

NOTES:  
 THE SITE LAYOUT SHOWN IS A REPRODUCTION OF  
 CITY OF HOUSTON RECORD DRAWING NUMBER  
 36813, SHEET 6.

THE SEAL APPEARING ON THIS  
 DOCUMENT WAS AUTHORIZED BY  
 MICHAEL F. GRAVES, 79733  
 NOVEMBER 28, 2007



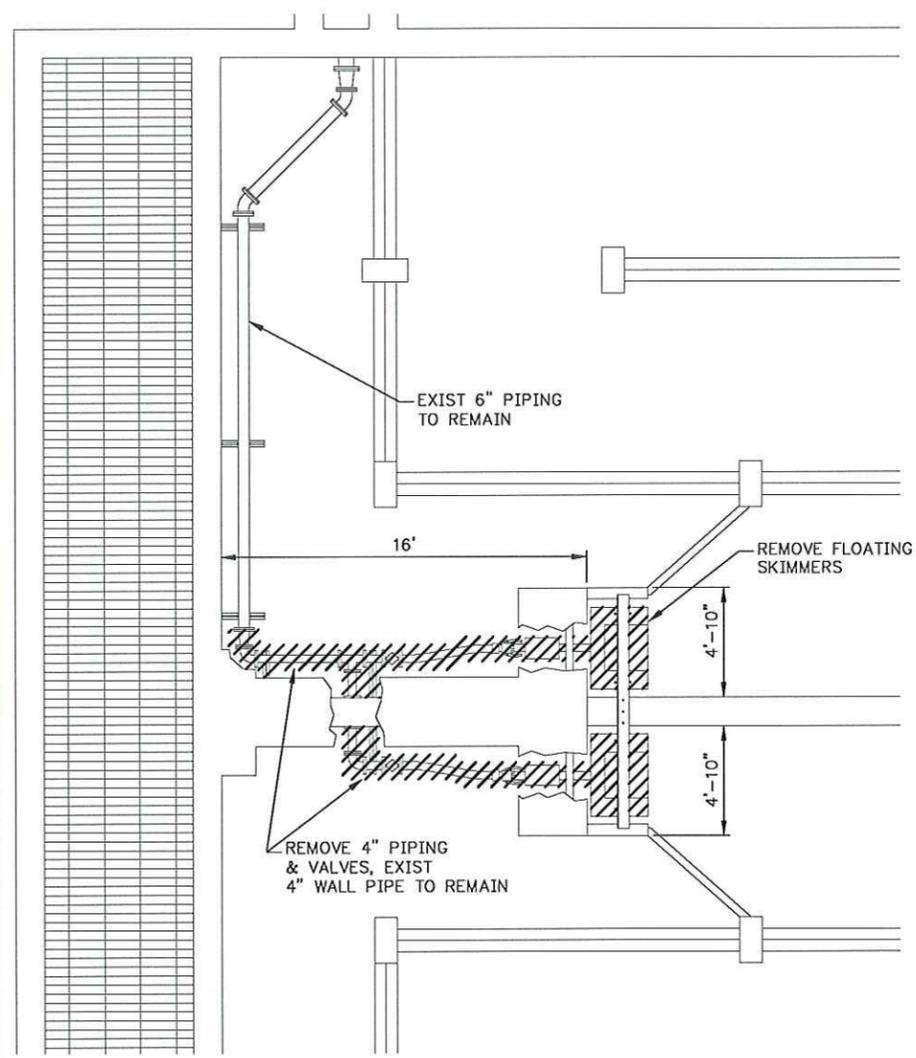
*Michael F. Graves*  
 11/28/07

**CP&Y** Chiang, Patel & Yerby, Inc.  
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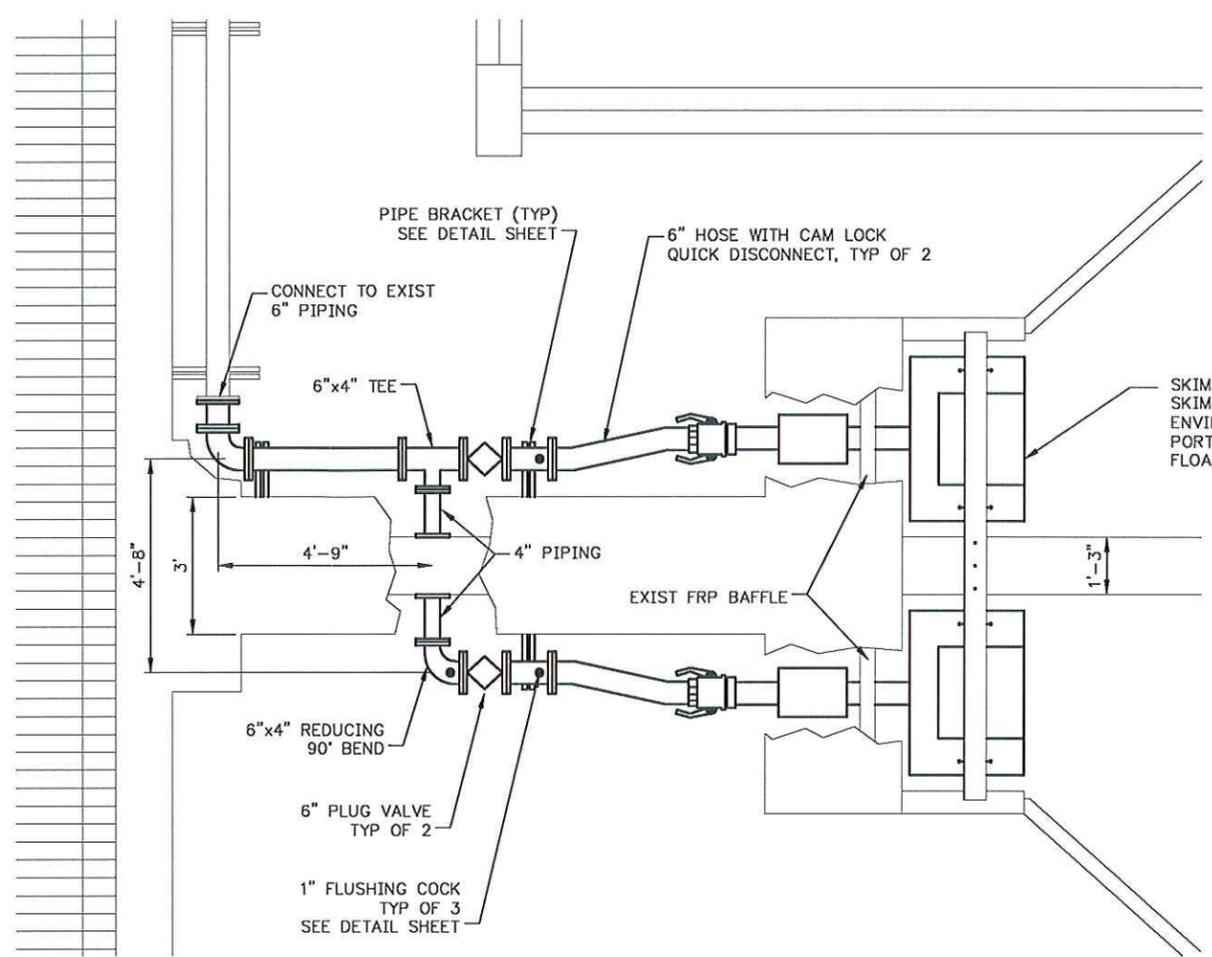
**CITY OF HOUSTON**  
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

**KEEGANS BAYOU  
 WWTTP IMPROVEMENTS**  
 PROJECT LOCATION  
**CHLORINE CONTACT BASIN  
 SKIMMER REPLACEMENT**

WBS NO.		SECTION 01110 SUMMARY OF WORK ATTACHMENT A
R-000019-0039-3		
DRAWING SCALE		
AS NOTED		
CITY OF HOUSTON PM		
IRAJ RANJBAR, P.E.		
DATE	SHEET NO.	
10/07	1 OF 3	



**CHLORINE CONTACT BASIN  
SKIMMER DEMOLITION PLAN**  
SCALE: 1/8" = 1'-0"



**CHLORINE CONTACT BASIN  
SKIMMER INSTALLATION PLAN**  
SCALE: 1/4" = 1'-0"

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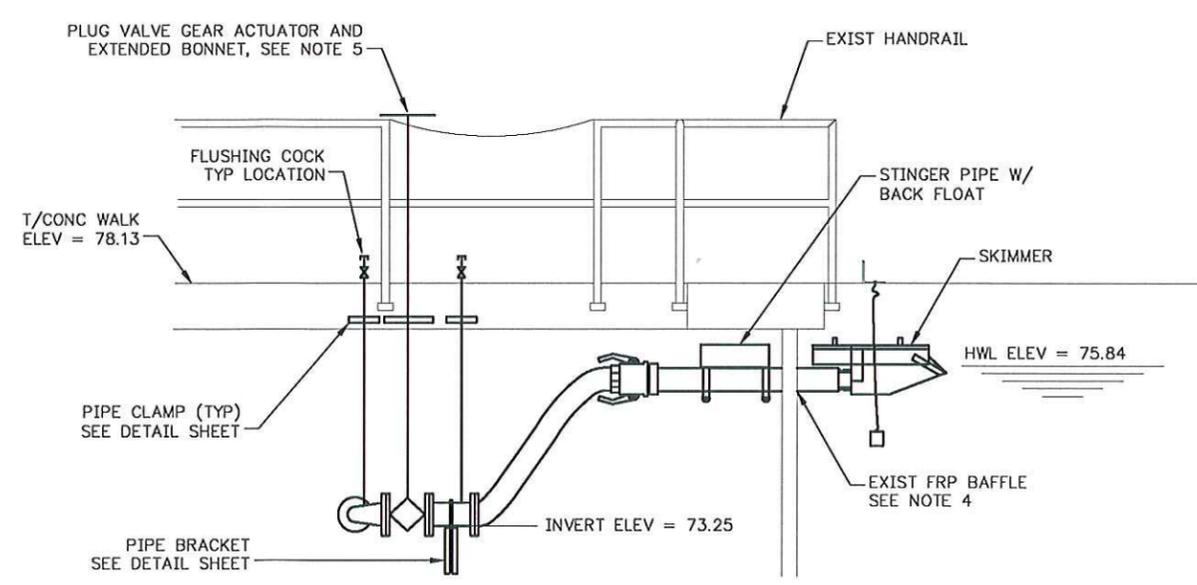
**CITY OF HOUSTON**  
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

**KEEGANS BAYOU  
WWTP IMPROVEMENTS**  
CHLORINE CONTACT BASIN  
SKIMMER  
DEMOLITION & INSTALLATION

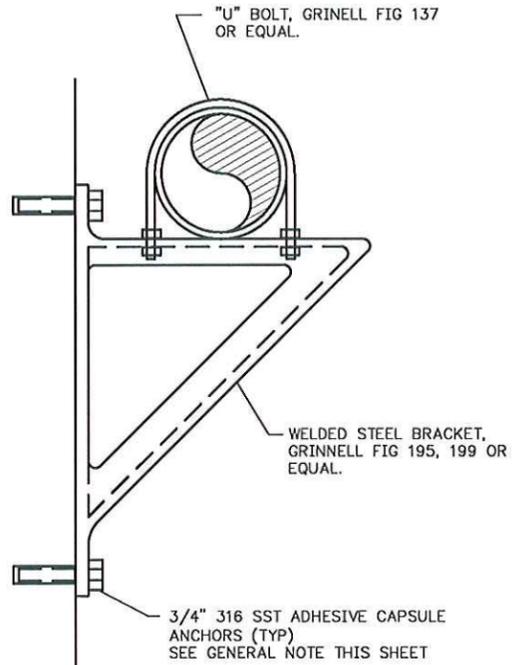
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R-000019-0089-3		
DRAWING SCALE		
AS NOTED		
CITY OF HOUSTON PM		
IRAJ RANJBAR, P.E.		
DATE	SHEET NO.	
10/07	2 OF 3	

**NOTES:**

1. INSTALL SKIMMERS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
2. DIMENSION & ELEVATIONS ARE BASED ON CITY OF HOUSTON RECORD DRAWINGS - NO. 36813.
3. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, AND PIPE SIZES.
4. CONTRACTOR TO ENLARGE OPENING IN FRP BAFFLES TO ACCOMMODATE 6" DIAMETER PIPING & TO ALLOW FOR 4" ± OF FLOAT DIFFERENTIAL.
5. PLUG VALVE BONNET LENGTH TO BE SIZED SO THAT GEAR ACTUATOR IS OPERABLE FROM CONCRETE WALK WITHOUT REMOVING HANDRAIL SAFETY CHAIN.
6. COAT / PAINT PIPING, VALVES & SUPPORTS IN ACCORDANCE WITH SPECIFICATION SECTION 09901 - PROTECTIVE COATINGS.
7. ALL PROPOSED PIPING IS 6-INCH UNLESS OTHERWISE NOTED. VALVE EXTENDED BONNET DIAMETER SHALL BE AS REQUIRED BY VALVE MANUFACTURER.



**CHLORINE CONTACT BASIN  
SKIMMER INSTALLATION ELEVATION**  
SCALE: 1/4" = 1'-0"

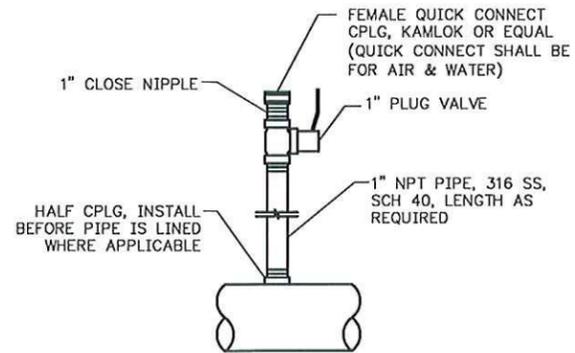


- NOTES:**
1. GALVANIZE ALL PARTS AFTER FABRICATION. WHERE SUBMERGED OR LOCATED OVER WATER, STEEL SHIELDS, BRACKETS, 'U' BOLTS, AND BOLTES ARE TO BE TYPE 316 SST.
  2. ALL SHIELDS, BRACKETS, BOLTS, AND HARDWARE SHALL BE TYPE 316 SST WHEN USED FOR SUPPORT OF SST PIPING.
  3. BRACKET, 'U' BOLT AND EPOXY ANCHORS SHALL BE RFP FOR SUPPORTS IN CHLORINE FACILITY.

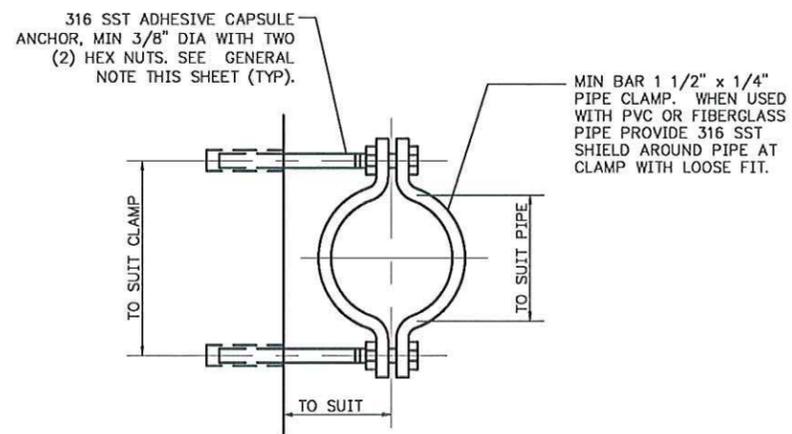
**PIPE BRACKET DETAIL**

**GENERAL NOTE:**

STAINLESS STEEL ADHESIVE CAPSULE ANCHORS SHALL BE A TWO-PART STUD & CAPSULE RESIN ANCHORING SYSTEM. CAPSULES SHALL BE SELF-CONTAINED, SEALED GLASS UNITS CONTAINING PREMEASURED AMOUNTS OF RESIN, AGGREGATES, & HARDENER. STUD ASSEMBLIES SHALL BE ALL-THREAD ANCHOR ROD WITH NUT & WASHER. INSTALL ANCHOR IN FULL COMPLIANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ANCHORS SHALL BE HILTI "HVA ADHESIVE ANCHOR", MOLLY "PARABOUND CAPSULE ANCHOR", OR EQUAL. PROVIDE MINIMUM EMBEDMENT OF 10 BOLT DIAMETERS IN CONCRETE.



**FLUSHING COCK DETAIL**



**NOTE:**

GALVANIZE ALL PARTS AFTER FABRICATION. WHERE SUBMERGED OR LOCATED ON OR ABOVE TOP OF WALL OF HYDRAULIC STRUCTURE, PIPE CLAMP, WASHER & SHIELD SHALL BE TYPE 316 SST.

**PIPE CLAMP FOR INDIVIDUAL PIPES**

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**CITY OF HOUSTON**  
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

**KEEGANS BAYOU  
WWTP IMPROVEMENTS**

CHLORINE CONTACT BASIN  
SKIMMER  
REPLACEMENT DETAILS

WBS NO.		<b>SECTION 0110 SUMMARY OF WORK ATTACHMENT A</b>
R-000019-0039-3		
DRAWING SCALE		
AS NOTED		
CITY OF HOUSTON PM		
IRAJ RANJBAR, P.E.		
DATE	SHEET NO.	
10/07	3 OF 3	