



Westpointe West Offsite Sewer Extension – Phase I

Solicitation Number: CO-00255

Job No.: 18-1658

ADDENDUM 2

January 23, 2019

To Bidder of Record:

This addendum, applicable to work referenced above, is an amendment to the bid proposal, plans and specifications and as such will be a part of and included in the Contract Documents. Acknowledge receipt of this addendum by entering the Addendum number and issue date on the space provided in submitted copies of the bid proposal.

RESPONSES TO QUESTIONS

- 1. Question: Can we get a Geo-tech Report for this project?**
Response: No geotechnical report is available for this project.
- 2. Question: If geo-tech is not available, what type of soils are found in this area?**
Response: A soil study was not performed for the project area.
- 3. Question: In regard to the manholes on the above referenced project why are concrete manholes being specified when normally FRP fiberglass manholes (T Base manhole risers or watertight manholes) are more typically specified? Especially on larger diameter sewer pipelines (36" for this project) where fiberglass pipe is specified.**
Response: The selected manholes specified on the plans adhere to the SAWS Specifications for Water and Sanitary Sewer Construction. For the purposes of bid evaluation, the bid will proceed with the sanitary sewer structures noted on the Specifications; however, SAWS will be open to reevaluating with the awarded contractor the type of manholes that will be installed during Construction. Any SAWS approved changes must be sent through the standard change order process.
- 4. Question: Will SAWS hold an on-site pre-bid meeting to allow prospective bidders access thru the various property owners to determine the amount of ROW clearing, ingress and exit points for material being brought in for construction (gravel, concrete, pipe etc.) and ground conditions?**
Response: A site walk-thru will take place on Monday, January 28th, 2019 at 10:00 am. Please meet at the southern end of the project. If you need directions to the site, please contact Timothy Ybarra (210-233-3062) or Emanuel Rodriguez (210-233-3715).
- 5. Question: Due to the depth of the proposed sewer line and the job location; are the prospective bidders allowed access to dig test holes to determine the amount of rock on the job?**
Response: No test holes will be allowed. However, a site walk-thru will take place on Monday, January 28th, 2019 at 10:00 am. Please meet at the southern end of the project.
- 6. Question: How do we get access to the entire job to do so in order to be able to turn in a balanced and competitive bid?**
Response: A site walk-thru will take place on Monday, January 28th, 2019 at 10:00 am. Please meet at the southern end of the project.
- 7. Question: Can the bores location be staked to determine their location prior to bid? I cannot tell from the plans exactly where on Talley Road they are located at. Trying to determine access for equipment and native soil classification, etc...**

Response: A site walk-thru will take place on Monday, January 28th, 2019 at 10:00 am. Please meet at the southern end of the project.

8. Question: Have all easement been acquired?

Response: The developer is working on getting the final easements recorded before the Notice to Proceed and construction begins on this project.

9. Question: Is there a topographic view of the center line that can be furnished? It appears there will be a lot of clearing that needs to be identified prior to bid.

Response: A copy of the preliminary tree preservation plan is included with this addendum for reference.

10. Question: Will SAWS furnish a tree protection plan identifying which trees are designated to be saved and ones can be removed?

Response: A copy of the preliminary tree preservation plan is included with this addendum for reference. The final tree preservation plan approved by the City Arborist will be provided prior to construction.

11. Question: Will SAWS add a bid item for tree fencing protection?

Response: Yes, line item to be added on bid tab for tree fencing and protection. Please reference the revised Bid tabulation table in this Addendum.

12. Question: Will SAWS add a bid item for the temporary fencing for cow protection or give us the stations it will be required at?

Response: Cost for temporary cattle control to be included in the fencing replacement line item.

13. Question: Will SAWS add SWPPP plan with the appropriate bit items for silt fence, rock berms, construction entrances?

Response: A copy of the SWPPP plan is provided with this addendum.

14. Question: Is the funding for this project 100% from SAWS to the Contractor?

Response: This is a tri-lateral project with participation from SAWS and Developer.

15. Question: Will SAWS move the bid date to February 1st. (1 week back). The answer to these questions and others will not be posted by SAWS until 4:00pm, January 25th (Friday). Monday is a holiday (MKL Day) which just leaves 3 working days to visit the site and do our due diligence and test holing to formulate the most competitive bid?

Response: The bid due date has been postponed to February 6th, 2019 at 1:00 pm as per Addendum #1.

16. Question: When is the anticipated Award date?

Response: The project will be proposed for award at the anticipated March 5th board meeting.

17. Question: When is the anticipated Notice to Proceed date?

Response: The NTP will be scheduled by the pre-con meeting following the anticipated March 5th board meeting.

18. Question: Is this a tri-lateral contract or straight SAWS contract?

Response: This is a tri-lateral project.

19. Question: Will SAWS add 50 calendar days to the contractual time line making it a total of 200 days? Due to the depth of the line, probability of rock, bores etc. We feel 150 days is not a realistic time line.

Response: No additional days will be added to contractual time line.

20. Question: Please advise when SAWS will host a site meeting to identify the location of the line to assess the variables that will be encountered accurately.

Response: A site walk-thru will take place on Monday, January 28th, 2019 at 10:00 am. Please meet at the southern end of the project.

21. Question: The Line Item sheet lists 123 lf of Jack and Bore 54" Steel Casing. However, after going through the plan document I only find 103 lf of jack and bore 54" casing. Is this a typo on the item sheet?

Response: The 123 LF of 54" Jack and Bore/Steel Casing is correct. Please refer to Sheet C3.00 STA 1+27.27 and Sheet C3.02 STA 29+48.00. In addition, 103 LF of 30" Jack and Bore/Steel Casing are called out on Sheet C3.05 STA 16+98.00.

22. Question: Do you also have a SWPPP plan for this project?

Response: A copy of the SWPPP plan is provided with this addendum

23. Question: When will job Start/be awarded?

Response: The project will be awarded and the NTP will be scheduled following the anticipated March 5th board meeting.

24. Question: Is this a Federally Funded Project?

Response: No.

25. Question: Retainage %?

Response: 5%

26. Question: Is certified payroll required? (Yes on TxDOT and COSA)

Response: Yes, certified payroll will be required for this project.

27. Question: Engineers Estimate? Broken out by owner? (CPS, SAWS, COSA, TxDOT)

Response: All improvements depicted on the construction documents are to be owned by SAWS or the private land owners (fencing, etc.). The Engineer's Estimate is not provided as part of the bid request package.

28. Question: Can we get an Excel version of the bid tab?

Response: No, an excel version of the bid tab will not be made available for this project.

29. Question: Any contaminated soil/liquids?

Response: No contaminated soils or liquids were identified during the environmental site investigation.

30. Question: Who is responsible for Material Testing?

Response: Contractor is responsible to engage a geotechnical engineer to perform the required testing.

31. Question: Is project schedule available?

Response: The project has been set to be completed within 150 calendar days.

32. Question: Is a project manual/specifications manual available?

Response: Please refer to Special Conditions section SC-2.0. All work performed in connection with this project shall be in accordance with the current San Antonio Water System Specifications for Water and Sanitary Sewer Construction, the conditions of the contract, the current Texas Department of Transportation Standard Specification for the Construction of Highways, Streets, and Bridges, and any requirements or specifications specified in the plans.

33. Question: in reference to SBEDA, does the specified goal apply only to the base bid? Or does it apply to the base + all the alternates? In other words, do we need to calculate SBEDA percentages to submit on our utilization sheet based on the base only, or base + alt?

Response: Please note that SAWS does not fall under the City of San Antonio's SBEDA Program. The SAWS Small, Minority, Woman, and Veteran-owned Business (SMWVB) Program has an aspirational goal of 20%. No alternate pricing was requested for this bid, therefore any calculations needed would be utilizing the base bid price.

34. Question: Can cross sections be provided?

Response: Please refer to the details provided with the plans. No additional cross-sections to be provided.

35. Question: Can the CAD files be provided?

Response: The CAD files are provided as a separate attachment and will be available for viewing/downloading at the SAWS website for this project and will require a disclosure form be acknowledged with electronic signature.

36. Question: Can a TCP be provided?

Response: No Traffic Control Plan was prepared for this project as the two Talley Road right-of-way crossings will be done by boring the full right-of-way width. Contractor should consider a TCP allowance within line item 18.

37. **Question: How will SAWS expect the revegetation to occur at this site without a readily available water source?**
Response: The disturbed areas are typically revegetated with a mix of native species seeding that does not require irrigation.
38. **Question: Between STA: 12 + 12.12 and STA: 16 + 46.00 there is a 15" FRP pipe. Should it be 15" PVC? There isn't a 15" FRP on the bid form**
Response: The callout for the pipe between Stations 12+12.12 and 16+32.00 has been revised on Sheet C3.05 to 15" SDR 26 PVC pipe.
39. **Question: Regarding the Westpointe West Offsite Sewer Extension, will a Geotechnical report or bore logs be provided for use of pricing?**
Response: No geotechnical report is available for this project.
40. **Question: Approximately at Station 12+00 there seems to be an existing structure. Do we need to remove/replace? Where does this get paid for? Do you have any information on this structure?**
Response: According to the surveyor, the structure seen on the Google Earth aerial image is a horse trailer that can be moved by the owner.
41. **Question: Need clarification on sheet C3.05 STA 12+00 on the 15" Sewer Line. The profile is showing 15" FRP SN72, is this supposed to be 15" SDR 26 Heavy Sewer Pipe or FRP SN72**
Response: The callout for the pipe between Stations 12+12.12 and 16+32.00 has been revised on Sheet C3.05 to 15" SDR 26 PVC pipe.

CLARIFICATIONS

1. **ENGINEER'S PROJECT COST ESTIMATE:** The previous project cost estimate is hereby modified from **\$2,512,349.95** to **\$2,558,412.45**

CHANGES TO THE SPECIFICATIONS

1. **BID TAB.** Delete previous Bid tab in its entirety and replace with the revised Bid tab attached to this Addendum. Modifications to bid tab as follows:
- added line items for "Tree Fencing and Protection" and "Revegetation"
 - moved mobilization and preparation of right-of-way to the end
 - added Subtotal line item
 - revised mobilization and preparation of right-of-way note regarding line items (1 – 22)

CHANGES TO THE PLANS

1. Sheet C3.05 Revise callout.
2. Added C5.00, C5.01, C5.02, C5.03

END OF ADDENDUM

This Addendum, including these 4 pages, is ten (10) pages with attachments in its entirety.

Attachments:

Bid Tab


Sheet C3.05

Sheet C5.00

Sheet C5.01

Sheet C5.02

Sheet C5.03

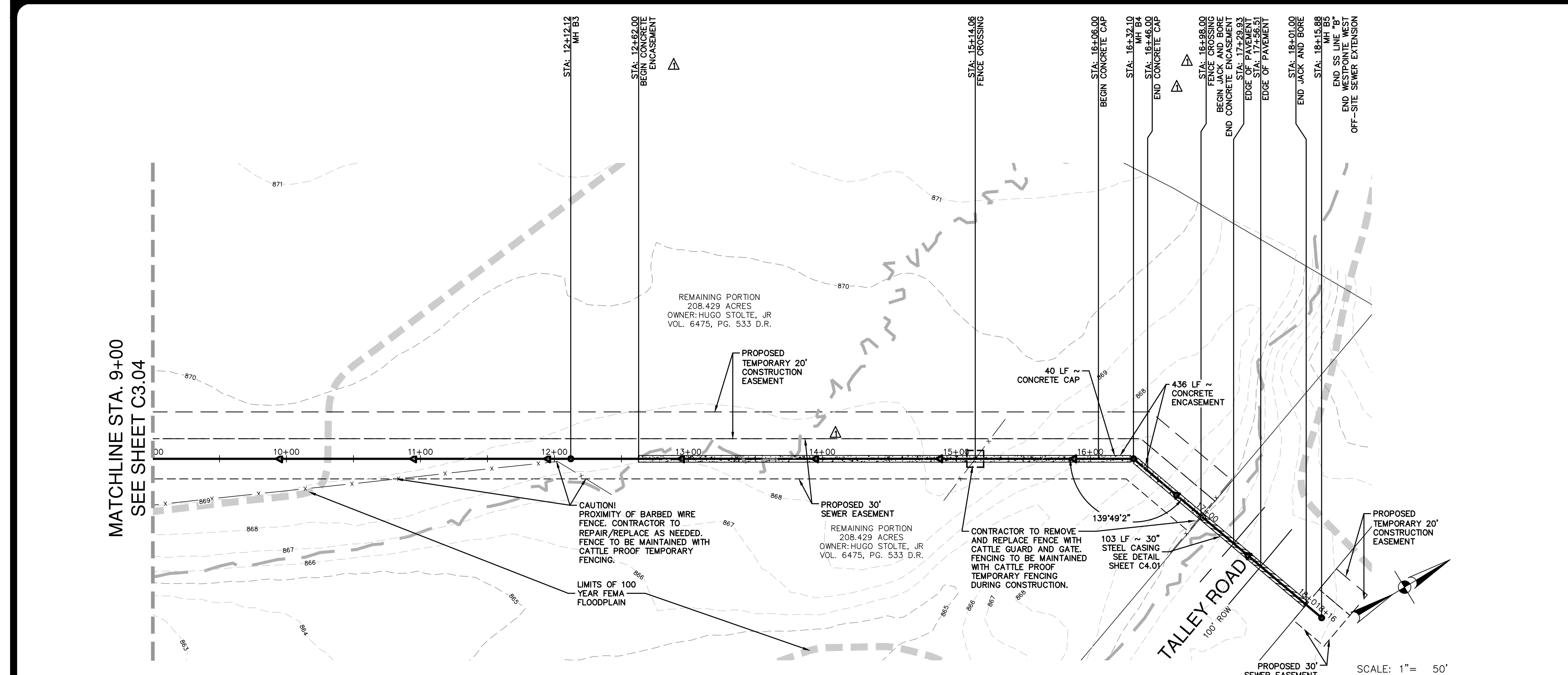

Jason Diamond, P.E.
Pape-Dawson Engineers, Inc.



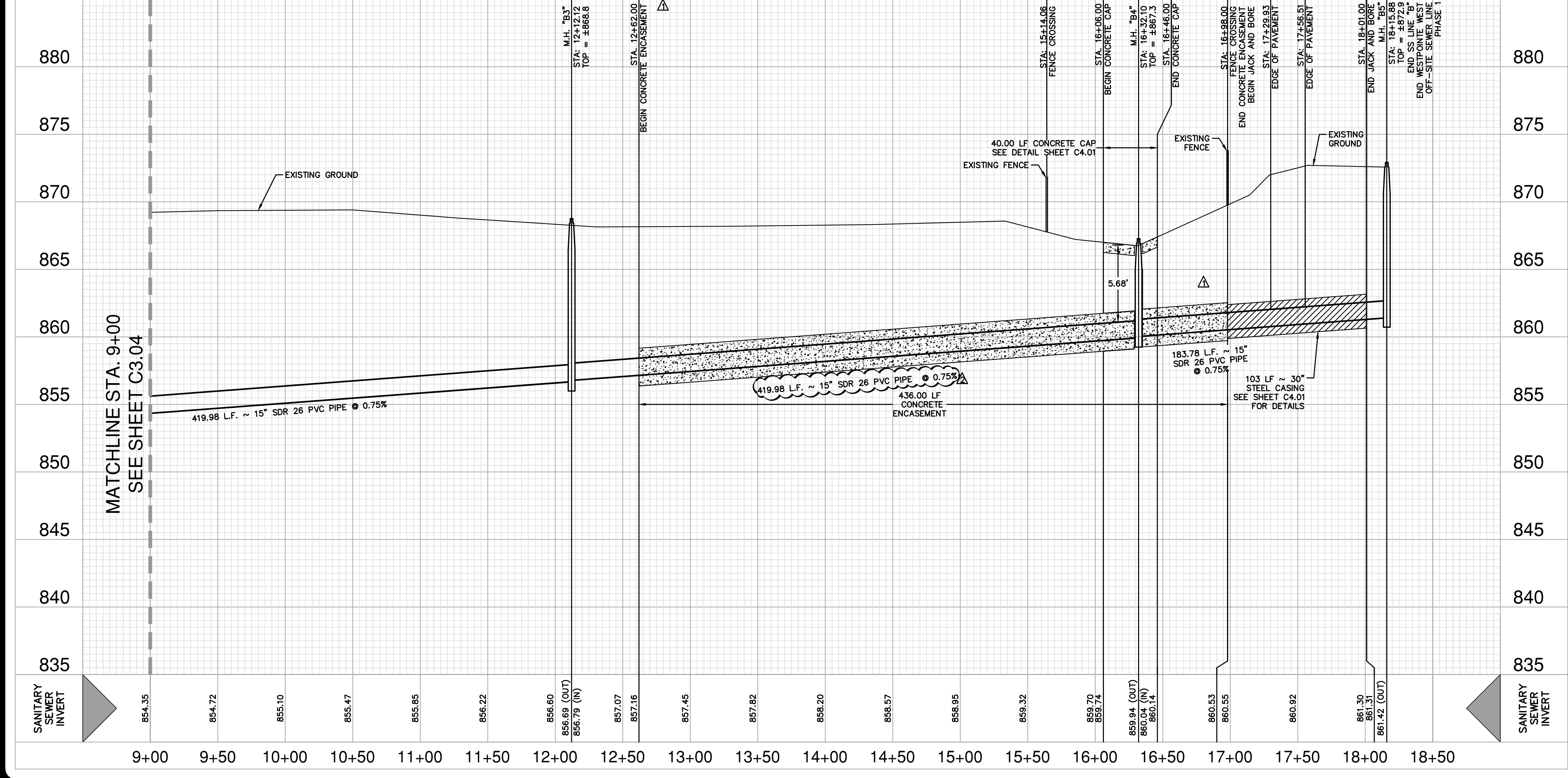
Quotes						
Line No.	Item No.	Item Description	Unit	Quantity	Unit Price	Total
1	1	36" FRP Gravity Sewer 6' - 10'	LF	312		
2	2	36" FRP Gravity Sewer 10' - 14'	LF	1335		
3	3	36" FRP Gravity Sewer >14'	LF	2614		
4	4	15" PVC Gravity Sewer (SDR 26) 6' - 10'	LF	583		
5	5	15" PVC Gravity Sewer (SDR 26) 10' - 14'	LF	574		
6	6	15" PVC Gravity Sewer (SDR 26) >14'	LF	559		
7	7	Jack and Bore 30" Steel Casing	LF	103		
8	8	Jack and Bore 54" Steel Casing	LF	123		
9	9	Sanitary Sewer Manholes (4' Diameter)	EA	5		
10	10	6' Sanitary Sewer Structure	EA	11		
11	11	Manholes - Extra Depth(>6')	VF	136		
12	12	Fence Gate 16' Type 1	EA	8		
13	13	Remove & Replace Fencing	LF	521		
14	14	Concrete Cap	LF	494		
15	15	Concrete Encasement	LF	2294		
16	16	Flowable Fill	CY	12		
17	17	Trench Excavation Safety Protection	LF	5977		
18	18	Signs & Traffic Handling	LS	1		
19	19	Sewer Main TV Inspection	LF	5977		
20	20	Tree Fencing and Protection	LS	1		
21	21	Revegetation	SY	21,250		
22	22	TPDES Storm Water Pollution Prevention Plan	LS	1		
SUBTOTAL						\$
23	23	*Mobilization	LS	1		
24	24	*Prepare Right-of-Way	LS	1		
TOTAL BID AMOUNT						\$

**Combined costs of Mobilization and Preparation of Right-of-Way may not exceed 10% of subtotal project price (Items 1-22)*

Date: Jan 18, 2019, 5:04am User: D:\eposty
 File: P:\US\VEN\Design\CA\PHASE 1\SS15B\01-Plat.dwg



SS LINE "B"
 STA: 9+00 TO STA: 18+15.88
 HORIZONTAL SCALE 1" = 50' H
 VERTICAL SCALE 1" = 5' V



LEGEND

PROPOSED SEWER LINE	—SS—
EXISTING SEWER LINE	—S—
PARCEL BOUNDARY LINE	---
LIMITS OF 100 YEAR FEMA FLOODPLAIN	---
LIMITS OF 5 YEAR FEMA FLOODPLAIN	---
EXISTING CONTOUR	---
EXISTING BARBED WIRE FENCE	X X X
EXISTING HOG WIRE FENCE	□ □ □
EXISTING HERITAGE TREE TO REMAIN	⊙
FENCE LINE CROSSING	⊠
SEE SHEET C1.00 FOR NOTES	

NOTE:
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING 98% COMPACTION ON ALL TRENCH BACKFILL AND PAYING FOR THE TESTS TO BE PERFORMED BY A THIRD PARTY. COMPACTION TEST WILL BE DONE AT A LOCATION POINT RANDOMLY SELECTED OR AS INDICATED BY THE SAWS INSPECTOR/ TEST ADMINISTRATOR, PER EACH 12-INCH LOOSE LIFT PER 400 FEET AT A MINIMUM. THIS PROJECT WILL NOT BE ACCEPTED AND FINALIZED BY SAWS WITHOUT THE REQUIREMENT BEING MET AND VERIFIED BY PROVING ALL NECESSARY DOCUMENTED TEST RESULTS.

CAUTION OVERHEAD UTILITIES
 CONTRACTOR TO EXERCISE EXTREME CAUTION WHEN WORKING UNDER "HIGH VOLTAGE TRANSMISSION LINES". A WORKING HEIGHT OF 30' FROM GROUND ELEVATION WILL BE OBSERVED WHEN WORKING UNDER THE HIGH VOLTAGE LINE. COORDINATE ALL WORK WITH THE LOCAL UTILITY PROVIDER.

TRENCH EXCAVATION SAFETY PROTECTION
 CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/ GEOTECHNICAL/ SAFETY/ EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS, SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

CAUTION UNDERGROUND UTILITIES
 THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITED TO: WATER, SEWER, TELEPHONE, AND FIBER OPTIC LINES, SITE LIGHTING, ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCT BANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. THE CONTRACTOR MUST CONTACT 1-800-DIG-TESTS AND CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION AND/OR START OF CONSTRUCTION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES (WHETHER SHOWN ON PLANS OR NOT) WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

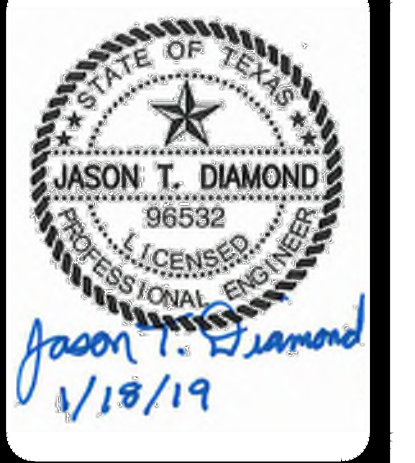
QUANTITY TABLE

NO	ITEM	UNIT	QUANTITY
848	15" (SDR 26) PVC PIPE	LF	915.88
852	MANHOLE	EA	3
818	JACK AND BORE, 30" STEEL CASING	LF	103.00
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	915.88
866	SEWER MAIN TV INSPECTION	LF	915.88
852.3	MANHOLES - EXTRA DEPTH	VF	13
	REMOVE AND REPLACE EXISTING FENCING	LF	250
	CONCRETE ENCASEMENT	LF	436.00
	CONCRETE CAP	LF	40.00
	FENCE GATE 16' TYPE 1	EA	2

SEWER
 WESTPOINTE WEST OFF-SITE SEWER EXTENSION PHASE 1

Developer's Name: MERITAGE HOMES
 Address: 3010 N LOOP 1604 W, STE. 214
 City: San Antonio, State: Texas, ZIP: 78248
 Phone: _____ FAX: _____
 076588, 076590
 SAWS Block Map #076588, 076590, Total EDU's: N/A, Total Acreage: 4.13 Ac
 Total Linear Footage of Pipe: 4281.1 ~ 36" 15" 171.88 LF ~ 36" Plat No.: N/A
 Number of Lots: N/A SAWS JOB NO. 18-1658

NO.	REVISION	DATE
1	EXTENDED CONCRETE ENCASEMENT TO LIMITS OF 5 YR FLOODPLAIN	10/20/18
2	CORRECTED PIPE MATERIAL	07/18/19

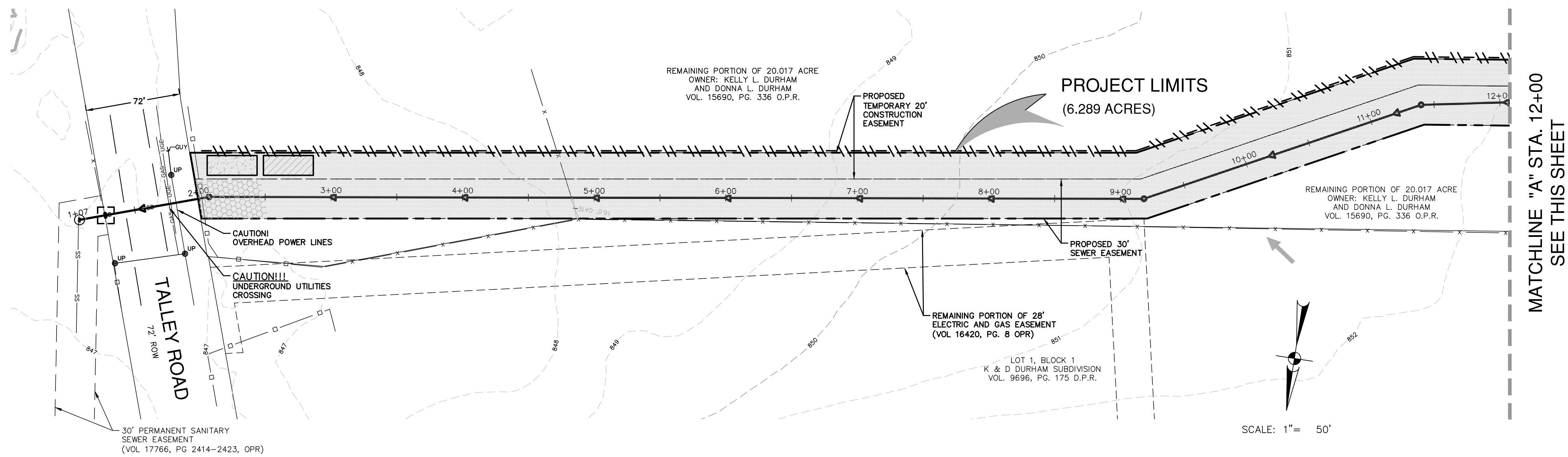


PAPE-DAWSON ENGINEERS
 SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
 TBP# FIRM REGISTRATION #470 | TBP# FIRM REGISTRATION #10028900

WESTPOINTE WEST OFF-SITE SEWER EXTENSION PHASE 1
 BEXAR COUNTY, TEXAS
 SANITARY SEWER LINE "B" PLAN AND PROFILE
 STA: 9+00 TO STA: 18+15.88

PLAT NO.	N/A
JOB NO.	11581-02
DATE	JAN 2019
DESIGNER	RG
CHECKED	RG DRAWN EP
SHEET	C3.05

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LEGEND

- PROJECT LIMITS
- EXISTING GRADE
- PROPOSED GRADE
- SILT FENCE
- FLOW ARROW (EXISTING)
- FLOW ARROW (PROPOSED)
- ROCK BERM
- GRATE INLET PROTECTION
- GRAVEL FILTER BAGS
- SEDIMENT CONTROL ROLLS
- STABILIZED CONSTRUCTION ENTRANCE/EXIT (FIELD LOCATE)
- CONSTRUCTION EQUIPMENT, VEHICLE & MATERIALS STORAGE AREA (FIELD LOCATE)
- CONCRETE TRUCK WASH-OUT PIT (FIELD LOCATE)
- 50' NATURAL VEGETATIVE BUFFER
- AREA OF DISTURBANCE

DATE: _____

NO. REVISION: _____

PAPE-DAWSON ENGINEERS

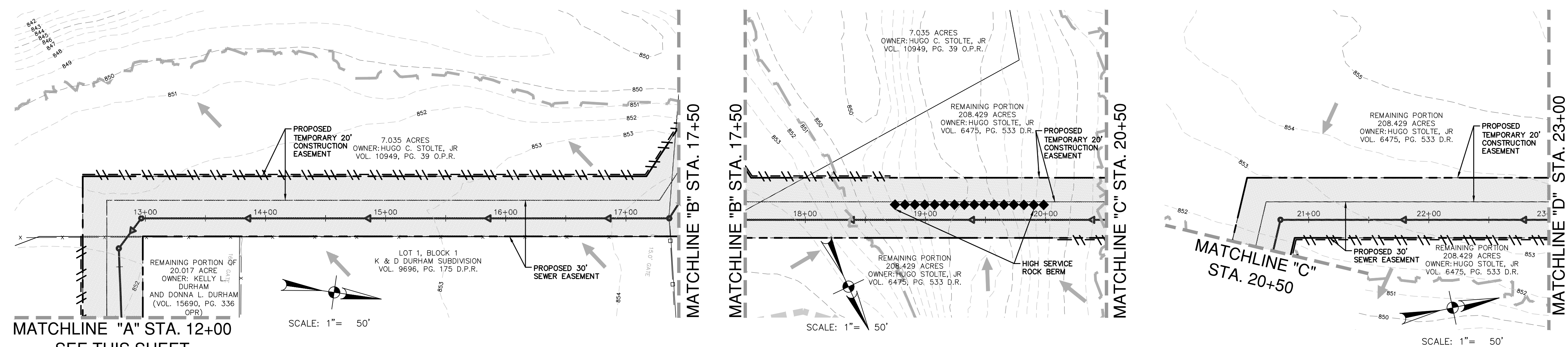
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
 TBPB FIRM REGISTRATION #470 | TBPB FIRM REGISTRATION #10028900

- ### GENERAL NOTES
- DO NOT DISTURB VEGETATED AREAS (TREES, GRASS, WEEDS, BRUSH, ETC.) ANY MORE THAN NECESSARY FOR CONSTRUCTION.
 - CONSTRUCTION ENTRANCE/EXIT LOCATION, CONCRETE WASH-OUT PIT, AND CONSTRUCTION EQUIPMENT AND MATERIAL STORAGE YARD TO BE DETERMINED IN THE FIELD.
 - STORM WATER POLLUTION PREVENTION CONTROLS MAY NEED TO BE MODIFIED IN THE FIELD TO ACCOMPLISH THE DESIRED EFFECT. ALL MODIFICATIONS ARE TO BE NOTED ON THIS EXHIBIT AND SIGNED AND DATED BY THE RESPONSIBLE PARTY.
 - RESTRICT ENTRY/EXIT TO THE PROJECT SITE TO DESIGNATED LOCATIONS BY USE OF ADEQUATE FENCING, IF NECESSARY.
 - ALL STORM WATER POLLUTION PREVENTION CONTROLS ARE TO BE MAINTAINED AND IN WORKING CONDITIONS AT ALL TIMES.
 - FOR A COMPLETE LISTING OF TEMPORARY STORM WATER POLLUTION PREVENTION CONTROLS REFER TO THE TPDES STORM WATER POLLUTION PREVENTION PLAN.
 - STORM WATER POLLUTION PREVENTION STRUCTURES SHOULD BE CONSTRUCTED WITHIN THE SITE BOUNDARIES. SOME OF THESE FEATURES MAY BE SHOWN OUTSIDE THE SITE BOUNDARIES ON THIS PLAN FOR VISUAL CLARITY.
 - AS SOON AS PRACTICAL, ALL DISTURBED SOIL THAT WILL NOT BE COVERED BY IMPERVIOUS COVER SUCH AS PARKWAY AREAS, EASEMENT AREAS, EMBANKMENT SLOPES, ETC. WILL BE STABILIZED PER APPLICABLE PROJECT SPECIFICATIONS.
 - BEST MANAGEMENT PRACTICES MAY BE INSTALLED IN STAGES TO COINCIDE WITH THE DISTURBANCE OF UPGRADE AREAS.
 - BEST MANAGEMENT PRACTICES MAY BE REMOVED IN STAGES ONCE THE WATERSHED FOR THAT PORTION CONTROLLED BY THE BEST MANAGEMENT PRACTICES HAS BEEN STABILIZED IN ACCORDANCE WITH TPDES REQUIREMENTS.
 - UPON COMPLETION OF THE PROJECT, INCLUDING SITE STABILIZATION, AND BEFORE FINAL PAYMENT IS ISSUED, CONTRACTOR SHALL REMOVE ALL SEDIMENT AND EROSION CONTROL MEASURES, PAYING SPECIAL ATTENTION TO ROCK BERMS IN DRAINAGE FEATURES.
 - WHERE VEGETATED FILTER STRIPS ARE INDICATED, CONTRACTOR SHALL VERIFY THAT SUFFICIENT VEGETATION EXISTS. OTHERWISE CONTRACTOR SHALL PLACE SILT FENCING IN LIEU OF VEGETATED FILTER STRIP.
 - SHADED AREA DENOTES LIMITS OF DISTURBED AREAS. OTHER AREAS WITHIN THE PROJECT LIMITS, WITH THE EXCEPTION OF A CONSTRUCTION EQUIPMENT AND MATERIAL STORAGE YARD, ARE NOT A PART OF THIS TPDES STORM WATER POLLUTION PREVENTION PLAN (SWP3) AND WILL NOT BE DISTURBED BY CIVIL CONSTRUCTION ACTIVITIES. HOUSE CONSTRUCTION ACTIVITIES WILL REQUIRE A SEPARATE STORM WATER POLLUTION PREVENTION PLAN.
 - PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR SHALL COORDINATE PLACEMENT OF TEMPORARY BEST MANAGEMENT PRACTICES WITHIN TxDOT RIGHT-OF-WAY WITH TxDOT.
 - CPS ENERGY WILL FUNCTION AS A SECONDARY OPERATOR ON THIS PROJECT AND WILL BE INSTALLING ELECTRIC UTILITIES FOR ON-SITE CONSTRUCTION AND OFF-SITE FEED TO THE PROJECT.
- THIS SHEET HAS BEEN PREPARED FOR PURPOSES OF THE SWP3 ONLY. ALL OTHER CIVIL ENGINEERING RELATED INFORMATION SHOULD BE ACQUIRED FROM THE APPROPRIATE SHEET IN THE CIVIL IMPROVEMENT PLANS.

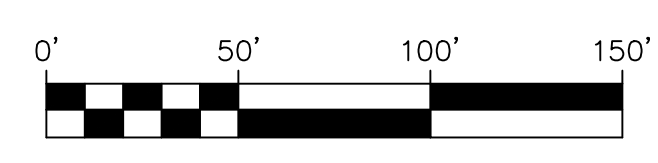
WESTPONTE WEST OFF-SITE SEWER EXTENSION PHASE 1
 BEXAR COUNTY, TEXAS

STORMWATER POLLUTION PREVENTION

PLAT NO. N/A
 JOB NO. 11581-02
 DATE JAN 2019
 DESIGNER RG
 CHECKED RG DRAWN EP
 SHEET C5.00



SWP3 MODIFICATIONS		
DATE	SIGNATURE	DESCRIPTION

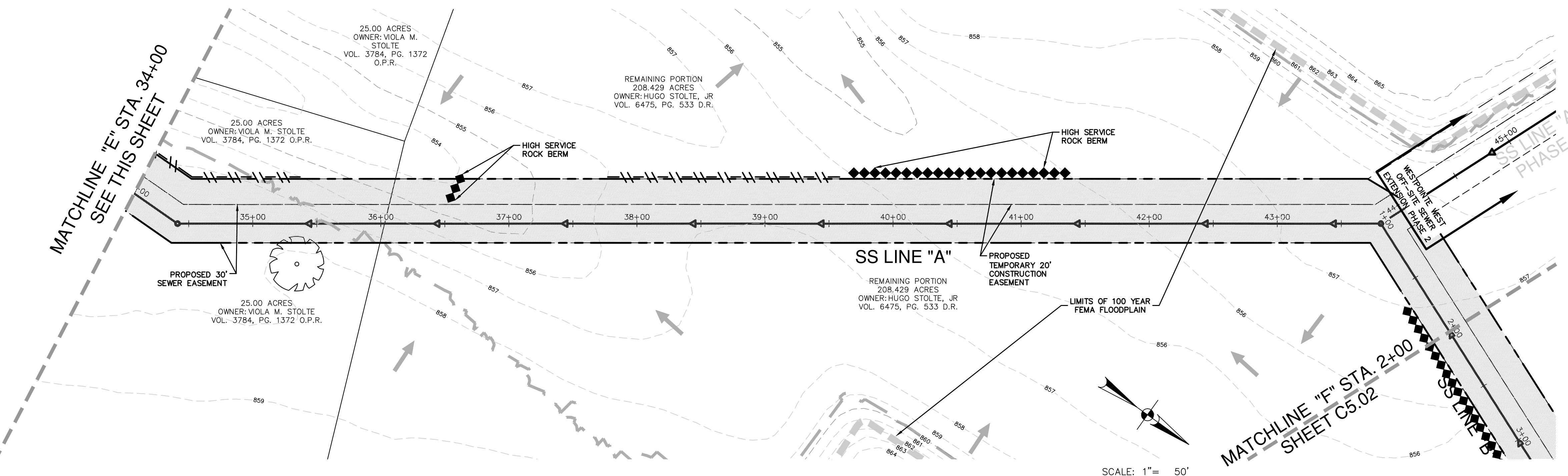
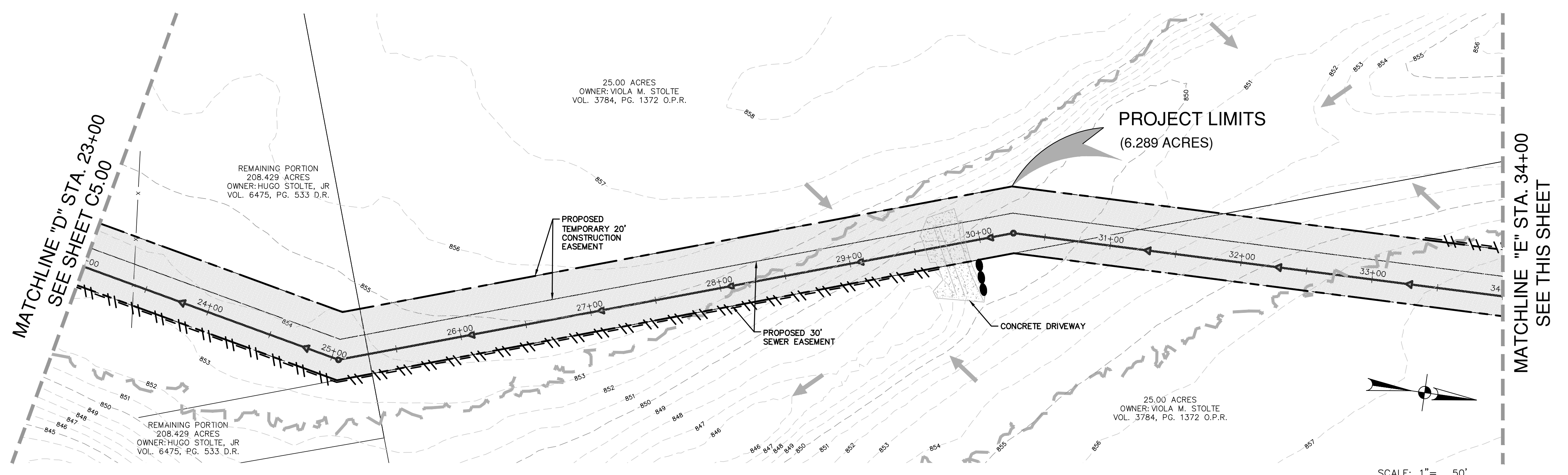


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LEGEND

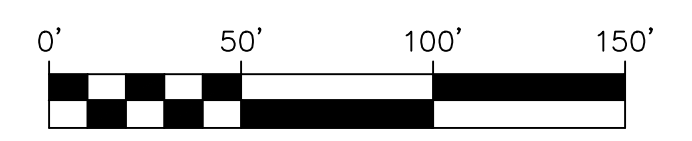
	PROJECT LIMITS
	EXISTING GRADE
	PROPOSED GRADE
	SILT FENCE
	FLOW ARROW (EXISTING)
	FLOW ARROW (PROPOSED)
	ROCK BERM
	GRATE INLET PROTECTION
	GRAVEL FILTER BAGS
	STABILIZED CONSTRUCTION ENTRANCE/EXIT (FIELD LOCATE)
	CONSTRUCTION EQUIPMENT, VEHICLE & MATERIALS STORAGE AREA (FIELD LOCATE)
	CONCRETE TRUCK WASH-OUT PIT (FIELD LOCATE)
	50' NATURAL VEGETATIVE BUFFER
	AREA OF DISTURBANCE

GENERAL NOTES

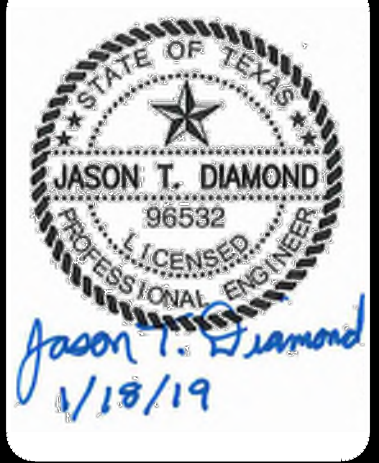
- DO NOT DISTURB VEGETATED AREAS (TREES, GRASS, WEEDS, BRUSH, ETC.) ANY MORE THAN NECESSARY FOR CONSTRUCTION.
- CONSTRUCTION ENTRANCE/EXIT LOCATION, CONCRETE WASH-OUT PIT, AND CONSTRUCTION EQUIPMENT AND MATERIAL STORAGE YARD TO BE DETERMINED IN THE FIELD.
- STORM WATER POLLUTION PREVENTION CONTROLS MAY NEED TO BE MODIFIED IN THE FIELD TO ACCOMPLISH THE DESIRED EFFECT. ALL MODIFICATIONS ARE TO BE NOTED ON THIS EXHIBIT AND SIGNED AND DATED BY THE RESPONSIBLE PARTY.
- RESTRICT ENTRY/EXIT TO THE PROJECT SITE TO DESIGNATED LOCATIONS BY USE OF ADEQUATE FENCING, IF NECESSARY.
- ALL STORM WATER POLLUTION PREVENTION CONTROLS ARE TO BE MAINTAINED AND IN WORKING CONDITIONS AT ALL TIMES.
- FOR A COMPLETE LISTING OF TEMPORARY STORM WATER POLLUTION PREVENTION CONTROLS REFER TO THE TPDES STORM WATER POLLUTION PREVENTION PLAN.
- STORM WATER POLLUTION PREVENTION STRUCTURES SHOULD BE COVERED BY IMPERVIOUS COVER SUCH AS PARKWAY AREAS, EASEMENT AREAS, EMBANKMENT SLOPES, ETC. WILL BE STABILIZED PER APPLICABLE PROJECT SPECIFICATIONS.
- AS SOON AS PRACTICAL, ALL DISTURBED SOIL THAT WILL NOT BE COVERED BY IMPERVIOUS COVER SUCH AS PARKWAY AREAS, EASEMENT AREAS, EMBANKMENT SLOPES, ETC. WILL BE STABILIZED PER APPLICABLE PROJECT SPECIFICATIONS.
- BEST MANAGEMENT PRACTICES MAY BE INSTALLED IN STAGES TO COINCIDE WITH THE DISTURBANCE OF UPGRADIENT AREAS.
- BEST MANAGEMENT PRACTICES MAY BE REMOVED IN STAGES ONCE THE WATERSHED FOR THAT PORTION CONTROLLED BY THE BEST MANAGEMENT PRACTICES HAS BEEN STABILIZED IN ACCORDANCE WITH TPDES REQUIREMENTS.
- UPON COMPLETION OF THE PROJECT, INCLUDING SITE STABILIZATION, AND BEFORE FINAL PAYMENT IS ISSUED, CONTRACTOR SHALL REMOVE ALL SEDIMENT AND EROSION CONTROL MEASURES. PAYING SPECIAL ATTENTION TO ROCK BERMS IN DRAINAGE FEATURES.
- WHERE VEGETATED FILTER STRIPS ARE INDICATED, CONTRACTOR SHALL VERIFY THAT SUFFICIENT VEGETATION EXISTS. OTHERWISE CONTRACTOR SHALL PLACE SILT FENCING IN LIEU OF VEGETATED FILTER STRIP.
- SHADED AREA DENOTES LIMITS OF DISTURBED AREAS. OTHER AREAS WITHIN THE PROJECT LIMITS, WITH THE EXCEPTION OF A CONSTRUCTION EQUIPMENT AND MATERIAL STORAGE YARD, ARE NOT A PART OF THIS TPDES STORM WATER POLLUTION PREVENTION PLAN (SWP3) AND WILL NOT BE DISTURBED BY CIVIL CONSTRUCTION ACTIVITIES. HOUSE CONSTRUCTION ACTIVITIES WILL REQUIRE A SEPARATE STORM WATER POLLUTION PREVENTION PLAN.
- PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR SHALL COORDINATE PLACEMENT OF TEMPORARY BEST MANAGEMENT PRACTICES WITH TxDOT RIGHT-OF-WAY WITH TxDOT.
- CPS ENERGY WILL FUNCTION AS A SECONDARY OPERATOR ON THIS PROJECT AND WILL BE INSTALLING ELECTRIC UTILITIES FOR ON-SITE CONSTRUCTION AND OFF-SITE FEED TO THE PROJECT.

SWP3 MODIFICATIONS

DATE	SIGNATURE	DESCRIPTION



DATE	
NO.	
REVISION	



PAPE-DAWSON ENGINEERS
 SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
 TPEE FIRM REGISTRATION #470 | TPEE FIRM REGISTRATION #1002800

WESTPONTE WEST OFF-SITE SEWER EXTENSION PHASE 1
 BEXAR COUNTY, TEXAS

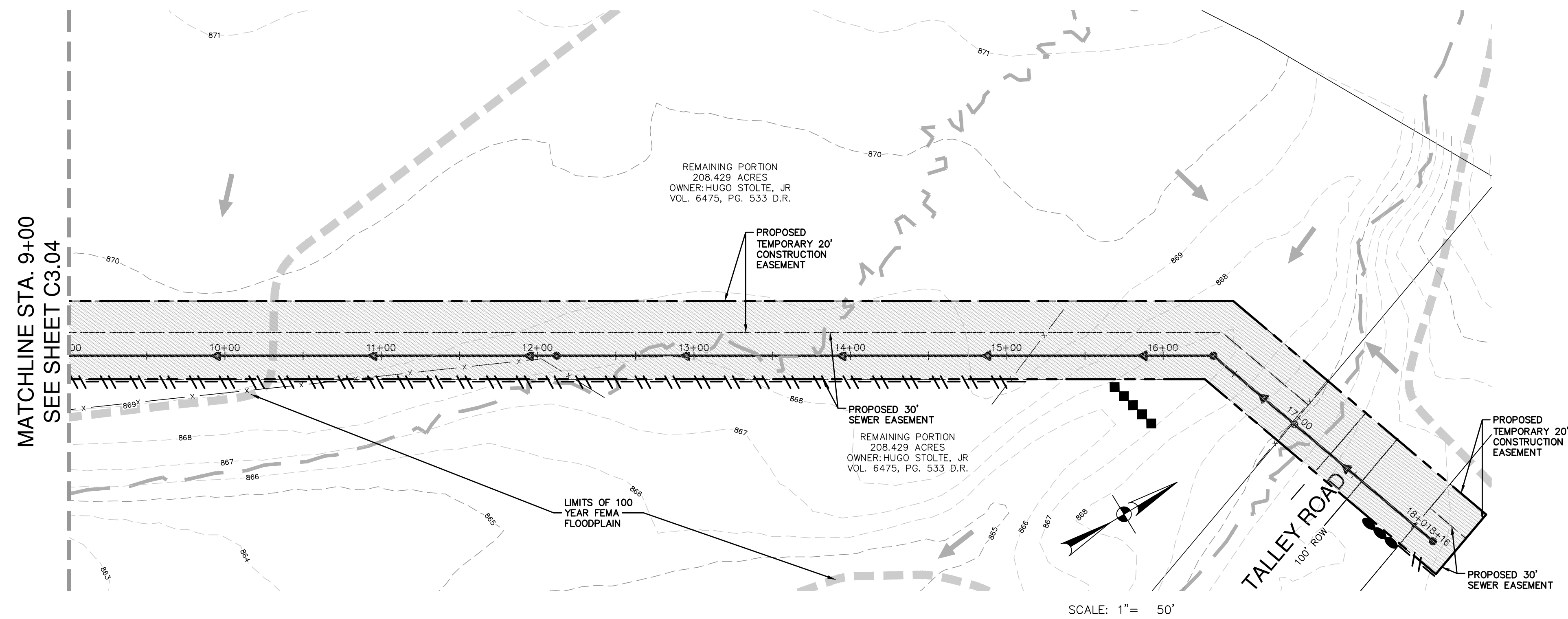
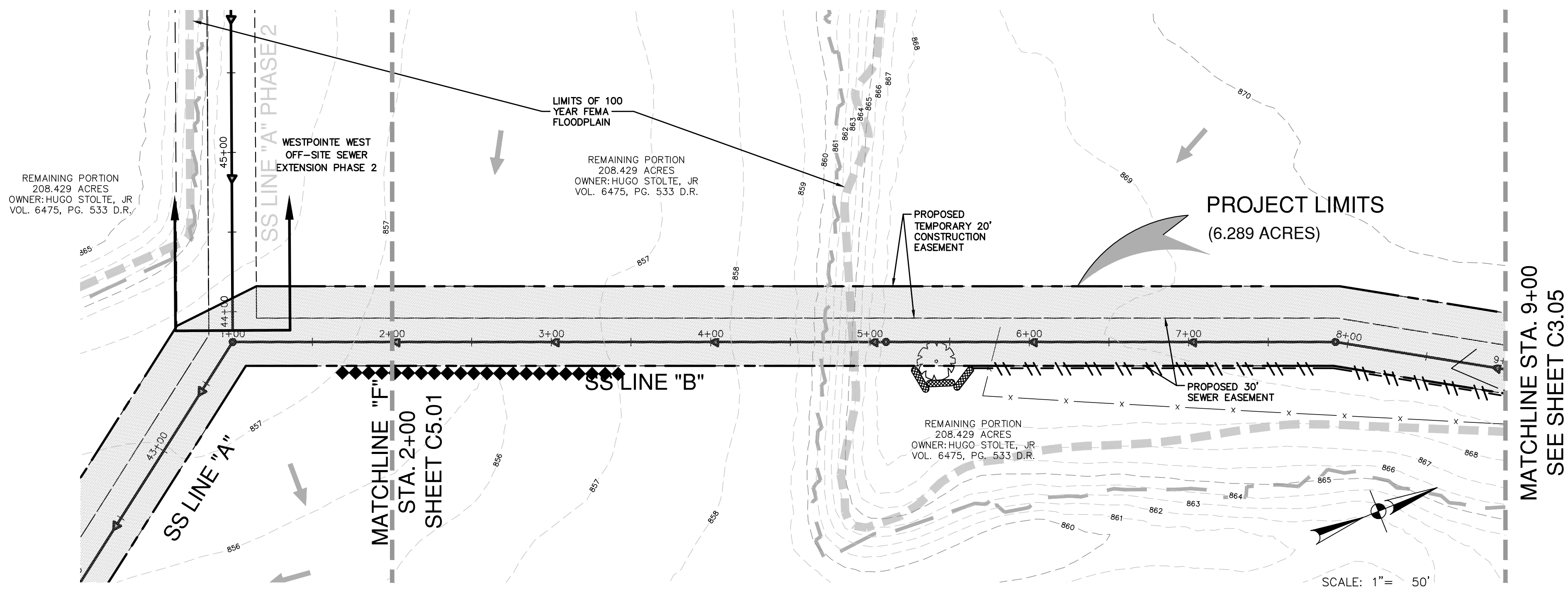
SANITARY SEWER LINE "A" PLAN AND PROFILE
 STA: 23+00 TO STA: 34+00

PLAT NO.	N/A
JOB NO.	11581-02
DATE	JAN 2019
DESIGNER	RG
CHECKED	RG DRAWN EP
SHEET	C5.01

EXHIBIT 2

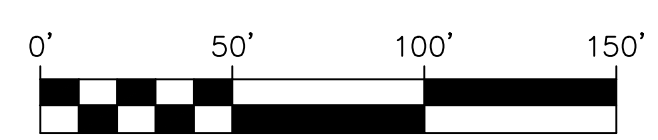
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THIS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARDCOPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL. AERIAL IMAGERY PROVIDED BY GOOGLE® UNLESS OTHERWISE NOTED. Imagery © 2016 CAPOCO Digital Globe, Texas Orthometry Program, USDA Farm Service Agency.



LEGEND

- PROJECT LIMITS
- EXISTING GRADE
- PROPOSED GRADE
- SILT FENCE
- FLOW ARROW (EXISTING)
- FLOW ARROW (PROPOSED)
- ROCK BERM
- GRATE INLET PROTECTION
- GRAVEL FILTER BAGS
- STABILIZED CONSTRUCTION ENTRANCE/EXIT (FIELD LOCATE)
- CONSTRUCTION EQUIPMENT, VEHICLE & MATERIALS STORAGE AREA (FIELD LOCATE)
- CONCRETE TRUCK WASH-OUT PIT (FIELD LOCATE)
- 50' NATURAL VEGETATIVE BUFFER
- AREA OF DISTURBANCE



GENERAL NOTES

1. DO NOT DISTURB VEGETATED AREAS (TREES, GRASS, WEEDS, BRUSH, ETC.) ANY MORE THAN NECESSARY FOR CONSTRUCTION.
2. CONSTRUCTION ENTRANCE/EXIT LOCATION, CONCRETE WASH-OUT PIT, AND CONSTRUCTION EQUIPMENT AND MATERIAL STORAGE YARD TO BE DETERMINED IN THE FIELD.
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6. FOR A COMPLETE LISTING OF TEMPORARY STORM WATER POLLUTION PREVENTION CONTROLS REFER TO THE TPDES STORM WATER POLLUTION PREVENTION PLAN.
7. STORM WATER POLLUTION PREVENTION STRUCTURES SHOULD BE CONSTRUCTED WITHIN THE SITE BOUNDARIES. SOME OF THESE FEATURES MAY BE SHOWN OUTSIDE THE SITE BOUNDARIES ON THIS PLAN FOR VISUAL CLARITY.
8. AS SOON AS PRACTICAL, ALL DISTURBED SOIL THAT WILL NOT BE COVERED BY IMPERVIOUS COVER SUCH AS PARKWAY AREAS, EASEMENT AREAS, EMBANKMENT SLOPES, ETC. WILL BE STABILIZED PER APPLICABLE PROJECT SPECIFICATIONS.
9. BEST MANAGEMENT PRACTICES MAY BE INSTALLED IN STAGES TO COINCIDE WITH THE DISTURBANCE OF UPGRADIENT AREAS.
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11. UPON COMPLETION OF THE PROJECT, INCLUDING SITE STABILIZATION, AND BEFORE FINAL PAYMENT IS ISSUED, CONTRACTOR SHALL REMOVE ALL SEDIMENT AND EROSION CONTROL MEASURES, PAYING SPECIAL ATTENTION TO ROCK BERMS IN DRAINAGE FEATURES.
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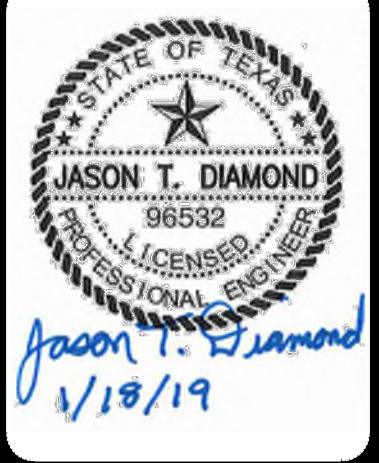
THE ENGINEERING SEAL HAS BEEN AFFIXED TO THIS SHEET ONLY FOR THE PURPOSE OF DEMONSTRATING COMPLIANCE WITH THE TPDES-STORM WATER POLLUTION PREVENTION PLAN (SWP3) REGULATIONS.

THIS SHEET HAS BEEN PREPARED FOR PURPOSES OF THE SWP3 ONLY. ALL OTHER CIVIL ENGINEERING RELATED INFORMATION SHOULD BE ACQUIRED FROM THE APPROPRIATE SHEET IN THE CIVIL IMPROVEMENT PLANS.

EXHIBIT 2

SWP3 MODIFICATIONS		
DATE	SIGNATURE	DESCRIPTION

DATE	NO.	REVISION



PAPE-DAWSON ENGINEERS
 SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
 2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
 TPDES FIRM REGISTRATION #470 | TPDELS FIRM REGISTRATION #10028900

WESTPOINTE WEST OFF-SITE SEWER EXTENSION PHASE 1
 BEXAR COUNTY, TEXAS

SANITARY SEWER LINE "B" PLAN AND PROFILE
 STA: 1+00 TO STA: 9+00

PLAT NO.	N/A
JOB NO.	11581-02
DATE	JAN 2019
DESIGNER	RG
CHECKED	RG DRAWN EP
SHEET	C5.02

