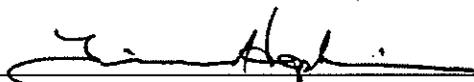


10. THE PRE-LINING VIDEO INSPECTION AND RECORDING PERFORMED SHALL STOP AT EACH LATERAL AND THE HEAD ROTATED TO LOOK UP THE LATERAL TO IDENTIFY IF THE LATERAL IS ACTIVE, PLUGGED OR HAS ROOTS THAT COULD INTERFERE WITH THE COMPLETE REINSTATEMENT.
11. THE PRE-LINING AND POST-LINING VIDEO WILL BE PERFORMED WHILE THE UPSTREAM LINES ARE PLUGGED OR BYPASSED. THE LINE SHALL BE DRY EXCEPT FOR FLOW FROM THE LATERALS IN THE SECTION OF THE LINE BEING TELEVISED.
12. ALL PROTRUDING LATERALS THAT ARE ENCOUNTERED DURING THE PRE-LINING VIDEO SHALL BE GROUND AS CLOSE TO FLUSH WITH THE HOST PIPE'S INTERIOR AS PRACTICABLE PRIOR TO INSERTION OF THE LINER.
13. ALL PLUGGED SERVICE CONNECTIONS IDENTIFIED IN THE PRE-LINING VIDEO SHALL NOT BE OPENED UNLESS SPECIFICALLY DIRECTED BY THE CITY INSPECTOR.
14. THE LATERAL OPENING CUTS SHALL CONFORM TO THE SHAPE AND SIZE OF THE INSIDE DIAMETER OF THE EXISTING SERVICE CONNECTION.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING POINT REPAIRS IDENTIFIED IN THE PRE-LINING VIDEO PRIOR TO INSERTION OF THE LINER.
16. THE LINING MATERIAL SHALL BE CONTINUOUS AND OF SUFFICIENT LENGTH TO EXTEND THE ENTIRE REACH (FROM ENTRY TO END OR EXIT POINT) TO BE REHABILITATED. NO JOINTS OR LAPS WILL BE PERMITTED BETWEEN MANHOLES.
17. ONE 8 INCH LONG CURED SAMPLE SHALL BE TAKEN FROM THE DOWN STREAM MANHOLE AND CHECKED BY THE CITY INSPECTOR TO VERIFY THE MINIMUM WALL THICKNESS.
18. THE CONTRACTOR SHALL PREVENT THE LINER FROM EXTENDING INTO SEWER MAINS WHICH ARE NOT INTENDED TO BE REHABILITATED.
19. THE CURED LINER SHALL HAVE A SMOOTH FINISH INSIDE. ANY ROUGHNESS THAT MAY AFFECT THE HYDRAULIC CONDITIONS SHALL BE REMOVED BY SANDING OR TRIMMING THE "FINS" OR FOLDS. THE CONTRACTOR MAY EITHER APPLY A SEALANT COMPATIBLE WITH THE MATERIAL TO AREAS WHERE SANDING HAS TAKEN PLACE OR RELINE FROM MANHOLE TO MANHOLE AS DIRECTED BY THE CITY INSPECTOR.
20. AFTER INSTALLATION, THE LINER SHALL BE CUT-OFF IN THE MANHOLE. THE FINISHED LINER SHALL NOT PROTRUDE INTO THE MANHOLE OVER 2". IF THE MANHOLE HAS BEEN LINED THROUGH, THE TOP HALF OF THE LINER PIPE MAY BE CUT-OFF EVEN WITH THE TOP OF THE SHELF LEAVING THE CHANNEL LINED.
21. ALL NEW LATERALS/SERVICE CONNECTIONS SHALL BE MADE PER STANDARD PLAN 516.

APPROVED:

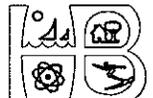


CITY ENGINEER

REVISION DATE: MAY 2008

CITY OF HUNTINGTON BEACH

DEPARTMENT OF PUBLIC WORKS



TRENCHLESS PIPELINE REHABILITATION
DESIGN CRITERIA

STANDARD PLAN
517
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