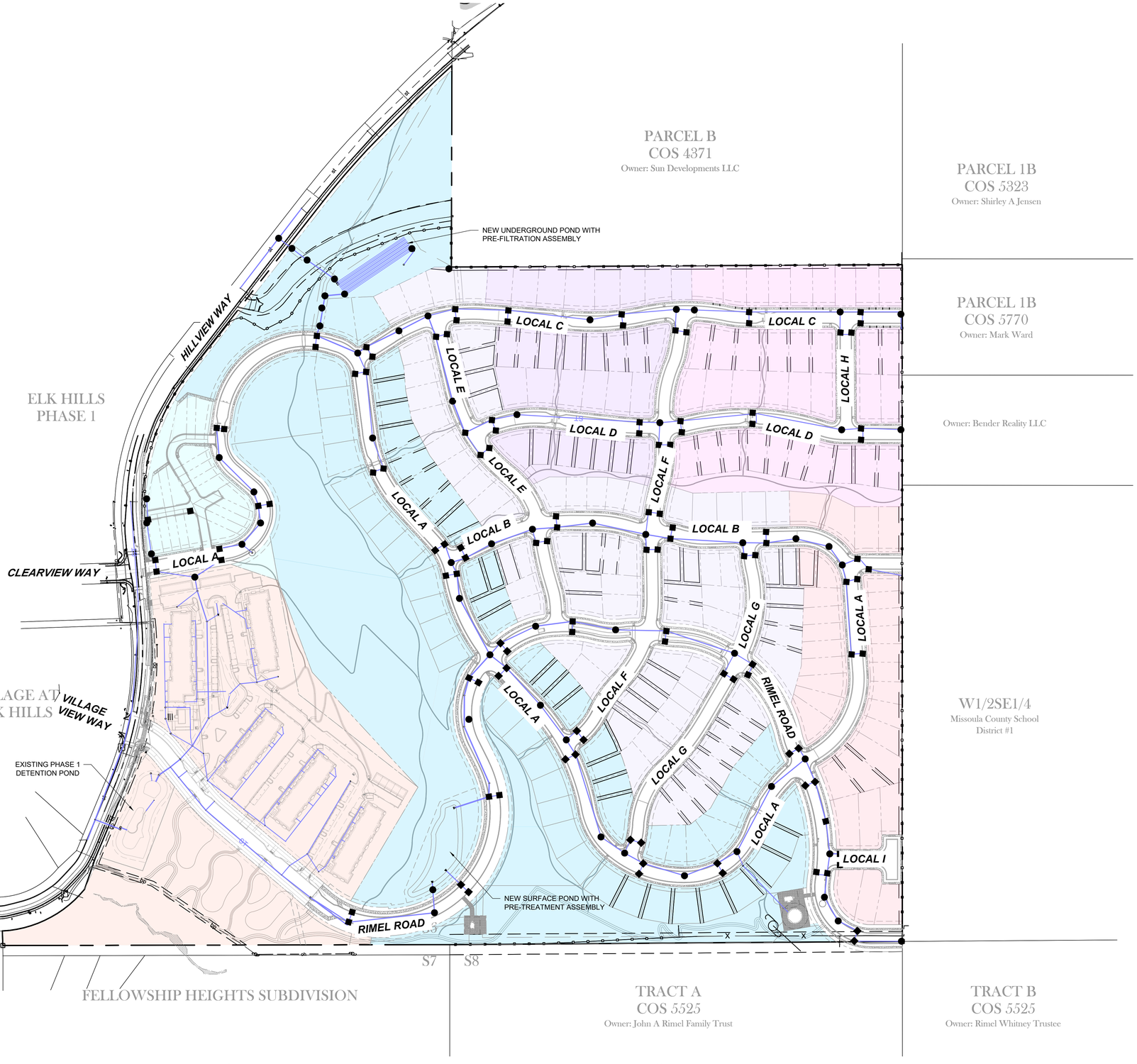

LEGEND

- PHASE 2
- PHASE 3
- PHASE 4
- PHASE 5
- PHASE 6
- PHASE 7
- CATCH BASIN
- STORM DRAIN MANHOLE

STORM SEWER REQUIREMENTS		
PHASE	QUANTITY	DESCRIPTION
2	1,067 LF	UNDERGROUND CONVEYANCE PIPING WITH CATCH BASIN & MANHOLE (SIZE VARIES)
3	5,883 LF 1 49,000CF 40,000CF 1	UNDERGROUND CONVEYANCE PIPING WITH CATCH BASIN & MANHOLE (SIZE VARIES) FOREBAY PER CITY OF MISSOULA REQUIREMENTS SURFACE LINED DETENTION POND UNDERGROUND STORM STORAGE CHAMBERS PACKAGED FILTRATION SYSTEM (CONTECH OR EQ.)
4	3247 LF	UNDERGROUND CONVEYANCE PIPING WITH CATCH BASIN & MANHOLE (SIZE VARIES)
5	596 LF	UNDERGROUND CONVEYANCE PIPING WITH CATCH BASIN & MANHOLE (SIZE VARIES)
6	1370 LF	UNDERGROUND CONVEYANCE PIPING WITH CATCH BASIN & MANHOLE (SIZE VARIES)
7	1465 LF	UNDERGROUND CONVEYANCE PIPING WITH CATCH BASIN & MANHOLE (SIZE VARIES)
NOTES: ALL STORM SEWER LINES ARE TO BE HDPE.		

STORM SEWER SYSTEM REQUIREMENTS PER PHASE

Phase 1:
The Multi-Family development has been designed to convey excess runoff from the Multi-Family to a lined detention pond located to the south side of Rimel Road and east of Hillview Way. Out fall from the detention pond will be to an existing stormwater collection and conveyance system that discharges into Moose Can Gully. The system has been designed to restrict flowrates for 2-year, 10-year and 100-year storms. This portion of the project is currently under construction.

Phase 2:
This phase contains 21 Townhouses. A stub out from the Multi-Family was provided to allow this portion of the subdivision to connect to and utilize the stormwater management pond constructed in Phase 1.

Phase 3:
Phase 3 will require construction of a new lined surface stormwater pond to be located to the east of the Multi-Family development. The pond will detain excess runoff from a large portion of the subdivision for Phase 3, 4 and 5. Discharge from the pond will be directed to the stormwater collection and conveyance piping that is being constructed with the Multi-Family. The new pond in Phase 3 will contain a forebay to filter runoff prior to being released back into the Rimel Road storm system.

The northern portion of the Phase 3 will require construction of an underground stormwater holding system. Prior to entering the underground tanks the stormwater will pass through a pre-fabricated filtration system from Contech or approved equal. Discharge from the system will be set to match the required design storm limitation from City of Missoula.

New roadways within Phase 3 (as well as stub out for future phases) will contain catch basins at a maximum spacing of 450', new storm sewer manholes, and conveyance piping that will vary in size based on hydraulic calculations.

Phase 4:
Phase 4 will connect into stub outs from Phase 3. New roadways within Phase 4 (as well as stub out for future phases) will contain catch basins at a maximum spacing of 450', new storm sewer manholes, and conveyance piping that will vary in size based on hydraulic calculations.

Phase 5:
Phase 5 will connect into stub outs from Phase 3 and Phase 4. New roadways within Phase 5 will contain catch basins at a maximum spacing of 450', new storm sewer manholes, and conveyance piping that will vary in size based on hydraulic calculations.

Phase 6:
Phase 6 will connect into stub outs from Phase 3 and Phase 4. New roadways within Phase 6 (as well as stub out for future Phase 7) will contain catch basins at a maximum spacing of 450', new storm sewer manholes, and conveyance piping that will vary in size based on hydraulic calculations.

Phase 7:
Phase 7 will connect into stub outs from Phase 6. New roadways within Phase 7 will contain catch basins at a maximum spacing of 450', new storm sewer manholes, and conveyance piping that will vary in size based on hydraulic calculations.

1 X200 OVERALL STORM DRAIN EXHIBIT

NORTH

0 75 150 300

SCALE: 1" = 150'

Cushing Terrell.
cushingterrell.com
800.757.9522

MISSOULA, MONTANA
WILDROOT

PRELIMINARY PLAT

05.10.2024
DRAWN BY | MASCIA
CHECKED BY |
REVISIONS

NOT FOR CONSTRUCTION - EXHIBIT

OVERALL STORM DRAIN EXHIBIT

X200

Cushing Terrell.

cushingterrell.com
800.757.9522

1 / X201 OVERALL UTILITY PLAN - STORM DRAIN

NORTH

0 75 150 300

SCALE: 1" = 150'

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MISSOULA, MONTANA
WILDROOT

NOT FOR CONSTRUCTION - EXHIBIT

PRELIMINARY PLAT

05.10.2024
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REVISIONS

OVERALL UTILITY
PLAN - STORM DRAIN

X201