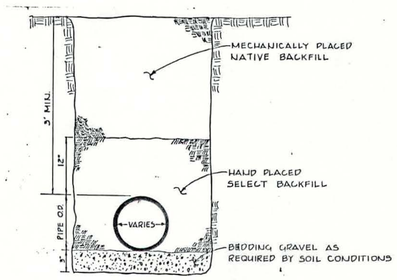
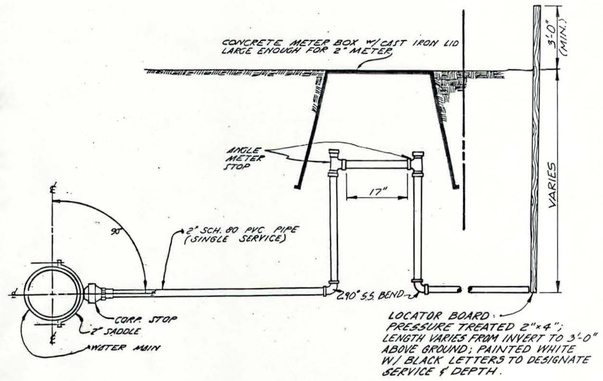
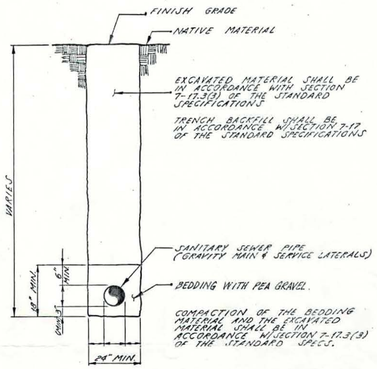


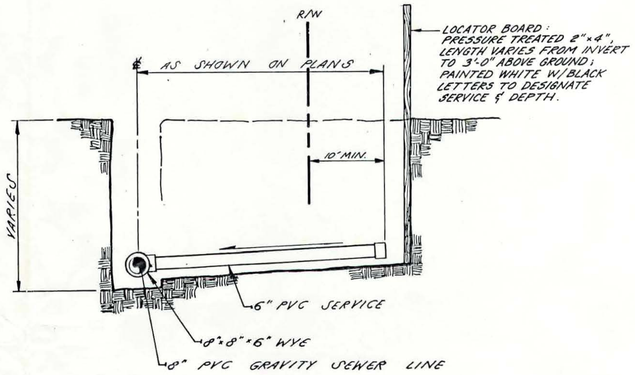
WATER TRENCH SECTION
N.T.S.



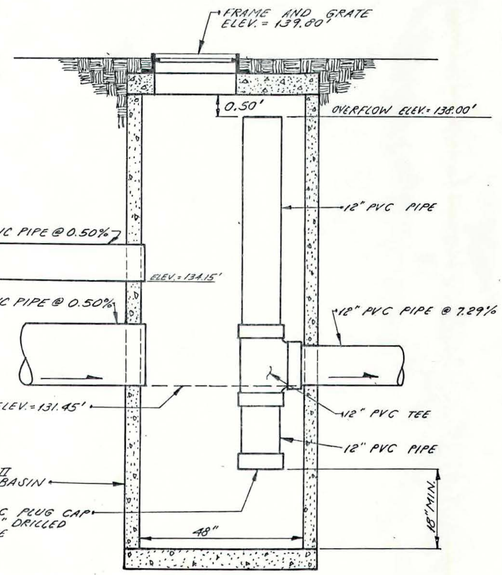
WATER SERVICE CONNECTION
N.T.S.



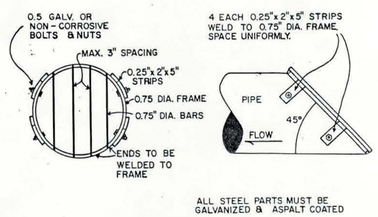
SEWER TRENCH SECTION
N.T.S.



SEWER SERVICE CONNECTION
N.T.S.



CATCHBASIN #2 DETAIL
N.T.S.



TYPICAL DEBRIS BARRIER
N.T.S.

GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION 1988 STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, AND THE A.P.W.A. SPECIFICATIONS WHEN NOT COVERED BY CITY OF ARLINGTON STANDARDS AND SPECIFICATIONS.

2. ALL WORK WITHIN THE SITE AND CITY RIGHT-OF-WAY SHALL BE SUBJECT TO THE INSPECTION OF THE CITY ENGINEER OR HIS DESIGNATED REPRESENTATIVE.

3. PRIOR TO ANY SITE WORK, THE CONTRACTOR SHALL NOTIFY THE CITY UTILITIES DEPARTMENT AT 435-5785 TO SET UP SCHEDULING. DUE TO FIELD CHANGES (REVISIONS), ENGINEERED ASBUILTS MAY BE REQUIRED PRIOR TO SITE APPROVAL.

4. ALL SITE WORK MUST COMPLY TO CHAPTER 70 OF THE BUILDING CODE.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. UTILITIES SHOWN HEREON ARE FOR THE PURPOSE OF ASSISTING THE CONTRACTOR IN LOCATING SAID FACILITIES. NO WARRANTY IS EXPRESSED OR IMPLIED AS TO THE ACCURACY OR COMPLETION SHOWN. THE CONTRACTOR SHALL CALL DIAL-DIG 48 HOURS PRIOR TO CONSTRUCTION AND NOTIFY THE CITY UTILITIES DEPARTMENT AT 435-5785.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND/OR REPAIRING ASPHALT AND GRAVEL SURFACES DISTURBED AS A RESULT OF THIS CONSTRUCTION UNTIL THEY ARE ACCEPTED BY THE CITY.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS FOR UTILITY CONSTRUCTION.

8. ALL PIPE SHALL BE PLACED ON STABLE EARTH, OR IF IN THE OPINION OF THE CITY ENGINEER THE EXISTING FOUNDATION IS UNSATISFACTORY, THEN IT SHALL BE EXCAVATED BELOW GRADE AND BACKFILLED TO GRADE WITH SAND-GRAVEL, CRUSHED ROCK OR OTHER SUITABLE MATERIAL. NEVER INSTALL PIPE ON SOD, FROZEN EARTH, LARGE BOULDERS OR ROCK.

9. THE BACKFILL SHALL BE PLACED EQUALLY ON BOTH SIDES OF THE PIPE OR PIPE-ARCH IN LAYERS WITH A LOOSE AVERAGE DEPTH OF 6 INCHES, MAXIMUM DEPTH 8 INCHES, THOROUGHLY TAMPING EACH LAYER. THESE COMPACTED LAYERS MUST EXTEND FOR ONE DIAMETER ON EACH SIDE OF THE PIPE OR TO THE SIDE OF THE TRENCH. MATERIALS TO COMPLETE THE FILL OVER PIPE SHALL BE THE SAME AS DESCRIBED. (REFER TO WSDOT STD. SPEC. 7-04-.3(3) AND STD. SPEC. 2-03.3(14)C, METHOD B AND C.

10. ALL GRATES (INLET AND CATCH BASINS) SHALL BE DEPRESSED 0.1 FEET BELOW PAVEMENT LEVEL.

11. ALL CATCH BASINS TO BE TYPE 1 UNLESS OTHERWISE NOTED.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL MANHOLE, INLET, CATCH BASIN FRAMES AND GRATES AND WATER VALVE COVERS JUST PRIOR TO POURING OF CURBS AND PAVING.

13. ALL FILLS SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY BY MODIFIED PROCTOR TEST.

14. TRENCH BACKFILL OF NEW UTILTIES SHALL BE COMPACT TO 95% RELATIVE COMPACTION UNDER ROADWAYS AND 90% RELATIVE COMPACTION OFF ROADWAYS, AS SPECIFIED IN SECTION 2-03.3(14)D AND SECTION 2-03.3(14)B.

15. ALL EARTH WORK SHALL BE PERFORMED IN ACCORDANCE WITH CITY OF ARLINGTON STANDARDS.

16. IF CUT AND FILL SLOPES EXCEED A MAXIMUM OF TWO FEET HORIZONTAL TO ONE FOOT VERTICAL, A ROCK OR CONCRETE RETAINING WALL WILL BE REQUIRED. ALL ROCK RETAINING WALLS ARE TO FOLLOW CITY SPECIFICATIONS.

17. VEGETATION SHALL BE ESTABLISHED ON AREAS DISTURBED OR ON AREAS OF CONSTRUCTION AS NECESSARY TO MINIMIZE EROSION.

18. LOT LINES SHOWN HEREON ARE APPROXIMATE. ACTUAL PLATTED DIMENSIONS AND/OR DEED LOCATIONS SHALL TAKE PRECEDENCE.

19. TESTING SHALL BE AS SET FORTH BY THE CITY OF ARLINGTON.

20. PIPE SPECIFICATIONS:

    P.V.C. PIPE SHALL MEET THE REQUIREMENTS OF ASTM DESIGNATION D 3034 SDR 35 UNLESS OTHERWISE SPECIFIED.

21. WATER MAINS SHALL BE DUCTILE IRON, CLASS 52 PIPE CEMENT MORTARED LINED WITH TYTON JOINT AND BE CONNECTED WITH MECHANICAL JOINTS.

22. FOR 3/4" TO 1" WATER SERVICES USE TYPE "K" COPPER PIPE; FOR 1 1/2" TO 2" WATER SERVICES USE SCHEDULE 80 PVC PIPE.

23. THE WATER METERS SHALL BE INSTALLED BY THE CITY WATER DEPARTMENT.

24. THE CITY WILL OPEN OR CLOSE ALL VALVES DURING THE COURSE OF CONSTRUCTION, FILLING, TESTING AND FLUSHING WATER MAINS AND SUBMIT THE BACTERIOLOGICAL WATER SAMPLE. PRESSURE TESTING SHALL BE DONE BY CONTRACTOR *UNDER CITY SUPERVISION AND* TO CITY STANDARDS.

25. ALL FITTINGS AND MATERIAL REMOVED FROM EXISTING MAINS SHALL BE RETURNED TO THE CITY OF ARLINGTON.

26. ALL WATER MAINS SHALL HAVE A MINIMUM OF 36 INCHES OF COVER.

27. THRUST BLOCKING IS REQUIRED AT ANGLE POINTS AROUND BENDS AND SHALL CONFORM TO MANUFACTURES'S RECOMMENDATIONS AND REQUIREMENTS OF THE CITY UTILITES DEPARTMENT.

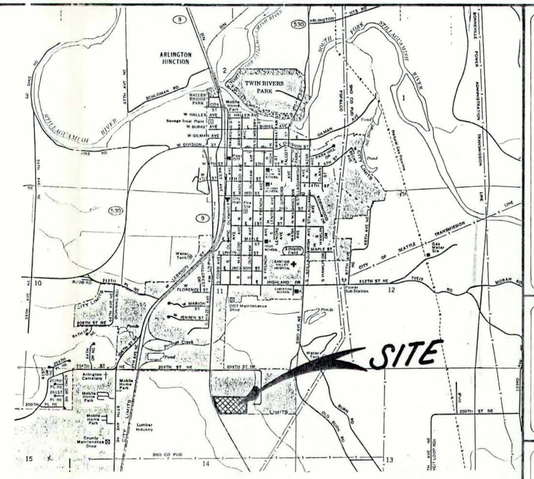
28. FIRE HYDRANTS ARE TO BE COVERED WITH BURLAP BAG AND SECURED UNTIL SYSTEM IS OPERATIONAL. THE HYDRANTS SHALL BE MUELLER A-423.

29. PIPE LENGTHS SHOWN ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR SUPPLYING PROPER QUANTITIES OF MATERIALS.

30. WATER/SEWER LINE SEPARATION SHALL BE 10 FEET HORIZONTAL AND 18 INCHES VERTICAL DISTANCE OR SHALL BE ENCASED.

31. THE CONNECTION TO THE MANHOLE SHALL BE WITH A TRANSITION COUPLING GROUTED DIRECTLY INTO THE MANHOLE.

32. PIPE BEDDING SHALL CONFORM WITH THE DETAIL DRAWING.



VICINITY MAP
N.T.S.

EXAMINED AND APPROVED FOR CONSTRUCTION ON THIS 23 DAY OF MAY 1990.

CITY OF ARLINGTON ENGINEER

DESIGNED DATE
DRAWN T. ADKINS DATE 01/3/89
CHECKED R. DEVOUR DATE 01/3/89
SCALE-HORIZONTAL: N/A
VERTICAL: N/A
JOB NUMBER #7832
FIELD BOOK MR. 32
COUNTY SNOHOMISH

MELVIN F. POYNER
REGISTERED PROFESSIONAL ENGINEER

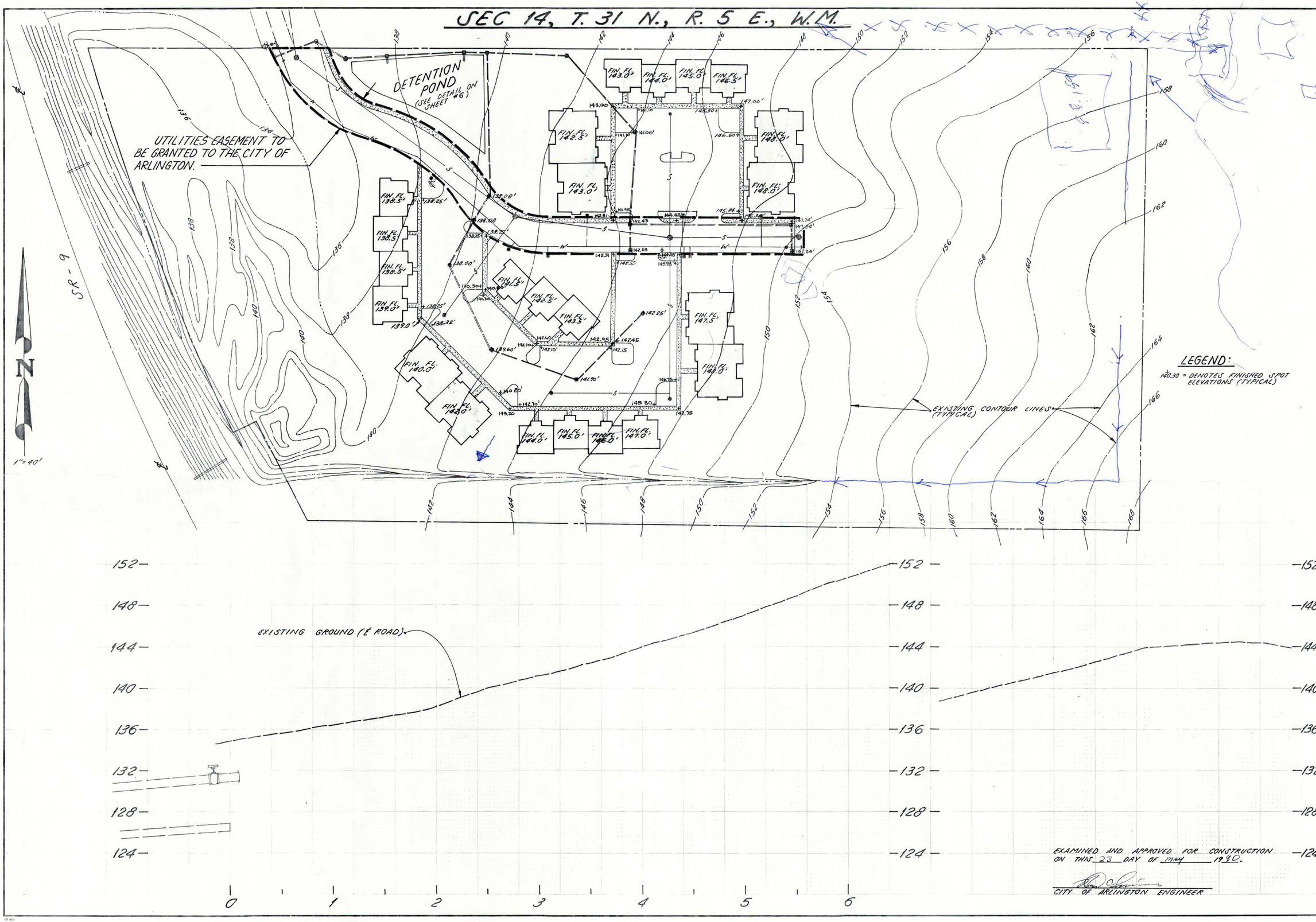
by Cascade Surveying & Engineering, Inc.
P.O. BOX 326
ARLINGTON, WA
435-5551
652-7572

for UTILITY CONSTRUCTION PLANS FOR KENT PRAIRIE APARTMENTS

PLAN SET

RECEIVED
APR 28 1991
CITY OF ARLINGTON

SEC 14, T. 31 N., R. 5 E., W.M.



LEGEND:

120.30 = DENOTES FINISHED SPOT ELEVATIONS (TYPICAL)

EXAMINED AND APPROVED FOR CONSTRUCTION ON THIS 23 DAY OF May 1990.

CITY OF ARLINGTON ENGINEER

DESIGNED — DATE
DRAWN T. ADAMS — DATE 11/17/89
CHECKED R. DEVOR — DATE 11/13/89
SCALE - HORIZONTAL 1" = 40'
- VERTICAL
JOB NUMBER 7832
FIELD BOOK ARL 33
COUNTY SNOHOMISH

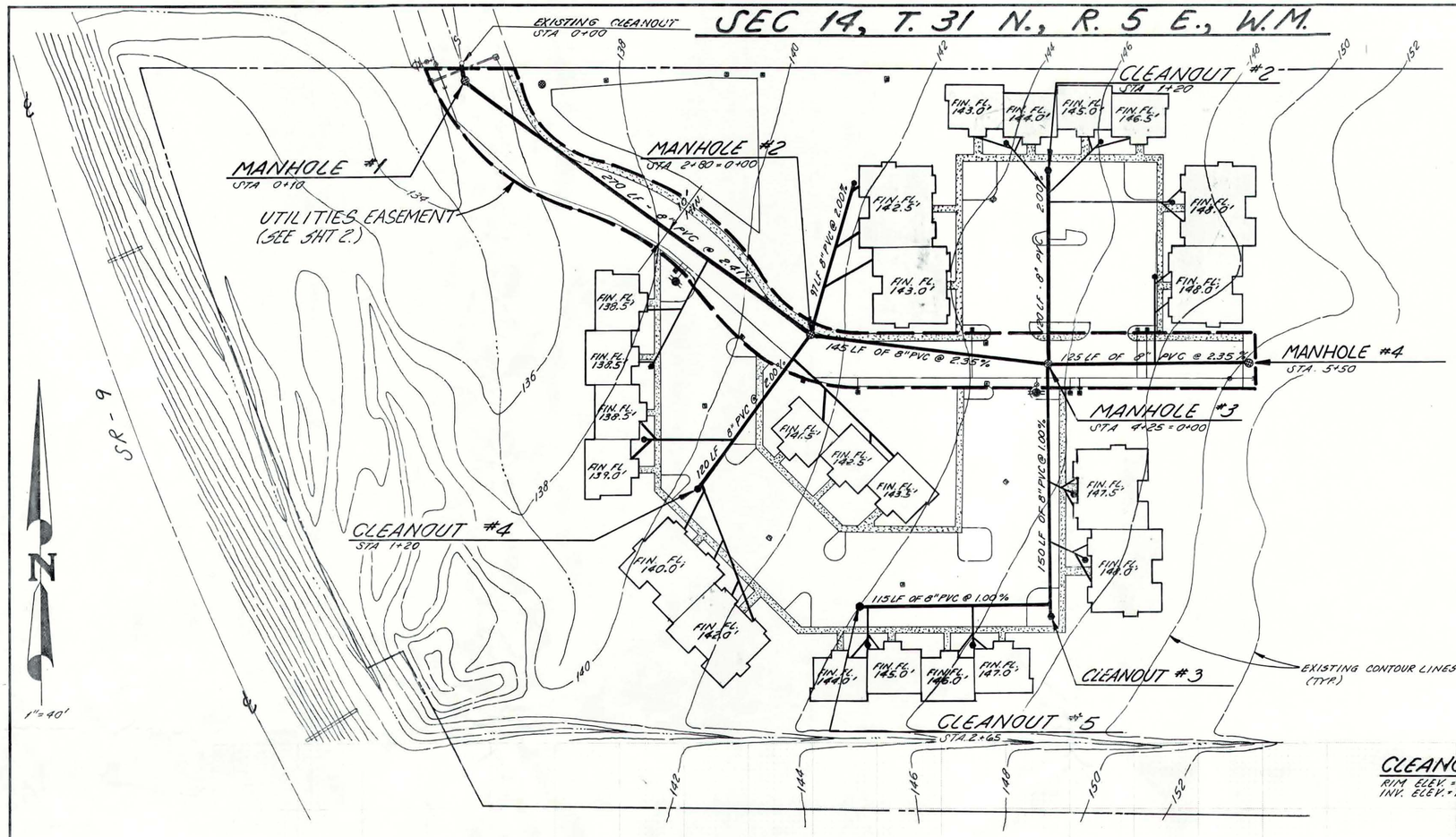
FRED F. POYNER — REGISTERED PROFESSIONAL ENGINEER — STATE OF WASHINGTON

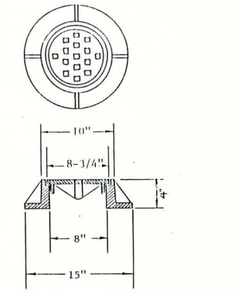
by Cascade Surveying & Engineering, Inc.
P O BOX 326
ARLINGTON, WA
435-5551
652-7572

for GRADING PLAN FOR KENT PRAIRIE APARTMENTS

2 of 6
#7832

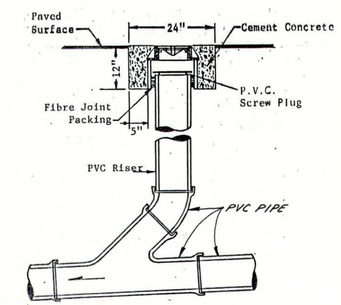
SEC 14, T. 31 N., R. 5 E., W.M.



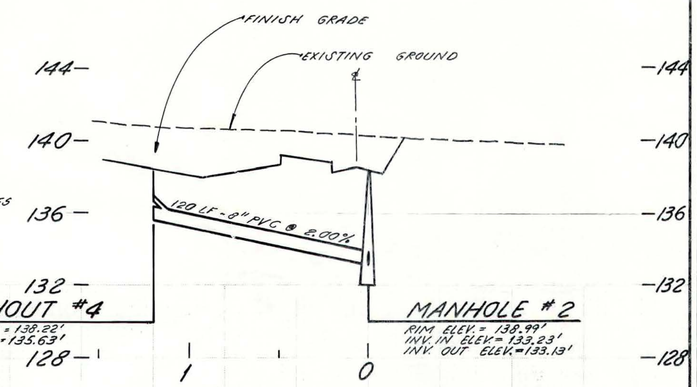


CAST IRON RING AND COVER

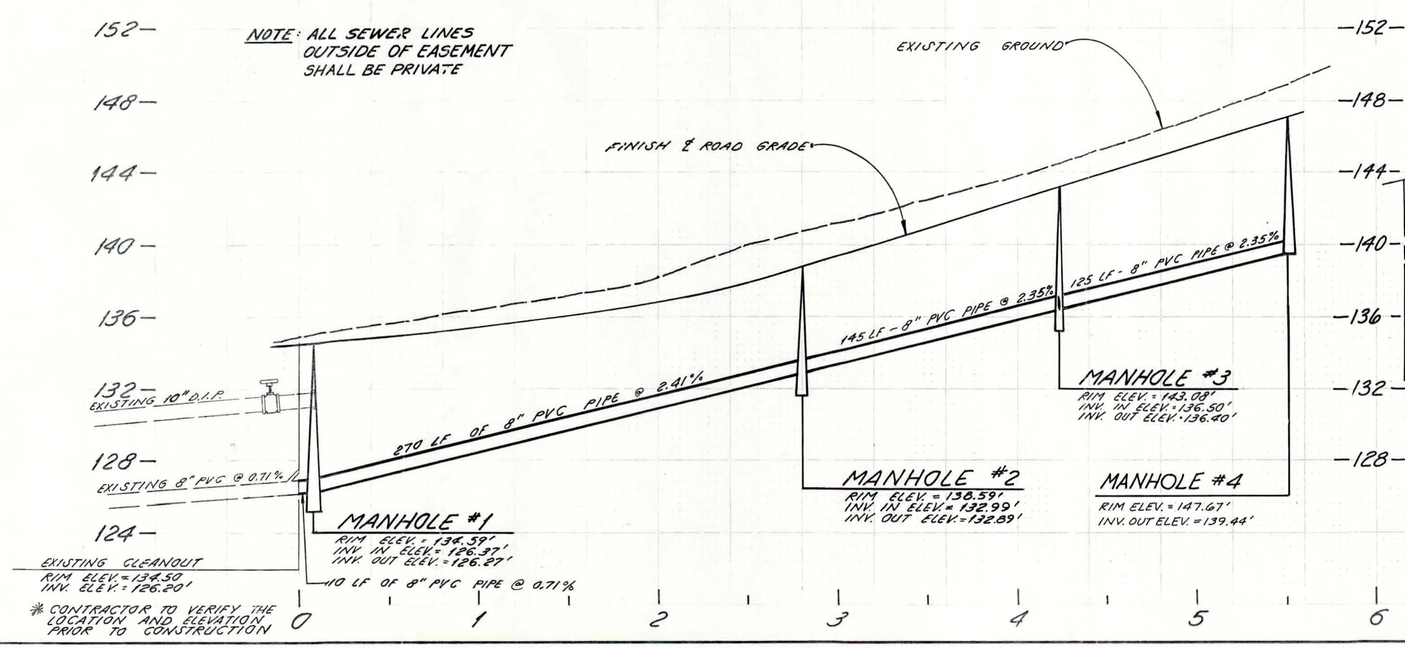
1. Vertical riser portion of clean-out shall be all PVC.
2. A sanitary Tee or Sweep may be installed in lieu of a "Y" as shown. Straight Tees are not acceptable.



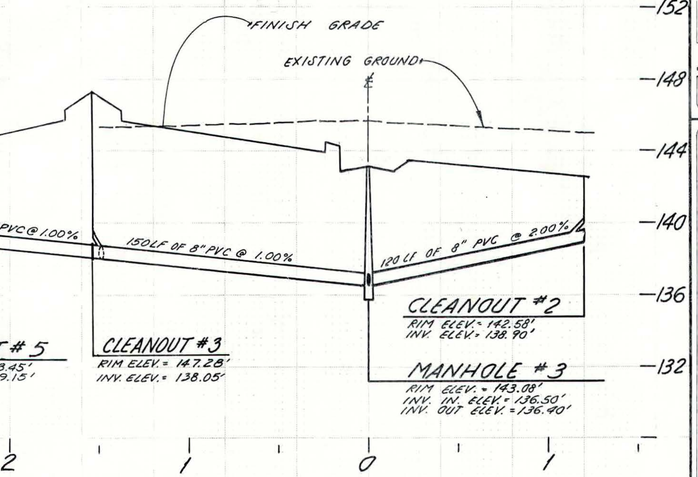
TYPICAL CLEANOUT DETAIL
N.T.S.



NOTE: ALL SEWER LINES OUTSIDE OF EASEMENT SHALL BE PRIVATE



* CONTRACTOR TO VERIFY THE LOCATION AND ELEVATION PRIOR TO CONSTRUCTION



EXAMINED AND APPROVED FOR CONSTRUCTION ON THIS 23 DAY OF [illegible] 19[illegible].

CITY OF ARLINGTON ENGINEER

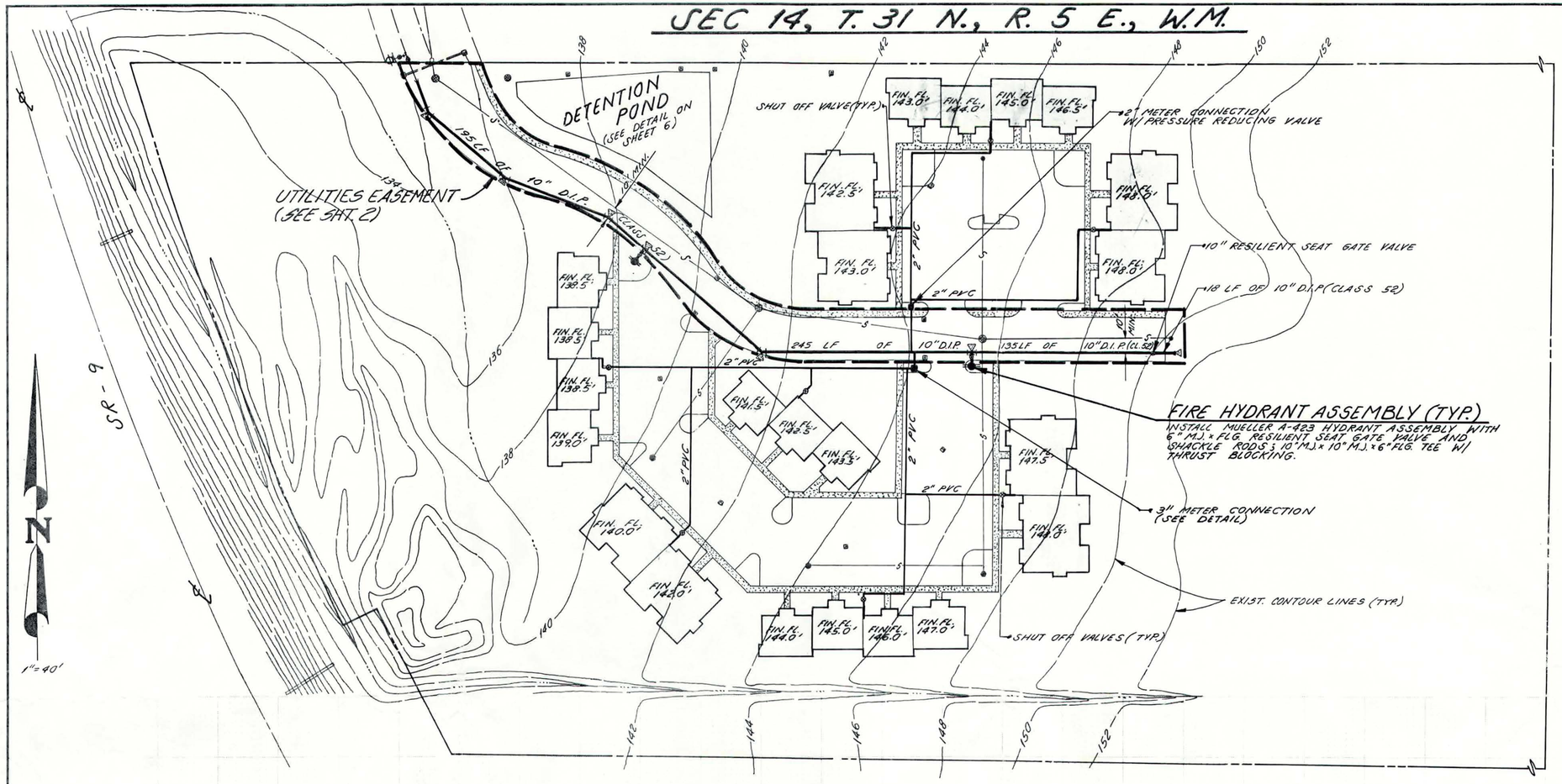
DESIGNED
DRAWN T. ADKINS DATE 11/31/92
CHECKED R. DEVOIR DATE 11/30/92
SCALE - HORIZONTAL 1"=40'
- VERTICAL 1"=8'
JOB NUMBER 7832
FIELD BOOK AR-33
COUNTY SNOHOMISH

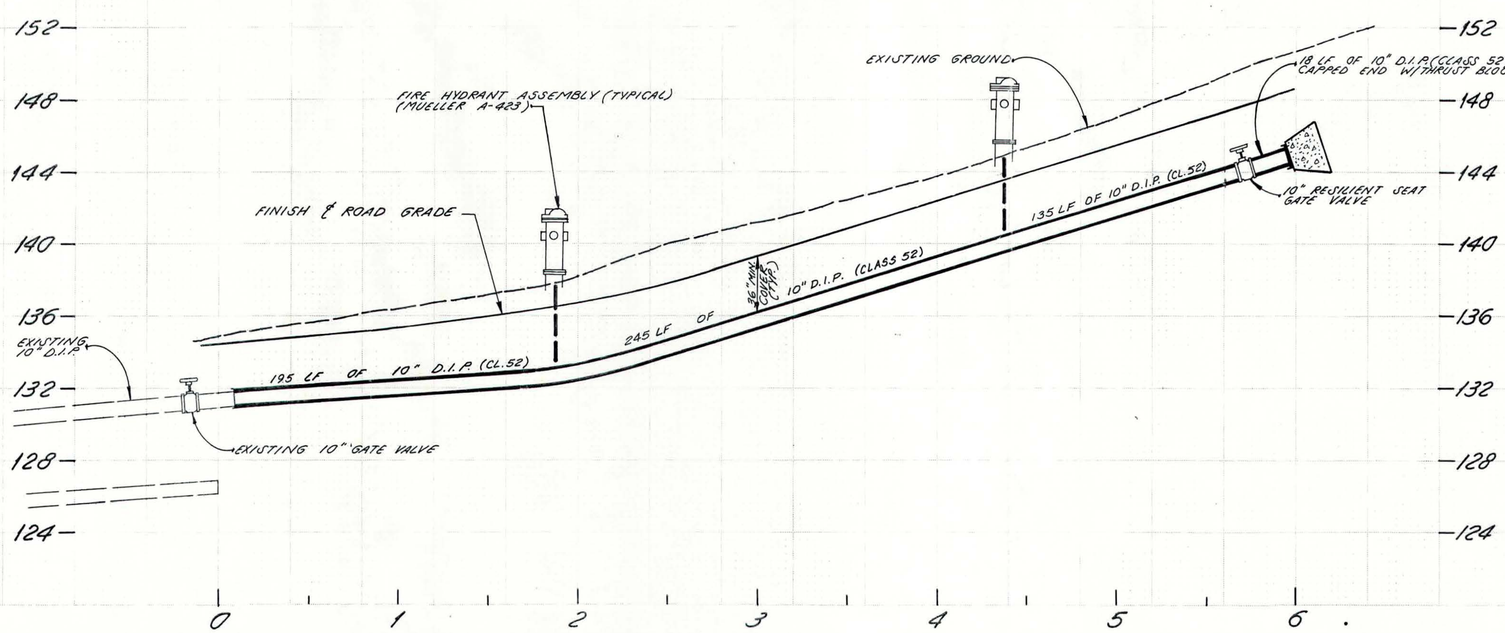
FRED F. POYNER REGISTERED PROFESSIONAL ENGINEER

Surveying & Engineering, Inc.
P.O. BOX 326
ARLINGTON, WA
by Cascade
436-5551
652-7572

SEWER PLAN
FOR
KENT PRAIRIE APARTMENTS
for

SEC 14, T. 31 N., R. 5 E., W.M.

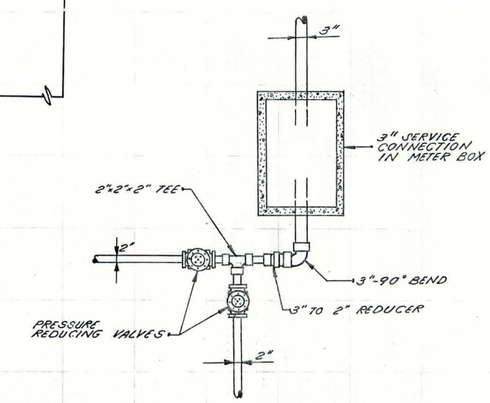




LEGEND:

T = DENOTES TYPICAL WATER SERVICE AND METER BOX LOCATIONS

NOTE: CONTRACTOR TO MAINTAIN A UNIFORM DISTANCE OF 3 FEET FROM THE EDGE OF ASPHALT BY THE USE OF ALLOWABLE DEFLECTION OF THE PIPE OR BY SUPPLYING THE APPROPRIATE BENDS TO MAINTAIN THE UNIFORM DISTANCE.



3" METER CONNECTION

N.T.S.

EXAMINED AND APPROVED FOR CONSTRUCTION ON THIS 23 DAY OF MAY 1990.

CITY OF ARLINGTON ENGINEER

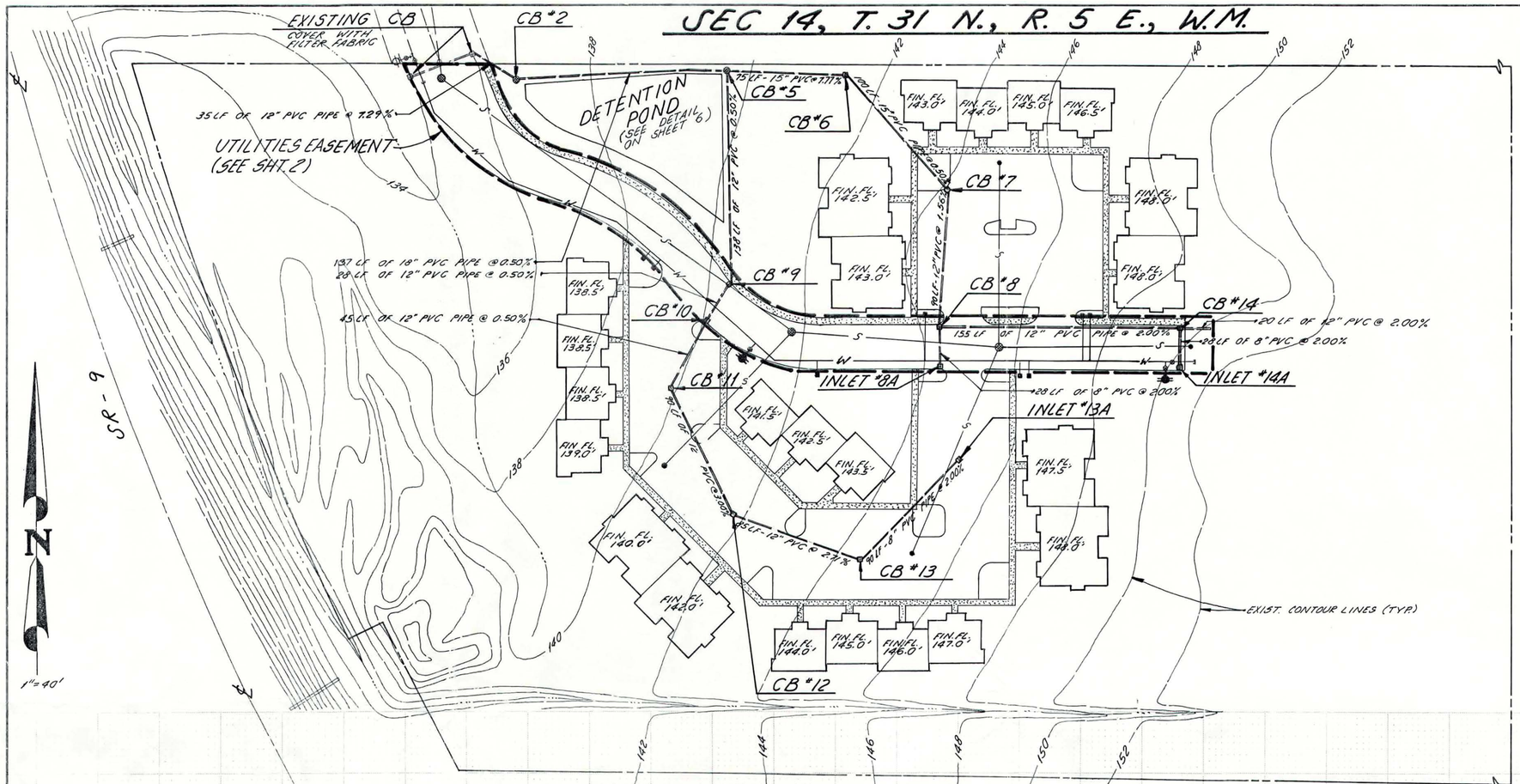
1	REVISED SERVICE LINES AND METER LOCATIONS	T.A.A.	7/14/90 R.L.D.

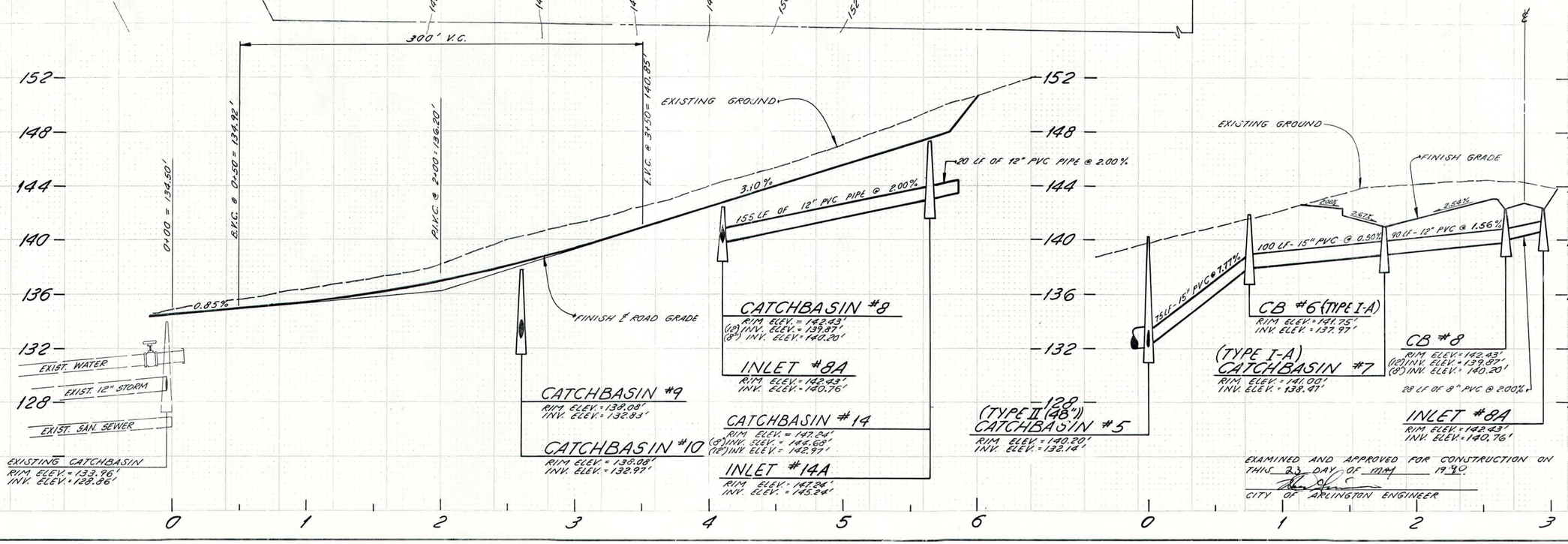
DESIGNED DATE
DRAWN T. ADKINS DATE 01/13/89
CHECKED R. DEHOIT DATE 01/13/89
SCALE-HORIZONTAL: 1" = 40'
-VERTICAL: 1" = 2'
JOB NUMBER #7832
FIELD BOOK ARL. 33
COUNTY SNOHOMISH

by Cascade Surveying & Engineering, Inc.
P.O. BOX 326
ARLINGTON, WA
435-5551
652-7572

for WATER PLAN FOR KENT PRAIRIE APARTMENTS

SEC 14, T. 31 N., R. 5 E., W.M.





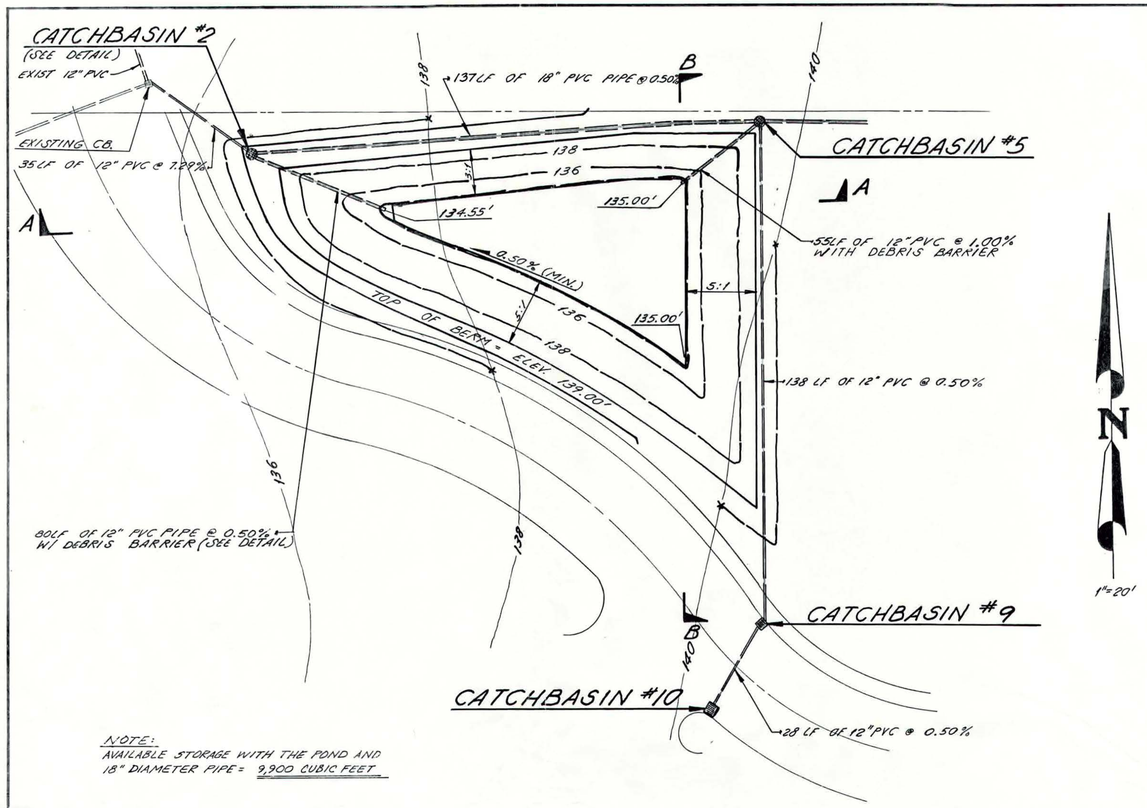
DESIGNED
DRAWN T. ADKINS DATE 11/16/89
CHECKED R. DEVOR DATE 11/16/89
SCALE - HORIZONTAL: 1"=40'
- VERTICAL: 1"=4'
JOB NUMBER #7832
FIELD BOOK ARL 33
COUNTY SNOHOMISH

FRED F. POYNER STATE OF WASHINGTON 13625 REGISTERED PROFESSIONAL ENGINEER

Cascade Surveying & Engineering, Inc.
P O BOX 326
ARLINGTON, WA
435-5551
652-7572

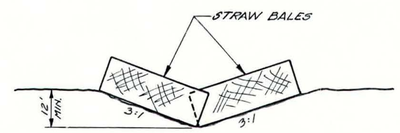
for DRAINAGE PLAN FOR KENT PRAIRIE APARTMENTS

5 OF 6
#7832

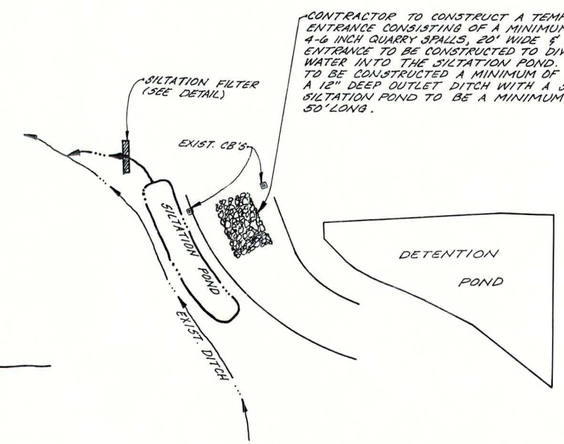


NOTE:
AVAILABLE STORAGE WITH THE POND AND 18" DIAMETER PIPE = 9,900 CUBIC FEET

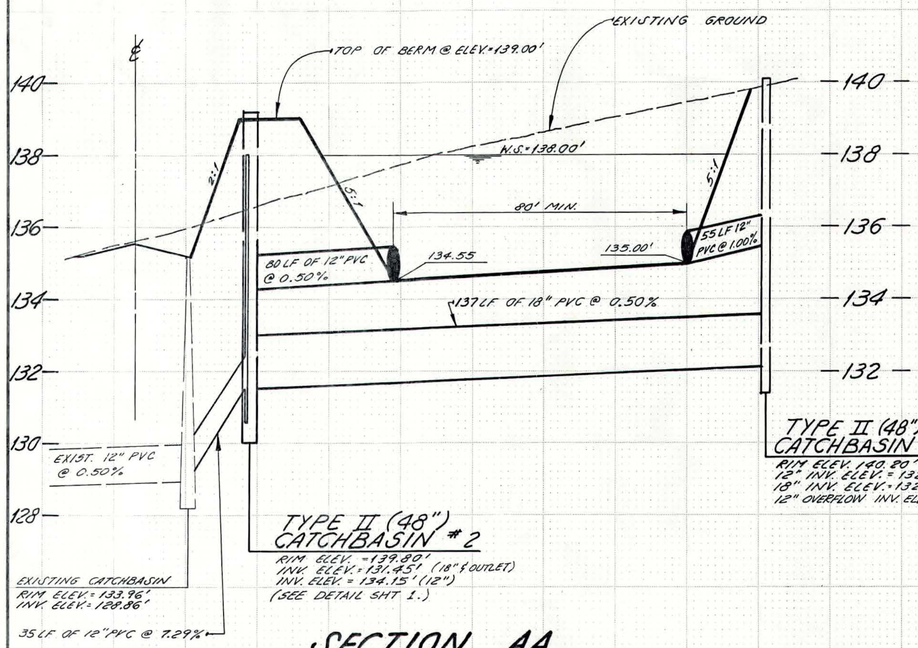
NOTE:
COVER EXISTING CATCHBASIN GRATES AT ROAD ENTRANCE WITH FILTER FABRIC UNTIL CONSTRUCTION IS COMPLETED. CHECK FILTER FABRIC ON A DAILY BASIS AND REPLACE AS NECESSARY.



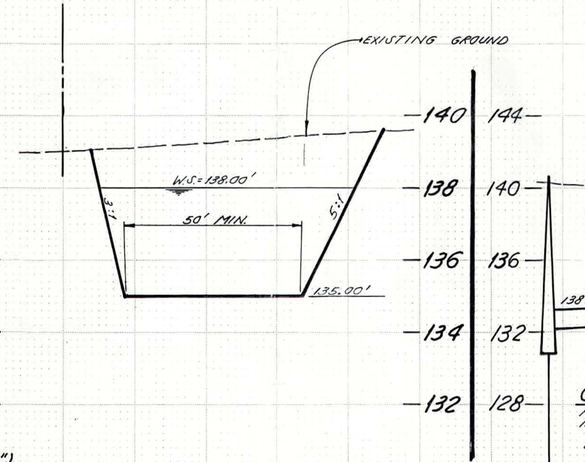
SILTATION FILTER



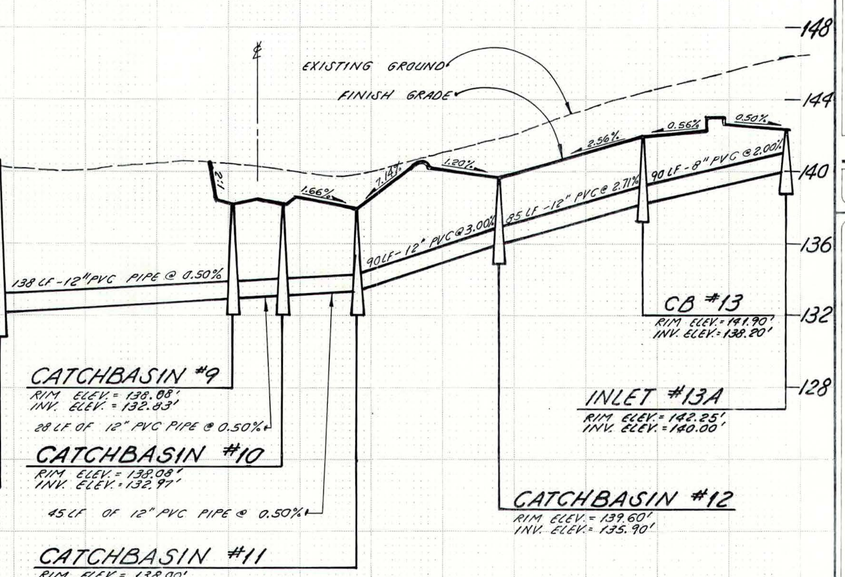
TEMPORARY EROSION & SEDIMENTATION CONTROL PLAN



SECTION AA



SECTION BB



EXAMINED AND APPROVED FOR CONSTRUCTION ON THIS 23 DAY OF May 19 90.
CITY OF ARLINGTON ENGINEER

DESIGNED — DATE
DRAWN T. ADKINS DATE 11/3/89
CHECKED R. DEFOUR DATE 11/3/89
SCALE - HORIZONTAL: 1"=20'
- VERTICAL: 1"=2'
JOB NUMBER #7832
FIELD BOOK ART 33
COUNTY SNOHOMISH

FRED POYNER REGISTERED PROFESSIONAL ENGINEER STATE OF WASHINGTON

Cascade Surveying & Engineering, Inc.
P.O. BOX 326
ARLINGTON, WA
435-5551
652-7572

for POND AND SECTIONS FOR KENT PRAIRIE APARTMENTS

6 OF 6
#7832