

STANDARD SPECIFICATIONS

AND

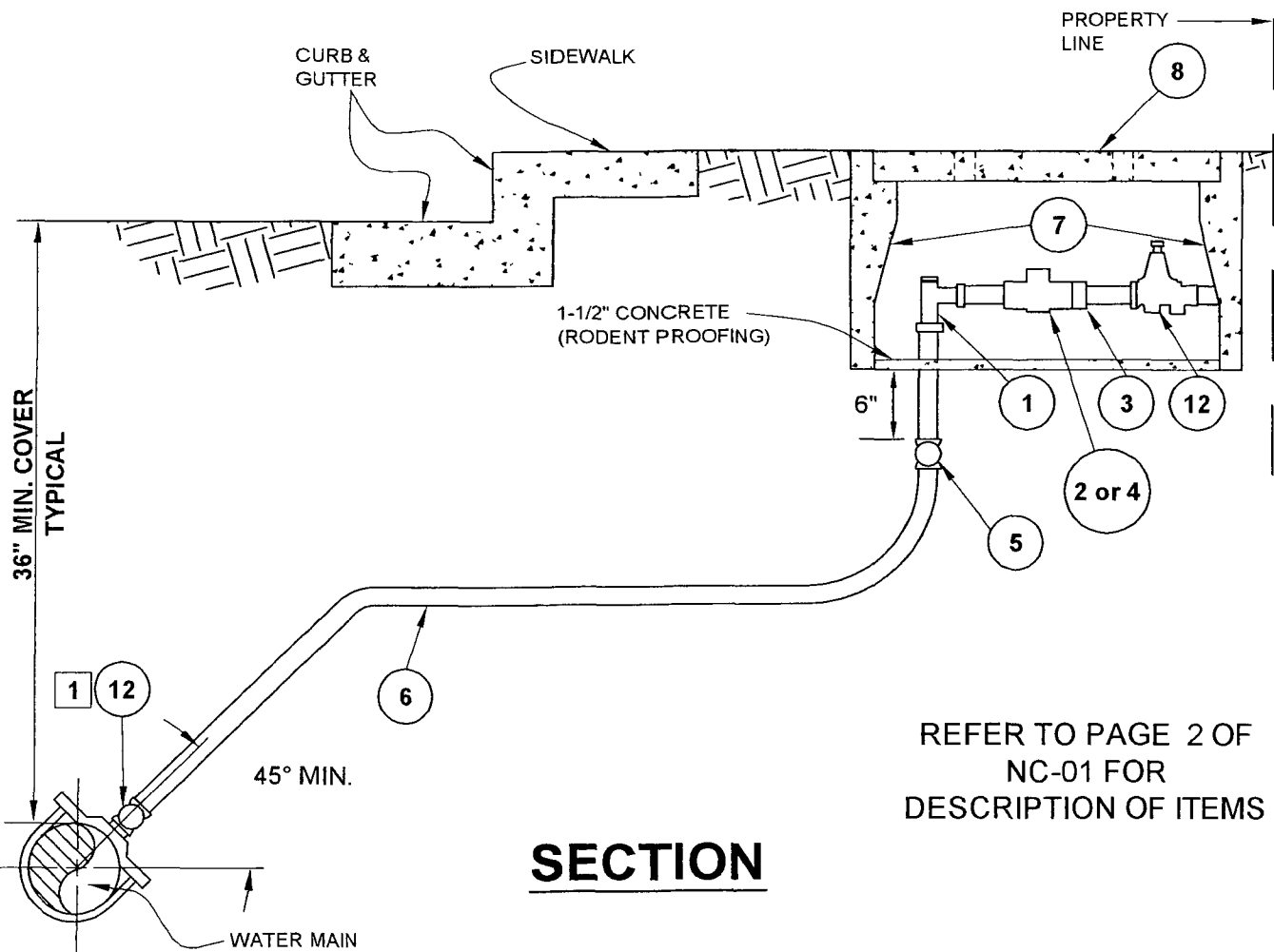
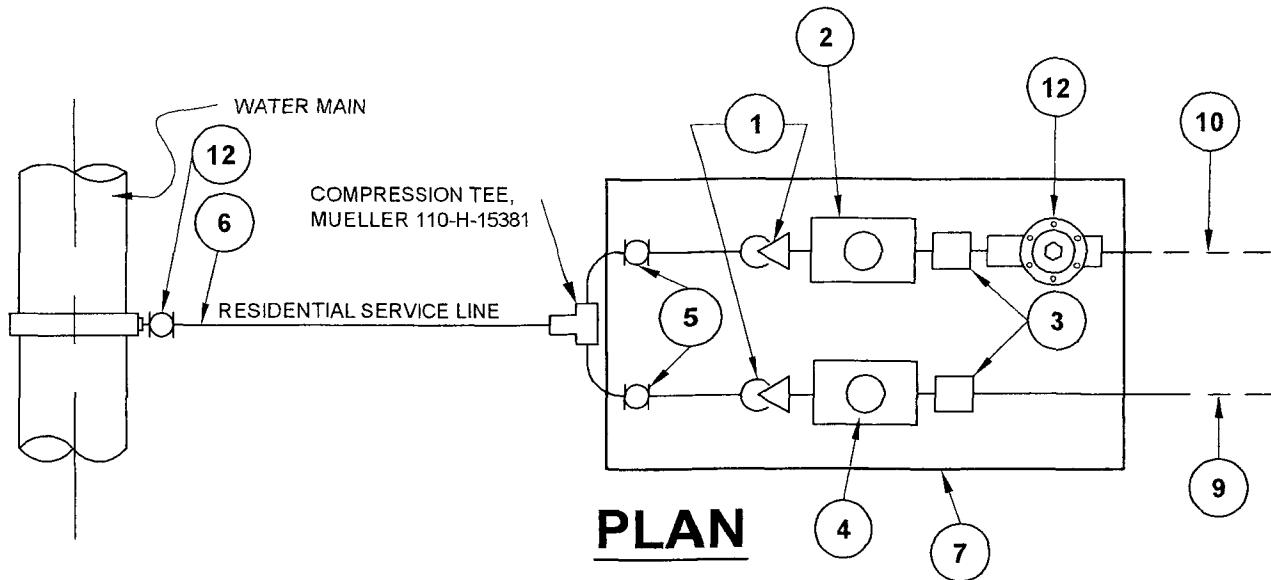
CONSTRUCTION DETAILS

AUGUST 2006

NORTH COAST COUNTY WATER DISTRICT  
2400 FRANCISCO BOULEVARD, POST OFFICE BOX 1039  
PACIFICA, CALIFORNIA 94044

## NCCWD STANDARD DETAILS

Detail	Title
NC-01	RESIDENTIAL SERVICE CONNECTION (NEW CONSTRUCTION)
NC-02	RESIDENTIAL SERVICE WITH FIRE SERVICE UPGRADE
NC-03	STANDARD SERVICE SADDLE REQUIREMENTS
NC-04	STANDARD SERVICE RECONNECTION
NC-05	DOUBLE DETECTOR CHECK BACKFLOW UNIT FOR A FIRE SERVICE CONNECTION
NC-06	¾" – 2" REDUCED PRESSURE BACKFLOW PREVENTER
NC-07	STANDARD UNDERGROUND PRV VAULT
NC-08	4X2 PRESSURE REDUCING STATION INLET PRESSURES OF 250 PSI OR LESS
NC-09	6X4X2 PRESSURE REDUCING STATION
NC-10	8X4 PRESSURE REDUCING STATION
NC-11	2" BLOWOFF ASSEMBLY
NC-12	TRANSMISSION LINE BLOWOFF ASSEMBLY
NC-13A	2" COMBINATION AIR RELEASE/VACUUM VALVE (INSTALLATIONS WITHIN IMPROVED/UNIMPROVED AREAS)
NC-13B	2" COMBINATION AIR RELEASE/VACUUM VALVE (INSTALLATIONS WITHIN IMPROVED AREAS)
NC-14	SAMPLE STATION
NC-15A	STANDARD FIRE HYDRANT WITH CHECK VALVE ASSEMBLY INSTALLATION
NC-15B	STANDARD FIRE HYDRANT INSTALLATION (EXISTING HYDRANTS ONLY)
NC-16	FIRE HYDRANT GUARD POSTS (4 POST CONFIGURATION) INSTALLATIONS IN COMMERCIAL / UNIMPROVED AREAS
NC-17	INSTALLATION OF PORTABLE WATER METERS
NC-18	WATER VALVE BOX-TRAFFIC
NC-19	GATE VALVE ASSEMBLY/TRACER WIRE DETAIL
NC-20	STANDARD THRUST BLOCK DETAILS
NC-21	STANDARD PIPE INSTALLATION
NC-22	TYPICAL SERVICE INSTALLATION TRENCH
NC-23	SEPARATION OF WATER MAINS & SANITARY SEWERS
-----	TYPICAL PRIVATE ATMOSPHERIC VACUUM BREAKER
-----	CITY OF PACIFICA STANDARD TRENCH DETAIL NOTES
-----	CITY OF PACIFICA STANDARD TRENCH DETAIL (DWG 301)
-----	CITY OF PACIFICA STANDARD TRENCH DETAIL (DWG 301A)
-----	CITY OF PACIFICA SLURRY SEAL DETAIL (A) (PLAN NO. 301 B)
-----	CITY OF PACIFICA SLURRY SEAL DETAIL (B) (PLAN NO. 301 C)
-----	CITY OF PACIFICA SLURRY SEAL DETAIL (LONGITUDINAL) (301D)
-----	CITY OF PACIFICA SLURRY SEAL DETAIL (NO CEN. LINE) (301 E)
-----	CITY OF SAN BRUNO TYPICAL TRENCH CROSS SECTION



REFER TO PAGE 2 OF NC-01 FOR DESCRIPTION OF ITEMS

**NORTH COAST COUNTY WATER DISTRICT  
RESIDENTIAL SERVICE CONNECTION (NEW CONSTRUCTION)  
(SHOWN WITH REGULATOR)**

**STANDARD  
DETAIL  
NC-01  
(page 1 of 2)**

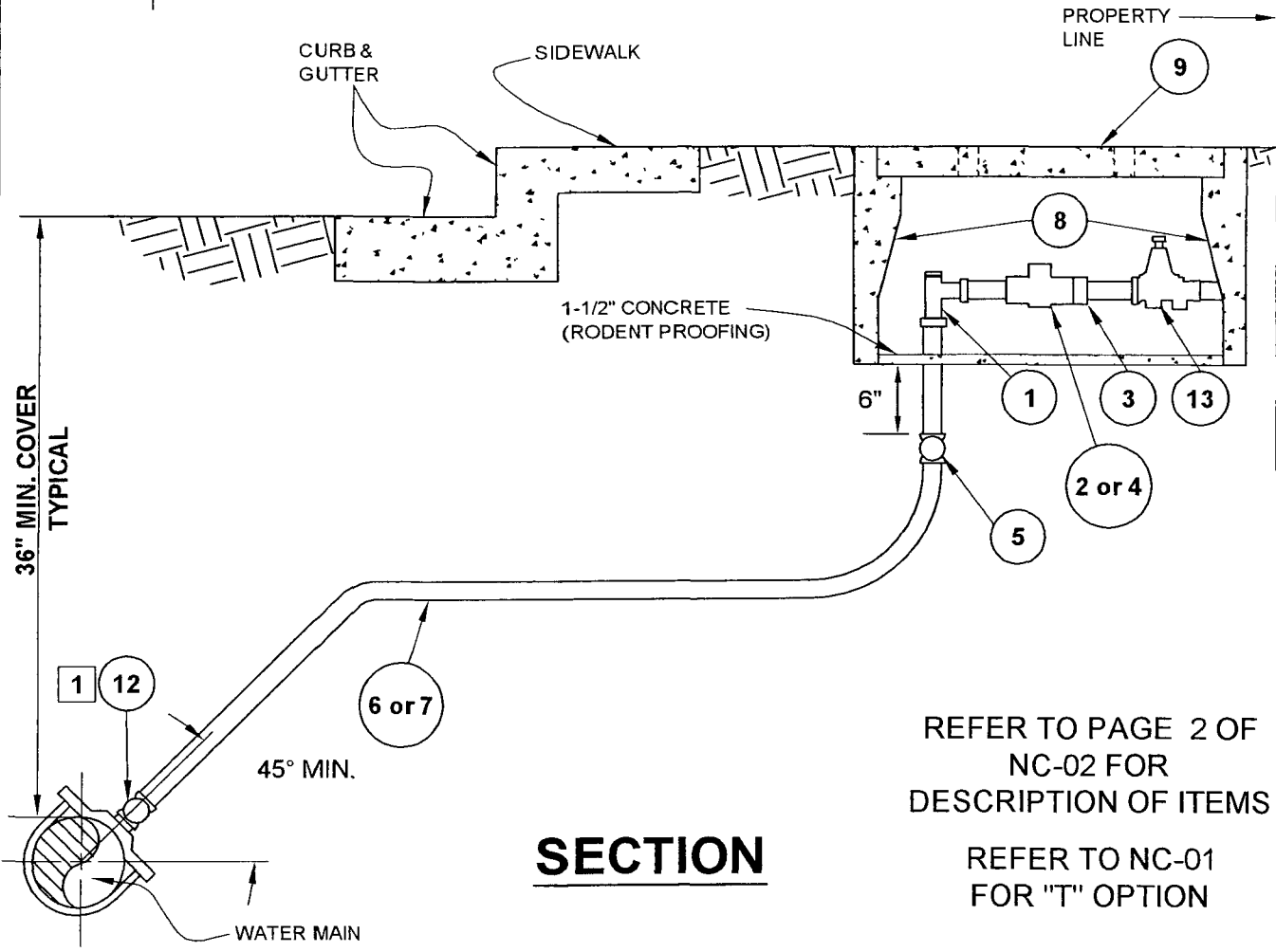
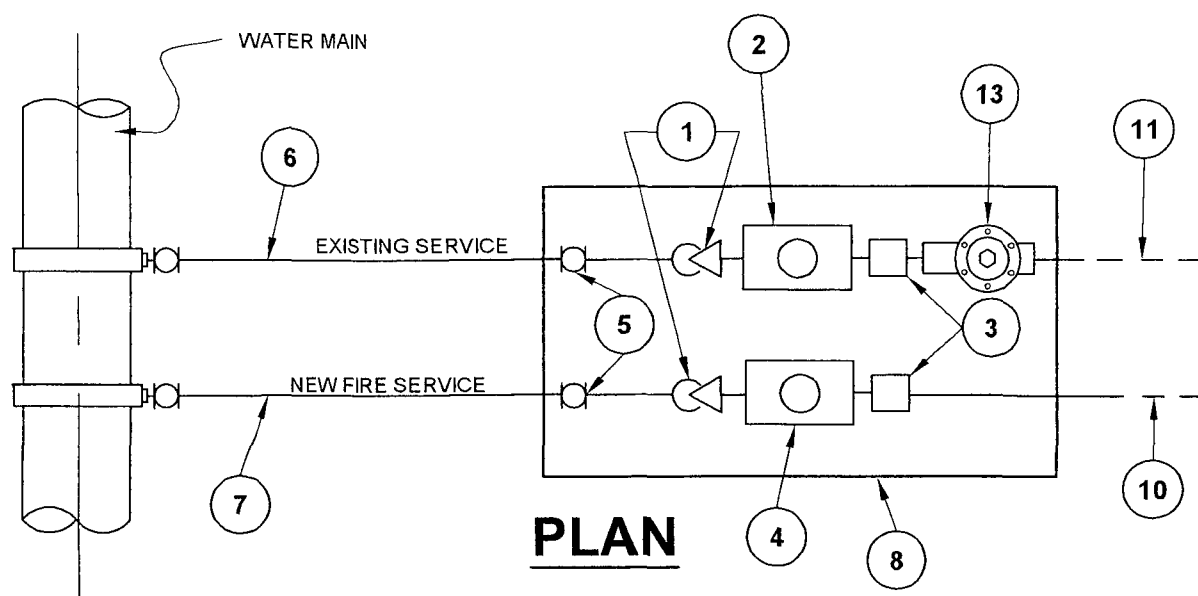
O Z	ITEM	MFR. & NO. OR TYPE
1	LOCK WING GROUND KEY ANGLE METER VALVE	MUELLER 110-H-14258
2	RADIO READ METER - DOMESTIC	INVENSYS SR II TR/PL
3	METER COUPLING MIP X METER SWIVEL NUT	MUELLER H-10871
4	RADIO READ METER - FIRE	INVENSYS SR II TR/PL
5	MUELLER CURB VALVE	MUELLER 110-H-15209
6	DISTRICT SERVICE LINE	COPPER - TYPE K (MIN 1")
7	METER BOX	CHRISTY FL30 FIBRELYTE (FL30BOX20) OR EQUIVALENT
8	LID, MARKED "WATER", W/2 HOLES FOR TOUCH PAD READER	
9	PRIVATE FIRE SERVICE LINE	AS DETERMINED BY CITY OF PACIFICA BUILDING DEPARTMENT
10	PRIVATE SERVICE LINE	
11	GROUND KEY CORPORATION VALVE "CC" THREAD	MUELLER 110-H-15008
12	REGULATOR	WATTS 1" U5B-Z3 RANGE 25-75 3/4" U5B-Z3

**NOTES:**

- 1 STAGGER ANGLES OF TAPS PER DISTRICT APPROVAL 18" MINIMUM BETWEEN TAPS & 24" MINIMUM DISTANCE AWAY FROM BELL PIPE OR COLLAR
- 2 DISTRICT DOMESTIC SERVICE LINE SET BY FIRE DEMAND WITH A 1" MINIMUM
- 3 ALL SERVICE SADDLES ARE TO BE MADE OF BRONZE WITH DOUBLE BRONZE STRAPS AND CHLORAMINE RESISTANT GASKETS MANUFACTURED BY MUELLER CO
- 4 SADDLES SHALL BE PROPERLY SIZED FOR KIND AND SIZE OF PIPE ACCORDING TO THE MANUFACTURER' INSTRUCTIONS
- 5 TORQUE REQUIREMENTS PER MANUFACTURER'S SPECIFICATIONS
- 6 ANY TAP SIZE OVER 2" REQUIRES A HOT TAP
- 7 CONTACT DISTRICT ENGINEER FOR TAPPING REQUIREMENTS ON MAINS LESS THAN 4"

**NORTH COAST COUNTY WATER DISTRICT  
RESIDENTIAL SERVICE CONNECTION (NEW CONSTRUCTION)**

**STANDARD  
DETAIL  
NC-01  
(page 2 of 2)**



REFER TO PAGE 2 OF  
NC-02 FOR  
DESCRIPTION OF ITEMS

REFER TO NC-01  
FOR "T" OPTION

**NORTH COAST COUNTY WATER DISTRICT  
EXISTING RESIDENTIAL SERVICE WITH FIRE SERVICE UPGRADE  
(SHOWN WITH REGULATOR)**

**STANDARD  
DETAIL  
NC-02  
(page 1 of 2)**

OZ	ITEM	MFR. & NO. OR TYPE
1	LOCK WING GROUND KEY ANGLE METER VALVE	MUELLER 110-H-14258
2	RADIO READ METER - DOMESTIC	INVENSYS SR II TR/PL
3	METER COUPLING MIP X METER SWIVEL NUT	MUELLER H-10871
4	RADIO READ METER - FIRE	INVENSYS SR II TR/PL
5	MUELLER CURB VALVE	MUELLER 110-H-15209
6	DISTRICT SERVICE LINE	
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**NORTH COAST COUNTY WATER DISTRICT  
RESIDENTIAL SERVICE WITH FIRE SPRINKLER**

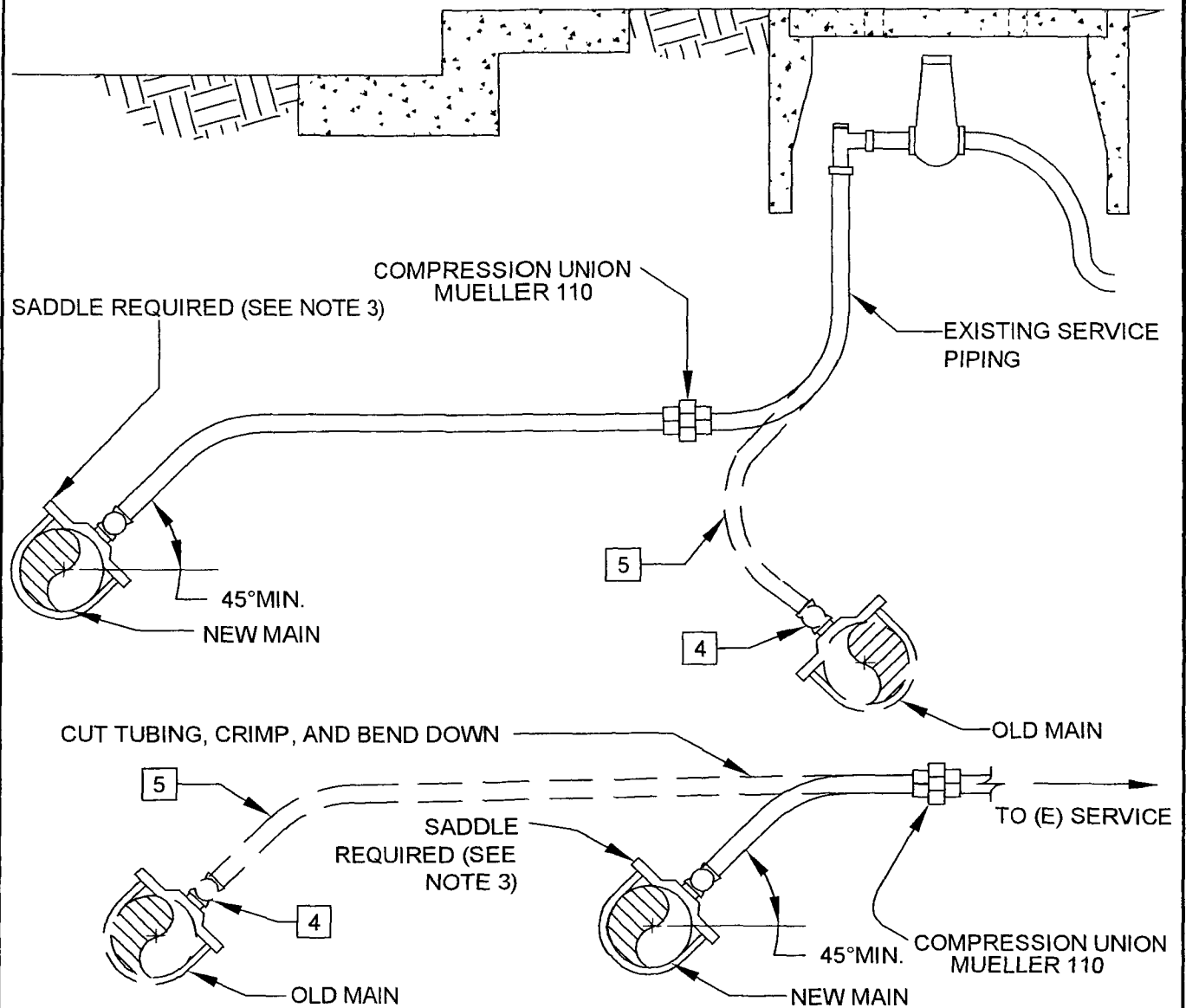
**STANDARD  
DETAIL  
NC-02  
(page 2 of 2)**

**NORTH COAST COUNTY WATER DISTRICT  
STANDARD SERVICE SADDLE REQUIREMENTS  
CAN BE NOW FOUND ON  
NC-01 OR NC-02 UNDER "NOTES"**

**NORTH COAST COUNTY WATER DISTRICT  
STANDARD SERVICE SADDLE REQUIREMENTS**

**STANDARD  
DETAIL  
NC- 03**

**AUGUST 2006**



**NOTES**

1. FOR STANDARD CONNECTION TO MAIN, SEE STANDARD DETAIL NC-01
2. REPLACE ANY GALVANIZED SERVICES FROM MAIN TO WATER METER WITH COPPER PER NC-01
3. MUELLER DOUBLE STRAP SADDLES ARE REQUIRED FOR ALL SERVICE CONNECTIONS REFER TO NC-03
4. TURN CORP STOP TO OFF POSITION.
5. SALVAGE EXPOSED COPPER PIPING, CRIMP AND ABANDON REMAINING PIPING IN PLACE

**NORTH COAST COUNTY WATER DISTRICT  
STANDARD SERVICE RECONNECTION**

**STANDARD  
DETAIL  
NC-04**

AUGUST 2006