

ADDENDUM NO. 1

CITY OF SAN ANTONIO TRANSPORTATION & CAPITAL IMPROVEMENTS

PROJECT NAME: BARBARA DRIVE DRAINAGE PROJECT (McCULLOUGH AVE TO SKIPPER DR)

DATE: 01/12/2017

ADDENDUM NO. 1

This addendum should be included in and be considered part of the plans and specifications for the name of the project. The contractor shall be required to sign an acknowledgement of the receipt of this addendum and submit with their bid. Where provisions of the following supplementary data differ from those of the original Construction Documents, the Addendum shall govern and take precedence.

TCI PROJECT NO.: 23-01398

1. Minutes of the Pre-Bid Meeting of 1/10/2017 are attached for Bidders Information.

CHANGES TO BID DOCUMENTS:

2. Substitute and utilize updated "020 BID FORM" which was revised to include Add Alt #3 "Channel Excavation, and Transport/Disposal of Material to Landfill Facility"
3. The following Specifications were added to the project:
 - a. CoSA Spl Spec 9999 "Channel Excavation, and Transport/Disposal of Material to Landfill Facility" (attached)
 - b. CoSA Spl Spec 6004 "Utility Pole Bracing (attached)
 - c. CoSA Standard Spec 508 "Relocating Wire Fence"
 - d. TxDOT Standard Spec 450 "Railing"
4. Substitute and utilize the updated "025 UNIT PRICING FORM" which was revised as follows:
 - e. Added Section for ADD ALT #3 which includes Bid Item 9999 "Channel Excavation, Transport/Disposal of Material to Landfill Facility" per CY; quantity estimated at 112,937 CY
 - f. Added Bid Item 205.5 "Hot Mix Asphaltic Pavement, Type B (2.5" Comp. Depth) (PG 70-22)" per SY; quantity estimated at 293 SY.
 - g. Reduced quantity for Bid Item 205.5 "Hot Mix Asphaltic Pavement, Type B (2.5" Comp. Depth) (PG 64-22)" to 679 SY.
 - h. Added Bid Item 508.1 "Relocating Wire Fence" per LF; quantity estimated at 150 LF

- i. Added Bid Item 6004.1 “Utility Pole Bracing” per Each; quantity estimated at 1 EA
 - j. Added Bid Item 450-6042 “Rail (TY PR1)” per LF; quantity estimated at 113 LF
 - k. Reduced quantity for Bid Item 450-6051 “Rail (TY E)” to 525 LF.
5. Utilize the attached HEAVY HIGHWAY WAGE DECISION MOD #0 Published 1/6/2017
 6. Schedule for this project shall utilize a 6 calendar day work week.

CHANGES TO PLANS:

7. Substitute and utilize updated “Typical Sections” (Sheet Nos. 8 - 10) revised to clarify minimum PG Binders for asphalt.
8. Substitute and utilize “SUPPLEMENTAL GENERAL NOTES” (Sheet No. 12) revised to include detailed notes regarding Channel Excavation, Transport/Disposal of Material to a Landfill Facility (ADD. ALT. #3).
9. Substitute and utilize updated “Traffic Control & SW3P Sequence of Work” (Sheet Nos. 28 & 30) revised to clarify location of chainlink fence to be relocated and include protection requirement notes for High Water Detection System.
10. Substitute and utilize updated “McCullough Ave Layout” (Sheet No. 53) revised to include protection requirement notes for High Water Detection System, and capping of existing irrigation system located in the ROW.
11. Substitute and utilize updated “Channel Wingwall Extension” (Sheet No. 70) revised to clarify location of existing High Water Detection System at McCullough Avenue, and add notes regarding requirements for utility bracing and protection of the System against damage for continued operation at all times during construction.
12. Substitute and utilize updated “Existing & Proposed Utility Layout” (Sheet No. 102) revised to include show existing High Water Detection System, protection notes and utility bracing requirements.
13. Added TxDOT Standard Specification “Rail (Type PR1)” designated as Sheet No. 108A.

Note: Addenda Acknowledge Form for Addendum No. 1 is attached herein. This form must be signed and submitted with the bid package.



CIVIL ENGINEERING CONSULTANTS
DON DURDEN, INC.
SAN ANTONIO • LAREDO
TEXAS FIRM REGISTRATION NUMBERS
ENGINEERING F-2214 & SURVEYING 100410

MINUTES OF PREBID MEETING

PROJECT: Barbara Drive Drainage

DATE: January 10, 2017, 10:00 am - 9th Floor Conference Room

ATTENDEES: Sign-In Sheet Attached

I. Project Information:

a. Project Scope:

This project will replace the existing drainage system, consisting of both concrete channel and underground storm sewer, with a 150-foot wide earthen channel designed to contain the 100-year floodplain. Improvements also include the realignment of Basin Drive from Shannon Lee Drive to the alley north of Sharon Drive.

b. Joint Bid Utilities: SAWS Sewer & SAWS Water

c. Additive Alternates:

- i. Additive Alternate #1: Improvements to the Tributary 4 storm sewer system from Barbara Drainage to Oblate
- ii. Additive Alternate #2: Installation of Trail Lighting

d. Estimated Construction Cost

i. Base Bid (COSA, SAWS Water & Sewer):	\$5,040,000
ii. Additive Alternate #1 (COSA & SAWS Water):	\$1,839,000
iii. Additive Alternate #2 (COSA):	<u>\$ 303,000</u>
	\$7,182,000

e. Schedule:

- i. Base Bid: 270 Calendar Days
- ii. Additive Alternate #1: 90 Additional Calendar Days
- iii. Estimated Construction Start: April 2017

The TCI project team facilitated the meeting and provided the Project Information above. Discussion during the pre-bid meeting is embedded within the meeting agenda and is shown in blue italics for clarity.

Contract Discussion. Manuel Garcia provided the following discussion on the requirements for this solicitation:

- *Restrictions on communications: Bidders are prohibited from communicating with City Staff or City Officials regarding this solicitation with the exception of the SBEDA staff for*

questions and/or assistance. Contact David Rodriguez (TCI-SBO) at David.Rodriguez3@sanantonio

- Any questions or concerns regarding this solicitation should be directed to the TCI Project Manager Eric Salazar by the deadline of **Friday, January 13th, 2017 by 12:00pm**. Answers to questions received during the Pre-Bid meeting and before the above deadline will be included by Addendum. Post meeting information can be found on the City of San Antonio TCI website.
 - **All Submittals are due January 24th, 2017 at 2:00pm** and will be read aloud in City Council Chambers at 114 W. Commerce, Municipal Plaza Building.
 - Hand deliver sealed bids to the Office of the City Clerk, City Hall, 100 Military Plaza, 2nd floor San Antonio, Tx 78205.
 - Meeting Minutes and other information pertinent to this solicitation will be posted to the City's website page for Barbara Drive Drainage Bid documents.
 - Labor Compliance
 - Adhere to Labor Compliance forms and regulations
 - Note that new Wage List published on 01/06/2017 will be utilized for this project; to be included by Addendum.
 - SBEDA requirements and goals were summarized by power point presentation during the meeting
 - Follow SBEDA requirements as presented; note that these requirements are also available on TCI website
 - Goals: 18% MWBE Minority/Women Owned Business Enterprise (M/WBE); 2% African American Owned Business Enterprise (AABE) of the 18% M/WBE
 - Subcontractor goal waivers
 - Time sensitive, comprehensive document
 - Geographic component needs to be fulfilled
 - Search CoSA Vendors for eligible list of Vendors
 - Direct any SBEDA questions to the Small Business Office
- II. Utilities:** No Utility Representatives were in attendance, with the exception of joint bidder SAWS. TCI stated that all Utilities will be clear prior to start of construction
- a. CPS
 - b. Grande
 - i. Attention was called to the Channel plans which include requirements for protecting the existing Grande cabinet and pole located adjacent to proposed channel work. Grande cabinet will remain in place and in service at all times.
 - c. AT&T
 - d. Time Warner
 - e. VIA
 - f. SAWS

It was noted that the Joint Bid Water and Sanitary Sewer plans include some work outside the TCI Barbara project limits, in particular replacement of the sewer line crossing at McCullough Avenue. Bid items and traffic control requirements are included in the SAWS plans to cover work in the areas beyond the TCI project limits.

III. City of San Antonio Departments

a. TCI Team:

- i. Addendum #1 – *Eric stated that the following changes would be included via Addendum*
 1. Additive Alternate #3 – Soil Disposal at Nelson Gardens
 - a. *Eric discussed the addition of Add Alt #3; he went on to summarize the intent of the Add Alt #3 which will require the transport and disposal of excess material from channel excavation to a designated landfill.*
 2. Pedestrian Rail at McCullough Headwall –
 - a. *Anticipate reissuing plan sheets to incorporate change to the pedestrian rail type on the culvert headwall located at McCullough Avenue.*
 3. Protection of High Water Detection System (HWDS) –
 - a. *This HWDS is located adjacent to the headwall at McCullough Avenue. This system will remain in place and functional at all times during construction. Plan sheets will be reissued clarifying this condition and requiring Contractor to protect against damage to the HWDS. A pay item for pole bracing will also be included.*
 4. Temporary Fence at 301 Shannon Lee –
 - a. *The resident located at this address will remain in place. A temporary fence will be required to provide separation between the project work area and this private property.*
 5. 6-Day Work Week –
 - a. *Contracts to provide the updated documentation that defines the work week as a 6 day work week.*
- ii. Preparation Right-of-Way – *Contractor advised to understand the limits of existing obstructions covered under Items 101 (Preparing ROW) and 103 (Removal of Curb, Sidewalk, and Driveways). Refer to the Typical Sections for pay limit details.*
- iii. Two Remaining Property Owners: 301 Shannon Lee and 274 Barbara – *Selected contractor expected to be sensitive to remaining residents and maintain coordinate as needed.*
- iv. *Public Involvement: Contractor expected to participate in the “Here We Come” public construction kick-off meeting.*

- b. Storm Water Engineering – No representative present
- c. Environmental –
 - i. *John Rodriguez (TCI-EMD) noted that there is AC Pipe present on this project and will require a work plan per the SAWS 3000 specification and approved by TCI before working on it. TCI does not expect to air test.*
 - ii. *Jennifer DiCoco (TCI-EMD) noted that this project has a Nationwide 43 Permit and is in the Karst Zone 3. The Nationwide Permit requires that the contractor protect the natural resources downstream of the project and the Karst Zone 3 indicates that underground voids may be found and may require investigation. Based on the estimated schedule, there may also be concerns with migratory birds. TCI will relocate those in birds in low laying areas; however, nests in trees may impact construction areas.*
 - iii. *Alice Landon (TCI-EMD) advised that they will need 72 hours' notice to approve soil distribution soils and if an alternate location is needed, another 72 hours will be required to approve that site.*
- d. Trees – *Ricard Espinoza (DSD- Trees) reminded that the Tree Permit needs to be on site and all fencing, maintenance, and protection activities should be completed by someone with a Tree Maintenance license.*
- e. Storm Water & Park Maintenance – *No representative present*

IV. Additional Discussion:

- a. *Melissa Byler (CEC-PM) drew attention to the construction phasing details of the Diversion Channel included to allow for Sanitary Sewer installation and adjustments.*
- b. *Daryl Spillman (SAWS) included that the existing Sanitary System runs below the existing 12'x12' Multiple Box Culverts and the proposed design of the sanitary sewer system was intentionally trying to minimize by-pass pumping.*

V. Pre-Bid Meeting Questions

- 1. *Q: With the addition of Additive Alternate #3 (in the Addendum), are the contractors expected to lay or grade out the delivered soils at the proposed landfill site?*
 - A. No, the contractor will deliver the soils and the City work force will relocate and grade as needed.*
- 2. *Q: Is the removal of the 3-12'x12' Multibox Culverts (MBC) to be included in the Lump Sum payment of item 101- Prep ROW?*
 - A. Yes, item 101 Prep ROW includes the removal of the MBC and will be paid out in percentage per specification requirements.*

Meeting Adjourned. Attachments: Sign In Sheet

Pre-Bid Meeting Sign-In



CITY OF SAN ANTONIO TRANSPORTATION & CAPITAL IMPROVEMENTS

NAME	ORGANIZATION	PHONE	EMAIL
Kristina Saenz	CEC	641-9999	Ksaenz@cec.texas.com
Melanie Parker	CEC		
Justin Casas	TCE		
Elizabeth Vidal	TCE	207-2072	elizabeth.vidal@sanantonio.gov
Carlos Benavides	HARPER BROTHERS	740-0099	bidss@harperbro.com
Derek Molzygemba	ST LOUIS CONSTRUCTION OF TEXAS	212-349998	rosert@stlouis.com
PAT DEANER	J3 COMPANY	830-995-5100	ESTIMATING@J3Co.com
Jason Schalte	Fesado Construction	512-227-1951	jschalze@fesadoconstruction.com
Alice London	TCE Environment	210 207 2236	alice.london@sanantonio.gov
Ricardo Espinoza	DSD - Trees	207-5427	ricardo.espinoza@sanantonio.gov
Jennifer L DiCoeco	TCE - EMO	207-1499	jennifer.dicoeco@sanantonio.gov

THIS FORM WILL BE POSTED TO THE CITY WEBSITE, SIGNING THIS FORM GIVES CITY PERMISSION TO RELEASE YOUR INFORMATION

January 10, 2017
Barbara Drive Area Drainage #23-01398

Pre-Bid Meeting Sign-In



CITY OF SAN ANTONIO TRANSPORTATION & CAPITAL IMPROVEMENTS

NAME	ORGANIZATION	PHONE	EMAIL
Kathryn Otto	TCI	207-7167	Kathryn.otto@sanantonio.gov
ERIC SALAZAR	" "		eric.salazar@sanantonio.gov
Peter Rodriguez	TCI	207-8154	pete.rodriguez@sanantonio.gov
Randy Hood	TCI	669-8830	Estimating@e2bcl.com
Bobby Boykin	Jordan Foster	512-213-8627	bboykin@jordanfosterconstruction.com
Irina Shatsman	Pronto Sandblasting & Coating	210-633-2035	Prontosandblasting@earthlink.net
Bill Hunter	Pesado Construction Co. Inc.	210-669-4216	whunter@pesadoconstructionco.com
DARYL SPILLMAN	SAWS	210-233-3012	dspillman@saws.org
Elvis Treviño	LAN	210-499-5082	edtrevino@lan-inc.com
CHRIS BOENTBES	LAN	210-499-5082	CFBOENTBES@LAN-INC.com
JOHN S. RODRIGUEZ	TCI ENV	210-207-1082	john.j.rodriguez@sanantonio.gov

THIS FORM WILL BE POSTED TO THE CITY WEBSITE, SIGNING THIS FORM GIVES CITY PERMISSION TO RELEASE YOUR INFORMATION

January 10, 2017
Barbara Drive Area Drainage #23-01398

CITY OF SAN ANTONIO

Project Name: Barbara Drive Area Drainage
ID NO.: 23-01398

Date Issued: December 28, 2016

Page 1 of 2

ADDENDUM #1

The estimated construction budget for this contract is \$5,148,297.00

020 BID FORM

Legal Name of Company (print)

I. BASE BID

Amount of Street/Roadway Construction Base Bid (Insert Amount in Words and Numbers):

Total Amount of Base Bid (Including City, SAWS Water, SAWS Sewer) (Insert Amount in Words and Numbers):

_____ \$ _____

II. ALTERNATES

Amount of each Alternate (if applicable) insert in Words and Numbers: Write N/A, if not applicable

Total Amount of Bid for Additive Alternate #1 - TRIB 4 DRAINAGE IMPROVEMENTS (COSA + SAWS)

(Insert Amount in Words and Numbers):

_____ \$ _____

Total Amount of Bid for Additive Alternate #2 - PEDESTRAIN ILLUMINATION (COSA) (Insert Amount in Words and Numbers):

_____ \$ _____

Total Amount of Bid for Additive Alternate #3 (ADDRNDUM #1) - CHANNEL EXCAVATION AND TRANSPORT/DISPOSAL OF MATERIAL TO LANDFILL FACILITY (COSA) (Insert Amount in Words and Numbers):

_____ \$ _____

III. UNIT PRICES

Bidders shall submit unit pricing on the 025 Unit Pricing form, and it shall be attached immediately following this sheet.

Person Authorized to Sign Bid/Contract (Print)

Title of Person Signing

Address

Fax No.

Local Headquarters (Check one)

City, State and Zip Code

Local Branch Office

Telephone No.

E-mail Address

Name of the proposed **Project Manager:** _____

Name of the proposed **Site Superintendent:** _____

SPECIAL SPECIALIFICATION ITEM 9999

CHANNEL EXCAVATION, AND TRANSPORT/DISPOSAL OF MATERIAL TO LANDFILL FACILITY

9999.1.DESCRPTION: *Excavate open channels within the limits shown on the plans, regardless of the type of material encountered, and dispose of any unused excavated materials. Spoils that meet the composition requirements outlined in this Item shall be transported and disposed of at a designated off-site landfill location. Construct, shape and finish all earthwork involved in conformance with the required lines, grades and cross sections, and in accordance with the plans and specification requirements.*

Note: This item does not apply to excavation required for box culvert conduits, cast-in-place or precast pipe storm sewers, or for pipe sanitary sewers as excavation for those types of construction are governed by the conditions set forth in other specification items. Excavation for other small drainage structures shall be governed and paid for under other appropriate items or under Item 306, "Structural Excavation", when indicated on the plans. Such excavation will be considered as that beyond the limits of the channel excavation as indicated on the plans.

9999.2.MATERIALS: All excavation shall be unclassified and shall include all materials encountered regardless of their nature or the manner in which they are removed, except those covered by other pay items.

- A. Hazardous Materials.** If the Contractor encounters hazardous substances, industrial waste, other environmental pollutants, underground storage tanks, or conditions conducive to environmental damage, Contractor shall immediately stop work in the area affected and report the condition to the Owner's representative in writing. Contractor shall not be responsible for or required to conduct any investigation, site monitoring, containment, cleanup, removal, restoration or other remedial work of any kind or nature (the "remedial work") under any applicable level, state or federal law, regulation or ordinance, or any judicial order. If the Contractor agrees in writing to commence and/or prosecute some or all of the remedial work, all costs and expenses, to include any extension of the contract time, of such remedial work shall be performed in compliance with applicable worker safety and environmental laws, and be paid by Owner to Contractor as additional compensation.
- B. Existing Structures/Obstructions.** Removal of structures and other obstructions prior to excavation and finishing of all other earthwork described herein shall be completed and paid for in accordance with Item 101, "Preparing Right-of-Way" unless otherwise stated on the plans.
- C. Existing Asphaltic Materials.** All asphaltic material shall be disposed of or recycled at a facility authorized to accept the material for such purposes.

9999.3.EQUIPMENT: Provide applicable equipment to conduct work as described in this specification or as specified on the plans.

9999.4.CONSTRUCTION: All channel excavation shall be performed as shown on the plans, or specified herein if not denote on the plans, and shall conform to the established alignment, grades

and cross sections. Suitable excavated materials shall be utilized, insofar as practicable, in constructing required embankments, or backfilling around drainage structures.

Unsuitable excavation or excavation in excess of that needed for construction shall be known as "Spoils" and shall become the property of the Contractor and it shall become his sole responsibility to dispose of this material off the limits of the right-of-way. Proper disposal shall be in conformance with, but not limited to, the following provisions:

- Do not deposit excavated material within jurisdictional wetlands, and
- Obtain appropriate permits and apply provisions pertaining to soil erosion and stream pollution, when necessary, to meet federal and/or local regulations, rules, and procedures

A. Transport and Disposal of Spoils to Designated Off-Site Landfill Facility. Spoils composed of soil, gravel, flexible base that are free from rock greater than 4-inches, asphalt, concrete, metal, and litter of any kind deemed suitable material by Owner and shall be transported and disposed of by Contractor at an off-site landfill facility as designated and located in Exhibit 1 of this Special Specification.

B. Temporary Construction Access. Any temporary construction access that crosses a channel will be constructed so as to allow a continuous flow at all times. The channel flow line will not be blocked or raised at any temporary construction access.

C. Channel Side Slope (Fill). When the plans indicate fill of a channel side slope, the fill material shall be placed in layers not to exceed 12 inches and shall be benched or notched into existing slopes. Each lift of fill shall be compacted to the required density and moisture content as shown below, unless otherwise shown on the plans:

Subgrade Material	Density	Moisture Content
PI ≤ 20	≥ 95% of Max Dry Density	- 2% of Opt. or greater
PI > 20	≥ 95% of Max Dry Density	≥ Opt. Moisture

The maximum dry density and optimum moisture content shall be determined in accordance with TxDOT Test Method Tex-114-E. Tests for in place density shall be made in accordance with TxDOT Test Method Tex-115-E and within 24 hours after compacting operations are completed. If the material fails to meet the density specified, it shall be re-worked as necessary to obtain the density required.

The fill material shall be free from roots, trash, silt and objectionable debris and shall be approved by the Engineer. The channel side slopes, in fill areas, shall be cut to the finished dimensions after completion of the fill process.

D. Lateral Ditches. At locations where lateral ditches enter the channel, the Contractor shall perform grading as may be required to maintain lateral ditch side slopes within the easement area. The cost of all grading shall be considered incidental to the unit price bid and no extra payment will be made.

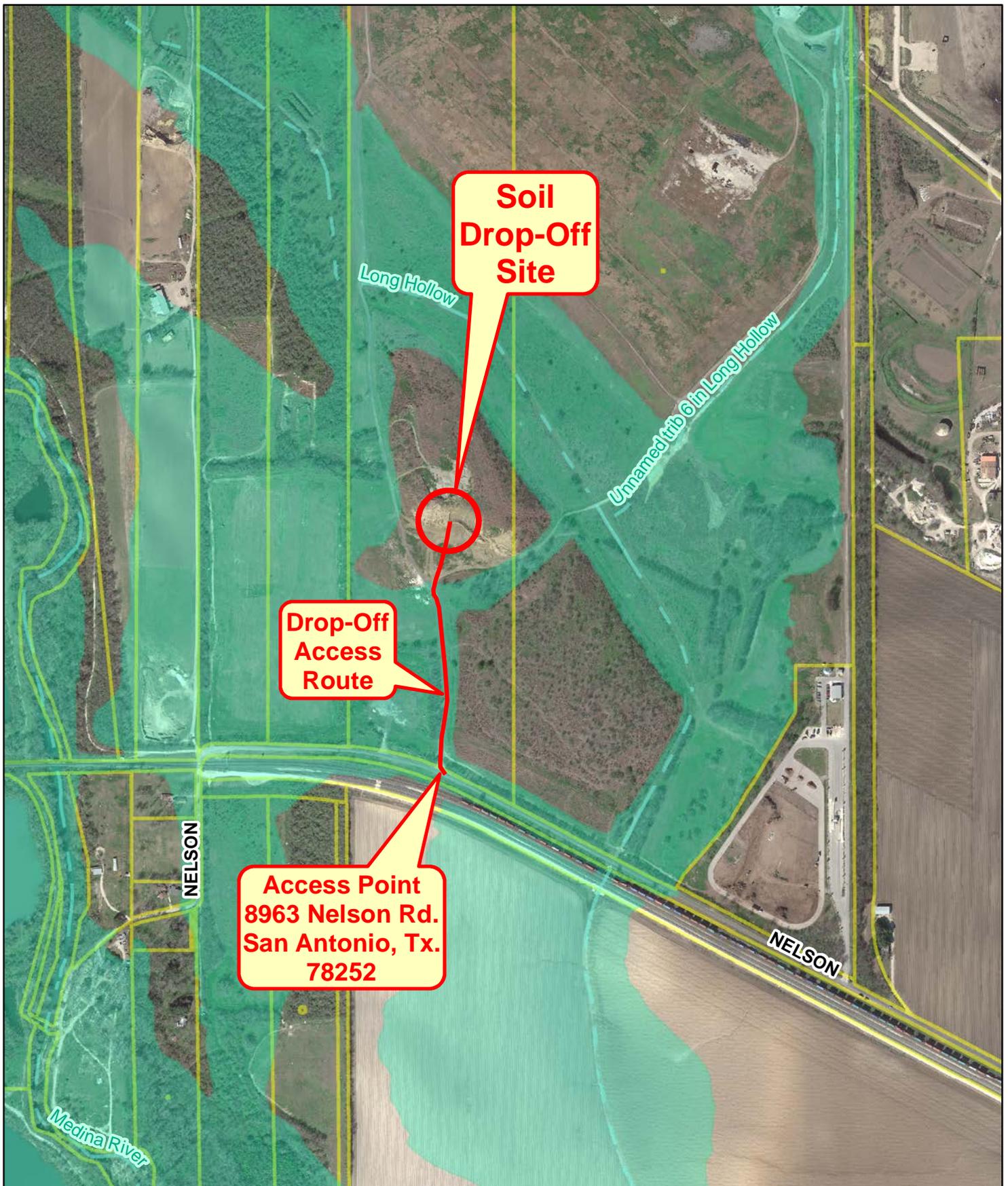
E. Channel Completion. Prior to final acceptance by the Engineer, the Contractor shall remove all sediment from the bottom of the channel and dispose of this material off site. The cost of sediment removal and grading shall be incidental to the unit price bid, and no extra payment will be made. Revegetation is not required on channels primarily composed of rock.

9999.5.MEASUREMENT: Accepted channel excavation for open channels will be measured in its original position and the volume computed in cubic yards by the method of average end areas in accordance with the lines, grades and cross sections shown on the plans.

9999.6.PAYMENT: This item will be paid for at the contract unit price bid for “Channel Excavation, Transport and Disposal of Spoils” which price shall be full compensation for all work herein specified, including proper disposal of unsuitable materials, transporting of spoils (as determined by Owner) to an off-site designated landfill facility for proper disposal, and the furnishing of all materials, equipment, tools, labor, and incidentals necessary for the execution of this work

9999.7.BID ITEM:

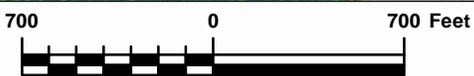
Item 9999.1 - Channel Excavation, and Transport/Disposal of Material To Landfill Facility - per cubic yard



**Soil
Drop-Off
Site**

**Drop-Off
Access
Route**

**Access Point
8963 Nelson Rd.
San Antonio, Tx.
78252**



CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

EXHIBIT 1



1 in = 700 ft

SPECIAL SPECIFICATION

ITEM

6004 UTILITY POLE BRACING

6004.1. DESCRIPTION: *Describes the temporary supports for utility poles at locations directed by the facility operator(s), in order to maintain such poles in their existing upright position without disturbing attached wires and equipment. The Contractor shall provide all labor, material, equipment, insurance, and incidentals required to construct, install' and maintain an effective support system that will meet the stated objective.*

6004.2. EQUIPMENT: Provide the machinery, tools and equipment necessary for proper prosecution of the work. All machinery, tools and equipment used shall be maintained in a satisfactory and workmanlike manner.

6004.3. CONSTRUCTION: Where directed by the utility representative, the Contractor shall furnish, install and remove utility pole supports and maintain utility poles. Alternate methods proposed by the Contractor will be permitted if approved by the facility operator.

6004.4. MEASUREMENT: This Item will be measured by number of utility poles supported. The Contractor" will be paid only once for each utility pole supported and maintained regardless of the number of construction operations that have an impact on each pole structure, complete in place.

6004.5. PAYMENT: The work performed as prescribed by this item will be paid for at the contract unit price bid per each "Utility Pole Bracing" which price shall be full compensation for all labor, material, equipment, insurance, and incidentals necessary to furnish, install, maintain and remove utility pole supports to completely support, maintain, protect, and accommodate the integrity of utility poles without disruption of service to customers. Additional cost associated with working around utility pole supports, poles and appurtenances shall be subsidiary to this Item

6004.6. BID ITEM:

Item 6004.1 – Utility Pole Bracing – per each

General Decision Number: TX170016 01/06/2017 TX16

Superseded General Decision Number: TX20160016

State: Texas

Construction Types: Heavy and Highway

Counties: Atascosa, Bandera, Bastrop, Bell, Bexar, Brazos, Burleson, Caldwell, Comal, Coryell, Guadalupe, Hays, Kendall, Lampasas, McLennan, Medina, Robertson, Travis, Williamson and Wilson Counties in Texas.

HEAVY (excluding tunnels and dams, not to be used for work on Sewage or Water Treatment Plants or Lift / Pump Stations in Bell, Coryell, McClellon and Williamson Counties) and HIGHWAY Construction Projects

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.20 for calendar year 2017 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.20 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2017. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/06/2017

* SUTX2011-006 08/03/2011

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER (Paving and Structures).....	\$ 12.56	
ELECTRICIAN.....	\$ 26.35	
FORM BUILDER/FORM SETTER Paving & Curb.....	\$ 12.94	
Structures.....	\$ 12.87	
LABORER Asphalt Raker.....	\$ 12.12	
Flagger.....	\$ 9.45	
Laborer, Common.....	\$ 10.50	
Laborer, Utility.....	\$ 12.27	
Pipelayer.....	\$ 12.79	
Work Zone Barricade Servicer.....	\$ 11.85	
PAINTER (Structures).....	\$ 18.34	
POWER EQUIPMENT OPERATOR: Agricultural Tractor.....	\$ 12.69	
Asphalt Distributor.....	\$ 15.55	
Asphalt Paving Machine.....	\$ 14.36	
Boom Truck.....	\$ 18.36	
Broom or Sweeper.....	\$ 11.04	
Concrete Pavement Finishing Machine.....	\$ 15.48	
Crane, Hydraulic 80 tons or less.....	\$ 18.36	
Crane, Lattice Boom 80 tons or less.....	\$ 15.87	
Crane, Lattice Boom over 80 tons.....	\$ 19.38	
Crawler Tractor.....	\$ 15.67	
Directional Drilling Locator.....	\$ 11.67	
Directional Drilling Operator.....	\$ 17.24	
Excavator 50,000 lbs or Less.....	\$ 12.88	
Excavator over 50,000 lbs...\$	17.71	
Foundation Drill, Truck Mounted.....	\$ 16.93	
Front End Loader, 3 CY or Less.....	\$ 13.04	
Front End Loader, Over 3 CY.\$	13.21	
Loader/Backhoe.....	\$ 14.12	
Mechanic.....	\$ 17.10	
Milling Machine.....	\$ 14.18	

Motor Grader, Fine Grade.....	\$ 18.51
Motor Grader, Rough.....	\$ 14.63
Pavement Marking Machine....	\$ 19.17
Reclaimer/Pulverizer.....	\$ 12.88
Roller, Asphalt.....	\$ 12.78
Roller, Other.....	\$ 10.50
Scraper.....	\$ 12.27
Spreader Box.....	\$ 14.04
Trenching Machine, Heavy....	\$ 18.48
Servicer.....	\$ 14.51
Steel Worker	
Reinforcing.....	\$ 14.00
Structural.....	\$ 19.29
TRAFFIC SIGNAL INSTALLER	
Traffic Signal/Light Pole	
Worker.....	\$ 16.00
TRUCK DRIVER	
Lowboy-Float.....	\$ 15.66
Off Road Hauler.....	\$ 11.88
Single Axle.....	\$ 11.79
Single or Tandem Axle Dump	
Truck.....	\$ 11.68
Tandem Axle Tractor w/Semi	
Trailer.....	\$ 12.81
WELDER.....	\$ 15.97

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

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

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)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

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.

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END OF GENERAL DECISION

PROJECT NAME: Barbara Drive Drainage Project
PROJECT NO.: 23-01398
ADDENDUM #1

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
ROADWAY AND DRAINAGE BASE BID (COSA)									
	COSA 100.1			MOBILIZATION	LS	1			1
	COSA 100.2			INSURANCE & BOND	LS	1			2
	COSA 101.1			PREPARING RIGHT-OF-WAY	LS	1			3
	COSA 102.1			OBLITERATING ABANDONED STREET (< 25000 SY)	SY	618			4
	COSA 103.1			REMOVE CONCRETE CURB (700LF < X < 10000 LF)	LF	972			5
	COSA 103.3			REMOVE CONCRETE SIDEWALKS & DRIVEWAYS (> 10000 SF)	SF	11421			6
	COSA 104.1			STREET EXCAVATION (< 1000 CY)	CY	961			7
	COSA 105.1			CHANNEL EXCAVATION (> 70000 CY)	CY	112637			8
	COSA 106.1			BOX CULVERT EXCAVATION & BACKFILL (600 CY < X < 10000 CY)	CY	1077			9
	COSA 107.1			EMBANKMENT (FINAL)(DENS CONT)(TY B)	CY	54			10
	COSA 108.1			LIME TREATED SUBGRADE (6" COMPACTED DEPTH)	SY	1948			11
	COSA 108.2			LIME (< 100 TON)	TON	12			12
	COSA 205.2			HOT MIX ASPHALTIC PAVEMENT, TYPE B (2.5" COMP. DEPTH) (PG 64-22)	SY	1766			13
	COSA 205.2			HOT MIX ASPHALTIC PAVEMENT, TYPE B (5" COMP. DEPTH) (PG 64-22)	SY	1948			14
	COSA 205.4			HOT MIX ASPHALTIC PAVEMENT, TYPE D (1.5" COMP. DEPTH) (PG 70-22)	SY	1766			15
	COSA 306.1			STRUCTURAL EXCAVATION (< 100 CY < X < 500 CY)	CY	237			16
	COSA 307.1			CONCRETE STRUCTURE (WINGWALL - McCULLOUGH)	CY	25			17
	COSA 309.1			PRE-CAST REINFORCED CONCRETE BOX CULVERTS (10' X 12')	LF	150			18
	COSA 401.1			REINFORCED CONCRETE PIPE (CLASS III) (36" DIA)	LF	112			19
	COSA 403.8			INLET TYP C (TYPE II) (COMPLETE)(10FT)	EA	4			20
	COSA 413.2			FLOWABLE BACKFILL (HIGH STRENGTH)	CY	10			21
	COSA 500.1			CONCRETE CURBING (< 1,000 LF)	LF	828			22
	COSA 500.4			CONCRETE CURB & GUTTER (< 1,000 LF)	LF	927			23
	COSA 502.1			CONCRETE SIDEWALKS (4") (1000 SY < X < 10000SY)	SY	2782			24
	COSA 503.1			PORTLAND CEMENT CONCRETE DRIVEWAYS (4000 SY < X < 10000 SY)	SY	159			25
	COSA 503.4			ASPHALTIC CONCRETE DRIVEWAY (< 100 SY)	SY	28			26
	COSA 505.1			CONCRETE RIPRAP (5" THICK) (< 4000 SY)	SY	8312			27
	COSA 505.1			CONCRETE RIPRAP (6" THICK) (< 4000 SY)	SY	12			28
	COSA 506.1			CONCRETE RETAINING WALLS-COMB. TYPE (< 20 CY)	CY	8			29
	COSA 507.2			CHAIN LINK WIRE FENCE (6' HIGH)*	LF	80			30
	COSA 507.5			GATES - VEHICULAR	OPEN	1			31
	COSA 507.6			WOOD FENCE (8' HIGH)	LF	160			32
	COSA 508.1			RELOCATING WIRE FENCE	LF	150			33
	COSA 515.1			TOPSOIL (> 500 CY)	CY	7000			34
	COSA 515.2			GRASSY-SWALE AREA PREPARATION	SF	5500			35
	COSA 515.3			SOIL MIX AT GRASSY-SWALE AREAS - 18" DEPTH	CY	550			36
	COSA 516.1			BERMUDA SODDING (< 2,000 SY)	SY	612			37
	COSA 520.1			HYDROMULCHING (RESIDENTIAL OR COMMERCIAL)	SY	27000			38
	COSA 520.2			DRAINAGE AREA SEED MIX - HYDROMULCHING	SY	22000			39
	COSA 525.1			CONCRETE TRAFFIC BARRIER (PORTABLE)	LF	340			40
	COSA 530.1			BARRICADES, SIGNS & TRAFFIC HANDLING	LS	1			41
	COSA 531.57			9 INCH [229 mm] STREET NAME, BLOCK NUMBER (VARIES x9")(HIGH INTENSITY)	EA	2			42
	COSA 540.1			ROCK FILTER DAMS (INSTALL/REMOVE) (TYPE 2)	LF	208			43
	COSA 540.6			CONSTRUCTION EXITS (INSTALL/REMOVE)	SY	426			44
	COSA 540.9			TEMPORARY SEDIMENT CONTROL FENCE	LF	3278			45
	COSA 540.10			CURB INLET GRAVEL FILTERS	LF	60			46
	COSA 550.1			TRENCH EXCAVATION SAFETY PROTECTION	LF	100			47
	COSA 551.1			TEMPORARY SPECIAL SHORING	SF	670			48
	COSA 554.1			EROSION CONTROL MATTING	LF	2892			49
	COSA 618.1			CONDUIT (2 INCH/PVC SCHEDULE 40)	LF	3000			50
	COSA 618.1			CONDUIT (4 INCH/PVC SCHEDULE 40)	LF	1500			51
	COSA 618.1			CONDUIT (4 INCH/RIGID SCHEDULE 40)	LF	300			52
	COSA 687.1			PEDESTAL POLE ASSEMBLY	EA	31			53
	COSA 801.1			LEVEL 1 PROTECTION FENCING	LF	5856			54
	COSA 802.1			LEVEL 1 PRUNING, SOIL, AMENDMENTS, & FERTILIZATION	EA	92			55
	COSA 804.1			LANDSCAPE MAINTENANCE (90 DAYS)	EA	1			56
	COSA 804.1			TREE PLANTING & MAINT. - 3-4" CAL., 12' HT., 6' SPREAD,CONTAINER GROWN	EA	114			57
	COSA 804.2			MULCH - 4" DEPTH	EA	200			58
	COSA 6004			UTILITY POLE BRACING	EA	1			59
	TXDOT 432 6046			RIPRAP (MOW STRIP) (5")	CY	32			60
	TXDOT 450 6042			RAIL (TYPE PR1)	LF	113			61
	TXDOT 450 6051			RAIL (HANDRAIL) (TYPE E)	LF	525			62
	TXDOT 459 6007			GABION MATTRESSES (GALV) (12")	SY	2245			63
	TXDOT 459 6009			GABIONS (3' X 3') (GALV)	SY	425			64
	TXDOT 506 6041			BIODEGRONABLE CONT LOGS (INSTL) (12")	LF	598			65
	TXDOT 540 6001			MTL W-BEAM GD FEN (TIM POST)	LF	625			66
	TXDOT 540 6016			DOWNSTREAM ANCHOR TERMINAL SECTION	LF	1			67
	TXDOT 544 6001			GUARDRAIL END TREATMENT (INSTALL)	EA	2			68

TOTAL ROADWAY AND DRAINAGE BASE BID \$ -

SAWS SANITARY SEWER BASE BID									
	100.1			MOBILIZATION	LS	1			69
	101.1			PREPARING RIGHT-OF-WAY	LS	1			70
	550			TRENCH EXCAVATION SAFETY PROTECTION	LF	1978			71
	848			8" PVC GRAVITY SANITARY SEWER PIPE (SDR 26-2241, 160 PSI) (0'-6' CUT)	LF	92			72
	848			8" PVC GRAVITY SANITARY SEWER PIPE (SDR 26-2241, 160 PSI) (6'-18' CUT)	LF	268			73
	848			15" PVC GRAVITY SANITARY SEWER PIPE (SDR 26-3034) (6'-18' CUT)	LF	807			74
	848			18" PVC GRAVITY SANITARY SEWER PIPE (SDR 26-3034) (6'-18' CUT)	LF	30			75
	848			30-INCH GRAVITY SEWER PIPE (ASTM F679) (18'-22' CUT)	LF	606			76
	850			SANITARY SEWER STRUCTURE (0'-6' DEPTH) (6' ID)	EA	3			77
	850			SANITARY SEWER STRUCTURE (0'-6' DEPTH) (6' ID) (DOGHOUSE)	EA	2			78
	850			EXTRA DEPTH STRUCTURES (GREATER THAN 6' DEPTH) (6' ID)	VF	68			79
	852			SANITARY SEWER MANHOLE (0'-6' DEPTH) (4' ID)	EA	11			80
	852			EXTRA DEPTH MANHOLES (GREATER THAN 6' DEPTH) (4' ID)	VF	111			81
	854			SANITARY SEWER LATERALS (SDR 26, ASTM 2241, 160 PSI)	LF	40			82
	854			TWO-WAY SANITARY SEWER CLEAN-OUT	EA	1			83
	856			ADJUST EXISTING MANHOLE (RINGS AND COVER)	EA	1			84
	856.1			30" JACK, BORE, OR TUNNEL	LF	50			85
	856.2			15" CARRIER PIPE (SDR 26-3034)	LF	50			86
	856.3			CASING OR LINER 30"	LF	50			87

PROJECT NAME: Barbara Drive Drainage Project
PROJECT NO.: 23-01398
ADDENDUM #1

858			CONCRETE ENCASEMENT, CRADLES AND COLLARS	CY	79			88
860			VERTICAL STACKS	VF	8			89
862			ABANDONMENT OF SEWER MAIN (15", 18", 21", AND 30")	LF	2616			90
864			BYPASS PUMPING	LS	1			91
866			POST SEWER MAIN TELEVISION INSPECTION (8"-24")	LF	1247			92
866			POST SEWER MAIN TELEVISION INSPECTION (30")	LF	606			93
3400.1			MANHOLE REHABILITATION (STRUCTURAL CEMENTIOUS LINING)	VF	17			94
COSA 205			HOT MIX ASPHALTIC PAVEMENT - TYPE C (3" COMPACTED DEPTH)	SY	420			95
COSA 206			ASPHALT TREATED BASE (12" COMPACTED DEPTH)	SY	22			96
COSA 208			SALVAGING, HAULING, AND STOCKPILING RELAIMABLE ASPHALTIC PAVEMENT (3")	SY	420			97
COSA 500			CONCRETE CURB, GUTTER, AND CONCRETE CURB AND GUTTER	LF	20			98
COSA 502			CONCRETE SIDEWALKS	SY	5			99
COSA 530			BARRICADES, SIGNS AND TRAFFIC HANDLING	LS	1			100

TOTAL SAWS SANITARY SEWER BASE BID \$ -

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
SAWS WATER BASE BID									
	100.1			MOBILIZATION	LS	1			101
	101.1			PREPARING RIGHT-OF-WAY	LS	1			102
	550			TRENCH EXCAVATION SAFETY PROTECTION	LF	698			103
	818			8" PVC WATERLINE (OPEN CUT) (RESTRAINED)	LF	240			104
	820			16" DUCTILE IRON	LF	458			105
	828			8" GATE VALVES	EA	4			106
	828			16" GATE VALVES	EA	2			107
	834.1			FIRE HYDRANT	EA	1			108
	836			PIPE FITTINGS, ALL SIZES AND TYPES	TON	4.5			109
	840			8" WATER TIE-INS	EA	3			110
	840			16" WATER TIE-INS	EA	2			111
	841			HYDROSTATIC TESTING	EA	3			112
	844			2" BLOWOFF, TEMPORARY	EA	5			113
	846			2" AIR RELEASE ASSEMBLIES	EA	1			114
	856.1			JACKING, BORING, OR TUNNELING 30"	LF	113			115
	856.2			16" CARRIER PIPE	LF	113			116
	856.3			CASING OR LINER 30" (BORE)	LF	113			117
	3000			REMOVAL, TRANSPORTATION, AND DISPOSAL OF AC PIPE	LF	680			118
	COSA 205			HOT MIX ASPHALTIC PAVEMENT - TYPE D (2" COMPACTED DEPTH)	SY	410			119
	COSA 206			ASPHALT TREATED BASE (10" COMPACTED DEPTH)	SY	340			120

TOTAL SAWS WATER BASE BID \$ -

ADD ALT #1 - TRIB 4 DRAINAGE IMPROVEMENTS (COSA)									
ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
	COSA 100.1			MOBILIZATION	LS	1			121
	COSA 100.2			INSURANCE & BOND	LS	1			122
	COSA 101.1			PREPARING RIGHT OF WAY	LS	1			123
	COSA 104.1			STREET EXCAVATION (< 1000 CY)	CY	265			124
	COSA 106.1			BOX CULVERT EXCAVATION & BACKFILL (600 CY < X < 10000 CY)	CY	7447			125
	COSA 107.1			EMBANKMENT (FINAL)(DENS CONT)(TY B)	CY	2			126
	COSA 108.1			LIME TREATED SUBGRADE (6" COMPACTED DEPTH)	SY	1075			127
	COSA 108.2			LIME (< 100 TON)	TON	7			128
	COSA 205.2			HOT MIX ASPHALTIC PAVEMENT, TYPE B (2.5" COMP. DEPTH) (PG 64-22)	SY	679			129
	COSA 205.2			HOT MIX ASPHALTIC PAVEMENT, TYPE B (2.5" COMP. DEPTH) (PG 70-22)	SY	293			130
	COSA 205.2			HOT MIX ASPHALTIC PAVEMENT, TYPE B (5" COMP. DEPTH) (PG 64-22)	SY	1075			131
	COSA 205.4			HOT MIX ASPHALTIC PAVEMENT, TYPE D (1.5" COMP. DEPTH) (PG 70-22)	SY	972			132
	COSA 307.1			CONCRETE STRUCTURE (ELEVATED SIDEWALK) (< 10 CY)	CY	3			133
	COSA 307.1			CONCRETE STRUCTURE (HEADWALL TRIB 4)	CY	14			134
	COSA 309.1			PRE-CAST REINFORCED CONC BOX CULVERTS 10 X 12'	LF	1064			135
	COSA 401.1			REINFORCED CONCRETE PIPE (CLASS III)(48" DIA)	LF	10			136
	COSA 403.8			INLET TYP C (TYPE II) (MOD) (10 FT)	EA	4			137
	COSA 403.10			INLET (GRATE)	EA	1			138
	COSA 407.4			CONCRETE COLLAR	CY	1			139
	COSA 409.50			RING & COVER	EA	2			140
	COSA 500.1			CONCRETE CURBING (< 1000 LF)	LF	511			141
	COSA 502.1			CONCRETE SIDEWALKS (4") (< 150 SY)	SY	74			142
	COSA 505.1			CONCRETE RIPRAP (5" THICK) (< 100 SY)	SY	72			143
	COSA 530.1			BARRICADES, SIGNS & TRAFFIC HANDLING	LS	1	3%		144
	COSA 540.1			ROCK FILTER DAMS (INSTALL/REMOVE) (TYPE 2)	LF	50			145
	COSA 540.9			TEMPORARY SEDIMENT CONTROL FENCE	LF	865			146
	COSA 540.10			CURB INLET GRAVEL FILTERS	LF	60			147
	TXDOT 450-6047			RAIL (HANDRAIL) (TYPE A)	LF	128			148
	TXDOT 529-6020			CONC CURB & GUTTER (ARMOR CURB)	LF	10			149

TOTAL ADD ALT #1 BID (COSA) \$ -

ADD ALT #1 - TRIB 4 DRAINAGE IMPROVEMENTS (SAWS WATER)									
ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
	100.1			MOBILIZATION	LS	1			150
	101.1			PREPARATION OF ROW	LS	1			151
	550			TRENCH EXCAVATION SAFETY PROTECTION	LF	331			152
	818			8" PVC WATERLINE (OPEN CUT)(RESTRAINED)	LF	56			153
	820			16" DUCTILE IRON	LF	145			154
	824			NEW 1" SHORT SERVICE	EA	2			155
	828			8" GATE VALVES	EA	2			156
	828			16" GATE VALVES	EA	1			157
	836			PIPE FITTINGS, ALL SIZES AND TYPES	TON	1.5			158
	840			8" WATER TIE-INS	EA	2			159
	840			16" WATER TIE-INS	EA	2			160
	841			HYDROSTATIC TESTING	EA	2			161
	844			2" BLOWOFF, TEMPORARY	EA	4			162
	856.2			8" CARRIER PIPE	LF	65			163
	856.2			16" CARRIER PIPE	LF	65			164
	856.3			CASING OR LINER 24" (OPEN CUT)	LF	65			165
	856.3			CASING OR LINER 30" (OPEN CUT)	LF	65			166
	3000			REMOVAL, TRANSPORTATION AND DISPOSAL OF AC PIPE	LF	78			167
	COSA 205			HOT MIX ASPHALTIC PAVEMENT - TYPE D (2" COMPACTED DEPTH)	SY	220			168
	COSA 206			ASPHALT TREATED BASE (10" COMPACTED DEPTH)	SY	190			169

TOTAL ADD ALT #1 BID (SAWS WATER) \$ -

PROJECT NAME: Barbara Drive Drainage Project
PROJECT NO.: 23-01398
ADDENDUM #1

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
ADD ALT #2 -PEDESTRIAN ILLUMINATION (COSA)									
	620.1			ELECTRICAL CONDUCTORS #6 CU AWG	LF	3200			170
	620.1			ELECTRICAL CONDUCTORS #4 CU AWG	LF	2800			171
	620.1			ELECTRICAL CONDUCTORS #8 CU AWG	LF	3000			172
	620.1			ELECTRICAL CONDUCTORS #2 CU AWG	LF	1800			173
	628.1			ELECTRICAL SERVICES (METER)	EA	3			174
	628.1			ELECTRICAL SERVICES (PANEL)	EA	3			175
	687.1			PEDESTAL POLE ASSEMBLY (FIXTURES)	EA	31			176

TOTAL ADD ALT #2 BID (COSA) \$ -

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
ADD ALT #3 -CHANNEL EXCAVATION (COSA)									
	9999			CHANNEL EXCAVATION, AND TRANSPORT/DISPOSAL OF MATERIAL TO LANDFILL FACILITY	CY	112937			177

Notes:

1. If Add Alt #3 is accepted by the City, then the total Base Bid Amount will be reduced by the unit bid price for Item 105.1 "Channel Excavation" included in the Base Bid.

TOTAL ADD ALT #3 BID (COSA) \$ -

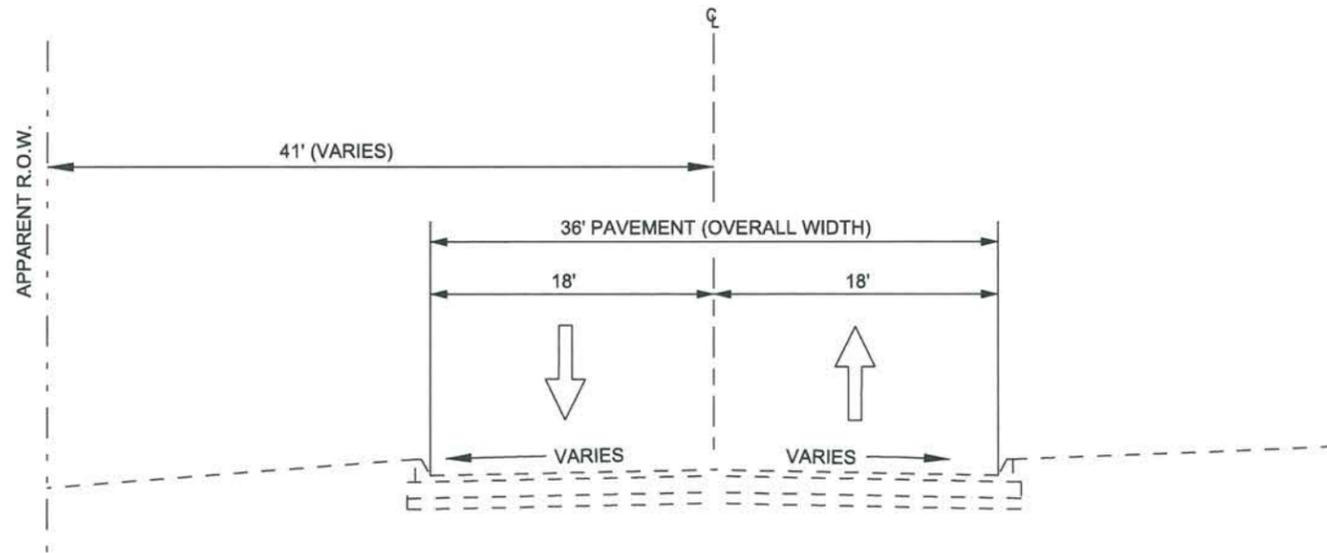
SUMMARY

TOTAL ROADWAY AND DRAINAGE BASE BID	\$ -
TOTAL SAWS SANITARY SEWER BASE BID	\$ -
TOTAL SAWS WATER BASE BID	\$ -
TOTAL BASE BID AMOUNT	\$ -
TOTAL ADD ALT #1 BID (COSA)	\$ -
TOTAL ADD ALT #1 BID (SAWS WATER)	\$ -
TOTAL ADD ALT #1 - TRIB 4 DRAINAGE IMPROVEMENTS (COSA + SAWS)	\$ -
TOTAL ADD ALT #2 - PEDESTRIAN ILLUMINATION (COSA)	\$ -
TOTAL ADD ALT #3 - CHANNEL EXCAVATION (COSA)	\$ -

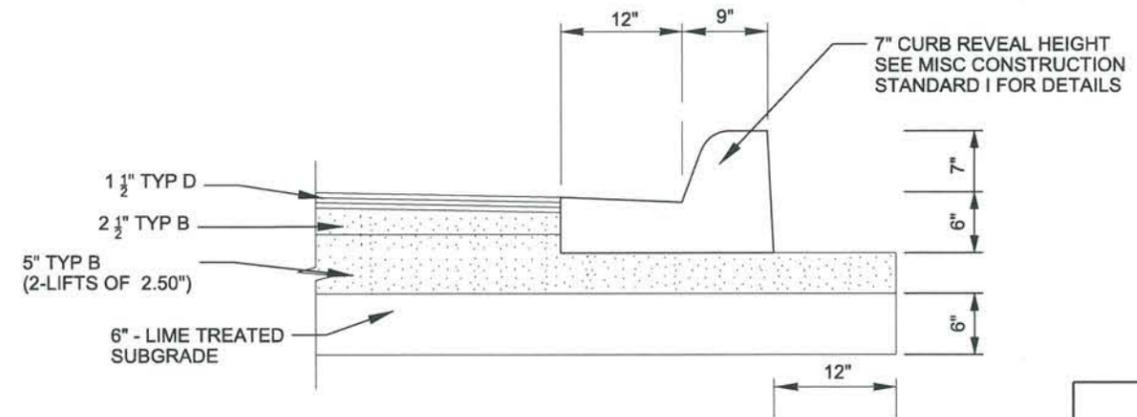
_____ certifies that the unit prices shown on this complete computer print-out for all of the bid items and the alternates contained in this proposal are the unit prices intended and that its bid will be tabulated using these unit prices and no other information from this print-out.

_____ Acknowledged and agrees that the total bid amount shown will be read as its total bid and further agrees that the official total bid amount will be determined by multiplying the unit bid prices shown in this print-out by the respective estimated quantities shown in the proposal and then totaling all of the extended amounts. _____ agrees to the terms, conditions, and requirements of the bidder's bid proposal.

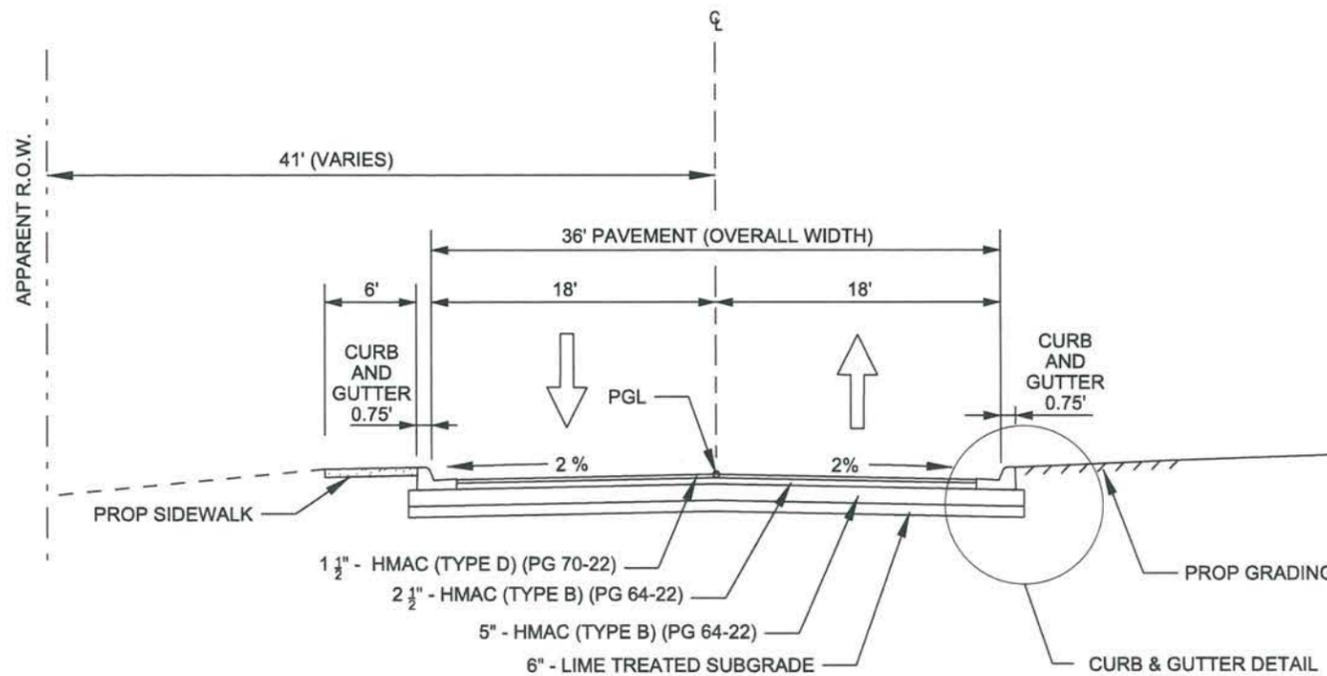
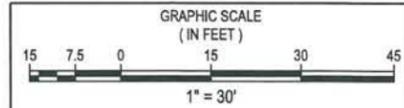
Signed: _____ Date: _____



BASIN DR
EXISTING ROADWAY



CURB & GUTTER DETAIL
N.T.S.



BASIN DR
STA 13+03.43 TO STA 17+63.39

NOTE:

1. THE LIME IS ESTIMATES AT A RATE OF 12 LB/SY (6%) FOR BASIS AND COST PURPOSES. FIELD TESTING WILL BE REQUIRED TO VERIFY RATE NEEDED.
2. NOTE THAT A GEOTECHNICAL REPORT DATED 12/29/2011 IS AVAILABLE FOR REFERENCE ONLY AT CONTRACTOR'S REQUEST THAT COVERS THE AREA BEYOND THE PROJECT LIMITS.



CEC DON DURDEN, INC.
d.b.a. CIVIL ENGINEERING CONSULTANTS
11550 IH 10 WEST, SUITE 395
SAN ANTONIO, TEXAS 78230-1037
TEL: (210) 641-9999
FAX: (210) 641-6440
REGISTRATION #F-2214
CEC PROJECT NUMBER: E0384400



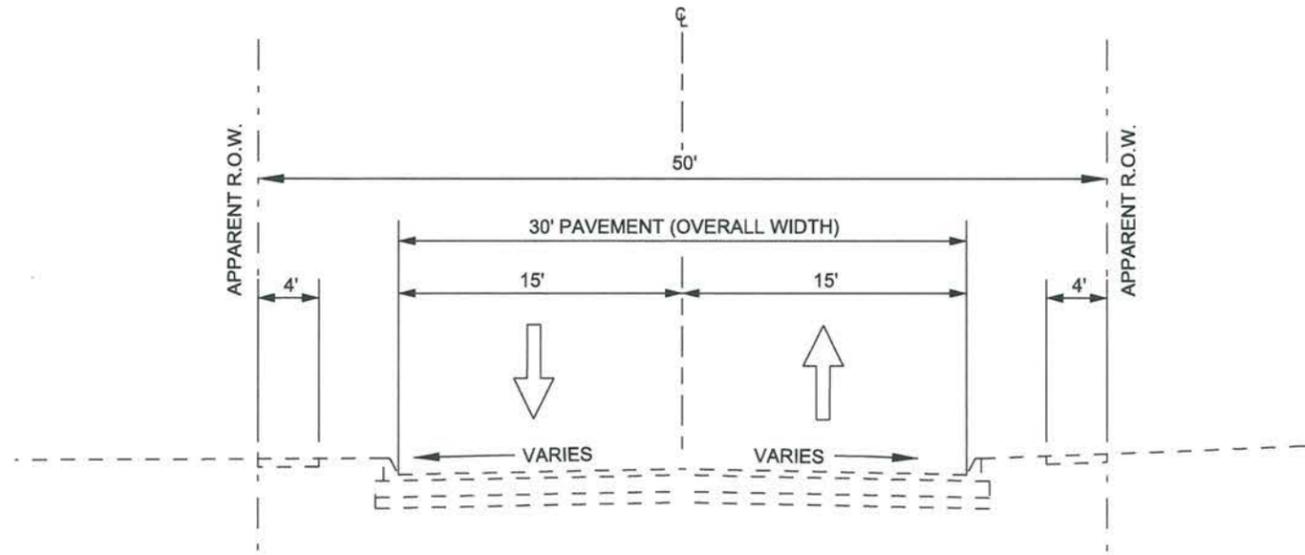
BARBARA DRIVE

TYPICAL SECTIONS
EXISTING AND PROPOSED
BASIN DR

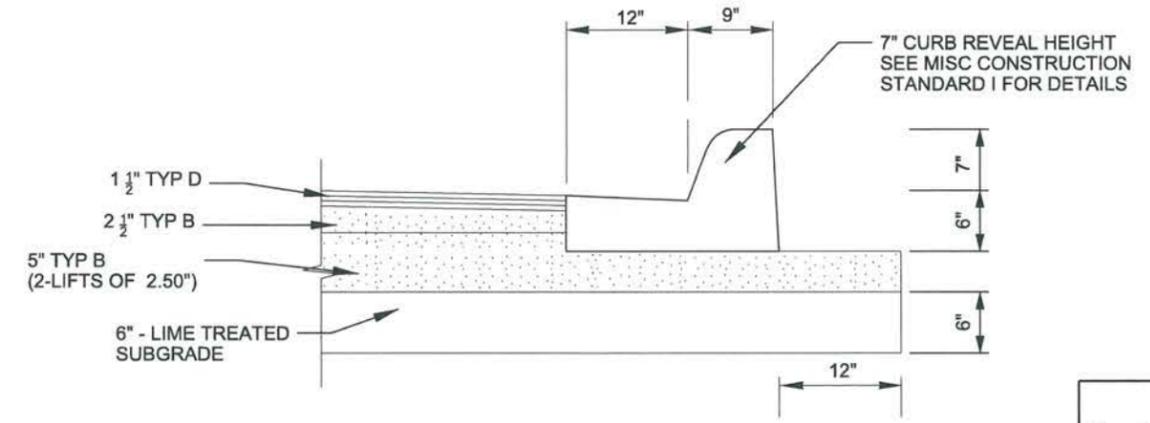
SHEET 4 OF 6

SUBMITTAL	PROJECT NUMBER	DATE
100%	E0384400	1/12/2017
DRWN BY: EV	DSGN BY: KS	CHKD BY: MB
		SHEET NO. 8

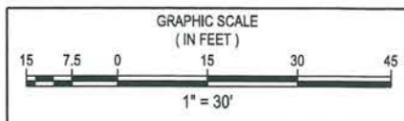
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BARBARA DR
EXISTING ROADWAY



CURB & GUTTER DETAIL
N.T.S.



STATE OF TEXAS
KRYSTINA SAENZ
116984
LICENSED PROFESSIONAL ENGINEER

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY KRYSTINA SAENZ, P.E. 116984

Kristina Saenz
1/12/2017

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FAX: (210) 641-6440
REGISTRATION #F-2214
CEC PROJECT NUMBER: E0384400

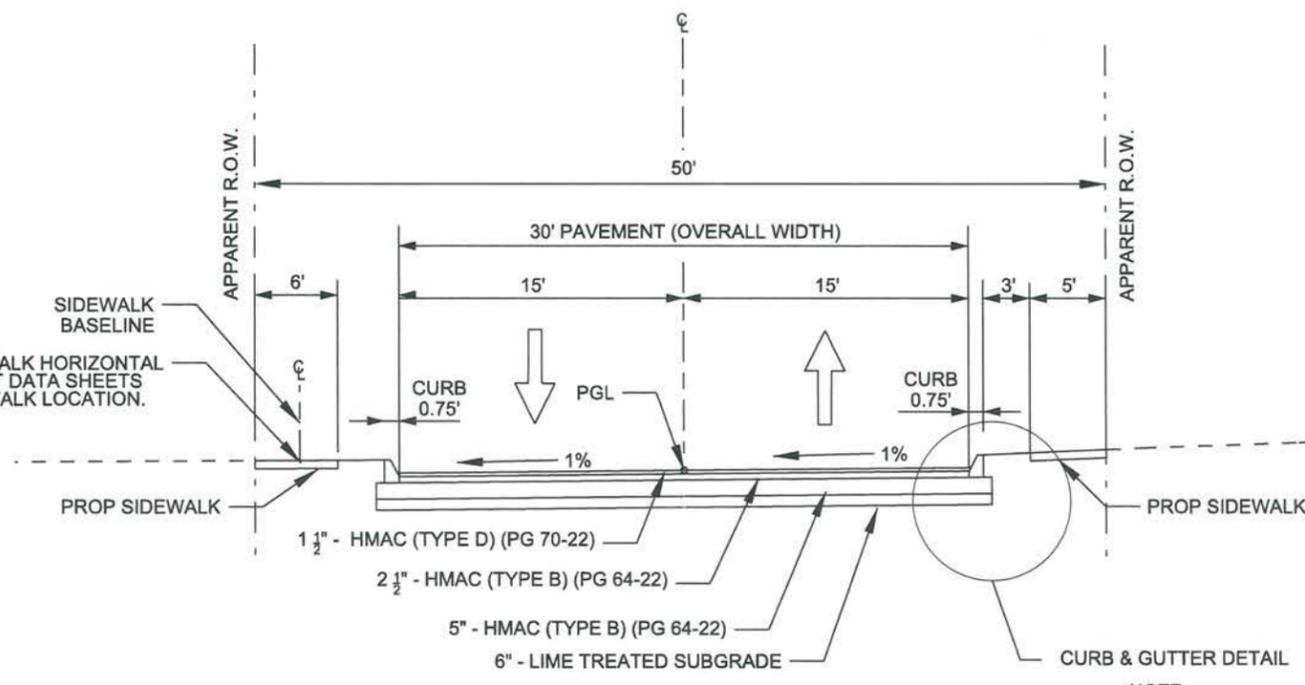
CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

BARBARA DRIVE

TYPICAL SECTIONS
EXISTING AND PROPOSED
BARBARA DR (ADD. ALT. 1)

SHEET 5 OF 6

SUBMITTAL	PROJECT NUMBER	DATE	
100%	E0384400	1/12/2017	
DRWN BY:	DSGN BY:	CHKD BY:	SHEET NO.
EV	KS	MB	9

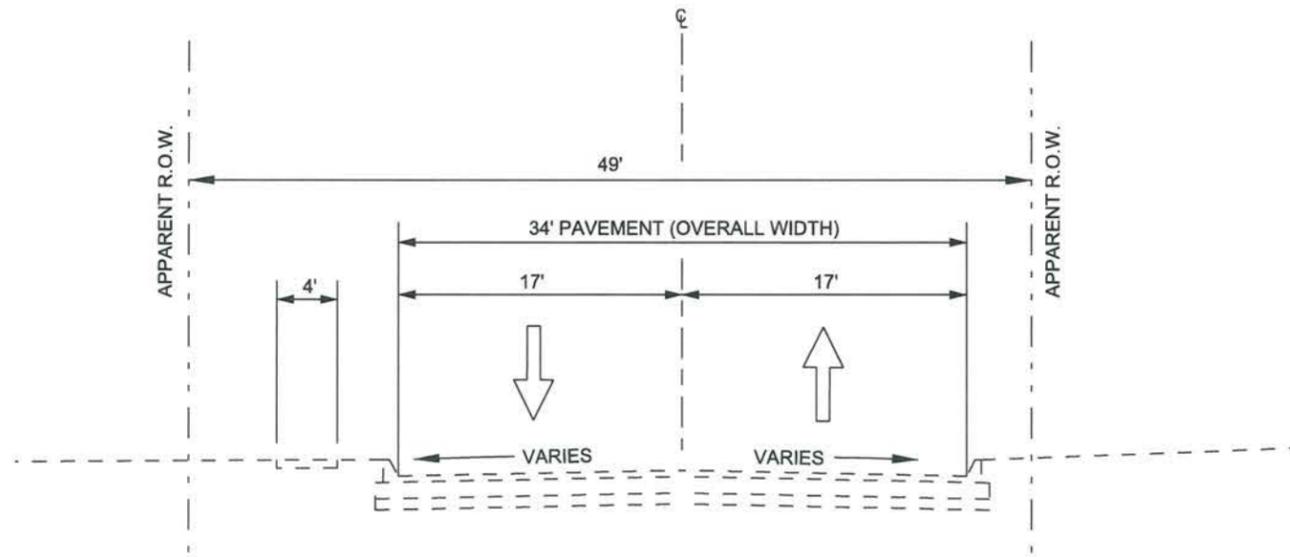


BARBARA DR
STA 16+02.50 TO STA 18+07.50

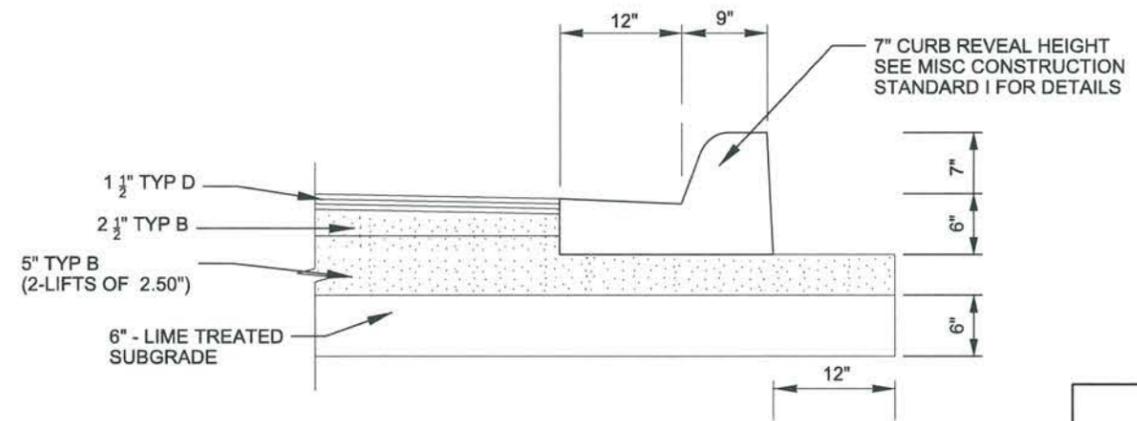
NOTE:

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2. NOTE THAT A GEOTECHNICAL REPORT DATED 12/29/2011 IS AVAILABLE FOR REFERENCE ONLY AT CONTRACTOR'S REQUEST THAT COVERS THE AREA BEYOND THE PROJECT LIMITS.

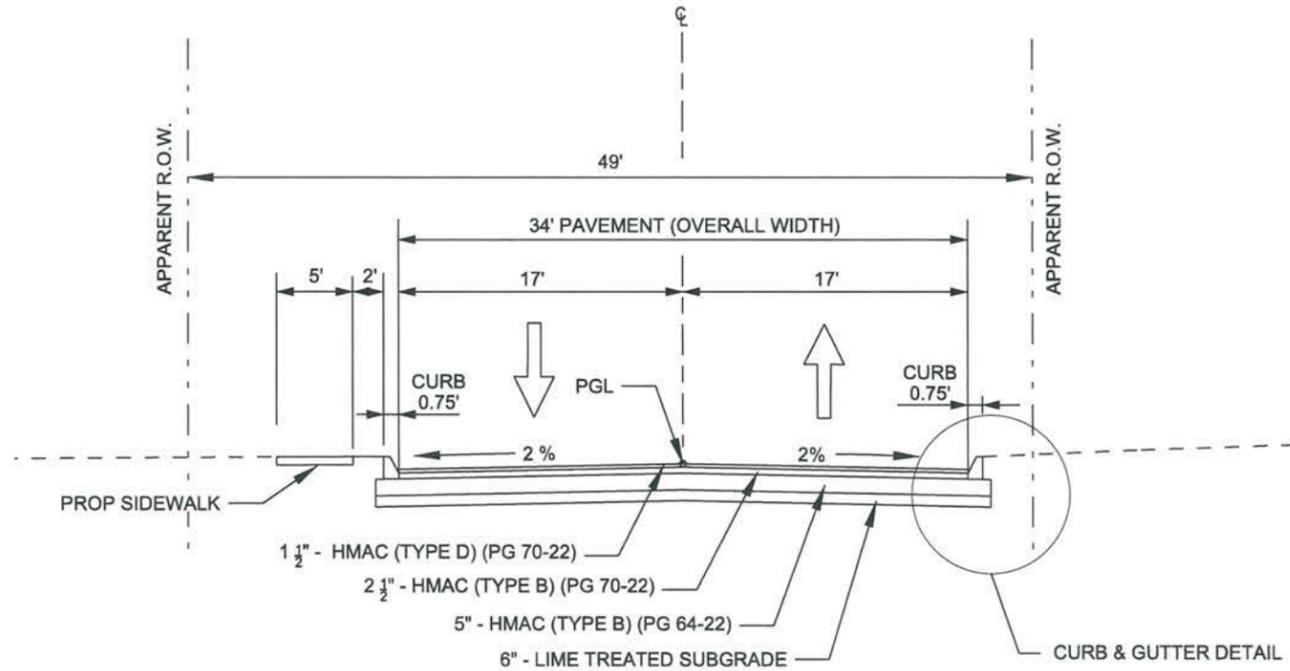
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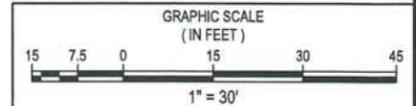
OBLATE DR
EXISTING ROADWAY



CURB & GUTTER DETAIL
N.T.S.



OBLATE DR
STA 10+00 TO STA 13+53.34



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FAX: (210) 641-6440
REGISTRATION #F-2214
CEC PROJECT NUMBER: E0384400



BARBARA DRIVE

TYPICAL SECTIONS
EXISTING AND PROPOSED
OBLATE DR (ADD. ALT. 1)

SHEET 6 OF 6

SUBMITTAL	PROJECT NUMBER	DATE	
100%	E0384400	1/12/2017	
DRWN BY:	DSGN BY:	CHKD BY:	SHEET NO.
EV	KS	MB	10

NOTE:

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2. NOTE THAT A GEOTECHNICAL REPORT DATED 12/29/2011 IS AVAILABLE FOR REFERENCE ONLY AT CONTRACTOR'S REQUEST THAT COVERS THE AREA BEYOND THE PROJECT LIMITS.

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THE FOLLOWING CHANGES ARE MADE TO THE CITY OF SAN ANTONIO'S GENERAL NOTES:

SOIL GENERAL NOTES:

1. EXCESS SOIL DISPOSAL. CONTRACTOR SHALL PROVIDE A SUBMITTAL REGARDING DISPOSAL SITE TO THE CITY 45 DAYS PRIOR TO COMMENCEMENT OF HAULING OFF ANY EXCAVATED AND/OR EXCESS FILL MATERIAL. THE CONDITIONS SET FORTH HEREIN ARE SOLELY DUE TO A DESIRE BY THE CITY TO MANAGE AND DOCUMENT THE DISPOSAL OF SOILS FROM THIS SITE, NOT DUE TO ANY ENVIRONMENTAL CONCERNS RELATIVE TO THE MATERIAL BEING DISPOSED OF. ACCORDINGLY, IN THE SOIL DISPOSAL CONTRACTOR SUBMITTAL:
 - a. CONTRACTOR SHALL CERTIFICATE AND ASSURE THAT THE NUMBER OF SOIL DISPOSAL SITE DOES NOT EXCEED THREE (3) SITES.
 - b. CONTRACTOR SHALL CERTIFY THAT NO DISPOSAL AREAS ARE WITHIN THE FLOODPLAIN AND KNOWN SUPERFUND OR ENVIRONMENTAL ISSUE AREA, AND PROVIDE OWNER EVIDENCE TO THAT EFFECT.
 - c. CONTRACTOR SHALL INCLUDE PROVISIONS IN LANDOWNER AGREEMENTS THAT THE CITY RESERVES THE RIGHT TO CONDUCT INDEPENDENT VISUAL INSPECTIONS AND SOIL TESTING ON LISTED PROPERTIES PRIOR TO DISPOSAL OF PROJECT EXCESS SOILS TO DETERMINE BACKGROUND LEVELS OF VARIOUS ELEMENTS AS IDENTIFIED BY THE CITY, SAID LANDOWNER AGREEMENTS WILL PROVIDE ELEMENTS AS IDENTIFIED BY THE CITY, SAID LANDOWNER AGREEMENTS WILL PROVIDE AN EFFECTIVE RIGHT OF ENTRY THAT WILL EXPIRE UPON SUBSTANTIAL COMPLETION OF THE PROJECT.
 - d. CONTRACTOR AGREES TO ABIDE BY THE LANDOWNERS WRITTEN CONDITIONS IN LANDOWNER AGREEMENTS INCLUDING THOSE RELATED TO FOR PLACING, COMPACTING, RESTORATION, AND EROSION CONTROL OF THE SITE(S), AND THAT THE LANDOWNER'S WILL BE REQUESTED TO PROVIDE FINAL WRITTEN APPROVAL BEFORE PRIOR TO SUBSTANTIAL COMPLETION, AND THAT ANY COSTS THE CITY INCURS TO ADDRESS LEGITIMATE LANDOWNER CONCERNS WILL BE CONSIDERED AND MAY BE DEDUCTED FROM THE CONTRACTOR'S FINAL PAYMENT AS DETERMINED BY THE CITY.
 - e. ACCORDINGLY, LANDOWNERS SHALL PROVIDE CERTIFICATION TO THE CONTRACTOR AND THE CONTRACTOR SHALL INCLUDE SAID CERTIFICATION IN HIS SUBMITTAL THAT EXCESS SOILS SHALL NOT BE HAULED TO RESIDENTIAL PROPERTIES. EVERY ATTEMPT WILL BE MADE TO DISPOSE OF EXCESS SOILS AT EITHER COMMERCIAL OR INDUSTRIAL PROPERTIES.
 - f. CONTRACTOR AGREES TO COMPLY WITH OTHER REGULATORY AGENCIES REQUIREMENTS FOR PROPER AND LEGAL IMPLEMENTATION OF THE REUSE PLAN PRIOR TO SOIL TRANSPORT, AS APPLICABLE. CONTRACTOR SHALL ENSURE AN APPROPRIATE STORM WATER POLLUTION PREVENTION PLAN IS DEVELOPED AND IMPLEMENTED IN ACCORDANCE WITH TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM REQUIREMENTS, AS APPLICABLE.
 - g. CONTRACTOR SHALL BE RESPONSIBLE FOR TRACKING EXCESS SOIL DISPOSAL OF AT APPROVED DESIGNATED AREAS. CONTRACTOR SHALL TRACK LOADS AND PROVIDE DOCUMENTATION, SUCH AS TRIP TICKETS OR "BILL OF LAND" FOR ALL TRANSPORTED SOIL TO EACH APPROVED SITE.
 - h. CONTRACTOR SHALL NOT BEGIN HAULING ACTIVITIES OF EXCAVATED OR EXCESS SOILS TO THE DESIGNATED DISPOSAL SITES UNTIL CITY'S ENGINEER OR HIS/HER DESIGNEE PROVIDES WRITTEN AUTHORIZATION.
 - i. IN THE EVENT CONTRACTOR ONLY PROVIDES ONE DISPOSAL LOCATION TO CITY AND AN ADDITIONAL DISPOSAL LOCATION IS NEEDED, CONTRACTOR IS REQUIRED TO NOTIFY CITY IN WRITING OF ITS NEW DISPOSAL LOCATION AND PROVIDE WRITTEN DOCUMENTATION TO CITY'S ENGINEER AT MINIMUM 72 HOURS IN ADVANCE OF UTILIZING THE ADDITIONAL DISPOSAL LOCATION SO CITY MAY REVIEW AND APPROVE THE ADDITIONAL DISPOSAL LOCATION, PRIOR TO HAULING ACTIVITIES.

SAWS NOTES:

2. SEE SAWS JOINT BID PLANS FOR DETAILS. EXISTING MANHOLE COVERS, VALVE COVERS, ETC. ARE TO BE ADJUSTED TO FINISH GRADE ELEVATION BY CONTRACTOR.

CPS NOTES:

3. CONTRACTOR SHALL BRACE ANY CPS ELECTRIC POLE IF THEY ARE WITHIN 5 FT OF ANY TRENCH EXCAVATION OPERATION AT CONTRACTOR'S OWN COST.

STEPS:

- j. IDENTIFY IN ADVANCE NEED FOR POLE BRACING. EXCAVATION WITHIN 5' OF EXISTING CPS POLE MORE THAN 2' DEEP.
- k. CONTACT CPS ENERGY UTILITY COORDINATION TO REQUEST POLE BRACING: JOHN OFFER JEOFFER@CPSENERGY.COM OR CLAUDIA VALLES-TOVAR CVALLES-TOVA@CPSENERGY.COM
- l. UTILITY COORDINATION GROUP WILL SET UP MEETING WITH CONTRACTOR AND CPS OVERHEAD ENGINEERING TO EVALUATE SITE.
- m. *CPS OVERHEAD ENGINEERING WILL BEGIN DESIGN OF POLE BRACING.
- n. **CPS OVERHEAD ENGINEERING WILL PROVIDE ESTIMATED COST FOR POLE BRACING.
- o. CONTRACTOR SUBMITS PAYMENT TO CPS FOR POLE BRACING.
- p. ONCE PAYMENT IS RECEIVED BY CPS, CPS OVERHEAD ENGINEERING WILL FINALIZE DESIGN
- q. CPS OVERHEAD ENGINEERING WILL RELEASE DESIGN TO CPS CONSTRUCTION.
- r. CPS CONSTRUCTION WILL SCHEDULE APPROPRIATE CREWS TO COMPLETE JOB.
- s. CPS CONSTRUCTION COMPLETES JOB.

*CPS OVERHEAD ENGINEERING WILL ALSO DETERMINE THE NEED FOR TEMPORARY CONSTRUCTION EASEMENTS TO PROPERLY INSTALL THE POLE BRACING. IF TEMPORARY CONSTRUCTION EASEMENTS ARE REQUIRED, FURTHER COORDINATION WITH CPS ROW WILL BE COMPLETED TO ACQUIRE THE TEMPORARY CONSTRUCTION EASEMENTS. **IF TEMPORARY CONSTRUCTION EASEMENTS ARE REQUIRED, THE COST ASSOCIATED TO ATTAIN THE EASEMENTS WILL BE INCLUDED IN ESTIMATED COST FOR POLE BRACING PAID FOR BY THE CONTRACTOR.

DRAINAGE NOTES:

4. CONTRACTOR SHOULD TAKE NOTE THAT THIS PROJECT IS LOCATED IN THE 100 YEAR FLOODPLAIN.
5. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN ALL REQUIRED STORM WATER PERMITS, FEES, AND APPROVALS. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PERMITS REQUIRED FOR CONSTRUCTION IN DRAINAGE EASEMENTS, RIGHT OF WAYS, AND FLOODPLAINS.
6. THE CONTRACTOR SHALL NOTIFY STORM WATER ENGINEERING AT LEAST 24 HOURS PRIOR TO THE INSTALLATION OF ANY DRAINAGE FACILITY WITHIN A DRAINAGE EASEMENT OR STREET RIGHT OF WAY NOT INDICATED ON THE CONSTRUCTION PLANS.
7. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING DRAINAGE FACILITIES FROM DAMAGE. ANY DAMAGE TO EXISTING DRAINAGE SYSTEMS, WHETHER OR NOT SHOWN ON THE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AT HIS EXPENSE. THE CONTRACTOR SHALL NOTIFY STORM WATER ENGINEERING AT 210-207-8052 AS SOON AS CONFLICTS WITH UTILITIES ARE ENCOUNTERED OR ANY DRAINAGE SYSTEM IS DAMAGED DURING CONSTRUCTION.
8. CONSTRUCTION SPOILS WILL NOT BE ALLOWED TO BE DEPOSITED ANYWHERE WITHIN THE RIGHT OF WAY OR FLOODPLAIN WITHIN THE LIMITS OF THE PROJECT AND SHALL BE DISPOSED OFFSITE IN COMPLIANCE WITH CURRENT APPLICABLE REGULATIONS.
9. NO STRUCTURE, FENCES, WALLS, LANDSCAPING OR OTHER OBSTRUCTIONS THAT IMPEDE DRAINAGE SHALL BE PLACED WITHIN THE LIMITS OF THE DRAINAGE EASEMENTS SHOWN ON THE CONSTRUCTION DOCUMENTS.
10. UPON COMPLETION OF TRENCHING, THE AREA WILL BE BACKFILLED AND COMPACTED TO ITS ORIGINAL CONDITION. TRENCHES/BORE PITS TO BE OPEN AND UNATTENDED LONGER THAN 24 HOURS SHALL BE PROTECTED TO WITHSTAND ALL HYDRODYNAMIC AND HYDROSTATIC FORCES AND PREVENT DOWNSTREAM IMPACTS. TRENCHES/BORE PITS TO BE OPEN LONGER THAN 30 DAYS AFTER STARTING EXCAVATION SHALL BE FILLED WITH A SEMI-PERMANENT REPAIR BACKFILL.
11. IMPROVED SECTIONS OF EARTHEN CHANNELS AND/OR WATERWAYS WILL BE VEGETATED BY SEEDING OR SODDING. EIGHTY FIVE PERCENT OF THE CHANNEL SURFACE AREA MUST HAVE ESTABLISHED VEGETATION BEFORE THE CITY OF SAN ANTONIO WILL ACCEPT THE CHANNEL FOR MAINTENANCE.
12. CONTRACTOR SHALL NOT PLACE WEEP HOLES IN PRECAST BOX CULVERTS.
13. CHANNEL CONSTRUCTION. IT IS CONTRACTOR'S RESPONSIBILITY TO MAINTAIN PROPER DRAINAGE DURING EXCAVATION, CONSTRUCTION OF THE PROPOSED CHANNEL, AND FOR THE DURATION OF CONSTRUCTION. ANY DEWATERING REQUIRED DUE TO GROUND WATER ENCOUNTERED AND/OR STORM WATER AND FLOODING EVENTS IS CONTRACTOR'S RESPONSIBILITY AND IS CONSIDERED SUBSIDIARY TO CHANNEL EXCAVATION.

VIA GENERAL NOTES:

1. THE CONTRACTOR SHALL NOT REMOVE OR ADJUST ANY VIA ASSETS.
2. THE CONTRACTOR MUST CONTACT VIA ((210)362-2155 OR (210)362-2096) FOURTEEN DAYS PRIOR, FOR THE REMOVAL OF BENCHES, STOP POLES AND ANY OTHER VIA AMENITIES WITHIN THE PROJECT LIMITS.
3. PLEASE PROVIDE THIRTY DAYS PRIOR NOTICE FOR SHELTER REMOVAL.
4. THE CONTRACTOR WILL BE LIABLE FOR ANY DAMAGES TO VIA FACILITIES NOT REMOVED BY VIA.
5. THE CONTRACTOR IS REQUIRED TO REPLACE ALL FLATWORK REMOVED OR DAMAGED IN THE COURSE OF EXECUTING THE CONTRACT UNLESS OTHERWISE NOTED BY VIA.
6. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING VIA FACILITIES IF ADJACENT TO WORK AREA.
7. CONCERNING NEW VIA RELATED FLATWORK: THE CONTRACTOR SHALL SCHEDULE WITH VIA ((210)362-2155 OR (210)362-2096) A PRE-POUR INSPECTION FOR ANY SHELTER SLAB, PAD, ADA CONNECTOR OR OTHER PLACEMENT THAT DIRECTLY AFFECTS VIA AMENITIES PLACEMENT NOT TO INCLUDE SIDEWALKS.

LANDSCAPING NOTES:

1. DRAINFIELD MIX GRASS SEED MIXTURE SHALL BE INSTALLED IN COMPLIANCE WITH THE ITEM 520 HYDROMULCHING, AS DESCRIBED FOR ANNUAL RYEGRASS. THE RATE OF SEEDING SHALL BE AT A RATE OF 5 LBS. PER 1,000 SQUARE FEET. THE WOOD/CELLULOSE BLEND FIBER MULCH AND BINDER SHALL BE PLACED NO MORE THAN 3/8" THICK, AND MAY BE PLACED OVER THE TOP OF THE SEED BED, AFTER SEED HAS BEEN APPLIED TO THE PREPARED SOIL.

CHANNEL EXCAVATION NOTES (ADD ALT. 3):

1. SPOILS COMPOSED OF SOIL, GRAVEL, FLEXIBLE BASE AND FREE FROM ROCK GREATER THAN 4-INCHES, ASPHALT, CONCRETE, METAL, AND LITTER OF ANY KIND SHALL BE TRANSPORTED AND DISPOSED OF AT THE DESIGNATED OFF-SITE LANDFILL FACILITY LOCATED AT 8963 NELSON ROAD, SAN ANTONIO, TEXAS, FOR USE AS LANDFILL COVER. SPOILS MEETING THE ABOVE CRITERIA WILL BE DETERMINED BY OWNER. NO CONSTRUCTION TRASH IS ALLOWED.
2. CONTRACTOR WILL NOT BE REQUIRED TO GENERATE THE FOLLOWING DOCUMENTATION IF SPOILS ARE TRANSPORTED TO THE NELSON ROAD SITE FOR DISPOSAL:
 - A. FLOODPLAIN CERTIFICATION SUBMITTAL TO CITY FOR UTILIZING THIS SITE
 - B. SOIL RELOCATION & COMMUNICATION PLAN
 - C. PROPERTY OWNER ACCEPTANCE LETTER FOR SPOILS
 - D. DISPOSAL FEE(S)
3. CONTRACTOR WILL NOT BE RESPONSIBLE TO SPREAD SPOILS AT DESIGNATED SITE.
4. PROVIDE 780 LF OF SILT FENCE AND DELIVER TO SITE LOCATION. INSTALLATION AND MAINTENANCE OF SILT FENCE WILL BE PERFORMED BY CITY. COST OF MATERIAL AND DELIVERY OF MATERIAL IS SUBSIDIARY TO SPECIAL ITEM 9999.
5. PROVIDE 177 SY OF CRUSHED AGGREGATE AND DELIVER TO SITE LOCATION FOR USE AS CONSTRUCTION EXIT. FURNISH AGGREGATES THAT ARE CLEAN, HARD, DURABLE, AND FREE FROM ADHERENT COATINGS SUCH AS SALT, ALKALI, DIRT, CLAY, LOAM, SHALE, SOFT, OR FLAKY MATERIALS AND ORGANIC AND INJURIOUS MATTER. USE 4- TO 8- IN. ROCK FOR TYPE 1 AND 2- TO 4- IN. ROCK FOR TYPE 3. INSTALLATION AND MAINTENANCE OF CONSTRUCTION EXITS WILL BE PERFORMED BY CITY. COST OF MATERIAL AND DELIVERY OF MATERIAL IS SUBSIDIARY TO SPECIAL ITEM 9999.
6. PROVIDE A TRIP TICKET FORM TO CITY FOR APPROVAL THAT CONTRACTOR WILL USE WHEN DELIVERING SPOILS. COST FOR CREATING TRIP TICKET FORMS SHALL BE CONSIDERED SUBSIDIARY TO SPECIAL ITEM 9999. THE FORM SHALL INCLUDE THE FOLLOWING INFORMATION:
 - A. PROJECT NAME
 - B. NAME OF CONTRACTOR
 - C. NAME OF TRUCKING COMPANY
 - D. TRUCK NO.
 - E. DATE
 - F. TIME
 - G. UNIQUE TRIP TICKET NUMBER
 - H. TWO (2) SIGNATURE LINES
 - I. ONE (1) FOR TRUCK DRIVER
 - II. ONE (1) FOR LANDFILL ACCEPTANCE TECHNICIAN
 - I. COMPLETED TRIP TICKETS SHALL BE SUBMITTED TO CITY AS PART OF CONTRACTORS REQUEST FOR PAYMENT.
7. TWO (2) WEEKS PRIOR TO INITIAL DELIVERY OF SPOILS, COORDINATE WITH COSA FOR ENTRY AND PROCESSING INTO THE DESIGNATED FACILITY. CONTACT MR. ROGER ESCAMILLA AT:

(210) 207-6537 (OFFICE)
 (210) 416-1845 (CELL)
 ROGELIO.ESCAMILLA@SANANTONIO.GOV



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Kristina Saenz
1/13/2017



CIVIL ENGINEERING CONSULTANTS
REGISTRATION #F-2214
SAN ANTONIO, TEXAS

CITY OF SAN ANTONIO
CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT

BARBARA DRIVE

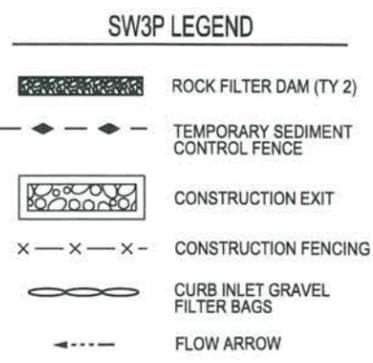
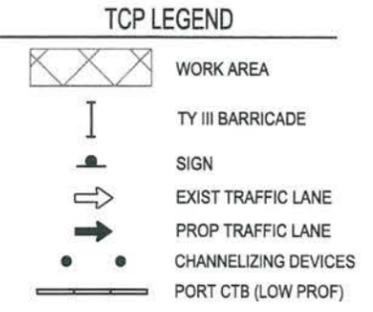
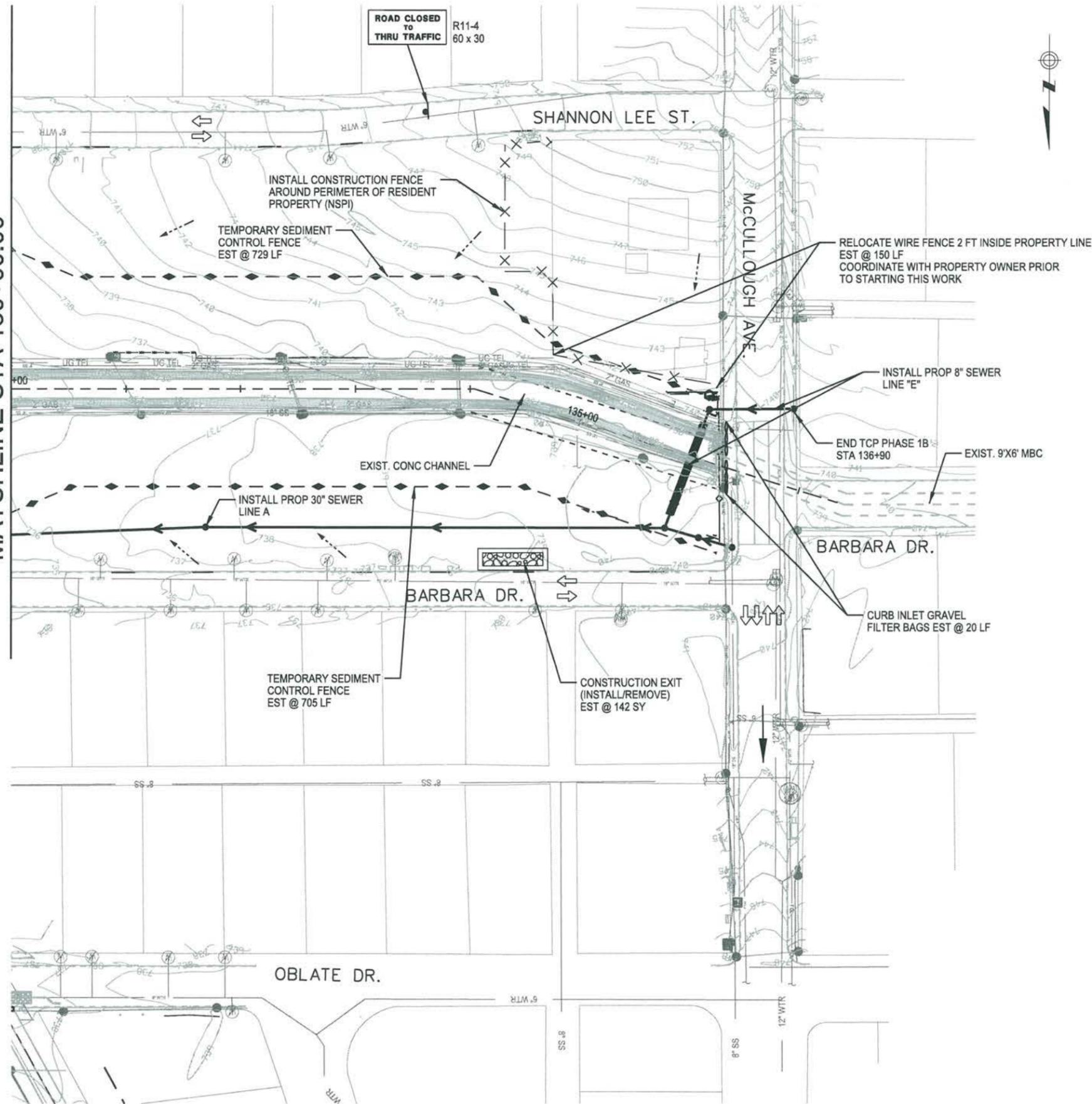
SUPPLEMENTAL GENERAL NOTES

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		SHEET NO.: 12 OF

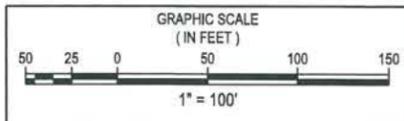
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MATCHLINE STA 130+00.00



NOTE: SEE TCP STANDARDS FOR BARRICADE AND SIGN PLACEMENT



STATE OF TEXAS
 LICENSED PROFESSIONAL ENGINEER
 KRISTINA SAENZ, P.E. 116984
 1/12/2017

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CEC DON DURDEN, INC.
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 SAN ANTONIO, TEXAS 78230-1037
 TEL: (210) 641-9999
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 REGISTRATION #F-2214
 CEC PROJECT NUMBER: E0384400

T&C CITY OF SAN ANTONIO
 TRANSPORTATION & CAPITAL IMPROVEMENTS

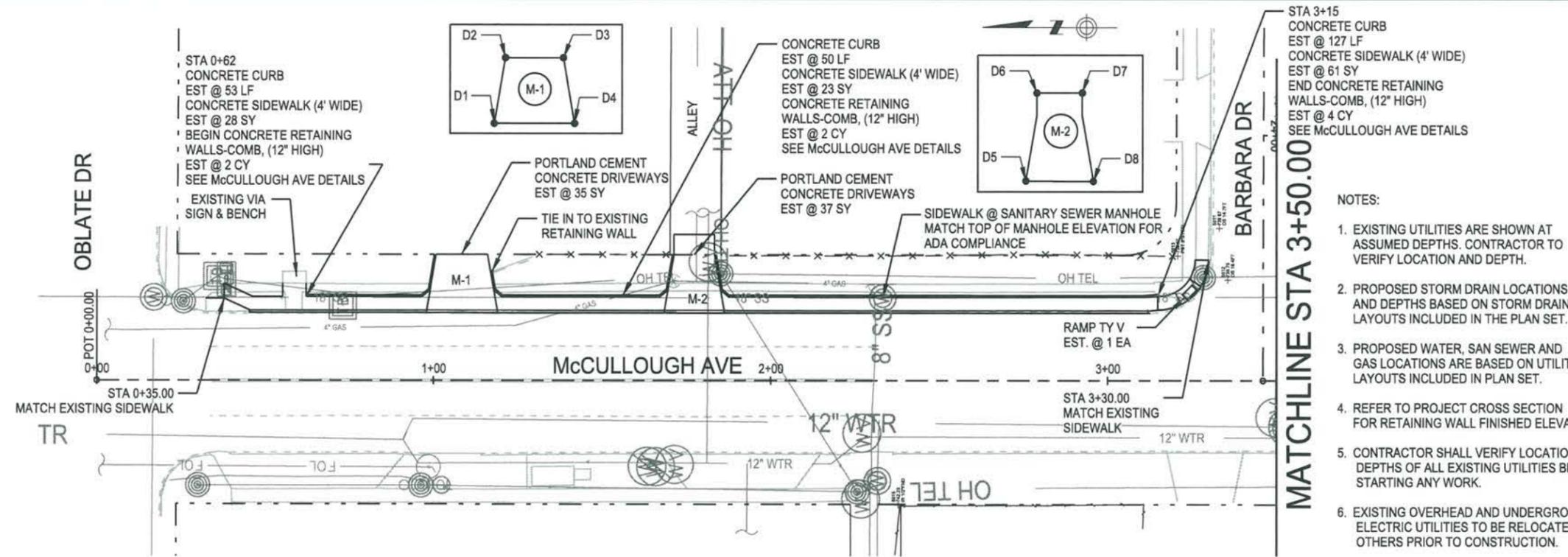
BARBARA DRIVE
 TRAFFIC CONTROL & SW3P
 SEQUENCE OF WORK
 PHASE 1B

SEQUENCE OF WORK NARRATIVE
 - SEE TCP & SW3P SHEET 2 OF 8 FOR DETAILS

SHEET 3 OF 8

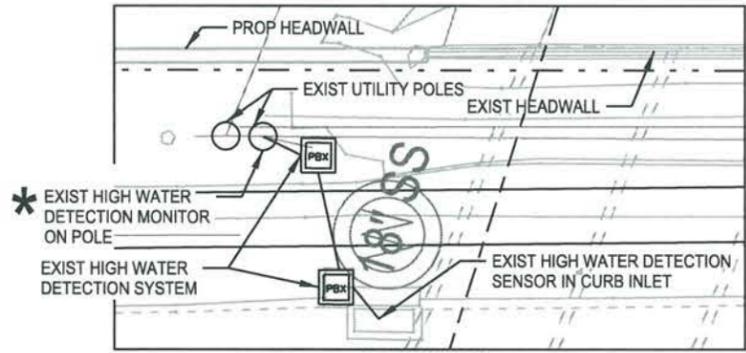
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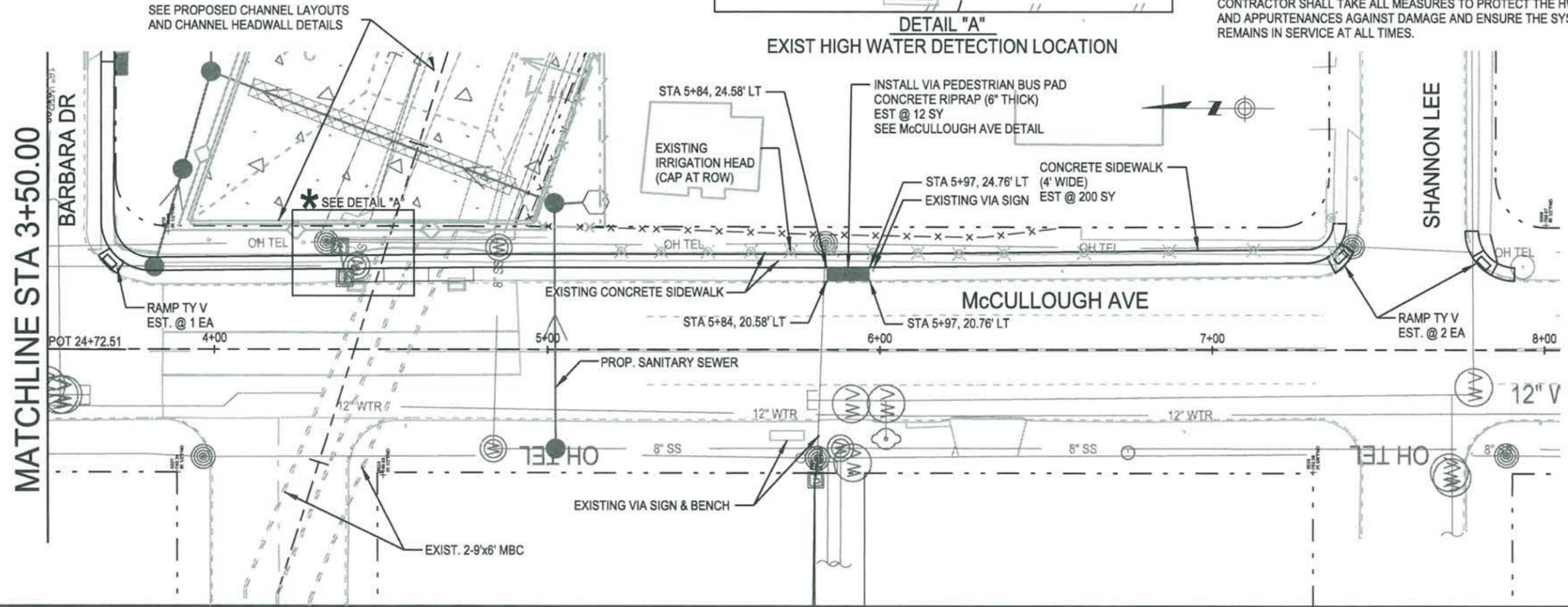


ASPHALTIC CONCRETE DRIVEWAY	STATION	OFFSET	WIDTH	AREA (SY)
M-1	01+08.39	20.00' LT	21.17'	35
M-2	01+77.35	20.00' LT	17.86'	37

POINT #	STATION	OFFSET
D1	00+97.81	20.00' LT
D2	1+00.76	37.22' LT
D3	1+16.03	37.22' LT
D4	1+18.98	20.00' LT
D5	1+68.42	20.00' LT
D6	1+71.35	37.17' LT
D7	1+83.35	37.17' LT
D8	1+86.28	20.00' LT



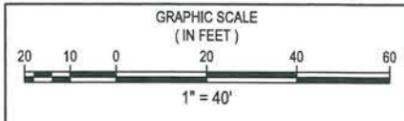
* NOTE THAT THERE IS A HIGH WATER DETECTION SYSTEM LOCATED ADJACENT TO THE EXISTING HEADWALL AT McCULLOUGH AVENUE. THE SYSTEM IS LOCATED ON A POLE AND SHALL BE BRACED PRIOR TO BEGINNING WORK IN THIS AREA. CONTRACTOR SHALL TAKE ALL MEASURES TO PROTECT THE HWDS AND APPURTENANCES AGAINST DAMAGE AND ENSURE THE SYSTEM REMAINS IN SERVICE AT ALL TIMES.



GRADING PLAN LEGEND

- PROPOSED EOP/ CURB
- PROPOSED TOP OF CHANNEL
- BOTTOM OF CHANNEL
- EXISTING FEATURES
- - - EXISTING ROW
- PROPERTY LINES
- CONCRETE REMOVAL (103) [SEE NOTE 1]
- 4' RIPRAP
- OH ELEC — OVERHEAD ELECTRIC (CPS)
- ATT OH — OVERHEAD TELE (AT&T)
- OH CAB — OVERHEAD CATV (TWC)
- OH TEL — OVERHEAD TELE (GRANDE)
- TWC UG — UNDERGROUND CATV (TWC)
- UG TEL — UNDERGROUND TELE (AT&T)
- X" GAS — GAS LINE (CPS)
- X" WTR — WATER LINE (SAWS)
- X" SS — SAN SEWER LINE (SAWS)
- UTILITY POLE
- FIRE HYDRANT
- ⊗ WATER VALVE
- ⊙ WATER METER
- ⊕ SAN SEWER MANHOLE
- ⊗ GAS METER
- ⊙ STORM DRAIN MANHOLE
- ⊕ PEDESTRIAN RAIL
- ⊗ CONC. CURB QUANTITY (LF)
- ⊙ IRRIGATION HEAD

- NOTES:
- EXISTING UTILITIES ARE SHOWN AT ASSUMED DEPTHS. CONTRACTOR TO VERIFY LOCATION AND DEPTH.
 - PROPOSED STORM DRAIN LOCATIONS AND DEPTHS BASED ON STORM DRAIN LAYOUTS INCLUDED IN THE PLAN SET.
 - PROPOSED WATER, SAN SEWER AND GAS LOCATIONS ARE BASED ON UTILITY LAYOUTS INCLUDED IN PLAN SET.
 - REFER TO PROJECT CROSS SECTION FOR RETAINING WALL FINISHED ELEVATIONS
 - CONTRACTOR SHALL VERIFY LOCATIONS AND DEPTHS OF ALL EXISTING UTILITIES BEFORE STARTING ANY WORK.
 - EXISTING OVERHEAD AND UNDERGROUND ELECTRIC UTILITIES TO BE RELOCATED BY OTHERS PRIOR TO CONSTRUCTION.
 - EXISTING CATV AND TELECOMMUNICATION UTILITIES (AERIAL AND BURIED) TO BE RELOCATED BY OTHERS PRIOR TO CONSTRUCTION.
 - EXISTING WATER AND SANITARY SEWER UTILITIES TO BE RELOCATED AS PART OF CONSTRUCTION OF THIS PROJECT. SEE SAWS WATER AND SEWER JOINT BID PLANS FOR DETAILS.



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY KRISTINA SAENZ, P.E. 116984

Kristina Saenz
 1/12/2017

CEC DON DURDEN, INC.
 d.b.a. CIVIL ENGINEERING CONSULTANTS
 11550 IH 10 WEST, SUITE 395
 SAN ANTONIO, TEXAS 78230-1037
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 REGISTRATION #F-2214

TCL CITY OF SAN ANTONIO
 TRANSPORTATION & CAPITAL IMPROVEMENTS

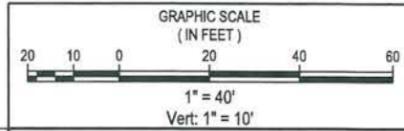
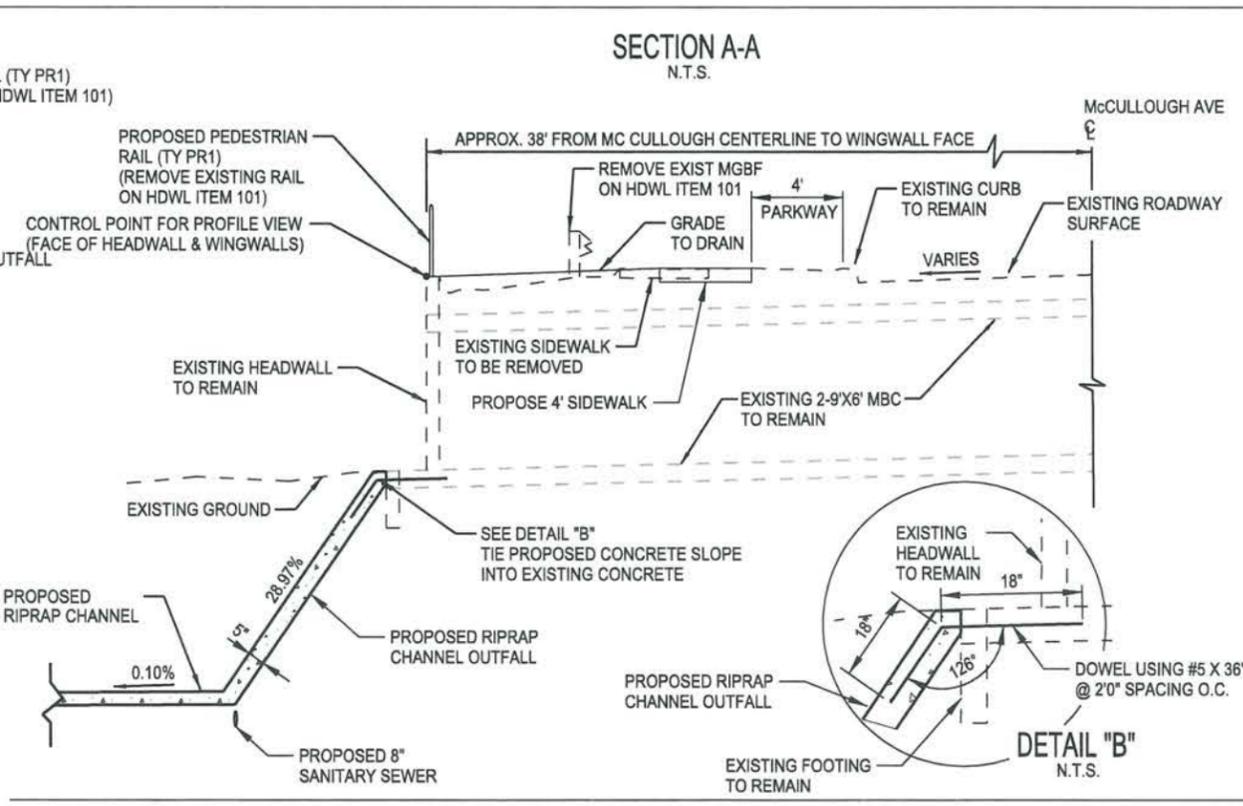
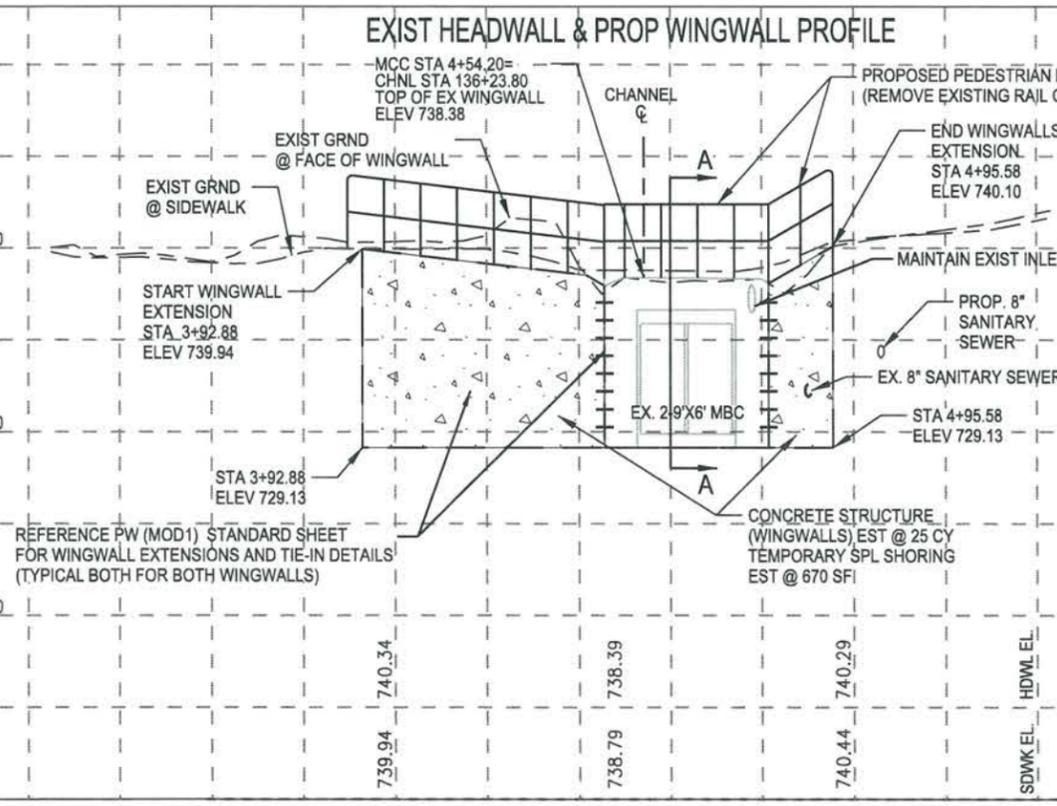
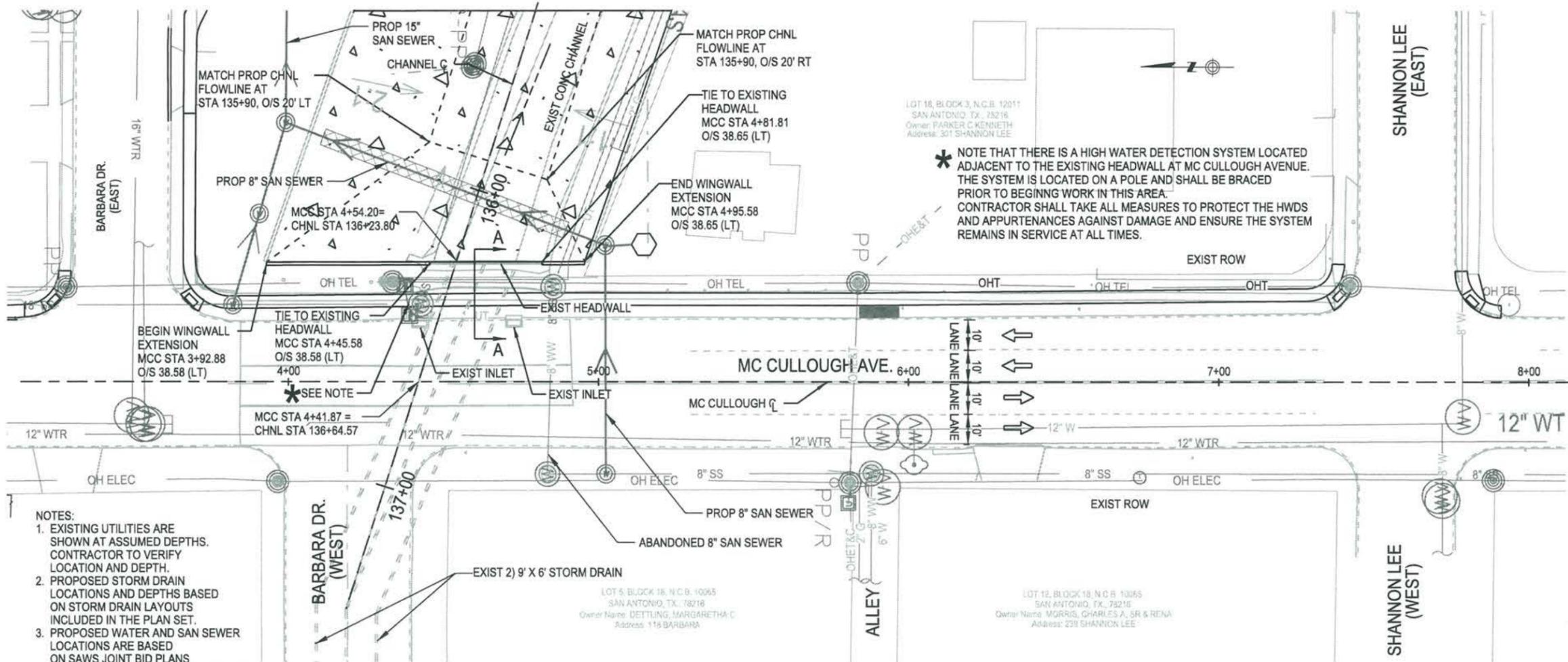
BARBARA DRIVE

McCULLOUGH AVE LAYOUT

SHEET 1 OF 1

SUBMITTAL	PROJECT NUMBER	DATE
100%	E0384400	1/12/2017

DRWN BY:	DSGN BY:	CHKD BY:	SHEET NO.
EV	KS	MB	53



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REGISTRATION #F-2214
CEC PROJECT NUMBER: E0384400



BARBARA DRIVE

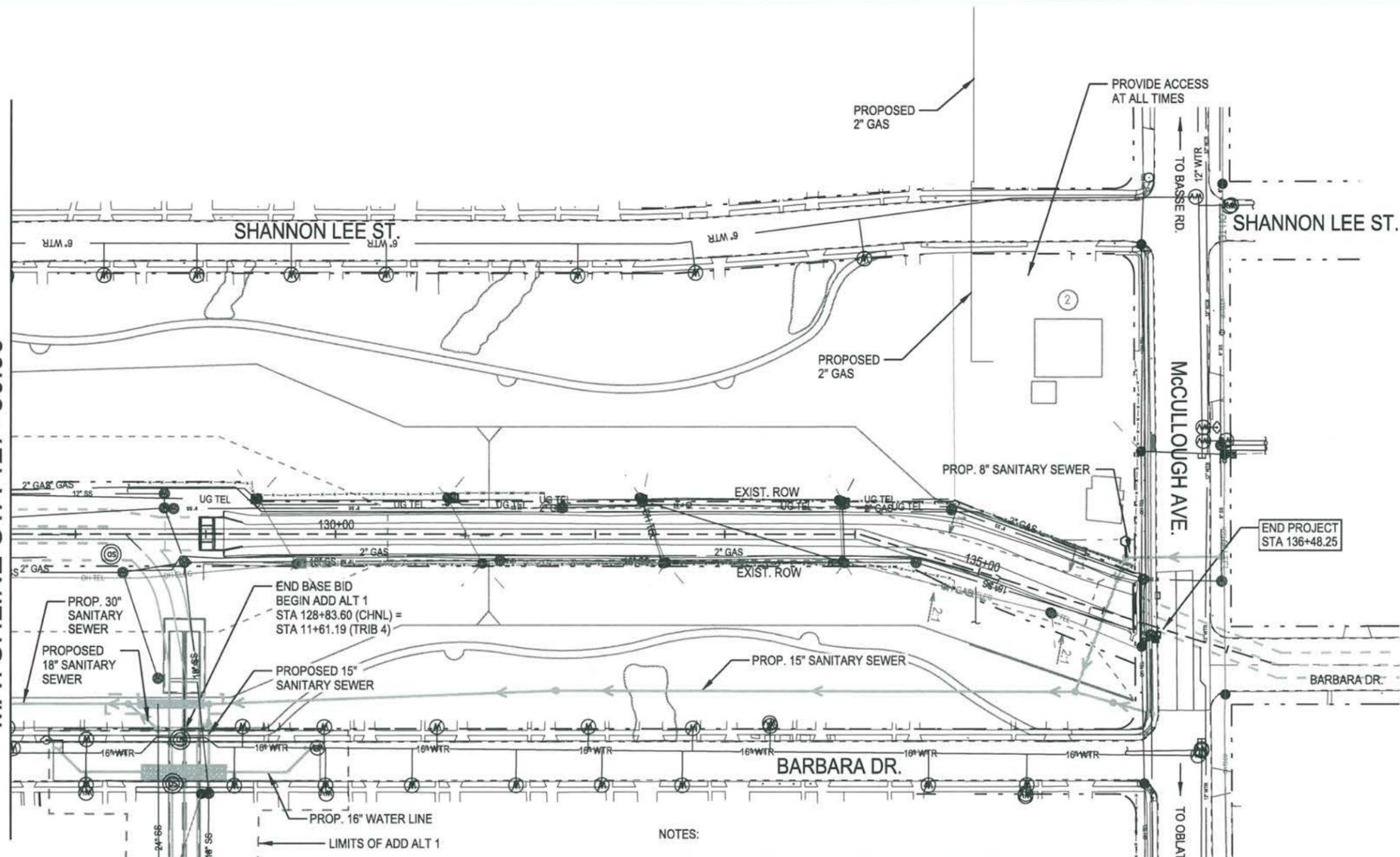
CHANNEL WINGWALL EXTENSION DETAIL

SHEET 1 OF 1

SUBMITTAL	PROJECT NUMBER	DATE
100%	E0384400	1/12/2017
DRWN BY:	DSGN BY:	CHKD BY:
EV	KS	MB
		SHEET NO.
		70

PLOTTED ON: 1/12/2017 @ 2:33:17 PM
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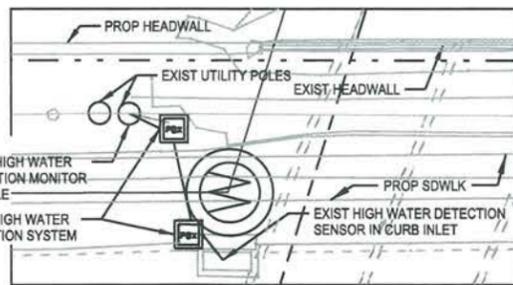
MATCHLINE STA 127+50.00



MATCHLINE A-A

RESIDENTIAL PROPERTIES TO REMAIN. PROVIDE ACCESS AT ALL TIMES.

PROPERTY ID	ADDRESS	PROPERTY OWNERS
1	274 BARBARA DR.	JAMES & GRACE CODD
2	301 SHANNON LEE	C. KENNETH PARKER, MELISSA CARROLL



DETAIL "A"
EXIST HIGH WATER DETECTION LOCATION



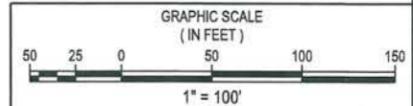
* NOTE THAT THERE IS A HIGH WATER DETECTION SYSTEM LOCATED ADJACENT TO THE EXISTING HEADWALL AT MC CULLOUGH AVENUE. THE SYSTEM IS LOCATED ON A POLE AND SHALL BE BRACED PRIOR TO BEGINNING WORK IN THIS AREA. CONTRACTOR SHALL TAKE ALL MEASURES TO PROTECT THE HWDS AND APPURTENANCES AGAINST DAMAGE AND ENSURE THE SYSTEM REMAINS IN SERVICE AT ALL TIMES.

NOTES:

1. THE TYPICAL QUALITY LEVEL OF THE UTILITY INFORMATION SHOWN ON THESE PLANS IS BASED ON QUALITY LEVELS C AND D.
2. CONTRACTOR SHALL VERIFY LOCATIONS AND DEPTHS OF ALL EXISTING UTILITIES BEFORE STARTING ANY WORK.
3. EXISTING OVERHEAD AND UNDERGROUND ELECTRIC UTILITIES TO BE RELOCATED BY OTHERS PRIOR TO CONSTRUCTION.
4. EXISTING CATV AND TELECOMMUNICATION UTILITIES (AERIAL AND BURIED) TO BE RELOCATED BY OTHERS PRIOR TO CONSTRUCTION.
5. EXISTING WATER AND SANITARY SEWER UTILITIES TO BE RELOCATED AS PART OF CONSTRUCTION OF THIS PROJECT. SEE SAWS WATER AND SEWER JOINT BID PLANS FOR DETAILS.
6. PROPOSED CPS GAS TO BE INSTALLED BY OTHERS PRIOR TO CONSTRUCTION.
7. EXISTING GRANDE COMMUNICATIONS CABINET TO REMAIN IN PLACE. TAKE CARE TO AVOID DAMAGE THIS FACILITY. DAMAGES SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.

UTILITY LEGEND

- OH ELEC — OVERHEAD ELECTRIC (CPS)
- ATT OH — OVERHEAD TELE (AT&T)
- OH CAB — OVERHEAD CATV (TWC)
- OH TEL — OVERHEAD TELE (GRANDE)
- TWC UG — UNDERGROUND CATV (TWC)
- UG TEL — UNDERGROUND TELE (AT&T)
- X" GAS — GAS LINE (CPS)
- X" WTR — WATER LINE (SAWS)
- X" SS — SAN SEWER LINE (SAWS)
- UTILITY POLE
- ⊕ FIRE HYDRANT
- ⊕ WATER VALVE
- ⊕ WATER METER
- ⊕ SAN SEWER MANHOLE
- ⊕ GAS METER
- ⊕ STORM DRAIN MANHOLE
- PROPOSED EOP/ CURB
- PROPOSED TOP OF CHANNEL
- BOTTOM OF CHANNEL
- EXISTING FEATURES
- EXISTING ROW
- PROPERTY LINES
- MILL & OVERLAY
- ▭ RIPRAP
- ▭ SODDING
- ▭ HYDRMULCH



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY KRISTINA SAENZ P.E. 116984

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BARBARA DRIVE

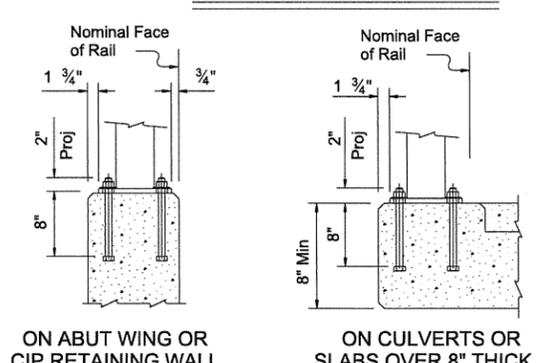
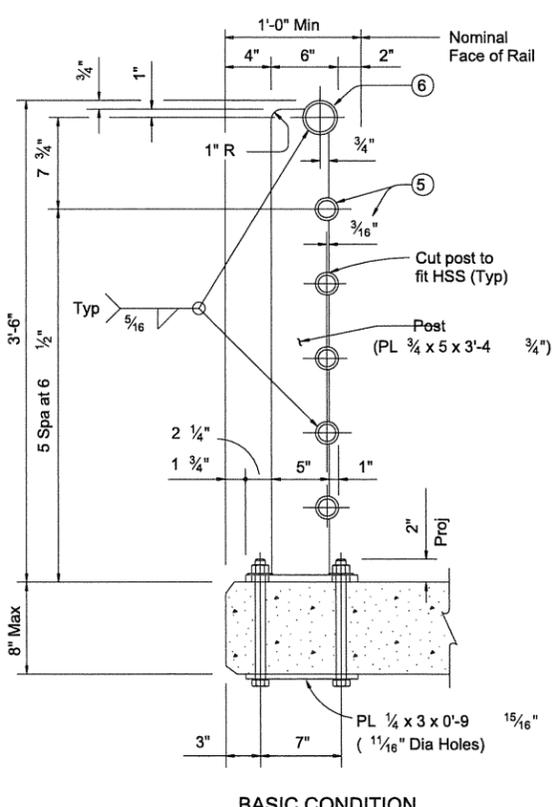
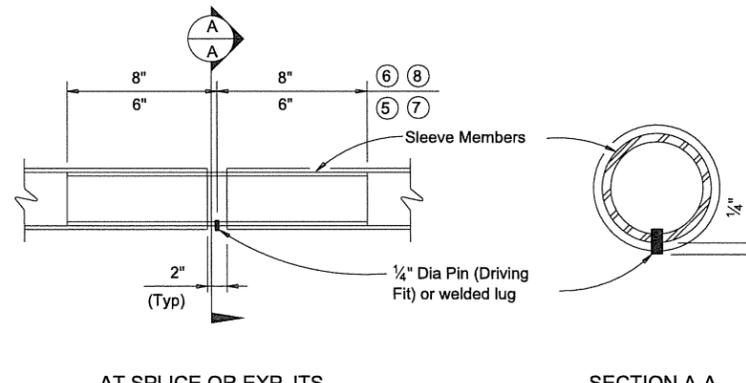
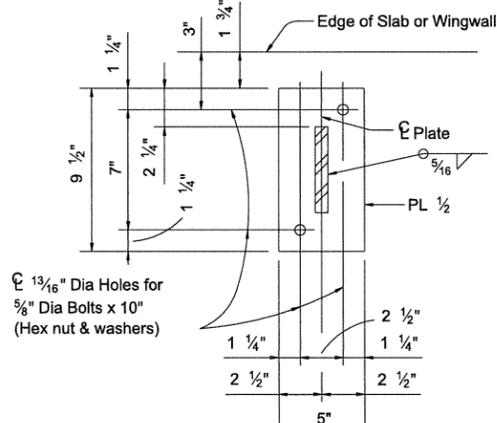
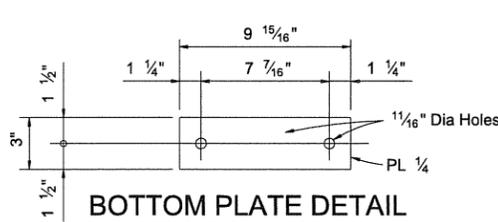
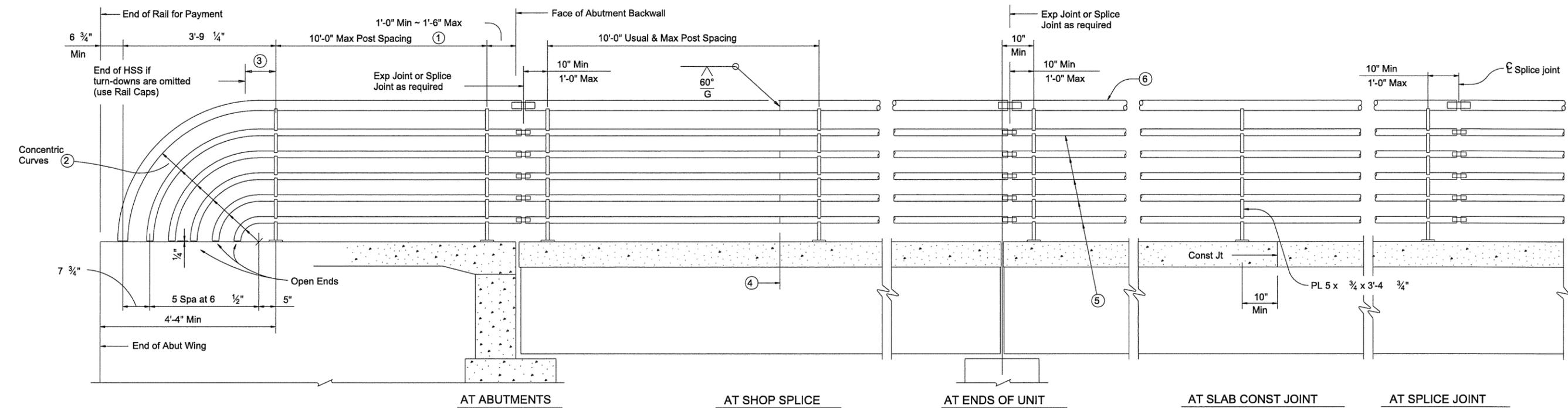
EXISTING & PROPOSED UTILITY LAYOUTS

SHEET 3 OF 4

SUBMITTAL	PROJECT NUMBER	DATE
100%	E0384400	1/12/2017
DRWN BY: EV	DSGN BY: KS	CHKD BY: MB
		SHEET NO. 102

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

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POST MOUNTING DETAILS

CONSTRUCTION NOTES:

Panel lengths of railing must be attached to a minimum of three posts except at abutment wingwalls. Face of rail and posts must be vertical transversely unless otherwise approved. Posts must be perpendicular to adjacent roadway grade. Use Type VIII epoxy mortar under post base plates if gaps larger than 1/16" exist. For curved railing applications, fabricate the HSS rails to the radius when the radius is 600' or less. Submit shop drawings for approval when tubes are required to be fabricated to a radius. Shop drawings must be submitted to the Engineer for approval. Round or chamfer exposed edges of HSS rail and HSS rail posts to approximately 1/16" by grinding.

MATERIAL NOTES:
 Provide ASTM-A500 Grade B, A1085 or A53 Grade B for all HSS.
 Provide ASTM-A36 for posts and plates.
 Galvanize all steel components unless otherwise shown.
 Anchor bolts must be 5/8" Dia ASTM A307 Grade A bolts (or A36 threaded rods with one tack welded hex nut each) with one hex nut and one hardened steel washer at each bolt. Threaded rods may be 0.557" minimum diameter with rolled threads. Nuts must conform to A563 requirements.

GENERAL NOTES:
 Designed according to AASHTO LRFD Specifications. Rail anchorage details shown on this standard may require modification for select structure types. See appropriate details elsewhere in plans for these modifications. Do not use this railing on bridges with expansion joints providing more than 5" movement. For all rails, submit erection drawings showing section lengths, splice locations, rail post spacing and anchor bolt setting for approval. Average weight of railing is 30 pcf.

- ① Min of 2 posts required on wingwall
- ② Portion of railing with turn-downs to be used or omitted as indicated on Bridge Layout.
- ③ 10" Min ~ 1'-6" Max if turn-downs are omitted.
- ④ One shop splice per panel is permitted (with minimum 85 percent penetration). The weld may be square groove or single vee groove. Grind smooth.
- ⑤ HSS 2.375 x 0.154
- ⑥ HSS 3.500 x 0.216
- ⑦ HSS 1.900 x 0.145
- ⑧ HSS 2.875 x 0.203

		Bridge Division Standard	
<h2>PEDESTRIAN RAIL</h2>			
<h3>TYPE PR1</h3>			
FILE: r1std028.dgn	DN: TxDOT	CK: TxDOT	DW: JTR
©TxDOT July 2014	CONT	SECT	JOB
REVISIONS			
DIST	COUNTY	SHEET NO.	
SAT	BEXAR	108A	

**CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS**

RECEIPT OF ADDENDUM NUMBER(S) 1 IS HEREBY ACKNOWLEDGED FOR PLANS AND SPECIFICATIONS FOR CONSTRUCTION OF **BARBARA DRIVE DRAINAGE PROJECT (McCULLOUGH AVE TO SKIPPER DR) – 23-01398**

FOR WHICH BIDS WILL BE OPENED ON **TUESDAY, JANUARY 24, 2016 AT 2:00 PM**

THIS ACKNOWLEDGEMENT MUST BE SIGNED AND RETURNED WITH THE BID PACKAGE.

Company Name: _____

Address: _____

City/State/Zip Code: _____

Date: _____

Signature

Print Name/Title