

DRAWING

SHEET

OF

Bradley Heights Section 3, Township 19 N, Range 4 E, Willamette Meridian, Pierce County, Washington



PRRWF20250237

AZURE CONSU

#4 Cross-Sections
Bradley Heights

CITY OF PUYALLUP DEVELOPMENT SERVICES

THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.

APPROVED

City of Puyallup evelopment & Permitting Services ISSUED PERMIT

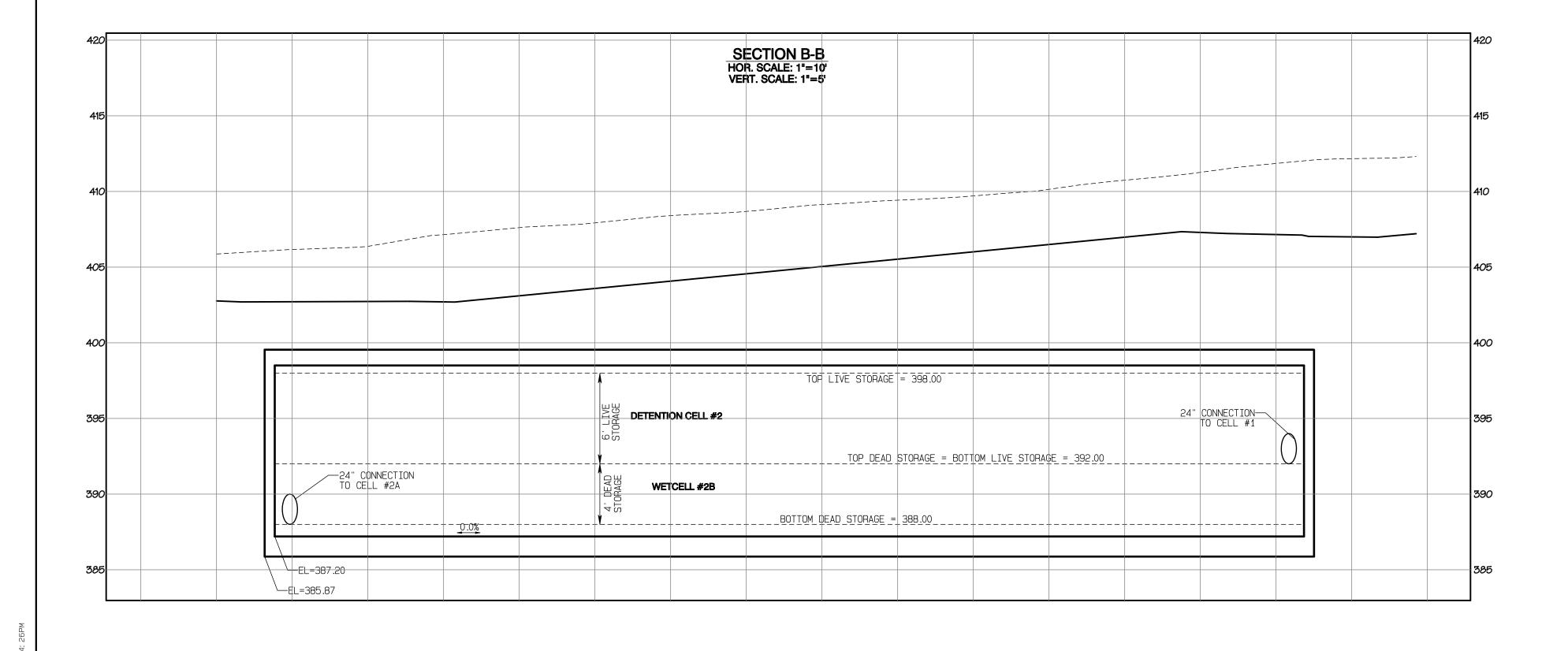
Engineering Public Works

Planning

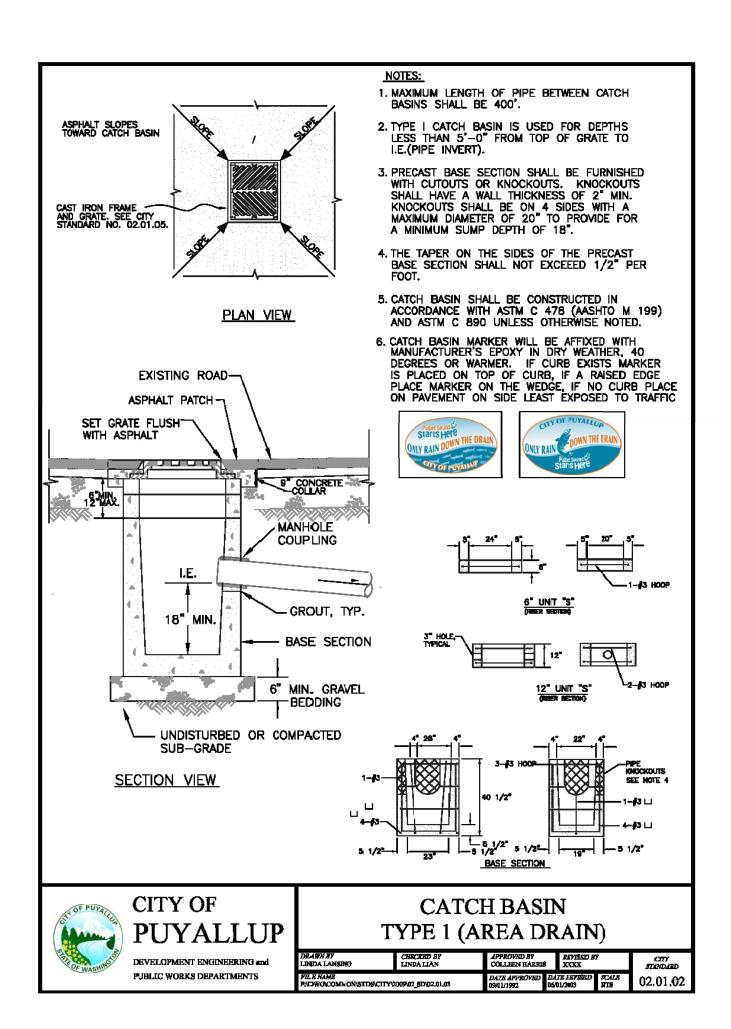
Traffic

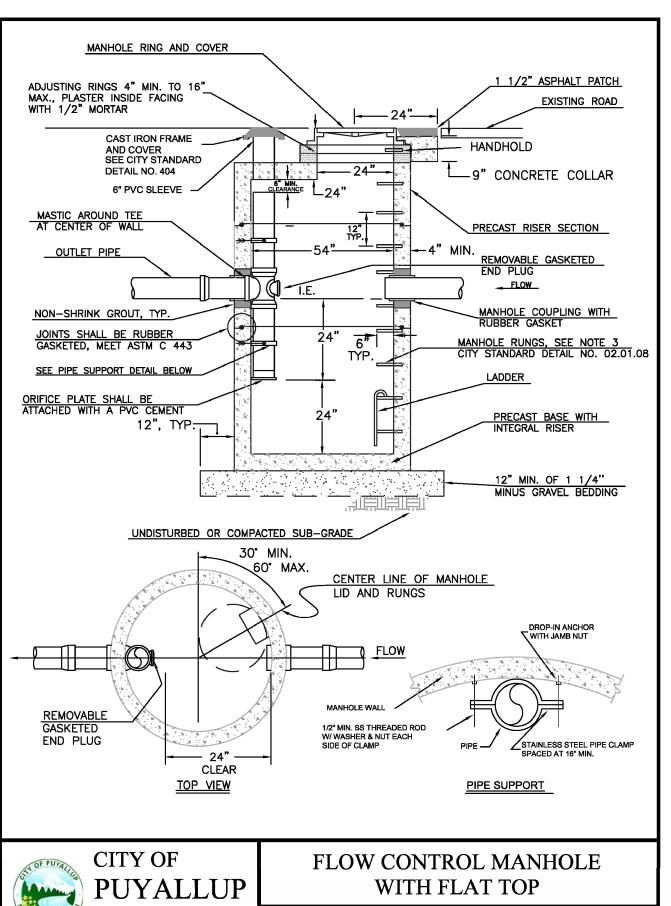
THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

DRAWING SHEET OF



420					SECTION HOR. SCALE: 1 VERT. SCALE:	C-C "=10' 1"=5'					420
415											 415
410										 	410
105			 								 405
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95				DETENT S OBAGE	ON CELL #3	TOP DEAD	STORAGE = BOTTOM LIVE STORAG	3E = 392.00	12" STANDPIPE———————————————————————————————————		— 39 5
90											390
85											38 5

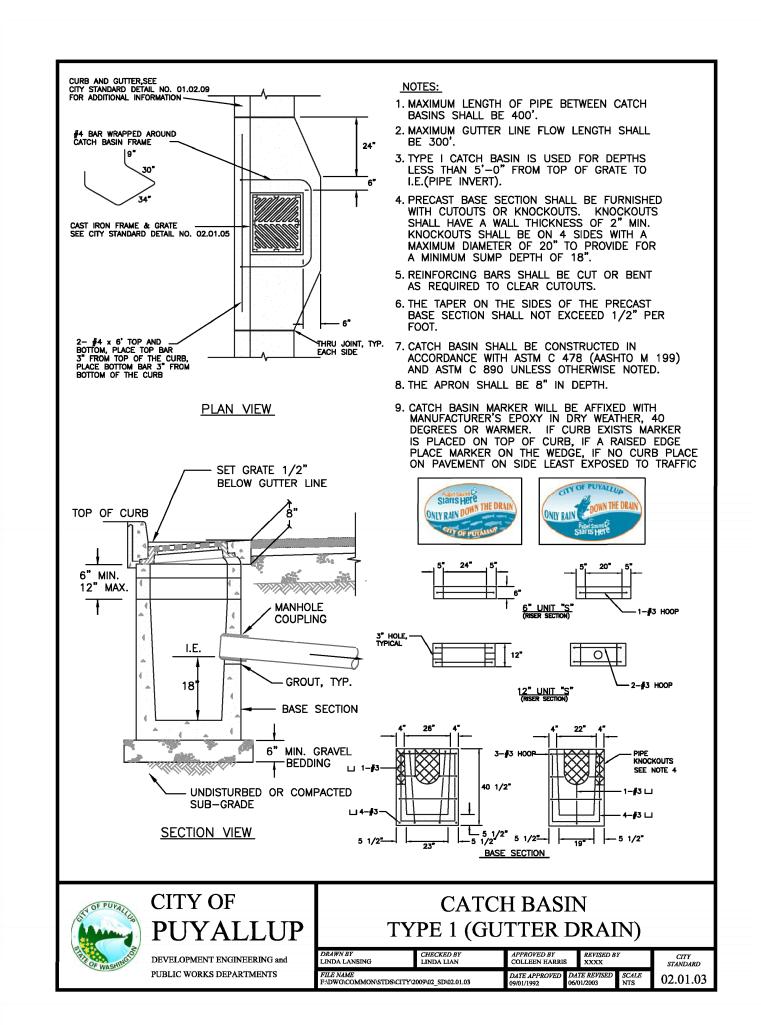


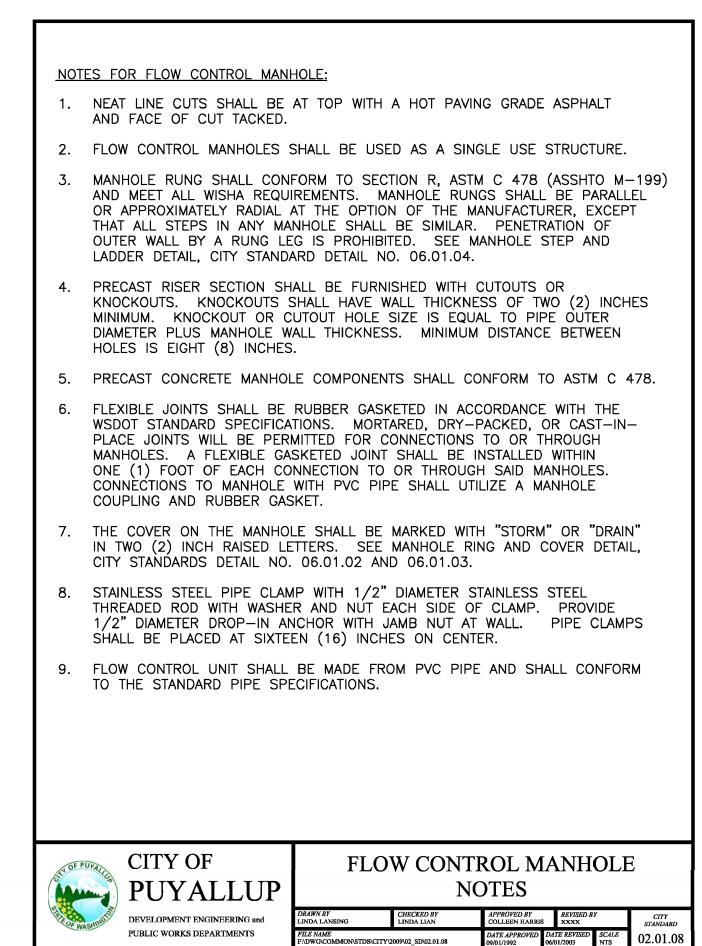


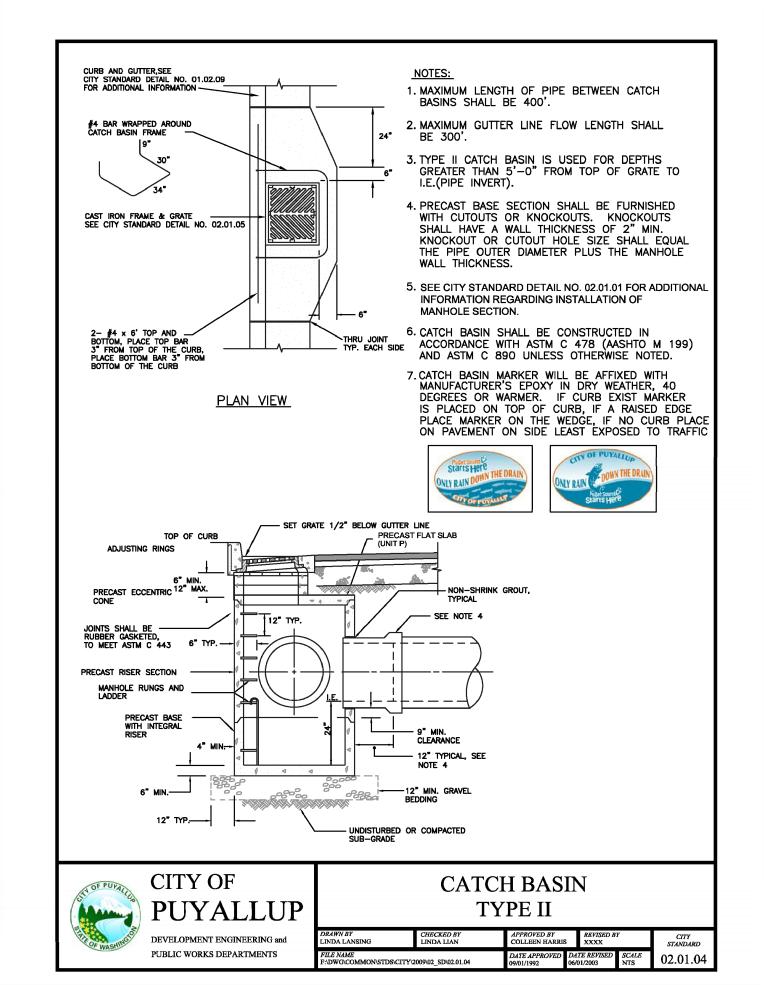
ATE APPROVED | DATE REVISED | SCALE | NTS | 02.01.07

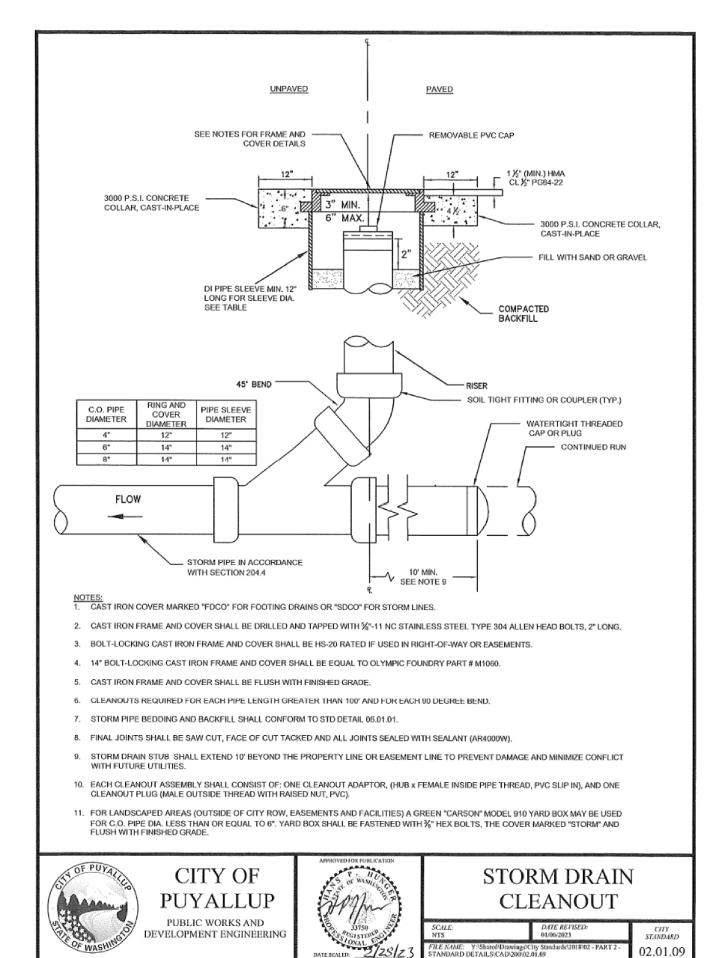
DEVELOPMENT ENGINEERING and

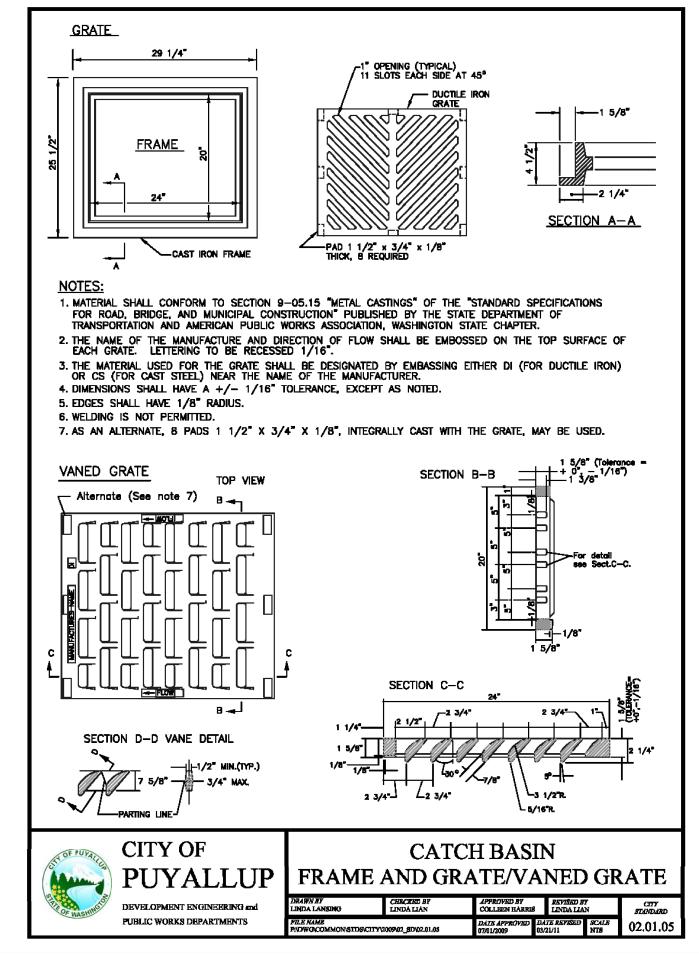
PUBLIC WORKS DEPARTMENTS

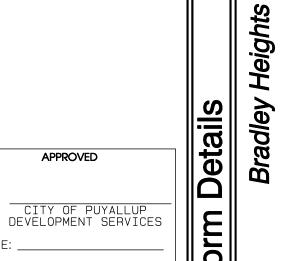












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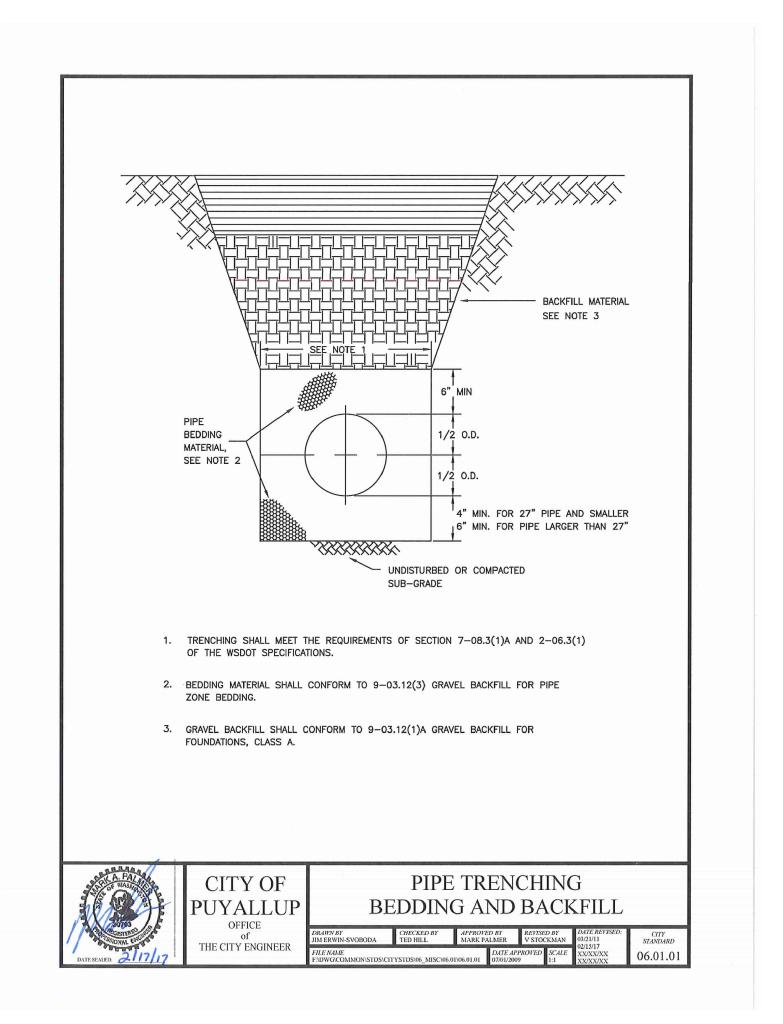
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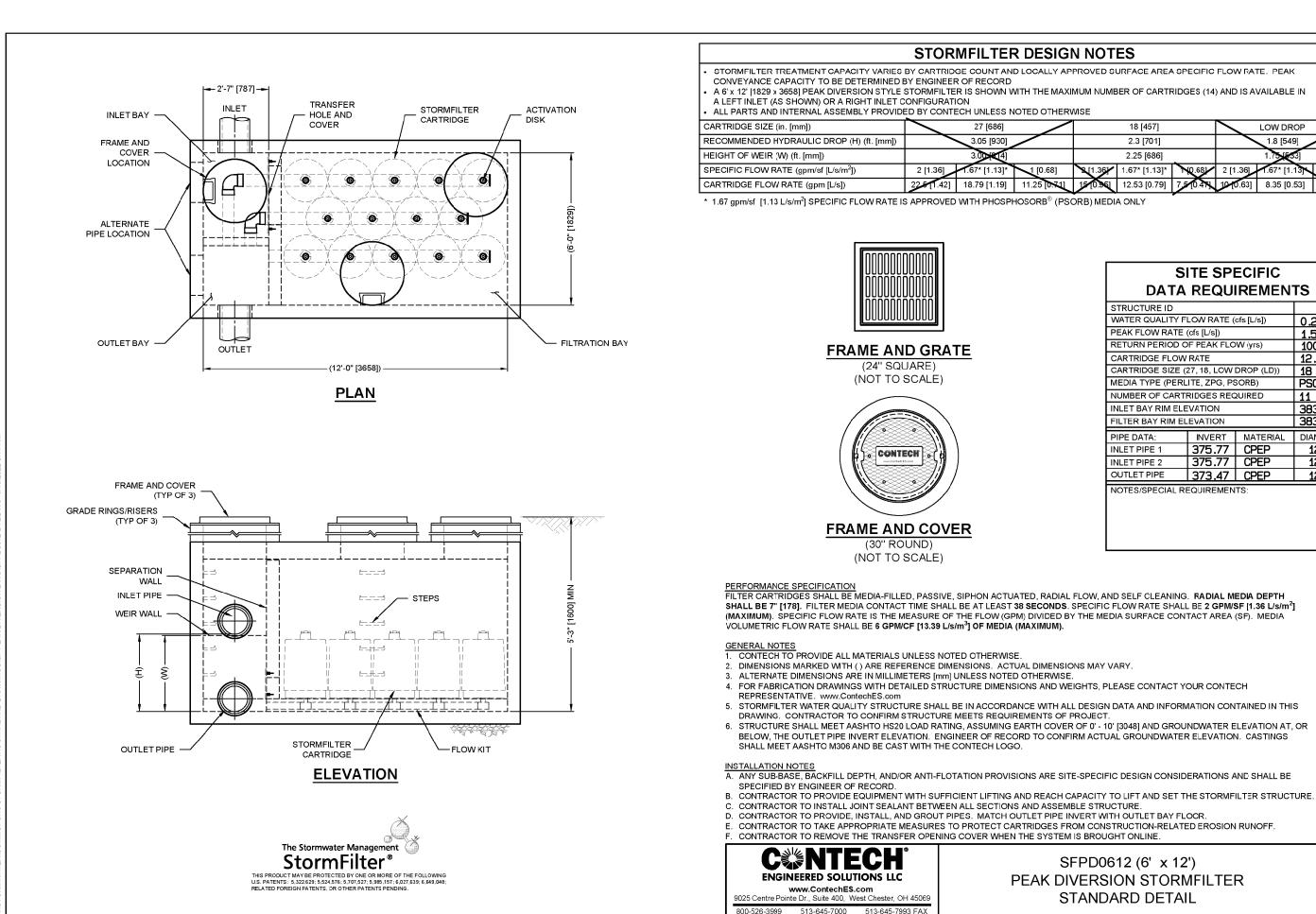
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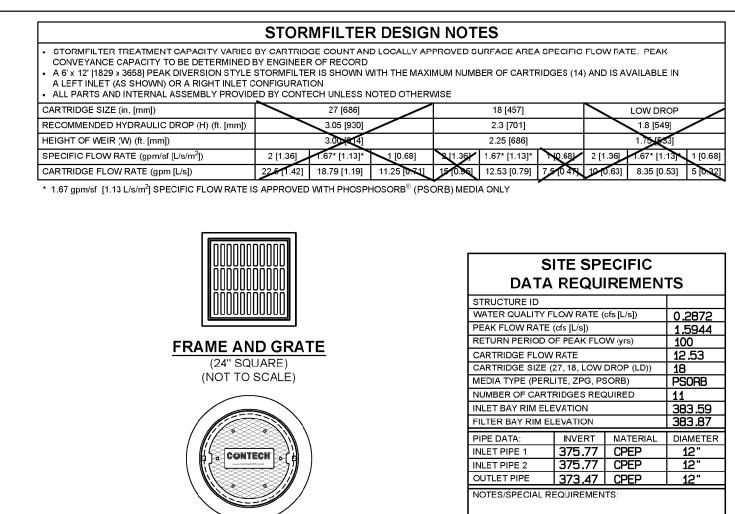
OF

DRAWING SHEET

elopment & Permitting Services ISSUED PERMIT Building Planning Engineering **Public Works** Traffic Fire







<u>PERFORMANCE SPECIFICATION</u> FILTER CARTRIDGES SHALL BE MEDIA-FILLED, PASSIVE, SIPHON ACTUATED, RADIAL FLOW, AND SELF CLEANING. **RADIAL MEDIA DEPTH**

SHALL BE 7" [178]. FILTER MEDIA CONTACT TIME SHALL BE AT LEAST 38 SECONDS. SPECIFIC FLOW RATE SHALL BE 2 GPM/SF [1.36 L/s/m²] (MAXIMUM). SPECIFIC FLOW RATE IS THE MEASURE OF THE FLOW (GPM) DIVIDED BY THE MEDIA SURFACE CONTACT AREA (SF). MEDIA

DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT. 6. STRUCTURE SHALL MEET AASHTO HS20 LOAD RATING, ASSUMING EARTH COVER OF 0' - 10' [3048] AND GROUNDWATER ELEVATION AT, OR

BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH THE CONTECH LOGO.

INSTALLATION NOTES

A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE

C. CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL SECTIONS AND ASSEMBLE STRUCTURE.

D. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH OUTLET PIPE INVERT WITH OUTLET BAY FLOOR.

E. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION-RELATED EROSION RUNOFF. CONTRACTOR TO REMOVE THE TRANSFER OPENING COVER WHEN THE SYSTEM IS BROUGHT ONLINE.

> SFPD0612 (6' x 12') PEAK DIVERSION STORMFILTER STANDARD DETAIL



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 meeting.

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 Transpoliation 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

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

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

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.

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.

12. Catch pasins 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 inveli 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-30.20-04 (Olympic Foundry No. SM60 or equal). Vaned grates shall conform to WSDOT Standard Plan B-30.30-03 (Olympic Foundry No. SM60V or equal).

14. Stormwater pipe shall be only PVC, concrete, ductile iron pipe, or dual walled Polypropylene 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 I5—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 ductile iron pipe shall be 1.0 foot.

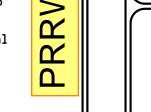
e. Polypropylene Pipe (PP) shall be dual walled, have a smooth interior and exterior corrugations and meet WSDOT 9-05.24(1). 12-inch through 30-inch pipe shall meet or exceed ASTM F2736 and AASHTO M330, Type S, or Type D. 36-inch through 60-inch pipe shall meet or exceed ASTM F2881 and AASHTO M330, Type S, or Type D. Testing

shall be per ASTM F1417. Minimum cover over Polypropylene pipe shall be 3-feet. 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 tested and inspected for acceptance as outlined in Section 406 of the City of Puyallup Sanitary Sewer System Standards.

18. 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



Planning

Public Works

Traffic

APPROVED

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Heights

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