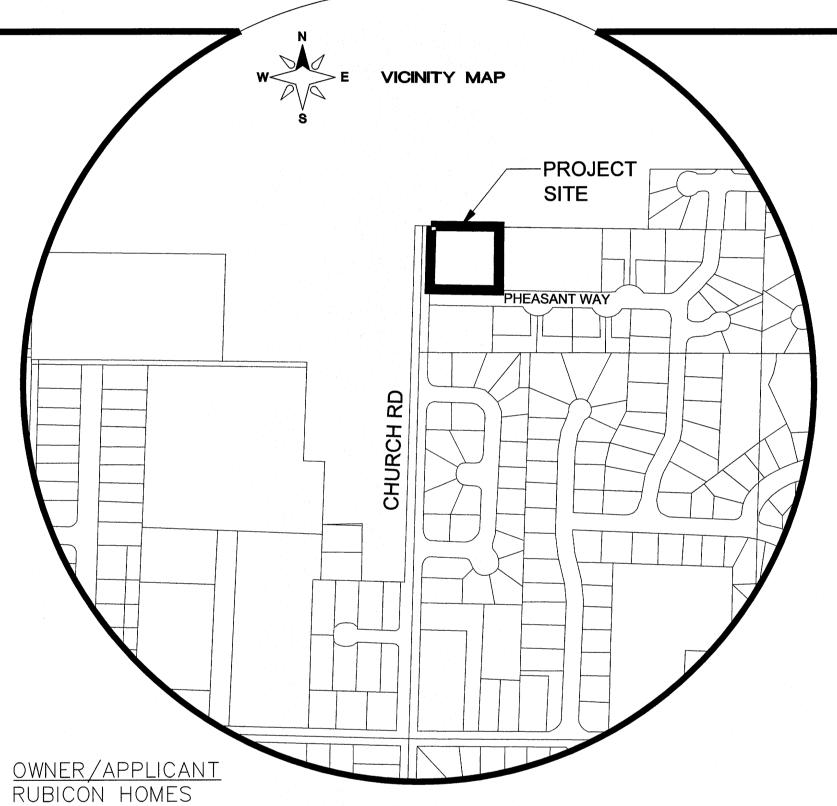
A PORTION OF THE SW 1/4 OF SECTION 18 TOWNSHIP 39 N., RANGE 2 E. OF THE W.M. CITY OF FERNDALE, WHATCOM COUNTY, WASHINGTON

# LYNCH SHORT PLAT 6420 CHURCH RD, FERNDALE, WA RECORD DRAWING



## SHEET INDEX

- COVER SHEET
- EXISTING CONDITIONS
- COF AND TESC NOTES
- TESC AND DEMOLITION PLAN
- PRELIMINARY SUBDIVISION PLAN
- COMPOSITE UTILITY PLAN
- GRADING PLAN

I HEREBY CERTIFY THAT THE IMPROVEMENTS IN "LYNCH SHORT PLAT" HAVE BEEN INSPECTED BY LDES AND TO THE BEST OF

MY KNOWLEDGE, HAVE BEEN CONSTRUCTED IN CONFORMANCE

WITH THE CITY OF FERNDALE DEVELOPMENT STANDARDS, THE CITY OF FERNDALE MUNICIPAL CODE, SUBSEQUENT STANDARDS ADOPTED BY REFERENCE THEREIN, AND STANDARD

- STORM DRAINAGE PLAN
- WATER AND SEWER PLAN
- VAULT PLANS, CROSS SECTIONS AND DETAILS
- CITY OF FERNDALE DETAILS
- CITY OF FERNDALE DETAILS

# CHAD SCHMITT PO BOX 1065

FERNDALE, WA 98248 (360) 920-6389

#### ENGINEER LDES, INC.

5160 INDUSTRIAL PL., SUITE 108 FERNDALE, WA 98248 CONTACT: RAMON LLANOS, PE.

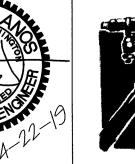
(360) 383-0620

# <u>SURVEYOR</u>

5160 INDUSTRIAL PL., SUITE 108 FERNDALE, WA 98248 CONTACT: KYLE HAGGITH, PLS.

(360) 383-0620

RS 5-08-2019 SUBMITTAL 2 BY DATE REVISION



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

RAMON LLANOS, P.E.

DWG. NAME: DESIGNED BY: DRAWN BY: CHECKED BY:

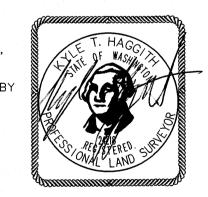
SURVEYOR'S CERTIFICATION

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

**RUBICON HOMES** 

6240 CHURCH ROAD

FERNDALE, WA 98248



AB = AS-BUILT DIMENSION, GRADE, ELEVATION, OR QUANTITY

APPROVED

MAY 15 2019

BY CITY OF FERNALE

PUBLIC WORKS DEPARTMENT

## **EXISTING LEGEND:**

COMMUNICATIONS (BURIED

# PROPOSED LEGEND:

■ PROP. WATER METER ■ PROP. SEWER CLEANOUT

⊕ = PROP. ROOF DRAIN CLEANOUT = PROP. CATCH BASIN

SD == PROP. STORM DRAIN LINE = PROP. INLET PROTECTION

= PROP. SILT FENCING

---- = PROP. SAW CUT

COVER SHEET

LYNCH SHORT PLAT

6240 CHURCH ROAD, FERNDALE WA 98248 WITHIN SECTION 18, TOWNSHIP 39N, RANGE 2E, W.M.



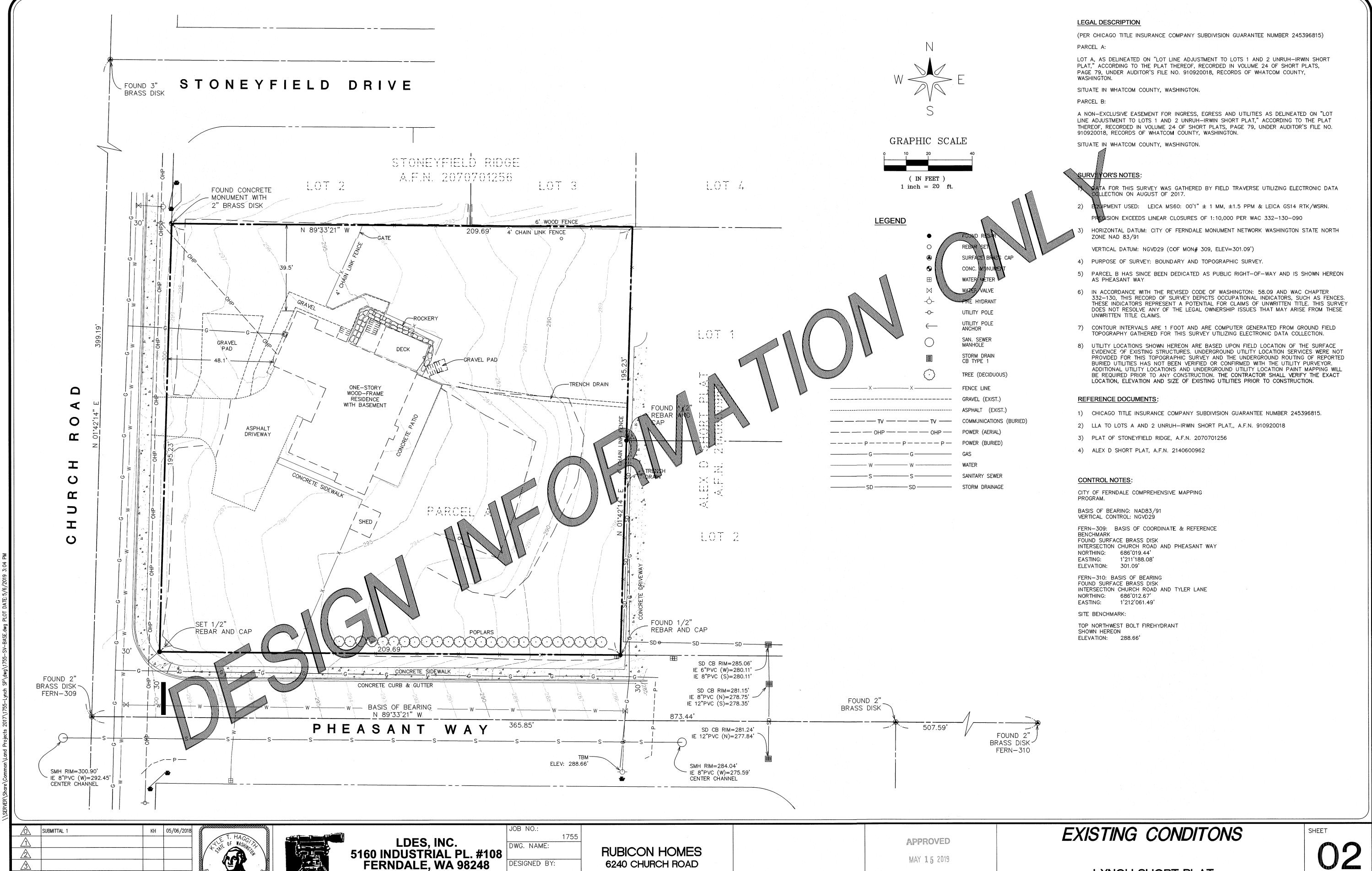
LYNCH SHORT PLAT

6240 CHURCH ROAD, FERNDALE WA 98248

WITHIN SECTION 18, TOWNSHIP 39N, RANGE 2E, W.M.

CITY OF FERNDAZE

PUBLIC WORKS DEPARTMENT



FERNDALE, WA 98248

PHONE 360-383-0620

FAX 360-383-0639

REVISION

BY DATE

DRAWN BY:

CHECKED BY: KTH

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

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 UTILITIES. 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

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 PRESENT 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.

2. COMPLETION OF BALLAST COURSE PLACEMENT 3. 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. FND 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

13. 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 DEPARTMENT. 14. 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 15. WORK PERFORMED IN CITY ROW AND ON PRIVATE PROPERTY REQUIRES PROJECT CERTIFICATION BY ENGINEER OF RECORD IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS IN ORDER FOR THE CITY TO PROVIDE PROJECT ACCEPTANCE. THE ENGINEER OF RECORD WILL NEED TO DETERMINE AN INSPECTION SCHEDULE TO BE CARRIED OUT BYE THE ENGINEER OF

RECORD OR THEIR QUALIFIED DESIGNEE INCLUDING GEOTECHNICAL SUPPORT FOR PROJECT CERTIFICATION. POT HOLING PUBLIC UTILITIES IS REQUIRED PRIOR TO CONSTRUCTION TO INSURE CITY UTILITY SEPARATION REQUIREMENTS CAN BE MET. AS-BUILT INFORMATION ON THE CITY'S DATA BASE IS NOT ALWAYS ACCURATE. THE CITY WILL NOT BE HELD RESPONSIBLE FOR CONTRACTOR NEGLIGENCE IN THIS REGARD THAT MAY RESULT IN HIGHER CONSTRUCTION COSTS OR LIMITED OPTION FOR MODIFICATION.

#### **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

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. ii. WHERE CONSISTENT WITH SAFETY AND SPACE CONSIDERATIONS, EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF

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.

ALL UTILITY TRENCHES IN THE RIGHT OF WAY SHALL BE BACKFILLED WITH 1/4-INCH MINUS OR 5/8-INCH MINUS WELL GRADED CRUSHED E. TESTING OF NEW WATER LINES, STORM SEWER SYSTEMS SHALL NOT BE PERFORMED UNTIL ALL OTHER ADJACENT UTILITIES HAVE BEEN

INSTALLED. 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 BE SHOWN ON THE PLANS.

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. 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. THE ENGINEER IS REQUIRED TO CERTIFY SUBGRADE, IN WRITING, PRIOR TO PAVING.

#### SITE GRADING SHALL BE COMPLETED IN ACCORDANCE WITH APPENDIX J OF THE 2012, INTERNATIONAL BUILDING CODE.

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 DEGRADATION TEST RESULTS TO THE ENGINEER.

#### STORM DRAINGAGE:

REMOVAL

BASE COURSES AND SURFACING:

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

CATCH BASINS COFSD ST-16 (CITY OF FERNDALE STD DETAIL) STORM SEWER PIPE HAVING DIAMETERS GREATER THAN 8" SHALL BE CORRUGATED POLYETHYLENE PIPE (CPEP); ALL OTHER STORM SEWER PIPE

3. ALL CATCH BASIN GRATES SHALL INCLUDE THE STAMPING "OUTFALL TO STREAM, DUMP NO POLLUTANTS".

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

COVER OVER PIPES SHALL BE MAINTAINED DURING CONSTRUCTION. DEPTH OF COVER REQUIRED SHALL CONFORM TO CITY STANDARDS. 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. POSITIVE LOT DRAINS PER STANDARD DETAIL ST-16

8. A STORMWATER MAINTENANCE PLAN MUST BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL AT PROJECT COMPLETION INCLUDING AN AND APPROVAL AT PROJECT COMPLETION INCLUDING AND APPROVAL AT PROJECT COMPLETION AT PROPERTY AND APPROVAL AT PROJECT COMPLETION AT PROJECT COMPLETION AT PROPERTY AND APPROVAL AT PROJECT COMPLETION AT PROJECT COMPLETION AT PROPERTY AT PROJECT COMPLETION AT PROPERTY AT PROJECT COMPLETION AT PROPERTY AT PROJECT COMPLETION AT PR AS-BUILT DRAWING OF THE STORMWATER CONVEYANCE SYSTEM IN CONFORMANCE WITH THE CITY OF FERNDALE STORMWATER MAINTENANCE CHECKLIST FOR THE CONVEYANCE SYSTEM LOCATED OUTSIDE CITY R/W THAT MUST BE PRIVATELY MAINTAINED.

#### **WATER SYSTEMS:**

THE FOLLOWING STANDARD DETAILS SHALL BE USED IN CONSTRUCTING WATER SUPPLY SYSTEM IMPROVEMENTS: COFSD W-11 PIPE BEDDING

TRENCH BACKFILI COFSD W-11 FIRE HYDRANT ASSEMBLY COFSD W-1 THRUST BLOCKING COFSD W-2, W-3 & W-4 COFSD W-5 WATER SERVICE

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.

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 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. 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 250 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

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".

ALL VALVES SHALL BE EITHER GATE OR BUTTERFLY TYPE 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

11. WATER SERVICE TAP INSTALLATIONS SHALL MEET THE REQUIREMENTS OF THE COFDS W-5.

#### ROAD:

THE FOLLOWING STANDARD DETAILS SHALL BE USED FOR CONSTRUCTION OF THE STANDARD STREET SECTION:

TYPICAL STREET SECTION PER THESE PLANS COESD R-9 PCC CURB AND GUTTER COFSD R-12 (SEE CONSTRUCTION DOCUMENTS TYPICAL SECTION) PCC SIDEWALKS PCC CURB RAMPS WSDOT STD. DETAIL F-40.

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. 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. 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). CEMENT CONCRETE SHALL BE CLASS 3000 (WITH AIR ENTRAINMENT) IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION, SECTION

CEMENT CONCRETE SIDEWALK SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS OR AS DESIGNATED BY THE ENGINEER IN ACCORDANCE WITH CITY STANDARDS, DRAWING NO. 2012.
CEMENT CONCRETE DRIVEWAYS SHALLING 6 INCHES THICK AND CONSTRUCTED WHERE SHOWN ON THE PLANS OR DESIGNATED BY THE

FOR DRIVEWAY BEDDING CEMENT CONCRETE CORMIND 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 CONCRETE CURB AND GUTTER IS CONNECT TO EXISTING CONCRETE CURB AND GUTTER AND ABRUPT OFFSETS IN LINE OR GRADE SHALL BE CONSTRUCTED WHICH WILL BE

SOIL RESIDUAL HERBICIDE WALL BE PLACED WITHIN 24 HOURS OF PAVING.

A TACK COAT OF ASPHALT HALL BE APPLIED BETWEEN ALL COURSES OF ASPHALT.

MALL 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 MITOM EXISTING TO PROPOSED PAVING. CONTRACTOR SHALL COLD PLANE PER DIMENSIONS SPECIFIED ON THE INSTALL A MINIMUM 2-FOOT WIDE PETROTAC PAVING FABRIC, OR EQUIVALENT, OVER JOINT BETWEEN PAVING

ENGINEER IN ACCORDANCE WITH THE WITY STANDARDS, DRAWING NO. R-15. A 2- INCH LATER OF 3/4 INCH DRAIN ROCK SHALL BE USED

NS AND THRU-CURB INLETS CONFORMING TO THE WSDOT STANDARD SPECIFICATIONS, SECTION 7-05 SHALL BE CHISTIAN CTED AT THE LOW POINT OF THE CURB FLOW LINES AND TO THE LOCATIONS, DIMENSIONS, AND DETAILS AS SHOWN ON THE OR DESIGNATED BY THE ENGINEER AND CITY STANDARDS, DRAWING NO. R-8. TRENCH EXCAVATIONS, BEDDING AND PIPE FOR STORMWATER PIPE LAYING SHALL BE IN ACCORDANCE WITH THE WSDOT STANDARD 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)

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

#### **SANITARY SEWER SYSTEMS:**

SIGNATUY OR IMPEDE FLOW IN THE CUTTER LINE.

ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CITY OF FERNDALE STANDARD SPECIFICATIONS AND DETAILS, A.P.W.A. STANDARD SPECIFICATIONS, AND WSDOT STANDARD SPECIFICATIONS, MOST RECENT EDITIONS. SANITARY SEWER SYSTEM INSTALLATION,

BOTH PUBLIC AND PRIVATE. IS SUBJECT TO CITY REVIEW AND APPROVAL. ALL WORK MUST BE INSPECTED TO THE SATISFACTION OF THE CITY OF FERNDALE. 24 HOUR NOTICE MUST BE GIVEN 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 REPRESENTATIVE.

SANITARY SEWER MAINS SHALL BE A MINIMUM 8 INCH DIAMETER PVC PIPE (SDR-35) CONFORMING TO THE PROVISIONS OF ASTM D 3034 AND INSTALLED TO CITY SPECIFICATIONS.

SANITARY SEWER PIPE BEDDING SHALL BE PEA GRAVEL PER COFSD SS-1. ALL TRENCHES SHALL BE BACKFILLED WITH CLASS B BANK RUN GRAVEL WITHIN CITY RIGHT OF WAY AND TRAVELED WAYS OUTSIDE OF RIGHT OF WAY (ACCESS EASEMENTS) AND SHALL BE COMPACTED TO A MINIMUM DENSITY OF 95% MODIFIED PROCTOR. USE OF SUITABLE NATIVE BACKFILL OUTSIDE OF TRAVELED WAY SHALL BE SUBJECT TO APPROVAL BY THE CITY

ALL MANHOLES SHALL BE INSTALLED PER CITY OF FERNDALE STANDARD DETAILS AND SHALL BE PRE-CHANNELED. MANHOLE CONES ARE TO BE OFFSET SUCH THAT LADDER RUNGS ARE PARALLEL TO THE FLOW. ALL SIDE SEWERS SHALL BE INSTALLED PER CITY OF FERNDALE STANDARD DETAILS SS-6, SS-8 OR SS-13, EXCEPT THAT SINGLE SIDE

SEWERS SHALL HAVE A MINIMUM DIAMETER OF 4".

CONTRACTOR SHALL EXTEND SEWER STUBS 5 FT BEYOND UTILITY CORRIDOR OR 15 FEET BEYOND RIGHT-OF-WAY LINE. EACH SIDE SEWER STUB SHALL BE CAPPED WITH A WATERTIGHT PLUG. EACH STUB SHALL BE MARKED FOR LOCATION WITH A 2" DIA. PVC PIPE (MIN. SCHEDULE 40) WITH THE TOP 18" PAINTED GREEN AND STENCILED WITH THE WORD "SEWER" AND THE PIPE INVERT

INDICATED. THE LOCATION MARKER SHALL BE CONNECTED TO THE SERVICE STUB BY A #12 COPPER WIRE CURRENT SEPTIC SYSTEM MUST BE ABANDONED IN ACCORDANCE TO COUNTY / HEALTH DEPARTMENT REGULATIONS. PROOF OF HEALTH DEPARTMENT APPROVAL WILL BE REQUIRED PRIOR TO OBTAINING CITY SEWER SERVICE AND OR FINAL PLAT APPROVAL.

## **CITY OF FERNDALE TESC NOTES:**

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 UNEXPOSED FOR MORE THAN 2 DAYS. FROM MAY 1 TO SEPTEMBER 30, NO SOILS SHALL REMAIN EXPOSED FOR MORE THAN 7 DAYS. PRIOR TO LEAVING THE SITE, STORMWATER RUNOFF SHALL PASS THROUGH A SEDIMENT POND, TRAP OR OTHER

DELINEATE CLEARING & EASEMENT LIMITS. IN THE FIELD, STAKE AND FLAG CLEARING LIMITS AND/OR ANXI

EASEMENTS, SETBACKS, SENSITIVE/CRITICAL AREAS AND THIER BUFFERS, TREES AND DRAINAGE COURSES PROTECTION OF ADJACENT PROPERTIES. PROPERTIES ADJACENT TO THE PROJECT SITE SHALL RAWPR

TIMING & STABILIZATION OF SEDIMENT TRAPPING MEASURES. SEDIMENT PONDS AND 3 SEDIMENT BARRIERS, AND OTHER BMP'S INTENDED TO TRAP SEDIMENT ON—SITE SHAMILE CONSTRUCTED AS A FIRST STEP IN GRADING. THESE BMP'S SHALL BE FUNCTIONAL BEFORE LAND DISTU THE ACTIVITIES TAKE PLACE. EARTH STRUCTURES SUCH AS DAMS, DIKES AND DIVERSIONS SHAHLINGE

ACCORDING TO THE TIMING INDICATED IN NO. 1 ABOVE. CUT & FILL SLOPES. CUT AND FILL SLOPES SHALL BE DESIGNATIONAD CONSTRU

MINIMIZE EROSION. IN ADDITION, SLOPES SHALL BE STABILIZED ACCORDANCE OF CONTROLLING OFF-SITE EROSION. PROPERTIES AND WATERWAY DOWNSTREAM PROPERTIES AND WATERWAY. 1 ABOVE. SHALL BE PROTECTED FROM EROSION DUE TO INCREASES IN THE VIEW VELOCITY

STORMWATER RUNOFF FROM THE PROJECT SITE. STABILIZATION OF TEMPORARY CONVEYANCE CHANNELS & OUTLET ALL TEMPORARY ON THE CONVEYANCE CHANNELS SHALL BE DESIGNED, CONSTRUCTED AND STABILIZED TO REVENT EROST THE EXPECTED VELOCITY OF FLOW FROM A 2-YEAR 24 HOUR EDESIGNEY CONTROL OF THE EXPECTED VELOCITY OF FLOW FROM A 2-YEAR 24 HOUR EDESIGNEY CONTROL OF THE EXPECTED VELOCITY OF FLOW FROM A 2-YEAR 24 HOUR EDESIGNEY CONTROL OF THE EXPECTED VELOCITY OF FLOW FROM A 2-YEAR 24 HOUR EDESIGNEY CONTROL OF THE EXPECTED VELOCITY OF FLOW FROM A 2-YEAR 24 HOUR EDESIGNEY CONTROL OF THE EXPECTED VELOCITY OF FLOW FROM A 2-YEAR 24 HOUR EDESIGNEY CONTROL OF THE EXPECTED VELOCITY OF FLOW FROM A 2-YEAR 24 HOUR EDESIGNEY CONTROL OF THE EXPECTED VELOCITY OF FLOW FROM A 2-YEAR 24 HOUR EDESIGNEY CONTROL OF THE EXPECTED VELOCITY OF FLOW FROM A 2-YEAR 24 HOUR EDESIGNEY CONTROL OF THE EXPECTED VELOCITY OF FLOW FROM A 2-YEAR 24 HOUR EDESIGNEY CONTROL OF THE EXPECTED VELOCITY OF FLOW FROM A 2-YEAR 24 HOUR EDESIGNEY CONTROL OF THE EXPECTED VELOCITY OF FLOW FROM A 2-YEAR 24 HOUR EDESIGNEY CONTROL OF THE EXPECTED VELOCITY OF THE EXPECTE STABILIZATION OF TEMPORARY CONVEYANCE CHANNELS & OUTLET VELOCITY OF FLOW FROM A 2-YEAR, 24-HOUR FREQUENCY STORM THE DATE OPED CONDITION. STABILIZATION ADEQUATE TO PREVENT EROSION OF OUTLETS, ADJACKUR STREET BANKS, SLOPES AND

DOWNSTREAM REACHES SHALL BE PROVIDED AT THE OUTLETS OF ALL MANUEYANCE SYSTEMS.

STORM DRAIN INLET PROTECTION. ALL STORM DRAIN INLETS MADE OF ABLE DURING CONSTRUCTION SHALL BI PROTECTED SO 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.

CONSTRUCTION BE MADE TOWNING THE SS ROUTHIN MILEREVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED ROADS, PROVISIONS MUST T OF SEDIMENT (MUD) ONTO THE PAVED ROAD. IF SEDIMENT IS TRANSPORTED ONTO A ROAD SHALL BE WINNED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM ROADS BY G AND BE TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA. STREET WASHING SHALL BE TEN SEDIMENT IS REMOVED IN THIS MANNER.
OF AY BMP'S. ALL TEMPORARY EROSION AND SEDIMENT CONTROL BMP'S SHALL BE REMOVED WITHIN 30 DAYS

STABILIZATION IS ACHIEVED OR AFTER TEMPORARY BMP'S ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE STABILIZED ON SITE. DISTURBED SOIL AREAS RESULTING FROM REMOVAL SHALL BE PERMANENTLY STABILIZED. CONSTRUCTION SITES. DEWATERING DEVICES SHALL DISCHARGE INTO A SEDIMENT TRAP OR SEDIMENT POND. . 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

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. ALL SITE GRADING SHALL BE COMPLETED IN ACCORDANCE WITH APPENDIX J OF THE 2012, INTERNATIONAL BUILDING CODE. 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 HIMSELF OR HERSELF AND/OR QUALIFIED DESIGNEE INCLUDING GEOTECHNICAL INSPECTIONS AND DOCUMENTATION SUPPORT.

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 5445 PORTAL WAY FOR FLAX 4-LIFE AND 6407 PORTAL WAY FOR ALPINE INVESTMENTS 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

20. 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 THAT MUST BE PRIVATELY MAINTAINED.

## **EROSION AND SEDIMENT CONTROL GENERAL NOTES:**

EROSION CONTROL METHODS AND MATERIALS SHALL MEET THE REQUIREMENTS OF SECTION 8-01 OF THE 2012 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 RECOMMENDATIONS MADE BY SUPPLIERS AND MANUFACTURERS FOR ALL MATERIALS AND EQUIPMENT USED.

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 CONTROL SITE RUNOFF. THE EXISTING AND PROPOSED STORM SYSTEMS SHALL BE CLEANED AND MAINTAINED THROUGHOUT CONSTRUCTION AND UNTIL ALL ON-SITE SOILS HAVE BEEN STABILIZED.

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.

SUBMITTAL 1 RS 5-08-2019 SUBMITTAL 2 REVISION BY | DATE





LDES, INC. **5160 INDUSTŘIAL PL. #108 FERNDALE, WA 98248** PHONE 360-383-0620 FAX 360-383-0639

1795 DWG. NAME: DESIGNED BY: DRAWN BY:

CHECKED BY:

**RUBICON HOMES** 6240 CHURCH ROAD FERNDALE, WA 98248



PUBLIC WORKS DEPARTMENT

CITY OF FERNDALE GENERAL NOTES AND TESC NOTES LYNCH SHORT PLAT

6240 CHURCH ROAD, FERNDALE WA 98248

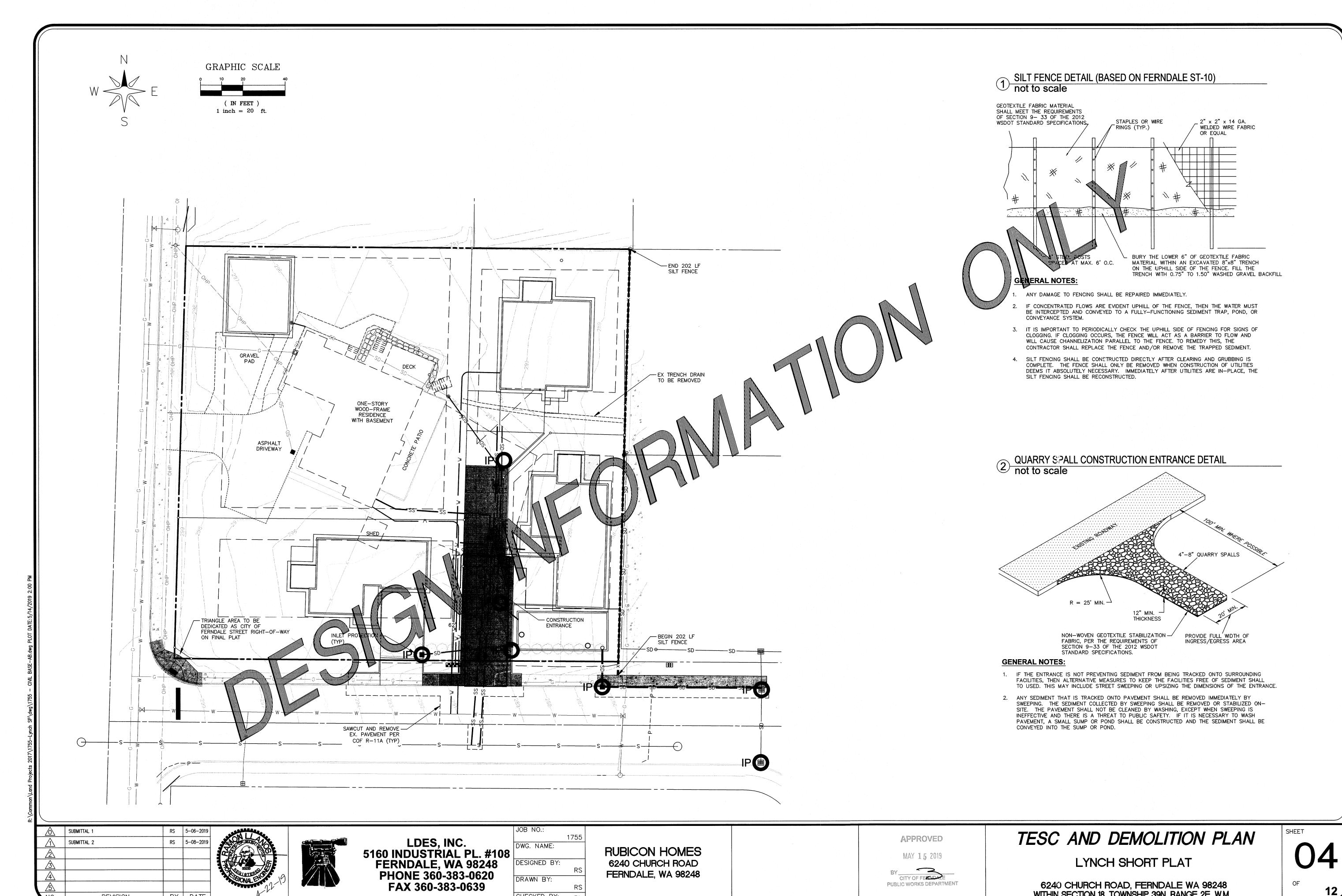
WITHIN SECTION 18, TOWNSHIP 39N, RANGE 2E, W.M.

DRAWING ORD



6240 CHURCH ROAD, FERNDALE WA 98248 WITHIN SECTION 18, TOWNSHIP 39N, RANGE 2E, W.M.

PUBLIC WORKS DEPARTMENT



FERNDALE, WA 98248

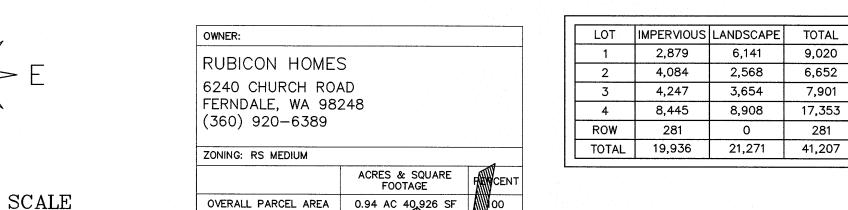
DRAWN BY:

REVISION

BY DATE

CHECKED BY:





PUBLIC & PRIVATE ROADS X AC

TOTAL LOT AREA 0.94 AC 40,92

GRAPHIC SCALE

( IN FEET ) 1 inch = 20 ft.

**SURVEYOR'S NOTES**:

1) DATA FOR THIS SURVEY WAS GATHERED BY FIELD TRAVERSE TILIZING ELECTRONIC DATA COLLECTION ON AUTOST OF 2017.

CA MS60: 00'1" ± 5 PPM & LEICA GS14 RTK/WSRN. 2) EQUIPMENT USED:

WEAR CLUSURES OF 1:10,000 PER WAC 332-130-090 OF FERNDALE MONUMENT NETWORK WASHINGTON STATE NORTH

UM: NGVD29 (COF MON# 309, ELEV=301.09')

OF URVEY: BOUNDARY AND TOPOGRAPHIC SURVEY.

B HAS SINCE BEEN DEDICATED AS PUBLIC RIGHT-OF-WAY AND IS SHOWN HEREON

IN ACCORDANCE WITH THE REVISED CODE OF WASHINGTON: 58.09 AND WAC CHAPTER

332-130, THIS RECORD OF SURVEY DEPICTS OCCUPATIONAL INDICATORS, SUCH AS FENCES. THESE INDICATORS REPRESENT A POTENTIAL FOR CLAIMS OF UNWRITTEN TITLE. THIS SURVEY DOES NOT RESOLVE ANY OF THE LEGAL OWNERSHIP ISSUES THAT MAY ARISE FROM THESE UNWRITTEN TITLE CLAIMS.

7) CONTOUR INTERVALS ARE 1 FOOT AND ARE COMPUTER GENERATED FROM GROUND FIELD TOPOGRAPHY GATHERED FOR THIS SURVEY UTILIZING ELECTRONIC DATA COLLECTION.

8) UTILITY LOCATIONS SHOWN HEREON ARE BASED UPON FIELD LOCATION OF THE SURFACE EVIDENCE OF EXISTING STRUCTURES. UNDERGROUND UTILITY LOCATION SERVICES WERE NOT PROVIDED FOR THIS TOPOGRAPHIC SURVEY AND THE UNDERGROUND ROUTING OF REPORTED BURIED UTILITIES HAS NOT BEEN VERIFIED OR CONFIRMED WITH THE UTILITY PURVEYOR. ADDITIONAL UTILITY LOCATIONS AND UNDERGROUND UTILITY LOCATION PAINT MAPPING WILL BE REQUIRED PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, ELEVATION AND SIZE OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.

REFERENCE DOCUMENTS:

1) CHICAGO TITLE INSURANCE COMPANY SUBDIVISION GUARANTEE NUMBER 245396815.

2) LLA TO LOTS A AND 2 UNRUH-IRWIN SHORT PLAT,, A.F.N. 910920018

3) PLAT OF STONEYFIELD RIDGE, A.F.N. 2070701256

4) ALEX D SHORT PLAT, A.F.N. 2140600962

**LEGAL DESCRIPTION** 

(PER CHICAGO TITLE INSURANCE COMPANY SUBDIVISION GUARANTEE NUMBER 245396815)

A NON-EXCLUSIVE EASEMENT FOR INGRESS, EGRESS AND UTILITIES AS DELINEATED ON "LOT

SITUATE IN WHATCOM COUNTY, WASHINGTON.

**CONTROL NOTES**:

CITY OF FERNDALE COMPREHENSIVE MAPPING PROGRAM.

BASIS OF BEARING: NAD83/91 VERTICAL CONTROL: NGVD29

FERN-309: BASIS OF COORDINATE & REFERENCE BENCHMARK FOUND SURFACE BRASS DISK INTERSECTION CHURCH ROAD AND PHEASANT WAY

NORTHING: 686'019.44' EASTING: 1'211'188.08' ELEVATION: 301.09'

FERN-310: BASIS OF BEARING FOUND SURFACE BRASS DISK INTERSECTION CHURCH ROAD AND TYLER LANE NORTHING: 686'012.67' EASTING: 1'212'061.49'

SITE BENCHMARK:

TOP NORTHWEST BOLT FIREHYDRANT SHOWN HEREON ELEVATION: 288.66'

LOT A, AS DELINEATED ON "LOT LINE ADJUSTMENT TO LOTS 1 AND 2 UNRUH-IRWIN SHORT PLAT," ACCORDING TO THE PLAT THEREOF, RECORDED IN VOLUME 24 OF SHORT PLATS, PAGE 79, UNDER AUDITOR'S FILE NO. 910920018, RECORDS OF WHATCOM COUNTY,

SITUATE IN WHATCOM COUNTY, WASHINGTON.

PARCEL B:

LINE ADJUSTMENT TO LOTS 1 AND 2 UNRUH—IRWIN SHORT PLAT," ACCORDING TO THE PLAT THEREOF, RECORDED IN VOLUME 24 OF SHORT PLATS, PAGE 79, UNDER AUDITOR'S FILE NO. 910920018, RECORDS OF WHATCOM COUNTY, WASHINGTON.

	◁
	$\alpha$
	عكسا
	O

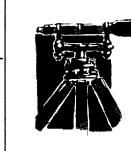
SUBMITTAL 1 SUBMITTAL 2 RS 5-08-2019 REVISION BY DATE

30'

O

TRIANGLE AREA TO BE

DEDICATED AS CITY OF FERNDALE STREET RIGHT-OF-WAY ON FINAL PLAT



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

N89°33'21"W 209.69

STONEYFIELD RIDGE

A.F.N. 2070/701256

N89°33'21"W 209.69'

LOT 3

7901 SF

N88°17'46"W

35.11

6652 SF

[-0]-/+

135.12'

17353 SF

N89°33'21"W

PHEASANT WAR

1795 DWG. NAME: DESIGNED BY: DRAWN BY: CHECKED BY:

RUBICON HOMES 6240 CHURCH ROAD FERNDALE, WA 98248

APPROVED MAY 15 2019 PUBLIC WORKS DEPARTMENT

6240 CHURCH ROAD, FERNDALE WA 98248 WITHIN SECTION 18, TOWNSHIP 39N, RANGE 2E, W.M.

PRELIMINARY PLAT

LYNCH SHORT PLAT



COMPOSITE UTILITY PLAN

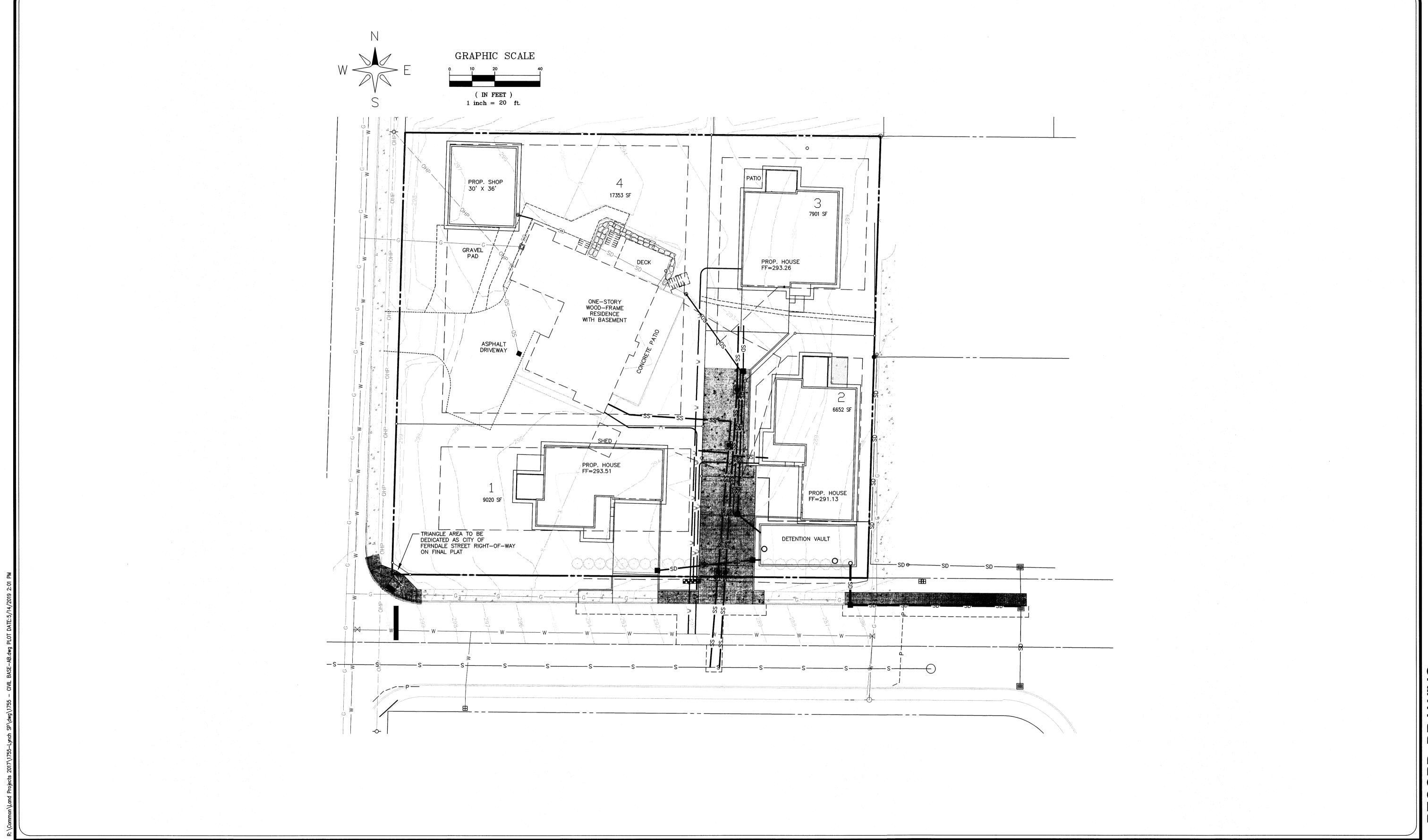
LYNCH SHORT PLAT

6240 CHURCH ROAD, FERNDALE WA 98248 WITHIN SECTION 18, TOWNSHIP 39N, RANGE 2E, W.M.

APPROVED

MAY 15 2019

CITY OF FERNDALE
PUBLIC WORKS DEPARTMENT



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

1755

RUBICON HOMES

6240 CHURCH ROAD FERNDALE, WA 98248

DWG. NAME:

DRAWN BY:

DESIGNED BY:

CHECKED BY:

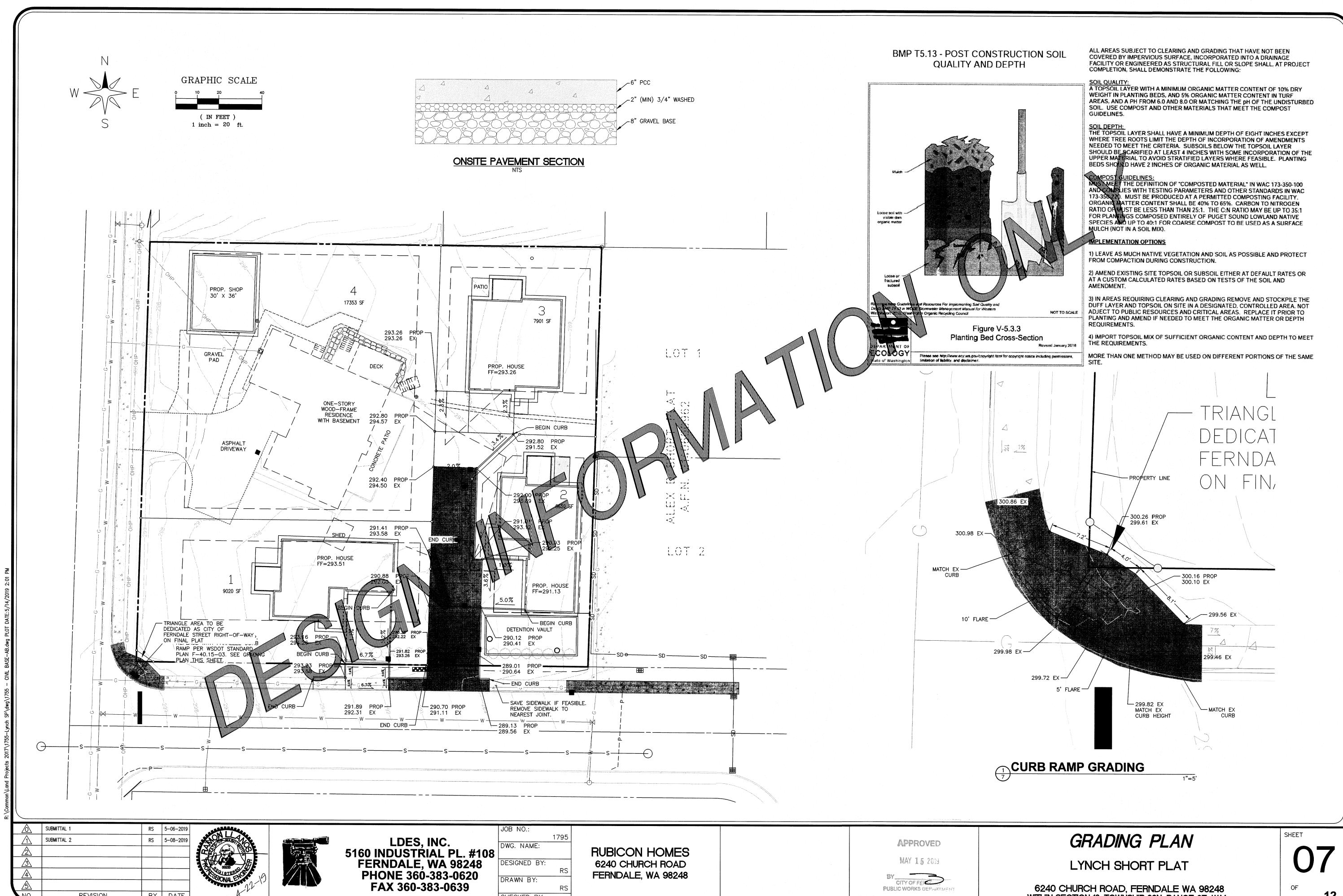
SUBMITTAL 1

SUBMITTAL 2

REVISION

BY DATE





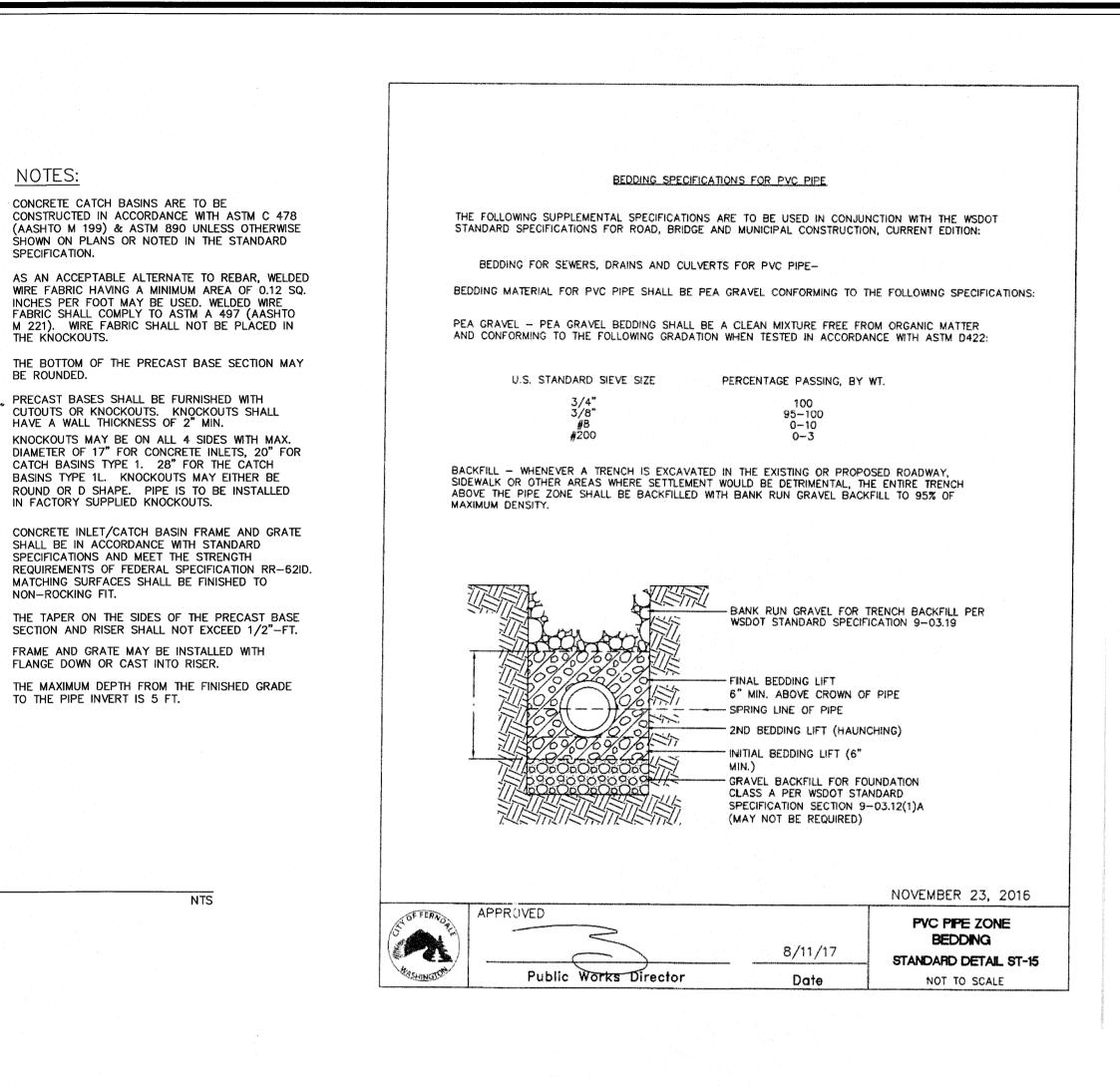
DRAWN BY:

CHECKED BY:

BY DATE

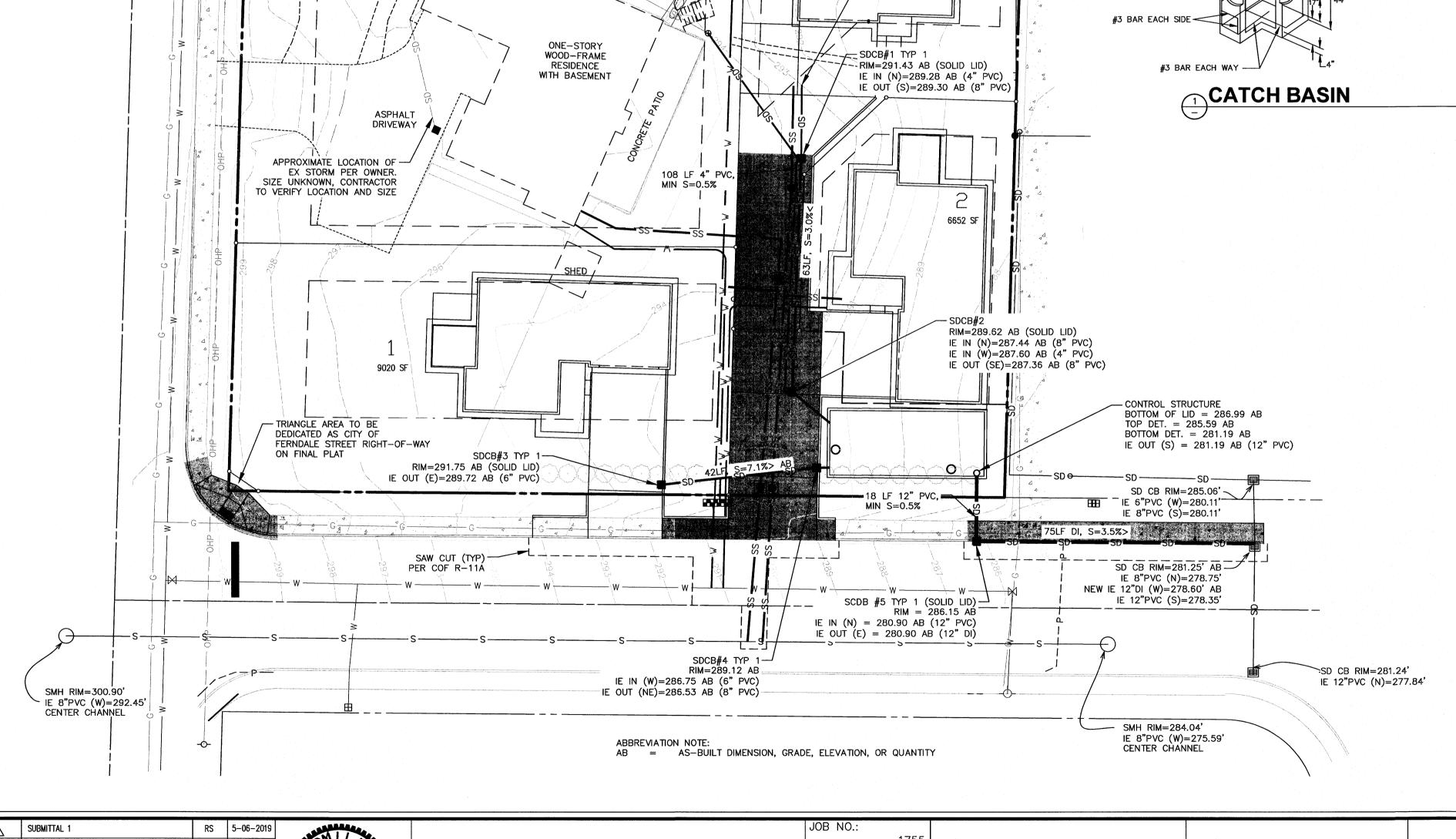
REVISION

6240 CHURCH ROAD, FERNDALE WA 98248 WITHIN SECTION 18, TOWNSHIP 39N, RANGE 2E, W.M.

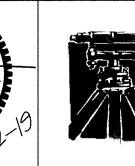


### **STORM GENERAL NOTES:**

THE ENGINEER OF RECORD HAS ASSESSED THE ESTIMATED FINISH GRADE TOPOGRAPHY AND FEELS A CUTOFF TRENCH IS NOT NECESSARY TO CONTROL POTENTIAL SHEET FLOW DRAINAGE ONTO THE PAVED SHARED DRIVEWAY SURFACE.



$\triangle$	SUBMITTAL 1	RS	5-06-2019	
$\triangle$	SUBMITTAL 2	RS	5-08-2019	
<u> </u>				
<u>\$</u>				33
4				A CONTRACTOR OF THE PARTY OF TH
<u>\$</u>				-
NO.	REVISION	BY	DATE	



GRAPHIC SCALE

( IN FEET )

1 inch = 20 ft.

GRAVEL

7 LF 4" PVC, MIN. S=0.5%. CONNECT SHOP DOWNSPOUT TO EX STORMLINE.

CONTRACTOR TO VERIFY LOCATION OF

17353 SF

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

1755 DWG. NAME: DESIGNED BY: DRAWN BY: CHECKED BY:

7901 SF

/-- 20 LF 4" PVC,

MIN S=0.5%

RUBICON HOMES 6240 CHURCH ROAD FERNDALE, WA 98248

CATCH BASIN TYPE 1

FRAME GRATE (SEE STANDARD PLAN FOR DETAILS)

12" RISER SECTION

PRECAST BASE SECTION (MEASUREMENT AT THE

TOP OF THE BASE)

#3 BAR EACH CORNER

CONCRETE CATCH BASINS ARE TO BE

PRECAST BASES SHALL BE FURNISHED WITH

SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS AND MEET THE STRENGTH

FRAME AND GRATE MAY BE INSTALLED WITH FLANGE DOWN OR CAST INTO RISER.

TO THE PIPE INVERT IS 5 FT.

SPECIFICATION.

NON-ROCKING FIT.

APPROVED MAY 15 2019 CITY OF FERNBALE

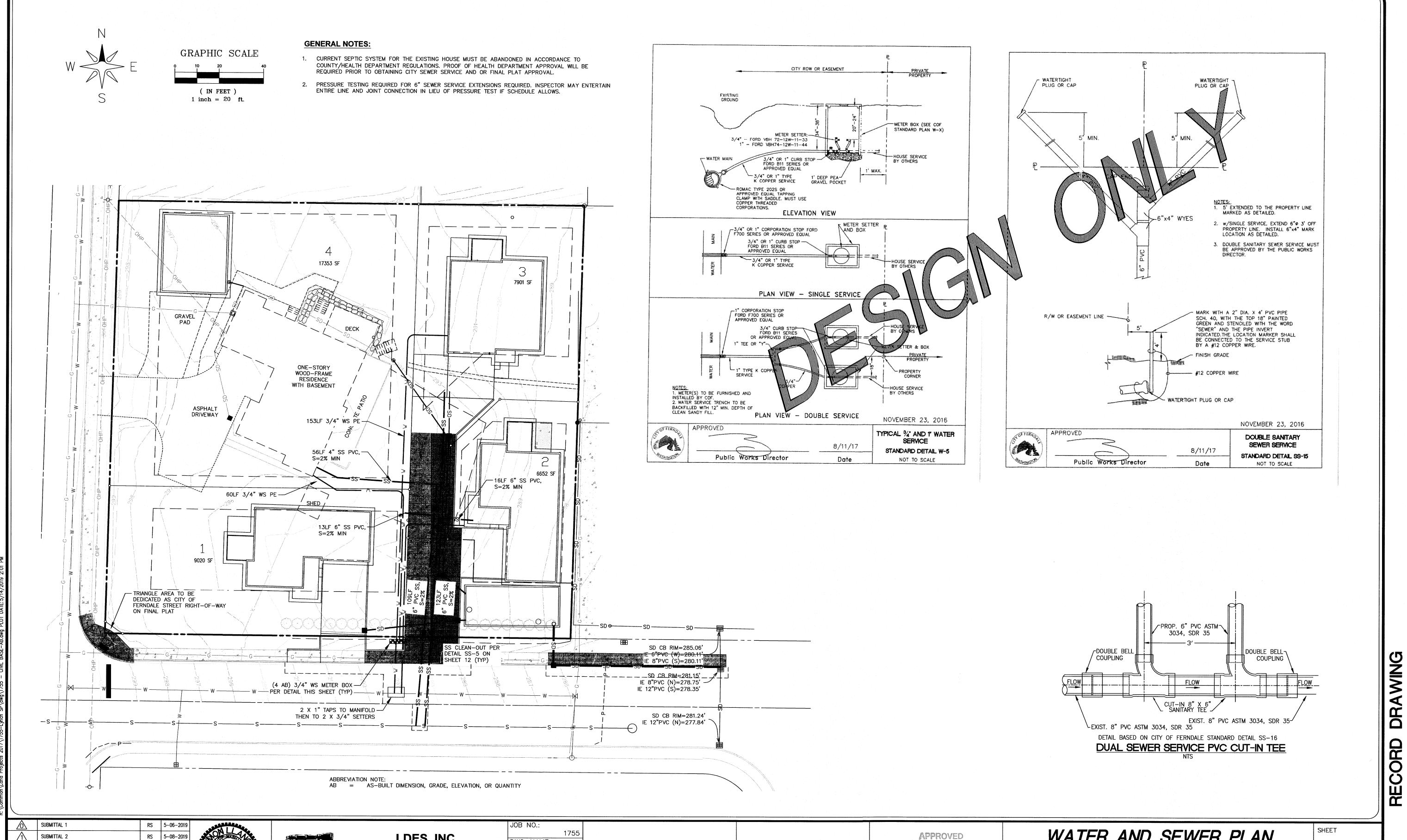
PUBLIC WORKS DEPARTMENT

STORM DRAINAGE PLAN

LYNCH SHORT PLAT

6240 CHURCH ROAD, FERNDALE WA 98248 WITHIN SECTION 18, TOWNSHIP 39N, RANGE 2E, W.M. SHEET

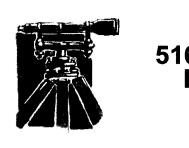
DRAWING



BY DATE

REVISION





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

DWG. NAME: DESIGNED BY: DRAWN BY: CHECKED BY:

**RUBICON HOMES** 6240 CHURCH ROAD FERNDALE, WA 98248



WATER AND SEWER PLAN

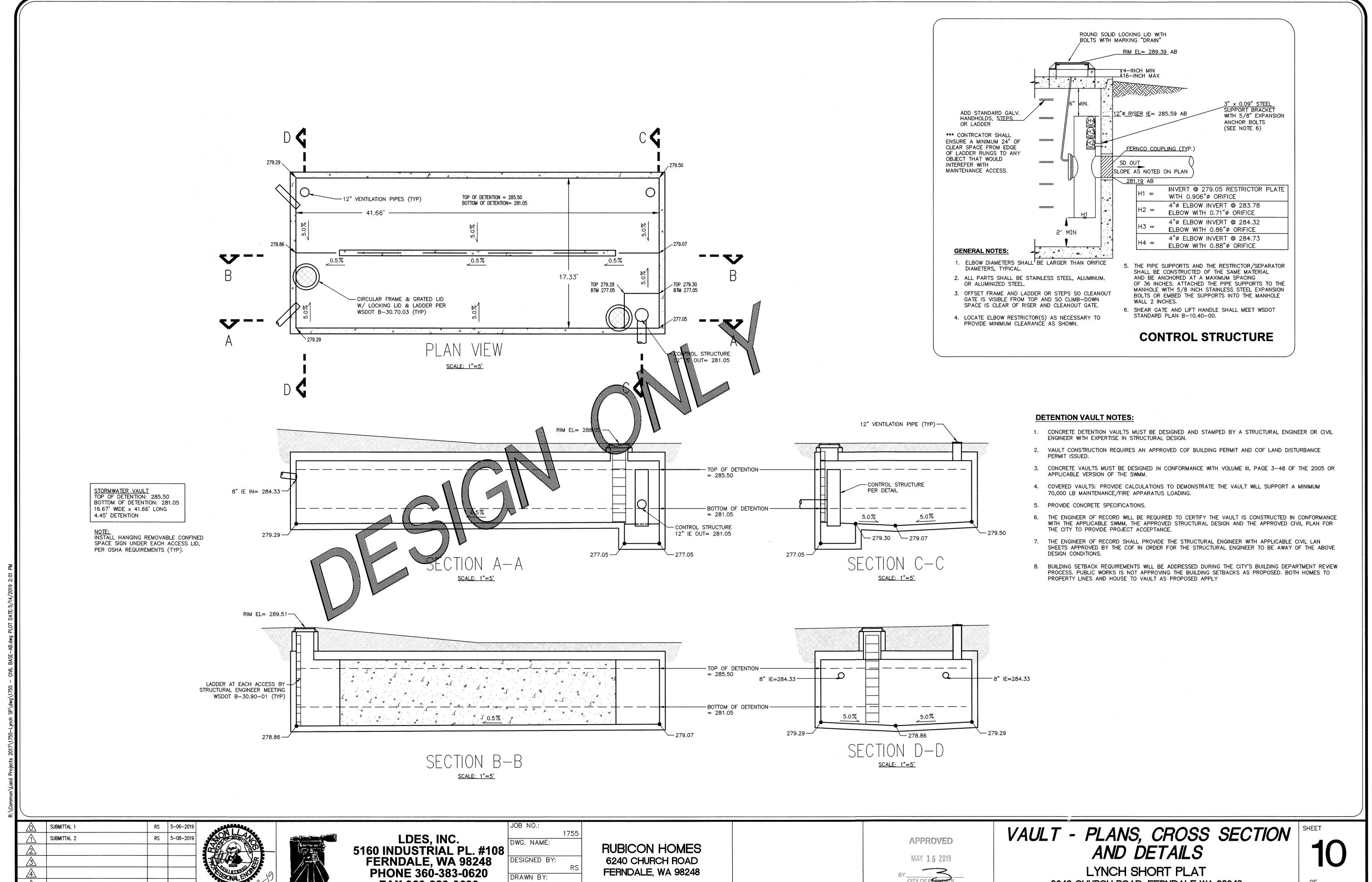
LYNCH SHORT PLAT

6240 CHURCH ROAD, FERNDALE WA 98248 WITHIN SECTION 18, TOWNSHIP 39N, RANGE 2E, W.M.

09

OF





6240 CHURCH ROAD

FERNDALE, WA 98248

DESIGNED BY:

CHECKED BY:

DRAWN BY:

FAX 360-383-0639

REVISION

BY DATE

MAY 15 2019

PUBLIC WORKS DEPAREMENT

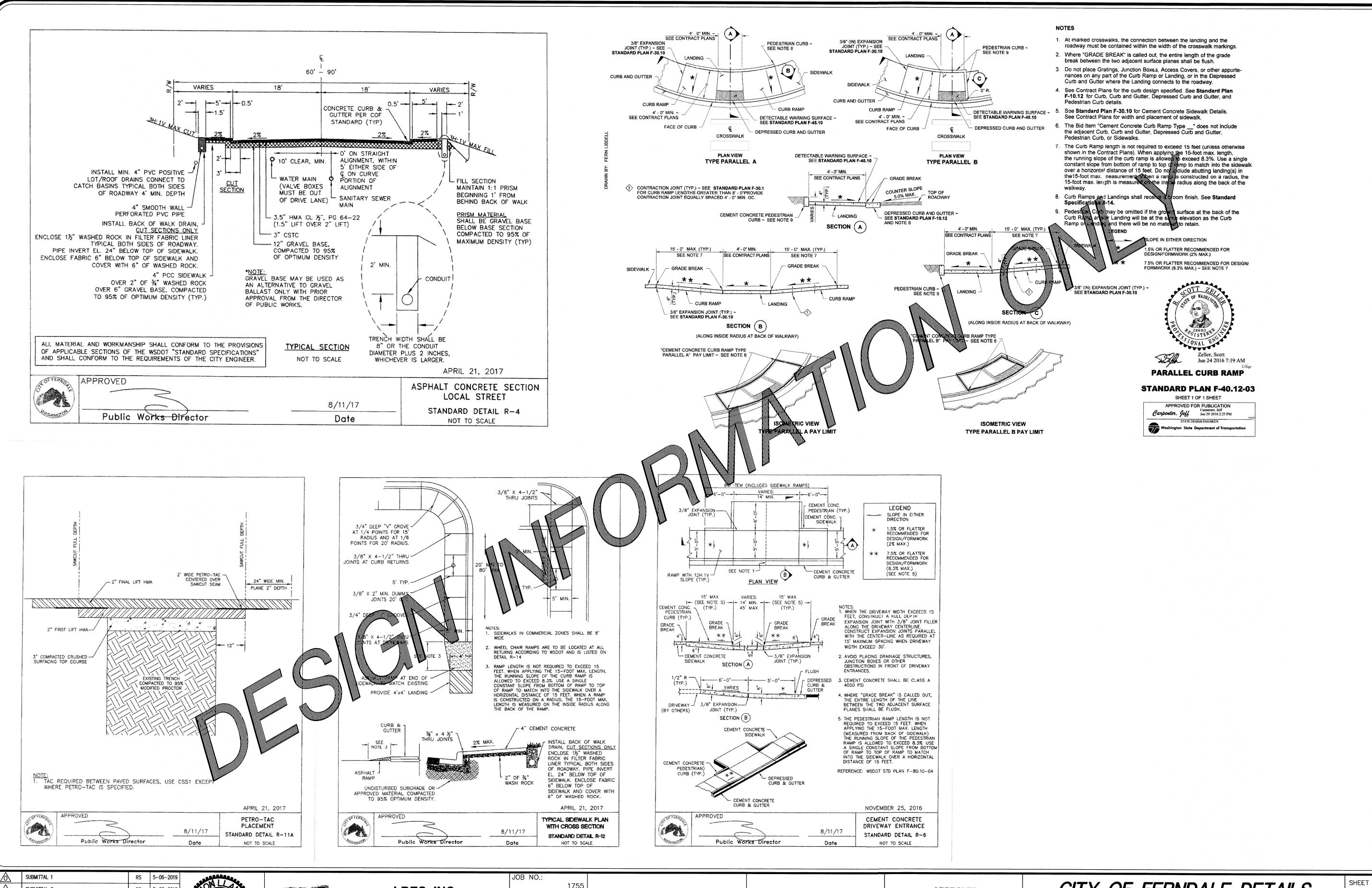
CITY OF FERNDALE

LYNCH SHORT PLAT

6240 CHURCH ROAD, FERNDALE WA 98248

WITHIN SECTION 18, TOWNSHIP 39N, RANGE 2E, W.M.





 SUBMITTAL 1
 RS
 5-06-2019

 ⚠
 SUBMITTAL 2
 RS
 5-08-2019

 ⚠
 ⚠

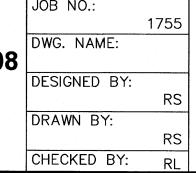
 ⚠
 ☐
 ☐

 NO.
 REVISION
 BY
 DATE





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



RUBICON HOMES 6240 CHURCH ROAD FERNDALE, WA 98248



CITY OF FERNDALE DETAILS

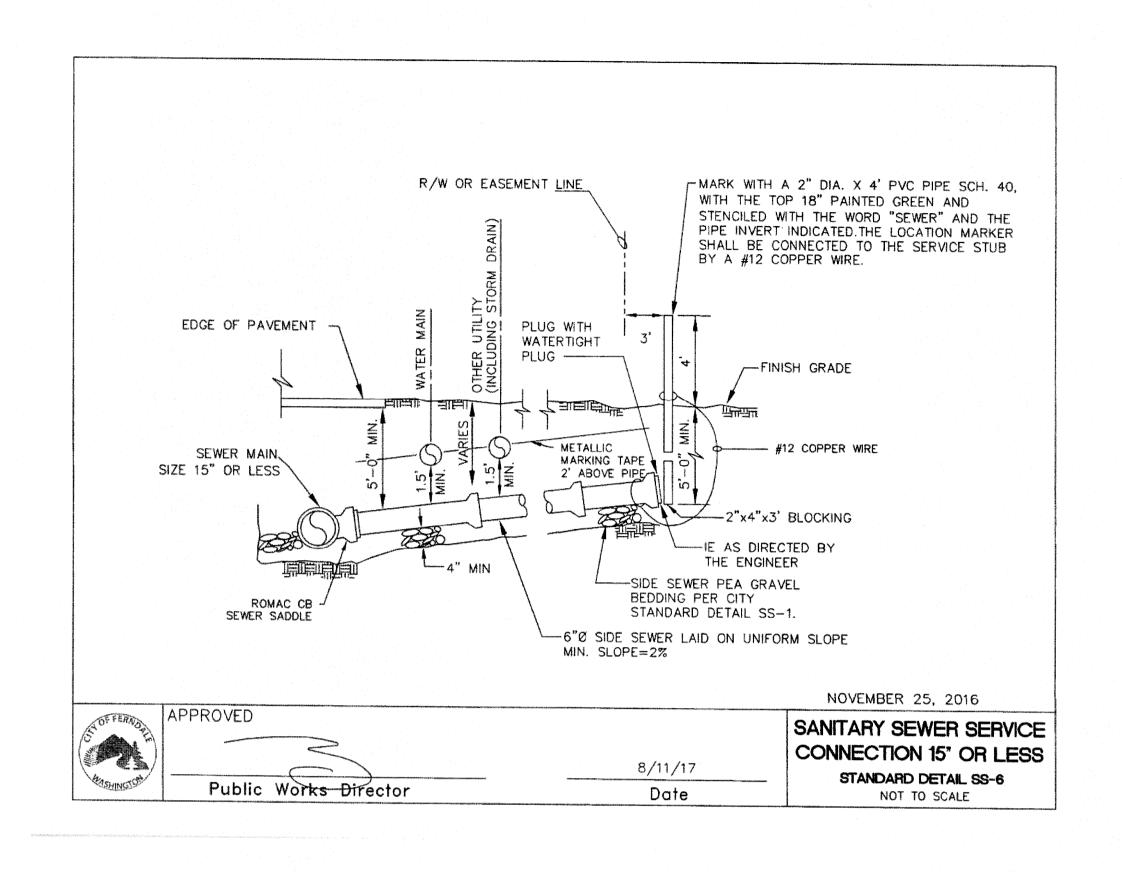
LYNCH SHORT PLAT

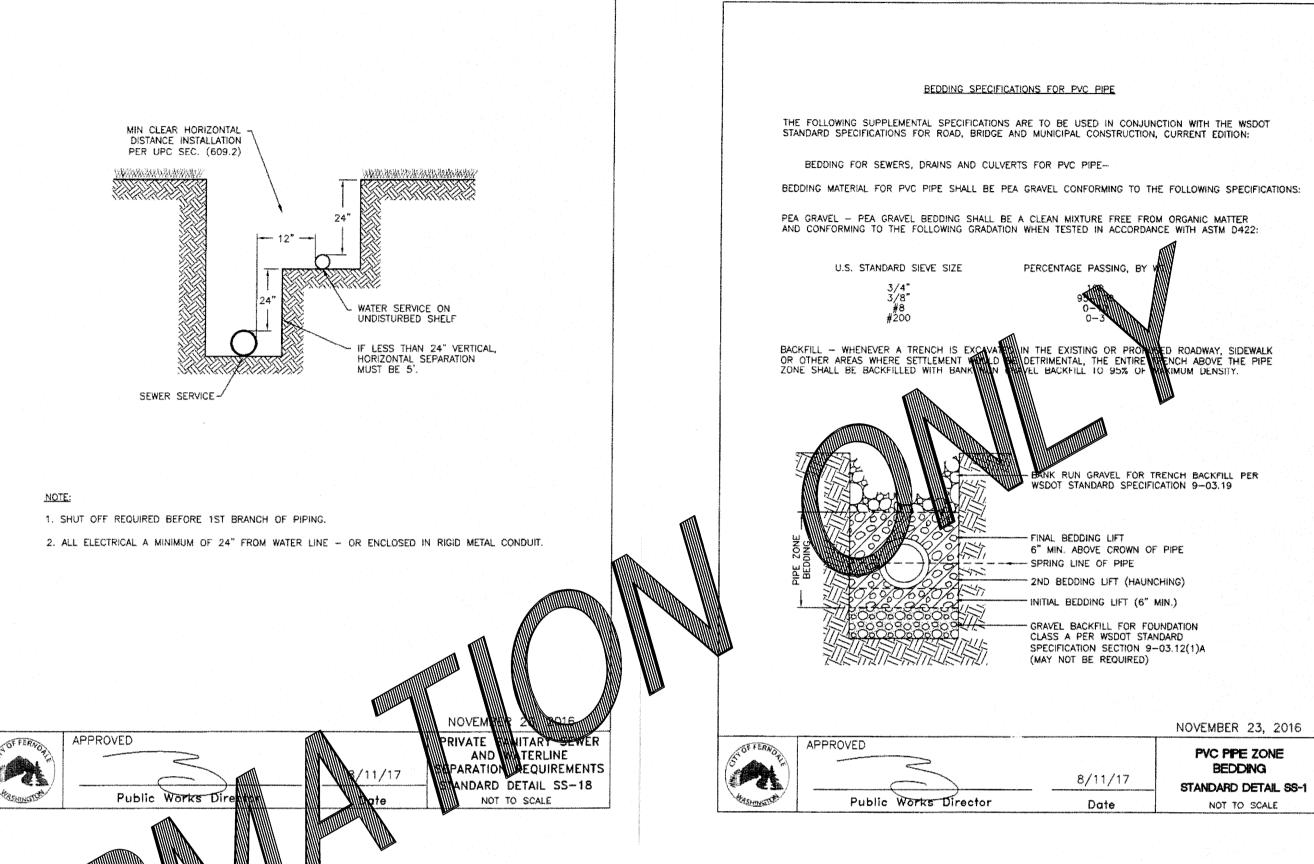
6240 CHURCH ROAD, FERNDALE WA 98248 WITHIN SECTION 18, TOWNSHIP 39N, RANGE 2E, W.M.

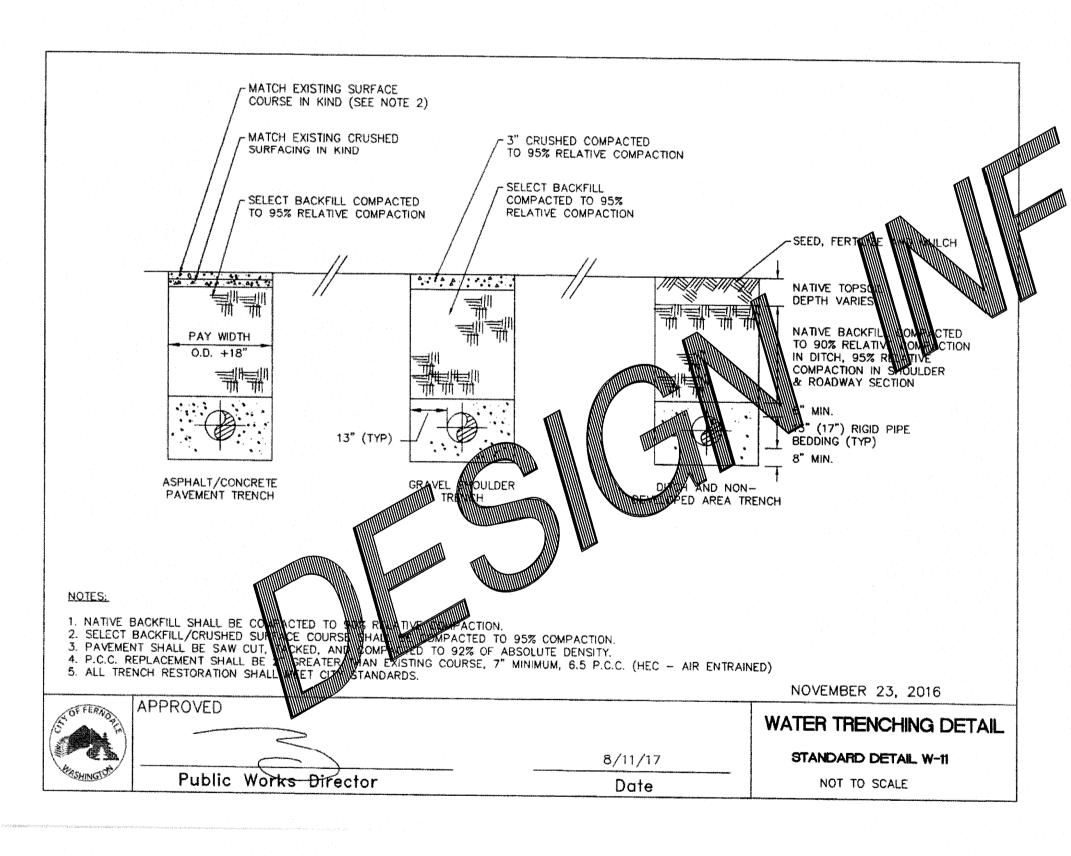
11

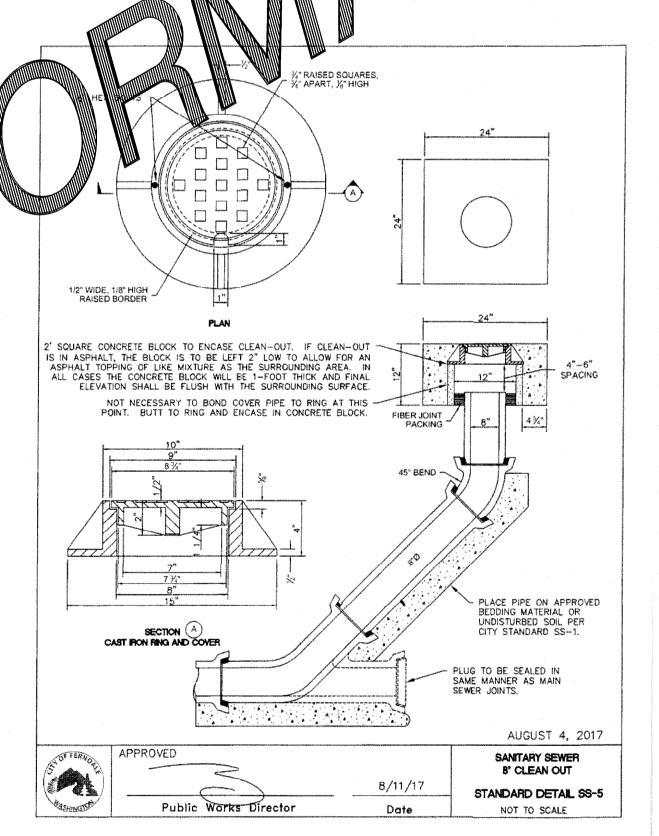
OF

12



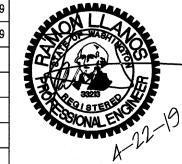


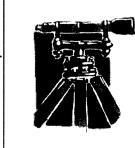




RECORD DRAWING

$\triangle$	SUBMITTAL 1	RS	5-06-2019	
$\triangle$	SUBMITTAL 2	RS	5-08-2019	
<u> </u>				
<u> 3</u>				
4				
<u>\$</u>				
NO.	REVISION	BY	DATE	





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

	JOB NO.:		
		1755	
	DWG. NAME:		
80			
	DESIGNED BY:		
		RS	
	DRAWN BY:		
		RS	
	CHECKED BY:	RL	

RUBICON HOMES 6240 CHURCH ROAD FERNDALE, WA 98248



# CITY OF FERNDALE DETAILS

LYNCH SHORT PLAT

6240 CHURCH ROAD, FERNDALE WA 98248 WITHIN SECTION 18, TOWNSHIP 39N, RANGE 2E, W.M. 12

1