

# ATTACHMENT 1

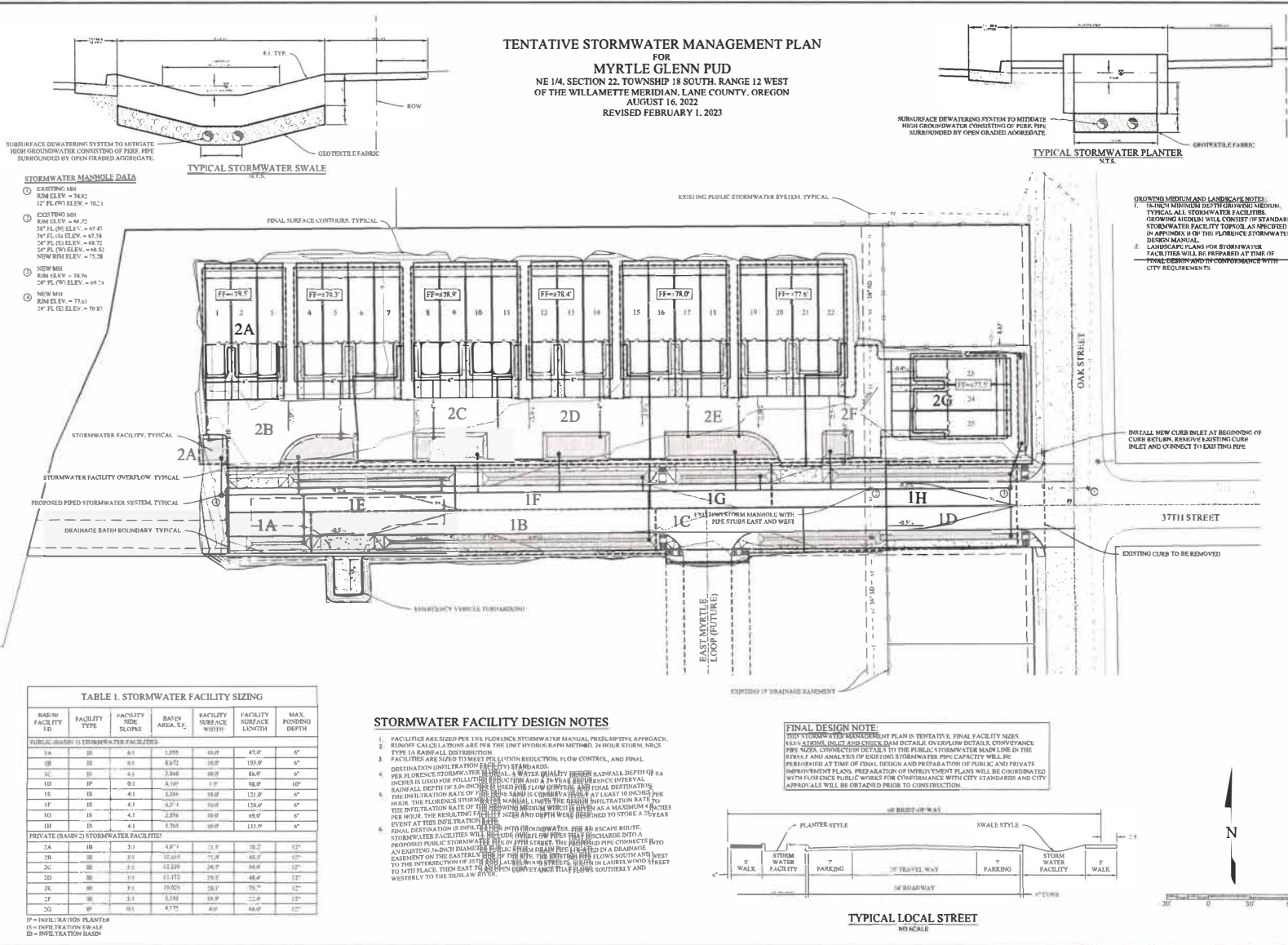
## Tentative Plan

Myrtle Glenn Subdivision  
Preliminary PUD Application to City of Florence  
December 2, 2022  
Attachment Revised/Resubmitted February 21, 2023





TENTATIVE STORMWATER MANAGEMENT PLAN  
FOR  
MYRTLE GLENN PUD  
NE 1/4, SECTION 22, TOWNSHIP 18 SOUTH, RANGE 12 WEST  
OF THE WILLAMETTE MERIDIAN, LAKE COUNTY, OREGON  
AUGUST 16, 2022  
REVISED FEBRUARY 1, 2023



**STORMWATER MANHOLE DATA**

- EXISTING MH  
RIM ELEV. = 74.82  
12" FL (FO) ELEV. = 70.21
- EXISTING MH  
RIM ELEV. = 48.72  
36" FL (FO) ELEV. = 47.41  
36" FL (FO) ELEV. = 47.18  
54" FL (FO) ELEV. = 48.72  
54" FL (FO) ELEV. = 48.52  
NEW RIM ELEV. = 75.28
- NEW MH  
RIM ELEV. = 74.76  
54" FL (FO) ELEV. = 69.24
- NEW MH  
RIM ELEV. = 77.63  
54" FL (FO) ELEV. = 70.87

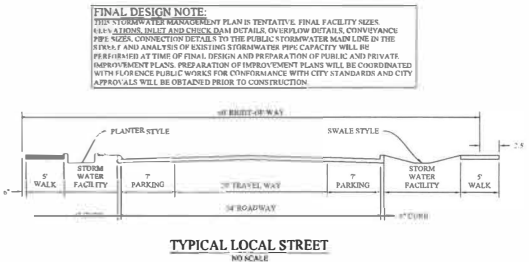
**TABLE 1. STORMWATER FACILITY SIZING**

BASIN FACILITY ID	FACILITY TYPE	FACILITY SIDE SLOPES	BASIN AREA, SQ. FT.	FACILITY SURFACE WIDTH	FACILITY SURFACE LENGTH	MAX. POSSIBLE DEPTH
<b>PUBLIC BASIN (1) STORMWATER FACILITIES</b>						
1A	IB	0:1	1,393	66.0'	47.0'	6"
1B	IB	0:1	8,872	18.0'	192.0'	6"
1C	IB	0:1	2,368	66.0'	86.0'	6"
1D	IP	0:1	4,169	8.0'	98.0'	10"
1E	IS	4:1	1,594	18.0'	121.0'	6"
1F	IS	4:1	4,271	18.0'	120.0'	6"
1G	IS	4:1	2,876	18.0'	69.0'	6"
1H	IS	4:1	1,760	18.0'	133.0'	6"
<b>PRIVATE BASIN (2) STORMWATER FACILITIES</b>						
2A	IB	3:1	4,871	13.1'	182.2'	12"
2B	IB	3:1	12,619	71.0'	46.1'	12"
2C	IB	3:1	12,249	76.7'	88.0'	12"
2D	IB	3:1	11,173	78.0'	68.0'	12"
2E	IB	3:1	19,025	28.1'	76.7'	12"
2F	IB	3:1	5,549	19.0'	122.4'	12"
2G	IP	0:1	4,771	8.0'	68.0'	12"

IP = INFILTRATION PLANTER  
IS = INFILTRATION SWALE  
IB = INFILTRATION BASIN

**STORMWATER FACILITY DESIGN NOTES**

- FACILITIES ARE SIZED PER THE FLORENCE STORMWATER MANUAL PRESUMPTIVE APPROACH. RUNOFF CALCULATIONS ARE PER THE UNIT HYDROGRAPH METHOD, 24 HOUR STORM, WPC TYPE 1A RAINFALL DISTRIBUTION.
- FACILITIES ARE SIZED TO MEET POLLUTION REDUCTION, FLOW CONTROL, AND FINAL DESTINATION (INFILTRATION PER CITY STANDARDS).
- FACILITIES ARE SIZED TO MEET A WATER QUALITY DESIGN (WQD) ENDPOINT DEPTH OF 6.0 PER FLORENCE STORMWATER MANUAL. A WATER QUALITY DESIGN (WQD) ENDPOINT DEPTH OF 6.0 INCHES IS USED FOR POLLUTION REDUCTION AND A 3-YEAR RETURN PERIOD INTERVAL RAINFALL DEPTH OF 3.0 INCHES IS USED FOR FLOW CONTROL AND FINAL DESTINATION.
- THE INFILTRATION RATE OF THE FACILITY SAND IS CONSERVATIVELY SET AT LEAST 10 INCHES PER HOUR. THE FLORENCE STORMWATER MANUAL LIMITS THE INFILTRATION RATE TO THE INFILTRATION RATE OF THE GROWING MEDIUM WHICH IS GIVEN AS A MAXIMUM 4 INCHES PER HOUR. THE RESULTING FACILITY SIZE AND DEPTH WERE DESIGNED TO STORE A 25-YEAR EVENT AT THE INFILTRATION RATE.
- FINAL DESTINATION IS INFILTRATION INTO GROUNDWATER. SEE AN ESCAPE ROUTE. STORMWATER FACILITIES WILL BE LOCATED OVER FLOW PIPES THAT DISCHARGE INTO A PROPOSED PUBLIC STORMWATER MAIN IN 37TH STREET. THE PROPOSED PFC CONNECTS INTO AN EXISTING 18" DRAINAGE MAIN. PUBLIC FLOW DRAIN PIPES ARE LOCATED IN A GRADEWASH EASEMENT ON THE EASTERN SIDE OF THE SITE. THE DRAINAGE PIPE FLOWS SOUTHWEST AND WEST TO THE INTERSECTION OF 37TH STREET AND LAURELWOOD STREET. SOUTH ON LAURELWOOD STREET TO 34TH PLACE, THEN EAST TO AN OPEN SURVEY AREA THAT FLOWS SOUTHERLY AND WESTERLY TO THE SULLY LAKE BASIN.



**GROWING MEDIUM AND LANDSCAPE NOTES**

- 12 INCH MEDIUM DEPTH GROWING MEDIUM. TYPICAL ALL STORMWATER FACILITIES. GROWING MEDIUM WILL CONSIST OF STANDARD STORMWATER FACILITY TOPSOIL AS SPECIFIED IN APPENDIX B OF THE FLORENCE STORMWATER DESIGN MANUAL.
- LANDSCAPE PLANS FOR STORMWATER FACILITIES WILL BE PREPARED AT TIME OF FINAL DESIGN AND IN CONFORMANCE WITH CITY REQUIREMENTS.

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**MYRTLE GLENN PUD**  
TENTATIVE PLAN  
DRAINAGE AND GRADING PLAN  
FLORENCE, LAKE COUNTY, OREGON

DATE: 1-5-2023  
JOB NUMBER: 7091-21-0007  
DESIGN BY: CLINT BEECHCROFT  
DRAWN BY: CLINT BEECHCROFT  
CHECKED BY:

SHEET NUMBER: SHEET 4