



**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: 2025-79383

Applicant: Jianyi Sun

Job Location Site: 17312 Brumbelow Rd., Needville, TX 77461

Bond No. Date of Bond: 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, via email, for certain construction activities in County right-of-way. Contact permits@fbctx.gov for a copy of the notification procedure applicable to your project.
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 and permissions.

On this 26th day of August, 2025, Upon Motion of Commissioner McCoy, 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.

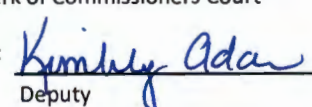
Signature

Presented to Commissioners Court and approved.

By: 
County Engineer

Date Recorded 8/26/2025 Comm. Court No. 5AA

By: N/A
Drainage District Engineer/Manager

Clerk of Commissioners Court
By: 
Deputy



**REVIEW BY FORT BEND COUNTY
COMMISSIONERS COURT**

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

Right of Way Permit
 Commercial Driveway Permit
Permit No: 2025-79383

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: _____ Amount: _____
- Cashier's Check Check No: [REDACTED] Amount: \$5,000.00

(3) DRAINAGE DISTRICT APPROVAL (WHEN APPLICABLE):

Drainage District Approval

Date

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



Permit Administrator

8/4/2025

Date

BANK OF AMERICA 

Cashier's Check

No. 6083003382

subject to purchase - in the event this check is lost, misappropriated, or
traced, a sworn statement and 90 day waiting period will be required
prior to replacement. This check should be negotiated within 90 days.

Void After 90 Days

80-30140

Date 07/15/25 01:08:02 PM

BRAZOS TOWN CENTER

798 0005475 045

Pay

 **BANK OF AMERICA** 

****\$5,000.00****

****Five Thousand and 00/100 Dollars****

To The Order Of **COUNTY OF FORT BEND**

Remitter (Purchased By) **JIANYI SUN**

Bank of America, N.A.
SAN ANTONIO, TX



AUTHORIZED SIGNATURE

00-33-364B 06-2019

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2025-79383

⑈6083003382⑈ ⑆114000019⑆

FOR ORIGINAL DOCUMENTS, VISITERS SHOULD CONTACT THE BANK OF AMERICA WHERE CHECKS ARE DEPOSITED

Front

Electronic Credit

Cadence Bank 01#A016291

Deposit Number: 487980372

Processing Date: 2025-08-27

Deposit Amount: \$ 5000.00

Customer Name: Fort Bend County

Description: 08-27-2025

Online User ID: JefCarFor2

Deposit made to: 886 CC Registry

001

084201278

12

Back

For Deposit Only
Fort Bend County
886 CC Registry
2025-08-27 12:04
Batch 487980372



Report Generated: 08-28-2025 09:46:08 AM

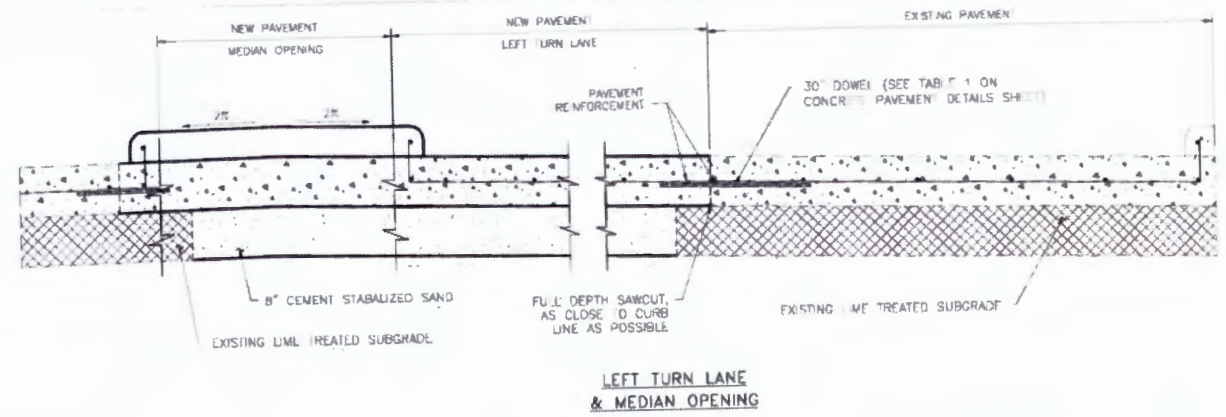
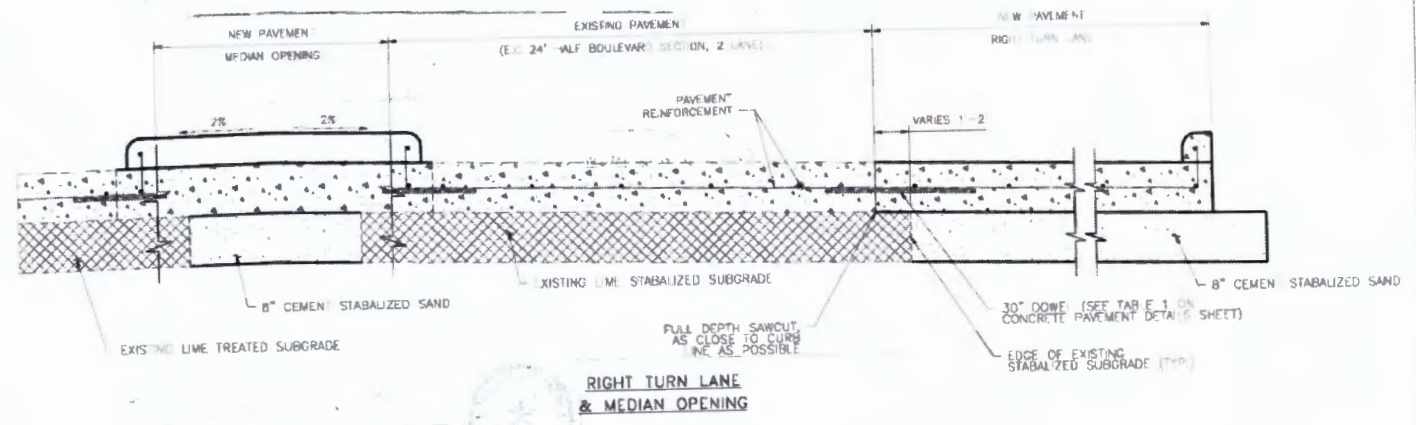
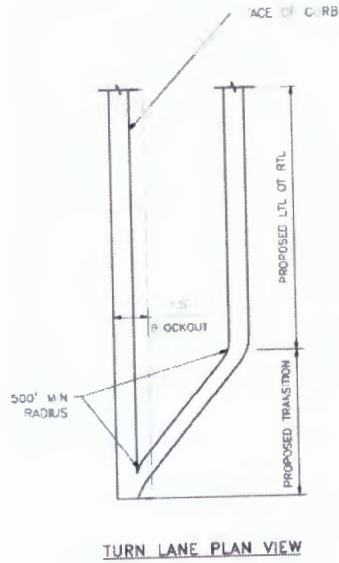
Order Details

Confirmation Number: 11148674
Transaction Status: Pending Processing
From Account: [REDACTED]
Transaction Type: Contribution
Method: ACH
Amount: \$5,000.00
Internal Memo:
To Account: [REDACTED]
To Account Name: CCM2025-79383-JIANYI SUN
To Fund Name: Texas CLASS
Trade Date: 08/28/2025
Settlement Date: 08/29/2025
Entered By: jeff.carter
Approved By: N/A

DEPOSIT

PERMIT #	2025-79383
STYLE:	Jianyi Sun
NAME PUT INTO TEXAS CLASS AS:	CCM2025-79383-JIANYI SUN
TEXAS CLASS ACCOUNT NUMBER	[REDACTED]
DEPOSIT AMOUNT:	\$5,000.00
DATE RECEIVED:	8/26/2025
DATE TRANSFERRED TO TEXAS CLASS:	8/29/2025

J:\170A\1601\Fort Bend County_Standards\Fort Bend County STD\DONE\FBC CONCRETE PAVEMENT DETAILS\CONCRETE_PAVEMENT_DETAILS-1012.dwg



- NOTES
- FOR CONCRETE PAVEMENT REINFORCEMENT SEE CONCRETE PAVEMENT DETAILS SHEET.
 - ALL TURN LANE AND MEDIAN OPENINGS SHALL HAVE THE SAME SURFACE AS THE EXISTING STREET.

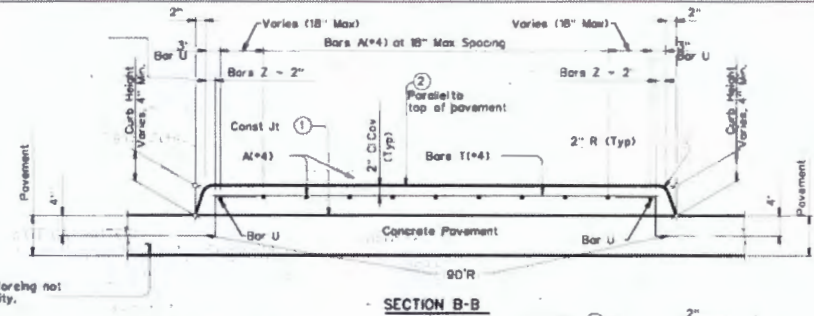
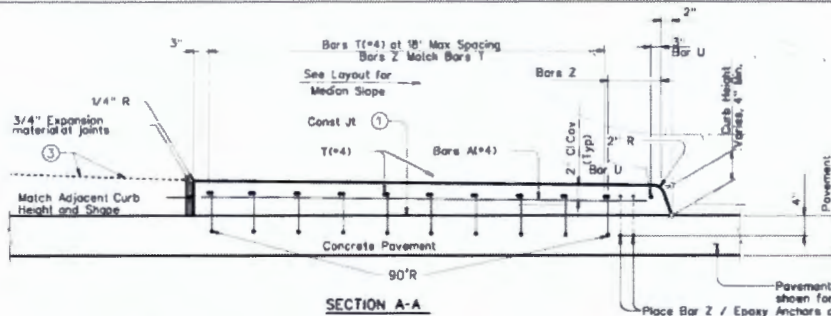
NO.	REVISIONS	DATE	NAME
1	ORIGINAL STANDARD SAULT	3-7-22	RJS
2	ADDED NOTE 2	10-1-24	RJS

FORT BEND COUNTY
ENGINEERING DEPARTMENT

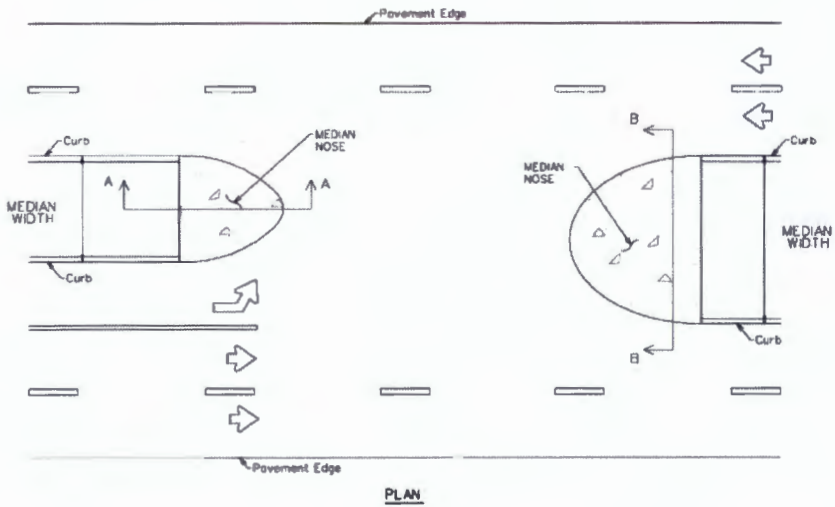
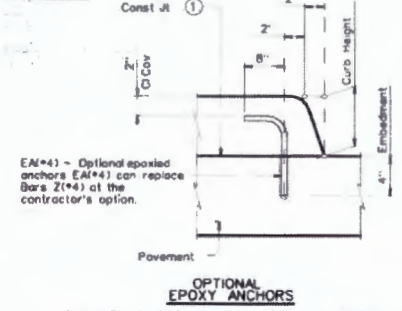
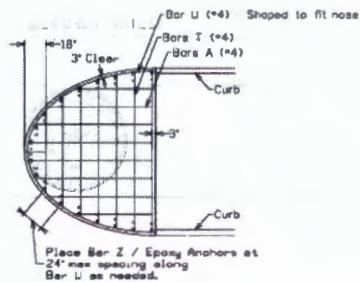


PROJECT TITLE:	PROJECT STANDARD:
DRAWN BY:	PROJECT STANDARD:
CHECKED BY:	PROJECT STANDARD:
SCALE:	SHEET NO.:
DATE:	APPROVED BY:

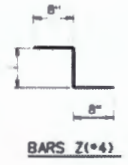
J:\1704\1801\Fort Bend County Standard\FCB CONCRETE PAVEMENT DETAILS\CONCRETE_PAVEMENT_DETAILS-1812.dwg



- ① Provide broom finish to top of pavement where raised median area is defined.
- ② Unless noted otherwise on the pavement details.
- ③ Unless otherwise directed place concrete riser over pavement or base if not over pavement or base, place sod or seed.



REINFORCING

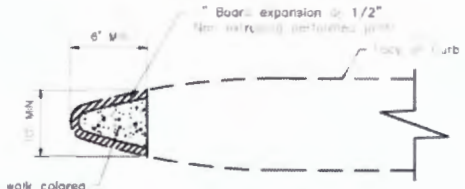


6" Reinforced concrete walk colored black on concrete pavement (uncolored on asphalt surface)

OPTIONAL EPOXY ANCHORS

Embed EA(+4) bar into concrete with a Type III (Class C) epoxy meeting the requirements of DMS-8100, Epoxies and Adhesives. Follow manufacturer's directions for installing the epoxied anchor bars.

ESPLANADE NOSE



MATERIAL NOTES:

Provide Grade 60 reinforcement. Welded wire reinforcement (WWR) meeting ASTM A497 of equivalent size and spacing may be substituted for Bars A and Bars T.

Epoxy coat reinforcement if pavement reinforcement is required to be epoxy coated.

DESIGNER NOTES:

Provide Median Slope in Design Layouts.

GENERAL NOTES:

1. Medians with widths less than 6' back to back, and the first 6' from median nose, shall be paved colored black.
2. For medians with bullet nose configuration, paint curb with yellow reflectorized paint around the esplanade nose to the PT of the 90' radius. For medians without bullet nose configurations, paint curb from PC to PT and 30' back of PC/PT.
3. Median noses shall be governed by HC item 528 "Colored Concrete for Median Noses".

NO.	REVISIONS	DATE	NAME
1	JASNA - ANVARI SS:01	10-1-24	KJS

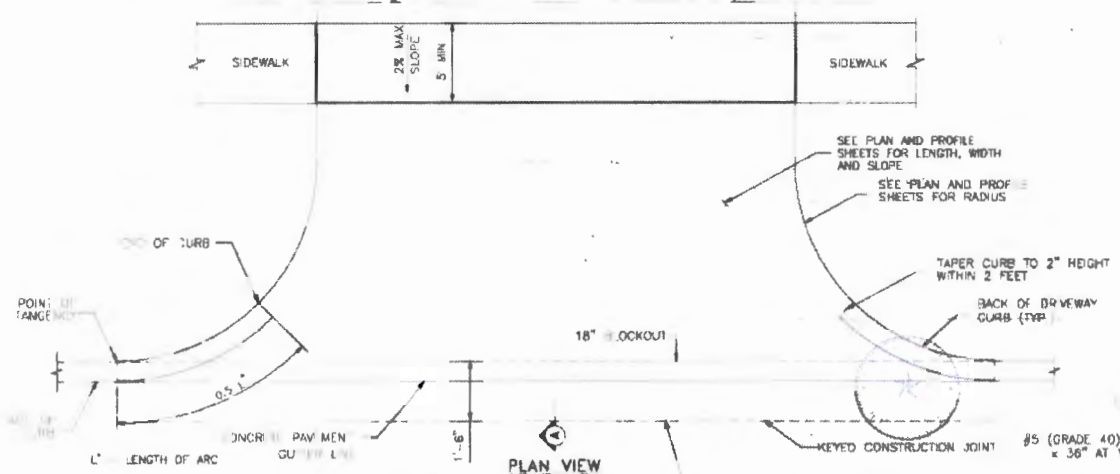
FORT BEND COUNTY
ENGINEERING DEPARTMENT



PROJECT TITLE		PROJECT STANDARD
DESIGN BY	DRYDEN DESIGN GROUP	09
CHECKED BY	JASNA ANVARI	
SCALE	AS NOTED	
DATE	10-1-24	
APPROVED BY		

J:\170A\180\1\Fort Bend County Standards\Fort Bend County Standards\FBC DRIVEWAY DETAILS FOR MAJOR ROADWAY CONSTRUCTION\DRIVEWAY_DETAILS_FOR_MAJOR_ROADWAY_CONSTRUCTION.dwg

PRECAST CONCRETE AS SHOWN ON DRAWINGS
 SAWCUT EXISTING DRIVEWAY



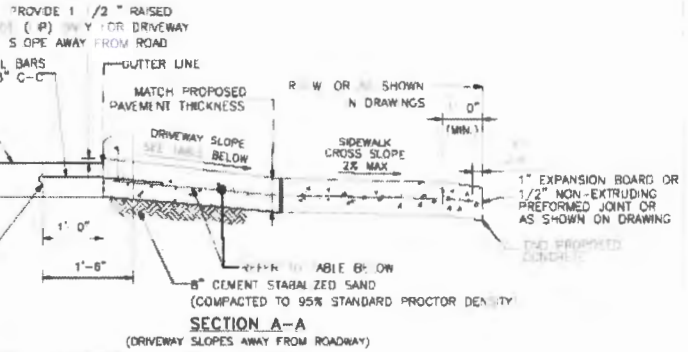
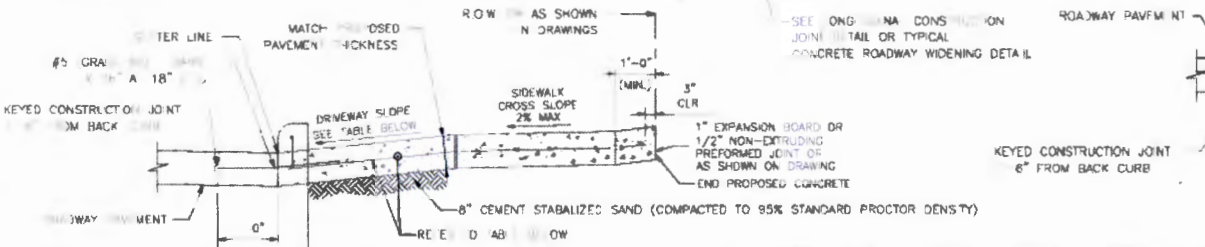
- NOTES:**
1. SAWCUT EXISTING DRIVEWAY AT R.O.W. LINE OR AS SHOWN ON DRAWING AND REMOVE EXISTING DRIVEWAY TO SAWCUT LINE.
 2. IF THERE IS EXISTING CURB ON DRIVEWAY, CONNECT PROPOSED CURB TO EXISTING CURB, OTHERWISE TAPER CURB HEIGHT AS SHOWN.
 3. SEE PAVEMENT DETAIL SHEET FOR CONCRETE CURB REINFORCEMENT.
 4. THIS DRIVEWAY INSTALLATION IS GOVERNED BY HARRIS COUNTY TEM 360 AND 400.
 5. DRIVEWAY WIDTH IS MEASURED AT THE LOW POINT.
 6. CULVERTS GREATER THAN 50' IN LENGTH REQUIRE CLEANOUT OR MANHOLE.
 7. ALL DRIVEWAYS CONNECTIONS SHALL HAVE THE SAME SURFACE AS THE EXISTING OR PROPOSED STREET.

MINIMUM RADIUS REQUIREMENTS - DRIVEWAYS

	LOCAL	COLLECTOR	MAJOR
RESIDENTIAL	5'	5'	
COMMERCIAL	10'	10'	25'

DRIVEWAY WIDTHS

	MINIMUM	MAXIMUM
RESIDENTIAL	10'	25'
COMMERCIAL	20'	40'



	PAVEMENT THICKNESS	COLLECTOR/MAJOR	RESIDENTIAL (MAJOR THOROUGHFARE)	RESIDENTIAL (COLLECTORS AND LOCAL STREETS)
REINFORCEMENT	6"	#4 @ 24" O.C.E.W.	N/A	#4 @ 24" O.C.E.W.
	7"	#4 @ 24" O.C.E.W.	#4 @ 24" O.C.E.W.	#4 @ 24" O.C.E.W.
	8"	#4 @ 18" O.C.E.W.	#4 @ 18" O.C.E.W.	#4 @ 8" O.C.E.W.
	8" (MIN)	#5 @ 18" O.C.E.W.	#5 @ 18" O.C.E.W.	#5 @ 18" O.C.E.W.
EXPANSION DOWEL JOINT	6"	3/4" DIA. SMOOTH BAR	3/4" DIA. SMOOTH BAR	3/4" DIA. SMOOTH BAR
	7"	1" DIA. SMOOTH BAR	1" DIA. SMOOTH BAR	1" DIA. SMOOTH BAR
	8"	1" DIA. SMOOTH BAR	1" DIA. SMOOTH BAR	1" DIA. SMOOTH BAR
	8" - 10"	1 1/2" DIA. SMOOTH BAR	1 1/2" DIA. SMOOTH BAR	1 1/2" DIA. SMOOTH BAR
CONSTRUCTION JOINT DOWEL	ALL	#5 REBAR	#5 REBAR	#5 REBAR
SUBGRADE	ALL	8" CEMENT STABILIZED SAND	2" BANK SAND (DEVELOPED/PRIVILEGED) OR 8" CEMENT STABILIZED SAND (MODIFIED)	2" BANK SAND (DEVELOPED/PRIVILEGED) OR 8" CEMENT STABILIZED SAND (MODIFIED)
DRIVEWAY SLOPE	ALL	2% TO 4%	2% TO 5%	2% TO 10%*

*10% ALLOWABLE ON PRIVATELY FINANCED PROJECTS
 6% MAX ON PUBLIC PROJECTS

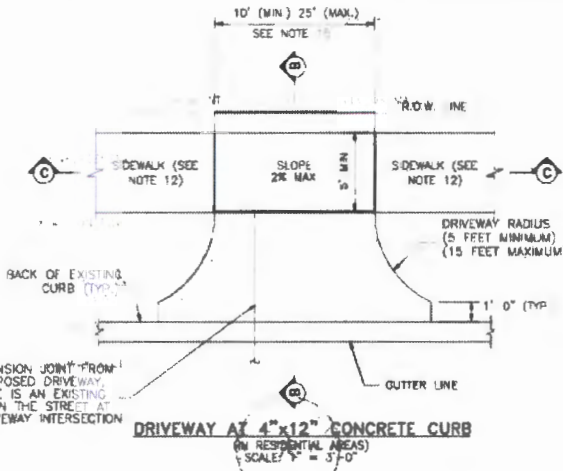
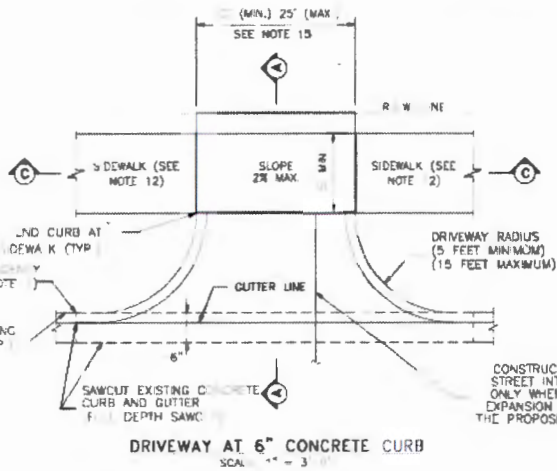
NO.	REV'S	DATE	NAME
1	ORIGINAL	11-15-10	RJS
2	ADD. NO. 1 & REV. ED	3-23-11	RJS
3	REVISED	10-24-11	RJS

FOR FORT BEND COUNTY
 ENGINEERING DEPARTMENT



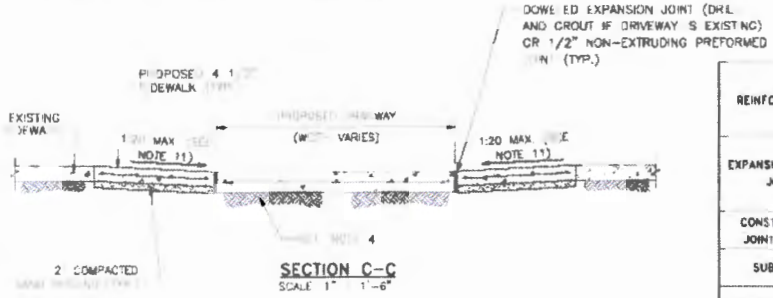
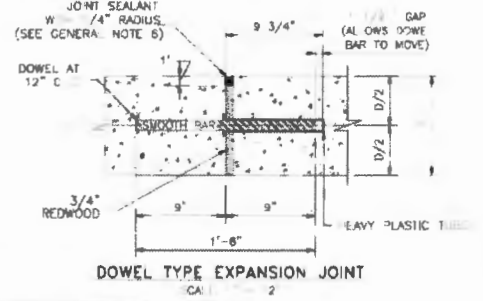
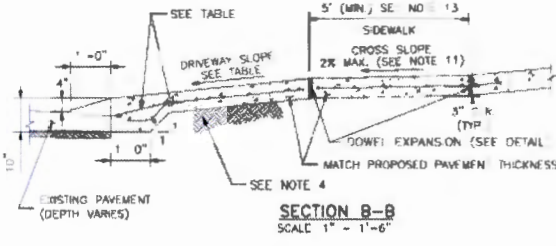
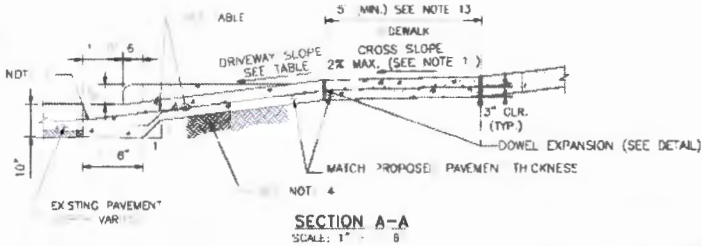
PROJECT NO.	DATE
170A-180-1	11-15-10

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NOTES:

1. DRIVEWAY SHALL BE CONSTRUCTED TO MATCH EXISTING DRIVEWAY AT POINT OF TANGENCY.
2. DRIVEWAY SHALL BE BUILT WITH PORTLAND CEMENT CONCRETE. 1 1/2 SACK CEMENT MINIMUM PER CUBIC YARD. 3,500 PSI AT 28 DAYS. THIS DRIVEWAY INSTALLATION IS GOVERNED BY HARRIS COUNTY E.W. 400 AND 360.
3. COMPACTION OF SUBGRADE TO 95% OF STANDARD PROCTOR DENSITY (ASTM D698) (± 2% OPTIMUM MOISTURE) FOR PROPOSED DRIVEWAY CONNECTION. THE COUNTY ENGINEER RESERVES THE RIGHT TO INSPECT AND REQUIRE LABORATORY TEST TO BE CONDUCTED.
4. FOR COMMERCIAL DRIVEWAYS USE 8" O.C. COMPACTED GRANULAR FILL. FOR RESIDENTIAL DRIVEWAYS USE 2" O.C. COMPACTED BANK SAND.
5. A PROPOSED DRIVEWAY TO BE BUILT ON A CORNER LOT CANNOT BE LOCATED WITHIN ANY PORTION OF THE PUBLIC STREET CURB RAD (THE POINTS OF TANGENCY MAY BE THE SAME POINT ALONG THE STREET CURB LINE).
6. PROPOSED DRIVEWAY REINFORCING STEEL SHALL BE #4 CONCRETE PAVEMENT WITH A MINIMUM LAP OF 16 INCHES.
7. IF EXISTING STREET REBAR IS CUT OFF, THEN #4 DOWEL BARS (18" LONG) NEED TO BE INSTALLED AT 24" SPACING, EMBEDDED 9 INCHES AND TIED OR W/TC EXISTING SPACING IF TIGHTER.
8. 3" NON-METALLIC CHAIRS ARE REQUIRED.
9. FOR CAPITAL IMPROVEMENT PROJECTS, THE SUBGRADE SHALL BE STABILIZED ACCORDING TO THE GEOTECHNICAL REPORT RECOMMENDATIONS.
10. SAW AND SEAL ALL CONSTRUCTION JOINTS.
11. SIDEWALK SLOPES SHALL COMPLY WITH THE TEXAS ACCESSIBILITY STANDARDS 403.3 "SLOPE".
12. IF SIDEWALK IS EXISTING, SEE SECTION 11.
13. SIDEWALKS MAY BE REDUCED TO 4' IN FRONT OF SINGLE FAMILY RESIDENTIAL LOTS WHEN A 3 PASSING AREA IS PROVIDED IN THE DRIVEWAY.
14. FOR SIDEWALK DETAILS SEE SIDEWALK DETAILS SHEET.
15. DRIVEWAY WIDTHS ARE MAXIMUM AT ROW LINE.
16. CULVERTS GREATER THAN 50' LENGTH REQUIRE CLEANOUT MANHOLE.
17. ALL DRIVEWAYS SHALL HAVE THE SAME SURFACE AS EXISTING OR PROPOSED STREET.



	PAVEMENT THICKNESS	COLLECTOR/MAJOR	RESIDENTIAL (MAJOR THOROUGHFARE)	RESIDENTIAL (COLLECTORS AND LOCAL STREETS)
REINFORCEMENT	6"	#4 @ 24" O.C.E.W.	#4 @ 24" O.C.E.W.	#4 @ 24" O.C.E.W.
	7"	#4 @ 24" O.C.E.W.	#4 @ 24" O.C.E.W.	#4 @ 24" O.C.E.W.
	8"	#4 @ 18" O.C.E.W.	#4 @ 18" O.C.E.W.	#4 @ 18" O.C.E.W.
	9"-10"	#5 @ 18" O.E.W.	#5 @ 18" O.E.W.	#5 @ 18" O.E.W.
EXPANSION DOWEL JOINT	6"	3/4" DIA SMOOTH BAR	3/4" DIA SMOOTH BAR	3/4" DIA SMOOTH BAR
	7"	1" DIA SMOOTH BAR	1" DIA SMOOTH BAR	1" DIA SMOOTH BAR
	8"	1" DIA SMOOTH BAR	1" DIA SMOOTH BAR	1" DIA SMOOTH BAR
	9"-10"	1 1/2" DIA SMOOTH BAR	1 1/2" DIA SMOOTH BAR	1 1/2" DIA SMOOTH BAR
CONSTRUCTION JOINT DOWEL	ALL	#5 REBAR	#5 REBAR	#5 REBAR
SUBGRADE	ALL	8" CEMENT STABILIZED SAND	6" BANK SAND (DEVELOP/PRGRADE)	2" BANK SAND (DEVELOP/PRGRADE)
			6" CEMENT STABILIZED SAND (MORE TRY)	6" CEMENT STABILIZED SAND (MORE TRY)
DRIVEWAY SLOPE	ALL	2% TO 4%	2% TO 6%	2% TO 10%*

*10% MAX ON PRIVATE DRIVEWAY CONSTRUCTION PROJECTS
6% MAX ON PUBLIC PROJECTS

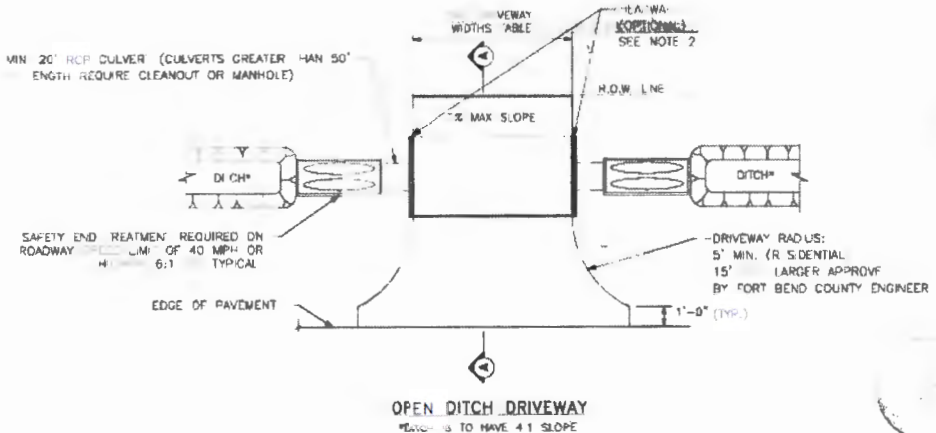
REVISIONS	DATE	BY	APP'D
ORIGINAL STANDARD ISSUED	22	RJS	
ADDED NOTE 16 & REVISED NOTE 2	3-1-23	RJS	
ADDED NOTE 17 & UPDATED TABLE	10-1-24	RJS	

FORT BEND COUNTY
ENGINEERING DEPARTMENT



PROJECT NO.		PROJECT STANDARD
DRAWN BY	INT	
CHECK BY	INT	
SHEET DESCRIPTION	DRIVEWAY DETAILS	
SCALE	RESIDENTIAL DRIVEWAYS	
DATE	APPROVED BY	
10-1-24		

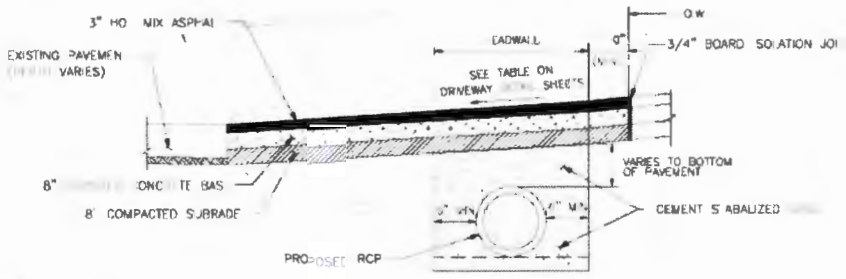
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OPEN DITCH DRIVEWAY
MINIMUM SLOPE TO HAVE 4:1 SLOPE

MINIMUM RADII REQUIREMENTS - DRIVEWAYS

	LOCAL	COLLECTOR	MAJOR
RESIDENTIAL	5'	10'	25'
COMMERCIAL	10'	10'	25'



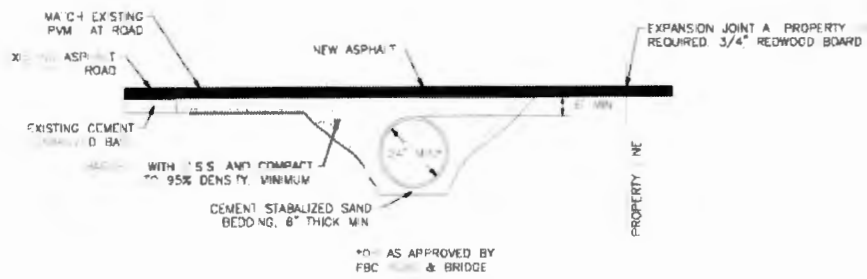
SECTION A-A FOR RESIDENTIAL DRIVEWAYS

DRIVEWAY WIDTHS*

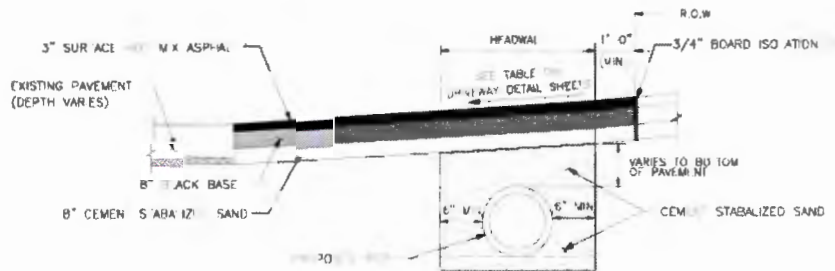
	MINIMUM	MAXIMUM
RESIDENTIAL	10'	25'
COMMERCIAL	20'	40'

*DRIVEWAY WIDTHS ARE MEASURED AT THE ROW LINE

- 1. MAINTAIN A MIN OF 8" BETWEEN DRIVEWAY AND CURB
- 2. DRIVEWAYS ARE ONLY ALLOWED ON ROADWAYS WITH POSTED SPEED LIMITS OF 35 MPH OR LESS
- 3. ALL DRIVEWAY DRIVEWAYS SHALL HAVE THE SAME SURFACE AS THE ADJACENT ROAD



ASPHALT APRON DETAIL - DRIVEWAY PROFILE FOR CULVERT DRAINAGE



SECTION A-A FOR COMMERCIAL DRIVEWAYS

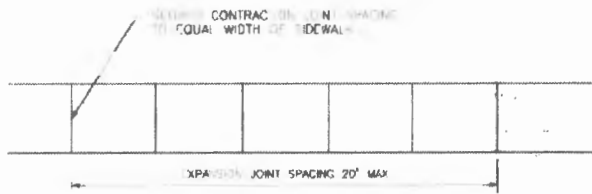
NO.	REVISIONS	DATE	NAME
1	AS STANDARD ISSUE	3-1-22	RJS
2	UPDATED SECTION DETS. & NOTES	1-24	RJS

FOR FORT BEND COUNTY
ENGINEERING DEPARTMENT

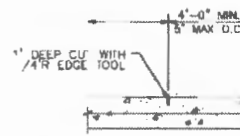


PROJECT NO.	DATE	SCALE	FIELD STANDARD
	10-1-24	AS NOTED	1
DRAWN BY:	DATE:	SCALE:	SHEET NO.

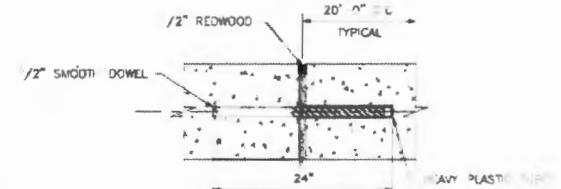
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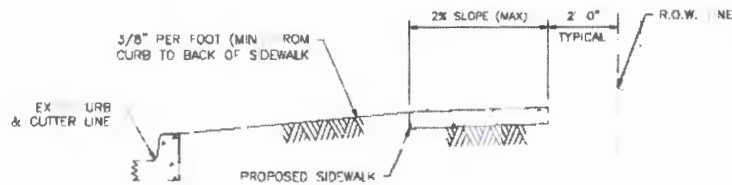
SIDEWALK JOINT DETAILS



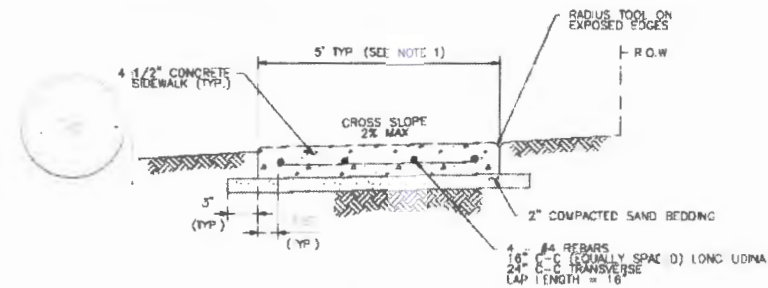
CONTRACTION JOINT SEAL



EXPANSION JOINT

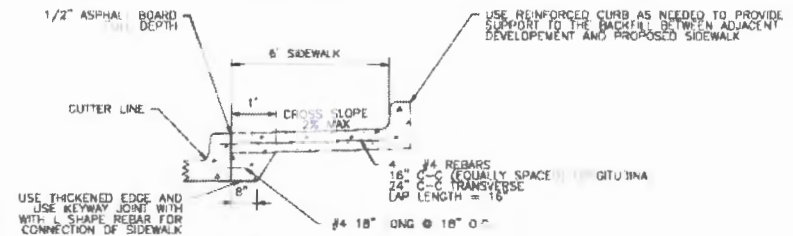


SIDEWALK CROSS SECTION



NOTES:

1. TYPICAL SIDEWALK WIDTH IS 5'. SIDEWALKS OF 4' WIDTH ARE ALLOWED IN FRONT OF SINGLE FAMILY HOMES. ALL SIDEWAYS PROVIDING A PASSING SIDEWALKS OF 4' W H 5' X 5' PASSING ZONE MUST BE SPECIFICALLY APPROVED BY FORT BEND COUNTY.
2. THE MAXIMUM WIDTH BETWEEN EXPANSION JOINTS SHALL NOT EXCEED 20' 0".
3. EXPANSION JOINTS TO BE 1/2" THICK CLEAR NEAR REDWOOD WITH DOWELS.
4. SCORED CONTRACTION JOINTS SHALL BE EVERY 5' OR EQUAL TO SIDEWALK WIDTH.
5. ALL EXPANSION JOINTS SHALL BE TO BE AS SHOWN OR OTHERWISE ON DRAWINGS.
6. SIDEWALKS SHALL BE 100% DRC II CONCRETE (3500 PSI) WITH #4 BARS, 16" C-C LONG UDINAL AND 18" C-C TRANSVERSE. SIDEWALKS < 5' WIDTH SHALL BE CONSTRUCTED AS DIRECTED BY THE ENGINEER OF RECORD.
7. USE RADIUS TOOL ON ALL EXPOSED EDGES.
8. MEMBRANE CURING COMPOUND IS REQUIRED AS DESCRIBED IN ITEM 802 OF THE HARRIS COUNTY STANDARD SPECIFICATIONS FOR CONSTRUCTION.
9. SIDEWALK EXPANSION JOINTS SHALL CONFORM TO FREE EXPANSION JOINT STANDARDS.
10. 6 SIDEWALK TO BE USED WHEN SIDEWALK RUNS ALONG THE BACK OF CURB AS DESCRIBED IN THE FBC DESIGN MANUAL.



6' SIDEWALK DETAIL*
*REQUIRES FORT BEND COUNTY APPROVAL

NOTE

BANK SAND IS DEFINED AS A WELL-GRADED SAND, FREE OF SILT, CLAY, GRAVEL OR SOLUBLE MATERIALS, AND ORGANIC MATTER, MEETING THE UNIFIED SOILS CLASSIFICATION SYSTEM GROUP SW CRITERIA WITH A PLASTICITY INDEX OF LESS THAN 0, AND NO MORE THAN 12% OF MATERIAL CAN PASS THE NO. 200 SIEVE.

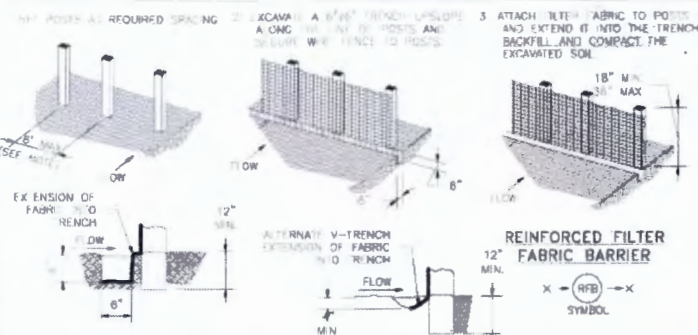
NO.	REVISIONS	DATE	NAME
1	ORIGINAL STANDARD SPECIFICATIONS	3-22	RJS
2	REVISED NOTE 6, 8, & CROSS SECTION DETAIL	3-23	RJS
3	ADD 6' SIDEWALK & REVISED SECTION DETAIL	10-1-24	RJS

FORT BEND COUNTY
ENGINEERING DEPARTMENT



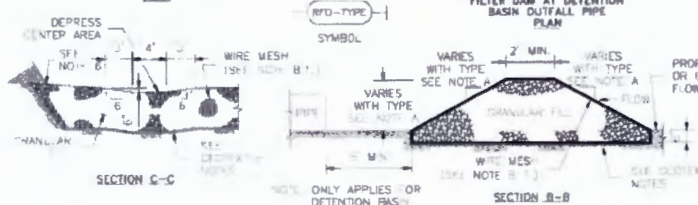
PROJECT INFO		PROJECT NO.
DESIGNED BY	INITIALS	14
CHECKED BY	INITIALS	
DATE	APPROVED BY	SHEET NO.
10-1-24		

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GENERAL NOTES:

- SECURELY FASTEN ENDING OF POSTS WITH STAPLES OR TWISTED WIRES
- CURVELY FASTEN FILTER FABRIC TO MESH TENCING
- WHEN TWO SECTIONS OF FILTER FABRIC MEET AT EACH OTHER OVERLAP 6 INCHES AT A POST, FOLD THEM TOGETHER AND ATTACH TO A POST
- REMOVE SEDIMENT DEPOSITS WHEN SLOPE REACHES ONE-THIRD OF THE HEIGHT OF THE FENCING IN DEPTH OF THE TRENCH MINIMUM 3 TIMES DEPTH



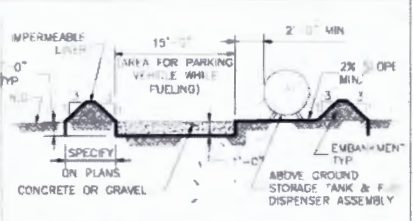
A TYPES - FILTER DAMS

- TYPE 1 (NON-REINFORCED)**
 - HEIGHT - 18-24 INCHES. MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM.
 - TOP WIDTH - 2 FEET (MINIMUM)
 - SLOPES - 2:1 (MAXIMUM)
- TYPE 2 (REINFORCED)**
 - HEIGHT - 18-36 INCHES. MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM.
 - TOP WIDTH - 2 FEET (MINIMUM)
 - SLOPES - 2:1 (MAXIMUM)
- TYPE 3 (REINFORCED)**
 - HEIGHT - 36-48 INCHES. MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM.
 - TOP WIDTH - 2 FEET (MINIMUM)
 - SLOPES - 2:1 (MAXIMUM)
- TYPE 4 (GRASS)**
 - HEIGHT - 30 INCHES (MINIMUM). MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM.
 - TOP WIDTH - 2 FEET (MINIMUM)
 - SLOPES - 2:1 (MAXIMUM)

GENERAL NOTES:

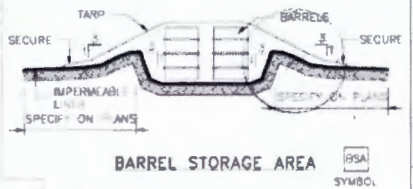
- CONSTRUCT FILTER DAMS ACCORDING TO THE FOLLOWING CONDITIONS UNLESS SHOWN OTHERWISE ON THE PLANS.
- TYPE 2 AND 3 FILTER DAMS: SECURE WITH 20 GAUGE GALVANIZED WIRE MESH WITH 1 INCH DIAMETER HEXAGONAL OPENINGS.
- PLACE GRANULAR FILL ON THE WIRE MESH TO HEIGHT AND SLOPES SHOWN ON PLANS OR AS SPECIFIED BY THE ENGINEER.
- 3-5 INCHES FOR ROCK FILTER DAM TYPES 1, 2 AND 4
- 1-8 INCHES FOR ROCK FILTER DAM TYPE REFER TO GRANULAR FILL IN SPECIFICATION SECTION NO. 02378 RIPRAP AND GRANULAR FILL
- FILL WIRE MESH AT UPSTREAM SIDE OVER GRANULAR FILL AND SECURE TO ITSELF ON THE DOWNSTREAM SIDE USING WIRE TIES OR HOC RINGS
- ALL STRINGS SECURE TO STAKE MES TO STREAM BED
- MINIMUM TO ACCURATE PLACEMENT
- SEE PERIOD SPECIFICATION SECTION NO. 02364 FILTER DAMS
- EMBED ONE FOOT MINIMUM INTO SLOPE AND RAISE ONE FOOT HIGHER THAN CENTER OF DEPRESSED AREA AT SLOPE.

NO.	REVISIONS	DATE	NAME
1	ORIGINAL STANDARD SPEC.	5-22	LJS



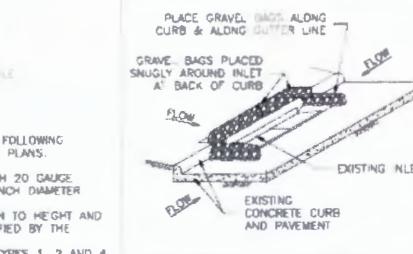
GENERAL NOTES:

- THE SIZE OF TANK FOUNDATION AREA DEPENDS ON THE SIZE OF ABOVE GROUND STORAGE TANK AND DISPENSER ASSEMBLY
- PROVIDE A MINIMUM SLOPE OF 2% TOWARD THE SUMP PIT.
- INSTALL IMPERMEABLE LINER AS PER MANUFACTURER'S RECOMMENDATIONS.



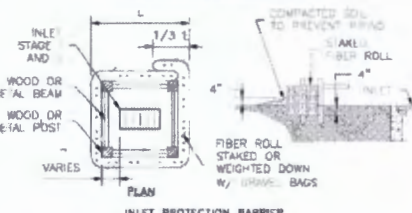
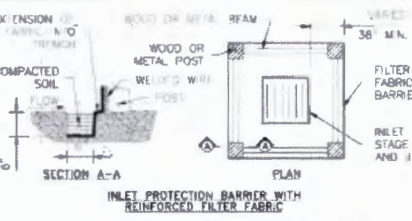
GENERAL NOTES:

- ALTERNATIVELY, STORE BARRIS IN AN ENCLOSED BUILDING OR SHED
- INSTALL IMPERMEABLE LINER AS PER MANUFACTURER'S RECOMMENDATIONS. 60# MINIMUM
- CONSTRUCT BARRIS AREA WITH VOLUME GREATER THAN OR EQUAL TO 10% VOLUME OF BARRIS.



GENERAL NOTES:

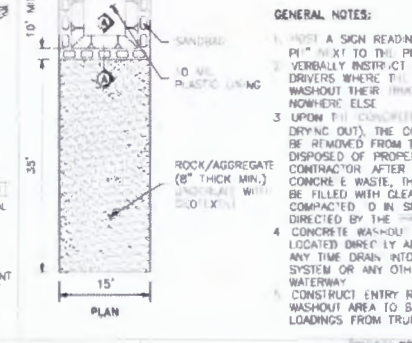
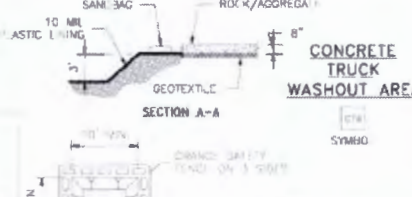
- REMOVE SEDIMENT DEPOSIT WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-THIRD THE HEIGHT OF THE BARRIER
- GRAVEL BAGS SHALL NOT BE ROCK THROUGH INLET UNLESS DIRECTED BY ENGINEER



GENERAL NOTES:

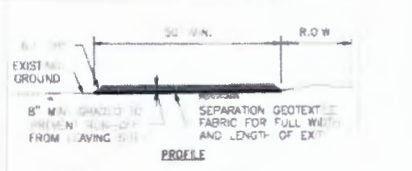
- FILTER ROLLS WILL BE UTILIZED ONLY WHEN CONDITIONS DO NOT PERMIT THE USE OF FILTER FABRIC BARRIER, AND AS APPROVED BY THE ENGINEER.

INLET PROTECTION BARRIERS FOR STAGE I INLETS



GENERAL NOTES:

- POST A SIGN READING "CONCRETE WASHOUT PIT" NEXT TO THE PIT
- VERBALLY INSTRUCT THE CONCRETE TRUCK DRIVERS WHERE THE PIT IS AND TO WASHOUT THEIR TRUCKS IN THE PIT AND NOWHERE ELSE
- UPON THE COMPLETE SETTING OF CURING (DRYING OUT) THE CONCRETE WASTE SHALL BE REMOVED FROM THE PROJECT SITE AND DISPOSED OF PROPERLY BY THE CONTRACTOR AFTER REMOVAL OF THE CONCRETE WASTE. THE WASHOUT PIT SHALL BE FILLED WITH CLEAN FILL MATERIAL AND COMPACTED TO SLOPE CONDITIONS, OR AS DIRECTED BY THE PROJECT SPECIFICATIONS
- CONCRETE WASHOUT PIT SHALL NOT BE LOCATED DIRECTLY ADJACENT TO, OR IN ANY TIME DRAIN INTO THE STORM DRAIN SYSTEM OR ANY OTHER SMALL DITCH OR WATERWAY
- CONSTRUCT ENTRY ROAD AND ROW OF WASHOUT AREA TO SUPPORT EXPECTED LOADINGS FROM TRUCKS EQUIPMENT



GENERAL NOTES:

- MINIMUM LENGTH 30 FEET AS SHOWN ON CONSTRUCTION DRAWINGS OR 50 FEET, WHICHEVER IS MORE
- CONSTRUCT AND MAINTAIN CONSTRUCTION EXIT WITH CONSTANT WIDTH ACROSS ITS LENGTH INCLUDING POINTS OF INGRESS OR EGRESS
- UNLESS SHOWN ON THE CONSTRUCTION DRAWINGS, STABILIZATION FOR OTHER AREAS WILL HAVE THE SAME AGGREGATE THICKNESS AND WIDTH REQUIREMENTS AS THE STABILIZED CONSTRUCTION EXIT
- WHEN DOWN ON THE CONSTRUCTION DRAWINGS, WIDEN OR LENGTHEN STABILIZED AREA TO ACCOMMODATE A TRUCK WASHING AREA. PROVIDE OUTLET SEDIMENT TRAP FOR THE TRUCK WASHING AREA
- PROVIDE PERIODIC TOP DRESSING WITH ADDITIONAL COARSE AGGREGATE TO MAINTAIN THE REQUIRED SURFACE OR WHEN SURFACE SEDIMENT IS TRACKED DOWN
- PERIODICALLY TUNE AGGREGATE TO EXPOSE A CLEAN DRIVING SURFACE
- MINIMUM 14' WITH FOR ONE WAY TRAFFIC AND 20' WITH FOR TWO WAY TRAFFIC

FORT BEND COUNTY
 ENGINEERING DEPARTMENT



PROJECT NO.	DATE	SCALE	DATE	BY	PROJECT	DATE	BY
					STORM WATER POLLUTION PREVENTION PLAN DETAILS	5-22	LJS