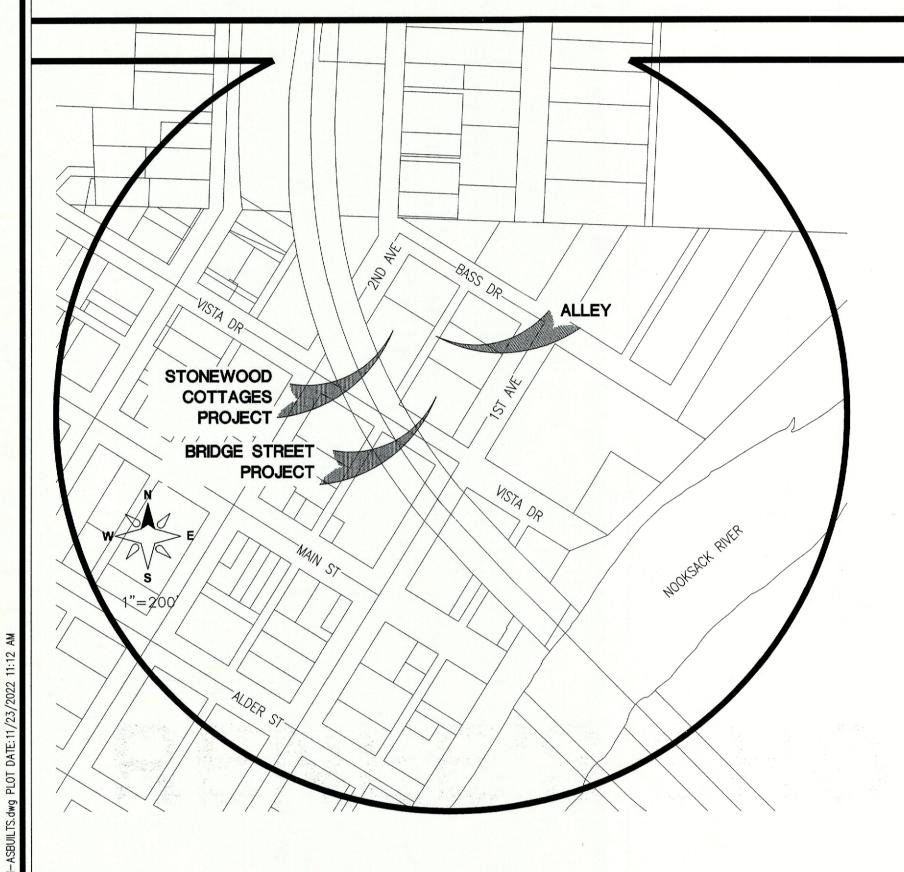
RENEE'S SHORT PLAT / STONEWOOD COTTAGES RECORD DRAWINGS



BRIDGE STREET PROJECT SUMMARY 5340 MARKET RD BELLINGHAM, WA 98226 SITE ADDRESS O BRIDGE ST ASSESSOR'S PARCEL # 390229 155529 0000 CITY ZONING RMH-RESIDENTIAL MULTIFAMILY HIGH PARCEL AREA 14,924 SF (0.34 ACRES) PROJECT DESCRIPTION -PROVIDE STORM, SEWER, WATER & DRY UTILITIE 32 TOTAL STALLS (16 STALLS REQUIRED) 16 PARKING STALLS (DRIVEWAYS) 16 PARKING STALLS (GARAGES)

8 UNITS (5 UNITS MIN)

STONEWOOD COTTAGES

ELEVATION (BFE)

BASE FLOOD

ELEVATION (BFE)

2 FOUR-PLEXES - 2,880 SF EACH BLDG

PROJECT SUMMARY STONEWOOD CONSTRUCTION, LLC PO BOX 33 FERNDALE, WA 98248 SITE ADDRESS 5698 SECOND AVE 390229 147544 0000 ASSESSOR'S PARCEL # RMH-RESIDENTIAL MULTIFAMILY HIGH CITY ZONING 16,803 SF (0.386 ACRES) PARCEL AREA PROJECT DESCRIPTION AND 1 SHOP TO BE CONVERTED TO UNIT -PROVIDE STORM, SEWER, WATER & DRY UTILITIES -PAVED PARKING AREAS ON-SITE PER EACH UNIT 12 - 2 STALL PER UNIT (INCLUDING 2 - COMPACT STALLS) UNIT 1 - 1280 SF BLDG - 2 STORIES UNIT 2 - 960± SF BLDG (EXISTING) UNIT 3 - 1280 SF BLDG - 2 STORIES UNIT 4 - 554± SF BLDG (EXISTING) UNIT 5 - 1280 SF BLDG - 2 STORIES

33.00 FEET

UNIT 6 - 1280 SF BLDG - 2 STORIES

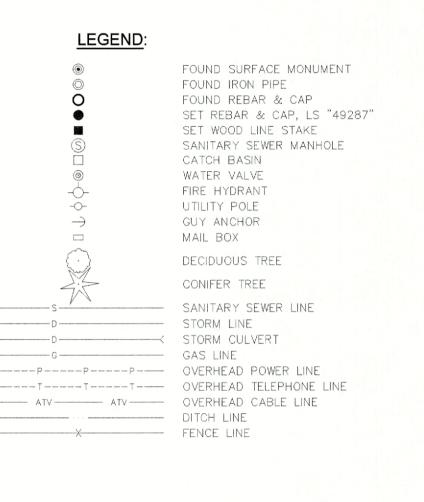
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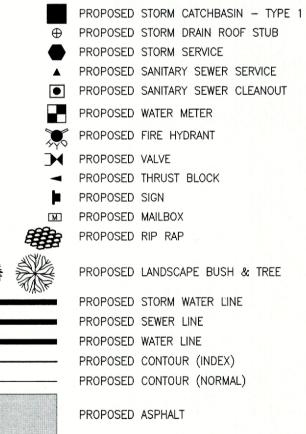


ENGINEER'S CERTIFICATION HEREBY CERTIFY THAT THE IMPROVEMENTS IN "RENEE'S SHORT PLAT" HAVE BEEN INSPECTED BY LDES AND TO THE BEST OF MY KNOWLEDGE, HAVE BEEN CONSTRUCTED IN CONFORMANCE WITH THE CITY OF ERNDALE DEVELOPMENT STANDARDS, THE Y OF FERNDALE MUNICIPAL CODE, UBSED ENT STANDARDS ADOPTED BY

CERTIFY THAT THE LOCATIONS, ELEVATIONS, DEPTHS, AND AS-BUIL' COMMENTS REFLECTING MATERIALS ACTUALLY USED DURING CONSTRUCTION ACCURATELY REFLECT EXISTING FIELD CONDITIONS AS DETERMINED BY ME OR UNDER MY DIRECT SUPERVISION ON THIS



PROPOSED LEGEND:



= PROPOSED POWER

= PROPOSED POWER TRANSFORMER

PROPOSED CONCRETE

= PROPOSED COMMON UTILITY TRENCH

| DATE: | |
|---------------------|--------|
| 7/5 | 24 |
| RAMOND D. PETERSON, | P.L.S. |
| | |

| \triangle | SUBMITTAL 1 | RL | 11/08/21 | |
|-------------|-------------|----|----------|--|
| \triangle | SUBMITTAL 2 | RL | 12/07/21 | |
| 2 | | | | |
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| 4 | | | | |
| \$ | | | | |
| NO | DEVISION | BY | DATE | |

5160 INDUSTRIAL PL., SUITE 108

5160 INDUSTRIAL PL., SUITE 108

CONTACT: RAYMOND PETERSON, PLS.

CALL 2 BUSINESS DAYS BEFORE YOU DIG

1-800-424-5555

ALL UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE LOCATIONS ONLY AND THERE IS NO GUARANTEE THAT ALL UTILITIES ON THIS SITE ARE SHOWN. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTACT THE WASHINGTON STATE UTILITY LOCATED CENTER AT LEAST 48 HOURS BEFORE CONSTRUCTION

UTILITIES UNDERGROUND LOCATION CENTER

CONTACT: RAMON LLANOS, PE.

FERNDALE, WA 98248

FERNDALE, WA 98248

BURIED UTILITIES NOTE:

PHONE: (360) 383-0620

PHONE: (360) 383-0620





LDES, INC. 5160 INDUSTRIAL PL. #1082055_CIVII-C3D18_combined-ASBUILTS.dwg FERNDALE, WA 98248 PHONE 360-383-0620 FAX 360-383-0639

2109/2055 DESIGNED BY: DRAWN BY CHECKED BY:

TERRY L + K RENEE DAWN 5340 MARKET RD BELLINGHAM, WA 98226

STONEWOOD CONSTRUCTION LLC PO BOX 33 FERNDALE, WA 98248



COVER SHEET

GENERAL REQUIREMENTS:

ALL WORK AND MATERIALS SHALL CONFORM TO THESE PLANS AND TO THE REQUIREMENTS OF THE CURRENT EDITION OF THE "STATE OF WASHINGTON, DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION" (WSDOT SPECS.), THE CITY OF FERNDALE DEVELOPMENT STANDARDS (COFDS) AND THE CURRENT VERSION OF THE DEPARTMENT OF ECOLOGY STORM WATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON (DOE MANUAL). IN CASE OF A CONFLICT BETWEEN PLANS, REGULATORY STANDARDS OR SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT WILL PREVAIL

PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER CONSTRUCTION DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES. THROUGHOUT THE PERIOD OF CONSTRUCTION, CONTRACTOR SHALL COMPLY WITH THE TERMS OF ALL PERMITS.

THE CONTRACTOR MUST HAVE A FULL SET OF CITY CONTRACT DOCUMENTS ON THE SITE WHENEVER CONSTRUCTION IS IN PROGRESS CONSTRUCTION NOISE SHALL BE LIMITED TO BETWEEN 7 a.m. TO 8 p.m., MONDAY THROUGH SATURDAY THE CONTRACTOR SHALL CONTACT THE UTILITIES UNDERGROUND LOCATION CENTER AT LEAST 72 HOURS PRIOR TO STARTING CONSTRUCTION. PHONE: 1-800-424-5555. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL OF THE VARIOUS UTILITY COMPANIES TO ARRANGE FOR FIELD LOCATIONS OF ALL EXISTING UTILITY FACILITIES. NO EXTRA COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR COSTS INCURRED BECAUSE OF DAMAGE DONE TO EXISTING FACILITIES BY THE CONTRACTOR'S WORK FORCE, INCLUDING COSTS FOR REPAIRS, WHICH WILL BE CONTRACTOR'S SOLE RESPONSIBILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF ALL EXISTING UTILITIES AND TO NOTIFY THE ENGINEER PROMPTLY OF ANY CONFLICT BETWEEN THE APPROVED PLANS AND THE LOCATION OF ANY EXISTING

THE CONTRACTOR SHALL PROTECT ALL PRIVATE AND PUBLIC UTILITIES FROM DAMAGE RESULTING FROM THE WORK. CONTRACTOR SHALL RESTORE ALL PRIVATE AND PUBLIC PROPERTY DISRUPTED BY THE PROJECT IMMEDIATELY AFTER CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EROSION CONTROL MEASURES THROUGHOUT THE DURATION OF THE PROJECT. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY CLEARING OR GRADING IN CONFORMANCE WITH THE EROSION & SEDIMENTATION CONTROL PLAN AND THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP). THE SWPPP SHALL BE ONSITE AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.

SITE CLEARING SHALL INCLUDE THE LOCATION AND REMOVAL OF ALL ABOVE GROUND AND BURIED DEBRIS AND WASTE THAT MAY BE THE CONTRACTOR SHALL OBTAIN REVOCABLE ENCROACHMENT PERMITS FROM THE CITY OF FERNDALE AND/OR WHATCOM COUNTY PRIOR TO

COMMENCING WORK WITHIN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL ATTEND A PRE-CONSTRUCTION MEETING WITH REPRESENTATIVES OF THE CITY OF FERNDALE PUBLIC WORKS DEPARTMENT AND THE PROJECT ENGINEER A MINIMUM OF THREE (3) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. THE CITY WILL SCHEDULE THE MEETING.

ALL WORK AND MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE CITY OF FERNDALE PUBLIC WORKS DEPARTMENT, REPRESENTATIVES FROM THE CITY OF FERNDALE PUBLIC WORKS DEPARTMENT MUST INSPECT ALL WORK IDENTIFIED ON THE PLANS, BOTH PUBLIC AND PRIVATE. THE CONTRACTOR SHALL CALL AT LEAST 24 HOURS IN ADVANCE TO SCHEDULE INSPECTIONS AS FOLLOW:

A. PLACEMENT OF TEMPORARY EROSION CONTROL MEASURES. B. CONSTRUCTION OF STORMWATER MANAGEMENT FACILITIES.

C. PLACEMENT OF WATER MAIN AND BACKFILLING OF WATER MAIN TRENCH WITHIN ROAD RIGHTS OF WAY OR IN WATERLINE EASEMENT TO BE DEDICATED TO THE CITY OF FERNDALE. D. PLACING OR BACKFILLING OF UNDERGROUND UTILITIES, STORM SEWER AND SANITARY SEWER WITHIN ROAD RIGHTS-OF-WAY, IN EASEMENTS TO BE DEDICATED TO THE CITY OF FERNDALE, OR OTHER PUBLICLY SHARED FACILITIES.

E. GRADING OF PUBLIC OR PRIVATE ROADWAY AT: 1. COMPLETION OF EXCAVATION TO SUBGRADE. COMPLETION OF BALLAST COURSE PLACEMENT

COMPLETION OF CRUSHED SURFACING COURSE PLACEMENT

F. POURING OF CURB AND GUTTER AND SIDEWALK IN PUBLIC ROADWAY.

G. ASPHALT PAVING IN PROGRESS IN PUBLIC ROADWAY. H. OVERALL INSPECTION FOR FINISHED SHOULDERS, DITCHES, PERMANENT SEEDING AND MONUMENT PLACEMENT

I. END OF MAINTENANCE PERIOD THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT FLAGGERS AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH AND SAFETY OF THE PUBLIC, AND TO PROTECT PRIVATE & PUBLIC PROPERTY IN CONNECTION WITH THE PERFORMANCE AND WORK BY THE CONTRACTOR. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE AT LEAST ONE FLAGGER FOR EACH LANE OF TRAFFIC AFFECTED. A TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE CITY FOR APPROVAL PRIOR TO PERFORMING THE WORK. ALL SECTIONS OF THE WSDOT

STANDARD SPECIFICATIONS 1-07.23- TRAFFIC CONTROL, SHALL APPLY. THE CONTRACTOR SHALL INFORM THE ENGINEER AND OBTAIN APPROVAL FROM THE CITY OF FERNDALE PUBLIC WORKS DIRECTOR OF ANY PROPOSED DEVIATION FROM THE APPROVED PLANS PRIOR TO CONSTRUCTION OF THE REVISED IMPROVEMENTS. THE CONTRACTOR SHALL KEEP RECORDS OF ALL DEVIATIONS AND SHALL FORWARD THEM TO THE ENGINEER AND TO THE CITY OF FERNDALE PUBLIC WORKS

AS-BUILT DATA SHALL BE PROVIDED TO THE CITY OF FERNDALE UPON COMPLETION OF CONSTRUCTION AND PROVIDED IN CITY OF FERNDALE DATUM - VERTICAL (NGVD 29) AND HORIZONTAL (NAD 83/91). CONTACT THE CITY FOR MORE INFORMATION ON SUBMITTAL REQUIREMENTS. POTHOLING ALL EXISTING UTILITIES IS REQUIRED PRIOR TO CONSTRUCTION TO VERIFY DESIGN FEASIBILITY. THE CITY DOES NOT GUARANTEE AS-BUILT INFORMATION IN THE CITY DATABASE IS ACCURATE AND WILL NOT BE HELD RESPONSIBLE IF FIELD MODIFICATIONS ARE REQUIRED BECAUSE POTHOLING WAS NOT DONE PRIOR TO DESIGN. ALL STRUCTURES AND WATERMAIN CONVEYANCE WILL BE STAKED AND LOCATED BY A LICENSED LAND SURVEYOR PROVIDING OFFSET

LOCATION AND ELEVATIONS PRIOR TO CONSTRUCTION AND INSPECTION. FAILURE TO DO SO WILL RESULT IN POTENTIAL RE-INSPECTION AND

UNDERGROUND UTILITIES CONSTRUCTION:

A. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE ENGINEER TO ASSURE ACCURATE AND TIMELY COLLECTION OF ALL REQUIRED AS-BUILT DATA. THIS DATA MUST ACCURATELY REFLECT THE LOCATIONS OF ALL UNDERGROUND UTILITIES, BOTTOM OF PIPE ELEVATIONS, INVERT ELEVATIONS, MANHOLE LOCATIONS, WATER SERVICE TAPS, BLOW-OFF LOCATIONS AND INVERTS OF SERVICE CONNECTIONS (BOTH AT PIPE AND AT PROPERTY LINE), VERTICAL AND HORIZONTAL BENDS, SERVICE BOXES AND METERS, VALVES AND HYDRANTS. CALL THE PROJECT ENGINEER AT LEAST 48—HOURS BEFORE BURYING UNDERGROUND PIPE TO ASSURE AND FACILITATE REQUIRED AS-BUILT SURVEY.

B. THE CONSTRUCTION OF UNDERGROUND UTILITY LINES SHALL BE SUBJECT TO THE FOLLOWING CRITERIA: i. NO MORE THAN 500 FEET OF TRENCH SHALL BE OPENED AT ONE TIME. . WHERE CONSISTENT WITH SAFETY AND SPACE CONSIDERATIONS, EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF DITCHES.

iii. TRENCH DEWATERING DEVICES SHALL DISCHARGE INTO SEDIMENT TRAPS OR SEDIMENT PONDS. iv. WHERE PRACTICAL, INSTALL GRAVITY PIPE UTILITIES PRIOR TO INSTALLATION OF OTHER UTILITIES. UTILITY CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF

FERNDALE DEVELOPMENT STANDARDS. D. ALL UTILITY TRENCHES IN THE RIGHT OF WAY SHALL BE BACKFILLED IN CONFORMANCE WITH CITY E. TESTING OF NEW WATER LINES, STORM SEWER SYSTEMS SHALL NOT BE PERFORMED UNTIL ALL OTHER

ADJACENT UTILITIES HAVE BEEN INSTALLED. F. ALL UTILITY TRENCHES SHALL BE BACKFILLED AND COMPACTED TO 95% DENSITY IN LIFTS NOT TO EXCEED 24 INCHES WITH A "HOE PACK, OR 8 INCHES WITH HAND-OPERATED COMPACTION." G. OPEN CUTTING OF EXISTING ROADWAYS IS ONLY ALLOWED AS APPROVED AND NOTED ON THESE APPROVED PLANS. ANY OPEN CUT SHALL BE RESTORED IN ACCORDANCE WITH THE FERNDALE STANDARD TRENCH

DETAIL(S). ALL UTILITY TRENCHES UNDERNEATH AN EXISTING ROADWAY SHALL BE BACKFILLED WITH 150 PSI

CONTROLLED DENSITY FILL H. NO PART OF THE DRAINAGE SYSTEM MAY BE COVERED, CONCEALED, OR PUT INTO USE UNTIL IT HAS BEEN INSPECTED, TESTED, AND ACCEPTED BY THE CITY INSPECTOR. A MINIMUM OF 5-FOOT SEPARATION IS REQUIRED BETWEEN THE WET UTILITIES (WATER, SEWER, STORM) SHOWN ON THE PLANS AND THE DRY UTILITIES (GAS, POWER, CABLE AND POWER) THAT MAY OR MAY NOT

STORM DRAINGAGE:

BE SHOWN ON THE PLANS.

1. THE FOLLOWING STANDARD DETAILS SHALL BE USED FOR CONSTRUCTION OF STORM DRAIN IMPROVEMENTS: WSDOT STD. DETAILS B-5.20, B-5.40 OR B-10.20 CATCH BASINS TYPE 1, 1L OR 2 COFSD ST-7 (CITY OF FERNDALE STD DETAIL) "RESIDENTIAL SERVICE LINE" CATCH BASINS COFSD ST-16 (CITY OF FERNDALE STD DETAIL)

2. STORM SEWER PIPE HAVING DIAMETERS GREATER THAN 8" SHALL BE CORRUGATED POLYETHYLENE PIPE (CPEP); ALL OTHER STORM SEWER PIPE SHALL BE PVC. ALL CATCH BASIN GRATES SHALL INCLUDE THE STAMPING "OUTFALL TO STREAM, DUMP NO POLLUTANTS' 4. CONTROL DENSITY FILL SHALL BE USED IN AREAS WHERE LESS THAN 18" OF COVER IS MAINTAINED OVER

THE PROPOSED STORM PIPES (PIPE IS IN ROAD BASE SECTION), AS SHOWN IN THE PLANS. DUCTILE IRON PIPE MAY BE USED FOR STORM PIPES WITH LESS THAN 18" OF COVER IF APPROVED BY THE CITY. 5. COVER OVER PIPES SHALL BE MAINTAINED DURING CONSTRUCTION. DEPTH OF COVER REQUIRED SHALL CONFORM TO THE MANUFACTURER'S RECOMMENDATIONS AND WILL VARY WITH THE VEHICLE LOADS TRAVELING OVER THE PIPE. NO ADDITIONAL COMPENSATION SHALL BE PROVIDED FOR DAMAGE TO PIPE DURING CONSTRUCTION ACTIVITIES

6. AT THE END OF ALL SITE CONSTRUCTION, THE CONTRACTOR SHALL CLEAN ALL DEBRIS FROM CATCH BASINS AND STORMWATER CONVEYANCES. DEBRIS SHALL NOT BE ALLOWED TO ENTER STREAMS OR OFF-SITE STORMWATER SYSTEMS.

7. POSITIVE LOT DRAINS PER STANDARD DETAIL ST-16.

WATER:

 THE FOLLOWING STANDARD DETAILS SHALL BE USED IN CONSTRUCTING WATER SUPPLY SYSTEM IMPROVEMENTS: PIPE BEDDING

COFSD W-11 TRENCH BACKFILL COFSD W-11 FIRE HYDRANT ASSEMBLY COFSD W-1 COFSD W-2, W-3 & W-4 THRUST BLOCKING

COFSD W-5 ALL WORK AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE CITY OF FERNDALE DEVELOPMENT STANDARDS, SECTIONS 702 AND 705 AND THE MOST RECENT VERSION OF WSDOT STANDARD SPECIFICATIONS.

ALL WATER MAIN PIPE SHALL BE DUCTILE IRON, MINIMUM THICKNESS CLASS 50, PER AWWA STANDARDS H3-71 AND C151-71, WITH CEMENT LINING PER AWWA 4. MATERIAL FOR FITTINGS SUCH AS CROSSES, TEES, BENDS, REDUCERS AND SLEEVES SHALL BE DUCTILE IRON. JOINTS SHALL BE M.J., FLANGED OR PUSH-ON JOINTS AND SHALL CONFORM TO AWWA SPECIFICATIONS C-110-71 AND C-104-71.

5. CONCRETE BLOCKING SHALL BE AS SPECIFIED IN CITY OF FERNDALE STANDARD DETAILS W-2, W-3 AND W-4, OR AS DIRECTED BY THE PROJECT ENGINEER. BLOCKS SHALL BE INSTALLED AS SPECIFIED IN SECTION 7-09.3(21) OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE OR MUNICIPAL CONSTRUCTION. NO PRE-CAST BLOCKS ARE ALLOWED. 6. CONNECTIONS TO EXISTING WATER MAINS - THE CONTRACTOR MUST NOTIFY THE CITY OF FERNDALE PUBLIC WORKS DIRECTOR OF A PROPOSED CONNECTION AT LEAST

FOUR WORKING DAYS IN ADVANCE ALL HYDROSTATIC TESTING AND DISINFECTION OF WATER MAINS SHALL CONFORM TO SECTION 7-09.3(23) AND SECTION 7-09.3(24)OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE OR MUNICIPAL CONSTRUCTION - CURRENT EDITION. HYDROSTATIC TEST PRESSURE FOR WATER MAIN ACCEPTANCE SHALL BE 225 PSI AND SHALL BE DONE ACCORDING TO CITY OF FERNDALE REQUIREMENTS. THE CITY OF FERNDALE LABORATORY SHALL CONDUCT ALL DISINFECTION TESTS AND BACTERIOLOGICAL TESTS. THE PIPE WILL NOT PASS TESTING UNLESS A ZERO BACTERIAL COUNT IS MEASURED ON

TWO CONSECUTIVE TESTS, CONDUCTED 24 HOURS APART. BACKFILL SHALL BE GRAVEL BASE, CLASS B, IN ALL STREET RIGHTS-OF-WAY, COMPACTED TO MINIMUM 95% OPTIMUM DENSITY. IN UNIMPROVED AREAS, MINIMUM COMPACTION SHALL BE 90% OF OPTIMUM DENSITY. ALL PIPES SHALL HAVE A MINIMUM COVER OF 36"

10. ALL VALVES SHALL BE GATE VALVES AND SHALL BE INSTALLED WITH SLIP TYPE CAST IRON VALVE BOXES. GATE VALVES SHALL BE USED FOR LINES 2 INCHES THROUGH 10 INCHES IN DIAMETER. SHORT-BODY VALVES SUITABLE FOR A NON-SHOCK SHUT-OFF PRESSURE OF 130 PSI AND SUITABLE FOR DIRECT BURIAL ARE SPECIFIED. GATE VALVES SHALL BE RESILIENT SEATED IRON-BODY, FULL-BRONZE MOUNTED VALVES CONFORMING TO AWWA C509 AND SUITABLE FOR SERVICE WITH THE TYPE AND CLASS OF PIPE USED. ALL VALVES SHALL HAVE NON-RISING STEMS AND SHALL OPEN COUNTERCLOCKWISE AND SHALL BE EQUIPPED WITH A 2 INCH SQUARE OPERATING NUT. VALVES WILL BE FLANGE OR M.J. JOINTS. VALVE MARKERS SHALL BE LOCATED OUTSIDE OF PAVEMENT SECTIONS.

11. WATER SERVICE TAP INSTALLATIONS SHALL MEET THE REQUIREMENTS OF THE COFDS W-5. 12. FIRE HYDRANTS AND FIRE MAINS MUST CONFORM TO COFDS- SD W-1 (WSDOT B-19) AND THE FOLLOWING STANDARDS

SHALL BE FULLY OPERABLE BEFORE CONSTRUCTION COMMENCES ABOVE GRADE LEVEL.

A. FIRE HYDRANTS SHALL HAVE TWO INDIVIDUALLY VALVED 2-1/2" PORTS AND ONE 5-1/4" MAIN VALVE OPENING. A 4-1/2" NST PUMPER NOZZLE AND A 5" STORZ PORT WITH CAP AND AIRCRAFT CABLE SHALL BE SUPPLIED. HYDRANTS SHALL BE M.H. 929T HYDRANTS. B. FIRE HYDRANTS SHALL HAVE THE STORZ PORT FACING THE REQUIRED ACCESS AND THE BASE FLANGE OF THE HYDRANT MUST NOT VARY MORE THAN 1 FOOT IN ELEVATION FROM THE GRADE LEVEL OF THE REQUIRED ACCESS. THE LOWEST STEM SHALL BE A MINIMUM OF 14" ABOVE THE GROUND. C. IF THE PUBLIC WORKS DIRECTOR DETERMINES THAT FIRE HYDRANTS ARE VULNERABLE TO VEHICULAR DAMAGE, APPROPRIATE CRASH 🙌 PROVIDED. NO OBSTRUCTIONS SHALL EXIST WITHIN A 3-FOOT WORKING AREA OF EACH REQUIRED ACCESS. CRASH POSTS SHALL BE 6" CHARACT HILLED PIPE A MIN. OF 3' IN HEIGHT WITH A MIN. OF 2' OF PIPE BELOW GRADE. HYDRANT SHUTOFF VALVES SHALL BE LOCATED BETWEEN 5' AND 20' F#### T####YDRANT. D. UNDERGROUND SUPPLIES TO FIRE HYDRANTS MUST BE INSPECTED. SUCH INSPECTION SHALL INCLUDE VISUAL INSPECTION// PIPING AND HYDRATIC TO THE PIPING AND HYDROTIC TO THE PIPING AND HYDROTIC PRESSURE TESTING TO A MIN. OF 225 PSI. A FLOW TEST WILL BE REQUIRED WHEN INSTALLATION IS COMPLETE E. FIRE HYDRANTS MUST BE MAINTAINED IN AN OPERABLE CONDITION AT ALL TIMES AND MUST BE REPAIRED **ART**

SANITARY SEWER SYSTEMS:

ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CITY OF FERNDALE STANDARD SPECIFICATIONS AND WETAILS, A.P.W.A. ISTANDARD SPECIFICATIONS, AND WSDOT STANDARD SPECIFICATIONS, MOST RECENT EDITIONS. SANITARY SEWER SYSTEM INSTALLATION, BOTH PURILIC AND PRIVATE, WYSUBLET TO CITY REVIEW AND

ALL WORK MUST BE INSPECTED TO THE SATISFACTION OF THE CITY OF FERNDALE. 24 HOUR NOTICE MUST BE WITH PRIOR TO STARTING WORK. TESTING OF THE SEWER SYSTEM AND ALL CONNECTIONS TO EXISTING MAINS SHALL BE PERFORMED IN THE PRESENCE AND UNDER THE SUPERVISION OF A CITY OF FERNDALE 3. SANITARY SEWER MAINS SHALL BE A MINIMUM 8 INCH DIAMETER PVC PILTURAL 35) CONTINUENT TO THE PROVISIONS OF ASTM D 3034 AND INSTALLED TO CITY SPECIFICATIONS.

SANITARY SEWER PIPE BEDDING SHALL BE PEA GRAVEL PER WITHOUTS SS-1 LL VERDICHES SHALL BE BACKFILLED WITH CLASS B BANK RUN GRAVEL WITHIN CITY RIGHT OF WAY AND TRAVELED WAYS OUTSIDE OF RIGHT OF WAY AND TRAVELED WAYS OUTSIDE OF RIGHT OF WAY AND SHALL BE COMPACTED TO A MINIMUM DENSITY OF 95% MODIFIED PROCTOR. USE OF SUITABLE NATIVE BACKFILL OUTSING OF TRAVELDOWN OF TRA SANITARY SEWER PIPE BEDDING SHALL BE PEA GRAVEL PER SS-

ALL MANHOLES SHALL BE INSTALLED PER CHTY O LADDER RUNGS ARE PARALLEL TO THE FLIXAM ALL SIDE SEWERS SHALL BE INSTANTAND PERINCIPLY OF PERINCIPLY OF PERINCIPLE STANDARD DELIVERS SS-6, SS-8 OR SS-13, EXCEPT THAT SINGLE SIDE SEWERS SHALL HAVE A MINIMUM DIAMETER OF 4".

CONTRACTOR SHALL EXTENDED THE STUBS SHIT BEYIND UTILITY COPENOR OF SFEET BEYOND RIGHT-OF-WAY LINE.

EACH SIDE SEWER STORM FAIL BE CAPPED WITH A WEIGHT PLUT EACH STUB SHALL BE MARKED FOR LOCATION WITH A 2" DIA. PVC PIPE (MIN. SCHEDULE 40) WITH THE TOP 18" PAINTED REPEN AND SECONDECTED TO THE SERVICE STUB BY A #1 COPPER WIRE.

 THE FOLLOWING STANDARD DETAILS SHALL BE USED FOR CONSTRUCTION OF THE STANDARD STREET SECTION: TYPICAL STREET SECTION PER THESE PLANS

> PCC CURB AND GUTTER COFSD R-9 PCC SIDEWALKS COFSD R-12 (SEE CONSTRUCTION DOCUMENTS TYPICAL SECTION)

WSDOT STD. DETAIL F-40. PCC CURB RAMPS ROADWAY EXCAVATION WITHIN THE ROADWAY PRISM SHALL BE CUT TO A UNIFORM GRADE. THE COMPLETED SUBGRADE SURFACE SHALL NOT VARY MORE THAN 0.10-FOOT FROM THE LOWER EDGE OF A 15-FOOT STRAIGHTEDGE PLACED ON THE SUBGRADE PARALLEL TO THE CENTERLINE UNLESS APPROVED BY THE ENGINEER.

THE OWNER SHALL PROVIDE TO THE ENGINEER A REPORT FROM A QUALIFIED GEOTECHNICAL FIRM CERTIFYING THE COMPACTION OF THE GRAVEL BASE UNDER ALL PAVING AREAS. 4. ASPHALT CONCRETE PAVEMENT SHALL BE CLASS "B" MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH THE

STANDARD SPECIFICATIONS, SECTION 5-04, EXCEPT AS MODIFIED HEREIN. CONNECTION TO EXISTING PAVEMENT SHALL BE TO A STRAIGHT NEATLY-TRIMMED LINE.

5. CRUSHED ROCK SURFACING FOR PAVEMENT SHALL BE IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION, SECTION 9-03.9(3); BALLAST PER SECTION 9-03.9(1).

6. CEMENT CONCRETE SHALL BE CLASS 3000 (WITH AIR ENTRAINMENT) IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION, SECTION 7. CEMENT CONCRETE SIDEWALK SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS OR AS DESIGNATED BY THE ENGINEER IN ACCORDANCE

WITH CITY STANDARDS, DRAWING NO. R-12 8. CEMENT CONCRETE DRIVEWAYS SHALL BE 6 INCHES THICK AND CONSTRUCTED WHERE SHOWN ON THE PLANS OR DESIGNATED BY THE ENGINEER IN ACCORDANCE WITH THE CITY STANDARDS, DRAWING NO. R-15. A 2- INCH LATER OF 3/4 INCH DRAIN ROCK SHALL BE USED

FOR DRIVEWAY BEDDING 9. CEMENT CONCRETE CURB AND GUTTER SHALL BE CONSTRUCTED WHERE SHOWN ON THE PLANS OR AS DESIGNED BY THE ENGINEER, IN ACCORDANCE WITH WSDOT STANDARDS SPECIFICATIONS, SECTION 8-04 AND CITY OF FERNDALE STANDARDS, DRAWING R-8 AND R-9. HANDICAP RAMPS SHALL BE CONSTRUCTED PER WSDOT STANDARD PLANS F-40. WHERE NEW CEMENT CONCRETE CURB AND GUTTER IS CONNECT TO EXISTING CURB AND GUTTER, ASSURE THAT NO ABRUPT OFFSETS IN LINE OR GRADE SHALL BE CONSTRUCTED WHICH WILL BE UNSIGHTLY OR IMPEDE FLOW IN THE GUTTER LINE.

. SOIL RESIDUAL HERBICIDE SHALL BE PLACED WITHIN 24 HOURS OF PAVING. A TACK COAT OF ASPHALT SHALL BE APPLIED BETWEEN ALL COURSES OF ASPHALT.

ALL PAVEMENT REPAIR SHALL BE SAW-CUT BEFORE REMOVAL. AR-4000W SHALL BE APPLIED TO ALL EDGES OF EXISTING PAVEMENT. WHERE NEWLY CONSTRUCTED PAVING MEETS EXISTING PAVING, THE APPLICANT SHALL PROVIDE A SMOOTH TRANSITION FROM EXISTING TO PROPOSED PAVING. CONTRACTOR SHALL COLD PLANE PER DIMENSIONS SPECIFIED ON THE PLANS, AND INSTALL A MINIMUM 2-FOOT WIDE PETROTAC PAVING FABRIC, OR EQUIVALENT, OVER JOINT BETWEEN PAVING

THRU-CURB BASINS AND THRU-CURB INLETS CONFORMING TO THE WSDOT STANDARD SPECIFICATIONS, SECTION 7-05 SHALL BE CONSTRUCTED AT THE LOW POINT OF THE CURB FLOW LINES AND TO THE LOCATIONS, DIMENSIONS, AND DETAILS AS SHOWN ON THE LANS OR DESIGNATED BY THE ENGINEER AND CITY STANDARDS, DRAWING NO. R-8.

WENCH EXCAVATIONS, BEDDING AND PIPE FOR STORMWATER PIPE LAYING SHALL BE IN ACCORDANCE WITH THE WSDOT STANDARD SPECIFICATIONS, SECTION 7-08. 13. STORM SEWER PIPE CONSTRUCTION REQUIREMENTS SHALL BE IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION, SECTION 7-04.

MATERIAL SHALL BE HANCOR SURE-LOK F477 PIPE OR CITY APPROVED EQUAL. LOTS' STORM DRAIN SERVICE LINE SHALL BE 6" PVC PER WSDOT STANDARD SPECIFICATION, SECTION 9-05.1(5)

14. PERFORATED UNDERDRAIN PIPE SHALL MEET THE WSDOT STANDARD SPECIFICATION 7-01.3(2)

EARTHWORK:

A. THE CONTRACTOR SHALL REMOVE AND REPLACE ALL EXISTING UN-COMPACTED OR POORLY COMPACTED FILL SOILS WITHIN THE ROAD PRISM AT THE DIRECTION OF THE ENGINEER.

THE CONTRACTOR SHALL EXCAVATE AND GRADE TO THE ALIGNMENT, GRADE AND CROSS-SECTIONS SHOWN IN THE PLANS OR ESTABLISHED BY THE ENGINEER. C. UNSUITABLE MATERIAL FOUND AND NOT FIT FOR USE AS A SUB-GRADE SHALL BE EXCAVATED TO THE BOUNDARIES SET BY THE

ENGINEER AND REPLACED WITH A SUITABLE BACKFILL MATERIAL. D. THE ENGINEER IS REQUIRED TO CERTIFY SUBGRADE, IN WRITING, PRIOR TO PAVING.

BASE COURSES AND SURFACING:

DEGRADATION TEST RESULTS TO THE ENGINEER.

A. GRAVEL BASES AND BALLAST MATERIAL GRADATION SHALL MEET WSDOT STANDARD SPECIFICATIONS BALLAST, GRAVEL BASE AND CRUSHED SURFACING SHALL BE COMPACTED TO AT LEAST 95% OF MAXIMUM DRY DENSITY. THE GRADED AND COMPACTED SURFACE OF THE CRUSHED SURFACING TOP COURSE SHALL BE WITHIN 1/2 INCH OF FINISHED GRADE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIAL AND COMPACTION TESTING. PRIOR TO IMPORTING OF MATERIAL FOR BASE AND CRUSHED SURFACING TOP COURSE THE CONTRACTOR SHALL PROVIDE EVIDENCE OF SATISFACTORY PASSING GRADING AND

STORMWATER POLLUNTION PREVENTION PLAN (SWPPP) ELEMENTS:

ELEMENT 1: MARK CLEARING LIMITS

CLEARING LIMITS AREA WILL BE CLEARLY MARKED PRIOR TO BEGINNING LAND DISTURBING ACTIVITIES, WHICH INCLUDES CLEARING AND

WASHINGTON STATE DEPARTMENT OF ECOLOGY BMP'S CONSIDERED FOR ELEMENT #1 INCLUDE:

ELEMENT 2: ESTABLISH CONSTRUCTION ACCESS

BMP C103: HIGH VISIBILITY PLASTIC OR METAL FENCE

ONE CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED USING QUARRY SPALLS TO MINIMIZE THE TRACKING OF SEDIMENT ONTO PUBLIC ROADS. ROADS WILL BE CLEANED THROUGH THE DAY AND AT THE END OF EACH DAY. SEDIMENT TRANSPORTED TO ROADS FROM THE SITE WILL BE SWEPT AND DISPOSED OF AT A CONTROLLED SEDIMENT DISPOSAL AREA ON SITE. IF STREET WASHING IS NEEDED, IT WILL ONLY OCCUR AFTER SEDIMENT HAS BEEN REMOVED AS DESCRIBED. THE RESULTING WASH WASTEWATER WOULD THEN BE DISPOSED OF AT AN

ALL CONSTRUCTION ACCESS POINTS WILL BE RESTORED TO PRE-CONSTRUCTION CONDITION.

WASHINGTON STATE DEPARTMENT OF ECOLOGY BMP'S CONSIDERED FOR ELEMENT #2 INCLUDE: BMP C105: STABILIZED CONSTRUCTION ENTRANCE

BMP C107: CONSTRUCTION ROAD/PARKING AREA STABILIZATION ELEMENT 3: CONTROL FLOW RATES

STORMWATER BMP'S OUTLINED IN THE TESC PLAN AND SWPPP WILL BE INSTALLED AS A FIRST STEP IN CONSTRUCTION AND WILL BE FUNCTIONAL PRIOR TO CONSTRUCTION OF SITE IMPROVEMENTS (E.G. IMPERVIOUS SURFACES). IT IS EXPECTED THAT RAIN AND SNOWMELT WILL INFILTRATE COMPLETELY INTO THE EXISTING SOILS DURING CONSTRUCTION. IF FLOW RATES NEED TO BE CONTROLLED. THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD TO AMEND THE SWPPP AND IDENTIFY APPROPRIATE BMP'S TO CONTROL.

ELEMENT 4: INSTALL SEDIMENT CONTROLS

THROUGHOUT THE CONSTRUCTION PROCESS. SEDIMENTATION SHOULD NOT BE ALLOWED TO ENETER THE THROUGHOUT CONSTRUCTION. CONSTRUCTION OF THE STORMTECH CHAMBERS SHOULD OCCUR NEAR THE END ON STAUDING INFILTRATION CAPACITY OF THE NATIVE SOILS. IF IT IS FOUND THAT MORE CONTROL MEASURES. IMPOUNDED, TEMPORARY ON-SITE INTERCEPTOR DRAINAGE SWALES SHALL BE CONSTRUCTED

SILT FENCING (BMP C233) SHALL BE INSTALLED ALONG THE DOWNSTREAM EDGES OF THE PROJECT AND SHALL

OTHER SEDIMENT CONTROL MEASURES THAT MAY BE IMPLEMENTED ON SITE INCIRC - CONSTRUCTION OF GRAVEL FILTER BERMS (BMP C232) TO RETAIN THOUSENEST FROM RIGHTS WAYS WE MANUCTION TRAFFIC AREAS, IF APPLICABLE

- SILT FENCES WILL BE USED TO CONTROL TRANSPORT OF COURS IS TO THE SITE. INSTALLATION OF SILT FENCES WILL BE DONE AS OUTLINED IN BMP C233 AND WATER TO THE SITE. INSTALLATION OF SILT FENCES WILL BE DONE AS OUTLINED IN BMP C233 AND WATER TO THE SITE. INSTALLATION OF SILT FENCES. VEGETATED STRIPS WILL BE USED WHERE AND PRIATE. IF AS AN EROSION CONTROL MEASURE, THEY WILL BE IMPLEMENTED AS OUTLINED MAN C234.

- STRAW WATTLES MAY ALSO BE CONSIDERED WAT OF THE CONTROL WELL STRAW WATTLES

ARE INSTALLED, THEY WILL BE DONE AS OU WINDED IN BMP CHIE COMBINATION OF THESE BMPS MAY NEED TO BE IN PLANTA TO EFFECTIVE MANAGE THE SITE FOR EROSION CONTROL. EVALUATION OF BMP EFFECTIVENESS AND MAINTENANCE OF THE INSTALLE MILLANDE WILLAND THROUGHOUT CONSTRUCTION. MODIFICATIONS TO THE COMBINATIONS OF BMPS MAY OCCUR AS A RESULT OF ON THE STATE ALUATION.

WASHINGTON STATE DEPARTMENT OF ECOLOGY BMPS CONSIDERATE FOR ELEMENT #4 INCLUDE:

BMP C230: STRAW BALE BARRIER BMP C232: GRAVEL FILTER BERM

BMP C233: SILT FENCE BMP C235: STRAW WATTLES

ELEMENT 5: STABILIZE SOILS

IF CONSTRUCTION OCCURS IN THE WET SEASON (10/1 THROUGH 4/30) SOILS WILL NOT REMAIN EXPOSED THE UNWELL FOR MOTH DAYS. IF IT OCCURS IN THE DRY SEASON (5/1 THROUGH 9/30) SOILS WILL NOT REMAIN E WHEN ACTIVE GRADING IS IN PROGRESS, THE DEADLINE FOR SOIL STABILIZATION MAY BE EXTENDED TO DO DO LIKELIHOOD OF EROSION IMPACTS IS LOW BASED ON THE TYPE AND AMOUNT OF SOIL EXPOSE THE TOPOGRAPHY DISCHARGE TO CRITICAL AREAS AND LAKES, AND OTHER FACTORS, IN ADDITION, WEATHER INCLUDING BEFORE HOLIDAYS AND WEEKENDS FOR PURPOSES OF PREPARING THE BUTELLING FOLLOWING GRADATING ACTIVITIES, THE SITE SOILS SHALL BE STABILIZED BY THE FORM OF THE STABILIZED BY TH EROSIVE FORCES OF RAINFALL, RUNOFF, AND WIND. PLASTIC COVERING SHA

BMPS THAT ARE EFFECTIVE IN STABILIZING SOILS AND PROJECTION THEM TO EXPOSURE CONDITIONS WILL BE IMPLEMENTED THROUGHOUT THE PROJECT EVALUATION AND MONITORINA OF BANK EFFECTIVENESS WILL OCCUR ON A DAILY BASIS BY THE CONTRACTOR AND AS DESCRIBED SECTION 6.2.18 BY THE CESCL. IN ADDITIONAL IN THE EVENT OF FORECASTED PRECIPITATION EVENTS, ADDITIONAL MEASURES OF STANLIZE SOILS WILL BETTAKEN.

I TO TEMPORARY AND PERMANENT SEEDING. BMPS THAT WILL BE CONSIDERED THROUGHOUT ARTHUR BRICS AND MANUAL MARLY APPLICATION OF GRAVEL BASE ON AREAS SODDING, MULCHING, PLASTIC COMPRING, EROSICALINGO TO BE PAVED, AND DUST CAN

NGTON STATE DEPARTMENT OF EXAMPLE OF BANKS CO DANGERED FOR ELEMENT #5 INCLUDE: WASHINGTON STATE DEPART

BMP C121: MULCHIN BMP C122: NETS AND BMP C123: PLASTIC COMPANDED C124: SODDING MINIMP C125: TOP SOILING MIP C130: SURFACE RO

C131: GRADIENT TERMINE

C140: DUST CONTROL

ELEMAN 6: PROTECT SLOPES

THE STEEP SLOPE WHERE THE EMERGENCY OVERFLOW PIPE WILL BE INSTALLED SHALL BE ROUGHENED BY TRACKING PER BMP C130. IF MANY OTHER MAJOR SLOPE IS DISTURBED DURING CONSTRUCTION, IT SHALL BE MULCHED OR HYDRO—SEEDED IMMEDIATELY (WITHIN 24 HOURS) FOLLOWING THE DISTURBANCE.

ELEMENT 7: PROTECT DRAIN INLETS

NEW DRAIN INLETS WILL BE CONSTRUCTED AS PART OF THIS PROJECT. NEW DRAIN INLETS WILL RECEIVE BMP 220. EXISTING DRAIN INLETS IMMEDIATELY DOWNGRADE OF THE PROJECT SITE WILL ALSO RECEIVE BMP 220. PLEASE REFER THE TESC PLAN IN APPENDIX II FOR INLET PROTECTION LOCATIONS.

APPLICABLE BMP'S: BMP C220 - STORM DRAIN INLET PROTECTION

ELEMENT 8: STABILIZE CHANNELS AND OUTLETS

WHILE NOTE ENVISIONED FOR THE PROJECT, IF TEMPORARY ON-SITE CONVEYANCE CHANNELS ARE NECESSARY, THEY WILL BE DESIGNED CONSTRUCTED, AND STABILIZED TO PREVENT EROSION FROM THE EXPECTED FLOW RATE FROM A TYPE1A, 10 YEAR, 24-HOUR FREQUENCY STORM EVENT. BMP C202: CHANNEL LINING WILL BE USED TO DETERMINE THE MOST EFFECTIVE CHANNEL DESIGN FOR THE SITE (I.E. BLANKETS VERSUS RIPRAP). THE DESIGN, CONSTRUCTION AND STABILIZATION OF THE CONVEYANCE CHANNELS WILL BE CONSISTENT WITH THE METHODS OUTLINED IN BMP C202.

WASHINGTON STATE DEPARTMENT OF ECOLOGY BMPS CONSIDERED FOR ELEMENT #8 INCLUDE: BMP C202: CHANNEL LINING

BMP C209: OUTLET PROTECTION

ELEMENT 9: CONTROL POLLUTANTS

WASTE MATERIALS GENERATED ON SITE WILL BE HANDLED AND DISPOSED OF IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF BE CONDUCTED TO MAKE SURE THAT LEAKS OR SPILLS DO NOT OCCUR. ANY LEAKAGE OR SPILLS WILL BE CLEANED UP IMMEDIATELY. A SPILL RESPONSE KIT THAT INCLUDES ABSORBENT MATERIAL WILL BE AVAILABLE ON SITE. USED ABSORBENT MATERIAL WILL BE DISPOSED

MAINTENANCE OF HEAVY EQUIPMENT INVOLVING OIL CHANGES, HYDRAULIC SYSTEM DRAIN DOWN, SOLVENT AND DE-GREASING CLEANING AND/OR OTHER ACTIVITIES THAT MAY RESULT IN DISCHARGE OR SPILLAGE OF POLLUTANTS TO THE GROUND OR INTO STORMWATER RUNOFF WILL BE CONDUCTED WITH SPILL PREVENTION MEASURES IN PLACE, INCLUDING CONDUCTING MAINTENANCE ON A TEMPORARY PAD THAT CAN BE USED TO CAPTURE LARGE SPILLS AND THE USE OF DRIP PANS. IN THE EVENT THAT EMERGENCY REPAIRS NEED TO BE PERFORMED AND CLIMATIC CONDITIONS MAY RESULT IN A PRECIPITATION EVENT PRIOR TO THE REPAIR BEING COMPLETED, THE REPAIR AREA, WHICH INCLUDES THE VEHICLE, WILL BE COVERED WITH TARPS OR OTHER PLASTIC SHEETING.

DISCHARGES, SPILLS, OR LEAKS WILL BE CLEANED IMMEDIATELY. THE NOTIFICATION PROCEDURE OUTLINED IN THE PERMANENT SITE SWPPP IS AS FOLLOWS: - NOTIFY KEY PERSONNEL - DURING CONSTRUCTION, THE PROJECT ENGINEER WILL BE PROVIDING PROJECT OVERSIGHT AND WILL BE CONTACTED IN THE EVENT OF A SPILL. THE PROJECT ENGINEER WILL CONTACT THE SITE OWNER AND THE DEPARTMENT OF ECOLOGY. ANY SPILLS WITH POTENTIAL TO DISCHARGE TO STORM DRAINS, SANITARY SEWER SYSTEM, OR SURFACE WATERS

- ALL SPILLS WILL BE REPORTED TO THE DEPARTMENT OF ECOLOGY, SPILL RESPONSE PROGRAM (425) 649-7000.

WASHINGTON STATE DEPARTMENT OF ECOLOGY BMPS CONSIDERED FOR ELEMENT #9 INCLUDE: BMP C151: CONCRETE HANDLING

WILL BE REPORTED TO CITY OF FERNDALE PUBLIC WORKS.

- BMP C152: SAW CUTTING AND SURFACING POLLUTION PREVENTION - BMP C153: MATERIAL DELIVERY, STORAGE AND CONTAINMENT

ELEMENT 10: CONTROL DE-WATERING

BMP C154: CONCRETE WASHOUT AREA

SITE DE-WATERING IS NOT ANTICIPATED FOR THIS PROJECT. IF DE-WATERING IS FOUND TO BE NEEDED, THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD TO IDENTIFY AN APPROPRIATE DE-WATERING DISCHARGE AND HAVE IT APPROVED BY CITY OF FERNDALE. IF DE-WATERING IS NEEDED NEAR THE END OF CONSTRUCTION, AND THE INFILTRATION CHAMBERS HAVE BEEN CONSTRUCTED, CLEAN SEDIMENT FREE WATER MAY BE DISCHARGED INTO A CATCH BASIN (CB) WHICH CONNECTS TO THE CHAMBERS WITH THE APPROVAL OF THE ENGINEER OF RECORD AND THE CITY. IF THE WATER IS HIGHLY TURBID OR CONTAMINATED, IT SHALL BE COLLECTED AND DISCHARGED AT

OTHER DISPOSAL OPTIONS, DEPENDING ON SITE CONSTRAINTS, MAY INCLUDE: - TRANSPORT OFF SITE IN VEHICLE, SUCH AS A VACUUM FLUSH TRUCK, FOR LEGAL DISPOSAL IN A MANNER THAT DOES NOT - SANITARY SEWER DISCHARGE WITH LOCAL SEWER DISTRICT APPROVAL, OR

- USE OF A SEDIMENTATION BAG WITH OUTFALL TO A CATCH BASIN WHICH DISCHARGES TO ONE OF THE ON-SITE STORMTECH

ELEMENT 11: MAINTAIN BMPS

ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL BMPS WILL BE INSPECTED, MAINTAINED, AND REPAIRED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. MAINTENANCE AND REPAIR SHALL BE CONDUCTED IN ACCORDANCE WITH THE RELEVANT BMP IDENTIFIED IN ELEMENTS #1 THROUGH #13.

CHAMBERS FOR SMALL VOLUMES LOCALIZED DE-WATERING, WITH ENGINEER OF RECORD AND CITY APPROVAL.

TEMPORARY EROSION AND SEDIMENT CONTROLS IDENTIFIED ABOVE WILL BE INSPECTED DAILY DURING THE WET SEASON BY THE CONTRACTOR. NEEDED REPAIRS AND MAINTENANCE WILL OCCUR AS SOON AS PRACTICABLE OR, IN THE EVENT OF A FORECAST OF INCLEMENT WEATHER, REPAIRS AND MAINTENANCE WILL OCCUR PRIOR TO THE ANTICIPATED WEATHER EVENT.

TEMPORARY EROSION AND SEDIMENT CONTROL BMPS WILL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY BMPS ARE NO LONGER NEEDED. TRAPPED SEDIMENT WILL BE REMOVED OR STABILIZED ON SITE. DISTURBED SOIL RESULTING FROM REMOVAL OF BMPS OR VEGETATION SHALL BE PERMANENTLY STABILIZED.

ELEMENT 12: MANAGE THE PROJECT

ONCE EVERY CALENDAR WEEK.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) THIS PROJECT WILL NOT DISTURB MORE THAN 1 ACRE OF LAND, THEREFORE, WILL NOT REQUIRE AN NPDES PERMIT.

CERTIFIED EROSION AND SEDIMENT CONTROL LEAD (CESCL):

IT IS RECOMMENDED, ALTHOUGH NOT REQUIRED, THAT THE PROJECT OWNER OR CONTRACTOR RETAIN A CESCL TO INSPECT ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES, ALL BMP'S, AND ANY STORMWATER DISCHARGE POINT (IF APPLICABLE) AT LEAST

TO THE EXTENT PRACTICABLE, SITE DISTURBANCE AND CONSTRUCTION WILL BE PHASED WHERE FEASIBLE. REVEGETATION OF

EXPOSED AREAS AND MAINTENANCE OF THAT VEGETATION WILL OCCUR AS PART OF THE CLEARING ACTIVITIES. CLEARING AND GRADING ACTIVITIES WILL OCCUR AFTER THE APPLICABLE PERMITS HAVE BEEN OBTAINED. WHEN ESTABLISHING CLEARING AND GRADING AREAS, CONSIDERATION WILL BE GIVEN TO MINIMIZING REMOVAL OF EXISTING TREES AND MINIMIZING DISTURBANCE AND COMPACTION OF NATIVE SOILS EXCEPT AS NEEDED FOR BUILDING PURPOSES. ELEMENT #1 OUTLINES BMPS THAT WILL EFFECTIVELY MINIMIZE REMOVAL AND DAMAGE TO NATIVE VEGETATION AND PROTECT THESE AREAS BY BEING CLEARLY

DELINEATED AND MARKED.

FROM OCTOBER 1 THROUGH APRIL 30, SOILS WILL NOT REMAIN EXPOSED AND UNWORKED FOR MORE THAN 2 DAYS. FROM MAY 1 THROUGH SEPTEMBER 30 SOILS WILL NOT REMAIN EXPOSED AND UNWORKED FOR THAN 7 DAYS. IN ADDITION, WEATHER CONDITIONS WILL CONTINUALLY BE MONITORED INCLUDING BEFORE HOLIDAYS AND WEEKENDS FOR PURPOSES OF PREPARING THE SITE FOR PREDICTED WEATHER CONDITIONS. AS DISCUSSED IN ELEMENT #5, BMPS THAT ARE EFFECTIVE IN STABILIZING SOILS AND PROTECTING THEM FROM EXPOSURE TO RAIN AND WIND OR OTHER CLIMATIC CONDITIONS WILL BE IMPLEMENTED THROUGHOUT THE PROJECT. INSPECTION AND EVALUATION OF THE EFFECTIVENESS OF THE BMPS WILL OCCUR ON A DAILY BASIS BY THE CONTRACTOR. IN ADDITION, IN THE EVENT OF FORECASTED PRECIPITATION EVENTS, ADDITIONAL MEASURES TO STABILIZE SOILS WILL BE TAKEN.

COORDINATION WITH UTILITIES AND OTHER CONTRACTORS
THE STORMWATER MANAGEMENT REQUIREMENTS FOR ALL ASPECTS OF THE CONSTRUCTION PROJECT, INCLUDING UTILITIES, WERE CONSIDERED IN PREPARING THE CONSTRUCTION SWPPP. IT IS UP TO THE CONTRACTOR TO COORDINATE WITH SUB-CONTRACTORS AND OR UTILITY COMPANIES.

AS PREVIOUSLY MENTIONED, ALL BMPS WILL BE INSPECTED, MAINTAINED, AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.

IF INSPECTION AND/OR MONITORING REVEALS THAT THE BMP'S IDENTIFIED IN THIS CONSTRUCTION SWPPP ARE INADEQUATE, DUE TO THE ACTUAL DISCHARGE OF OR POTENTIAL TO DISCHARGE A SIGNIFICANT AMOUNT OF ANY POLLUTANT, THIS SWPPP SHALL BE MODIFIED, AS APPROPRIATE, IN A TIMELY MANNER, WITH NOTICE TO ENGINEER OF RECORD AND CITY OF FERNDALE. MAINTENANCE OF THE CONSTRUCTION SWPPP

THE CONSTRUCTION SWPPP WILL BE RETAINED ON—SITE AND WILL BE UPDATED ON A REGULAR BASIS BY EITHER THE OWNER OR A

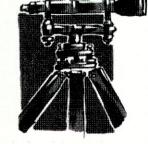
DESIGNATED REPRESENTATIVE. A LOG WILL BE ATTACHED TO THE CONSTRUCTION SWPPP TO FACILITATE REGULAR UPDATES. MODIFICATIONS TO THE CONSTRUCTION SWPPP WILL BE MADE WHENEVER THERE IS A SIGNIFICANT CHANGE IN THE DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE OF ANY BMP.

ELEMENT 13: PROTECT LOW IMPACT DEVELOPMENT BMP'S

NO LID BMP'S ARE PROPOSED AT THIS TIME.

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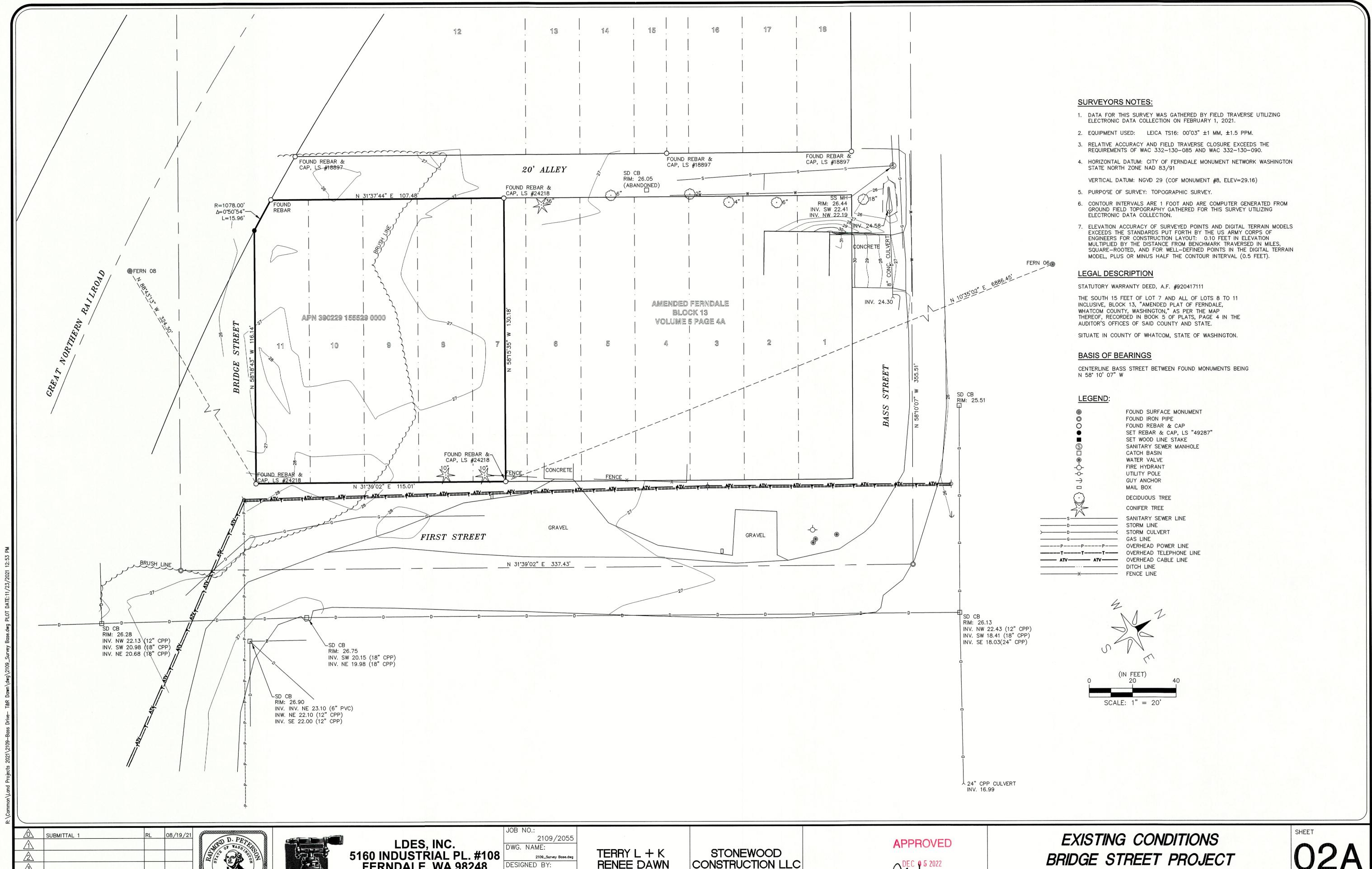
LDES, INC. 5160 INDUSTRIAL PL. #1082055_CIVII-C3D18_combined-ASBUILTS.dwg FERNDALE, WA 98248 PHONE 360-383-0620 FAX 360-383-0639

2109/2055 DWG. NAME: DESIGNED BY: DRAWN BY: CHECKED BY:

TERRY L + K RENEE DAWN 5340 MARKET RD BELLINGHAM, WA 98226

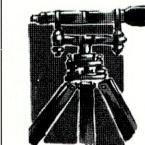
STONEWOOD CONSTRUCTION LLC PO BOX 33 FERNDALE. WA 98248

CITY OF FERNDALE GENERAL NOTES STORMWATER POLLUTION PREVENTION PLAN



BY DATE

REVISION



5160 INDUSTRIAL PL. #108 FERNDALE, WA 98248 PHONE 360-383-0620 FAX 360-383-0639 CHECKED BY:

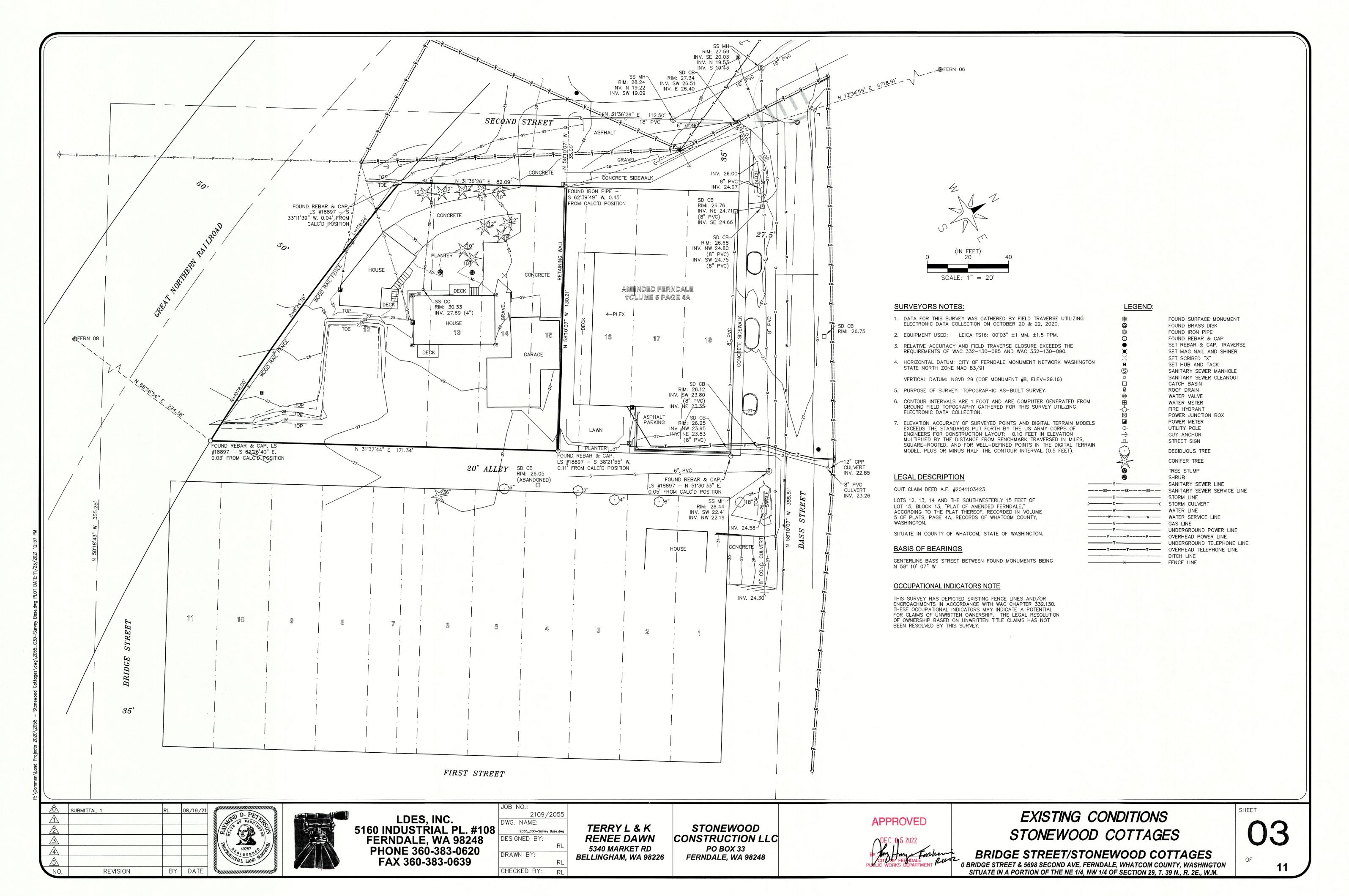
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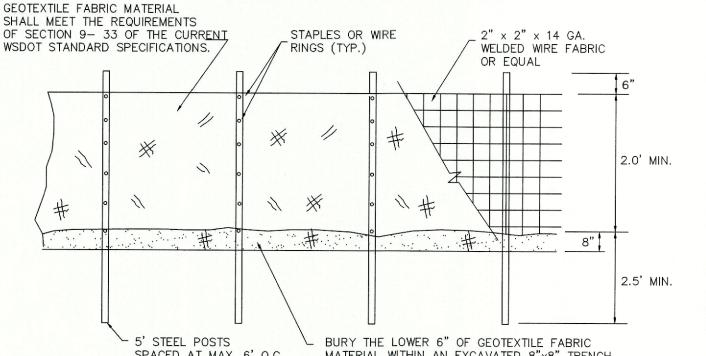
CONSTRUCTION LLC PO BOX 33 FERNDALE, WA 98248



BRIDGE STREET PROJECT







SPACED AT MAX. 6' O.C. MATERIAL WITHIN AN EXCAVATED 8"x8" TRENCH ON THE UPHILL SIDE OF THE FENCE. FILL THE TRENCH WITH 0.75" TO 1.50" WASHED GRAVEL BACKFILL

GENERAL NOTES: 1. ANY DAMAGE TO FENCING SHALL BE REPAIRED IMMEDIATELY.

NOT TO SCALE

- 2. IF CONCENTRATED FLOWS ARE EVIDENT UPHILL OF THE FENCE, THEN THE WATER MUST BE INTERCEPTED AND CONVEYED TO A FULLY-FUNCTIONING SEDIMENT TRAP, POND, OR CONVEYANCE SYSTEM.
- 3. IT IS IMPORTANT TO PERIODICALLY CHECK THE UPHILL SIDE OF FENCING FOR SIGNS OF CLOGGING. IF CLOGGING OCCURS, THE FENCE WILL ACT AS A BARRIER TO FLOW AND WILL CAUSE CHANNELIZATION PARALLEL TO THE FENCE. TO REMEDY THIS THE CONTRACTOR SHALL REPLACE THE FENCE AND/OR REMOVE THE TRAPPED SEDIMENT.
- 4. SILT FENCING SHALL BE CONSTRUCTED DIRECTLY AFTER CLEARING AND GRUBBING IS COMPLETE. THE FENCE SHALL ONLY BE REMOVED WHEN CONSTRUCTION OF UTILITIES DEEMS IT ABSOLUTELY NECESSARY. IMMEDIATELY AFTER UTILITIES ARE IN-PLACE, THE SILT FENCING SHALL BE RECONSTRUCTED.

SILT FENCE DETAIL - BMP C233

4"-8" QUARRY SPALLS R = 25' MIN. -12" MIN.

> NON-WOVEN GEOTEXTILE STABILIZATION FABRIC, OF THE CURRENT WSDOT STANDARD SPECIFICATIONS. INGRESS/EGRESS AREA

THICKNESS

GENERAL NOTES:

1. IF THE ENTRANCE IS NOT PREVENTING SEDIMENT FROM BEING TRACKED ONTO SURROUNDING FACILITIES, THEN ALTERNATIVE MEASURES TO KEEP THE FACILITIES FREE OF SEDIMENT SHALL TO USED. THIS MAY INCLUDE STREET SWEEPING OR UPSIZING THE DIMENSIONS OF THE ENTRANCE.

ANY SEDIMENT THAT IS TRACKED ONTO PAVEMENT SHALL BE REMOVED IMMEDIATELY BY SWEEPING. THE SEDIMENT COLLECTED BY SWEEPING SHALL BE REMOVED OR STABILIZED ON-SITE. THE PAVEMENT SHALL NOT BE CLEANED BY WASHING, EXCEPT WHEN SWEEPING IS INEFFECTIVE AND THERE IS A THREAT TO PUBLIC SAFETY. IF IT IS NECESSARY TO WASH PAVEMENT, A SMALL SUMP OR POND SHALL BE CONSTRUCTED AND THE SEDIMENT SHALL BE CONVEYED INTO THE SUMP OR POND.

QUARRY SPALL CONSTRUCTION ENTRANCE DETAIL - BMP C105 NOT TO SCALE

CITY OF FERNDALE TESC NOTES:

- 1. STABILIZATION & SEDIMENT TRAPPING. ALL EXPOSED SOILS SHALL BE STABILIZED BY SUITABLE APPLICATION OF BMP'S. FROM OCTOBER 1 TO APRIL 30, NO SOILS SHALL REMAIN UNDER THE POPULATION OF BMP'S. MORE THAN 2 DAYS. FROM MAY 1 TO SEPTEMBER 30, NO SOILS SHALL REMAIN EXPLOSE THAN 7 DAYS. PRIOR TO LEAVING THE SITE, STORMWATER RUNOFF SHALL PASS AND UGH A SEDIMENT POND, TRAP OR OTHER APPROPRIATE BMP. 2. DELINEATE CLEARING & EASEMENT LIMITS. IN THE FIELD, STAKE AND TOWNS CLEAR ANY EASEMENTS, SETBACKS, SENSITIVE/CRITICAL AREAS AND THIER BUTTERS, THE S AND PROPERTY OF THE STATE OF THE S
- PROTECTION OF ADJACENT PROPERTIES. PROPERTIES AND ADJACENT VIOLET PROTECTED FROM SEDIMENT DEPOSITION. TIMING & STABILIZATION OF SEDIMENT TRAPPING WRES. SEDIMENT PO DIKES, SEDIMENT BARRIERS, AND OTHER BURNEY TO TRANSPORMENT CONSTRUCTED AS A FIRST STEP IN THE
- BE SEEDED AND MULCHED AC CORNING TO THE TIMING INDICATED IN NON AB CUT & FILL SLOPES. WILL MINIMIZE EROSANINIMAT MATERIAL BENEFICIAL ACCORDANCE WITH NO. 1 ABOVE.

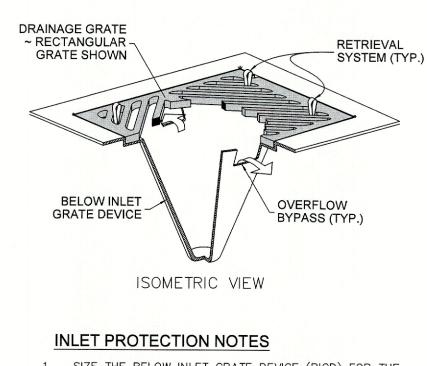
 STREAM FROM THE DEVELOPMENT CONTROLLING
- THE VOLUME, VELOCITY, AND PEAK STORMWATER FUNOR FROM THE PROJECT SITE.

 TEMPORARY CONTROL FROM THE PROJECT SITE.

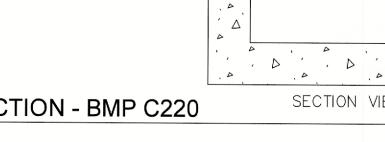
 WE TEMPORARY CONTROL FROM THE PROJECT SITE.

 WE TEMPORARY ON—SITE

 TEMPORARY ON—SI STABILIZATION (W CONVEYANCE N THE EXPECTED OF FALL OCITY OF FALL CONDITION. ZATION ADAMOUATE PREVENT EROSION OF OUTLETS, ADJACENT STREAMBANKS. SLOPES AND DOWNSTREAM RELIEBES SHALL BE PROVIDED AT THE OUTLETS OF ALL CONVEYANCE
- SYSTEMS. MINITURE TION. ALL STORM DRAIN INLETS MADE OPERABLE DURING CONSTRUCTION 8. STORM DRAIN INL SHALL BE PROTECTIONS THAT STORMWATER RUNOFF SHALL NOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.
- UNDERGROUND UTILITY CONSTRUCTION. THE CONSTRUCTION OF UNDERGROUND UTILITY LINES SHALL BE SUBJECT TO THE FOLLOWING CRITERIA; WHERE FEASIBLE, NO MORE THAN 500 FEET OF TRENCH SHALL BE OPENED AT ONE TIME; WHERE CONSISTENT WITH SAFETY AND SPACE CONSIDERATIONS, EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES; AND TRENCH DEWATERING DEVICES SHALL DISCHARGE INTO A SEDIMENT TRAP OR SEDIMENT POND.

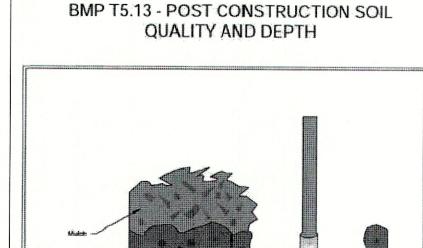


- SIZE THE BELOW INLET GRATE DEVICE (BIGD) FOR THE STORM WATER STRUCTURE IT WILL SERVICE.
- THE BIGD SHALL HAVE A BUILT-IN HIGH-FLOW RELIEF SYSTEM (OVERFLOW BYPASS).
- THE RETRIEVAL SYSTEM MUST ALLOW REMOVAL OF THE BIGD WITHOUT SPILLING THE COLLECTED MATERIAL.
- PERFORM MAINTENANCE IN ACCORDANCE WITH STANDARD SPECIFICATION 8-01.3(15).



STORM DRAIN INLET PROTECTION - BMP C220 NOT TO SCALE

Planting Bed Cross-Section



ALL AREAS SUBJECT TO CLEARING AND GRADING THAT HAVE NOT BEEN COVERED BY IMPERVIOUS SURFACE, INCORPORATED INTO A DRAINAGE FACILITY OR ENGINEERED AS STRUCTURAL FILL OR SLOPE SHALL, AT PROJECT COMPLETION, SHALL DEMONSTRATE THE FOLLOWING: SOIL QUALITY:
A TOPSOIL LAYER WITH A MINIMUM ORGANIC MATTER CONTENT OF

DRAINAGE GRATE -

FILTERED WATER

, D

SECTION VIEW

OVERFLOW

BELOW INLET

GRATE DEVICE

GRATE FRAME -

SEDIMENT AND DEBRIS -

AREAS, AND A PH FROM 6.0 AND 8.0 OR MATCHING THE DH OF THE WINDISTU SOIL USE COMPOST AND OTHER MATERIALS THAT MEET THE A SOIL DEPTH:
THE TOPSOIL LAYER SHALL HAVE A MINIMAL PEPTH OF BUTHT INTHES EXCEPT
WHERE TREE ROOTS LIMIT THE DEPARTMENT OF WAR ENDMENTS
NEEDED TO MEET THE CRITERIA. SUBSOIL SHELOW THE TURSOIL LAYER
SHOULD BE SCARIFIED AT LEAST 4 INCHES WITH SOME INCURPORATION OF THE
UPPER MATERIAL TO AVAID STRATIFIED LAYERS WHERE FIXEBLE.
BEDS SHOULD HAVE 2 WHERE OF ORGANIC MATERIAL AS WELL.

WEIGHT IN PLANTING BEDS. AND 5% ORGANIC MATTER CONTENT

MUST MERTITHE DEFINITIONAL COMPOSTED MATERIAL" IN WAC 173-350-100 MUST MEETINE DEFINITION OF COMPOSTED MATERIAL" IN WAC 173-350-100
AND COMPLINES WITH THE TIND MARAMETERS AND OTHER STANDARDS IN WAC
173-350-200 MUST BE RECOULDED A PERMITTED COMPOSTING FACILITY.
ORGANIO WATTER CONTENT THAN 15:1. THE C:N RATIO MAY BE UP TO 35:1
FOR PLAN WAS COMPOSED ENTIRED OF PUGET SOUND LOWLAND NATIVE
TPECIES AND UP TO 40 FOR COARSE COMPOST TO BE USED AS A SURFACE
WANTED TO THE COMPOST TO BE USED AS A SURFACE INCLEMENTATION OPTIONS

ANNUAL MUCH NATIVE VEGETATION AND SOIL AS POSSIBLE AND PROTECT ROM STANDPACTION DURING CONSTRUCTION. AMEND EXISTING SITE TOPSOIL OR SUBSOIL EITHER AT DEFAULT RATES OR AT A CUSTOM CALCULATED RATES BASED ON TESTS OF THE SOIL AND

3) IN AREAS REQUIRING CLEARING AND GRADING REMOVE AND STOCKPILE THE DUFF LAYER AND TOPSOIL ON SITE IN A DESIGNATED, CONTROLLED AREA, NOT ADJECT TO PUBLIC RESOURCES AND CRITICAL AREAS. REPLACE IT PRIOR TO NOT TO SCALE PLANTING AND AMEND IF NEEDED TO MEET THE ORGANIC MATTER OR DEPTH

4) IMPORT TOPSOIL MIX OF SUFFICIENT ORGANIC CONTENT AND DEPTH TO MEET THE REQUIREMENTS. Revised January 2016 MORE THAN ONE METHOD MAY BE USED ON DIFFERENT PORTIONS OF THE SAME

EROSION AND SEDIMENT

- EROSION CONTROL METHODS AND MATERIALS SHALL MEET THE REQUIREMENTS OF SECTION 8-01 OF THE CURRENT WSDOT/APWA STANDARD SPECIFICATIONS, THE REQUIREMENTS SET FORTH IN VOLUME II OF THE "STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON BY THE WASHINGTON STATE DEPARTMENT OF ECOLOGY, CURRENT EDITION, THE CITY OF FERNDALE DEVELOPMENT STANDARDS, THE PROJECT SWPPP AND THIS PLAN, WITH THE MOST EFFECTIVE REQUIREMENTS TAKING PRECEDENCE. THE CONTRACTOR SHALL FOLLOW
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PREVENT SILTY STORMWATER FROM EXITING THE SITE. IF SILT LADEN STORMWATER EXITS THE SITE, THE ENGINEER SHALL STOP WORK ON THE JOB. IT IS THE CONTRACTOR'S RESPONSIBILITY TO WORK WITH THE PROJECT ENGINEER OR LOCAL JURISDICTION TO COORDINATE FURTHER EROSION CONTROL MEASURES, NOT SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN, THAT MAY BE NECESSARY TO
- THE EXISTING AND PROPOSED STORM SYSTEMS SHALL BE CLEANED AND MAINTAINED
- AT THE END OF ALL SITE CONSTRUCTION, THE CONTRACTOR SHALL FLUSH OUT ALL DEBRIS FROM THE STORM SYSTEM INSTALLED ON-SITE. MATERIAL FLUSHED FROM THE STORM SYSTEM SHALL BE DISPOSED OF BY THE CONTRACTOR AT AN APPROVED DISPOSAL SITE.



WHAT ISIONS MUST BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT (MUD) ONTO THE PAVED ROAD. IF SEDIMENT IS THAN SPORTED ONTO A ROAD SURFACE, THE ROADS SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SECULENT SHALL BE REMOVED FROM ROADS BY SHOVELING OR SWEEPING AND BE TRANSPORTED TO A CONTROLLED STRUCK OF THE STRUCK OF THE SECULENT OF THE SECURE OF THE SECULENT OF THE SEC REMANDAL OF TEMPORARY BMP'S. ALL TEMPORARY EROSION AND SEDIMENT CONTROL BMP'S SHALL BE REMOVED WITHIN DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER TEMPORARY BMP'S ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON SITE. DISTURBED SOIL AREAS RESULTING FROM REMOVAL SHALL BE DEWATERING CONSTRUCTION SITES. DEWATERING DEVICES SHALL DISCHARGE INTO A SEDIMENT TRAP OR SEDIMENT POND.

CONTROL OF POLLUTANTS OTHER THAN SEDIMENT ON CONSTRUCTION SITES. ALL POLLUTANTS OTHER THAN SEDIMENT THAT OCCUR ON-SITE DURING CONSTRUCTION SHALL BE HANDLED AND DISPOSED OF IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORMWATER. MAINTENANCE. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL BMP'S SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. FINANCIAL LIABILITY. PERFORMANCE BONDING, OR OTHER APPROPRIATE FINANCIAL INSTRUMENTS, SHALL BE REQUIRED FOR ALL PROJECTS TO ENSURE COMPLIANCE WITH THE APPROVED TESC PLAN.

STRUCTION ACCESS RIVERS. WHEREVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED ROADS,

ALL SITE GRADING SHALL BE COMPLETED IN ACCORDANCE WITH APPENDIX J OF THE CURRENT, INTERNATIONAL BUILDING 17. SITE GRADING SHALL BE MONITORED BY GEOTEST SERVICES TO ENSURE THE FILLS WERE PERFORMED AND RECORDED PER APPENDIX J NOTED IN THE ABOVE COMMENT. WORK PERFORMED OUTSIDE CITY RIGHT-OF-WAY ON PRIVATE PROPERTY REQUIRES PROJECT CERTIFICATION BY THE ENGINEER OF RECORD. THE ENGINEER OR RECORD SHALL DETERMINE AN INSPECTION SCHEDULE TO BE CARRIED OUT BY

19. FOR PROJECT ACCEPTANCE THE ENGINEER OF RECORD IS REQUIRED TO SUBMIT A FINAL AS-BUILT GRADING PLAN FOR CITY REVIEW AND APPROVAL THAT INCLUDES THE FOLLOWING STATEMENT: AS THE ENGINEER OF RECORD, I HEREBY CERTIFY THAT THE IMPROVEMENTS COMPLETED AT 5698 SECOND AVENUE HAVE BEEN CONSTRUCTED IN CONFORMANCE WITH THE PLANS APPROVED BY THE PUBLIC WORKS DIRECTOR AND IN ACCORDANCE WITH THE SPECIFICATIONS ADOPTED BY THE CITY OF FERNDALE. A STORMWATER MAINTENANCE PLAN MUST BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL AT PROJECT COMPLETION INCLUDING AN 11X17 AS-BUILT DRAWING OF THE STORMWATER FACILITIES IN CONFORMANCE WITH THE

ATTACHED STORMWATER MAINTENANCE MANUAL CHECKLIST FOR THE CONVEYANCE SYSTEM LOCATED OUTSIDE CITY R/W

HIMSELF OR HERSELF AND/OR QUALIFIED DESIGNEE INCLUDING GEOTECHNICAL INSPECTIONS AND DOCUMENTATION

- RECOMMENDATIONS MADE BY SUPPLIERS AND MANUFACTURERS FOR ALL MATERIALS AND
- THROUGHOUT CONSTRUCTION AND UNTIL ALL ON-SITE SOILS HAVE BEEN STABILIZED.

| SINIEL SIGNIFICE THIS IT SEDIMENT THE | | | | | |
|---------------------------------------|-------------|--|----|----------|--|
| \triangle | SUBMITTAL 1 | | RL | 11/08/21 | |
| \triangle | SUBMITTAL 2 | | RL | 12/07/21 | |
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BY DATE

REVISION





LDES, INC. 5160 INDUSTŘIAL PL. #10 FERNDALE, WA 98248 PHONE 360-383-0620 FAX 360-383-0639

THAT MUST BE PRIVATELY MAINTAINED.

PERMANENTLY STABILIZED.

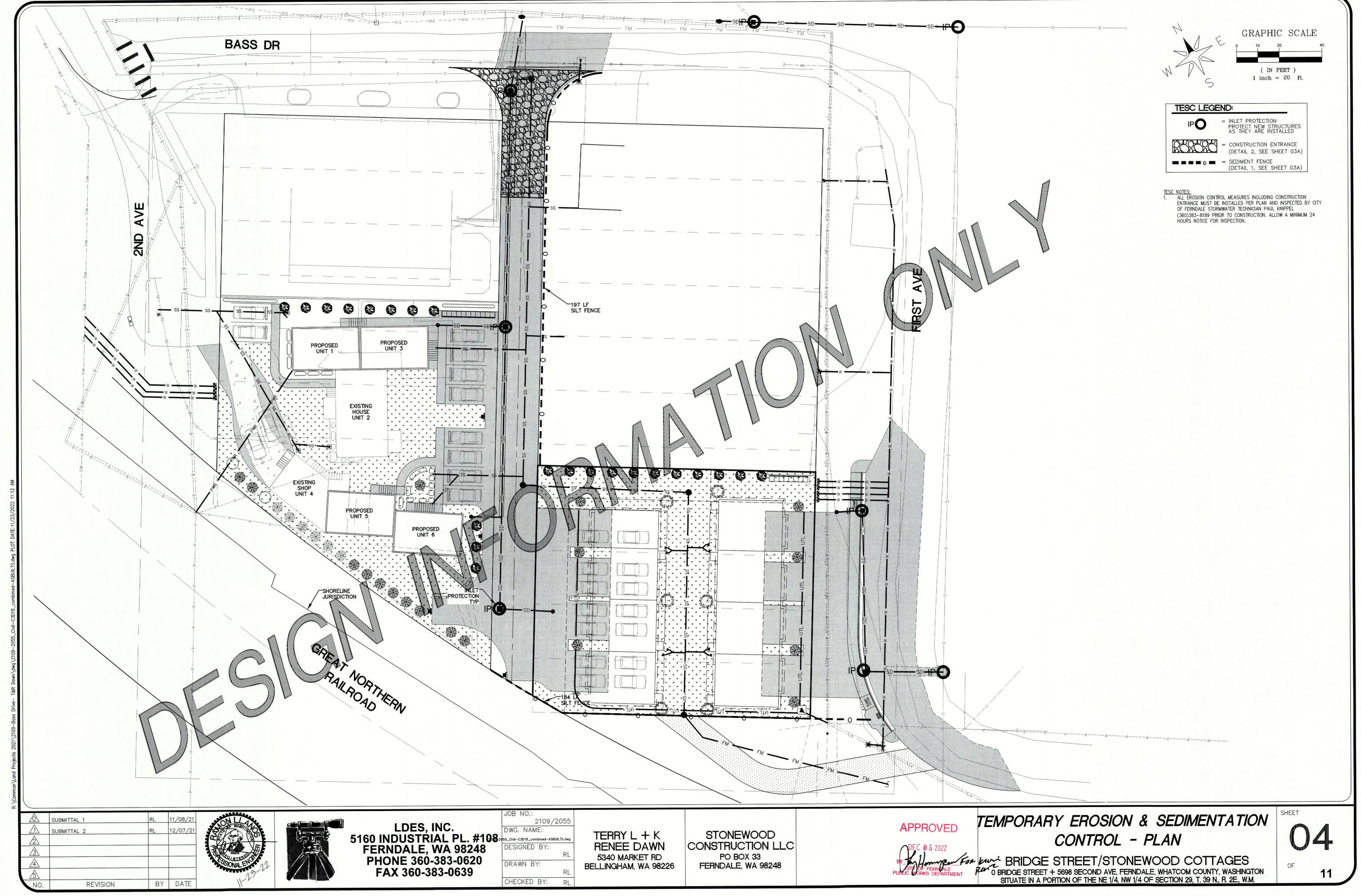
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| | | RL | |
| | DRAWN BY: | | |
| | | RL | |
| | CHECKED BY: | RL | |

TERRY L + K RENEE DAWN 5340 MARKET RD BELLINGHAM, WA 98226

STONEWOOD CONSTRUCTION LLC PO BOX 33 FERNDALE, WA 98248

TEMPORARY EROSION & SEDIMENTATION CONTROL - DETAILS

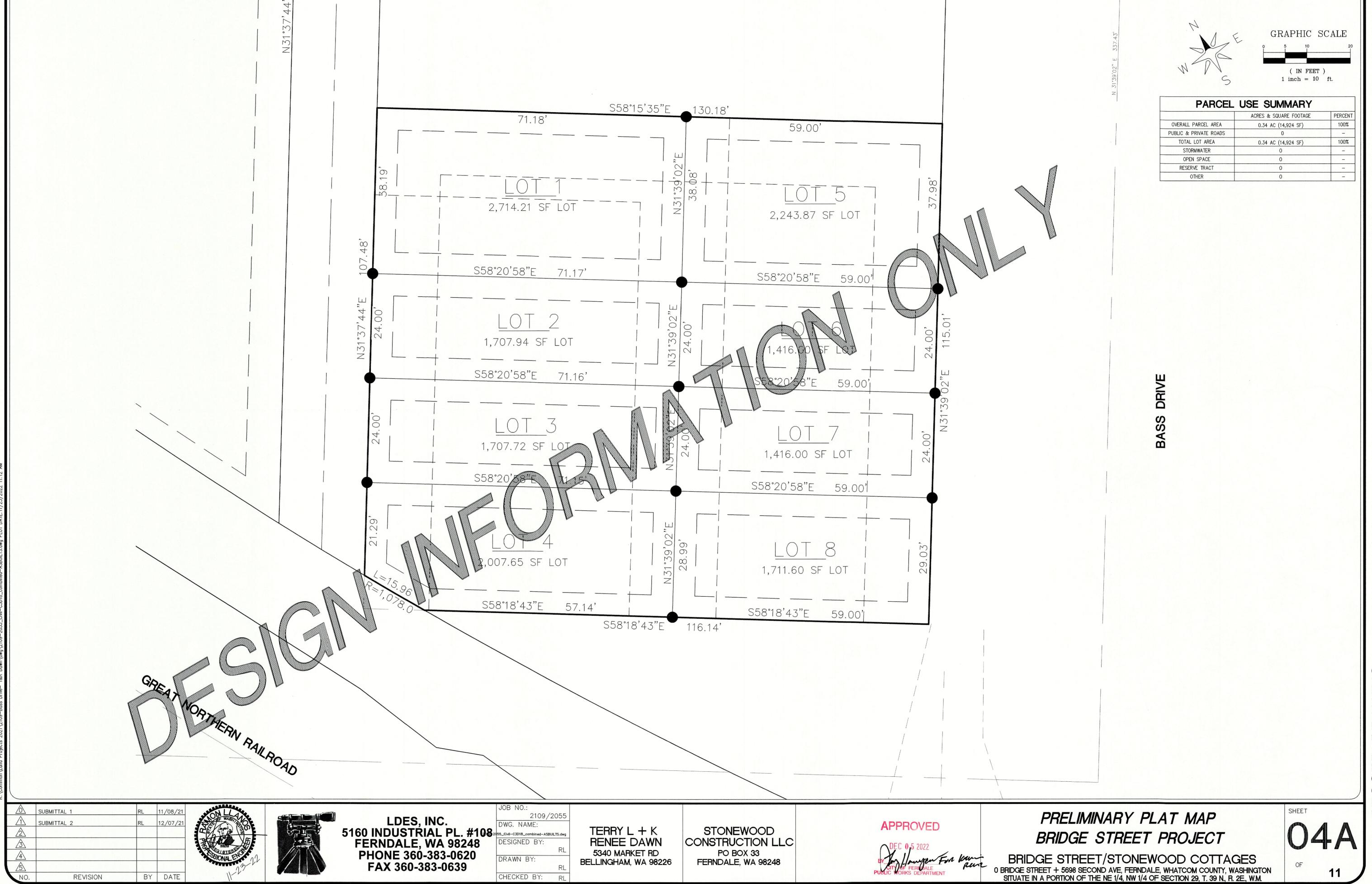




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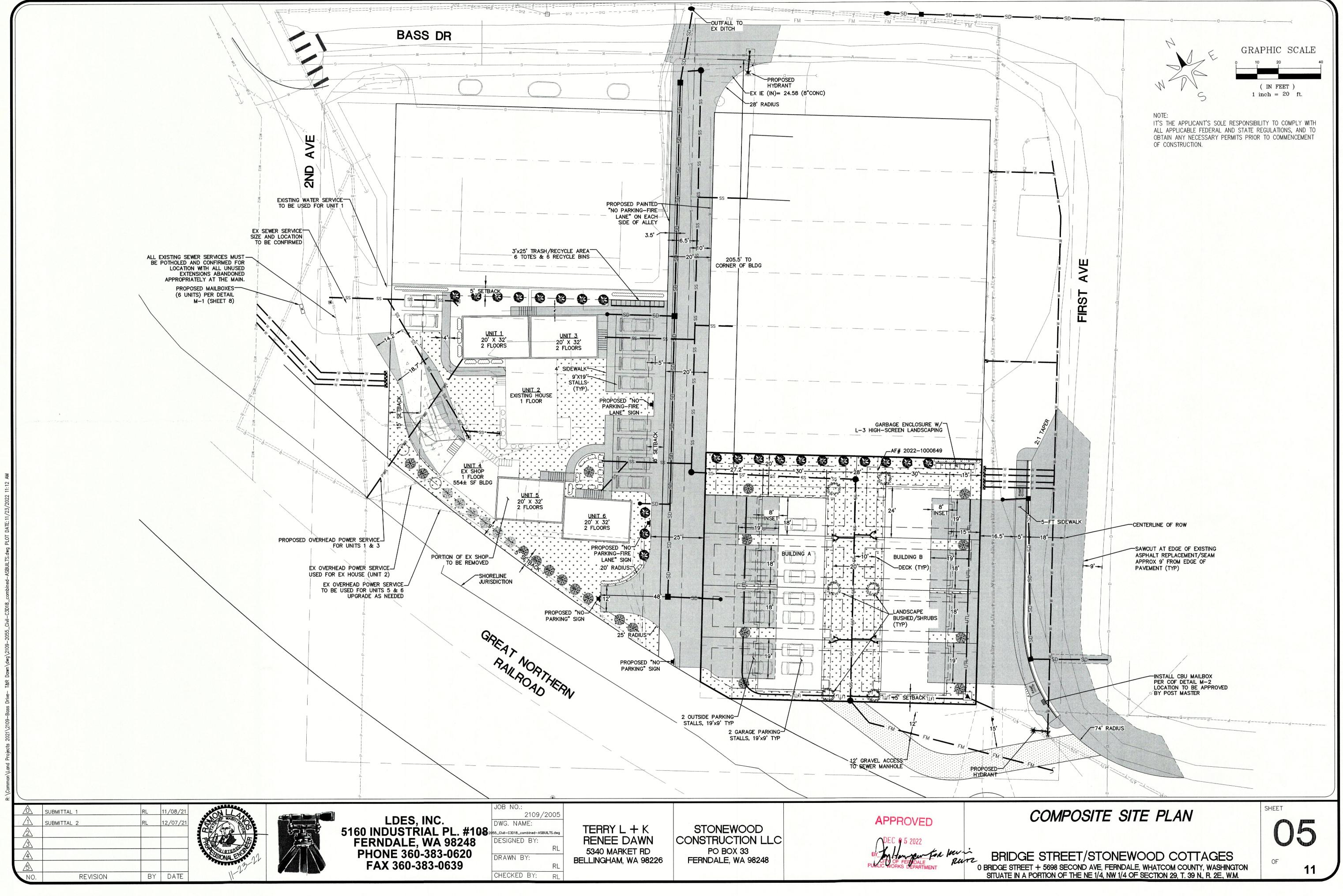
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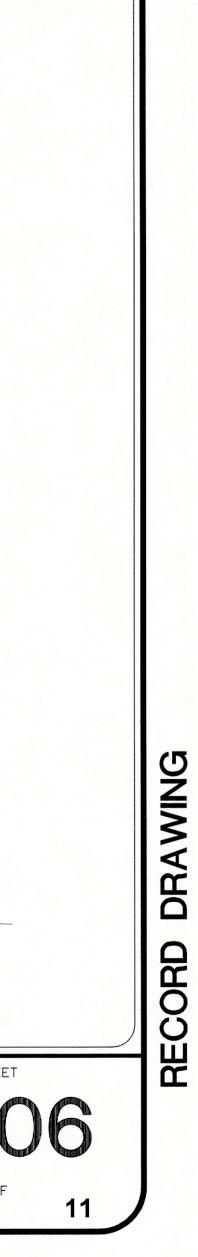


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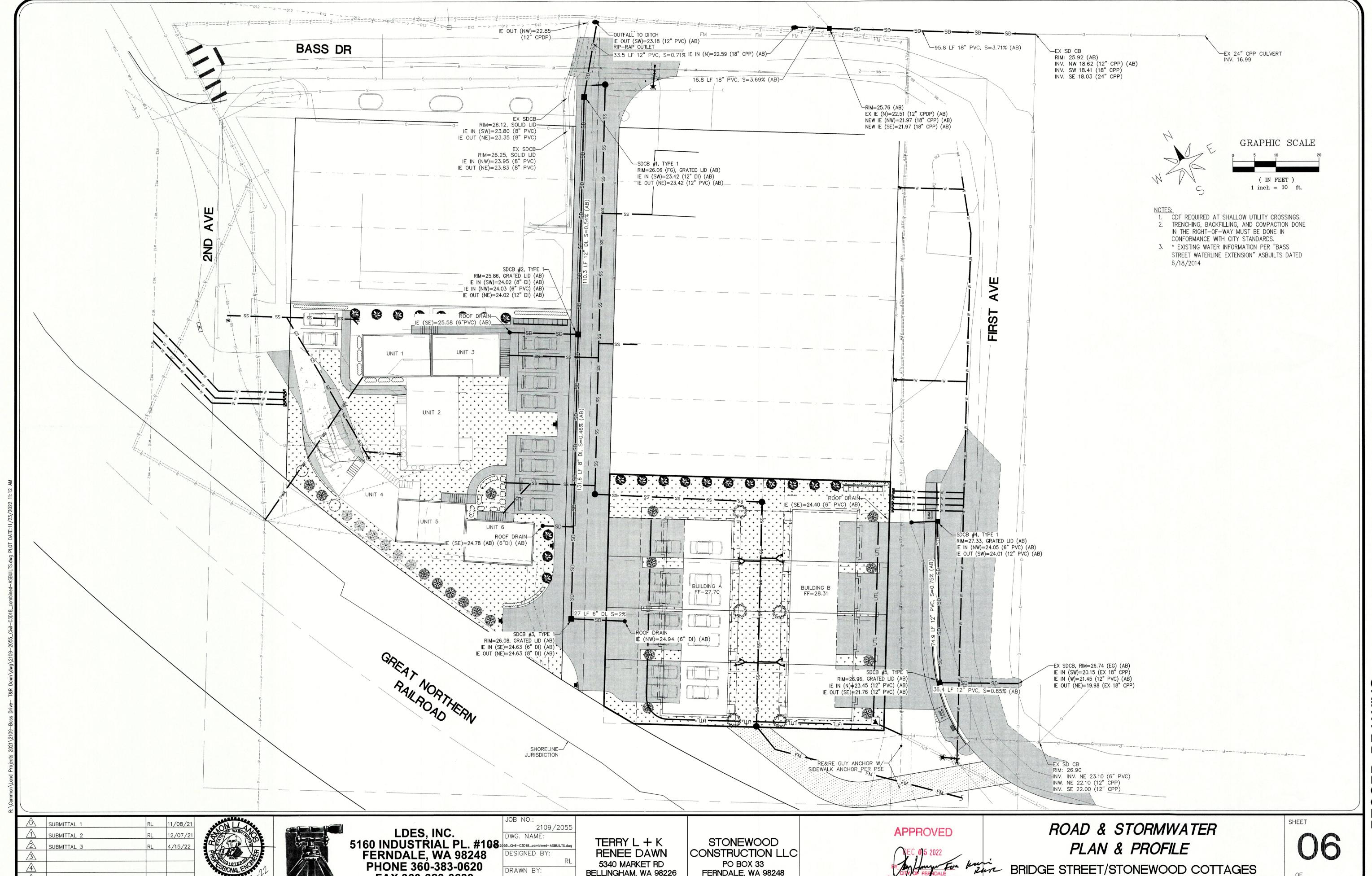
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O BRIDGE STREET + 5698 SECOND AVE, FERNDALE, WHATCOM COUNTY, WASHINGTON SITUATE IN A PORTION OF THE NE 1/4, NW 1/4 OF SECTION 29, T. 39 N., R. 2E., W.M.



BELLINGHAM, WA 98226

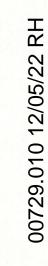
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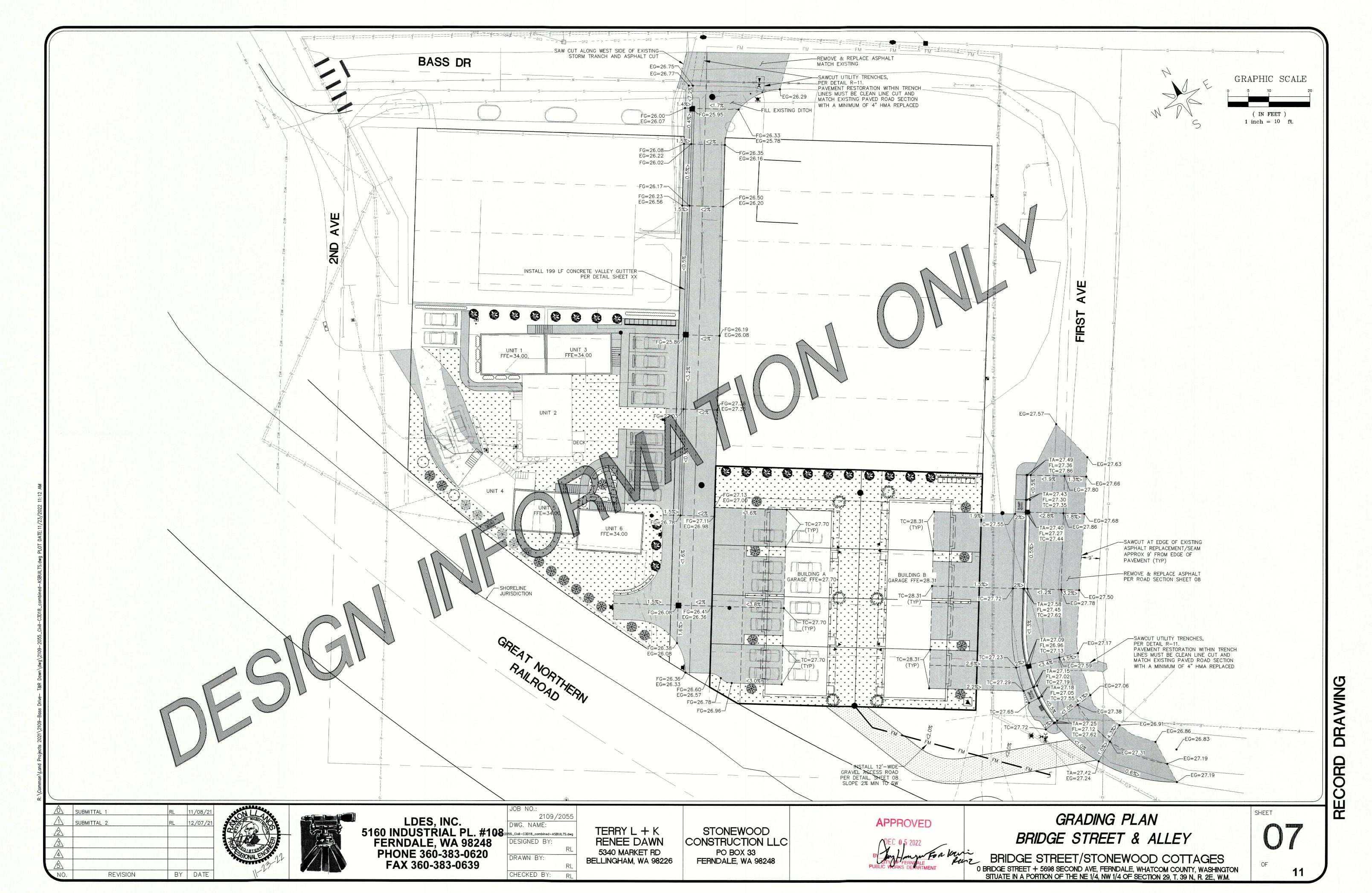
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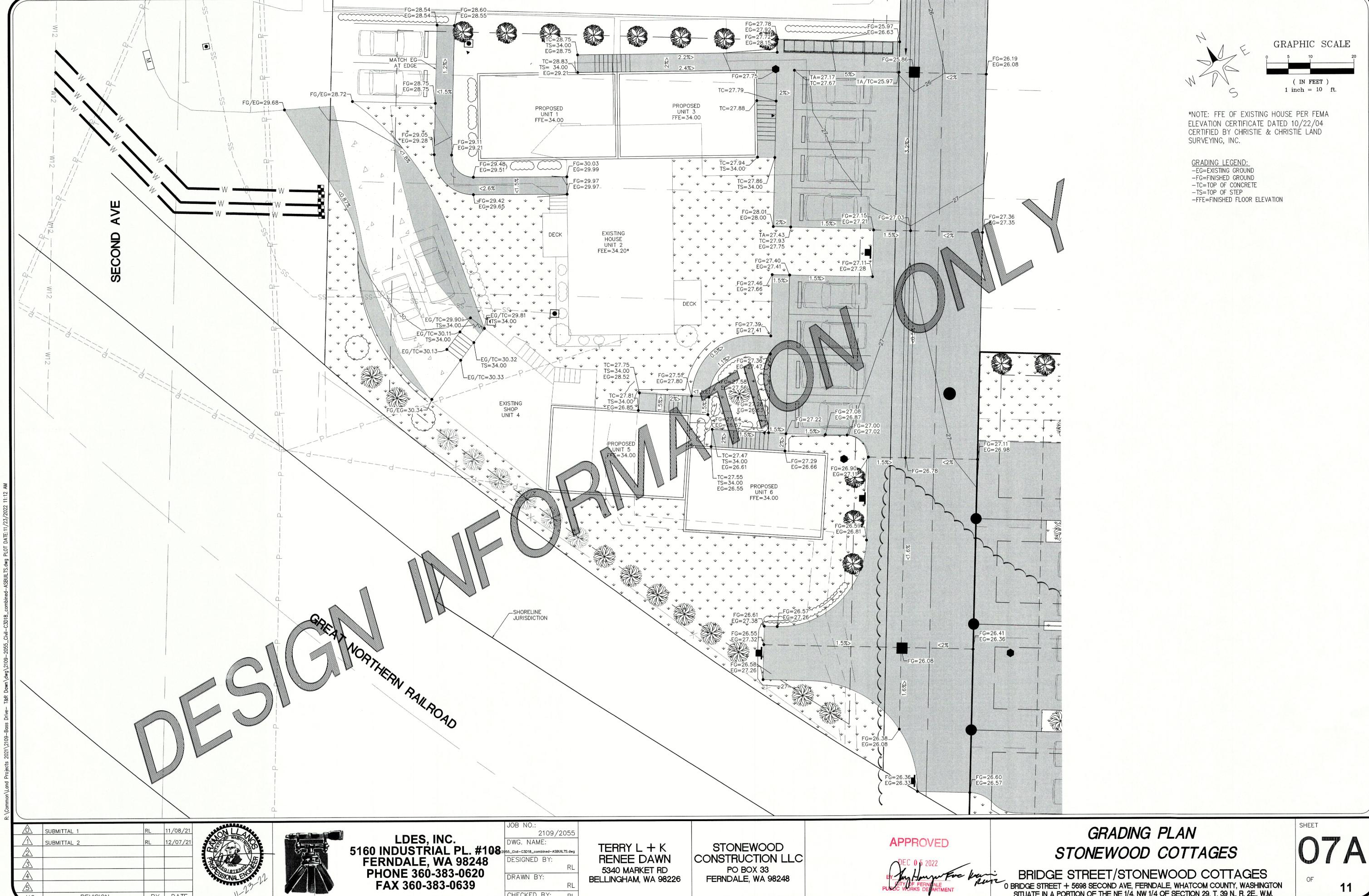
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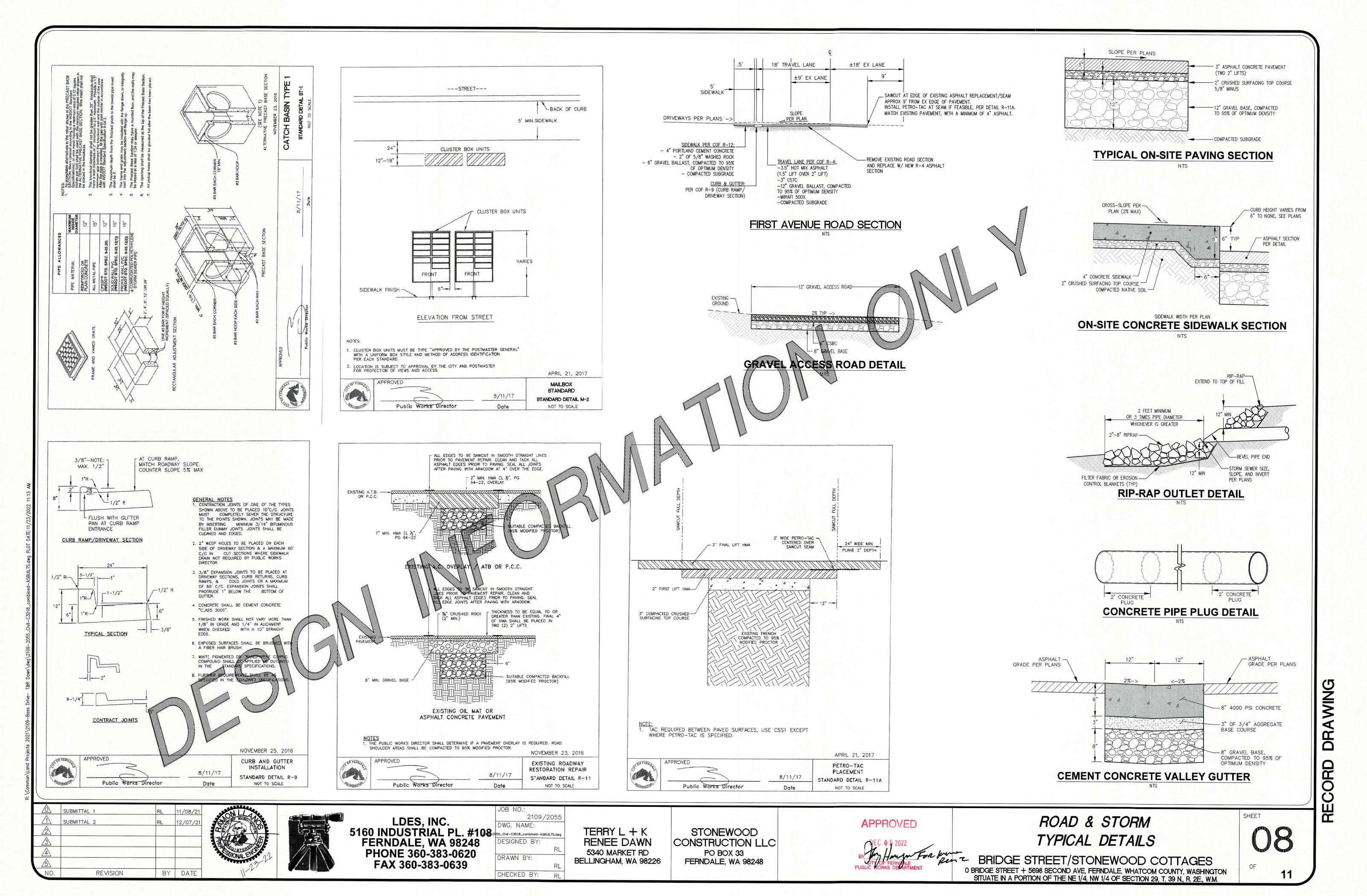


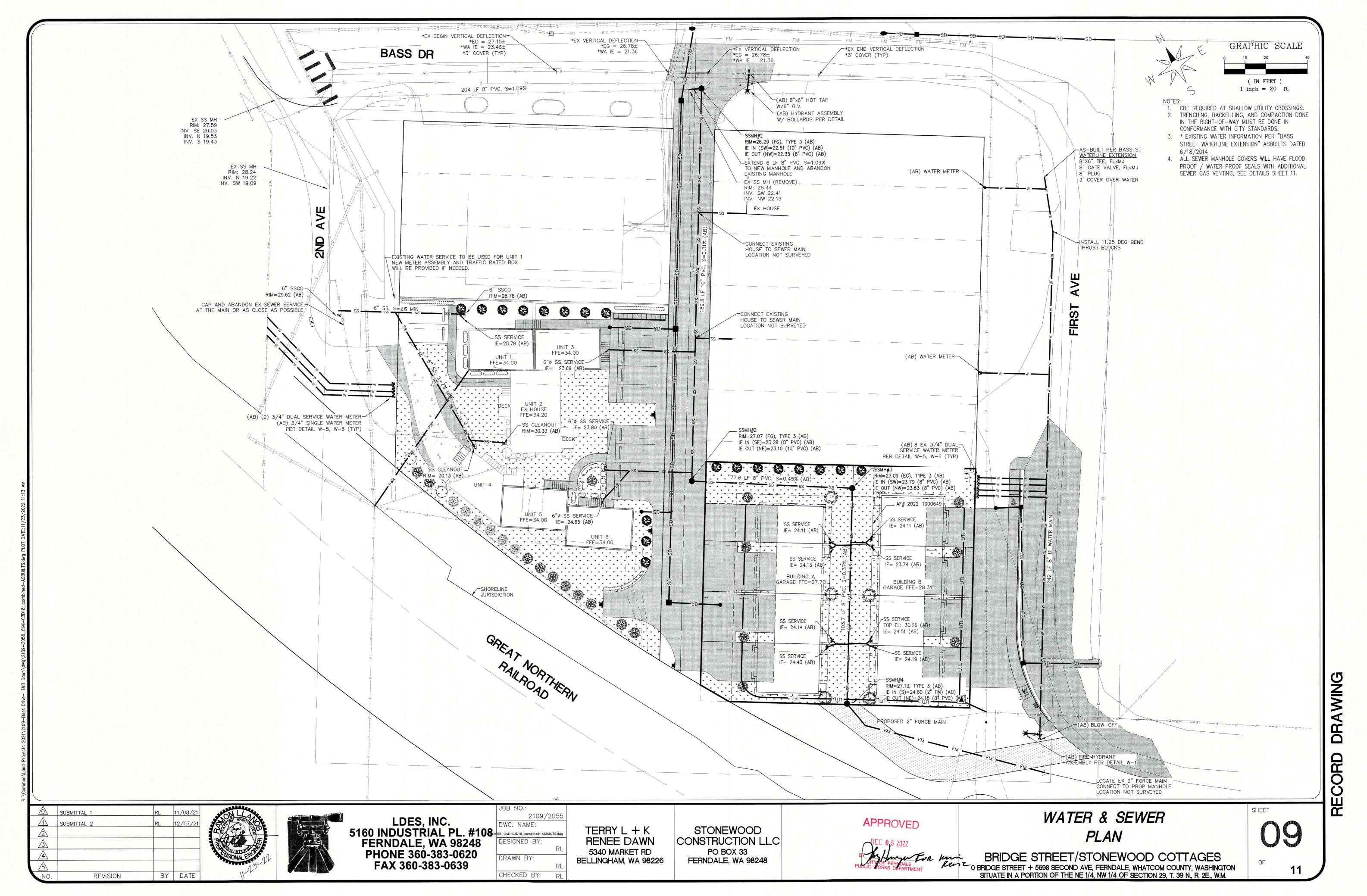


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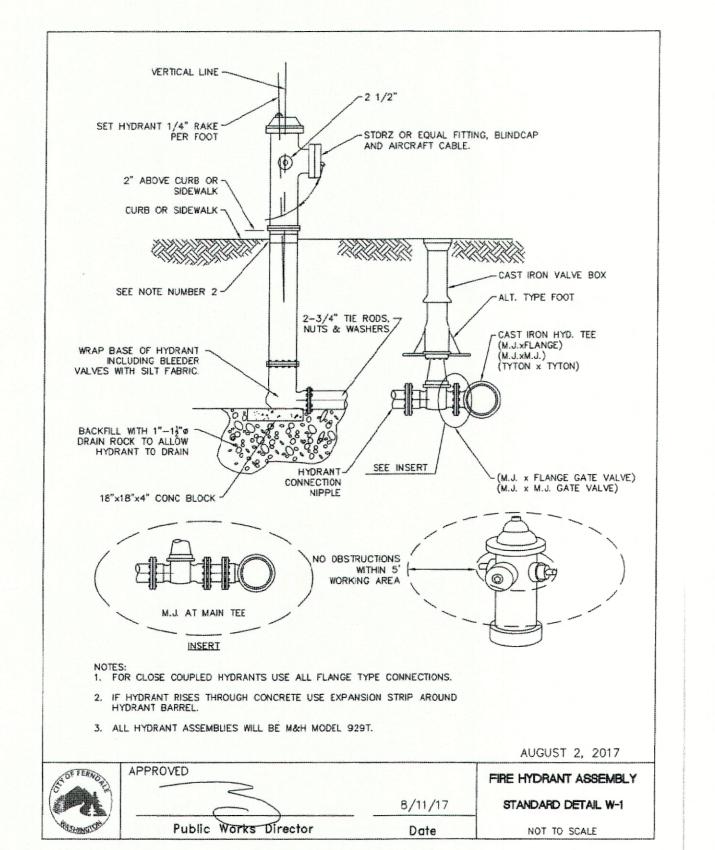
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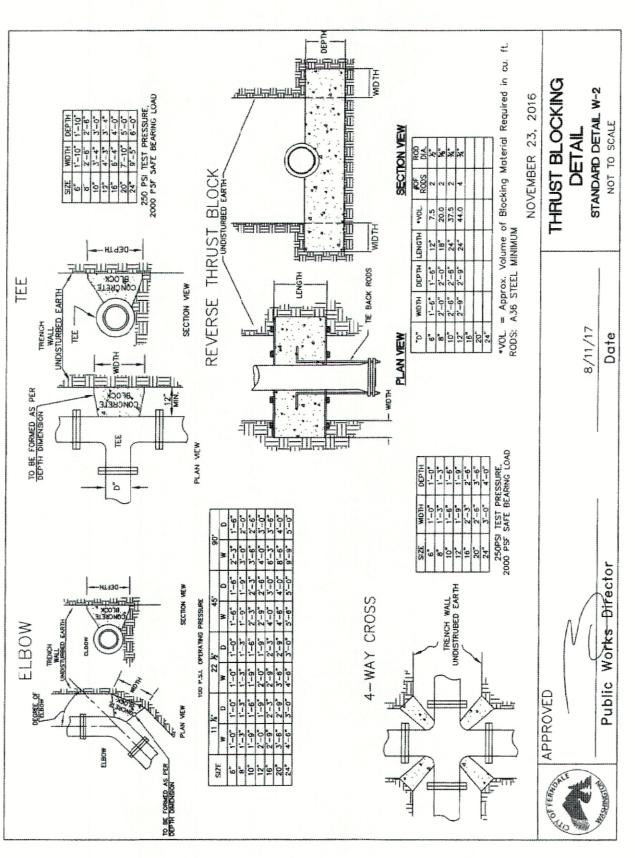
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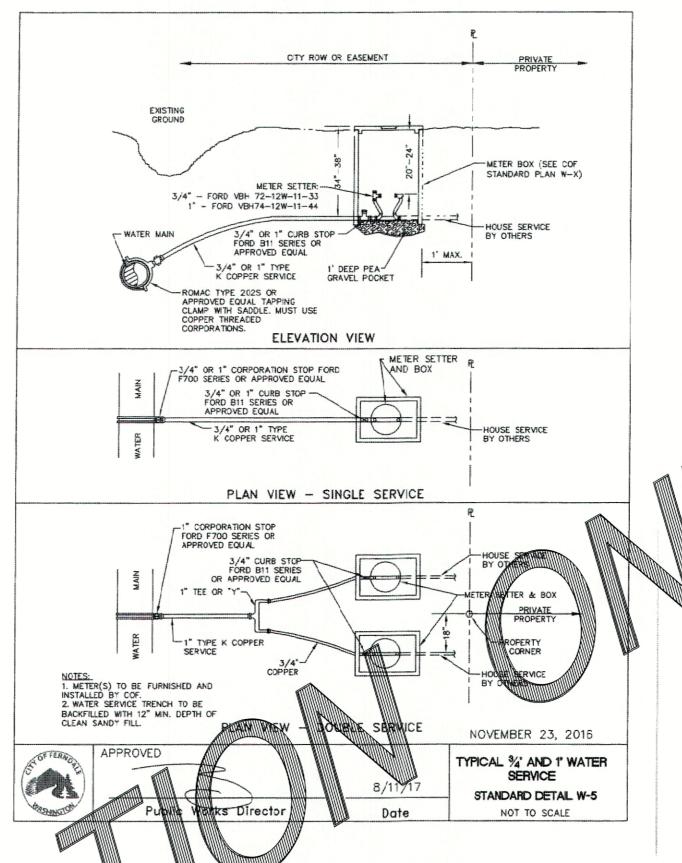


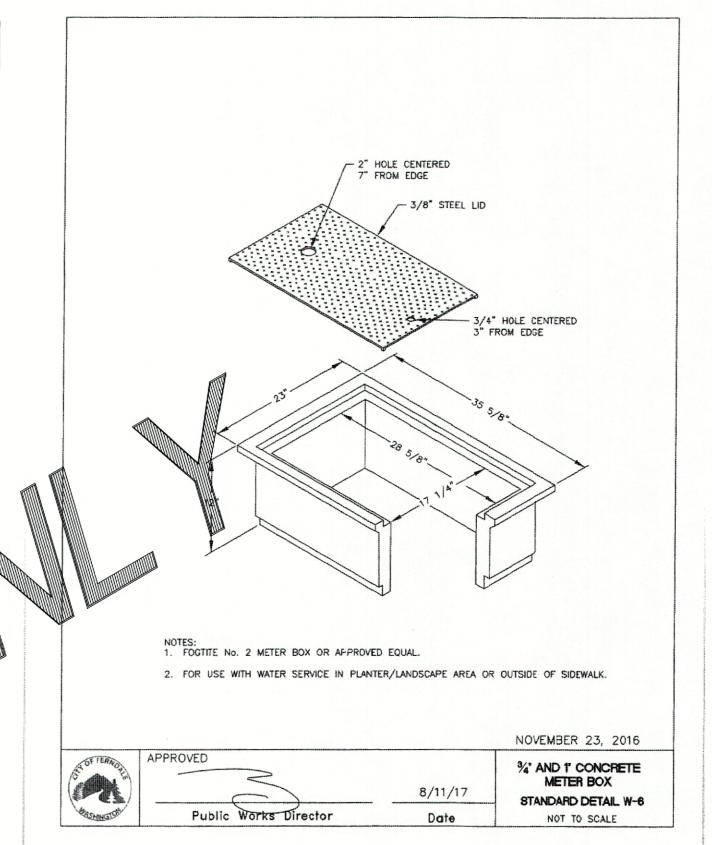


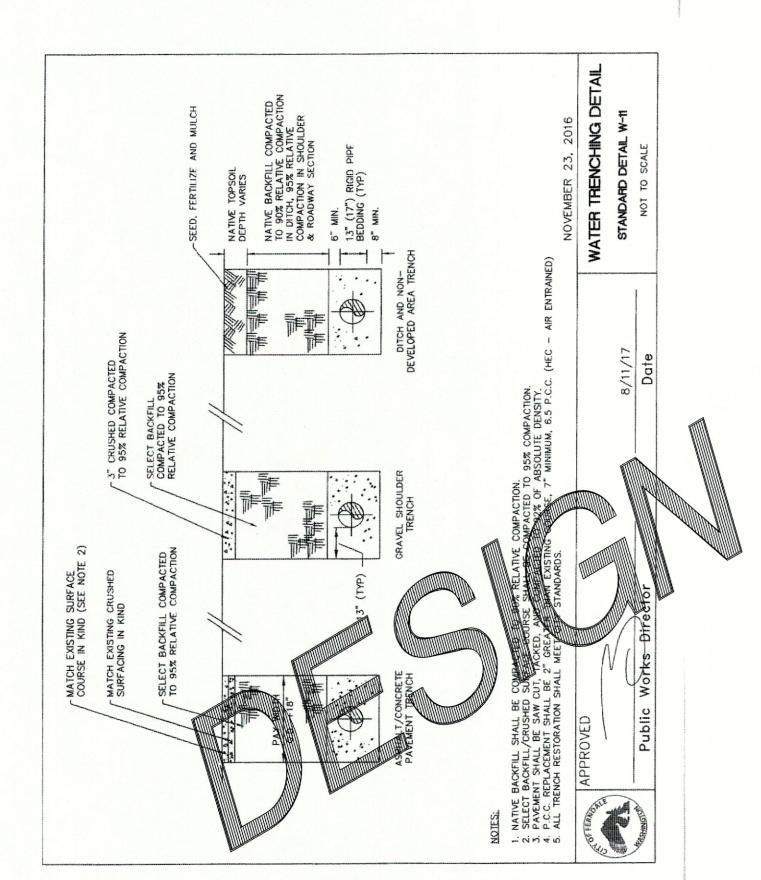




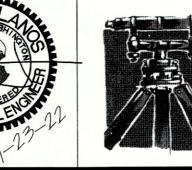








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| NO. | REVISION | BY | DATE | |



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5160 INDUSTRIAL PL. #108
FERNDALE, WA 98248
PHONE 360-383-0620
FAX 360-383-0639

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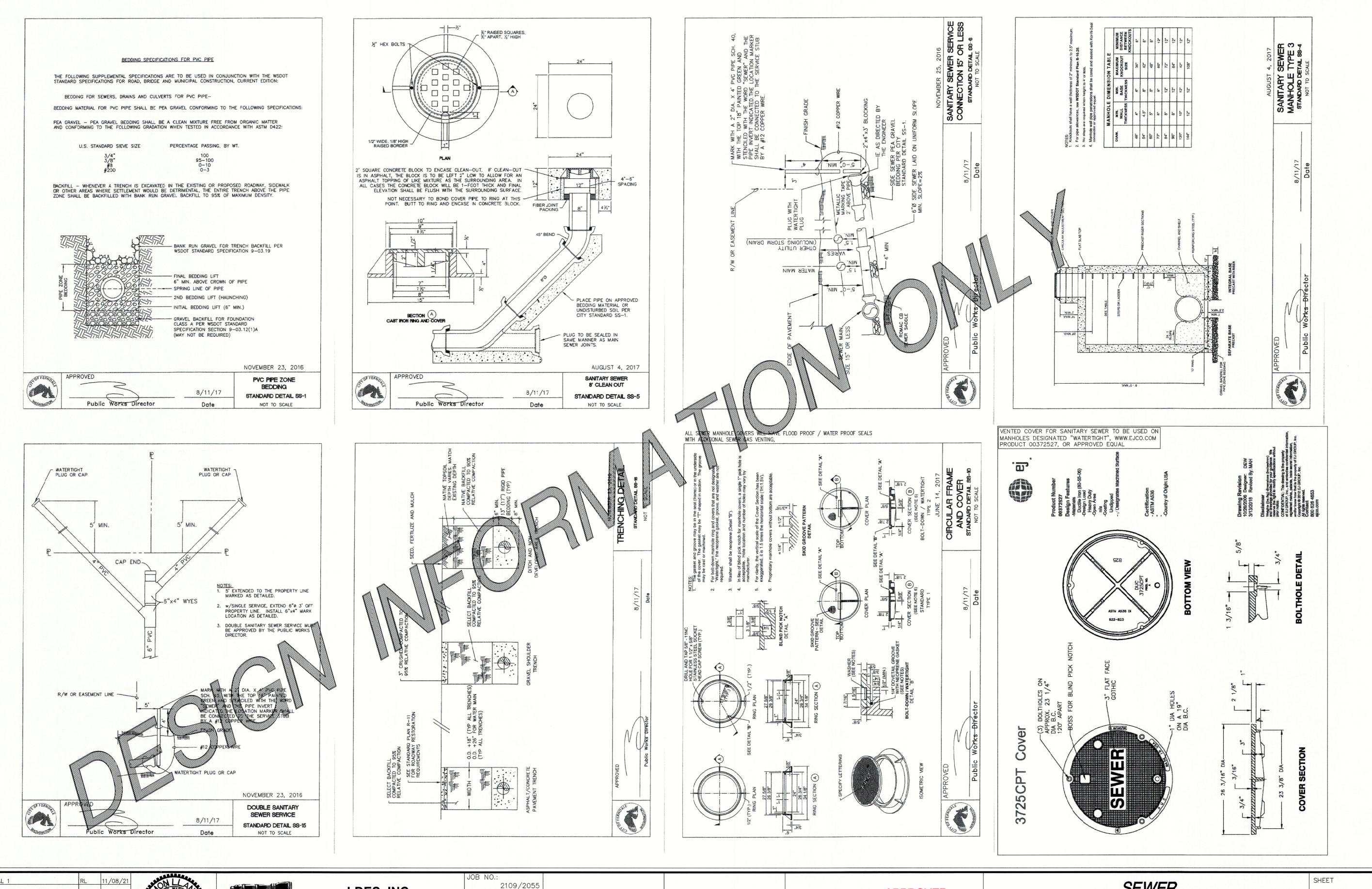
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STONEWOOD CONSTRUCTION LLC PO BOX 33 FERNDALE, WA 98248

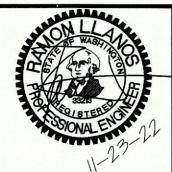
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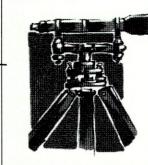
WATER TYPICAL DETAILS



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SUBMITTAL 1 BY DATE REVISION





LDES, INC.
5160 INDUSTRIAL PL. #108
FERNDALE, WA 98248
PHONE 360-383-0620
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SEWER TYPICAL DETAILS

BRIDGE STREET/STONEWOOD COTTAGES

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