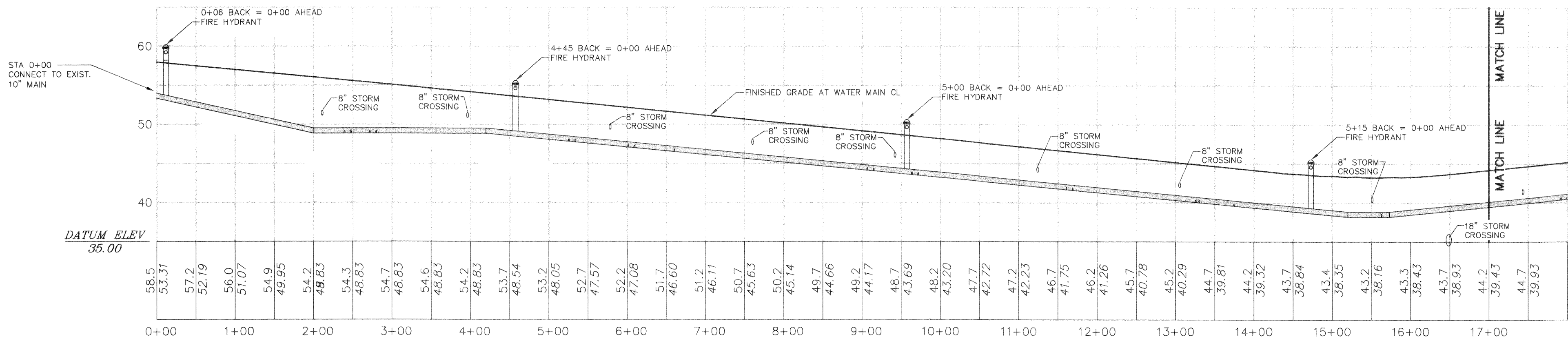
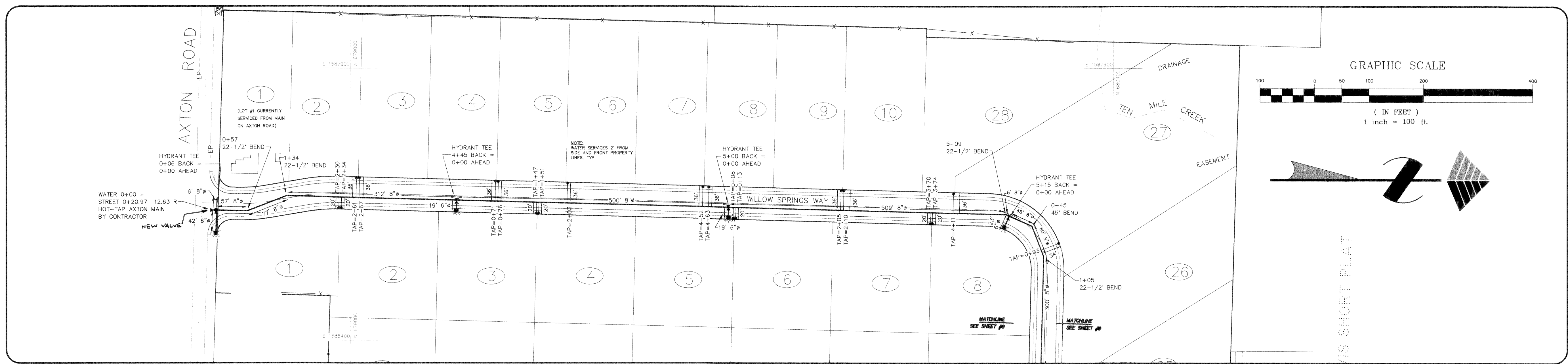
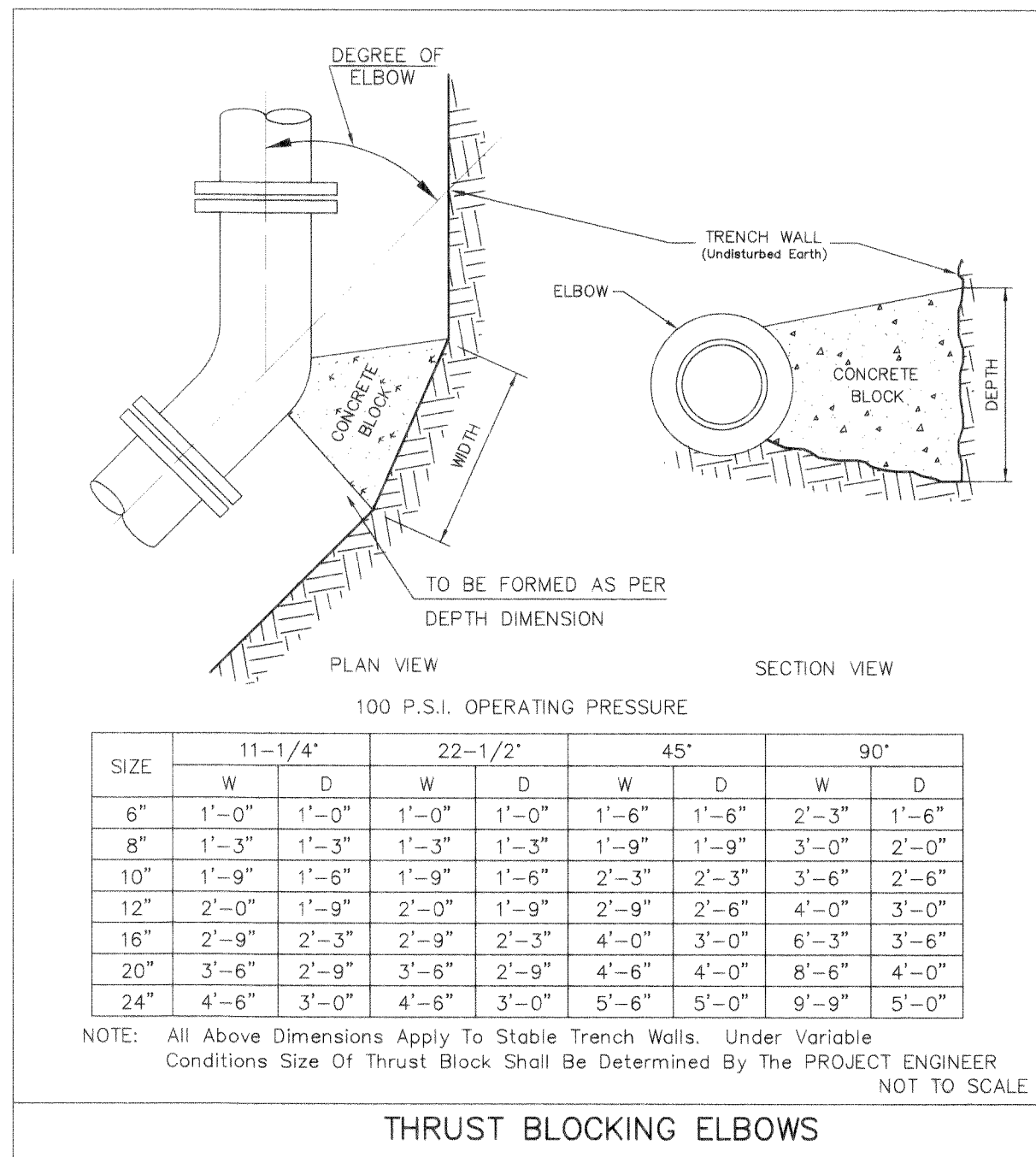
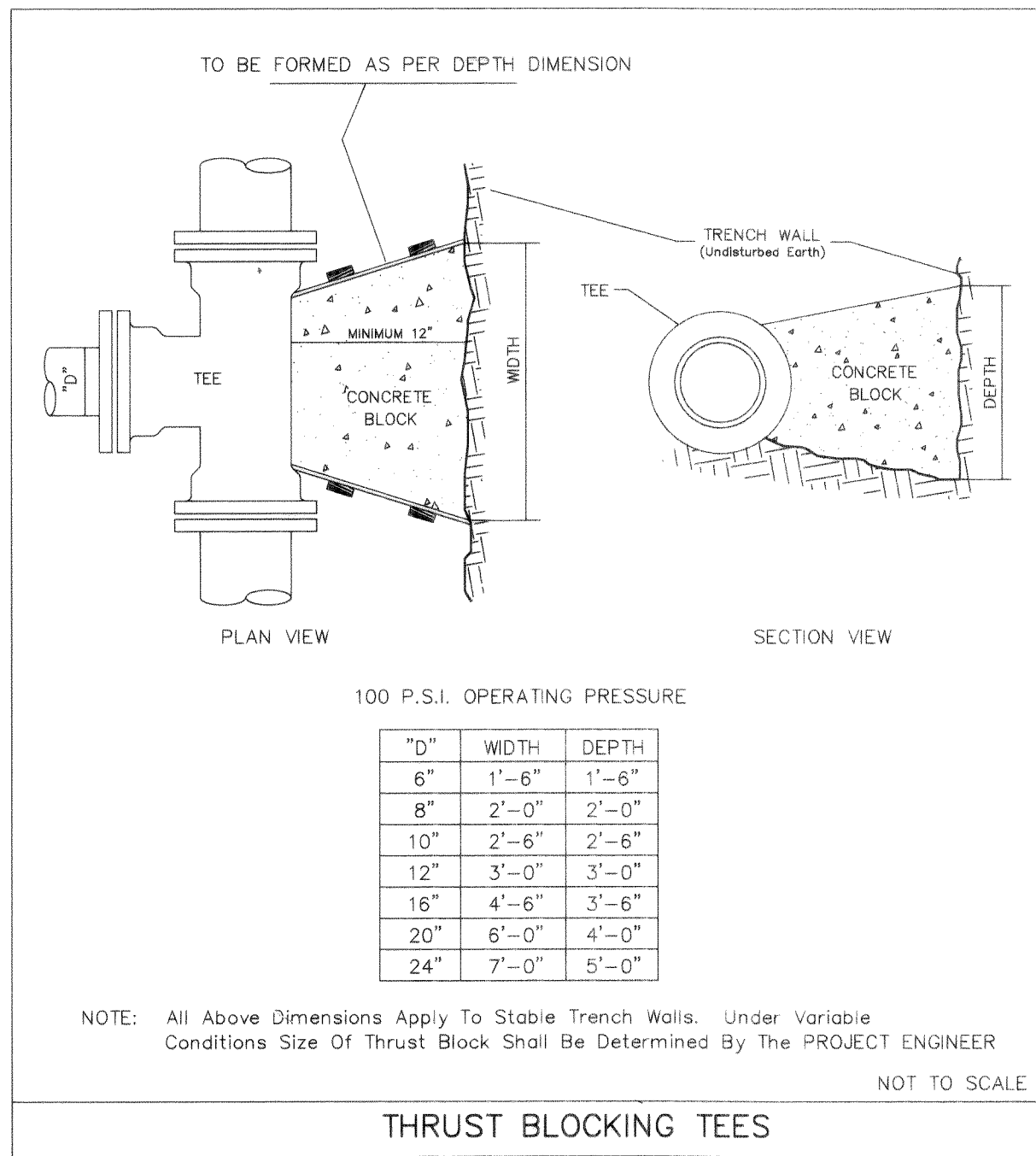


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WATER MAIN PROFILE STA 0+00 - 17+00

SCALE: 1" = 100' HORIZONTAL
1" = 10' VERTICAL



LEGEND

- WATER MAIN
- 3/4" COPPER WATER SERVICE
- RESILIENT SEAT GATE VALVE
- FIRE HYDRANT
- WATER SERVICE IN PROFILE
- PROFILE ELEV. @ FINISHED GRADE
- PROFILE WATER MAIN IE

NOTES

- EXISTING FIELD DATA PER LARRY STEELE & ASSOCIATES SURVEYS PERFORMED 1993, 1995, AND 1997.
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- GATE VALVES SHALL BE INSTALLED AT THE BEGINNING AND END OF THE PROPOSED 8" WATERMAIN AND SPACED ALONG THE WATERMAIN AT APPROXIMATELY 800 FOOT INTERVALS.
- WATER SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH CHAPTER 7 OF THE CITY OF FERNDAL STANDARDS. CURB STOPS AND/OR METER BOXES WILL BE INSTALLED AS REQUIRED BY CITY OF FERNDAL PUBLIC WORKS.
- FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH DETAIL W-1 OF THE CITY OF FERNDAL STANDARDS.
- TRENCHES SHALL BE BACKFILLED IN ACCORDANCE WITH DETAIL W-11 OF THE CITY OF FERNDAL STANDARDS.
- COPPER WATER SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH DETAIL W-5 OF THE CITY OF FERNDAL STANDARDS.

APPROVAL STAMPS

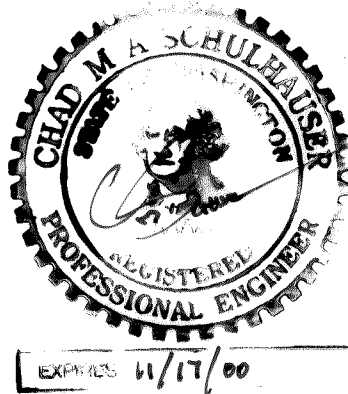
APPROVED BY: *[Signature]*
DATE: 4/7/00

DATUM

MEAN SEA LEVEL PER U.S.G.S. 7-1/2' QUADRANGLE MAP ENTITLED "FERNDAL, WASHINGTON, 1952". SPOT ELEVATION OF 86' MEAN SEA LEVEL AT THE INTERSECTION OF AXTON AND NORTHWEST ROADS.

BASIS OF BEARINGS

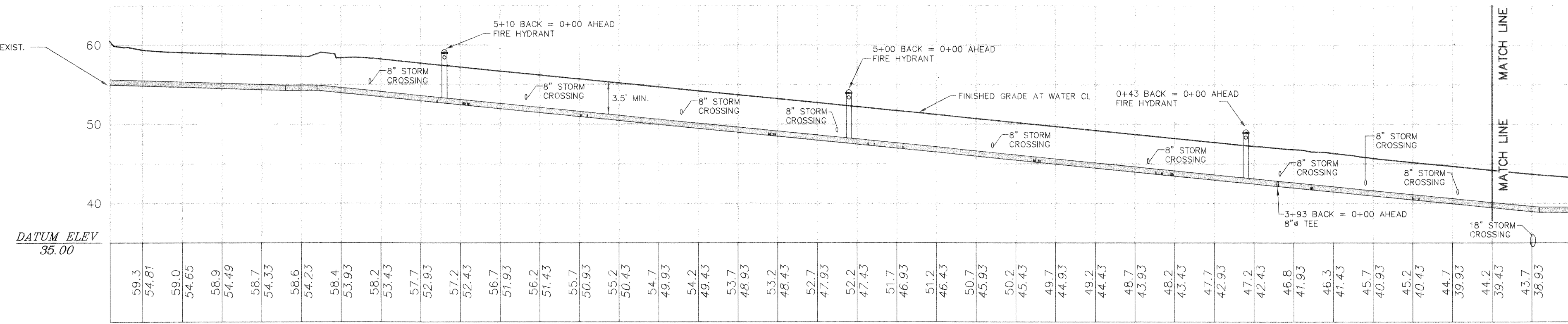
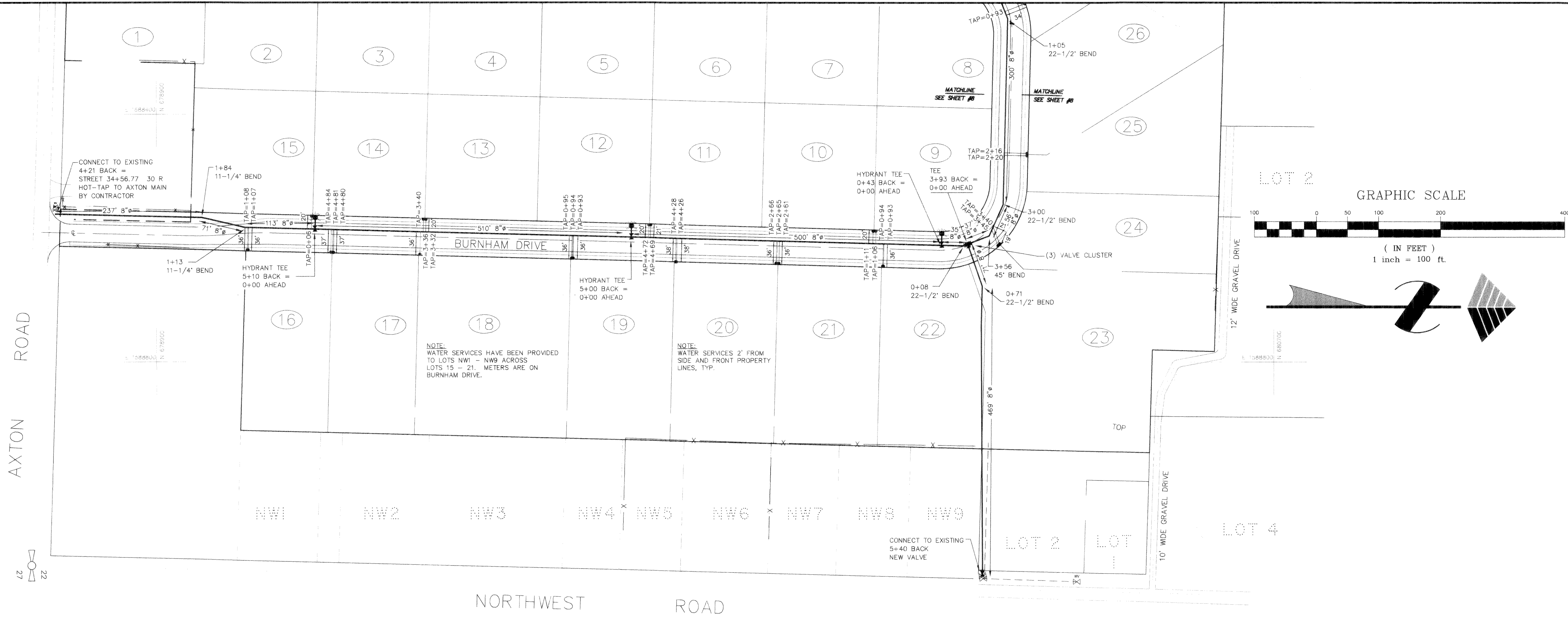
SOUTH LINE SECTION 22, T39N, R2E, W.M., AS SHOWN ON THE "POTTE SHORT PLAT" (AF# 901106165), RECORDS OF WHATCOM COUNTY, WASHINGTON, SAID BEARING BEING N88°17'16"W.



NW COUNTRY ACRES/WHISPERING MEADOWS		SCALE: 1" = 100'
AS-BUILT		DATE: 08/31/99
WATER MAIN PLAN & PROFILE		DRAWN BY: CMAS
STA 0+00 - 17+00		REVISED: 09/29/99
FOR		SHEET: 1 OF 2
POTTE & SONS CONSTRUCTION, INC.		JOB NUMBER: 97074
PTN. SW1/4, SEC.22, T39N, R2E, W.M.		
WHATCOM COUNTY, WASHINGTON		

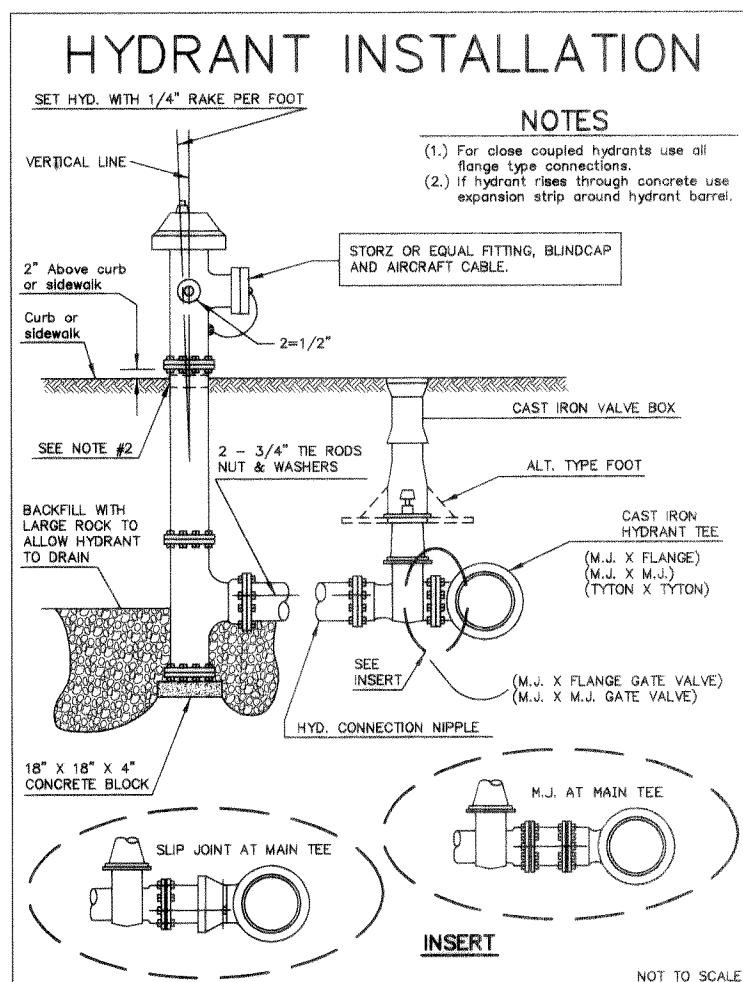
AS-BUILT
MILLENNIUM
Engineering Group, Inc.
PO BOX 137, LYNDEN WA 98264 (360) 354-8141

00133.001 2.16.00 KR



WATER MAIN PROFILE STA 17+00 - 34+41.01

SCALE: 1" = 100' HORIZONTAL
1" = 10' VERTICAL



HYDRANT SPECIFICATIONS

- Fire hydrants shall be for common Ferndale water works service and shall be in compliance with the latest edition of AWWA C502 "Standard for Dry-Barrel Fire Hydrants."
- Each hydrant shall be 5-1/4" main valve opening with "O" ring seals and traffic-type break-away design.
- Hydrant operating nut shall open counter-clockwise with the direction of open clearly marked at top of hydrant. Operating and cap nuts shall be pentagon in shape and the dimension shall be 1-1/4 inch point to flat (National Standard).
- Hydrant shall be 6" inlet mechanical joint (with accessories) or as specified. Hydrant shall have two hose and one pumper nozzle. Hydrants to be acceptable for a 3-1/2 foot depth of bury. Hydrant to have rust-proof automatic drain.
- Hydrant to be capable of rotating through 360 degrees.
- Thread Specifications: Hose nozzles to be 2-1/2" inside diameter with National Standard threads. Pumper nozzle to be 5" Storz fitting with threads as follows: 60 degree-6 threads per inch, pitch diameter-4.708", outside diameter-4.917".
- Hydrant to be painted white with blue top and red ports. Do not paint Storz adaptor. Preservative Paint: White - 10-550, Blue - 43-113, Oriental Red - 10-14.
- In zones of the distribution system where the static pressure exceeds 150 psi, only hydrants of the "Corey Type" design will be accepted.
- Installation of any hydrant, other than a type currently in service on the city system, will be allowed only if all necessary repair tools and a training session for maintenance and repair is provided at no cost to the city.
- Approved equal: Any hydrant that deviates from the specifications must be approved by the D.P.W. and/or the Water Superintendent a minimum of 30 days prior to its intended usage.

LEGEND

- WATER MAIN
- 3/4" COPPER WATER SERVICE
- RESILIENT SEAT GATE VALVE
- FIRE HYDRANT
- WATER SERVICE IN PROFILE
- 49.7 PROFILE ELEV. @ FINISHED GRADE
- 44.93 PROFILE WATER MAIN IE

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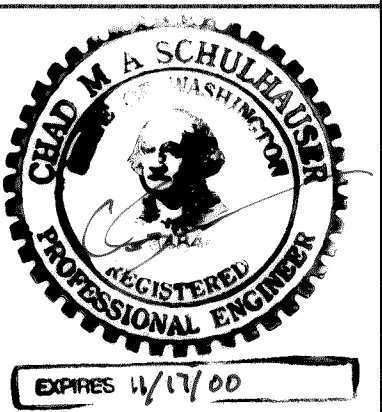
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NW COUNTRY ACRES/WHISPERING MEADOWS

AS-BUILT
WATER MAIN PLAN & PROFILE
STA 17+00 - 34+41.01

FOR
POTTE & SONS CONSTRUCTION, INC.

PTN. SW1/4, SEC.22, T39N, R2E, W.M.
WHATCOM COUNTY, WASHINGTON

SCALE: 1" = 100'
DATE: 08/31/99
DRAWN BY: CMAS
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SHEET: 2 OF 2
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AS-BUILT

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