707 39TH AVE. S.E. PUYALLUP, WA 98374

LEGAL DESCRIPTION

(PER FIRST AMERICAN TITLE INSURANCE COMPANY'S FILE NO. NCS-811513-WA1, DATED AUGUST 30,

REVISED PARCEL 2 OF CITY OF PUYALLUP BOUNDARY LINE ADJUSTMENT NO. 06-84-007, RECORDED AUGUST 18, 2006 UNDER RECORDING NO. 200608185003 AND AFFIDAVIT OF MINOR CORRECTION OF SURVEY RECORDED NOVEMBER 30, 2006 UNDER RECORDING NO. 200611300893, RECORDS OF PIERCE

A NON-EXCLUSIVE EASEMENT FOR INGRESS AND EGRESS CREATED BY INSTRUMENT RECORDED APRIL 26, 2007 UNDER RECORDING NO. 200704260812, IN PIERCE COUNTY, WASHINGTON. HORIZONTAL DATUM (NAD 83/91)- BASIS OF BEARINGS SOUTH 05°28'09" EAST, AS MEASURED BETWEEN W.S.D.O.T. MONUMENT ID

VERTICAL DATUM - (NAVD 1988)

BENCHMARK: W.S.D.O.T. MONUMENT ID 244 (GP27512-17), BEING THE TOP OF A FOUND 3" BRASS DISK "1991 GP27512-17" ON NORTH SIDE OF MERIDIAN AVE., 30' EAST OF N.E. CORNER OF SR-512 OVERPASS ELEV. = 409.93 US FEET

PROCEDURE / NARRATIVE

A FIELD TRAVERSE USING A "TOPCON QS" AND SPECTRA "FOCUS 30" TOTAL STATION, "TOPCON GR5" AND "TDS RANGER" DATA COLLECTOR SUPPLEMENTED WITH GPS AND FIELD NOTES WAS PERFORMED, ESTABLISHING THE ANGULAR, DISTANCE, BETWEEN THE MONUMENTS, PROPERTY LINES, AND TOPOGRAPHIC FEATURES AS SHOWN HEREON. THE RESULTING DATA MEETS OR OR EXCEEDS THE STANDARDS FOR LAND BOUNDARY SURVEYS AS SET FORTH IN WAC 332-130-090.

DATES OF SURVEYS:

244 AND 4208.

FIELD SURVEY BY BARGHAUSEN CONSULTING ENGINEERS, INC. CONDUCTED IN MAY 2015 AND SEPTEMBER 2016. ALL MONUMENTS SHOWN AS FOUND WERE VISITED IN 2015.

TAX ACCOUNT NUMBERS: 0419037014

CALCULATED AREA:

625,733.52± SQ. FT. (14.36± ACRES) PROPERTY ADDRESS:

707 39TH AVE. S.E. PUYALLUP, WA 98374

SURVEYORS NOTES:

. UNDERGROUND UTILITIES AND FEATURES DEPICTED HEREON ARE BASED ON FIELD OBSERVATION, MARKINGS, DEVELOPMENT PLANS, AND/OR AVAILABLE RECORD DOCUMENTS ONLY. THE TRUE LOCATION, NATURE AND/OR EXISTENCE OF BELOW GROUND FEATURES, DETECTED OR UNDETECTED, SHOULD BE

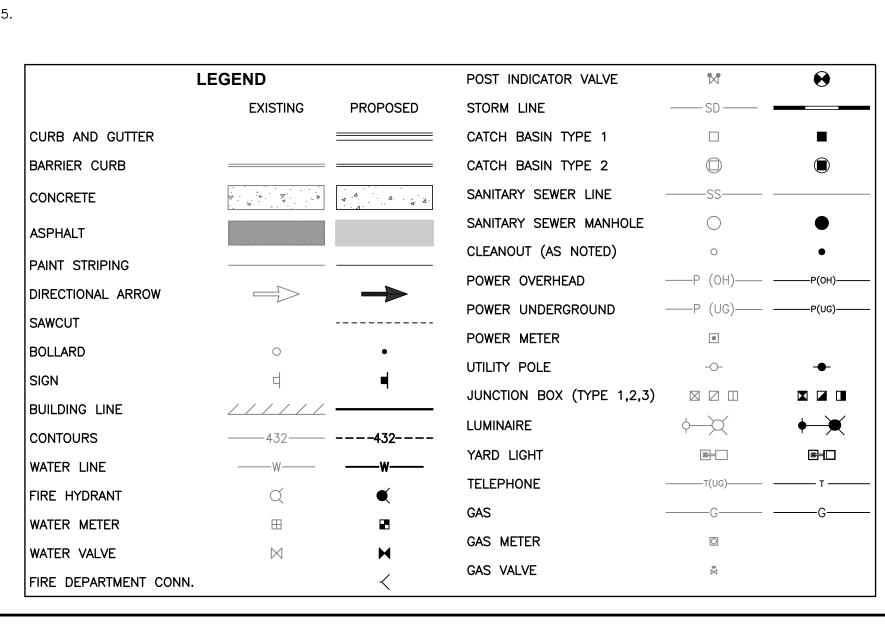
- 2. ALL DISTANCES ARE IN US FEET
- 3. NO BUILDINGS ARE WITHIN THE SURVEYED AREA
- 4. THERE WAS NO EVIDENCE OF CURRENT EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS OBSERVED AT THE TIME OF THE
- 5. THERE WAS NO EVIDENCE OF SITE USE AS A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL WAS OBSERVED AT THE TIME OF THE FIELD
- 6. NO PARKING OR STRIPING WAS FOUND ON SITE.
- 7. FLAGGED WETLANDS SHOWN AS LOCATED IN THE FIELD IN 2015.
- 8. NO ZONING INFORMATION HAS BEEN PROVIDED AS OF OCTOBER 13, 2016

REFERENCE SURVEYS:

- . R.O.S., REC. NO. 8410300247 2. R.O.S., REC. NO. 8603170340
- 3. R.O.S., REC. NO. 8604080409 4. PUYALLUP BLA, REC. NO. 200608185003

ZONING: "CB" COMMUNITY BUSINESS.

APPROVED CITY OF PUYALLUP ENGINEERING SERVICES NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER



COVER SHEET

WETLAND A

CARE

CENTER

LEVEL 1/

LEXEL 0

⊭F=457.0

LEVEL POOL

FF=454.0

FF=468.0

PHASE 2 - WESLEY BRADLEY PARK

Per prior comment on the landuse application and in accordance with City Standards Section 2.0: -locate the Vicinity Map in lower right corner with address below Add brief legal description (T/R/QS) WETLAND D [Plans; Sht C1 of 19] WETLAND C

Care center review cannot occur fully

complete. Previous early submittal

waiver form only permitted submittal

39TH AVENUE S.E.

UTILITY CONFLICT NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 1-800-424-5555 AND THEN POTHOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT BARGHAUSEN CONSULTING ENGINEERS, INC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

EX DRIVE &

until land use and SEPA are

of civil and building permits for

Brownstone building/site area.

[Planning comment, sheet C1]

CONSTRUCTION SEQUENCE:

SCHEDULE AND ATTEND PRE-CONSTRUCTION MEETING WITH CITY OF PUYALLUP OFFICIALS.

[Plans; Sht C1 of 19]

- 2. FLAG ALL TREES TO REMAIN, CLEARING AND GRADING LIMITS FOR PROJECT AS SHOWN ON THE PLANS.
- CONSTRUCT TEMPORARY CONSTRUCTION ENTRANCE.
- INSTALL TEMPORARY FILTER FABRIC FENCE AND CB PROTECTION AS SHOWN ON PLANS.
- REMOVE EXISTING SITE IMPROVEMENTS AS INDICATED ON
- 6. CONSTRUCT INTERCEPTOR DITCHES WHERE SHOWN.
- TIME LIMIT APPLIES TO ANY WORK PERFORMED IN THE CITY OF PUYALLUP. CONTRACTOR TO COORDINATE WITH CITY OFFICIAL FOR TIMING OF ANY CONSTRUCTION WITHIN ROW.
- PROTECT ALL PROPERTIES ADJACENT TO THE PROJECT FROM
- 9. NO RUNOFF IS TO LEAVE SITE WITHOUT TREATMENT.
- 10. CLEAR AND GRADE SITE AMEND E.S.C. FACILITIES AS REQUIRED.
- 11. WHEREVER CONSTRUCTION VEHICLES ACCESS ROUTE CROSSES PAVED ROADS, CARE MUST BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT (MUD) ONTO THE PAVED ROAD. IF SEDIMENT IS TRANSPORTED ONTO PAVED SURFACE, THE ROAD SHALL BE CLEANED IMMEDIATELY.
- 12. WITH EACH LAYER OF FILL MATERIAL, INTERCEPTOR DITCHES AND T.E.S.C. FACILITIES MUST BE GRADED AND MAINTAINED TO PROVIDE POSITIVE SLOPE FOR DRAINAGE TO DISCHARGE
- 13. INSTALL SANITARY SEWER, WATER, AND STORM SYSTEMS.
- 14. CONSTRUCT BUILDING.
- 15. CONSTRUCT RIGHT-OF-WAY IMPROVEMENTS.
- 16. ONCE THE INSTALLED SYSTEMS ARE TESTED AND APPROVED, COMMENCE SITE PAVING.
- 17. MAINTAIN E.S.C. FACILITIES UNTIL ALL RISK OF EROSION/SEDIMENTATION DRAINAGE HAS PASSED AND PERMANENT STORM DRAINAGE SYSTEM IS INSTALLED AND FUNCTIONAL. DO NOT CONVEY SEDIMENT-LADEN WATER INTO STORM DRAINAGE SYSTEM. REMOVE TEMPORARY EROSION & SEDIMENTATION CONTROL MEASURES UPON FINAL SITE STABILIZATION AND APPROVAL FROM THE CITY INSPECTOR.
- 18. COMPLETE INSPECTION/ PUNCHLIST

-locate the Approval Block in upper right corner

SHEET INDEX:

CIVIL PLANS:

C1 OF 19 COVER SHEET C2 OF 19 EXISTING SITE AND TESC PLAN NORTH C3 OF 19 EXISTING SITE AND TESC PLAN SOUTH

C4 OF 19 TESC NOTES AND DETAILS C5 OF 19 GRADING PLAN NORTH C6 OF 19 GRADING PLAN SOUTH

C7 OF 19 GRADING PLAN - CARE CENTER SOUTH PARKING LOT C8 OF 19 GRADING PLAN - CARE CENTER ENTRANCE PAVING

C9 OF 19 GRADING PLAN - BROWNSTONE NORTHEAST SIDEWALK C10 OF 19 DRAINAGE PLAN NORTH C11 OF 19 DRAINAGE PLAN SOUTH

C12 OF 19 WATER AND SEWER PLAN NORTH C13 OF 19 WATER AND SEWER PLAN SOUTH C14 OF 19 CONSTRUCTION NOTES

C15 OF 19 CONSTRUCTION NOTES & DETAILS C16 OF 19 CONSTRUCTION NOTES & DETAILS C17 OF 19 WATER DETAILS

C18 OF 19 WATER DETAILS C19 OF 19 SEWER DETAILS

OWNER/DEVELOPER

WESLEY HOMES 815 SOUTH 216TH STREET DES MOINES, WA 98190 (206) 870-1209 CONTACT: KEVIN ANDERSON

ARCHITECT

IN-SITE ARCHITECTS 2324 UNIVERSITY AVE. WEST, SUITE 105 ST. PAUL, MN 55114 (612) 252-4822 CONTACT: JILL KRANCE

ENGINEER/SURVEYORS

BARGHAUSEN CONSULTING ENGINEERS, INC. 18215 72ND AVENUE SOUTH (425) 251-6222 CONTACT: DAN BALMELLI, P.E. (ENGINEERING) CONTACT: BRIAN GILLOOLY, P.L.S. (SURVEY)

> ESTIMATED CUT AND FILL QUANTITIES: CUT: 14,000 CY

FILL: 2,100 CY (QTYS. ARE FOR PERMITTING PURPOSES ONLY. CONTRACTOR SHALL VERIFY EXACT QTYS. BEFORE CONSTRUCTION.)

> CALL BEFORE YOU DIG: 1-800-424-5555

CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR OBTAINING PERMITS FROM THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES FOR REMOVING AND REPLACING ALL SURVEY MONUMENTATION THAT MAY BE AFFECTED BY CONSTRUCTION ACTIVITY, PURSUANT TO WAC 332-120. APPLICATIONS MUST BE COMPLETED BY A REGISTERED LAND SURVEYOR. APPLICATIONS FOR PERMITS TO REMOVE MONUMENTS MAY BE OBTAINED FROM THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES, OR BY CONTACTING THEIR OFFICE BY TELEPHONE AT (206) 902-1190.

WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES PUBLIC LAND SURVEY OFFICE

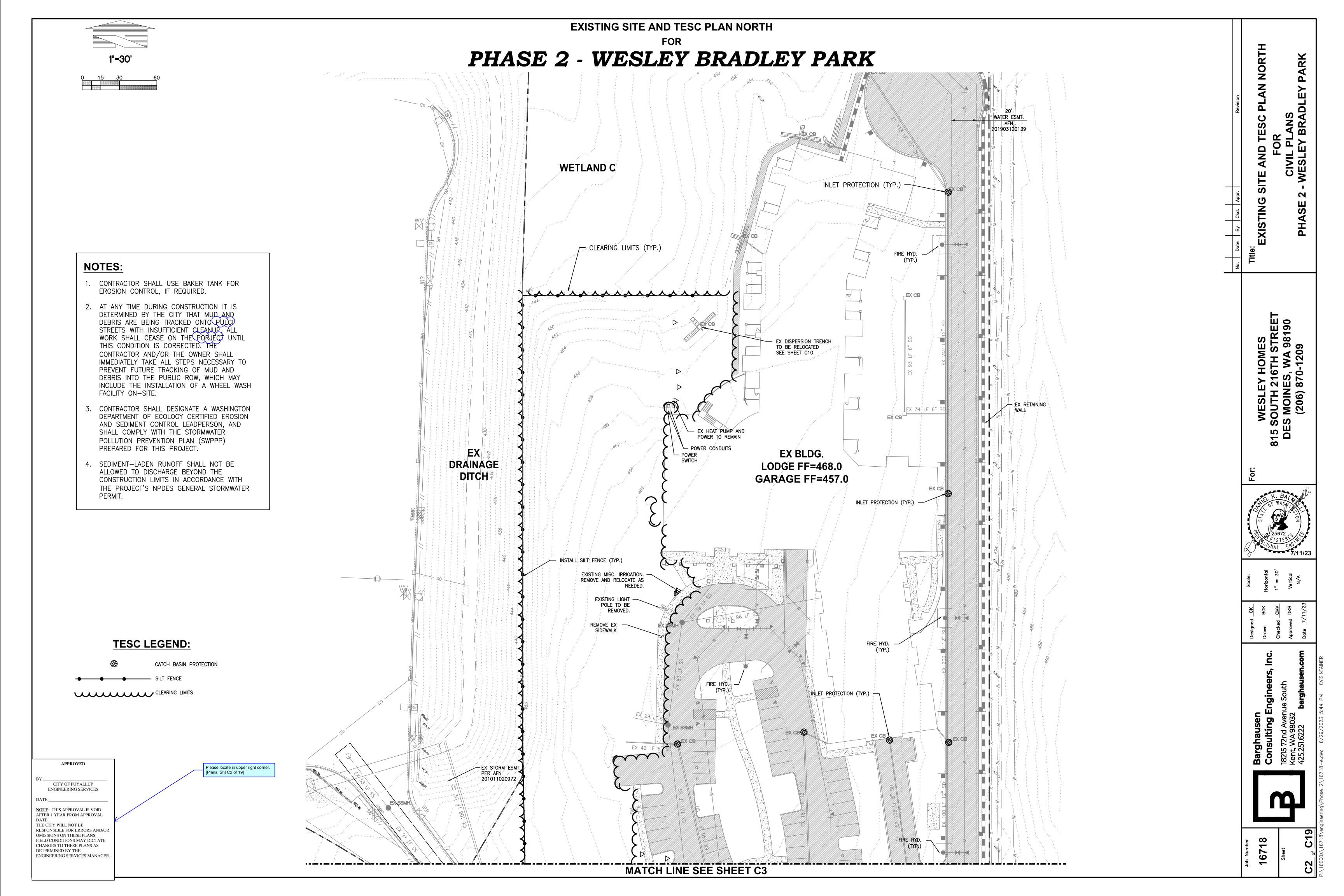
1111 WASHINGTON STREET S.E. P.O. BOX 47060 OLYMPIA, WASHINGTON 98504-7060

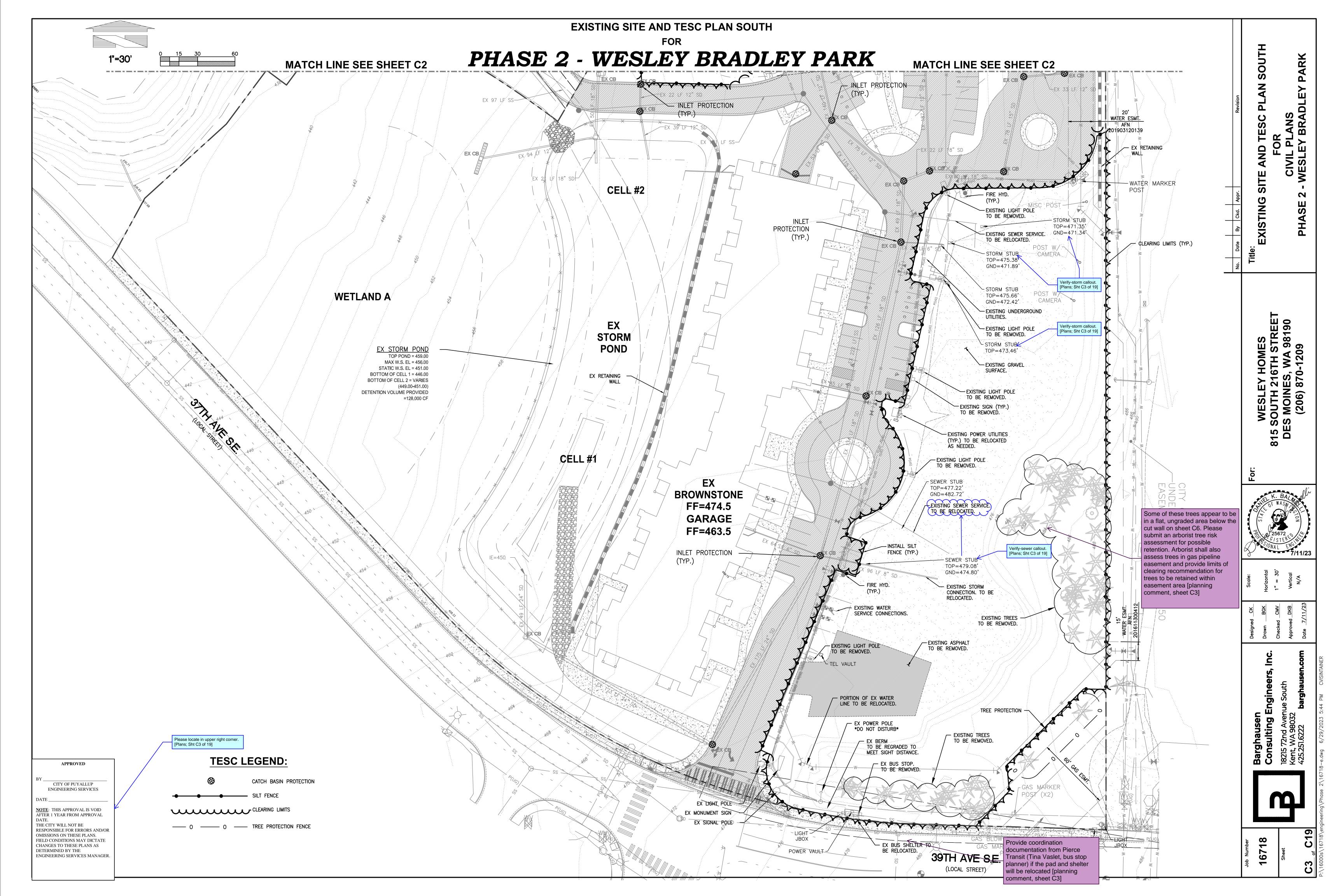
UPON COMPLETION OF CONSTRUCTION, ALL MONUMENTS DISPLACED, REMOVED, OR DESTROYED SHALL BE REPLACED BY A REGISTERED LAND SURVEYOR, AT THE COST AND AT THE DIRECTION OF THE CONTRACTOR, PURSUANT TO THESE REGULATIONS. THE APPROPRIATE FORMS FOR REPLACEMENT OF SAID MONUMENTATION SHALL ALSO BE THE RESPONSIBILITY OF THE CONTRACTOR.

2 S

1st Review PRCCP20231028 October 2023

HOMES 16TH STRE 5, WA 9819 70-1209



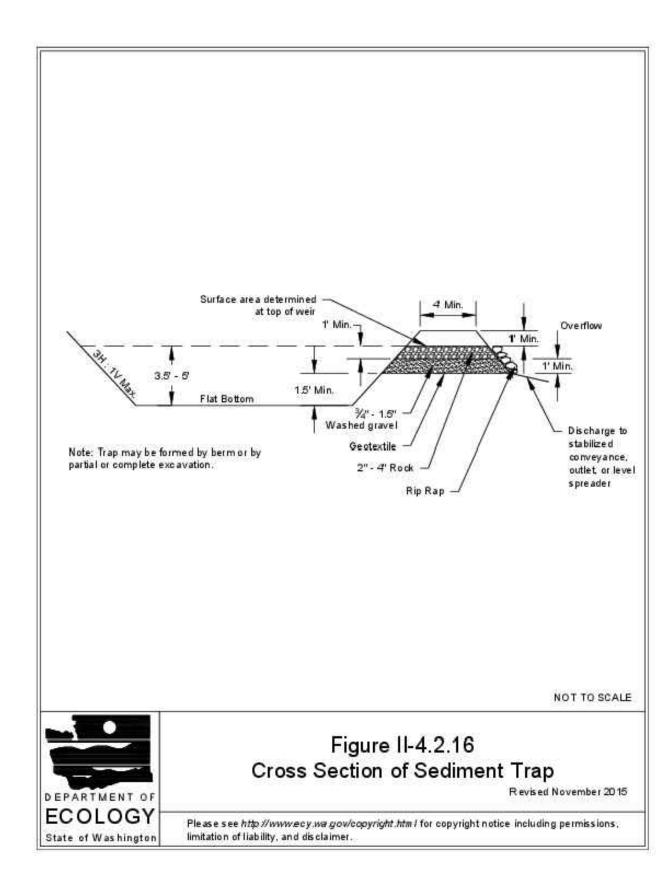


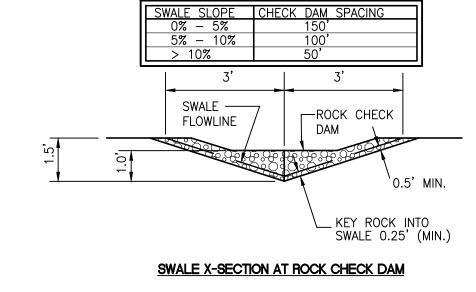
SOIL STABILIZATION AND REVEGETATION

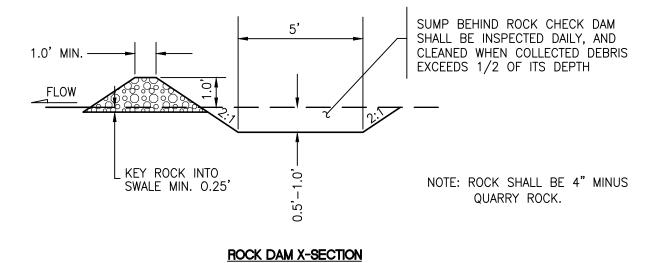
EXPOSED AREAS AND SOIL STOCKPILES MUST BE STABILIZED ACCORDING TO THE FOLLOWING

- 1. FROM APRIL 1 TO OCTOBER 31 ALL DISTURBED AREAS AT FINAL GRADE AND ALL EXPOSED AREAS THAT ARE SCHEDULED TO REMAIN UNWORKED FOR MORE THAN 30 DAYS SHALL BE STABILIZED
- 2. FROM NOVEMBER 1 TO MARCH 31 ALL EXPOSED SOILS AT FINAL GRADE SHALL BE STABILIZED IMMEDIATELY USING PERMANENT OR TEMPORARY MEASURES. EXPOSED SOILS WITH AN AREA GREATER THAN 5,000 SQUARE FEET THAT ARE SCHEDULED TO REMAIN UNWORKED FOR MORE THAN 24 HOURS AND EXPOSED AREAS OF LESS THAN 5,000 SQUARE FEET THAT WILL REMAIN UNWORKED FOR MORE THAN SEVEN (7) DAYS SHALL BE STABILIZED IMMEDIATELY.

ALL DISTURBED AREAS WHICH ARE NOT PLANNED TO BE CONSTRUCTED ON WITHIN 90 DAYS FROM TIME OF CLEARING AND GRADING SHALL BE REVEGETATED WITH THE NATIVE VEGETATION.

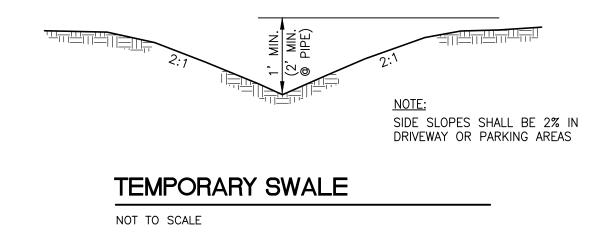






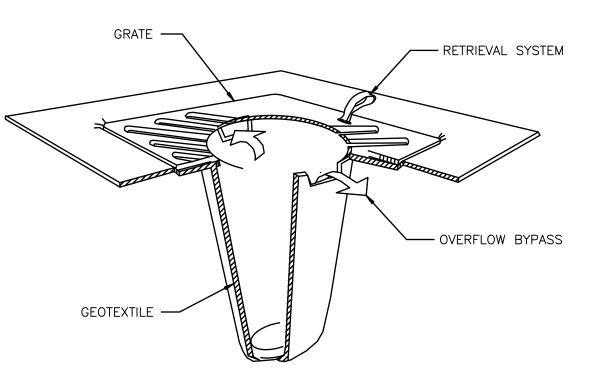
ROCK CHECK DAM DETAILS

NOT TO SCALE

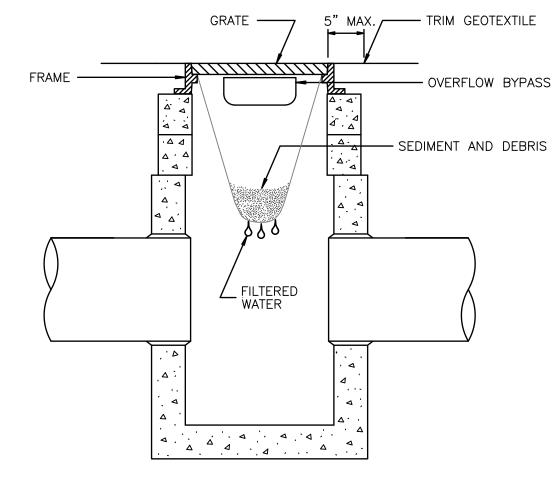


NOTES

- 1. PERFORM MAINTENANCE IN ACCORDANCE WITH WSDOT STANDARD
- SPECIFICATION 8-01.3(15). 2. SIZE THE BELOW GRATE INLET DEVICE (BGID) FOR THE STORM WATER STRUCTURE IT WILL SERVICE.
- 3. THE BGID SHALL HAVE A BUILT-IN HIGH-FLOW RELIEF SYSTEM (OVERFLOW BYPASS).
- 4. THE RETRIEVAL SYSTEM MUST ALLOW REMOVAL OF THE BGID WITHOUT SPILLING THE COLLECTED MATERIAL.

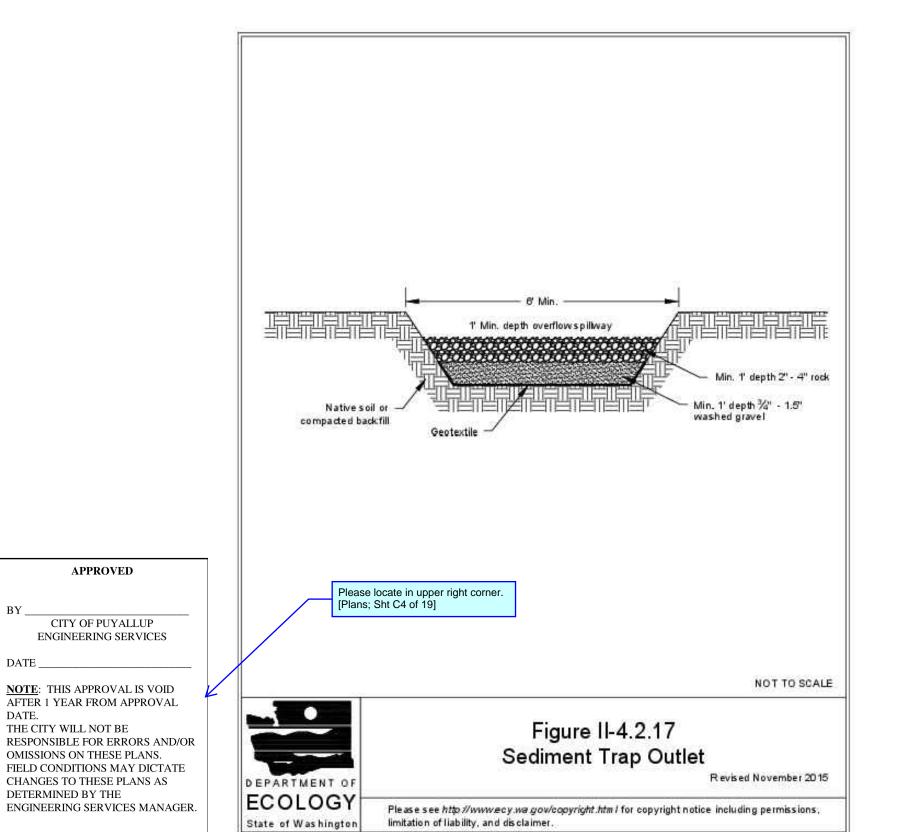


ISOMETRIC VIEW NOT TO SCALE



CROSS SECTION NOT TO SCALE

STORM DRAIN INLET PROTECTION PREFABRICATED BELOW GRATE INLET DEVICE DETAILS WSDOT STANDARD PLAN I-7



APPROVED

CITY OF PUYALLUP

ENGINEERING SERVICES

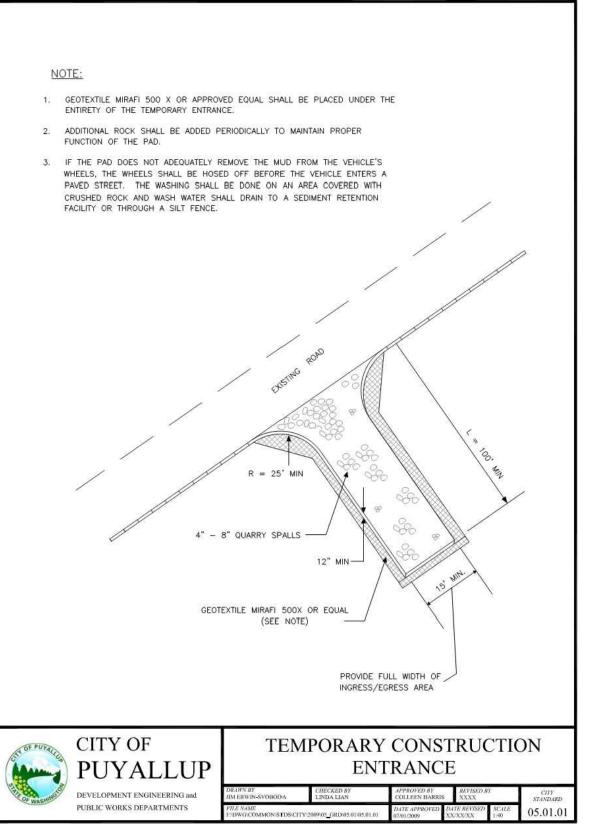
NOTE: THIS APPROVAL IS VOID

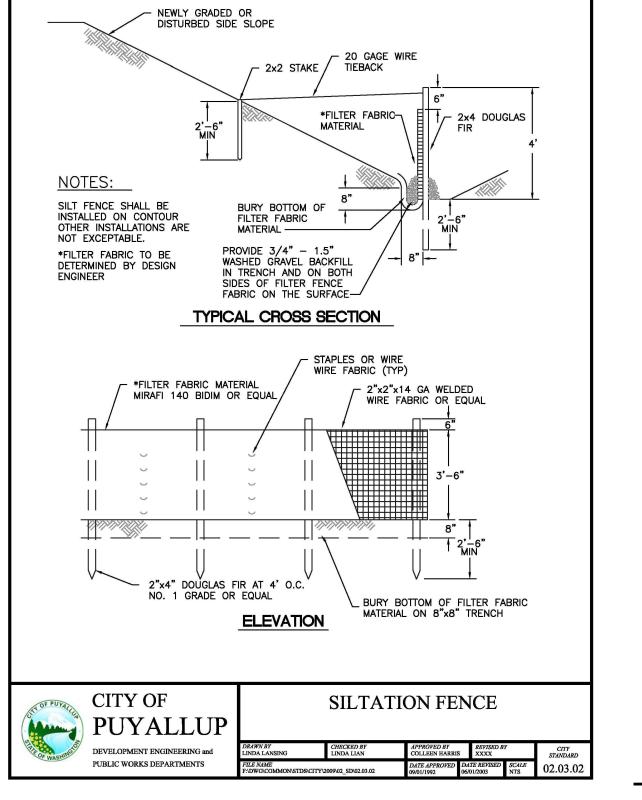
AFTER 1 YEAR FROM APPROVAL

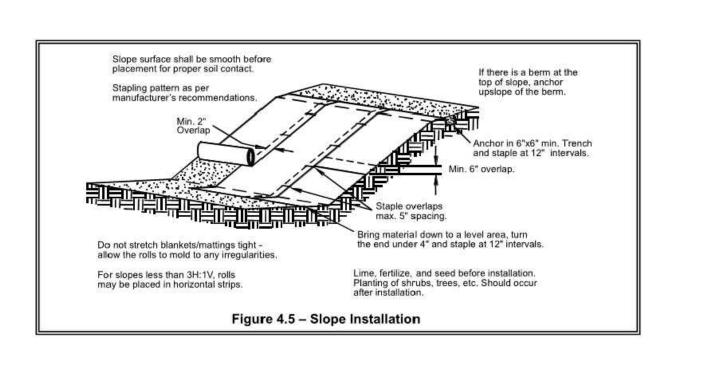
OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE

CHANGES TO THESE PLANS AS DETERMINED BY THE

THE CITY WILL NOT BE





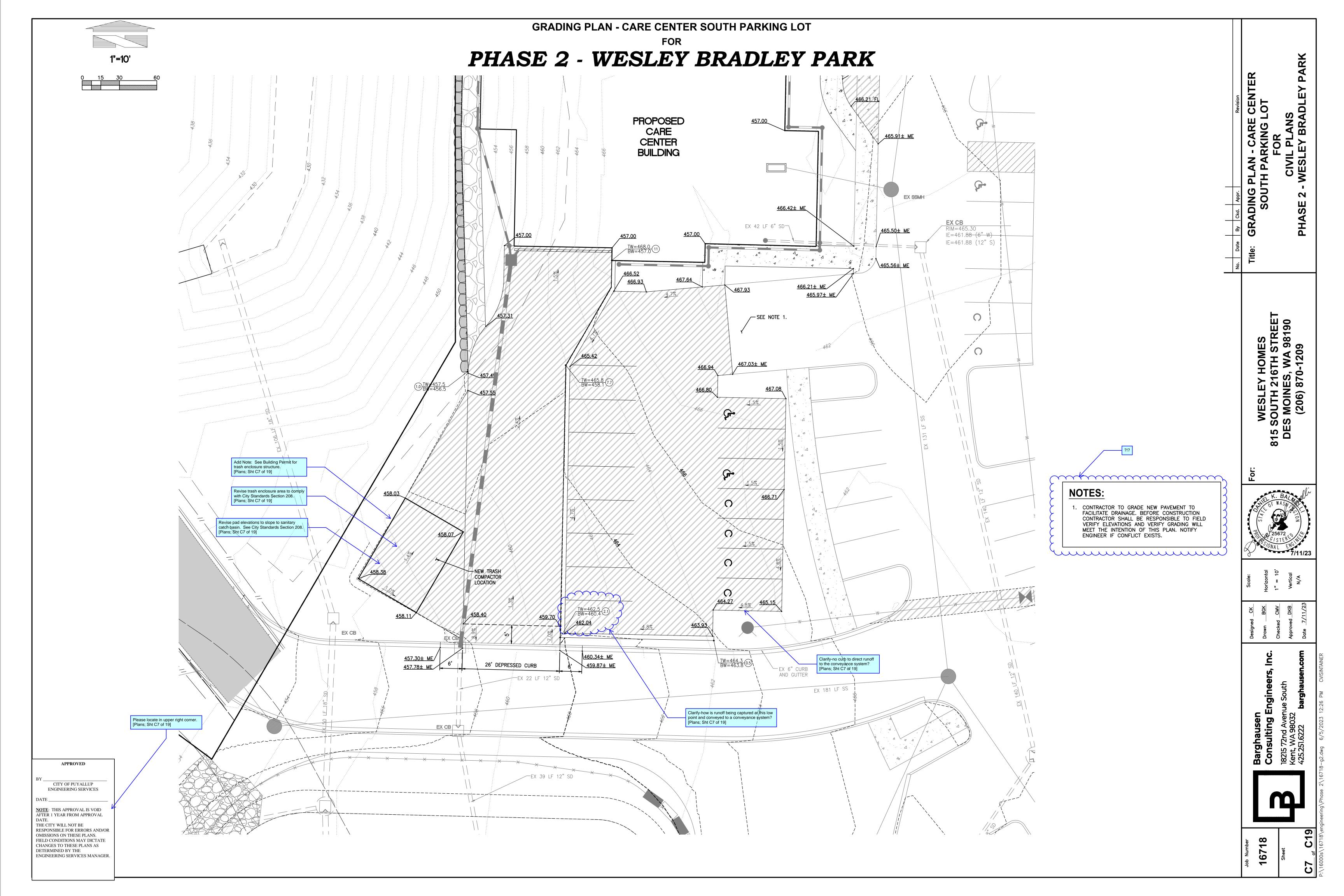


HOMES 16TH STRE 5, WA 9819 70-1209

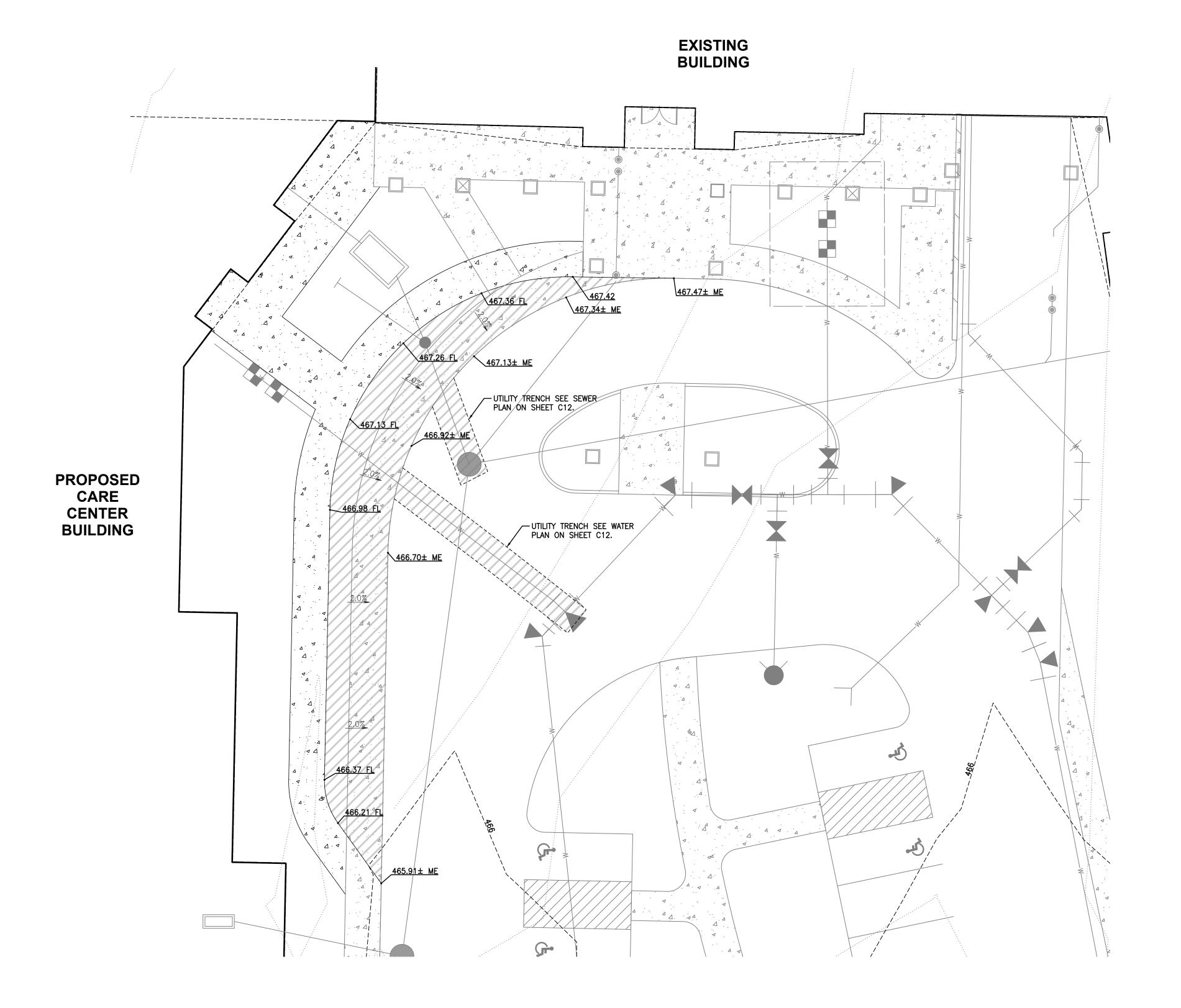
ONSTRUCTION

7

PHASE







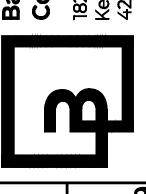


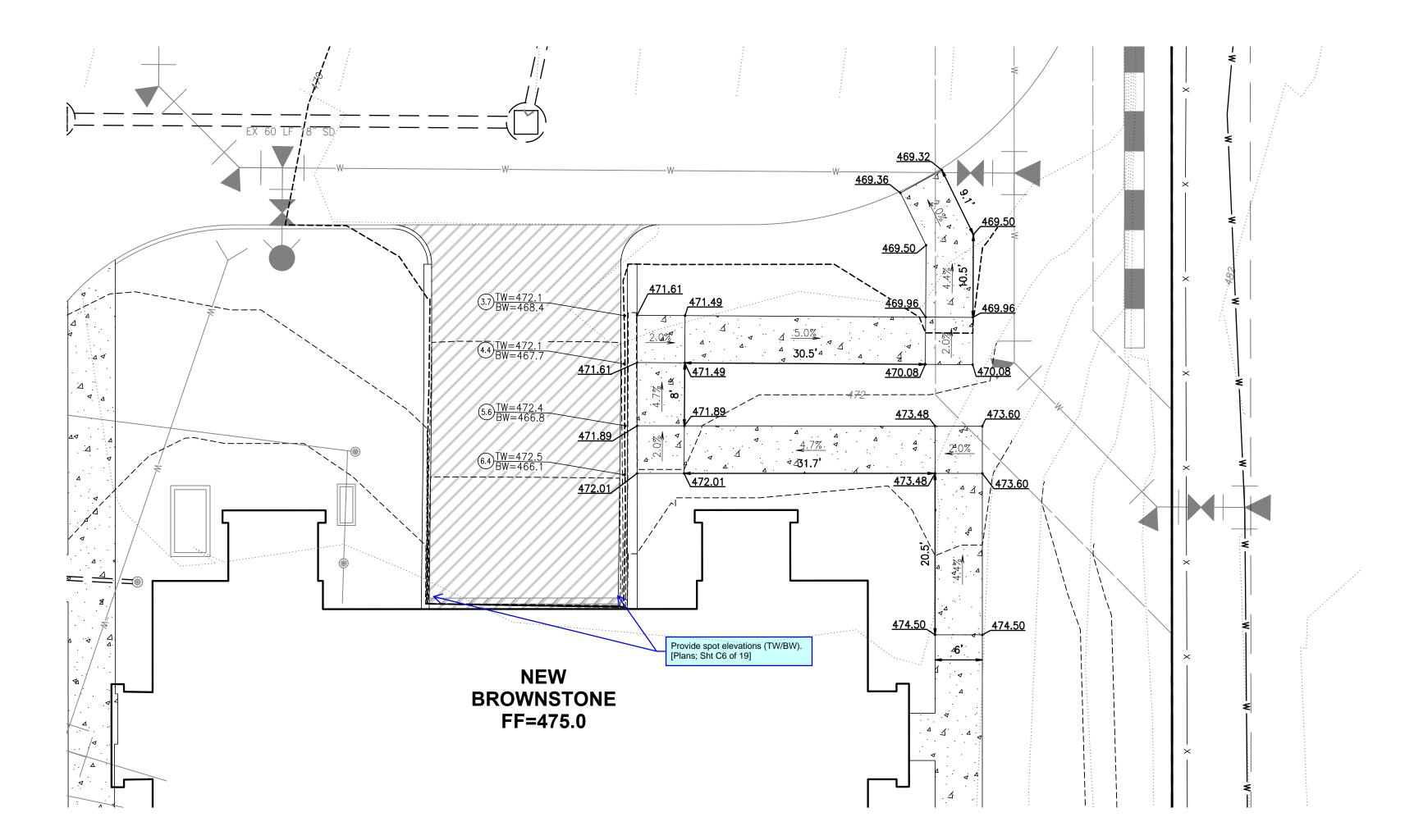
CITY OF PUYALLUP ENGINEERING SERVICES

<u>NOTE</u>: THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE.

THE CITY WILL NOT BE
RESPONSIBLE FOR ERRORS AND/OR
OMISSIONS ON THESE PLANS.
FIELD CONDITIONS MAY DICTATE
CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

Please locate in upper right corner. [Plans; Sht C8 of 19]





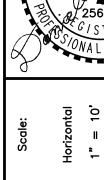
- CROSS SLOPE OF PEDESTRIAN ACCESS ROUTES SHALL BE 2 PERCENT MAXIMUM.
 THE RISE FOR ANY RAM SHALL BE 2.5 FT MAXIMUM.
- 3. MAXIMUM RUNNING SLOPE SHALL NOT BE GREATER THAN 5 PERCENT.

CITY OF PUYALLUP ENGINEERING SERVICES

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Please locate in upper right corner. [Plans; Sht C9 of 19]



GENERAL NOTES:

- 1. All work in City right-of-way requires a permit from the City of Puyallup. Prior to any work commencing, the general contractor shall arrange for a preconstruction meeting at the Development Services Center to be attended by all contractors that will perform work shown on the approved engineering plans, representatives from all applicable utility companies, the project owner and appropriate city staff. Contact Engineering Services at (253-841-5568) to schedule the meeting. The contractor is responsible to have their own set of approved plans at
- 2. After completion of all items shown on these plans and before acceptance of the project the contractor shall obtain a "punch list" prepared by the City's inspector detailing remaining items of work to be completed. All items of work shown on these plans shall be completed to the satisfaction of the City prior to acceptance of the water system and provision of sanitary sewer
- All materials and workmanship shall conform to the Standard Specifications for Road, Bridge and Municipal Construction (hereinafter referred to as the "Standard Specifications"), Washington State Department of Transportation and American Public Works Association, Washington State Chapter, latest edition, unless superseded or amended by the City of Puyallup City Standards for Public Works Engineering and Construction (hereinafter referred to as the "City Standards").
- 4. A copy of these approved plans and applicable city developer specifications and details shall be
- Any revisions made to these plans must be reviewed and approved by the developer's engineer and the City prior to any implementation in the field. The City shall not be responsible for any errors and/or omissions on these plans.
- 6. The contractor shall have all utilities verified on the ground prior to any construction. Call (811) at least two working days in advance. The owner and his/her engineer shall be contacted immediately if a conflict exists.
- 7. Any structure and/or obstruction that requires removal or relocation relating to this project shall be done so at the developer's expense.
- 8. Locations of existing utilities are approximate. It shall be the contractor's responsibility to determine the true elevations and locations of hidden utilities. All visible items shall be the
- 9. The contractor shall install, replace, or relocate all signs, as shown on the plans or as affected by construction, per City Standards.
- 10. Power, street light, cable, and telephone lines shall be in a trench located within a 10-foot utility easement adjacent to public right-of-way. Right-of-way crossings shall have a minimum horizontal separation from other utilities (sewer, water, and storm) of 5 feet.
- 11. All construction surveying for extensions of public facilities shall be done under the direction of a Washington State licensed land surveyor or a Washington State licensed professional civil
- 12. During construction, all public streets adjacent to this project shall be kept clean of all material deposits resulting from on-site construction, and existing structures shall be protected as directed by the City.
- 13. Certified record drawings are required prior to project acceptance.
- 14. A NPDES Stormwater General Permit may be required by the Department of Ecology for this project. For information contact the Department of Ecology, Southwest Region Office at
- 15. Any disturbance or damage to Critical Areas and associated buffers, or significant trees designated for preservation and protection shall be mitigated in accordance with a Mitigation Plan reviewed and approved by the City's Planning Division. Preparation and implementation of the Mitigation Plan shall be at the developer's expense. Use current Stormwater Notes (see City Stds Section 207).

[Plans; Sht C14 of 19]

STORMWATER NOTES:

APPROVED

CITY OF PUYALLUP

ENGINEERING SERVICES

NOTE: THIS APPROVAL IS VOID

AFTER 1 YEAR FROM APPROVAL

RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.

FIELD CONDITIONS MAY DICTATE

ENGINEERING SERVICES MANAGER.

CHANGES TO THESE PLANS AS

THE CITY WILL NOT BE

DETERMINED BY THE

- 1. All work in City right-of-way requires a permit from the City of Puyallup. Prior to any work commencing, the general contractor shall arrange for a preconstruction meeting at the Development Services Center to be attended by all contractors that will perform work shown on the engineering plans, representatives from all applicable Utility Companies, the project owner and appropriate City staff. Contact Engineering Services to schedule the meeting (253) 841-5568. The contractor is responsible to have their own approved set of plans at the
- 2. After completion of all items shown on these plans and before acceptance of the project, the contractor shall obtain a "punch list" prepared by the City's inspector detailing remaining items of work to be completed. All items of work shown on these plans shall be completed to the satisfaction of the City prior to acceptance of the water system and provision of sanitary
- 3. All materials and workmanship shall conform to the Standard Specifications for Road, Bridge, and Municipal Construction (hereinafter referred to as the "Standard Specifications"), Washington State Department of Transportation and American Public Works Association, Washington State Chapter, latest edition, unless superseded or amended by the City of Puyallup City Standards for Public Works Engineering and Construction (hereinafter referred to as the "City Standards").
- 4. A copy of these approved plans and applicable city developer specifications and details shall be on site during construction.
- 5. Any revisions made to these plans must be reviewed and approved by the developer's engineer and the Engineering Services Staff prior to any implementation in the field. The City shall not be responsible for any errors and/or omissions on these plans.
- 6. The contractor shall have all utilities verified on the ground prior to any construction. Call (811) at least two working days in advance. The owner and his/her engineer shall be contacted immediately if a conflict exists.
- 7. Any structure and/or obstruction which require removal or relocation relating to this project, shall be done so at the developer's expense.
- 8. During construction, all existing and newly installed drainage structures shall be protected from sediments.
- 9. All storm manholes shall conform to City Standard Detail No. 02.01.01. Flow control manhole/oil water separator shall conform to City Standard Detail No. 02.01.06 and 02.01.07.
- 10. Manhole ring and cover shall conform to City Standard Detail 06.01.02 and 06.01.03. The cover shall be marked with "storm" or "drain" in 2-inch raised letters. Minimum weight of the frame shall be 210 pounds. Minimum weight of the cover shall be 150 pounds.
- 11. Catch basins Type I shall conform to City Standard Detail No.02.01.02 and 02.01.03 and shall be used only for depths less than 5 feet from top of the grate to the invert of the storm pipe.

Please locate in upper right corner. [Plans; Sht C14 of 19]

12. Catch basins Type II shall conform to City Standard Detail No.02.01.04 and shall be used for depths greater than 5 feet from top of the grate to the invert of the storm pipe.

- 13. Cast iron or ductile iron frame and grate shall conform to City Standard Detail No.02.01.05. Grate shall be marked with "drains to stream". Solid catch basin lids (square unless noted as round) shall conform to WSDOT Standard Plan B-2 (Olympic Foundry No. SM60 or equal). Vaned grates shall conform to WSDOT Standard Plan B-2a (Olympic Foundry No. SM60V or
- 14. Stormwater pipe shall be only PVC, concrete or ductile iron pipe.
- a. The use of any other type shall be reviewed and approved by the Engineering Services Staff prior to installation.
- b. PVC pipe shall be per ASTM D3034, SDR 35 for pipe size 15-inch and smaller and F679 for pipe sizes 18 to 27 inch. Minimum cover on PVC pipe shall be 3.0 feet.
- c. Concrete pipe shall conform to the WSDOT Standard Specifications for concrete underdrain pipe. Minimum cover on concrete pipe shall not less than 3.0 feet.
- d. Ductile iron pipe shall be Class 50, conforming to AWWA C151. Minimum cover on
- e. Polypropylene Pipe (PP) shall be dual walled, have a smooth interior and exterior corrugations and meet WSDOT 9-05.24(1). 12-inch through 30"-inch pipe shall meet or exceed ASTM F2736 and AASHTO M330, Type S, or Type D. 36-inch through 60-inch pipe shall meet or exceed ASTM F2881 and AASHTO M330, Type S, or Type D. Testing shall be per ASTM F1417. Minimum cover over Polypropylene pipe shall be 3-
- 15. Trenching, bedding, and backfill for pipe shall conform to City Standard Detail No. 06.01.01.
- 16. Storm pipe shall be a minimum of 10 feet away from building foundations and/or roof lines.
- 17. All storm drain mains shall be video inspected by the City of Puyallup Collections Division prior to final acceptance by the City.
- 18. After all other utilities are installed and prior to asphalt work, all storm pipe shall pass a low pressure air test in accordance with Section 7-04.3(4)d of the Standard Specifications. Products used to seal the inside of the pipe are not to be used to obtain the air test.
- 19. All storm drain mains shall be mandrelled.

WATER SYSTEM NOTES:

ductile iron pipe shall be 1.0 foot.

20. All temporary sedimentation and erosion control measures, and protective measures for critical areas and significant trees shall be installed prior to initiating any construction activities.

Use current Water System Notes (see City Stds Section 304). [Plans; Sht C14 of 19]

- 1. All work in City right-of-way requires a permit from the City of Puyallup. Prior to any work commencing, the general contractor shall arrange for a preconstruction meeting at the Development Services Center to be attended by all contractors that will perform work shown on the engineering plans, representatives from all applicable Utility Companies, the project owner and appropriate City staff. Contact Engineering Services to schedule the meeting (253) 841-5568. The contractor is responsible to have their own approved set of plans at the
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- Valley Water (VW), or Tacoma City Water (TCW) is the purveyor. 4. A copy of these approved plans and applicable city developer specifications and details shall be on site during construction.
- 5. Any revisions made to these plans must be reviewed and approved by the developer's engineer and the Engineering Services Staff, and the FMWC, VW or TCW when served by that purveyor, prior to any implementation in the field. The City shall not be responsible for any errors and/or omissions on these plans.
- 6. The contractor shall have all utilities verified on the ground prior to any construction. Call (811) at least two working days in advance. The owner and his/her engineer shall be contacted immediately if a conflict exists.
- 7. Any structure and/or obstruction which requires removal or relocation relating to this project shall be done so at the developer's expense.
- 8. Biological test samples will be taken by the City (or FMWC, VW or TCW when served by that purveyor) and paid for by the contractor.
- 9. Water mains shall have a minimum cover of 36 inches in improved right-of-way and a minimum of 48 inches in unimproved right-of-way and easements.
- 10. Pipe for water mains shall be ductile iron conforming to Section 7-09 of the Standard Specifications, Class 52 with tyton or approved equal joints. Pipe shall be cement lined in accordance with A.S.A. Specification A 21.4-1964.
- 11. Connections to existing water mains shall typically be wet taps through a tapping 'tee' and tapping valve and shall be made by a City-approved contractor. The tapping sleeve shall be epoxy coated or ductile iron. Stainless sleeves shall only be used on AC pipe. The City (or FMWC, VW or TCW when served by that purveyor) shall approve the time and location for
- 12. All water mains and appurtenances shall be hydrostatically tested at 200 psi in accordance
- 13. Fire hydrants shall be installed in accordance with City Standard Detail 03.05.01 and as directed by the City of Puyallup Fire Code Official.
- 14. Valve marker posts shall be installed where valve boxes are hidden from view or in unpaved areas. The installation shall be in accordance with City Standard Detail 03.01.02.
- 15. Resilient seated wedge gate valves shall be used for 10-inch mains and smaller. Butterfly valves shall be used for mains greater than 10 inches.
- 16. Pipe fitting for water mains shall be ductile iron and shall be mechanical joint conforming to AWWA Specification C111-72.
- 17. Water main pipe and service connections shall be a minimum of 10 feet away from building foundations and/or roof lines.
- 18. Where a water main crosses the Northwest Gas pipeline, the water line shall be cased with PVC pipe a minimum of 10 feet beyond each side of the gas line easement. Contact Williams Northwest Pipeline before the crossing is made.
- 19. Trenching, bedding, and backfill for water mains shall be installed in accordance with City Standard Detail 06.01.01.
- 20. All commercial and industrial developments, irrigation systems, and multi-family water service connections shall be protected by a double check valve assembly or a reduced pressure backflow assembly as directed by the City (or FMWC, VW or TCW when served by that purveyor) conforming to City Standard Details 03.04.01 and 03.04.02-1, 03.04.02-2 and
- 21. Any lead joint fitting disturbed during construction shall be replaced with a mechanical joint fitting at the contractor's expense.

CONSTRUCTION NOTES

contacted immediately if a conflict exists.

SANITARY SEWER NOTES

Use current Sanitary Sewer Notes (see City Stds Section 405). [Plans; Sht C14 of 19]

- 1. All work in City right-of-way requires a permit from the City of Puyallup. Prior to any work commencing, the general contractor shall arrange for a preconstruction meeting at the Development Services Center to be attended by all contractors that will perform work shown on the engineering plans, representatives from all applicable Utility Companies, the project owner and appropriate City staff. Contact Engineering Services to schedule the meeting (253) 841-5568. The contractor is responsible to have their own approved set of plans at the
- 2. After completion of all items shown on these plans and before acceptance of the project, the contractor shall obtain a "punch list" prepared by the City's inspector detailing remaining items of work to be completed. All items of work shown on these plans shall be completed to the satisfaction of the City prior to acceptance of the water system and provision of sanitary sewer service.
- 3. All materials and workmanship shall conform to the Standard Specifications for Road, Bridge, and Municipal Construction (hereinafter referred to as the "Standard Specifications"), Washington State Department of Transportation and American Public Works Association, Washington State Chapter, latest edition, unless superseded or amended by the City of Puyallup City Standards for Public Works Engineering and Construction (hereinafter referred to as the "City Standards").
- 4. A copy of these approved plans and applicable city developer specifications and details shall be on site during construction.
- 5. Any revisions made to these plans must be reviewed and approved by the developer's engineer and the Engineering Services Staff prior to any implementation in the field. The City shall not be responsible for any errors and/or omissions on these plans.
- 6. The contractor shall have all utilities verified on the ground prior to any construction. Call (811) at least two working days in advance. The owner and his/her engineer shall be
- 7. Any structure and/or obstruction which require removal or relocation relating to this project shall be done so at the developer's expense.
- 8. Minimum grade on all 4 inch residential side sewers shall be 2 percent and 6 inch commercial side sewers shall be 1 percent; maximum shall be 8 percent. All side sewers shall be 6 inches within City right-of-way.
- 9. Side sewers shall be installed in accordance with City Standard Nos. 04.03.01, 04.03.02, 04.03.03 and 04.03.04. Side sewer installation work shall be done in accordance with the Washington Industrial Safety and Health Act (WISHA).
- 10. All sewer pipe shall be PVC, Polypropylene, or Ductile Iron. PVC sewer pipe shall conform to ASTM D-3034, SDR35 for pipe sizes 15-inch and smaller and ASTM F679 for pipe sizes 18- to 27-inch, ductile iron pipe shall be Class 51 or greater unless otherwise noted., 12-inch through 30"-inch Polypropylene Pipe (PP) shall be dual walled, have a smooth interior and exterior corrugations and meet WSDOT 9-05.24(2). It shall meet or exceed ASTM F2736. 36-inch through 60-inch PP pipe shall be triple walled and meet WSDOT 9-05.24(2). It shall meet or exceed ASTM F2764. PP shall have a minimum pipe stiffness of 46 pii when tested in accordance with ASTM D2412. Testing shall be per ASTM F1417. Trenching, bedding, and backfill shall be in accordance with City Standard No. 06.01.01. Minimum cover on PVC and PP pipe shall be 3.0 feet. Minimum cover on ductile iron pipe shall be 1.0 foot.
- 11. Sanitary sewer manhole frames and covers shall conform to City Standard Nos. 06.01.02 and 06.01.03. Covers shall be marked "SEWER," with 2-inch raised letters. Minimum weight of the frame shall be 210 pounds. Minimum weight of the cover shall be 150 pounds.
- 12. Sanitary sewer manholes shall conform to City Standard Nos. 04.01.01, 04.01.02, 04.01.03 and 04.01.04. All manholes shall be channeled for future lines as specified on these plans. Manhole steps and ladder shall conform to Standard No. 06.01.04.
- 13. Sanitary sewer pipe and side sewers shall be 10 feet away from building foundations and/or roof lines.
- 14. No side sewers shall be connected to any house or building until all manholes are adjusted to the finished grade of the completed asphalt roadway and the asphalt patch and seal around
- 15. All public sanitary sewer mains shall be video inspected prior to acceptance by the City of Puyallup Water Collection Division.
- 16. After all other utilities are installed and prior to asphalt work, all sanitary pipes shall pass a low pressure air test in accordance with Section 7-17 of the "Standard Specifications". Products used to seal the inside of the pipe are not to be used to obtain the air test.
- 17. For commercial developments in which sources of grease and/or oils may be introduced to the City sanitary sewer system, a City approved grease interceptor shall be installed downstream from the source.
- 18. All sanitary sewer mains shall be mandrelled.

ROADWAY NOTES:

- 1. All work in City right-of-way requires a permit from the City of Puyallup. Prior to any work commencing, the general contractor shall arrange for a preconstruction meeting at the Development Services Center to be attended by all contractors that will perform work shown on the engineering plans, representatives from all applicable Utility Companies, the project owner and appropriate City staff. Contact Engineering Services to schedule the meeting (253) 841-5568. The contractor is responsible to have their own approved set of plans at the
- 2. After completion of all items shown on these plans and before acceptance of the project, the contractor shall obtain a "punch list" prepared by the City's inspector detailing remaining items of work to be completed. All items of work shown on these plans shall be completed to the satisfaction of the City prior to acceptance of the water system and provision of sanitary
- 3. All materials and workmanship shall conform to the Standard Specifications for Road, Bridge, and Municipal Construction (hereinafter referred to as the "Standard Specifications"), Washington State Department of Transportation and American Public Works Association, Washington State Chapter, latest edition, unless superseded or amended by the City of Puyallup City Standards for Public Works Engineering and Construction (hereinafter referred to as the "City Standards").
- 4. A copy of these approved plans and applicable city developer specifications and details shall be on site during construction.
- 5. Any revisions made to these plans must be reviewed and approved by the developer's engineer and the Engineering Services Staff prior to any implementation in the field. The City shall not be responsible for any errors and/or omissions on these plans.
- 6. The contractor shall have all utilities verified on the ground prior to any construction. Call (811) at least two working days in advance. The owner and his/her engineer shall be contacted immediately if a conflict exists.
- 7. Any structure and/or obstruction which requires removal or relocation relating to this project, shall be done so at the developer's expense.
- 8. Monuments shall be installed at all street intersections, at angle points, and points of curvature in each street. All boundary monuments must be installed according to the Washington State subdivision laws.
- 9. Curb and gutter installation shall conform to City Standard Detail 01.02.09.
- 10. Sidewalks and driveways shall be installed as lots are built on. Sidewalks and driveways shall conform to City Standard Detail 01.02.01, 01.02.02 and 01.02.12. If asphalt is damaged during replacement of curb and gutter, the repair shall conform to City Standard Detail

- 11. The surrounding ground (5 feet beyond the base) for all power transformers, telephone/TV pedestals, and street light main disconnects shall be graded to a positive 2 percent slope from
- 12. Signage and traffic control devices are safety items and shall be installed prior to issuance of any certificate of occupancy or plat approval. However, in larger developments, exact locations of stop and yield signs may need to be determined after full buildout when traffic patterns have been established. In this case, contractor shall provide indicated "City-placed" signs, signposts, and brackets to the City sign specialist (253) 841-5471 for later installation by the City. All signage shall be in accordance with the Manual on Uniform Traffic Control Devices (MUTCD).
- 13. Prior to any sign or striping installation or removal the Contractor shall contact the City sign specialist (253) 841-5471 to arrange for an on-site meeting to discuss placement and
- 14. New or revised stop signs or yield signs shall be advance warned using the procedure outlined in the MUTCD. Advance warning signs and flags shall be maintained by installer for 30 days and then removed.

GRADING, EROSION AND SEDIMENTATION CONTROL NOTES:

- 1. All work in City right-of-way requires a permit from the City of Puyallup. Prior to any work commencing, the general contractor shall arrange for a preconstruction meeting at the Development Services Center to be attended by all contractors that will perform work shown on the engineering plans, representatives from all applicable Utility Companies, the project owner and appropriate City staff. Contact Engineering Services to schedule the meeting (253) 841-5568. The contractor is responsible to have their own approved set of plans at the
- 2. After completion of all items shown on these plans and before acceptance of the project, the contractor shall obtain a "punch list" prepared by the City's inspector detailing remaining items of work to be completed. All items of work shown on these plans shall be completed to the satisfaction of the City prior to acceptance of the water system and provision of sanitary
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- 4. A copy of these approved plans and applicable city developer specifications and details shall be on site during construction.
- 5. Any revisions made to these plans must be reviewed and approved by the developer's engineer and the city engineer prior to any implementation in the field. The City shall not be responsible for any errors and/or omissions on these plans.
- 6. The contractor shall have all utilities verified on the ground prior to any construction. Call (811) at least two working days hours in advance. The owner and his/her engineer shall be contacted immediately if a conflict exists.

7. All limits of clearing and areas of vegetation preservation as prescribed on the plans shall be

- clearly flagged in the field and observed during construction. 8. All required sedimentation and erosion control facilities must be constructed and in operation prior to any land clearing and/or other construction to ensure that sediment laden water does not enter the natural drainage system. The contractor shall schedule an inspection of the erosion control facilities PRIOR to any land clearing and/or other construction. All erosion
- and sediment facilities shall be maintained in a satisfactory condition as determined by the City, until such time that clearing and/or construction is completed and the potential for onsite erosion has passed. The implementation, maintenance, replacement, and additions to the erosion and sedimentation control systems shall be the responsibility of the permittee.
- The erosion and sedimentation control system facilities depicted on these plans are intended to be minimum requirements to meet anticipated site conditions. As construction progresses and unexpected or seasonal conditions dictate, facilities will be necessary to ensure complete siltation control on the site. During the course of construction, it shall be the obligation and responsibility of the permittee to address any new conditions that may be created by his activities and to provide additional facilities, over and above the minimum requirements, as may be needed to protect adjacent properties, sensitive areas, natural water courses, and/or
- 10. Approval of these plans is for grading, temporary drainage, erosion and sedimentation control only. It does not constitute an approval of permanent storm drainage design, size or location of pipes, restrictors, channels, or retention facilities.
- 11. Any disturbed area which has been stripped of vegetation and where no further work is anticipated for a period of 30 days or more, must be immediately stabilized with mulching, grass planting, or other approved erosion control treatment applicable to the time of year in question. Grass seeding alone will be acceptable only during the months of April through September inclusive. Seeding may proceed outside the specified time period whenever it is in the interest of the permittee but must be augmented with mulching, netting, or other treatment approved by the City.
- 12. In case erosion or sedimentation occurs to adjacent properties, all construction work within the development that will further aggravate the situation must cease, and the owner/contractor will immediately commence restoration methods. Restoration activity will continue until such time as the affected property owner is satisfied.
- 13. No temporary or permanent stockpiling of materials or equipment shall occur within critical areas or associated buffers, or the critical root zone for vegetation proposed for retention.

Note to Engr: Confirm whether the geotechnical engineer's recommended note contained in Terra Associates, Inc May 22nd, 2023 addendum should be included on the civil drawings. [Plans; Sheet C14 of 19]

LANS BRADLEY ONSTRUCTION CIVIL

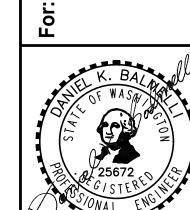
NOTES

PARK

2

PHASE

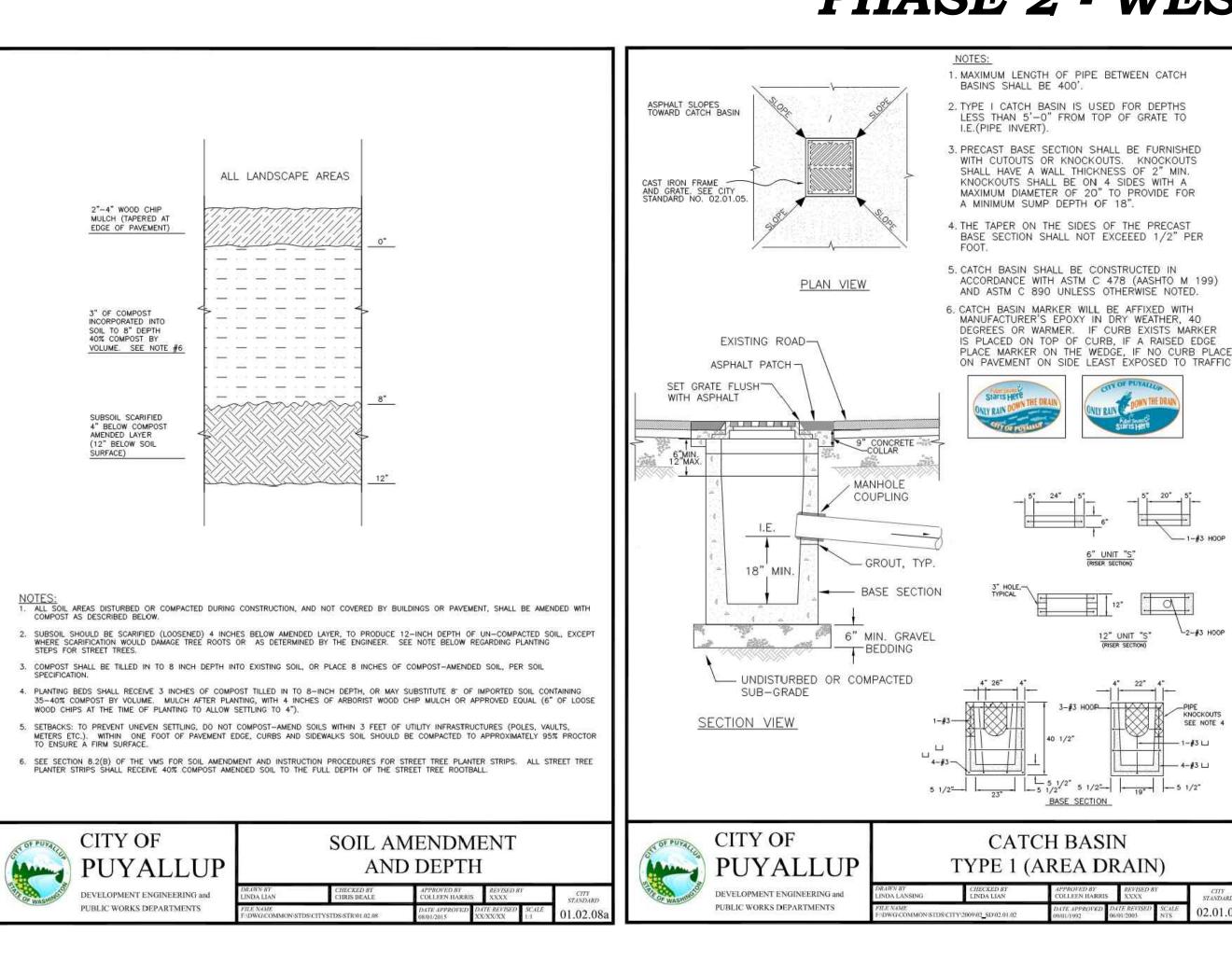
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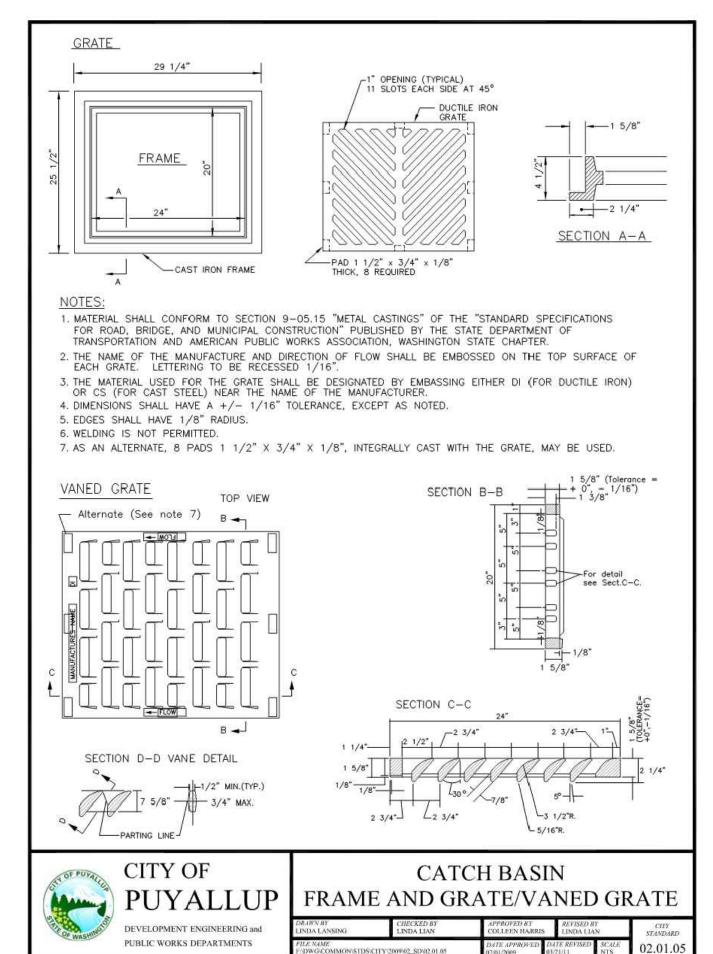


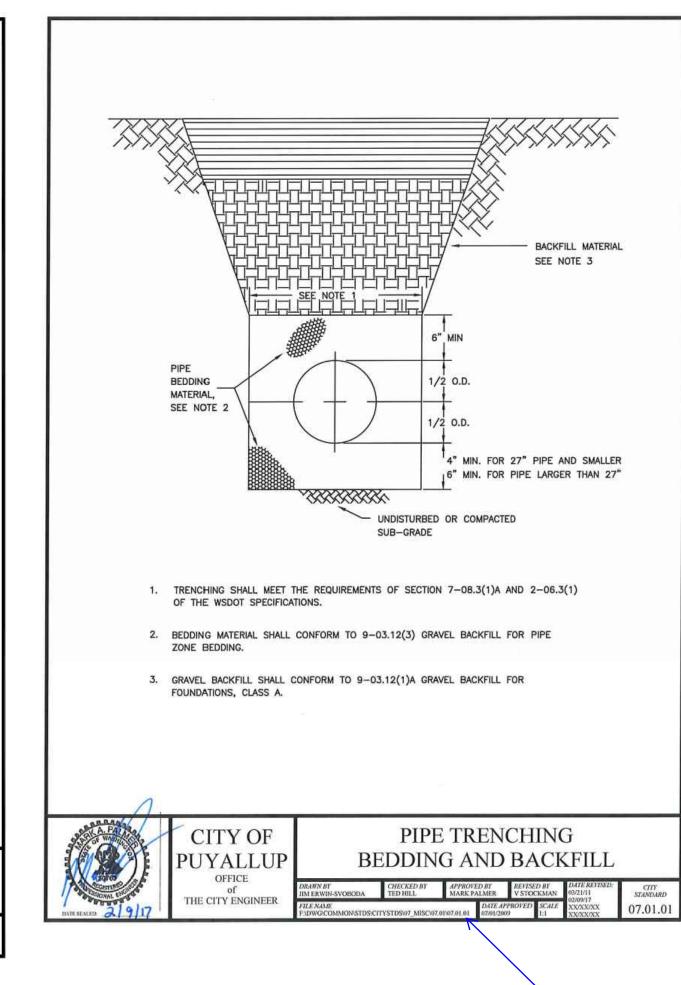
Barghausen Consulting Enginee

67

PIPE KNOCKOUTS SEE NOTE 4







LANS BRADLEY

7

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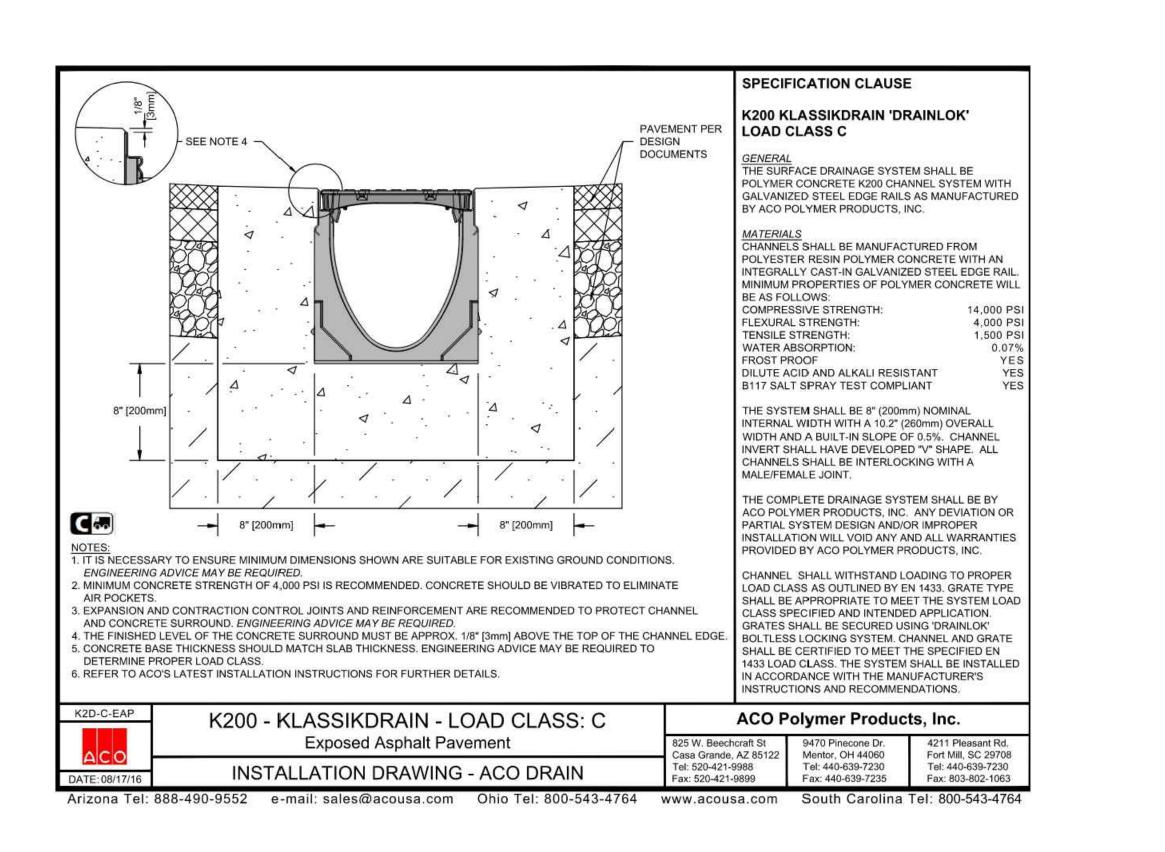
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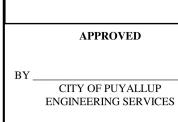
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ONSTRUCTION

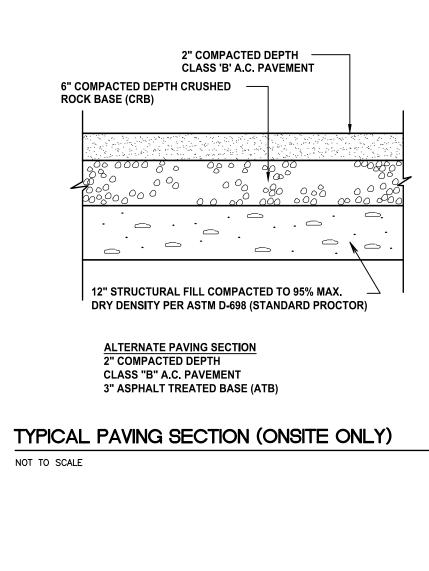
Add City Std Detail 02.05.02. [Plans; Sheet C15 of 19]

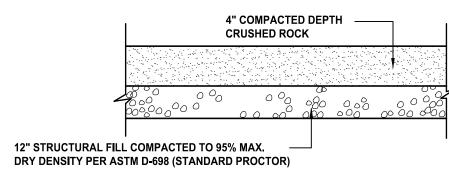




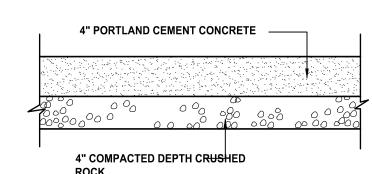
NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER. Please locate in upper right corner. [Plans; Sht C15 of 19]

Replace w/ Std Detail 06.01.01. [Plans; Sheet C15 of 19]





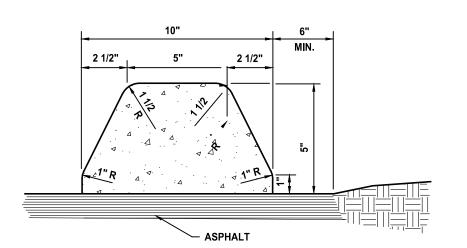
GRAVEL WALKING PATH (ONSITE ONLY)



PRIVATE CONCRETE SIDEWALKS (ONSITE ONLY)

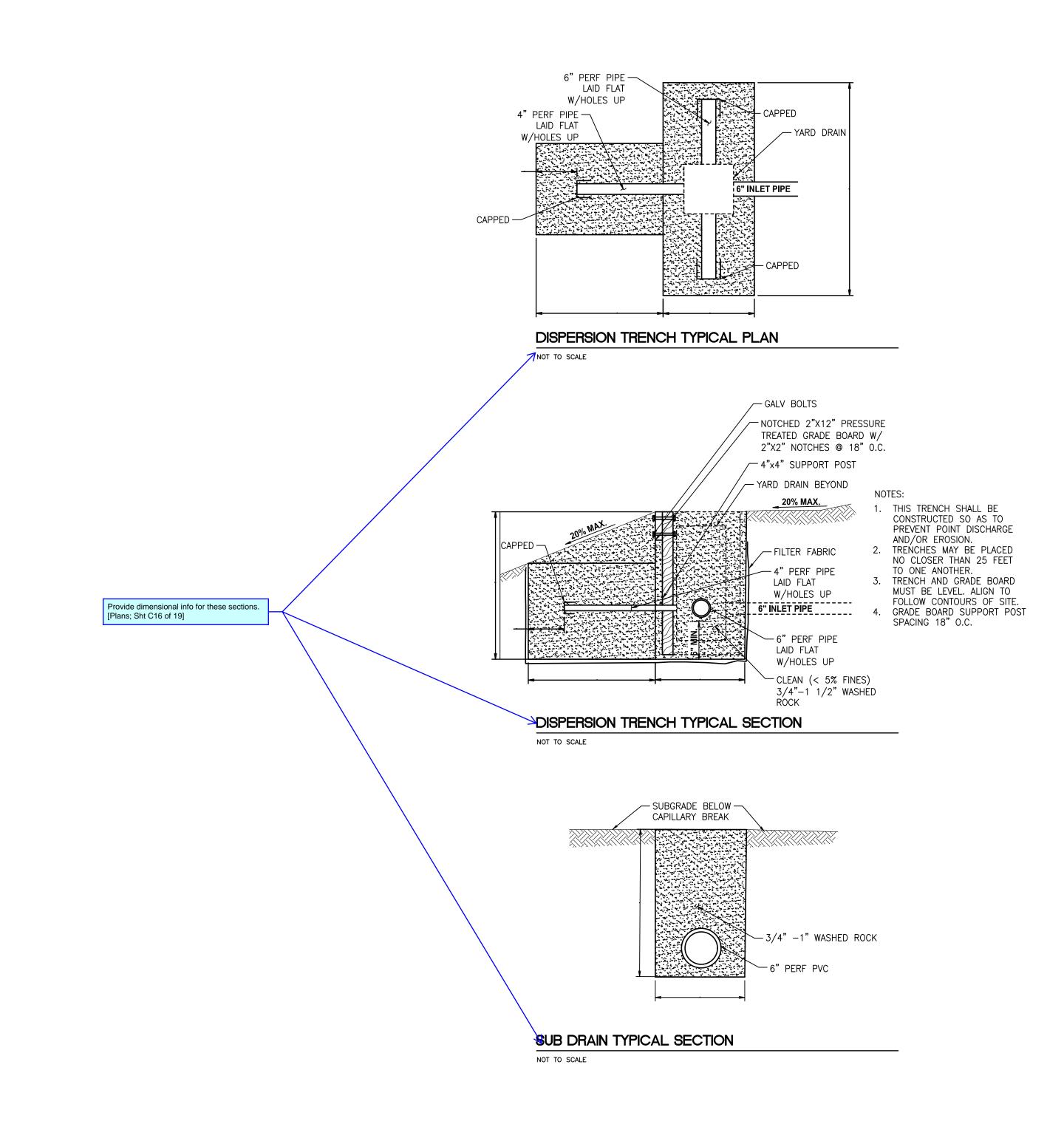
NOT TO SCALE

NOT TO SCALE



EXTRUDED CONCRETE CURB DETAIL (ONSITE ONLY)

NOT TO SCALE





CITY OF PUYALLUP ENGINEERING SERVICES

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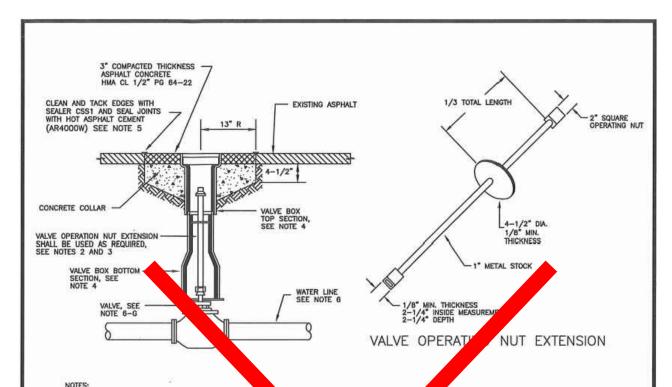
ENGINEERING SERVICES MANAGER.

DETERMINED BY THE

Please locate in upper right corner. [Plans; Sht C16 of 19]

2

PHASE



- 5. NEAT LINE CUTS SHALL BE SEALED WITH A HOT PAVING GRADE ASPHA 6. WATER MAINS SHALL BE CONSTRUCTED AND TESTED IN ACCORDANG HE WSDOT STANDARD SPECIFICATIONS SUPPLEMENTED WITH THE

- SETS SHALL CONFORM TO ASTM B 193, GRADE B7. NUTS SHALL COM D. BOLTS USED IN FLANGE INSTALL
- E. PROVIDE A WASHER FOR EA UT, WHERE NEEDED. WASHERS SHALL BE OF THE SAME MATERIAL AS THE NUTS.
- F. ALL FITTINGS SHALL CO TO THE REQUIREMENTS OF AWWA C 110 AND AWWA C 111. GATE VALVES SHALL BE USED FOR TEN (10) INCH MAINS AND SMALLER. BUTTERFLY VALVES S
- 2) BUTTERFLY VALVES: BUTTERFLY VALVES CONFORMING WITH AWWA C 504, CLASS 150 AND SHALL HAVE STANDARD AWWA TWO (2) INCH SQUARE



OFFICE THE CITY ENGINEER

DRAWINGS DEPICT BLOCK LOCATION, NOT SIZE.

FOR SIZE SEE NOTES 3, 4, 5, AND CITY STD. 03.02.01-3

BE OBSERVED WHEN CONSTI

BOLTS MUST BE ACCESSIBLE. WRAP I

E CURED FOR AT LEAST 5 DAYS AND SHOULD

HORIZONTAL THRUST

INTS SHALL BE INSTALLED, IN ADDITION TO CONCRETE TH

AGAINST UNDISTURBED SOIL.

RESSION STRENGTH OF 2,000 PSI AT 28 DAYS.

BE POSITIONED TO COUNTERACT THE DIRECTION OF

2. ALL PIPE SHALL BE PROPERLY BEDDED, SEE CITY OF PUYALLUP STANDARD BEDDING

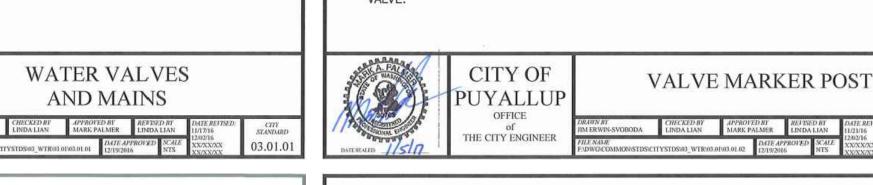
3. CONTRACTOR TO PROVIDE BLOCKING ADEQUATE TO WITHSTAND FULL TEST PRESSURE

5. BEARING SURFACE AREAS TO BE ADJUSTED BY THE ENGINEER FOR OTHER PRESSURE

4. DIVIDE THRUST BY SAFE BEARING LOAD TO DETERMINE REQUIRED AREA (IN SQUARE FEET)

DEAD END

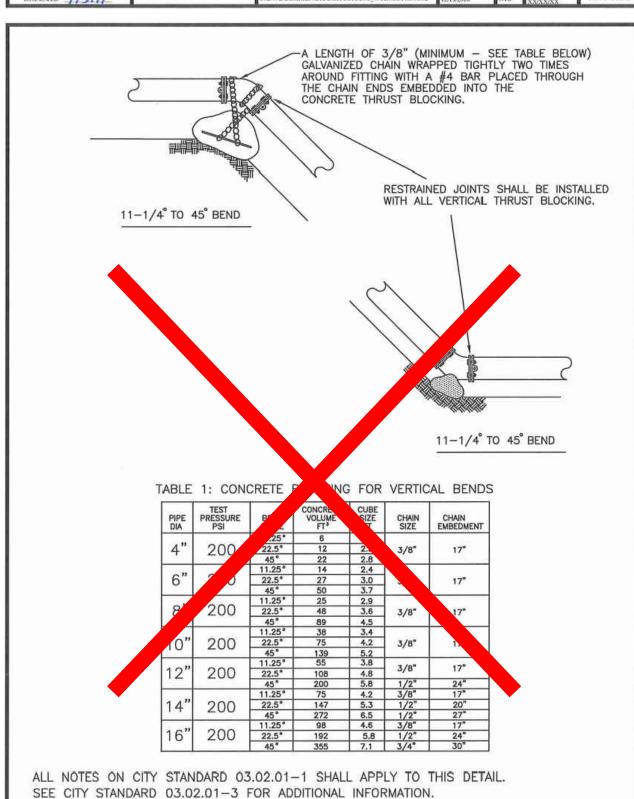
AND MAINS



PAINT MARKER POST

BACKSIDE OF T

Civil Sheet C17: Remove this state



OFFICE

VERTICAL THRUST

BLOCKING

MARKED WITH THE LETTER "V" INSET "V" TO BE PAINTED BLACK

"X" DISTANCE PAINTED

MARKER

CONFORMING

3 OR APPROVED EQUAL.

LL BE PAINTED ON THE

VE IS LOCATED IN

N 9-03.12(3)

CAST REINFORCED

VALVE MARKER POST

arc tail. It is not needed for this project.

VALVE

BACK OF POST

SEE NOTE 2

1-1/2" CRUSHED RO

TO WSDOT SPECIFICAL

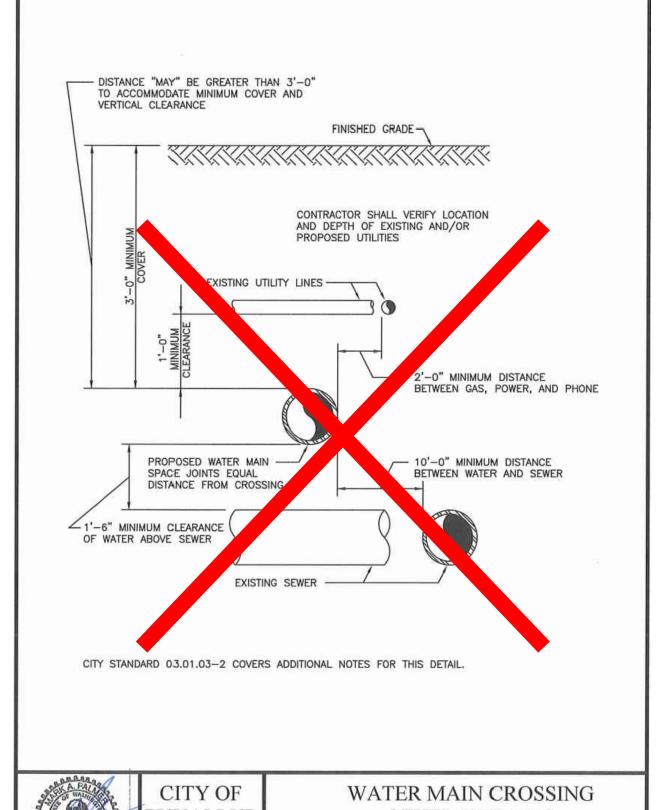
RUST-OLEUM SAFETY YELLOW #

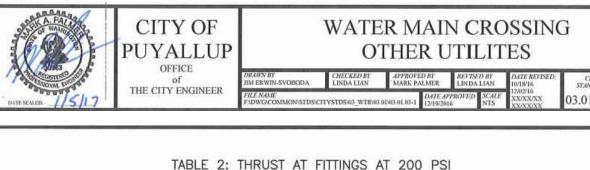
POST SHALL BE REQUIRED WHEN EVER THE WATER V

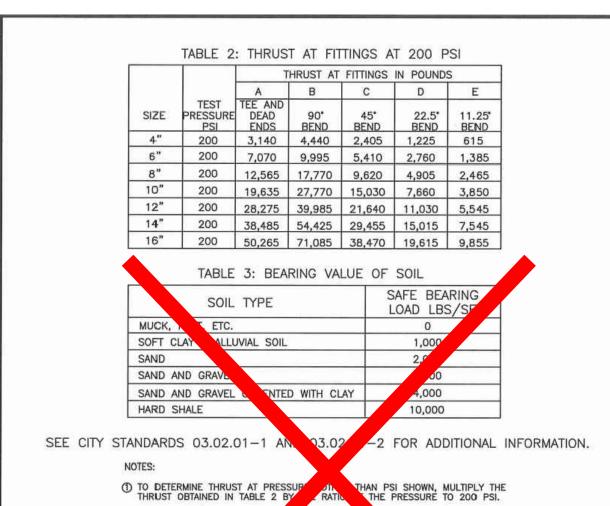
4. THE POST WILL ALSO BE REQUIRED FOR BLOW-OFF ASSEMBLIES IN THE SAME CONDITION

5. LOCATION OF VALVE MARKER POSTS SHALL BE OFFSET AT RIGHT ANGLES TO EACH LINE

THE MARKER POST TO THE WATER MAIN MARKER POST, IN BLACK WITH A 2" HIGH N







EXAMPLE, THE THRUST END AT 300 PSI. $\frac{300 \text{ PSI}}{200 \text{ PSI}} = 59,978$

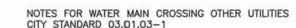
2 TO DETERMINE THE Y ME OF THE THRUST BLOCK: LBS/CF UNIT WEIGHT OF CONCRETE 59,978 LBS + 150 LB/CF = 399.9 CF 399.9 CF+27 CF/CY = 14.81 CY OF CON

MINE THE BEARING AREA OF THE THRUST BLOCK IN SQUARE EXAMPLE, FOR SAND AND GRAVEL BEARING VALUE FROM TABLE 3 IS 3, 59,978 LBS + 3000 LB/SF = 20 SF OF AREA

ONTRACTOR TO PROVIDE BLOCKING ADEQUATE TO WITHSTAND FULL TEST PRESSURE. 5 AREAS TO BE ADJUSTED FOR OTHER PRESSURE CONDITIONS

® NO WATER MAIN SHALL DEAD END AGAINST A MAIN LINE VALVE. DEAD END WATER MAINS SHALL BE BLOCKED AGAINST A RESTRAINED MECHANICAL—JOINT (M.J.) PLUG OR CAP.





Update all of these details to current standard.

[Plans; Sht C17 of 19]

WHEN LOCAL CONDITIONS PREVENT THE SEPARATIONS DESCRIBED ON CITY STANDARD 03.01.03-1, A SEWER MAY BE LAID CLOSER THAN 10-FEET HORIZONTALLY OR 18-INCHES VERTICALLY TO A WATER LINE, PROVIDED THE GUIDELINES BELOW ARE FOLLOWED: UNUSUAL CONDITIONS (PARALLEL SYSTEMS)

- 1. SEWER LINE IS LAID IN A SEPARATE TRENCH FROM THE WATER LINE.
- WHEN 18-INCHES VERTICAL SEPARATION CANNOT BE OBTAINED, THE SEWER SHALL BE CONSTRUCTED OF MATERIALS AND JOINTS THAT ARE EQUIVALENT TO WATER MAIN STANDARDS OF CONSTRUCTION AND SHALL BE PRESSURE TESTED TO ENSURE WATER TIGHTNESS PRIOR TO
- THE WATER LINE SHALL BE PLACED ON A BENCH OF UNDISTURBED EARTH WITH THE BOTTOM OF THE WATER PIPE AT LEAST 18-INCHES ABOVE THE CROWN OF THE SEWER, AND SHAPE HAVE AT LEAST 5 OF HORIZONTAL SEPARATION AT ALL TIMES. THE CITY RESERVES THE GHT TO EMENTAL MITIGATION EFFORTS, SUCH AS IMPERMEABLE BARRIERS
- THE SEWER SHALL OT BE INSTALLED IN THE SAME DITCH AS A POTABLE UNUSUAL CONDITIONS (PERP.
- A. GRAVITY SEWERS PASSING UN.
- ONE FULL SEGMENT (NOT LESS PIPE, AND THE LONGEST STANDAR LE IRON CLASS 52 WATER ABLE FROM THE MANUFACTURER SHALL BE USED W
- THICK CONTINUOUS STEEL, DUCTILE IRON, PRE RE RATED PVC PIPE WITH A DIMENSION E PIPE WALL THICKNESS) OF 18 OR SAND-CEMENT GROUT OR BENTONITE. RATIO (THE RATIO OF THE OUTSIDE DIAMETER LESS, WITH ALL VOIDS PRESSURE-GROUTED V PIPE WETER DIVIDED BY THE WALL THICKNESS

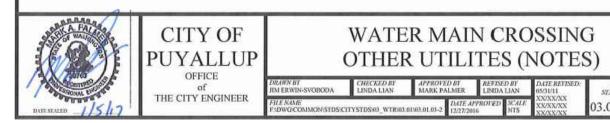
OR OD/T. FOR 8-INCH SCH. 80 PVC B. GRAVITY SEWER PASSING OVER WATE

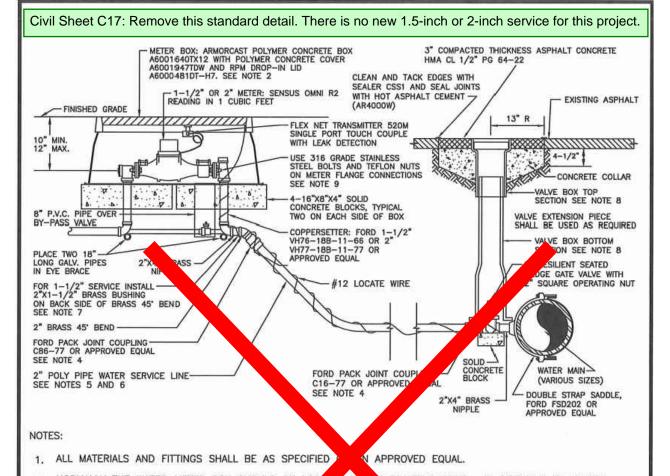
EXAMPLE OF DIMENSION RATIO (DR): OUT

- LEAST 18-INCHES BETWEEN THE RT OF THE SEWER AND THE

VES) THE DR IS 8.625/0.5=17.25

- HALL BE THE LONGEST STANDARD SEWER PIPE LENGTH AV
- LINE CASING EQUIVALENT TO THAT SPECIFIED IN A(2) ABOVE.





- NORMALLY THE WATER METER BOX SHOULD BE L THE CURB, PLACE METER BOX DIRECTLY BEHIND LOCATED IN HARD SURFACES. WHEN UNAVOIDA THE WATER METER BOX SHALL NOT BE N BE MADE AT END OF CUL-DE-SACS
- OF 36" IN IMPROVED R -OF-WAY AND IMPROVED EASEMENTS,

PIPE INSERT STIFFENERS.

- THE WATER SERVICE LINE SHALL VE 36" OF COVER BELOW FINISHED GRADE BE ONE CONTINUOUS PIECE WITH NO SPLICES. THE RIGHT-OF-WAY. THE WATER SERVICE LINE SHA
- H DENSITY POLY (IRON PIPE SIZE) MEETING ASTM D-SIDR 7 (PE 3408), 200 PSI MINIMUM.
- SERVICE, ALL MATERIAL SHALL BE 2" FROM THE WATER MAIN TO THE PPERSETTER.
- VALVE BOXES SHALL BE TWO-PIECE, ADJUSTABLE, CAST IRON WITH EXTENSION PIECE (IF NECESSARY), AS MANUFACTURED BY THE VANRICH # 940 SEATTLE OR APPROVED EQUAL. THE WORD "WATER" SHALL BE CAST IN RELIEF ON THE VALVE BOX COVER. VALVE BOX TOPS INSTALLED IN ARTERIAL ROADWAYS SHALL BE MANUFACTURED BY EAST JORDAN (EJ) IRONWORKS MODEL 8555 WITH VALVE BOX COVER MODEL 6800 OR
- THE STAINLESS STEEL METER FLANGE BOLTS SHALL BE 5/8" DIAMETER FOR THE 1-1/2" METER, AND 3/4" DIAMETER FOR THE 2" METER.



ALL POLY PIPE COUPLINGS SHALL

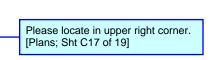
OFFICE

1-1/2" AND 2" WATER SERVICE CONNECTION

APPROVED

CITY OF PUYALLUP ENGINEERING SERVICES

NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.



UNBALANCED CROSS

1. THE FOLLOWING PRECAUTIONS

POURING CONCE CONCRETE SH

DETAIL NO. 06.01.01

OF CONCRETE TO DISTRIBUTE LOAD

OFFICE

THE CITY ENGINEER

AND/OR SOIL CONDITIONS.

2 S

ANS BRADLI

DETAIL

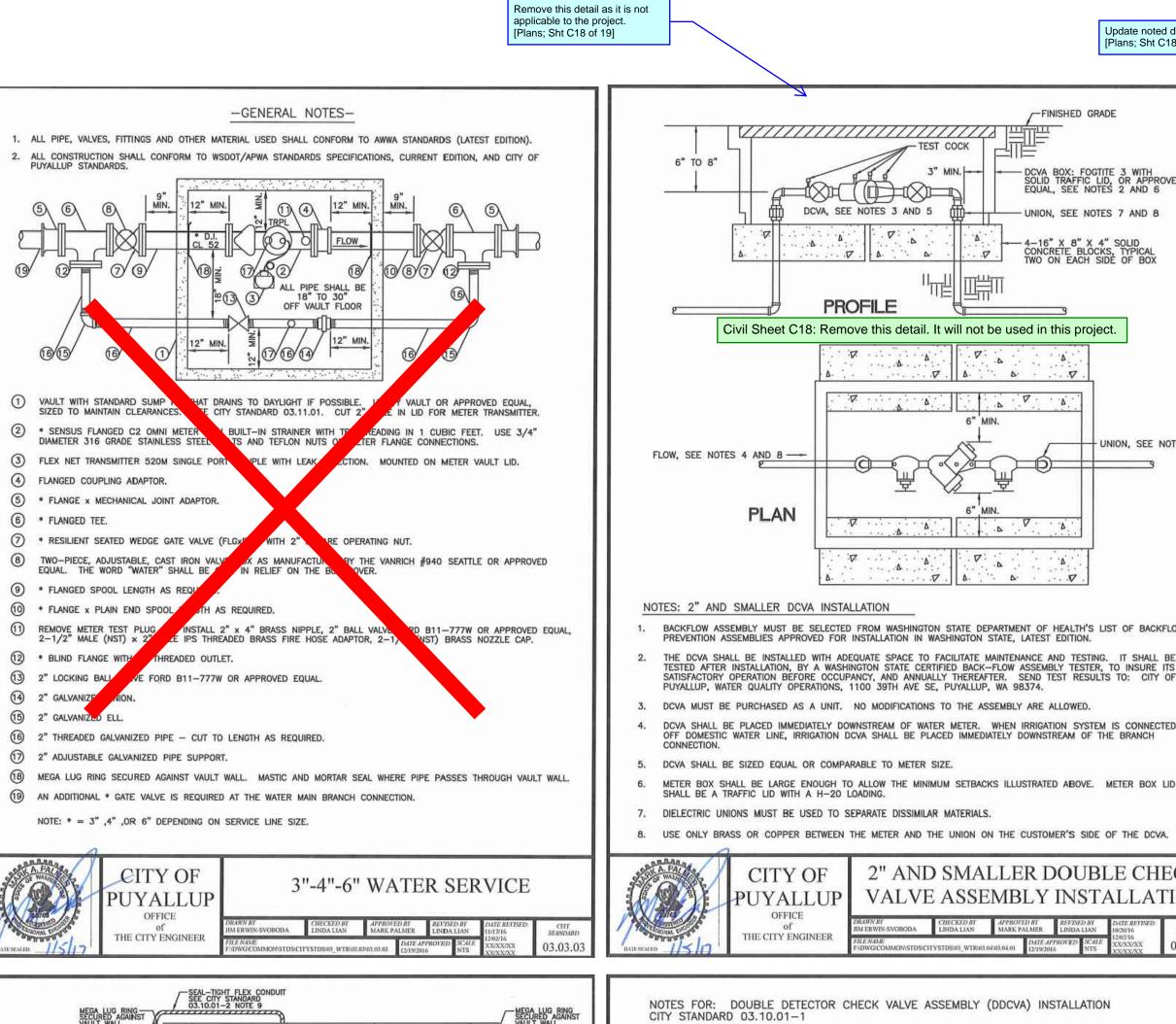
1R1 981(HOMES 6TH STR ~ O

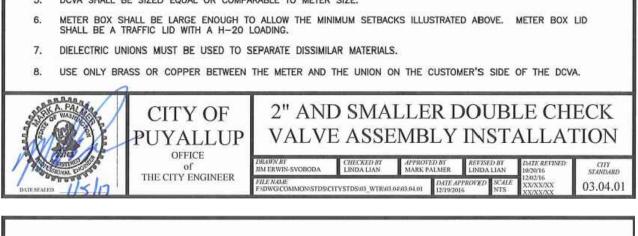
Ľ25672 j

DAYLIGHT DRAIN— SEE NOTE 5

UNION, SEE NOTE 7







DRAINAGE STRUCTURE.

(OS&Y) GATE VAL SED TAMPER S

WALLS OF THE VAULT.

IN WASHINGTON STATE, LATEST EDITION.

ALLOWED.

APPROVED ON-SITE ST

6. DDCVA OUTSIDE STEM AND Y VALVE (PIV), SHALL HAVE SUF

ALL ELECTRICAL SHALL BE INSPEC

8. IN A VAULT INSTALLATION, RUN TWO 3

FDCA CAST DEVICE BOX OR APP

SEAL-TIGHT FLEX COND

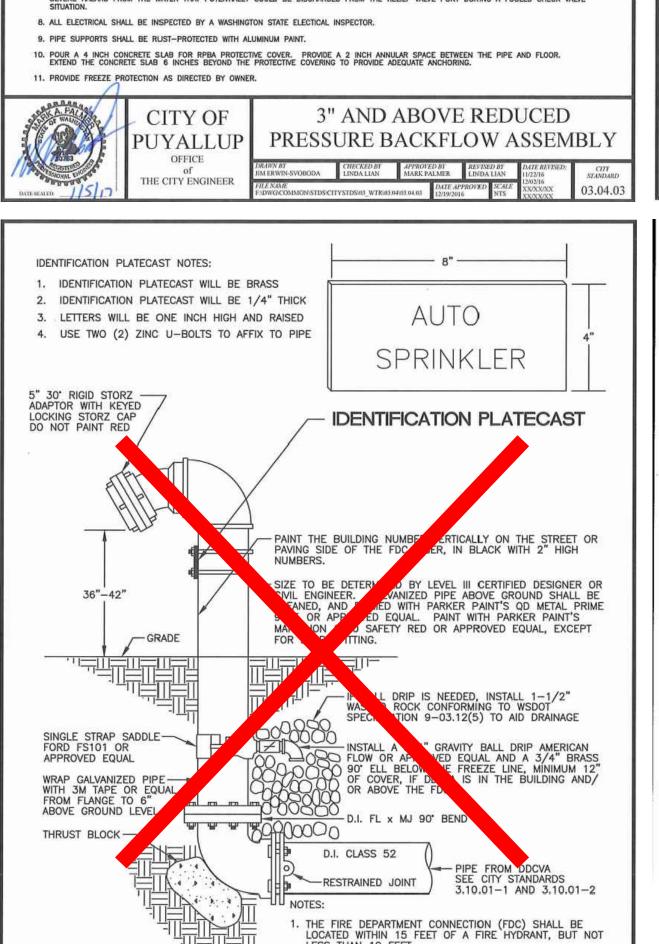
OR HORIZONTALLY TO

10. WATER METER SH

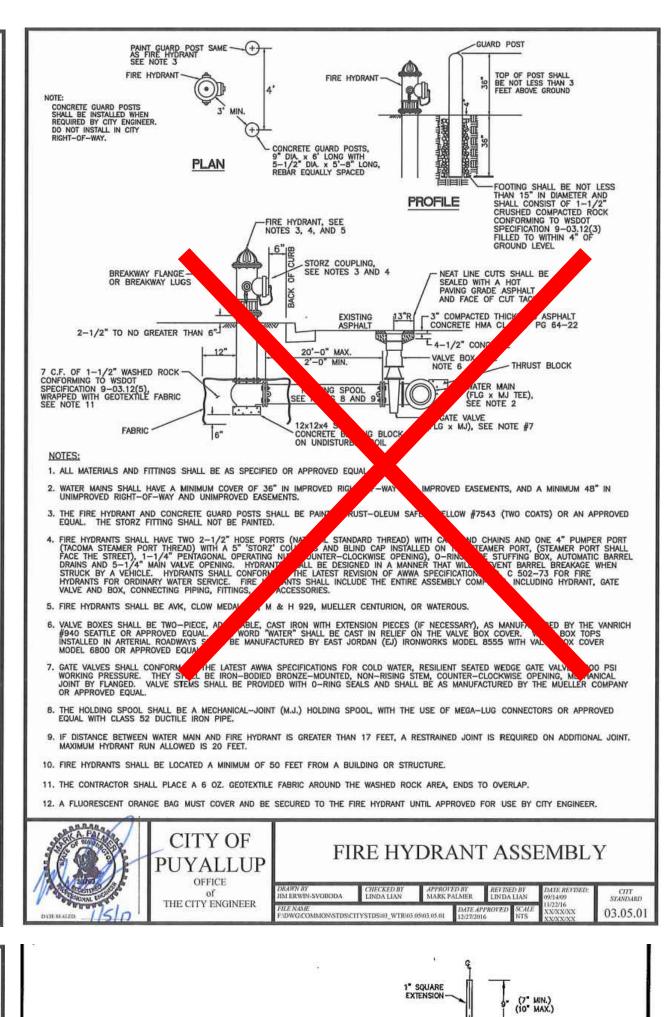
VAULT. ONE WILL BE USED FOR A

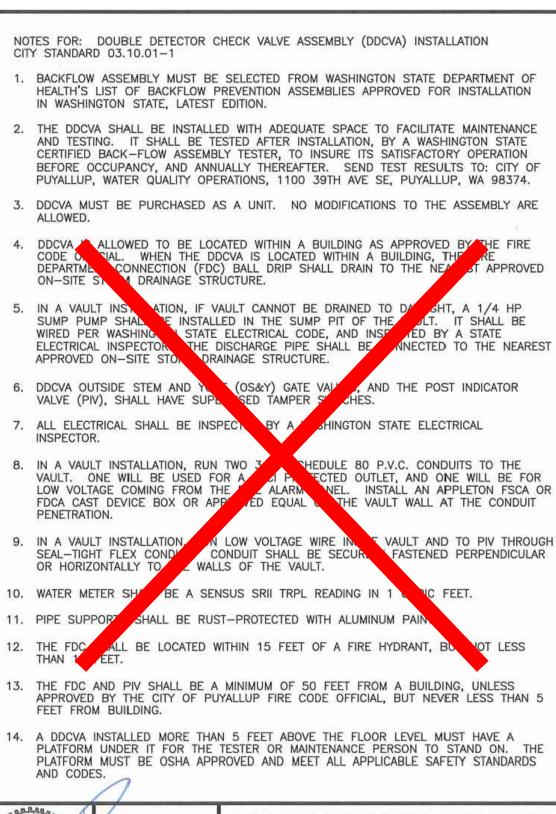
OFFICE

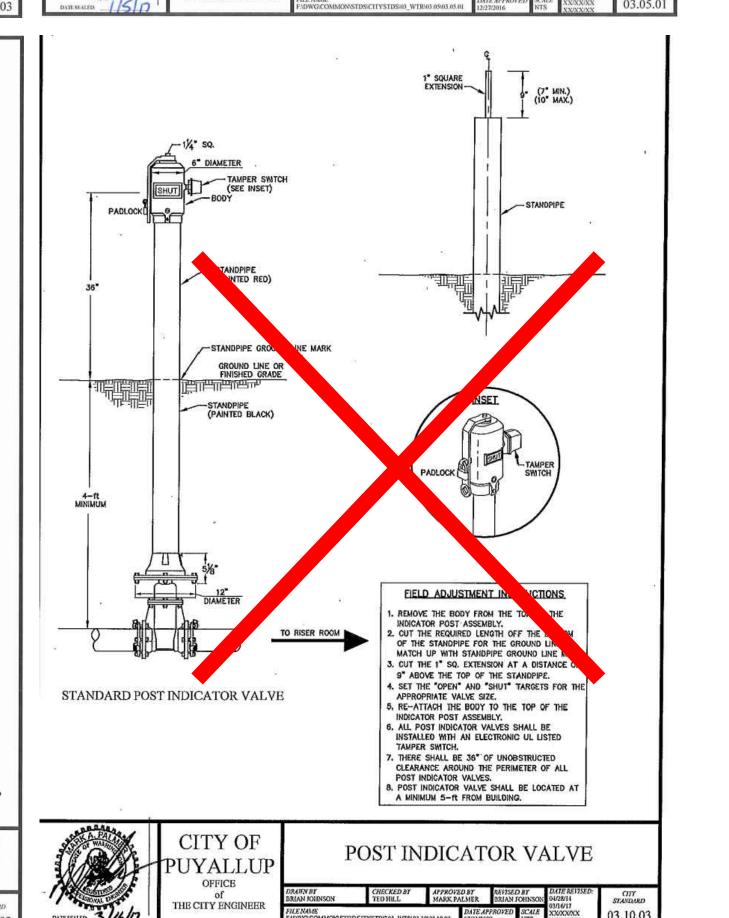
THE CITY ENGINEER

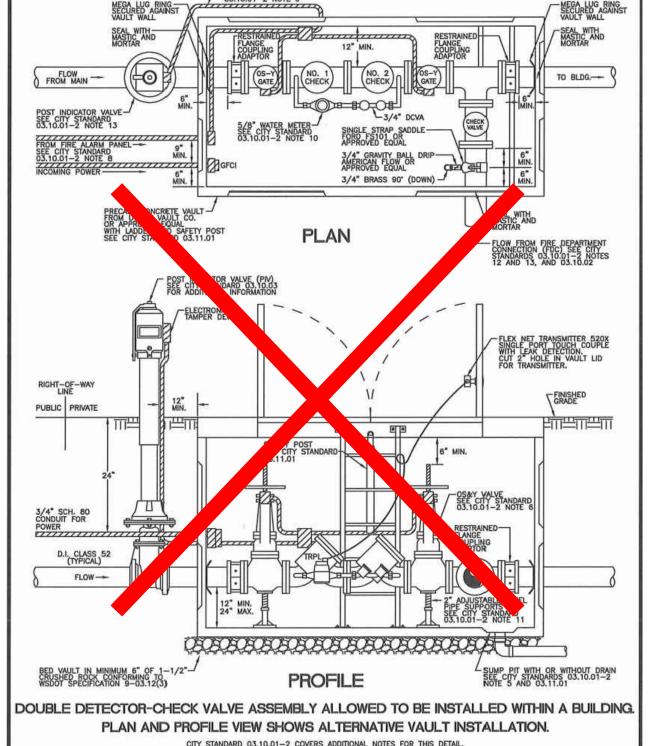


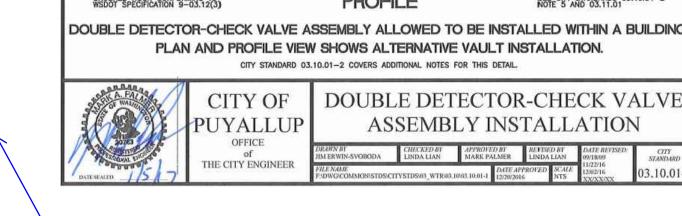
PLAN

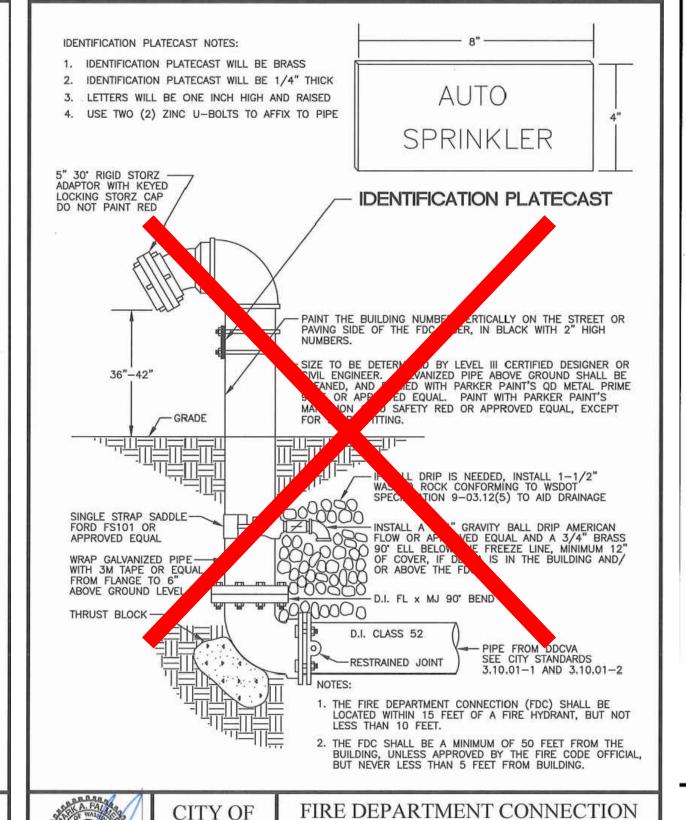






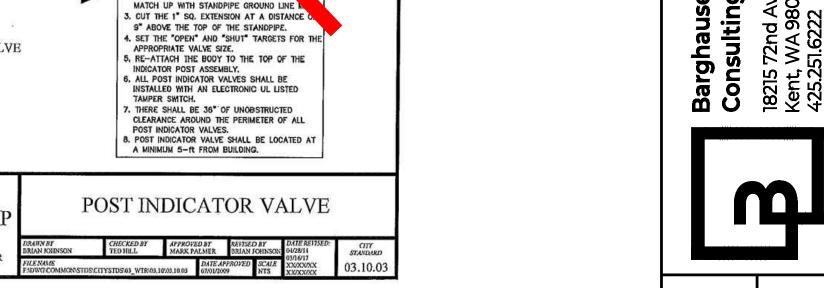






OFFICE

(FDC)



Please locate in upper right corner. [Plans; Sht C18 of 19]

APPROVED

CITY OF PUYALLUP

ENGINEERING SERVICES

NOTE: THIS APPROVAL IS VOID

AFTER 1 YEAR FROM APPROVAL

RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS

ENGINEERING SERVICES MANAGER.

THE CITY WILL NOT BE

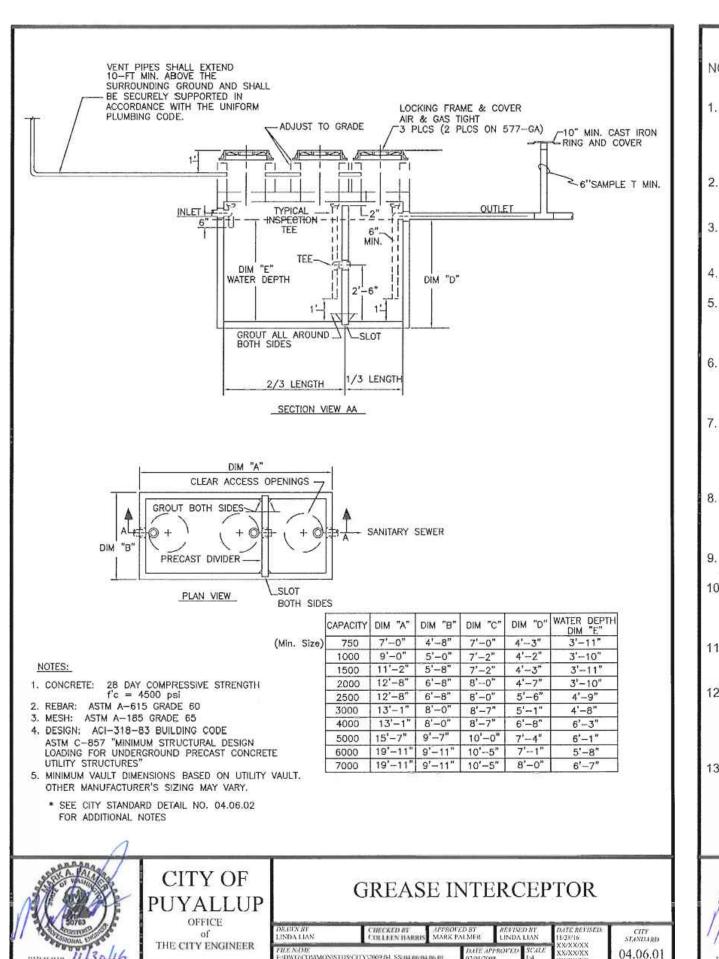
DETERMINED BY THE

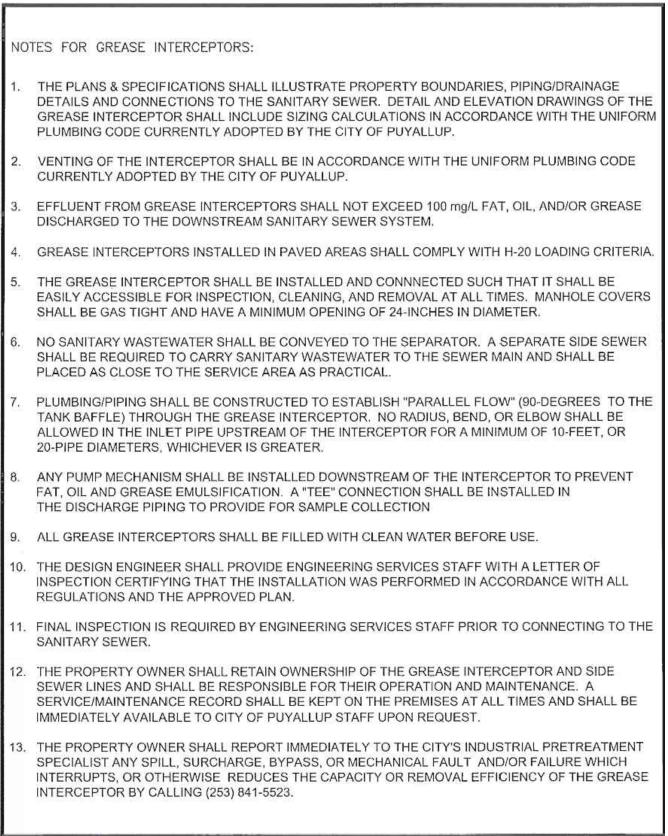
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HOME 6TH ST

2

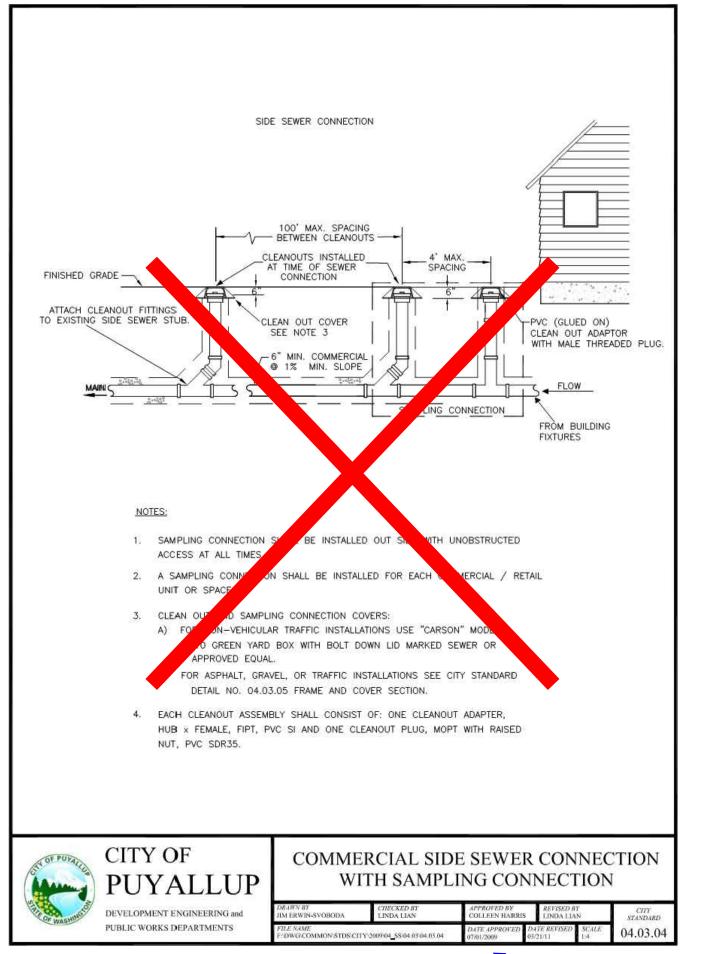
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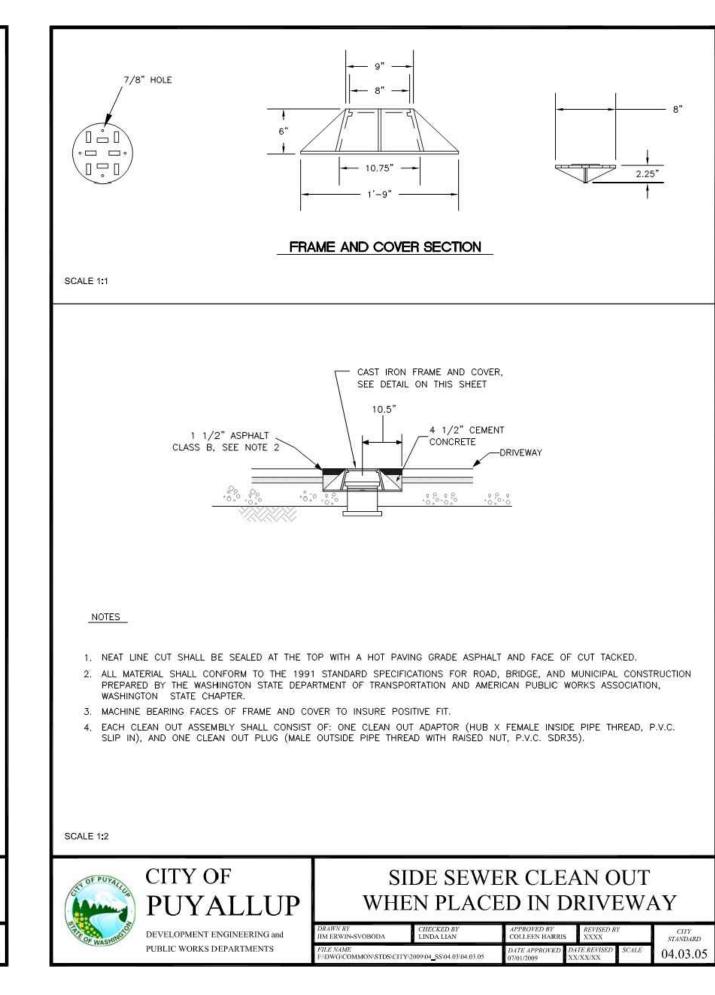
GREASE INTERCEPTOR

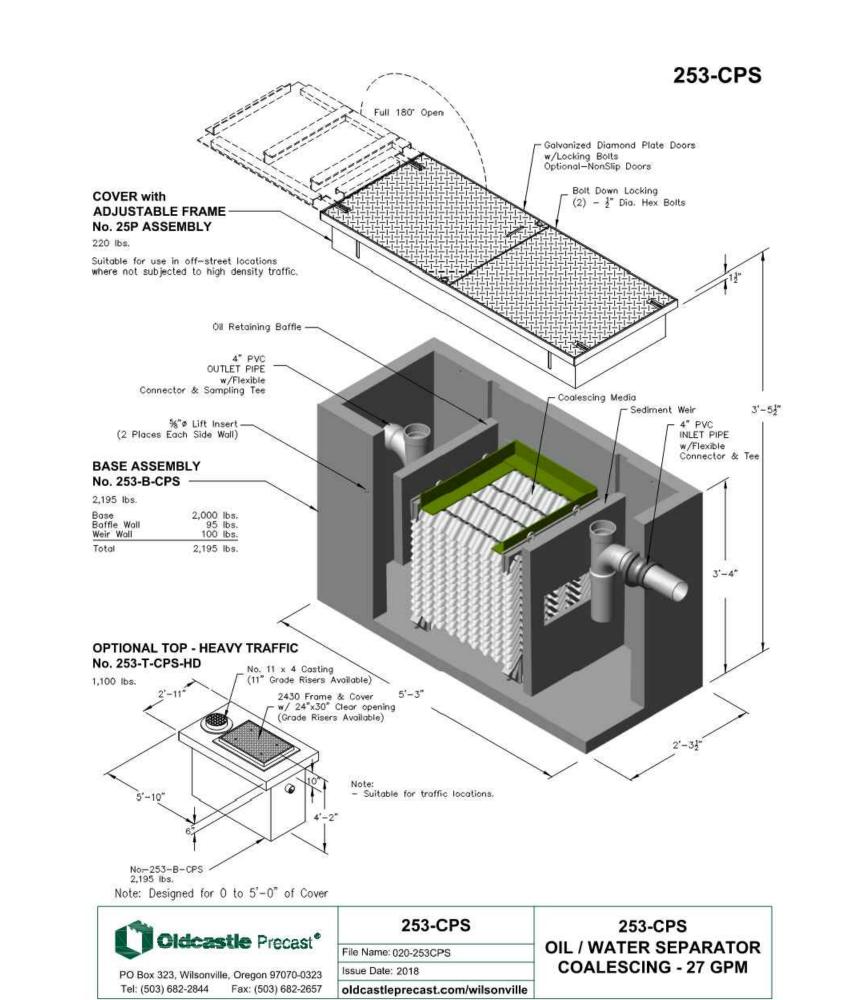
(NOTES)



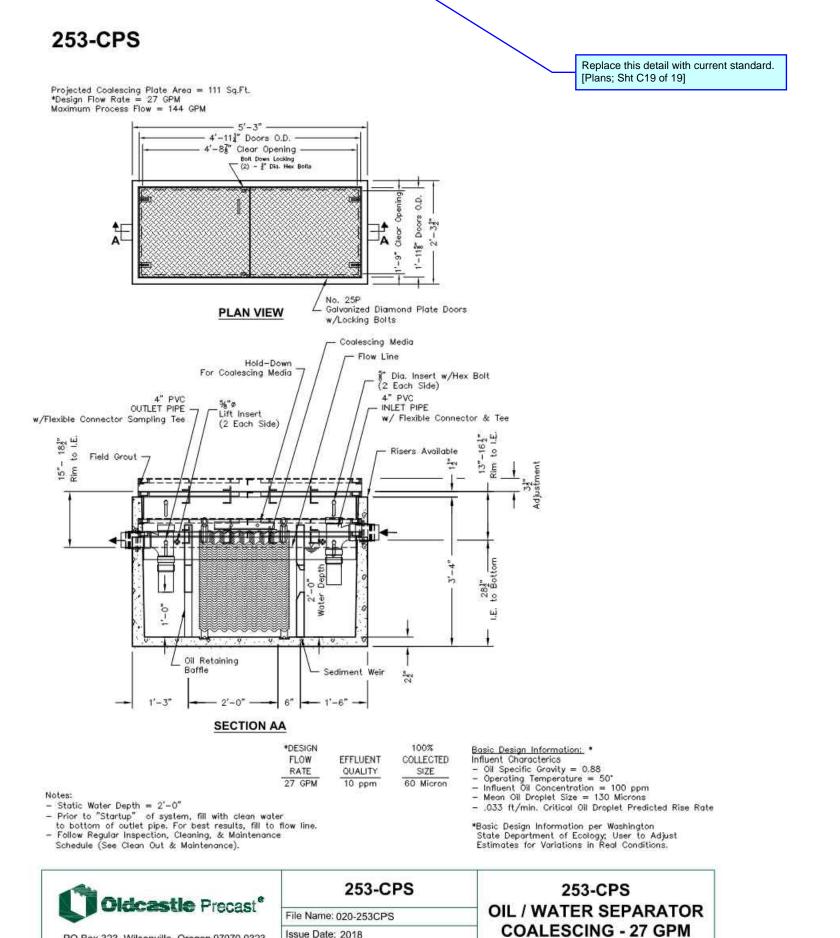
PO Box 323, Wilsonville, Oregon 97070-0323

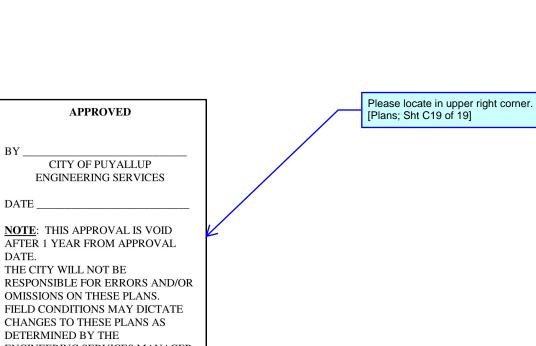
Tel: (503) 682-2844 Fax: (503) 682-2657 oldcastleprecast.com/wilsonville





OFFICE





ENGINEERING SERVICES MANAGER.

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