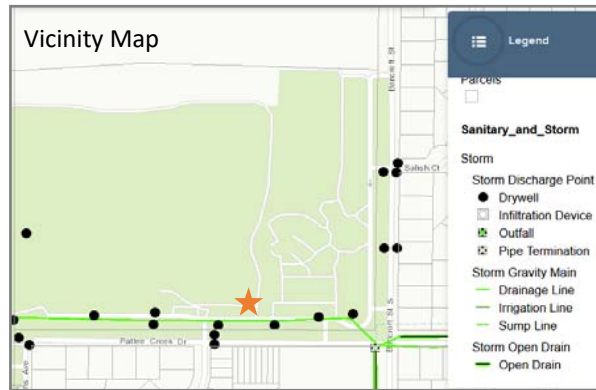


Detention Basin Improvements at Playfair Park, 3001 Bancroft Street, Missoula, MT 59801


Erosion Control Site Plan


Prepared by Tracy Campbell, (406)830-5455, CampbellTL@ci.missoula.mt.us

Basemap Source: <https://www.ci.missoula.mt.us/2682/Storm-Water-Map>




 Project Area ~6,708 sf

 Vegetated Buffer ~4 feet wide

 Track pad/FODS

 Inlet Protection

 Porta-potty (staked/secured)

 Concrete Washout

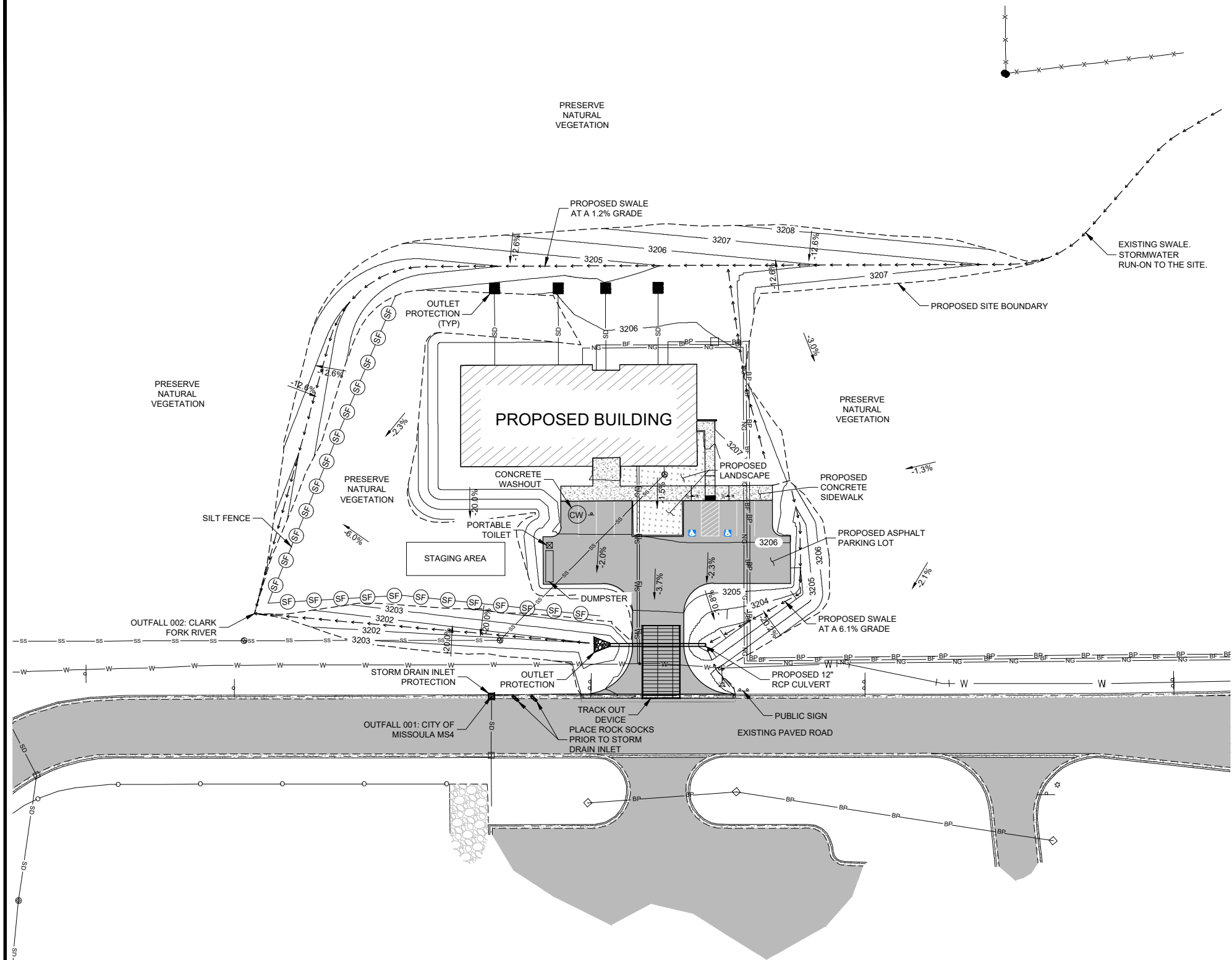
 Stockpiles and Construction Material Storage



Parking for construction vehicles

NOTES

- Locations of temporary stockpiles must be covered when not actively using own plastic sheeting in dry weather. Alternatively, in wet weather, or for longer storage, use seeding and mulching, soil blankets, or mats.
- Perform clearing and earth-moving activities only during dry weather; when necessary, use dust control measures to comply with air quality ordinances.
- Measures to ensure adequate erosion prevention and sediment control shall be installed prior to earth-moving activities and construction.
- Measures to ensure adequate erosion prevention and sediment control are required year-round.
- Stabilize all disturbed areas and maintain erosion prevention measures continuously between from April 30 through October 1.
- Maximize and protect areas to be undisturbed (including sensitive areas and buffer zones), using a vegetative buffer or 6-foot fence/barrier. Do not disturb riparian areas.
- Inlet protection shall be cleaned out after each rain event, or as needed, to function properly. Do not use sand bags, as these tear and can result in sand entering the storm drains.
- Store, handle, and dispose of construction materials and wastes properly, to prevent their contact with storm water. No materials shall be stored or stockpiled on the street.
- Stockpiles must be covered when left overnight; if not being worked within 14 days, they must be stabilized with seed, covered with mulch, soil blankets, or mats.
- Control and prevent the discharge of all potential pollutants, including pavement cutting wastes, paints, concrete, petroleum products, chemicals, wash water, or sediments, and non-storm water discharges to storm drains and watercourses.
- Avoid cleaning, fueling, or maintaining vehicles on site, except in a designated area where wash water is contained and treated. Limit and time applications of pesticides and fertilizers to prevent polluted runoff.
- Limit construction access routes to stabilized, designated access points.
- Avoid tracking dirt or other materials off site; clean off-site paved areas and sidewalks using dry sweeping methods.
- The areas delineated on the plans for parking, grubbing, storage, etc., shall not be enlarged or "run over."
- Erosion prevention and sediment control materials shall be stored on site.
- Tree protection shall be in place before any demolition, grading, excavating, or grubbing is started.

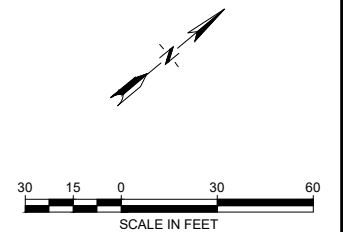


GENERAL NOTES

1. CONTRACTOR TO ENSURE THAT POLLUTION CONTROL PRACTICES MINIMIZE AND CONTROL POTENTIAL POLLUTANTS IN STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY.
2. STORMWATER FROM SITE DISCHARGES TO THE CITY OF MISSOULA MS4. CONTRACTOR TO COMPLY WITH CITY OF MISSOULA REGULATIONS.
3. A CERTIFIED SWPPP ADMINISTRATOR MUST BE IDENTIFIED IN THE NOTICE OF INTENT AND SWPPP. THE SWPPP ADMINISTRATOR MUST HAVE KNOWLEDGE OF THE PRINCIPLES AND PRACTICES OF EROSION AND SEDIMENT CONTROLS AND POLLUTION PREVENTION PRACTICES AND POSSESS THE SKILLS NECESSARY TO ASSESS SITE CONDITIONS AND DETERMINE THE EFFECTIVENESS OF SELECTED BMPs.
4. THE SWPPP ADMINISTRATOR IS RESPONSIBLE TO DEVELOP, IMPLEMENT, MAINTAIN, REVISE AND UPDATE THE SWPPP.
5. THE SWPPP ADMINISTRATOR MUST MAKE CORRECTIVE ACTIONS TO:
 - 5.1. REPAIR, MODIFY, OR REPLACE ANY BMP USED AT THE SITE;
 - 5.2. INSTALL NEW OR ADDITIONAL BMPs;
 - 5.3. IMMEDIATELY CLEANUP, DISPOSE OF, AND REPORT SPILLS, RELEASES, AND OTHER DEPOSITS; AND
 - 5.4. REMEDY A PERMIT VIOLATION OR NONCOMPLIANCE.
6. ANY SERIOUS INCIDENT OF NONCOMPLIANCE AFFECTING THE ENVIRONMENT MUST BE ORALLY REPORTED TO THE MONTANA DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ) WITHIN 24 HOURS OF BECOMING AWARE OF THE INCIDENT.
7. CERTIFIED SWPPP ADMINISTRATOR MUST PERFORM ROUTINE SWPPP INSPECTIONS ON A WEEKLY OR BI-WEEKLY FREQUENCY IN ACCORDANCE WITH THE GENERAL PERMIT FOR STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITY.
8. BMPs SHALL BE INSTALLED IN ACCORDANCE WITH MONTANA DEPARTMENT OF TRANSPORTATION (MDT) EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES MANUAL. BMPs MUST BE MAINTAINED IN EFFECTIVE OPERATING CONDITION.
9. BMPs THAT ARE NOT IN EFFECTIVE OPERATING CONDITION MUST BE MAINTENANCE BY THE CLOSE OF THE NEXT BUSINESS DAY. IF TIMEFRAME IS INFEASIBLE THEN PROVIDE A DOCUMENTED RATIONALE AND SCHEDULE OF EVENTS WITH A MAINTENANCE TIMEFRAME MAKING BMPs OPERATIONAL WITHIN SEVEN CALENDAR DAYS.
10. CONTRACTOR SHALL DESIGNATE A LOCATION FOR THE STAGING AREA TO STORE EQUIPMENT, MATERIALS, AND SOIL STOCKPILES. HAZARDOUS MATERIALS SHALL BE PLACED IN A SECONDARY CONTAINMENT SUCH AS A KIDDIE POOL TO PREVENT CONTAMINATION OF STORMWATER.
11. DUMPSTER AND PORTABLE TOILETS MUST BE PLACED IN CONVENIENT LOCATIONS TO ENSURE THEY ARE USED. PORTABLE TOILETS SHALL BE ANCHORED DOWN.
12. CONCRETE WASHOUT MUST BE UTILIZED ON SITE WHEN CONCRETE IS BEING POURED.
13. CONTRACTOR TO INSTALL TRACK OUT DEVICE AT ACCESS OF SITE TO PREVENT SEDIMENT FROM TRACKING ONTO EXISTING PAVED ROAD. REMOVE SEDIMENT THAT IS TRACKED ONTO THE EXISTING PAVED ROAD.
14. DEWATERING ACTIVITIES ARE NOT ANTICIPATED. IF DISCHARGES OF GROUND WATER, SURFACE WATER AND/OR ACCUMULATED STORMWATER DUE TO DEWATERING PRACTICES ARE REQUIRED AS PART OF THE PROJECT THEN CONTRACTOR MUST OBTAIN AUTHORIZATION TO DISCHARGE UNDER THE GENERAL PERMIT FOR CONSTRUCTION DEWATERING.
15. NOTICE OF TERMINATION CAN BE SUBMITTED ONCE THE SITE HAS REACHED FINAL STABILIZATION. A SITE HAS REACHED FINAL STABILIZATION WHEN ALL SOIL-DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED, AND A VEGETATIVE COVER HAS BEEN ESTABLISHED WITH A DENSITY OF AT LEAST 70% OF THE PRE-DISTURBANCE LEVELS, OR EQUIVALENT PERMANENT, PHYSICAL EROSION REDUCTION METHODS HAVE BEEN EMPLOYED.

LEGEND

- EXISTING DELINEATOR POST
- EXISTING JUNCTION BOX
- EXISTING LIGHT POLE
- EXISTING POST
- EXISTING SIGN POST
- EXISTING GUY ANCHOR
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING MANHOLE - STORM SEWER
- EXISTING SUMP
- EXISTING MANHOLE - SANITARY SEWER
- EXISTING POWER POLE
- EXISTING TELEPHONE VAULT
- EXISTING TELEPHONE PEDESTAL
- EXISTING PARCEL BOUNDARY
- EXISTING CONCRETE
- EXISTING CURB
- EXISTING ASPHALT ROAD
- EXISTING GRAVEL ROAD
- EXISTING BARBED WIRE FENCE
- EXISTING FENCE
- EXISTING ROAD CENTERLINE
- EXISTING SANITARY SEWER
- EXISTING BURIED FIBER
- EXISTING BURIED GAS
- EXISTING OVERHEAD POWER
- EXISTING BURIED POWER
- EXISTING WATER MAIN
- EXISTING SEWER FORCE MAIN



REVISIONS			
NO.	DESCRIPTION	BY	DATE

VERIFY SCALE!
THESE PRINTS MAY BE REDUCED.
LINE BELOW MEASURES ONE INCH
ON ORIGINAL DRAWING.
MODIFY SCALE ACCORDINGLY!

Morrison Maierle
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DRAWN BY: DDG	MISSOULA	PROPOSED COMMERCIAL BUILDING	MONTANA	PROJECT NUMBER 1657-00.000
DSGN BY: DDG				SHEET NUMBER 1
APPR BY: TAH	SWPPP SITE MAP		DRAWING NUMBER SWPPP	DATE: 4/6/2021
DATE: 4/6/2021				DATE: 4/7/2021