

**NOTES:**

**GENERAL:**

1. THE CONTRACTOR SHALL LOCATE AND PROTECT ALL EXISTING UNDERGROUND UTILITIES. THE CONTRACTOR SHALL CONTACT AND COORDINATE WITH PACIFIC POWER & LIGHT AND PACIFIC NORTHWEST BELL TELEPHONE COMPANIES TO PROVIDE UNDERGROUND SERVICE TO THE SUBDIVISION.
2. WATER & SEWER PIPE SHALL BE INSTALLED IN ACCORDANCE WITH REGULATIONS AND SPECIFICATIONS OF THE AGENCY GOVERNING THE INSTALLATION.

**STREETS & STORM SEWERS:**

1. ALL WORK SHALL BE IN CONFORMANCE WITH DOUGLAS COUNTY ROAD DEPT. STANDARD SPECIFICATIONS, UNLESS NOTED OTHERWISE.
2. STREET SUBGRADE & BASE SHALL BE COMPACTED TO 95% RELATIVE COMPACTION. UNSTABLE OR UNSUITABLE MATERIAL SHALL BE REMOVED AND REPLACED WITH SUITABLE SELECTED MATERIAL.
3. CONCRETE SHALL BE CLASS S (1 1/2" MAX. AGGREGATE SIZE) WITH 6 SACKS CEMENT PER CUBIC YARD OF CONCRETE, WITH A MINIMUM COMPRESSIVE STRENGTH NOT LESS THAN 3000 PSI AT 28 DAYS WHEN TESTED IN ACCORDANCE WITH ASTM C 39-66.

**SANITARY SEWERS:**

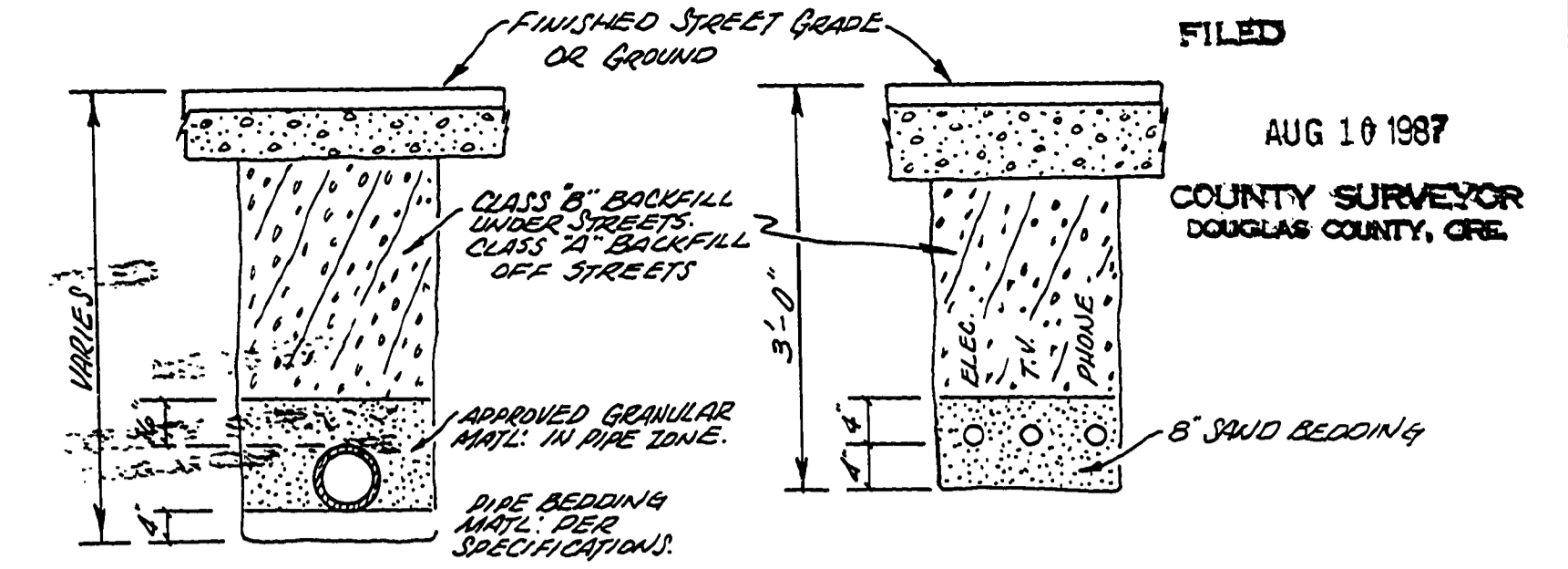
1. ALL WORK SHALL BE IN CONFORMANCE WITH "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" OF OREGON CHAPTER, A.P.W.A., UNLESS OTHERWISE NOTED.
2. SANITARY SEWER PIPE SHALL BE ASTM C 428 TYPE II CLASS 2400 ASBESTOS CEMENT.
3. SANITARY SEWERS SHALL BE AIR OR EXFILTRATION TESTED IN ACCORDANCE WITH STANDARD SPECIFICATIONS, AFTER COMPACTION OF BACKFILL.
4. TRENCH BACKFILL SHALL BE CLASS "B" (BANK-RUN GRAVEL PASSING 2 1/2" SCREEN) UNDER ALL STREETS, CURB-TO-CURB, & CLASS "A" (SUITABLE EXCAVATED MATERIAL) ELSEWHERE. ALL TRENCHES WILL BE WATER-SETTLED.
5. CONCRETE SHALL BE CLASS S (1 1/2" MAX. AGGREGATE SIZE) WITH 6 SACKS CEMENT PER CUBIC YARD OF CONCRETE, WITH A MINIMUM COMPRESSIVE STRENGTH OF NOT LESS THAN 3000 PSI AT 28 DAYS WHEN TESTED IN ACCORDANCE WITH ASTM C 39-66.
6. WHENEVER A CROSSING SEWER LINE IS LESS THAN 18" LOWER THAN A WATER LINE, THE SEWER LINE SHALL BE DUCTILE IRON PIPE 9" EACH SIDE OF THE WATER LINE.

**WATER SYSTEM:**

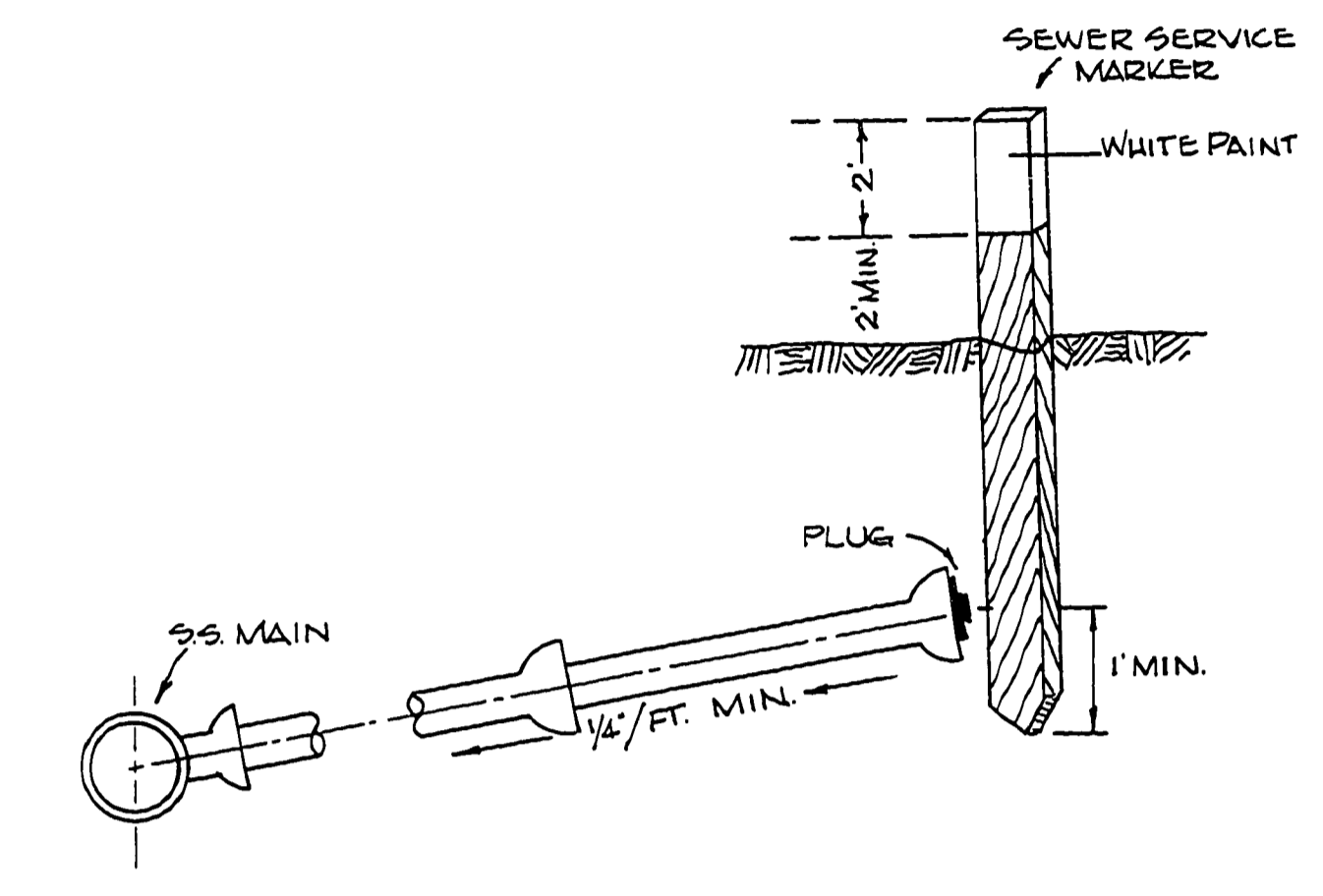
1. THE CONTRACTOR SHALL COORDINATE WATER SERVICE WITH THE CITY OF ROSEBURG WATER DEPARTMENT.

**MISCELLANEOUS:**

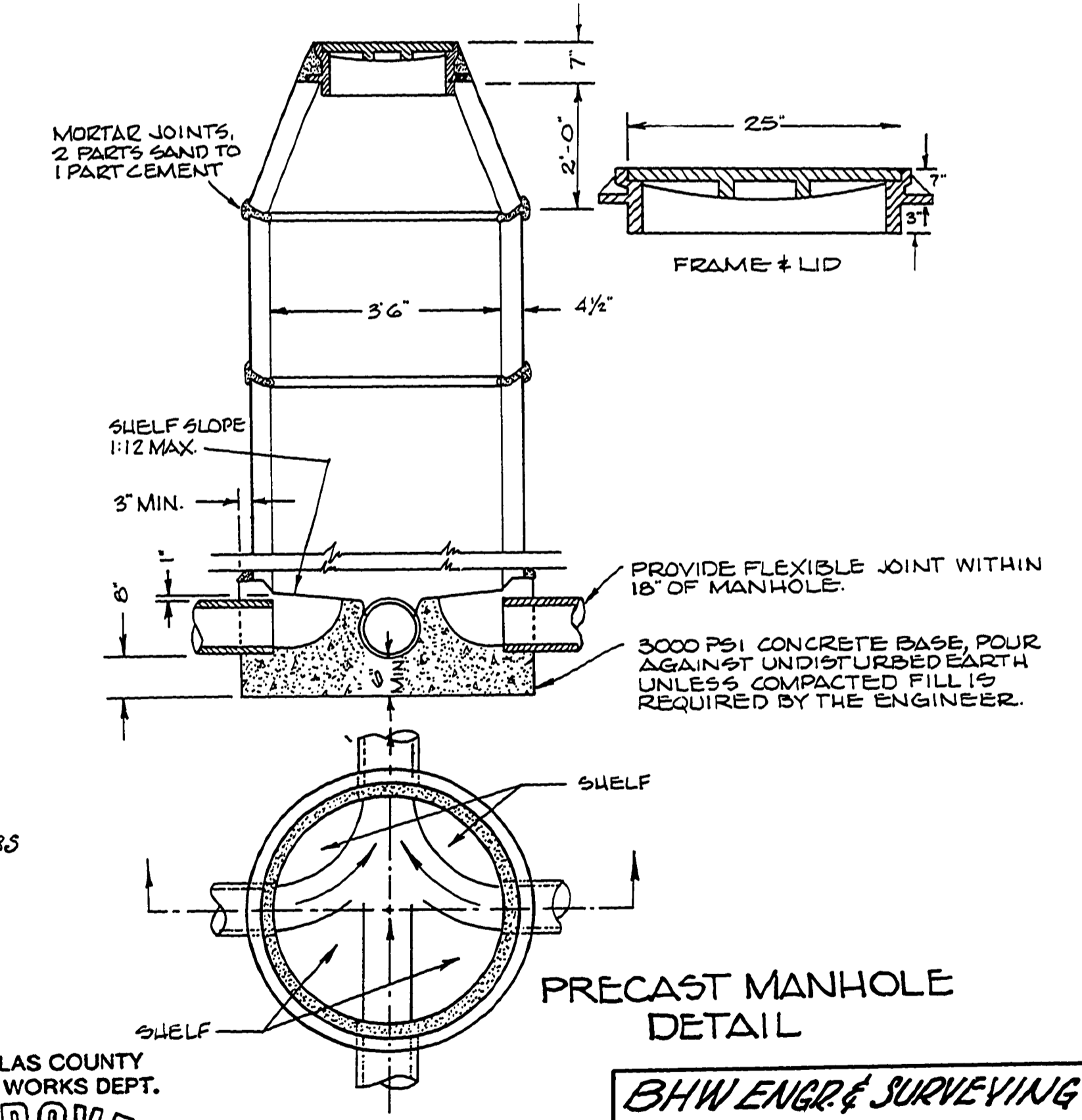
1. FILL SITE WILL BE DESIGNATED BY OWNER.



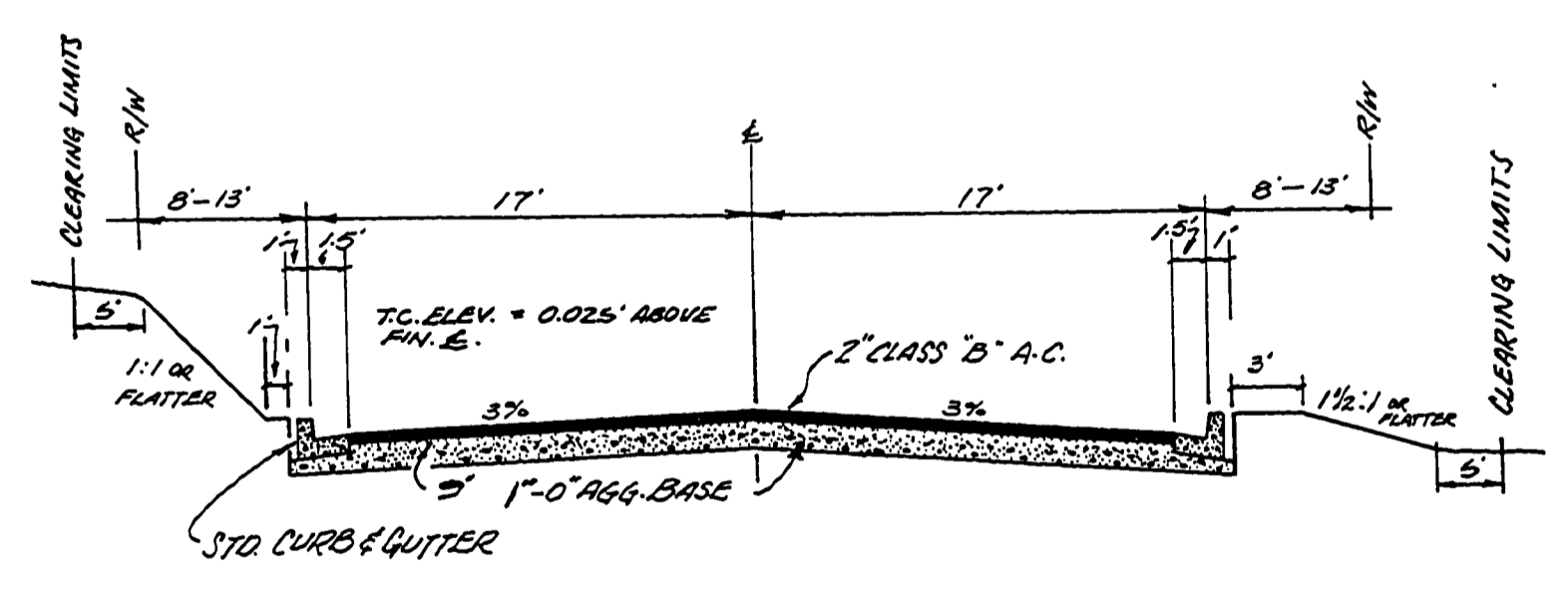
**TYPICAL PIPE TRENCH**  
 A CLASS "B" - IMPORTED GRANULAR MATL., EITHER 3'-0" BAR RUN OR REJECT SAND.  
 A CLASS "A" - SUITABLE NATIVE MATERIAL.



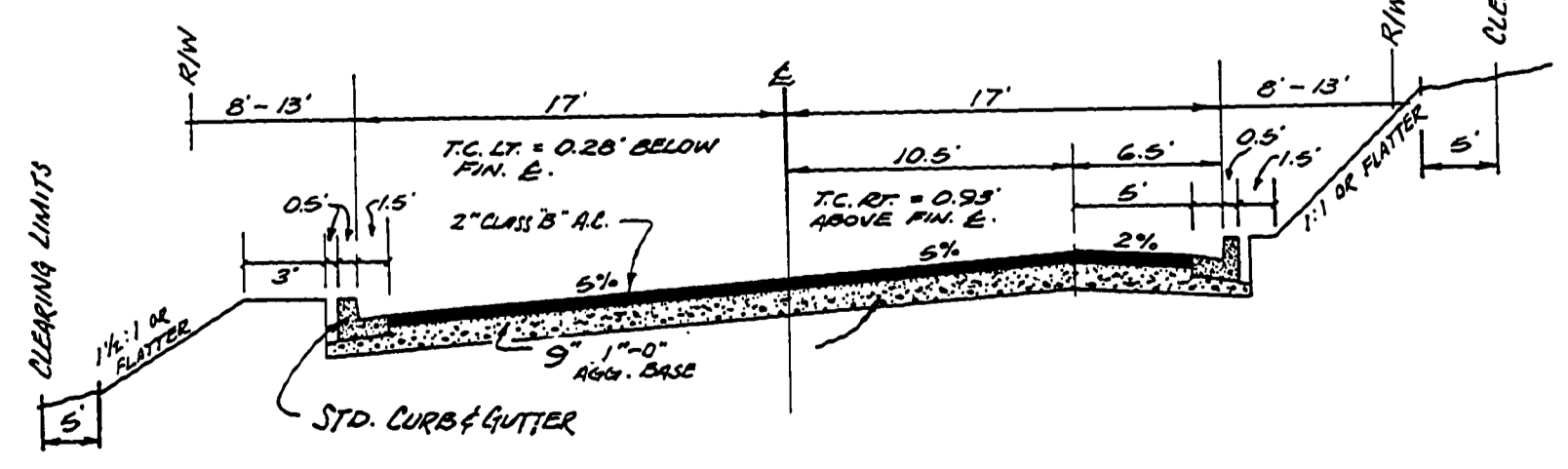
**TYPICAL SEWER CONNECT**



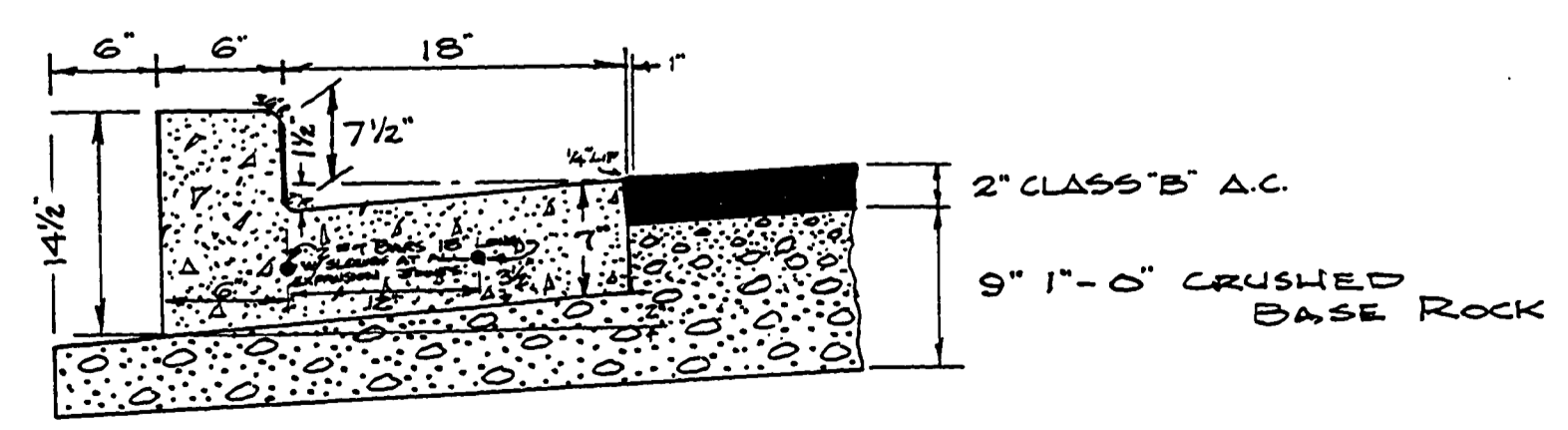
**PONDEROSA TERRACE & SPURLING ESTATES**



**TYPICAL SECTION:**  
 KIRBY AVE. BEGIN PROJECT ~ 11+00  
 CARMEN ST. 100+01 ~ 103+50



**TYPICAL SECTION:**  
 KIRBY AVE. 11+54 ~ END PROJECT  
 CARMEN ST. 104+00 ~ END PROJECT



**TYPICAL CURB SECTION**  
 DOUGLAS COUNTY TYPE "B" 2

**INDEX**

SHEET	TITLE
1	DETAIL & INDEX SHEET
2	KIRBY AVE PAVING
3	CARMEN ST PAVING
4	KIRBY AVE SEWERS
5	CARMEN ST & NEWTON CR. RD. SEWERS

DOUGLAS COUNTY PUBLIC WORKS DEPT.  
**APPROVED**  
 By *[Signature]* Date 5/9/78

**BHW ENGR & SURVEYING**  
 ROSEBURG, OREGON

REVISIONS	DATE
1. BOUNDARY CORRECTIONS	5/4/78
2. STREAM DRAINAGE CHANGES	5/18/78

**DETAIL & INDEX SHEET**  
**PONDEROSA TERRACE & SPURLING ESTATES**  
 ROSEBURG, OREGON

ENGINEERS STAMP:  
  
 DATE: 4-25-78  
 DRAWN BY: GP  
 CHECKED BY: [Signature]  
 JOB NO.:  
 SHEET NO.: 1  
 OF 5 SHEETS

00160010