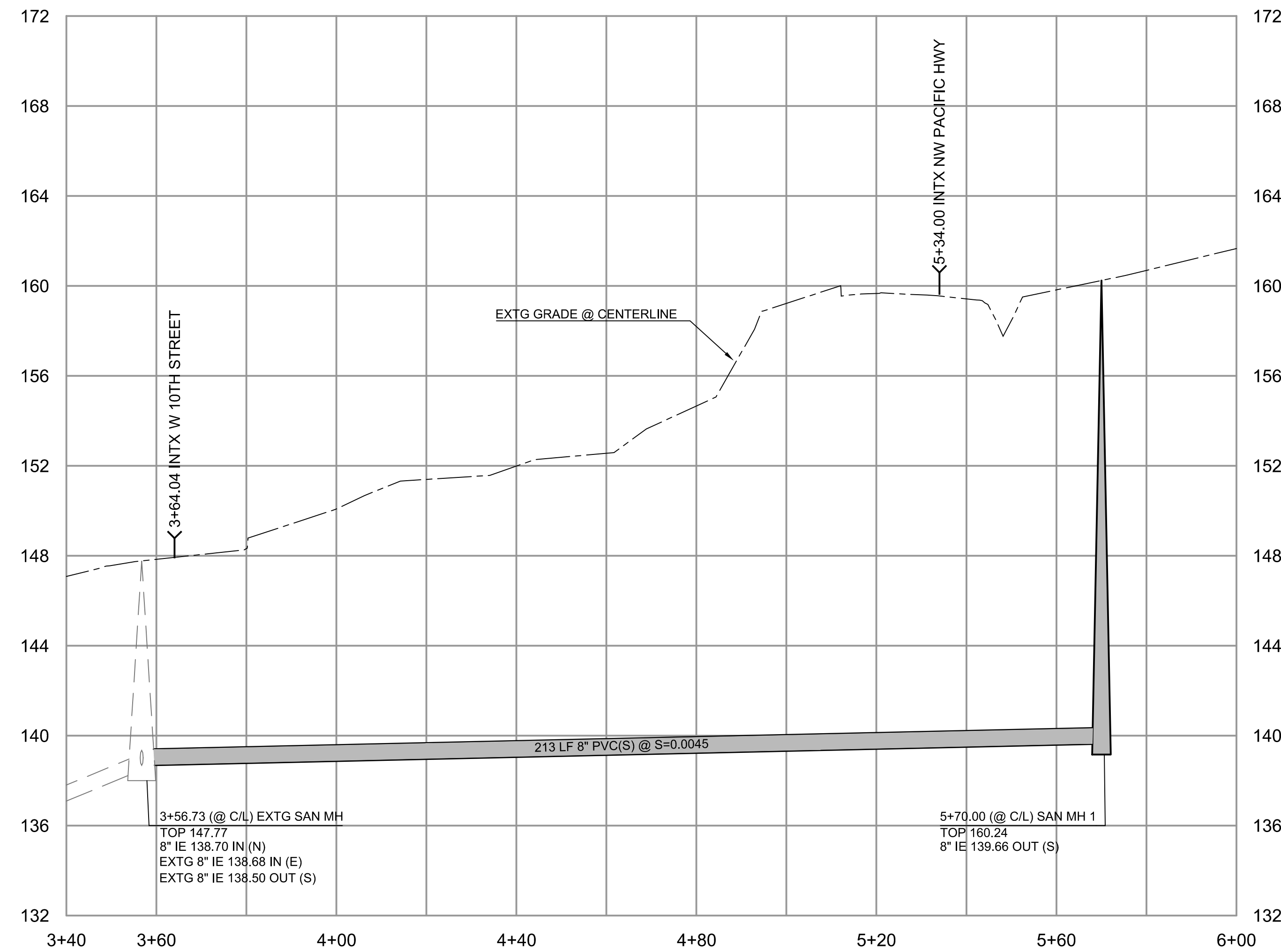
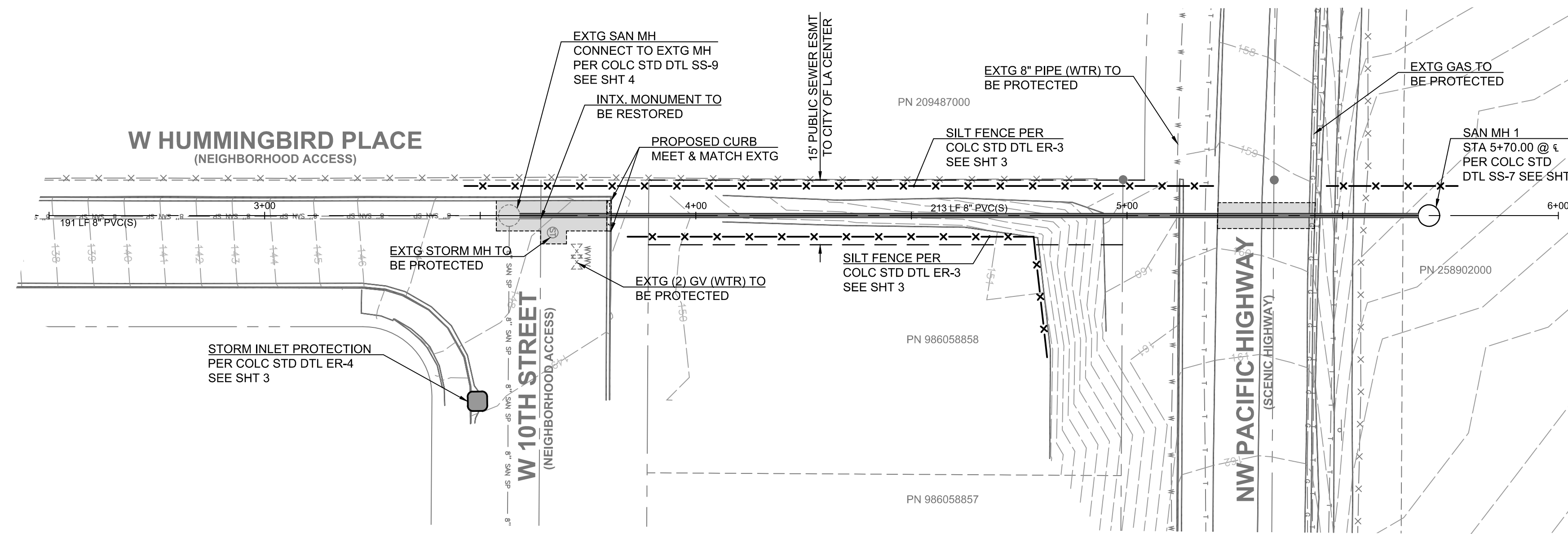
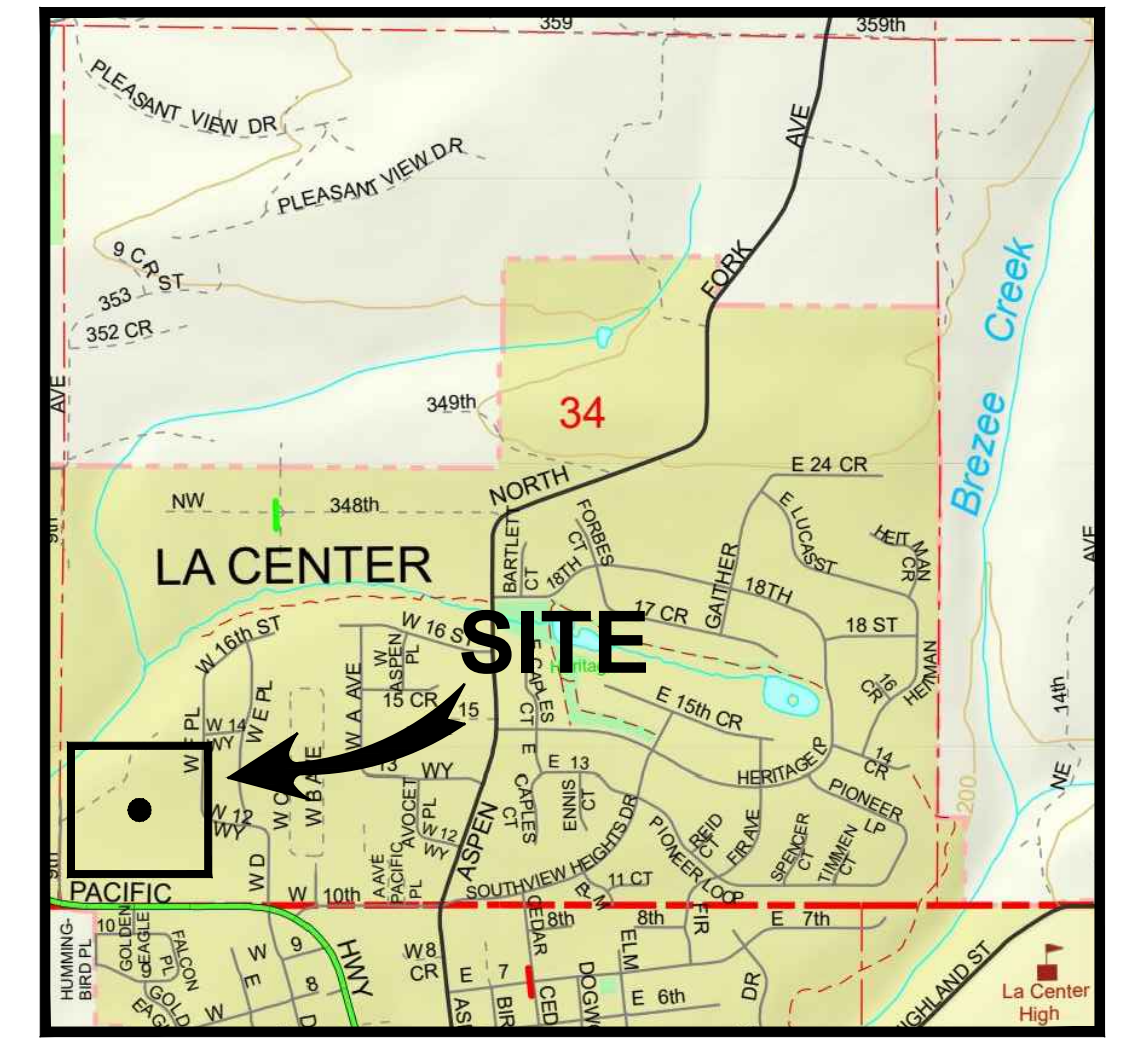


NW 9th Ave Subdivision

Located in the SW 1/4 of Section 34, T5N, R1E
La Center, Washington



Sheet Index	
1	Sewer Extension Plan & Profile
2	General Notes & Standard Details
3	COLC Erosion Control Details
4	COLC Sewer Details

GENERAL NOTES

OWNER/DEVELOPER:
Dan Wisner / Danny Martin
33901 NW Pacific Highway
La Center, WA 98629
PH (360) 607-7849

CIVIL ENGINEER:
PLS Engineering
Contact: Travis Johnson, PE
604 W Evergreen Blvd
Vancouver, WA 98660
PH: (360) 944-6519
pm@plsengineering.com

SITE ADDRESS:
Parcel # 258921-000 & 258902-000
33901 NW Pacific Highway
La Center, WA 98629

UTILITY COMPANY AND EMERGENCY CONTACTS:

City of La Center	(360) 263-2782
La Center Public Works	(360) 263-2745
La Center Police Dept	(360) 263-7665
Clark-Cowlitz Fire & Rescue	(360) 887-4609
Clark Public Utilities (Electric)	(360) 992-8558
Clark Public Utilities (Water)	(360) 992-8022
NW Natural Gas	(360) 571-5465
Utility Locates	(800) 424-5555

Legend	
Proposed Asphalt	
Proposed Concrete w/ Street Construction	

Scale 1" = 20'



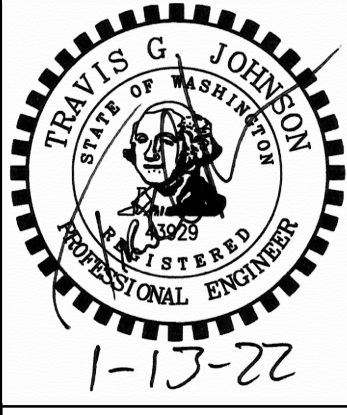
City of La Center

City Engineer _____ Date _____

NW 9th Ave Subdivision

Sewer Extension Plan & Profile For:
A Subdivision Located in the City of La Center

Revisions					
No.	Description	Date	By	Check	Appr.
1					
2					
3					
4					
5					
6					



Project No. 3332
SCALE: H: 1" = 20'
V: 1" = 4'
DESIGNED BY: CJH
DRAFTED BY: CJH
REVIEWED BY: TGT

GENERAL CONSTRUCTION NOTES:

A minimum of two (2) full business days prior to beginning construction, the Contractor shall call 1-800-424-5555 (Northwest Utility Notification Center) for location mark-up of existing utilities.

All construction, materials, and workmanship shall conform to the latest standards and practices of the City of La Center and the most recent Edition of the "Standard Specifications for Road, Bridge, and Municipal Construction" as prepared by WSDOT and APWA.

If any cultural resources are discovered in the course of undertaking a development activity, construction shall stop immediately and the Office of Archeology and Historic Preservation in Olympia and the City of La Center Public Works Department shall be notified. Failure to comply with these requirements may constitute a Class C felony, subject to imprisonment and/or fine.

Existing utilities shown are based on the topographic survey by PLS Engineering and available utility records from the City of La Center. Actual utilities, shall be field verified as far as location and depth.

Discrepancies between these drawings and actual field conditions should be reported to the engineer who will address the resolution of such discrepancies. Work done by the contractor after discovery of discrepancies is completed at the contractor's risk.

The contractor shall keep a legible approved set of plans on the project site at all times.

Any significant deviations from the plans will require approval from the project engineer and the City of La Center.

The contractor shall perform all work necessary to complete this project in accordance with the plans including such incidentals as may be necessary to meet applicable agency requirements.

The contractor shall maintain full compliance with all safety and pollution regulations as applicable to the project.

The contractor may be required to provide flagging, signs, and other traffic control devices for safe access onto public streets and for utility work in public right-of-way. All such devices shall conform to the standards established in the latest adopted edition of the "Manual on Uniform Traffic Control Devices (MUTCD)" published by the US Department of Transportation and the modifications to the MUTCD for streets and highways for the State of Washington.

Any curb, gutter, sidewalk, or asphalt in City right-of-way damaged during construction shall be repaired to City of La Center standards.

If any survey monuments or property corner markers are compromised, they shall be replaced, and a new survey boundary shall be recorded.

Boundary and topographic information provided by the owner. Exact location of existing infrastructure to be verified by Contractor.

Existing utilities shown on the plans are based on available information, and no guarantee is implied as to location accuracy and the existence or nonexistence of other utilities. Contractor shall field locate all existing utilities prior to construction.

All pavement shall be straight cut prior to paving. Existing pavement shall be removed as necessary to provide a smooth transition for both ride and drainage.

Contractor shall report all damages immediately to the project engineer at (360) 944-6519 or contact the inspector on the job. Any damage to structures in the public right-of-way will need to be repaired to the City of La Center standards.

Any significant deviations from the plans will require a request from the applicant's engineer and approval by the City's engineer and City inspector.

The applicant may be required to provide flagging, signs, and other traffic control devices for safe truck access onto public streets. All such devices shall conform to the standards established in the latest adopted edition of the "Manual on Uniform Traffic Control Devices"(MUTCD) published by the U.S. Department of Transportation and the Modifications to the MUTCD for Streets and Highways for the State of Washington.

The property owner/developer shall be responsible for obtaining all applicable permits including but not limited to permits for hydrostatic tests and dewatering discharges prior to commencing construction.

Survey Monuments shall be placed at all street intersections. Per LCMC, the monuments shall be brass and will be housed inside monument boxes.

SITE GRADING AND PAVING

Vegetation should be cleared and topsoil stripped from areas identified for structural facilities and site grading. Vegetation, other organic material, and debris should be removed from the site. Stripped topsoil should also be removed or used only as landscape fill in nonstructural areas with slopes less than 25 percent. The stripping depth is anticipated to vary from approximately 6 to 12 inches in proposed development areas. Stripped topsoil should be stockpiled prior to removal or placed in a separate designated location away from other material. The post-construction maximum depth of topsoil or landscaped fill placed or spread at any location onsite should not six inches (6").

Site grading activities should be performed in accordance with requirements specified in the most current version of the International Building Code (IBC), Chapter 18 and Appendix J, subject to any exceptions identified by the project geotechnical engineer.

All excavations should be made in accordance with applicable Federal and State Occupational Safety and Health Administration regulations.

For general site grading; contour lines, spot elevations and general drainage flow defined by slopes and swales have been shown. The elevations shown are minimum elevations required to promote drainage in a controlled drainage pattern. Any deviation from this grading plan shall first be coordinated with the Engineer.

Contractor shall comply with all City of La Center requirements such as; a drainage erosion control plan, a schedule of construction operations and any other pertinent data relative to site earth work.

The Contractor shall notify the City of La Center Public Works five (5) business days prior to starting any grubbing, grading or stockpiling work.

Exposed subgrade soils on areas to receive structural fill should be scarified to a depth of 8 inches.

A geotechnical engineer shall be consulted regarding any placement of structural fill. Contractor shall follow recommendations provided by the geotechnical engineer as to structural fill material, placement, and compaction

All work to be completed within the City of La Center right-of-way shall conform to City requirements.

All deleterious materials generated during site grading and strippings not utilized in the final ground cover operation shall be hauled from the site to a contractor provided legal and permitted waste/dump site.

All surfaces shall be graded smooth and free of irregularities that might accumulate surface water.

All grading operations and disturbed surface stabilization shall be in accordance with the project Grading and Erosion Control Plans.

The contractor shall remove all silt and debris resulting from this work which has been deposited in drainage facilities, roadways and other areas immediately after each rainfall event. The cost incurred for any necessary remedial action shall be payable by the contractor.

Best management practices (BMP) shall be employed at all times to the maximum extent practicable to prevent damage by sedimentation, erosion or dust to streams, water courses, natural areas and the property of others.

EROSION AND SEDIMENT CONTROL

See City of La Center Standard Plan ER-1A and ER-1B for standard City erosion prevention and sediment control notes. Those requirements apply to this project in addition to the below requirements.

Erosion control methods shall comply with the Stormwater Management Manual for Western Washington, Volume 2 and this plan.

Approval of this Erosion and Sediment Control (ESC) plan does not constitute an approval of permanent road or drainage design.

The contractor shall obtain approval from the City of La Center prior to any discharge of construction dewatering groundwater to the City's storm sewer or sanitary sewer.

Any groundwater discharged to the surface or to the storm sewer from construction dewatering shall meet the water quality requirements of the State of Washington.

The implementation of these ESC plans and the construction, maintenance, replacement, and upgrading of these ESC facilities is the responsibility of the contractor until all construction is completed and approved, and vegetation is established.

The ESC facilities show on this plan must be constructed and approved by the City of La Center prior to all clearing and grading activities. ESC facilities shall be constructed in such a manner as to ensure that sediment and sediment laden water do not enter the drainage system, roadways, or violate applicable water standards.

Care should be taken to not disturb more area than needed for construction requirements. All disturbed soils surfaces are to be stabilized. Stabilization of disturbed soil areas will consist of: hydroseeding or handseeding, mulching, placing of erosion control blankets or plastic in landscaping soil areas. It will also consist of paving and concrete work in driving, parking and sidewalk areas. All seeded areas are to be fertilized, watered and maintained to enhance the immediate regrowth of vegetation.

General Notes & Standard Details For:

NW 9th Ave Subdivision

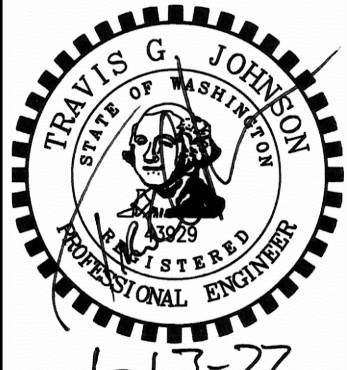
A Subdivision Located in the City of La Center

Engineering - Surveying - Planning | 604 W. Evergreen Blvd., Vancouver, WA 98660 | PH (360) 944-6519 | Fax (360) 944-6539

PLS ENGINEERING

Revisions

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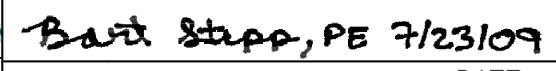


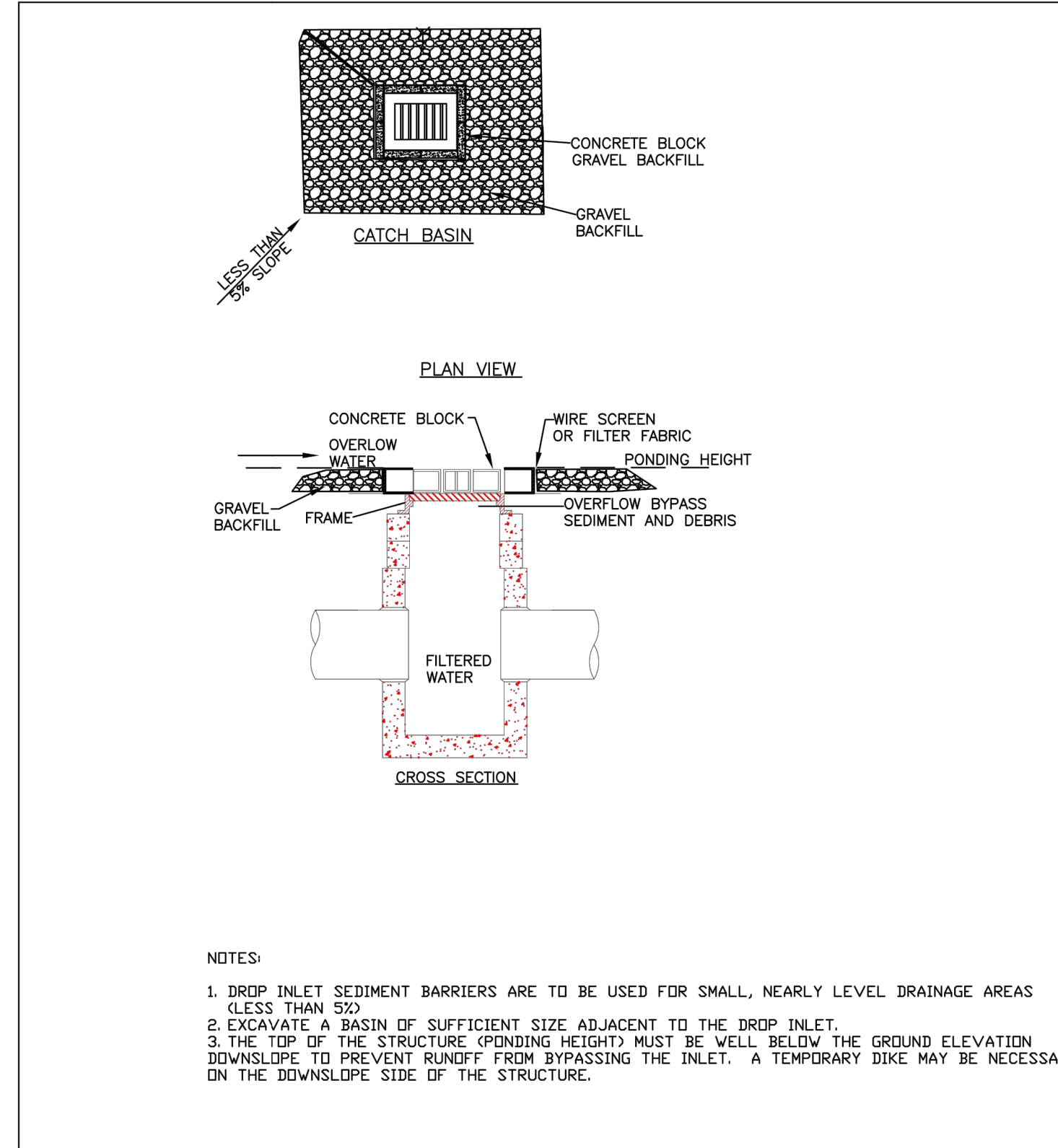
Project No. 3332
 SCALE: H: N/A
 V: N/A
 DESIGNED BY: CJH
 DRAFTED BY: CJH
 REVIEWED BY: TGJ

13. 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 THE PAD SHALL BE A MINIMUM OF 20 FEET. ALL TRUCKS LEAVING THE SITE SHALL EGRESS ACROSS 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.
14. PAVEMENT SWEEPING AND SHOVELING IS REQUIRED. WASHING THE PAVEMENT INTO THE STORM SYSTEM IS NOT PERMITTED.
15. 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.
16. INSTALL SEDIMENT FENCE IN ACCORDANCE WITH DETAIL ER-3 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.
17. CONSTRUCTION ROADS AND PARKING AREAS SHALL BE STABILIZED WHEREVER THEY ARE CONSTRUCTED, WHETHER PERMANENT OR TEMPORARY, FOR THE USE OF CONSTRUCTION TRAFFIC.
18. 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.
19. 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.
20. 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.
21. IN AREAS SUBJECT TO SURFACE AND AIR MOVEMENT OF DUST ONE OR MORE OF THE FOLLOWING PREVENTATIVE MEASURES SHALL BE TAKEN FOR DUST CONTROL:
 - MINIMIZE THE PERIOD OF SOIL EXPOSURE THROUGH THE USE OF TEMPORARY GROUND COVER AND OTHER TEMPORARY STABILIZATION PRACTICES.
 - SPRINKLE THE SITE WITH WATER UNTIL THE SURFACE IS WET.
 - SPRAY EXPOSED SOIL AREAS WITH A DUST PALLIATIVE. NOTE: USE OF PETROLEUM PRODUCTS OR POTENTIALLY HAZARDOUS MATERIALS ARE PROHIBITED.
22. EXPOSED SURFACES THAT WILL NOT BE BROUGHT TO FINAL GRADING 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/SEDIMENTATION. 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.
23. 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 CONTROL GENERAL NOTES II

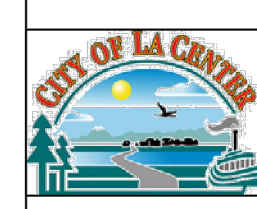

PLAN #

	CITY OF LA CENTER APPROVED	REVISIONS:	DATE:	DRAWN:	DESIGNED:	ER-1B
	 Bart Stapp, PE 7/23/09 CITY ENGINEER DATE					



BLOCK AND GRAVEL INLET PROTECTION


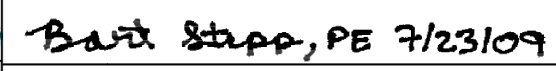
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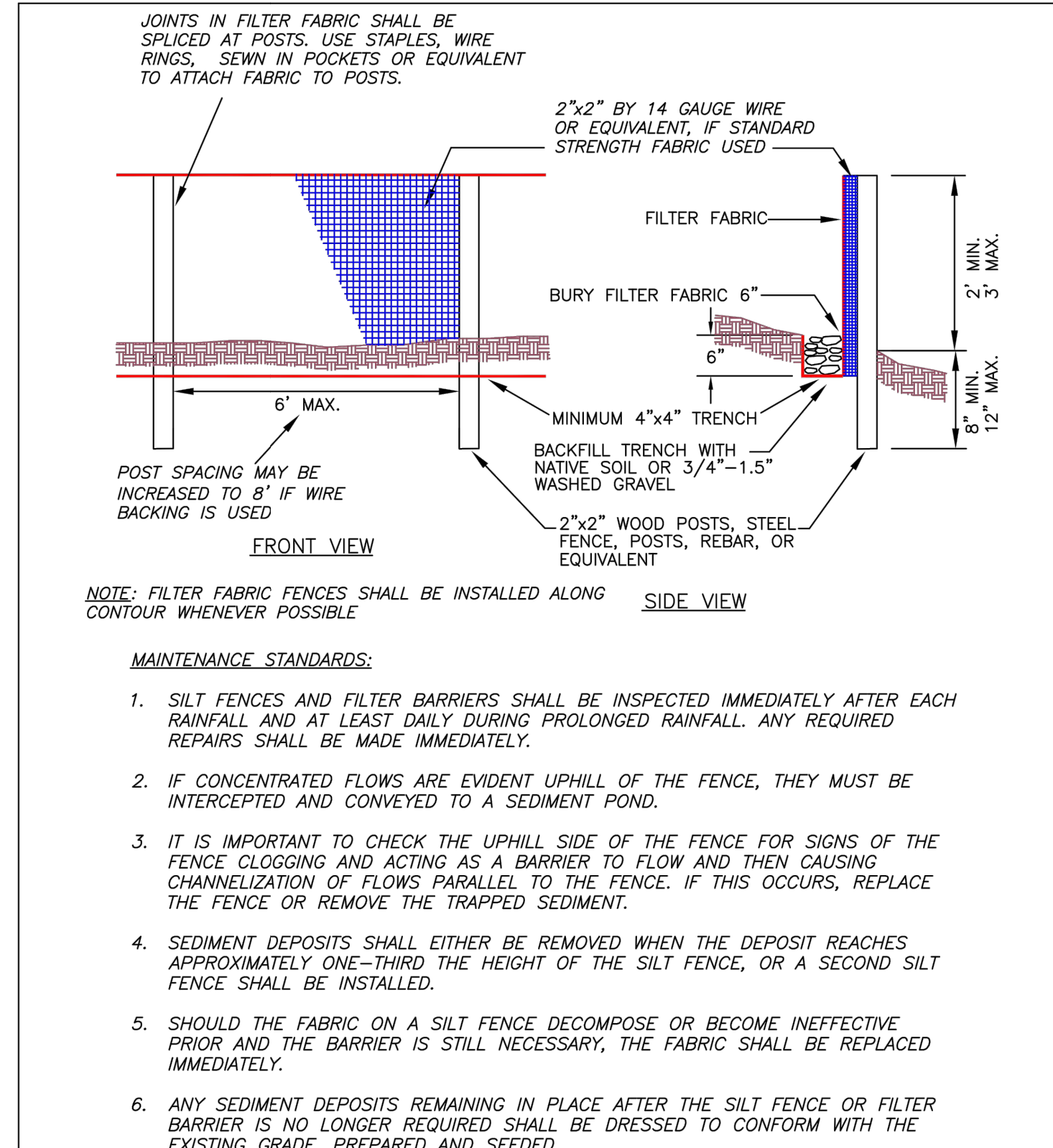
	CITY OF LA CENTER APPROVED	REVISIONS:	DATE:	DRAWN:	DESIGNED:	ER-4
	 Anthony Pealogen 4-5-17 CITY ENGINEER DATE					

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 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 LA CENTER ENGINEERING STANDARDS FOR PUBLIC WORKS CONSTRUCTION.
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 SITEMARK.
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 DIKES 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 TARPS OR PLASTIC SHEETING WEIGHTED WITH CONCRETE BLOCKS, LUMBER OR TIRES.
 - 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, CITATIONS AND/OR A STOP WORK ORDER SHALL BE ISSUED UNTIL PROPER MEASURES HAVE BEEN TAKEN AND APPROVED BY THE CITY OF LA CENTER. 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 CITY SHALL REQUIRE ADDITIONAL BMPs.
12. ALTERNATIVE BMPs NOT SHOWN IN THESE DETAILS ARE ACCEPTABLE PROVIDED THEY ARE PART OF ECOLOGY'S WESTERN WASHINGTON STORMWATER MANAGEMENT MANUAL AND THE CITY ENGINEER REVIEWS AND APPROVES THE ALTERNATIVE BMPs AS PART OF THE EROSION CONTROL PLAN PRIOR TO THE START OF CONSTRUCTION.

EROSION CONTROL GENERAL NOTES I

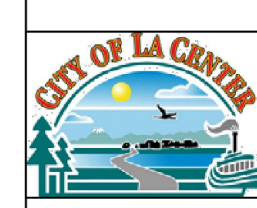

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	 Bart Stapp, PE 7/23/09 CITY ENGINEER DATE					



FILTER FABRIC FENCE

PLAN #

	CITY OF LA CENTER APPROVED	REVISIONS:	DATE:	DRAWN:	DESIGNED:	ER-3
	 Bart Stapp, PE 7/23/09 CITY ENGINEER DATE					

COLC Erosion Control Details For:

NW 9th Ave Subdivision
 A Subdivision Located in the City of La Center

Engineering - Surveying - Planning - PH (360) 944-6519 - Vancouver, WA 98660 - Fax (360) 944-6539

PLS ENGINEERING

Revisions

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Project No. 3332

SCALE: H: N/A
V: N/A

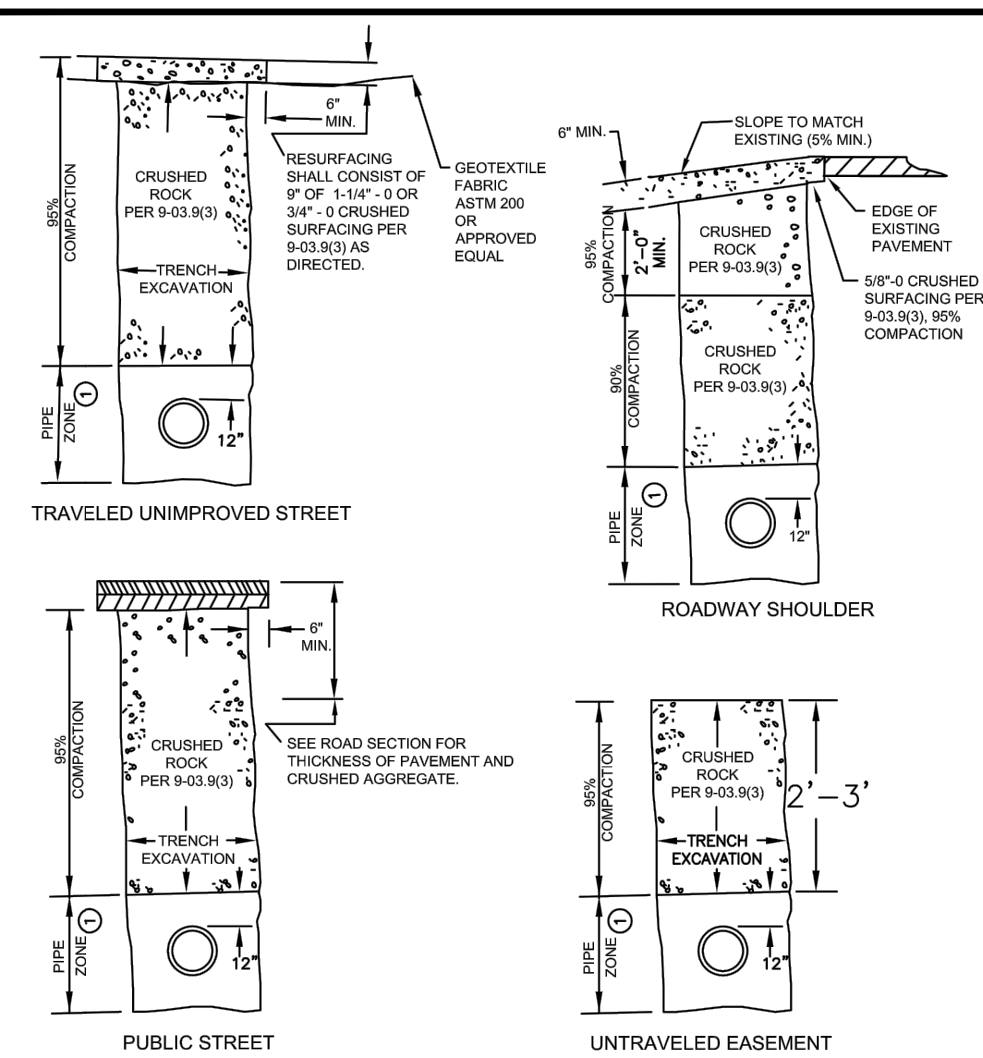
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DRAFTED BY: CJH

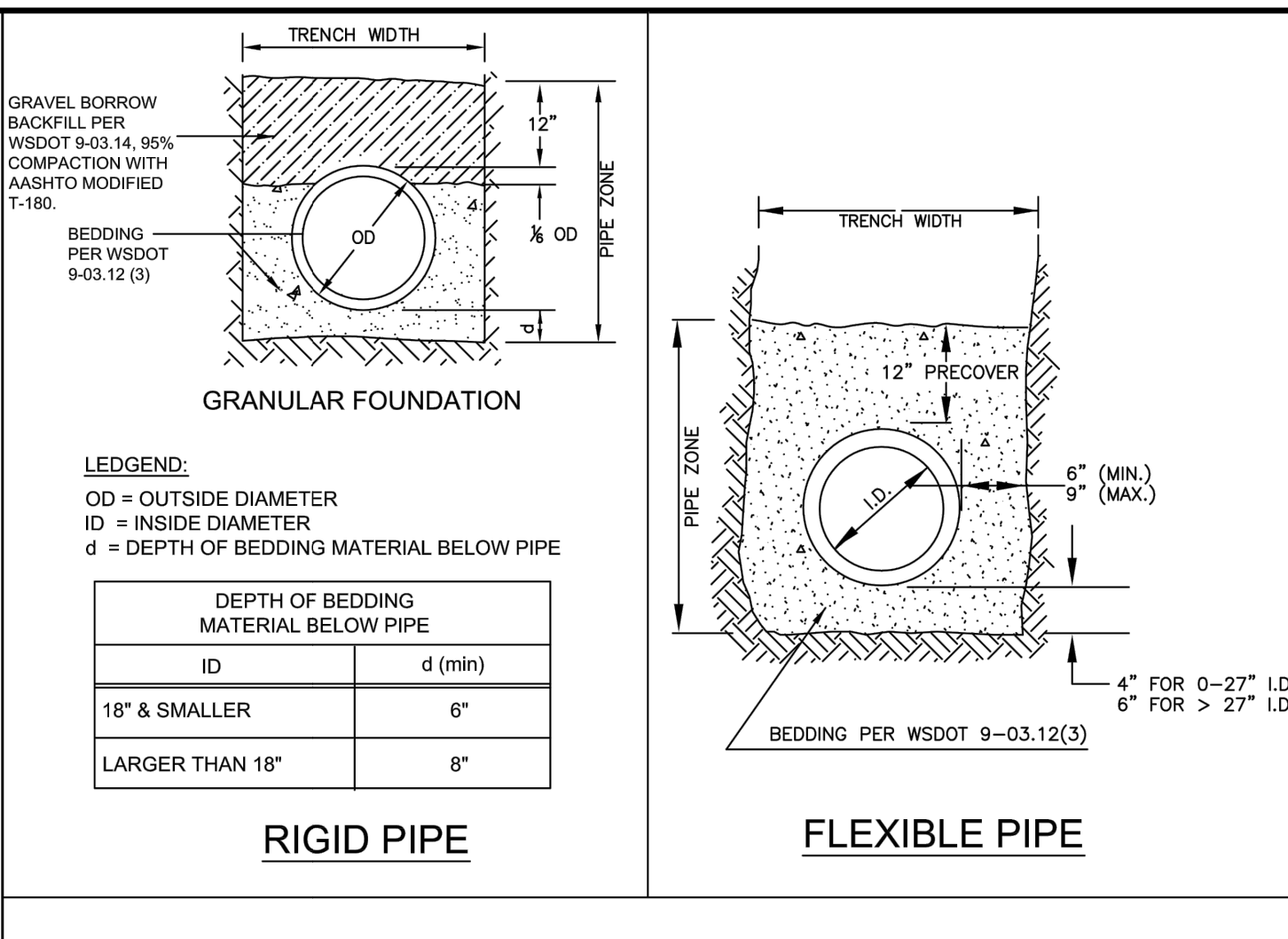
REVIEWED BY: TGI

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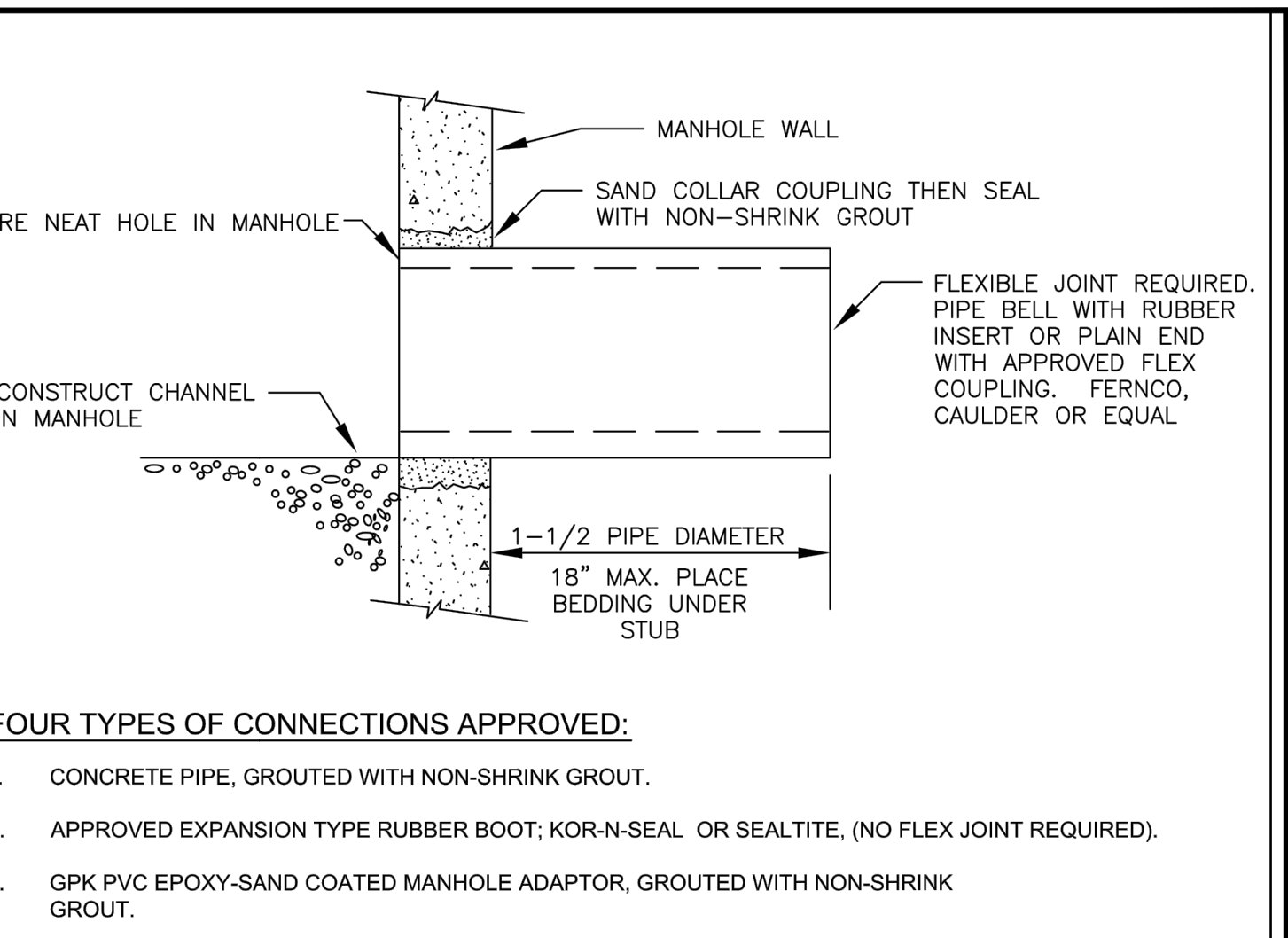
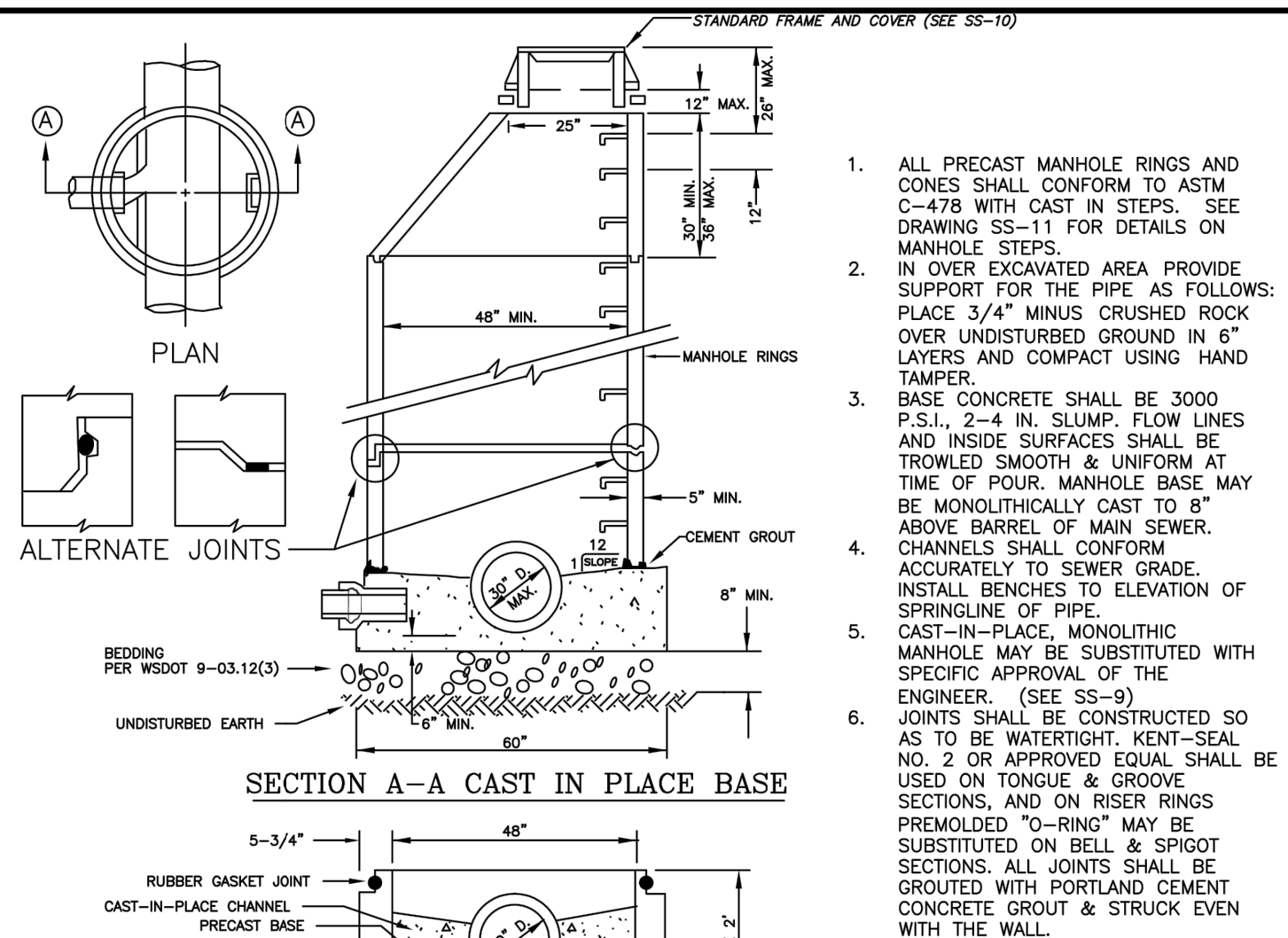
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- NOTES:**
- FOR PIPE ZONE BEDDING, BACKFILL AND COMPACTION REQUIREMENTS, SEE SS-5.
 - COMPACTION PERCENTAGES REFER TO RELATIVE DRY DENSITY AS DETERMINED ACCORDING TO STANDARD SPECIFICATIONS SECTION 2-03.3(14)(D).
 - CONTRACTOR MAY USE UP TO 2-1/2" OF 5/8" - 0 OR 3/4" - 0 CRUSHED AGGREGATE IN LIEU OF TRENCH TO PROVIDE A NEAT STRAIGHT EDGE.
 - ALL EXISTING PAVED SURFACES SHALL BE SAW CUT A MINIMUM OF 6" OUTSIDE OF EDGE OF TRENCH TO PROVIDE A NEAT STRAIGHT EDGE.
 - THE EDGES OF ALL EXISTING ASPHALT SURFACES SHALL BE CLEANED AND A TACK COAT SHALL BE APPLIED. A JOINT SEALER SHALL BE APPLIED AND SHALL CONFORM TO WSDOT STANDARD SPECIFICATIONS, (8-04). ALL JOINTS WILL BE SEALED AND SANDED.
 - ALL BACKFILL SHALL BE MECHANICALLY COMPACTED IN LIFTS WHICH IN NO CASE EXCEED 12" LOOSE.



- NOTES:**
- WHERE DIRECTED BY THE PUBLIC WORKS DIRECTOR, GRANULAR TRENCH FOUNDATION STABILIZATION SHALL BE PLACED PRIOR TO PLACEMENT OF THE BEDDING. SIZE AND DEPTH ARE DEPENDENT ON SOIL CONDITIONS. BEDDING AND BACKFILL MATERIALS IN THE PIPE ZONE SHALL BE COMPACTED AS SPECIFIED PRIOR TO BACKFILLING THE REMAINDER OF THE TRENCH.
 - FOR ROCK AND OTHER INCOMPRESSIBLE MATERIALS, THE TRENCH SHALL BE OVER EXCAVATED A MINIMUM OF 6" AND REFILLED WITH GRANULAR MATERIALS AS DIRECTED BY THE PUBLIC WORKS DIRECTOR.
 - IMPORTED GRANULAR MATERIAL SHALL BE USED FOR UTILITY TRENCH BACKFILL. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 72 HOURS PRIOR TO USE. THE PUBLIC WORKS DIRECTOR MAY APPROVE, REJECT OR REQUIRE LABORATORY TESTING OF THE MATERIAL.
 - TRENCH WIDTH SHALL NOT EXCEED ONE AND ONE-HALF THE INSIDE DIAMETER OF THE PIPE PLUS 18" AT THE TOP OF THE PIPE ZONE.
 - APPROVAL FOR SUCH ALTERNATE MATERIALS WILL BE GRANTED UPON CONFIRMATION BY TEST OF ITS COMPLIANCE WITH THESE REQUIREMENTS.
 - ALTERNATIVE PRE-COVER MATERIALS ARE ALLOWABLE FROM PIPE CENTERLINE TO ONE FOOT ABOVE THE TOP OF THE PIPE FOR FLEXIBLE PIPE. ALTERNATE PRE-COVER MATERIALS MUST BE PRE-APPROVED BY THE INSPECTOR AND MAY BE SAND, CRUSHER SCREENINGS, GRAVEL, OR OTHER CLEAN GRANULAR MATERIAL CONTAINING NO ROCK LARGER THAN 1-1/4" IN LENGTH.



- NOTES:**
- CENTER STUB OR SLEEVE IN HOLE W/2" GROUTED SPACE ALL AROUND. CORE HOLE 4" LARGER THAN O.D. OF STUB OR SLEEVE.
 - STANDARD GROUT WILL NOT BE ACCEPTED AS A SUBSTITUTE FOR NON-SHRINK GROUT. NON-SHRINK GROUT SHALL BE FIVE STAR, SIKKA 212, EUCCO N-5 OR AS APPROVED.
 - STUB-OUTS INSTALLED FOR FUTURE EXTENSION ARE TO BE PLUGGED AT BOTH ENDS AND MARKED.

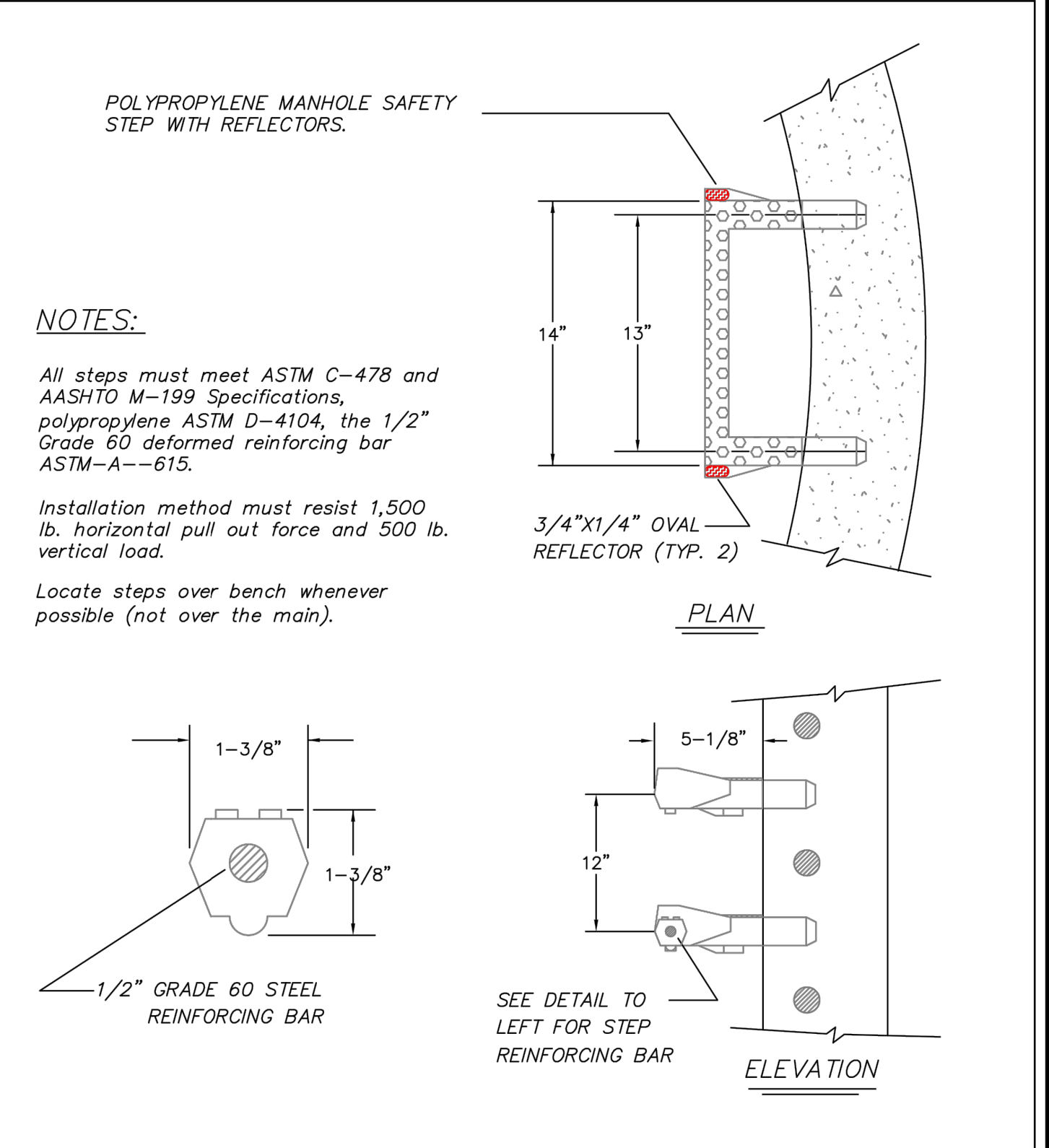
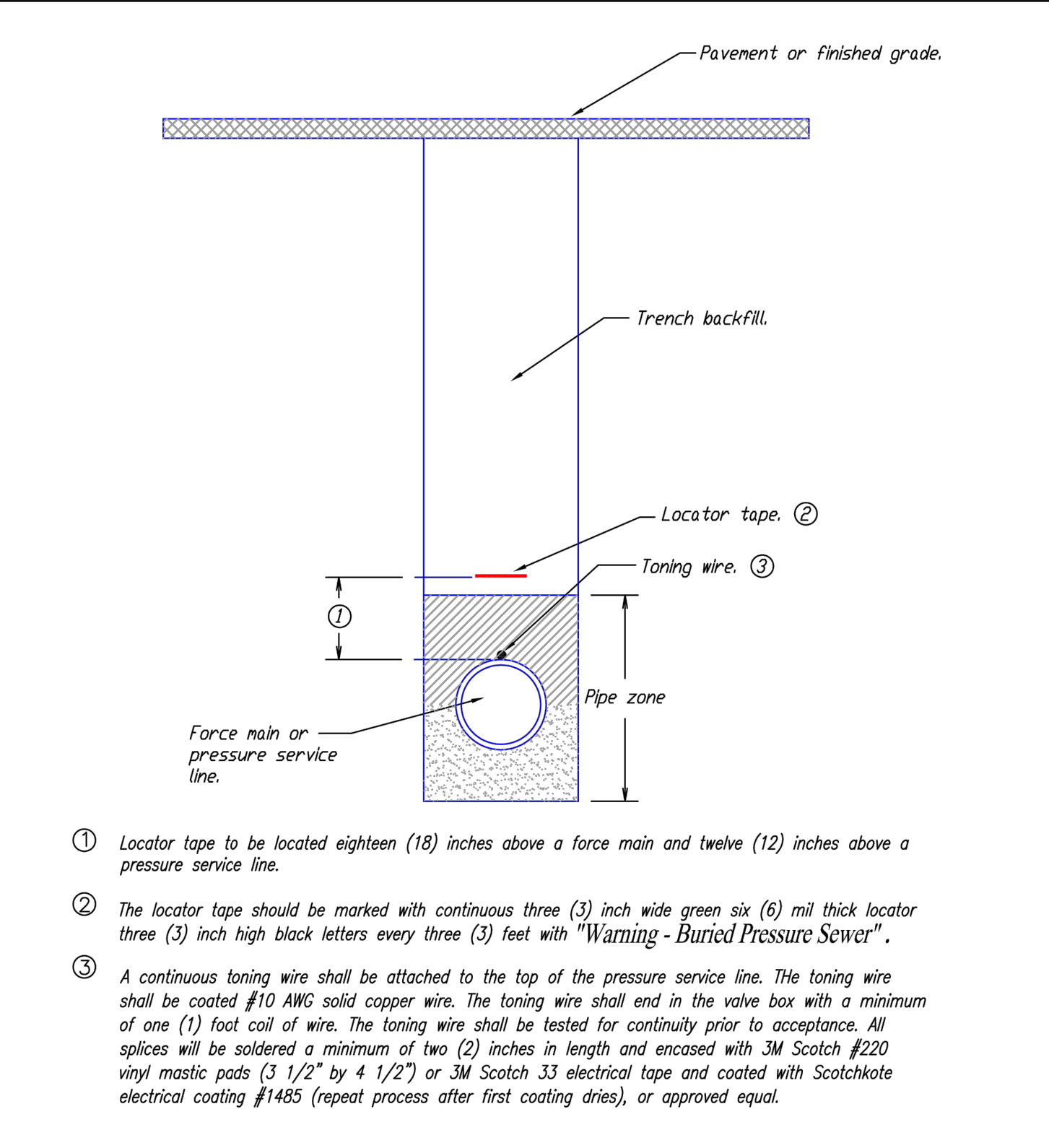
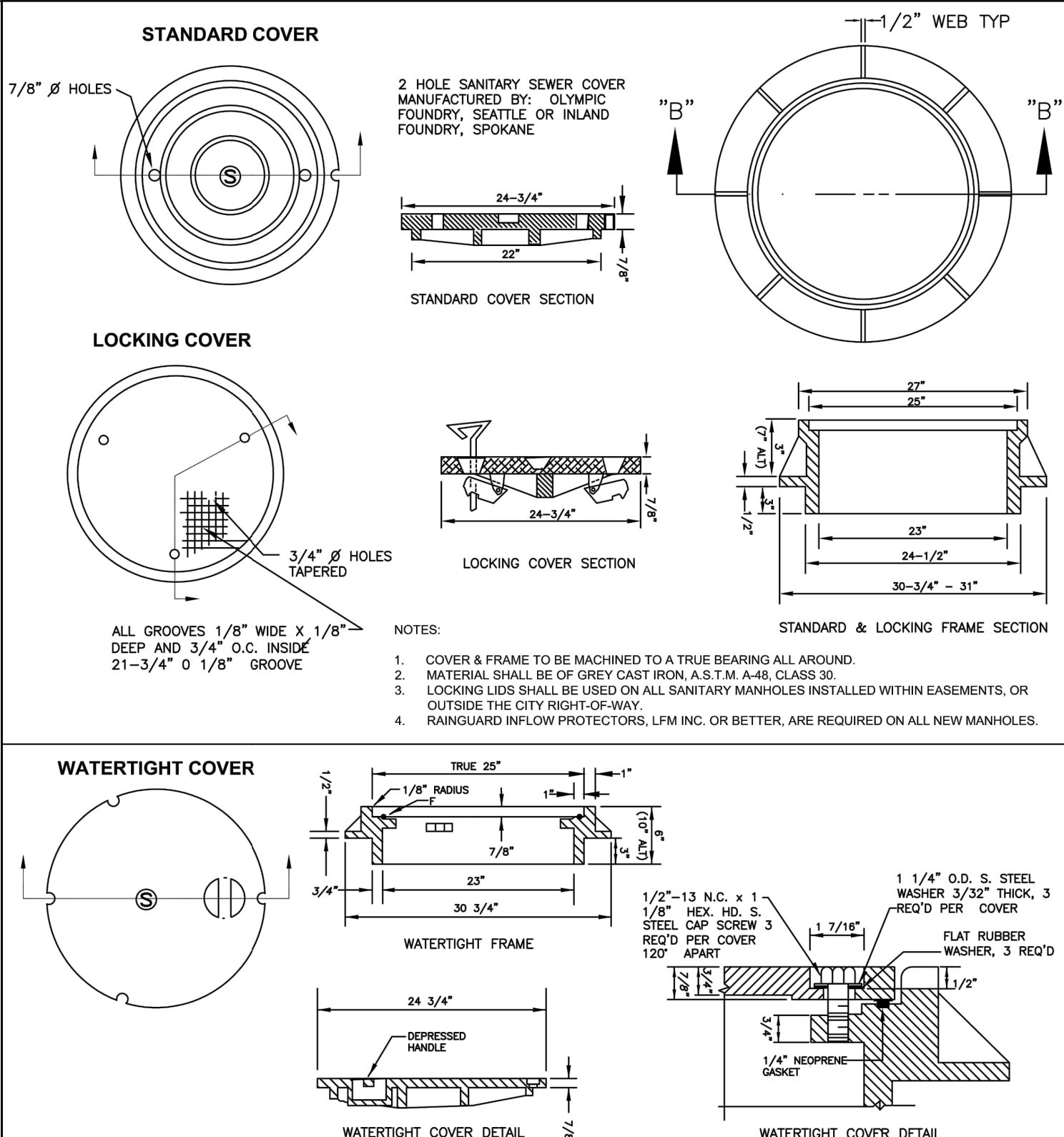
TYPICAL TRENCH BACKFILL		PLAN #
CITY OF LA CENTER APPROVED	REVISIONS: DATE: DRAWN: DESIGNED:	SS-4
<i>Barth Stapp, PE 7/23/09</i>		
CITY ENGINEER	DATE	

PIPE BEDDING (RIGID AND FLEXIBLE PIPE)		PLAN #
CITY OF LA CENTER APPROVED	REVISIONS: DATE: DRAWN: DESIGNED:	SS-5
<i>Barth Stapp, PE 7/23/09</i>		
CITY ENGINEER	DATE	

STANDARD PRECAST MANHOLE		PLAN #
CITY OF LA CENTER APPROVED	REVISIONS: DATE: DRAWN: DESIGNED:	SS-7
<i>Barth Stapp, PE 7/23/09</i>		
CITY ENGINEER	DATE	

MANHOLE CONNECTION DETAILS		PLAN #
CITY OF LA CENTER APPROVED	REVISIONS: DATE: DRAWN: DESIGNED:	SS-9
<i>Barth Stapp, PE 7/23/09</i>		
CITY ENGINEER	DATE	

- SANITARY SEWER GENERAL NOTES:**
- ALL MATERIALS, WORKMANSHIP AND INSTALLATION OF SANITARY SEWERS SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE "CITY OF LA CENTER STANDARDS" AND THE LATEST EDITION OF THE "WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION", HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS", PREPARED BY THE WASHINGTON STATE CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION (APWA) AND THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION, EXCEPT AS NOTED HEREIN OR ON THE STANDARD PLANS.
 - ALL SANITARY SEWER CONSTRUCTION IS SUBJECT TO INSPECTION, AND APPROVAL, PRIOR TO COVER BY THE CITY OF LA CENTER. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION OFFICE AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION. A PRE-CONSTRUCTION MEETING IS REQUIRED PRIOR BEGINNING OF THE CONSTRUCTION.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO THE START OF CONSTRUCTION AND TO NOTIFY THE ENGINEER OF ANY POTENTIAL CONFLICTS. THE CONTRACTOR SHALL DIG TEST HOLES OVER ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THEIR EXACT LOCATION. CALL 1-800-424-6556, (NORTHWEST UTILITY NOTIFICATION CENTER), FOR MARK-UP OF EXISTING UTILITIES, A MINIMUM OF 2 WORKING DAYS PRIOR TO START OF CONSTRUCTION.
 - ALL PIPE AND FITTINGS SHALL CONFORM TO LCMC 13.10.150 AND THE FOLLOWING:
 - POLYVINYLCHLORIDE (PVC) SEWER PIPE 15" DIAMETER OR LESS SHALL CONFORM TO ASTM D3034, SDR 35. PVC PIPE 18" DIAMETER AND LARGER SHALL CONFORM TO ASTM F 679. ALL PVC PIPE SHALL HAVE AN INTEGRAL BELL GASKETED JOINT WITH ELASTOMERIC GASKET AND SHALL BE FURNISHED IN 12-1/2 FOOT LAYING LENGTHS.
 - DUCTILE IRON (DI) PIPE SHALL CONFORM TO ANSI A21.51 OR AWWA C-151, WITH PUSH-ON JOINTS, UNLESS OTHERWISE NOTED.
 - MANHOLES, CLEANOUTS, SERVICE LATERAL CONNECTIONS, TRENCH EXCAVATION, PIPE BEDDING AND STREET RESTORATION, AND APPURTENANCES SHALL CONFORM TO THE DETAILS SHOWN ON THE STANDARD PLANS. ALL OTHER CONSTRUCTION SHALL CONFORM TO THE LATEST STANDARD DETAILS CONTAINED IN THE WSDOT "STANDARD PLANS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION".
 - ALL SANITARY MANHOLES INSTALLED WITHIN AN EASEMENT OR OUTSIDE THE CITY RIGHT-OF-WAY SHALL HAVE LOCKING LID COVERS AND EXTEND ONE FOOT (1') ABOVE GRADE.
 - THE CONTRACTOR SHALL OBTAIN A RIGHT-OF-WAY PERMIT FOR WORK WITHIN THE PUBLIC RIGHT OF WAY. THE CONTRACTOR SHALL SUBMIT AN APPROVED TRAFFIC CONTROL PLAN. INSIDE THE CITY THIS PLAN SHALL BE APPROVED BY THE CITY OF LA CENTER PUBLIC WORKS DIRECTOR OR DESIGNEE AND OUTSIDE THE CITY IT SHALL BE APPROVED BY THE CLARK COUNTY TRAFFIC ENGINEER (360-397-2446). APPROVAL SHALL BE OBTAINED PRIOR TO BEGINNING CONSTRUCTION.
 - ALL PIPES SHALL BE PLUGGED AT THE END OF EACH WORKING DAY.
 - ALL TRENCHES SHALL BE FILLED AND COMPACTED UP TIGHT AT THE END OF EACH WORKING DAY.
 - A CLEANOUT OR MANHOLE IS REQUIRED AT THE END OF ALL LINES.
 - PRE-PAVEMENT AS-BUILTS ARE REQUIRED.



GENERAL SANITARY SEWER NOTES		PLAN #
CITY OF LA CENTER APPROVED	REVISIONS: DATE: DRAWN: DESIGNED:	SS-1
<i>Barth Stapp, PE 7/23/09</i>		
CITY ENGINEER	DATE	

STANDARD MANHOLE FRAMES & COVERS		PLAN #
CITY OF LA CENTER APPROVED	REVISIONS: DATE: DRAWN: DESIGNED:	SS-10
<i>Barth Stapp, PE 7/23/09</i>		
CITY ENGINEER	DATE	

TONING WIRE AND LOCATOR TAPE		PLAN #
CITY OF LA CENTER APPROVED	REVISIONS: DATE: DRAWN: DESIGNED:	SS-20
<i>Barth Stapp, PE 7/23/09</i>		
CITY ENGINEER	DATE	

MANHOLE STEP DETAIL		PLAN #
CITY OF LA CENTER APPROVED	REVISIONS: DATE: DRAWN: DESIGNED:	SS-11
<i>Barth Stapp, PE 7/23/09</i>		
CITY ENGINEER	DATE	

COLC Sewer Details For:

NW 9th Ave Subdivision

A Subdivision Located in the City of La Center

Engineering - Surveying - Planning - 604 W. Evergreen Blvd., Vancouver, WA 98660 PH (360) 944-6519 Fax (360) 944-6539

PLS ENGINEERING

Revisions	1	2	3	4	5	6

1-13-22

Project No. 3332

SCALE: H: N/A
V: N/A

DESIGNED BY: CHH
DRAFTED BY: CHH
REVIEWED BY: TGJ

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