

## **SPOT GRADE KEYNOTES**

FINISHED FLOOR ELEVATION

EXISTING GROUND ELEVATION

HIGH POINT ELEVATION

EDGE OF PAVEMENT ELEVATION

TOP OF WALL ELEVATION

BOTTOM OF WALL ELEVATION

BIO-INFILTRATION POND 1

# **GRADING & DRAINAGE NOTES**

- 2. EXCAVATION TO COMPLY WITH JULY 23, 2018 "GEOTECHNICAL ENGINEERING EVALUATION" BY STRATA.
- 3. CONTRACTOR SHALL HAVE A MINIMUM (4) TEMPORARY BENCHMARKS (TBMS) WITHIN THE BUILDING PAD AREA WHILE PERFORMING EXCAVATION AND EMBANKMENT. TBMS SHALL HAVE ELEVATIONS NOTED ON LATHE AND BE AVAILABLE FOR INDEPENDENT GRADE VERIFICATION.

### STORM NOTES

1. DRYWELL TYPE 1 PER COS STD PLAN B-102C.

- 6. STORM SEWER PIPES AND DRYWELLS SHALL BE SEPARATED AT LEAST 10 FEET HORIZONTALLY FROM DOMESTIC WATER MAINS. CROSSINGS OF WATER MAINS AND SEWER SYSTEMS SHALL HAVE A MINIMUM 18-INCH VERTICAL SEPARATION, ANY ANTICIPATED SEPARATION LESS THAN MINIMUM STANDARDS CONTAINED HEREIN, SHALL CONFORM TO THE CITY OF SPOKANE STANDARD DETAILS W-110, W-111, AND W-112 (EXISTING) OR W-113 (NEW).
- EXCAVATE, REPLACE, AND CONNECT ALL STORM SPOUTS/PIPES FROM THE EXISTING BUILDING INTO THE PROPOSED STORM SYSTEM, EXISTING LOCATIONS OF THE STORM SPOUTS ARE UNKNOWN. IT IS ASSUMED THE STORM AND SEWER LINES ARE SEPARATE. IF THEY ARE COMBINED, NOTIFY THE ENGINEER IMMEDIATELY.
- 8. MANHOLES HALL BE PER COS STD PLAN Z-101.

### **KEY NOTES**



PROVIDE DOWNSPOUT CONNECTION TO ROOF DRAIN LINES. SEE ARCHITECTURAL PLANS FOR DOWNSPOUT LOCATIONS AND COORDINATE WITH DOWNSPOUT CONTRACTOR. NO ABOVE-GRADE OFFSETS ALLOWED.

VERIFY STORM DRAIN INVERT BEFORE SETTING MANHOLE. AFTER SETTING THE MANHOLE, PLUG THE PIPE RUNNING TO THE SOUTH. THE PLUG SHALL BE WATER-TIGHT.

BOTTOM AREA: 615 SF BOTTOM EL: 2034.00' DRYWELL RIM: 2034.50'

4) BID ALTERNATE 2

5 PLUG THE PIPE OPENING RUNNING TO THE NORTH. THE PLUG SHALL BE WATER-TIGHT.

6 ADJUST EXISTING DRYWELL GRATE TO 2034.50'

- THE CONTRACTOR SHOULD TAKE PRECAUTIONS TO PROTECT THE INFILTRATION CAPACITY OF STORMWATER FACILITIES (E.G. LINE THE FACILITY WITH FILTER FABRIC, OVER-EXCAVATE UPON COMPLETION OF THE INFRASTRUCTURE, ETC.)

- 4. ALL SPOT ELEVATIONS ARE RELATIVE TO 2200'.

- THE CONTRACTOR SHOULD TAKE PRECAUTIONS TO PROTECT THE INFILTRATION CAPACITY OF STORMWATER FACILITIES (E.G. LINE THE FACILITY WITH FILTER FABRIC, OVER-EXCAVATE UPON COMPLETION OF THE INFRASTRUCTURE, ETC.)
- FOR CONSTRUCTION OF DRYWELLS, INSTALL FILTER FABRIC (AMOCO 4545 OR APPROVED EQUIVALENT) BETWEEN THE WASHED DRAIN ROCK AND THE NATIVE SOILS.
- DRYWELLS SHALL BE INSTALLED TO THE ELEVATIONS INDICATED ON THE PLANS.
  FINISHED TOP SOIL ADJACENT TO THE DRYWELL SHALL BE AT LEAST 2-INCHES BELOW
  THE DRYWELL RIM.
- IF, DURING FINAL INSPECTION, IT IS FOUND THAT THE CONSTRUCTED SWALE DOES NOT CONFORM TO THE ACCEPTED DESIGN, THE SYSTEM SHALL BE RECONSTRUCTED SO THAT IT DOES COMPLY.

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Mark Dailey ₽₽8у<sub>ЕСТ:</sub> 18515-04 COST ESTIMATING SET 05-13-2019 SCHEMATIC DESIGN SET 06-10-2019

DD COST ESTIMATING 08-23-2019 SET

DD 09-06-2019 COST ESTIMATING SET

CD GC/CM COST PRICING 12-09-2019 SFT REVISION # 09-05-2019

DD 100% SUBMISSION 09-13-2019

SHEET TITLE AND NO.

**GRADING & DRAINAGE** PLAN



CLEANOUT N: 273863.4870 SDC0 1 E: 2475035.5332 RIM 2034.85 IE 2034.00 (4" PVC NW)

3 C202

TIE INTO EXISTING MANHOLE N: 273676.7640 1 E: 2475119.6580 RIM 2030.60 IE 2026.70 (12" CPEP NW)