



**REVIEW BY FORT BEND COUNTY
COMMISSIONERS COURT**

12K
**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: 2018-24007

Applicant: AAA Asphalt Paving Inc.

Job Location Site: West Airport Boulevard, Sugar Land, TX 77478

Bond No. **Date of Bond:** 10/22/2018 **Amount:** \$19,721.25

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.
4. This permit applies to work performed within right-of-ways owned and maintained by Fort Bend County only, and it is the responsibility of the applicant to acquire all other necessary permits.

On this 6th day of November, 2018, Upon Motion of Commissioner Mayers, seconded by Commissioner Patterson, 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

By:

Sean Eglinton
County Engineer

Presented to Commissioners Court and approved.

Date Recorded 11-13-2018 Comm. Court No. 12K

By:

N/A
Drainage District Engineer/Manager

Clerk of Commissioners Court

By:

Arinda Willis
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

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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: \$19,721.25
- ☐ 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.



Permit Administrator

10/30/2018

Date



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

BOND [REDACTED]

THE STATE OF TEXAS §

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF FORT BEND §

THAT WE, AAA Asphalt Paving Inc. whose (713) 896-7373
19155 Circle Lake Dr., Pinehurst, hereinafter called the Principal, and Merchants Bonding Company (Mutual), a
Corporation existing under and by virtue of the laws of the state of Iowa and authorized to do an indemnifying
business in the state of Texas, and whose principal office is located at 6700 Westown Parkway, West Des Moines, IA 50266,
whose officer residing in the State of Texas, authorized to accept service in all suits and actions brought within said state is
Corporation Service Company, CSC Lawyers Incorporating Service Company and whose address is 211 E 7th Street, Suite 620, Austin, TX 78701-3218,
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 Nineteen Thousand Seven Hundred Twenty One And Twenty Five Ht Dollars (\$19,721.25)
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 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 22nd day of October, 2018.

AAA Asphalt Paving Inc.

PRINCIPAL

BY

Merchants Bonding Company (Mutual)

SURETY

BY Misty Witt Attorney-in-Fact

CCM 11-6-2018 # 12K
Fort Bend County Clerk
Return Admin Serv Coord RAC
Permit # 2018-24007

MERCHANTS
BONDING COMPANY™
POWER OF ATTORNEY

Know All Persons By These Presents, that MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC., both being corporations of the State of Iowa (herein collectively called the "Companies") do hereby make, constitute and appoint, individually,

Misty Witt

their true and lawful Attorney(s)-in-Fact, to sign its name as surety(ies) and to execute, seal and acknowledge any and all bonds, undertakings, contracts and other written instruments 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.

This Power-of-Attorney is granted and is signed and sealed by facsimile under and by authority of the following By-Laws adopted by the Board of Directors of Merchants Bonding Company (Mutual) on April 23, 2011 and amended August 14, 2015 and adopted by the Board of Directors of Merchants National Bonding, Inc., on October 16, 2015.

"The President, Secretary, Treasurer, or any Assistant Treasurer or any Assistant Secretary or any Vice President shall have power and authority to appoint Attorneys-in-Fact, and to authorize them to execute on behalf of the Company, and attach the seal of the Company thereto, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof."

"The signature of any authorized officer and the seal of the Company may be affixed by facsimile or electronic transmission to any Power of Attorney or Certification thereof authorizing the execution and delivery of any bond, undertaking, recognizance, or other suretyship obligations of the Company, and such signature and seal when so used shall have the same force and effect as though manually fixed."

In connection with obligations in favor of the Florida Department of Transportation only, it is agreed that the power and authority hereby given to the Attorney-in-Fact includes any and all consents for the release of retained percentages and/or final estimates on engineering and construction contracts required by the State of Florida Department of Transportation. It is fully understood that consenting to the State of Florida Department of Transportation making payment of the final estimate to the Contractor and/or its assignee, shall not relieve this surety company of any of its obligations under its bond.

In connection with obligations in favor of the Kentucky Department of Highways only, it is agreed that the power and authority hereby given to the Attorney-in-Fact cannot be modified or revoked unless prior written personal notice of such intent has been given to the Commissioner-Department of Highways of the Commonwealth of Kentucky at least thirty (30) days prior to the modification or revocation.

In Witness Whereof, the Companies have caused this instrument to be signed and sealed this 22nd day of October, 2018.



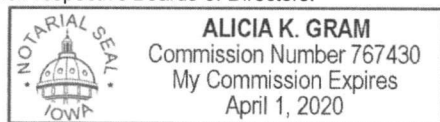
MERCHANTS BONDING COMPANY (MUTUAL)
MERCHANTS NATIONAL BONDING, INC.

By

Larry Taylor
President

STATE OF IOWA
COUNTY OF DALLAS ss.

On this this 22nd day of October, 2018, before me appeared Larry Taylor, to me personally known, who being by me duly sworn did say that he is President of MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC.; and that the seals affixed to the foregoing instrument are the Corporate Seals of the Companies; and that the said instrument was signed and sealed in behalf of the Companies by authority of their respective Boards of Directors.



Alicia K. Gram

Notary Public

(Expiration of notary's commission
does not invalidate this instrument)

I, William Warner, Jr., Secretary of MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC., 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 still in full force and effect and has not been amended or revoked.

In Witness Whereof, I have hereunto set my hand and affixed the seal of the Companies on this 22nd day of October, 2018.



William Warner Jr.
Secretary

FILED AND RECORDED
OFFICIAL PUBLIC RECORDS

Laura Richard

Laura Richard, County Clerk

Fort Bend County Texas

November 09, 2018 03:08:49 PM

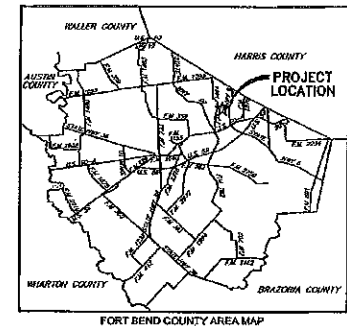
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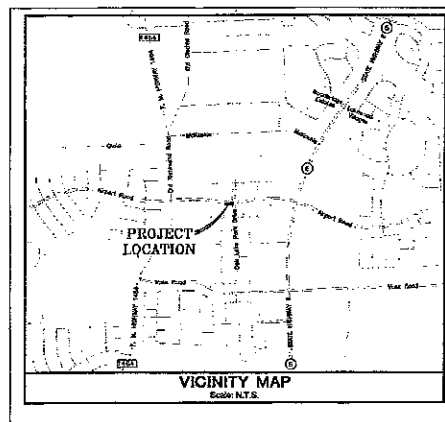


CONSTRUCTION OF WEST AIRPORT BLVD. AT OAK LAKE PARK DRIVE PAVEMENT REPAIR IN FORT BEND COUNTY, TEXAS FOR FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 41



INDEX OF DRAWINGS

SHEET No.	TITLE
1	COVER SHEET & INDEX
2	GENERAL CONSTRUCTION NOTES
3	STIC PAVEMENT REPAIR & SWPPP PLAN
4	WEST AIRPORT BLVD. PLAN & PROFILE STA 10+00-15+00
5	TRAFFIC CONTROL &
6	MISCELLANEOUS CONSTRUCTION DETAILS
7	MISCELLANEOUS CONSTRUCTION DETAILS
8	T&E CURB RAMP DETAILS PED-18
9	FORT BEND COUNTY SWPPP DETAILS



CALL BEFORE YOU DIG!!
TEXAS811 (Dig TESS)
1-800-344-3377
www.digsafer.org
LONE STAR NOTIFICATION CENTER
1-800-688-6341



JONES & CARTER, INC. PROJECT NUMBER 05321-0021-00
JULY 2018



FORT BEND COUNTY ENGINEER

ENGINEER: Andy Stangor, P.E., P.T.C.E.
Professional Engineer, P.E.

DATE: 8/17/18

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

APPROVED: [Signature]
SEWER/STORMWATER COORDINATOR

DATE: 8/17/18



FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 41
WEST AIRPORT BLVD. AT OAK LAKE PARK DRIVE PAVEMENT REPAIR

JONES & CARTER
INC.
2000 WEST AIRPORT BLVD., SUITE 100
FORT BEND COUNTY, TEXAS 77404

SHEET No.
1
OF 9

FORT BEND COUNTY GENERAL CONSTRUCTION NOTES:

NOTE: Fort Bend County Notes Supersedes Any Conflicting Notes.

1. Fort Bend County must be notified to the pre-construction meeting.
2. Contractor shall notify Fort Bend County, engineering department 48 hours prior to commencing construction and 48 hours prior to any construction activity within the limits of the paving of sidewalks/curbs/intersections.
3. Contractor is responsible for obtaining all permits required from Fort Bend County prior to commencing construction of any improvements within County road right of way.
4. All paving improvements shall be constructed in accordance with Fort Bend County Rules, Regulations and Ordinances, addition to the control and acceptance of improvements in subdivisions is currently amended.
5. All road widths, curb and gutter elevations shall be indicated on the drawings.
6. A continuous longitudinal sidewalk shall be used in the curb.
7. All concrete placement shall be 5% each cement with a minimum compressive strength of 3500 psi at 28 days.
8. Reinforcement bars shall be installed at each curb return and at a maximum spacing of 60 feet.
9. All weather access to all existing streets and driveways shall be maintained at all times.
10. 4"x12" reinforced concrete curb shall be placed in front of single family lots only, at other areas shall be 6" reinforced concrete curb.
11. All intersections including type 7 ramps shall be placed in accordance with TxDOT pre-120 standard detail sheet, A-2.1.1. Handicap ramps shall be installed with sloped paving at all intersections and comply with current ADA regulations.
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13. Only features are required as curb connections to hardware ramps, with no construction joint within 5' of ramp.
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17. The project and all parts thereof shall be subject to inspection from time to time by inspectors designated by Fort Bend County. No such inspection shall release the contractor of any of its obligations hereunder, neither shall it exempt the contractor from providing adequate drainage, signing, lighting and warning devices, etc., during construction - both day and night.
18. All R-1 stop signs shall be 30"x36" with demand grade sheeting per Texas Manual on Uniform Traffic Control Devices.
19. Street name signage shall be on a 9" high sign post with reflective green background. Street names shall be uppercase and lowercase lettering with uppercase letters 5" minimum and lowercase letters of 4.5" minimum. The letters shall be reflective white. Street name signs shall be mounted on stop sign posts.
20. A flow control reflectized button shall be placed at all fire hydrant locations. The button shall be placed 12 inches out of the center of the street on the same side as the hydrant.
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GENERAL CONSTRUCTION NOTES:

1. Wastewater collection systems, water, storm, utility signals and drainage systems shall be constructed in accordance with the following city documents, these documents are: Standard construction specifications (most recent issue July 2010) and Standard construction details for wastewater collection systems, water lines, storm drainage and street paving (most recent issue November 2006) with all subsequent amendments added thereto unless otherwise noted and approved on these plans. The design must comply with the minimum standards established in the latest issue of the "Infrastructure Design Manual" (most recent issue January 2011), note that this document and letters of capacity availability for storm, wastewater and water supply after one year and the latest edition of design rules, specifications, standard details and manuals shall govern as the basis for design. It is the responsibility of the contractor to verify that the latest issue of the most recent edition. These documents may be obtained from the City of Houston Department of Public Works, 4111 West.
2. The contractor shall be fully responsible for any and all damage to existing public or private utility lines, including but not limited to power, water, gas, wastewater collection systems, storm sewer and traffic signals during construction. If damage shall be reported to the contractor with current notices of City of Houston standard construction specifications, design details and design manuals, repairs shall be at no cost to the City of Houston.
3. Advanced, separate curb cuts, and according to be determined from approved, recorded subdivision plat or road right-of-way.
4. Placement of utilities in easements shall be governed by the "Standard 10-foot and 14-foot easements" as adopted by the utility coordinating committee for the Houston Metropolitan Area.
5. The approximate location of existing utilities are given for reference only. Before commencing the work on this project, the contractor shall verify by field investigation the actual location of all utility facilities within and adjacent to the limits of the work and may be affected by the work, conflicts which result due to negligence by the contractor to locate, identify and verify, existing utilities which are shown on the construction drawings, or which the contractor has been given notice or has knowledge, shall be the sole responsibility of the contractor. The cost of remedial work, removal of portions of the work or extensive design changes occasioned by the failure of the contractor to verify the location of existing utilities on described plans shall be borne by the contractor.
6. Contractor is to contact City limits at 713-611-1000 or 713-611-1001 for location of existing facilities that may not be shown on the plans of record. 48 hours prior to commencement of any construction activities.
7. Contractor to obtain all permits required by the "ordinances of Fort Bend County, Texas, for road plan nonconformity" prior to starting construction.
8. Contractor to obtain all permits required by Fort Bend County, Texas, prior to starting construction of utilities and/or streets within Fort Bend County limits.
9. Contractor shall comply with OSHA regulations and Texas State Law concerning trench safety systems.
10. Contractor to follow construction details if design details from City of Houston standards.
11. The contractor shall return all existing facilities to existing or better condition unless otherwise noted on the drawings.
12. Contractor shall contact Jones & Carter, Inc. at 713-777-5337 and Municipal Operations and Engineering, 4001 West, at 713-777-5337 a minimum of 48 hours before construction.
13. A notification notice issued by Fort Bend County, Public Infrastructure Engineering Department Permit Office required prior to construction of utilities or new low water within Fort Bend County right-of-way. Contact Fort Bend County Permit Office 713-611-1000.

CONCRETE CONSTRUCTION NOTES:

1. Forms may be removed after concrete has reached its initial set, but no sooner than 24 hours after the pour. Curing compounds must be applied on the forms are stripped. See Specification 3300 for more details.
2. All construction joints must have the forms removed to expose bare aggregate by bush hammering or other approved methods before starting the next pour.
3. For saw cutting through existing concrete structures, Contractor shall use cut two-holes (2") additional to all directions and joint opening to discontinue slabs on the crown. The purpose is to adequately cover and protect existing steel reinforcement.

UTILITY NOTES:

CenterPoint Energy (Gas Facilities)

CAUTION: UNDERGROUND GAS FACILITIES

- Location of CenterPoint Energy main lines (to include CenterPoint Energy, Intriguing Pipeline, LLC, where applicable) are shown in an appropriate location. Service lines are shown in an appropriate location. All other utilities are shown in an appropriate location. It does not imply that a conflict exists between the contractor and the utility. The contractor shall contact the utility company at 1-800-455-0000 or 811 a minimum of 48 hours prior to construction to have main and service lines field located.
- When CenterPoint Energy main lines are not shown, call (713) 845-8036 or (713) 845-8037 (700 a.m. to 4:30 p.m.) for utility of line location request before excavation begins.
 - When excavating within 48 inches (16") of the indicated location of CenterPoint Energy facilities, an excavation must be accomplished using non-mechanized excavation procedures.
 - When CenterPoint Energy facilities are exposed, sufficient support must be provided to the facilities to prevent excessive stress on the facility.
 - For emergencies regarding gas lines call (713) 859-3552 or (713) 207-6200.

The contractor is fully responsible for any damages caused by his failure to locate and preserve these underground facilities.

CenterPoint Energy (Electrical Lines)



WARNING: OVERHEAD ELECTRICAL LINES

- Overhead lines may exist on the property. The location of overhead lines has not been shown on these drawings. The lines are shown in an appropriate location. The contractor shall verify the location of overhead lines by field investigation. The contractor shall contact the utility company at 1-800-455-0000 or 811 a minimum of 48 hours prior to construction to have main and service lines field located.
- Any activity where power or lines may come within six (6) feet of any overhead high voltage lines; and
 - Operating a crane, derrick, power shovel, drilling rig, pile driver, hoisting equipment, or similar apparatus within ten (10) feet of any overhead high voltage lines.

Permit responsible for the work, including contractors, are legally responsible for the safety of construction workers under this law. This law covers both electrical and gas safety. It is the contractor's responsibility to be turned off or removed call CenterPoint Energy at (713) 207-2222.

ACTIVITIES ON OR ACROSS CENTERPOINT ENERGY'S OR EASEMENT PROPERTY

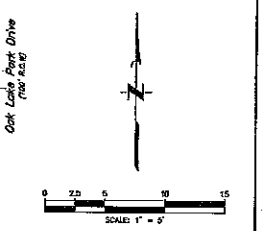
No approval (in use, cross, or occupy CenterPoint's or easement property is given. If you need to use CenterPoint property, please contact our Surveying and Right of Way Division at (713) 207-8248 or (713) 207-5709.

NO. DATE		REVISIONS	APP.
FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 41 FORT BEND COUNTY, TEXAS			
WEST AIRPORT BLVD. AT OAK LAKE PARK DRIVE PAVEMENT REPAIR			
GENERAL CONSTRUCTION NOTES			
 JONES & CARTER <small>Texas Board of Professional Engineering Examiners No. 1-499 1501 W. 19th Street, Suite 100, Houston, Texas 77019 (713) 621-6900</small>			
SCALE: As Shown	BOOK NO. 048	SHEET NO. 048	DATE: JULY 2011
JOHN L. 02-27-0001-01	DESIGN NO.	SURV. NO.	DATE: JULY 2011
ELABORATED:	DATE: JULY 2011	DATE: JULY 2011	DATE: JULY 2011
APPROVED: 		CHAD A. HERNANDEZ 91092	
DATE: 8/17/18		SHEET NO. 2 OF 8	

BENCHMARK
 BENCHMARK FOR ELEVATIONS SHOWN HEREON ARE BASED ON
 HANCOCK COUNTY RESERVE (HARRIS ROAD) MARKERS A CALLED
 ELEVATION = 918.5' HANS 48 (2001) ADJUSTMENT

T.B.M. "A"
 TEMPORARY BENCHMARK "A" IS A SET OUT SQUARE ON THE
 BUILDING OF THE EXPLORATION OF WEST AIRPORT BLVD.
 ELEVATION = 913.3'

T.B.M. "B"
 TEMPORARY BENCHMARK "B" IS A SET SQUARE ON AN INLET
 ON THE NORTH SIDE OF WEST AIRPORT BLVD. LOCATED AT
 THE WESTWEST END OF THE PROJECT (NOTES AS SHOWN)
 ELEVATION = 913.0'



**STORM WATER POLLUTION
 PROTECTION PLAN**

FF Filter Fabric Fence

IPB Inlet Protection Barrier

See Details On Sheet 7 Of This Plan Set

APPROVED: *[Signature]* PROJECT MANAGER

DATE: 8/17/18

NO.	DATE	REVISIONS	APP.
2	8/2/18	Revised To Add Elevations Per County	ECB

FORT BEND COUNTY MUNICIPAL UTILITY
 DISTRICT NO. 41
 FORT BEND COUNTY, TEXAS

**WEST AIRPORT BLVD. AT OAK LAKE PARK DRIVE
 PAVEMENT REPAIR**

**SITE PAVEMENT REPAIR
 & SWPPP PLAN**

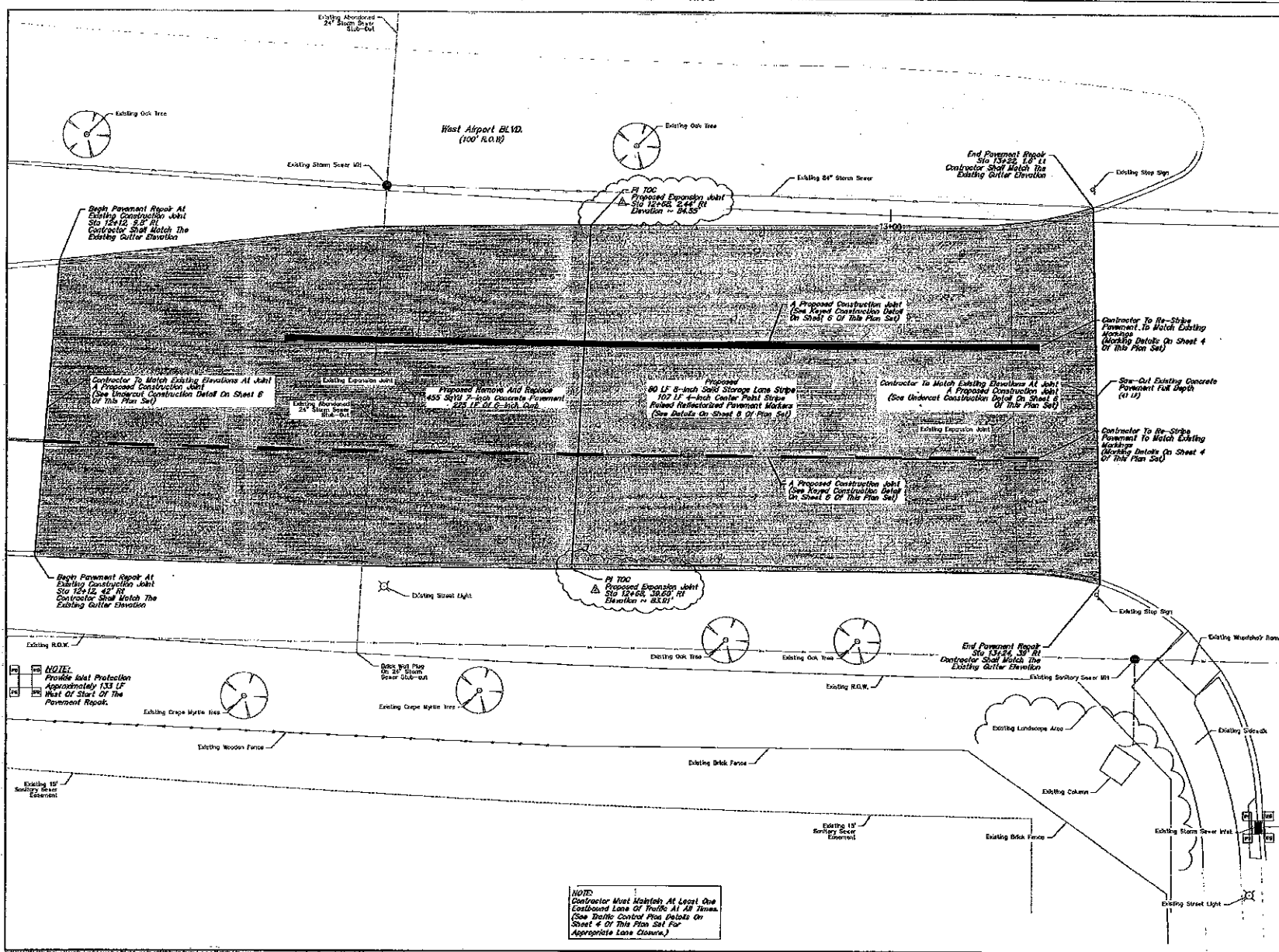
JONES CARTER
 Professional Engineer, No. 1425
 1521 W. Grand Parkway, Suite 100, Houston, Texas 77057
 281.431.1000

SCALE: 1" = 5' PLAN NO. S.P. 001
 DATE: AUGUST 2018 DATE BY: JCB
 JOB NO. 2018-0021-00 DATE BY: JCB
 DRAWN BY: JCB
 CHECKED BY: JCB
 DESIGNED BY: JCB

[Signature] 8/17/18

91092
 91092
 91092

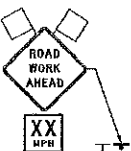
SHEET NO.
 5
 OF 6



NOTE:
 Contractor Must Maintain At Least One
 Confined Lane Of Traffic At All Times.
 (See Traffic Control Plan Details On
 Sheet 4 Of This Plan Set For
 Appropriate Lane Closure.)

CW20-1D
36" X 36"
(Flag-See Note 1)

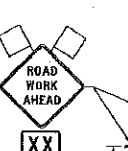
CW13-1P
24" X 24"
(See Note 2)



END
ROAD WORK
G20-2
36" X 18"

CW20-1D
36" X 36"
(Flag-See Note 1)

CW13-1P
24" X 24"
(See Note 2)



END
ROAD WORK
G20-2
36" X 18"

TRAFFIC CONTROL PLAN SECTION SHALL BE COMPLETED BY ENGINEER

ROADWAY	POSTED SPEED	TRUCK LANE	SPACE TO DISAPPEARANCE TRAFFIC	SPACE TO DISAPPEARANCE TRUCKS	SPACE TO DISAPPEARANCE TRUCKS	SPACE TO DISAPPEARANCE TRUCKS
WEST AIRPORT BLVD.	35	245'	36'	20'	160'	120'

LEGEND	
Type 2 Barrels	Overriding Vehicles
Flashing Work Vehicle	Truck (Shuttle)
Flashing Work Vehicle	Truck (Shuttle)
Flashing Work Vehicle	Truck (Shuttle)
Flashing Work Vehicle	Truck (Shuttle)
Flashing Work Vehicle	Truck (Shuttle)
Flashing Work Vehicle	Truck (Shuttle)
Flashing Work Vehicle	Truck (Shuttle)
Flashing Work Vehicle	Truck (Shuttle)
Flashing Work Vehicle	Truck (Shuttle)

Postage	Formula	Minimum Postage Type Lengths	Minimum Postage Type Lengths	Minimum Postage Type Lengths	Minimum Postage Type Lengths	Minimum Postage Type Lengths	Minimum Postage Type Lengths	Minimum Postage Type Lengths	Minimum Postage Type Lengths
35		100	100	100	100	100	100	100	100
40		100	100	100	100	100	100	100	100
45		100	100	100	100	100	100	100	100
50		100	100	100	100	100	100	100	100
55		100	100	100	100	100	100	100	100
60		100	100	100	100	100	100	100	100
65		100	100	100	100	100	100	100	100
70		100	100	100	100	100	100	100	100
75		100	100	100	100	100	100	100	100
80		100	100	100	100	100	100	100	100
85		100	100	100	100	100	100	100	100
90		100	100	100	100	100	100	100	100
95		100	100	100	100	100	100	100	100
100		100	100	100	100	100	100	100	100

- GENERAL NOTES
1. Flag standards as shown on sheet are GPC/MS.
 2. All the work shall be done in accordance with the Texas Department of Transportation (TxDOT) Standard Specifications for Road and Bridge Construction.
 3. All the work shall be done in accordance with the Texas Department of Transportation (TxDOT) Standard Specifications for Road and Bridge Construction.
 4. All the work shall be done in accordance with the Texas Department of Transportation (TxDOT) Standard Specifications for Road and Bridge Construction.
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 9. All the work shall be done in accordance with the Texas Department of Transportation (TxDOT) Standard Specifications for Road and Bridge Construction.
 10. All the work shall be done in accordance with the Texas Department of Transportation (TxDOT) Standard Specifications for Road and Bridge Construction.

DATE: _____

REVISED: _____

APPROVED: _____

FOR: FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 41

PROJECT: WEST AIRPORT BLVD. AT OAK LAKE PARK DRIVE PAVEMENT REPAIR

TRAFFIC CONTROL & MISCELLANEOUS CONSTRUCTION DETAILS

JONES CARTER

SCALE: _____

DATE: _____

JOB NO.: _____

SHEET NO.: _____

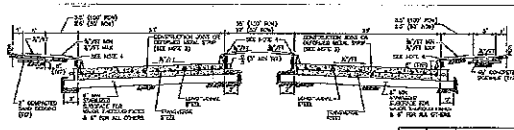
OF 5

RIGHT LANE CLOSURE (5 LANE ROAD)

RIGHT LANE CLOSURE (4 LANE BOULEVARD ROAD)

APPROVED: _____

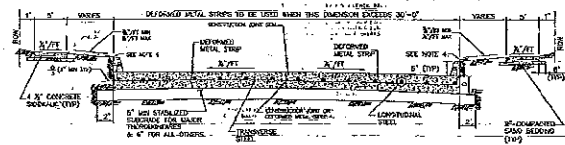
DATE: 8/17/18



TYPICAL DOUBLE ROADWAY SECTION FOR CONCRETE PAVEMENT WITH CURBS NOTES:

1. THE MAXIMUM WIDTH BETWEEN LONGITUDINAL JOINTS SHALL NOT EXCEED 40'-0".
2. ALL LATERAL AREAS ARE TO BE HYDROSEALLED UNLESS SHOWN OTHERWISE ON DRAWINGS.
3. CONCRECTOR MAY SAW CUT IN LIEU OF REINFORCED METAL STRIP.
4. USE STRIP OF 500 GRASS TO PREVENT EROSION UNTIL SEALANT OF CURBS IS ESTABLISHED.
5. ANY EQUAL OR LARGER AREA OF REINFORCED CONCRETE BAR CONFORMING TO ASTM A615, MAY BE SUBSTITUTED FOR REBAR LISTED IN TABLE 1.
6. IF AVAILABLE FOR IS NOT SUFFICIENT TO ACCOMMODATE A 6 FEET SIDEWALK, TRANSFER SHALL CROSS A TRAVEL FROM THE CITY EGRESS FOR A 4-FOOT SIDE WALK.

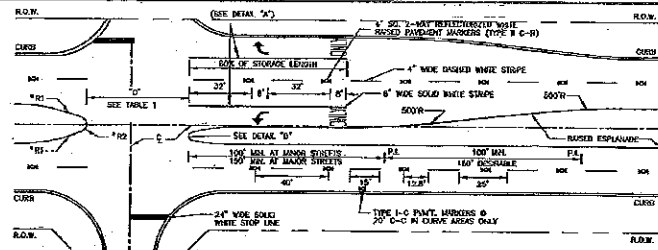
REINFORCING STEEL	NO.	SIZE	SPACING	LENGTH	WEIGHT	NO.	SIZE	SPACING	LENGTH	WEIGHT
1	1	1/2"	12"	100'	1.10	1	1/2"	12"	100'	1.10
2	1	1/2"	12"	100'	1.10	2	1/2"	12"	100'	1.10
3	1	1/2"	12"	100'	1.10	3	1/2"	12"	100'	1.10
4	1	1/2"	12"	100'	1.10	4	1/2"	12"	100'	1.10
5	1	1/2"	12"	100'	1.10	5	1/2"	12"	100'	1.10
6	1	1/2"	12"	100'	1.10	6	1/2"	12"	100'	1.10
7	1	1/2"	12"	100'	1.10	7	1/2"	12"	100'	1.10
8	1	1/2"	12"	100'	1.10	8	1/2"	12"	100'	1.10
9	1	1/2"	12"	100'	1.10	9	1/2"	12"	100'	1.10
10	1	1/2"	12"	100'	1.10	10	1/2"	12"	100'	1.10



TYPICAL SINGLE ROADWAY SECTION FOR CONCRETE PAVEMENT WITH CURBS

CITY OF HOUSTON DEPARTMENT OF PUBLIC WORKS AND ENGINEERING CONCRETE PAVEMENT DETAILS (NOT TO SCALE)

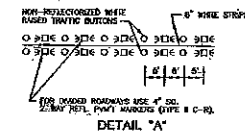
APPROVED BY: CITY ENGINEER
DIRECTOR OF PUBLIC WORKS AND ENGINEERING
OFF. DATE: NOV-04-2016 RING NO. 02751-01



TYPICAL ESPLANADE SECTION

NOTES:

1. ALL STOPPING & MARKING SHALL CONFORM WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
2. ALL TRAFFIC BARRIERS AND MARKERS SHALL BE INSTALLED ADJACENT TO STRIPES (OPTIONAL).
3. LEFT TURN STORAGE BAYS SHALL BE A MIN. OF 100' AT MINOR STREETS AND A MIN. OF 150' AT MAJOR STREETS.
4. REPEAT JOINTS AT APPROX. 1000' INTERVALS WITHIN TWO-WAY LEFT TURN SECTIONS.
5. WITHIN A JOINT SECTION THE TYPE I-C PAVEMENT MARKERS CAN BE PLACED AT 40' O-C ON ROADWAYS WITHOUT CURBS AND 50' O-C.



ESPLANADE	'R1'	'R2'
<5'	N/A	W/2
5'-35'	80'	W/2
>35'	N/A	100'

TABLE 1

TYPICAL LENGTH OF ESPLANADE OPENING "C" FOR PUBLIC STREET

ESPLANADE INTERSECTION	3RD LANE	1ST LANE	2ND LANE
UNPAVED STREET	40'	40'	40'
PAVED STREET	40'	40'	40'

- NOTES:
- (1) LEFT TURN BAY
 - (2) DISTANCE FROM CORNER OF ESPLANADE TO PAVEMENT MARKER WITH LEFT TURN BAY MUST BE 50'

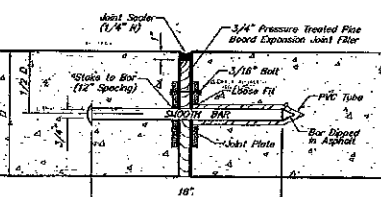
PAVEMENT MARKER LEGEND

SYMBOL	DESCRIPTION
3/4"	TWO SIDED REFLECTORIZED RAISED PAVEMENT MARKER
1/2"	ONE SIDED REFLECTORIZED PAVEMENT MARKER
1/4"	NON-REFLECTIVE 1" DIA. RAISED TRAFFIC BUTTON

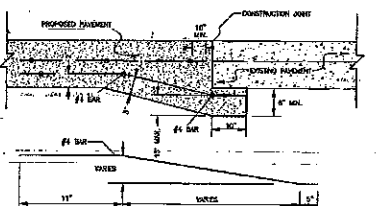
TYPICAL CURB SECTION

PAVED FROM THE BACK OF CURB TO THE OUTER LINE

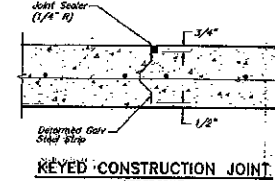
DETAIL "D"



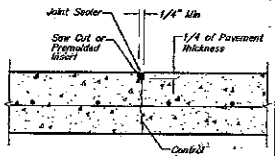
PAVEMENT EXPANSION JOINT



UNDERCUT BAR LAYOUT
PAVEMENT UNDERCUT CONSTRUCTION



KEYED CONSTRUCTION JOINT



SAW-CUT CONTROL JOINT

APPROVED: [Signature]
DATE: 11/7/16

10/ DATE: REVISIONS: APP:

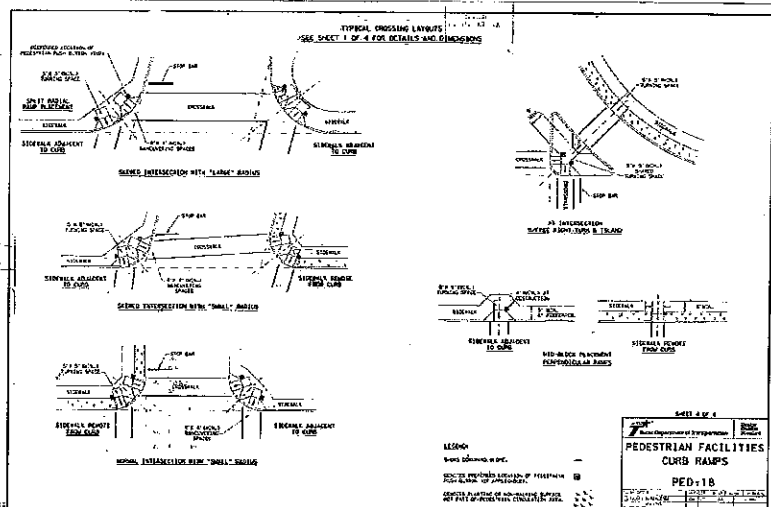
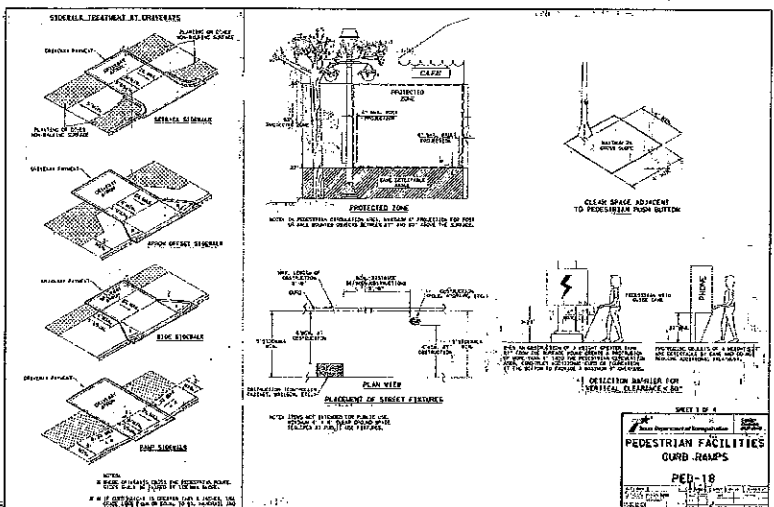
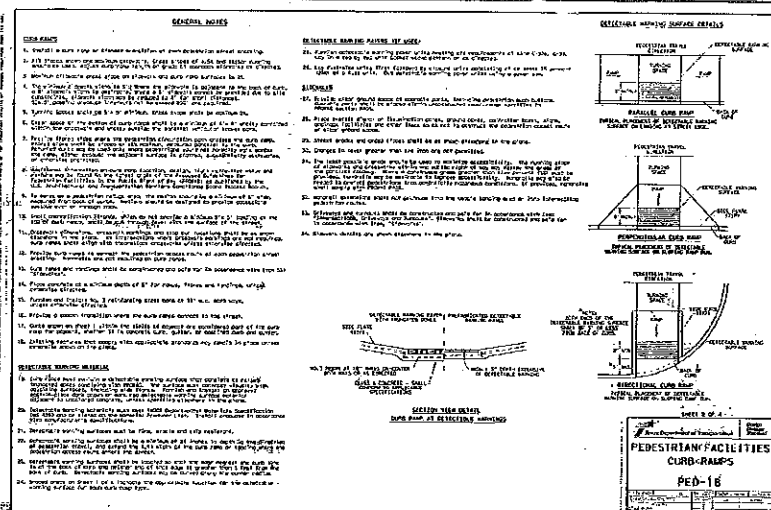
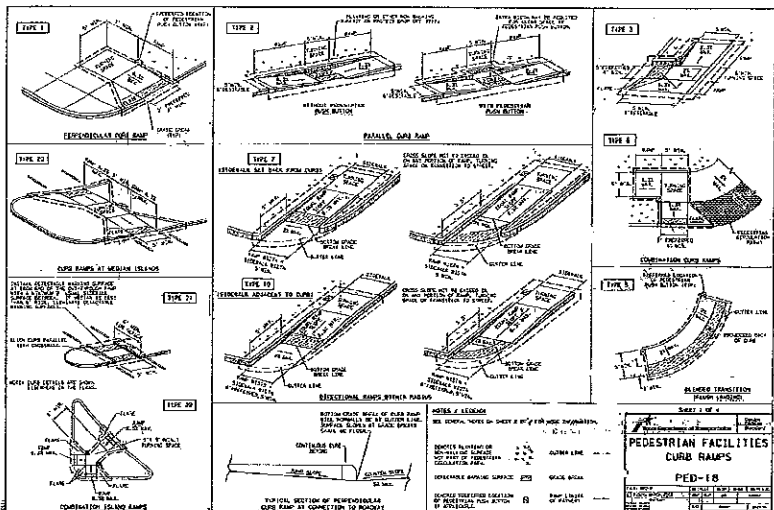
FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 41
FORT BEND COUNTY, TEXAS

WEST AIRPORT BLVD. AT OAK LAKE PARK DRIVE
PAVEMENT REPAIR

CONSTRUCTION
MISCELLANEOUS DETAILS

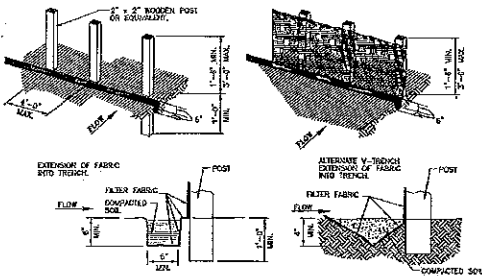
JONES CARTER
11000 North Loop West, Suite 100, Houston, Texas 77030
713.861.1400

SCALE: AS SHOWN DRAWN BY: C.B. DAVIS
DATE: JULY 2016 DWG. NO.: 1007
JOB NO.: 0631-001-02 DWG. NO.:
SUBMITTER: SURV. BY: FAX NO.:
CITY OF HOUSTON
CAND A. HERNANDEZ
11000
SHEET NO. 6 OF 6



FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 41	
FORT BEND COUNTY, TEXAS	
WEST AIRPORT BLVD. AT OAK LAKE PARK DRIVE PAVEMENT REPAIR	
CONSTRUCTION MISCELLANEOUS DETAILS	
JONES & CARTER	
2302 W. Grand Parkway, Suite 100, Houston, Texas 77058	
SCALE: AS SHOWN	DATE: JUL 2008
JOB NO. 0321-0001-00	DATE: JUL 2008
DRAWN BY: J. B. BAKER	CHECKED BY: J. B. BAKER
APPROVED: [Signature]	
DATE: 8/1/18	
SHEET NO. 7 OF 9	

1. SET POSTS AT SPACED SPACING AND DEPTH, EXCAVATE A 4" x 8" TRENCH UPSTREAM ALONG THE LINE OF POSTS.
2. ATTACH FILTER FABRIC TO POSTS AND INSTALL IT OVER THE TRENCH, EXCAVATE THE TRENCH AND COMPACT THE EXCAVATED SOIL.



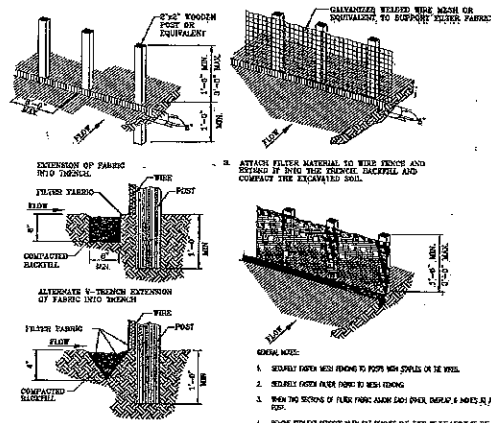
GENERAL NOTES

1. SET POSTS AT 4-6 FEET SPACING. IF EXISTING UNDESIRABLE FILL WITH SPACING BEING 4 FEET, SPACING OF POSTS MAY BE REDUCED TO 4 FEET SPACING.
2. SEAL TWO SECTIONS OF FILTER FABRIC TOGETHER WITH OVERLAP 4 INCHES AT THE POST, FILL TRENCH, AND ATTACH TO THE POST.
3. REMOVE REMAINING DEBRIS FROM ALL TRENCHES ONE-SIDE OF THE FENCE, IN 10 FEET.

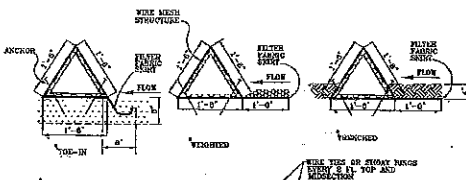
FILTER FABRIC FENCE



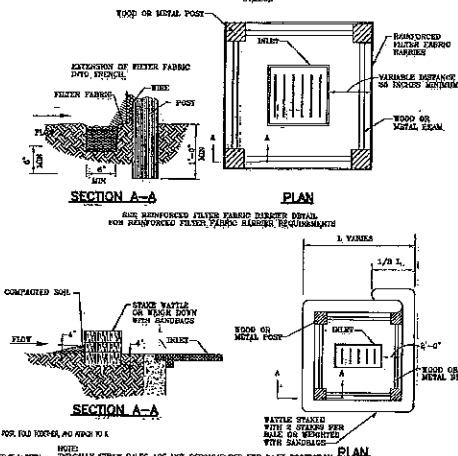
1. SET POSTS AT SPACED SPACING AND DEPTH, EXCAVATE A 4" x 8" TRENCH UPSTREAM ALONG THE LINE OF POSTS.
2. SECURE MESH FENCING TO POSTS.



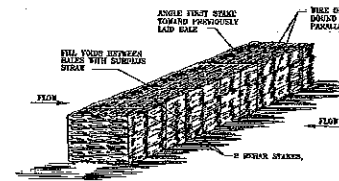
REINFORCED FILTER FABRIC BARRIER



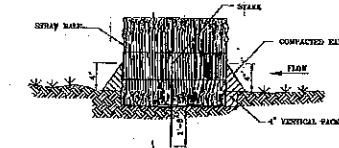
TRIANGULAR FILTER FABRIC FENCE



INLET PROTECTION BARRIERS FOR STAGE I INLETS



STRAW BALE FENCE

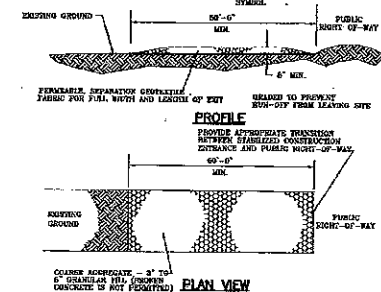


SECTION

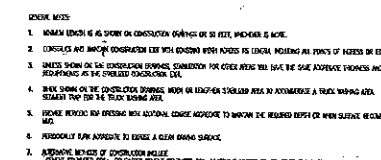
GENERAL NOTES

1. USE ONE TO THREE BALES FOR PROTECTION OF STAGE I INLET. PROTECT FROM OTHER CONTROL. USE STRAW BALE FENCES TO PROTECT STAGE I INLET. DO NOT USE STRAW BALE FENCES TO PROTECT STAGE II INLET.
2. PLACE BALE IN A ROW WITH ONE END AGAINST THE INLET. ALL THE BALE BUNDLES MUST BE PLACED AGAINST THE INLET TO PROTECT STAGE I INLET.
3. ACID FOR BALE AT LEAST 4 INCHES IN THE SOIL.
4. STRAW BALE FENCES MUST BE PLACED IN ROWS. SOME ROWS SHOULD BE PLACED IN ROWS WITH ONE END AGAINST THE INLET. THE OTHER END SHOULD BE PLACED IN ROWS WITH ONE END AGAINST THE INLET.
5. BALE BUNDLES MUST BE PLACED IN ROWS. SOME ROWS SHOULD BE PLACED IN ROWS WITH ONE END AGAINST THE INLET. THE OTHER END SHOULD BE PLACED IN ROWS WITH ONE END AGAINST THE INLET.
6. REMOVE BALE BUNDLES FROM THE INLET. REMOVE BALE BUNDLES FROM THE INLET.
7. REMOVE BALE BUNDLES FROM THE INLET. REMOVE BALE BUNDLES FROM THE INLET.

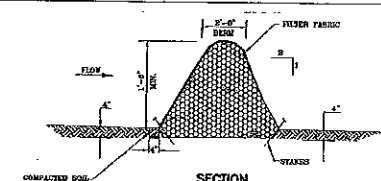
STRAW BALE FENCE



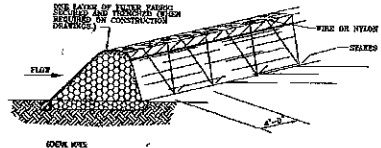
PLAN VIEW



STABILIZED CONSTRUCTION ACCESS



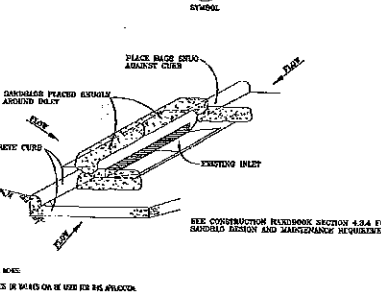
SECTION



GENERAL NOTES

1. USE ONE TO THREE BALS FOR PROTECTION OF STAGE I INLET. PROTECT FROM OTHER CONTROL. USE STRAW BALE FENCES TO PROTECT STAGE I INLET. DO NOT USE STRAW BALE FENCES TO PROTECT STAGE II INLET.
2. PLACE BALE IN A ROW WITH ONE END AGAINST THE INLET. ALL THE BALE BUNDLES MUST BE PLACED AGAINST THE INLET TO PROTECT STAGE I INLET.
3. ACID FOR BALE AT LEAST 4 INCHES IN THE SOIL.
4. STRAW BALE FENCES MUST BE PLACED IN ROWS. SOME ROWS SHOULD BE PLACED IN ROWS WITH ONE END AGAINST THE INLET. THE OTHER END SHOULD BE PLACED IN ROWS WITH ONE END AGAINST THE INLET.
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6. REMOVE BALE BUNDLES FROM THE INLET. REMOVE BALE BUNDLES FROM THE INLET.
7. REMOVE BALE BUNDLES FROM THE INLET. REMOVE BALE BUNDLES FROM THE INLET.

BRUSH BERM



GENERAL NOTES

1. BALS BE PLACED ON THE INLET FOR THE APPLICATION.
2. REMOVE BALE BUNDLES FROM THE INLET. REMOVE BALE BUNDLES FROM THE INLET.
3. REMOVE BALE BUNDLES FROM THE INLET. REMOVE BALE BUNDLES FROM THE INLET.
4. REMOVE BALE BUNDLES FROM THE INLET. REMOVE BALE BUNDLES FROM THE INLET.

INLET PROTECTION BARRIERS FOR STAGE II INLETS



JIC JOB # 05321-0021-00 WEST AIRPORT BLVD. AT OAK LAKE PARK PAVEMENT REPAIR	DATE
STORM WATER POLLUTION PREVENTION PLAN DETAILS	DATE
AS SHOWN	DATE
JUNE 2018	DATE

NO.	REVISION	DATE	NAME
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

FORT BEND COUNTY
ENGINEERING DEPARTMENT



APPROVED: *[Signature]*
DATE: 8/7/18



CONSTRUCTION HANDBOOK - STORM WATER POLLUTION PREVENTION PLAN DETAILS PREPARED BY CITY OF HOUSTON, JONES COUNTY, AND HARRIS COUNTY FLOOD CONTROL DISTRICT, 2001 EDITION.