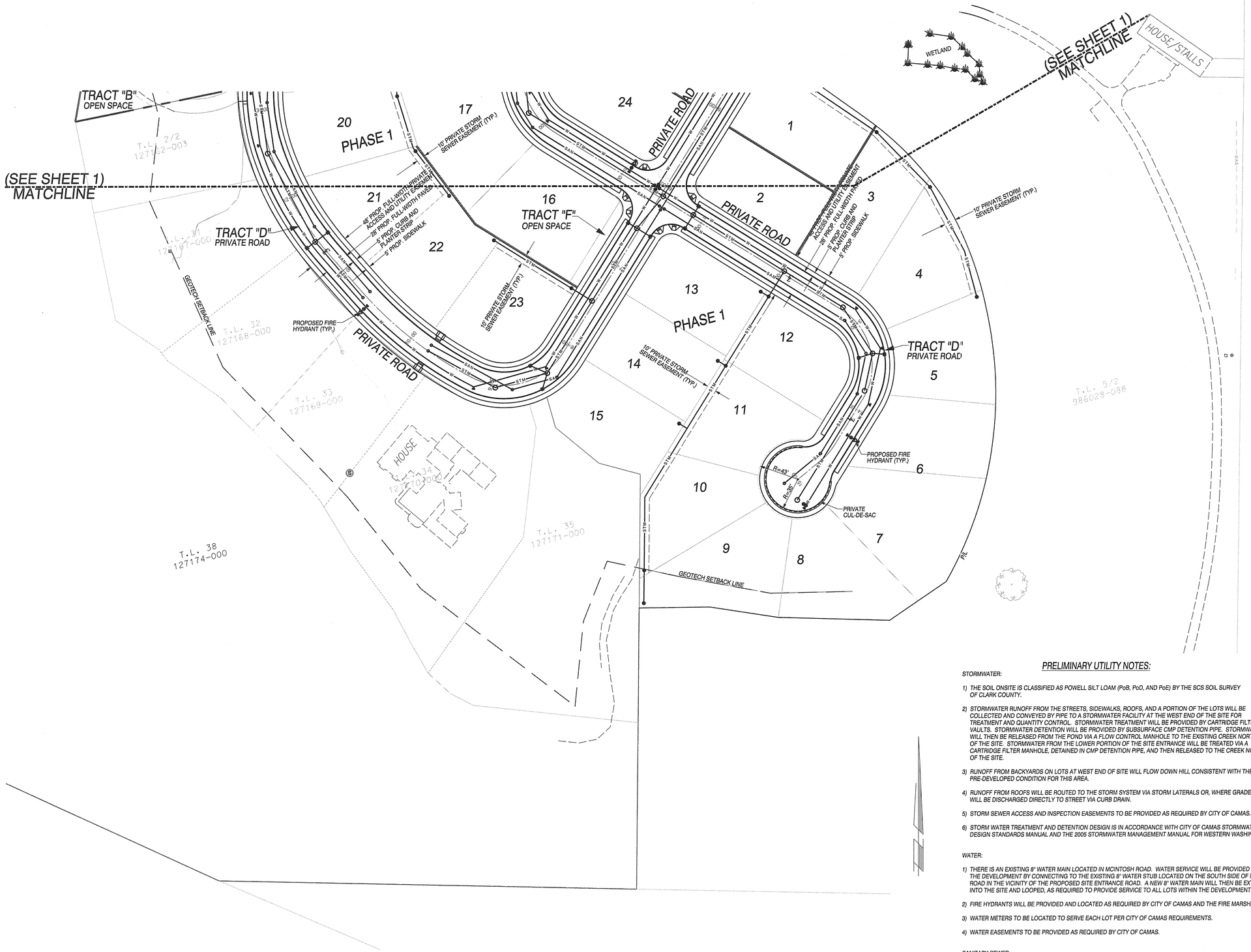
Exhibit 16
SUB17-02



PRELIMINARY UTILITY NOTES:

STORMWATER:

1) THE SOIL ONSITE IS CLASSIFIED AS POWELL SILT LOAM (PoB, PoD, AND PoE) BY THE SCS SOIL SURVEY OF CLARK COUNTY.

2) STORMWATER RUNOFF FROM THE STREETS, SIDEWALKS, ROOFS, AND A PORTION OF THE LOTS WILL BE COLLECTED AND CONVEYED BY PIPE TO A STORMWATER FACILITY AT THE WEST END OF THE SITE FOR TREATMENT AND QUANTITY CONTROL. STORMWATER TREATMENT WILL BE PROVIDED BY CARTRIDGE FILTER VAULTS. STORMWATER DETENTION WILL BE PROVIDED BY SUBSURFACE CMP DETENTION PIPE. STORMWATER WILL THEN BE RELEASED FROM THE POND VIA A FLOW CONTROL MANHOLE TO THE EXISTING CREEK NORTH OF THE SITE. STORMWATER FROM THE LOWER PORTION OF THE SITE ENTRANCE WILL BE TREATED VIA A CARTRIDGE FILTER MANHOLE, DETAINED IN CMP DETENTION PIPE, AND THEN RELEASED TO THE CREEK NORTH OF THE SITE.

3) RUNOFF FROM BACKYARDS ON LOTS AT WEST END OF SITE WILL FLOW DOWN HILL CONSISTENT WITH THE PRE-DEVELOPED CONDITION FOR THIS AREA.

4) RUNOFF FROM ROOFS WILL BE ROUTED TO THE STORM SYSTEM VIA STORM LATERALS OR, WHERE GRADE ALLOWS, WILL BE DISCHARGED DIRECTLY TO STREET VIA CURB DRAIN.

5) STORM SEWER ACCESS AND INSPECTION EASEMENTS TO BE PROVIDED AS REQUIRED BY CITY OF CAMAS.

6) STORM WATER TREATMENT AND DETENTION DESIGN IS IN ACCORDANCE WITH CITY OF CAMAS STORMWATER DESIGN STANDARDS MANUAL AND THE 2005 STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON.

WATER:

1) THERE IS AN EXISTING 8" WATER MAIN LOCATED IN MCINTOSH ROAD. WATER SERVICE WILL BE PROVIDED TO THE DEVELOPMENT BY CONNECTING TO THE EXISTING 8" WATER STUB LOCATED ON THE SOUTH SIDE OF MCINTOSH ROAD IN THE VICINITY OF THE PROPOSED SITE ENTRANCE ROAD. A NEW 8" WATER MAIN WILL THEN BE EXTENDED INTO THE SITE AND LOOPED, AS REQUIRED TO PROVIDE SERVICE TO ALL LOTS WITHIN THE DEVELOPMENT.

2) FIRE HYDRANTS WILL BE PROVIDED AND LOCATED AS REQUIRED BY CITY OF CAMAS AND THE FIRE MARSHAL.

3) WATER METERS TO BE LOCATED TO SERVE EACH LOT PER CITY OF CAMAS REQUIREMENTS.

4) WATER EASEMENTS TO BE PROVIDED AS REQUIRED BY CITY OF CAMAS.

SANITARY SEWER:

1) THERE IS AN EXISTING 8" STEF MAIN LOCATED IN MCINTOSH ROAD. SANITARY SEWER SERVICE WILL BE PROVIDED TO THE DEVELOPMENT BY CONNECTING TO THE EXISTING 8" SANITARY STUB LOCATED ON THE SOUTH SIDE OF MCINTOSH ROAD IN THE VICINITY OF THE PROPOSED SITE ENTRANCE ROAD. A NEW 8" SANITARY STEF MAIN WILL THEN BE EXTENDED INTO THE SITE IN ORDER TO PROVIDE SANITARY SERVICE TO EACH LOT.

2) 4" SANITARY STEF LATERALS WILL BE INSTALLED TO SERVE EACH LOT PER CITY OF CAMAS REQUIREMENTS. INDIVIDUAL STEF TANKS WILL BE INSTALLED ON EACH LOT BY THE HOMEBUILDER(S) AND WILL BE LOCATED PER CITY OF CAMAS REQUIREMENTS.

3) SANITARY SEWER EASEMENTS TO BE PROVIDED AS REQUIRED BY CITY OF CAMAS.

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M:\MicroStation V8\pen tables\OCE table setup\oce utilities.tbl

CLIENT:
MCINTOSH RIDGE LLC
16420 SE McGILVRAY BLVD.
STE. 103-197
VANCOUVER, WA 98683
PH: (360) 834-7800

PRELIMINARY UTILITY PLAN (SOUTH) FOR:

DAWSON'S RIDGE SUBDIVISION

OLSON ENGINEERING INC.
LAND SURVEYORS
ENGINEERS
222 E. EVERGREEN BLVD., VANCOUVER, WA 98660
360-696-1855
503-289-8596

PETER A. TUCK
STATE OF WASHINGTON
40197
REGISTERED PROFESSIONAL ENGINEER

05/19/17

CHANGES / REVISIONS	
DESCRIPTION:	DATE:

DESIGNED: RWP

DRAWN: RWP

CHECKED: PAT

DATE: MAY 2017

SCALE: H: 1"=50'
V:

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DAWSON'S RIDGE SUBDIVISION

JOB NO. 7972.00.01

SHEET