

ENTRANCE ENLARGEMENT, 1 INCH = 10 FEET

GRADING/PAVING NOTES

1. CONTRACTOR TO MATCH EXISTING GRADE AT ALL CONNECTIONS TO EXISTING PAVING.
2. CONTRACTOR TO PROVIDE 6-INCH REINFORCED CONCRETE PAVEMENT WITH 8-INCH SUBGRADE AS IDENTIFIED WITHIN THE GEOTECHNICAL REPORT FOR ALL DRIVE AREAS.
3. CONTRACTOR TO PROVIDE 5-INCH REINFORCED CONCRETE PAVEMENT WITH 8-INCH SUBGRADE AS IDENTIFIED WITHIN THE GEOTECHNICAL REPORT FOR ALL PARKING AREAS.
4. CONTRACTOR TO PROVIDE 7-INCH REINFORCED CONCRETE PAVEMENT WITH 8-INCH SUBGRADE AS IDENTIFIED WITHIN THE GEOTECHNICAL REPORT FOR ALL HEAVY DUTY AREAS.
5. CONTRACTOR TO HYDROMULCH SEED OR SOD AREA AS REQUIRED BY CLIENT. SEE LANDSCAPE PLAN FOR ADDITIONAL REQUIREMENTS. CONTRACTOR'S LANDSCAPER SHALL ENSURE LANDSCAPING ADJACENT TO BUILDING DOES NOT BLOCK THE NATURAL FLOW AWAY FROM BUILDING. MULCH SHOULD BE MINIMUM 6-INCHES BELOW FINISHED FLOOR.
6. CONTRACTOR TO CONSTRUCT 6-INCH CURB AROUND ALL PARKING AREAS AND DRIVES AS INDICATED BY THE DOUBLE LINE. ALL PROPOSED ELEVATIONS ARE TO FINISHED TOP OF PAVEMENT. FOR TOP OF CURB GRADE, ADD 0.5 FEET, EXCEPT WHERE NOTED ELSEWHERE.

DETENTION NOTE

DETENTION IS PROVIDED FOR ON THE FORT BEND COUNTY IMPROVEMENT DISTRICT NO 24 - PLANS FOR DETENTION AND MASS GRADING TO SERVE THE CROSSING AT KATY-FULSHEAR - FORT BEND COUNTY, TEXAS AND PER THE ATLAS 14 CERTIFICATION MEMORANDUM FOR THE CROSSING AT KATY-FULSHEAR APPROVED DRAINAGE IMPACT ANALYSIS PREPARED BY DUPLANTIS DESIGN GROUP.

FBID 24 NOTE

SANITARY SEWER AND WATER LINES SHALL BE INSPECTED BY FB ID 24 OPERATOR PRIOR TO BACKFILL. CONTACT INFRAMARK AT (281) 578-4200. DISTRICT OPERATOR SHALL INSTALL WATER TAP, VALVE, WATER METER AND WATER LINE UP TO THE BACKFLOW PREVENTER.

Grate Inlet Calculation (FBCDCM Sec 5.4.3)

$$Q = C_e A (2gh)^{0.5} \text{ (Orifice)}$$

C _e	0.80
A	268 in ² (CE24)
A	1.86 ft ²
g	32.20 ft/s ²
h	0.72 ft (A1)
Q ₁	10.14 cfs
h	0.27 ft (A2)
Q ₂	6.21 cfs
h	0.65 ft (B1)
Q ₃	9.63 cfs
h	0.27 ft (B2)
Q ₄	6.21 cfs

FIRE NOTES

1. PROVIDE KNOX BOX FOR ACCESS ON ANY FUTURE GATES. THERE ARE NO GATES PROPOSED AT THIS TIME.

FIRE LEGEND



PARKING NOTE

1. PARKING SHALL BE CONCRETE AND SHALL NOT PERMIT WIND OR WATER BORNE EROSION.

STORM SEWER NOTES

1. ALL STORM SEWER SHALL BE HDPE UNLESS NOTED OTHERWISE.
2. CONTRACTOR TO CONNECT TO EXISTING STORM SEWER ON SITE.
3. DOWNSPOUTS SHALL DRAIN TO SURFACE AND SHEET DRAIN TO PROPOSED INLETS.

SANITARY SEWER NOTES

1. CONTRACTOR TO CONNECT TO EXISTING SANITARY SEWER STUBOUT AT SHOWN ELEVATION AND INSTALL PROPOSED PRIVATE SANITARY MH PER STANDARD COH DETAIL ON SHEET C1.07. VERIFY INVERT ELEVATION AND LOCATION OF EXISTING SANITARY SEWER PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
2. STUB SANITARY SEWER 5' FROM BUILDING AND PLUG. SEE MEP PLANS FOR CONTINUATION.
3. INSTALL 6-INCH CLEANOUTS TO GRADE AS SHOWN.

WATER NOTES

1. DISTRICT OPERATOR TO CONNECT PROPOSED 1" DOMESTIC WATER LINE TO EXISTING PUBLIC 6" WATER LINE (FBID 24). CONTRACTOR TO VERIFY EXACT LOCATION OF EXISTING WATER LINE CONNECTION. DISTRICT OPERATOR TO INSTALL (1) 1" WATER METER (DOMESTIC). CONTRACTOR TO INSTALL 1" BACKFLOW PREVENTION DEVICE (PARK RPZ MODEL FOR DOMESTIC) PER FBID 24 REQUIREMENTS.
2. DISTRICT OPERATOR TO CONNECT PROPOSED 1" IRRIGATION LINE TO EXISTING WATER LINE (FBID 24). CONTRACTOR TO VERIFY EXACT LOCATION OF EXISTING WATER LINE CONNECTION. DISTRICT OPERATOR TO INSTALL (1) 1" WATER METER (IRRIGATION). CONTRACTOR TO INSTALL 1" DOUBLE CHECK VALVE BACKFLOW PREVENTER FOR IRRIGATION LINE PER FBID 24 REQUIREMENTS.
3. STUB DOMESTIC WATER LINE 5' FROM BUILDING AND PLUG. SEE MEP PLANS FOR CONTINUATION.

FLOODPLAIN INFORMATION

ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), FLOOD INSURANCE RATE MAP (FIRM) FOR FORT BEND COUNTY, TEXAS, MAP NO. 48157C0105L REVISED/DATED APRIL 2, 2014, THE SUBJECT TRACT APPEARS TO LIE WITHIN UNSHADED ZONE "X".

BENCHMARK NOTES

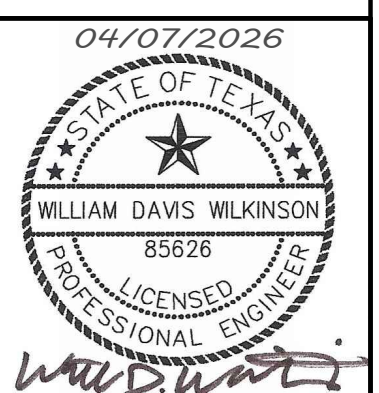
BENCHMARK: HARRIS COUNTY FLOODPLAIN REFERENCE MARK RM NO. 190045 BEING A BRASS DISC STAMPED "190045" LOCATED ON A BRIDGE OVER BUFFALO BAYOU, APPROXIMATELY .5 MILES WEST FROM THE INTERSECTION OF CINCO RANCH BOULEVARD AND WESTHEIMER PARKWAY, PUBLISHED ELEVATION - 115.25.

TBM 3: BEING A BOX CUT ON THE BACK OF A CURB LOCATED FROM THE INTERSECTION OF THE SOUTHBOUND LANES OF WESTHEIMER LAKES NORTH DRIVE AND FARM TO MARKET 1093 ROAD, TRAVEL SOUTHWEST ON FARM TO MARKET 1093 ROAD APPROXIMATELY 1090 FEET, THEN TRAVEL 295 FEET NORTH TO THE SOUTH RIGHT-OF-WAY LINE OF PARK ROW, TO A BOX CUT ON THE BACK OF A CURB JUST NORTH OF THE TACO BELL, ELEVATION - 131.46.

TBM 4: BEING A BOX CUT ON THE BACK OF A CURB LOCATED FROM THE INTERSECTION OF THE SOUTHBOUND LANES OF WESTHEIMER LAKES NORTH DRIVE AND FARM TO MARKET 1093 ROAD, TRAVEL SOUTHWEST ON FARM TO MARKET 1093 ROAD APPROXIMATELY 930 FEET TO A PRIVATE DRIVEWAY, THEN TRAVEL 970 FEET NORTH TO THE BACK OF A CURB OF A CONCRETE MEDIAN, NORTHWEST OF THE XSCAPE MOVIE THEATER, ELEVATION - 132.33.

TBM "AAA": BEING A BOX CUT ON SET ON TOP OF A CONCRETE INLET LOCATED APPROXIMATELY 340 FEET NORTH FROM THE NORTH R.O.W. LINE OF FARM TO MARKET 1093 ROAD, AND 340 FEET EAST FROM THE EAST R.O.W. LINE OF RING ROAD. (SHOWN HEREON), ELEVATION - 132.34.

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PAVING, GRADING, AND UTILITY PLAN

C1.02

FBC Engineering Approval