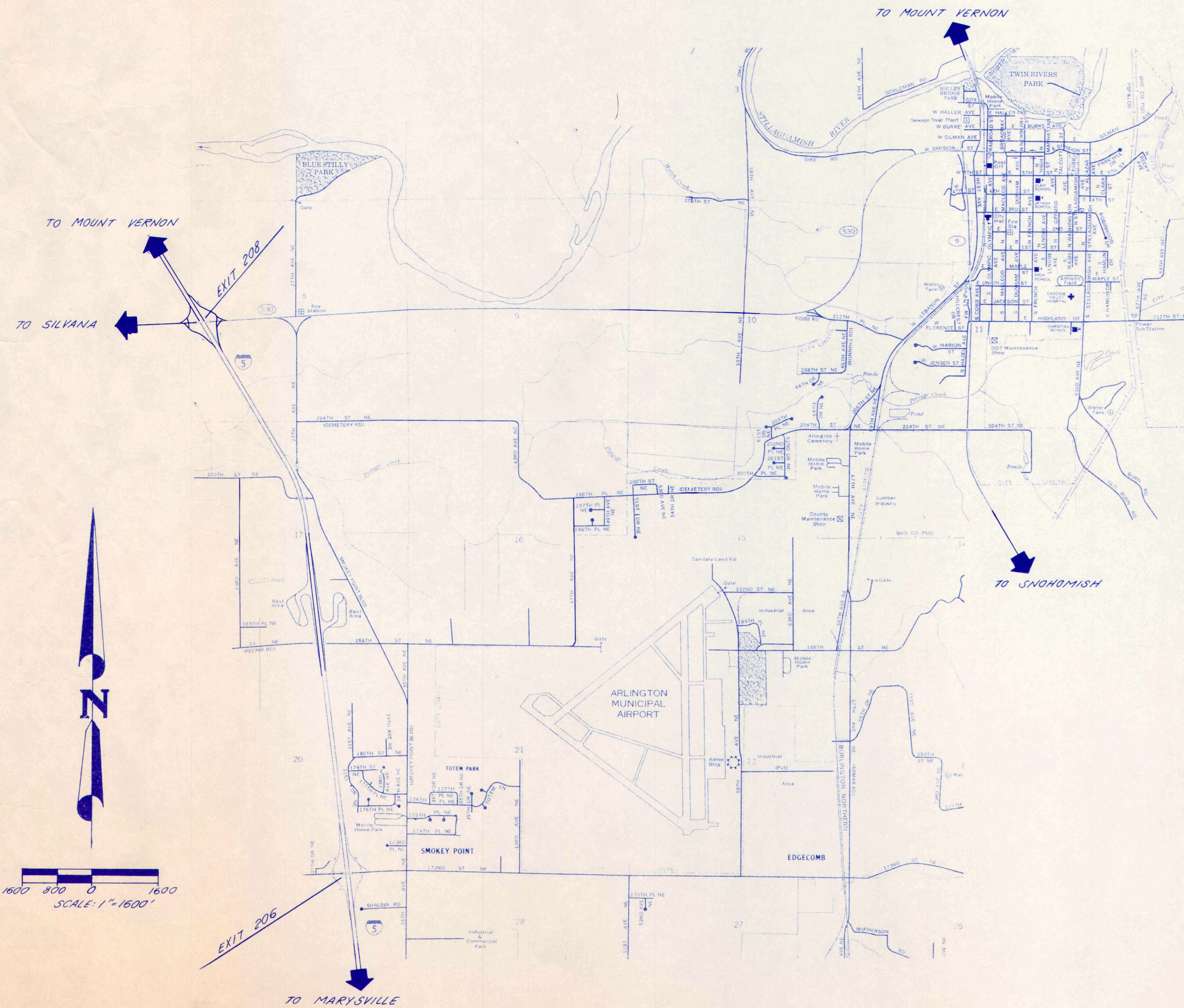


COMMUNITY YOUTH CENTER

SEC. 22, T. 31N., R. 5 E., W.M.

SEWER LINE EXTENSION



- GENERAL NOTES
1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION 1991 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 COUNTY 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 ASBULTS SHALL 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 FILLS SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY BY MODIFIED PROCTOR TEST.
 11. TRENCH BACKFILL OF NEW UTILITIES 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.
 12. ALL EARTH WORK SHALL BE PERFORMED IN ACCORDANCE WITH CITY OF ARLINGTON STANDARDS.
 13. VEGETATION SHALL BE ESTABLISHED ON AREAS DISTURBED OR ON AREAS OF CONSTRUCTION AS NECESSARY TO MINIMIZE EROSION.
 14. LOT LINES SHOWN HEREON ARE APPROXIMATE. ACTUAL PLATTED DIMENSIONS AND/OR DEED LOCATIONS SHALL TAKE PRECEDENCE.
 15. TESTING SHALL BE AS SET FORTH BY THE CITY OF ARLINGTON.
 16. PIPE SPECIFICATIONS:
P.V.C. PIPE SHALL MEET THE REQUIREMENTS OF ASTM DESIGNATION D 3034 SDR 35 UNLESS OTHERWISE SPECIFIED.
 17. PIPE LENGTHS SHOWN ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR SUPPLYING PROPER QUANTITIES OF MATERIALS.
 18. WATER/SEWER LINE SEPARATION SHALL BE 10 FEET HORIZONTAL AND 18 INCHES VERTICAL DISTANCE OR SHALL BE ENCASED.
 19. PRECAST CONCRETE MANHOLES SHALL MEET THE REQUIREMENTS OF AASHTO M 199.

EXAMINED SHEETS 1 THROUGH 3 AND APPROVED FOR CONSTRUCTION THIS _____ DAY OF _____ 19____.

CITY OF ARLINGTON ENGINEER

DESIGNED	DATE
DRAWN	DATE
CHECKED	DATE
SCALE - HORIZONTAL	DATE
SCALE - VERTICAL	DATE
JOB NUMBER	AR 9334
FIELD BOOK	AR 9334
COUNTY	GRAND COUNTY

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

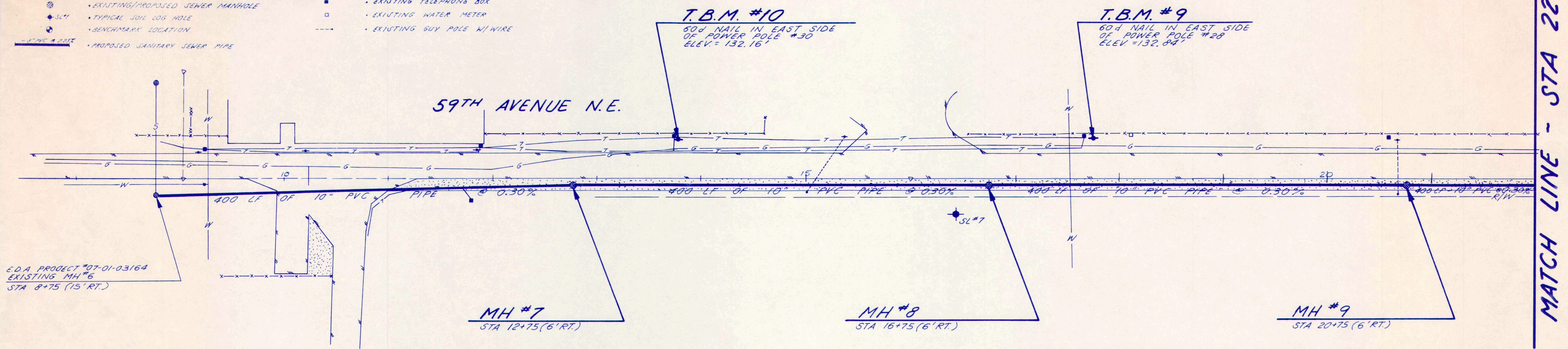
for **COMMUNITY YOUTH CENTER
 SEWER LINE EXTENSION
 GRAVITY LINE**

SEC. 22, T. 31 N., R. 5 E., W.M.

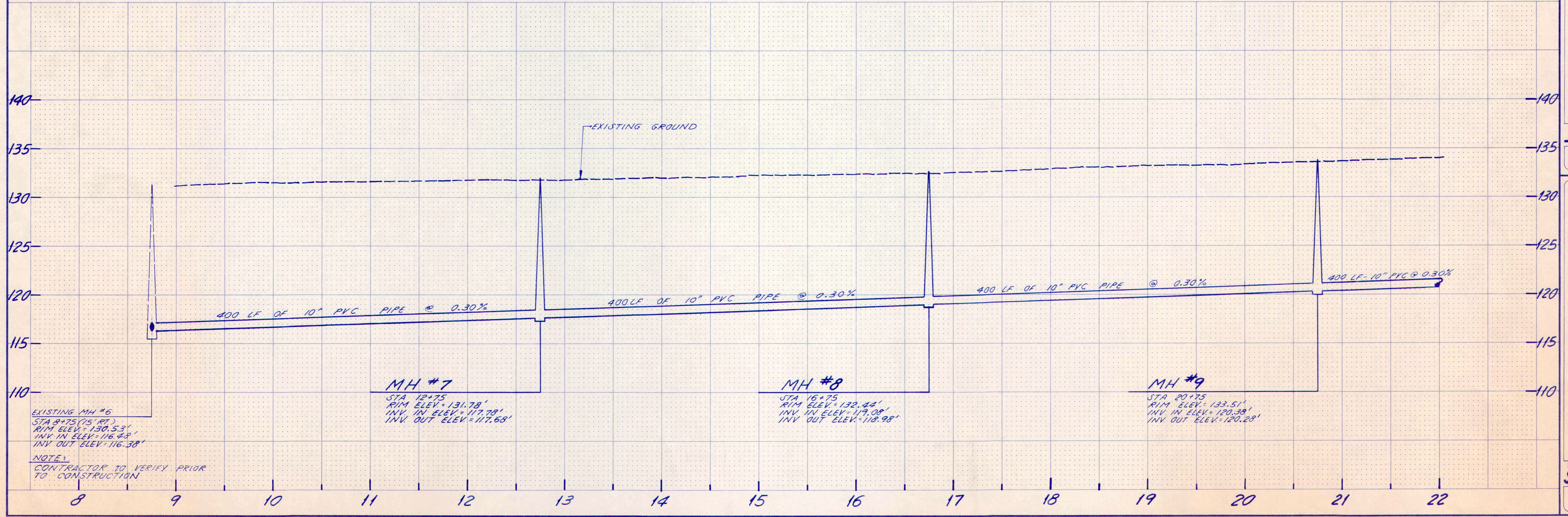
LEGEND:

- | | | | |
|--|---|--|------------------------------------|
| | • EXISTING ASPHALT SURFACES | | • EXISTING POWER POLE |
| | • EXISTING GRAVEL SURFACES | | • EXISTING LIGHT POLE |
| | • EXISTING CONCRETE SURFACES | | • EXISTING HYDRANT ASSEMBLY |
| | • EXISTING CULVERT PIPE | | • EXISTING WOOD FENCE |
| | • EXISTING WATER LINE | | • EXISTING BARB WIRE FENCE |
| | • EXISTING SANITARY SEWER LINE | | • EXISTING CYCLONE FENCE |
| | • EXISTING GAS LINE | | • EXISTING CYCLONE FENCE W/JEOPARD |
| | • EXISTING TELEPHONE LINE (UNDERGROUND) | | • EXISTING POWER LINE (OVER HEAD) |
| | • EXISTING POWER LINE (UNDERGROUND) | | • EXISTING "SIGN" W/ POST OR POLE |
| | • EXISTING/PROPOSED VALVES (GAS OR WATER) | | • EXISTING TELEPHONE BOX |
| | • EXISTING/PROPOSED SEWER MANHOLE | | • EXISTING WATER METER |
| | • TYPICAL SOIL LOG HOLE | | • EXISTING GUY POLE W/WIRE |
| | • BENCHMARK LOCATION | | |
| | • PROPOSED SANITARY SEWER PIPE | | |

NOTE:
LEGEND SHALL BE TYPICAL ALL SHEETS



E.D.A. PROJECT #07-01-03164
EXISTING MH #6
STA 8+75 (15' RT.)

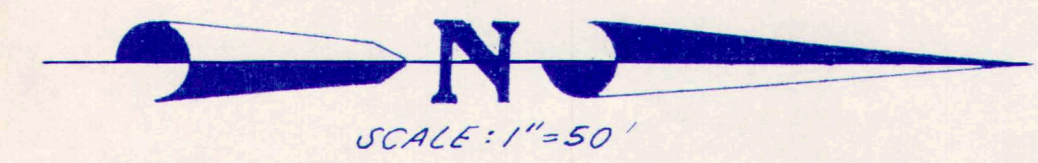


DESIGNED	DATE	10/23/91
DRAWN	T. ADKINS	DATE
CHECKED	R. DEVOIR	DATE
SCALE - HORIZONTAL	1"=50'	
SCALE - VERTICAL	1"=5'	
JOB NUMBER	#9334	
FIELD BOOK	ART-37	
COUNTY	UNDEVELOPED	

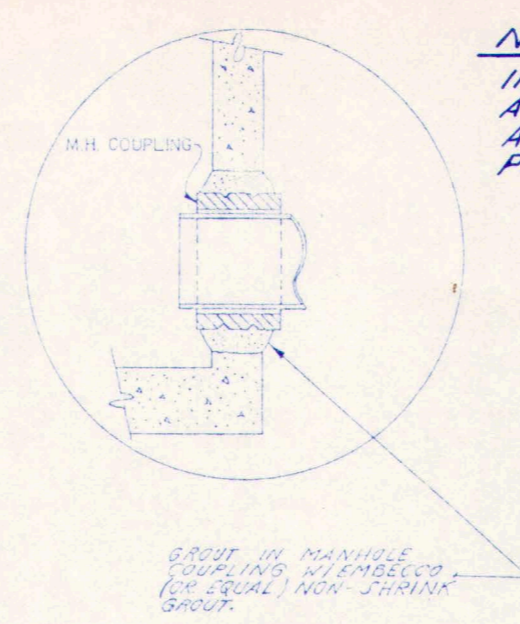
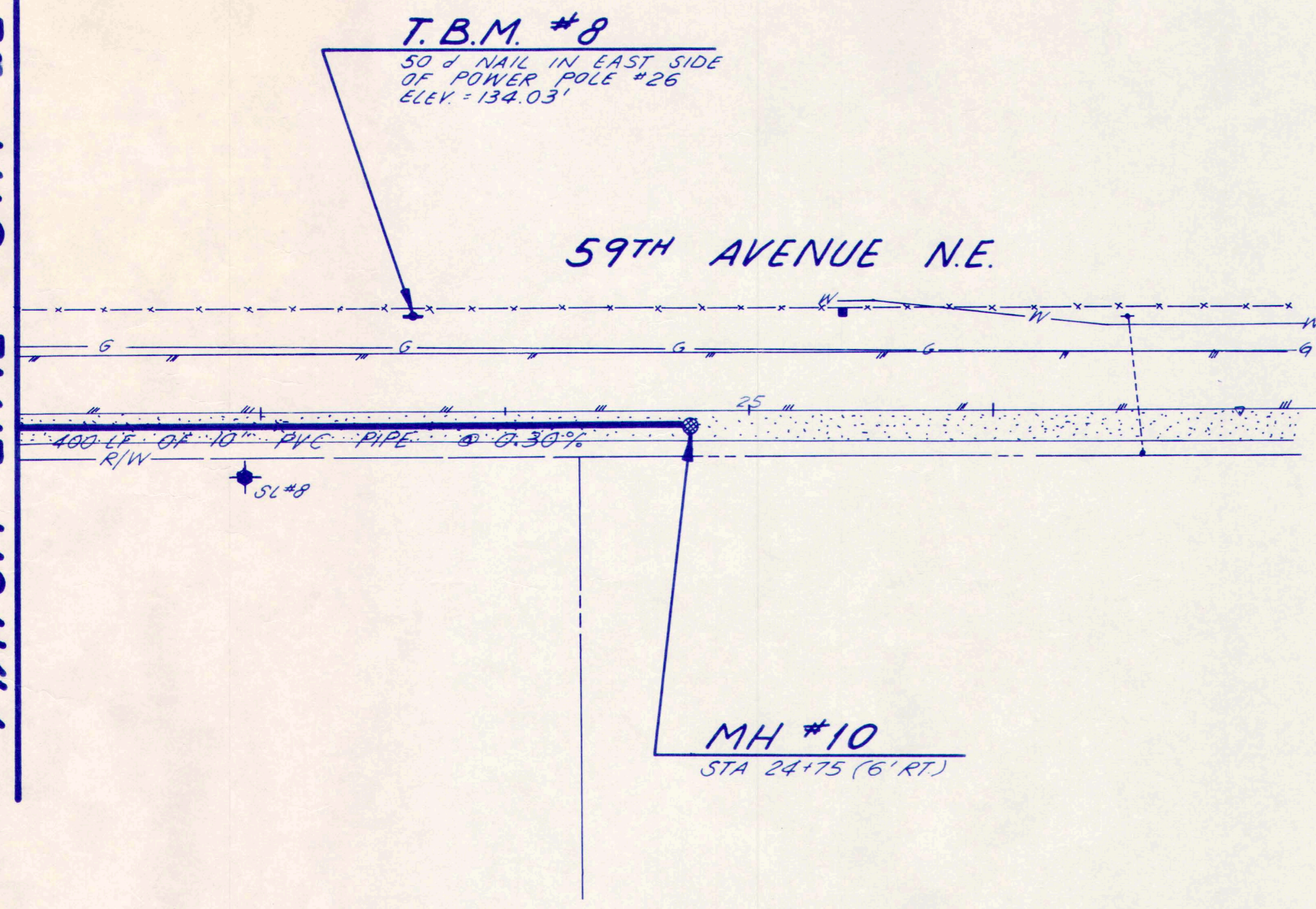
Cascade Surveying & Engineering, Inc.
435-5551
652-7572
P.O. BOX 326
ARLINGTON, WA

for COMMUNITY YOUTH CENTER
SEWER LINE EXTENSION
GRAVITY LINE

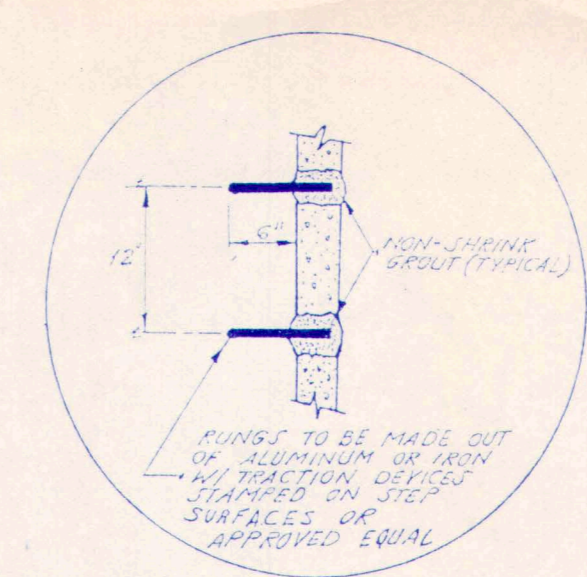
SEC. 22, T. 31 N., R. 5 E., W.M.



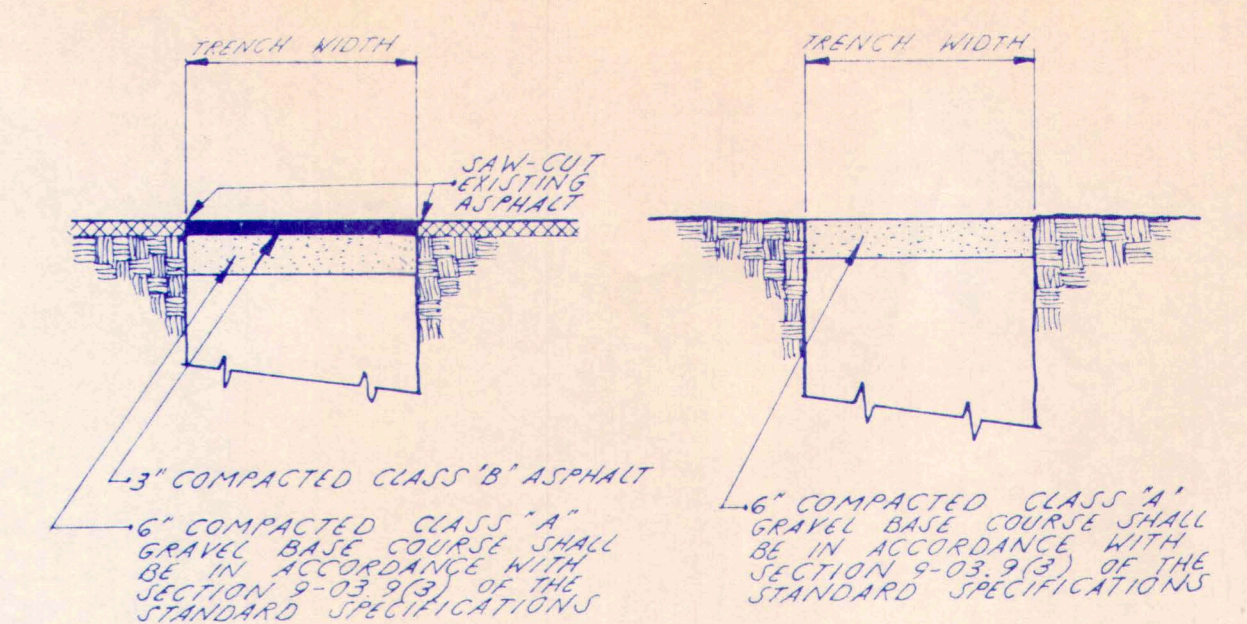
MATCH LINE - STA 22+00



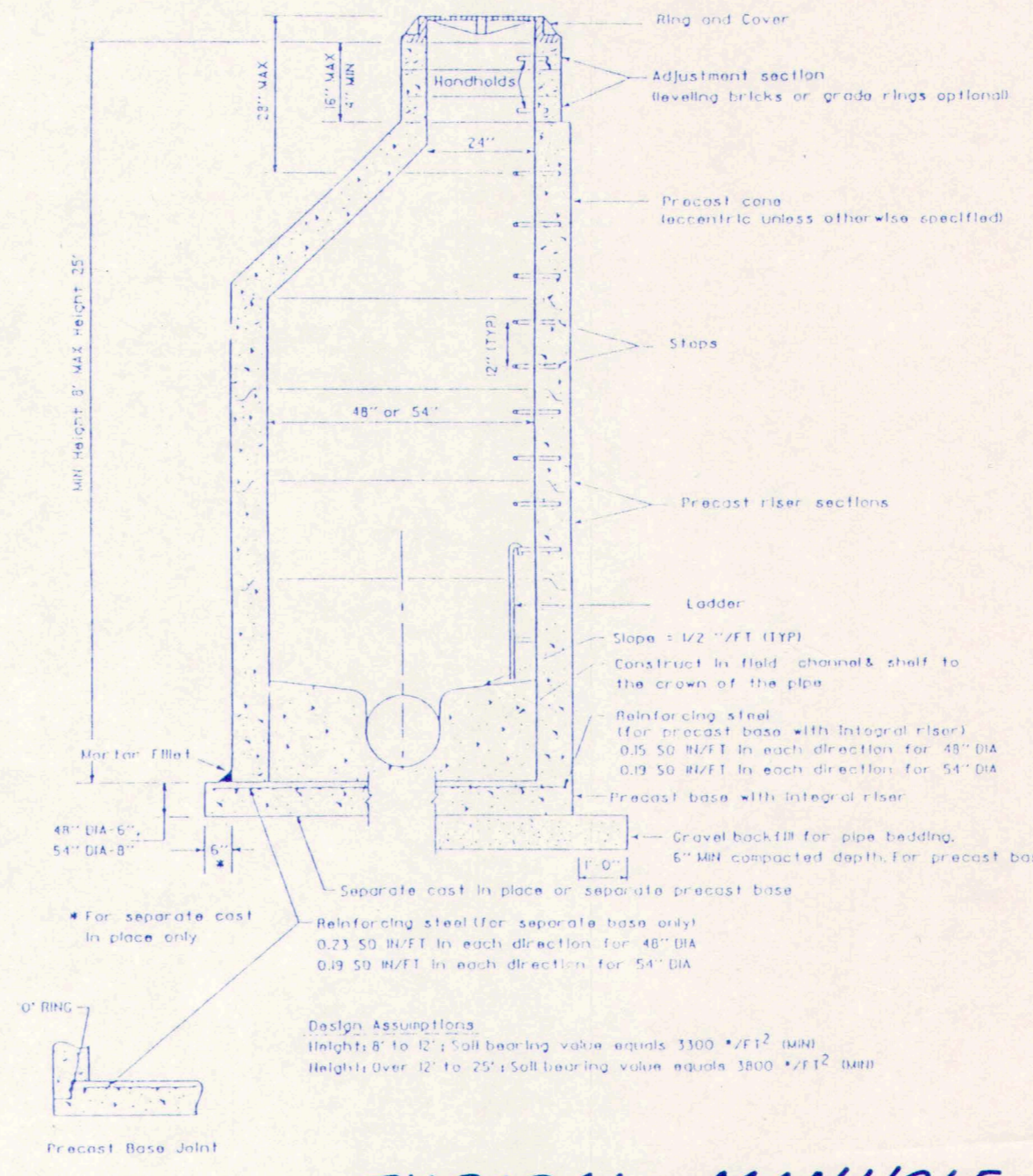
NOTE:
IF FLEXIBLE PIPE ADAPTORS ARE USED THEY MUST BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.



NOTE:
THIS DETAIL IS FOR FIELD INSTALLED RINGS ONLY.



TRENCH SURFACING SECTIONS
N.T.S.



MANHOLES TO BE CONSTRUCTED IN ACCORDANCE WITH AASHTO M 19 (ASTM C 478) UNLESS OTHERWISE SHOWN ON PLANS OR NOTED IN THE STANDARD SPECIFICATIONS.

Handholds in adjustment section shall have 3" minimum clearance. Steps in manhole shall have 6" minimum clearance. See Standard Plan Miscellaneous Manhole Details.

All reinforced cast in place concrete shall be Class A. Non-reinforced concrete in channel and shaft shall be Class C. All masonry shall be Class XX.

Precast boxes shall be furnished with cutouts or knockouts. Knockouts shall have a wall thickness of 2" minimum.

Knockout or cutout hole size is equal to pipe outer diameter plus manhole wall thickness. Maximum hole size is 36" for 48" manhole, 24" for 54" manhole. Minimum distance between holes is 3".

Manhole rings and covers shall be in accordance with Standard Specifications and meet the strength requirements of Federal Specification BIF-142B. Mating surfaces shall be finished to assure non-rocking fit with any cover position.

All base reinforcing steel shall have a minimum yield strength of 60,000 PSI and be placed in the upper half of the base with 1" minimum clearance.

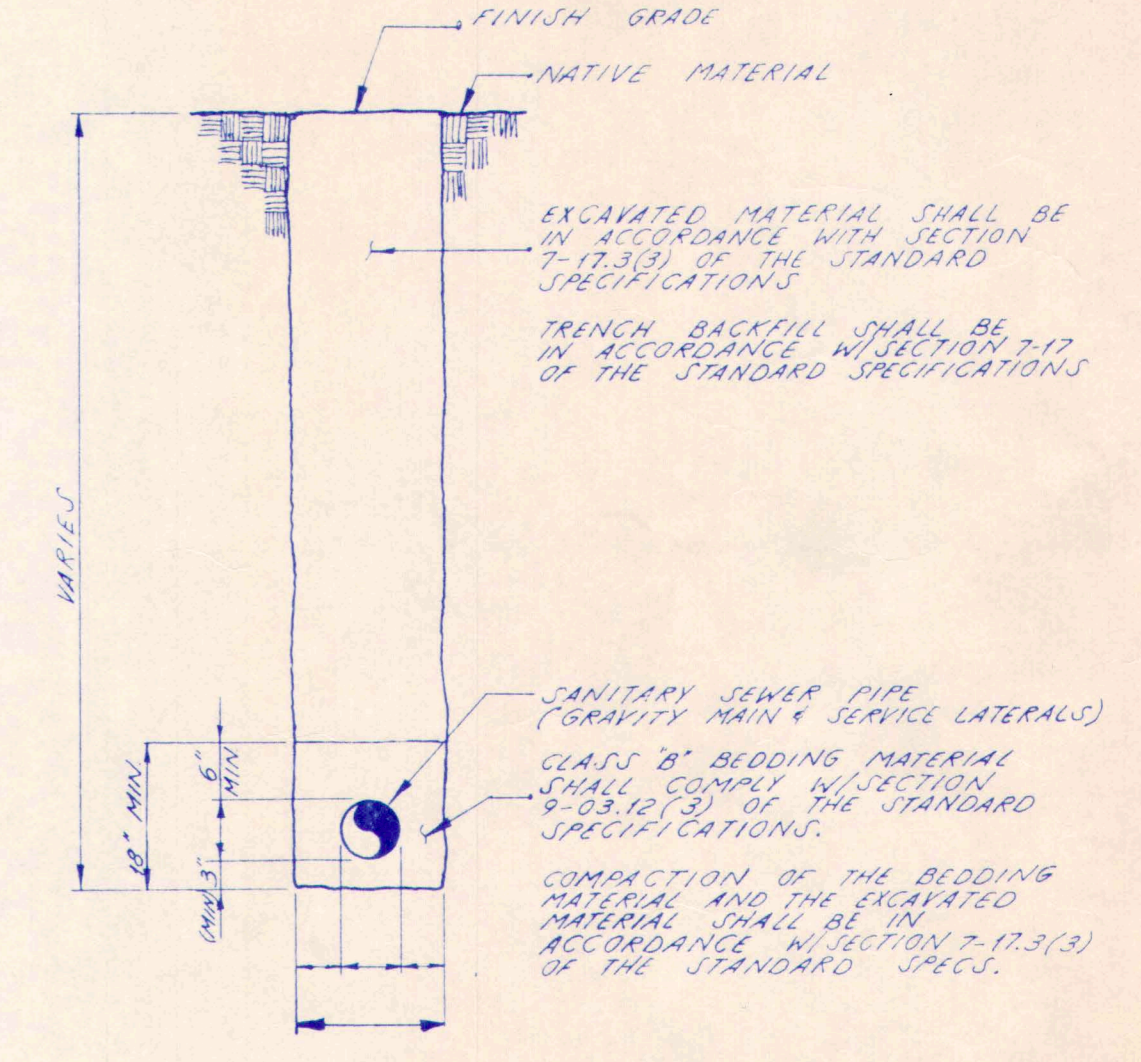
For details showing Grade Ring, Ladder, Steps, Handholds and Top Sides, see Standard Plan Miscellaneous Manhole Details.

See the Standard Specifications for Job Requirements.

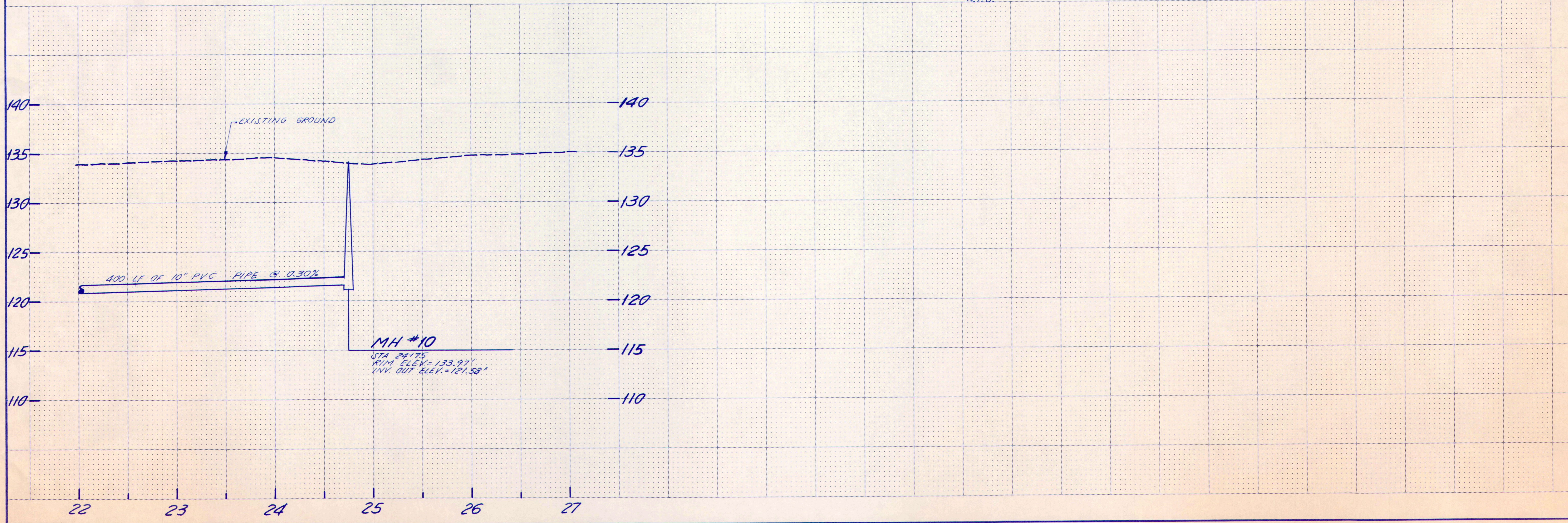
* MANHOLE LADDER RUNGS MADE OF POLYPROPYLENE COVERED STEEL SHALL BE LANE MODEL P-1A938 OR APPROVED EQUAL.

* GROUT INSIDE AND OUT OF ALL MANHOLE SECTIONS AND RISERS, USE NON-SHRINK TYPE GROUT.

TYPICAL MANHOLE DETAIL
N.T.S.



TYPICAL TRENCH SECTION
N.T.S.



DESIGNED DATE 10/23/14
DRAWN T. ADKINS
CHECKED R. DEVINE DATE 1/15/15
SCALE - HORIZONTAL: 1"=50'
SCALE - VERTICAL: 1"=5'
JOB NUMBER #9334
FIELD BOOK AKL 37
COUNTY OYOHOONING

by Cascade Surveying & Engineering, Inc.
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for COMMUNITY YOUTH CENTER
SEWER LINE EXTENSION
GRAVITY LINE