

C:\Users\jwilson\Documents\Drawings\2014\Series 34\34-009\34-009 F.P. C-0.0.dwg, Layout 1, 09/22/14 3:18:37PM, User

**BENCHMARK:**

DESIGNATION 206 ELEV. 99.34'  
BRASS CAP ON TOP OF CURB LOCATED WITHIN  
HL&P EASEMENT APPROXIMATELY 1900' SOUTH  
FROM THE INTERSECTION OF FRY ROAD AND  
WESTHEIMER PKWY.

X=3036159.89 Y=705664.56  
NGVD 1929 DATUM (1978 ADJ)

**BENCHMARK:**

DESIGNATION 208 ELEV. 100.01'  
BRASS CAP ON TOP OF NORTHWEST CORNER  
OF INLET LOCATED WEST OF THE HL&P  
EASEMENT APPROXIMATELY 1400' WEST FROM  
THE INTERSECTION OF FRY ROAD AND  
WESTHEIMER PKWY.

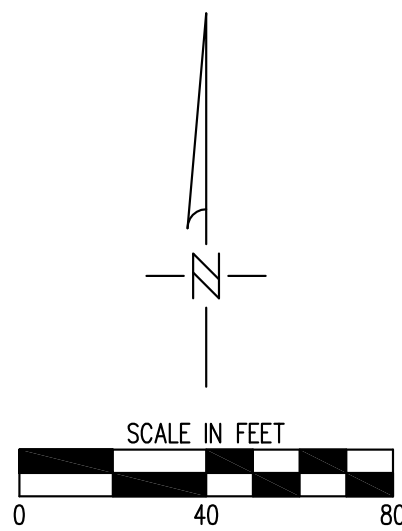
X=3035492.77 Y=707446.80  
NGVD 1929 DATUM (1978 ADJ)

BY GRAPHIC PLOTTING ONLY, THIS PROPERTY LIES WITHIN  
ZONE "AE" OF THE FLOOD INSURANCE RATE MAP, FIRM  
MAP No. 48157C0130L, WHICH BEARS AN EFFECTIVE DATE  
OF APRIL 2, 2014, AND DOES LIE WITHIN A SPECIAL  
FLOOD HAZARD AREA. NO FIELD SURVEYING WAS  
PERFORMED TO DETERMINE THIS ZONE AND AN ELEVATION  
CERTIFICATE MAY BE NEEDED TO VERIFY THIS  
DETERMINATION OR APPLY FOR A VARIANCE FROM THE  
FEDERAL EMERGENCY MANAGEMENT AGENCY.

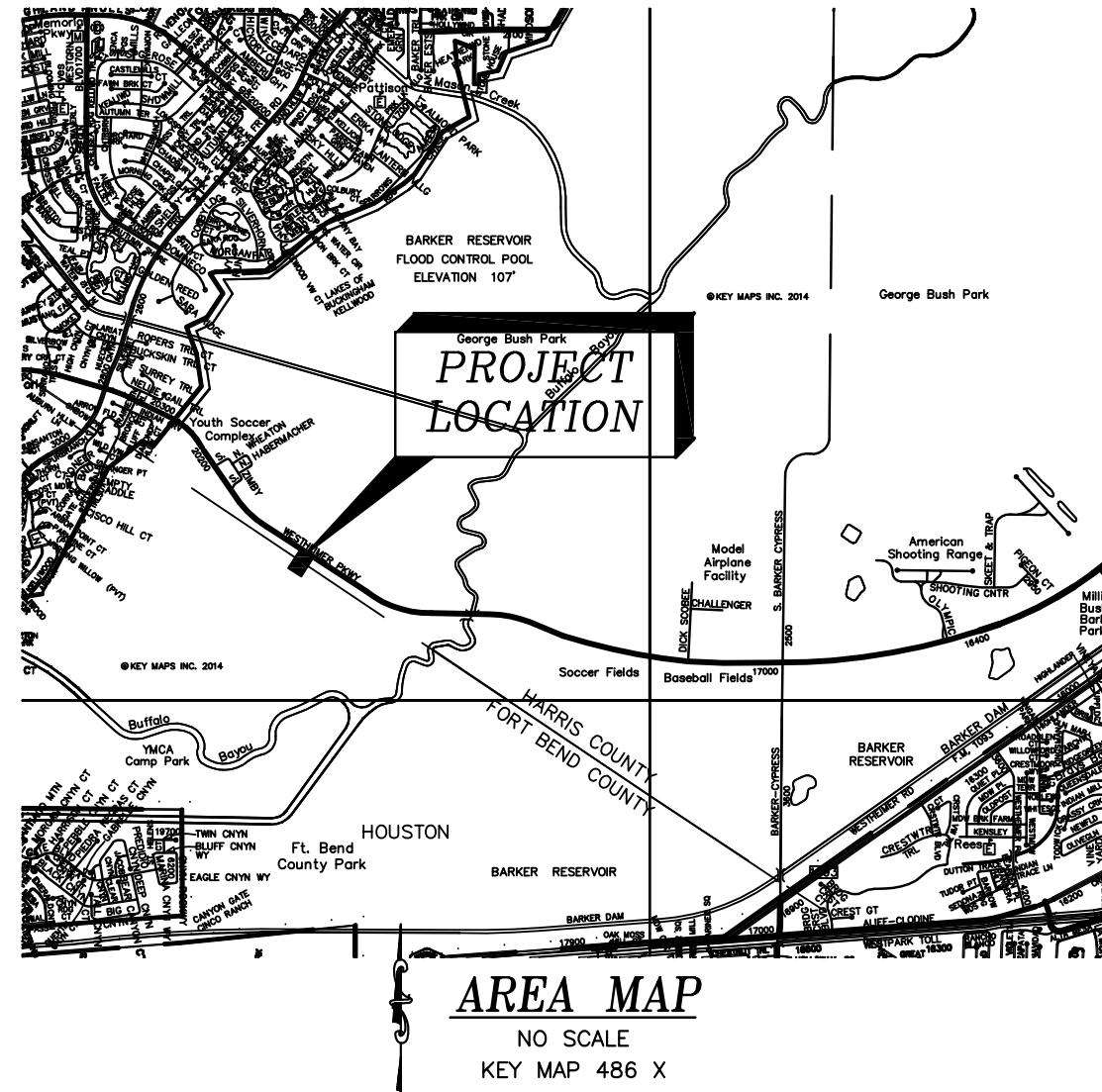
NOTE:  
THIS IS NOT A BOUNDARY SURVEY.

NOTE:  
THIS SURVEY IS BEING CREATED  
SOLELY FOR THE PARTIES HEREIN  
STATED. NO LICENSE HAS BEEN  
CREATED, EXPRESS OR IMPLIED, TO  
COPY THE SURVEY EXCEPT AS IS  
NECESSARY IN CONJUNCTION WITH  
THIS TRANSACTION.

THIS SURVEY WAS PERFORMED WITHOUT THE  
BENEFIT OF A CURRENT TITLE COMMITMENT.  
ALL ENCUMBRANCES MAY NOT BE SHOWN.



NOTE:  
THE TYPE, SIZE LOCATION AND OWNERSHIP OF EXISTING  
UTILITIES HAS BEEN OBTAINED FROM RECORDED DRAWINGS  
FURNISHED BY THE OWNERS. INFORMATION DERIVED FROM  
THESE SOURCES IS BELIEVED TO BE THE MOST RELIABLE  
AND IS PROVIDED FOR THE CONTRACTOR'S INFORMATION  
ONLY. THE CONTRACTOR SHOULD EXERCISE CAUTION  
WHEN EXCAVATING IN THE VICINITY OF UNDERGROUND  
UTILITIES AND NOTIFY THE OWNERS OF THE RESPECTIVE  
UTILITIES SO THAT THE OWNER'S REPRESENTATIVE MAY BE  
PRESENT TO VERIFY LOCATIONS. NO WARRANTY IS MADE  
AS TO THE ACCURACY OR COMPLETENESS OF UTILITY  
LOCATIONS SHOWN ON THE DRAWINGS.



Coordinate System from AECOM, "Cinco Regional Park",  
Horizontal Control Layout, Sheet C2 of 8, dated January  
2011

Coordinate Point (See Schedule)

**WARNING**  
OVERHEAD LINES MAY EXIST ON THE PROPERTY. WE HAVE NOT  
ATTEMPTED TO MARK THOSE LINES SINCE THEY ARE CLEARLY  
VISIBLE, BUT YOU SHOULD LOCATE THEM PRIOR TO BEGINNING  
ANY CONSTRUCTION. TEXAS LAW, SECTION 752, HEALTH &  
SAFETY CODE, FORBIDS ALL ACTIVITIES IN WHICH PERSONS OR  
THINGS MAY COME WITHIN SIX (6) FEET OF LIVE OVERHEAD  
HIGH VOLTAGE LINES. PARTIES RESPONSIBLE FOR THE WORK,  
INCLUDING CONTRACTORS, ARE LEGALLY RESPONSIBLE FOR  
SAFETY OF CONSTRUCTION WORKERS UNDER THIS LAW. THIS  
LAW CARRIES BOTH CRIMINAL AND CIVIL LIABILITY. TO ARRANGE  
FOR LINES TO BE TURNED OFF OR MOVED, CALL RELIANT ENERGY  
AT (713) 207-7777.

NO.	DATE	REVISIONS
4		
3		
2		
1		

**FREEDOM PARK**

George W. Bush Park  
Harris County, Texas

**FREEDOM PARK  
EXIST TOPO SURVEY**

**Vano T. Wilson, P.E., Inc.**  
Consulting Engineer

CIVIL STRUCTURAL

P. O. Box 95, Bellaire, Texas 77402  
(713) 772-8008 [vano@vawilson.com](mailto:vano@vawilson.com)  
Firm Registration No. P-3776

This drawing is hereby released to Committee  
Members for the purpose of review and acceptance.  
This drawing is NOT FOR CONSTRUCTION OR PERMITS  
until Engineer's Seal is affixed and Signed.

**SHEET NO.**  
**C-0.0**

SCALE: 1" = 40'-0"  
DATE: 9/01/2014  
JOB NO: 34-009  
DRAWN BY:  
APP. BY: VTW  
DWG. NO. 34009-01

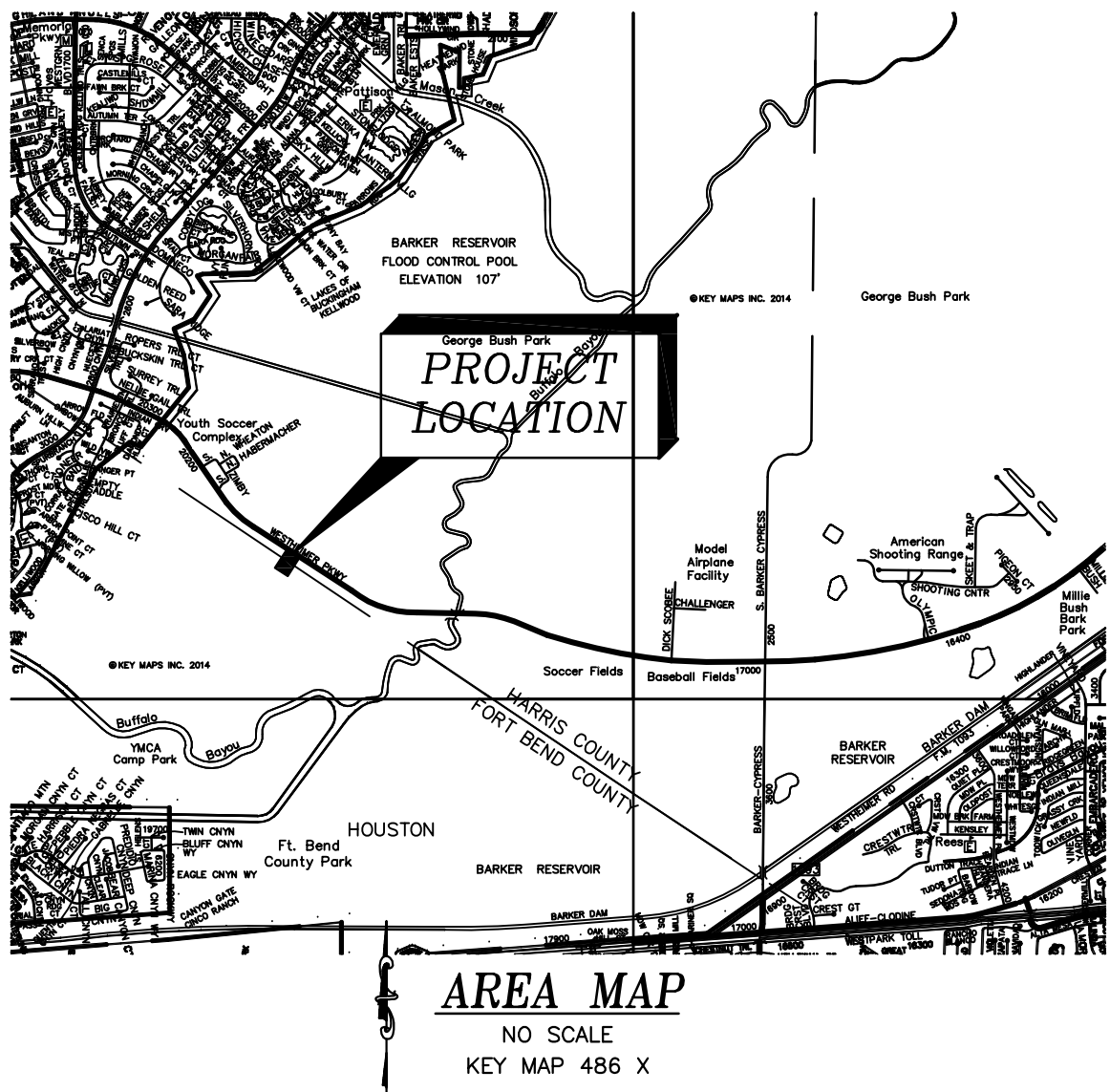
**WEISSER Engineering Co.**  
19500 Park Row, Suite 100  
Houston, Texas 77084  
(281) 579 - 7300  
[www.WeisserEng.com](http://www.WeisserEng.com)  
T&E License #1818 P.L.S. #100518-00

TOPOGRAPHIC SURVEY OF APPROXIMATELY 16 ACRES,  
FREEDOM PARK MONUMENT IMPROVEMENTS  
FORT BEND COUNTY, TEXAS

© Copyright 2014 Weisser Engineering Company, Inc.

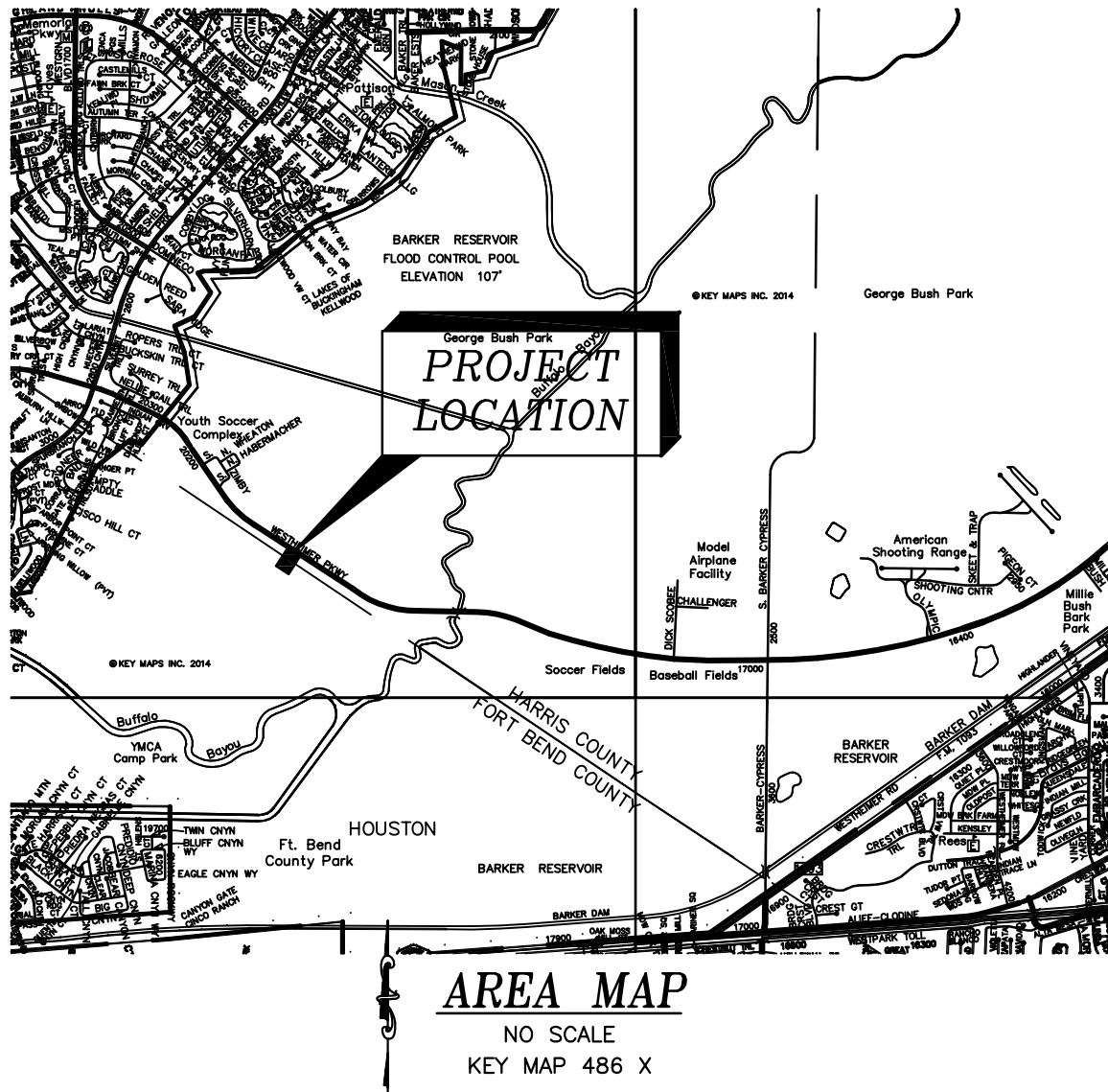
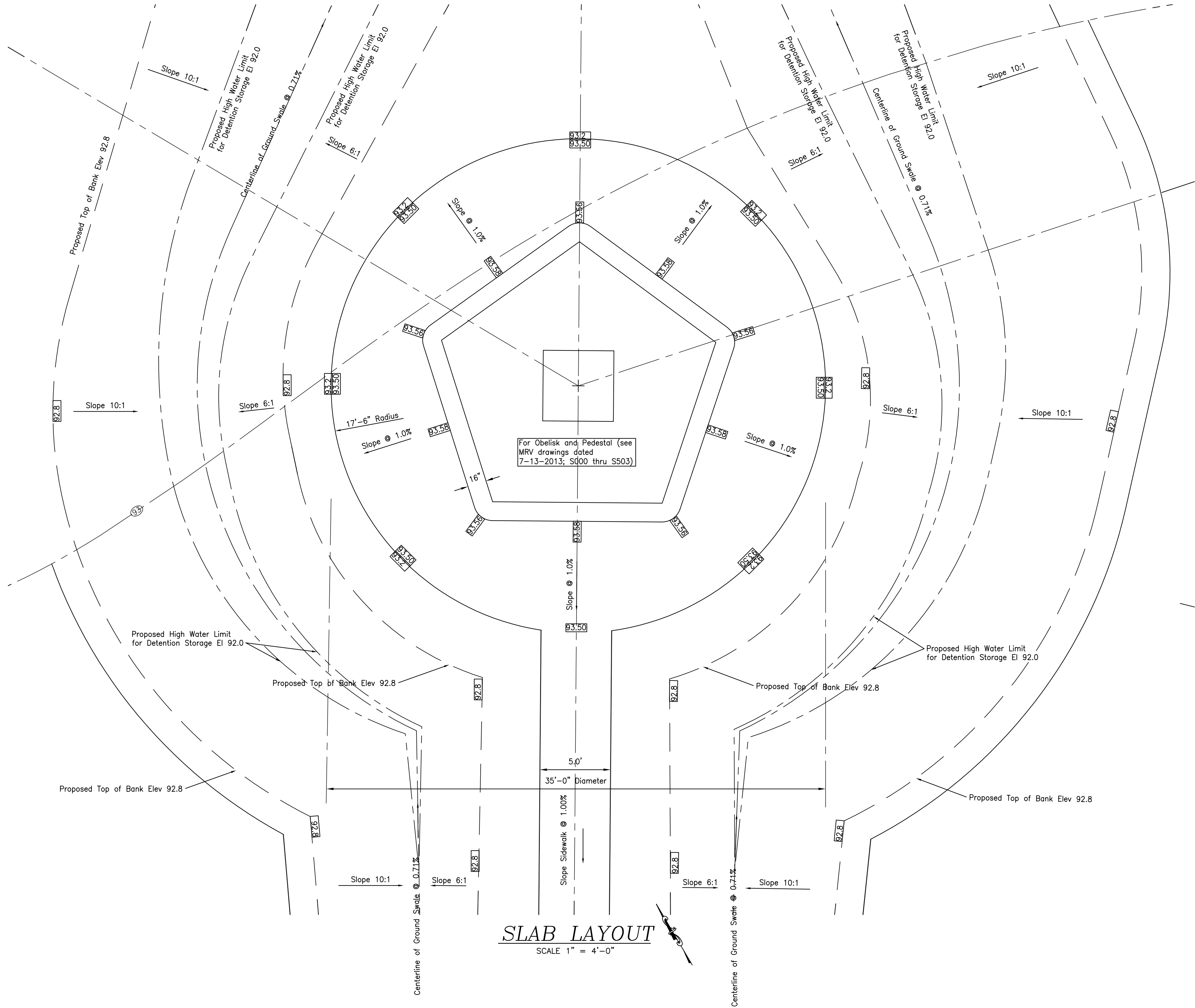
DRAWN BY: S.P.	CALCULATED BY: J.L.	SCALE: 1" = 40'
F.B. NO: 3058	CHECKED BY: J.L.	SHEET 01 OF 01
CREW CHIEF: K.H.	DATE: 08/14/2014	JOB No.: GC408 (971-008)





## EXHIBIT B





GENERAL NOTES:

1. SOILS REPORT BY Roba Kistner. REPORT NO. AHA11-023-00 DATED Dec.12, 2011..
2. PAVEMENT AND BUILDING AREAS SHALL BE STRIPPED OF TOPSOIL AND ANY DELETERIOUS ORGANIC MATERIALS. ANY SOFT SPOTS UNCOVERED SHALL BE EXCAVATED AND REPLACED WITH SELECT FILL.
3. COMPACT THE SUBGRADE TO A MINIMUM OF NINETY-FIVE (95%) PERCENT OF ITS MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR COMPACTION TEST (ASTM D698).
4. SELECT FILL, WHERE REQUIRED, SHALL BE A SANDY MATERIAL HAVING A PLASTICITY INDEX (P.I.) OF BETWEEN 7 AND 20 AND A LIQUID LIMIT BELOW 40. PLACE SELECT FILL IN EIGHT INCH LOOSE LIFTS AND COMPACT TO 95 % OF MAXIMUM LABORATORY DENSITY BY STANDARD PROCTOR DENSITY TEST AT OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH ASTM D698.
5. CONCRETE SHALL BE STONE AGGREGATE (1-1/2" MAX) AND SHALL DEVELOP 3000 PSI AT 28 DAYS. MIX DESIGN SHALL CONTAIN A MINIMUM OF FIVE (5) SACKS OF CEMENT PER CUBIC YARD OF CONCRETE. CONCRETE SHALL DEVELOP A MODULES OF RUPTURE OF APPROXIMATELY 525 PSI.
6. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 40 FOR #3 BARS AND GRADE 60 FOR #4 BARS AND LARGER. DETAILING AND FABRICATION SHALL CONFORM WITH THE AMERICAN CONCRETE INSTITUTE (ACI) DETAILING MANUAL, ACI 315, LATEST EDITION.

—WARNING—

OVERHEAD LINES MAY EXIST ON THE PROPERTY. WE HAVE NOT ATTEMPTED TO MARK THOSE LINES SINCE THEY ARE CLEARLY VISIBLE, BUT YOU SHOULD LOCATE THEM PRIOR TO BEGINNING ANY CONSTRUCTION. TEXAS LAW, SECTION 752, HEALTH & SAFETY CODE, FORBIDS ALL ACTIVITIES IN WHICH PERSONS OR THINGS MAY COME WITHIN SIX (6) FEET OF LIVE OVERHEAD HIGH VOLTAGE LINES. PARTIES RESPONSIBLE FOR THE WORK, INCLUDING CONTRACTORS, ARE LEGALLY RESPONSIBLE FOR SAFETY OF CONSTRUCTION WORKERS UNDER THIS LAW. THIS LAW CARRIES BOTH CRIMINAL AND CIVIL LIABILITY. TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL RELIANT ENERGY AT (713) 207-7777.

4		
3		
2		
1		
NO.	DATE	REVISIONS

**FREEDOM PARK**

George W. Bush Park  
Harris County, Texas

**FREEDOM PARK  
SLAB LAYOUT**

**Vano T. Wilson, P.E., Inc.**  
*Consulting Engineer*

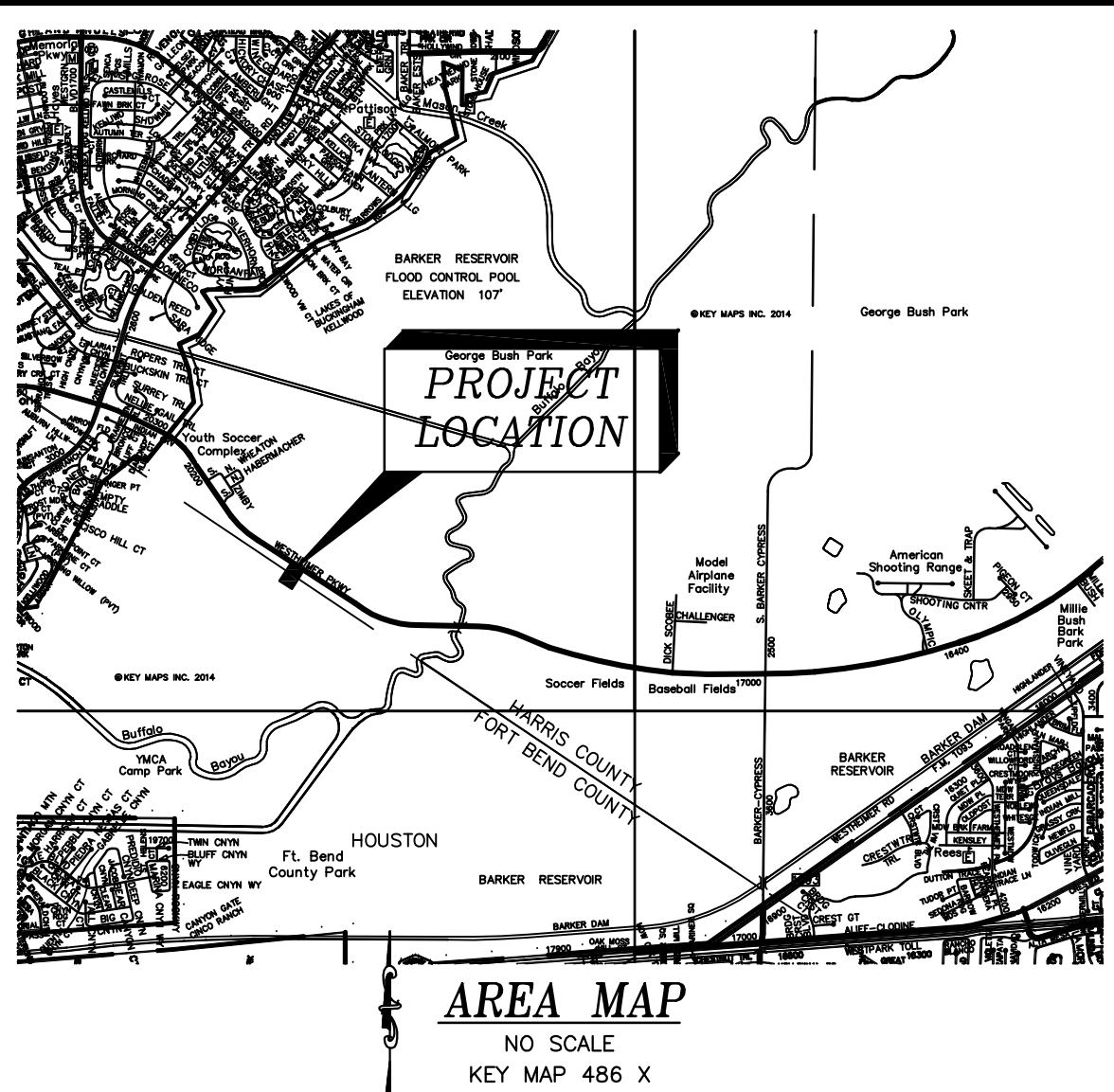
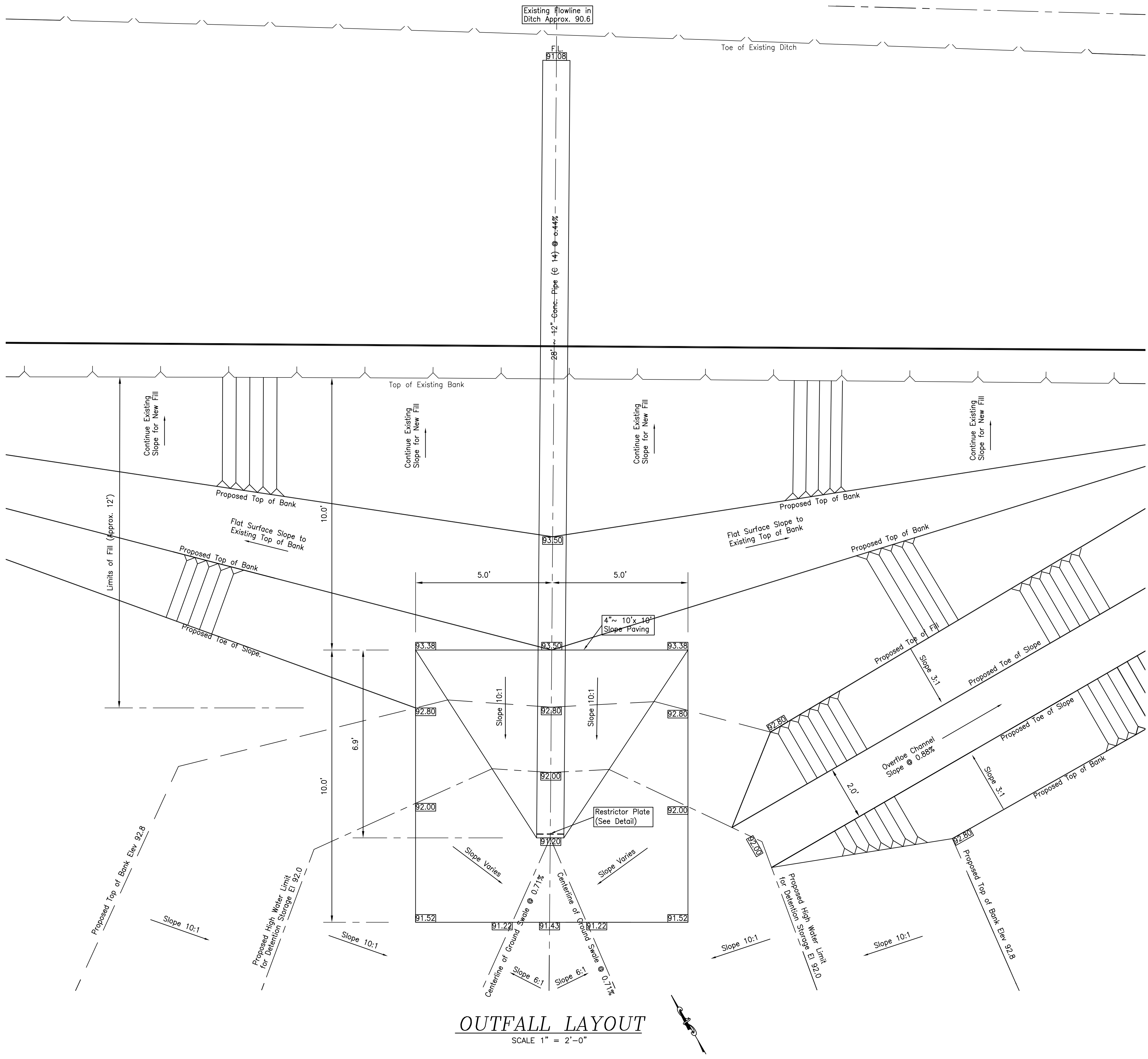
CIVIL      STRUCTURAL

P. O. Box 95, Bellaire, Texas 77402  
(713) 772-8008      vanowilson@att.net  
Firm Registration No. F-3778

This drawing is hereby released to Committee Members for the purpose of review and acceptance. This drawing is NOT FOR CONSTRUCTION or PERMITS until Engineer's Seal is affixed and Signed.

SHEET NO.  
**C-2.0**

SCALE: 1" = 4'-0"	DRAWN BY:
DATE: 9/01/2014	APP. BY: VTW
JOB NO: 34-009	DWG. NO. 34009-03



—WARNING—

OVERHEAD LINES MAY EXIST ON THE PROPERTY. WE HAVE NOT ATTEMPTED TO MARK THOSE LINES SINCE THEY ARE CLEARLY VISIBLE, BUT YOU SHOULD LOCATE THEM PRIOR TO BEGINNING ANY CONSTRUCTION. TEXAS LAW, SECTION 752, HEALTH & SAFETY CODE, FORBIDS ALL ACTIVITIES IN WHICH PERSONS OR THINGS MAY COME WITHIN SIX (6') FEET OF LIVE OVERHEAD HIGH VOLTAGE LINES. PARTIES RESPONSIBLE FOR THE WORK, INCLUDING CONTRACTORS, ARE LEGALLY RESPONSIBLE FOR SAFETY OF CONSTRUCTION WORKERS UNDER THIS LAW. THIS LAW CARRIES BOTH CRIMINAL AND CIVIL LIABILITY. TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL RELIANT ENERGY AT (713) 207-7777.

4	
3	
2	
1	
NO.	DATE
REVISIONS	

**FREEDOM PARK**  
George W. Bush Park  
Harris County, Texas

**FREEDOM PARK  
OUTFALL LAYOUT**

**Vano T. Wilson, P.E., Inc.**  
Consulting Engineer

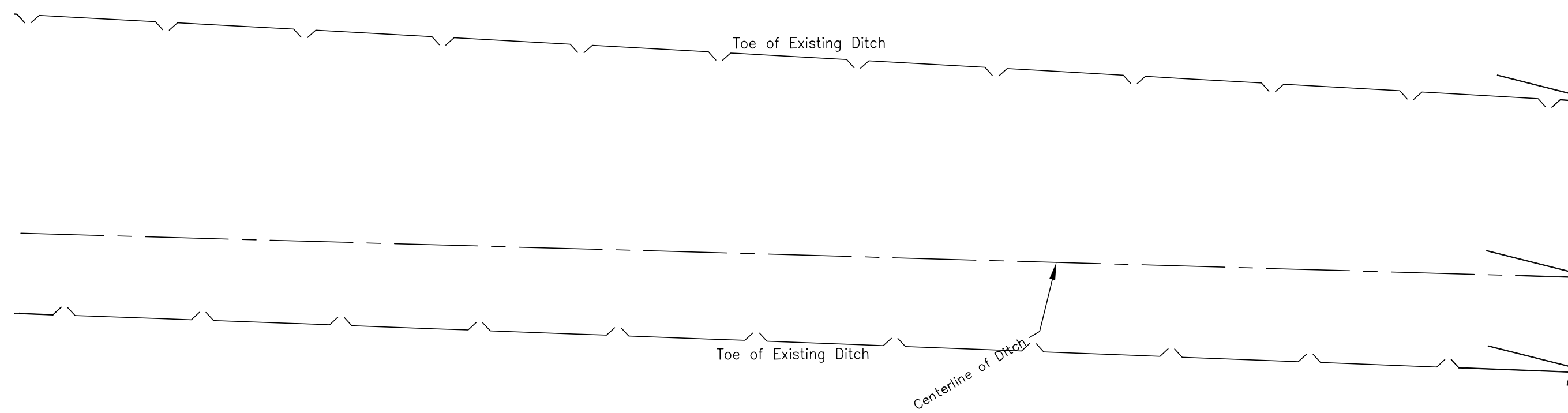
CIVIL STRUCTURAL

P. O. Box 95, Bellaire, Texas 77402  
(713) 772-8008 vanowilson@att.net  
Firm Registration No. F-3778

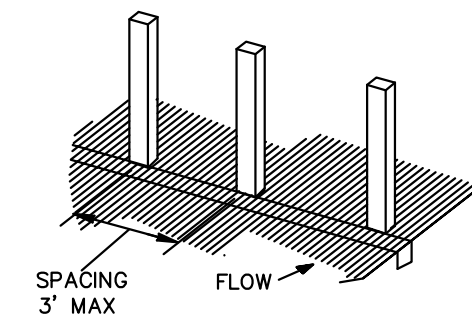
This drawing is hereby released to Committee Members for the purpose of review and acceptance. This drawing is NOT FOR CONSTRUCTION or PERMITS until Engineer's Seal is affixed and Signed.

SHEET NO.  
**C-3.0**

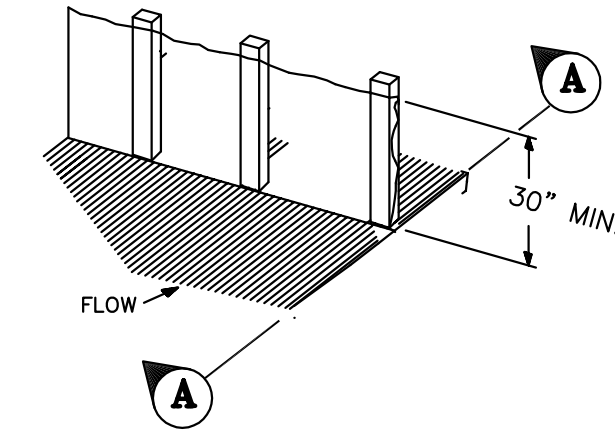
SCALE: 1" = 2'-0"	DRAWN BY:
DATE: 9/01/2014	APP. BY: VTW
JOB NO: 34-009	DWG. NO. 34009-04



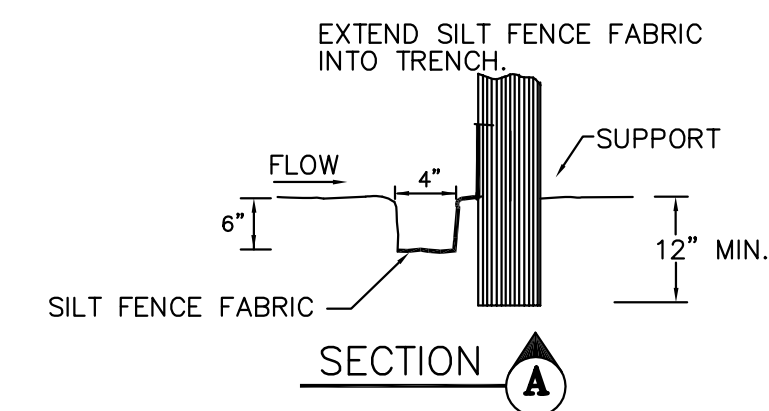
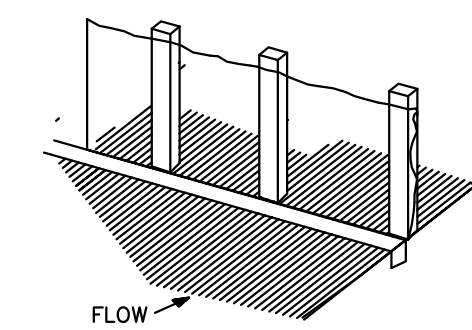
1. SET SUPPORTS AND EXCAVATE 4"x6" TRENCH UPSLOPE ALONG LINE OF SUPPORTS.



3. ATTACH SILT FENCE FABRIC TO SUPPORTS AND EXTEND INTO THE TRENCH.

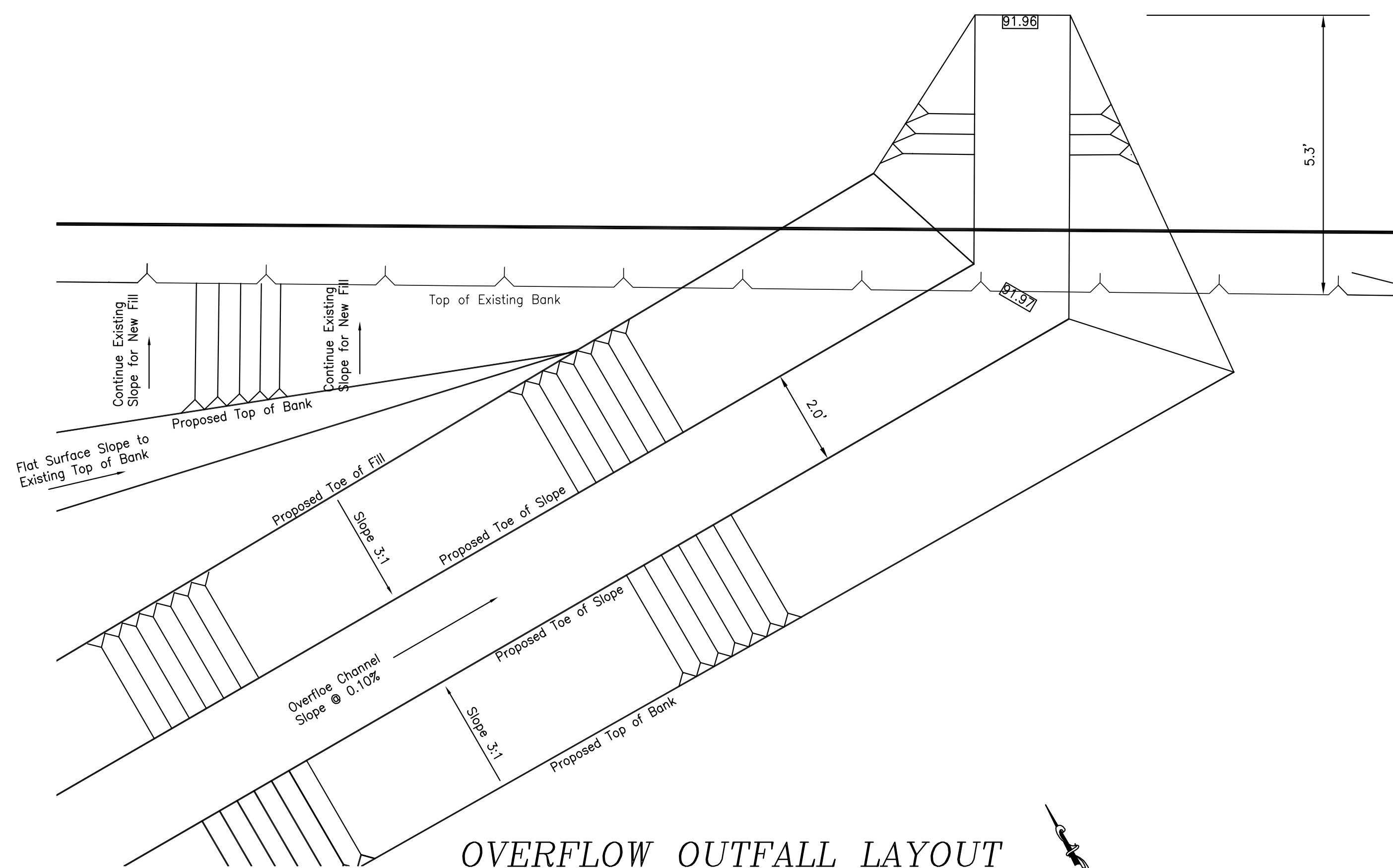
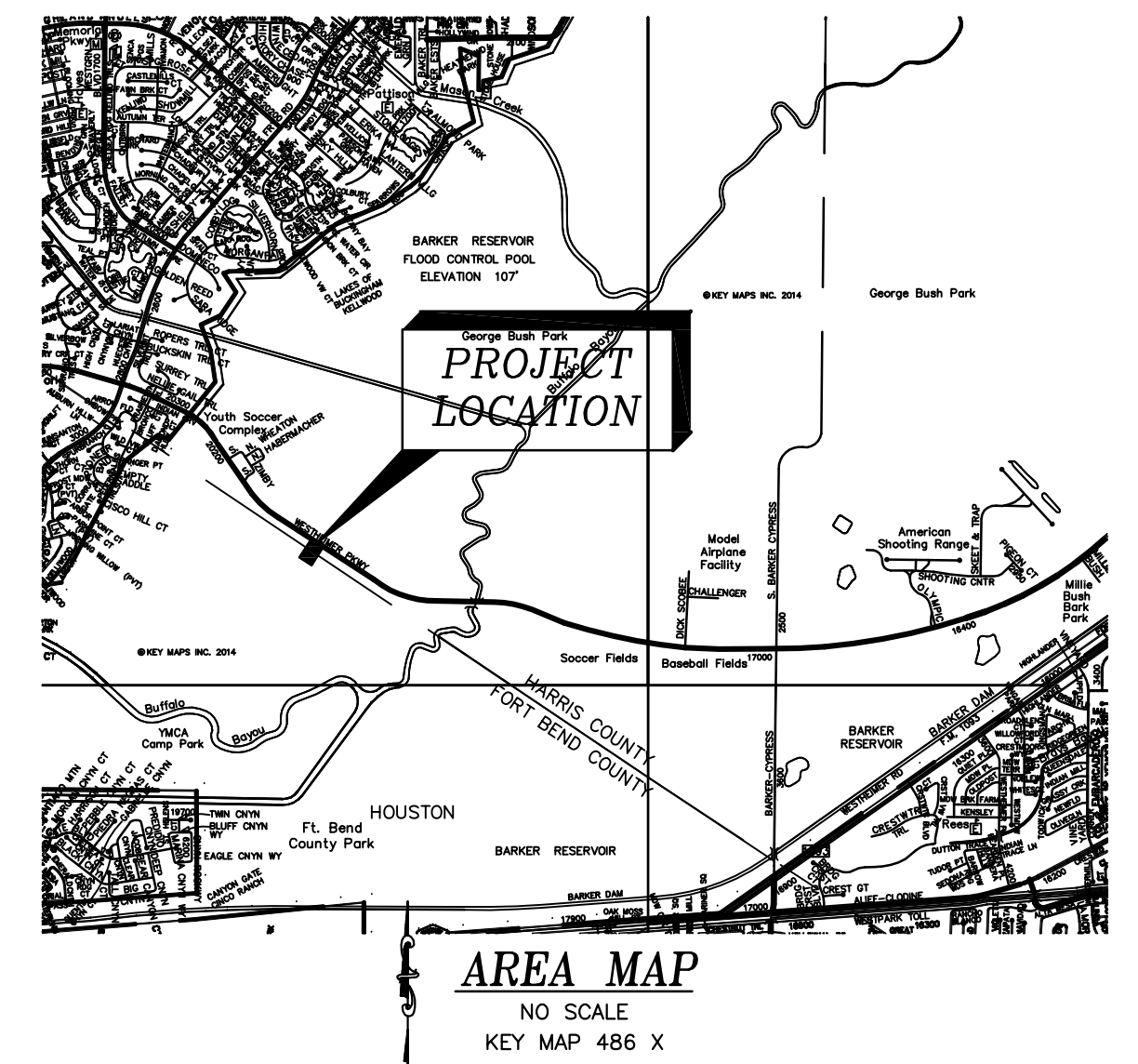


4. BACKFILL AND COMPACT THE EXCAVATED SOIL.



### S.W.P.P. DETAILS

NO SCALE



### OVERFLOW OUTFALL LAYOUT

SCALE 1" = 2'-0"

—WARNING—

OVERHEAD LINES MAY EXIST ON THE PROPERTY. WE HAVE NOT ATTEMPTED TO MARK THOSE LINES SINCE THEY ARE CLEARLY VISIBLE, BUT YOU SHOULD LOCATE THEM PRIOR TO BEGINNING ANY CONSTRUCTION. TEXAS LAW, SECTION 752, HEALTH & SAFETY CODE, FORBIDS ALL ACTIVITIES IN WHICH PERSONS OR THINGS MAY COME WITHIN SIX (6') FEET OF LIVE OVERHEAD HIGH VOLTAGE LINES. PARTIES RESPONSIBLE FOR THE WORK, INCLUDING CONTRACTORS, ARE LEGALLY RESPONSIBLE FOR SAFETY OF CONSTRUCTION WORKERS UNDER THIS LAW. THIS LAW CARRIES BOTH CRIMINAL AND CIVIL LIABILITY. TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL RELIANT ENERGY AT (713) 207-7777.

4		
3		
2		
1	4/8/09	FOR PERMIT
NO.	DATE	REVISIONS

**FREEDOM PARK**

George W. Bush Park  
Harris County, Texas

**FREEDOM PARK  
OVERFLOW OUTLET**

**Vano T. Wilson, P.E., Inc.**  
**Consulting Engineer**

CIVIL STRUCTURAL

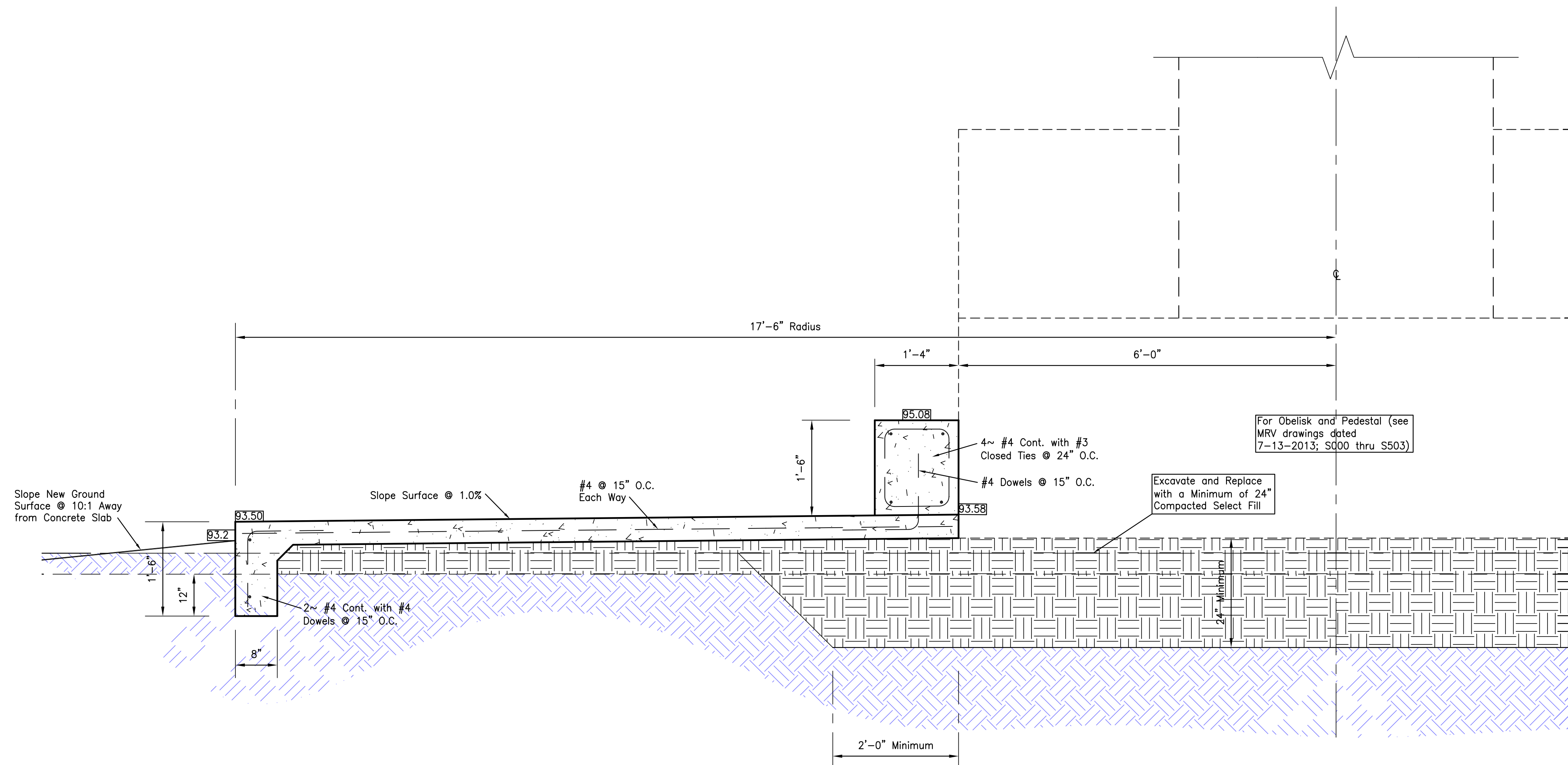
P. O. Box 95, Bellaire, Texas 77402  
(713) 772-8008 vanowilson@att.net  
Firm Registration No. F-3778

This drawing is hereby released to Committee Members for the purpose of review and acceptance. This drawing is NOT FOR CONSTRUCTION or PERMITS until Engineer's Seal is affixed and Signed.

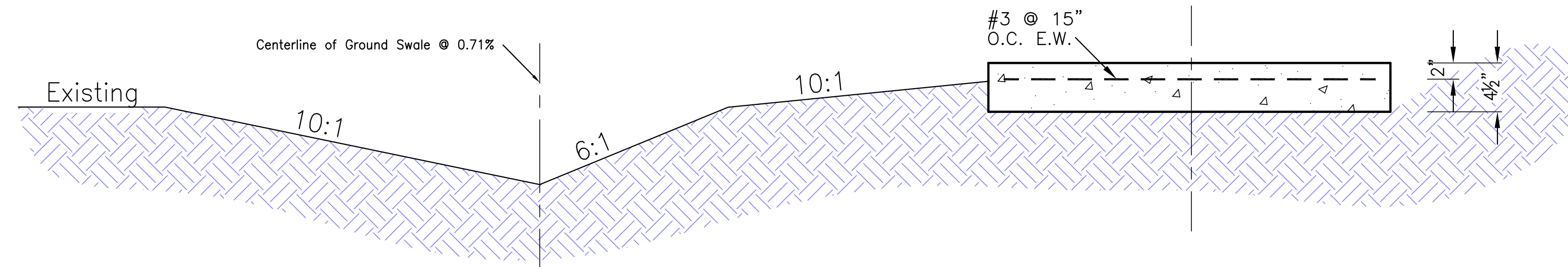
SHEET NO.  
**C-4.0**

SCALE: 1" = 2'-0"	DRAWN BY:
DATE: 9/01/2014	APP. BY: VTW
JOB NO: 34-009	DWG. NO. 34009-05

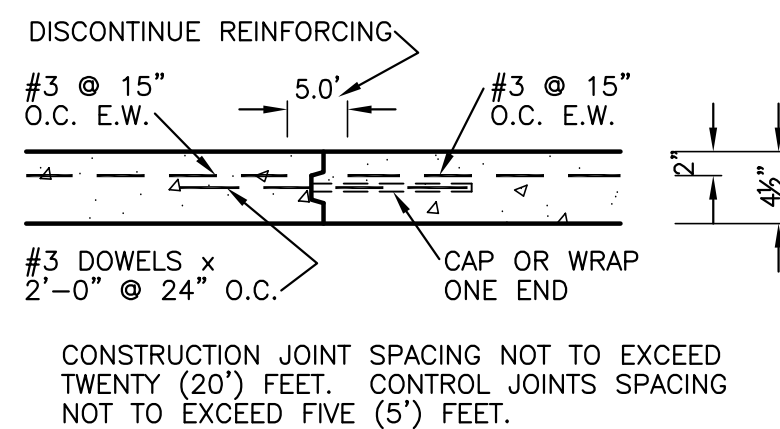




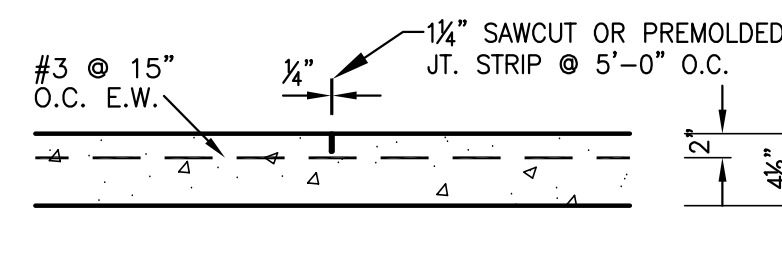
**SECTION THRU SLAB**  
SCALE 1" = 1'-0"



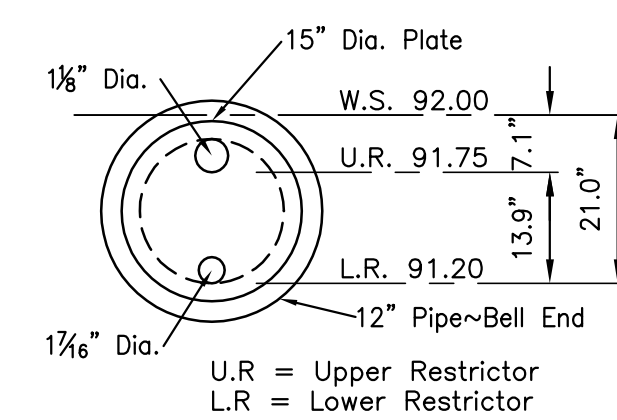
**SECTION THRU SWALE & SIDEWALK**  
SCALE 1" = 1'-0"



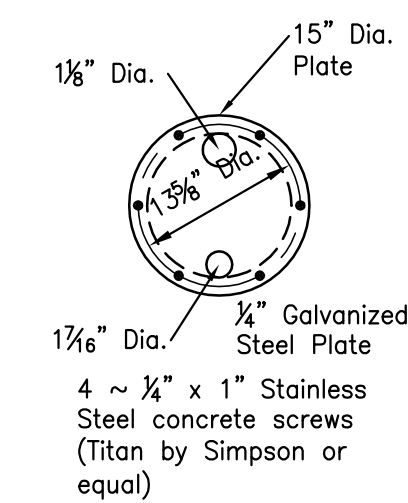
**CONSTRUCTION JT**  
NO SCALE



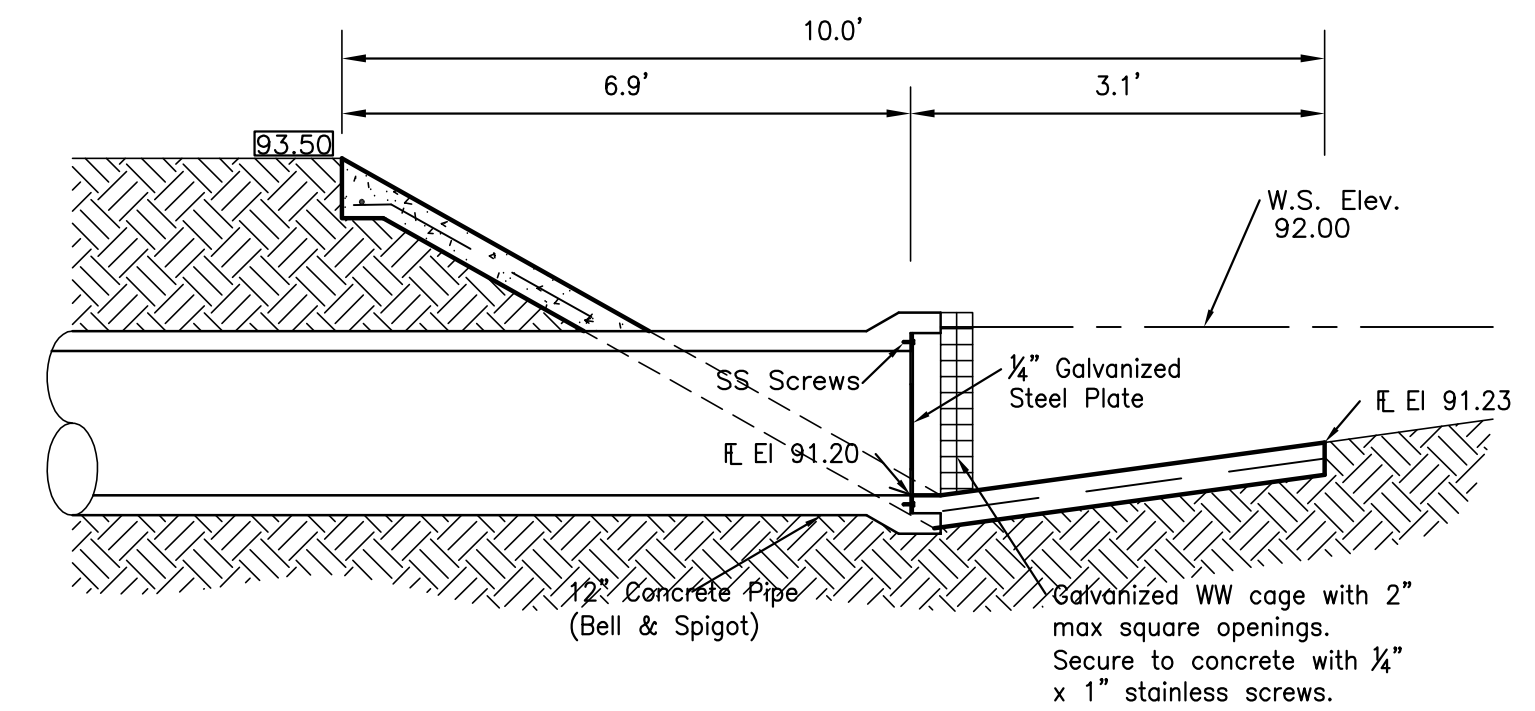
**CONTROL JT**  
NO SCALE



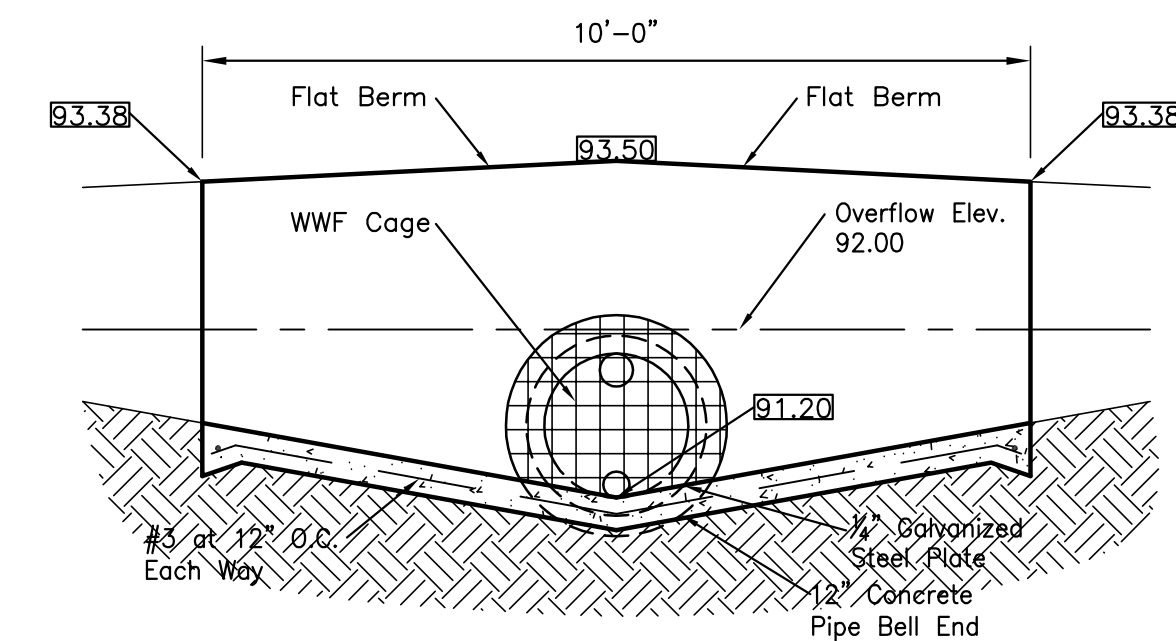
**PIPE END DETAIL**  
SCALE 1" = 2'-0"



**RESTRICTOR**  
SCALE 1" = 2'-0"



**SECTION THRU OUTFALL**  
SCALE 1" = 2'-0"



**OUTFALL ELEVATION**  
SCALE 1" = 2'-0"

**—WARNING—**  
OVERHEAD LINES MAY EXIST ON THE PROPERTY. WE HAVE NOT ATTEMPTED TO MARK THOSE LINES SINCE THEY ARE CLEARLY VISIBLE, BUT YOU SHOULD LOCATE THEM PRIOR TO BEGINNING ANY CONSTRUCTION. TEXAS LAW, SECTION 752, HEALTH & SAFETY CODE, FORBIDS ALL ACTIVITIES IN WHICH PERSONS OR THINGS MAY COME WITHIN SIX (6') FEET OF LIVE OVERHEAD HIGH VOLTAGE LINES. PARTIES RESPONSIBLE FOR THE WORK, INCLUDING CONTRACTORS, ARE LEGALLY RESPONSIBLE FOR SAFETY OF CONSTRUCTION WORKERS UNDER THIS LAW. THIS LAW CARRIES BOTH CRIMINAL AND CIVIL LIABILITY. TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL RELIANT ENERGY AT (713) 207-7777.

NO.	DATE	REVISIONS
4		
3		
2		
1		

**FREEDOM PARK**  
George W. Bush Park  
Harris County, Texas

**FREEDOM PARK**  
CIVIL DETAILS

**Vano T. Wilson, P.E., Inc.**  
Consulting Engineer  
CIVIL STRUCTURAL  
P. O. Box 95, Bellaire, Texas 77402  
(713) 772-8008 vanowilson@att.net  
Firm Registration No. F-3778

This drawing is hereby released to Committee Members for the purpose of review and acceptance. This drawing is NOT FOR CONSTRUCTION OR PERMITS until Engineer's Seal is affixed and Signed.

**SHEET NO.**  
**C-5.0**

SCALE: NOTED	DRAWN BY:
DATE: 9/01/2014	APP. BY: VTW
JOB NO: 34-009	DWG. NO. 34009-06

- |                               |          |
|-------------------------------|----------|
| 1. BUILDING CODE:             | 2009 IBC |
| 2. LIVE LOADS<br>WALKWAY SLAB | 100 PSF  |
| 3. WIND LOADS                 |          |
| A. BASIC WIND SPEED           | 115 MPH  |
| B. IMPORTANCE FACTOR          | 1.0      |
| C. EXPOSURE CATEGORY          | C        |

- |   |      |
|---|------|
| 4. EARTHQUAKE LOADS                           |      |
| A. MAPPED SPECTRAL RESPONSE ACCELERATION (SS) | .087 |
| B. MAPPED SPECTRAL RESPONSE ACCELERATION (S1) | .035 |
| C. SEISMIC IMPORTANCE FACTOR                  | 1.0  |
| D. SEISMIC DESIGN CATEGORY                    | A    |
| E. SITE CLASSIFICATION                        | D    |

### GENERAL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADEQUATE TEMPORARY SUPPORT AND STABILITY OF ALL STRUCTURES DURING ALL PHASES OF CONSTRUCTION.
2. JOB SITE SAFETY SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
3. THE CONTRACTOR SHALL ADHERE TO OCCUPATIONAL SAFETY AND HEALTH (OSHA) REGULATIONS, AS A MINIMUM, TO PROTECT PERSONNEL AT EXCAVATION SITES.

## FOUNDATIONS

1. THE SITE GEOTECHNICAL INVESTIGATION FOR THIS PROJECT WAS PREPARED BY RABA KISTNER CONSULTANTS INC., 3802 WESTCHASE, HOUSTON TX 77042, TEL. 713-996-8990, REPORT NO. AH11-023-00. THE CONTRACTOR SHALL OBTAIN A COPY OF THIS REPORT AND REVIEW IT TO BECOME THOROUGHLY FAMILIAR WITH THE GEOTECHNICAL CONDITIONS THAT EXIST AT THIS SITE AND THE RECOMMENDATIONS PRESENTED THEREIN.
2. BELLEO PIER DESIGNS ARE BASED ON A NET ALLOWABLE SOIL BEARING PRESSURE OF 4500 PSF FOR DEAD LOADS, 6750 PSF FOR DEAD PLUS SUSTAINED LIVE LOADS, AND 9000 PSF FOR TOTAL LOADS. PILING SHALL BEAR IN UNDISTURBED STIFF OR MEDIUM-STIFF TO VERY STIFF SILT OR STRUCTURAL FILL UNDERLAIN BY FIRM MATERIALS.
3. REMOVE SUBSURFACE VEGETATION, TOPSOIL, ROOT SYSTEMS, ORGANIC MATERIAL, AND SOFT OR OTHERWISE UNSUITABLE MATERIAL FROM THE PROJECT AREA TO 18" BELOW EXISTING GRADE IN THE AREA OF THE OBELISK PEDISTAL, 12" IN THE AREA OF THE WALKWAYS. REMOVE AND REPLACE UNSUITABLE AREAS WITH COMPACTED SILEX MATERIALS OR GRANULAR MATERIALS AS SPECIFIED BELOW. EXCAVATE EXPOSED SUBGRADE TO A DEPTH OF 8 INCHES AND RECOMPACT TO 95 PERCENT OF THE MATERIAL'S MAXIMUM DRY DENSITY, AS DETERMINED BY ASTM D1557. GRANULAR MATERIALS USED AS UNDERLAYMENT SHALL BE COMPACTED TO 95 PERCENT OF THE MAXIMUM DRY DENSITY, AS DETERMINED BY ASTM D1557. IMPORTED GRANULAR FILL SHALL BE CRUSHED ROCK OR CRUSHED ROCK AND SAND THAT IS WELL GRADED FROM COMPACTIBLE COARSE AND FINE, CONTAINS NO ORGANIC MATERIAL OR OTHER HARMFUL MATERIALS, HAS A MAXIMUM PARTICLE SIZE OF 1 1/2 INCHES, AND HAS LESS THAN 5 PERCENT PASSING THE NO. 200 SIEVE. IMPORTED GRANULAR UNDERLAYMENT SHOULD BE PLACED IN LIFT THICKNESSES NOT EXCEEDING 8 INCHES IN THICKNESS AND COMPACTED TO THE STANDARD STATION ABOVE.
4. THE CONTRACTOR SHALL PROVIDE AND ENSURE PROPER DRAINAGE OF THE SITE PRIOR TO BEGINNING CONSTRUCTION OF THE FOUNDATIONS. DRAINAGE SHALL BE SUCH THAT SURFACE RUNOFF IS ROUTED AROUND OR AWAY FROM THE FOUNDATION SITES. MEASURES SHALL BE TAKEN TO PREVENT THE ACCUMULATION OF WATER WITHIN THE CONSTRUCTION AREA.

## CONCRETE

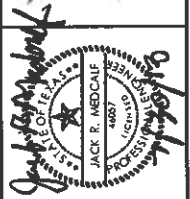
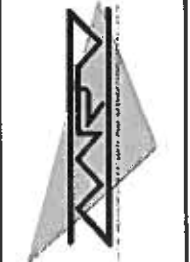
1. REINFORCED CONCRETE SHALL CONFORM TO ACI 318-11 AND ACI 117, ACI 223, ACI 301, ACI 302, ACI 305R, ACI 306R, ACI 308, ACI SP66 AND ACI 347R.
2. REINFORCED CONCRETE FOR WATER RETAINING STRUCTURES SHALL CONFORM TO ACI 350-06.
3. CLASS OF MIX      MIN COMP. STRENGTH\*      MAX COARSE AGG. SIZE      MAX SLUMP\*\*      MAX WATER/CEMENT RATIO  
CLASS A      4000 PSI      3/4"      4"      0.4  
    \* MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS  
    \*\* SLUMP BEFORE ADDING WATER REDUCING ADMIXTURE. NOT MORE THAN 8" AFTER.
4. MINIMUM CEMENT CONTENT: CEMENT CONTENT SHALL BE NO LESS THAN 470 POUNDS PER CUBIC YARD, UNLESS FLY ASH IS USED WITHIN THE MIXTURE. IF FLY ASH IS USED, CEMENT CONTENT SHALL BE NO LESS THAN 376 POUNDS.
5. FLY ASH MAY BE USED IN CEMENT MIXTURES WITH A MAXIMUM FLY ASH CONTENT OF 20 PERCENT OF CEMENT CONTENT BY WEIGHT.
6. REINFORCING STEEL SHALL HAVE A MINIMUM YIELD STRENGTH (F<sub>y</sub>) OF 60 KSI.
7. REINFORCING BARS SHALL BE LAP SPICED A MINIMUM OF 48 BAR DIAMETERS OR 24 INCHES, WHICHEVER IS GREATER.
8. CONCRETE SHALL BE PLACED BY PUMPING OR CHUTE. PLACE CONCRETE SUCH THAT TRUCKS OR BUGGIES DO NOT ROLL OVER REINFORCING STEEL. SET AND CHECK FORMS USING A SURVEY INSTRUMENT.
9. PROPERLY VIBRATE CONCRETE TO PREVENT HONEYCOMBING AND SEGREGATION.
10. DETAILING, FABRICATION AND ERECTION OF REINFORCED BARS SHALL COMPLY WITH ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES", ACI 315.
11. DEFORMED STEEL REINFORCING BARS SHALL CONFORM TO ANSI/ASTM A 615 WITH SUPPLEMENTARY REQUIREMENTS S1, GRADE 60.
12. PROVIDE ONE NO. 5  $\times$  4'-0" BAR AT ALL RE-ENTRANT CORNERS, PLACED ON THE DIAGONAL WITH 1-INCH CLEARANCE FROM CORNER AND TOP OF SLAB. THIS INCLUDES ANY RECTILINEAR OPENINGS OR CORNERS OF DEPRESSED AREAS MADE DUE TO STANDARD CONSTRUCTION PRACTICES.
13. PROVIDE SUPPORTS OR CHAIRS TO SUPPORT REBAR AT THE POSITIONS REQUIRED BY THE DRAWINGS. REINFORCING BARS FOR SLABS ON GRADE SHALL BE SUPPORTED ON PRECAST CONCRETE BLOCKS AT 3'-0" ON CENTER OR BAR CHAIRS WITH SHEET METAL BASES AT 4'-0" ON CENTERS. DEPTH OF CHAIRS SHALL PROVIDE FOR COVER AS SHOWN ON DRAWINGS.
14. REINFORCING STEEL SHALL BE ADEQUATELY TIED TO ASSURE THAT REINFORCEMENT WILL REMAIN IN PROPER POSITION DURING CONCRETE PLACEMENT AND CURING.
15. SLABS SHALL BE CURED USING A MEMBRANE FORMING CURING COMPOUND. ABSORPTIVE MATS OR FABRICS KEPT CONTINUOUSLY WET OR BY MISTING. SPRAY-ON CURING COMPOUNDS MUST BE COMPATIBLE WITH PROPOSED FLOOR COVERINGS.
15. CONCRETE FINISHES:  
A - EXPOSED SLABS ON GRADE - PROVIDE A TIGHT STEEL TROWELED FINISH  
B - EXPOSED SURFACES OF PERIMETER BEAMS - PROVIDE A RUBBED FINISH  
C - SURFACE NOT EXPOSED TO VIEW, UNLESS OTHERWISE NOTES - PROVIDE A FORMED FINISH
16. CONCRETE PRECASTING CONTRACTOR PERMITTED TO REVIEW STRUCTURAL SHEETS AND MAKE RECOMMENDED MODIFICATIONS BASED ON PLANT STANDARDS.

## STRUCTURAL STEEL

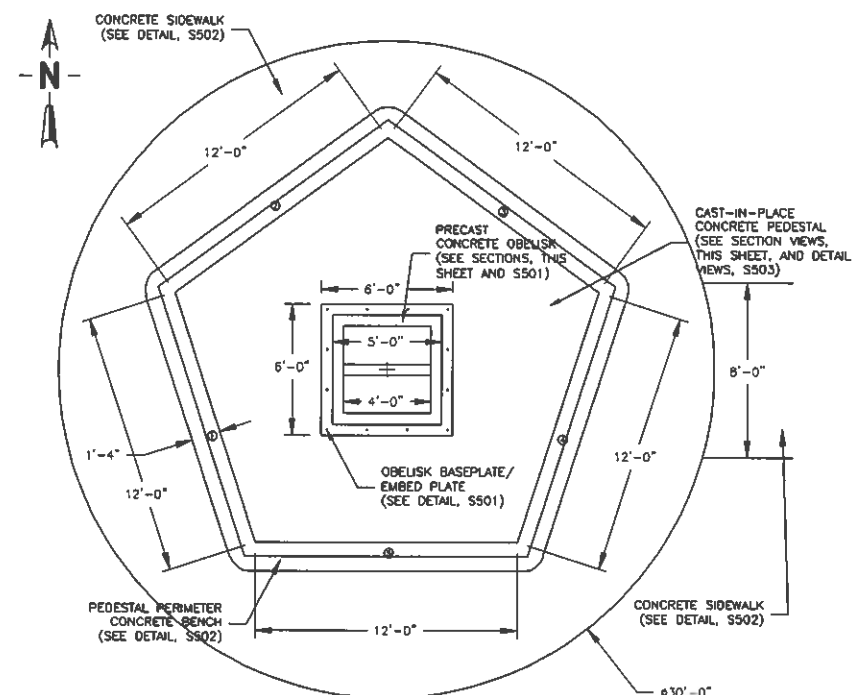
1. STRUCTURAL STEEL SHALL MEET THE FOLLOWING STRENGTHS  
A. CHANNEL, STEEL BARS, PLATES, AND ANGLES ASTM A36 36 KSI  
B. ANCHOR RODS ASTM F1554 36 KSI

## CONCRETE FORMWORK

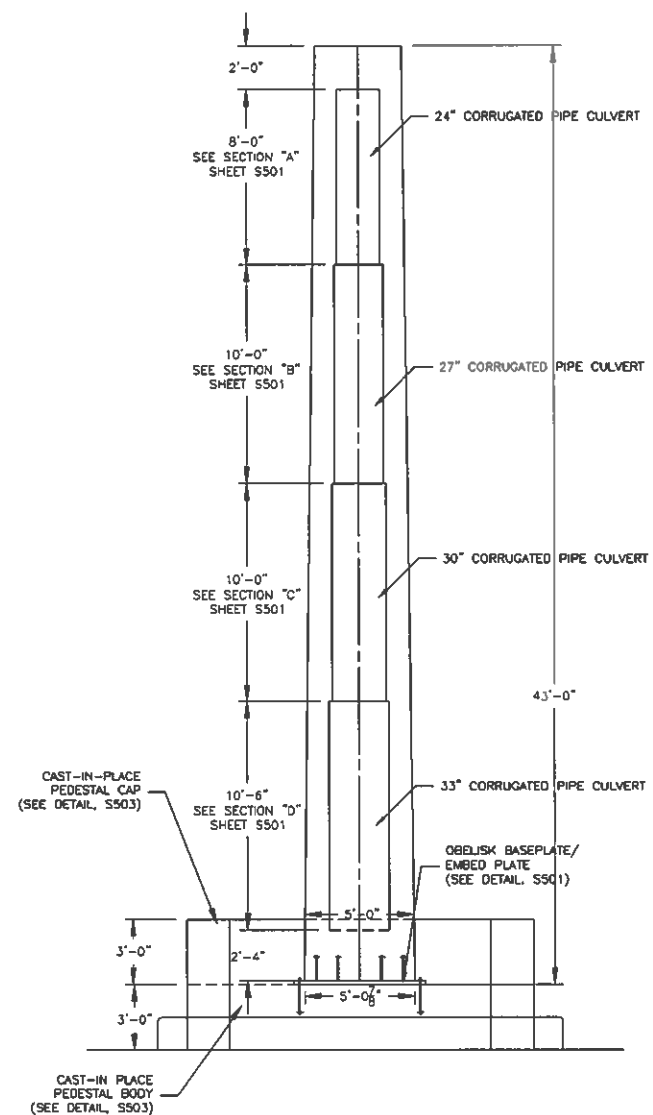
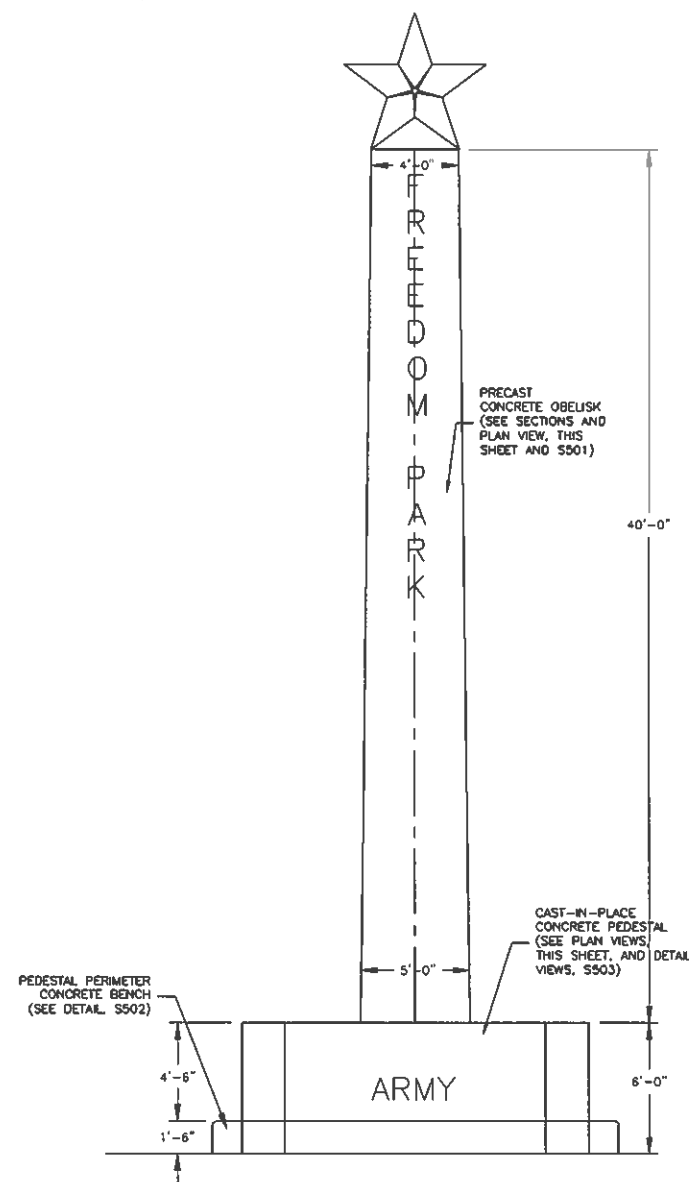
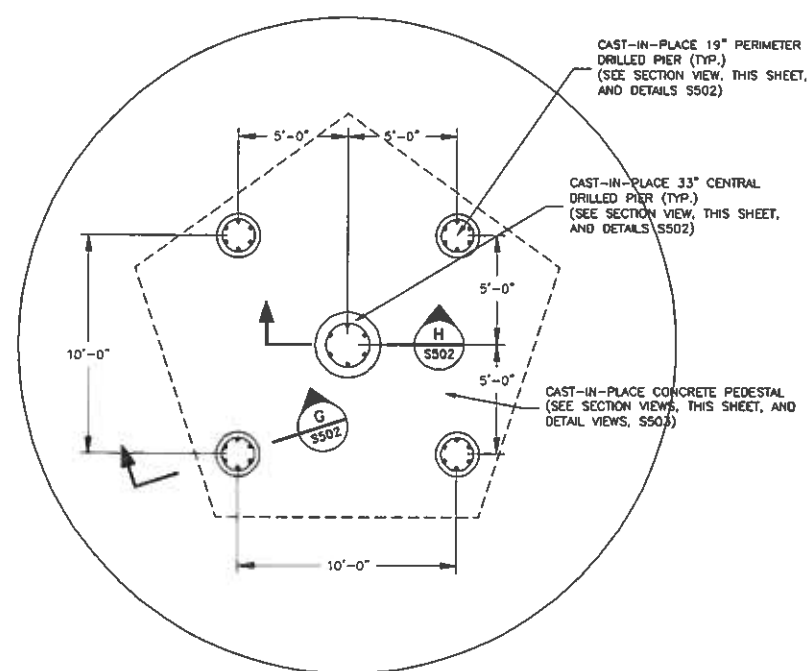
- 1 FORMWORK SHALL BE DESIGNED, ERECTED, SHORED, BRACED AND MAINTAINED IN ACCORDANCE WITH AC 301 TO SUPPORT VERTICAL, LATERAL, STATIC AND DYNAMIC LOADS AND CONSTRUCTION LOADS UNTIL THE CONCRETE STRUCTURE CAN SUPPORT SUCH LOADS.
- 2 FORMWORK SHALL BE SUCH THAT CONCRETE MEMBERS ARE OF THE SIZE, SHAPE, ALIGNMENT, ELEVATION AND LOCATION INDICATED ON THE PLAN.
- 3 FORMWORK SHALL BE CONSTRUCTED WITH PLYWOOD; TEMPERED CONCRETE-FORM HARDBOARD; DRESSED LUMBER FACED WITH PLYWOOD OR FIBERBOARD LINING; METAL; PLASTIC; OR METAL FRAMED PLYWOOD-FACED PANEL MATERIAL ACCEPTABLE TO THE ENGINEER TO PROVIDE CONTINUOUS, STRAIGHT, SMOOTH SURFACES. FORMING MATERIAL SHALL BE FREE OF RAISED GRAIN, TORN SURFACES, WORN EDGES, PATCHES, DENTS OR OTHER SURFACE DEFECTS. FURNISH MATERIAL IN THE LARGEST PRACTICAL SIZES TO MINIMIZE THE NUMBER OF JOINTS.
- 4 CONSTRUCT FORMS TIGHT ENOUGH TO PREVENT LOSS OF CONCRETE MORTAR.
- 5 FABRICATE FORMS FOR EASY REMOVAL WITHOUT HAMMERING OR PRYING AGAINST CONCRETE SURFACES. PROVIDE CRUSH OR WRECKING PLATES WHERE STRIPPING MAY DAMAGE CAST CONCRETE SURFACES.
- 6 REMOVE ALL DIRT, TRASH, WOOD CHIPS, SCRAP TIE-WIRE AND REBAR AND ANY OTHER DEBRIS FROM FORMS PRIOR TO PLACEMENT OF CONCRETE.
- 7 COAT SURFACES OF FORMWORK WITH FORM RELEASE AGENT, IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS, PRIOR TO PLACEMENT OF REBAR.



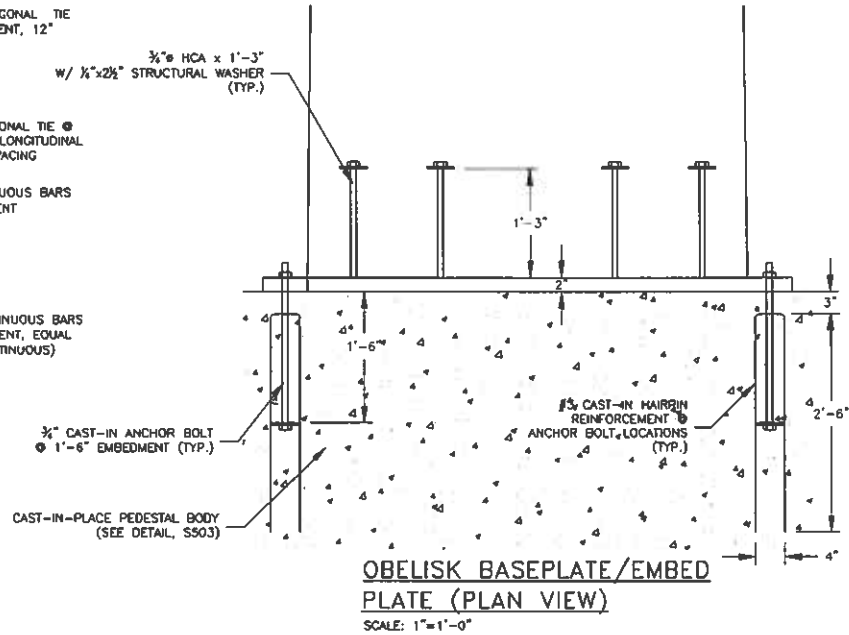
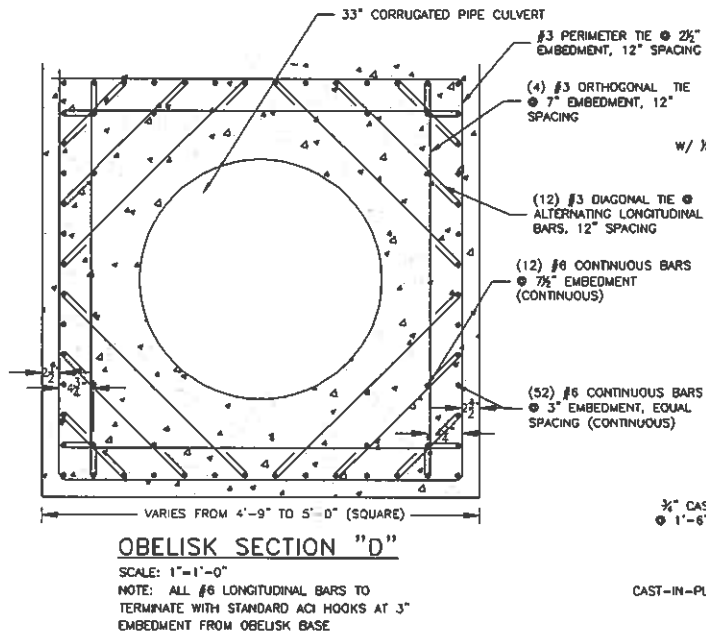
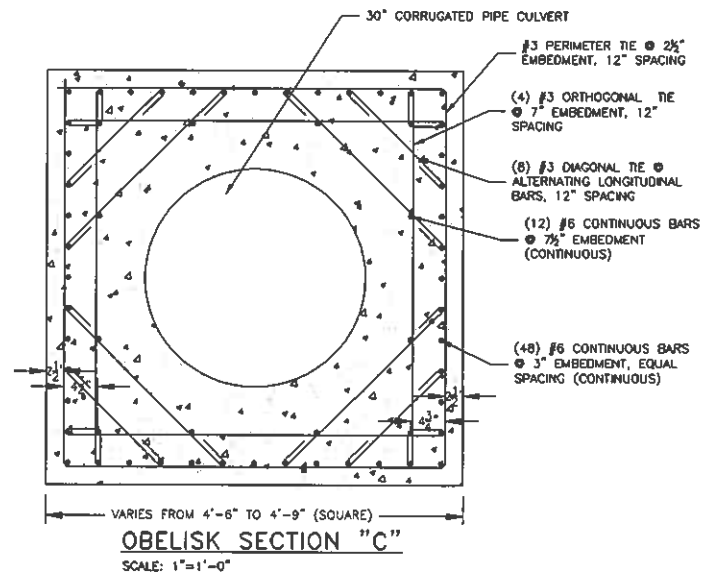
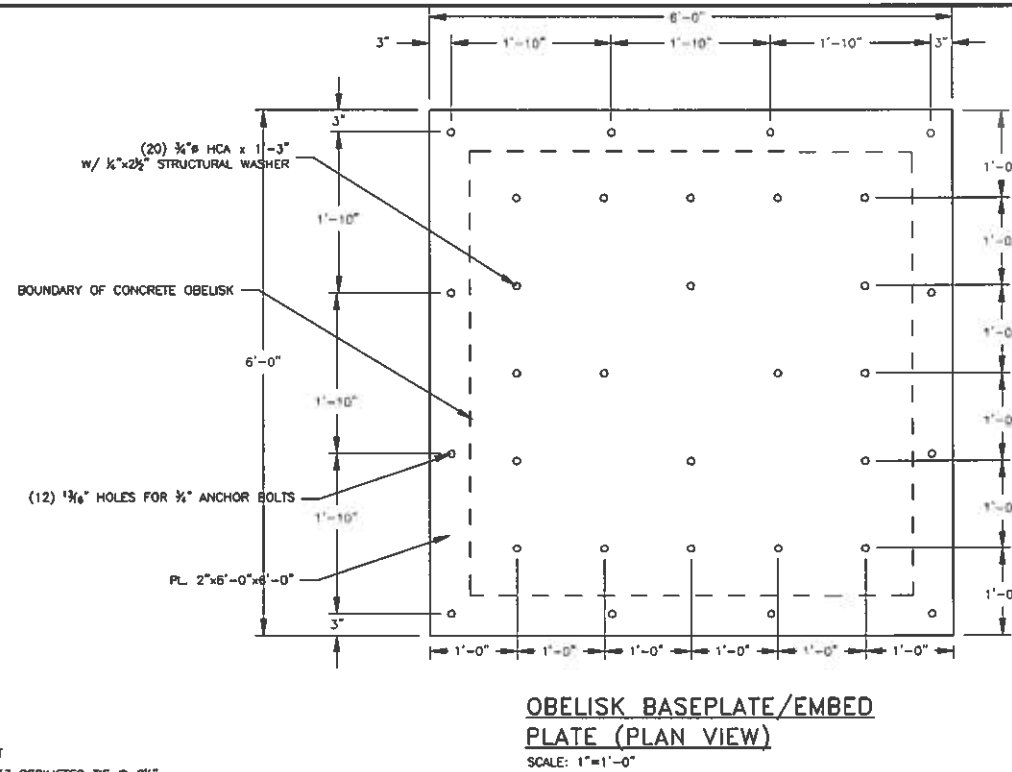
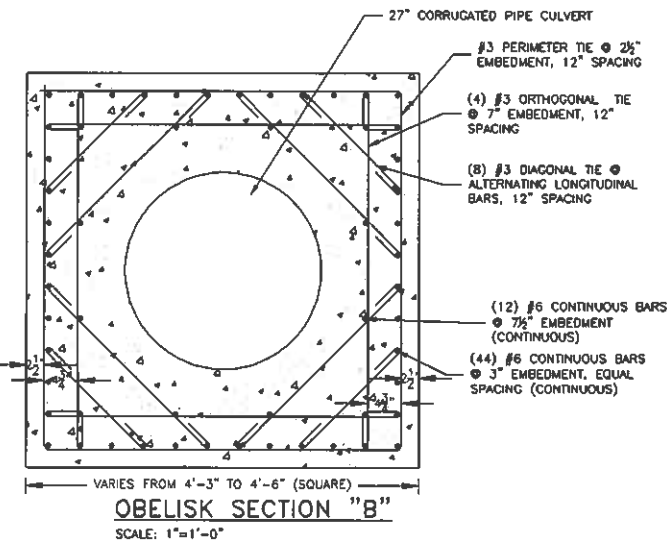
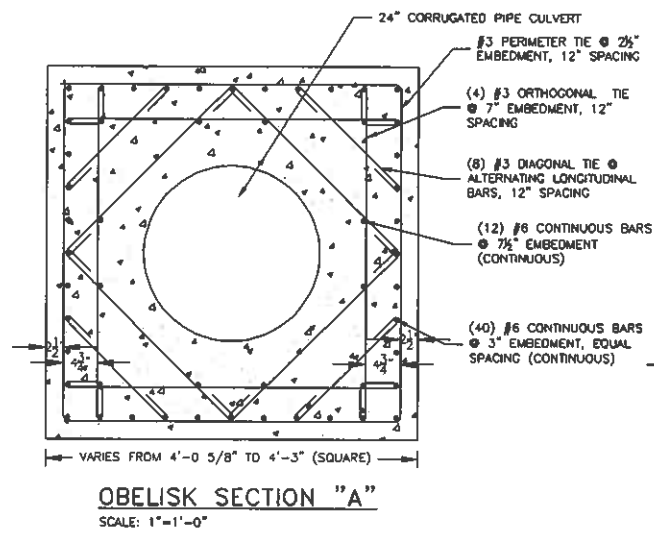
SUB-CONSULTANT	DATE	MD 04/30/13	BY	MD 04/30/13
	REVISION	PRELIMINARY DESIGN		
	ISSUED FOR REVIEW	B		
DRAWN	MD			
	CHECKED			
	APPROVED			



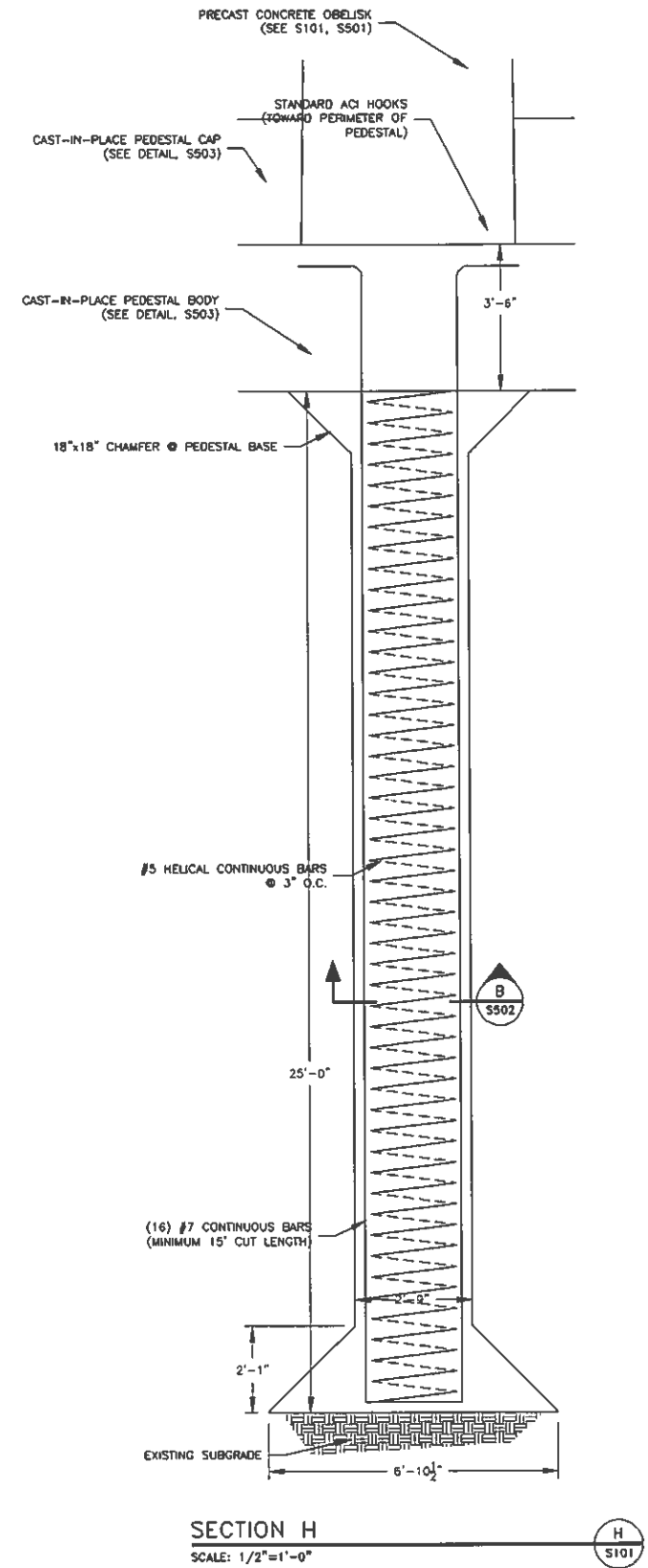
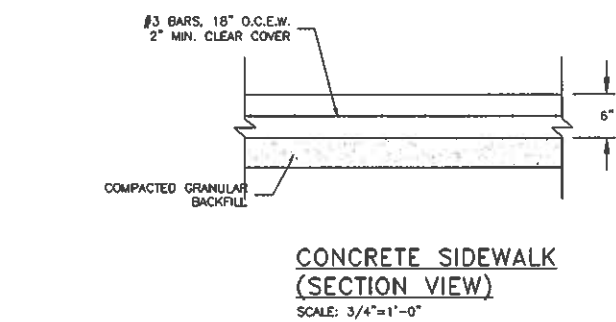
- VETERANS' ROSTERS ON EACH MONUMENT BASE WALL
1. COAST GUARD
  2. MARINES
  3. NAVY
  4. ARMY
  5. AIR FORCE
- OBELISK
- PLAN VIEW

[illegible]

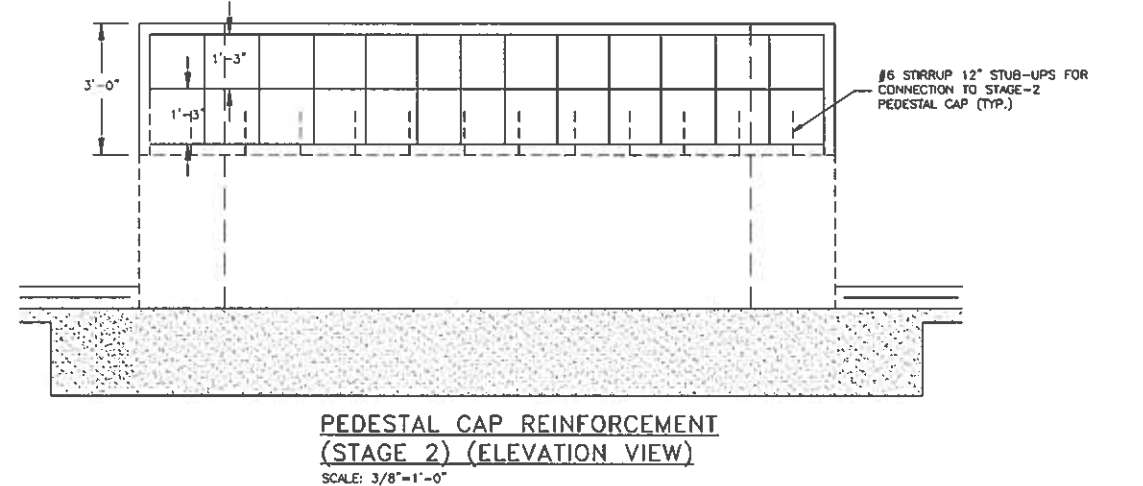
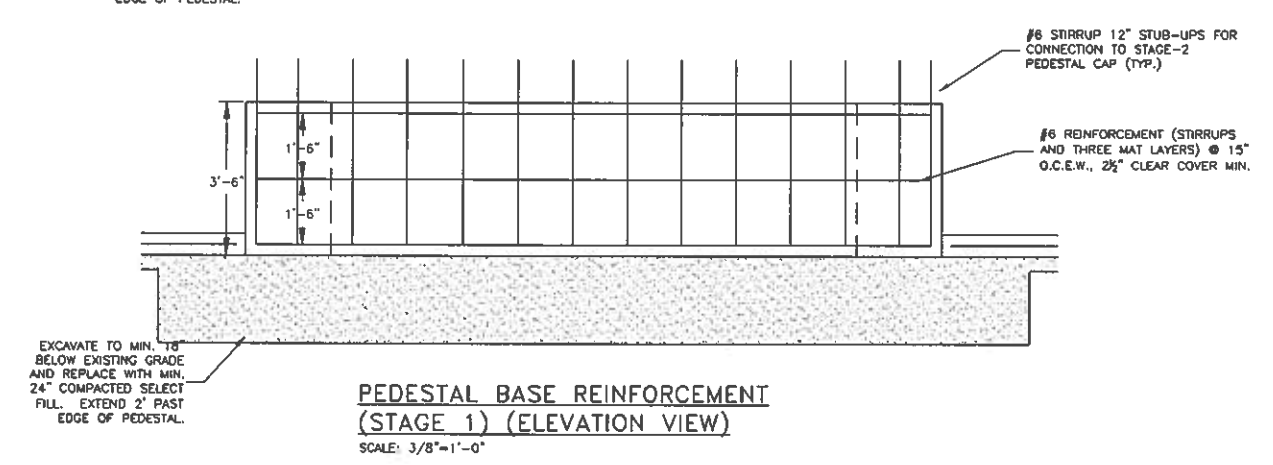
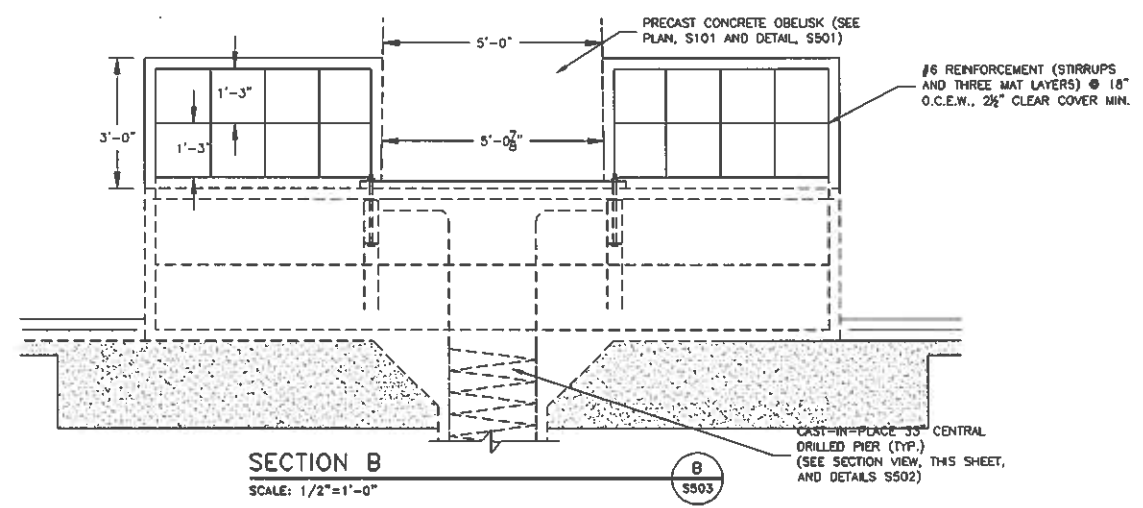
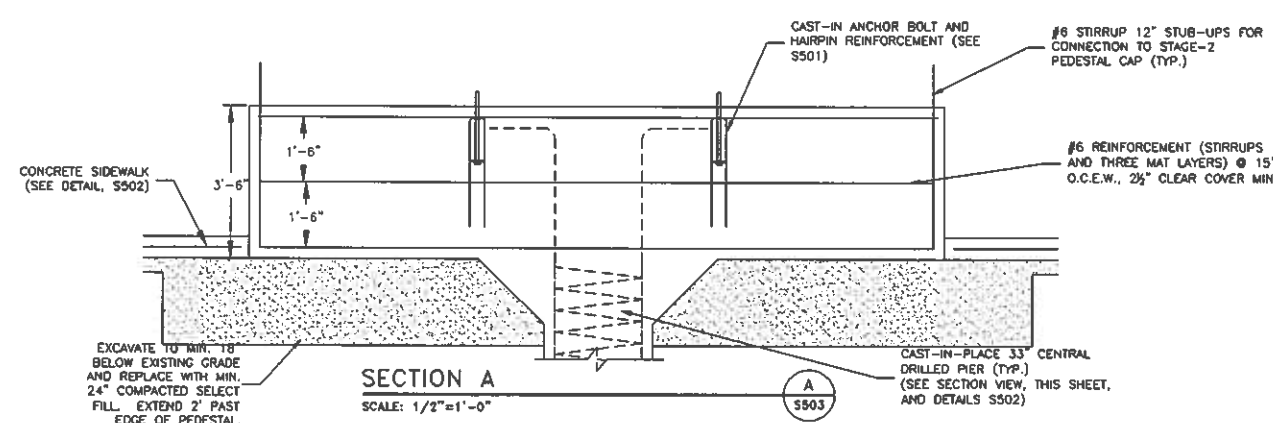
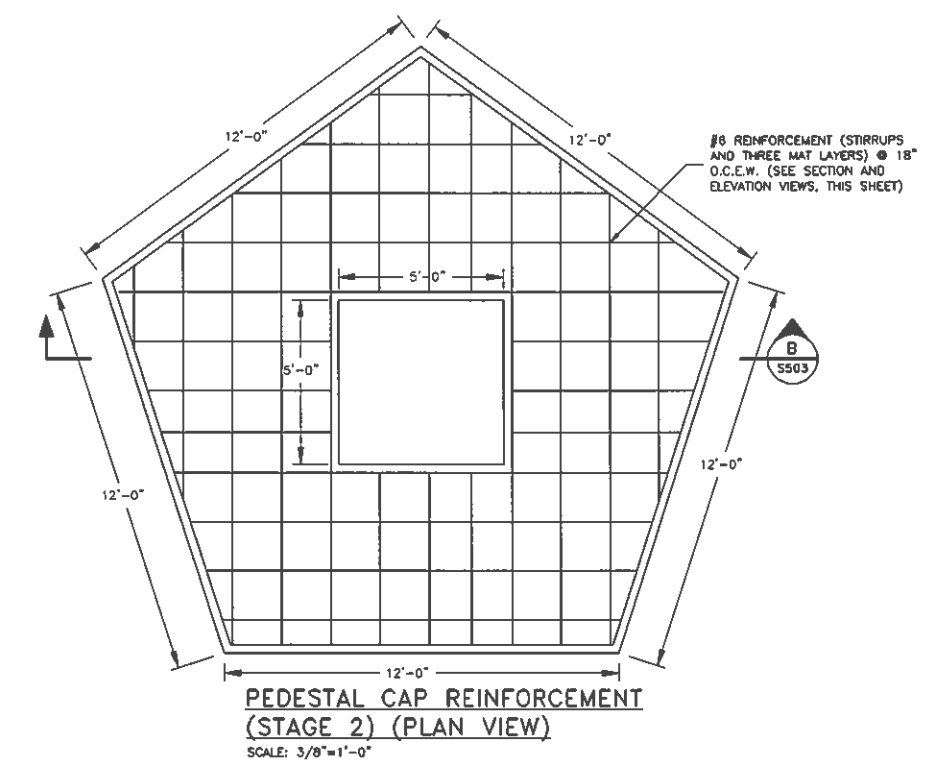
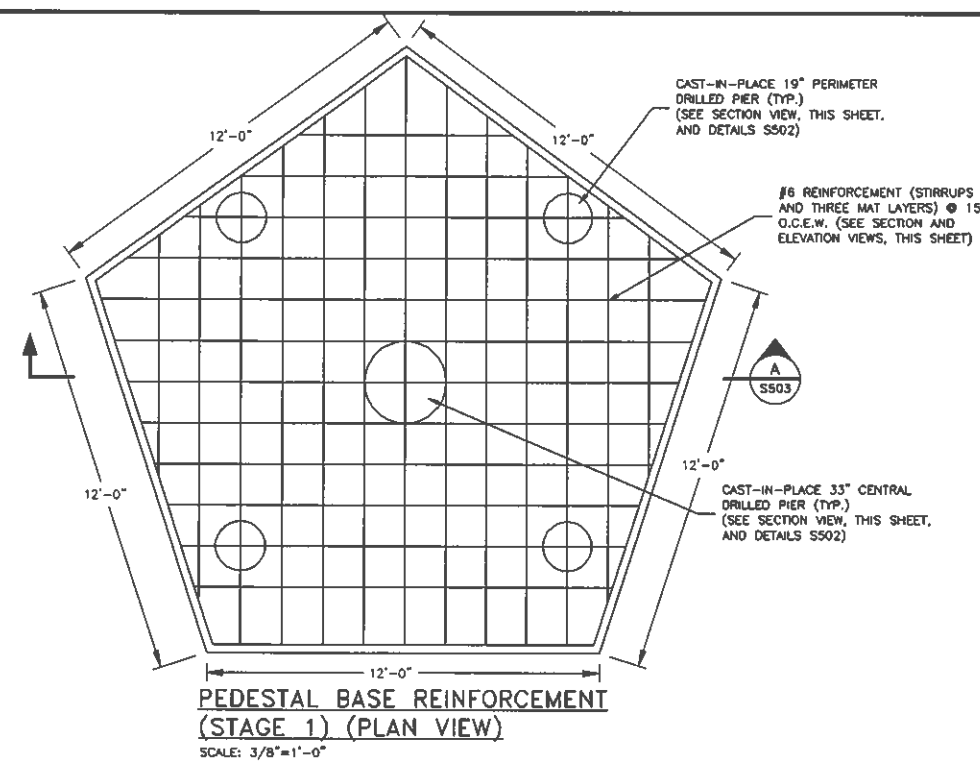




FREEDOM PARK OBELISK				REVISION	B
STRUCTURAL DETAILS				SHEET	S501
SCALE	AS SHOWN	LATEST DATE	07/30/13	PROJECT NUMBER	ANSI D
DATE	07/30/13	BY	MD	DATE	07/30/13
ISSUED FOR REVIEW	MD	07/30/13	MD	07/30/13	MD
PRELIMINARY DESIGN	MD	07/30/13	MD	07/30/13	MD
REVISION	MD	07/30/13	MD	07/30/13	MD
NO.					

[illegible]





FREEDOM PARK OBELISK				REVISION	B
STRUCTURAL DETAILS				SHEET	S503
				PROJECT NUMBER	
				SIZE	ANSI D
				LATEST DATE	07/30/13
				SCALE	AS SHOWN
DRAWN	MD				
CHECKED					
APPROVED					
SUB-CONSULTANT					
ISSUED FOR REVIEW	MD	07/30/13			
PRELIMINARY DESIGN	MD	04/30/13			
REVISION					
NO.					