

1. PAVING
(FOR H.C. PUBLIC R.O.W. ONLY)

DESIGN THICKNESS OF PAVING (IN.)	STANDARD SURFACE DEPTH (IN.)	DESIGN STRENGTH OF CONCRETE (PSI)	STEEL REINFORCING LONG. (IN.)	STEEL REINFORCING TRANS. (IN.)	REINFORCEMENT STEEL SIZE (1/4 MIN.)

DRIVEWAYS (in H.C. ROW only)

DRWY	WIDTH	MATERIAL	CULVERT?	CULVERT LENGTH	NEAREST X-STREET	DIST. TO X-STREET
1	24	CONC.	NO	N/A	HAMPTON TERRACE LANE	0 LF
2	25	CONC.	NO	N/A	HAMPTON TERRACE LANE	300 LF
3	25	CONC.	NO	N/A	HAMPTON TERRACE LANE	530 LF
4						
5						

I. NUMBER OF DRIVEWAY APPROACHES PROPOSED INCLUDE WIDENING OR REPAVING EXISTING DRIVEWAYS AS WELL AS NEW DRIVEWAYS

II. HARRIS COUNTY STANDARD DRIVEWAY DETAIL APPEARS ON SHEET **C9.2**
FIRE APPARATUS ACCESS ROAD

REQUIRED AND SHOWN ON SHEET(S) **C4.0**
 NOT REQUIRED DUE TO _____

CURBING

I. ISLANDS AND MEDIANS REQUIRE STANDARD 6" CURBING

II. STANDARD 6" CURBING PROPOSED
 4" x 12" CURBING PROPOSED EXCEPT AT MEDIANS AND ISLANDS

TRAFFIC CONSIDERATIONS

I. **MEDIAN CUTS**
 NO MEDIAN CUT OR RELOCATION IS PROPOSED
 MEDIAN MODIFICATIONS ARE SHOWN ON SHEET _____

II. **LEFT / RIGHT TURN LANE**
 NO LEFT / RIGHT TURN LANE IS PROPOSED
 LEFT / RIGHT TURN LANE IS SHOWN ON SHEET _____

III. **TRAFFIC CONTROL PLAN**
 NO WORK IN THE RIGHT OF WAY IS PROPOSED THAT WOULD INTERFERE WITH TRAFFIC FLOW
 TRAFFIC CONTROL SHOWN ON SHEET _____

IV. **TRAFFIC SIGNAL**
 NO TRAFFIC SIGNAL IS EXISTING / PROPOSED
 EXISTING TRAFFIC SIGNAL DEVICES (T.C. BOXES AND LOOPS) SHOWN ON SHEET _____
 PROPOSED TRAFFIC SIGNAL (BY OTHERS) _____

V. **TRAFFIC IMPACT ANALYSIS**
 NO TRAFFIC IMPACT ANALYSIS IS REQUIRED
 TRAFFIC IMPACT ANALYSIS HAS BEEN APPROVED ON DATE: _____
PLAN TITLE: _____
HCPID PROJECT NO.: _____

7. FLOOD CONTROL DISTRICT CRITERIA

I. **DETENTION SUMMARY**

RAINFALL EVENT PROBABILITY	PRE-DEVELOPED PEAK RUNOFF (CFS)	POST-DEVELOPED PEAK RUNOFF (CFS)	DETENTION BASIN PEAK OUTFLOW (CFS)	MAXIMUM WATER SURFACE ELEVATION (AC-FT)	PEAK STORAGE (AC-FT PER AC)	STORAGE RATE (AC-FT PER AC)
50% EXCEEDANCE (2-YEAR)						
10% EXCEEDANCE (10-YEAR)						
1% EXCEEDANCE (100-YEAR)						

ADDITIONAL CRITERIA FOR PUMPED DETENTION BASINS:
VOLUME OF PUMPED 1% EXCEEDANCE STORAGE VOLUME = _____ AC-FT, _____ % OF TOTAL VOLUME
MAXIMUM DESIGN OUTFLOW VELOCITY INTO HCFCD CHANNEL = _____ FT./SEC.
DRAIN TIME FOR BASIN = _____ HOURS BASED ON _____ HEAD CONDITIONS.

STORMWATER DETENTION DESIGN REPORT
REPORT TITLE: **DRAINAGE AND DETENTION ANALYSIS FOR NORTHAMPTON REGIONAL DETENTION POND**
REPORT DATE: **1/30** ENGINEERING FIRM: **JONES & CARTER, INC**
DATE OF ACCEPTANCE BY HCFCD OR FLOODPLAIN ADMINISTRATOR: **TBD** HCFCD PROJECT # **1901290142**

GEOTECHNICAL INVESTIGATION REPORT
REPORT TITLE: **RETAIL CENTER-GOSLING ROAD**
REPORT DATE: **SEPTEMBER 12, 2018** ENGINEERING FIRM: **ECS SOUTHWEST, LLP**
DATE OF ACCEPTANCE BY HCFCD: _____ HCFCD PROJECT # _____

STORMWATER DETENTION FOR THE PROPOSED WORK CONTAINED IN THESE PLANS IS PROVIDED BY OTHER PLANS:
PLAN TITLE: **CONSTRUCTION OF NORTHAMPTON REGIONAL DETENTION FOR HARRIS COUNTY NORTHAMPTON MUNICIPAL UTILITY DISTRICT**
ENGINEERING FIRM: **JONES & CARTER, INC** DATE SIGNED BY HCFCD: **TBD** HCFCD PROJECT # **1803130006**

II. HCFCD STANDARD NOTES: SEE SHEET _____ OF THESE PLANS

III. HCFCD STANDARD DETAILS: SEE SHEET _____ OF THESE PLANS.

IV. REFER TO PLAN SHEETS _____ FOR EXISTING AND PROPOSED RIGHT OF WAY DELINEATION AND COMPLETE RECORDING INFORMATION TO INCLUDE CLIENT'S FILE NUMBERS, TYPE OF ESTATE (e.g., DRAINAGE EASEMENT, FEE STRIP, ETC.) AND GRANTEE (e.g., COH, HCFCD, PUBLIC, TXDOT, ETC.)

NOTES:
I. COMPLETE ONLY IF HCFCD OR HARRIS COUNTY IS REQUIRING DETENTION.
II. COMPLETE ONLY IF PROJECT HAS WITHIN IT OR IS IMMEDIATELY ADJACENT TO AN EXISTING OR PROPOSED HCFCD MAINTAINED CHANNEL OR DETENTION BASIN.
III. COMPLETE ONLY IF PROJECT INCLUDES NEW OUTFALL, BACKSLOPE INTERCEPTOR OR OTHER RELATED WORK WITHIN AN EXISTING OR PROPOSED HCFCD MAINTAINED CHANNEL OR DETENTION BASIN.
IV. COMPLETE ONLY IF PROJECT HAS WITHIN OR IMMEDIATELY ADJACENT TO AN EXISTING OR PROPOSED PUBLIC DRAINAGE CHANNEL OR DETENTION BASIN.

2. RESIDENTIAL / SUBDIVISION DRAINAGE

I. PROPOSED DRAINAGE SYSTEM TYPE
 STORM SEWER
 ROADSIDE DITCH
 LOW IMPACT DEVELOPMENT (LID)

II. DESIGN METHOD USED
 CITY OF HOUSTON _____ YEAR FREQUENCY
 OTHER: _____

III. DRAINAGE SYSTEM OUTFALLS DIRECTLY TO EXISTING
 DETENTION POND (APPROVED H.C. PRJ NO.): _____
 DETENTION POND MAINTAINED BY: _____
 HCFCD DRAINAGE DITCH UNIT NO.: _____
 H.C. ROADSIDE DITCH (ROAD NAME) _____
 H.C. STORM SEWER (APPROVED H.C. PRJ NO.): _____

IV. H.C. OUTFALL CALCULATIONS
 ROADSIDE DITCH OUTFALL:
ALLOWABLE OUTFALL RATE: 0.0027 x _____ LF Frontage = _____ (CFS)
PROPOSED OUTFALL RATE: _____ (CFS), CALCULATIONS PROVIDED ON SHEET _____
 STORM SEWER OUTFALL
CAPACITY ALLOCATED TO TRACT FROM D. A. MAP: _____ (CFS)
FROM DRAINAGE AREA MAP DATED: _____
PREPARED BY: _____
APPROVED H.C. PROJECT NO.: _____
ACTUAL OUTFALL RATE: _____ (CFS), CALCULATIONS PROVIDED ON SHEET _____

V. DETENTION PROVIDED BY
 DETENTION BASIN IS PART THIS PLAN SET. SERVICE AREA MAP IS ON SHEET _____
 REGIONAL DETENTION BASIN SYSTEM (APPROVED H.C. PRJ NO.): _____

PROPOSED STORM SEWER IS SUBMERGED (AGREEMENT MUST BE PROVIDED)
STATIC W.S.E. @ OUTFALL IS _____

OFFSITE SHEET FLOW: (100 YEAR)

OFFSITE SHEET FLOW MAPPING, TOTAL DISCHARGE CALCULATIONS, AND DESIGN ACCOMMODATIONS ARE SHOWN ON SHEET **N/A** OR, AS PRESENTED IN THE APPROVED DRAINAGE STUDY ENTITLED **N/A**

TOTAL ACREAGE = **0** THERE ARE NO OFFSITE RUN-ON AREAS FOR THIS PROJECT.
TOTAL DISCHARGE = **0**

NOTE: ALL OFFSITE SHEET FLOW FROM ADJACENT PROPERTIES MUST BE IDENTIFIED AND PROPERLY ACCOUNTED FOR IN THE PROJECT. THE SIGNING ENGINEER HEREBY CERTIFIES THAT THESE AREAS HAVE BEEN ADDRESSED.

8. FLOOD PLAIN STATUS

I. GENERAL INFORMATION
FIRM PANEL(S) FOR PROPERTY: **48201C0235M**
FIRM PANEL(S) DATE: **OCTOBER 16, 2013**
STATUS OF PROPERTY ON MAP
 ENTIRELY LOCATED IN UNSHADED ZONE "X"
 LOCATED PARTIALLY OR ENTIRELY IN ANY "X" ZONE OR SHADED ZONE "X", DELINEATE FLOODPLAIN BOUNDARY ON CONSTRUCTION DRAWINGS (DRAINAGE LAYOUT PG. NO. **C5.0**) (BASE FLOOD LEVEL **119.00**) ** 500-YR FLOOD LEVEL = 123.00
 SITE REMOVED FROM FLOODPLAIN BY LOMR, LOMR-F, LOMA
CASE NO. _____ REVISED FLOODPLAIN IS SHOWN ON SHEET _____

ELEVATION INFORMATION
BENCHMARK USED
 HARRIS COUNTY FLOODPLAIN REFERENCE MARK
 HARRIS-GALVESTON COASTAL SUBSIDENCE DISTRICT BENCHMARK (FOR COASTAL AREAS)
DESCRIPTION OF BENCHMARK INCLUDING ELEVATION, DATUM AND YEAR OF ADJUSTMENT (2001 ADJ.): **HARRIS COUNTY REFERENCE MARK NO. 120010. PUBLISHED ELEVATION = 113.48 (NAVD 1988, 2001 ADJ.)**

II. FLOOD PLAIN DETERMINATION BASED ON GROUND ELEVATION
 PROPERTY LIES ENTIRELY ABOVE THE BASE FLOOD LEVEL AND IN SHADED ZONE "X"
 PROPERTY LIES PARTIALLY OR ENTIRELY BELOW THE BASE FLOOD LEVEL

III. FLOODPLAIN STORAGE SUMMARY (APPLIES ONLY TO PORTION OF LAND LOCATED WITHIN FLOODPLAIN AS Delineated BY FIRM PANELS)
TOTAL VOLUME OF MATERIAL PROPOSED TO BE MOVED OR PLACED WITHIN THE FIRM DELINEATED FLOODPLAIN (FILL, BASE, CONCRETE, ASPHALT, ETC.):
i.e., BELOW ELEVATION _____ (2001 ADJ.) _____ CUBIC YARDS

B. TOTAL VOLUME OF MATERIAL PROPOSED TO BE REMOVED FROM THE FIRM DELINEATED FLOODPLAIN:
i.e., BELOW ELEVATION _____ (2001 ADJ.) _____ CUBIC YARDS

C. FILL AREA & VOLUME CALCULATIONS ARE SHOWN ON SHEET _____

IV. LOMR REQUIRED CLOMR REQUIRED VERIFIED BY: _____

FOR PROJECTS LOCATED IN ANY FLOODPLAIN
Development constructed or placed in accordance with these plans will comply with all provisions of the Regulations of Harris County, Texas for Floodplain Management.
No net fill is allowed in the flood plain and no fill is allowed in the floodway.
FOUNDATION NOTES: (Applies to new buildings or building additions requiring a class II permit)
All water heaters, furnaces, or conditioning units, electrical distribution panels, and any other mechanical or electrical equipment must be elevated in accordance with Section 4.05 of Harris County Floodplain regulations.
Any electrical circuit serving a light switch or outlet located below the base (100-year) flood elevation shall be dropped from above and be on a separate breaker.
All materials used below the (100-year) base flood elevation are on approved FEMA Technical Bulletin 2-08 as Class 5 water-resistant, and approved in accordance with FEMA Technical Bulletin 1-08 for foundation openings.
Critical facilities located in the 0.2% or 500-year floodplain shall have the lowest floor elevated to 3 feet or more above the 0.2% flood elevation, or 24 inches above the crown of the adjacent road, whichever ever results in a higher elevation.
Floodproofing and sealing measures must be taken to ensure that toxic substances will not be displaced by or released into floodwaters.
Access routes elevated to or above the level of the base flood shall be provided to all critical facilities to the extent possible.
A completed as-built certificate must be submitted after the structure is completed and before it is occupied.
The County Engineer's Office will post a final inspection notice on the structure once all requirements have been met.
No fill may be used to elevate structures in the 1% or 100-year flood plain. Structures may be constructed on an open foundation, such as piers, or a continuous foundation walls with properly sized and located openings. All foundations are required to be designed by a registered professional engineer.
All structures shall be designed to withstand a three second gust basic wind speed of 120mph.
Completed "Elevation Certificates" to be submitted: one at permitting, a second after the slab is poured or sub-floor is installed and before the framing starts, and a third is required once construction is finished. "ELEVATION CERTIFICATE" (FORM) to the Harris County Engineering Department, 3555 Northwest Freeway, Suite 120, Houston, TX 77062

3. COMMERCIAL / OTHER SITE DRAINAGE

I. PROPOSED DRAINAGE AREA
 NEW DEVELOPMENT AREA: _____
 RE-DEVELOPMENT AREA (AMOUNT INCREASED IMPERVIOUS AREA): **2.48 AC**
 LOW IMPACT DEVELOPMENT (LID)

II. DETENTION VOLUME
NEW AREA x _____ = _____ ACRE FEET
DETENTION REQUIRED _____

PROPOSED DETENTION VOLUME = **N/A** ACRE FEET
PROPOSED DETENTION VOLUME CALCULATIONS ARE SHOWN ON SHEET **N/A**

DETENTION VOLUME PROVIDED BY EXISTING DETENTION POND
APPROVED H.C. PROJECT NO.: **1803130006**
DETENTION POND SERVICE AREA MAP IS PROVIDED ON SHEET _____

III. OUTFALL
OUTFALL TO H.C. ROADSIDE DITCH
 EXISTING H.C. STORM SEWER
 OTHER **NORTHAMPTON REGIONAL DETENTION POND, H.C. PROJECT # 1803130006**

ROADSIDE DITCH OUTFALL:
ALLOWABLE OUTFALL RATE: 0.0027 x _____ LF Frontage = _____ (CFS)
PROPOSED OUTFALL RATE: _____ (CFS), CALCULATIONS PROVIDED ON SHEET _____

STORM SEWER OUTFALL
CAPACITY ALLOCATED TO TRACT FROM D. A. MAP: _____ (CFS)
FROM DRAINAGE AREA MAP DATED: _____
PREPARED BY: _____
APPROVED H.C. PROJECT NO.: _____
ACTUAL OUTFALL RATE: _____ (CFS), CALCULATIONS PROVIDED ON SHEET _____

IV. PUMPED DETENTION FACILITIES
VOLUME THAT GRAVITY FLOWS: _____ ACRE FEET
VOLUME THAT IS PUMPED: _____ ACRE FEET
ENTRANCE VELOCITY INTO ROADSIDE DITCH OR STORM SEWER: _____
PUMP SPECIFICATIONS AND AUTOMATIC SHUTOFF PLAN FOR ROADSIDE DITCH & STORM SEWER OUTFALLS APPEAR ON SHEET _____

V. FLOW RESTRICTOR SIZE
OUTFALL PIPE SIZE: _____
RESTRICTOR PIPE SIZE: _____

NOTE: ALL ROADSIDE DITCH OUTFALLS REQUIRE EROSION CONTROL MEASURES. RIMPUP IS NOT ALLOWED AS AN EROSION CONTROL MEASURE IN HARRIS COUNTY ROW. ALL PUMPED DETENTION OUTFALLS TO ROADSIDE DITCHES REQUIRE MANHOLE W/LEAK.

4. WATER AND WASTEWATER

I. COMMERCIAL PROJECTS
DOES PROPERTY HAVE EXISTING AND/OR PROPOSED UTILITIES?
 YES NO

IF YES, CHECK THE BOX THAT APPLIES TO THIS PROJECT
 PUBLIC WATER & SANITARY
 PRIVATE WATER WELL & SEPTIC SYSTEM
 PUBLIC WATER & PRIVATE SEPTIC SYSTEM
 PRIVATE WATER WELL & PUBLIC SANITARY

NOTE: PUBLIC UTILITIES REQUIRE A LETTER FROM THE DISTRICT / MUNICIPALITY AUTHORIZING SERVICE & CONNECTION. THIS IS REQUIRED FOR PLAN APPROVAL.
UTILITY DISTRICT / MUNICIPALITY NAME: **NORTHAMPTON MUD**
NOTE: SEPTIC SYSTEMS REQUIRE H.C. WASTE WATER REVIEW
H.C. SEPTIC PERMIT/REQUEST NO. _____

H.C. WASTE WATER REVIEWER APPROVAL
NAME & DATE: _____
REVIEWER COMMENTS: _____

NOTE: ALL EXISTING AND PROPOSED UTILITIES MUST BE ACCURATELY SHOWN & LABELED ON THE SITE PLANS.

II. SUBDIVISION PROJECTS
 UTILITY DISTRICT / MUNICIPALITY NAME: _____
 PRIVATE WATER & WASTE WATER SYSTEMS
 PRIVATE WATER & INDIVIDUAL OSSF
 INDIVIDUAL WATER WELL & OSSF

NOTE: A COPY OF TCEQ APPROVAL FOR PRIVATE WATER & WASTE WATER SYSTEMS IS REQUIRED FOR PLAN APPROVAL.

NOTE: DEDICATED UNDERGROUND FIRE LINES MUST BE SUBMITTED TO THE HARRIS COUNTY FIRE PROTECTION GROUP FOR REVIEW AND PERMITTING BY THE UNDERGROUND FIRE LINE CONTRACTOR. CIVIL REVIEW DOES NOT REVIEW OR APPROVE UNDERGROUND FIRE LINES FOR THE FIRE PROTECTION SYSTEMS.

9. WORK IN HCFCD RIGHT-OF-WAY

I. TYPE OF WORK TO BE PERFORMED IN CHANNEL
 OUTFALL
 UTILITY CROSSING
 ROADWAY BRIDGE / CULVERT CROSSING
 FILL ACTIVITY
 REHABILITATION OF CHANNEL
 MAINTENANCE
 TEMPORARY CROSSING
 OTHER _____

II. USAGE ENVIRONMENTAL PERMIT
 U.S. ARMY CORPS ENGINEERS NATIONWIDE PERMIT NUMBERS _____
 U.S. ARMY CORPS OF ENGINEERS INDIVIDUAL PERMITS _____
 OTHER _____
 NO PERMITS REQUIRED
EXPLAIN: _____

III. REFERENCE / BASIS OF DETERMINATION
 ENVIRONMENTAL CONSULTANT REPORT
BY: _____
REPORT TITLE: _____
REPORT DATE: _____
 OTHER _____

NOTES:
I - III. REQUIRED ON PROJECTS WITH WORK IN A HCFCD CHANNEL.
PLEASE REFERENCE SECTION 17 OF THE FLOOD CONTROL DISTRICT POLICY, CRITERIA, AND PROCEDURE MANUAL FOR MORE INFORMATION.

11. CURB RAMPS
A. ARE CURB RAMPS THAT CONNECT TO PUBLIC STREETS PROPOSED IN THIS SET OF PLANS? YES NO

12. LANDSCAPING
 REQUIRED AND SHOWN ON SHEET(S) **L1.0**
 NOT REQUIRED

When the County Engineer has determined that a new benchmark will be required to be established for the proposed project, the developer shall be required to install a benchmark per section 8.0, part 2 of the Harris County Infrastructure Regulations.
Is a new Benchmark required for this project? (to be determined by Harris County) yes no
If a new Benchmark is required, the proposed benchmark information is shown on sheets _____

5. DESCRIPTION OF PROPERTY

I. LEGAL DESCRIPTION
A. ACREAGE: **4.927 AC**
B. SUBDIVISION: _____
 SURVEY & ABSTRACT: **L. GOSLING SURVEY, A-280 HARRIS COUNTY, TEXAS**
C. ADJACENT ROADS: **GOSLING ROAD**

II. PLATTING
A. SUBDIVISION PLAT
 PROPOSED PLAT / REPLAT
 RECORDED PLAT / REPLAT
B. STREETS PROPOSED
 PUBLIC
 PRIVATE
 PUBLIC & PRIVATE
 NONE

III. JURISDICTIONS
 CITY OF _____
 ETJ, CITY OF HOUSTON
 ETJ, CITY OF _____
 NO ETJ

IV. HCAD ACCOUNT NOS. (ALL) KEY MAP PAGE **250Z**
042141000137

V. UNOBSTRUCTED VISIBILITY EASEMENT (U.V.E.)
 REQUIRED AND SHOWN ON SHEET(S) _____
 NOT REQUIRED

NOTE: ALL APPROVED, FINAL PLATS AND ASSOCIATED CPC101 FORMS MUST BE INCLUDED WITH PLAN SUBMITTAL.
 CONFORMING SUBDIVISION
 NON-CONFORMING SUBDIVISION
 PARTIALLY NON-CONFORMING SUBDIVISION

10. PERMITS REQUIRED

DOES THE PROPERTY HAVE ANY VIOLATIONS? IF SO PLEASE PROVIDE ALL VIOLATION NUMBERS.

TO BE FILLED OUT BY HARRIS COUNTY
 STORM WATER QUALITY
 SEPTIC (EXISTING) SEPTIC (PROPOSED)
 CIVIL SITE WORK (PHASE II PERMIT CLASS I (non-floodplain))
 CIVIL SITE WORK (PHASE II PERMIT CLASS II (floodplain))
 DRIVEWAY WITH CULVERT _____ CURB AND GUTTER _____
 BUILDING PERMITS (NO. OF BUILDINGS = _____) CRITICAL FACILITY
 SUBDIVISION INFRASTRUCTURE PHASE II (NO. OF LOTS = _____)
 NOTICE OF DETENTION AFFIDAVIT REQUIRED
 MUD MAINTENANCE AGREEMENT REQUIRED
 HCFCD ROW NOTIFICATION PERMIT REQUIRED
NOTES: _____

WORK IN HARRIS COUNTY R.O.W.
 UTILITY WORK _____
 LEFT TURN LANE _____
 OTHER CONSTRUCTION _____

A PERMIT IS REQUIRED FOR EACH SCOPE OF WORK ON SITE.
A NOTIFICATION IS REQUIRED FOR EACH SCOPE OF WORK IN HC OR HCFCD ROW.
REFER TO www.eng.hctx.net/permits FOR EACH SCOPE OF WORK IN HC OR IN HCFCD ROW.

6. STORMWATER QUALITY

I. SWPPP: CONSTRUCTION MEASURES. (Complete for ALL projects)
 DISTURBS >1AC. SITE PLAN & DETAILS ON SHEET(S) **C3.0 & C3.1**
 DISTURBS <1AC. N/A

II. APPLICABILITY FOR PERMANENT FEATURES. (must be completed on all projects)
EXEMPT NEW DEVELOPMENT:
 PROJECT IS ON A PARCEL (A COMMON PLAN OF DEVELOPMENT) LESS THAN 5 ACRES. (must be verified with plat)
EXEMPT REDEVELOPMENT:
 PROJECT DOES NOT MEET THE DEFINITION OF SIGNIFICANT REDEVELOPMENT (Part A, Sec. 2.39 of Regulations of Harris County, Texas for Stormwater Quality Management)
EXEMPT GRANDFATHERED:
 PROJECT'S DRAINAGE TIES DIRECTLY INTO AN EXISTING DRAINAGE SYSTEM PRIOR TO OCTOBER 1, 2001. (FOR VERIFICATION: PROVIDE ORIGINAL DRAINAGE AREA MAP INCLUDING CALCULATIONS)

GENERAL:
 PROJECT'S SWQ REQUIREMENTS FALL WITHIN THE JURISDICTION OF: _____
 STORMWATER QUALITY PERMIT REQUIREMENT IS COVERED BY AN EXISTING SWQMP WITHIN PROJECT TITLE: **DOVERSHIRE PLACE SECTION 1 & 2**
HARRIS COUNTY PROJECT NO. **2031677** & SWQ PERMIT NO. **8-0002865-3**

STORMWATER QUALITY MANAGEMENT PLAN:
 SITE PLAN ON SHEET(S) _____
III. PERMANENT SWQ FEATURES. (COMPLETE IF NOT EXEMPT)
 VEGETATIVE CONTROLS USED: (FILTER STRIP, GRASSY SWALE, URBAN FORESTRY) DETAILS AND CALCULATIONS APPEAR ON SHEET(S) _____
 POND STRUCTURE USED (WET, DRY, WETLANDS) DETAILS AND CALCULATIONS APPEAR ON SHEET(S) _____
 HYDRODYNAMIC PIPE SEPARATOR MODEL: _____
 OTHER(S): _____

HCFCD SIGNATURE BLOCK

PROJECT NAME: _____
ADDRESS: _____
WAS ACCEPTED BY THE FOLLOWING GROUPS FOR THE PURPOSES LISTED BELOW:

ENGINEERING DIVISION

BY _____ INTERPOSE NO OBJECTION DATE _____
BY _____ AS TO LOCATION OF ITEMS IN COUNTY RIGHT OF WAY DATE _____
BY _____ AS TO PAVING AND/OR DRAINAGE ONLY DATE _____
BY _____ AS TO STORM WATER QUALITY DATE _____

ADDITIONAL COMMENTS: _____

HARRIS COUNTY FLOOD CONTROL DISTRICT

INTERPOSE NO OBJECTION
BY _____ FOR ITEMS LOCATED OUTSIDE OF HCFCD RIGHT-OF-WAY DATE _____
APPROVED: _____
BY _____ FOR ITEMS LOCATED WITHIN EXISTING HCFCD RIGHT-OF-WAY DATE _____
APPROVED: _____
BY _____ FOR ITEMS LOCATED WITHIN PROPOSED HCFCD RIGHT-OF-WAY DATE _____
ADDITIONAL COMMENTS: _____

THE PROJECT WAS REVIEWED, HOWEVER, THIS DOES NOT MEAN THE ENTIRE PROJECT, INCLUDING ALL SUPPORTING DATA AND CALCULATIONS HAVE BEEN COMPLETELY CHECKED AND VERIFIED. THESE DRAWINGS ARE SIGNED, DATED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF TEXAS, WHICH THEREFORE CONVEYS THE ENGINEER'S RESPONSIBILITY AND ACCOUNTABILITY. THIS DOES NOT RELIEVE ANY PARTY FROM COMPLYING WITH APPROPRIATE FEDERAL, STATE AND LOCAL ENVIRONMENTAL RULES, LAWS, AND REGULATIONS AND ANY OTHER LEGALLY ADOPTED REGULATION OR ORDINANCE RELATED TO LAND DEVELOPMENT. IF THE CITY SIGNATURES ARE REQUIRED BY ORDINANCE, COUNTY PERMITS WILL NOT BE ISSUED UNTIL SUCH SIGNATURES ARE OBTAINED. THESE SIGNATURES ARE VALID FOR A MAXIMUM OF TWO YEARS.

ENGINEER'S CERTIFICATION
I, _____, A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF TEXAS, DO HEREBY CERTIFY THAT THE INFORMATION PRESENTED ON THIS SHEET IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND THAT I AM NOT VIOLATING ANY PROVISION OF THE CURRENT TEXAS ENGINEERING PRACTICE ACT AND RULES CONCERNING THE PRACTICE OF ENGINEERING AND PROFESSIONAL ENGINEERING LICENSURE.

ANY VIOLATIONS WILL BE FORWARDED TO THE HARRIS COUNTY DISTRICT ATTORNEY'S OFFICE FOR PROSECUTION.
THE COMPLETED PROJECT CONSISTS OF DRAWING SHEETS **C0.0** THRU **C9.2**.
SIGNATURE: **Steven Jun** DATE: **3/8/2019**

REVISIONS
NOTE: REVISION BLOCK IS TO BE USED ONLY FOR CHANGES MADE AFTER PLANS HAVE BEEN APPROVED BY HARRIS COUNTY.

DATE	SHEET NO.	DESCRIPTION	P.E. INITIAL	H.C. APPROVED DATE

HARRIS COUNTY PROJECT NO. _____ SHEET NUMBER **4** OF **16**