

Bidding Requirements, Contract Forms and Conditions of the Contract
ADDENDUM
Section 00900

ADDENDUM No. 2

Date **December 9, 2011**

City of Austin

Project Name Harold Court East Regional Service Center Improvements

C.I.P. No. 5700.012

This Addendum forms a part of Contract and clarifies, corrects or modifies original Bid Documents, dated **November 14, 2011**. Acknowledge receipt of this addendum in space provided on bid form. Failure to do so may subject bidder to disqualification.

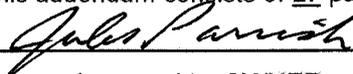
A. Project Manual Revisions:

1. Delete "Table of Contents" dated 09/20/11 in its entirety, and replace with the attached "Table of Contents" dated 11/21/11.
2. Delete Section 00300U, "Unit Price Bid Form" in its entirety, and replace with the attached, revised Section 00300U, "Unit Price Bid Form." Revised Section 300U "Unit Price Bid Form" now includes pay items for items shown on the approved plans:
 - a) 594-C Revet Mattresses, Twisted Woven Wire
 - b) 710S-B Class III, Type 1 Bicycle Rack
3. Delete Section 00830HH dated 09/20/11, "Wage Rates Highway Heavy" in its entirety, and replace with the attached, updated Section 00830HH dated 11/21/11 "Wage Rates Highway Heavy."
4. Add Standard Specification 710S, "Bicycle Racks" as attached in its entirety.

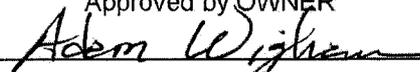
B. Drawing Revisions:

1. Delete Sheet 26, "Biofiltration Pond Plan," and replace with the attached, revised Sheet 26, "Biofiltration Pond Plan." Revised Sheet 26 provides labels for the box culverts attached to the biofiltration pond, and details for the access control gates to the biofiltration pond already shown on the approved plans.
2. Delete Sheet 27, "Biofiltration Pond Cross Sections", and replace with the attached, revised Sheet 27, "Biofiltration Pond Cross Sections." Revised Sheet 27 provides profiles for the box culverts attached to the biofiltration pond already shown on the approved plans.
3. Delete Sheet 28, "Biofiltration Pond Details," and replace with the attached, revised Sheet 28, "Biofiltration Pond Details." Revised Sheet 28 provides a detail for the revetment mattress in the biofiltration pond already shown on the approved plans.
4. Delete Sheet 31, "Biofiltration Pond Wall Sections and Details", and replace with the attached, revised Sheet 31, "Biofiltration Pond Wall Sections and Details". Revised Sheet 31 provides a detail for the installation of the fence posts on top of the biofiltration pond wall already shown on the approved plans.
5. Delete Sheet 46, "Irrigation Plan," and replace with the attached, revised Sheet 46, "Irrigation Plan." Revised Sheet 46 provides a plan view label on the three inch irrigation line to match the description in Note 1 on Sheet 46 already shown on the approved plans.

This addendum consists of 27 page(s)/ 5 sheet(s).



Approved by OWNER



Approved by ENGINEER/ARCHITECT

END



**Document
Number**

Title

VOLUME 1

INTRODUCTORY INFORMATION

05/06/11 Title Page
11/21/11 Table of Contents

BIDDING REQUIREMENTS, CONTRACT FORMS, & CONDITIONS OF THE CONTRACT

Pre-Bid Information

00020 05/06/11 Invitation for Bids

Instructions to Bidders

00100 05/06/11 Instructions to Bidders

Information Available to Bidders

00220 05/06/11 Geotechnical Data

Bid Forms

00300U 05/06/11 Bid Form (Unit Price)

Supplements to Bid Forms

00400 05/06/11 Statement of Bidder's Experience
00405 09/25/05 Certificate of Non-Suspension or Debarment
00410 05/06/11 Statement of Bidder's Safety Experience
00425 05/06/11 Insurance Cost Form {ROCIP projects only}
00440 05/06/11 Affidavit - Prohibited Activities
00475 05/06/11 Nonresident Bidder Provisions

Agreement Form

00500 05/06/11 Agreement

Bonds and Certificates

00610 02/23/10 Performance Bond
00620 02/23/10 Payment Bond
00630 05/06/11 Nondiscrimination Certificate
00650 02/23/10 Certificate of Insurance
00670 09/13/10 Sales Tax Exemption Certificate
00680 06/05/06 Non-Use of Asbestos Affidavit (Prior to Construction)
00681 06/05/06 Non-Use of Asbestos Affidavit (After Construction)

General Conditions

00700 09/13/10 General Conditions

Supplementary Conditions

00810 05/06/11 Supplemental General Conditions
00820 05/06/11 Modifications to Bidding Requirements and Contract Forms
00830 06/05/06 Wage Rates and Payroll Reporting
00830HH 11/21/11 Wage Rates Highway Heavy

**Document
Number**
Title**Addenda**

00900 02/23/10 Addendum

SPECIFICATIONS**Division 1 - General Requirements**

01010	02/23/10	Summary of Work
01020	09/21/11	Allowances
01050	09/13/10	Grades Lines & Levels
01095	07/21/03	Reference Standards and Definitions
01096	05/06/11	Stormwater Pollution Prevention Plan (SWPPP)
01200	05/06/11	Project Meetings
01300	05/06/11	Submittals
01352	02/23/10	Sustainable Construction Requirements
01380	05/06/11	Construction Photography & Videos
01500	05/06/11	Temporary Facilities
01505	09/13/10	Construction and Demolition Waste Management
01510	02/23/10	Construction Indoor Air Quality Management Plan
01550	12/12/08	Public Safety and Convenience
01900	05/06/11	Prohibition of Asbestos Containing Materials
01900a	06/05/06	Statement of Non-Inclusion of Asbestos Containing Material (E/A Prior to Design)
01900b	06/05/06	Statement of Non-Inclusion of Asbestos Containing Material (E/A After Design)

City Standard Technical Specifications**Series 100 - Earthwork**

102S	08/20/07	Clearing and Grubbing
110S	11/18/04	Street Excavation
111S	11/18/04	Excavation
130S	03/24/09	Borrow
132S	08/20/07	Embankment

Series 200 – Subgrade and Base Construction

201S	08/20/07	Subgrade Preparation
210S	02/24/10	Flexible Base
230S	08/20/07	Rolling (Flat Wheel)
236S	08/20/07	Proof Rolling

Series 300 – Street Surface Courses

301S	08/20/07	Asphalts, Oils and Emulsions
302S	08/20/07	Aggregates for Surface Treatments
306S	02/24/10	Prime Coat
307S	02/24/10	Tack Coat
312S	02/21/01	Seal Coat
340S	07/01/09	Hot Mix Asphaltic Concrete Pavement

**Document
Number**
Title**Series 400 – Concrete Structures and Miscellaneous Concrete**

403S	01/04/11	Concrete for Structures
405S	11/13/07	Concrete Addmixtures
410S	11/13/07	Concrete Structures
414S	11/13/07	Concrete Retaining Walls
432S	01/04/10	Portland Cement Concrete Sidewalks

Series 500 – Pipe and Appurtenances

503S	02/17/00	Frames, Grates, Rings and Covers
506	06/25/10	Manholes
508S	02/24/10	Miscellaneous Structures and Appurtenances
509S	02/24/10	Excavation Safety Systems
510	02/24/10	Pipe
591S	03/26/08	Riprap for Slope Protection
594S	04/05/99	Gabions and Revet Mattresses

Series 600 – Environmental Enhancement

601S	03/24/09	Salvaging and Placing Topsoil
604S	10/30/09	Seeding for Erosion Control
605S	06/21/07	Soil Retention Blanket
607S	05/23/00	Slope Stabilization Applications for Erosion Control
608S	06/16/08	Planting
610S	12/09/08	Preservation of Trees and Other Vegetation
620S	05/23/00	Filter Fabric
628S	10/30/09	Sediment Containment Dikes
639S	11/26/01	Rock Berm
641S	06/21/07	Stabilized Construction Entrance
642S	10/30/09	Silt Fence

Series 700 – Incidental Construction

700S	08/18/00	Mobilization
701S	06/16/08	Fencing
702S	05/20/02	Removal and Relocation of Existing Fences
710S	11/21/05	Bicycle Racks

Series 800 – Urban Transportation

803S	06/21/07	Barricades, Signs and Traffic Handling
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Special Provisions to City Standard Technical Specifications

SP102S	Special Provision to Clearing and Grubbing
SP111S	Special Provision to Excavation
SP594S	Special Provision to Gabions and Revetment Mattresses
SP601S	Special Provision to Salvaging and Placing Top Soil
SP608S	Special Provision to Planting
SP628S	Special Provision to Sediment Containment Dikes
SP701S	Special Provision to Fencing
SP01020	Special Provision to Allowances

**Document
Number**

Title

Special Specifications

SS509S Excavation Safety Systems
SS1700S Irrigation System
SS5061 Stormwater Treatment System

VOL. 2 10/09/00 **MBE/WBE Procurement Program Package**

VOL. 3 11/29/10 **ROCIP Project Safety Manual**

END

Bidding Requirements, Contract Forms and Conditions of the Contract
UNIT PRICE BID FORM
Section 00300U

The undersigned, in compliance with the Invitation for Bids for construction of the following Project: Harold Court East Regional Service Center Improvements

(CIP ID# 5700.012) (IFB# 6100 CLMC322)
for the City of Austin, Texas, having examined the Project Manual, Drawings and Addenda, the site of the proposed Work and being familiar with all of the conditions surrounding construction of the proposed Project, having conducted all inquiries, tests and investigations deemed necessary and proper; hereby proposes to furnish all labor, permits, material, machinery, tools, supplies and equipment, and incidentals, and to perform all Work required for construction of the Project in accordance with the Project Manual, Drawings and Addenda within the time indicated for the following prices of:

Note: The Bidder will enter the line item subtotal in the "Amount" column below, which is the product of the estimated "Quantity" multiplied by the "Unit Price". Any mathematical errors will be corrected for the purpose of determining the correct Amount to be entered in the Bid Form. The Amounts, including any corrected Amounts, will then be totaled to determine the actual amount of the Bid.

No.	Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
1	102S-A	7.78	AC	Clearing and Grubbing	\$_____	\$_____
2	110S-A	262	CY	Street Excavation	\$_____	\$_____
3	111S-A	6,698	CY	Excavation	\$_____	\$_____
4	130-T	7,880	CY	Class C (Topsoil), Plan Quantity	\$_____	\$_____
5	132S-A	31,997	CY	Embankment	\$_____	\$_____

No.	Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
6	201S	1,941	SY	Subgrade Preparation	\$_____	\$_____
7	210S-A	1,006	CY	Flexible Base	\$_____	\$_____
8	340S-B-3C	1,314	SY	Hot Mix Asphaltic Concrete Pavement, <u>3</u> Inches, Type <u>C</u>	\$_____	\$_____
9	340S-B-2D	1,314	SY	Hot Mix Asphaltic Concrete Pavement, <u>2</u> Inches, Type <u>D</u>	\$_____	\$_____
10	403S-CY	149	CY	Concrete Splitter Box (Complete and In Place)	\$_____	\$_____
11	403S-SY-6	86	SY	6-Inch Reinforced Concrete Pad	\$_____	\$_____
12	414S-C	545	CY	Cast-in-place Portland Cement Concrete Retaining Wall, Including Reinforcement	\$_____	\$_____
13	432S-5	4,187	SF	P.C. Concrete Sidewalk, 5-Inch Thickness	\$_____	\$_____
14	506-CNSW	1	EA	Connect to Existing 36" RCP Storm Drain On-Site	\$_____	\$_____

No.	Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
15	506-EDMSW	30	VF	Extra Depth Stormwater Manhole All Sizes	\$_____	\$_____
16	506-JSW7	3	EA	Junction Box, 7 Ft x 7 Ft	\$_____	\$_____
17	506-MSW7	1	EA	Standard Precast Manhole w/Precast Base, 7 Ft. Dia.	\$_____	\$_____
18	506-MSW5	1	EA	Standard Precast Manhole w/Precast Base, 5 Ft. Dia.	\$_____	\$_____
19	508S-H48	1	EA	Headwalls, Type Std., 2-48 Inch Dia. RCP Pipes Including Energy Dissipators	\$_____	\$_____
20	508S-H8	1	EA	Headwalls, Type Std., 8 Inch Dia. SCH 40 PVC Pipe Including Energy Dissipators	\$_____	\$_____
21	508S-IG3	1	EA	Inlet, Grated – 3 Ft x 3 Ft Area	\$_____	\$_____
22	508S-I20S	1	EA	Inlet, Grated – 5 Ft x 5 Ft 4-Sided Area	\$_____	\$_____

No.	Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
23	508S-110S	1	EA	Inlet, Standard 10 Ft Curb	\$_____	\$_____
24	509S-1	907	LF	Trench Excavation Safety Protective Systems (All Depths)	\$_____	\$_____
25	510-ASD 48 Dia.	284	LF	Pipe, 48-Inch Dia., CI III Concrete (All Depths), Including Excavation and Backfill	\$_____	\$_____
26	510-ASD 36 Dia.	375	LF	Pipe, 36-Inch Dia., CI III Concrete (All Depths), Including Excavation and Backfill	\$_____	\$_____
27	510-ASD 6 Dia. SCH 80	77	LF	Pipe, 6-Inch Dia., SCH 80 PVC Perforated (All Depths), Including Excavation and Backfill	\$_____	\$_____
28	510-ASD 6 Dia. SCH 40	10	LF	Pipe, 6-Inch Dia., SCH 40 PVC Perforated (All Depths), Including Excavation and Backfill	\$_____	\$_____
29	551-8	118	LF	Pipe Underdrains, 8-Inch Dia., SCH 40 PVC (All Depths), Including Excavation and Backfill	\$_____	\$_____

No.	Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
30	551-6	394	LF	Pipe Underdrains, <u>6</u> -Inch Dia., SCH 40 PVC Perforated (All Depths), Including Excavation and Backfill	\$_____	\$_____
31	559S-5x3	248	LF	Precast Concrete Box Culvert, <u>5</u> Ft. x <u>3</u> Ft., Complete and In Place	\$_____	\$_____
32	559S-6x4	461	LF	Precast Concrete Box Culvert, <u>6</u> Ft. x <u>4</u> Ft., Complete and In Place	\$_____	\$_____
33	591S-A 5-8	74	SY	Dry Rip Rap, 5-8 Inch Dia. Stone	\$_____	\$_____
34	591S-A 4-6	2,415	SY	Dry Rip Rap, 4-6 Inch Dia. Stone	\$_____	\$_____
35	591S-A 2-3	2	SY	Dry Rip Rap, 2-3 Inch Dia. Gravel	\$_____	\$_____
36	591S-A 0.5-1.5	624	SY	Dry Rip Rap, 0.5-1.5 Inch Dia. Gravel, 9 Inch Thick	\$_____	\$_____

No.	Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
37	593S-A	4	CY	Portland Cement Concrete Retards	\$_____	\$_____
38	594S-A	20,268	CY	Gabions, Twisted Woven Wire	\$_____	\$_____
39	594S-C	99	CY	Revet Mattresses, Twisted Woven Wire	\$_____	\$_____
40	602S-A	1,023	SY	Bermuda Block Sodding	\$_____	\$_____
41	605S-A	5,200	SY	Soil Retention Blanket, Class 1, Type B	\$_____	\$_____
42	608S-1A	5	EA	Planting Type Cedar Elm, Size in Inches 3	\$_____	\$_____
43	608S-1B	7	EA	Planting Type Live Oak, Size in Inches 3	\$_____	\$_____
44	608S-1C	7	EA	Planting Type Shumard Red Oak, Size in Inches 3	\$_____	\$_____
45	608S-1D	30	EA	Planting Type Mountain Laurel, Size in Inches 2.5	\$_____	\$_____

No.	Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
46	608S-1E	38	EA	Planting Type Possumhaw Holly, Size in Inches 3	\$_____	\$_____
47	608S-1F	22	EA	Planting Type Yaupon Holly, Size in Inches 3	\$_____	\$_____
48	609S-C	24,543	SY	Native Grassland Seeding and Planting	\$_____	\$_____
49	609S-E	24,543	SY	Watering	\$_____	\$_____
50	610S-A	852	LF	Protective Fencing, Type A Chain Link Fence	\$_____	\$_____
51	610S-R 8-12	135	EA	Removal of Existing Trees, 8-12 Inch Diameter	\$_____	\$_____
52	610S-R 13-20	33	EA	Removal of Existing Trees, 13-20 Inch Diameter	\$_____	\$_____
53	610S-R 21-28	7	EA	Removal of Existing Trees, 21-28 Inch Diameter	\$_____	\$_____

No.	Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
54	620S	45,135	SY	Filter Fabric	\$_____	\$_____
55	628S-B	334	LF	Sediment Containment Dikes with Filter Fabric	\$_____	\$_____
56	628S-C	2	EA	Filter Curb Inlet Protection (New Inlet)	\$_____	\$_____
57	639S	115	LF	Rock Berm	\$_____	\$_____
58	641S	2	EA	Stabilized Construction Entrance	\$_____	\$_____
59	642S	4,210	LF	Silt Fence for Erosion Control	\$_____	\$_____
60	700S-TM	1	LS	Total Mobilization Payment	\$_____	\$_____
61	701S-CD	3	EA	Chain Link Vehicular Double Swing Gate, 6 Foot. X 6 Foot.	\$_____	\$_____

No.	Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
62	701S-H	875	LF	Security Fence, 6 Foot, High Type Chain Link	\$_____	\$_____
63	702S-G8	472	LF	Removing and Relocating Existing 8 Ft Wire Fence	\$_____	\$_____
64	702S-G6	15	LF	Removing and Relocating Existing 6 Ft Wire Fence	\$_____	\$_____
65	710S-B	23	EA	Class III, Type 1 Bike Rack	\$_____	\$_____
66	803S-MO	12	MO	Barricades, Signs and Traffic Handling	\$_____	\$_____
67	SP601S	471	CY	Biofiltration Media Top Soil, Depth 18 Inch (Minimum)	\$_____	\$_____
68	SP608S-1A	184	EA	Planting Type Big Muhly, Size in Gallons 5	\$_____	\$_____
69	SP608S-1B	165	EA	Planting Type Soft Rush, Size in Gallons 3	\$_____	\$_____
70	SP608S-1C	161	EA	Planting Type Switch Grass, Size in Gallons 3	\$_____	\$_____

contain all information and in the format shown on the attached page: "Example of Bid Prices Submitted by Computer Printout" form.

If a computer printout is used, the Bidder must still execute that portion of the unit price Bid form which acknowledges the Bid Guaranty, Time of Completion, Liquidated Damages, and all addenda that may have been issued.

Bids with unit prices by computer printout may be rejected, if:

1. The computer printout does not include the required certification, set forth in the attached "Example".
2. The computer printout is not signed in the name of the firm to whom the Project Manual was issued.
3. The computer printout is non-responsive or otherwise omits required Bid items or includes items not shown on the Bid forms in the Project Manual.
4. The other required Bid documents issued by the City are not fully executed as provided above.
5. The signed Section 00300U is not returned with the signed computer printout.

If the Bid submitted by the Bidder contains both the form furnished by the City, completed according to the instructions, and also a computer printout, completed according to the instructions, unit prices of only one will be considered. In this situation, the unit Bid prices shown on the computer printout will be used to determine the Bid.

BID GUARANTY: A Bid guaranty must be enclosed with this Bid, as required in Section 00020 or Section 00020S, in the amount of not less than five percent (5%) of the total Bid. Following the Bid opening, submitted Bids may not be withdrawn for a period of (90) Calendar Days. Award of Contract will occur within this period, unless mutually agreed between the parties. The Bid guaranty may become the property of the OWNER, or the OWNER may pursue any other action allowed by law, if:

- Bidder withdraws a submitted Bid within the period stated above;
- Bidder fails to submit the required post Bid information within the period specified in Section 00020S or 00100, or any mutually agreed extension of that period;
- or Bidder fails to execute the Contract and furnish the prescribed documentation (bonds, insurance, etc.) needed to complete execution of the Contract within five (5) calendar days after notice of award, or any mutually agreed extension of that period.

The Bid includes all Automobile Liability and Builder's Risk Insurance premiums required to meet the insurance limits in the Supplemental General Conditions and includes all premiums for a Performance Bond and a Payment Bond in the sum of one hundred percent of the Contract Amount. The Bid excludes all costs for the insurance coverages and limits, up to the limits set forth in the Supplemental General Conditions, duplicated by those in the ROCIP, including the costs for all proposed Subcontractors for such coverages and limits as described in the Supplemental General Conditions, and as calculated in accordance with the Insurance Cost Form, Section 00425.

The Bid also includes the cost to provide and maintain through completion of Work all necessary safety rails, barricades, platforms, fences, covers, and signs necessary to adequately protect and safeguard all vehicular and pedestrian traffic within proximity of the Work. The safety information identified in the Project Safety Manual, and in the Supplemental General Conditions, outlines the minimum safety requirements for the Project. CONTRACTOR shall not limit the amount of effort directed toward its safety program based on the requirements identified in the Project Safety Manual. This program is in addition to CONTRACTOR's existing safety program, not in lieu of that program.

GEOTECHNICAL BASELINE ACKNOWLEDGEMENT: The undersigned bidder certifies that he/she has read and understands the Geotechnical Baseline Report (GBR), the Geotechnical Data Report, the Reflection Survey Report, and all other geological and geotechnical information and data as provided in the Contract Documents, including all Addenda. **The Bidder acknowledges and agrees that the GBR represents the contractual statement of the subsurface conditions reasonably anticipated to be encountered during construction. The GBR will be used to evaluate whether subsurface conditions differ materially from those indicated in the GBR.**

TIME OF COMPLETION: The undersigned Bidder agrees to commence work on the date specified in the written "Notice to Proceed" to be issued by the OWNER and to **substantially** complete construction of the improvements, as required by the Project Manual, Drawings and Addenda for the Work within **three hundred (300) Calendar Days**. **If a Substantial Completion date has been specified, the Bidder further agrees to reach Final Completion within thirty (30) Calendar Days after Substantial Completion as required by the Project Manual, Drawings and Addenda for the work.** The Bidder further agrees that should the Bidder fail to **substantially complete the Work or to finally** complete the Work within the number of days indicated in the Bid or as subsequently adjusted, Bidder shall pay the liquidated damages for each consecutive day thereafter as provided below; unless the OWNER elects to pursue any other action allowed by law.

WAIVER OF ATTORNEY FEES: In submitting its bid, in consideration for the waiver of its right to attorney's fees by the OWNER, the Bidder knowingly and intentionally agrees to and shall waive the right to attorney's fees under Section 271.153 of the Texas Local Government Code in any administrative proceeding, alternative dispute resolution proceeding, or litigation arising out of or connected to any Contract awarded pursuant to this solicitation process.

LIQUIDATED DAMAGES: The Bidder understands and agrees that the timely completion of the described Work is of the essence. The Bidder and OWNER further agree that the OWNER's actual damages for delay caused by failure to timely complete the Project are difficult, if not impossible to measure. However, with respect to the additional administrative and consultant costs to be incurred by OWNER, the reasonable estimate of such damages has been calculated and agreed to by OWNER and Bidder. Therefore, the Bidder and the OWNER agree that for each and every **Calendar Day** the Work or any portion thereof, remains incomplete after the **Substantial Completion** date as established by the above paragraph, "Time of Completion", payment will be due to the Owner in the amount of **one thousand two hundred dollars (\$1,200.00)** per **Calendar Day** as liquidated damages, not as a penalty, but for delay damages to the OWNER. **If both Substantial and Final Completion dates have been specified, the Bidder and the OWNER further agree that for each and every Calendar Day the Work or any portion thereof, remains incomplete after the Final date as established by the above paragraph, "Time of Completion", payment will be due to the OWNER in the amount of five hundred dollars (\$500) per Calendar Day as liquidated damages, not as a penalty, but for delay damages to the OWNER.** Such amount shall be deducted by the OWNER from any Contract payment due. In the event of a default or breach by the CONTRACTOR and demand is made upon the surety to complete the project, in accordance with the Contract Documents, the surety shall be liable for liquidated damages pursuant to the Contract Documents in the same manner as the CONTRACTOR would have been.

OWNER reserves the right to reject any or all Bids and to waive any minor informality in any Bid or solicitation procedure (a minor informality is one that does not affect the competitiveness of the Bids).

The undersigned acknowledges receipt of the following addenda:

- Addendum No. 1 dated _____ Received _____
- Addendum No. 2 dated _____ Received _____
- Addendum No. 3 dated _____ Received _____

Addendum No. 4 dated _____ Received _____

Addendum No. 5 dated _____ Received _____

Secretary, *if Bidder is a Corporation

Bidder

(Seal)

Authorized Signature

Title

Date

Address

Telephone Number / FAX Number

Email Address for Person Signing Bid

Email Address for Bidder's Primary Contact Person

* Copy of Corporate Resolution and minutes with certificate of officer of Bidder as to authority of signatory to bind Bidder is to be signed and dated no earlier than one week before Bid date, and attached to this document.

Bidding Requirements, Contract Forms Conditions of the Contract
WAGE RATES AND PAYROLL REPORTING
 Section 00830HH

PREVAILING WAGE RATE DETERMINATION

HEAVY AND HIGHWAY CONSTRUCTION

COUNTY NAME: TRAVIS

Wages based on DOL General Decision:TX100017 11/18/2011 TX17

Classification	Wage Rate	Classification	Wage Rate
Agricultural Tractor Operator	\$ 12.69	Laborer, Utility	\$ 12.27
Asphalt Distributor Operator	\$ 15.55	Loader/Backhoe Operator	\$ 14.12
Asphalt Paving Machine Operator	\$ 14.36	Mechanic	\$ 17.10
Asphalt Raker	\$ 12.12	Milling Machine	\$ 14.18
Boom Truck Operator	\$ 18.36	Motor Grader Operator - Fine Grade	\$ 18.51
Broom or Sweeper Operator	\$ 11.04	Motor Grader Operator - Rough	\$ 14.63
Cement Mason/Concrete Finisher	\$ 12.56	Painter - Structures	\$ 18.34
Concrete Pavement Finishing Machine Operator	\$ 15.48	Pavement Marking Machine Operator	\$ 19.17
Crane, Hydraulic 80 tons or less	\$ 18.36	Pipelayer	\$ 12.79
Crane, Lattice Boom, 80 tons or less	\$ 15.87	Reclaimer/Pulverizer	\$ 12.88
Crane, Lattice Boom, over 80 tons	\$ 19.38	Reinforcing Steel Setter	\$ 14.00
Crawler Tractor	\$ 15.67	Roller Operator, Asphalt	\$ 12.78
Directional Drilling Locator	\$ 11.67	Roller Operator, Other	\$ 10.50
Directional Drilling Operator	\$ 17.24	Scraper Operator	\$ 12.27
Electrician	\$ 26.35	Servicer	\$ 14.51
Excavator, 50,000 lbs. or less	\$ 12.88	Spreader Box Operator	\$ 14.04
Excavator, over 50,000 lbs.	\$ 17.71	Structural Steel Worker	\$ 19.29
Flagger	\$ 9.45	Traffic Signal Installer/Light Pole Worker	\$ 16.00
Form Builder/ Setter, Structures	\$ 12.87	Trenching Machine Operator, Heavy	\$ 18.48
Form Setter - Paving & Curb	\$ 12.94	Truck Driver Tandem Axle Semi-Trailer	\$ 12.81
Foundation Drill Operator, Truck Mounted	\$ 16.93	Truck Driver, Lowboy-Float	\$ 15.66
Front End Loader Operator, 3CY or less	\$ 13.04	Truck Driver, Single Axle	\$ 11.79
Front End Loader Operator, over 3 CY	\$ 13.21	Truck Driver, Off Road Hauler	\$ 11.88
Laborer, Common	\$ 10.50	Truck Driver, Single or Tandem Axle Dump Truck	\$ 11.68
		Welder	\$ 15.97
		Work Zone Barricade Servicer	\$ 11.85

<http://www.wdol.gov/wdol/scafiles/davisbacon/tx.html>

The Wage Compliance information detailed below was excerpted from General Decision TX20070043 or other DOL sources.

1. Additional Trade information:

Unlisted classifications needed for work not listed within the scope of the classifications listed may be added upon the advance approval of Contract Procurement. CONTRACTOR shall submit to City of Austin Contract Procurement the following: classification, a bona fide definition of work to be performed and a proposed wage with sample payrolls conforming to area practice **prior** to the start of the job for that type of work. Proposed trade may not be performed by any trade already listed.

2. Wages

For overtime, the basic hourly rate listed in the contract wage determination must be used in computing pay obligations.

3. Proper Designation of Trade

A work classification from the Prevailing Wage Poster for each worker must be made based on the actual type of work he/she performed on the job. In summary the work performed, not the "title" determines the correct worker classification and wage. Each worker must be paid no less than the wage rate on the wage decision for that classification **regardless** of his/her level of skill (exclusive of a bona fide apprentice currently registered in a DOL approved apprentice program - proof of individual registration must be supplied in advance to the City of Austin).

4. Split Classification

If a firm has employees that perform work in more than one classification, it can pay the wage rates specified for each classification ONLY if it maintains accurate time records showing the amount of time spent in each classification. If accurate time records are not maintained, these employees must be paid the highest wage rate of all the classifications of work performed by each worker. Accurate time records tracking how many hours a worker performed the work of one trade and then switched to another trade must be accounted for on a daily basis and reflected on Employer Certified Payroll accordingly.

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

=====
Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

In the listing above, the "SU" designation means that rates listed under the identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor

200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:
Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

=====

**Item No. 710S
Bicycle Racks**

710S.1 Description

This item shall govern Class II and Class III bicycle racks and associated support medium as indicated on the Drawings.

A Class II bicycle rack shall be a rack where both wheels and the frame of a bicycle can be secured with one (1) user-supplied lock without the requirement for wheel removal. The design, type and capacity of a Class II bicycle rack shall be approved by the Engineer or designated representative

A Class III bicycle rack shall be a rack where both one wheel and the frame can be secured with a user supplied lock (see Standard Detail 710S-1, "Class III Style Bicycle Parking"). The Class III rack shall consist of either a single U/Hoop (Rack 1), multiple inverted U/Hoop (Rack 2), single post (Rack 3), or other Rack approved by the Engineer or designated representative.

This specification is applicable for projects or work involving either inch-pound or SI units. Within the text, the inch-pound units are given preference followed by SI units shown within parentheses.

710S.2 Submittals

The submittal requirements of this specification item include:

- A. Class (i.e. II or III) Type and capacity of bicycle rack (i.e. number of bicycles served).
- B. Fabrication and installation details, color and finish of the rack(s).
- C. Support medium (i.e. existing slab, new pad, concrete filled excavation, etc.) and details of installation.
- D. Complete manufacturer's warranty against defects and workmanship for a period not less than one year from date of installation.

710S.3 Materials

- A. Steel elements.

All steel shall be ASTM A-36 1010-1018 low carbon prime steel and the screws, nuts and bolts shall be tamper proof and plated with commercial zinc. The bicycle racks shall be hot dipped galvanized (ASTM A 123) unless the Drawings indicate that the rack assembly shall be provided in a specific color with a polyester-vinyl coated finish, a powder coated finish, or a polyvinyl thermoplastic finish.

- B. Portland Cement Concrete

Portland cement concrete shall be Class A conforming to Specification Item No. 403S, "Concrete for Structures" or Specification Item No. 407S, "Fibrous Concrete".

- C. Reinforcement

Reinforcement shall conform to Specification Item No. 406S, "Reinforcing Steel" or Specification Item No. 407, "Fibrous Concrete".

D. Expansion Joint Materials

Expansion joint materials shall conform to Specification Item No. 408, "Expansion Joint Materials".

E. Membrane Curing Compound

Membrane curing compound shall conform to Specification Item No. 409, "Membrane Curing".

710S.4 Construction of Racks

A. Class II Bicycle Rack.

The Class II Rack shall consist of a locking system, which will secure both bicycle wheels and the frame with one (1) lock without the removal of either wheel.

B. Class III Bicycle Rack.

1. The Class III Rack Type 1 (Standard Detail 710S-1, sheet 1 of 3) shall consist of a one piece welded inverted U/Hoop assembly of Schedule 40 steel pipe with an minimum outside diameter (OD) of 1.5 inches (38 mm) on a minimum .25" (6.35 mm) thick base plate.

2. The Class III Rack Type 2 (Standard Detail 710S-1, sheet 2 of 3) shall consist of a single Schedule 40 steel pipe with an minimum outside diameter (OD) of 2 3/8 (60 mm) set in Portland cement concrete below the ground surface as indicated on the Drawings. The steel pipe shall be topped with a 7 1/2 inch (190 mm) polymer molded sphere that is secured with a hardened steel pin.

3. The Class III Rack Type 3 (Standard Detail 710S-1, sheet 3 of 3) shall consist of a one piece welded inverted U/Hoop assemble of Schedule 40 steel pipe with an minimum outside diameter (OD) of 2 3/8 inches (60 mm) supported with a minimum .25" (6.35 mm) thick circular base plate at one end of the rack and an in ground anchor mount on the other end.

4. The base plates can be round, square, or rectangular. If round, the diameter of the base plate must be at least 6" (150 mm) with a 4.5" (114 mm) bolt circle. If square, the base plate must be at least 4" by 4" (100 mm by 100 mm). If rectangular, the base plate must be 6" by 2" (150 mm by 50 mm). All base plates must be pre-drilled with two 3/8" (9.5 mm) diameter holes per plate for mounting. Each entire unit shall be hot dip galvanized after fabrication.

C. The bicycle racks shall be supported as indicated on the Drawings. The Class II racks and the Class III Rack Type 1 shall be supported on either existing or newly placed Portland cement concrete slabs. The Class III, Rack Types 2 and 3, can be placed on either existing or new slabs; however, these racks require additional underslab support of the steel pipe with p.c. concrete encasement as indicated in Standard Detail 710S-1 (sheets 2 and 3).

The construction of the new slabs shall be completed in accordance with Standard Specification Item Number 432S, "Concrete Sidewalks". Unless noted otherwise on the Drawings, the slab shall be 4 inches (100 mm) in thickness.

710S.5 Installation of Bicycle Racks

Bicycle parking racks shall be installed in existing paver sidewalks, new paver sidewalks and concrete sidewalks in accordance with Standard Details 710S-3, 710S-4 and 710S-5, respectively.

710S.6 Measurement

Bicycle Parking Racks shall be measured per each, complete and in place and any new p.c. concrete slab will be measured by the square foot (square meter: 1 square meter is equal to 10.764 square feet) of surface area of "Bicycle Parking Concrete Pad".

710S.7 Payment

The installation of Bicycle Parking Racks, as described by this Specification Item, will be paid for at the unit bid price per each. The construction of a p.c. concrete bicycle-parking pad will be paid for at the unit bid price per square foot for "Concrete Bicycle Parking Pad".

The unit bid prices shall include full compensation for the specified equipment items; the excavation, removal and disposal of existing sidewalk, location, placement and installation of parking racks; all materials, including all steel pipe and plate, screws, nuts and bolts, reinforcing steel and concrete; placing and finishing the concrete pad, and all labor, tools, and incidentals necessary to complete the work.

Payment will be made under:

Pay Item No. 710S-A:	Class II Bicycle Rack	Per Each.
Pay Item No. 710S-B:	Class III, Type 1 Bicycle Rack	Per Each.
Pay Item No. 710S-C:	Class III, Type 2 Bicycle Rack	Per Each.
Pay Item No. 710S-D:	Class III, Type 3 Bicycle Rack	Per Each.
Pay Item No. 710S-E:	Class III, Other Type Bicycle Rack	Per Each.
Pay Item No. 710S-F:	4 inch Concrete Bicycle Parking Pad	Per Square Foot.

End

<i>SPECIFIC</i> CROSS REFERENCE MATERIALS
Standard Specification Item Number 710S, "Bicycle Racks"

City of Austin Standard Specifications	
<u>Designation</u>	<u>Description</u>
Item No. 403S	Concrete for Structures
Item No. 406S	Reinforcing Steel
Item No. 407S	Fibrous Concrete
Item No. 408	Expansion Joint Materials
Item No. 409	Membrane Curing

Item No. 410 Concrete Structures
 Item No. 432S Concrete Sidewalks

<i>SPECIFIC</i> CROSS REFERENCE MATERIALS - Continued
Standard Specification Item Number 710S, "Bicycle Racks"

City of Austin Standard Details

<u>Designation</u>	<u>Description</u>
710S-1	Class III Style Bicycle Parking
710S-2	Class II Style Bicycle Parking
710S-3	Bicycle Rack Installation in Concrete Paver Sidewalk – Alternate 1
710S-4	Bicycle Rack Installation in Concrete Sidewalk – Alternate 1
710S-5	Bicycle Rack Installation in Sidewalk – Alternate 2

American Society for Testing and Materials (ASTM)

<u>Designation</u>	<u>Description</u>
ASTM A 36	Specification for Structural Steel
ASTM A 123	Specification for Zinc (Hot-Dipped Galvanized) Coatings on Iron and Steel Products

<i>RELATED</i> CROSS REFERENCE MATERIALS

City of Austin Standard Contract Documents

<u>Designation</u>	<u>Description</u>
00700	General Conditions
01500	Temporary Facilities
01550	Public Safety and Convenience

City of Austin Standard Specifications

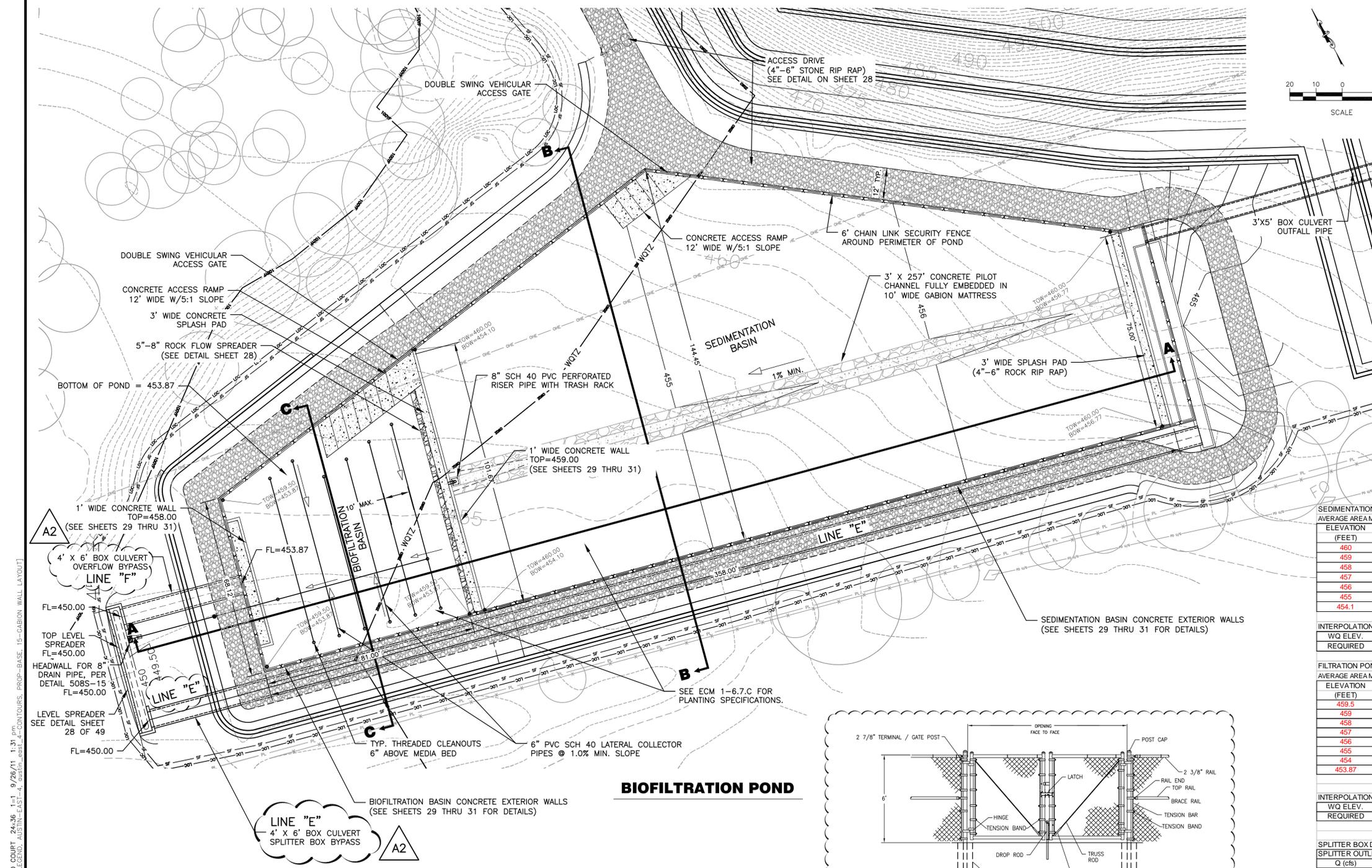
<u>Designation</u>	<u>Description</u>
Item No. 102S	Clearing and Grubbing
Item No. 104S	Removing Concrete
Item No. 110S	Street Excavation
Item No. 111S	Excavation
Item No. 132S	Embankment
Item No. 201S	Subgrade Preparation
Item No. 405	Concrete Admixtures
Item No. 406	Reinforced Steel Tolerances
Item No. 411	Surface Finishes for Concrete
Item No. 602S	Sodding for Erosion Control
Item No. 604S	Seeding for Erosion Control
Item No. 610S	Preservation of Trees and Other Vegetation
Item No. 642S	Silt Fence

Texas Department of Transportation: Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges

<u>Designation</u>	<u>Description</u>
Item 420	Concrete Structures
Item 421	Hydraulic Cement Concrete
Item 427	Surface Finishes for Concrete
Item 437	Concrete Admixtures
Item 440	Reinforcing Steel

American Society for Testing and Materials (ASTM)

<u>Designation</u>	<u>Description</u>
A-496	Standard Specification for Steel Wire, Deformed for Concrete Reinforcement
A-615/615M	Standard Specification for Deformed and Plain Billet-Steel Bars for Concrete Reinforcement



LEGEND	
EXISTING	PROPOSED
—	SIGN
—	UTILITY POLE
—	OVERHEAD ELECTRIC LINE
—	CHAIN-LINK FENCE
—	PROPERTY LINE
—	GAS LINE
—	WATER LINE
—	WASTEWATER LINE
—	UNDERGROUND FIBEROPTIC LINE
—	WATER METER
—	WATER VALVE
—	FIRE HYDRANT
—	ELECTRIC METER
—	ELECTRIC PULLBOX
—	BORE HOLE
—	RAILROAD TRACKS
—	WASTEWATER CLEAN OUT
—	UNDERGROUND FIBER OPTIC LINE MARKER
—	UNDERGROUND GAS LINE MARKER
—	COMMUNICATIONS MANHOLE
—	TELEPHONE MANHOLE
—	TELEPHONE PEDESTAL
—	GAS VALVE
—	CONTOUR
—	TREE (TO REMAIN)
—	TREE PROTECTION LIMITS OF CONSTRUCTION
—	FILTER DIKE
—	SILT FENCE
—	ROCK BERM
—	STORM SEWER LINE
—	FLOW DIRECTION

SEDIMENTATION POND:
AVERAGE AREA METHODOLOGY ((A1+A2)/2)*D

ELEVATION (FEET)	AREA (SF)	DEPTH (FT)	INCREMENTAL VOLUME (CF)	STORAGE VOLUME (CF)	VOLUME (AC-FT)
460	30,160	1.0	30,160	138,734	3.185
459	30,160	1.0	30,160	108,574	2.493
458	30,160	1.0	30,160	78,414	1.800
457	30,160	1.0	26,548	48,254	1.108
456	22,936	1.0	16,856	21,706	0.498
455	10,777	0.9	4,849	4,849	0.111
454.1	0	0	0	0	0.000

INTERPOLATION:

WQ ELEV.	ELEVATION	STORAGE (CF)
REQUIRED	458.50	93,494

FILTRATION POND:
AVERAGE AREA METHODOLOGY ((A1+A2)/2)*D

ELEVATION (FEET)	AREA (SF)	DEPTH (FT)	INCREMENTAL VOLUME (CF)	STORAGE VOLUME (CF)
459.5	5,611	0.5	2,805	31,589
459	5,611	1.0	5,611	28,783
458	5,611	1.0	5,611	23,173
457	5,611	1.0	5,611	17,562
456	5,611	1.0	5,611	11,951
455	5,611	1.0	5,611	6,340
454	5,611	0.13	729	729
453.87	5,611	0.0	0	0

INTERPOLATION:

WQ ELEV.	ELEVATION	STORAGE (CF)
REQUIRED	458.00	23,173

SPLITTER BOX DESIGN:

SPLITTER OUTLET: 25-yr STORM		SPLITTER OUTLET: 100-yr STORM	
Q (cfs)	179.51	Q (cfs)	246.27
A (sf)	125.00	A (sf)	125.00
H (ft)	0.09	H (ft)	0.17
Water Elev.	458.59	Water Elev.	458.67
Water Velocity	1.44 fps	Water Velocity	1.97 fps

RISER PIPE ORIFICE SIZING

WQ Elev.	458.50
Bottom of Pond	454.10
Center of Orifice to Bottom of Pond	0.13 feet
Average Head to Center of Orifice	4.27 feet
Orifice Size	3.00 inches
Average Flowrate for Orifice	0.49 cfs
Water Quality Volume	93,494 cf
Drawdown Time	53.14 hours

THESE PLANS ARE COMPLETE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND IN COMPLIANCE WITH THE CITY OF AUSTIN DEVELOPMENT CODE.

SITE PLAN RELEASE Sheet 26 of 49

FILE NUMBER: SP-2010-0270C EXPIRATION DATE: _____

CASE MANAGER: SUE WELCH APPLICATION DATE: 09/17/2010

APPROVED ADMINISTRATIVELY ON: _____

APPROVED BY PLANNING COMMISSION ON: — N/A —

APPROVED BY CITY COUNCIL ON: — N/A —

under Section _____ of Chapter _____ of the Austin City Code.

CITY OF AUSTIN PLANNING AND DEVELOPMENT REVIEW DEPARTMENT

DATE OF RELEASE _____ Zoning: _____

Rev. 1 _____ Correction 1 _____

Rev. 2 _____ Correction 2 _____

Rev. 3 _____ Correction 3 _____

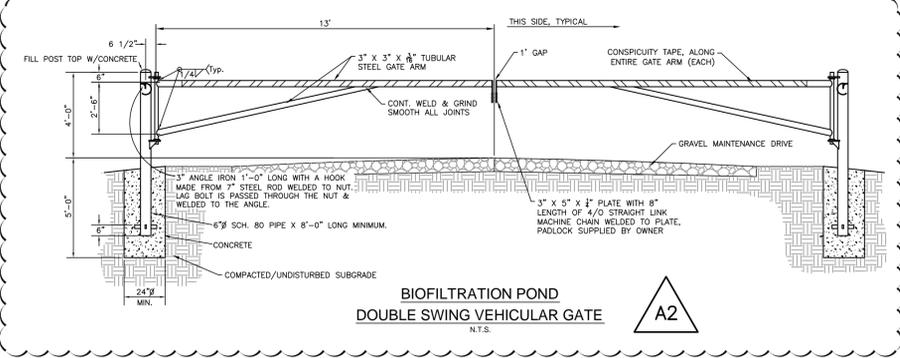
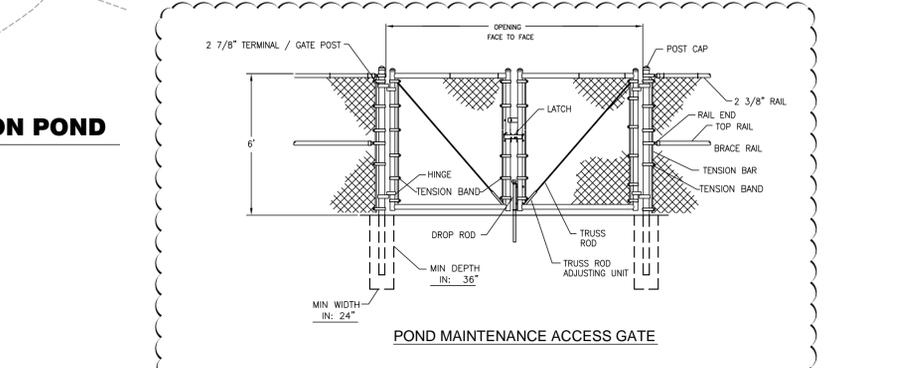
- CONSTRUCTION NOTES:**
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A MINIMUM OF ONE FOOT OF COVER OVER STORM DRAIN LINES AT ALL TIMES.
 - POSITIVE DRAINAGE SHALL BE MAINTAINED ON ALL SURFACE AREAS WITHIN THE SCOPE OF THIS PROJECT. CONTRACTOR SHOULD TAKE PRECAUTIONS NOT TO ALLOW ANY PONDING OF WATER.
 - ALL DISTURBED AREAS SHALL BE RE-VEGETATED IN ACCORDANCE WITH PROJECT SPECIFICATIONS AND LANDSCAPING AREAS.
 - ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THE SCOPE OF THIS CONTRACT WHERE NOT SPECIFICALLY COVERED IN THE PROJECT SPECIFICATIONS SHALL CONFORM TO ALL APPLICABLE LOCAL STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION) AND/OR TEXAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (LATEST EDITION).
 - CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY QUESTIONS THAT MAY ARISE CONCERNING THE INTENT, PLACEMENT, OR LIMITS OF DIMENSIONS OR GRADES NECESSARY FOR CONSTRUCTION OF THIS PROJECT.
 - THE CONTRACTOR SHALL CONSTRUCT EARTHEN EMBANKMENTS WITH SLOPES NO STEEPER THAN 3:1 AND COMPACT SOIL TO 95% OF MAXIMUM DENSITY IN ACCORDANCE WITH CITY OF AUSTIN STANDARD SPECIFICATIONS.

COA ECM APPENDIX R-6
FULL OR PARTIAL BIOFILTRATION POND CALCULATIONS FOR DEVELOPMENT PERMITS

DRAINAGE AREA DATA:	Required	Provided
Drainage Area to Control Total	21.434 ac	21.434 ac
Porous Pavement in Drainage Area	0.00 ac	0.00 ac
Updated Drainage Area to Control (DA)	21.43 ac	21.43 ac
Drainage Area Impervious Cover	18.857 ac	18.857 ac
Drainage Area Impervious Cover	88.0%	88.0%
Capture Depth (CD=0.5+(C17*100-20)/100)	1.18 in	1.18 in

WATER QUALITY CONTROL CALCULATIONS:	Required	Provided
The Water Quality Control method is to be BIOFILTRATION		
25-year Peak Flow Rate to Control (Q25)	179.51 cfs	179.51 cfs
100-year Peak Flow Rate to Control (Q100)	246.27 cfs	246.27 cfs
Water Quality Volume (WQV=CD*DA*3630)	91,793 cf	93,494 cf
Maximum Ponding Depth in Sedimentation Pond (H)	4.40 ft	4.40 ft
Full Sedimentation Pond Volume (100% of WQV)	91,793 cf	93,494 cf
Filtration Pond Area (WQV/(7+2.33*H))	5,321 sf	5,611 sf
Filtration Pond Volume (min. 20% of WQV)	18,359 cf	23,173 cf

SEE SHEET 42 FOR BIOFILTRATION POND LANDSCAPING PLAN.



NOTE: SPLITTER BOX WEIR ELEVATION FL=458.50

SEE SHEET 30 OF 49 FOR SPLITTER BOX STRUCTURAL DETAILS

DAVCAR ENGINEERING
Austin, Texas 78746
P: (512) 328-4428
F: (512) 306-8330

NO.	BY	DATE	REVISION
1	AW	12/07/11	STORM LINES "E" AND "F" PROFILE ADDED FOR CLARIFICATION
2	AW	12/07/11	DOUBLE SWING VEHICULAR GATE DETAIL
3	AW	12/07/11	POND MAINTENANCE ACCESS GATE DETAIL

CITY OF AUSTIN
EAST REGIONAL SERVICES CENTER IMPROVEMENTS
6101 1/2 HAROLD COURT, AUSTIN, TEXAS 78721

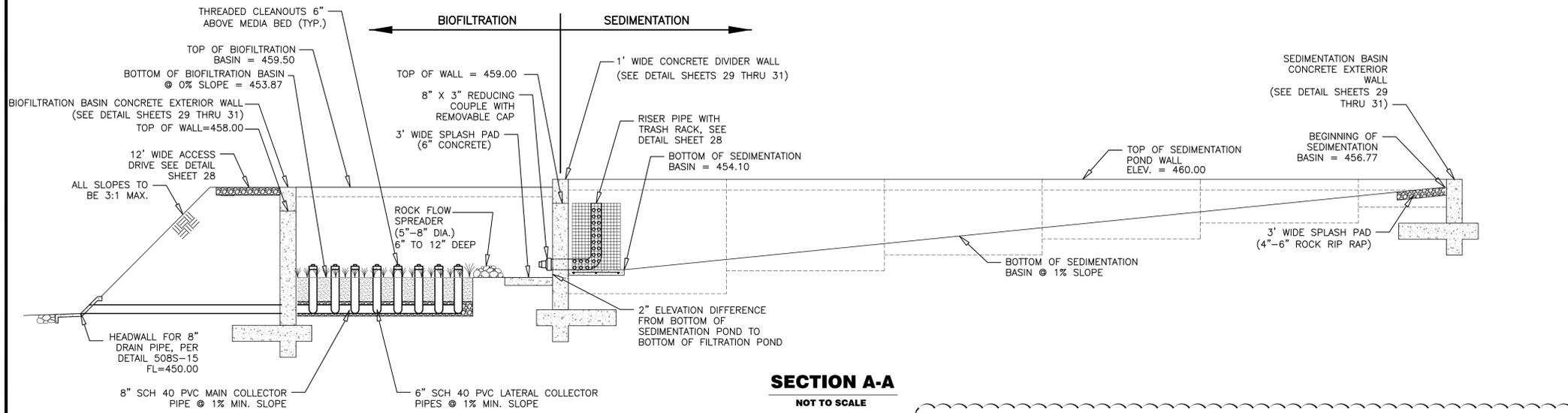
BIOFILTRATION POND PLAN

ALL RESPONSIBILITY FOR THE DESIGN OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN THE CITY OF AUSTIN, TEXAS THE CITY ENGINEER'S REVIEW OF THESE PLANS IS FOR THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

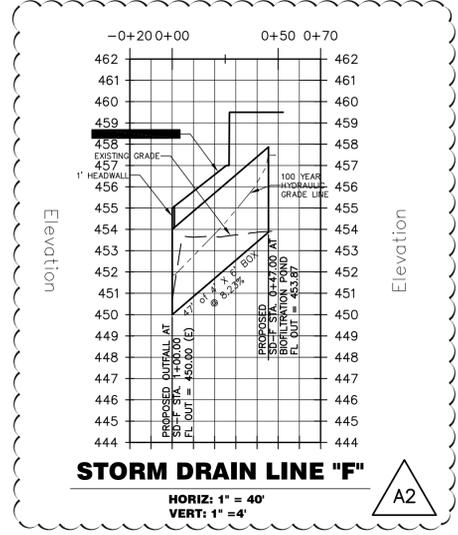
DESIGNED BY: D. CARROLL
DRAWN BY: R. SPENCER
CHECKED BY: A. WIGHAMMAN
REVIEWED BY:



RWS: 26-07-BIOFILTRATION POND.dwg K:\Projects\City\Projects\Permitting (01-14-2011)\6101-1/2 HAROLD COURT 24-26 1-1 0/06/11 1:31 pm
 Xrefs: T:\Harold Court\Sheets\Permitting (01-14-2011)\REFS\DC-BORDER2426-EXIST-BASE, LEGEND, AUSTIN-EAST-4, austin-east-4-contours, PROP-BASE, 15-CAGON WALL LAYOUT

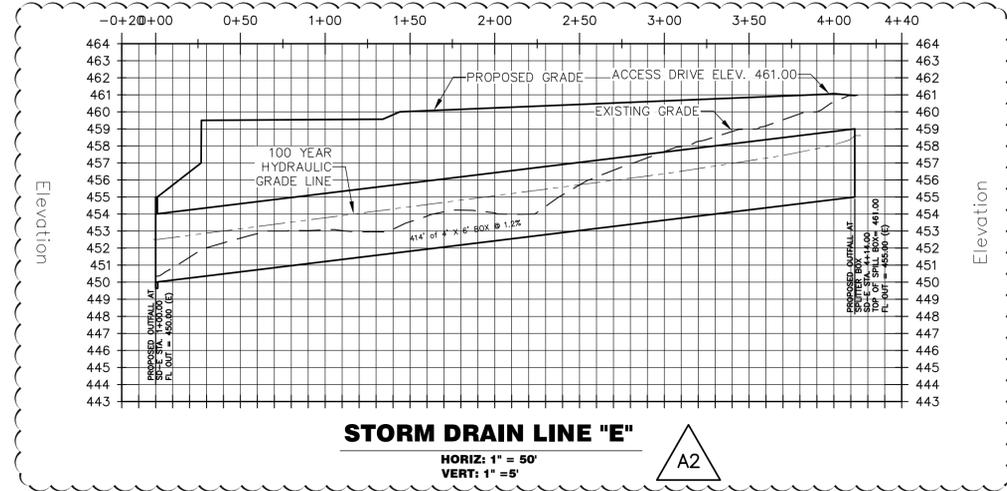


SECTION A-A
NOT TO SCALE



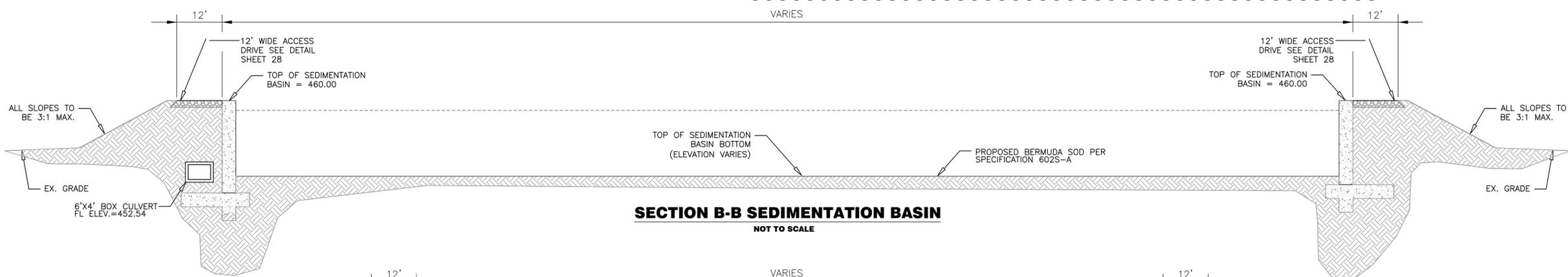
STORM DRAIN LINE "F"

HORIZ: 1" = 40'
VERT: 1" = 4'

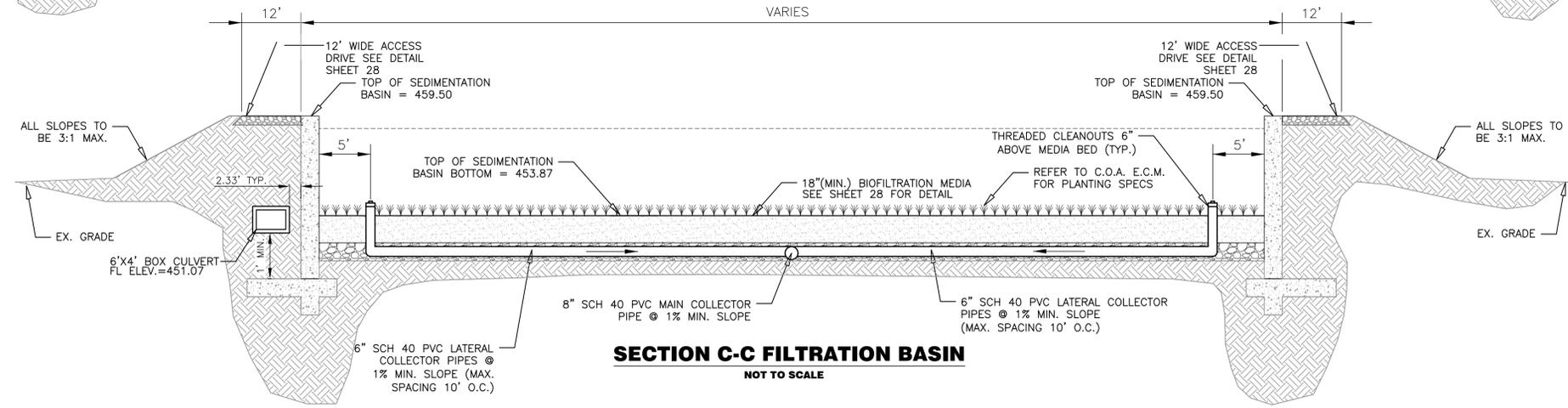


STORM DRAIN LINE "E"

HORIZ: 1" = 50'
VERT: 1" = 5'



SECTION B-B SEDIMENTATION BASIN
NOT TO SCALE



SECTION C-C FILTRATION BASIN
NOT TO SCALE

THESE PLANS ARE COMPLETE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND IN COMPLIANCE WITH THE CITY OF AUSTIN DEVELOPMENT CODE.

SITE PLAN RELEASE Sheet 27 of 49	
FILE NUMBER: SP-2010-0270C	EXPIRATION DATE: _____
CASE MANAGER: SUE WELCH	APPLICATION DATE: 09/17/2010
APPROVED ADMINISTRATIVELY ON: _____	
APPROVED BY PLANNING COMMISSION ON: - N/A -	
APPROVED BY CITY COUNCIL ON: - N/A -	
under Section _____ of Chapter _____ of the Austin City Code.	
CITY OF AUSTIN PLANNING AND DEVELOPMENT REVIEW DEPARTMENT	
DATE OF RELEASE _____	Zoning: _____
Rev. 1 _____	Correction 1 _____
Rev. 2 _____	Correction 2 _____
Rev. 3 _____	Correction 3 _____

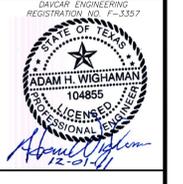
SP-2010-0270C

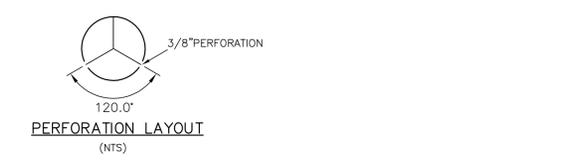
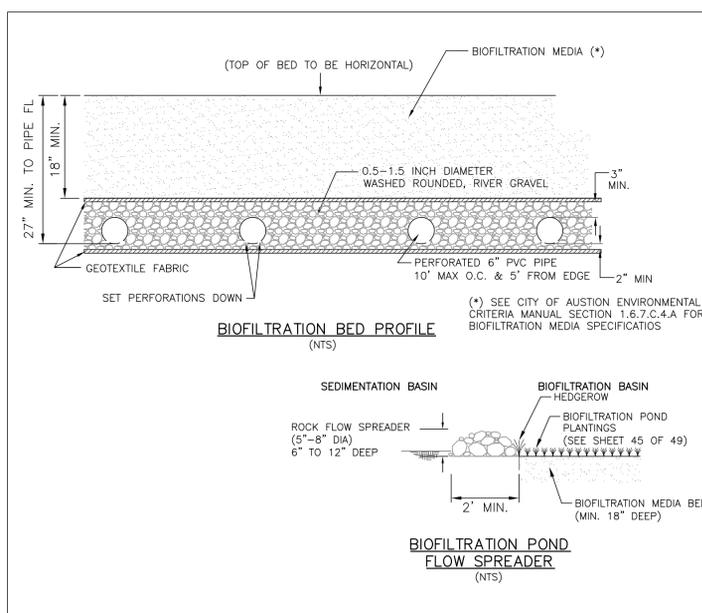
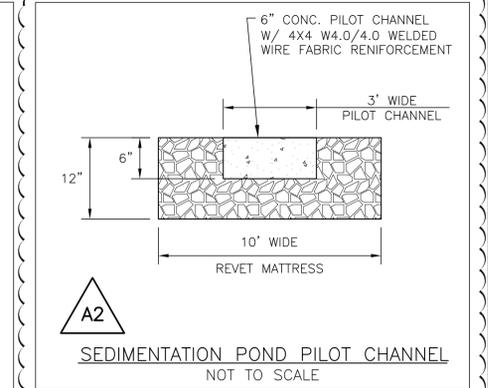
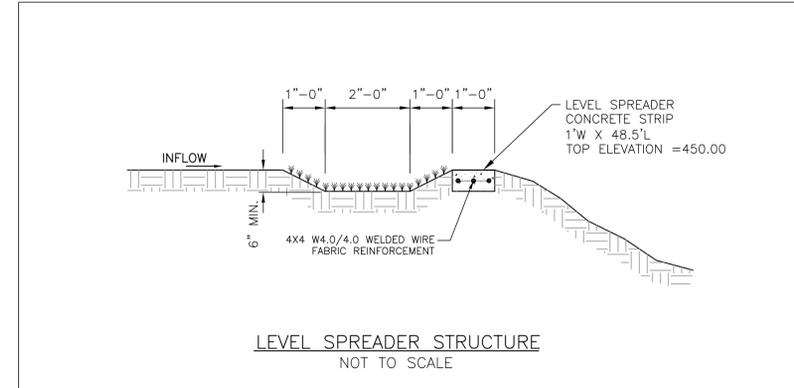
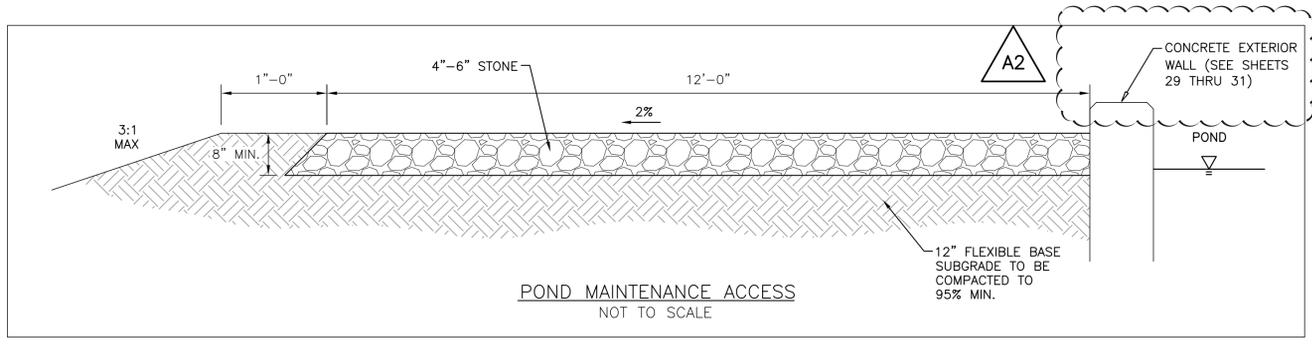
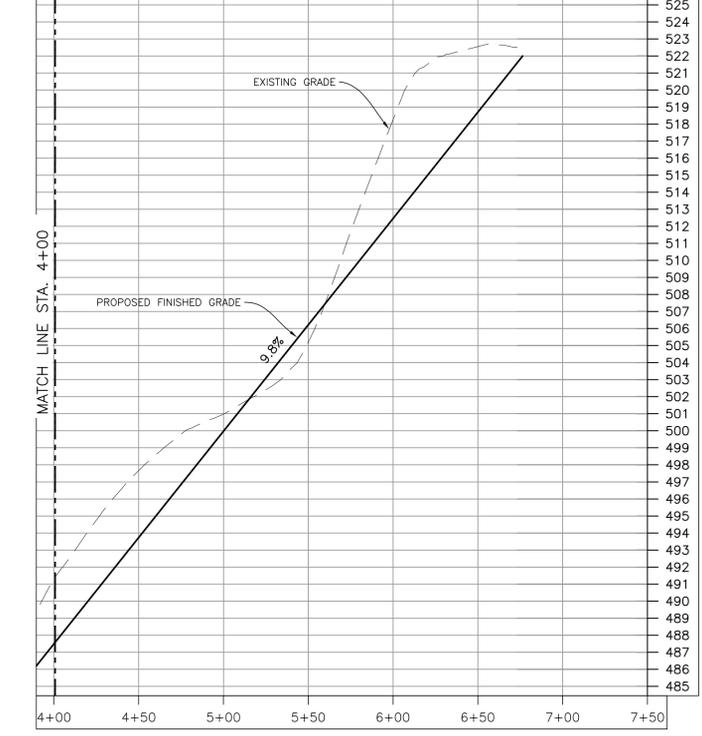
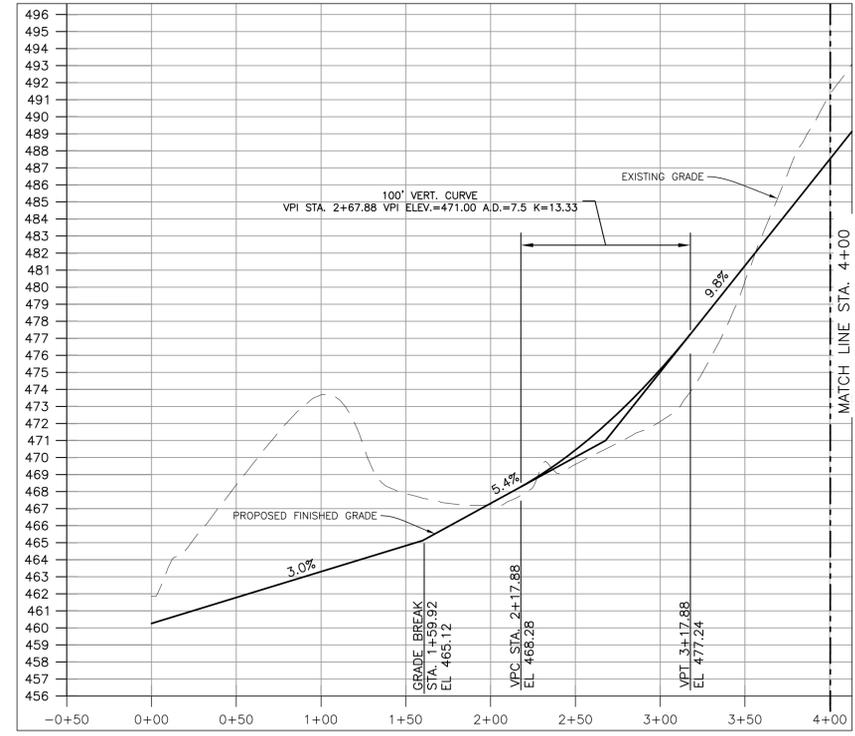
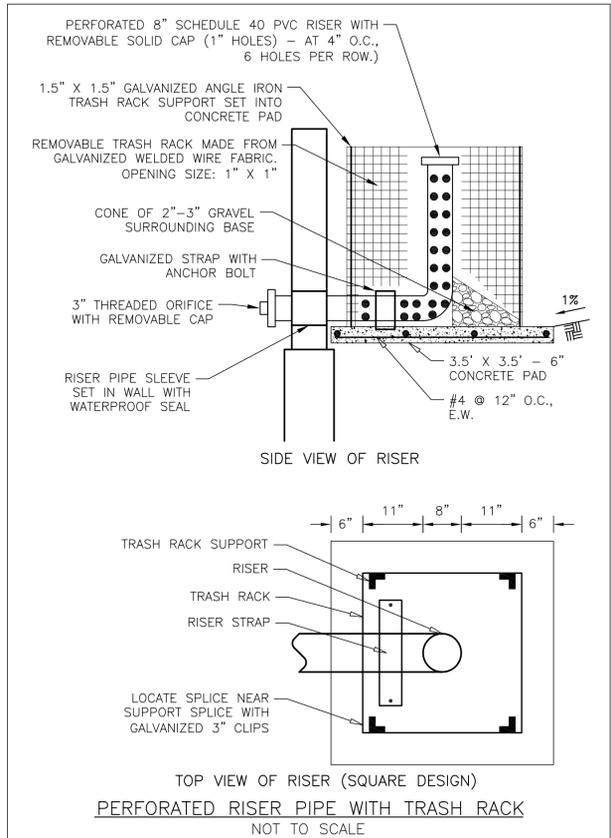
DAVCAR ENGINEERING
 1010 Land Creek Cove, Ste 200
 Austin, Texas 78746
 P: (512) 328-4428
 F: (512) 306-8330

CITY OF AUSTIN
EAST REGIONAL SERVICES CENTER IMPROVEMENTS
6101 1/2 HAROLD COURT, AUSTIN, TEXAS 78721
BIOFILTRATION POND CROSS SECTIONS

ALL RESPONSIBILITY FOR THE ACCURACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN APPROVING THESE PLANS, THE CITY OF AUSTIN, TEXAS ACKNOWLEDGES THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

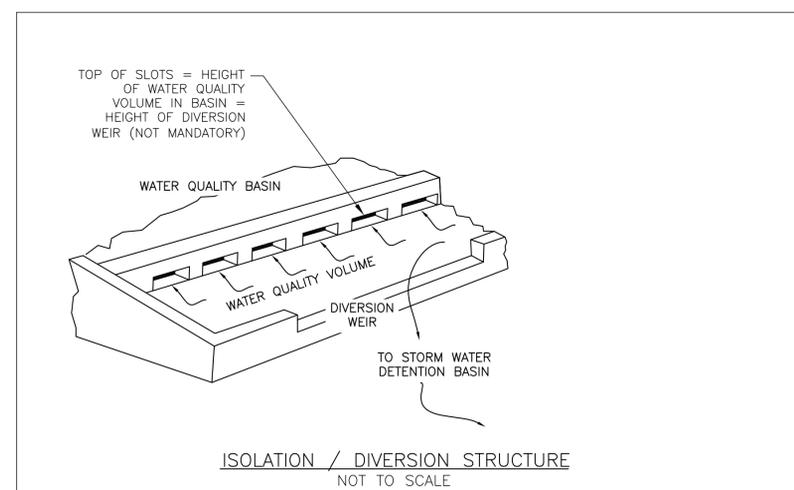
DESIGNED BY: D. CARROLL
 DRAWN BY: R. SPENCER
 CHECKED BY: A. WIGHAMMAN
 REVISED BY: _____





GEOTEXTILE FABRIC SPECIFICATIONS (C.O.A SPECIFICATION 628S)

PROPERTY	TEST METHOD	UNIT	SPECIFICATION
MATERIAL	GEOTEXTILE FABRIC		
FABRIC WEIGHT	ASTM D-3776	Oz/Sq.Yd.	≥3.0 (MIN.)
ULTRAVIOLET (UV) RADIATION STABILITY RETAINED AFTER 500 HOURS IN XENON ARC DEVICE	ASTM D-4355	%	70
MULLEN BURST STRENGTH	ASTM D-3786	PSI	≥120 (MIN.)
WATER FLOW RATE	ASTM D-4491	GAL./MIN./S.F.	≥275



THESE PLANS ARE COMPLETE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND IN COMPLIANCE WITH THE CITY OF AUSTIN DEVELOPMENT CODE.

SITE PLAN RELEASE Sheet 28 of 49

FILE NUMBER: SP-2010-0270C EXPIRATION DATE: _____
CASE MANAGER: SUE WELCH APPLICATION DATE: 09/17/2010

APPROVED ADMINISTRATIVELY ON: _____
APPROVED BY PLANNING COMMISSION ON: - N/A -
APPROVED BY CITY COUNCIL ON: - N/A -
under Section _____ of Chapter _____ of the Austin City Code.

CITY OF AUSTIN PLANNING AND DEVELOPMENT REVIEW DEPARTMENT
DATE OF RELEASE _____ Zoning: _____
Rev. 1 _____ Correction 1 _____
Rev. 2 _____ Correction 2 _____
Rev. 3 _____ Correction 3 _____

RWS: 28-BIOFILTRATION DETAILS (Rev. K: Harold, Court) SHEETS PERMITTING (01-31-2011) HAROLD COURT 24-26, 1=1, 7/15/11, 8:13 am
Xref: K: Harold Court SHEETS PERMITTING (01-31-2011) VAREFS3, DC-BORDER24-26, EXIST-BASE-VOLUMES, AUSTIN-EAST-4, austin_east_4-contours, EXIST-BASE-VOLUMES(7-6-2011)

DAVCAR ENGINEERING
1010 Land Creek Cove, Ste 200
Austin, Texas 78746
P: (512) 328-4428
F: (512) 306-8330

CITY OF AUSTIN
EAST REGIONAL SERVICES CENTER IMPROVEMENTS
6101 1/2 HAROLD COURT, AUSTIN, TEXAS 78721

BIOFILTRATION POND DETAILS

DESIGNED BY: D. CARROLL
DRAWN BY: R. SPENCER
CHECKED BY: A. WIGHAMAN
REVISED BY: _____

ALL RESPONSIBILITY FOR THE DESIGN OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN APPROVING THESE PLANS, THE CITY OF AUSTIN, TEXAS ACKNOWLEDGES THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

DAVCAR ENGINEERING
REGISTRATION NO. 7-5557
DAVID A. CARROLL
62705
LICENSED PROFESSIONAL ENGINEER
8/15/11

SHEET 28 OF 49

SP-2010-0270C



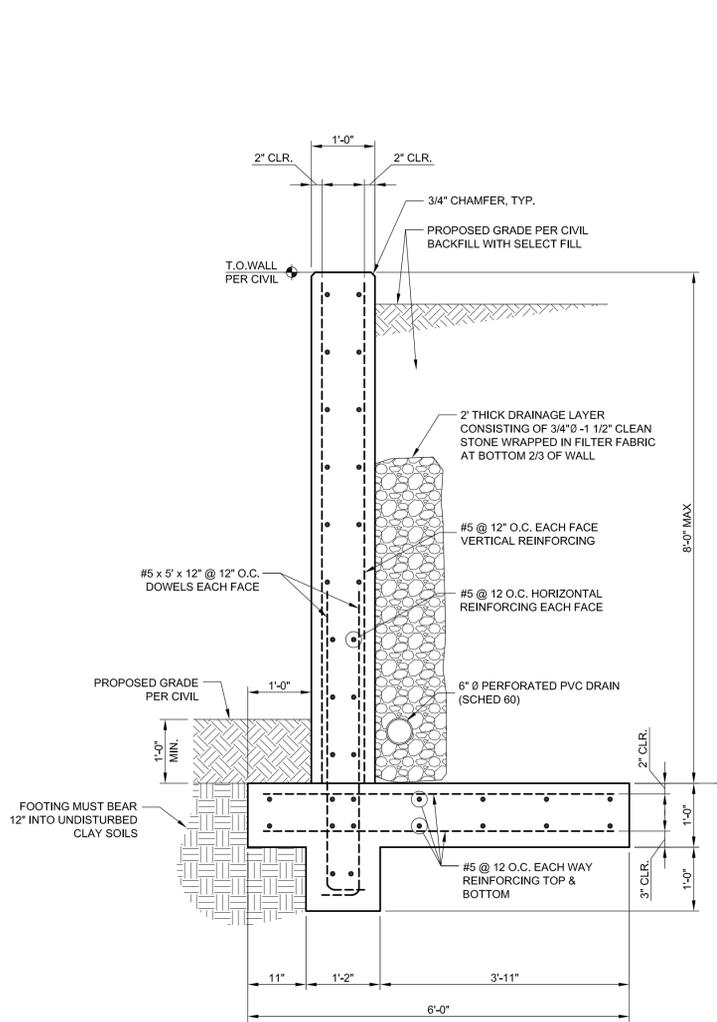
NO.	DATE	DESCRIPTION	REVISION
1	10/26/11	ADD/REMOVE	

CITY OF AUSTIN
EAST REGIONAL SERVICES CENTER IMPROVEMENTS
6101 1/2 HAROLD COURT, AUSTIN, TEXAS 78721

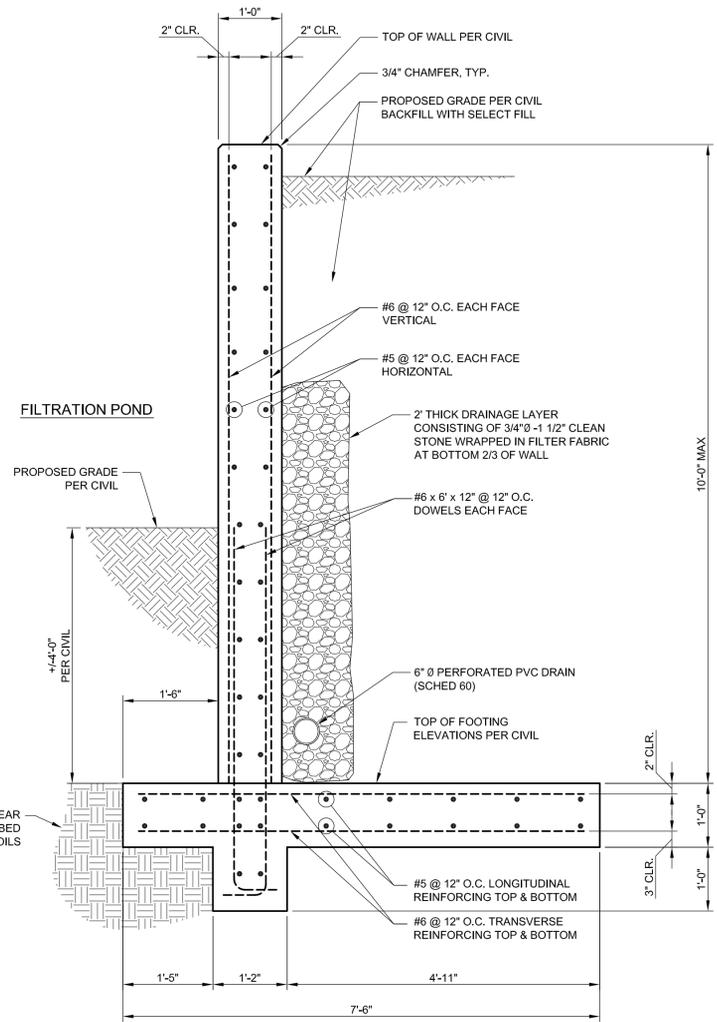
BIOFILTRATION POND WALL
SECTIONS AND DETAILS

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS AND THE ACCURACY OF THE INFORMATION PROVIDED HEREON, WHO PREPARED THEM, IN APPROVING THESE PLANS, THE CITY OF AUSTIN, TEXAS MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

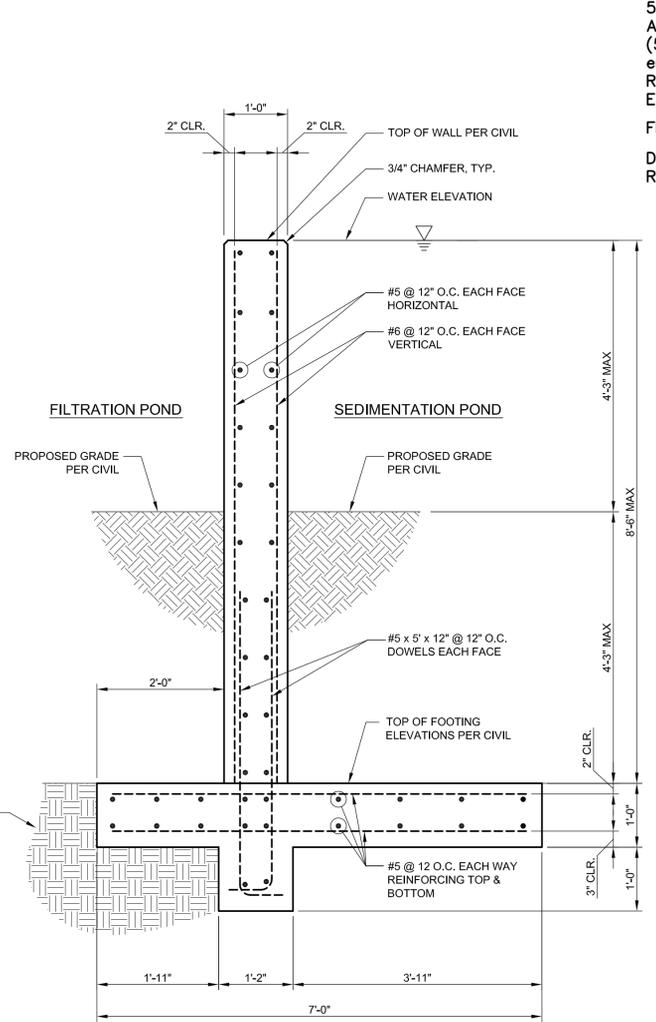
DESIGNED BY: Z. LINDAUER
 DRAWN BY: B. GULLEY
 CHECKED BY: F. LAM
 REVISED BY:



BEARING CAPACITY	MAX BEARING PRESSURE	EQUIVALENT FLUID PRESSURE	VERTICAL SURCHARGE	FACTOR OF SAFETY SLIDING	FACTOR OF SAFETY OVERTURNING
2500 PSF	2155 PSF	40 PSF	250 PSF	1.87>1.5	2.93>2



BEARING CAPACITY	MAX BEARING PRESSURE	EQUIVALENT FLUID PRESSURE	VERTICAL SURCHARGE	FACTOR OF SAFETY SLIDING	FACTOR OF SAFETY OVERTURNING
2500 PSF	2489 PSF	40 PSF	250 PSF	3.33>1.5	3.18>2

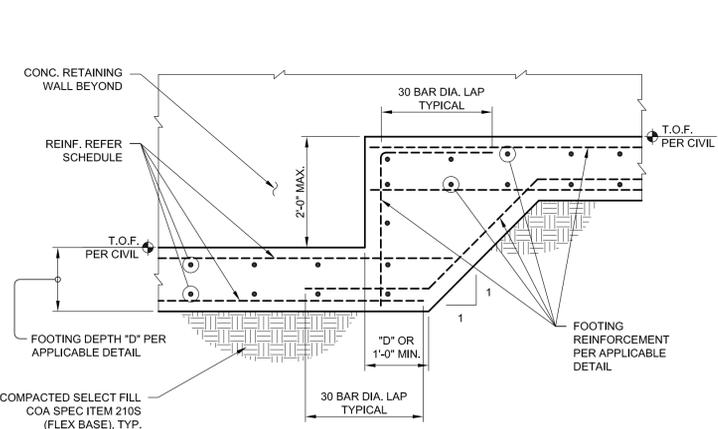


BEARING CAPACITY	MAX BEARING PRESSURE	EQUIVALENT FLUID PRESSURE	VERTICAL SURCHARGE	FACTOR OF SAFETY SLIDING	FACTOR OF SAFETY OVERTURNING
2500 PSF	2053 PSF	62.4 PSF	0 PSF	2.42>1.5	2.06>2

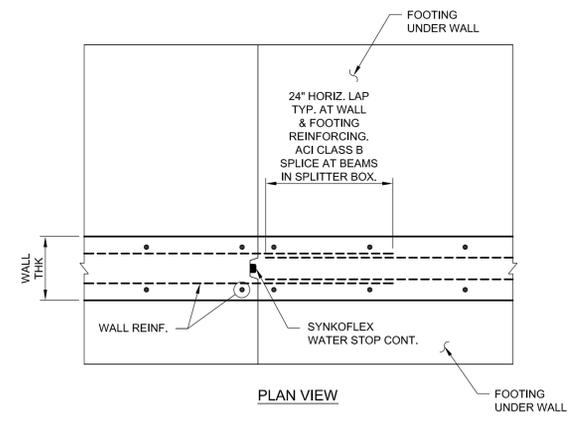
1 SECTION AT SEDIMENTATION POND AND RAMP WALLS
 SCALE: 3/4" = 1'-0"

2 SECTION AT FILTRATION POND
 SCALE: 3/4" = 1'-0"

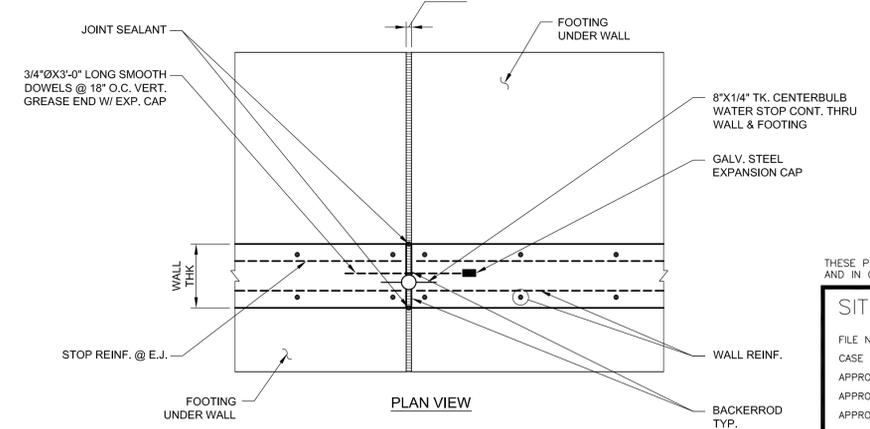
3 SECTION AT WEIR SEDIMENTATION / FILTRATION / OUTLET
 SCALE: 3/4" = 1'-0"



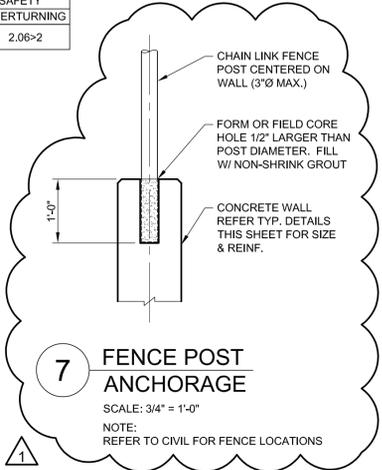
4 TYP. STEP FOOTING DETAIL
 SCALE: 3/4" = 1'-0"



5 TYP. WALL CONSTRUCTION JOINT (C.J.) DETAIL
 MAXIMUM SPACING 20'-0" O.C.
 SCALE: 3/4" = 1'-0"



6 TYP. WALL EXPANSION JOINT (E.J.) DETAIL
 MAXIMUM SPACING 60'-0" O.C.
 SCALE: 3/4" = 1'-0"



7 FENCE POST ANCHORAGE
 SCALE: 3/4" = 1'-0"
 NOTE: REFER TO CIVIL FOR FENCE LOCATIONS

THESE PLANS ARE COMPLETE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND IN COMPLIANCE WITH THE CITY OF AUSTIN DEVELOPMENT CODE.

SITE PLAN RELEASE Sheet 49 of 49

FILE NUMBER: SPC-2010-0270C EXPIRATION DATE: _____
 CASE MANAGER: SUE WELCH APPLICATION DATE: 09/17/2010
 APPROVED ADMINISTRATIVELY ON: _____
 APPROVED BY PLANNING COMMISSION ON: - N/A -
 APPROVED BY CITY COUNCIL ON: - N/A -
 under Section _____ of Chapter _____ of the Austin City Code.

CITY OF AUSTIN WATERSHED PROTECTION AND DEVELOPMENT REVIEW

DATE OF RELEASE _____ Zoning: _____
 Rev. 1 _____ Correction 1 _____
 Rev. 2 _____ Correction 2 _____
 Rev. 3 _____ Correction 3 _____

