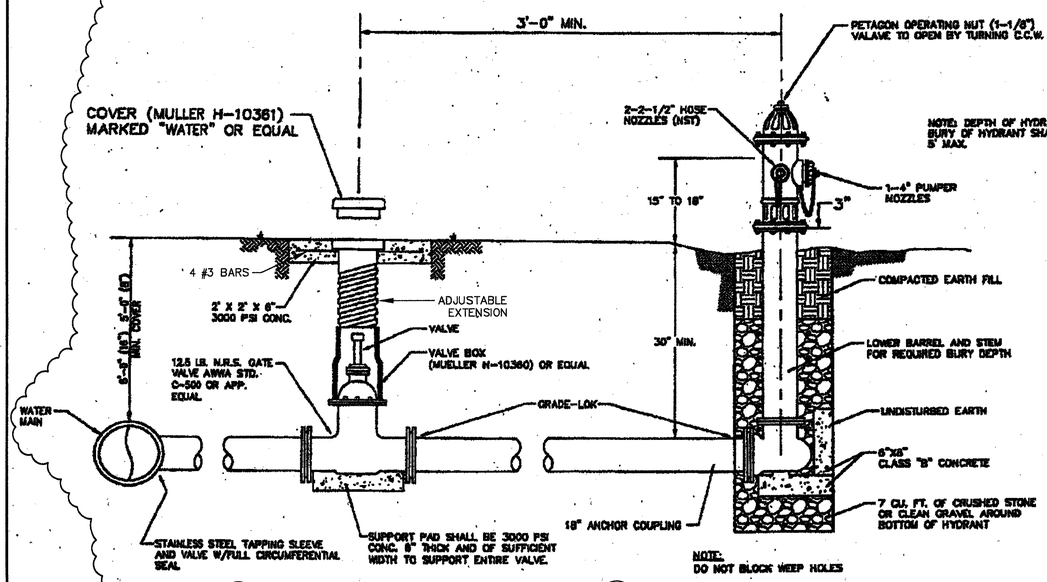
COPPER-P.DWG



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

S-DK-FTN-CON.DWG

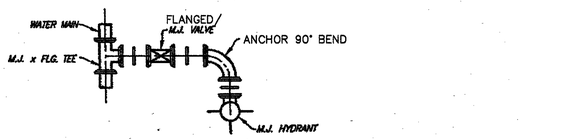
WATER VALVE NOTES:
1. 4" TO 12" GATE VALVE SHALL BE RESILIENT SEATED WEDGE GATE VALVES IN ACCORDANCE WITH AWWA STANDARD C-509.
2. VALVE BOXES SHALL BE CAST IRON AND SHALL BE OF SUFFICIENT LENGTH AND DIAMETER TO OPERATE ALL VALVES BURIED IN THE GROUND. COVERS SHALL BE MARKED "WATER". THE BOXES SHALL REST ON THE VALVE AND BE ADJUSTED SO THAT THE COVER MAY BE SET FLUSH WITH THE FINISHED GRADE.
3. VALVE SHALL BE OF DUCTILE IRON WITH RUBBER ENCAPSULATED DISK. BODY BOLT SHALL BE STAINLESS STEEL OF SAME SIZE ON EACH VALVE.
4. ALL VALVES SHALL BE "MUELLER" OR APPROVED EQUAL.

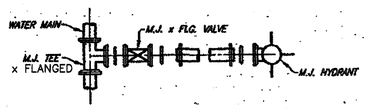


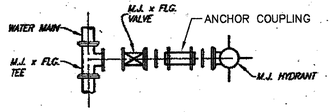
4 VALVE BOX DETAIL
N.T.S.

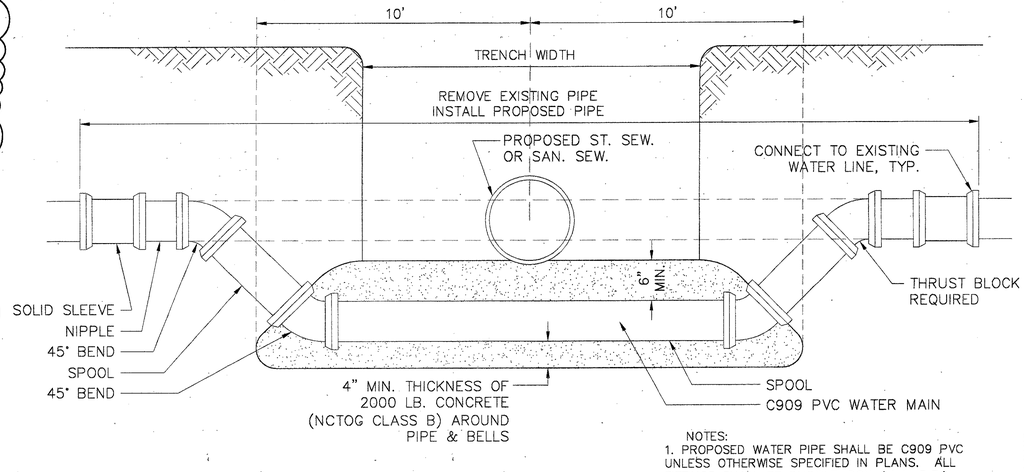
5 FIRE HYDRANT INSTALLATION
N.T.S.

FIRE HYDRANT NOTES:
1. THE MUELLER "CENTURIAN" OR EQUAL.
2. 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.





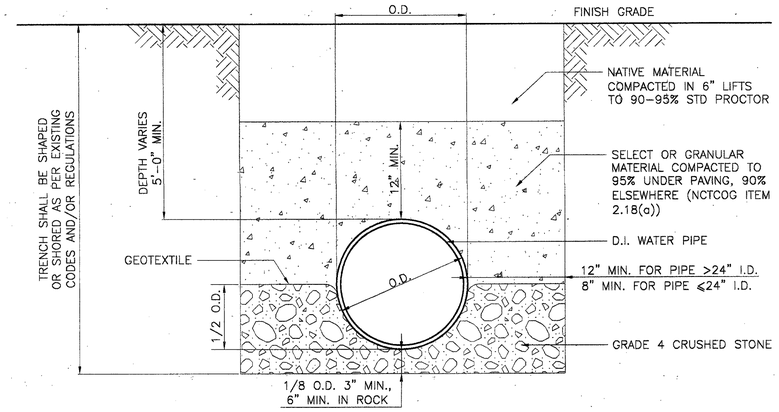




NOTES:
1. PROPOSED WATER PIPE SHALL BE C909 PVC UNLESS OTHERWISE SPECIFIED IN PLANS. ALL FITTINGS SHALL BE DUCTILE IRON (M.J.-P.E.).
2. PROPOSED PIPING & FITTINGS ARE SYMMETRIC ABOUT CENTER OF PROP. SAN. SEW. OR ST. SEW. PIPE AND SHALL RETAIN TEST PRESURES.

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

WATSEW-X.DWG



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

STRM-DR-TR.DWG

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS — STEPHEN E. HAMMEY — 57411 — LICENSED PROFESSIONAL ENGINEER — 9/1/02

Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

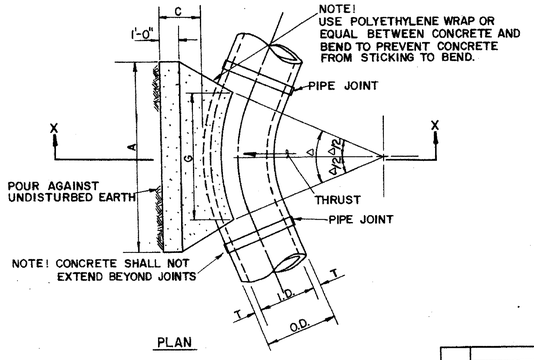
Drawing Title:

SITE DETAILS WATER

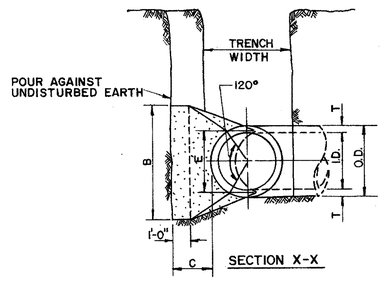
Project No. 14516.00 Scale: AS NOTED
Drawn By: SJM
Checked By: TC
Approved By: SEH
Date: September 30, 2002

Drawing No.

C8-4



PLAN



I.D. (IN.)	T IN.	C 11.25° FT.	C 22.50°+ FT.	E FT.
4,6,8	0.4	1.5	1.5	0.9
10,12	0.5	1.5	1.5	1.2
16,18	0.6	1.5	1.5	1.6
20	0.7	1.5	1.5	1.8
24	0.9	1.5	1.5	2.1
30	2.9	1.5	1.9	2.6
36	4.5	1.5	2.3	3.3
42	5.0	1.8	2.6	3.8
48	5.5	2.0	3.0	4.3
54	6.0	2.3	3.4	4.8
60	6.5	2.5	3.8	5.3
66	6.8	2.8	4.1	5.7
72	7.5	3.0	4.5	6.3
78	7.5	3.3	4.9	6.7
84	8.0	3.5	5.3	7.2
90	8.5	3.8	5.6	7.7
96	9.0	4.0	6.0	8.2

I.D. (IN.)	Δ = 11.25° G FT.	THRUST TONS	EARTH A FT.	EARTH B FT.	EARTH VOL. C.Y.	ROCK A FT.	ROCK B FT.	ROCK VOL. C.Y.
4,6,8	0.4	1.0	1.0	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
16,18	0.8	5.0	2.0	2.5	0.3	1.5	2.0	0.2
20	0.9	6.2	2.0	3.5	0.4	1.5	3.0	0.3
24	1.1	8.9	3.0	3.0	0.5	1.5	3.0	0.3
30	1.4	10.4	3.0	3.5	0.6	2.0	3.5	0.4
36	1.7	15.0	3.5	4.5	0.9	2.0	4.0	0.5
42	1.9	20.4	4.5	5.0	1.5	2.5	5.0	0.8
48	2.2	26.6	4.5	6.0	2.0	2.5	6.0	1.1
54	2.5	33.7	6.0	6.0	3.0	3.0	6.0	1.4
60	2.7	41.6	6.0	7.0	3.8	3.0	7.0	1.8
66	3.0	50.3	6.5	8.0	5.1	3.5	8.0	2.7
72	3.3	59.9	7.5	8.0	6.3	4.0	8.0	6.3
78	3.6	70.2	8.0	9.0	8.1	4.0	9.0	3.9
84	3.8	81.5	8.5	10.0	10.3	4.5	10.0	5.3
90	4.1	93.5	9.5	10.0	12.2	5.0	10.0	6.3
96	4.4	106.4	10.0	11.0	15.0	5.0	11.0	7.4

I.D. (IN.)	Δ = 22.50° G FT.	THRUST TONS	EARTH A FT.	EARTH B FT.	EARTH VOL. C.Y.	ROCK A FT.	ROCK B FT.	ROCK VOL. C.Y.
4,6,8	0.8	2.0	1.5	1.5	0.1	1.0	1.0	0.1
10,12	1.1	4.4	2.0	2.5	0.3	1.5	1.5	0.1
16,18	1.6	9.9	3.0	3.5	0.6	2.0	2.5	0.3
20	1.8	12.3	3.5	3.5	0.7	2.0	3.5	0.4
24	2.2	17.7	4.0	4.5	1.0	3.0	3.0	0.5
30	2.7	20.7	5.0	4.5	1.5	3.0	4.0	0.8
36	3.3	29.8	5.5	5.5	2.3	4.0	4.0	1.3
42	3.8	40.5	7.0	6.0	3.9	4.5	5.0	2.1
48	4.4	52.9	8.0	7.0	5.7	4.5	6.0	2.8
54	4.9	67.0	9.0	8.0	8.0	6.0	6.0	4.1
60	5.5	82.7	9.5	9.0	10.6	6.0	7.0	5.3
66	6.0	100.1	10.5	10.0	14.1	6.5	8.0	7.2
72	6.6	119.1	11.0	11.0	17.6	7.5	8.0	9.1
78	7.1	139.8	12.0	12.0	22.5	8.0	9.0	11.7
84	7.6	162.1	13.0	12.5	27.2	8.5	10.0	14.8
90	8.2	186.1	14.0	13.5	33.7	9.5	10.0	17.7
96	8.7	211.7	15.0	14.5	41.2	10.0	11.0	21.8

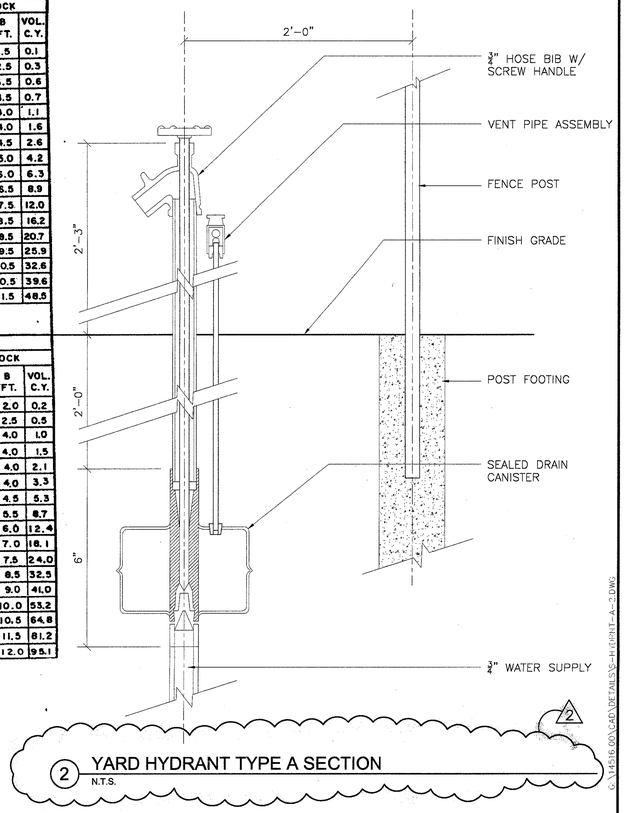
I.D. (IN.)	Δ = 30° G FT.	THRUST TONS	EARTH A FT.	EARTH B FT.	EARTH VOL. C.Y.	ROCK A FT.	ROCK B FT.	ROCK VOL. C.Y.
4,6,8	1.0	2.6	2.0	1.5	0.2	1.0	1.5	0.1
10,12	1.5	5.9	2.5	2.5	0.3	2.0	1.5	0.2
16,18	2.2	13.2	3.5	4.0	0.8	2.5	3.0	0.8
20	2.4	16.3	4.5	4.0	1.0	3.0	3.0	0.5
24	2.9	23.4	6.0	4.0	1.4	3.5	3.5	0.7
30	3.6	27.5	5.5	5.0	1.9	3.5	4.0	0.9
36	4.4	39.5	7.0	6.0	3.4	4.5	4.5	1.6
42	5.1	53.8	8.0	7.0	5.1	5.5	5.0	2.5
48	5.8	70.3	9.0	8.0	7.4	6.0	6.0	3.7
54	6.5	89.0	10.0	9.0	10.3	7.0	6.5	5.3
60	7.3	110.0	11.0	10.0	13.9	7.5	7.5	7.3
66	8.0	132.9	12.5	11.0	18.9	8.5	8.0	9.6
72	8.7	158.2	13.5	12.0	24.0	9.0	9.0	12.3
78	9.4	185.6	14.5	13.0	30.0	10.0	9.5	15.6
84	10.1	215.3	15.5	14.0	37.1	10.5	10.5	19.5
90	10.9	247.1	16.5	15.0	45.0	11.5	11.0	23.9
96	11.6	281.2	18.0	16.0	55.5	12.5	11.5	28.9

I.D. (IN.)	Δ = 45° G FT.	THRUST TONS	EARTH A FT.	EARTH B FT.	EARTH VOL. C.Y.	ROCK A FT.	ROCK B FT.	ROCK VOL. C.Y.
4,6,8	1.5	3.9	2.0	2.0	0.2	1.5	1.5	0.1
10,12	2.2	8.7	3.5	2.5	0.5	2.0	2.5	0.3
16,18	3.2	19.5	4.5	4.5	1.2	3.0	3.5	0.6
20	3.6	24.1	5.5	4.5	1.5	3.5	3.5	0.7
24	4.3	34.6	8.0	4.5	2.3	4.5	4.0	1.1
30	5.4	40.6	8.5	5.0	3.2	5.5	4.0	1.6
36	6.5	58.5	10.0	6.0	5.3	6.5	4.5	2.6
42	7.5	79.6	11.5	7.0	8.1	8.0	5.0	4.2
48	8.6	104.0	13.0	8.0	11.9	9.0	6.0	6.3
54	9.7	131.5	15.0	9.0	17.1	10.5	6.5	8.9
60	10.7	162.4	16.5	10.0	23.1	11.0	7.5	12.0
66	11.8	196.5	18.0	11.0	30.1	12.0	8.5	16.2
72	12.9	233.9	19.5	12.0	38.8	14.0	8.5	20.7
78	13.9	274.5	21.5	13.0	49.8	14.5	9.5	25.9
84	15.0	318.4	23.0	14.0	61.2	15.5	10.5	32.6
90	16.1	365.5	24.5	15.0	74.5	17.5	10.5	39.6
96	17.1	415.6	26.0	16.0	89.5	18.5	11.5	48.5

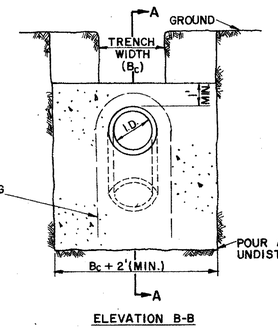
I.D. (IN.)	Δ = 67.50° G FT.	THRUST TONS	EARTH A FT.	EARTH B FT.	EARTH VOL. C.Y.	ROCK A FT.	ROCK B FT.	ROCK VOL. C.Y.
4,6,8	2.1	5.6	3.0	2.0	0.3	2.0	1.5	0.2
10,12	3.1	12.6	5.5	2.5	0.8	3.5	2.0	0.4
16,18	4.7	28.3	7.5	4.0	1.9	5.0	3.0	0.9
20	5.2	34.9	9.0	4.0	2.3	5.5	3.5	1.2
24	6.2	50.3	11.5	4.5	3.5	6.5	4.0	1.6
30	7.6	58.9	12.0	5.0	4.8	7.5	4.0	2.2
36	9.4	84.9	14.5	6.0	8.2	9.5	4.5	3.8
42	10.9	115.5	17.0	7.0	12.8	11.0	5.5	6.3
48	12.5	150.9	19.0	8.0	18.4	13.0	6.0	9.2
54	14.0	191.0	21.5	9.0	26.0	15.0	6.5	12.9
60	15.6	235.8	24.0	10.0	35.6	16.0	7.5	17.6
66	17.1	285.3	26.0	11.0	46.0	18.0	8.0	23.0
72	18.7	339.5	28.5	12.0	57.8	19.0	9.0	28.4
78	20.2	398.5	31.0	13.0	75.7	21.0	9.5	37.4
84	21.8	462.1	33.5	14.0	94.7	22.0	10.5	46.5
90	23.3	530.5	35.5	15.0	114.4	24.5	11.0	58.2
96	24.9	603.6	38.0	16.0	138.9	25.5	12.0	70.0

I.D. (IN.)	Δ = 90° G FT.	THRUST TONS	EARTH A FT.	EARTH B FT.	EARTH VOL. C.Y.	ROCK A FT.	ROCK B FT.	ROCK VOL. C.Y.
4,6,8	2.7	7.1	5.0	1.5	0.4	2.0	2.0	0.2
10,12	4.0	16.0	6.5	2.5	1.0	3.5	2.5	0.5
16,18	6.0	36.0	8.0	4.0	2.4	4.5	4.0	1.0
20	6.6	44.4	10.0	4.5	3.1	6.0	4.0	1.5
24	7.9	64.0	14.5	4.5	5.0	8.0	4.0	2.1
30	9.9	75.0	15.0	5.0	6.7	10.0	4.0	3.3
36	11.9	108.0	18.0	6.0	11.4	12.0	4.5	5.3
42	13.9	147.0	21.0	7.0	17.8	14.0	5.5	8.7
48	15.9	192.0	24.0	8.0	26.2	16.0	6.0	12.4
54	17.9	243.0	27.0	9.0	36.9	18.0	7.0	18.1
60	19.9	299.8	30.0	10.0	50.3	20.0	7.5	24.0
66	21.8	362.8	33.0	11.0	66.2	22.0	8.5	32.5
72	23.8	431.8	36.0	12.0	85.6	24.0	9.0	41.0
78	25.7	506.7	39.0	13.0	108.2	26.0	10.0	53.2
84	27.7	587.7	42.0	14.0	134.4	28.0	10.5	64.8
90	29.0	674.6	45.0	15.0	164.9	30.0	11.5	81.2
96	31.6	767.5	48.0	16.0	199.0	32.0	12.0	95.1

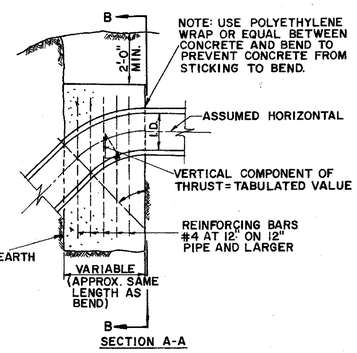
HORIZONTAL BEND THRUST BLOCK



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



ELEVATION B-B



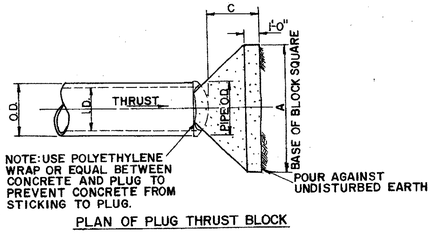
SECTION A-A

Δ	11.25° THRUST TONS	11.25° VOL. C.Y.	22.50° THRUST TONS	22.50° VOL. C.Y.	30° THRUST TONS	30° VOL. C.Y.	45° THRUST TONS	45° VOL. C.Y.	67.50° THRUST TONS	67.50° VOL. C.Y.	90° THRUST TONS	90° VOL. C.Y.	Δ I.D. (IN.)
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

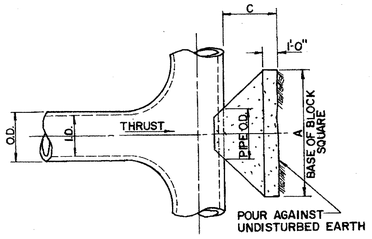
GENERAL NOTES- FOR ALL THRUST BLOCKS

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



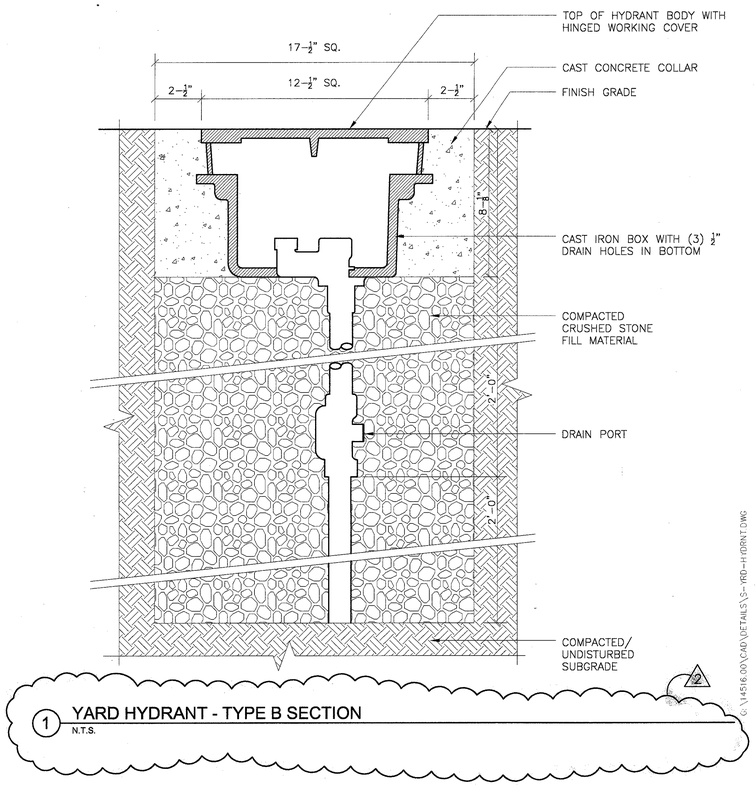
PLAN OF PLUG THRUST BLOCK



PLAN OF TEE THRUST BLOCK

I.D. (IN.)	THRUST TONS	C FT.	EARTH A FT.	EARTH VOL. C.Y.	ROCK A FT.	ROCK VOL. C.Y.
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	8.7
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	7.5	17.5	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



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

SASAKI
Interdisciplinary Design
64 Pleasant Street, Watertown, Massachusetts 02472 USA
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No.	Description	Date
2	BULLETIN #1	12-30-02
	ISSUED FOR CONSTRUCTION	11-26-02
1	ADDENDUM #2	10-21-02
	ISSUED FOR CONSTRUCTION	09-30-02

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS
STEPHEN E. HAMMEY
57411
LICENSED PROFESSIONAL ENGINEER

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

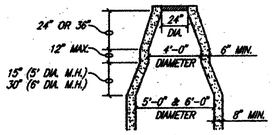
Drawing No.

C8-5

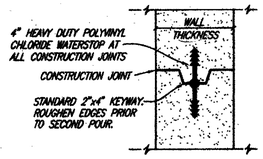
G:\14516.00\CAD\DETAILS\S-YRD-HYDRNT.DWG

SANITARY SEWER NOTES:

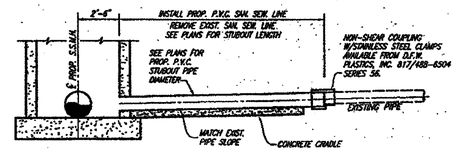
1. PIPE 6 INCHES THROUGH 15 INCHES SHALL BE IN ACCORDANCE WITH ASTM D3034 WITH A MINIMUM SDR 35 OR ASTM D3350 AND DE 345434 C.
2. MANHOLES SHALL BE CAST IN PLACE. ALL MANHOLES SHALL BE WATER TIGHT. ALL RINGS AND COVERS SHALL INCLUDE AN INTERAL CHIMNEY SEAL.
3. ALL PIPE OPENINGS IN MANHOLES SHALL INCLUDES COUPLINGS WITH "O" RING RIBBER GASKETS
4. STUBOUTS OUT OF MANHOLES SHALL BE FITTED WITH A STOPPER AND CAP. STUBOUTS SHALL BE A MINIMUM OF 5 FEET FROM MANHOLE AND BE SUPPORTED BY A CONCRETE CRADLE.
5. ALL DROP MANHOLES SHALL BE OF THE EXTERNAL TYPE.
6. MANHOLES SHALL BE VENTED IN ACCORDANCE WITH TNRCC REQUIREMENTS.
7. ALL SANITARY SEWER PIPE SHALL BE TESTED (NCTCOG ITEM 6.7.2.) AFTER CONSTRUCTION. TESTING SHALL INCLUDE PRESSURE TESTING, MANDREL TEST (TNRCC 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.
8. MANHOLES SHALL BE VACUUM TESTED IN THE PRESENCE OF THE CITY REPRESENTATIVE.
9. 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

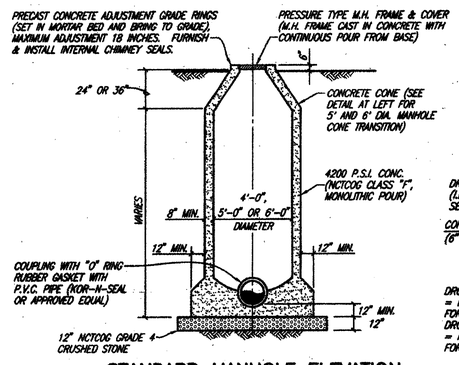


MANHOLE CONSTRUCTION JOINT
KEYWAY WITH WATERSTOP

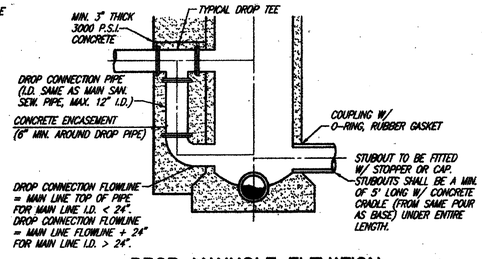


TYPICAL STUBOUT CONNECTION
NO SCALE

NOTE:
MATCH SOFFITS UPSTREAM OF MANHOLE
MATCH FLOW LINES DOWNSTREAM OF MANHOLE

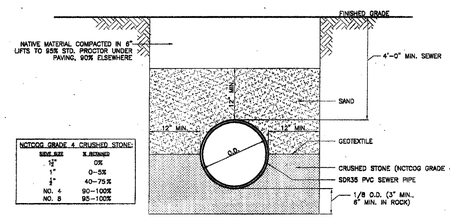


STANDARD MANHOLE ELEVATION
4', 5' & 6' DIAMETER MANHOLES



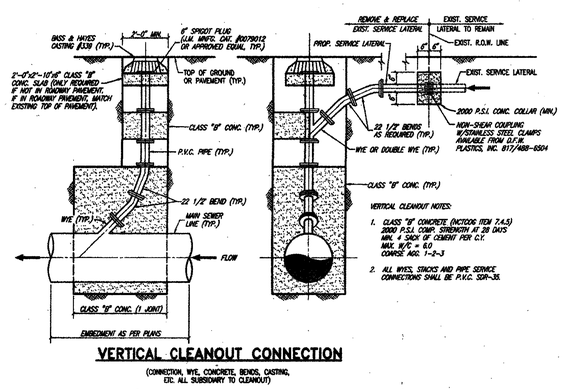
DROP MANHOLE ELEVATION
4', 5' & 6' DIAMETER MANHOLES

(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

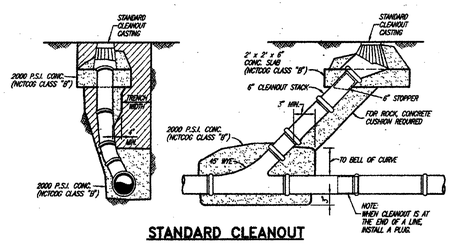


① SEWER TRENCH (CLASS H EMBEDMENT FOR PVC PIPE)
NTS

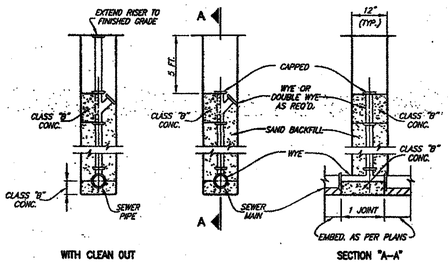
SEWER-TR.Dwg



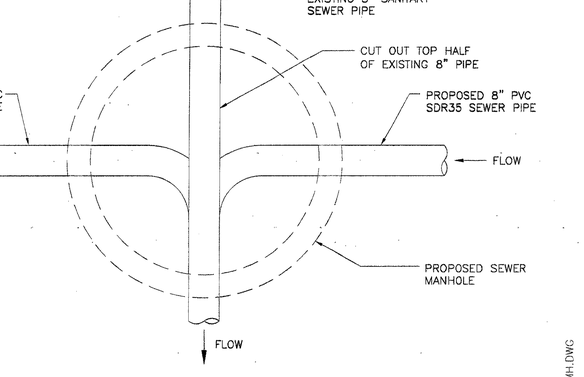
VERTICAL CLEANOUT CONNECTION
(CONNECTION, WYE, CONCRETE, BENDS, CASTING, ETC. ALL SUBSIDIARY TO CLEANOUT)



STANDARD CLEANOUT
NO SCALE

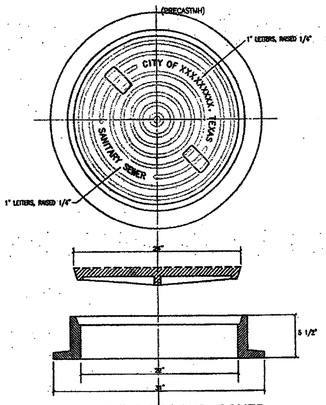


DEEP CUT CLEANOUT



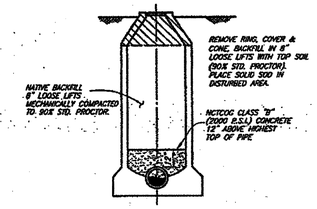
③ SANITARY SEWER MANHOLE OVER EXISTING SEWER PIPE
NTS

SSMH.DWG

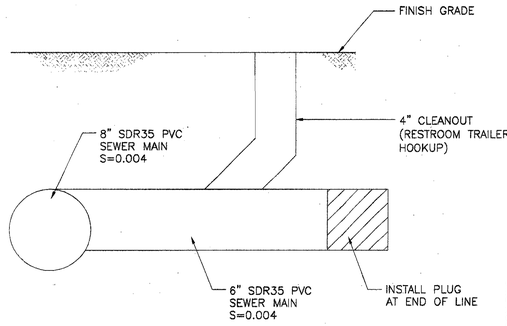


MANHOLE RING AND COVER
WITH LOCKING DEVICE & PICK SLOTS

BASS AND WYSES FOUNDRY, INC. TRAFFIC BEARING MANHOLE #20-24 NON TRAFFIC BEARING MANHOLES 300-24



⑤ MANHOLE ABANDONMENT
OUTSIDE PAVEMENT AREA
(MHABAN)



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

SAN-CON.DWG

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS
STEPHEN E. HAMWEY
57411
LICENSED LANDSCAPE ARCHITECT
9/30/02

Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

Drawing Title:

SITE DETAILS SANITARY SEWER

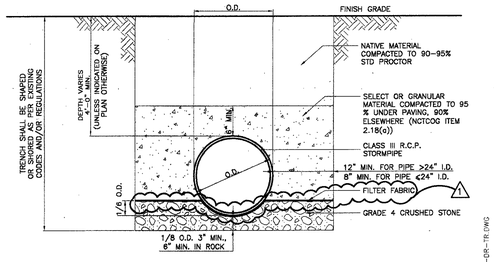
Project No. 14516.00 Scale: AS NOTED
Drawn By: SJM
Checked By: TC
Approved By: SEH
Date: September 30, 2002

Drawing No.

C8-6

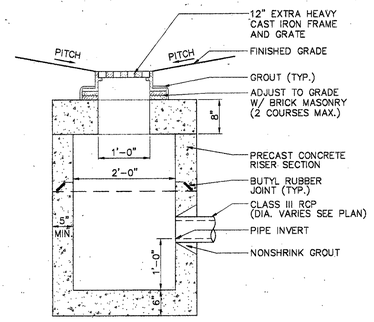
STORM SEWER NOTES:

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. (1)
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.

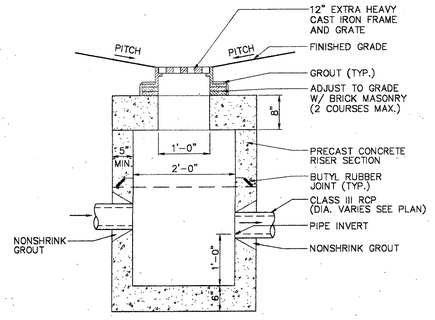


(1) STORM DRAIN TRENCH (CLASS C EMBEDMENT FOR RCP PIPE)
NTS

STRM-DR-TR.DWG



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



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

AREADRN-TYPEA

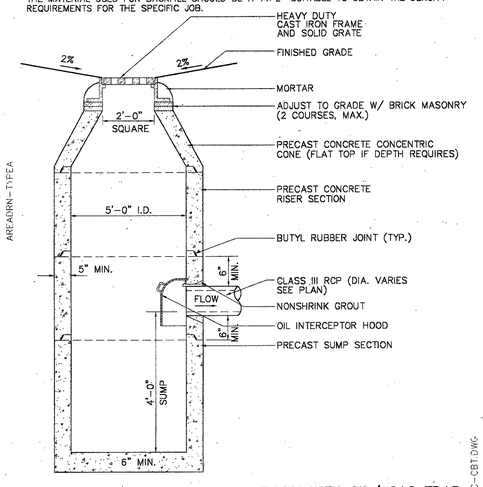
AREADRN-TYPEB

NOTES:

THE FLOOR EXCAVATION FOR CATCH BASIN, AREA DRAIN & DMH MUST PROVIDE A FIRM, LEVEL BED FOR THE BASE SECTION TO REST UPON.

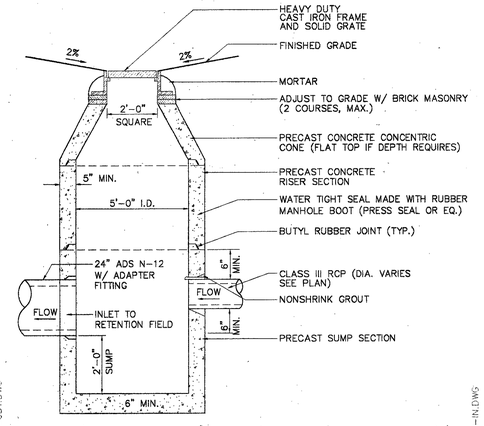
A MINIMUM OF 6 INCHES OF 1" DIAMETER (MAXIMUM) ROCK OR GRAVEL SHALL BE USED TO PREPARE THE BEDDING TO FINAL GRADE OR LIEU OF THIS. AT LEAST 6 INCHES OF 2-SACK CEMENT STABILIZED SAND SHALL BE USED TO PREPARE THE BEDDING TO GRADE. CEMENT STABILIZED-SAND SHALL BE ALLOWED TO SET BY KEEPING HOLE PUMPED DRY.

AFTER CASIN HAS BEEN INSTALLED ON THE PREPARE 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.



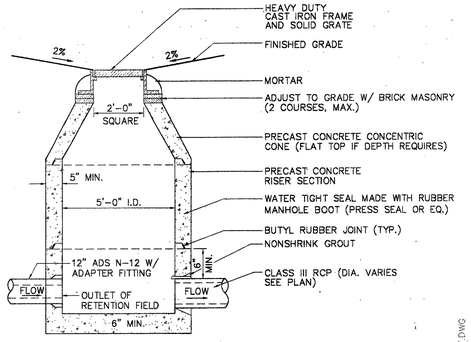
(4) PRECAST CONCRETE CATCH BASIN WITH OIL/ GAS TRAP
SCALE: NTS

PCC-CBT.DWG



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

PDM-IN.DWG



PDM-OUT.DWG

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

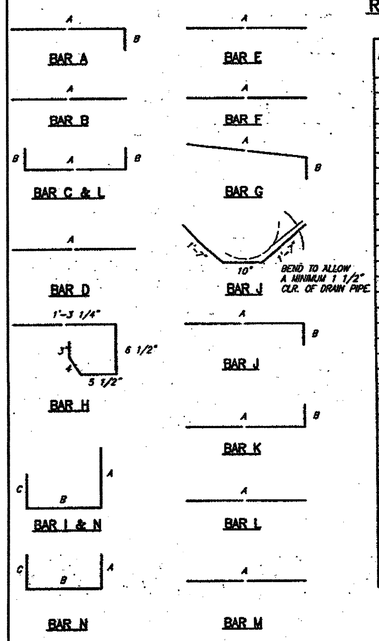
REINFORCING STEEL SCHEDULE

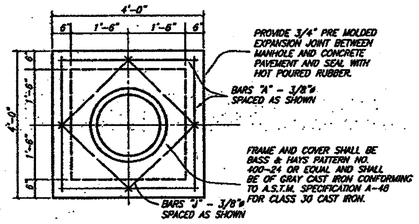
DIMENSIONS SHOWN ARE FOR MAXIMUM SIZE INLETS

INLET LENGTH	BAR TYPE	BAR DIA. (1/8 IN.)	NO. REQ'D	BAR DIMENSIONS A	B	C
4	A	3	6	3'-2"	0'-3"	–
	B	3	1	2'-10"	–	–
	C	4	15	4'-8"	0'-6"	–
	D	4	5	4'-8"	–	–
	F	4	1	3'-2"	–	–
	G	3	5	2'-0"	1'-3"	–
	H	3	6	*	*	*
	N	3	3	3'-2"	3'-2"	3'-2"
6	A	3	9	3'-2"	0'-3"	–
	B	3	1	4'-10"	–	–
	C	4	15	6'-8"	0'-6"	–
	D	4	5	4'-8"	–	–
	F	4	1	3'-2"	–	–
	G	3	5	2'-0"	1'-3"	–
	H	3	9	*	*	*
	N	3	3	3'-2"	3'-2"	3'-2"
8	A	3	12	3'-2"	0'-3"	–
	B	4	1	6'-10"	–	–
	C	4	15	8'-8"	0'-6"	–
	D	4	5	4'-8"	–	–
	F	4	1	3'-2"	–	–
	G	3	5	2'-0"	1'-3"	–
	H	3	12	*	*	*
	N	3	3	3'-2"	3'-2"	3'-2"
10	A	3	13	3'-2"	0'-3"	–
	B	3	2	8'-10"	–	–
	C	4	16	10'-8"	0'-6"	–
	D	4	4	4'-8"	–	–
	E	5	6	10'-8"	–	–
	G	3	5	2'-0"	1'-3"	–
	H	3	14	*	*	*
	I	4	8	4'-8"	3'-2"	3'-2"
	L	4	5	4'-3"	–	–

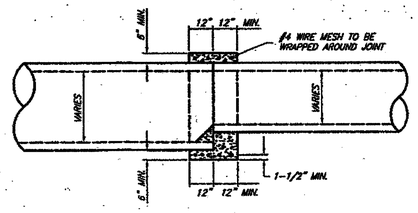
* SEE DIAGRAM FOR DIMENSIONS. 4', 6', 8' AND 10' INLETS

BAR DIAGRAMS

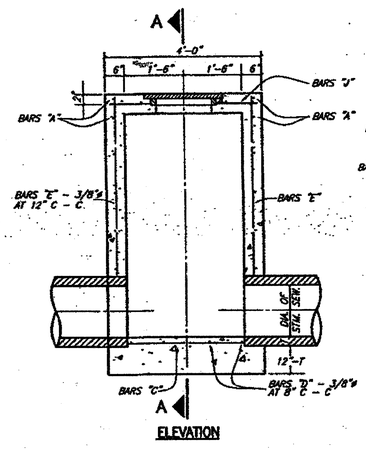




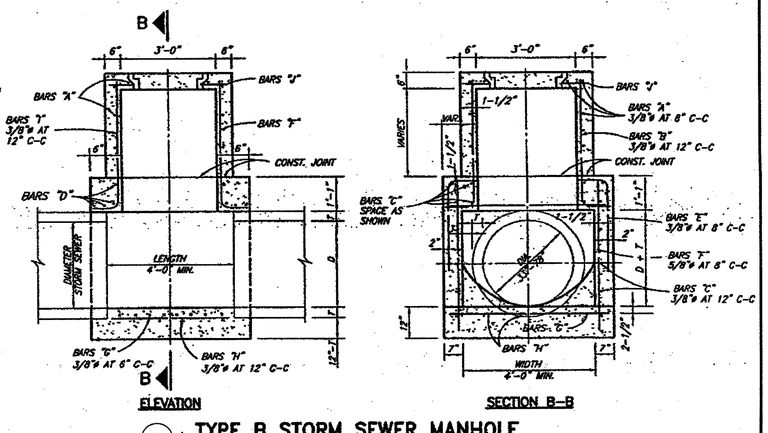
TOP PLAN
TYPE A & TYPE B
STORM SEWER MANHOLE



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"

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS
STEPHEN E. HAMWEY
57911
LICENSED PROFESSIONAL ENGINEER
10/21/02

Project Title:

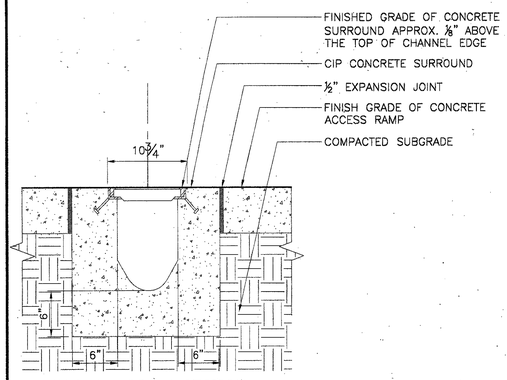
ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

Drawing Title:

SITE DETAILS DRAINAGE

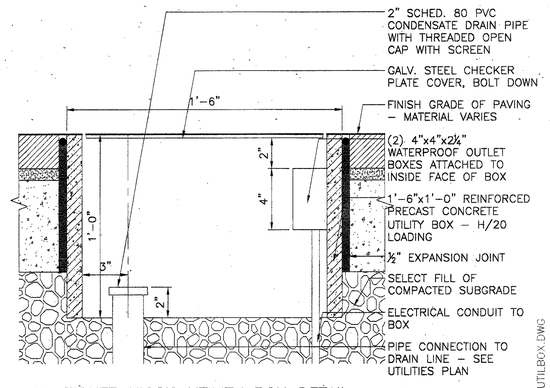
Project No. 14516.00 Scale: AS NOTED
Drawn By: SJM
Checked By: TC
Approved By: SEH
Date: September 30, 2002

Drawing No. C8-7



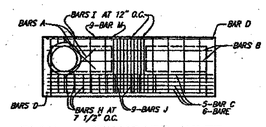
5 TRENCH DRAIN SECTION
SCALE: 1 1/2" = 1'-0"

S-TRENCH.DWG



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

S-UTILBOX.DWG

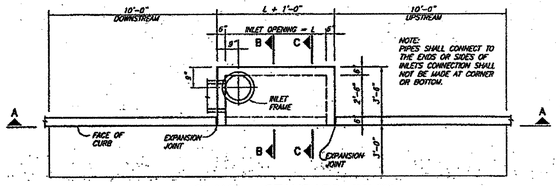


PLAN – STANDARD INLET

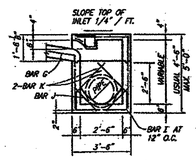
REINFORCING STEEL SCHEDULE

DIMENSIONS SHOWN ARE FOR MAXIMUM SIZE INLETS

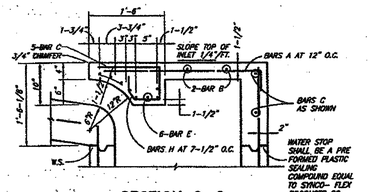
6'	A	3	9	3'-2"	0'-3"	–
	B	3	1	4'-10"	–	–
	C	4	15	6'-8"	0'-6"	–
	D	4	5	4'-8"	–	–
	F	4	1	3'-2"	–	–
	G	3	5	2'-0"	1'-3"	–
	H	3	9	"	"	"
	N	3	3	3'-2"	3'-2"	3'-2"



1 PLAN – STANDARD INLET
6 FOOT INLETS



SECTION B–B



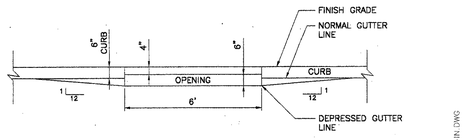
SECTION C–C

NOTES:

THE FLOOR OF THE EXCAVATION FOR INLET BOX MUST PROVIDE A FIRM, LEVEL BED FOR THE BASE SECTION TO REST UPON.

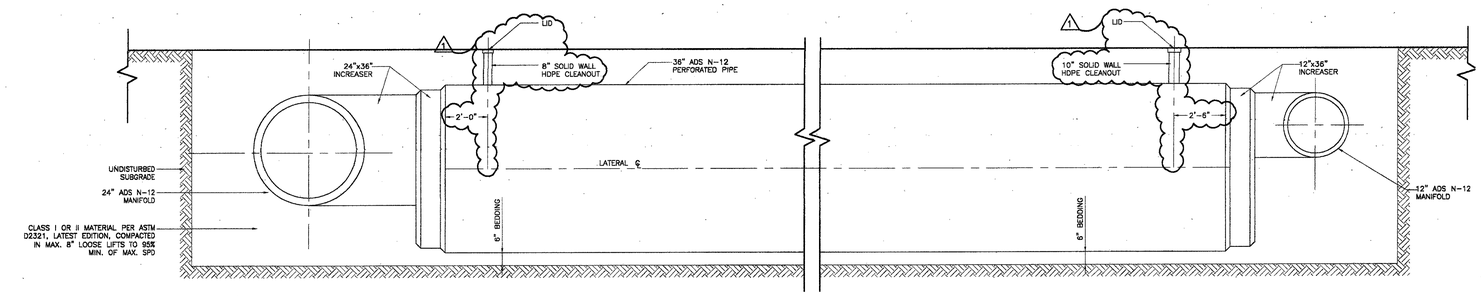
A MINIMUM OF 6 INCHES OF 1" DIAMETER (MAXIMUM) ROCK OR GRAVEL SHALL BE USED TO PREPARE THE BEDDING TO FINAL GRADE OR LIE) OF THIS, AT LEAST 6 INCHES OF 2-SACK CEMENT STABILIZED SAND SHALL BE USED TO PREPARE THE BEDDING TO GRADE. CEMENT STABILIZED-SAND SHALL BE ALLOWED TO SET BY KEEPING HOLE PUMPED DRY.

AFTER CASING HAS BEEN INSTALLED ON THE PROPER 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.

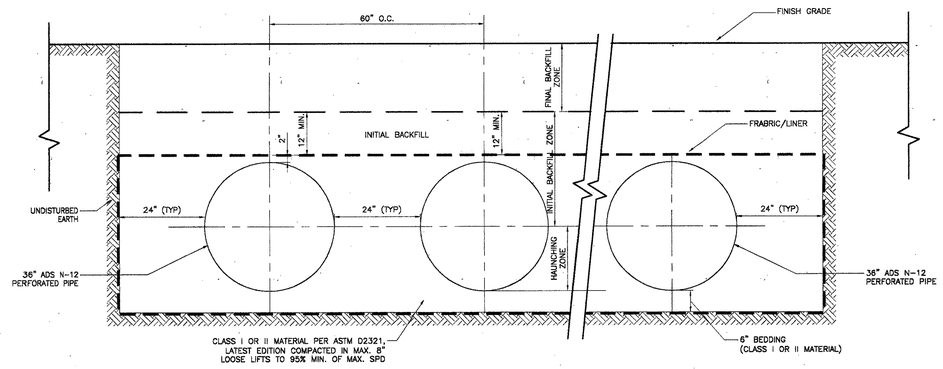


SECTION A–A
SCALE: N.T.S

CURB-IN.DWG



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



4 CROSS SECTION A–A OF RETENTION FIELD
NTS

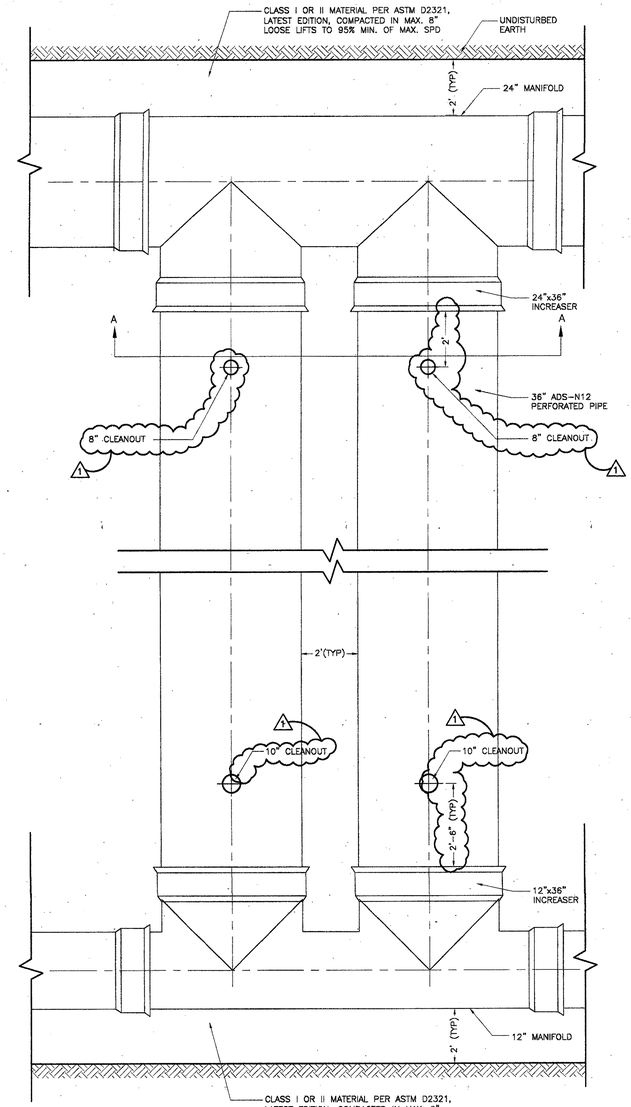
INFIL-SYS.DWG

INSTALLATION:

1. 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).
2. CLASS II MATERIAL: (GW, GP, SW, SP, GW-GC, SP-SM) CLEAN, COARSE GRAINED MATERIALS, SUCH AS GRAVEL, COARSE SANDS AND GRAVEL/SAND MIXTURES (1 1/2 INCHES MAXIMUM SIZE). (AASHTO CLASSIFICATIONS A1 & A3).
3. A STABLE FOUNDATION MUST BE PROVIDED TO INSURE PROPER LINE AND GRADE IS MAINTAINED.
4. 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.
5. HAUNCHING MATERIALS MAY BE CLASS I OR II AND MUST BE PLACED AND COMPACTED IN 8 INCHES MAXIMUM LIFTS, COMPACTED TO 90% STANDARD PROCTOR DENSITY. EMBEDMENT MATERIALS SHALL BE WORKED UNDER THE HAUNCHES BY HAND.
6. 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 8 INCHES LIFTS TO 90% STANDARD PROCTOR DENSITY.
7. 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. COMPACTION SHALL BE PERFORMED AT OPTIMUM MOISTURE CONTENT.

MAINTENANCE:

1. 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.
2. 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 THEN GRASS CLIPPINGS, LEAVES, AND TRASH SHOULD BE REMOVED.
3. AFTER CONSRTUCTION, FIELD SHOULD BE INSPECTED AFTER 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" CLEAN OUT PORT) SHOULD BE RECORDED OVER SEVERAL DAYS TO CHECK FIELD DRAINAGE.
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.
5. 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.
6. 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.



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

RETEN-FLD.DWG

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS
STEPHEN E. HAMMEY
57411
REGISTERED LANDSCAPE ARCHITECT
10/21/02

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
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	.	15"RCP 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
10286	12598.1891	10070.6188	.	DRINKING FOUNTAIN
10287	12592.9056	10170.1608	.	YARD HYDRANT A
10288	12424.9570	10191.5545	.	YARD HYDRANT A
10289	12432.4677	10232.3132	.	8"X2"W CONNECTION
10290	12334.0437	10141.9383	.	DRINKING FOUNTAIN
10291	12337.9232	10225.0691	.	YARD HYDRANT A
10292	12255.8061	10213.9258	.	YARD HYDRANT A
10293	12451.5195	9897.7559	.	YARD HYDRANT B
10294	12454.3084	9881.0049	.	YARD HYDRANT B
10295	12446.1791	9895.4585	.	YARD HYDRANT B
10296	12440.8387	9893.1610	.	YARD HYDRANT B
10297	12441.7592	9899.0313	.	2"WATER PIPE
10298	12451.5894	9865.9591	.	2"WATER PIPE
10299	12442.4625	9802.3035	.	2"WATER PIPE
10300	12380.8830	9781.7665	.	2"WATER PIPE/EX. W. VALVE
10301	12572.5190	10832.1341	.	BENCH
10302	12555.2217	10842.1742	.	BENCH
10303	12568.2000	10846.5613	.	LIGHT
10304	12534.6799	10715.1511	.	COR. OF UNDERGROUND VAULT
10305	12520.8421	10723.1831	.	COR. OF UNDERGROUND VAULT
10306	12536.9061	10750.8588	.	COR. OF UNDERGROUND VAULT
10307	12550.7440	10742.8268	.	COR. OF UNDERGROUND VAULT
10308	12379.4524	10738.3209	.	8" WATER
10309	12366.6190	10715.9941	.	8" WATER
10310	12310.3400	10672.6377	.	8"x8" TEE
10311	12180.5709	9850.8760	.	8" WATER
10312	12153.7763	9854.3536	.	12"X8"TEE
10313	12250.2330	9907.6494	.	UNDERGROUND ELEC.ROOM
10314	12269.0071	9918.3050	.	UNDERGROUND ELEC.ROOM
10315	12252.9423	9945.9803	.	UNDERGROUND ELEC.ROOM
10316	12234.0405	9935.0083	.	UNDERGROUND ELEC.ROOM
10317	12231.0150	10822.0883	.	4"GAS MAIN
10318	12098.3214	9800.4044	.	4" GAS MAIN
10319	11777.5991	10253.8017	.	8"WATER
10320	11773.9415	10225.5883	.	8"WATER
10321	11923.6277	10268.5259	.	FIRE HYDRANT
10322	12263.8461	10702.4069	.	12"x8"TEE
10323	12293.0192	10695.1210	.	METER VAULT
10324	12300.9529	10684.8227	.	METER VAULT
10325	12302.1735	10683.2383	.	BFP VAULT
10326	12307.0069	10676.9642	.	BFP VAULT
10327	12155.3051	9866.1328	.	12"x8"TEE
10328	12181.1152	9855.0720	.	METER VAULT
10329	12182.7873	9867.9640	.	METER VAULT
10330	12183.0445	9869.9474	.	BFP VAULT
10331	12184.0632	9877.8016	.	BFP VAULT
10332	12207.8155	10679.3788	.	YARD HYDRANT A

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS
STEPHEN E. HAMMEY
57411
LICENSED
PROFESSIONAL ENGINEER

Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

Drawing Title:

LAYOUT COORDINATE SYSTEM REFERENCE PLAN

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

Drawing No.

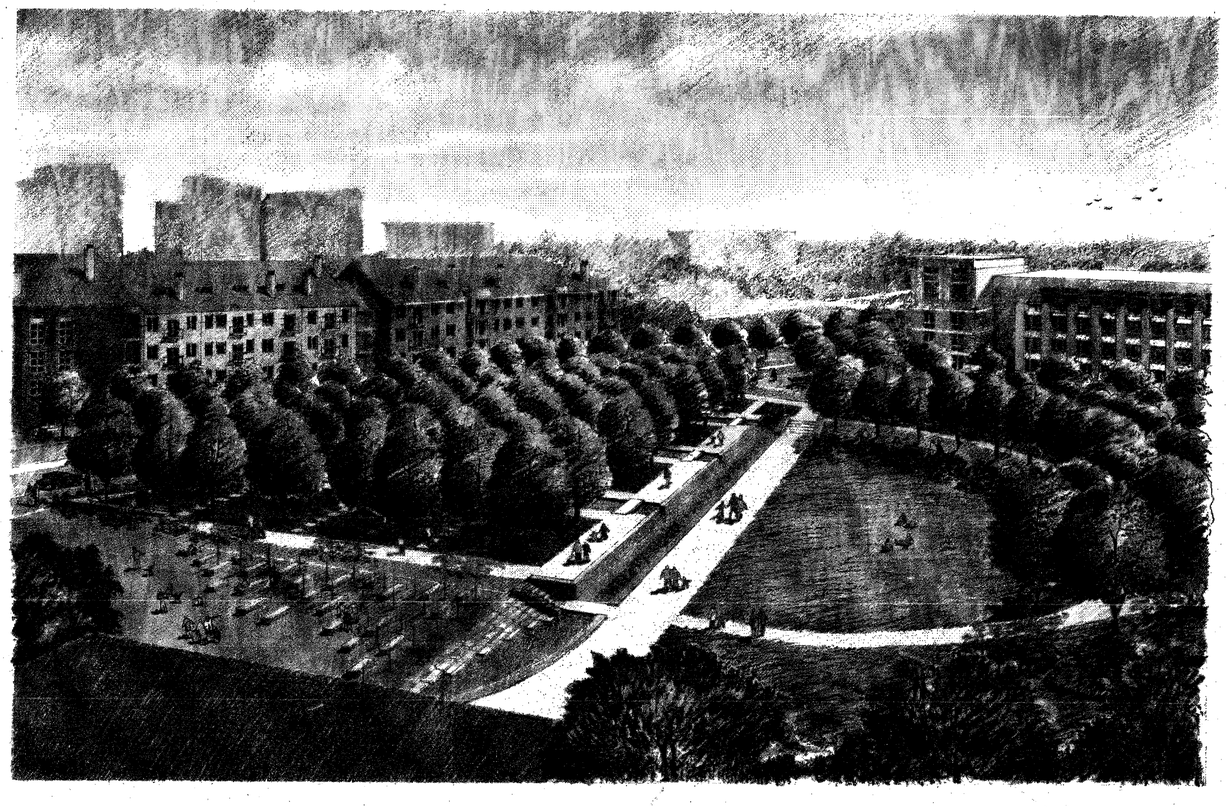
C8-9

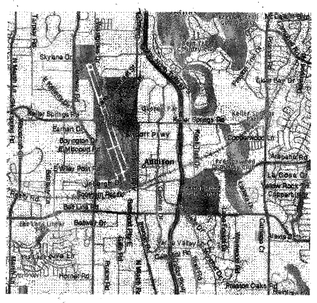
ARTS AND EVENTS DISTRICT

ADDISON, TEXAS

ISSUED FOR CONSTRUCTION

SEPTEMBER 30, 2002





LOCUS PLAN

SASAKI
Interdisciplinary Design

LANDSCAPE ARCHITECTURE
CIVIL ENGINEERING
64 PLEASANT ST
WATERTOWN, MA 02472
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CAMPOS ENGINEERING, INC.
7430 GREENVILLE AVENUE
DALLAS, TX 75231
t 214-696-6291
f 214-361-6298

FOUNTAIN ENGINEERING:
GEORGIA FOUNTAIN CO.
2513 ROYAL PLACE
TUCKER, GA 30084
t 770-934-3297
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IRRIGATION ENGINEERING:
IRRITECH CORPORATION
12650 SCHROEDER ROAD
DALLAS, TX 75243
t 972-231-5151
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SPECIFICATIONS CONSULTANT:
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SHREWSBURY, MA 01545
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DAVE'S UPDATED SET
Original Const. 9/30/02
Addendum 2 - 10/21/02
Bulletin 1 - 12/30/02

PREPARED FOR:

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

ELECTRICAL ABBREVIATIONS

(ALL ABBREVIATIONS MAY NOT APPEAR ON DRAWINGS.)

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

ELECTRICAL SYMBOLS LIST

(ALL SYMBOLS MAY NOT APPEAR ON DRAWINGS.)

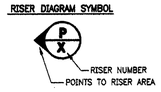
- CEILING-MOUNTED RECESSED, SURFACE OR SUSPENDED LIGHT FIXTURE.
- CEILING-MOUNTED RECESSED, SURFACE OR SUSPENDED EMERGENCY LIGHT FIXTURE.
- WALL-MOUNTED RECESSED OR SURFACE LIGHT FIXTURE.
- CEILING-MOUNTED RECESSED, SURFACE OR SUSPENDED INDIVIDUAL LIGHT FIXTURE.
- CEILING-MOUNTED RECESSED, SURFACE OR SUSPENDED INDIVIDUAL EMERGENCY LIGHT FIXTURE.
- CEILING-MOUNTED RECESSED, SURFACE OR SUSPENDED INDIVIDUAL LIGHT FIXTURE.
- CEILING-MOUNTED RECESSED, SURFACE OR SUSPENDED INDIVIDUAL EMERGENCY LIGHT FIXTURE.
- CEILING-MOUNTED RECESSED, SURFACE OR SUSPENDED INDIVIDUAL LIGHT FIXTURE.
- CEILING-MOUNTED RECESSED, SURFACE OR SUSPENDED INDIVIDUAL EMERGENCY LIGHT FIXTURE.
- CEILING-MOUNTED RECESSED, SURFACE OR SUSPENDED CONTINUOUS-ROW LIGHT FIXTURE.
- CEILING-MOUNTED SURFACE OR SUSPENDED FLUORESCENT STRIP.
- CEILING-MOUNTED SURFACE OR SUSPENDED FLUORESCENT STRIP ON EMERGENCY.
- WALL WASH DOWNLIGHT; UNSHADED HALF INDICATES ILLUMINATION DIRECTION.
- POLE MOUNTED FLOODLIGHTS (2 LUMINAIRS SHOWN)
- CEILING-MOUNTED SURFACE OR SUSPENDED SINGLE-FACE EXIT SIGN WITH DIRECTIONAL ARROW AS INDICATED; SHADED QUADRANT INDICATES FACE OF SIGN.
- CEILING-MOUNTED SURFACE OR SUSPENDED DOUBLE-FACE EXIT SIGN WITH DIRECTIONAL ARROWS AS INDICATED; SHADED QUADRANT INDICATES FACES OF SIGN.
- WALL-MOUNTED EXIT SIGN WITH DIRECTIONAL ARROW(S) AS INDICATED; SHADED QUADRANT(S) INDICATE FACE(S) OF SIGN.
- EMERGENCY LIGHT FIXTURE
- JUNCTION BOX
- SINGLE RECEPTACLE; NEMA 5-20R AT 18" ABOVE FINISHED FLOOR UNO.
- DUPLEX RECEPTACLE; NEMA 5-20R AT 18" ABOVE FINISHED GRADE OR FLOOR UNO.
- QUADRAPLEX RECEPTACLE; NEMA 5-20R AT 18" ABOVE FINISHED GRADE OR FLOOR UNO.
- WP — RECEPTACLE W/WEATHERPROOF COVERPLATE; DUPLEX NEMA 5-20R 18" ABOVE FINISHED GRADE OR FLOOR UNO.
- GFI — GROUND-FAULT CIRCUIT INTERRUPTER RECEPTACLE; DUPLEX NEMA 5-20R 18" ABOVE FINISHED GRADE OR FLOOR UNO.
- IG — ISOLATED GROUND RECEPTACLE; DUPLEX NEMA 5-20R AT 18" ABOVE FINISHED FLOOR UNO
- n — RECEPTACLE MOUNTED n INCHES ABOVE FINISHED FLOOR OR GRADE; NEMA 5-20R UNO
- B — SPECIAL-PURPOSE RECEPTACLE; SEE SPECIAL-PURPOSE RECEPTACLE, CONNECTION AND FLOOR BOX SCHEDULE ON DRAWING.
- B — HARDWIRE CONNECTION OR PROVISION FOR CONNECTION; SEE SPECIAL-PURPOSE RECEPTACLE, CONNECTION AND FLOOR BOX SCHEDULE ON DRAWING.
- MULTIOUTLET ASSEMBLY
- FLOOR-MOUNTED SINGLE RECEPTACLE; NEMA 5-20R UNO.
- FLOOR-MOUNTED DUPLEX RECEPTACLE; NEMA 5-20R UNO.
- B — FLOOR-MOUNTED SERVICE BOX; SEE SPECIAL PURPOSE RECEPTACLE, CONNECTION AND FLOOR BOX SCHEDULE ON DRAWING.
- DATA SYSTEM JACK; SINGLE GANG BOX AT 18" AFF WITH 1" CONDUIT TO ABOVE NEAREST ACCESSIBLE CEILING; SUBSCRIPTED NUMBER MOUNTING HEIGHT AFF
- TELEPHONE SYSTEM VOICE JACK; SINGLE GANG BOX AT 18" AFF WITH ¾" CONDUIT TO ABOVE NEAREST ACCESSIBLE CEILING; SUBSCRIPTED NUMBER INDICATES MOUNTING HEIGHT AFF UNLESS OTHERWISE INDICATED
- COMBINATION VOICE AND DATA JACK; 2-GANG BOX AT 18" AFF WITH ¾" AND 1" CONDUITS TO ABOVE NEAREST ACCESSIBLE CEILING; SUBSCRIPTED NUMBER INDICATES MOUNTING HEIGHT AFF
- FO — DATA SYSTEM FIBER OPTIC JACK; SINGLE GANG BOX AT 18" AFF WITH 1" CONDUIT TO ABOVE NEAREST ACCESSIBLE CEILING; SUBSCRIPTED NUMBER MOUNTING HEIGHT AFF

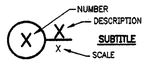
- $ — SINGLE-POLE SWITCH AT 48" ABOVE FINISHED FLOOR UNO.
- $2 — TWO-POLE SWITCH AT 48" ABOVE FINISHED FLOOR UNO.
- $3 — THREE-WAY SWITCH AT 48" ABOVE FINISHED FLOOR UNO.
- $4 — FOUR-WAY SWITCH AT 48" ABOVE FINISHED FLOOR UNO.
- $K — KEY-OPERATED SWITCH AT 48" ABOVE FINISHED FLOOR UNO.
- $P — SINGLE-POLE SWITCH AND PILOT LIGHT AT 48" ABOVE FINISHED FLOOR UNO.
- $T — TIME SWITCH AT 48" ABOVE FINISHED FLOOR UNO.
- $WP — SINGLE-POLE SWITCH WITH WEATHERPROOF COVERPLATE AT 48" ABOVE FINISHED GRADE OR FLOOR UNO
- $M — SINGLE-POLE MOTOR THERMAL OVERLOAD SWITCH
- (2) — NURSE CALL SYSTEM DEVICE; SEE NURSE CALL SYSTEM DEVICE SCHEDULE ON DRAWINGS.
- PA — PAGING SYSTEM DEVICE; SEE PAGING SYSTEM DEVICE SCHEDULE ON DRAWINGS.
- F — FIRE ALARM SYSTEM MANUAL PULL STATION AT 48" ABOVE FINISHED FLOOR UNO.
- S — FIRE ALARM SYSTEM SMOKE DETECTOR; SUBSCRIPTED D INDICATES DUCT MOUNTING AND SUBSCRIPTED U INDICATES UNDER FLOOR MOUNTING.
- H — FIRE ALARM SYSTEM HEAT DETECTOR
- F — FIRE ALARM SYSTEM STROBE LIGHT AT 80" AFF OR 6" BFC, WHICHEVER IS LOWER; SUBSCRIPTED 1 INDICATES 110 CANDELA INTENSITY.
- FIRE ALARM SYSTEM HORN AT 90" AFF OR 6" BFC, WHICHEVER IS LOWER.
- FIRE ALARM SYSTEM BELL AT 90" AFF OR 6" BFC, WHICHEVER IS LOWER.
- FIRE ALARM SYSTEM HORN/STROBE LIGHT AT 80" AFF OR 6" BFC, WHICHEVER IS LOWER; SUBSCRIPTED 1 INDICATES 110 CANDELA INTENSITY.
- FIRE ALARM SYSTEM BELL/STROBE LIGHT AT 80" AFF 1 INDICATES 110 CANDELA INTENSITY.
- TS — SPRINKLER SYSTEM TAMPER SWITCH
- FS — SPRINKLER SYSTEM FLOW SWITCH
- PS — SPRINKLER SYSTEM PRESSURE SWITCH
- CLOCK SYSTEM SINGLE RECEPTACLE; NEMA 5-15R AT 80" ABOVE FINISHED FLOOR UNO.
- SOUND SYSTEM DEVISE; SEE SOUND SYSTEM DEVICE SCHEDULE ON DRAWINGS.
- S — SOUND SYSTEM SPEAKER; CEILING-MOUNTED 2-GANG, 4" DEEP BOX WITH 1" CONDUIT TO ABOVE NEAREST ACCESSIBLE CEILING
- PUSHBUTTON
- D — ELECTRIC DOOR OPENER
- TV — TELEVISION OUTLET; SINGLE GANG 4" DEEP BOX AT 80" AFF(WITH 1" CONDUIT TO ABOVE NEAREST CEILING) AND ADJACENT NEMA 5-20R DUPLEX RECEPTACLE.
- D — DUCT SMOKE DETECTOR
- CCTV CAMERA
- (2) — MOTOR SYMBOL; THE NUMBER INSIDE INDICATES HP.
- COMBINATION DISCONNECT SWITCH/MOTOR STARTER.
- NON FUSED DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH
- LOW VOLTAGE PANEL
- HIGH VOLTAGE PANEL
- (M) — MICROPHONE RECEPTACLE
- SWITCH
- FUSE
- GROUND
- OVERLOADS
- CIRCUIT BREAKER
- TRANSFORMER
- AUTOMATIC TRANSFER SWITCH
- DP — GROUND FAULT INTERRUPTING SWITCH

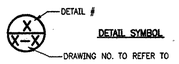
DRAWING SYMBOLS

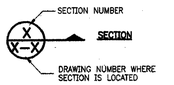
(ALL SYMBOLS MAY NOT APPEAR ON DRAWINGS.)

RISER DIAGRAM SYMBOL









ELECTRICAL CONVENTIONS

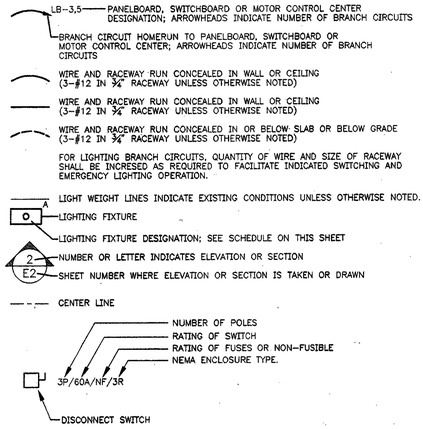
(ALL CONVENTIONS MAY NOT APPEAR ON DRAWINGS.)

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.



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.

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PROJECT NO:69802.00

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS — KEITH W. GASSMAN — 89636 — LICENSED PROFESSIONAL ENGINEER — 9/30/02

N

Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

Drawing Title:

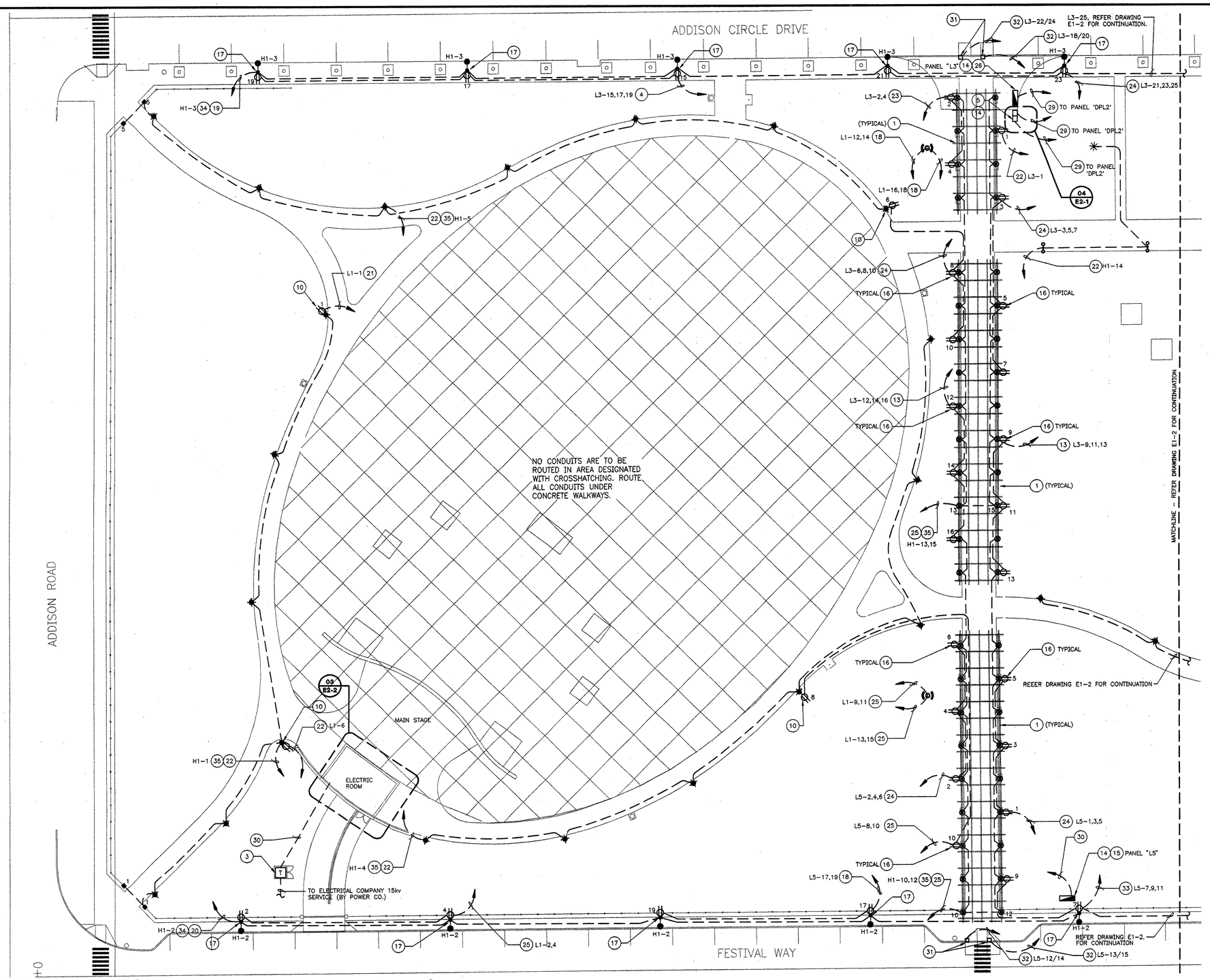
ELECTRICAL ABBREVIATIONS & SYMBOL LEGEND

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

Drawing No.

E0-0

DATE 9/30/02 | BY KWG | CHECKED KWG | DRAWN ARM | QAC



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 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.
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 "○"

1. PERGOLA STRUCTURE.
2. NOT USED.
3. TRANSFORMER BY POWER COMPANY. SEE DRAWING C2-1 FOR EXACT LOCATION.
4. 4#4, 1#8G-1 1/2"C.
5. CAMLOK PANEL #1, REFER DETAIL 01 DRAWING E2-1 FOR ADDITIONAL INFORMATION.
6. NOT USED.
7. NOT USED.
8. NOT USED.
9. NOT USED.
10. PROVIDE 120V WP/GFI DUPLEX RECEPTACLES WITH HOODED "IN USE" COVERS IN BASE OF SITE LIGHTING FIXTURE POLE. REFER ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS.
11. NOT USED.
12. NOT USED.
13. 4#6, 1#8G-1 1/2"C
14. MOUNT PANEL ON FENCE. SEE DRAWING C2-1.
15. PANEL "L5", REFER DETAIL 02 ON DRAWING E2-1 AND DRAWING E3-1 FOR ADDITIONAL INFORMATION.
16. 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.
17. 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.
18. 3#6, 1#10G-1"C.
19. 2#8, 1#10G-3/4"C.
20. 2#10, 1#10G-3/4"C.
21. 2#6, 1#10G-1"C.
22. 2#12, 1#12G-3/4"C.
23. 3#12, 1#12G-3/4"C.
24. 4#8, 1#10G-1"C.
25. 3#8, 1#10G-1"C.
26. PANEL "L3", REFER DETAIL 01 ON DRAWING E2-1 AND DRAWING E3-1 FOR ADDITIONAL INFORMATION.
27. NOT USED.
28. NOT USED.
29. REFERENCE SINGLE LINE DIAGRAM FOR WIRE/CONDUIT SIZES ON DETAIL 01 DRAWING E2-1.
30. REFERENCE SINGLE LINE DIAGRAM FOR WIRE/CONDUIT SIZES ON DETAIL 02 DRAWING E2-1.
31. TICKET BOOTH LOCATION. 208V, 1ø, 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.
32. 3#10, 1#10G-3/4"C. EACH (2) 2P-30A. CIRCUIT BREAKER. FURNISH AND INSTALL #L1430R69W74 CORROSION RESISTANT RECEPTACLE, COVER AND GASKET WITH #28W CAP AT EACH LOCATION AS MANUFACTURED BY LEVITON OR APPROVED EQUAL.
33. 4#10, 1#10G-3/4"C.
34. ALL STREET LIGHTS SHALL BE CONTROLLED BY PHOTOCELL WITH MANUAL OVERRIDE.
35. ALL SITE LIGHTING SHALL BE CONTROLLED BY PHOTOCELL/TIMECLOCK WITH MANUAL OVERRIDE.

DR.	DESIGN	DRN.	CHKD.	APD.
QAC	KWG	QAC	KWG	9/30/02

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PROJECT NO:69602.00

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS
KEITH W. GASSMAN
89636
LICENSED
PROFESSIONAL ENGINEER
10/21/02

N

0 10' 20' 40'

Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

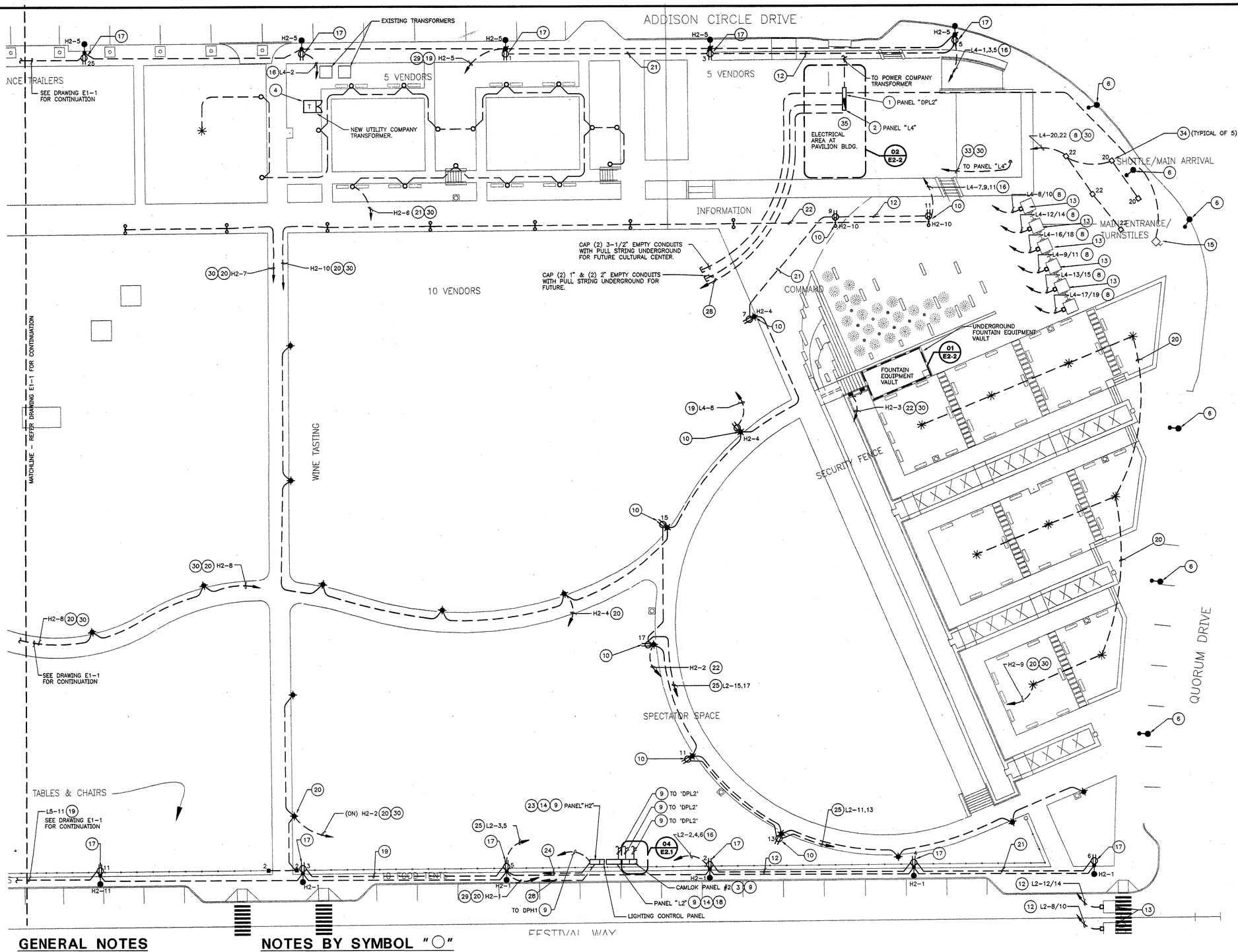
Drawing Title:

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 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.
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 "◯"

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#10, 1#10G-3/4"C.
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#10G-1"C. EACH. (2) 2P-30A CIRCUIT BREAKERS. FURNISH AND INSTALL #L1430R69W74 CORROSION RESISTANT RECEPTACLE, COVER AND GASKET WITH #28W CAP AT EACH LOCATION AS MANUFACTURED BY LEVITON OR APPROVED EQUAL. (1)
13. TICKET BOOTH LOCATION 120V, 1ø, 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 STATUE 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#10G-1 1/4"C.
17. PROVIDE 120V WP/GFI DUPLEX RECEPTACLES (HOODED "IN USE" WP/GFI) IN BASE OF LIGHT FIXTURE POLE. REFER ARCHITECTURAL DRAWING FOR MOUNTING HEIGHTS. 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#10G-3/4"C.
20. 2#10, 1#10G-3/4"C.
21. 2#6, 1#10G-1"C.
22. 2#12, 1#12G-3/4"C.
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#10G-1"C.
26. NOT USED.
27. NOT USED.
28. ROUTE 1" EMPTY CONDUIT WITH PULL STRING TO ELECTRICAL ROOM AT MAIN STAGE. STUB UP IN ROOM AND CAP FOR FUTURE USE. 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.
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.

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

	DATE	BY
DRAWN	09/30/02	
CHKD		
DES.		
APPD		
QA/QC		

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PROJECT NO: 69602.00

Stamp

STATE OF TEXAS
KEITH V. GASSMAN
89636
PROFESSIONAL ENGINEER
10/21/02

N

0 10' 20' 40'

Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

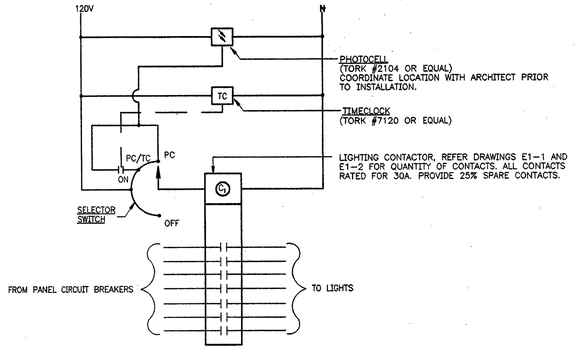
Drawing Title:

ELECTRICAL PLAN - EAST

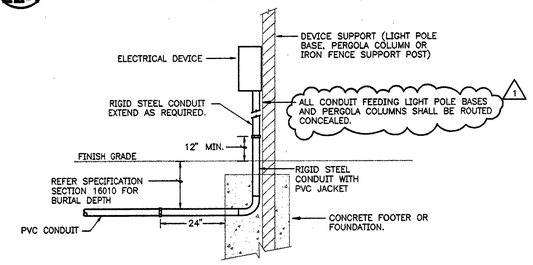
Project No. 14516.00 Scale: 1"=20'
Drawn By: ARM
Checked By: KG
Approved By: KG
Date: 09/30/2002

Drawing No.

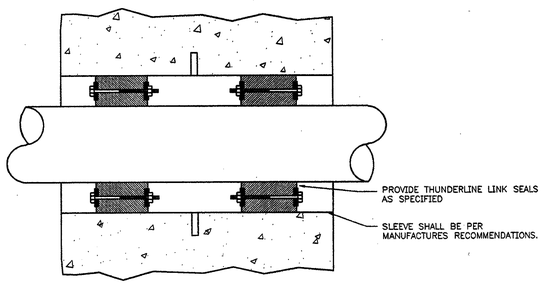
E1-2



06 PHOTO CELL/ TIME CLOCK DETAIL
E2-1 NTS

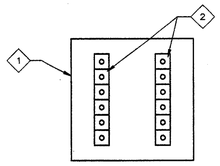


TYPICAL UNDERGROUND TO ABOVE GROUND CONDUIT TRANSITION DETAIL
07 E2-1 NTS



NOTE:
1. SLEEVE WALL, INSTALL PER MANUFACTURE'S RECOMMENDATIONS.

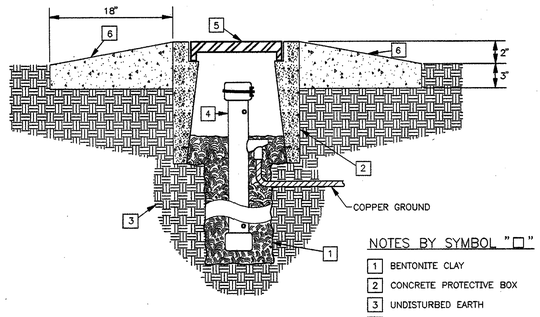
08 CONDUIT WALL SLEEVE DETAIL
E2-1 NTS



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.

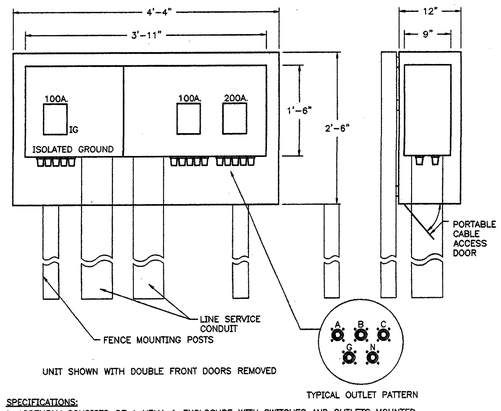
09 SPLICE BOX DETAIL
E2-1 NTS



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

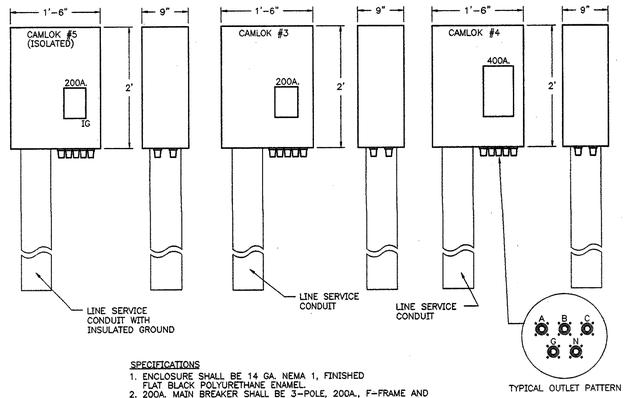


UNIT SHOWN WITH DOUBLE FRONT DOORS REMOVED

TYPICAL OUTLET PATTERN

SPECIFICATIONS:
1. ASSEMBLY CONSISTS OF A NEMA 1 ENCLOSURE WITH SWITCHES AND OUTLETS MOUNTED INSIDE A NEMA 3R DOUBLE DOOR OUTER ENCLOSURE.
2. (1) 200A., (2) 100A. 3-POLE BREAKERS TO BE PROVIDED AND BUSSED TO SETS OF (5) CAM OUTLETS.
3. A VOLTAGE BARRIER SHALL BE PROVIDED BETWEEN SWITCHES FED BY STANDARD TRANSFORMER AND THE SWITCH FED BY AN ISOLATION TRANSFORMER.
4. UNIT SHALL BE LABELED TO INDICATE ISOLATED GROUND AND FRAME GROUND.
5. (2) HATCHES SHALL BE PROVIDED FOR ACCESS BY THE PORTABLE CABLE TO THE OUTLETS.
6. UNIT IS TO BE MOUNTED ABOVE GROUND LEVEL. REFERENCE SASAKI DRAWING FOR MOUNTING.
7. FINISH SHALL BE FLAT BLACK POLYURETHANE ENAMEL.

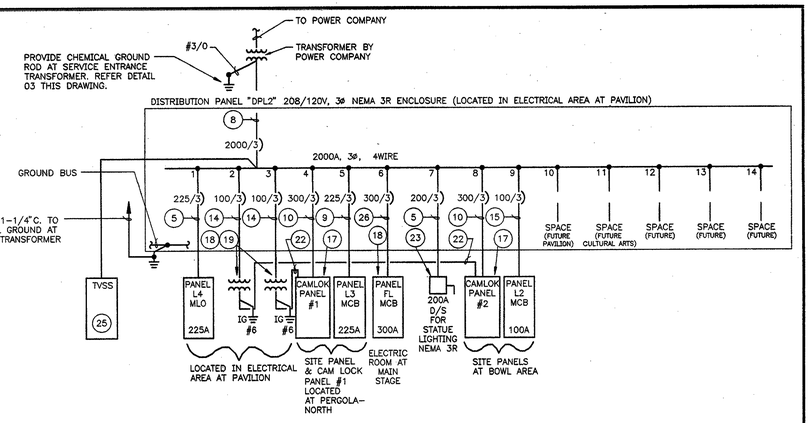
COMPANY SWITCHES - CAMLOK PANEL DETAIL
04 E2-1 NTS (TYPICAL FOR CAMLOK PANELS #1 AND #2)



TYPICAL OUTLET PATTERN

SPECIFICATIONS
1. ENCLOSURE SHALL BE 14 GA. NEMA 1, FINISHED FLAT BLACK POLYURETHANE ENAMEL.
2. 200A. MAIN BREAKER SHALL BE 3-POLE, 200A., F-FRAME AND 400A. MAIN BREAKER SHALL BE 3-POLE, 400A., K-FRAME.
3. FEED TO UNIT SHALL BE FROM BOTTOM. SUFFICIENT ROOM SHALL BE PROVIDED FOR INSTALLATION OF CONDUIT.
4. OUTLETS SHALL BE CAM TYPE.
5. GROUND OUTLET SHALL BE CONNECTED TO ENCLOSURE FRAME.

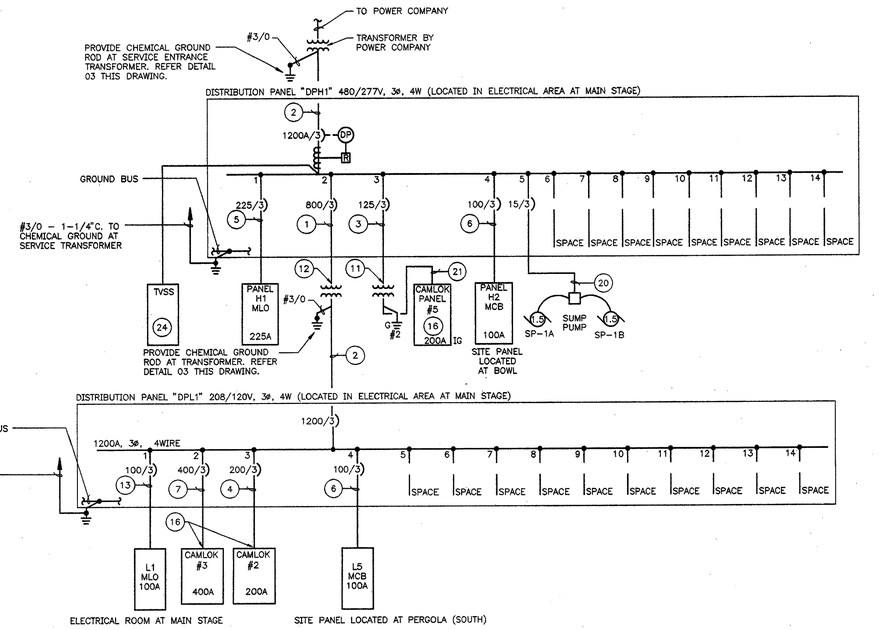
COMPANY SWITCHES - (CAMLOKS) IN ELECT. ROOM AT MAIN STAGE
05 E2-1 NTS



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, 3ø, 4W.
12. 500 KVA TRANSFORMER T-DPL1 480-208/120V,3ø,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, 3ø, 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 AE REQUIRED.
24. CURRENT TECHNOLOGIES #SEL250 - 277/4803GY OR EQUAL.
25. CURRENT TECHNOLOGIES #SEL250 - 120/2083GY 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

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PROJECT NO:69602.00

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS
KEITH W. GASSMAN
89636
LICENSED PROFESSIONAL ENGINEER
10/21/02

Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

Drawing Title:

SINGLE LINE DIAGRAMS AND DETAILS

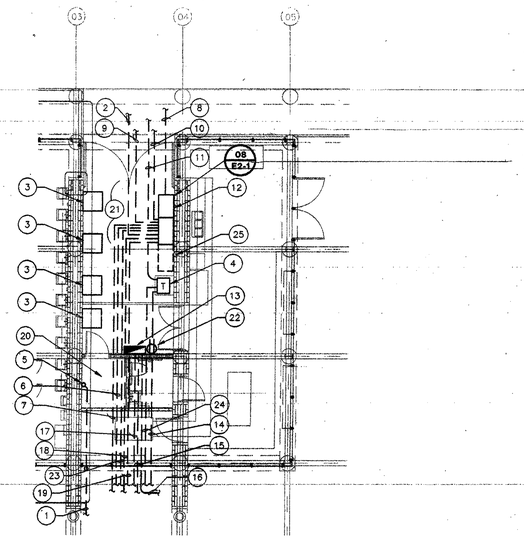
Project No. 14516.00 Scale: NONE
Drawn By: ARM
Checked By: KG
Approved By: KG
Date: 09/30/02

Drawing No.
E2-1

DWG	CHKD	BKD	DATE
			9/30/02

NOTES BY SYMBOL "○"

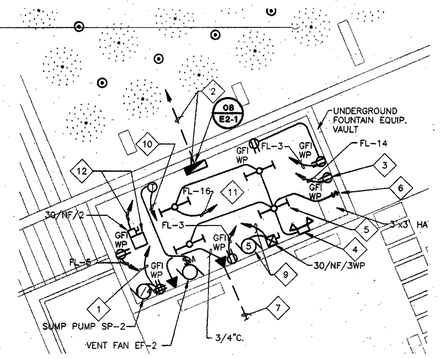
1. ROUTE 1" EMPTY CONDUIT FROM TELEPHONE BOARD TO FOUNTAIN VAULT FOR INSTALLATION OF IRRIGATION CONTROL SYSTEM.
2. TO PANEL "L3" AT PERGOLA (NORTH)
3. CONDENSING UNITS, NOT IN CONTRACT.
4. 2-30KVA TRANSFORMER "T-CLP1" & "T-CLP2". 208-208/120V, 3ø, 4W. W/1SOL. GR. (TRANSFORMER TO BE STACKED).
5. STUB 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 3#12, 1#12G. - 3/4"C.
23. TO IRRIGATION PUMP AT FOUNTAIN VAULT.
24. TO VENTILATION FAN AT FOUNTAIN VAULT.
25. PROVIDE SPACE FOR FUTURE EQUIPMENT.



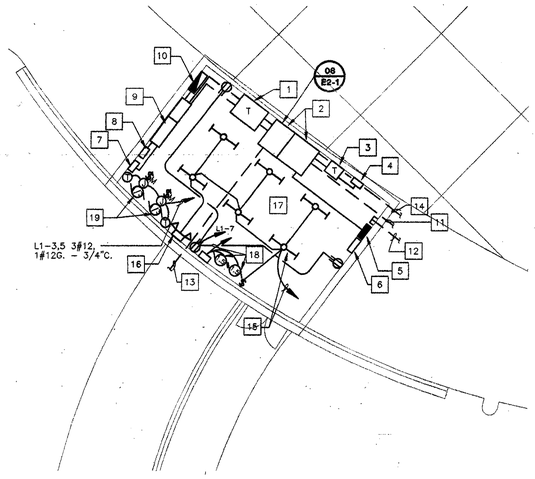
02 E2-2 ELECTRICAL AREA AT PAVILION AREA
1/8" =1'-0"

NOTES BY SYMBOL "◇"

1. SUMP PUMP SP-2, 120V., 1/2HP, FL-9 2#12, 1#12G.-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. ELECROMECHANICAL 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 3#10, 1#10G.-1"C.
10. VENTILATION FAN EF-2, 1/3HP, 120V., 1ø, FL-7. 2#12, 1#12G.-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 2#10, 1#12G.-3/4"C.



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



03 E2-2 ELECTRICAL ROOM PLAN AT MAIN STAGE
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-CL5" (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.
14. FLUORESCENT LIGHT FIXTURES, LITHONIA #C232-277AL-WG (OR EQUAL) WITH WIRE GUARD. TYPICAL FOR SIX (6) FIXTURES. H1-7 2#12, 1#12G. - 3/4"C.
15. EMERGENCY BATTERY LIGHT, WIRE AHEAD OF LIGHT SWITCH H1-7. LITHONIA #6ELM2-N-DL (OR EQUAL).
16. REFER TO ONE LINE DIAGRAM DETAIL 02 ON DRAWING E2-1 FOR EQUIPMENT IN THIS AREA.
17. 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.
18. EXHAUST FANS "EF-1A" AND "EF-1B". 120V., 1/3 HP EACH. WIRE LINE VOLTAGE THERMOSTATS. TYPICAL FOR TWO (2) FANS .

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS
KEITH W. GASSMAN
89636
LICENSED
PROFESSIONAL ENGINEER
9/30/02

N

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

DR. CHK. DATE
ARM KG 9/30/02

PANEL H1

	CB P	TA	#	A	B	C	#	CB TA	P	
LIGHTS	1	20	1	700.0	1590.0		2	20	1	LIGHTS
LIGHTS	1	20	3		1500.0	805.0	4	20	1	LIGHTS
LIGHTS	1	20	5			995.0 –	6	20	1	SPARE
LIGHTS – ELECTRIC ROOM	1	20	7	600.0 –			8	20	1	SPARE
SPARE	1	20	9		– 1200.0		10	20	1	LIGHTS PERGOLA
SPARE	1	20	11			– 1200.0	12	20	1	LIGHTS PERGOLA
LIGHTS PERGOLA	1	20	13	1200.0	300.0		14	20	1	LIGHTS
LIGHTS PERGOLA	1	20	15		1200.0 –		16	20	1	SPARE
SPARE	1	20	17			– –	18	20	1	SPARE
SPARE	1	20	19	– –			20	20	1	SPARE
SPARE	1	20	21		– –		22	20	1	SPARE
SPARE	1	20	23			– –	24	20	1	SPARE
SPARE	1	20	25	– –			26	20	1	SPARE
SPARE	1	20	27		– –		28	20	1	SPARE
SPARE	1	20	29			– –	30	20	1	SPARE
SPACE			31	– –			32			SPACE
SPACE			33		– –		34			SPACE
SPACE			35			– –	36			SPACE
SPACE			37	– –			38			SPACE
SPACE			39		– –		40			SPACE
SPACE			41			– –	42			SPACE
TOTALS (KVA PER PHASE):				4.4	4.7	2.1				

LOAD SUMMARY	CONNECTED LOAD (KVA)	DEMAND LOAD (KVA)
LIGHTING	11.2	14.0
RECEPTACLES	–	–
NON-COINCIDENTAL	–	–
KITCHEN	–	–
COMPUTERS	–	–
OTHER	–	–
FUTURE	–	–
TOTALS (KVA):	11.2	14.0
TOTALS (AMPERES):	13.5	16.8

VOLTAGE: 480/277V
3 PHASE, 4 WIRE
BUS RATING: 225 AMPERES
MINIMUM AIC: 35,000
MAIN CIRCUIT BREAKER: 3 POLE MLO
ENCLOSURE: NEMA 1
MOUNTING: SURFACE
LOCATION: ELECTRIC ROOM @ MAIN STAGE
NOTES:

PANEL H2

	CB P	TA	#	A	B	C	#	CB TA	P	
LIGHTS – E PRIM	1	20	1	1450.0	2048.0		2	20	1	LIGHTS
LIGHTS	1	20	3		900.0	2400.0	4	20	1	LIGHTS
LIGHTS	1	20	5			1800.0 920.0	6	20	1	LIGHTS
LIGHTS	1	20	7	1405.0	4000.0		8	20	1	(4 – 1000 W LAMPS) LIGHTS
LIGHTS	1	20	9		900.0	4000.0	10	20	1	(4 – 1000 W LAMPS) LIGHTS
FOUNTAIN VAULT LIGHTS	1	20	11			400.0 –	12	20	1	SPARE
SPARE	1	20	13	– –			14	20	1	SPARE
SPARE	1	20	15		– –		16	20	1	SPARE
SPARE	1	20	17			– –	18	20	1	SPARE
SPARE	1	20	19	– –			20	20	1	SPARE
SPARE	1	20	21		– –		22	20	1	SPARE
SPARE	1	20	23			– –	24	20	1	SPARE
SPARE	1	20	25	– –			26	20	1	SPARE
SPARE	1	20	27		– –		28	20	1	SPARE
SPARE	1	20	29			– –	30	20	1	SPARE
SPACE			31	– –			32			SPACE
SPACE			33		– –		34			SPACE
SPACE			35			– –	36			SPACE
SPACE			37	– –			38			SPACE
SPACE			39		– –		40			SPACE
SPACE			41			– –	42			SPACE
TOTALS (KVA PER PHASE):				8.9	8.2	3.1				

LOAD SUMMARY	CONNECTED LOAD (KVA)	DEMAND LOAD (KVA)
LIGHTING	20.2	25.3
RECEPTACLES	–	–
NON-COINCIDENTAL	–	–
KITCHEN	–	–
COMPUTERS	–	–
OTHER	–	–
FUTURE	–	–
TOTALS (KVA):	20.2	25.3
TOTALS (AMPERES):	24.3	30.40

VOLTAGE: 480/277V
3 PHASE, 4 WIRE
BUS RATING: 100 AMPERES
MINIMUM AIC: 10,000
MAIN CIRCUIT BREAKER: 3 POLE 100 MCB
ENCLOSURE: NEMA 3R
MOUNTING: SURFACE
LOCATION: SITE PANEL @ BOWL
NOTES: NEMA 3R

PANEL L1

	CB P	TA	#	A	B	C	#	CB TA	P	
RECEPTACLES	1	20	1	1500.0	1500.0		2	20	1	RECEPTACLES
EXHAUST FAN	1	20	3		864.0	1500.0	4	20	1	RECEPTACLES
EXHAUST FAN	1	20	5			864.0 1500.0	6	20	1	RECEPTACLES
RECEPTACLES ELECT. ROOM	1	20	7	540.0 –			8	20	1	SPARE
LIGHTS	1	20	9		2000.0 –		10	20	1	SPARE
LIGHTS	1	20	11			2000.0 2000.0	12	20	1	LIGHTS
LIGHTS	1	20	13	2000.0	2000.0		14	20	1	LIGHTS
EXHAUST FANS	1	20	15		2000.0	2000.0	16	20	1	LIGHTS
SPARE	1	20	17			1440.0 2000.0	18	20	1	LIGHTS
SPARE	1	20	19	– –			20	20	1	SPARE
SPARE	1	20	21		– –		22	20	1	SPARE
SPACE			23			– –	24	20	1	SPARE
SPACE			25	– –			26	20	1	SPARE
SPACE			27		– –		28	20	1	SPARE
SPACE			29			– –	30	20	1	SPARE
SPACE			31	– –			32	20	1	SPARE
SPACE			33		– –		34			SPACE
SPACE			35			– –	36			SPACE
SPACE			37	– –			38			SPACE
SPACE			39		– –		40			SPACE
SPACE			41			– –	42			SPACE
TOTALS (KVA PER PHASE):				7.5	8.4	9.8				

LOAD SUMMARY	CONNECTED LOAD (KVA)	DEMAND LOAD (KVA)
LIGHTING	18.0	20.0
RECEPTACLES	6.5	6.5
NON-COINCIDENTAL	–	–
KITCHEN	–	–
COMPUTERS	–	–
OTHER	3.2	3.5
FUTURE	–	–
TOTALS (KVA):	25.7	30.1
TOTALS (AMPERES):	71.4	83.5

VOLTAGE: 208Y/120
3 PHASE, 4 WIRE
BUS RATING: 100 AMPERES
MINIMUM AIC: 22,000
MLO
ENCLOSURE: NEMA 1
MOUNTING: SURFACE
LOCATION: ELECTRIC ROOM @ MAIN STAGE
NOTES:

PANEL L2

	CB P	TA	#	A	B	C	#	CB TA	P	
RECEPTACLES	1	20	1	1500.0	1500.0		2	20	1	RECEPTACLES
RECEPTACLES	1	20	3		1500.0	1500.0	4	20	1	RECEPTACLES
RECEPTACLES	1	20	5			1500.0 1500.0	6	20	1	RECEPTACLES
SPARE	1	20	7	– 2250.0			8	30	2	TICKET BOOTH
SPARE	1	20	9		– 2250.0		10	30	2	TICKET BOOTH
RECEPTACLES	1	20	11			– 2250.0	12	30	2	TICKET BOOTH
SPARE	1	20	13	2250.0			14	30	2	TICKET BOOTH
SPARE	1	20	15		– –		16	20	1	SPARE
SPARE	1	20	17			– –	18	20	1	SPARE
SPARE	1	20	19	– –			20	20	1	SPARE
SPARE	1	20	21		– –		22	20	1	SPARE
SPACE			23			– –	24			SPACE
SPACE			25	– –			26			SPACE
SPACE			27		– –		28			SPACE
SPACE			29			– –	30			SPACE
SPACE			31	– –			32			SPACE
SPACE			33		– –		34			SPACE
SPACE			35			– –	36			SPACE
SPACE			37	– –			38			SPACE
SPACE			39		– –		40			SPACE
SPACE			41			– –	42			SPACE
TOTALS (KVA PER PHASE):				7.5	5.3	5.3				

LOAD SUMMARY	CONNECTED LOAD (KVA)	DEMAND LOAD (KVA)
LIGHTING	–	–
RECEPTACLES	9.0	9.0
NON-COINCIDENTAL	–	–
KITCHEN	–	–
COMPUTERS	–	–
OTHER	9.0	11.3
FUTURE	–	–
TOTALS (KVA):	18.0	20.3
TOTALS (AMPERES):	50.0	56.2

VOLTAGE: 208Y/120
3 PHASE, 4 WIRE
BUS RATING: 100 AMPERES
MINIMUM AIC: 22,000
MAIN CIRCUIT BREAKER: 3 POLE 100 AMP
ENCLOSURE: NEMA 3R
MOUNTING: SURFACE
LOCATION: @ BOWL AREA
NOTES: NEMA 3R

PANEL L3

	CB P	TA	#	A	B	C	#	CB TA	P	
RECEPTACLES	1	20	1	1500.0	1500.0		2	20	1	RECEPTACLES
RECEPTACLES	1	20	3		1500.0	1500.0	4	20	1	RECEPTACLES
RECEPTACLES	1	20	5			1500.0 1500.0	6	20	1	RECEPTACLES
RECEPTACLES	1	20	7	1500.0	1500.0		8	20	1	RECEPTACLES
RECEPTACLES	1	20	9		1500.0	1500.0	10	20	1	RECEPTACLES
RECEPTACLES	1	20	11			1500.0 1500.0	12	20	1	RECEPTACLES
RECEPTACLES	1	20	13	1500.0	1500.0		14	20	1	RECEPTACLES
RECEPTACLES	1	20	15		1500.0	1500.0	16	20	1	RECEPTACLES
RECEPTACLES	1	20	17			1500.0 2250.0	18	30	2	TICKET BOOTH
RECEPTACLES	1	20	19	1500.0	2250.0		20	30	2	TICKET BOOTH
RECEPTACLES	1	20	21		1500.0	2250.0	22	30	2	TICKET BOOTH
RECEPTACLES	1	20	23			1500.0 2250.0	24	30	2	TICKET BOOTH
RECEPTACLES	1	20	25	1500.0	– –		26			SPARE
SPARE	1	20	27		– –		28	20	1	SPARE
SPARE	1	20	29			– –	30	20	1	SPARE
SPARE	1	20	31	– –			32	20	1	SPARE
SPARE	1	20	33		– –		34	20	1	SPARE
SPARE	1	20	35			– –	36	20	1	SPARE
SPARE	1	20	37	– –			38			SPACE
SPACE			39		– –		40			SPACE
SPACE			41			– –	42			SPACE
TOTALS (KVA PER PHASE):				14.3	12.8	13.5				

LOAD SUMMARY	CONNECTED LOAD (KVA)	DEMAND LOAD (KVA)
LIGHTING	–	–
RECEPTACLES	31.5	20.8
NON-COINCIDENTAL	–	–
KITCHEN	–	–
COMPUTERS	–	–
OTHER	9.0	11.3
FUTURE	–	–
TOTALS (KVA):	40.5	32.00
TOTALS (AMPERES):	112.4	88.8

VOLTAGE: 208Y/120
3 PHASE, 4 WIRE
BUS RATING: 225 AMPERES
MINIMUM AIC: 22,000
MAIN CIRCUIT BREAKER: 3 POLE 225 AMP
ENCLOSURE: NEMA 3R
MOUNTING: SURFACE
LOCATION: @ TRELLIS (NORTH)
NOTES: NEMA 3R

PANEL L4

	CB P	TA	#	A	B	C	#	CB TA	P	
RECEPTACLES	1	20	1	1500.0	1500.0		2	20	1	RECEPTACLES
RECEPTACLES	1	20	3		1500.0	1500.0	4	20	1	RECEPTACLES
RECEPTACLES	1	20	5			1500.0 1500.0	6	20	1	RECEPTACLES
RECEPTACLES	1	20	7	1500.0	2250.0		8	30	2	TICKET BOOTH
TICKET BOOTH	2	30	9		2250.0	2250.0	10	30	2	TICKET BOOTH
TICKET BOOTH	2	30	11			2250.0 2250.0	12	30	2	TICKET BOOTH
TICKET BOOTH	2	30	13	2250.0	2250.0		14	30	2	TICKET BOOTH
TICKET BOOTH	2	30	15		2250.0	2250.0	16	30	2	TICKET BOOTH
TICKET BOOTH	2	30	17			2250.0 2250.0	18	30	2	TICKET BOOTH
TICKET BOOTH	2	30	19	2250.0	250.0		20	20	1	SIGNS
SPARE	1	20	21		– 250.0		22	20	1	SIGNS
SPARE	1	20	23			– 720.0	24	20	1	EXHAUST FAN
SPARE	1	20	25	– 180.0			26	20	1	RECEPTACLE AT PANEL
SPARE	1	20	27		– –		28	20	1	SPARE
SPARE	1	20	29			– –	30	20	1	SPARE
SPARE	1	20	31	– –			32	20	1	SPARE
SPARE	1	20	33		– –		34	20	1	SPARE
SPARE	1	20	35			– –	36			SPACE
SPACE			37	– –			38			SPACE
SPACE			39		– –		40			SPACE
SPACE			41			– –	42			SPACE
TOTALS (KVA PER PHASE):				13.9	12.3	12.7				

LOAD SUMMARY	CONNECTED LOAD (KVA)	DEMAND LOAD (KVA)
LIGHTING	0.5	0.63
RECEPTACLES	10.7	10.3
NON-COINCIDENTAL	–	–
KITCHEN	–	–
COMPUTERS	–	–
OTHER	27.72	34.65
FUTURE	–	–
TOTALS (KVA):	38.9	45.82
TOTALS (AMPERES):	107.98	126.61

VOLTAGE: 208Y/120
3 PHASE, 4 WIRE
BUS RATING: 225 AMPERES
MINIMUM AIC: 22,000
MLO
ENCLOSURE: NEMA 3R
MOUNTING: SURFACE
LOCATION: @ PAVILION
NOTES:

PANEL L5

	CB P	TA	#	A	B	C	#	CB TA	P	
RECEPTACLES	1	20	1	1500.0	1500.0		2	20	1	RECEPTACLES
RECEPTACLES	1	20	3		1500.0	1500.0	4	20	1	RECEPTACLES
RECEPTACLES	1	20	5			1500.0 1500.0	6	20	1	RECEPTACLES
RECEPTACLES	1	20	7	1500.0	1500.0		8	20	1	RECEPTACLES
RECEPTACLES	1	20	9		1500.0	1500.0	10	20	1	RECEPTACLES
RECEPTACLES	1	20	11			1500.0 2250.0	12	30	2	TICKET BOOTH
TICKET BOOTH	2	30	13	2250.0	2250.0		14	30	2	TICKET BOOTH
TICKET BOOTH	2	30	15		2250.0 –		16	20	1	SPARE
RECEPTACLES	1	20	17			1500.0 –	18	20	1	SPARE
RECEPTACLES	1	20	19	1500.0 –			20	20	1	SPARE
SPARE	1	20	21		– –		22	20	1	SPARE
SPARE	1	20	23			– –	24	20	1	SPARE
SPARE	1	20	25	– –			26	20	1	SPARE
SPARE	1	20	27		– –		28	20	1	SPARE
SPARE	1	20	29			– –	30	20	1	SPARE
SPARE	1	20	31	– –			32	20	1	SPARE
SPARE	1	20	33		– –		34			SPACE
SPACE			35			– –	36			SPACE
SPACE			37	– –			38			SPACE
SPACE			39		– –		40			SPACE
SPACE			41			– –	42			SPACE
TOTALS (KVA PER PHASE):				12.0	8.3	8.3				

LOAD SUMMARY	CONNECTED LOAD (KVA)	DEMAND LOAD (KVA)
LIGHTING	–	–
RECEPTACLES	19.5	14.8
NON-COINCIDENTAL	–	–
KITCHEN	–	–
COMPUTERS	–	–
OTHER	9.0	11.3
FUTURE	–	–
TOTALS (KVA):	28.5	26.0
TOTALS (AMPERES):	79.1	72.2

VOLTAGE: 208Y/120
3 PHASE, 4 WIRE
BUS RATING: 100 AMPERES
MINIMUM AIC: 10,000
MAIN CIRCUIT BREAKER: 3 POLE 100 AMP
ENCLOSURE: NEMA 3R
MOUNTING: FIELD TO MOUNT
LOCATION: @ TRELLIS SOUTH
NOTES: NEMA 3R

PANEL FL

	CB P	TA	#	A	B	C	#	CB TA	P	
RECEPTACLES	1	20	1	500.0	24000		2	200	3	FOUNTAIN EQUIPMENT
IRRIGATION CONTROLLER	1	20	3		200.0	24000	4	200	3	FOUNTAIN EQUIPMENT
RECEPTACLES	1	20	5			500.0 24000	6	200	3	FOUNTAIN EQUIPMENT
EXHAUST FAN EF-2	1	20	7	1018.0	2000.0		8	25	3	IRRIGATION PUMP
SUMP PUMP SP-2	1	20	9		700.0	2000.0	10	25	3	IRRIGATION PUMP
UNIT HEATER	2	15	11			1100.0 2000.0	12	25	3	IRRIGATION PUMP
UNIT HEATER	2	15	13	1100.0	1000.0		14	20	1	EYE WASH HEATER
SPARE	1	20	15		–	400.0	16	20	1	LIGHTING
SPARE	1	20	17			– –	18	20	1	SPARE
SPARE	1	20	19	– –			20	20	1	SPARE
SPACE			21		– –		22			SPACE
SPACE			23			– –	24			SPACE
SPACE			25	– –			26			SPACE
SPACE			27		– –		28			SPACE
SPACE			29			– –	30			SPACE
SPACE			31	– –			32			SPACE
SPACE			33		– –		34			SPACE
SPACE			35			– –	36			SPACE
SPACE			37	– –			38			SPACE
SPACE			39		– –		40			SPACE
SPACE			41			– –	42			SPACE
TOTALS (KVA PER PHASE):				29.6	27.3	27.6				

LOAD SUMMARY	CONNECTED LOAD (KVA)	DEMAND LOAD (KVA)
LIGHTING	0.4	0.5
RECEPTACLES	1.0	1.0
MOTORS	7.7	9.4
KITCHEN	–	–
COMPUTERS	–	–
OTHER	75.4	75.4
FUTURE	–	–
TOTALS (KVA):	84.5	86.3
TOTALS (AMPERES):	234.6	239.5

VOLTAGE: 208Y/120
3 PHASE, 4 WIRE
BUS RATING: 400 AMPERES
MINIMUM AIC: 10,000
MAIN CIRCUIT BREAKER: 3 POLE 300 AMP
ENCLOSURE: NEMA 3R
MOUNTING: SURFACE
LOCATION: FOUNTAIN EQUIPMENT VAULT
NOTES:

DISTRIBUTION PANEL DPL1

CIRCUIT	DESCRIPTION	LTG	RECP	MOTORS	NON-COINC	KITCHEN	OTHER	SPARE
1	PANEL 'L1'	16	6.5	3.17				
2	CAMLOK PANEL #4						144	
3	CAMLOK PANEL #3						72	
4	PANEL 'L5'		19.5				9	
5	SPACE							
6	SPACE							
7	SPACE							
8	SPACE							
9	SPACE							
10	SPACE							
11	SPACE							
12	SPACE							
13	SPACE							
14	SPACE							
	CONNECTED LOAD	16	26	3.17			225	
	ADJUSTMENT FACTOR	125%	*	**			100%	
	DESIGN LOAD	20	18	3.53			225	

TOTAL DESIGN LOAD KVA	266.53
TOTAL DESIGN LOAD AMPS	739.8

RATING: 1200 AMPS
MAIN TYPE: MCB
VOLTAGE: 120/208, 3 PH, 4W
KAIC SYM: 65
MOUNTING: SURFACE
LOCATION: ELECTRICAL ROOM AT MAIN STAGE
COMMENTS:

* FIRST 10KVA @ 100% + REMAINING AT 50%
** LARGEST MOTOR AT 125% + REMAINING AT 100%

DISTRIBUTION PANEL DLP2

CIRCUIT	DESCRIPTION	LTG	RECP	MOTORS	NON-COINC	KITCHEN	OTHER	SPARE
1	PANEL 'L4'	0.5	10.7				27.72	
2	TRANSFORMER 'T-CL2'						30	
3	TRANSFORMER 'T-CL1'						30	
4	CAMLOK PANEL #1						108	
5	PANEL 'L5'		19.5				9	
6	PANEL 'FL'	0.4	1	7.7			75.4	
7	STATUE DISCONNECT						72	
8	CAMLOK PANEL #2						108	
9	PANEL 'L2'		9				9	
10	FUTURE (PAVILION)	7.83	7	19.5		11.5		
11	FUTURE (CULTURAL ARTS CNTR)		9.8	39		5.8		
12	SPACE							
13	SPACE							
14	SPACE							
	CONNECTED LOAD	8.73	57	66.2		17.3	469.12	
	ADJUSTMENT FACTOR	125%	*	**		***	100%	
	DESIGN LOAD	10.91	33.5	82.75		17.3	469.12	

TOTAL DESIGN LOAD KVA	613.58
TOTAL DESIGN LOAD AMPS	1703.1

RATING: 2000 AMPS
MAIN TYPE: MCB
VOLTAGE: 120/208, 3 PH, 4W
KAIC SYM: 65
MOUNTING: SURFACE
LOCATION: PAVILION BUILDING
COMMENTS:

* FIRST 10KVA @100% + REMAINING AT 50%
** LARGEST MOTOR AT 125% + REMAINING AT 100%
*** PER NEC 220-20 REQUIREMENTS

DISTRIBUTION PANEL "DPH1"

CIRCUIT	DESCRIPTION	LTG	RECP	MOTORS	NON-COINC	KITCHEN	OTHER	SPARE
1	PANEL 'H1'	11.2						
2	TRANSFORMER 'T-DPL1'						500	
3	TRANSFORMER 'T-DPL2'						75	
4	PANEL 'H2'	20.2						
5	DUPLEX SUMP 'SP-1A & 'SP-1B			5				
6	SPACE							
7	SPACE							
8	SPACE							
9	SPACE							
10	SPACE							
11	SPACE							
12	SPACE							
13	SPACE							
14	SPACE							
	CONNECTED LOAD	31.4		5			575	
	ADJUSTMENT FACTOR	125%		*		**	100%	
	DESIGN LOAD	39.3		5.6			575	

TOTAL DESIGN LOAD KVA	619.85
TOTAL DESIGN LOAD AMPS	745.6

RATING: 1200 AMPS
MAIN TYPE: MCB – GFI
VOLTAGE: 277/480, 3 PH, 4W
KAIC SYM: 65
MOUNTING: SURFACE
LOCATION: ELECTRIC ROOM AT MAIN STAGE
COMMENTS:

* LARGEST MOTOR AT 125% + REMAINING AT 100%
** PER NEC 220-20 REQUIREMENTS

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PROJECT NO:69602.00

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS
KEITH V. GASSMAN
89636
LICENSED
PROFESSIONAL ENGINEER
9/30/02

N

Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

Drawing Title:

ELECTRICAL PANELBOARD SCHEDULES

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

Drawing No.

E3-1

KG	9/30/02	
KG	9/30/02	
ARM	9/30/02	
KG	9/30/02	
CAD		

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	OR	SMALL SUBMERSIBLE FREESTANDING LIGHT FIXTURE
	2" SMALL POOL DRAIN		SUBMERSIBLE FREESTANDING LIGHT FIXTURE
	4" MAIN POOL DRAIN	FLOOR WALL	SUBMERSIBLE NICHE LIGHT FIXTURE
	2" WALL NICHE OVERFLOW	FLOOR WALL	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. CYCOLAC 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 FLOAT VALVE NICHE MOUNTED		EQUIP. ROOM OR PUMP STATION LIGHT SWITCH
	FOUNTAIN JET - AS LABELED	FCP	FOUNTAIN CONTROL PANEL
	FOUNTAIN JET POD	TRANS	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
FLOW	SWING CHECK VALVE		NON-FLANGED REDUCER
FLOW	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)	2 #12	ELECTRICAL CONDUIT NUMBER AND SIZE OF WIRES
	90° ELL (UP)		CHEMICAL PIPING
	THREADED CONNECTION		AIR VENT PIPING
	SOCKET CONNECTION - PVC	PS PS VS	FLOW, PRESSURE AND VACUUM SWITCH

GENERAL CONTRACTOR NOTES

1. " ● " INDICATES MATERIAL PROVIDED BY FOUNTAIN EQUIPMENT SUPPLIER, REMAINDER BY DESIGNATED CONTRACTOR.
2. CONTRACTOR SHALL INSURE THAT INSTALLATION COMPLIES WITH ALL APPLICABLE NATIONAL AND LOCAL CODES AND PROJECT SPECIFICATIONS.
3. G ALL POOLS SHALL BE WATERPROOFED BY SPECIFIED APPROVED MEANS.
4. 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.
5. G REFER TO MECHANICAL AND ELECTRICAL NOTES FOR FURTHER INFORMATION.
6. G FIELD VERIFY ALL DIMENSIONS.
7. G CONSULT ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DETAILS NOT SHOWN ON THESE DRAWINGS.
8. G ALL WEIRS SHALL BE INSTALLED WITH AN ACCURACY OF "+" OR "-" 1\16" OVER THE ENTIRE WEIR LENGTH. UNLESS OTHERWISE NOTED, REFER TO THE ARCHITECTURAL DRAWINGS FOR WEIR DETAILS.
9. 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'L NOTES AND ALL DETAILS) WHERE INDICATED.
10. 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'L NOTES AND ALL DETAILS) WHERE INDICATED.
11. 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.
12. 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.

MECHANICAL CONTRACTOR NOTES

1. " ● " INDICATES MATERIAL PROVIDED BY FOUNTAIN EQUIPMENT SUPPLIER, REMAINDER BY DESIGNATED CONTRACTOR.
2. CONTRACTOR SHALL INSURE THAT INSTALLATION COMPLIES WITH ALL APPLICABLE NATIONAL AND LOCAL CODES AND PROJECT SPECIFICATIONS.
3. 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.
4. 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.
5. M INDICATES MID-POINT OF PIPES CONNECTING RESPECTIVE FOUNTAIN EQUIPMENT COMPONENTS.
6. 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.
7. M THE INCOMING WATER SUPPLY LINE PRESSURE MUST NOT EXCEED 50 PSI AND IS PART OF THE BUILDING CONTRACT, NOT THE FOUNTAIN.
8. M CONTRACTOR SHALL OBTAIN ALL NECESSARY INSTALLATION PERMITS AND INSPECTIONS.
9. M ALL PIPING SHALL BE INSTALLED LEVEL OR WITH A DOWNWARD SLOPE FROM THE POOL TO THE PUMP ROOM.
10. 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.
11. 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.
12. 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.
13. M ALL WELDED PVC FITTINGS ABOVE 6" DIAMETER SHALL BE FIBERGLASS REINFORCED AND USED ONLY ON NON-PRESSURIZED LINES.
14. 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.
15. M ALL PIPING PENETRATIONS THROUGH STRUCTURE WALLS INTO OPEN AREAS BELOW POOL STRUCTURE MUST HAVE THE NECESSARY ALLOWANCES MADE FOR SETTLEMENT.
16. M ALL PENETRATIONS THROUGH OUTSIDE WALLS TO BELOW GRADE SHALL BE SEALED USING "EASY-LINK SEALS".

ELECTRICAL CONTRACTOR NOTES

1. " ● " INDICATES MATERIAL PROVIDED BY FOUNTAIN EQUIPMENT SUPPLIER, REMAINDER BY DESIGNATED CONTRACTOR.
2. E CONTRACTOR SHALL INSURE THAT INSTALLATION COMPLIES WITH ALL APPLICABLE NATIONAL AND LOCAL CODES, ESPECIALLY N.E.C. SECTION 680 E, AND PROJECT SPECIFICATIONS.
3. 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.
4. 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.
5. E CONTRACTOR SHALL OBTAIN ALL NECESSARY INSTALLATION PERMITS AND INSPECTIONS.
6. E ELECTRICAL CONDUIT INSIDE A STRUCTURE AREA TO BE EMT. ELECTRICAL CONDUIT UNDERGROUND TO BE PVC.
7. E CONTRACTOR TO INSURE THAT ALL BONDING CODES ARE COMPLIED WITH FOR EACH METAL POOL EQUIPMENT COMPONENT.
8. E AFTER TESTING, JUNCTION BOXES NEED TO BE SEALED WITH PARAFFIN WAX OR OTHER APPROVED FILLING COMPOUND. (SEE 2 ABOVE).
9. E WIRES FOR WATER LEVEL MONITOR MUST BE RUN IN A SEPARATE CONDUIT TO THE FOUNTAIN CONTROL PANEL.
10. E ALL CONDUIT PENETRATIONS THROUGH STRUCTURE WALLS INTO TRADE AREAS BELOW THE POOL STRUCTURE MUST HAVE THE NECESSARY ALLOWANCES MADE FOR SETTLEMENT.
11. 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.
12. E FLOOR MOUNTED MOTOR CONTROL CENTERS AND TRANSFORMERS FOR FOUNTAIN RELATED EQUIPMENT SHALL BE INSTALLED ON A 4" CONCRETE HOUSEKEEPING PAD IN EQUIPMENT ROOM.
13. 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.
14. E ALL PENETRATIONS THROUGH OUTSIDE WALLS TO BELOW GRADE SHALL BE SEALED USING "EASY-LINK SEALS".
15. 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!
16. E ALL PVC CONDUIT CONNECTIONS UNDERGROUND SHALL BE SCH40 PRESSURE FITTINGS ((FE) MALE ADAPTERS & COUPLINGS). USE COLOR CODED PRIMER & PRESSURE FITTING PVC GLUE & TEFLON PASTE. THE USE OF NORMAL ELECTRICAL PVC FITTINGS IS PROHIBITED!

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
WALL FLOOR	2" SMALL POOL DRAIN		ADJUSTABLE INLET FITTING		SUMP PUMP
	4" MAIN POOL DRAIN		FOUNTAIN JET (AS LABELED)		DUPLEX RECEPTACLE
	WALL NICHE OVERFLOW		WATER LEVEL CONTROL		PUMP STATION OR EQUIP. ROOM LIGHT FIXTURE
	OVERFLOW DRAIN STANDPIPE		FREESTANDING SUBMERSIBLE LIGHT FIXTURE	FCP	FOUNTAIN CONTROL PANEL
	8" DIAM. CYCOLAC SUMP	FLOOR WALL	NICHE LIGHT FIXTURE	T	FOUNTAIN TRANSFORMER

SHEET NO.	DESCRIPTION
F0-0	COVER SHEET/SYMBOLS/GENERAL NOTES
F1-1	WATER GARDEN DISCHARGE PLAN VIEW
F1-2	WATER GARDEN SUCTION & DRAIN PLAN VIEW
F1-3	WATER GARDEN ELECTRICAL PLAN VIEW
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

PROJECT NUMBER: #0701-259	ORIGINAL ISSUE DATE: 05-21-02
REVISION # 1	REVISION DATE: 09-23-02
SEAL	SEAL

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

002COVER

FILE # 0200

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Interdisciplinary Design
64 Pleasant Street, Watertown, Massachusetts 02472 USA
t 617 926 3300 f 617 924 2748 w www.sasaki.com

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS — DAVID L. GIBSON — 78255 — REGISTERED PROFESSIONAL ENGINEER

N

0 10' 20' 40'

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

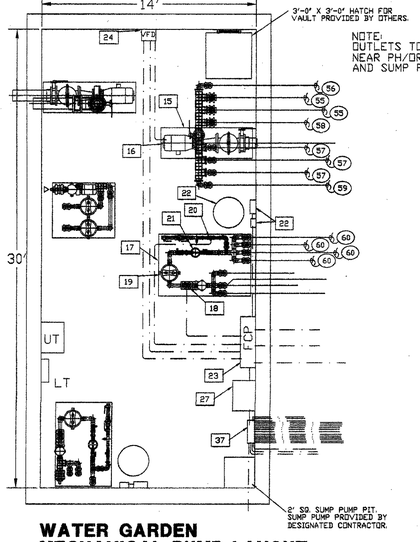
Drawing No.

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.

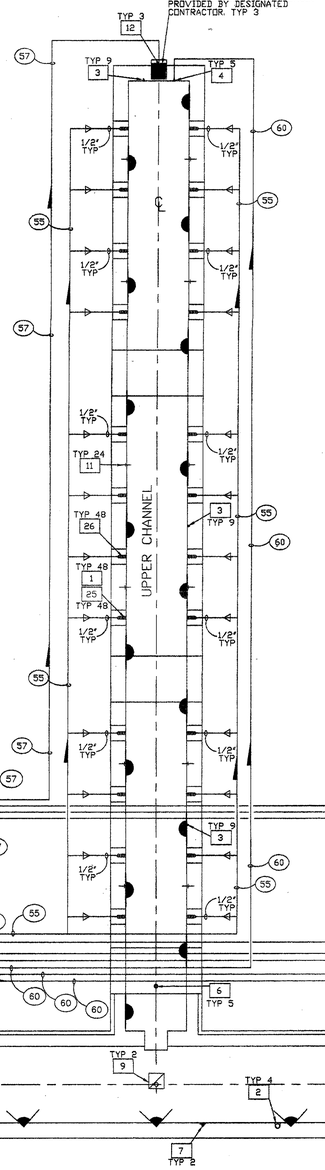
NOTE:
OUTLETS TO BE PROVIDED NEAR PH/ORP SYSTEM AND SUMP PUMP.

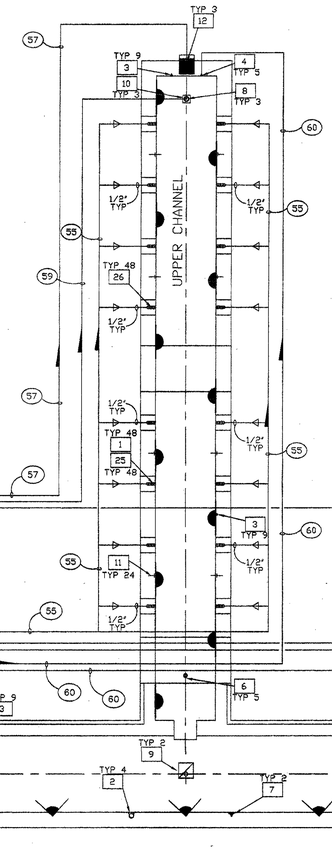


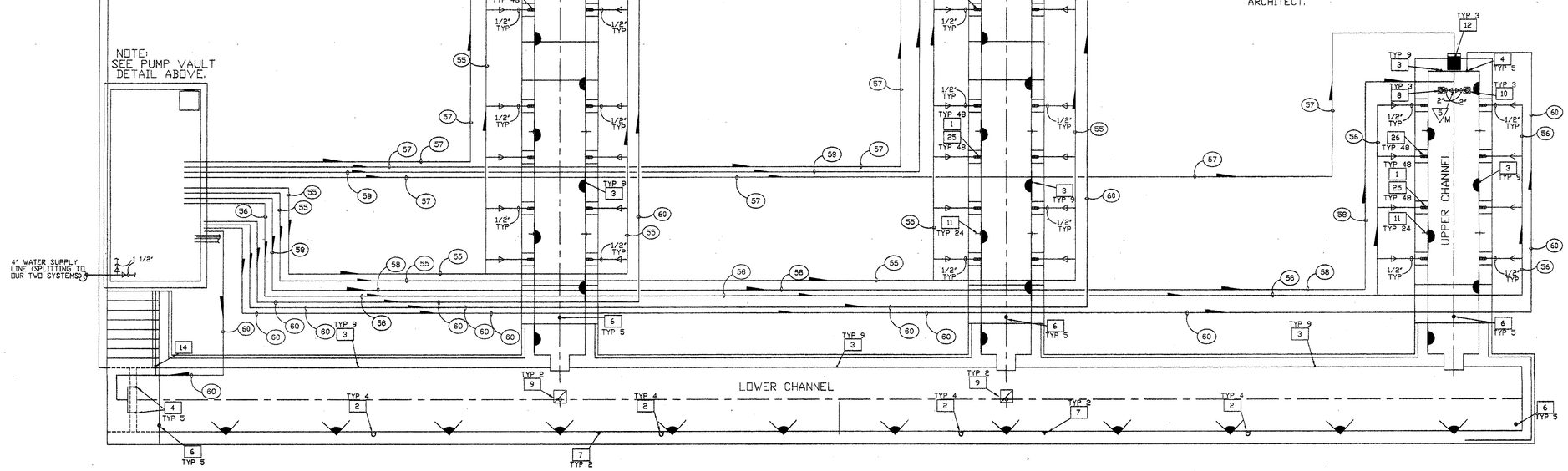
WATER GARDEN MECHANICAL PUMP LAYOUT

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

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







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	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	8" MAIN DRAIN LINE TO STORM (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 3Ø 225A (4#4/0+1#30)	1
71	1" CONDUIT FROM CONTROL PANEL TO VFD FOR 15HP DISPLAY PUMP (3#6+1#8G) (VIA VFD)	1
72	1/2" CONDUIT FROM CONTROL PANEL TO 3HP FILTER PUMP (3#14+1#8G)	1
73	1/2" CONDUIT FROM CONTROL PANEL TO FILL VALVE (2#14+1#14G)	1
74	3/4" CONDUIT FROM CONTROL PANEL TO WATER LEVEL SENSOR (6#18+1#18G)	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 12V) (4#10+1#10G)	8
77	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHTS 3 X 75W 12V) (2#10+1#10G)	3
78	3/4" CONDUIT FROM CONTROL PANEL TO DECK BOX (LIGHTS 2 X 300W 120V) (2#12+1#12G)	6
79	3/4" CONDUIT FROM CONTROL PANEL TO PYLON LIGHTS BY CONTRACTOR (2 X 300W) (2#12+1#12G)	3
80	1/2" CONDUIT FROM CONTROL PANEL TO PH/ORP EROSION CONTROLLER (2#14+1#14G)	1
81	1" CONDUIT FROM VFD TO 15 HP PUMP (3#6+1#8G)	1
82	1" CONDUIT FROM CONTROL PANEL TO 5 KVA TRANSFORMER (16/32 VAC) (3#8+1#8G)	1
83	2" CONDUIT FROM 5 KVA TRANSFORMER TO LIGHTING PANEL (3#4/0+1#3G)	1
84	3/4" CONDUIT FROM LIGHT FIXTURE TO DECK BOX (LIGHT CABLE)	45
85	1/2" CONDUIT FROM CONTROL PANEL TO VFD (8#18+1#18G)	1

ADDISON CIRCLE ARTS (D)
WATER GARDEN
EQUIPMENT LIST

SYMB		DETAIL	ITEM DESCRIPTION	
1	•	A-F1-4	GEFCO SELECT #SC105-05 STREAM JET: 3/8" ORIF. SIZE, 1/2" FEMALE NPT. CONN., 10' ADJ.	48
2	•	B-F1-4	GEFCO #PE100-1 SURFACE SKIMMER: 1-1/2" N.P.T. FEMALE CONNECTION.	4
3	•	C-F1-4	GEFCO #PE101 VACUUM FITTING: 2" N.P.S. FEMALE CONNECTION.	9
4	•	D-F1-4	GEFCO #PE102 EYEBALL FITTING: 1" ORIFICE SIZE, 2" N.P.S. FEMALE CONNECTION.	5
5		X	X	–
6	•	F-F1-4	GEFCO SELECT #PE104-4 MAIN POOL DRAIN: 4" FEMALE NPT. CONNECTION.	5
7	•	G-F1-4	GEFCO #PE105-4 WALL NICHE ADJUSTABLE OVERFLOW: 4" MALE CONNECTION.	2
8	•	H-F1-4	GEFCO #PE107 SUMP FOR BALLAST POOLS: 2" NPT.FEM. BOTTOM AND SIDE CONNECTIONS.	3
9	•	J-F1-4	GEFCO #PE108-6-2B SUMP: 6" AND 2" BOTTOM CONNECTION, 24"x 24" STAINLESS STEEL ANTI-VORTEX PLATE.	2
10	•	H-F1-4	GEFCO #PE108E 12" SQ. ANTI-VORTEX PLATE: 12"x 12" STAINLESS STEEL ANTI-VORTEX PLATE.	3
11	•	K-F1-4	GEFCO #PE109-07P SLAB PENETRATION: 3/4" DIA. x 18" LONG SCH. 80 PVC. PIPE W/ PVC. WATERSTOP FLANGE.	24
12	•	L-F1-4	GEFCO #PE109-20 SLAB PENETRATION: 2" DIA. x 18" LONG CPR. TUBE W/ BRS. WATERSTOP FLANGE.	3
13	•	M-F1-4	GEFCO #EE114A ANEMOMETER: 3/4" FEMALE NPT. CONNECTION. (SEE C5-1 FOR LOCATION)	1
14	•	N-F1-4	GEFCO SELECT #EE131B DUAL WATER LEVEL SENSOR: 3/4" NPT. BTM. CONNECTION.	1
15	•	X	GEFCO #SK115 PUMPING SKID: 2'-0" X 4'-0" PAD, FACTORY TESTED AND PREASSEMBLED.	1
16	•	X	GEFCO SELECT #PM212-15 DISPLAY PUMP: 15 HP, 550 GPM AT 60 FH. 208 V. 3Ø 1750 RPM, 60 HZ.	1
17	•	X	GEFCO #SK103-100 PUMPING SKID: 4'-0" X 6'-0" PAD, FACTORY TESTED AND PREASSEMBLED.	1
18	•	X	GEFCO SELECT #PM112 FILTER PUMP: 3 HP., 35 GPM. AT 50 FH., 208V., 3Ø, 3450 RPM, 60HZ.	1
19	•	X	GEFCO SELECT #PM900-15SP HARD CARTRIDGE FILTER ASSEMBLY: 150 SQ. FT. FILTER W/ 150 SQ. FT. REPLACEMENT FILTER.	1
20	•	X	GEFCO #PM800-15SP WATER CONTROL MANIFOLD: AUTOMATIC FILL/LEVEL CONTROL MANIFOLD, WITH P.R.V.	1
21	•	X	GEFCO SELECT#PM1725 BROMINATOR WITH FLOW INDICATOR: 1-1/2" NPT. CONNECTION.	1
22	•	X	GEFCO SELECT#PM1750PH/ORP EROSION CONTROLLER: 120V AC.	1
23	•	X	GEFCO CUSTOM CONTROL PANEL: NEMA 3R STEEL ENCL. 120/208V AC 3Ø RATED AT 225 AMPS.	1
24	•	X	ABB #ACS401-600-30/2 VARIABLE FREQUENCY DRIVE: 15 HP PUMP	1
25		X	X	–
26	•	A-F1-4	GEFCO CUSTOM STREAM JET SLEEVE CAN: 1/2" NPT. FEM. BOTTOM CONN., 3/4" NPT. FEM. BOTTOM DRAIN CONN.	48
27	•	X	GEFCO SELECT LIGHTING TRANSFORMER: 5 KVA, 120 PRIM., 16/32 SEC.	1
28	•	E-F1-4	GEFCO SELECT EE138-4 DECK BOX: (4) 3/4" NPT. S/T CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.	6
29	•	E-F1-4	GEFCO SELECT EE138-3 DECK BOX: (3) 3/4" NPT. S/T CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.	3
30	•	E-F1-4	GEFCO SELECT EE138-2 DECK BOX: (2) 3/4" NPT. S/T CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.	6
31	•	X	X	–
32	•	E-F1-4	GEFCO SELECT EE137-4 JUNCTION BOX CORD SEALS: 1/2" CONDUIT X 3/4" BOX ENTRY CONN., U.L. LISTED.	45
33		X	UPPER CHANNEL LIGHTS BY DESIGNATED CONTRACTOR (75W, 12V)	33
34		X	LOWER CHANNEL LIGHTS BY DESIGNATED CONTRACTOR (300W, 120V)	12
35		X	X	–
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	PYLON LIGHTS BY DESIGNATED CONTRACTOR (300W, 120V)	6

NOTE:
CONTROL PANEL COMMON TO EACH FOUNTAIN

DISCHARGE, FILL & FILTER RETURN PLAN VIEW

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

1

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.

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS — SCOTT A. JOHNSON — 78656 — REGISTERED PROFESSIONAL ENGINEER

N

0 10' 20' 40'

Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

Drawing Title:

WATER GARDEN DISCHARGE, FILL & FILTER RETURN PLAN

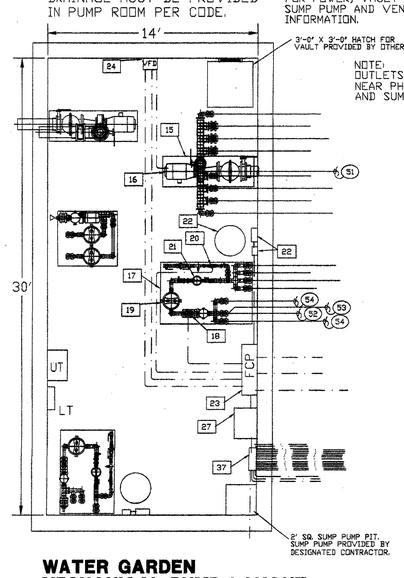
Project No. 14516.00 Scale: AS NOTED
Drawn By:
Checked By:
Approved By:
Date: September 30, 2002

Drawing No.

F1-1

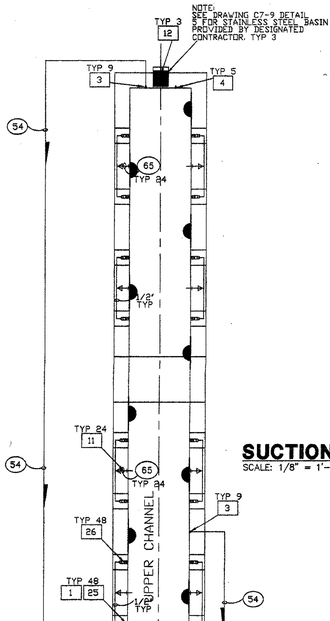
NOTE:
PROPER VENTILATION AND DRAINAGE MUST BE PROVIDED IN PUMP ROOM PER CODE.

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



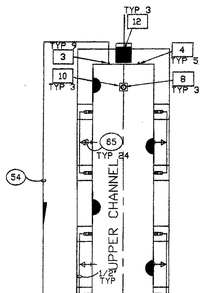
WATER GARDEN MECHANICAL PUMP LAYOUT
SCALE: 1/4" = 1'-0"

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



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

1

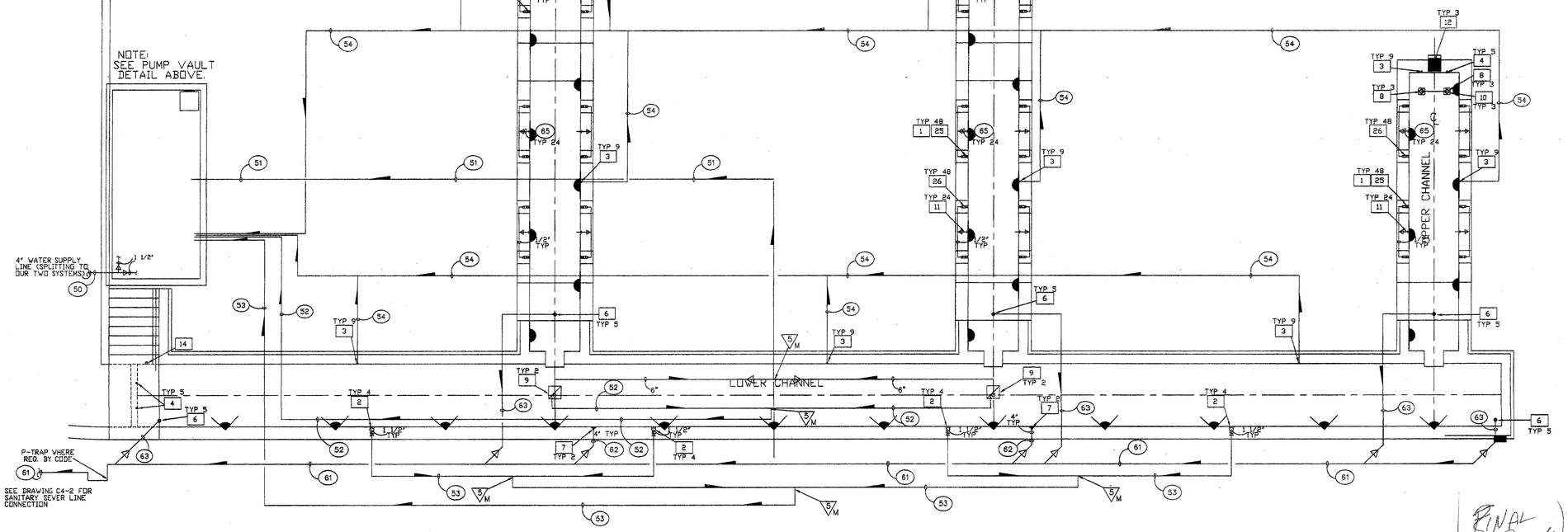


NOTE:
SEE PUMP VAULT DETAIL ABOVE.

4" WATER SUPPLY LINE (SPLITTING TO OUR TWO SYSTEMS)

P-TRAP WHERE REQ. BY CODE.

SEE DRAWING C4-2 FOR SANITARY SEWER LINE CONNECTION



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	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 C4-2) SANITARY	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 3Φ 225A (4#4/0+1#3G)	1
71	1" CONDUIT FROM CONTROL PANEL TO VFD FOR 15HP DISPLAY PUMP (3#6+1#8G) (VIA VFD)	1
72	1/2" CONDUIT FROM CONTROL PANEL TO 3HP FILTER PUMP (3#14+1#8G)	1
73	1/2" CONDUIT FROM CONTROL PANEL TO FILL VALVE (2#14+1#14G)	1
74	3/4" CONDUIT FROM CONTROL PANEL TO WATER LEVEL SENSOR (5#18+1#18G)	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 12V) (4#10+1#10G)	6
77	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHTS 3 X 75W 12V) (2#10+1#10G)	3
78	3/4" CONDUIT FROM CONTROL PANEL TO DECK BOX (LIGHTS 2 X 300W 120V) (2#12+1#12G)	6
79	3/4" CONDUIT FROM CONTROL PANEL TO PYLON LIGHTS BY CONTRACTOR (2 X 300W) (2#12+1#12G)	3
80	1/2" CONDUIT FROM CONTROL PANEL TO PH/ORP EROSION CONTROLLER (2#14+1#14G)	1
81	1" CONDUIT FROM VFD TO 15 HP PUMP (3#6+1#8G)	1
82	1" CONDUIT FROM CONTROL PANEL TO 5 KVA TRANSFORMER (1#6/32 VAC) (3#8+1#8G)	1
83	2" CONDUIT FROM 5 KVA TRANSFORMER TO LIGHTING PANEL (3#4/0+1#3G)	1
84	3/4" CONDUIT FROM LIGHT FIXTURE TO DECK BOX (LIGHT CABLE)	45
85	1/2" CONDUIT FROM CONTROL PANEL TO VFD (5#18+1#18G)	1

ADDISON CIRCLE ARTS (D)
WATER GARDEN
EQUIPMENT LIST

SYM		DETAIL	ITEM DESCRIPTION	
1	•	A-F1-4	GEFCO SELECT #SE108-05 STREAM JET: 3/8" ORIF. SIZE, 1/2" FEMALE NPT. CONN., 10' ADJ.	48
2	•	B-F1-4	GEFCO #PE100-1 SURFACE SKIMMER: 1-1/2" N.P.T. FEMALE CONNECTION.	4
3	•	C-F1-4	GEFCO #PE101 VACUUM FITTING: 2" N.P.S. FEMALE CONNECTION.	9
4	•	D-F1-4	GEFCO #PE102 EYEBALL FITTING: 1" ORIFICE SIZE, 2" N.P.S. FEMALE CONNECTION.	5
5		X	X	--
6	•	F-F1-4	GEFCO SELECT #PE104-4 MAIN POOL DRAIN: 4" FEMALE NPT. CONNECTION.	5
7	•	G-F1-4	GEFCO #PE106-4 WALL NICHE ADJUSTABLE OVERFLOW: 4" MALE CONNECTION.	2
8	•	H-F1-4	GEFCO #PE107 SUMP FOR BALLAST POOLS: 2" NPT.FEM. BOTTOM AND SIDE CONNECTIONS.	3
9	•	J-F1-4	GEFCO #PE108-6-28 SUMP: 6" AND 2" BOTTOM CONNECTION, 24"x 24" STAINLESS STEEL ANTI-VORTEX PLATE.	2
10	•	H-F1-4	GEFCO #PE108E 12" SQ. ANTI-VORTEX PLATE: 12"x 12" STAINLESS STEEL ANTI-VORTEX PLATE.	3
11	•	K-F1-4	GEFCO #PE109-07F SLAB PENETRATION: 3/4" DIA. x 18" LONG SCH. 80 PVC. PIPE W/ PVC. WATERSTOP FLANGE.	24
12	•	L-F1-4	GEFCO #PE109-20 SLAB PENETRATION: 2" DIA. x 18" LONG CPR. TUBE W/ BRS. WATERSTOP FLANGE.	3
13	•	M-F1-4	GEFCO #EE114A ANEMOMETER: 3/4" FEMALE NPT. CONNECTION. (SEE C5-1 FOR LOCATION)	1
14	•	N-F1-4	GEFCO SELECT #EE131B DUAL WATER LEVEL SENSOR: 3/4" NPT. BTM. CONNECTION.	1
15	•	X	GEFCO #SK115 PUMPING SKID: 2'-0" X 4'-0" PAD, FACTORY TESTED AND PREASSEMBLED.	1
16	•	X	GEFCO SELECT #PM212-15 DISPLAY PUMP: 15 HP, 550 GPM AT 80 FH. 208 V. 3Φ 1750 RPM, 60 HZ.	1
17	•	X	GEFCO #SK103-100 PUMPING SKID: 4'-0" X 8'-0" PAD, FACTORY TESTED AND PREASSEMBLED.	1
18	•	X	GEFCO SELECT #PM112 FILTER PUMP: 3 HP., 35 GPM. AT 50 FH., 208V., 3Φ, 3450 RPM, 60HZ.	1
19	•	X	GEFCO SELECT #PM900-150 CARTRIDGE FILTER ASSEMBLY: 150 SQ. FT. FILTER W/ 150 SQ. FT. REPLACEMENT FILTER.	1
20	•	X	GEFCO #PM800-150P WATER CONTROL MANIFOLD: AUTOMATIC FILL/LEVEL CONTROL MANIFOLD, WITH P.R.V.	1
21	•	X	GEFCO SELECT#PM1725 BROMINATOR WITH FLOW INDICATOR: 1-1/2" NPT. CONNECTION.	1
22	•	X	GEFCO SELECT#PM1750PH/ORP EROSION CONTROLLER: 120V AC.	1
23	•	X	GEFCO CUSTOM CONTROL PANEL: NEMA 3R STEEL ENCL. 120/208V AC 3Φ RATED AT 225 AMPS.	1
24	•	X	ABB #ACS401-600-30/2 VARIABLE FREQUENCY DRIVE: 15 HP PUMP	1
25		X	X	--
26	•	A-F1-4	GEFCO CUSTOM STREAM JET SLEEVE CAN: 1/2" NPT. FEM. BOTTOM CONN., 3/4" NPT. FEM. BOTTOM DRAIN CONN.	48
27	•	X	GEFCO SELECT LIGHTING TRANSFORMER: 5 KVA, 120 PRIM., 16/32 SEC.	1
28	•	E-F1-4	GEFCO SELECT EE138-4 DECK BOX: (4) 3/4" NPT. S/T CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.	6
29	•	E-F1-4	GEFCO SELECT EE138-3 DECK BOX: (3) 3/4" NPT. S/T CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.	3
30	•	E-F1-4	GEFCO SELECT EE138-2 DECK BOX: (2) 3/4" NPT. S/T CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.	6
31	•	X	X	--
32	•	E-F1-4	GEFCO SELECT EE137-4 JUNCTION BOX CORD SEALS: 1/2" CONDUIT X 3/4" BOX ENTRY CONN., U.L. LISTED.	45
33		X	UPPER CHANNEL LIGHTS BY DESIGNATED CONTRACTOR (75W, 12V)	33
34		X	LOWER CHANNEL LIGHTS BY DESIGNATED CONTRACTOR (300W, 120V)	12
35		X	X	--
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	PYLON LIGHTS BY DESIGNATED CONTRACTOR (300W, 120V)	6

NOTE:
CONTROL PANEL COMMON TO EACH FOUNTAIN

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.

FINAL REVIEW

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS — 82255 — REGISTERED PROFESSIONAL ENGINEER

N

0 10' 20' 40'

Project Title:
ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

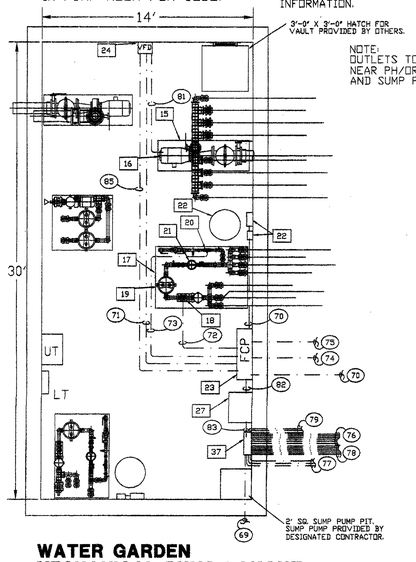
Drawing Title:
WATER GARDEN SUCTION & DRAIN PLAN

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

Drawing No.
F1-2

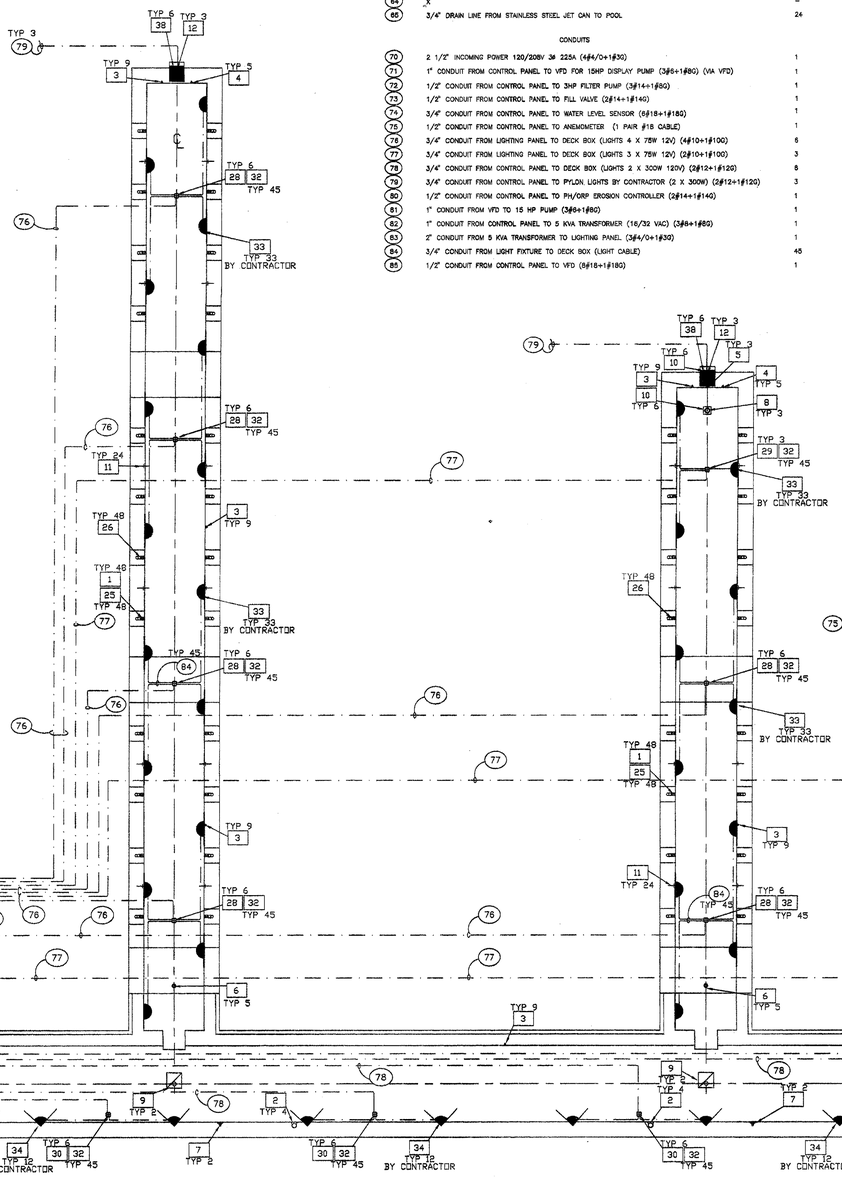
NOTE:
PROPER VENTILATION AND DRAINAGE MUST BE PROVIDED IN PUMP ROOM PER CODE.

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



WATER GARDEN MECHANICAL PUMP LAYOUT

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



ELECTRICAL PLAN VIEW

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

NOTE:
SEE PUMP VAULT DETAIL ABOVE.

NOTE:
CONTROL PANEL COMMON TO EACH FOUNTAIN

NOTE:
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)	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	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 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 3Ø 225A (4#4/0+1#3Ø)	1
71	1" CONDUIT FROM CONTROL PANEL TO VFD FOR 15HP DISPLAY PUMP (3#6+1#8G) (VIA VFD)	1
72	1/2" CONDUIT FROM CONTROL PANEL TO 3HP FILTER PUMP (3#14+1#8G)	1
73	1/2" CONDUIT FROM CONTROL PANEL TO FILL VALVE (2#14+1#14G)	1
74	3/4" CONDUIT FROM CONTROL PANEL TO WATER LEVEL SENSOR (6#18+1#18G)	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 12V) (4#10+1#10G)	6
77	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHTS 3 X 75W 12V) (3#10+1#10G)	3
78	3/4" CONDUIT FROM CONTROL PANEL TO DECK BOX (LIGHTS 2 X 300W 120V) (2#12+1#12G)	6
79	3/4" CONDUIT FROM CONTROL PANEL TO PYLON LIGHTS BY CONTRACTOR (2 X 300W) (2#12+1#12G)	3
80	1/2" CONDUIT FROM CONTROL PANEL TO PH/ORP EROSION CONTROLLER (2#14+1#14G)	1
81	1" CONDUIT FROM VFD TO 15 HP PUMP (3#6+1#8G)	1
82	1" CONDUIT FROM CONTROL PANEL TO 5 KVA TRANSFORMER (16/32 VAC) (3#8+1#8G)	1
83	2" CONDUIT FROM 5 KVA TRANSFORMER TO LIGHTING PANEL (3#4/0+1#3G)	1
84	3/4" CONDUIT FROM LIGHT FIXTURE TO DECK BOX (LIGHT CABLE)	45
85	1/2" CONDUIT FROM CONTROL PANEL TO VFD (3#18+1#18G)	1

ADDISON CIRCLE ARTS (D)

WATER GARDEN

EQUIPMENT LIST

SYMB		DETAIL	ITEM DESCRIPTION	
1	*	A-F1-4	GEFCO SELECT #SE105-05 STREAM JET: 3/8" ORIF. SIZE, 1/2" FEMALE NPT. CONN., 10' ADJ.	48
2	*	B-F1-4	GEFCO #PE100-1 SURFACE SKIMMER: 1-1/2" N.P.T. FEMALE CONNECTION.	4
3	*	C-F1-4	GEFCO #PE101 VACUUM FITTING: 2" N.P.S. FEMALE CONNECTION.	9
4	*	D-F1-4	GEFCO #PE102 EYEBALL FITTING: 1" ORIFICE SIZE, 2" N.P.S. FEMALE CONNECTION.	5
5	X		X	–
6	*	F-F1-4	GEFCO SELECT #PE104-4 MAIN POOL DRAIN: 4" FEMALE NPT. CONNECTION.	5
7	*	G-F1-4	GEFCO #PE105-4 WALL NICHE ADJUSTABLE OVERFLOW: 4" MALE CONNECTION.	2
8	*	H-F1-4	GEFCO #PE107 SUMP FOR BALLAST POOLS: 2" NPT.FEM. BOTTOM AND SIDE CONNECTIONS.	3
9	*	J-F1-4	GEFCO #PE108-6-2B SUMP: 6" AND 2" BOTTOM CONNECTION, 24"x 24" STAINLESS STEEL ANTI-VORTEX PLATE.	2
10	*	H-F1-4	GEFCO #PE108E 12" SQ. ANTI-VORTEX PLATE: 12"x 12" STAINLESS STEEL ANTI-VORTEX PLATE.	3
11	*	K-F1-4	GEFCO #PE109-07P SLAB PENETRATION: 3/4" DIA. x 15" LONG SCH. 80 PVC. PIPE W/ PVC. WATERSTOP FLANGE.	24
12	*	L-F1-4	GEFCO #PE109-20 SLAB PENETRATION: 2" DIA. x 15" LONG CPR. TUBE W/ BRS. WATERSTOP FLANGE.	3
13	*	M-F1-4	GEFCO #EE114A ANEMOMETER: 3/4" FEMALE NPT. CONNECTION. (SEE C5-1 FOR LOCATION)	1
14	*	N-F1-4	GEFCO SELECT #EE131B DUAL WATER LEVEL SENSOR: 3/4" NPT. BTM. CONNECTION.	1
15	*	X	GEFCO #SK115 PUMPING SKID: 2'-0" X 4'-0" PAD, FACTORY TESTED AND PREASSEMBLED.	1
16	*	X	GEFCO SELECT #PM212-15 DISPLAY PUMP: 15 HP, 55G GPM AT 60 FH. 208 V. 3Ø 1750 RPM, 60 HZ.	1
17	*	X	GEFCO #SK103-100 PUMPING SKID: 4'-0" X 6'-0" PAD, FACTORY TESTED AND PREASSEMBLED.	1
18	*	X	GEFCO SELECT #PM112 FILTER PUMP: 3 HP., 35 GPM. AT 50 FH., 208V., 3Ø, 3450 RPM, 60HZ.	1
19	*	X	GEFCO SELECT #PM900-150 CARTRIDGE FILTER ASSEMBLY: 150 SQ. FT. FILTER W/ 150 SQ. FT. REPLACEMENT FILTER.	1
20	*	X	GEFCO #PM800-15SP WATER CONTROL MANIFOLD: AUTOMATIC FILL/LEVEL CONTROL MANIFOLD, WITH P.R.V.	1
21	*	X	GEFCO SELECT#PM172S BROMINATOR WITH FLOW INDICATOR: 1-1/2" NPT. CONNECTION.	1
22	*	X	GEFCO SELECT#PM1750PH/ORP EROSION CONTROLLER: 120V AC.	1
23	*	X	GEFCO CUSTOM CONTROL PANEL: NEMA 3R STEEL ENCL. 120/208V AC 3Ø RATED AT 225 AMPS.	1
24	*	X	ABB #ACS401-600-30/2 VARIABLE FREQUENCY DRIVE: 15 HP PUMP	1
25		X	X	–
26	*	A-F1-4	GEFCO CUSTOM STREAM JET SLEEVE CAN: 1/2" NPT. FEM. BOTTOM CONN., 3/4" NPT. FEM. BOTTOM DRAIN CONN.	48
27	*	X	GEFCO SELECT LIGHTING TRANSFORMER: 5 KVA. 120 PRM., 16/32 SEC.	1
28	*	E-F1-4	GEFCO SELECT EE138-4 DECK BOX: (4) 3/4" NPT. S/T CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.	6
29	*	E-F1-4	GEFCO SELECT EE138-3 DECK BOX: (3) 3/4" NPT. S/T CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.	3
30	*	E-F1-4	GEFCO SELECT EE138-2 DECK BOX: (2) 3/4" NPT. S/T CONNECTION, (1) NPT. SIDE CONDUIT CONNECTION.	6
31	*	X	X	–
32	*	E-F1-4	GEFCO SELECT EE137-4 JUNCTION BOX CORD SEALS: 1/2" CONDUIT X 3/4" BOX ENTRY CONN., U.L. LISTED.	45
33		X	UPPER CHANNEL LIGHTS BY DESIGNATED CONTRACTOR (75W, 12V)	33
34		X	LOWER CHANNEL LIGHTS BY DESIGNATED CONTRACTOR (300W, 120V)	12
35		X	X	–
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	PYLON LIGHTS BY DESIGNATED CONTRACTOR (300W, 120V)	6

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS — BRIAN E. NELSON — 78285 — REGISTERED PROFESSIONAL ENGINEER

N

0 10' 20' 40'

Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

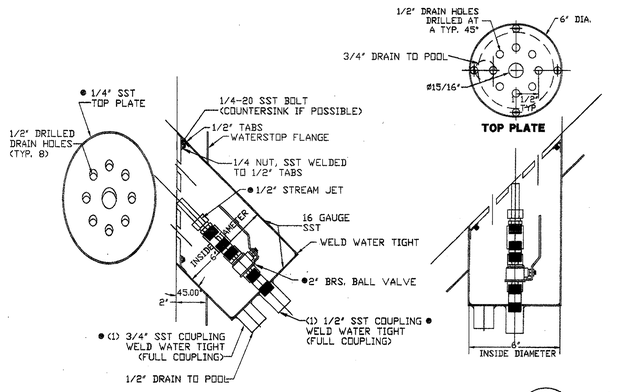
Drawing Title:

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

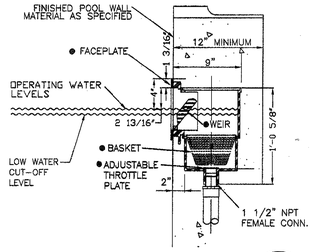


JET SLEEVE CAN & STREAM JET

SCALE: 3"=1'-0"

A F1-4

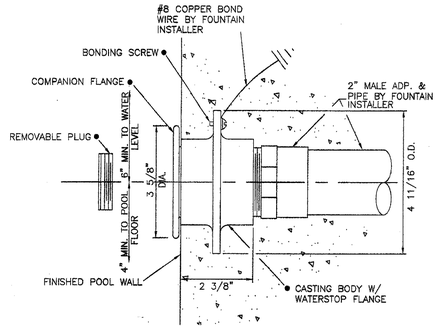
1



SURFACE SKIMMER

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

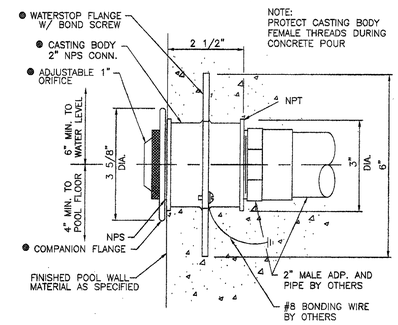
B F1-4



VACUUM FITTING

SCALE: 1/2" = 1"

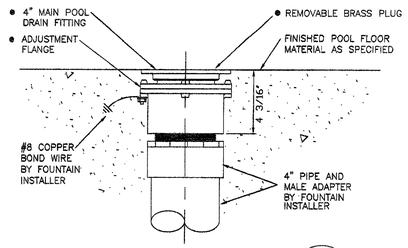
C F1-4



EYEBALL FITTING

SCALE: 1/2" = 1"

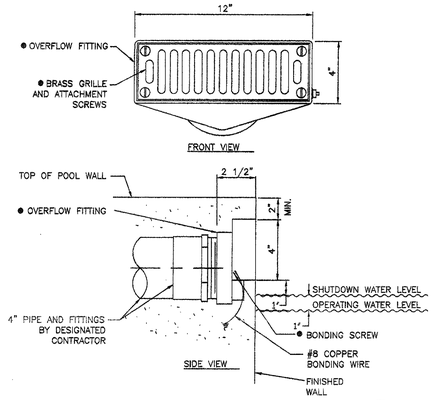
D F1-4



MAIN POOL DRAIN

SCALE: 3" = 1'-0"

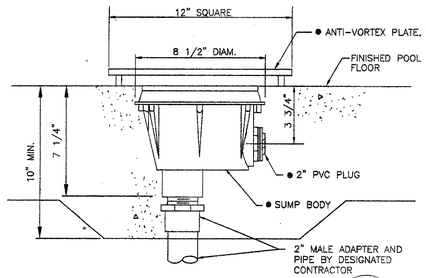
F F1-4



4" NICHE OVERFLOW FITTING

SCALE: 3" = 1'-0"

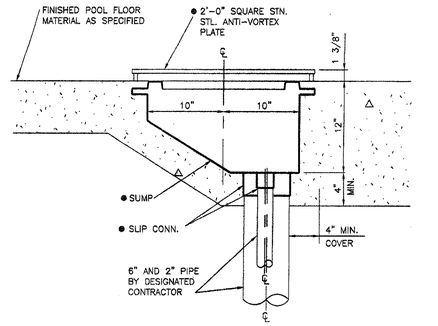
G F1-4



SMALL SUMP

SCALE: 3" = 1'-0"

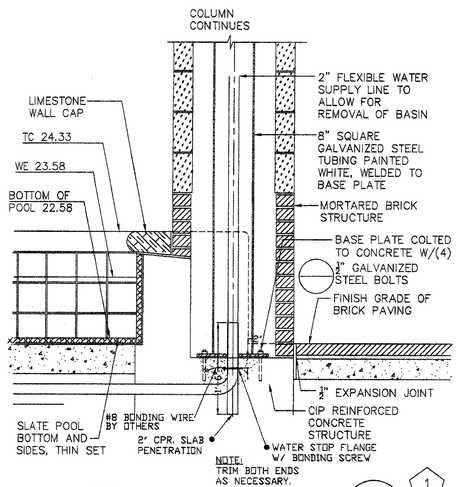
H F1-4



ABS SUCTION SUMP

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

J F1-4

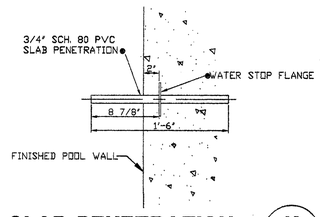


SLAB PENETRATION

SCALE: 3" = 1'-0"

L F1-4

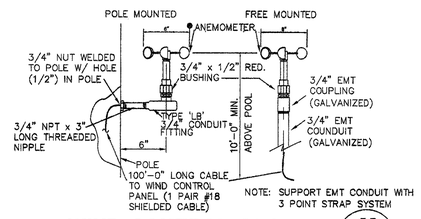
1



SLAB PENETRATION

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

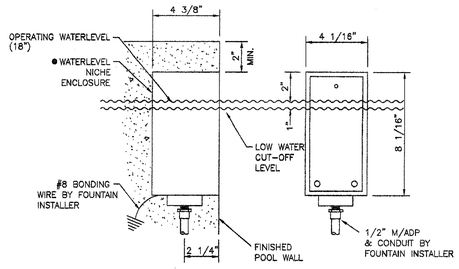
K F1-4



WIND CONTROL SYSTEM

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

M F1-4



WATER LEVEL SENSOR

SCALE: 3" = 1'-0"

N F1-4

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No.	Description	Date
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DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS — DANIEL E. CARLSON — 76251 — REGISTERED PROFESSIONAL ENGINEER

N

0 10' 20' 40'

Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

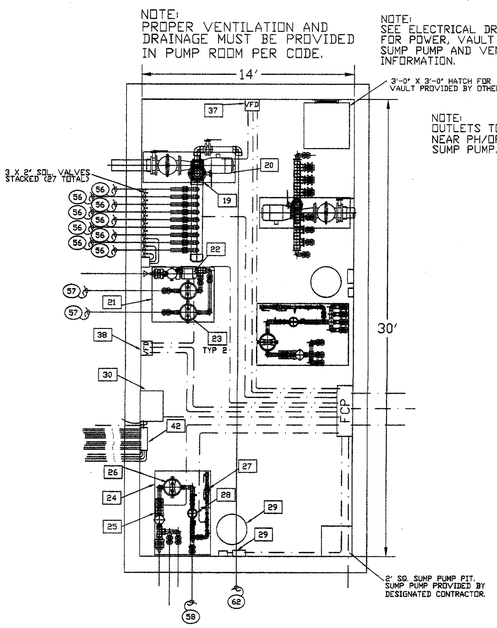
Drawing Title:

WATER GARDEN FOUNTAIN DETAILS

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

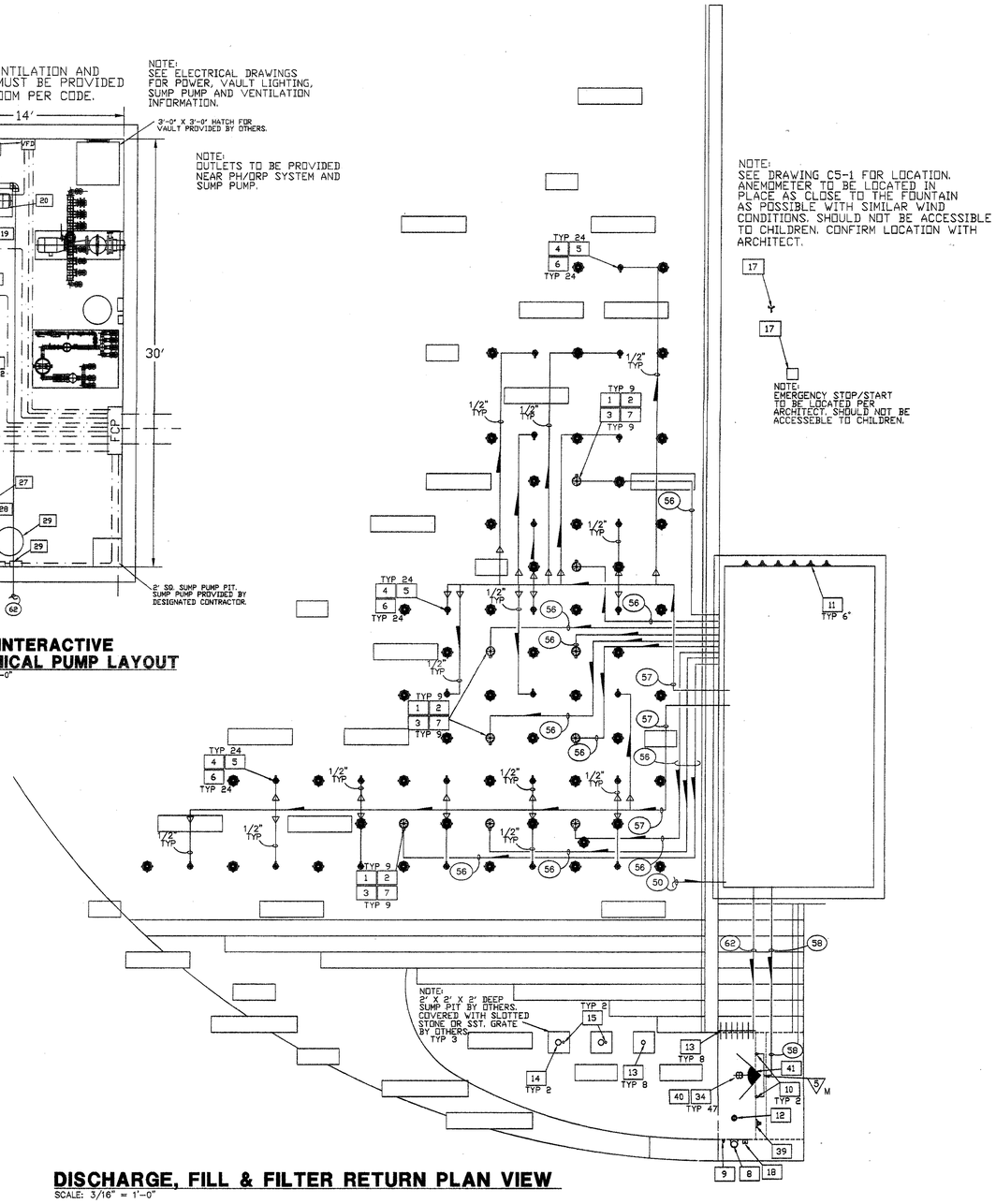
Drawing No.

F1-4



PLAZA INTERACTIVE MECHANICAL PUMP LAYOUT

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



DISCHARGE, FILL & FILTER RETURN PLAN VIEW

SCALE: 3/16" = 1'-0"

ADDISON CIRCLE ARTS (D)

PLAZA INTERACTIVE MIST AND JET WATER FEATURE

EQUIPMENT LIST

SYMB		DETAIL	ITEM DESCRIPTION	
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"-O-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	•	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" ORIFICE SIZE, 2" N.P.S. FEMALE CONNECTION.	2
11	•	F-F2-5	GEFCO #PE105-4 WALL NICHE AIR VENTS: 4" FEMALE NPT. CONNECTION.	8
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, 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 #PM113 FILTER PUMP: 3 HP., 120 GPM. AT 55 FH., 208V., 3ø, 3450 RPM, 60HZ.	1
23	•	X	GEFCO SELECT #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 55 FH., 208V., 3ø, 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#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 CORD SEALS: 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, 3ø, FOR 15 HP PUMP.	1
38	•	X	ABB #ACS401-600-30/2 VARIABLE FREQUENCY DRIVE: 208V, 3ø, 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 3ø 225A (4#4/0+1#3G)	1
71	1" CONDUIT FROM CONTROL PANEL TO VFD FOR 15HP DISPLAY PUMP (3#6+1#8G) (VIA VFD)	1
72	3/4" CONDUIT FROM CONTROL PANEL TO VFD FOR 3HP L SERIES FILTER PUMP (3#12+1#8G) (VIA VFD)	1
73	1/2" CONDUIT FROM CONTROL PANEL TO 3HP A SERIES FILTER PUMP (3#14+1#8G)	1
74	1/2" CONDUIT FROM CONTROL PANEL TO FILL VALVE (2#18+1#18G)	1
75	3/4" CONDUIT FROM CONTROL PANEL TO WATER LEVEL SENSOR (6#18+1#18G)	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#10G)	5
78	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHTS 3 X 75W) (2#10+1#10G)	6
79	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHTS 2 X 75W) (2#10+1#10G)	4
80	1" CONDUIT FROM VFD TO 15HP DISPLAY PUMP (3#6+1#6G)	1
81	3/4" CONDUIT FROM VFD TO 3HP L SERIES FILTER PUMP (3#12+1#8G)	1
82	1/2" CONDUIT FROM CONTROL PANEL TO PH/ORP EROSION CONTROLLER (2#14+1#14G)	1
83	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHT BY OTHERS) (1 X 300W) (2#10+1#10G)	1
84	3/4" CONDUIT FROM LIGHT FIXTURE TO DECK BOX (LIGHT CABLE)	47
85	1/2" CONDUIT FROM CONTROL PANEL TO VFD (8#18+1#18G)	2
86	3/4" CONDUIT FROM CONTROL PANEL TO E/STOP/START/STOP STATION (8#18+1#18G)	1
87	1/2" CONDUIT FROM PULL BOXES TO CONTROL VALVES (2#18)	27
88	1" CONDUIT FROM CONTROL PANEL TO VALVE PULL BOXES (18#18+1#18G)	3
89	1/2" CONDUIT FROM VFD TO PRESSURE SENSOR ON 15HP PUMP MANIFOLD (1 PAIR #18 GUAGE SHIELDED CABLE)	1
90	1" CONDUIT FROM CONTROL PANEL TO 5 KVA TRANSFORMER (3#8+1#8G)	1
91	2" CONDUIT FROM 5 KVA TRANSFORMER TO LIGHTING PANEL (3#4/0+1#3G)	1

NOTE:
CONTROL PANEL COMMON TO EACH FOUNTAIN

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS — ERIC L. HOUSE — 79565 — LICENSED PROFESSIONAL ENGINEER

N

0 10' 20' 40'

Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

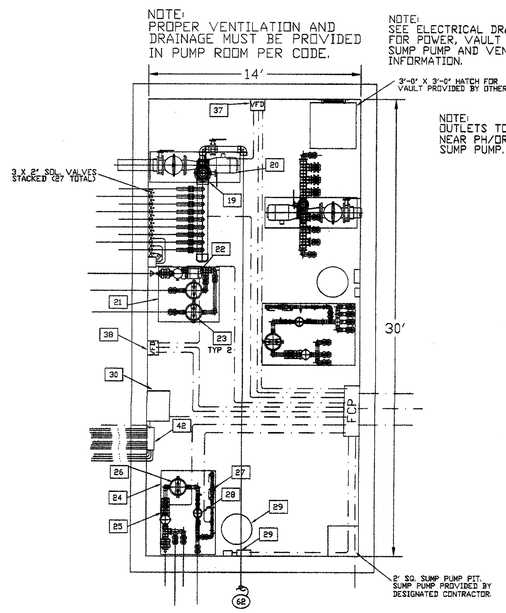
Drawing Title:

PLAZA FOUNTAIN DISCHARGE, FILL & FILTER PLAN

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

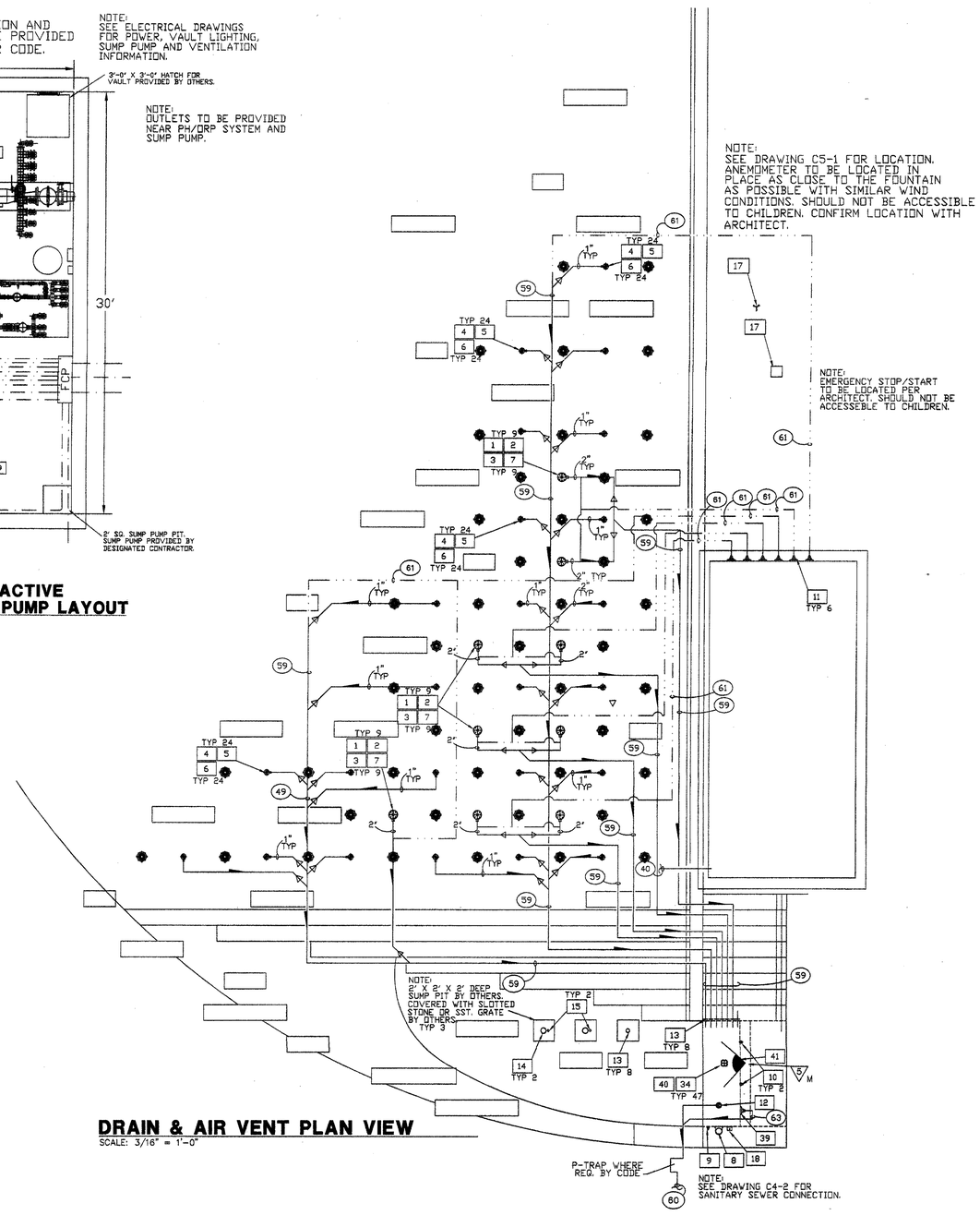
Drawing No.

F2-1



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

SYMB		DETAIL	ITEM DESCRIPTION	
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"-O-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	•	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" 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 #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 #EE1318 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 8'-0" PAD, FACTORY TESTED AND PREASSEMBLED.	1
22	•	X	GEFCO SELECT #PM113 FILTER PUMP: 3 HP., 120 GPM. AT 55 FH., 208V., 3ø, 3450 RPM, 60HZ.	1
23	•	X	GEFCO SELECT #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 8'-0" PAD, FACTORY TESTED AND PREASSEMBLED.	1
25	•	X	GEFCO SELECT #PM112 FILTER PUMP: 3 HP., 100 GPM. AT 55 FH., 208V., 3ø, 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#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 CORD SEALS: 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, 3ø, FOR 15 HP PUMP.	1
38	•	X	ABB #ACS401-600-30/2 VARIABLE FREQUENCY DRIVE: 208V, 3ø, 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 3ø 225A (4#4/0+1#3G)	1
71	1" CONDUIT FROM CONTROL PANEL TO VFD FOR 15HP DISPLAY PUMP (3#6+1#8G) (VIA VFD)	1
72	3/4" CONDUIT FROM CONTROL PANEL TO VFD FOR 3HP L SERIES FILTER PUMP (3#12+1#8G) (VIA VFD)	1
73	1/2" CONDUIT FROM CONTROL PANEL TO 3HP A SERIES FILTER PUMP (3#14+1#8G)	1
74	1/2" CONDUIT FROM CONTROL PANEL TO FILL VALVE (2#18+1#18G)	1
75	3/4" CONDUIT FROM CONTROL PANEL TO WATER LEVEL SENSOR (6#18+1#18G)	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#10G)	5
78	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHTS 3 X 75W) (2#10+1#10G)	6
79	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHTS 2 X 75W) (2#10+1#10G)	4
80	1" CONDUIT FROM VFD TO 15HP DISPLAY PUMP (3#6+1#6G)	1
81	3/4" CONDUIT FROM VFD TO 3HP L SERIES FILTER PUMP (3#12+1#8G)	1
82	1/2" CONDUIT FROM CONTROL PANEL TO PH/ORP EROSION CONTROLLER (2#14+1#14G)	1
83	3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHT BY OTHERS) (1 X 300W) (2#10+1#10G)	1
84	3/4" CONDUIT FROM LIGHT FIXTURE TO DECK BOX (LIGHT CABLE)	47
85	1/2" CONDUIT FROM CONTROL PANEL TO VFD (6#18+1#18G)	2
86	3/4" CONDUIT FROM CONTROL PANEL TO E/STOP/START/STOP STATION (6#18+1#18G)	1
87	1/2" CONDUIT FROM PULL BOXES TO CONTROL VALVES (2#16)	27
88	1" CONDUIT FROM CONTROL PANEL TO VALVE PULL BOXES (18#18+1#18G)	3
89	1/2" CONDUIT FROM VFD TO PRESSURE SENSOR ON 15HP PUMP MANIFOLD (1 PAIR #18 GUAGE SHIELDED CABLE)	1
90	1" CONDUIT FROM CONTROL PANEL TO 5 KVA TRANSFORMER (3#6+1#6G)	1
91	2" CONDUIT FROM 5 KVA TRANSFORMER TO LIGHTING PANEL (3#4/0+1#3G)	1

NOTE:
CONTROL PANEL COMMON TO EACH FOUNTAIN

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS — KEITH A. CARLSON — 76255 — REGISTERED PROFESSIONAL ENGINEER

N

0 10' 20' 40'

Project Title:

ADDISON ARTS & EVENTS DISTRICT

ADDISON, TEXAS

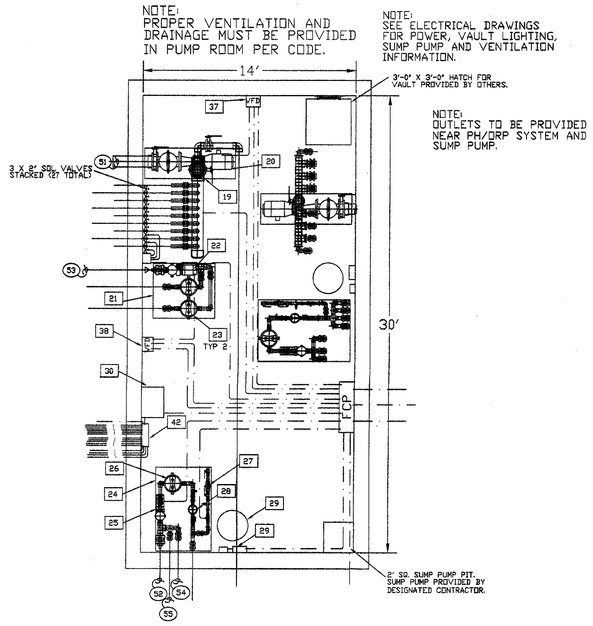
Drawing Title:

PLAZA FOUNTAIN DRAINAGE & AIR VENT PLAN

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

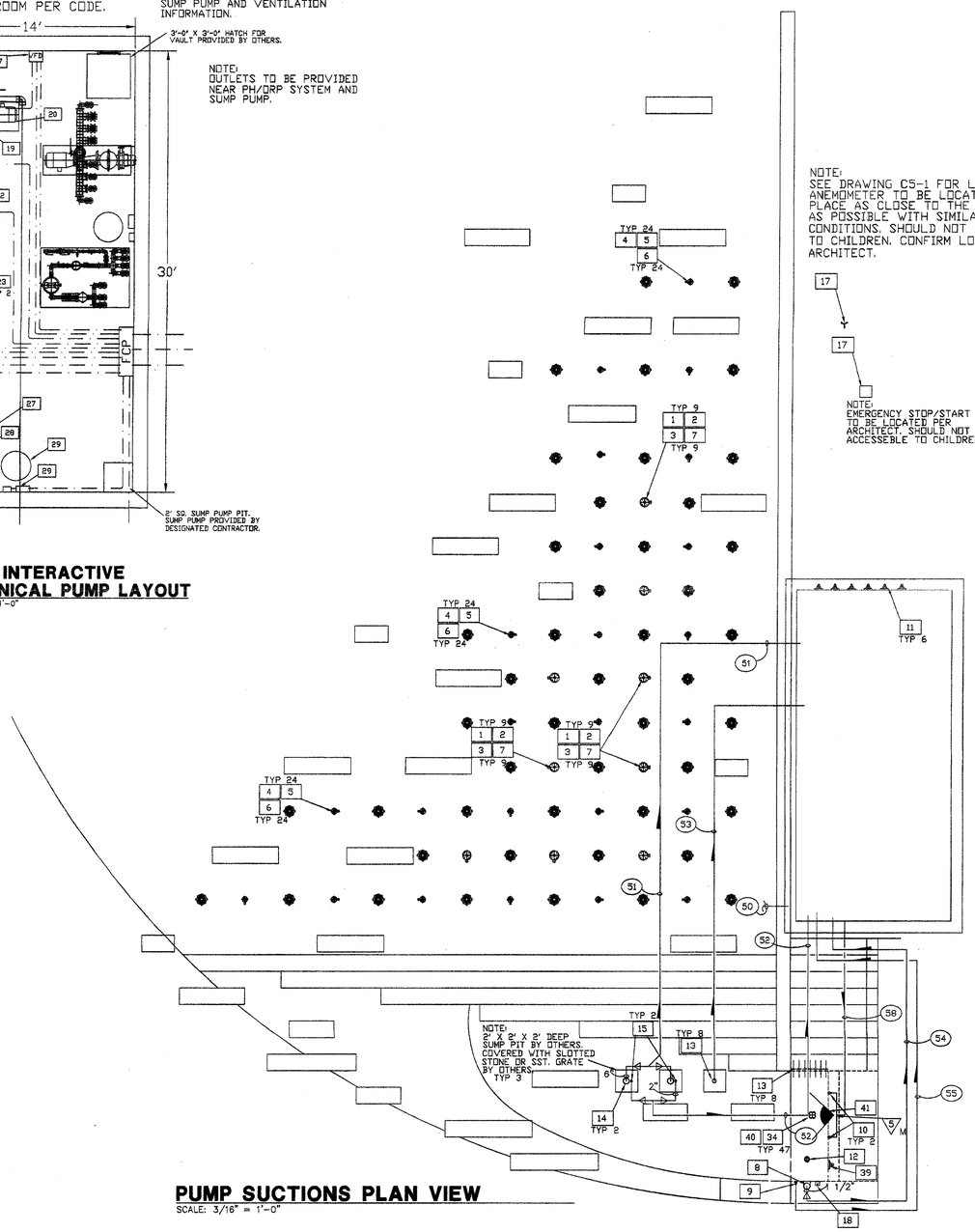
Drawing No.

F2-2



PLAZA INTERACTIVE MECHANICAL PUMP LAYOUT

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



PUMP SUCTIONS PLAN VIEW

SCALE: 3/16" = 1'-0"

ADDISON CIRCLE ARTS (D)

PLAZA INTERACTIVE MIST AND JET WATER FEATURE

EQUIPMENT LIST

SYMB		DETAIL	ITEM DESCRIPTION	
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"-0-35W 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	•	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" 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 #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, 654 GPM AT 70 FH, 208 V. 3ø 1750 RPM, 60 HZ.	1
21	•	X	GEFCO #SK103-20D 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 55 FH., 208V., 3ø, 3450 RPM, 60HZ.	1
23	•	X	GEFCO SELECT #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 8'-0" PAD, FACTORY TESTED AND PREASSEMBLED.	1
25	•	X	GEFCO SELECT #PM112 FILTER PUMP: 3 HP., 100 GPM, AT 55 FH., 208V., 3ø, 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#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 CORD SEALS: 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, 3ø, FOR 15 HP PUMP.	1
38	•	X	ABB #ACS401-600-30/2 VARIABLE FREQUENCY DRIVE: 208V, 3ø, 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 3ø 225A (4#4/0+1#3G)	1
71			1" CONDUIT FROM CONTROL PANEL TO VFD FOR 15HP DISPLAY PUMP (3#6+1#8G) (VIA VFD)	1
72			3/4" CONDUIT FROM CONTROL PANEL TO VFD FOR 3HP L SERIES FILTER PUMP (3#12+1#8G) (VIA VFD)	1
73			1/2" CONDUIT FROM CONTROL PANEL TO 3HP A SERIES FILTER PUMP (3#14+1#8G)	1
74			1/2" CONDUIT FROM CONTROL PANEL TO FILL VALVE (2#18+1#18G)	1
75			3/4" CONDUIT FROM CONTROL PANEL TO WATER LEVEL SENSOR (6#18+1#18G)	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#10G)	5
78			3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHTS 3 X 75W) (2#10+1#10G)	6
79			3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHTS 2 X 75W) (2#10+1#10G)	4
80			1" CONDUIT FROM VFD TO 15HP DISPLAY PUMP (3#6+1#8G)	1
81			3/4" CONDUIT FROM VFD TO 3HP L SERIES FILTER PUMP (3#12+1#8G)	1
82			1/2" CONDUIT FROM CONTROL PANEL TO PH/ORP EROSION CONTROLLER (2#14+1#14G)	1
83			3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHT BY OTHERS) (1 X 300W) (2#10+1#10G)	1
84			3/4" CONDUIT FROM LIGHT FIXTURE TO DECK BOX (LIGHT CABLE)	47
85			1/2" CONDUIT FROM CONTROL PANEL TO VFD (8#18+1#18G)	2
86			3/4" CONDUIT FROM CONTROL PANEL TO E/STOP/START/STOP STATION (8#18+1#18G)	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#18G)	3
89			1/2" CONDUIT FROM VFD TO PRESSURE SENSOR ON 15HP PUMP MANIFOLD (1 PAIR #18 GUAGE SHIELDED CABLE)	1
90			1" CONDUIT FROM CONTROL PANEL TO 5 KVA TRANSFORMER (3#8+1#8G)	1
#1			2" CONDUIT FROM 5 KVA TRANSFORMER TO LIGHTING PANEL (3#4/0+1#3G)	1

NOTE:
CONTROL PANEL COMMON TO EACH FOUNTAIN

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

DWG ISSUE & REVISION HISTORY

Stamp

Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

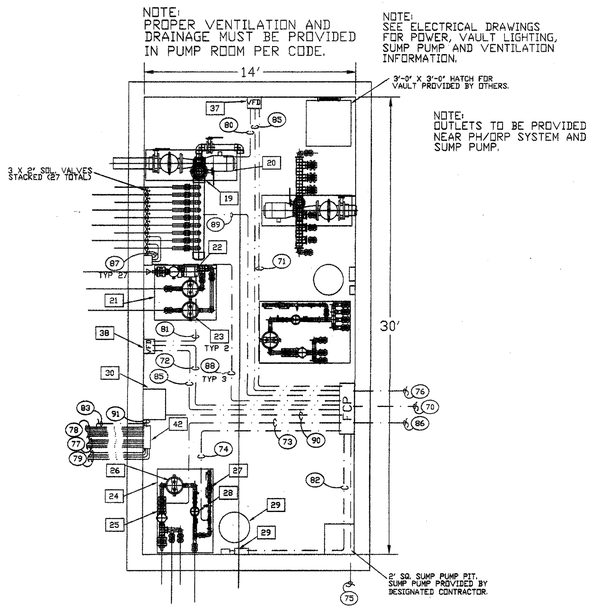
Drawing Title:

PLAZA FOUNTAIN PUMP SUCTIONS PLAN

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

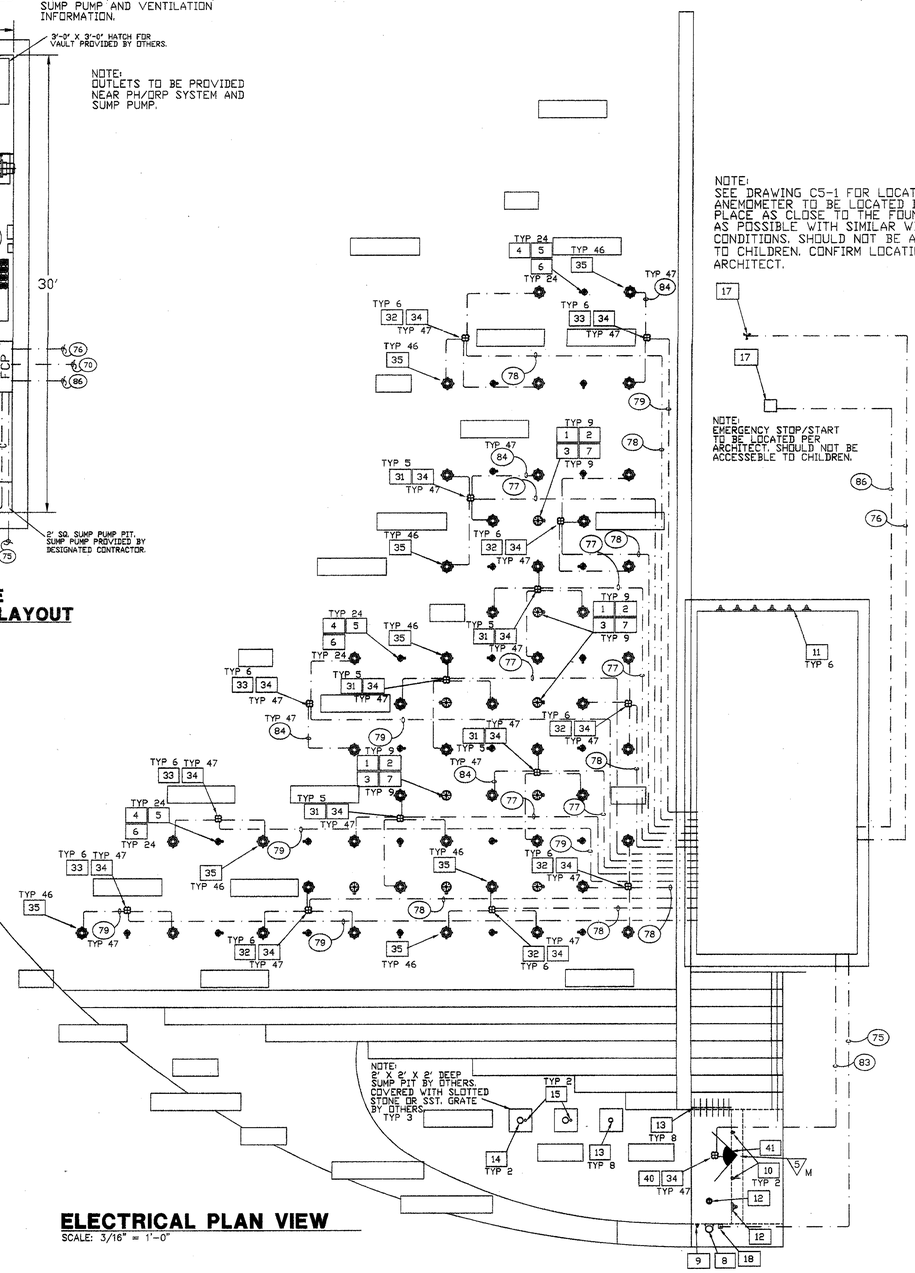
Drawing No.

F2-3



PLAZA INTERACTIVE MECHANICAL PUMP LAYOUT

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



ELECTRICAL PLAN VIEW

SCALE: 3/16" = 1'-0"

ADDISON CIRCLE ARTS (D)

PLAZA INTERACTIVE MIST AND JET WATER FEATURE

EQUIPMENT LIST

SYMB		DETAIL	ITEM DESCRIPTION	
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	•	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" 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 #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, 654 GPM AT 70 FH, 208 V. 3Ø 1750 RPM, 80 HZ.	1
21	•	X	GEFCO #SK103-200 PUMPING SKID: 4'-0" X 8'-0" PAD, FACTORY TESTED AND PREASSEMBLED.	1
22	•	X	GEFCO SELECT #PM113 FILTER PUMP: 3 HP., 120 GPM. AT 55 FH., 208V., 3Ø, 3450 RPM, 60HZ.	1
23	•	X	GEFCO SELECT #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 8'-0" PAD, FACTORY TESTED AND PREASSEMBLED.	1
25	•	X	GEFCO SELECT #PM112 FILTER PUMP: 3 HP., 100 GPM. AT 55 FH., 208V., 3Ø, 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 #PM800-1S 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 CORD SEALS: 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, 3Ø, FOR 15 HP PUMP.	1
38	•	X	ABB #ACS401-600-30/2 VARIABLE FREQUENCY DRIVE: 208V, 3Ø, 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 120/208Y 3Ø 225A (4#4/0+1#3G)	1
71			1" CONDUIT FROM CONTROL PANEL TO VFD FOR 15HP DISPLAY PUMP (3#6+1#8G) (VIA VFD)	1
72			3/4" CONDUIT FROM CONTROL PANEL TO VFD FOR 3HP L SERIES FILTER PUMP (3#12+1#8G) (VIA VFD)	1
73			1/2" CONDUIT FROM CONTROL PANEL TO 3HP A SERIES FILTER PUMP (3#14+1#8G)	1
74			1/2" CONDUIT FROM CONTROL PANEL TO FILL VALVE (2#18+1#18G)	1
75			3/4" CONDUIT FROM CONTROL PANEL TO WATER LEVEL SENSOR (8#18+1#18G)	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#10G)	5
78			3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHTS 3 X 75W) (2#10+1#10G)	6
79			3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHTS 2 X 75W) (2#10+1#10G)	4
80			1" CONDUIT FROM VFD TO 15HP DISPLAY PUMP (3#6+1#6G)	1
81			3/4" CONDUIT FROM VFD TO 3HP L SERIES FILTER PUMP (3#12+1#8G)	1
82			1/2" CONDUIT FROM CONTROL PANEL TO PH/ORP EROSION CONTROLLER (2#14+1#14G)	1
83			3/4" CONDUIT FROM LIGHTING PANEL TO DECK BOX (LIGHT BY OTHERS) (1 X 300W) (2#10+1#10G)	1
84			3/4" CONDUIT FROM LIGHT FIXTURE TO DECK BOX (LIGHT CABLE)	47
85			1/2" CONDUIT FROM CONTROL PANEL TO VFD (8#18+1#18G)	2
86			3/4" CONDUIT FROM CONTROL PANEL TO E/STOP/START/STOP STATION (8#18+1#18G)	1
87			1/2" CONDUIT FROM PULL BOXES TO CONTROL VALVES (2#18)	27
88			1" CONDUIT FROM CONTROL PANEL TO VALVE PULL BOXES (18#18+1#18G)	3
89			1/2" CONDUIT FROM VFD TO PRESSURE SENSOR ON 15HP PUMP MANIFOLD (1 PAIR #18 GUAGE SHIELDED CABLE)	1
90			1" CONDUIT FROM CONTROL PANEL TO 5 KVA TRANSFORMER (3#8+1#8G)	1
91			2" CONDUIT FROM 5 KVA TRANSFORMER TO LIGHTING PANEL (3#4/0+1#3G)	1

NOTE:
CONTROL PANEL COMMON TO EACH FOUNTAIN

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

DWG ISSUE & REVISION HISTORY

Stamp

Project Title:

ADDISON ARTS & EVENTS DISTRICT

ADDISON, TEXAS

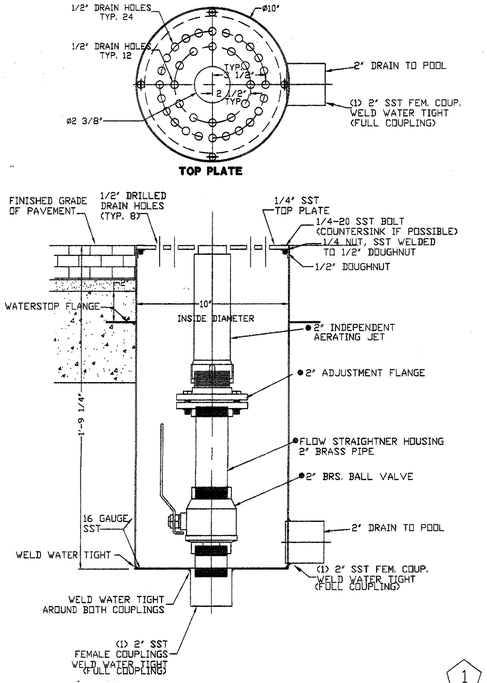
Drawing Title:

PLAZA FOUNTAIN ELECTRICAL PLAN

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

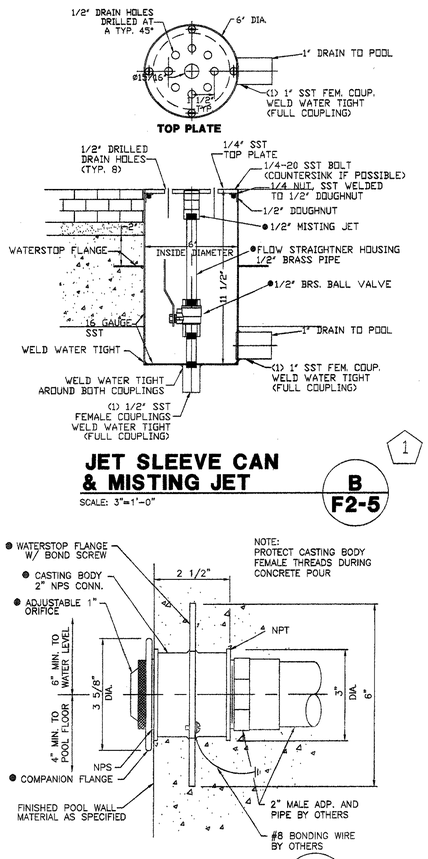
Drawing No.

F2-4



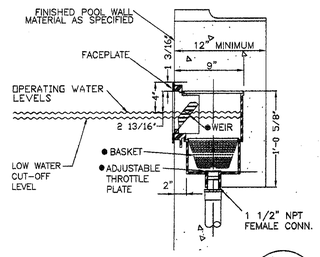
JET SLEEVE CAN & INDEPENDENT AERATING JET — A — F2-5

SCALE: 3"=1'-0"



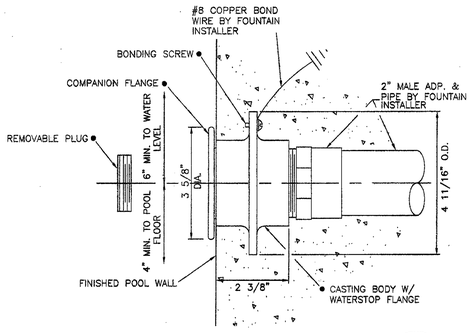
JET SLEEVE CAN & MISTING JET — B — F2-5

SCALE: 3"=1'-0"



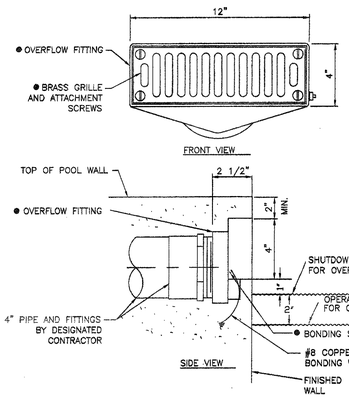
SURFACE SKIMMER — C — F2-5

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



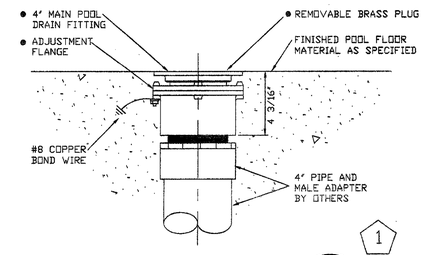
VACUUM FITTING — D — F2-5

SCALE: 1/2" = 1"



4" NICHE VENT & OVERFLOW FITTING — F — F2-5

SCALE: 3" = 1'-0"

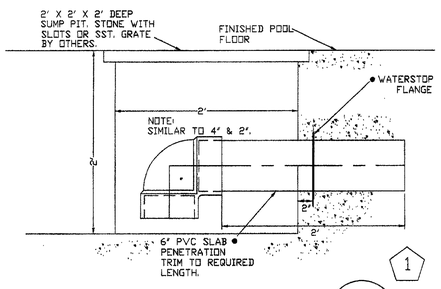


MAIN POOL DRAIN — G — F2-5

SCALE: 3" = 1'-0"

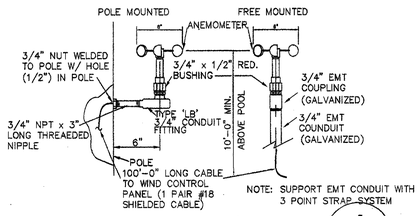
EYEBALL FITTING — E — F2-5

SCALE: 1/2" = 1"



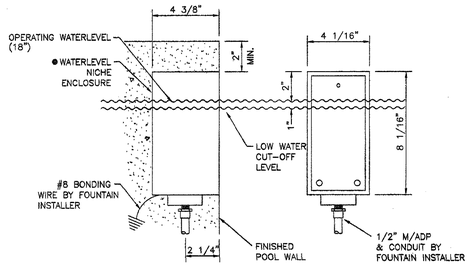
6" SLAB PENETRATION — H — F2-5

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



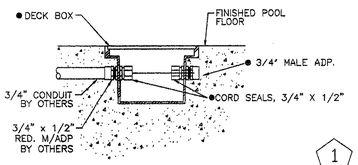
WIND CONTROL SYSTEM — J — F2-5

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



WATER LEVEL SENSOR — K — F2-5

SCALE: 3" = 1'-0"



SUBMER. DECK BOX — L — F2-5

SCALE: 3" = 1'-0"

SASAKI
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GEORGIA FOUNTAIN COMPANY, INC.
2513 ROYAL PLACE; TUCKER, GA 30084 USA
TEL.: USA+ (770) 934-3297 FAX.: (770) 934-8770

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF GEORGIA — DANIELA CARLSON — 79255 — REGISTERED PROFESSIONAL ENGINEER

N

0 10' 20' 40'

Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

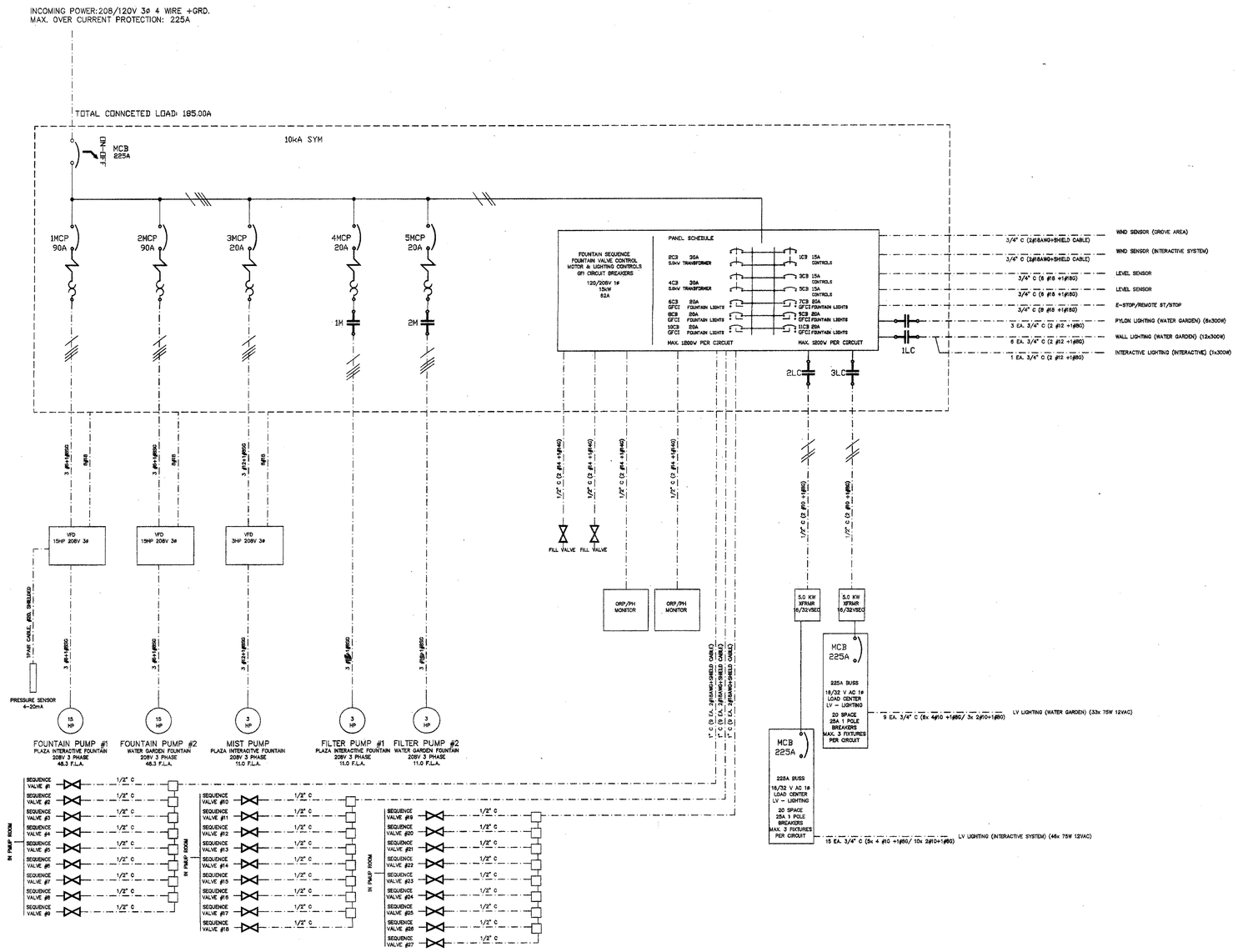
Drawing Title:

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



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PHONE: (770) 934-3297 FAX: (770) 934-9770
WEB ADDRESS: http://www.georgia-fountain.com

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS
MARK A. CARLSON
76255
REGISTERED
PROFESSIONAL ENGINEER

N

0 10' 20' 40'

Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

Drawing Title:

WATER GARDEN & PLAZA FOUNTAIN ELECTRICAL DIAGRAM

Project No. 14516.00 Scale: NONE
Drawn By: JAL
Checked By: MSF
Approved By:
Date: September 30, 2002

Drawing No.

FE1-1

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

21 LO
9 YH
18 YH
12 SO
6 JFC
8 CP
12 CE
3 BO
50 DBH
6 / C7-5 ELECTRICAL PANELS MOUNTED ON (1) 8'-0" FENCE SECTION, SEE ALSO DWG. E1-1
TREE LAWN
STEEL EDGING
MATCH LINE
2 CO
4 SM
6 / C6-1 STEEL EDGING AROUND VINE PLANTING POCKETS, TYP.
5 SO
THE ELLIPSE
CENTRAL LAWN
8 CE
9 CP
7 CP
5 OR
8 SO
9 SM
2 BO
9 EN
GROVE
5 EN
6 OR
12 YH
MAIN STAGE
STEEL EDGING
HC RAMP 1:12
CLARA STREET
11 YH
8 YH
23 CO
3 LBR
800 AJ
FESTIVAL WAY
2" MULCH BED BETWEEN EDGE OF SIDEWALK AND FENCE
8 LBR
4 LBR
46 C
22 SO
MATCH LINE
LIMIT OF WORK

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

DWG ISSUE & REVISION HISTORY

Stamp
STATE OF TEXAS
MARK D. DAWSON
1590
REGISTERED LANDSCAPE ARCHITECT
10/21/02

N
0 10' 20' 40'

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

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

ADDISON CIRCLE DRIVE

282 AJ
12 TC
282 AJ
12 NC
3 LO
47 DBH
35 YJG
50 DBH
45 YJG
LIMIT OF WORK
50 DBH
7 MDR
11 MDR
21 MDR
STEEL EDGING
STEEL EDGING
TREE LAWN
STEEL EDGING
GARDEN
GARDEN
LAWN
PAVILION N.I.C.
50 L
50 L
37 BDR
50 L
50 L
50 L
12 SH
54 BDR
FOUNTAIN PLAZA
5850 DMG
6200 DMG
6200 DMG
4200 DMG
28 CP
75 L
75 L
16 CP
4400 DMG
75 L
75 L
75 L
75 L
4450 DMG
75 L
75 L
6000 DMG
5 CP
75 L
175 AJ
735 AJ
865 AJ
200 AJ
8 CO
MATCH LINE
6 SO
LAWN
4 SO
6 JFC
30 CE
1 BO
12 CE
1 BO
7 MP
SEE DWG L1.1
8 S
8 P
4 BO
GROVE
1 BO
720 AJ
STEEL EDGING
32' x16' UNDERGROUND VAULT
WATER GARDEN
THE BOWL
BENCHMARK (TBM-1A)
SQUARE CUT IN CURB
N 12448.6806
E 10874.2582
ELEV=622.45
LIMIT OF WORK
QUORUM DRIVE
1 LBR
10 LBR
17 CO
22 SO
2' MULCH BED BETWEEN EDGE OF SIDEWALK AND FENCE
FESTIVAL WAY
MATCH LINE
LIMIT OF WORK
MATCH LINE
LIMIT OF WORK
MATCH LINE A-A
TOPSOIL, LOAM AND SEED DISTURBED AREA
MATCH LINE A-A

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

N

0 10' 20' 40'

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

DWG ISSUE & REVISION HISTORY

Stamp
STATE OF TEXAS
MARK O. DAWSON
1590
REGISTERED LANDSCAPE ARCHITECT
10/21/02

Project Title:
ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

Drawing Title:
PLANTING PLAN

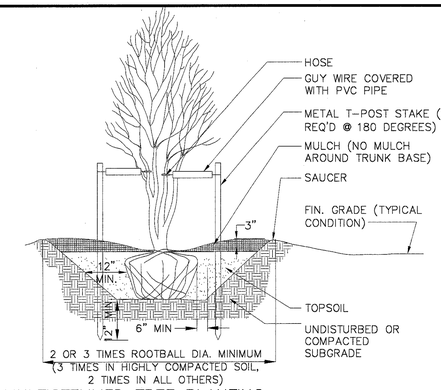
Project No. 14516.00 Scale: 1"=20'-0"
Drawn By: CB
Checked By: DC
Approved By: MOD
Date: September 30, 2002

Drawing No.
L1-2

PLANT LIST

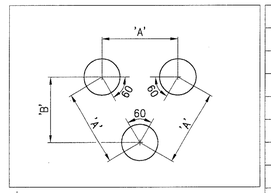
SYM.	QUA.	COMMON NAME	BOTANICAL NAME	SIZE/HEIGHT	REMARKS
Trees					
BO	16	Bur Oak	Quercus macrocarpa	3½ – 4" caliper	
CE	62	Cedar Elm	Ulmus crassifolia	32 @ 2½–3" cal., 30 @ 3–3½" cal.	
CO	50	Chinkapin Oak	Quercus muehlenbergii	4 – 4½" caliper	
CP	85	Chinese Pistache	Pistacia chinensis	24 @ 3" caliper, 61 @ 3½ – 4" caliper	Specimens
EN	14	Eve's Necklace	Sophora affinis	2 – 2½" caliper	Single stemmed
JFC	18	Japanese Flowering Crabapple	Malus floribunda	2½ – 3" caliper	
LO	24	Live Oak	Quercus virginiana	4½ – 5" caliper	Matched specimens
MP	7	Mexican Plum	Prunus mexicana	2½ – 3" caliper	Single stemmed
NC	12	Natchez Crapemyrtle	Lagerstroemia x 'Natchez'	8 – 10' height	Multistemmed
OR	16	Oklahoma Redbud	Cercis reniformis 'Oklahoma'	2½ – 3" caliper	Single stemmed
P	8	Pecan	Carya illinoinensis	3" caliper	
S	8	Sweetgum	Liquidambar styraciflua	3" caliper	
SH	12	Shademaster Honeylocust	Gleditsia triancanthos 'Shademaster'	3½ – 4" caliper	Matched specimens
SM	13	Shangtung Maple	Acer truncatum	2½ – 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
Shrubs					
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.
Groundcover & Vines					
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.	
Grasses					
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 QUANITY SHALL PREVAIL.



3 MULTISTEMMED TREE PLANTING
N.T.S.

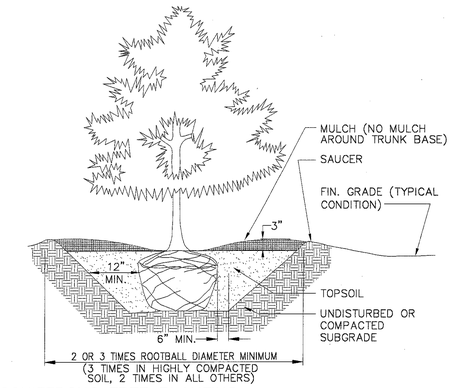
MULTSTM.DWG



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.

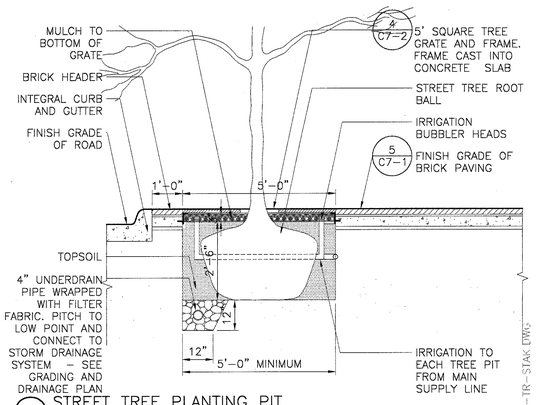
6 GROUND COVER AND SHRUB SPACING CHART
SCALE: N.T.S.

SHRBCHRT.DWG



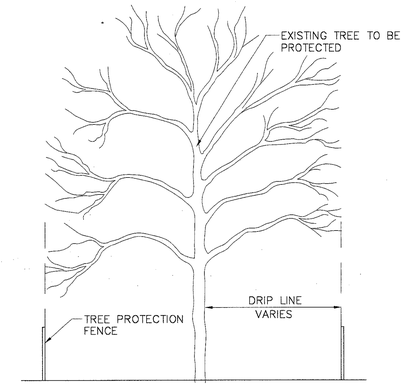
2 CONIFEROUS TREE PLANTING
N.T.S.

CONITREE.DWG

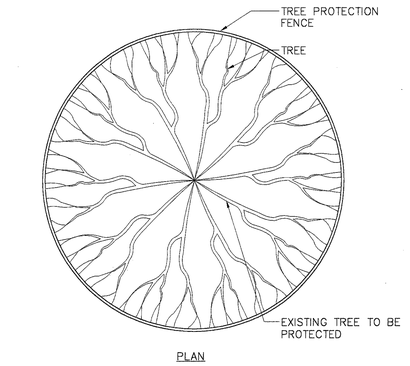


5 STREET TREE PLANTING PIT
SCALE: 1/2" = 1'-0"

S-TR-STAK.DWG



SECTION



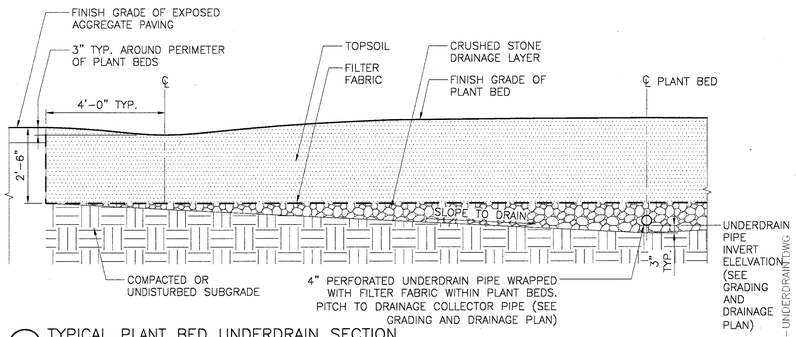
PLAN

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

TREE-PRO.DWG

4 DECIDUOUS TREE PLANTING– STAKED
N.T.S.

D-TR-STK.DWG



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

S-UNDERDRAIN.DWG

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS · MARK O. DAWSON · 1580 · REGISTERED LANDSCAPE ARCHITECT · 9/24/02

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 ROAD

ADDISON CIRCLE DRIVE

FESTIVAL WAY

(11) 2" SLEEVES FOR TREE WELLS

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

(2)4" SLEEVES

4" POP-UP HEADS FOR ROSE BUSHES

HC RAMP 1:12

(44)BQ

MATCH LINE - SEE SHEET L3.2

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

Stamp

STATE OF TEXAS — REGISTERED — LICENSED IRRIGATOR — 10-16-02

N

0 10' 20' 40'

Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

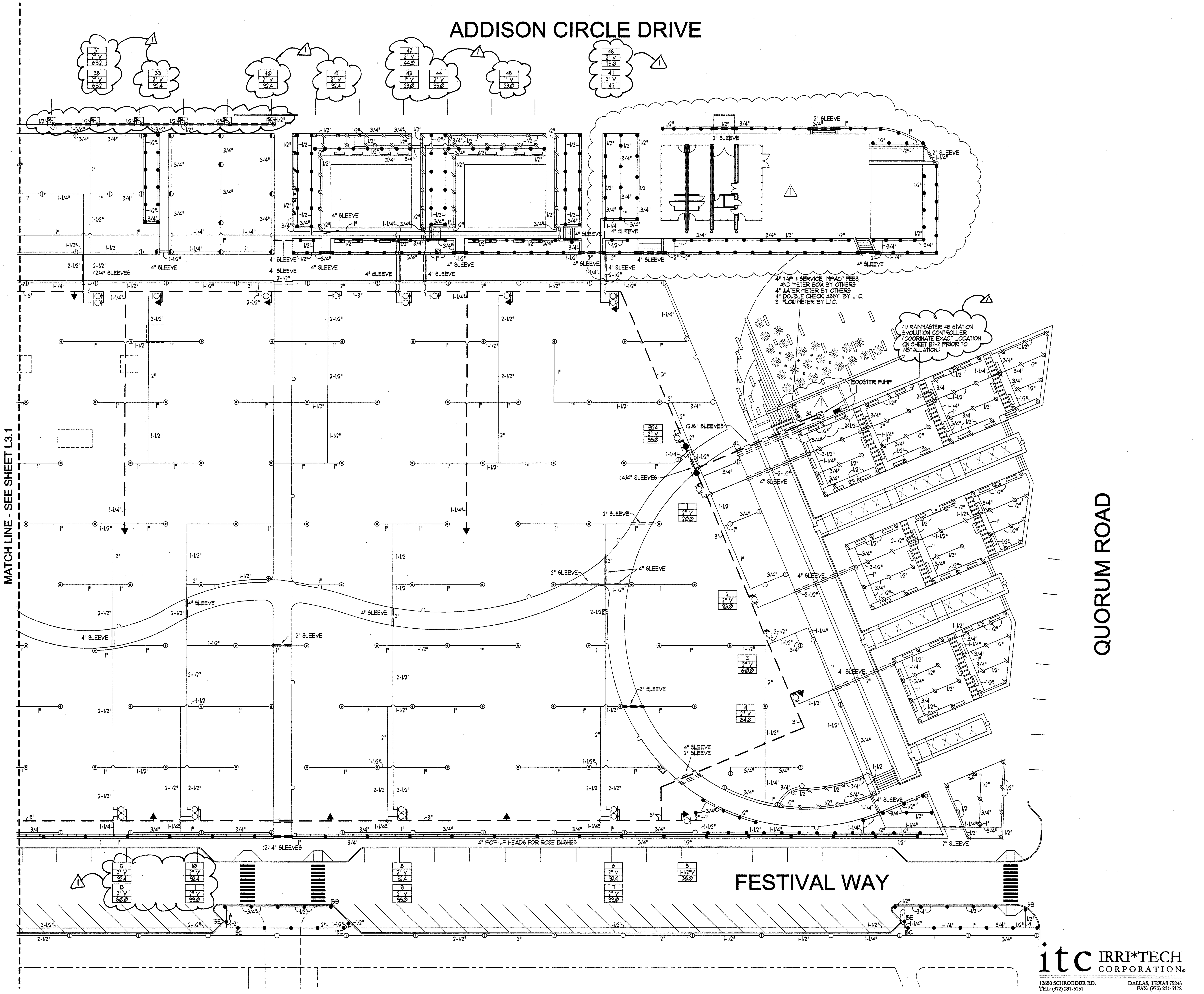
Drawing Title:

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. TEL: (972) 231-5151
DALLAS, TEXAS 75243 FAX: (972) 231-5172



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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS — SETH A. HEIDMAN 5881 — LICENSED IRRIGATOR — 10-16-02

N

0 10' 20' 40'

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.

L3-2

ADDISON CIRCLE DRIVE

ADDISON ROAD

(23) 2" SLEEVES FOR TREE WELLS

3T
1" V
182

1/2" 3/4" 1" 1-1/4" 1-1/2"

MATCH LINE - SEE SHEET L4.2

HC RAMP 1:12

FESTIVAL WAY

itc IRRI*TECH CORPORATION®
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No.	Description	Date
	ISSUED FOR CONSTRUCTION	09-30-02

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS LICENSED IRRIGATOR 9-30-02

N

0 10' 20' 40'

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.

L4-1

ADDISON CIRCLE DRIVE

(23) 2" SLEEVES FOR TREE WELLS

MATCH LINE - SEE SHEET L4.1

QUORUM ROAD

FESTIVAL WAY

itc IRRI*TECH CORPORATION

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

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS — SEAN A. HERMAN — 9-26-02

N

0 10' 20' 40'

Project Title:

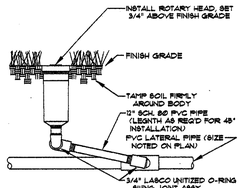
ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

Drawing Title:

IRRIGATION BUBBLERS

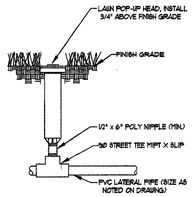
Project No. 14516.00 Scale: 1"=20'-0"
Drawn By: SAH
Checked By: SAH
Approved By: SAH
Date: September 30, 2002

Drawing No. L4-2



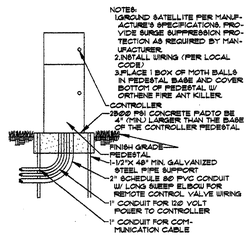
ROTARY HEAD

NOT TO SCALE SD 710



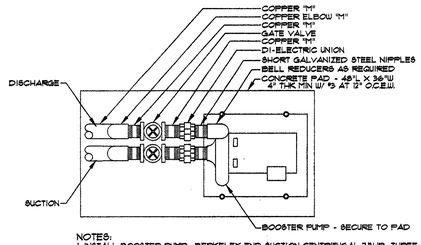
LAWN SPRAY HEAD

NOT TO SCALE SD 710



SATELLITE CONTROLLER W/ PEDESTAL

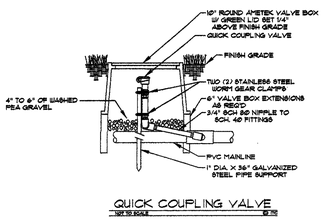
NOT TO SCALE SD 710



NOTES:
1. INSTALL BOOSTER PUMP- BERKELEY END SUCTION CENTRIFUGAL 15HP, THREE PHASE, 208 VOLT 3450 RPM, 060 MOTOR. FOR INFORMATION CONTACT TEXAS PUMP AND SUPPLY COMPANY, @1160 SHADY TRAIL, SUITE 360, DALLAS, TEXAS 75220, (214)358-1542.
2. ALL PIPING ABOVE GRADE AND WITHIN 48" OF PUMP PAD TO BE COPPER TYPE 'M'.
3. INSTALL FPT TEE ON DISCHARGE LINE APPROXIMATELY 24" FROM PUMP SLAB FOR FLOW SWITCH PER MANUFACTURERS RECOMMENDATION. DO NOT USE REDUCER BUSHING.
4. INSTALL WATTS FLOW SWITCH FS120 IN THIS TEE AND WIRE TO 288P-24-24-TD-CPT SPRINKLER PACK. INSTALL IN 11" x 11" VALVE BOX.
5. INSTALL I.E.C. SPRINKLER PACK IN A NEMA ENCLOSURE. INSTALL FLOW SWITCH AND PUMP STARTER ON AUTOMATOIC CONTROLLER TO BE WIRED IN SERIES.
6. INSTALL THE WELDED STEEL HOUSING WITH BASE COAT OR GRAY PAINT AND FINISH COAT OF BLACK PAINT. HOUSING SHALL BE 36" 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.

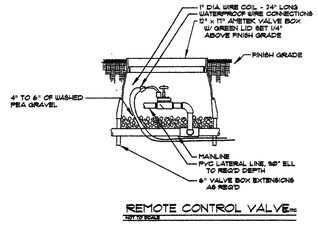
BOOSTER PUMP

NOT TO SCALE SD 710



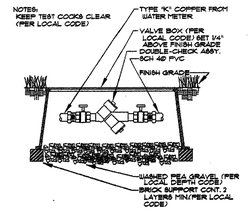
QUICK COUPLING VALVE

NOT TO SCALE SD 710



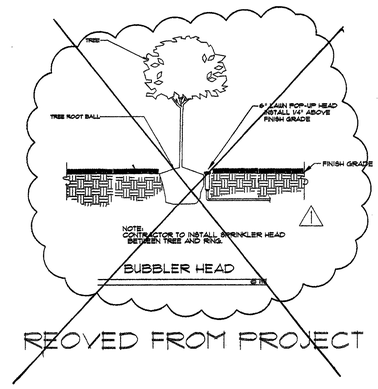
REMOTE CONTROL VALVE

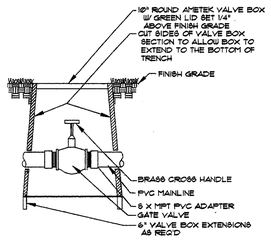
NOT TO SCALE SD 710



BACKFLOW PREVENTER

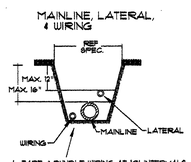
NOT TO SCALE SD 710





GATE VALVE - 3" AND SMALLER

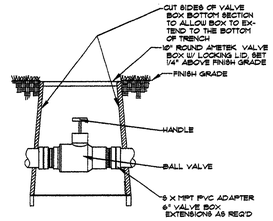
NOT TO SCALE SD 710



1. TAPE & BUNDLE WIRING AT 10' INTERVALS.
2. NO MORE THAN TWO PIPES PER TRENCH.

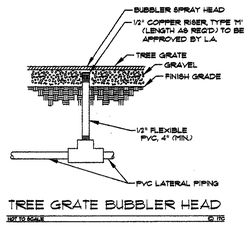
TRENCHING DETAIL

NOT TO SCALE SD 710



BALL VALVE

NOT TO SCALE SD 710



TREE GRATE BUBBLER HEAD

NOT TO SCALE SD 710

IRRIGATION LEGEND:

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL NO.
●	LAWN SPRAY HEAD	TORO	570Z-4P SERIES W/ 15P, 18H, OR 15Q UNLESS NOTED OTHERWISE
⊘	LAWN CENTER STRIP HEAD	TORO	570Z-12P SERIES W/ 15P, 18H, OR 15Q UNLESS NOTED OTHERWISE
❁	TREE GRATE BUBBLER HEAD	TORO	COPPER W/ 68-PC NOZZLE UNLESS NOTED OTHERWISE
◑	SMALL ROTARY PART-CIRCLE	HUNTER	PGP W/ #1 NOZZLE
⊕	SMALL ROTARY FULL-CIRCLE	HUNTER	PGP W/ #6 NOZZLE
◑	ROTARY PART-CIRCLE	HUNTER	PGP W/ #6 NOZZLE
⊙	ROTARY FULL-CIRCLE	HUNTER	PGP W/ #12 NOZZLE
▲	QUICK COUPLING VALVE	WEST AG	V675
IOI	REMOTE CONTROL VALVE	WEATHERMATIC	#10000 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
NN	BACKFLOW PREVENTER	WATTS	#007 SERIES
Ⓜ	NEW WATER METER	REFER TO SPEC.	PER LOCAL BUILDING CODE
Ⓥ / VALVE SIZE / GPM (APPROX.) / STATION NUMBER	NEW MASTER VALVE	WEATHERMATIC	#11000 SERIES, REFER TO PLAN FOR SIZE

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 # 705 SOLVENT AND #P-68 PRIMER 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 LASCO "UNITIZED", O-RING SWING JOINTS PER DETAIL SHOWN, #7122-312. SUPPLY OWNER WITH THREE (3) COUPLER KEYS WITH SWIVEL HOSE BIBE, #33DK AND #6 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 PRVIDE 80.0 TO 85.0 PSI ON THE DISCHARGE SIDE. THE DESIGN PRESSURE IS 120.0 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. L.I.C. TO PROVIDE ALL NECESSARY HARDWARE AND LABOR FOR INSTALLATION OF IRRIGATION CONTROLLER AND REMOTE CONTROL VALVES. REFER TO MATT SWOR WITH LONGHORN 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.

itc IRRI*TECH CORPORATION®
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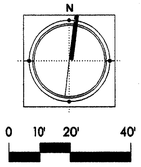
No.	Description	Date
1	ADDENDUM 2	10-21-02
	ISSUED FOR CONSTRUCTION	09-30-02

DWG ISSUE & REVISION HISTORY

Stamp



Project Title:

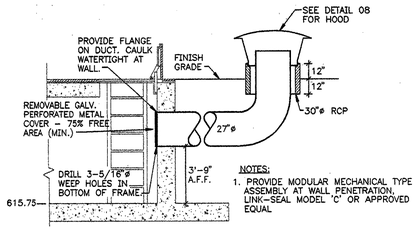
ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

Drawing Title:

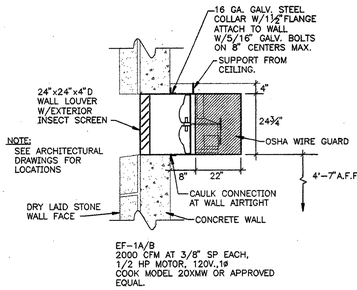
IRRIGATION DETAILS

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

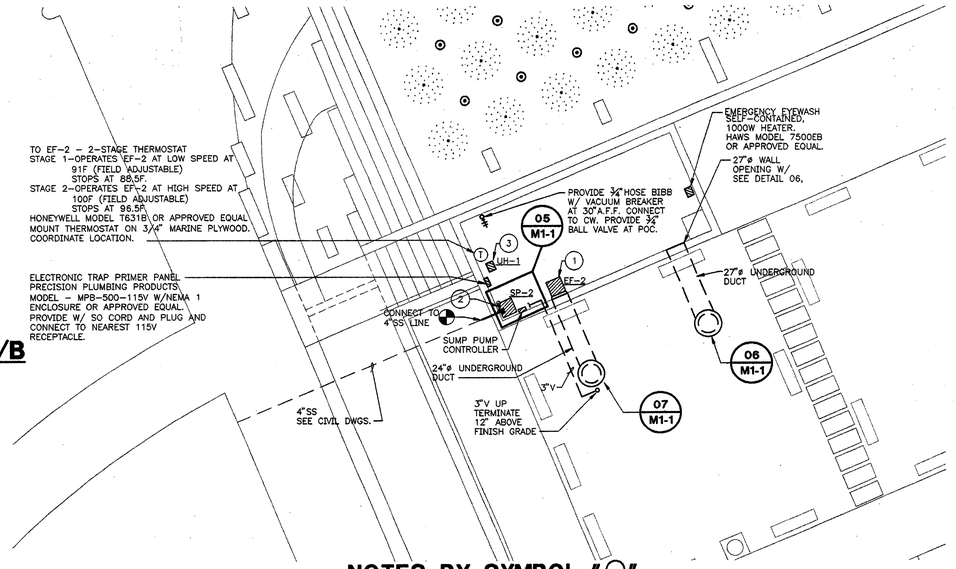
Drawing No. L5-1



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



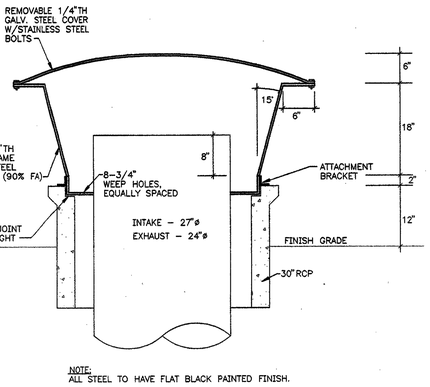
03 M1-1 EXHAUST FAN MOUNTING DETAIL - EF 1A/B
N.T.S.



NOTES BY SYMBOL "○"

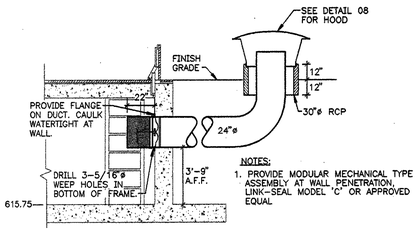
1. EF-2 VAULT VENTILATION FAN, 2800 CFM AT 3/8" S.P., 1/2 HP, 2 SPEED MOTOR, 120V., 1ø, WITH OSHA WIRE GUARD. COOK MODEL #20XMW OR APPROVED EQUAL. (1)
2. SP-2 SIMPLEX SUMP PUMP.
3. UH-1 ELECTRIC HEATER. BRASCH MODEL BTUH 2.2-2081 OR APPROVED EQUAL. 2.2KW AT 208/1 PHASE, W/ BUILT-IN THERMOSTAT SET FOR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

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

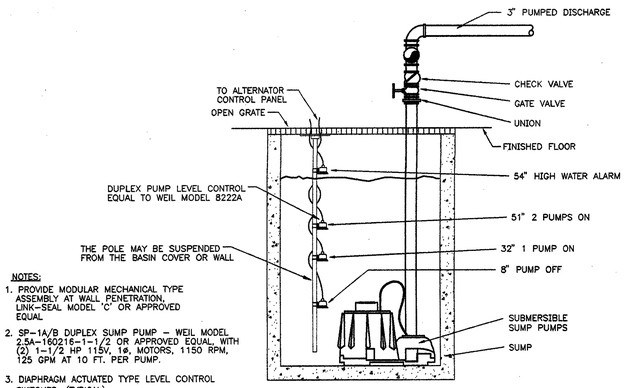


NOTE:
ALL STEEL TO HAVE FLAT BLACK PAINTED FINISH.

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



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



04 M1-1 DUPLEX SUMP PUMP DETAIL - SP-1A/B
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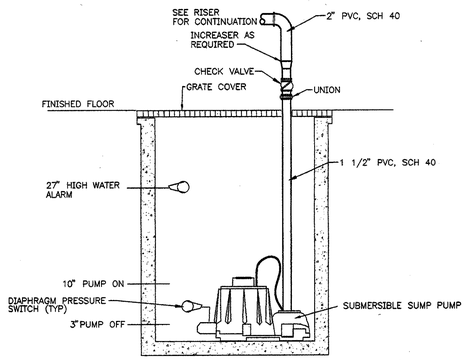
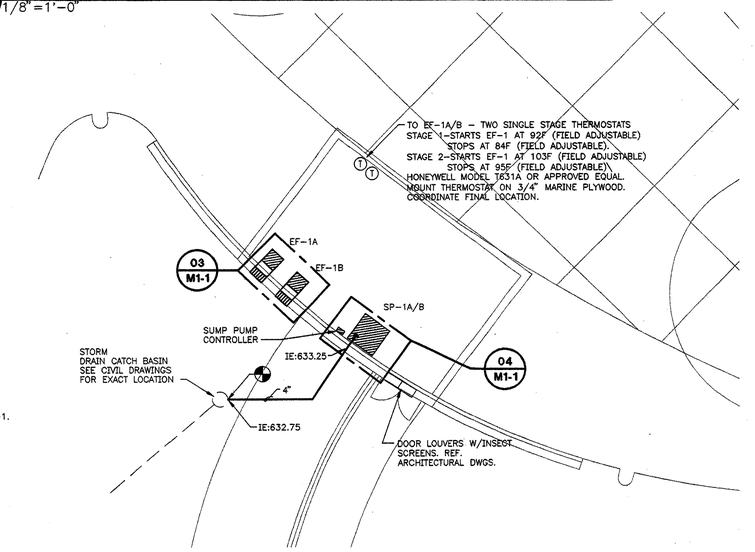


NOTES:
1. PROVIDE MODULAR MECHANICAL TYPE ASSEMBLY AT WALL PENETRATION, LINK-SEAL MODEL 'C' OR APPROVED EQUAL
2. SP-2 SIMPLEX SUMP PUMP - HYDROMATIC MODEL B-A1 OR APPROVED EQUAL, WITH 1/4 HP 115V, 1ø, MOTOR, 1750 RPM, 25 GPM AT 7 FT.
3. DIAPHRAGM ACTUATED TYPE LEVEL CONTROL SWITCHES. (TYPICAL)

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



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

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7430 Greenville Avenue
Dallas, Texas 75231
(214) 696-6291
(214) 361-6298 [FAX]
PROJECT NO: 69602.00

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

DWG ISSUE & REVISION HISTORY

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STATE OF TEXAS
WILLIAM A. KUMPF
66586
REGISTERED PROFESSIONAL ENGINEER
10/1/02

N

1/8" = 1'-0"
0 2' 4' 8' 16'

Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

Drawing Title:

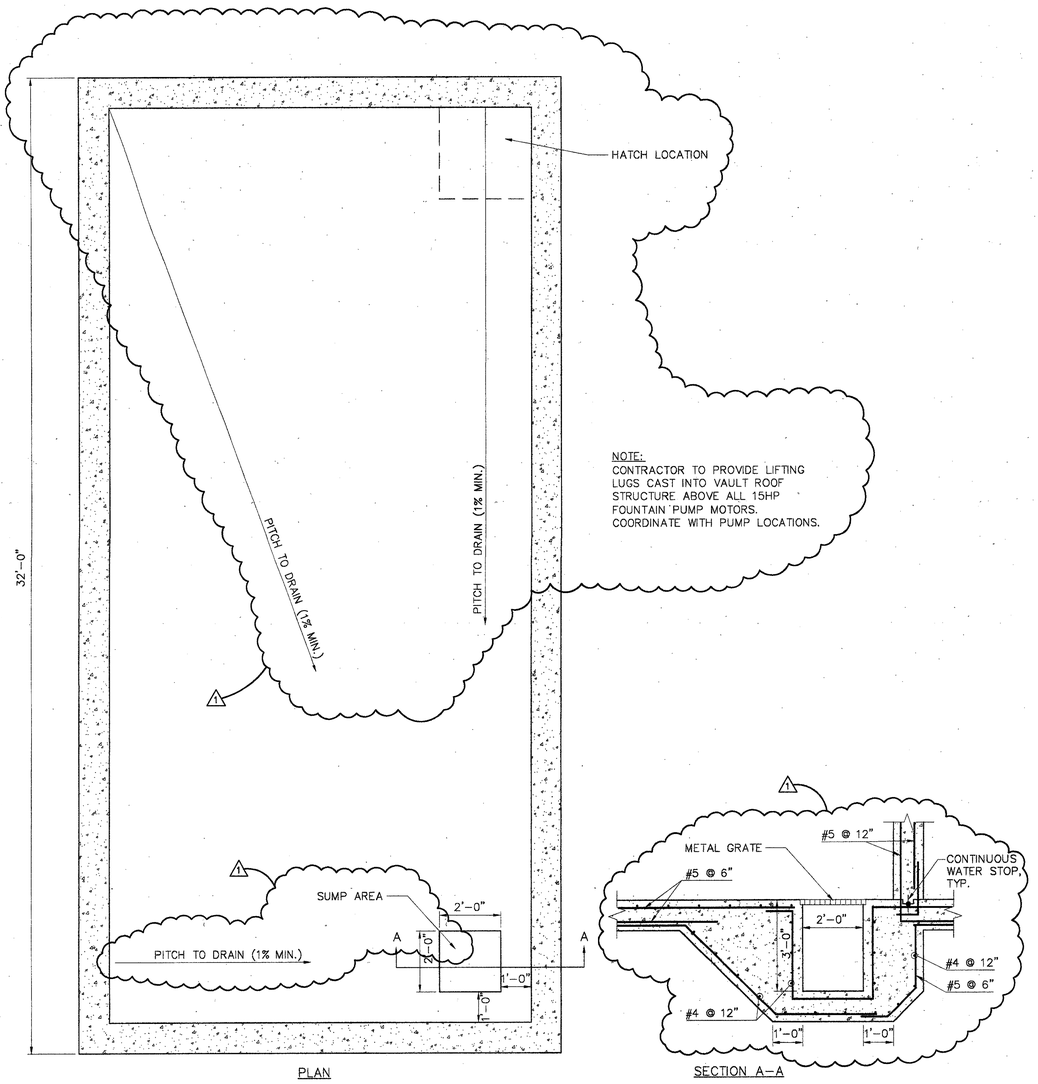
MECHANICAL PLAN

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

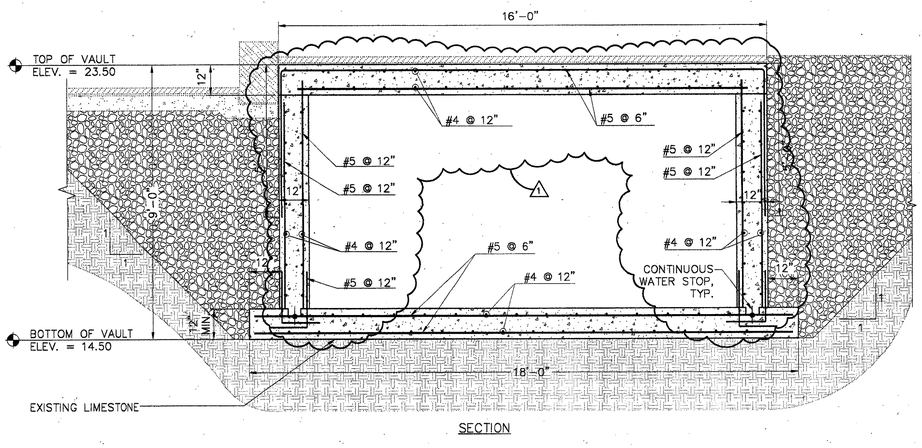
Drawing No.

M1-1

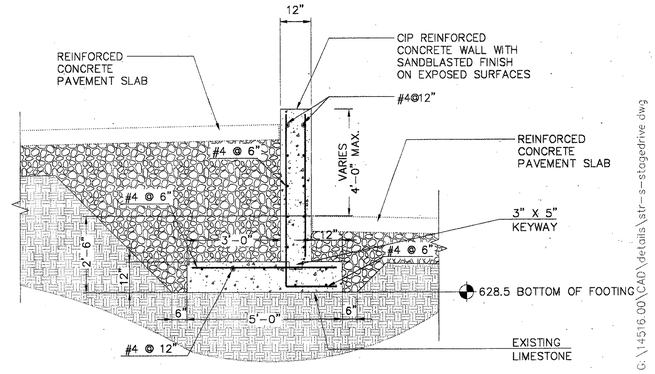
DATE 9/23/02
PROGRESS KWD
QAC



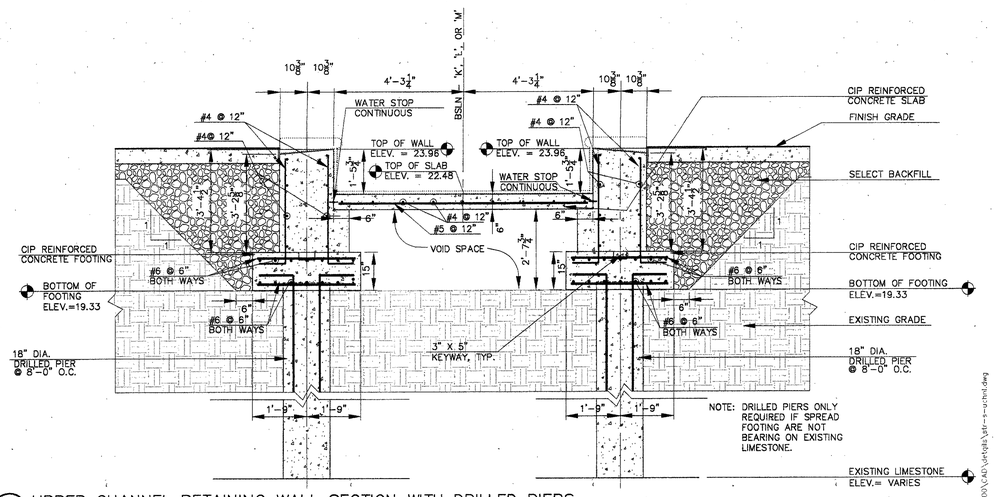
NOTE:
CONTRACTOR TO PROVIDE LIFTING LUGS CAST INTO VAULT ROOF STRUCTURE ABOVE ALL 15HP FOUNTAIN PUMP MOTORS. COORDINATE WITH PUMP LOCATIONS.



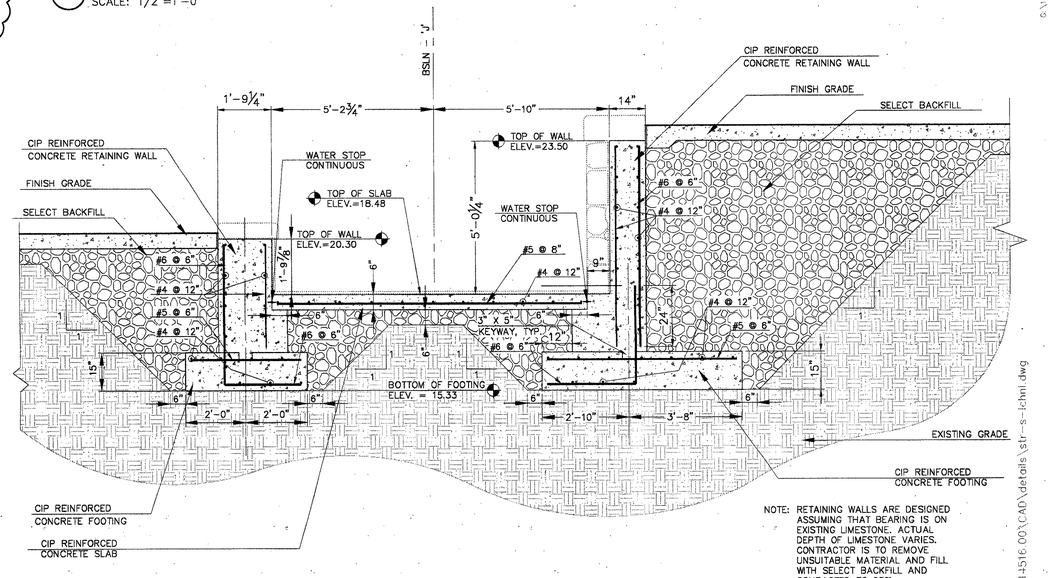
4 FOUNTAIN VAULT REINFORCING – PLAN AND SECTION
SCALE: 1/2" = 1'-0"



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"

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STATE OF TEXAS
STEPHEN E. HAMWEY
57411
REGISTERED
10/21/02

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

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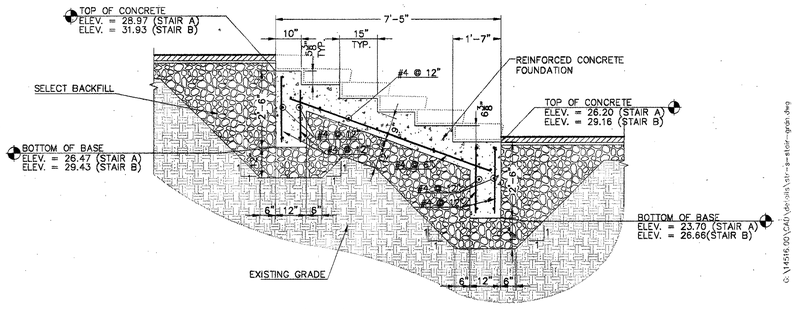
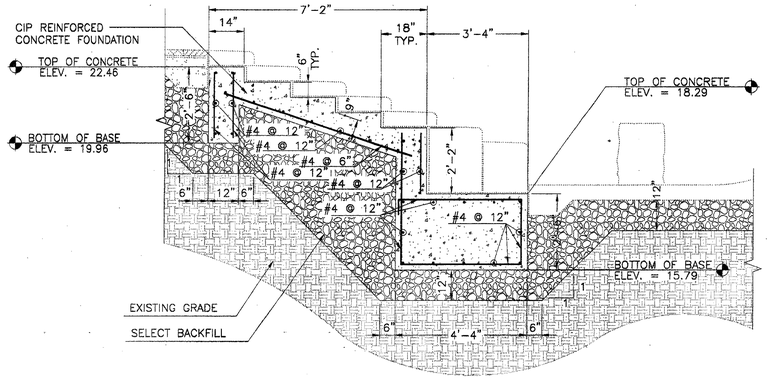
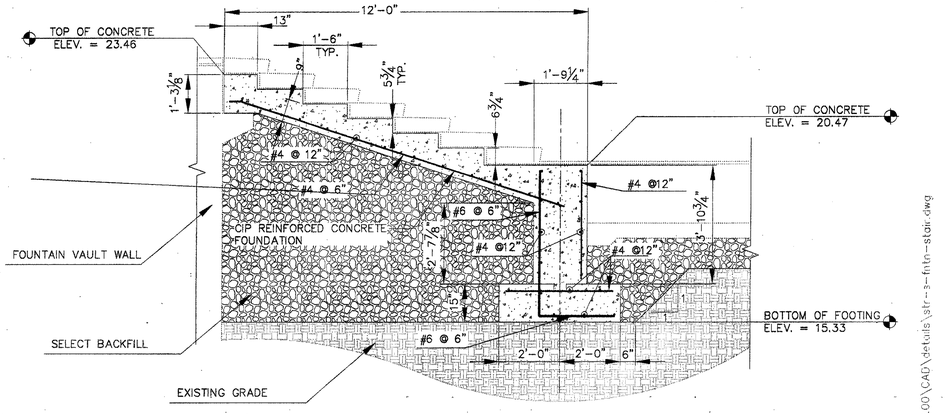


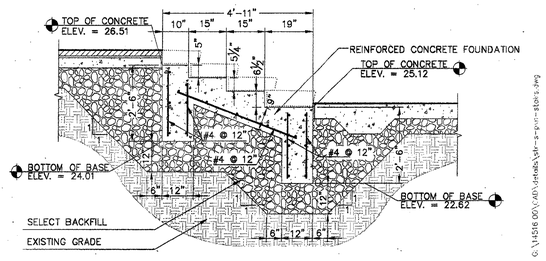
3 FOUNDATION OF GARDEN STAIRS – SECTION (TYPICAL FOR STAIRS A & B)
SCALE: 1/2" = 1'-0"



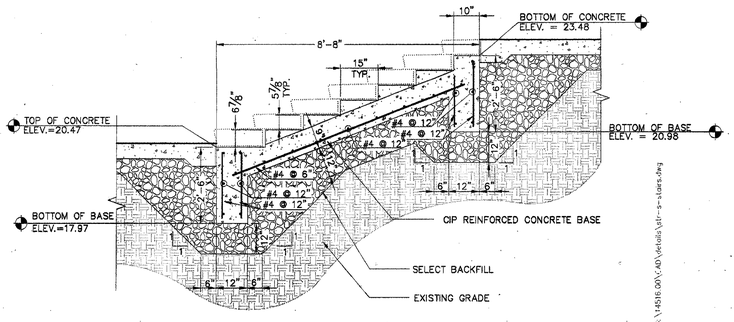
5 FOUNDATION OF PLAZA FOUNTAIN STEPS SECTION 1
SCALE: 1/2"=1' – 0"



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"

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DWG ISSUE & REVISION HISTORY

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STATE OF TEXAS
STEPHEN E. MAHAFFEY
57411
REGISTERED
PROFESSIONAL ENGINEER
9/30/02

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

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© \14516.00\CAD\details\str-s-garden-stairs.dwg

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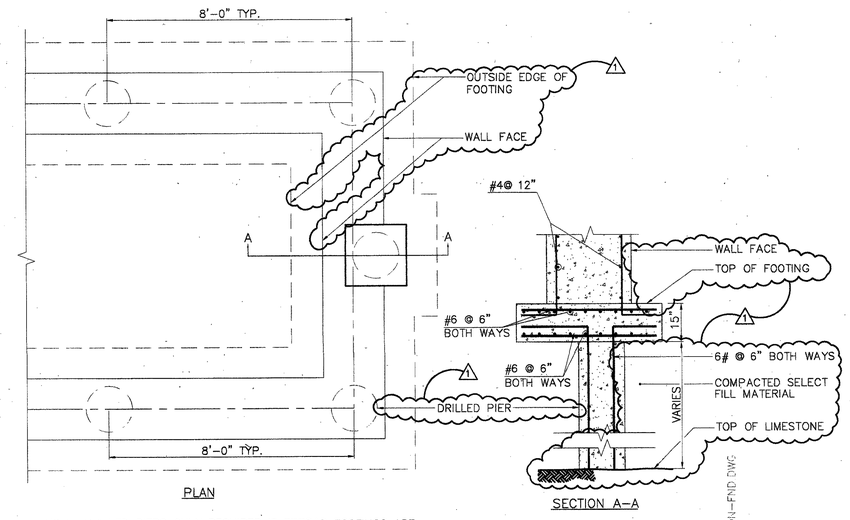
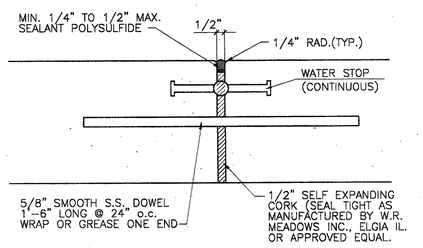


NOTE: DRILLED PIERS ONLY REQUIRED IF SPREAD FOOTINGS ARE NOT BEARING ON EXISTING LIMESTONE.

S-F-PYLON-FND.DWG

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



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

TYP-EXJT.DWG

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

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

DWG ISSUE & REVISION HISTORY

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STATE OF TEXAS
STEPHEN E. HAMMEY
87311
LICENSED
PROFESSIONAL
ENGINEER
10/21/02

Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

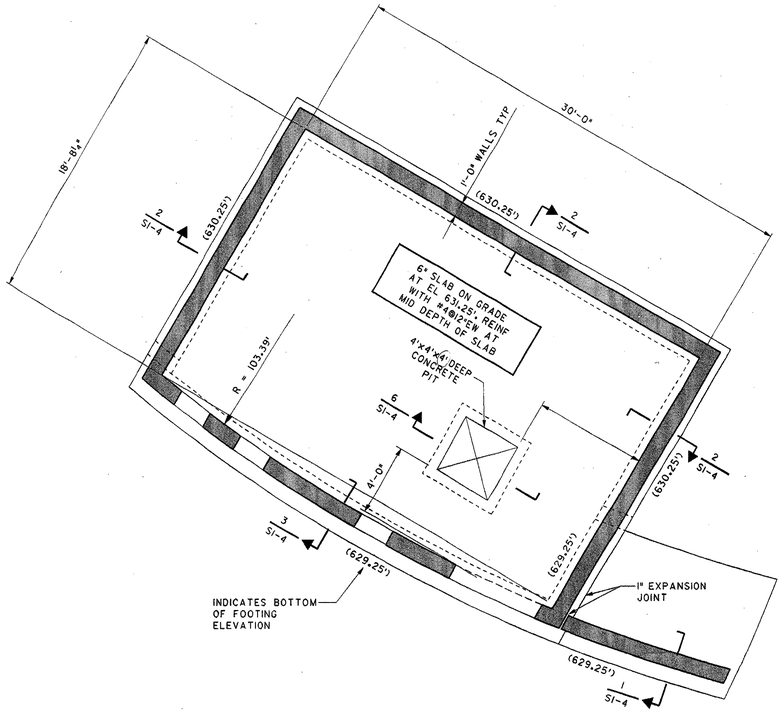
Drawing Title:

STRUCTURAL DETAILS

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

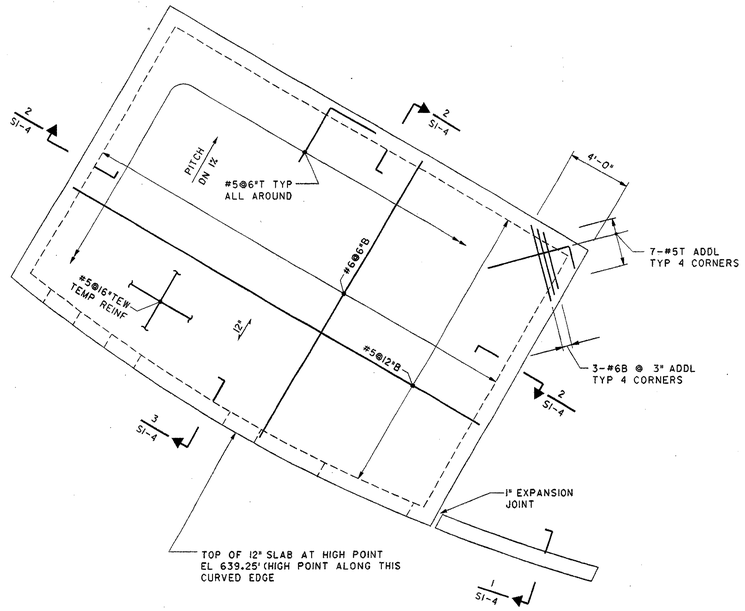
Drawing No.

S1-3



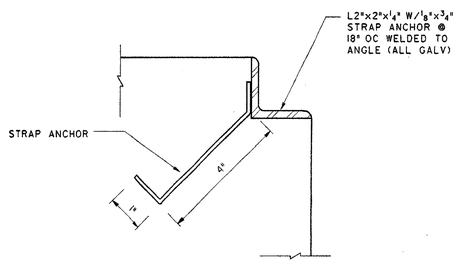
9 FOUNDATION PLAN

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



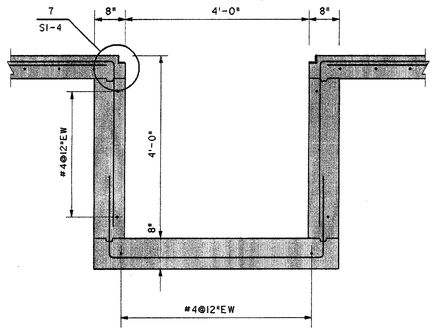
8 ROOF PLAN

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



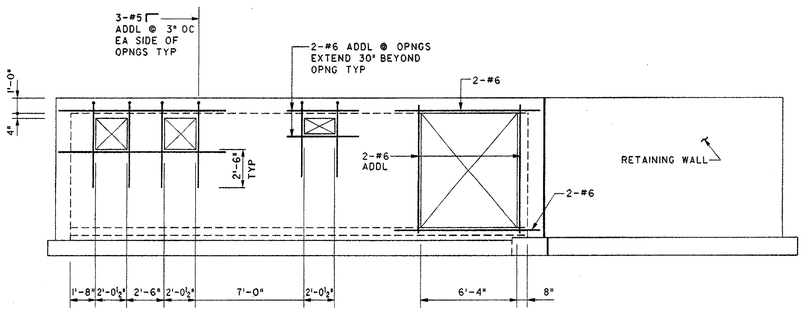
7 DETAIL AT PIT COVER SEAT

SCALE: 6"=1'-0"



6 CONCRETE PIT

SCALE: 3/4"=1'-0"



5 WALL ELEVATION

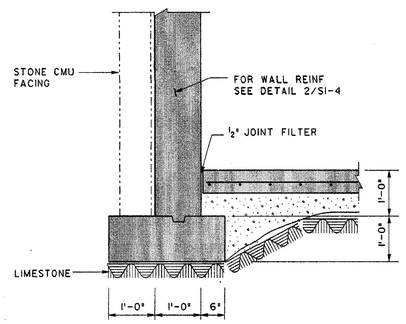
SCALE: 1/4"=1'-0"

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 REINFORCENMENT 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.

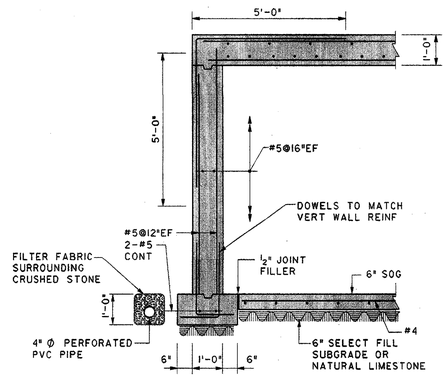
4

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



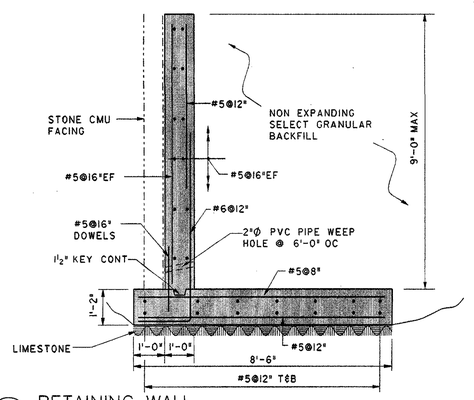
3 FRONT FOUNDATION WALL

SCALE: 3/4"=1'-0"



2 TYPICAL FOUNDATION WALL

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



1 RETAINING WALL

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

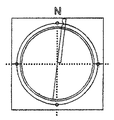
SASAKI
Interdisciplinary Design
64 Pleasant Street, Watertown, Massachusetts 02472 USA
t 617 926 3300 f 617 924 2748 w www.sasaki.com

LeMessurier Consultants, Inc.
STRUCTURAL ENGINEERS
675 MASSACHUSETTS AVENUE
CAMBRIDGE, MASSACHUSETTS 02139-3309
TEL: (617)868-1200 FAX: (617)661-7520

No.	Description	Date
	ISSUED FOR CONSTRUCTION	9/30/2002

DWG ISSUE & REVISION HISTORY

Stamp



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

JOB NAME: ADDISON UNDERGROUND ELECTRIC VAULT
LEA 22.22 DRAWING NO. M-25
PM: JEB DRAWN: CEC
CHECKED: JEB
Addison.dwg

SHEET INDEX

C0-0	SHEET INDEX
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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
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C3-1	GRADING & DRAINAGE PLAN
C3-2	GRADING & DRAINAGE PLAN
C4-1	UTILITIES PLAN
C4-2	UTILITIES PLAN
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C5-1	MATERIALS PLAN DETAIL
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C7-1	SITE DETAILS
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C7-4	SITE DETAILS – COTTON BELT ROUTE
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C7-6	SITE DETAILS – UPPER CHANNEL & RAILING
C7-7	SITE DETAILS – FOUNTAIN WALL
C7-8	SITE DETAILS – PLAZA FOUNTAIN STEPS
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C7-10	SITE DETAILS – FOUNTAIN
C7-11	SITE DETAILS – STAIRS
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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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No.	Description	Date
1	ADDENDUM #2	10-21-02
	ISSUED FOR CONSTRUCTION	09-30-02

DWG ISSUE & REVISION HISTORY

Stamp

STATE OF TEXAS
STEPHEN E. HAMMEY
87411
CIVIL
10/21/02

Project Title:

ADDISON ARTS & EVENTS DISTRICT
ADDISON, TEXAS

Drawing Title:

SHEET INDEX

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

Drawing No.

C0-0

BENCH MARK (TBM-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

T.B.M.
60d NAIL IN POWER POLE
N 12,320.7279, E 9,776.2985
ELEV. 636.97

T.B.M.
SQUARE CUT IN CURB
N 12,448.6806, E 10,874.3582
ELEV. 622.45

SURVEY COMPETED 07-11-01

HORIZONTAL 0 40 80 120
SCALE IN FEET

NO.	DESCRIPTION
1	1-8" SYCAMORE
1	7-12" SYCAMORE
2	16-10" SYCAMORE
3	2-10" SYCAMORE
3	2-12" SYCAMORE
4	10-6" OAK
5	14-6" OAK
6	1-4" OAK
6	3-6" OAK
7	2-4" OAK
8	8-4" OAK
8	6-6" OAK
9	2-6" OAK
10	10-4" OAK
11	10-4" OAK
11	3-6" OAK
12	16-4" OAK
13	4-4" OAK
14	2-6" OAK
15	13-6" OAK
16	1-2" HACKLE BERRY
16	2-4" HACKLE BERRY
16	1-4" CHINA BERRY
16	1-8" ELM
16	1-12" ELM
16	1-18" ASH
17	6-3" RED BUD
17	3-8" CHINA BERRY
17	7-10" HACKLE BERRY
17	1-20" JUNIPER
18	5-8" HACKLE BERRY
18	1-8" HACKLE BERRY
18	1-10" HACKLE BERRY
18	1-18" BOIS'D ARC
18	1-30" HACKLE BERRY
19	1-3" HACKLE BERRY
19	1-6" HACKLE BERRY
19	2-8" HACKLE BERRY
19	1-10" HACKLE BERRY
20	1-3" HACKLE BERRY
20	2-4" HACKLE BERRY
20	2-6" HACKLE BERRY
20	1-8" HACKLE BERRY
21	1-2" HACKLE BERRY
21	5-4" HACKLE BERRY
21	1-6" HACKLE BERRY
21	1-8" HACKLE BERRY
21	7-10" HACKLE BERRY
21	1-10" CHINA BERRY
21	1-24" HACKLE BERRY
22	3-6" HACKLE BERRY
22	3-8" HACKLE BERRY
22	1-10" HACKLE BERRY
22	1-12" HACKLE BERRY
23	1-6" HACKLE BERRY
23	1-10" HACKLE BERRY
23	1-12" HACKLE BERRY
23	1-18" HACKLE BERRY
23	1-20" ELM
23	1-24" ELM
24	2-12" ELM
24	1-16" ELM
24	1-18" ELM
25	7-6" HACKLE BERRY
25	1-8" HACKLE BERRY
25	1-18" HACKLE BERRY
26	4-6" HACKLE BERRY
26	1-8" HACKLE BERRY
26	2-10" ASH
26	2-12" HACKLE BERRY
27	1-6" HACKLE BERRY
27	2-10" HACKLE BERRY
27	1-12" HACKLE BERRY
28	7-4" HACKLE BERRY
28	5-6" HACKLE BERRY
28	1-8" HACKLE BERRY
28	1-10" HACKLE BERRY
28	1-12" HACKLE BERRY
29	4-3" HACKLE BERRY
29	3-4" HACKLE BERRY
29	1-12" DOG WOOD
30	4-4" HACKLE BERRY
30	2-6" HACKLE BERRY
30	1-10" HACKLE BERRY
30	1-16" HACKLE BERRY
31	2-4" HACKLE BERRY
31	1-3" HACKLE BERRY
31	1-6" HACKLE BERRY
32	1-12" ASH
32	1-14" HACKLE BERRY
32	2-16" HACKLE BERRY
32	1-24" ELM
33	1-10" CHINA BERRY
33	1-6" HACKLE BERRY
33	2-16" HACKLE BERRY
34	1-3" HACKLE BERRY
34	1-4" HACKLE BERRY
34	1-6" HACKLE BERRY

LEGEND

- BRICK PAVERS
- ASPHALT PAVEMENT
- 6" CONCRETE CURB

SUMMARY OF ABBREVIATIONS AND DEFINITIONS

ABBREVIATION	DEFINITION	ABBREVIATION	DEFINITION	ABBREVIATION	DEFINITION
B.C.	BACK OF CURB	GUT.	GUTTER	R.	RADIUS
B.D.	BOIS D'ARC TREE	H.B.	HACKBERRY TREE	R.B.	REDBUD TREE
B.L.	BLACK THORN TREE	HDWL.	HEADWALL	R.C.	REINFORCED CONCRETE
C.B.	CHINABERRY TREE	HICK.	HICKORY TREE	R.C.P.	REINFORCED CONCRETE PIPE
CDR.	CEDAR TREE	INV.	INVERT OR FLOWLINE	R.O.	RED OAK TREE
℄	CENTERLINE	I.P.F.	IRON PIN FOUND	R.O.W.	RIGHT OF WAY
C.M.	CREPE MYRTLE TREE	L.O.	LIVE OAK TREE	SAN. SEW.	SANITARY SEWER
C.M.A.P.	CORRUGATED METAL ARCH PIPE	L.P.	LIGHT POLE	S.C.	SHEET GUM TREE
C.M.P.	CORRUGATED METAL PIPE	L.S.	SANITARY SEWAGE LIFT STATION	S.H.	LAWN SPRINKLER HEAD
C.I.	CAST IRON	MAG.	MAGNOLIA TREE	S.S.	SANITARY SEWER
C.O.	CLEANOUT	MAP.	MAPLE TREE	S.S.M.H.	SANITARY SEWER MANHOLE
CULV.	CULVERT	M.B.	MAILBOX	ST. SEW.	STORM SEWER
C.W.	COTTONWOOD TREE	M.H.	MANHOLE	S.V.B.	LAWN SPRINKLER VALVE BOX
CYP.	CYPRESS TREE	MM.	MAGNOLIA TREE	SYC.	SYCAMORE TREE
D.I.P.	DUCTILE IRON PIPE	MUL.	MULBERRY TREE	T.B.	TELEPHONE CABLE BOX
EL.	ELEVATION	NAN.	NANDINA BUSH	TBC	TOP BACK OF CURB
ELEC.	BURIED ELECTRICAL POWER LINE	P.C.	POINT OF CURVATURE	TEL.	BURIED TELEPHONE CABLE
ENC.	ENCASEMENT	PEC.	PECAN TREE	T.M.H.	TELEPHONE CABLE MANHOLE
EPB	EDGE OF PAVERS	PHOT.	PHOTINIA BUSH	TO F.	TO FACE (OF CURB)
ESMT.	EASEMENT	P.I.	POINT OF INTERSECTION	T.V.	BURIED TELEVISION CABLE
F.-F.	FACE TO FACE	P.L.	PROPERTY LINE	U.G.C.M.	UNDERGROUND CABLE MARKER
F.H.	FIRE HYDRANT	P.P.	POWER POLE	V.C.	VERTICAL CURVE
F.M.	SANITARY SEWER FORCE MAIN	P.R.C.	POINT OF REVERSE CURVATURE	W.	WATER LINE
F.L.	FLOW LINE	P.T.	POINT OF TANGENCY	WIL.	WILLOW TREE
G.L.M.	GAS LINE MARKER	P.V.C.	PLASTIC PIPE	W.M.	WATER METER
G.M.	GAS METER	P.V.I.	POINT OF VERTICAL INTERSECTION	W.V.	WATER VALVE

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.

TOWN OF ADDISON, TEXAS

ARTS AND EVENTS DISTRICT
EXISTING CONDITION PLAN

BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
CONSULTING ENGINEERS
Dallas, Texas

STATE OF TEXAS REGISTERED RONALD V. CONWAY 2349 PROFESSIONAL LAND SURVEYOR

DESIGNED BY: _____
DRAWN BY: _____
PROJECT: 2001-138
DATE: SEPTEMBER 2002
SHEET NO. 1 OF 2 SHEETS

REVISION DATE 09/12/02 R.J.L. 2001138\DWGS_TOPO.DWG SCALE: 1=40 BLOCKS: H:\PROJECTS\ADDISON\SPECIAL_PROJECT\WORK2.DWG BLOCKS: H:\PROJECTS\2001138\SURVEY\SUPPORT\MASTER-UPDATE.DWG

42"x30" FULL PLOT: 34x22.PCP HALF PLOT: 11x17.PCP

ADDISON CIRCLE

ADDISON ROAD

CLARA STREET

JULIAN STREET

QUORUM ROAD

ALLEY STREET

DART LIGHT RAIL

BENCH MARK (TBM-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

SURVEY COMPLETED 07-11-01

HORIZONTAL 0 40 80 120
SCALE IN FEET

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TOWN OF ADDISON, TEXAS

ARTS AND EVENTS DISTRICT
EXISTING CONTOURS

BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
CONSULTING ENGINEERS
Dallas, Texas

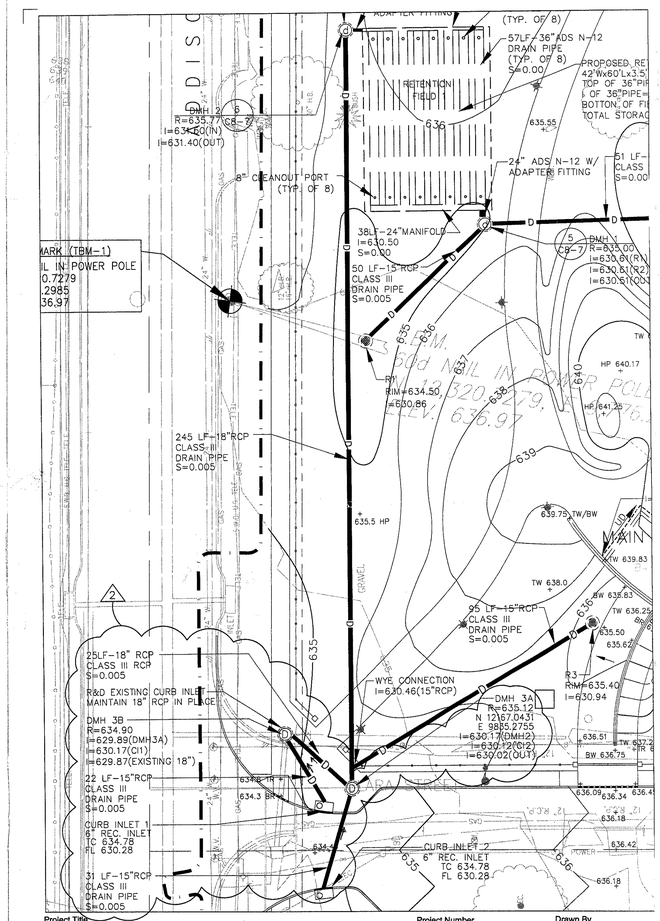
STATE OF TEXAS REGISTERED RONALD V. CONWAY 2349 PROFESSIONAL LAND SURVEYOR

4/4/02

DESIGNED BY: . DRAWN BY: .
PROJECT: 2001-138
DATE: SEPTEMBER 2002
SHEET NO. 2 OF 2 SHEETS

H:\PROJECTS\ADDISON\2001138\EVENT_CONTOUR.DWG SCALE: 1=40 BLOCKS: X
REVISION DATE: 03/15/02 INC.

42"x30" FULL PLOT: 34x22.PCP HALF PLOT: 11x17.PCP



Project Title
Addison Arts and Events District
Drawing Title
DRAINAGE REVISIONS AT FESTIVAL WAY / ADDISON ROAD

Project Number
14516.05
Ref. Dwg Number
C3-1

Drawn By TC/SM
Scale 1"=20'-0"
Date 4/1/03
Drawing Number
SK-13

SASAKI

64 Pleasant St Watertown, MA 02472 617 926 3300

Rec'd 4/4/03