

**REVIEW BY FORT BEND COUNTY
COMMISSIONERS COURT**

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

☐ Right of Way Permit
☒ Commercial Driveway Permit

Permit No: 2017-11454

Applicant: Camden Builders, Inc./MGroup + Architects Inc.

Job Location Site: 6427 Sienna Ranch Road, BS-1, Missouri City, TX 77459

Bond No. 100000000 **Date of Bond:** 6/15/2017 **Amount:** \$10,000.00

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 27th day of June, 2017, Upon Motion of Commissioner Morales, seconded by Commissioner Prestigut, 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: Charles O. Ay
for County Engineer

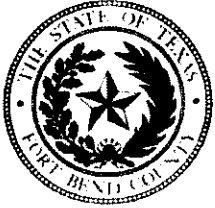
Date Recorded 7-5-2017 Comm. Court No. 14Q

N/A

Clerk of Commissioners Court

By: _____
Drainage District Engineer/Manager

By: Ronda Willes
Deputy



**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@fortbendcountytexas.gov

- ☐ Right of Way Permit
☒ Commercial Driveway Permit

Permit No: 2017-11454

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: \$10,000.00
- ☐ 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

6/19/17

Date

**PERFORMANCE BOND COVERING ALL CABLE, CONDUIT AND/OR POLE LINE
ACTIVITY IN, UNDER, ACROSS OR ALONG FORT BEND COUNTY ROAD**AUTHORIZED
BOND NO. [REDACTED]

THE STATE OF TEXAS §

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF FORT BEND §

THAT WE, **CAMDEN BUILDERS, INC.** (the "Prime Contractor") whose address is **11 GREENWAY PLAZA, SUITE 2400, HOUSTON, TEXAS 77046**, hereinafter called the Principal, And **Travelers Casualty and Surety Company of America**, a Corporation existing under and by virtue of the laws of the state of CT and authorized to do an indemnifying business in the state of Texas, and whose principal office is located at One Tower Square Bond/SPB, Hartford, CT 06183, whose officer residing in the State of Texas, authorized to accept service in all suits and actions brought whining said state is Aon Risk Services Southwest, Inc. and Whose address is 5555 San Felipe, Suite 1500, Houston, TX 77056, 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 **TEN THOUSAND DOLLARS (\$10,000.00)** 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 15th day of June, 2017.

Camden Builders, Inc.

PRINCIPAL

[Signature]

BY

Travelers Casualty and Surety Company of America

SURETY

[Signature]
BY Vanessa Dominguez, Attorney-in-Fact



POWER OF ATTORNEY

Farmington Casualty Company
 Fidelity and Guaranty Insurance Company
 Fidelity and Guaranty Insurance Underwriters, Inc.
 St. Paul Fire and Marine Insurance Company
 St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
 Travelers Casualty and Surety Company
 Travelers Casualty and Surety Company of America
 United States Fidelity and Guaranty Company

Attorney-In Fact No. 231208

Certificate No. 006989008

KNOW ALL MEN BY THESE PRESENTS: That Farmington Casualty Company, St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company are corporations duly organized under the laws of the State of Connecticut, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc., is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint

Michael J. Herrod, Wendy W. Stuckey, Lisa A. Ward, Donna L. Williams, Anoop Chawla Adlakha, Lupe Tyler, Nancy Thomas, Vanessa Dominguez, and Melissa L. Fortier

of the City of Houston, State of Texas, their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 26th day of September, 2016.

Farmington Casualty Company
 Fidelity and Guaranty Insurance Company
 Fidelity and Guaranty Insurance Underwriters, Inc.
 St. Paul Fire and Marine Insurance Company
 St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
 Travelers Casualty and Surety Company
 Travelers Casualty and Surety Company of America
 United States Fidelity and Guaranty Company



State of Connecticut
 City of Hartford ss.

By: Robert L. Raney
 Robert L. Raney, Senior Vice President

On this the 26th day of September, 2016, before me personally appeared Robert L. Raney, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal.
 My Commission expires the 30th day of June, 2021.



Marie C. Tetreault
 Marie C. Tetreault, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, Kevin E. Hughes, the undersigned, Assistant Secretary, of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 15th day of June, 2017


Kevin E. Hughes, Assistant Secretary



To verify the authenticity of this Power of Attorney, call 1-800-421-3880 or contact us at www.travelersbond.com. Please refer to the Attorney-In-Fact number, the above-named individuals and the details of the bond to which the power is attached.

IMPORTANT NOTICE

To obtain information or make a complaint:

You may call Travelers Casualty and Surety Company of America and its affiliates' toll-free telephone number for information or to make a complaint at:

1-800-328-2189

You may contact the Texas Department of Insurance to obtain information on companies, coverages, rights or complaints at:

1-800-252-3439

You may write the Texas Department of Insurance:

P. O. Box 149104
Austin, TX 78714-9104
Fax: (512) 475-1771
Web: <http://www.tdi.state.tx.us>
E-mail: ConsumerProtection@tdi.state.tx.us

PREMIUM OR CLAIM DISPUTES:

Should you have a dispute concerning your premium or about a claim you should contact your Agent or Travelers first. If the dispute is not resolved, you may contact the Texas Department of Insurance.

ATTACH THIS NOTICE TO YOUR BOND:

This notice is for information only and does not become a part or condition of the attached document and is given to comply with Texas legal and regulatory requirements.

FILED AND RECORDED
OFFICIAL PUBLIC RECORDS

Laura Richard



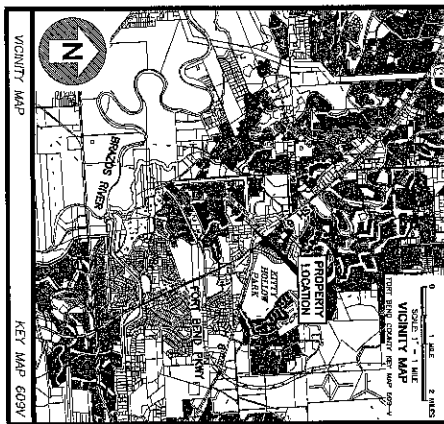
Laura Richard, County Clerk
Fort Bend County, Texas

July 05, 2017 02:12:35 PM

FEE: \$0.00 EW
BOND

2017074603

CONSTRUCTION PLANS FOR HUNTINGTON AT SIENNA RANCH FORT BEND COUNTY, TEXAS



CONSTRUCTION PLANS - SHEET INDEX

SHEET NO.	DESCRIPTION
00.01	COVER SHEET
01.01	EXISTING CONDITIONS
01.02	PAVING PLAN
01.03	GRADING PLAN
01.04	PIPE LANE PLAN
02.01	DETAILED PLAN
02.02	DETAILED CALCULATIONS
02.03	EXTENSIVE EVENT ANALYSIS
02.04	UTILITIES PLAN
03.01	EROSION CONTROL PLAN
03.02	EROSION CONTROL DETAILS
03.03	CONSTRUCTION NOTES
03.04	CONSTRUCTION DETAILS

ENGINEER
KELLY R. KALUZA & ASSOCIATES, INC.
CONSULTING ENGINEERS AND SURVEYORS
ENGINEERING FIRM NO. F-1339
SURVEYING FIRM NO. 10010000
5014 AVENUE J 77471
ROSEBARK, TEXAS
(281) 341-0808
NOVEMBER 2008



FORT BEND COUNTY ENGINEER

ENGINEER: Kelly R. Kaluza, P.E.

DATE: 11/19/16

THIS SIGNATURE AND SEAL OF THE ENGINEER ARE NOT VALID UNLESS THE ENGINEER IS CURRENTLY LICENSED AND NOT EXPIRED.

APPROVED: [Signature]

DATE: 11/18/16

SIENNA RANCH ROAD
 (100' R.O.W.)
 (PLAT NO. 20070270; F.B.C.P.R.)

SIENNA VILLAGE OF ANDERSON SPRINGS
 SECTION TWENTY TWO
 (PLAT NO. 20000099; F.B.C.P.R.)

WATERMARK AT SIENNA PLANTATION
 (PLAT NO. 20100063; F.B.C.P.R.)

ELIJA ROARK SURVEY
 ABSTRACT NO. 77

8,486.3 ACRES
 (369,664 SQ. FT.)
 SIENNA VILLAGE OF ANDERSON SPRINGS, L.P.
 (B.C.P. NO. 25000099)

FLAT BANK CREEK



FOR PLAT. REFER TO
 HUNTINGTON AT SIENNA RANCH

APPROVED: *[Signature]*
 DATE: 12/8/11
 DEPARTMENT/COORDINATOR

EXISTING
 CONDITIONS

DATE: August 14, 2008

C0.01

The Huntington
 At Sienna Ranch
 Senior Independent Living
 Missouri City, Texas

Kelly R. Kaluza
 & Associates, Inc.
 CONSULTING ENGINEERS & SURVEYORS
 ENGINEERING FIRM No. P-1339
 SURVEYING FIRM No. 100-00000
 9014 AVENUE I
 ROSENBERG, TEXAS 77471
 PH: 281.341.0500 FAX: 281.341.0333

PROJECT NUMBER

ATTENTION

SIENNA RANCH ROAD
 (100' R.O.W.)
 (PLAT NO. 20070270; F.D.C.F.R.)

- KEY NOTES (THIS SHEET ONLY)**
1. PROVIDE PAVEMENT UNDERCUT AT EXISTING PAVING
 2. CONTRACTOR TO REMOVE & REGRADE CURB AND
 3. PAVEMENT AS REQUIRED TO INSTALL IMPROVEMENTS
 4. COORDINATE LAYOUT IN THIS AREA WITH ARCHITECT
 5. PLAN SHOWN IS FOR REFERENCE ONLY.
 6. CURB TAPER
 7. MATCH EXISTING PAVEMENT THICKNESS, GRADE, &
 8. SLOPE AND DRAINAGE TO EXISTING PAVEMENT
 9. MISSOURI CITY GUIDELINES FOR STREET PAVING.

LEGEND

---	CONSTRUCTION JOINT
---	CONCRETE JOINT
---	EXPANSION JOINT
---	CONTOUR
---	8" PAVEMENT FOR DRIVEWAY
---	7" CONCRETE PAVEMENT
---	6" CONCRETE PAVEMENT
---	5" CONCRETE PAVEMENT
---	4.5" CONCRETE SIDEWALK

NOTES

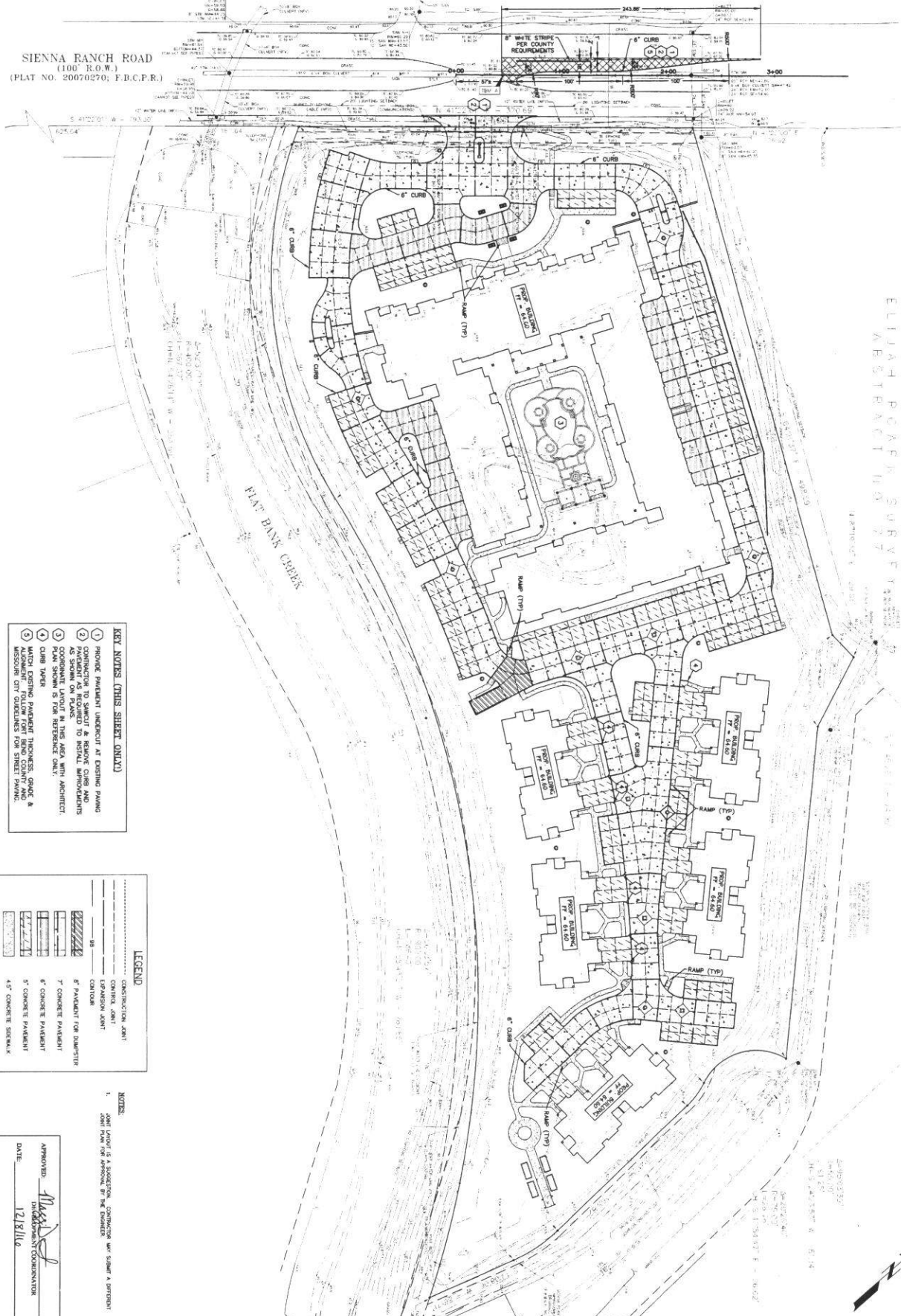
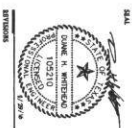
1. JOINT LAYOUT IS A SUGGESTION. CONTRACTOR MAY CHANGE A JOINT
2. JOINT PLAN FOR APPROVAL BY THE ENGINEER

APPROVED: *[Signature]*
 PROJECT MANAGER
 DATE: 12/18/16

PROJECT TITLE
 PAVING PLAN
DATE
 August 16, 2016
PROJECT NUMBER
 C1.01

The Huntington
 At Sienna Ranch
 Senior Independent Living
 Missouri City, Texas

Kelly R. Kaluza
 & Associates, Inc.
 CONSULTING ENGINEERS & SURVEYORS
 ENGINEERING FIRM No. F-1538
 SURVEYING FIRM No. 10010000
 3014 AVENUE
 ROSENBERG, TEXAS 77471
 PH:281.341.0806 FAX:281.341.8333



SIENNA RANCH ROAD
 (100' R.O.W.)
 (PLAT NO. 20070270, F.B.C.P.R.)

SIENNA VILLAGE OF ANDERSON SPRINGS
 SECTION TWENTY TWO
 (PLAT NO. 20070270, F.B.C.P.R.)

WATERMARK AT SIENNA PLANTATION
 (PLAT NO. 20100005, F.B.C.P.R.)

SIENNA RANCH
 AFFIDAVIT

FEAT BANK CREEK

1. FIRE LANE AND PARKING TOW-LANE FRONT TO BE PLACED TO THE INTERIOR LIGHTS OF PROJECTED FIRE LANE.
2. FIRE LANE AND PARKING SHALL BE 7' WIDE FROM THE VERTICAL ALIGNMENT OF CURVE UP TO THE BACK OF CURVE.
3. FIRE LANE AND PARKING SHALL BE 7' WIDE FROM THE VERTICAL ALIGNMENT OF CURVE UP TO THE BACK OF CURVE.
4. WHEN LATERAL ADDITIONS TO THE EXISTING FIRE LANE ARE NOT ALLOWED WITHOUT PRIOR APPROVAL OF THE FIRE DEPARTMENT.

TYPICAL FIRE LANE STRIPING

LEGEND

— FIRE LANE STRIPING
 — FIRE HOSE EACH

- FIRE LANE STRIPING NOTES:**
1. FIRE LANE AND PARKING TOW-LANE FRONT TO BE PLACED TO THE INTERIOR LIGHTS OF PROJECTED FIRE LANE.
 2. FIRE LANE AND PARKING SHALL BE 7' WIDE FROM THE VERTICAL ALIGNMENT OF CURVE UP TO THE BACK OF CURVE.
 3. FIRE LANE AND PARKING SHALL BE 7' WIDE FROM THE VERTICAL ALIGNMENT OF CURVE UP TO THE BACK OF CURVE.
 4. WHEN LATERAL ADDITIONS TO THE EXISTING FIRE LANE ARE NOT ALLOWED WITHOUT PRIOR APPROVAL OF THE FIRE DEPARTMENT.

APPROVED: *[Signature]*
 DATE: 12/10/10
 PROJECT COORDINATOR

DATE: 12/10/10
 PROJECT COORDINATOR

The Huntington
 At Sienna Ranch
 Senior Independent Living
 Missouri City, Texas

Kelly R. Kaluza
 & Associates, Inc.
 CONSULTING ENGINEERS & SURVEYORS
 ENGINEERING FIRM No. P-1338
 SURVEYING FIRM No. 10010005
 3014 AVENUE I
 ROSENBERG, TEXAS 77471
 PH 281.341.0808 FAX 281.341.6333



SIENNA RANCH ROAD
 (100' R.O.W.)
 (PLAT NO. 20070270: F.B.C.P.R.)

ELIJAH ROAD
 (100' R.O.W.)
 (PLAT NO. 20070270: F.B.C.P.R.)

FLAT BANK CREEK

KEY NOTES (THIS SHEET ONLY)
 ① CONTINUED AREA BY OTHERS. REFER TO ARCHITECTURAL AND LANDSCAPING PLANS.

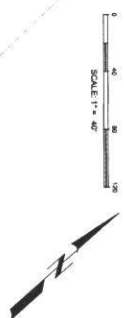
<p>LEGEND</p> <p>— PAVEMENT ELEVATION</p> <p>— SIDEWALK ELEVATION</p> <p>— TIP OF CURB ELEVATION</p> <p>— FINISHED ELEVATION</p> <p>— FLOORING ELEVATION</p> <p>— TO</p> <p>— FROM</p> <p>— DOWN SLOPE</p> <p>— FLOWING</p> <p>— ROOF DRAIN COLLECTION</p> <p>— STORM SEWER</p> <p>— SANITARY SEWER</p> <p>— SANITARY FORCE MAIN</p> <p>— DOMESTIC WATER LINE</p> <p>— FIRE WATER LINE</p> <p>— DRAINAGE SHALE</p> <p>— DRAINAGE AREA BOUNDARY</p> <p>— DIRECTIONAL FLOW OF RUNOFF</p> <p>— TYPE A INLET</p> <p>— TYPE B-2 COMB INLET</p> <p>— TYPE C INLET</p> <p>— VOID INLET</p> <p>— MANHOLE</p> <p>— DRAINAGE AREA DESIGNATION AREA (LAKES)</p>	<p>— PAVEMENT ELEVATION</p> <p>— SIDEWALK ELEVATION</p> <p>— TIP OF CURB ELEVATION</p> <p>— FINISHED ELEVATION</p> <p>— FLOORING ELEVATION</p> <p>— TO</p> <p>— FROM</p> <p>— DOWN SLOPE</p> <p>— FLOWING</p> <p>— ROOF DRAIN COLLECTION</p> <p>— STORM SEWER</p> <p>— SANITARY SEWER</p> <p>— SANITARY FORCE MAIN</p> <p>— DOMESTIC WATER LINE</p> <p>— FIRE WATER LINE</p> <p>— DRAINAGE SHALE</p> <p>— DRAINAGE AREA BOUNDARY</p> <p>— DIRECTIONAL FLOW OF RUNOFF</p> <p>— TYPE A INLET</p> <p>— TYPE B-2 COMB INLET</p> <p>— TYPE C INLET</p> <p>— VOID INLET</p> <p>— MANHOLE</p> <p>— DRAINAGE AREA DESIGNATION AREA (LAKES)</p>
--	--

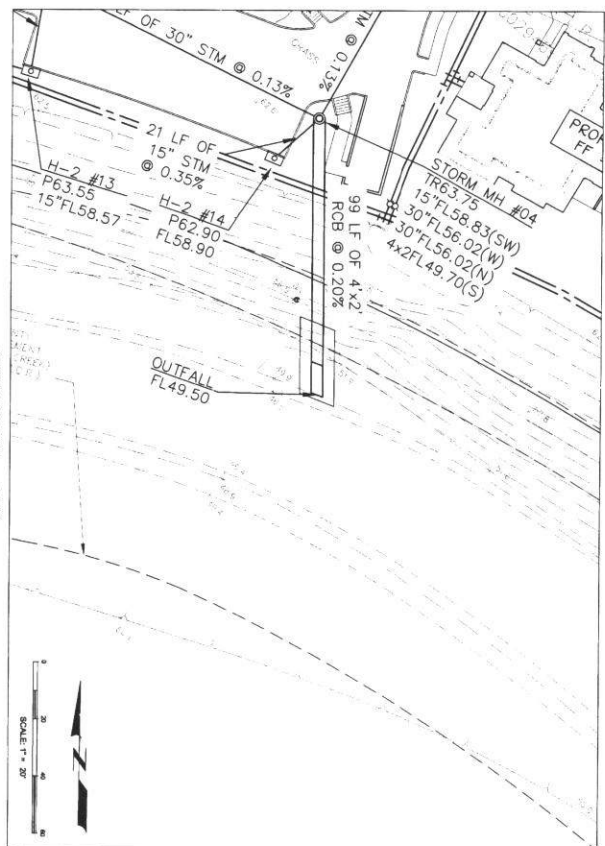
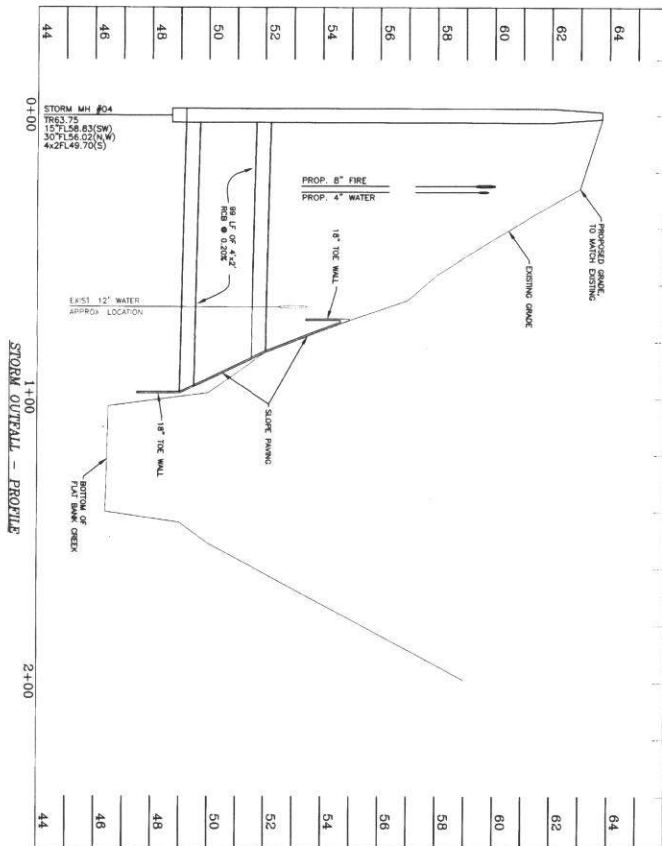
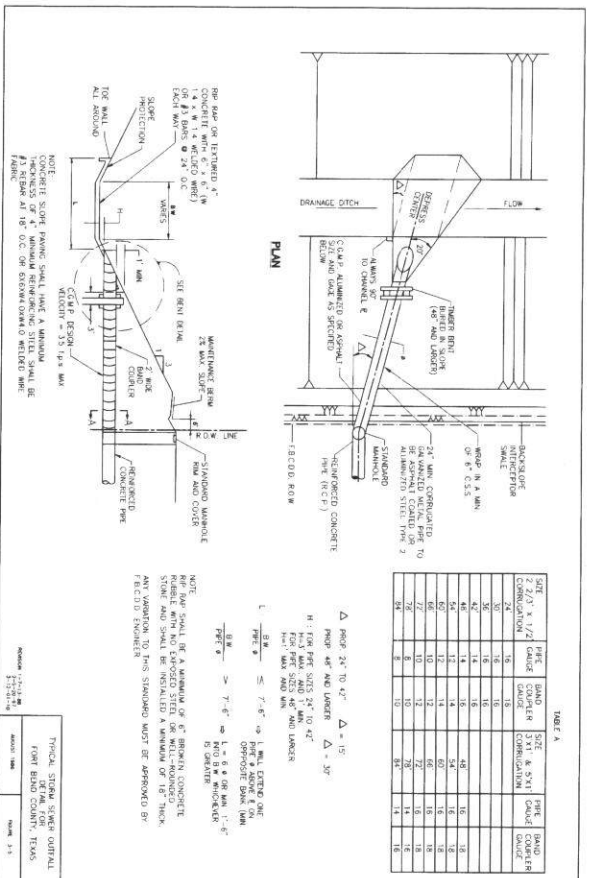
APPROVED: *[Signature]*
 DATE: 12/8/11

DATE: August 18, 2008
 SHEET: 2.01
 DRAINAGE PLAN

The Huntington
 At Sienna Ranch
 Senior Independent Living
 Missouri City, Texas

Kelly R. Kaluza
 & Associates, Inc.
 CONSULTING ENGINEERS & SURVEYORS
 ENGINEERING FIRM No. F-1538
 SURVEYING FIRM No. 10015000
 5014 AVENUE
 ROSENBERG, TEXAS 77471
 PH 281.341.0808 FAX 281.341.6333



[illegible]

APPROVED: Miss Del
DEVELOPMENT COORDINATOR

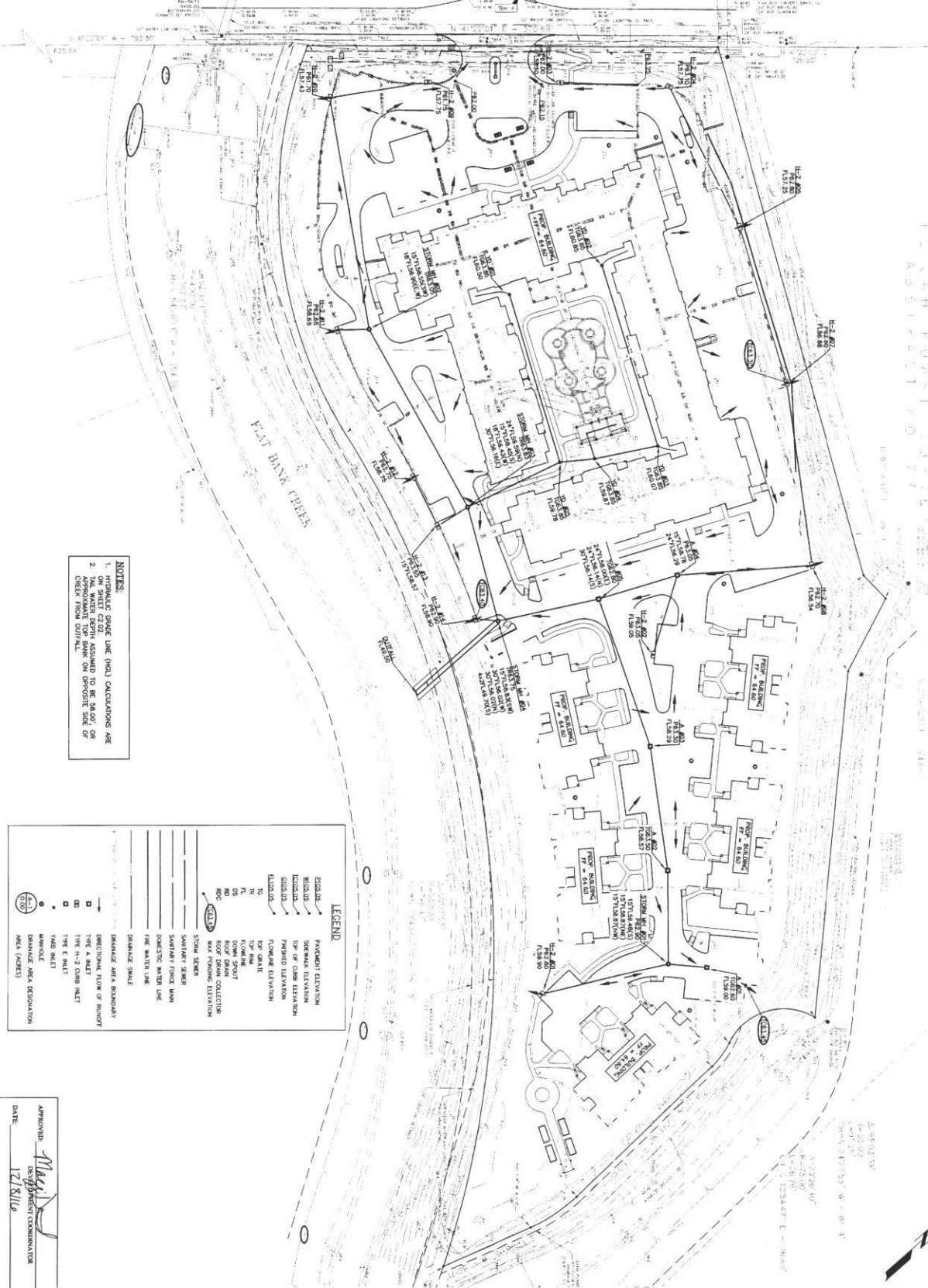
DATE: 12/8/11

August 18, 2016
NO. 0012
C2.02

The Huntington
At Sienna Ranch
Senior Independent Living
Missouri City, Texas

**Kelly R. Kaluza
& Associates, Inc.**
CONSULTING ENGINEERS & SURVEYORS
ENGINEERING FIRM No. F-1359
SURVEYING FIRM No. 10010000
3014 AVENUE I
ROSENBERG, TEXAS 77471
PH 281/341-0861 F.V. 281/341-6923

SIENNA RANCH ROAD
 (100' R.O.W.)
 (PLAT NO. 200703270; F.B.C.P.R.)



NOTES

1. INTERPRET GRADE LINE (H.O.) CALCULATIONS ARE ON SHEET C2.03.
2. APPROXIMATE ELEVATION TO BE USED FOR CREEK FROM DITCH.

LEGEND

	PROPOSED ELEVATION
	WETLANDS
	TOP OF CREEK ELEVATION
	FISHED ELEVATION
	FLOOD ELEVATION
	TOP OF DRAIN
	TOP OF ROAD
	DOWN SPOUT
	ROOF DRAIN COLLECTION
	MAX PROPOSED ELEVATION
	STORM SEWER
	SANITARY SEWER
	SANITARY FORCE MAIN
	DOMESTIC WATER LINE
	FIRE WATER LINE
	DRAINAGE SHALE
	DRAINAGE AREA BOUNDARY
	DIRECTIONAL FLOW OF RUNOFF
	TYPE A INLET
	TYPE H-2 CATCH INLET
	TYPE E INLET
	VARD INLET
	MANHOLE
	DRAINAGE AREA DESIGNATION
	AREA (ACRES)

APPROVED: *[Signature]*
 DATE: 12/8/11
 DRAINAGE COORDINATION

PROJECT TITLE
 EXTREME EVENT ANALYSIS
DATE
 12/8/11
SHEET NUMBER
 C2.03

The Huntington
 At Sienna Ranch
 Senior Independent Living
 Missouri City, Texas

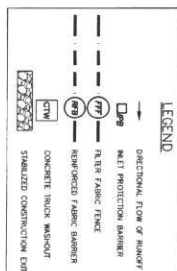
Kelly R. Kaluza & Associates, Inc.
 CONSULTING ENGINEERS & SURVEYORS
 ENGINEERING FIRM NO. 7-1339
 SURVEYING FIRM NO. 10010000
 5014 W. STATE ST.
 ROSENBERG, TEXAS 77471
 PH.281.341.6908 FAX.281.341.6335



SIENNA RANCH ROAD
 (100' R.O.W.)
 (PLAT NO. 20070270; F.B.C.P.R.)

SIENNA VILLAGE OF ANDERSON SPRINGS
 SECTION TWENTY TWO
 (PLAT NO. 20080008; F.B.C.P.R.)

WATERWAY AT SIENNA PLANTATION
 (PLAT NO. 20100008; F.B.C.P.R.)



APPROVED:
 DATE: 12/8/16
 DEVELOPMENT COORDINATOR

C4.01

DATE: August 16, 2016

CONTROL PLAN

The Huntington
 At Sienna Ranch
 Senior Independent Living
 Missouri City, Texas

Kelly R. Kaluza
 & Associates, Inc.
 CONSULTING ENGINEERS & SURVEYORS
 ENGINEERING FIRM NO. F-15328
 SURVEYING FIRM NO. 100100066
 3014 AVENUE I
 HOUSTON, TEXAS 77041
 PH 281 341 0808 FAX 281 341 8333

PROJECT NUMBER



SCALE: 1" = 40'



REINFORCED FILTER FABRIC BARRIER

1

INLET PROTECTION BARRIER

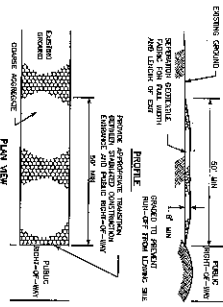
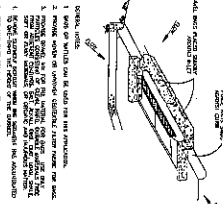
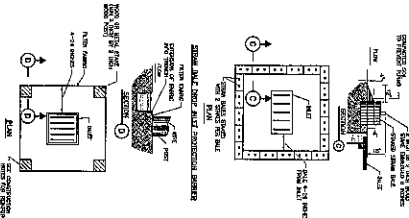
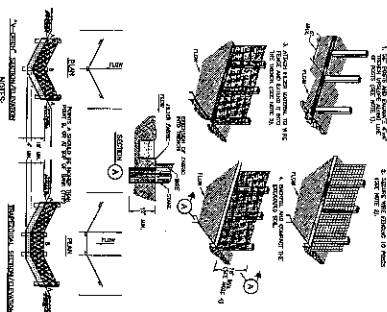
2

CURB INLET PROTECTION

3

STABILIZED CONSTRUCTION EXIT

4



- EROSION AND SEDIMENT CONTROL PLAN NOTES:**
- 50-1. EROSION CONTROL SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. EROSION CONTROL MEASURES SHALL BE DESIGNED TO PREVENT EROSION OF THE CONSTRUCTION SITE AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAYS.
 - 50-2. ALL EROSION CONTROL MEASURES SHALL BE DESIGNED TO PREVENT EROSION OF THE CONSTRUCTION SITE AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAYS.
 - 50-3. ALL EROSION CONTROL MEASURES SHALL BE DESIGNED TO PREVENT EROSION OF THE CONSTRUCTION SITE AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAYS.
 - 50-4. ALL EROSION CONTROL MEASURES SHALL BE DESIGNED TO PREVENT EROSION OF THE CONSTRUCTION SITE AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAYS.
 - 50-5. ALL EROSION CONTROL MEASURES SHALL BE DESIGNED TO PREVENT EROSION OF THE CONSTRUCTION SITE AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAYS.
 - 50-6. ALL EROSION CONTROL MEASURES SHALL BE DESIGNED TO PREVENT EROSION OF THE CONSTRUCTION SITE AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAYS.
 - 50-7. ALL EROSION CONTROL MEASURES SHALL BE DESIGNED TO PREVENT EROSION OF THE CONSTRUCTION SITE AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAYS.

- CONSTRUCTION NOTES:**
- 1. EROSION CONTROL SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
 - 2. EROSION CONTROL MEASURES SHALL BE DESIGNED TO PREVENT EROSION OF THE CONSTRUCTION SITE AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAYS.
 - 3. ALL EROSION CONTROL MEASURES SHALL BE DESIGNED TO PREVENT EROSION OF THE CONSTRUCTION SITE AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAYS.
 - 4. ALL EROSION CONTROL MEASURES SHALL BE DESIGNED TO PREVENT EROSION OF THE CONSTRUCTION SITE AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAYS.
 - 5. ALL EROSION CONTROL MEASURES SHALL BE DESIGNED TO PREVENT EROSION OF THE CONSTRUCTION SITE AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAYS.
 - 6. ALL EROSION CONTROL MEASURES SHALL BE DESIGNED TO PREVENT EROSION OF THE CONSTRUCTION SITE AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAYS.
 - 7. ALL EROSION CONTROL MEASURES SHALL BE DESIGNED TO PREVENT EROSION OF THE CONSTRUCTION SITE AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAYS.

APPROVED: *Kelly R. Kaluza*
 DATE: 12/18/16
 PROJECT: STABILIZED CONSTRUCTION EXIT

C4.02

The Huntington
 At Sienna Ranch
 Senior Independent Living
 Missouri City, Texas

Kelly R. Kaluza
 & Associates, Inc.
 CONSULTING ENGINEERS & SURVEYORS
 10000 WEST 10TH AVE. SUITE 100
 HOUSTON, TEXAS 77042
 PHONE: 281.985.1341 FAX: 281.985.1342



GENERAL NOTES

- [illegible]

CONCRETE/PAVING NOTES

- [illegible]

CEMENT STABILIZED SAND

- [illegible]

COPIES SENT

- HOT MIX ASPHALTIC BASE COURSE**
1. HOT MIX ASPHALTIC BASE COURSE SHALL BE INSTALLED WITH THE SURFACING LAYER PROPORTIONS AND PLACEMENT METHOD SPECIFIED IN THE STANDARD SPECIFICATIONS FOR HOT MIX ASPHALTIC PAVEMENTS, LATEST EDITION, AS ADOPTED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. ANY BASE MATERIALS SUBMITTED AND APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER SHALL BE USED.
2. HOT MIX ASPHALTIC BASE MATERIALS, INCLUDING, BUT NOT LIMITED TO, SINGLE COURSE, DOUBLE COURSE, AND THICK COURSE, SHALL BE PLACED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HOT MIX ASPHALTIC PAVEMENTS, LATEST EDITION, AS ADOPTED BY THE CITY OF ALBUQUERQUE CITY ENGINEER.
3. HOT MIX ASPHALTIC BASE MATERIALS SHALL BE AT TEMPERATURES SPECIFIED IN SPEC 307.07 AND 307.08.
4. HOT MIX ASPHALTIC BASE MATERIALS SHALL BE PLACED IN ONE OR MORE CONTINUOUS LAYS. MATERIALS MAY NOT BE PLACED IN TWO CONTINUOUS LAYS IF THE AMBIENT TEMPERATURE IS

5. PLACE BASE COURSES 4 INCHES OR GREATER IN THICKNESS IN TWO LAYERS IN THE SPACE AND IS 40% AND MINIMUM.

- [illegible]

EROSION AND SEDIMENTATION CONTROL NOTES

- [illegible]

LIMING SUBGRADE

- [illegible]

MINIMUM PAVING 1-3/4" SLAB
MINIMUM PAVING 1/2" SLAB

- [illegible]

[illegible]

ASPHALTIC MATERIAL AND WORKMANSHIP SHALL COMPLY WITH ASTM C 336, ASTM C 131, AND TxDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS AND BRIDGES (1988).

- ## REFE

17. REFER TO GENERAL NOTES AND C.S.S. NOTES

- [illegible]

SANITARY SEWER NOTES

- STANDARDIZED, UNIFORM, COORDINATE MAY NOT BE USED ON PUBLIC STREET, HIGHWAY, OR HIGHWAY-ADJACENT AREAS. APPROVED BY CITY ENGINEER.
- STORM SEWER NOTES**
1. STORM SEWERS SHALL BE DESIGNED AND CONSTRUCTED WITH CITY OF MISSOURI CITY STANDARDS AND SPECIFICATIONS, LATEST EDITION, AND IN ACCORDANCE WITH CITY OF MISSOURI CITY STANDARD SPECIFICATIONS FOR STORM SEWERS.
 2. ALL PIPE SLOPE SHALL BE MEASURED, RECORDED, AND DOCUMENTED IN ACCORDANCE WITH CITY OF MISSOURI CITY STANDARDS AND SPECIFICATIONS.
 3. ALL OTHER STANDARDIZED SLOPE (SLOPE) SHALL BE 3% PER 100 FEET, AND NOT LESS THAN 0.5% (SLOPE) OR GREATER THAN 10% (SLOPE).
 4. ALL STORM SEWERS UNDER AND WITHIN TWO (2) FEET OF DEPTH OR DEEPER REQUIREMENTS SHALL BE CONSTRUCTED AND CONVEYED WITH A 5% C/S OF 10% OF DEPTH OF SUBGRADE.
 5. ALL PROPOSED PIPE SHALL BE 30" MIN. MANHOLE TO MANHOLE ON NOTES AND BE CONSTRUCTED WITH 30" MIN. MANHOLE AND CROWN, MINIMUM DEPTH SHALL BE A MINIMUM OF 17'-0" MIN.
 6. MANHOLES IN MANHOLE BODIES ARE NOT ALLOWED.
 7. ALL STORM SEWER MANHOLES SHALL BE OF IRONSTEEL CITY TYPE 3" UNLESS OTHERWISE NOTED AND SHALL BE COVERED A MINIMUM OF THREE (3) FEET BACK OF CURB. IF CONVEYED 30" DIA. MANHOLE SHALL BE COVERED WITH 30" DIA. MANHOLE COVER. (MINIMUM COVER OF 1'-0" MIN. COVER OF 18" DIA.)
 8. ALL EXISTING STORM ON THE ROAD AND ADJACENT ONLY, EXISTING CONCRETE SHALL HAVE TO BE REMOVED AND REPLACED WITH 12" MIN. C/S OF 10% OF DEPTH OF SUBGRADE.
 9. ALL EXISTING STORM SHALL BE RECONSTRUCTED WITH 12" MIN. C/S OF 10% OF DEPTH OF SUBGRADE.
 10. ALL EXISTING STORM SHALL BE RECONSTRUCTED WITH 12" MIN. C/S OF 10% OF DEPTH OF SUBGRADE.
 11. ALL EXISTING STORM SHALL BE RECONSTRUCTED WITH 12" MIN. C/S OF 10% OF DEPTH OF SUBGRADE.
 12. ALL EXISTING STORM SHALL BE RECONSTRUCTED WITH 12" MIN. C/S OF 10% OF DEPTH OF SUBGRADE.
 13. CONSTRUCTION SHALL VARY WITHIN MINIMUM (MINIMUM) SHALL BE 12" MIN. C/S OF 10% OF DEPTH OF SUBGRADE.
 14. ALL EXISTING STORM SHALL BE RECONSTRUCTED WITH 12" MIN. C/S OF 10% OF DEPTH OF SUBGRADE.
 15. ALL EXISTING STORM SHALL BE RECONSTRUCTED WITH 12" MIN. C/S OF 10% OF DEPTH OF SUBGRADE.
 16. ALL EXISTING STORM SHALL BE RECONSTRUCTED WITH 12" MIN. C/S OF 10% OF DEPTH OF SUBGRADE.
 17. ALL EXISTING STORM SHALL BE RECONSTRUCTED WITH 12" MIN. C/S OF 10% OF DEPTH OF SUBGRADE.
 18. ALL EXISTING STORM SHALL BE RECONSTRUCTED WITH 12" MIN. C/S OF 10% OF DEPTH OF SUBGRADE.
 19. ALL EXISTING STORM SHALL BE RECONSTRUCTED WITH 12" MIN. C/S OF 10% OF DEPTH OF SUBGRADE.
 20. ALL EXISTING STORM SHALL BE RECONSTRUCTED WITH 12" MIN. C/S OF 10% OF DEPTH OF SUBGRADE.
- SANITARY SEWER NOTES**

WATER DISTRIBUTION NOTES

- [illegible]

CONDUCTED AS PER REQUIREMENTS OF THE CITY OF

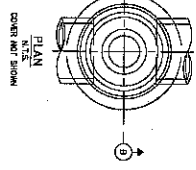
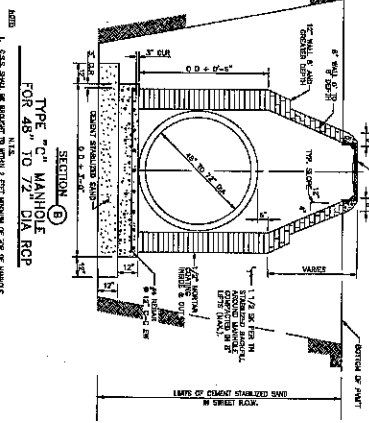
- [illegible]

**Kelly R
& Assoc**

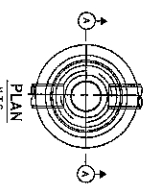
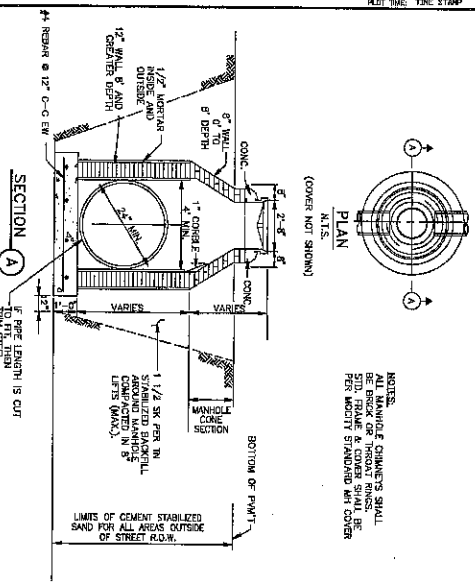
CONSULTING ENGINEER
SURVEYING P.
SOLA
ROSENBERG
PHILA. 641.0004



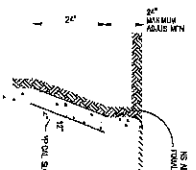
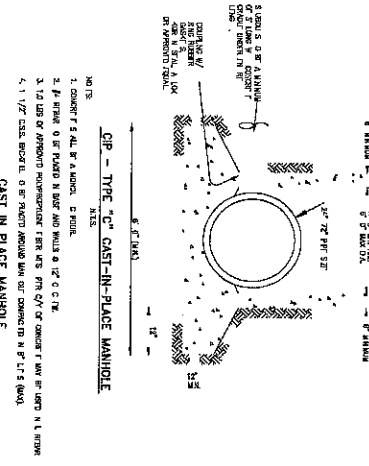
CAD FILE PATH: CADFILE_PATH
 PLOT DATE: DATE



TYPE "C" MANHOLE



NOTES:
 ALL MANHOLE CHAMBERS SHALL
 BE BRICK OR THICK BRICKS, PER
 MISSOURI STANDARD SPEC. FOR
 PERMITS. BRICKWORK SHALL COVER



PRECAST CONCRETE MANHOLE

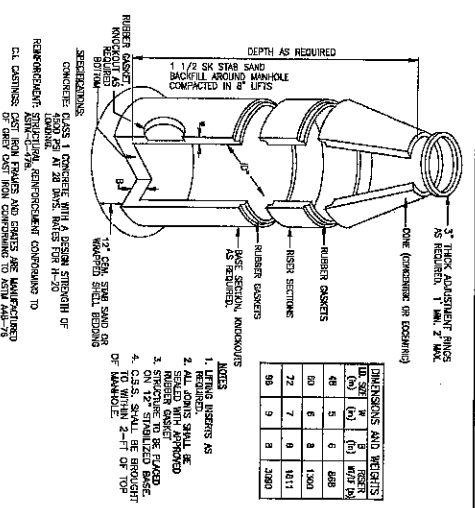
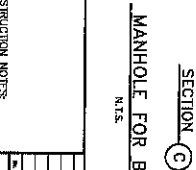
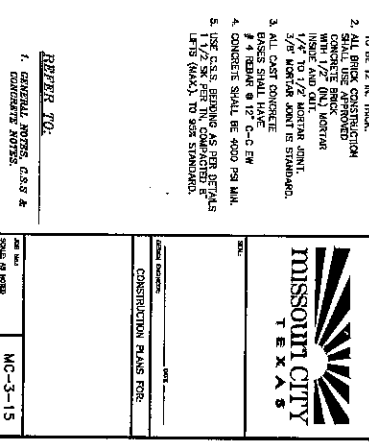
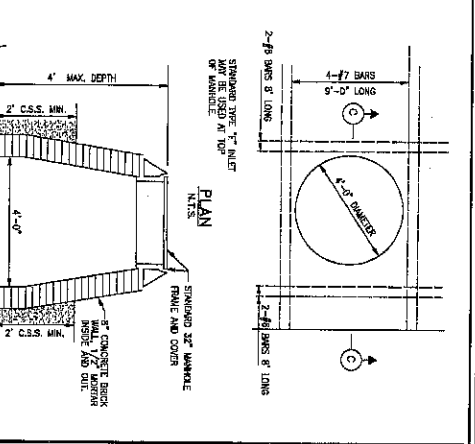


TABLE 1: DIMENSIONS AND WEIGHTS

DIAMETER (IN)	WEIGHT (LBS)	WEIGHT (KGS)
48	1,100	499
60	1,500	680
72	2,100	954
84	2,800	1,270



TYPE "C" CAST-IN-PLACE MANHOLE



APPROVED: *[Signature]*
 DATE: 12/8/16
 PROJECT COORDINATOR

CONSTRUCTION PLANS FOR:
 MISSOURI CITY, TEXAS
 MC-3-15
 SHEET 4 OF 20

The Huntington
 At Sienna Ranch
 Senior Independent Living
 Missouri City, Texas

Kelly R. Kaluza
 & Associates, Inc.
 CONSULTING ENGINEERS & SURVEYORS
 ENGINEERING FIRM No. 1-1380
 SURVEYING FIRM No. 1-1380
 10114 AVENUE 177
 HOUSTON, TEXAS 77057
 PH: 281.941.0908 FAX: 281.941.0955

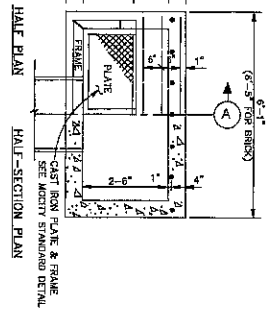


C5.04

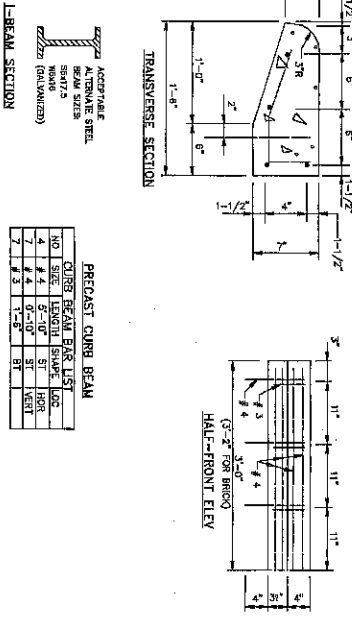
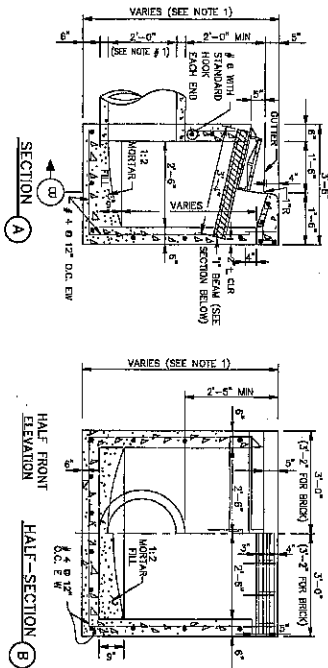
QID FILE PATH: C:\Users\jcalderon\Documents\2018\12\18\12-18-18-001 - Huntington - 517\DWG\DWG\12-18-18-001.dwg
 FILE NAME: 12-18-18-001

PLT TIME: 0.00

"B-B" INLET (REPLACEMENT ONLY)

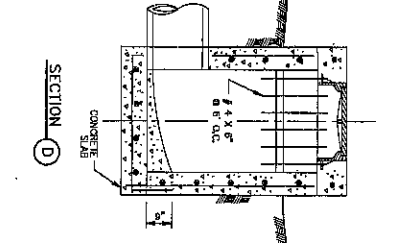
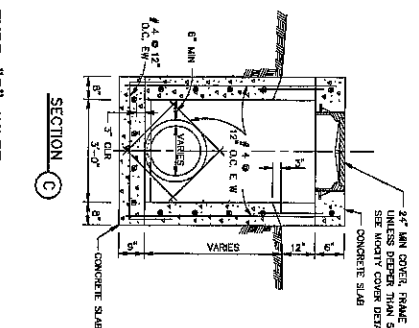
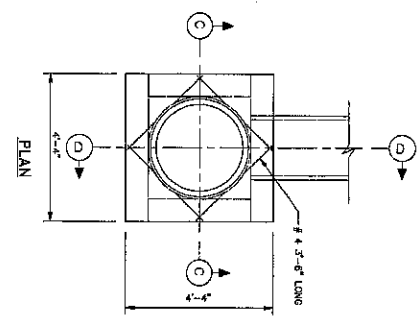


- GENERAL NOTES:**
- USE STD CAST IRON FRAME & PLATE. LEAD SHALL LEAVE INLET AT LOCATION WHEN BRICK INLETS ARE BUILT. EXISTING DOWELS WHEN BRICK INLETS ARE BUILT, WALLS SHALL BE INCREASED TO 8 INCHES, AND INLET BEAMS TO BE 4 INCHES LONGER.
 - DIMENSION VARIATIONS BASED ON PRE-DRAWER AND WALL THICKNESS.
 - CENTER REINFORCING IN SLAB AND WALLS.
 - CENTER STEEL BEAM ON INLET AND CAST INTO WALLS AS SHOWN.

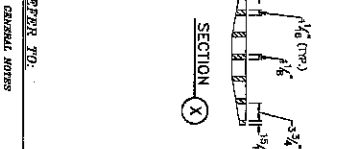
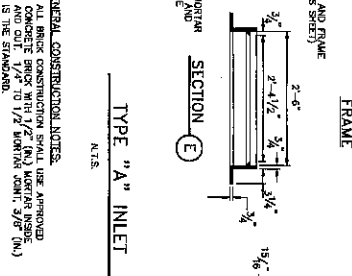
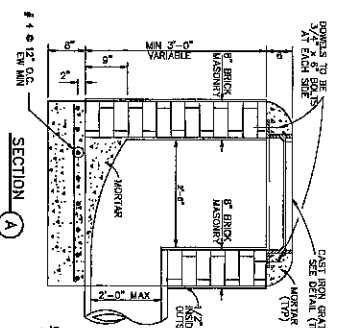
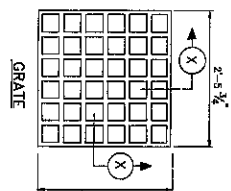
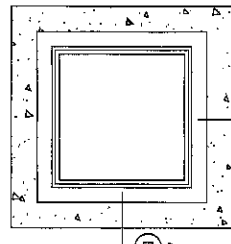
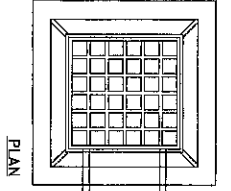


PRECAST CURB BEAM

NO.	SIZE	LENGTH	SHAPE	QTY
1	4"	4'-0"	ST	1
2	4"	4'-0"	ST	1
3	4"	4'-0"	ST	1
4	4"	4'-0"	ST	1
5	4"	4'-0"	ST	1
6	4"	4'-0"	ST	1
7	4"	4'-0"	ST	1
8	4"	4'-0"	ST	1
9	4"	4'-0"	ST	1
10	4"	4'-0"	ST	1
11	4"	4'-0"	ST	1
12	4"	4'-0"	ST	1
13	4"	4'-0"	ST	1
14	4"	4'-0"	ST	1
15	4"	4'-0"	ST	1
16	4"	4'-0"	ST	1
17	4"	4'-0"	ST	1
18	4"	4'-0"	ST	1
19	4"	4'-0"	ST	1
20	4"	4'-0"	ST	1
21	4"	4'-0"	ST	1
22	4"	4'-0"	ST	1
23	4"	4'-0"	ST	1
24	4"	4'-0"	ST	1
25	4"	4'-0"	ST	1
26	4"	4'-0"	ST	1
27	4"	4'-0"	ST	1
28	4"	4'-0"	ST	1
29	4"	4'-0"	ST	1
30	4"	4'-0"	ST	1
31	4"	4'-0"	ST	1
32	4"	4'-0"	ST	1
33	4"	4'-0"	ST	1
34	4"	4'-0"	ST	1
35	4"	4'-0"	ST	1
36	4"	4'-0"	ST	1
37	4"	4'-0"	ST	1
38	4"	4'-0"	ST	1
39	4"	4'-0"	ST	1
40	4"	4'-0"	ST	1
41	4"	4'-0"	ST	1
42	4"	4'-0"	ST	1
43	4"	4'-0"	ST	1
44	4"	4'-0"	ST	1
45	4"	4'-0"	ST	1
46	4"	4'-0"	ST	1
47	4"	4'-0"	ST	1
48	4"	4'-0"	ST	1
49	4"	4'-0"	ST	1
50	4"	4'-0"	ST	1
51	4"	4'-0"	ST	1
52	4"	4'-0"	ST	1
53	4"	4'-0"	ST	1
54	4"	4'-0"	ST	1
55	4"	4'-0"	ST	1
56	4"	4'-0"	ST	1
57	4"	4'-0"	ST	1
58	4"	4'-0"	ST	1
59	4"	4'-0"	ST	1
60	4"	4'-0"	ST	1
61	4"	4'-0"	ST	1
62	4"	4'-0"	ST	1
63	4"	4'-0"	ST	1
64	4"	4'-0"	ST	1
65	4"	4'-0"	ST	1
66	4"	4'-0"	ST	1
67	4"	4'-0"	ST	1
68	4"	4'-0"	ST	1
69	4"	4'-0"	ST	1
70	4"	4'-0"	ST	1
71	4"	4'-0"	ST	1
72	4"	4'-0"	ST	1
73	4"	4'-0"	ST	1
74	4"	4'-0"	ST	1
75	4"	4'-0"	ST	1
76	4"	4'-0"	ST	1
77	4"	4'-0"	ST	1
78	4"	4'-0"	ST	1
79	4"	4'-0"	ST	1
80	4"	4'-0"	ST	1
81	4"	4'-0"	ST	1
82	4"	4'-0"	ST	1
83	4"	4'-0"	ST	1
84	4"	4'-0"	ST	1
85	4"	4'-0"	ST	1
86	4"	4'-0"	ST	1
87	4"	4'-0"	ST	1
88	4"	4'-0"	ST	1
89	4"	4'-0"	ST	1
90	4"	4'-0"	ST	1
91	4"	4'-0"	ST	1
92	4"	4'-0"	ST	1
93	4"	4'-0"	ST	1
94	4"	4'-0"	ST	1
95	4"	4'-0"	ST	1
96	4"	4'-0"	ST	1
97	4"	4'-0"	ST	1
98	4"	4'-0"	ST	1
99	4"	4'-0"	ST	1
100	4"	4'-0"	ST	1



TYPE "E" INLET



GENERAL CONSTRUCTION NOTES:

- ALL BRICK CONSTRUCTION SHALL USE APPROVED CONCRETE BLOCK WITH 1/2" (IN) MORTAR INSIDE AND OUT.
- GENERAL NOTES

REFER TO:

- GENERAL NOTES

APPROVED: *Missouri City*
 DATE: 12/18/18
 DESIGNED BY: *Missouri City*
 CHECKED BY: *Missouri City*
 DRAWN BY: *Missouri City*

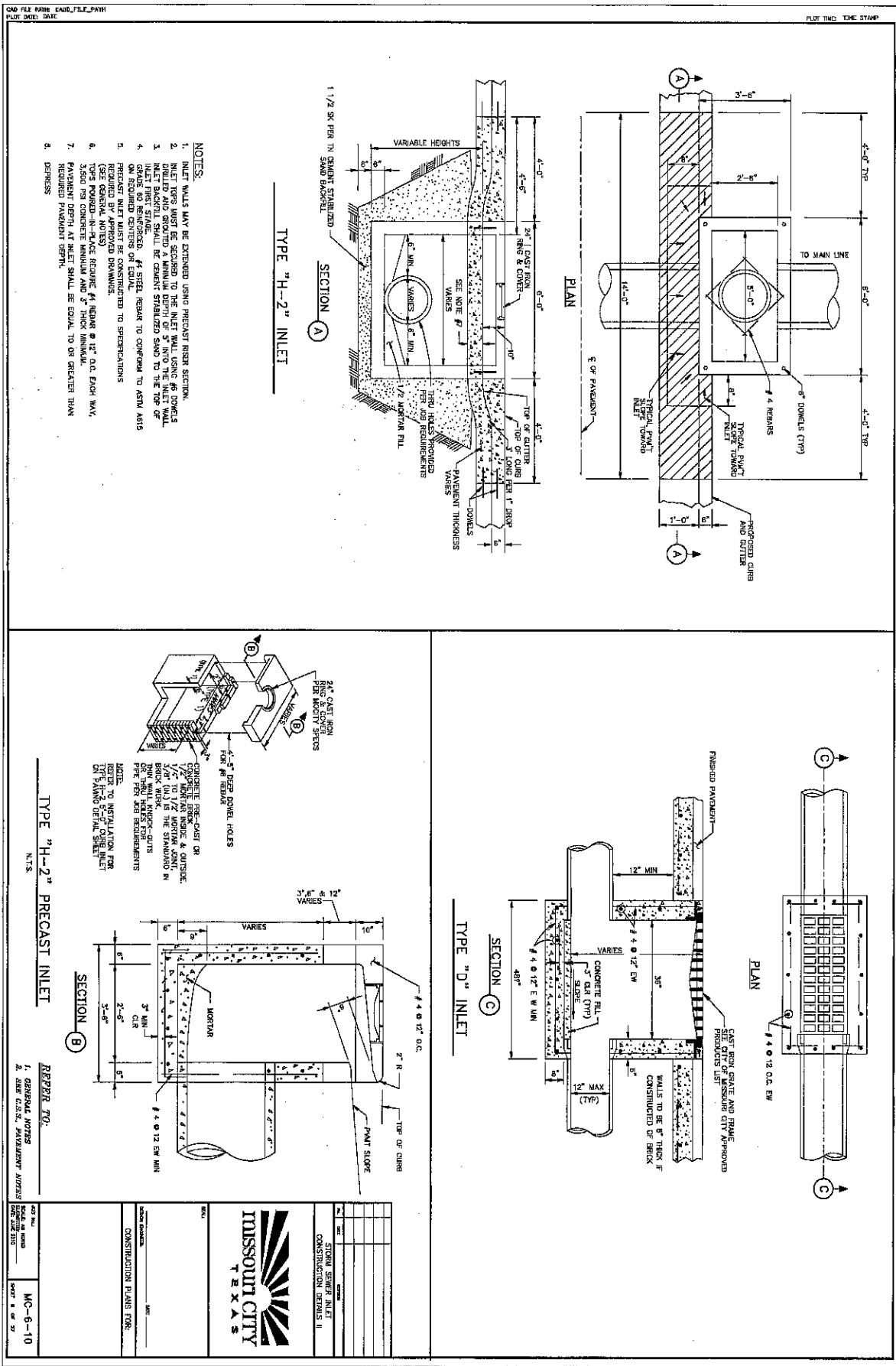
C5.05

CONSTRUCTION DETAILS

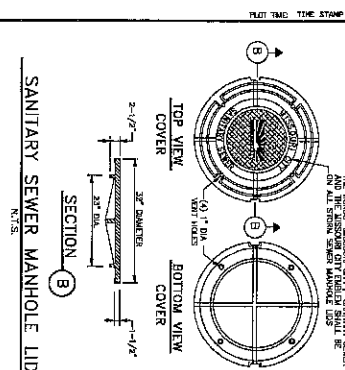
The Huntington
 At Sienna Ranch
 Senior Independent Living
 Missouri City, Texas

Kelly R. Kaluza & Associates, Inc.
 CONSULTING ENGINEERS & SURVEYORS
 10000 N. FARM ROAD, SUITE 100
 ROSENBERG, TEXAS 77471
 TEL: 281.541.0800 FAX: 281.541.6555

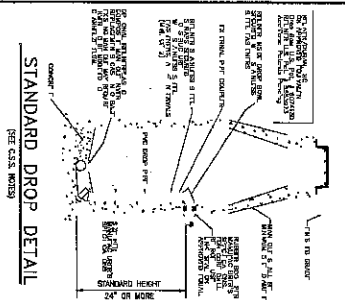




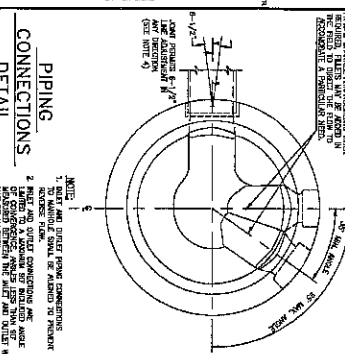
CAD FILE PATH: CAD_FILE_PATH



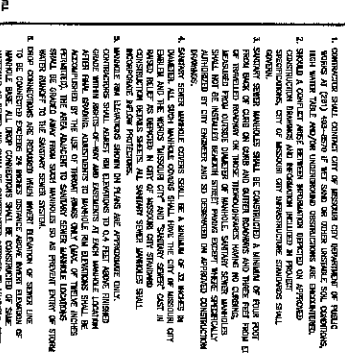
SANITARY SEWER MANHOLE LID



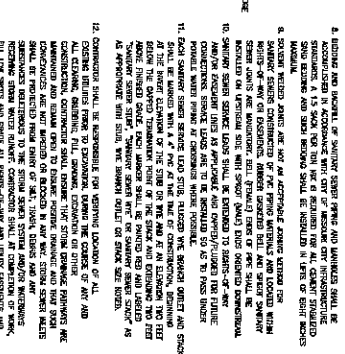
STANDARD DROP DETAIL



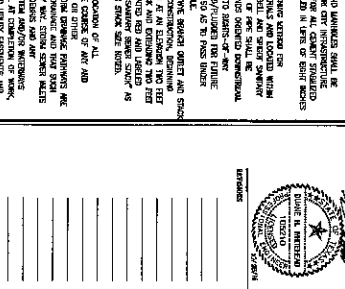
CONNECTIONS



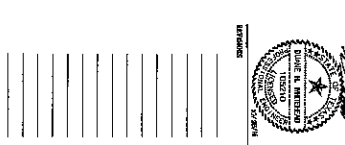
**R. DRUG CONNECTIONS ARE
TO BE CONNECTED**



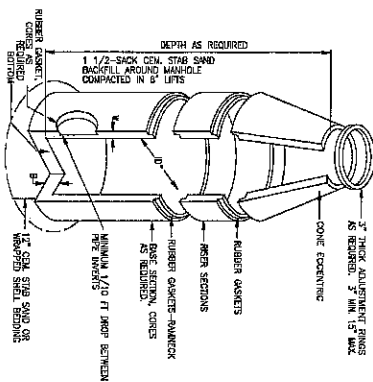
SHALL BE PROTECTED FROM ENTRY OF SALT, THUS, AND SUBSEQUENTLY DELETED TO THE STORM SEWAGE SYSTEM.



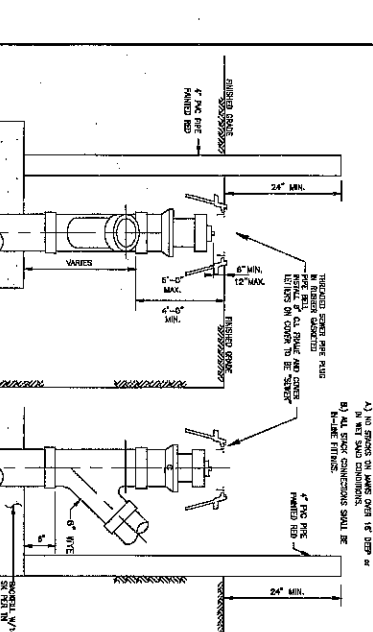
AND ANY
AND/OR WORKS



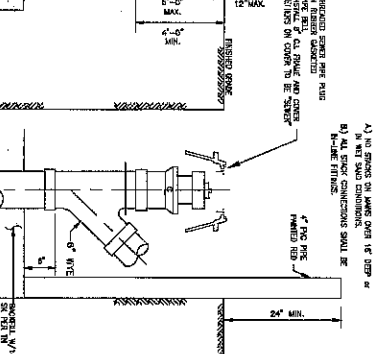
100



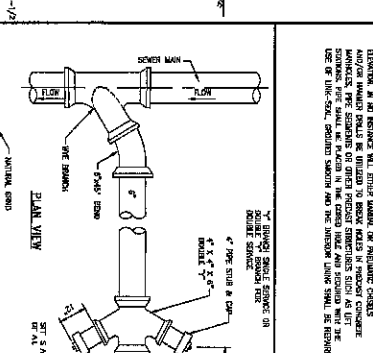
12" CEM STAG SAND WRAPPED SHLL BED



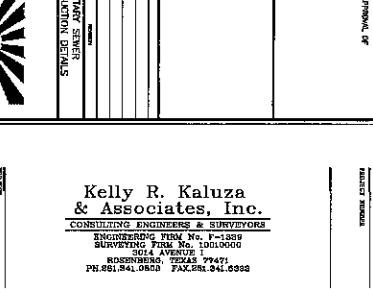
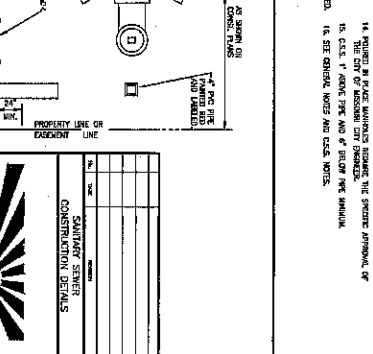
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----



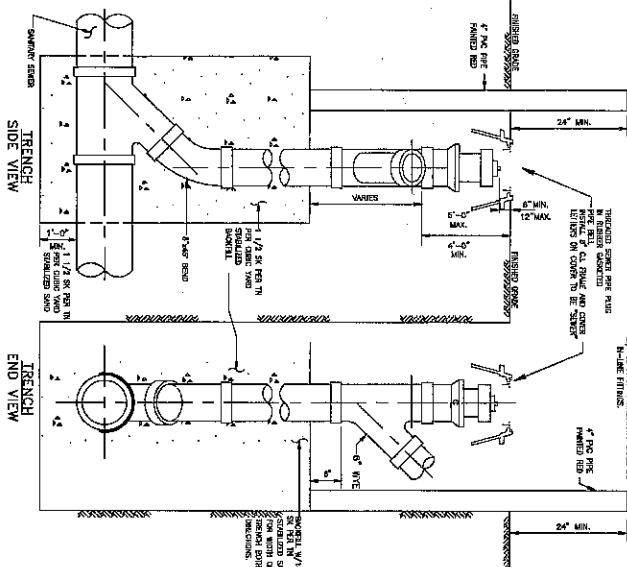
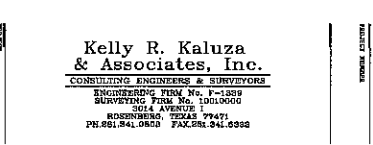
1



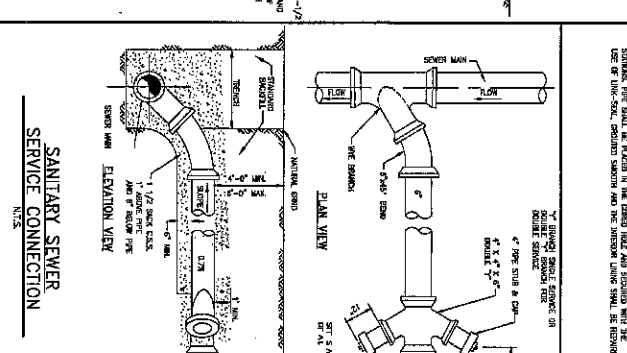
5



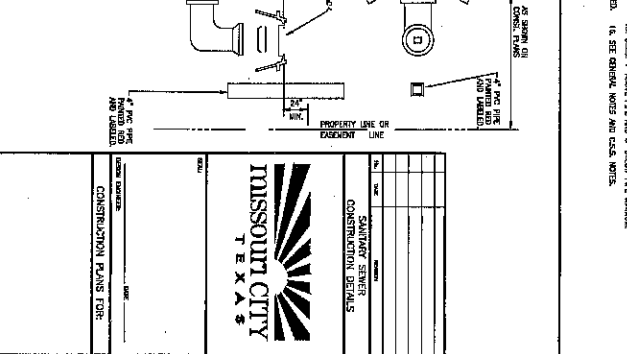
W

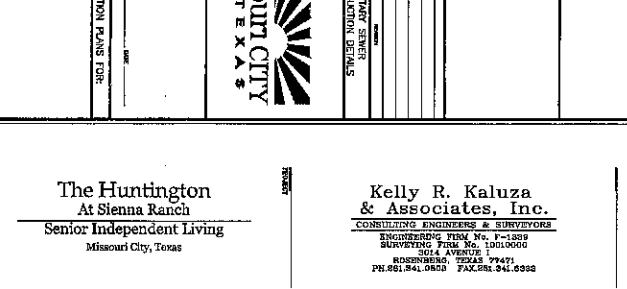


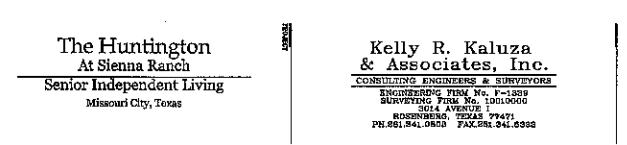
TRENCH
SIDE VIEW



SERVICE CONNECTION





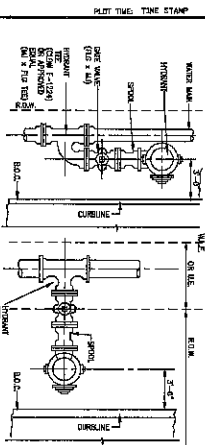




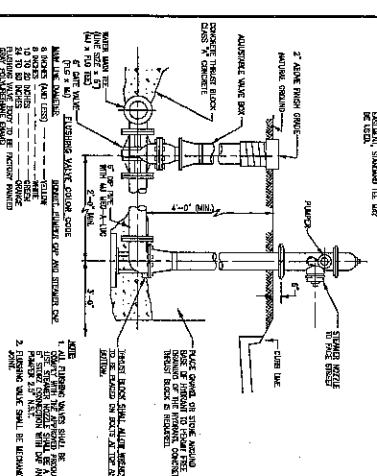
APPROVED: Massi
DEWILDERING COORDINATOR
DATE: 12/8/16

DATE August 18, 1954
SHEET NUMBER C5.08

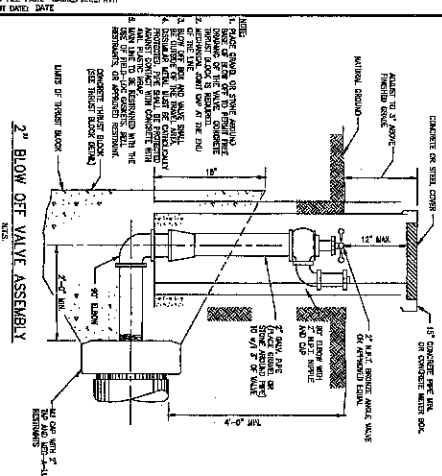
CAD FILE PATH: CADFILE_PATH
 RUN DATE: DATE



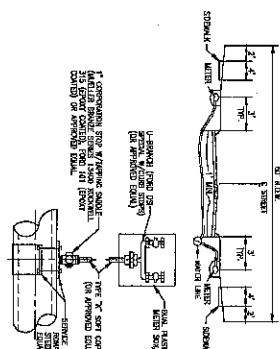
R.O.W. INSTALLATION EASEMENT INSTALLATION



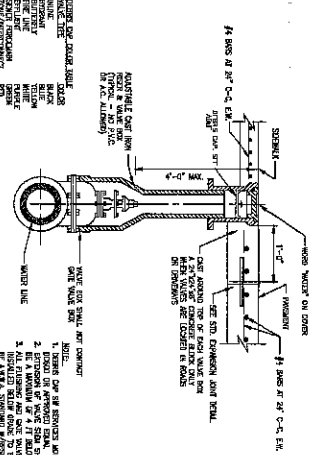
TE & FLUSHING VALVE INSTALLATION



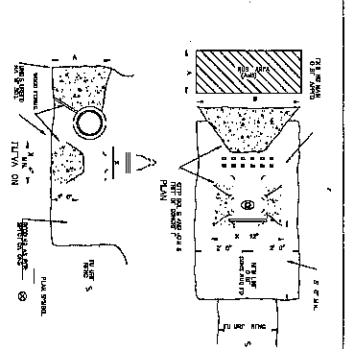
2" BLOW OFF VALVE ASSEMBLY
RTS.



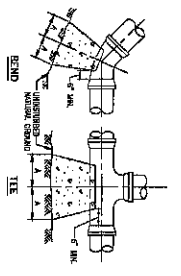
WATER SERVICE CONNECTION (DOUBLE SERVICE)
AND
WATER SERVICE TAPPING ASSEMBLY DETAIL.
N.T.S.



VALVE BOX INSTALLATION - DETAIL



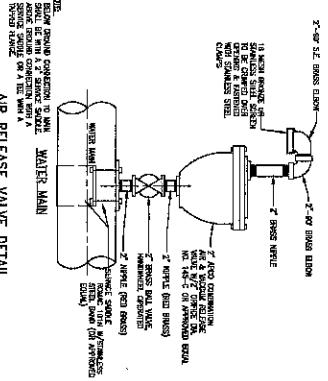
TAPPING SLEEVE & VALVE DETAIL

[illegible]

END & TIE PLUG

THRUST BLOCK DETAIL

MIS




AIR RELEASE VALVE DETAIL

1. UNDER THE FBI AND DEPT. OF JUSTICE, CLASS 325, 1942-1945, 1946-1947, 1948-1949, 1950-1951, 1952-1953, 1954-1955, 1956-1957, 1958-1959, 1960-1961, 1962-1963, 1964-1965, 1966-1967, 1968-1969, 1970-1971, 1972-1973, 1974-1975, 1976-1977, 1978-1979, 1980-1981, 1982-1983, 1984-1985, 1986-1987, 1988-1989, 1990-1991, 1992-1993, 1994-1995, 1996-1997, 1998-1999, 2000-2001, 2002-2003, 2004-2005, 2006-2007, 2008-2009, 2010-2011, 2012-2013, 2014-2015, 2016-2017, 2018-2019, 2020-2021, 2022-2023, 2024-2025, 2026-2027, 2028-2029, 2030-2031, 2032-2033, 2034-2035, 2036-2037, 2038-2039, 2040-2041, 2042-2043, 2044-2045, 2046-2047, 2048-2049, 2050-2051, 2052-2053, 2054-2055, 2056-2057, 2058-2059, 2060-2061, 2062-2063, 2064-2065, 2066-2067, 2068-2069, 2070-2071, 2072-2073, 2074-2075, 2076-2077, 2078-2079, 2080-2081, 2082-2083, 2084-2085, 2086-2087, 2088-2089, 2090-2091, 2092-2093, 2094-2095, 2096-2097, 2098-2099, 2100-2101, 2102-2103, 2104-2105, 2106-2107, 2108-2109, 2110-2111, 2112-2113, 2114-2115, 2116-2117, 2118-2119, 2120-2121, 2122-2123, 2124-2125, 2126-2127, 2128-2129, 2130-2131, 2132-2133, 2134-2135, 2136-2137, 2138-2139, 2140-2141, 2142-2143, 2144-2145, 2146-2147, 2148-2149, 2150-2151, 2152-2153, 2154-2155, 2156-2157, 2158-2159, 2160-2161, 2162-2163, 2164-2165, 2166-2167, 2168-2169, 2170-2171, 2172-2173, 2174-2175, 2176-2177, 2178-2179, 2180-2181, 2182-2183, 2184-2185, 2186-2187, 2188-2189, 2190-2191, 2192-2193, 2194-2195, 2196-2197, 2198-2199, 2200-2201, 2202-2203, 2204-2205, 2206-2207, 2208-2209, 2210-2211, 2212-2213, 2214-2215, 2216-2217, 2218-2219, 2220-2221, 2222-2223, 2224-2225, 2226-2227, 2228-2229, 2230-2231, 2232-2233, 2234-2235, 2236-2237, 2238-2239, 2240-2241, 2242-2243, 2244-2245, 2246-2247, 2248-2249, 2250-2251, 2252-2253, 2254-2255, 2256-2257, 2258-2259, 2260-2261, 2262-2263, 2264-2265, 2266-2267, 2268-2269, 2270-2271, 2272-2273, 2274-2275, 2276-2277, 2278-2279, 2280-2281, 2282-2283, 2284-2285, 2286-2287, 2288-2289, 2290-2291, 2292-2293, 2294-2295, 2296-2297, 2298-2299, 2300-2301, 2302-2303, 2304-2305, 2306-2307, 2308-2309, 2310-2311, 2312-2313, 2314-2315, 2316-2317, 2318-2319, 2320-2321, 2322-2323, 2324-2325, 2326-2327, 2328-2329, 2330-2331, 2332-2333, 2334-2335, 2336-2337, 2338-2339, 2340-2341, 2342-2343, 2344-2345, 2346-2347, 2348-2349, 2350-2351, 2352-2353, 2354-2355, 2356-2357, 2358-2359, 2360-2361, 2362-2363, 2364-2365, 2366-2367, 2368-2369, 2370-2371, 2372-2373, 2374-2375, 2376-2377, 2378-2379, 2380-2381, 2382-2383, 2384-2385, 2386-2387, 2388-2389, 2390-2391, 2392-2393, 2394-2395, 2396-2397, 2398-2399, 2400-2401, 2402-2403, 2404-2405, 2406-2407, 2408-2409, 2410-2411, 2412-2413, 2414-2415, 2416-2417, 2418-2419, 2420-2421, 2422-2423, 2424-2425, 2426-2427, 2428-2429, 2430-2431, 2432-2433, 2434-2435, 2436-2437, 2438-2439, 2440-2441, 2442-2443, 2444-2445, 2446-2447, 2448-2449, 2450-2451, 2452-2453, 2454-2455, 2456-2457, 2458-2459, 2460-2461, 2462-2463, 2464-2465, 2466-2467, 2468-2469, 2470-2471, 2472-2473, 2474-2475, 2476-2477, 2478-2479, 2480-2481, 2482-2483, 2484-2485, 2486-2487, 2488-2489, 2490-2491, 2492-2493, 2494-2495, 2496-2497, 2498-2499, 2500-2501, 2502-2503, 2504-2505, 2506-2507, 2508-2509, 2510-2511, 2512-2513, 2514-2515, 2516-2517, 2518-2519, 2520-2521, 2522-2523, 2524-2525, 2526-2527, 2528-2529, 2530-2531, 2532-2533, 2534-2535, 2536-2537, 2538-2539, 2540-2541, 2542-2543, 2544-2545, 2546-2547, 2548-2549, 2550-2551, 2552-2553, 2554-2555, 2556-2557, 2558-2559, 2560-2561, 2562-2563, 2564-2565, 2566-2567, 2568-2569, 2570-2571, 2572-2573, 2574-2575, 2576-2577, 2578-2579, 2580-2581, 2582-2583, 2584-2585, 2586-2587, 2588-2589, 2590-2591, 2592-2593, 2594-2595, 2596-2597, 2598-2599, 2600-2601, 2602-2603, 2604-2605, 2606-2607, 2608-2609, 2610-2611, 2612-2613, 2614-2615, 2616-2617, 2618-2619, 2620-2621, 2622-2623, 2624-2625, 2626-2627, 2628-2629, 2630-2631, 2632-2633, 2634-2635, 2636-2637, 2638-2639, 2640-2641, 2642-2643, 2644-2645, 2646-2647, 2648-2649, 2650-2651, 2652-2653, 2654-2655, 2656-2657, 2658-2659, 2660-2661, 2662-2663, 2664-2665, 2666-2667, 2668-2669, 2670-2671, 2672-2673, 2674-2675, 2676-2677, 2678-2679, 2680-2681, 2682-

[illegible]

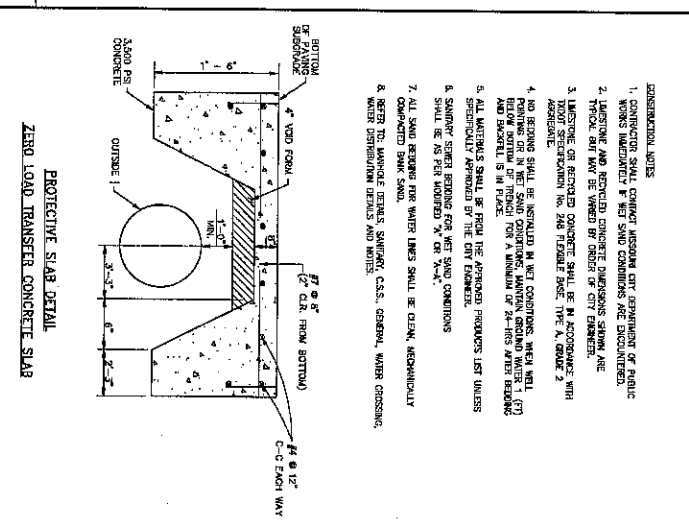
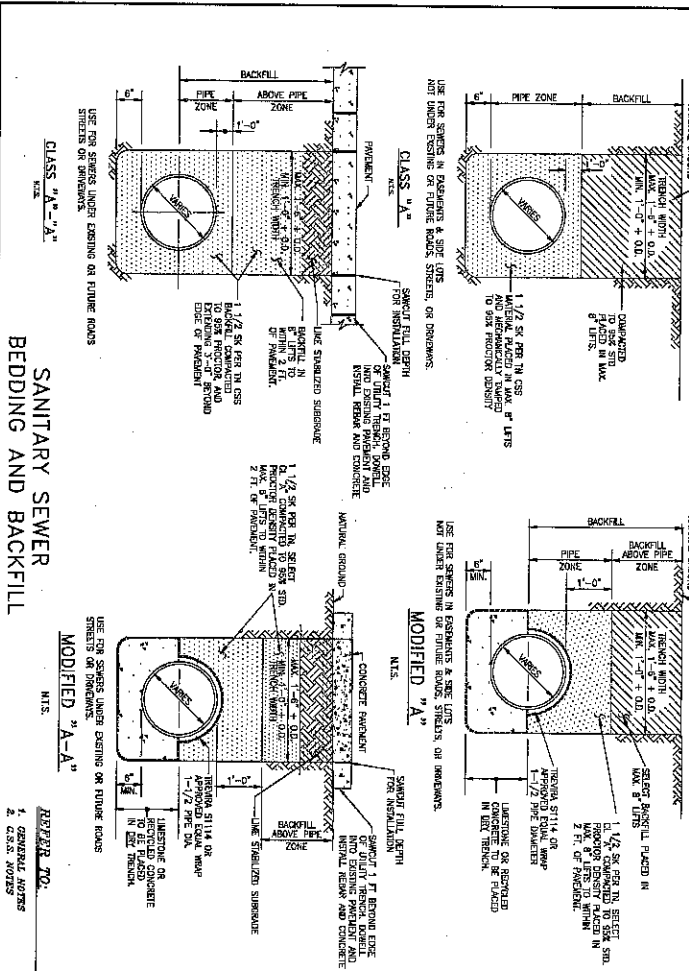
BENDS, TEES & PLUGS
FOR PIPE OF VARIOUS SIZES

 MISSOURI CITY TEXAS		WATER LINE CONSTRUCTION PERMITS	
DATE		PROJECT NUMBER	
ISSUE DATE		DATE	
ISSUE COMMENTS		CONSTRUCTION PLANS FOR:	
DATE PERMITS		MO-11-15	
ISSUE COMMENTS		ISSUE TO OFFICE	

APPROVED: M. J. [Signature]
DEVELOPMENT COORDINATOR

DATE: 12/8/16

010 FILE PATH: C:\Users\jkaluza\Documents\2015\2015-001\2015-001.dwg
 PLOT DATE: 10/10/2015



MISSOURI CITY TEXAS

CONSTRUCTION PLANS FOR:

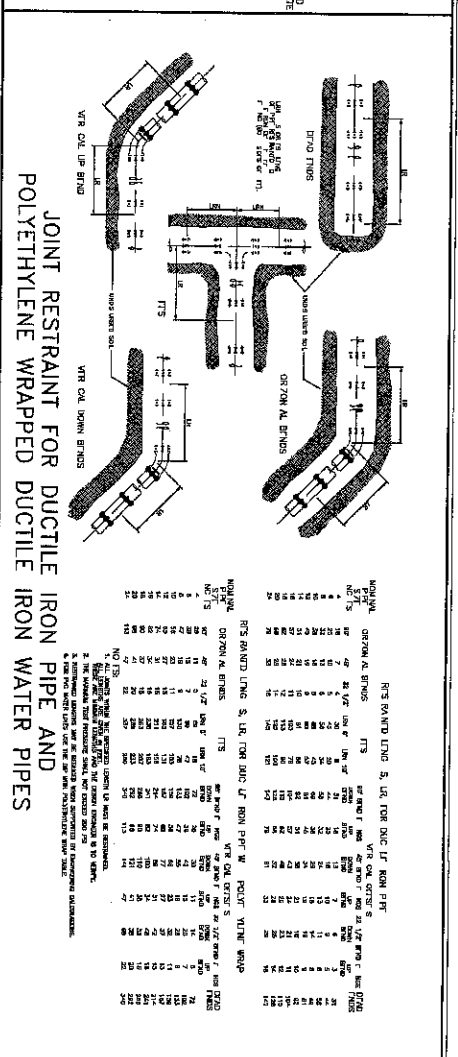
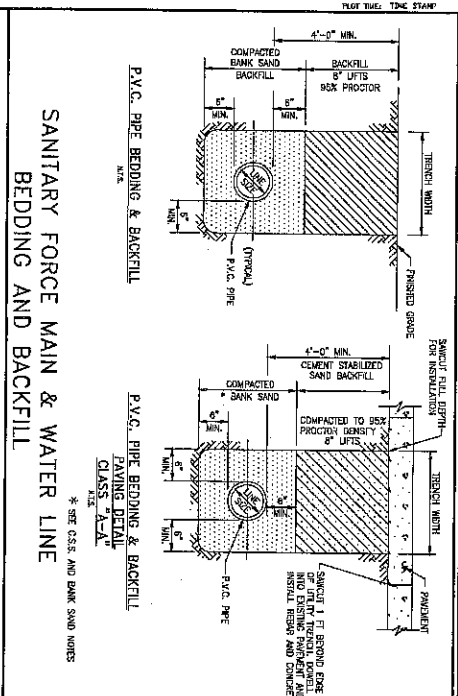
MC-15-15

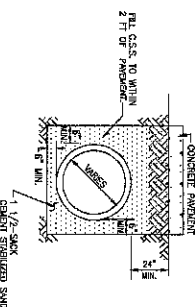
DATE: 10/10/2015

APPROVED: *Maciej Kaluza*

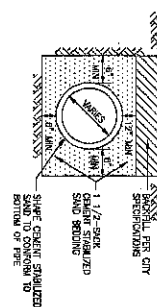
DESIGNED/ENGINEER/COORDINATOR:

SCALE: 1/4" = 1'-0"

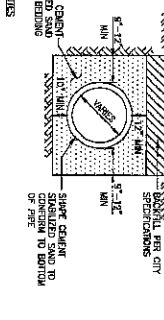


GAD FILE PATH: CADD_FILE_PATH
DATE DATE: DATE

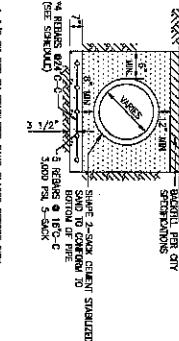
BEDDING DETAIL FOR
 CONCRETE CULVERT USED
 UNDER ROADWAY PAVEMENT
CLASS "A-A"
 M.T.S.



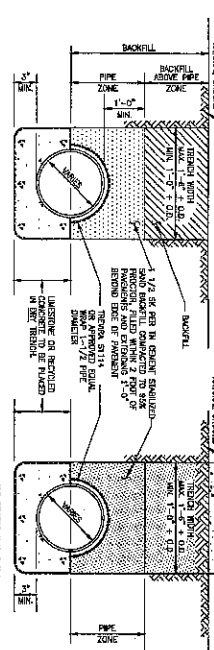
BEDDING DETAIL FOR
REINFORCED CONCRETE PIPE
STORM SEWER
36" DIAMETER & SMALLER



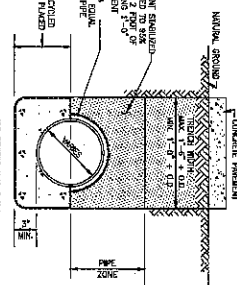
1. 1.5-SACK CEMENT PER TON STABILIZED SAND PLACED BEFORE PIPE IS PLACED (10" MINIMUM FOR 42" TO 60", 14" MINIMUM FOR 66" TO 108"



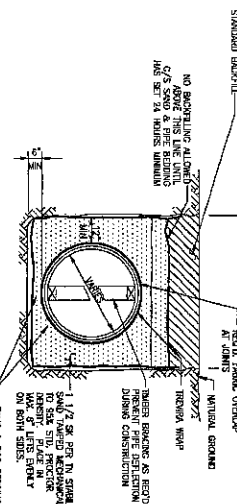
SEAL SLAB
BEDDING DETAIL FOR
REINFORCED CONCRETE PIPE
STORM SEWER
42" TO 108" DIAMETER
WHERE UNSATISFACTORY SOIL CONDITIONS EXIST



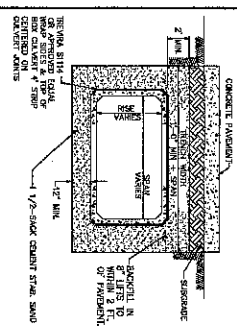
MODIFIED "A"
N.T.S.



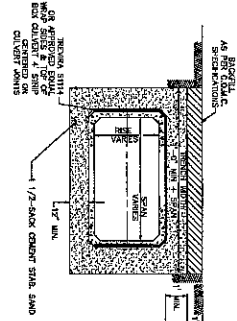
MODIFIED "A-A"
N.T.S.



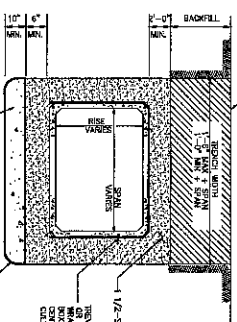
BEDDING DETAIL FOR STORM SEWER-
CORRUGATED METAL PIPE



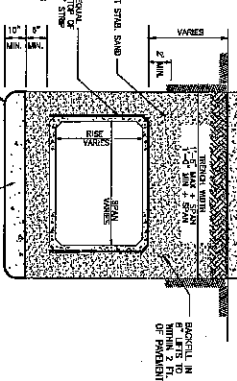
BEDDING DETAIL FOR
REINFORCED CONCRETE BOX
CULVERT UNDER ROADWAY PAVEMENT



BEDDING DETAIL FOR
REINFORCED CONCRETE BOX
PLACED IN EASEMENT



BEDDING DETAIL FOR
REINFORCED CONCRETE BOX CULVERT
W/MODIFIED BEDDING



**BEDDING DETAIL FOR
REINFORCED CONCRETE BOX CULVERT
W/MODIFIED BEDDING
UNDER ROADWAY PAVEMENT**

POLE SIDE	1ST LAT # DEGS	1ST LONG # DEGS
42°	54°	5
46°	63°	6
54°	68°	6
60°	80°	7
66°	80°	7
72°	84°	8
78°	84°	8
84°	94°	8
90°	108°	9
96°	108°	9
102°	120°	10
108°	120°	10

1. CONTAINER SHALL BE OPENED USING CITY DEPARTMENT OF PUBLIC WORKS WAREHOUSE #1 AND SHALL CONTAINERS BE DISCLOSED TO THE PUBLIC.
2. LUSTRIER AND RECYCLED CONCRETE CUPBERS SHALL BE TYPICAL FOR AND BE RECYCLED BY CITIES OF CITY ENGINEER.
3. LUSTRIER OR RECYCLED CONCRETE SHALL BE IN ACCORDANCE WITH CITY ENGINEER'S SPECIFICATIONS AND SHALL BE TYPICAL FOR AND BE RECYCLED BY CITIES OF CITY ENGINEER.
4. NO FURNISHING SHALL BE INSTALLED IN NET CONCRETE. WHEN IN FURNISHING OR IN NET CONCRETE, FURNISHING SHALL BE BELOW BOTTOM OF TRENCH FOR A MINIMUM OF 24-INCHES AFTER BEDDING AND BACKFILL IS IN PLACE.
5. RECYCLED AND SOFT CEMENT SHALL BE INSTALLED WITH APPROVED CONCRETE.
6. LUSTRIER SHALL BE PROVIDED WHERE IDENTIFIED "X" ON LOCATION "X" BEDDING IS USED. SHALL NOT BE ALLOWED.
7. RECYCLED TO LUSTRIER, RECYCLED CONCRETE AND SOFT CEMENT SHALL BE INSTALLED WITH APPROVED CONCRETE.
8. SPECIAL DESIGN SHALL BE SUBMITTED AND APPROVED BY THE ENGINEER FOR LUSTRIER ACCESS TO BOX CEMENTS AS REQUIRED.
9. ALL BOXES WITHIN THE R.O.W. SHALL BE CONSTRUCTED TO MEET STANDARD BOXES DENSITY.



MISSOURI CITY
TEXAS

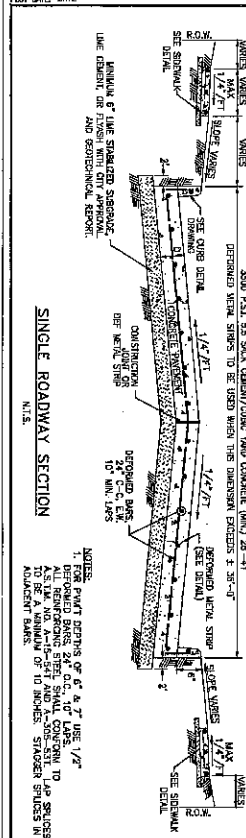
**Kelly R. Kaluza
& Associates, Inc.**
CONSULTING ENGINEERS & SURVEYORS
ENGINEERING FIRM No. F-1589
SURVEYING FIRM No. 10010000
3014 AVENUE I
ROSENBERG, TEXAS 77471
PH 281 / 684-1589 FAX 281 / 684-1589

The Huntington
At Sienna Ranch
Senior Independent Living
Missouri City, Texas

C5.11

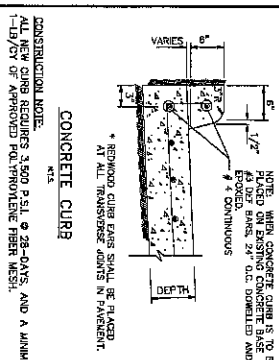
APPROVED: Mary D.
DEPARTMENT COORDINATOR
DATE: 12/8/16.

CAD FILE PATH: CADD_FILE_PATH
 EXPI DATE: DATE

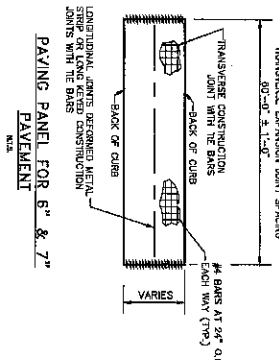


SINGLE ROADWAY SECTION
N.T.5.

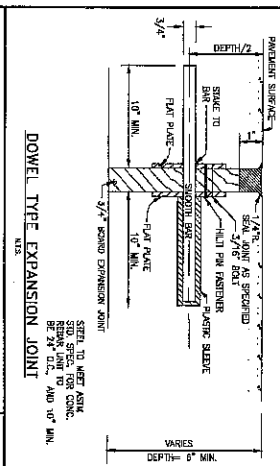
1. FOR PAVT DEPTHS OF 6" & 7" USE 1/2" DEFORMED BARS, 24" O.C., 10" LAPs. ALL REINFORCING STEEL SHALL CONFORM TO A.S.T.M. NO. A-15-54F AND A-505-53T. LAP SPICES TO BE A MINIMUM OF 10 INCHES. STAGGER SPICES IN ADJACENT BARS.



ALL NEW CURB REQUIRES 3,500 P.S.I. @ 28-DAYS, AND A MINIMUM OF 1-LB/CY OF APPROVED POLYPROPYLENE FIBER MESH.

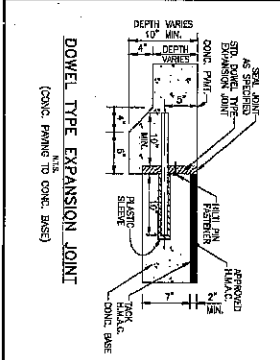
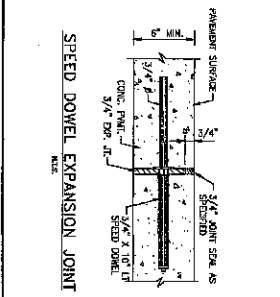


PAVEMENT

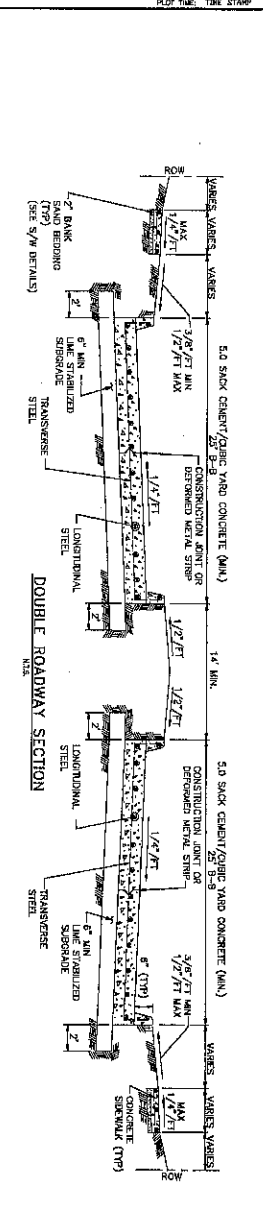


DOWEL LIFE EXPANSION JOINT

MIS.

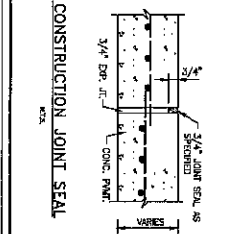
[illegible]

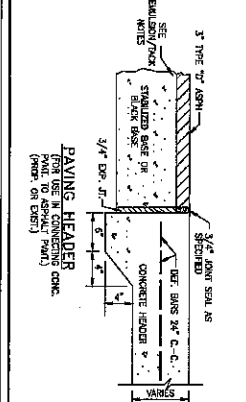
1000



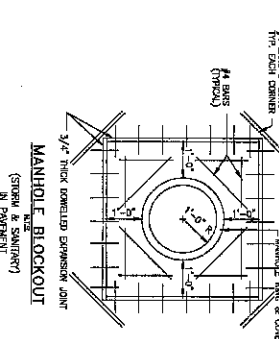
M.T.S.

(SEE 3/W DETAILS)

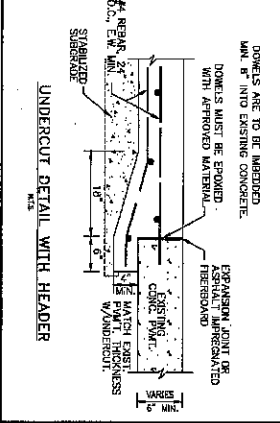
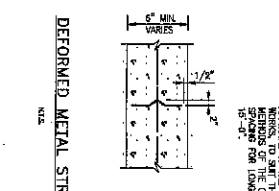




Wiederholungsfragen



PLT2
(STORM & SANITARY)
IN PAYMENT



100

[illegible]

CONSTRUCTION NOTES:

[illegible]

APPROVED: M. J. B. J.
DEVELOPMENT COORDINATOR

DATE: 12/8/11

August 18, 2018
STAFF HOUSE
C5.13

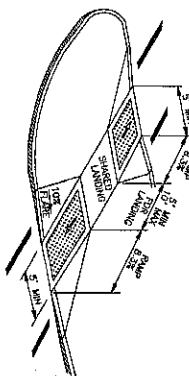
The Huntington
At Sienna Ranch
Senior Independent Living
Missouri City, Texas

**Kelly R. Kaluza
& Associates, Inc.**
CONSULTING ENGINEERS & SURVEYORS
ENGINEERING FIRM No. F-1389
SURVEYING FIRM No. 10010000
8014 AVENUE I
HOUSTON, TEXAS 77071
DU 5-1111

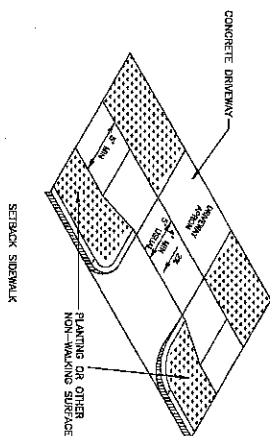


BL001 546- THE STAND

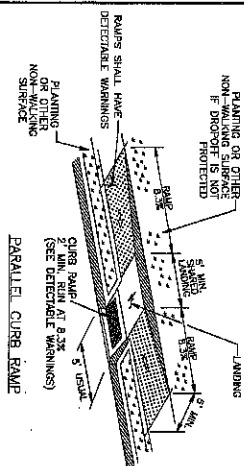
CURB RAMPS AT MEDIAN ISLANDS



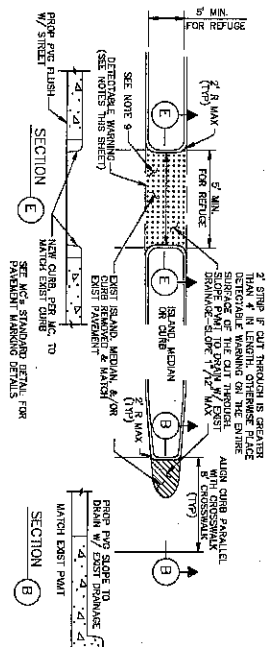
SIDEWALK TREATMENT AT DRIVEWAYS



PARALLEL CURB FRAME



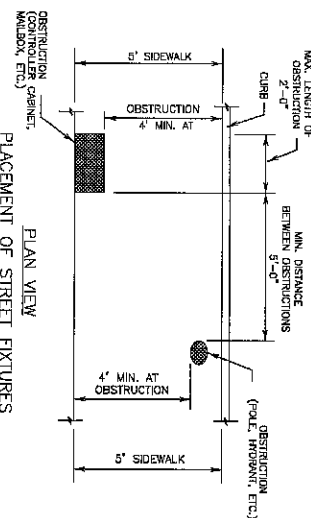
FOR ISLAND, MEDIAN, OR CURB MODIFICATIONS FOR CROSSWALKS



(CONTROLLER CABINET,
MAILBOX, ETC.)

PLAN VIEW

PLACEMENT OF STREET FIXTURES

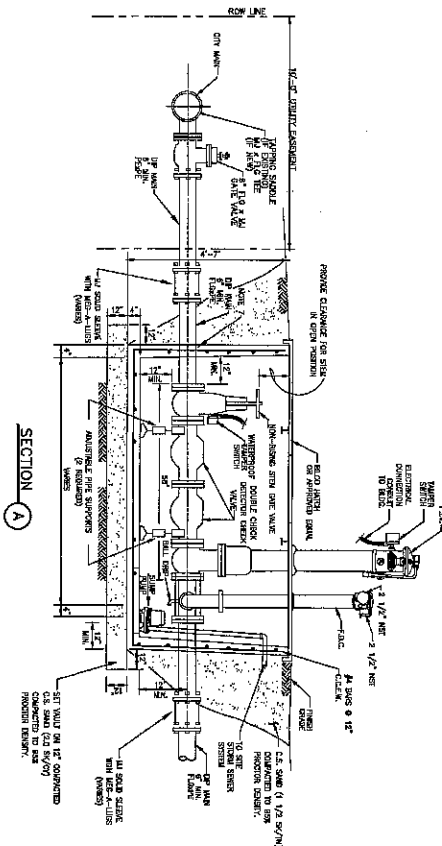


- NOTES:
1. ALL STATES AND NATIONAL AGENCIES, THE DEPT. OF JUSTICE, STATE, CITY, AND COUNTY GOVERNMENTS SHOULD BE KEPT ADVISED OF ANY CHANGES OF APPROVED SIGNATURES AS DESCRIBED.
 2. THE MINIMUM SIGNATURE SIZE IS 10 POINT. THE MINIMUM SIZE OF 8, 9, 10, 11, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100, 102, 104, 106, 108, 110, 112, 114, 116, 118, 120, 122, 124, 126, 128, 130, 132, 134, 136, 138, 140, 142, 144, 146, 148, 150, 152, 154, 156, 158, 160, 162, 164, 166, 168, 170, 172, 174, 176, 178, 180, 182, 184, 186, 188, 190, 192, 194, 196, 198, 200, 202, 204, 206, 208, 210, 212, 214, 216, 218, 220, 222, 224, 226, 228, 230, 232, 234, 236, 238, 240, 242, 244, 246, 248, 250, 252, 254, 256, 258, 260, 262, 264, 266, 268, 270, 272, 274, 276, 278, 280, 282, 284, 286, 288, 290, 292, 294, 296, 298, 300, 302, 304, 306, 308, 310, 312, 314, 316, 318, 320, 322, 324, 326, 328, 330, 332, 334, 336, 338, 340, 342, 344, 346, 348, 350, 352, 354, 356, 358, 360, 362, 364, 366, 368, 370, 372, 374, 376, 378, 380, 382, 384, 386, 388, 390, 392, 394, 396, 398, 400, 402, 404, 406, 408, 410, 412, 414, 416, 418, 420, 422, 424, 426, 428, 430, 432, 434, 436, 438, 440, 442, 444, 446, 448, 450, 452, 454, 456, 458, 460, 462, 464, 466, 468, 470, 472, 474, 476, 478, 480, 482, 484, 486, 488, 490, 492, 494, 496, 498, 500, 502, 504, 506, 508, 510, 512, 514, 516, 518, 520, 522, 524, 526, 528, 530, 532, 534, 536, 538, 540, 542, 544, 546, 548, 550, 552, 554, 556, 558, 560, 562, 564, 566, 568, 570, 572, 574, 576, 578, 580, 582, 584, 586, 588, 590, 592, 594, 596, 598, 600, 602, 604, 606, 608, 610, 612, 614, 616, 618, 620, 622, 624, 626, 628, 630, 632, 634, 636, 638, 640, 642, 644, 646, 648, 650, 652, 654, 656, 658, 660, 662, 664, 666, 668, 670, 672, 674, 676, 678, 680, 682, 684, 686, 688, 690, 692, 694, 696, 698, 700, 702, 704, 706, 708, 710, 712, 714, 716, 718, 720, 722, 724, 726, 728, 730, 732, 734, 736, 738, 740, 742, 744, 746, 748, 750, 752, 754, 756, 758, 760, 762, 764, 766, 768, 770, 772, 774, 776, 778, 780, 782, 784, 786, 788, 790, 792, 794, 796, 798, 800, 802, 804, 806, 808, 810, 812, 814, 816, 818, 820, 822, 824, 826, 828, 830, 832, 834, 836, 838, 840, 842, 844, 846, 848, 850, 852, 854, 856, 858, 860, 862, 864, 866, 868, 870, 872, 874, 876, 878, 880, 882, 884, 886, 888, 890, 892, 894, 896, 898, 900, 902, 904, 906, 908, 910, 912, 914, 916, 918, 920, 922, 924, 926, 928, 930, 932, 934, 936, 938, 940, 942, 944, 946, 948, 950, 952, 954, 956, 958, 960, 962, 964, 966, 968, 970, 972, 974, 976, 978, 980, 982, 984, 986, 988, 990, 992, 994, 996, 998, 1000, 1002, 1004, 1006, 1008, 1010, 1012, 1014, 1016, 1018, 1020, 1022, 1024, 1026, 1028, 1030, 1032, 1034, 1036, 1038, 1040, 1042, 1044, 1046, 1048, 1050, 1052, 1054, 1056, 1058, 1060, 1062, 1064, 1066, 1068, 1070, 1072, 1074, 1076, 1078, 1080, 1082, 1084, 1086, 1088, 1090, 1092, 1094, 1096, 1098, 1100, 1102, 1104, 1106, 1108, 1110, 1112, 1114, 1116, 1118, 1120, 1122, 1124, 1126, 1128, 1130, 1132, 1134, 1136, 1138, 1140, 1142, 1144, 1146, 1148, 1150, 1152, 1154, 1156, 1158, 1160, 1162, 1164, 1166, 1168, 1170, 1172, 1174, 1176, 1178, 1180, 1182, 1184, 1186, 1188, 1190, 1192, 1194, 1196, 1198, 1200, 1202, 1204, 1206, 1208, 1210, 1212, 1214, 1216, 1218, 1220, 1222, 1224, 1226, 1228, 1230, 1232, 1234, 1236, 1238, 1240, 1242, 1244, 1246, 1248, 1250, 1252, 1254, 1256, 1258, 1260, 1262, 1264, 1266, 1268, 1270, 1272, 1274, 1276, 1278, 1280, 1282, 1284, 1286, 1288, 1290, 1292, 1294, 1296, 1298, 1300, 1302, 1304, 1306, 1308, 1310, 1312, 1314, 1316, 1318, 1320, 1322, 1324, 1326, 1328, 1330, 1332, 1334, 1336, 1338, 1340, 1342, 1344, 1346, 1348, 1350, 1352, 1354, 1356, 1358, 1360, 1362, 1364, 1366, 1368, 1370, 1372, 1374, 1376, 1378, 1380, 1382, 1384, 1386, 1388, 1390, 1392, 1394, 1396, 1398, 1400, 1402, 1404, 1406, 1408, 1410, 1412, 1414, 1416, 1418, 1420, 1422, 1424, 1426, 1428, 1430, 1432, 1434, 1436, 1438, 1440, 1442, 1444, 1446, 1448, 1450, 1452, 1454, 1456, 1458, 1460, 1462, 1464, 1466, 1468, 1470, 1472, 1474, 1476, 1478, 1480, 1482, 1484, 1486, 1488, 1490, 1492, 1494, 1496, 1498, 1500, 1502, 1504, 1506, 1508, 1510, 1512, 1514, 1516, 1518, 1520, 1522, 1

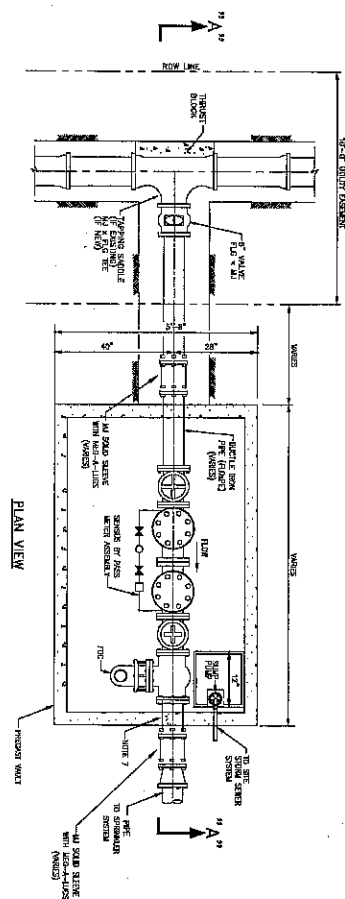
[illegible]

FLIGHT TIME: TIME STAMP

TYPICAL FIRE SERVICE METER



TYPICAL FIRE SERVICE METER



1. FIVE (5) INCHES REQUIRED WHEN 30 INCHES FEET OF THE PUMP REMOVED
2. PUMP MAY BE SUBSTITUTED FOR 30 INCHES OF WATER ON THE CUSTOMER SIDE, SUPPLIED BY PARK ROADSIDE COMPANY, OR APPROVED EQUIV.
3. ALL THE REMOVED MATERIAL MUST BE DEPOSITED WITH A PUMP PUMP COARSE OR SANDWICH WITH LABELS FROM THE CENTER LINE OF THE
4. SAND PUMP WATER SHALL BE CONFINED TO THE SAME SAND SPOT ON THE
5. ALL CONCRETE SHALL BE REMOVED IN ACCORDANCE WITH 874.13 STANDARDS
6. REPAIR TO ORIGINAL CONDITION OF SPACEDER STRUCTURE.
7. AFTER THE JOB, WINDS, WATER, LANE AND OTHER STREET BOUNDS.
8. ALL THE JOB, THE OPERATIONS SHALL BE MADE WITH A GUY IN PLACE, WILL START
9. AS APPROVED BY THE CITY OF MISSOURI CITY DEPARTMENT OF PUBLIC WORKS
10. BECAUSE OF THE WILL BEING A WORKMAN OR USING MODERN METHODS WILL
11. BE ALLOWED.

APPROVED: Mari D
IDENTIFICATION COORDINATOR
DATE: 12/8/16

[illegible]

C5.16

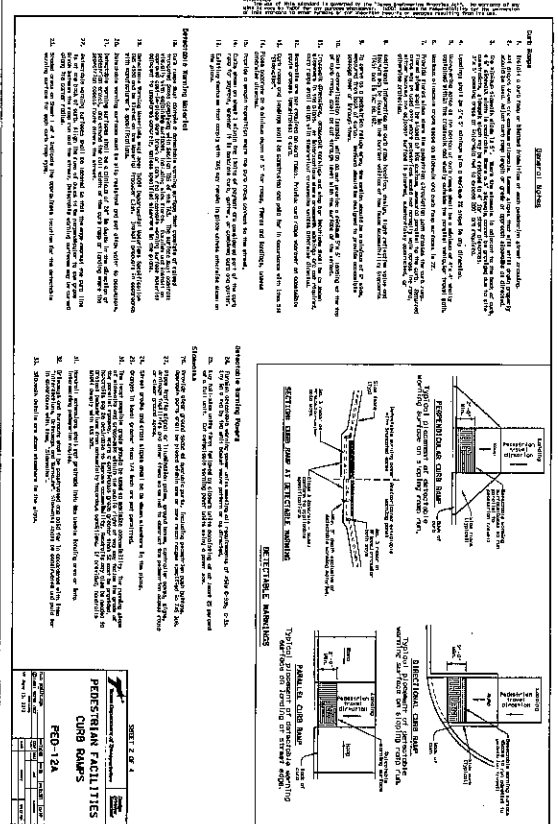
August 12, 1961

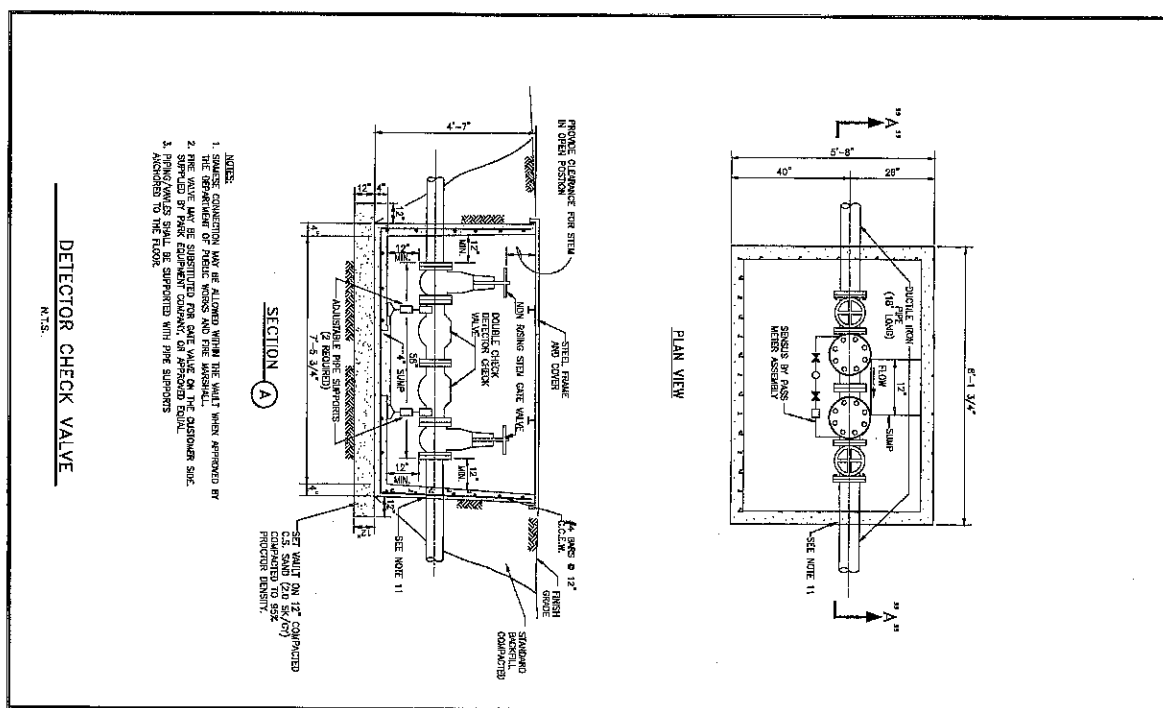
**CONSTRUCTION
DETAILS**

The Huntington
At Sienna Ranch
Senior Independent Living
Missouri City, Texas

**Kelly R. Kaluza
& Associates, Inc.**
CONSULTING ENGINEERS & SURVEYORS
ENGINEERING FIRM No. F-1255
SURVEYING FIRM No. 10016000
3014 AVENUE I
ROSENBERG, TEXAS 77471
PH.281.941.0000 FAX.281.941.0333

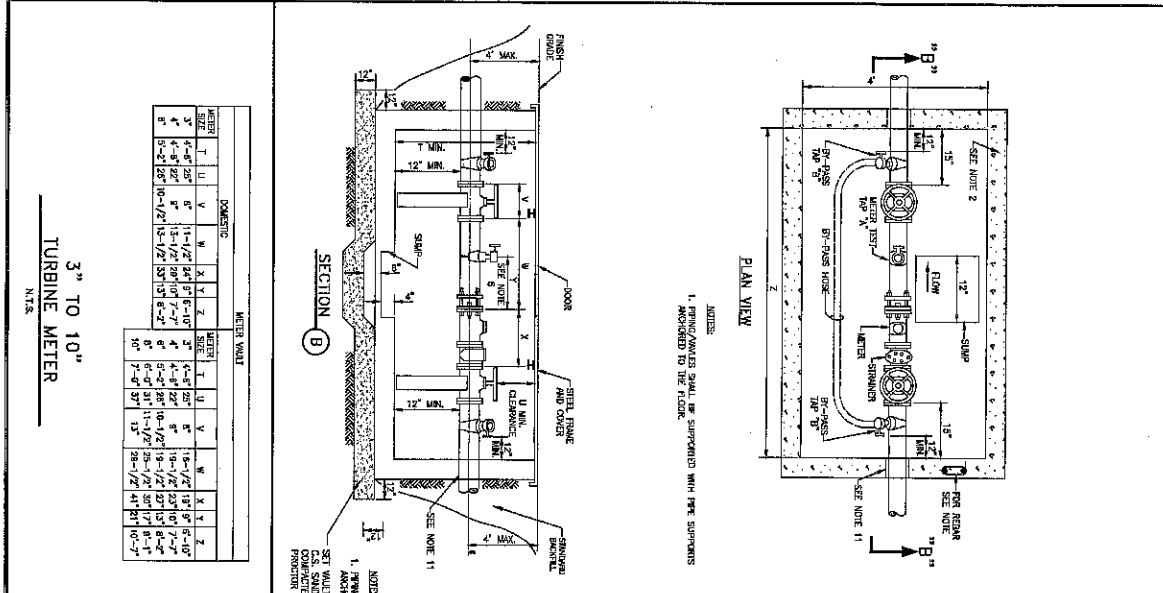






DETECTOR CHECK VALVE

N.T.S.



3" TO 10" TURBINE METER

N.T.S.

METER WALT		METER WALT	
SIZE	WALT	SIZE	WALT
3"	1-1/2"	4"	1-1/2"
4"	1-1/2"	6"	1-1/2"
6"	1-1/2"	8"	1-1/2"
8"	1-1/2"	10"	1-1/2"
10"	1-1/2"	12"	1-1/2"
12"	1-1/2"	14"	1-1/2"
14"	1-1/2"	16"	1-1/2"
16"	1-1/2"	18"	1-1/2"
18"	1-1/2"	20"	1-1/2"
20"	1-1/2"	22"	1-1/2"
22"	1-1/2"	24"	1-1/2"
24"	1-1/2"	26"	1-1/2"
26"	1-1/2"	28"	1-1/2"
28"	1-1/2"	30"	1-1/2"

REPAIR NO.

GENERAL NOTES

APPROVED: *[Signature]*
 DATE: 12/16/16
 SUBMITTAL COORDINATOR

MO-13-15
 12/16/16

CONSTRUCTION
 DETAILS

The Huntington
 At Sierra Ranch
 Senior Independent Living
 Missouri City, Texas

Kelly R. Kaluza & Associates, Inc.
 CONSULTING ENGINEERS & SURVEYORS
 10000 N. DALLAS AVE. SUITE 100
 DALLAS, TEXAS 75243
 (214) 343-1111



The Huntington
At Sienna Ranch
Senior Independent Living
Missouri City, Texas

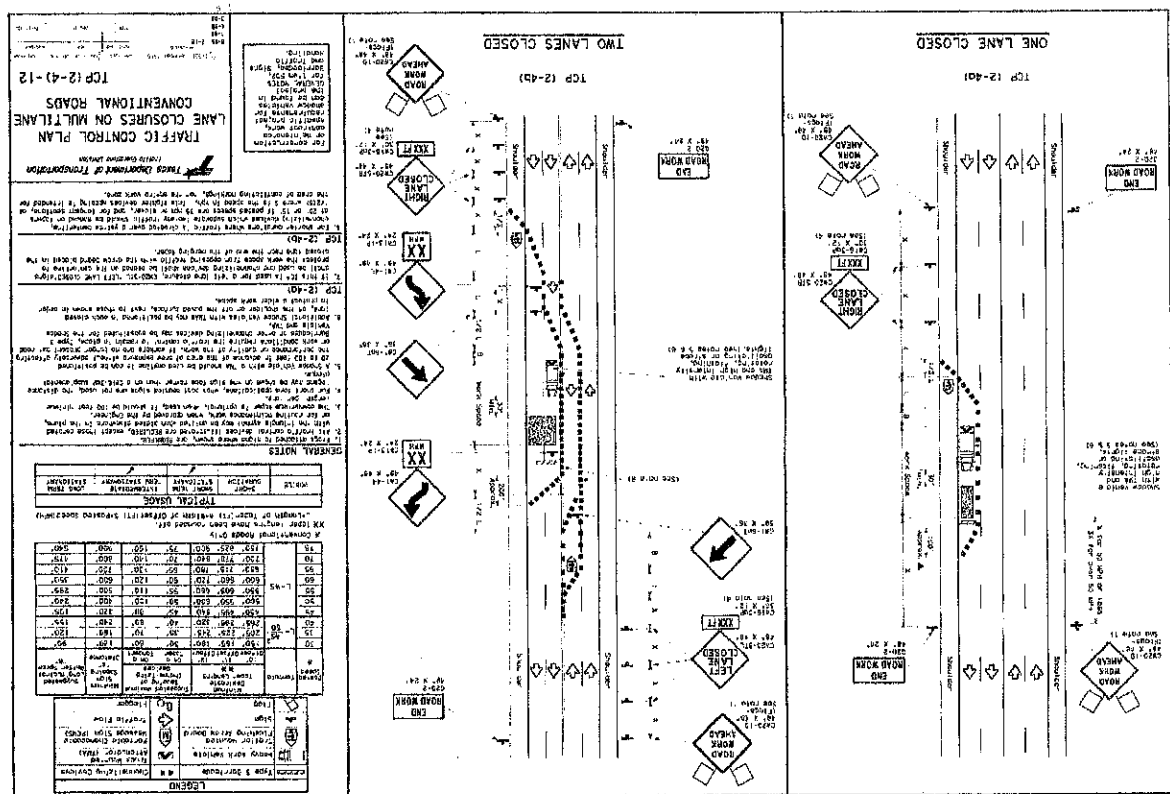
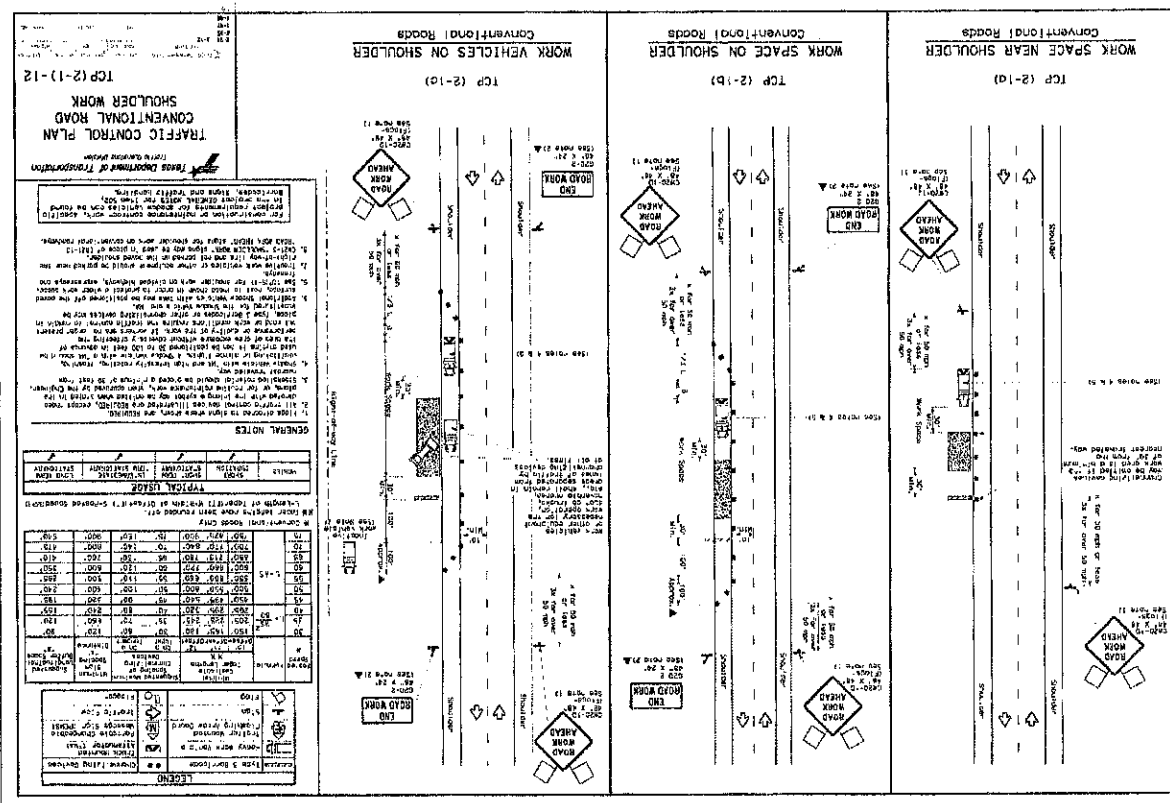
**Kelly R. Kaluza
& Associates, Inc.**
CONSULTING ENGINEERS & SURVEYOR
ENGINEERING FIRM No. F-1339
SURVEYING FIRM No. 10010000
3004 AVENUE I
ROSENBERG, TEXAS 77471
PH 281.341.0808 FAX 281.341.6533

PROJECT NUMBER

SKIN CARE



EVER

[illegible]

14-00000
This report is for the use of the recipient only. It is not to be distributed to other groups or for information purposes. It is not to be used for any other purpose.

