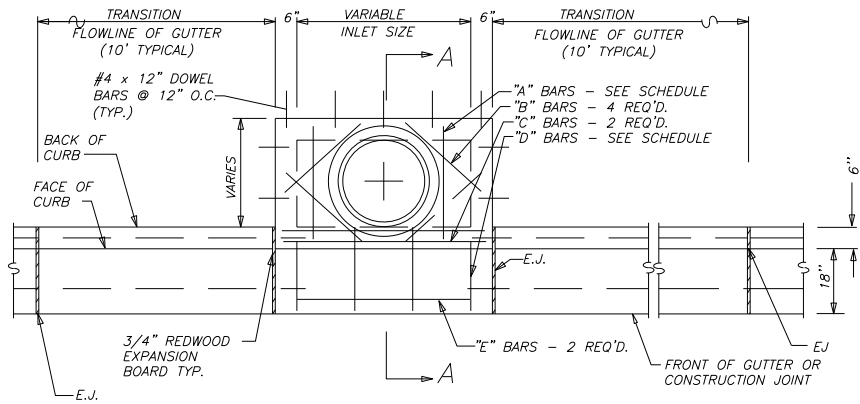


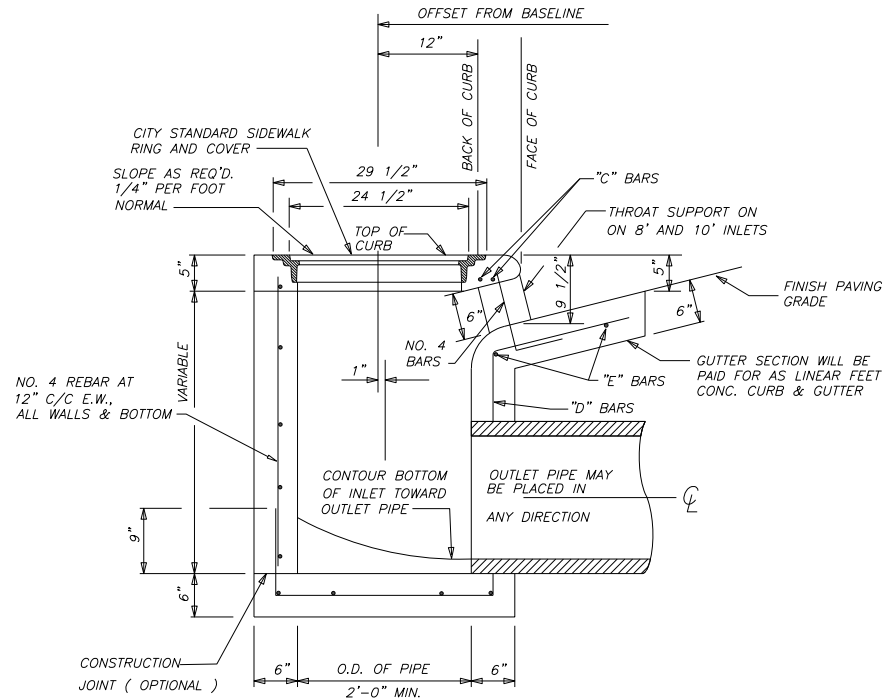


PLAN OF STANDARD CURB INLET

NOT TO SCALE

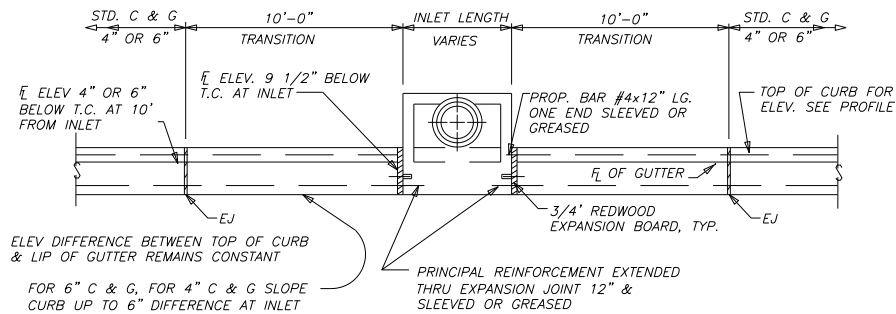
SPECIAL NOTE:

- CONTRACTOR TO PROVIDE #4 x 12" DOWELS @ 12" O.C. WHERE PROP. SIDEWALK ABUTS INLET. (NO SEPARATE PAYMENT)
- FOR CURB INLET THROAT EXTENSION DETAILS REFER TO STORM WATER STANDARD DETAIL SHEET 3 OF 3.



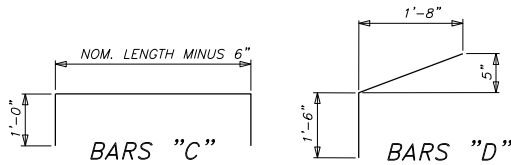
SECTION A-A

NOT TO SCALE



FLOWLINE TRANSITION AT INLET FOR 4" OR 6" STD. CURB AND GUTTER

NOT TO SCALE



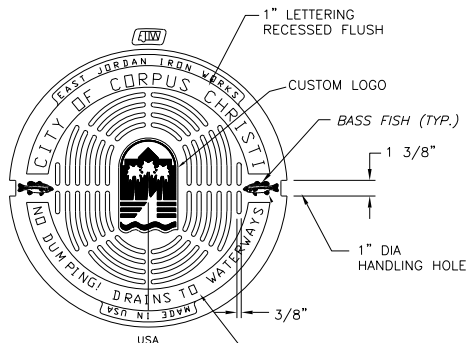
** THROAT OPENINGS SHALL HAVE A 6" X 6" CONCRETE SUPPORT PLACED AT MID-THROAT

* NOMINAL LENGTH OF INLET SHALL BE DESIGNATED AS THE CLEAR WIDTH OPENING.

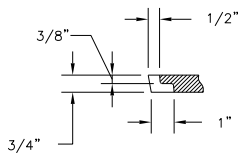
STANDARD CURB INLET STEEL SCHEDULE					
ALL BARS No. 4 PREFORMED					
INLET SIZE (Nom. Length)	NO. REQ'D./LENGTH				
	"A" BARS	"B" BARS	"C" BARS	"D" BARS	"E" BARS
4'	2/a	4/1'-10"	2/5'-6"	4/3'-2"	2/4'-6"
5'	2/a	4/3'-2"	2/6'-6"	4/3'-2"	2/5'-6"
6'	4/a	4/4'-0"	2/7'-6"	6/3'-2"	2/6'-6"
8'	4/a	4/4'-0"	2/9'-6"	6/3'-2"	2/8'-6"
10'	6/a	4/4'-0"	2/11'-6"	7/3'-2"	2/10'-6"
BENDING	STRAIGHT	STRAIGHT	SEE DET.	SEE DET.	STRAIGHT

a = O.D. + 8", 2'-8" MIN.

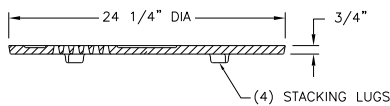
MAX. PIPE I.D. = 48 INCHES



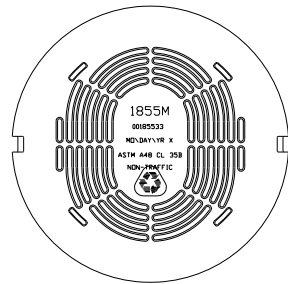
PLAN VIEW



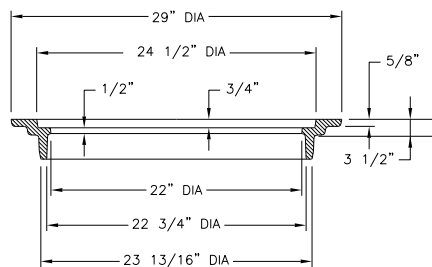
PICKSLOT DETAIL



GRATE SECTION



GRATE BLOCK



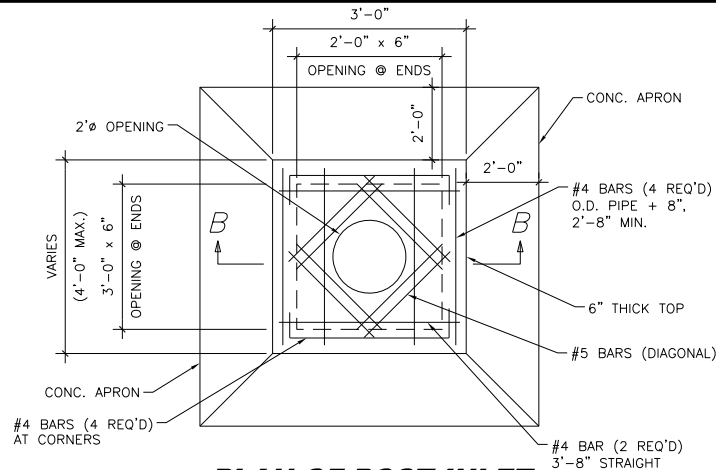
RING SECTION

CITY STANDARD INLET AND SIDEWALK MANHOLE RING & COVER CASTING DETAILS

NOT TO SCALE

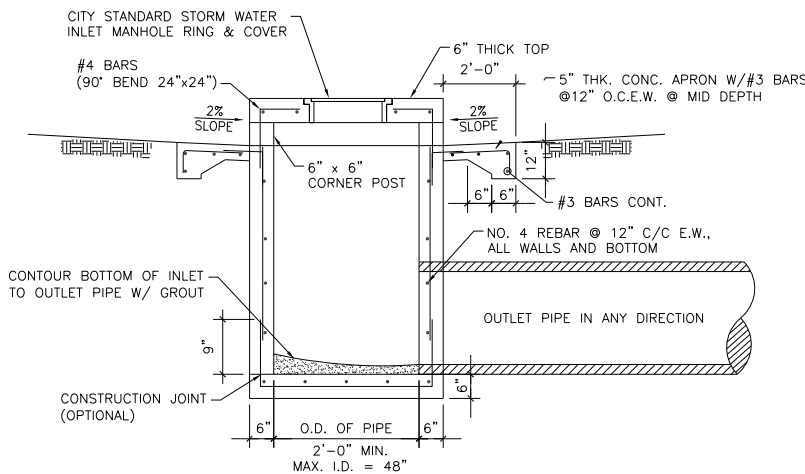
INLET AND SIDEWALK MANHOLE RING & COVER NOTES

- MANHOLE RING & COVER SHALL BE EAST JORDAN 1855 MANHOLE ASSEMBLY FOR LOAD RATING NON-TRAFFIC.
- THESE DETAILS SHOW GREY-IRON CASTINGS, FILLETED AT ANGLES WITH SHARP AND PERFECT ARISES.
- CASTING SHALL BE TRUE TO PATTERN, FORM, AND DIMENSIONS, FREE FROM CRACKS, SPONGINESS AND BLOWHOLES.
- MACHINE SURFACES TO YIELD FIT WHICH WILL NOT RATTLE WITH PASSING TRAFFIC LOAD.
- TRAFFIC SHALL BE RESTRICTED FROM M.H. FOR 36 HOURS AFTER PLACEMENT OF RING.
- OTHER CASTING PATTERNS FOR RING & COVERS MAY BE SUBMITTED FOR APPROVAL PROVIDED THE PATTERN OF COVER IS THE SAME AS SHOWN ON THIS SHEET AND PROVIDED OTHER CASTINGS SHALL BE COMPLETELY INTERCHANGEABLE, I.E., THE COVERS OF THIS SHEET SHALL FIT PROPERLY, THE RINGS OF OTHER CASTING DETAILS AND THE COVERS OF OTHER CASTINGS SHALL FIT THE RINGS OF THIS SHEET.
- MINIMUM WEIGHTS OF FINISHED CASTINGS: THE COVER = 68 POUNDS, THE RING = 86 POUNDS.



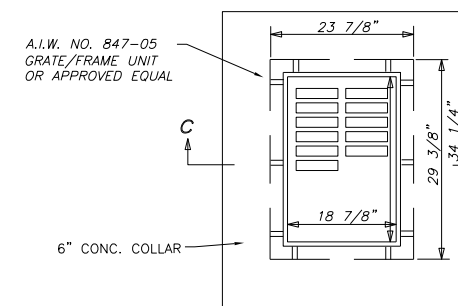
PLAN OF POST INLET

NOT TO SCALE



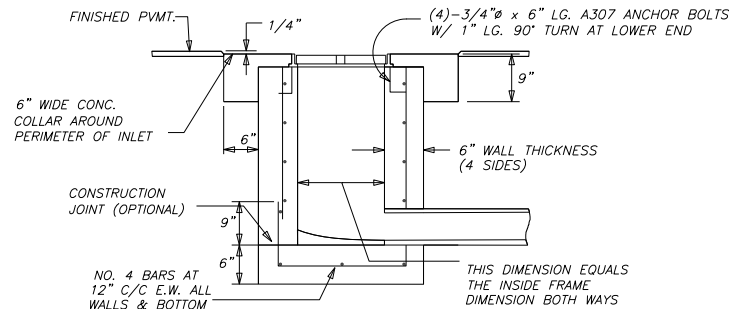
SECTION B-B

NOT TO SCALE



PLAN OF STANDARD GRATE INLET

NOT TO SCALE



SECTION C-C

NOT TO SCALE

THE CITY OF CORPUS CHRISTI STANDARD DETAIL SHEET IS AUTHORIZED FOR USE AS APPLICABLE TO THIS PROJECT BY THE ENGINEER OR ARCHITECT WHO'S SEAL APPEARS ON THIS SHEET. THE ENGINEER/ARCHITECT AFFIRMS THAT THE DETAILS AND NOTES ON THIS SHEET HAVE NOT BEEN ALTERED OTHER THAN TO FILL IN THE PROJECT SPECIFIC INFORMATION IN THE TITLE BLOCK

CONSULTANT'S SHEET No.



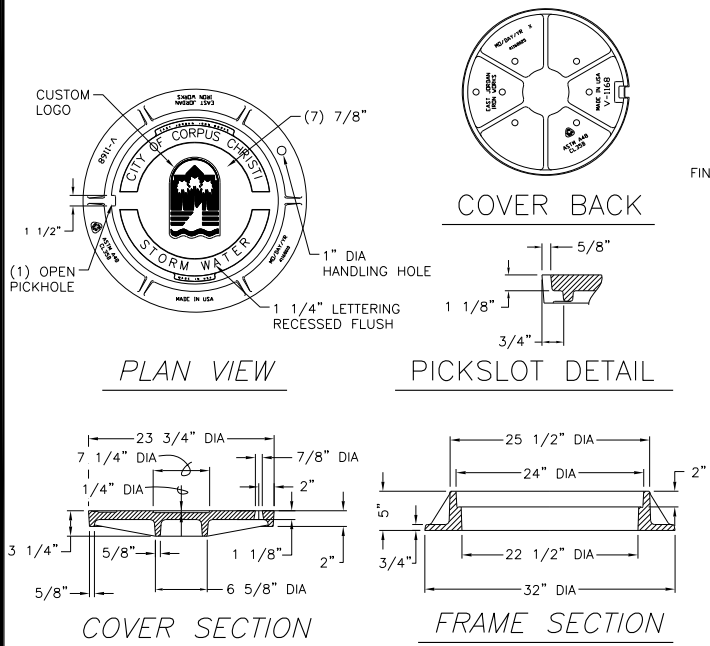
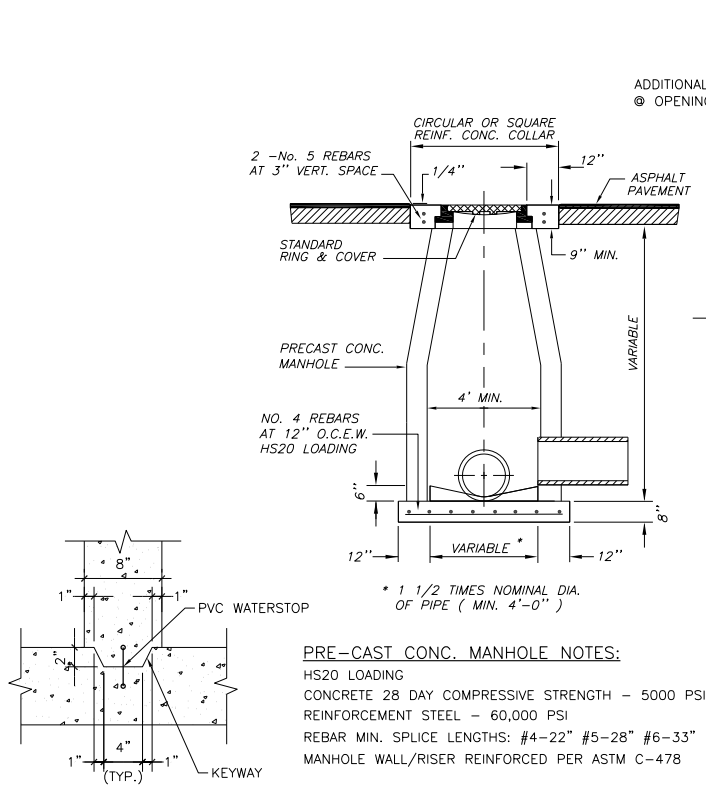
CITY of CORPUS CHRISTI
TEXAS
Department of Engineering Services

CITY OF CORPUS CHRISTI
STORM WATER STANDARD DETAILS

1 OF 3

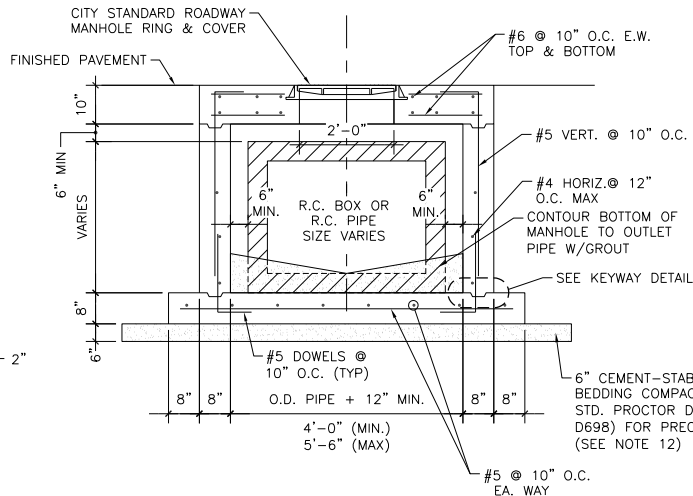
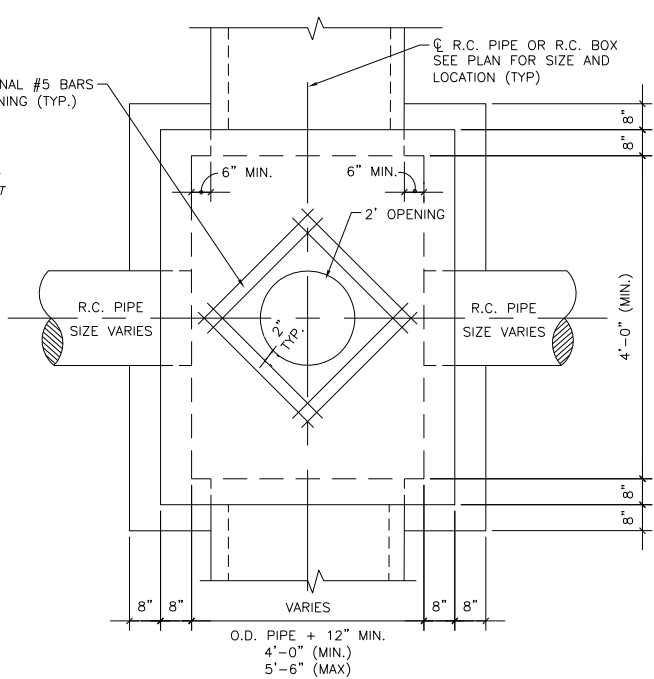
SHEET _____ of _____
RECORD DRAWING NO.

CITY PROJECT # _____

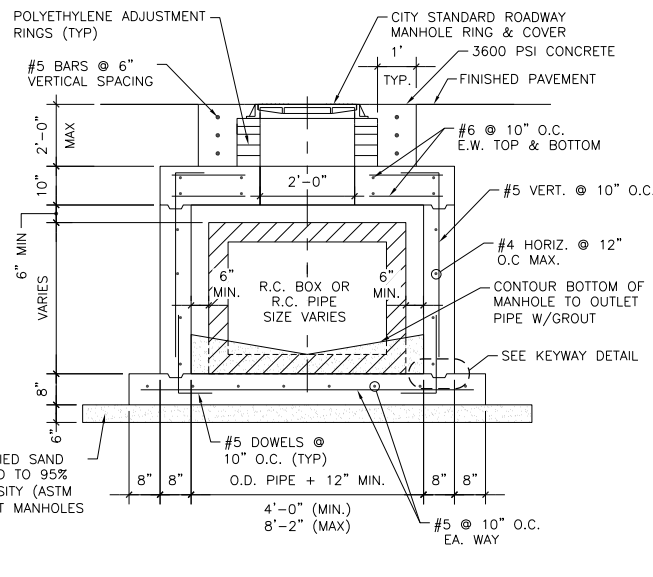
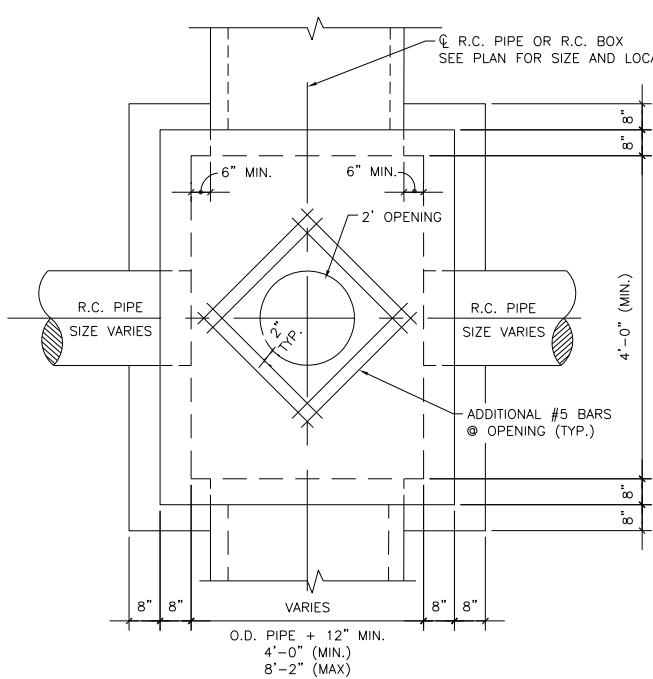


ROADWAY MANHOLE RING & COVER NOTES

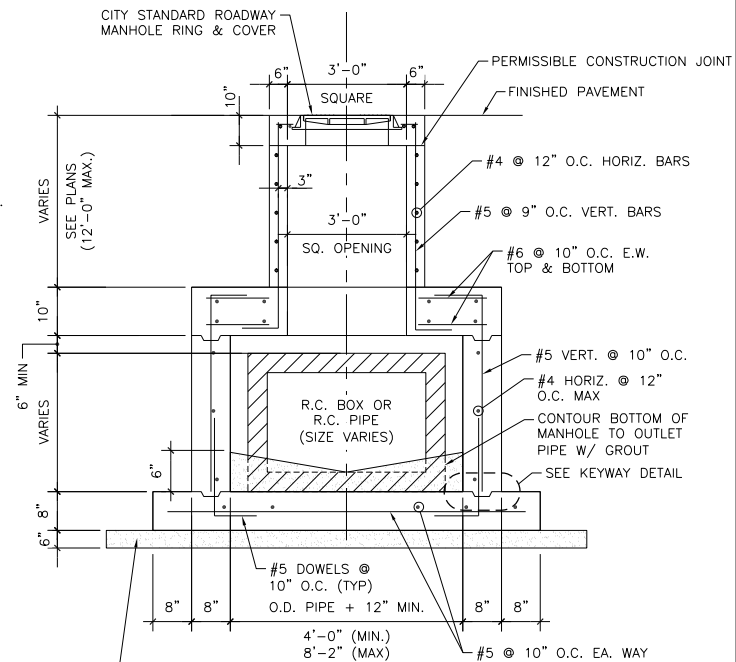
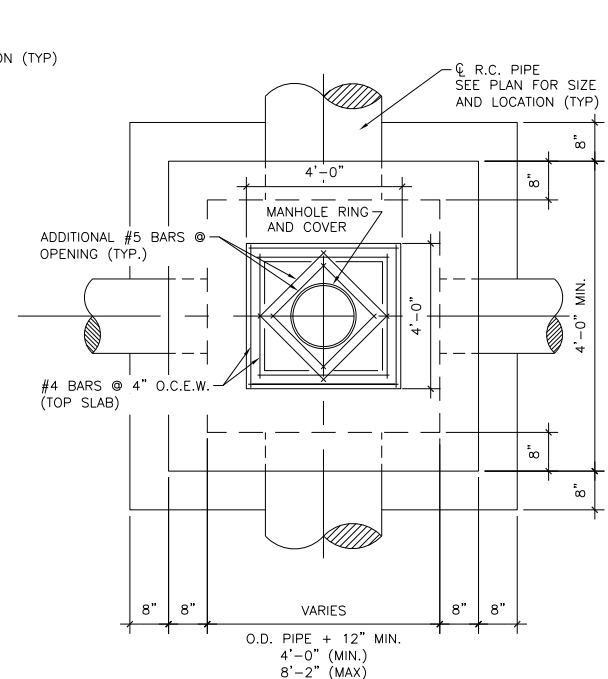
- MANHOLE RING & COVER SHALL BE EAST JORDAN V 1168 ASSEMBLY AND FOR SCHOOL ZONE SHALL BE EAST JORDAN BOLTED-IN 1168 ASSEMBLY LOAD RATING HEAVY DUTY.
- THESE DETAILS SHOW GREY-IRON CASTINGS, FILLETED AT ANGLES WITH SHARP AND PERFECT ARISES.
- CASTING SHALL BE TRUE TO PATTERN, FORM, AND DIMENSIONS, FREE FROM CRACKS, SPONGINESS AND BLOWHOLES.
- MACHINE SURFACES TO YIELD FIT WHICH WILL NOT RATTLE WITH PASSING TRAFFIC LOAD.
- TRAFFIC SHALL BE RESTRICTED FROM M.H. FOR 36 HOURS AFTER PLACEMENT OF RING.
- OTHER CASTING PATTERNS FOR RING & COVERS MAY BE SUBMITTED FOR APPROVAL PROVIDED THE PLAN PATTERN OF COVER IS THE SAME AS SHOWN ON THIS SHEET AND PROVIDED OTHER CASTINGS SHALL BE COMPLETELY INTERCHANGEABLE, I.E., THE COVERS OF THIS SHEET SHALL FIT PROPERLY, THE RINGS OF OTHER CASTING DETAILS AND THE COVERS OF OTHER CASTINGS SHALL FIT THE RINGS OF THIS SHEET.
- MINIMUM WEIGHTS OF FINISHED CASTINGS : THE COVER = 154 POUNDS, THE RING = 175 POUNDS.
- HDPE MANHOLE ADJUSTMENT RINGS SHALL BE DESIGNED TO SUPPORT HS 20 TRAFFIC LOADING.



NOTE:
LATERAL PIPES NOT SHOWN FOR CLARITY

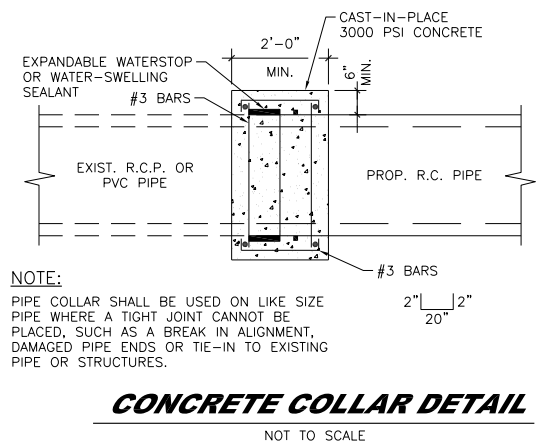
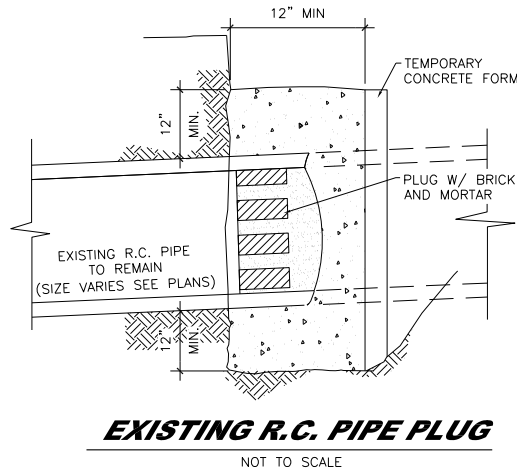
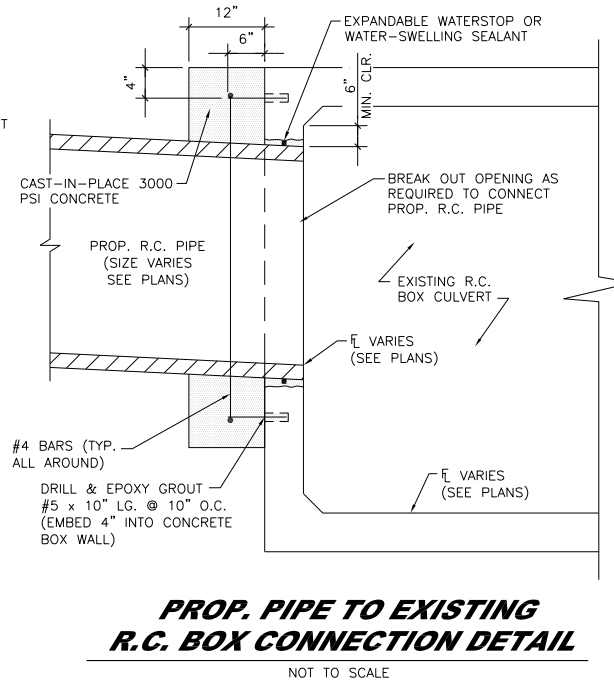
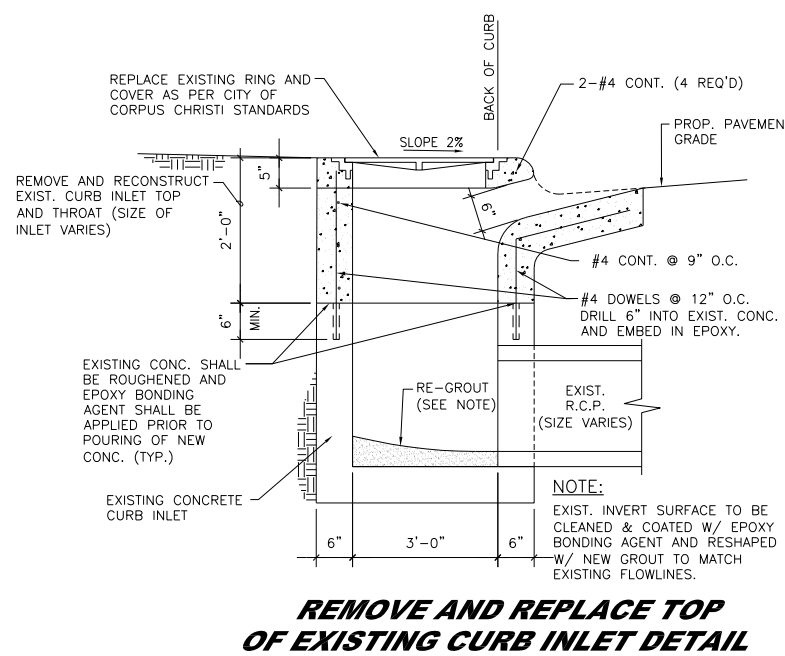
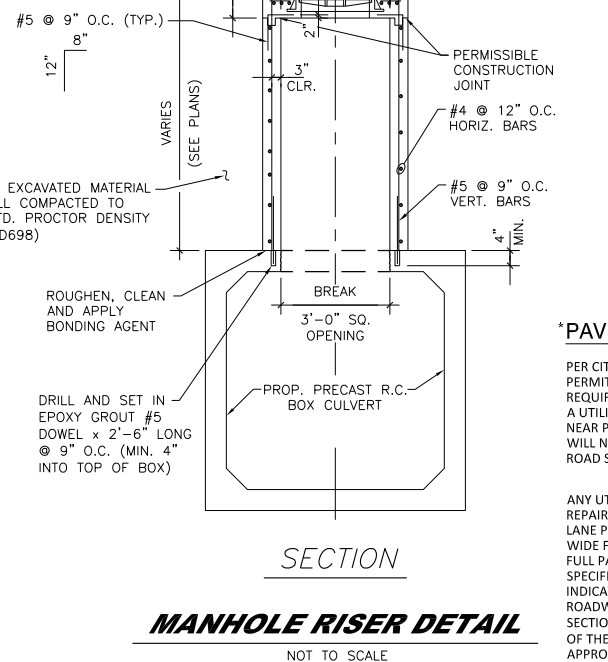
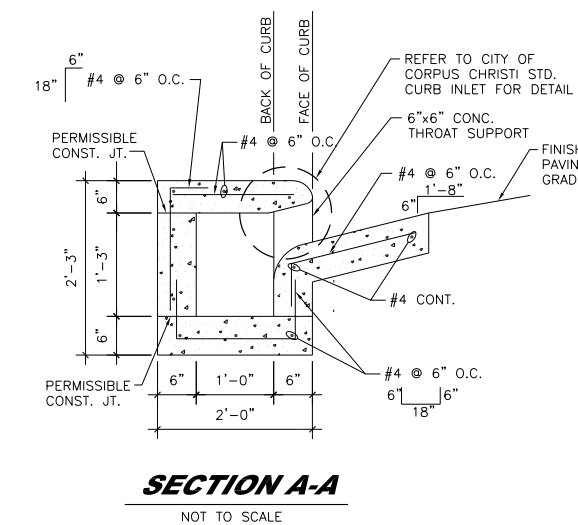
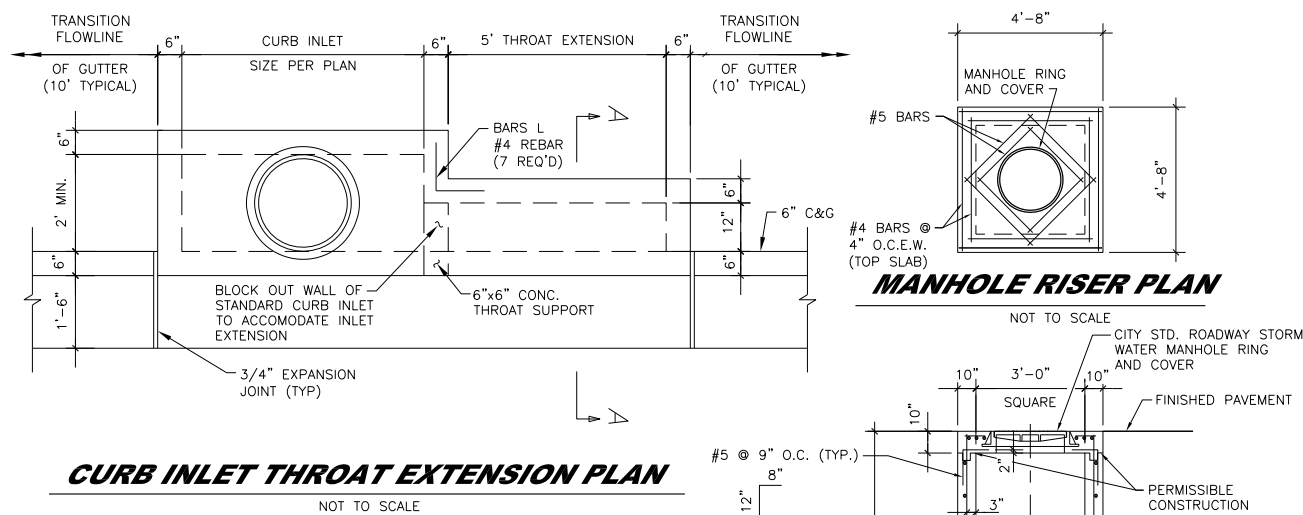


NOTE:
LATERAL PIPES NOT SHOWN FOR CLARITY



NOTE:
LATERAL PIPES NOT SHOWN FOR CLARITY

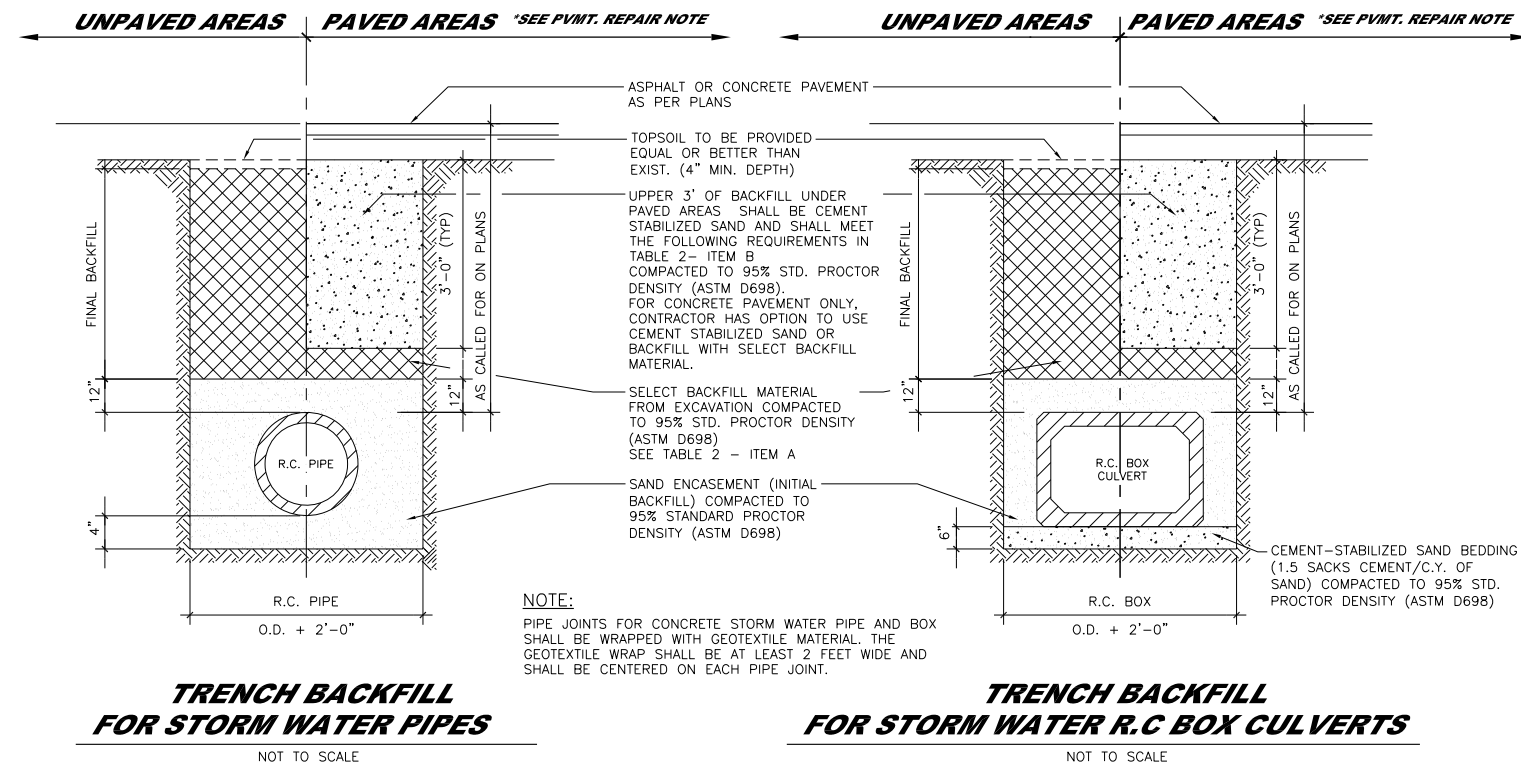
THE CITY OF CORPUS CHRISTI STANDARD DETAIL SHEET IS AUTHORIZED FOR USE AS APPLICABLE TO THIS PROJECT BY THE ENGINEER OR ARCHITECT WHO'S SEAL APPEARS ON THIS SHEET. THE ENGINEER/ARCHITECT AFFIRMS THAT THE DETAILS AND NOTES ON THIS SHEET HAVE NOT BEEN ALTERED OTHER THAN TO FILL IN THE PROJECT SPECIFIC INFORMATION IN THE TITLE BLOCK



* PAVEMENT REPAIR NOTE:

PER CITY ORD. 030040 ARTICLE III CUTS AND EXCAVATIONS, A PERMIT FROM CITY DEVELOPMENT SERVICES DEPARTMENT IS REQUIRED FOR ALL UTILITY STREET CUTS. THE INSTALLATION OF A UTILITY THAT CROSSES THE ROW AT A PERPENDICULAR OR NEAR PERPENDICULAR ANGLE AND HAS AN O.D. OF 6" OR LESS WILL NOT BE PERMITTED TO BE INSTALLED BY CUTTING THE ROAD SECTION.

ANY UTILITY RELATED STREET EXCAVATION/CUT SHALL INCLUDE REPAIR OF NOT ONLY THE IMPACTED TRENCH, BUT ALSO A FULL LANE PAVEMENT SURFACE REPAIR FOR PARALLEL CUTS OR 12' WIDE FOR PERPENDICULAR CUTS ON ASPHALT STREETS, AND FULL PANEL REPLACEMENT ON CONCRETE STREETS. A SITE SPECIFIC PAVEMENT CUT AND RESTORATION PLAN THAT INDICATES THE GENERAL NATURE OF THE PAVEMENT AND ROADWAY TO BE EXCAVATED AND REPAIRED, THE EXISTING PAVEMENT SYSTEM (UNKNOWN), THE LOCATION AND APPROXIMATE AREA OF THE EXCAVATION/PAVEMENT REPAIR, INCLUDING THE APPROXIMATE LENGTH AND WIDTH OF THE PAVEMENT REPAIR IN RELATION TO THE ROADWAY TRAVEL LANE(S), MUST BE INCLUDED IN THE DRAWINGS/PERMIT APPLICATION.



GENERAL NOTES FOR BACKFILL																					
TABLE 1 BEDDING AND INITIAL BACKFILL (BELOW PIPE TO 12" ABOVE PIPE)	TABLE 2 FINAL BACKFILL (GREATER THAN 12" ABOVE PIPE)																				
UNPAVED AREAS	PAVED AREAS**																				
ALL BEDDING AND INITIAL BACKFILL SHALL CONSIST OF GRANULAR MATERIAL CONSISTING OF EITHER NATURAL SAND OR SANDY GRAVEL, OR MATERIAL PRODUCED BY CRUSHING OF NATURAL STONE OR GRAVEL. SEWER LINES: 1. EXCAVATIONS <20FT. DEEP AND ABOVE WATER TABLE, USE MATERIAL MEETING THE FOLLOWING CRITERIA. MEETING REQUIREMENTS OF ASTM D2487 FOR: <table> <tr> <td>SP</td><td>GP</td></tr> <tr> <td>SW</td><td>GW</td></tr> <tr> <td>SP-SM</td><td>GP-GM</td></tr> <tr> <td>SW-SM</td><td>GW-GM</td></tr> </table> AND IN ADDITION: PASSING 1/2" SIEVE – 100% PASSING #4 SIEVE – 30% MINIMUM PLASTICITY INDEX (PI) – NP TO 10 MAX. 2. IN DEEP EXCAVATIONS (>20') OR BELOW WATER TABLE, USE CRUSHED STONE OR CRUSHED GRAVEL MEETING GRADATION OF: A. CONCRETE COARSE AGGREGATE OR CRUSHED LIMESTONE; TxDOT ITEM 421; GRADE 2, 3, OR 4. FOR ALL UTILITIES: 1. FOR PIPE DIAMETER EQUAL TO OR SMALLER THAN 16", USE 4" MINIMUM BEDDING UNDER PIPE. 2. FOR PIPE DIAMETER GREATER THAN 16", USE 6" MINIMUM BEDDING UNDER PIPE.	SP	GP	SW	GW	SP-SM	GP-GM	SW-SM	GW-GM	A. FOR 12" ABOVE PIPE TO 3' BELOW BOTTOM OF ROAD BASE: BACKFILL SHALL BE SELECTED MATERIAL FROM EXCAVATION OR TO BE IMPORTED MATERIAL AND SHALL MEET THE FOLLOWING: LL<35 PI 8-20 NO CLUMPS > 2" DIA. MOISTURE 0 TO +3% COMPACT 95% D698 STD PROCTOR LOOSE LIFTS OF 10" MAX OR IF SELECT MATERIAL FROM EXCAVATION DOES NOT MEET REQUIREMENTS, THEN USE CEMENT STABILIZED SAND SEE TABLE 2-ITEM B B. FOR 3' BELOW BOTTOM OF ROAD BASE TO BOTTOM OF ROAD BASE: BACKFILL SHALL BE UNIFORMLY MOISTENED AND MIXED CEMENT STABILIZED SAND AND SHALL MEET THE FOLLOWING REQUIREMENTS: SAND GRADATION: % PASSING <table> <tr> <td>1/2"</td><td>100%</td></tr> <tr> <td>#4</td><td>55-100</td></tr> <tr> <td>#10</td><td>40-100</td></tr> <tr> <td>#40</td><td>25-100</td></tr> <tr> <td>#200</td><td>10-20</td></tr> <tr> <td>PI</td><td>NP-10</td></tr> </table> 1.5 SACKS CEMENT/C.Y. OF SAND. COMPACT TO 95% OF D698. MOISTURE TO BE ADJUSTED TO (+/-2%) OF OPTIMUM.	1/2"	100%	#4	55-100	#10	40-100	#40	25-100	#200	10-20	PI	NP-10
SP	GP																				
SW	GW																				
SP-SM	GP-GM																				
SW-SM	GW-GM																				
1/2"	100%																				
#4	55-100																				
#10	40-100																				
#40	25-100																				
#200	10-20																				
PI	NP-10																				

** APPLIES IF ANY PORTION OF THE TRENCH FALLS WITHIN 1' OF THE BACK OF CURB.