



**PERMIT APPLICATION REVIEW FORM FOR
CABLE, CONDUIT, AND POLE LINE ACTIVITY
IN FORT BEND COUNTY**

**Fort Bend County
Engineering Department**
301 Jackson Suite 401
Richmond, Texas 77469
281.633.7500
Permits@fortbendcountytx.gov

- Right of Way Permit
 Commercial Driveway Permit

Permit No: 2017-17520

The following "Notice of Proposed Cable, Conduit, and/or Pole Line activity in Fort Bend County" and accompanying attachments have been reviewed and the notice conforms to appropriate regulations set by Commissioner's Court of Fort Bend County, Texas.

(1) COMPLETE APPLICATION FORM:

- a. Name of road, street, and/or drainage ditch affected.
 b. Vicinity map showing course of directions
 c. Plans and specifications

(2) BOND:

- County Attorney, approval when applicable.
- Perpetual bond currently posted. Bond No: _____ Amount: _____
- Performance bond submitted. Bond No: XXXXXXXXXX Amount: \$5,000.00
- Cashier's Check Check No: _____ Amount: _____

(3) DRAINAGE DISTRICT APPROVAL (WHEN APPLICABLE):

Drainage District Approval

Date

We have reviewed this project and agree it meets minimum requirements.

Charles O. Ay

Permit Administrator

1/10/2018

Date



REVIEW BY FORT BEND COUNTY
COMMISSIONERS COURT

Fort Bend County
Engineering Department
301 Jackson Suite 401
Richmond, Texas 77469
281.633.7500
Permits@fortbendcountytx.gov

Right of Way Permit

Commercial Driveway Permit

Permit No: 2017-17520

Applicant: B Bell Builders

Job Location Site: 6527-A Ricefield Road, Richmond, TX 77469

Bond No. **Date of Bond:** 12/12/2017 **Amount:** \$5,000.00

The above applicant came to make use of certain Fort Bend County property subject to, "The Order Regulating the Laying, Construction, Maintenance, and Repair of Buried Cables, Conduits, and Pole Lines, In, Under, Across or Along Roads, Streets, Highways, and Drainage Ditches in Fort Bend County, Texas, Under the Jurisdiction of the Commissioners Court of Fort Bend County, Texas," as passed by the Commissioners Court of Fort Bend County, Texas, of the Minutes of the Commissioners Court of Fort Bend County, Texas, to the extent that such order is not inconsistent with Chapter 181, Vernon's Texas Statutes and Codes Annotated.

Notes:

1. Evidence of review by the Commissioners Court must be kept on the job site and failure to do so constitutes grounds for job shutdown.
2. Written notices are required:
 - a. 48 hours in advance of construction start up, and
 - b. When construction is completed and ready for final inspection, submit notification to Permit Administrator thru MyGovernmentOnline.org portal.
3. This permit expires one (1) year from date of permit if construction has not commenced.

On this 23rd day of January, 2018, Upon Motion of Commissioner _____, seconded by Commissioner _____, duly put and carried, it is ORDERED, ADJUDGED AND DECREED that said notice of said above purpose is hereby acknowledged by the Commissioners Court of Fort Bend County, Texas, and that said notice be placed on record according to the regulation order thereof.

Signature

Presented to Commissioners Court and approved.

By: 
County Engineer

Date Recorded _____ Comm. Court No. _____

By: N/A
Drainage District Engineer/Manager

Clerk of Commissioners Court

By: _____
Deputy

**PERFORMANCE BOND COVERING ALL CABLE, CONDUIT AND/OR POLE LINE
ACTIVITY IN, UNDER, ACROSS OR ALONG FORT BEND COUNTY ROAD,
COMMERCIAL DRIVEWAY AND MEDIAN OPENINGS OR MODIFICATIONS
(AUTHORIZED)**

BOND NO [REDACTED]

THE STATE OF TEXAS §

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF FORT BEND §

THAT WE, B. Bell Builders, LP whose (address, phone) is 104 Industrial Blvd., #100, Houston, Texas, 77478, 281-276-1500, hereinafter called the Principal, and The Hanover Insurance Company, a Corporation existing under and by virtue of the laws of the state of Texas and authorized to do an indemnifying business in the state of Texas, and whose principal office is located at (name/address/phone) 440 Lincoln Street, Worcester, MA 01653, whose officer residing in the State of Texas, authorized to accept service in all suits and actions brought whining said state is Massachusetts and whose address is 440 Lincoln Street, Worcester, MA, hereinafter called the Surety, and held and firmly bound unto, Robert E. Hebert, County Judge of Fort Bend County, Texas, or his successors in office, in the full sum of Five Thousand Dollars (\$ 5,000) current, lawful money of the United States of America, to be paid to said Robert E. Hebert, County Judge of Fort Bend County, Texas, or his successors in office, to which payment well and truly to be made and done, we, the undersigned, bind ourselves and each of us, our heirs, executors, administrators, successors, assigns, and legal representatives, jointly and severally, by these presents.

THE CONDITION OF THIS BOND IS SUCH THAT, WHEREAS, the above bounden principal contemplates laying, constructing, maintaining and/or repairing one or more cables, conduits, and/or pole lines in, under, across and/or along roads, streets and highways, commercial driveway and median openings or modifications in the County of Fort Bend, and the State of Texas, under the jurisdiction of the Commissioners' Court of Fort Bend County, Texas, pursuant to the Commissioners' Court order adopted on the 1st day of December, A.D. 1980, recorded in Volume 13, of the Commissioners' Court Minutes of Fort Bend County, Texas, regulating same, which Commissioners' Court order is hereby referred to and made a part hereof for all purposes as though fully set out herein;

AND WHEREAS, the principal desires to provide Fort Bend County with a performance bond covering all such cable, conduit and/or pole line activity, commercial driveway and median openings or modifications;

NOW, THEREFORE, if the above bounden principal shall faithfully perform all its cable, conduit and/or pole line activity (including, but not limited to the laying, construction, maintenance and/or repair of cables, conduits and/or pole lines) in, under, across and/or along roads, streets and highways, commercial driveway and median openings or modifications in the County of Fort Bend and State of Texas, under the jurisdiction of the Commissioners Court of Fort Bend County, Texas, pursuant to and in accordance with minimum requirements and conditions of the above mentioned Commissioners' Court order set forth and specified to be by said principal done and performed, at the time and in the manner therein specified, and shall pay over and make good and reimburse Fort Bend County, all loss and damages which Fort Bend County may sustain by reason of any failure or default on the part of said principal, then this obligation shall be null and void, otherwise to remain in full force and effect.

This bond is payable at the County Courthouse in the County of Fort Bend and State of Texas.

It is understood that at any time Fort Bend County deems itself insecure under this bond, it may require further and/or additional bonds of the principal.

EXECUTED this 12 day of December, 2017 .

PRINCIPAL - B. Bell Builders, LP

BY

SURETY - The Hanover Insurance Company

BY

THE HANOVER INSURANCE COMPANY
MASSACHUSETTS BAY INSURANCE COMPANY
CITIZENS INSURANCE COMPANY OF AMERICA

POWER OF ATTORNEY

THIS Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

KNOW ALL PERSONS BY THESE PRESENTS:

That THE HANOVER INSURANCE COMPANY and MASSACHUSETTS BAY INSURANCE COMPANY, both being corporations organized and existing under the laws of the State of New Hampshire, and CITIZENS INSURANCE COMPANY OF AMERICA, a corporation organized and existing under the laws of the State of Michigan, (hereinafter individually and collectively the "Company") does hereby constitute and appoint,

John M. Murphy and/or Jeff A Jacobson

Of Fred Rhodes & Company of Houston, Texas each individually, if there be more than one named, as its true and lawful attorney(s)-in-fact to sign, execute, seal, acknowledge and deliver for, and on its behalf, and as its act and deed any place within the United States, any and all surety bonds, recognizances, undertakings, or other surety obligations. The execution of such surety bonds, recognizances, undertakings or surety obligations, in pursuance of these presents, shall be as binding upon the Company as if they had been duly signed by the president and attested by the secretary of the Company, in their own proper persons. Provided however, that this power of attorney limits the acts of those named herein; and they have no authority to bind the Company except in the manner stated and to the extent of any limitation stated below:

Any such obligations in the United States, not to exceed Five Million and No/100 (\$5,000,000) in any single instance

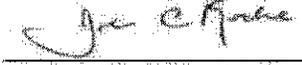
That this power is made and executed pursuant to the authority of the following Resolutions passed by the Board of Directors of said Company, and said Resolutions remain in full force and effect:

RESOLVED: That the President or any Vice President, in conjunction with any Vice President, be and they hereby are authorized and empowered to appoint Attorneys-in-fact of the Company, in its name and as it acts, to execute and acknowledge for and on its behalf as surety, any and all bonds, recognizances, contracts of indemnity, waivers of citation and all other writings obligatory in the nature thereof, with power to attach thereto the seal of the Company. Any such writings so executed by such Attorneys-in-fact shall be binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company in their own proper persons.

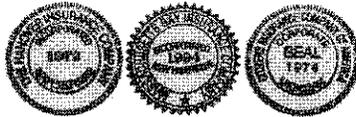
RESOLVED: That any and all Powers of Attorney and Certified Copies of such Powers of Attorney and certification in respect thereto, granted and executed by the President or Vice President in conjunction with any Vice President of the Company, shall be binding on the Company to the same extent as if all signatures therein were manually affixed, even though one or more of any such signatures thereon may be facsimile. (Adopted October 7, 1981 - The Hanover Insurance Company; Adopted April 14, 1982 - Massachusetts Bay Insurance Company; Adopted September 7, 2001 - Citizens Insurance Company of America)

IN WITNESS WHEREOF, THE HANOVER INSURANCE COMPANY, MASSACHUSETTS BAY INSURANCE COMPANY and CITIZENS INSURANCE COMPANY OF AMERICA have caused these presents to be sealed with their respective corporate seals, duly attested by two Vice Presidents, this 13th day of November, 2017.

The Hanover Insurance Company
Massachusetts Bay Insurance Company
Citizens Insurance Company of America



John C. Roche, EVP and President



The Hanover Insurance Company
Massachusetts Bay Insurance Company
Citizens Insurance Company of America

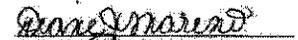


James H. Kawiecki, Vice President

THE COMMONWEALTH OF MASSACHUSETTS)
COUNTY OF WORCESTER) ss.

On this 13th day of November, 2017 before me came the above named Vice Presidents of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, to me personally known to be the individuals and officers described herein, and acknowledged that the seals affixed to the preceding instrument are the corporate seals of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, respectively, and that the said corporate seals and their signatures as officers were duly affixed and subscribed to said instrument by the authority and direction of said Corporations.




Diane J. Marino, Notary Public
My Commission Expires March 4, 2022

I, the undersigned Vice President of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, hereby certify that the above and foregoing is a full, true and correct copy of the Original Power of Attorney issued by said Companies, and do hereby further certify that the said Powers of Attorney are still in force and effect.

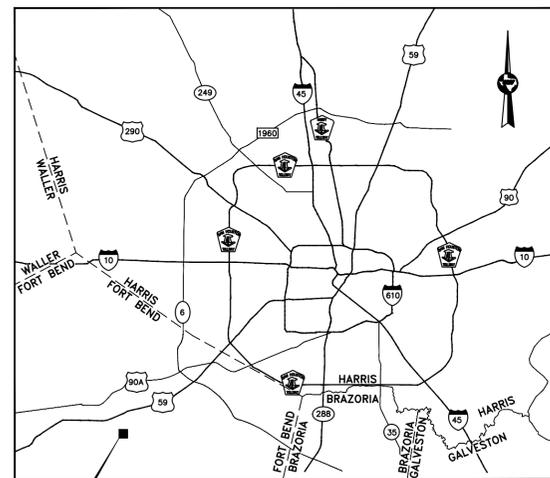
GIVEN under my hand and the seals of said Companies, at Worcester, Massachusetts, this 12th day of December, 2017

CERTIFIED COPY

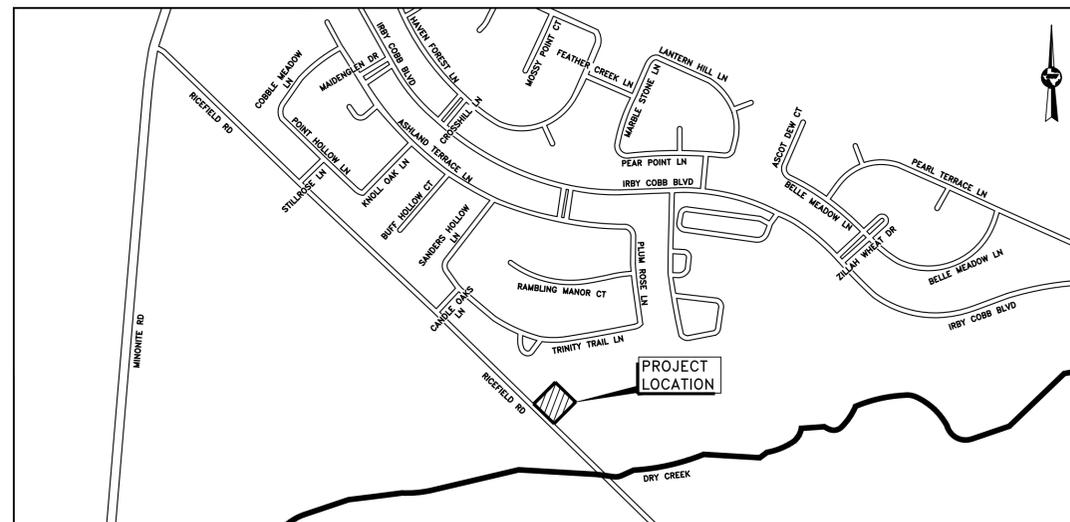

Theodore G. Martinez, Vice President



RICHROSE R.T. #2414 RICEFIELD ROAD FORT BEND COUNTY, TX. 77469



LOCATION MAP
N.T.S.



VICINITY MAP
KEY MAP #645-D
N.T.S.

Sheet List Table	
Sheet Number	Sheet Title
1	COVER SHEET
2	INITIAL SITE WORK
3	FINAL SITE WORK
4	MISC. CONCRETE DETAILS
5	CONCRETE SPECS AND MISC. DETAILS
6	ELECTRICAL, CONDUITS AND MISC. DETAILS
7	REMOTE TERMINAL BUILDING CONST. DETAILS
8	FENCING AND MISC. CONST. DETAILS
9	TRAFFIC CONTROL PLAN
10	STORM WATER DRAINAGE PATH



ONE-CALL NOTIFICATION SYSTEM
CALL BEFORE YOU DIG
(713) 223-4567 (IN HOUSTON)
(New Statewide Number Outside Houston)
1-800-545-6005



FORT BEND COUNTY ENGINEER

ENGINEER: _____
Richard W. Stolleis, P.E.

DATE: _____

THESE SIGNATURES ARE VOID IF CONSTRUCTION HAS NOT COMMENCED IN (1) YEAR FROM DATE OF APPROVAL.

APPROVED: _____
Development Coordinator

DATE: _____

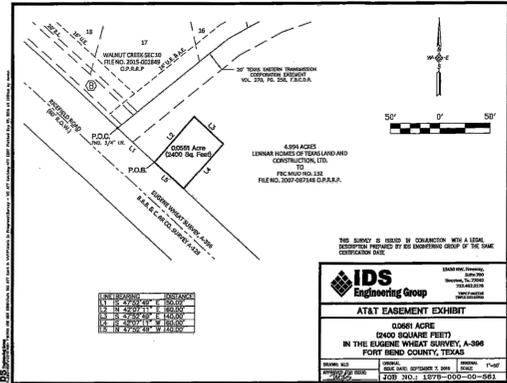
PROPRIETARY AT&T INFORMATION
NOT FOR GENERAL USE OR DISCLOSURE OUTSIDE OF AT&T
THIS INFORMATION MAY ONLY BE USED BY AUTHORIZED PERSONNEL OF THE LOCAL GOVERNMENT AGENCY IN CONNECTION WITH APPLICATION FOR PERMITS AND AUTHORIZATIONS FOR BUILDINGS, CONSTRUCTION, AND/OR ZONING CHANGES.

AT&T PROJECT NUMBER	AT&T AUTHORIZATION
GEOTEC #	AT&T PROJECT MANAGER

ARCHITECT:
Gensler
711 Louisiana Street
Suite 300
Houston TX 77002
Telephone 713.228.8050
Facsimile 713.229.9343

OWNER:
 at&t
6500 West Loop South Zone 1.2
Bellaire, TX 77401
Telephone 281.795.6481

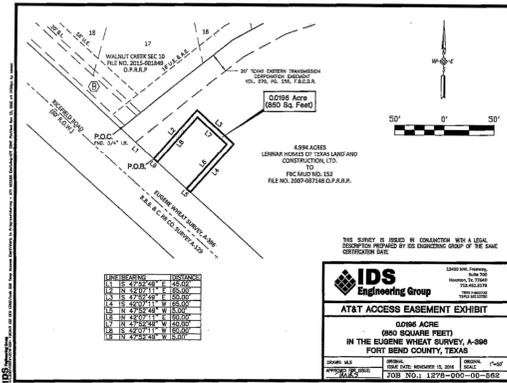
CIVIL ENGINEER:
 UNITED ENGINEERS, INC.
CONSULTING ENGINEERS & SURVEYORS
9301 SOUTHWEST FRWY. TEL (713) 271-2900
SUITE 500 FAX (713) 271-2999
HOUSTON, TEXAS 77074 E-MAIL UNITED@UNITEDE.COM
TBPE CERTIFICATE OF REGISTRATION NO. F-000142



AT&T EASEMENT

METES AND BOUNDS DESCRIPTION OF 0.0551 ACRE (2400 SQUARE FEET) OF LAND IN THE EUGENE WHEAT SURVEY, A-396 FORT BEND COUNTY, TEXAS

Being 0.0551 acre (2400 square feet) of land, in the Eugene Wheat Survey, Abstract Number 396 in Fort Bend County, Texas, being a portion of the 4.994 acre tract described in the deed from LENNAR HOMES OF TEXAS LAND AND CONSTRUCTION, LTD. to FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NUMBER 152, recorded under File Number 2007-087148 in the Official Public Records of Real Property of Fort Bend County, Texas.



AT&T ACCESS EASEMENT

METES AND BOUNDS DESCRIPTION OF 0.0195 ACRE (850 SQUARE FEET) OF LAND IN THE EUGENE WHEAT SURVEY, A-396 FORT BEND COUNTY, TEXAS

Being 0.0195 acre (850 square feet) of land, in the Eugene Wheat Survey, Abstract Number 396 in Fort Bend County, Texas, being a portion of the 4.994 acre tract described in the deed from LENNAR HOMES OF TEXAS LAND AND CONSTRUCTION, LTD. to FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NUMBER 152, recorded under File Number 2007-087148 in the Official Public Records of Real Property of Fort Bend County, Texas.

CONTRACTOR SHOULD VERIFY REMOVAL OF TREES WITH AT&T REPRESENTATIVE DURING PRE-CONSTRUCTION MEETING.

BENCH MARK:
 PID #AW4239
 BENCH MARK DISK DESCRIBED BY NATIONAL GEODETIC SURVEY 1973 13.0 MI NE FROM GUY. 7.65 MILES NORTHEAST ALONG FARM ROAD 1994 FROM THE JUNCTION OF STATE HIGHWAY 36 AT GUY, THENCE 5.35 MILES NORTHEAST AND NORTHWEST ALONG FARM ROAD 762, AT THE JUNCTION OF SMITHERS LAKE ROAD SOUTHEAST, 49 1/2 FEET SOUTHEAST OF THE CENTER LINE OF THE ROAD, 42 FEET SOUTHWEST OF THE CENTER LINE OF A SMITHERS LAKE ROAD, 11 1/2 FEET EAST-SOUTHEAST OF A T JUNCTION TELEPHONE POLE WITH A METAL BOX AND GUY WIRE, 10 FEET EAST-SOUTHEAST OF A FENCE CORNER POST, 3.0 FEET SOUTHWEST OF A FENCE, 8.9 FEET SOUTHWEST OF A FENCE, 8.9 FEET SOUTHWEST OF A WITNESS POST, ABOUT LEVEL WITH THE ROAD, AND SET IN THE TOP OF A CONCRETE POST PROJECTING 0.2 FOOT ABOVE THE GROUND.

(PUBLISHED ELEV.= 75.10)
 (OBSERVED ELEV.= 74.45)
 ADD 0.65 TO GET TO NGS

T.B.M. "A"
 SET RAILROAD SPIKE ON SOUTH SIDE OF POWER POLE LOCATED APPROX. 60' SOUTHWEST OF AT&T ACCESS EASEMENT AS SHOWN ON PLAN.

(ELEV. = 83.82)

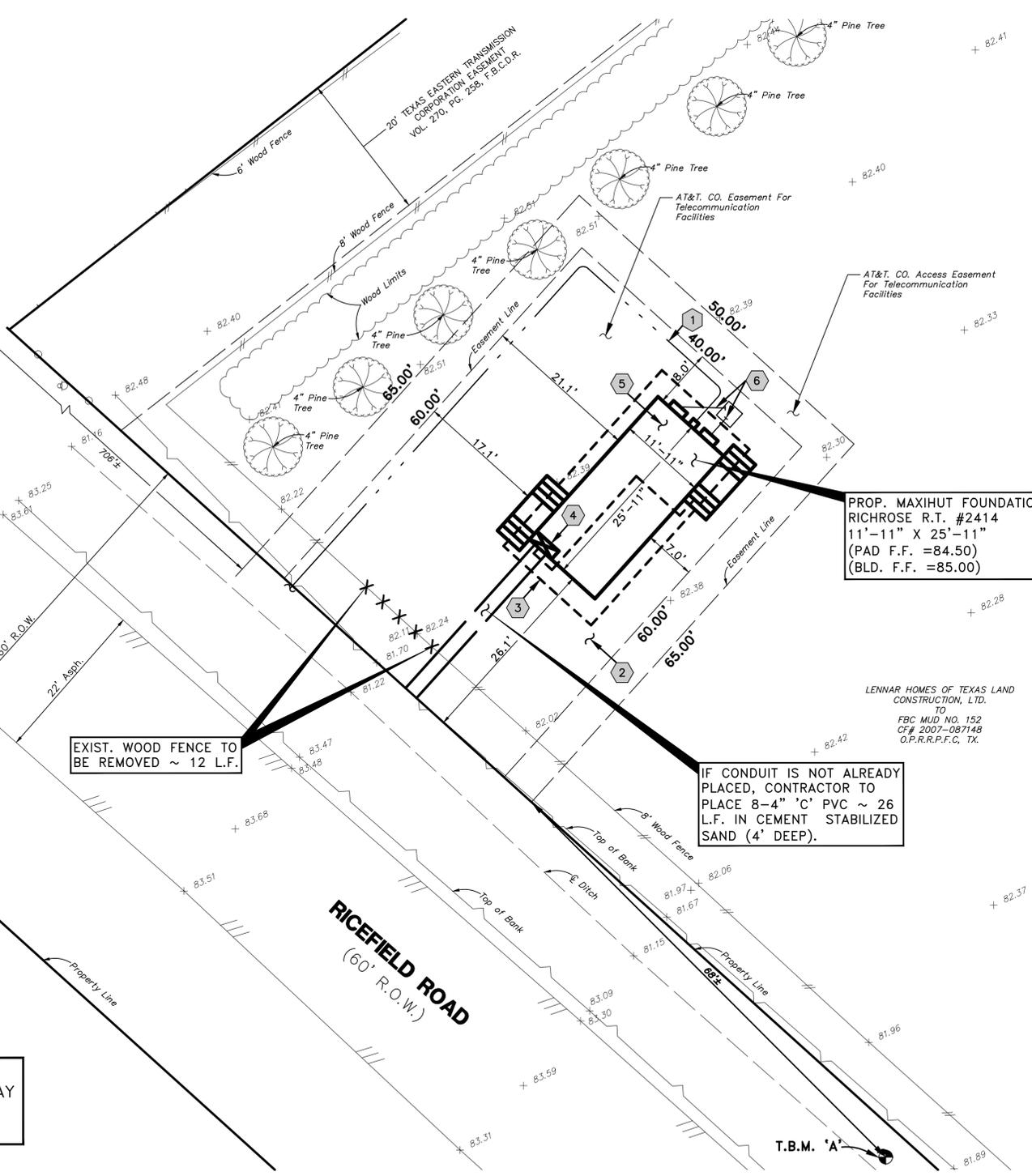
CONTRACTOR SHALL COORDINATE ALL WORK IN RICEFIELD RD. RIGHT-OF-WAY WITH FORT BEND COUNTY ROAD AND BRIDGE DEPARTMENT, 281-342-4513

CAUTION:
 EXISTING AT&T/ SBC FACILITIES IN CONSTRUCTION AREA. VERIFY EXACT LOCATION & DEPTH PRIOR TO ANY DIGGING AND/OR BORING.

CONTRACTOR(S) TO CONTACT WALT PECKHAM WITH THE PARKS ADMINISTRATION OFFICE @ (281-531-1592) FORTY-EIGHT (48) HOURS PRIOR TO CONSTRUCTION FOR TREE(S) AND LANDSCAPING RELOCATION.

CAUTION:
 EXISTING CENTERPOINT ENERGY ELEC. AND GAS FACILITIES IN CONSTRUCTION AREA. CONTACT CENTERPOINT ENERGY 48 HOURS PRIOR TO ANY DIGGING AND/OR BORING.

AREA DETERMINED TO BE OUTSIDE THE 100-YEAR FLOODPLAIN (ZONE-AE) BASED ON F.I.R.M. #48157C0265L PANEL #265 OF 575 (REV. APRIL 2, 2014)



PROP. MAXIHUT FOUNDATION RICHROSE R.T. #2414
 11'-11" X 25'-11"
 (PAD F.F. = 84.50)
 (BLD. F.F. = 85.00)

IF CONDUIT IS NOT ALREADY PLACED, CONTRACTOR TO PLACE 8-4" 'C' PVC ~ 26 L.F. IN CEMENT STABILIZED SAND (4' DEEP).

EXIST. WOOD FENCE TO BE REMOVED ~ 12 L.F.

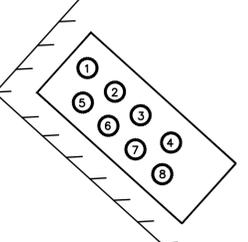
REMOTE TERMINAL SITE
 SCALE: 1"=10'

INITIAL SITE WORK: BUILDING FOUNDATION AND RELATED WORK

FACING NORTH



SECTION OF PROP. 8-4" DUCTS AT PLUG



DETAIL OF CABLE SLOT AT R.T. FLOOR
 (SEE DETAIL #3 ON SHEET 7 OF 8)
 N.T.S.

LEGEND

	EXIST. ELEV
	EXIST. EDGE OF ASPH. PVMT.
	EXIST. TREE
	FUTURE CONC. PVMT. LIMITS (BY OTHERS)

AT&T. CONDUIT INCLUDED IN THIS CONTRACT FROM R.T. BUILDING TO THE NORTH EASEMENT LINE.

CALL BEFORE YOU DIG!
 TEXAS ONE CALL PARTICIPANTS REQUEST 48 HOURS NOTICE BEFORE YOU DIG, DRILL, OR BLAST - STOP CALL
 Texas One Call System
 1-800-669-8344

APPROVED: _____
 Development Coordinator
 DATE: _____

- NOTES:**
- 120/240V, 200A 1 PHASE, 3W UNDERGROUND ELECTRIC SERVICE AND WEATHERHEAD PER ELECTRICAL SERVICE DETAIL; ENCASE IN RED CONC.; COORDINATE ROUTING W/ AT&T; VERIFY POINT OF POWER ENTRY W/ ELEC. CO.; SECURE AND PAY FOR ALL PERMITS, OWNER'S FEES, SERVICE EXTENSIONS, ETC. REQUIRED FOR COMPLETE ELECTRIC SERVICE TO BUILDING.
 - CLEAR SITE AND PLACE BUILDING FOUNDATION AS DETAILED W/ BRICK LEDGE AND PROVIDE CONCRETE PORCH WITH THREE 6" RISERS AND TWO 11" TREADS AT EACH END (SEE DETAILS THIS SET).
 - PROVIDE ELECTRICAL GROUNDING SYSTEM PER SPECIFICATION 04910.
 - PLACE 8-4" DUCTS & VENT SYSTEM PER VENT SYSTEM DETAILS.
 - VERIFY EXACT BUILDING DIMENSIONS & BUILDING FLOOR THICKNESS PRIOR TO ESTABLISHING TOP OF FOUNDATION.
 - PLACE 1-3 LF & 1-6 LF 1" PVC PIPES CONNECTED TO HVAC DRAINS PER HVAC WATER DISCHARGE PIPE DETAIL.
 - PORTABLE FIRE EXTINGUISHER



Key Map #645-D
 SCALE: 1"=10'

CORPORATE REAL ESTATE
Richrose RT #2414

711 Louisiana Street
 Suite 300
 Houston TX 77002
 Telephone 713.228.8050
 Facsimile 713.229.9343

Gensler

ALLIANCE MEMBERS

H.C. BECK
 6500 WEST LOOP SOUTH, ZONE 1.2
 BELLAIRE, TEXAS 77401
 713.567.8867 FAX: 713.660.2040
 CONTACT: RALPH MARQUEZ

CCRD PARTNERS
 808 TRAVIS STREET, SUITE 200
 HOUSTON, TEXAS 77002
 713.237.8900 FAX: 713.237.0123
 CONTACT: JOHN GARDNER

UNITED ENGINEERS, INC.
 CONSULTING ENGINEERS & SURVEYORS
 8301 SOUTHWEST FRYW. TEL: (713) 271-2900
 SUITE 500 FAX: (713) 271-2999
 HOUSTON, TEXAS 77074 E-MAIL: UNITED@UNITED.COM
 TBP# CERTIFICATE OF REGISTRATION NO. F-000142

PROPRIETARY AT&T INFORMATION
 NOT FOR GENERAL USE OR DISCLOSURE OUTSIDE OF AT&T
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AT&T PROJECT NUMBER	AT&T AUTHORIZATION
GEOTECH #	AT&T PROJECT MANAGER

Issue	Date & Issue Description	By	Check
XX-01	MM/DD/YY	ISSUE BY	CHECKED BY
	DRAWING ISSUE DESCRIPTION		

Seal/Signature

JUAN G. CASTILLO
 114217
 LICENSED PROFESSIONAL ENGINEER
 STATE OF TEXAS

3/6/17

Project Name
 Richrose RT #2414

Project Number

CAD File Name

ALLIANCE NUMBER

Description
 CONSTRUCTION PLAN

Scale
 AS SHOWN

SHEET 2 OF 10

SECTION 04800 – CAST-IN-PLACE CONCRETE

04810 RELATED DOCUMENTS: Refer to General and Supplementary Conditions.

04820 EXTENT OF WORK:

A. The Contractor shall furnish and place all concrete, fabricate and place all reinforcing steel, and construct and set all wood formwork for reinforced concrete building and site work as indicated on the Drawings. Furnish to the Architect detailed plans and schedules of reinforcing steel for approval prior to fabrication.

04830 GENERAL:

A. Building floor construction shall support a minimum uniform live load of 150 lbs. per square foot without deflection. The precast building finished floor elevation shall be a minimum of 12" above the surrounding finish grades and 6" above the crown of the road. Soils below slabs on fill shall be stabilized to allow no more than 1/2" vertical movement in 20' of horizontal floor run. There shall be no cracks in any floor slabs other than hair-line shrinkage cracks. The maximum allowable floor slab variation shall be 1/8" vertical variation in 10' horizontal floor run.

B. Cast-in-place concrete work, unless otherwise noted, shall conform to the requirements of ACI 301-72, "Specifications For Structural Concrete For Buildings" and/or ACI 308-71, "Building Code Requirements For Reinforced Concrete", whichever is more stringent in the matter considered.

U04840 MATERIALS:

A. Concrete Materials:

1. Portland Cement: ASTM C-150, Type I or Type 11 (High Early Strength).
2. Concrete Reinforcing Materials: Reinforcing steel shall be a product of the USA. Intermediate grade new billet steel grade 60 (55 - 75 KSI) except as follows:
 - a. Reinforcing Bars: ASTM A-615 for #2, #3 and #4 bars (Grade 40).
 - b. Deformation: ASTM A-305 for A-615.
 - c. Welded Mesh: ASTM A-185 (Equivalent size). Excessive rust and scale shall be cause for rejection.
 - d. Sheet Metal Chairs: 3" x 6" x 20 ga., galvanized or plastic.
 - e. Tie Wire: 18 ga. annealed iron wire.

5. Aggregates: ASTM C-33 graded as follows:

Size	% Passing	Gravel Sieve	1-1/2"	1"	3/4"
#4	95-100	1-1/2"	95-100 %		
#16	50-80	1"	90-100%		
	#50	10-80	3/4"	40-70 %	90-100%
	#100	0-5	1/2"	25-60%	
			3/8"	10-30%	20-55%
			#4	0-5%	0-10%

6. Water: Clean and pure enough to drink.
7. Admixtures: For all concrete, add Master Builders "Pozzolith" and "Stearox 100" or approved equivalent. Use in accordance with the manufacturer's recommendations.
8. Curing Compound: W. R. Grace "Horncrete 30", Sonneborn "Sonosil" or I. Reiss Co., Inc. "ReisCo Cure & Hard Seal".

B. Formwork Materials:

1. Solid Wood: New No. 2 Yellow Pine or construction grade Fir or better.
2. Plywood: New Douglas Fir or equal, grade-marked Plyform, of thickness to withstand deflection.
3. Form Ties: Rigid type, either removable strap type or break-off type 1" back from surface.
4. Form Oil: Shall be non-staining mineral oil compatible with required finish applied to concrete.
5. Expansion Joint Forming Material: Preformed asphaltic expansion joint material, thickness as indicated, as manufactured by Burke Company or Johns-Manville Co.
6. Vapor Barrier: Unless detailed otherwise, install 6 mil, plastic vapor barrier with minimum laps of 12" taped fully watertight prior to any placement of concrete.

GENERAL NOTES:

1. DRIVEWAYS SHALL BE CONSTRUCTED WITH 7" THICK, (3000 psi @ 28 days) PORTLAND CEMENT CONCRETE AND SHALL BE REINFORCED WITH MINIMUM 1/2" DIAMETER DEF. STEEL BARS @ 12" C-C EACH WAY WITH 10" LAPS, OR EQUIVALENT WELDED WIRE FABRIC.
2. CURB SHALL BE CONSTRUCTED WITH PORTLAND CEMENT CONCRETE PER DETAILS ON THIS SHEET.
3. 1" BOARD EXPANSION OR 1/2" NON-EXTRUDING PREFORMED JOINT.
4. THE AREA BETWEEN DRIVEWAYS, FROM BACK OF CURB TO RIGHT-OF-WAY LINE SHALL BE SODDED SOLID WITH ST. AUGUSTINE GRASS.
5. EXPOSE EXISTING REBAR AND SPLICE TO REINFORCEMENT IN NEW DRIVEWAY.

04850 WORKMANSHIP:

A. Furnish and install wood forms constructed of the above specified materials of sufficient strength, rigidity, straight, tight and true to form grade beams and slabs to profiles and dimension as indicated on the Drawings. Form outside face of all perimeter beams, slabs, turndowns, and any other concrete exposed to view to a depth of 12" below finished grade. Vapor barrier shall extend halfway down sides of beams. Chamfer strips to be used at all angles of concrete which are exposed to view, unless shown otherwise. Remove forms only after a 3 day minimum set time.

B. Place reinforcing steel straight, securely and accurately according to the Drawings on sheet metal chairs at 4'-0" o.c. Tie securely every other bar intersection with splices a minimum of 50 bar dia. and a full penetration butt weld at butt splices.

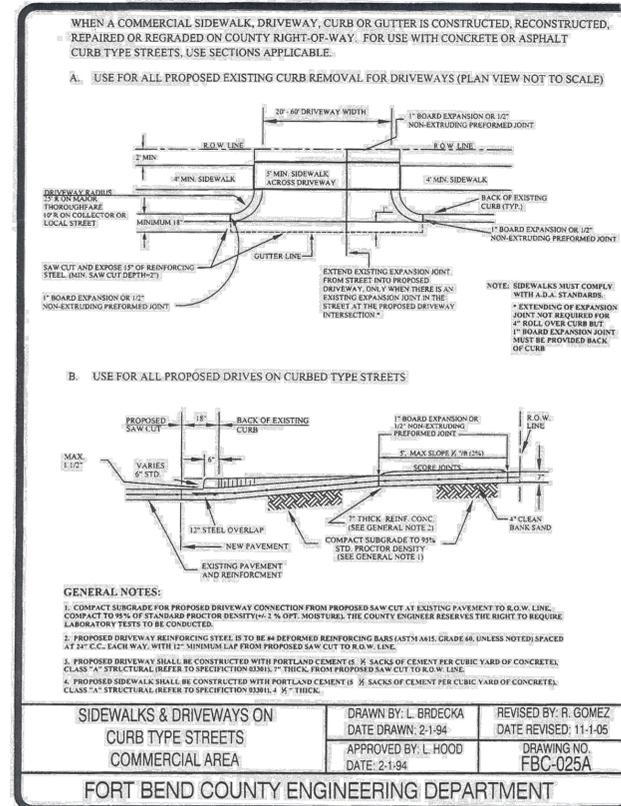
C. Concrete shall test at 3000 psi in 28 days being a minimum of 5 sacks of cement per cubic yard with 6 gallons of water per sack of cement. The Contractor shall assume full responsibility for meeting the above limiting conditions and the mix design shall be prepared in accordance with ACI 613 latest edition and submitted to the Architect's office for approval. The Contractor will retain a testing laboratory and conduct all testing with full reports furnished to the Owner. Mixing time for transit mix shall not be retentpered and used. Take caution to prevent segregation of concrete during placement. Place no concrete when temperature is below 40 degrees F, and provide protection for freshly poured concrete in freezing weather as directed by the Observer. All floor slabs shall have a smooth monolithic finish; all stoops, walks and slabs exposed to the elements shall have a

D. Concrete Finishing:

1. General: Concrete slabs shall have a smooth monolithic finish and shall be finished to tolerances as described.
2. Broom Finish: All horizontal surfaces on exterior stoops, landings and sidewalks shall receive a light broom, non-slip finish.

3. Rubbing and Patching:

- a. All exposed surfaces shall have honeycombed and other defective surfaces patched tight, all rock pockets cut out, all tie wires cut back 1" below surface, all fins and projections knocked off and rubbed smooth with stone. Remove all foreign and loose materials.
- b. After all defects have been repaired, the exposed surfaces of beams and stairs shall be saturated thoroughly and a grout of 1 part white Portland cement with color admixture to 1-1/2 to 2 parts fine sand shall be brushed on uniformly completely filling all air bubbles and holes. The surface shall be floated with a wood or cork float immediately after applying the grout and then scoured vigorously. Excess grout shall be removed with a sponge rubber float at the time when the grout has hardened sufficiently for this to be done without removing grout from air holes. After the surface has dried thoroughly, it shall be rubbed with a dry burlap sack to completely remove any dried grout. Rubbed surface shall be kept damp for two days after the final rubbing.



Fort Bend County Engineering
FORT BEND COUNTY, TEXAS

Richard W. Stolleis, P.E.
County Engineer

**Fort Bend County
Construction - General Notes**

1. Fort Bend County must be invited to the Pre-Construction Meeting.
2. Contractor shall notify Fort Bend County Engineering Department 48 hours prior to commencing construction and 48 hour notice to any construction activity within the limits of the paving at Construction@fortbendcountytx.gov.
3. Contractor is responsible for obtaining all permits required from Fort Bend County prior to commencing construction of any improvements within County road right of ways.
4. All Paving Improvements shall be constructed in accordance with Fort Bend County "Rules, Regulations and Requirements relating to the Approval and Acceptance of Improvements in Subdivisions as currently amended.
5. All road widths, curb radii and curb alignment shown indicates back of curb
6. A continuous longitudinal reinforcing bar shall be used in the curbs.
7. All concrete pavement shall be 5 1/2 sack cement with a minimum compressive strength of 3500 psi at 28 days. Transverse expansion joints shall be installed at each curb return and at a maximum spacing of 60 feet.
8. All weather access to all existing streets and driveways shall be maintained at all times.
9. 4"x 12" reinforced concrete curb shall be placed in front of single family lots only. **All other areas shall be 6" reinforced concrete curb.**
10. At all intersection locations, **Type 7 ramps** shall be place in accordance with **TXDOT Ped-12a** standard detail sheet. A.D.A. - Handicap Ramps shall be installed with street paving at all intersections and comply with current A.D.A. regulations.
11. Curb headers are required at curb connections to Handicap Ramps, with no construction joint within 5' of ramps.
12. All intersections utilizing Traffic Control measures shall have A.D.A. wheel chair ramps installed.
13. Guidelines are set forth in the Texas "Manual on Uniform Traffic Control Devices", as currently amended, shall be observed. The Contractor shall be responsible for providing adequate flagmen, signing, striping and warning devices, etc., during construction - both day and night.
14. All R1-1 stop signs shall be 30"x30" with diamond grade sheeting per Texas manual on uniform traffic control devices.
15. Street name signage shall be on a 9" high sign flat blade w/reflective green background. Street names shall be upper and lowercase lettering with uppercase letters of 6" minimum and lowercase letters of 4.5" minimum. The letters shall be reflective white. Street name signs shall be mounted on stop sign post.
16. A Blue Double Reflectorized button shall be placed at all Fire Hydrant locations. The Button shall be placed 12 inches off of the centerline of the street on the same side as the hydrant.

NOTE: Fort Bend County notes supersede any conflicting notes.

Inspection. The Project and all parts thereof shall be subject to inspection from time to time by inspectors designated by Fort Bend County. No such inspections shall relieve the Contractor of any of its obligations hereunder. Neither failure to inspect nor failure to discover or reject any of the work as not in accordance with the drawings and specifications, requirements and specifications of Fort Bend County or any provision of this Project shall be construed to imply an acceptance of such work or to relieve the Contractor of any of its obligations hereunder.



**CORPORATE REAL ESTATE
Richrose RT #2414**

711 Louisiana Street
Suite 300
Houston TX 77002
Telephone 713.228.8050
Facsimile 713.229.9343

Gensler

ALLIANCE MEMBERS

H.C. BECK
6500 WEST LOOP SOUTH, ZONE 1.2
BELLAIRE, TEXAS 77401
713.567.8867 FAX:713.660.2040
CONTACT: RALPH MARQUEZ

CORD PARTNERS
808 TRAVIS STREET, SUITE 200
HOUSTON, TEXAS 77002
713.237.8900 FAX: 713.237.0123
CONTACT: JOHN GARDNER



PROPRIETARY AT&T INFORMATION

**NOT FOR GENERAL USE OR DISCLOSURE OUTSIDE OF AT&T
THIS INFORMATION MAY ONLY BE USED BY AUTHORIZED PERSONNEL OF THE LOCAL GOVERNMENT AGENCY IN CONNECTION WITH APPLICATION FOR PERMITS AND AUTHORIZATIONS FOR BUILDINGS, CONSTRUCTION, AND/OR ZONING CHANGES.**

AT&T PROJECT NUMBER	AT&T AUTHORIZATION
GEOTEC #	AT&T PROJECT MANAGER

Issue	Date & Issue Description	By	Check
XX-01	MM/DD/YY	ISSUE BY	CHECKED BY



Project Name
Richrose RT #2414

Project Number

CAD File Name

ALLIANCE NUMBER

Description
CONSTRUCTION PLAN

Scale
N.T.S.

SHEET 5 OF 10

©2003 Gensler

**CONCRETE SPECIFICATIONS AND
MISCELLANEOUS DETAILS**

APPROVED: _____
Development Coordinator
DATE: _____

FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 152

PLANS

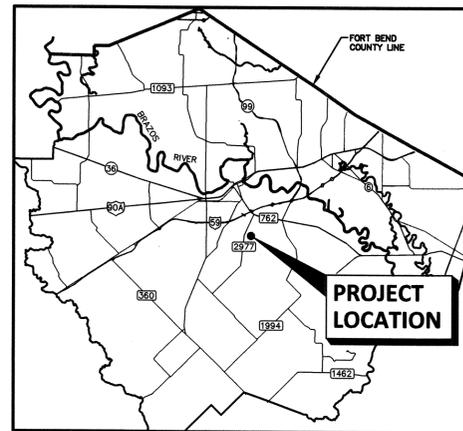
FOR CONSTRUCTION OF

WASTEWATER TREATMENT PLANT PHASE 4 EXPANSION

FORT BEND COUNTY, TEXAS

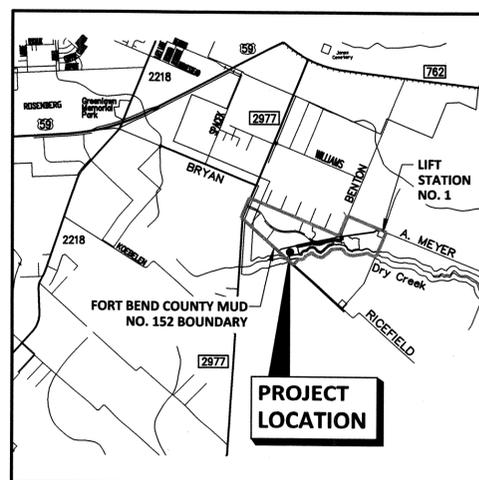
DESIGN JOB NO. 1278-009-04

CONTRACT NO. 1



VICINITY MAP

SCALE: N.T.S.



LOCATION MAP

N.T.S.
KEY MAP REF. 605Z, 645D
WASTEWATER TREATMENT PLANT
6533 RICEFIELD ROAD
ROSENBERG TX 77469

SHEET LIST TABLE

SHT NO	DWG NO	DESCRIPTION
1	G-1	COVER SHEET
2	G-2	GENERAL LIFT STATION NOTES
3	G-3	GENERAL PROCESS FLOW DIAGRAM
4	G-4	GENERAL HYDRAULIC PROFILE
5	C-3	CIVIL OVERALL SITE PLAN
6	C-2	CIVIL SITE GRADING AND DRAINAGE PLAN
7	C-3	CIVIL SITE YARD PIPING PLAN
8	C-4	CIVIL MISCELLANEOUS DETAILS SHT 1
9	M-1	MECHANICAL WASTEWATER TREATMENT PLANT PLAN PHASE 1 AND 2 MODIFICATIONS SHT 1
10	M-2	MECHANICAL WASTEWATER TREATMENT PLANT PLAN PHASE 1 AND 2 MODIFICATIONS SHT 2
11	M-3	MECHANICAL WASTEWATER TREATMENT PLANT PLAN PHASE 3 MODIFICATIONS SHT 1
12	M-4	MECHANICAL WASTEWATER TREATMENT PLANT PLAN PHASE 3 MODIFICATIONS SHT 2
13	M-5	MECHANICAL WASTEWATER TREATMENT PLANT SECTIONS
14	M-6	MECHANICAL MISCELLANEOUS DETAILS SHT 1
15	M-7	MECHANICAL MISCELLANEOUS DETAILS SHT 2
16	S-1	STRUCTURAL MISCELLANEOUS DETAILS SHT 1
17	S-2	STRUCTURAL MISCELLANEOUS DETAILS SHT 2
18	E-1	ELECTRICAL SITE PLAN
19	E-2	ELECTRICAL ONE-LINE DIAGRAM SHEET (1 OF 2)
20	E-3	ELECTRICAL ONE-LINE DIAGRAM SHEET (2 OF 2)
21	E-4	ELECTRICAL TYPICAL 120/240 V SCHEMATIC & GEN SET LOCK OUT TELEMETRY SYSTEM
22	E-5	ELECTRICAL MISCELLANEOUS DETAILS

CONTACTS:

CITY OF ROSENBERG UTILITY DEPARTMENT: (832) 595-3500
CITY OF ROSENBERG ENGINEER: (281) 342-2033
FORT BEND COUNTY ENGINEERING : (281) 633-7500

FORT BEND COUNTY ENGINEER

ENGINEER: Richard W. Stolleis, P.E., P.P.E.
for RICHARD W. STOLLEIS, P.E.

DATE: 5/30/17

THESE SIGNATURES ARE VOID IF CONSTRUCTION HAS NOT COMMENCED IN (1) YEAR FROM DATE OF APPROVAL.

APPROVED BY: Maggie D. [Signature]
DEVELOPMENT COORDINATOR

DATE: 5/30/17

13430 NW. Freeway
Suite 700
Houston, Tx. 77040
713.462.3178
TBPE F-002726
TBPLS 10110700

DAVID J. ROSS
68267
PROFESSIONAL ENGINEER
5/19/17

SURVEYED BY: IDS SURVEYORS
FB NO. [Signature]

CITY OF ROSENBERG
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

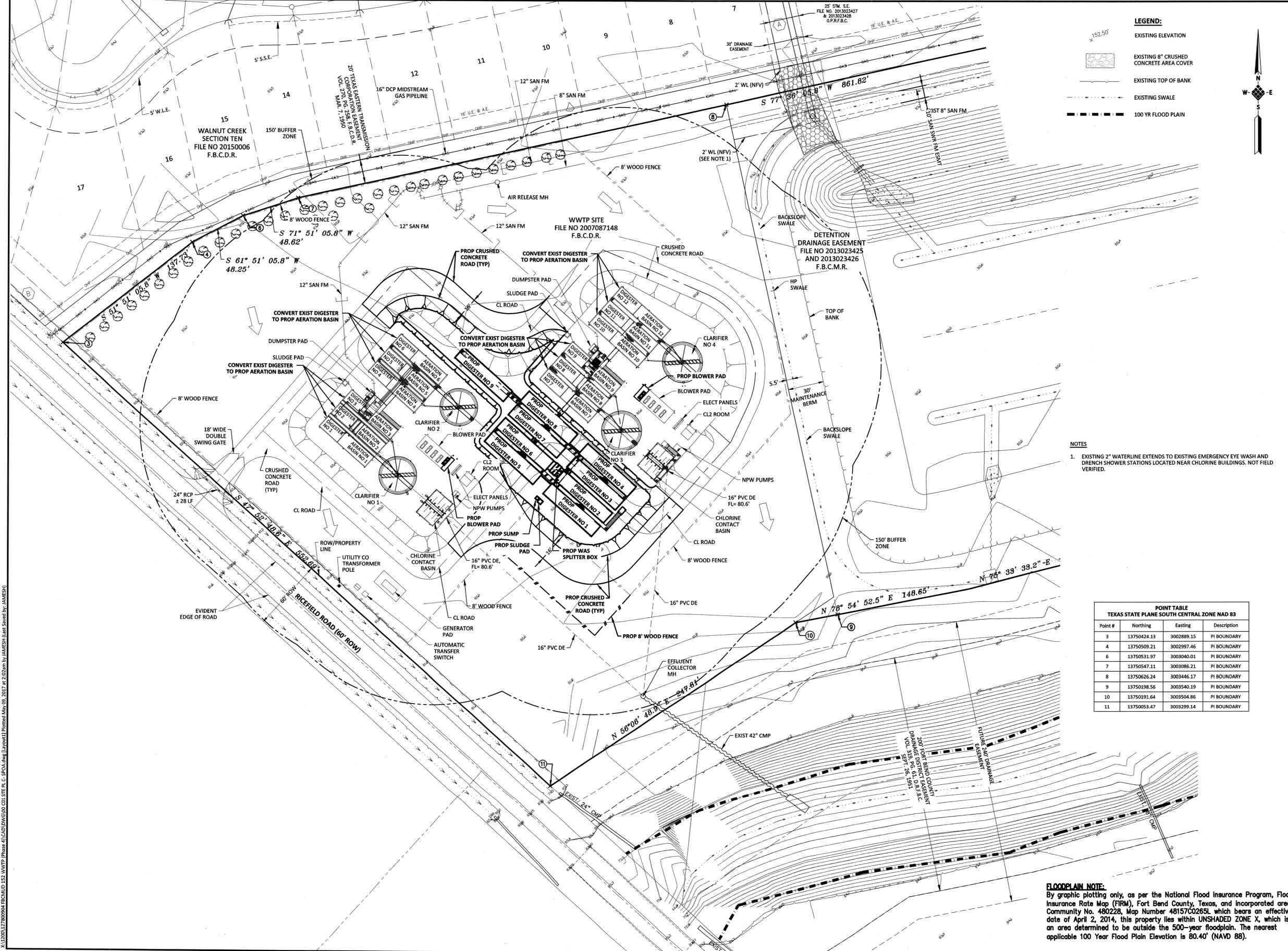
[Signature] 5/28/2017
JOHN MARESH, CITY MANAGER

[Signature] 5/22/17
CHARLES A. KALKOMEY, P.E., CITY ENGINEER

SHEET No 1 of 22 SHEETS

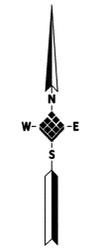
MAY 2017

JOB NO. 1278-009-04 - FBCMUD NO 152 - WASTEWATER TREATMENT PLANT PHASE 4 EXPANSION



LEGEND:

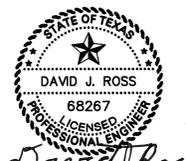
- EXISTING ELEVATION
- EXISTING 8" CRUSHED CONCRETE AREA COVER
- EXISTING TOP OF BANK
- EXISTING SWALE
- 100 YR FLOOD PLAIN



40' 0' 40'
SCALE
1" = 40'

FORT BEND COUNTY ENGINEERING DEPARTMENT

APPROVED: *David J. Ross*
DEVELOPMENT COORDINATOR
DATE: 5/30/17



David J. Ross 5/19/2017
IDS Engineering Group

13430 NW Freeway, Suite 700
Houston, TX 77040
713.462.3178
TBP# F-002726
TBP#S 10110700

APPROVED: DJR	DATE: MAY 2017
DESIGNED BY: DJR	JOB NO.: 1278-009-04
DRAWN BY: WJH	DWG NO.: C-3

BENCHMARK:
AN NGS DISC STAMPED W 811 1943, LOCATED 13.00 MILES NORTHEAST FROM GUY, TX. AS FOLLOWS: 7.85 MILES NORTHEAST ALONG FARM ROAD 1994 FROM THE JUNCTION WITH STATE HIGHWAY 36 IN GUY, THENCE 8.35 MILES NORTHEAST ALONG FARM ROAD 782, AT THE JUNCTION OF SMITHERS LAKE ROAD 49.5 FT. SOUTHWEST OF THE CENTERLINE OF FARM ROAD 782, 42.0 FT. SOUTHWEST OF THE CENTERLINE OF SMITHERS LAKE ROAD, 11.5 FT. EAST-SOUTHWEST OF A T JUNCTION TELEPHONE POLE WITH A METAL BOX AND GUY WIRE, 10.0 FT. SOUTHWEST OF A FENCE CORNER POST, 3.0 FT. SOUTHWEST OF A FENCE, 8.9 FT. SOUTHWEST OF A FENCE, 8.9 FT. SOUTHWEST OF A WITNESS POST, ABOUT LEVEL WITH THE ROAD, AND SET IN THE TOP OF A CONCRETE POST PROJECTING 0.2 FT. ABOVE THE GROUND. (NAVD 88) ELEVATION = 75.10

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT ENERGY AT 713-207-2222.
NOTICE: For your safety, you are required by Texas Law to call 811 at least 48 hours before you dig so that underground lines can be marked. This Verification does not fulfill your obligation to call 811.

VERIFICATION OF PRIVATE UTILITY LINES

Date:
CenterPoint Energy/Natural Gas Facilities Verification ONLY.
(This Signature verifies that you have shown CNP Natural Gas lines correctly - not to be used for conflict verification.) (Gas service lines are not shown.)
Signature Valid for six months.

Date:
CenterPoint Energy/UNDERGROUND Electrical Facilities Verification ONLY.
(This signature verifies existing underground facilities - not to be used for conflict verification.)
Signature Valid for six months.

Date:
Approved for AT&T Texas/SWBT underground conduit facilities only.
Signature valid for one year

FORT BEND COUNTY M.U.D. NO. 152

WASTEWATER TREATMENT PLANT PHASE 4 EXPANSION

CIVIL OVERALL SITE PLAN

CITY OF ROSENBERG



HORIZ: 1" = 40'
VERT: NTS
SHEET
5 OF 22 SHEETS

- NOTES**
- EXISTING 2" WATERLINE EXTENDS TO EXISTING EMERGENCY EYE WASH AND DRENCH SHOWER STATIONS LOCATED NEAR CHLORINE BUILDINGS. NOT FIELD VERIFIED.

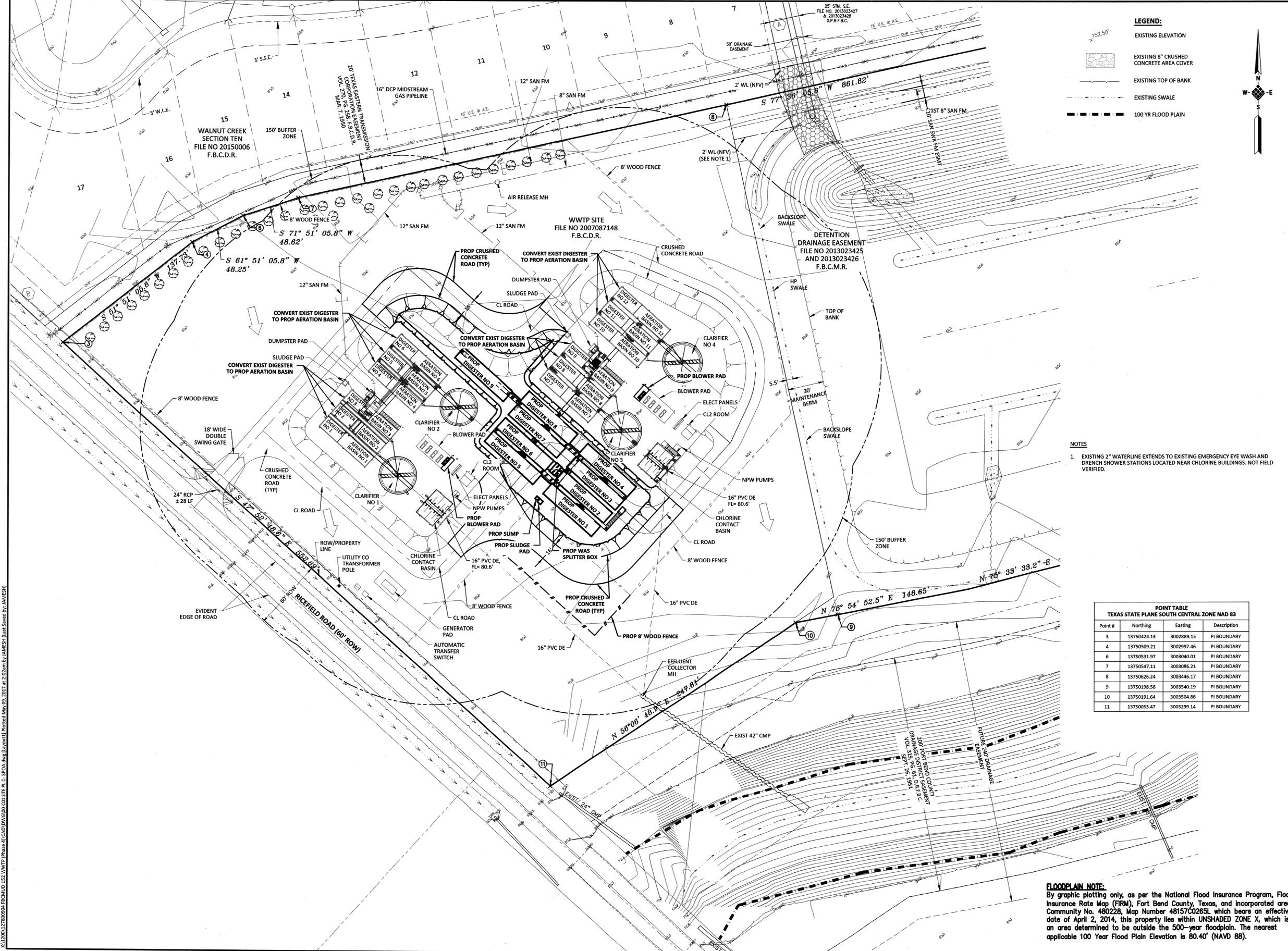
POINT TABLE
TEXAS STATE PLANE SOUTH CENTRAL ZONE NAD 83

Point #	Northing	Easting	Description
3	13750424.13	3002889.15	PI BOUNDARY
4	13750509.21	3002997.46	PI BOUNDARY
6	13750531.97	3003040.01	PI BOUNDARY
7	13750547.11	3003086.21	PI BOUNDARY
8	13750626.24	3003446.17	PI BOUNDARY
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10	13750191.64	3003504.86	PI BOUNDARY
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FLOODPLAIN NOTE:
By graphic plotting only, as per the National Flood Insurance Program, Flood Insurance Rate Map (FIRM), Fort Bend County, Texas, and incorporated areas, Community No. 480228, Map Number 48157C0285L which bears an effective date of April 2, 2014, this property lies within UNSHADED ZONE X, which is an area determined to be outside the 500-year floodplain. The nearest applicable 100 Year Flood Plain Elevation is 80.40' (NAVD 88).

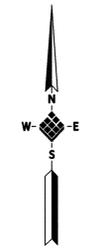
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No.	Date	Revisions



LEGEND:

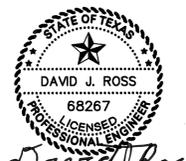
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FORT BEND COUNTY ENGINEERING DEPARTMENT

APPROVED: *David J. Ross*
DEVELOPMENT COORDINATOR
DATE: 5/30/17



David J. Ross 5/19/2017
IDS Engineering Group

13430 NW Freeway, Suite 700
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713.462.3178
TBP# F-002726
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FORT BEND COUNTY M.U.D. NO. 152

WASTEWATER TREATMENT PLANT PHASE 4 EXPANSION

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CITY OF ROSENBERG



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No.	Date	Revisions



b. bell builders, lp.

The Power To Build Beyond Expectations

104 Industrial Blvd. Suite 100

Sugar Land, TX 77478

Phone 281-276-1500

Fax 281-276-1505

RE: Traffic Control Plan

B. Bell Builders Traffic Control Plan will consist of blocking the street little as possible. When needed B. Bell builders will use safety cones and a flagman to direct traffic in our working area to ensure the safety of our employees and surrounding residence.

Sincerely,

Jay Reyes

Superintendent, COSS

832-812-0224