

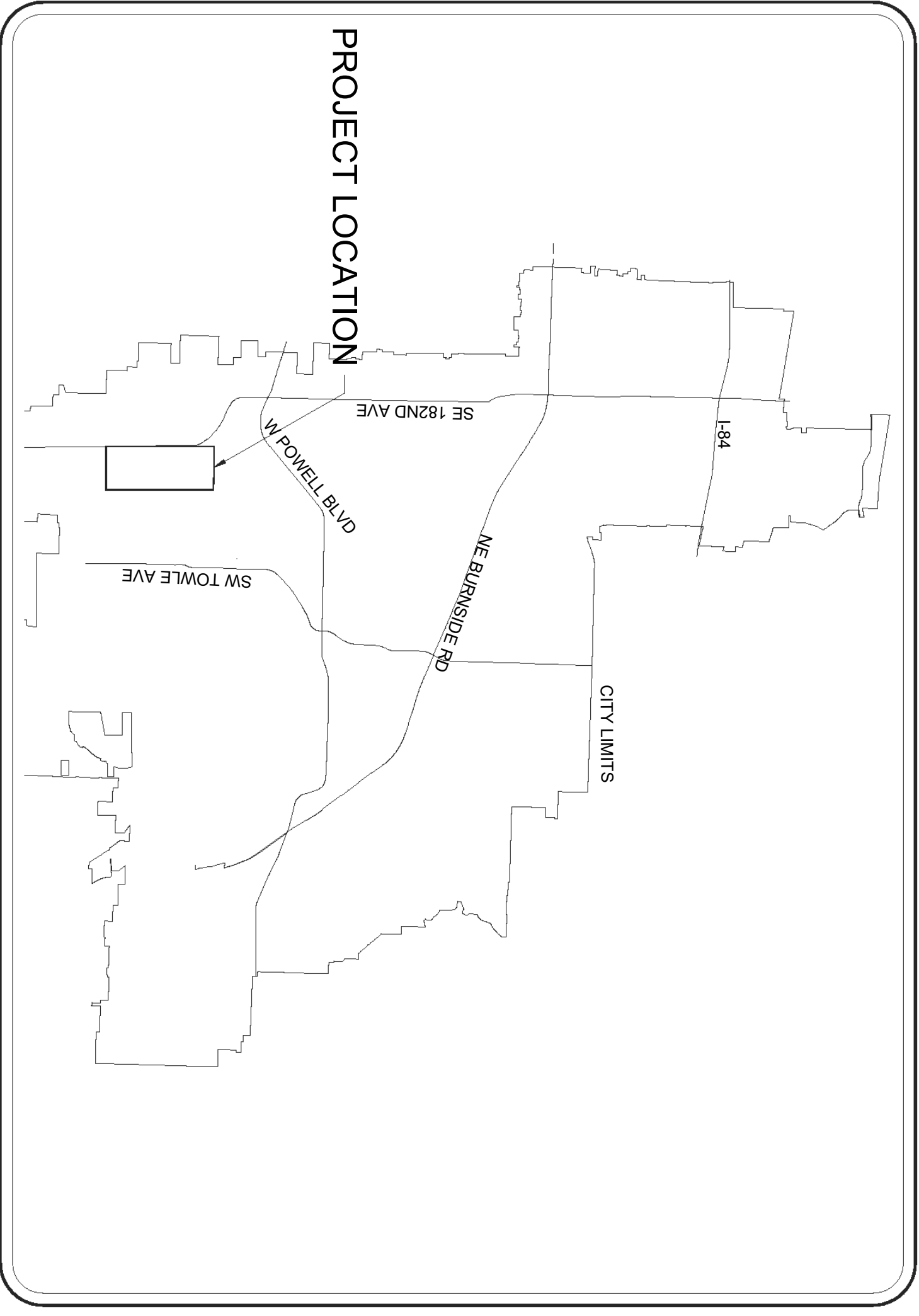
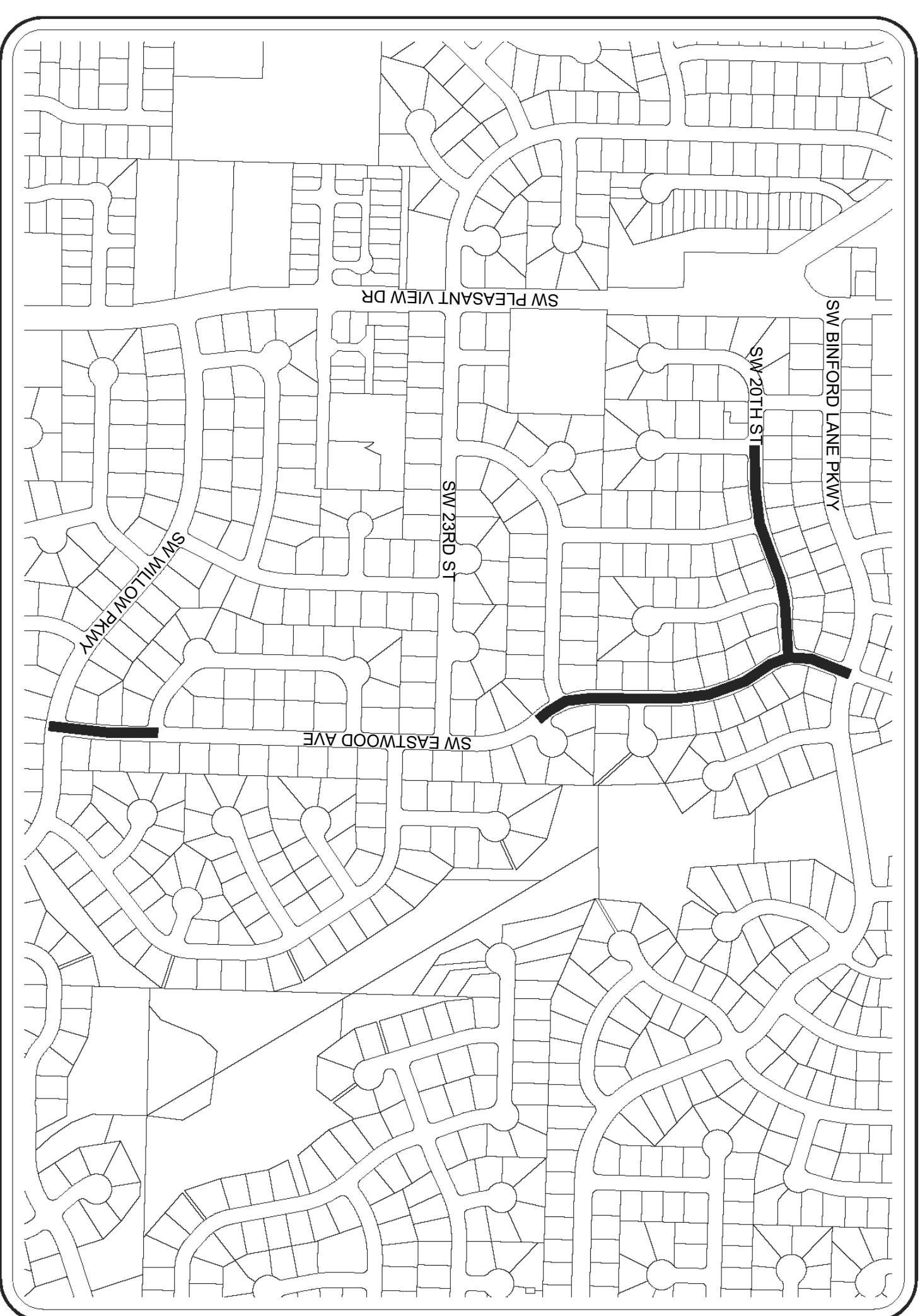
# 2021 WL REPLACEMENT FOR LOCAL ST IMPROV. PH II

## CIP NO. WT015

NOVEMBER 2020

**SHEET INDEX**

1	COVER SHEET
2	NOTES AND LEGEND
3	SW EASTWOOD AVE (S) PLAN AND PROFILE
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6	SW EASTWOOD AVE (N) PLAN AND PROFILE STA 17+00 TO STA 20+00
7	SW 20TH ST PLAN AND PROFILE STA 0+00 TO STA 3+75
8	SW 20TH ST PLAN AND PROFILE STA 3+75 TO STA 7+37



**UTILITY CONTACTS**

CITY OF GRESHAM DEVELOPMENT ENGINEERING KEN KOBLITZ	503-618-2628
ROCKWOOD WATER ANDY CROCKER	503-665-4179
CITY OF GRESHAM WATER DIVISION SILAS RICHARDSON	503-618-2990
CITY OF GRESHAM WASTEWATER DIVISION VANCE HARDY	503-618-2940
CITY OF GRESHAM STORMWATER DIVISION DAVID LASHBAUGH	503-618-2911
CITY OF GRESHAM TRANSPORTATION DIVISION RAE SORENSON	503-618-2919
PORTLAND GENERAL ELECTRIC	503-736-5450
NORTHWEST NATURAL GAS SCOTT PALMER	503-367-4984
VERIZON MIKE BRITEX	503-667-9781
COMCAST CABLE RICHARD MARONEY	503-813-0482
FRONTIER DAVID CARNLEY	503-707-2812
CENTURYLINK SCOTT MILLER	503-242-4144
ONE-CALL LOCATES	800-332-2344

**BENCHMARK**  
ELEVATION DATUM BASED ON A STANDARD CITY OF GRESHAM CONTROL MONUMENT, "3025" BEING A 2 INCH BRONZE DISK WITH A RAISED DATUM POINT (BERNTSEN MODEL CD2L), STAMPED "CITY OF GRESHAM CONTROL DO NOT DISTURB".  
LOCATED AT THE INTERSECTION OF SW PLEASANT VIEW DR AND SW HIGHLAND DR  
ELEVATION = 376.99 FEET NGVD29

**WATER SYSTEM INFORMATION:**  
INTERMEDIATE SERVICE LEVEL  
O.F.F. = 575 FEET  
SHEETS 3 - 7 (SW EASTWOOD AVE)  
STATIC PRESSURE = 90-107 PSI  
TEST PRESSURE = 160 PSI  
SHEET 8 (SW 20TH ST)  
STATIC PRESSURE = 60-65 PSI  
TEST PRESSURE = 150 PSI

CITY OF GRESHAM PUBLIC WORKS STANDARDS:  
ALL ELEMENTS IN THIS PROJECT SHALL MEET THE CITY OF GRESHAM PUBLIC WORKS STANDARDS.



Know what's **below**.  
**Call** before you dig.  
Dial 811 or 800-332-2344



DEPARTMENT OF ENVIRONMENTAL SERVICES  
1333 N.W. EASTMAN PARKWAY  
GRESHAM, OREGON 97030-3813  
503-618-2525

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PROJECT NAME: 2021 WATERLINE REPLACEMENT FOR LOCAL ST IMPROV. PHASE II	DATE: NOVEMBER 2020
SHEET NAME: COVER SHEET	PROJECT NO.: CIP NO. WT015
LOCATION: IN THE CITY OF GRESHAM	LEGAL
	SECTION TOWNSHIP RANGE
	17 1S 3E

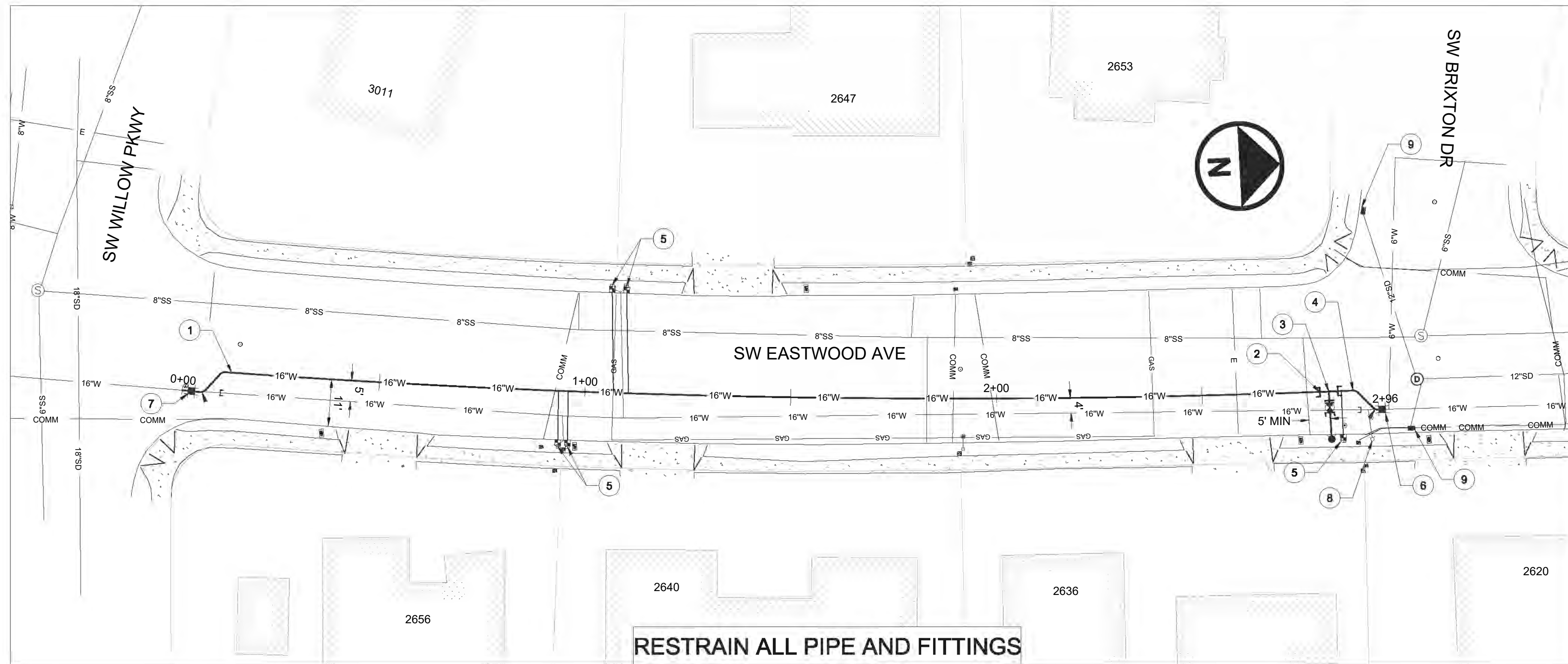
SCALE	VERT: 1"=4'	
	HORIZ: 1"=20'	
DATE: NOVEMBER 2020		
PROJECT NO.: CIP NO. WT015		
SECTION	TOWNSHIP	RANGE
17	1S	3E



DATE	NO.	REVISION	BY
DESIGNED: ARH	SHEET OF		
DRAWN: ARH	1		8
CHECKED: GA			
APPROVED: JB			







RESTRAIN ALL PIPE AND FITTINGS

PLAN  
HZ. SCALE 1" = 20'

INSTALLATION SCHEDULE

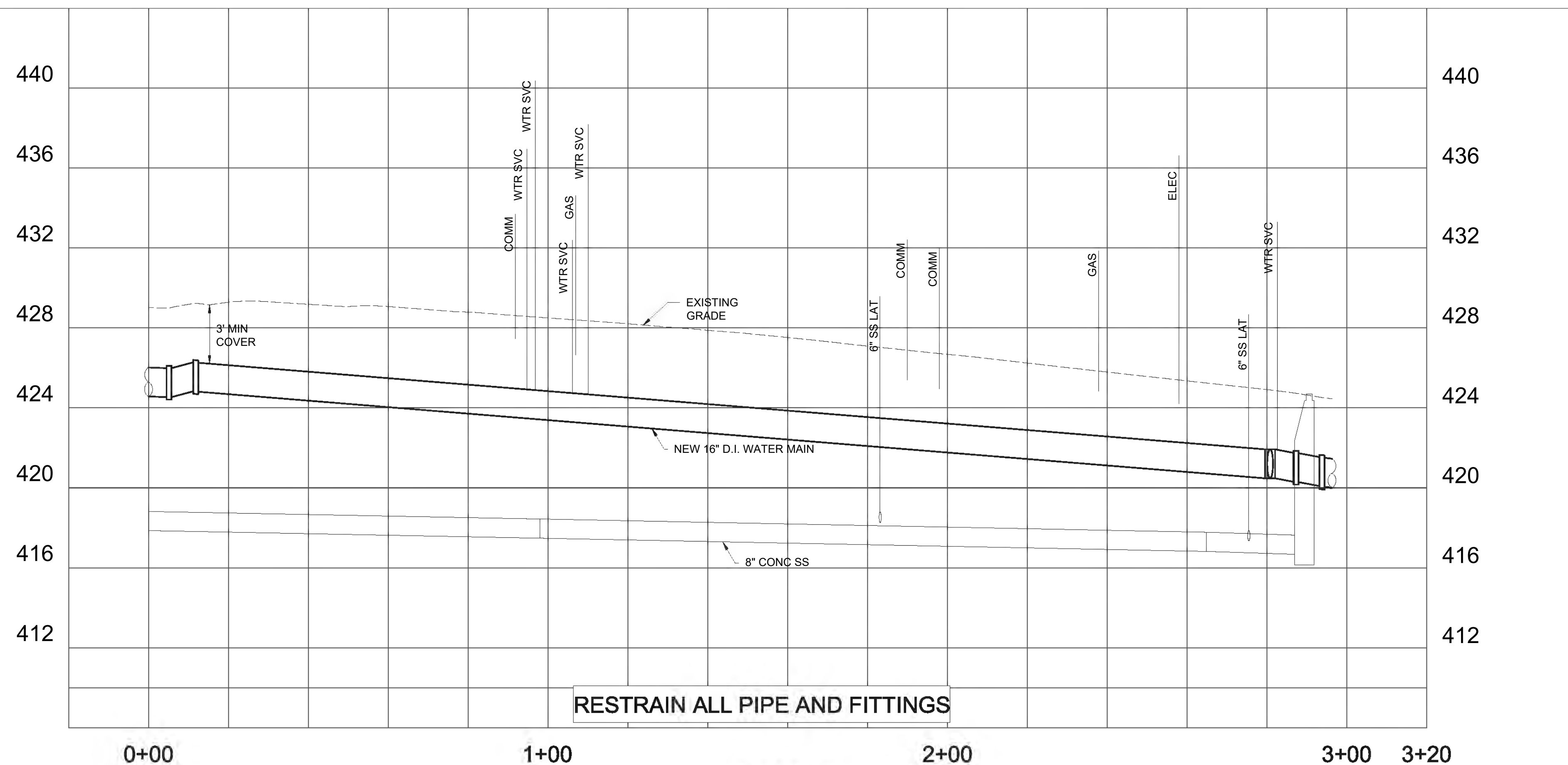
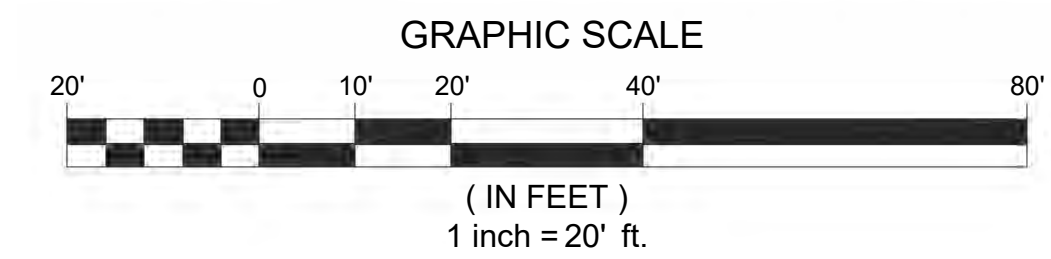
- 1 STA 0+10  
INSTALL 6" TEMPORARY BLOW-OFF ASSEMBLY PER STD DWG 506C. INSTALL NEW 16" D.I. WATER MAIN TO THE NORTH. BEGIN HORIZONTAL DEFLECTION.
- 2 STA 2+77  
END HORIZONTAL DEFLECTION.
- 3 STA 2+80  
INSTALL 16" x 6" MJ x FLG TEE. INSTALL FIRE HYDRANT ASSEMBLY PER STD DWG 501.
- 4 STA 2+87  
INSTALL 6" TEMPORARY BLOW-OFF ASSEMBLY PER STD DWG 506C. FLUSH, PRESSURE TEST, AND CHLORINATE NEWLY INSTALLED WATER MAIN.
- 5 STA 0+93  
STA 0+95  
STA 1+08  
STA 1+10  
STA 2+84  
AFTER TESTING AND ACCEPTANCE, INSTALL 1" WATER SERVICE PER STD DWG 502. CITY TO STAKE FINAL LOCATION AT TIME OF CONSTRUCTION.
- 6 STA 2+96  
AFTER TESTING AND ACCEPTANCE, REMOVE TEMPORARY BLOW-OFF ASSEMBLY OF NOTE 5. CUT, CAP, AND BRACE THE EXISTING 16" WATER MAIN TO THE SOUTH. CONNECT NEWLY INSTALLED WATER MAIN TO EXISTING WATER MAIN WITH: [2] 16" 45° MJ BENDS, [1] 16" MJ SLEEVE.
- 7 STA 0+00  
AFTER TESTING AND ACCEPTANCE, REMOVE TEMPORARY BLOW-OFF ASSEMBLY OF NOTE 1. CONNECT NEWLY INSTALLED WATER MAIN TO EXISTING WATER MAIN WITH: [2] 16" 45° MJ BENDS, [1] 16" MJ SLEEVE. AFTER ALL SERVICES HAVE BEEN TRANSFERRED, ABANDON THE EXISTING WATER MAIN TO THE SOUTH.
- 8 STA 2+93  
REMOVE EXISTING FIRE HYDRANT ASSEMBLY AND RETURN TO CITY.
- 9 INSTALL INLET PROTECTION PER SECTION EPSC-8A OF THE EPSC MANUAL.

NOTE: FOR TESTING USE 6" TEMPORARY BLOWOFF PER STD DWG 506C.

NOTE: USE 250 PSI RATED BUTTERFLY VALVE ASSEMBLIES.

SURFACE RESTORATION SCHEDULE:

TEMPORARY ASPHALT ONLY. FINAL SURFACE RESTORATION BY SEPARATE CONTRACT



RESTRAIN ALL PIPE AND FITTINGS

PROFILE  
HZ. SCALE 1" = 20' VT. SCALE 1" = 4'

DATE	NO.	REVISION	BY



SCALE	VERT: 1"=4'	1"=20'
DATE:	NOVEMBER 2020	
PROJECT NO.:	CIP NO. WT015	
SECTION	LEGAL	TOWNSHIP
17	1S	3E

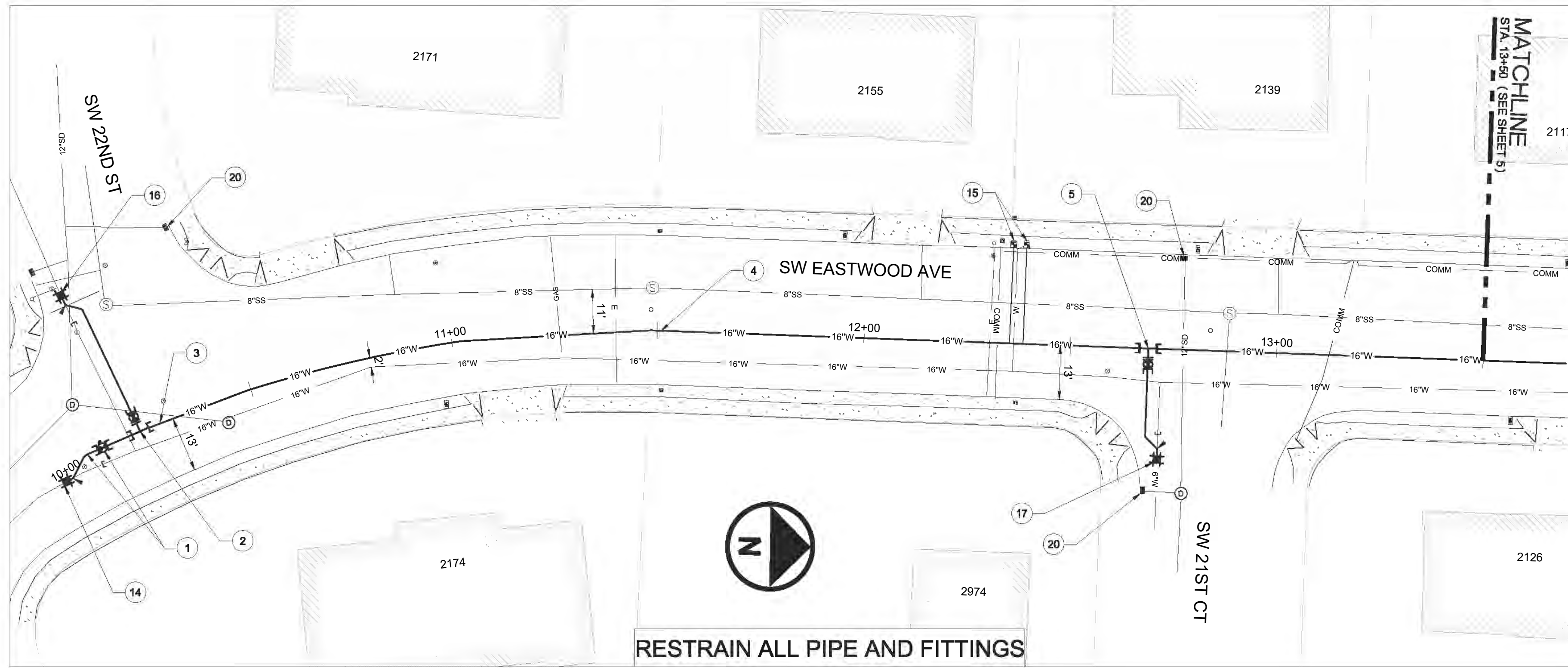
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 PROJECT NAME: 2021 WATERLINE REPLACEMENT FOR LOCAL ST IMPROV. PHASE II  
 SHEET NAME: SW EASTWOOD AVE (S) PLAN AND PROFILE 1  
 LOCATION: IN THE CITY OF GRESHAM

DEPARTMENT OF ENVIRONMENTAL SERVICES  
 1333 N.W. EASTMAN PARKWAY  
 GRESHAM, OREGON 97030-3813  
 503-618-2525



FILENAME: \\des\water\pip\015 local street reconstruction coordination\2021\phase 2\eastwood\eastwood\_s.dwg, Plotted: 12/17/2020 10:58 AM, By: Al Hagg, ANSI FULL BLEED D (34.00 X 22.00 INCHES)



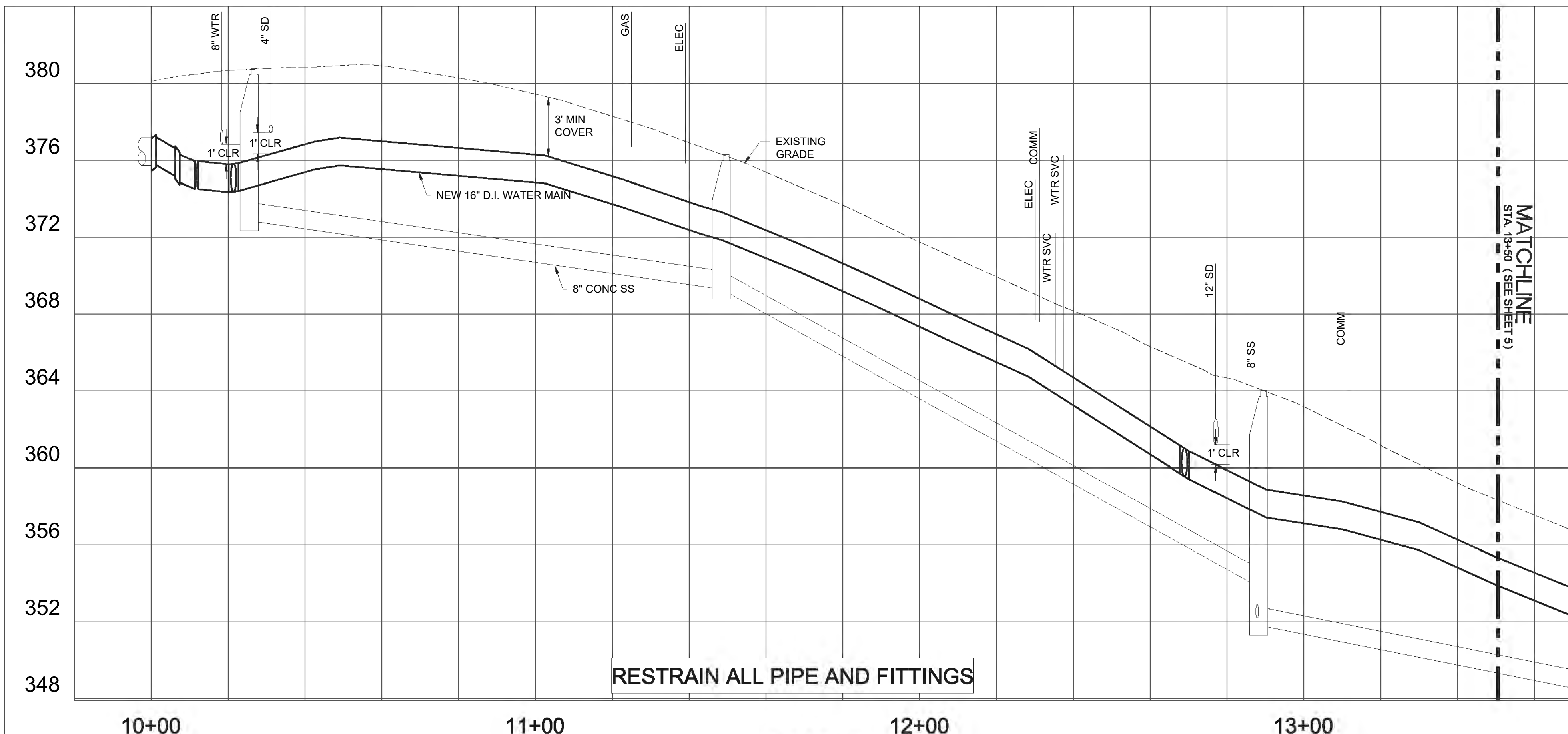


PLAN  
HZ. SCALE 1" = 20'

**INSTALLATION SCHEDULE**

- 1 STA 10+10  
INSTALL 6" TEMPORARY BLOW-OFF ASSEMBLY PER STD DWG 506C. ENSURE ADEQUATE OPERATIONAL SPACE BETWEEN VALVE AND BLOW-OFF ASSEMBLY. INSTALL 6" D.I. WATER MAIN TO THE NORTH.
- 2 STA 10+20  
INSTALL 16" x 8" MJ x FLG TEE, 8" MJ x FLG GATE VALVE (W).
- 3 STA 10+22  
BEGIN HORIZONTAL DEFLECTION.
- 4 STA 11+50  
END HORIZONTAL DEFLECTION.
- 5 STA 12+66  
INSTALL 16" x 6" MJ x FLG TEE, 6" MJ x FLG GATE VALVE (E). INSTALL TEMPORARY BLOW-OFF ASSEMBLY PER STD DWG 506C.
- 14 STA 10+00  
AFTER TESTING AND APPROVAL, REMOVE THE TEMPORARY BLOW-OFF ASSEMBLY OF NOTE 1. CUT, CAP AND BRACE THE EXISTING WATER MAIN TO THE NORTH. CONNECT NEWLY INSTALLED WATER MAIN TO EXISTING WATER MAIN WITH: [2] 16" 45° MJ BENDS, [1] 16" MJ SLEEVE.
- 15 STA 12+34  
AFTER TESTING AND ACCEPTANCE, INSTALL 1" WATER SERVICE PER STD DWG 502. CITY TO STAKE FINAL LOCATION AT TIME OF CONSTRUCTION.
- 16 STA 10+20  
AFTER TESTING AND ACCEPTANCE, CUT, CAP AND BRACE THE EXISTING WATER MAIN TO THE EAST. REMOVE THE TEMPORARY BLOW-OFF ASSEMBLY OF NOTE 2 AND CONNECT NEWLY INSTALLED WATER MAIN TO EXISTING WATER MAIN WITH: [2] 8" 45° MJ BENDS, [1] 8" MJ SLEEVE, ± 45 LF 8" D.I. PIPE.
- 17 STA 12+66  
AFTER TESTING AND ACCEPTANCE, CUT, CAP AND BRACE THE EXISTING WATER MAIN TO THE WEST. REMOVE THE TEMPORARY BLOW-OFF ASSEMBLY OF NOTE 5 AND CONNECT NEWLY INSTALLED WATER MAIN TO EXISTING WATER MAIN WITH: [2] 6" 45° MJ BENDS, [1] 6" MJ SLEEVE, ± 30 LF 6" D.I. PIPE.
- 20 INSTALL INLET PROTECTION PER SECTION EPSC-8A OF THE EPSC MANUAL.

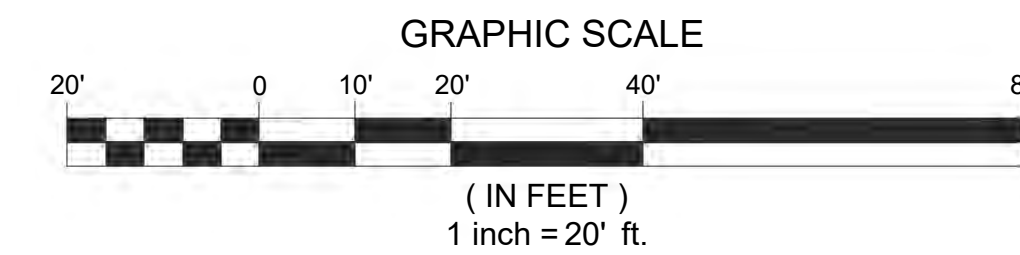
NOTE: USE 250 PSI RATED BUTTERFLY VALVE ASSEMBLIES.



PROFILE  
HZ. SCALE 1" = 20' VT. SCALE 1" = 4'

**SURFACE RESTORATION SCHEDULE:**

TEMPORARY ASPHALT ONLY. FINAL SURFACE RESTORATION BY SEPARATE CONTRACT



DATE	NO.	REVISION	BY



SCALE	1"=4'	1"=20'
DATE	NOVEMBER 2020	
PROJECT NO.	CIP NO. WT015	
SECTION	LEGAL	TOWNSHIP
	17	1S
RANGE	3E	

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 PROJECT NAME: 2021 WATERLINE REPLACEMENT FOR LOCAL ST IMPROV. PHASE II  
 SHEET NAME: SW EASTWOOD AVE (N) PLAN AND PROFILE 1  
 LOCATION: IN THE CITY OF GRESHAM

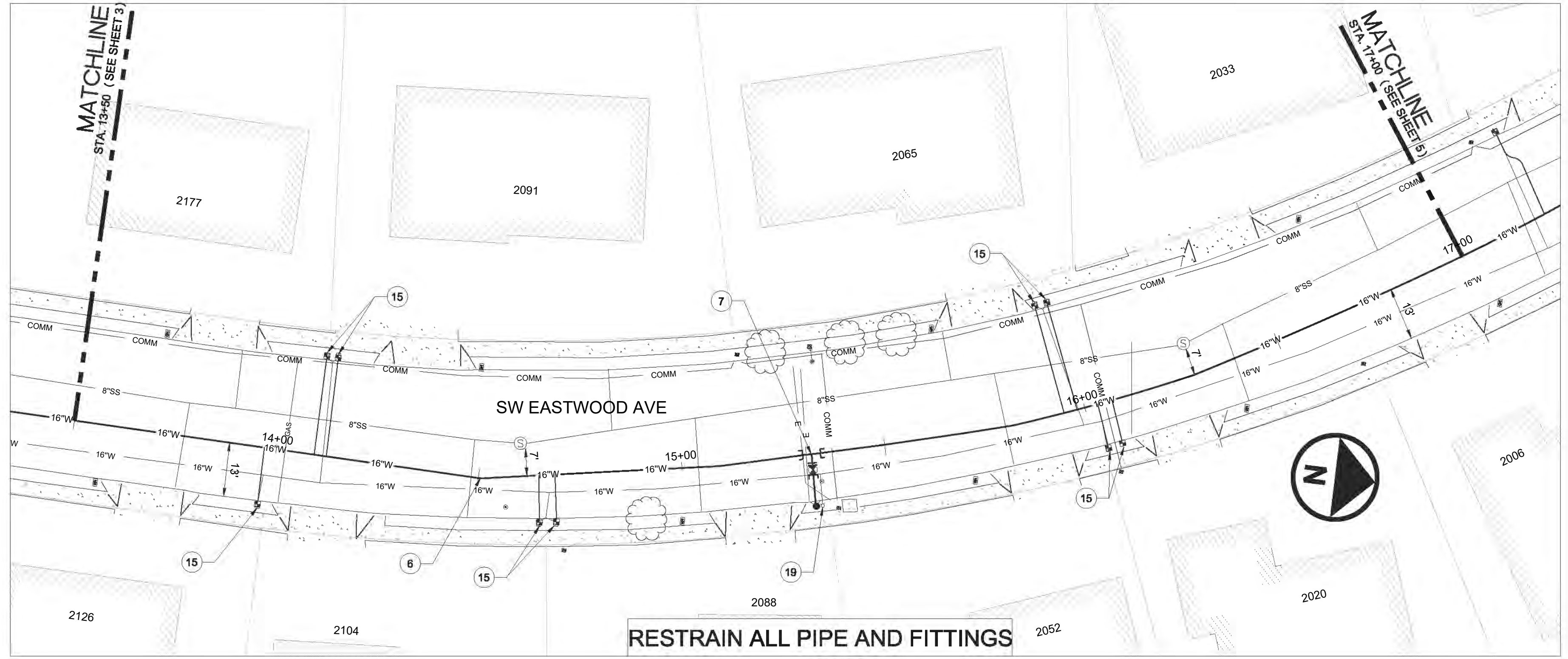
DEPARTMENT OF ENVIRONMENTAL SERVICES  
 1333 N.W. EASTMAN PARKWAY  
 GRESHAM, OREGON 97030-3813  
 503-618-2525



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**RESTRAIN ALL PIPE AND FITTINGS**

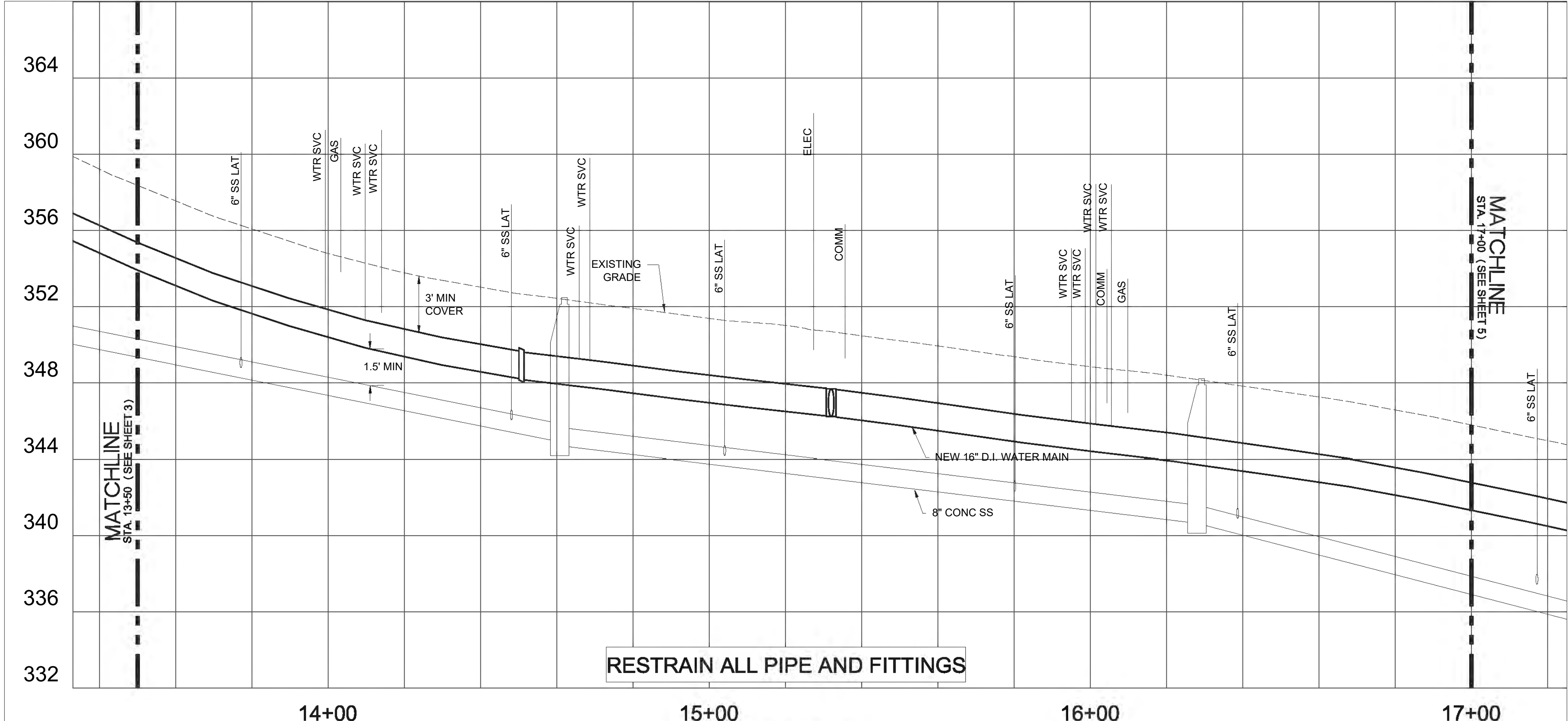
**PLAN**  
HZ. SCALE 1" = 20'

**INSTALLATION SCHEDULE**

- 6 STA 14+51  
INSTALL [1] 16" 11.25° MJ BEND.
- 7 STA 15+32  
INSTALL 16" x 6" MJ x FLG TEE. INSTALL FIRE HYDRANT ASSEMBLY PER STD DWG 501. BEGIN HORIZONTAL DEFLECTION TO NORTH.
- 15 STA 13+97  
STA 14+09  
STA 14+12  
STA 14+65  
STA 14+69  
STA 15+94  
STA 15+98  
STA 16+04  
STA 16+07  
AFTER TESTING AND ACCEPTANCE, INSTALL 1" WATER SERVICE PER STD DWG 502. CITY TO STAKE FINAL LOCATION AT TIME OF CONSTRUCTION.
- 19 STA 15+34  
REMOVE EXISTING FIRE HYDRANT ASSEMBLY AND RETURN TO CITY.

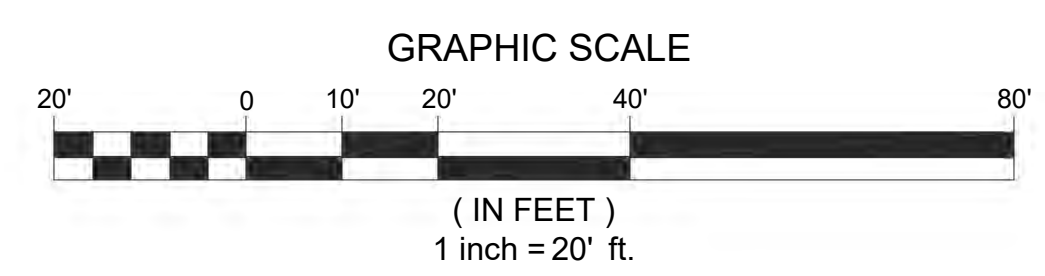
**SURFACE RESTORATION SCHEDULE:**

TEMPORARY ASPHALT ONLY. FINAL SURFACE RESTORATION BY SEPARATE CONTRACT



**RESTRAIN ALL PIPE AND FITTINGS**

**PROFILE**  
HZ. SCALE 1" = 20' VT. SCALE 1" = 4'



DATE	NO.	REVISION	BY

DESIGNED: ARH  
DRAWN: ARH  
CHECKED: GA  
APPROVED: JB

WINDY DESIGN  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF OREGON  
NO. 96370  
WINDY DESIGN  
WENDY J. WINDY  
EXPIRES: 12/31/2024

SCALE	1"=4'	1"=20'
DATE	NOVEMBER 2020	
PROJECT NO.	CIP NO. WT015	
SECTION	LEGAL	TOWNSHIP
	17	1S
RANGE	3E	

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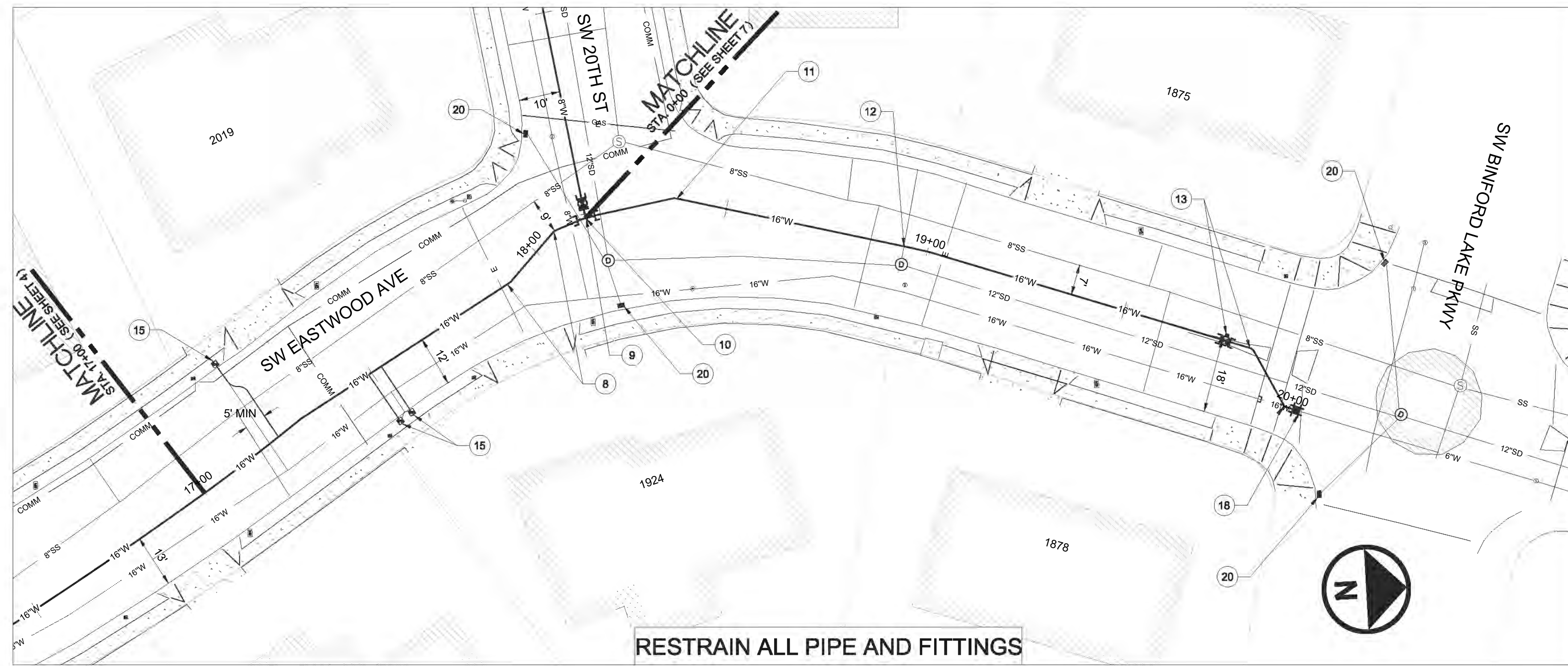
PROJECT NAME: 2021 WATERLINE REPLACEMENT FOR LOCAL ST IMPROV. PHASE II  
SHEET NAME: SW EASTWOOD AVE (N) PLAN AND PROFILE 2  
LOCATION:  
IN THE CITY OF GRESHAM

DEPARTMENT OF ENVIRONMENTAL SERVICES  
1333 N.W. EASTMAN PARKWAY  
GRESHAM, OREGON 97030-3813  
503-618-2525





FILENAME: \\des\water\pip\015 local street reconstruction coordination\2021\phase 2\eastwood\eastwood.n.dwg, Plotted: 12/17/2020 10:58 AM, By: Al Hagg, ANS FULL BLEED D (34.00 X 22.00 INCHES)



RESTRAIN ALL PIPE AND FITTINGS

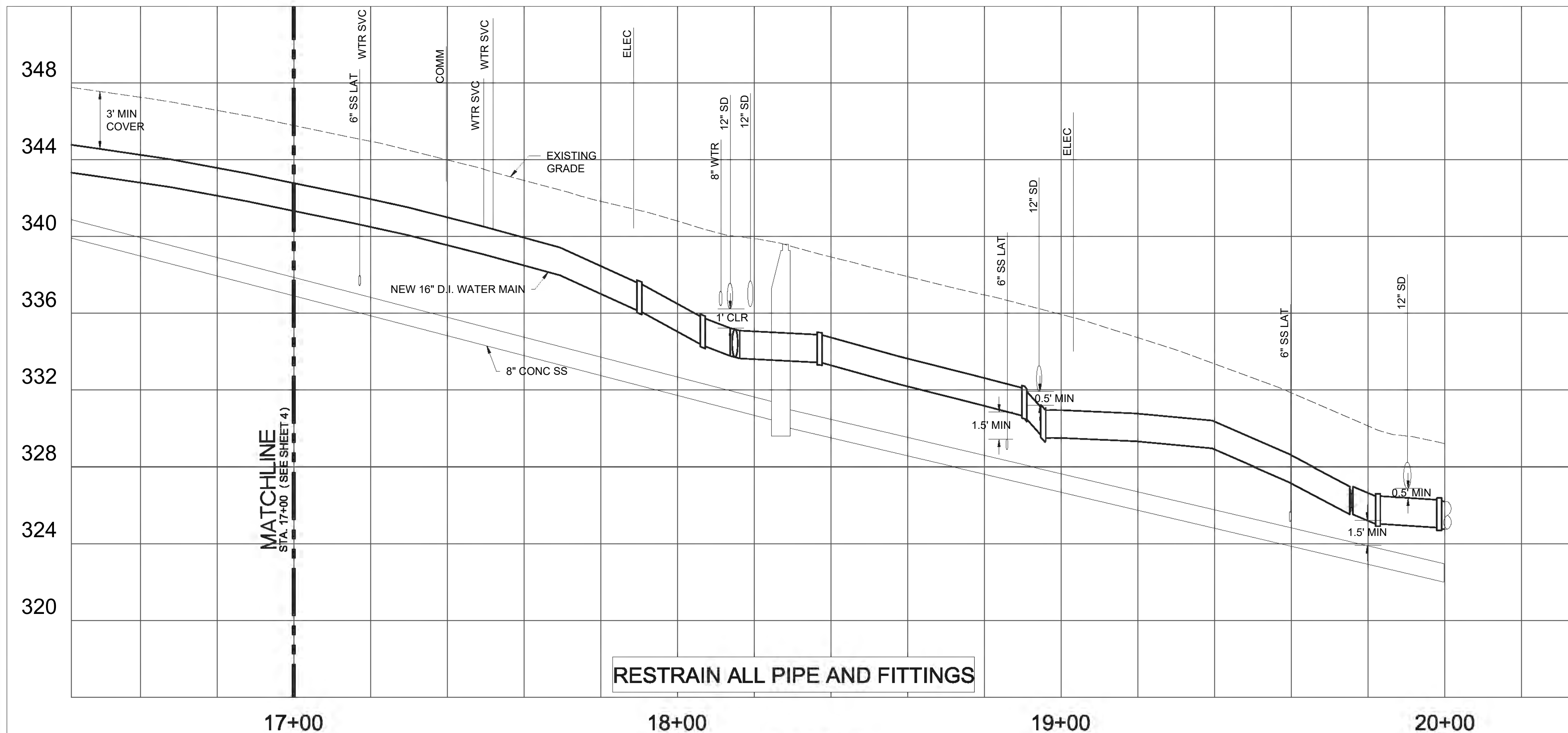
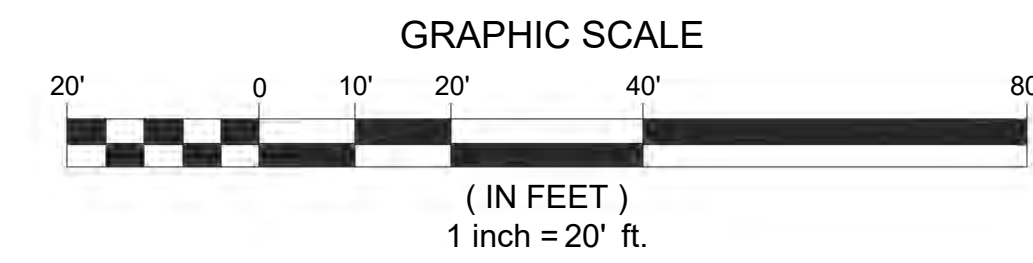
PLAN  
HZ. SCALE 1" = 20'

**INSTALLATION SCHEDULE**

- 8 STA 17+90  
END HORIZONTAL DEFLECTION. INSTALL [2] 16" 22.5° MJ BENDS.
  - 9 STA 18+14  
INSTALL 16" x 8" MJ x FLG TEE, 8" MJ x FLG GATE VALVE (W) . INSTALL TEMPORARY BLOW-OFF ASSEMBLY PER STD DWG 506C.
  - 10 STA 18+14 OF SW EASTWOOD N ALIGNMENT IS STA 0+00 OF SW 20TH ALIGNMENT.
  - 11 STA 18+37  
INSTALL 16" x 22.5° MJ BEND.
  - 12 STA 18+95  
USE CDF AS BACKFILL BETWEEN PROPOSED WATER MAIN AND EXISTING STORM DRAIN. INSTALL [2] 16" 11.25° MJ VERTICAL BENDS.
  - 13 STA 19+75  
INSTALL 16" MJ BUTTERFLY VALVE. INSTALL 6" TEMPORARY BLOW-OFF ASSEMBLY PER STD DWG 506C. ENSURE ADEQUATE OPERATIONAL SPACE BETWEEN VALVE AND BLOW-OFF ASSEMBLY. FLUSH, PRESSURE TEST, AND CHLORINATE NEWLY INSTALLED WATER MAIN.
  - 15 STA 17+20  
STA 17+49  
STA 17+52  
AFTER TESTING AND ACCEPTANCE, INSTALL 1" WATER SERVICE PER STD DWG 502. CITY TO STAKE FINAL LOCATION AT TIME OF CONSTRUCTION.
  - 18 STA 20+00  
AFTER TESTING AND ACCEPTANCE, REMOVE THE TEMPORARY BLOW-OFF ASSEMBLY OF NOTE 12. CUT, CAP AND BRACE THE EXISTING WATER MAIN TO THE SOUTH. CONNECT NEWLY INSTALLED WATER MAIN TO EXISTING WATER MAIN WITH: [2] 16" 45° MJ BENDS, [1] 16" MJ SLEEVE. USE CDF AS BACKFILL BETWEEN PROPOSED WATER MAIN AND EXISTING STORM DRAIN.
  - 20 INSTALL INLET PROTECTION PER SECTION EPSC-8A OF THE EPSC MANUAL.
- NOTE: FOR TESTING USE 6" TEMPORARY BLOWOFF PER STD DWG 506C.  
NOTE: USE 250 PSI RATED BUTTERFLY VALVE ASSEMBLIES.

**SURFACE RESTORATION SCHEDULE:**

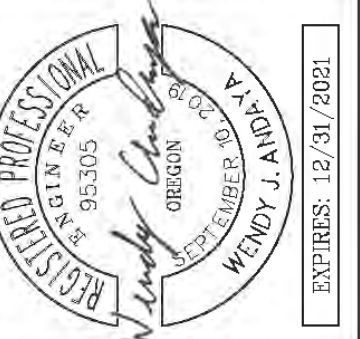
TEMPORARY ASPHALT ONLY. FINAL SURFACE RESTORATION BY SEPARATE CONTRACT



RESTRAIN ALL PIPE AND FITTINGS

PROFILE  
HZ. SCALE 1" = 20' VT. SCALE 1" = 4'

DATE	NO.	REVISION	BY



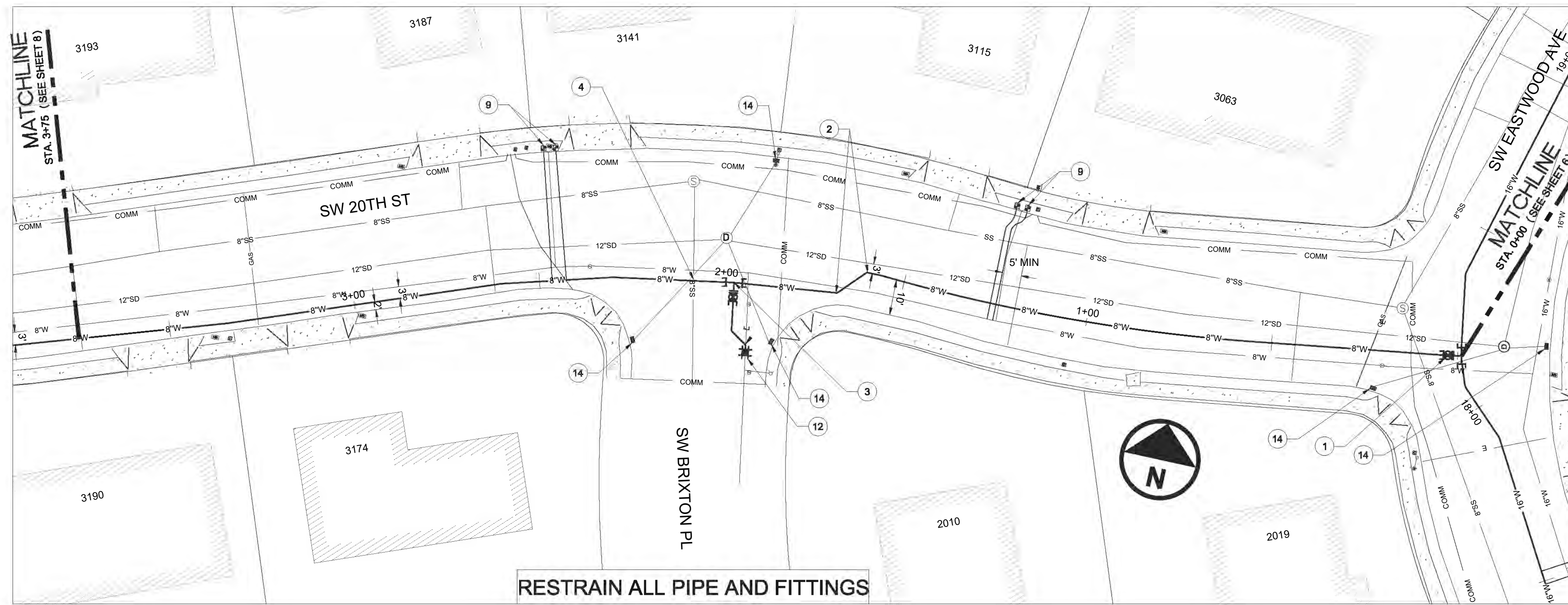
SCALE	1"=4'	1"=20'
DATE	NOVEMBER 2020	
PROJECT NO.	CIP NO. WT015	
SECTION	LEGAL	TOWNSHIP
	17	1S
RANGE		3E

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PROJECT NAME: 2021 WATERLINE REPLACEMENT FOR LOCAL ST IMPROV. PHASE II  
SHEET NAME: SW EASTWOOD AVE (N) PLAN AND PROFILE 3  
LOCATION: IN THE CITY OF GRESHAM

DEPARTMENT OF ENVIRONMENTAL SERVICES  
1333 N.W. EASTMAN PARKWAY  
GRESHAM, OREGON 97030-3813  
503-618-2525







RESTRAIN ALL PIPE AND FITTINGS

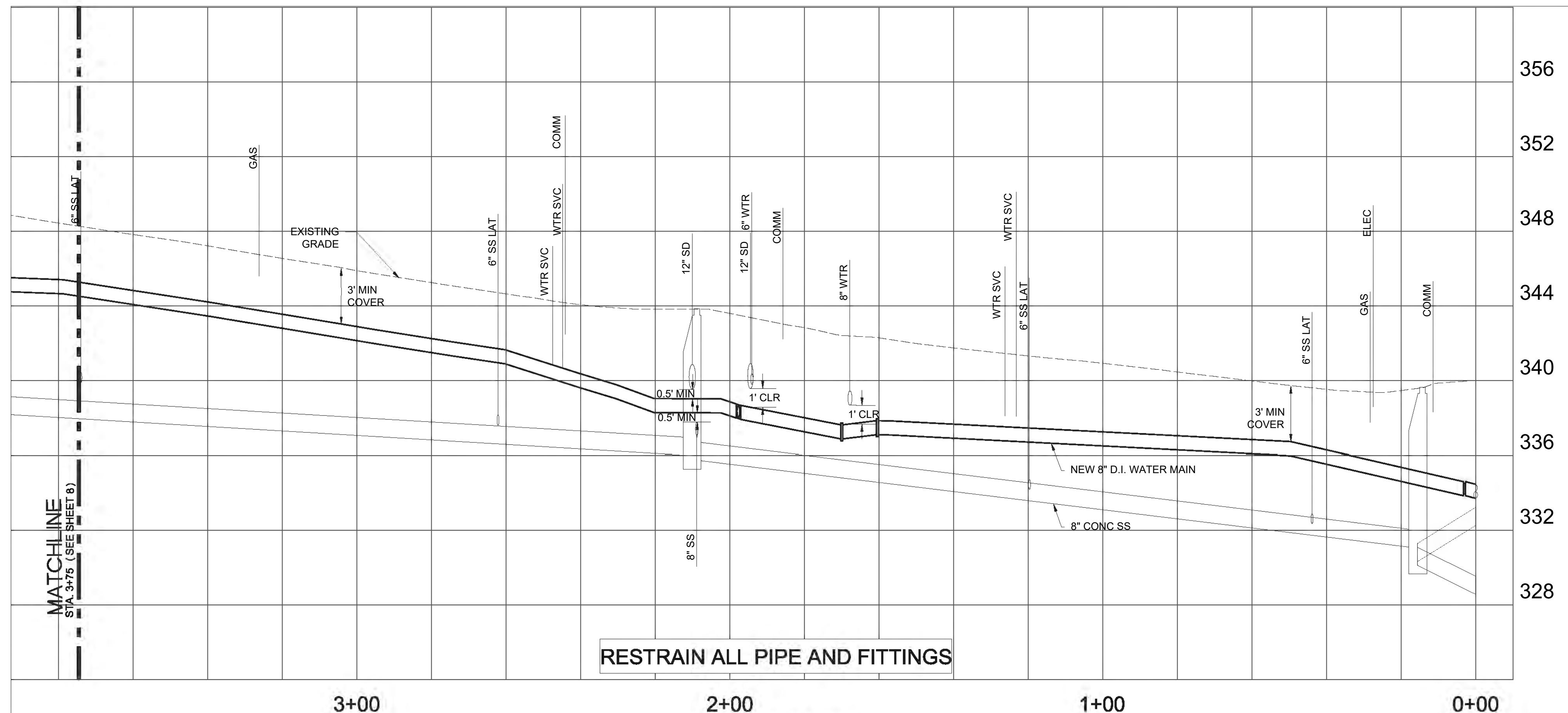
PLAN  
HZ. SCALE 1" = 20'

INSTALLATION SCHEDULE

- 1 STA 0+02  
STA 0+00 OF SW 20TH ALIGNMENT IS STA 18+14 OF SW EASTWOOD N ALIGNMENT. REMOVE TEMPORARY BLOW-OFF ASSEMBLY OF NOTE 9, SHEET 6. INSTALL 8" DI WATER MAIN WEST FROM GATE VALVE OF NOTE 9, SHEET 6. BEGIN HORIZONTAL DEFLECTION.
- 2 STA 1+60  
STA 1+70  
INSTALL 8" 45° MJ BEND.
- 3 STA 1+98  
INSTALL 8" x 6" MJ x FLG TEE, 6" MJ x FLG GATE VALVE (S). INSTALL TEMPORARY BLOW-OFF ASSEMBLY PER STD DWG 506C.
- 4 STA 2+09  
LINE EXISTING SANITARY MAIN IN 10' BOTH DIRECTIONS FROM THE NEWLY INSTALLED WATER MAIN CROSSING (BY OTHERS). WATER MAIN CANNOT BE MADE LIVE UNTIL SANITARY MAIN LINING IS COMPLETE. CENTER PROPOSED WATER MAIN STICK OVER EXISTING SANITARY LINE. USE CDF AS BACKFILL BETWEEN PROPOSED WATER MAIN AND EXISTING STORM DRAIN AND SANITARY MAIN CROSSING.
- 9 STA 1+22  
STA 1+26  
STA 2+44  
STA 2+47  
AFTER TESTING AND ACCEPTANCE, INSTALL 1" WATER SERVICE PER STD DWG 502. CITY TO STAKE FINAL LOCATION AT TIME OF CONSTRUCTION.
- 12 STA 1+98  
AFTER TESTING AND ACCEPTANCE, REMOVE TEMPORARY BLOW-OFF ASSEMBLY OF NOTE 3. CONNECT NEWLY INSTALLED WATER MAIN TO EXISTING WATER MAIN WITH: [2] 6" 45° MJ BENDS, [1] 6" MJ SLEEVE, ± 25 LF 6" D.I. PIPE.
- 13 AFTER ALL IN USE WATER SERVICES HAVE BEEN TRANSFERRE, ABANDON THE EXISTING WATER MAINS IN SW 20TH STREET AND SW EASTWOOD AVENUE.
- 14 INSTALL INLET PROTECTION PER SECTION EPSC-8A OF THE EPSC MANUAL.

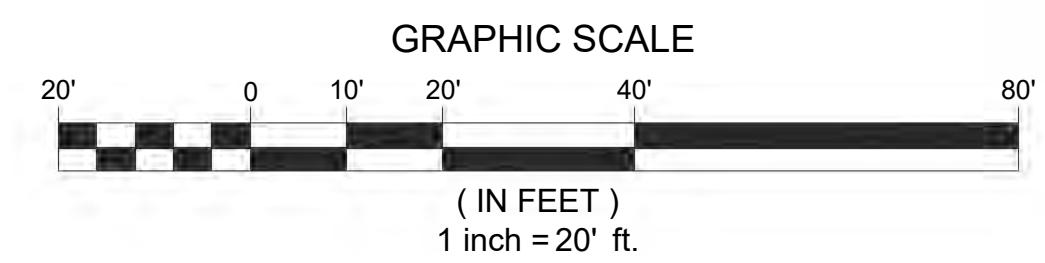
SURFACE RESTORATION SCHEDULE:

TEMPORARY ASPHALT ONLY. FINAL SURFACE RESTORATION BY SEPARATE CONTRACT



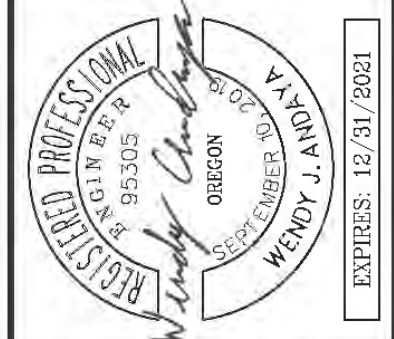
RESTRAIN ALL PIPE AND FITTINGS

PROFILE  
HZ. SCALE 1" = 20' VT. SCALE 1" = 4'



FILENAME: \\des\water\pip\015 local street reconstruction\2021\phase 2\01h\20th.dwg, Plotted 12/17/2020 10:56 AM, By: Al Habib, ANSII FULL BLEED D (34.00 X 22.00 INCHES)

DATE	NO.	REVISION	BY



SCALE	1"=4'	1"=20'
DATE	NOVEMBER 2020	
PROJECT NO.	CIP NO. WT015	
SECTION	LEGAL	TOWNSHIP
	17	1S
RANGE	3E	

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PROJECT NAME: 2021 WATERLINE REPLACEMENT FOR LOCAL ST IMPROV. PHASE II

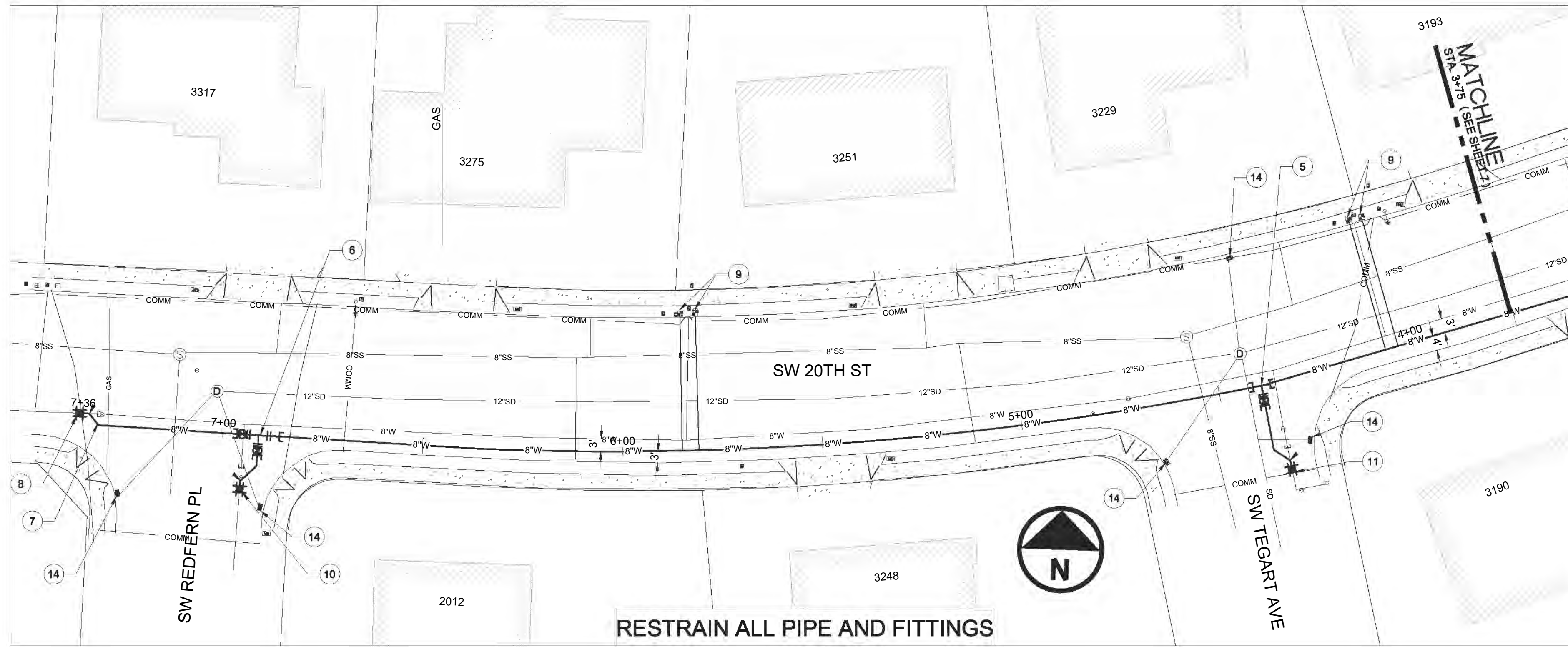
SHEET NAME: SW 20TH ST PLAN AND PROFILE 1

LOCATION: IN THE CITY OF GRESHAM

DEPARTMENT OF ENVIRONMENTAL SERVICES  
1333 N.W. EASTMAN PARKWAY  
GRESHAM, OREGON 97030-3813  
503-618-2525







RESTRAIN ALL PIPE AND FITTINGS

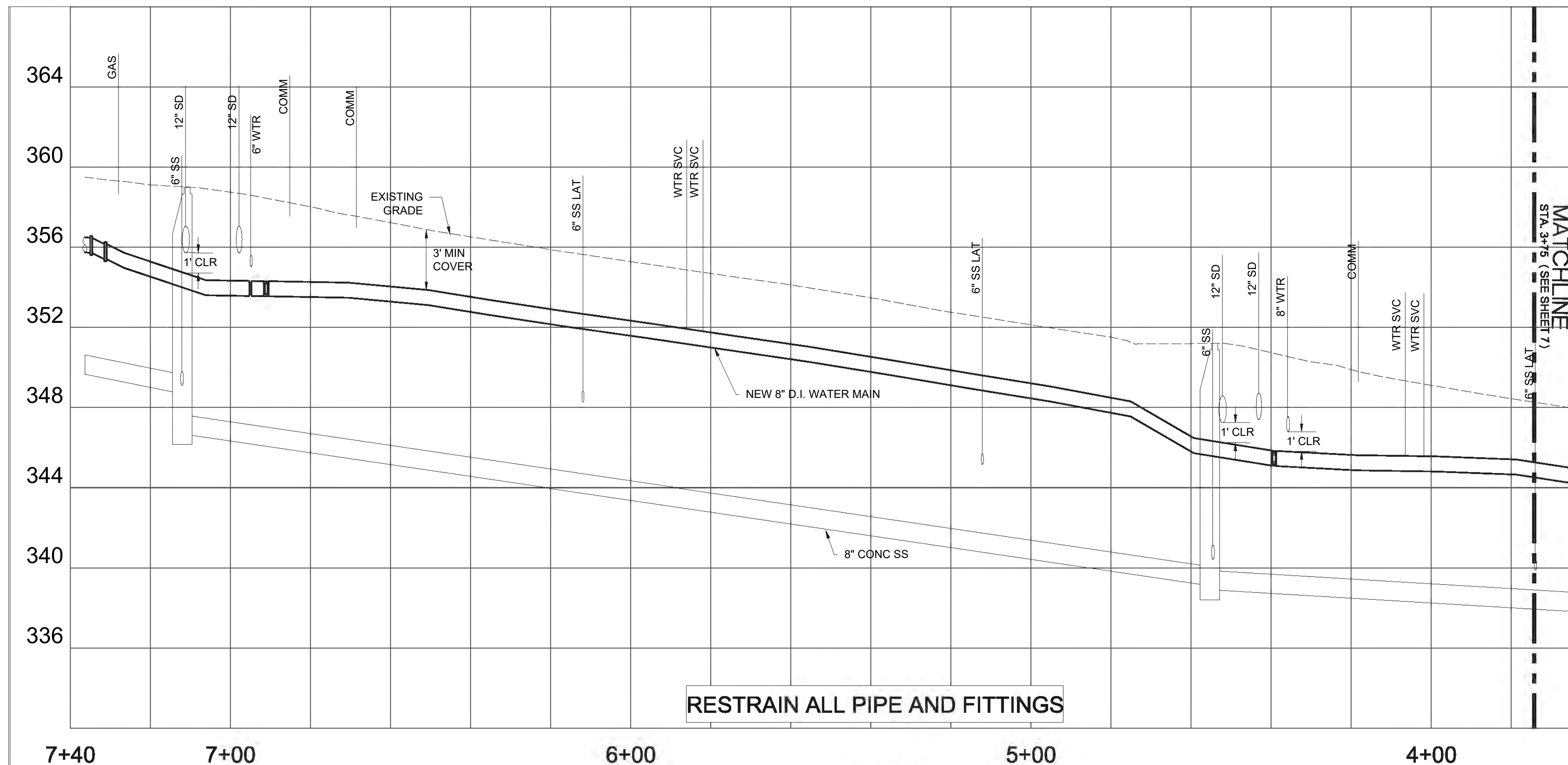
PLAN  
HZ. SCALE 1" = 20'

INSTALLATION SCHEDULE

- 5 STA 4+40  
INSTALL 8" x 8" MJ x FLG TEE, 8" MJ x FLG GATE VALVE (S) . INSTALL TEMPORARY BLOW-OFF ASSEMBLY PER STD DWG 506C.
- 6 STA 6+92  
INSTALL 8" x 6" FLG TEE, [1] 8" MJ x FLG ADAPTOR (E) , 8" MJ x FLG GATE VALVE (W) , 6" MJ x FLG GATE VALVE (S) . INSTALL TEMPORARY BLOW-OFF ASSEMBLY PER STD DWG 506C.
- 7 STA 7+32  
END HORIZONTAL DEFLECTION. INSTALL TEMPORARY BLOW-OFF ASSEMBLY PER STD DWG 506C. FLUSH, PRESSURE TEST, AND CHLORINATE THE NEWLY INSTALLED WATER MAIN.
- 8 STA 7+37  
AFTER TESTING AND ACCEPTANCE, CUT, CAP AND BRACE EXISTING WATER MAIN TO THE EAST. REMOVE TEMPORARY BLOW-OFF ASSEMBLY OF NOTE 7 AND CONNECT NEWLY INSTALLED WATER MAIN TO EXISTING WATER MAIN WITH: [2] 8" 45° MJ BENDS, [1] 8" MJ SLEEVE.
- 9 STA 4+05  
STA 4+08  
STA 5+82  
STA 5+85  
AFTER TESTING AND ACCEPTANCE, INSTALL 1" WATER SERVICE PER STD DWG 502. CITY TO STAKE FINAL LOCATION AT TIME OF CONSTRUCTION.
- 10 STA 6+92  
AFTER TESTING AND ACCEPTANCE, REMOVE TEMPORARY BLOW-OFF ASSEMBLY OF NOTE 6. CUT, CAP AND BRACE THE EXISTING WATER MAIN TO THE NORTH. CONNECT NEWLY INSTALLED WATER MAIN TO EXISTING WATER MAIN WITH: [2] 8" 45° MJ BENDS, [1] 8" MJ SLEEVE, ± 30 LF 6" D.I. PIPE.
- 11 STA 4+40  
AFTER TESTING AND ACCEPTANCE, REMOVE TEMPORARY BLOW-OFF ASSEMBLY OF NOTE 5. CUT, CAP AND BRACE THE EXISTING WATER MAIN TO THE NORTH. CONNECT NEWLY INSTALLED WATER MAIN TO EXISTING WATER MAIN WITH: [2] 8" 45° MJ BENDS, [1] 8" MJ SLEEVE, ± 30 LF 6" D.I. PIPE.
- 14 INSTALL INLET PROTECTION PER SECTION EPSC-8A OF THE EPSC MANUAL.

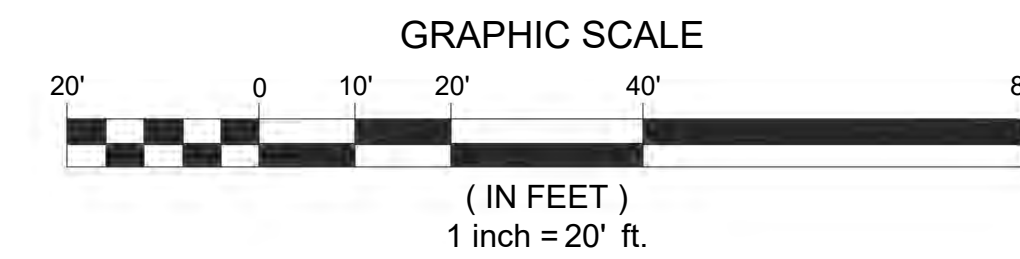
SURFACE RESTORATION SCHEDULE:

TEMPORARY ASPHALT ONLY. FINAL SURFACE RESTORATION BY SEPARATE CONTRACT

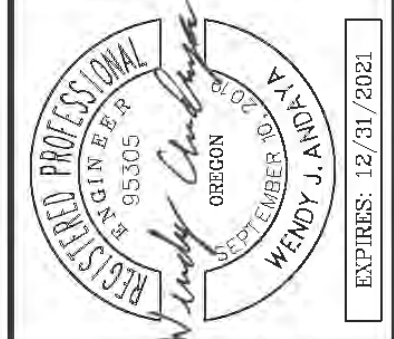


RESTRAIN ALL PIPE AND FITTINGS

PROFILE  
HZ. SCALE 1" = 20' VT. SCALE 1" = 4'



DATE	NO.	REVISION	BY



SCALE	1"=4'	1"=20'
DATE	NOVEMBER 2020	
PROJECT NO.	CIP NO. WT015	
SECTION	LEGAL	TOWNSHIP
	17	1S
RANGE	3E	

The information shown was prepared for use by the City of Gresham and for no other purpose. The City of Gresham shall not be responsible for any errors or omissions caused by others. All information MUST BE FIELD VERIFIED to substantiate its validity.  
 PROJECT NAME: 2021 WATERLINE REPLACEMENT FOR LOCAL ST IMPROV. PHASE II  
 SHEET NAME: SW 20TH ST PLAN AND PROFILE 2  
 LOCATION: IN THE CITY OF GRESHAM

DEPARTMENT OF ENVIRONMENTAL SERVICES  
 1333 N.W. EASTMAN PARKWAY  
 GRESHAM, OREGON 97030-3813  
 503-618-2525



FILENAME: \\sdes\water\pip\015 local street reconstruction coordination\2021\phase 2\01h\20th.dwg, Plotted 12/17/2020 10:55 AM, By: Al Habibi, ANSII FULL BLEED D (34.00 X 22.00 INCHES)