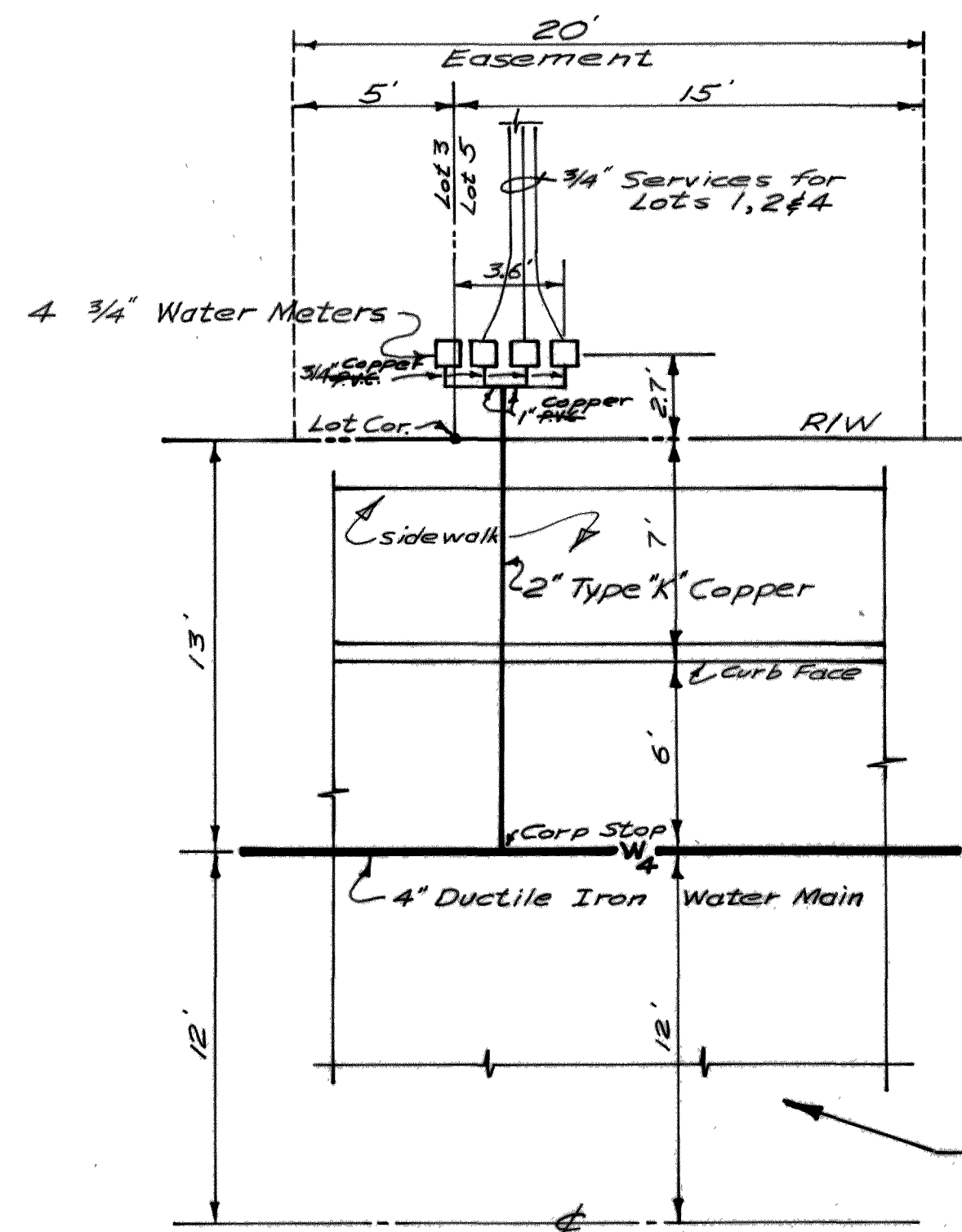
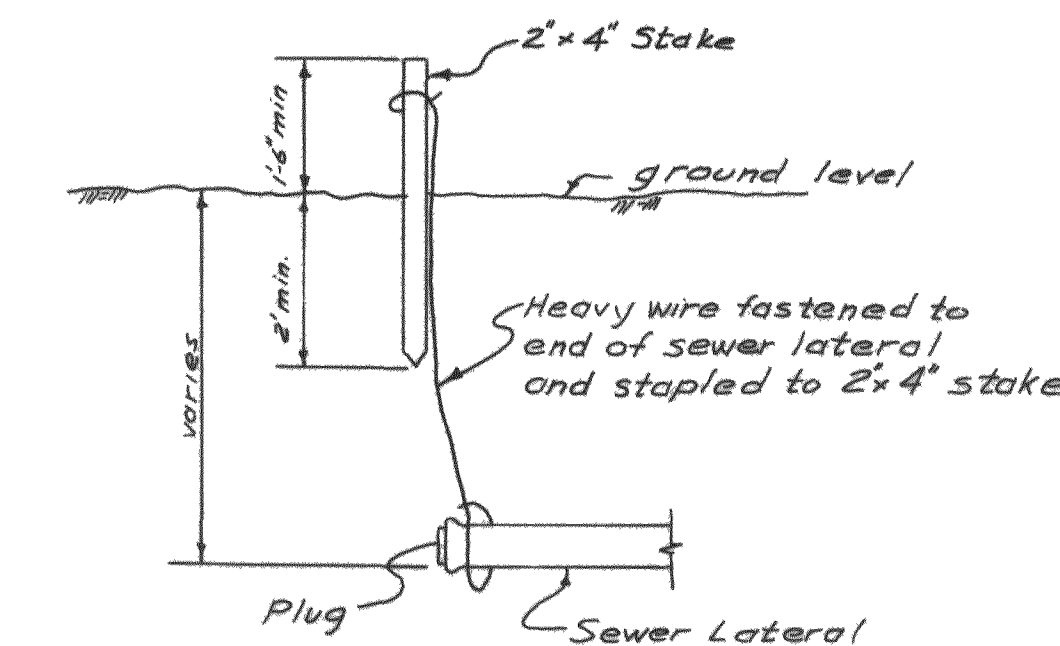
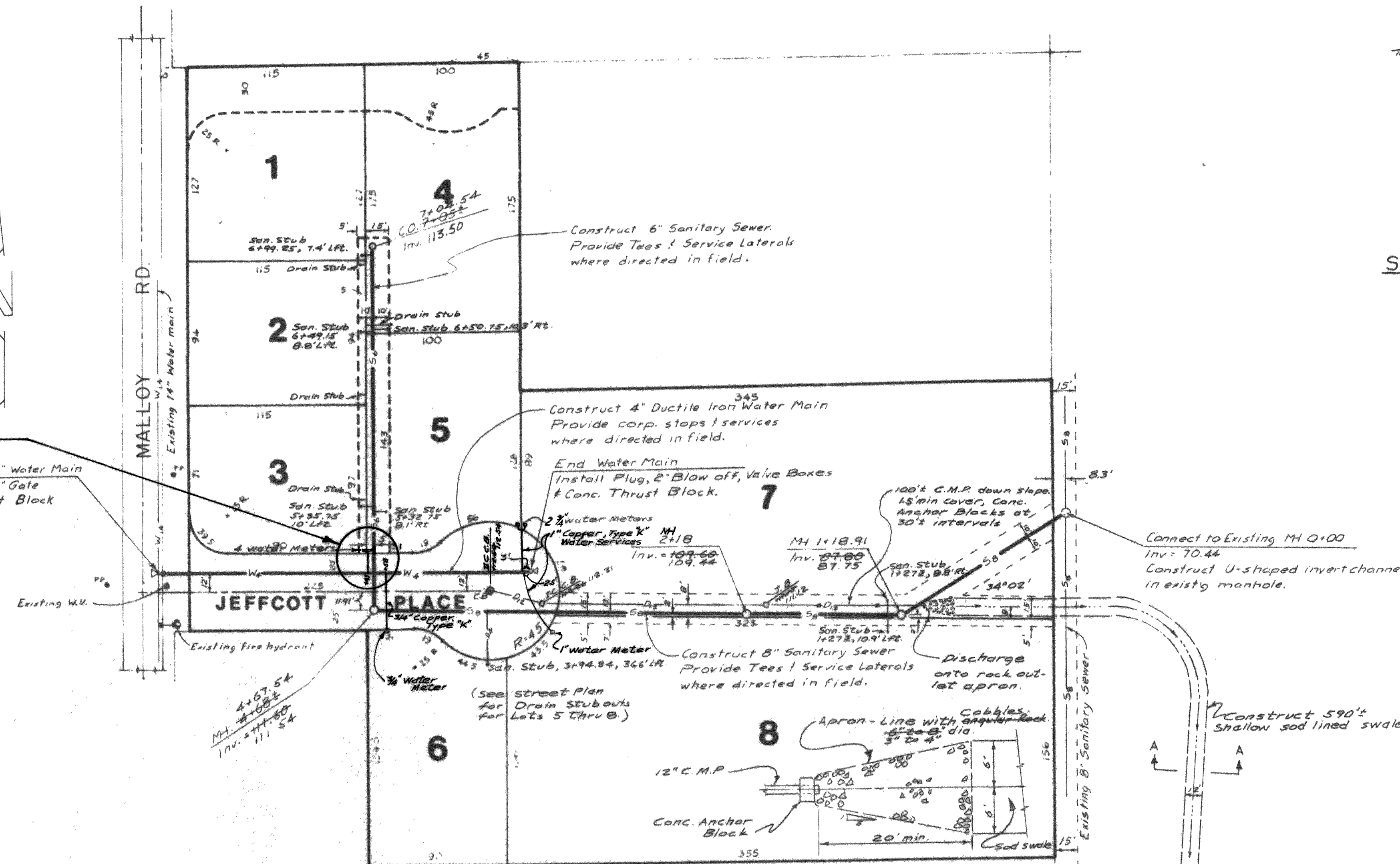


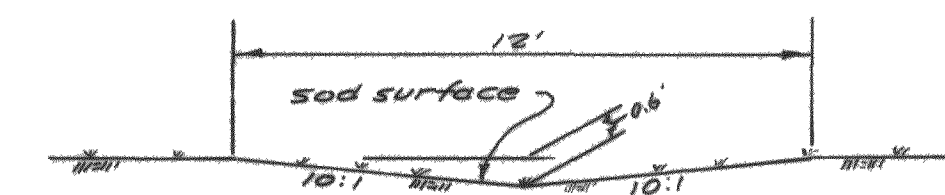


SEE DETAIL

Connect to Existing 14" Water Main
Install 4" Saddle, 4" Gate Valve & Conc. Thrust Block



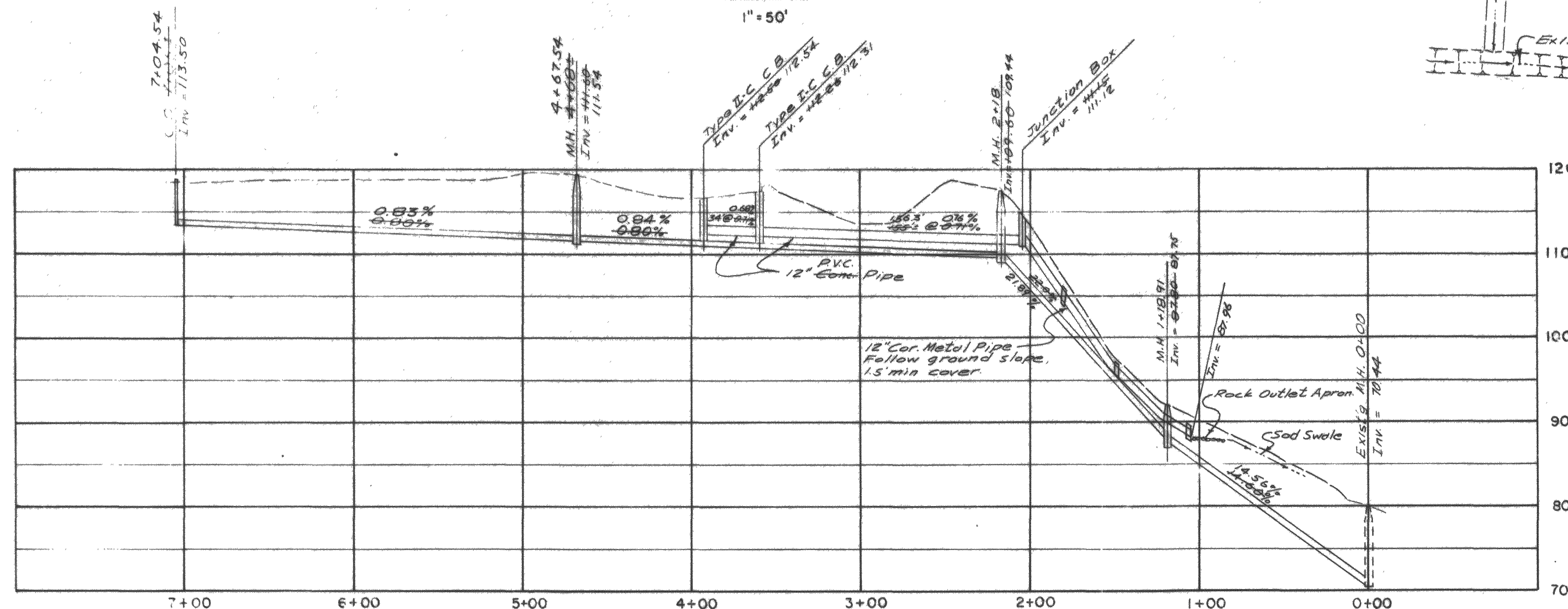
SEWER LATERAL MARKER DETAIL



SECTION A-A

PLAN

1" = 50'



PROFILE

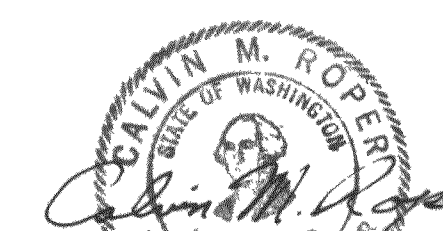
1" = 50' Hor.
1" = 10' Vert.

APPROVED FOR CONSTRUCTION:

AS CONSTRUCTED: *Calvin M. Raper* CITY OF FERNDAL 7-8-82
10/22/82

NOTES:

1. All workmanship and materials shall conform to applicable provisions of the "Standard Specifications for Municipal Public Works Construction" prepared by the Washington State Chapter, A.P.W.A., and shall be subject to approval by the City of Ferndale Director of Public Works.
2. Sewer and water services shall be installed where directed in the field.



4/28/82

Harry R. Fulton
Consultant Planner
1537 Glen Cove Lane
Bellevue, WA 98005

CITY OF FERNDAL
JEFFCOTT PLACE
WATER & SEWER PLAN

GEORGE H. RAPER & ASSOCIATES
372 "H" Street
Blaine, Washington 98230

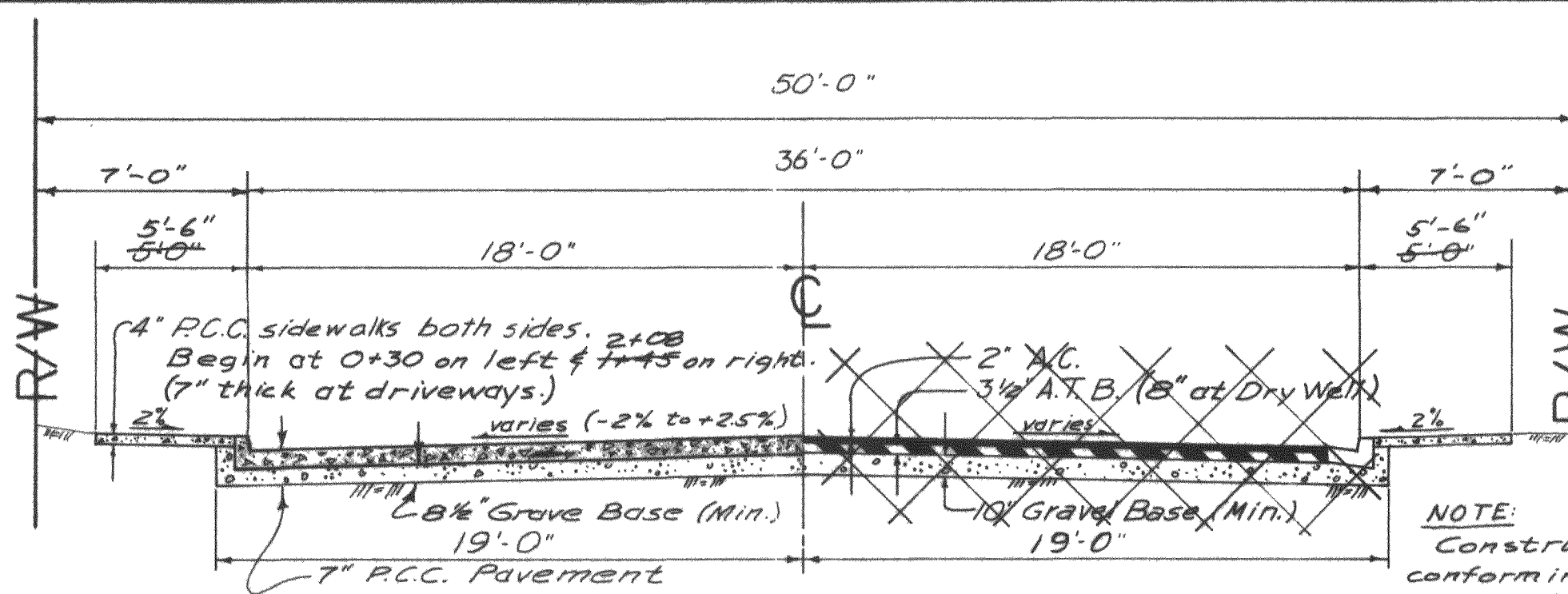
Scale As Shown Date 4/28/82 Sheet 1 of 1

00089.001 2-14-06 K2

NOTE:

Crown Cross Slope
0+30 to 1+50: -2.0%
1+50 to 1+90: Transition,
-2.0% to 0.0%
1+90 to End: Slope to Center.

Gutter Cross Slope
0+30 to 1+85.24: Slope to curb.
1+85.24 to 2+00: Transition,
2+00 to End: Slope to Center.

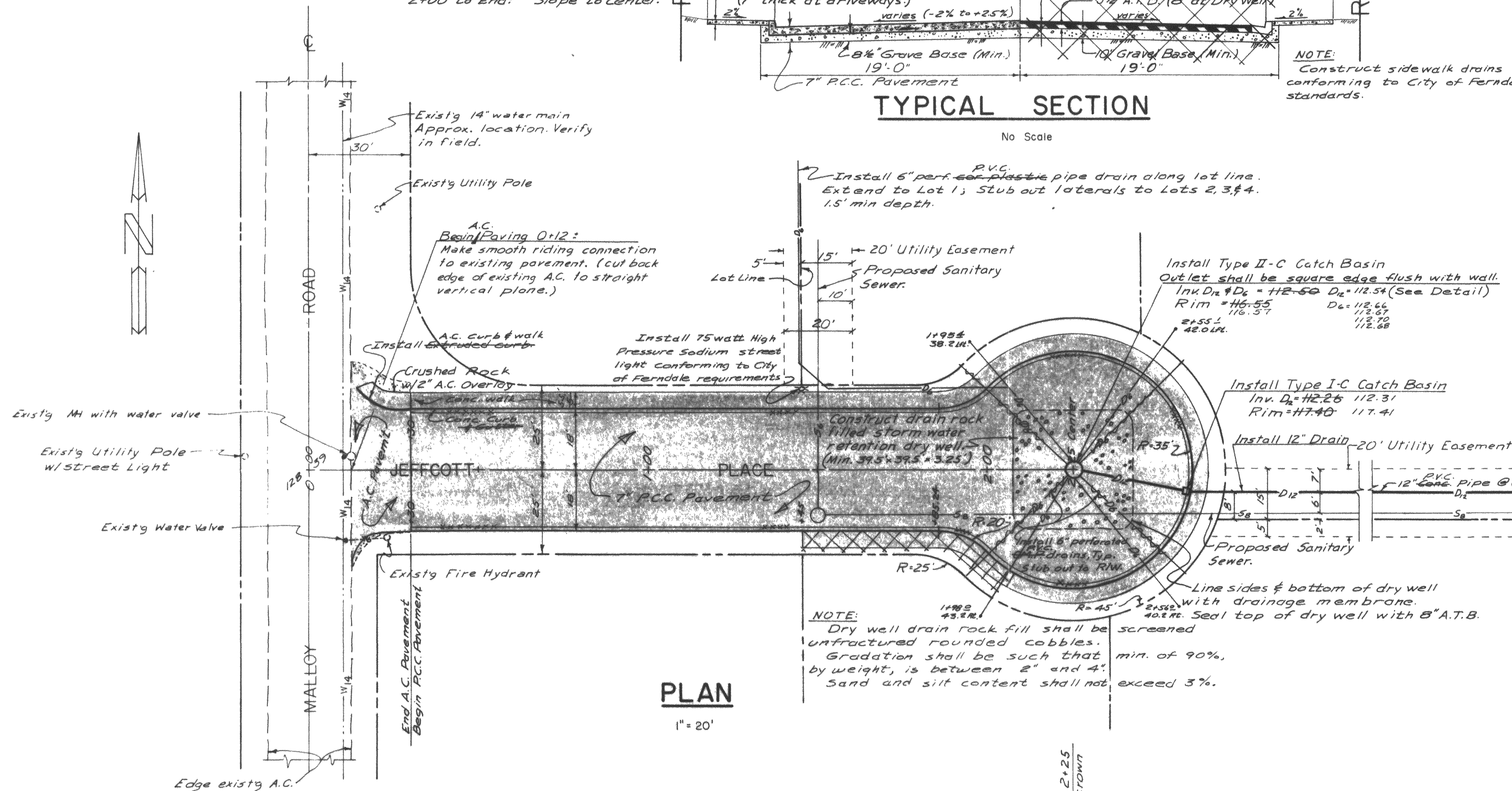


TYPICAL SECTION

No Scale

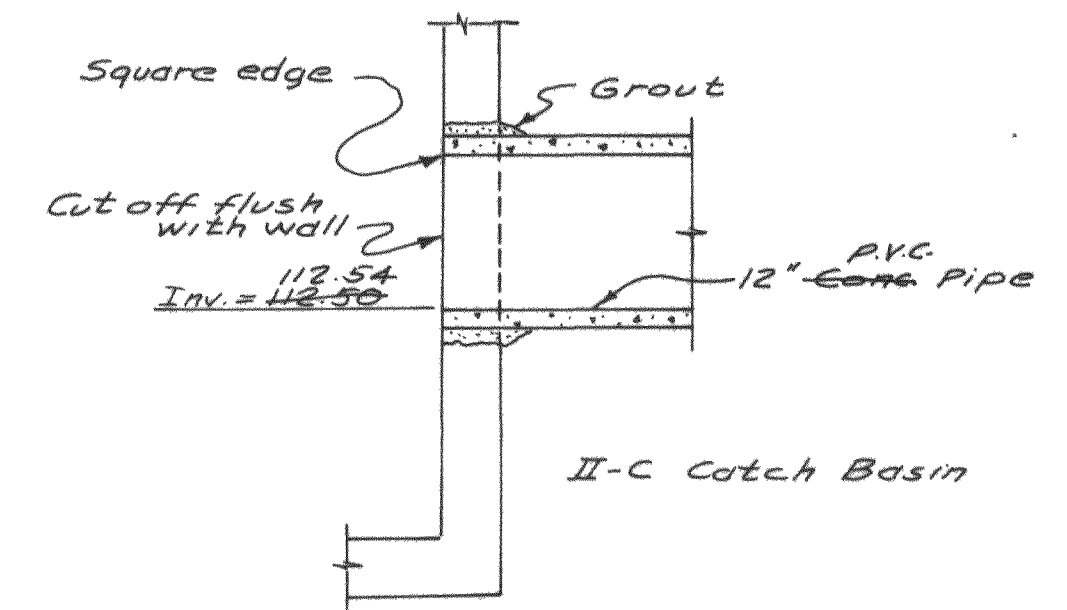
CONCRETE TEST RESULTS:

	BEAM TEST	CYLINDER TEST
Sample #1	568 psi 9/16/82	4,240 psi 9/14/82
Sample #2	594 psi 9/17/82	3,060 psi 9/16/82
Sample #3	742 psi 9/20/82	4,440 psi 9/20/82



PLAN

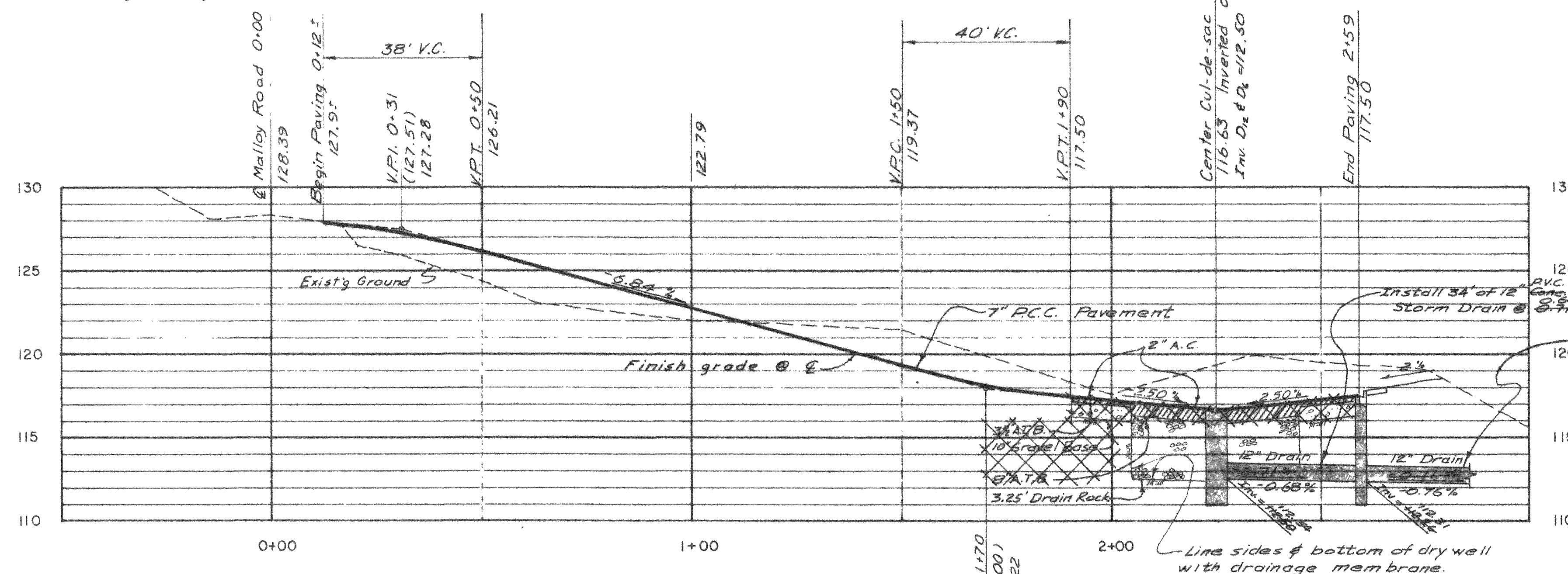
1" = 20'



OUTLET DETAIL

NOTES:

- All workmanship and materials shall conform to applicable provisions of the "Standard Specifications for Municipal Public Works Construction," prepared by the Washington State Chapter, A.P.W.A., and shall be subject to approval by the City of Ferndale Director of Public Works.
- All Portland Cement Concrete shall be Class 5.5 (1 1/2) with 5% air entrainment, 1 1/2" maximum aggregate size and minimum 5.5 sacks Portland Cement per cubic yard.
- Asphalt Concrete shall be Class B with minimum 5 1/2% by weight asphalt content.
- Depressed curb driveway openings shall be constructed where directed in the field.
- Sidewalks and curb & gutter shall have transverse thru joints of 3/16" min thickness preformed joint filler spaced at 15' max, and at curb returns and each side of driveway openings.
- Underground utilities exist within the project area; verify locations with City Utilities Dept. before excavating.
- Install one 75 watt high pressure sodium cobra head street lights. Locate where directed by City of Ferndale Director of Public Works.
- Install 155' of 12" PVC Storm Drain @ 0.71% to top of bank & 100' of 12" C.M.P. down slope with 1.5' min. cover. (SEE SEWER PLAN SHEET.) Daylight 12" pipe storm drain to open swale at toe of slope & construct 590' of open swale to discharge to existing ditch north of High School athletic field. (SEE SEWER PLAN SHEET.) Cast in place 3 concrete encasement anchor blocks on slope at approx 30' intervals. Excavate for anchor blocks min. of 12" into undisturbed soil under, and at each side, of pipe. Encase min. of 2' of pipe length at each block and min. of 12" thickness over pipe.



PROFILE

1" = 20' Hor.
1" = 5' Vert.

APPROVED FOR CONSTRUCTION:

CITY OF FERNDAL

AS CONSTRUCTED: Calvin M. Raper 10/22/82

Calvin M. Raper
4/28/82

CONTACT:
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Consultant Planner
1537 Glen Cove Lane
Bellingham, WA 98226

CITY OF FERNDAL
JEFFCOTT PLACE
PLAN & PROFILE

GEORGE H. RAPER & ASSOCIATES
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Scale As Shown Date 4/28/82 Sheet 1 of 1