

**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: 2017-11309

Applicant: U.S. Builders, L.P. / CSF CONSULTING, LP

Job Location Site: 9107 FM 723, RICHMOND, TX 77469

Bond No. [REDACTED] **Date of Bond:** 1/9/2017 **Amount:** \$5,000.00

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

Notes:

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

On this 24th day of January, 2017, Upon Motion of Commissioner Meyers, seconded by Commissioner Morales, 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

County Engineer

Date Recorded 2-1-17 Comm. Court No. 151

N/A

By:

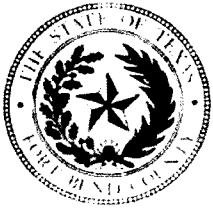
Drainage District Engineer/Manager

Clerk of Commissioners Court

By:

Andrea W. Ellis

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@fortbendcountytx.gov

- ☐ Right of Way Permit
☒ Commercial Driveway Permit

Permit No: 2017-11309

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: [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. Al

Permit Administrator

Date

**PERFORMANCE BOND COVERING ALL CABLE, CONDUIT AND/OR POLE LINE
ACTIVITY IN, UNDER, ACROSS OR ALONG FORT BEND COUNTY ROADS
AUTHORIZED**

BOND NO. [REDACTED]

THE STATE OF TEXAS §

COUNTY OF FORT BEND §

KNOW ALL MEN BY THESE PRESENTS:

THAT WE, U.S. Builders, L.P. whose address is 7600 San Felipe Houston, TX 77063, Texas, hereinafter called the Principal, and SureTec 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 1330 Post Oak Blvd., Suite 1100 Houston, TX 77056, whose officer residing in the State of Texas, authorized to accept service in all suits and actions brought within said State is Steven D. Nelson and whose address is 9737 Great Hills Trail, Suite 320, Austin, TX 78759, hereinafter called the Surety, are 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 (\$ 5,000.00) 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 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;

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 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 9th day of January, 2017.



CCM 1-24-17 #151
Fort Bend County Clerk
Return Admin Serv Coord RAC

U.S. Builders, L.P.
PRINCIPAL [Signature]
BY
SureTec Insurance Company
SURETY [Signature]
BY Anne Tiemeyer, Attorney in Fact

<p>SureTec Insurance Company THIS BOND RIDER CONTAINS IMPORTANT COVERAGE INFORMATION</p>
--

Statutory Complaint Notice/Filing of Claims

To obtain information or make a complaint: You may call the Surety's toll free telephone number for information or to make a complaint or file a claim at: 1-866-732-0099. You may also write to the Surety at:

SureTec Insurance Company
9737 Great Hills Trail, Suite 320
Austin, Tx 78759

You may contact the Texas Department of Insurance to obtain information on companies, coverage, rights or complaints at 1-800-252-3439. You may write the Texas Department of Insurance at

PO Box 149104
Austin, TX 78714-9104
Fax#: 512-490-1007
Web: <http://www.tdi.state.tx.us>
Email: ConsumerProtection@tdi.texas.gov

PREMIUM OR CLAIM DISPUTES: Should you have a dispute concerning your premium or about a claim, you should contact the Surety first. If the dispute is not resolved, you may contact the Texas Department of Insurance.

SureTec Insurance Company

LIMITED POWER OF ATTORNEY

Know All Men by These Presents, That SURETEC INSURANCE COMPANY (the "Company"), a corporation duly organized and existing under the laws of the State of Texas, and having its principal office in Houston, Harris County, Texas, does by these presents make, constitute and appoint

Anne Tiemeyer

its true and lawful Attorney-in-fact, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver any and all bonds, recognizances, undertakings or other instruments or contracts of suretyship to include waivers to the conditions of contracts and consents of surety for:

Principal: U.S. Builders, L.P.
Obligee: Fort Bend County Judge
Amount: \$ 5,000.00

and to bind the Company thereby as fully and to the same extent as if such bond were signed by the President, sealed with the corporate seal of the Company and duly attested by its Secretary, hereby ratifying and confirming all that the said Attorney-in-Fact may do in the premises. Said appointment is made under and by authority of the following resolutions of the Board of Directors of the SureTec Insurance Company:

Be it Resolved, that the President, any Vice-President, any Assistant Vice-President, any Secretary or any Assistant Secretary shall be and is hereby vested with full power and authority to appoint any one or more suitable persons as Attorney(s)-in-Fact to represent and act for and on behalf of the Company subject to the following provisions:

Attorney-in-Fact may be given full power and authority for and in the name of and of behalf of the Company, to execute, acknowledge and deliver, any and all bonds, recognizances, contracts, agreements or indemnity and other conditional or obligatory undertakings and any and all notices and documents canceling or terminating the Company's liability thereunder, and any such instruments so executed by any such Attorney-in-Fact shall be binding upon the Company as if signed by the President and sealed and effected by the Corporate Secretary.

Be it Resolved, that the signature of any authorized officer and seal of the Company heretofore or hereafter affixed to any power of attorney or any certificate relating thereto by facsimile, and any power of attorney or certificate bearing facsimile signature or facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached. (Adopted at a meeting held on 20th of April, 1999.)

In Witness Whereof, SURETEC INSURANCE COMPANY has caused these presents to be signed by its President, and its corporate seal to be hereto affixed this 21st day of March, A.D. 2013.

SURETEC INSURANCE COMPANY

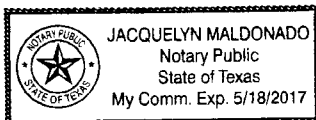
By: 
 John Knox Jr., President

State of Texas
 County of Harris

SS:



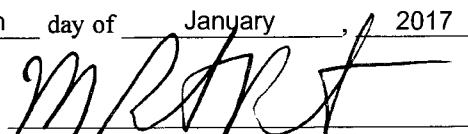
On this 21st day of March, A.D. 2013 before me personally came John Knox Jr., to me known, who, being by me duly sworn, did depose and say, that he resides in Houston, Texas, that he is President of SURETEC INSURANCE COMPANY, the company described in and which executed the above instrument; that he knows the seal of said Company; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said Company; and that he signed his name thereto by like order.




 Jacquelyn Maldonado, Notary Public
 My commission expires May 18, 2017

I, M. Brent Beaty, Assistant Secretary of SURETEC INSURANCE COMPANY, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney, executed by said Company, which is still in full force and effect; and furthermore, the resolutions of the Board of Directors, set out in the Power of Attorney are in full force and effect.

Given under my hand and the seal of said Company at Houston, Texas this 9th day of January, 2017, A.D.


 M. Brent Beaty, Assistant Secretary

Any instrument issued in excess of the penalty stated above is totally void and without any validity.
 For verification of the authority of this power you may call (713) 812-0800 any business day between 8:00 am and 5:00 pm CST.

FILED AND RECORDED
OFFICIAL PUBLIC RECORDS

Laura Richard

Laura Richard, County Clerk
Fort Bend County, Texas



January 30, 2017 09:55:04 AM

FEE: \$0.00 TS1
BOND

2017010152



5505 Brystone Drive
Houston, TX 77041
Tel: (713) 468-1480
Fax: (281) 754-4018
www.am-contractors.com

January 13, 2017

To: Mr. Cory Doornbos
U.S. Builders
7600 San Felipe
Houston, TX 77063

Project: Shoppes at Westheimer Lakes
Address: 9107 FM 723
Richmond, TX 77406

Reference: Construction & Lane Closure

Mr. Doornbos,

I want to inform you that for the construction duration of the reference project, we, A&M Contractors, will have all equipment and machines to be placed within the private property limit, and NO machines or equipment will be placed in public area or right-of-way. Moreover, we will NOT close any lane(s) on the public road(s) during the construction of the referenced project. All work will be handled from within the private property limit. Furthermore, we will take all proper measures to prevent people or vehicles from entering the driveway until it's ready for such purpose.

If you have any questions or concern about the above issue, please feel free to contact me or our office.

Respectfully,

Mohammad Yousef

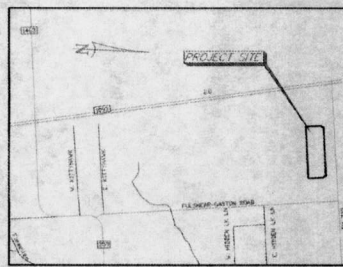
A handwritten signature in black ink that reads 'Mohammad Yousef'.

Project Manager

THE SHOPPES AT WESTHEIMER LAKES

9107 & 9111 FM 723
RICHMOND, TEXAS 77406
FORT BEND COUNTY
MUNICIPAL UTILITY DISTRICT NO. 142


CONSTRUCTION PLANS FOR NEW 7-INCH CONCRETE DRIVE ALONG TRINITY WOODS CROSSING



VICINITY MAP

SHEET INDEX

NO.	DESCRIPTION
1	C.000-COVER SHEET
2	C.002-SWPPP & DETAILS
3	C.003-CIVIL SITE PLAN
4	C.004-DRAINAGE AREA MAP
5	C.005-PAVING PLAN & DETAILS

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

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN
BASED ON INFORMATION PROVIDED ON SURVEY. THE CONTRACTOR
SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING
UTILITIES BEFORE COMMENCING WORK.

CSF Consulting, LP

11301 FALLBROOK DR., STE 320
HOUSTON, TX 77065
PH: (832)678-2110
TX FIRM NUMBER: F-4395
CSF PROJECT NO. 2877



FORT BEND COUNTY ENGINEER

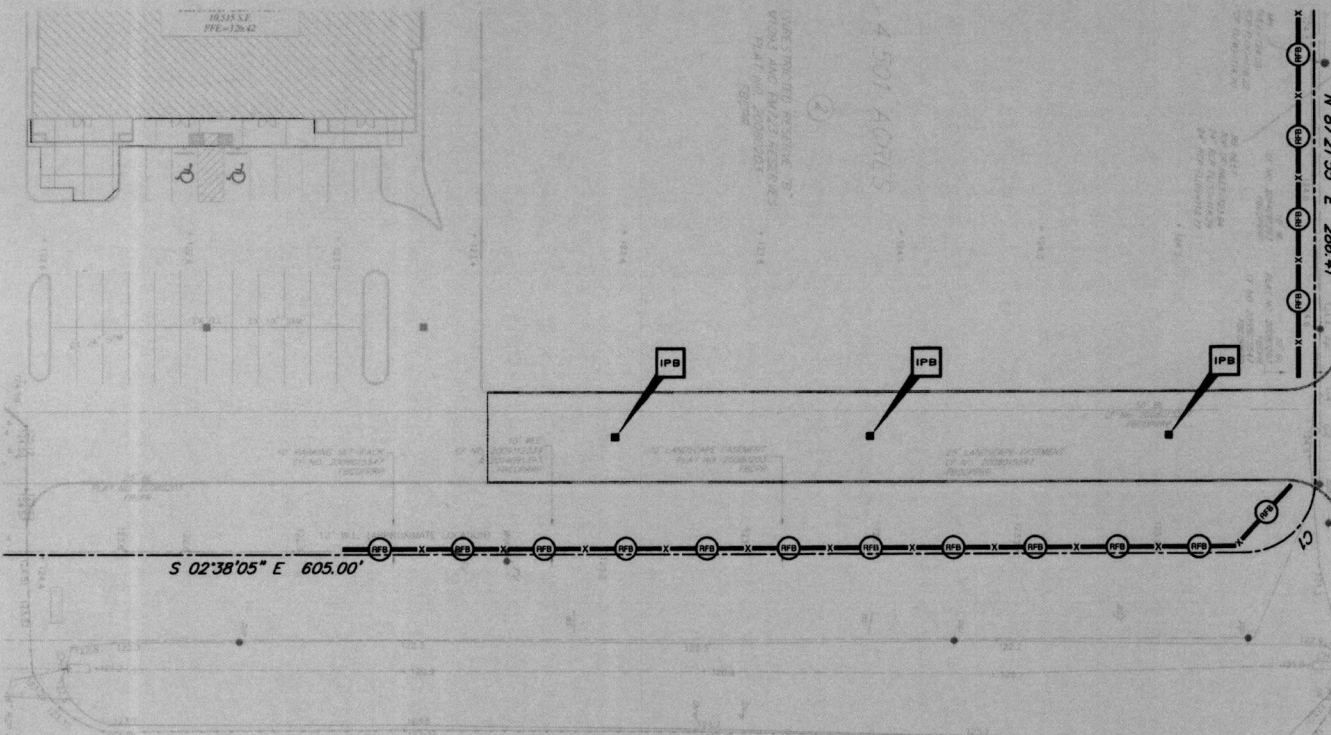
ENGINEER: Neil J. Stagle, II, PTOE
 For Richard W. Stolle, P.E.

DATE: 1/4/17

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

APPROVED: Cassandra J. [Signature]
for Development Coordinator

DATE: 1-4-2017



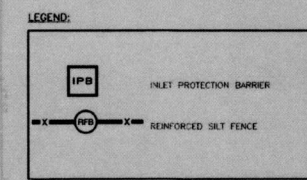
TRINITY WOODS CROSSING
(WIDTH VARIES)

BENCHMARK
FORT BEND COUNTY MONUMENT (BM) LOCATED AT THE NORTHWEST CORNER INTERSECTION OF CANYON FIELDS DRIVE AND LAVERGNE DRIVE
ELEV=125.83 FEET (NAD 83)

TEMPORARY "A" BENCHMARK
SQUARE CUT ON A CONC. HEADWALL SOUTH OF TRINITY WOODS CROSSING
ELEV=123.22 (NAD 83)

TEMPORARY "B" BENCHMARK
SQUARE CUT ON A CONC. HEADWALL ALONG ENTRANCE DRIVE NORTH CULVERT
ELEV=122.95 (NAD 83)

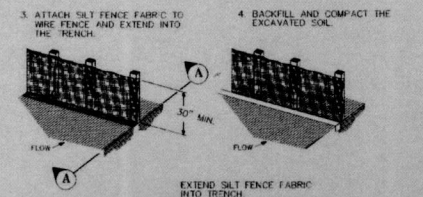
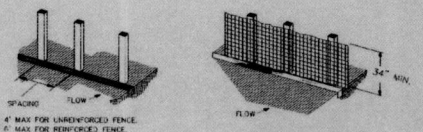
FLOODPLAIN INFORMATION
THIS SITE LIES IN AN SHARED ZONE "X", AN AREA DETERMINED TO BE OUTSIDE THE 100-YEAR FLOODPLAIN, AS SHOWN ON FEMA FLOOD INSURANCE RATE MAP NUMBER 48157C100A, DATED APRIL 2, 2014.



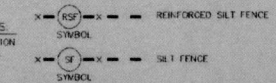
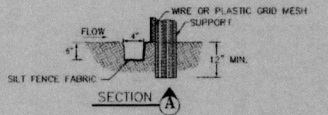
- SWP'S NOTES**
1. REFERENCE SHEET "C-004" FOR STORM WATER POLLUTION PREVENTION STANDARD DETAILS.
 2. EXECUTION AND CONSTRUCTION METHODS FOR STORM WATER POLLUTION PREVENTION PLAN SHALL BE IN CONFORMANCE WITH THE STORM WATER MANAGEMENT HANDBOOK FOR CONSTRUCTION ACTIVITIES BY HARRIS COUNTY/HARRIS COUNTY FLOOD CONTROL DISTRICT AND CITY OF HOUSTON.
 3. CONTRACTOR SHALL PROVIDE STABILIZED CONSTRUCTION EXIT AT A LOCATION APPROVED BY OWNER. THE MINIMUM S.E. REQUIRED TO KEEP STREET CLEAN AND FREE OF MUD CARRIED BY CONSTRUCTION VEHICLES SHALL BE UTILIZED.
 4. SEDIMENT CONTROL DEVICES SHALL BE INSTALLED PRIOR TO DISTURBING UPSTREAM AREAS AND SHALL REMAIN UNTIL PERMANENT SOIL STABILIZATION/COVER IS IN PLACE.
 5. CONTRACTOR SHALL PROTECT ALL STORM SEWER INLETS WITH INLET PROTECTION BARRIER (IPB), OR SAND BAGS.
 6. ALL NEW DEVELOPMENT AND SIGNIFICANT REDEVELOPMENT MUST SUBMIT FOR A STORM WATER QUALITY (SWQ) PERMIT FROM HARRIS COUNTY, IF ANY PORTION OR A PROJECT DRAINS DIRECTLY INTO A MUNICIPAL SEPARATED STORM SEWER SYSTEM OWNED BY HARRIS COUNTY (I.E. ROADSIDE DITCHES) AND/OR THE HARRIS COUNTY FLOOD CONTROL DISTRICT (HO-CD CHANNELS AND PONDS). COPIES OF THE SWQ PERMITS, SWP, CONSTRUCTION SITE NOTICE, AND NOTICE OF INTENT (NOI), IF REQUIRED, MUST BE SUBMITTED TO THE CITY OF HOUSTON AS PART OF THE PERMIT PROCESS.

FM 723
(WIDTH VARIES)

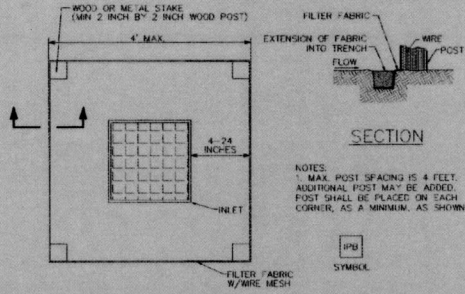
1. SET SUPPORTS AND EXCAVATE 4"± TRENCH UPSLOPE, ALONG LINE OF SUPPORTS.
2. SECURE WIRE FENCING TO SUPPORTS.



CONSTRUCTION NOTES:
SEE SPECIFICATION SECTION NO. 02361-SILT FENCES.



SILT FENCE
N.T.S.



SILT FENCE INLET SEDIMENT FILTER
N.T.S.

NOTES:
MAX. POST SPACING IS 4 FEET. ADDITIONAL POST MAY BE ADDED. POST SHALL BE PLACED ON EACH CORNER, AS A MINIMUM, AS SHOWN.

APPROVED: *Marcelo*
DATE: 11/14/16

Urban Areas Co.
COMMERCIAL & RESIDENTIAL PLANNING

CSF CONSULTING, LP.
CIVIL & STRUCTURAL & FORENSIC
ENGINEERING & SURVEYING
1117 16
1000 WEST 19TH STREET, SUITE 200
HOUSTON, TEXAS 77058
TEL: 713.866.1111
FAX: 713.866.1112
WWW.CSFCONSULTING.COM

REVISIONS:

--	--

THE SHOPS AT WESTHEIMER LAKES
NEW CONCRETE DRIVE ALONG TRINITY
WOODS CROSSING
9107 & 9111 F.M. 723
RICHMOND, TX. 77469

date: 11-17-16
drawn by: DV
checked by: CAG
file No:

content: SWPPP & DETAILS

sheet number: C.001

fax: 832-203-1674
tel: 832-274-2146
marcela@urbanareasco.com



SITE OUTFALL

N 02°38'05" W 630.00'

S 02°38'05" E 605.00'

FIG 783
(WITH VARIATIONS)

STORM SEWER DESIGN CALCULATIONS:

Q = CA

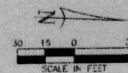
WHERE:
Q = Runoff Coefficient
Intensity (in/hr)
A = Area (acres)

$$C = \frac{1}{1 + 0.01A^{0.2}}$$

2 YEAR STORM FREQUENCY:

Intensity = 7.52"
Rainfall = 0.810"

MI From	MI To	Sub-Area (ACRES)	Additional Areas Draining Into Sub-Area (ACRES)	Sub-Runoff Coefficient C	Total Area (acres)	Sum CA	Intensity I (in/hr)	Flow (cfs)	Sum of Flows (cfs)	Time of Conc (mins)	Reach Length (feet)	Diameter (Pipe Used) (inches)	Flowline Elevation Upstream (ft)	Flowline Elevation Downstream (ft)	Slope (%)	Manholes "n"	Capacity (cfs)	Design Velocity (ft/s)	Actual Velocity (ft/s)	HYDRAULIC GRADIENT (%)	CHANGE IN HEAD (ft)	Elev Up Stream (ft)	Elev Down Stream (ft)
00-1	00-2	0.38	0.00	0.38	0.38	0.38	3.52	1.07	1.07	23.43	103.00	18.00	102.38	102.12	0.26	0.0130	0.38	2.03	2.07	0.0004	0.0076	103.76	103.76
00-2	00-3	0.38	0.00	0.38	0.38	0.38	3.52	0.96	2.03	23.31	88.00	18.00	102.12	101.86	0.26	0.0130	0.38	2.03	2.14	0.0005	0.0081	103.76	103.75
00-3	01	0.34	0.00	0.34	0.34	0.34	3.05	0.95	2.98	22.27	76.00	18.00	101.86	101.68	0.28	0.0130	0.38	2.03	3.14	0.0009	0.0094	103.75	103.66



BENCHMARK

POINT BEND COUNTY MONUMENT #99 LOCATED AT THE NORTHWEST CORNER INTERSECTION OF CANYON FIELDS DRIVE AND LAKEVIEW DRIVE
ELEV=123.83 FEET (NAVD 83)

TEMPORARY "A" BENCHMARK

SQUARE CUT ON A CONC. HEADWALL SOUTH OF TRINITY WOODS CROSSING
ELEV=122.22 (NAVD 83)

TEMPORARY "B" BENCHMARK

SQUARE CUT ON A CONC. HEADWALL ALONG ENTRANCE DRIVE NORTH CURVE
ELEV=122.98 (NAVD 83)

FLOODPLAIN INFORMATION

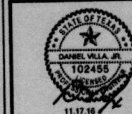
THIS SITE LIES IN UN SHOWN ZONE "X", AN AREA DETERMINED TO BE OUTSIDE THE 100 YEAR FLOODPLAIN AS SHOWN ON F.E.M.A. FLOOD INSURANCE RATE MAP NUMBER 48157C0100L, DATED APRIL 2, 2014.

LEGEND:

- DRAINAGE AREA BOUNDARY
- F2-1 0.38 --- DRAINAGE AREA NUMBER
- 1.00 --- DRAINAGE AREA (ACRES)
- 1.25 --- CUMULATIVE DRAINAGE AREA (ACRES)
- 1.25 --- CUMULATIVE 2 YEAR RUNOFF RATE (CFS)
- EXISTING DRAINAGE AREA NUMBER
- DRAINAGE AREA (ACRES)
- DESIGNED FOR CUMULATIVE DRAINAGE AREA (ACRES)
- DESIGNED FOR CUMULATIVE 2 YEAR RUNOFF RATE (CFS)

APPROVED: *Marcelo*
Development Coordinator

DATE: 12/14/16



CSF CONSULTING, L.P.
CIVIL & STRUCTURAL ENGINEERING
REGISTERED & SURVEYED

REVISIONS:

THE SHOPPES AT WESTHEIMER LAKES
NEW CONCRETE DRIVE ALONG TRINITY
WOODS CROSSING
9107 & 9111 F.M. 723
RICHMOND, TX. 77469

date:
11-17-16

drawn by:

DV

checked by:

CAG

file No:

content:

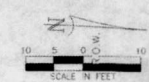
DRAINAGE AREA
MAP

sheet number:

C.003

fax: 832-203-1674
tel: 832-274-2146
marcelo@urbanareaco.com

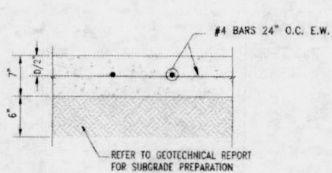
19 EQ. SPA. @ 15'-=285.00'



REMOVE/RELOCATE
GUY WIRE W/ANCHOR

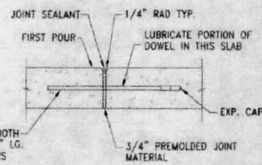
2 EQ. SPA.

R.O.W.



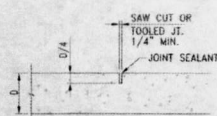
7" CONCRETE DESIGN

DATE: 1/1/17



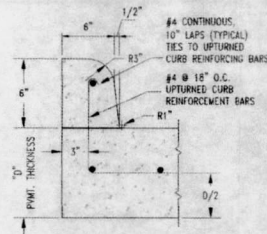
EXPANSION JOINT (EJ)

DATE: 1/1/17



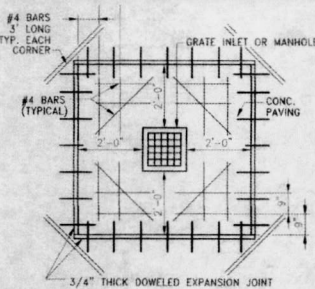
CONTROL JOINT (CJ)

DATE: 1/1/17



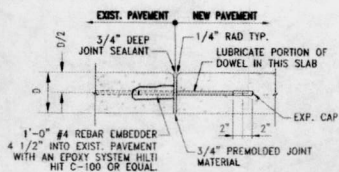
CONC. CURB & PAVING DETAIL

DATE: 1/1/17



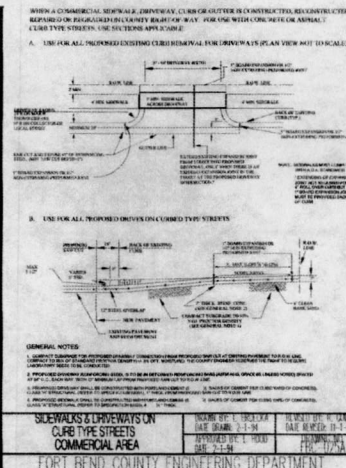
AREA GRATE INLET BLOCKOUT

DATE: 1/1/17



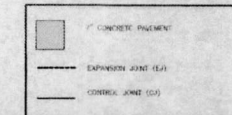
EXIST / NEW EXPANSION JT.

DATE: 1/1/17



GENERAL NOTES:
1. ALL PAVING AND SUBGRADE MATERIALS AND PROCEDURES TO BE IN CONFORMANCE WITH PROJECT SPECIFICATIONS, SOIL REPORT, DETAILS ON PLANS AND PROJECT SPECIFICATIONS.
2. CONTRACTOR SHALL CUT AND FILL SITE AS REQUIRED TO OBTAIN FINISHED ELEVATIONS SHOWN ON PLANS. COMPACT SELECTED BACKFILL TO 95% STANDARD PROCTOR DENSITY AS PER ASTM D-1557.
3. CONTRACTOR TO PROVIDE TEMPORARY MEASURES TO CONTROL STORM WATER RUN OFF DURING CONSTRUCTION AS REQUIRED TO MINIMIZE EROSION AND POLLUTION. (REF. SHEET 2 & 4)
4. CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS FROM CONTROLLING GOVERNMENTAL AGENCIES.
5. REFERENCE GEOTECHNICAL REPORT FOR PREPARATION OF THE SITE SUBGRADE.
6. REFERENCE GEOTECHNICAL REPORT FOR RECOMMENDED MINIMUM CONCRETE PAVEMENT STRENGTH @ 28 DAYS AND A MINIMUM FLEXURAL STRENGTH/MODULUS OF RUPTURE. CONCRETE AGGREGATE SHALL HAVE A MINIMUM QUANTITY OF SAND AND ONE-HALF (1-1/2) INCHES TRAFFIC SHALL BE PROHIBITED ON NEWLY CONSTRUCTED PAVEMENT. SAW CUT PAVEMENT JOINTS SHALL BE COMPLETED WITHIN 6 TO 12 HOURS AFTER CONCRETE IS PLACED.
7. CONCRETE SHALL BE CURED BY PROTECTING IT AGAINST LOSS OF MOISTURE, RAPID TEMPERATURE CHANGE, FOR AT LEAST 7 DAYS AFTER CONCRETE PLACEMENT.
8. REINFORCING STEEL SHALL BE NEW BULLETT STEEL AS FOLLOWS: REBAR SHALL CONFORM TO ASTM A615, GRADE 60 FOR ALL BARS; WELDED WIRE FABRIC SHALL CONFORM TO ASTM A615.
9. ALL PAVING SHALL BE CONSTRUCTED ON A STRAIGHT LINE GRADE BETWEEN ELEVATIONS SHOWN ON THE PLANS. CONTRACTOR SHALL CONFORM IN THE FIELD THAT ALL PAVED AREAS ARE CONSTRUCTED TO DRAIN WITHOUT HOLDING WATER.
10. ISOLATION JOINTS SHALL BE PLACED AT ALL LOCATIONS THAT SITE PAVING & SIDEWALKS ABUT TO THE BUILDING AND OTHER SITE STRUCTURES. ISOLATION JOINTS SHALL HAVE A REMOVABLE TOP STOP AND SHALL BE SEALED WITH PAVING JOINT SEALANT. (REF. SHT. 2 & 10)
11. EXIST JOINT LOCATION SHALL BE SET IN FIELD.
12. CONTRACTOR SHALL CONFORM EXISTING ELEVATIONS ADJOINING PROPOSED PAVING TO ASSURE THAT COMPLETE PAVING WILL PROPERLY DRAIN AND WILL NOT OBSTRUCT EXISTING DRAINAGE.
13. REFERENCE ARCHITECTURAL FOR SIDEWALK JOINT LAYOUT.

LEGEND:



PAVING

- PAVING AND SUBGRADE MATERIALS AND PROCEDURES TO BE IN CONFORMANCE WITH PROJECT SPECIFICATIONS, SOIL REPORT, DETAILS ON PLANS AND PROJECT SPECIFICATIONS.
- CONTRACTOR SHALL CUT AND FILL SITE AS REQUIRED TO OBTAIN FINISHED ELEVATIONS SHOWN ON PLANS. COMPACT SELECTED BACKFILL TO 95% STANDARD PROCTOR DENSITY AS PER ASTM D-1557.
- CONTRACTOR TO PROVIDE TEMPORARY MEASURES TO CONTROL STORM WATER RUN OFF DURING CONSTRUCTION AS REQUIRED TO MINIMIZE EROSION AND POLLUTION. (REF. SHEET 2 & 4)
- CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS FROM CONTROLLING GOVERNMENTAL AGENCIES.
- REFERENCE GEOTECHNICAL REPORT FOR PREPARATION OF THE SITE SUBGRADE.
- REFERENCE GEOTECHNICAL REPORT FOR RECOMMENDED MINIMUM CONCRETE PAVEMENT STRENGTH @ 28 DAYS AND A MINIMUM FLEXURAL STRENGTH/MODULUS OF RUPTURE. CONCRETE AGGREGATE SHALL HAVE A MINIMUM QUANTITY OF SAND AND ONE-HALF (1-1/2) INCHES TRAFFIC SHALL BE PROHIBITED ON NEWLY CONSTRUCTED PAVEMENT. SAW CUT PAVEMENT JOINTS SHALL BE COMPLETED WITHIN 6 TO 12 HOURS AFTER CONCRETE IS PLACED.
- CONCRETE SHALL BE CURED BY PROTECTING IT AGAINST LOSS OF MOISTURE, RAPID TEMPERATURE CHANGE, FOR AT LEAST 7 DAYS AFTER CONCRETE PLACEMENT.
- REINFORCING STEEL SHALL BE NEW BULLETT STEEL AS FOLLOWS: REBAR SHALL CONFORM TO ASTM A615, GRADE 60 FOR ALL BARS; WELDED WIRE FABRIC SHALL CONFORM TO ASTM A615.
- ALL PAVING SHALL BE CONSTRUCTED ON A STRAIGHT LINE GRADE BETWEEN ELEVATIONS SHOWN ON THE PLANS. CONTRACTOR SHALL CONFORM IN THE FIELD THAT ALL PAVED AREAS ARE CONSTRUCTED TO DRAIN WITHOUT HOLDING WATER.
- ISOLATION JOINTS SHALL BE PLACED AT ALL LOCATIONS THAT SITE PAVING & SIDEWALKS ABUT TO THE BUILDING AND OTHER SITE STRUCTURES. ISOLATION JOINTS SHALL HAVE A REMOVABLE TOP STOP AND SHALL BE SEALED WITH PAVING JOINT SEALANT. (REF. SHT. 2 & 10)
- EXIST JOINT LOCATION SHALL BE SET IN FIELD.
- CONTRACTOR SHALL CONFORM EXISTING ELEVATIONS ADJOINING PROPOSED PAVING TO ASSURE THAT COMPLETE PAVING WILL PROPERLY DRAIN AND WILL NOT OBSTRUCT EXISTING DRAINAGE.
- REFERENCE ARCHITECTURAL FOR SIDEWALK JOINT LAYOUT.



CSF CONSULTING, LP
CIVIL & STRUCTURAL ENGINEERING
1101 N. GULF SHORE BLVD., SUITE 100
HOUSTON, TEXAS 77058
TEL: 281.416.1100
FAX: 281.416.1101
WWW.CSFCONSULTING.COM

PROVISIONS:
A. 2.3.16 DEDICATED DRIVE WIDTH

THE SHOPS AT WESTHEIMER LAKES
NEW CONCRETE DRIVE ALONG TRINITY
WOODS CROSSING
9107 # 9111 F.M. 723
RICHMOND, TX. 77469

date:
11-10-16
drawn by:
DV
checked by:
CAG
file No:

content:
PAVING PLAN
&
DETAILS

sheet number:
C.004

Asandra L. B. 1/1/2017
for Development Coordinator

fax: 832-203-1674
tel: 832-274-2146
marcela@urbanareaco.com