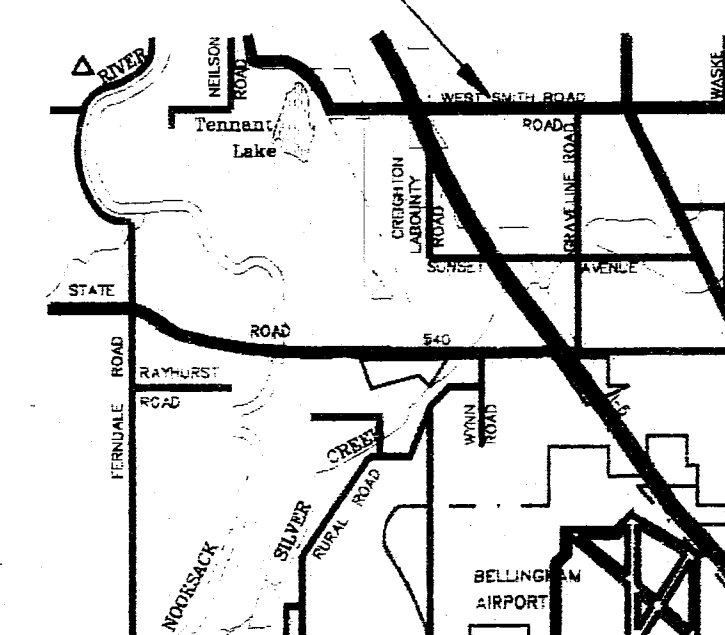


WHATCOM COUNTY P.U.D. SMITH ROAD WATER EXTENSION

CONTRACT DRAWINGS FOR WATERLINE EXTENSION FERNDALE, WASHINGTON SECTIONS 33 & 34, T 39 N, R 2 E

CONSULTING ENGINEERS: WEDEN ENGINEERING, INC. 119 GRAND AVE., STE. D, 671-8200
OWNER: WHATCOM COUNTY P.U.D. NO. 1
CONTACT PERSON: TOM ANDERSON

PROJECT SITE



SECTIONS 33 & 34
TOWNSHIP 39 N, RANGE 2 E

VICINITY MAP N.T.S.

GENERAL NOTES

- THE LOCATION OF EXISTING UTILITIES SHOWN IS APPROXIMATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THESE LOCATIONS PRIOR TO CONSTRUCTION.
- ALL WORK SHALL CONFORM TO THE STANDARD PLANS AND SPECIFICATIONS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) AND CITY OF FERNDALE STANDARDS UNLESS INDICATED OTHERWISE BY THE CONTRACT DOCUMENTS. IN CASE OF A CONFLICT BETWEEN THE REGULATORY STANDARDS OR SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT WILL PREVAIL.
- THE CONTRACTOR SHALL ATTEND PRE-CONSTRUCTION CONFERENCES WITH THE WHATCOM COUNTY DIVISION OF ENGINEERING, CITY OF FERNDALE, AND WHATCOM COUNTY P.U.D. NO. 1 PRIOR TO BEGINNING CONSTRUCTION.
- UNDERGROUND UTILITIES ARE KNOWN TO EXIST IN THE AREA OF CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE UTILITY OWNERS FOR LOCATIONS AND TO NOTIFY THE ENGINEER PROMPTLY OF ANY CONFLICT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF ADJACENT UTILITIES WHICH INCLUDE, BUT ARE NOT LIMITED TO, WATER, SEWER, STORM SEWER, POWER, TELEPHONE, CABLE TV, IRRIGATION, AND STREET LIGHTING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EROSION CONTROL MEASURES (SILT FENCE, STRAW BALE DAMS, SILT PONDS, ETC.) AS DIRECTED BY THE ENGINEER THROUGHOUT THE DURATION OF THE PROJECT.
- ALL WORK WITHIN COUNTY RIGHT-OF-WAYS MUST BE INSPECTED BY A REPRESENTATIVE OF THE COUNTY ENGINEERING DIVISION. THE CONTRACTOR SHALL CALL AT LEAST 24 HOURS IN ADVANCE FOR COUNCIL INSPECTION AS FOLLOWS:
 - PLACEMENT OF TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES.
 - PLACEMENT OF WATERLINE AND BACKFILLING OF WATERLINE WITH ROAD RIGHT-OF-WAY.
 - ROADWAY/SHOULDER RESTORATION AT:
 - COMPLETION OF SUBGRADE.
 - COMPLETION OF BALLAST.
 - COMPLETION OF CRUSHED SURFACING.
 - POURING OF CURB/GUTTER AND SIDEWALK.
 - ASPHALT PAVING IN PROGRESS.
 - OVERALL INSPECTION FOR FINISHED SHOULDERS, DITCHES, PERMANENT SEEDING AND MONUMENT PLACEMENT.
- STORM PIPE SHALL BE OF AN APPROVED MATERIAL AND OF THE SIZE NOTED ON THE PLANS.
- CONTRACTOR SHALL RIP/RAP ALL CULVERT INLETS AND OUTLETS.
- CONTRACTOR SHALL RESTORE ALL PRIVATE AND PUBLIC PROPERTY DISRUPTED BY THE PROJECT IMMEDIATELY AFTER CONSTRUCTION.

DRAWING INDEX

SHT. NO.	TITLE
1.	COVER SHEET- VICINITY MAP, LEGEND, NOTES
2.	WATERLINE - STA. 0+00 TO STA. 9+00 WEST SMITH ROAD
3.	WATERLINE - STA. 9+00 TO STA. 15+00 WEST SMITH ROAD
4.	WATERLINE - STA. 15+00 TO STA. 25+00 WEST SMITH ROAD
5.	WATERLINE - STA. 25+00 TO STA. 40+00 WEST SMITH ROAD
6.	WATERLINE - STA. 40+00 TO STA. 55+00 WEST SMITH ROAD
7.	WATERLINE - STA. 55+00 TO STA. 70+00 WEST SMITH ROAD
8.	WATERLINE - STA. 70+00 TO STA. 76+00 WEST SMITH ROAD
9.	WATERLINE - STA. 76+00 TO END WEST SMITH ROAD
9A.	WATERLINE - STA. 0+00 TO 3+66C WHATCOM COUNTY LIBRARY
10.	WATERLINE - STA. 0+00 TO STA. 14+00 PACIFIC HIGHWAY
11.	WATERLINE - STA. 14+00 TO STA. 26+00 PACIFIC HIGHWAY
12.	WATERLINE - STA. 0+00 TO STA. 7+35 ACCESS ROAD
13.	WATERLINE - STA. 0+00 TO STA. 10+10 (END) NORTHWEST ROAD
14.	DETAILS

LEGEND

PLAN	PROFILE

RECORD DRAWING



WEDEN ENGINEERING, INC.
119 GRAND AVENUE, SUITE D,
BELLINGHAM, WA. 98225 671-8200

DESIGNED BY
C.O.L.
DRAWN BY
T.E.P.
CHECKED BY

WHATCOM COUNTY P.U.D.
SMITH ROAD WATER EXTENSION
TITLE, VICINITY AND LOCATION MAPS, LEGEND, NOTES, AND SHEET INDEX

DATE
FEB., 1992
SCALE
AS SHOWN
REC. NO.
91076
SHEET
1
OF
14

1076RD1A 12/10/92 14:04

SEC.33, T.39 N., R.2 E.

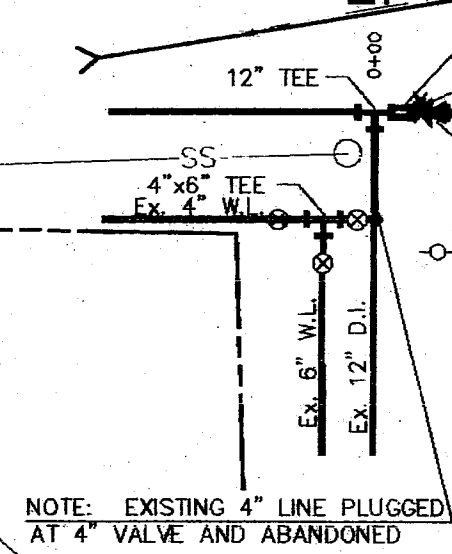
LEGEND

- POWER OR TELEPHONE POLE W/ ANCHOR
- CATCH BASIN
- FIRE HYDRANT ASSEMBLY
- LIGHT
- UTILITY VAULT
- PROPOSED WATER VALVE
- EXIST. WATER VALVE
- THRUST BLOCK
- CULVERT
- SIGN
- W EXIST. WATERLINE
- DITCH
- P UNDERGROUND POWER
- G UNDERGROUND GAS
- I TELEPHONE
- SD STORM DRAIN
- OP OVERHEAD POWER
- OT OVERHEAD TELEPHONE
- EDGE ASPHALT
- ROAD CENTERLINE
- FENCE
- SS SANITARY SEWER
- FM FORCE MAIN
- RIGHT OF WAY
- PROPERTY LINE
- GRID LINE
- PROPOSED WATERLINE

- NOTES:
1. X,Y PARCEL NUMBERS SHOWN ON THIS PLAN ARE FROM THE WHATCOM COUNTY ASSESSOR'S OFFICE. OWNERSHIPS FOR THESE PARCELS ARE ON RECORD WITH THE ABOVE MENTIONED OFFICE.
 2. THE COORDINATES SHOWN ON THIS PLAN ARE BASED ON AN ASSUMED COORDINATE BASE. SEE COORDINATES ASSIGNED TO SECTION CORNERS AND CENTERLINE MONUMENTATION.
 3. ELEVATION DATUM U.S.C. & G.S.
 4. THE LOCATION AND SIZE OF UNDERGROUND UTILITIES ARE APPROXIMATE. THE UNDERGROUND UTILITIES SHOWN ARE NOT INCLUSIVE OF ALL UTILITIES WHICH MAY BE ENCOUNTERED DURING CONSTRUCTION. THE CONTRACTOR SHALL CONTACT WASHINGTON UTILITIES COORDINATING COUNCIL 10 DAYS PRIOR TO CONSTRUCTION FOR INSPECTION BY THE ENGINEER.

CONNECTION NOTES:

1. THERE IS AN EXISTING 4" WATER MAIN ON THE SOUTH SIDE OF LABOUNTY ROAD. THIS 4" MAIN IS A PORTION OF A LOOP WATER SYSTEM SERVING LABOUNTY DRIVE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN SERVICE TO ALL CONNECTIONS SERVED BY THIS MAIN. THE CONTRACTOR SHALL SUPPLY A PLAN TO THE ENGINEER FOR APPROVAL AS TO THE METHOD OF CONTINUATION OF SERVICE.
2. THE CONTRACTOR SHALL MAINTAIN A POSITIVE SEPARATION BETWEEN THE EXISTING AND PROPOSED MAIN UNTIL PRESSURE & BACTERIA TESTING HAVE BEEN PASSED.
3. THE CONTRACTOR SHALL POT-HOLE THE CONNECTION POINT. IN THE EVENT THAT THE EXISTING SYSTEM DOES NOT MATCH THAT SHOWN, THE CONTRACTOR SHALL CONTACT THE ENGINEER AND COMPLETE A CHANGE ORDER BASED ON UNIT PRICES BEFORE PROCEEDING WITH CONNECTION.
4. THE CONTRACTOR SHALL CONTACT THE ENGINEER AND THE CITY OF FERNDALE 48 HOURS PRIOR TO CONNECTION.



INSERT
NTS

4
13
PRESSURE TEST
ASSEMBLY

WEST SMITH ROAD
BEGIN PROJECT
STA 0+00

CREIGHTON ROAD

LABOUNTY DRIVE

FUTURE HYDRANT
LOCATION 2+01
16"x8" TEE
8" GATE VALVE
8" CAP
W/ MARKER (TYP)

EXISTING 4" WATER
MAIN - SEE CONNECTION
NOTE #1 ABOVE

FUTURE HYDRANT
LOCATION 5+00
16"x8" TEE
8" GATE VALVE
8" CAP

NOTE:
ALL VALVES EXCLUSIVE OF
HYDRANT VALVES SHALL BE
MARKED WITH A CONC. VALVE
MARKER LABELLED "V".

STA 6+00
16"x8" TEE
8" GATE VALVE
8" CAP
N 4735.03
E 11935.79

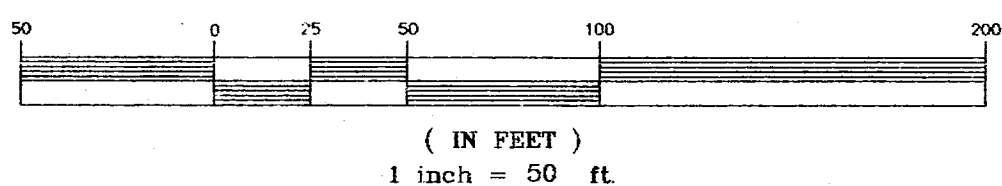
Q PIPE
Δ = 42'30"36"
R = 399.85'
L = 296.67'

FUTURE HYDRANT
LOCATION 8+02
16"x8" TEE
8" GATE VALVE
8" CAP
N 4625.82
E 12207.62

MATCH LINE STA 9+00
SEE SHEET 3
T.O.P. 36.5

NOTE: UTILITIES IN AREA
CALL BEFORE YOU DIG!

GRAPHIC SCALE



RECORD DRAWING

BEGIN PROJECT
STA 0+00

STA 0+00
12" x 16" INCREASER
12" B.F. VALVE

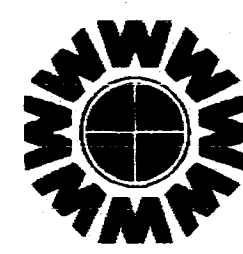
STA 2+01
16"x8" TEE

STA 5+00
16"x8" TEE

STA 6+00
16" B.F. VALVE
T.O.P. = 42.3

MATCH LINE STA 9+00
SEE SHEET 3 T.O.P. 36.5

NO.	REVISIONS	BY	DATE
1	REVISED CONNECTION LOCATION	P-9-92 J.W	



WEDEN ENGINEERING, INC.
119 GRAND AVENUE, SUITE D,
BELLINGHAM, WA. 98225 671-8200

ONE INCH AT FULL SCALE
IF NOT ONE INCH
SCALE ACCORDINGLY.

DESIGNED BY
DRAWN BY
CHECKED BY

WHATCOM COUNTY P.U.D.
SMITH ROAD WATER EXTENSION
STA. 0+00 TO STA. 9+00

DATE
1/1992
SCALE
V-1"=5'
H-1"=50'
REC. NO.
91076
1076PP2A

SHEET
2
OF
14

1076RD2A 02/03/93 12:04

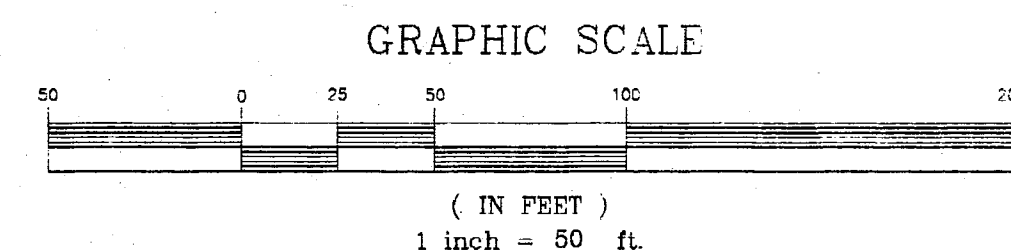
SEC.33, T.39 N., R.2 E.

MATCH LINE STA 9+00
SEE SHEET 2 T.O.P. 36.5

- NOTES:
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LEGEND

- POWER OR TELEPHONE POLE W/ ANCHOR
- CATCH BASIN
- FIRE HYDRANT ASSEMBLY
- LIGHT
- UTILITY VAULT
- PROPOSED WATER VALVE
- EXIST. WATER VALVE
- THRUST BLOCK
- CULVERT
- SIGN
- EXIST. WATERLINE
- DITCH
- UNDERGROUND POWER
- UNDERGROUND GAS
- TELEPHONE
- STORM DRAIN
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- EDGE ASPHALT
- ROAD CENTERLINE
- FENCE
- SANITARY SEWER
- FORCE MAIN
- RIGHT OF WAY
- PROPERTY LINE
- GRID LINE
- PROPOSED WATERLINE



FUTURE HYDRANT
LOCATION 11+00
16"x8" TEE
8" GATE VALVE
8" CAP

EXISTING 4" MAIN
SEE CONNECTION NOTE
#1 SHEET 2 OF 13

STA 12+00
16" B.F. VALVE W/ MARKER (TYP)
N 4379.0
E 12376.7

FUTURE HYDRANT
LOCATION 14+00
16"x8" TEE
8" GATE VALVE
8" CAP

NOTE: EX. 2" WATER PROVIDES
SERVICE TO SEVERAL HOMES AND
BUSINESSES ON SHIELDS ROAD.
MAINTAIN SERVICE UNTIL NEW
CONNECTIONS HAVE BEEN SUPPLIED.

NOTE: 4" (2") WATER ABANDONED
ON 12-10-92. USERS ON SHIELDS
ROAD ARE NOW SERVICED BY NEW
WATER LINE.

NOTE: UTILITIES IN AREA
CALL BEFORE YOU DIG!

MATCH LINE STA 9+00
SEE SHEET 2 T.O.P. 36.5

9+00

10+00

11+00

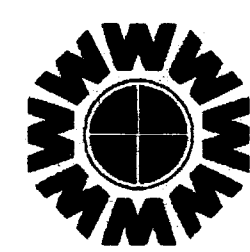
12+00

13+00

14+00

15+00

MATCH LINE STA 15+00
SEE SHEET 4 T.O.P. 54.0



WEDEN ENGINEERING, INC.
119 GRAND AVENUE, SUITE D,
BELLINGHAM, WA. 98225 671-8200

ONE INCH AT FULL SCALE
IF NOT ONE INCH
SCALE ACCORDINGLY

DESIGNED BY
DRAWN BY
CHECKED BY

WHATCOM COUNTY P.U.D.
SMITH ROAD WATER EXTENSION
STA. 9+00 TO STA. 15+00

1076RD3A 12/10/92 15:24

DATE
1/1992
SCALE
V-1"=5'
H-1"=50'
REC. NO.
91076
1276FP3A

SHEET
3
OF
14

SEC.33, T.39 N., R.2 E.

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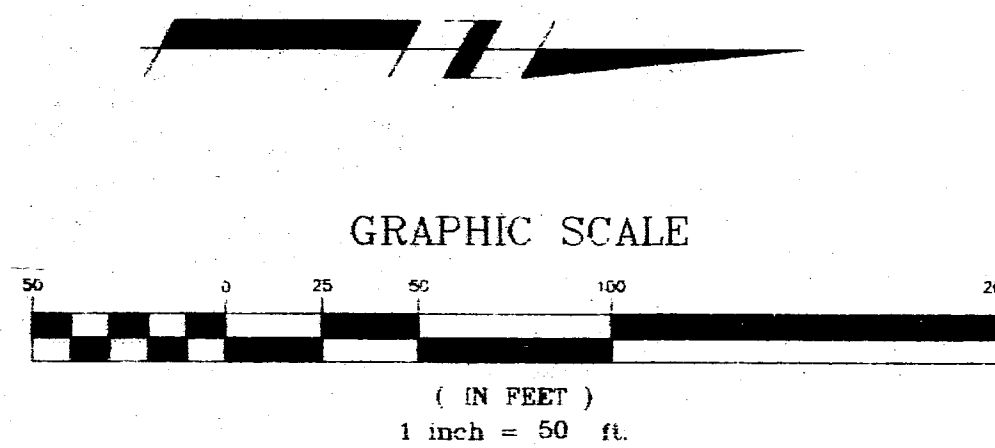
LEGEND

- POWER OR TELEPHONE POLE W/ ANCHOR
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- W - EXIST. WATERLINE
- D - DITCH
- P - UNDERGROUND POWER
- G - UNDERGROUND GAS
- T - TELEPHONE
- SD - STORM DRAIN
- OP - OVERHEAD POWER
- OT - OVERHEAD TELEPHONE
- EA - EDGE ASPHALT
- RL - ROAD CENTERLINE
- F - FENCE
- SS - SANITARY SEWER
- FM - FORCE MAIN
- RIGHT OF WAY
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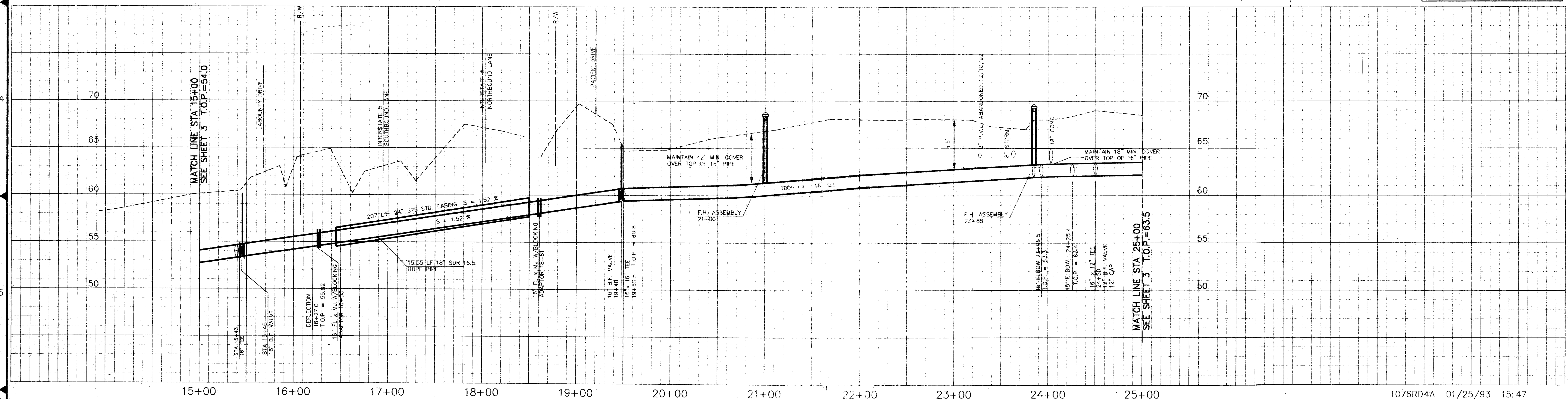
HOPE NOTES:

TESTING - THE HOPE CARRIER PIPE SHALL BE TESTED INDEPENDENTLY FROM THE REMAINDER OF THE LINE (CONTACT HOPE SUPPLIER FOR TESTING METHOD, TIMING, MAKEUP WATER QUANTITIES.)

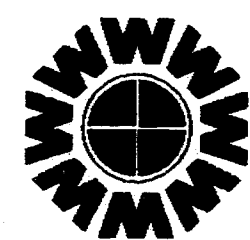
NOTE: UTILITIES IN AREA CALL BEFORE YOU DIG!



RECORD DRAWING



ADD 100 LF BORE ADDENDUM NO. 1	COL COL	7/15/92 9/4/92
NO.	REVISIONS	BY DATE



WEDEN ENGINEERING, INC.
119 GRAND AVENUE, SUITE D,
BELLINGHAM, WA. 98225 671-8200

ONE INCH AT FULL SCALE

IF NOT ONE INCH
SCALE ACCORDINGLY

DESIGNED BY
DRAWN BY
CHECKED BY

WHATCOM COUNTY P.U.D.
SMITH ROAD WATER EXTENSION
STA. 15+00 TO STA. 25+00

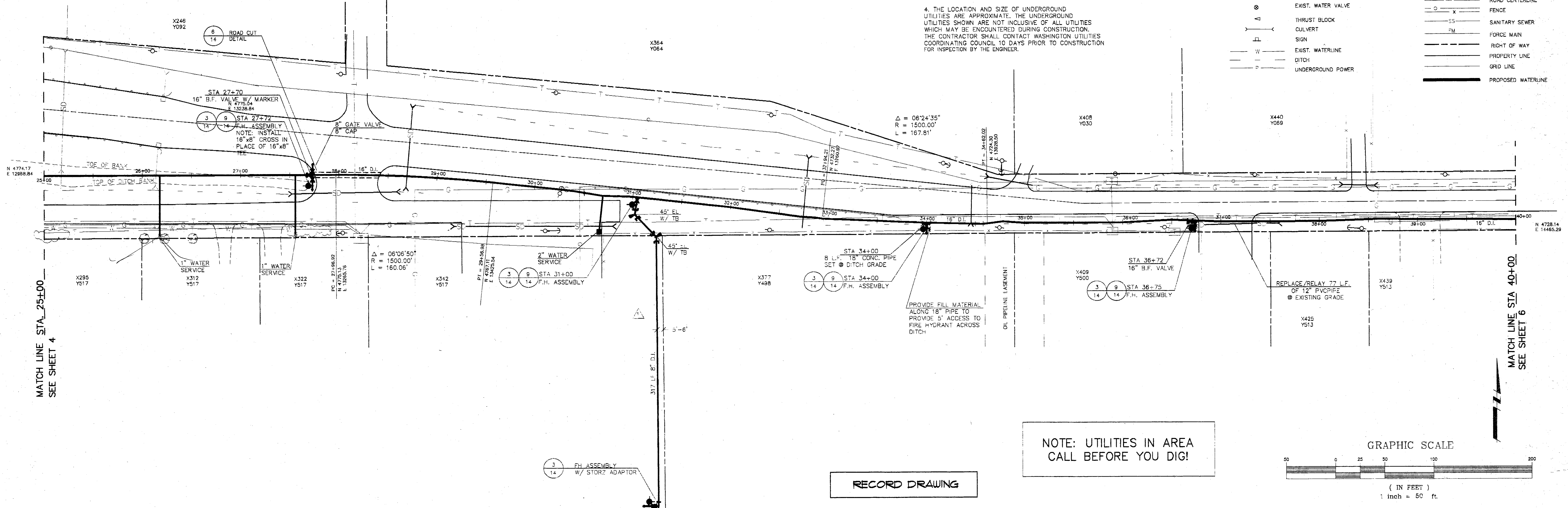
DATE
01/08/92
SCALE
Horz. 1" = 50'
Vert. 1" = 5'
REC. NO.
91076
1076PP4A

SHEET
4
OF
14

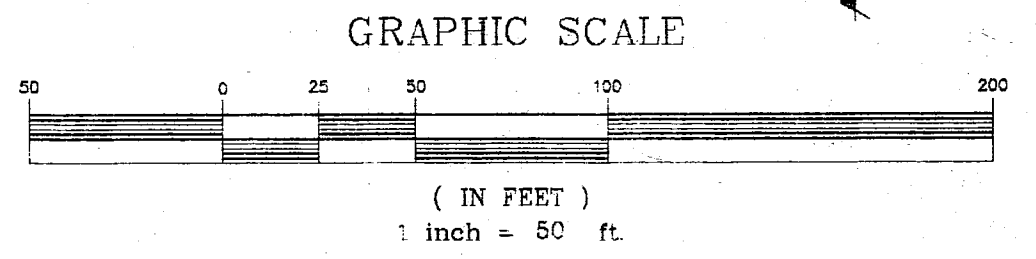
SEC.28, T.39 N., R.2 E.
SEC.33, T.39 N., R.2 E.

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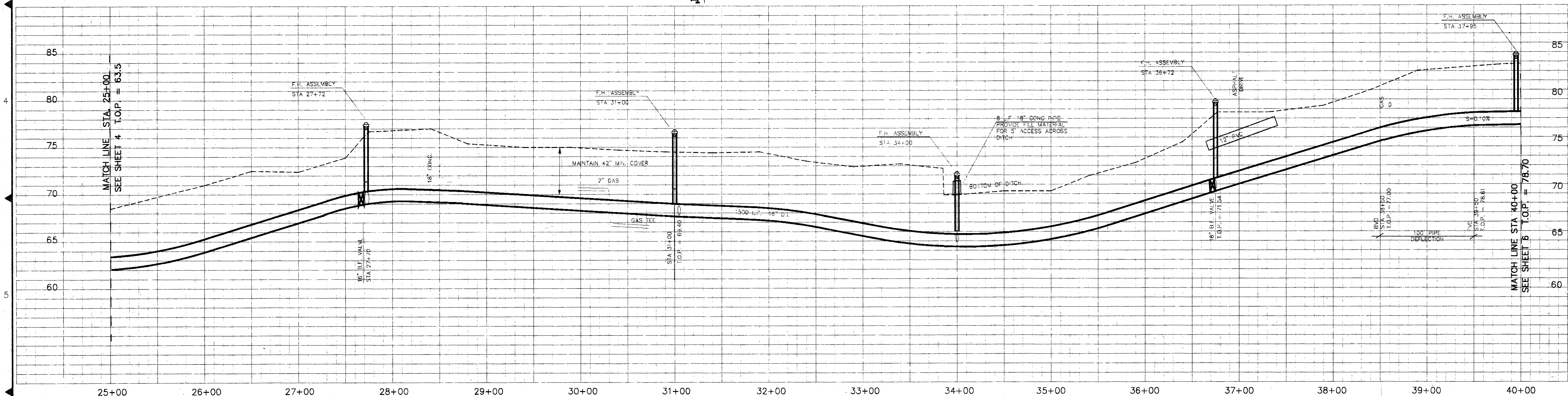
- LEGEND
- POWER OR TELEPHONE POLE W/ ANCHOR
 - CATCH BASIN
 - FIRE HYDRANT ASSEMBLY
 - LIGHT
 - UTILITY VAULT
 - PROPOSED WATER VALVE
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 - FORCE MAIN
 - RIGHT OF WAY
 - PROPERTY LINE
 - GRID LINE
 - PROPOSED WATERLINE



NOTE: UTILITIES IN AREA
CALL BEFORE YOU DIG!

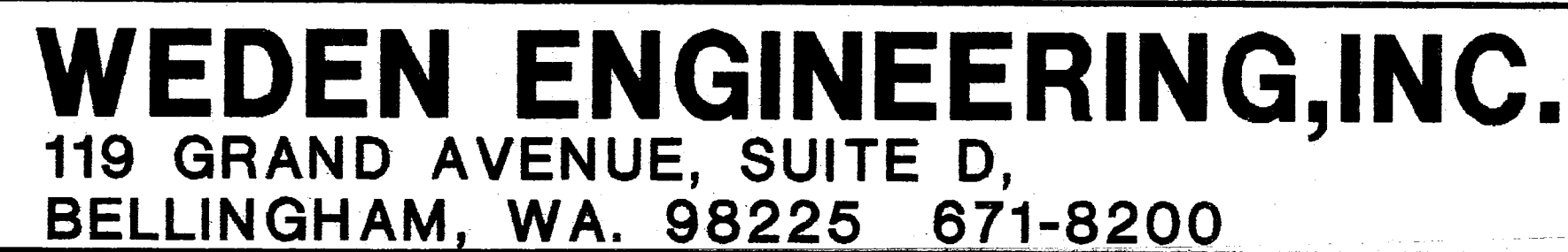
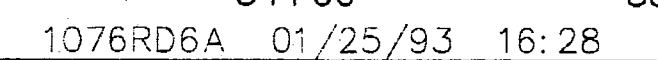
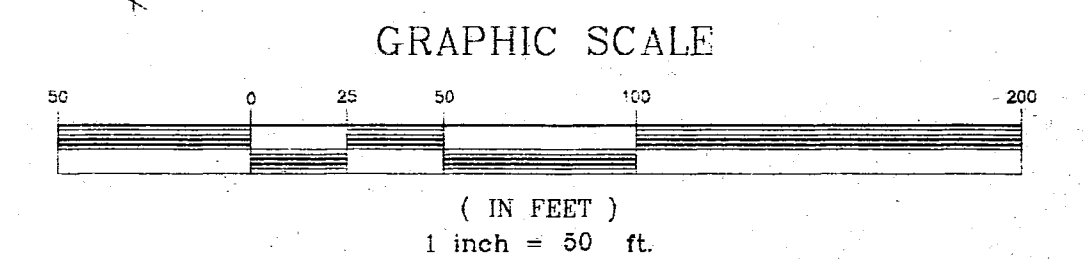


RECORD DRAWING



SEC.27, T.39 N., R.2 E.

	POWER OR TELEPHONE POLE W/ ANCHOR		SC	STORM DRAIN
	CATCH BASIN		CP	OVERHEAD POWER
	FIRE HYDRANT ASSEMBLY		CT	OVERHEAD TELEPHONE
	LIGHT			EDGE ASPHALT
	UTILITY VAULT			ROAD CENTERLINE
	PROPOSED WATER VALVE		G X	FENCE
	EXIST. WATER VALVE		SS	SANITARY SEWER
	THRUST BLOCK		FM	FORCE MAIN
	CULVERT			RIGHT OF WAY
	SIGN			PROPERTY LINE
	EXIST. WATERLINE			GRID LINE
	DITCH			PROPOSED WATERLINE
	UNDERGROUND POWER			
	UNDERGROUND GAS			
	TELEPHONE			



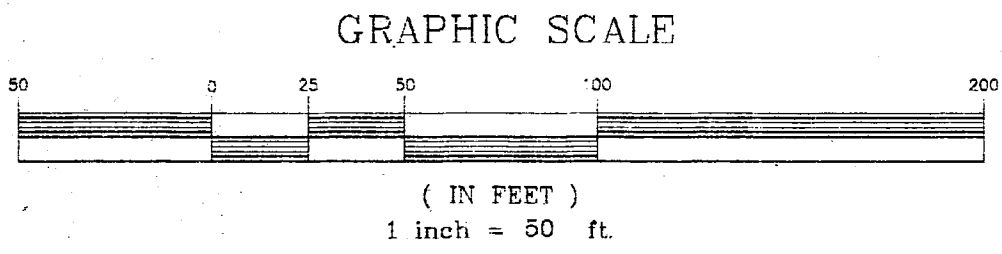
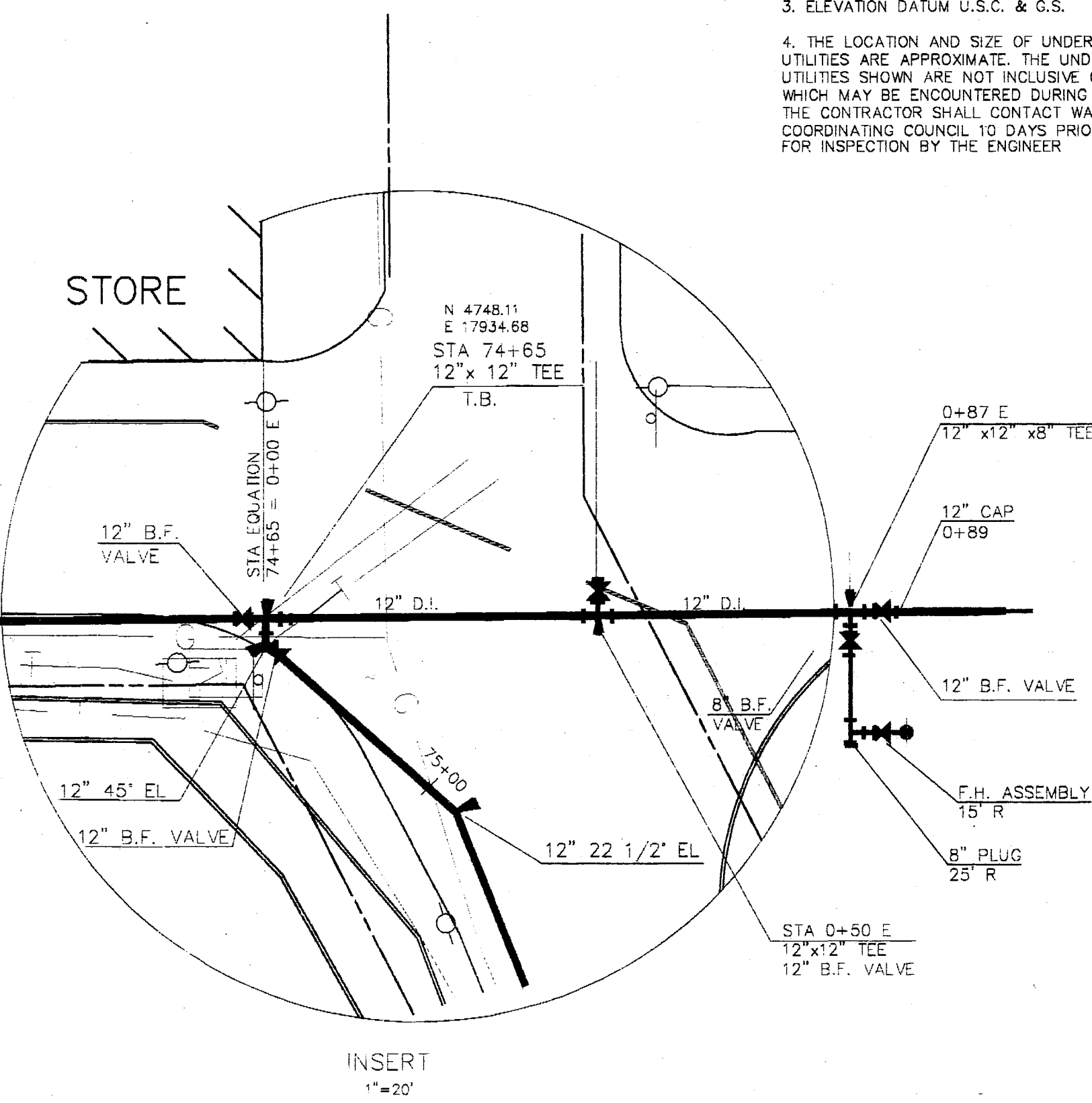
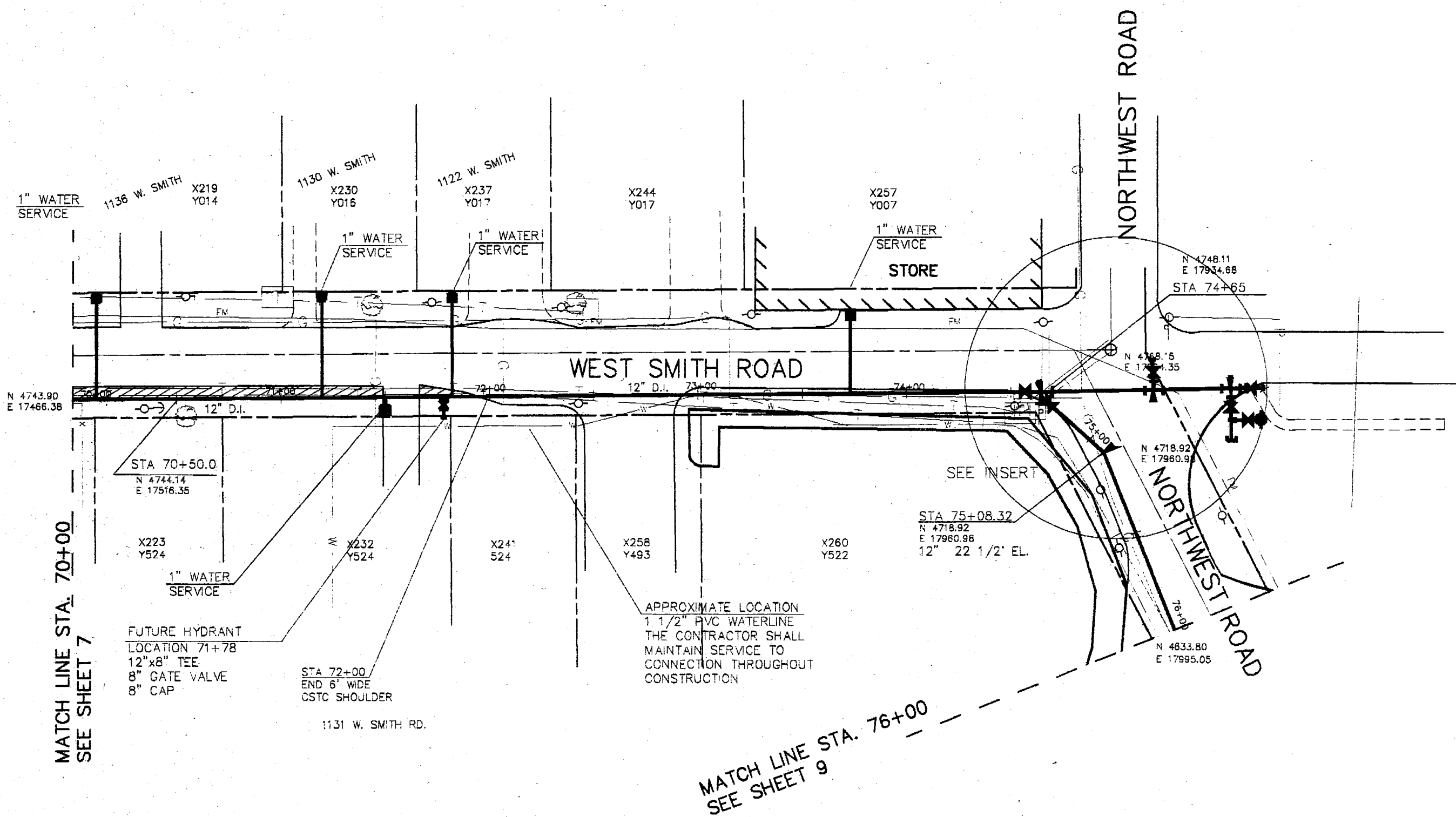
DESIGNED BY
DRAWN BY
CHECKED BY

DATE	SHEET
1/1992	6
SCALE	OF
V-1"=5'	14
H-1"=50'	
REC. NO.	
91076	
1076PP6R	

SEC.34, T.39 N., R.2 E.

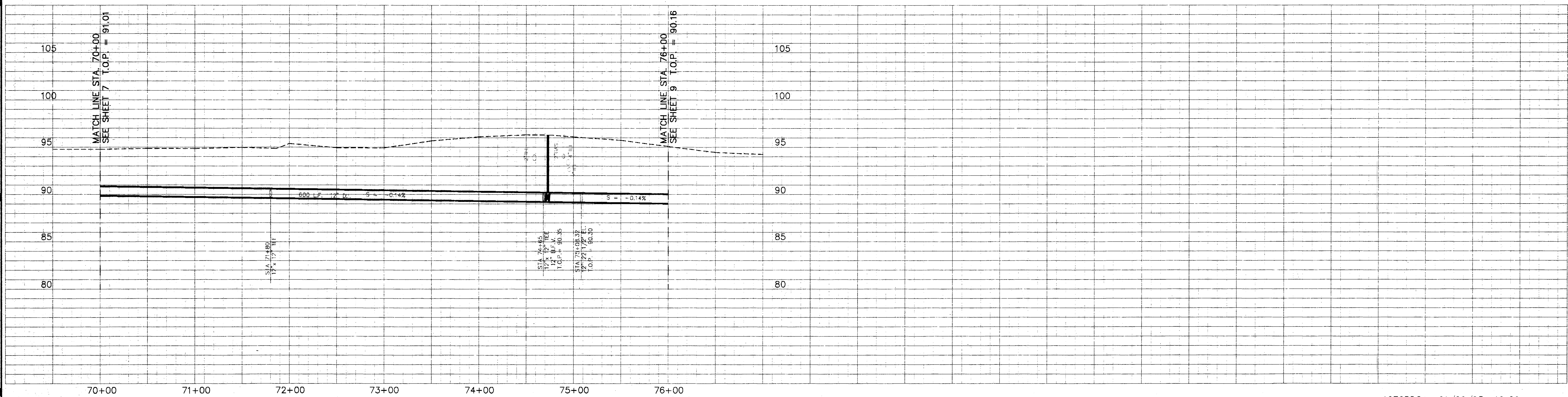
- NOTES:
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- LEGEND
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NOTE: UTILITIES IN AREA
CALL BEFORE YOU DIG!

RECORD DRAWING



NO.	REVISIONS	BY	DATE

WEDEN ENGINEERING, INC.
119 GRAND AVENUE, SUITE D,
BELLINGHAM, WA. 98225 671-8200

ONE INCH AT FULL SCALE

IF NOT ONE INCH
SCALE ACCORDINGLY

DESIGNED BY

DRAWN BY

CHECKED BY

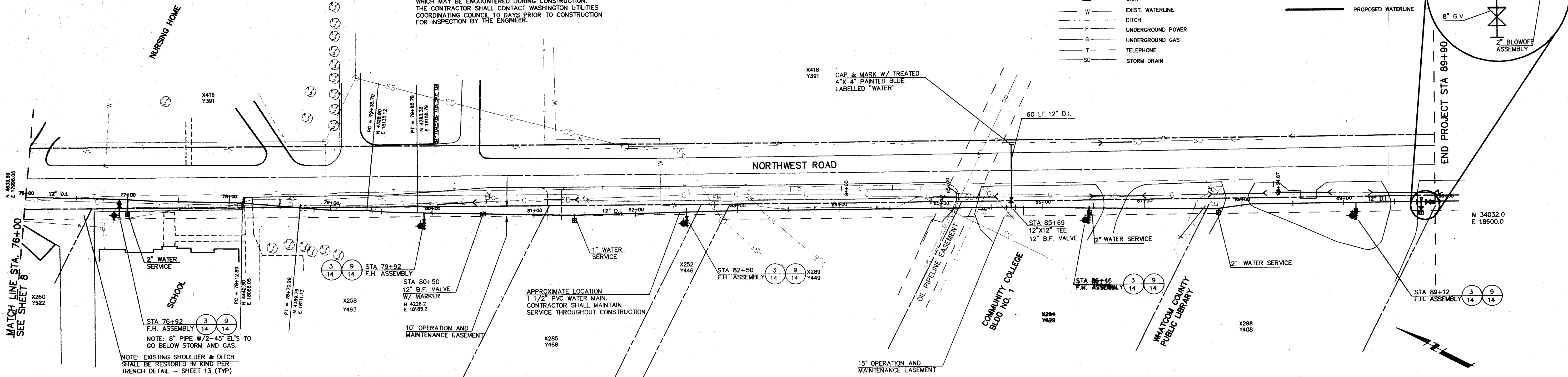
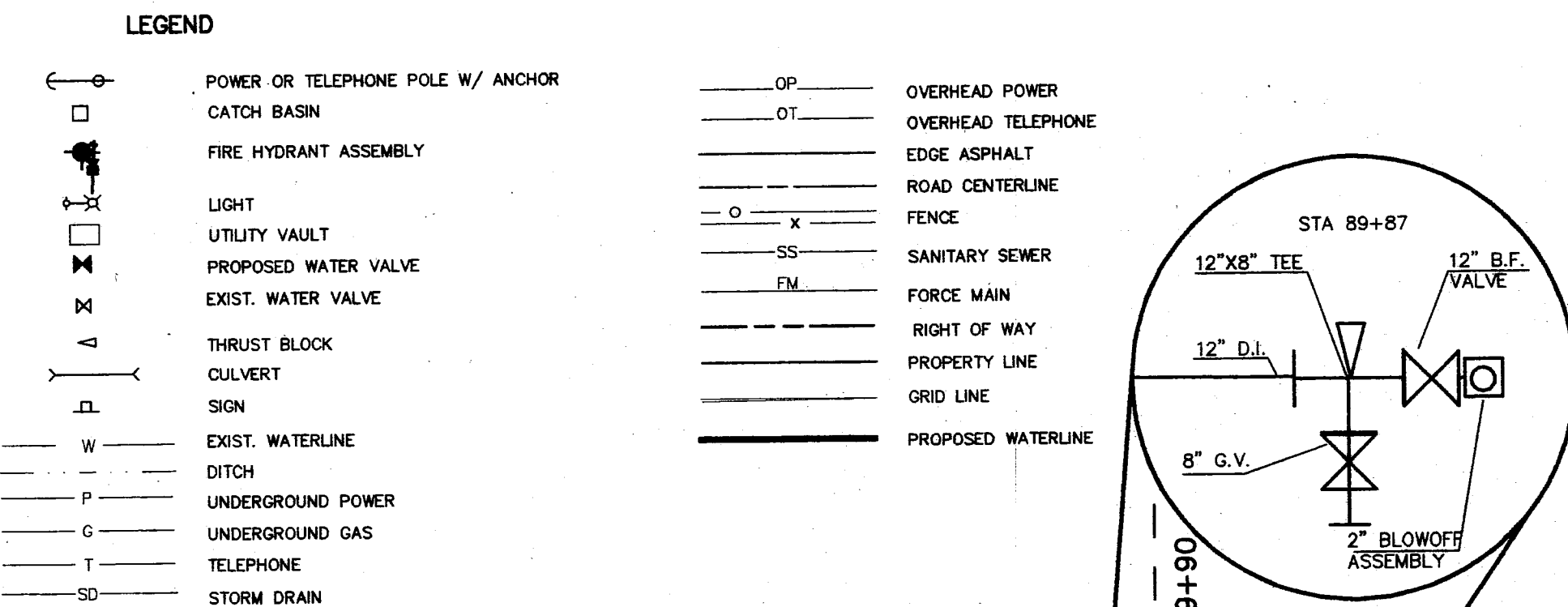
WHATCOM COUNTY P.U.D.
SMITH ROAD WATER EXTENSION
STA. 70+00 TO STA. 76+00

1076RD8A 01/26/93 10:29

DATE	1/1992	SHEET	8
SCALE	V-1"=5'	OF	14
H-1"=50'			
REC. NO.	91076		
10/7/93			

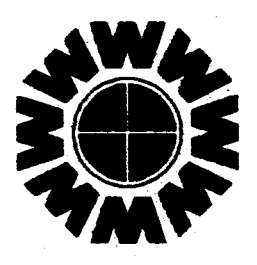
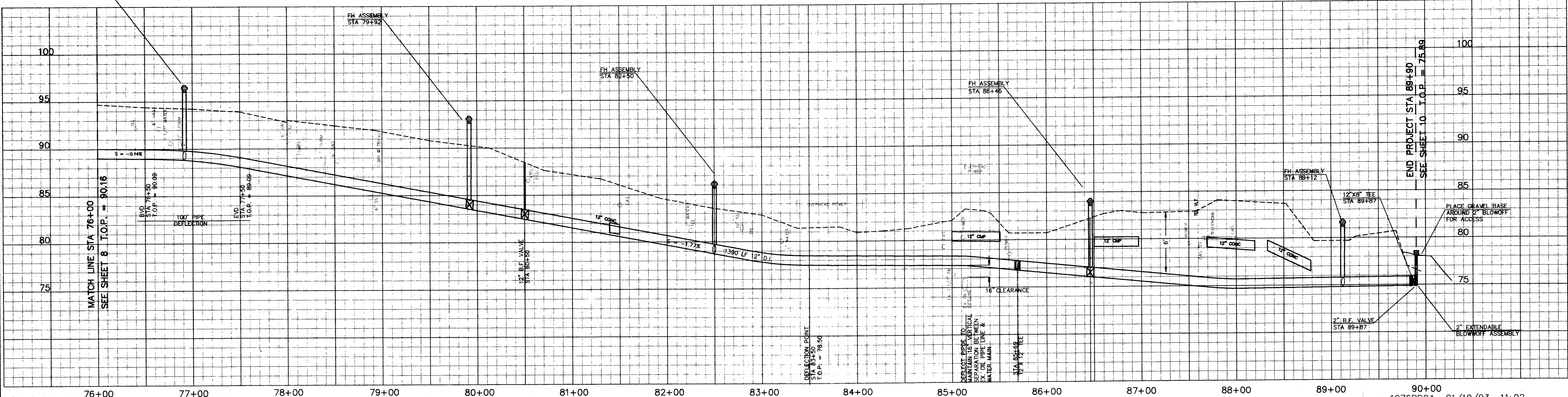
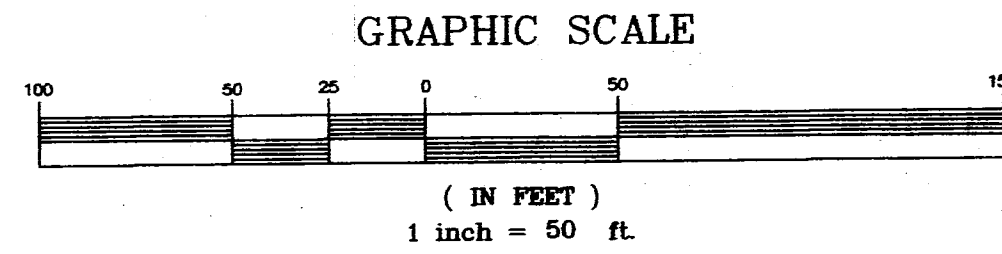
SEC.34, T.39 N., R.2 E.

NOTES:
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RECORD DRAWING

NOTE: UTILITIES IN AREA CALL BEFORE YOU DIG!



WEDEN ENGINEERING, INC.
119 GRAND AVENUE, SUITE D,
BELLINGHAM, WA. 98225 671-8200

ONE INCH AT FULL SCALE
IF NOT ONE INCH SCALE ACCORDINGLY

DESIGNED BY
DRAWN BY
CHECKED BY

WHATCOM COUNTY P.U.D.
SMITH ROAD WATER EXTENSION
STA. 76+00 TO STA. END

DATE
1/1992
SCALE
V-1"=5'
H-1"=50'
REC. NO.
91076

SHEET
9
OF
14

SEC.34, T.39 N., R.2 E.

COMMUNITY COLLEGE
BLDG NO. 1

WHATCOM COUNTY
PUBLIC LIBRARY

LIBRARY

GRASS

NORTHWEST ROAD

LEGEND

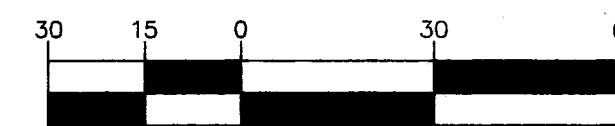
- | | |
|------|-----------------------------------|
| —OP— | OVERHEAD POWER |
| —OT— | OVERHEAD TELEPHONE |
| — | EDGE ASPHALT |
| — | ROAD CENTERLINE |
| —X— | FENCE |
| —SS— | SANITARY SEWER |
| —FM— | FORCE MAIN |
| — | RIGHT OF WAY |
| — | PROPERTY LINE |
| — | GRID LINE |
| — | PROPOSED WATERLINE |
| — | POWER OR TELEPHONE POLE W/ ANCHOR |
| — | CATCH BASIN |
| — | FIRE HYDRANT ASSEMBLY |
| — | LIGHT |
| — | UTILITY VAULT |
| — | PROPOSED WATER VALVE |
| — | EXIST. WATER VALVE |
| — | THRUST BLOCK |
| — | CULVERT |
| — | SIGN |
| —W— | EXIST. WATERLINE |
| —P— | DITCH |
| —G— | UNDERGROUND POWER |
| —T— | UNDERGROUND GAS |
| —SD— | TELEPHONE |
| —SD— | STORM DRAIN |

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CONTRACTOR TO VERIFY THE
LOCATION OF EX. 8" D.I. PIPE
SET DURING PREVIOUS
CONSTRUCTION.

8" W.L. TO BE PLACE 5' OFF PROPERTY LINE.
HORIZONTAL LOCATION WILL BE DETERMINED
BY THE LOCATION OF THE EX. 8" D.I. PIPE.

NOTE: UTILITIES IN AREA
CALL BEFORE YOU DIG!



SCALE: 1" = 30'

RECORD DRAWING

VERTICAL LOCATION WILL BE DETERMINED
BY THE LOCATION OF THE EX. 8" PIPE.
A POSITIVE SLOPE TO BE MAINTAINED FROM
STA. 0+00 TO FIRE HYDRANT.

FIRE HYD.
STA. 3+66.00

LANDSCAPED
ISLAND

ASPHALT
PAVEMENT

8" 90" EL.
STA. 2+93.00

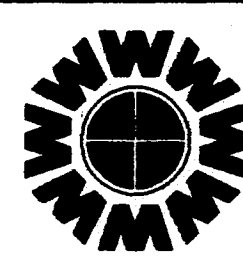
MAINTAIN 42" MINIMUM COVER
TO TOP OF PIPE

PLACE GRAVEL BASE

8" 22 1/2" EL.
STA. 0+24.00

12"x6" TEE
8" G.V.
STA. 89+87
STA. 0+00

1076RD14 12/14/92 11:20



WEDEN ENGINEERING, INC.
119 GRAND AVENUE, SUITE D,
BELLINGHAM, WA. 98225 671-8200

ONE INCH AT FULL SCALE
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DESIGNED BY
DRAWN BY
CHECKED BY

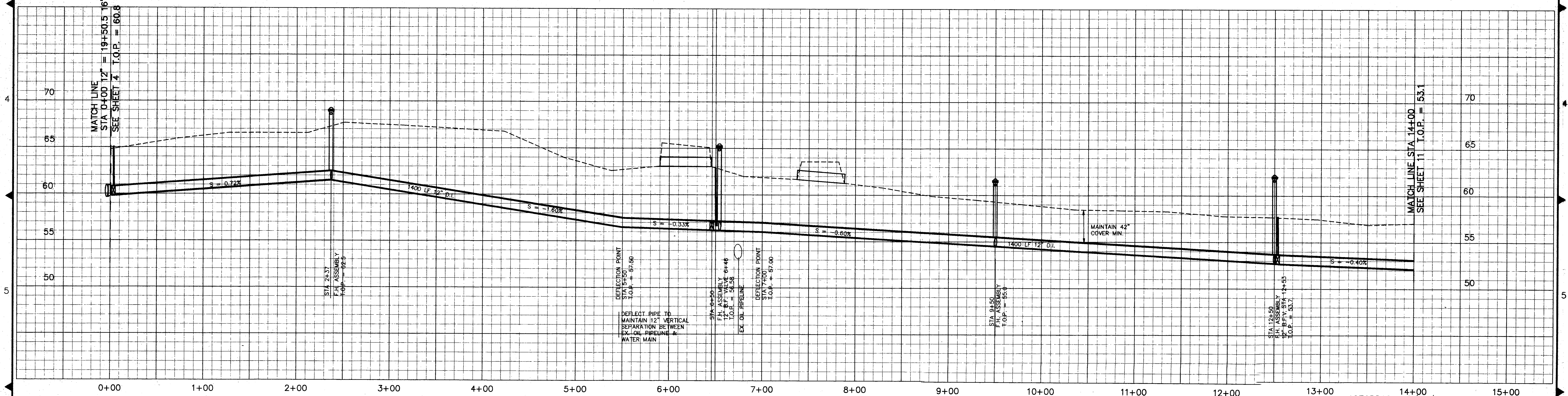
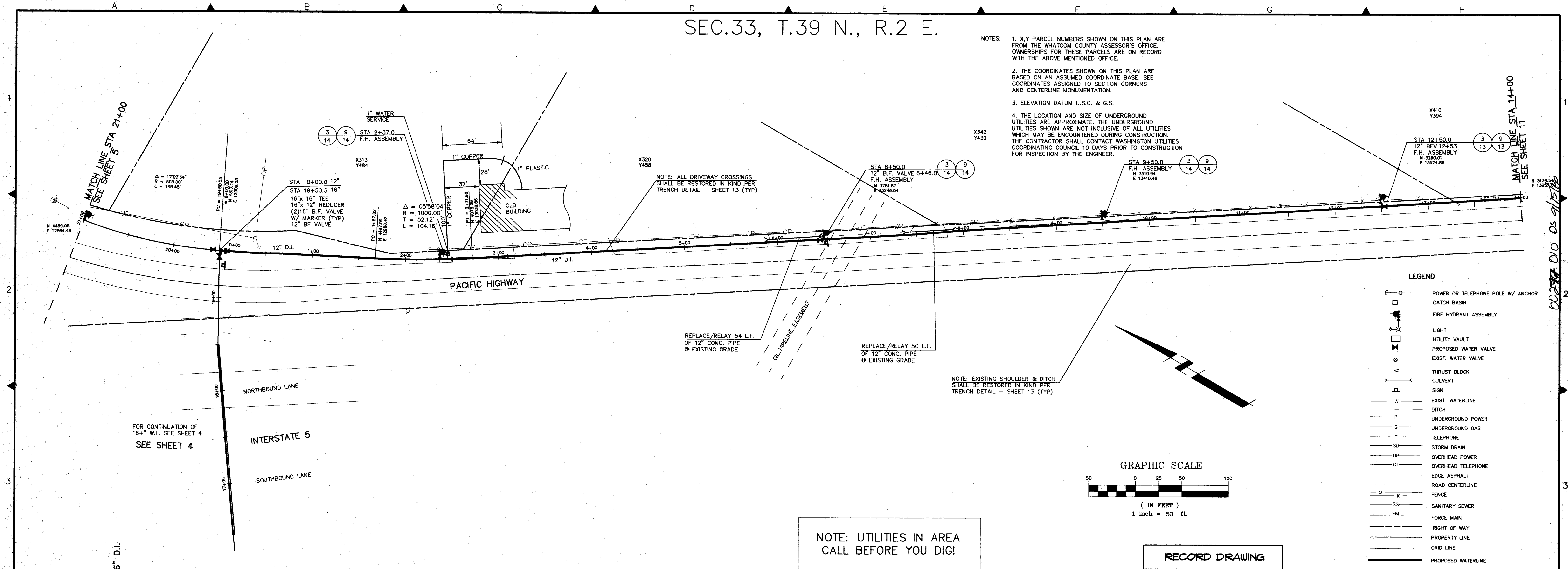
WHATCOM COUNTY P.U.D.
SMITH ROAD WATER EXTENTION
STA. 0+00 TO 3+66.00

DATE
5/1992
SCALE
V-1"=5'
H-1"=30'
REC. NO.
91076
1076PP14

SHEET
9A
OF
14

SEC.33, T.39 N., R.2 E.

- NOTES:
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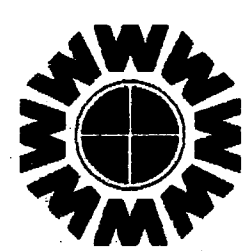
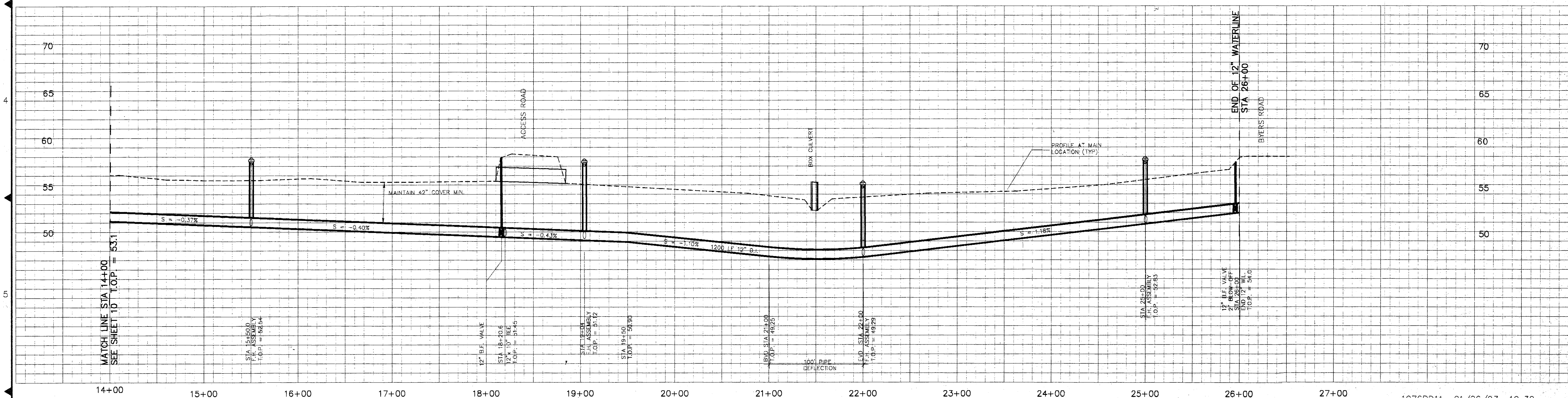
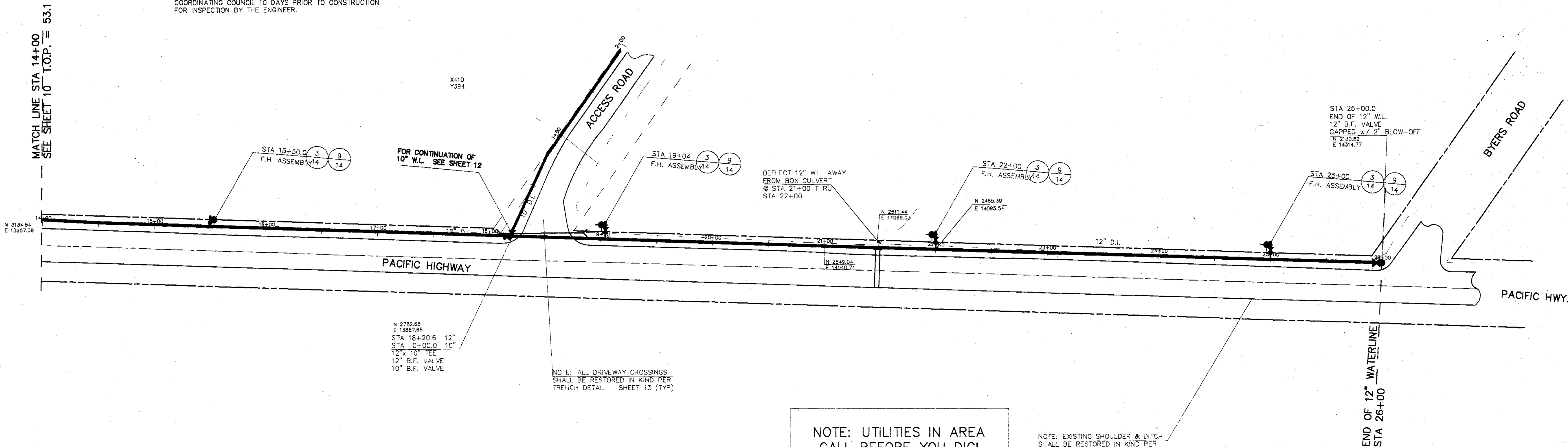


WEDEN ENGINEERING, INC. 119 GRAND AVENUE, SUITE D, BELLINGHAM, WA. 98225 671-8200		ONE INCH AT FULL SCALE IF NOT ONE INCH SCALE ACCORDINGLY	DESIGNED BY DRAWN BY CHECKED BY	WHATCOM COUNTY P.U.D. SMITH ROAD WATER EXTENSION STA. 0+00 TO STA. 14+00	DATE 1/1992 SCALE V-1"=5' H-1"=50' REC. NO. 91078 1076PP10	SHEET 10 OF 14
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SEC.33, T.39 N., R.2 E.

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- LEGEND
- POWER OR TELEPHONE POLE W/ ANCHOR
 - CATCH BASIN
 - FIRE HYDRANT ASSEMBLY
 - LIGHT
 - UTILITY VAULT
 - PROPOSED WATER VALVE
 - EXIST. WATER VALVE
 - THRUST BLOCK
 - CULVERT
 - SGN
 - EXIST. WATERLINE
 - DITCH
 - UNDERGROUND POWER
 - UNDERGROUND GAS
 - TELEPHONE
 - STORM DRAIN
 - OVERHEAD POWER
 - OVERHEAD TELEPHONE
 - EDGE ASPHALT
 - ROAD CENTERLINE
 - GRID LINE
 - FENCE
 - SANITARY SEWER
 - FORCE MAIN
 - RIGHT OF WAY
 - PROPERTY LINE
 - GRID LINE
 - PROPOSED WATERLINE



WEDEN ENGINEERING, INC.
119 GRAND AVENUE, SUITE D,
BELLINGHAM, WA. 98225 671-8200

ONE INCH AT FULL SCALE
IF NOT ONE INCH
SCALE ACCORDINGLY

DESIGNED BY
DRAWN BY
CHECKED BY

WHATCOM COUNTY P.U.D.
SMITH ROAD WATER EXTENSION
STA. 14+00 TO STA. 26+00

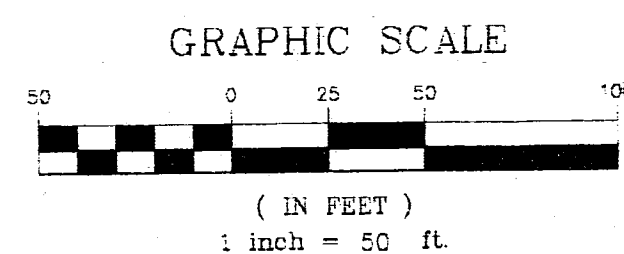
DATE: 1/1992
SCALE: V-1"=5', H-1"=50'
REC. NO. 91076
1076pp11

SHEET 11 OF 14

SEC.33, T.39 N., R.2 E.

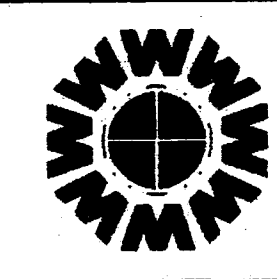
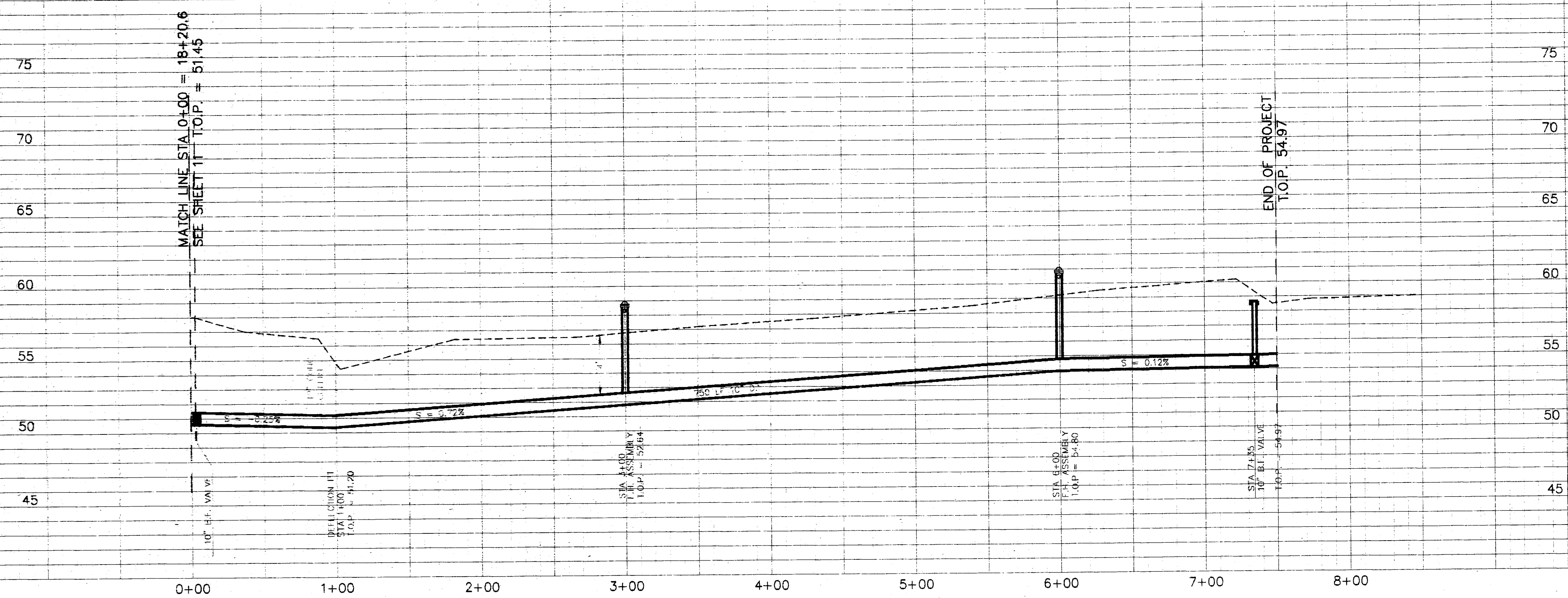
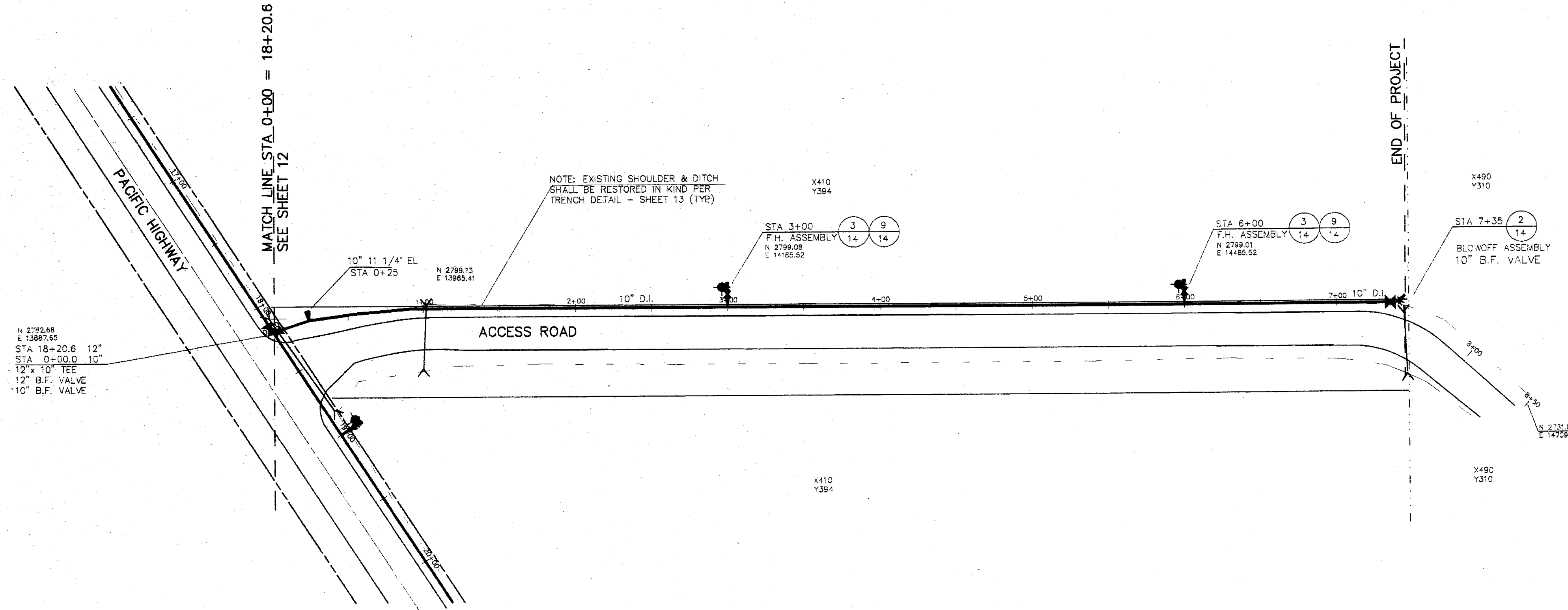
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NOTE: UTILITIES IN AREA
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RECORD DRAWING



WEDEN ENGINEERING, INC.
119 GRAND AVENUE, SUITE D,
BELLINGHAM, WA. 98225 671-8200

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DESIGNED BY
DRAWN BY
CHECKED BY

WHATCOM COUNTY P.U.D.
SMITH ROAD WATER EXTENSION
STA. 0+00 TO STA. 14+00

DATE
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SCALE
V-1"=5'
H-1"=50'
REC. NO.
91076
10760012

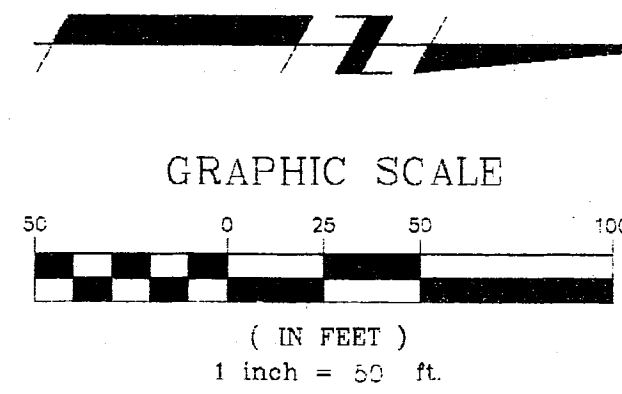
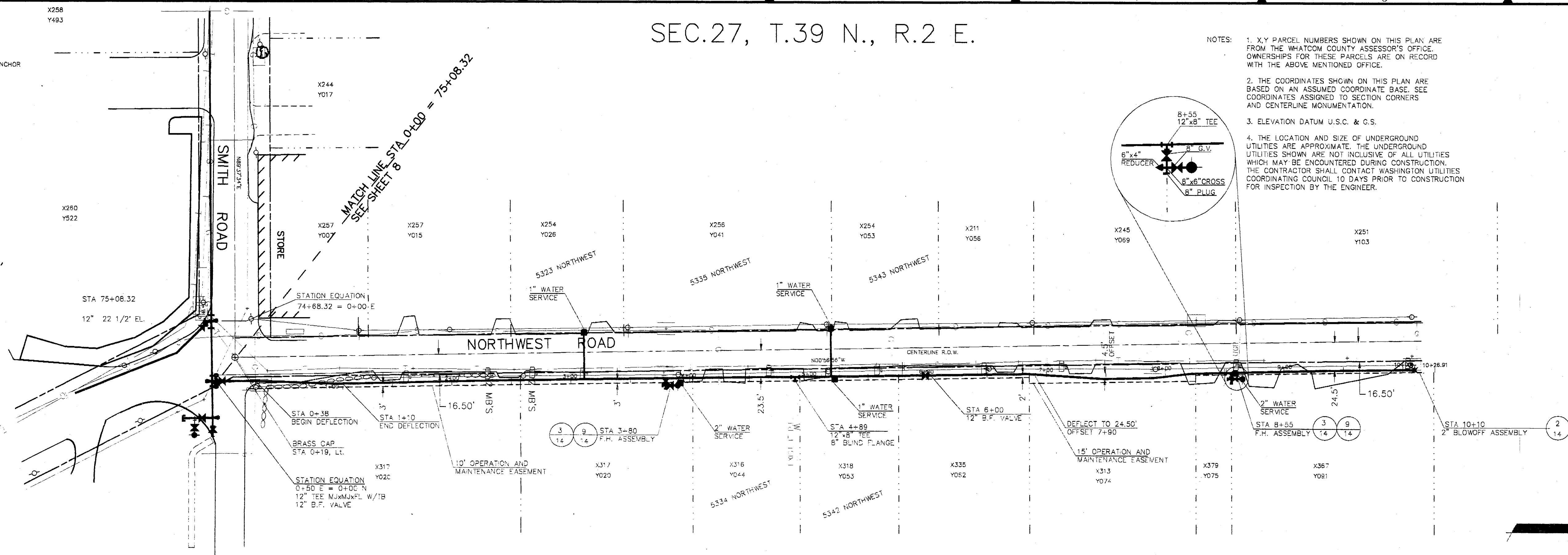
SHEET
12
OF
14

SEC.27, T.39 N., R.2 E.

LEGEND

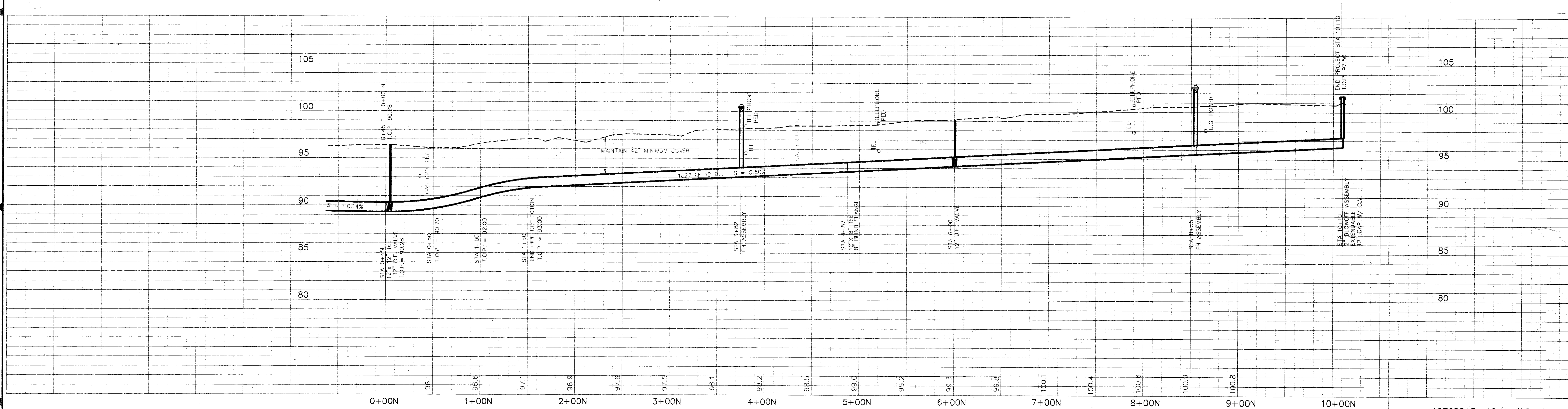
- POWER OR TELEPHONE POLE W/ ANCHOR
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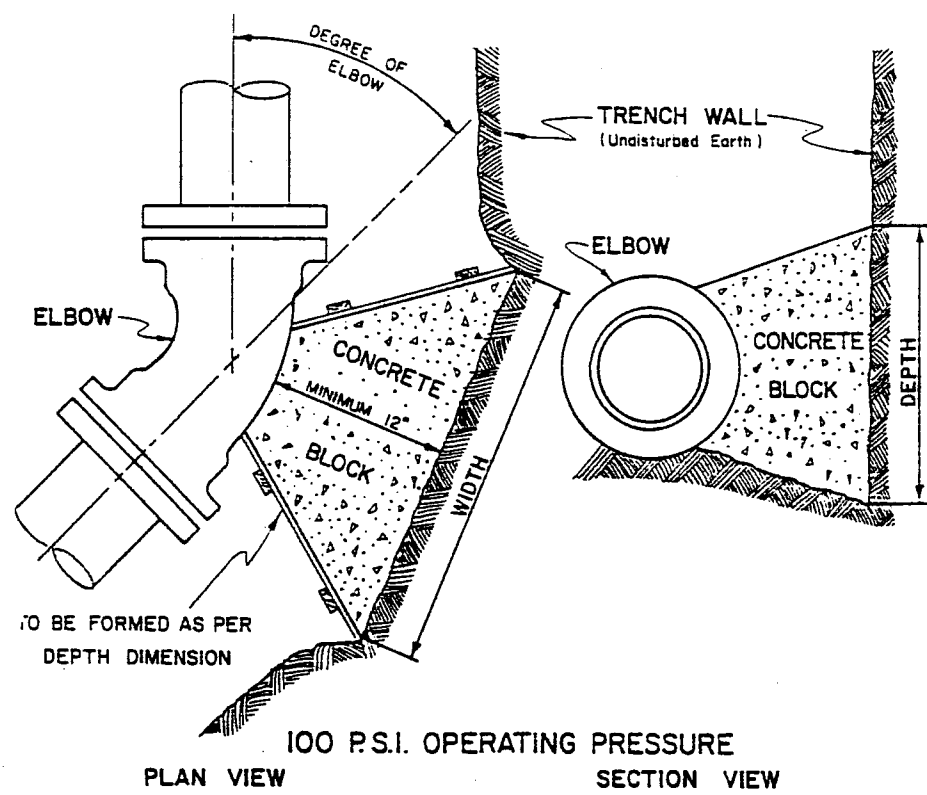
ONE INCH AT FULL SCALE
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DRAWN BY
CHECKED BY

WHATCOM COUNTY P.U.D.
SMITH ROAD WATER EXTENSION
STA. 0+00N TO STA. 10+26.91N

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SCALE
V-1"=5'
H-1"=50'
REC. NO.
91076

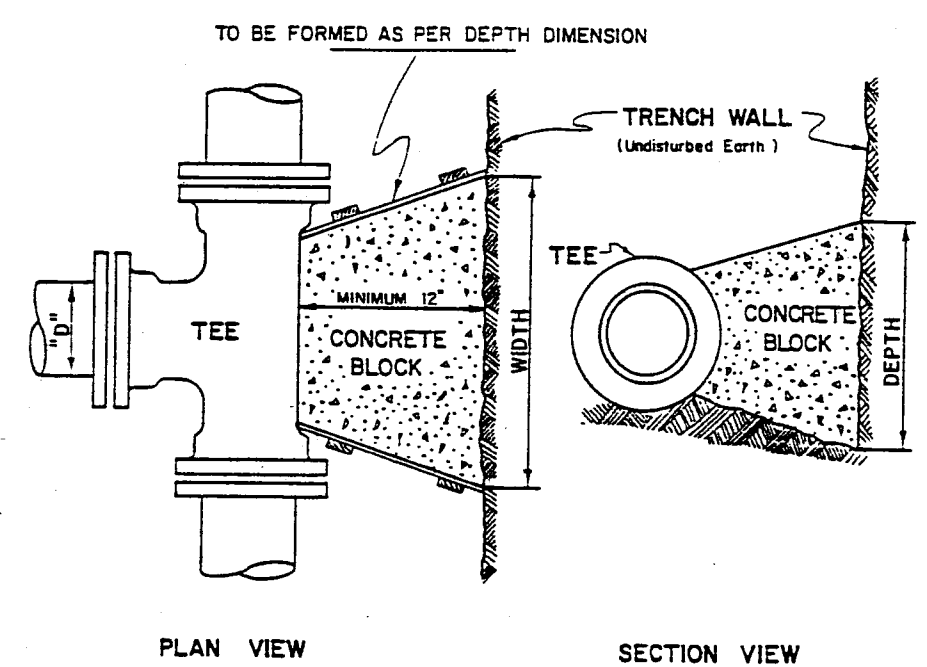
SHEET
13
OF
14



SIZE	11 1/4"	22 1/2"	45"	90"
6"	1'-0"	1'-0"	1'-0"	1'-6"
8"	1'-3"	1'-3"	1'-3"	1'-9"
10"	1'-6"	1'-6"	2'-3"	2'-6"
12"	2'-0"	2'-0"	2'-9"	4'-0"
16"	2'-9"	2'-9"	4'-0"	6'-3"
20"	3'-6"	3'-6"	4'-6"	8'-6"
24"	4'-6"	4'-6"	5'-0"	9'-9"

NOTE: All Above Dimensions Apply To Stable Trench Walls, Under Variable Conditions Size Of Thrust Block Shall Be Determined By The ENGINEER

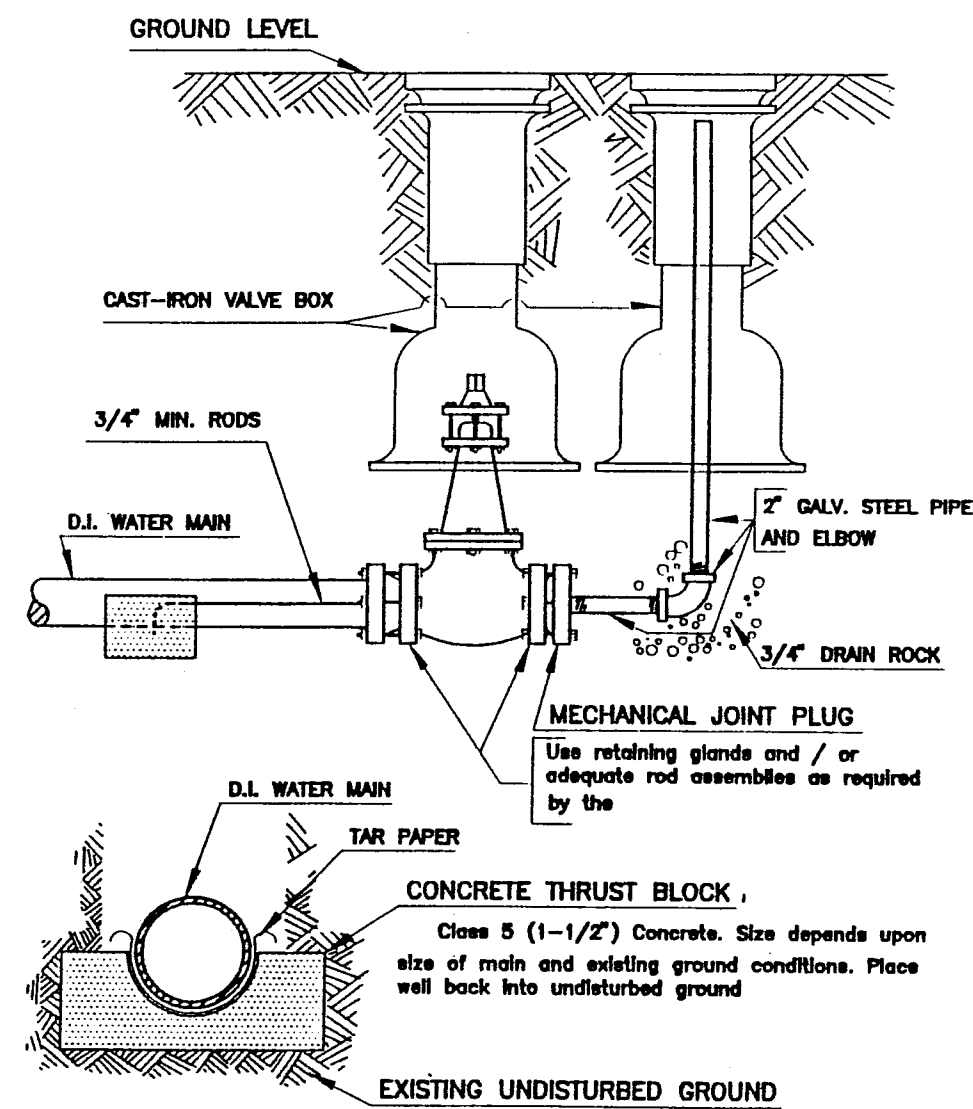
1 THRUST BLOCK DETAIL (TYP)
NTS



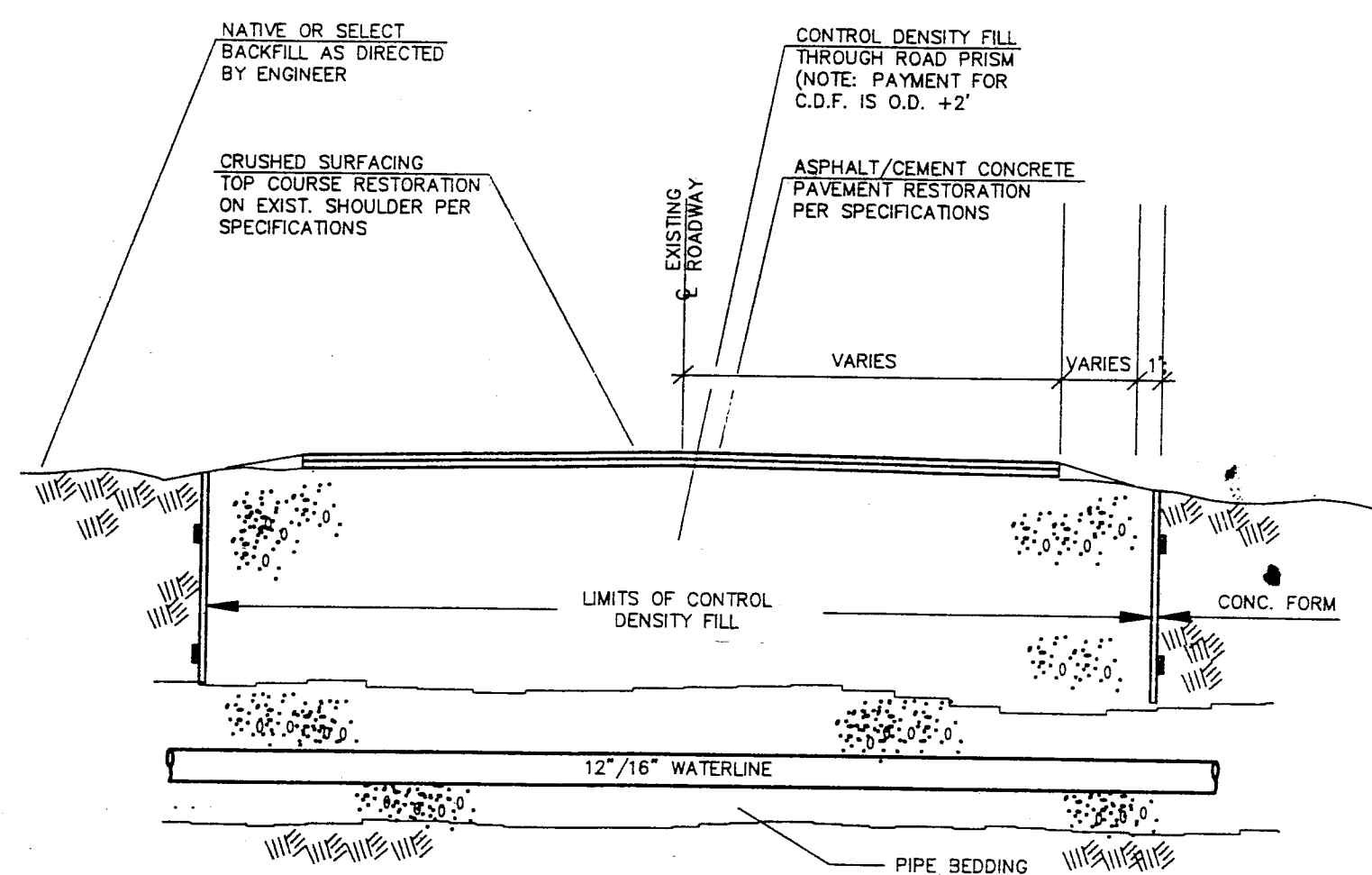
"D"	WIDTH	DEPTH
6"	1'-6"	1'-6"
8"	2'-0"	2'-0"
10"	2'-6"	2'-6"
12"	3'-0"	3'-0"
16"	4'-6"	3'-6"
20"	6'-0"	4'-0"
24"	7'-0"	5'-0"

NOTE: All Above Dimensions Apply To Stable Trench Walls, Under Variable Conditions Size Of Thrust Block Shall Be Determined By The ENGINEER

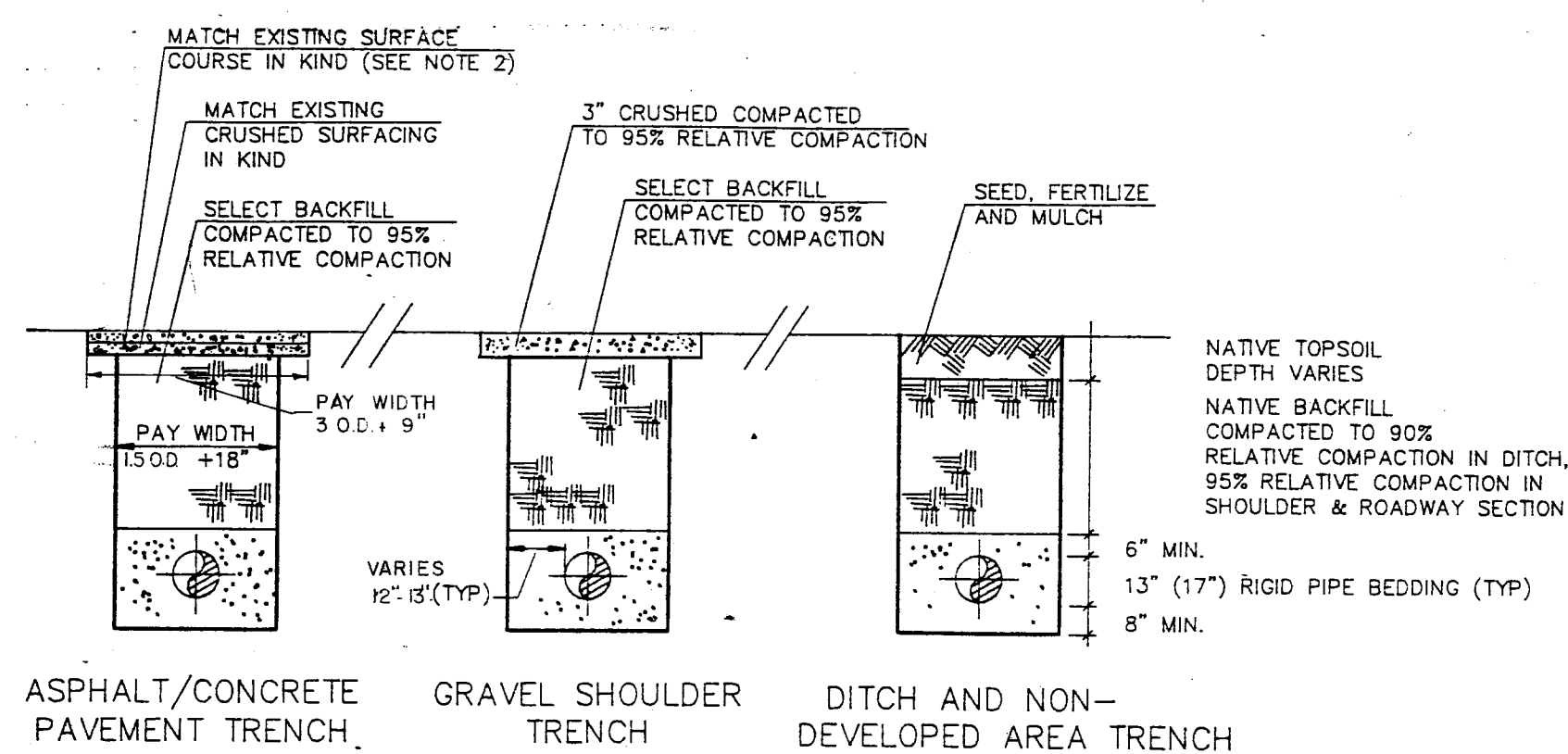
5 THRUST BLOCK DETAIL (TYP)
NTS



2 2" BLOW-OFF ASSEMBLY
NTS

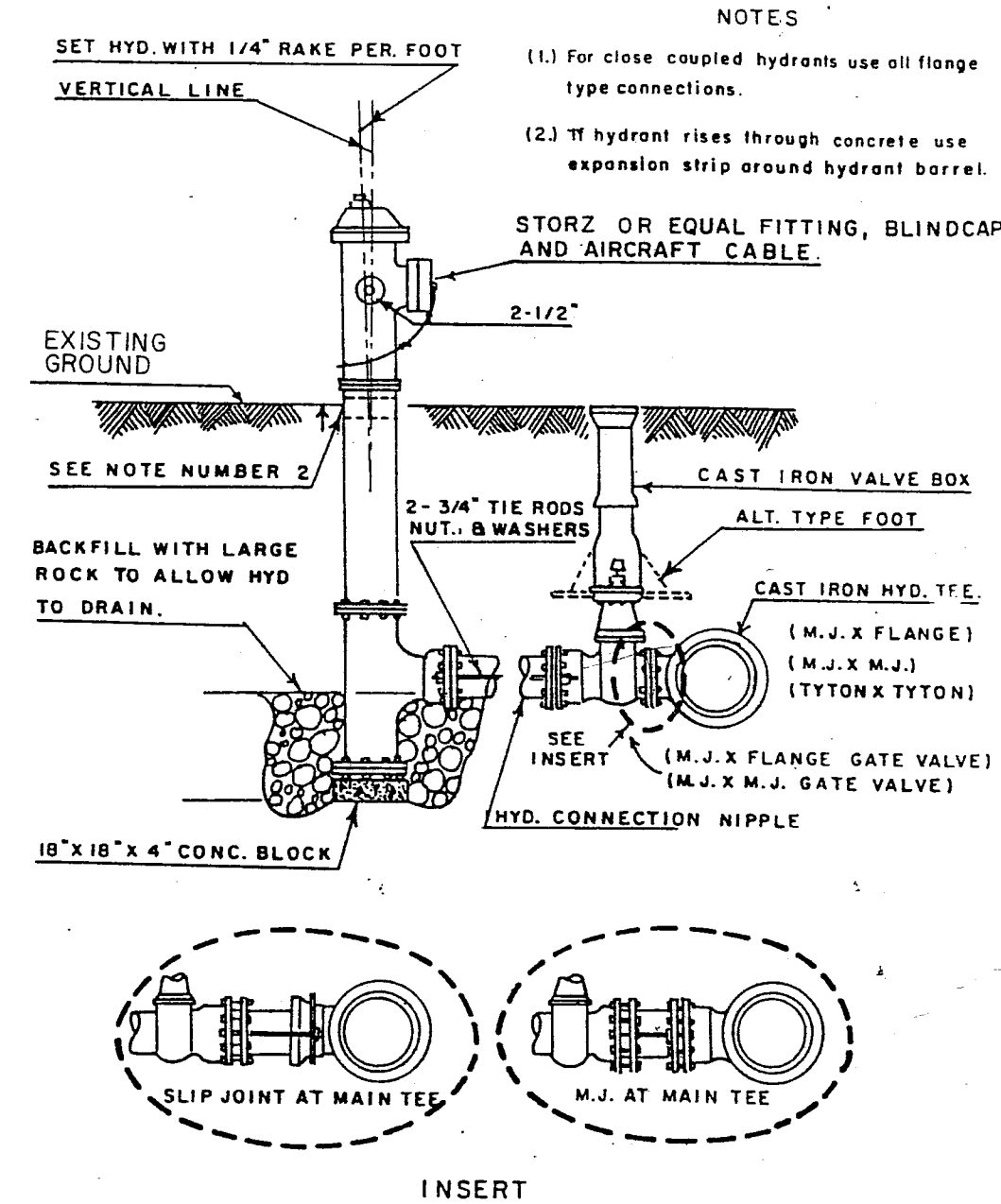


6 WHATCOM COUNTY TYPICAL
ROAD CUT DETAIL
NTS

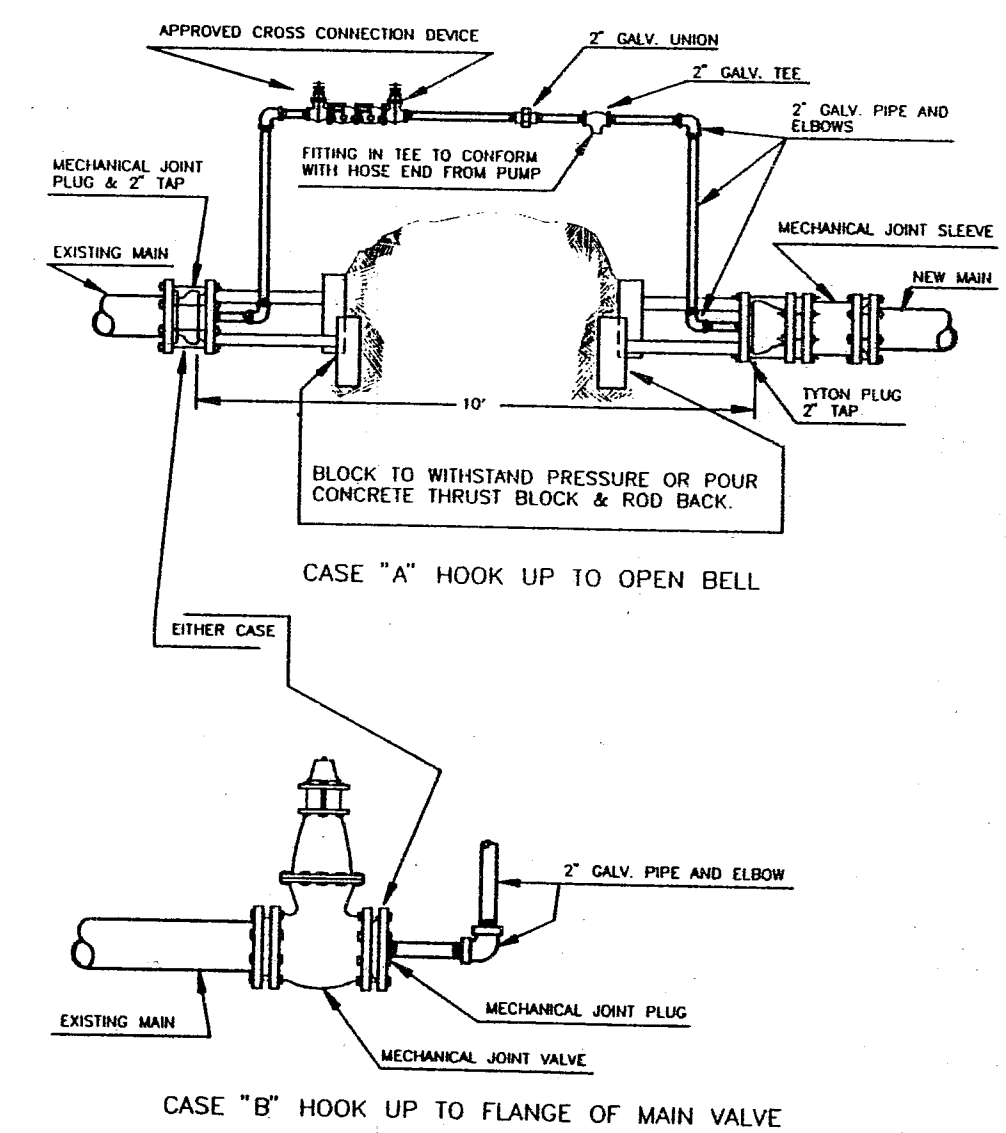


7 TRENCHING DETAIL
N.T.S.

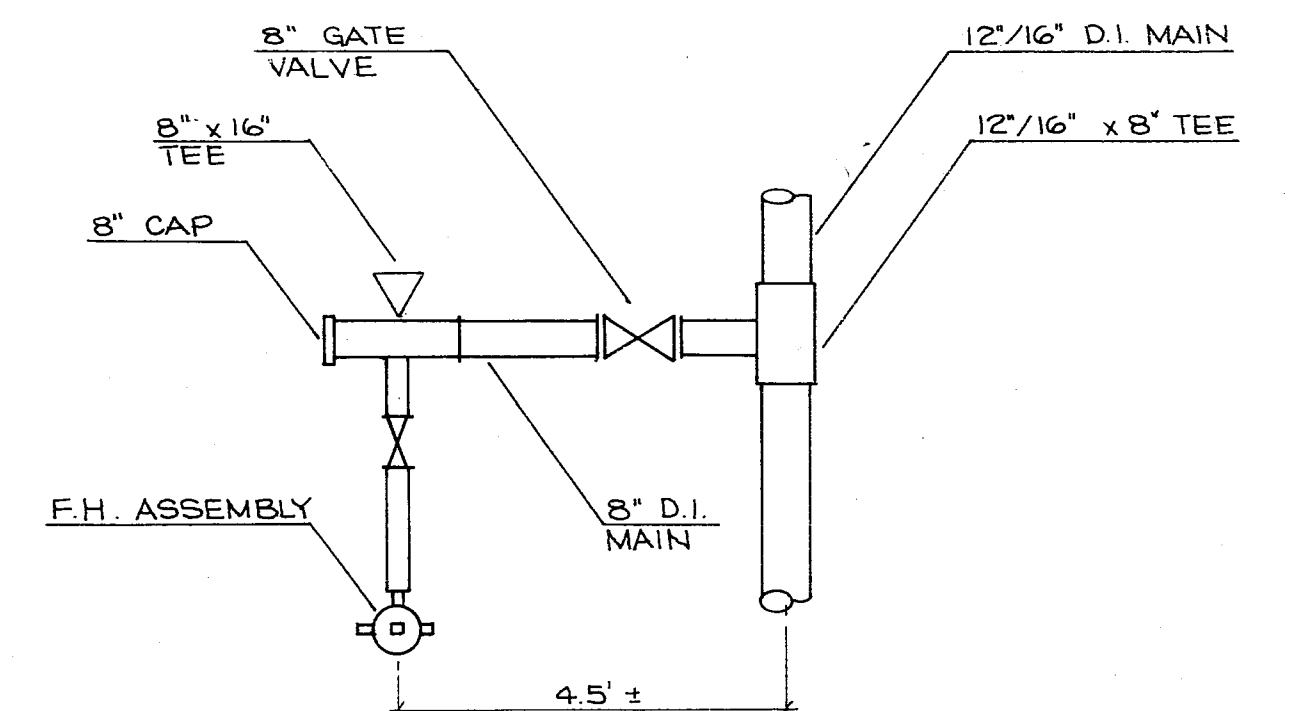
- NOTES:
1. NATIVE BACKFILL SHALL BE COMPACTED TO 90% RELATIVE COMPACTION.
 2. SELECT BACKFILL/CRUSHED SURFACE COURSE SHALL BE COMPACTED TO 95% COMPACTION.
 3. PAVEMENT SHALL BE SAW CUT, TACKED, AND COMPACTED TO 92% OF ABSOLUTE DENSITY.
 4. P.C.C. REPLACEMENT SHALL BE 2" GREATER THAN EXISTING COURSE, 7" MINIMUM, 6.5 P.C.C. (HES - AIR ENTRAINED)
 5. ALL TRENCH RESTORATION SHALL MEET EITHER CITY OF FERRDALE OR WHATCOM COUNTY STANDARDS.



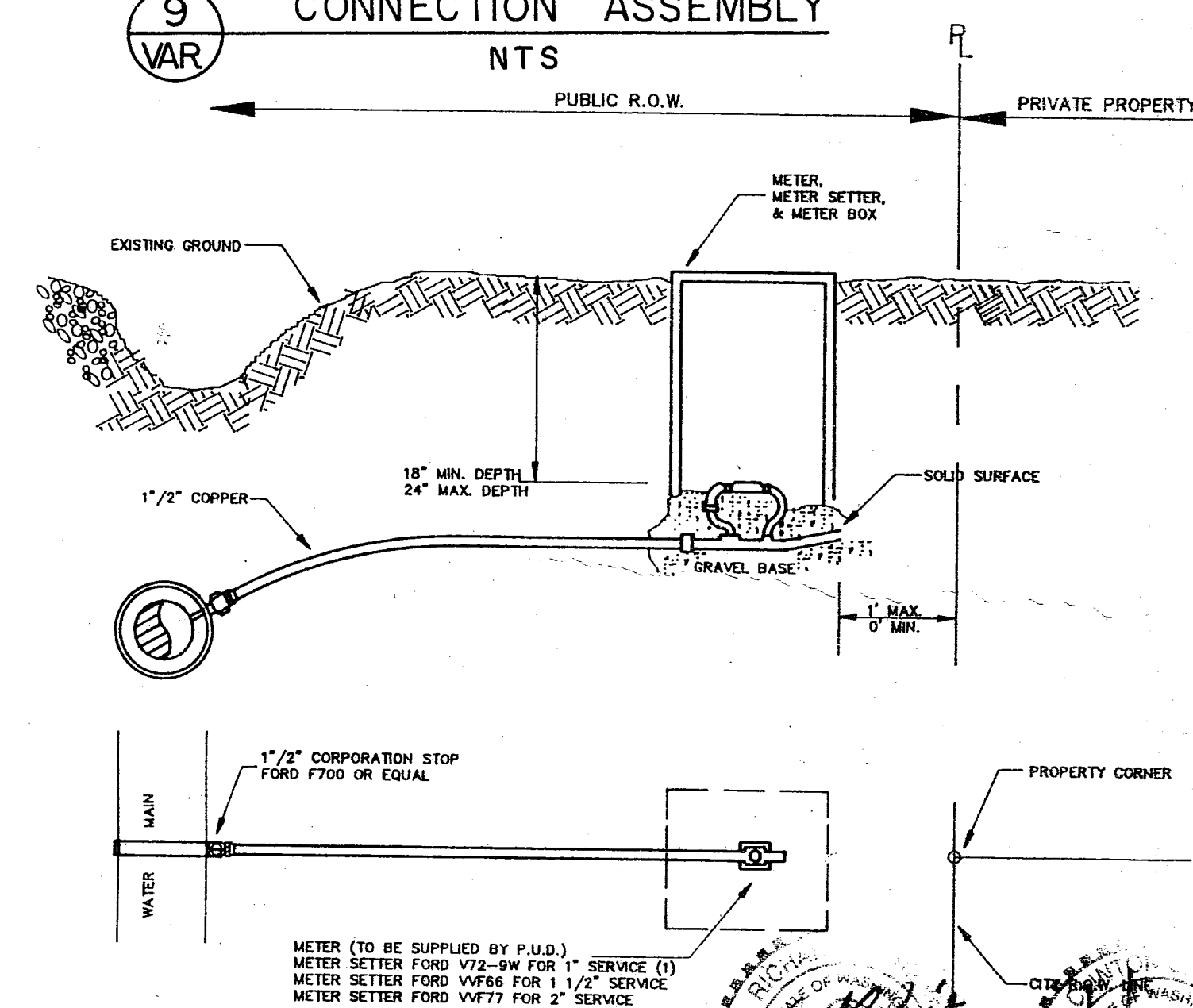
3 FIRE HYDRANT ASSEMBLY
NTS



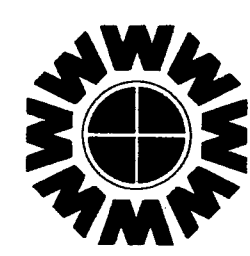
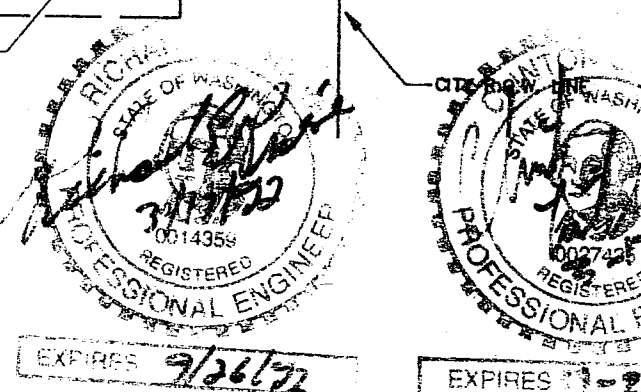
4 PRESSURE TEST/CHARGE ASSEMBLY
NTS



9 CONNECTION ASSEMBLY
NTS



9 WATER SERVICE (TYP)
NTS



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119 GRAND AVENUE, SUITE D,
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SMITH ROAD WATER EXTENSION
DETAILS

1076BDR 01/30/92 07:56

DATE
SCALE
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