



**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](mailto: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:**

X
X
X

- 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: [REDACTED]

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



**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           §

COUNTY OF FORT BEND       §

KNOW ALL MEN BY THESE PRESENTS:

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:

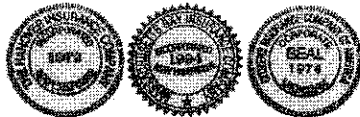
RESOLVED: That the President or any Vice President, in conjunction with any Vice President, be and they hereby are authorized and empowered to appoint Attorneys-in-fact of the Company, in its name and as it acts, to execute and acknowledge for and on its behalf as surety, any and all bonds, recognizances, 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)

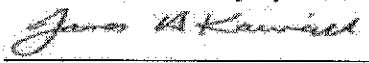
IN WITNESS WHEREOF, THE HANOVER INSURANCE COMPANY, MASSACHUSETTS BAY INSURANCE COMPANY and CITIZENS INSURANCE COMPANY OF AMERICA have caused these presents to be sealed with their respective corporate seals, duly attested by two Vice Presidents, this 13<sup>th</sup> day of November, 2017.

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 13<sup>th</sup> 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 12<sup>th</sup> day of December, 2017

CERTIFIED COPY

  
Theodore G. Martinez, Vice President



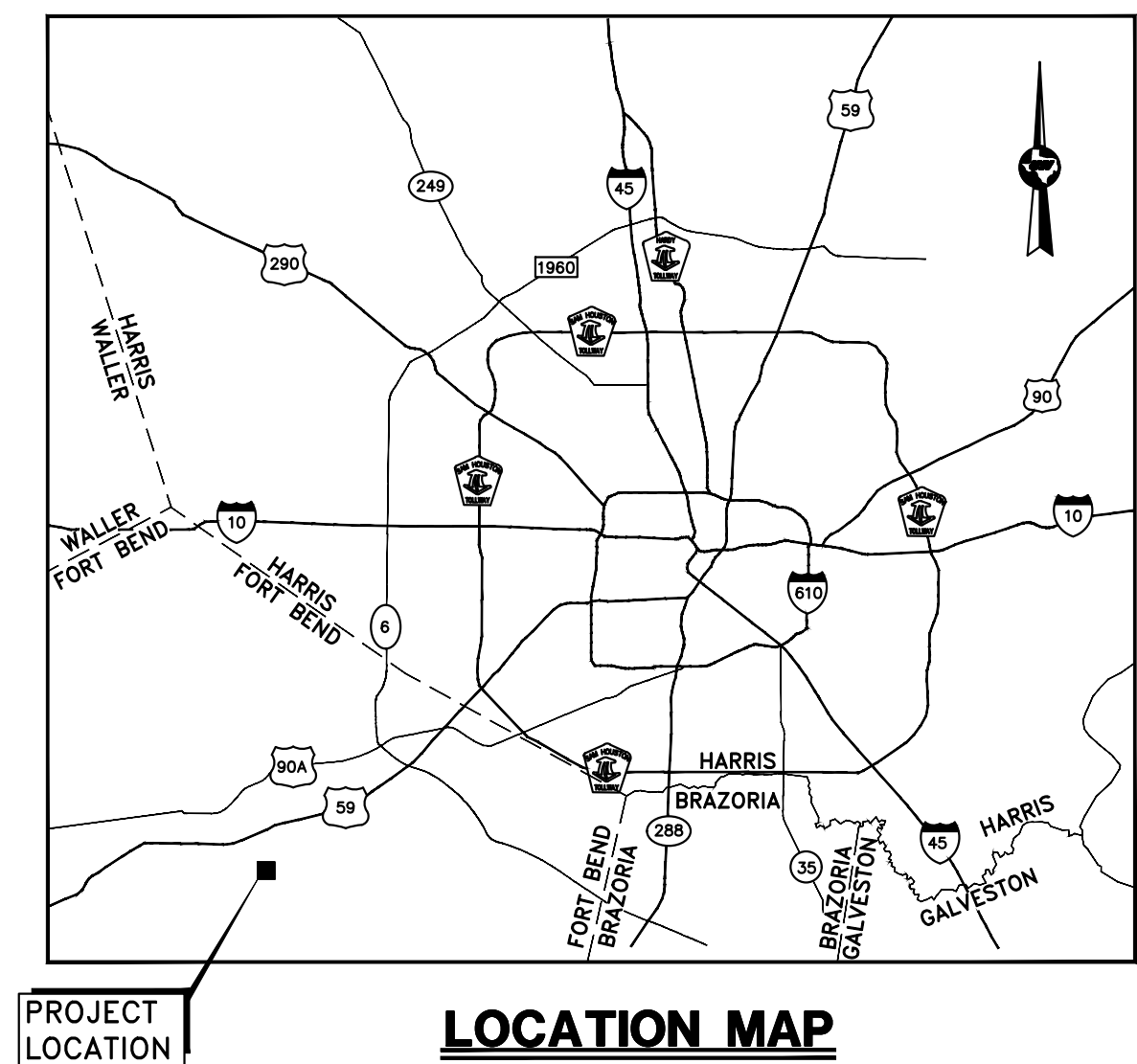


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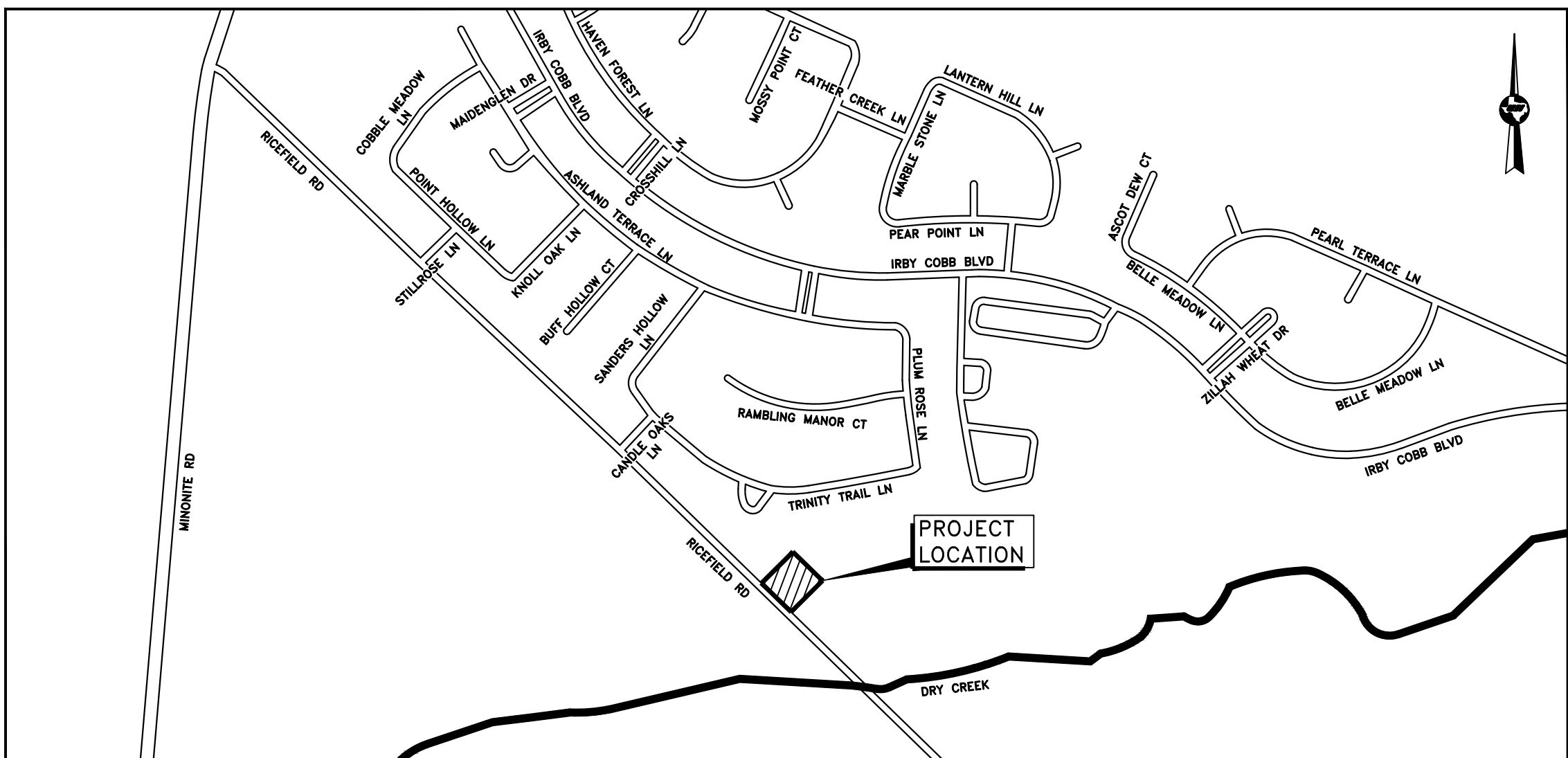
# RICHROSE R.T. #2414

## RICEFIELD ROAD

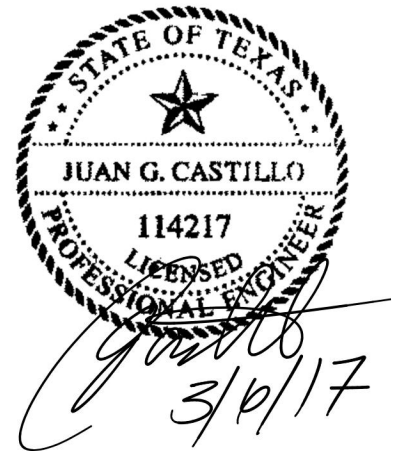
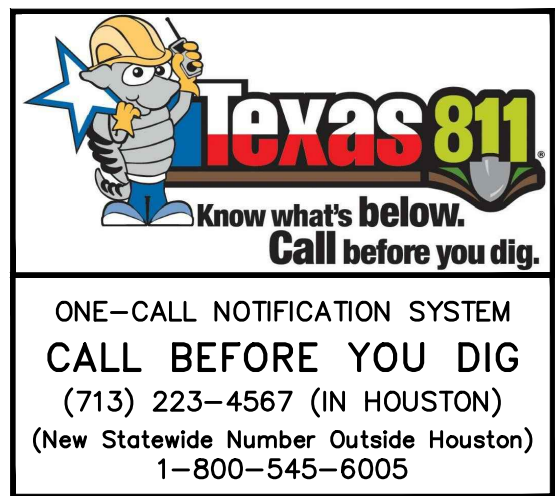
### FORT BEND COUNTY, TX. 77469



**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

**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

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:	

ARCHITECT:

**Gensler**

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

OWNER:



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

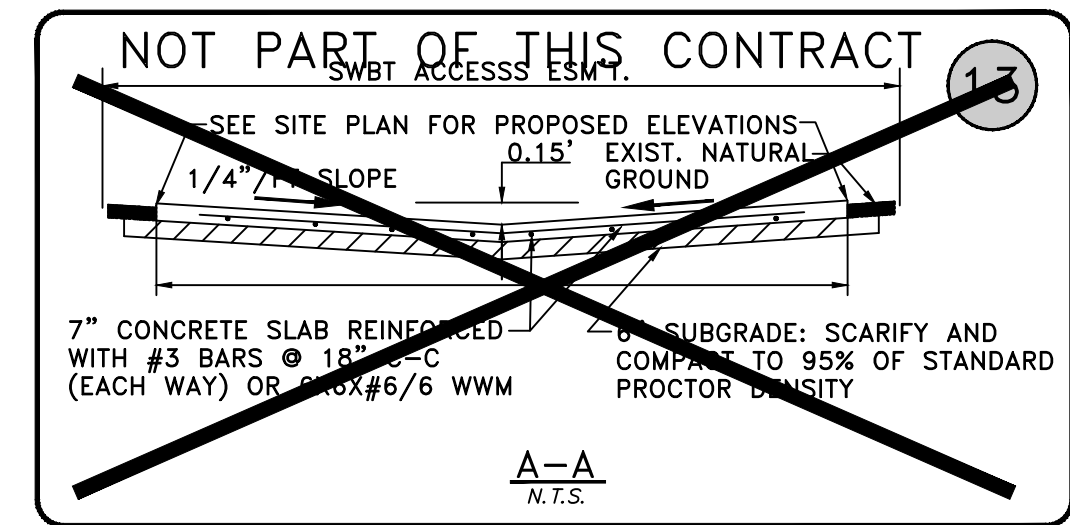
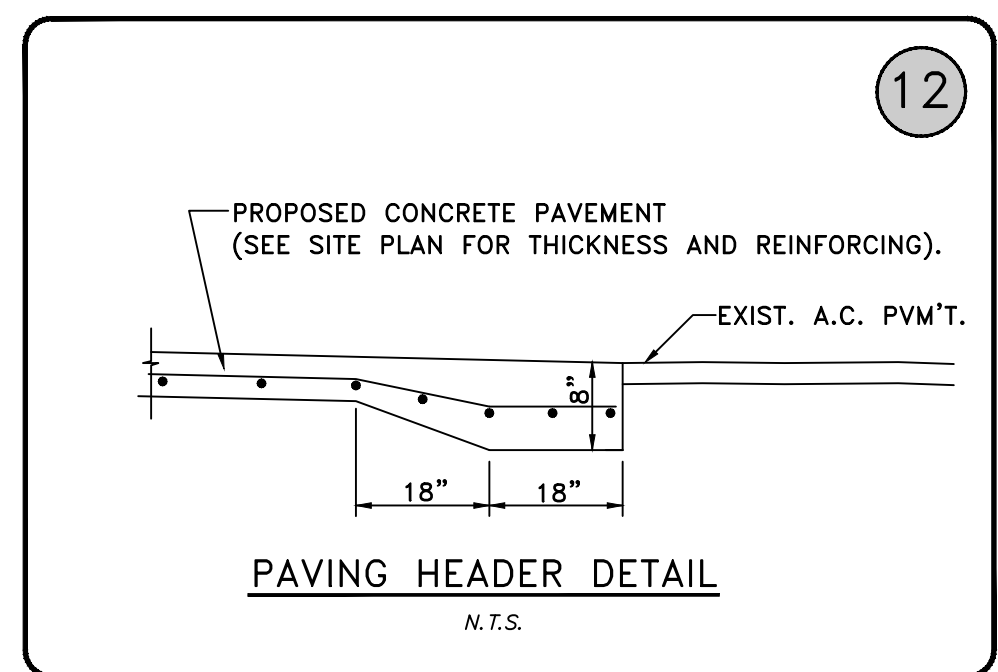
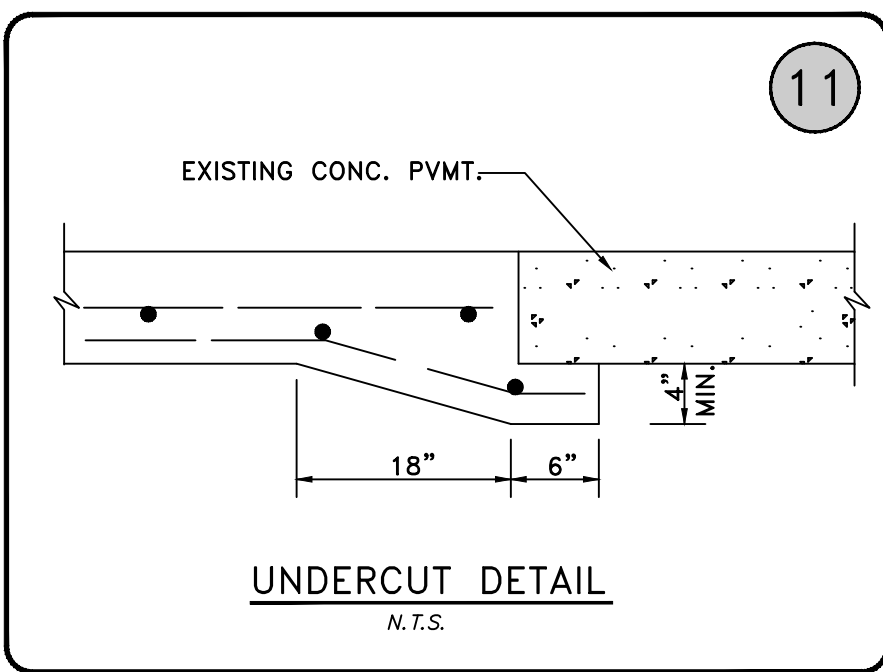
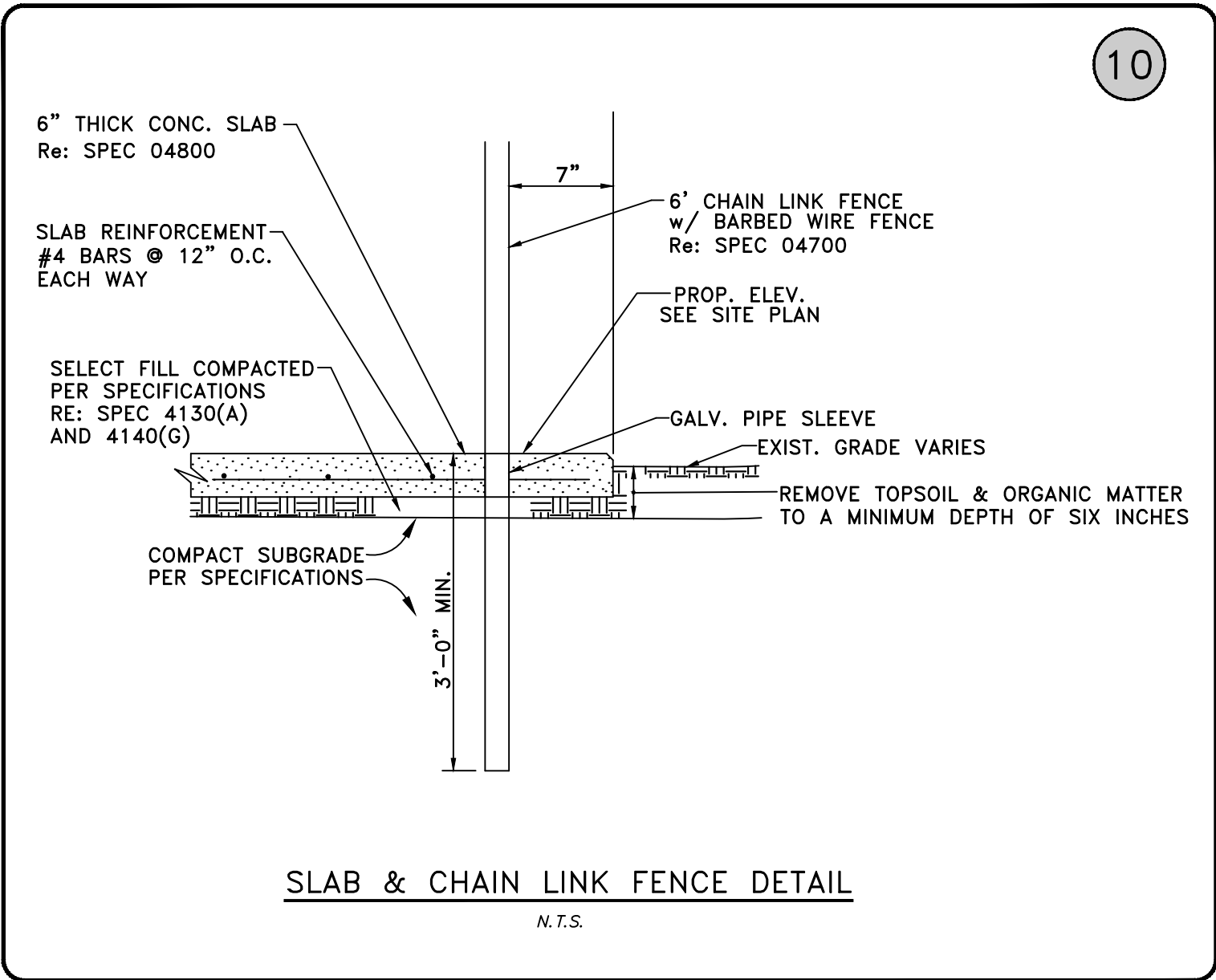
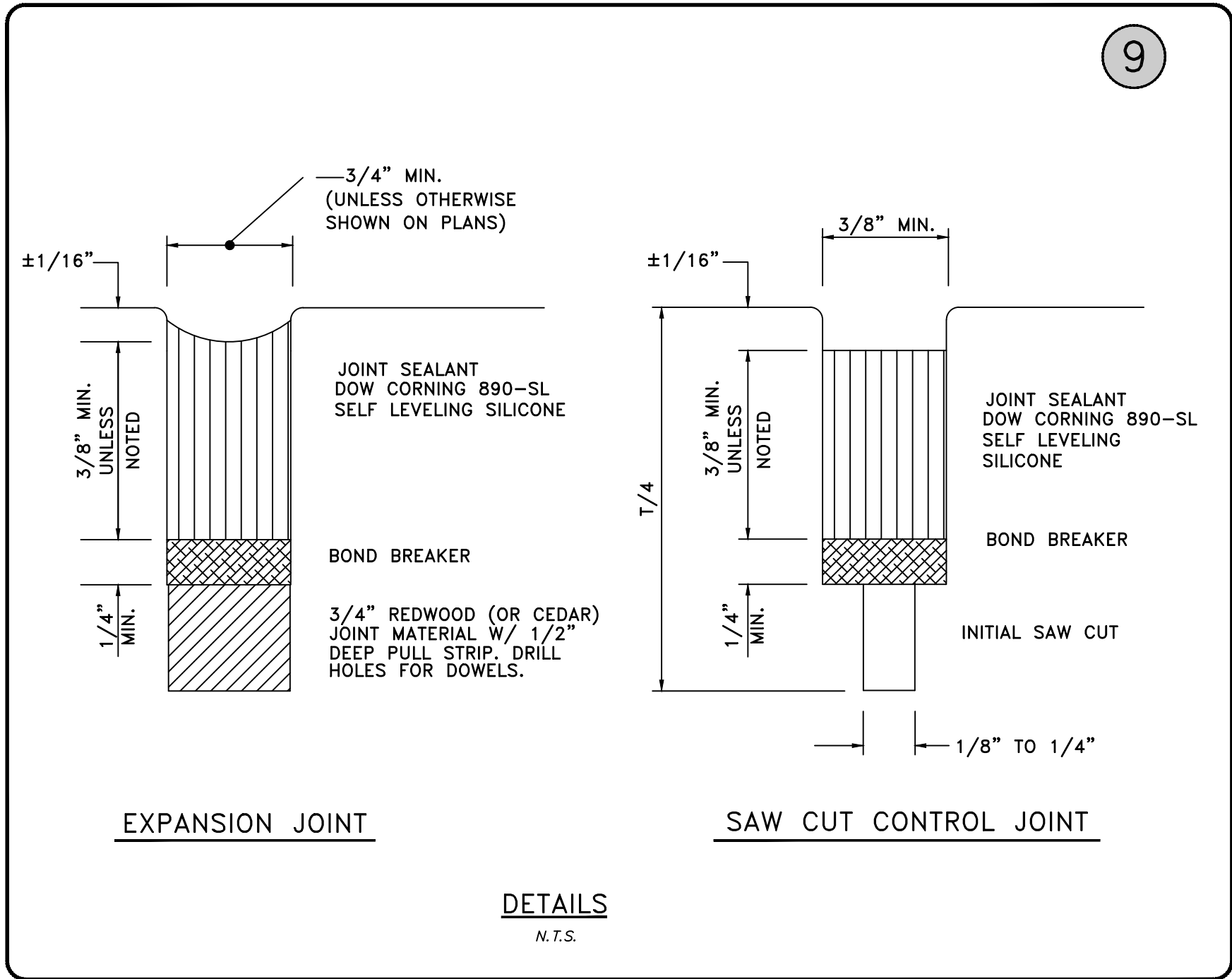
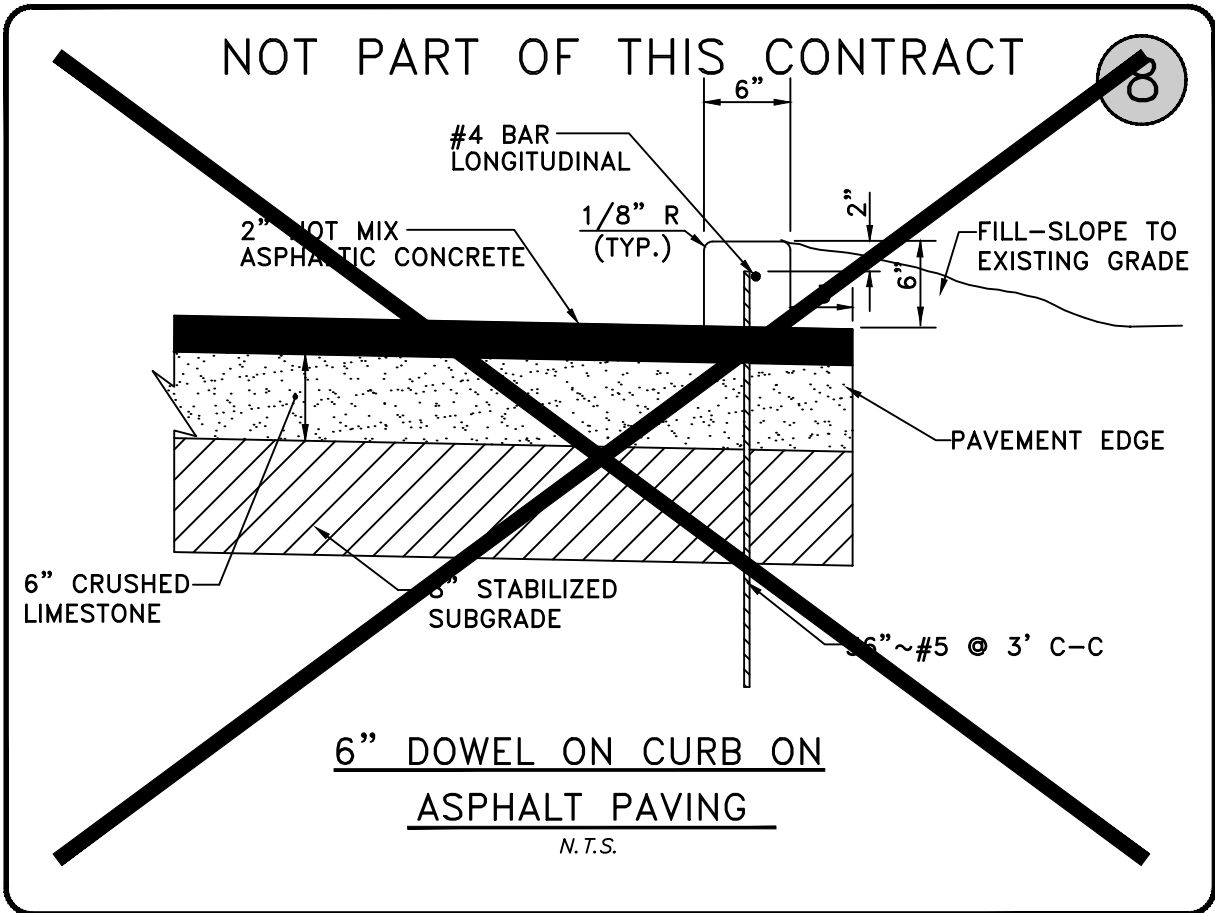
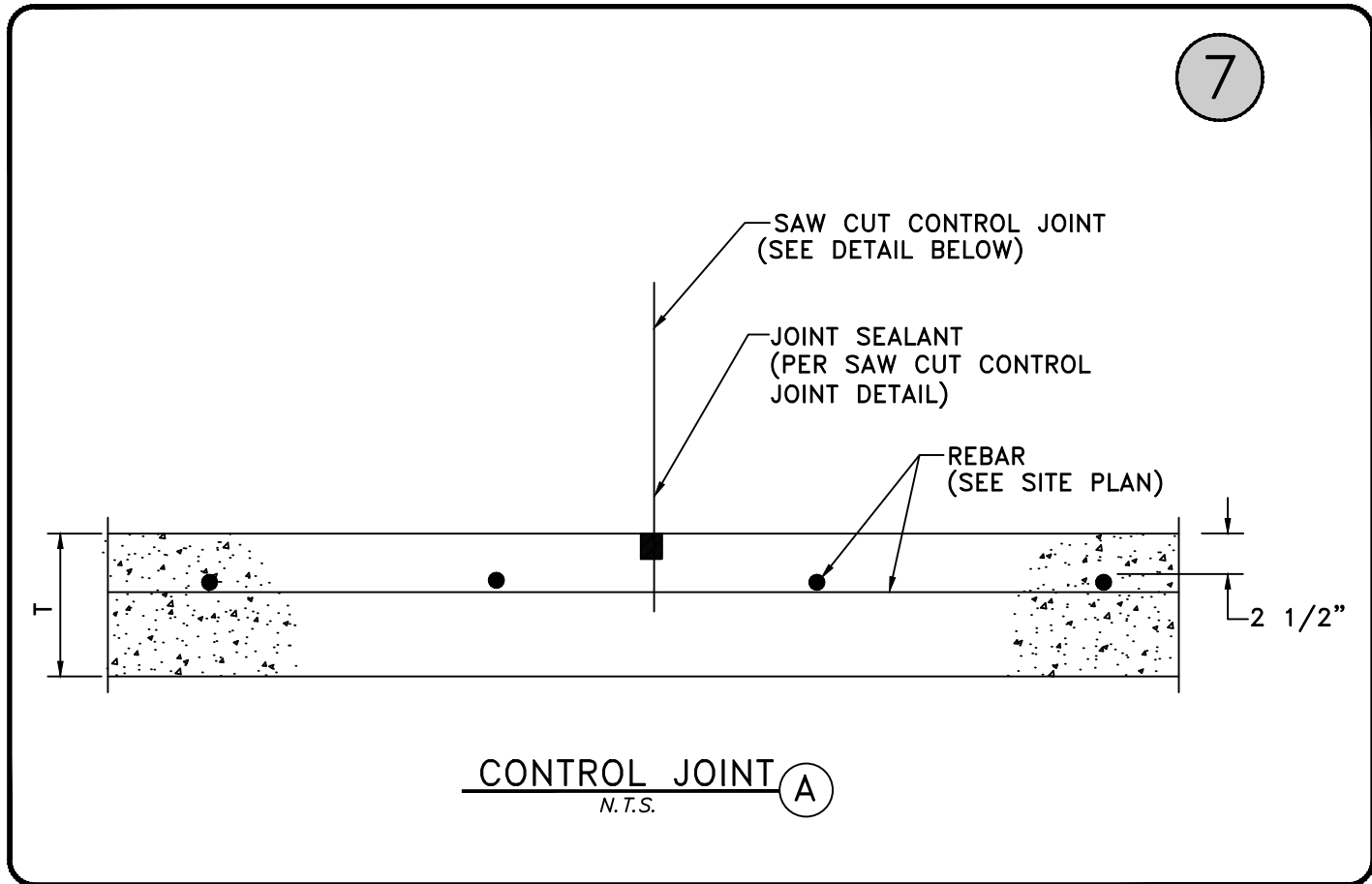
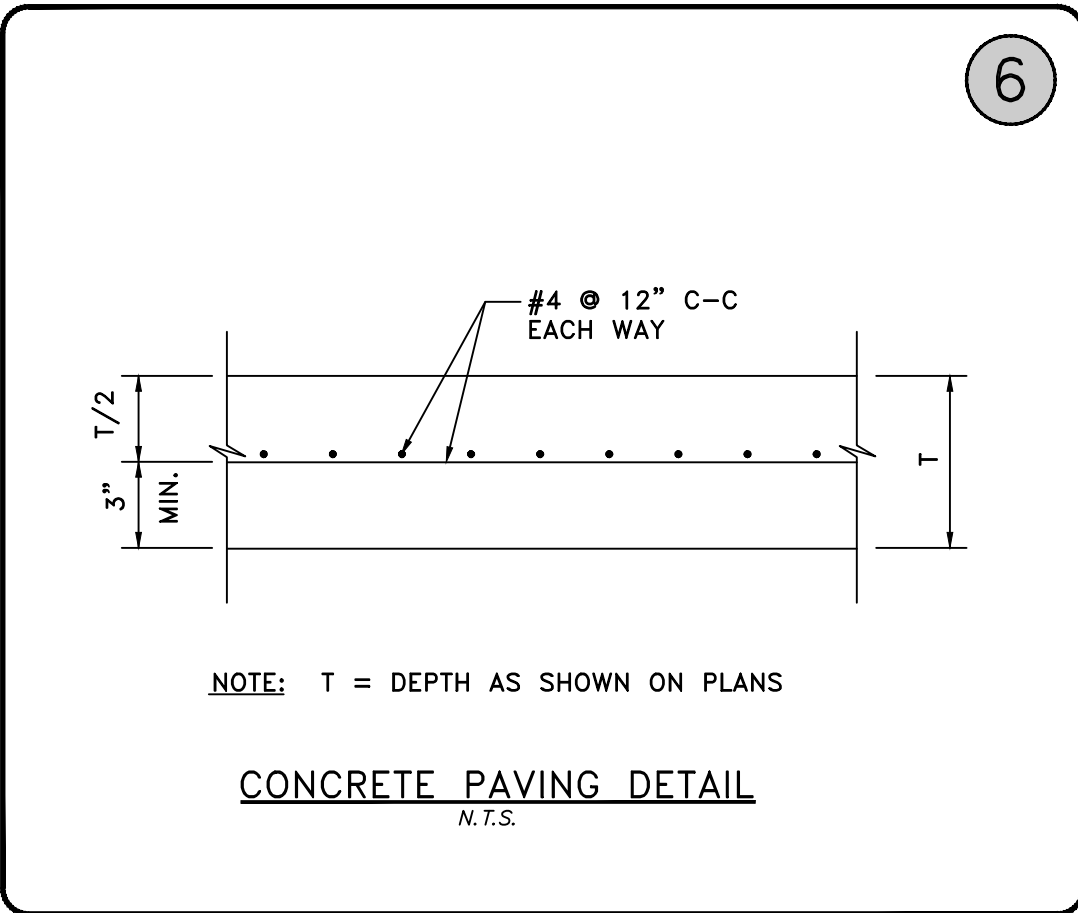
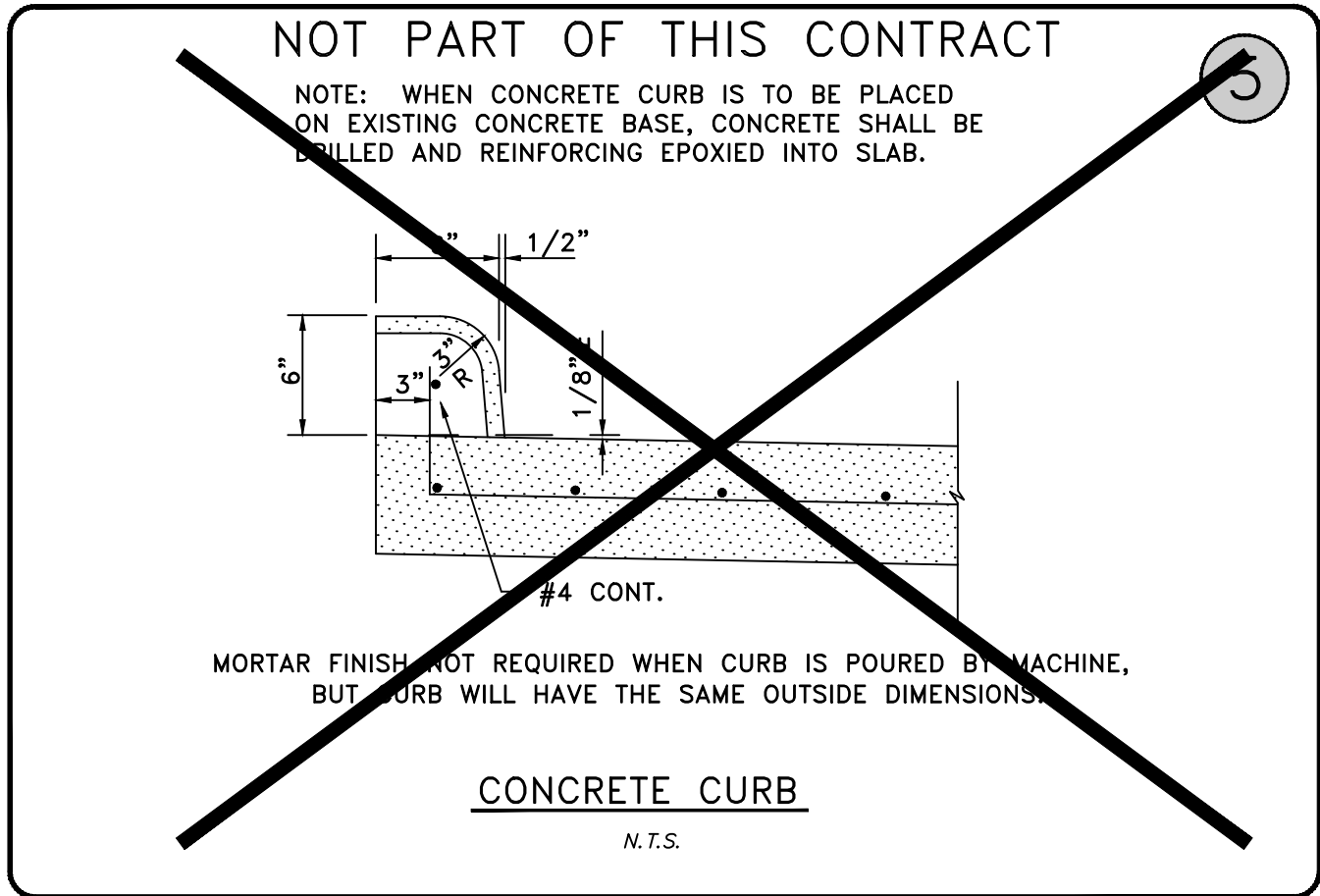
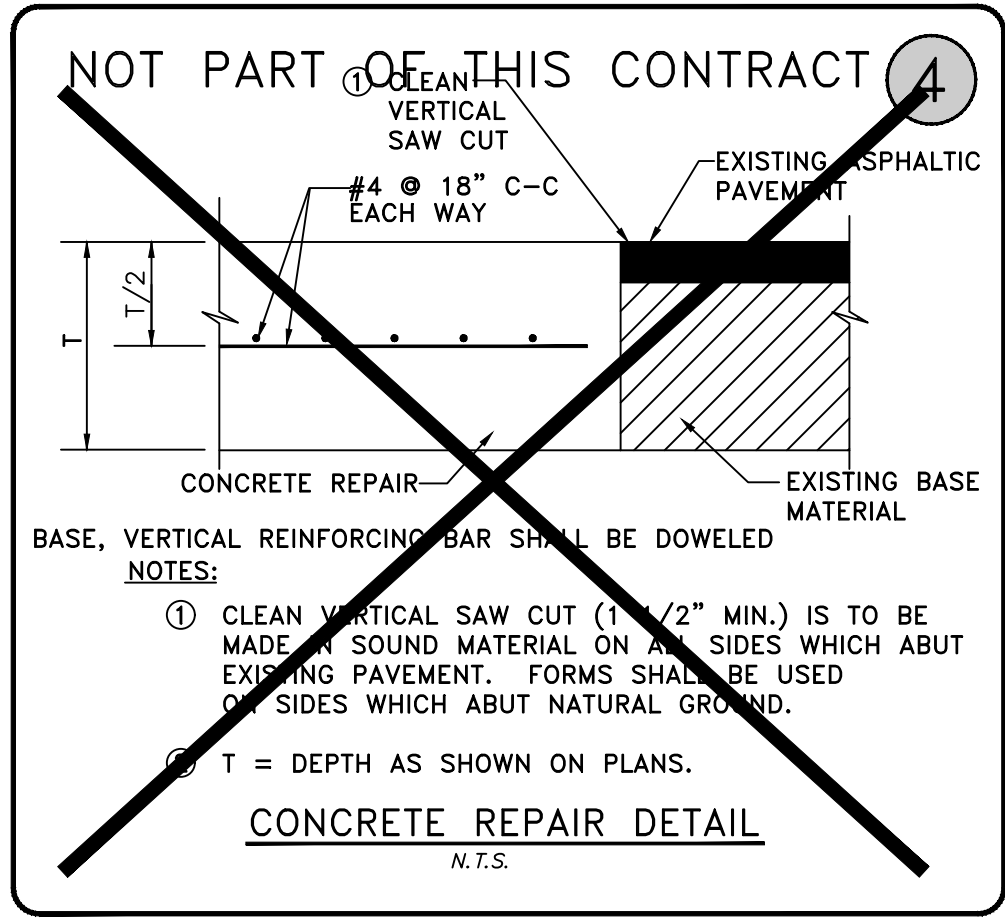
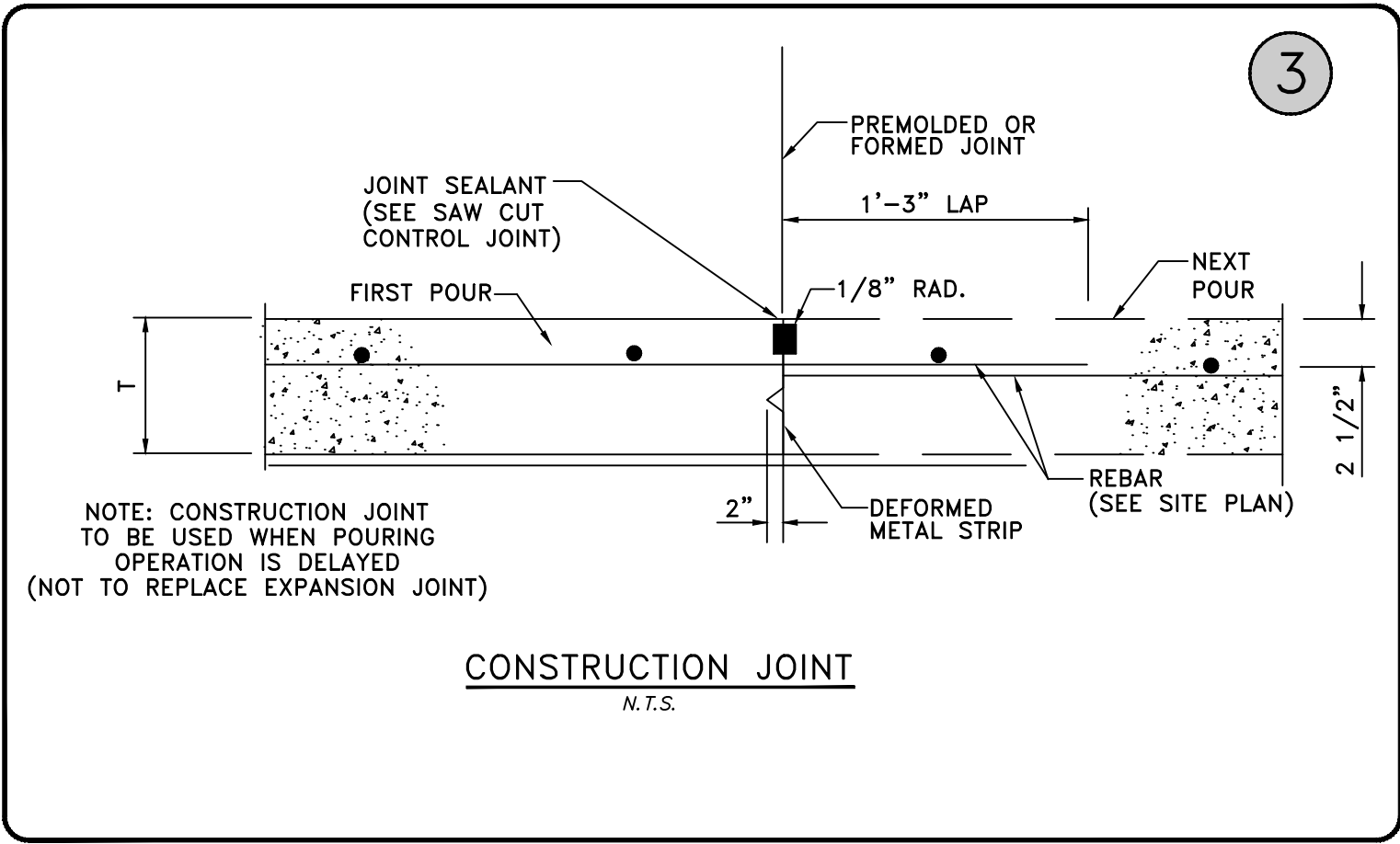
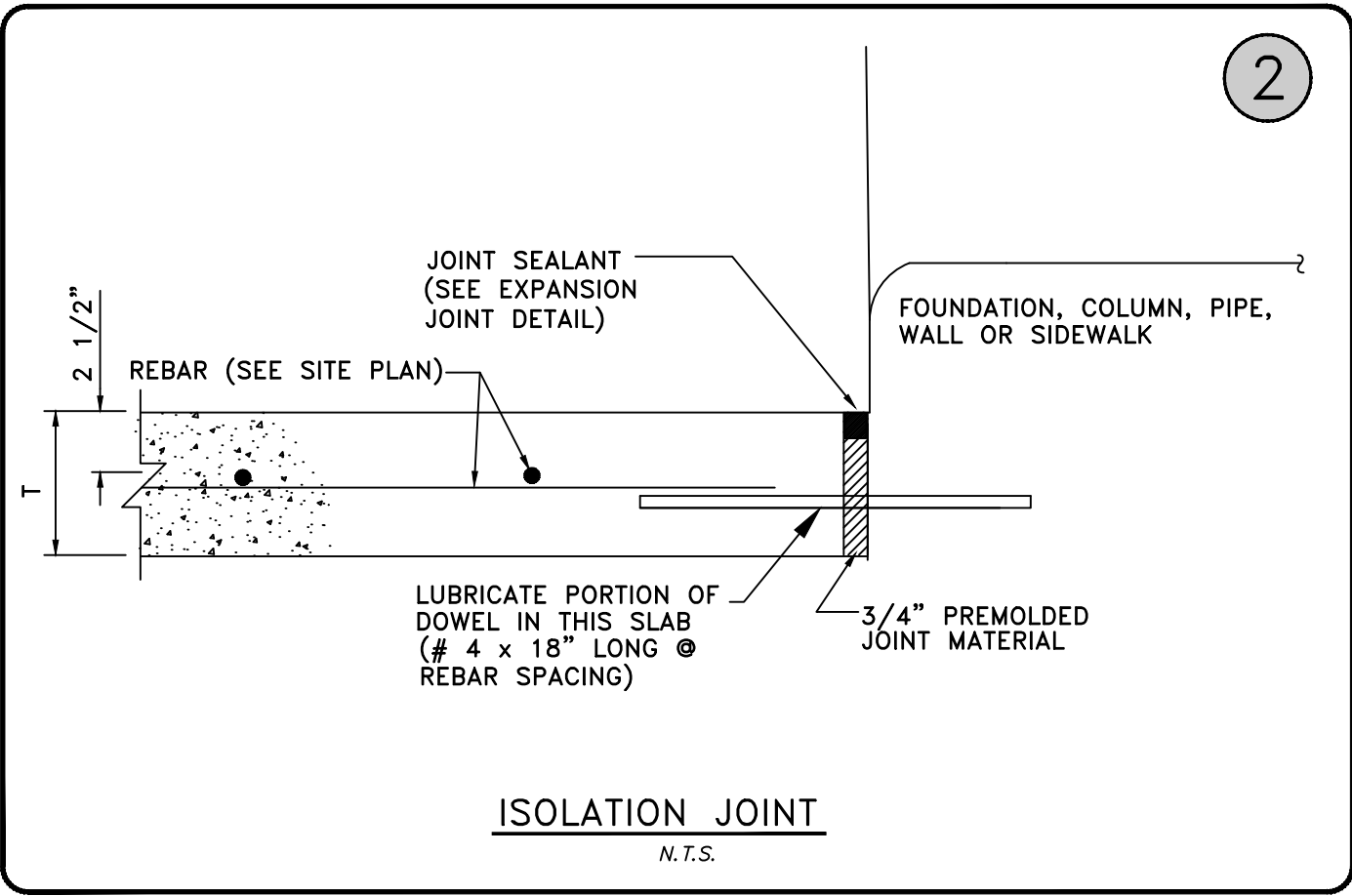
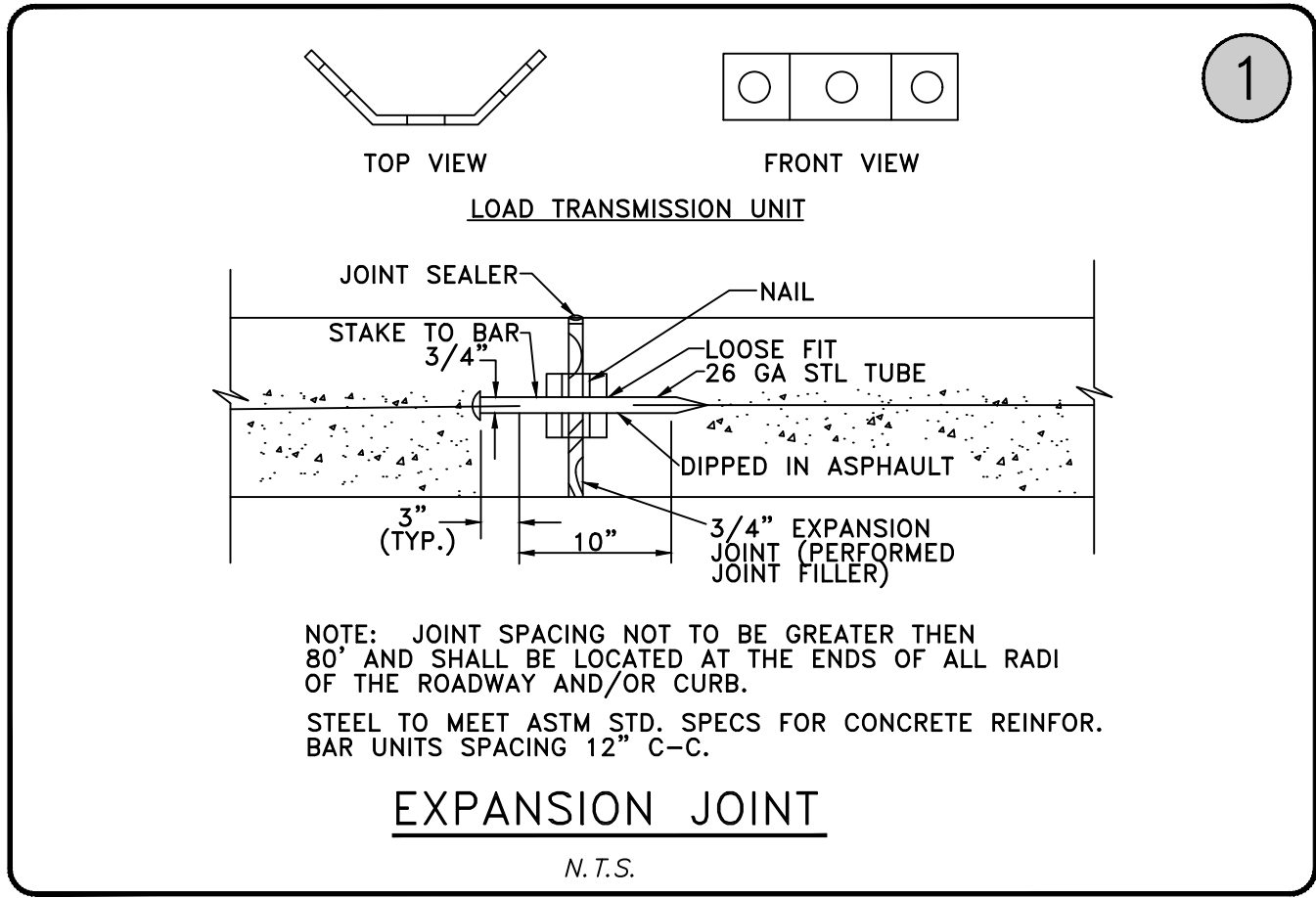












MISCELLANEOUS CONCRETE DETAILS

APPROVED: \_\_\_\_\_  
Development Coordinator

DATE: \_\_\_\_\_



CORPORATE REAL ESTATE  
**Richrose RT #2414**

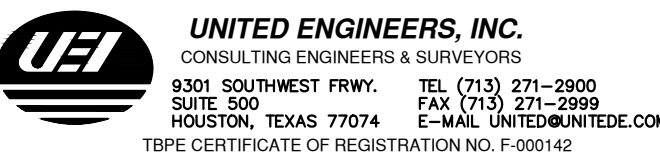
711 Louisiana Street  
Suite 300  
Houston, TX 77002  
Telephone 713.228.8050  
Facsimile 713.229.9343

**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



**PROPRIETARY AT&T INFORMATION**

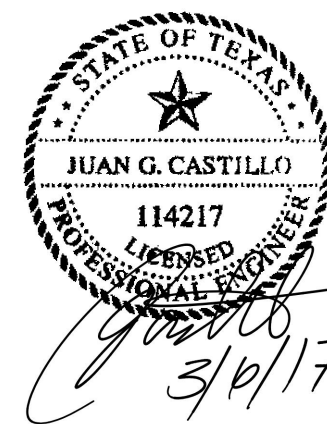
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AT&T PROJECT NUMBER	AT&T AUTHORIZATION
GEOTEC #	AT&T PROJECT MANAGER

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

Seal/Signature



Project Name  
Richrose RT #2414

Project Number

CAD File Name

Alliance Number

Description  
CONSTRUCTION PLAN

Scale  
N.T.S.



**SHEET 4 OF 10**

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04810 RELATED DOCUMENTS: Refer to General and Supplementary Conditions.

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.

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.

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.

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%	0-10%

6. Water: Clean and pure enough to drink.
7. Admixtures: For all concrete, add Master Builders "Pozzolith" and "Sterox 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".

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.

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.

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 retempered 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

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.

- 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.



Richard W. Stolleis, P.E.  
County Engineer

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](mailto: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 ½ 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 placed 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 Rectifierized 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.

DETAIL SHEET NO. 2



at&t

CORPORATE REAL ESTATE  
**Richrose RT #2414**

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

## 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  
9301 SOUTHWEST FRWY. TEL (713) 271-2900  
SUITE 500 FAX (713) 271-2999  
HOUSTON, TEXAS 77074 E-MAIL UNITED@UNITEDE.COM  
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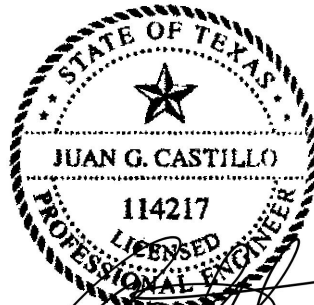
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FOR BUILDINGS, CONSTRUCTION, AND/OR ZONING  
CHANGES.

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

[illegible]

Seal/Signature



3/6/17

Project Name  
Richrose RT #2414

Project Number: \_\_\_\_\_

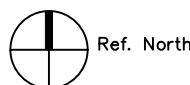
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ALLIANCE NUMBER

Description	CONSTRUCTION PLAN
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**Scale**

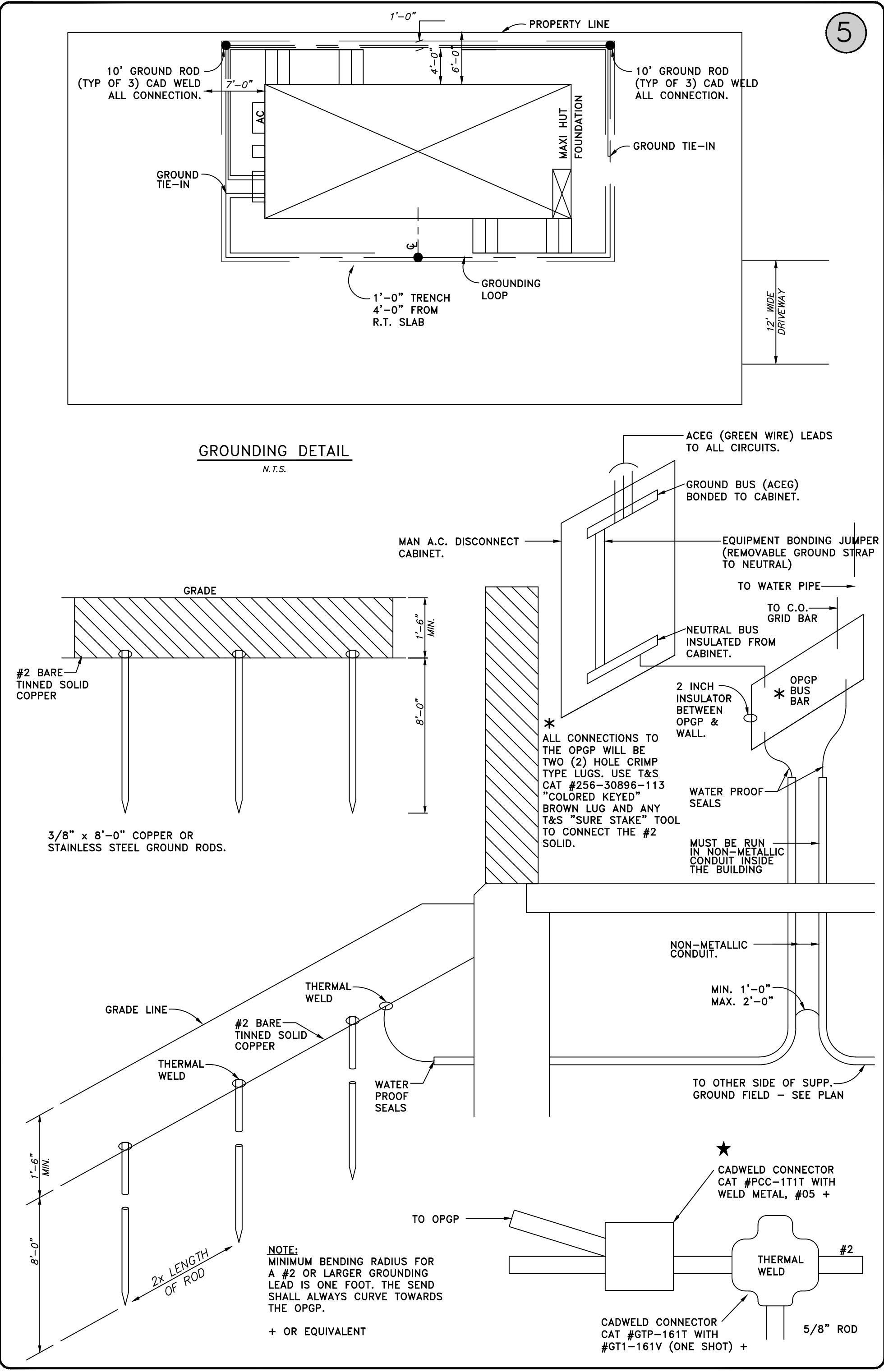
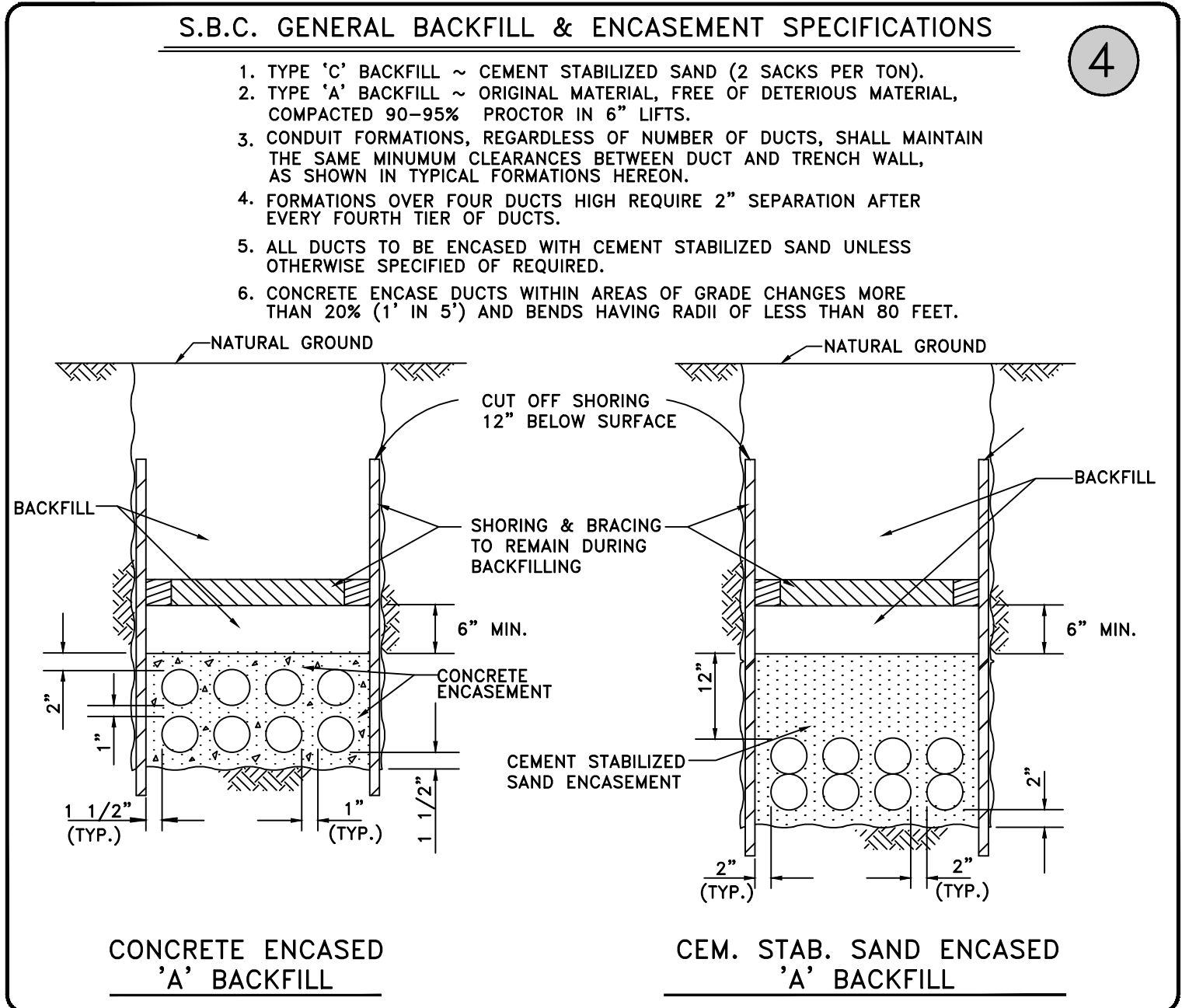
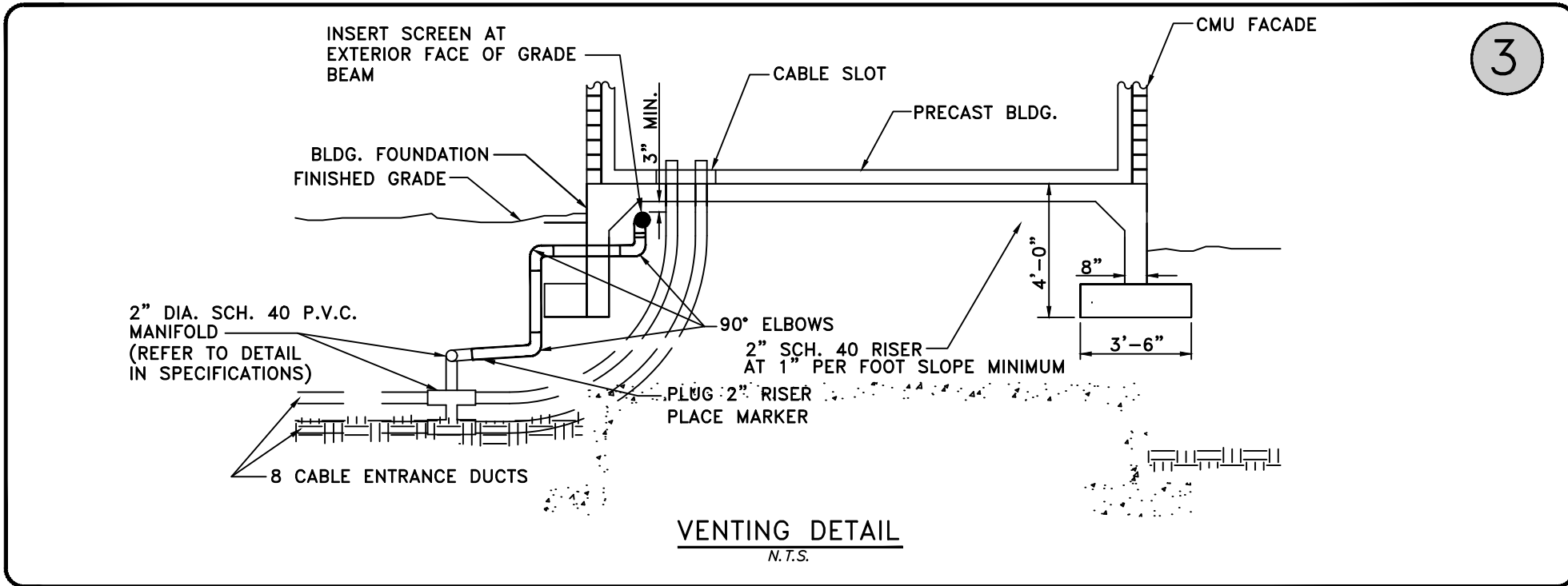
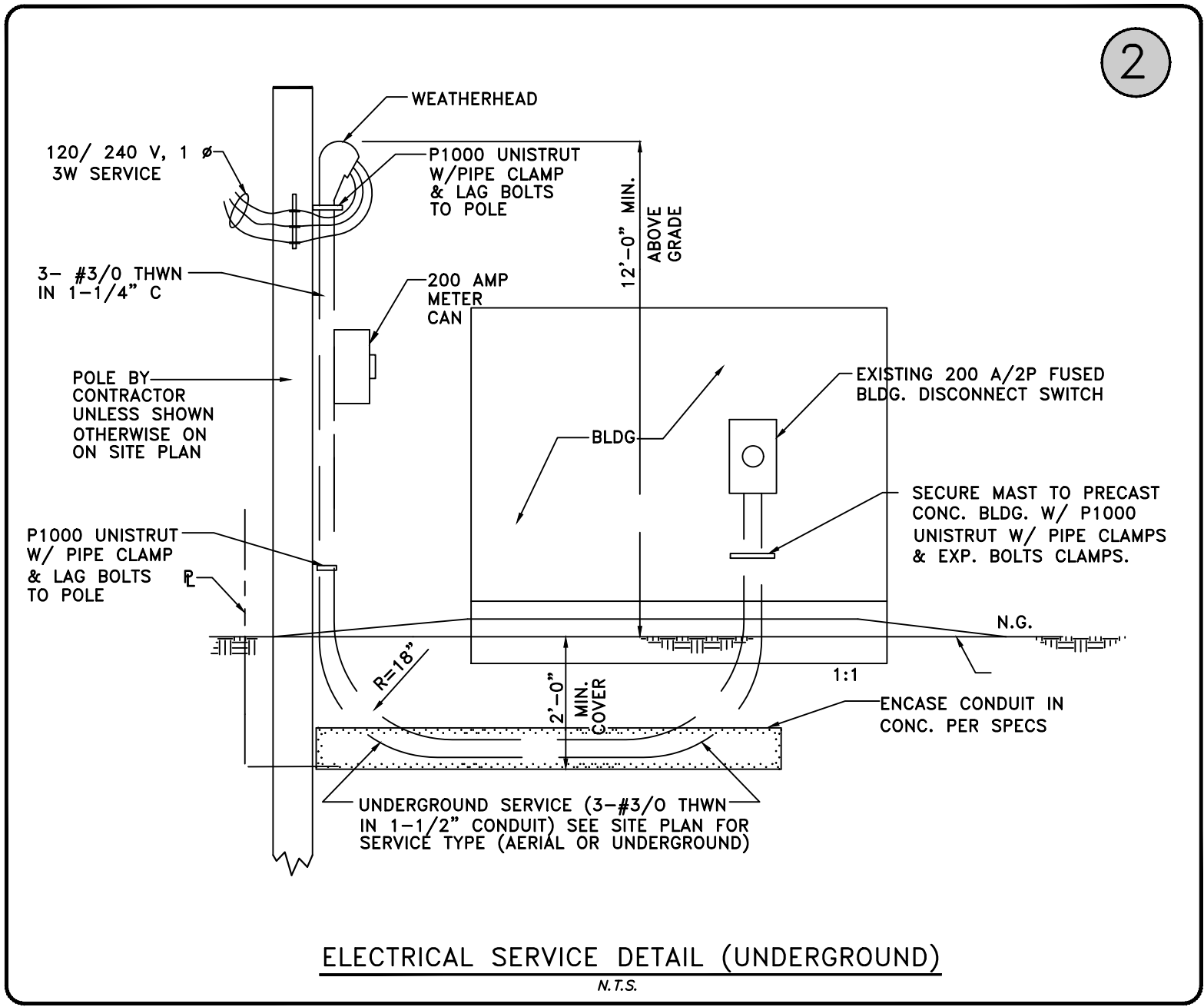
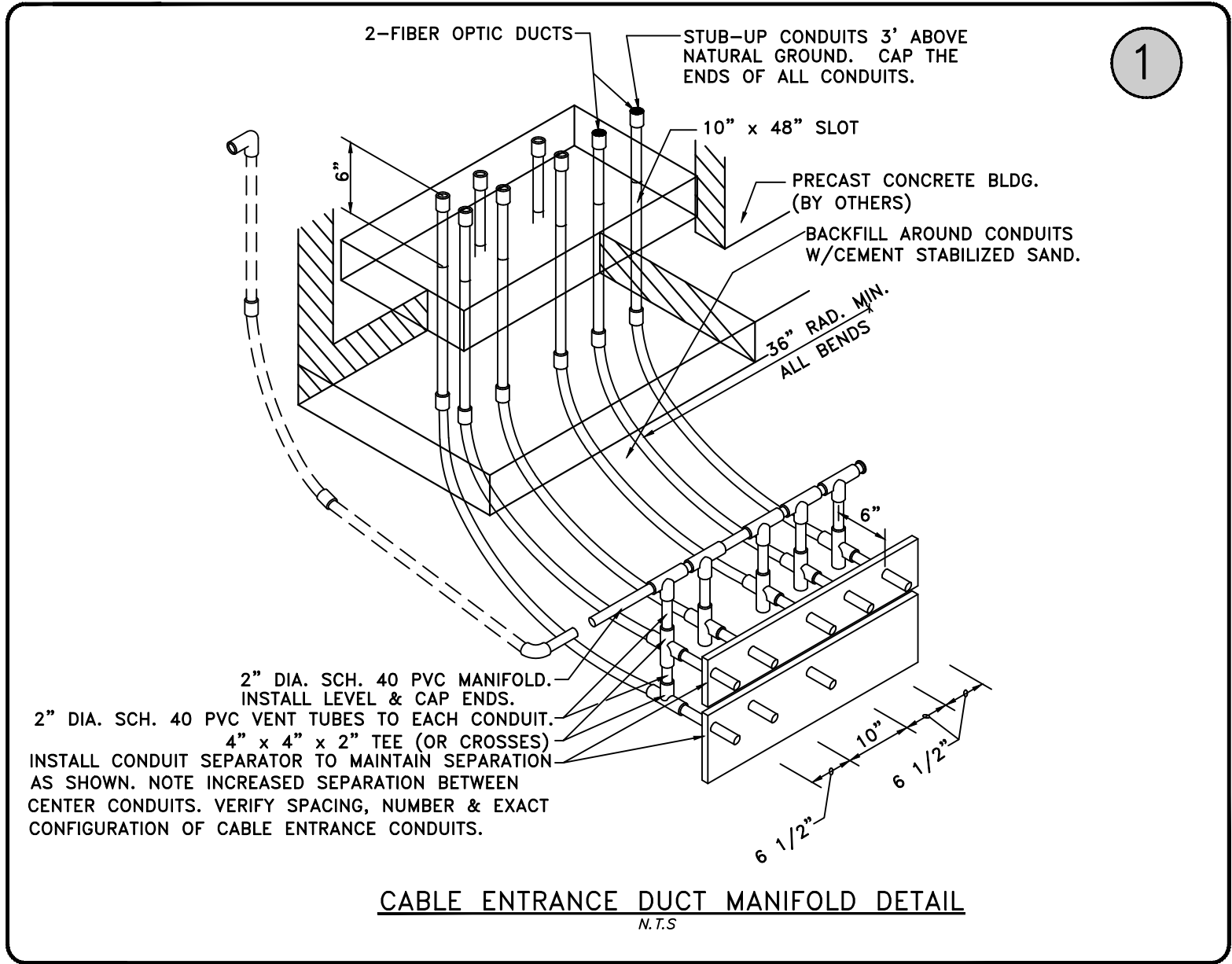
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**SHEET 5 OF 10**

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ELECTRICAL, CONDUITS AND MISCELLANEOUS DETAILS

APPROVED: \_\_\_\_\_  
Development Coordinator  
DATE: \_\_\_\_\_

**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

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TYPE CERTIFICATE OF REGISTRATION NO. F-000142

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GEOTEC #	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  
EXPIRED 12/31/17  
3/6/17

Project Name  
Richrose RT #2414

Project Number

CAD File Name

ALLIANCE NUMBER

Description  
CONSTRUCTION PLAN

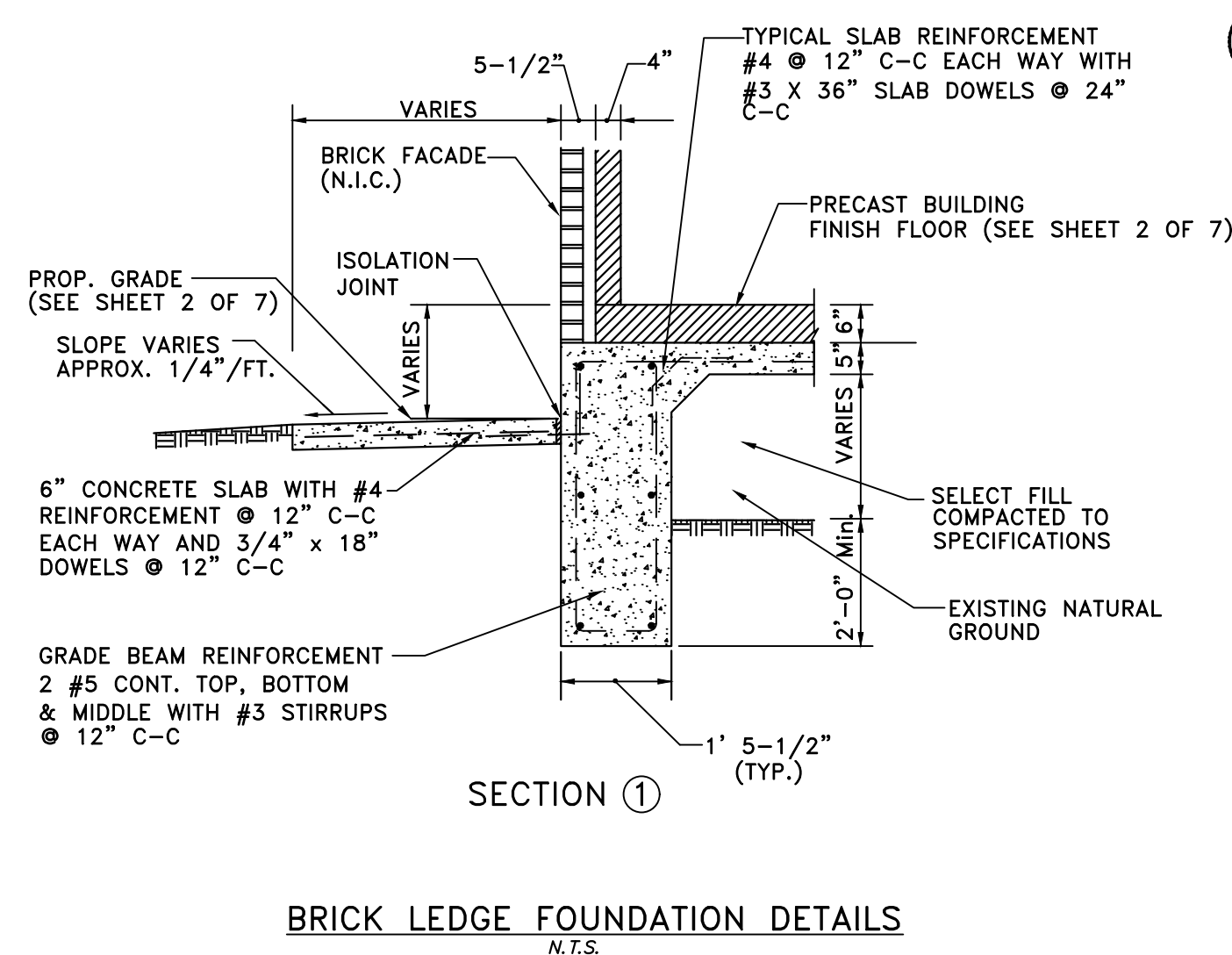
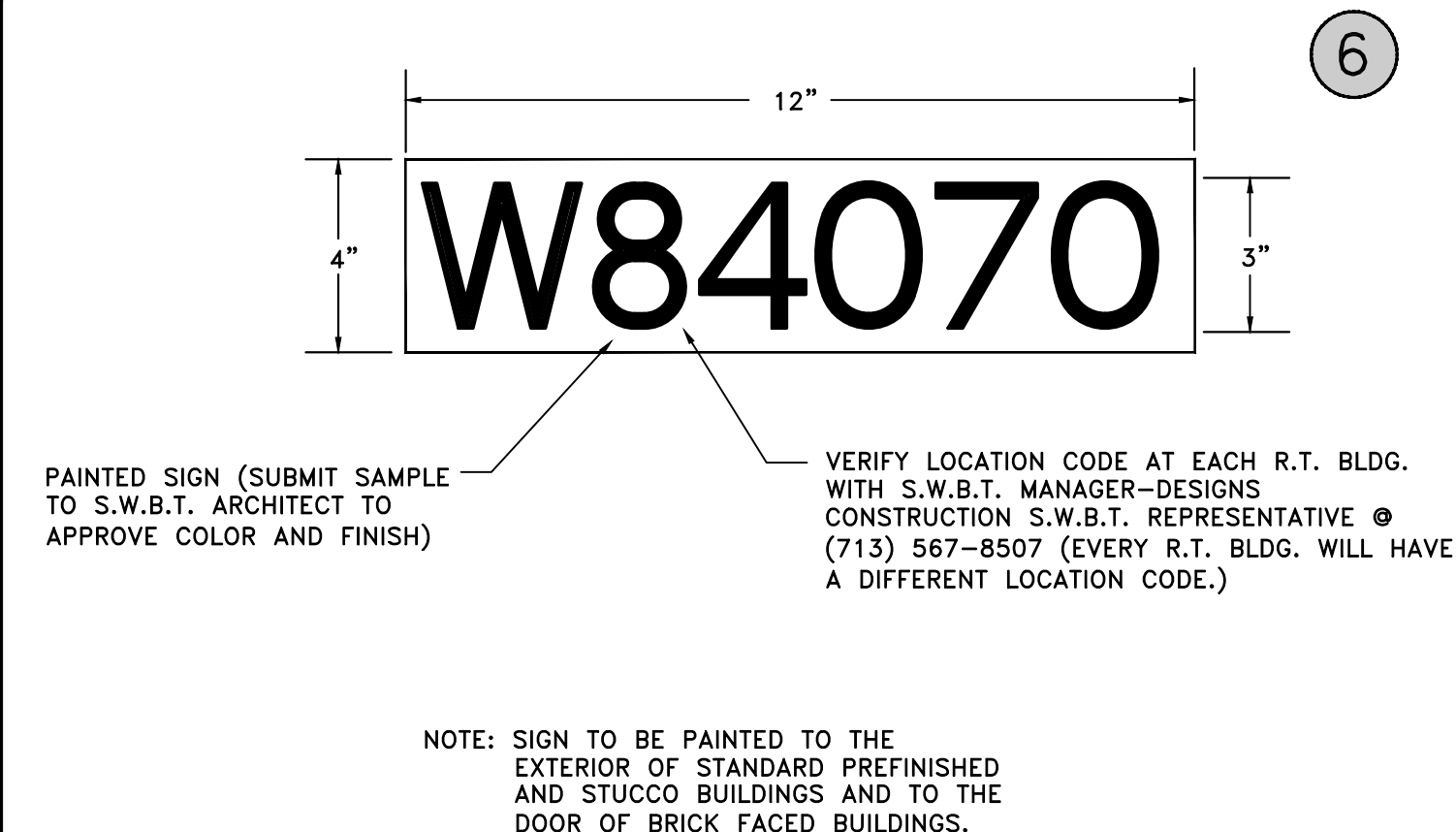
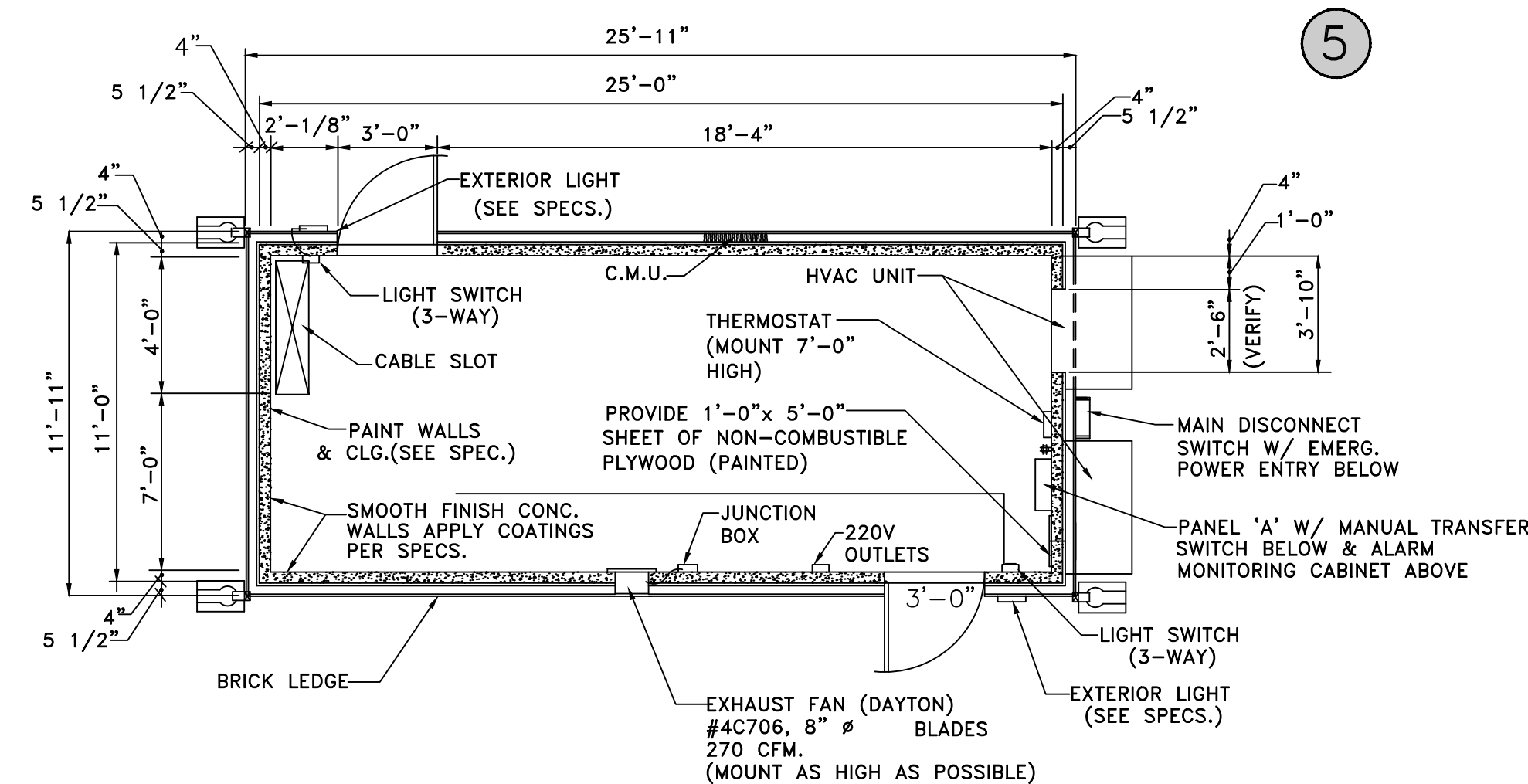
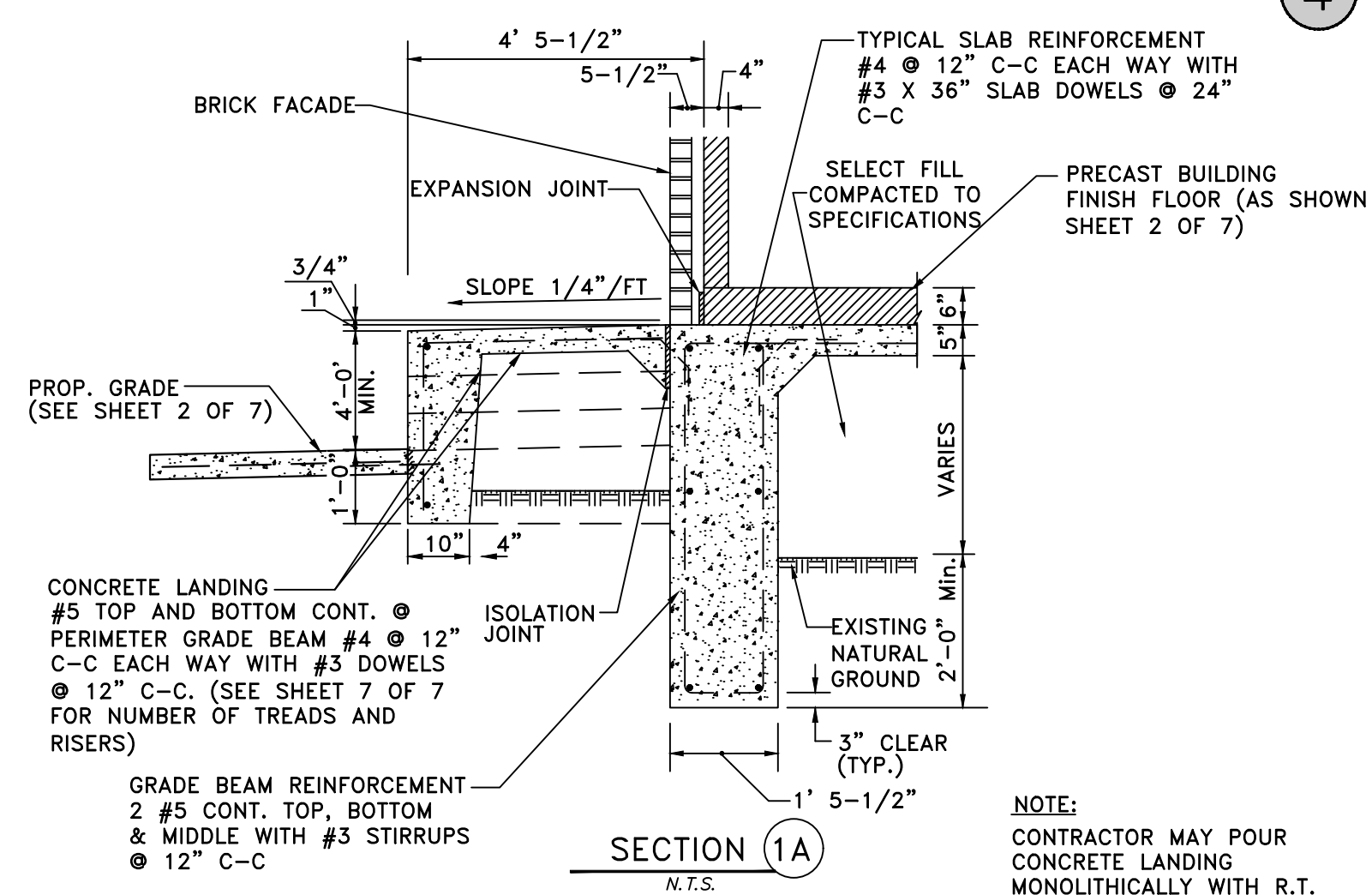
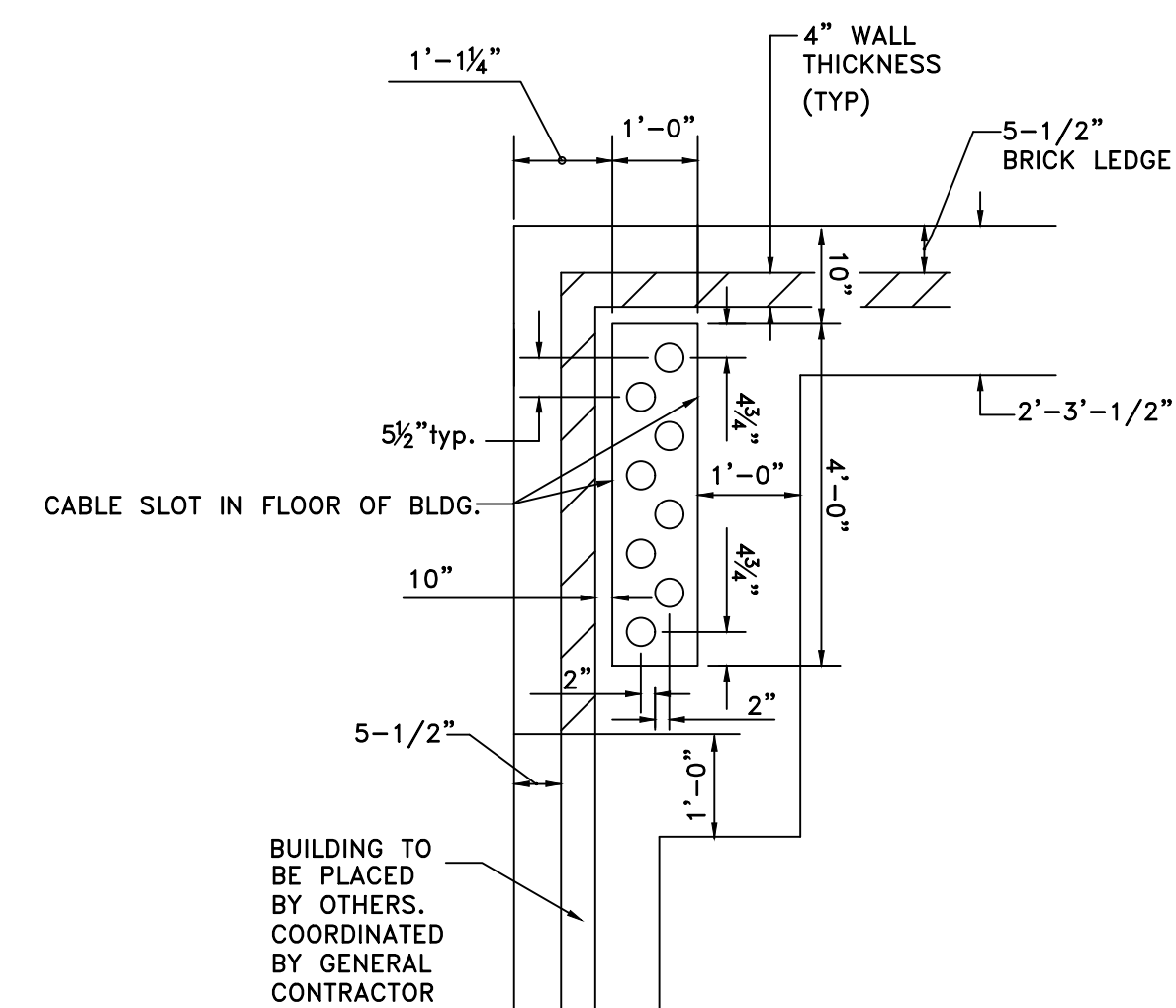
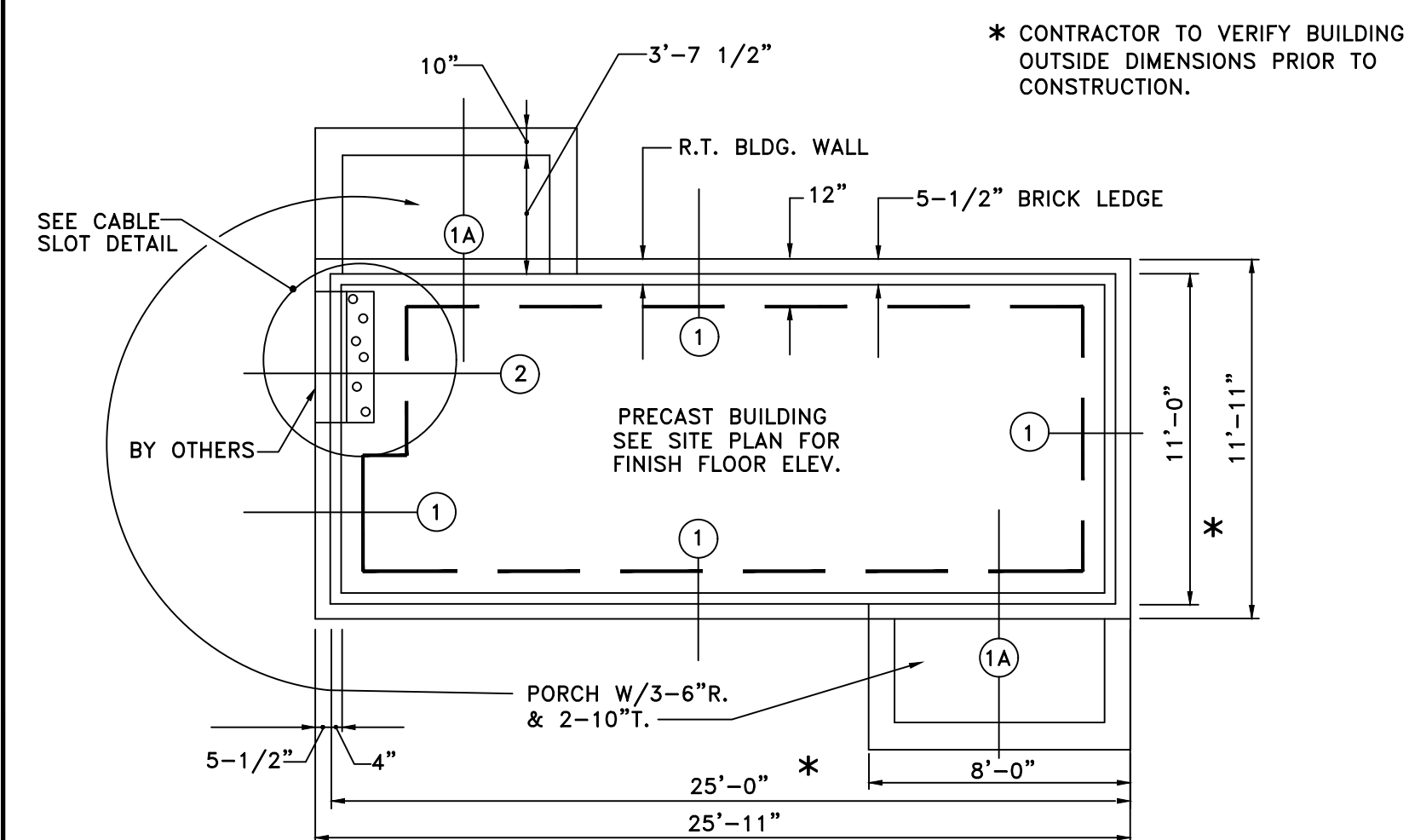
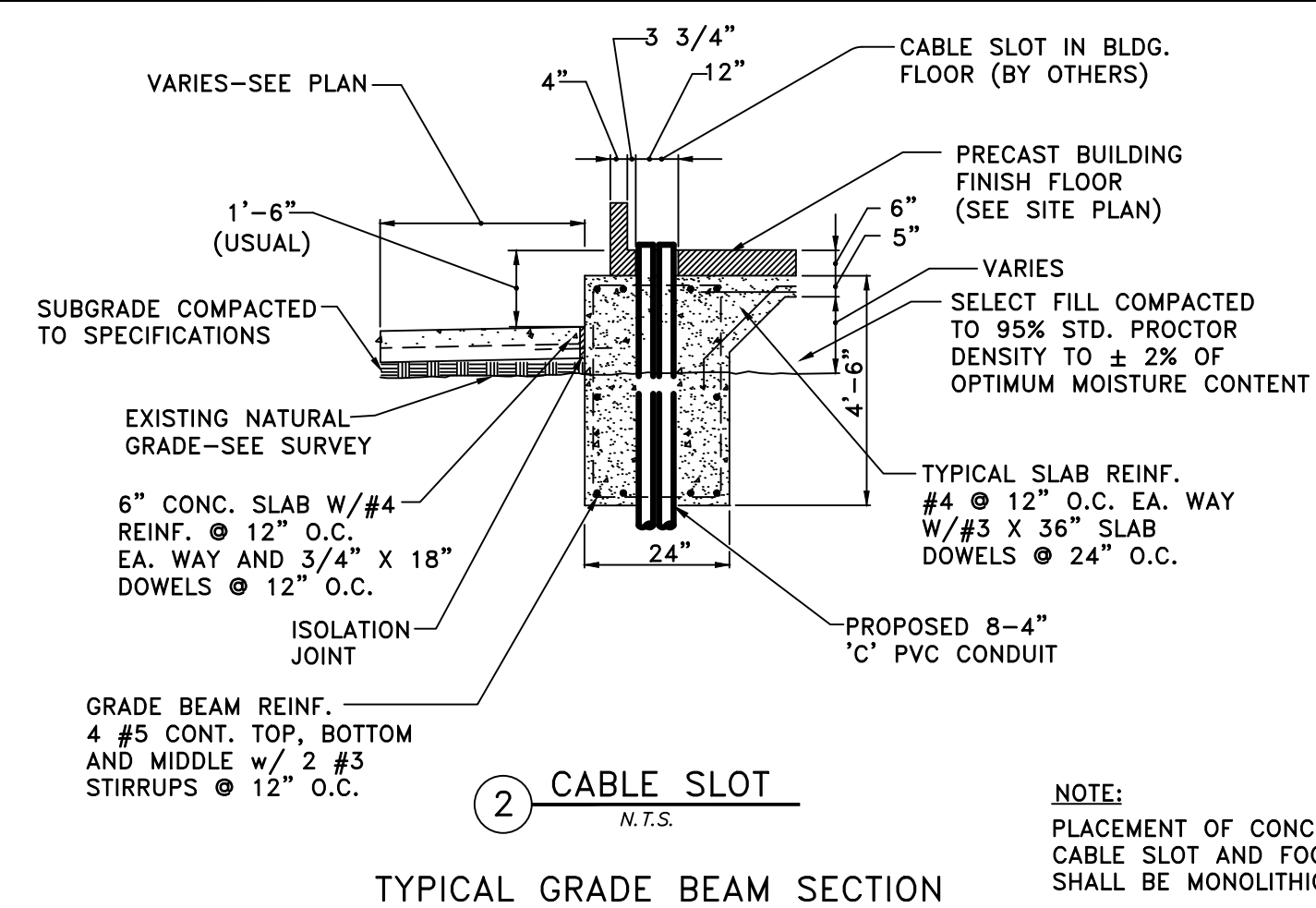
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Ref. North

**SHEET 6 OF 10**

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## REMOTE TERMINAL BUILDING CONSTRUCTION DETAILS



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**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



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9301 SOUTHWEST FRWY. TEL (713) 271-2900  
SUITE 500 FAX (713) 271-2999  
HOUSTON, TEXAS 77074 E-MAIL UNITED@UNITED.CO

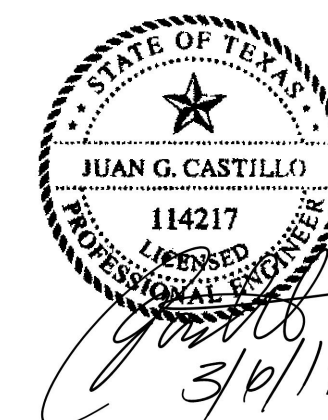
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AT&T PROJECT NUMBER	AT&T AUTHORIZATION
GEOtec #	AT&T PROJECT MANAGER

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

Seal/Signature



Project Name  
Richrose RT #2414

Project Number

CAD File Name

ALLIANCE NUMBER

Description	CONSTRUCTION PLAN
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Scale	
N.T.S.	

**SHEET 7 OF 10**

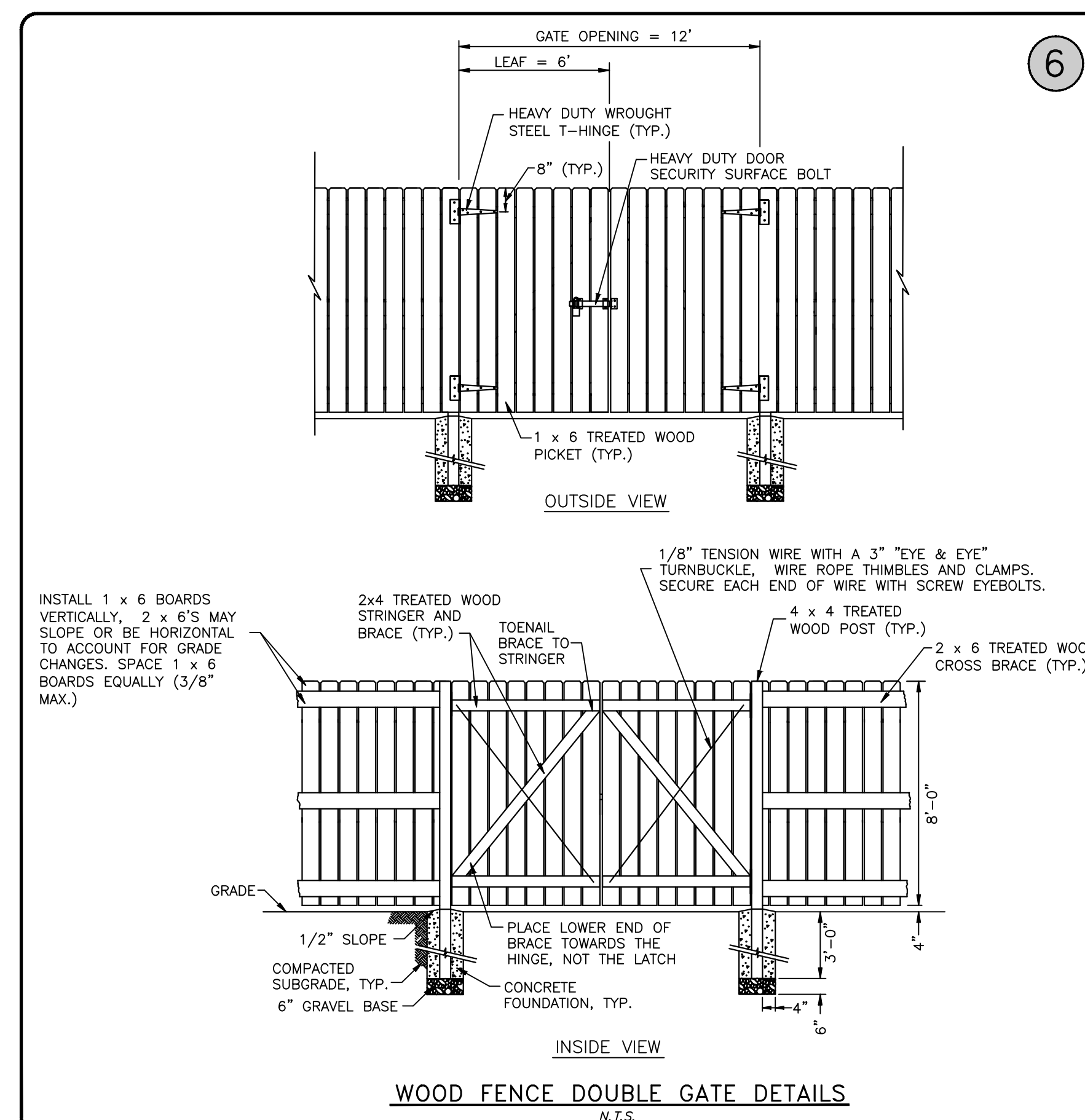
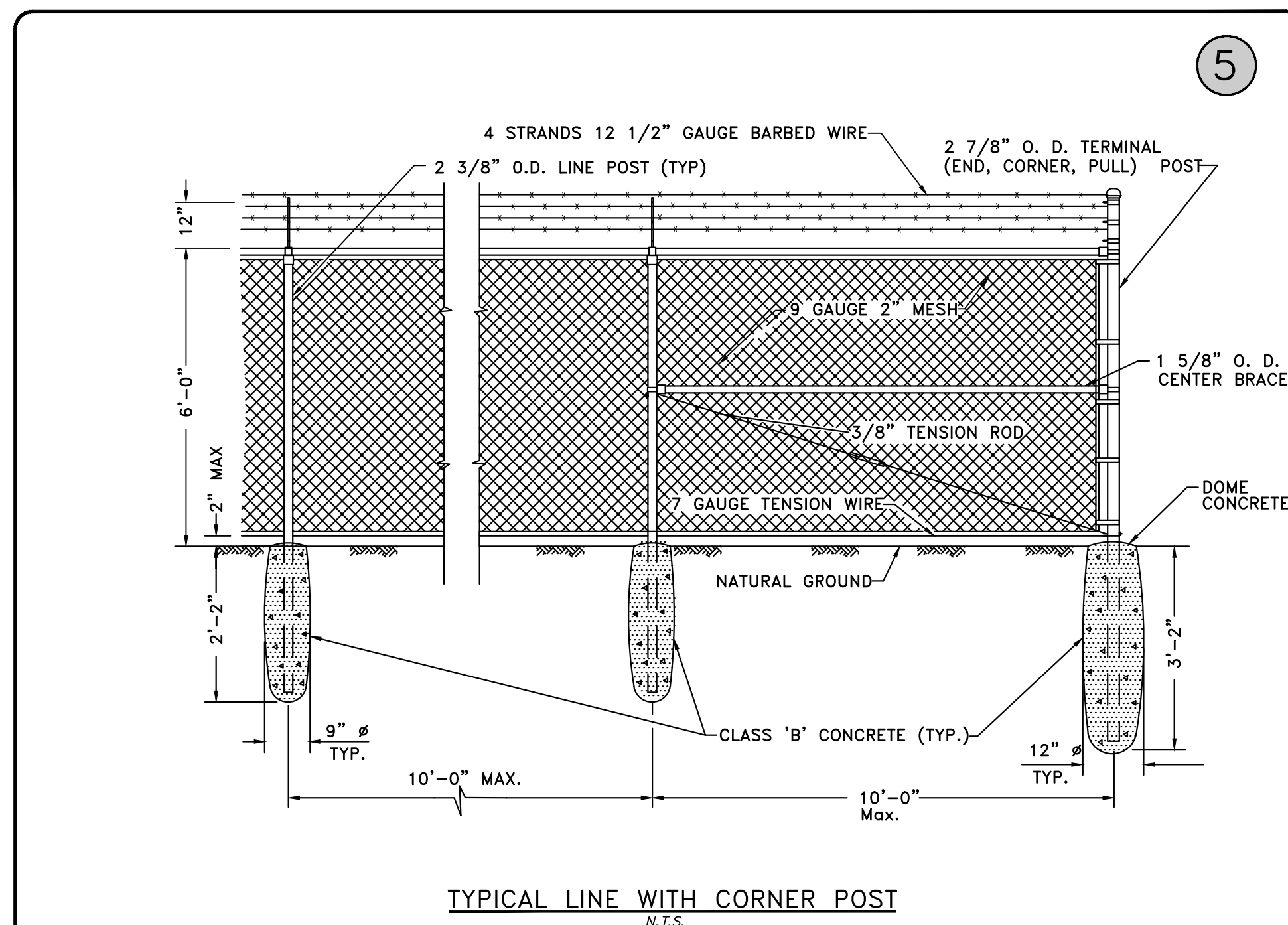
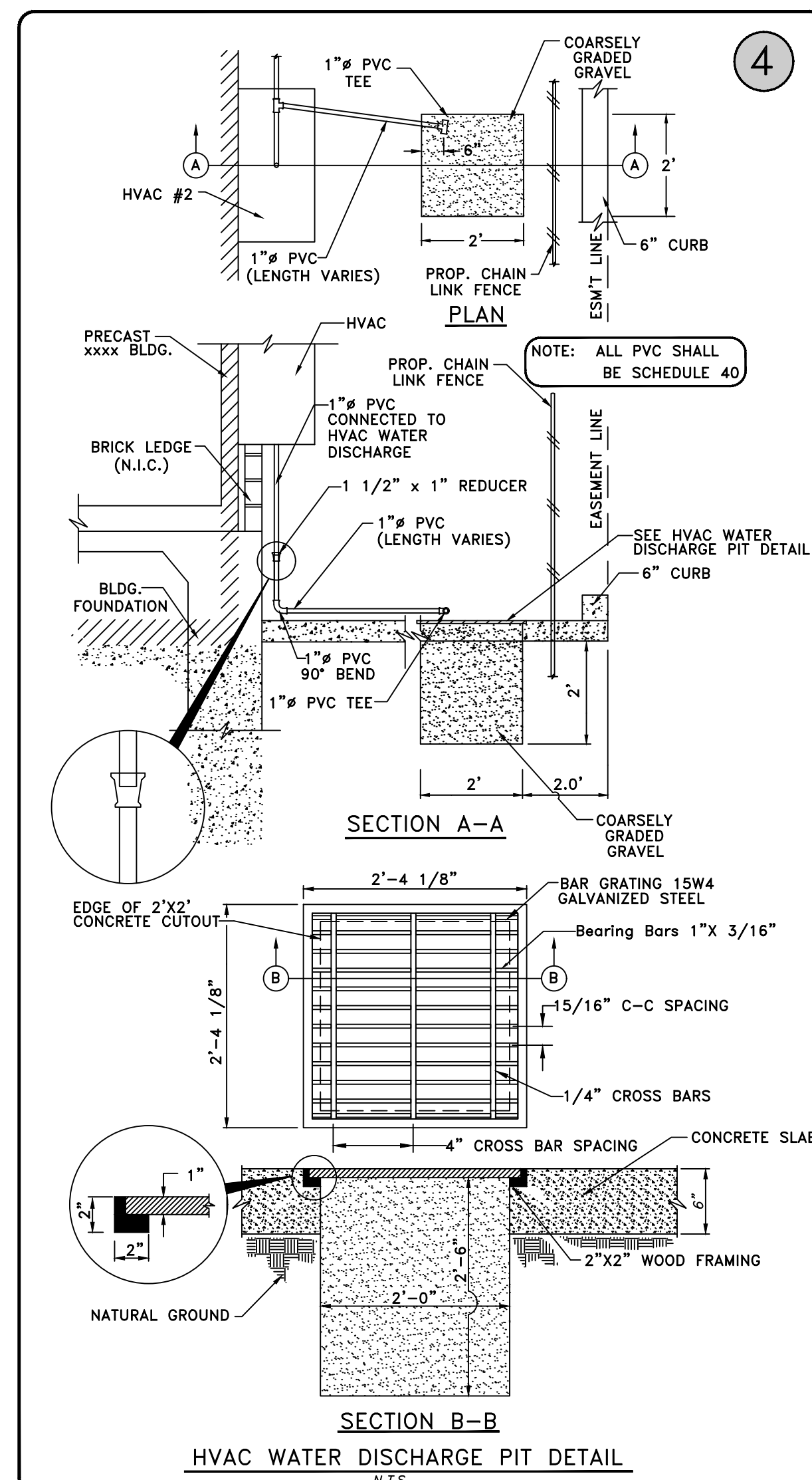
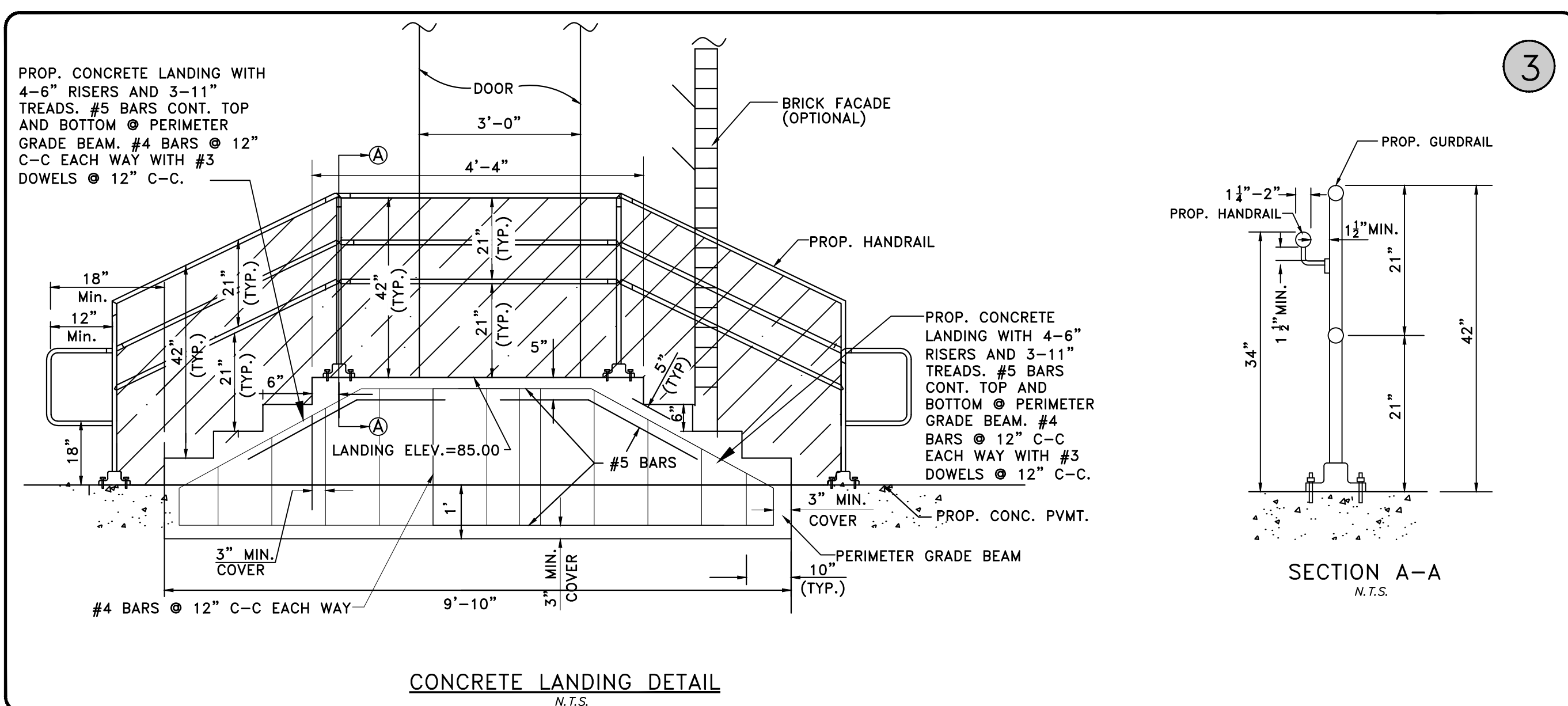
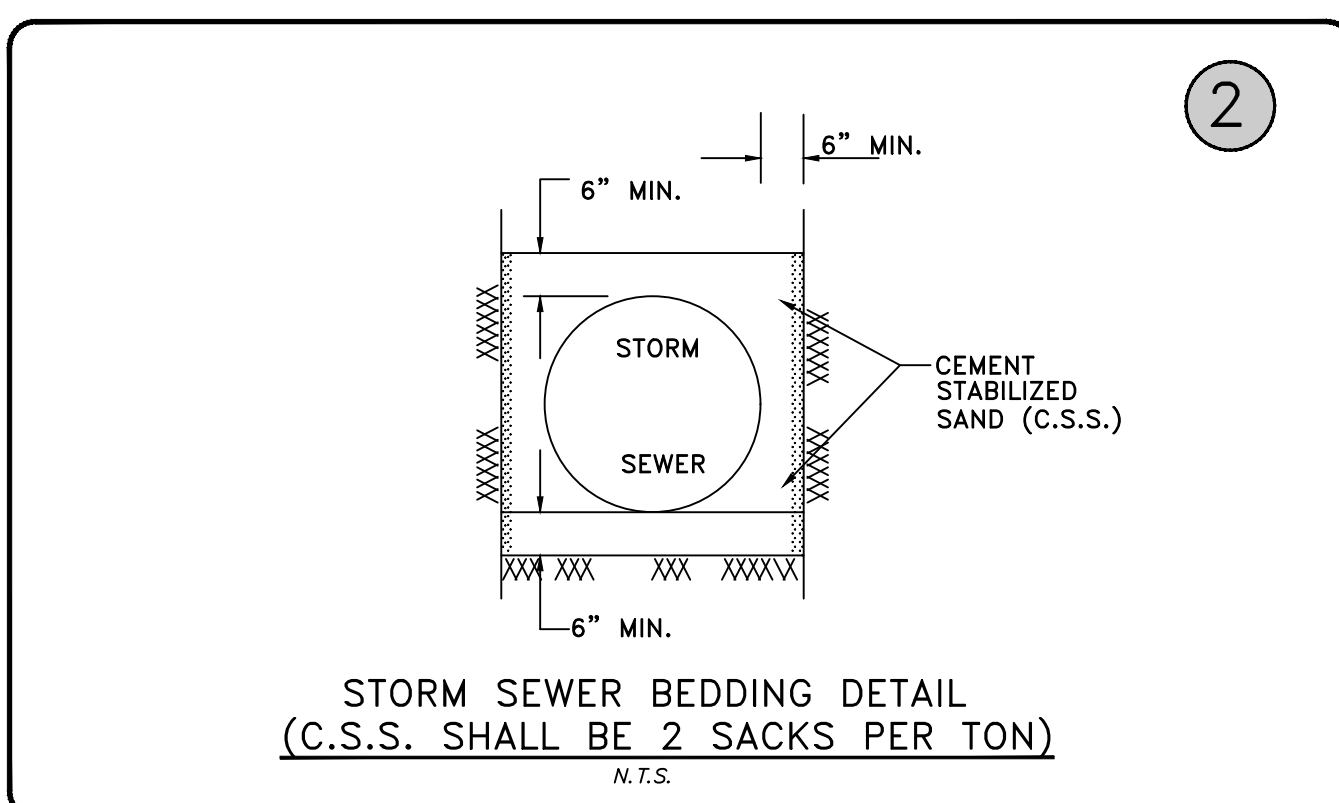
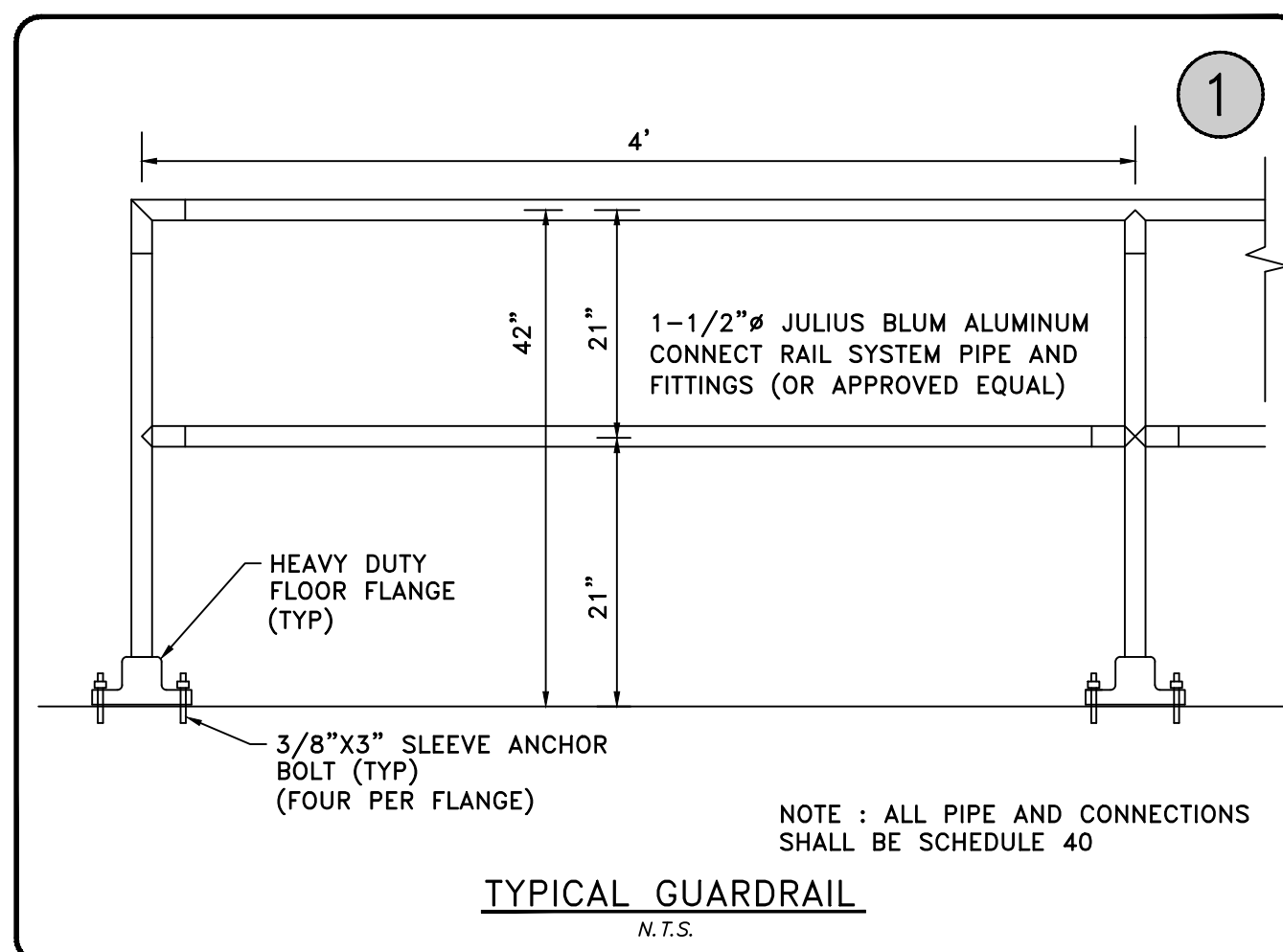
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**UEI** UNITED ENGINEERS, INC. JOB NO. 217-021

DETAIL SHEET NO. 4





CODES AND STANDARDS:

- 1.2006 INTERNATIONAL BUILDING CODE WITH CITY  
OF HOUSTON AMENDMENTS.

2. ASCE 7

DESIGN LOADS:

1. STAIRS 100 PSF AND A CONCENTRATED TREAD LOAD OF 300 POUNDS.

2. HANDRAILS & GUARDRAILS ARE DESIGNED TO RESIST A LOAD OF 50 PLF APPLIED IN ANY DIRECTION AT TOP AND TO TRANSFER THIS LOAD THROUGH THE SUPPORTS TO THE STRUCTURE AND TO RESIST A SINGLE CONCENTRATED LOAD OF 200 LBS APPLIED IN ANY DIRECTION AS SHOWN IN TABLE 1607.1 AND SECTION 1607.7.1 & 1607.7.1.1 OF THE 2006 INTERNATIONAL BUILDING CODE (2006 IBC)



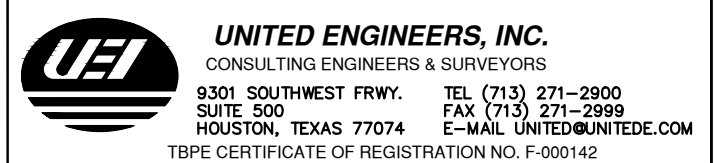
CORPORATE REAL ESTATE  
**Richrose RT #2414**

**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  
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GEOTEC #	AT&T PROJECT MANAGER

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		DRAWING ISSUE DESCRIPTION		

Seal/Signature



Project Name	Richrose RT #2414
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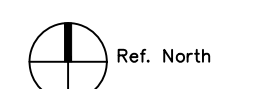
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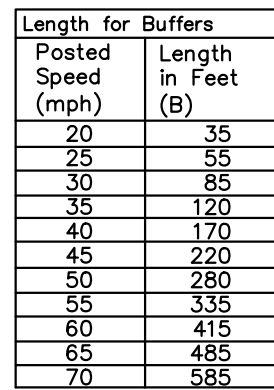
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Description
CONSTRUCTION PLAN

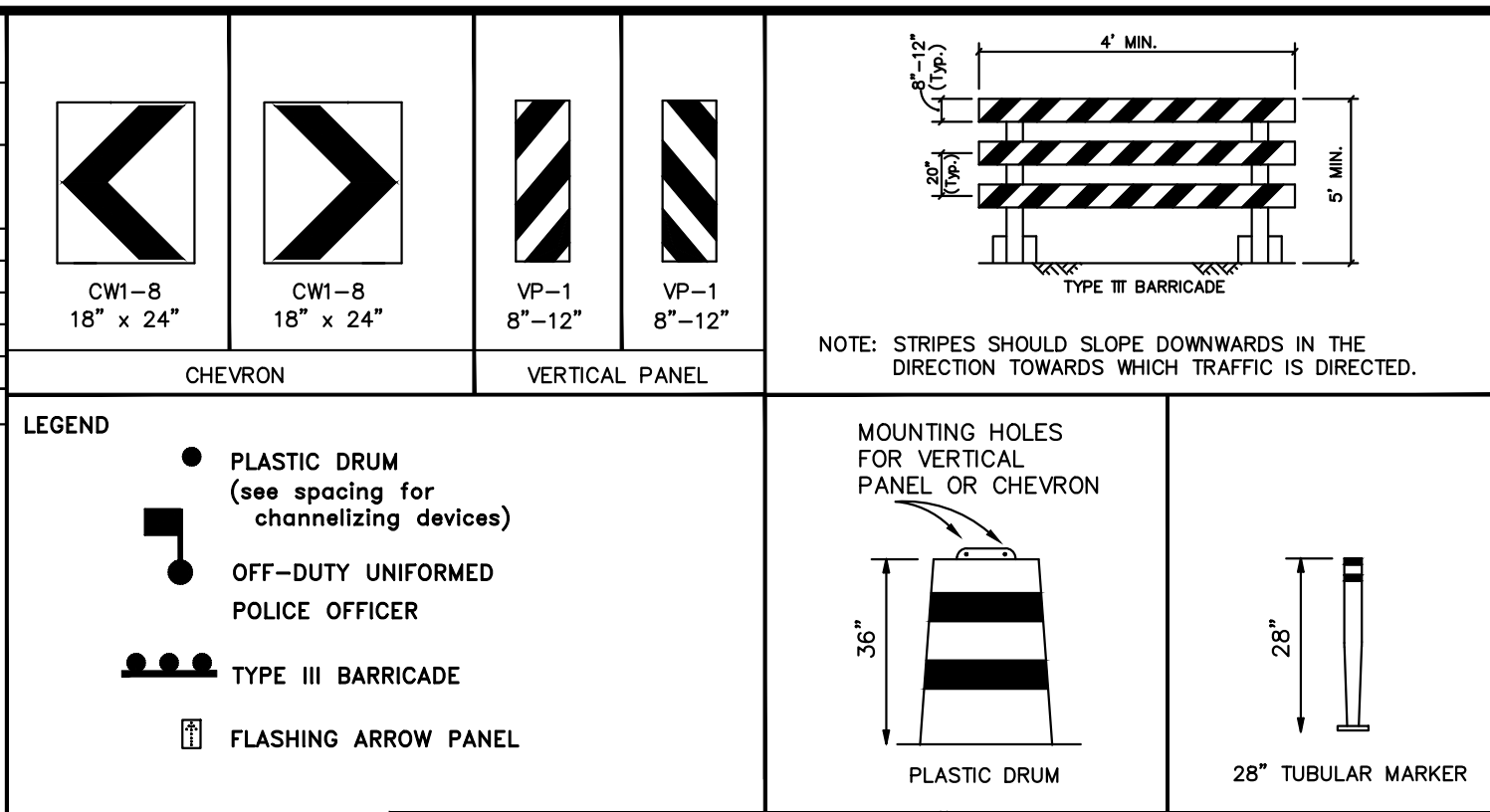
Scale \_\_\_\_\_  
N.T.S.







TYPICAL SIGN SPACING, TAPER LENGTHS, AND SUGGESTED SPACING OF CHANNELIZATION DEVICES						
Posted Speed (mph)	Sign Spacing "X"	Min. Desirable Taper Length "L"			Suggested Maximum Spacing of Device	
		10' Offset	11' Offset	12' Offset	On a Taper	On a Tangent
30	120'	150'	165'	180'	30'	60'
35	160'	205'	225'	245'	35'	70'
40	240'	265'	295'	320'	40'	80'
45	320'	450'	495'	540'	45'	90'
50	400'	500'	550'	600'	50'	100'
55	500'	550'	605'	660'	55'	110'

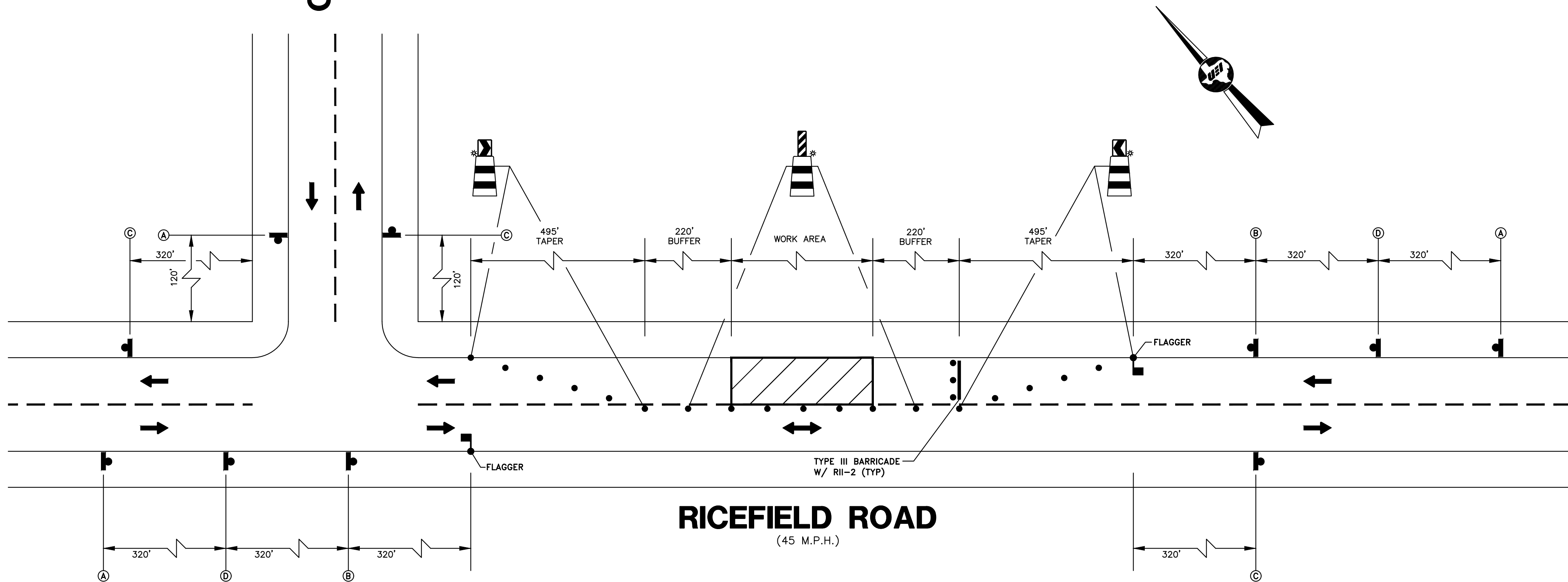


- ### **SPECIAL TRAFFIC REQUIREMENTS**
1. Contractor shall provide and install traffic control devices in conformance with part VI of the Texas Manual on Uniform Traffic Control Devices (Texas MUTCD, most recent edition with revisions) during construction.
  2. Contractor will be responsible for replacing and maintaining pavement markings which include centerline, barrier lines, lane lines and raised pavement markings.
  3. The traffic control plan provides the minimum traffic control conditions in the field. Contractor to maintain access to adjacent properties at all times.
  - 4a. No lanes shall be closed from 7:00 a.m. to 9:00 a.m. and 4:00 p.m. to 6:00 p.m. Monday thru Friday.
  - 4b. No lanes shall be closed between 7:00 a.m. to 6:00 p.m. Monday thru Friday in downtown area. Exception to these times, if necessary, should be sought during lane closure permit application.
  5. Contractor shall cover open pavement excavations with anchored steel plates during non-working hours, and open lanes for normal traffic flow.
  6. On-duty Uniformed Police Officers are required to direct traffic when lanes are blocked.
  7. Lane closure time(s) shall be specified on the lane closure permit.
  8. If the contractor chooses to use a different method of "Traffic Control Plans" during the construction, the contractor shall submit a written request to the City Engineer to prepare and submit an alternate set of plans\* to Plan Review Section for approval ten working days prior to implementation.
  9. These plans shall be drawn to scale on reproducible mylar and sealed by a Licensed Engineer in the State of Texas. Plans will become a part of the contract drawings.
  10. Approved copies of Traffic Control Plans and lane closure permits shall be available for inspection at job site at all times. Contractor must secure "Lane Closure Permits" from City's Traffic Management Department. Branch Engineer's signature/stamp will be required. Request must be made at least three business days prior to the date for which the request is sought. Note that working hours may be restricted or the request may be denied. Call 713-837-2800 for an application.
  11. Lanes shall be kept closed during pavement surface restoration and opened only after pavement is restored completely.

### SPACING FOR CHANNELIZING DEVICES

1. Plastic drums on merging taper @ 30' c-c with chevron sign @ 60' c-c and type 'C' warning light (for overnight closure)
  2. Plastic drums on roadwiden taper @ 35' c-c
  3. Plastic drums on drill @ 5' c-c
  4. Plastic drums on tangent @ 35' c-c with vertical panel @ 70' c-c and type 'C' warning light @ 70' c-c (for overnight closure)
  5. Plastic drums in front of construction zone @ 20' c-c with vertical panel @ 40' c-c and Type 'A' warning light @ 40' c-c (for overnight closure)
  6. Concrete traffic barrier (CTB) or low profile concrete traffic barrier (lpcb) with reflectors @ 10' c-c if pavement drop is more than twelve inches (12")
  7. Tubular marker @ 20' C-C
- Note: Spacing shown on traffic control plans shall supersede the above spacings.

**CANDLE OAKS  
LANE**  
(30 M.P.H.)



ONE LANE – TWO WAY/FLAGGING OPERATION  
(DAY TIME WORKING HOURS ONLY)

# TRAFFIC CONTROL PLAN

APPROVED: \_\_\_\_\_  
Development Coordinator

DATE: \_\_\_\_\_



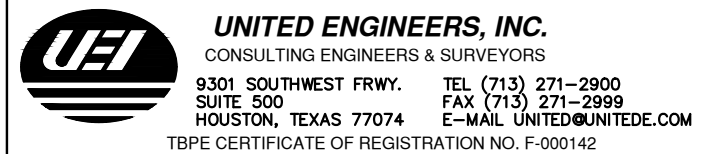
711 Louisiana Street  
Suite 300  
Houston TX 77002  
Telephone 713.228.8050  
Facsimile 713.229.9343

# 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

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HOUSTON, TEXAS 77002  
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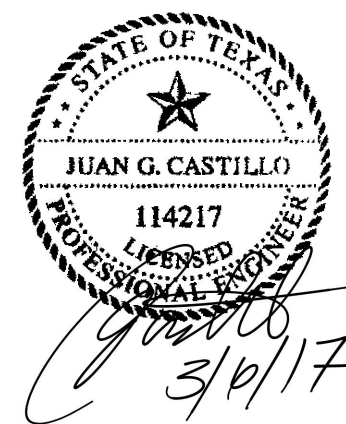
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Issue	Date & Issue Description	By	Check
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Seal/Signature



Project Name  
Richrose RT #2414

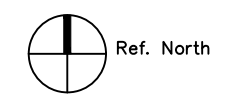
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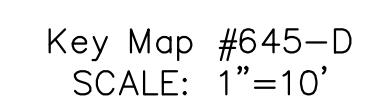
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AS SHOWN



**SHEET 9 OF 10**

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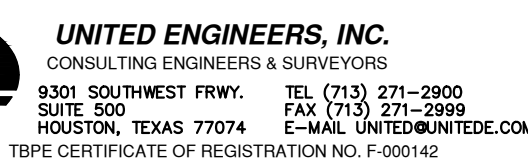


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GEOTEC #	AT&T PROJECT MANAGER

[illegible]

Seal/Signature



Project Name	Richrose RT #2414
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Project Number

CAD File Name

ALLIANCE NUMBER

1	Description	CONSTRUCTION PLAN
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Scale  
AS SHOWN



**SHEET10OF 10**

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# FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 152

## PLANS

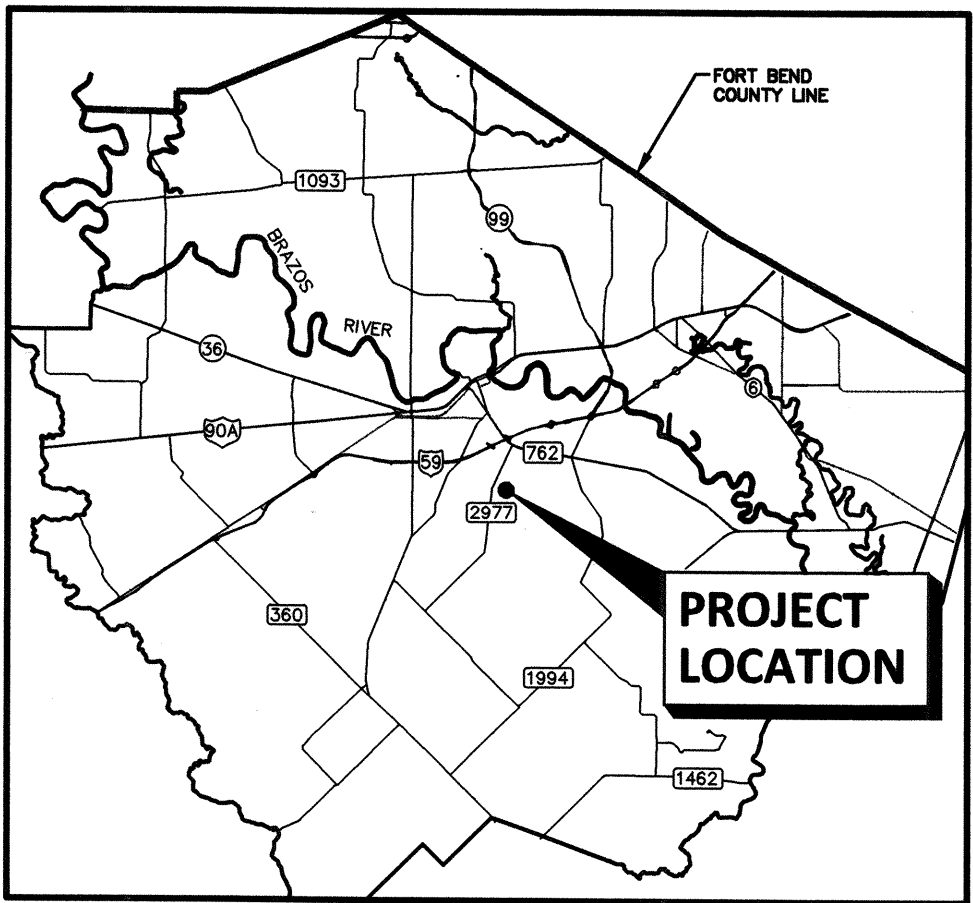
### FOR CONSTRUCTION OF

# WASTEWATER TREATMENT PLANT PHASE 4 EXPANSION

FORT BEND COUNTY, TEXAS

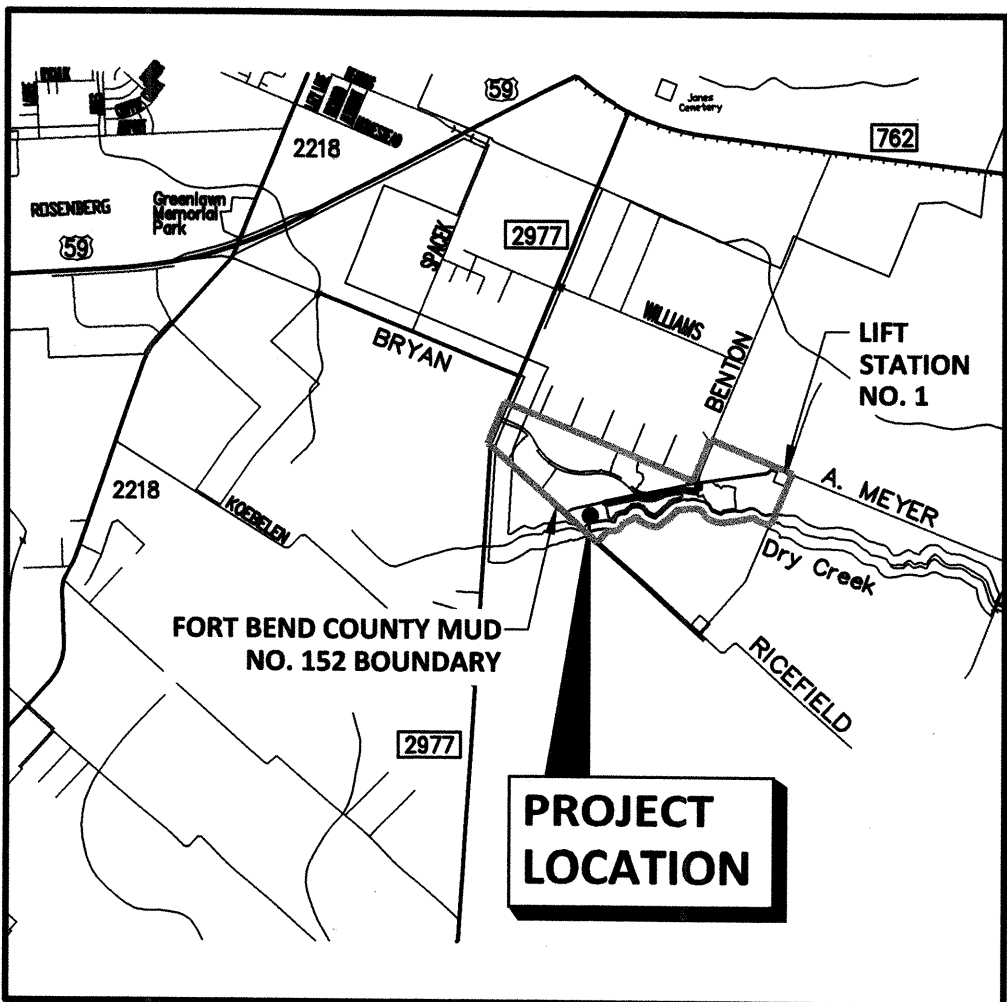
DESIGN JOB NO. 1278-009-04

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

FORT BEND COUNTY ENGINEER

ENGINEER: *Paul J. Stangle, P.E., P.O.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: *Magi D.*  
DEVELOPMENT COORDINATOR

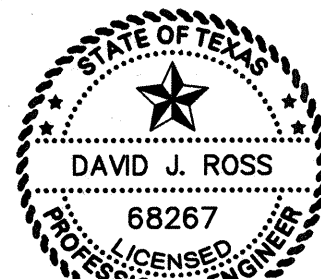
DATE: 5/30/17

#### CONTACTS:

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

**IDS**  
Engineering Group

13430 NW. Freeway  
Suite 700  
Houston, Tx. 77040  
713.462.3178  
TBP E-002726  
TBP L5 10110700



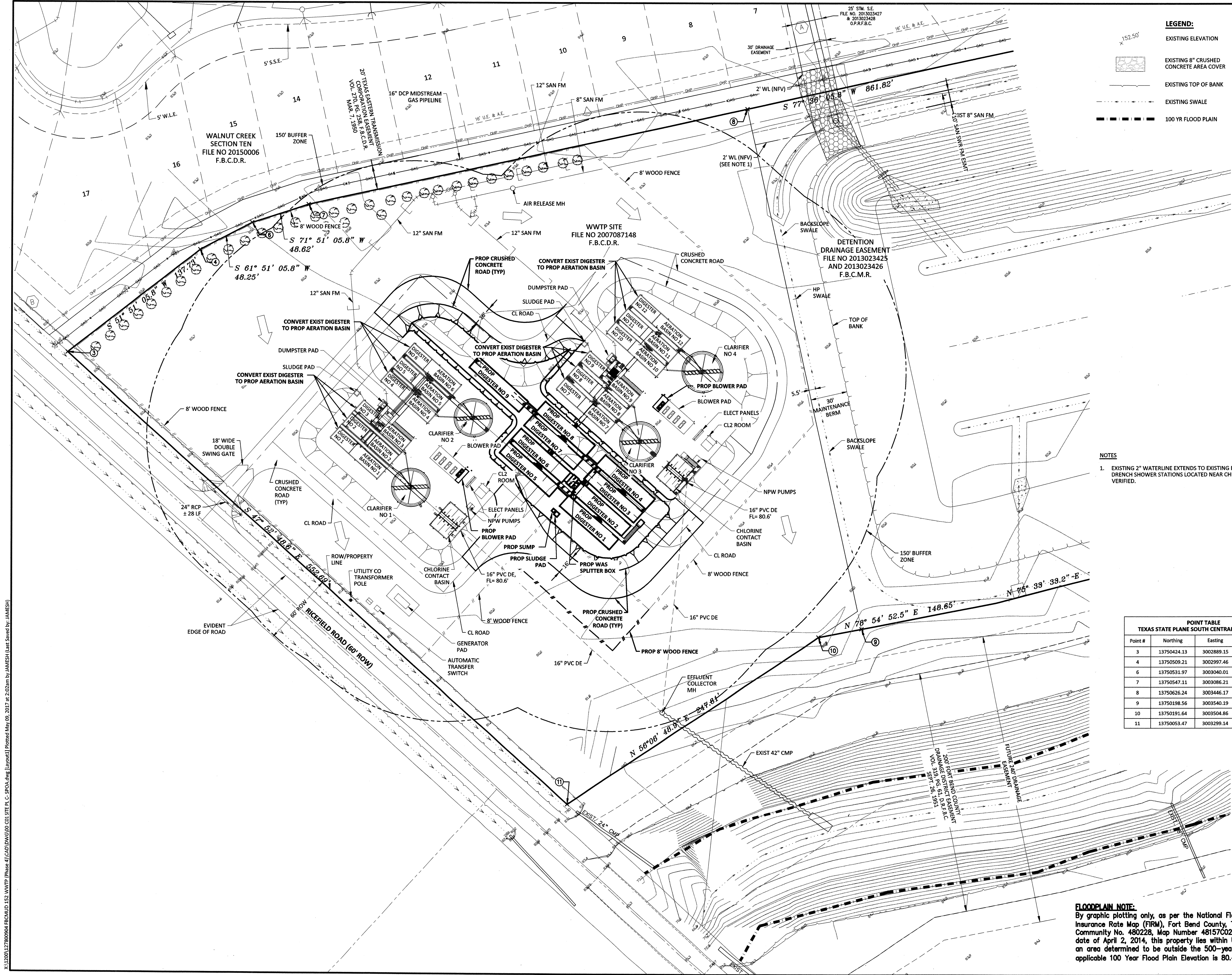
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FB NO.

CITY OF ROSENBERG  
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

*John Mares* 5/28/2017  
JOHN MARESH, CITY MANAGER  
*Charles A. Kalkomey* 5/22/17  
CHARLES A. KALKOMEY, P.E., CITY ENGINEER

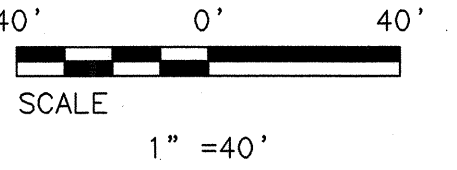
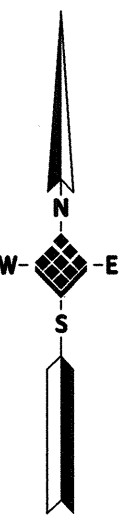
SHEET NO 1 OF 22 SHEETS

MAY 2017



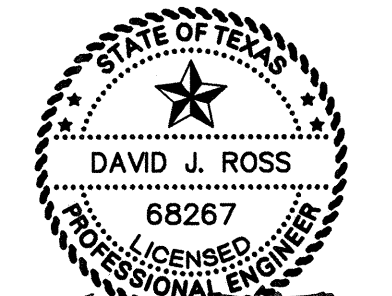
LEGEND:

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



FORT BEND COUNTY ENGINEERING DEPARTMENT

APPROVED: *[Signature]*  
DEVELOPMENT COORDINATOR  
DATE: 5/30/17



*David J. Ross 5/9/2017*  
**IDS Engineering Group**  
13430 NW Freeway, Suite 700  
Houston, TX 77040  
713.462.3178  
TBP# F-002726  
TBP# 10110700

APPROVED: DJR DATE: MAY 2017  
DESIGNED BY: DJR DRAWN BY: WJH JOB NO.: 1278-009-04  
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 SMITHS LAKE ROAD 49.5 FT. SOUTHWEST OF THE CENTERLINE OF FARM ROAD 782, 42.0 FT. 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 (2001 ADJ.) 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.)  
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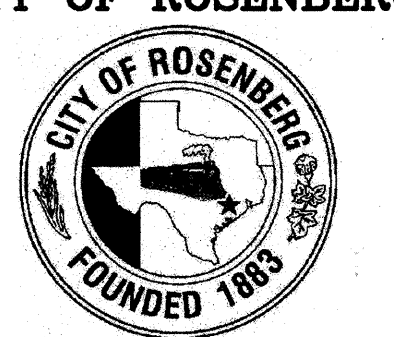
Date: \_\_\_\_\_  
Approved for AT&T Texas/SWBT underground conduit facilities only.  
Signature valid for one year

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

WASTEWATER TREATMENT PLANT  
PHASE 4 EXPANSION

CIVIL  
OVERALL SITE PLAN

CITY OF ROSENBERG



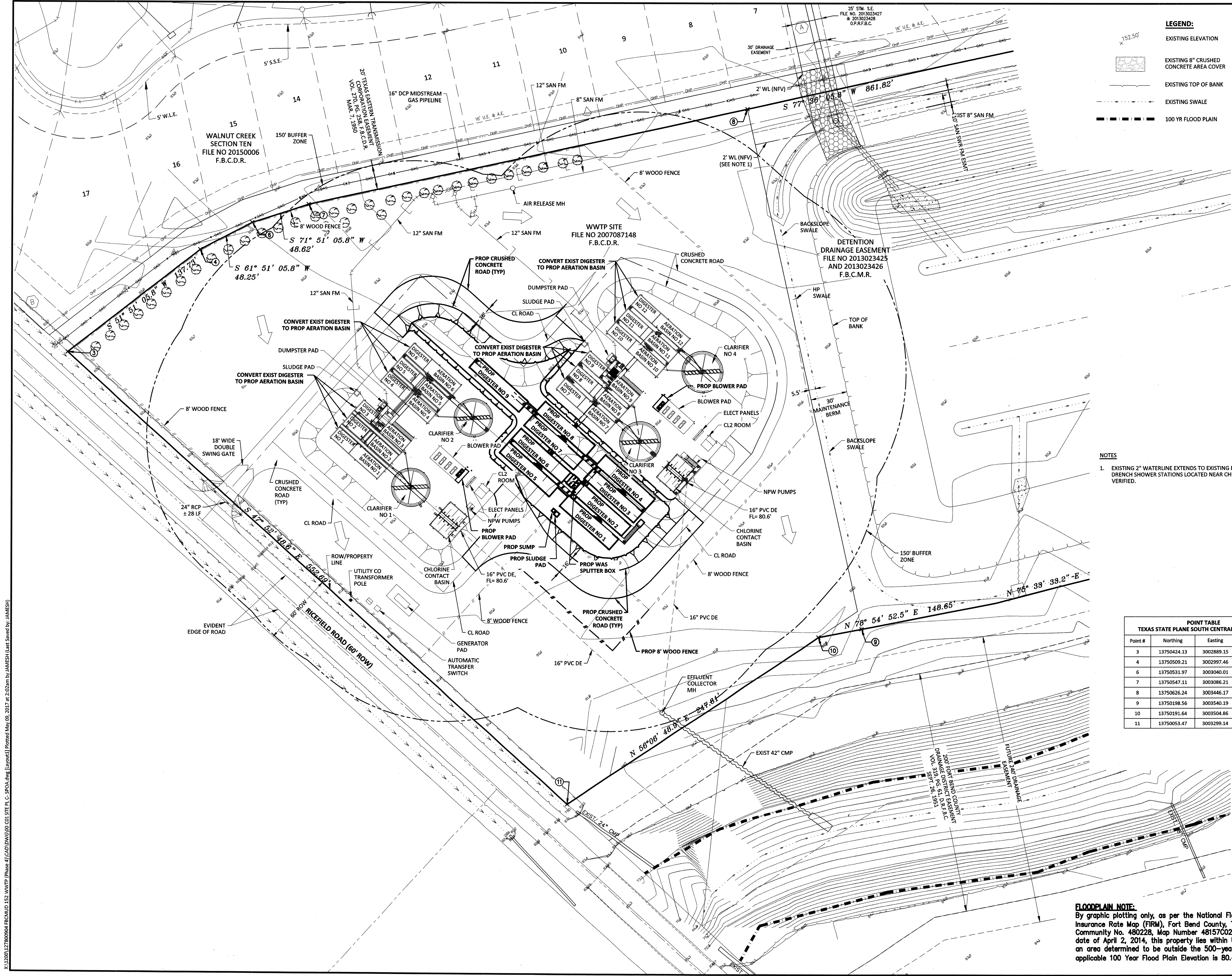
HORIZ: 1" = 40'  
VERT: NTS  
SHEET

5 OF 22 SHEETS

**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).

X:\13200\12780094\FEC\MUD 152\WWTTP (Phase 4)\CADD\DWG\00 SITE P.C. SPOA.dwg (Last Saved By: JAMESH) at 2:02pm on May 29, 2017





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
9	13750198.56	3003540.19	PI BOUNDARY
10	13750191.64	3003504.86	PI BOUNDARY
11	13750053.47	3003299.14	PI BOUNDARY

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

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**LEGEND:**

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

**SCALE**

1" = 40'

**FORT BEND COUNTY ENGINEERING DEPARTMENT**

APPROVED: *David J. Ross*  
DEVELOPMENT COORDINATOR

DATE: 5/30/17

**DAVID J. ROSS**  
68267  
LICENSED PROFESSIONAL ENGINEER

*David J. Ross 5/9/2017*

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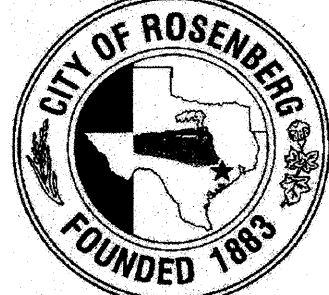
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**CITY OF ROSENBERG**  
  
FOUNDED 1893

HORIZ: 1" = 40'  
VERT: NTS

SHEET  
5 OF 22 SHEETS

IDS Drawing No. \_\_\_\_\_



**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