LINE TABLE		
LINE	LENGTH	BEARING
L1	4.84'	N45°14'05"E
L2	102.89'	N26°14'07"E

CURVE TABLE				
CURVE	LENGTH	RADIUS	CH. BEARING	CH. LENGTH
C1	92.94	150.00	S18°19'55"W	91.46'

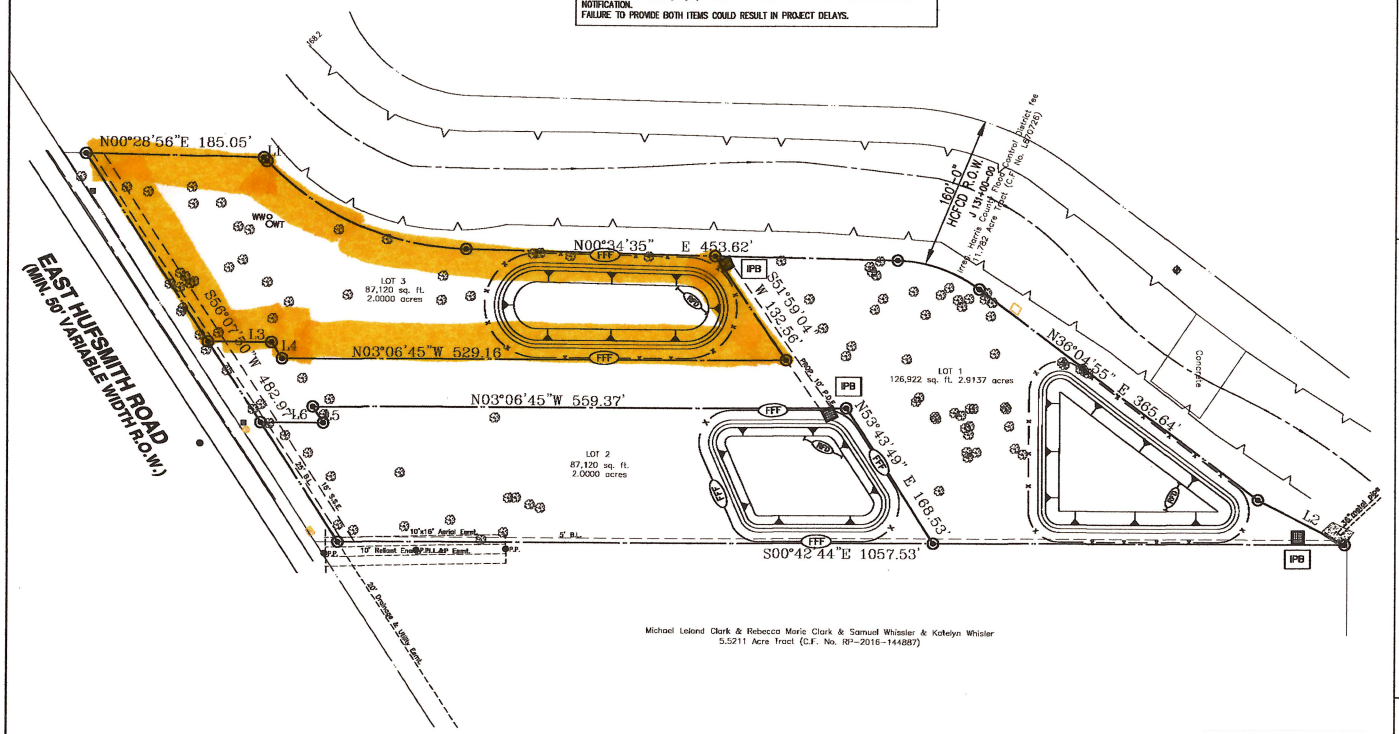
CONSTRUCTION IN H.C.F.C.D. RIGHT OF WAY REQUIRES:

SITE PLANS MUST BE APPROVED PRIOR TO OBTAINING THE REQUIRED HCFCD RIGHT OF WAY NOTIFICATION. BE ADVISED THAT THE HCFCD RIGHT-OF-WAY NOTIFICATION IS SEPARATE FROM THE SITE DEVELOPMENT PERMIT PACKAGE.

1) HCFCD RIGHT-OF-WAY NOTIFICATION (PERMIT)
2) HCFCD 48-HR. PRE-CONSTRUCTION NOTICE

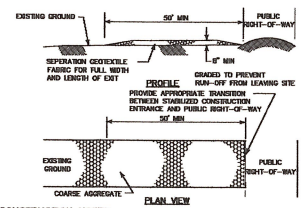
BOTH ARE REQUIRED PRIOR TO ENTERING OR WORKING WITHIN HARRIS COUNTY FLOOD CONTROL DISTRICT RIGHT-OF-WAY. THE HCFCD RIGHT-OF-WAY NOTIFICATION AND 48-HR. NOTICE MUST BE PROVIDED TO HCFCD AT dcid@hcfcd.org
TO APPLY FOR THE HCFCD RIGHT-OF-WAY NOTIFICATION PLEASE GO TO http://apps.harriscountytx.gov/EPermits AND APPLY FOR THE HCFCD ROW UNDER ROW NOTIFICATION.
FAILURE TO PROVIDE BOTH ITEMS COULD RESULT IN PROJECT DELAYS.

SCALE: 1"= 60'



LEGEND

IPB	INLET PROTECTION BARRIER WITH STRAW BALES AROUND/ SILT FENCE
FFF	FILTER FABRIC FENCE
SC	STABILIZED CONSTRUCTION ACCESS
RFD	PROPOSED ROCK FILTER DAM
WW	PROPOSED CONCRETE TRUCK WASHOUT AREA
●	EXISTING STORM/SANITARY MANHOLE
■	PROPOSED STORM CATCH BASIN
STM	INDICATES STORM SEWER
U.E.	INDICATES UTILITY EASEMENT
S.E.	INDICATES STORM SEWER EASEMENT
S.S.E.	INDICATES SANITARY SEWER EASEMENT
W.L.E.	INDICATES WATER LINE EASEMENT
H.L.&P.	INDICATES HOUSTON, LIGHTING & POWER COMPANY
ESMT.	INDICATES EASEMENT
B.L.	INDICATES BUILDING LINE
- - - - -	GRADE BREAK (G.B.)
——→	k SWALE
——→	SLOPE OF PAVEMENT OR FINISH GRADE

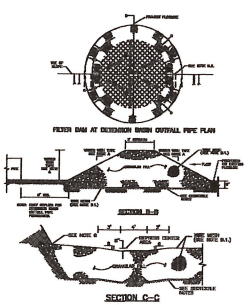


CONSTRUCTION NOTES:

1. LENGTH SHALL BE AS SHOWN ON THE CONSTRUCTION DRAWINGS, BUT NOT LESS THAN 50 FEET.
2. THICKNESS SHALL BE NOT LESS THAN 8 INCHES.
3. WIDTH SHALL BE NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
4. STABILIZATION FOR OTHER AREAS SHALL HAVE THE SAME AGGREGATE THICKNESS AND WIDTH REQUIREMENTS AS THE STABILIZED CONSTRUCTION EXIT, UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION DRAWINGS.
5. STABILIZED AREA MAY BE WIDENED OR LENGTHENED TO ACCOMODATE A TRUCK WASHING AREA. AN OUTLET SEDIMENT TRAP MUST BE PROVIDED FOR THE TRUCK WASHING AREA.
6. SEE CGH STANDARD SPECIFICATION FOR STABILIZED CONSTRUCTION EXIT.
7. STABILIZED CONSTRUCTION EXIT SHALL BE MAINTAINED FREE OF SEDIMENT FOR THE DURATION OF THE PROJECT.

SYMBOL: SC

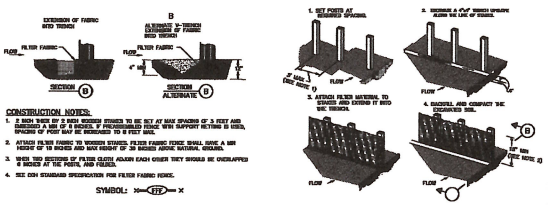
STABILIZED CONSTRUCTION ACCESS
NOT TO SCALE



FILTER DAM NOTES:

A. TYPES OF FILTER DAMS
1. TYPE 1 (NON-REINFORCED)
   a. HEIGHT – 18-24 INCHES. MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM.
   b. TOP WIDTH – 2 FEET (MINIMUM)
   c. SLOPES – 3:1 (MINIMUM).
2. TYPE 2 (REINFORCED).
   a. HEIGHT – 18-24 INCHES. MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM.
   b. TOP WIDTH – 2 FEET (MINIMUM).
   c. SLOPES – 3:1 (MINIMUM).
3. TYPE 3 (REINFORCED)
   a. HEIGHT – 36-48 INCHES. MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM.
   b. TOP WIDTH – 2 FEET (MINIMUM).
   c. SLOPES – 3:1 (MINIMUM).
4. TYPE 4 (CANISH)
   a. HEIGHT – 30 INCHES (MINIMUM). MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM.
   b. TOP WIDTH – 2 FEET (MINIMUM).
5. TYPE 5. AS SHOWN ON THE PLANS.

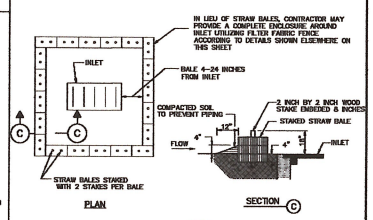
B. CONSTRUCT FILTER DAMS ACCORDING TO THE FOLLOWING CRITERIA UNLESS SHOWN OTHERWISE ON THE PLANS.
1. TYPE 2 AND 3 FILTER DAMS: SECURE WITH 20 GAUGE GALVANIZED WOVEN WIRE MESH WITH 1 INCH DIAMETER HEXAGONAL OPENINGS.
2. GRANULAR FILL:
   a. PLACE ON MESH TO HEIGHT AND SLOPES SHOWN ON PLANS OR AS SPECIFIED BY THE ENGINEER.
   b. 3-6 INCHES FOR ROCK FILTER DAM TYPES 1,2, AND 4 AND 4-8 INCHES FOR ROCK FILTER DAM TYPE 3. REFER TO GRANULAR FILL IN SPECIFICATION SECTION NO. 02028-REPAIR AND GRANULAR FILL.
3. WIRE MESH FOLD AT UPSTREAM SIDE OVER GRANULAR FILL AND TIGHTLY SECURED TO itself ON THE DOWNSTREAM SIDE USING WIRE TIES OR SOIC RINGS.
4. IN STREAMS SECURE OR STAKE MESH TO STREAM BED PRIOR TO AGGREGATE PLACEMENT.
5. SEE SPECIFICATION SECTION NO. 02284-FILTER DAMS.
6. EMBED ONE FOOT MINIMUM INTO SLOPE AND RAISE ONE FOOT HIGHER THAN CENTER OF DEPRESSED AREA AT



CONSTRUCTION NOTES:
1. 2 INCH THICK BY 2 INCH WOODEN STAKES TO BE SET AT MAX SPACING OF 3 FEET AND EMBEDDED A MIN OF 8 INCHES. IF PRECONSTRUCTED FENCE WITH SUPPORT RETAINS IS USED, SPACING OF POST MAY BE INCREASED TO 8 FEET MAX.
2. ATTACH FILTER FABRIC TO WOODEN STAKES. FILTER FABRIC FENCE SHALL HAVE A MIN HEIGHT OF 18 INCHES AND MAX HEIGHT OF 30 INCHES ABOVE NATURAL GROUND.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHOULD BE OVERLAPPED 6 INCHES AT THE POSTS, AND FOLDED.
4. SEE CGH STANDARD SPECIFICATION FOR FILTER FABRIC FENCE.

SYMBOL: FFF

FILTER FABRIC FENCE
NOT TO SCALE



SYMBOL: IPB

STRAW BALE DROP INLET PROTECTION BARRIER
NOT TO SCALE

ESTATES ON HUFSMITH
515 EAST HUFSMITH ROAD
TOMBALL, TEXAS 77375
FUTURE RESIDENCES

SM DESIGN&CONSULTING, LLC
ROCHELLE SIMS-HOWDEN
ADDRESS: 1115 HOWDEN DRIVE, KATY, TX 77450
E-MAIL: SMDC.ENGR@GMAIL.COM

3h ENGINEERING & CONSTRUCTION, INC
F-18626

STATE OF TEXAS
JOSE ANGEL ROCHA
113247
LICENSED
PROFESSIONAL ENGINEER

NOV. 09, 2018

Signature:

NO	REVISION	DATE
1		

SWPP PLAN & DETAILS

SCALE: 1"= 60'

PROJ #SM18-081

SHEET 7 OF 9

C-3