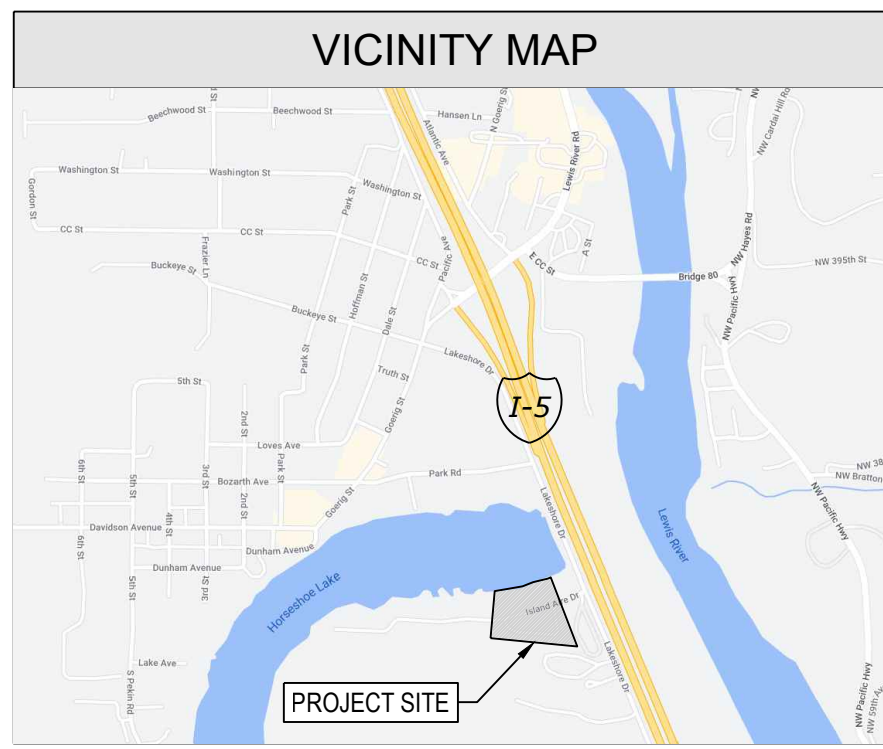


SW 1/4, NW 1/4, SECTION 39, TOWNSHIP 15 N, RANGE 01 E, W.M.

# 296 ISLAND AIRE DR HORSESHOE LAKE COMMUNITY SEWER EXTENSION PARCEL #64515034



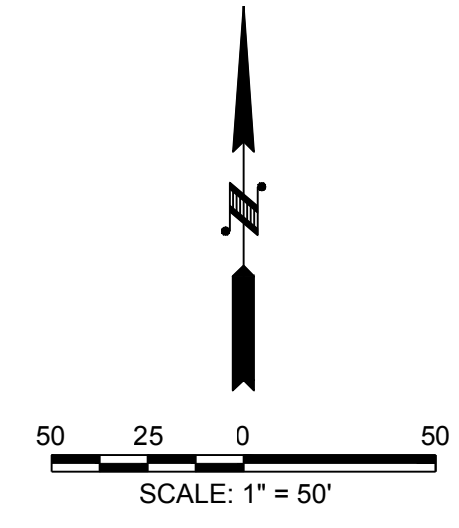
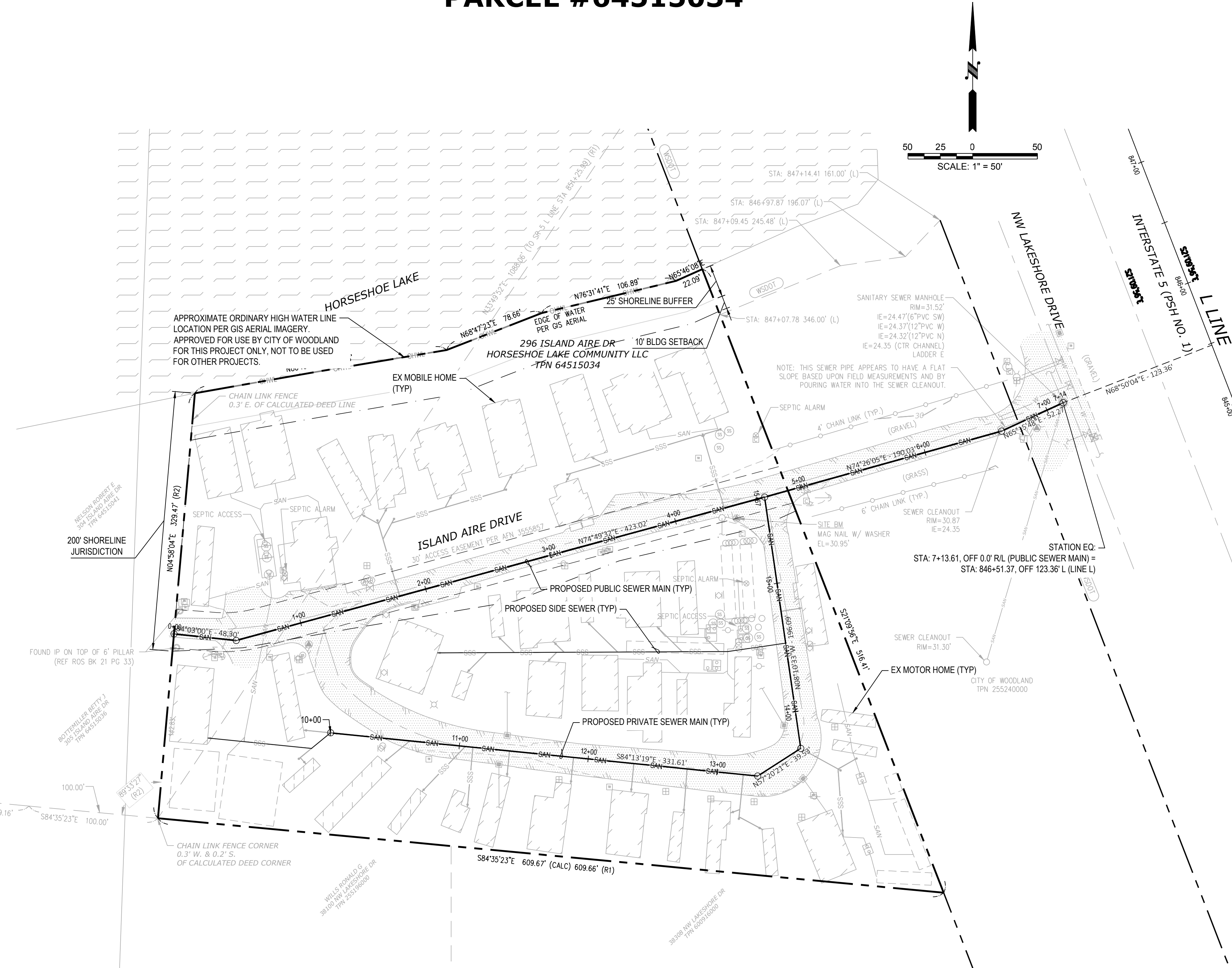
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1-800-424-5555



CIVIL ABBREVIATIONS	
BSBL	BUILDING SETBACK LINE
CB	CATCH BASIN
CO	CLEAN OUT
CONC	CONCRETE
DI	DUCTILE IRON
FH	FIRE HYDRANT
HP	HIGH POINT
LP	LOW POINT
MH	MANHOLE
PVC	POLYVINYLCHLORIDE
REQ'D	REQUIRED
RPBA	REDUCED PRESSURE BACKFLOW PREVENTOR
SD	STORM DRAIN
SDCO	STORM DRAIN CLEAN OUT
SDMH	STORM DRAIN MANHOLE
SS	SANITARY SEWER
SSCO	SANITARY SEWER CLEAN OUT
SSFM	SANITARY SEWER FORCE MAIN
USC	SANITARY SEWER MANHOLE
UBC	UNIFORM BUILDING CODE
WM	WATER METER
XFMR	TRANSFORMER
WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION

**EXISTING SEPTIC CONNECTION NOTE**

THE LOCATIONS OF EXISTING SEPTIC CONNECTIONS SHOWN ON THESE PLANS ARE BASED OFF OF AVAILABLE AS-BUILT RECORDS. IF NO AS-BUILT WAS AVAILABLE, AN ASSUMED LOCATION WAS PROVIDED FOR BASIS OF DESIGN. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD LOCATE ALL EXISTING SEWER LATERALS (FOR EACH MOBILE HOME/RV UNIT) AND SEPTIC LOCATIONS. ANY DISCREPANCY BETWEEN THE LOCATION SHOWN ON THESE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE IMMEDIATELY COMMUNICATED TO THE ENGINEER FOR RESOLUTION.



**UTILITY NOTE**

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES THAT HAPPEN DUE TO THE CONTRACTOR'S FAILURE TO LOCATE EXACTLY AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. BEYLER CONSULTING ASSUMES NO LIABILITY FOR THE LOCATION OF UNDERGROUND UTILITIES.

**FLOODPLAIN NOTE**

BASE FLOOD ELEVATION PER FEMA FLOODPLAIN MAP, PANEL NO. 53015C0888G DATED 12-16-2015. FLOOD ZONE = X

**LEGAL DESCRIPTION**

(PER DEED OF TRUST, INSTRUMENT NO. 6119174)

**PARCEL I**

A PORTION OF THE SOUTHEAST QUARTER OF SECTION 24, TOWNSHIP 24 NORTH, RANGE 1 WEST AND THE SOUTHWEST QUARTER OF SECTION 19, TOWNSHIP 5 NORTH, RANGE 1 EAST OF THE WILLAMETTE MERIDIAN SITUATE WITHIN THE WILLIAM BRATTON DONATION LAND CLAIM IN CLARK COUNTY, WASHINGTON DESCRIBED AS FOLLOWS:

BEGINNING AT THE INTERSECTION OF THE WESTERLY RIGHT OF WAY LINE OF PSH NO. 1 WITH THE SOUTH LINE OF THAT TRACT CONVEYED TO W.E. BOTTMILLER, ET UX, BY INSTRUMENT RECORDED UNDER AUDITOR'S FILE NO. G 244503;

THENCE WEST ALONG THE SOUTH LINE OF SAID BOTTMILLER TRACT 623 FEET;

THENCE NORTH 0°06' EAST TO THE WATER LINE OF HORSESHOE LAKE;

THENCE EASTERLY FOLLOWING SAID WATER LINE TO THE WESTERLY RIGHT OF WAY LINE OF PSH NO. 1;

THENCE SOUTHERLY ALONG SAID WESTERLY RIGHT OF WAY LINE TO THE POINT OF BEGINNING;

TOGETHER WITH THAT PORTION OF THE WILLIAM BRATTON DONATION LAND CLAIM IN SECTION 19, TOWNSHIP 5 NORTH, RANGE 1 EAST, W.M., IN CLARK COUNTY WASHINGTON, DESCRIBED AS FOLLOWS:

COMMENCING AT A POINT OPPOSITE HIGHWAY ENGINEER'S STATION (HEREINAFTER REFERRED TO AS HES) 840+64.63 ON THE SURVEY LINE OF SR 5, RIDGEFIELD JUNCTION TO WOODLAND AND 161 FEET WESTERLY THEREFROM;

THENCE SOUTHWESTERLY ALONG THE SOUTHERN BOUNDARY OF THE PARCEL CONVEYED TO THE CITY OF WOODLAND ON DECEMBER 13, 2002 AS RECORDED AT AUDITOR FILE NO. 3555857 CLARK COUNTY DEED RECORDS, TO A POINT OPPOSITE HES 845+35.18 ON SAID SURVEY LINE AND 225.21 FEET WESTERLY THEREFROM;

THENCE NORTHWESTERLY CONTINUING ALONG THE CITY OF WOODLAND BOUNDARY TO A POINT OPPOSITE HES 841+79.18 ON SAID SURVEY LINE AND 346 FEET WESTERLY THEREFROM;

THENCE NORTHWESTERLY TO A POINT OPPOSITE HES 842+20.18 ON SAID SURVEY LINE AND 346 FEET WESTERLY THEREFROM, SAID POINT BEING THE POINT OF BEGINNING FOR THIS DESCRIPTION;

THENCE CONTINUING NORTHWESTERLY TO A POINT OPPOSITE HES 845+35.18 ON SAID SURVEY LINE AND 346 FEET WESTERLY THEREFROM;

THENCE SOUTHEASTERLY, PARALLEL WITH SAID SURVEY LINE TO A POINT OPPOSITE HES 842+15.68 ON SAID SURVEY LINE AND 338 FEET WESTERLY THEREFROM;

THENCE NORTHWESTERLY 9.18 FEET TO THE POINT OF BEGINNING AND THE END OF THIS DESCRIPTION.

**PARCEL II**

EASEMENT FOR ROAD KNOWN AS ISLAND AIRE DRIVE, AS DISCLOSED UNDER AUDITOR'S FILE NO. 3555857.

**SURVEY DATA**

VERTICAL DATUM:  
NAVD 88 BASED ON RTK GPS MEASUREMENTS CONSTRAINED TO THE WASHINGTON STATE REFERENCE NETWORK.

HORIZONTAL DATUM:  
WASHINGTON STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (NAD 83/2011) BASED ON RTK GPS MEASUREMENTS CONSTRAINED TO THE WASHINGTON STATE REFERENCE NETWORK.

BASIS OF BEARINGS:  
HELD SOUTH 84°35'23" EAST BETWEEN FOUND IRON PIPES ALONG THE SOUTH LINE OF ISLAND AIRE DRIVE.

**SHEET INDEX**

SS1.0	COVER SHEET / SITE PLAN
SS2.0	T.E.S.C. PLAN
SS2.1	T.E.S.C. DETAIL & NOTES
SS3.0	PUBLIC SEWER MAIN PLAN & PROFILE
SS3.1	PRIVATE SEWER MAIN PLAN & PROFILE
SS3.2	SIDE SEWERS 1 & 2 PLAN & PROFILES
SS3.3	SIDE SEWERS 3 & 4 PLAN & PROFILES
SS3.4	SIDE SEWER 5 PLAN & PROFILE
SS4.0	SEWER DETAILS & NOTES

**LEGEND**

	EX PROPERTY BOUNDARY		EX SEWER PIPE		EX WATER LINE
	EX RIGHT-OF-WAY		EX SANITARY MH/CO		EX METER
	EX CENTERLINE		EX SEPTIC TANK/TANKS		EX PLUG
	EX MAJOR CONTOURS		EX SEPTIC DRAINFIELD		EX GATE VALVE
	EX MINOR CONTOURS		SANITARY SEWER PIPE		EX FIRE DEPARTMENT CONNECTION
	EX ASPHALT		SANITARY SEWER LATERAL		EX POWER POLE
	EX MOBILE / MOTOR HOME		SANITARY MANHOLE / CLEANOUT		EX ELECTRICAL J-BOX
			EX STREET LIGHT		EX LIGHT POLE

**PROJECT INFO**

<b>CLIENT:</b> LEVI BLACK TEL: 253-651-5977 EMAIL: LEVIBLACK@HURSTSONLLC.COM	<b>ENGINEER:</b> BEYLER CONSULTING 5920 100TH ST SW, STE 25 LAKEWOOD, WA 98499 CONTACT: LANDON BEYLER, P.E. TEL: 253-984-2900
<b>SURVEYOR:</b> APEX ENGINEERING, LLC 2601 S 35TH ST, STE 200 TACOMA, WA 98409 TEL: 253-473-4494	

**SITE DATA**

PARCEL NUMBER:	64515034
SITE ADDRESS:	296 ISLAND AIRE DR WOODLAND, WA 98674
SITE AREA:	202,990 SF (4.66 ACRES)
ZONING:	RI-5
MOBILE HOMES:	30
MOTOR HOMES:	10
TOTAL UNITS:	40

**COVER SHEET / SITE PLAN**

**296 ISLAND AIRE DR**

**HORSESHOE LAKE COMMUNITY SEWER DESIGN**

CITY OF WOODLAND WASHINGTON

DESIGNED: DTY/WRK  
DRAWN: EJM  
CHECKED: LCB  
SCALE: HORIZ: 1"=50'  
VERT: 1"=50'

DATE: 4/26/2024

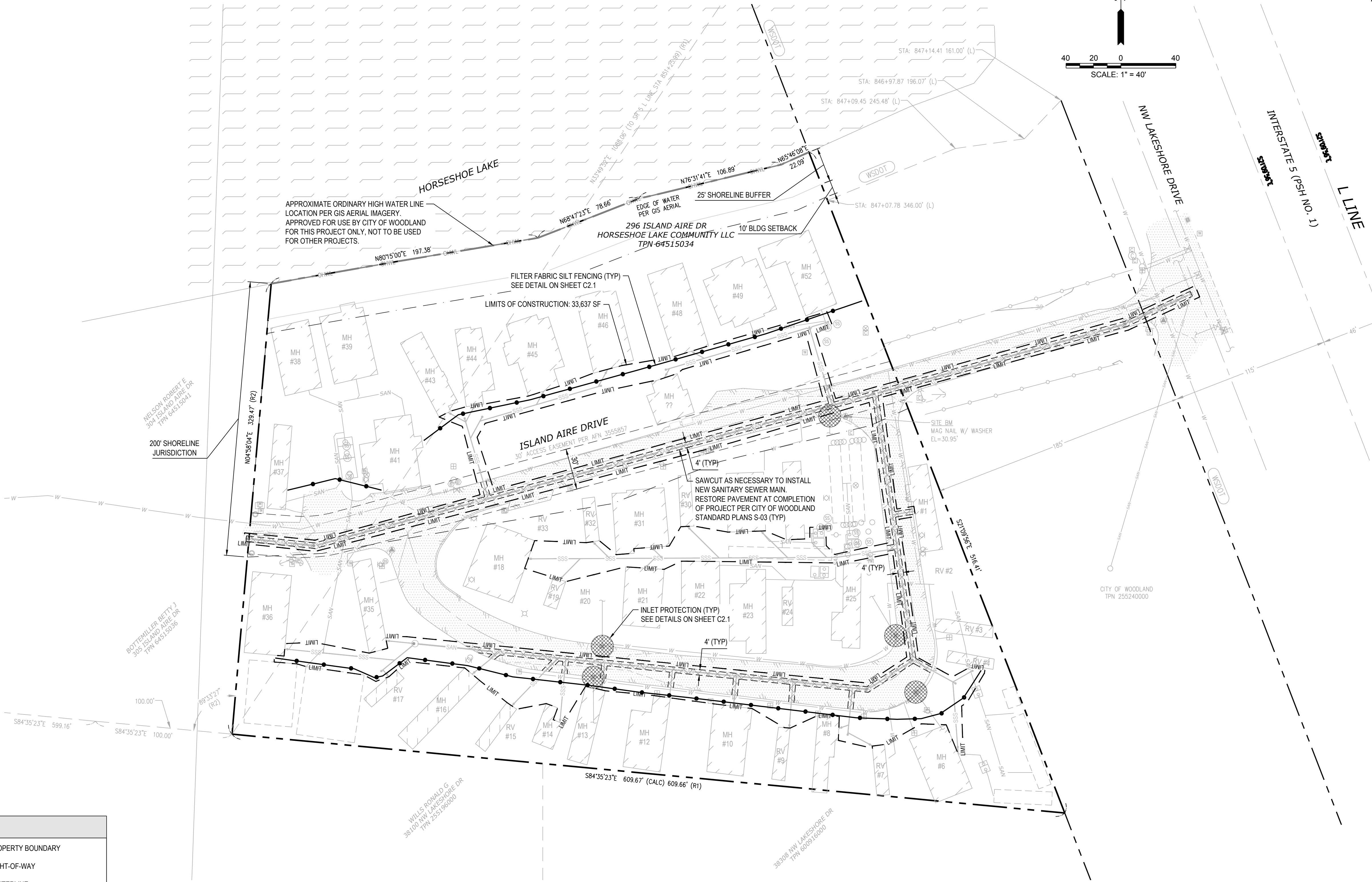
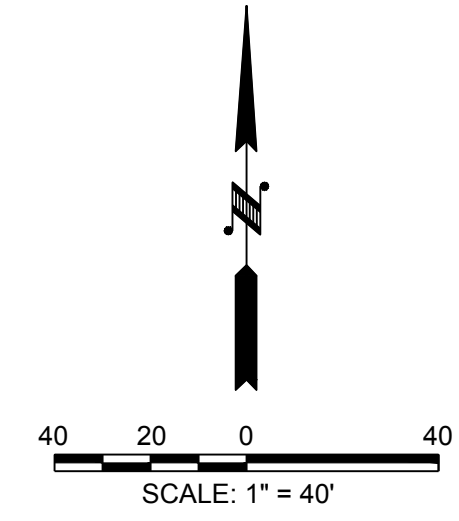
**BEYLER CONSULTING**  
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5920 100th St SW, Ste #25  
Lakewood, WA 98499  
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beylerconsulting.com

**CHARLIE HURST**  
REGISTERED PROFESSIONAL ENGINEER  
NO. 45188  
4/16/2024

JOB NUMBER  
**23.00123**  
SHEET  
**SS1.0**

CAD FILE: X:\Projects\2023\Projects\23.00123\296 Island Aire Dr - Woodland\CDM Engineering\Drawings\23.00123 COVER.dwg PLOT DATE/TIME: 4/26/2024 3:58 PM





APPROXIMATE ORDINARY HIGH WATER LINE LOCATION PER GIS AERIAL IMAGERY. APPROVED FOR USE BY CITY OF WOODLAND FOR THIS PROJECT ONLY. NOT TO BE USED FOR OTHER PROJECTS.

200' SHORELINE JURISDICTION

LEGEND	
	EX PROPERTY BOUNDARY
	EX RIGHT-OF-WAY
	EX CENTERLINE
	EX MAJOR CONTOURS
	EX MINOR CONTOURS
	EX ASPHALT
	DEMOLISH ASPHALT
	LIMITS OF CONSTRUCTION
	LIMIT
	SILT / FILTER FABRIC FENCE
	INLET PROTECTION

**ACCESS NOTE**  
CONTRACTOR TO PROVIDE ACCESS TO EXISTING ROAD AND MOBILE HOME UNITS AT ALL TIMES.

- CONTRACTOR NOTE**
- CONTRACTOR TO COORDINATE WITH SITE INSPECTOR PLACEMENT OF ALL T.E.S.C. MEASURES.
  - CONTRACTOR TO ADJUST SILT FENCE AS NECESSARY WITH SITE INSPECTOR APPROVAL.

CAD FILE: X:\Projects\2023\Projects\23.00123 Black Island Aire Dr, Woodland\DWG\Engineering\Drawings\23.00123.TE.S.C.dwg PLOT DATE/TIME: 4/26/2024 4:01 PM

NO.	DESCRIPTION	INIT	DATE

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Lakewood, WA 98499  
(253) 984-2900  
beylerconsulting.com

T.E.S.C. PLAN  
**296 ISLAND AIRE DR**  
HORSESHOE LAKE COMMUNITY SEWER DESIGN  
CITY OF WOODLAND WASHINGTON  
DESIGNED: DTY/WRK  
DRAWN: EJM  
CHECKED: LCB  
SCALE: HORZ: 1"=40' VERT: 1"=40'  
DATE: 4/26/2024

JOB NUMBER  
**23.00123**  
SHEET  
**SS2.0**

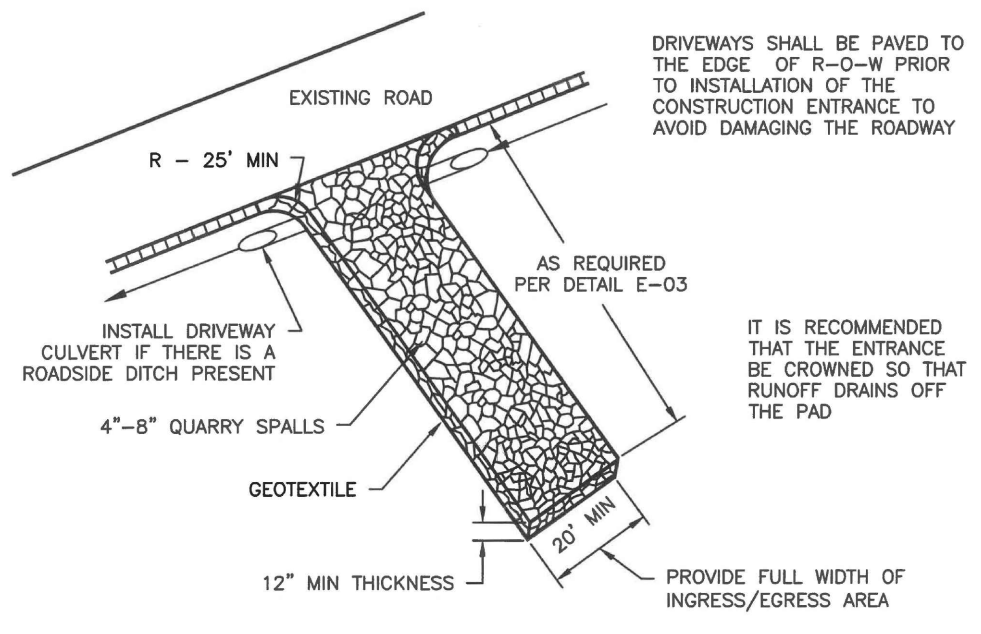


GENERAL EROSION PREVENTION & SEDIMENT CONTROL NOTES

1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE AND IN WORKING CONDITION PRIOR TO ANY LAND DISTURBING ACTIVITY CAUSED BY CLEARING OR GRADING. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE APPROVED BY THE CITY EROSION CONTROL SPECIALIST PRIOR TO THE COMMENCEMENT OF WORK. THE CONTRACTOR SHALL CALL FOR AN ON-SITE INSPECTION WHEN EROSION AND SEDIMENT CONTROL MEASURES ARE IN PLACE AND PRIOR TO COMMENCEMENT OF WORK.
  2. THE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE SITED, DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS IN THE CITY OF WOODLAND'S LATEST STANDARD DETAILS AND THE WASHINGTON STATE DEPARTMENT OF ECOLOGY STORMWATER MANUAL FOR WESTERN WASHINGTON, WHERE THE CITY OF WOODLAND GENERAL REQUIREMENTS SHALL TAKE PRECEDENCE.
  3. THE DEVELOPER IS RESPONSIBLE FOR MAINTAINING EROSION PREVENTION AND SEDIMENT CONTROL MEASURES DURING AND AFTER INSTALLATION OF ALL UTILITY WORK ASSOCIATED WITH UTILITY TRENCHES.
  4. PRIOR TO ANY SITE EXCAVATION, ALL STORM DRAINAGE INLETS SHALL BE PROTECTED DOWN SLOPE FROM ANY DISTURBED OR CONSTRUCTION AREAS PER THE STANDARD DETAILS TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAINAGE SYSTEM PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED AREAS. CLEAN THE FILTER FABRIC AS NECESSARY TO MAINTAIN DRAINAGE. REMOVE FILTER AND CLEAN CATCH BASINS FOLLOWING COMPLETION OF SITEWORK.
  5. THE CONTRACTOR SHALL NOT ALLOW SEDIMENT OR DEBRIS TO ENTER NEW OR EXISTING PIPES, CATCH BASINS OR INFILTRATION SYSTEMS.
  6. NEWLY CONSTRUCTED OR MODIFIED INLETS AND CATCH BASINS ARE TO BE PROTECTED IMMEDIATELY UPON INSTALLATION.
  7. TEMPORARY SEEDING AND MULCHING OF FILL SLOPES AND DIVERSION DICES SHALL BE COMPLETED WITHIN ONE WEEK AFTER ROUGH GRADING.
  8. ALL EXPOSED AND UNWORKED SOILS SHALL BE STABILIZED BY THE APPROPRIATE BEST MANAGEMENT PRACTICES (BMPs), DURING THE PERIOD FROM OCTOBER 1 TO APRIL 30 NO SOIL SHALL BE EXPOSED FOR MORE THAN TWO (2) DAYS. FROM MAY 1 TO SEPTEMBER 30 NO SOIL SHALL BE EXPOSED FOR MORE THAN SEVEN (7) DAYS.
  9. MATERIAL STOCKPILES ARE TO BE PROTECTED BY THE FOLLOWING MEANS:  
 TEMPORARY: COVER PILES WITH DUMPS OR PLASTIC SHEETING REINFORCED WITH CONCRETE BLOCKS, LUMBER OR TREES.  
 PERMANENT: COVER PILES WITH TARPS OR PLASTIC, OR RESEED. PERIMETER AREAS AROUND PILES ARE TO BE SURROUNDED WITH EROSION CONTROL FILTER FABRIC FENCES UNTIL SOIL SURFACE IS STABILIZED WITH RESEEDING.
  10. THE CONTRACTOR SHALL MAINTAIN ON SITE A WRITTEN "DAILY LOG" OF EROSION CONTROL BMP MAINTENANCE.
  11. IF THE CITY INSPECTOR OR ENGINEER HAS EVIDENCE OF POOR CONSTRUCTION PRACTICES OR IMPROPER EROSION PREVENTION BMPs, CONDITIONS AND/OR A STOP WORK ORDER SHALL BE ISSUED UNTIL PROPER MEASURES HAVE BEEN TAKEN AND APPROVED BY THE CITY OF WOODLAND. IF THE BMPs APPLIED TO A SITE ARE INSUFFICIENT TO PREVENT SEDIMENT FROM REACHING WATER BODIES, ADJACENT PROPERTIES, OR PUBLIC RIGHT-OF-WAY, THEN THE PUBLIC WORKS DIRECTOR SHALL REQUIRE ADDITIONAL BMPs.
- PROTECTION OF ADJACENT PROPERTIES, ROADS AND STREETS**
12. PROVIDE A 12-INCH DEEP PAD OF CRUSHED ROCK FOR A DISTANCE OF 100 FEET INTO THE SITE FOR ALL ACCESS POINTS UTILIZED BY CONSTRUCTION EQUIPMENT AND TRUCKS. WIDTH OF PAD SHALL BE A MINIMUM OF 20 FEET. ALL TRUCKS LEAVING THE SITE SHALL CROSS THE PAD. ACCUMULATED SOIL SHALL BE PERIODICALLY REMOVED, OR ADDITIONAL ROCK SHALL BE PLACED UPON THE PAD SURFACE. ROCK SHALL BE CLEAN 4 INCH TO 8 INCH QUARRY SPALLS. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
  13. PAVEMENT SWEEPING AND SHOVELING IS REQUIRED. WASHING THE PAVEMENT INTO THE STORM SYSTEM IS NOT PERMITTED.
  14. AT SITES WITH LESS THAN 1 ACRE OF EXPOSED SOIL, PAD LENGTH MAY BE REDUCED TO 50 FEET. SINGLE FAMILY LOT ENTRANCES MAY HAVE THE PAD LENGTH REDUCED TO 20 FEET. IF CONSTRUCTION OCCURS SIMULTANEOUSLY ON ADJACENT LOTS WITH THE SAME OWNER DURING CONSTRUCTION, ONE LOT ENTRANCE MAY BE USED FOR THE ADJACENT LOTS.
  15. INSTALL SEDIMENT FENCE IN ACCORDANCE WITH THIS DETAIL SHEET PRIOR TO BUILDING CONSTRUCTION AND/OR EXCAVATION TO PREVENT SILT INTRUSION UPON ADJACENT LOTS. IF CONSTRUCTION OCCURS SIMULTANEOUSLY ON ADJACENT LOTS AND THE LOTS HAVE THE SAME OWNER DURING CONSTRUCTION, THE SILT FENCE ALONG THE COMMON LOT LINE MAY BE ELIMINATED.
- CONSTRUCTION ROADS AND PARKING AREAS SHALL BE STABILIZED WHEREVER THEY ARE CONSTRUCTED, WHETHER PERMANENT OR TEMPORARY, FOR THE USE OF CONSTRUCTION TRAFFIC.**
- MAINTENANCE OF SEDIMENT CONTROL BMPs**
17. MAINTAIN AND REMOVE ALL SEDIMENT CONTROLS AS SPECIFIED IN THE STANDARD DETAILS. THE CONTRACTOR SHALL REMOVE ALL ACCUMULATED SEDIMENT FROM THE CATCH BASINS, DRYWELLS, UTILITY TRENCHES AND STORM PIPES PRIOR TO ACCEPTANCE BY THE CITY.
  18. SEDIMENT CONTROL BMPs SHALL BE INSPECTED WEEKLY AND AFTER ANY STORM EVENT PRODUCING RUNOFF. THE INSPECTION FREQUENCY FOR STABILIZED, INACTIVE SITES SHALL BE ONCE EVERY TWO WEEKS OR MORE FREQUENTLY AS DETERMINED BY THE LOCAL PERMITTING AUTHORITY BASED ON THE LEVEL OF SOIL STABILITY AND POTENTIAL FOR ADVERSE ENVIRONMENTAL IMPACTS.
  19. ALL TEMPORARY EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER SITE STABILIZATION IS ACHIEVED OR AFTER TEMPORARY BMPs ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON SITE. DISTURBED SOIL AREAS RESULTING FROM REMOVAL SHALL BE PERMANENTLY STABILIZED.
- DUST CONTROL**
20. IN AREAS SUBJECT TO SURFACE AND AIR MOVEMENT OF DUST ONE OR MORE OF THE FOLLOWING PREVENTATIVE MEASURES SHALL BE TAKEN FOR DUST CONTROL:  
 A. MINIMIZE THE PERIOD OF SOIL EXPOSURE THROUGH THE USE OF TEMPORARY GROUND COVER AND OTHER TEMPORARY STABILIZATION PRACTICES.  
 B. SPRINKLE THE SITE WITH WATER UNTIL THE SURFACE IS WET.  
 C. SPRAY EXPOSED SOIL AREAS WITH A DUST PALLIATIVE. NOTE: USE OF PETROLEUM PRODUCTS OR POTENTIALLY HAZARDOUS MATERIALS ARE PROHIBITED.
- TEMPORARY SEEDING**
21. EXPOSED SURFACES THAT WILL NOT BE BROUGHT TO FINAL GRADE OR GIVEN A PERMANENT COVER TREATMENT WITHIN 30 DAYS OF THE EXPOSURE SHALL HAVE SEED MIX AND MULCH PLACED TO STABILIZE THE SOIL AND REDUCE EROSION. SEEDING AREAS SHALL BE CHECKED REGULARLY TO ASSURE A GOOD STAND OF GRASS IS BEING MAINTAINED. AREAS THAT FAIL TO ESTABLISH VEGETATION COVER ADEQUATE TO PREVENT EROSION WILL BE RESEED AS SOON AS SUCH AREAS ARE IDENTIFIED.
  22. APPLY AN APPROVED TEMPORARY SEEDING MIXTURE TO THE PREPARED SEED BED AT A RATE OF 120 LBS/ACRE. NOTE: "HYDROSEEDING" APPLICATIONS WITH APPROVED SEED-MULCH-FERTILIZER MIXTURES MAY ALSO BE USED.

EROSION PREVENTION AND SEDIMENT CONTROL				
APPROVED	REVISIONS	DATE	DRAWN	DESIGNED
		2/14/22		
PUBLIC WORKS DIRECTOR		DATE		

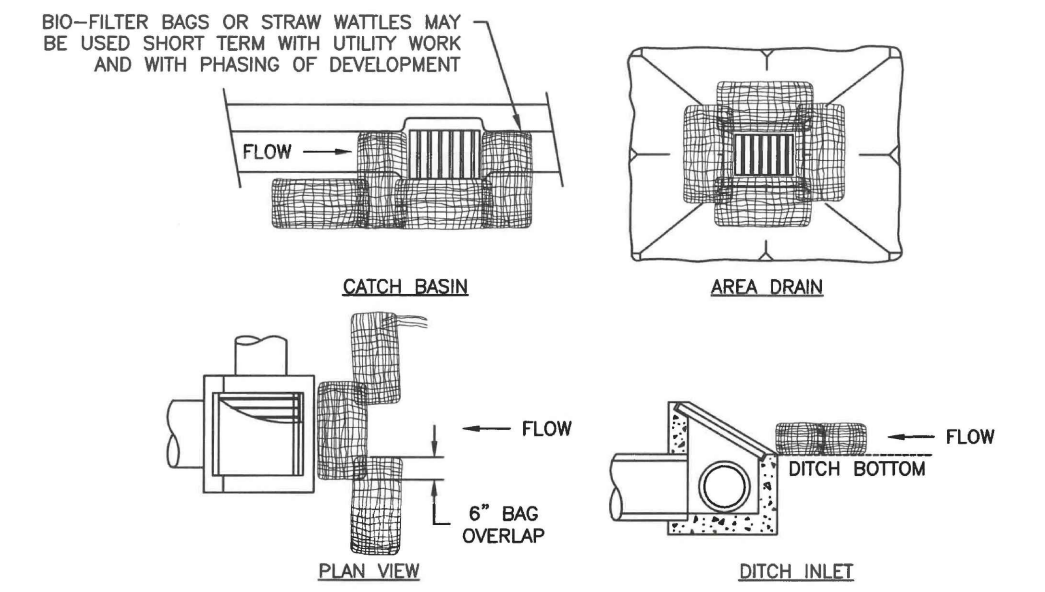
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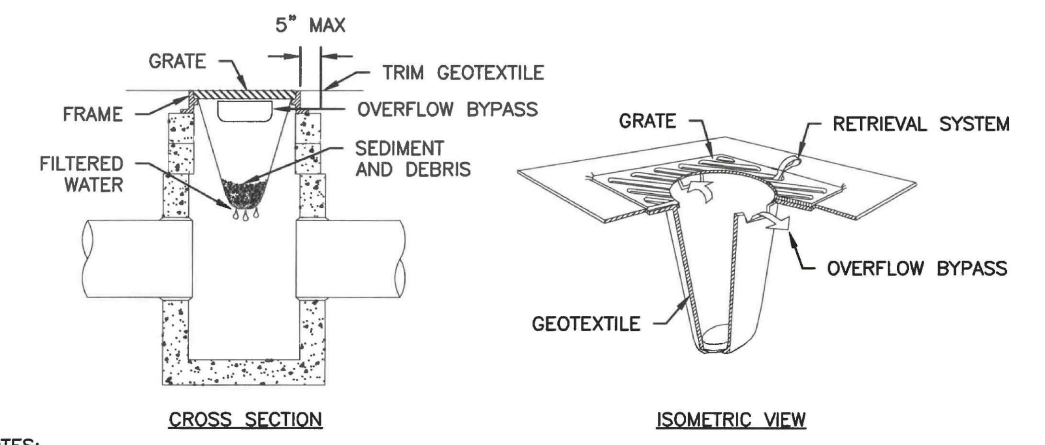
- NOTES:
1. IF THE ENTRANCE SITS ON A SLOPE, PLACE A FILTER FABRIC FENCE DOWN GRADIENT.
  2. TOP DRESS THE PAD WITH CLEAN 3" MINUS ROCK WHEN THE CONSTRUCTION ENTRANCE BECOMES CLOGGED WITH SEDIMENTS.
  3. ANY SEDIMENT CARRIED FROM THE SITE ONTO THE STREET SHALL BE CLEANED UP IMMEDIATELY.
  4. IF EQUIPMENT TRAVELS EXTENSIVELY ON UNSTABILIZED ROADS ON THE SITE, A TIRE AND VEHICLE UNDERCARRIAGE WASH NEAR THE ENTRANCE WILL BE NEEDED. PERFORM WASHING ON CRUSHED ROCK. WASH WATER WILL REQUIRE TREATMENT IN A SEDIMENT POND OR TRAP.

STABILIZED CONSTRUCTION ENTRANCE				
APPROVED	REVISIONS	DATE	DRAWN	DESIGNED
		2/14/22		
PUBLIC WORKS DIRECTOR		DATE		

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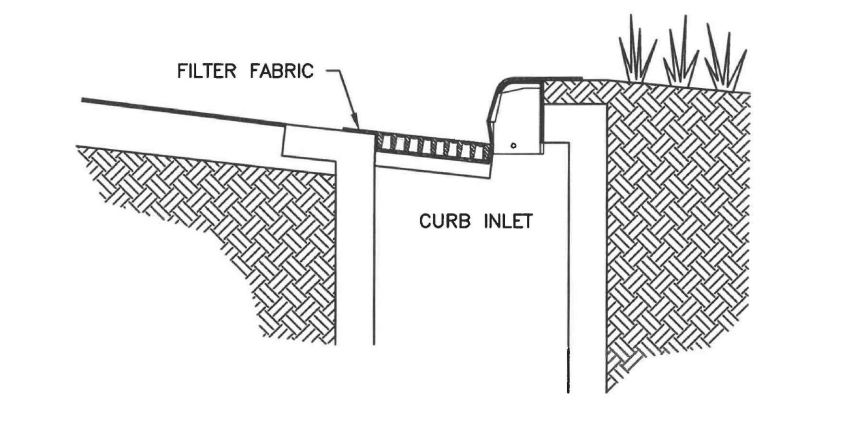
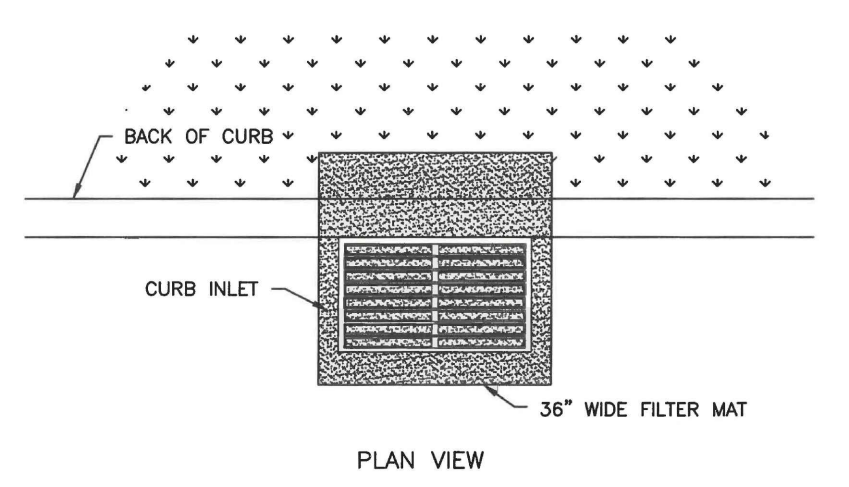
- NOTES:
1. ADDITIONAL MEASURES MUST BE CONSIDERED DEPENDING ON SOIL TYPE.
  2. BIO-FILTER BAGS SHOULD BE STAKED WHERE APPLICABLE USING (2) 1" x 2" WOODEN STAKES OR APPROVED EQUAL PER BAG.
  3. STRAW WATTLES MUST BE STABILIZED BY ATTACHING WIRE CLIPS TO THE CATCH BASIN PER MANUFACTURER SPECIFICATIONS.
  4. INLET PROTECTION MUST BE REGULARLY INSPECTED BY THE EROSION CONTROL INDIVIDUAL TO INSURE PROPER PLACEMENT/FUNCTION AND MAINTENANCE.



- NOTES:
1. SIZE THE BELOW GRATE INLET DEVICE (BGID) FOR THE STORM WATER STRUCTURE IT WILL SERVICE.
  2. THE REMOVAL SYSTEM MUST ALLOW REMOVAL OF THE BGID WITHOUT SPILLING THE COLLECTED MATERIAL.
  3. THE BGID SHALL HAVE A BUILT-IN HIGH-FLOW RELIEF SYSTEM (OVERFLOW BYPASS).
  4. THE CONTRACTOR SHALL INSPECT THE BAG AFTER EACH STORM EVENT AND AT REGULAR INTERVALS.
  5. THE FILTER BAG SHALL BE CLEANED OR REPLACED WHEN THE BAG BECOMES HALF FULL.

INLET PROTECTION (1 OF 2)				
APPROVED	REVISIONS	DATE	DRAWN	DESIGNED
		2/14/22		
PUBLIC WORKS DIRECTOR		DATE		

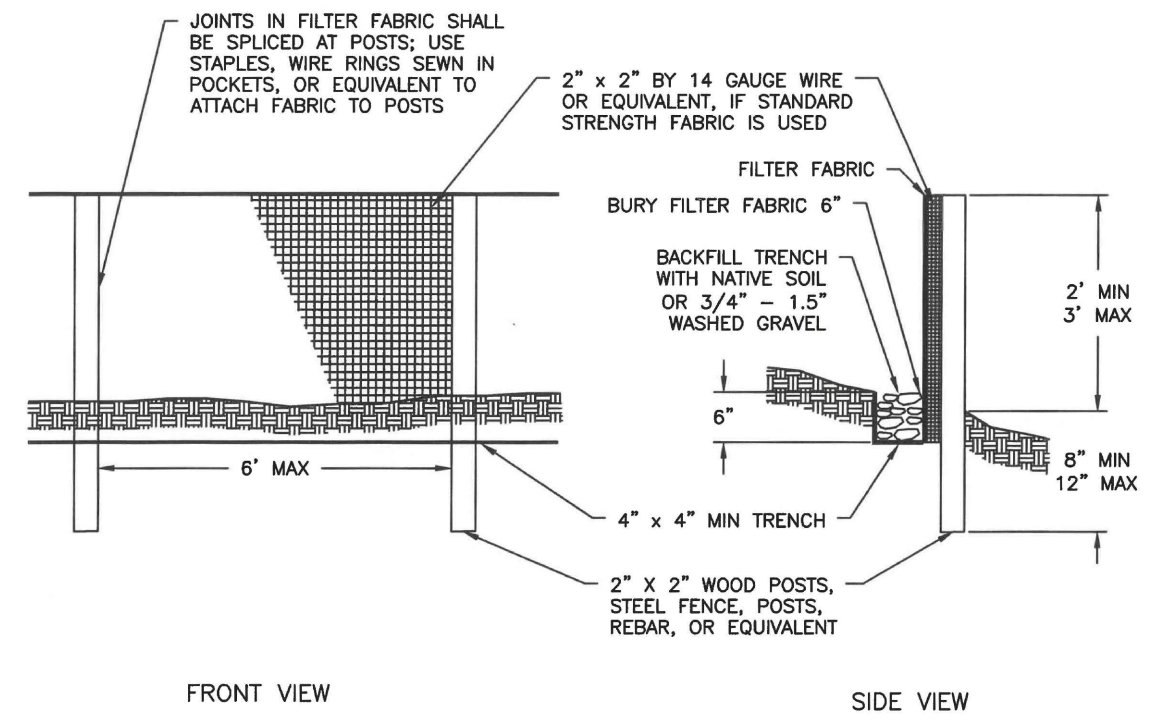
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- NOTES:
1. USE FILTER MAT SEDIMENT BARRIER WHEN CURB INLET IS LOCATED IN GENTLY SLOPING STREET, WITH MINIMAL NEED, WHERE WATER CAN FILTER AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
  2. BARRIER SHALL ALLOW FOR OVERFLOW FROM SEVERE STORM EVENT.
  3. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

INLET PROTECTION (2 OF 2)				
APPROVED	REVISIONS	DATE	DRAWN	DESIGNED
		2/14/22		
PUBLIC WORKS DIRECTOR		DATE		

E-17



- NOTES:
1. FILTER FABRIC FENCES SHALL BE INSTALLED ALONG CONTOUR WHENEVER POSSIBLE.
  2. POST SPACING MAY BE INCREASED TO 8' IF WIRE BACKING IS USED.
- MAINTENANCE STANDARDS:**
1. SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
  2. IF CONCENTRATED FLOWS ARE EVIDENT UPHILL OF THE FENCE, THEY MUST BE INTERCEPTED AND CONVEYED TO A SEDIMENT POND.
  3. IT IS IMPORTANT TO CHECK THE UPHILL SIDE OF THE FENCE FOR SIGNS OF THE FENCE CLOGGING AND ACTING AS A BARRIER TO FLOW AND THEN CAUSING CHANNELIZATION OF FLOWS PARALLEL TO THE FENCE. IF THIS OCCURS, REPLACE THE FENCE OR REMOVE THE TRAPPED SEDIMENT.
  4. SEDIMENT DEPOSITS SHALL EITHER BE REMOVED WHEN THE DEPOSIT REACHES APPROXIMATELY ONE-THIRD THE HEIGHT OF THE SILT FENCE, OR A SECOND SILT FENCE SHALL BE INSTALLED.
  5. IF THE FILTER FABRIC (GEOTEXTILE) HAS DETERIORATED DUE TO ULTRAVIOLET BREAKDOWN, IT SHALL BE REPLACED.

SILT FENCE				
APPROVED	REVISIONS	DATE	DRAWN	DESIGNED
		2/14/22		
PUBLIC WORKS DIRECTOR		DATE		

E-20

NO.	DESCRIPTION	INIT	DATE

**BEYLER CONSULTING**

**Plan, Design, Manage**

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Lakewood, WA 98499  
(253) 984-2900  
beylerconsulting.com

PROJECT MANAGEMENT | PLANNING & FEASIBILITY  
PERMITTING SERVICES | CONSTRUCTION MANAGEMENT

**T.E.S.C. DETAILS & NOTES**

**296 ISLAND AIRE DR**

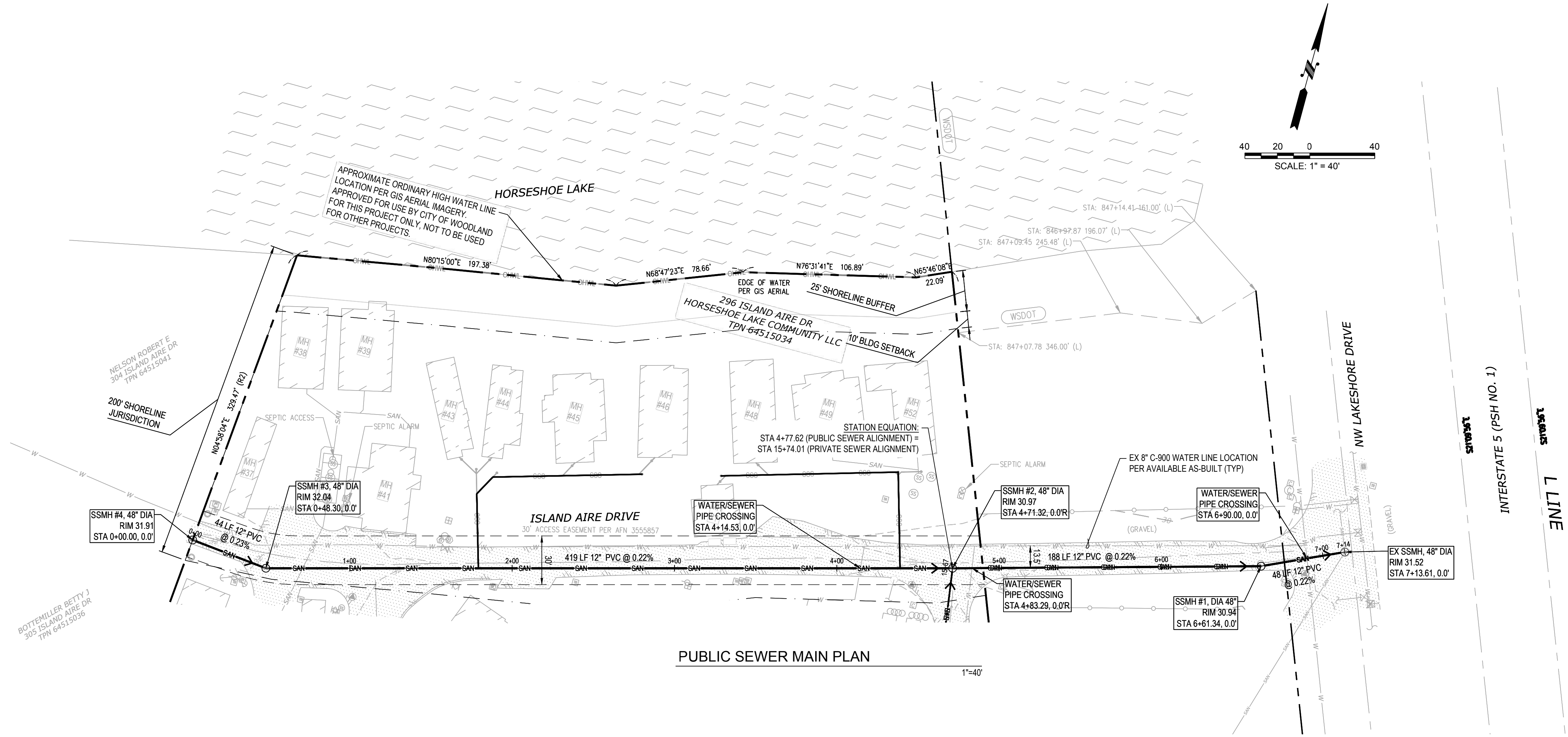
HORSESHOE LAKE COMMUNITY SEWER DESIGN  
CITY OF WOODLAND WASHINGTON

DESIGNED: DTY/WRK  
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SCALE: HORIZ:  
VERT:  
DATE: 4/26/2024

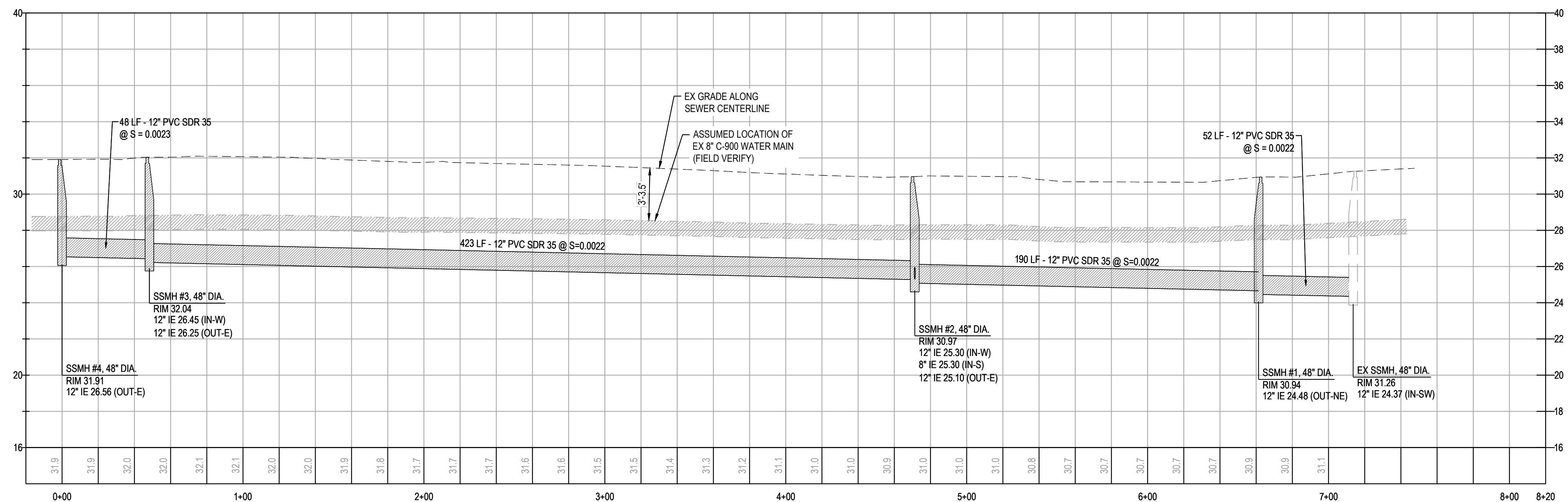
4/26/2024

JOB NUMBER  
**23.00123**  
SHEET  
**SS2.1**





PUBLIC SEWER MAIN PLAN  
1"=40'



PUBLIC SEWER MAIN PROFILE  
Sta 0+00.00 to 7+13.44  
HORIZONTAL 1"=40'  
VERTICAL 1"=4'

**EXISTING SEPTIC CONNECTION NOTE**

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**PIPE NOTE**

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NO.	DESCRIPTION	DATE

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Plan. Design. Manage

CORPORATE OFFICE  
5920 100th St SW, Ste #25  
Lakewood, WA 98499  
(253) 984-2900  
beylerconsulting.com

PROJECT MANAGEMENT | PLANNING & FEASIBILITY  
CONSTRUCTION MANAGEMENT | PERMITTING SERVICES | CONSTRUCTION MANAGEMENT

**PUBLIC SEWER MAIN PLAN & PROFILE**

**296 ISLAND AIRE DR**

HORSESHOE LAKE COMMUNITY SEWER DESIGN

CITY OF WOODLAND WASHINGTON

DESIGNED: DTY/WRK  
DRAWN: EJM  
CHECKED: LCB  
SCALE: HORIZ: 1"=40' VERT: 1"=4'

DATE: 4/26/2024



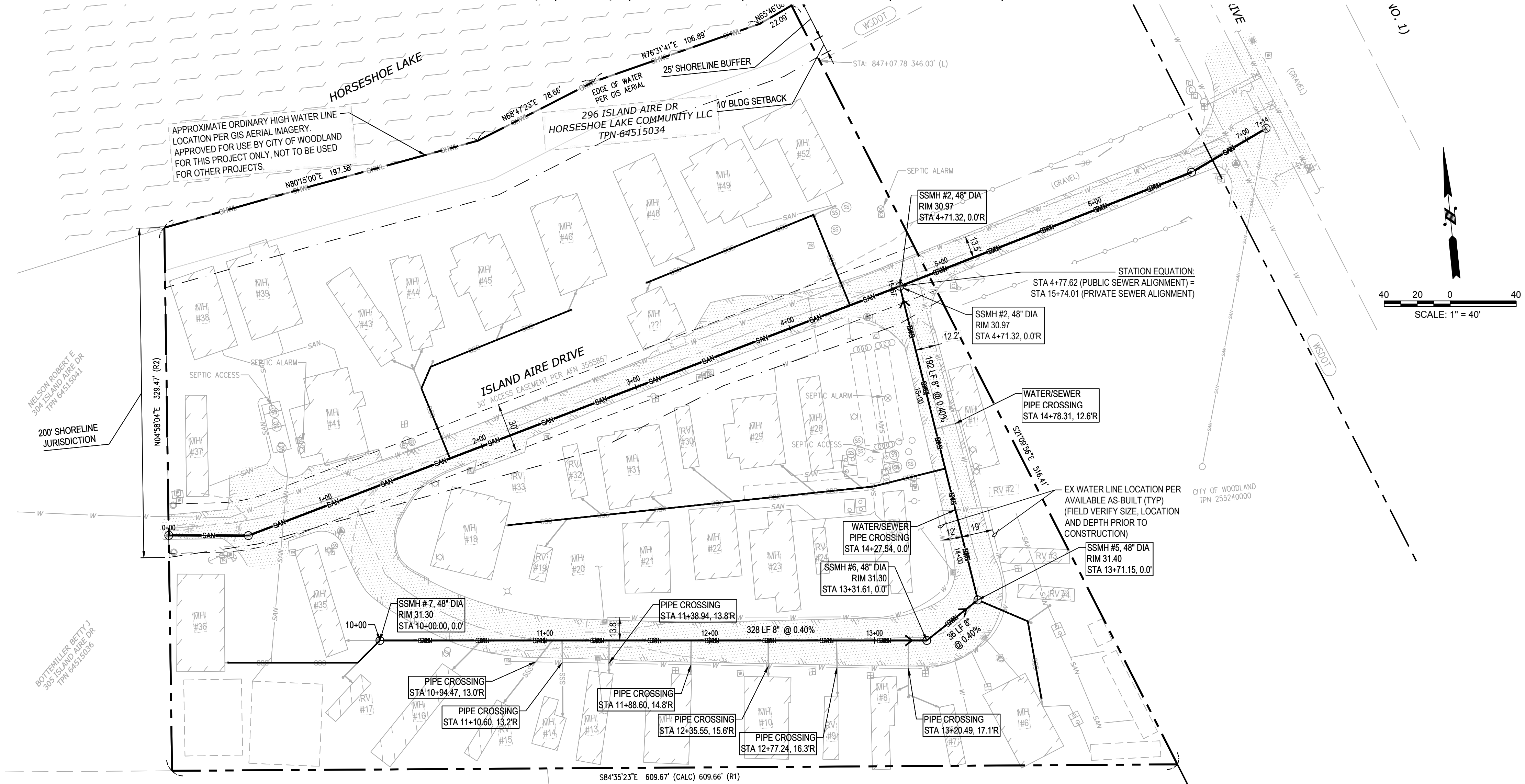
JOB NUMBER  
**23.00123**

SHEET  
**SS3.0**

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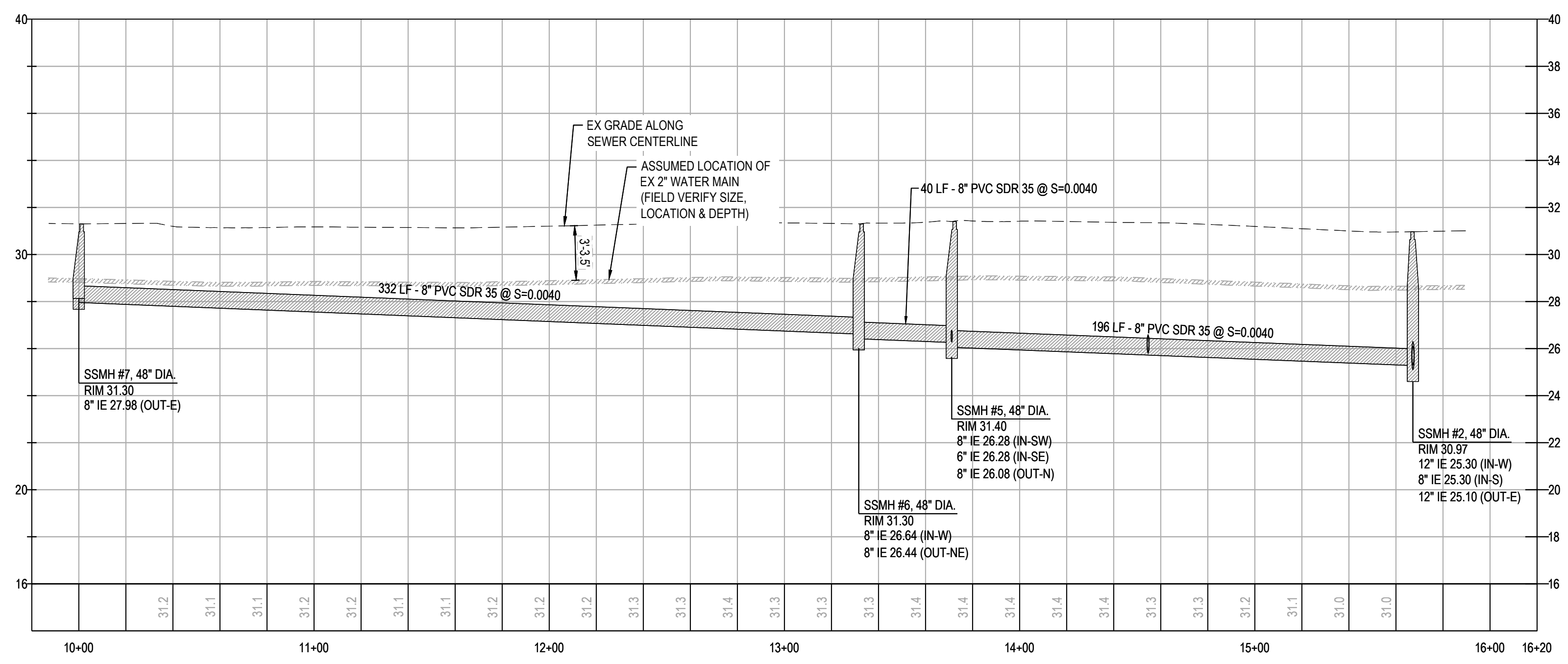


SW 1/4, NW 1/4, SECTION 39, TOWNSHIP 15 N, RANGE 01 E, W.M.



PRIVATE SEWER MAIN PLAN

1"=40'



PRIVATE SEWER MAIN PROFILE

Sta 0+00.00 to 4+59.28 HORIZONTAL 1"=40' VERTICAL 1"=4'

**EXISTING SEPTIC CONNECTION NOTE**

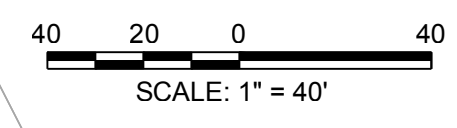
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NO.	DESCRIPTION	INIT	DATE

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 CORPORATE OFFICE  
 5920 100th St SW, Ste #25  
 Lakewood, WA 98499  
 (253) 984-2900  
 beylerconsulting.com

PRIVATE SEWER MAIN PLAN & PROFILE  
**296 ISLAND AIRE DR**  
 HORSESHOE LAKE COMMUNITY SEWER DESIGN  
 CITY OF WOODLAND WASHINGTON  
 DESIGNED: DTY/WRK  
 DRAWN: EJM  
 CHECKED: LCB  
 SCALE: HORIZ: 1"=40' VERT: 1"=4'  
 DATE: 4/26/2024



JOB NUMBER  
**23.00123**  
 SHEET  
**SS3.1**

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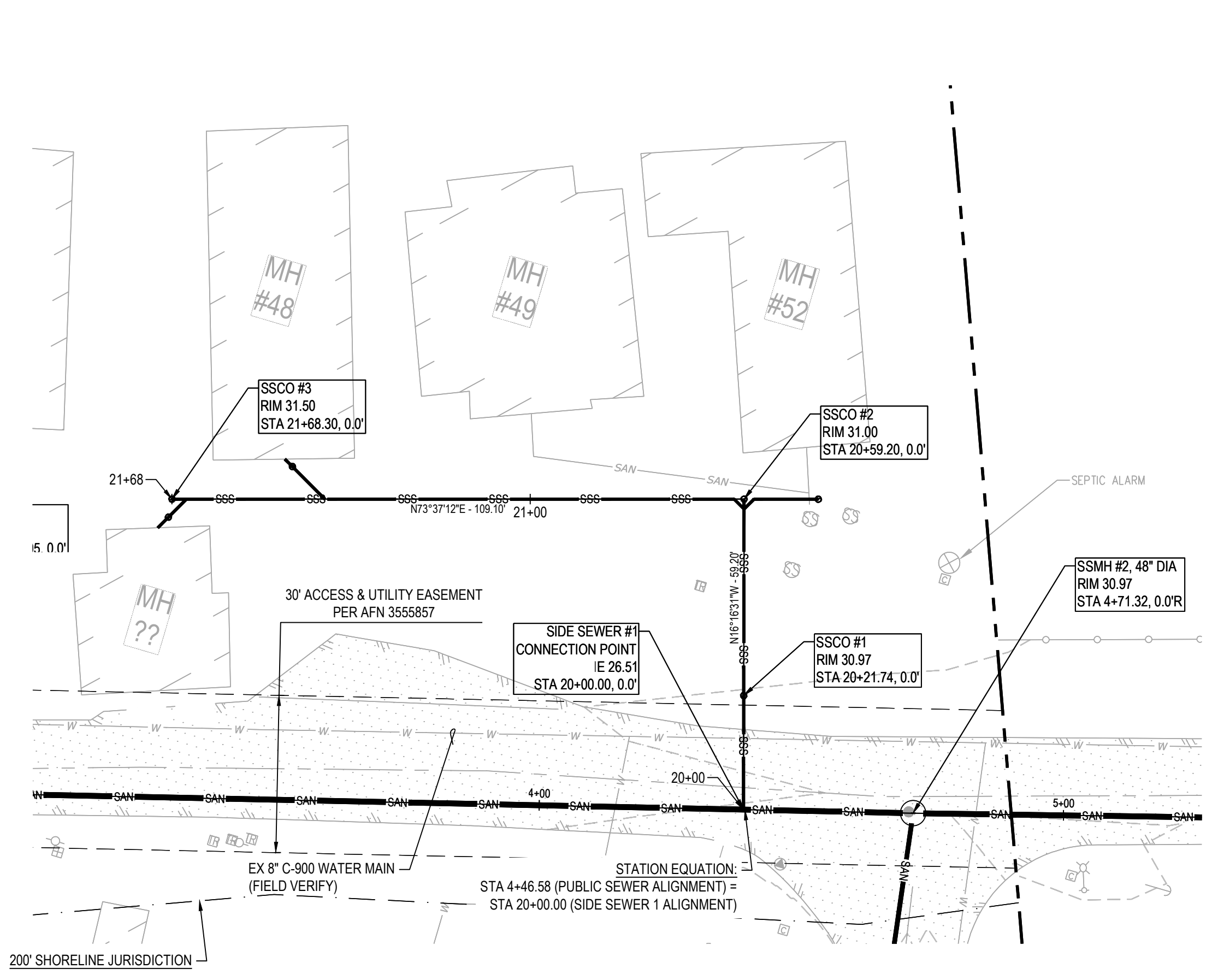
NO.	DESCRIPTION	DATE

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 Lakewood, WA 98499  
 (253) 984-2900  
 beylerconsulting.com

**296 ISLAND AIRE DR**  
 HORSESHOE LAKE COMMUNITY SEWER DESIGN  
 CITY OF WOODLAND WASHINGTON  
 DESIGNED: DTY/WRK  
 DRAWN: EJM  
 CHECKED: LCB  
 SCALE: HORIZ: 1"=20' VERT: 1"=5'  
 DATE: 4/26/2024

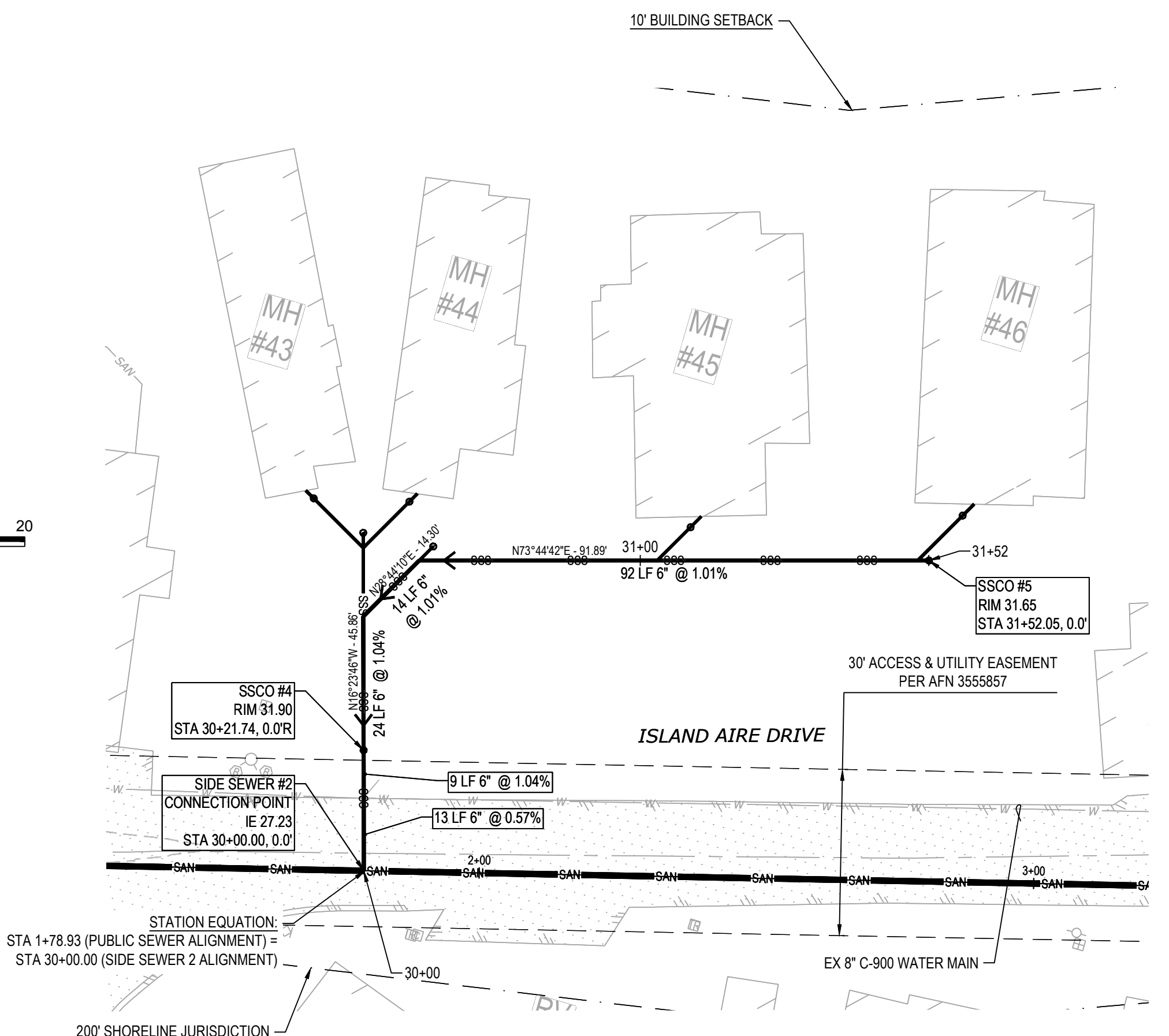
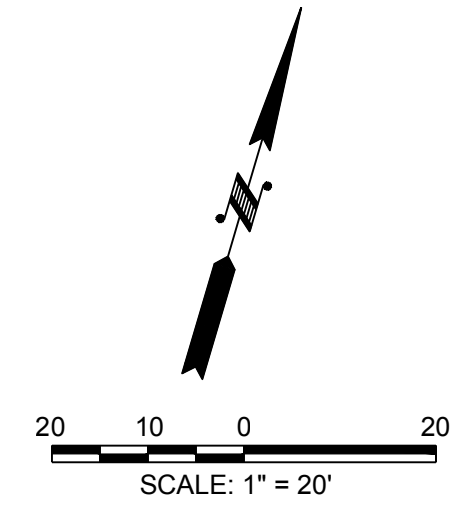
**CHARLIE H. BEYLER**  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 45188  
 WASHINGTON STATE  
 1/16/2024

JOB NUMBER  
**23.00123**  
 SHEET  
**SS3.2**



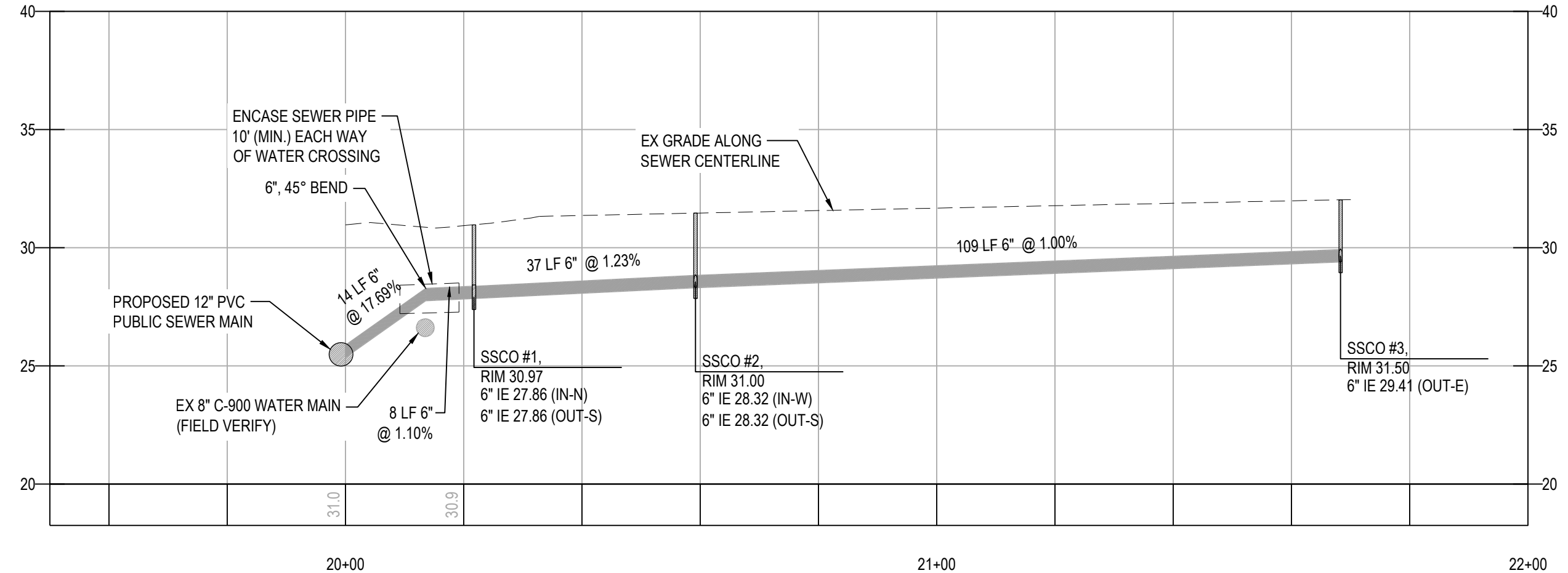
SIDE SEWER #1 PLAN

1"=20'



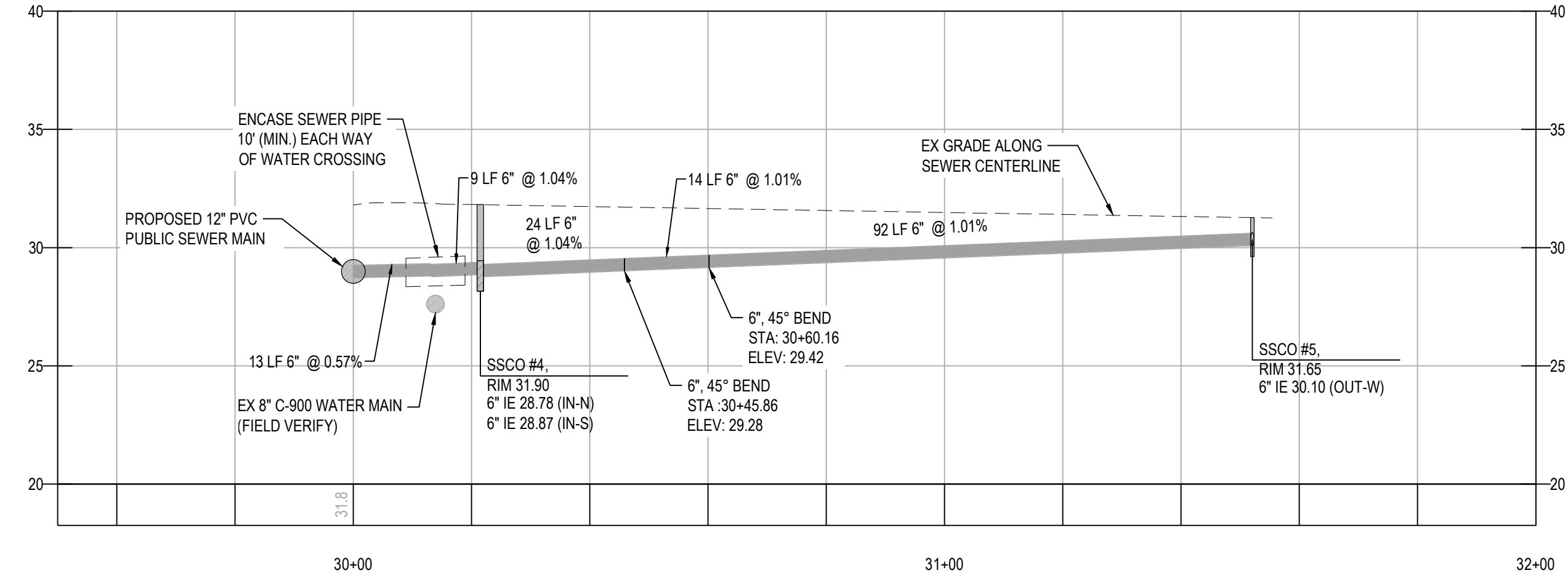
SIDE SEWER #2 PLAN

1"=20'



SIDE SEWER #1 PROFILE

Sta 19+00.00 to 22+00.00 HORIZONTAL 1"=20' VERTICAL 1"=5'



SIDE SEWER #2 PROFILE

Sta 29+50.00 to 32+00.00 HORIZONTAL 1"=20' VERTICAL 1"=5'

**PIPE NOTE**  
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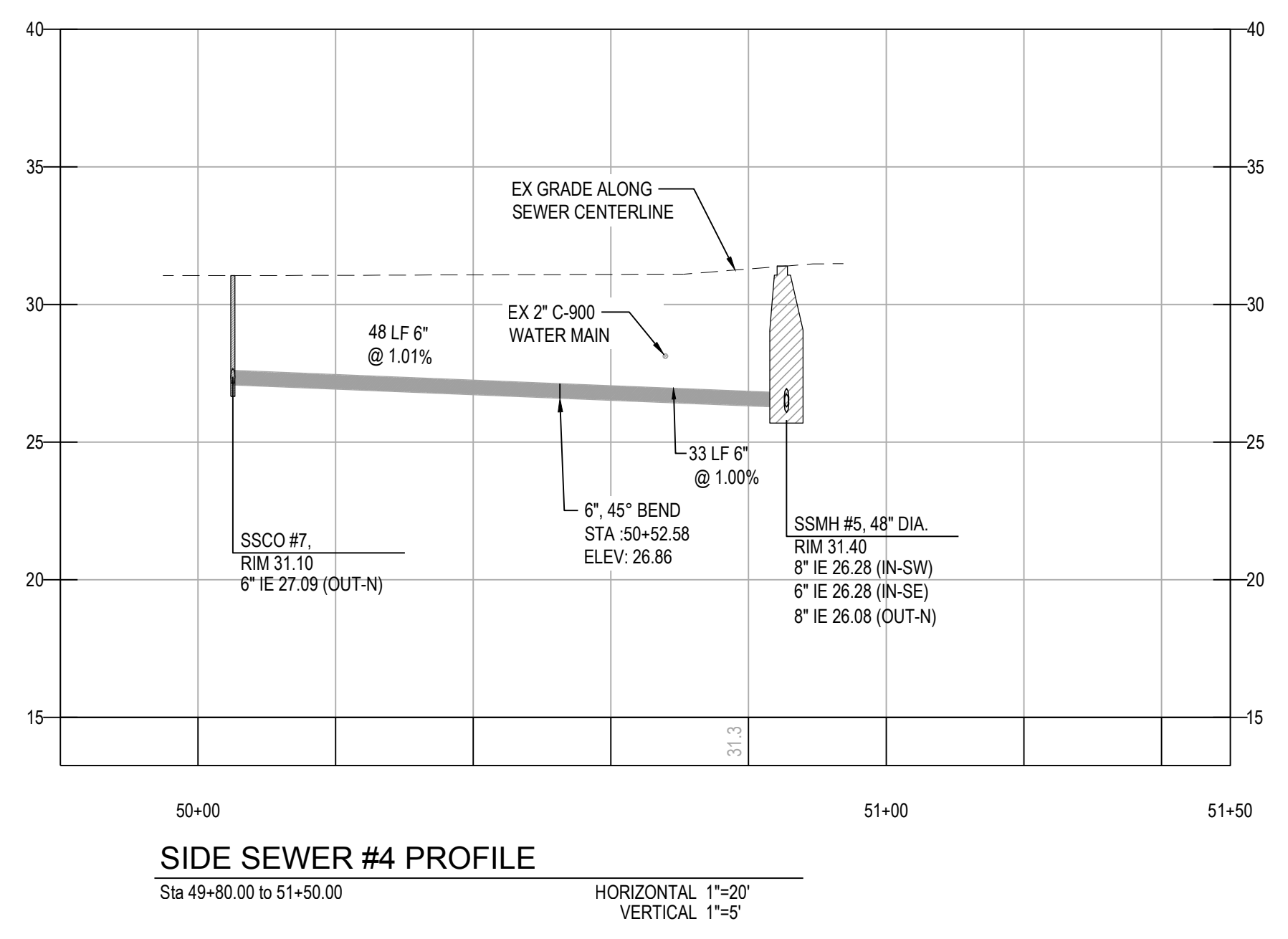
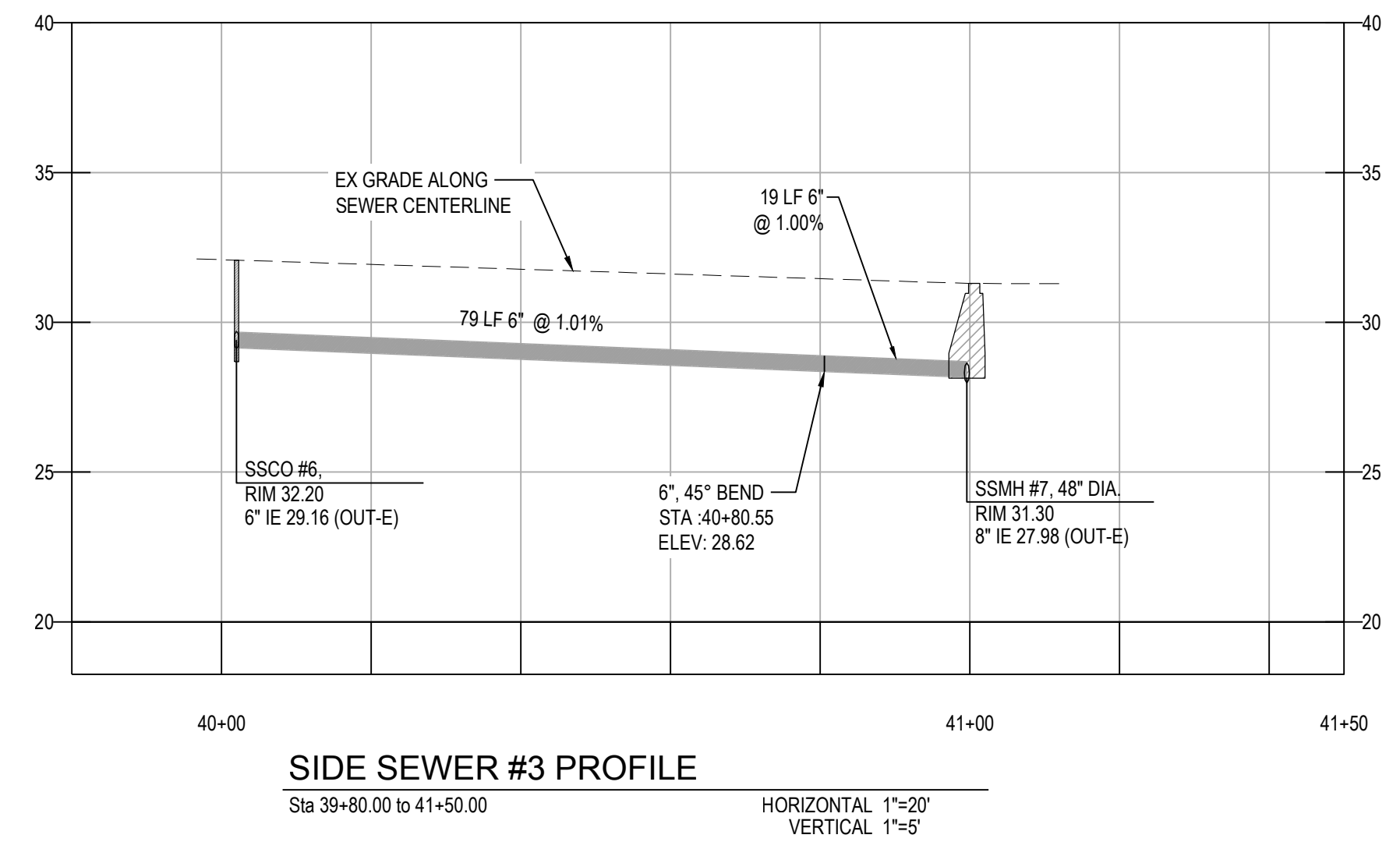
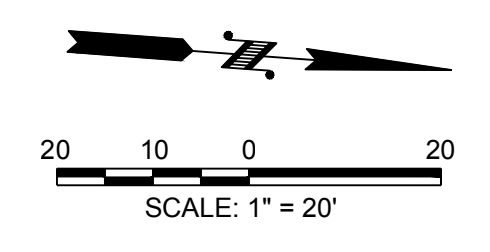
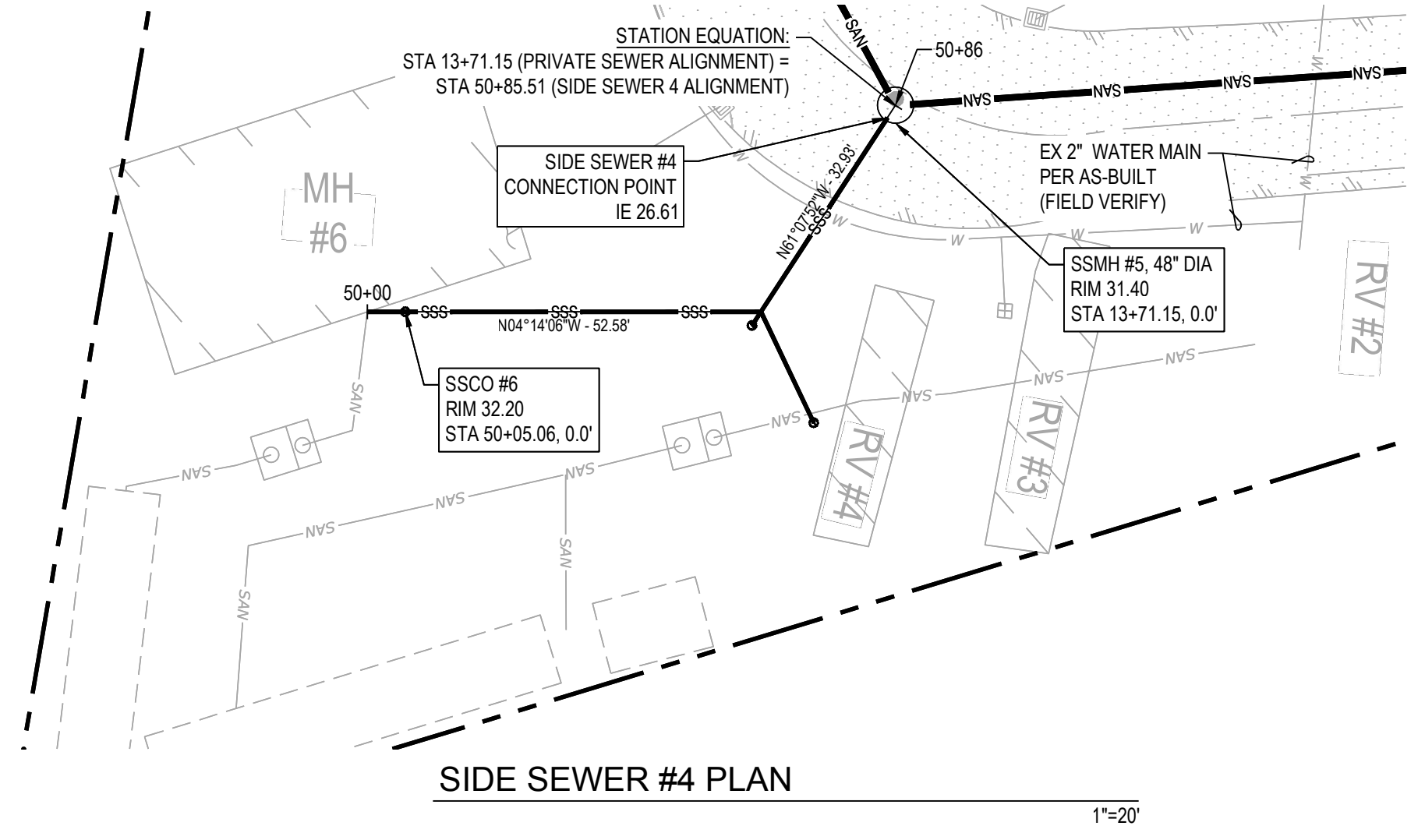
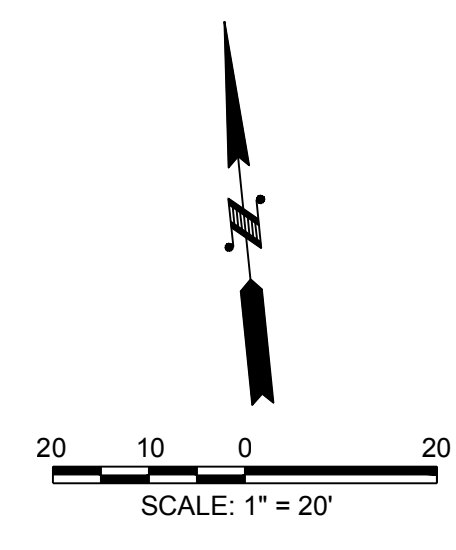
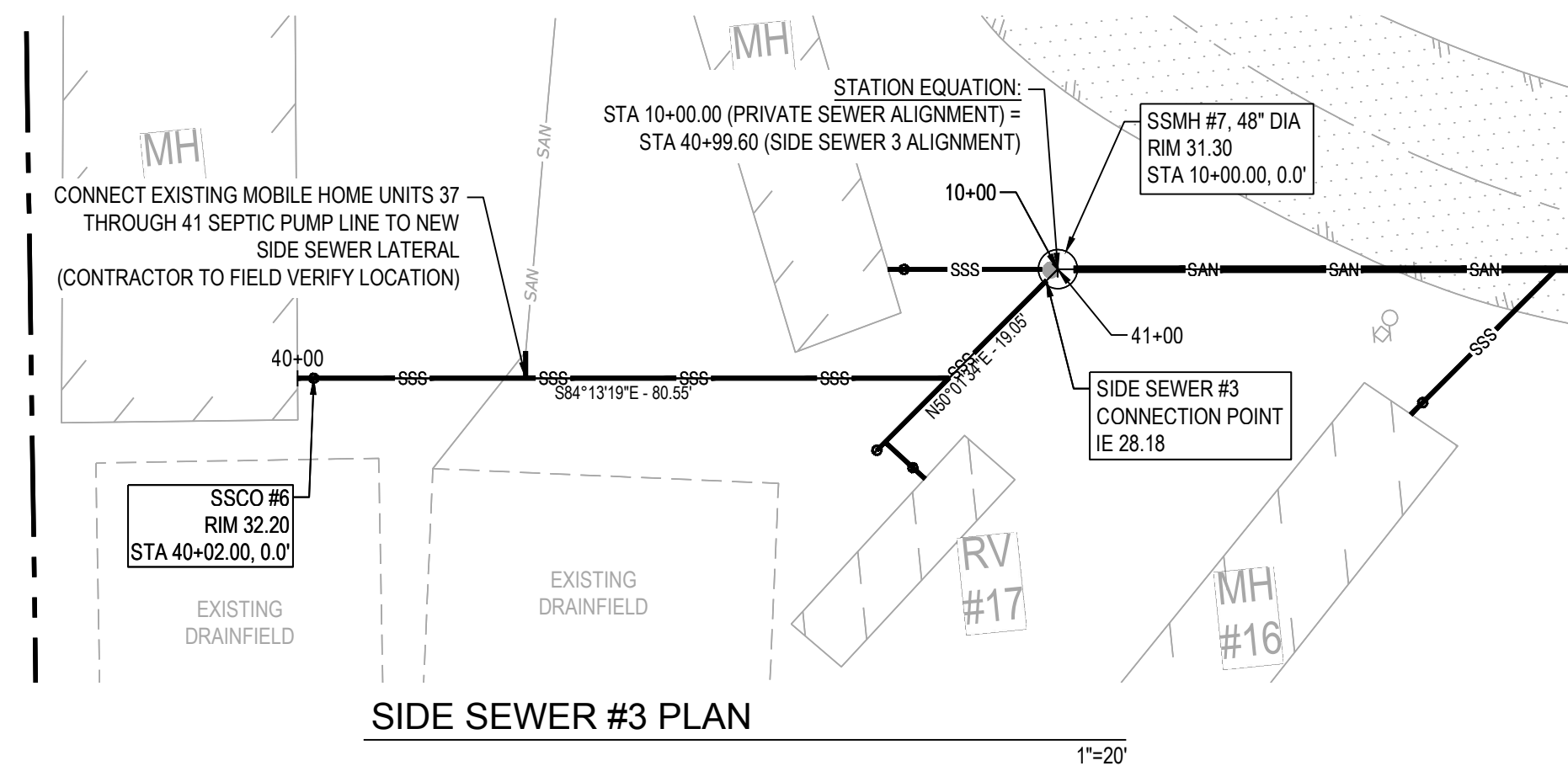
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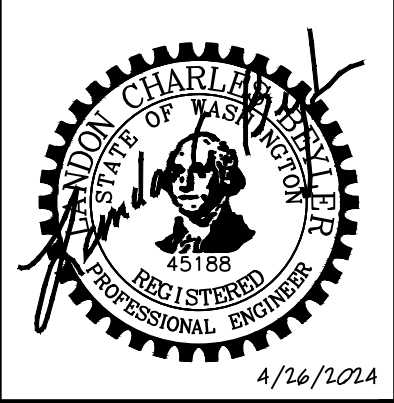
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NO.	DESCRIPTION	INIT	DATE

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CORPORATE OFFICE  
5920 100th St. SW, Ste #25  
Lakewood, WA 98499  
(253) 984-2900  
beylerconsulting.com

**SIDE SEWERS 3 & 4 PLAN & PROFILES**  
**296 ISLAND AIRE DR**  
HORSESHOE LAKE COMMUNITY SEWER DESIGN  
CITY OF WOODLAND WASHINGTON  
DESIGNED: DTY/WRK  
DRAWN: EJM  
CHECKED: LCB  
SCALE: HORIZ: 1"=20' VERT: 1"=5'  
DATE: 4/26/2024

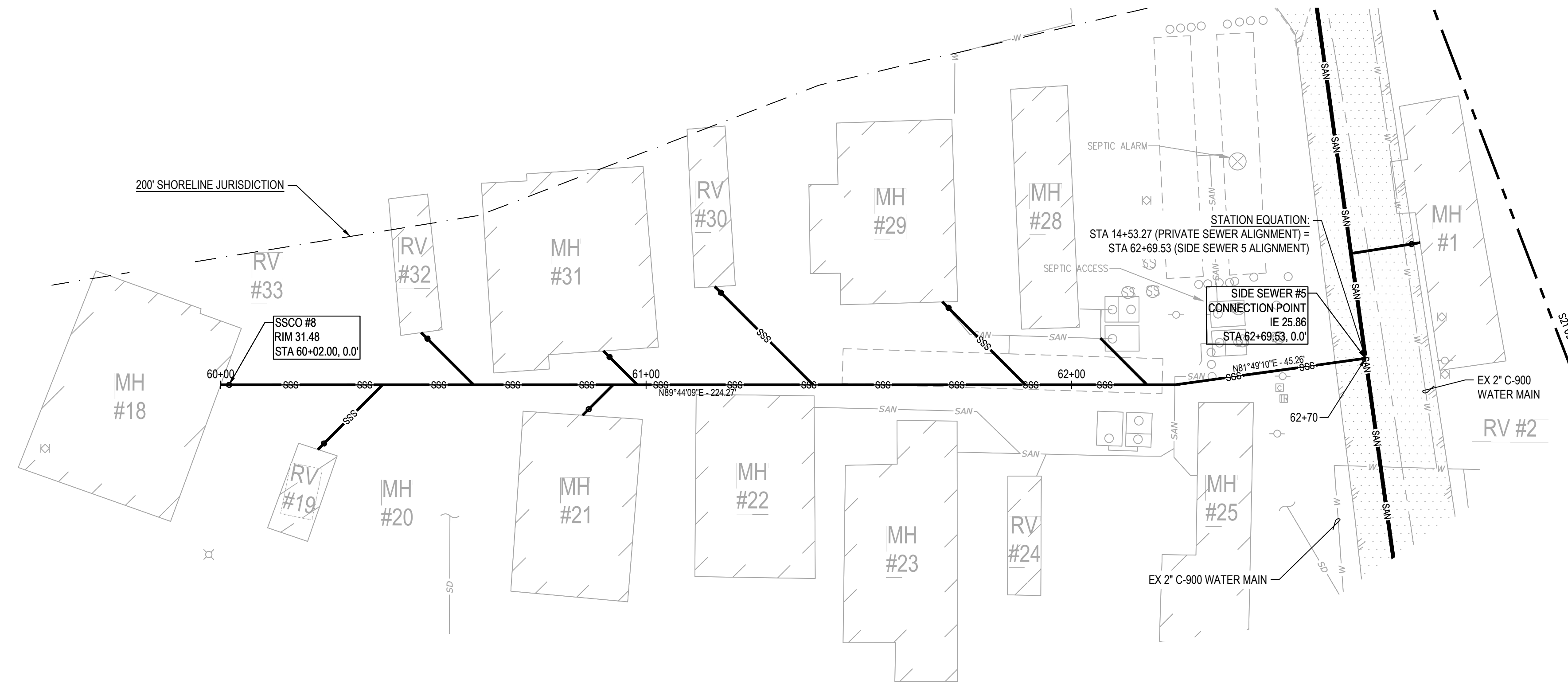
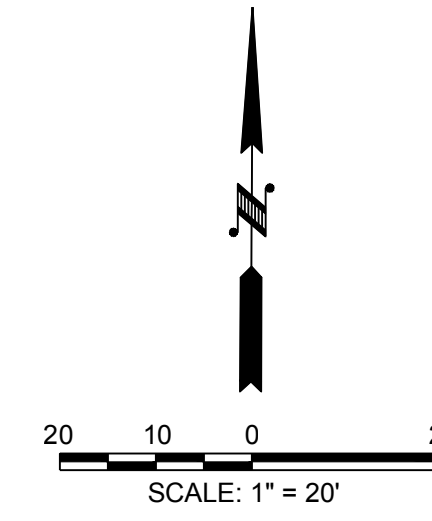


JOB NUMBER  
**23.00123**  
SHEET  
**SS3.3**

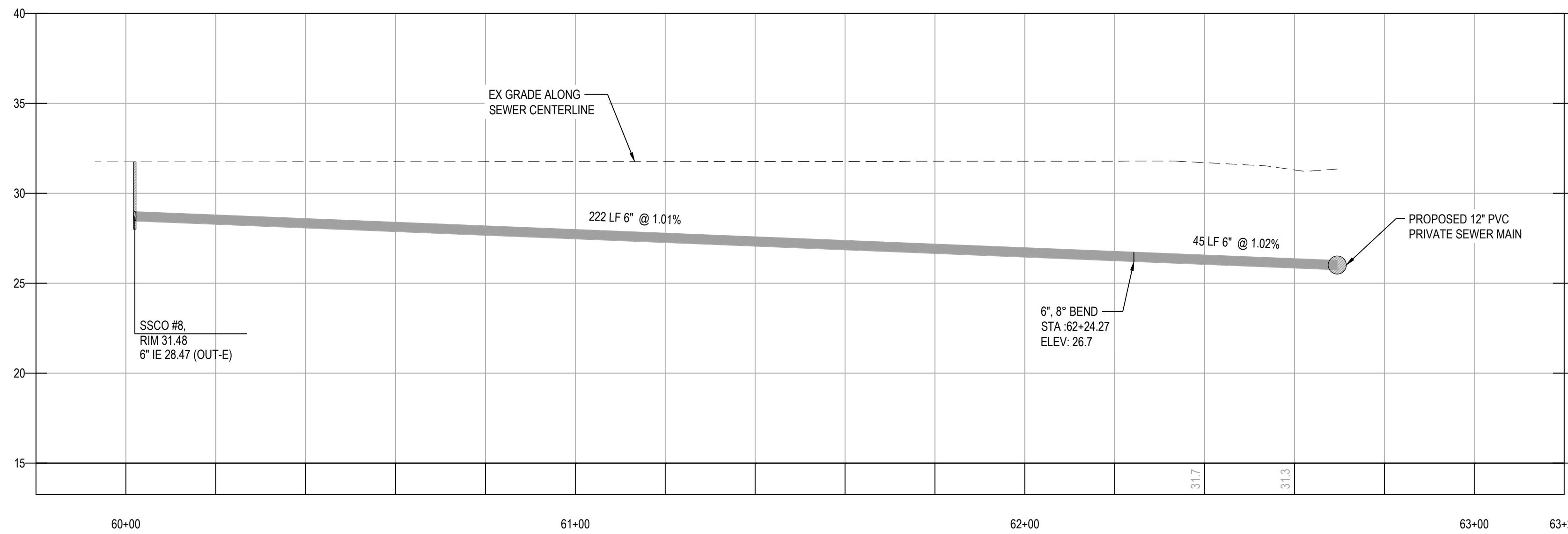




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**SIDE SEWER #5 PLAN**  
1"=20'



**SIDE SEWER #5 PROFILE**  
Sta 59+80.00 to 63+20.00  
HORIZONTAL 1"=20'  
VERTICAL 1"=5'

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**UTILITY NOTE**

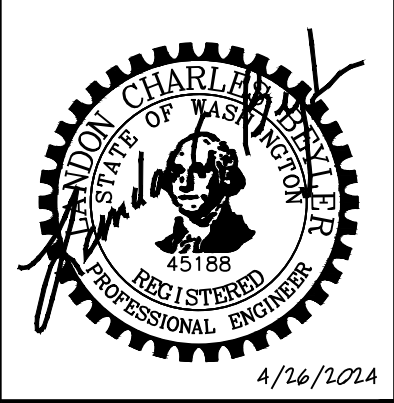
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**SIDE SEWER #5 PLAN & PROFILE**  
**296 ISLAND AIRE DR**  
HORSESHOE LAKE COMMUNITY SEWER DESIGN  
CITY OF WOODLAND WASHINGTON  
DESIGNED: DTY/WRK  
DRAWN: EJM  
CHECKED: LCB  
SCALE: HORIZ: 1"=20' VERT: 1"=5'  
DATE: 4/26/2024



JOB NUMBER  
**23.00123**  
SHEET  
**SS3.4**



