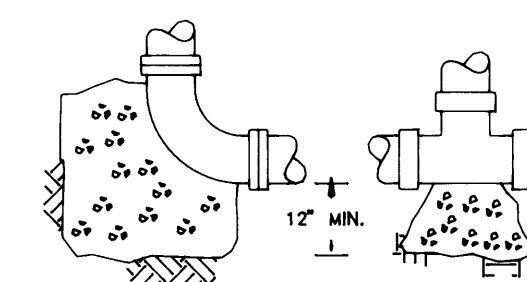


#### CATCH BASIN

|                                                                |                                                                |                                                                |                                                                |
|----------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|
| CB1<br>STAT= 697.53<br>INV= 694.4<br>T/C= 710.77<br>INV= 707.3 | CB2<br>STAT= 710.77<br>INV= 707.3<br>T/C= 712.41<br>INV= 708.2 | CB3<br>STAT= 712.41<br>INV= 708.2<br>T/C= 712.41<br>INV= 708.2 | CB4<br>STAT= 712.41<br>INV= 708.2<br>T/C= 712.41<br>INV= 708.2 |
|----------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|

#### MANHOLES AND CLEANOUT

|                                                                |                                                                |                                                                |                                                                |                                                                |
|----------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|
| MH1<br>STAT= 697.53<br>INV= 694.4<br>T/C= 710.77<br>INV= 707.3 | MH2<br>STAT= 710.77<br>INV= 707.3<br>T/C= 712.41<br>INV= 708.2 | MH3<br>STAT= 712.41<br>INV= 708.2<br>T/C= 712.41<br>INV= 708.2 | MH4<br>STAT= 712.41<br>INV= 708.2<br>T/C= 712.41<br>INV= 708.2 | MH5<br>STAT= 712.41<br>INV= 708.2<br>T/C= 712.41<br>INV= 708.2 |
|----------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|



FILED  
Date: 1/16/2003 By: JP  
This survey consists of:  
Map:  
Notes:  
Corner Rpt:  
DOUGLAS COUNTY  
SURVEYOR

| PIPE DIA. | OR WYE | 45° ELL | 22.5° | 11.5° |
|-----------|--------|---------|-------|-------|
| 2.0       | 4.0    | 2.2     | 1.2   | 0.6   |
| 3.0       | 6.0    | 3.3     | 1.8   | 0.9   |
| 4.0       | 8.0    | 4.4     | 2.4   | 1.2   |
| 6.0       | 12.0   | 6.6     | 3.6   | 1.8   |
| 8.0       | 16.0   | 8.8     | 4.8   | 2.4   |
| 10.0      | 20.0   | 11.0    | 6.0   | 3.0   |

SOIL = 1500 #/SQ. FT. PRESSURE = 150 PSI

#### THRUST BLOCKS

#### GENERAL NOTES

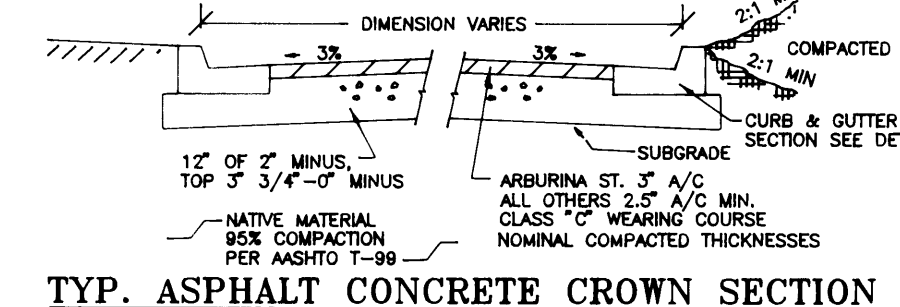
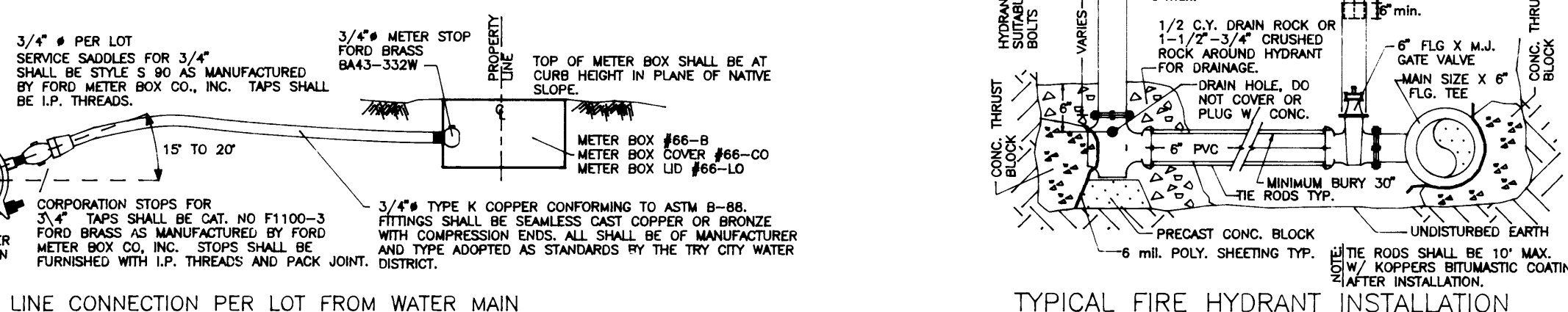
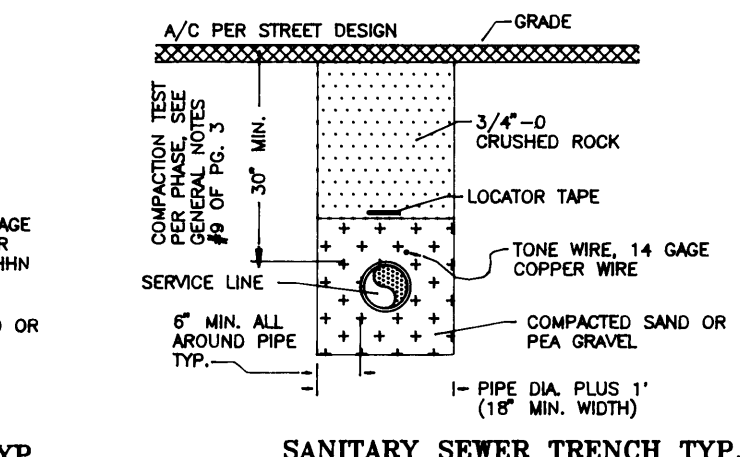
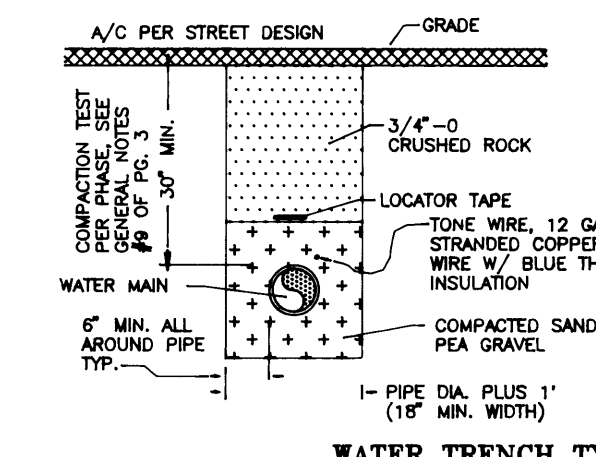
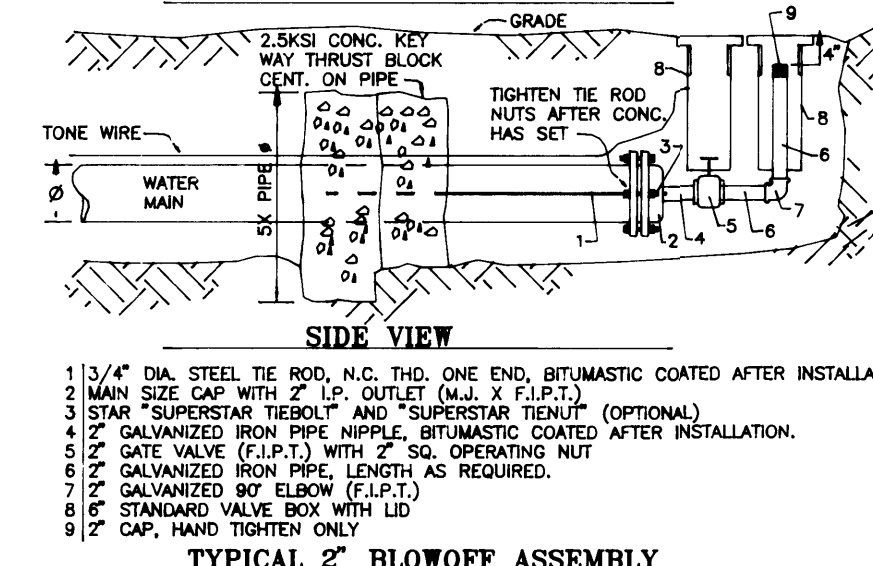
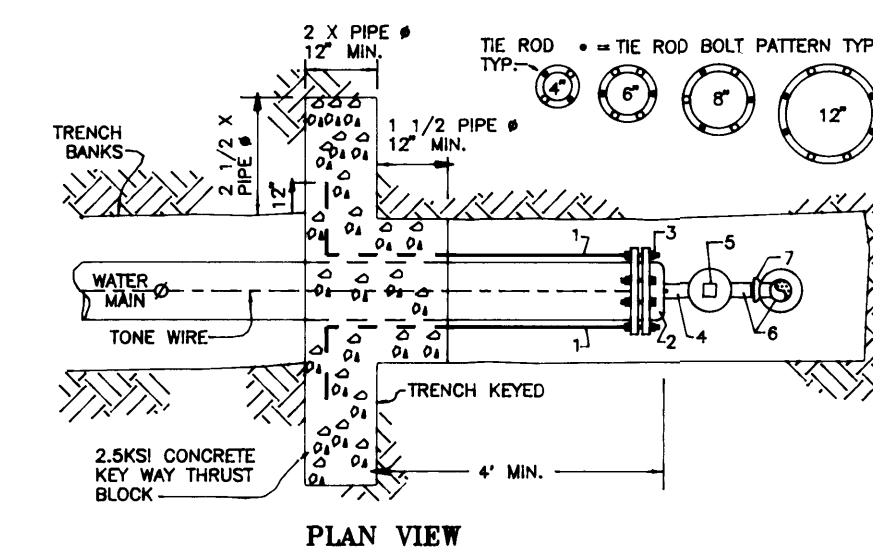
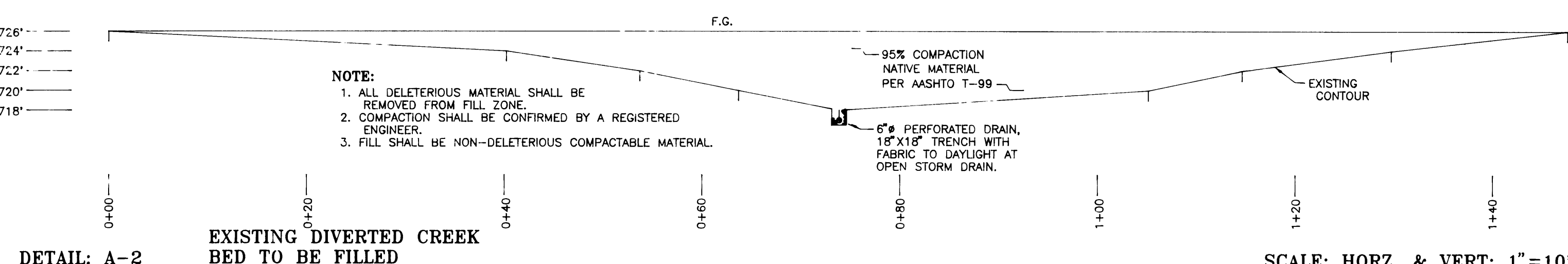
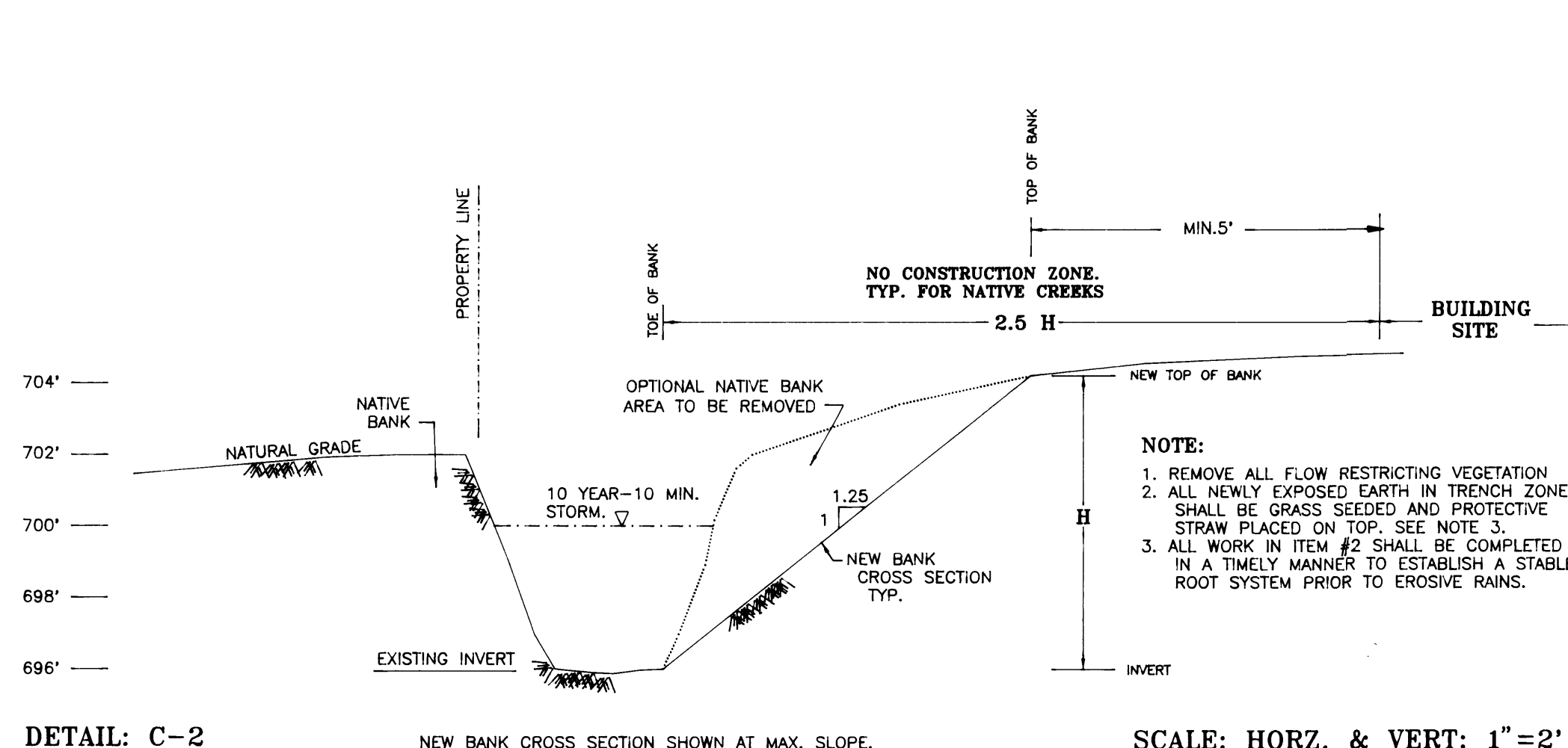
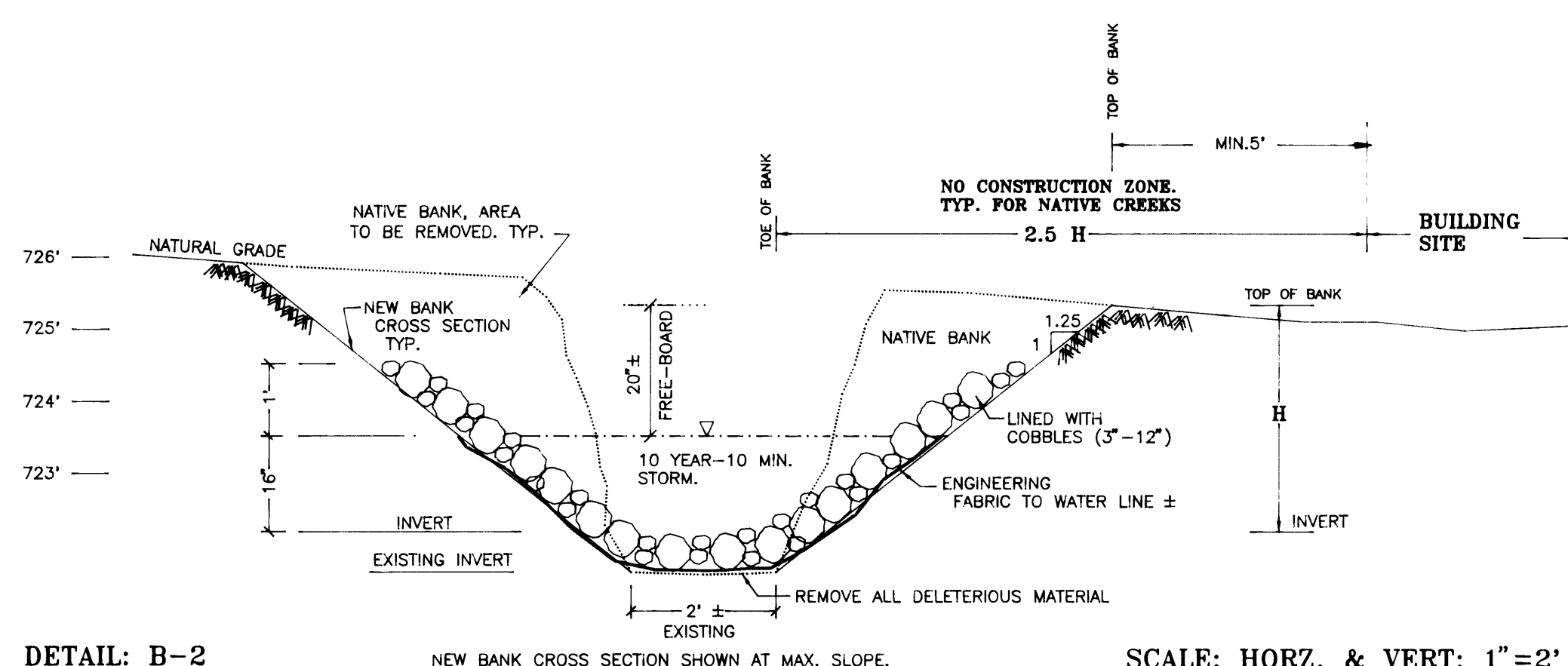
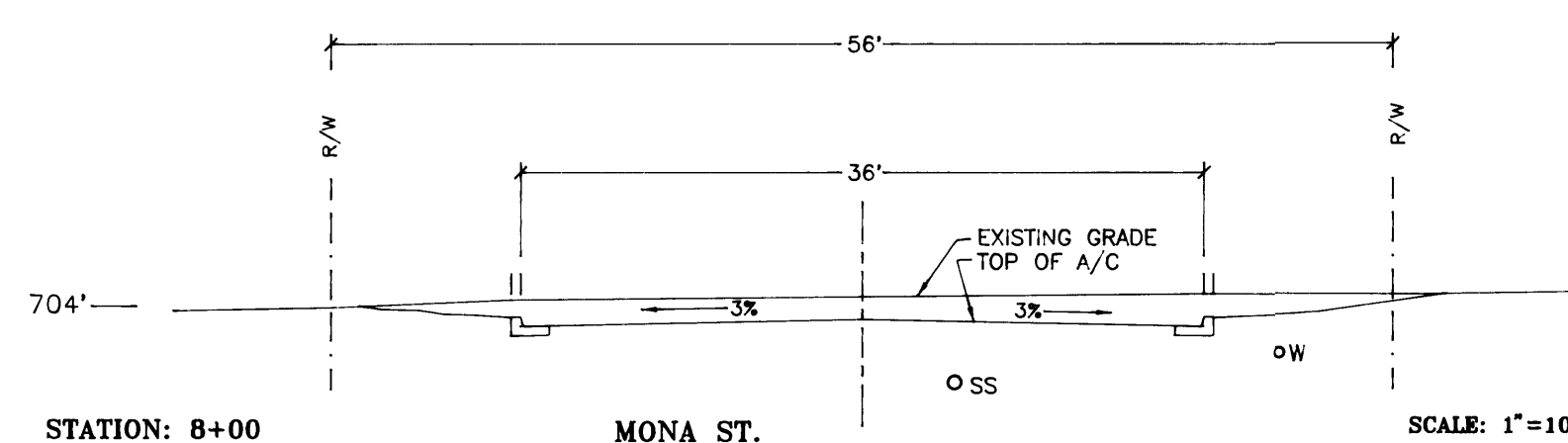
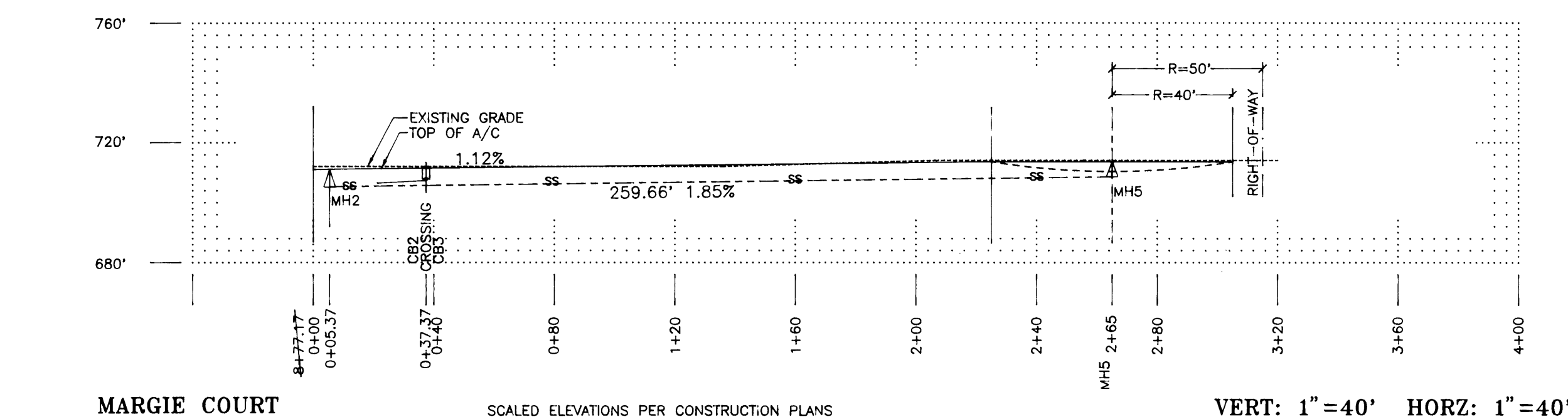
- NOTICE TO EXCAVATORS  
ATTENTION: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OUR 852-001-0010 THROUGH OUR 852-001-0060. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER PHONE NUMBERS ARE: (503) 232-1987 AND 1-800-332-2344.
- THE CONTRACTOR SHALL REPLACE ANY AND ALL SURVEY MONUMENTS WHICH ARE AFFECTED BY THE CONSTRUCTION. ALL MONUMENTS WILL BE RESET BY A LICENSED LAND SURVEYOR.
- LOCATIONS OF ALL UTILITIES SHOWN HEREON ARE APPROXIMATE AND SHALL BE VERIFIED PRIOR TO CONSTRUCTION.
- ALL CHANGES SHALL BE APPROVED BY THE ENGINEER AND THE AFFECTED AGENCY PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL SUPPLY PIPING MATERIALS, BACK FILL MATERIALS, SURFACE REPAIR, TIE-IN MATERIAL, ETC. AS REQUIRED BY THESE PLANS AND SPECIFICATIONS.
- ALL WORK WITHIN THE RIGHT-OF-WAY SHALL CONFORM TO THE SPECIFICATIONS AND REQUIREMENTS OF THE PUBLIC WORKS DEPARTMENT OF DOUGLAS COUNTY.
- THE CONTRACTOR SHALL PROVIDE ALL TRAFFIC CONTROL DEVICES AND PERSONNEL TO CONFORM WITH REQUIREMENTS OF THE MUTCD AND THE DOUGLAS COUNTY P.W. DEPT.
- CONTRACTOR SHALL OBTAIN PERMIT FROM DOUGLAS COUNTY-PUBLIC WORKS FOR WORK WITHIN R/W.
- NUMBER OF TRENCH COMPACTION TEST PER PHASE SHALL BE A MINIMUM OF THREE PER PHASE 1 AND 2, PHASE 3 SHALL BE A MINIMUM OF 2 TRENCH COMPACTION TEST.
- WHENEVER SEWER LINES CROSS WATER LINES WITH LESS THAN 18" CLEARANCE (VERTICAL) THE SEWER LATERAL SHALL BE ONE CONTINUOUS 1" MINIMUM 2000 PVC OR DUCTILE IRON PIPE 9" MINIMUM EACH SIDE OF THE WATER LINES.
- SEWER LINES PARALLEL WITH WATER LINES SHALL HAVE 10' MINIMUM (HORIZONTAL) SEPARATION UNLESS OTHERWISE NOTED ON PLANS.
- MANHOLES SHALL BE VACUUM TESTED IN ACCORDANCE WITH DEO'S GUIDELINES AND CURRENT VERSION OF THE 1990 APWA STANDARD SPECIFICATION 306.3.03. TESTING SHALL BE WITNESSED BY THE ENGINEER OF RECORD.
- MANHOLE CONNECTIONS SHALL BE FACTORY CONNECTIONS WITH NON-SHRINK GROUT OR A CORED HOLE WITH FLEXIBLE BOOT, 4" KOR-H-SEAL.
- CONTRACTOR TO PROVIDE PREFORMED PLASTIC GASKETS IN ALL MANHOLE JOINTS.
- GROUT FOR TOP OF MANHOLE FRAMES AND BASSES SHALL BE NON-SHRINK GROUT.
- USE COMMERCIAL CONCRETE BONDING AGENT ON ALL CONCRETE TO BE GROUTED.
- ALL MANHOLES TO BE 48" CONCENTRIC CONES.
- THE MANHOLE SHALL PASS A 5% DEFLECTION TEST, 30 DAYS AFTER CONSTRUCTION.
- LINE AND GRADE SHALL BE MAINTAINED AS SHOWN ON THE PLANS, OR AS ESTABLISHED BY THE ENGINEER. VARIATIONS MORE THAN 1/2" FOR LINE AND 1/4" FOR GRADE WILL NOT BE PERMITTED.
- ENGINEER OF RECORD SHALL BE GIVEN AT LEAST 48 HOURS PRIOR NOTICE OF ANY MANHOLE AND/OR SEWER LINE TESTING.
- COMPACTION TESTS SHALL BE AT SPECIFIC LOCATIONS AS REQUESTED BY THE ENGINEER OF RECORD OR TRI CITY WATER/SANITARY DISTRICT.
- ALL TESTING OF MANHOLES, PIPES AND FITTINGS FOR FINAL ACCEPTANCE SHALL BE AFTER ALL BACK-FILL IS COMPLETED INCLUDING COMPACTION AND AC.
- NO FLAT TOP MANHOLES TO BE USED WITHOUT TRI CITY'S SANITARY AUTHORITY'S PRIOR APPROVAL.

#### SANITARY SEWER NOTES

- ALL SANITARY SEWER WORK SHALL BE IN COMPLIANCE WITH THE TRI-CITY SANITARY DISTRICT SPECIFICATIONS AND ORDINANCES. IN CASES OF CONFLICT, THE TRI-CITY SANITARY DISTRICT SPECIFICATIONS SHALL TAKE PRECEDENCE OVER THE STANDARD SPECIFICATIONS.
- SANITARY SEWER LATERALS SHALL BE CONSTRUCTED IN ACCORDANCE WITH OREGON STATE DEPARTMENT OF COMMERCE, BUILDING CODES DIVISION, 1991 UNIFORM PLUMBING CODE AND ITS AMENDMENTS. PUBLIC SEWER SHALL BE CONSTRUCTED IN ACCORDANCE WITH D.E.O. STANDARDS FOR PUBLIC SEWERS AND TO THE LINES, GRADES AND DETAILS SHOWN ON THE PLANS.
- ALL LINES SHALL HAVE TONING WIRE INSTALLED IN THE TRENCH FOR FUTURE LOCATING. ALL TONING WIRE TO BE TESTED WITH LOCATING EQUIPMENT. THE TESTING SHALL BE WITNESSED BY THE ENGINEER OF RECORD.
- ALL SANITARY SEWER LINES AND LATERALS SHALL BE AIR TESTED IN ACCORDANCE WITH STANDARD SPECIFICATIONS, UNLESS 8" OR LESS. AFTER COMPACTION OF BACK FILL, THE MAINS SHALL BE TESTED WITH A MOVABLE EYE CAMERA, AND LINES AND WRITTEN RECORDS SHALL BE FURNISHED TO THE DISTRICT SHOWING AN ACCEPTABLE INSTALLATION. THE TESTING SHALL BE WITNESSED BY THE ENGINEER OF RECORD.
- SANITARY SEWER PIPE SHALL BE PVC SDR 35 WITH ASTM D3034 FOR DIAMETERS FROM 4"-12" AND ASTM F291 FOR 18"-24" DIAMETERS. MAINS SHALL BE 8" AND LATERALS SHALL BE 6" WITH 1" CONNECTIONS.
- CONCRETE SHALL BE CLASS 5 (1 1/2" MAX. AGGREGATE SIZE) WITH 8 BAGS CEMENT PER CUBIC YARD OF CONCRETE, WITH A MINIMUM COMPRESSIVE STRENGTH OF NOT LESS THAN 3,000 P.S.I. AT 28 DAYS WHEN TESTED IN ACCORDANCE WITH ASTM C-39-86.

#### WATER SYSTEM NOTES

- ALL PIPE FOR WATER MAINS SHALL BE CLASS 150 PVC C-900 PIPE WITH DUCTILE IRON FITTINGS PER WATER DEPT. SPEC.
- AFTER INSTALLATION OF THE NEW MAIN, IT SHALL BE HYDROSTATICALLY TESTED, FLUSHED, TEST (BACTERIOLOGICAL QUALITY) AND CHLORINATED. THE CONTRACTOR SHALL PERFORM THESE TEST AND THE ENGINEER SHALL WITNESS ALL TEST MADE BY THE CONTRACTOR TO INSURE THEY ARE PERFORMED PROPERLY. TESTS SHALL BE DETERMINED BY THE ENGINEER PRIOR TO TESTING.
- ALL CONSTRUCTION IS SUBJECT TO INSPECTION BY THE ENGINEER OF RECORD. THE CONTRACTOR SHALL GIVE 48 HOURS OF NOTICE PRIOR TO BEGINNING CONSTRUCTION TO THE ENGINEER AND TRI-CITY WATER DISTRICT.
- NO OTHER MAJOR UTILITIES SHALL RUN PARALLEL WITHIN 3 FEET OF THE NEW WATER MAIN.
- THRUST BLOCKS SHALL BE INSTALLED AT ALL BENDS AND FITTINGS PER THRUST BLOCK DETAIL AS SHOWN ON PLANS.
- THE CONTRACTOR SHALL SUPPLY THE MATERIAL AND THE TIE-IN TO THE NEW WATER MAIN.
- WATER SYSTEM WORK SHALL BE IN COMPLIANCE WITH TRI CITY WATER DISTRICT SPECIFICATIONS. IN CASES OF CONFLICT THE TRI CITY SPECIFICATIONS SHALL TAKE PRECEDENCE OVER THE STANDARD SPECIFICATIONS.
- COMPACTION TEST SHALL BE AT SPECIFIC LOCATIONS AS REQUESTED BY THE ENGINEER OF RECORD OR TRI CITY WATER/SANITARY DISTRICT.



## PHASE 1

|                                                             |                                                         |                          |
|-------------------------------------------------------------|---------------------------------------------------------|--------------------------|
| JORDAN ENGINEERING                                          |                                                         |                          |
| 460 JORDAN LANE<br>ROSEBURG, OREGON 97470<br>(541) 673-1931 |                                                         |                          |
| SCALE: 1"=40'                                               | AS-BUILT<br>PROFILE WITH DETAILS                        | DRAWN BY: K.C.J.         |
| DATE: 2-4-02                                                | ROLAND THEISS<br>P.O. BOX 824<br>MYRTLE CREEK, OR 97457 | REVISED                  |
| VILLAGE VIEW SUBDIVISION                                    | ZONE: R-1<br>47 LOTS                                    | DRAWING<br>NUMBER 2 OF 2 |

Co. Rd. #907 & #907A  
CO. RD. # 907 & 907A AS-BUILT  
PROFILE WITH DETAILS