

Jeff Fant

From: Chris Merritt <chris@olyeng.com>
Sent: Wednesday, October 10, 2018 4:13 PM
To: Jeff Fant
Cc: Steve Thompson; Paula Smith
Subject: By-Pass Flow Conveyance - Amended Plan
Attachments: Prelim Drainage Plan Amendment.pdf

Follow Up Flag: Follow up
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*RECEIVED FOR REVIEW
CP&D Engineering
11-Oct-18 #18-1315*

Jeff,

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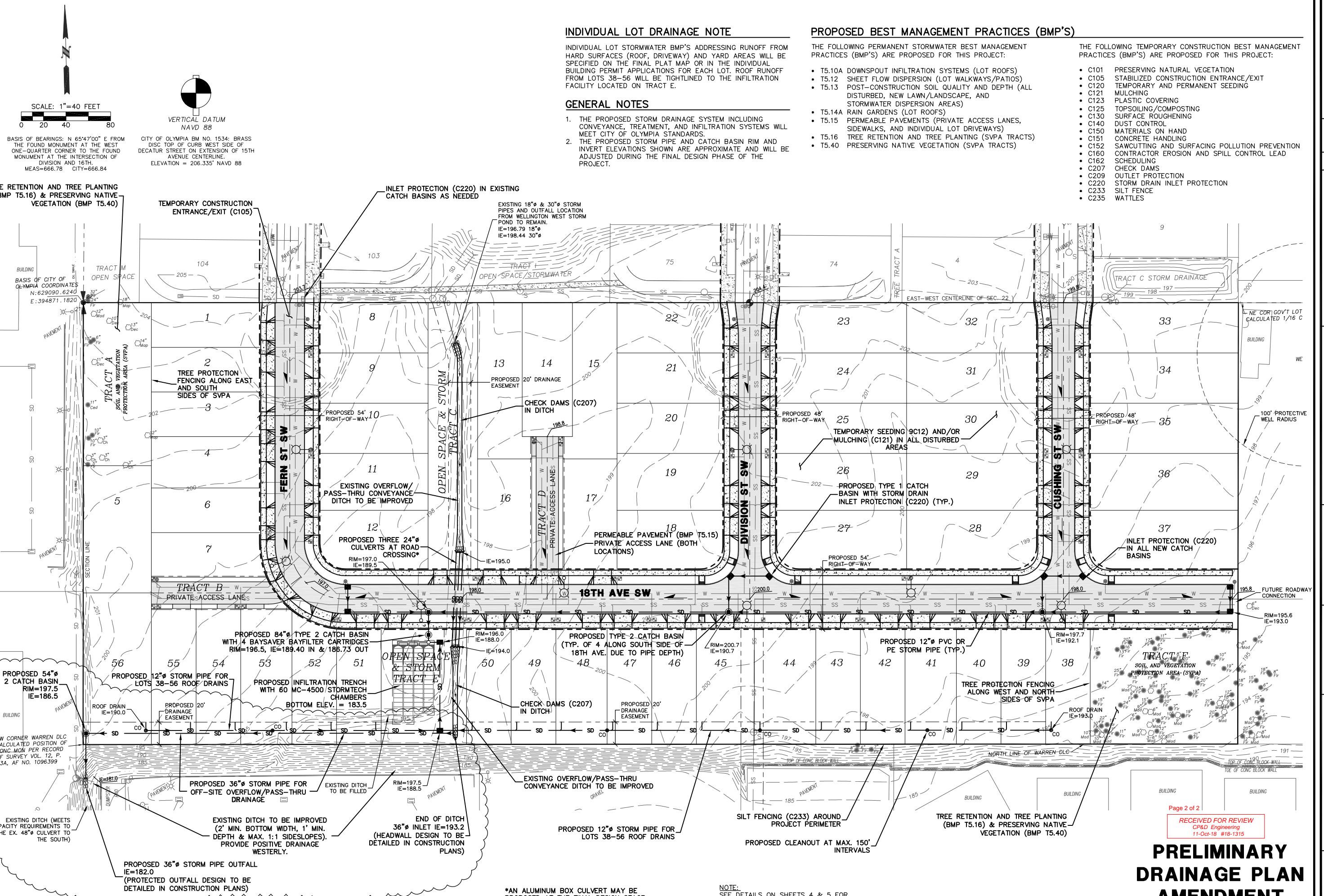
Attached is an amended drainage plan. We increased the storm pipe size to 36" diam. for an additional safety factor and to enable us to shallow up the pipe slope to 2%. At a 2% slope, the 36" pipe can convey up to 100-cfs. Also, we shifted the 36" pipe inlet location easterly to line up with the end of the north-south conveyance ditch and we shifted the outfall location westerly so it's contained entirely within the existing off-site easement.

Design details on the inlet headwall and outfall protection will be provided in the future construction plans.

Please let me know if you have any questions or comments.

Thanks,

Chris



INDIVIDUAL LOT DRAINAGE NOTE

INDIVIDUAL LOT STORMWATER BMP'S ADDRESSING RUNOFF FROM HARD SURFACES (ROOF, DRIVEWAY) AND YARD AREAS WILL BE SPECIFIED ON THE FINAL PLAT MAP OR IN THE INDIVIDUAL BUILDING PERMIT APPLICATIONS FOR EACH LOT. ROOF RUNOFF FROM LOTS 38-56 WILL BE TIGHTLINED TO THE INFILTRATION FACILITY LOCATED ON TRACT E.

PROPOSED BEST MANAGEMENT PRACTICES (BMP'S)

THE FOLLOWING PERMANENT STORMWATER BEST MANAGEMENT PRACTICES (BMP'S) ARE PROPOSED FOR THIS PROJECT:

- T5.10A DOWNSPOUT INFILTRATION SYSTEMS (LOT ROOFS)
- T5.12 SHEET FLOW DISPERSION (LOT WALKWAYS/PATIOS)
- T5.13 POST-CONSTRUCTION SOIL QUALITY AND DEPTH (ALL DISTURBED, NEW LAWN/LANDSCAPE, AND STORMWATER DISPERSION AREAS)
- T5.14A RAIN GARDENS (LOT ROOFS)
- T5.15 PERMEABLE PAVEMENTS (PRIVATE ACCESS LANES, SIDEWALKS, AND INDIVIDUAL LOT DRIVEWAYS)
- T5.16 TREE RETENTION AND TREE PLANTING (SVPA TRACTS)
- T5.40 PRESERVING NATIVE VEGETATION (SVPA TRACTS)

THE FOLLOWING TEMPORARY CONSTRUCTION BEST MANAGEMENT PRACTICES (BMP'S) ARE PROPOSED FOR THIS PROJECT:

- C101 PRESERVING NATURAL VEGETATION
- C105 STABILIZED CONSTRUCTION ENTRANCE/EXIT
- C120 TEMPORARY AND PERMANENT SEEDING
- C121 MULCHING
- C123 PLASTIC COVERING
- C125 TOPSOILING/COMPOSTING
- C130 SURFACE ROUGHENING
- C140 DUST CONTROL
- C150 MATERIALS ON HAND
- C151 CONCRETE HANDLING
- C152 SAWCUTTING AND SURFACING POLLUTION PREVENTION
- C160 CONTRACTOR EROSION AND SPILL CONTROL LEAD
- C162 SCHEDULING
- C207 CHECK DAMS
- C209 OUTLET PROTECTION
- C220 STORM DRAIN INLET PROTECTION
- C233 SILT FENCE
- C235 WATTLES

WELLINGTON HEIGHTS

PRELIMINARY EROSION CONTROL AND DRAINAGE PLAN

BY: CMM

A circular seal for a professional engineer. The outer ring contains the text "CHRISTOPHER M. MERRITT" at the top and "PROFESSIONAL ENGINEER" at the bottom. In the center is a portrait of a man, with "STATE OF WASHINGTON" written above the portrait and "37401" written below it. The date "10/10/18" is written diagonally across the top of the seal.

JOB NUMBER:
17096
DRAWING NAME:
17096 DRPLA

SHEET: 1 OF 1

PRELIMINARY DRAINAGE PLAN AMENDMENT

NOTE:
SEE DETAILS ON SHEETS 4 & 5 FOR
REFERENCE

*AN ALUMINUM BOX CULVERT MAY BE PROPOSED AT THE FINAL DESIGN STAGE IN LIEU OF THE THREE 24"Ø CULVERTS.