

Almeda Road Paving and Drainage Improvements  
WBS No. N-000806-0001-4; CSJ No. 0912-72-072

ADDENDUM 4

Document 00910

ADDENDUM NO. 4

Date of Addendum: 6/2/15



PROJECT NAME: Almeda Road Paving and Drainage Improvements Old Spanish Trail to South MacGregor Way

PROJECT NO: WBS No. N-000806-0001-4; CSJ No. 0912-72-072

BID DATE: June 11, 2015

FROM: J. Timothy Lincoln, P.E., City Engineer  
City of Houston, Department of Public Works and Engineering  
611 Walker Street  
Houston, Texas 77002  
Attn: Michelle Randon, P.E., Project Manager

TO: Prospective Bidders

This Addendum forms a part of the Bidding Documents and will be incorporated into the Contract documents, as applicable. Insofar as the original Project Manual and Drawings are inconsistent, this Addendum governs.

Time of day and place for submittal of bid remains the same  
*This Addendum uses the change page method: remove and replace or add pages, or Drawing sheets, as directed in the change instructions below. Change bars ( | ) are provided in the outside margins of pages from the Project Manual to indicate where changes have been made; no change bars are provided in added Sections. Reissued Drawing Sheets show the Addendum number below the title block and changes in the Drawing are noted by a revision mark and enclosed in a revision cloud.*

#### CHANGE IN BID DATE

The Bid Date for this Project has been changed from June 4, 2015 to June 11, 2015  
Date Date

Time of day and place for submittal of bid remains the same

CHANGES TO PREVIOUS ADDENDA

Plan Sheet 22 & 22A issued under this addendum supersede previously issued sheet 22 & 22A under . All other plan sheet revisions, Low Impact Development (LID) special specifications-Operations & Maintenance Manual Plan- Revised Inspection Sheet and revisions to specification 02970 issued under Addendum 2 are still valid.

CHANGES TO PROJECT MANUAL

BIDDING REQUIREMENTS :

1. Document 00210-T – Instruction to Bidders. Remove and replace page 3 of Document 00210-T.
2. Document 00410 B – Bid Form- Part B - Revised in its entirety ( *This Document should be used in its entirety for the bid submittal to be valid*)
  - a. Added Items 2, 15, 23-25, 40 & 44
  - b. Quantity for Item 16 changed from 34 EA to 33 EA
  - c. Quantity for Item 18 changed from 13 EA to 12 EA
  - d. Quantity for Item 29 changed from 154 LF to 309 LF
  - e. Quantity for item 54 changed from 3,700 SY to 3,725 SY
  - f. Quantity for item 64 changed from 30,320 SF to 34,820 SF

CONDITIONS OF THE CONTRACT – Replace Utility Certification in the Project Manual SPECIFICATIONS Document 01110 Revised Sections 1.01 and 1.02 H

CHANGES TO DRAWINGS

1. Sheet 22- Revised Quantity for Demolition and Sanitary Sewers
2. Sheet 22A- Revised Quantitates for Storm Sewer & Street & Bridge
3. Sheet 22B- Revised Quantity and item descriptions for Landscape Quantities and item description in the Traffic Quantities from "Water Filled Barriers" to "Low Profile Concrete Barriers"
4. Sheets 63, 65 & 67 sidewalk width ( on the east side) changed from 5' to 8 feet
5. Sheet 82, 83, 84A, 85,89 & 91- Revised callouts
6. Added Cross-Section sheets (Sheets 95 A-J)

CLARIFICATIONS

1. Will any OBO goals be required to be turned in with bid? *No. The required DBE goal that is listed in Document 00800-T.*

00910-2  
02-01-2004

2. Is this temp asphalt for temp driveways? Clarify. *No they are for side streets only. Its use is to maintain two lanes of traffic when required.*
3. We only wanted a clarification that the goals on this project do not have to be turned in with the bid. There are no forms to turn it in. This is contrary to OBO. Is this correct? *Yes that is correct. This is a federally funded project and refer to Document 00800-T for goals and requirements.*
4. Verify whether the City will hold retainage on this project for the end time maintenance contracts, both lawn care and the LID extended contracts. These extend (3) years after the road is complete. What about insurance requirements during this period, like OCP policies and surety bonds? Please clarify. *All insurance policies must be effective for the duration of the entire contract period including all maintenance and warranty period. Please refer to Document 00700 Section 11.1 Retainage will be held per contract. Please refer to Document 00700 Section 9.11.8*
5. Temporary driveways are shown on shts 32-35. If there isn't any as you state, then the answer to question #12 is incorrect. This answer states temporary asphalt is for driveways. Please clarify. *Document 00410B is revised to add temporary driveways as base bid item. Asphalt is for side street work only.*
6. The San. Sewer replacement on sht. 164 should have a pay item for diversion pumping and the deep storm manholes will need to be dewatered. Both should be standard pay items. *Document 00410B is revised to add diversion pumps and dewatering as base bid items.*
7. Summary of work states to remove and relocate the wrought iron fence at the St. Dominican Sisters Church. About 450ft. Its not "if required". It gets moved back 20 ft with a lot of landscape removal not on the tree plan and tree clearing. This needs to be a pay item with direction of where to move the fence. *Remove/Relocate fence is included as a separate base bid item. The item for clearing and grubbing is to be used for removal of landscape items. Contractor shall coordinate with owner prior to removal of the fence. Also please see Document 01110, Section 1.02 E.*
8. The existing poles are not long enough to use under this traffic control plans. Look at the major intersections and how far the traffic moves. The existing signal poles will not work. *The existing poles are to be used in phase I construction. In Phase II construction, use the permanent poles that are proposed.*
9. Are there temporary driveways as stated. Answer #6 was that none are anticipated. Clarify. *Temporary driveways are added as base bid item in the revised Document 00410B per specification 2714.*
10. Pay item #176 and #179 are both for Landscape Ground Maint. - 24 mo. Why is this item duplicated? These are two separate items. *Revised item 182 (previously # 176) is for maintenance of the areas that are not related to LID. Maintenance of the LID areas are covered under Item 185 (previously #179)*

11. Can the City provide cross sections and cut/fill calculations between sta. 9 and 45? Plan sheets 156 A-E only show between sta 45 - 67. Why is this, and how were the excavation and borrow quantities figured? *Cross-sections and cut and fill computations are included in the addendum 4. Plan sheets 156 A-E only show the cut/fill below the BFE. Cut/Fill are computed using design software.*
12. #40 - correct the description - what is this? *See revised Document 00410B*
13. #81 - correct the description - what is this? *See revised Document 00410B*
14. #98/99 - correct the description - what is this? *See revised Document 00410B*
15. #110 - correct the description - what is this? *See revised Document 00410B*
16. Extra decimal points in prices on #182-184 *See revised Document 00410B*
17. #14 and #68 are both for MH adjustments - which one do we use? *Previous Item 68 Deleted. See revised Document 00410B*
18. How are MH removals to be paid? There is no bid item for removal of any MH. Many of the MHs on the existing 12x10 are remove and replace. These are 22' deep and have to come out. *Removal of manholes are included as base bid item in the revised Document 00410B.*

END OF ADDENDUM NO. 4

DATED: \_\_\_\_\_

*Ravi Kaleyatodi*  
JK Ravi Kaleyatodi, P.E., CPM  
Senior Assistant Director  
Department of Public Works and  
Engineering

RK:JHK:MR:BT:sdd

END OF DOCUMENT

Walter P. Moore and Associates, Inc.  
TBPE Firm Registration No. 1858



Document 00911  
NOTICE OF  
ADDENDUM NO. 4

Date of Addendum: 6/2/15

PROJECT NAME: Almeda Road Paving and Drainage Improvements Old Spanish Trail to  
South MacGregor Way

PROJECT NO: WBS No. N-000806-0001-4; CSJ No. 0912-72-072  
BID DATE: June 11, 2015

FROM: J. Timothy Lincoln, P.E., City Engineer  
City of Houston  
Department of Public Works and Engineering  
611 Walker, 14<sup>th</sup> Floor  
Houston, Texas 77002  
Attn: Michelle Randon, P.E., Project Manager

TO: Prospective Bidders

CHANGE IN BID DATE

The Bid Date for this Project has been changed from June 4, 2015 to June 11, 2015.  
Date Date

Time of day and place for submittal of bid remains the same.

This Addendum includes:

ADDENDUM SYNOPSIS

Changes to Project Manual

BIDDING REQUIREMENTS

00410 Bid Form Part B (*This Document should be used in its entirety for the bid  
submittal to be valid*)

UTILITY CERTIFICATION REPLACED IN ITS ENTIRETY

SPECIFICATIONS

Document 01110

Changes to drawings

Clarifications

DATED: Ravi Kaleyatodi

MR

JK

Ravi Kaleyatodi, P.E.  
Senior Assistant Director  
Department of Public Works and  
Engineering

END OF DOCUMENT

10. The Builders' Exchange of Texas, Inc., 3910 Kirby, Suite 131, Houston, TX 77098, 210-564-6900, Fax: 210-564-6921, Email: [houston@btxt.com](mailto:houston@btxt.com)

5.0 - EXAMINATION OF DOCUMENTS, SITE, AND LOCAL CONDITIONS: Insert the following paragraph:

D. Add the following Paragraph D.1:

1. Work will be performed in public right-of-way. The site may be examined at any time during daylight hours.

9.0 – PREPARATION OF BIDS: Add the following Paragraph I to this Paragraph:

- I. For math errors the City encounters in analyzing Bids, the following guidance will be used:

In the event of a conflict between:      The Bid Price is:

- |   |   |
|---|---|
| 1. Individual Unit Price and Extension of that Unit Price   | Individual Unit Price times Estimated Quantity  |
| 2. A Unit Price extension and total of Unit Price Extensions  | Sum of all Individual Unit Price Extensions   |
| 3. Individual Alternate and total of Alternates   | Sum of all Individual Alternates  |
| 4. Individual subtotals for Stipulated Price, Base Unit Prices, Extra Unit Prices, Contractor Bonus, Cash Allowances, and Alternates; and the Total Bid Price | Sum of Individual subtotals for Stipulated Price, Base Unit Prices, Extra Unit Prices, Contractor Bonus, Cash Allowances and Alternates |

10.0 – BID SUBMISSION: Add the following Paragraph A.1 to this Section:

A. Add the following Paragraph A.1:

1. City Secretary will receive Bids at 900 Bagby, Room P101, Houston, Texas until 10:30 a.m., local time on June 11, 2015.
- D. Submit one copy of the executed offer on the bid forms provided, properly signed, with required Security Deposit, and other Supplements to Bid Forms, in a sealed, opaque envelope. On the outside of the envelope, clearly identify the Certificate of Responsibility number, Bidders name, Project name, and the City's name. Bids submitted by mail shall be enclosed in a separate envelope addressed for mailing, and identifying the enclosure as a bid.

Section 01110

SUMMARY OF WORK

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Summary of the Work including work by the City, City-furnished Products, work sequence, future work, Contractor use of Premises, special conditions for substantial completion and City occupancy.
- B. Note: the Profile Grade Line (PGL), is top of curb (TC) up to STA 57+00 for this project. From Sta 57+00 to End of Project, the PGL is based on the projected top of pavement elevation at the Baseline (BL).
- C. Plugging of storm sewer pipes is incidental various bid items.

1.02 WORK COVERED BY CONTRACT DOCUMENTS

Roadway

- A. The purpose of the project is to reconstruct Alameda Road within the project corridor with ultimate medians and 36 foot wide travel lanes (6 lanes) between Old Spanish Trail to South McGregor Way. In addition, there will be a 10 foot wide shared use path along the west side that connects to the Herman Park Trail system and a 5 foot wide sidewalk on the east side.
- B. Work of the Contract is for reconstruction of Alameda Road from Sta 6+41 SB and Sta 10+61.21 NB to South MacGregor Way Intersection. South MacGregor Way, intersection is not included.
- C. Alameda Road north of Old Spanish Trail (intersection included) to South MacGregor Way shall be reconstructed to 6 lane roadway. The existing wide medians will be reduced to 16 feet wide City of Houston standard medians. Part of the border will be utilized to mitigate impact due to increase impervious cover. This mitigation is to be accomplished with Low Impact features that will additionally treat the runoff prior to discharge. This project is also classified as a "Pilot Low Impact Project by City of Houston".
- D. As shown on the plans, intersections of Old Spanish Trail (OST), US 90, and Holcombe Blvd. are reconstructed as part of this project to the limits shown on the plans.
- E. In addition to Holcombe Blvd. intersection reconstruction, a left turn lane, westbound on Holcombe Blvd. will be constructed. The fence along the St. Dominican Sisters of Houston, and a sign where additional ROW was acquired will be removed and relocated to new ROW line. Remove/Relocation of the fence should have been completed by the owner prior to start of construction. If it has not, the Contractor shall remove and relocate the fence to the new ROW limits. A base bid item for the removal and relocation of the fence is included as a base bid item in the revised Document 00410B. Prior to removal of the fence, the Contractor shall coordinate with the property owner.

To accommodate the right turn lane, a segment of the 2' wide median, one storm sewer inlet relocation to the proposed curblines and 5' wide sidewalks are incorporated to this project.

- F. All public roadways that connect to Alameda and the intersections of OST and Holcombe will be reconstructed with fast track concrete up to curb returns on Alameda Road.
- G. All new and signs that are identified as "To be Relocated" shall be relocated to new locations as shown on the plans per specification 1554 and City of Houston drawing number 01509-01 as shown on plan sheet 229A.
- H. There are several bus shelters and bus stops that are owned by METRO within the project limits. The contractor to coordinate the relocation of these shelters/stops with METRO minimum of 10 days prior to its impact construction proposed activities. Please contact Pablo F. Valle, MSc, Program Manager, Bus Shelter Program Public Facilities, Tel. 713.739.4626 | Cell. 713.492.8645 | Fax. 713.758.7889 [Pablo.Valle@ridemetro.org](mailto:Pablo.Valle@ridemetro.org) and Carl Taylor, [Carl.Taylor@RideMetro.org](mailto:Carl.Taylor@RideMetro.org) for the bus shelter/stop relocations.
- I. In addition to 6 lane roadway and associated turn lanes, 5 foot wide sidewalks and wheel chair ramps at intersections will be constructed on the east side of the project limits. There are existing sidewalks on some locations. Refer to the Demolition Plan sheets for the limits of existing sidewalk and wheel chair ramp removals and the Plan & Profile sheets for the location of new sidewalks and ramps.
- J. On the west side of the project limits, a 10' wide shared use path will be constructed instead of regular sidewalks. The existing sidewalks on west side will be removed as to the limits as shown on the demolition plans. Refer to the Plan & Profile Sheets for the limits and location of the proposed new 10' Shared Use Path. The proposed wheel chair ramps are wider on the west side to accommodate the wider widths.

Along Hermann Park, the existing 8' wide shared use path will be protected in place except for the limits shown on the Demolition Plans that shall be removed and reconstructed. The width of the proposed new Shared Use Paths along Hermann Park shall 10' wide and taper to existing width over one panel.

If there are existing sidewalks and wheel chair ramps on intersecting roads that are being reconstructed, these sidewalks and wheel chair ramps are reconstructed to 5' wide and then taper over one sidewalk panel to existing widths at the limits of the improvements.

At the intersection of OST and Holcombe, the median openings for pedestrians are minimum 6' x 6'.

- K. Every attempt should be made to protect existing signs and landscape that are to remain. Any damage to them shall be the responsibility of the contractor to restore them to existing condition.
- L. Paving Contractor to coordinate and install pvc sleeves called for in the Sleeving Plan.

Utilities (Water)

- M. All existing utilities are shown at approximate location and depth. Contractor shall verify them prior to start of construction.

- N. The existing waterline from approximate Sta 18+20 to Sta 64+65 will be abandoned in place and new 12" waterline shall be installed. The existing waterline from beginning of project to Sta 18+20 shall be protected in place. If the removal of the existing waterline is required for the installation of any other proposed utilities shown on the Plans, that work shall be incidental to various bid items.
- O. The plans have identified location of large diameter water meters. Contractor shall transfer all existing services from the existing line to new proposed waterline.
- P. The waterline crossing at Holcombe Blvd. intersection is identified as open cut installation. However, allowance is made in this contract to install that segment of waterline trenchless shall that method becomes necessary.

Utilities (Sanitary)

- Q. Diversion pumping when required shall be incidental to various bid items.
- R. The existing 54" MRC sanitary sewer line and one manhole at Dixie Road identified in the Demolition Plans shall be removed. A new 54" sanitary sewer line is proposed at this location with new manholes.
- S. From Hermann Park Court to end of project, the existing 10" sanitary line and the manholes shall be removed and replaced with new 10" sanitary sewer line and manholes as shown on the Sanitary Sewer Plan Profile Sheets. Contractor shall transfer all existing services to new proposed sanitary sewer line. There are special requirements identified in the Sanitary Sewer Plan Profile Sheets when sanitary line crosses an existing or proposed waterline. In addition, the proposed sanitary and waterline shall have minimum of 9' horizontal separation. For vertical separations, refer to the plan.

The existing sanitary line and the proposed replacement is in close proximity to the fence from Hermann Park Court to Camden Drive. Contractor to ensure that the existing fence at this location is not damaged during construction. Any damage to the fence shall be restored to its existing or better condition at no expense to the City.

Drainage

- T. **There shall be a Mandatory meeting prior to the start of High Performance Modular Biofiltration System construction**
- U. Proposed drainage improvements include construction of curb and gutter streets with curb inlets, bioretention swales, and new storm sewer leads to the existing storm sewer trunk line within the existing roadway median.
- V. Proposed curb inlets consist of TxDOT standard Type C1 inlets with and without extension, and a Type C1 (MOD) inlet with and without extension. Standard Type C1 inlets utilize storm sewer leads to convey runoff to the existing trunk system while Type C1 (MOD) inlets convey runoff through the rear of the inlet into adjacent bioretention swales.
- W. Proposed bioretention swales collect runoff from offsite sheet flows and the proposed Type C1 (MOD) inlets. The bioretention swales consist of linear ditches, High Performance Modular Biofiltration System filtration areas and Type A (MOD) inlets. The bioretention swales are designed to filter the first ½ inch of runoff through the

Proposed High Performance Modular Biofiltration System. Treated runoff is piped into the proposed Type A (MOD) inlets. Rainfall events greater than ½ inch but less than the 1% (100 YR) event are collected in the swale and drained through side openings (orifices) located in the Type A (MOD) inlet. Swales are sized in conjunction with orifice size to retain runoff during the 1% (100 YR) event and maintain a release rate equal to predevelopment conditions. These swales mitigate runoff impacts due to the proposed roadway improvements.

- X. High Performance Modular Biofiltration System areas consist of a three layers substrate including a 3 inches hardwood mulch top layer, a 18 inch high flow media center layer, and a 6 inch bridging stone layer installed above a perforated pipe or structural underdrain. Treated water is conveyed to the Type A (MOD) inlet through a 6 inch PVC outlet pipe. Each bioretention swale incorporates a High Performance Modular Biofiltration System specifically sized for the computed runoff collected by each swale.
- Y. Modifications to existing storm sewers which outfall into the existing Alameda Road storm sewer are proposed where conflicts or modification are necessary due to proposed roadway work.
- Z. The High Performance Modular Biofiltration System installation shall commence upon completion of all roadway paving, sidewalk/mixed use path installation, and sod & hydro mulching operations are completed. This is to insure that the filter media is not overloaded with suspended solids.
- AA. Contractor is responsible for installation and verification that the HPMB system perform as specified in the HPMB specification.
- BB. The contractor shall provide an additional two (2) years maintenance after the one (1) year manufacture warranty ends in accordance with Operations and Maintenance Plan manual .
- CC. Storm sewer tie-in to existing off site systems are incidental to various bid items.

Traffic Control Plan

- DD. Traffic control plans will be set up in phases corresponding with the work sequence in section 1.06. Each phase of the plans shall be in accordance with the drawings and specifications provided. At a minimum at least one driveway to businesses is to be maintained at all times. As shown on the drawings every other median is to be open for circulation along Alameda.

Traffic Signal, Pavement Markings and Signing

- EE. New signals will be installed at Alameda-Holcombe and Alameda-Old Spanish Trail intersections. The existing signals will remain operational until after completion of phase 2 of the work sequence section 1.06. The signals will be installed as shown in the drawings and in accordance with City of Houston Traffic Signal Details (02893 Series). The contractor shall use Uniformed Peace Officers for coordination of signal work at these two intersections as needed to control traffic. The contractor will coordinate with CenterPoint to convert the existing power at the signals to the new signals.

FF. Temporary pavement markings will be installed and removed in accordance with Traffic Control Plan drawings. The permanent pavement markings will be installed during phase 3 of the work section 1.06 and in accordance with City of Houston Specifications.

GG. Signage which is to remain, salvaged or replaced will be in accordance with roadway demolition plan drawings. New permanent signage will installed in accordance with the pavement markings and signing sheets in the package. Relocation of existing signs will not be paid directly but is incidental to various bid items. The sign and its proposed location is as shown on the table below:

Sign	Proposed Station & Offset	Sign	Proposed Station & Offset
Metro Bus Stop	15+00 55' RT	3 Hour Parking	49+00 50' LT
US 90 East and West	17+70 58' RT	3 Hour Parking	49+40 50' LT
Metro Bus Stop	17+25 65' LT	3 Hour Parking	49+90 50' LT
Fannin South Park & Ride	17+85 58' LT	3 Hour Parking	50+40 50' LT
Speed Limit	20+80 50' RT	Metro Bus Stop	49+00 60' RT
Metro Bus Stop	21+00 50' RT	Bike Route	53+00 48' RT
Hermann Park (Arrow)	22+50 50' RT	Metro Bus Stop	53+00 47' RT
Speed Limit	41+65 50' LT	Metro Bus Stop	59+00 50' LT
		Metro Bus Stop	66+40 45' LT
Metro Bus Stop	44+30 55' RT		
Metro Bus Stop	48+00 50' LT		

Street Lights

HH. The existing wooden poles, wooden poles with light, metal light poles shall be relocated/removed by CenterPoint Energy as shown in Demo Plans and Street Lighting Plans.

II. Only underground conduit and pull boxes are to be installed as part of this project. Proposed street light locations are for informational purposes and will be installed by CenterPoint Energy contractor, as a separate contract, after the project is complete.

JJ. Proposed decorative light on new pedestrian light poles along with necessary appurtenances are to be installed as shown on the drawings next to the pedestrian walkway along Hermann Park.

SWPPP

KK. Provide filter fabric fence along the edge of excavation to prevent contaminants.

LL. Provide reinforced filter fence in the existing as well as proposed ditch as shown on the drawings.

MM. Provide stage I inlet protection barrier on the proposed inlets. This include inlets

proposed at High Performance Modular Biofiltration System locations.

NN. Provide stage II inlet protection barrier on the existing and proposed inlets.

OO. Provide stabilized construction access at the ingress and egress of the project.

Landscape & Irrigation

PP. Tree removal with approval from COH urban forester. Tree protection, installation of checker plates, and zero curb cut locations as indicated on plans and specification. Contractor shall employ qualified arborist acceptable to City's Parks and Recreation Department to complete all tree treatments. Arborist shall be normally engaged in the field and have a minimum of 5 year's experience. Qualifications of the selected arborist shall be submitted for review and approval by the project engineer and City of Houston. An Urban forester shall be hired to monitor and assist with field layout (exact locations of fencing, root pruning, and zero curb cutback) of the tree preservation program during demolition and construction to ensure tree protection procedures and techniques are practiced as specified to address concerns and conditions which occur in the field.

QQ. Tree planting shall include 30 gal. Montezuma Cypress, 30 gal. Mexican Sycamore, 30 gal. Live Oak, 30 gal. Cedar Elm and 30 gal. Natchez Crape Myrtle along the ROW and in the medians. 1 gal. Gulf Coast Penstemon, and 1 gal. Gulf Coast Muhly shall be planted in the High Performance Modular Biofiltration System locations. All other areas shall receive Bermuda grass hydroseed with exception for block sodding at new curb locations. Fine grading shall be defined as placing and grading of additional soil (topsoil 3" minimum) required bringing the grade to the required grades for lawns.

RR. Landscape ground maintenance shall commence at the Notice to Proceed and terminate at 24 months after the issuance of Notice of Substantial Completion.

SS. Irrigation system shall be used to irrigate all trees and the High Performance Modular Biofiltration System locations. Contractor is responsible to furnish and install a complete irrigation system, permits or fees per COH regulations, trenching and backfill, furnishing and installing backflow prevention devices, furnishing and installing sleeves where indicated, coordinate all activities with the installation of related electrical equipment and primary power wiring by electrical subcontractor, coordinating and installation of water meter and controller according to plans, boring under existing paving for irrigation piping and control valve wiring if additional sleeves are required, inspections and tests, install extra control and ground wires if requested by Owners, clean up and disposal, coordinate connector of controller inside of building with other trades, record "As Built" drawings and Warranties.

1.03 CASH ALLOWANCES

A. Include the following specific Cash Allowances in Contract Price under provision of General Conditions Paragraph 3.11:

1. COH Flood Plain Management permit - copy of permit application included at the end of this document.
2. TD PES/ TCEQ general permit (NOI application fee).

3. Utility reimbursement - (permanent street lighting) for installation and re-circuiting 2-inch PVC conduits. Quantities for street lighting conduits are listed in document 00410B of this package.
4. Pedestrian Lighting

1.04 ALTERNATES

- B. No alternates allowed in this contract

1.05 CITY-FURNISHED PRODUCTS

- A. Items Furnished by the City for Installation and final connection by Contractor: Water meters (only if the existing water meters are damaged).
- B. Contractor's Responsibilities:
  1. Arrange and pay for Product delivery to the site.
  2. Receive and unload Products at the site; jointly with the City, inspect for completeness or damage.
  3. Handle, store, install, and finish Products.
  4. Repair or replace damaged items.

1.06 WORK SEQUENCE

- A. Construct the Work in Phases during the construction period; coordinate construction schedule and operations with the City:
  1. Phase 1: Construct 4 inside lanes.  
Two existing outside lanes on Alameda will carry traffic while the interior lanes and medians are constructed. Driveways, median openings, and major intersections will be constructed with high early strength concrete to avoid extended periods of traffic closures/delays.
  2. Phase 2: Construct the outside lanes.  
This construction will have traffic on the newly constructed lanes with a minimum of two travel lanes in each direction with additional turning lanes as designed. The adjacent north and southbound lanes will be constructed during this phase along with sidewalk and curbs along Alameda.
  3. Phase 3: Construct landscape features.  
During this phase the transition from temporary (existing) traffic signals to the final signal design will occur, although the traffic poles can be set in any earlier phase. High Performance Modular Biofiltration System installation shall be the last item to be completed.
- B. For projects with no Phases, do not disturb more than 50% of total project linear feet of disturbed right-of-way and easement until site restored in accordance with Section 01740 – Site Restoration.

C. Coordination of the Work: Refer to Section 01312 - Coordination and Meetings.

1.07 CONTRACTOR USE OF PREMISES

- A. Comply with procedures for access to the site and Contractor's use of rights-of-way as specified in Section 01145 - Use of Premises.
- B. Temporary field office as specified in Section 01520 is required in this project. The cost of temporary field office shall be incidental to the cost of mobilization.
- C. Construction Operations: Limited to the City's rights-of-way provided by the City and areas shown or described in the Contract documents.
- D. Utility Outages and Shutdown: Provide a minimum of 48 hours notice to the City and private utility companies (when applicable), excluding weekends and holidays, in advance of required utility shutdown. Coordinate all work as required.
- E. Private Utility Relocations: Pursuant to Section 40-395 of the City of Houston (City) Utility Relocation Ordinance Program (URO), and based upon the best information provided by the private facility owners, all required utility relocation work has been coordinated. The City expects there should have no perceivable conflicts with the proposed construction.

The following is a description of the private utilities identified for relocation within the project limits:

UTILITY			
Utility Owner	Approximate Location	Estimated Clearance Date	Effect on Construction
AT&T	STA 34+72 to 69+44	October 2015	Contractor may work on other areas
Center Point Energy- Electric	STA 15+56 to 68+01	July 2015	Contractor may work on other areas
Alpheus	Sta 56+00 to 60+63	December 2015	Contractor may work on other areas
CenterPoint Energy - Gas	STA 13+35 to 53+62	July 2015	Contractor may work on other areas

The relocation of these facilities is not anticipated to interfere with the Contractors operations, but the Contractor shall develop the project construction schedule and bid accordingly. In the event that the clearance dates are deviated and proven to impact contractor's schedule, Contractor shall notify the construction project manager per Article 7 – Changes in the Work under Document 00700 General Conditions. The Contractor is invited to review all information of potential obstructions currently on file with the Engineer.

- F. Outstanding Special Provisions - Right-of-Way Acquisitions, Encroachments, Permits, Etc.: The City of Houston (City) has determined that the following pending conditions may apply to the completion of the proposed construction identified herein, and should be considered essential in completion of this project.
- Ongoing ROW acquisitions at Holcombe Blvd. and Old Spanish Trail.

1.08 STREET CUT ORDINANCE

- A. Excavations on or under pavement in the City's right-of-way must have a permit. Comply with City of Houston, Texas Ordinance No. 2000-1115, an ordinance amending Chapter 40 of the Code of Ordinances, Houston, Texas, relating to excavating in the Public right-of-way.
- B. Comply with the latest edition of street cut New Pavement Repair and Pavement Replacement details.
- C. Quantities are included for street cut pavement repair and replacement in applicable Specification sections for Unit Price contracts.
- D. Include payment for street cut pavement repair and replacement in lump sum bid for Stipulated Price contracts.

1.09 WARRANTY

- A. Comply with warranty requirements in accordance with Document 00700 – General Conditions.

1.10 ADDITIONAL CONDITIONS FOR SUBSTANTIAL COMPLETION

- A. In addition to requirements outlined in Document 00700 – General Conditions, for Contractor to be substantially complete with the Work and call for inspection by Project Manager to confirm, the following conditions must be met or completed:
1. All testing shall be completed and accepted by Project Manager.
  2. All Safety related work including street lights, pavement stripping, signing and signalization installed and operational as intended.
  3. All safety-related systems and equipment shall be installed, accepted by manufacture's representative and approved for use.
  4. All pay items complete and reported.
  5. Contractor shall contact Construction Project Manager to complete Texas Department of Licensing and Regulations Post Construction

Inspection of pedestrian elements for Texas Accessibility Standards.

6. All landscape items are installed.
7. All Low Impact amenities installed, cleaned and operational.
8. Complete report of all pay items.

B. No additional condition described in Paragraph 1.10 may be included in Contractor's punch list.

PART 2 PRODUCTS - Not Used

PART 3 EXECUTION - Not Used

END OF SECTION

Document 00410B

**BID FORM - PART B**

**1.0 TOTAL BID PRICE HAS BEEN CALCULATED BY BIDDER, USING THE FOLLOWING COMPONENT PRICES AND PROCESS (PRINT OR TYPE NUMERICAL AMOUNTS):**

**A. STIPULATED PRICE**

[/N/A]

(Total Bid Price; minus Base Unit Prices, Extra Unit Prices, Cash Allowance and All Alternates, if any)

**B. BASE UNIT PRICE TABLE**

**UNIT PRICES - GENERAL ITEMS**

Item No.	Spec No.	Item Description	Unit Measure	Unit Quantity	Unit Price (this column controls)	Total in Figures
1	01502	Mobilization	LS	1	\$900,000 <sup>(3)</sup>	\$ 900,000 <sup>(3)</sup>
2	01506	Diversion Pumping	LS	1		
3	01555	Traffic Control and Regulation	LS	1	\$90,000 <sup>(2)</sup>	\$ 90,000 <sup>(2)</sup>
4	01555	Uniformed Police Officers and Flagman	LS	1	\$117,000 <sup>(2)</sup>	\$117,000 <sup>(2)</sup>
5	01554	Traffic Control Signs (New)	EA	17		
6	01554	Traffic Control Signs (Relocated)	EA	20		
7	01555	Install Low Profile Concrete Barrier	LF	12,700		
8	01555	Relocate Low Profile Concrete Barrier	LF	11,600		
9	01555	Remove Low Profile Concrete Barrier	LF	12,700		
10	01570	Inlet Protection Barrier	LF	2,048		
11	01570	Storm Inlet Sediment Trap	EA	56		
12	1570	Filter fabric fence	LF	3,500		
13	01570	Reinforced filter fabric barrier	LF	430		
14	01575	Stabilized Construction Exit	SY	475		
15	01578	Ground water control for open-cut construction	LF	477		
16	02086	Adjust existing manhole frame and cover to new grade	EA	33		

**BID FORM  
PART B**

Alameda Road Paving & Drainage  
WBS No. N-000806-0001-4  
CSJ No. 0912-72-072

Item No.	Spec No.	Item Description	Unit Measure	Unit Quantity	Unit Price (this column controls)	Total in Figures
17	02086	Adjust existing valve box to new grade	EA	2		
18	02086	Adjust existing inlet to new grade	EA	12		
19	02105	Preparatory Work	LS	1	\$3,500 <sup>(2)</sup>	\$3,500 <sup>(2)</sup>
20	02105	Underground Utility Construction in PPCA	LF	60		
21	02120	Transportation & Disposal of Class I or Class II Soil	CY	165		
22	02120	Transportation & Disposal of Contaminated Groundwater	GAL	200		
23	02221	Remove/Dispose Existing Inlets	EA	4		
24	02221	Remove/Dispose Existing Inlets (Within PPCA Limits)	EA	3		
25	02221	Remove/Dispose Existing Manholes	EA	8		
26	02221	Remove/Dispose storm pipe 18-inch dia	LF	393		
27	02221	Remove/Dispose storm pipe 24-inch dia	LF	561		
28	02221	Remove/Dispose storm pipe 30-inch dia	LF	71		
29	02221	Remove/Dispose storm pipe 36-inch dia	LF	309		
30	02221	Remove/Dispose Inlets all sizes/depth	EA	15		
31	02221	Remove and Dispose 8 inch sewer line	LF	8		
32	02221	Remove and Dispose 10 inch sewer line	LF	32		
33	02221	Remove and Dispose of 15" storm sewer or culvert pipe	LF	109		
34	02221	Remove/Dispose Asphalt Surface/with or without Base	SY	42,071		

00410B-2  
08-01-2013  
Addendum 4

Bidder's Initials [    ]

**BID FORM  
PART B**

Alameda Road Paving & Drainage  
WBS No. N-000806-0001-4  
CSJ No. 0912-72-072

Item No.	Spec No.	Item Description	Unit Measure	Unit Quantity	Unit Price (this column controls)	Total in Figures
35	02221	Remove/Dispose Conc driveway 6-inch thick/More	SY	2,424		
36	02221	Remove/ Dispose Conc Sidewalk 4-inch thick/More	SY	4,546		
37	02221	Remove/Dispose Misc Concrete	CY	32		
38	02221	Removing and disposing of Concrete pavements (all thickness, w/ or w/o Asphalt, including base & subgrade, w/ or w/o curb, all depth)	SY	15,035		
39	02233	Clearing and grubbing	AC	23.45		
40	02233	Remove/Relocate Fence	LF	360		
41	02260	Trench safety system for trench excavations	LF	5,910		
42	02315	Roadway Excavation with or without subgrade	CY	17,590		
43	02319	Borrow( Offsite)	CY	12,670		
44	02714	Flexible Base Course/temp driveways Commercial upto 24 feet wide	EA	28		
45	02741	Temporary Asphalt Concrete Pavement for detour/ Roadway and shoulder	SY	1,600		
46	02765	Temporary Pavement Markers Class I	LF	3,100		
<b>TOTAL UNIT PRICES - GENERAL ITEMS</b>						<b>\$ _____</b>

**UNIT PRICES - PAVING ITEMS**

Item No.	Spec No.	Item Description	Unit Measure	Unit Quantity	Unit Price (this column controls)	Total in Figures
47	2336	Lime for Lime stabilized Subgrade (DRY WEIGHT)	TON	1,238		
48	2336	Lime Stabilized Subgrade 6-inch thick	SY	3,625		
49	2336	Lime Stabilized Subgrade 8-inch thick	SY	65,953		
50	2711	HotMix Asphalt Base Course (TypeA/B) / All Thickness	TON	1,815		
51	2713	Recycled crushed concrete Base Course/ All Thickness	TON	5		
52	2741	Hot Mix Asphalt Concrete Pavement 1.5-inch thick	TON	370		
53	2751	Reinforced Concrete Pavement 10-inch thick	SY	48,784		
54	2751	Reinforced Concrete Pavement 6-inch thick	SY	3,725		
55	2751	High Early Strength Reinforced Con Pav 13-inch thick	SY	10,764		
56	2752	Street Pavement Expansion Joint with Load transfer	LF	6,912		
57	2752	Horizontal Dowel, 24-Inch	EA	828		
58	02752S	Saw Cutting	LF	1,311		
59	2754	Concrete Driveways including Excavation 7-inch thick	SF	29,936		
60	2771	6-Inch Concrete Curb (Monolithic)	LF	13,210		
61	2771	Esplanade Curb	LF	11,312		
62	2771	Concrete Paving Header	LF	608		
63	2772	6-inch Concrete Median or Directional Island	SY	1,346		
64	2775	Sidewalk 4-1/2-inch thick	SF	34,820		
65	2775	6-inch thick Reinforced Concrete Slope Paving	SY	262		
66	2775	Wheelchair Ramps and sidewalks, complete in place	SF	3,280		
67	2960	Milling Asphalt pavement upto 2-inches	SY	60		
<b>TOTAL UNIT PRICES - PAVING ITEMS</b>						\$ _____

**BID FORM  
PART B**

Alameda Road Paving & Drainage  
WBS No. N-000806-0001-4  
CSJ No. 0912-72-072

**UNIT PRICES - STORM ITEMS**

Item No.	Spec No.	Item Description	Unit Measure	Unit Quantity	Unit Price (this column controls)	Total in Figures
68	2081	Extra depth, Type C manhole	VF	4		
69	2801	Extra depth, manhole on box	VF	291		
70	2801	Extra depth, manhole on box within Possible PPCA Limits	VF	42		
71	02081/02082/02087	Type C manhole for 42-inch diameter and smaller sewers	EA	4		
72	02081/02082/02087	Type C manhole for 48-inch to 72-inch diameter sewers	EA	2		
73	02081/02082/02087	Manhole for concrete box sewers within PPCA limits	EA	3		
74	02081/02082/02087	Manhole for concrete box sewers	EA	26		
75	02315	Reconstruction of roadside ditch	LF	5,456		
76	02631	24-inch diameter storm sewer by open cut	LF	1,069		
77	02631	36-inch diameter storm sewer by open cut	LF	148		
78	02631	30-inch diameter storm sewer by open cut	LF	5		
79	02631	6-foot by 3-foot box storm sewer by open cut	LF	154		
80	02632/02633	Type A grate inlet	EA	1		
81	02632/02633	Type A Mod. grate inlet	EA	25		
82	02633	24-inch diameter storm sewer lead	LF	1,934		
83	HCPCD 02378	Rip-rap Gradation No. 1, 12-inch thick	SY	320		
84	TxDOT 465-2098	Inlet (Compl) (TY C1)	EA	12		
85	TxDOT 465-2098	Inlet (Compl) (TY C1) - Mod.	EA	31		
86	TxDOT 465-2229	Inlet Ext (TY C1)	EA	25		
<b>TOTAL UNIT PRICES - STORM ITEMS</b>						\$ _____

**BID FORM  
PART B**

Alameda Road Paving & Drainage  
WBS No. N-000806-0001-4  
CSJ No. 0912-72-072

**UNIT PRICES - WASTEWATER ITEMS**

Item No.	Spec No.	Item Description	Unit Measure	Unit Quantity	Unit Price (this column controls)	Total in Figures
87	2082	8-foot diameter precast concrete manholes	EA	2		
88	2082	4-foot diameter precast concrete manholes	EA	6		
89	2082	Extra depth, 4-foot diameter precast concrete manhole	VF	16		
90	2531	6-inch diameter sanitary sewer, by open-cut	LF	60		
91	2531	10-inch diameter sanitary sewer, by open-cut	LF	907		
92	2531	54-inch diameter sanitary sewer, by open-cut	LF	156		
93	2531	8-inch diameter sanitary sewer, by open-cut	LF	60		
94	2531	Remove and dispose - 6-inch diameter sanitary sewer	LF	60		
95	2531	Remove and dispose - 10-inch diameter sanitary sewer	LF	907		
96	2531	Remove and dispose - 54-inch diameter sanitary sewer	LF	159		
97	2534	Service stubs or reconnections without stack on sanitary sewer	EA	6		
<b>TOTAL UNIT PRICES - WASTEWATER ITEMS</b>						<b>\$</b>

Alameda Road Paving & Drainage  
WBS No. N-000806-0001-4  
CSJ No. 0912-72-072

UNIT PRICES - WATER ITEMS

Item No.	Spec No.	Item Description	Unit Measure	Unit Quantity	Unit Price (this column controls)	Total in Figures
98	2511	4-inch diameter water line by open-cut	LF	50		
99	2511	8-inch diameter water line by open-cut	LF	780		
100	2511	6-inch diameter water line by open-cut	LF	25		
101	2511	12-inch diameter water line by open-cut	LF	4,493		
102	2511	12-inch diameter water line by open-cut with restrained joints	LF	272		
103	2511	12-inch diameter water line in steel casing by trenchless construction	LF	140		
104	2512	3/4-inch to 1-inch diameter water taps and copper service line with meter box, short side	EA	8		
105	2512	1-1/2-inch to 2-inch diameter watertap and service line with meter box, short side	EA	5		
106	2512	1-1/2-inch to 2-inch diameter service line with meter box, extra long side	EA	2		
107	2513	8-inch diameter wet connection	EA	12		
108	2513	6-inch diameter wet connection	EA	1		
109	2513	4-inch diameter wet connection	EA	2		
110	2513	12-inch diameter wet connection	EA	2		
111	2516	Cut, plug, and abandon existing 6-inch diameter water line	EA	1		
112	2516	Cut, plug, and abandon existing 8-inch diameter water line	EA	12		
113	2516	Cut, plug, and abandon existing 4-inch diameter water line	EA	1		
114	2516	Cut, plug, and abandon existing 12-inch diameter water line	EA	2		
115	2520	Remove and salvage existing fire hydrant	EA	6		

**BID FORM  
PART B**

Alameda Road Paving & Drainage

WBS No. N-000806-0001-4.

CSJ No. 0912-72-072

Item No.	Spec No.	Item Description	Unit Measure	Unit Quantity	Unit Price (this column controls)	Total in Figures
116	2520	Fire hydrant assembly, all depths, including 6-inch diameter gate valve and box	EA	12		
117	2520	6-inch diameter fire hydrant branch by open-cut	LF	200		
118	2525	12-inch by 12-inch diameter tapping sleeve and valve with box	EA	1		
<b>TOTAL UNIT PRICES - WATER ITEMS</b>						\$ _____

**UNIT PRICES - TRAFFIC ITEMS**

Item No.	Spec No.	Item Description	Unit Measure	Unit Quantity	Unit Price (this column controls)	Total in Figures
119	2582	4-Inch Pole all style with foundation	EA	9		
120	02582/ 02465	40-foot Mast arm Pole Assembly	EA	1		
121	02582/ 02465	45-foot Mast arm Pole Assembly	EA	3		
122	02582/ 02465	50-foot Mast arm Pole Assembly	EA	1		
123	02582/ 02465	55-foot Mast arm Pole Assembly	EA	3		
124	2764	Raised Pav Marker Ty II Two face Reflective (W/Y)	EA	646		
125	2767	Thermoplastic Pavement Marking 4-inch wide White/Yellow(SLD/BRK)	LF	5,990		
126	2767	Thermoplastic Pavement Marking 8-inch wide White/Yellow	LF	1,755		
127	2767	Thermoplastic Pavement Marking 12-inch wide White/Yellow	LF	1,034		
128	2767	Thermoplastic Pavement Marking 24-inch wide White/Yellow	LF	505		
129	2767	Thermoplastic Pavement Marking symbol ARROW	EA	38		

00410B-8  
08-01-2013  
Addendum 4

Bidder's Initials [     ]

**BID FORM  
PART B**

Alameda Road Paving & Drainage  
WBS No. N-000806-0001-4  
CSJ No. 0912-72-072

Item No.	Spec No.	Item Description	Unit Measure	Unit Quantity	Unit Price (this column controls)	Total in Figures
130	2767	Thermoplastic Pavement Marking Elongated Word ONLY	EA	13		
131	2893	Sign Left On Green Arrow Only R10-12 all sizes	EA	14		
132	2893	Electrical Service Pole Assembly- 70AMP(Square D breakers included)	EA	2		
133	2893	Remove and Salvage Existing Traffic Signal Equipment	EA	2		
134	2893	Overhead Street Name Signs	EA	8		
135	16710	Type A Pull Box with Gravel and Ground Rod	EA	26		
136	16711	Conduit 2-Inch Sch 80 PVC Trench	LF	2,500		
137	16711	Conduit 3-Inch Sch 80 PVC Trench	LF	60		
138	16711	Conduit 4-Inch Sch 80 PVC Trench	LF	60		
139	16711	Conduit 4-Inch Sch 80 PVC Bore	LF	600		
140	16713	Performed Loop Detectors	EA	30		
141	16715	3-Section Vehicle signal Head assembly	EA	24		
142	16715	3-Section Vehicle signal Head assembly(All Arrows)	EA	14		
143	16716	Pedestrian Push Button Assembly, Left, Right or Both Arrows	EA	16		
144	16719	Pedestrian Push Button Head Assembly,(Symbolic) Countdown	EA	16		
145	16720	2/C#14 Shielded Cable	LF	7,370		
146	16720	3/C#14AWG Solid Cable	LF	1,595		
147	16720	5/C#14AWG Solid Cable	LF	1,755		
148	16720	7/C#14AWG Solid Cable	LF	5,280		
149	16720	#2 XHHW Service Wire	LF	100		
150	16720	#8 AWG Bare Solid Wire	LF	1,800		

00410B-9  
08-01-2013  
Addendum 4

Bidder's Initials [     ]

**BID FORM  
PART B**

Alameda Road Paving & Drainage

WBS No. N-000806-0001-4

CSJ No. 0912-72-072

Item No.	Spec No.	Item Description	Unit Measure	Unit Quantity	Unit Price (this column controls)	Total in Figures
151	16724	Emergency Vehicle Preemption System	EA	2		
152	16727	Loop Detector Sawcut With Loop Wire	LF	900		
153	16730	ITS Controller Cabinet Assembly( Model 340)( Type 2070L)	EA	2		
154	16750	Accessible Pedestrian Push Button System(Central Control Unit, Eight Push Button Station )	EA	2		
<b>TOTAL UNIT PRICES -TRAFFIC ITEMS</b>						\$ _____

**UNIT PRICES - STREET LIGHT ITEMS**

Item No.	Spec No.	Item Description	Unit Measure	Unit Quantity	Unit Price (this column controls)	Total in Figures
155	2581	Conduit 2-inch Sch 40PVC	LF	10,251		
156	2581	Conduit 2-inch Sch 80PVC	LF	1,851		
<b>TOTAL UNIT PRICES -STREET LIGHTS ITEMS</b>						\$ _____

Alameda Road Paving & Drainage  
WBS No. N-000806-0001-4  
CSJ No. 0912-72-072

**BID FORM  
PART B**

**UNIT PRICES - HERMANN PARK PEDESTRIAN LIGHTING ITEMS**

Item No.	Spec No.	Item Description	Unit Measure	Unit Quantity	Unit Price (this column, controls)	Total in Figures
157	DWG / Hermann Park	Pedestrian Light fixture plus installation	EA	37		
158	DWG / Hermann Park	Pedestrian Light Pole bases	EA	37		
159	DWG / Hermann Park	Pedestrian Light Pull Boxes	EA	12		
160	DWG / Hermann Park	Pedestrian Light 100 amp meter box	EA	1		
161	DWG / Hermann Park	Pedestrian Light 100 amp meter switch	EA	1		
162	DWG / Hermann Park	Pedestrian Light 100 amp panel with breakers (NEMA 4X 316-SS)	EA	1		
163	DWG / Hermann Park	Pedestrian Light Photocell & Time Clock (in 316-SS Enclosure)	EA	1		
164	DWG / Hermann Park	Pedestrian Light Lighting Contactor	EA	1		
165	DWG / Hermann Park	Pedestrian Light Wire pulled #8 THWN Copper	LF	26,600		
166	DWG / Hermann Park	Pedestrian Light Unistrut Rack	EA	1		
167	DWG / Hermann Park	Pedestrian Light 2" RGS Conduit	LF	75		
168	2581	Pedestrian Light 2" PVC Schedule 40	LF	150		
169	2581	Pedestrian Light 1" PVC Schedule 40PVC	LF	4,430		
<b>TOTAL UNIT PRICES - HERMANN PARK PEDESTRIAN LIGHTING ITEMS</b>						\$ _____

00410B-11  
08-01-2013  
Addendum 4

Bidder's Initials [     ]

Alameda Road Paving & Drainage  
WBS No. N-000806-0001-4  
CSJ No. 0912-72-072

**BID FORM  
PART B**

**UNIT PRICES - LANDSCAPE & IRRIGATION ITEMS**

Item No.	Spec No.	Item Description	Unit Measure	Unit Quantity	Unit Price (this column controls)	Total in Figures
170	1562	Tree and plant protection	LS	1		
171	1562	Install Checker plate	SF	1,800		
172	1562	Zero Curb Cut	LF	600		
173	2811	Irrigation System	LS	1		
174	2921	Bermuda grass hydro seed	SF	356,000		
175	2922	Sodding ( Bermuda)	SY	5,000		
176	2915	30 gal. Montezuma Cypress	EA	63		
177	2915	30 gal. Live Oak	EA	74		
178	2915	30 gal. Natchez Crape Myrtle	EA	68		
179	2915	30 gal. Mexican Sycamore	EA	61		
180	2915	30 gal. Cedar Elm	EA	26		
181	2915	1 gal. Gulf Coast Penstemon	SF	600		
182	2915	1 gal. Gulf Coast Muhly	SF	600		
183	2970	Landscape Ground Maintenance	MO	24		
184	2811	Irrigation sleeves	LF	2,110		
<b>TOTAL UNIT PRICES - LANDSCAPE &amp; IRRIGATION ITEMS</b>						\$ _____

**BID FORM  
PART B**

Alameda Road Paving & Drainage  
WBS No. N-000806-0001-4  
CSJ No. 0912-72-072

**UNIT PRICES -LOW IMPACT (LID) ITEMS**

Item No.	Spec No.	Item Description	Unit Measure	Unit Quantity	Unit Price (this column controls)	Total in Figures
185	DWG/LID SPECIFICATIONS	High Performance Modular Biofiltration System (HPMBS)	SF	1,140		
186	LID SPECIFICATIONS	Landscape Ground Maintenance	MO	24		
187	O & M MANUAL	2 Year Maintenance Plan for LID Features After 1 Year Warranty Period	LS	1		
<b>TOTAL UNIT PRICES -LOW IMPACT ITEMS</b>						\$ _____

**C. EXTRA UNIT PRICE TABLE:**

Item No.	Spec No.	Item Description	Unit Measure	Unit Quantity	Unit Price (this column controls)	Total in Figures
188	2105	Extra PPCA handling	LS	1	\$50,000.00 (2)	\$50,000.00 (2)
189	2120	Excavation Around Obstructions in PPCA	CY	100	\$.60.00 (2)	\$6,000.00 (2)
190	2120	Extra Placement of Backfill Material in PPCA	CY	100	\$30.00 (2)	\$3,000.00 (2)
191	2120	Extra Hand Excavation in PPCA	CY	100	\$50.00 (2)	\$5,000.00 (2)
192	2120	Extra Machine Excavation in PPCA	CY	100	\$20.00 (2)	\$2,000.00 (2)
193	2120	6-Inch Over Excavate Trench Bottom in PPCA	LF	250	\$15.00 (2)	\$3,750.00 (2)
194	2221	Remove miscellaneous concrete and masonry	CY	100	\$100.00	\$10,000.00 (2)
195	02317	6" Over excavate trench bottom	LF	100	\$5.00 (2)	\$500.00 (2)

00410B-13  
08-01-2013  
Addendum 4

Bidder's Initials [     ]

Alameda Road Paving & Drainage  
WBS No. N-000806-0001-4  
CSJ No. 0912-72-072

**BID FORM  
PART B**

Item No.	Spec No.	Item Description	Unit Measure	Unit Quantity	Unit Price (this column controls)	Total in Figures
196	02318	Excavation around obstructions	CY	100	\$30.00 (2)	\$3,000.00 (2)
197	02318	Extra hand excavation	CY	100	\$25.00 (2)	\$2,500.00 (2)
198	02318	Extra machine excavation	CY	100	\$10.00 (2)	\$1,000.00 (2)
199	02318	Extra placement of backfill material	CY	100	\$15.00 (2)	\$1,500.00 (2)
200	02318	Extra placement of granular fill	CY	100	\$15.00 (2)	\$1,500.00 (2)
201	02318	Extra cement-stabilized sand	CY	100	\$15.00 (2)	\$1,500.00 (2)
201	03315	Extra grade 60 reinforcing steel in place	LB	500	\$2.00 (2)	\$1,000.00 (2)
202	03315	Extra class "A" concrete with or without forms	CY	100	\$350.00 (2)	\$35,000.00 (2)
<b>TOTAL UNIT PRICES - EXTRA WORK ITEMS</b>						<b>\$ _____</b>

00410B-14  
08-01-2013  
Addendum 4

Bidder's Initials [     ]

**BID FORM  
PART B**

Alameda Road Paving & Drainage  
WBS No. N-000806-0001-4  
CSJ No. 0912-72-072

**D. CASH ALLOWANCE TABLE:**

Item No.	Spec No.	CASH ALLOWANCE SHORT TITLE	Cash Allowance in figures (1)
203	1110	City of Houston Street Cut Permit	\$3,500.00
204	1110	City of Houston Floodplain Management Office Development Permit	\$5,650.00
205	1110	Street Light Cash Allowance	\$40,816.00
206	1110	Center Point Energy Connection to Pedestrian Lighting	\$10,000.00
<b><u>TOTAL CASH ALLOWANCES</u></b>			<b><u>\$59,966.00</u></b>

00410B-15  
08-01-2013  
Addendum 4

Bidder's Initials [     ]

Alameda Road Paving & Drainage  
WBS No. N-000806-0001-4  
CSJ No. 0912-72-072

**E. ALTERNATES TABLE:**

Item No.	Spec Ref.	Alternate Short Title	Unit of Measure	Estimated Quantity	Unit Price (this column controls)	Total Price for Alternate in figures
[1]		N/A				
TOTAL ALTERNATIVES						\$

REST OF PAGE INTENTIONALLY LEFT BLANK

F. **TOTAL BID PRICE:** \$ \_\_\_\_\_  
(Add Totals for Items A., B., C., D., and E. above)

**2.0 SIGNATURES:** By signing this Document, I agree that I have received and reviewed all Addenda and considered all costs associated with the Addenda in calculating the Total Bid Price.

Bidder: \_\_\_\_\_  
(Print or type full name of your proprietorship, partnership, corporation, or joint venture.\*)

\*\* By: \_\_\_\_\_  
Signature Date

Name: \_\_\_\_\_  
(Print or type name) Title

Address: \_\_\_\_\_  
(Mailing)

\_\_\_\_\_  
(Street, if different)

Telephone and Fax Number: \_\_\_\_\_  
(Print or type numbers)

\* If Bid is a joint venture, add additional Bid Form signature sheets for each member of the joint venture.

\*\* Bidder certifies that the only person or parties interested in this offer as principals are those named above. Bidder has not directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding.

Note: Under Section 231.006, Family Code, the Bidder certifies that the individual or business entity named in this bid is not ineligible to receive the specified grant, loan, or payment and acknowledges that this contract may be terminated and payment may be withheld if this certification is inaccurate."

This document constitutes a government record, as defined by § 37.01 of the Texas Penal Code. Submission of a false government record is punishable as provided in § 37.10 of the Texas Penal Code.

Footnotes for Tables B through E:

- (1) Fixed Unit Price determined prior to Bid. Cannot be adjusted by the Bidder.
- (2) Minimum Bid Price determined prior to Bid. Can be increased by the Bidder by crossing out the Minimum and noting revised price on the line above.
- (3) Maximum Bid Price determined prior to Bid. Can be decreased but not increased by Bidder by crossing out the Maximum and noting revised price on the line above. A Bid that increases the Maximum Bid Price may be found non-conforming and non-responsive.
- (4) Fixed Range Bid Price determined prior to Bid. Unit Price can be adjusted by Bidder to any amount within the range defined by crossing out prices noted and noting revised price on the line above.

CSJ : 0912-72-072  
 Highway: CS  
 Project : C 912-72-072  
 County : Harris  
 Limits : On Alameda Road from Old Spanish Trail to South MacGregor Way

UTILITY CERTIFICATION

This is to certify that all utilities will be adjusted in accordance with the appropriate directives covering the adjustment of utilities, except those utilities listed below which will be adjusted in accordance with appropriate directives.

UTILITY			
Utility Owner	Approximate Location	Estimated Clearance Date	Effect on Construction
AT&T Texas	STA 34+72 to 69+ 44	October 2015	Contractor may work in other areas
CenterPoint Energy – Electric,	STA 15+56 to 68+01	July 2015	Contractor may work in other areas
Alpheus	STA 56+00 to 60 +63	December 2015	Contractor may work in other areas
CenterPoint Energy – Gas	STA 13+35 to 60+65	July 2015	Contractor may work in other areas

RIGHT OF WAY CERTIFICATION

This is to certify that all right-of-way has been acquired in accordance with the current FHWA directives concerning the acquisition of the real property, except those listed below, which will be acquired in accordance with FHWA directives. The following parcels have not been acquired there is not a right to use and to occupy.

RIGHT-OF-WAY ACQUISITION			
Parcel Number	Owner	Estimated Acquisition Date	Effect on Construction
AY13-126	2401 Holcombe Boulevard Houston, Texas 77021.	July 2015.	Contractor may work in other areas

RELOCATION ASSISTANCE PROGRAM CERTIFICATION

This is to certify that this project did not cause any displacements, and the steps relative to relocation advisory assistance and payments under the current FHWA directive(s) covering the administration of the Highway Relocation Assistance Program were not required.

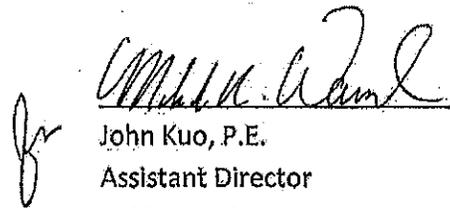
RAILROAD WORK

This is to certify that this project did not require any railroad work.

RIGHT OF WAY ENCROACHMENTS

This is to certify that no right of way encroachments existed within the limits of this project or all removal of encroachments has been completed.

This certification is issued with the understanding that State and/or Federal funds will not participate in any cost or time suspensions caused by delays in acquiring the right-of-way or adjusting utilities.

  
John Kuo, P.E.  
Assistant Director  
Public Works and Engineering  
Department

4/1/15

Date

SHEET No. DESCRIPTION

I. GENERAL

- 1 TITLE SHEET
1A GENERAL NOTES
2 - 4 INDEX OF SHEETS
2 INDEX OF SHEETS
3 INDEX OF SHEETS
4 OMITTED
5 - 12 PROJECT LAYOUT
5 PROJECT LAYOUT BEGIN STA. TO STA. 13+50
6 PROJECT LAYOUT STA. 13+50 TO STA. 22+50
7 PROJECT LAYOUT STA. 22+50 TO STA. 31+50
8 PROJECT LAYOUT STA. 31+50 TO STA. 40+50
9 PROJECT LAYOUT STA. 40+50 TO STA. 49+50
10 PROJECT LAYOUT STA. 49+50 TO STA. 58+50
11 PROJECT LAYOUT STA. 58+50 TO STA. 67+50
12 PROJECT LAYOUT STA. 67+50 TO END STA.
13 - 17 SURVEY CONTROL MAP
13 SWING-TIES (SHEET 1 OF 2)
14 SWING-TIES (SHEET 2 OF 2)
15 SURVEY CONTROL MAP (SHEET 1 OF 3)
16 SURVEY CONTROL MAP (SHEET 2 OF 3)
17 SURVEY CONTROL MAP (SHEET 3 OF 3)
18 - 21 TYPICAL SECTIONS
18 EXISTING TYPICAL SECTIONS (SHEET 1 OF 5)
19 PROPOSED TYPICAL SECTIONS (SHEET 2 OF 5)
19A PROPOSED TYPICAL SECTIONS (SHEET 3 OF 5)
20 PROPOSED TYPICAL SECTIONS (SHEET 3 OF 5)
21 HOLCOMBE BLVD PROPOSED TYPICAL SECTIONS (SHEET 5 OF 5)

22 - 22B ESTIMATE AND QUANTITIES

- 22 ESTIMATE AND QUANTITIES (SHEET 1 OF 3)
22A ESTIMATE AND QUANTITIES (SHEET 2 OF 3)
22B ESTIMATE AND QUANTITIES (SHEET 3 OF 3)

II. TRAFFIC CONTROL

23 ADVANCED WARNING TRAFFIC CONTROL PLAN

24 - 31A TRAFFIC CONTROL PLAN PHASE 1

- 24 PHASE 1 TRAFFIC CONTROL PLAN BEGIN STA. 3+77 TO MATCHLINE B-B
25 PHASE 1 TRAFFIC CONTROL PLAN MATCHLINE B-B TO MATCHLINE D-D
26 PHASE 1 TRAFFIC CONTROL PLAN MATCHLINE D-D TO MATCHLINE F-F
27 PHASE 1 TRAFFIC CONTROL PLAN MATCHLINE F-F TO END STA.
28 OST PHASE 1A TRAFFIC CONTROL PLAN
29 OST PHASE 1B TRAFFIC CONTROL PLAN
29A OST PHASE 1C TRAFFIC CONTROL PLAN
30 HOLCOMBE PHASE 1A TRAFFIC CONTROL PLAN
31 HOLCOMBE PHASE 1B TRAFFIC CONTROL PLAN
31A HOLCOMBE PHASE 1C TRAFFIC CONTROL PLAN

32-39A TRAFFIC CONTROL PLAN PHASE 2

- 32 PHASE 2 TRAFFIC CONTROL PLAN BEGIN STA. 5+00 TO MATCHLINE B-B
33 PHASE 2 TRAFFIC CONTROL PLAN MATCHLINE B-B TO MATCHLINE D-D
34 PHASE 2 TRAFFIC CONTROL PLAN MATCHLINE D-D TO MATCHLINE F-F
35 PHASE 2 TRAFFIC CONTROL PLAN MATCHLINE F-F TO END STA.
36 OST PHASE 2A TRAFFIC CONTROL PLAN
37 OST PHASE 2B TRAFFIC CONTROL PLAN
37A OST PHASE 2C TRAFFIC CONTROL PLAN
38 HOLCOMBE PHASE 2A TRAFFIC CONTROL PLAN
39 HOLCOMBE PHASE 2B TRAFFIC CONTROL PLAN
39A HOLCOMBE PHASE 2C TRAFFIC CONTROL PLAN

40 - 42 TxDOT STANDARDS

- 40 TWO WAY ROADWAY INTERSECTION PHASING TWRIP (1) TC2010-09 (SHEET 1 OF 2)
41 TWO WAY ROADWAY INTERSECTION PHASING TWRIP (2) TC2010-09 (SHEET 2 OF 2)
42 CONSTRUCTION SEQUENCE FOR MISCELLANEOUS DRIVE CSMD TC8010-2009

SHEET No. DESCRIPTION

III. ROADWAY DETAILS

- 43 - 77 PLAN AND PROFILE
43 PLAN BEGIN STA. TO STA. 9+00
44 PROFILE BEGIN STA. TO STA. 9+00
45 PLAN STA. 9+00 TO STA. 13+50
46 PROFILE STA. 9+00 TO STA. 13+50
47 PLAN STA. 13+50 TO STA. 18+00
48 PROFILE STA. 13+50 TO STA. 18+00
49 PLAN STA. 18+00 TO STA. 22+50
50 PROFILE STA. 18+00 TO STA. 22+50
51 PLAN STA. 22+50 TO STA. 27+00
52 PROFILE STA. 22+50 TO STA. 27+00
53 PLAN STA. 27+00 TO STA. 31+50
54 PROFILE STA. 27+00 TO STA. 31+50
55 PLAN STA. 31+50 TO STA. 36+00
56 PROFILE STA. 31+50 TO STA. 36+00
57 PLAN STA. 36+00 TO STA. 40+50
58 PROFILE STA. 36+00 TO STA. 40+50
59 PLAN STA. 40+50 TO STA. 45+00
60 PROFILE STA. 40+50 TO STA. 45+00
61 PLAN STA. 45+00 TO STA. 49+50
62 PROFILE STA. 45+00 TO STA. 49+50
63 PLAN STA. 49+50 TO STA. 54+00
64 PROFILE STA. 49+50 TO STA. 54+00
65 PLAN STA. 54+00 TO STA. 58+50
66 PROFILE STA. 54+00 TO STA. 58+50
67 PLAN STA. 58+50 TO STA. 63+00
68 PROFILE STA. 58+50 TO STA. 63+00
69 PLAN STA. 63+00 TO STA. 67+50
70 PROFILE STA. 63+00 TO STA. 67+50
71 PLAN STA. 67+50 TO END STA.
72 PROFILE STA. 67+50 TO END STA.
73 HOLCOMBE BLVD PLAN STA. 1+00 TO STA. 6+40
74 HOLCOMBE BLVD PROFILE STA. 1+00 TO STA. 6+40
75 HOLCOMBE BLVD PLAN STA. 6+40 TO END STA.
76 HOLCOMBE BLVD PROFILE STA. 6+40 TO END STA.
77 DIXIE DR. PLAN & PROFILE STA. 1+00 TO END STA.

78 - 80 INTERSECTION LAYOUTS

- 78 INTERSECTION LAYOUT (OST)
79 INTERSECTION LAYOUT (PAYSON & LOCKETT)
80 INTERSECTION LAYOUT (HERMANN PARK & CAMDEN)
81 DRIVEWAY LAYOUT

82 - 92 DEMOLITION PLAN

- 82 DEMOLITION PLAN BEGIN STA. TO STA. 13+50
83 DEMOLITION PLAN STA. 13+50 TO STA. 22+50
84 DEMOLITION PLAN STA. 22+50 TO STA. 27+00
84A DEMOLITION PLAN STA. 27+00 TO STA. 31+50
85 DEMOLITION PLAN STA. 31+50 TO STA. 40+50
86 DEMOLITION PLAN STA. 40+50 TO STA. 45+00
87 HOLCOMBE BLVD DEMOLITION PLAN
88 DEMOLITION PLAN STA. 45+00 TO STA. 49+50
89 DEMOLITION PLAN STA. 49+50 TO STA. 54+00
90 DEMOLITION PLAN STA. 54+00 TO STA. 58+50
91 DEMOLITION PLAN STA. 58+50 TO STA. 67+50
92 DEMOLITION PLAN STA. 67+50 TO END STA.

93 - 95 STANDARDS

- 93 MISCELLANEOUS DETAILS
94 PAVEMENT DETAILS
95 PAVEMENT DETAILS
95A-J CROSS SECTIONS

IV. DRAINAGE

96 - 97 OVERALL DRAINAGE AREA MAP

- 96 OVERALL DRAINAGE AREA SYSTEM A
97 OVERALL DRAINAGE AREA SYSTEM B & C

98 - 112 DRAINAGE AREA MAP

- 98 INLET DRAINAGE AREA MAP BEGIN STA. TO STA. 9+00

SHEET No. DESCRIPTION

- 99 INLET DRAINAGE AREA MAP STA. 9+00 TO STA. 13+50
100 INLET DRAINAGE AREA MAP STA. 13+50 TO STA. 18+00
101 INLET DRAINAGE AREA MAP STA. 18+00 TO STA. 22+50
102 INLET DRAINAGE AREA MAP STA. 22+50 TO STA. 27+00
103 INLET DRAINAGE AREA MAP STA. 27+00 TO STA. 31+50
104 INLET DRAINAGE AREA MAP STA. 31+50 TO STA. 36+00
105 INLET DRAINAGE AREA MAP STA. 36+00 TO STA. 40+50
106 INLET DRAINAGE AREA MAP STA. 40+50 TO STA. 45+00
107 INLET DRAINAGE AREA MAP STA. 45+00 TO STA. 49+50
108 INLET DRAINAGE AREA MAP STA. 49+50 TO STA. 54+00
109 INLET DRAINAGE AREA MAP STA. 54+00 TO STA. 58+50
110 INLET DRAINAGE AREA MAP STA. 58+50 TO STA. 63+00
111 INLET DRAINAGE AREA MAP STA. 63+00 TO STA. 67+50
112 INLET DRAINAGE AREA MAP STA. 67+50 TO END STA.

113 - 119 HYDRAULIC COMPUTATIONS

- 113 EXISTING HOUSTORM ANALYSIS SYSTEM A, B, C
114 PROPOSED WINSTORM INLET ANALYSIS
115 PROPOSED HOUSTORM ANALYSIS SYSTEM A
116 PROPOSED HOUSTORM ANALYSIS SYSTEM B, C
117 100 YR SWMM MODEL RESULTS SYSTEM A, B, C
118 TYPE A MOD INLET DETAIL
119 OMITTED

120 - 149 DRAINAGE PLAN & PROFILE

- 120 DRAINAGE PLAN BEGIN STA. TO STA. 9+00
121 DRAINAGE PROFILE BEGIN STA. TO STA. 9+00
122 DRAINAGE PLAN STA. 9+00 TO STA. 13+50
123 DRAINAGE PROFILE STA. 9+00 TO STA. 13+50
124 DRAINAGE PLAN STA. 13+50 TO STA. 18+00
125 DRAINAGE PROFILE STA. 13+50 TO STA. 18+00
126 DRAINAGE PLAN STA. 18+00 TO STA. 22+50
127 DRAINAGE PROFILE STA. 18+00 TO STA. 22+50
128 DRAINAGE PLAN STA. 22+50 TO STA. 27+00
129 DRAINAGE PROFILE STA. 22+50 TO STA. 27+00
130 DRAINAGE PLAN STA. 27+00 TO STA. 31+50
131 DRAINAGE PROFILE STA. 27+00 TO STA. 31+50
132 DRAINAGE PLAN STA. 31+50 TO STA. 36+00
133 DRAINAGE PROFILE STA. 31+50 TO STA. 36+00
134 DRAINAGE PLAN STA. 36+00 TO STA. 40+50
135 DRAINAGE PROFILE STA. 36+00 TO STA. 40+50
136 DRAINAGE PLAN STA. 40+50 TO STA. 45+00
137 DRAINAGE PROFILE STA. 40+50 TO STA. 45+00
138 DRAINAGE PLAN STA. 45+00 TO STA. 49+50
139 DRAINAGE PROFILE STA. 45+00 TO STA. 49+50
140 DRAINAGE PLAN STA. 49+50 TO STA. 54+00
141 DRAINAGE PROFILE STA. 49+50 TO STA. 54+00
142 DRAINAGE PLAN STA. 54+00 TO STA. 58+50
143 DRAINAGE PROFILE STA. 54+00 TO STA. 58+50
144 DRAINAGE PLAN STA. 58+50 TO STA. 63+00
145 DRAINAGE PROFILE STA. 58+50 TO STA. 63+00
146 DRAINAGE PLAN STA. 63+00 TO STA. 67+50
147 DRAINAGE PROFILE STA. 63+00 TO STA. 67+50
148 DRAINAGE PLAN STA. 67+50 TO END STA.
149 DRAINAGE PROFILE STA. 67+50 TO END STA.

150 - 156 STANDARDS

- 150 CURB INLET TYPE C1 (MOD) (WITH OR WITHOUT EXTENSION)
151 CURB INLET TYPE C1 (MOD) FLUME DETAILS
152 CURB INLET TYPE C1 (WITH OR WITHOUT EXTENSION)
153 DRAINAGE DETAILS ( 1 OF 2)
154 DRAINAGE DETAILS ( 2 OF 2)
155 FOCAL POINT DETAILS
156 OMITTED

156A- 156E FLOOD PLAIN CUT AND FILL COMPUTATION

- 156A FLOOD PLAIN CUT AND FILL COMPUTATION (SHEET 1 OF 5)
156B FLOOD PLAIN CUT AND FILL COMPUTATION (SHEET 2 OF 5)
156C FLOOD PLAIN CUT AND FILL COMPUTATION (SHEET 3 OF 5)
156D FLOOD PLAIN CUT AND FILL COMPUTATION (SHEET 4 OF 5)
156E FLOOD PLAIN CUT AND FILL COMPUTATION (SHEET 5 OF 5)

NOTE: The location of existing underground utilities are shown in an approximate way only. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-669-8344 and the City of Houston Department of Public Works and Engineering at 832-394-9098 a minimum of two working days prior to construction to field locate utilities. The contractor shall determine the exact location of all existing utilities before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by his failure to exactly locate and preserve any and all underground utilities. CAUTION: UNDERGROUND GAS FACILITIES: Locations of CenterPoint Energy main lines (to include CenterPoint Energy, Intrastate Pipeline Inc. where applicable) are shown in an approximate location only. Service lines are usually not shown. Our signature on these plans only indicates that our facilities are shown in approximate location. It does not imply that a certified analysis has been made. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-669-8344 a minimum of 48 hours prior to construction to field locate and service lines field located. \* When CenterPoint Energy gas line markings are not visible, call 713-657-8037 (7:00 am to 4:30 pm). For status of line location request before excavation begins. \* When excavating within eighteen inches (18") of the indicated location of CenterPoint Energy facilities, all excavations must be accomplished using non-mechanized excavation procedures. \* When CenterPoint Energy facilities are exposed, sufficient support must be provided to the facilities to prevent excessive stress on the piping. The contractor is fully responsible for any damages caused by the contractor's failure to exactly locate and preserve these underground facilities. WARNING: OVERHEAD ELECTRICAL FACILITIES: Overhead lines may exist on the property. We have not attempted to mark these lines since they are clearly visible, but you should locate them prior to beginning any construction. Texas law, Section 752, Health and Safety Code, forbids activities in which persons or things may come within six (6) feet of live overhead high voltage lines. Parties responsible for the work, including contractors, are legally responsible for the safety of construction workers under this law. This carries both criminal and civil liability. To arrange for lines to be turned off or removed call CenterPoint Energy at 713-657-8222. Revised 2008. WARNING: AT&T TEXAS/SWIFT FACILITIES: The locations of AT&T Texas/SWIFT facilities are shown in an approximate way only. The contractor shall determine the exact location before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by failure to exactly locate and preserve these underground utilities. The contractor shall call 1-800-344-8577 a minimum of 48 hours prior to construction to have underground lines field located. When excavating within eighteen inches (18") of the indicated location of AT&T Texas/SWIFT facilities, all excavations must be accomplished using non-mechanized excavation procedures. When boring the contractor shall expose the AT&T Texas/SWIFT facilities. When AT&T Texas/SWIFT facilities are exposed, the contractor will provide support to prevent damage to the conduit ducts or cables. When excavating near telephone poles the contractor shall remove the pole for support. The presence or absence of AT&T Texas/SWIFT underground conduit facilities does not mean that there are no direct buried cables in the area. Follow the Direct Buried Cable Procedure to locate the AT&T Texas/SWIFT buried cables as indicated in the AT&T Texas Research and Signature Process for AT&T Texas/SWIFT Facilities. Please contact the AT&T Texas Damage Prevention Manager Mr. Rosewell Lee Jr. at 713-657-8222 or email him at 47268@att.com. If there are questions about boring or excavating near our AT&T Texas/SWIFT facilities.

Table with 3 columns: NO., DATE, REVISIONS. Row 1: 05-28-14, ADDENDUM 4.

Addendum 4
Texas Department of Transportation
TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT AT 713-207-2222

PRIVATE UTILITY LINES SHOWN
AT LEAST 48 HOURS BEFORE EXCAVATING IN STREETS OR EASEMENTS CALL THE LONE STAR NOTIFICATION 713-223-4567.
Date:
CenterPoint Energy/Electric Facilities
Date:
Approved for SBC underground conduit facilities only. Signature valid for one year.
Date:
CenterPoint Energy/Gas Facilities/ENTEX INCORPORATED (Gas service lines are not shown)
Date:

CABLE COMPANY
WALTER P MOORE
WALTER P. MOORE & ASSOCIATES, INC.
1301 MCINNIS, SUITE 1100
HOUSTON, TEXAS 77010
PHONE: 713.030.7000 FAX: 713.030.7000
TYPE FIRM REGISTRATION NUMBER 1886

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
ALMEDA ROAD FROM
OLD SPANISH TRAIL TO S.
MACGREGOR WAY
INDEX OF SHEETS

Table with 2 columns: WBS NUMBER, FOR CITY OF HOUSTON USE ONLY. Row 1: N-000806-0001-4, DRAWING SCALE, VERT: AS NOTED, HORZ: AS NOTED, CITY OF HOUSTON PM, MICHELLE RANDON, P.E., SHEET NO. 2 OF 271

PH:000001111002-01 Alameda PH:11000000-11002-01-INDEX SWIT.dwg Jun 02, 2015 - 8:53am

**DEMOLITION QUANTITY**

Spec. Ref.	General Unit Short Title	Unit of Measure	STATIONS	STATIONS	STATIONS	Holcombe Blvd	TOTAL									
			BEGIN TO 13+50	13+50 TO 22+50	22+50 TO 27+00	27+00 TO 31+50	31+50 TO 40+50	40+50 TO 45+00	45+00 TO 49+50	49+50 TO 54+00	54+00 TO 58+50	58+50 TO 67+50	67+50 TO END			
01502	Mobilization	LS														1
01578	Ground water control for open-cut construction	LF	115	187				10				155		10		477
02086	Adjust existing manhole frame and cover to new grade	EA	2	6		2	3	5				4	2	7	1	33
02086	Adjust existing valve box to new grade	EA		1												2
02086	Adjust existing inlet to new grade	EA	5	3		1	1					1		1		12
02221	Remove/Dispose Existing Inlets	EA		3												4
02221	Remove/Dispose Existing Inlets (Within PPCA Limits)	EA	1	2												3
02221	Remove/Dispose Existing Manholes	EA										4		4		8
02221	Remove/Dispose storm pipe 18-inch dia	LF		10		246	80							57		393
02221	Remove/Dispose storm pipe 24-inch dia	LF					75			94	75			317		561
02221	Remove/Dispose storm pipe 30-inch dia	LF												71		71
02221	Remove/Dispose storm pipe 36-inch dia	LF										155		154		309
02221	Remove/Dispose Inlets all sizes/depth	EA	2	4		1	2				2			3	1	15
02221	Remove and Dispose 8 inch sewer line	LF		8												8
02221	Remove and Dispose 10 inch sewer line	LF	32													32
02221	Remove and Dispose of 15" storm sewer or culvert pipe	LF					17	62			30					109
02233	Clearing and grubbing	AC	2,612	3,491	1,756	1,550	3,202	1,653	1,756	1,756	1,653	3,202	0,215	0,800		23,45
02233	Remove/Relocate Fence	LF													360,000	360,00
02260	Trench safety system for trench excavations	LF		435	450	450	900	450	610	450	1465	70	180			5910
02221	Remove/Dispose Asphalt Surface/with or without Base	SY	1166	7385	2317	3127	7094	2277	6400	6864	1148	2713	640	940		42,071
02221	Remove/Dispose Conc driveway 6-inch thick/More	SY	216	750	262	237	242	54	131	181		351				2,424
02221	Remove/Dispose Conc Sidewalk 4-inch thick/More	SY	272	688	237	430	698	389	179	278	194	625	86	470		4,546
02221	Remove/Dispose Misc Concrete	CY		12	10		10									32
02315	Roadway Excavation with or without subgrade	CY	390	800	1200	2300	3000	1100	3200	2300	1200	2000	100			17,590
02319	Borrow (Offsite)	CY	850	2800	200	800	850	200	200	1600	2100	3000	70			12,670
02221	Removing and disposing of Concrete pavements (all thickness, w/ or w/o Asphalt, including base & subgrade, w/ or w/o curb, all depth)	SY	2798	779							1085	1349	3582		5442	15,035
02714	Flexible Base Course/temp driveways Commercial upto 24 feet wide	EA	3	6	4	4	4	1	2	2			1	1		28

**SANITARY SEWER QUANTITY**

Spec. Ref.	Wastewater Unit Short Title	Unit of Measure	STATIONS	STATIONS	STATIONS	STATIONS	AT DIXIE ROAD	TOTAL
			54+00 TO 59+35	59+35 TO 64+20	64+20 TO 68+00	64+20 TO 68+00		
			Sheet 166	Sheet 168	Sheet 170	Sheet 171	Sheet 172	
01506	Diversion Pumping	LS						1
02082	8-foot diameter precast concrete manholes	EA					2	2
02082	4-foot diameter precast concrete manholes	EA	1	2	1	1		5
2082	4-foot diameter watertight manhole	EA			1			1
02534	Service stubs or reconnections without stack on sanitary sewer	EA		3	3			6
02082	Extra depth, 4-foot diameter precast concrete manhole	VF	3	8	7	5		23
02531	6-inch diameter sanitary sewer, by open-cut	LF	10	20	20	10		60
02531	Remove and dispose - 6-inch diameter sanitary sewer	LF	10	20	20	10		60
02531	54-inch diameter sanitary sewer, by open-cut	LF					156	156
02531	Remove and dispose - 54-inch diameter sanitary sewer	LF					159	159
02531	10-inch diameter sanitary sewer, by open-cut	LF	32	491	385	17		925
02531	Remove and dispose - 10-inch diameter sanitary sewer	LF	32	491	385	17		925
02531	8-inch diameter sanitary sewer, by open-cut	LF	10	20	20	10		60

**WATER LINE QUANTITY**

Spec. Ref.	Water Unit Short Title	Unit of Measure	STATIONS	STATIONS	STATIONS	STATIONS	TOTAL						
			BEGIN TO 22+50	22+50 TO 27+00	27+00 TO 31+50	31+50 TO 36+00	36+00 TO 40+50	40+50 TO 45+00	STATION S 45+00 TO 49+50	STATION S 49+50 TO 54+00	STATIONS 54+00 TO 59+35	STATIONS 59+35 TO 64+20	
			Sheet 157	Sheet 158	Sheet 159	Sheet 160	Sheet 161	Sheet 162	Sheet 163	Sheet 164	Sheet 166	Sheet 168	
02511	4-inch diameter water line by open-cut	LF					35			15			50
02511	8-inch diameter water line by open-cut	LF	20		20	15	485	150				90	780
02511	6-inch diameter water line by open-cut	LF										25	25
02511	12-inch diameter water line by open-cut	LF	440	450	450	389	450	455	379	455	429		4493
02511	12-inch diameter water line by open-cut with restrained joints	LF				61		59	101			51	272
02511	12-inch diameter water line in steel casing by trenchless construction	LF						140					140
02512	3/4-inch to 1-inch diameter water taps and copper service line with meter box, short side	EA		5	3								8
02512	1-1/2-inch to 2-inch diameter watertap and service line with meter box, short side	EA	2					1	1		1		5
02512	1-1/2-inch to 2-inch diameter service line with meter box, extra long side	EA						1		1			2
02513	8-inch diameter wet connection	EA	1		1	1	4	2					12
02513	6-inch diameter wet connection	EA										1	1
02513	4-inch diameter wet connection	EA					1			1			2
02513	12-inch diameter wet connection	EA						1				1	2
02516	Cut, plug, and abandon existing 6-inch diameter water line	EA										1	1
02516	Cut, plug, and abandon existing 8-inch diameter water line	EA	1		1	1	4	2				3	12
02516	Cut, plug, and abandon existing 4-inch diameter water line	EA					1			1			1
02516	Cut, plug, and abandon existing 12-inch diameter water line	EA						1				1	2
02520	Remove and salvage existing fire hydrant	EA		1		1	1	1	1		1		6
02520	Fire hydrant assembly, all depths, including 6-inch diameter gate valve and box	EA	1	1	1	1	1	2	1	1	2	1	12
02520	6-inch diameter fire hydrant branch by open-cut	LF	20	20	20	20	20	25	15	20	30	10	200
02525	12-inch by 12-inch diameter tapping sleeve and valve with box	EA	1										1

**QUANTITIES FOR CONTRACTOR INFORMATION**

**NOTE:**  
The location of existing underground utilities are shown in an approximate way only. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-659-8344 and the City of Houston Department of Public Works and Engineering at 832-394-9088 a minimum of two working days prior to construction to field locate utilities. The contractor shall determine the exact location of all existing utilities before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by his failure to exactly locate and preserve any and all underground utilities.

**CAUTION: UNDERGROUND GAS FACILITIES**  
Locations of CenterPoint Energy main lines (to include CenterPoint Energy, Intrastate Pipeline Inc. where applicable) are shown in an approximate location only. Service lines are usually not shown. Our signature on these plans only indicates that our facilities are shown in approximate location. It does not imply that a conflict analysis has been made. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-659-8344 a minimum of 48 hours prior to construction to have main and service lines field located.

- \* When Center Point Energy pipe line markings are not visible, call 713-967-8337 (7:00 am to 4:30 pm), for status of line location request before excavation begins.
- \* When excavating within eighteen inches (18") of the indicated location of Center Point Energy facilities, all excavation must be accomplished using non-mechanized excavation procedures.
- \* When Center Point Energy facilities are exposed, sufficient support must be provided to the facilities to prevent excessive stress on the piping.

The contractor is fully responsible for any damage caused by the contractor's failure to exactly locate and preserve these underground facilities.

**WARNING: OVERHEAD ELECTRICAL FACILITIES**  
Overhead lines may exist on the property. We have not attempted to mark these lines since they are clearly visible, but you should locate them prior to beginning any construction. Texas law, Section 752, Health and Safety code, forbids all activities in which persons or things may come within six (6') feet of the overhead high voltage lines. Parties responsible for the work, including contractors, are legally responsible for the safety of construction workers under this law. This carries both criminal and civil liability. To arrange for lines to be turned off or removed call CenterPoint Energy at 713-207-2222. Revised 2008

**WARNING: AT&T TEXAS/SWIFT FACILITIES**  
The locations of AT&T Texas/SWIFT facilities are shown in an approximate way only. The contractor shall determine the exact location before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by failure to exactly locate and preserve these underground utilities.

The contractor shall call 1-800-334-8377 a minimum of 48 hours prior to construction to have underground lines field located.

When excavating within eighteen inches (18") of the indicated location of AT&T Texas/ SWIFT facilities, all excavations must be accomplished using non-mechanized excavation procedures. When boring, the contractor shall expose the AT&T Texas/SWIFT facilities.

If AT&T Texas/SWIFT facilities are exposed, the contractor will provide support to prevent damage to the conduit ducts or cables. When excavating near telephone poles the contractor shall brace the pole for support.

The presence or absence of AT&T Texas/SWIFT underground conduit facilities does not mean that there are no direct buried cables in the area. Follow the United Buried Cable Procedure to locate the AT&T Texas/SWIFT buried cables as indicated in the AT&T Texas Research and Signature Process for AT&T Texas/SWIFT facilities.

Please contact the AT&T Texas Damage Prevention Manager Mr. Rossvelt Lee Jr. at 713-567-4532 or email him at rl226@att.com, if there are questions about boring or excavating near our AT&T Texas/SWIFT facilities.

05/29/15	ADDENDUM 4	
NO.	DATE	REVISIONS
		APP.

**Addendum 4**

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Texas Department of Transportation

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT AT 713-207-2222

**PRIVATE UTILITY LINES SHOWN**  
AT LEAST 48 HOURS BEFORE EXCAVATING IN STREET R.O.W. OR EASEMENTS CALL THE LONG STAR NOTIFICATION 713-223-4567.

Date: \_\_\_\_\_

CenterPoint Energy/Electric Facilities  
SIGNATURE INDICATES UNDERGROUND ELECTRIC LINES ARE PROPERLY SHOWN. NO APPROVAL FOR CONSTRUCTION IS GIVEN.

Date: \_\_\_\_\_

Approved for SBC underground conduit facilities only.  
Signature valid for one year.

Date: \_\_\_\_\_

CenterPoint Energy/Gas Facilities/ENTEX INCORPORATED  
(Gas service lines are not shown)

CABLE COMPANY

**WALTER P MOORE**  
WALTER P. MOORE & ASSOCIATES, INC.  
1301 McMINNIE, SUITE 1100  
HOUSTON, TEXAS 77002  
PHONE: 713.939.7000 FAX: 713.939.7000  
TPE FIRM REGISTRATION NUMBER 1886

**CITY OF HOUSTON**  
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

**ALMEDA ROAD FROM  
OLD SPANISH TRAIL TO S.  
MACGREGOR WAY  
ESTIMATE AND QUANTITIES**

SHEET 1 OF 3

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
N-000806-0001-4	
DRAWING SCALE	
VERT: AS NOTED	
HORZ: AS NOTED	
CITY OF HOUSTON PM	
MICHELLE RANDON, P.E.	
SHEET NO. 22 OF 271	

FOR SANITARY SEWER, WATER LINE AND ROADWAY DEMOLITION QUANTITIES

**\* QUANTITIES FOR CONTRACTOR INFORMATION**

**STORM SEWER QUANTITY**

Spec Ref.	Item Description	Unit Measure	Begin to Sta 9+00	Sta 9+00 to Sta 13+50	Sta 13+50 to Sta 18+00	Sta 18+00 to Sta 22+50	Sta 22+50 to Sta 27+00	Sta 27+00 to Sta 31+50	Sta 31+50 to Sta 36+00	Sta 36+00 to Sta 40+50	Sta 40+50 to Sta 45+00	Sta 45+00 to Sta 49+50	Sta 49+50 to Sta 54+00	Sta 54+00 to Sta 58+50	Sta 58+50 to Sta 63+00	Sta 63+00 to Sta 67+50	Sta 67+50 to End	TOTAL
			Sheet 120	Sheet 122	Sheet 124	Sheet 126	Sheet 128	Sheet 130	Sheet 132	Sheet 134	Sheet 136	Sheet 138	Sheet 140	Sheet 142	Sheet 144	Sheet 146	Sheet 148	
02775	6-inch thick Reinforced Concrete Slope Paving	SY				25.32	25.32	25.32	33.76	25.32		33.76	25.32	33.76	8.44	25.32		262
02081 02082 02087	Type C manhole for 42-inch diameter and smaller sewers	EA												1		1	2	4
02081 02082 02087	Type C manhole for 48-inch to 72-inch diameter sewers	EA			1								2					3
02081 02082 02087	Manhole for concrete box sewers within PPCA limits	EA		1	2													3
02081 02082 02087	Manhole for concrete box sewers	EA		1	4	3	2	5	2			1	3	3	2			26
2315	Construction of roadside ditch	LF				434	544	429	501	653	12	681	736	686	309	471		5,456
02631	24-inch diameter storm sewer by open cut	LF										520	583					1,103
02631	30-inch diameter storm sewer by open cut	LF														5		5
02631	36-inch diameter storm sewer by open cut	LF								3						131	14	148
02631	6-foot by 3-foot box storm sewer by open cut	LF										154						154
02632/02633	Type A grate inlet	EA		1														1
02632/02633	Type A Mod. grate inlet	EA			3	3	3	3	2		3	2	3	1	2			25
02633	24-inch diameter storm sewer lead	LF		204	112	282	170	175	161	232	88		114	120	111	165		1,934
TxDOT 465-2098	Inlet (Comp) (TY C1)	EA		3	2	2			1	1	1				1	1		12
TxDOT 465-2098	Inlet (Comp) (TY C1) - Mod.	EA				3	3	3	4	3		4	3	4	1	3		31
TxDOT 465-2229	Inlet Ext (TY C1)	EA		3	1	2	1	2	2	3	1	2	1	2	1	4		25
DWG/LID SPECIFICATIONS	HPMBS	SF			135	112.5	172.5	172.5	112.5	112.5		135	90	135	45	90		1,140
HCFCO 02378	Rip-rap Gradation No. 1, 12-inch thick	SY				31	31	31	41.3	31		41.3	31	41.3	10.33	31		320
02081	Extra depth, Type C manhole	VF											4					4
02081	Extra depth, manhole on box within PPCA limits	VF		14	28													42
02081	Extra depth, manhole on box	VF			28	53	38	25	62	37	13		9	4	14	8		291
02105	Preparatory Work	LS																1
02105	Underground Utility Construction in PPCA	LF		20	40													60
02120	Transportation & Disposal of Class I or Class II Soil	CY		55	110													165
02120	Transportation & Disposal of Contaminated Groundwater	GAL		60	120													180

HIGH PERFORMANCE MODULAR BIOFILTRATION SYSTEM (HPMBS)



*Darrell L. Kaderof*  
FOR STORM SEWER QUANTITIES

**NOTE:**  
The location of existing underground utilities are shown in an approximate way only. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-569-8344 and the City of Houston Department of Public Works and Engineering at 832-394-9098 a minimum of two working days prior to construction to field locate utilities. The contractor shall determine the exact location of all existing utilities before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by his failure to exactly locate and preserve.

**CAUTION: UNDERGROUND GAS FACILITIES**  
Locations of CenterPoint Energy main lines (to include CenterPoint Energy Intrastate Pipeline Inc. where applicable) are shown in an approximate location only. Service lines are usually not shown. Our signature on these plans only indicates that our facilities are shown in approximate location. It does not imply that a conflict analysis has been made. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-569-8344 a minimum of 48 hours prior to construction to have main and service lines field located.

- When CenterPoint Energy pipe line markings are not visible, call 713-967-8007 (200 am to 4:30 pm). For status of line location request before excavation begins.
- When excavating within eighteen inches (18") of the indicated location of CenterPoint Energy facilities, all excavation must be accomplished using non-mechanized excavation procedures.
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**WARNING: AT&T TEXAS/SWEEET FACILITIES**  
The locations of AT&T Texas/SWEEET facilities are shown in an approximate way only. The contractor shall determine the exact location before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by failure to exactly locate and preserve these underground utilities.

The contractor shall call 1-800-344-6377 a minimum of 48 hours prior to construction to have underground lines field located.

When excavating within eighteen inches (18") of the indicated location of AT&T Texas/SWEEET facilities, all excavations must be accomplished using non-mechanized excavation procedures. When boring, the contractor shall expose the AT&T Texas/SWEEET facilities.

When AT&T Texas/SWEEET facilities are exposed, the contractor will provide support to prevent damage to the conduit ducts or cables. When excavating near telephone poles the contractor shall brace the pole for support.

The presence or absence of AT&T Texas/SWEEET underground conduit facilities does not mean that there are no direct buried cables in the area. Follow the Direct Buried Cable Procedure to locate the AT&T Texas/SWEEET buried cables as indicated in the AT&T Texas Research and Signature Process for AT&T Texas/SWEEET facilities.

Please contact the AT&T Texas Damage Prevention Manager Mr. Roosevelt Lee Jr. at 713-567-6552 or email him at rl725@att.com, if there are questions about boring or excavating near our AT&T Texas/SWEEET facilities.

2	05/29/15	ADDENDUM 4	
NO.	DATE	REVISIONS	APP.

**Addendum 4**

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Texas Department of Transportation

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT AT 713-207-2222

**PRIVATE UTILITY LINES SHOWN**  
AT LEAST 48 HOURS BEFORE EXCAVATING IN STREET R.O.W. OR EASEMENTS CALL THE LONE STAR NOTIFICATION 713-223-4567.

Date: \_\_\_\_\_  
CenterPoint Energy/Electric Facilities SIGNATURE INDICATES UNDERGROUND ELECTRIC LINES ARE PROPERLY SHOWN. NO APPROVAL FOR CONSTRUCTION IS GIVEN.

Date: \_\_\_\_\_  
Approved for SBC underground conduit facilities only. Signature valid for one year.

Date: \_\_\_\_\_  
CenterPoint Energy/Gas Facilities/DNTEX INCORPORATED (Gas service lines are not shown)

**CABLE COMPANY**

**WALTER P MOORE**  
WALTER P. MOORE AND ASSOCIATES, INC.  
1301 BURNETT, SUITE 1100  
HOUSTON, TEXAS 77002  
713.920.3300 FAX 713.920.3300  
TPE FIRM REGISTRATION NUMBER 1856

**CITY OF HOUSTON**  
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

**ALMEDA ROAD FROM OLD SPANISH TRAIL TO S. MACGREGOR WAY**

**ESTIMATE AND QUANTITIES**

SHEET 2 OF 3

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
N-000806-0001-4	
DRAWING SCALE	
VERT: AS NOTED	
HORZ: AS NOTED	
CITY OF HOUSTON PM	
MICHELLE RANDON, P.E.	
SHEET NO. 22A OF 271	



FOR STREET & BRIDGE QUANTITIES:

**STREET & BRIDGE QUANTITY**

Spec. Ref.	Street Unit Short Title	Unit of Measure	STATIONS BEGIN TO 9+00	STATIONS 9+00 TO 13+50	STATIONS 13+50 TO 18+00	STATIONS 18+00 TO 22+50	STATIONS 22+50 TO 27+00	STATIONS 27+00 TO 31+50	STATIONS 31+50 TO 36+00	STATIONS 36+00 TO 40+50	STATIONS 40+50 TO 45+00	STATIONS 45+00 TO 49+50	STATIONS 49+50 TO 54+00	STATIONS 54+00 TO 58+50	STATIONS 58+50 TO 63+00	STATIONS 63+00 TO 67+50	STATIONS 67+50 TO END	HOLCOMBE BLVD STATIONS 1+00 TO 3+85	HOLCOMBE BLVD STATIONS 6+40 TO END	DIXIE DR STATIONS 1+00 TO END	TOTAL
			Sheet 43	Sheet 45	Sheet 47	Sheet 49	Sheet 51	Sheet 53	Sheet 55	Sheet 57	Sheet 59	Sheet 61	Sheet 63	Sheet 65	Sheet 67	Sheet 69	Sheet 71	Sheet 73	Sheet 75	Sheet 77	
02336	Lime for Lime stabilized Subgrade (DRY WEIGHT)	TON	19	77	127	94	85	100	85	79	125	80	88	78	85	80	12	16		7	1238
02336	Lime Stabilized Subgrade 6-inch thick	SY		220	390	395	620	530	372	100	308	385			205						3625.00
02336	Lime Stabilized Subgrade 8-inch thick	SY	1053	4079	6755	4910	4244	5378	4413	4269	6809	4197	4575	4300	4691	4280	690	899		411	65,953
02711	Hot Mix Asphalt Base Course (Type A/B) / All Thickness	TON													1030	260	350			175	1,815
02741	Hot Mix Asphalt Concrete Pavement 1.5-inch thick	TON													210	55	70			35	370
02751	Reinforced Concrete Pavement 10-inch thick	SY	938	3772	2500	4331	3850	4730	4037	3969	2325	3818	4232	3911	4344	1503					48,160
02751	High Early Strength Reinforced Con Pav 13-inch thick	SY			4857	155		378				475			240	188		3819	651		10,764
2751	Reinforced Concrete Pavement 6-inch thick	SY		207	293	502	500	396	452	475	299	52	126		9	334	80				3,725
02752	Street Pavement Expansion Joint with Load transfer	LF	120	400	620	612	612	680	648	540	432	504	432	504	216			162	430		6,912
02752	Horizontal Dowel, 24-inch	EA	28		160														640		828
02754	Concrete Driveways Including Excavation 7-inch thick	SF		1755	4003	3025	4905	4853	2845	720	720	2385	3105		1620						29,936
02771	6-Inch Concrete Curb ( Monolithic)	LF	260	760	650	875	860	1450	925	920	690	945	890	900	1050	990	165	230	650		13,210
02771	Esplanade Curb	LF	260	660	665	820	905	735	775	900	730	820	815	900	700	380		525	722		11,312
02771	Concrete Paving Header	LF		40	255	25		25							31	135	70			27	608
02772	6-inch Concrete Median or Directional Island	SY			55	135	70	135	70	65	240	5	110	90	115	5		125	126		1,346
02775	Sidewalk 4-1/2-inch thick	SF		1650	2220	1950	1500	2100	2200	2300	3170	2250	2100	2725	3025	2325	390	800	2990		34,820
02960	Milling Asphalt pavement upto 2-inches	SY																		60	60
027525	Saw Cutting	LF	28	38	275	24		25							31	135	330	400	25		1,311
02775	Wheelchair Ramps and sidewalks, complete in place	SF			665	85		610			1040				375			135	240		3,280
02713	Recycled crushed concrete Base Course/ All Thickness	TON													3	1				1	5

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**SWPPP QUANTITY**

Spec. Ref.	Item	Units	Sheet 245	Sheet 246	Sheet 247	Sheet 248	Sheet 249	Sheet 250	Sheet 251	TOTAL
01570	IPB STAGE 1 (Storm Inlet Sediment Trap)	EA	4	10	11	8	9	12	2	56
01570	IPB STAGE 2 (Inlet Protection Barrier)	LF	384	368	304	240	256	352	144	2048
01570	RFB	LF	120	50	40	40	80	100		430
01575	STAB. CONST. EXIT	SY	200						275	475
01570	FILTER FABRIC BARRIER	LF	500	500	500	500	500	500	500	3500

**STREET LIGHTING QUANTITY**

Spec. Ref.	Item	Units	SHEET 236	SHEET 237	SHEET 238	SHEET 239	SHEET 240	SHEET 241	SHEET 242	TOTAL
	Prop. Metal Light Pole **	EA	3	10	10	13	11	9	4	60
	Remove Light from Wood Pole **	EA		11	9	10	9	8	4	51
	Remove Metal Light Pole **	EA				4				4
02581	Conduit Along (Sch 40)	LF	355	1789	1839	2081	1901	1857	429	10251
02581	Conduit Across (Sch 80)	LF		310	168	262	112	841	56	1851
	Light Fixture Pole plus installation	EA				1	16	16	4	37
	Pole Base	EA				1	16	16	4	37
	Pull Box	EA				1	5	5	1	12
	100A meter box	EA								1
	100A meter switch	EA								1
	100A panel w/ breakers (NEMA 4X316-SS)	EA								1
	Photocell & Time Clock (in 316SS Enclosure)	EA								1
	Lighting Contactor	EA								1
	Wire pulled #8 THWN Copper	LF			200	12000	12000	2400		26600
	Unistrut Rack	EA								1
	2" RGS Conduit	LF						75		75
	2" PVC Schedule 40	LF						150		150
	1" PVC Schedule 40	LF				30	2000	2000	400	4430
	Centerpoint Service	LS								1

Note: \*\* Indicate Items To Be Completed By Others

**QUANTITIES FOR CONTRACTOR INFORMATION**

**LANDSCAPE QUANTITY**

Spec. Ref.	Item	Unit	Sheet L0.00	Sheet L0.01	Sheet L0.02	Sheet L1.00	Sheet L1.01	Sheet L1.02	L2.00	L2.01	L2.02	Sheet L3.00	Total
			Sheet 255	Sheet 256	Sheet 257	Sheet 261	Sheet 262	Sheet 263	Sheet 265	Sheet 266	Sheet 267	Sheet 268	Quantity
2915	30 gal. Montezuma Cypress	EA				44	19	0					63
2915	30 gal. Live Oak	EA				0	61	13					74
2915	30 gal. Natchez Crape Myrtle	EA				14	32	22					68
2915	30 gal. Mexican Sycamore	EA				0	15	46					61
2915	30 gal. Cedar Elm	EA				26	0	0					26
2915	1 gal. Gulf Coast Penstemon	SF				120	290	190					600
2915	1 gal. Gulf Coast Muhly	SF				120	290	190					600
2921	Bermuda grass hydroseed	SF				110,800	119,350	125,850					356,000
2922	Bermuda sod	SY				1444.45	2000	1555.55					5,000
2970	Landscape Ground Maintenance	MONTH				24	0	0					24
2811	Irrigation System	LS							900	800	410	1	2110
2811	Irrigation sleeves	LF											1
1562	Install Checkerplate	SF	600	1200	0								1800
1562	Tree and plant protection	LS	1	0	0								1
1562	Zero Curb Cut	LF	0	100	500								600



FOR STREET LIGHTING QUANTITIES



FOR SWPPP QUANTITIES



FOR LANDSCAPE QUANTITIES



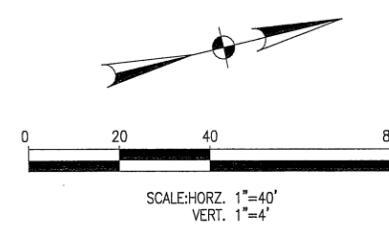
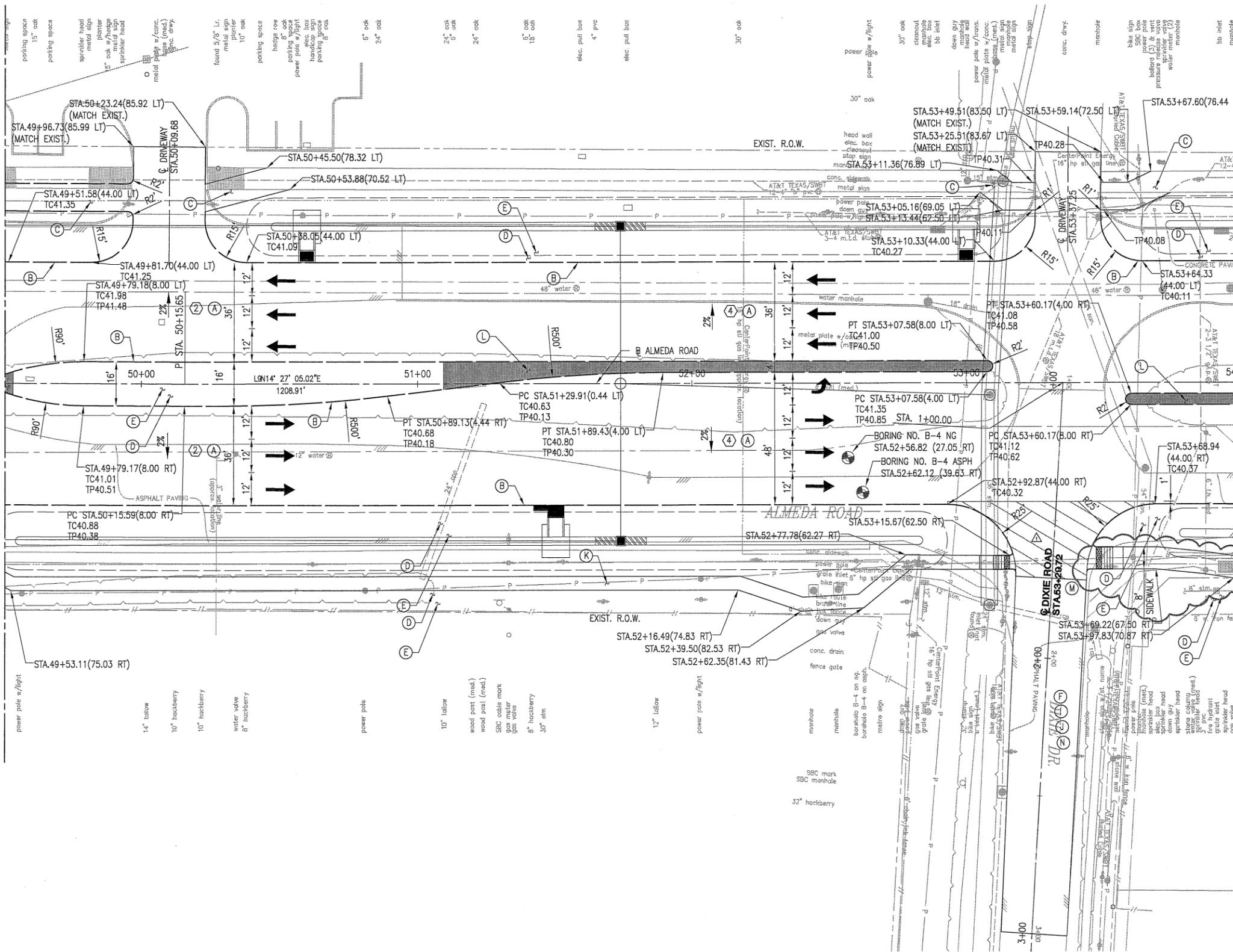
FOR TRAFFIC QUANTITIES

**TRAFFIC QUANTITY**

Spec. Ref.	Street Unit Short Title	Unit of Measure	STATIONS	STATIONS	STATIONS	STATIONS	STATIONS	STATIONS	STATIONS	STATIONS	STATIONS	STATIONS	STATIONS	STATIONS	STATIONS	STATIONS	STATIONS	HOLCOMBE	HOLCOMBE	DIXIE DR	TOTAL
			BEGIN TO 0+00	0+00 TO 13+50	13+50 TO 18+00	18+00 TO 22+50	22+50 TO 27+00	27+00 TO 31+50	31+50 TO 36+00	36+00 TO 40+50	40+50 TO 45+00	45+00 TO 49+50	49+50 TO 54+00	54+00 TO 58+50	58+50 TO 63+00	63+00 TO 67+50	67+50 TO END	STATIONS 1+00 TO 6+40	BLVD STATIONS 6+40 TO END	STATIONS 1+00 TO 6+40 TO END	
02784	Raised Pav Marker Ty II Two face Reflective (W/Y)	EA	7	52	46	54	52	40	44	44	54	44	43	44	45	38		30	8		646
02784	Joggle Bars Type W (W/Y)	EA																			0
02785	Temporary Pavement Markers Class I	LF	200	225	225	225	225	225	225	225	225	225	225	225	225						3100
02787	Thermoplastic Pavement Marking 4-inch wide White/Yellow(SLD/BRK)	LF	60	480	380	450	480	400	440	440	360	480	380	440	340			460	80		5990
02787	Thermoplastic Pavement Marking 8-inch wide White/Yellow	LF		120	200	60	50	200		345		150	90	120	220			140	60		1755
02787	Thermoplastic Pavement Marking 12-inch wide White/Yellow	LF			360	48	108			360		48		50	60						1034
02787	Thermoplastic Pavement Marking 24-inch wide White/Yellow	LF			200	12	27			200		24		12	30						505
02787	Thermoplastic Pavement Marking symbol ARROW	EA		2	4	3	1	4	2	8		3	1	2	4			4			38
02787	Thermoplastic Pavement Marking Elongated Word ONLY	EA		1	3			1		2		1	1	1	1			2			13
02582	4-Inch Pole all style with foundation	EA			5					4											9
02582/02465	40-foot Mast arm Pole Assembly	EA								1											1
02582/02465	45-foot Mast arm Pole Assembly	EA			2					1											3
02582/02465	50-foot Mast arm Pole Assembly	EA			1																1
02582/02465	55-foot Mast arm Pole Assembly	EA			1					2											3
02893	Sign Left Turn Signal R10-12 all sizes	EA			6					8											14
02893	Electrical Service Pole Assembly-70AMP(Square D breakers Included)	EA			1					1											2
02893	Remove and Salvage Existing Traffic Signal Equipment	EA			1					1											2
02893	Overhead Street Name Signs	EA			4					4											8
16710	Type A Pull Box with Gravel and Ground Rod	EA			13					13											26
16711	Conduit 2-inch Sch 80 PVC Trench	LF			1250					1250											2500
16711	Conduit 3-inch Sch 80 PVC Trench	LF			30					30											60
16711	Conduit 4-inch Sch 80 PVC Trench	LF			30					30											60
16711	Conduit 4-inch Sch 80 PVC Bore	LF			300					300											600
16715	3-Section Vehicle signal Head assembly	EA			12					12											24
16715	3-Section Vehicle signal Head assembly(All Arrows)	EA			6					8											14
16716	Pedestrian Push Button Assembly, Left, Right or Both Arrows	EA			8					8											16
16719	Pedestrian Push Button Head Assembly (Symbolic) Countdown	EA			8					8											16
16720	2/C#14 Shielded Cable	LF			3650					3720											7370
16720	3/C#14AWG Solid Cable	LF			775					820											1595
16720	5/C#14AWG Solid Cable	LF			855					900											1755
16720	7/C#14AWG Solid Cable	LF			2600					2680											5280
16720	#2 XHHW Service Wire	LF			50					50											100
16720	#8 AWG Bare Solid Wire	LF			900					900											1800
16724	Emergency Vehicle Preemption System	EA			1					1											2
16727	Loop Detector Sawcut With Loop Wire	LF			900																900
16730	ITS Controller Cabinet Assembly (Model 340) (Type 2070L)	EA			1					1											2
16750	Accessories: Push Button Station(Central Control Unit, Eight Push Button Station)	EA			1					1											2
1555	Install Low Profile Conc. Barrier	LF	650	900	900	900	900	900	900	900	900	900	900	900	900	150	150	150	150		12700
1555	Relocate Low Profile Conc. Barrier	LF	600	800	800	800	800	800	800	800	800	800	800	800	800	100	300	300	300		11600
1555	Remove Low Profile Conc. Barrier	LF	650	900	900	900	900	900	900	900	900	900	900	900	900	150	150	150	150		12700
02741	Apply Asphalt Concrete Pavement for detour/Roadway and shoulder	SY		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		1600
16713	Preformed Loop Detectors	EA			10					20											30
1554	Traffic Control and Street Signs (New)	EA	1	1	2	1		2		1		2	1	2	1						17

MATCH LINE STATION 49+50.00

MATCH LINE STATION 54+00.00



**LEGEND**

- (A) CONC. PVMT (JRPC) (10")
- (B) CONC. CURB (6")
- (C) PAVEMENT 6" CONC.
- (D) BLOCK SODDING
- (E) HYDRAMULCH
- (F) LIME TREATED SUBGRADE (6")
- (G) CURB & GUTTER
- (H) LIME TREATED SUBGRADE (8")
- (I) 6" HOT MIX ASPHALT BASE
- (J) HMAC (1 1/2")
- (K) CONC. SIDEWALK 5'
- (L) RIP-RAP CONC CLASS B (4")
- (M) PAVEMENT HEADER
- (N) CRUSHED CONCRETE BASE (18")
- (O) TYPICAL SECTION NO.
- ➔ DIRECTION OF TRAFFIC FLOW (PROPOSED LANE)
- ➔ EXISTING LANE

- NOTES:**
- ALL DRIVEWAY STATION & OFFSETS ARE LOCATED ON DRIVEWAY CALCULATION SHEETS
  - ALL DIMENSIONS ARE TO FACE TO FACE OF CURB UNLESS OTHERWISE NOTED.
  - SEE HORIZONTAL ALIGNMENT DATA SHEETS FOR ALL BASELINE AND CURVE DATA.
  - FOR SEEDING AND SODDING LIMITS, SEE TYPICAL SECTIONS.
  - FOR SIDEWALK AND ESPLANADE DETAILS SEE PAVEMENT DETAILS.
  - LIMITS OF HIGH EARLY STRENGTH CONCRETE PAVEMENT

**BENCHMARK:**  
CITY OF HOUSTON MONUMENT 5354/1016 A STANDARD BRASS DISK LOCATED AT SOUTHEAST CORNER OF OLD SPANISH TRAIL AND ALAMEDA ROAD INTERSECTION.  
ELEVATION=43.96 FEET (NAVD88, GEOID 09, GPS OBS\*)  
\* OBSERVED BY GPS SURVEYING AND PROCESSED IN REFERENCE TO THE CORS DATED JUNE 10, 2011

**TEMPORARY BENCHMARKS**  
T.B.M. B-21  
SET 5/18" I.R. W/CAP LOCATED ALONG THE CENTERLINE AND ON THE NOSE OF MEDIAN OF ALMEDA AT DIXIE DR.  
CL STA. 53+55.57, 0.88' RT.  
ELEV.=40.34'

- ALL HIGH EARLY STRENGTH CONCRETE AREAS SHALL:
- BE COMPACTED SUBGRADE PER APPLICABLE CITY OF HOUSTON SPECIFICATIONS
  - PROVIDE REINFORCING STEEL PER CITY OF HOUSTON SPECIFICATIONS AND STANDARDS
  - PROVIDE 13" JOINTED HIGH EARLY STRENGTH CONCRETE SLAB
  - PROVIDE EXPANSION JOINTS AT MAXIMUM 50' SPACING

**NOTE:**  
The location of existing underground utilities are shown in an approximate way only. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-669-8344 and the City of Houston Department of Public Works and engineering at 832-394-9098 a minimum of two working days prior to construction to field locate utilities. The contractor shall determine the exact location of all existing utilities before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by his failure to exactly locate and preserve any and all underground utilities.

**CAUTION: UNDERGROUND GAS FACILITIES**  
Locations of CenterPoint Energy main lines (to include CenterPoint Energy, Intralate Pipeline Inc. when applicable) are shown in an approximate location only. Service lines are usually not shown. Our signature on these plans only indicates that our facilities are shown in approximate location. It does not imply that a conflict analysis has been made. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-669-8344 a minimum of 48 hours prior to construction to have main and service lines field located.  
\* When Center Point Energy pipe line markings are not visible, call 713-967-8037 (7:00 am to 4:30 pm). For status of line location request before excavation begins.  
\* When excavating within eighteen inches (18") of the indicated location of Center Point Energy facilities, all excavation must be accomplished using non-mechanized excavation procedures.  
\* When Center Point Energy facilities are exposed, sufficient support must be provided to the facilities to prevent excessive stress on the piping.  
The contractor is fully responsible for any damages caused by the contractor's failure to exactly locate and preserve these underground facilities.

**WARNING: OVERHEAD ELECTRICAL FACILITIES**  
Overhead lines may exist on the property. We have not attempted to mark these lines since they are clearly visible, but you should locate them prior to beginning any construction. Texas law, Section 752, Health and Safety Code, forbids all activities in which persons or things may come within six (6) feet of live overhead high voltage lines. Parties responsible for the work, including contractors, are legally responsible for the safety of construction workers under this law. This carries both criminal and civil liability. To arrange for lines to be turned off or removed call CenterPoint Energy at 713-207-2222. Revised 2008

**WARNING: AT&T TEXAS/SWBT FACILITIES**  
The locations of AT&T Texas/SWBT facilities are shown in an approximate way only. The contractor shall determine the exact location before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by failure to exactly locate and preserve these underground utilities.  
The contractor shall call 1-800-344-8377 a minimum of 48 hours prior to construction to have underground lines field located.  
When excavating within eighteen inches (18") of the indicated location of AT&T Texas/SWBT facilities, all excavation must be accomplished using non-mechanized excavation procedures. When boring, the contractor shall expose the AT&T Texas/SWBT facilities.  
When AT&T Texas/SWBT facilities are exposed, the contractor will provide support to prevent damage to the conduit ducts or cables. When excavating near telephone poles the contractor shall brace the pole for support.  
The presence or absence of AT&T Texas/SWBT underground conduit facilities does not mean that there are no direct buried cables in the area. Follow the Direct Buried Cable Procedure to locate the AT&T Texas/SWBT buried cables as indicated in the AT&T Texas Research and Signature Process for AT&T Texas/SWBT facilities.  
Please contact the AT&T Texas Damage Prevention Manager Mr. Roosevelt Lee Jr. at 713-567-4622 or email him at rlee@att.com, if there are questions about boring or excavating near our AT&T Texas/SWBT facilities.

NO.	DATE	REVISIONS	APP.
1	05-13-15	ADDENDUM 2	
2	05-29-15	ADDENDUM 4	

Addendum 4

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Texas Department of Transportation

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT AT 713-207-2222	
<b>PRIVATE UTILITY LINES SHOWN</b> AT LEAST 48 HOURS BEFORE EXCAVATING IN STREET R.O.W. OR EASEMENTS CALL THE LONE STAR NOTIFICATION 713-223-4567.	
Date:	
CenterPoint Energy/Electric Facilities SIGNATURE: [Signature] (ELECTRIC LINES ARE PROPERLY SHOWN, NO APPROVAL FOR CONSTRUCTION IS GIVEN)	
Date:	
Approved for SBC underground conduit facilities only. Signature valid for one year.	
Date:	
CenterPoint Energy/Gas Facilities/ENTEX INCORPORATED (Gas service lines are not shown)	
CABLE COMPANY	
<b>WALTER P MOORE</b> WALTER P. MOORE AND ASSOCIATES, INC. 1301 MCINNIS, SUITE 1100 HOUSTON, TEXAS 77019 PHONE: 713.830.7300 FAX: 713.830.7398 TXPE FIRM REGISTRATION NUMBER 1856	

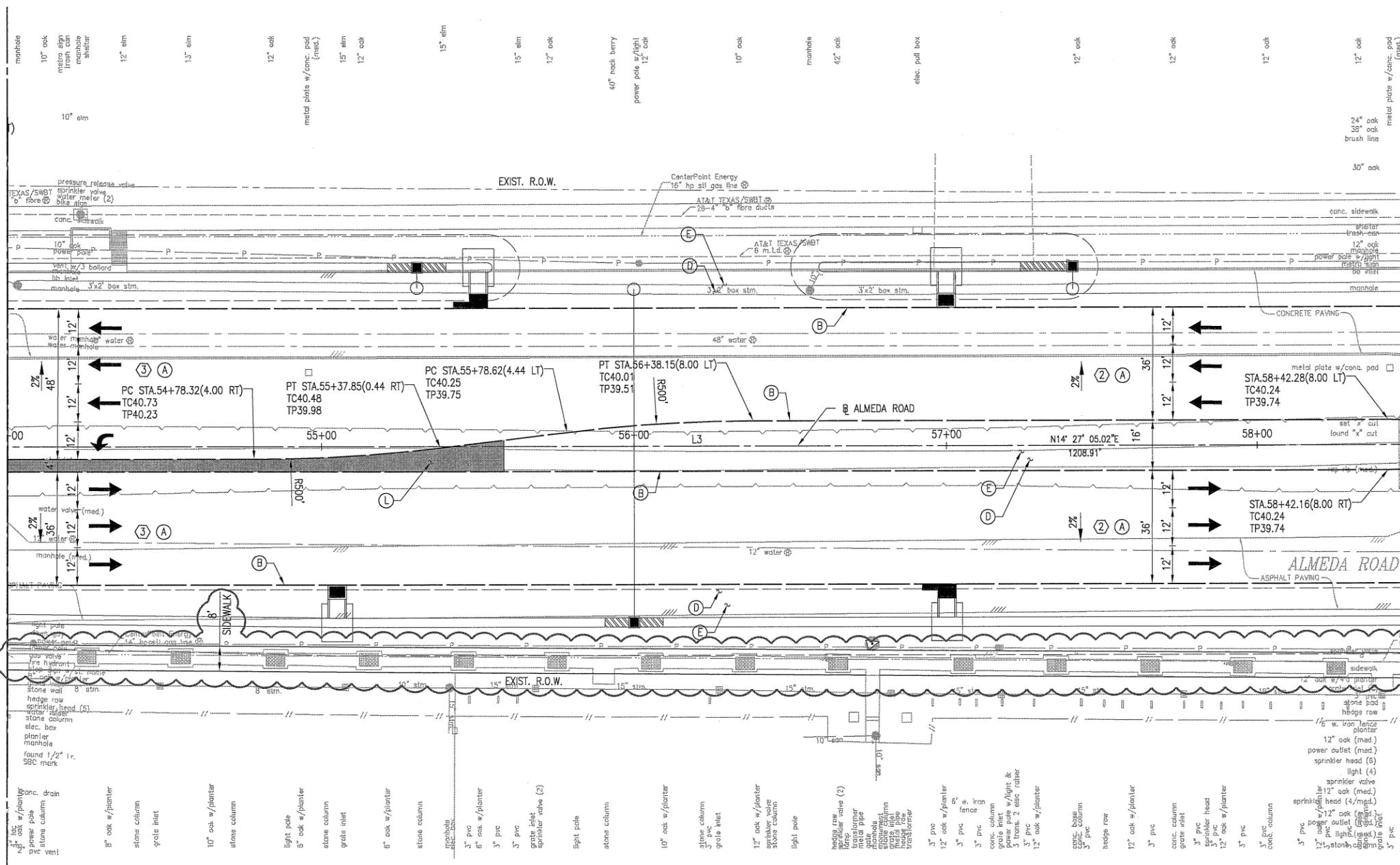
<b>CITY OF HOUSTON</b> DEPARTMENT OF PUBLIC WORKS AND ENGINEERING	
<b>ALMEDA ROAD FROM OLD SPANISH TRAIL TO S. MACGREGOR WAY PLAN STA. 49+50 TO STA. 54+00</b>	
WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
N-000806-0001-4	
DRAWING SCALE	
VERT: AS NOTED	
HORIZ: AS NOTED	
CITY OF HOUSTON PM	
MICHELE RANDON, P.E.	
SHEET NO. 63 OF 271	

PLAN

SEE SHEET 64 FOR PROFILE VIEW

MATCH LINE STATION 54+00.00

MATCH LINE STATION 58+50.00



### PLAN

SEE SHEET 66 FOR PROFILE VIEW

**LEGEND**

- (A) CONC. PAVT (JRPC) (10")
- (B) CONC. CURB (6")
- (C) PAVEMENT 6" CONC.
- (D) BLOCK SODDING
- (E) HYDROMULCH
- (F) LIME TREATED SUBGRADE (6")
- (G) CURB & GUTTER
- (H) LIME TREATED SUBGRADE (8")
- (I) 6" HOT MIX ASPHALT BASE
- (J) HMAC (1 1/2")
- (K) CONC. SIDEWALK 5"
- (L) RIP-RAP CONC CLASS B (4")
- (M) PAVEMENT HEADER
- (N) CRUSHED CONCRETE BASE (18")
- (O) TYPICAL SECTION NO.

→ DIRECTION OF TRAFFIC FLOW (PROPOSED LANE)

⇨ EXISTING LANE

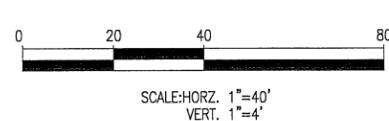
- NOTES:**
- ALL DRIVEWAY STATION & OFFSETS ARE LOCATED ON DRIVEWAY CALCULATION SHEETS
  - ALL DIMENSIONS ARE TO FACE TO FACE OF CURB UNLESS OTHERWISE NOTED.
  - SEE HORIZONTAL ALIGNMENT DATA SHEETS FOR ALL BASELINE AND CURVE DATA.
  - FOR SEEDING AND SODDING LIMITS, SEE TYPICAL SECTIONS.
  - FOR SIDEWALK AND ESPLANADE DETAILS SEE PAVEMENT DETAILS.

**BENCHMARK:**  
 CITY OF HOUSTON MONUMENT 5354/016 A STANDARD BRASS DISK, LOCATED AT SOUTHEAST CORNER OF OLD SPANISH TRAIL AND ALMEDA ROAD INTERSECTION.  
 ELEVATION=43.96 FEET (NAVD88, GEOID 09, GPS OBS\*)  
 \* OBSERVED BY GPS SURVEYING AND PROCESSED IN REFERENCE TO THE CORRS DATED JUNE 10, 2011

**CAUTION: UNDERGROUND GAS FACILITIES**  
 Locations of CenterPoint Energy main lines (to include CenterPoint Energy Intrastate Pipeline Inc. when applicable) are shown in an approximate location only. Service lines are usually not shown. Our signatures on these plans only indicate that our facilities are shown in approximate location. It does not imply that a conflict analysis has been made. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-689-8344 a minimum of 48 hours prior to construction to have main and service lines field located.  
 \* When CenterPoint Energy pipe line markings are not visible, call 713-967-6037 (7:00 am to 4:30 pm). For status of line location request before excavation begins.  
 \* When excavating within eighteen inches (18") of the indicated location of CenterPoint Energy facilities, all excavation must be accomplished using non-mechanized excavation procedures.  
 \* When CenterPoint Energy facilities are exposed, sufficient support must be provided to the facilities to prevent excessive stresses on the piping.  
 The contractor is fully responsible for any damages caused by the contractor's failure to exactly locate and preserve these underground facilities.

**WARNING: OVERHEAD ELECTRICAL FACILITIES**  
 Overhead lines may exist on the property. We have not attempted to mark those lines since they are clearly visible, but you should locate them prior to beginning any construction. Texas law, Section 752, Health and Safety Code, forbids all activities in which persons or things may come within six (6) feet of live overhead high voltage lines. Parties responsible for the work, including contractors, are legally responsible for the safety of construction workers under this law. This carries both criminal and civil liability. To arrange for lines to be turned off or removed call CenterPoint Energy at 713-207-2222. Revised 2008

**WARNING: AT&T TEXAS/SWBT FACILITIES**  
 The locations of AT&T Texas/SWBT facilities are shown in an approximate way only. The contractor shall determine the exact location before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by failure to exactly locate and preserve these underground utilities.  
 The contractor shall call 1-800-344-8377 a minimum of 48 hours prior to construction to have underground lines field located.  
 When excavating within eighteen inches (18") of the indicated location of AT&T Texas/SWBT facilities, all excavations must be accomplished using non-mechanized excavation procedures. When boring, the contractor shall expose the AT&T Texas/SWBT facilities.  
 When AT&T Texas/SWBT facilities are exposed, the contractor will provide support to prevent damage to the conduit ducts or cables. When excavating near telephone poles the contractor shall brace the pole for support.  
 The presence or absence of AT&T Texas/SWBT underground conduit facilities does not mean that there are no direct buried cables in the area. Follow the Direct Buried Cable Procedure to locate the AT&T Texas/SWBT buried cables as indicated in the AT&T Texas Research and Signature Process for AT&T Texas/SWBT facilities.  
 Please contact the AT&T Texas Damage Prevention Manager Mr. Roosevelt Lee Jr. at 713-587-4552 or email him at rlee@att.com if there are questions about boring or excavating near our AT&T Texas/SWBT facilities.



**NOTE:**  
 The location of existing underground utilities are shown in an approximate way only. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-689-8344 and the City of Houston Department of Public Works and engineering at 832-394-9098 a minimum of two working days prior to construction to field locate utilities. The contractor shall determine the exact location of all existing utilities before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by his failure to exactly locate and preserve any and all underground utilities.

NO.	DATE	REVISIONS	APP.
1	05-29-15	ADDENDUM 4	

**Addendum 4**

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 Texas Department of Transportation

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT AT 713-207-2222

**PRIVATE UTILITY LINES SHOWN**  
 AT LEAST 48 HOURS BEFORE EXCAVATING IN STREET R.O.W. OR EASEMENTS CALL THE LONE STAR NOTIFICATION 713-223-4567.

Date: \_\_\_\_\_

CenterPoint Energy/Electric Facilities  
 SIGNATURE AND/OR ELECTRIC LINES ARE PROPERLY SHOWN. NO APPROVAL FOR CONSTRUCTION IS GIVEN.

Date: \_\_\_\_\_

Approved for SBC underground conduit facilities only.  
 Signature valid for one year.

Date: \_\_\_\_\_

CenterPoint Energy/Gas Facilities/ENTEX INCORPORATED  
 (Gas service lines are not shown)

**WALTER P MOORE**  
 WALTER P. MOORE AND ASSOCIATES, INC.  
 1901 BARKINGWAY, SUITE 1100  
 HOUSTON, TEXAS 77019  
 PHONE: 713.630.7300 FAX: 713.630.7306  
 TBPE FIRM REGISTRATION NUMBER 1858

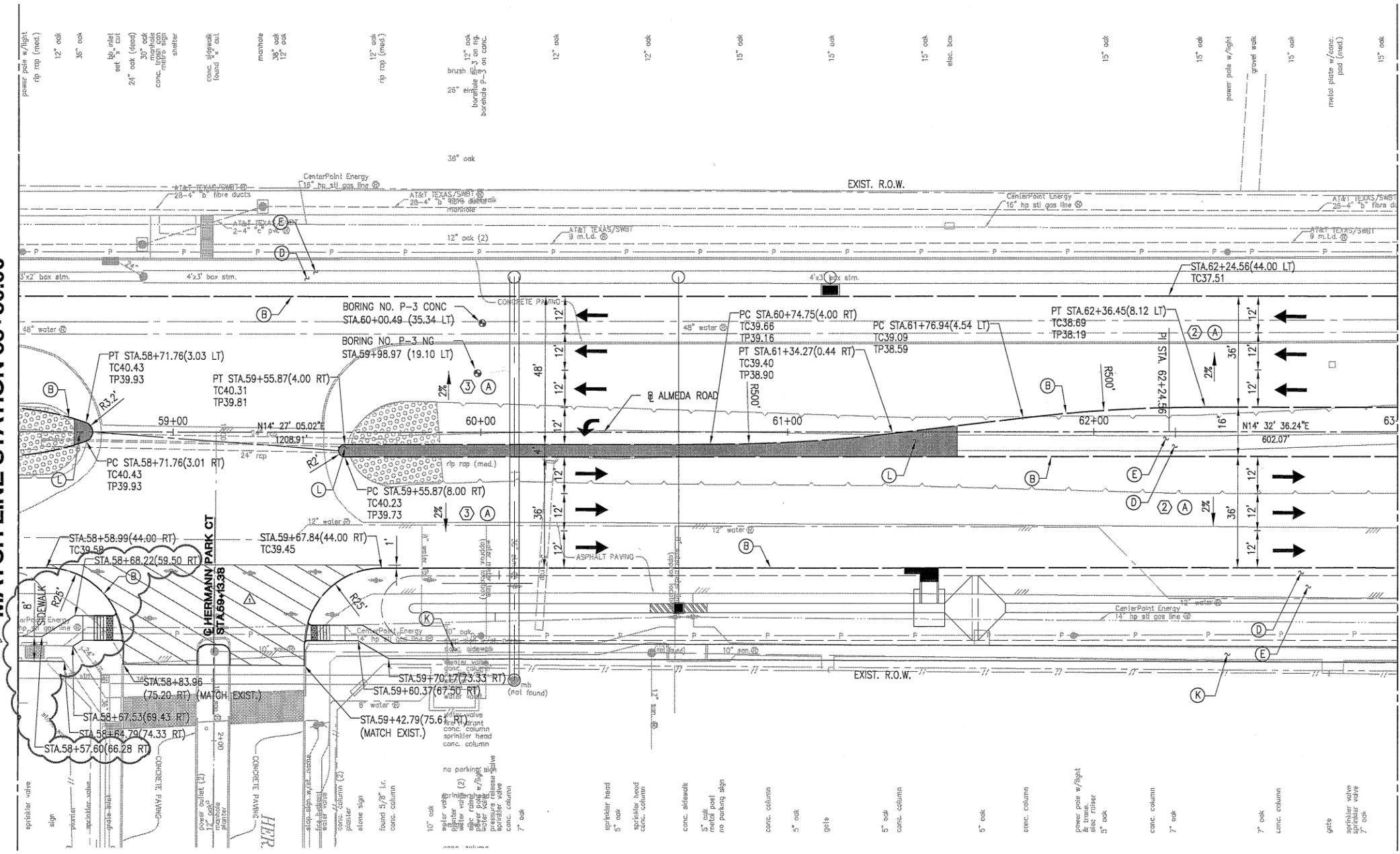
**CITY OF HOUSTON**  
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

**ALMEDA ROAD FROM  
 OLD SPANISH TRAIL TO S.  
 MACGREGOR WAY  
 PLAN  
 STA. 54+00 TO STA. 58+50**

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
N-000806-0001-4	
DRAWING SCALE	
VERT: AS NOTED	
HORIZ: AS NOTED	
CITY OF HOUSTON PM	
MICHELLE RANDON, P.E.	
SHEET NO. 65 OF 271	

MATCH LINE STATION 58+50.00

MATCH LINE STATION 63+00.00



PLAN

SEE SHEET 68 FOR PROFILE VIEW

**BENCHMARK:**  
CITY OF HOUSTON MONUMENT 5354/1016 A STANDARD BRASS DISK LOCATED AT SOUTHEAST CORNER OF OLD SPANISH TRAIL AND ALAMEDA ROAD INTERSECTION.  
ELEVATION=43.96 FEET (NAVD88, GEDD 08, GPS OBS\*)  
\* OBSERVED BY GPS SURVEYING AND PROCESSED IN REFERENCE TO THE CORS DATED JUNE 10, 2011  
**TEMPORARY BENCHMARKS**  
T.B.M. B-24  
SET 7" X 7" CUT IN CONCRETE LOCATED AT THE CENTERLINE OF ALAMEDA ROAD AT HERMANN PARK CT.  
CL STA. 58+79.23, 2.94' LT.  
ELEV.=38.60'

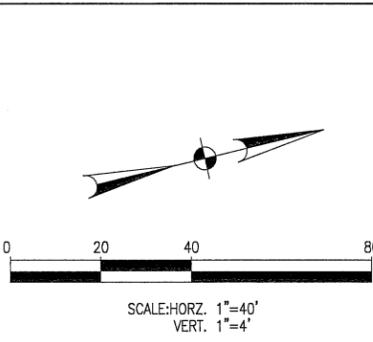
- ALL HIGH EARLY STRENGTH CONCRETE AREAS SHALL:
1. BE COMPACTED SUBGRADE PER APPLICABLE CITY OF HOUSTON SPECIFICATIONS
  2. PROVIDE REINFORCING STEEL PER CITY OF HOUSTON SPECIFICATIONS AND STANDARDS
  3. PROVIDE 13" JOINTED HIGH EARLY STRENGTH CONCRETE SLAB
  4. PROVIDE EXPANSION JOINTS AT MAXIMUM 50' SPACING

**LEGEND**

- (A) CONC. PAVT (JRPC) (10")
- (B) CONC. CURB (6")
- (C) PAVEMENT 6" CONC.
- (D) BLOCK SODDING
- (E) HYDROMULCH
- (F) LIME TREATED SUBGRADE (6")
- (G) CURB & GUTTER
- (H) LIME TREATED SUBGRADE (8")
- (I) 6" HOT MIX ASPHALT BASE
- (J) HMAC (1 1/2")
- (K) CONC. SIDEWALK 5'
- (L) RIP-RAP CONC CLASS B (4")
- (M) PAVEMENT HEADER
- (N) CRUSHED CONCRETE BASE (18")
- (O) TYPICAL SECTION NO.

→ DIRECTION OF TRAFFIC FLOW (PROPOSED LANE)  
⇨ EXISTING LANE

- NOTES:**
1. ALL DRIVEWAY STATION & OFFSETS ARE LOCATED ON DRIVEWAY CALCULATION SHEETS
  2. ALL DIMENSIONS ARE TO FACE TO FACE OF CURB UNLESS OTHERWISE NOTED.
  3. SEE HORIZONTAL ALIGNMENT DATA SHEETS FOR ALL BASELINE AND CURVE DATA.
  4. FOR SEEDING AND SODDING LIMITS, SEE TYPICAL SECTIONS.
  5. FOR SIDEWALK AND ESPLANADE DETAILS SEE PAVEMENT DETAILS.
  6. LIMITS OF HIGH EARLY STRENGTH CONCRETE PAVEMENT



**NOTE:**  
The location of existing underground utilities are shown in an approximate way only. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-669-8344 and the City of Houston Department of Public Works and Engineering at 832-394-9098 a minimum of two working days prior to construction to field locate utilities. The contractor shall determine the exact location of all existing utilities before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by his failure to exactly locate and preserve any and all underground utilities.

**CAUTION: UNDERGROUND GAS FACILITIES**  
Locations of CenterPoint Energy main lines (to include CenterPoint Energy, Intrastate Pipeline Inc. where applicable) are shown in an approximate location only. Service lines are usually not shown. Our signatures on these plans only indicate that our facilities are shown in approximate location. It does not imply that a conflict analysis has been made. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-669-8344 a minimum of 48 hours prior to construction to have main and service lines field located.

- When Center Point Energy pipe line markings are not visible, call 713-967-8037 (700 am to 4:30 pm). For status of line location request before excavation begins.
- When excavating within eighteen inches (18") of the indicated location of Center Point Energy facilities, all excavation must be accomplished using non-mechanized excavation procedures.
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**WARNING: AT&T TEXAS/SWBT FACILITIES**  
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Please contact the AT&T Texas Damage Prevention Manager Mr. Roosevelt Lee Jr. at 713-567-4532 or email him at r729@att.com if there are questions about boring or excavating near our AT&T Texas/SWBT facilities.

NO.	DATE	REVISIONS	APP.
1	05-13-15	ADDENDUM 2	
2	05-29-15	ADDENDUM 4	

**Addendum 4**

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**Texas Department of Transportation**

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT AT 713-207-2222

**PRIVATE UTILITY LINES SHOWN**  
AT LEAST 48 HOURS BEFORE EXCAVATING IN STREET R.O.W. OR EASEMENTS CALL THE LONE STAR NOTIFICATION 713-223-4567.

Date: \_\_\_\_\_

CenterPoint Energy/Electric Facilities  
THE PRESENCE OF UNDERGROUND ELECTRIC LINES ARE PROPERLY SHOWN. NO APPROVAL FOR CONSTRUCTION IS GIVEN.

Date: \_\_\_\_\_

Approved for SBC underground conduit facilities only.  
Signature valid for one year.

Date: \_\_\_\_\_

CenterPoint Energy/Gas Facilities/ENTEX INCORPORATED  
(Gas service lines are not shown)

CABLE COMPANY

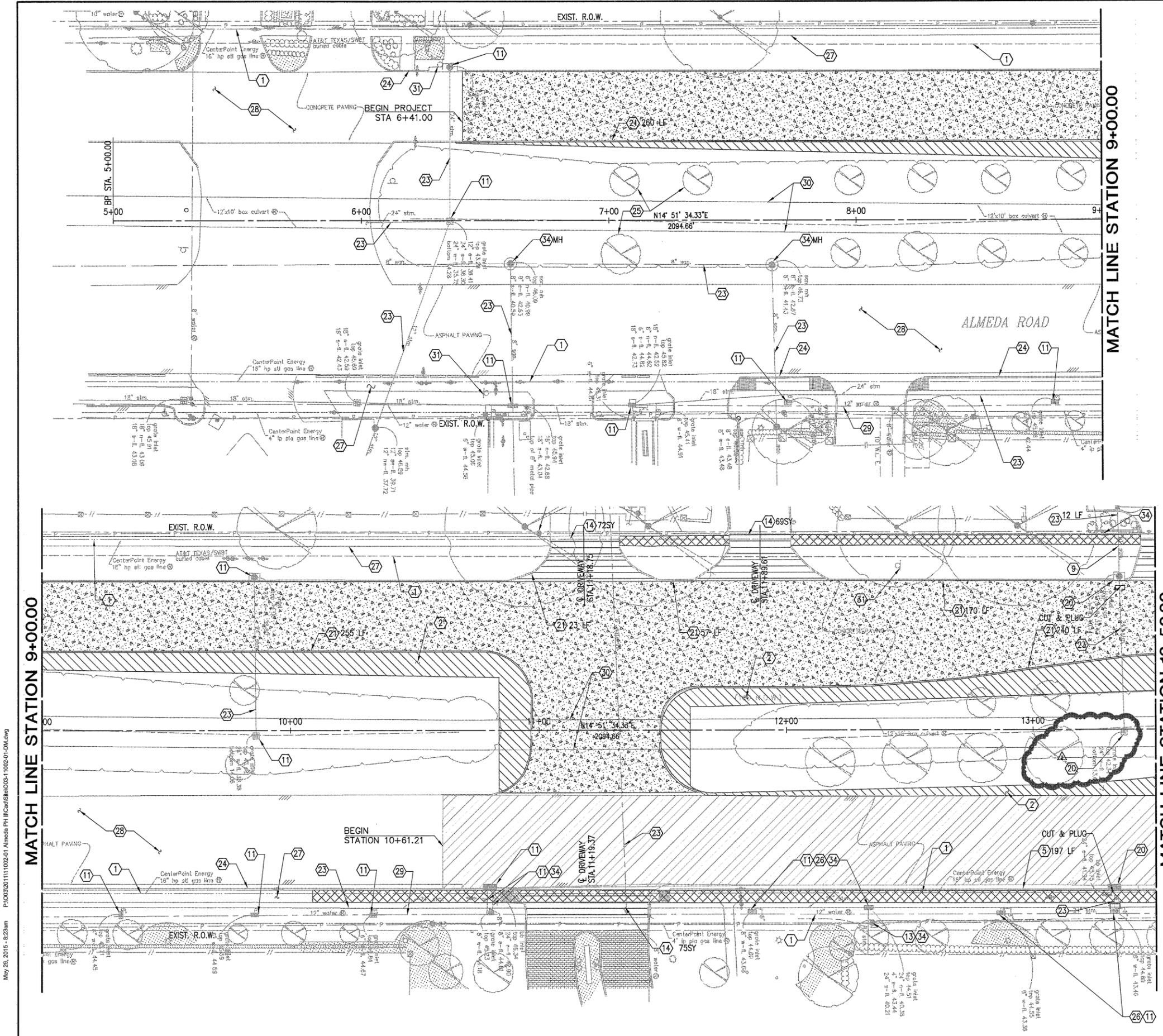
**WALTER P MOORE**  
WALTER P. MOORE AND ASSOCIATES, INC.  
1301 MCKINNEY, SUITE 1100  
HOUSTON, TEXAS 77010  
PHONE: 713.830.7300 FAX: 713.830.7398  
TBPB FIRM REGISTRATION NUMBER 1858

**THELITHA SILVA**  
 LICENSED PROFESSIONAL ENGINEER  
 STATE OF TEXAS  
 LICENSE NO. 82988  
 5/29/15

**CITY OF HOUSTON**  
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

**ALMEDA ROAD FROM  
OLD SPANISH TRAIL TO S.  
MACGREGOR WAY  
PLAN  
STA. 58+50 TO STA. 63+00**

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
N-000806-0001-4	
DRAWING SCALE	
VERT: AS NOTED HORZ: AS NOTED	
CITY OF HOUSTON PM	
MICHELLE RANDON, P.E.	
SHEET NO. 67 OF 271	



MATCH LINE STATION 9+00.00

- DEMOLITION LEGEND**
- ////// PAVEMENT SAWCUT (FULL DEPTH)
  - ① EXIST. UTILITIES TO REMAIN
  - ② REMOVE SODDED AREA
  - ③ REMOVE EXIST. SANITARY SEWER
  - ④ CUT OR PLUG AND ABANDONED
  - ⑤ REMOVE CONCRETE (CURB & GUTTER)
  - ⑥ REMOVE CONCRETE (PAV) (SEE NOTE #3)
  - ⑦ ADJUST EXIST. MANHOLE
  - ⑧ REMOVE EXIST. SANITARY SEWER (MANHOLE)
  - ⑨ REMOVE STRUCTURE (PIPE)
  - ⑩ REMOVE CONCRETE (SIDEWALKS)
  - ⑪ EXIST. STORM TO REMAIN (INLET)
  - ⑫ REMOVE RIPRAP
  - ⑬ EXIST. POWER LINE (SEE NOTE #2)
  - ⑭ REMOVE CONC. DRIVEWAY (SEE NOTE #3)
  - ⑮ EXIST. SIGNS TO BE REMOVED/RELOCATED
  - ⑯ REMOVE AND SALVAGE EXIST. FIRE HYDRANTS
  - ⑰ REMOVE EXIST. HEADWALL
  - ⑱ REMOVE STORM (MANHOLE)
  - ⑲ REMOVE STABILIZED BASE AND ASPHALT PAVING (2" TO 18") (SEE NOTE #3)
  - ⑳ REMOVE STRUCTURE (INLET)
  - ㉑ REMOVE CONCRETE (CURB)
  - ㉒ SALVAGING, HAULING AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT
  - ㉓ EXIST. STORM TO REMAIN (PIPE)
  - ㉔ EXIST. CONCRETE CURB TO REMAIN
  - ㉕ SEE TREE PLAN FOR TREE PROTECTION & REMOVAL (TYP.)
  - ㉖ ADJUST INLET TOP TO NEW GRADE
  - ㉗ EXIST. SIDEWALK TO REMAIN
  - ㉘ EXIST. PAVEMENT TO REMAIN
  - ㉙ EXIST. WATERLINE TO REMAIN
  - ㉚ EXIST. STRUCTURE TO REMAIN (BOX CULVERT)
  - ㉛ EXIST. STREET SIGN TO REMAIN
  - ㉜ REMOVE SIDEWALK RAMP
  - ㉝ RELOCATE EXIST. TRAFFIC SIGNAL/POLE
  - ㉞ PROTECT IN PLACE
  - ㉟ RELOCATE BUS STOP
  - ㊱ ADJUST EXIST. WATER METER & BOX TO GRADE
  - ㊲ RELOCATE EXIST. TELEPHONE BOX
  - ㊳ REMOVE ISLAND
  - ㊴ REMOVE PEDESTRIAN LIGHT
  - ㊵ REMOVE TRAFFIC SIGNAL BOX/SENSOR BOX
  - ㊶ REMOVE EXIST FENCE
  - ㊷ REMOVE ELECTRICAL PULL BOX
  - ㊸ REMOVE STRUCTURE (BOX CULVERT)
  - ㊹ ADJUST ELECTRICAL PULL BOX TO GRADE
  - ㊺ ADJUST EXIST. MANHOLE (BY OTHERS)
  - ㊻ ADJUST EXIST. VALVE TO GRADE

**NOTE:**  
The location of existing underground utilities are shown in an approximate way only. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-669-8344 and the City of Houston Department of Public Works and Engineering at 832-394-9098 a minimum of two working days prior to construction to field locate utilities. The contractor shall determine the exact location of all existing utilities before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by his failure to exactly locate and preserve any and all underground utilities.

**CAUTION: UNDERGROUND GAS FACILITIES**  
Locations of CenterPoint Energy main lines (to include CenterPoint Energy, Intrastate Pipeline Inc. where applicable) are shown in an approximate location only. Service lines are usually not shown. Our signature on these plans only indicates that our facilities are shown in approximate location. It does not imply that a conflict analysis has been made. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-669-8344 a minimum of 48 hours prior to construction to have main and service lines field located.  
\* When Center Point Energy pipe line markings are not visible, call 713-967-8037 (700 am to 4:30 pm). For status of the location request before excavation begins.  
\* When excavating within eighteen inches (18") of the indicated location of Center Point Energy facilities, all excavation must be accomplished using non-mechanized excavation procedures.  
\* When Center Point Energy facilities are exposed, sufficient support must be provided to the facilities to prevent excessive stress on the piping.  
The contractor is fully responsible for any damages caused by the contractor's failure to exactly locate and preserve these underground facilities.

**WARNING: OVERHEAD ELECTRICAL FACILITIES**  
Overhead lines may exist on the property. We have not attempted to mark those lines since they are clearly visible, but you should locate them prior to beginning any construction. Texas law, Section 752, Health and Safety code, forbids all activities in which persons or things may come within six (6) feet of live overhead high voltage lines. Parties responsible for the work, including contractors, are legally responsible for the safety of construction workers under this law. This carries both criminal and civil liability. To arrange for lines to be turned off or removed call CenterPoint Energy at 713-207-2222. Revised 2008

**WARNING: AT&T TEXAS/SWBT FACILITIES**  
The locations of AT&T Texas/SWBT facilities are shown in an approximate way only. The contractor shall determine the exact location before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by failure to exactly locate and preserve these underground utilities.  
The contractor shall call 1-800-344-6377 a minimum of 48 hours prior to construction to have underground lines field located.  
When excavating within eighteen inches (18") of the indicated location of AT&T Texas/SWBT facilities, all excavations must be accomplished using non-mechanized excavation procedures. When boring the contractor shall expose the AT&T Texas/SWBT facilities.  
When AT&T Texas/SWBT facilities are exposed, the contractor will provide support to prevent damage to the conduit ducts or cables. When excavating near telephone poles the contractor shall brace the pole for support.  
The presence or absence of AT&T Texas/SWBT underground conduit facilities does not mean that there are no direct buried cables in the area. Follow the Direct Buried Cable Procedure to locate the AT&T Texas/SWBT buried cables as indicated in the AT&T Texas Research and Signature Process for AT&T Texas/SWBT facilities.  
Please contact the AT&T Texas Damage Prevention Manager Mr. Roosevelt Lee Jr. at 713-567-4522 or email him at 4729@att.com if there are questions about boring or excavating near our AT&T Texas/SWBT facilities.

05-29-14	ADDENDUM 4	
NO.	DATE	REVISIONS

Addendum 4

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Texas Department of Transportation

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT AT 713-207-2222

**PRIVATE UTILITY LINES SHOWN**  
AT LEAST 48 HOURS BEFORE EXCAVATING IN STREET R.O.W. OR EASEMENTS CALL THE LINE STAR NOTIFICATION 713-223-4567.

Date: \_\_\_\_\_

CenterPoint Energy/Electric Facilities  
SIGNATURE INDICATES UNDERGROUND ELECTRIC LINES ARE PROPERLY SHOWN. NO APPROVAL FOR CONSTRUCTION IS GIVEN.

Date: \_\_\_\_\_

Approved for SBC underground conduit facilities only.  
Signature valid for one year.

Date: \_\_\_\_\_

CenterPoint Energy/Gas Facilities/ENTEX INCORPORATED  
(Gas service lines are not shown)

**WALTER P MOORE**  
WALTER P. MOORE AND ASSOCIATES, INC.  
1901 MCKINNEY, SUITE 1100  
HOUSTON, TEXAS 77010  
PHONE: 713.630.7300 FAX: 713.630.7398  
TYPE FIRM REGISTRATION NUMBER 1856

STATE OF TEXAS  
THURSTON SILVA  
82888  
C.E.N.  
5/29/14

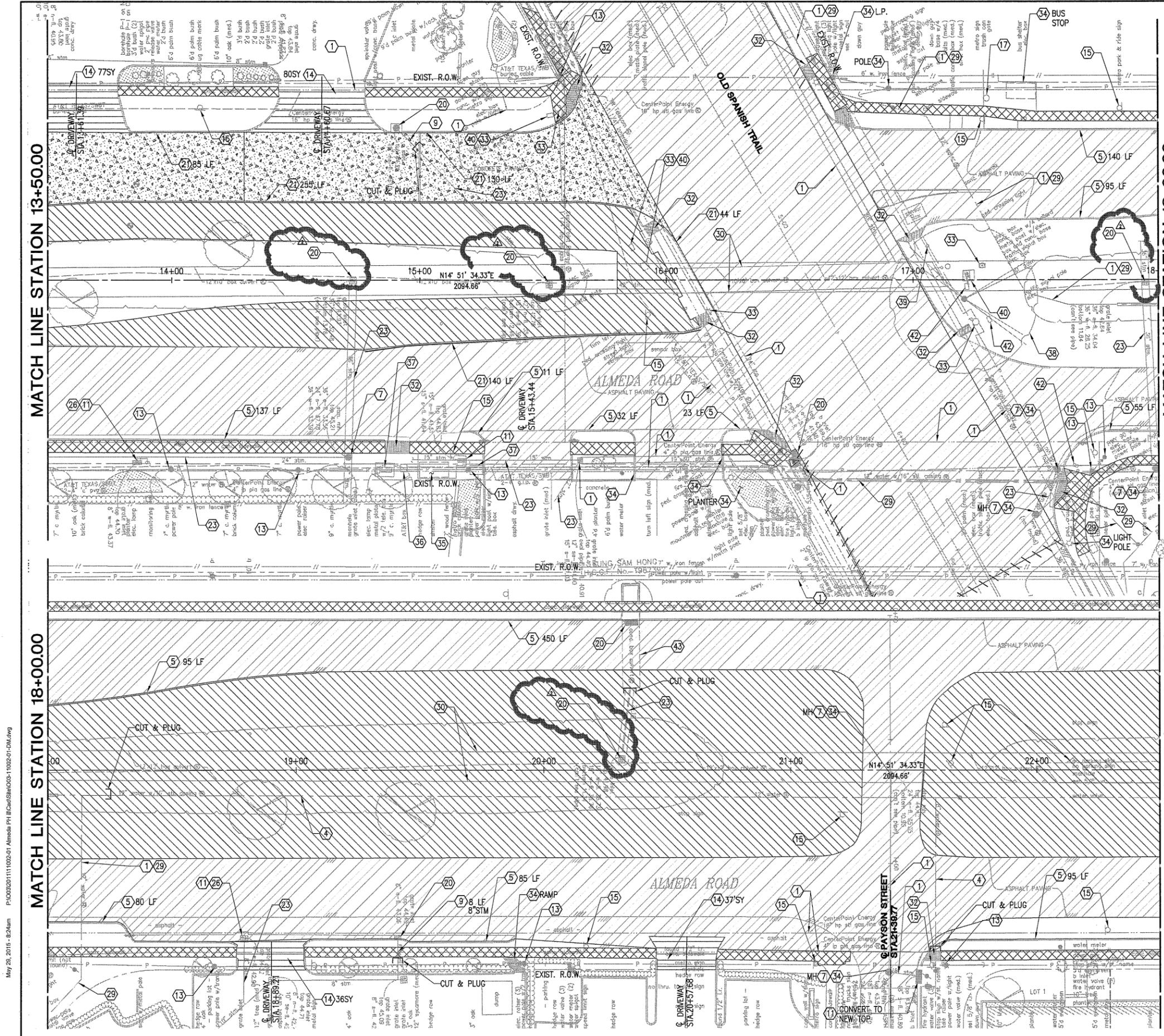
SCALE: HORIZ. 1"=20'

**CITY OF HOUSTON**  
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

**ALMEDA ROAD FROM  
OLD SPANISH TRAIL TO S.  
MACGREGOR WAY  
DEMOLITION PLAN  
BEGIN STA. TO STA. 13+50**

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
N-000806-0001-4	
DRAWING SCALE	
VERT: AS NOTED	
HORIZ: AS NOTED	
CITY OF HOUSTON PM	
MICHELLE RANDON, P.E.	
SHEET NO. 82 OF 271	

May 29, 2015 - 8:23am P:\03020111\1002-01 Alameda PH IICentSite\009-1002-01-DML.dwg



- DEMOLITION LEGEND**
- ////// PAVEMENT SAWCUT (FULL DEPTH)
  - ① EXIST. UTILITIES TO REMAIN
  - ② REMOVE SODDED AREA
  - ③ REMOVE EXIST. SANITARY SEWER
  - ④ CUT OR PLUG AND ABANDONED
  - ⑤ REMOVE CONCRETE (CURB & GUTTER)
  - ⑥ REMOVE CONCRETE (PAV) (SEE NOTE #3)
  - ⑦ ADJUST EXIST. MANHOLE
  - ⑧ REMOVE EXIST. SANITARY SEWER (MANHOLE)
  - ⑨ REMOVE STRUCTURE (PIPE)
  - ⑩ REMOVE CONCRETE (SIDEWALKS)
  - ⑪ EXIST. STORM TO REMAIN (INLET)
  - ⑫ REMOVE RIPRAP
  - ⑬ EXIST. POWER LINE (SEE NOTE #2)
  - ⑭ REMOVE CONC. DRIVEWAY (SEE NOTE #3)
  - ⑮ EXIST. SIGNS TO BE REMOVED/RELOCATED
  - ⑯ REMOVE AND SALVAGE EXIST. FIRE HYDRANTS
  - ⑰ REMOVE EXIST. HEADWALL
  - ⑱ REMOVE STORM (MANHOLE)
  - ⑲ REMOVE STABILIZED BASE AND ASPHALT PAVING (2" TO 18") (SEE NOTE #3)
  - ⑳ REMOVE STRUCTURE (INLET)
  - ㉑ REMOVE CONCRETE (CURB)
  - ㉒ SALVAGING, HAULING AND STOCKPILING RECLAIMABLE ASPHALT PAVEMENT
  - ㉓ EXIST. STORM TO REMAIN (PIPE)
  - ㉔ EXIST. CONCRETE CURB TO REMAIN
  - ㉕ SEE TREE PLAN FOR TREE PROTECTION & REMOVAL (TYP.)
  - ㉖ ADJUST INLET TOP TO NEW GRADE
  - ㉗ EXIST. SIDEWALK TO REMAIN
  - ㉘ EXIST. PAVEMENT TO REMAIN
  - ㉙ EXIST. WATERLINE TO REMAIN
  - ㉚ EXIST. STRUCTURE TO REMAIN (BOX CULVERT)
  - ㉛ EXIST. STREET SIGN TO REMAIN
  - ㉜ REMOVE SIDEWALK RAMP
  - ㉝ RELOCATE EXIST. TRAFFIC SIGNAL/POLE
  - ㉞ PROTECT IN PLACE
  - ㉟ RELOCATE BUS STOP
  - ㊱ ADJUST EXIST. WATER METER & BOX TO GRADE
  - ㊲ RELOCATE EXIST. TELEPHONE BOX
  - ㊳ REMOVE ISLAND
  - ㊴ REMOVE PEDESTRIAN LIGHT
  - ㊵ REMOVE TRAFFIC SIGNAL BOX/SENSOR BOX
  - ㊶ REMOVE EXIST FENCE
  - ㊷ REMOVE ELECTRICAL PULL BOX
  - ㊸ REMOVE STRUCTURE (BOX CULVERT)
  - ㊹ ADJUST ELECTRICAL PULL BOX TO GRADE
  - ㊺ ADJUST EXIST. MANHOLE (BY OTHERS)
  - ㊻ ADJUST EXIST. VALVE TO GRADE
- NOTE:**
1. FOR REMOVAL, RELOCATION & NEW TREES SEE THE TREE PLAN SHEETS.
  2. EXIST. POWER LINE TO BE RELOCATED BY CENTERPOINT ENERGY, PRIOR TO CONSTRUCTION.
  3. TYPE AND THICKNESS FOR PAVEMENT. SEE EXIST. TYP. SECTION (SHEET #18)

**NOTE:**  
The location of existing underground utilities are shown in an approximate way only. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-669-3344 and the City of Houston Department of Public Works and Engineering at 832-394-9098 a minimum of two working days prior to construction to field locate utilities. The contractor shall determine the exact location of all existing utilities before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by his failure to exactly locate and preserve any and all underground utilities.

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When CenterPoint Energy pipe line markings are not visible, call 713-967-9337 (7:00 am to 4:30 pm). For status of line location request before excavation begins.

When excavating within eighteen inches (18") of the indicated location of CenterPoint Energy facilities, all excavation must be accomplished using non-mechanized excavation procedures.

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**WARNING: AT&T TEXAS/SNET FACILITIES**  
The locations of AT&T Texas/SNET facilities are shown in an approximate way only. The contractor shall determine the exact location before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by failure to exactly locate and preserve these underground utilities.

The contractor shall call 1-800-344-8377 a minimum of 48 hours prior to construction to have underground lines field located.

When excavating within eighteen inches (18") of the indicated location of AT&T Texas/SNET facilities, all excavations must be accomplished using non-mechanized excavation procedures. When boring, the contractor shall expose the AT&T Texas/SNET facilities.

When AT&T Texas/SNET facilities are exposed, the contractor will provide support to prevent damage to the conduit ducts or cables. When excavating near telephone poles the contractor shall brace the pole for support.

The presence or absence of AT&T Texas/SNET underground conduit facilities does not mean that there are no direct buried cables in the area. Follow the Direct Buried Cable Procedure to locate the AT&T Texas/SNET buried cables as indicated in the AT&T Texas Research and Signature Process for AT&T Texas/SNET Facilities.

Please contact the AT&T Texas Damage Prevention Manager Mr. Roosevelt Lee Jr. at 713-567-4532 or email him at rlee25@att.com, if there are questions about boring or excavating near our AT&T Texas/SNET facilities.

NO.	DATE	REVISIONS	APP.
15-29-15		ADDENDUM 4	

## Addendum 4

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Texas Department of Transportation

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT AT 713-207-2222

**PRIVATE UTILITY LINES SHOWN**  
AT LEAST 48 HOURS BEFORE EXCAVATING IN STREET R.O.W. OR EASEMENTS CALL THE LINE STAR NOTIFICATION 713-223-4567.

Date: \_\_\_\_\_  
CenterPoint Energy/Electric Facilities SIGNATURE INDICATES underground ELECTRIC LINES ARE PROPERLY SHOWN. NO APPROVAL FOR CONSTRUCTION IS GIVEN.

Date: \_\_\_\_\_  
Approved for SED underground conduit facilities only. Signature valid for one year.

Date: \_\_\_\_\_  
CenterPoint Energy/Gas Facilities/ENTEX INCORPORATED (Gas service lines are not shown)

CABLE COMPANY:

**WALTER P MOORE**  
WALTER P. MOORE AND ASSOCIATES, INC.  
1301 WALKERWAY, SUITE 1100  
HOUSTON, TEXAS 77010  
PHONE: 713.800.7200 FAX: 713.800.7298  
TBPCE FIRM REGISTRATION NUMBER 1856

SCALE: HORIZ. 1"=20'

## CITY OF HOUSTON DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

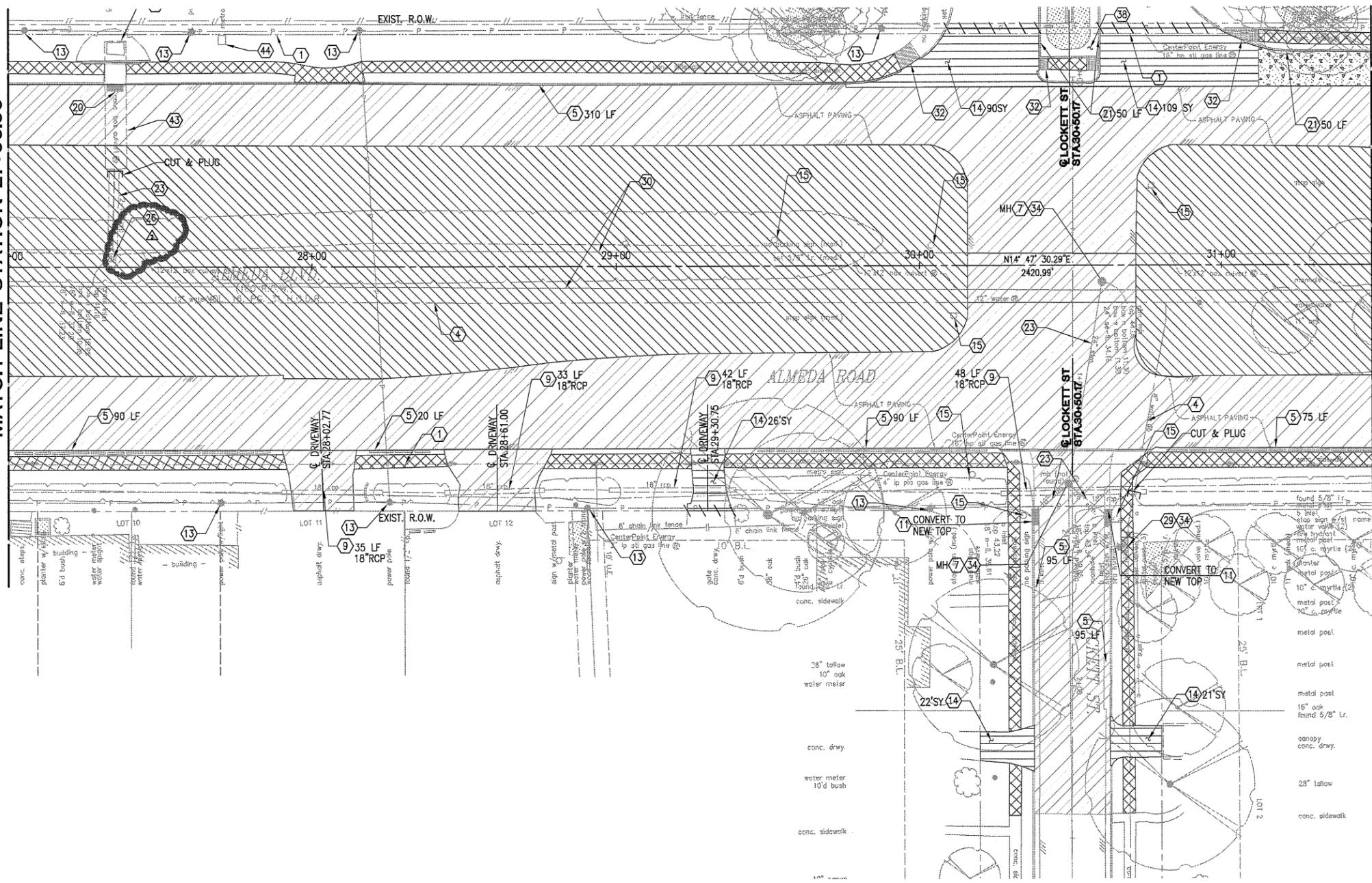
### ALMEDA ROAD FROM OLD SPANISH TRAIL TO S. MACGREGOR WAY DEMOLITION PLAN STA. 13+50 TO STA. 22+50

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
N-000806-0001-4	
DRAWING SCALE	
VERT: AS NOTED	
HORIZ: AS NOTED	
CITY OF HOUSTON PM	
MICHELLE RANDON, P.E.	
SHEET NO. 83 OF 271	



MATCH LINE STATION 27+00.00

MATCH LINE STATION 31+50.00



**DEMOLITION LEGEND**

- ////// PAVEMENT SAWCUT (FULL DEPTH)
- ① EXIST. UTILITIES TO REMAIN
- ② REMOVE SODDED AREA
- ③ REMOVE EXIST. SANITARY SEWER
- ④ CUT OR PLUG AND ABANDONED
- ⑤ REMOVE CONCRETE (CURB & GUTTER)
- ⑥ REMOVE CONCRETE (PAV) (SEE NOTE #3)
- ⑦ ADJUST EXIST. MANHOLE
- ⑧ REMOVE EXIST. SANITARY SEWER (MANHOLE)
- ⑨ REMOVE STRUCTURE (PIPE)
- ⑩ REMOVE CONCRETE (SIDEWALKS)
- ⑪ EXIST. STORM TO REMAIN (INLET)
- ⑫ REMOVE RIPRAP
- ⑬ EXIST. POWER LINE (SEE NOTE #2)
- ⑭ REMOVE CONC. DRIVEWAY (SEE NOTE #3)
- ⑮ EXIST. SIGNS TO BE REMOVED/RELOCATED
- ⑯ REMOVE AND SALVAGE EXIST. FIRE HYDRANTS
- ⑰ REMOVE EXIST. HEADWALL
- ⑱ REMOVE STORM (MANHOLE)
- ⑲ REMOVE STABILIZED BASE AND ASPHALT PAVING (2" TO 18") (SEE NOTE #3)
- ⑳ REMOVE STRUCTURE (INLET)
- ㉑ REMOVE CONCRETE (CURB)
- ㉒ SALVAGING, HAULING AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT
- ㉓ EXIST. STORM TO REMAIN (PIPE)
- ㉔ EXIST. CONCRETE CURB TO REMAIN
- ㉕ SEE TREE PLAN FOR TREE PROTECTION & REMOVAL (TYP.)
- ㉖ ADJUST INLET TOP TO NEW GRADE
- ㉗ EXIST. SIDEWALK TO REMAIN
- ㉘ EXIST. PAVEMENT TO REMAIN
- ㉙ EXIST. WATERLINE TO REMAIN
- ㉚ EXIST. STRUCTURE TO REMAIN (BOX CULVERT)
- ㉛ EXIST. STREET SIGN TO REMAIN
- ㉜ REMOVE SIDEWALK RAMP
- ㉝ RELOCATE EXIST. TRAFFIC SIGNAL/POLE
- ㉞ PROTECT IN PLACE
- ㉟ RELOCATE BUS STOP
- ㊱ ADJUST EXIST. WATER METER & BOX TO GRADE
- ㊲ RELOCATE EXIST. TELEPHONE BOX
- ㊳ REMOVE ISLAND
- ㊴ REMOVE PEDESTRIAN LIGHT
- ㊵ REMOVE TRAFFIC SIGNAL BOX/SENSOR BOX
- ㊶ REMOVE EXIST FENCE
- ㊷ REMOVE ELECTRICAL PULL BOX
- ㊸ REMOVE STRUCTURE (BOX CULVERT)
- ㊹ ADJUST ELECTRICAL PULL BOX TO GRADE
- ㊺ ADJUST EXIST. MANHOLE (BY OTHERS)
- ㊻ ADJUST EXIST. VALVE TO GRADE

- NOTE:**
1. FOR REMOVAL, RELOCATION & NEW TREES SEE THE TREE PLAN SHEETS.
  2. EXIST. POWER LINE TO BE RELOCATED BY CENTERPOINT ENERGY, PRIOR TO CONSTRUCTION.
  3. TYPE AND THICKNESS FOR PAVEMENT. SEE EXIST. TYP. SECTION (SHEET #18)

**NOTE:**  
The location of existing underground utilities are shown in an approximate way only. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-669-3344 and the City of Houston Department of Public Works and Engineering at 832-394-3098 a minimum of two working days prior to construction to field locate utilities. The contractor shall determine the exact location of all existing utilities before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by his failure to exactly locate and preserve any and all underground utilities.

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\* When CenterPoint Energy pipe line markings are not visible, call 713-967-8337 (700 am to 4:30 pm) for status of line location request before excavation begins.  
\* When excavating within eighteen inches (18") of the indicated location of CenterPoint Energy facilities, all excavation must be accomplished using non-mechanized excavation procedures.  
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**WARNING: AT&T TEXAS/SNET FACILITIES**  
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Please contact the AT&T Texas Damage Prevention Manager Mr. Roosevelt Lee Jr. at 713-567-4532 or email him at rlee2@att.com, if there are questions about boring or excavating near our AT&T Texas/SNET facilities.

ADDENDUM 4		
NO.	DATE	REVISIONS

Addendum 4

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Texas Department of Transportation

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT AT 713-207-2222

**PRIVATE UTILITY LINES SHOWN**  
AT LEAST 48 HOURS BEFORE EXCAVATING IN STREET R.O.W. OR EASEMENTS CALL THE LINE STAR NOTIFICATION 713-223-4567.

Date: \_\_\_\_\_  
CenterPoint Energy/Electric Facilities  
SIGNATURE INDICATES UNDERGROUND ELECTRIC LINES ARE PROPERLY SHOWN. NO APPROVAL FOR CONSTRUCTION IS GIVEN.

Date: \_\_\_\_\_  
Approved for SDC underground conduit facilities only.  
Signature valid for one year.

Date: \_\_\_\_\_  
CenterPoint Energy/Gas Facilities/ENTEX INCORPORATED  
(Gas service lines are not shown)

CABLE COMPANY

**WALTER P MOORE**  
WALTER P. MOORE AND ASSOCIATES, INC.  
1301 MEADWAY, SUITE 1100  
HOUSTON, TEXAS 77010  
PHONE: 713.850.7000 FAX: 713.850.7098  
TBE FIRM REGISTRATION NUMBER 1856

SCALE: HORIZ. 1"=20'

**CITY OF HOUSTON**  
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

**ALMEDA ROAD FROM  
OLD SPANISH TRAIL TO S.  
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DEMOLITION PLAN  
STA. 27+00 TO STA. 31+50**

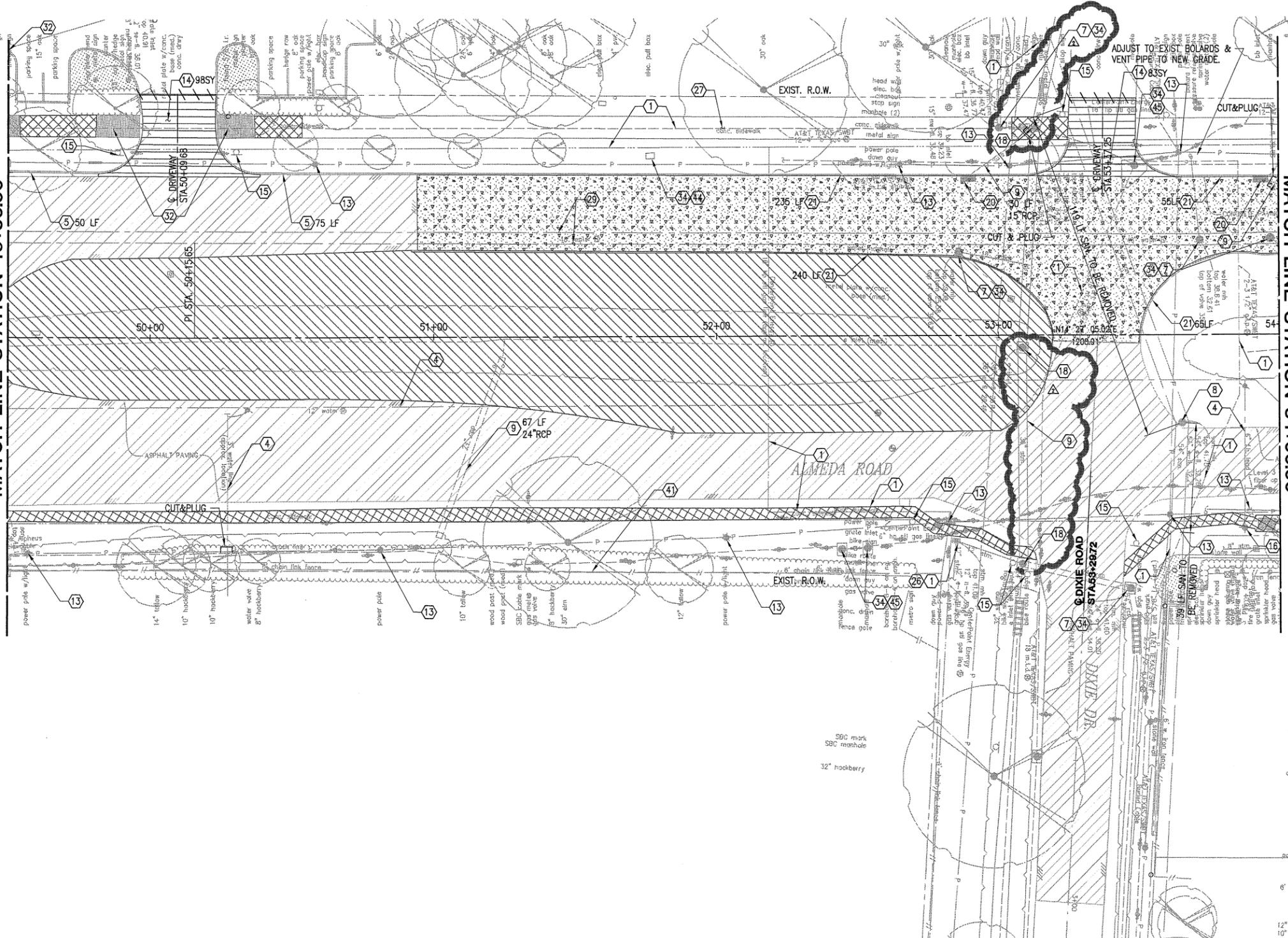
WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
N-000806-0001-4	
DRAWING SCALE	
VERT: AS NOTED	
HORIZ: AS NOTED	
CITY OF HOUSTON PM	
MICHELLE RANDON, P.E.	
SHEET NO. 84AOF 271	





MATCH LINE STATION 49+50.00

MATCH LINE STATION 54+00.00



**DEMOLITION LEGEND**

- ////// PAVEMENT SAWCUT (FULL DEPTH)
- ① EXIST. UTILITIES TO REMAIN
- ② REMOVE SODDED AREA
- ③ REMOVE EXIST. SANITARY SEWER
- ④ CUT OR PLUG AND ABANDONED
- ⑤ REMOVE CONCRETE (CURB & GUTTER)
- ⑥ REMOVE CONCRETE (PAV) (SEE NOTE #3)
- ⑦ ADJUST EXIST. MANHOLE
- ⑧ REMOVE EXIST. SANITARY SEWER (MANHOLE)
- ⑨ REMOVE STRUCTURE (PIPE)
- ⑩ REMOVE CONCRETE (SIDEWALKS)
- ⑪ EXIST. STORM TO REMAIN (INLET)
- ⑫ REMOVE RIPRAP
- ⑬ EXIST. POWER LINE (SEE NOTE #2)
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- ⑮ EXIST. SIGNS TO BE REMOVED/RELOCATED
- ⑯ REMOVE AND SALVAGE EXIST. FIRE HYDRANTS
- ⑰ REMOVE EXIST. HEADWALL
- ⑱ REMOVE STORM (MANHOLE)
- ⑲ REMOVE STABILIZED BASE AND ASPHALT PAVING (2" TO 18") (SEE NOTE #3)
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- ㉑ REMOVE CONCRETE (CURB)
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- ㉔ EXIST. CONCRETE CURB TO REMAIN
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- ㉖ ADJUST INLET TOP TO NEW GRADE
- ㉗ EXIST. SIDEWALK TO REMAIN
- ㉘ EXIST. PAVEMENT TO REMAIN
- ㉙ EXIST. WATERLINE TO REMAIN
- ㉚ EXIST. STRUCTURE TO REMAIN (BOX CULVERT)
- ㉛ EXIST. STREET SIGN TO REMAIN
- ㉜ REMOVE SIDEWALK RAMP
- ㉝ RELOCATE EXIST. TRAFFIC SIGNAL/POLE
- ㉞ PROTECT IN PLACE
- ㉟ RELOCATE BUS STOP
- ㊱ ADJUST EXIST. WATER METER & BOX TO GRADE
- ㊲ RELOCATE EXIST. TELEPHONE BOX
- ㊳ REMOVE ISLAND
- ㊴ REMOVE PEDESTRIAN LIGHT
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The contractor shall call 1-800-344-8377 a minimum of 48 hours prior to construction to have underground lines field located.  
When excavating within eighteen inches (18") of the indicated location of AT&T Texas/SNET facilities, all excavations must be accomplished using non-mechanized excavation procedures. When boring, the contractor shall expose the AT&T Texas/SNET facilities.  
When AT&T Texas/SNET facilities are exposed, the contractor will provide support to prevent damage to the conduit ducts or cables. When excavating near telephone poles the contractor shall brace the pole for support.  
The presence or absence of AT&T Texas/SNET underground conduit facilities does not mean that there are no direct buried cables in the area. Follow the AT&T Texas/SNET procedure to locate the AT&T Texas/SNET buried cables as indicated in the AT&T Texas Research and Signature Process for AT&T Texas/SNET Facilities.  
Please contact the AT&T Texas Damage Prevention Manager Mr. Rosslett Lee Jr. at 713-567-4282 or email him at [rlee@att.com](mailto:rlee@att.com); if there are questions about boring or excavating near our AT&T Texas/SNET facilities.

NO.	DATE	REVISIONS	APP.
1	05-29-16	ADDENDUM 4	

Addendum 4

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Texas Department of Transportation

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT AT 713-207-2222

**PRIVATE UTILITY LINES SHOWN**  
AT LEAST 48 HOURS BEFORE EXCAVATING IN STREET R.O.W. OR EASEMENTS CALL THE LINE STAB NOTIFICATION 713-223-4567.

Date: \_\_\_\_\_

CenterPoint Energy/Electric Facilities  
SIGNATURE INDICATES UNDERGROUND ELECTRIC LINES ARE PROPERLY SHOWN. NO APPROVAL FOR CONSTRUCTION IS GIVEN.

Date: \_\_\_\_\_

Approved for SBC underground conduit facilities only.  
Signature valid for one year.

Date: \_\_\_\_\_

CenterPoint Energy/Gas Facilities/ENTEX INCORPORATED  
(Gas service lines are not shown)

**CABLE COMPANY**

**WALTER P MOORE**  
WALTER P. MOORE AND ASSOCIATES, INC.  
1301 MARSHNEY, SUITE 1100  
HOUSTON, TEXAS 77010  
PHONE: 713.850.7300 FAX: 713.850.7398  
TSP# FIRM REGISTRATION NUMBER 1856

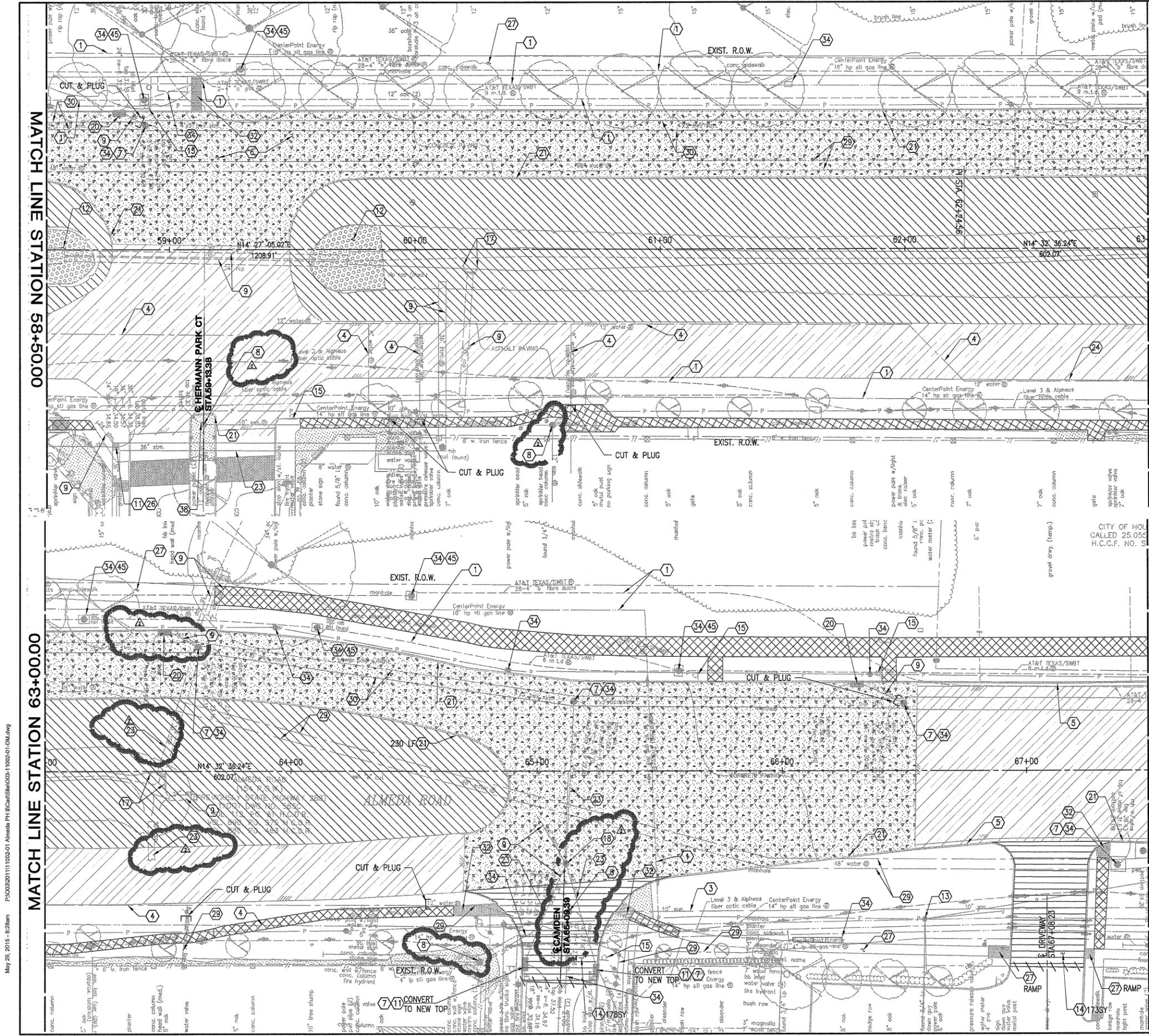
STATE OF TEXAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 52988  
5/29/16

SCALE: HORIZ. 1"=20'

**CITY OF HOUSTON**  
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

**ALMEDA ROAD FROM  
OLD SPANISH TRAIL TO S.  
MACGREGOR WAY  
DEMOLITION PLAN  
STA. 49+50 TO STA. 54+00**

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
N-000806-0001-4	
DRAWING SCALE	
VERT: AS NOTED	
HORIZ: AS NOTED	
CITY OF HOUSTON PM	
MICHELLE RANDON, P.E.	
SHEET NO. 89 OF 271	



- MATCH LINE STATION 63+00.00
- MATCH LINE STATION 67+50.00
- DEMOLITION LEGEND**
- ////// PAVEMENT SAWCUT (FULL DEPTH)
- 1 EXIST. UTILITIES TO REMAIN
  - 2 REMOVE SODDED AREA
  - 3 REMOVE EXIST. SANITARY SEWER
  - 4 CUT OR PLUG AND ABANDONED
  - 5 REMOVE CONCRETE (CURB & GUTTER)
  - 6 REMOVE CONCRETE (PAV) (SEE NOTE #3)
  - 7 ADJUST EXIST. MANHOLE
  - 8 REMOVE EXIST. SANITARY SEWER (MANHOLE)
  - 9 REMOVE STRUCTURE (PIPE)
  - 10 REMOVE CONCRETE (SIDEWALKS)
  - 11 EXIST. STORM TO REMAIN (INLET)
  - 12 REMOVE RIPRAP
  - 13 EXIST. POWER LINE (SEE NOTE #2)
  - 14 REMOVE CONC. DRIVEWAY (SEE NOTE #3)
  - 15 EXIST. SIGNS TO BE REMOVED/RELOCATED
  - 16 REMOVE AND SALVAGE EXIST. FIRE HYDRANTS
  - 17 REMOVE EXIST. HEADWALL
  - 18 REMOVE STORM (MANHOLE)
  - 19 REMOVE STABILIZED BASE AND ASPHALT PAVING (2" TO 18") (SEE NOTE #3)
  - 20 REMOVE STRUCTURE (INLET)
  - 21 REMOVE CONCRETE (CURB)
  - 22 SALVAGING, HAULING AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT
  - 23 EXIST. STORM TO REMAIN (PIPE)
  - 24 EXIST. CONCRETE CURB TO REMAIN
  - 25 SEE TREE PLAN FOR TREE PROTECTION & REMOVAL (TYP.)
  - 26 ADJUST INLET TOP TO NEW GRADE
  - 27 EXIST. SIDEWALK TO REMAIN
  - 28 EXIST. PAVEMENT TO REMAIN
  - 29 EXIST. WATERLINE TO REMAIN
  - 30 EXIST. STRUCTURE TO REMAIN (BOX CULVERT)
  - 31 EXIST. STREET SIGN TO REMAIN
  - 32 REMOVE SIDEWALK RAMP
  - 33 RELOCATE EXIST. TRAFFIC SIGNAL/POLE
  - 34 PROTECT IN PLACE
  - 35 RELOCATE BUS STOP
  - 36 ADJUST EXIST. WATER METER & BOX TO GRADE
  - 37 RELOCATE EXIST. TELEPHONE BOX
  - 38 REMOVE ISLAND
  - 39 REMOVE PEDESTRIAN LIGHT
  - 40 REMOVE TRAFFIC SIGNAL BOX/SENSOR BOX
  - 41 REMOVE EXIST FENCE
  - 42 REMOVE ELECTRICAL PULL BOX
  - 43 REMOVE STRUCTURE (BOX CULVERT)
  - 44 ADJUST ELECTRICAL PULL BOX TO GRADE
  - 45 ADJUST EXIST. MANHOLE (BY OTHERS)
  - 46 ADJUST EXIST. VALVE TO GRADE
- NOTE:**
1. FOR REMOVAL, RELOCATION & NEW TREES SEE THE TREE PLAN SHEETS.
  2. EXIST. POWER LINE TO BE RELOCATED BY CENTERPOINT ENERGY, PRIOR TO CONSTRUCTION.
  3. TYPE AND THICKNESS FOR PAVEMENT. SEE EXIST. TYP. SECTION (SHEET #18)



**NOTE:**  
The location of existing underground utilities are shown in an approximate way only. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-668-8344 and the City of Houston Department of Public Works and engineering at 832-394-9098 a minimum of two working days prior to construction to field locate utilities. The contractor shall determine the exact location of all existing utilities before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by his failure to exactly locate and preserve any and all underground utilities.

**CAUTION: UNDERGROUND GAS FACILITIES**  
Locations of CenterPoint Energy main lines (to include CenterPoint Energy, Intrastate Pipeline Inc. where applicable) are shown in an approximate location only. Service lines are usually not shown. Our signature on these plans only indicates that our facilities are shown in approximate location. It does not imply that a conflict analysis has been made. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-668-8344 a minimum of 48 hours prior to construction to have main and service lines field located.

\* When CenterPoint Energy pipe line markings are not visible, call 713-223-4567 (7:00 am to 4:30 pm). For status of line location request before excavation begins.  
\* When excavating within eighteen inches (18") of the indicated location of CenterPoint Energy facilities, all excavation must be accomplished using non-mechanized excavation procedures. The contractor shall be fully responsible for any damage caused by the contractor's failure to exactly locate and preserve these underground facilities.

**WARNING: OVERHEAD ELECTRICAL FACILITIES**  
Overhead lines may exist on the property. We have not attempted to mark those lines since they are clearly visible, but you should locate them prior to beginning any construction. Texas law, Section 752, Health and Safety Code, forbids all activities in which persons or things may come within six (6) feet of five overhead high voltage lines. Parties responsible for the work, including contractors, are legally responsible for the safety of construction workers under this law. This carries both criminal and civil liability. To arrange for lines to be turned off or removed call CenterPoint Energy at 713-223-2222. Revised 2008

**WARNING: AT&T TEXAS/SWBT FACILITIES**  
The locations of AT&T Texas/SWBT facilities are shown in an approximate way only. The contractor shall determine the exact location before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by failure to exactly locate and preserve these underground utilities. The contractor shall call 1-800-344-8377 a minimum of 48 hours prior to construction to have underground lines field located. When excavating within eighteen inches (18") of the indicated location of AT&T Texas/SWBT facilities, all excavations must be accomplished using non-mechanized excavation procedures. When boring the contractor shall expose the AT&T Texas/SWBT facilities. When AT&T Texas/SWBT facilities are exposed, the contractor will provide support to prevent damage to the conduit ducts or cables. When excavating near telephone poles the contractor shall brace the pole for support. The presence or absence of AT&T Texas/SWBT underground conduit facilities does not mean that there are no direct buried cables in the area. Follow the Direct Buried Cable Procedure to locate the AT&T Texas/SWBT buried cables as indicated in the AT&T Texas Research and Signature Process for AT&T Texas/SWBT Facilities. Please contact the AT&T Texas Damage Prevention Manager Mr. Roosevelt Lee Jr. at 713-267-4652 or email him at rlee@att.com if there are questions about boring or excavating near our AT&T Texas/SWBT facilities.

NO.	DATE	REVISIONS	APP.

**Addendum 4**

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Texas Department of Transportation

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT AT 713-207-2222

**PRIVATE UTILITY LINES SHOWN**  
AT LEAST 48 HOURS BEFORE EXCAVATING IN STREET R.O.W. OR EASEMENTS CALL THE LINE STAFF NOTIFICATION 713-223-4567.

Date:	
CenterPoint Energy/Electric Facilities SIGNATURE INDICATES UNDERGROUND ELECTRIC LINES ARE PROPERLY SHOWN. NO APPROVAL FOR CONSTRUCTION IS GIVEN.	
Date:	
Approved for SDC underground conduit facilities only. Signature valid for one year.	
Date:	
CenterPoint Energy/Gas Facilities/ENTEX INCORPORATED (Gas service lines are not shown)	

**WALTER P MOORE**  
WALTER P. MOORE AND ASSOCIATES, INC.  
1301 MOHAWY SUITE 1100  
HOUSTON, TEXAS 77010  
PHONE: 713.600.7300 FAX: 713.600.7098  
TBE FIRM REGISTRATION NUMBER 1868

SCALE: HORIZ. 1"=20'

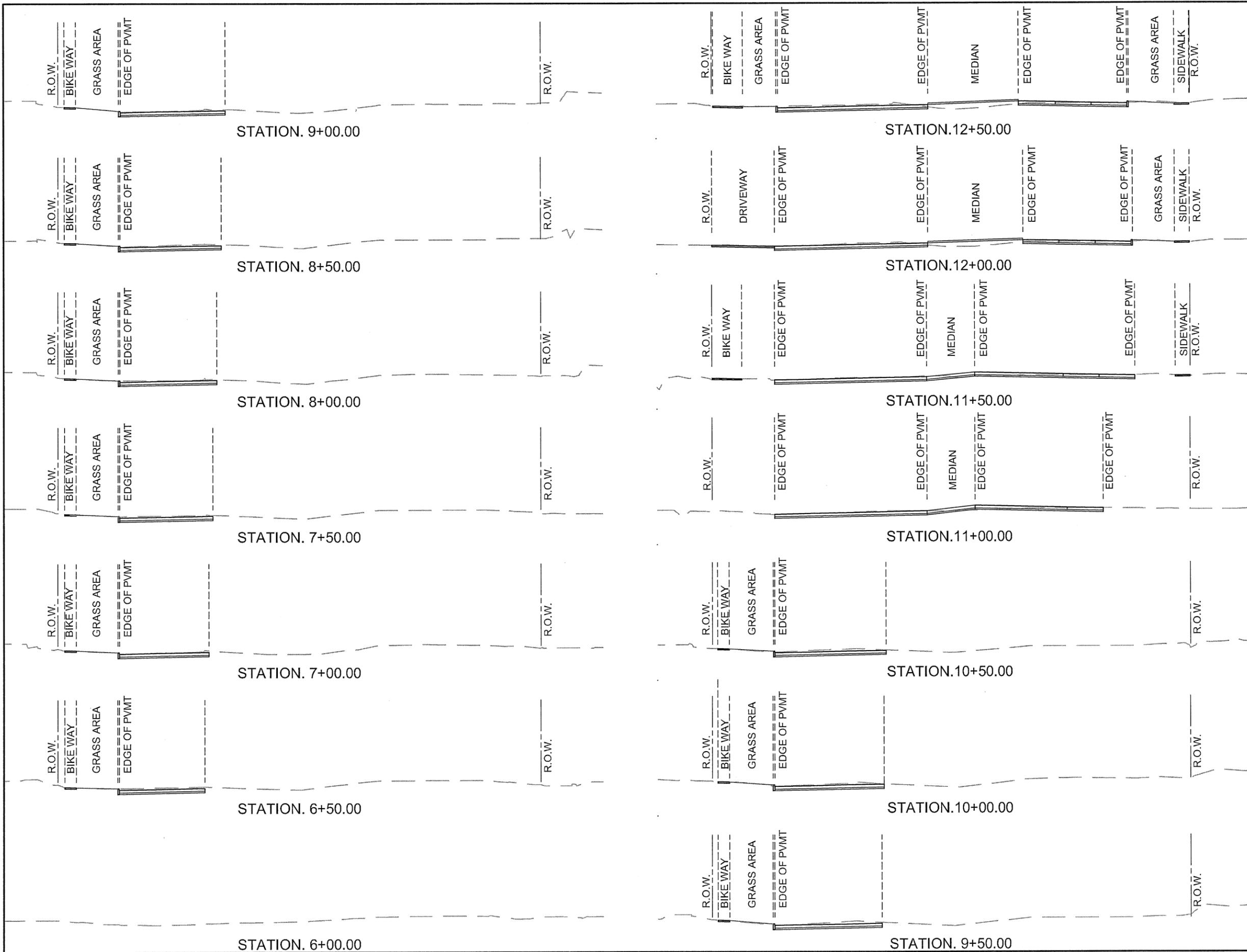
5/29/16

**CITY OF HOUSTON**  
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

**ALMEDA ROAD FROM  
OLD SPANISH TRAIL TO S.  
MACGREGOR WAY  
DEMOLITION PLAN  
STA. 58+50 TO STA. 67+50**

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
N-000806-0001-4	
DRAWING SCALE	
VERT: AS NOTED	
HORZ: AS NOTED	
CITY OF HOUSTON PM	
MICHELLE RANDON, P.E.	
SHEET NO. 91 OF 271	

Jun 01, 2015 - 4:02pm P:\03032011\11092-01\Alameda PH I\03032011\11092-01-CROSS-SECTION-ALameda.dwg



**NOTE:**  
 The location of existing underground utilities are shown in an approximate way only. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-669-8344 and the City of Houston Department of Public Works and Engineering at 832-304-2008 a minimum of two working days prior to construction to field locate utilities. The contractor shall determine the exact location of all existing utilities before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by his failure to exactly locate and preserve any and all underground utilities.

**CAUTION: UNDERGROUND GAS FACILITIES**  
 Locations of CenterPoint Energy main lines (to include CenterPoint Energy Intrastate Pipeline Inc. when applicable) are shown in an approximate location only. Service lines are usually not shown. Our signature on these plans only indicates that our facilities are shown in approximate location. It does not imply that a conflict analysis has been made. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-669-8344 a minimum of 48 hours prior to construction to locate main and service lines field located.

- When CenterPoint Energy pipe line markings are not visible, call 713-907-8037 (7:00 am to 4:30 pm). For status of line location request before excavation begins.
- When excavating within eighteen inches (18") of the indicated location of CenterPoint Energy facilities, all excavations must be accomplished using non-mechanized excavation procedures.
- When CenterPoint Energy facilities are exposed, sufficient support must be provided to the facilities to prevent excessive stress on the piping.

The contractor is fully responsible for any damages caused by the contractor's failure to exactly locate and preserve these underground facilities.

**WARNING: OVERHEAD ELECTRICAL FACILITIES**  
 Overhead lines may exist on the property. We have not attempted to mark those lines since they are clearly visible, but you should locate them prior to beginning any construction. Texas law, Section 75C, Health and Safety Code, forbids activities in which persons or things may come within six (6) feet of live overhead high voltage lines. Parties responsible for the work, including contractors, are legally responsible for the safety of construction activities under this law. This carries both criminal and civil liability. To arrange for lines to be turned off or removed call CenterPoint Energy at 713-207-2222. Revised 2008

**WARNING: AT&T TEXAS/SBC FACILITIES**  
 The location of AT&T Texas/SBC facilities are shown in an approximate way only. The contractor shall determine the exact location before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by failure to exactly locate and preserve these underground utilities.

The contractor shall call 1-800-344-6377 a minimum of 48 hours prior to construction to have underground lines field located.

- When excavating within eighteen inches (18") of the indicated location of AT&T Texas/SBC facilities, all excavations must be accomplished using non-mechanized excavation procedures. When boring, the contractor shall expose the AT&T Texas/SBC facilities.
- When AT&T Texas/SBC facilities are exposed, the contractor will provide support to prevent damage to the conduit ducts or cables. When excavating near telephone poles the contractor shall brace the pole for support.

The presence or absence of AT&T Texas/SBC underground conduit facilities does not mean that there are no direct buried cables in the area. Follow the Direct Buried Cable Procedure to locate the AT&T Texas/SBC buried cables as indicated in the AT&T Texas Research and Structure Process for AT&T Texas/SBC facilities.

Please contact the AT&T Texas Damage Prevention Manager Mr. Rowan Lee Jr. at 713-451-4562 or email him at rlee@att.com, if there are questions about boring or excavating near our AT&T Texas/SBC facilities.

NO.	DATE	REVISIONS	APP.

Addendum 4

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT AT 713-207-2222

**PRIVATE UTILITY LINES SHOWN**  
 AT LEAST 48 HOURS BEFORE EXCAVATING IN STREET R.O.W. OR EASEMENTS CALL THE LONG STAR NOTIFICATION 713-223-4567.

Date: \_\_\_\_\_  
 CenterPoint Energy/Electric Facilities  
 SIGNATURE INDICATES UNDERGROUND ELECTRIC LINES ARE PROPERLY SHOWN. NO APPROVAL FOR CONSTRUCTION IS GIVEN.

Date: \_\_\_\_\_  
 Approved for SRC underground conduit facilities only.  
 Signature valid for one year.

Date: \_\_\_\_\_  
 CenterPoint Energy/Gas Facilities/DNEX INCORPORATED  
 (Gas service lines are not shown)

**CABLE COMPANY**

THUSITHA SILVA, P.E.

**WALTER P MOORE**

WALTER P. MOORE AND ASSOCIATES, INC.  
 2810 WINDYBUSH, SUITE 1100  
 HOUSTON, TEXAS 77056  
 P: 281.280.7900 F: 281.280.7999  
 TYPE FIRM REGISTRATION NUMBER 1858



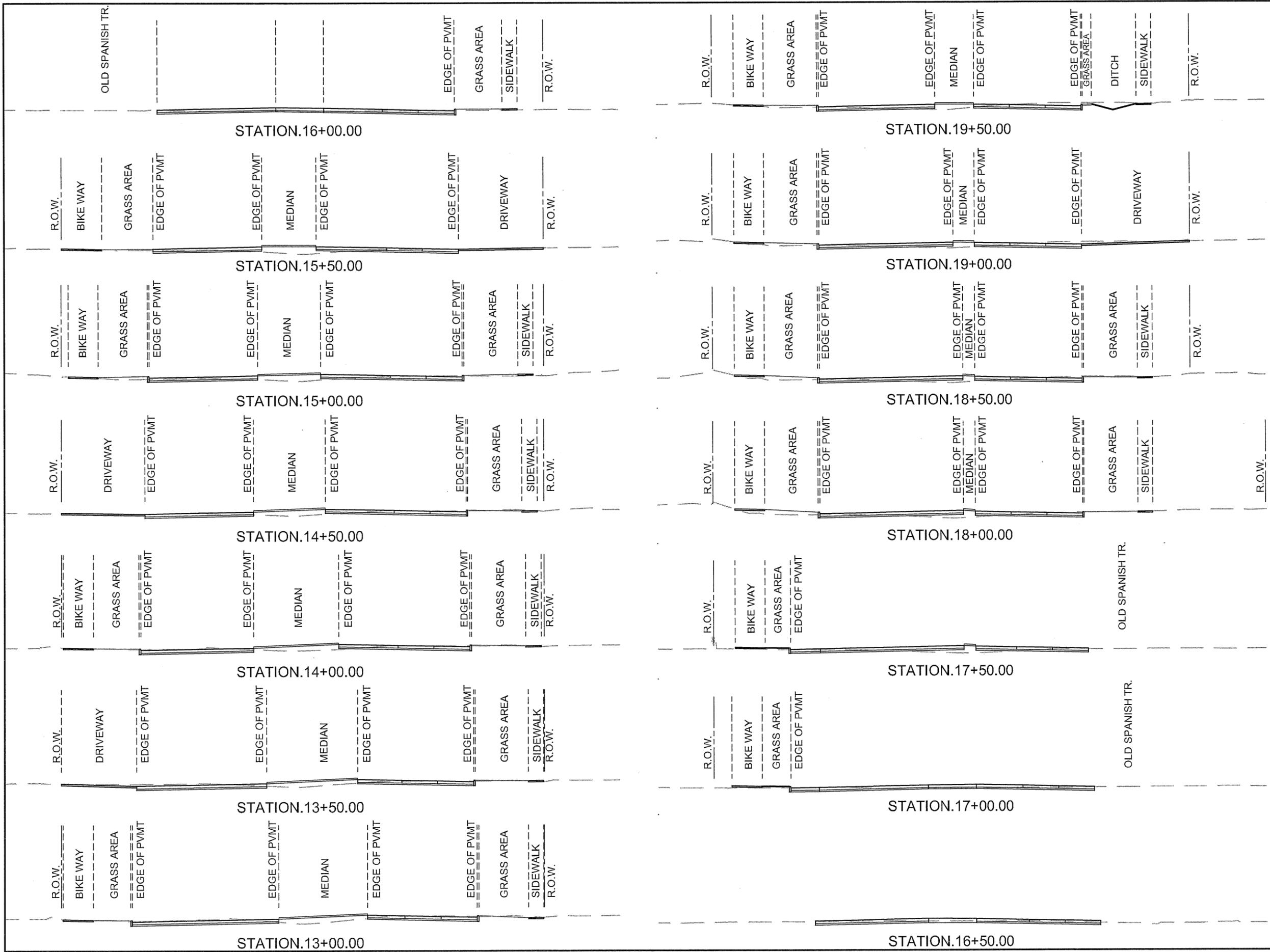
5/29/16

**CITY OF HOUSTON**  
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

**ALAMEDA ROAD FROM  
 OLD SPANISH TRAIL TO  
 S. MACGREGOR WAY  
 CROSS SECTIONS**

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
N-000806-0001-4	
DRAWING SCALE	
VERT: AS NOTED	
HORZ: AS NOTED	
CITY OF HOUSTON PM	
MICHELLE RANDON, P.E.	
SHEET NO.95A OF 217	

Jun 01, 2015 - 4:09pm P:\03032011\11062-01\Alameda PH\_IL\03032011\11062-01-CROSS-SECTIONS-Alameda.dwg



**NOTE:**  
The location of existing underground utilities are shown in an approximate way only. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-669-8344 and the City of Houston Department of Public Works and Engineering at 832-384-2098 a minimum of two working days prior to construction to field locate utilities. The contractor shall determine the exact location of all existing utilities before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by his failure to exactly locate and preserve any and all underground utilities.

**CAUTION: UNDERGROUND GAS FACILITIES**  
Locations of CenterPoint Energy main lines (to include CenterPoint Energy, Intracoast Pipeline Inc. when applicable) are shown in an approximate location only. Service lines are usually not shown. Our signature on these plans only indicates that our facilities are shown in approximate location. It does not imply that a conflict analysis has been made. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-669-8344 a minimum of 48 hours prior to construction to have main and service lines field located.  
\* When CenterPoint Energy pipe line markings are not visible, call 713-907-8037 (7:00 am to 4:30 pm). For status of line location request before excavation begins.  
\* When excavating within eighteen inches (18") of the indicated location of CenterPoint Energy facilities, all excavations must be accomplished using non-mechanized excavation procedures.  
\* When CenterPoint Energy facilities are exposed, sufficient support must be provided to the facilities to prevent excessive stress on the piping.  
The contractor is fully responsible for any damages caused by the contractor's failure to exactly locate and preserve these underground facilities.

**WARNING: OVERHEAD ELECTRICAL FACILITIES**  
Overhead lines may exist on the property. We have not attempted to mark these lines since they are clearly visible, but you should locate them prior to beginning any construction. Texas law, Section 752, Health and Safety Code, forbids activities in which persons or things may come within six (6) feet of live overhead high voltage lines. Parties responsible for the work, including contractors, are legally responsible for the safety of construction workers under this law. This carries both criminal and civil liability. To arrange for lines to be turned off or removed call CenterPoint Energy at 713-207-2222. Revised 2008

**WARNING: AT&T TEXAS/SEC FACILITIES**  
The locations of AT&T Texas/SEC facilities are shown in an approximate way only. The contractor shall determine the exact location before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by failure to exactly locate and preserve these underground utilities.  
The contractor shall call 1-800-344-6377 a minimum of 48 hours prior to construction to have underground lines field located.  
When excavating within eighteen inches (18") of the indicated location of AT&T Texas/SEC facilities, all excavations must be accomplished using non-mechanized excavation procedures. When boring, the contractor shall expose the AT&T Texas/SEC facilities.  
When AT&T Texas/SEC facilities are exposed, the contractor will provide support to prevent damage to the conduit, ducts or cables. When excavating near telephone poles the contractor shall brace the pole for support.  
The presence or absence of AT&T Texas/SEC underground conduit facilities does not mean that there are no direct buried cables in the area. Follow the Direct Buried Cable Procedure to locate the AT&T Texas/SEC buried cables as indicated in the AT&T Texas Research and Signature Process for AT&T Texas/SEC Facilities.  
Please contact the AT&T Texas Damage Prevention Manager Mr. Roosevelt Lee Jr. at 713-585-4522 or email him at rlee@att.net. If there are questions about boring or excavating near our AT&T Texas/SEC facilities.

NO.	DATE	REVISIONS	APP.

**Addendum 4**

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT AT 713-207-2222

**PRIVATE UTILITY LINES SHOWN**  
AT LEAST 48 HOURS BEFORE EXCAVATING IN STREET R.O.W. OR EASEMENTS CALL THE LINE STAFF NOTIFICATION 713-223-4567.

Date: \_\_\_\_\_  
CenterPoint Energy/Electric Facilities  
SIGNATURE INDICATES UNDERGROUND ELECTRIC LINES ARE PROPERLY SHOWN. NO APPROVAL FOR CONSTRUCTION IS GIVEN.

Date: \_\_\_\_\_  
Approved for SEC underground conduit facilities only.  
Signature valid for one year.

Date: \_\_\_\_\_  
CenterPoint Energy/Gas Facilities/ENTEX INCORPORATED  
(Gas service lines are not shown)

**CABLE COMPANY**  
THUSITHA SILVA, P.E.  
**WALTER P MOORE**  
WALTER P. MOORE & ASSOCIATES, INC.  
301 "MADISON" BUILDING  
HOUSTON, TEXAS 77002  
P: 713.860.1500 FAX: 713.860.1508  
TXPE FIRM REGISTRATION NUMBER 1555

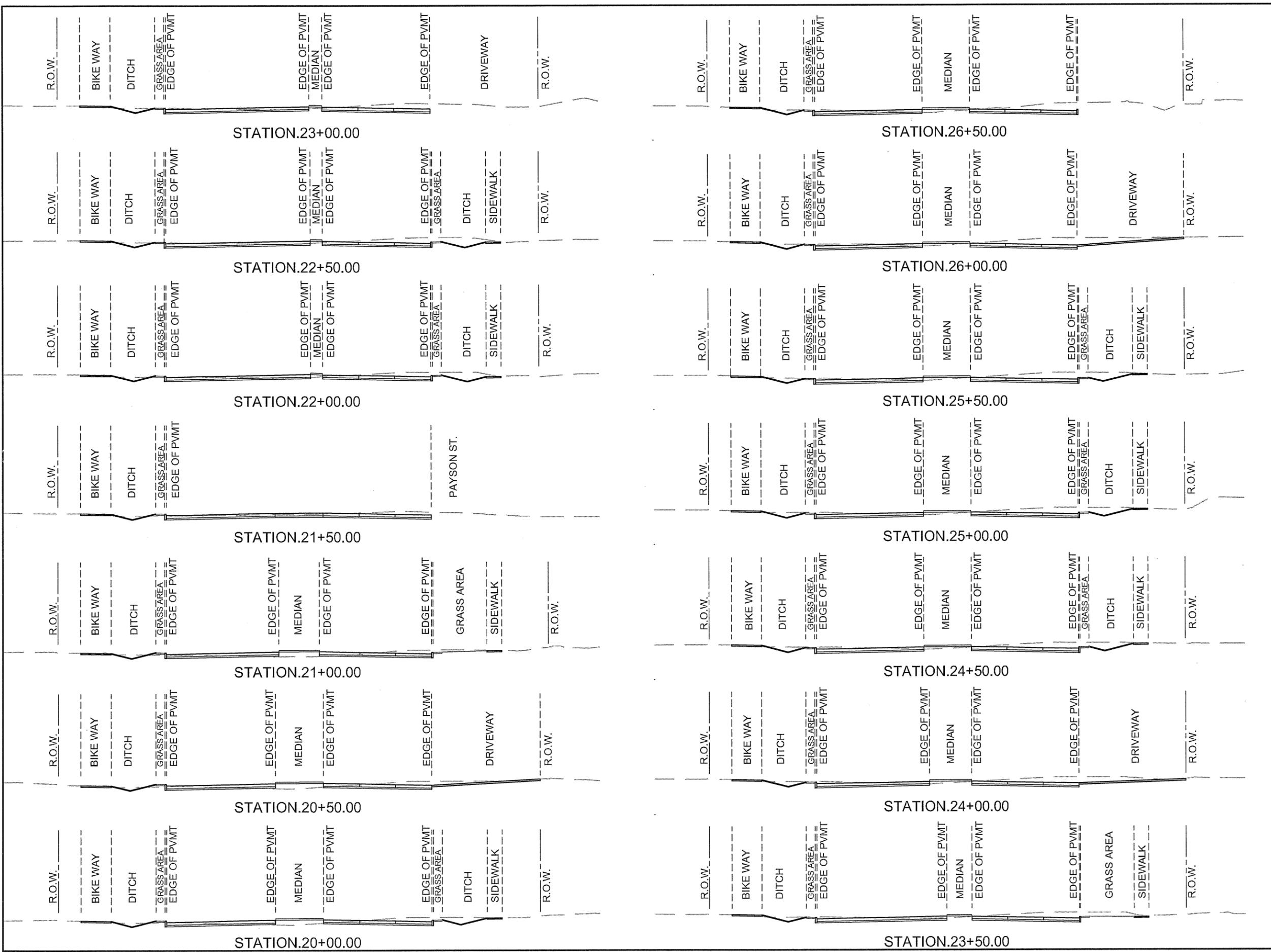
  
 5/29/16

**CITY OF HOUSTON**  
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

**ALMEDA ROAD FROM  
OLD SPANISH TRAIL TO  
S. MACGREGOR WAY  
CROSS SECTIONS**

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
N-000806-0001-4	
DRAWING SCALE	
VERT: AS NOTED	
HORZ: AS NOTED	
CITY OF HOUSTON PM	
MICHELLE RANDON, P.E.	
SHEET No. 95B OF 217	

Jun 01, 2015 - 4:09pm P:\030320\11\1002-21\Alameda PH I\030320-11002-21-CROSS-SECTIONS-Alameda.dwg



**NOTE:**  
The location of existing underground utilities are shown in an approximate way only. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-669-8344 and the City of Houston Department of Public Works and Engineering at 832-304-9000 a minimum of two working days prior to construction to field locate utilities. The contractor shall determine the exact location of all existing utilities before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by his failure to exactly locate and preserve any and all underground utilities.

**CAUTION: UNDERGROUND GAS FACILITIES**  
Locations of CenterPoint Energy main lines (to include CenterPoint Energy, Interstate Pipeline Co. when applicable) are shown in an approximate location only. Service lines are usually not shown. Our signature on these plans only indicates that our facilities are shown in approximate location. It does not imply that a certified analysis has been made. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-669-8344 a minimum of 48 hours prior to construction to have main and service lines field located.  
\* When CenterPoint Energy pipe line markings are not visible, call 713-907-0037 (200 am to 4:30 pm). For status of line location request before excavation begins.  
\* When excavating within eighteen inches (18") of the indicated location of CenterPoint Energy facilities, all excavation must be accomplished using non-mechanized excavation procedures.  
\* When CenterPoint Energy facilities are exposed, sufficient support must be provided to the facilities to prevent excessive stress on the piping.  
The contractor is fully responsible for any damage caused by the contractor's failure to exactly locate and preserve these underground facilities.

**WARNING: OVERHEAD ELECTRICAL FACILITIES**  
Overhead lines may exist on the property. We have not attempted to mark those lines that are clearly visible, but you should locate them prior to beginning any construction. Texas law, Section 752, Health and Safety Code, forbids activities in which persons or things may come within six (6) feet of live overhead high voltage lines. Parties responsible for the work, including contractors, are held responsible for the safety of construction workers under this law. This carries both criminal and civil liability. To arrange for lines to be turned off or removed call CenterPoint Energy at 713-207-2222. Revised 2008

**WARNING: ATEX TEXAS/SBC FACILITIES**  
The location of ATEX Texas/SBC facilities are shown in an approximate way only. The contractor shall determine the exact location before commencing work. He agrees to be fully responsible for any and all damage which might be occasioned by failure to exactly locate and preserve these underground utilities.  
The contractor shall call 1-800-344-6377 a minimum of 48 hours prior to construction to have underground lines field located.  
When excavating within eighteen inches (18") of the indicated location of ATEX Texas/ SBC facilities, all excavation must be accomplished using non-mechanized excavation procedures. When boring, the contractor shall expose the ATEX Texas/SBC facilities.  
When ATEX Texas/SBC facilities are exposed, the contractor will provide support to prevent collapse to the conduit, ducts or cables. When excavating near telephone poles the contractor shall brace the pole for support.  
The presence or absence of ATEX Texas/SBC underground conduit facilities does not mean that there are no direct buried cables in the area. Follow the Direct Buried Cable Procedure to locate the ATEX Texas/SBC buried cables as indicated in the ATEX Texas Research and Signature Process for ATEX Texas/SBC Facilities.  
Please contact the ATEX Texas Damage Prevention Manager W. Roosevelt Lee, Jr. at 713-551-4532 or email him at wlee@atex.com. If there are questions about boring or excavating near our ATEX Texas/SBC facilities.

**ADDENDUM 4**

NO.	DATE	REVISIONS	APP.

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT AT 713-207-2222

**PRIVATE UTILITY LINES SHOWN**  
AT LEAST 48 HOURS BEFORE EXCAVATING IN STREET R.O.W. OR EASEMENTS CALL THE LONG STAR NOTIFICATION 713-223-4567.

Date: \_\_\_\_\_  
CenterPoint Energy/Electric Facilities  
SIGNATURE INDICATES UNDERGROUND ELECTRIC LINES ARE PROPERLY SHOWN. NO APPROVAL FOR CONSTRUCTION IS GIVEN.

Date: \_\_\_\_\_  
Approved for SBC underground conduit facilities only.  
Signature valid for one year.

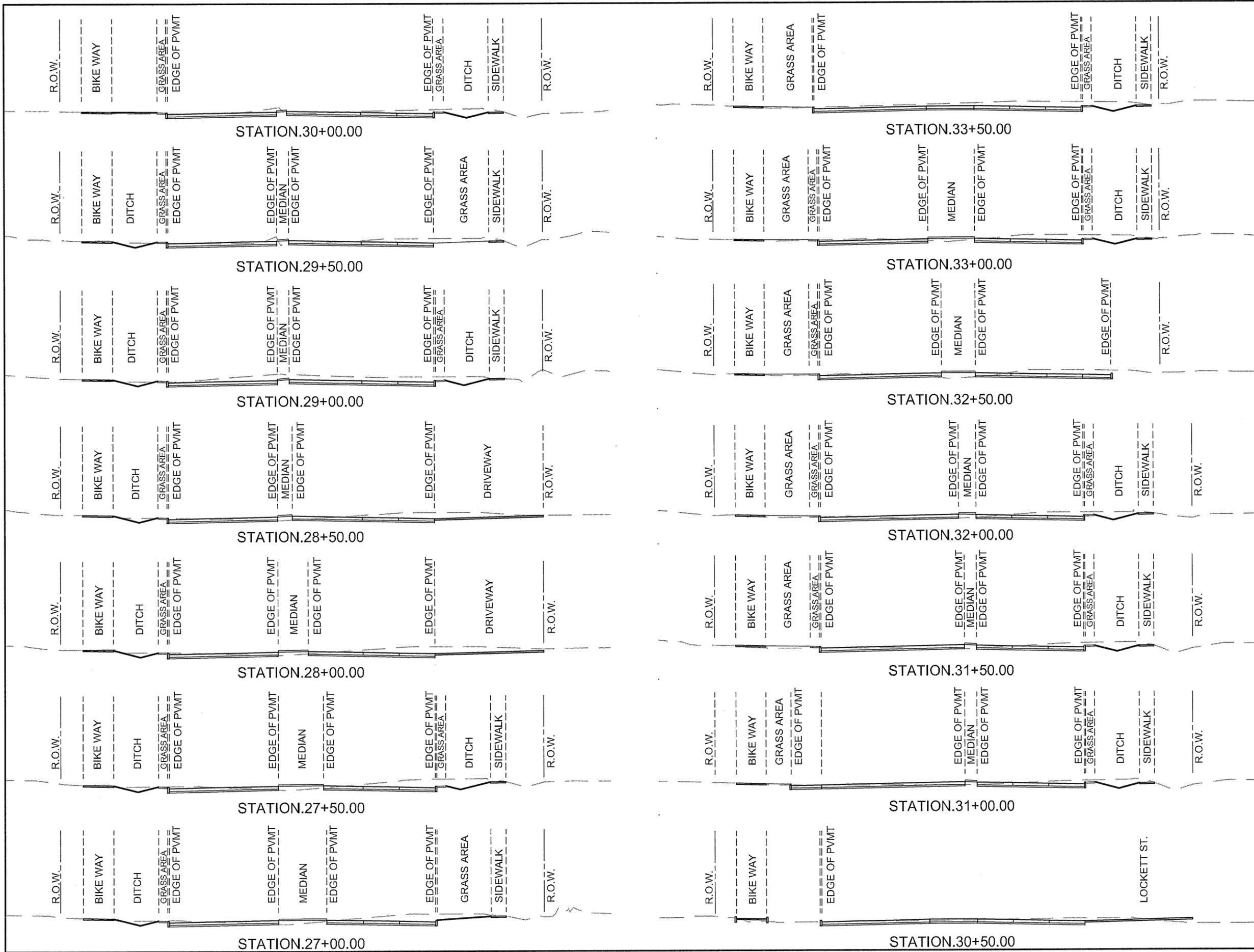
Date: \_\_\_\_\_  
CenterPoint Energy/Gas Facilities/ENTEX INCORPORATED  
(Gas service lines are not shown)

**CABLE COMPANY**  
THUSITHA SILVA, P.E.  
**WALTER P MOORE**  
WALTER P. MOORE & ASSOCIATES, INC.  
300 W. MAIN ST., SUITE 1700  
HOUSTON, TX 77002  
P: 713.282.7200 F: 713.282.7206  
TYPE PLAN REGISTRATION NUMBER 1858

**CITY OF HOUSTON**  
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING  
**ALMEDA ROAD FROM OLD SPANISH TRAIL TO S. MACGREGOR WAY**  
**CROSS SECTIONS**

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
N-000806-0001-4	
DRAWING SCALE	
VERT: AS NOTED	
HORZ: AS NOTED	
CITY OF HOUSTON PH	
MICHELLE RANDON, P.E.	
SHEET No.95COF 217	

Jun 01, 2015 4:04pm P:\C03\2011\1002-01 Alameda PH I\CAD\SS\003-11002-01-CROSS-SECTE-Alameda.dwg



**NOTE:**  
The location of existing underground utilities are shown in an approximate way only. The contractor shall contact the Utility Coordinating Committee at 713-223-4587 or 1-800-869-8344 and the City of Houston Department of Public Works and Engineering at 832-4344-8288 a minimum of two working days prior to construction to field locate utilities. The contractor shall determine the exact location of all existing utilities before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by his failure to exactly locate and preserve any and all underground utilities.

**CAUTION: UNDERGROUND GAS FACILITIES**  
Locations of CenterPoint Energy gas lines (to include CenterPoint Energy, Interstate Pipeline Inc. when applicable) are shown in an approximate location only. Service lines are usually not shown. Our signature on these plans only indicates that our facilities are shown in approximate location. It does not imply that a conflict analysis has been made. The contractor shall contact the Utility Coordinating Committee at 713-223-4587 or 1-800-869-8344 a minimum of 48 hours prior to construction to have main and service lines field located.  
\* When CenterPoint Energy gas line markings are not visible, call 713-967-8037 (7:00 am to 4:30 pm). For status of line location request before excavation begins.  
\* When excavating within eighteen inches (18") of the indicated location of CenterPoint Energy facilities, all excavation must be accomplished using non-mechanized excavation procedures.  
\* When CenterPoint Energy facilities are exposed, sufficient support must be provided to the facilities to prevent excessive stress on the piping.  
The contractor is fully responsible for any changes caused by the contractor's failure to exactly locate and preserve these underground facilities.

**WARNING: OVERHEAD ELECTRICAL FACILITIES**  
Overhead lines may exist on the property. We have not attempted to mark these lines since they are clearly visible, but you should locate them prior to beginning any construction. Texas law, Section 752, Health and Safety Code, forbids activities in which persons or things may come within six (6) feet of live overhead high voltage lines. Parties responsible for the work, including contractors, are legally responsible for the safety of construction workers under this law. This carries both criminal and civil liability. To arrange for lines to be turned off or removed call CenterPoint Energy at 713-207-2222. (Revised 2/08)

**WARNING: AT&T TEXAS/SEC FACILITIES**  
The location of AT&T Texas/SEC facilities are shown in an approximate way only. The contractor shall determine the exact location before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by failure to exactly locate and preserve these underground utilities.  
The contractor shall call 1-800-344-8377 a minimum of 48 hours prior to construction to have underground lines field located.  
When excavating within eighteen inches (18") of the indicated location of AT&T Texas/SEC facilities, all excavation must be accomplished using non-mechanized excavation procedures. When boring, the contractor shall expose the AT&T Texas/SEC facilities.  
When AT&T Texas/SEC facilities are exposed, the contractor will provide support to prevent damage to the conduit ducts or cables. When excavating near telephone poles the contractor shall brace the pole for support.  
The presence or absence of AT&T Texas/SEC underground conduit facilities does not mean that there are no direct buried cables in the area. Follow the Direct Buried Cable Procedure to locate the AT&T Texas/SEC buried cables as indicated in the AT&T Texas Research and Signature Process for AT&T Texas/SEC Facilities.  
Please contact the AT&T Texas Damage Prevention Manager Mr. Roosevelt Lee Jr. at 713-557-4822 or email him at rlee@att.net if there are questions about boring or excavating near our AT&T Texas/SEC facilities.

NO.	DATE	REVISIONS	APP.

05-29-15 ADDENDUM 4

Addendum 4

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT AT 713-207-2222

**PRIVATE UTILITY LINES SHOWN**  
AT LEAST 48 HOURS BEFORE EXCAVATING IN STREET R.O.W. OR EASEMENTS CALL THE LINE START NOTIFICATION 713-223-4587.

Date: \_\_\_\_\_  
CenterPoint Energy/Electric Facilities  
SIGNATURE INDICATES UNDERGROUND ELECTRIC LINES ARE PROPERLY SHOWN. NO APPROVAL FOR CONSTRUCTION IS GIVEN.

Date: \_\_\_\_\_  
Approved for SEC underground conduit facilities only.  
Signature valid for one year.

Date: \_\_\_\_\_  
CenterPoint Energy/Gas Facilities/ENTEX INCORPORATED  
(Gas service lines are not shown)

**CABLE COMPANY**

THUSITHA SILVA, P.E.

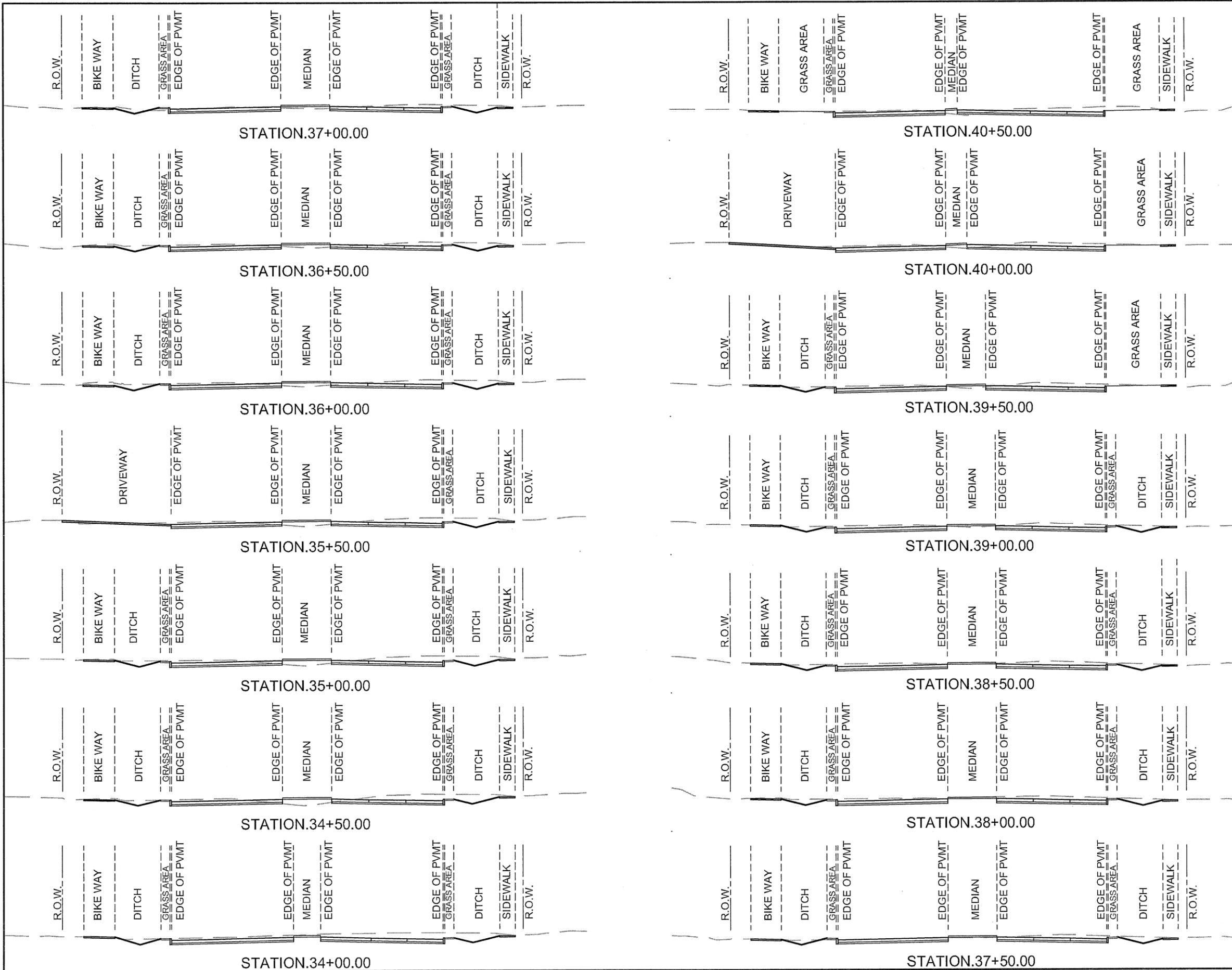
**WALTER P MOORE**

WALTER P. MOORE AND ASSOCIATES, INC.  
350 W. UNIVERSITY BLVD., SUITE 1100  
HOUSTON, TEXAS 77002  
TEL: 713.880.7300 FAX: 713.880.7399  
TXPE REGISTRATION NUMBER 1595

**CITY OF HOUSTON**  
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

**ALMEDA ROAD FROM  
OLD SPANISH TRAIL TO  
S. MACGREGOR WAY  
CROSS SECTIONS**

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
N-000806-0001-4	
DRAWING SCALE	
VERT: AS NOTED	
HORZ: AS NOTED	
CITY OF HOUSTON PW	
MICHELLE RANDON, P.E.	
SHEET No.95D0F 217	



**NOTE:**  
 The location of existing underground utilities are shown in an approximate way only. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-869-8344 and the City of Houston Department of Public Works and Engineering at 832-334-2098 a minimum of two working days prior to construction to field locate utilities. The contractor shall determine the exact location of all existing utilities before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by his failure to exactly locate and preserve any and all underground utilities.

**CAUTION: UNDERGROUND GAS FACILITIES**  
 Locations of CenterPoint Energy gas lines (to include CenterPoint Energy, Intrastate Pipeline Inc. when applicable) are shown in an approximate location only. Service lines are usually not shown. Our signature on these plans only indicates that our facilities are shown in approximate location. It does not imply that a conflict analysis has been made. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-869-8344 a minimum of 48 hours prior to construction to have main and service lines field located.  
 \* When CenterPoint Energy gas line markings are not visible, call 713-967-8037 (7:00 am to 4:30 pm). For status of line location request before excavation begins.  
 \* When excavating within eighteen inches (18") of the indicated location of CenterPoint Energy facilities, all excavations must be accomplished using non-mechanized excavation procedures.  
 \* When CenterPoint Energy facilities are exposed sufficient support must be provided to the facilities to prevent excessive stress on the piping.  
 The contractor is fully responsible for any changes caused by the contractor's failure to exactly locate and preserve these underground facilities.

**WARNING: OVERHEAD ELECTRICAL FACILITIES**  
 Overhead lines may exist on the property. We have not attempted to mark these lines since they are clearly visible, but you should locate them prior to beginning any construction. Texas law, Section 75C, Health and Safety Code, forbids all activities in which persons or things may come within six (6) feet of live overhead high voltage lines. Parties responsible for the work, including contractors, are legally responsible for the safety of construction workers under this law. This carries both criminal and civil liability. To arrange for lines to be turned off or removed call CenterPoint Energy at 713-227-2222. (Revised 2008)

**WARNING: ABB TAPES/SSC FACILITIES**  
 The locations of ABB Tapes/SSC facilities are shown in an approximate way only. The contractor shall determine the exact location before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by failure to exactly locate and preserve these underground utilities.  
 The contractor shall call 1-800-344-8377 a minimum of 48 hours prior to construction to have underground lines field located.  
 When excavating within eighteen inches (18") of the indicated location of ABB Tapes/SSC facilities, all excavations must be accomplished using non-mechanized excavation procedures. When boring, the contractor shall expose the ABB Tapes/SSC facilities.  
 When ABB Tapes/SSC facilities are exposed, the contractor will provide support to prevent damage to the central ducts or cables. When excavating near telephone poles the contractor shall brace the pole for support.  
 The presence or absence of ABB Tapes/SSC underground conduit facilities does not mean that there are no direct buried cables in the area. Follow the Direct Buried Cable Procedure to locate the ABB Tapes/SSC buried cables as indicated in the ABB Tapes Research and Signature Process for ABB Tapes/SSC facilities.  
 Please contact the ABB Tapes Damage Prevention Manager Mr. Roosevelt Lee Jr. at 713-651-4952 or email him at rlee@abb.com if there are questions about boring or excavating near our ABB Tapes/SSC facilities.

NO.	DATE	REVISIONS	APP.

Addendum 4

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT AT 713-227-2222

**PRIVATE UTILITY LINES SHOWN**  
 AT LEAST 48 HOURS BEFORE EXCAVATING IN STREET R.O.W. OR EASEMENTS CALL THE LINE STAFF NOTIFICATION 713-223-4567.

Date: \_\_\_\_\_  
 CenterPoint Energy/Electric Facilities  
 SIGNATURE INDICATES UNDERGROUND ELECTRIC LINES ARE PROPERLY SHOWN. NO APPROVAL FOR CONSTRUCTION IS GIVEN.

Date: \_\_\_\_\_  
 Approved for SSC underground conduit facilities only.  
 Signatures valid for one year.

Date: \_\_\_\_\_  
 CenterPoint Energy/Gas Facilities/ENTEX INCORPORATED  
 (Gas service lines are not shown)

**CABLE COMPANY**  
 THUSITHA SILVA, P.E.  
**WALTER P MOORE**  
 WALTER P. MOORE AND ASSOCIATES, INC.  
 300 "MCQUEEN" SUITE 1100  
 HOUSTON, TEXAS 77056  
 P: 281.773.8822 FAX: 281.773.8222  
 TSP# FIRM REGISTRATION NUMBER 1596

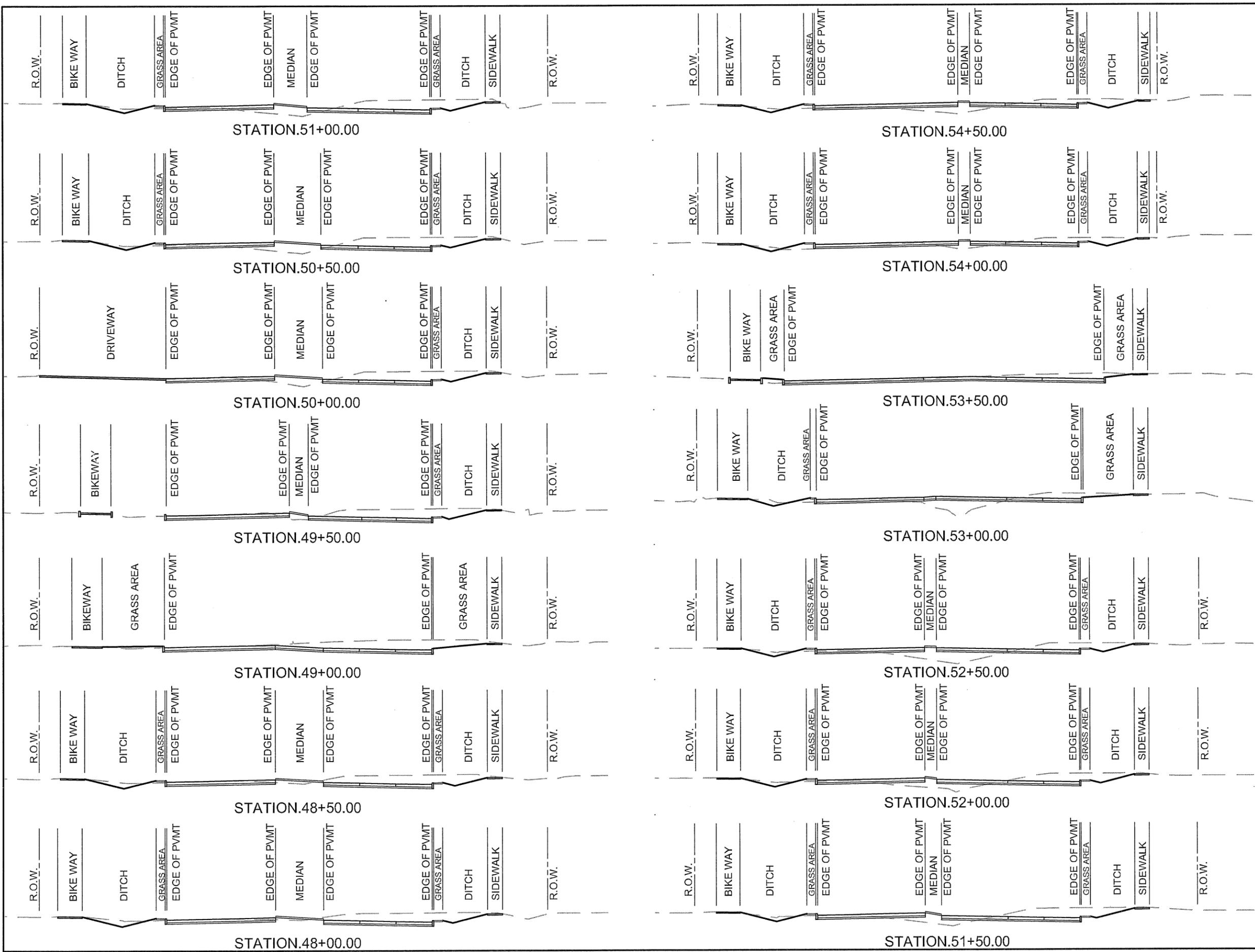
**CITY OF HOUSTON**  
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

**ALMEDA ROAD FROM  
 OLD SPANISH TRAIL TO  
 S. MACGREGOR WAY  
 CROSS SECTIONS**

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
N-000806-0001-4	
DRAWING SCALE	
VERT: AS NOTED	
HORIZ: AS NOTED	
CITY OF HOUSTON PM	
MICHELLE RANDON, P.E.	
<b>▲ SHEET NO.95 OF 217</b>	



Jun 01, 2015 - 4:06pm F:\030320\111\1002-01 Alameda PH I\ICad\Site\1002-01-CROSS-SECTS-Alameda.dwg



**NOTE:**  
 The location of existing underground utilities are shown in an approximate way only. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-869-8344 and the City of Houston Department of Public Works and engineering at 832-394-9058 a minimum of two working days prior to construction to field locate utilities. The contractor shall determine the exact location of all existing utilities before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by his failure to exactly locate and preserve any and all underground utilities.

**CAUTION: UNDERGROUND GAS FACILITIES**  
 Locations of CenterPoint Energy main lines (to include CenterPoint Energy, Intralite Pipeline, etc. when applicable) are shown in an approximate location only. Service lines are usually not shown. Our signature on these plans only indicates that our facilities are shown in approximate location. It does not imply that a conflict analysis has been made. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-869-8344 a minimum of 48 hours prior to construction to have main and service lines field located.

- \* When CenterPoint Energy pipe line markings are not visible, call 713-967-0037 (7:00 am to 4:30 pm) for status of line location request before excavation begins.
- \* When excavating within eighteen inches (18") of the indicated location of CenterPoint Energy facilities, all excavation must be accomplished using non-mechanized excavation procedures.
- \* When CenterPoint Energy facilities are exposed, sufficient support must be provided to the facilities to prevent, excessive stress on the piping.

The contractor is fully responsible for any damages caused by the contractor's failure to exactly locate and preserve these underground facilities.

**WARNING: OVERHEAD ELECTRICAL FACILITIES**  
 Overhead lines may exist on the property. We have not attempted to mark these lines since they are clearly visible, but you should locate them prior to beginning any construction. Texas law, Section 252, Health and Safety Code, forbids activities in which persons or things may come within six (6) feet of live overhead high voltage lines. Parties responsible for the work, including contractors, are legally responsible for the safety of construction workers under this law. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-869-8344 a minimum of 48 hours prior to construction to have main and service lines field located.

**WARNING: ARIE TAPES/SEC FACILITIES**  
 The location of ARIE Tapes/SEC facilities are shown in an approximate way only. The contractor shall determine the exact location before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by failure to exactly locate and preserve these underground utilities.

The contractor shall call 1-800-394-6377 a minimum of 48 hours prior to construction to have underground lines field located.

When excavating within eighteen inches (18") of the indicated location of ARIE Tapes/ SEC facilities, all excavations must be accomplished using non-mechanized excavation procedures. When boring, the contractor shall expose the ARIE Tapes/SEC facilities.

When ARIE Tapes/SEC facilities are exposed, the contractor will provide support to prevent damage to the conduit, ducts or cables. When excavating near telephone poles the contractor shall brace the pole for support.

The presence or absence of ARIE Tapes/SEC underground conduit facilities does not mean that there are no direct buried cables in the area. Follow the Direct Buried Cable Procedure to locate the ARIE Tapes/SEC buried cables or cables in the ARIE Tapes Research and Signature Process for ARIE Tapes/SEC facilities.

Please contact the ARIE Tapes Damage Prevention Manager W. Rosevelt Lee Jr. at 713-651-4652 or email him at [wrlee@cityofhouston.org](mailto:wrlee@cityofhouston.org) if there are questions about boring or excavating near our ARIE Tapes/SEC facilities.

NO.	DATE	REVISIONS	APP.

Addendum 4

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT AT 713-227-2222

**PRIVATE UTILITY LINES SHOWN**  
 AT LEAST 48 HOURS BEFORE EXCAVATING IN STREET R.O.W. OR EASEMENTS CALL THE ONE STAR NOTIFICATION 713-223-4567.

Date: \_\_\_\_\_  
 CenterPoint Energy/Electric Facilities  
 SIGNATURE INDICATES UNDERGROUND ELECTRIC LINES ARE PROPERLY SHOWN. NO APPROVAL FOR CONSTRUCTION IS GIVEN.

Date: \_\_\_\_\_  
 Approved for SEC underground conduit facilities only.  
 Signature valid for one year.

Date: \_\_\_\_\_  
 CenterPoint Energy/Gas Facilities/ENTEX INCORPORATED  
 (Gas service lines are not shown)

CABLE COMPANY

THUSITHA SILVA, P.E.

**WALTER P MOORE**

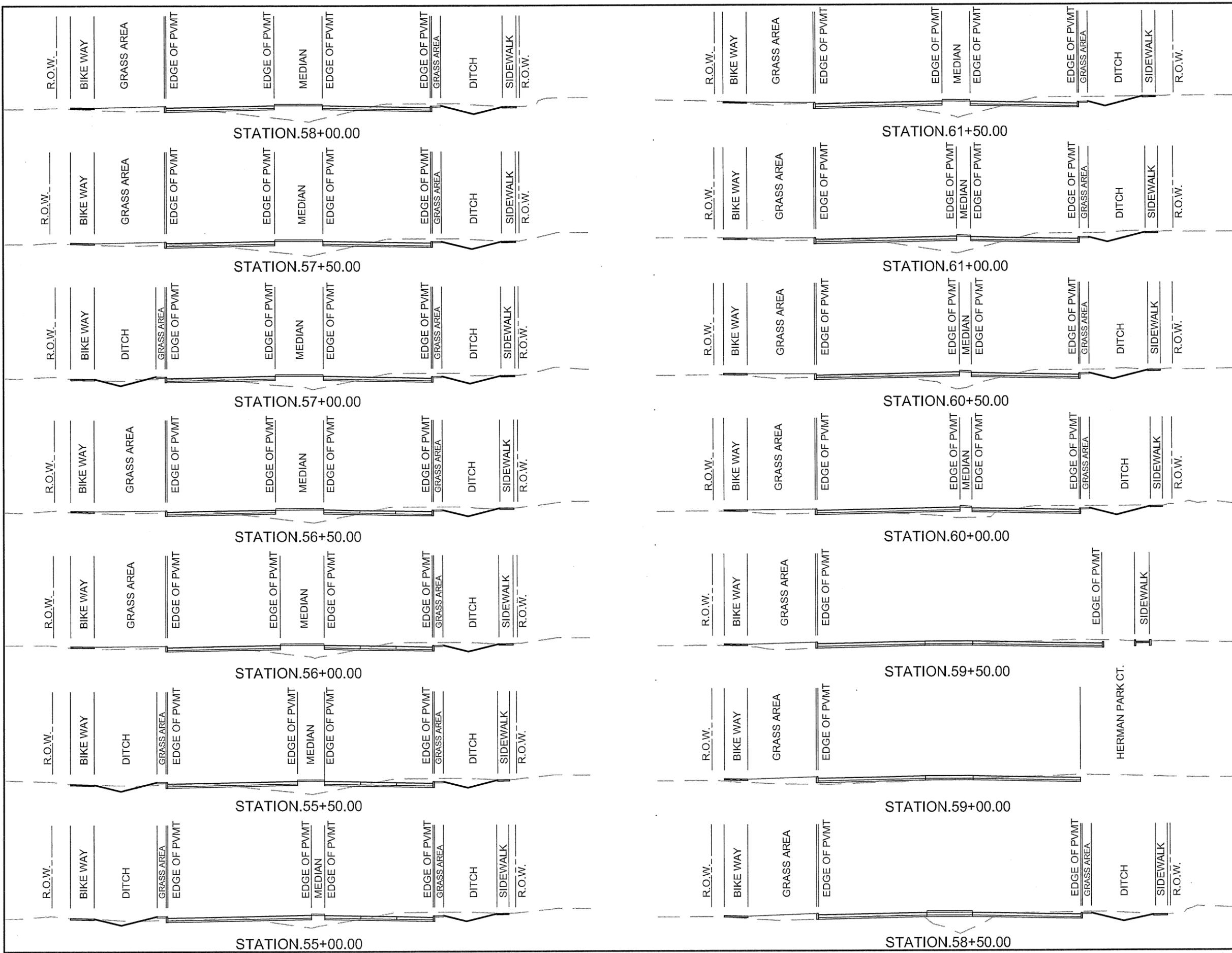
REGISTERED PROFESSIONAL ENGINEER  
 STATE OF TEXAS  
 No. 14624  
 WALTER P. MOORE, P.E. ASSOCIATES, INC.  
 301 W. MAIN ST., SUITE 1100  
 HOUSTON, TEXAS 77002  
 P: 713.880.7300 F: 713.880.7399  
 TEPER REGISTRATION NUMBER 1826

**CITY OF HOUSTON**  
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

**ALMEDA ROAD FROM  
 OLD SPANISH TRAIL TO  
 S. MACGREGOR WAY  
 CROSS SECTIONS**

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
N-000806-0001-4	
DRAWING SCALE	
VERT: AS NOTED	
HORZ: AS NOTED	
CITY OF HOUSTON PM	
MICHELLE RANDON, P.E.	
<b>SHEET NO.95GOF 217</b>	

Jun 01, 2015 - 4:06pm F:\03092011\11092-01 Alameda PH I\ICad\Site\11092-01-CROSS-SECTIONS-Alameda.dwg



**NOTE:**  
The location of existing underground utilities are shown in an approximate way only. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-869-8344 and the City of Houston Department of Public Works and engineering at 832-394-8686 a minimum of two working days prior to construction to field locate utilities. The contractor shall determine the exact location of all existing utilities before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by his failure to exactly locate and preserve any and all underground utilities.

**CAUTION: UNDERGROUND GAS FACILITIES**  
Location of CenterPoint Energy main lines to include CenterPoint Energy, Interstate Pipeline Inc. where applicable are shown in an approximate location only. Service lines are usually not shown. Our signature on these plans only indicates that our facilities are shown in approximate location. It does not imply that a conflict analysis has been made. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-869-8344 a minimum of 48 hours prior to construction to have main and service lines field located.

- \* When CenterPoint Energy pipe line markings are not visible, call 713-967-8037 (7:00 am to 4:30 pm). For status of line location request before excavation begins.
- \* When excavating within eighteen inches (18") of the indicated location of CenterPoint Energy facilities, all excavation must be accomplished using non-mechanized excavation procedures.
- \* When CenterPoint Energy facilities are exposed, sufficient support must be provided to the facilities to prevent excessive stress on the piping.

The contractor is fully responsible for any damages caused by the contractor's failure to exactly locate and preserve these underground facilities.

**WARNING: OVERHEAD ELECTRICAL FACILITIES**  
Overhead lines may exist on the property. We have not attempted to mark these lines since they are easily visible, but you should locate them prior to beginning any construction. Texas law, Section 752, Health and Safety code, forbids activities in which persons or things may come within six (6) feet of live overhead high voltage lines. Parties responsible for the work, including contractors, are legally responsible for the safety of construction workers under this law. This carries both criminal and civil liability. To arrange for lines to be turned off or removed call CenterPoint Energy at 713-223-2222. Revised 2008

**WARNING: ABBEY/TEAS/SEC FACILITIES**  
The locations of ABBEY/TEAS/SEC facilities are shown in an approximate way only. The contractor shall determine the exact location before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by failure to exactly locate and preserve these underground utilities.

The contractor shall call 1-800-344-6377 a minimum of 48 hours prior to construction to have underground lines field located.

When excavating within eighteen inches (18") of the indicated location of ABBEY/TEAS/SEC facilities, all excavation must be accomplished using non-mechanized excavation procedures. When boring, the contractor shall expose the ABBEY/TEAS/SEC facilities.

When ABBEY/TEAS/SEC facilities are exposed, the contractor will provide support to prevent collapse to the conduit ducts or cables. When excavating near telephone poles the contractor shall brace the pole for support.

The presence or absence of ABBEY/TEAS/SEC underground conduit facilities does not mean that there are no direct buried cables in the area. Follow the Direct Buried Cable Procedure to locate the ABBEY/TEAS/SEC buried cables as indicated in the ABBEY/TEAS/SEC Research and Signature Process for ABBEY/TEAS/SEC Facilities.

Please contact the ABBEY/TEAS/SEC Damage Prevention Manager W. Roosevelt Lee Jr. at 713-223-4622 or email him at [WRoselee@cityofhouston.com](mailto:WRoselee@cityofhouston.com) if there are questions about locating or excavating near our ABBEY/TEAS/SEC facilities.

NO.	DATE	REVISIONS	APP.

Addendum 4

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT AT 713-223-2222.

**PRIVATE UTILITY LINES SHOWN**  
AT LEAST 48 HOURS BEFORE EXCAVATING IN STREET R.O.W. OR EASEMENTS CALL THE LONG STAR NOTIFICATION 713-223-4687.

Date: \_\_\_\_\_  
CenterPoint Energy/Electric Facilities  
SIGNATURE INDICATES UNDERGROUND ELECTRIC LINES ARE PROPERLY SHOWN. NO APPROVAL FOR CONSTRUCTION IS GIVEN.

Date: \_\_\_\_\_  
Approved for SDC underground conduit facilities only.  
Signature valid for one year.

Date: \_\_\_\_\_  
CenterPoint Energy/Gas Facilities/ENTEX INCORPORATED  
(Gas service lines are not shown)

CABLE COMPANY

THUSITHA SILVA, P.E.

**WALTER P MOORE**

WALTER P. MOORE & ASSOCIATES, INC.  
301 W. UNIVERSITY, SUITE 1100  
HOUSTON, TEXAS 77002  
P: 713-230-7300 F: 713-230-7399  
TXPE PERM REGISTRATION NUMBER 1656

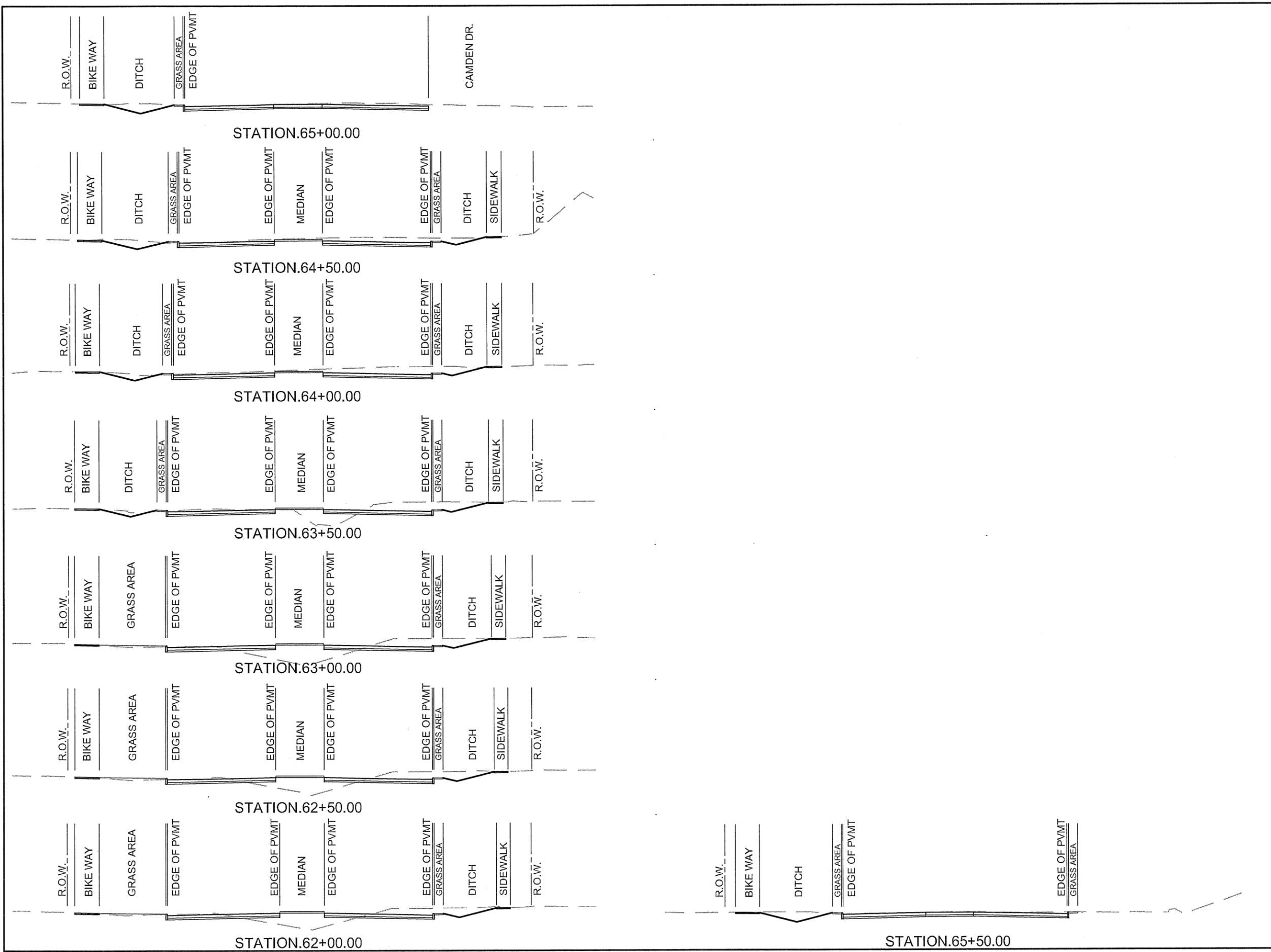
5/29/16

**CITY OF HOUSTON**  
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

**ALAMEDA ROAD FROM  
OLD SPANISH TRAIL TO  
S. MACGREGOR WAY  
CROSS SECTIONS**

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
N-000806-0001-4	
DRAWING SCALE	
VERT: AS NOTED	
HORZ: AS NOTED	
CITY OF HOUSTON PM	
MICHELLE RANDON, P.E.	
<b>SHEET NO. 95HOF 217</b>	

Jun 01, 2015 - 4:07pm P:\0302011\11002-01 Alameda PH IIC\06\Site\06-11002-01-CROSS-SECTIONS-Alameda.dwg



**NOTE:**  
 The location of existing underground utilities are shown in an approximate way only. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-869-8344 and the City of Houston Department of Public Works and Engineering at 832-394-8068 a minimum of two working days prior to construction to field locate utilities. The contractor shall determine the exact location of all existing utilities before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by his failure to exactly locate and preserve any and all underground utilities.

**CAUTION: UNDERGROUND GAS FACILITIES**  
 Location of CenterPoint Energy main lines to include CenterPoint Energy, Intralate Pipeline Inc. where applicable are shown in an approximate location only. Service lines are usually not shown. Our signature on these plans only indicates that our facilities are shown in approximate location. It does not imply that a conflict analysis has been made. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-869-8344 a minimum of 48 hours prior to construction to have main and service lines field located.  
 \* When Center Point Energy pipe line markings are not visible, call 713-667-8037 (7:00 am to 4:30 pm) for status of the location request before excavation begins.  
 \* When excavating within eighteen inches (18") of the indicated location of Center Point Energy facilities, of excavation must be accomplished using non-mechanized excavation procedures.  
 \* When Center Point Energy facilities are exposed, sufficient support must be provided to the facilities to prevent excessive stress on the piping.  
 The contractor is fully responsible for any damages caused by the contractor's failure to exactly locate and preserve these underground facilities.

**WARNING: OVERHEAD ELECTRICAL FACILITIES**  
 Overhead lines may exist on the property. We have not attempted to mark these lines since they are easily visible, but you should look them prior to beginning any construction. Texas law, Section 752, Health and Safety Code, forbids activities in which persons or things may come within six (6) feet of the overhead high voltage lines. Parties responsible for the work, including contractors, are held responsible for the safety of construction workers under this law. This carries both criminal and civil liability. To arrange for lines to be turned off or removed call CenterPoint Energy at 713-223-2222. Revised 2015

**WARNING: AT&T TDS/SSC FACILITIES**  
 The locations of AT&T TDS/SSC facilities are shown in an approximate way only. The contractor shall determine the exact location before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by failure to exactly locate and preserve these underground utilities.  
 The contractor shall call 1-800-344-6377 a minimum of 48 hours prior to construction to have underground lines field located.  
 When excavating within eighteen inches (18") of the indicated location of AT&T TDS/SSC facilities, of excavations must be accomplished using non-mechanized excavation procedures. When boring, the contractor shall expose the AT&T TDS/SSC facilities.  
 When AT&T TDS/SSC facilities are exposed, the contractor will provide support to prevent collapse to the conduit ducts or cables. When excavating near telephone poles the contractor shall brace the pole for support.  
 The presence or absence of AT&T TDS/SSC underground conduit facilities does not mean that there are no direct buried cables in the area. Follow the Direct Buried Cable Procedure to locate the AT&T TDS/SSC buried cables as indicated in the AT&T TDS/SSC Research and Signature Process for AT&T TDS/SSC Facilities.  
 Please contact the AT&T TDS/SSC Damage Prevention Manager W. Roosevelt Lee Jr. at 713-667-8622 or email him at [wrlee@att.net](mailto:wrlee@att.net) if there are questions about boring or excavating near our AT&T TDS/SSC facilities.

NO.	DATE	REVISIONS	APP.

Addendum 4

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT AT 713-223-2222

**PRIVATE UTILITY LINES SHOWN**  
 AT LEAST 48 HOURS BEFORE EXCAVATING IN STREET R.O.W. OR EASEMENTS CALL THE LONG STAR NOTIFICATION 713-223-4667.

Date: \_\_\_\_\_  
 CenterPoint Energy/Electric Facilities  
 SIGNATURE INDICATES UNDERGROUND ELECTRIC LINES ARE PROPERLY SHOWN. NO APPROVAL FOR CONSTRUCTION IS GIVEN.

Date: \_\_\_\_\_  
 Approved for SBC underground conduit facilities only.  
 Signature valid for one year.

Date: \_\_\_\_\_  
 CenterPoint Energy/Gas Facilities/INTEK INCORPORATED  
 (Gas service lines are not shown)

CABLE COMPANY  
 THUSITHA SILVA, P.E.  
 WALTER P MOORE  
 WALTER P MOORE, INC. 10004 N. 113<sup>RD</sup> ABBOTT ROAD, INC.  
 300 W. UNIVERSITY, SUITE 1100  
 HOUSTON, TEXAS 77050  
 P: 281.738.8200 FAX: 281.738.8200  
 TEXAS PROFESSIONAL REGISTRATION NUMBER 1606

**CITY OF HOUSTON**  
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

**ALMEDA ROAD FROM  
 OLD SPANISH TRAIL TO  
 S. MACGREGOR WAY  
 CROSS SECTIONS**

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
N-000806-0001-4	
DRAWING SCALE	
VERT: AS NOTED	
HORZ: AS NOTED	
CITY OF HOUSTON PM	
MICHELLE RANDON, P.E.	
SHEET NO. 951 OF 217	

Baseline station	ADJUSTED	
	Cut	Fill
6+50.0000	0	0
7+00.0000	7.526	8.056
7+50.0000	8.056	4.558
8+00.0000	16.748	3.922
8+50.0000	14.946	2.968
9+00.0000	12.826	2.544
9+50.0000	16.748	4.028
10+00.0000	23.214	26.924
10+50.0000	50.456	56.71
11+00.0000	43.46	75.578
11+50.0000	31.906	88.616
12+00.0000	41.764	109.604
12+50.0000	48.23	139.814
13+00.0000	50.668	162.392
13+50.0000	42.082	174.158
14+00.0000	46.64	166.42
14+50.0000	47.594	142.252
15+00.0000	39.008	164.83
15+50.0000	19.398	222.388
16+00.0000	9.222	194.51
16+50.0000	9.646	126.14
17+00.0000	15.052	123.384
17+50.0000	19.504	185.924
18+00.0000	19.292	221.54
18+50.0000	32.33	187.726
19+00.0000	44.52	156.244
19+50.0000	64.236	139.92
20+00.0000	94.764	128.684
20+50.0000	97.52	141.404
21+00.0000	86.602	162.18
21+50.0000	79.712	108.968
22+00.0000	100.594	69.218
22+50.0000	132.288	80.878
23+00.0000	136.316	64.13
23+50.0000	151.898	46.322
24+00.0000	175.218	45.05
24+50.0000	182.532	50.88
25+00.0000	193.132	48.442
25+50.0000	203.308	46.428
26+00.0000	209.88	44.626
26+50.0000	222.494	50.774
27+00.0000	237.334	71.232
27+50.0000	239.242	84.588
28+00.0000	223.978	71.656
28+50.0000	195.888	55.862
29+00.0000	268.498	37.736

29+50.0000	275.494	44.414
30+00.0000	177.338	48.76
30+50.0000	121.052	36.994
31+00.0000	93.174	59.996
31+50.0000	114.586	83.316
32+00.0000	123.596	82.892
32+50.0000	131.758	87.768
33+00.0000	154.76	74.518
33+50.0000	220.586	24.592
34+00.0000	271.042	1.378
34+50.0000	237.758	54.908
35+00.0000	190.694	97.096
35+50.0000	177.656	75.684
36+00.0000	160.06	58.3
36+50.0000	146.81	57.24
37+00.0000	130.062	64.66
37+50.0000	114.268	50.138
38+00.0000	135.68	19.504
38+50.0000	167.056	12.614
39+00.0000	179.564	18.974
39+50.0000	192.284	23.956
40+00.0000	163.77	36.782
40+50.0000	153.17	44.202
41+00.0000	126.564	61.798
41+50.0000	72.08	45.474
42+00.0000	50.244	12.932
42+50.0000	43.672	9.752
43+00.0000	96.248	4.558
43+50.0000	134.726	2.65
44+00.0000	144.266	7.95
44+50.0000	188.786	10.6
45+00.0000	280.052	4.982
45+50.0000	371.212	5.406
46+00.0000	402.906	7.95
46+50.0000	397.076	12.296
47+00.0000	375.77	21.412
47+50.0000	354.146	32.012
48+00.0000	335.596	42.294
48+50.0000	342.38	30.74
49+00.0000	383.19	11.448
49+50.0000	369.622	34.45
50+00.0000	315.986	96.036

50+50.0000	310.58	153.488
51+00.0000	331.886	173.31
51+50.0000	307.294	144.584
52+00.0000	251.432	156.88
52+50.0000	208.29	236.38
53+00.0000	160.272	306.34
53+50.0000	125.398	213.802
54+00.0000	129.108	133.666
54+50.0000	150.626	180.094
55+00.0000	165.36	194.934
55+50.0000	159.424	200.658
56+00.0000	153.064	184.864
56+50.0000	151.792	186.136
57+00.0000	163.982	189.21
57+50.0000	117.554	235.108
58+00.0000	55.226	353.298
58+50.0000	43.99	403.33
59+00.0000	45.474	316.516
59+50.0000	49.184	231.716
60+00.0000	52.788	266.908
60+50.0000	84.482	315.774
61+00.0000	119.038	286.836
61+50.0000	133.454	242.634
62+00.0000	144.69	234.26
62+50.0000	172.992	250.054
63+00.0000	192.92	274.434
63+50.0000	200.552	286.836
64+00.0000	207.124	154.972
64+50.0000	170.448	22.154
65+00.0000	92.008	32.648
65+50.0000	36.04	40.916
66+00.0000	22.048	42.93
66+50.0000	34.768	31.694
67+00.0000	64.66	9.434
67+50.0000	86.284	2.226
68+00.0000	79.924	62.222

Projected Cut= 17597 CuYds  
 Projected Fill= 12665 CuYds

**NOTE:**  
 The location of existing underground utilities are shown in an approximate way only. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-869-8344 and the City of Houston Department of Public Works and Engineering at 532-334-2028 a minimum of two working days prior to construction to field locate utilities. The contractor shall determine the exact location of all existing utilities before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by his failure to exactly locate and preserve any and all underground utilities.

**CAUTION: UNDERGROUND GAS FACILITIES**  
 Locations of CenterPoint Energy main lines (to include CenterPoint Energy, Intralube Pipeline Inc. when applicable) are shown in an approximate location only. Station lines are usually not shown. Our signature on these plans only indicates that our facilities are shown in approximate location. It does not imply that a conflict analysis has been made. The contractor shall contact the Utility Coordinating Committee at 713-223-4567 or 1-800-869-8344 a minimum of 48 hours prior to construction to have main and service lines field located.  
 \* When CenterPoint Energy pipe line markings are not visible, call 713-967-8037 (7:00 am to 4:30 pm). For status of line location request before excavation begins.  
 \* When excavating within eighteen inches (18") of the indicated location of CenterPoint Energy facilities, all excavation must be accomplished using non-mechanized excavation procedures.  
 \* When CenterPoint Energy facilities are exposed, sufficient support must be provided to the facilities to prevent excessive stress on the piping.  
 The contractor is fully responsible for any damages caused by the contractor's failure to exactly locate and preserve these underground facilities.

**WARNING: OVERHEAD ELECTRICAL FACILITIES**  
 Overhead lines may exist on the property. We have not attempted to mark those lines since they are clearly visible, but you should locate them prior to beginning any construction. Texas law, Section 752, Health and Safety Code, forbids activities in which persons or things may come within six (6) feet of live overhead high voltage lines. Parties responsible for the work, including contractors, are legally responsible for the safety of construction workers under this law. This carries both criminal and civil liability. To arrange for lines to be turned off or removed call CenterPoint Energy at 713-207-2222. Revised 2/08

**WARNING: AT&T TEXAS/SEC FACILITIES**  
 The locations of AT&T Texas/SEC facilities are shown in an approximate way only. The contractor shall determine the exact location before commencing work. He agrees to be fully responsible for any and all damages which might be occasioned by failure to exactly locate and preserve these underground utilities.  
 The contractor shall call 1-800-344-5577 a minimum of 48 hours prior to construction to have underground lines field located.  
 When excavating within eighteen inches (18") of the indicated location of AT&T Texas/SEC facilities, all excavation must be accomplished using non-mechanized excavation procedures. When boring, the contractor shall expose the AT&T Texas/SEC facilities.  
 When AT&T Texas/SEC facilities are exposed, the contractor will provide support to prevent damage to the conduit, ducts or cables. When excavating near telephone poles the contractor shall brace the pole for support.  
 The presence or absence of AT&T Texas/SEC underground conduit facilities does not mean that there are no direct buried cables in the area. Follow the Direct Buried Cable Procedure to locate the AT&T Texas/SEC buried cables as indicated in the AT&T Texas Research and Signature Process for AT&T Texas/SEC Facilities.  
 Please contact the AT&T Texas Damage Prevention Manager W. Roosevelt Lee Jr. at 713-563-6532 or email him at wlee@att.com. If there are questions about boring or excavating near our AT&T Texas/SEC facilities.

15-28-15 ADDENDUM 4

NO.	DATE	REVISIONS	APP.

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT AT 713-207-2222

**PRIVATE UTILITY LINES SHOWN**  
 AT LEAST 48 HOURS BEFORE EXCAVATING IN STREET R.O.W. OR EASEMENTS CALL THE LONG STAR NOTIFICATION 713-223-4567.

Date: \_\_\_\_\_  
 CenterPoint Energy/Electric Facilities  
 SIGNATURE INDICATES UNDERGROUND ELECTRIC LINES ARE PROPERLY SHOWN. NO APPROVAL FOR CONSTRUCTION IS GIVEN.

Date: \_\_\_\_\_  
 Approved for SEC underground conduit facilities only.  
 Signature valid for one year.

Date: \_\_\_\_\_  
 CenterPoint Energy/Gas Facilities/ENTEX INCORPORATED  
 (Gas service lines are not shown)

CABLE COMPANY  
 THUSITHA SILVA, P.E.  
 WALTER P MOORE  
 WALTER P MOORE ASSOCIATES, INC.  
 300 MOORE BUILDING  
 HOUSTON, TEXAS 77002  
 P: 713-836-7300 F: 713-836-7396  
 TEXAS PROFESSIONAL REGISTRATION NUMBER 1886



**CITY OF HOUSTON**  
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

**ALMEDA ROAD FROM  
 OLD SPANISH TRAIL TO  
 S. MACGREGOR WAY  
 CROSS SECTIONS**

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
N-000806-0001-4	
DRAWING SCALE	
VERT: AS NOTED	
HORZ: AS NOTED	
CITY OF HOUSTON PM	
MICHELLE RANDON, P.E.	

15 SHEET NO.95 OF 217