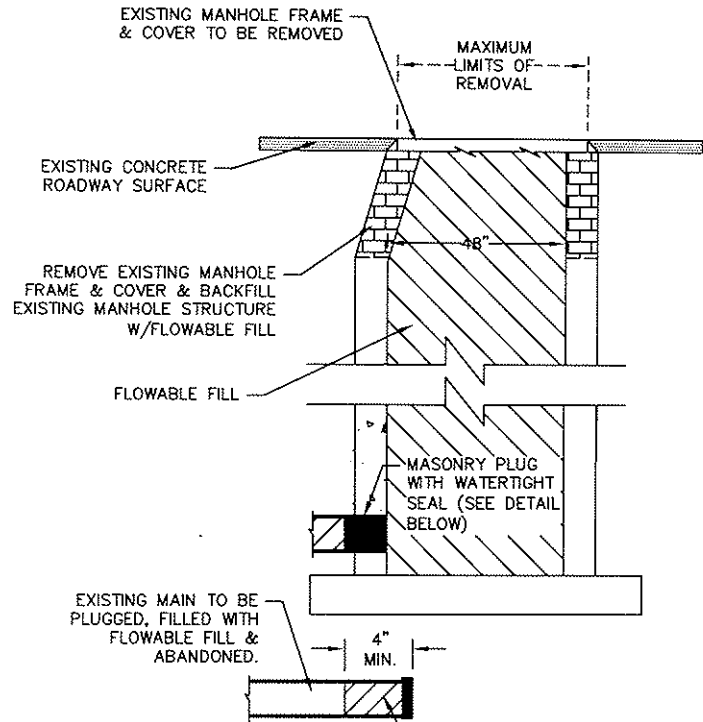


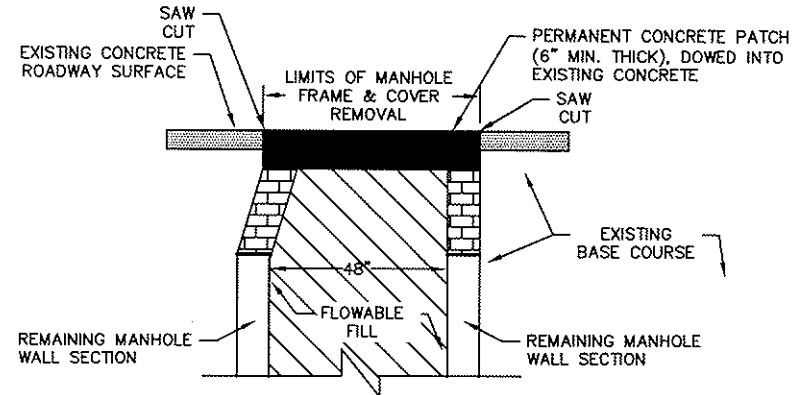
Drawing name: G:\M5712\2243 section 12 update\New CADD DWGs\8.5_TYP_S.S._DETAILS_2.dwg Plotted on: Mar 26, 2012 - 3:59pm



PLUG & ABANDON BRICK MANHOLE DETAIL (CONCRETE STREET)

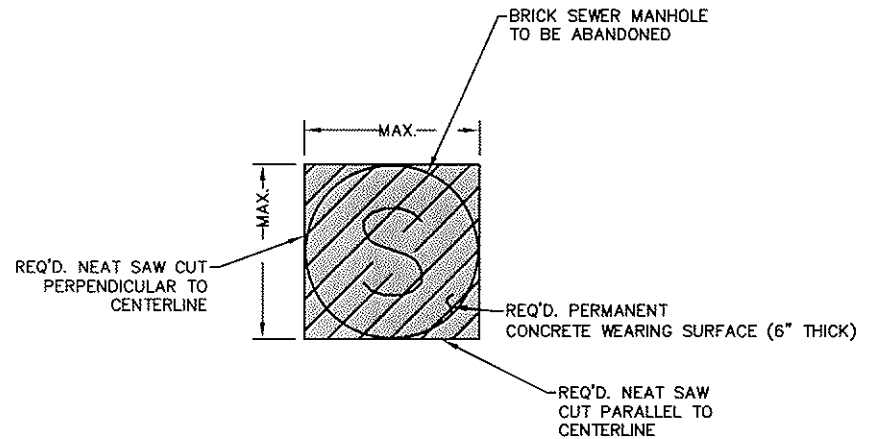
N.T.S.

- MINIMUM PLUG WIDTH = 1/2 PIPE SIZE DIAMETER
- SIKASWELL S-2, OR EQUAL, WATERTIGHT SEAL BETWEEN PIPE WALL AND MASONRY PLUG SHALL BE PROVIDED.
- THE MANHOLE FRAME & COVER SHALL BE REMOVED & EXISTING BRICK MANHOLE SHALL BE FILLED WITH FLOWABLE FILL, PRIOR TO PERMANENT CONCRETE PATCH.
- AFTER FLOWABLE FILL OBTAINS ADEQUATE HARDNESS, THE DISTURBED STREET SURFACE SHALL BE RESTORED TO MATCH THE EXISTING SURFACE CONDITIONS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- WHERE THE MANHOLES TO BE ABANDONED ARE LOCATED IN THE ROADWAY, A PERMANENT CONCRETE PATCH SHALL BE INSTALLED AS SHOWN.



BACKFILL AT ABANDON BRICK MANHOLE DETAIL (CONCRETE STREET)

N.T.S.



MANHOLE PERMANENT CONCRETE PATCH DETAIL FOR ABANDONED BRICK MANHOLE

N.T.S.

NOTE:

PAVING AND CONSTRUCTION WITHIN THE CITY OF MOBILE RIGHT OF WAY SHALL MEET THE CITY OF MOBILE'S STANDARDS.



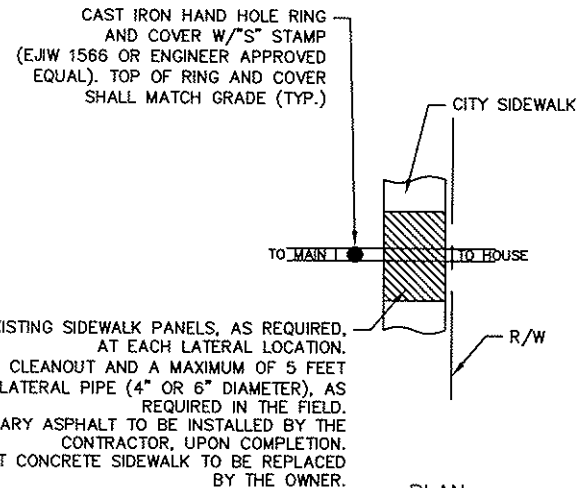
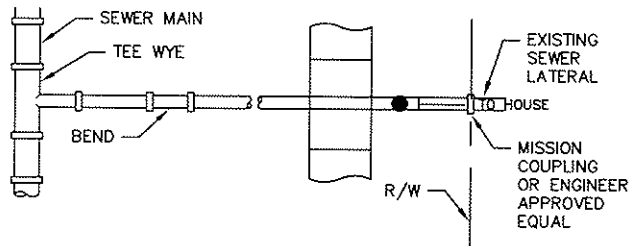
BOARD OF WATER AND SEWER COMMISSIONERS OF THE CITY OF MOBILE, ALABAMA

TYPICAL SANITARY SEWER DETAILS

PLUG & ABANDON BRICK MANHOLE DETAILS (CONCRETE STREET)

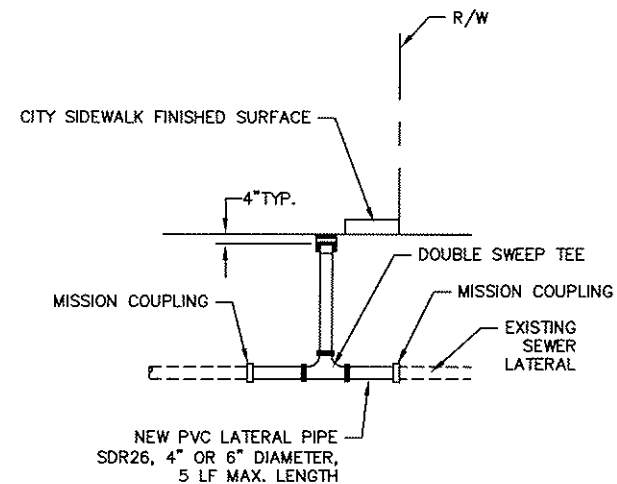
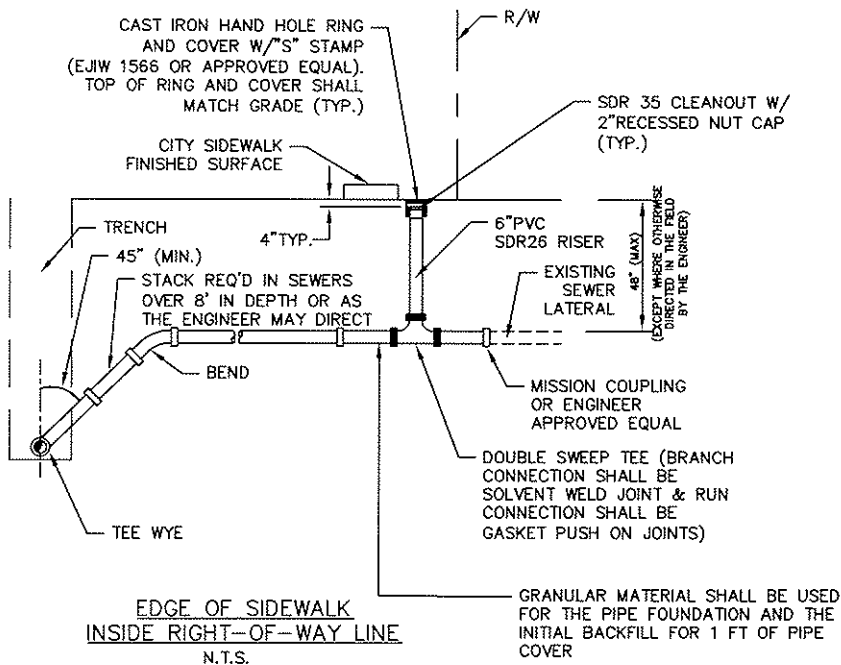
DATE ISSUED	01-11-10
SCALE	N.T.S.
DRAWING NO.	SS-104D

Drawing name: G:\M5712\2243 section 12 update\New CADD DWGs\8.5_TYP_S.S._DETAILS_2.dwg Plotted on: Mar 26, 2012 - 3:59pm



REMOVE EXISTING SIDEWALK PANELS, AS REQUIRED, AT EACH LATERAL LOCATION. INSTALL 6" CLEANOUT AND A MAXIMUM OF 5 FEET OF LATERAL PIPE (4" OR 6" DIAMETER), AS REQUIRED IN THE FIELD. TEMPORARY ASPHALT TO BE INSTALLED BY THE CONTRACTOR, UPON COMPLETION. PERMANENT CONCRETE SIDEWALK TO BE REPLACED BY THE OWNER.

PLAN
N.T.S.



ELEVATIONS
TYPICAL TEE & LATERAL INSTALLATION
N.T.S.

NOTE:

- GRAVITY LATERALS SHALL BE OF SDR 26 6" PVC PIPE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- DOUBLE SWEEP TEE SHALL BE GASKET RUN JOINTS BY SOLVENT WELD BRANCH JOINTS
- NON SEIZE GREASE, SUITABLE FOR USE WITH PVC, SHALL BE APPLIED TO THE THREADS OF THE CLEANOUT CAP.
- CONNECTION OF LATERALS TO EXISTING PIPE SHALL BE PROVIDED BY CUTTING IN TEES/TEE-WYES.
- ALL LATERAL PIPE SHALL BE INSTALLED TO THE RIGHT-OF-WAY LINE.



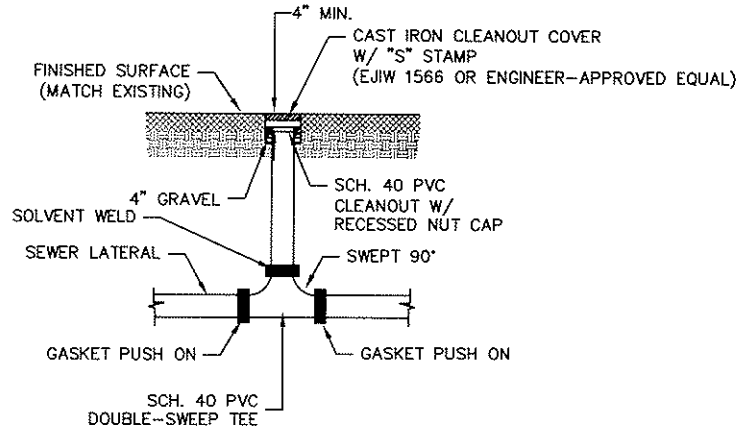
BOARD OF WATER AND SEWER COMMISSIONERS OF THE CITY OF MOBILE, ALABAMA

TYPICAL SANITARY SEWER DETAILS

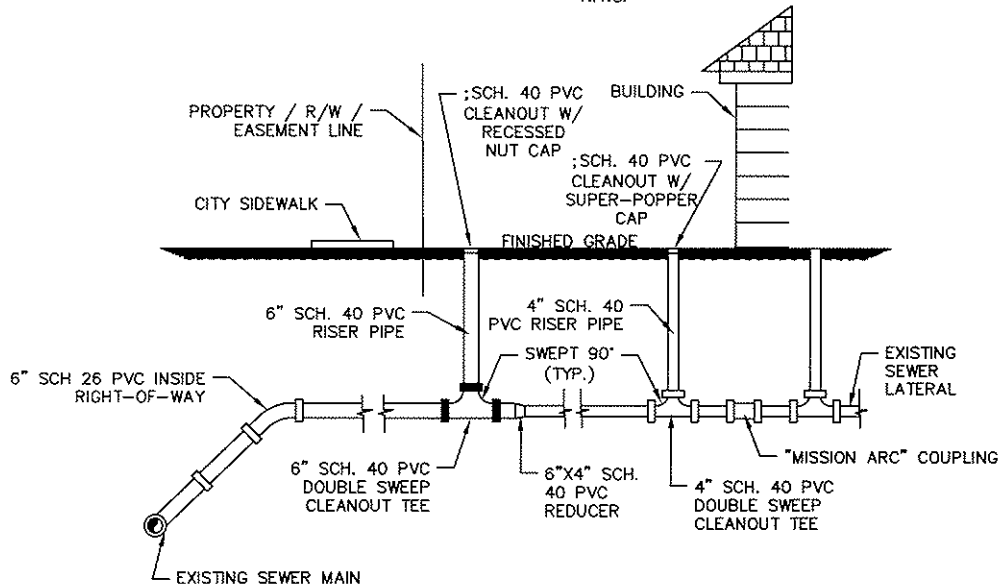
SANITARY SEWER CIPP LATERAL DETAILS

DATE ISSUED: 01-27-12
SCALE: N.T.S.
DRAWING NO: SS-112B

Drawing name: G:\M5712\2243 section 12 update\New CADD DWGs\8.5_TYP_S.S._DETAILS_2.dwg
 Plotted on: Mar 26, 2012 3:59pm



**TRAFFIC-BEARING SURFACE
 CLEANOUT DETAIL**
 N.T.S.



PRIVATE SANITARY SEWER LATERAL DETAIL
 N.T.S.

NOTES:

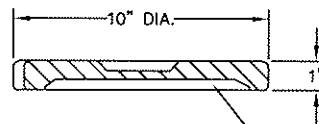
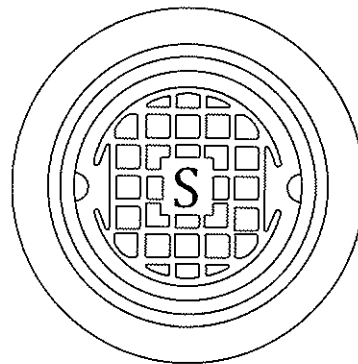
1. A CLEANOUT SHALL BE PLACED AT THE PROPERTY / RIGHT-OF-WAY / EASEMENT LINE AND WITHIN 2' TO 5' OF BUILDING OR AS APPROVED BY THE ENGINEER. CLEANOUTS PLACED AT THE BUILDINGS SHALL HAVE DOUBLE-SWEEP TEES & SUPER-POPPER CAP PER CITY OF MOBILE PLUMBING CODES.
2. A CAST IRON CLEANOUT COVER AS SHOWN IN DETAIL ABOVE SHALL BE INSTALLED IN DRIVEWAYS AND OTHER TRAFFIC-BEARING SURFACES.
3. DETAILS SHOWN ABOVE ARE TYPICAL FOR AN EXISTING 4" LATERAL LINE SIZES AND ALL ASSOCIATED ITEMS INCLUDING FITTINGS AND TEES SHALL BE EITHER 4" OR 6", AS APPROPRIATE.
4. DOUBLE SWEEP TEE SHALL BE GASKET RUN JOINTS BY SOLVENT WELD BRANCH JOINTS.



BOARD OF WATER AND SEWER
 COMMISSIONERS OF THE CITY OF
 MOBILE, ALABAMA

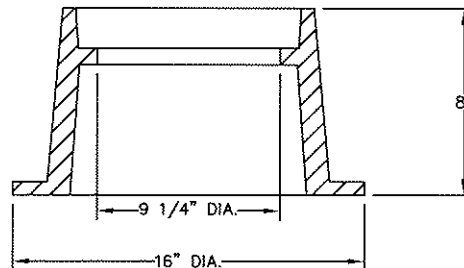
TYPICAL SANITARY SEWER DETAILS
 PRIVATE LATERAL CONNECTION DETAILS

DATE ISSUED	01-11-10
SCALE	N.T.S.
DRAWING NO.	SS-113



COVER SECTION
N.T.S.

EAST JORDAN, IRON
WORKS 1566, MONUMENT
BOX, HANDHOLE RING
AND COVER, OR EQUAL



RING SECTION
N.T.S.

RING--40 LBS.
COVER--25 LBS.

HAND HOLE RING & COVER DETAIL FOR 6" CLEANOUT
N.T.S.

NOTE:

FOR 4" CLEANOUT U.S. FOUNDRY MODEL
NO. 7610 OR EQUAL SHALL BE USED.



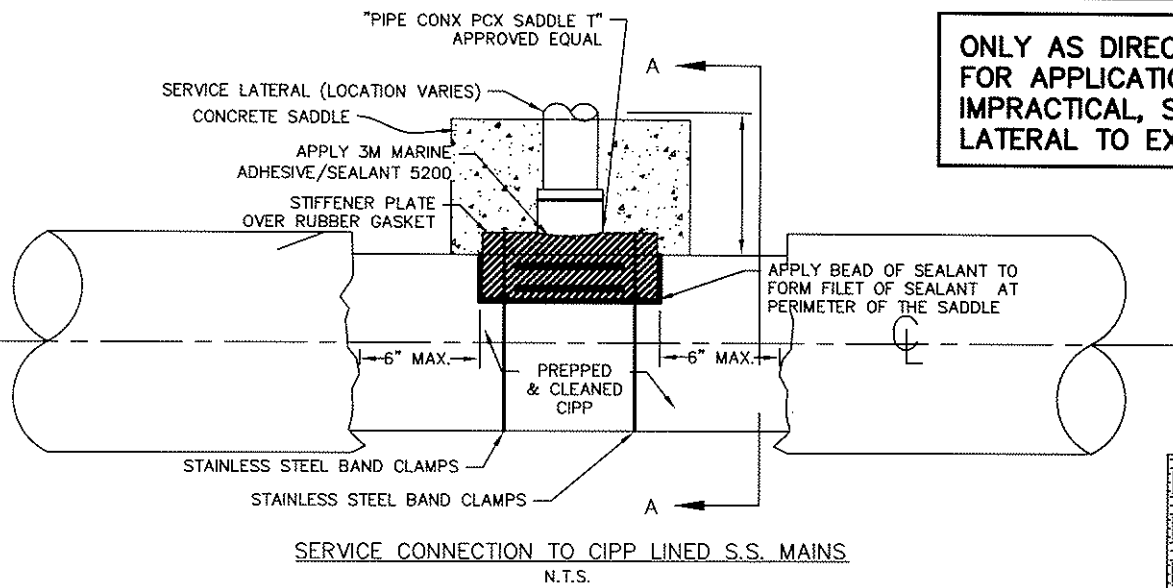
BOARD OF WATER AND SEWER
COMMISSIONERS OF THE CITY OF
MOBILE, ALABAMA

TYPICAL SANITARY SEWER DETAILS

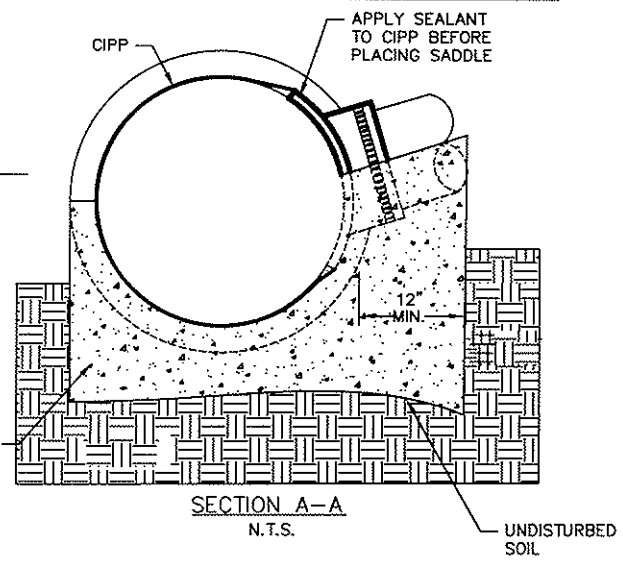
SANITARY SEWER
HANDHOLE RING AND COVER DETAILS

DATE ISSUED	01-11-10
SCALE	N.T.S.
DRAWING NO.	SS-114

ONLY AS DIRECTED/APPROVED BY THE OWNER & FOR APPLICATIONS WHERE THE USE OF TEE-WYE IS IMPRACTICAL, SADDLES MAYBE USED TO CONNECT LATERAL TO EXISTING CIPP MAINLINE.



SERVICE CONNECTION TO CIPP LINED S.S. MAINS
N.T.S.

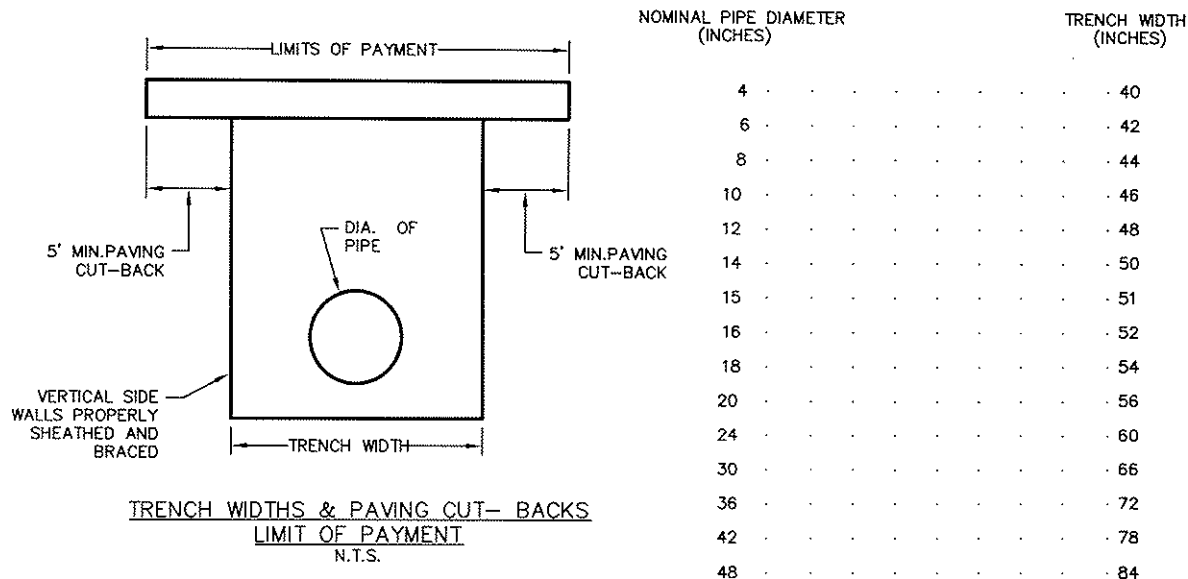


SECTION A-A
N.T.S.

SERVICE CONNECTION NOTES:

1. REMOVE HOST PIPE FROM CIPP WITHOUT DAMAGING CIPP LINER.
2. THE LENGTH OF THE REMOVED HOST PIPE SHALL NOT EXCEED 6" BEYOND THE PERIMETER OF THE SADDLE. REMOVAL OF SOIL BENEATH THE PIPE SHALL BE MINIMAL.
3. FOR A NEW SERVICE INSTALLATION, A HOLE SAW OF PROPER DIAMETER FOR THE SADDLE SHALL BE USED TO CUT THE LINER. SEE SADDLE INSTALLATION DIRECTIONS FROM SADDLE MANUFACTURER TO IDENTIFY PROPER HOLE SIZE. IF THE LINER HAS AN EXISTING CUT-OUT BY THE CIPP INSTALLER, MAKE THE CUT-OUT AS CIRCULAR AS POSSIBLE. THE EDGES OF ANY CUT IN THE LINER SHALL NOT BE JAGGED AND SHALL BE SANDED FREE OF BURRS OR ANY OTHER EXTRANEIOUS MATERIAL.
IF THE EXISTING CUT-OUT IN THE CIPP IS FOR A WYE, IS OBLONG OR EXCEEDS 6.5" IN DIAMETER, A FITTING MUST BE CUT INTO THE CIPP FOR THE LATERAL INSTALLATION. DO NOT USE A SADDLE.
4. ALL SOIL, DEBRIS, OILS, LOOSE MATERIAL AND OTHER CONTAMINANTS SHALL BE REMOVED FROM THE CIPP LINER TO ENSURE PROPER ADHESION OF SEALANT. THE CIPP SHALL BE DRY WHEN SEALANT IS APPLIED.
5. PLACE THE SADDLE ON THE CIPP WITH THE SADDLE OPENING PROPERLY POSITIONED OVER THE CUT-OUT IN THE CIPP. ENSURE THE SADDLE IS CLEAN OF SOIL, DEBRIS, OILS, LOOSE MATERIAL, ETC. THE PROTRUDING RIDGE AROUND THE INSIDE OF THE SADDLE HOLE SHALL BE PLACED WITHIN THE CIPP CUT-OUT. THE RIDGE SHALL BE BEARING AGAINST THE BOTTOM OF THE CUT-OUT TO HELP PREVENT THE SADDLE FROM SLIPPING DOWNWARD. ONCE THE SADDLE IS POSITIONED, MARK ON THE CIPP THE OUTER PERIMETER OF THE SADDLE. REMOVE THE SADDLE.
6. APPLY 3M MARINE ADHESIVE/SEALANT 5200 (OR ENGINEER APPROVED EQUAL) TO THE SURFACE OF THE CIPP WITHIN THE MARKED PERIMETER ON THE PIPE. USE A TROWEL OR SOME OTHER TOOL TO COVER THE ENTIRE SURFACE WITHIN THE MARKED PERIMETER WITH ADHESIVE/SEALANT TO A THICKNESS NOT EXCEEDING 1/4".
7. PLACE THE SADDLE ON THE CIPP IN THE LOCATION IDENTIFIED BY THE MARKED PERIMETER. INSTALL STIFFENER PLATE AND STAINLESS STEEL STRAPS. ENSURE STAINLESS STEEL STRAPS MEET TORQUE REQUIREMENTS OF SADDLE MANUFACTURER.
8. APPLY A BEAD OF ADHESIVE/SEALANT TO PERIMETER OF SADDLE TO FORM A FILLET AROUND THE PERIMETER OF THE SADDLE.
9. APPLY 3M MARINE ADHESIVE/SEALANT 5200 TO THE OUTSIDE OF THE SPICKET ENT OF THE LATERAL, THEN INSERT THE LATERAL INTO THE BELL OF THE TEE-SADDLE.
10. AFTER LATERAL PIPE IS CONNECTED TO SADDLE AND ON PROPER GRADE, POUR A CONCRETE SADDLE UNDER THE MAIN PIPE AND THE LATERAL CONNECTION AS SHOWN. CONCRETE SHALL BE THOROUGHLY MIXED WITH WATER BEFORE PLACEMENT. POURING DRY MIX INTO EXCAVATION AND WETTING WITH WATER AFTERWARD IS UNACCEPTABLE.
11. ALLOW ADEQUATE TIME, PER MANUFACTURER'S RECOMMENDATIONS, FOR SEALANT TO CURE AND CONCRETE SET BEFORE BACKFILLING EXCAVATION.

MAWSS MOBILE AREA WATER & SEWER SYSTEM	BOARD OF WATER AND SEWER COMMISSIONERS OF THE CITY OF MOBILE, ALABAMA	TYPICAL SANITARY SEWER DETAILS	DATE ISSUED: 01-11-10
		LATERAL CONNECTION TO CIPP SEWER MAIN DETAILS	SCALE: N.T.S. DRAWING NO: SS-115



NOTES:

1. THE LIMITS OF PAYMENT FOR PAVING OVER THE TRENCH SHALL BE THE TRENCH WIDTH SHOWN PLUS THE CUT- BACK ON EITHER SIDE OF THE TRENCH.
2. REPLACEMENT WORK BEYOND TRENCH WIDTH OR LIMITS OF PAYMENT FOR PAVING SHALL BE AT THE CONTRACTOR'S EXPENSE. NO EXTRA COMPENSATION WILL BE ALLOWED.
3. THE LIMITS OF PAYMENT FOR SELECT BACKFILL (ITEM BF- 1) SHALL BE THE APPLICABLE TRENCH WIDTH SHOWN MULTIPLIED BY THE AVERAGE DEPTH OF BACKFILL TO THE TOP OF PIPE.
4. THE JAGGED EDGES OF THE EXISTING PAVEMENT ALONG THE TRENCH CUT SHALL BE SQUARED AND CUT TO A NEAT LINE WITH AN APPROPRIATE SAW ALONG STRAIGHT LINES PARALLEL TO THE CENTER OF THE PAVEMENT CUT.



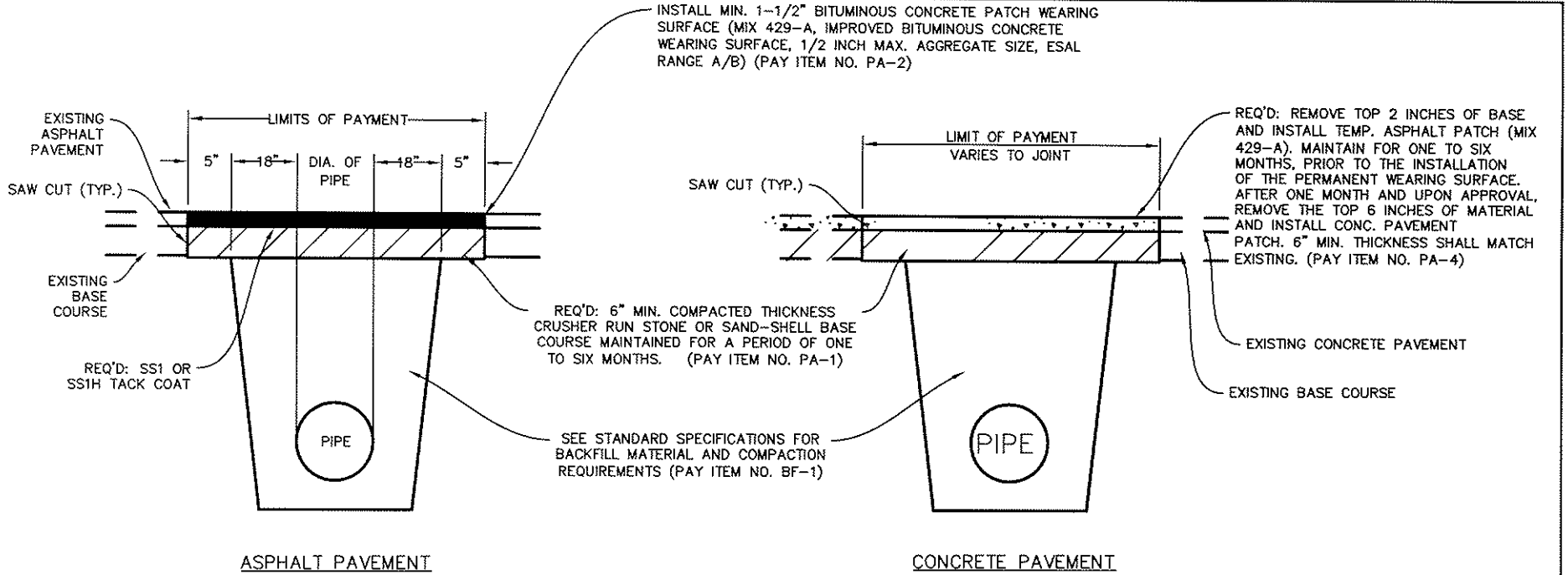
BOARD OF WATER AND SEWER
COMMISSIONERS OF THE CITY OF
MOBILE, ALABAMA

TYPICAL SANITARY SEWER DETAILS

TRENCH WIDTHS AND PAVING CUT BACK

DATE ISSUED	01-11-10
SCALE	N.T.S.
DRAWING NO.	SS-123

Drawing name: G:\M5712\2243 section 12 update\New CADD DWGs\8.5_TYP_S.S._DETAILS_2.dwg
 Plotted on: Mar 26, 2012 - 3:59pm



TEMPORARY ROADWAY PATCH WITHIN CITY OF MOBILE R/W
 N.T.S.

NOTE:
 PAVING AND CONSTRUCTION WITHIN THE CITY OF MOBILE RIGHT OF WAY SHALL MEET THE CITY OF MOBILE'S STANDARDS.



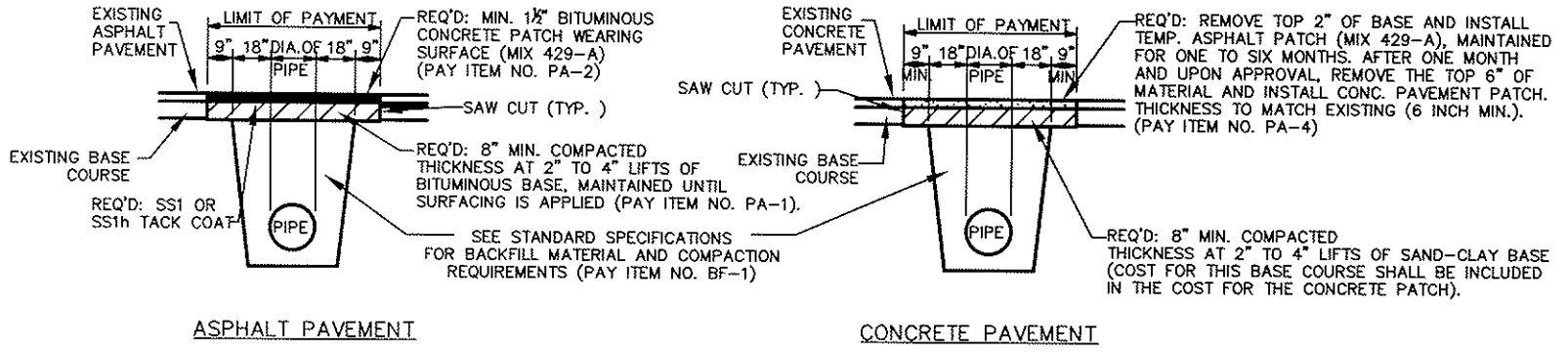
BOARD OF WATER AND SEWER
 COMMISSIONERS OF THE CITY OF
 MOBILE, ALABAMA

TYPICAL SANITARY SEWER DETAILS

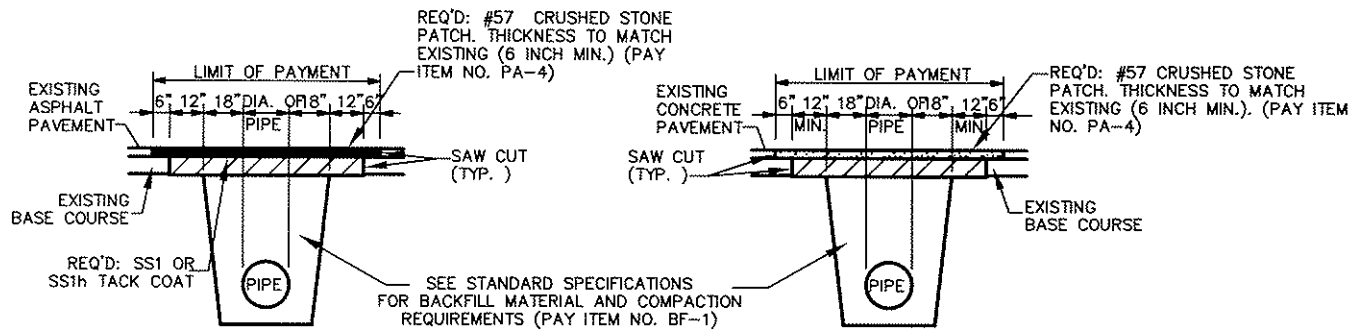
TEMPORARY PAVEMENT DETAILS

DATE ISSUED	01-11-10
SCALE	N.T.S.
DRAWING NO.	SS-124

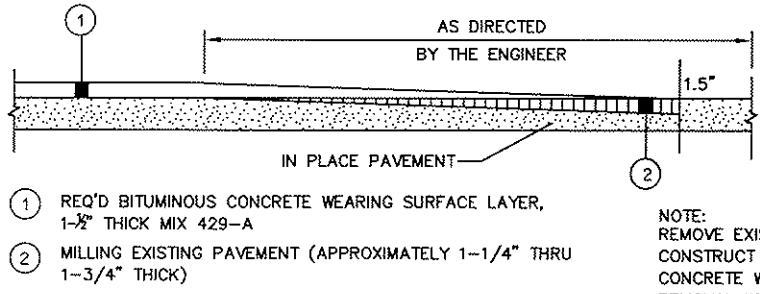
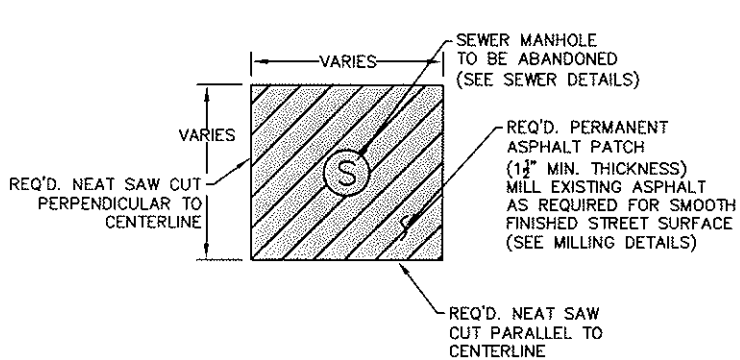
Drawing name: G:\M5712\2243 section 12 update\New CADD DWGs\B.S_TYP_S.S...DETAILS_2.dwg
 Plotted on: Mar 26, 2012 - 3:59pm



REMOVING & PREPARATION OF PAVEMENT WITHIN MOBILE COUNTY R/W
N.T.S.




REMOVING & PREPARATION OF PAVEMENT WITHIN STATE OF ALABAMA R/W
N.T.S.



NOTE:
REMOVE EXISTING PAVEMENT SO AS TO CONSTRUCT A UNIFORM LAYER OF BITUMINOUS CONCRETE WEARING SURFACE. DEPTH OF REMOVAL WILL BE TO THE SATISFACTION OF THE ENGINEER. THE COST ASSOCIATED WITH THE REMOVAL & DISPOSAL OF THE IN PLACE PAVEMENT SHALL BE BID AND PAID FOR UNDER ITEM NO. PA-3A.

NOTE:
PAVING AND CONSTRUCTION WITHIN THE CITY OF MOBILE RIGHT OF WAY SHALL MEET THE CITY OF MOBILE'S STANDARDS.

 MOBILE AREA WATER & SEWER SYSTEM	BOARD OF WATER AND SEWER COMMISSIONERS OF THE CITY OF MOBILE, ALABAMA	TYPICAL SANITARY SEWER DETAILS DATE ISSUED: 01-11-10 SCALE: N.T.S.
	PAVEMENT REMOVE & REPLACEMENT DETAILS	DRAWING NO. SS-126