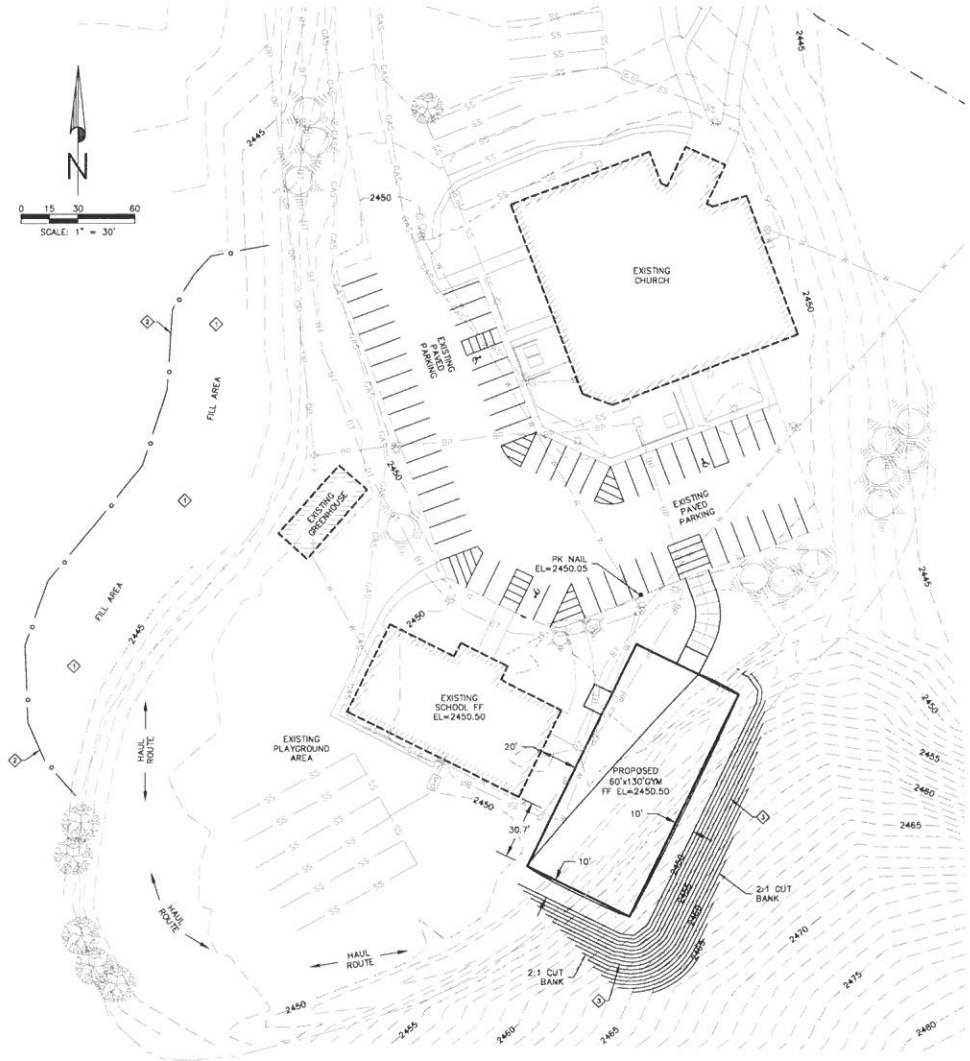
S.W. 1/4 OF THE N.W. 1/4 SEC 10, T22N., R43E., W.M.



LEGEND

- EXISTING SS MANHOLE
- EXISTING SIGNAGE
- PROPOSED SIGNAGE
- EXISTING CATCH BASIN
- EXISTING STORM DRAIN MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- 1970 EXISTING FIVE FOOT CONTOURS
- EXISTING ONE FOOT CONTOURS
- SILT FENCE LINE
- EXISTING FENCE
- EXISTING POWER POLE
- PROPOSED STORM DRAIN MANHOLE
- EXISTING LIGHT
- EXISTING SEWER CLEANOUT
- EXISTING TRANSFORMER
- EXISTING WATER METER
- EXISTING IRRIGATION BOX
- EXISTING PHONE BOX
- EXISTING FIBER OPTIC BOX
- EXISTING TREE

PROJECT INFORMATION

APPLICANT/OWNER: UPPER COLUMBIA MISSION
3715 S. GROVE ROAD
SPOKANE, WASHINGTON 99224

ZONING: LARGE TRACT AGRICULTURAL
ASSESSORS PARCEL NUMBERS: 32103.9023
ONSITE CONTACT PERSON: MARVIN GEE, PH: 509-891-2518
SOILS: NAFF SILT LOAM, 0% TO 8% SLOPES AND THATUNA-NAFF COMPLEX, 8% TO 15% SLOPES
EXISTING VEGETATION: GRASS, GRAVEL AND DRY LAND CROPS
WATER BODIES: NONE ON OR NEAR THE SITE
CRITICAL AREAS: SPOKANE AQUIFER RECHARGE AREA
SUMMARY OF ESC BMP'S USED: SILT FENCE & DRY LAND SEEDING

EARTHWORK NOTES

1. TOPSOIL CONTAINING VEGETATION AND ORGANICS SHALL BE REMOVED FROM THE PROPOSED FILL SITE PRIOR TO THE BEGINNING OF THE PLACEMENT OF ANY FILL MATERIAL.
2. FILL SHALL BE PLACED IN THE PLAYGROUND EXPANSION AREA WITH MAXIMUM LIFTS OF 18 INCHES AND COMPACTED BY WHEEL ROLLING.

GRADING QUANTITY

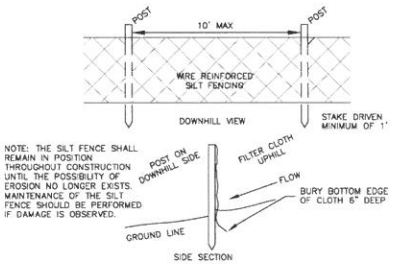
THE APPROXIMATE EXCAVATION QUANTITY IS 1,800 CUBIC YARDS.

KEYED CONSTRUCTION NOTES

1	CONSTRUCT FILL EMBANKMENT FOR AN EXTENDED PLAY AREA. SEED THE COMPLETED EMBANKMENT WITH A DRYLAND GRASS SEED MIX.
2	INSTALL SILT FENCE PER THE DETAIL ON THIS SHEET.
3	SEED THE COMPLETED CUT BANK WITH A DRYLAND GRASS SEED MIX TO STABILIZE THE SOIL OVER THE WINTER.

EROSION AND SEDIMENT CONTROL NOTES

1. The following construction sequence shall be followed in order to best minimize the potential for erosion and sedimentation control problems:
(a) Clear and grub sufficiently for installation of temporary ESC BMPs;
(b) Install temporary ESC BMPs, constructing sediment trapping BMPs as one of the first steps prior to grading;
(c) Clear, grub and rough grade for roads, temporary access points and utility locations;
(d) Stabilize roadway approaches and temporary access points with the appropriate construction entry BMP;
(e) Clear, grub and grade individual lots or groups of lots;
(f) Temporarily stabilize, through re-vegetation or other appropriate BMPS, lots or groups of lots in situations where substantial cut or fill slopes are a result of the site grading;
(g) Construct roads, buildings, permanent stormwater facilities (ie. Inlets, ponds, UIC facilities, etc.);
(h) Protect all permanent stormwater facilities utilizing the appropriate BMPs;
(i) Install permanent ESC controls, when applicable; and,
(j) Remove temporary ESC controls when:
– Permanent ESC controls, when applicable, have been completely installed;
– All land-disturbing activities that have the potential to cause erosion or sedimentation problems have ceased; and,
– Vegetation had been established in the areas noted as requiring vegetation on the accepted ESC plan on file with the local jurisdiction.
2. Inspect all roadways, at the end of each day, adjacent to the construction access route. If it is evident that sediment has been tracked off site and/or beyond the roadway approach, cleaning is required.
3. If sediment removal is necessary prior to street washing, it shall be removed by shoveling or pickup sweeping and transported to a controlled sediment disposal area.
4. If street washing is required to clean sediment tracked off site, once sediment has been removed, street wash wastewater shall be controlled by pumping back on-site or otherwise prevented from discharging into systems tributary to waters of the state.
5. Restore construction access route equal to or better than the pre-construction condition.
6. Retain the duff layer, native topsoil, and natural vegetation in an undisturbed state to the maximum extent practical.
7. Inspect sediment control BMPs weekly at a minimum, daily during a storm event, and after any discharge from the site (stormwater or non-stormwater). The inspection frequency may be reduced to once a month if the site is stabilized and inactive.
8. Control fugitive dust from construction activity in accordance with the state and/or local air quality control authorities with jurisdiction over the project area.
9. Stabilize exposed unworked soils (including stockpiles), whether at final grade or not, within 10 days during the regional dry season (July 1 through September 30) and within 5 days during the regional wet season (October 1 through June 30). Soils must be stabilized at the end of a shift before a holiday weekend if needed based on the weather forecast. This time limit may only be adjusted by a local jurisdiction with a "Qualified Local Program," if it can be demonstrated that the recent precipitation justifies a different standard and meets the requirements set fourth in the Construction Stormwater General Permit.
10. Protect inlets, dry-wells, catch basins and other stormwater management facilities from sediment, whether or not facilities are operable.
11. Keep roads adjacent to inlets clean.
12. Inspect inlets weekly at a minimum and daily during storm events.
13. Construct stormwater control facilities (detention/retention storage pond or swales) before grading begins. These facilities shall be operational before the construction of impervious site improvements.
14. Stockpile materials (such as topsoil) on site, keeping off of roadway and sidewalks.
15. Cover, contain and protect all chemicals, liquid products, petroleum product, and non-inert wastes present on site from vandalism (see Chapter 173-304 WAC for the definition of inert waste), use secondary containment for on-site fueling tanks.
16. Conduct maintenance and repair of heavy equipment and vehicles involving oil changes, hydraulic system repairs, solvent and de-greasing operations, fuel tank drain down and removal, and other activities that may result in discharge or spillage of pollutants to the ground or into stormwater runoff using spill prevention measures, such as drip pans. Clean all contaminated surfaces immediately following any discharge or spill incident. If raining over equipment or vehicle, perform emergency repairs on site using temporary plastic beneath the vehicle.
17. Conduct application of agricultural chemicals, including fertilizers and pesticides, in such a manner, and at application rates, that inhibits the loss of chemicals into stormwater runoff facilities. Amend manufacturer's recommended application rates and procedures to meet this requirement, if necessary.
18. Inspect on a regular basis (at a minimum weekly, and daily during/after a runoff producing storm event) and maintain all erosion and sediment control BMPs to ensure successful performance of the BMPs. Note that inlet protection devices shall be cleaned or removed and replace before six inches of sediment can accumulate.
19. Remove temporary ESC BMPs within 30 days after the temporary BMPs are no longer needed. Permanently stabilize areas that are disturbed during the removal process.



SILT FENCE DETAIL

NOT TO SCALE

VERTICAL CONTROL

THE VERTICAL CONTROL UTILIZED FOR THIS TOPOGRAPHIC SURVEY IS BASED ON A PK NAIL LOCATED IN ALONG THE SOUTHERLY EDGE OF THE PAVED PARKING BETWEEN THE CHURCH AND SCHOOL BUILDINGS WITH A NAVD88 ELEVATION OF 2450.05.

ESC AND GRADING PLAN

SCALE: 1" = 30'

CALL
BEFORE YOU DIG
1-800-424-5555
ONE CALL NUMBER
48 HR. NOTICE REQUIRED

NOTE: UTILITY LOCATIONS ARE FROM UTILITY OWNERS RECORDS AND FIELD LOCATING. THE CONTRACTOR IS RESPONSIBLE FOR THE ACTUAL LOCATION OF ALL UTILITIES IN THE FIELD.

UCAES GRADING PLOT SCALE: 1 = 1

JAMES N. RANDALL — STATE OF WASHINGTON — 21660 — REGISTERED PROFESSIONAL ENGINEER — 9/11/18

MO	DAY	YR	REV.	REVISION RECORD	SHT. OF

DRAWN BY: DAVID RANDALL — ORIGINAL DRAWING — 8 12 18 — CHECKED BY: DAVID RANDALL

ESC AND GRADING PLAN
UCA ELEMENTARY SCHOOL GYM
3025 E. SPANGLE-WAVERLY ROAD
SPANGLE, WASHINGTON

David N. Randall, Civil Engineer
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Fax: (509) 357-1812
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ENGINEERING RELEASE DATE SEPTEMBER 1, 2018 — PROJECT NUMBER - 09-11-17