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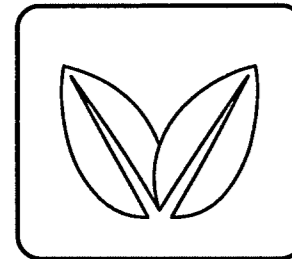
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**VITRUVIAN PARK  
CORNER SIGNAGE**  
ADDISON, TEXAS

**UDR**  
5430 LBJ FREEWAY, SUITE 1250  
DALLAS, TX 75240  
972.763.3510 PH/ 972.866.0163 F

**LINDA  
TYCHER  
& ASSOCIATES**  
LINDA TYCHER & ASSOCIATES, INC.  
11411 N. CENTRAL EXPRESSWAY, SUITE V  
DALLAS, TEXAS 75243 (214)750-1210

PREPARED BY: **LANDSCAPE ARCHITECT**  
**LINDA TYCHER & ASSOCIATES, INC.**  
11411 N. CENTRAL EXPRESSWAY, SUITE V  
DALLAS, TX. 75243

**STRUCTURAL ENGINEER**  
**VIEWTECH, INC.**  
4205 BELTWAY DR.  
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**CIVIL ENGINEER**  
**ICON, CONSULTING ENGINEERS, INC.**  
BICENTENNIAL FINANCIAL CENTER  
250 W. SOUTHLAKE BLVD., SUITE 117  
SOUTHLAKE, TX.76092

**GRAPHICS CONSULTANT**  
**LRK**  
175 TOYOTA PLAZA, SUITE 600  
MEMPHIS, TN 38103

**APPROVED FOR  
CONSTRUCTION**  
Town of Addison  
Public Works Department  
APPROVED BY: *Clay Bawert*  
DATE: 10-19-2010

All responsibility for the adequacy of these plans remains with the Engineer who prepared them. In approving these plans, the Town of Addison makes no representation of adequacy of the work of the Design Engineer.

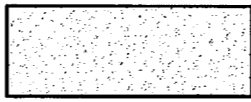





2007-01

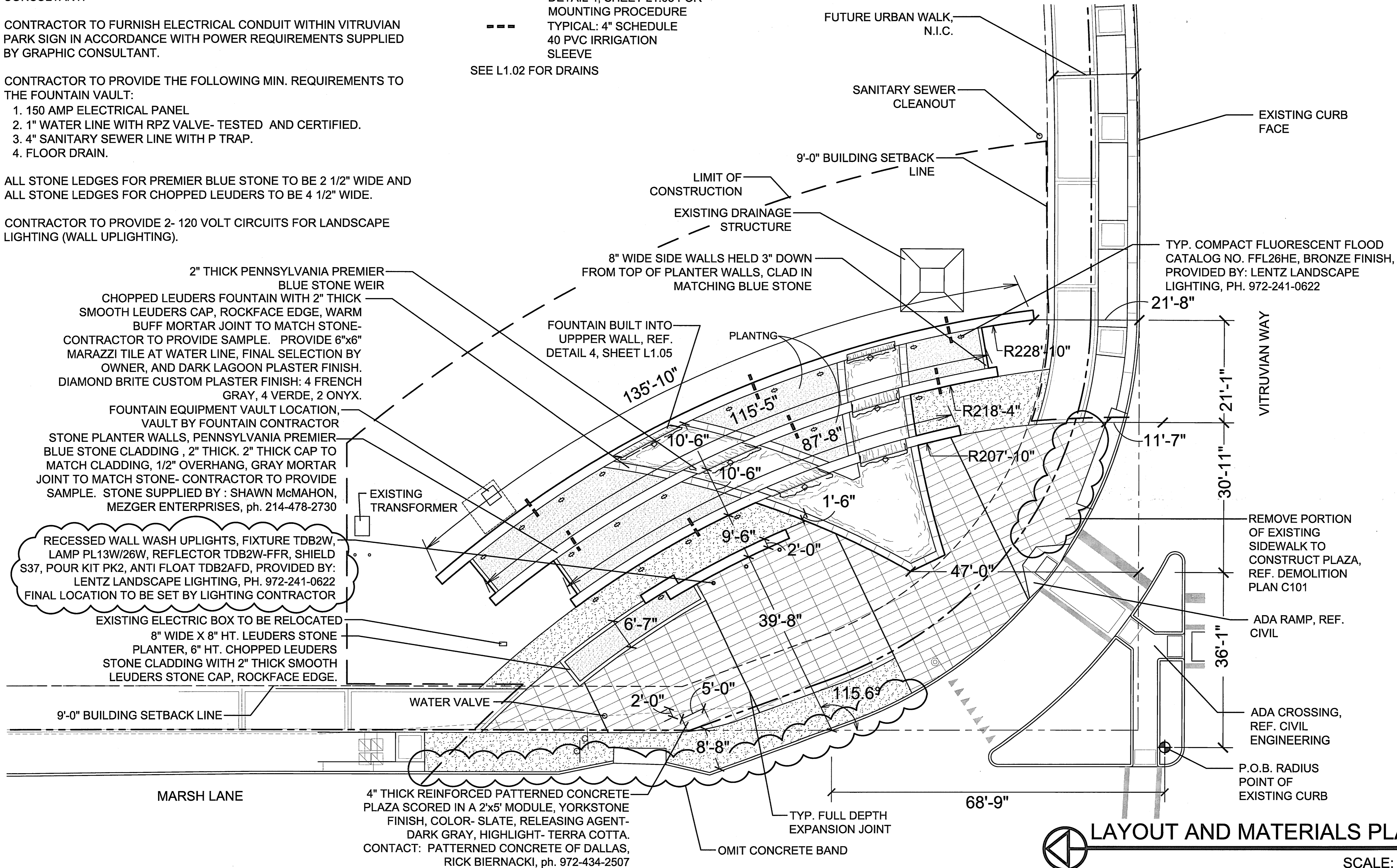
VITRUVIAN MONUMENT SIGN/FOUNTAIN

**CONTRACTOR NOTES**

1. CONTRACTOR TO PROVIDE 4'-0" x 4'-0" FIELD MOCKUP OF LEUDERS STONE WALL, PENNSYLVANIA PREMIER BLUE STONE WALL, AND PATTERNED CONCRETE FOR OWNER REVIEW.
2. NO PIERS TO BE DRILLED UNTIL PLAZA, WALLS, AND SIGN HAVE ALL BEEN LAID OUT IN THE FIELD AND APPROVED BY OWNER.
3. CONTRACTOR TO OBTAIN ALL SIGN AND FOUNTAIN PERMITS
4. CONTRACTOR TO FURNISH ELECTRICAL CONDUIT WITHIN 16' HT. SIGN IN ACCORDANCE WITH POWER REQUIREMENTS SUPPLIED BY GRAPHIC CONSULTANT.
5. CONTRACTOR TO FURNISH ELECTRICAL CONDUIT WITHIN VITRUVIAN PARK SIGN IN ACCORDANCE WITH POWER REQUIREMENTS SUPPLIED BY GRAPHIC CONSULTANT.
6. CONTRACTOR TO PROVIDE THE FOLLOWING MIN. REQUIREMENTS TO THE FOUNTAIN VAULT:
  1. 150 AMP ELECTRICAL PANEL
  2. 1" WATER LINE WITH RPZ VALVE- TESTED AND CERTIFIED.
  3. 4" SANITARY SEWER LINE WITH P TRAP.
  4. FLOOR DRAIN.
7. ALL STONE LEDGES FOR PREMIER BLUE STONE TO BE 2 1/2" WIDE AND ALL STONE LEDGES FOR CHOPPED LEUDERS TO BE 4 1/2" WIDE.
8. CONTRACTOR TO PROVIDE 2- 120 VOLT CIRCUITS FOR LANDSCAPE LIGHTING (WALL UPLIGHTING).

**LEGEND**

-  DENOTES ABOVE GROUND PLANTER
  -  DENOTES AT GRADE PLANTING BED
  -  COMPACT FLUORESCENT FLOOD WALL WASH UPLIGHT
  -  GROUND RECESSED WALL WASH UPLIGHT
  -  RECESSED FOUNTAIN UPLIGHTS BY POOL CONTRACTOR, REF. DETAIL 4, SHEET L1.05 FOR MOUNTING PROCEDURE
  -  TYPICAL: 4" SCHEDULE 40 PVC IRRIGATION SLEEVE
- SEE L1.02 FOR DRAINS



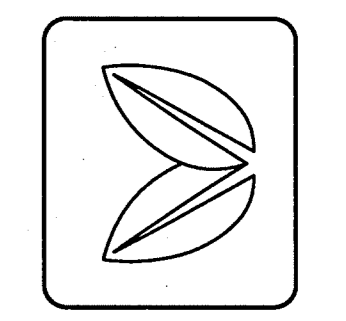
**LAYOUT AND MATERIALS PLAN**  
SCALE: 1"=10'-0"

LINDA TYCHER & ASSOCIATES, INC.  
11411 N. CENTRAL EXPRESSWAY, SUITE V  
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**VITRUVIAN PARK  
CORNER SIGNAGE**  
ADDISON, TEXAS



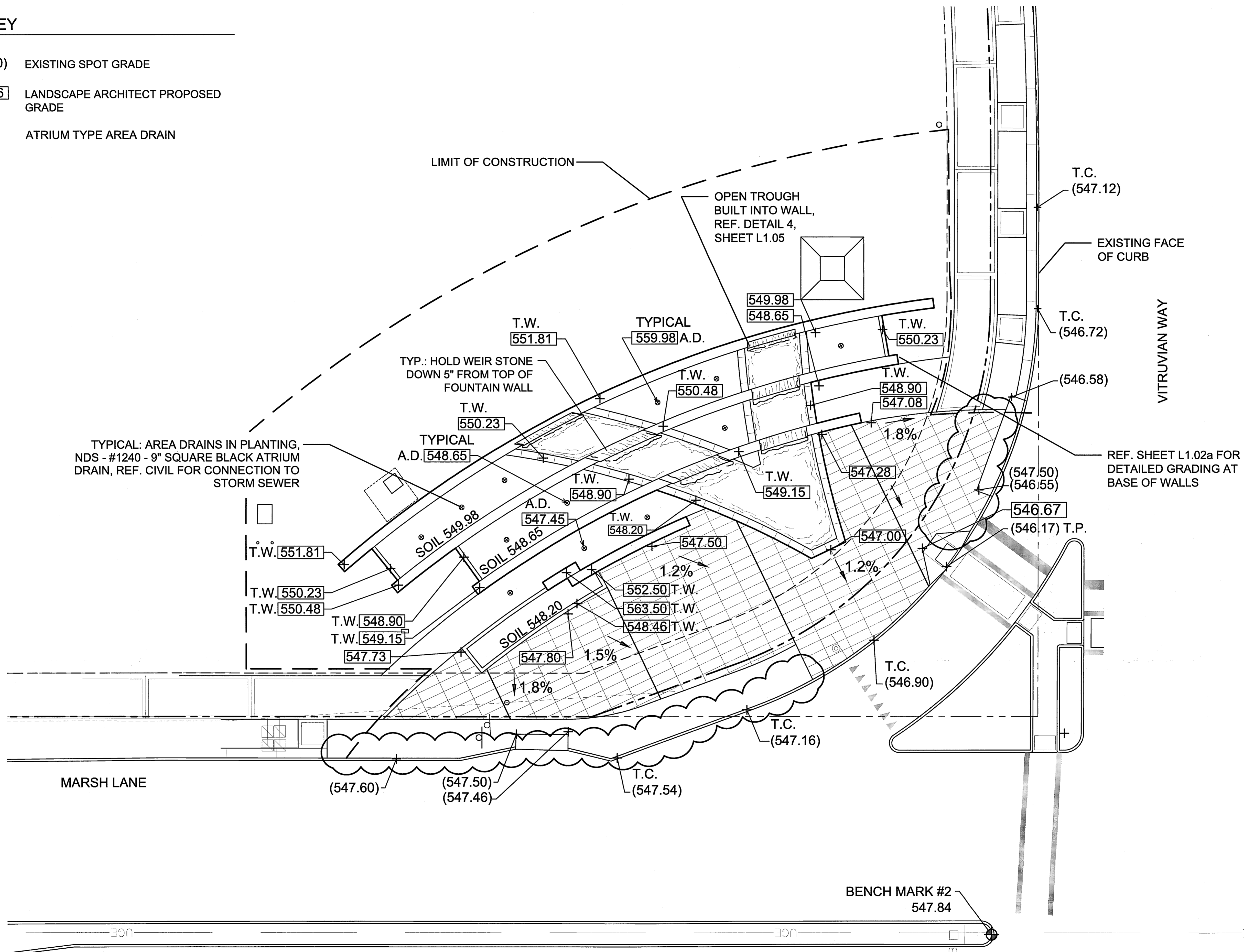
REVISIONS  
1. REVISED FOUNTAIN LAYOUT 8/13/10  
2. ISSUE FOR CONSTRUCTION 8/15/10

ISSUE ISSUE FOR CONSTRUCTION  
DATE 7-1-10  
JOB NUMBER  
DRAWN BY TS  
CHECKED BY LT  
SHEET TITLE  
LAYOUT AND MATERIALS PLAN  
SHEET NUMBER

**L1.01**

**GRADING KEY**

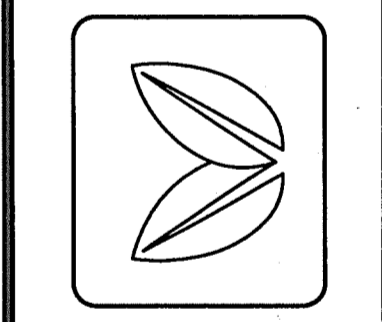
- (547.10) EXISTING SPOT GRADE
- 546.46 LANDSCAPE ARCHITECT PROPOSED GRADE
- ATRIUM TYPE AREA DRAIN



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SHEET TITLE  
 LANDSCAPE  
 GRADING  
 PLAN

SHEET NUMBER  
**L1.02**

EXISTING GRADES RECEIVED FROM  
 ICON 6/11/10

**LANDSCAPE GRADING PLAN**  
 SCALE: 1"=10'-0"

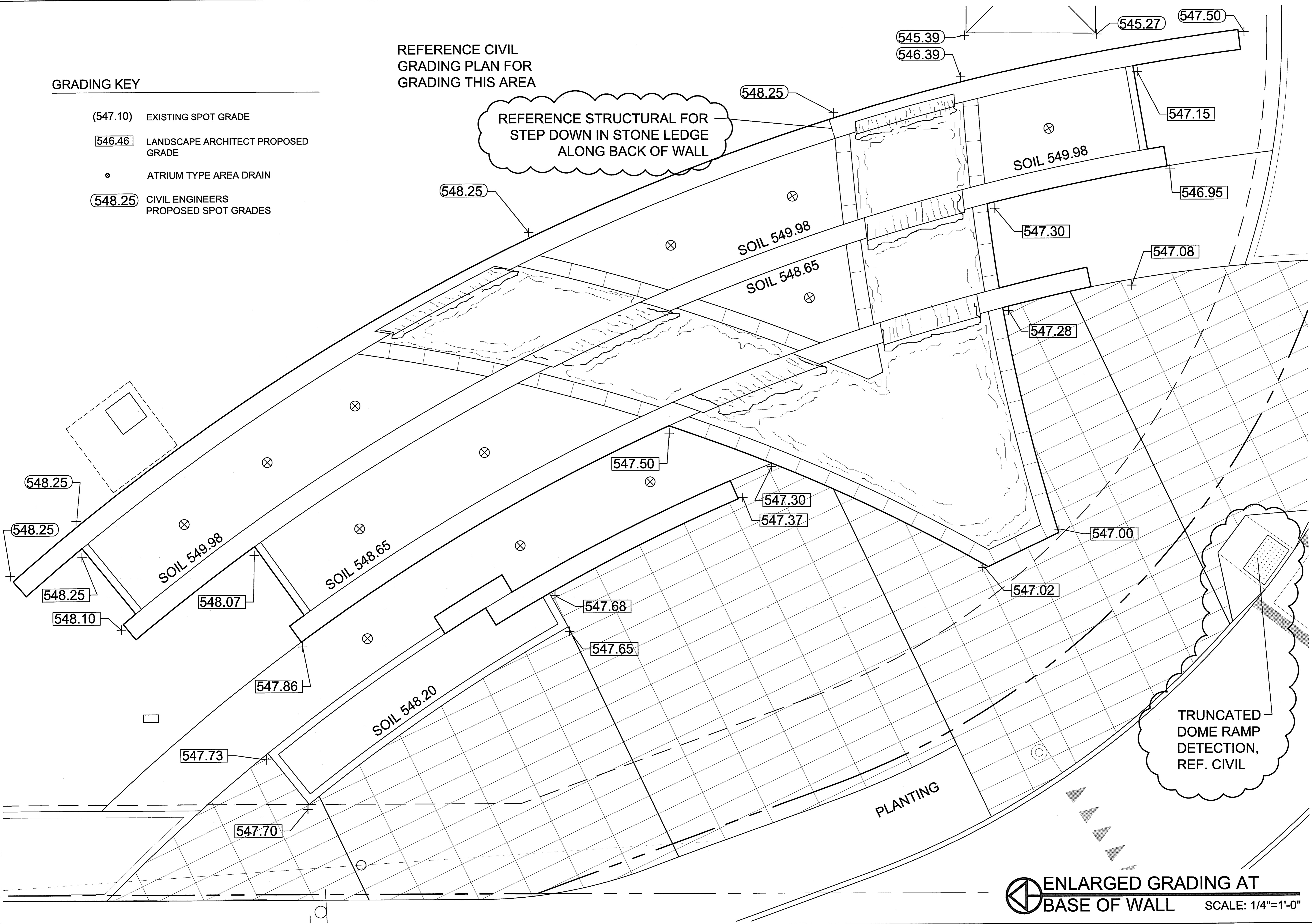
**GRADING KEY**

- (547.10) EXISTING SPOT GRADE
- 546.46 LANDSCAPE ARCHITECT PROPOSED GRADE
- ⊗ ATRIUM TYPE AREA DRAIN
- 548.25 CIVIL ENGINEERS PROPOSED SPOT GRADES

REFERENCE CIVIL GRADING PLAN FOR GRADING THIS AREA

REFERENCE STRUCTURAL FOR STEP DOWN IN STONE LEDGE ALONG BACK OF WALL

TRUNCATED DOME RAMP DETECTION, REF. CIVIL

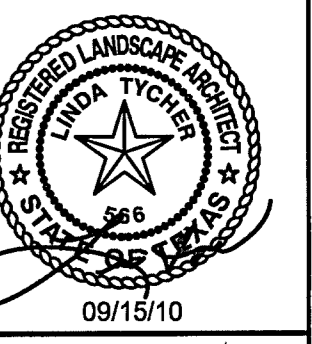
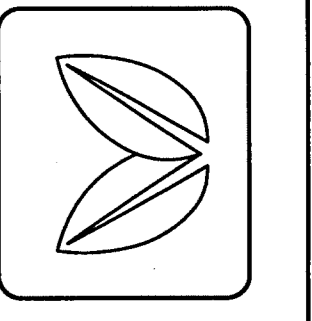


**ENLARGED GRADING AT BASE OF WALL** SCALE: 1/4"=1'-0"

LINDA TYCHER & ASSOCIATES, INC.  
 LINDA TYCHER & ASSOCIATES  
 2141750-1210

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**VITRUVIAN PARK CORNER SIGNAGE**  
 ADDISON, TEXAS

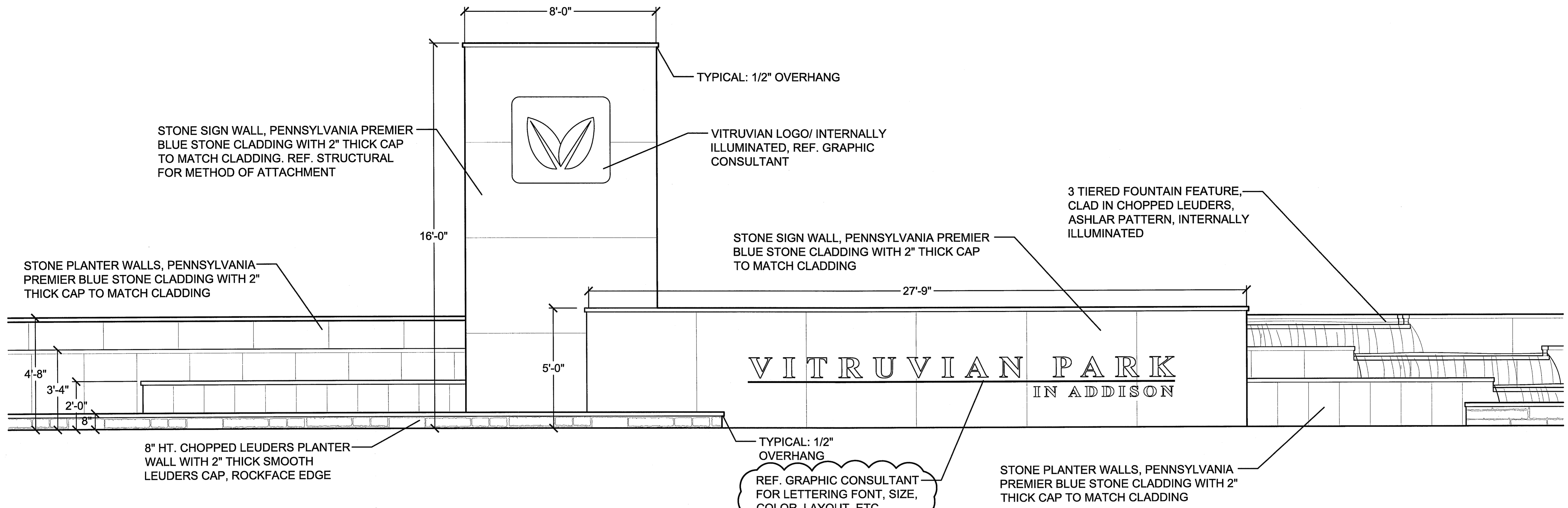


**REVISIONS**  
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ISSUE ISSUE FOR CONSTRUCTION  
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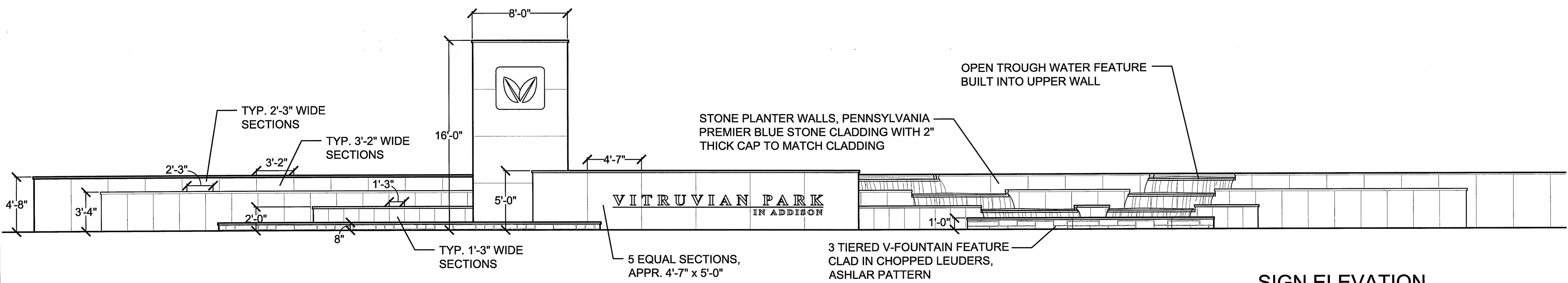
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**ENLARGED GRADING AT BASE OF WALL**  
 SHEET NUMBER

**L1.02a**



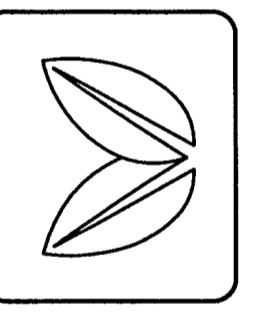
**SIGN ELEVATION ENLARGEMENT**

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



**SIGN ELEVATION**

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



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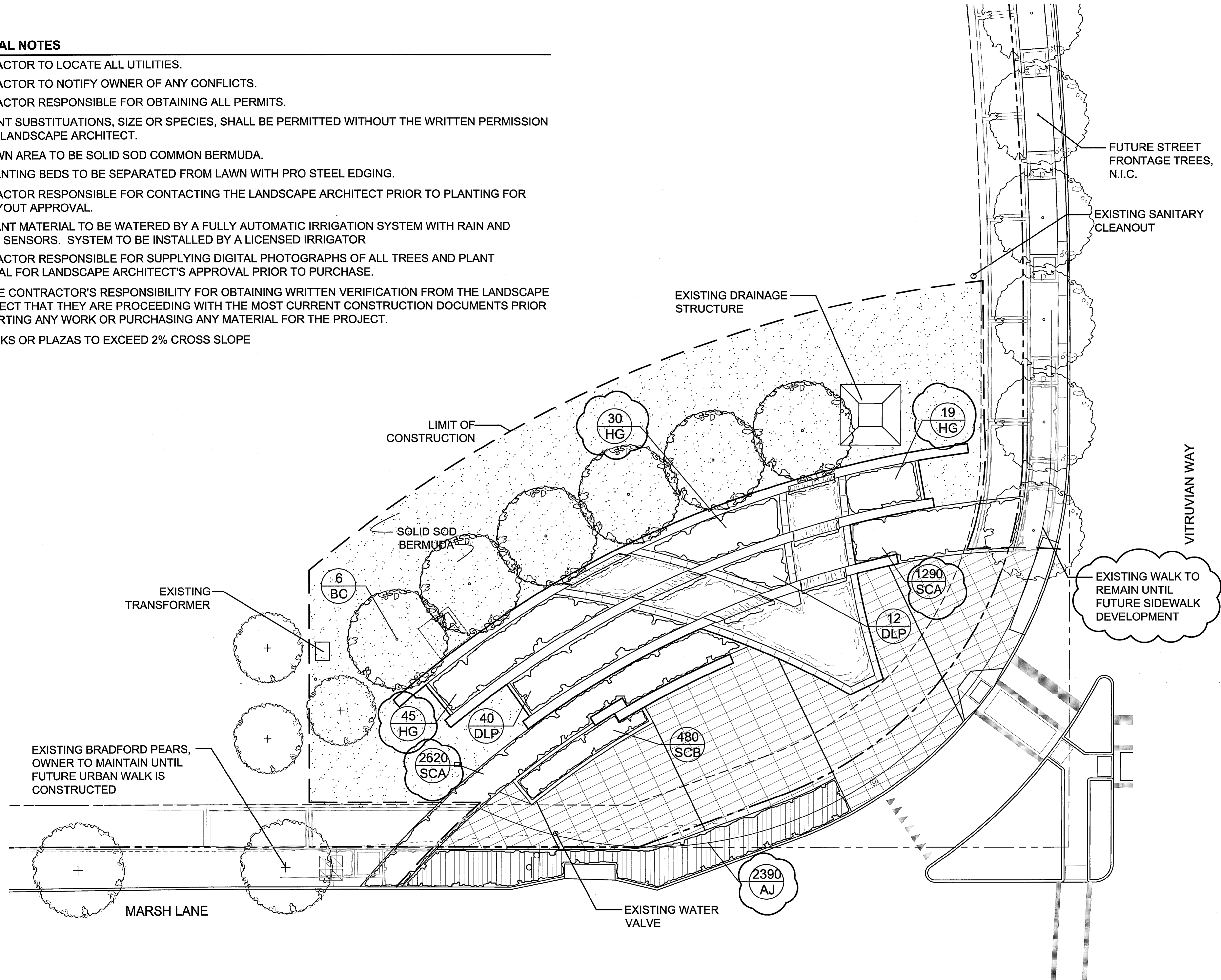
SHEET TITLE  
**SIGN ELEVATIONS**

SHEET NUMBER

**L1.03**

**GENERAL NOTES**

- CONTRACTOR TO LOCATE ALL UTILITIES.
- CONTRACTOR TO NOTIFY OWNER OF ANY CONFLICTS.
- CONTRACTOR RESPONSIBLE FOR OBTAINING ALL PERMITS.
- NO PLANT SUBSTITUTIONS, SIZE OR SPECIES, SHALL BE PERMITTED WITHOUT THE WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT.
- ALL LAWN AREA TO BE SOLID SOD COMMON BERMUDA.
- ALL PLANTING BEDS TO BE SEPARATED FROM LAWN WITH PRO STEEL EDGING.
- CONTRACTOR RESPONSIBLE FOR CONTACTING THE LANDSCAPE ARCHITECT PRIOR TO PLANTING FOR BED LAYOUT APPROVAL.
- ALL PLANT MATERIAL TO BE WATERED BY A FULLY AUTOMATIC IRRIGATION SYSTEM WITH RAIN AND FREEZE SENSORS. SYSTEM TO BE INSTALLED BY A LICENSED IRRIGATOR
- CONTRACTOR RESPONSIBLE FOR SUPPLYING DIGITAL PHOTOGRAPHS OF ALL TREES AND PLANT MATERIAL FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO PURCHASE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY FOR OBTAINING WRITTEN VERIFICATION FROM THE LANDSCAPE ARCHITECT THAT THEY ARE PROCEEDING WITH THE MOST CURRENT CONSTRUCTION DOCUMENTS PRIOR TO STARTING ANY WORK OR PURCHASING ANY MATERIAL FOR THE PROJECT.
- NO WALKS OR PLAZAS TO EXCEED 2% CROSS SLOPE

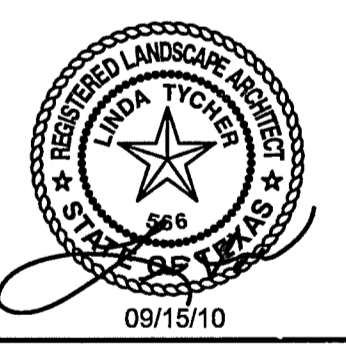
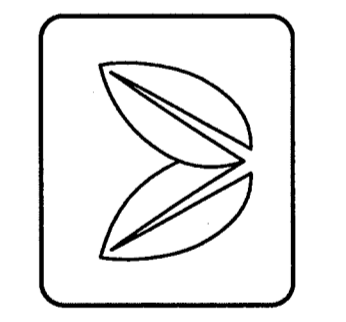


**LANDSCAPE PLANTING PLAN**  
SCALE: 1"=10'-0"

**LINDA TYCHER & ASSOCIATES, INC.**  
 11411 N. CENTRAL EXPRESSWAY, SUITE V  
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 ADDISON, TEXAS

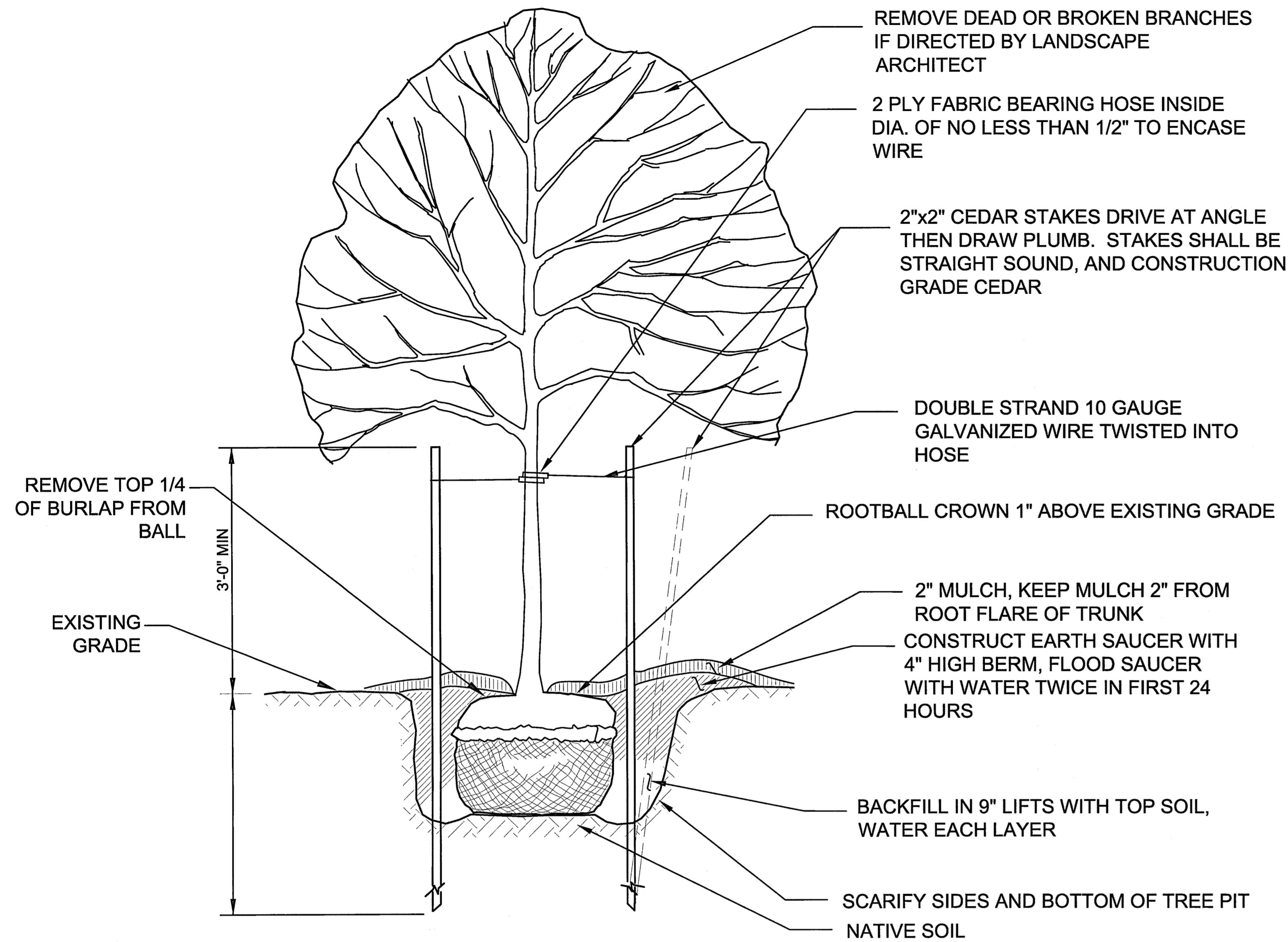


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ISSUE \_\_\_\_\_ ISSUE FOR CONSTRUCTION \_\_\_\_\_  
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 DRAWN BY \_\_\_\_\_ TS  
 CHECKED BY \_\_\_\_\_ LT

SHEET TITLE  
**LANDSCAPE PLANTING PLAN**

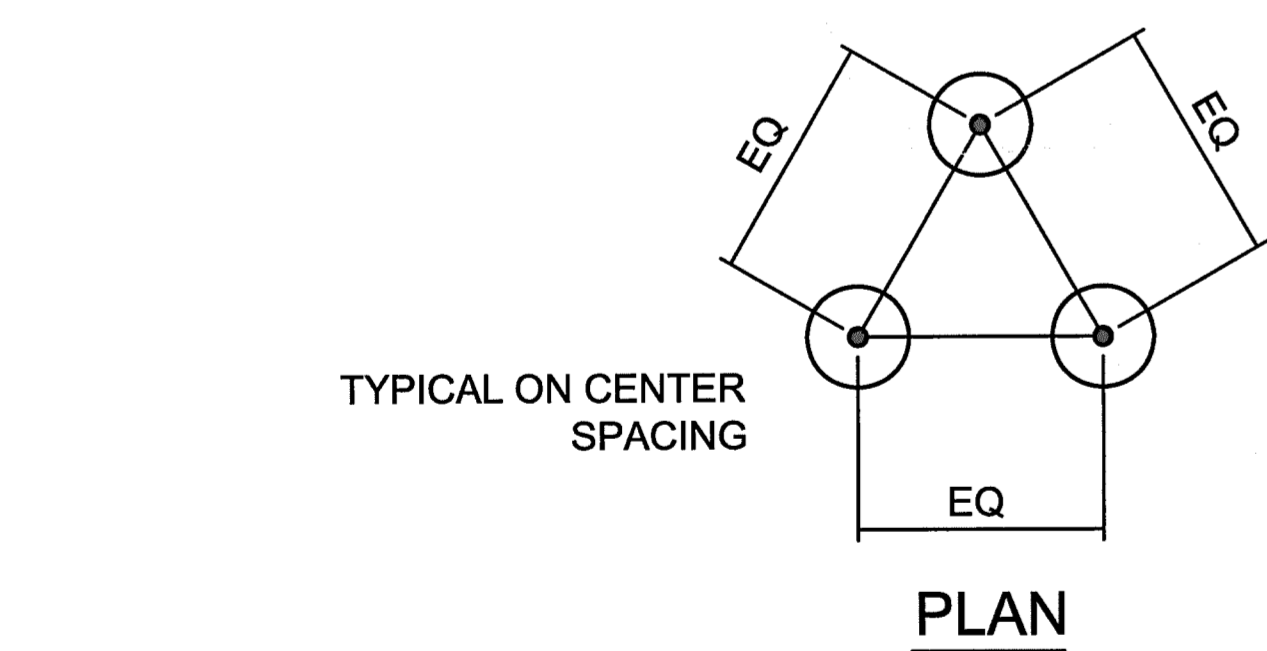
SHEET NUMBER  
**L1.04**



**1 TREE STAKING/PLANTING PROCEDURE**

NOTE: THE STAKING ON THIS DETAIL FOR ALL ORNAMENTALS AND TREES 4" CALIPER AND LESS. PLANTING PROCEDURE UTILIZED FOR ALL TREES

SCALE: NTS



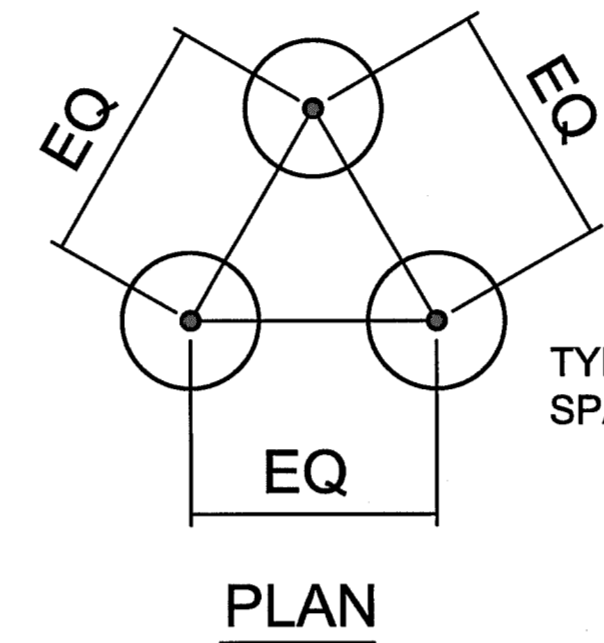
**SECTION**

**2 GROUNDCOVER PLANTING DETAIL**

SCALE: NTS

**PLANT LIST**

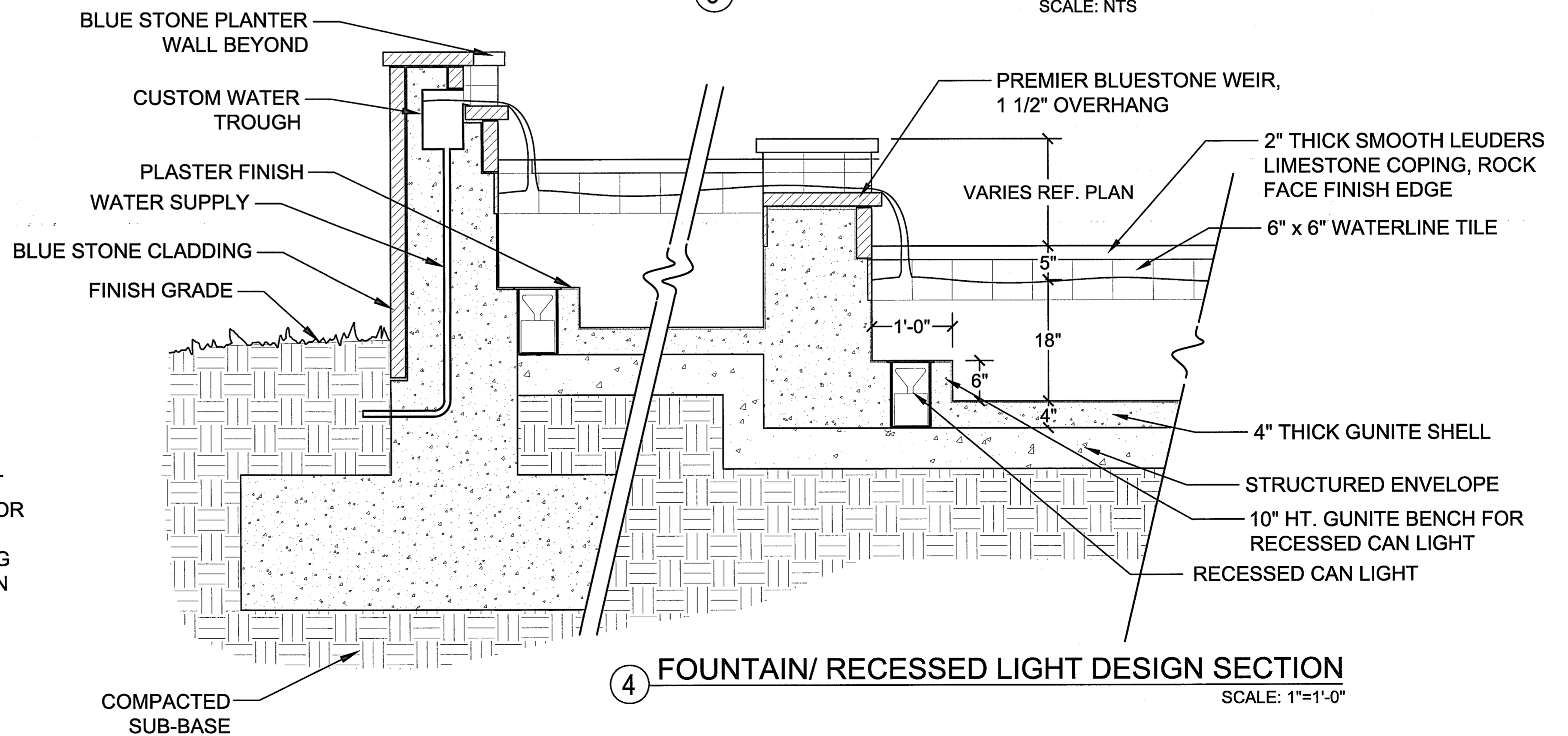
| TREES           |                                      |                              |         |            |                                   |
|-----------------|--------------------------------------|------------------------------|---------|------------|-----------------------------------|
| CODE            | BOTANICAL NAME                       | COMMON NAME                  | SIZE    | SPACING    | COMMENTS                          |
| BC              | TAXODIUM DISTICHUM                   | BALD CYPRESS                 | 6" CAL. | AS SHOWN   | SINGLE STRAIGHT TRUNK, 16-18' HT. |
| CM              | LAGERSTROEMIA INDICA 'TUSCARORA RED' | 'TUSCARORA RED' CRAPE MYRTLE | 65 GAL. | AS SHOWN   | MULTI-TRUNK, 3 TRUNK MIN.         |
| SHRUBS/ GRASSES |                                      |                              |         |            |                                   |
| CODE            | BOTANICAL NAME                       | COMMON NAME                  | SIZE    | SPACING    | COMMENTS                          |
| DLP             | LOROPETALUM 'PURPLE DIAMOND'         | 'PURPLE DIAMOND' LOROPETALUM | 5 GAL.  | 2'-0" O.C. | FULL PLANT, 24" HT. MIN.          |
| HG              | PENNISETUM ALOPECUROIDES 'HAMELN'    | 'HAMELN' GRASS               | 5 GAL.  | 2'-6" O.C. | FULL PLANT, 24" HT. MIN.          |
| GROUND COVER    |                                      |                              |         |            |                                   |
| CODE            | BOTANICAL NAME                       | COMMON NAME                  | SIZE    | SPACING    | COMMENTS                          |
| AJ              | TRACHELOSPERMUM ASIATICUM            | ASIAN JASMINE                | 4" POT  | 6" O.C.    | FULL PLANT                        |
| SCA             | SEASONAL COLOR                       | SEASONAL COLOR               | 4" POT  | 6" O.C.    | FULL PLANT                        |
| SCB             | SEASONAL COLOR                       | SEASONAL COLOR               | 4" POT  | 6" O.C.    | FULL PLANT                        |



**SECTION**

**3 SHRUB PLANTING DETAIL**

SCALE: NTS



**4 FOUNTAIN/ RECESSED LIGHT DESIGN SECTION**

SCALE: 1"=1'-0"

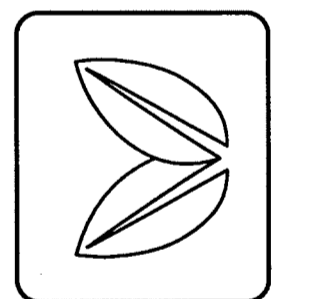
**CONSTRUCTION DETAILS**

SCALE: AS NOTED

LINDA TYCHER & ASSOCIATES, INC.  
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**VITRUVIAN PARK  
CORNER SIGNAGE**  
ADDISON, TEXAS



REVISIONS  
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ISSUE FOR CONSTRUCTION

DATE 7-1-10

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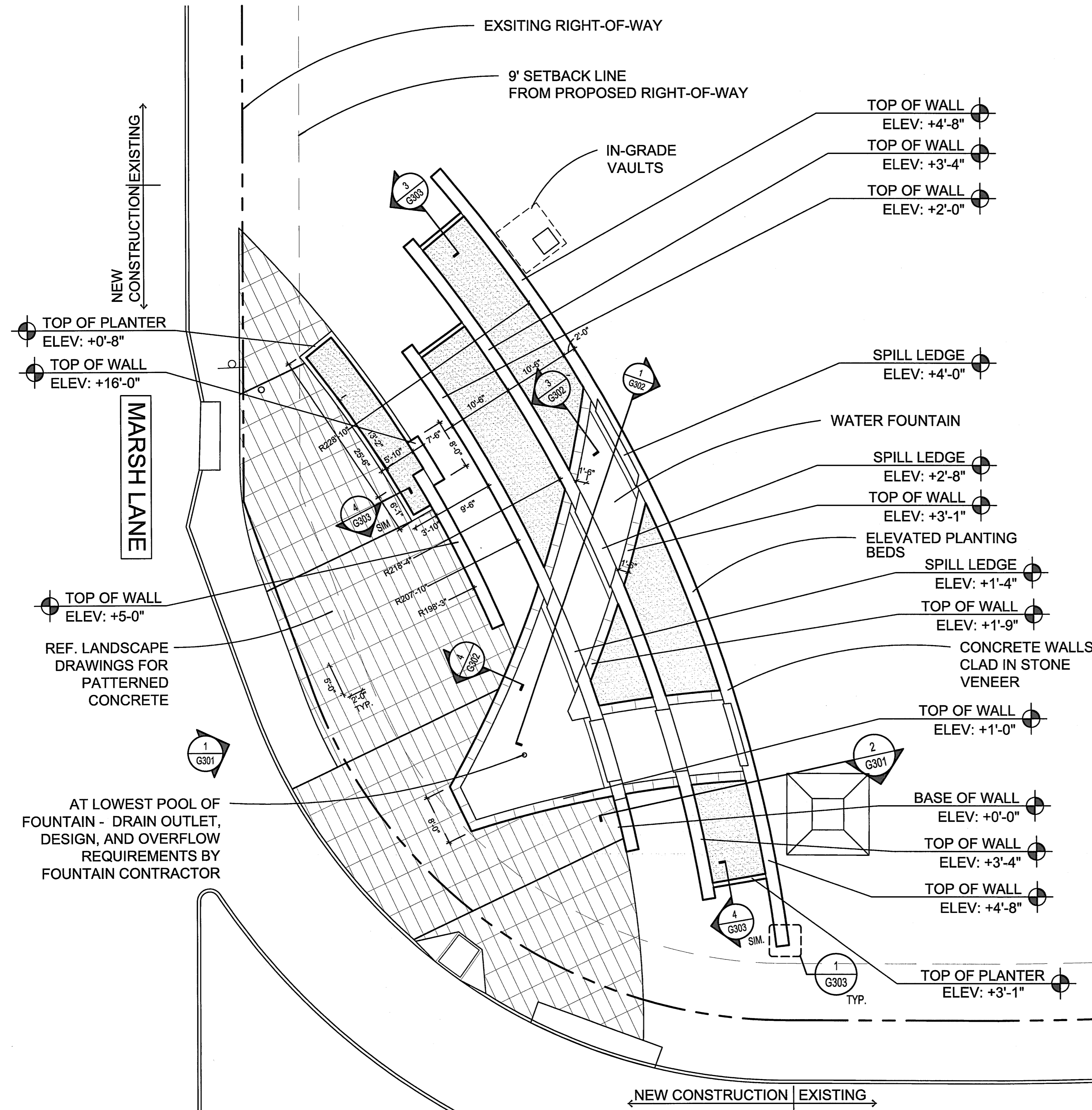
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CONSTRUCTION DETAILS

SHEET NUMBER

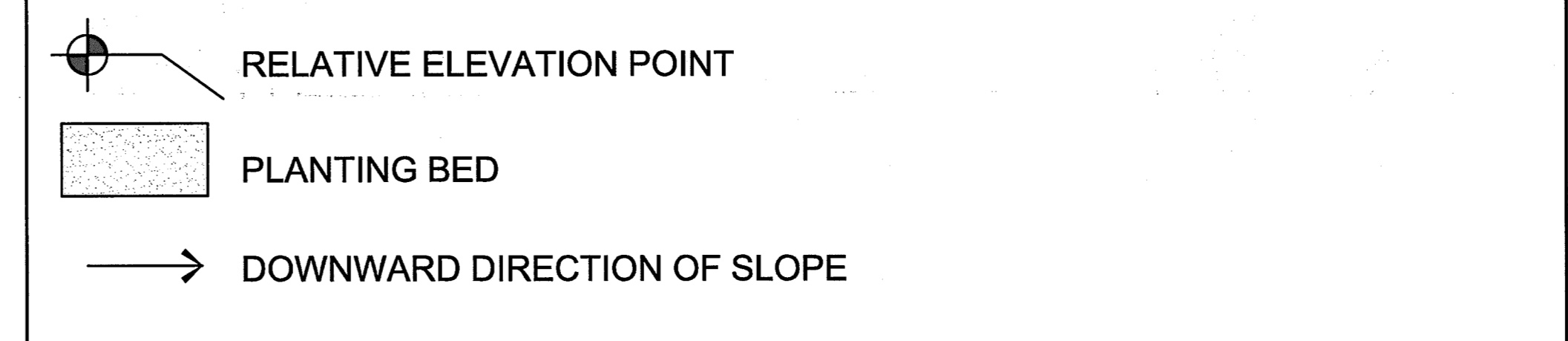
**L1.05**



**SITE NOTES**

1. THE ARCHITECTURAL SITE PLAN GRAPHICALLY INDICATES THE APPROXIMATE LOCATIONS OF THE IMPROVEMENTS. REFER TO CIVIL ENGINEER'S AND LANDSCAPE ARCHITECT'S PLANS FOR ALL HORIZONTAL DIMENSIONAL CONTROL.
2. THE CONTRACTOR SHALL VERIFY ALL SITE DIMENSIONS, EXISTING GRADES AND UTILITIES, TREE LOCATIONS, AND PROPOSED CORNER SIGNAGE/ FOUNTAIN/ AND PLANTER WALL LOCATIONS AT THE PROJECT SITE AND SHALL ADVISE THE OWNER AND LANDSCAPE ARCHITECT OF ANY RECOMMENDED MODIFICATIONS PRIOR TO THE START OF ANY WORK.
3. THE CONTRACTOR SHALL COORDINATE FINAL GRADING AND PAVING AS REQUIRED FOR POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES.
4. THE CONTRACTOR SHALL LOCATE ALL UTILITY SERVICES (WATER, SEWER, GAS, ELECTRIC, TELEPHONE, CABLE TV) AND COORDINATE THE EXTENSIONS TO THE BUILDINGS. ALL CONNECTIONS, METERS, CLEAN OUTS, ETC., SHALL BE LOCATED IN NON-VISUALLY OFFENSIVE AREAS.
5. ALL INFORMATION RELATED TO THE SITE PROPERTY HAS BEEN PROVIDED BY THE OWNER'S SURVEYOR.
6. REFER TO CIVIL DRAWINGS FOR LOCATION OF SITE UTILITIES, EASEMENTS AND RIGHTS OF WAY.
7. PROTECT ALL EXISTING VEGETATION, INCLUDING TREES UNLESS SPECIFICALLY ANNOTATED TO BE REMOVED.
8. REFERENCE LANDSCAPE ARCHITECT DRAWINGS FOR EXTERIOR SIDEWALK AND SLAB CONSTRUCTION.
9. REFERENCE STRUCTURAL DRAWINGS FOR CONCRETE MIX DESIGN, REBAR LAYOUT, AND FOOTING DESIGN.
10. VERIFY ALL EXISTING CONDITIONS AND REPORT TO LANDSCAPE ARCHITECT ANY UNUSUAL CONDITIONS OR DISCREPANCIES PRIOR TO THE COMMENCEMENT OF WORK.
11. PROVIDE EROSION CONTROL METHODS, SECURITY FENCE, AND SAFETY FENCE AROUND PROJECT SITE PER CITY REQUIREMENTS.

**SITE PLAN LEGEND**



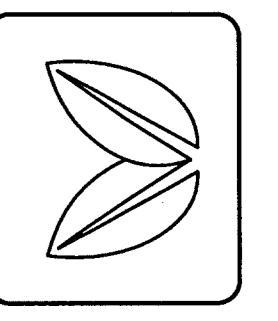
**1 ARCHITECTURAL SITE PLAN**  
1" = 10'-0"

ADD CONTINUOUS 1/2" CONSTRUCTION JOINT AT PERIMETER OF PATTERNED CONCRETE PAVING FOR ADDITION OF LATER WALKWAYS

**VITRUVIAN WAY**

MODIFICATION MADE TO DRAWINGS PROVIDED BY LRK ON 6/18/10.

1. INSERTED CURRENT LANDSCAPE ARCHITECTURAL BASE.
2. ADJUSTED TOP OF WALL ELEVATION TO MATCH CURRENT WALL LAYOUT.
3. REMOVED MAINTENANCE STRIP AT BACK OF WALL.
4. RELOCATED EQUIPMENT VAULT.
5. MODIFIED NOTE TO REFERENCE FOUNTAIN CONSULTANT NOT MEP.
6. MODIFIED PATTERNED CONCRETE CALL OUT TO REFERENCE LANDSCAPE DRAWINGS.
7. MODIFIED NOTE REGARDING LOWER FOUNTAIN BASIN TO REFERENCE FOUNTAIN CONSULTANT.



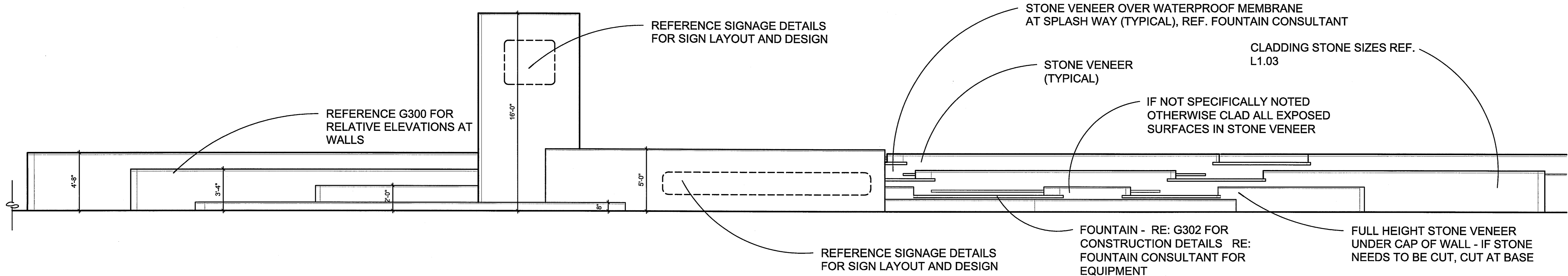
REVISIONS  
1. FOUNTAIN LAYOUT REVISION 9/13/10  
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ISSUE FOR CONSTRUCTION  
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CHECKED BY LT

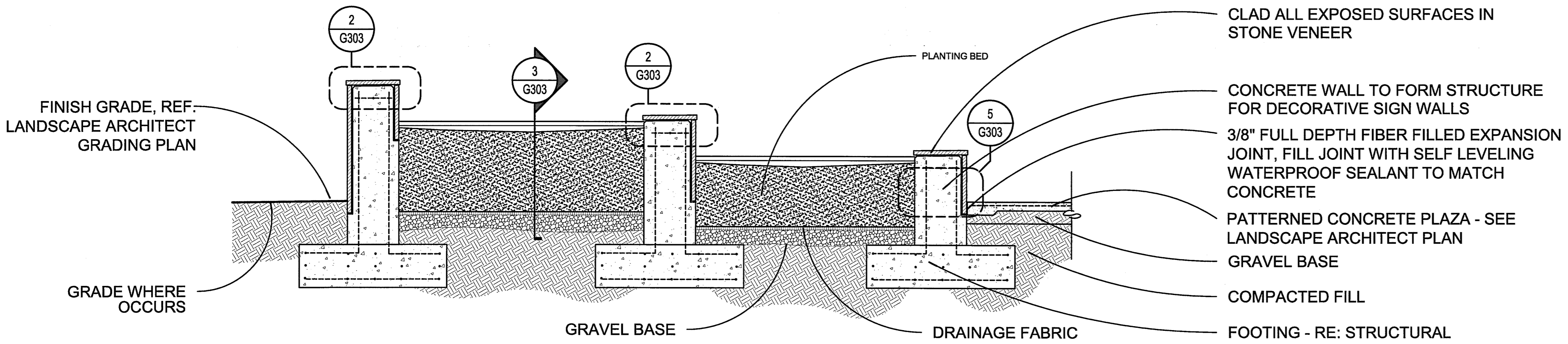
SHEET TITLE  
**MONUMENT  
SIGNAGE  
OVERALL PLAN**

SHEET NUMBER  
**G300**





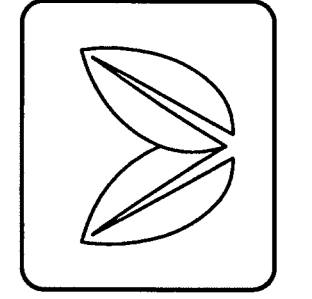
**1** ELEVATION SIGNS AND PLANTER WALLS  
1/4" = 1'-0"



**2** PLANTER SECTION  
3/8" = 1'-0"

MODIFICATION MADE TO DRAWINGS PROVIDED BY LRK ON 6/18/10.

1. MODIFIED WALL HEIGHTS TO MATCH CURRENT LANDSCAPE DRAWINGS.
2. REMOVED MAINTENANCE STRIP AT BACK OF WALL DETAIL.
3. ADJUSTED STONE LEDGES
4. ADJUSTED STONE CLADDING THICKNESS

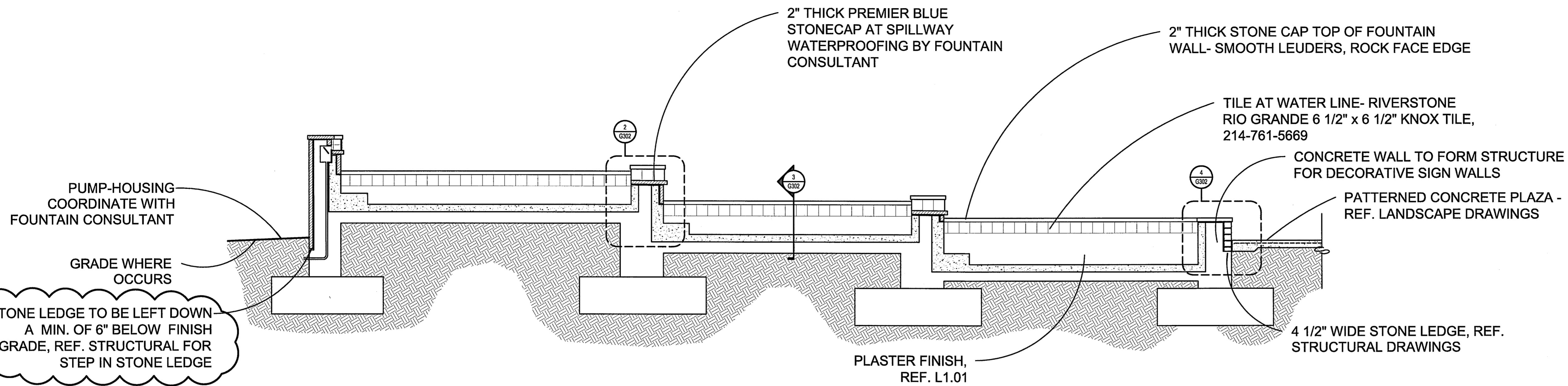


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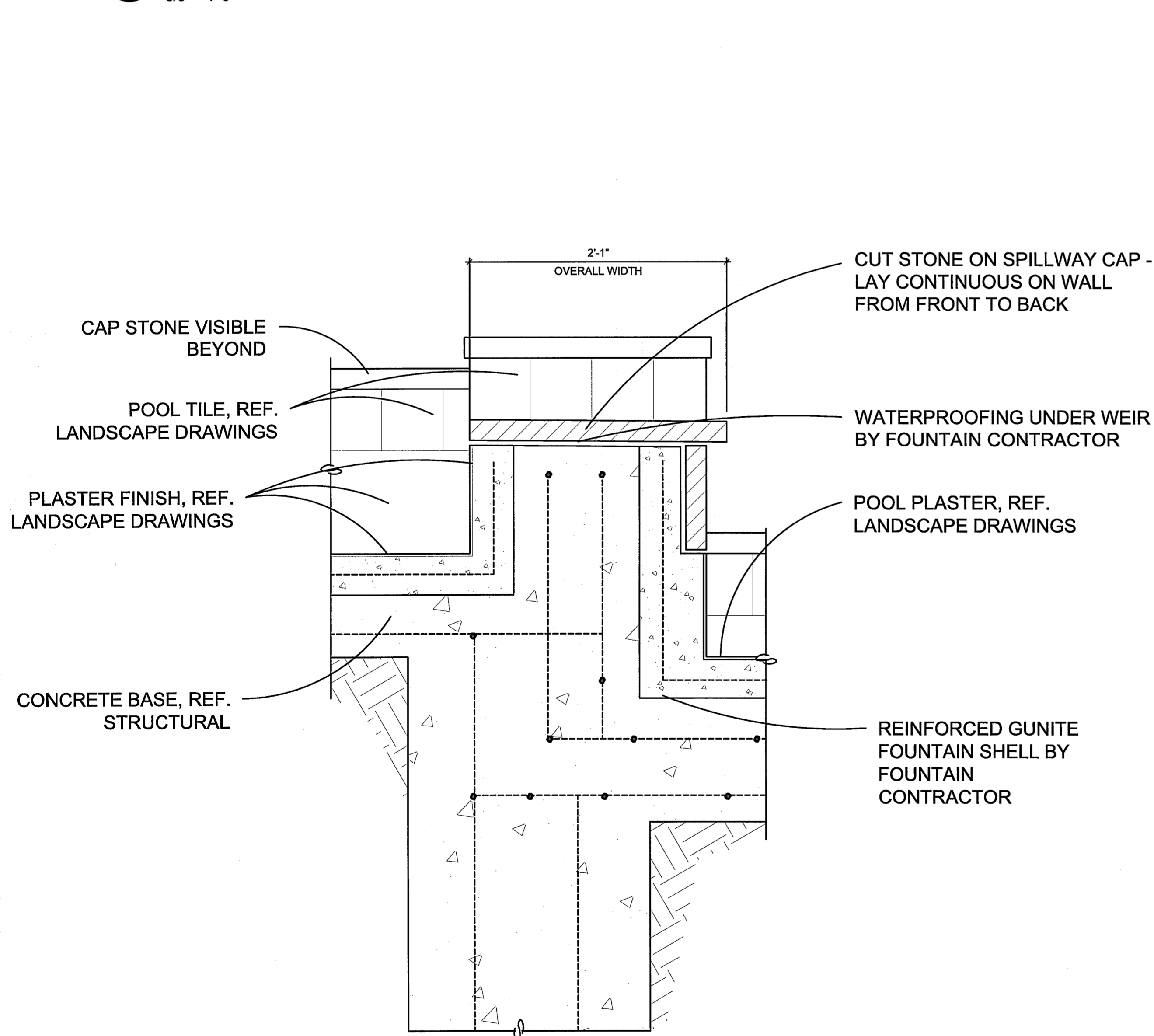
ISSUE FOR CONSTRUCTION  
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SHEET TITLE  
**MONUMENT  
SIGNAGE  
ELEVATION /  
SECTION**

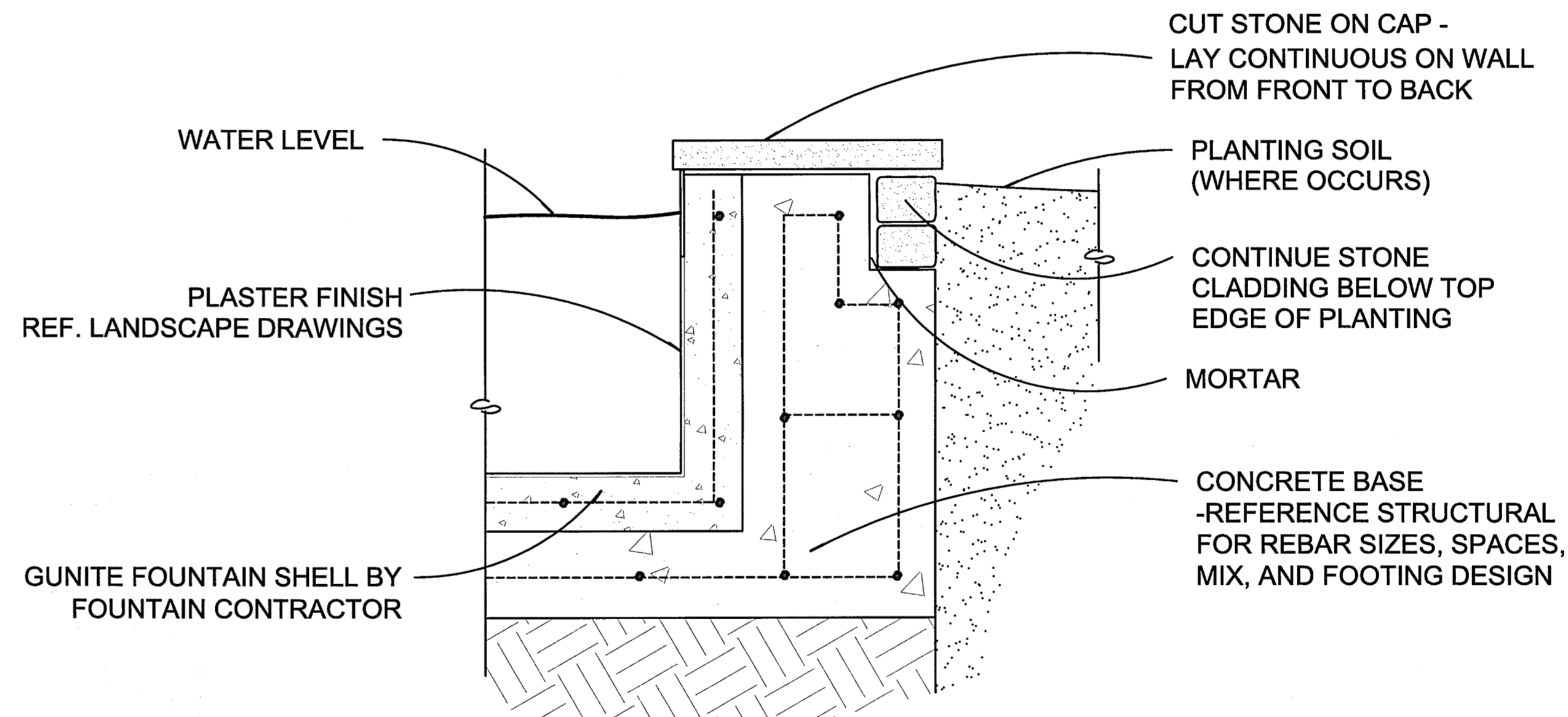
SHEET NUMBER  
**G301**



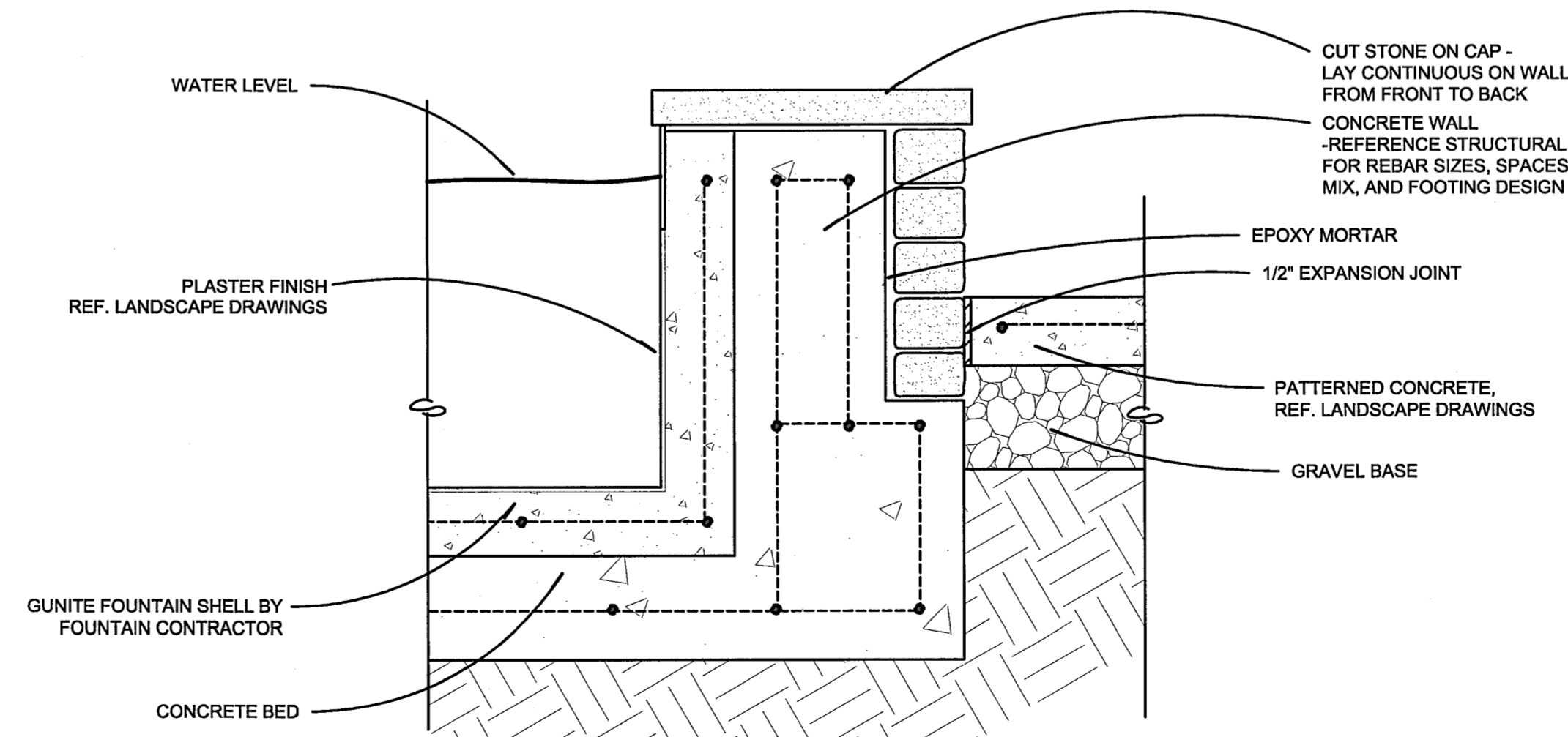
**1 FOUNTAIN SECTION**  
3/8" = 1'-0"



**2 SECTION DETAIL - FOUNTAIN WALL**  
1-1/2" = 1'-0"

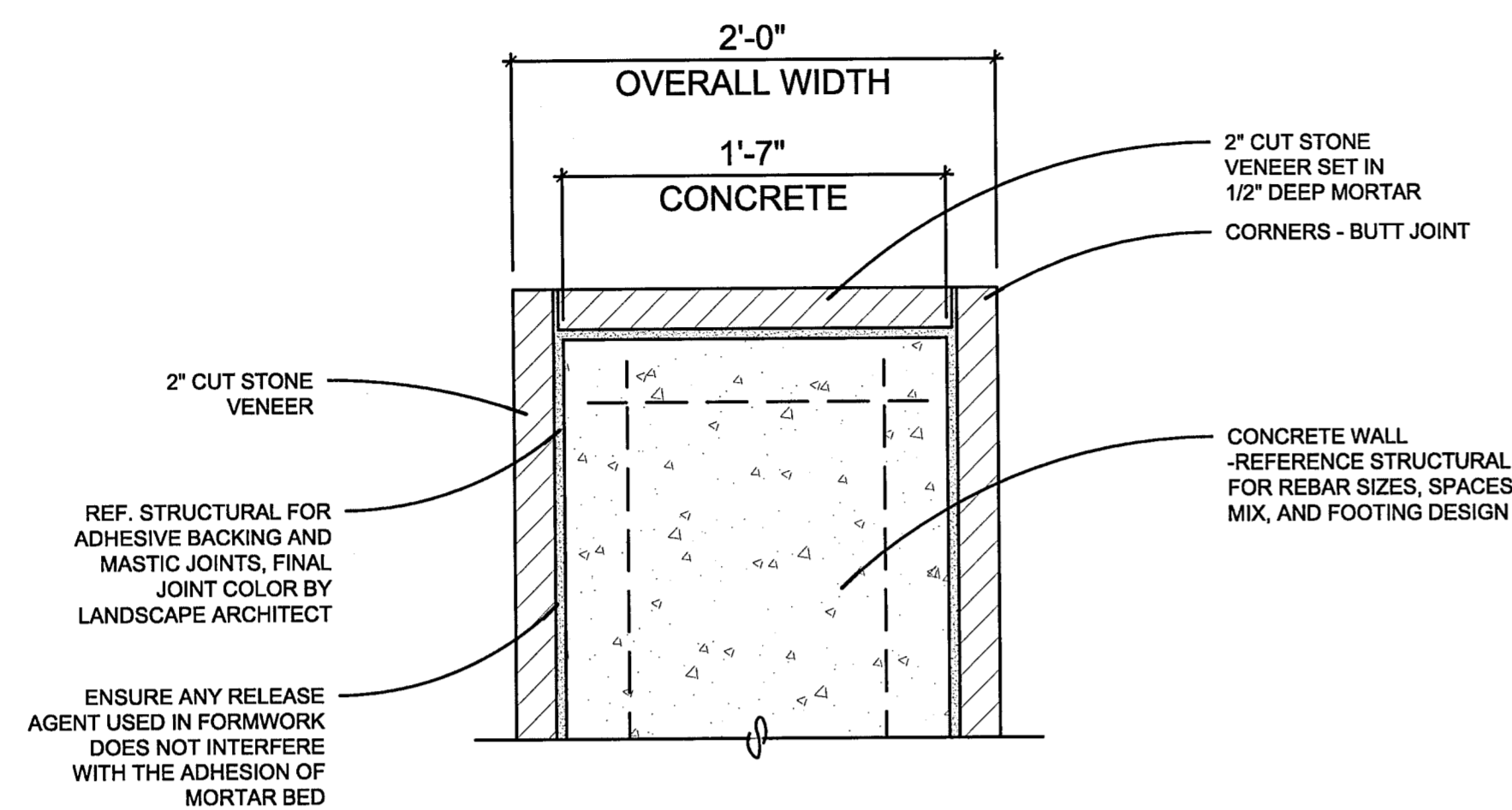


**3 SECTION DETAIL - FOUNTAIN WALL**  
1-1/2" = 1'-0"

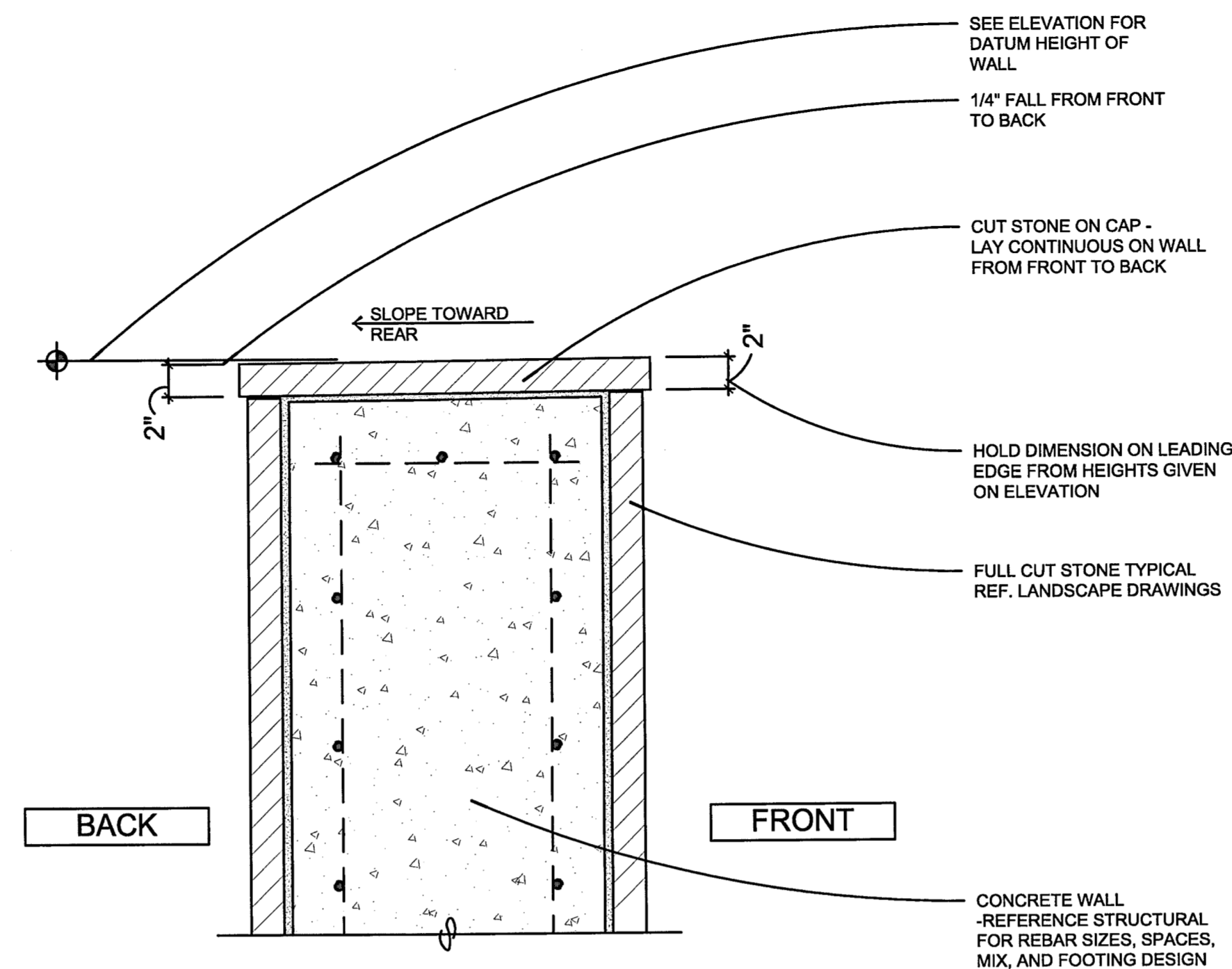


**4 SECTION DETAIL - FOUNTAIN WALL**  
1-1/2" = 1'-0"

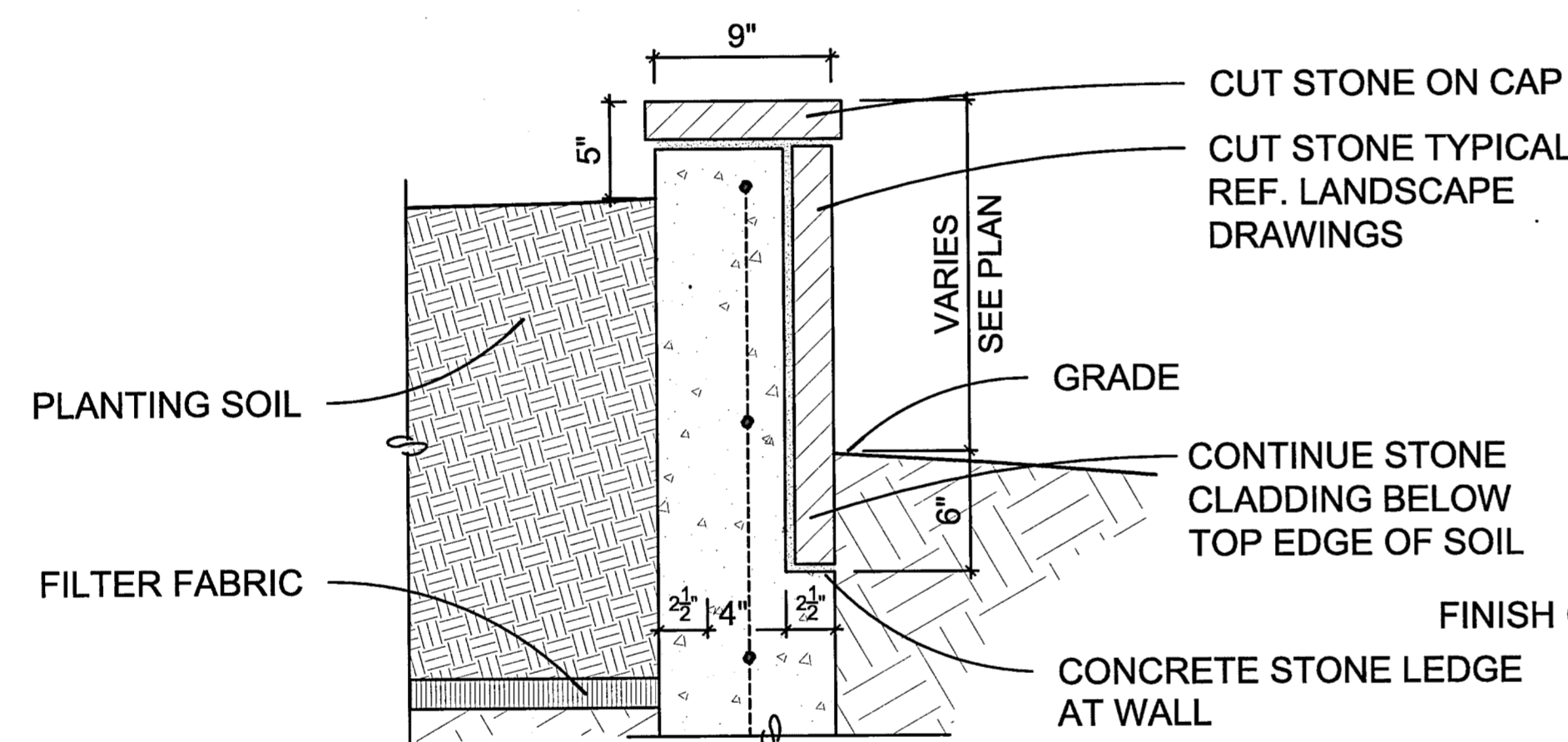
- MODIFICATION MADE TO DRAWINGS PROVIDED BY LRK ON 6/18/10.**
1. MODIFIED WALL HEIGHTS TO MATCH CURRENT LANDSCAPE DRAWINGS.
  2. MODIFIED WALL CLADDING THICKNESS.
  3. MODIFIED PATTERNED CONCRETE CALL OUT TO REFERENCE LANDSCAPE DRAWINGS.
  4. ADDED LIGHT ENCLOSURE TO GUNITE STRUCTURE ABOVE WEIR TO READ POOL TILE.
  5. MODIFIED NOTE REGARDING SMOOTH STUCCO FINISH ABOVE WEIR TO READ POOL TILE.
  6. MODIFIED NOTE REGARDING WATERPROOFING UNDER WEIR STONE TO READ BY FOUNTAIN CONTRACTOR
  7. REPLACED 4" CONCRETE HEAD BANDL WITH STONE LEDGE



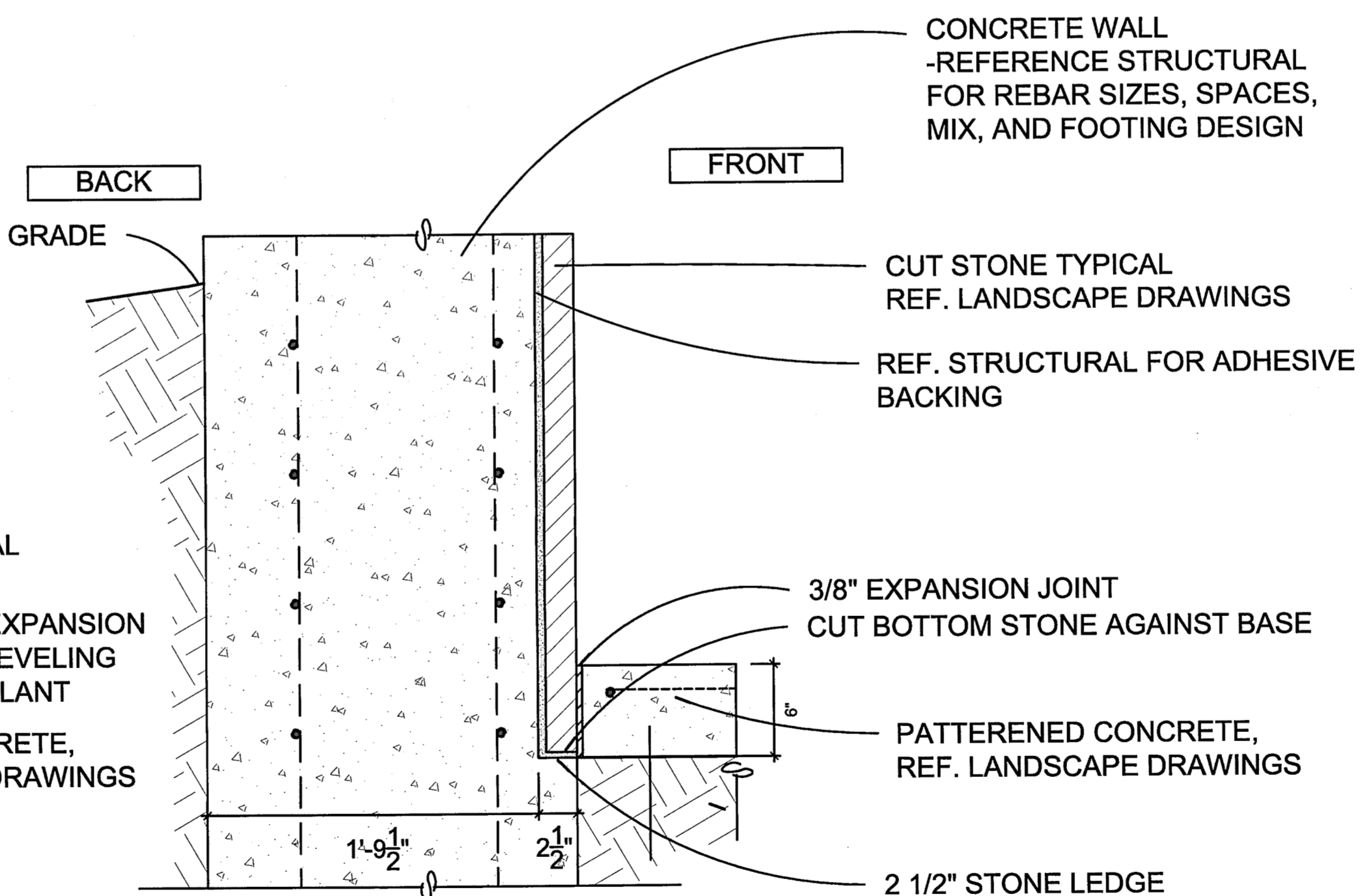
**1 PLAN DETAIL - PLANTER WALL**  
1-1/2" = 1'-0"



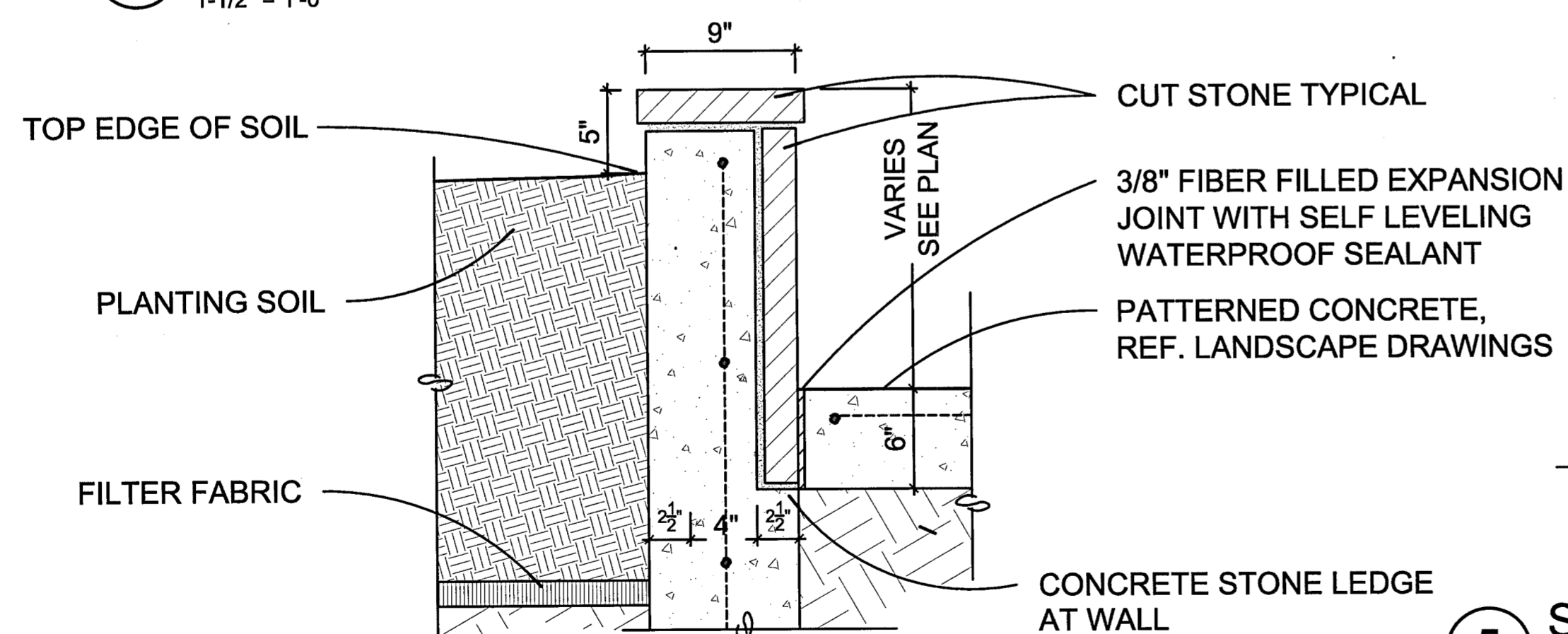
**2 SECTION DETAIL - PLANTER WALL**  
1-1/2" = 1'-0"



**3 SECTION DETAIL - PLANTER WALL**  
1-1/2" = 1'-0"



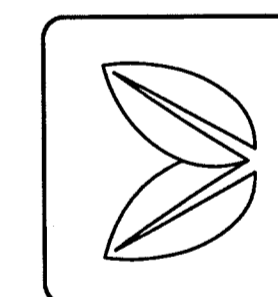
**5 SECTION DETAIL - PLANTER WALL**  
1-1/2" = 1'-0"



**4 SECTION DETAIL - PLANTER WALL**  
1-1/2" = 1'-0"

MODIFICATION MADE TO DRAWINGS PROVIDED BY LRK ON 6/18/10.

1. MODIFIED WALL CLADDING THICKNESS.
2. MODIFIED PATTERNED CONCRETE CALL OUT TO REFERENCE LANDSCAPE DRAWINGS.
3. REPLACED 4" CONCRETE HEAD WALL WITH STONE LEDGE



REVISIONS  
1. FOUNTAIN LAYOUT REVISION 9/13/10  
2. ISSUE FOR CONSTRUCTION 9/15/10

ISSUE FOR CONSTRUCTION  
DATE 7-1-10  
JOB NUMBER  
DRAWN BY TS  
CHECKED BY LT

SHEET TITLE  
MONUMENT SIGNAGE  
CONSTRUCTION  
DETAILS

SHEET NUMBER

**BUILDING PAD PREPARATION FOR ALL GROUND BEARING SLABS:**

1. STABILIZE AREA TO LIMITS DEFINED ON PLAN WITH CHEMICAL STABILIZATION.
2. STABILIZATION SHALL BE PERFORMED IN SUCH A MANNER THAT THERE WILL BE A PERMANENT REDUCTION IN POTENTIAL VERTICAL RISE TO A MAXIMUM OF 1".
3. CHEMICAL SHALL BE "ECSS 3000" AS FURNISHED AND INSTALLED BY ENVIRONMENTAL SOIL STABILIZATION SYSTEMS, LLC. CONTACT MR. JOHNNY SHERWOOD AT 817-426-8000
4. TESTING LAB SHALL CONFIRM IN WRITING THAT COMPLETED STABILIZATION WILL RESULT IN A MAXIMUM POTENTIAL VERTICAL RISE OF 1" BASED ON SWELL POTENTIAL IN A 15' DEPTH BELOW FINISH GRADE.

**STRAIGHT SHAFT PIER NOTES:**

1. STRAIGHT SHAFT PIER DESIGN IS BASED ON AN ALLOWABLE VALUE OF 18,000 PSF END BEARING AND 2,500 PSF SIDE FRICTION AS RECOMMENDED IN THE SUBSURFACE REPORT PREPARED BY ALPHA TESTING, INC. THEIR REPORT NO. G090087, DATED MARCH 5, 2009.
2. DRILLED PIERS SHALL BE FOUNDED A MINIMUM OF 2' INTO THE COMPETENT GRAY SHALY LIMESTONE BEARING STRATA AS IDENTIFIED BY THE GEOTECH ENGINEER.
3. BOTTOM OF ALL PIER HOLES SHALL BE SMOOTH, DRY AND FREE OF ALL LOOSE MATERIAL BEFORE PLACING CONCRETE.
4. THE CONTRACTOR SHALL VERIFY THE DEPTH OF THE PIER PRIOR TO CUTTING PIER REINFORCING CAGES. PIER STEEL SHALL BE DELIVERED TO THE JOBSITE IN STANDARD LENGTHS AND CUT AS REQUIRED. 30 BAR DIAMETER LAPS WILL BE ALLOWED IN THE PIER STEEL IF NO MORE THAN 50 PERCENT OF THE BARS ARE LAPPED IN ANY 8 FOOT LENGTH OF THE PIER.
5. REINFORCING STEEL SHOP DRAWINGS SHALL INDICATE PLACING DRAWINGS FOR TEMPLATES TO SET DOWELS AND ANCHOR BOLTS. REINFORCING CAGES SHALL BE ADEQUATELY SUPPORTED TO PROVIDED CLEARANCES INDICATED ON THE DRAWINGS.
6. PIER HOLES SHALL BE CONCRETED WITHIN 8 HOURS OF DRILLING.
7. IF SUBSURFACE WATER CONDITIONS ARE SUCH THAT THE PIER HOLES CANNOT BE INSTALLED IN THE DRY CONDITION, THE CONTRACTOR SHALL INSTALL TEMPORARY CASING TO CONTROL WATER INTRUSION.
8. AUTHOR OF GEOTECH REPORT SHALL VERIFY THAT ALL PIERS HAVE BEEN FOUNDED IN COMPETENT GRAY SHALY LIMESTONE.

**CONCRETE MIX DESIGNS:**

1. PROVIDE NORMAL WEIGHT CONCRETE HAVING THE FOLLOWING MINIMUM 28 DAY COMPRESSIVE STRENGTHS AND GENERAL CHARACTERISTICS:

| USAGE | MIN. 28 DAY<br>COMPRESSIVE STRENGTH |
|-------|-------------------------------------|
| ALL   | 3,000                               |

2. MINIMUM CONCRETE 28 DAY COMPRESSIVE STRENGTH SHALL BE BASED ON HISTORICAL PERFORMANCE DATA FROM THE SELECTED TRANSIT MIX CONCRETE SUPPLIER AND APPROVED BY THE ENGINEER.
3. IT SHALL BE THE RESPONSIBILITY OF THE CONCRETE SUPPLIER TO SELECT THE PROPER TYPE OF PORTLAND CEMENT (INCLUDING QUANTITIES), AGGREGATES (INCLUDING QUANTITIES) AND WATER CEMENT RATIO TO PRODUCE THE REQUIRED MINIMUM 28 DAY COMPRESSIVE STRENGTHS.
4. IT SHALL BE THE RESPONSIBILITY OF THE CONCRETE SUPPLIER TO RECOMMEND ANY ENHANCING AGENTS OR ADMIXTURES TO PROVIDE A WORKABLE AND DURABLE PRODUCT.
5. IT SHALL BE THE RESPONSIBILITY OF THE CONCRETE SUPPLIER TO COORDINATE WITH THE GENERAL CONTRACTOR FOR ANY ADJUSTMENTS WHICH MAY BE NECESSARY TO PROVIDE FOR HIGH EARLY STRENGTHS TO FACILITATE AND ELIMINATE DELAYS IN CONSTRUCTION.
6. IT SHALL BE THE RESPONSIBILITY OF THE CONCRETE SUPPLIER TO COORDINATE WITH THE GENERAL CONTRACTOR FOR ANY ADJUSTMENTS WHICH MAY BE NECESSARY TO PROVIDE FOR HOT WEATHER OR COLD WEATHER CONCRETING PRECAUTIONS.

**CONCRETE REINFORCEMENT:**

1. REINFORCING STEEL SHALL BE NEW DEFORMED BILLET STEEL CONFORMING TO A.S.T.M. A-615, GRADE 60.
2. REINFORCING BARS SHALL BE DETAILED IN ACCORDANCE WITH THE A.C.I. DETAILING MANUAL. PROVIDE BAR SUPPORTS AND SPACERS AS REQUIRED.
3. PROVIDE CORNER BARS AT ALL INTERSECTING REINFORCING MEMBERS IN WALLS AND BEAMS. CORNER BARS SHALL BE THE SAME SIZE AS THE LARGER INTERSECTING BAR AND SHALL PROVIDE A MINIMUM LAP OF 30 BAR DIAMETERS.
4. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:
  - A. PIERS ..... 3" CLEAR
  - B. ALL OTHER ..... 1-1/2" CLEAR
5. DETAILING OF REINFORCING BARS IN BEAMS SHALL BE AS FOLLOWS:
  - A. TOP AND BOTTOM BARS TO BE CONTINUOUS BETWEEN SUPPORTS.
  - B. TOP BARS AT THE ENDS OF BEAMS TO HAVE STANDARD 90 DEGREE HOOKS.
  - C. SPLICE TOP BARS AT THE MIDSPAN BETWEEN SUPPORTS. (U.N.O.)
  - D. SPLICE BOTTOM BARS DIRECTLY OVER SUPPORTS. (U.N.O.)
  - E. ALTERNATE SPLICES IN MIDDLE BARS BETWEEN SUPPORTS AND MIDSPANS WITH NO MORE THAN 1/2 OF THE BARS SPLICED AT ANY ONE LOCATION.
  - F. ALL BAR SPLICES SHALL BE 30 BAR DIAMETERS MINIMUM.

**EARTHWORK:**

1. THE TOP 6" OF FINISH SUB-GRADE SHALL BE SCARIFIED AND RE-COMPACTED TO WITHIN 95% STANDARD PROCTOR DENSITY AT OR SLIGHTLY ABOVE OPTIMUM MOISTURE CONTENT.
2. FILL, IF REQUIRED, SHALL BE SELECT FILL WITH A MINIMUM PLASTICITY INDEX OF 4, A MAXIMUM PLASTICITY INDEX OF 12 AND NO MORE THAN 40% OF THE MATERIAL PASSING THE #200 SIEVE.
3. SELECT FILL, IF REQUIRED, SHALL BE PLACED IN MAXIMUM 8" LOOSE LIFTS AND COMPACTED TO WITHIN 95% STANDARD PROCTOR DENSITY AT OR SLIGHTLY ABOVE OPTIMUM MOISTURE CONTENT.

**STRUCTURAL STEEL:**

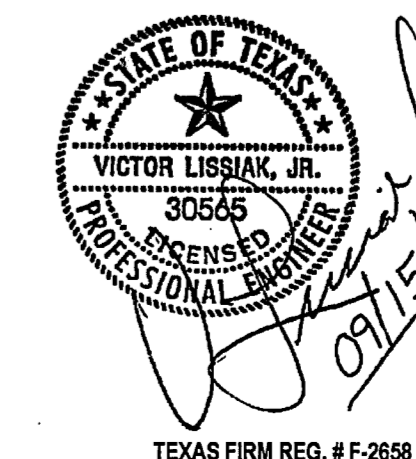
1. STRUCTURAL STEEL SHALL CONFORM TO THE A.I.S.C. "STEEL CONSTRUCTION MANUAL", THIRTEENTH EDITION.
2. WELDED CONNECTIONS SHALL CONFORM TO THE LATEST REVISED CODE OF THE AMERICAN WELDING SOCIETY. WELDING ELECTRODES SHALL CONFORM TO AWS A5.1 OR A5.5 FOR SERIES #E70 ELECTRODES.
3. IN GENERAL, IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS THAT ALL SHOP CONNECTIONS ARE TO BE WELDED OR BOLTED AND ALL FIELD CONNECTIONS ARE TO BE BOLTED EXCEPT WHERE NOTED ON THE DRAWINGS OTHERWISE.
4. STRUCTURAL STEEL PLATE SHALL CONFORM TO ASTM A572, GR. 50.
5. PROVIDE A PRIME COAT OF RED OXIDE PAINT ON ALL STRUCTURAL STEEL SURFACES PRIOR TO SHIPMENT.
6. ALL HEADED STUDS SHALL BE DRAWN ARC WELDED.

**STONE VENEER:**

1. STONE SHALL BE SELECTED BY THE LANDSCAPE ARCHITECT
2. PENNSYLVANIA PREMIER BLUESTONE, IF SELECTED, SHALL HAVE A MINIMUM FLEXURAL STRENGTH OF 2,977 PSI AND A MAXIMUM UNIT WEIGHT OF 162.5 PCF.
3. LUEDERS LIMESTONE VENEER FOR REFLECTING POOL FINISH SHALL HAVE A MINIMUM FLEXURAL STRENGTH OF 1,356 PSI AND A MAXIMUM UNIT WEIGHT OF 144.88 PCF.
4. STONE OTHER THAN BLUESTONE OR LUEDERS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND ACCEPTANCE OF MATERIAL PROPERTIES.
5. ALL STONE VENEER SHALL BE ATTACHED TO THE FACE OF CONCRETE USING LATCRETE SPECTRALOCK 2000 IG OR APPROVED EQUIVALENT.
6. ALL STONE VENEER SHALL BE FULLY BEDDED WITH THE SPECIFIED ADHESIVE.
7. ALL SURFACES TO RECEIVE STONE VENEER SHALL BE CLEAN, DRY AND FREE OF ALL DELETERIOUS SUBSTANCES.
8. COURSING SHALL MATCH ARCHITECTURAL ELEVATIONS.
9. CONTRACTOR, AT CONTRACTOR'S EXPENSE, SHALL PREPARE A MOCK-UP TO DEMONSTRATE PROFICIENCY IN MATCHING THE APPROVED MOCK UP PRIOR TO COMMENCEMENT OF THE WORK.

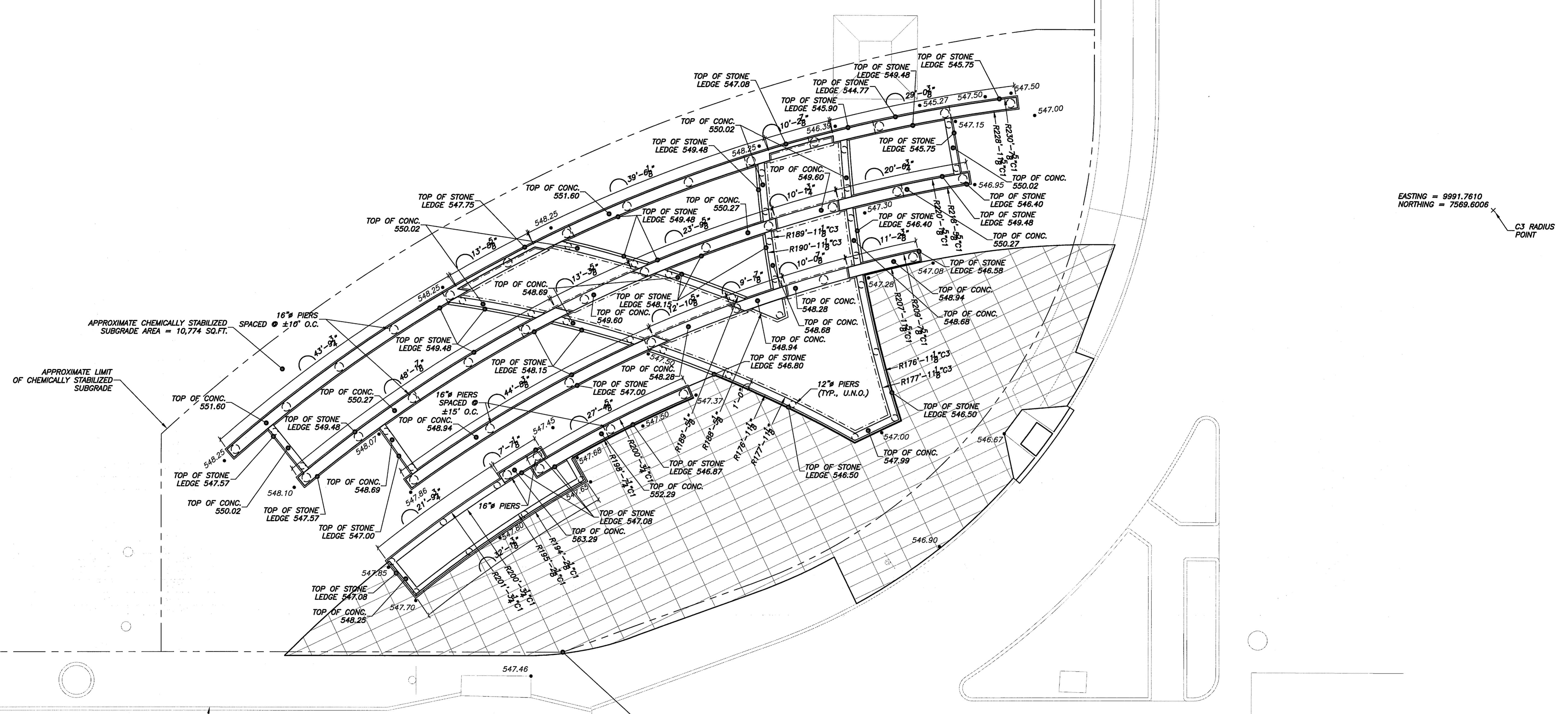
**JOINT SEALANT NOTES:**

1. ALL JOINTS SHALL BE FILLED FULL WITH SILICONE SEALANT.
2. SILICONE SEALANT COLOR TO BE SELECTED BY LANDSCAPE ARCHITECT.
3. SILICONE SEALANT COLOR TO BE SELECTED BY LANDSCAPE ARCHITECT.
4. VERTICAL JOINTS SHALL NOT EXCEED 1/4".
5. HORIZONTAL JOINTS SHALL NOT EXCEED 3/8".



REVISED: 09/20/10  
RE-ISSUED FOR CONSTRUCTION: 09/15/10

| GENERAL NOTES   |       |          |         |          |       |
|---|-------|----------|---------|----------|-------|
| VITRUVIAN MONUMENT SIGN   |       |          |         |          |       |
| ADDISON, TEXAS  |       |          |         |          |       |
| VIEWTECH, INC.  |       |          |         |          |       |
| 4205 BELTWAY DR. ADDISON, TX. 75001 (972) 661-8187 FAX (972) 661-8172 |       |          |         |          |       |
| DESIGN  | DRAWN | DATE     | SCALE   | JOB #    | SHEET |
| VL  | RS    | 09/15/10 | 1/8"=1' | 2010-125 | S10   |



EASTING = 9991.7610  
 NORTHING = 7569.6006  
 C3 RADIUS POINT

APPROXIMATE CHEMICALLY STABILIZED SUBGRADE AREA = 10,774 SQ.FT.  
 APPROXIMATE LIMIT OF CHEMICALLY STABILIZED SUBGRADE

CHEMICALLY STABILIZE TO BACK OF CURB, (TYP AT MARSH LANE AND VITRUVIAN WAY)

ADDITIONAL HORIZONTAL CONTROL BASIS  
 EASTING = 9902.1529  
 NORTHING = 7790.5027  
 (PC OF MARSH LANE R.O.W.)

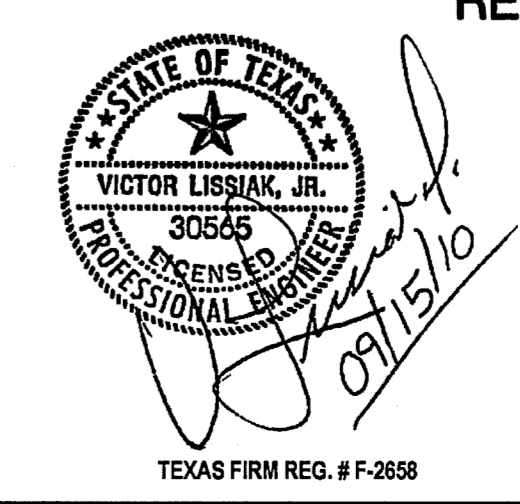
NOTE:  
 HORIZONTAL CONTROL BASED ON SET MONUMENTATION IN FIELD.

BENCHMARK #2  
 SQUARE CUT IN TOP OF CURB  
 ELEVATION: 547.84

C2 RADIUS POINT  
 EASTING = 9781.4283  
 NORTHING = 7832.5534

EASTING = 9759.8885  
 NORTHING = 7691.5022  
 C1 RADIUS POINT

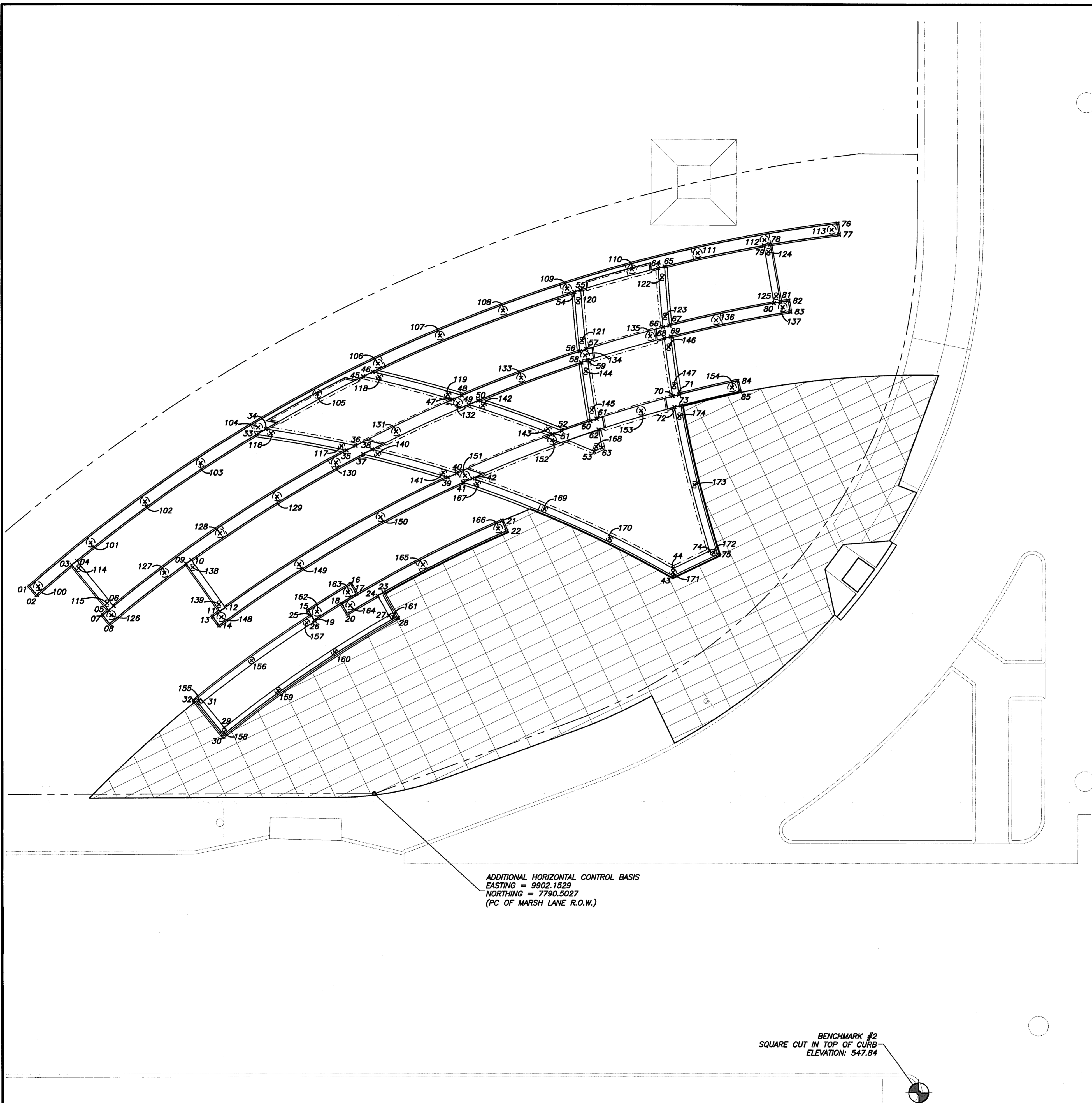
**01 SIGN FOUNDATION PLAN**  
 1/8"=1'-0"



RE-ISSUED FOR CONSTRUCTION: 09/15/10

|   |       |          |         |          |            |
|---|-------|----------|---------|----------|------------|
| <b>SIGN FOUNDATION PLAN</b>   |       |          |         |          |            |
| <b>VITRUVIAN MONUMENT SIGN</b>  |       |          |         |          |            |
| <b>ADDISON, TEXAS</b>   |       |          |         |          |            |
| <b>VIEWTECH, INC.</b>   |       |          |         |          |            |
| 4205 BELTWAY DR. ADDISON, TX. 75001 (972) 681-8187 FAX (972) 681-8172 |       |          |         |          |            |
| DESIGN  | DRAWN | DATE     | SCALE   | JOB #    | SHEET      |
| VL  | RS    | 09/15/10 | 1/8"=1' | 2010-125 | <b>S20</b> |

TEXAS FIRM REG. # F-2658



ADDITIONAL HORIZONTAL CONTROL BASIS  
 EASTING = 9902.1529  
 NORTHING = 7790.5027  
 (PC OF MARSH LANE R.O.W.)

BENCHMARK #2  
 SQUARE CUT IN TOP OF CURB  
 ELEVATION: 547.84

**01 SIGN DIMENSIONAL CONTROL PLAN**  
 1/8"=1'-0"

| WALL COORDINATES |           |           |
|------------------|-----------|-----------|
| POINT NO.        | NORTHING  | EASTING   |
| 1                | 7842.8762 | 9933.6912 |
| 2                | 7841.7811 | 9932.4347 |
| 3                | 7836.4776 | 9936.9091 |
| 4                | 7835.7022 | 9937.5406 |
| 5                | 7830.8920 | 9930.0660 |
| 6                | 7830.1166 | 9930.6974 |
| 7                | 7831.7988 | 9929.3200 |
| 8                | 7830.7354 | 9928.0367 |
| 9                | 7819.0817 | 9937.0313 |
| 10               | 7818.2686 | 9937.6134 |
| 11               | 7813.9328 | 9929.8568 |
| 12               | 7813.1197 | 9930.4388 |
| 13               | 7815.0283 | 9929.0632 |
| 14               | 7814.0449 | 9927.7176 |
| 15               | 7800.4921 | 9929.9366 |
| 16               | 7794.0172 | 9933.9127 |
| 17               | 7793.1737 | 9932.4746 |
| 18               | 7795.3864 | 9930.9100 |
| 19               | 7789.5920 | 9928.5338 |
| 20               | 7794.5203 | 9929.4859 |
| 21               | 7771.0810 | 9943.4706 |
| 22               | 7770.4204 | 9941.9405 |
| 23               | 7789.0746 | 9932.6726 |
| 24               | 7789.9443 | 9932.1791 |
| 25               | 7800.0195 | 9929.2001 |
| 26               | 7799.4797 | 9928.3584 |
| 27               | 7788.2575 | 9929.1973 |
| 28               | 7786.8954 | 9928.8204 |
| 29               | 7813.2824 | 9912.2153 |
| 30               | 7813.4353 | 9910.8102 |
| 31               | 7816.4751 | 9916.1827 |
| 32               | 7817.8819 | 9916.3358 |
| 33               | 7808.3280 | 9956.6066 |
| 34               | 7806.9454 | 9957.4203 |
| 35               | 7794.6439 | 9954.1616 |
| 36               | 7793.2758 | 9954.8811 |
| 37               | 7792.1405 | 9953.5930 |
| 38               | 7790.7750 | 9954.2956 |
| 39               | 7779.2847 | 9950.0585 |
| 40               | 7777.9322 | 9950.6763 |
| 41               | 7776.9348 | 9949.2980 |
| 42               | 7775.5846 | 9949.9006 |
| 43               | 7745.0857 | 9935.1276 |
| 44               | 7745.0461 | 9936.2548 |
| 45               | 7792.0909 | 9965.3750 |
| 46               | 7790.8441 | 9966.0763 |
| 47               | 7778.5696 | 9961.8698 |
| 48               | 7777.1366 | 9962.4809 |
| 49               | 7776.0954 | 9961.1109 |
| 50               | 7774.8649 | 9961.7057 |
| 51               | 7763.3877 | 9956.6123 |
| 52               | 7761.9699 | 9957.1241 |
| 53               | 7757.0403 | 9953.9715 |
| 54               | 7760.0410 | 9978.1546 |
| 55               | 7759.0601 | 9978.4600 |
| 56               | 7759.1837 | 9969.1574 |
| 57               | 7758.2136 | 9969.4684 |
| 58               | 7758.9753 | 9967.4730 |
| 59               | 7758.0070 | 9967.7849 |
| 60               | 7757.6282 | 9958.6203 |
| 61               | 7756.6685 | 9958.9367 |
| 62               | 7756.3703 | 9957.2806 |
| 63               | 7755.8441 | 9954.5429 |
| 64               | 7747.2454 | 9981.7644 |
| 65               | 7746.2575 | 9982.0101 |
| 66               | 7746.5170 | 9972.8349 |
| 67               | 7745.5390 | 9973.0852 |
| 68               | 7746.3300 | 9971.1617 |
| 69               | 7745.3524 | 9971.4128 |
| 70               | 7745.0805 | 9962.3603 |
| 71               | 7744.1092 | 9962.6146 |
| 72               | 7744.7963 | 9960.7115 |
| 73               | 7743.8259 | 9960.9663 |
| 74               | 7739.4948 | 9938.9066 |
| 75               | 7738.2809 | 9938.3782 |
| 76               | 7720.0270 | 9988.5495 |
| 77               | 7719.8224 | 9986.8954 |
| 78               | 7730.2000 | 9985.3597 |
| 79               | 7731.1853 | 9985.1886 |
| 80               | 7729.6828 | 9976.4839 |
| 81               | 7728.6976 | 9976.6551 |
| 82               | 7727.4914 | 9976.8584 |
| 83               | 7727.2205 | 9975.2139 |
| 84               | 7735.2563 | 9984.7058 |
| 85               | 7734.9095 | 9963.0768 |

| PIER COORDINATES |           |           |                 |
|------------------|-----------|-----------|-----------------|
| POINT NO.        | NORTHING  | EASTING   | TOP OF PIER EL. |
| 100              | 7841.5728 | 9933.7176 | 546.75          |
| 101              | 7833.6164 | 9940.2733 | 546.75          |
| 102              | 7825.3741 | 9946.4655 | 546.75          |
| 103              | 7816.8623 | 9952.2818 | 546.75          |
| 104              | 7808.0760 | 9957.6729 | 546.47          |
| 105              | 7799.0994 | 9962.7406 | 546.47          |
| 106              | 7789.8655 | 9967.3228 | 546.47          |
| 107              | 7780.4708 | 9971.5656 | 546.75          |
| 108              | 7770.8784 | 9975.3427 | 546.75          |
| 109              | 7761.1136 | 9978.6460 | 546.08          |
| 110              | 7751.2340 | 9981.5881 | 544.90          |
| 111              | 7741.2216 | 9984.0438 | 543.77          |
| 112              | 7731.1090 | 9986.0480 | 543.77          |
| 113              | 7720.9168 | 9987.5966 | 544.75          |
| 114              | 7835.4271 | 9936.4213 | 546.90          |
| 115              | 7831.1120 | 9931.1227 | 546.90          |
| 116              | 7806.1532 | 9956.7975 | 546.81          |
| 117              | 7795.4259 | 9954.8428 | 546.81          |
| 118              | 7789.6447 | 9965.3331 | 546.81          |
| 119              | 7779.2912 | 9962.8053 | 546.81          |
| 120              | 7759.4388 | 9976.8121 | 546.81          |
| 121              | 7758.8697 | 9970.8037 | 546.81          |
| 122              | 7746.6631 | 9980.3904 | 546.81          |
| 123              | 7746.1816 | 9974.4527 | 546.81          |
| 124              | 7730.5055 | 9984.2538 | 545.08          |
| 125              | 7729.3357 | 9977.5213 | 545.08          |
| 126              | 7830.4950 | 9929.3139 | 546.57          |
| 127              | 7822.3613 | 9935.6649 | 546.57          |
| 128              | 7813.9378 | 9941.6262 | 546.57          |
| 129              | 7805.2432 | 9947.1846 | 547.15          |
| 130              | 7796.2967 | 9952.3279 | 545.14          |
| 131              | 7787.1181 | 9957.0445 | 545.14          |
| 132              | 7777.7278 | 9961.3242 | 545.14          |
| 133              | 7768.1466 | 9965.1573 | 545.14          |
| 134              | 7758.3957 | 9968.5355 | 545.14          |
| 135              | 7748.4967 | 9971.4512 | 545.14          |
| 136              | 7738.4714 | 9973.8880 | 545.14          |
| 137              | 7728.3421 | 9975.8704 | 545.40          |
| 138              | 7818.0610 | 9936.4809 | 546.33          |
| 139              | 7814.0833 | 9930.9246 | 546.33          |
| 140              | 7789.9380 | 9953.5761 | 545.48          |
| 141              | 7779.9946 | 9950.8047 | 545.48          |
| 142              | 7773.9531 | 9960.9497 | 545.48          |
| 143              | 7764.0718 | 9957.4175 | 545.48          |
| 144              | 7758.2953 | 9966.1424 | 545.48          |
| 145              | 7757.4020 | 9960.2550 | 545.48          |
| 146              | 7745.6633 | 9969.7984 | 545.48          |
| 147              | 7744.8377 | 9963.9688 | 545.48          |
| 148              | 7813.7273 | 9928.9777 | 546.00          |
| 149              | 7801.8746 | 9936.9333 | 546.00          |
| 150              | 7789.5061 | 9944.0605 | 546.00          |
| 151              | 7776.6795 | 9950.3259 | 544.44          |
| 152              | 7763.4548 | 9955.7003 | 544.44          |
| 153              | 7749.8938 | 9960.1585 | 544.44          |
| 154              | 7736.0598 | 9963.6797 | 544.44          |
| 155              | 7817.1789 | 9916.2597 | 546.41          |
| 156              | 7809.1218 | 9922.3994 | 546.41          |
| 157              | 7800.7652 | 9928.1248 | 546.41          |
| 158              | 7813.3592 | 9911.5132 | 546.41          |
| 159              | 7805.0808 | 9917.8017 | 546.41          |
| 160              | 7796.4784 | 9923.6394 | 546.41          |
| 161              | 7787.5767 | 9929.0094 | 546.41          |
| 162              | 7799.1985 | 9929.7723 | 546.08          |
| 163              | 7794.4561 | 9932.6841 | 546.08          |
| 164              | 7794.0963 | 9930.7149 | 546.08          |
| 165              | 7783.0658 | 9936.8655 | 546.08          |
| 166              | 7771.6682 | 9942.3056 | 545.87          |
| 167              | 7774.8269 | 9949.1138 | 546.13          |
| 168              | 7756.7299 | 9954.6739 | 546.13          |
| 169              | 7764.6378 | 9945.2522 | 544.78          |
| 170              | 7754.7049 | 9940.7724 | 544.78          |
| 171              | 7745.0657 | 9935.6913 | 544.78          |
| 172              | 7738.8883 | 9938.6422 | 544.78          |
| 173              | 7741.7781 | 9948.9255 | 544.78          |
| 174              | 7744.0450 | 9959.3637 | 544.78          |

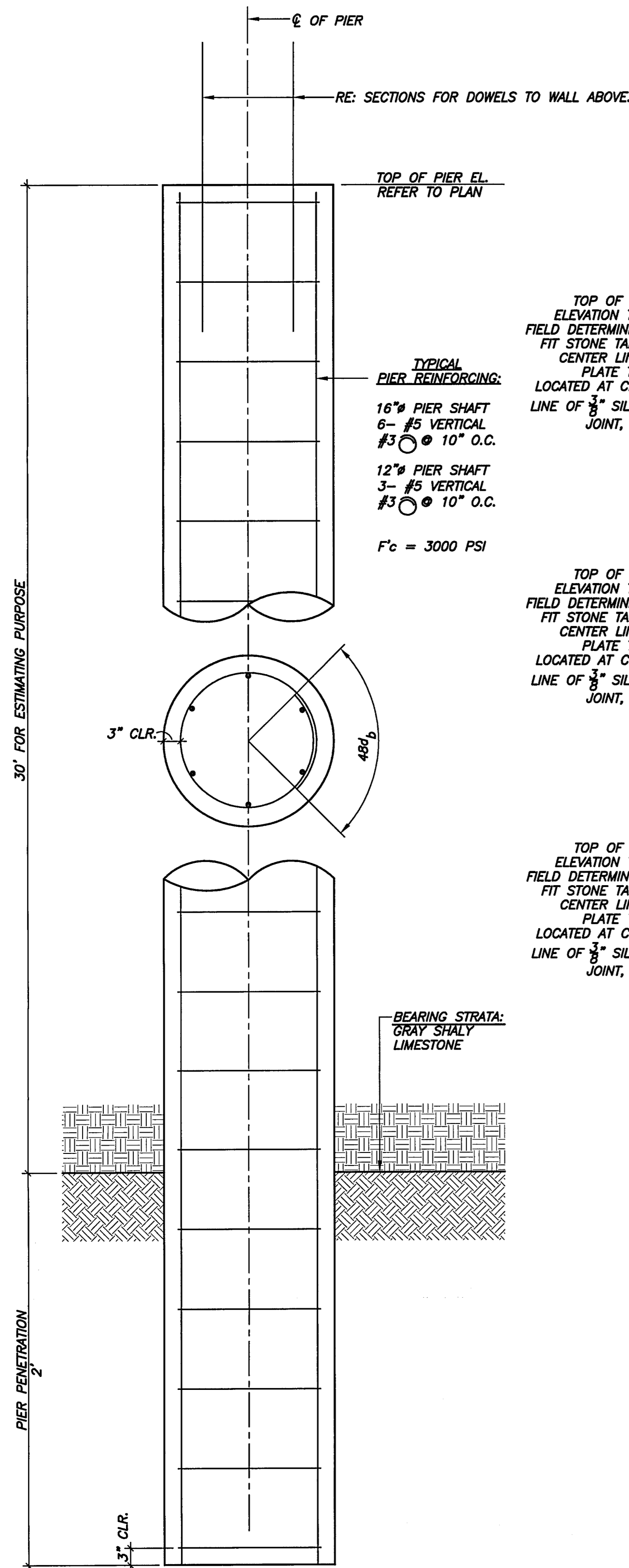


RE-ISSUED FOR CONSTRUCTION: 09/15/10

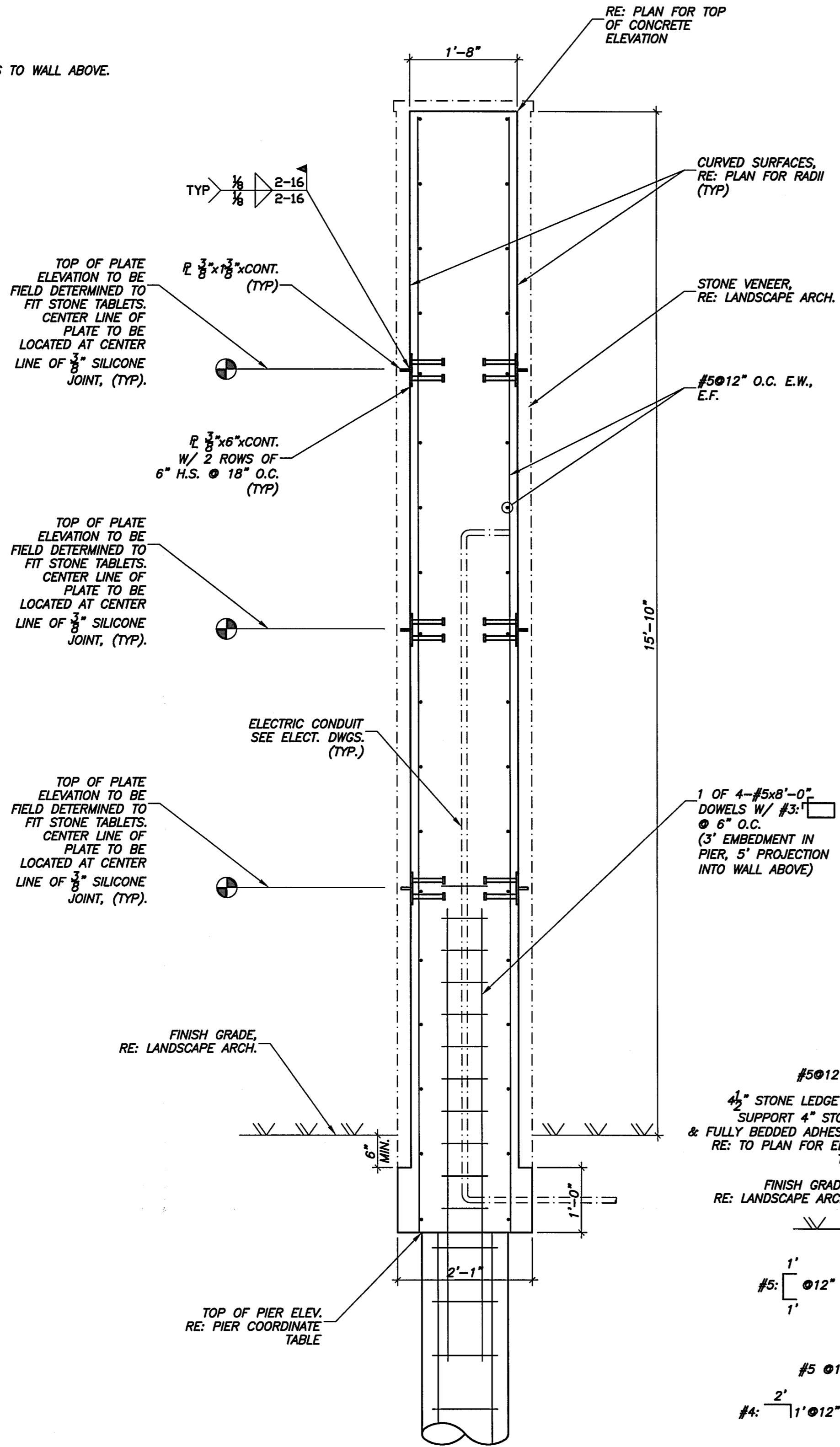
**SIGN DIMENSIONAL CONTROL PLAN**  
**VITRUVIAN MONUMENT SIGN**  
**ADDISON, TEXAS**

**VIEWTECH, INC.**  
 4205 BELTWAY DR. ADDISON, TX. 75001 (972) 661-8187 FAX (972) 661-8172

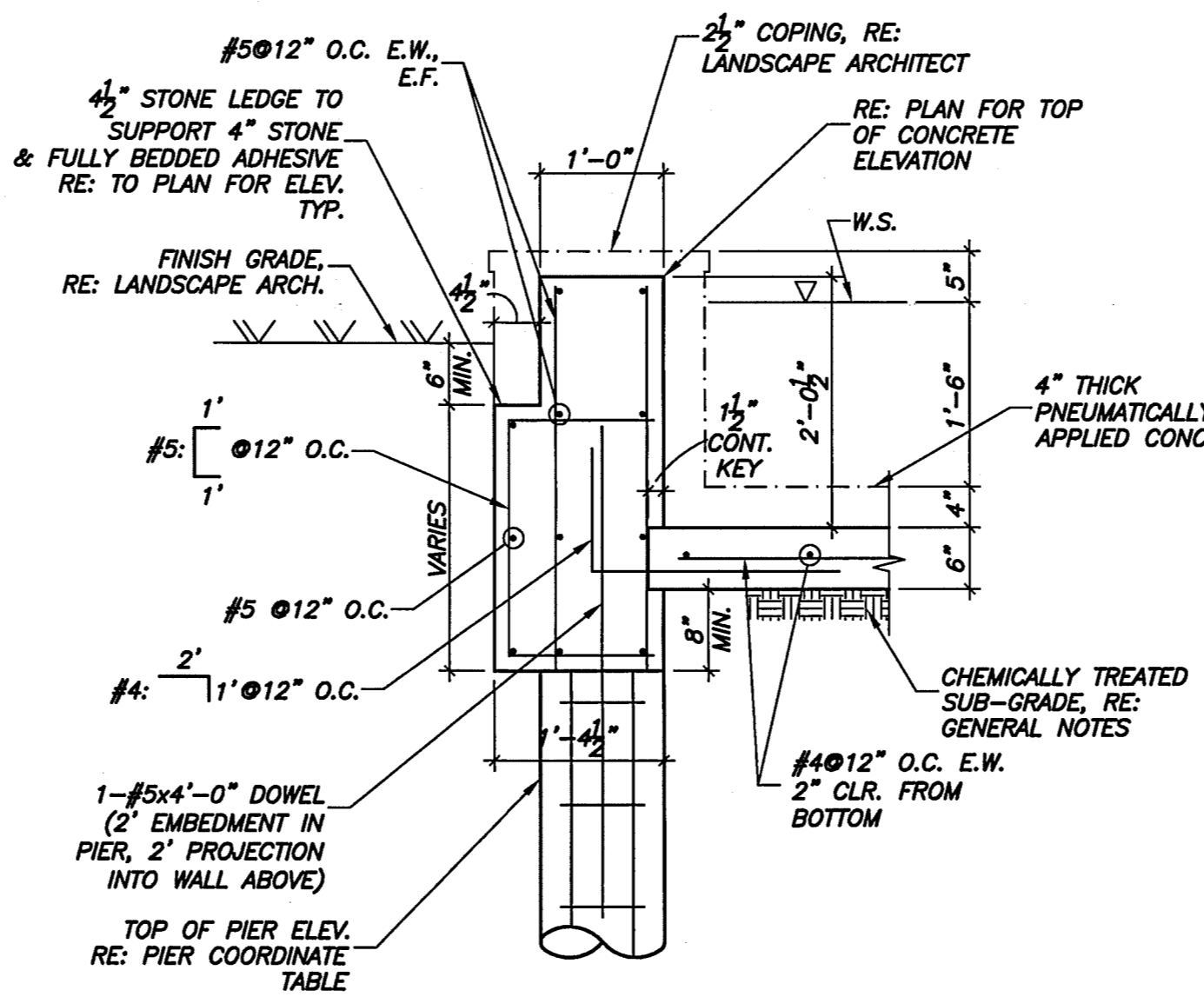
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|--------|-------|----------|----------|----------|------------|
| VL     | RS    | 09/15/10 | 1'-0"=1' | 2010-125 | <b>S30</b> |



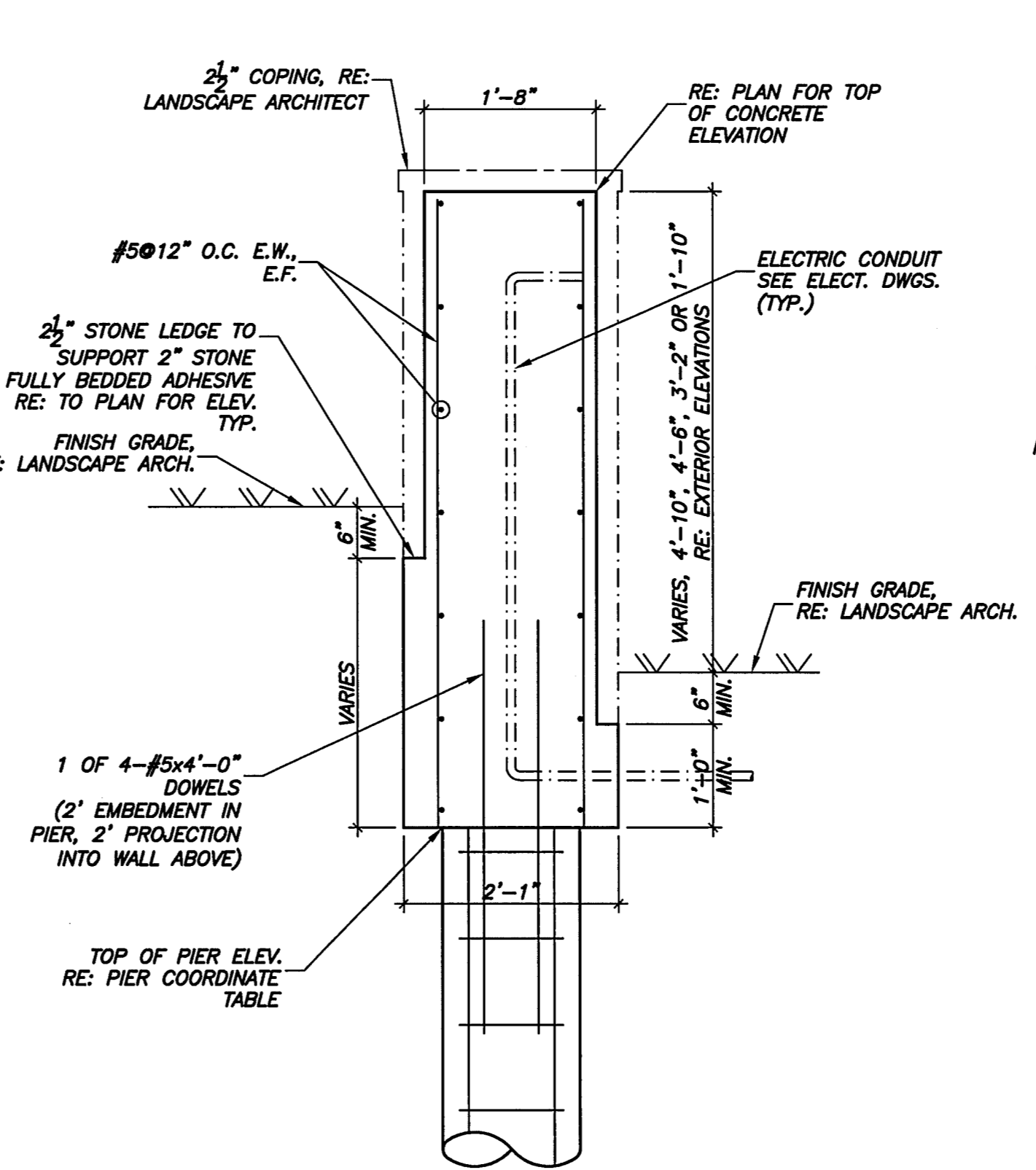
**01 TYPICAL PIER DETAIL**  
3/4"=1'-0"



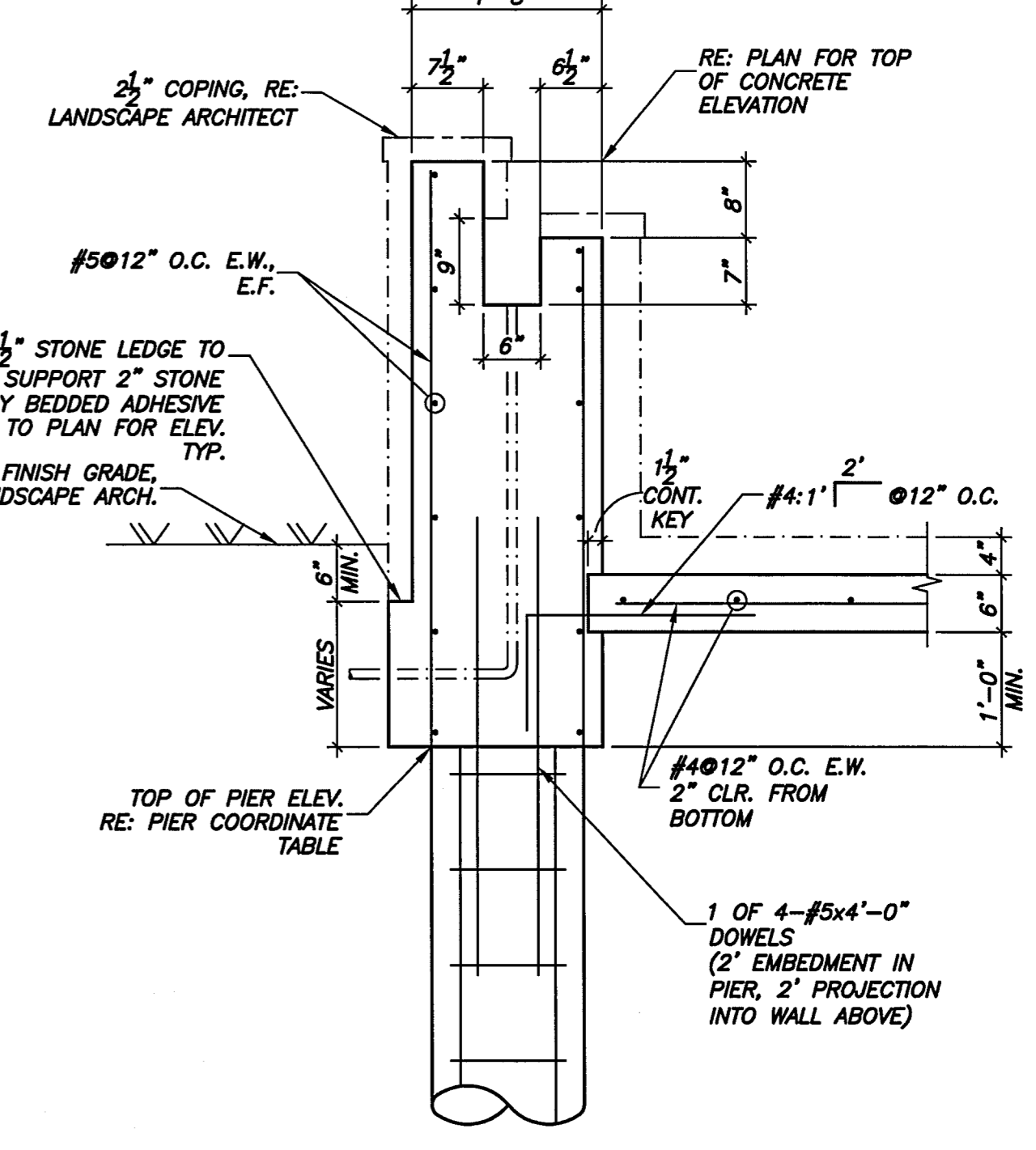
**02 MONOLITH SECTION**  
3/4"=1'-0"



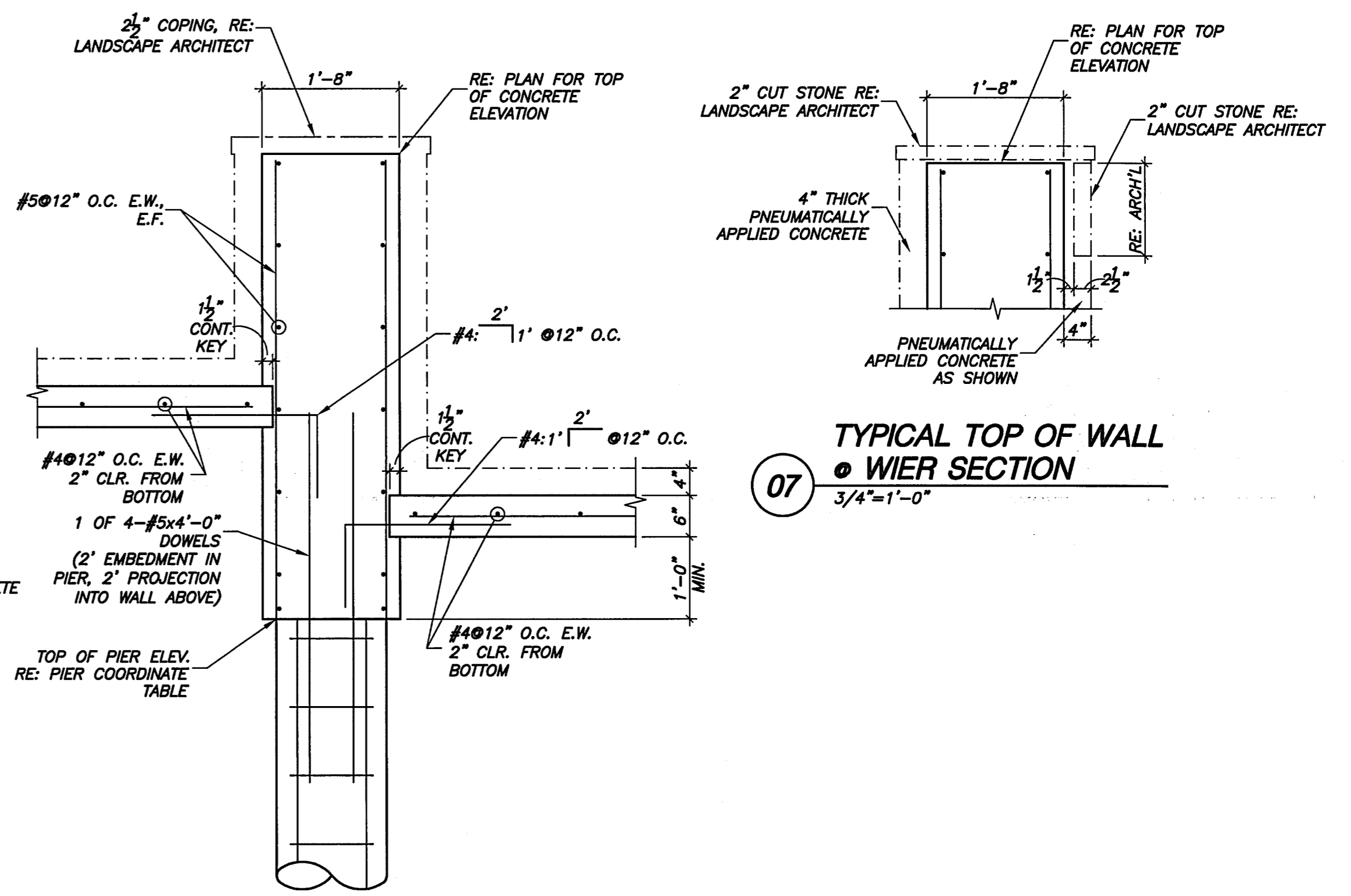
**05 TYPICAL REFLECTING POOL SECTION**  
3/4"=1'-0"



**03 TYPICAL WALL SECTION**  
3/4"=1'-0"

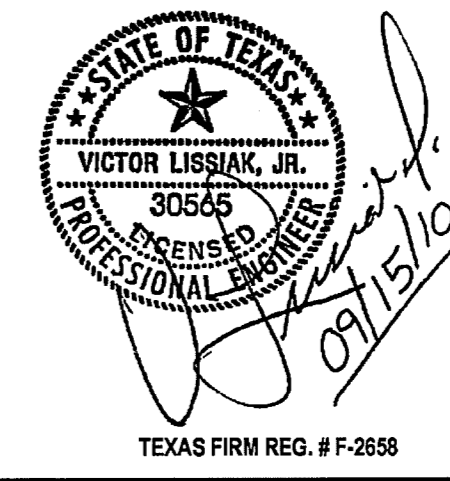


**04 TYPICAL WALL SECTION AT CUSTOM WATER TROUGH**  
3/4"=1'-0"



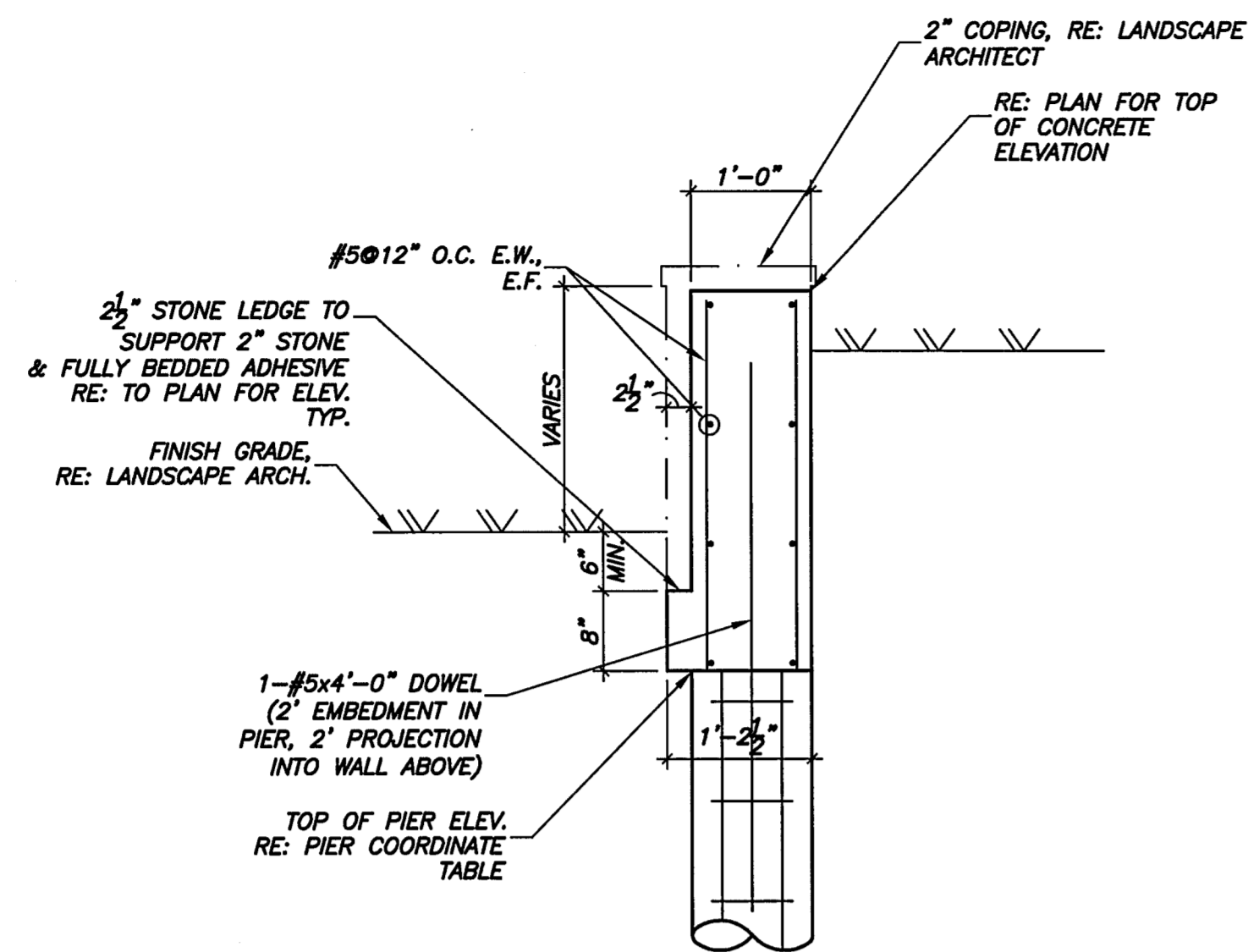
**07 TYPICAL TOP OF WALL WIER SECTION**  
3/4"=1'-0"

**06 TYPICAL WALL SECTION BETWEEN REFLECTING POOLS**  
3/4"=1'-0"

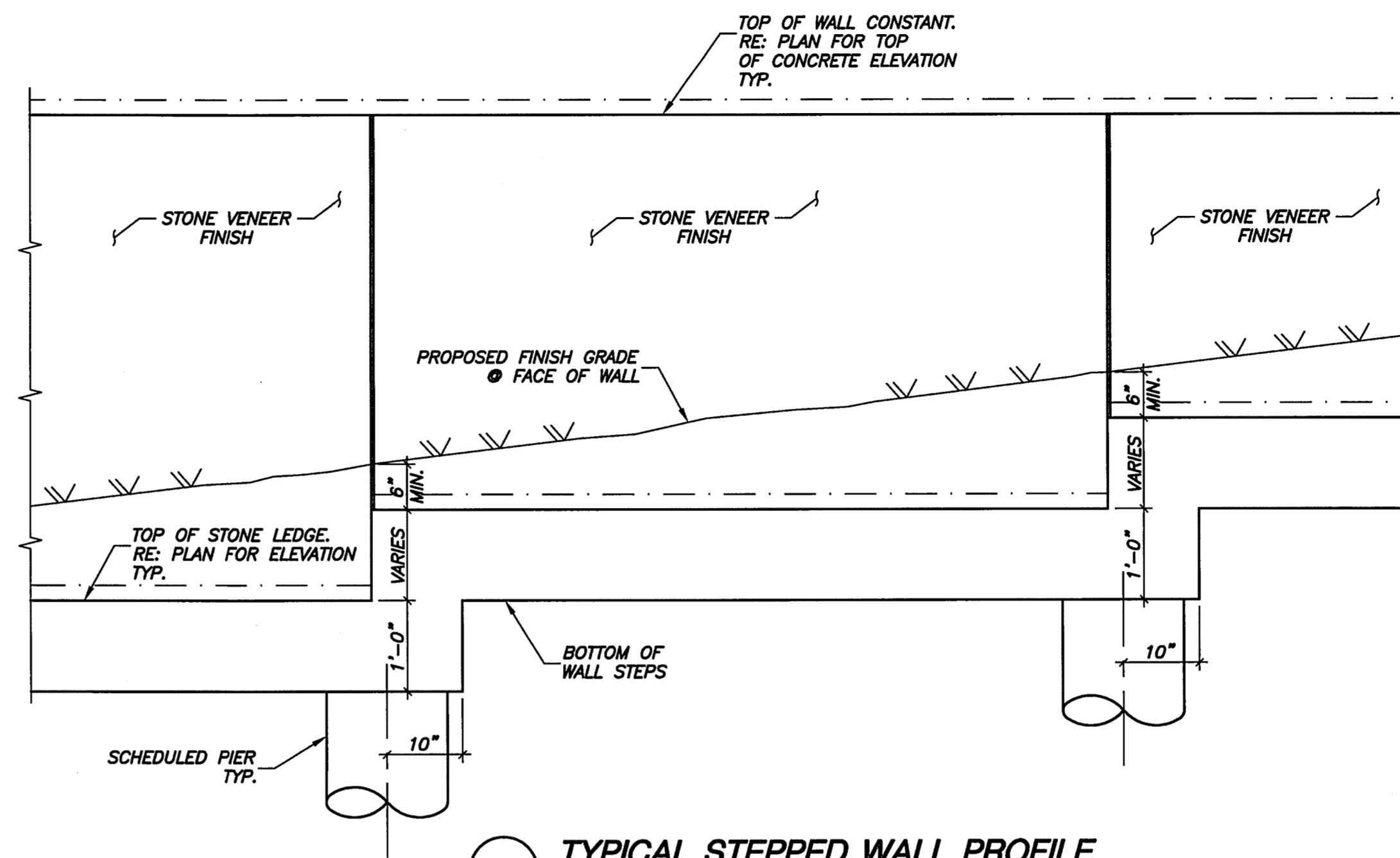


REVISED: 09/20/10  
RE-ISSUED FOR CONSTRUCTION: 09/15/10

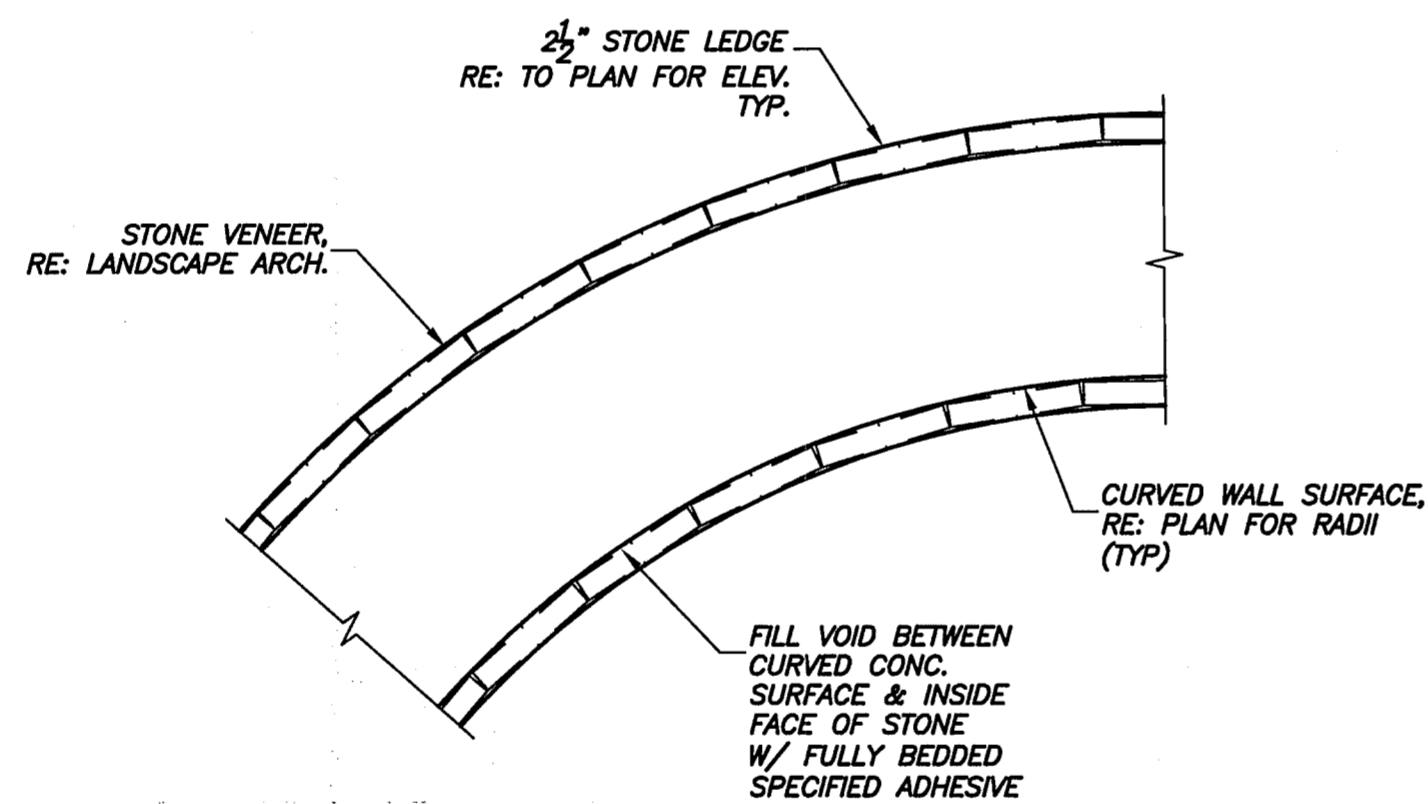
| SECTIONS   |       |          |       |          |       |  |
|--|-------|----------|-------|----------|-------|--|
| VITRUVIAN MONUMENT SIGN  |       |          |       |          |       |  |
| ADDISON, TEXAS   |       |          |       |          |       |  |
| VIEWTECH, INC.   |       |          |       |          |       |  |
| 4205 BELWAY DR. ADDISON, TX. 75001 (972) 661-8187 FAX (972) 661-8172 |       |          |       |          |       |  |
| DESIGN   | DRAWN | DATE     | SCALE | JOB #    | SHEET |  |
| VL   | RS    | 09/15/10 | 1"=1' | 2010-125 | S4.0  |  |



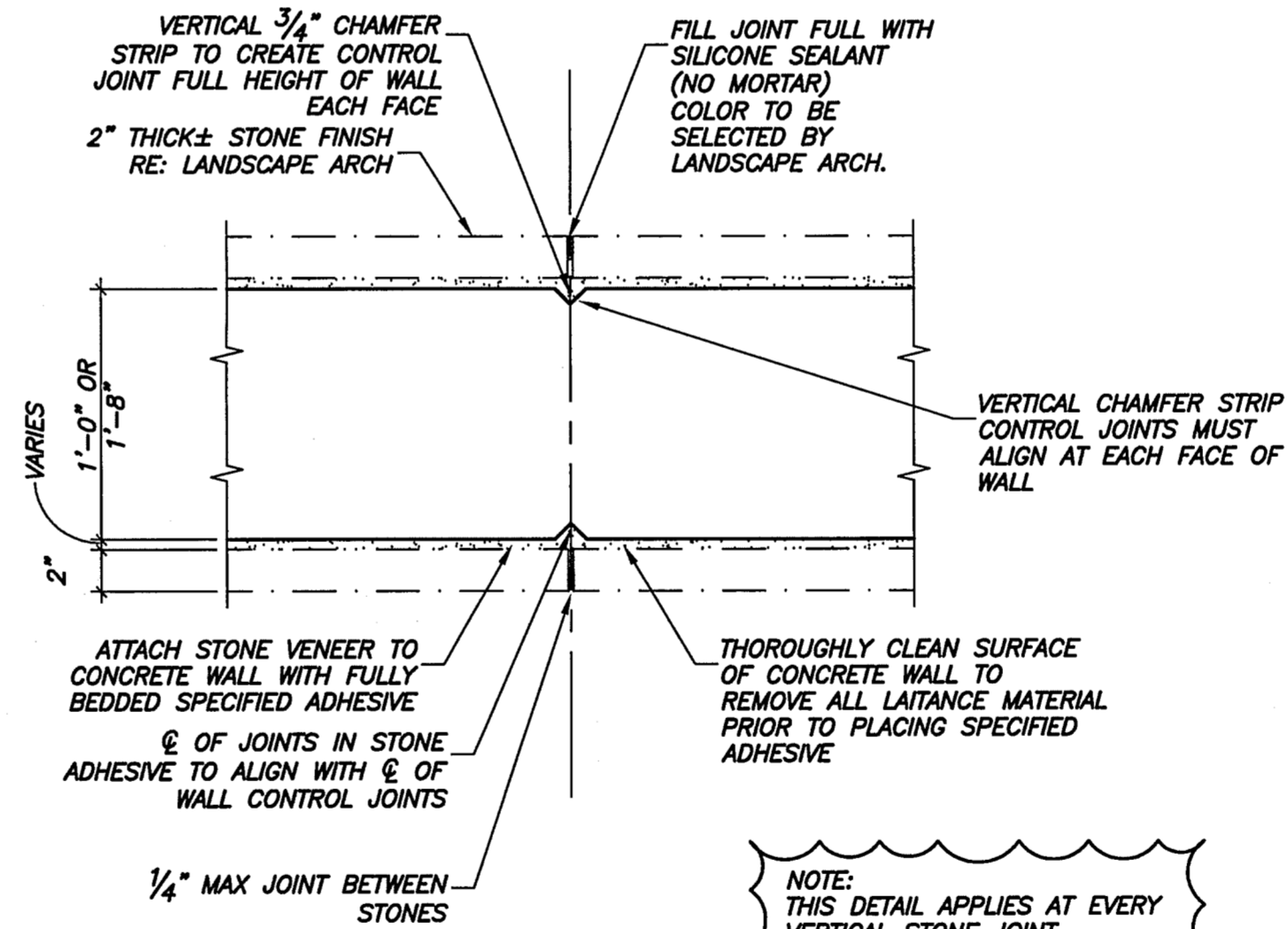
**01** TYPICAL PLANTER WALL SECTION  
3/4"=1'-0"



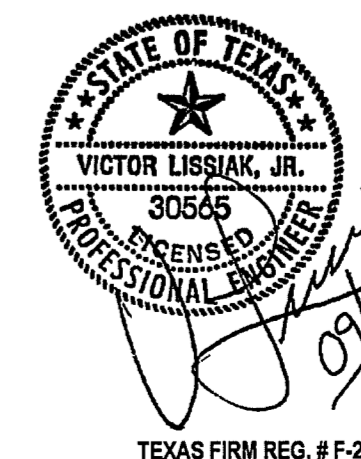
**02** TYPICAL STEPPED WALL PROFILE  
3/4"=1'-0"



**03** TYPICAL DETAIL  
3/4"=1'-0"



**04** TYPICAL CONTROL JOINT DETAIL  
1 1/2"=1'-0"



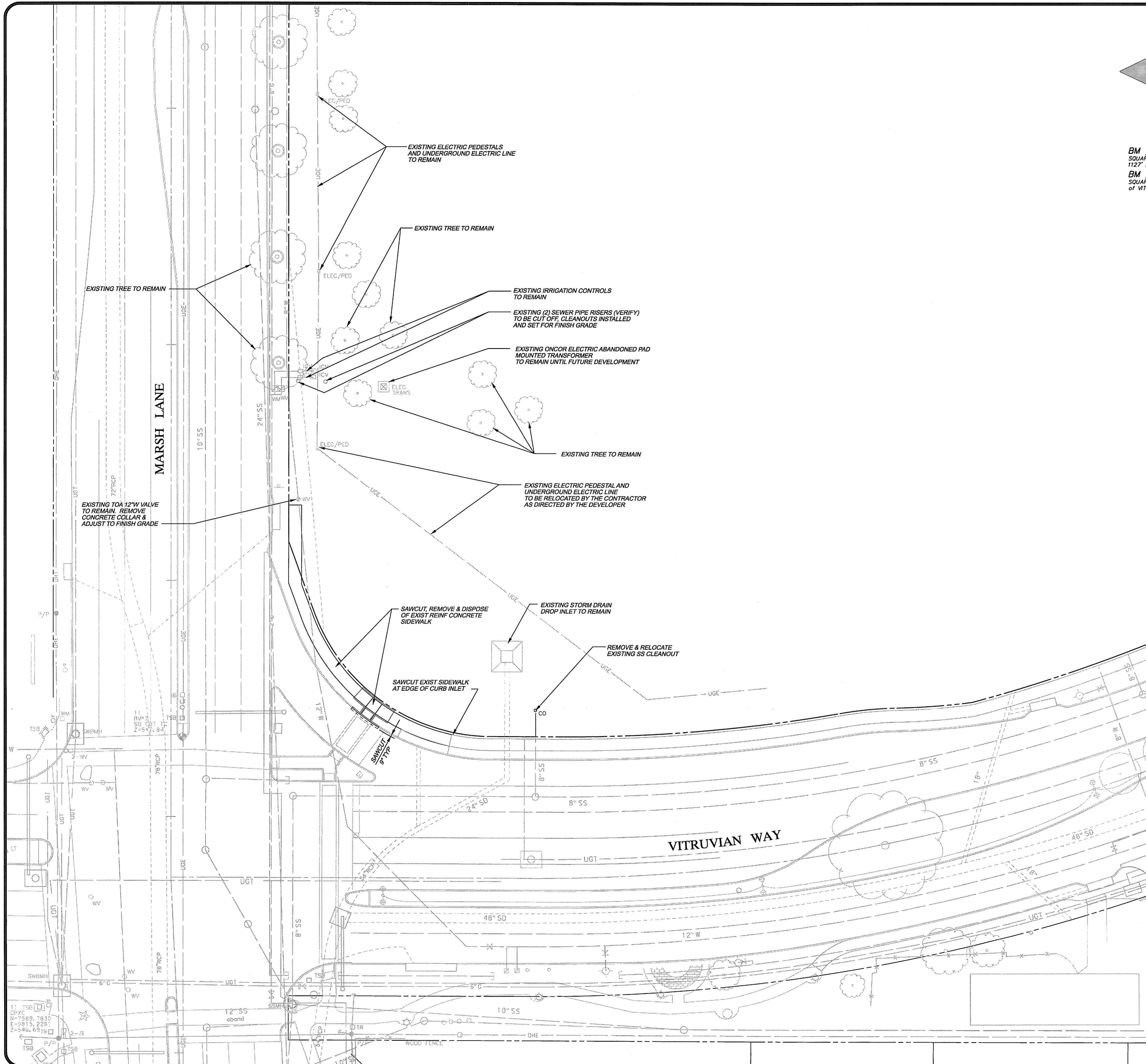
RE-ISSUED FOR CONSTRUCTION: 09/15/10

| SECTIONS  |       |          |           |          |       |
|---|-------|----------|-----------|----------|-------|
| VITRUVIAN MONUMENT SIGN   |       |          |           |          |       |
| ADDISON, TEXAS  |       |          |           |          |       |
| VIEWTECH, INC.  |       |          |           |          |       |
| 4205 BELTWAY DR. ADDISON, TX. 75001 (972) 661-8187 FAX (972) 661-8172 |       |          |           |          |       |
| DESIGN  | DRAWN | DATE     | SCALE     | JOB #    | SHEET |
| VL  | RS    | 09/15/10 | 1 1/2"=1' | 2010-125 | S4.1  |

TEXAS FIRM REG. # F-2658

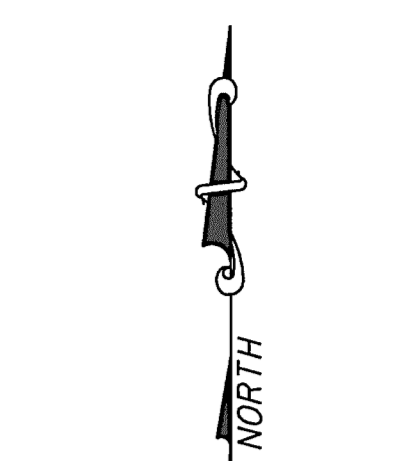






**WARNING**

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**BM #1 REF. ELEVATION = 559.47**  
 SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.

**BM #2 REF. ELEVATION = 547.84**  
 SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

**DEMOLITION NOTES:**

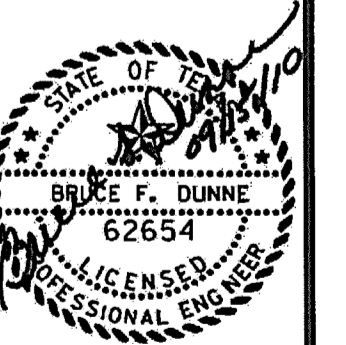
1. GENERAL CONSTRUCTION NOTES: REFER TO SHEET C100 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.
2. INGRESS AND EGRESS: THE CONTRACTOR SHALL MAINTAIN INGRESS AND EGRESS TO THE SITE AND ADJACENT PROPERTY AT ALL TIMES AND CONDUCT HIS OPERATIONS WITH MINIMUM INTERFERENCE TO PUBLIC OR PRIVATE ACCESSSES.
3. PROTECTION OF EXISTING FACILITIES: CONTRACTOR SHALL PROVIDE, ERECT, AND MAINTAIN TEMPORARY BARRIERS, FENCING, BRACING AND SHORING, AND SECURITY DEVICES TO PROTECT EXISTING STRUCTURES, UTILITIES, APPURTENANCES, TREES AND LANDSCAPING, AND TO PREVENT MOVEMENT OR SETTLEMENT OF EXISTING STRUCTURES WHICH ARE NOT TO BE DEMOLISHED AND/OR REMOVED.
4. FRANCHISE UTILITY COORDINATION: THE CONTRACTOR SHALL NOTIFY AND COORDINATE WITH ALL FRANCHISE UTILITY COMPANIES FOR THE REMOVAL AND/OR RELOCATION OF THE RESPECTIVE UTILITY LINES AND LINES AND APPARATUSSES USED BY EACH UTILITY. ALL WORK ASSOCIATED WITH FRANCHISE UTILITY REMOVAL, RELOCATION AND/OR MODIFICATIONS ARE TO BE PERFORMED ONLY BY THAT UTILITY PROVIDER UNLESS SPECIFICALLY NOTED OTHERWISE.
5. SAWCUTTING OF EXISTING PAVEMENT: SAWCUTTING, WHERE INDICATED ON THE DRAWINGS FOR REMOVAL OF EXISTING PAVEMENT, SHALL BE A FULL DEPTH CUT THAT IS NEAT AND TRUE IN ALIGNMENT.
6. BACKFILLING: THE CONTRACTOR SHALL BACKFILL ALL EXCAVATED AREAS CAUSED AS A RESULT OF DEMOLITION, AND PROVIDE POSITIVE DRAINAGE TO PREVENT PONDING OF WATER.
7. REMOVAL OF MATERIALS FROM SITE: ALL MATERIALS TO BE REMOVED FROM THE SITE INCLUDING BUT NOT LIMITED TO BUILDING MATERIALS; UNSUITABLE EARTHEN MATERIAL; UTILITY PIPING; FENCING; ROCK; TRASH; REFUSE AND OTHER DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LEGALLY DISPOSED OF OUTSIDE THE LIMITS OF THE PROJECT AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS GOVERNING SPILLAGE OF DEBRIS WHILE TRANSPORTING TO A DISPOSAL SITE.
8. REPLACEMENT OF DAMAGED FACILITIES: ALL STRUCTURES, UTILITIES, PAVEMENT, SIDEWALKS, WALLS, FENCES, ETC. NOT DESIGNATED TO BE REMOVED BUT THAT ARE DAMAGED DURING CONSTRUCTION ACTIVITIES SHALL BE REPLACED TO A CONDITION AS GOOD AS OR BETTER THAN THE CONDITIONS PRIOR TO STARTING THE WORK SOLELY AT THE EXPENSE OF THE CONTRACTOR.

DATE: 09/15/10  
 REVISION:  
 2 REVISED ISSUED FOR CONSTRUCTION  
 1 ISSUED FOR CONSTRUCTION

**icon**  
 Consulting Engineers, Inc.  
 Civil Engineers - Designers - Planners  
 Biocommercial Financial Center  
 260 W. Southlake Blvd., Suite 117  
 Southlake, TX 76092  
 Phone: (817) 552-8210  
 Fax: (817) 552-3128

DEMOLITION PLAN

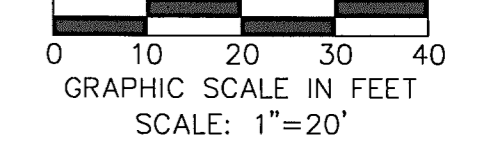
Vitruvian Park  
 Monument Sign South  
 Vitruvian Way & Marsh Lane  
 Addison, Texas



Date: 07/01/10  
 Scale: 1"=20'  
 Drawn By: ICE  
 Reviewed By: ICE  
 Project: 5019-07

SHEET  
**C101**

**WARNING**  
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**BM #1 REF. ELEVATION = 559.47**  
 SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.  
**BM #2 REF. ELEVATION = 547.84**  
 SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

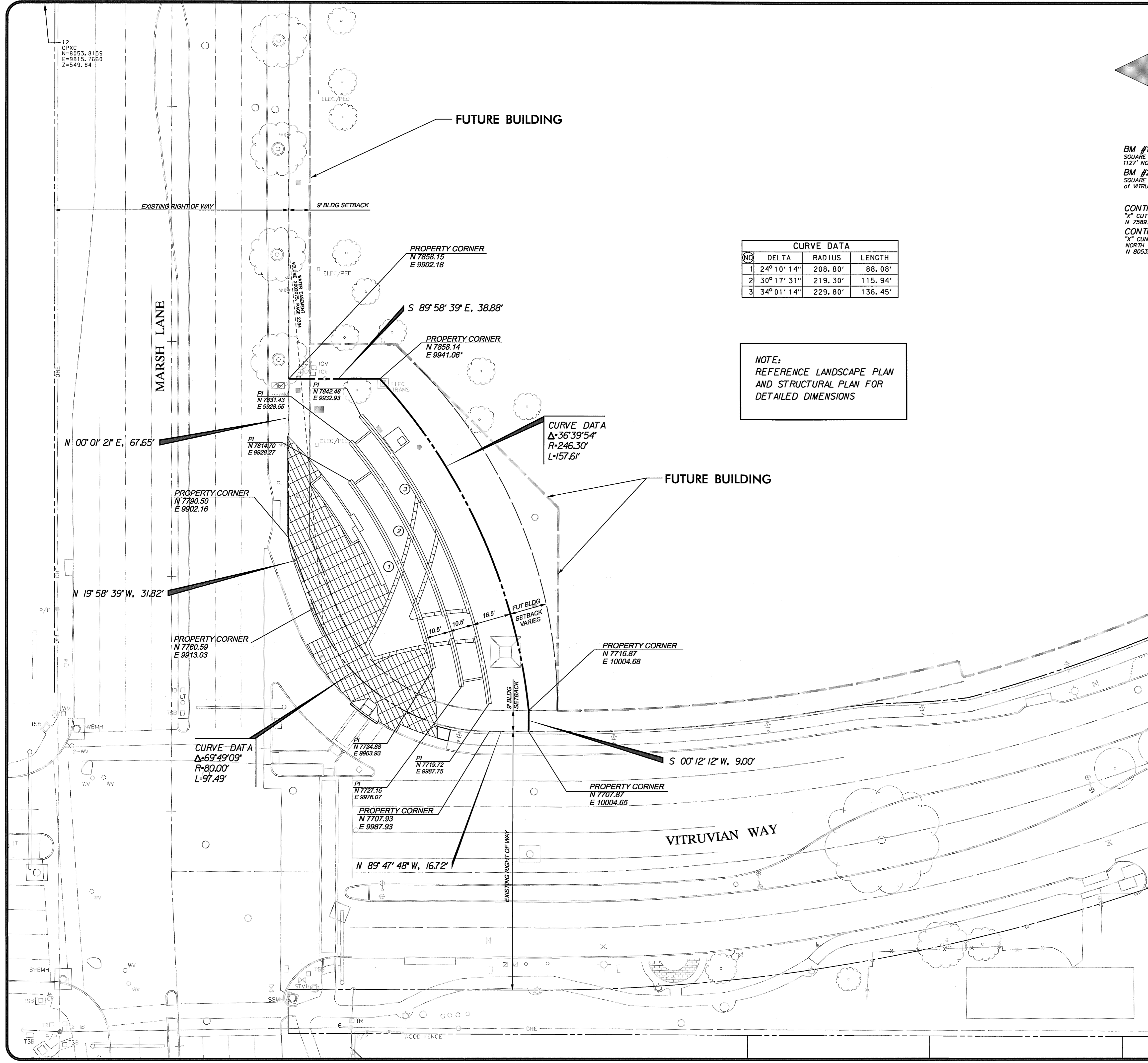
**CONTROL POINT # 11**  
 "X" CUT CONCRETE, SOUTHWEST CORNER OF VITRUVIAN WAY & MARSH LANE  
 N 7589.78, E 9815.23, EL=546.69  
**CONTROL POINT #12**  
 "X" CUN IN TOP OF CURB INLET ON THE WEST SIDE OF MARSH LANE 405' NORTH OF VITRUVIAN WAY  
 N 8053.82, E 9815.77, EL=549.84

| NO | DELTA       | RADIUS  | LENGTH  |
|----|-------------|---------|---------|
| 1  | 24° 10' 14" | 208.80' | 88.08'  |
| 2  | 30° 17' 31" | 219.30' | 115.94' |
| 3  | 34° 01' 14" | 229.80' | 136.45' |

**NOTE:**  
 REFERENCE LANDSCAPE PLAN AND STRUCTURAL PLAN FOR DETAILED DIMENSIONS

**LAYOUT & DIMENSIONAL CONTROL NOTES**

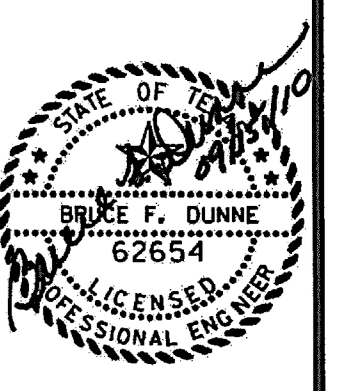
1. GENERAL CONSTRUCTION NOTES: REFER TO SHEET C100 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.
2. SURVEYING: ALL SURVEYING REQUIRED FOR CONSTRUCTION STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE DEVELOPER SHALL PROVIDE THE PROPERTY CORNERS AND TWO BENCHMARKS FOR USE AS HORIZONTAL AND VERTICAL DATUM. THE CONTRACTOR SHALL EMPLOY A REGISTERED PROFESSIONAL LAND SURVEYOR TO PERFORM ALL ADDITIONAL SURVEY, LAYOUT AND MEASUREMENT WORK NECESSARY FOR THE COMPLETION OF THE PROJECT.
3. PROTECTION OF PROPERTY CORNERS AND BENCHMARKS: THE CONTRACTOR SHALL PROTECT ALL PROPERTY CORNER MARKERS AND BENCHMARKS, AND WHEN ANY SUCH MARKERS OR MONUMENTS ARE IN DANGER OF BEING DISTURBED, THEY SHALL BE PROPERLY REFERENCED AND IF DISTURBED, SHALL BE RESET BY A REGISTERED PUBLIC SURVEYOR AT THE EXPENSE OF THE CONTRACTOR.
4. DIMENSIONAL CONTROL: ALL DIMENSIONS AND COORDINATES SHOWN ARE TO CENTERLINE OF CONCRETE WALL WHERE APPLICABLE.



| NO | REVISION                        | DATE     | BY  |
|----|---------------------------------|----------|-----|
| 1  | ISSUED FOR CONSTRUCTION         | 07/01/10 | ICE |
| 2  | REVISED ISSUED FOR CONSTRUCTION | 09/15/10 | ICE |

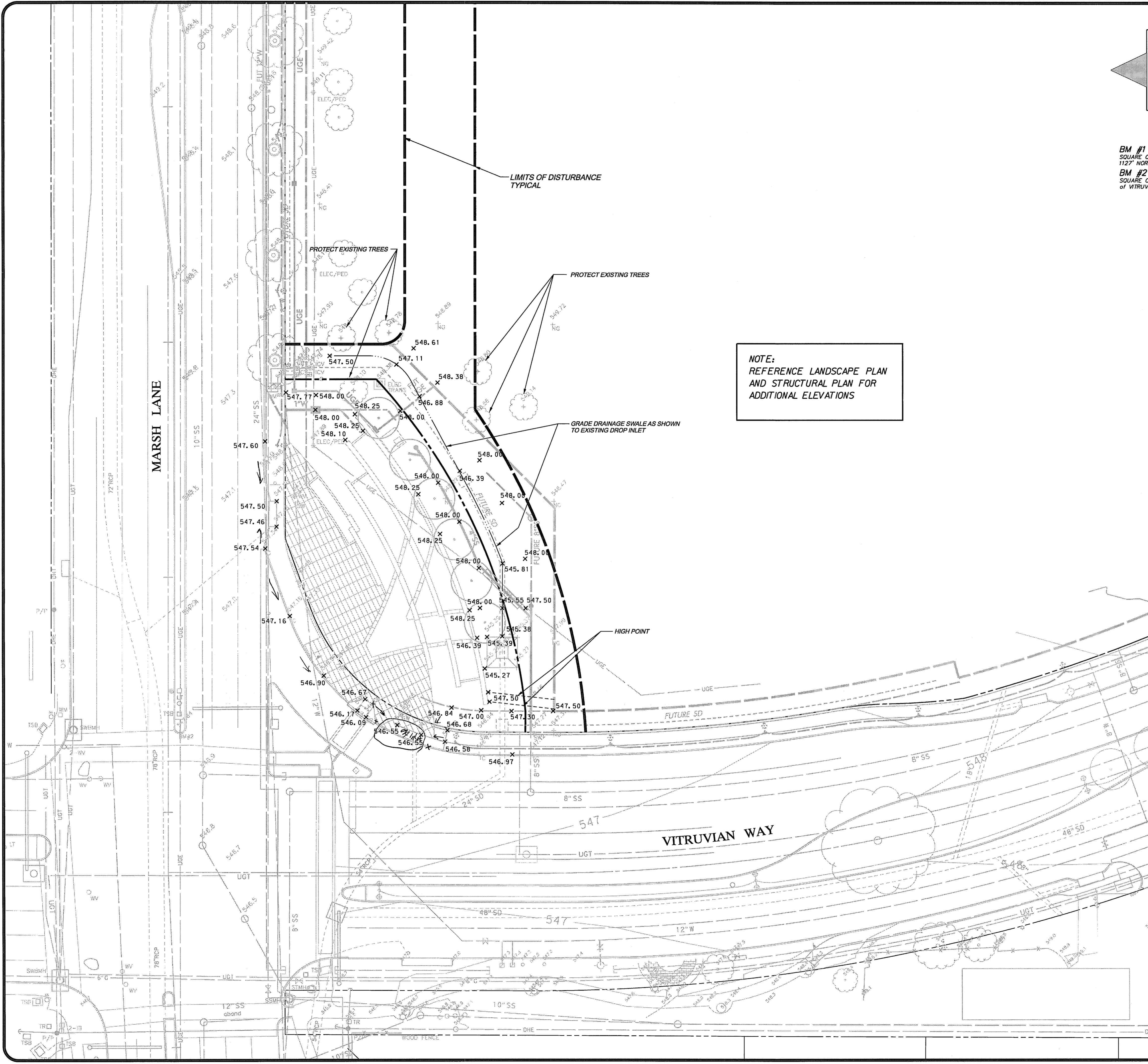
**icon**  
 Consulting Engineers, Inc.  
 Civil Engineers - Designers - Planners  
 Biometrical Financial Center  
 250 W. Southlake Blvd., Suite 117  
 Southlake, Texas 75478  
 Phone: (817) 552-8210  
 Fax: (817) 552-3126

**Vitruvian Park  
 Monument Sign South  
 Vitruvian Way & Marsh Lane  
 Addison, Texas**



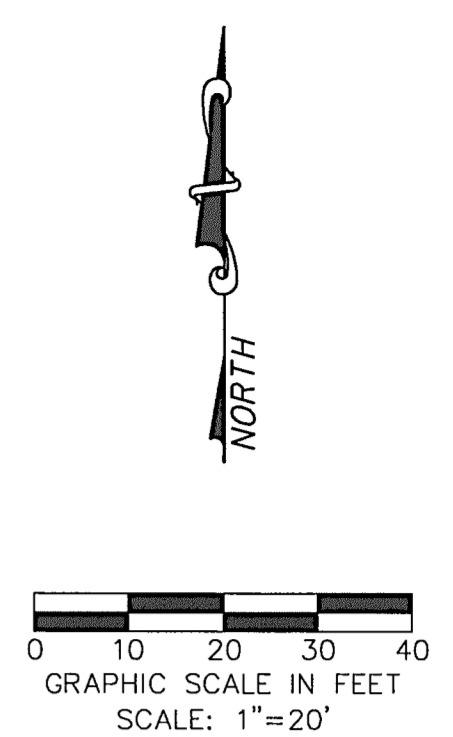
Date: 07/01/10  
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 Drawn By: ICE  
 Reviewed By: ICE  
 Project: 5019-07

**SHEET  
 C201**



**WARNING**

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**BM #1 REF. ELEVATION = 559.47**  
 SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE  
 1127' NORTH OF VITRUVIAN WAY.

**BM #2 REF. ELEVATION = 547.84**  
 SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION  
 OF VITRUVIAN WAY AND MARSH LANE.

**GRADING NOTES**

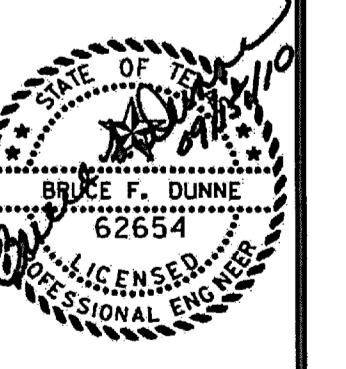
1. GENERAL CONSTRUCTION NOTES: REFER TO SHEET C100 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.
  2. UNDISTURBED AREAS: PRIOR TO GRADING, BRUSH REMOVAL, OR SITE CONSTRUCTION, THE CONTRACTOR SHALL MEET WITH THE DEVELOPER AND/OR ENGINEER AT THE SITE TO ASCERTAIN THE AREAS OF THE PROJECT SITE THAT ARE TO BE PROTECTED AND PRESERVED. REFER TO THE "GENERAL TREE PROTECTION NOTES" FOR ALL CONSTRUCTION IN THE VICINITY OF EXISTING TREES.
  3. TESTING: ALL EARTHWORK OPERATIONS SHALL BE OBSERVED AND TESTED ON A CONTINUING BASIS BY THE GEOTECHNICAL ENGINEER FOR CONFORMANCE WITH THE REQUIREMENTS SET FORTH IN THE GEOTECHNICAL STUDY, AND SUPPLEMENTAL MATERIAL.
  4. STRIPPING AND DEBRIS REMOVAL: THE BUILDING PAD SITES, AREAS TO BE PAVED, AND ALL AREAS THAT ARE TO BE STRIPPED OF VEGETATION, TREES, ROOTS, STUMPS, DEBRIS, AND OTHER ORGANIC MATERIAL, THE DEPTH OF STRIPPING IS ESTIMATED TO BE ON THE ORDER OF SIX (6) INCHES IN ORDER TO REMOVE THE SURFACE SOIL CONTAINING ORGANIC MATERIAL. THE ACTUAL STRIPPING DEPTH SHALL BE BASED ON FIELD OBSERVATIONS. STRIPPED TOPSOIL SHALL BE STOCKPILED IN A LOCATION ON-SITE, APPROVED BY THE DEVELOPER. ALL TREES, INCLUDING STUMPS AND ROOT SYSTEMS, VEGETATION, DEBRIS AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OFF-SITE. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS GOVERNING SPILLAGE OF DEBRIS WHILE TRANSPORTING TO A DISPOSAL SITE. ALL COSTS ASSOCIATED WITH DISPOSAL OF MATERIAL SHALL BE INCLUDED IN THE CONTRACT AMOUNT.
  5. BURNING: BURNING SHALL NOT BE PERMITTED ON THE PROJECT SITE UNLESS APPROVED IN WRITING BY THE GOVERNING AUTHORITIES AND THE DEVELOPER.
  6. PROOF ROLLING: UPON COMPLETION OF STRIPPING OPERATIONS, AND PRIOR TO PLACEMENT OF ANY FILL MATERIALS, THE STRIPPED AREAS SHOULD BE OBSERVED TO DETERMINE IF ADDITIONAL EXCAVATION IS REQUIRED TO REMOVE WEAK OR OTHERWISE OBJECTIONABLE MATERIALS THAT WOULD ADVERSELY AFFECT THE FILL PLACEMENT. THE SUBGRADE SHOULD BE FIRM AND ABLE TO SUPPORT CONSTRUCTION EQUIPMENT WITHOUT DISPLACEMENT. SOFT OR YIELDING SUBGRADE SHOULD BE CORRECTED AND MADE STABLE BEFORE CONSTRUCTION PROCEEDS. PROOF ROLLING SHOULD BE PERFORMED USING A HEAVY PNEUMATIC TIRE ROLLER, LOADED DUMP TRUCK, OR SIMILAR PIECE OF EQUIPMENT WEIGHING 25 TONS. THE PROOF ROLLING OPERATIONS SHOULD BE OBSERVED BY THE GEOTECHNICAL ENGINEER OR HIS REPRESENTATIVE.
  7. UNSTABLE MATERIAL: WHEN CLAY OR OTHER UNSTABLE MATERIAL IS PRESENT IN AREAS OF PROPOSED BUILDING PADS OR PAVED AREAS, THE GEOTECHNICAL ENGINEER SHALL OBSERVE THE STABILITY OF ANY EXISTING CLAY OR WEATHERED MATERIAL THAT IS PRESENT IN THE SUBBASE AND SHALL DETERMINE WHETHER ADDITIONAL EXCAVATION OF THESE MATERIALS WILL BE REQUIRED. IF THIS MATERIAL IS DEEMED SUITABLE FOR SUBBASE MATERIAL, THE SUBGRADE SHALL BE SCARIFIED TO A DEPTH OF (6) INCHES, ITS MOISTURE CONTENT ADJUSTED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER, AND THEN RE-COMPACTED TO ONE HUNDRED (100) PERCENT OF THE OPTIMUM DENSITY DETERMINED BY THE STANDARD PROCTOR TEST, ASTM D - 698 PRIOR TO PLACEMENT OF FILL MATERIALS.
  8. CONTROLLED FILL: ALL SOILS USED FOR CONTROLLED FILL SHOULD BE FREE OF ROOTS, VEGETATION, AND OTHER DELETERIOUS OR UNDESIRABLE MATTER. ROCKS LESS THAN 4 INCHES IN LARGEST DIMENSION WITHIN 15" OF PROPOSED SUBGRADE ELEVATION, LESS THAN 6 INCHES IN SIZE FROM 15" TO 36" OF PROPOSED SUBGRADE ELEVATION, LESS THAN 12 INCHES IN SIZE FROM 36" TO 72" OF PROPOSED SUBGRADE ELEVATION, AND LESS THAN 18 INCHES IN LARGEST DIMENSION FOR FILLS IN EXCESS OF 72" FROM SUBGRADE ELEVATION, WILL BE ALLOWED AS ACCEPTABLE FILL MATERIAL. ROCK FILLS SHOULD BE SUPPLEMENTED WITH A SUFFICIENT AMOUNT OF FINE MATERIAL TO PREVENT VOIDS. SOILS IMPORTED FROM OFF-SITE FOR USE AS FILL SHOULD BE APPROVED BY THE GEOTECHNICAL ENGINEER. THE FILL MATERIAL SHOULD BE PLACED IN LEVEL, UNIFORM LIFTS, WITH EACH LIFT COMPACTED TO THE MINIMUM DRY DENSITY WITHIN THE COMPACTION SOIL MOISTURE RANGES RECOMMENDED. THE LOOSE LIFT THICKNESS SHOULD NOT EXCEED 10 INCHES EACH LAYER SHOULD BE PROPERLY PLACED, MIXED, SPREAD, AND COMPACTED TO BETWEEN 95 AND 100 PERCENT OF STANDARD PROCTOR DENSITY AS DETERMINED BY ASTM D 698.
  9. PROPOSED GRADES: THE PROPOSED CONTOURS INDICATED ON THE GRADING PLAN ARE FINISHED GRADES AND ARE SHOWN AT ONE-FOOT INTERVALS. SPOT ELEVATIONS SHOWN IN PAVED AREAS ARE TOP OF PAVEMENT, UNLESS NOTED OTHERWISE.
  10. MASS GRADE ELEVATIONS: THE CONTRACTOR SHALL BE RESPONSIBLE FOR MASS GRADING OF THE SITE TO THE FOLLOWING ELEVATIONS:
    - 4" BELOW FINISHED GRADE FOR ALL SIDEWALK PAVEMENT AREAS.
    - 6" BELOW FINISHED GRADE FOR ALL LANDSCAPE AREAS.
- LANDSCAPE AREAS ARE TO BE GRADED WITHIN +/- 0.30 FEET OF THE FINISHED GRADE.
11. ACCESSIBILITY COMPLIANCE: THE CONTRACTOR SHALL COMPLY WITH ALL ADA AND TEXAS ACCESSIBILITY STANDARDS FOR REQUIREMENTS REGARDING MAXIMUM SLOPES FOR SIDEWALKS, ACCESS RAMPS AND ACCESSIBLE ROUTES.
  12. LANDSCAPE AREAS: ALL LANDSCAPE AREAS AND OTHER DISTURBED AREAS WITHIN THE LIMITS OF THE PROPERTY NOT DESIGNATED TO BE PAVED SHALL RECEIVE SIX (6) INCHES OF TOPSOIL. REFER TO THE EROSION AND SEDIMENT CONTROL PLANS AND/OR LANDSCAPE PLANS FOR LIMITS OF TOPSOIL PLACEMENT.
  13. EARTHWORK QUANTITIES: THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALCULATING THE EARTHWORK QUANTITIES BASED ON THE EXISTING AND PROPOSED CONTOURS SHOWN ON THESE PLANS. ALL EARTHWORK SHALL BE CONSIDERED UNCLASSIFIED EXCAVATION AND BID ON A LUMP SUM BASIS, UNLESS NOTED OTHERWISE.
  14. LIMITS OF CONSTRUCTION: NO WORK IS TO BE PERFORMED OUTSIDE OF THE DEFINED LIMITS OF CONSTRUCTION.

| NO. | REVISION                        | DATE         |
|-----|---------------------------------|--------------|
| 2   | REVISED ISSUED FOR CONSTRUCTION | ICE 09/15/10 |
| 1   | ISSUED FOR CONSTRUCTION         | ICE 07/07/10 |

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 Bicontinental Financial Center  
 2450 W. Southlake Blvd., Suite 117  
 Southlake, TX 76092  
 Phone: (817) 552-6210  
 Fax: (817) 552-3126

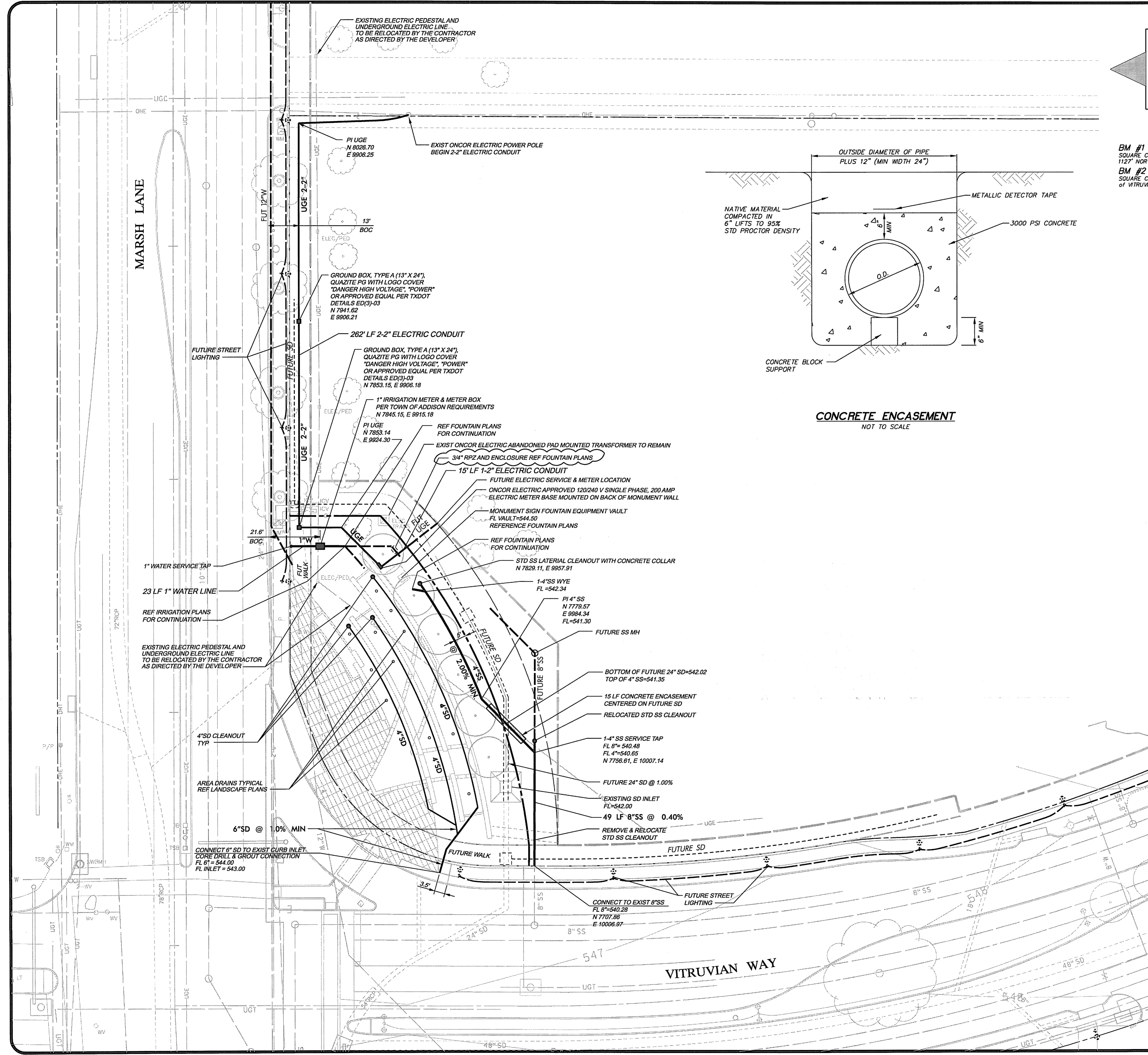
**GRADING & DRAINAGE PLAN**

**Vitruvian Park  
 Monument Sign South  
 Vitruvian Way & Marsh Lane  
 Addison, Texas**



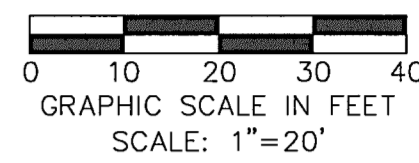
Date: 07/01/10  
 Scale: 1"=20'  
 Drawn By: ICE  
 Reviewed By: ICE  
 Project: 5019-07

**SHEET  
 C301**



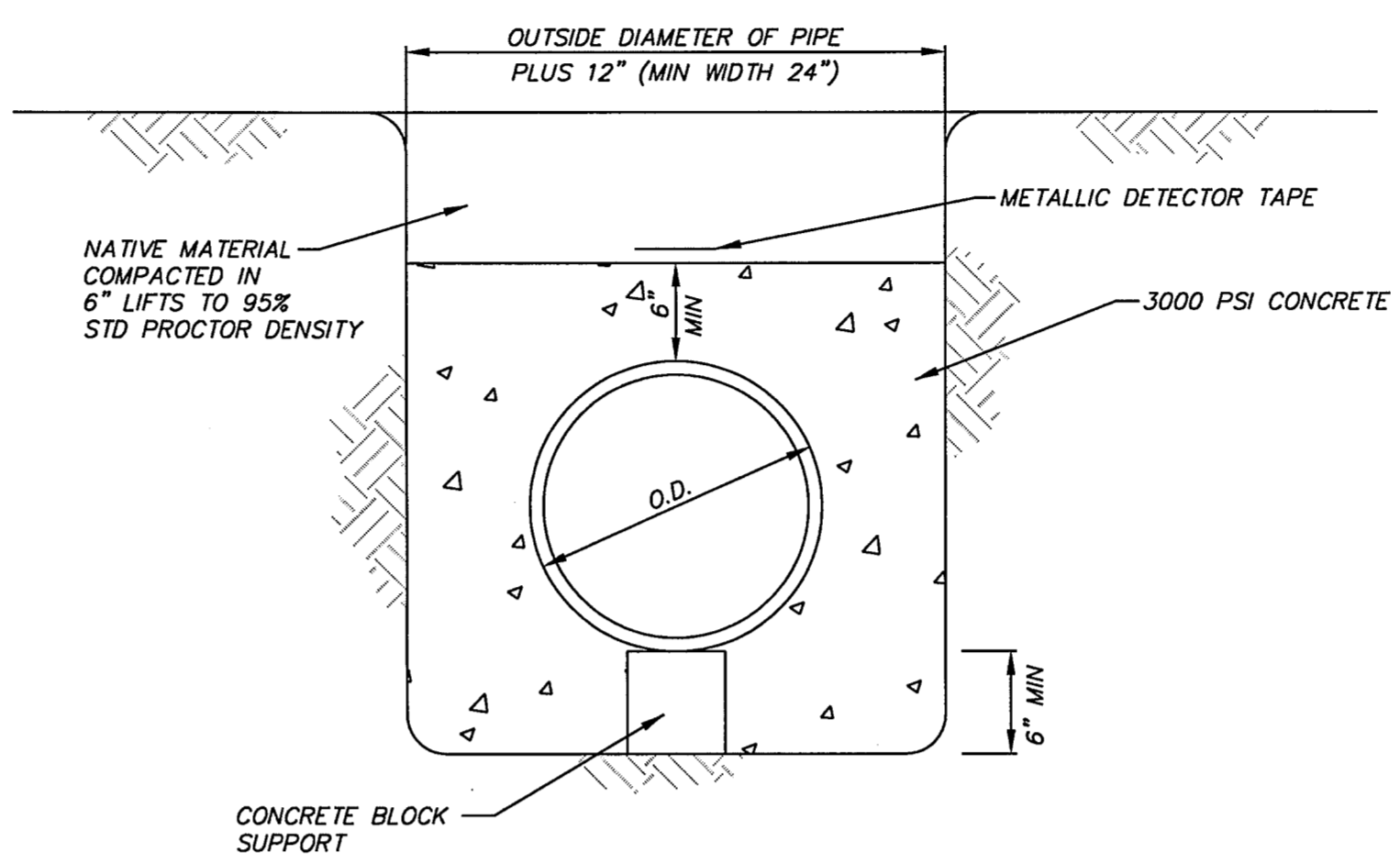
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**BM #1 REF. ELEVATION = 559.47**  
 SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.

**BM #2 REF. ELEVATION = 547.84**  
 SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.



**CONCRETE ENCASEMENT**  
 NOT TO SCALE

**UTILITY NOTES**

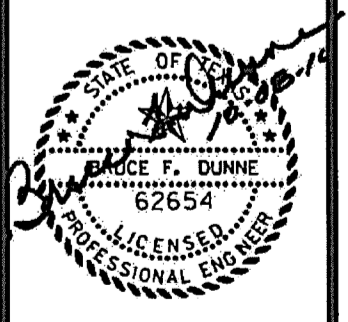
1. **GENERAL CONSTRUCTION NOTES:** REFER TO SHEET C100 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.
2. **INSPECTION AND TESTING:** THE CONTRACTOR SHALL COORDINATE INSPECTION AND TESTING WITH THE APPROPRIATE GOVERNING AUTHORITIES PRIOR TO BACKFILLING TRENCHES FOR ALL UTILITIES.
3. **TRENCH COMPACTION:** THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COMPACTION TO A MINIMUM OF 95% STANDARD PROCTOR IN AREAS OF PROPOSED AND FUTURE PAVEMENT AND ALL AREAS EXCAVATED AT THE BUILDING FOOTINGS FOR UTILITY SERVICE ENTRIES. TRENCHES WHICH LIE OUTSIDE THESE AREAS SHALL BE COMPACTED TO A MINIMUM OF 90% STANDARD PROCTOR.
4. **CONFLICTS:** THE CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND TO ASSURE PROPER DEPTHS ARE ACHIEVED. IN THE EVENT OF A CONFLICT BETWEEN WATER LINES AND STORM DRAIN OR SANITARY SEWER PIPING, THE CONTRACTOR SHALL ADJUST THE WATER LINE DOWNWARDS IN SUCH A MANNER SO THAT THE PIPE MANUFACTURER'S RECOMMENDATIONS ON THE PIPE DEFLECTIONS AND JOINT STRESS ARE NOT EXCEEDED.
5. **CONNECTION TO EXISTING UTILITIES:** THE CONTRACTOR SHALL VERIFY THE SIZE, TYPE, ELEVATION, CONFIGURATION, AND ANGLE OF EXISTING WATER, SANITARY SEWER AND UTILITY LINES PRIOR TO CONSTRUCTION OF TIE-IN MATERIALS. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR REPAIRS TO EXISTING FACILITIES DAMAGED BY HIS ACTIVITIES.
6. **WATER METERS:** THE CONTRACTOR SHALL ACQUIRE BOTH DOMESTIC AND IRRIGATION METERS FROM THE GOVERNING AUTHORITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING METERS INSTALLED IN BOXES AND CONNECTING PUBLIC TO PRIVATE WATER LINES.
7. **PIPE COVER:** TOP OF ALL WATER LINES SHALL BE INSTALLED WITH A MINIMUM COVER OF 42".
8. **HORIZONTAL BLOCKING:** HORIZONTAL BLOCKING FOR WATER LINES HAS BEEN OMITTED FOR CLARITY, HOWEVER, BLOCKING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE GOVERNING AUTHORITIES' STANDARD DETAILS.
9. **THRUST BLOCKING:** THRUST BLOCKING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE GOVERNING AUTHORITIES' STANDARD DETAILS. DO NOT COVER BELLS OR FLANGES WITH CONCRETE. THE CONTRACTOR SHALL REMOVE EXISTING THRUST BLOCKING OR RESTRAINTS WHERE NECESSARY TO ALLOW THE WORK TO PROCEED, AND SHALL REPLACE THE THRUST BLOCKS WHERE REQUIRED, THE COST TO REMOVE, REPLACE OR PROVIDE THRUST BLOCKING SHALL BE INCLUDED IN THE CONTRACT AMOUNT.
10. **ADDITIONAL BENDS:** THE CONTRACTOR SHALL SUPPLY AND INSTALL ANY ADDITIONAL BENDS WITH THRUST BLOCKING AND OTHER APPURTENANCES REQUIRED TO ASSURE PROPER INSTALLATION OF WATER MAINS AND LATERALS. THE CONTRACTOR MAY PULL PIPE AS NEEDED AT THE BENDS WHERE THE DEFLECTION ANGLE OF THE PIPE DOES NOT MATCH THE ANGLE OF THE BEND PROVIDED THE PIPE DEFLECTION IS WITHIN TOLERABLE MANUFACTURER'S LIMITS. THE COST FOR ADDITIONAL BENDS AND BLOCKING SHALL BE INCLUDED IN THE CONTRACT AMOUNT.
11. **POLYETHYLENE WRAP:** ALL VALVES, DUCTILE IRON AND CAST IRON PIPE, FITTINGS AND SPECIALS SHALL BE POLYETHYLENE WRAPPED.
12. **ADJUSTMENTS:** THE CONTRACTOR IS RESPONSIBLE FOR ADJUSTING ALL MANHOLES, CLEANOUTS, VALVES, BOXES, VAULTS AND HYDRANTS TO FINAL GRADE. THE COST SHALL BE INCLUDED IN THE CONTRACT AMOUNT.
13. **APPURTENANCES:** ALL VALVES AND OTHER APPURTENANCES ON ALL FIRE PROTECTION LINES SHALL BE UL/FM APPROVED. THE COST SHALL BE INCLUDED IN THE CONTRACT AMOUNT.
14. **FIRE PROTECTION WORK:** ALL FIRE PROTECTION WORK MUST BE PERMITTED AND APPROVED BY THE GOVERNING AUTHORITIES' FIRE DEPARTMENT. THE CONTRACTOR SHALL CONDUCT ALL REQUIRED PRESSURE TESTS ON THE FIRE PROTECTION LINES TO THE SATISFACTION OF THE FIRE MARSHALL FOR THE GOVERNING AUTHORITY AS WELL AS THE DEVELOPER'S INSURANCE CARRIER.
15. **SANITARY SEWER PIPE:** ALL SEWER PIPE SHALL BE SDR-35, IN ACCORDANCE WITH ASTM SPECIFICATIONS D-3034 FOR 4" THROUGH 15", AND ASTM F-879 FOR 15" THROUGH 27".
16. **WATER PIPE:** ALL WATER MAINS 4 INCH THROUGH 12 INCH SHALL BE C-900 (SDR - 18), WATER MAINS 14 INCH THROUGH 36 INCH SHALL BE C-905 (SDR - 18). WATER LINES LESS THAN 4" SHALL BE TYPE K COPPER.
17. **STORM DRAIN PIPE:** ALL STORM DRAIN PIPE SHALL BE PVC SDR-35, IN ACCORDANCE WITH ASTM SPECIFICATIONS D-3034 FOR 4" THROUGH 15".
18. **STORM DRAIN PIPE GROUTING:** ALL PIPE ENTERING PUBLIC STORM DRAIN STRUCTURES SHALL BE GROUTED TO ASSURE WATERTIGHT CONNECTIONS.

| NO. | REVISION                                  | DATE     |
|-----|---|----------|
| 1   | ISSUED FOR CONSTRUCTION                   | 10/08/10 |
| 2   | REVISED ISSUED FOR CONSTRUCTION           | 10/08/10 |
| 3   | ICE POINT OF SERVICE                      | 10/08/10 |
| 4   | ADD REFERENCE TO FOUNTAIN RPZ REQUIREMENT | 10/08/10 |

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 Civil Engineers - Designers - Planners  
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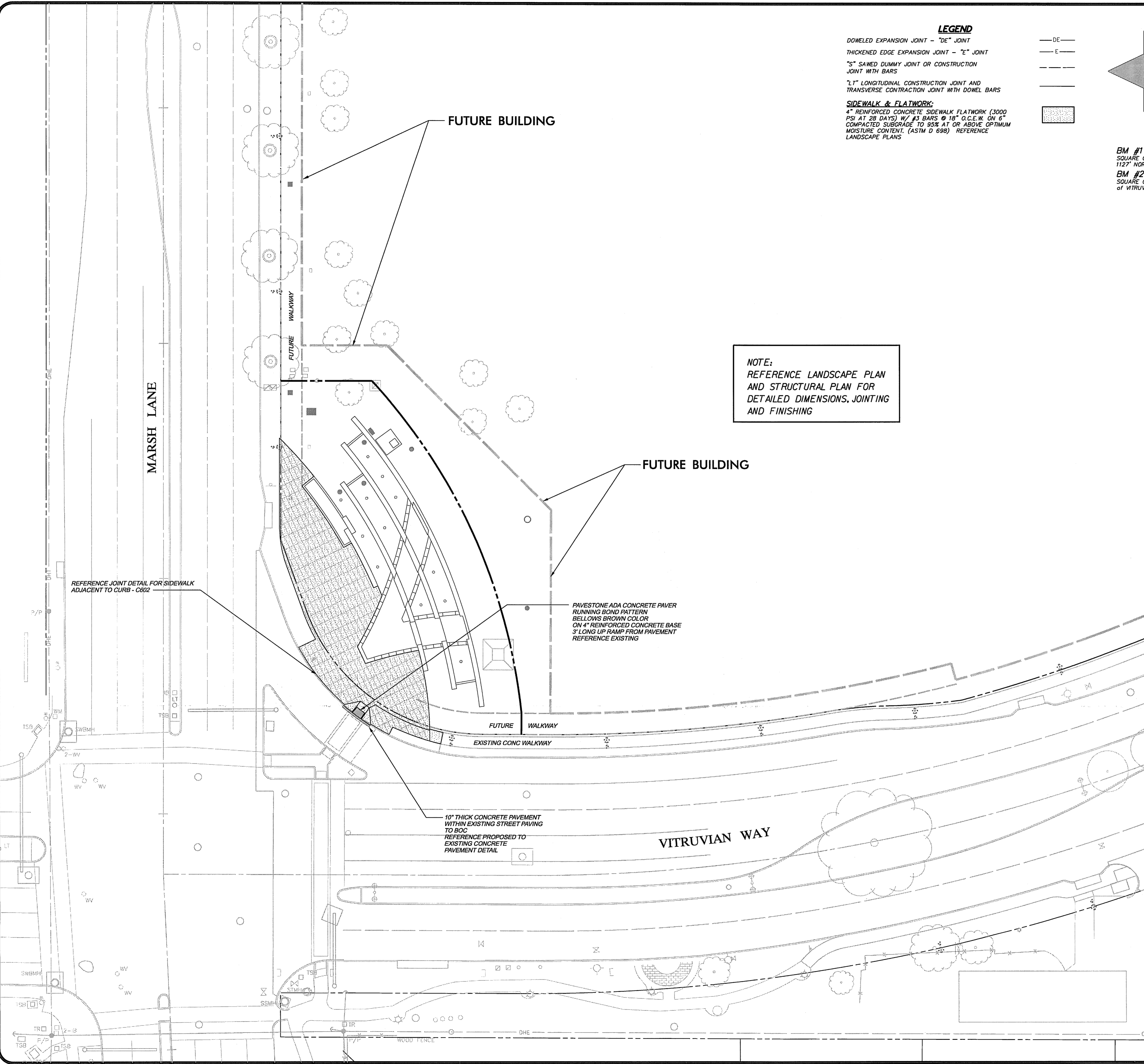
**UTILITY PLAN**

**Vitruvian Park  
 Monument Sign South  
 Vitruvian Way & Marsh Lane  
 Addison, Texas**



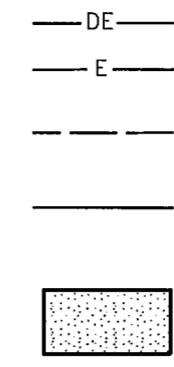
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 Scale: 1"=20'  
 Drawn By: ICE  
 Reviewed By: ICE  
 Project: 5019-07

**SHEET  
 C501**

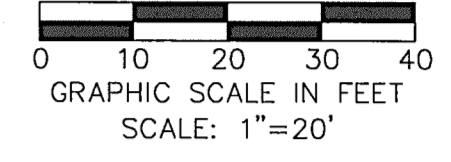


**LEGEND**

- DOWELED EXPANSION JOINT - "DE" JOINT
- THICKENED EDGE EXPANSION JOINT - "E" JOINT
- "S" SAWED DUMMY JOINT OR CONSTRUCTION JOINT WITH BARS
- "L" LONGITUDINAL CONSTRUCTION JOINT AND TRANSVERSE CONSTRUCTION JOINT WITH DOWEL BARS
- SIDEWALK & FLATWORK:**
- 4" REINFORCED CONCRETE SIDEWALK FLATWORK (3000 PSI AT 28 DAYS) W/ #3 BARS @ 18" O.C.E.W. ON 6" COMPACTED SUBGRADE TO 95% AT OR ABOVE OPTIMUM MOISTURE CONTENT. (ASTM D 698) REFERENCE LANDSCAPE PLANS



**WARNING**  
 CONTRACTOR IS TO CONTACT TEXAS ONE-CALL SYSTEM (1-800-245-4545) OR OTHER UTILITY LOCATING SERVICES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITIES. ICON CONSULTING ENGINEERS, INC. IS NOT RESPONSIBLE FOR KNOWING ALL EXISTING UTILITIES IN THE PROJECT AREA NOR FOR DEPICTING THE EXACT LOCATIONS OF UTILITIES ON THESE DRAWINGS.



**BM #1 REF. ELEVATION = 559.47**  
 SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE 1127' NORTH OF VITRUVIAN WAY.  
**BM #2 REF. ELEVATION = 547.84**  
 SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION OF VITRUVIAN WAY AND MARSH LANE.

**PAVING NOTES**

1. **GENERAL CONSTRUCTION NOTES:** REFER TO SHEET C100 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.
2. **PROTECTION OF EXISTING IMPROVEMENTS:** THE CONTRACTOR SHALL TAKE CARE NOT TO DISTURB EXISTING UTILITIES, BUILDING FOUNDATION OR OTHER SITE STRUCTURES DURING PAVEMENT OPERATIONS.
3. **SUBGRADE PREPARATION:** PREPARATION OF SUBGRADE UNDER PAVED AREAS SHALL BE PERFORMED IN ACCORDANCE WITH THE GOVERNING AUTHORITIES' SPECIFICATIONS OR THE GEOTECHNICAL REPORT. THE MORE RESTRICTIVE REQUIREMENTS SHALL APPLY.  
 PREPARATION OF THE SUBGRADE FOR PAVING WITHIN RIGHT-OF-WAY, ACCESS EASEMENTS AND/OR FIRE LANES SHALL NOT BE INITIATED UNTIL ALL TESTING OF UNDERGROUND UTILITIES HAS BEEN COMPLETED AND VERIFIED TO MEET THE GOVERNING AUTHORITIES' SPECIFICATIONS AND AUTHORIZATION TO PROCEED HAS BEEN RECEIVED FROM THE INSPECTOR.  
 PAVEMENT SUBGRADE SHALL NOT BE ALLOWED TO RETAIN WATER. WET MATERIAL SHALL BE REMOVED TO DRY, SOUND MATERIAL AND APPROPRIATE DENSITY ACHIEVED PRIOR TO PAVING OPERATIONS.
4. **PROOF-ROLL SUBGRADE:** THE SUBGRADE SHALL BE PROOF-ROLLED WITH HEAVY PNEUMATIC EQUIPMENT. ANY SOFT OR PUMPING AREAS SHALL BE EXCAVATED TO FIRM SUBGRADE AND BACKFILLED AND RE-COMPACTED IN CONFORMANCE WITH THE GEOTECHNICAL REPORT.
5. **HYDRATED LIME:** HYDRATED LIME (IF REQUIRED) SHALL MEET THE REQUIREMENTS OF TxDOT ITEM 260, LIME TREATMENT USED AS SUBGRADE. LIME SHALL BE APPLIED AT THE RATE OF 6% BY WEIGHT, THOROUGHLY MIXED AND BLENDED WITH THE TOP 6" OF SUBGRADE AND UNIFORMLY COMPACTED TO A MINIMUM OF 100 PERCENT OF STANDARD PROCTOR (ASTM D698) DETERMINED BY THAT TEST. LIME STABILIZATION SHALL EXTEND ONE (1) FOOT OUTSIDE THE LIMITS OF THE PAVED AREA. IT SHOULD BE PROTECTED AND MAINTAINED IN A MOIST CONDITION UNTIL THE PAVEMENT IS PLACED.
6. **SAND CUSHION PROHIBITED:** THE USE OF SAND CUSHION UNDER PAVEMENT, INCLUDING SIDEWALKS, IS STRICTLY PROHIBITED.
7. **REINFORCING BARS:** ALL REINFORCING BARS SHALL BE GRADE 40 KSI DEFORMED REINFORCING STEEL. SIZE AND SPACING SHALL BE IN ACCORDANCE WITH THE DETAILS.
8. **BAR CHAIRS:** ALL REINFORCING STEEL AND DOWEL BARS IN PAVEMENT SHALL BE SUPPORTED AND MAINTAINED AT THE CORRECT CLEARANCES BY THE USE OF BAR CHAIRS OR OTHER APPROVED SUPPORT.
9. **CONNECTION TO EXISTING REINFORCED PAVEMENT:** WHERE PROPOSED PAVEMENT TO EXISTING PAVEMENT IS TO BE CONSTRUCTED BY THE CONTRACTOR, AT LEAST 15" OF REINFORCING STEEL SHALL BE EXPOSED FROM THE EXISTING PAVEMENT, OR THE CONTRACTOR SHALL PROVIDE HORIZONTAL DOWEL BARS PER THE DETAILS.
10. **TEMPERATURE CONDITIONS FOR CONCRETE PLACEMENT:** CONCRETE SHALL NOT BE PLACED WHEN THE TEMPERATURE IS BELOW 40 DEGREES FAHRENHEIT AND FALLING, BUT MAY BE PLACED WHEN TEMPERATURE IS ABOVE 35 DEGREES FAHRENHEIT AND RISING. THE TEMPERATURE READING SHALL BE TAKEN IN THE SHADE AND AWAY FROM ARTIFICIAL HEAT.
11. **CONCRETE PAVEMENT CURING:** MEMBRANE CURING TYPE 2, WHITE PIGMENTED, SHALL BE USED FOR CURING ALL CONCRETE SURFACES IMMEDIATELY AFTER FINISHING OF SURFACES AND SHALL BE IN ACCORDANCE WITH THE TEXAS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS ITEM #526.
12. **TESTING:** SAMPLES FOR STRENGTH TESTS OF THE CONCRETE PAVEMENT WILL BE TAKEN BY THE GEOTECHNICAL ENGINEER TO VERIFY DESIGN STRENGTH. PAVEMENT AREAS FOUND TO BE DEFICIENT IN STRENGTH SHALL BE REMOVED AND REPLACED SOLELY AT THE EXPENSE OF THE CONTRACTOR. THE GEOTECHNICAL ENGINEER SHALL ALSO RANDOMLY CORE THE PAVEMENT TO VERIFY THE THICKNESS OF CONCRETE. ANY AREA FOUND TO BE DEFICIENT IN THICKNESS SHALL BE REMOVED AND REPLACED SOLELY AT THE EXPENSE OF THE CONTRACTOR.
13. **SIDEWALKS AND RAMPS:** CONSTRUCTION OF SIDEWALKS, WHEELCHAIR RAMPS AND ACCESSIBLE ROUTES SHALL BE IN ACCORDANCE WITH THE TEXAS ACCESSIBILITY STANDARDS (TAS) AND THE AMERICANS DISABILITY ACT (ADA).
14. **PAVEMENT MARKINGS:** PAVEMENT MARKINGS SHALL BE PROVIDED IN ACCORDANCE WITH THE TEXAS "UNIFORM TRAFFIC MANUAL FOR PAVEMENT MARKINGS". FIRE LANES SHALL BE STRIPED IN ACCORDANCE WITH THE GOVERNING AUTHORITIES' REQUIREMENTS. ALL HANDICAP SYMBOLS, SIGNAGE AND PAVEMENT MARKINGS SHALL COMPLY WITH TAS AND ADA STANDARDS.

**PAVEMENT JOINTING NOTES**

1. **PAVEMENT JOINT LAYOUT:** IF A PROPOSED PAVEMENT JOINT LAYOUT PLAN HAS BEEN PROVIDED BY THE ENGINEER, THE CONTRACTOR SHALL IMPLEMENT THAT PLAN OR PROVIDE AN ALTERNATE JOINT LAYOUT TO THE ENGINEER FOR REVIEW. IF A PAVEMENT JOINT LAYOUT PLAN HAS NOT BEEN PROVIDED, THE CONTRACTOR WILL BE RESPONSIBLE FOR PREPARATION OF THE PLAN AND SUBMITTAL TO THE ENGINEER FOR REVIEW. THE CONTRACTORS' JOINT LAYOUT PLAN BE PROVIDED TO THE ENGINEER FOR REVIEW A MINIMUM OF 2 WEEKS PRIOR TO BEGINNING PAVING CONSTRUCTION.
2. **SAWCUTTING:** SAW CUTTING SHALL BE DONE WITHIN EIGHT (8) HOURS OF POUR OR AS SOON AS CONCRETE CAN SUPPORT WEIGHT. THE CONTRACTOR SHALL MARK JOINT LOCATIONS AT THE CENTERLINE OF THE DOWEL LENGTH DURING HIS PAVING OPERATIONS ALL SAWED JOINTS ARE TO BE TRUE IN ALIGNMENT AND SHALL CONTINUE THROUGH THE CURB. RADIAL JOINTS SHALL BE NO SHORTER THAN EIGHTEEN (18) INCHES.
3. **JOINT SEALING:** ALL CONSTRUCTION JOINTS SHALL BE SAWN, CLEANED OF DEBRIS, DIRT, DUST, SCALE, CURING COMPOUND AND CONCRETE, BLOWN DRY AND IMMEDIATELY SEALED. JOINT SEALING MATERIAL SHALL BE SONNEBORN SL 2 OR AN APPROVED EQUAL.
4. **ODD SHAPED PANELS:** ODD SHAPED PANELS SHALL BE REINFORCED WITH #3 BARS AT 18" EACH WAY. WHEN AN ODD SHAPE PANEL IS CONSIDERED TO BE ONE IN WHICH THE SLAB TAPERS TO A SHARP ANGLE THE LENGTH TO WIDTH RATIO EXCEEDS 3 TO 1 OR WHEN A SLAB IS NEITHER SQUARE NOR RECTANGULAR.
5. **EXPANSION JOINTS:** THE CONTRACTOR SHALL PROVIDE AN EXPANSION JOINT AROUND THE PERIMETER OF ANY BLOCKOUT IN THE CONCRETE PAVING.

**NOTE:**  
 REFERENCE LANDSCAPE PLAN AND STRUCTURAL PLAN FOR DETAILED DIMENSIONS, JOINTING AND FINISHING

PAVESTONE ADA CONCRETE PAVER RUNNING BOND PATTERN BELLOWS BROWN COLOR ON 4" REINFORCED CONCRETE BASE 3' LONG UP RAMP FROM PAVEMENT REFERENCE EXISTING

10" THICK CONCRETE PAVEMENT WITHIN EXISTING STREET PAVING TO BOC REFERENCE PROPOSED TO EXISTING CONCRETE PAVEMENT DETAIL

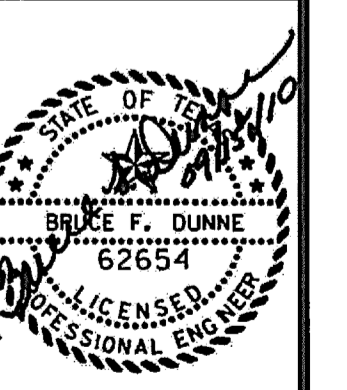
REFERENCE JOINT DETAIL FOR SIDEWALK ADJACENT TO CURB - C602

| NO. | REVISION                        | DATE     |
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| 2   | REVISED ISSUED FOR CONSTRUCTION | 09/15/10 |
| 1   | ISSUED FOR CONSTRUCTION         | 07/01/10 |

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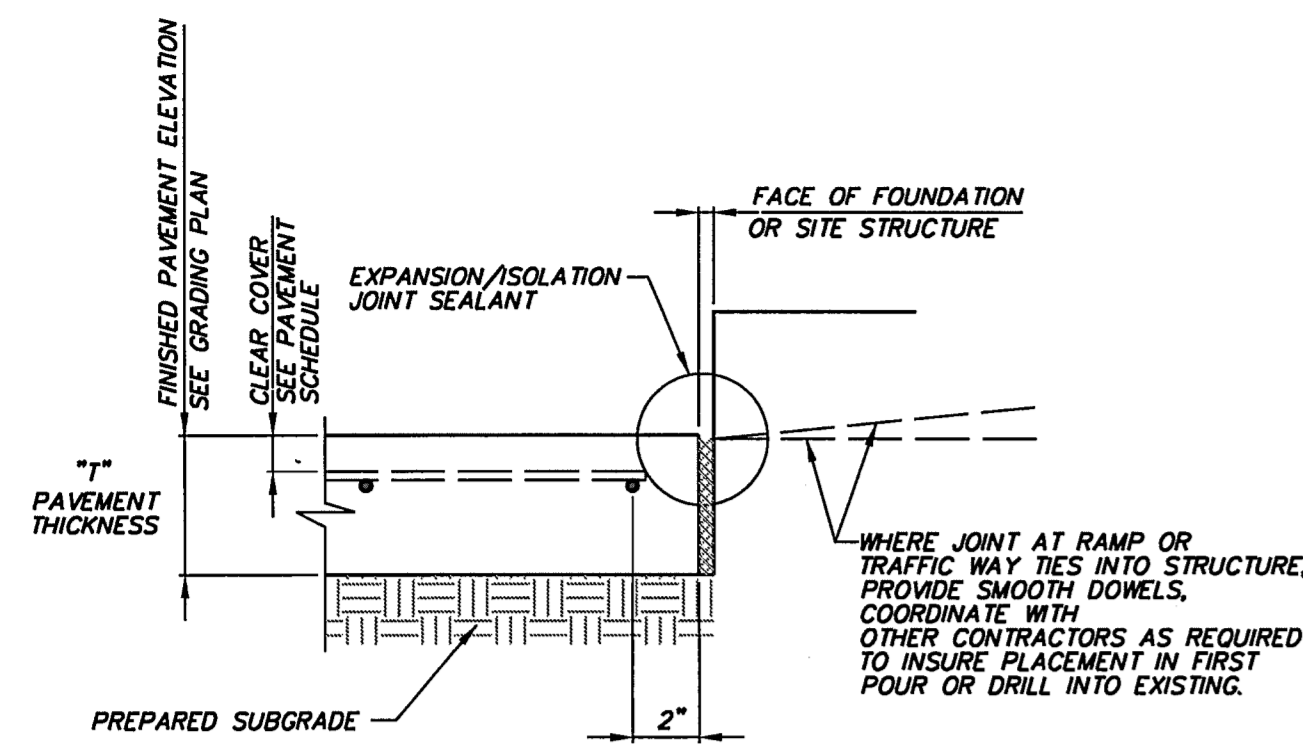
**PAVING PLAN**

Vitruvian Park  
 Monument Sign South  
 Vitruvian Way & Marsh Lane  
 Addison, Texas

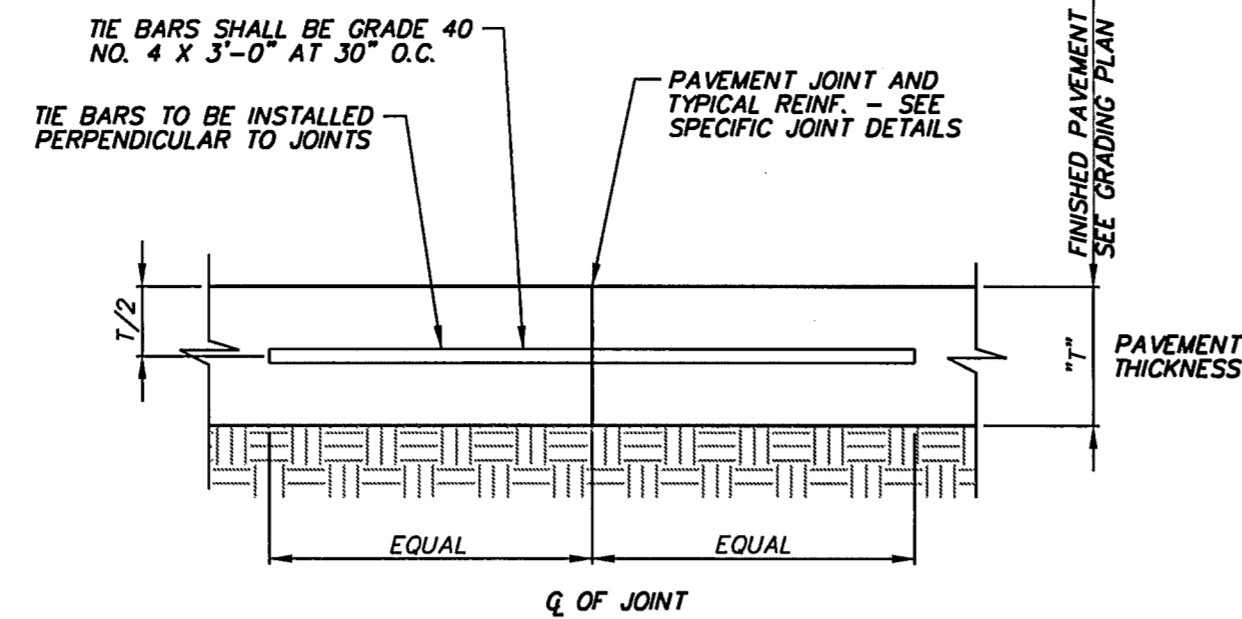


Date: 07/01/10  
 Scale: 1"=20'  
 Drawn By: ICE  
 Reviewed By: ICE  
 Project: 5019-07

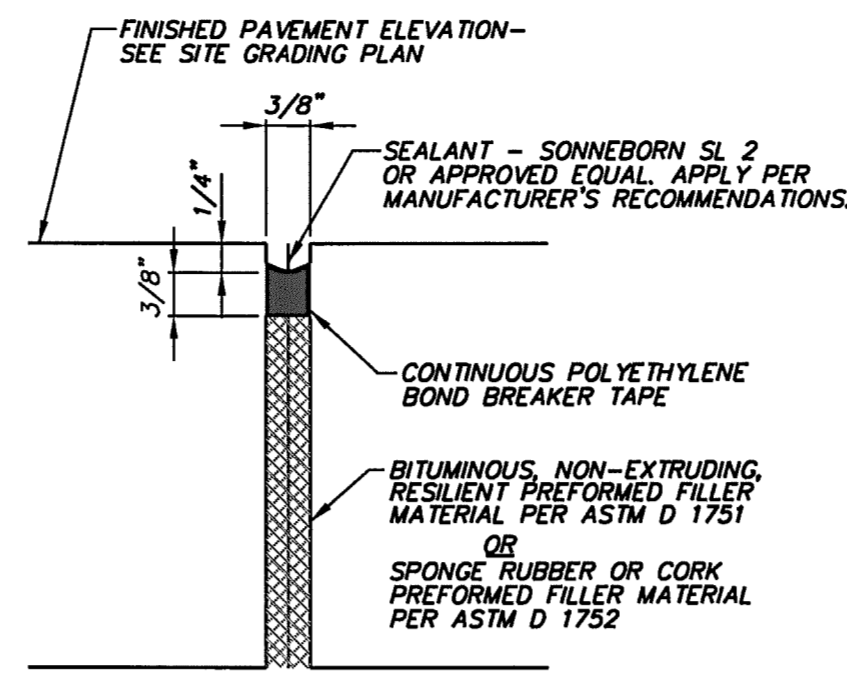
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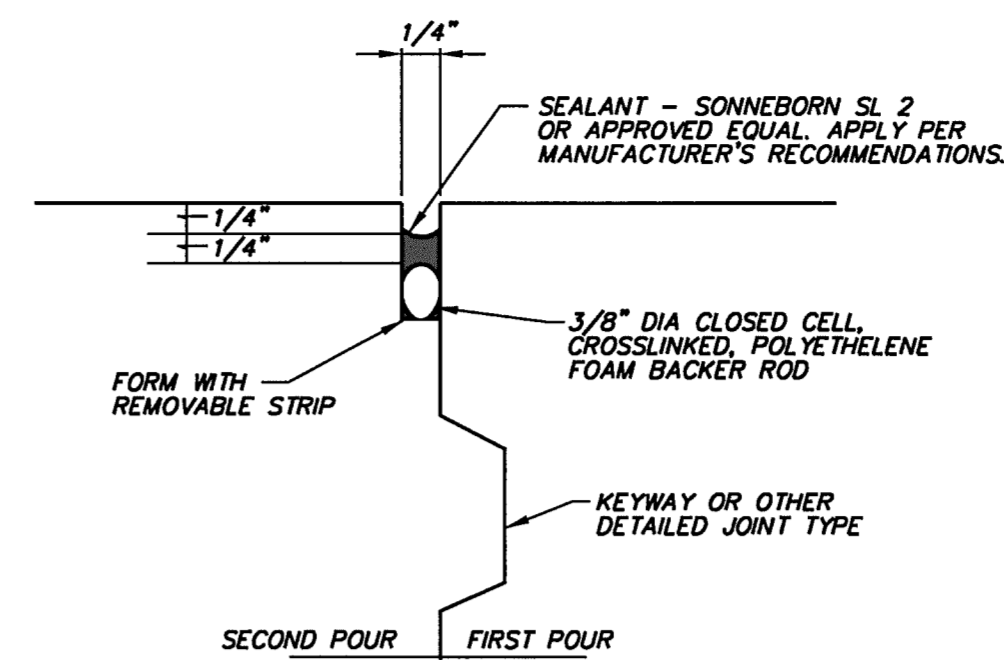
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NOT TO SCALE



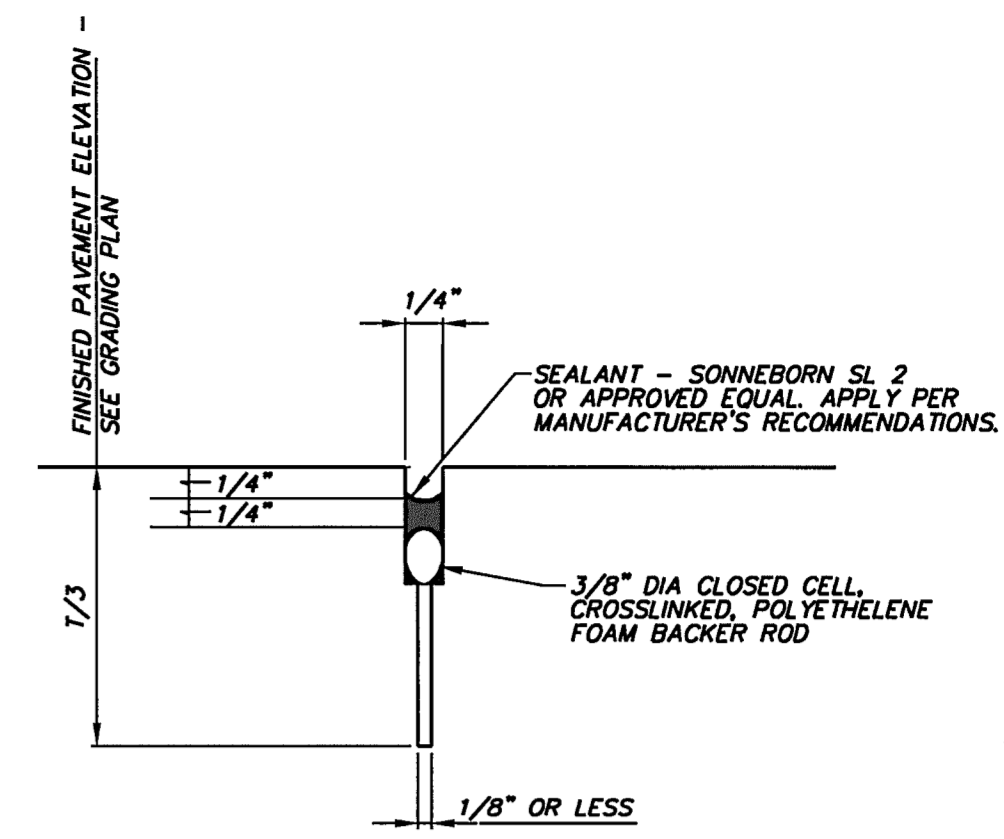
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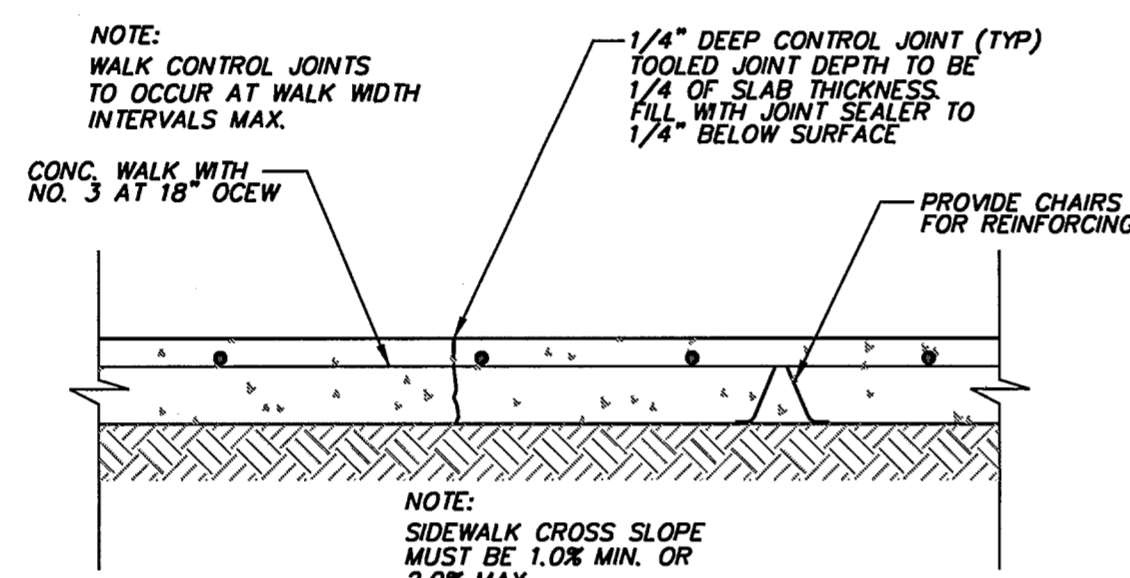
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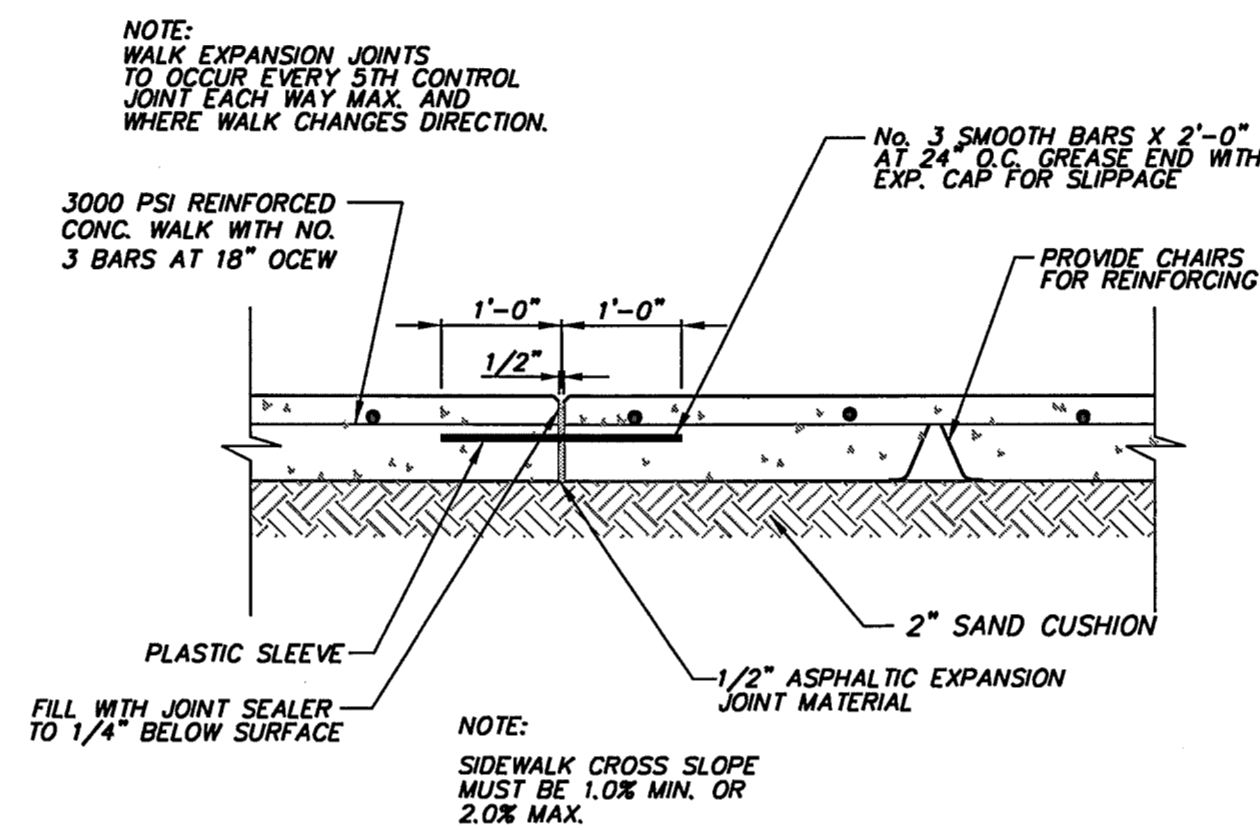
**CONSTRUCTION JOINT SEALANT**  
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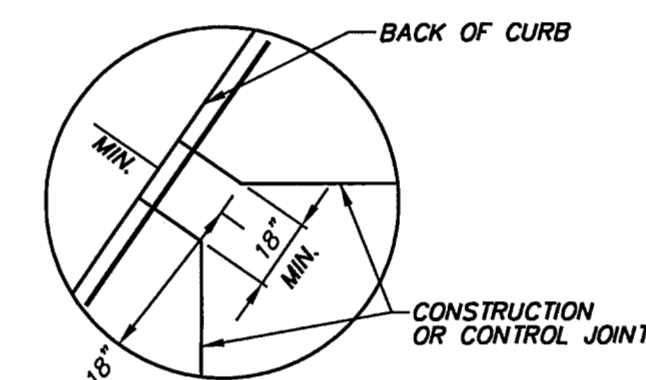
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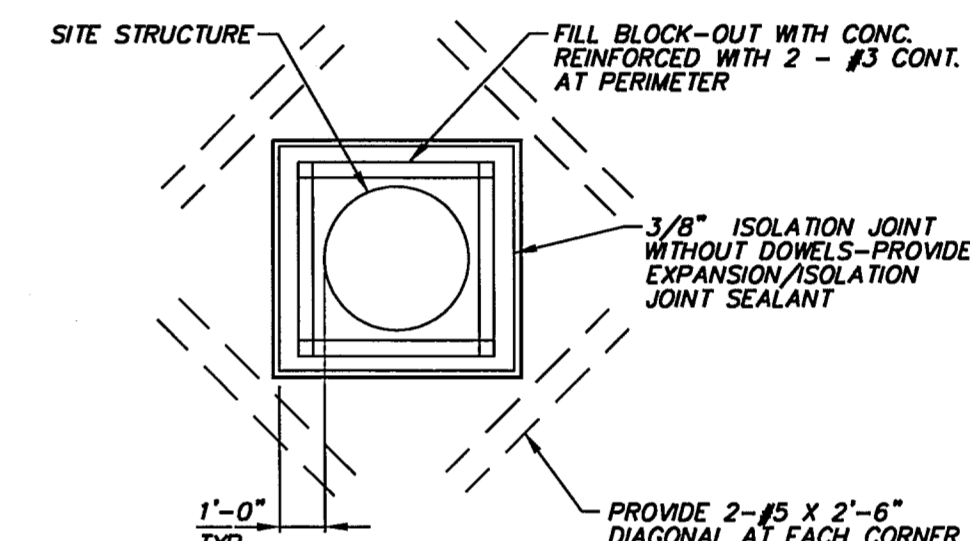
**SIDEWALK CONTROL JOINT**  
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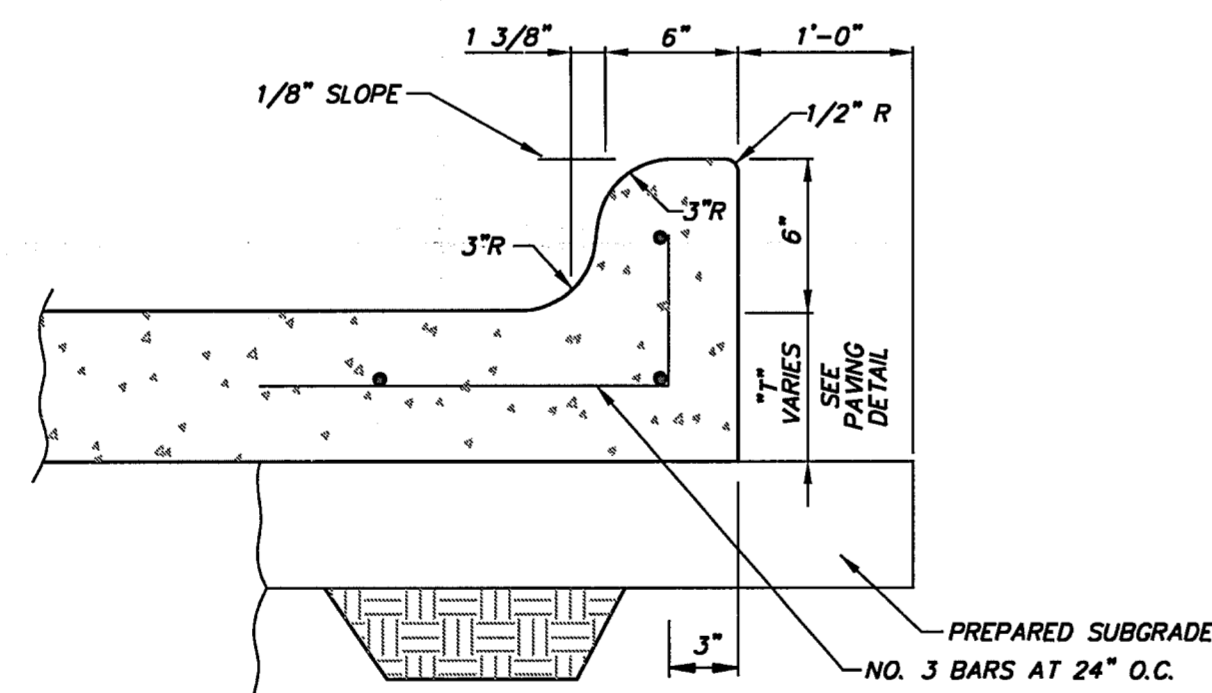
**SIDEWALK EXPANSION JOINT**  
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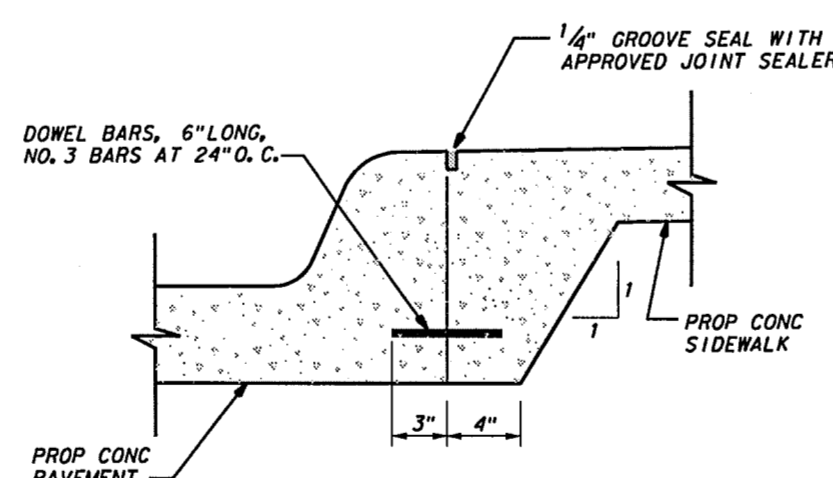
**TYPICAL AT ALL ANGLED JOINT TERMINATIONS**  
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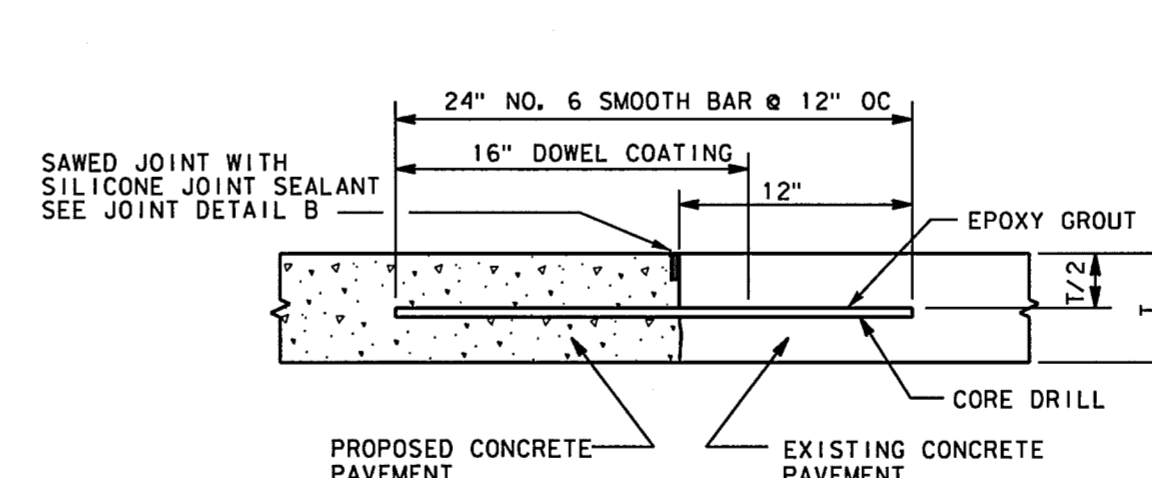
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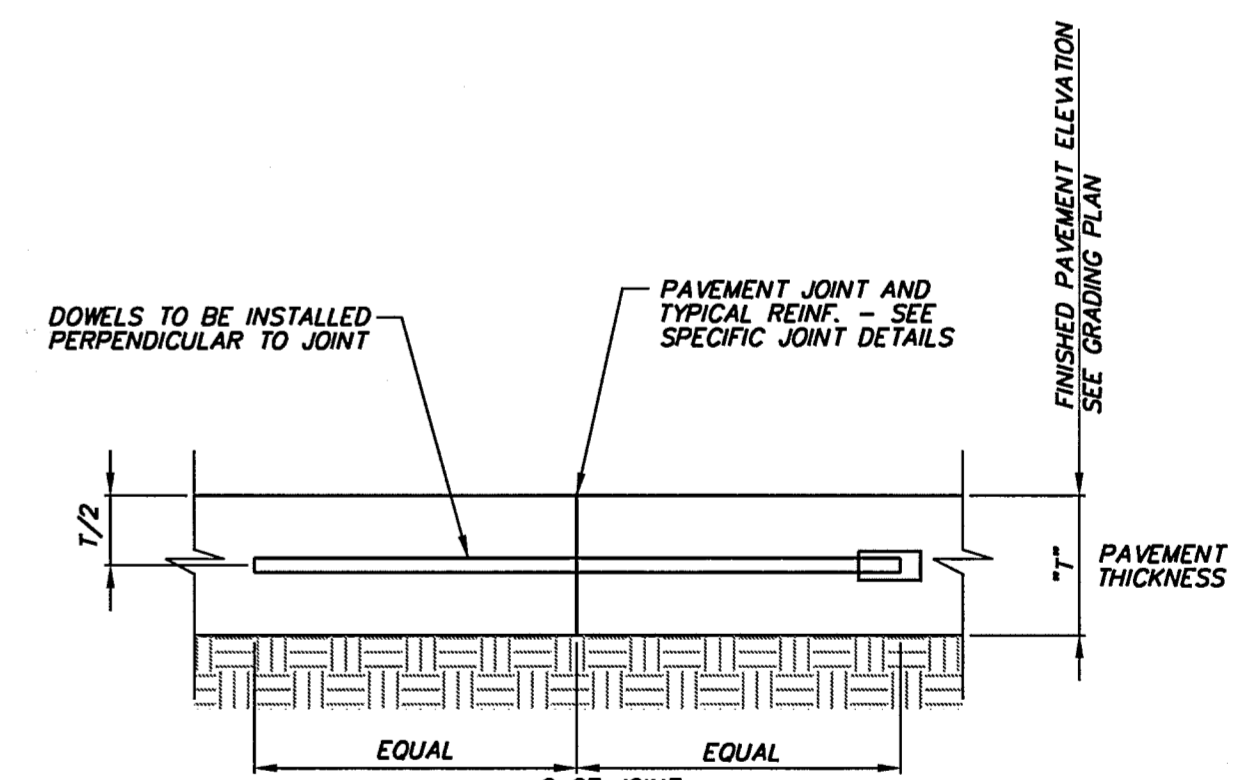
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**JOINT DETAIL FOR SIDEWALK ADJACENT TO CURB**  
NOT TO SCALE



**PROPOSED TO EXISTING CONCRETE PAVEMENT**  
NOT TO SCALE



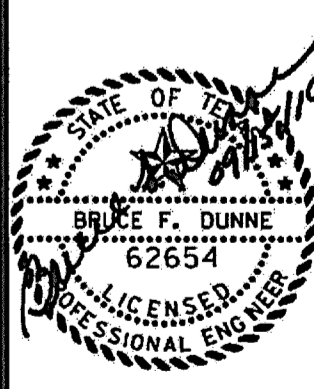
**SMOOTH DOWEL**  
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| BY       | ICE                      |
| REVISION |                          |
| 1        | ISSUED FOR CONSTRUCTION  |
| 2        | REVISED FOR CONSTRUCTION |

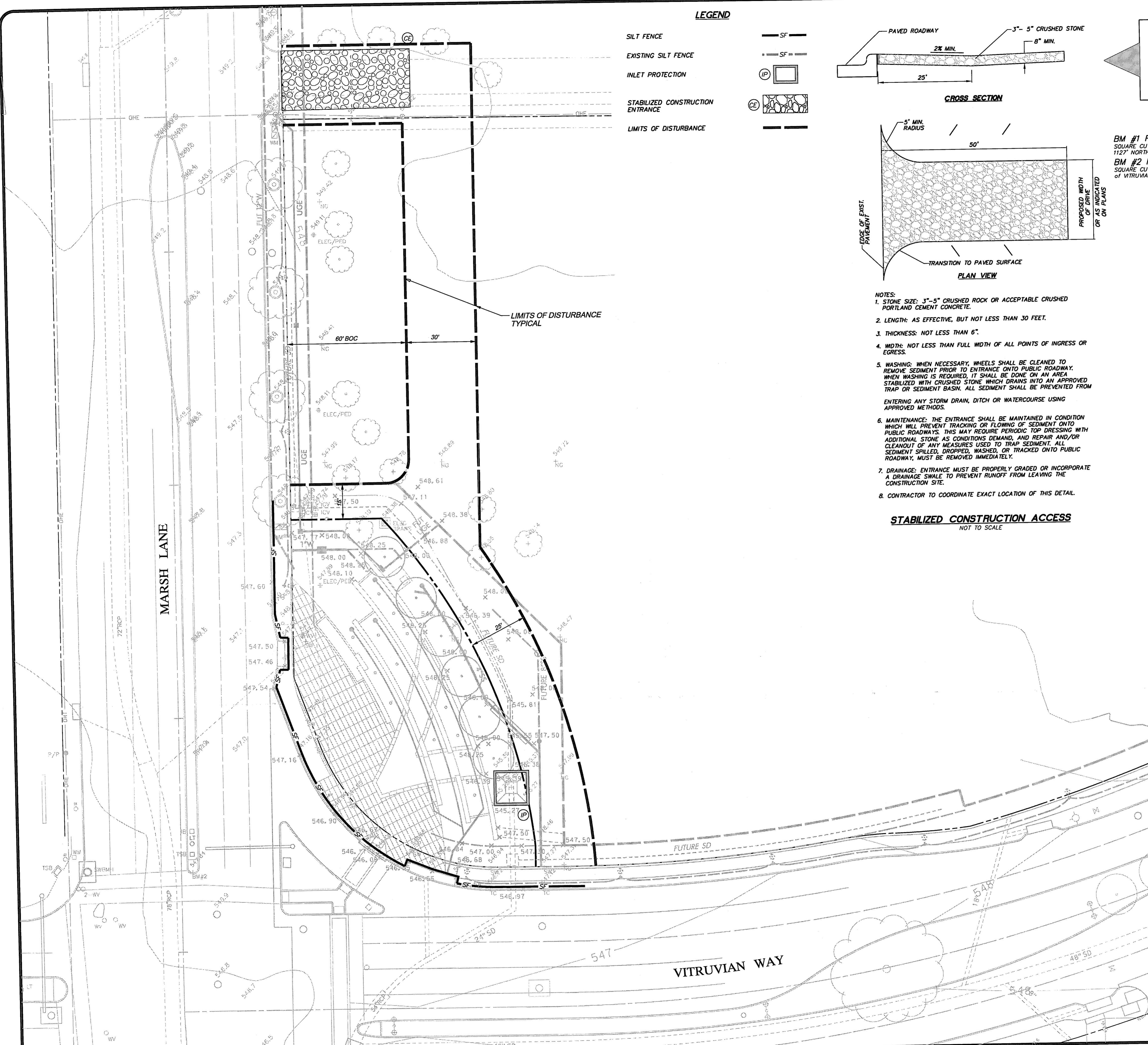
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**PAVING DETAILS**

Vitruvian Park  
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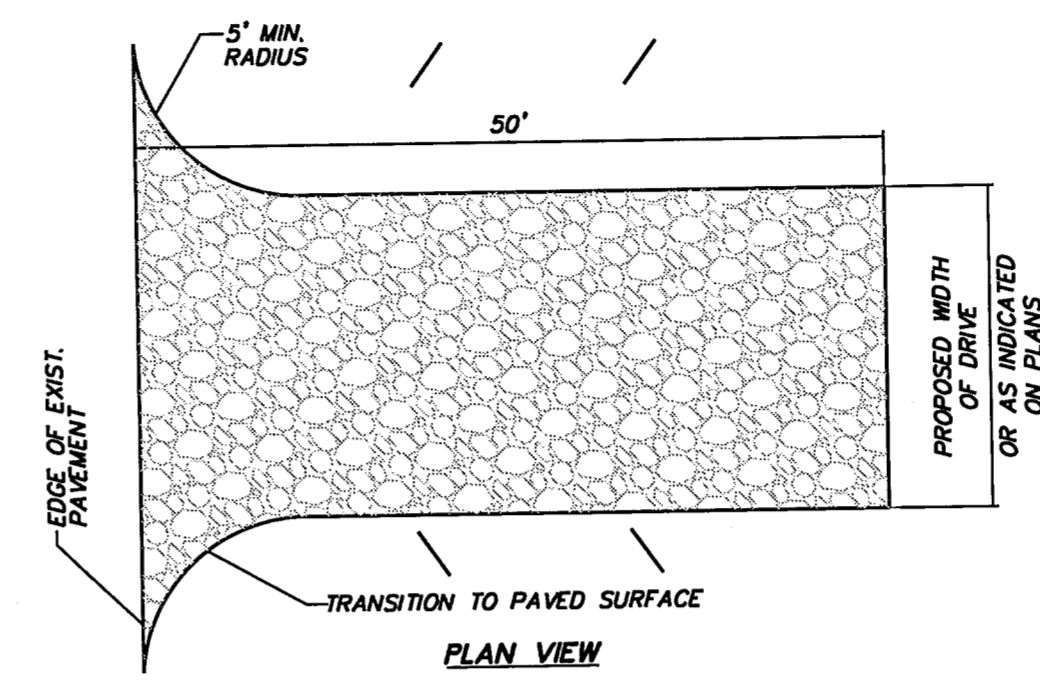
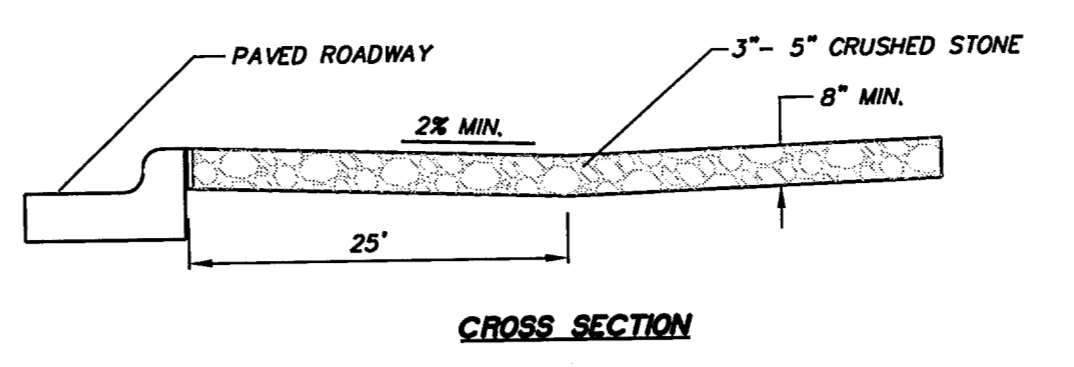


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Scale: 1"=20'  
Drawn By: ICE  
Reviewed By: ICE  
Project: 5019-07



**LEGEND**

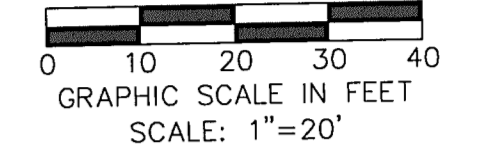
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- EXISTING SILT FENCE - - - SF - - -
- INLET PROTECTION [IP symbol]
- STABILIZED CONSTRUCTION ENTRANCE [CE symbol]
- LIMITS OF DISTURBANCE [--- symbol]



- NOTES:**
- STONE SIZE: 3"-5" CRUSHED ROCK OR ACCEPTABLE CRUSHED PORTLAND CEMENT CONCRETE.
  - LENGTH: AS EFFECTIVE, BUT NOT LESS THAN 30 FEET.
  - THICKNESS: NOT LESS THAN 6".
  - WIDTH: NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
  - WASHING: WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.
  - MAINTENANCE: THE ENTRANCE SHALL BE MAINTAINED IN CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC ROADWAY, MUST BE REMOVED IMMEDIATELY.
  - DRAINAGE: ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.
  - CONTRACTOR TO COORDINATE EXACT LOCATION OF THIS DETAIL.

**STABILIZED CONSTRUCTION ACCESS**  
NOT TO SCALE

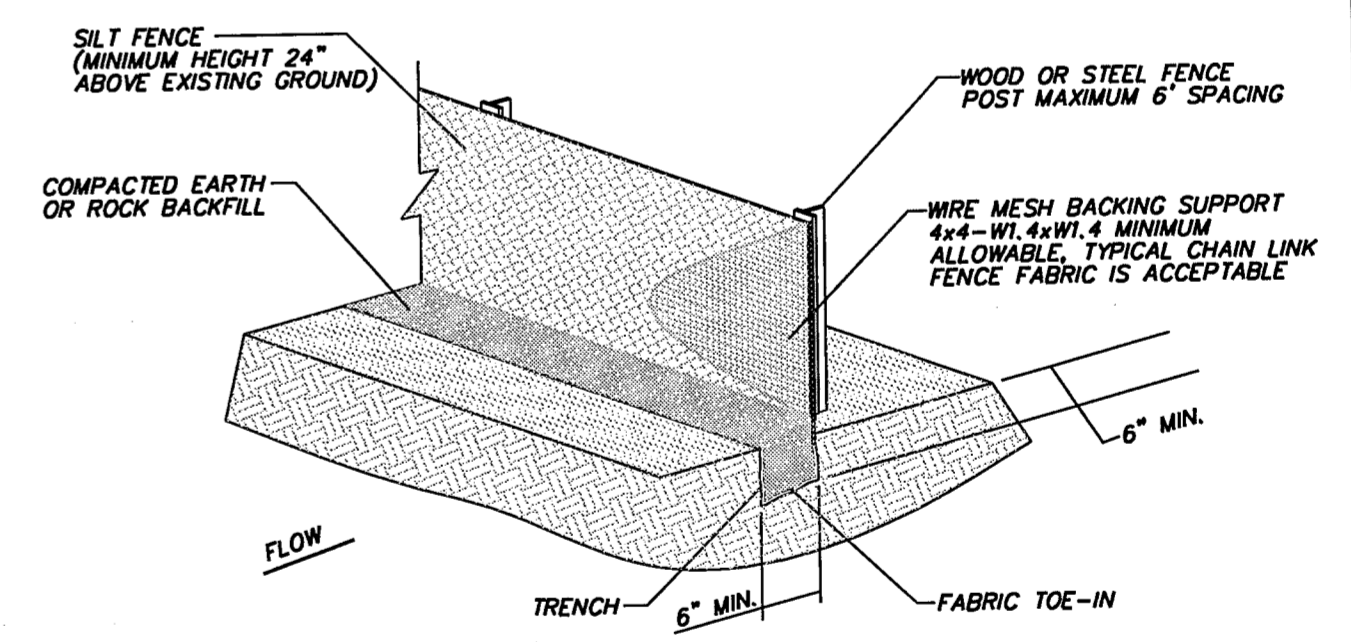
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BM #1 REF. ELEVATION = 559.47  
SQUARE CUT IN TOP OF CURB, SOUTH MEDIAN END NOSE, MARSH LANE  
1127' NORTH OF VITRUVIAN WAY.  
BM #2 REF. ELEVATION = 547.84  
SQUARE CUT IN TOP OF CURB, NORTH MEDIAN END NOSE, AT INTERSECTION  
OF VITRUVIAN WAY AND MARSH LANE.

**EROSION CONTROL NOTES**

- GENERAL CONSTRUCTION NOTES:** REFER TO SHEET C100 "GENERAL CONSTRUCTION NOTES, LEGEND AND ABBREVIATIONS" FOR THE GENERAL CONSTRUCTION NOTES FOR THE PROJECT.
- SWPPP COMPLIANCE:** THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH THE CONDITIONS OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) WHILE CONDUCTING HIS ACTIVITIES ON THIS PROJECT. IN ADDITION TO CONSTRUCTING THOSE ITEMS INDICATED ON THE PLAN SHEETS, COMPLIANCE WITH THE SWPPP INCLUDES CONFORMANCE TO CERTAIN PRACTICES AND PROCEDURES (IDENTIFIED IN THE SWPPP) DURING PROJECT CONSTRUCTION. THE SWPPP PLANS AND DOCUMENTS ARE PROVIDED FOR THE SOLE BENEFIT OF THE CONTRACTOR AS A PLANNING TOOL FOR COMPLYING WITH THE ENVIRONMENTAL REGULATIONS OF THIS PROJECT. THE CONTRACTOR IS EXPECTED TO PROVIDE, EXPAND, SUBMIT AND MONITOR A FULL COMPREHENSIVE SWPPP BEYOND WHAT IS HEREIN PROVIDED.
- BMP INSTALLATION:** PRIOR TO COMMENCING GRADING OPERATIONS, THE CONTRACTOR SHALL INSTALL ALL SWPPP MEASURES AND DEVICES AS INDICATED ON THE EROSION & SEDIMENT CONTROL PLAN. ALL SWPPP MEASURES AND DEVICES SHALL BE IN ACCORDANCE WITH SPECIFICATIONS AND DETAILS SHOWN IN THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS CONSTRUCTION "BEST MANAGEMENT PRACTICE" (BMP) MANUAL, OR AS MODIFIED BY THE CONTRACT DOCUMENTS.
- CLEANING, REPAIR AND MAINTENANCE:** THE CONTRACTOR SHALL REFER TO THE SWPPP FOR SEQUENCING OF CONSTRUCTION, INSTALLATION OF NEW EROSION CONTROL DEVICES AND CLEANING, REPAIR AND MAINTENANCE OF EXISTING EROSION CONTROL DEVICES. THE CONTRACTOR SHALL RELOCATE AND/OR ADD DEVICES TO REFLECT ACTUAL SITE CONDITIONS AND TO ACCOMMODATE LOCATIONS FOR CONSTRUCTION TRAILER AREAS, STORAGE AREAS, FUELING AREAS, TOILETS, TRASH RECEPTACLES AND WASHOUT AREAS. ANY ACCIDENTAL RELEASE OF SEDIMENT OR POLLUTANTS FROM THE SITE SHALL BE CLEANED BY THE CONTRACTOR.
- SITE ENTRY/EXIT LOCATIONS:** SITE ENTRY AND EXIT LOCATIONS SHALL BE MAINTAINED BY THE CONTRACTOR IN A MANNER THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAYS. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADWAYS MUST BE REMOVED IMMEDIATELY. WHEN WASHING OF VEHICLES IS REQUIRED TO REMOVE SEDIMENT PRIOR TO ENTRANCE TO A PUBLIC ROADWAY, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT BASIN. ALL FINES IMPOSED FOR TRACKING ONTO PUBLIC ROADS SHALL BE PAID BY THE CONTRACTOR.
- PROTECTION OF ADJACENT PROPERTY:** CONTRACTOR SHALL ASSUME FULL LIABILITY FOR DAMAGE TO ADJACENT PROPERTIES AND/OR PUBLIC RIGHT-OF-WAY RESULTING FROM FAILURE TO FULLY IMPLEMENT AND EXECUTE ALL EROSION CONTROL METHODS AND PROCEDURES SHOWN AND NOTED IN THE PLANS AND SWPPP.
- RE-VEGETATION:** AT THE COMPLETION OF PAVING AND FINAL GRADING OPERATIONS, ALL DISTURBED AREAS SHALL BE VEGETATED IN ACCORDANCE WITH THE LANDSCAPE ARCHITECT'S PLANS. IN AREAS NOT COVERED BY LANDSCAPE PLAN, THE CONTRACTOR SHALL PROVIDE HYDROMULCH SEEDING AND/OR SODDING FOR ALL DISTURBED AREAS (NOT DESIGNATED TO BE PAVED) IN ACCORDANCE WITH ALL GOVERNING AUTHORITIES' SPECIFICATIONS.
- BMP REMOVAL:** THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL SEDIMENT BARRIERS AND INLET PROTECTION AFTER VEGETATION HAS BEEN COMPLETED AND ALL AREAS OF THE SITE HAVE BEEN STABILIZED AND ACCEPTED BY THE GOVERNING AUTHORITIES AND THE DEVELOPER.



- NOTE:**
- WOOD OR STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. THE POSTS MUST BE EMBEDDED A MINIMUM OF ONE FEET FOR STEEL OR TWO FEET FOR WOOD.
  - THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (E.G. PAVEMENT), WEIGHT FABRIC FLAP WITH WASHED GRAVEL ON THE UPHILL SIDE TO PREVENT FLOW UNDER FENCE.
  - THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
  - SILT FENCE SHALL BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IS IN TURN ATTACHED TO THE STEEL SUPPORT POST. THERE SHALL BE A 6 INCH DOUBLE OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
  - INSPECTION SHALL BE MADE WEEKLY OR AFTER EACH RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
  - SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
  - ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHED A DEPTH OF 6 INCHES. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.
  - CONTRACTOR SHALL PROVIDE TRIANGULAR SEDIMENT FILTER DIKE WHERE SILT FENCE IS REQUIRED BUT NOT INSTALLABLE.

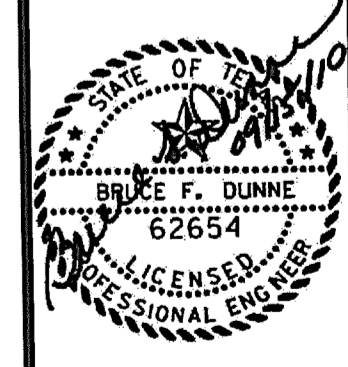
**SILT FENCE**  
NOT TO SCALE

| NO. | REVISION                 | DATE     | BY  |
|-----|--------------------------|----------|-----|
| 2   | REVISED FOR CONSTRUCTION | 08/15/10 | ICE |
| 1   | ISSUED FOR CONSTRUCTION  | 07/01/10 | ICE |

**icon** Consulting Engineers, Inc.  
Civil Engineers - Designers - Planners  
Bicentennial Financial Center  
250 W. Southlake Blvd., Suite 117  
Southlake, TX 76092  
Phone: (817) 766-3120  
Fax: (817) 562-3128

**EROSION & SEDIMENT CONTROL PLAN & DETAILS**

Vitruvian Park  
Monument Sign South  
Vitruvian Way & Marsh Lane  
Addison, Texas



Date: 07/01/10  
Scale: 1"=20'  
Drawn By: ICE  
Reviewed By: ICE  
Project: 5019-07

SHEET  
**C701**



**GENERAL NOTES: FABRICATION AND INSTALLATION**

- The Signage Contractor is the entity who is responsible for the completed signage products described by these documents including but not limited to Fabrication and Installation. The General Contractor is the entity responsible for the VITRUVIAN PARK MONUMENT SIGN Construction Project.
- The Signage Contractor is responsible for the structural engineering design of the signage and supporting structure to comply with the graphic design described by these documents. The Signage Contractor shall submit structural engineering shop drawings signed and sealed by Professional Engineers registered in Project State for the respective disciplines.
- The intent of the Contract Documents is to include all items necessary for the proper execution and completion of the Work by the Signage Contractor in accordance with the highest standards of trade practice. The Contract Documents are complementary, and what is required by one shall be as binding as if required by all.
- The Signage Contractor shall carefully study and compare the various Drawings and other Design Documents relative to that portion of the work, as well as the information furnished by the Owner (including existing and proposed conditions). The Signage Contractor shall take field measurements of any existing conditions related to that portion of the Work and shall observe any conditions at the site affecting it. Also, the Signage Contractor is responsible for reviewing these documents for compliance with all building and zoning regulations. These obligations are for the purpose of facilitating construction by the Signage Contractor and are not for the purpose of discovering errors, omissions or inconsistencies in the Contract Documents; however, any errors, omissions or inconsistencies discovered by the Signage Contractor shall be reported promptly to the Environmental Graphic Designer as a request for information in such form as the Environmental Graphic Designer may require. If the Signage Contractor fails to perform the review of the existing conditions and the coordination of the Construction Documents, the Signage Contractor shall pay such costs and damages to the Owner as would have been avoided if the Signage Contractor had performed these obligations.
- The Signage Contractor shall be responsible to the Owner for acts and omissions of the Signage Contractor's employees, subcontractors and their agents and employees, and other persons or entities performing portions of the Work for or on behalf of the Signage Contractor or any of its Subcontractors.
- The Signage Contractor may make substitutions only with the consent of the Owner, after evaluation by the Environmental Graphic Designer and in accordance with a Change Order.
- The Signage Contractor warrants to the Owner and Environmental Graphic Designer that materials and equipment furnished under the Contract will be of good quality and new unless otherwise required or permitted by the Contract Documents, that the Work will be free from defects not inherent in the quality required or permitted, and that the Work will conform to the requirements of the Contract Documents. Work not conforming to these requirements, including substitutions not properly approved and authorized, may be considered defective. The Signage Contractor's warranty excludes remedy for damage or defect caused by abuse, modifications not executed by the Signage Contractor, improper or insufficient maintenance, or normal wear and tear caused by normal usage. If Required by the Environmental Graphic Designer, the Signage Contractor shall furnish satisfactory evidence as to the kind and quality of materials and equipment. In addition, the Signage Contractor shall warrant to the Owner to replace or repair any portion of the Work that fails to conform with the requirements of the Construction Documents within a one (1) year period from date of final acceptance of the Work.
- Unless otherwise provided in the Contract Documents, the Signage Contractor shall secure and pay for the signage permit and other permits and governmental fees, licenses and inspections necessary for proper execution and completion of the Work which are customarily secured after execution of the Contract and which are legally required when bids are received or negotiations concluded. The Signage Contractor shall comply with and give notices required by laws, ordinances, rules, regulations and lawful orders of public authorities applicable to performance of the work.
- The Signage Contractor shall comply with and give notices required by laws, ordinances, rules, regulations and lawful orders of public authorities applicable to performance of the Work.
- The Signage Contractor shall employ a competent superintendent and necessary assistants who shall be in attendance at the Project site during performance of the Work. The superintendent shall represent the Signage Contractor, and communications given to the superintendent shall be as binding as if given to the Signage Contractor. Important communications shall be confirmed in writing. Other communications shall be similarly confirmed on written request in each case.
- The Signage Contractor, promptly after being awarded the Contract, shall prepare and submit for the Owner's and Environmental Graphic Designer's information a construction schedule of the Work. The schedule shall not exceed time limits current under the Contract Documents, shall be revised at appropriate intervals as required by the conditions of the Work and the Project, shall be related to the entire Project to the extent required by the Contract Documents, and shall provide for expeditious and practical execution of the Work. The Signage Contractor shall prepare and keep current, of the Environmental Graphic Designer's approval, a schedule of submittals which is coordinated with the Signage Contractor's construction schedule and allows the Environmental Graphic Designer reasonable time to review submittals. The Signage Contractor shall perform the Work in general accordance with the most recent schedules submitted to the Owner and Environmental Graphic Designer.
- The Signage Contractor shall perform no portion of the Work unless Shop Drawings, Product Data, Samples, Mock-Ups (where indicated) or similar submittals have been reviewed by the Environmental Graphic Designer and accepted for inclusion in the Work. Graphic artwork shall be provided by the Environmental Graphic Designer to the Signage Contractor via computer disk, email or FTP site to facilitate the production of the Shop Drawing submittals. The Signage Contractor shall notify the Environmental Graphic Designer of any discrepancies in the submittal documents immediately and shall not proceed or allow any work in those areas until discrepancies are resolved.
- The Work shall be in accordance with approved submittals except that the Signage Contractor shall not be relieved of responsibility for deviations from requirements of the Contract Documents by the Environmental Graphic Designer's approval of Shop Drawings, Product Data, Samples, Mock-Ups or similar submittals unless the Contractor has specifically informed the Environmental Graphic Designer in writing of such deviation at the time of submittal and (1) the Environmental Graphic Designer has

given written approval to the specific deviation as a minor change in the Work, or (2) a Change Order of Construction Change Directive has been issued authorizing the deviation. The Signage Contractor shall not be relieved of responsibility for errors or omissions in Shop Drawings, Product Data, Samples, Mock-Ups or similar submittals by the Environmental Graphic Designer's acceptance thereof.

- The Signage Contractor shall be responsible for cutting, fitting or patching required to complete the Work or to make its parts fit together properly. The Signage Contractor shall not damage or endanger a portion of the Work or fully or partially completed construction of the Owner or separate contractors by cutting, patching or otherwise altering such construction, or by excavation. The Signage Contractor shall not cut or otherwise alter such construction by the Owner or a separate contractor except with written consent of the Owner and of such separate contractor; such consent shall not be unreasonably withheld. The Signage Contractor shall not unreasonably withhold from the Owner or a separate contractor the Contractor's consent to cutting or otherwise altering the Work.
- The Signage Contractor shall keep the premises and surrounding area free from accumulation of waste materials or rubbish caused by operations under the Contract. At completion of the Work, the Signage Contractor shall remove from and about the Project waste materials, rubbish, the Signage Contractor's tools, construction equipment, machinery and surplus materials. If the Signage Contractor fails to clean up as specified above, the Owner may do so and the cost thereof shall be charged to the Signage Contractor.

**DRAWINGS**

- Do not scale the drawings. All sign copy and graphics shall be considered to be representative and are subject to change. Refer to final message schedule for final copy on all signs. Refer to location plans for final locations of all signs.
- All dimensions are to the exterior face of the finished material unless otherwise noted. All elevations are noted from finish grade elevations.
- All graphics and colors provided must conform to scale, specifications and FMS numbers where provided.

**MATERIALS AND FABRICATION**

- All materials shall be of new stock, free from defects impairing strength, durability, or appearance.
- All aluminum fabrication shall be per the Contract Documents and all joints shall be welded, filled, ground, and sanded smooth prior to painting to ensure a uniform surface.
- When dissimilar metals are in contact, the contacting surfaces shall be coated with asphaltic paint to prevent oxidation and electrolysis. Aluminum and steel are not to come in contact with each other.
- Sign faces must be left clean and free of glue or other foreign material. Edges are to be routed smooth and straight.
- All corners shall be 90° with crisp, clean edges unless otherwise specified.
- All interior finish and trim materials are to meet Class III flame spread ratings of 76 to 200, or per applicable code.

**PAINTING AND FINISHING**

- All aluminum materials shall be thoroughly sanded to remove oxidation and primed prior to painting and anodizing process. In the case of painting the aluminum, this is done to ensure maximum paint adhesion.
- Primer coats or other surface pretreatment, where recommended by the manufacturer for paints, shall be included as part of the finished surface work at no extra cost to the owner.
- All paints shall be evenly applied without pinholes, scratches, orange-peeling, application marks and other imperfections. Workmanship, finishes and formation of letters shall conform to the highest standards of the trade.
- All baselines shall be horizontal on the sign face. Margins must be maintained as specified in the drawings.
- Anchoring devices are to be adequate types of non-corrosive materials for securing signs to in-place structures.

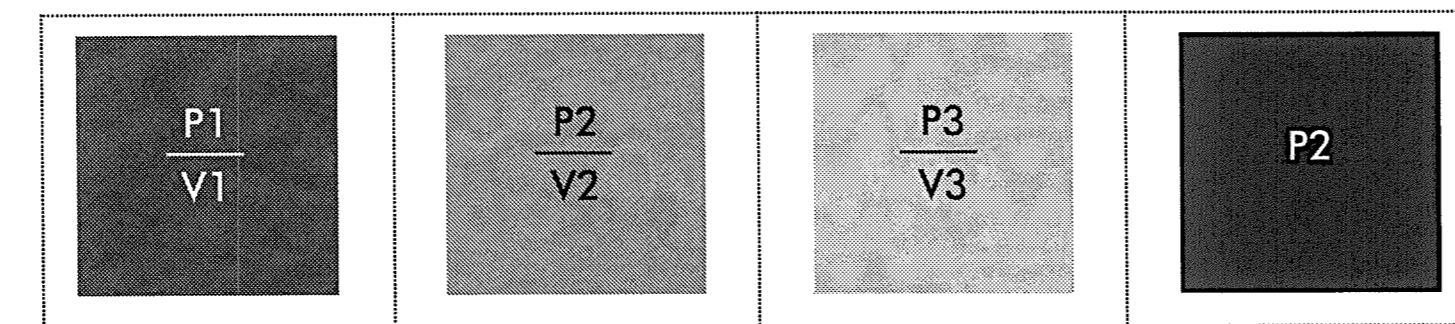
**INSTALLATION**

- Signage Contractor to supply General Contractor with mounting/structural requirements for all exterior signage. All connections from sign to structure to be paid for by Signage Contractor and designed by a licensed structural engineer.
- All installations are to be level and plumb or will be deemed unacceptable.
- Immediately after fabrication, Signage Contractor shall touch-up paint all field welds, bolted connections and abraded areas of shop paint. If mended areas cannot be adequately touched up on site, the sign(s) will be returned to the shop for controlled refinishing.
- The Signage Contractor shall provide all engineering required for exterior signage guaranteed for local conditions and codes.

**QUALIFIERS**

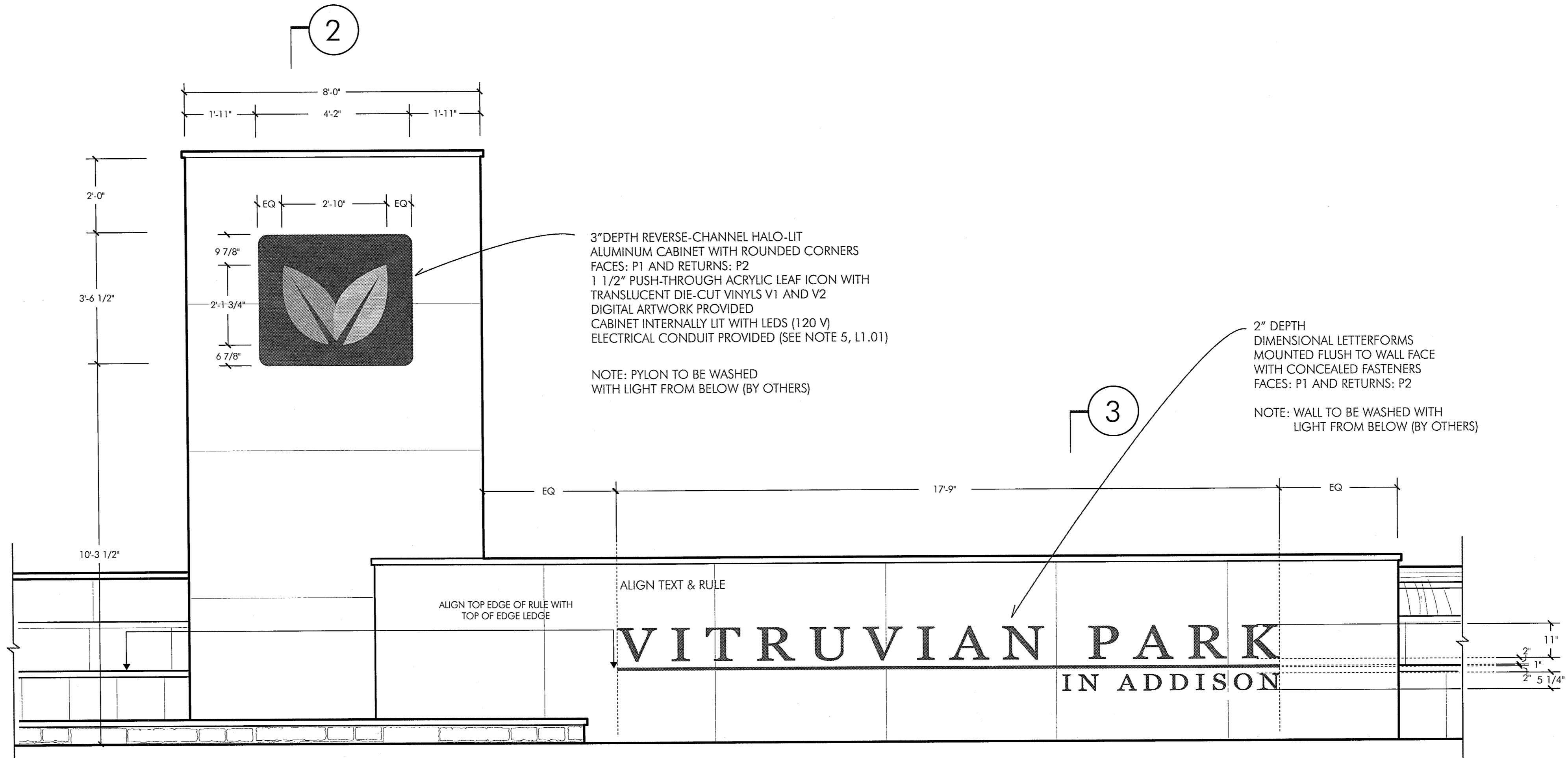
- All design arrangements or plans indicated or represented by these drawings are instruments of service of LRK, and remain the sole property of LRK.
- No ideas, designs, arrangements, or plans shall be disclosed to any other person, firm, or corporation for any purpose whatsoever without the express written consent of LRK.
- All Artwork and Drawings are not to be reproduced or circulated for use outside the scope of this contract without written consent of LRK.

**COLOR PALETTE**

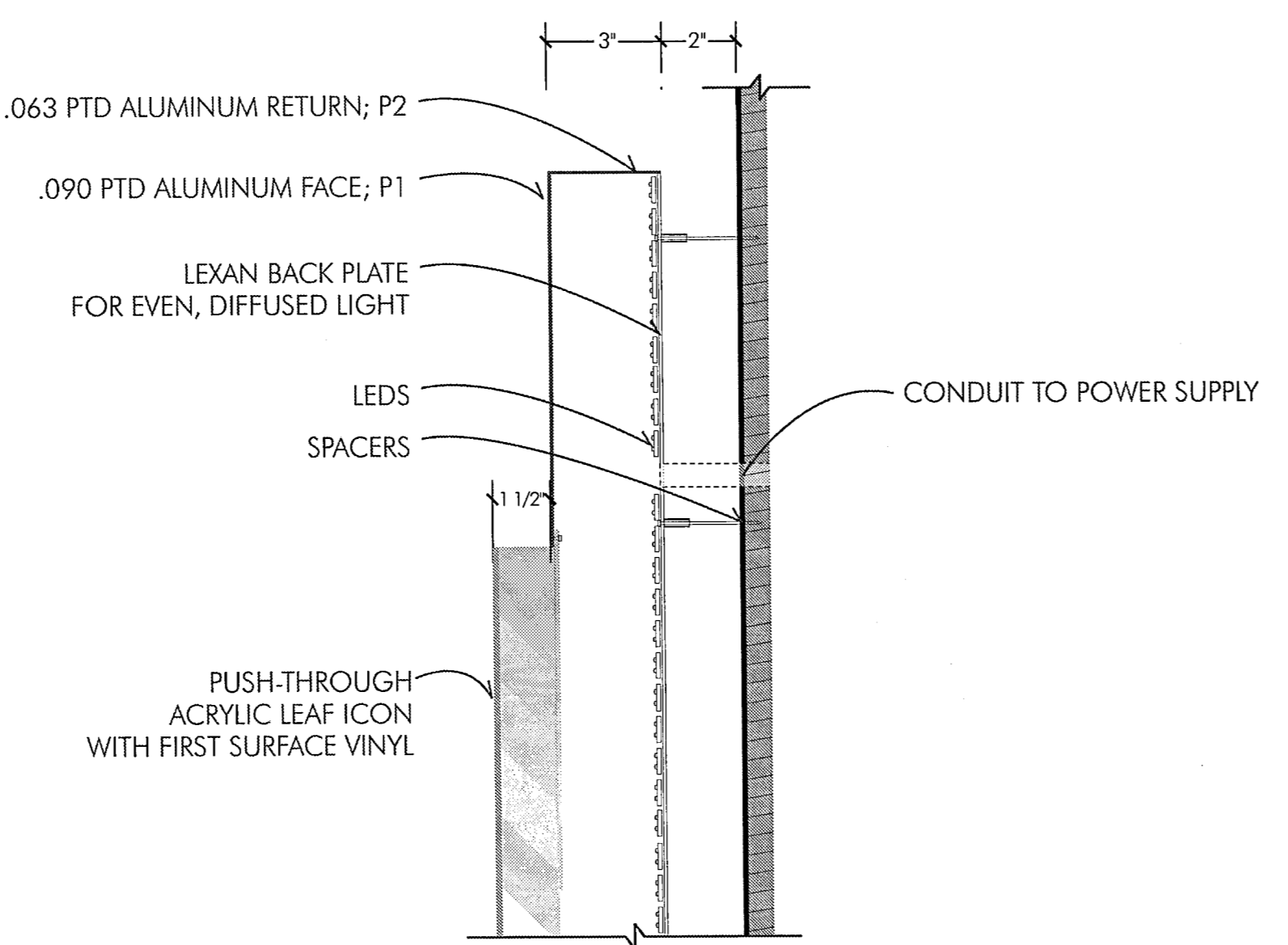


| PAINT <sup>1</sup> |  |       | VINYL <sup>1,2</sup> |                                   |
|--------------------|--|-------|----------------------|-----------------------------------|
| P1                 | Mathews Paint 00613 (To Match PMS 4625)    | Satin | V1                   | Printed to match PMS 7495 (Green) |
| P2                 | Mathews Paint 01077 (To Match PMS Black 5) | Satin | V2                   | Printed to Match PMS 5503 (Blue)  |

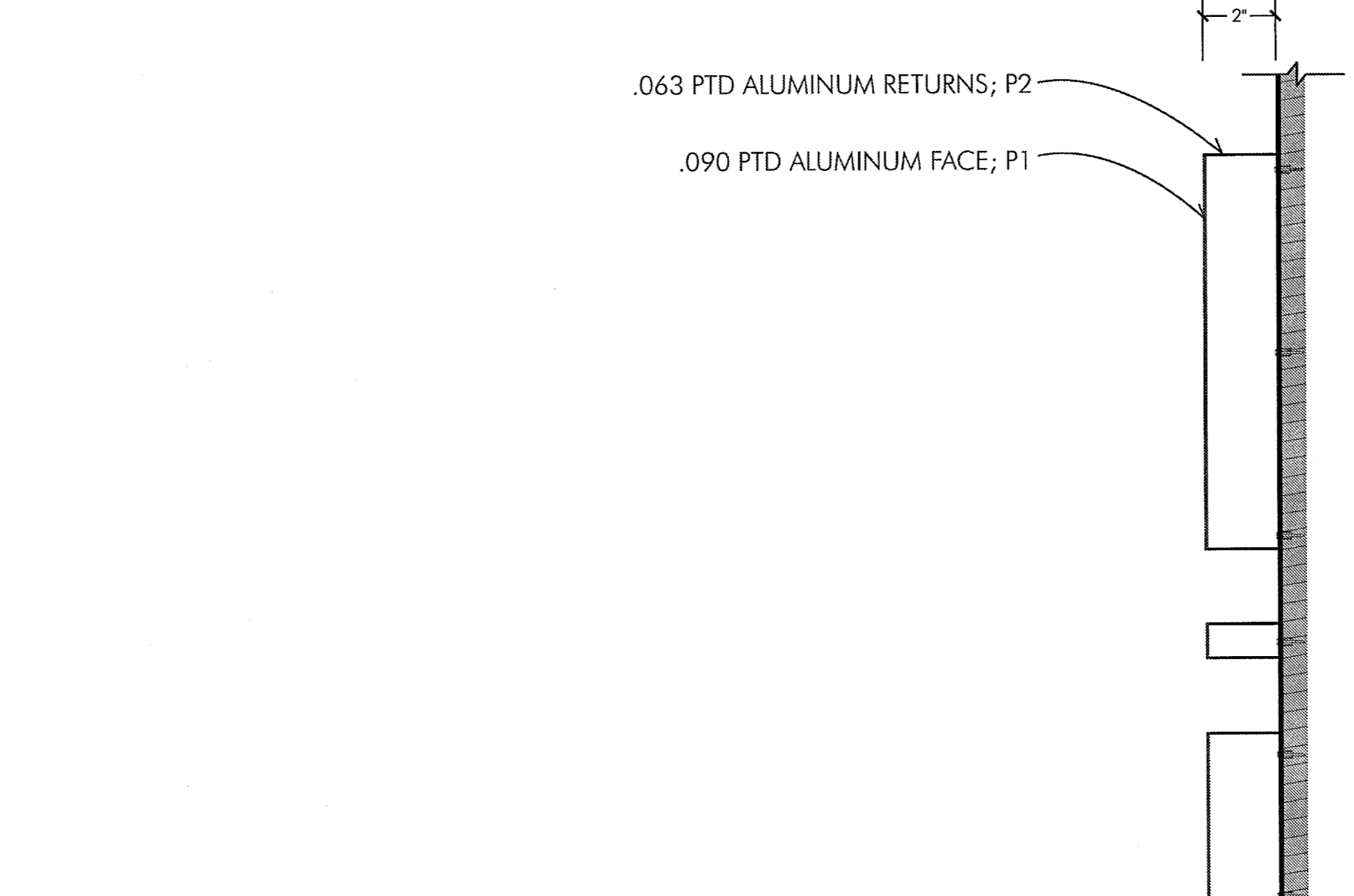
<sup>1</sup> Samples required for paint and vinyl specifications.  
<sup>2</sup> 10 yr+ durability required for printed vinyls.



**1 MONUMENT SIGN GRAPHICS: CONTEXT**  
 Scale: 1/2" = 1'-0"

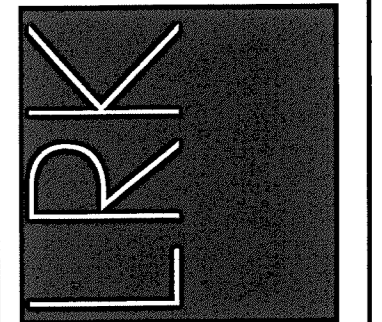


**2 ICON DETAIL SECTION**  
 Scale: 3" = 1'-0"



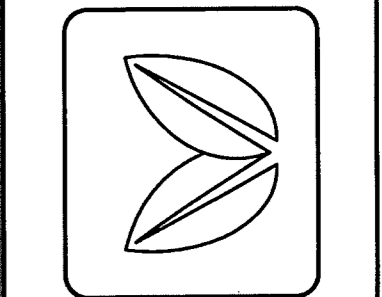
**3 TEXT DETAIL SECTION**  
 Scale: 3" = 1'-0"

Looney Ricks Kiss  
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 Memphis, TN 38103  
 901.521.1440  
 www.lrk.com



**UDR**  
 5430 LBJ FREEWAY, SUITE 1250  
 DALLAS, TX 75240  
 972.763.3510 PH/ 972.866.0163 F

**VITRUVIAN PARK  
 CORNER SIGNAGE**  
 ADDISON, TEXAS



**REVISIONS**

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**ISSUE** ISSUE FOR CONSTRUCTION

|            |             |
|------------|-------------|
| DATE       | 08.15.10    |
| JOB NUMBER | 01.09013.00 |
| DRAWN BY   | LR          |

**SHEET TITLE**  
 MONUMENT  
 SIGN GRAPHICS

**SHEET NUMBER**  
 EG.100

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