

EROSION AND SEDIMENT CONTROL NOTES

- APPROVAL OF THE EROSION CONTROL ELEMENT DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT SITE OR DRAINAGE DESIGN.
- IMPLEMENTATION, CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING OF ALL EROSION CONTROL MEASURES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND PERMANENT STABILIZATION IS ESTABLISHED.
- THE EROSION CONTROL FACILITIES ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS.
- ALL EROSION CONTROL FACILITIES SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
- SUFFICIENT OIL AND GREASE ABSORBING MATERIALS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
- DURING INACTIVE PERIODS ON THE SITE, THE CONTRACTOR MUST INSPECT AND MAINTAIN EROSION CONTROL FACILITIES ONCE A MONTH OR WITHIN 48 HOURS FOLLOWING A STORM.
- SEED, MULCH, AND FERTILIZE ALL DISTURBED GROUND NOT RECEIVING HARD SURFACE AT THE EARLIEST POSSIBLE TIME. USE SEED MIXES AND RATES TO MATCH EXISTING PLANTING.
- EROSION AND DUST CONTROL MEASURES MUST BE USED DURING CONSTRUCTION TO REDUCE OR ELIMINATE BLOWING DUST, EXCESSIVE RUNOFF, AND SOIL EROSION ACROSS PROPERTY LINES AND INTO STREETS AND RIGHT-OF-WAY, AND TO ELIMINATE TRACKING SOIL AND MUD ONTO STREETS FROM CONSTRUCTION EQUIPMENT AND VEHICLES. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
- MATERIAL TRACKED ONTO THE ROADWAY CANNOT BE WASHED INTO THE STORM SYSTEM.
- STREETS SHALL BE SWEEPED PRIOR TO A STORM EVENT OR AT THE REQUEST OF THE ENGINEER OR THE CITY.
- ALL DENUDE AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE, MUST BE STABILIZED TEMPORARILY WITH THE USE OF FAST-GERMINATING ANNUAL GRASS / GRAIN VARIETIES, STRAW / HAY MULCH, WOOD CELLULOSE FIBERS, TACKIFIERS, NETTING OR BLANKETS AS SHOWN ON SITE MAP.
- DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY STABILIZED AS SHOWN ON THE PLANS. THESE AREAS SHALL BE SEEDED, SODED, AND / OR VEGETATED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND / OR LANDSCAPE PLAN.
- ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM DRAINAGE SYSTEMS IN CONJUNCTION WITH STABILIZATION OF THE SITE.
- ON-SITE & OFF-SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
- DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES TO PREVENT EROSION AND POLLUTANT DISCHARGE.
- GENERAL CONTRACTOR IS TO DESIGNATE / IDENTIFY AREAS ON THE SITE MAPS, INSIDE OF THE LIMITS OF DISTURBANCE, FOR WASTE DISPOSAL AND DELIVERY AND MATERIALS STORAGE.

BMP 1-SEQUENCE OF WORK

NOTE: UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS: TRAILER, PARKING, LAY DOWN, PORTABLE SANITARY UNIT, CONCRETE WASHOUT, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC., IMMEDIATELY DENOTE THEM ON THE SITE MAPS AND NOTE ANY CHANGES IN LOCATION AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS.

- INSTALL BMP'S
- BEGIN DEMOLITION OF THE SITE (STOCKPILE ALL TOPSOIL FOR LATER USE).
- INSTALL ROCK DITCH / ARMORED DITCH.
- MASS GRADING.
- INSTALLATION OF SEWER LINE.
- TEMPORARY STABILIZATION OF DISTURBED AREAS WHERE WORK HAS CEASED FOR 14 DAYS OR MORE.
- PERMANENT STABILIZATION OVER ALL DISTURBED AREAS.
- REMOVE ALL REMAINING BMP'S.

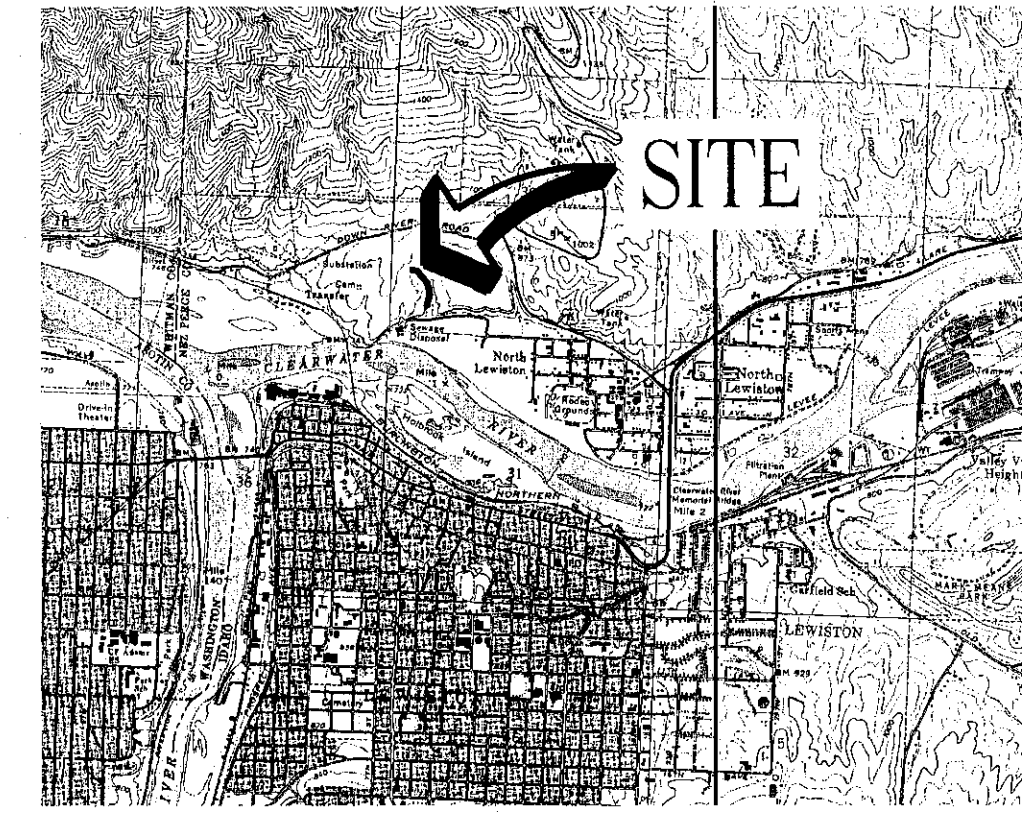
EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES

From Stormwater Catalog of Stormwater BMPs for Idaho Cities and Counties

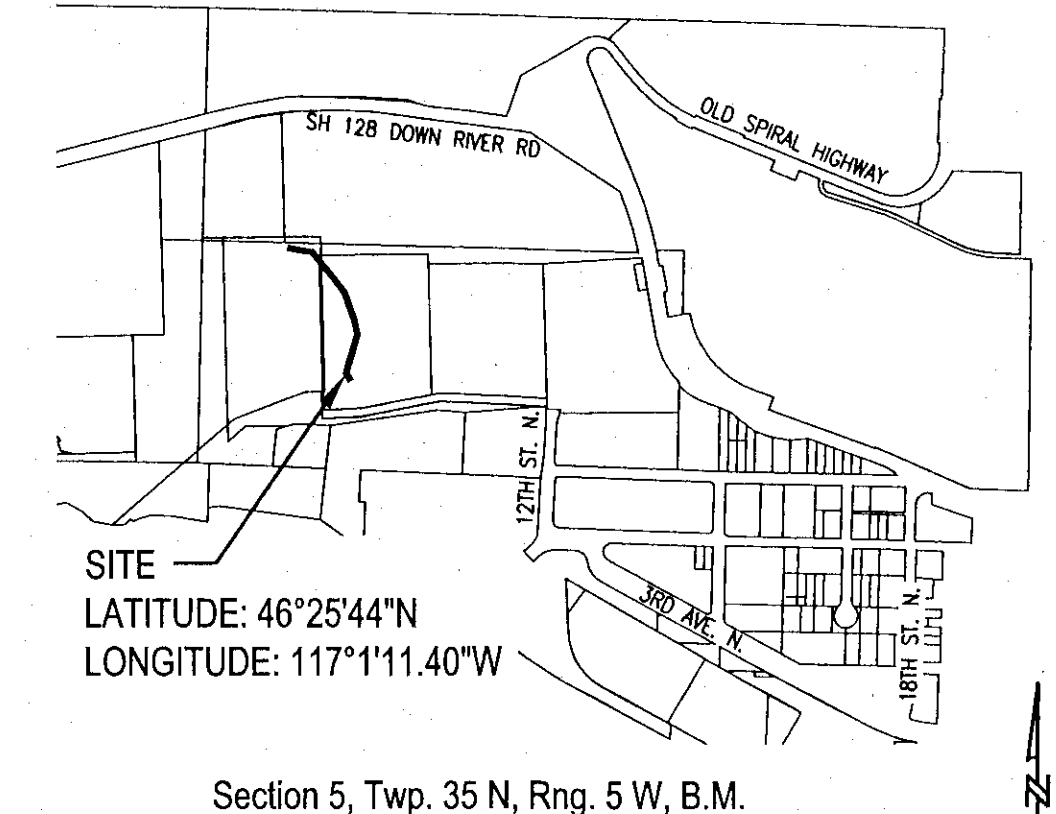
- | | |
|--------|-------------------------------------|
| BMP 1 | TIMING OF CONSTRUCTION |
| BMP 2 | STAGING AREAS |
| BMP 3 | PRESERVATION OF EXISTING VEGETATION |
| BMP 4 | CLEARING LIMITS |
| BMP 7 | DUST CONTROL |
| BMP 9 | STOCKPILE MANAGEMENT |
| BMP 10 | SPILL PREVENTION AND CONTROL |
| BMP 12 | WASTE MANAGEMENT |
| BMP 14 | SANITARY/SEPTIC WASTE MANAGEMENT |
| BMP 21 | SEEDING |

BMP MAINTENANCE NOTES

- INLET PROTECTION DEVICES SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.
- ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEEDED AS NEEDED.
- THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSINGS OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.
- PRIOR TO LEAVING THE SITE, ALL VEHICLES SHALL BE CLEANED OF DEBRIS. ANY DEBRIS AND / OR SEDIMENT REACHING THE PUBLIC STREET SHALL BE CLEANED IMMEDIATELY BY A METHOD OTHER THAN FLUSHING.



USGS QUADRANGLE MAP
CLARKSTON, WASHINGTON
LEWISTON ORCHARDS NORTH, IDAHO
Not to Scale



Section 5, Twp. 35 N, Rng. 5 W, B.M.
SITE LOCATION MAP
Not to Scale

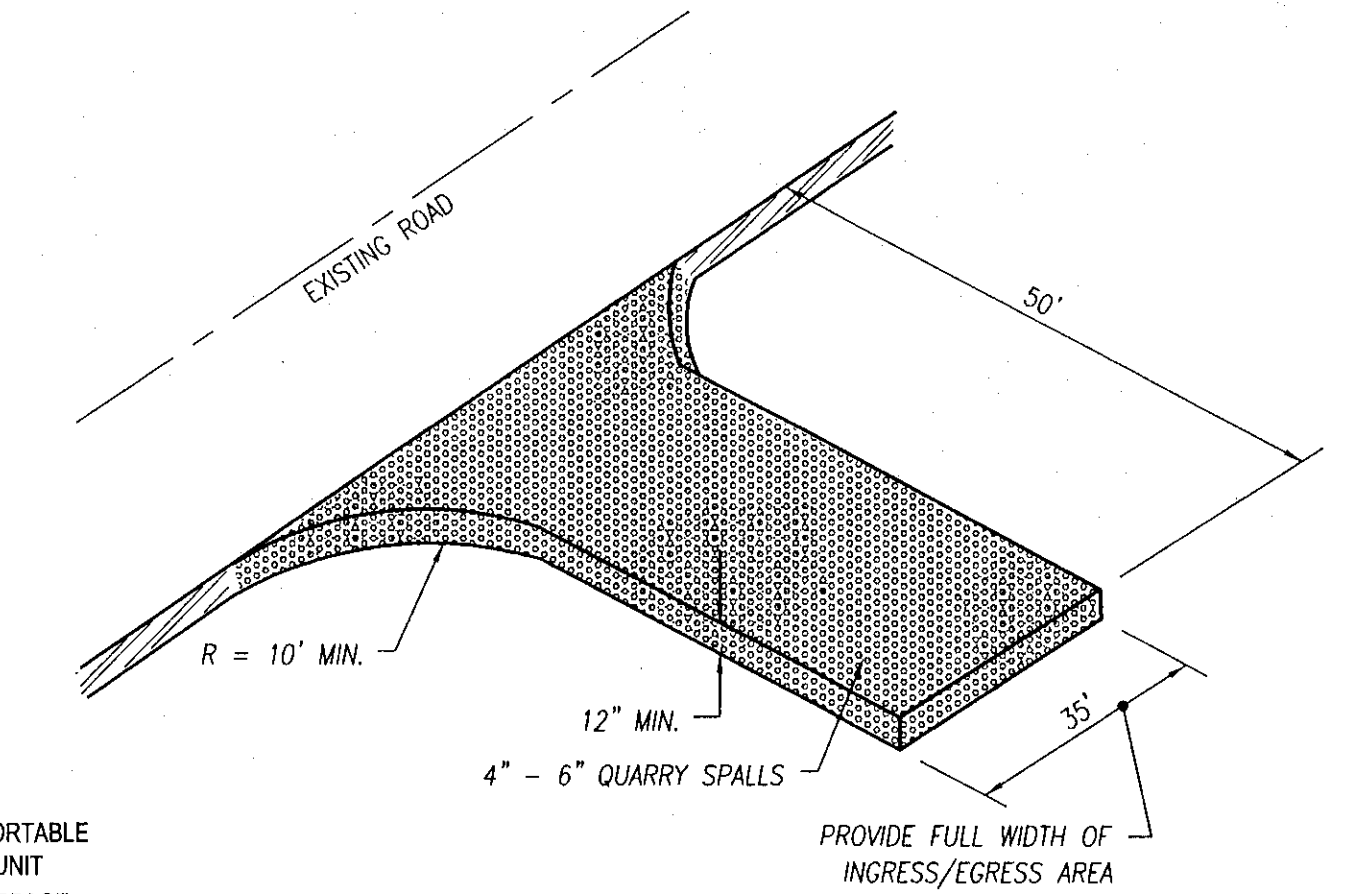
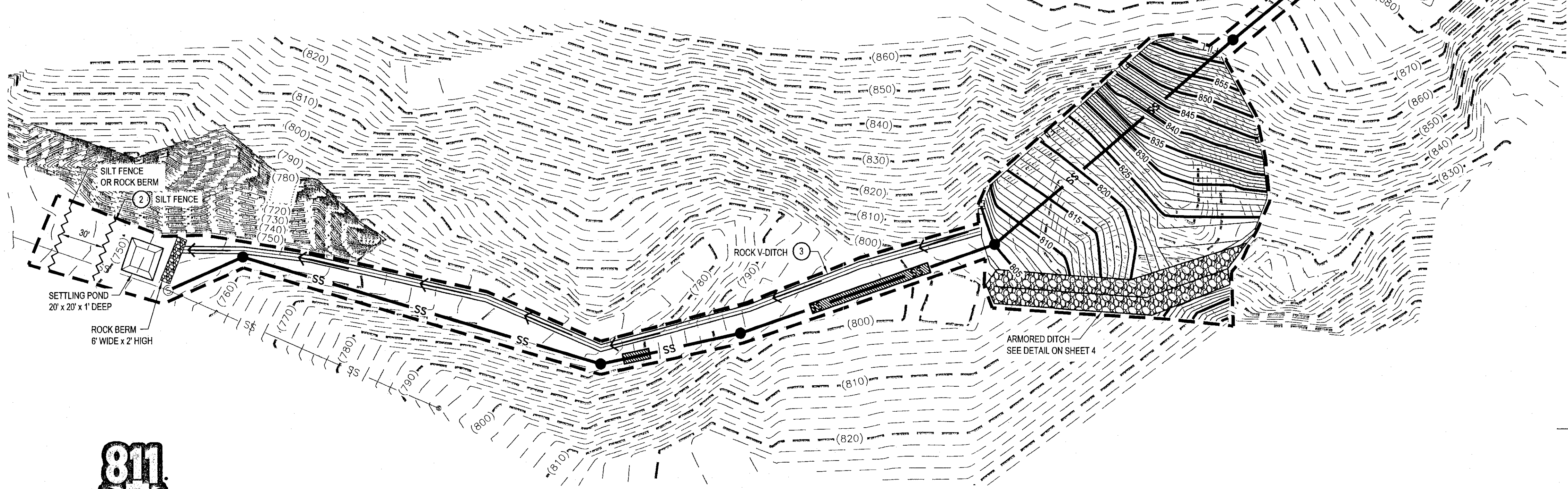
ACREAGE SUMMARY	
SITE AREA	27.5 AC ±
DISTURBED AREA	0.96 AC ±
IMPERVIOUS AREA (BUILDING)	0.00 AC ±
IMPERVIOUS AREA (EXCLUDING BUILDING AREA)	0.00 AC ±
TOTAL IMPERVIOUS AREA AT COMPLETION	0.00 AC ±
PERVIOUS / SEEDED AREA AT COMPLETION	0.96 AC ±

STORMWATER OUTFLOW	
INFILTRATES INTO GROUNDWATER STRATUM OR RUNOFF THROUGH EXISTING DRAINAGEWAYS	
CLEARWATER RIVER - 800 FEET SOUTH	

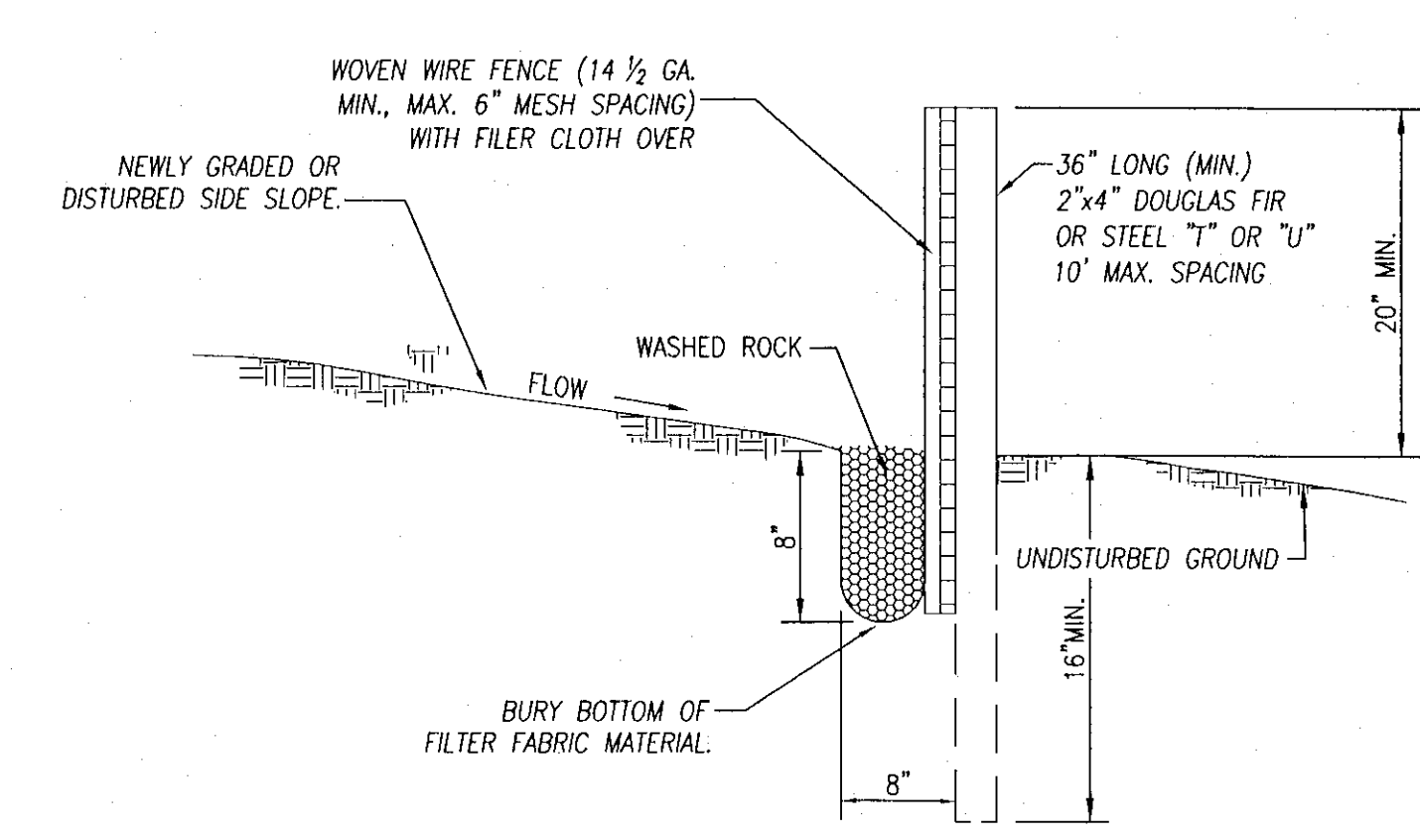
BENCHMARK DATUM
TBM SSMH #4 PER RECORD DRAWINGS
BY RIEDESEL & ASSOCIATES
ELEV. = 731.36

LEGEND

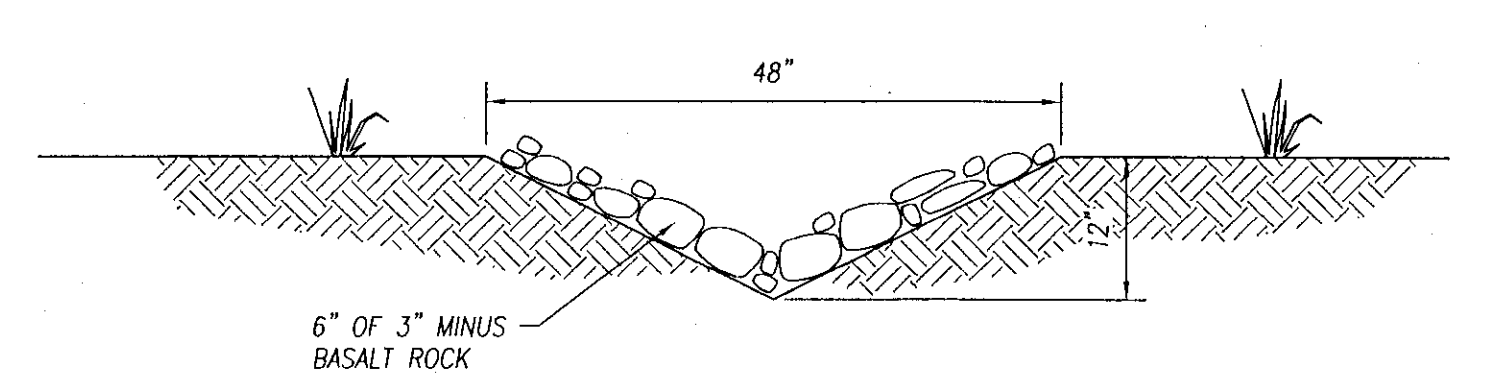
- LIMITS OF DISTURBANCE
- ~ SILT FENCE
- █ ROCK BERM
- PRE & POST-DEVELOPED STORM WATER FLOW DIRECTION



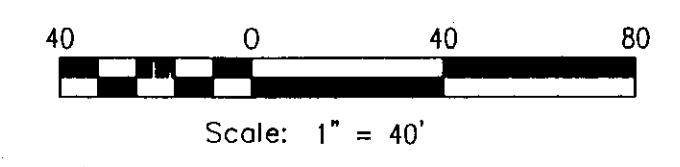
STABILIZED CONSTRUCTION ENTRANCE
NTS



SILT FENCE
NTS



ROCK LINED V-DITCH
NTS



CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

NO.	DATE	DESCRIPTION

TEMP. EROSION & SEDIMENT CONTROL
HARRY WALL SEWER MAIN EXTENSION
PORT OF LEWISTON, 1626 6TH AVE. N
LEWISTON, ID 83501

KELTIC ENGINEERING, INC.
315 Adams Lane • Lewiston, Idaho 83501 • (208) 743-2135 • (208) 743-2136 fax
9425 North Nevada Street, Ste 204 • Spokane, WA 99218 • (509) 464-3000 • (509) 464-3005 fax
• Development • Planning • Design • Construction Management

PROFESSIONAL ENGINEER
REGISTERED
6064
10/16/14
STATE OF IDAHO
ERIC HASENBERG

DRAWN BY:	JDM	CHECKED BY:	EFH
DESIGNED BY:	EFH	DATE:	10/15/14
LAST REV.:	10/15/14	PROJECT NO.:	14-1302
SHEET NO.:	2	OF 5	