

STORM SEWER:

- 1) STORMWATER QUALITY AND QUANTITY CONTROL TO BE ACHIEVED USING A "LARGE" WETPOND WITH DETENTION ABOVE THE WETPOOL. STORMWATER FROM THE DEVELOPMENT TO BE DISCHARGED VIA OUTFALLS TO THE EXISTING DITCH SOUTH OF NE INGLE ROAD. ULTIMATELY STORMWATER FROM THE DEVELOPMENT IS CONVEYED TO THE EXISTING WETLANDS LOCATED TO THE SOUTH AND WEST OF NE INGLE ROAD.
- 2) THE WETPOND HAS BEEN DESIGNATED AS A "LARGE" WETPOND TO MEET THE PHOSPHORUS CONTROL REQUIREMENTS FOR THE LACAMAS WATER SHED, AS SPECIFIED BY THE CITY OF CAMAS AND THE WASHINGTON STATE DEPARTMENT OF ECOLOGY.
- 3) THE PROPOSED STORMWATER FACILITIES WILL BE PRIVATELY OWNED AND MAINTAINED, WITH ACCESS AND INSPECTION EASEMENTS TO BE DEDICATED TO THE CITY OF CAMAS AS REQUIRED.
- 4) A BYPASS STORM MAIN IS TO BE INSTALLED IN NE INGLE ROAD TO CONVEY ALL OFFSITE STORMWATER RUNOFF TO THE OUTFALL LOCATION.
- 5) OFFSITE STORMWATER RUNOFF FROM HILLSIDES ABOVE THE DEVELOPMENT TO BE INTERCEPTED BY FRENCH DRAINS / AREA DRAINS AND ROUTED TO THE BYPASS MAIN IN NE INGLE ROAD FOR FUTURE RAINFALL MANAGEMENT AND DISCHARGED VIA FLOW SPREADERS DIRECTLY TO EXISTING WETLAND B AT SOUTH END OF THE SITE.

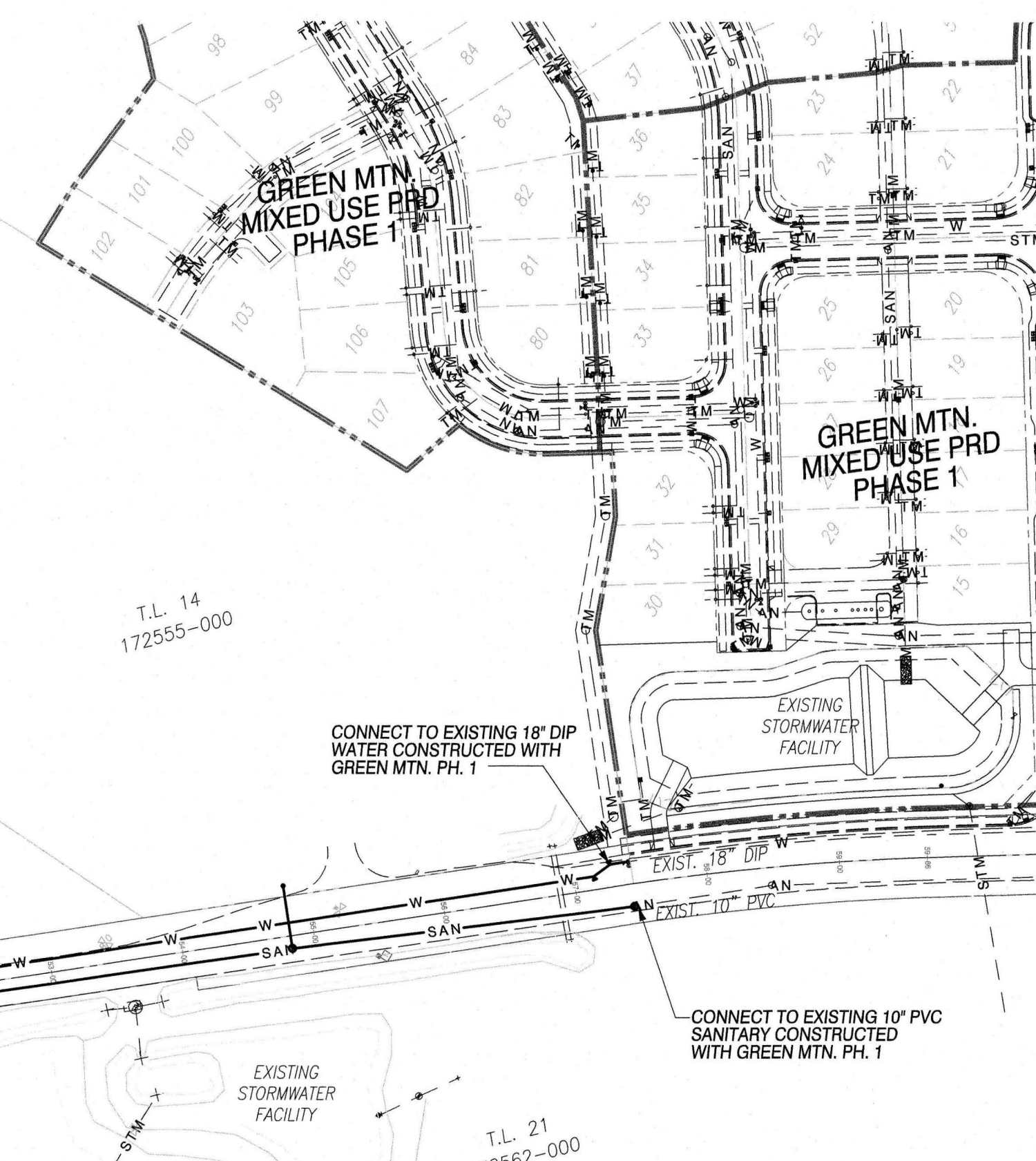
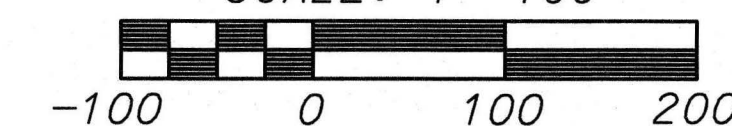
SANITARY:

- 1) **SANITARY SEWER SERVICE WILL BE PROVIDED BY CITY OF CAMAS.**
- 2) **THE SANITARY SEWER WILL BE A GRAVITY SYSTEM. THE EXISTING 10" PVC MAIN LOCATED IN NE INGLE ROAD THAT WAS CONSTRUCTED WITH GREEN MTN. PHASE 1 WILL BE EXTENDED ALONG THE SITE FRONTAGE TO THE NW CORNER OF THE PHASE 2 SITE. A NEW 8" PVC MAIN WILL BE EXTENDED INTO THE SITE WITH 6" LATERALS TO PROVIDE SERVICE TO EACH LOT.**
- 3) **SANITARY SEWER EASEMENTS WILL BE DEDICATED TO CITY OF CAMAS AS REQUIRED.**

WATER:

- 1) WATER SERVICE WILL BE PROVIDED BY CITY OF CAMAS.
- 2) THE EXISTING 18" DIP MAIN LOCATED IN NE INGLE ROAD THAT WAS CONSTRUCTED WITH GREEN MTN. PHASE 1 WILL BE EXTENDED ALONG THE SITE FRONTAGE TO THE NW CORNER OF THE PHASE 3 SITE. NEW 8" DIP WATER MAINS WILL BE LAYED THROUGH THE SITE WITH WATER SERVICES AND FIRE HYDRANTS TO PROVIDE WATER AND FIRE SERVICE TO THE PROPOSED DEVELOPMENT.
- 3) A WATER SYSTEM BOOSTER STATION (DE-SIS) IS TO BE CONSTRUCTED WITH PHASE 3 FOR LOTS ABOVE AN ELEVATION OF 370'. AS REQUIRED IN THE CITY OF CAMAS ENGINEERING CONDITIONS OF APPROVAL, A WATER MAIN LAYOUT HAS NOT YET BEEN SHOWN ON PLAN SHEET 1 BUT MAY BE SUBJECT TO CHANGE AT TIME OF FINAL DESIGN.
- 4) FIRE HYDRANTS WILL BE LOCATED AS SHOWN, OR AS DIRECTED BY THE FIRE MARSHAL.
- 5) WATER EASEMENTS WILL BE DEDICATED TO CITY OF CAMAS AS REQUIRED.
- 6) THERE IS AN EXISTING CLARK PUBLIC UTILITIES WELL AND ASSOCIATED EASEMENT LOCATED WITHIN THE SITE THAT SERVES THE MOUNTAIN GLEN SUBDIVISION LOCATED TO THE NORTH. THIS WELL IS TO BE ABANDONED AND THE EASEMENT VACATED AS PART OF THIS DEVELOPMENT. THE MOUNTAIN GLEN SUBDIVISION WATER SYSTEM WILL NOT BE CONNECTED TO THE PROPOSED MOUNTAIN GLEN PHASE 3 WATER SYSTEM. THE WATER SYSTEM WILL BE SEPARATE FROM THE EXISTING SUBDIVISION.

SCALE: 1"=100'



10/10/11

CHANGES / REVISIONS	
DESCRIPTION:	DATE:

DESIGNED: RWP

DRAWN: RWP

CHECKED: PAT

DATE: OCTOBER 2017

SCALE: H: 1"=100'

COPYRIGHT 2017, OLSON ENGINEERING, INC.

GREEN MOUNTAIN MIXED USE P.R.D.

JOB NO : 8038.01.02

SHEET

2 OF 5

J:\data\8000\8900\8930\8938\Engineering\Prelim\Phase 3\Sheets\8938.e.Border2.Prelim.Ph3 Utility South.dgn
M:\MicroStation V8\open tables\OCE table setup\OCE street util.tbl