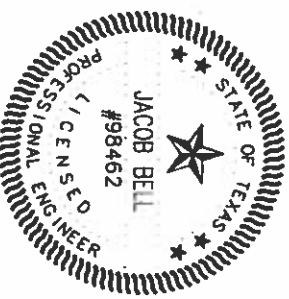


INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
1A	INDEX OF SHEETS
2, 2A-2D	GENERAL NOTES
3	ESTIMATE AND QUANTITY
4	SUMMARY OF QUANTITIES
5	SITE LAYOUT PLAN
6-7	HARDSCAPE PLANS
8-10	HARDSCAPE DETAILS
11-13	STRUCTURAL DETAILS
14	LANDSCAPE PLANS
15	LANDSCAPE DETAILS
16-17	PLANTING AND ESTABLISHMENT
18	SW3P
19	EPIC
20-31	*BC(1)-14 THRU BC(12)-14
32	*TCP(2-1)-12
33-42	*TA-BMP
43	*EC(1)-09



*THE STANDARD SHEETS SPECIFICALLY IDENTIFIED ABOVE HAVE BEEN ISSUED BY ME AND ARE APPLICABLE TO THIS PROJECT.

Jacob Bell
PE

4/8/2015



**KILLEEN GATEWAY
MONUMENT AT S.H. 195**
KILLEEN, TEXAS

INDEX OF SHEETS

NO.	REV.	DESCRIPTION	DATE	BY
1	A			
2	A			
3	A			
4	A			

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INCORPORATED



LANDSCAPE ARCHITECTURE PLANNING
150 EAST FAYE BOULEVARD
SUITE 300 TULSA, OK 74114

CHARACTER	STATE	COUNTY	SECTION	JOB	SHEET NO.
DESIGN	TEXAS	WACO	BELL	069	1A
CONTROL	02				

SUMMARY OF QUANTITIES

ITEM 0110 6001	EXCAVATION (ROADWAY)	ITEM 0160 6003	FURNISHING & PLACING TOPSOIL (4")	ITEM 0164 6054	BOND FIBR MTRX SEED (PERM) (RURAL) (SAND)	ITEM 0166 *	FERTILIZER	ITEM 0168 6001	VEGETATIVE WATERING	ITEM 0192 6013	MULCH	ITEM 0192 6016	PLANT BED PREPARATION	ITEM 0192 6017	VEGETATION BARRIER	ITEM 0192 6027	PLANT MATERIAL (100 GAL) (TREE)	ITEM 0192 6028	PLANT MATERIAL (1 GAL) (SHRUB)	ITEM 0192 6030	PLANT MATERIAL (3 GAL) (SHRUB)	ITEM 0193 6001	PLANT MAINTENANCE	ITEM 0193 6006	VEGETATIVE WATERING
CY	193	SY	950	SY	4222	TON	0.16	MG	280	SY	617	SY	600	SY	270	EA	11	EA	978	EA	276	MO	9	MG	105

ITEM 0416 6001	DRILL SHAFT (18 IN)	ITEM 0416 6052	DRILL SHAFT (12 IN)	ITEM 0423 6004	RETAINING WALL (CONC BLOCK)	ITEM 0423 6006	RETAINING WALL (STONE)	ITEM 0432 6047	RIPRAP (MOWSTRIP) (6 IN)	ITEM 0506 6038	TEMPSEDMT CONT FENCE (INSTALL)	ITEM 0506 6039	TEMPSEDMT CONT FENCE (REMOVE)	ITEM 1002 6002	LANDSCAPE AMENITY (TY 1)	ITEM 1002 6003	LANDSCAPE AMENITY (TY 2)	ITEM 1005 6001	LOOSE AGGREGATE FOR GROUNDCOVER (TYPE 1)
LF	60	LF	40	SF	288	SF	288	CY	26	LF	895	LF	895	EA	1	EA	3	CY	26

* FOR CONTRACTOR'S INFORMATION ONLY.

FOR CONTRACTOR'S INFORMATION:

<p>ITEM 0160 6003 FURNISHING & PLACING TOPSOIL (4") INCLUDES: • SOIL AMENDMENT & FERTILIZER/COMPOST IS SUBSIDIARY TO THIS ITEM</p> <p>ITEM 0166 FERTILIZER INCLUDES: • FERTILIZER FOR ALL SEEDED AREA (0164 6054) • SUBSIDIARY TO ITEM 164</p> <p>ITEM 0168 6001 VEGETATIVE WATERING • TO BE USED FOR THE FIRST 90 DAYS • THE WATERING OF TREE GATOR BAGS IS SUBSIDIARY TO THIS ITEM • TURF GRASS WATERING IS BASED ON 13,100 GAL/AC PER APPLICATION (2 TIMES PER WEEK FOR 8 WEEKS) • TURF GRASS WATERING IS BASED ON 13,100 GAL/AC PER APPLICATION (1 TIME PER WEEK FOR THE FOLLOWING 4 WEEKS) • PLANT AND TREE WATERING IS BASED ON 1/2 X PLANT GALLON SIZE PER PLANT (3 TIMES PER WEEK)</p> <p>ITEM 0192 6027 (PLANT MATERIAL) (100 GAL TREE) • TREE GATOR BAGS ARE SUBSIDIARY TO THIS ITEM (1 BAG PER TREE)</p>	<p>ITEM 0193 6006 VEGETATIVE WATERING • TO BE USED FOR 9 MONTHS AFTER THE FIRST 90 DAYS (0168 6001) • THE WATERING OF TREE GATOR BAGS IS SUBSIDIARY TO THIS ITEM • NO TURF GRASS WATERING • PLANT AND TREE WATERING IS BASED ON 1/2 X PLANT GALLON SIZE PER PLANT (2 TIMES PER WEEK)</p> <p>ITEM 1002 6002 LANDSCAPE AMENITY (TY 1) INCLUDES: • MONUMENT TOWER • SIGN FOOTING • SIGN CMU • SIGN STONE • TERRACED PLANTER WALL FOOTING</p> <p>ITEM 1002 6003 LANDSCAPE AMENITY (TY 2) INCLUDES: • SOLAR LIGHTING SYSTEM</p>
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KILLEEN GATEWAY MONUMENT AT S.H. 195
KILLEEN, TEXAS



SUMMARY OF QUANTITIES

COI	REV	DESCRIPTION	DATE	BY

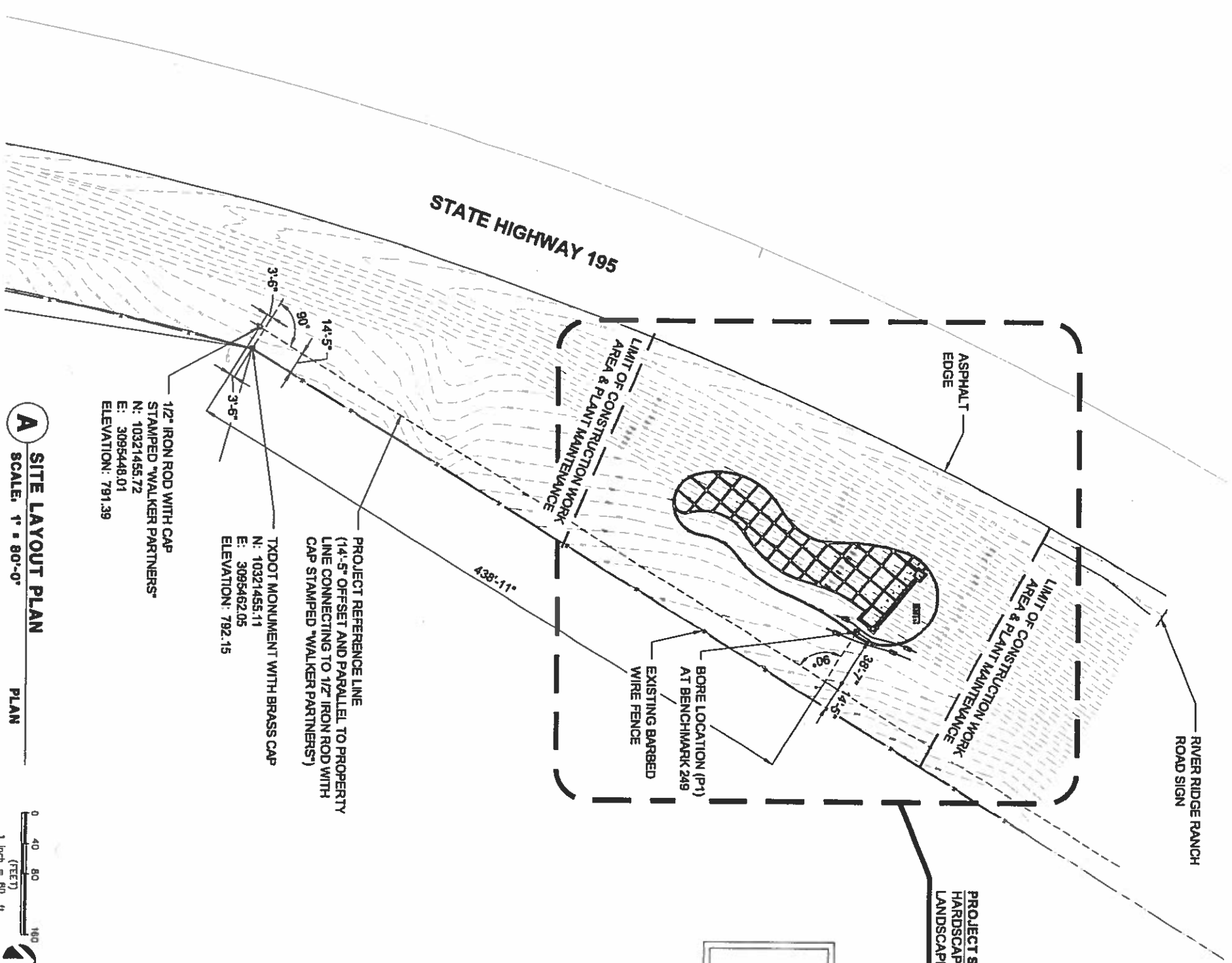
Texas Department of Transportation
2015

DAVID C. BALDWIN
INCORPORATED

DESIGN	TEXAS	FEDERAL AID PROJECT NO.	
CHECKS	6	STATE	SH 195
DRAWN	TEXAS	DISTRICT	BELL
DATE	08/36	SECTION	48
	02		069

CITY OF GEORGETOWN WATER LINE MAY BE PRESENT IN VICINITY OF CONSTRUCTION. LOCATE THIS UTILITY AND ALL UTILITIES PRIOR TO CONSTRUCTION. COORDINATE WITH ENGINEER TO RELOCATE PROPOSED FEATURES AS NECESSARY IN THE EVENT OF A UTILITY CONFLICT.

PROJECT SITE
LANDSCAPE PLAN - SHEET 6
LANDSCAPE PLAN - SHEET 14



A SITE LAYOUT PLAN

SCALE: 1" = 80'-0"

PLAN



KILLEEN GATEWAY MONUMENT AT S.H. 195
KILLEEN, TEXAS

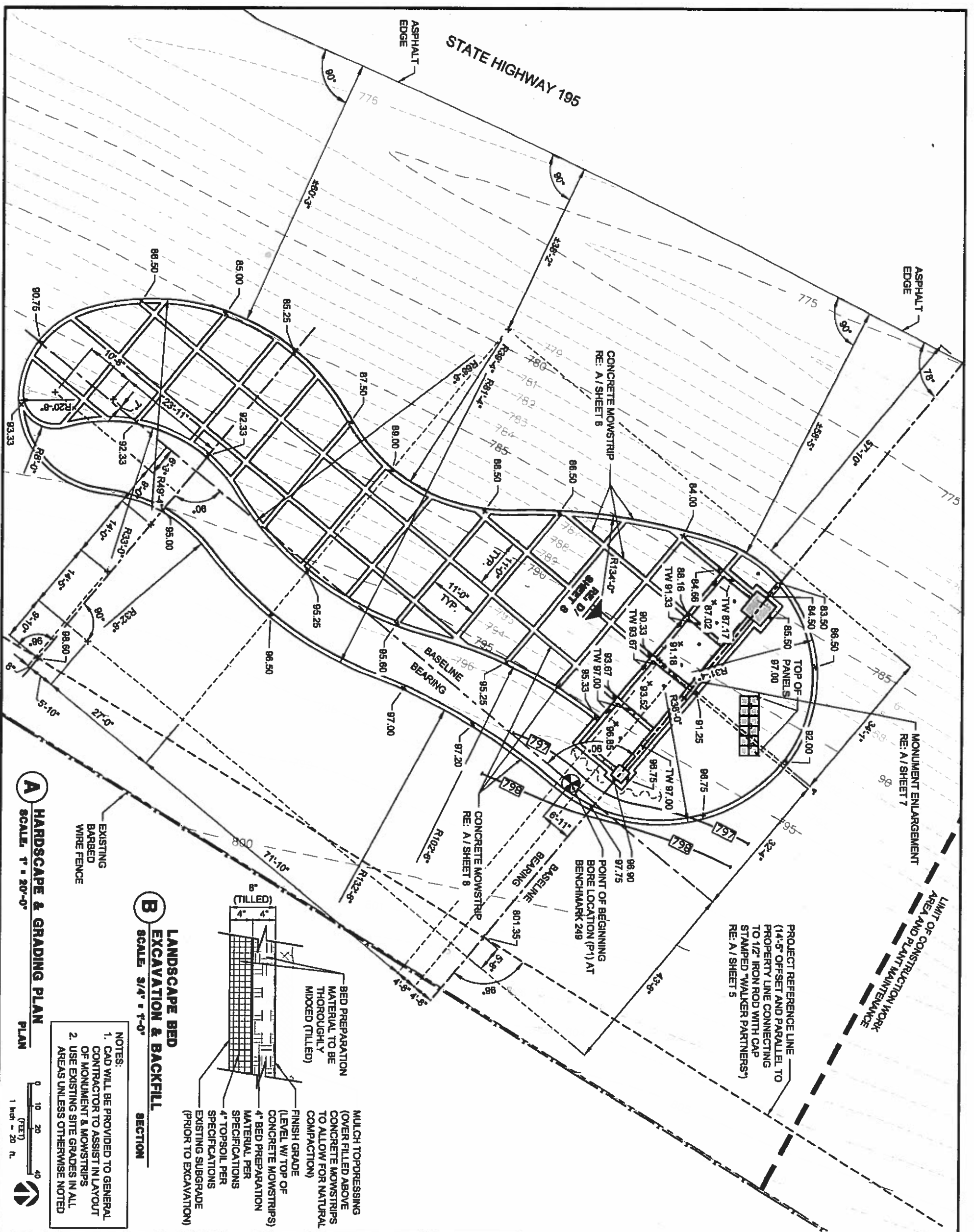
DAVID C. BALDWIN
INCORPORATED

303 EAST PEARL BOULEVARD
SUITE 300 FLORENCE, TX 75761

TEL: 805-328-8770
FAX: 805-328-8770

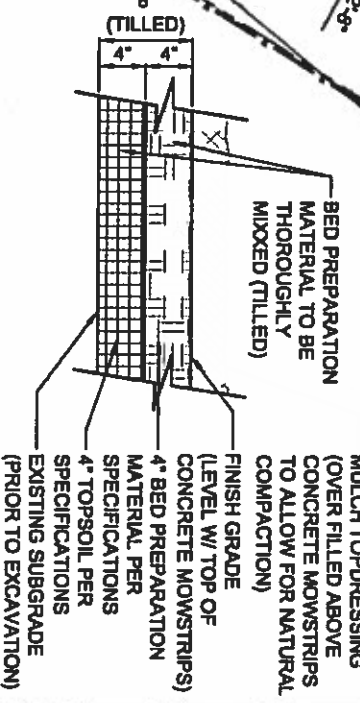
NO.	REV.	DESCRIPTION	DATE	BY
1				
2				

DESIGNER	6	DISTRICT	WACO	COUNTY	BELL	SHEET NO.	SH 195
STATE	TEXAS	DISTRICT	WACO	COUNTY	BELL	SHEET NO.	SH 195
SECTION	02	SECTION	02	SECTION	069	SHEET NO.	5

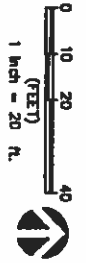


A HARDSCAPE & GRADING PLAN
SCALE: 1" = 20'-0"

B LANDSCAPE BED EXCAVATION & BACKFILL SECTION
SCALE: 3/4" = 1'-0"



NOTES:
1. CAD WILL BE PROVIDED TO GENERAL CONTRACTOR TO ASSIST IN LAYOUT OF MONUMENT & MOWSTRIPS
2. USE EXISTING SITE GRADES IN ALL AREAS UNLESS OTHERWISE NOTED



KILLEEN GATEWAY MONUMENT AT S.H. 195
KILLEEN, TEXAS

DAVID C. BALDWIN
INCORPORATED

LANDSCAPE ARCHITECTURE & PLANNING

1000 W. 19TH ST. SUITE 100
KILLEEN, TEXAS 76789
TEL: 254-343-1000
FAX: 254-343-1001

Taxas Department of Transportation
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DO NOT SCALE DRAWINGS FROM THIS PLAN. SEE NOTES.

NO.	REV.	DESCRIPTION	DATE	BY
1	A			
2	B			

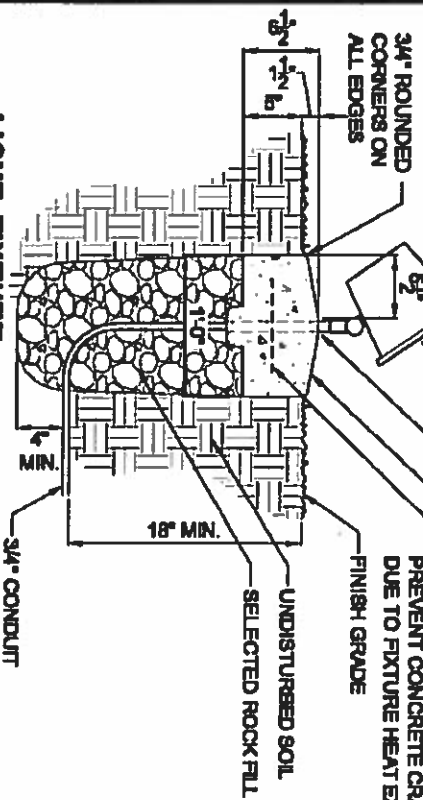
DATE	SECTION	QUANTITY	BY
08/30	02	059	

TURN-KEY LIGHTING SCHEDULE

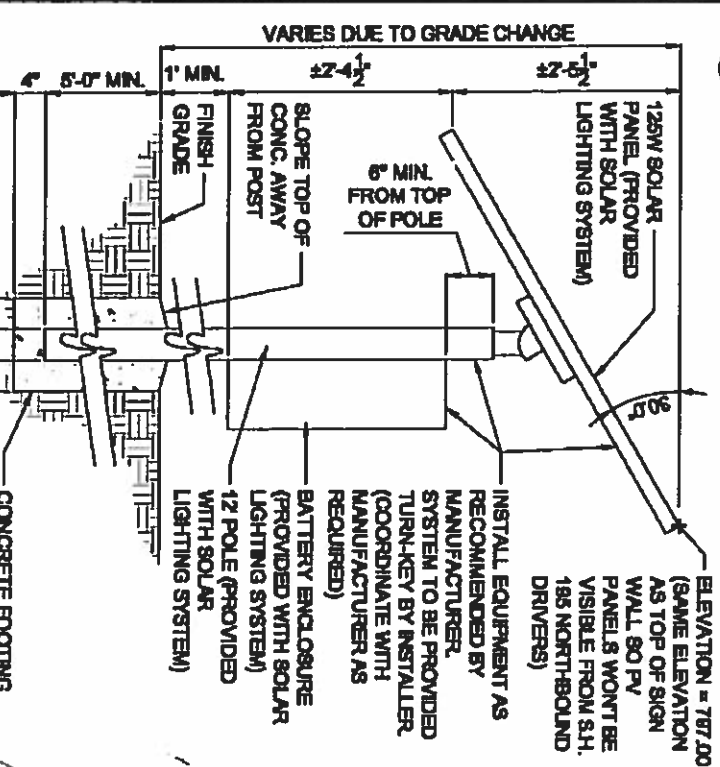
KEY	QTY.	MODEL NO. & DESCRIPTION	MANUFACTURER
SOLAR LIGHTING SYSTEM	3	SYSTEM DESCRIPTION (EACH): BL-3FL-FD1B-03-20-P12 RUN TIME: DUSK-DAWN (2) 125W PANELS AT 30 DEGREES (3) 20W FLOODLIGHT LED LUMINAIRES (3) 100 AMP-HOUR BATTERIES FOR 5 DAY BACKUP (1) LOCKING BATTERY BOX WITH CONTROL PLATE (1) SUNLIGHT-20 CONTROLLERS SET DUSK TO DAWN (1) 12" ALUMINUM EMBEDDED POLE ENTIRE SYSTEM POWDER COATED IN BLACK	SOL. NO. CONTACT: CAROL HORTON PHONE: 772-873-7822 OR APPROVED EQUAL

NOTE: LIGHTING NOTE: PROPOSED LIGHTING AND ASSOCIATED ELECTRICAL SERVICE TO BE PROVIDED TURN-KEY BY INSTALLER. COORDINATE WITH MANUFACTURER AS REQUIRED.

NOTE: CONCRETE TO EXTEND 5 1/2" FROM EDGE OF FIXTURE ON ALL SIDES, SLOPE AWAY FROM FIXTURE ON ALL SIDES, AND PROVIDE 3/4" ROUNDED CORNERS ON ALL EDGES.

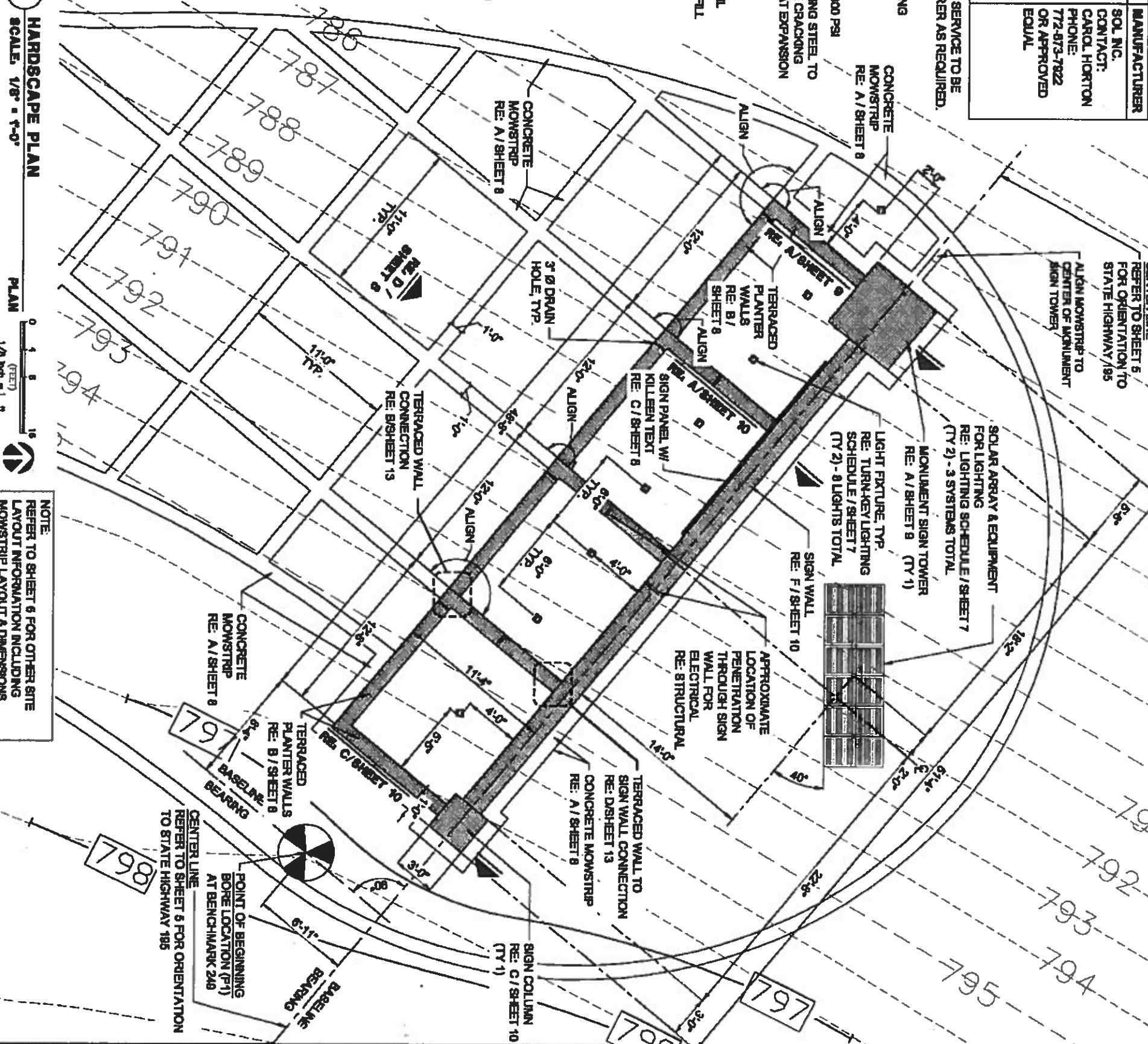


B LIGHT FIXTURE (ISOLAR POWERED) SECTION
SCALE: 3/4" = 1'-0"




C POLE FOOTING & ASSEMBLY SECTION
SCALE: 1/2" = 1'-0"

A HARDSCAPE PLAN
SCALE: 1/8" = 1'-0"



NOTE: REFER TO SHEET 6 FOR OTHER SITE LAYOUT INFORMATION INCLUDING MOWSTRIP LAYOUT & DIMENSIONS

KILLEEN GATEWAY MONUMENT AT S.H. 185
KILLEEN, TEXAS



3-25-15

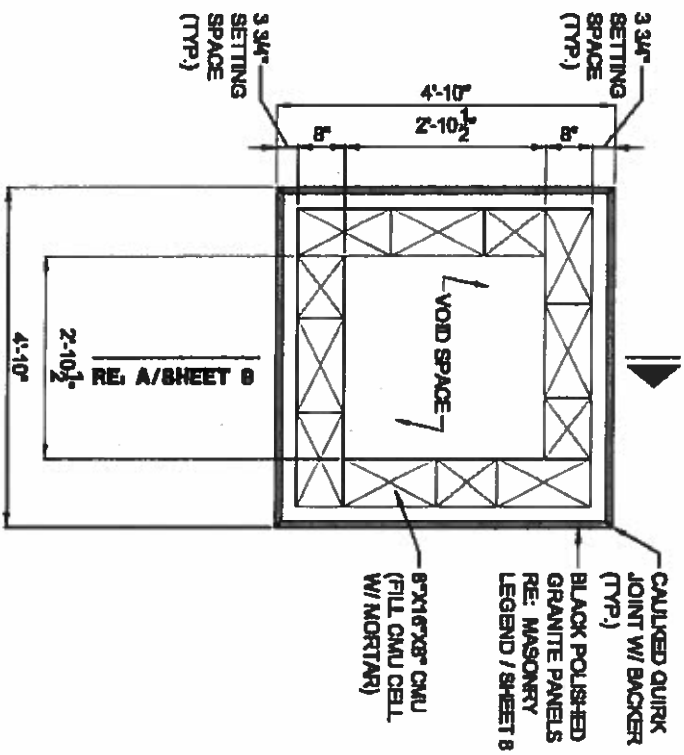
HARDSCAPE PLANS

NO.	REV.	DESCRIPTION	DATE	BY
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2	A			

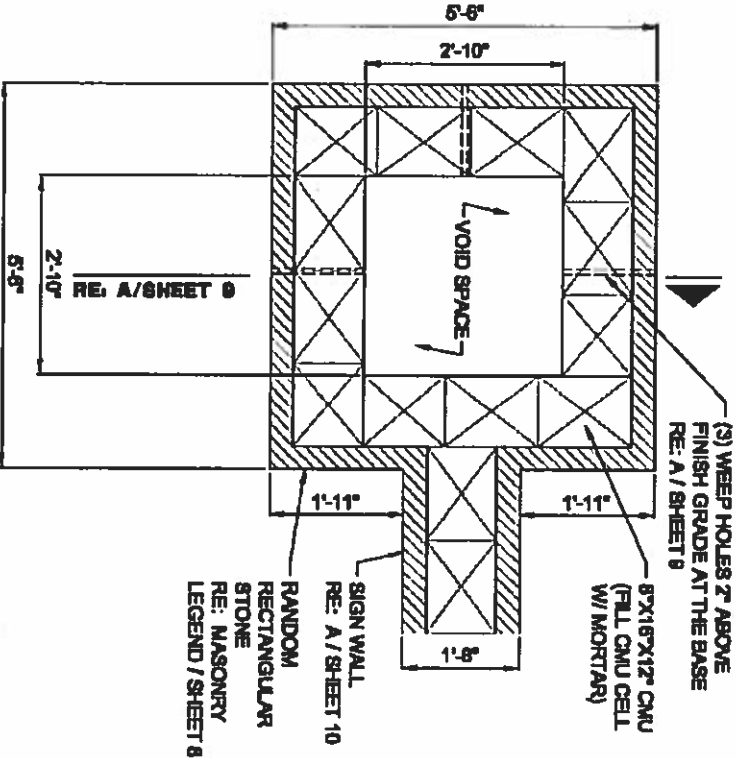
DAVID C. BALDWIN INCORPORATED
LANDSCAPE ARCHITECTS P.L.L.C.

2815
Texas Department of Transportation

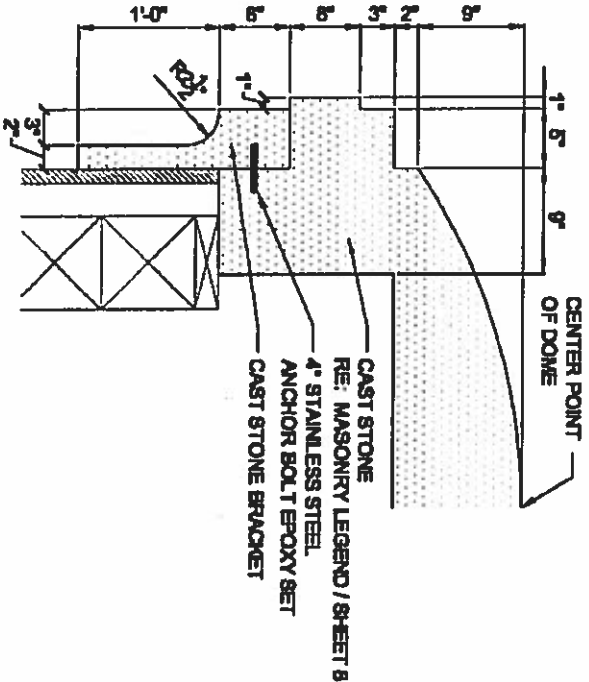
DATE	STATE	DISTRICT	PROJECT	SCALE	SHEET NO.	TOTAL SHEETS
08/31/15	TEXAS	WACO	BELL	1/8" = 1'-0"	7	7



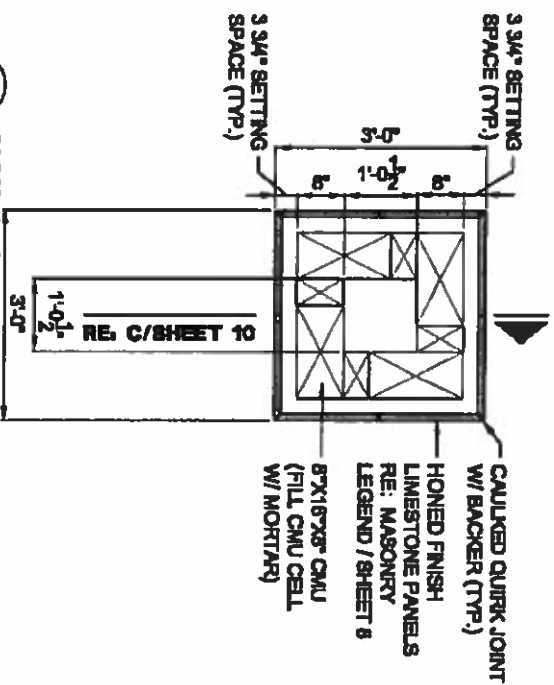
C MONUMENT SIGN TOWER SECTION
SCALE: 3/8" = 1'-0"



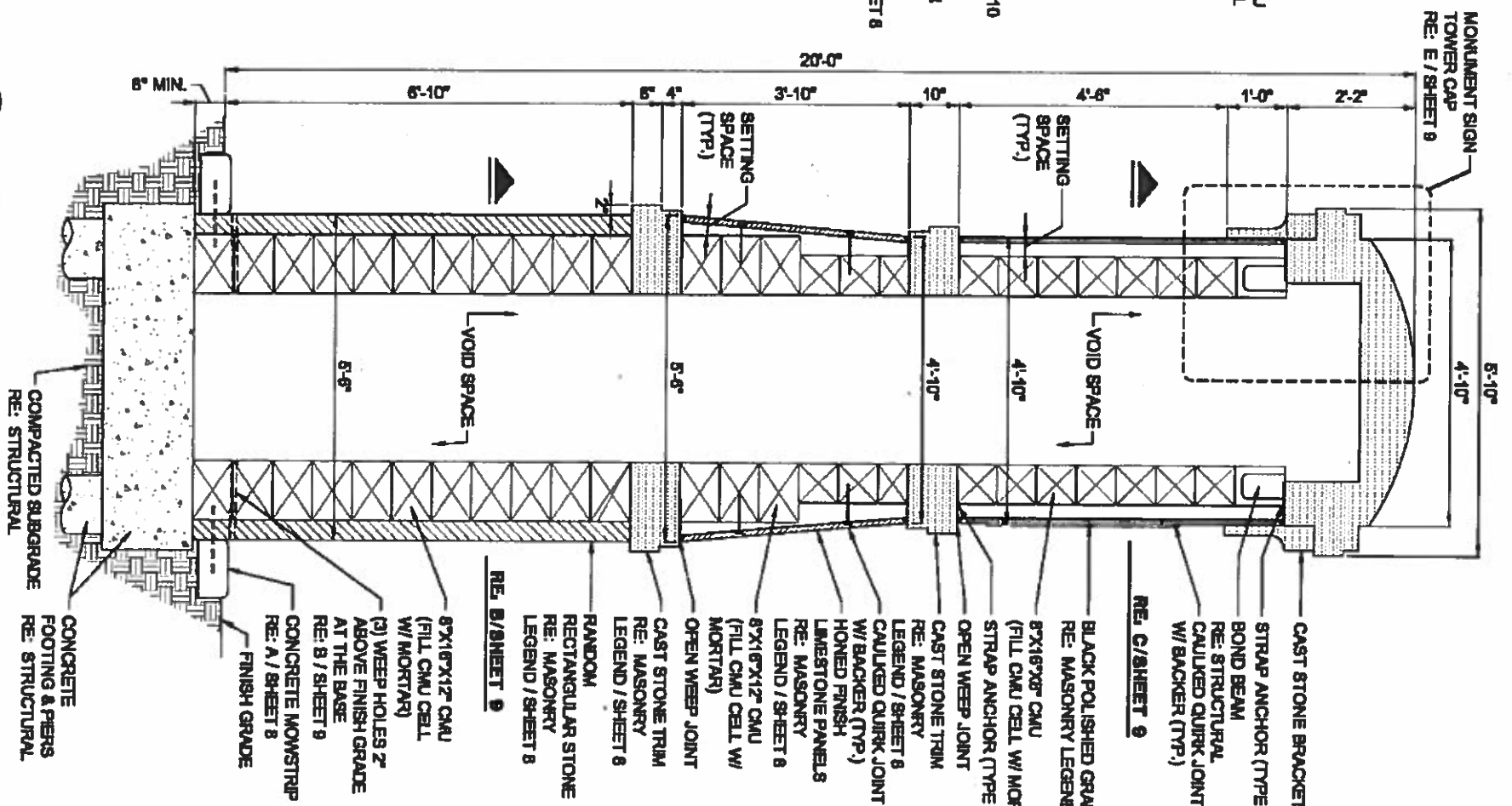
B MONUMENT SIGN TOWER SECTION
SCALE: 3/16" = 1'-0"



E MONUMENT SIGN TOWER CAP SECTION
SCALE: 3/4" = 1'-0"



D SIGN COLUMN SECTION
SCALE: 3/8" = 1'-0"



A MONUMENT SIGN TOWER SECTION
SCALE: 3/8" = 1'-0"



KILLEEN GATEWAY MONUMENT AT S.H. 195
KILLEEN, TEXAS



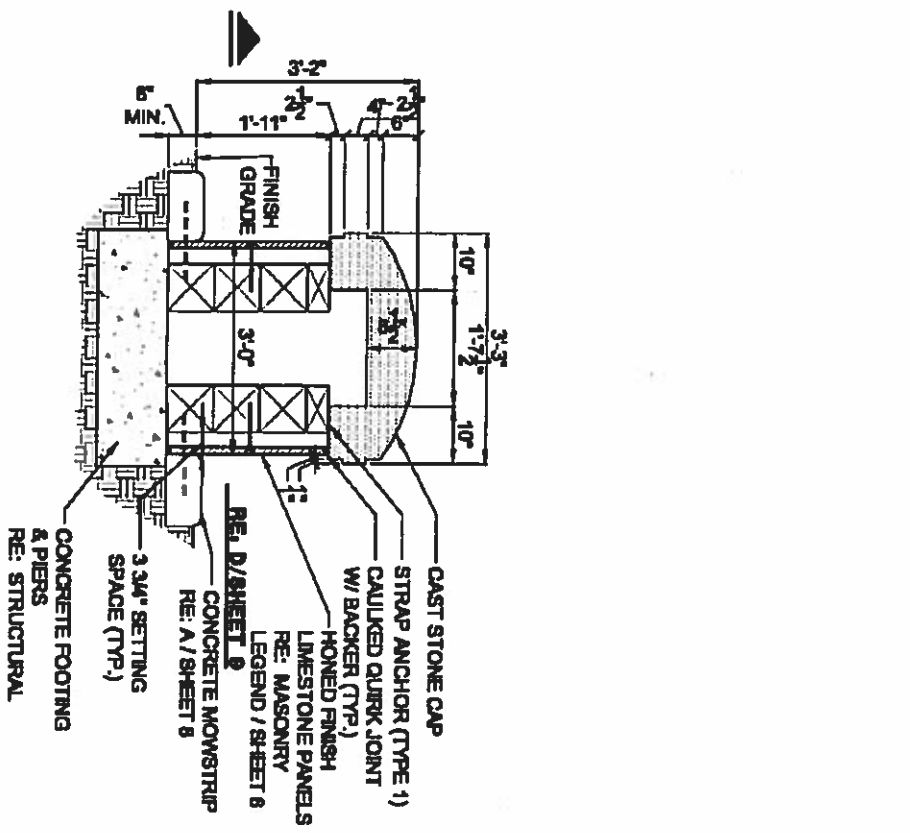
HARDSCAPE DETAILS

NO.	REV.	DESCRIPTION	DATE	BY
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02	A			

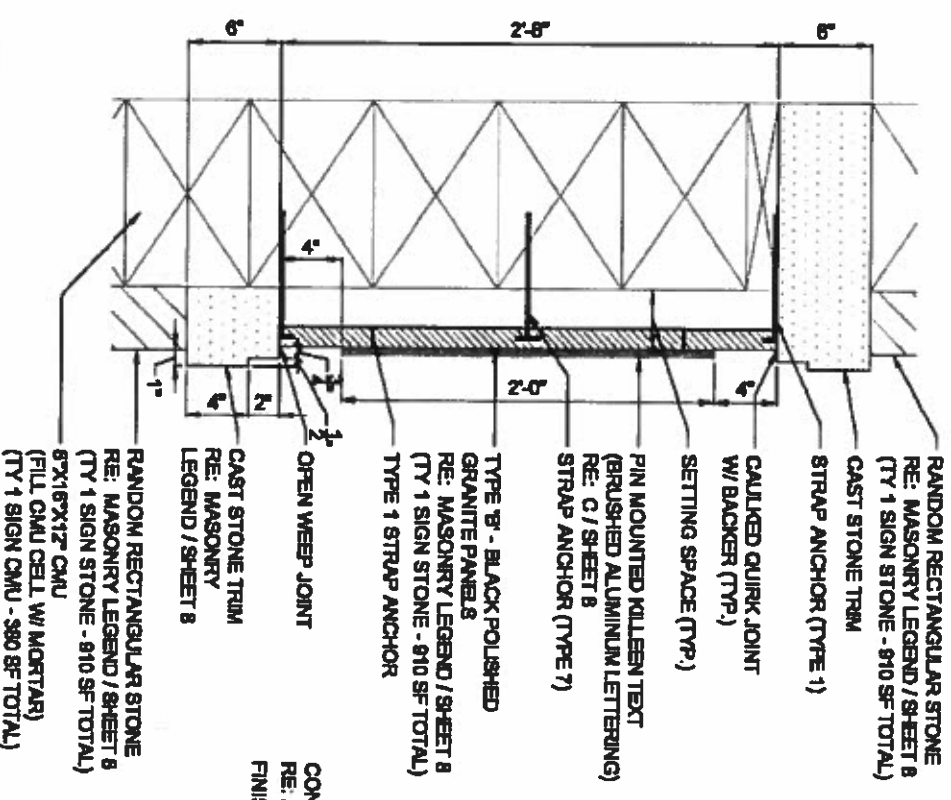
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INCORPORATED
Texas Department of Transportation
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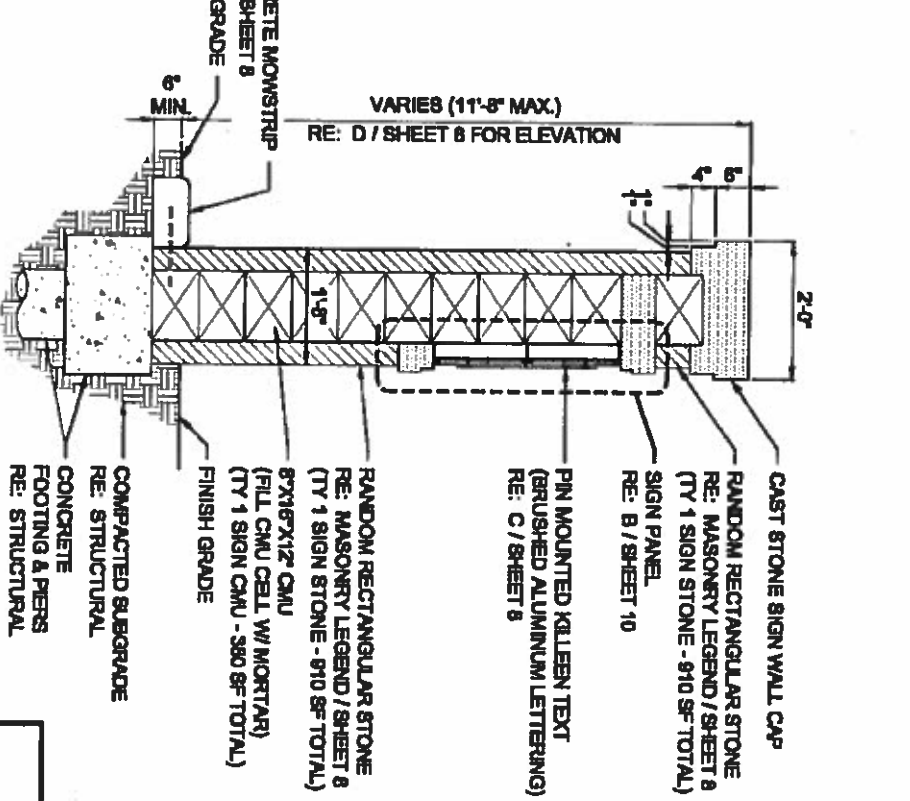
PROJECT	LANDSCAPE ARCHITECTURE PLANNING	SHEET NO.	SH 195
DATE	08/16	SCALE	AS SHOWN
DESIGNER	DAVID C. BALDWIN	CHECKED	DAVID C. BALDWIN
DRAWN	DAVID C. BALDWIN	DATE	08/16



C SIGN COLUMN
SCALE: 3/8" = 1'-0"
SECTION



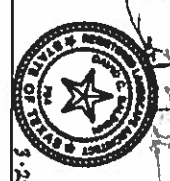
B SIGN PANEL
SCALE: 1" = 1'-0"
SECTION



A SIGN WALL
SCALE: 3/8" = 1'-0"
SECTION



**KILLEEN GATEWAY
MONUMENT AT S.H. 195**
KILLEEN, TEXAS



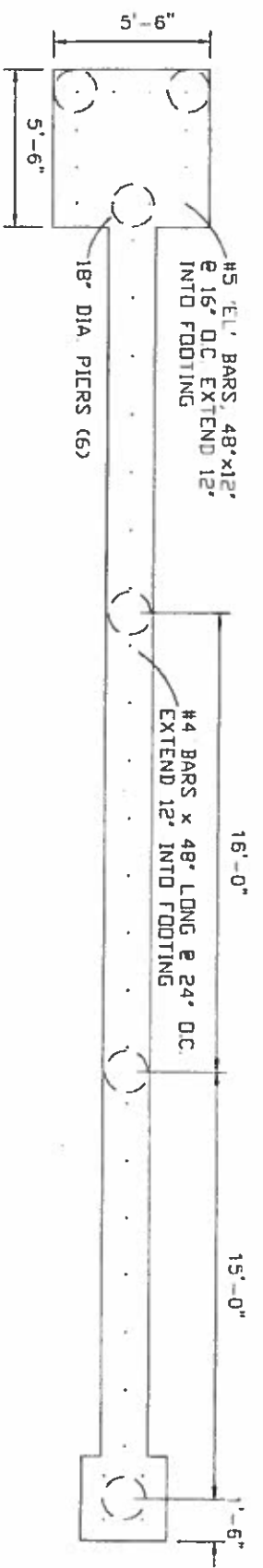
HARDSCAPE DETAILS

NO.	REV.	DESCRIPTION	DATE	BY
1	A			
2	A			

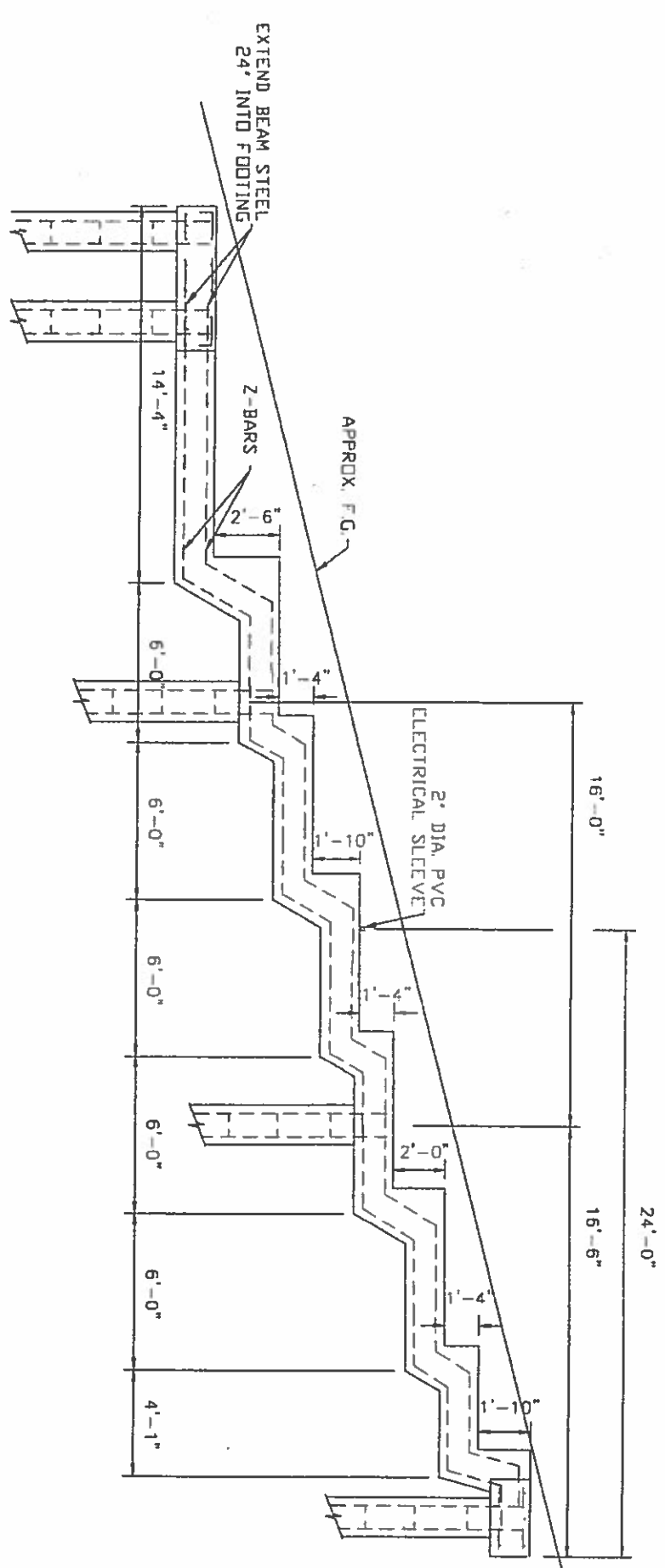
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CLIENT	PROJECT	DATE	BY
LA BACA P&A ARCHITECTURAL PLANNING	LA BACA P&A ARCHITECTURAL PLANNING	SH 195	DB
STATE	COUNTY	CITY	ZIP
TEXAS	WACO	BELL	76798
DRAWN	CHECKED	DATE	
DB	ZB	06/30/15	
06/30/15	02	06/30/15	



A SIGN FOUNDATION PLAN
1-6/05



B SIGN FOUNDATION SECTION
1-6/05

NOTE: DETAILS ARE FOR STRUCTURAL REFERENCE ONLY.
SEE ARCHITECT PLANS FOR APPEARANCE & DIMENSIONS



**KILLEEN GATEWAY
MONUMENT AT S.H. 195**
KILLEEN, TEXAS

APPROVED
COUNTY CLERK
COUNTY OF TARRANT
STATE OF TEXAS
7/23/05
3/25/15

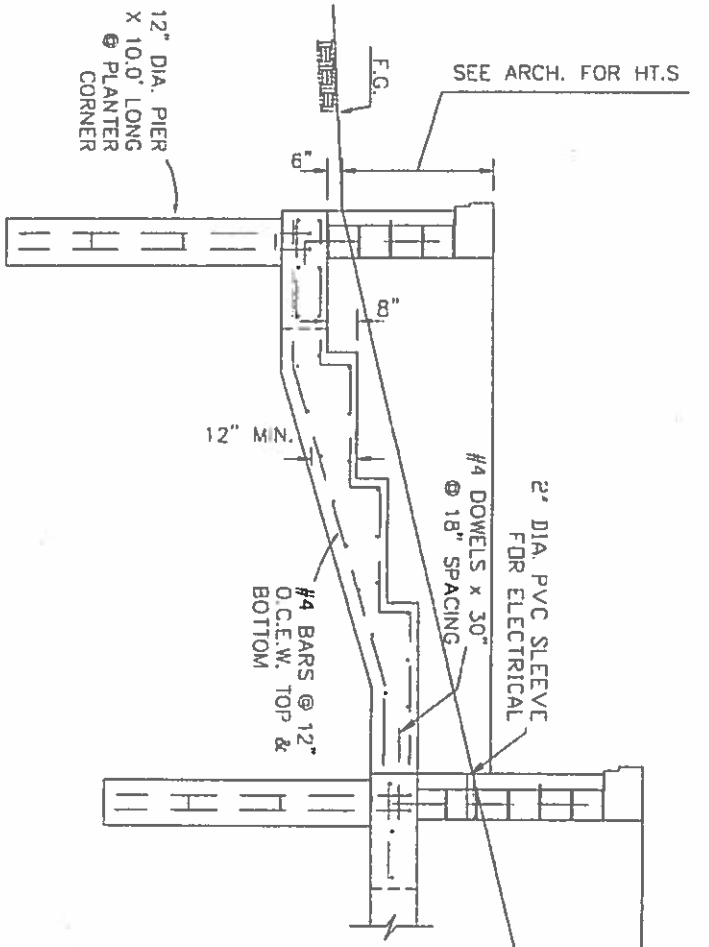
STRUCTURAL DETAILS

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2	A			

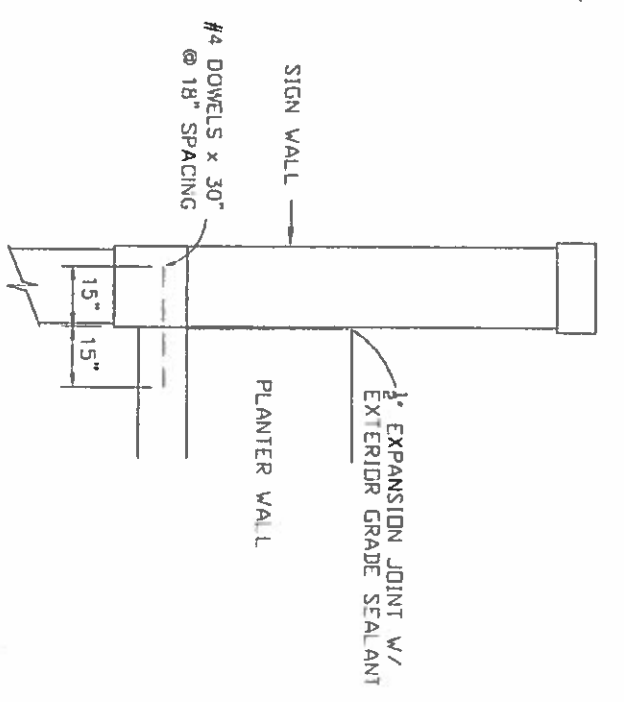
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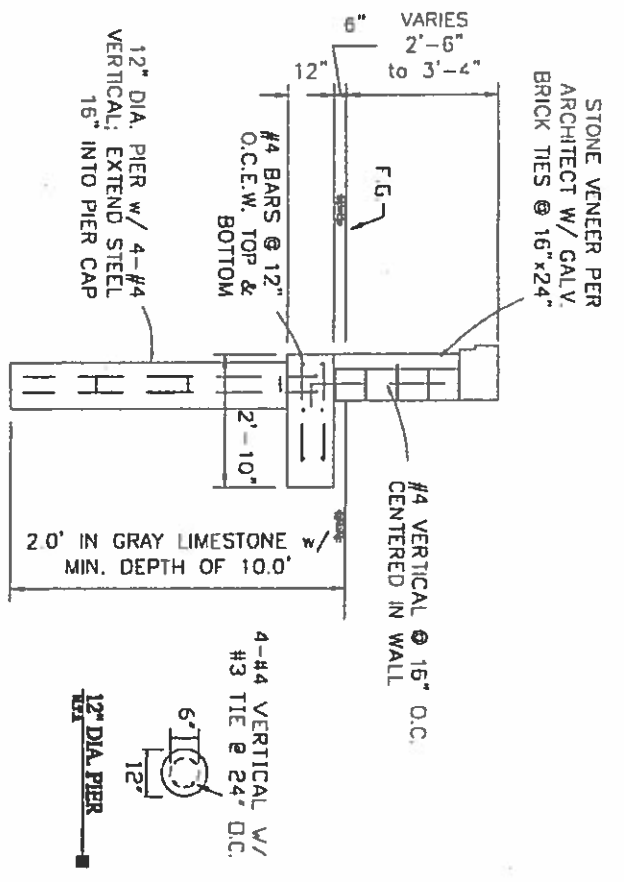
REGION	DCB1	STATE	TEXAS	COUNTY	WACO	BILL	02	12
PROJECT	08316	SECTION	02	069				



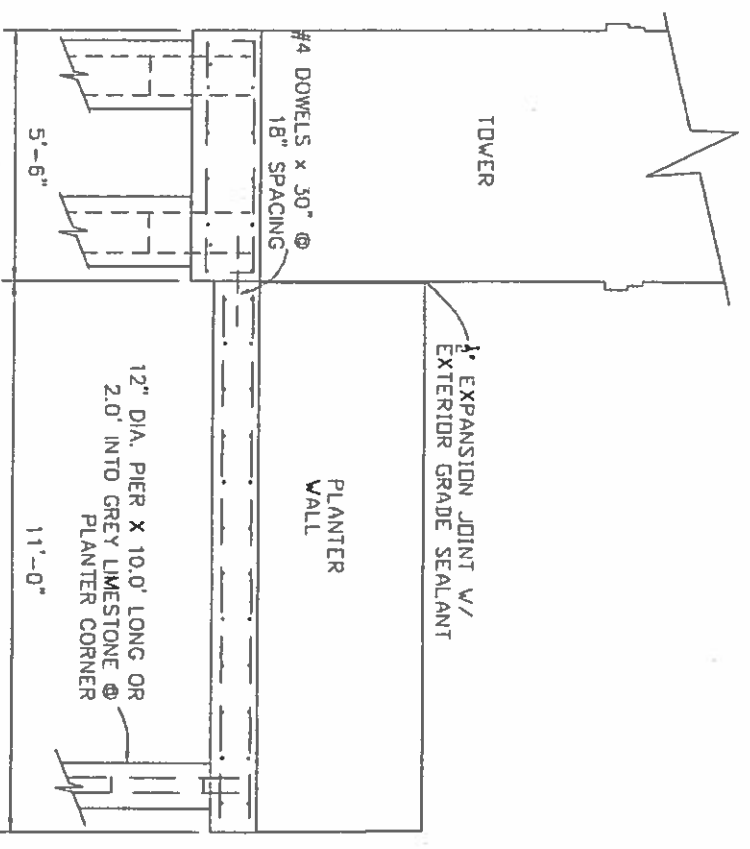
B
PARTIAL PLANTER ELEVATION
NTS



D
PLANTER TO SIGN WALL CONNECTION
NTS




A
PLANTER WALL SECTION
NTS



C
TOWER / PLANTER SIDE ELEVATION
NTS

NOTE: DETAILS ARE FOR STRUCTURAL REFERENCE ONLY.
SEE ARCHITECT PLANS FOR APPEARANCE & DIMENSIONS.



KILLEEN GATEWAY MONUMENT AT S.H. 195
KILLEEN, TEXAS

DAVID C. BALDWIN
INCORPORATED

LANDSCAPE ARCHITECTURE & PLANNING

700 EAST PEARL STREET, SUITE 100, KILLEEN, TEXAS 76734
TEL: (817) 336-1888 FAX: (817) 336-1889

Texas Department of Transportation
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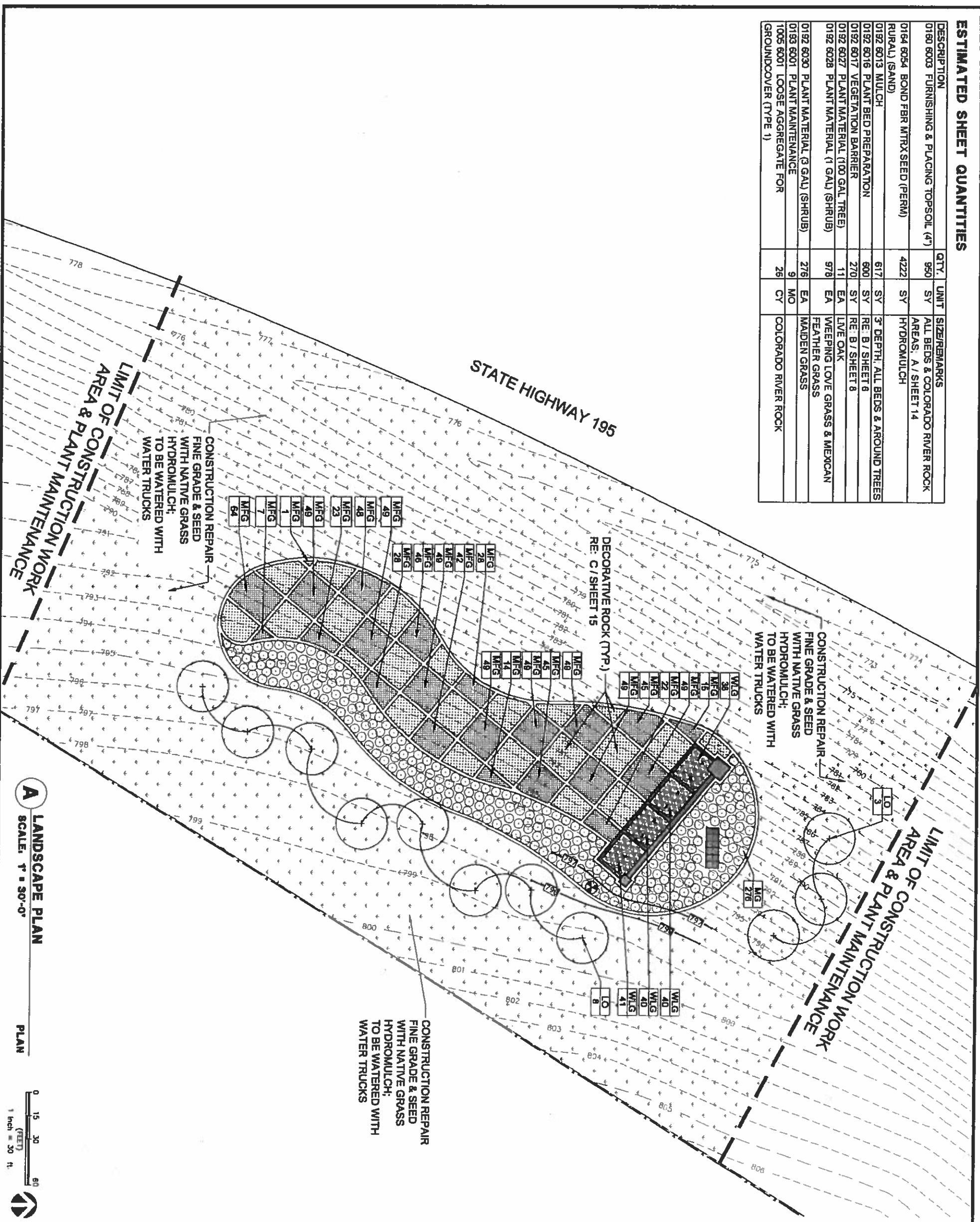
CONTRACT NO. 71343
PROJECT NO. 009

DATE: 02/09/15

BY: [Signature]

NO.	REV.	DESCRIPTION	DATE	BY
1	A			
2	B			
3	C			
4	D			
5	E			
6	F			
7	G			
8	H			
9	I			
10	J			
11	K			
12	L			
13	M			

DESCRIPTION	QTY.	UNIT	SIZE/REMARKS
0190 6003 FURNISHING & PLACING TOPSOIL (4")	950	SY	ALL BEDS & COLORADO RIVER ROCK AREAS, A / SHEET 14
0194 6054 BOND FBR MTRX SEED (PERM) RURAL) (SAND)	4222	SY	HYDR MULCH
0192 6013 MULCH	617	SY	3" DEPTH, ALL BEDS & AROUND TREES
0192 6016 PLANT BED PREPARATION	600	SY	RE: B / SHEET 8
0192 6017 VEGETATION BARRIER	270	SY	RE: B / SHEET 8
0192 6027 PLANT MATERIAL (100 GAL TREE)	11	EA	LIVE OAK
0192 6028 PLANT MATERIAL (1 GAL) (SHRUB)	978	EA	WEEPING LOVE GRASS & MEXCAN FEATHER GRASS
0192 6030 PLANT MATERIAL (3 GAL) (SHRUB)	276	EA	MAIDEN GRASS
0193 6001 PLANT MAINTENANCE	9	MO	
1005 6001 LOOSE AGGREGATE FOR GROUND COVER (TYPE 1)	26	CY	COLORADO RIVER ROCK



A LANDSCAPE PLAN
SCALE: 1" = 30'-0"



DAVID C. BALDWIN
INCORPORATED

200 LAKE PARK BOULEVARD
SUITE 200 FARMERS, TEXAS 76104

2025-2026 REPORTING PERIOD

KILLEEN GATEWAY MONUMENT AT S.H. 195
KILLEEN, TEXAS

3.25.15

NO.	REV.	DESCRIPTION	DATE	BY
1	A			
2	A			

OWNER	STATE	DISTRICT	COUNTY	PROJECT NO.	DATE
DESIGNER	TEXAS	WACO	BELL	SH 195	3.25.15
CHECKER	0835	02	069	14	

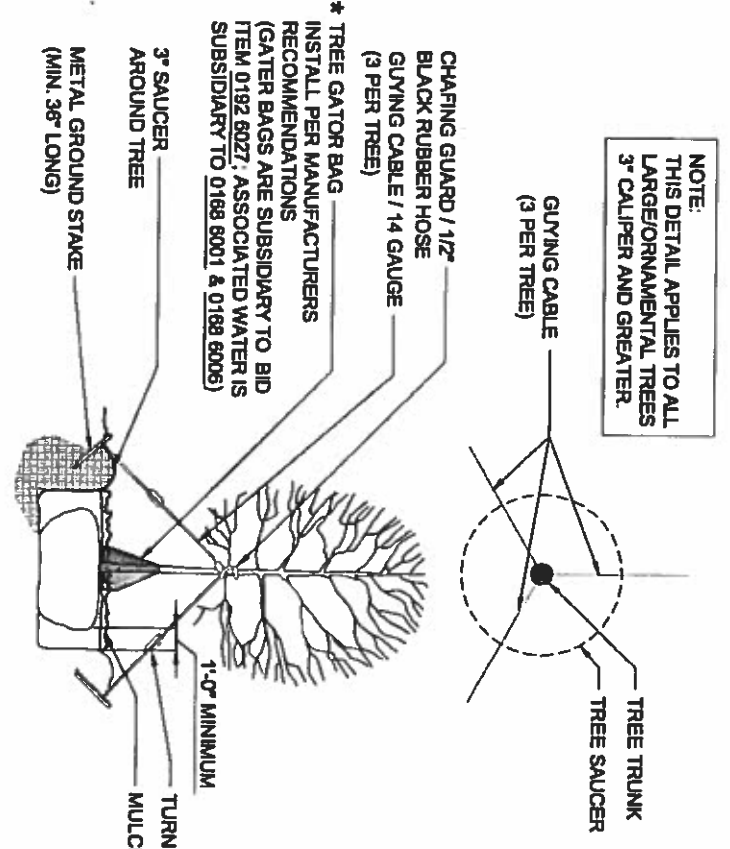
PLANT LIST

KEY	QUANTITY (LANDSCAPE ARCHITECTS ESTIMATE ONLY)	COMMON NAME	BOTANICAL NAME	SIZE	REMARKS
LO	11	LIVE OAK	Quercus virginiana	100 gallon, minimum 4" caliper x 16' height x 6' spread	Container-grown, full head branching at ± 6' matched
M/G	276	MAIDEN GRASS	Miscanthus sinensis	3 gallon, minimum 12" height x 12" spread	Full; plant 42" o.c.
MFG	819	MEXICAN FEATHERGRASS	Stipa tenuissima	1 gallon, minimum 8" height x 8" spread	Full; plant 18" o.c.
WLG	159	WEeping LOVE GRASS	Eragrostis curvula	1 gallon, minimum 8" height x 8" spread	Full; plant 18" o.c.

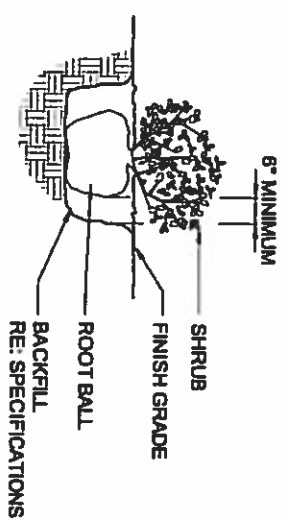
LANDSCAPE GENERAL NOTES:

- QUANTITIES SHOWN ON PLANT LIST ARE LANDSCAPE ARCHITECTS ESTIMATE ONLY AND SHOULD BE VERIFIED PRIOR TO BIDDING. CONTRACTOR WILL BE RESPONSIBLE FOR BIDDING AND PROVIDING QUANTITY OF PLANTS REQUIRED AT SPACING DESIGNATED FOR BED SIZES AND CONFIGURATIONS SHOWN ON PLANS REGARDLESS OF QUANTITIES DESIGNATED ON PLANT LIST.
- CONTRACTOR WILL NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES, AMBIGUITY, OR UNLABELED PLANTS ON PLANS PRIOR TO BID SUBMITTAL. IF DISCREPANCY, AMBIGUITY, OR UNLABELED PLANT IS NOT CLARIFIED BY LANDSCAPE ARCHITECT PRIOR TO BID SUBMITTAL DATE, CONTRACTOR WILL NOTE SUCH ITEM ON BID.
- CONTRACTOR WILL PROVIDE REPRESENTATIVE SAMPLES OF SHRUB AND GROUND COVER STOCK FOR LANDSCAPE ARCHITECTS AND/OR OWNERS APPROVAL PRIOR TO MAJOR SHIPMENT OF MATERIALS TO SITE. IF REPRESENTATIVE SAMPLES CANNOT BE PROVIDED, CONTRACTOR WILL FURNISH GOOD QUALITY PHOTOGRAPH OF LANDSCAPE MATERIALS TO LANDSCAPE ARCHITECT AND/OR OWNERS. PHOTOGRAPHS WILL HAVE A MEANS OF DETERMINING SCALE AND SIZE OF MATERIALS WITHIN THE PHOTOGRAPH (I.E. FIELD POLE WITH ONE FOOT INCREMENT FOR TREES).
- AFTER TILLAGE AND CLEANING, ALL AREAS TO BE GRASSED WILL BE LEVELED, AND FINE GRADED. THE REQUIRED RESULT WILL BE THE ELIMINATION OF RUTS, DEPRESSIONS, HUMPS, AND OBJECTIONABLE SOIL CLODS. DURING THE SOIL PREPARATION PROCESS, A "ROCK PICK" OR "ROCK RAKE" WILL BE USED TO GATHER SURFACE STONES AS SMALL AS ONE INCH (1") IN DIAMETER.
- CONTRACTOR WILL GUARANTEE A FULL STAND OF GRASS, REGARDLESS OF WHETHER A PERMANENT LANDSCAPE IRRIGATION SYSTEM IS INSTALLED. CONTRACTOR WILL PROVIDE TEMPORARY IRRIGATION OR HAND WATER AS REQUIRED FOR TURF ESTABLISHMENT.
- SOIL AMENDMENT: "A PROFESSIONAL BEDDING SOIL," AS PRODUCED BY LIVING EARTH TECHNOLOGIES, INC., 1808 W. NORTHWEST HIGHWAY, DALLAS, TEXAS (PHONE: 214-869-4332) OR "NATURAL T. L. COMPOST" AS PRODUCED BY SOIL BUILDING SYSTEMS, INC., 1770 "Y" STREET, DALLAS, TEXAS (PHONE: 972-831-8187), OR APPROVED EQUAL. (SOIL AMENDMENT & FERTILIZER/COMPOST IS SUBSIDIARY TO ITEM 0160 6003 FURNISHING & PLACING TOPSOIL (4"))
- TREE HOLES TO BE EXCAVATED 2' GREATER THAN BALL DIAMETER AND 6" DEEPER.
- TREE BACKFILL SHOULD BE COMPOSED OF 5 PARTS OF EXISTING SOIL EXCAVATED FROM THE HOLE TO ONE PART SOIL AMENDMENT, THOROUGHLY MIXED WITH 5 LBS. PER CUBIC YARD BACKFILL FERTILIZER (13.13.13 ANALYSIS BULK FERTILIZER). TREE BACKFILL TO BE MECHANICALLY MIXED PRIOR TO BACKFILL OPERATIONS. (PAID AS ITEM 0192 8027 PLANT MATERIAL (100 GAL) (TREE))
- SHRUB PITS WILL BE EXCAVATED 12" GREATER THAN CONTAINER DIAMETER AND 6" DEEPER. BACKFILL WITH 1/2 EXISTING SOIL AND 1/2 SOIL AMENDMENT (OR APPROVED EQUAL) AS NOTED UNDER NOTE 7. ABOVE. THOROUGHLY BLENDED BY MECHANICAL MEANS PRIOR TO BACKFILL.
- SOIL PREPARATION FOR GROUND COVER, SHRUB, AND SEASONAL COLOR BEDS (PAID AS ITEM 0192-8018 PLANT BED PREPARATION):
 A) EXCAVATE EXISTING SOIL, IF NECESSARY, AND ADD TO SHRUB, GROUND COVER, AND SEASONAL COLOR AREAS THE FOLLOWING:
 - 4" LAYER OF COMPOST MIX (SOIL AMENDMENT & FERTILIZER/COMPOST IS SUBSIDIARY TO ITEM 0160 6003 FURNISHING & PLACING TOPSOIL (4"))
 - 14-14-14 SLOW RELEASE FERTILIZER (OSMACOTE) AT A RATE OF 5 LBS. / 100 S.F. (SOIL AMENDMENT & FERTILIZER/COMPOST IS SUBSIDIARY TO ITEM 0160 6003 FURNISHING & PLACING TOPSOIL (4"))
 B) SPREAD MATERIALS UNIFORMLY AND CULTIVATE THOROUGHLY BY MEANS OF A MECHANICAL TILLER. TILL TO A MINIMUM DEPTH OF 6".
 C) POCKET PLANTING OF SHRUB, GROUND COVER, AND SEASONAL COLOR IS NOT ALLOWED.
- MULCH TOPDRESSING TO BE MINIMUM 3" LAYER DOUBLE SHREDDED HARDWOOD. SPREAD UNIFORMLY ON ALL SHRUB AND GROUND COVER BEDS AND ON ALL TREE SAUCERS. AVAILABLE FROM LIVING EARTH TECHNOLOGY (PHONE: 214-869-4332) OR APPROVED EQUAL.
- ALL HOLES FOR TREES AND LARGE SHRUBS WILL BE TESTED FOR WATER RETENTION PRIOR TO TREE OR SHRUB INSTALLATION. AFTER HOLE IS EXCAVATED, IT IS TO BE FILLED WITH WATER TO THE TOP OF THE EXCAVATION. IF, AFTER 24 HOURS, THE HOLE STILL HOLDS WATER, THE CONTRACTOR WILL EXCAVATE AN ADDITIONAL 6" FROM THE BOTTOM OF THE HOLE. THE LANDSCAPE CONTRACTOR WILL THEN INSTALL 6" OF NATIVE WASHED GRAVEL COVERED ON THE TOP (AND UP TO A MINIMUM OF 12" ON THE SIDES OF THE HOLE) WITH FILTER FABRIC. THE CONTRACTOR WILL ALSO INSTALL A CAPPED 3" DIAMETER PVC SUMP WHICH WILL EXTEND FROM NEAR THE BOTTOM OF THE ROCK LAYER TO 3" ABOVE THE PROPOSED FINISH GRADE SO THE HOLE CAN BE EVACUATED THROUGH MECHANICAL MEANS.

NOTE: THIS DETAIL APPLIES TO ALL LARGE ORNAMENTAL TREES 3" CALIBER AND GREATER.

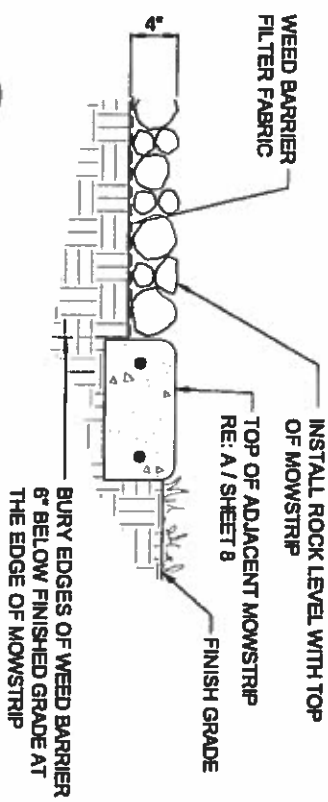


A TREE GUYING DETAIL SECTION/ELEVATION
SCALE: N.T.S.



B SHRUB PLANTING DETAIL SECTION/ELEVATION
SCALE: N.T.S.

RIVER ROCK TO BE "COLORADO RIVER ROCK"
COLOR: SALT & PEPPER
SIZE: 2" TO 3" DIA.
SOURCE: CUSTOM STONE
PHONE: 1 (844) 576-1364
(OR APPROVED EQUAL)



C DECORATIVE ROCK SECTION
SCALE: N.T.S.

KILLEEN GATEWAY MONUMENT AT S.H. 195
KILLEEN, TEXAS

3-25-15

LANDSCAPE DETAILS

NO.	REV.	DESCRIPTION	DATE	BY
1				
2				

Texas Department of Transportation
2015

DAVID C. BALDWIN
INCORPORATED

NO.	REV.	DESCRIPTION	DATE	BY
1				
2				

LANDSCAPE ARCHITECTURE PLAN NO. 15
DATE: 08/31/15


ITEM 192 LANDSCAPE PLANTING MAINTENANCE REQUIREMENTS

After completion of the project installation, as shown in the plans and approved, begin maintenance activities for a period of 90 calendar days as described in ITEM 192.3.15. Payment in accordance with ITEM 192.5. is subject to completion of all scheduled maintenance activities, timeline may also be suspended for failure to complete scheduled maintenance activities. All maintenance work is incidental and is not paid for separately unless otherwise shown on plans. Streets and Bridges 2014 for specifications, dimensions, volumes and measurements that are not shown. Reference item 170, 192 of the Texas Standard Specifications for Construction and Maintenance of Highways. Notify Engineer prior to each site visit, determination of the completeness of work will be done in the presence of the engineer some day as work activity.

DESCRIPTION OF WORK	TIMELINE (Days)																	
	0	30	60	90														
192.3.15.1. WATERING (See PLANTING AND ESTABLISHMENT SHEET 1 OF 4, VEGETATIVE WATERING SCHEDULE FOR TREES, SHRUBS, VINES)	✓	✓	✓	✓	✓	✓	✓	✓	✓									
192.3.15.2. MOWING, TRIMMING, AND EDGING (6" mow width ground bed preparation areas unless otherwise shown on plans)			✓															
192.3.15.3. PLANT BASIN, BED, AND WORKSITE MAINTENANCE (Includes keeping all inlets within or near the bed preparation areas free of debris, litter and compost)	✓	✓	✓	✓	✓	✓	✓	✓	✓									
192.3.15.4. PLANT SUPPORTS (Remove plant stakes and all appurtenances within last 10 days of this schedule unless this item 192 maintenance period is followed by item 193 establishment period, or as directed.)																		
192.3.15.5. PRUNING	✓																	
192.3.15.6. INSECT, DISEASE, AND ANIMAL INSPECTION AND TREATMENT	✓	✓	✓	✓	✓	✓	✓	✓	✓									
192.3.15.7. LITTER AND DEBRIS COLLECTION AND DISPOSAL	✓	✓	✓	✓	✓	✓	✓	✓	✓									
192.3.15.8. TREE TRUNK WRAP AND PROTECTION GUARD REMOVAL AND DISPOSAL (Not applicable)																		
192.3.15.9. PLANT REPLACEMENT		✓																
IRRIGATION SYSTEM (Only when item 170 Irrigation System or a temporary irrigation system is part of the contract, see IRRIGATION DETAILS AND MATERIALS SHEET 1 OF 3 GUARANTEE AND ACCEPTANCE)	✓	✓	✓	✓	✓	✓	✓	✓	✓									

Remove any materials damaged by actions described in item 7.18.1. Removal and disposal of damaged materials is incidental to item 192. Contractor may be reimbursed for plant replacement in accordance with item 7.18.1. This is not a reimbursable repair.

✓ Work required during defined period of timeline.



Texas Department of Transportation

 WACO DISTRICT

PLANTING AND ESTABLISHMENT

SHEET 1 OF 2

FILE#	NO	STATE	FEDERAL PROJECT NUMBER	SHEET
	16	TEXAS		16
ORIGIN#	DIST	COUNTY	CONTROL SECT	JOB
	01	BELL	0836 02	SH 195

MAINTENANCE

STD K-4

SITE DESCRIPTION

PROJECT LIMITS:

CSJ 0836-02-0691 On SH 195 @ South
Killeen City Limits

LOCATION MAPS:

Refer to title sheet for project location map.

PROJECT DESCRIPTION:

CSJ 0836-02-0691
Construction of Scenic Enhancement
Consisting of Gateway Monument and Landscape

MAJOR SOIL DISTURBING ACTIVITIES:

The major soil disturbing activities for this project will consist of excavation, embankment, grading and construction of proposed culvert and roadway.

TOTAL PROJECT AREA:	1.08 AC
TOTAL AREA TO BE DISTURBED:	1.08 AC

EXISTING CONDITION OF SOIL & VEGETATIVE COVER AND % OF EXISTING VEGETATIVE COVER:

CSJ 0836-02-0691
The predominant soil type is Lewisville Silty Clay and Ferruginous association.
Vegetative cover is in good condition with 90-95% coverage.

NAME OF RECEIVING WATERS:

CSJ 0836-02-0691
Project runoff drains into Stream Segment 1216 (Lampasas River) of the Brazos River Basin.

EROSION AND SEDIMENT CONTROLS

SOIL STABILIZATION PRACTICES:

- TEMPORARY SEEDING
- PERMANENT PLANTING, SOODING, OR SEEDING
- SOIL RETENTION BLANKET
- NATURAL BARRIERS OR BUFFER ZONES
- MULCHING
- PRESERVATION OF NATURAL RESOURCES

OTHER: TMR 150000, Part III, Section 5, 2 Stabilization of disturbed areas must, if a minimum, be initiated immediately whenever any clearing, grading, excavating, or other earth disturbing activities have permanently ceased on any portion of the site, or temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days. Temporary stabilization must be completed no more than 14 calendar days after initiation of soil stabilization measures, and final stabilization must be achieved prior to termination of permit coverage.

STRUCTURAL PRACTICES:

- SILT FENCES
- HAY BALES
- SANDBAG OR ROCK BERRMS
- DIVERSION, INTERCEPTOR, OR PERIMETER DIKES
- DIVERSION DIKE AND SMALE COMBINATIONS
- PIPE SLOPE DRAINS
- PAVED FLOWES
- ROCK BEDDING AT CONSTRUCTION EXIT
- TIMBER MATTING AT CONSTRUCTION EXIT
- CHANNEL LINERS
- SEDIMENT TRAPS
- STORM INLET SEDIMENT TRAP
- STONE OUTLET STRUCTURES
- CURBS AND GUTTERS
- STORM SENSERS
- VELOCITY CONTROL DEVICES

OTHER:

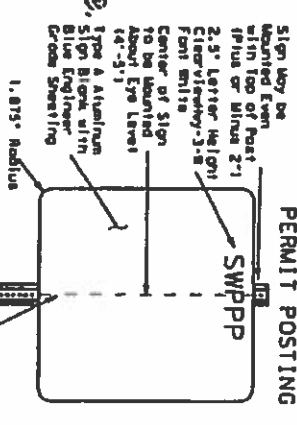
NARRATIVE - SEQUENCE OF CONSTRUCTION (STORM WATER MANAGEMENT) ACTIVITIES:

1. Preserve existing vegetative cover as much as possible.
2. Install temporary sediment control fencing, rock berms and other items as shown on plans prior to any soil disturbing activities.
3. Construct proposed monument, construct and perform and perform any necessary excavation, embankment and grading.
4. Place permanent seeding as shown in the plans and as directed.

STORM WATER MANAGEMENT:

An integral part of the SWPPP for this project includes the EPIC Sheet, Item 506, Waco District Notice of the US Notice, Waco District Typical Additions for Best Management Practices, Form 2118 TADOT Inspection Form, Contractor daily inspection forms, miscellaneous general notes on environmental requirements, TADOT EC Standard, 2014 Standard Specifications, TADOT roadway design drawings, SWPPP design and working map drawing, Site Manager Data Base, EMS Slope Gate Inspections and the Waco District environmental folders. The requirements of the TADOT EMS will be fully implemented including training requirements for Contractors and TADOT staff.

STORM WATER POLLUTION PREVENTION PLAN PERMIT POSTING



Sign may be placed on paved surface with top of post 2-1/2" higher than 2-1/2" center of sign. Sign shall be 14" x 14" with 1/2" thick aluminum sign blank with blue lettering. Cross sheeting 1.035" radius.

OTHER EROSION AND SEDIMENT CONTROLS:

MAINTENANCE: All erosion and sediment best management practices (BMPs) will be maintained in good working order per the environmental notes, details and standards included on part of the project plans and contract documents. BMPs will be made of the earliest possible date, but no later than seven calendar days after the inspection report has been completed and immediately after the ground has dried sufficiently to allow equipment access. BMPs damaged by the Contractor will be repaired or replaced immediately. The installation and repair of BMPs of creeks and outfalls will be given priority.

INSPECTIONS:

TADOT Form 2118 Inspections to support TMR150000 and 404 permits will be conducted on a seven day interval on the same day of the week, until permits are terminated. The Contractor will provide daily BMP inspection reports on work days. Slope Gate Inspections and other BMP Inspections will be conducted by the District and Area Office Staff based on requirements of the TADOT Environmental Management System (EMS).

WASTE MATERIALS:

Any waste materials generated during construction will be disposed of in accordance with existing Federal, state, and local laws.

HAZARDOUS WASTE (INCLUDING SPILL REPORTING):

At a minimum, any products in the following categories are considered to be hazardous: fuels, lubricating products, abrasives, pesticides, or concrete curing compounds and any additives. In the event of a spill which may be hazardous, clean-up will be done in accordance with federal, state, and local regulations. The Contractor will maintain a list of all chemicals and wastes required for the project, including chemicals used by sub-contractors, and will implement written spill prevention and clean-up plans.

SANITARY WASTE:

Sanitary waste from portable units will be collected by a licensed sanitary waste management contractor.

OFF SITE VEHICLE TRACKING:

- HAUL ROADS DAMPENED FOR DUST CONTROL
- LOADED HAUL TRUCKS TO BE COVERED WITH TARP/ULIN
- EXCESS DIRT ON ROAD REMOVED DAILY
- STABILIZED CONSTRUCTION ENTRANCE

REMARKS:

Diurnal erosion, siltation, and haul roads will be constructed in a manner that will minimize and control the amount of sediment that may enter receiving waters. Disposal areas will not be located in any wetland, waterbody or streambed. Construction staging area and vehicle maintenance area will be constructed by the contractor in a manner to minimize the runoff pollutants.

Furnish one SWPP permit posting sign and sign support as detailed on the SWPP Sheet. Install this sign in a location selected by the Engineer. The sign and support should be removed upon completion of the project and is the property of the Contractor. The purchase of the sign and support, installation, relocation(s) if determined necessary by the Engineer and removal or project end will be subsidiary to Item 506.

Sedimentation Basins - Since the area disturbed is less than 10 acres, per outfall location, a sedimentation basin is not required.



Anthony John Worin
3/31/2015

Texas Department of Transportation
Waco District Office
Advanced Project Development
100 South Loop Drive
Waco Texas, 76704-2858

Sign Channel or Other Approved Driveway Support Holder for Posting Sign to Post to be drilled on site as needed.
No Permanent Installation Allowed.
Sign to be Removed After Project Completion.

**WACO DISTRICT
STORM WATER POLLUTION
PREVENTION PLAN
(SW3P)**

