GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL NOTIFY THE CITY OF SPOKANE PUBLIC WORKS INSPECTOR AT LEAST 48 HOURS PRIOR TO THE START OF ANY EARTH DISTURBING ACTIVITY, OR CONSTRUCTION ON ANY AND ALL SEWER AND WATER IMPROVEMENTS.
2. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE CITY OF SPOKANE AND ALL UTILITY COMPANIES INVOLVED WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION AND TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION AND WITH A MINIMUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE.
3. THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE APPROVED PLANS, ONE (1) COPY OF THE APPROPRIATE STANDARDS AND SPECIFICATIONS, AND A COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB ON-SITE AT ALL TIMES.
4. IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED BY THE CONTRACTOR, HIS SUBCONTRACTORS, OR OTHER AFFECTED PARTIES, WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY.
5. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN IN ACCORDANCE WITH M.U.T.C.D. TO THE APPROPRIATE RIGHT-OF-WAY AUTHORITY (CITY, COUNTY, OR STATE) FOR APPROVAL PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN, OR AFFECTING, THE RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY THE CONSTRUCTION ACTIVITIES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING AS-BUILT INFORMATION ON A SET OF RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE, AND MADE AVAILABLE TO THE CITY OF SPOKANE PUBLIC WORKS INSPECTOR AT ALL TIMES.
8. ALL STRUCTURAL EROSION CONTROL MEASURES SHALL BE INSTALLED, AT THE LIMITS OF CONSTRUCTION, PRIOR TO ANY OTHER GROUND-DISTURBING ACTIVITY. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE CONTRACTOR, UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS ARE STABILIZED WITH HARD SURFACE OR LANDSCAPING.
9. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE JURISDICTION OF SPOKANE COUNTY.
10. ALL OPERATIONS CONDUCTED ON THE PREMISES, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTHMOVING EQUIPMENT, CONSTRUCTION EQUIPMENT AND ANY OTHER ASSOCIATED EQUIPMENT SHALL GENERALLY BE LIMITED TO THE PERIOD BETWEEN 7:00 A.M. AND 10:00 P.M. WEEKDAYS, 9:00AM AND 10:00PM WEEKENDS, UNLESS OTHERWISE APPROVED BY THE COUNTY.
11. NO REVISIONS SHALL BE MADE TO THESE PLANS WITHOUT THE APPROVAL OF THE CITY ENGINEER AND NOTIFICATION OF THE ENGINEER OF RECORD.
12. STATIONING AND OFFSET IS BASED ON STATIONING FOR THE REFERENCED STREET ALIGNMENT.
13. EXISTING UTILITIES CONFLICTING WITH PROPOSED IMPROVEMENTS SHALL BE RELOCATED AS NEED PRIOR TO CONSTRUCTION. COORDINATE WITH APPLICABLE UTILITY COMPANY.
14. RESTRAINTS SHALL BE INSTALLED ON ALL PRESSURE PIPELINES IN ACCORDANCE WITH CITY OF SPOKANE STANDARDS. REFER TO RESTRAINED JOINT TABLE ON THESE PLANS.
15. INSTALL TREE PROTECTION AT THE WEST EDGE OF THIS PROPERTY TO PROTECT ALL EXISTING TREES IN THE PUBLIC RIGHT OF WAY ALONG MARSHALL ROAD PER CITY OF SPOKANE TREE PROTECTION SPECIFICATIONS AND DETAIL PRIOR TO ANY MORE EXCAVATION WORK FOR THE WALL ALONG THIS AREA. FENCING TO REMAIN INTACT THROUGHOUT ALL PHASES OF DEMOLITION AND CONSTRUCTION.
16. THE GENERAL CONTRACTOR IS RESPONSIBLE TO ENSURE THE ABOVE REQUIREMENTS ARE MET. THE CITY MAY SEEK RESTITUTION AT TREBLE THE APPRAISED TREE VALUE FOR DAMAGES TO ANY TREES IN THE PUBLIC RIGHT OF WAY DUE TO CONSTRUCTION ACTIVITIES/EQUIPMENT AND FOR ANY RIGHT OF WAY TREES THAT ARE REMOVED WITHOUT UF PERMISSION AND/OR THE PROPER PERMITS.

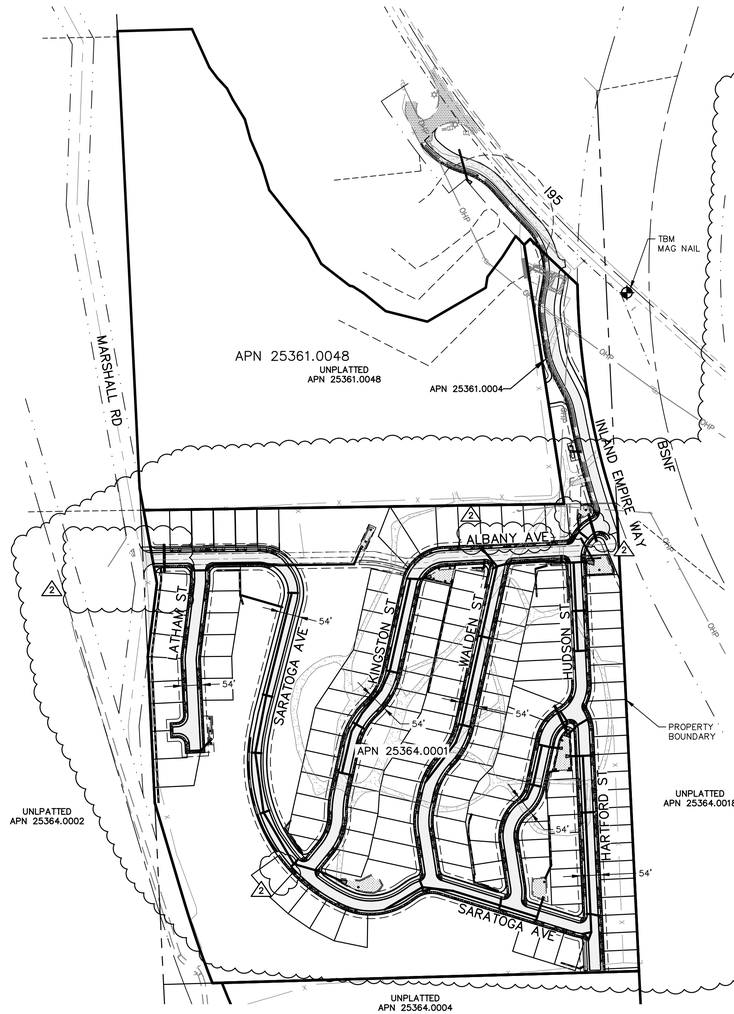
STREET & STORM DRAINAGE NOTES

1. REFER TO CONSTRUCTION NOTES AND DETAILS SHOWN ON DETAIL SHEET.
2. REFER TO LANDSCAPE DOCUMENTS FOR ADDITIONAL INFORMATION REGARDING PLANTINGS, IRRIGATION SYSTEM, SITE FURNITURE, LANDSCAPE BERMS, STEPS, AND LANDSCAPE WALLS.
3. REFER TO ARCHITECTURAL DOCUMENTS FOR ADDITIONAL INFORMATION REGARDING ANY STEPS IN FINISH FLOOR, BASEMENT ELEVATION, AND EXTERIOR DOOR LOCATIONS. COORDINATE ARCHITECTURAL ELEVATIONS WITH SITE GRADING.
4. MAINTAIN AT LEAST 3 FEET OF COVER OVER STORM DRAIN PIPES, UNLESS DUCTILE IRON. FOR DUCTILE IRON MAINTAIN AT LEAST 1 FOOT OF COVER.
5. SPOT ELEVATIONS REPRESENT FINISH SURFACE GRADES.
6. LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND AND OVERHEAD UTILITIES AND STRUCTURES. CONTRACTOR TO PERFORM NECESSARY FIELD VERIFICATION, INCLUDING SUBSURFACE EXPLORATION, FOR ALL EXISTING CONDITIONS TO BE INCLUDED IN CONTRACTOR BID. ANY CONFLICTING UTILITIES SHALL BE RELOCATED PRIOR TO CONSTRUCTION OF PROPOSED IMPROVEMENTS.
7. ADJUST ALL EXISTING UTILITY COVERS TO FINISHED GRADE AS NECESSARY.
8. ALL MATERIALS, WORKMANSHIP, TESTING AND CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE WASHINGTON STATE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION, THE CITY OF SPOKANE STANDARDS, AND THE CITY OF SPOKANE SPECIAL PROVISIONS FOR PRIVATE CONTRACTS.
9. ALL APPROVALS AND PERMITS REQUIRED BY THE CITY OF SPOKANE SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. AN OBSTRUCTION PERMIT IS REQUIRED FOR ALL WORK WITHIN THE CITY RIGHT-OF-WAY. IF APPLICABLE, A TRAFFIC CONTROL PLAN, (INCLUDING PEDESTRIAN TRAFFIC CONTROL FOR SIDEWALK CLOSURES) WILL BE REQUIRED WITH THE OBSTRUCTION PERMIT APPLICATION.
10. THE CONTRACTOR SHALL PLACE MARKING TAPE IN THE EXCAVATION TRENCH AT MID-DEPTH LOCATION FOR ALL UNDERGROUND SIDE SERVICE INSTALLATIONS FOR THE PURPOSE OF ALERTING ANY FUTURE EXCAVATION IN THE SPECIFIC AREA.
11. NO REVISIONS SHALL BE MADE TO THE PLANS WITHOUT APPROVAL FROM THE CITY OF SPOKANE AND THE DESIGN ENGINEER OF RECORD.
12. STORMWATER FACILITIES, INCLUDING DRYWELLS, CB'S, PIPES, AND INFILTRATION GALLERIES, MUST BE CONSTRUCTED UNDER SUPERVISION OF THE WASTEWATER MANAGEMENT DIVISION. STORMWATER TREATMENT FACILITIES (208 SWALES) SHALL BE INSPECTED PRIOR TO PLACEMENT OF TOPSOIL, PLANTINGS, OR GRASS. THE CONTRACTOR SHALL CONTACT THE WASTEWATER MAINTENANCE DIVISION OFFICE AT (509) 625-7905 OR (509) 625-7912 IN ORDER TO ARRANGE A MUTUALLY AGREEABLE INSPECTION SCHEDULE.
13. ALL SIDEWALKS, CURBS, AND DRIVEWAY APPROACHES ADJACENT TO THE PROPERTY WILL BE REVIEWED AT THE END OF THE PROJECT WHEN A CERTIFICATE OF OCCUPANCY IS REQUESTED. IF ANY ARE FOUND TO BE BROKEN, HEAVED, SUNKEN, OR MISSING, THEY MUST BE REPAIRED/REPLACED WHETHER THE DAMAGE WAS EXISTING OR CAUSED BY CONSTRUCTION. IF YOU WOULD LIKE A SIDEWALK INSPECTION PRIOR TO REQUESTING OCCUPANCY, PLEASE CONTACT THE CITY OF SPOKANE AT (509) 625-6300 TO ARRANGE A SITE VISIT.
14. PROPERTY LINES OF SUBJECT PROPERTY HAVE BEEN VERIFIED BY A BOUNDARY SURVEY
15. CONTRACTOR TO REMOVE AND LEGALLY DISPOSE ALL EXISTING TREES THAT CONFLICT WITH PROPOSED IMPROVEMENTS.
16. PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND STRUCTURES.
17. REFER TO TABLE 6-1 IN THE SPOKANE REGIONAL STORMWATER MANUAL FOR TREATMENT SOIL CRITERIA.
19. ALL PAVEMENT CUTS MUST CONFORM TO THE SPOKANE REGIONAL PAVEMENT CUT POLICY.
20. SEE CITY OF SPOKANE STANDARD PLAN NO. A-5 ON SHEET 20 FOR CITY STANDARDS ON WATER/SEWER CROSSINGS
21. CITY OF SPOKANE HYDRANT PERMIT PROGRAM REQUIRES AN RPBA AND FLOW METER ASSEMBLY FOR ALL FIRE HYDRANT WATER USAGE IF NEEDED FOR CONSTRUCTION PHASE OF THE PROJECT (E.G. DUST CONTROL, ETC.). THIS HYDRANT PROGRAM REQUIRES A PERMIT FEE, CONSUMPTION BILLING, AND DEPOSIT FOR THE RPBA & METER ASSEMBLY. PLEASE CALL 311 OR CITY WATER DEPT. AT 509-625-7800 FOR MORE INFO.

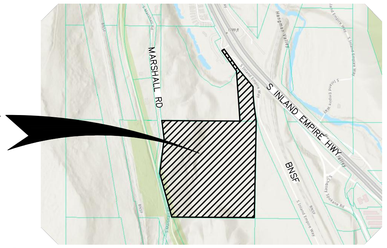
STREET AND DRAINAGE IMPROVEMENTS

LATAH GLEN RESIDENTIAL COMMUNITY

SECTION 36, TOWNSHIP 25 NORTH, RANGE 42 EAST, W.M.,
CITY OF SPOKANE, SPOKANE COUNTY, WASHINGTON



PROJECT AREA



VICINITY MAP

STREET AND DRAINAGE SHEET INDEX

LEGEND

PROPOSED IMPROVEMENTS

	ASPHALT SURFACING
	CURB
	CONCRETE OR SIDEWALK
D	DRYWELL
SD	STORM MANHOLE
	CONCRETE INLET
CB	CURB INLET
	POWER POLE
	SIGN
	WATER VALVE
WM	WATER METER
	FIRE HYDRANT
W	WATER SHUTOFF / WATER VAULT
S	SANITARY SEWER MANHOLE
	INACTIVE/COMPLETED PHASE
CO	CLEANOUT (CO)
GM	GAS METER
8"WA	WATER LINE (AS SIZED)
	SLEEVE FOR WATER / SEWER CROSSING
	SANITARY SEWER LINE
	STORM DRAIN LINE / CULVERT
1924	CONTOURS
	STORM WATER SWALE / POND
	DIRECTION OF SURFACE STORM WATER DRAINAGE
1924.50 / 1924.00	TOP OF CURB ELEVATION / FLOWLINE ELEVATION
CURB INLET 1924.00	CURB INLET / INLET ELEVATION AT FLOWLINE
1924.00	FINISHED GRADE ELEVATION

LEGEND

EXISTING FEATURES

	ASPHALT SURFACING
	CURB
	GRAVEL
	SIDEWALK OR CONCRETE
D	DRYWELL
SD	STORM MANHOLE
	CATCH BASIN
	POWER POLE/TELEPHONE POLE
T	TELEPHONE ENCLOSURE
W	WATER VALVE
	FIRE HYDRANT
S	SANITARY SEWER MANHOLE
W	WATER LINE
SS	SANITARY SEWER LINE
SD	STORM DRAIN LINE / CULVERT
OHP	POWER LINE (OHP OR BP)
BT	TELEPHONE LINE (OHT OR BT)
G	GAS LINE
2434	CONTOURS
X	FENCE
BFO	FIBER OPTIC LINE

ELEVATION DATUM

NAVD88 ESTABLISHED FROM GPS OBSERVATION ON LOCAL CONTROL POINTS USING THE WASHINGTON STATE REFERENCE NETWORK.

SITE TBM

MAG NAIL SET IN PAVEMENT
APPROXIMATELY 600 FEET NE OF NE CORNER OF SUBJECT PARCEL WEST OF GUARD RAIL OF SOUTHBOUND SR 195
ELEVATION: 1800.20

GRAPHIC SCALE

200 0 100 200 400
(IN FEET)
1 inch = 200 ft.

NOTE:

ALL SWALES WITHOUT LABELED STORMWATER EASEMENT, THE ENTIRE TRACT WILL BE DEDICATED WITH A SWALE EASEMENT.

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landscape architecture | surveying
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p 509.242.1000 | f 509.242.1001

JERRY D. STORHAUG — STATE OF WASHINGTON — 25258 — REGISTERED PROFESSIONAL ENGINEER
5/27/25

DATE: 5/27/25

REVISIONS				
5/27/25	LC	19-342	GENERAL REVISION	3
10/10/24	LC	19-342	GENERAL REVISION	2
4/10/24	LC	19-342	ASI #1 CONTRACTOR QUESTIONS	1
DATE	BY	PROJECT	DESCRIPTION	

NAVD88 = ESTABLISHED FROM GPS

NAVD88 ELEV. :1800.20

CBM NO. :

NAVD88 DATUM

100' 0' 100' 200'
SCALE IN FEET

BENCH MARK LOCATION: MAG NAIL SET IN PAVEMENT APPROX. 600 FEET NE OF NE CORNER OF SUBJECT PARCEL WEST OF GUARD RAIL OF SOUTHBOUND SR 195

SCALE: HORIZONTAL SCALE (22 x 34); VERTICAL SCALE (22 x 34)

	BY	DATES
DRAWN:	LMC	3/3/2023
APPROVED:	JDS	5/27/2025

CITY OF SPOKANE, WASHINGTON
DEPARTMENT OF ENGINEERING SERVICES 808 WEST SPOKANE FALLS BLVD. SPOKANE, WASHINGTON 99201-3343 (509) 625-6700

PROJECT NAME: LATAH GLEN RESIDENTIAL COMMUNITY

SEGMENT LIMITS:
STREET & DRAINAGE COVER AND INDEX
APN 25361.0001 & 25364.0001

PROJECT LIMITS: LATAH GLEN RESIDENTIAL

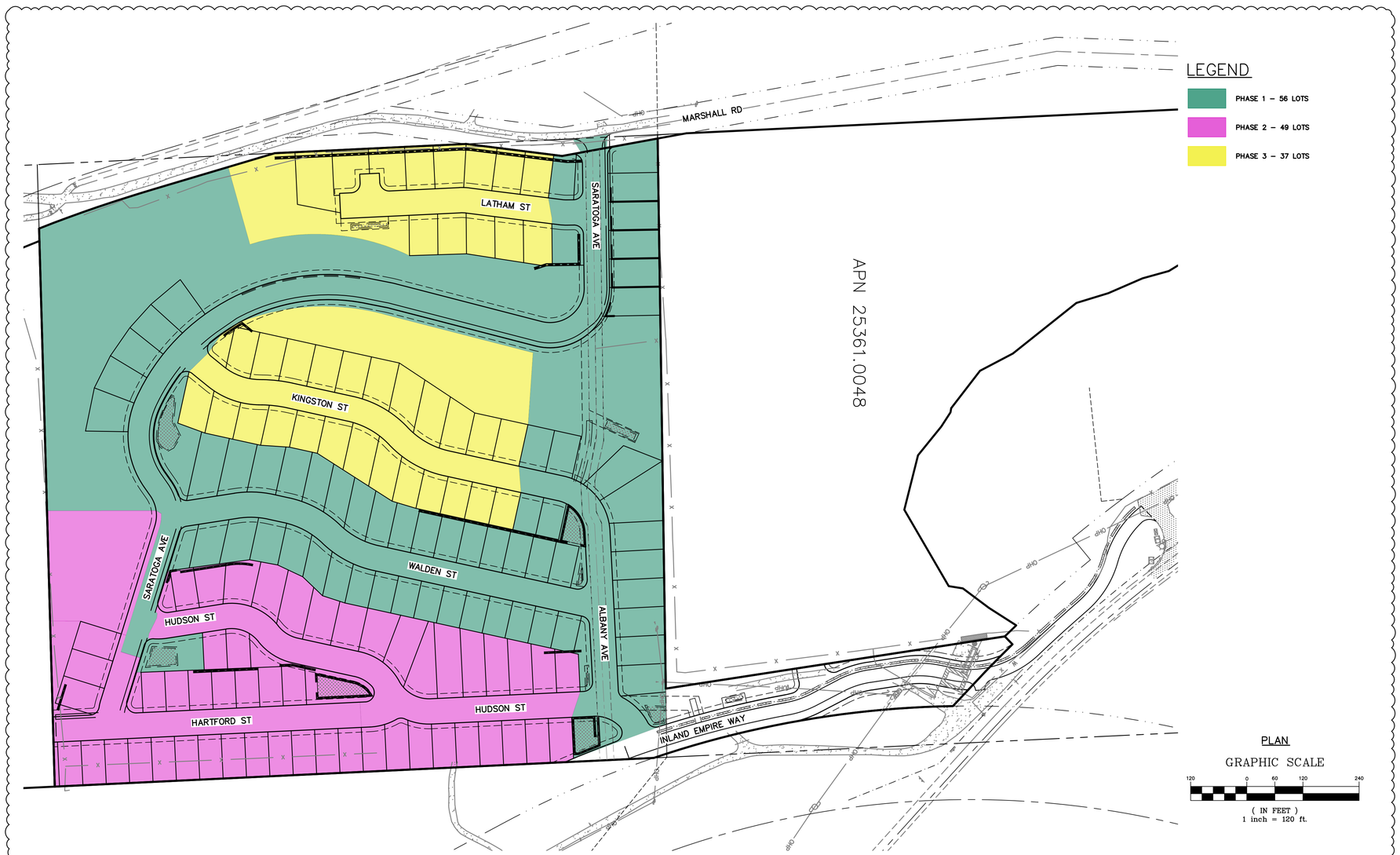
TYPE OF IMPROVEMENT: SITE/DRAINAGE

PROJECT NO.	PLAN NO.
2023519/2023520	36-25N-42E

1
22

CALL BEFORE YOU DIG 1-800-424-5555

SEC. 36, T. 25 N., R. 42 E., WM



2/3

REVISIONS				
DATE	BY	PROJECT	DESCRIPTION	
5/27/25	LC	19-342	GENERAL REVISION	3
10/10/24	LC	19-342	GENERAL REVISION	2
4/10/24	LC	19-342	ASI #1 CONTRACTOR QUESTIONS	1

NAVD88 = ESTABLISHED FROM GPS

NAVD88 ELEV. :1800.20

CBM NO. :

NAVD88 DATUM

60' 0' 60' 120'

SCALE IN FEET

BENCH MARK LOCATION: MAG NAIL SET IN PAVEMENT
APPROX. 600 FEET NE OF NE CORNER OF SUBJECT PARCEL
WEST OF GUARD RAIL OF SOUTHBOUND SR 195

SCALE		BY	DATES
	HORIZONTAL SCALE (22 x 34)	DRAWN: LMC	3/3/2023
	VERTICAL SCALE (22 x 34)	APPROVED: JDS	5/27/2025

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SE#19-342

JERRY D. STORHAUG STATE OF WASHINGTON 25559 REGISTERED PROFESSIONAL ENGINEER
5/27/25

DATE: 5/27/25

CITY OF SPOKANE, WASHINGTON
DEPARTMENT OF ENGINEERING SERVICES 808
WEST SPOKANE FALLS BLVD. SPOKANE,
WASHINGTON 99201-3343 (509) 625-6700

1A
22

PROJECT NAME: LATAH GLEN RESIDENTIAL COMMUNITY

SEGMENT LIMITS:

PHASING PLAN

APN 25361.0001 & 25364.0001

PROJECT LIMITS: LATAH GLEN RESIDENTIAL

TYPE OF IMPROVEMENT: SITE/DRAINAGE	
PROJECT NO.	PLAN NO.
2023519/2023520	36-25N-42E

CALL BEFORE YOU DIG 1-800-424-5555

3

SEC. 36, T. 25 N., R. 42 E., WM

GENERAL NOTES:

1. ALL GRADING ACTIVITIES SHALL USE ONSITE HAUL ROUTES.
2. CUT AND FILL SLOPES SHALL BE STABILIZED WITH TERRACING, CAT TRACKING, JUTE MATS, AND/OR HYDROSEEDING.
3. FILL SLOPES WILL NOT BE CONSTRUCTED ON EXISTING SLOPES STEEPER THAN 1.5:1 WITHOUT GEOTECHNICAL ENGINEERING APPROVAL.
4. FILL MATERIAL SHALL BE PLACED IN LIFTS OF NO MORE THAN 12" AND THE FILL MATERIAL WITHIN BUILDING ENVELOPES SHALL BE COMPACTED TO A MINIMUM RELATIVE DRY DENSITY OF 95%, MODIFIED PROCTOR, OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER. PROVIDE COMPACTION VERIFICATION FOR ALL FILL THAT WILL SUPPORT A STRUCTURE OR ROADWAY.
5. PROVIDE ENGINEERED KEYS FOR FILL SLOPES 5:1 OR STEEPER WITH FILL HEIGHTS EXCEEDING 5' AND FOR ANY FILL WITH HEIGHTS EXCEEDING 20'.
6. THE CONTRACTOR SHALL DETERMINE WHERE INTERCEPTOR DITCHES ARE NECESSARY TO PREVENT OFFSITE RUNOFF AND TO PREVENT ONSITE EROSION.
7. THE TOE OF A FILL SLOPE AND/OR THE TOP OF A CUT SLOPE SHALL BE SETBACK FROM THE PLAT BOUNDARY 1/5 OF THE FILL/CUT SLOPE HEIGHT.
8. EXISTING AND PROPOSED CONTOURS ARE SHOWN AT 5' INTERVALS.
9. ALL SITE DISTURBANCES ON EXISTING SLOPES STEEPER THAN 30% OR WHERE THE CONSTRUCTION WILL CREATE SLOPES STEEPER THAN 30% SHALL PROVIDE A GEOTECHNICAL EVALUATION AND ENGINEERING PRIOR TO PERMIT ISSUANCE.
10. PROVIDE TERRACE BREAKS FOR FILLS EXCEEDING 20' IN HEIGHT OR 75' IN SLOPE LENGTH.

ESC MEASURES

- (CW) CONCRETE WASHOUT
- (CE) CONSTRUCTION EXIT
- (FF) FILTER FENCE
- (IP) INLET PROTECTION
- (BC) BARRICADE
- (W) WADDLE
- (SR) SURFACE ROUGHENING
- (TS) TERRACED SLOPE
- (SS) SLOPE STABILIZATION

SEE SHEET 3 FOR FURTHER DETAILS

LEGEND

EXISTING FEATURES

- ASPHALT SURFACING
- STORM MANHOLE
- CATCH BASIN
- SD — STORM DRAIN LINE / CULVERT
- 2434 — CONTOURS
- X — X — FENCE

PROPOSED IMPROVEMENTS

- ASPHALT SURFACING
- CURB
- CONCRETE OR SIDEWALK
- DRYWELL
- STORM MANHOLE
- CONCRETE INLET
- CURB INLET
- 1924 — CONTOURS
- STORM WATER SWALE / POND
- FILTER FABRIC
- BARRACADES

GRAPHIC SCALE

80 0 40 80 160

(IN FEET)
1 inch = 80 ft.

JERRY D. STORHAUG — STATE OF WASHINGTON — 21559 — REGISTERED PROFESSIONAL ENGINEER

DATE: 5/27/25

5/27/25

REVISIONS				
DATE	BY	PROJECT	DESCRIPTION	
5/27/25	LC	19-342	GENERAL REVISION	3
10/10/24	LC	19-342	GENERAL REVISION	2
4/10/24	LC	19-342	ASI #1 CONTRACTOR QUESTIONS	1

NAVD88 = ESTABLISHED FROM GPS

NAVD88 ELEV. :1800.20

CBM NO. :

NAVD88 DATUM

40' 0' 40' 80'

SCALE IN FEET

BENCH MARK LOCATION: MAG NAIL SET IN PAVEMENT
APPROX. 600 FEET NE OF NE CORNER OF SUBJECT PARCEL
WEST OF GUARD RAIL OF SOUTHBOUND SR 195

SCALE: HORIZONTAL SCALE (22 x 34); VERTICAL SCALE (22 x 34)

	BY	DATES
DRAWN:	LMC	3/3/2023
APPROVED:	JDS	5/27/2025

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SE#19-342
510 east third avenue | spokane, wa | 99202
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CITY OF SPOKANE, WASHINGTON
DEPARTMENT OF ENGINEERING SERVICES 808
WEST SPOKANE FALLS BLVD. SPOKANE,
WASHINGTON 99201-3343 (509) 625-6700

PROJECT NAME: LATAH GLEN RESIDENTIAL COMMUNITY

SEGMENT LIMITS:

EROSION & SEDIMENT CONTROL PLAN

PROJECT LIMITS: LATAH GLEN RESIDENTIAL

TYPE OF IMPROVEMENT: SITE/DRAINAGE	
PROJECT NO.	PLAN NO.
2023519/2023520	36-25N-42E

CALL BEFORE YOU DIG 1-800-424-5555

STANDARD NOTES: A. THE FILTER FABRIC FENCE SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID USE OF JOINTS. WHEN JOINTS ARE NECESSARY, OVERLAP FILTER CLOTH AND SECURELY FASTEN BOTH ENDS TO THE POST.

B. POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART AND DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 30 INCHES (WHERE PHYSICALLY POSSIBLE).

C. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 8 INCHES WIDE AND 12 INCHES DEEP ALONG THE LINE OF POSTS AND UP-SLOPE FROM THE BARRIER. THE TRENCH SHALL BE CONSTRUCTED TO FOLLOW THE CONTOURS.

D. WHEN SLIT FILM FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UP-SLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES AT LEAST 1 INCH LONG, TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 4 INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.

E. SLIT FILM FILTER FABRIC SHALL BE WIRED TO THE FENCE, AND 20 INCHES OF THE FABRIC SHALL EXTEND INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES. OTHER TYPES OF FABRIC MAY BE STAPLED TO THE FENCE.

F. WHEN EXTRA-STRENGTH OR MONOFILAMENT FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS WITH ALL OTHER PROVISIONS OF STANDARD NOTE "E" APPLYING. EXTRA CARE SHOULD BE USED WHEN JOINING OR OVERLAPPING THESE STIFFER FABRICS.

G. LOCAL GOVERNMENTS MAY SPECIFY THE USE OF PROPERLY COMPACTED NATIVE MATERIALS. IN MANY INSTANCES, THIS MAY BE THE PREFERRED ALTERNATIVE BECAUSE THE SOIL FORMS A MORE CONTINUOUS CONTACT WITH THE TRENCH BELOW.

DEFINITION: A TEMPORARY SEDIMENT BARRIER CONSISTING OF A FILTER FABRIC STRETCHED ACROSS AND ATTACHED TO SUPPORTING POSTS AND ENTRENCHED. THE FILTER FENCE IS CONSTRUCTED OF STAKES AND SYNTHETIC FILTER FABRIC WITH A RIGID WIRE FENCE BACKING WHERE NECESSARY FOR SUPPORT.

PURPOSE: 1. TO INTERCEPT AND DETAIN SMALL AMOUNTS OF SEDIMENT UNDER SHEET FLOW CONDITIONS FROM DISTURBED AREAS DURING CONSTRUCTION OPERATIONS IN ORDER TO PREVENT SEDIMENT FROM LEAVING THE SITE.

2. TO DECREASE THE VELOCITY OF SHEET FLOWS.

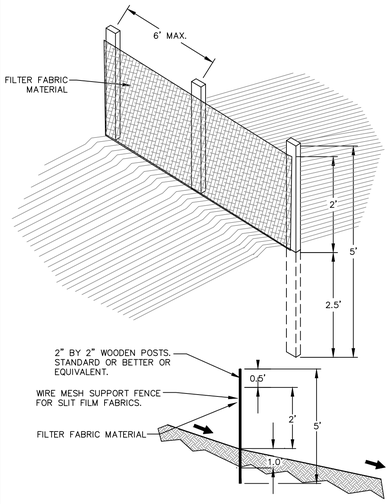
CONDITIONS WHERE PRACTICE APPLIES: FILTER FENCES MUST BE PROVIDED JUST UPSTREAM OF THE POINT(S) OF DISCHARGE OF RUNOFF FROM A SITE, BEFORE THE FLOW BECOMES CONCENTRATED. THEY MAY ALSO BE REQUIRED:

1. BELOW DISTURBED AREAS WHERE RUNOFF MAY OCCUR IN THE FORM OF SHEET AND RILL EROSION; WHEREVER RUNOFF HAS THE POTENTIAL TO IMPACT DOWNSTREAM RESOURCES.

2. PERPENDICULAR TO MINOR SWALES OR DITCH LINES FROM CONTRIBUTING DRAINAGE AREAS UP TO ONE ACRE IN SIZE.

3. CONTRACTOR SHALL COORDINATE WITH DESIGN ENGINEER FOR ACTUAL PLACEMENT LOCATIONS.

MAINTENANCE: THE FILTER FENCE AND INLET PROTECTIONS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD AND SEDIMENT OFF OF THE CONSTRUCTION SITE. THIS MAY REQUIRE PERIODIC CLEANING WHEN SEDIMENT BUILD UP IS SIX INCHES OR ONE-THIRD OF THE FENCE OR INLET PROTECTION'S ORIGINAL HEIGHT.



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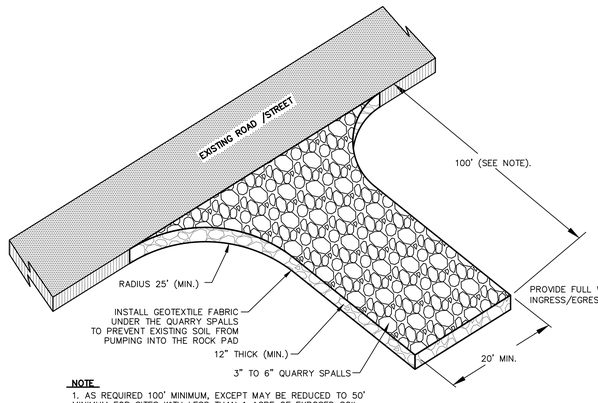
NTS



NOTE
1. AS REQUIRED 100' MINIMUM, EXCEPT MAY BE REDUCED TO 50' MINIMUM FOR SITES WITH LESS THAN 1 ACRE OF EXPOSED SOIL.

DEFINITION: A TEMPORARY STONE-STABILIZED PAD LOCATED AT POINTS OF VEHICULAR INGRESS AND EGRESS ON A CONSTRUCTION SITE.

PURPOSE: TO REDUCE THE AMOUNT OF MUD, DIRT, ROCK, ETC. TRANSPORTED ONTO PUBLIC ROADS BY MOTOR VEHICLES OR RUNOFF BY CONSTRUCTING A STABILIZED PAD OF ROCK SPALLS AT ENTRANCES TO CONSTRUCTION SITES AND WASHING OF TIRES DURING EGRESS.

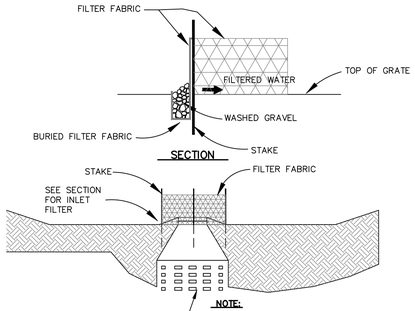
CONDITIONS WHERE PRACTICE APPLIES: WHEREVER TRAFFIC WILL BE LEAVING A CONSTRUCTION SITE AND MOVING DIRECTLY ONTO A PUBLIC ROAD OR OTHER PAVED AREAS.

MAINTENANCE: THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 2-INCH STONES, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED.

TIRE WASH: TIRE WASH IS RECOMMENDED DUE TO ONSITE SOILS. THE TIRE WASH SHALL BE REQUIRED BY THE CITY IF IT IS FOUND THAT ANY OF THE FOLLOWING ITEMS ARE NOT BEING DONE:
1. THE ROCK CONSTRUCTION EXIT IS NOT BUILT TO THE EASTERN WASHINGTON STORM WATER MANUAL STANDARDS.
2. THE ROCK CONSTRUCTION ENTRANCE IS NOT MAINTAINED PER THE EASTERN WASHINGTON STORM WATER MANUAL STANDARDS.
3. ANY MATERIAL TRACKED OFF THE SITE IN NOT CLEANED UP REGULARLY

THE CITY MAY AT IT'S DISCRETION REQUIRE THE TIRE WASH AREA TO BE INSTALLED IF IT FEELS THAT IT IS IN THE BEST INTEREST OF THE CITY OR THE NEIGHBORS TO REQUIRE IT.

STABILIZED CONSTRUCTION EXIT/ TIRE WASH CE
NTS



NOTE:
1. ALL DRYWELLS, INLETS, CATCH BASIN AND ANY OTHER STORMDRAIN FIXTURES WITH GRATED INLETS SHALL BE PROTECTED.
2. PROTECTION SHALL REMAIN IN PLACE UNTIL VEGETATION IS ESTABLISHED.
3. SEDIMENT MUST BE REMOVED WHEN IT REACHES 6" OR ¼ OF THE HEIGHT OF THE FENCE.

TEMPORARY INLET PROTECTION IP
NTS

SEC. 36, T. 25 N., R. 42 E., WM

USE THE FOLLOWING SEEDING SPECIFICATIONS WHEREVER SOIL IS DISTURBED:

PROVIDE FRESH, CLEAN NEW CROP SEED COMPLYING WITH TOLERANCE FOR PURITY AND GERMINATION ESTABLISHED BY OFFICIAL SEED ANALYSTS OF NORTH AMERICA. PROVIDE SEED MIXTURE COMPOSED OF GRASS SPECIES AND PERCENTAGES AS FOLLOWS:

20 PERCENT ELKA PERENNIAL RYE
20 PERCENT DURAR HARD FESCUE
45 PERCENT COVAR SHEEP /FESCUE
15 PERCENT REUBENS CANADIAN BLUEGRASS

PROVIDE MIXTURE COMPOSED OF GRASS SEED AND FERTILIZER IN PERCENTAGES AS FOLLOWS:

GRASS SEED MIXTURE: 90 LBS. PER ACRE
FERTILIZER: 16:16:16 TIMED RELEASE COMPOSITION, 300 LBS. PER ACRE

ALL SEEDING OF SLOPES SHALL BE DONE IN ACCORDANCE WITH CITY OF SPOKANE VALLEY STANDARDS.

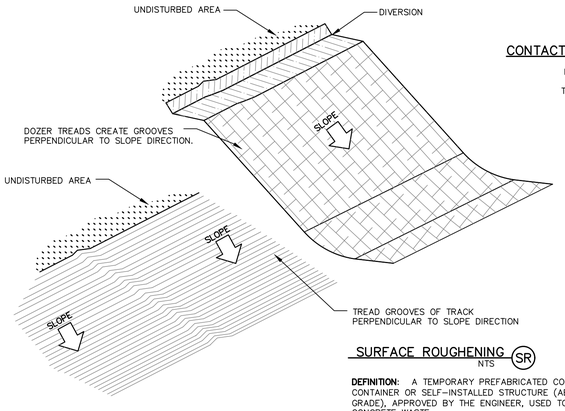
CONTRACTOR SHALL IRRIGATE SEEDED AREAS UNTIL SEED HAS GERMINATED AND HAS BEEN ACCEPTED BY OWNER.

SEEDING SPECIFICATION

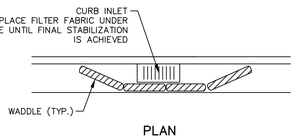
DEFINITION:
PROVISION OF A ROUGH SOIL SURFACE WITH HORIZONTAL DEPRESSIONS CREATED BY OPERATING A TILLER OR OTHER SUITABLE EQUIPMENT ON THE CONTOUR OR BY LEAVING SLOPES IN A ROUGHED CONDITION BY NOT FINE GRADING THEM.

PURPOSE:
TO AID IN ESTABLISHMENT OF VEGETATIVE COVER, REDUCE RUNOFF VELOCITY, INCREASE INFILTRATION, AND PROVIDE FOR SEDIMENT TRAPPING.

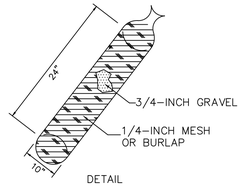
CONDITIONS WHERE PRACTICE APPLIES:
ALL SLOPES STEEPER THAN 4:1 IN BOTH CUT AND FILL REQUIRE SURFACE ROUGHENING WITH DOZER TRACKING. IN ADDITION SLOPES STEEPER THAN 30:1 IN BOTH CUT AND FILL REQUIRE SURFACE ROUGHENING WITH EITHER STAIR-STEP GRADING, GROOVING, FURROWING, OR TRACKING. COMPLETE SURFACE ROUGHENING PER IDEQ CATALOG OF BEST MANAGEMENT PRACTICES VOLUME 2, BMP 84.



SURFACE ROUGHENING SR
NTS



PLAN



DETAIL

WADDLE W
NTS

DEFINITION:
A TEMPORARY PREFABRICATED CONCRETE WASHOUT CONTAINER OR SELF-INSTALLED STRUCTURE (ABOVE OR BELOW GRADE), APPROVED BY THE ENGINEER, USED TO DETAIN CONCRETE WASTE.

PURPOSE:
TO PREVENT OR REDUCE THE DISCHARGE OF POLLUTANTS TO STORMWATER FROM CONCRETE WASTE BY CONDUCTING WASHOUT OFFSITE OR PERFORMING ONSITE WASHOUT IN A DESIGNATED AREA TO PREVENT POLLUTANTS FROM ENTERING SURFACE WATERS OR GROUNDWATER.

CONDITIONS WHERE PRACTICE APPLIES:
WHENEVER CONCRETE IS USED AS A CONSTRUCTION MATERIAL AND IT IS NOT POSSIBLE TO DISPOSE OF ALL CONCRETE WASTEWATER AND WASHOUT OFFSITE.

MAINTENANCE:
THE CONCRETE WASHOUT FACILITY SHALL BE INSPECTED FOR CAPACITY AND LEAKAGE PRIOR TO THE COMMENCEMENT OF CONCRETE WORK AND DAILY THEREAFTER. WASHOUT FACILITIES MUST BE CLEANED, OR NEW FACILITIES PROVIDED AND READY FOR USE ONCE THE WASHOUT BECOMES 75% FULL.

NOTES:
1. CONCRETE TRUCK CHUTES, PUMPS, AND INTERNALS SHALL BE WASHED OUT ONLY INTO FORMED AREAS AWAITING INSTALLATION OF CONCRETE OR ASPHALT.
2. UN-USED CONCRETE REMAINING IN THE TRUCK AND PUMP SHALL BE RETURNED TO THE ORIGINATING BATCH PLANT FOR RECYCLING.
3. HAND TOOLS INCLUDING, BUT NOT LIMITED TO, SCREEDS, SHOVELS, RAKES, FLOATS, AND TROWELS SHALL BE WASHED OFF ONLY INTO FORMED AREAS AWAITING INSTALLATION OF CONCRETE OR ASPHALT.
4. EQUIPMENT THAT CANNOT BE EASILY MOVED, SUCH AS CONCRETE PAVERS, SHALL ONLY BE WASHED IN AREAS THAT NO NOT DIRECTLY DRAIN TO NATURAL OR CONSTRUCTED STORMWATER CONVEYANCES.
5. WHEN NO FORMED AREAS ARE AVAILABLE, WASHWATER AND LEFTOVER PRODUCT SHALL BE CONTAINED IN A LINED CONTAINER. CONTAINED CONCRETE SHALL BE DISPOSED OF IN A MANNER THAT DOES NOT VIOLATE GROUNDWATER OR SURFACE WATER QUALITY STANDARDS.

CONCRETE WASHOUT NOTES CW

PROJECT / SITE DESCRIPTION

THE PROPOSED PROJECT INCLUDES ROAD AND UTILITY CONSTRUCTION WITH ASSOCIATED STORM DRAINAGE FACILITIES FOR A PROPOSED RESIDENTIAL SUBDIVISION.

ESC MEASURES

PROTECT EXISTING AND PROPOSED STORM WATER MANAGEMENT FACILITIES FROM SEDIMENTATION DURING CONSTRUCTION ACTIVITIES. FILTER FENCES SHALL BE USED TO AID IN CONTAINING ANY SEDIMENT ON THE SITE DURING GRADING AND CONSTRUCTION. STABILIZED CONSTRUCTION EXITS SHALL BE USED AT POINTS OF INGRESS AND EGRESS FOR CONSTRUCTION VEHICLES. INLET PROTECTION SHALL BE USED AT ALL STORM WATER INLETS AND DRYWELLS. PROVIDE DUST CONTROL DURING DRY SEASON.

REFER TO PLAN VIEW ON THIS SHEET FOR APPROXIMATE LOCATION OF THE ABOVE ITEMS.

ALL DISTURBED AREAS SHALL BE SEEDED OR LANDSCAPED PER THE LANDSCAPE PLAN.

NOTES

EROSION AND SEDIMENT CONTROL MEASURES SHALL CONFORM TO THE CITY OF HAYDEN CODE AND THE STATE OF IDAHO CATALOG OF STORM WATER BEST MANAGEMENT PRACTICES FOR IDAHO CITIES AND COUNTIES PREPARED BY THE WATERSHED AND AQUIFER PROTECTION BUREAU OF THE IDAHO DIVISION OF ENVIRONMENTAL QUALITY.

EROSION CONTROL MEASURES IN ADDITION TO THOSE INDICATED AS PART OF THIS PLAN MAY BE REQUIRED IF THE CITY ENGINEER DETERMINES INDICATED MEASURES ARE INADEQUATE.

PERIODIC MAINTENANCE OF EROSION CONTROL MEASURES IS REQUIRED UNTIL PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL AND SUFFICIENT VEGETATION IS ESTABLISHED.

CONTRACTOR SHALL PROVIDE DUST CONTROL DURING CONSTRUCTION.

CONTRACTOR IS RESPONSIBLE FOR PREPARATION OPF STORM WATER POLLUTION PREVENTION PLAN (SWPPP), NOTICE OF INTENT, AND IMPLEMENTATION OF PERMIT.

EXISTING CONDITIONS

THE PROJECT SITE IS AN UNDEVELOPED SITE WITH SOME TREES AND GRAVEL.

1. THE FOLLOWING CONSTRUCTION SEQUENCE SHALL BE FOLLOWED IN ORDER TO BEST MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENTATION CONTROL PROBLEMS:
   1.a. CLEAR AND GRUB SUFFICIENTLY FOR INSTALLATION OF TEMPORARY ESC BMPS;
   1.b. INSTALL TEMPORARY ESC BMPS, CONSTRUCTING SEDIMENT TRAPPING BMPS AS ONE OF THE FIRST STEPS PRIOR TO GRADING;
   1.c. CLEAR, GRUB AND ROUGH GRADE FOR ROADS, TEMPORARY ACCESS POINTS AND UTILITY LOCATIONS;
   1.d. STABILIZE ROADWAY APPROACHES AND TEMPORARY ACCESS POINTS WITH THE APPROPRIATE CONSTRUCTION ENTRY BMP;
   1.e. CLEAR, GRUB AND GRADE INDIVIDUAL LOTS OR GROUPS OF LOTS;
   1.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;
   1.g. CONSTRUCT ROADS, BUILDINGS, PERMANENT STORMWATER FACILITIES (I.E. INLETS, PONDS, UIC FACILITIES, ETC.);
   1.h. PROTECT ALL PERMANENT STORMWATER FACILITIES UTILIZING THE APPROPRIATE BMPS;
   1.i. INSTALL PERMANENT ESC CONTROLS, WHEN APPLICABLE; AND,
   1.j. REMOVE TEMPORARY ESC CONTROLS WHEN:
   1.j.a. PERMANENT ESC CONTROLS, WHEN APPLICABLE, HAVE BEEN COMPLETELY INSTALLED;
   1.j.b. ALL LAND-DISTURBING ACTIVITIES THAT HAVE THE POTENTIAL TO CAUSE EROSION OR SEDIMENTATION PROBLEMS HAVE CEASED; AND,
   1.j.c. 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, DRYWELLS, 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 NONINERT 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 DEGREASING 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.
20. BMP'S SHALL BE IN ACCORDANCE WITH CHAPTER 7 OF THE STORMWATER MANAGEMENT MANUAL FOR EASTERN WASHINGTON.

ESC STANDARD NOTES

CONTACT PERSON/PERMIT APPLICANT

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10 SYCAMORE CANYON DR.
TRABUCCO CANYON, CA. 92674
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510 east third avenue | spokane, wa | 99202
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SE#19-342

JERRY D. STORHAUG STATE OF WASHINGTON 28908 REGISTERED PROFESSIONAL ENGINEER
5/27/25

DATE: 5/27/25

3A
22

PROJECT NAME: LATAH GLEN RESIDENTIAL COMMUNITY

SEGMENT LIMITS:
EROSION CONTROL NOTES AND DETAILS

TYPE OF IMPROVEMENT: SITE/DRAINAGE

PROJECT NO.	PLAN NO.
2023519/2023520	36-25N-42E

PROJECT LIMITS: LATAH GLEN RESIDENTIAL

REVISIONS				
DATE	BY	PROJECT	DESCRIPTION	
5/27/25	LC	19-342	GENERAL REVISION	3
10/10/24	LC	19-342	GENERAL REVISION	2
4/10/24	LC	19-342	ASI #1 CONTRACTOR QUESTIONS	1

NAVD88 = ESTABLISHED FROM GPS
NAVD88 ELEV. :1800.20
CBM NO. :
NAVD88 DATUM

25' 0' 25' 50'
SCALE IN FEET

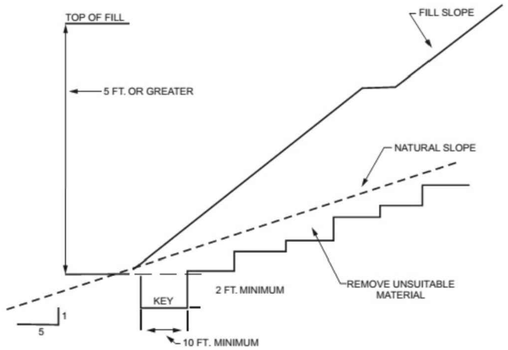
BENCH MARK LOCATION: MAG NAIL SET IN PAVEMENT APPROX. 600 FEET NE OF NE CORNER OF SUBJECT PARCEL WEST OF GUARD RAIL OF SOUTHBOUND SR 195

SCALE: HORIZONTAL SCALE (22 x 34); VERTICAL SCALE (22 x 34)

	BY	DATES
DRAWN:	LMC	3/3/2023
APPROVED:	JDS	5/27/2025

CITY OF SPOKANE, WASHINGTON
DEPARTMENT OF ENGINEERING SERVICES 808 WEST SPOKANE FALLS BLVD. SPOKANE, WASHINGTON 99201-3343 (509) 625-6700

CALL BEFORE YOU DIG 1-800-424-5555



- The terrace should have enough capacity to handle the peak runoff expected from a 2-year, 24-hour design storm without overtopping.
- The terrace cross-section should be proportioned to fit the land slope. The ridge height should include a reasonable settlement factor. The ridge should have a minimum top width of 3 feet at the design height. The minimum cross-sectional area of the terrace channel should be 8 square feet for land slopes of 5 percent or less, 7 square feet for slopes from 5 to 8 percent, and 6 square feet for slopes steeper than 8 percent. The terrace can be constructed wide enough to be maintained using a small cat.

Maintenance Standards

- Maintenance should be performed as needed. Terraces should be inspected regularly; at least once a year, and after large storm events.

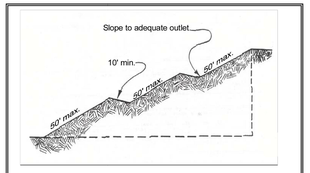


Figure 7.3.8 - Gradient Terraces

TERRACED SLOPE
NTS (TS)

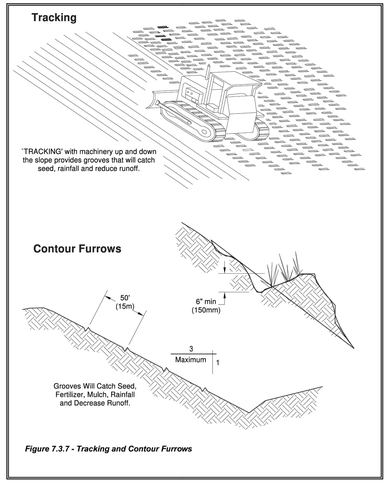
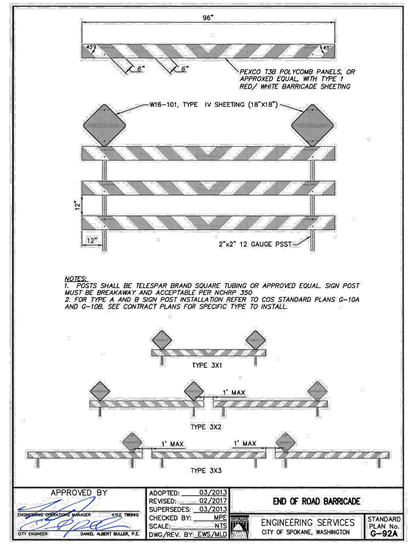


Figure 7.3.7 - Tracking and Contour Furrows

SLOPE STABILIZATION
NTS (SS)



TERMINUS BARRICADE DETAIL (BC)

REVISIONS				
5/27/25	LC	19-342	GENERAL REVISION	3
10/10/24	LC	19-342	GENERAL REVISION	2
4/10/24	LC	19-342	ASI #1 CONTRACTOR QUESTIONS	1
DATE	BY	PROJECT	DESCRIPTION	

NAVD88 = ESTABLISHED FROM GPS

NAVD88 ELEV. :1800.20

CBM NO. :

NAVD88 DATUM

25' 0' 25' 50'

SCALE IN FEET

BENCH MARK LOCATION: MAG NAIL SET IN PAVEMENT APPROX. 600 FEET NE OF NE CORNER OF SUBJECT PARCEL WEST OF GUARD RAIL OF SOUTHBOUND SR 195

SCALE		BY	DATES
	HORIZONTAL SCALE (22 x 34)	DRAWN: LMC	3/3/2023
	VERTICAL SCALE (22 x 34)	APPROVED: JDS	5/27/2025

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DEPARTMENT OF ENGINEERING SERVICES 808
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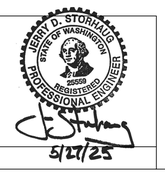
WASHINGTON 99201-3343 (509) 625-6700



DATE: 5/27/25

3B
22

PROJECT NAME: LATAH GLEN RESIDENTIAL COMMUNITY

SEGMENT LIMITS:

EROSION CONTROL NOTES AND DETAILS

PROJECT LIMITS: LATAH GLEN RESIDENTIAL

TYPE OF IMPROVEMENT: SITE/DRAINAGE

PROJECT NO.	PLAN NO.
2023519/2023520	36-25N-42E

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