FERNDALE, WA 98248 PHONE 360-383-0620 FAX 360-383-0639

705-CIVIL-BASE - AB.dwg

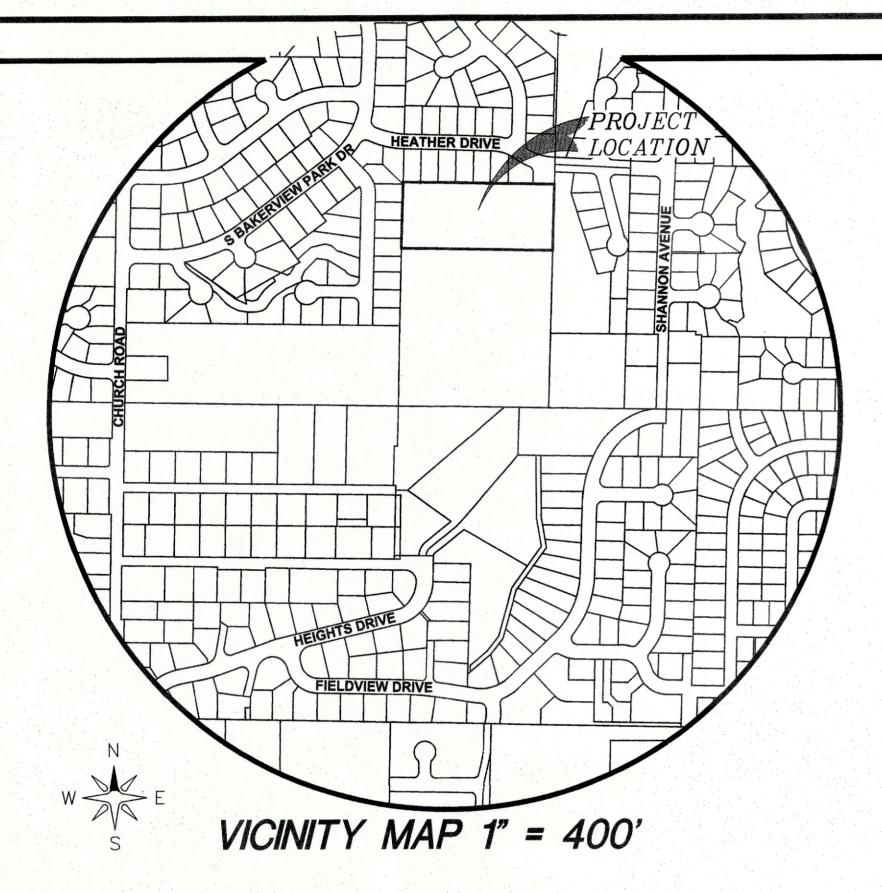
WHATCOM-SKAGIT

DRAWN BY:

CHECKED BY:

A PORTION OF THE SE 1/4 NW 1/4 OF SECTION 19 TOWNSHIP 39N., RANGE 2E. OF THE W.M. CITY OF FERNDALE, WHATCOM COUNTY, WASHINGTON

WOODRIDGE LONG PLAT RECORD DRAWINGS



- COVER SHEET
- EXISTING CONDITIONS
- EROSION CONTROL PLAN
- SUBDIVISION PLAN
- COMPOSITE UTILITY PLAN
- STREET & STORM DRAINAGE PLAN & PROFILE HETTERVIG PL
- STORM DRAINAGE PLAN & PROFILE NORTH & SOUTH
- STREET & STORM DRAINAGE DETAILS 1
- STREET & STORM DRAINAGE DETAILS 2
- 10. VAULT 1 AND CONTROL STRUCTURE DETAILS
- VAULT 2 AND CONTROL STRUCTURE DETAILS
- 12. SITE GRADING CROSS-SECTIONS 13. STREET & STORM DRAINAGE DETAILS
- 14. SANITARY SEWER PLAN AND PROFILE
- SANITARY SEWER DETAILS
- WATER DISTRUBUTION PLAN AND PROFILE
- WATER DISTRIBUTION DETAILS
- CITY OF FERNDALE GENERAL NOTES

SURVEYOR'S NOTES:

- 1) DATA FOR THIS SURVEY WAS GATHERED BY FIELD TRAVERSE UTILIZING ELECTRONIC DATA COLLECTION ON FEBRUARY AND MARCH OF 2017.
- 2) EQUIPMENT USED: LEICA MS60: 00'1" ± 1 PPM, ±1.5 MM & LEICA GS14 RTK/WSRN. PRECISION EXCEEDS LINEAR CLOSURES OF 1:10,000 PER WAC 332-130-090
- 3) HORIZONTAL DATUM: CITY OF FERNDALE MONUMENT NETWORK WASHINGTON STATE NORTH
- VERTICAL DATUM: NGVD29 (COF MON# 5, ELEV=220.76')
- 4) PURPOSE OF SURVEY: BOUNDARY AND TOPOGRAPHIC SURVEY.
- 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
- CONTOUR INTERVALS ARE 1 FOOT AND ARE COMPUTER GENERATED FROM GROUND FIELD TOPOGRAPHY GATHERED FOR THIS SURVEY UTILIZING ELECTRONIC DATA COLLECTION.
- 7) 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.
- ORDINARY HIGH WATER MARK AND WETLANDS DELINEATION BY ATSI ON FEBRUARY 2017.

ENGINEER'S CERTIFICATION
I HEREBY CERTIFY THAT THE IMPROVEMENTS IN "WOODRIDGE LONG PLAT" HAVE BEEN INSPECTED BY LDES AND TO THE BEST OF MY KNOWLEDGE, HAVE BEEN CONSTRUCTED RNDALE DEVELOPMENT STANDARDS, THE CITY OF FERNDALE MUNICIPAL CODE,

REFERENCE THEREIN, AND STANDARD

SUBSEQUENT STANDARDS ADOPTED BY

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

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ABBREVIATIO	NS:						•	
ABBREVIATION AB BMP BNDRY Q, CL CMP CONC CPDP CSTC CSBC CTRL DI DOE DRWWY DTL E EG ELEV/EL EOP EXIST/EX FF FG		AS-BUILT BEST MANAGEMENT PRACTICE BOUNDARY CENTERLINE CORRUGATED METAL PIPE CONCRETE CORRUGATED POLYETHYLENE DRAIN PIPE CRUSHED SURFACING TOP COURSE CRUSHED SURFACING BASE COURSE CONTROL DUCTILE IRON DEPARTMENT OF ECOLOGY DRIVE WAY DETAIL EASTING EXISTING GROUND ELEVATION EDGE OF PAVEMENT EXISTING FINISH FLOOR FINISH GROUND	HYD IE JBOX LBS. LF LT MON O.D. OHWM O/S PERF PERM. PK NAIL PRP PVC PSE PWR. N R RET ROW		FIRE HYDRANT INVERT ELEVATION JUNCTION BOX POUNDS LINEAR FEET LEFT MONUMENT OUTSIDE DIAMETER ORDINARY HIGH WATER MARK OFFSET PERFORATED PIPE PERMANENT PARKER-KALON NAIL PROPOSED POLYVINYL CHLORIDE PIPE PUGET SOUND ENERGY POWER NORTHING RADIUS RETAINING WALL RIGHT OF WAY	SD SDCB SQ. IN. SS SSCO SF SSMH STA: STRC SWALK SWMF SWPPP TEL TEMP. TESC TW TYP. WA WL		STORM DRAIN STORM DRAIN CATCH BASIN SQUARE INCHES SANITARY SEWER SANITARY SEWER CLEAN OUT SQUARE FEET SANITARY SEWER MANHOLE STATION STRUCTURE SIDEWALK STORM WATER MANAGEMENT FILTER STORM WATER MANAGEMENT MANUAL STORMWATER POLLUTION PREVENTION PLAN TELEPHONE TEMPORARY TEMPORARY TEMPORARY EROSION AND SEDIMENT CONTROL TOP OF WALL TYPICAL WATER WATER MAIN
FL FM FND	= =	FLOW LINE FORCEMAIN FOUND	RT RY S	=	RIGHT ROOF AND YARD SLOPE	WSEL X-ING YPC Ø	= = =	WATER SURFACE ELEVATION CROSSING YELLOW PLASTIC CAP DIAMETER

LEGEND:

- = PROPOSED 22.5 BEND
- CM = PROPOSED GAS METER
- = PROPOSED BOLLARD → ■ PROPOSED STREET LIGHT = PROPOSED LANDSCAPE BUSH & TREE
- = PROPOSED GABION BASKET
- = PROPOSED STORMWATER PIPE, 8"ø = PROPOSED STORMWATER PIPE, 12"ø = PROPOSED CUVLERT = PROPOSED DITCH
- = PROPOSED SEWER LINE, 8"\$ = PROPOSED SEWER LINE, 6"ø = PROPOSED WATER LINE, 8"¢ = PROPOSED WATER LINE, 6" ϕ
- = PROPOSED CUT LINE = PROPOSED FILL LINE
- = PROPOSED TOP OF BANK = PROPOSED BOTTOM OF BANK = PROPOSED DITCH LINE = PROPOSED PERFORATED PIPE = PROPOSED ROOF & YARD DRAIN
 - = PROPOSED COMMON UTITIES = PROPOSED CONTOUR (INDEX) = PROPOSED CONTOUR (NORMAL) = EXST CHAIN LINK FENCE
 - = PROPOSED ASPHALT = PROPOSED CONCRETE
 - = PROPOSED GRAVEL = PROPOSED STRIPING

[AB] = AS-BUILT INFORMATION

BURIED UTILITIES NOTE: ALL UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE LOCATIONS ONYLE 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

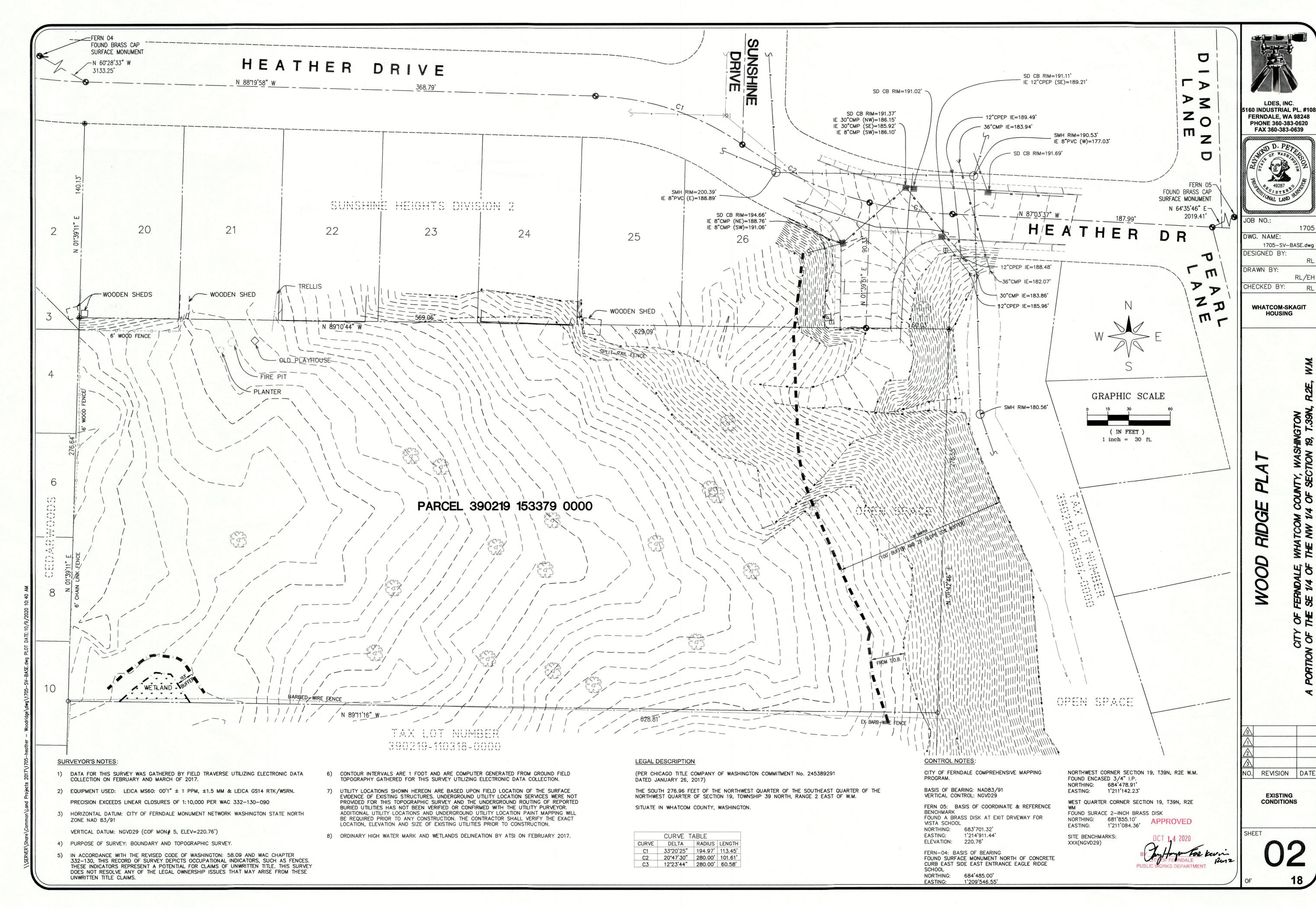


REVISION DAT COVER SHEET

5160 INDUSTRIAL PL., SUITE 108 FERNDALE, WA 98248 CONTACT: RAMON LLANOS, PE. (360) 383-0620

OWNER/APPLICANT WHATCOM SKAGIT HOUSING FERNDALE, WA 98248 CONTACT: RAMON LLANOS (360) 815-4663 ENGINEER LDES, INC.

SURVEYOR LDES, INC. 5160 INDUSTRIAL PL., SUITE 108 FERNDALE, WA 98248 CONTACT: KYLE HAGGITH, PLS. (360) 383-0620



ECORD DRAWIN

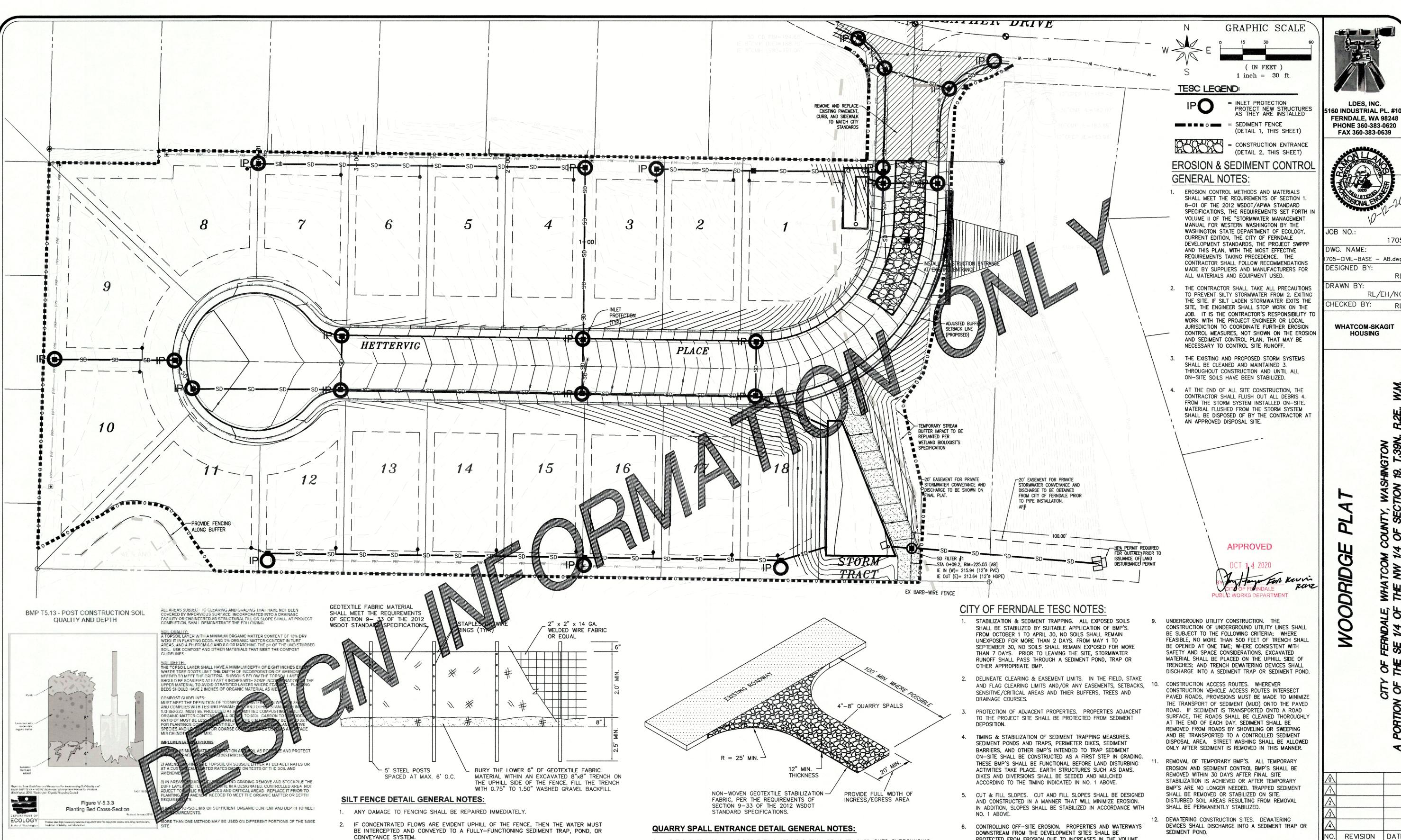
LDES, INC.

FAX 360-383-0639

RL/EH/N

WHATCOM-SKAGIT

HOUSING



3. IT IS IMPORTANT TO PERIODICALLY CHECK THE UPHILL SIDE OF FENCING FOR SIGNS OF

WILL CAUSE CHANNELIZATION PARALLEL TO THE FENCE. TO REMEDY THIS, THE

4. SILT FENCING SHALL BE CONSTRUCTED DIRECTLY AFTER CLEARING AND GRUBBING IS

SILT FENCE DETAIL (BASED ON FERNDALE ST-10)

SILT FENCING SHALL BE RECONSTRUCTED.

CALL 2 BUSINESS DAYS BEFORE YOU DIG

UTILITIES UNDERGROUND LOCATION CENTER

CLOGGING. IF CLOGGING OCCURS, THE FENCE WILL ACT AS A BARRIER TO FLOW AND

CONTRACTOR SHALL REPLACE THE FENCE AND/OR REMOVE THE TRAPPED SEDIMENT.

COMPLETE. THE FENCE SHALL ONLY BE REMOVED WHEN CONSTRUCTION OF UTILITIES

DEEMS IT ABSOLUTELY NECESSARY. IMMEDIATELY AFTER UTILITIES ARE IN-PLACE, THE

5

D. REVISION DAT **TEMPORARY**

EROSION & SEDIMENTATION CONTROL PLAN

SHEET

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.

2. 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.

not to scale

QUARRY SPALL CONSTRUCTION ENTRANCE DETAIL

PROTECTED FROM EROSION DUE TO INCREASES IN THE VOLUME, VELOCITY, AND PEAK FLOW RATE OF STORMWATER RUNOFF FROM 13. THE PROJECT SITE.

STABILIZATION OF TEMPORARY CONVEYANCE CHANNELS & OUTLETS. ALL TEMPORARY ON-SITE CONVEYANCE CHANNELS SHALL BE DESIGNED, CONSTRUCTED AND STABILIZED TO PREVENT EROSION FROM THE EXPECTED VELOCITY OF FLOW FROM A 2-YEAR, 24-HOUR FREQUENCY STORM FOR THE DEVELOPED CONDITION. STABILIZATION ADEQUATE TO PREVENT EROSION OF OUTLETS, ADJACENT STREAMBANKS, SLOPES AND DOWNSTREAM REACHES SHALL BE PROVIDED AT THE OUTLETS OF ALL CONVEYANCE SYSTEMS.

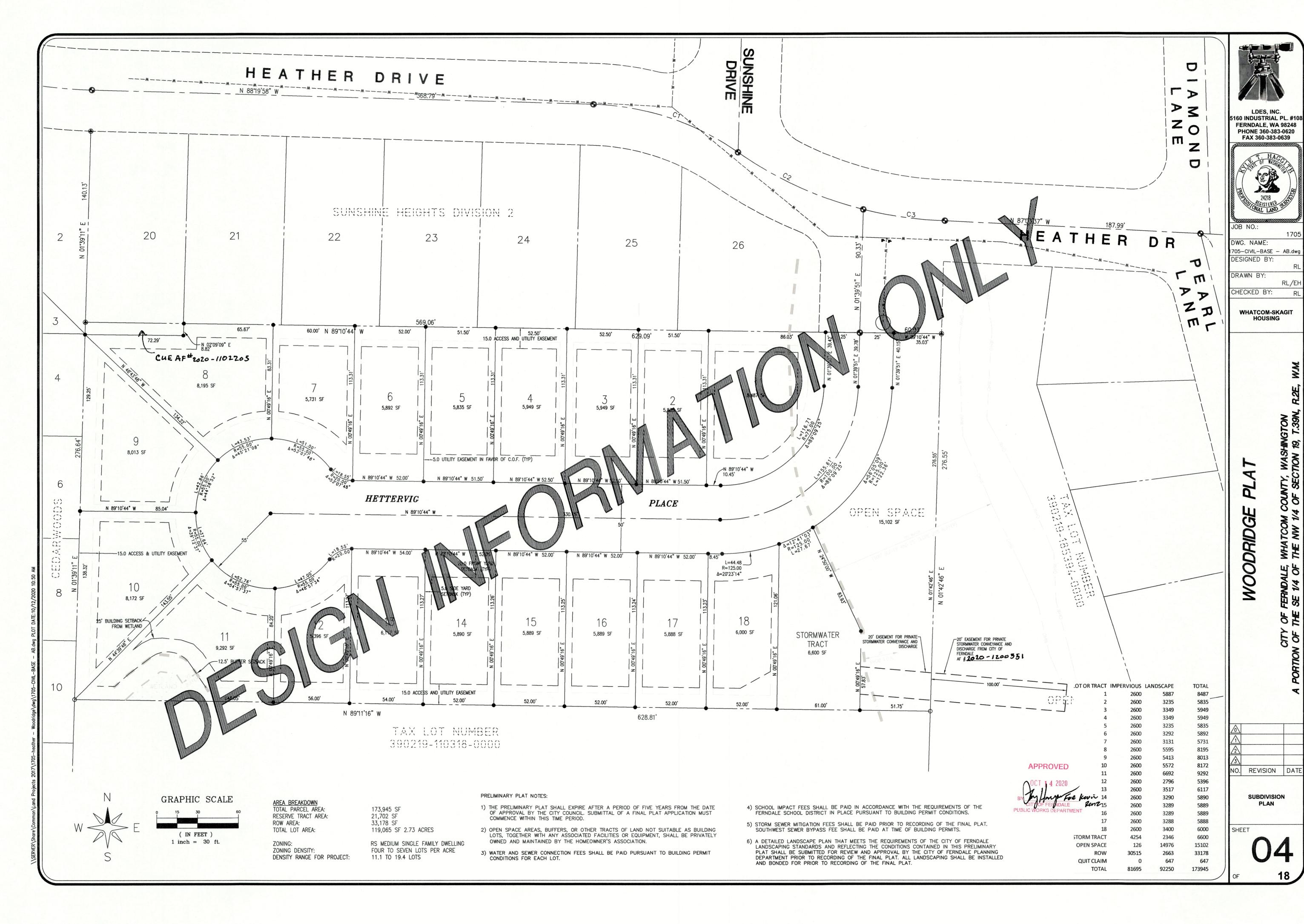
STORM DRAIN INLET PROTECTION. ALL STORM DRAIN INLETS MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT STORMWATER RUNOFF SHALL NOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.

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.

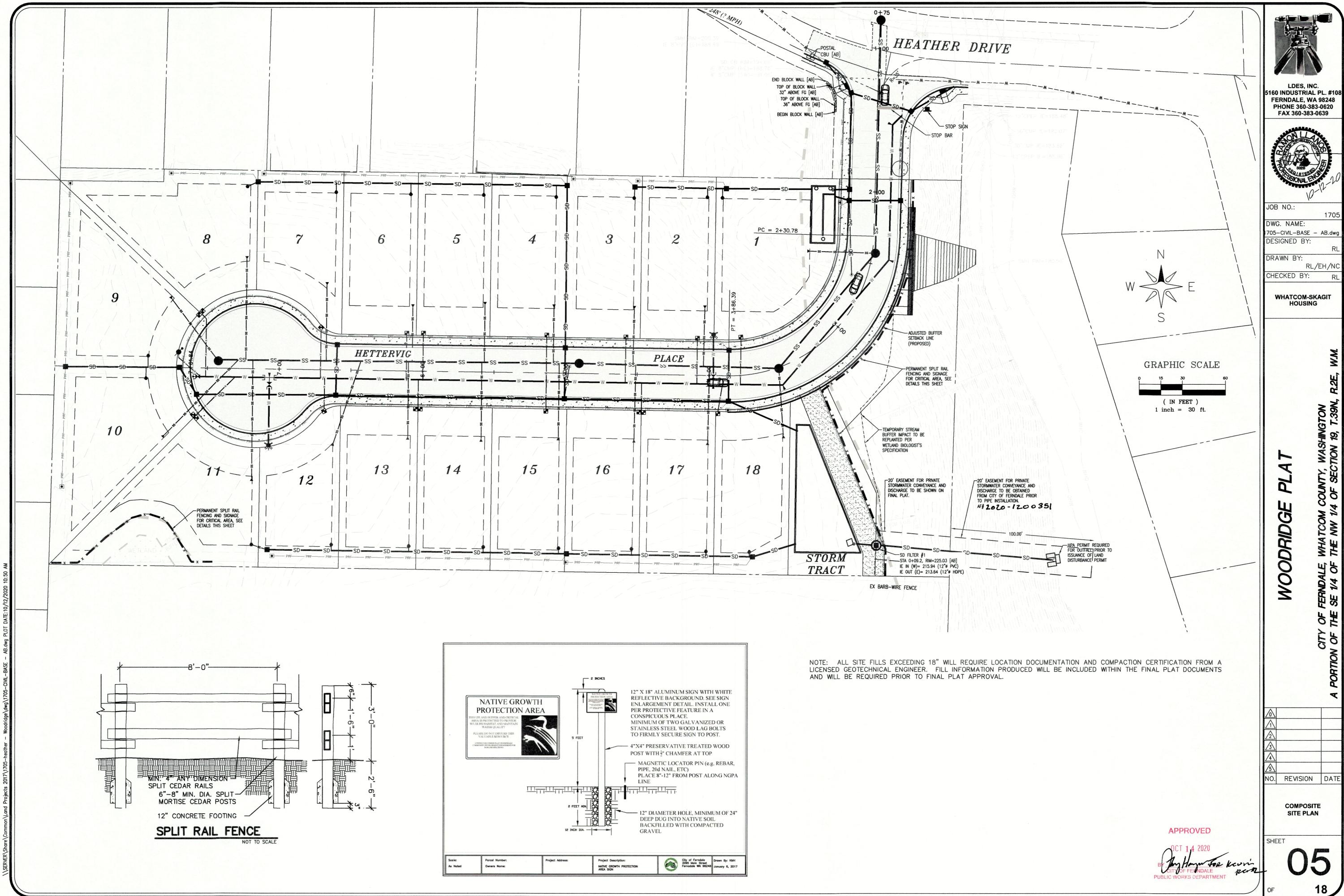
MAINTENANCE. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL BMP'S SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED

FINANCIAL LIABILITY. PERFORMANCE BONDING, OR OTHER APPROPRIATE FINANCIAL INSTRUMENTS, SHALL BE REQUIRED FOR ALL PROJECTS TO ENSURE COMPLIANCE WITH THE APPROVED TESC PLAN.

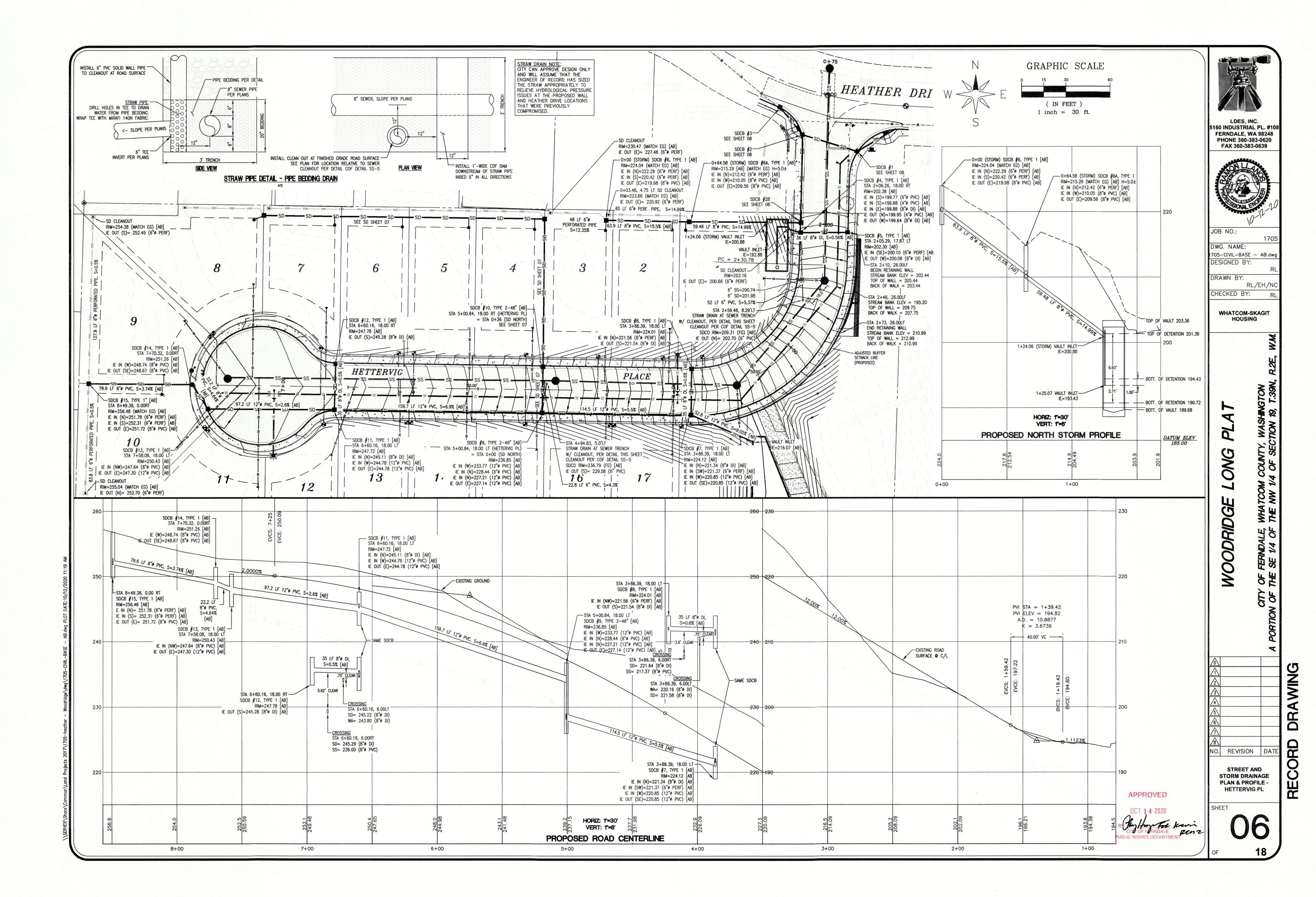
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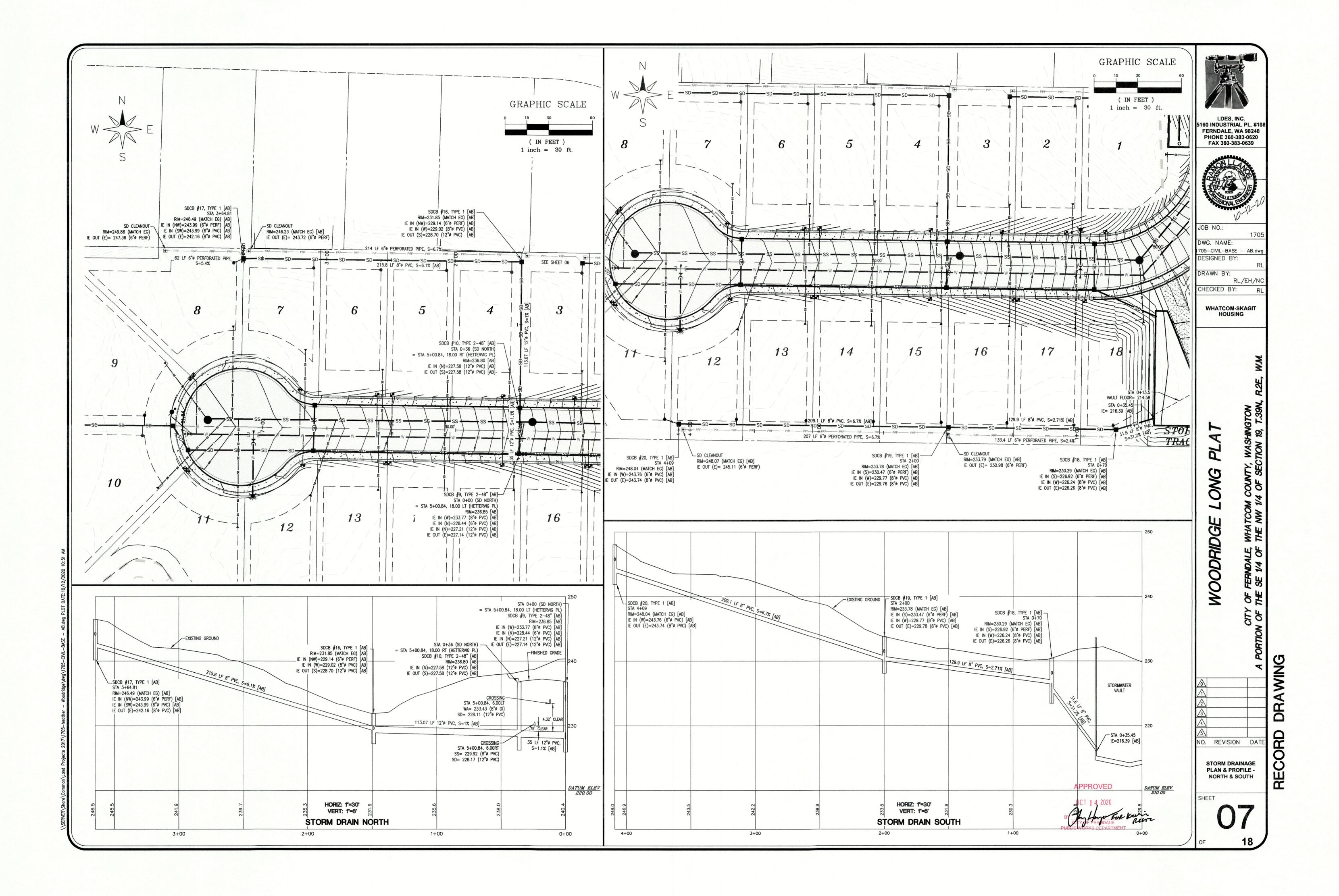


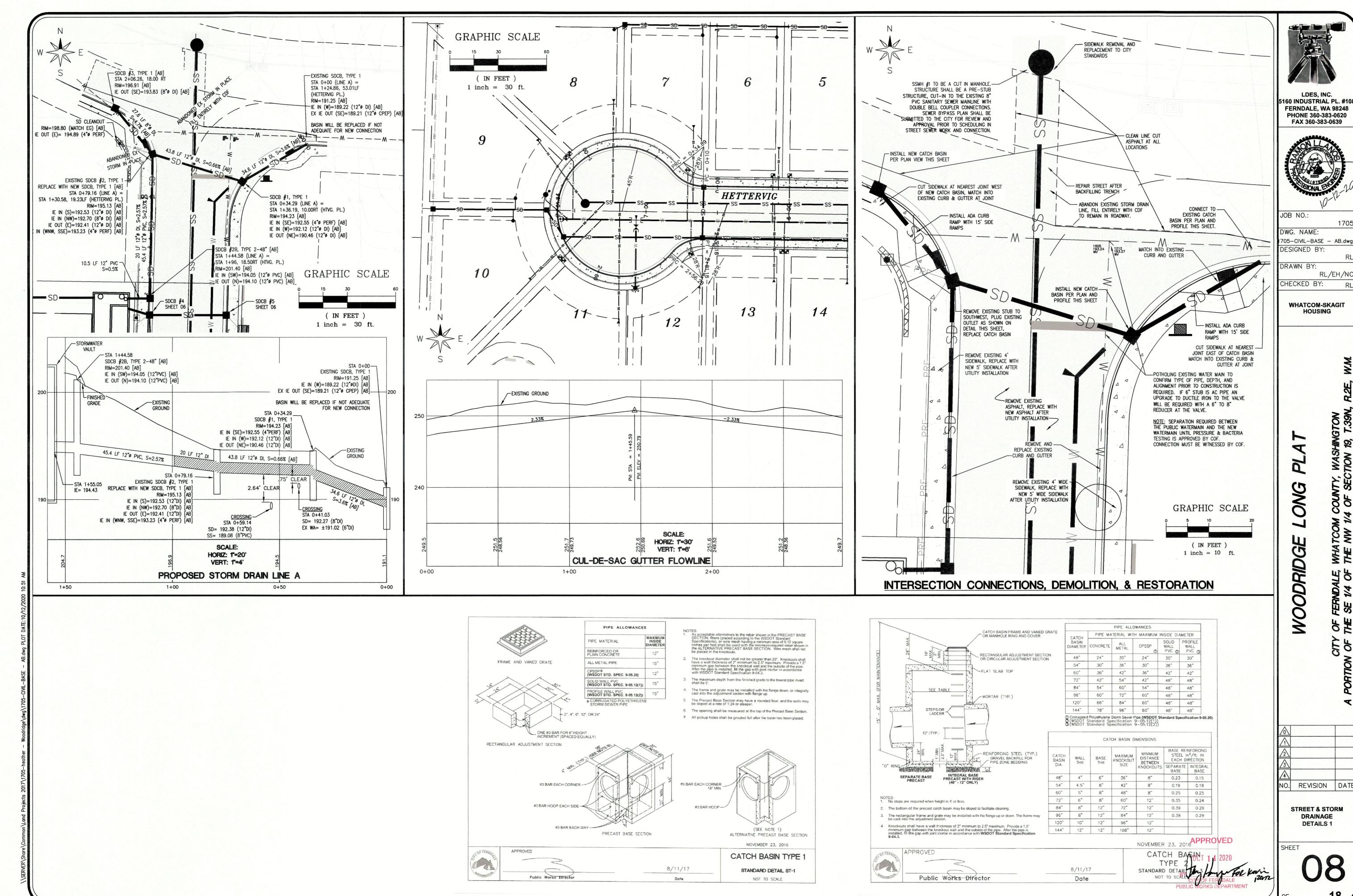
RECORD DRAWING



RECORD DRAWING

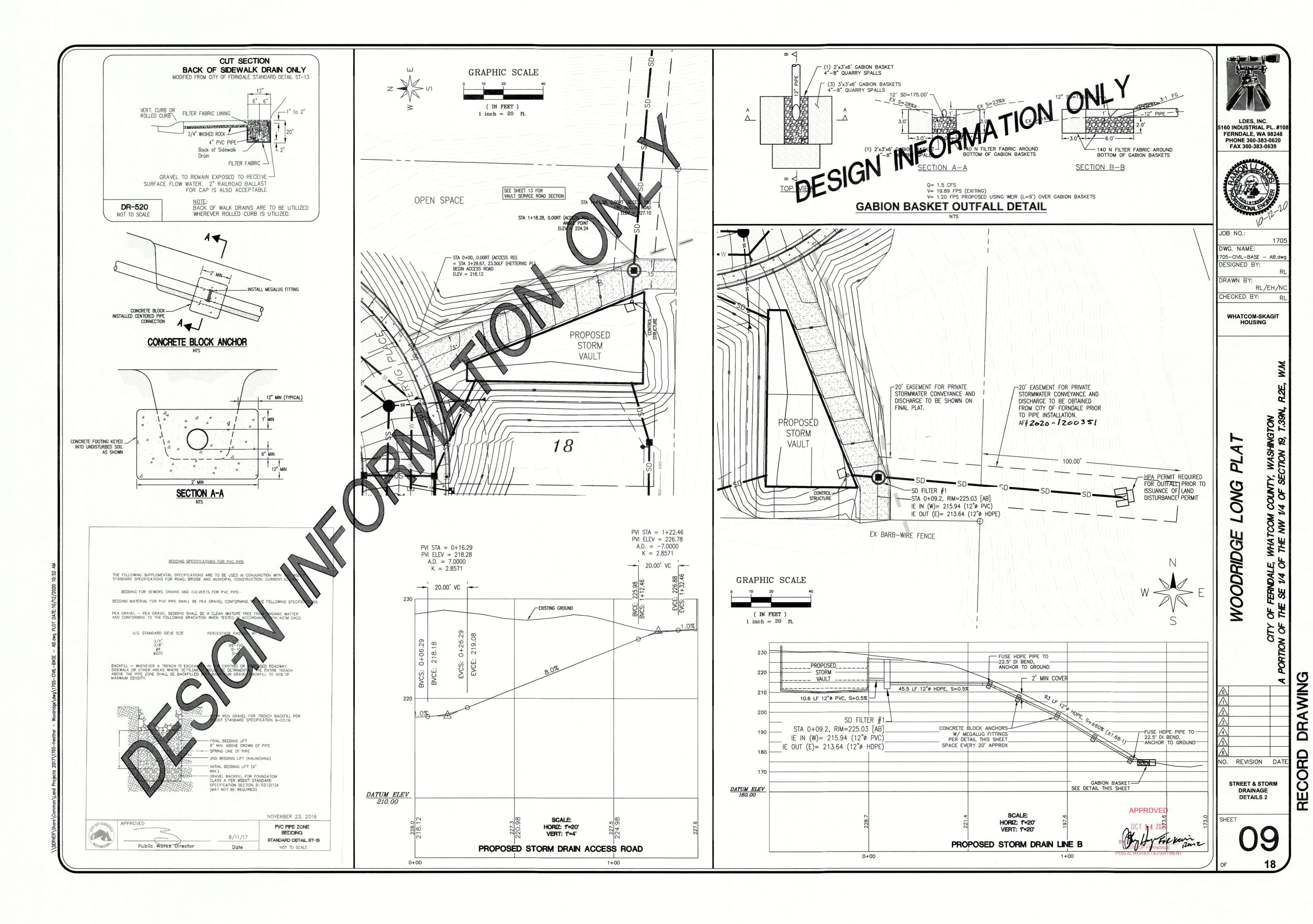


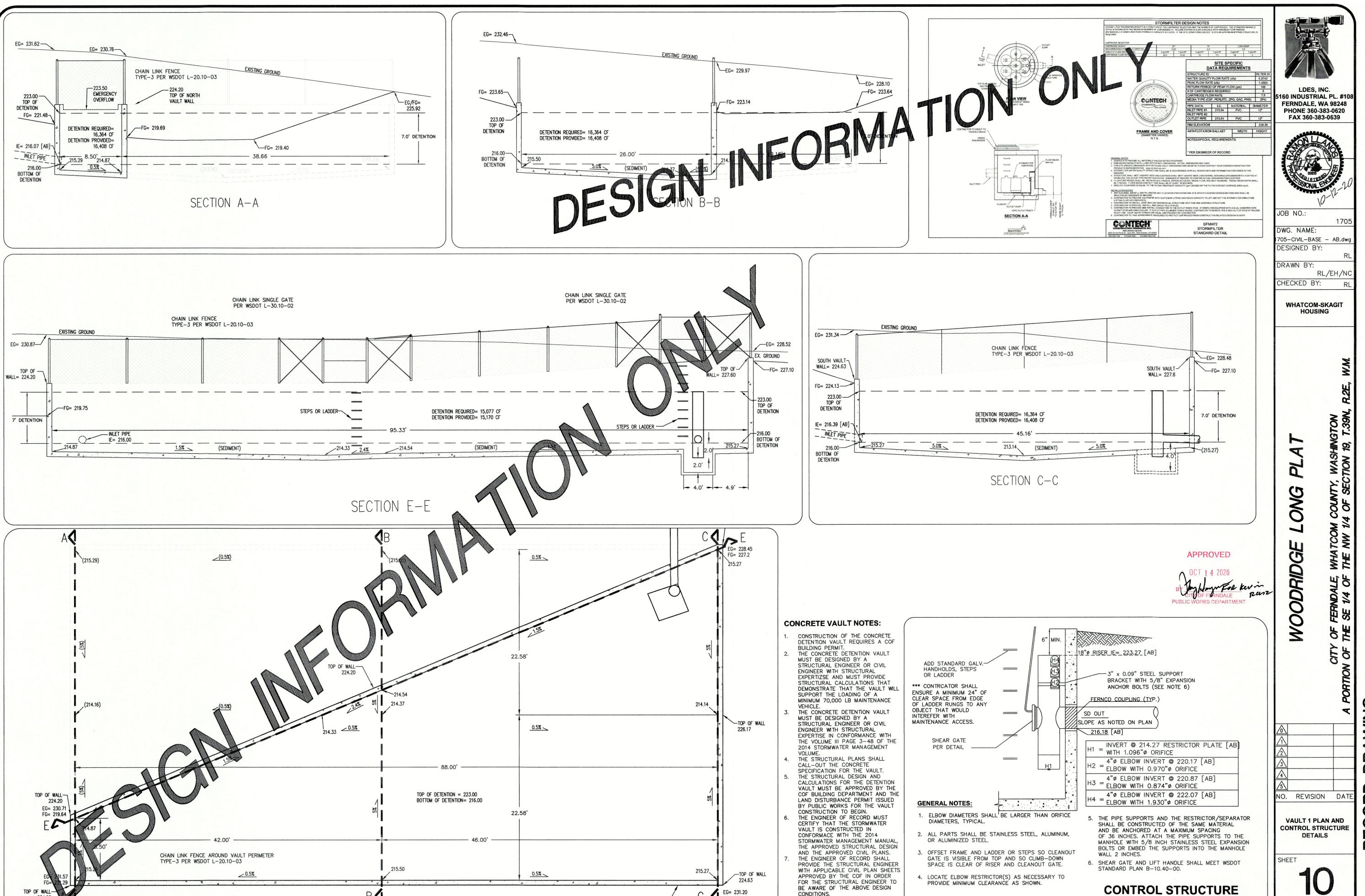




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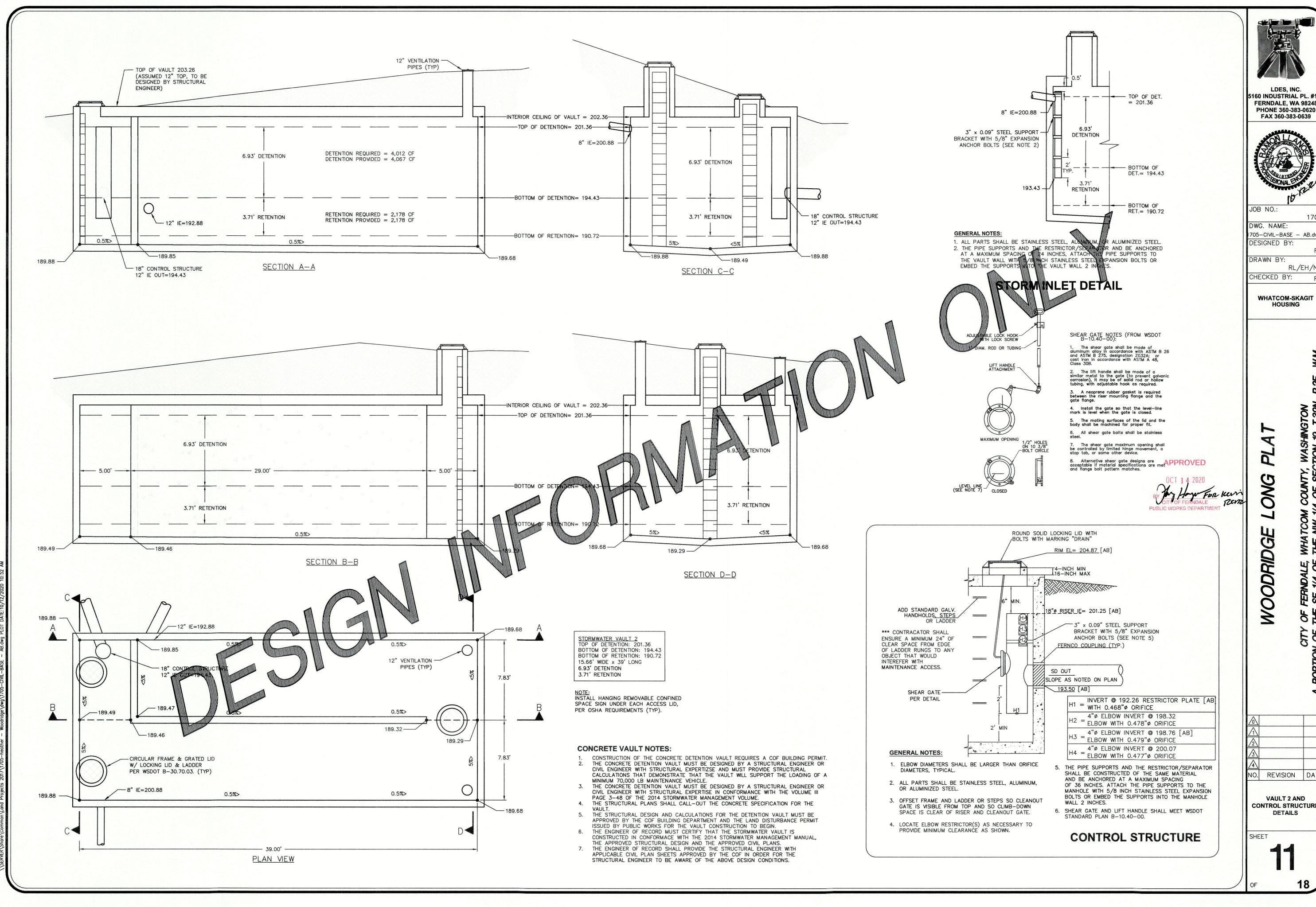




CONDITIONS.

FG= 224.13

WING DRA RECORD



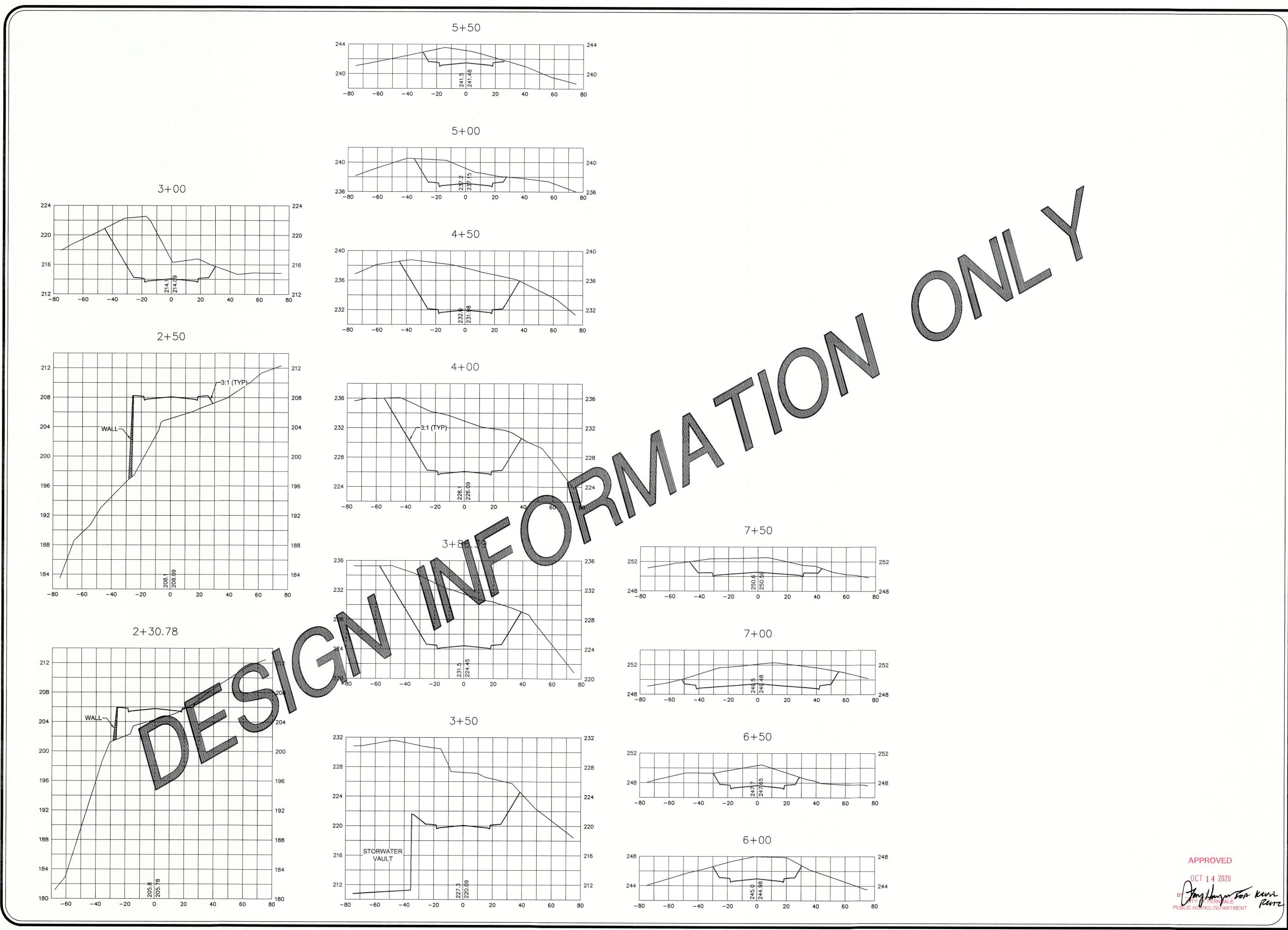
5160 INDUSTRIAL PL. #10 FERNDALE, WA 98248 PHONE 360-383-0620 FAX 360-383-0639

705-CIVIL-BASE - AB.dwg

RL/EH/NO

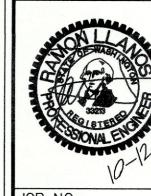
REVISION DAT **VAULT 2 AND CONTROL STRUCTURE**

5





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



JOB NO.: DWG. NAME: DESIGNED BY:

DRAWN BY: RL/EH/NC

CHECKED BY: WHATCOM-SKAGIT HOUSING

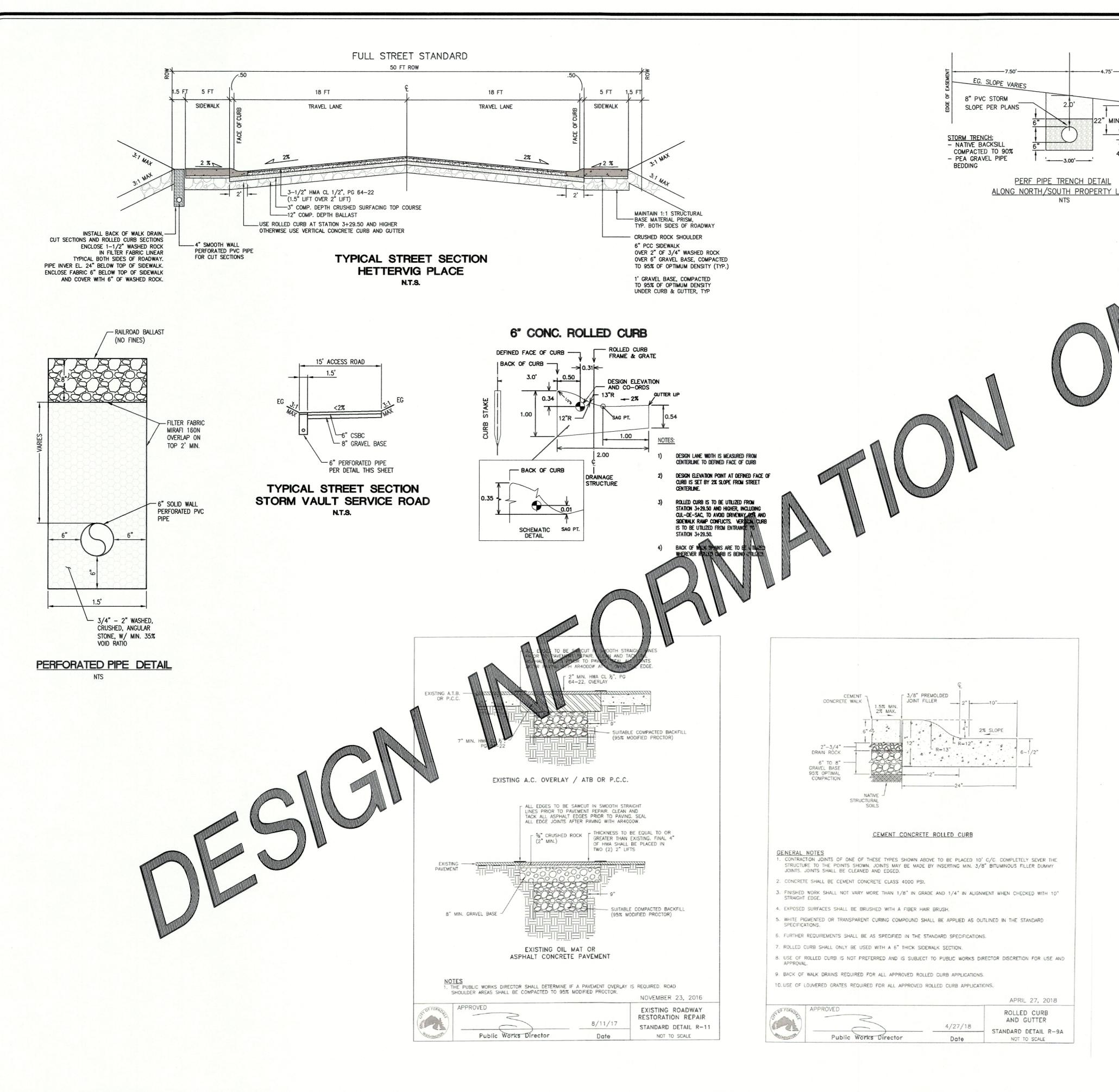
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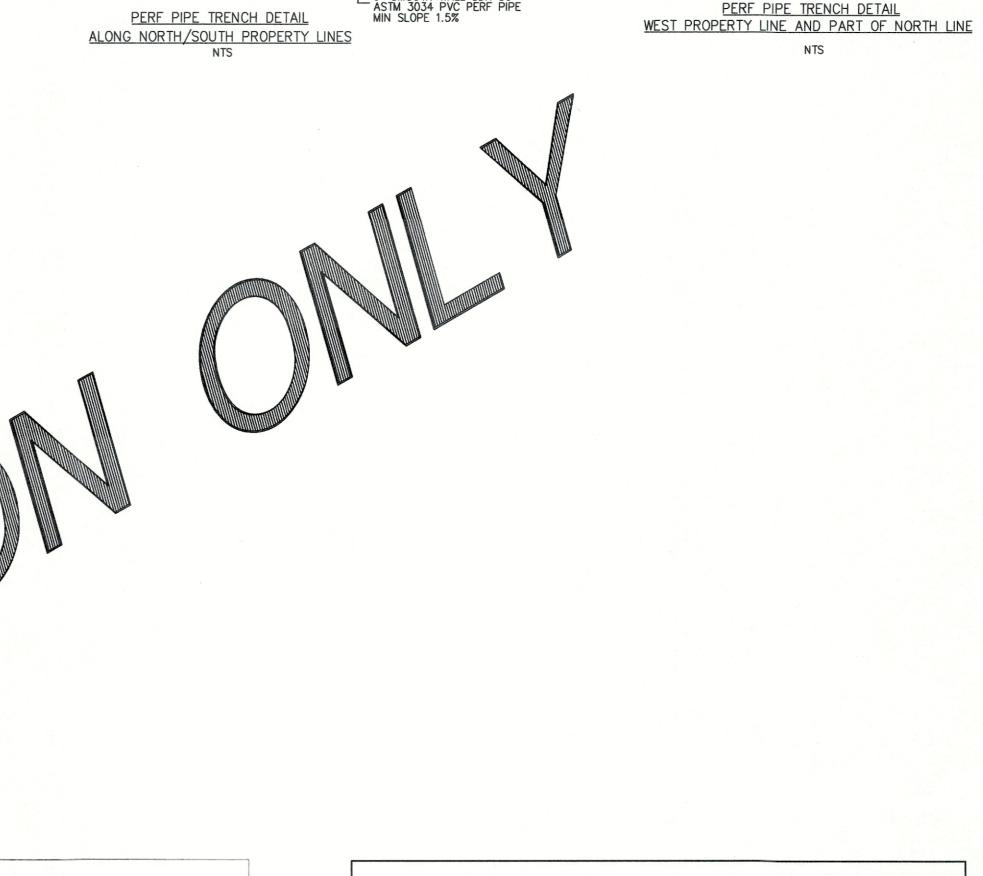
WOODRIDGE

DRAWING

RECORD

NO. REVISION DATE SITE GRADING CROSS-SECTIONS

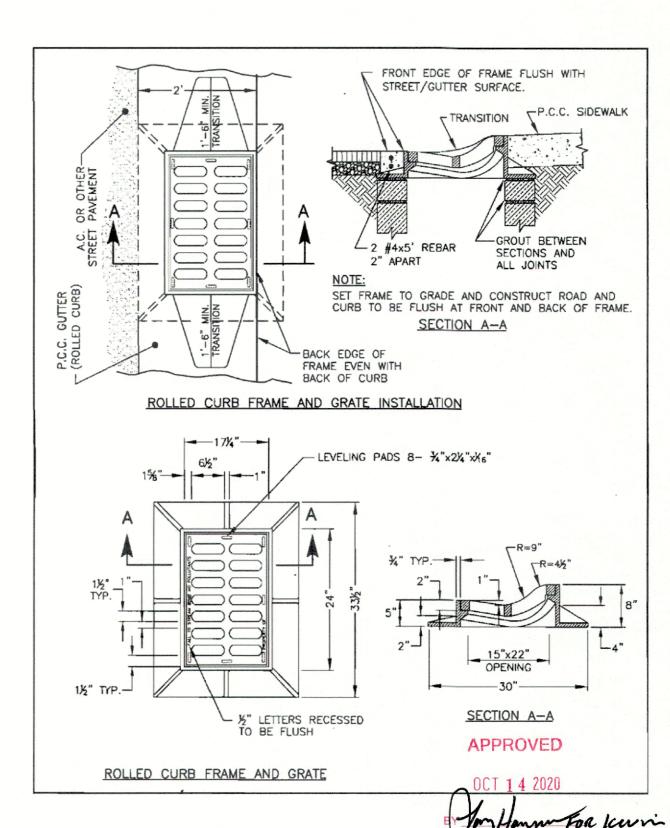




4" OF 2" RAILROAD BALLAST

(MIRAFI 140N)

└ 1-1/2"WASHED ROCK





4" OF 2" RAILROAD BALLAST

FILTER FABRIC

1-1/2"WASHED ROCK

(MIRAFI 140N)

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

JOB NO .: DWG. NAME: 705-CIVIL-BASE - AB.dwg DESIGNED BY: DRAWN BY:

RL/EH/NC CHECKED BY: WHATCOM-SKAGIT

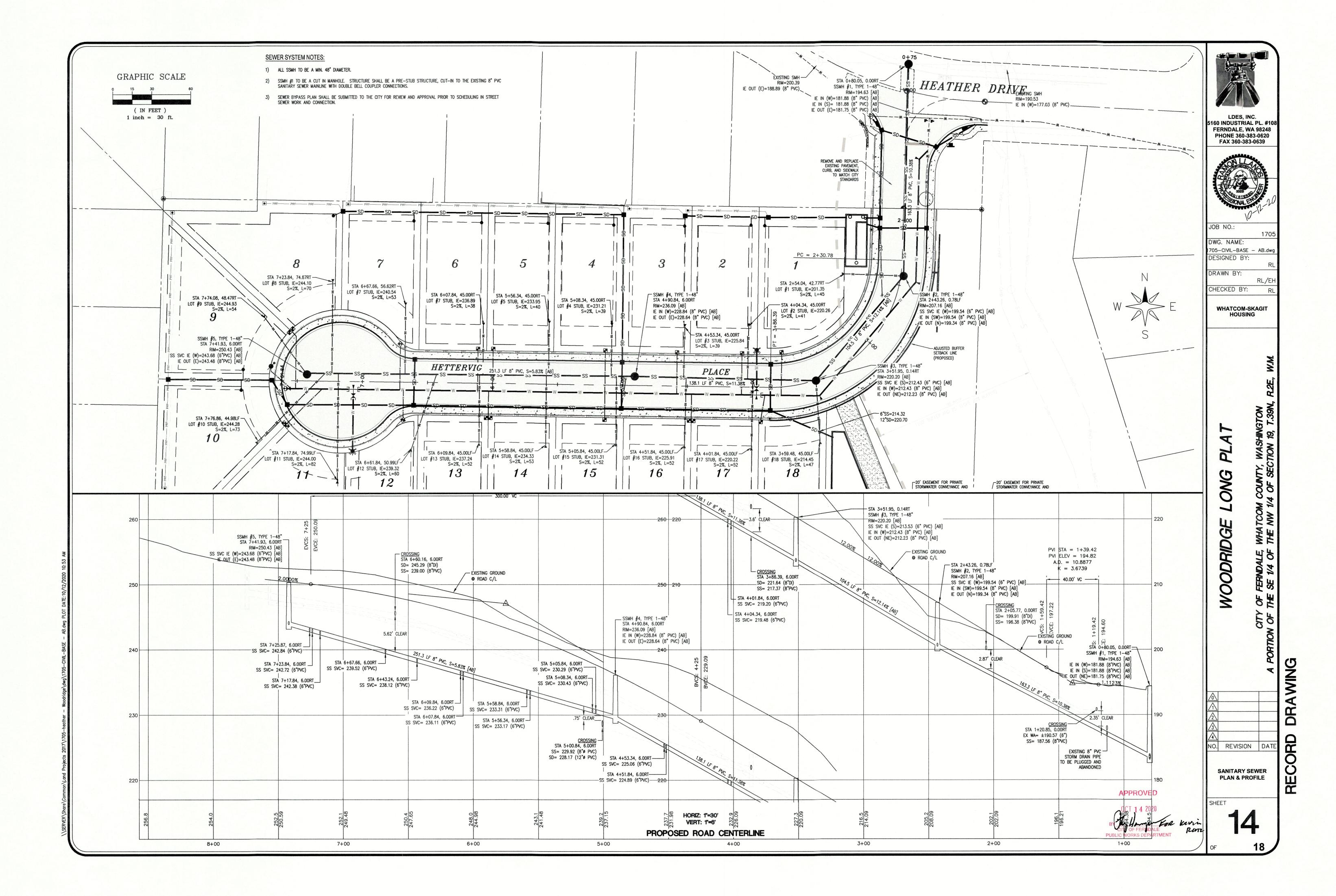
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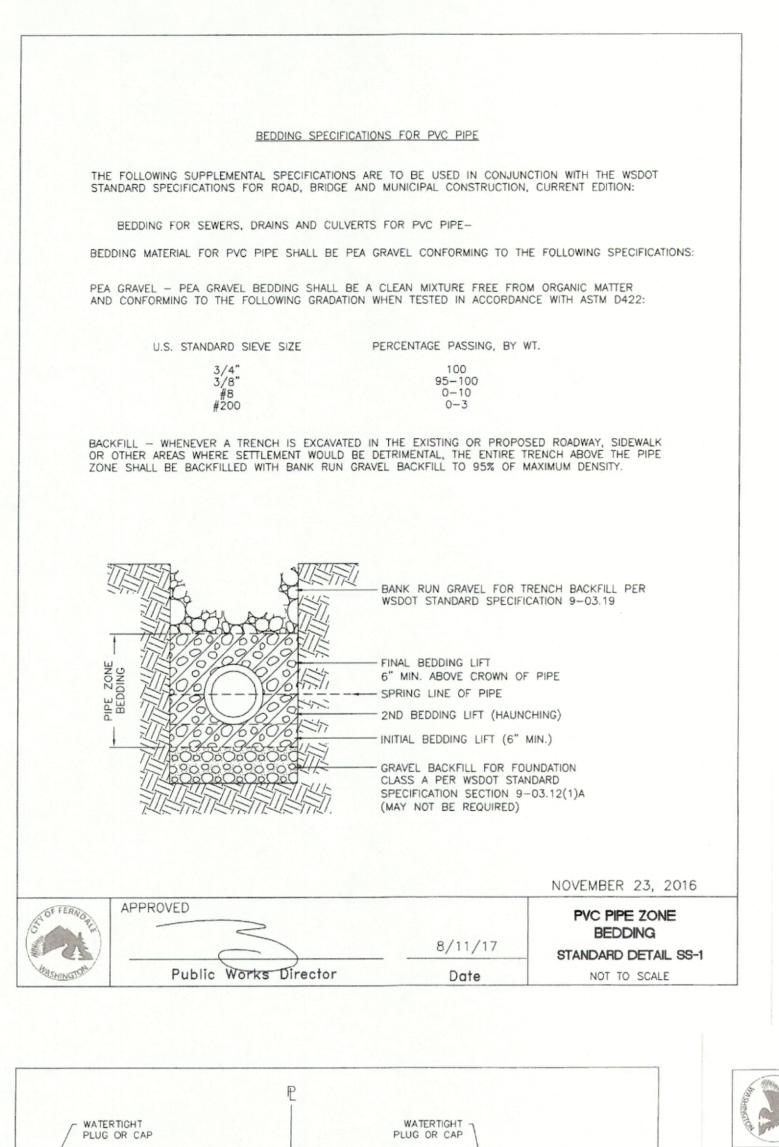
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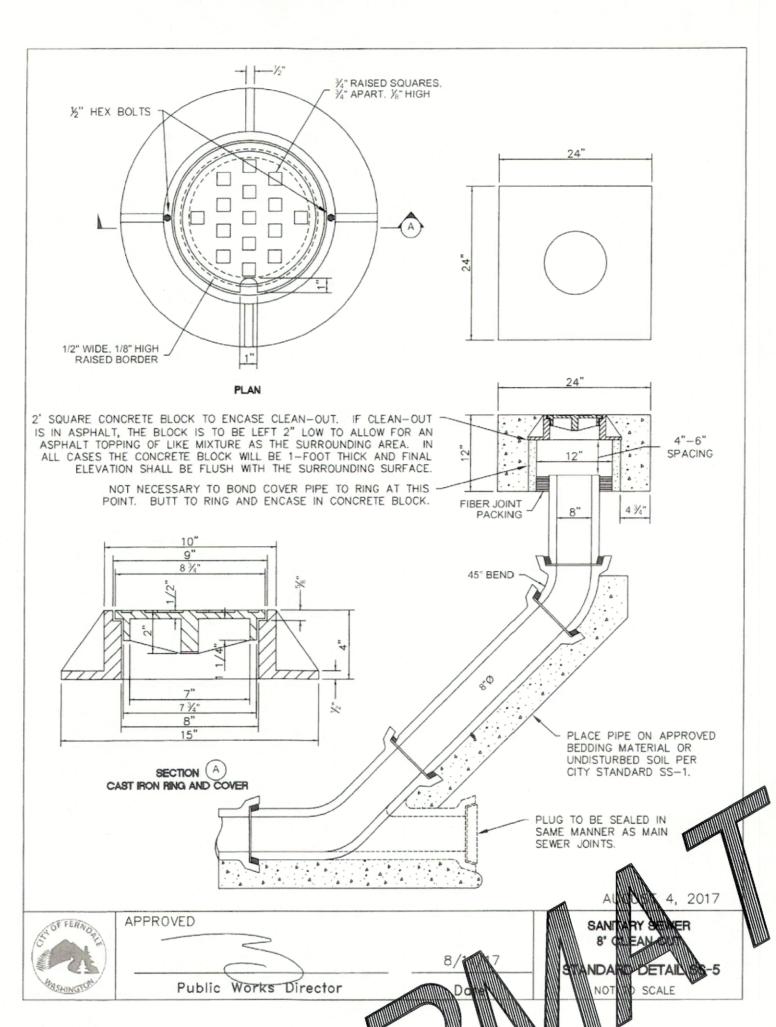
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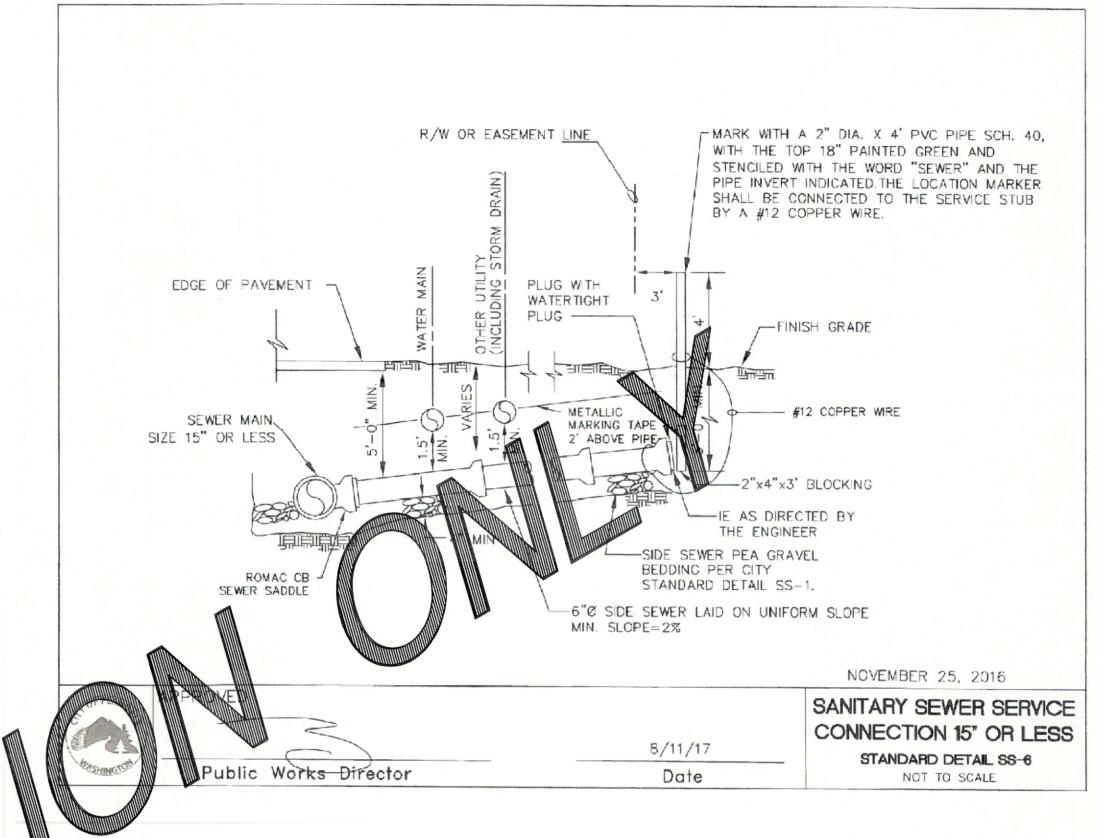
DRA NO. REVISION DATE REC STREET & STORM DRAINAGE **DETAILS 3**

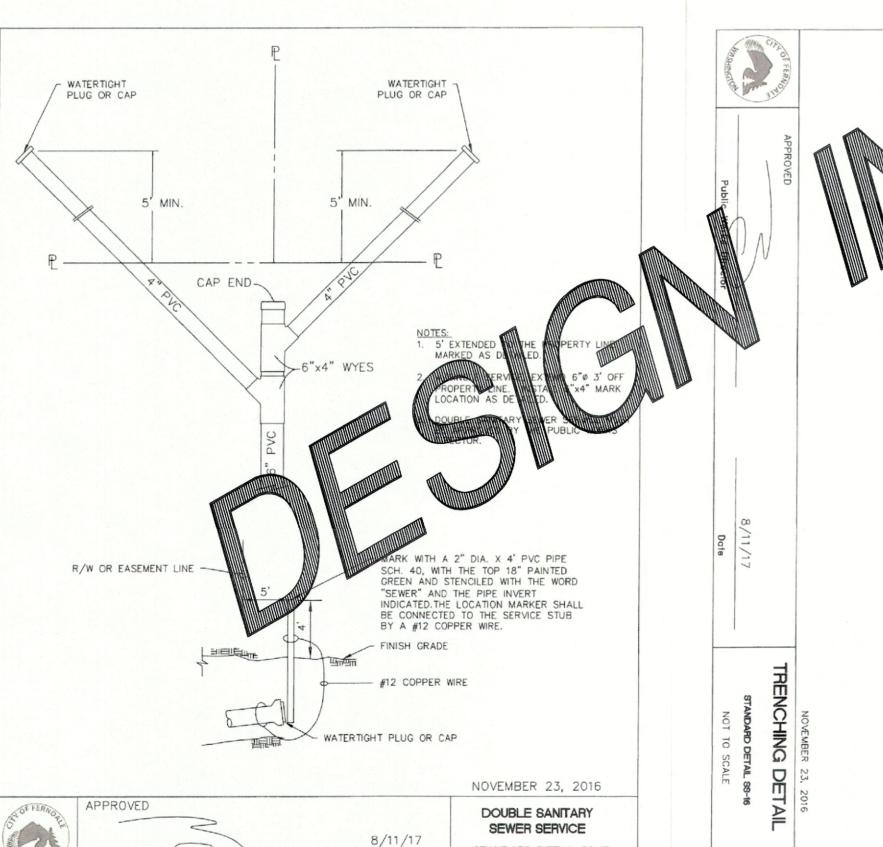
SHEET









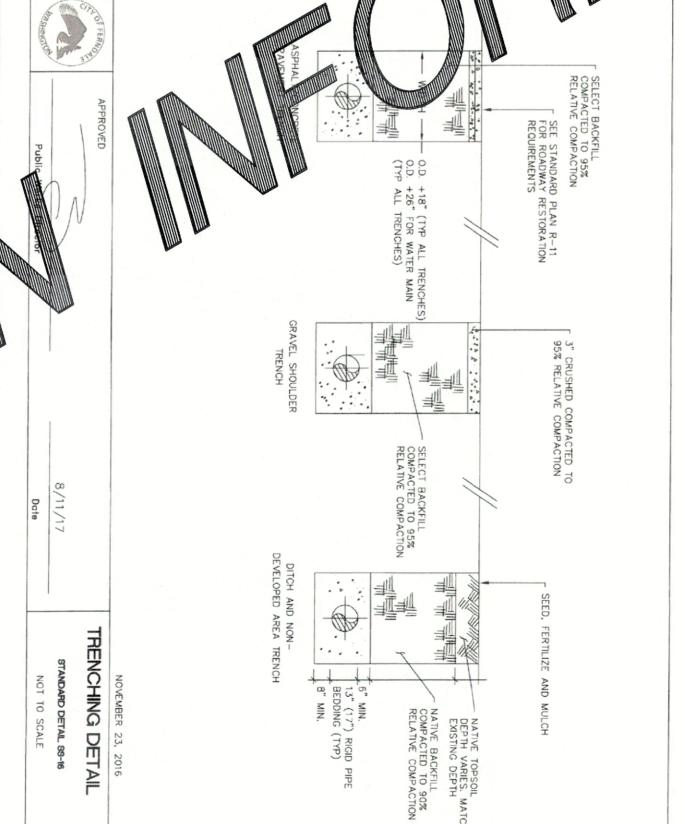


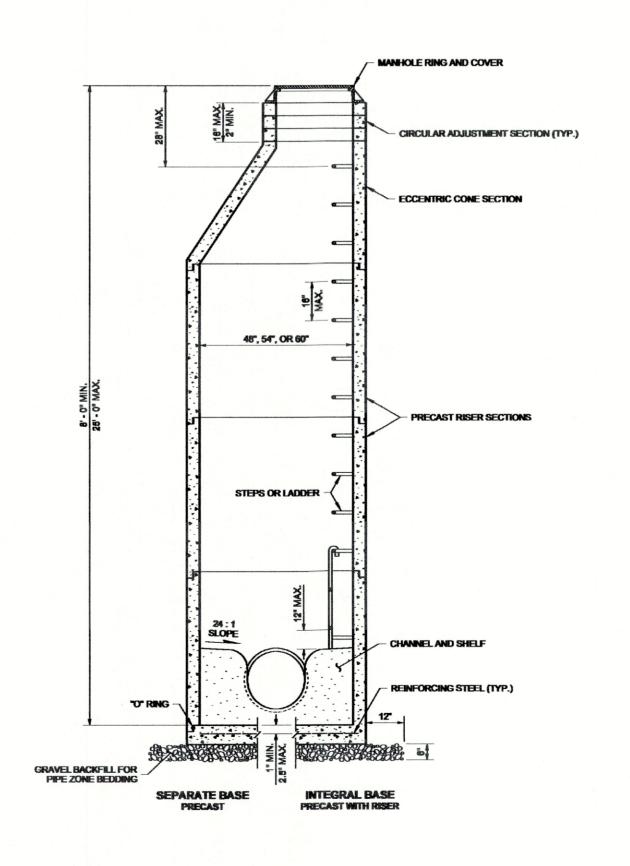
Date

Public Works Director

STANDARD DETAIL SS-15

NOT TO SCALE





APPROVED

- 1. Knockouts shall have a wall thickness of 2" minimum to 2.5" maximum. 2. For pipe allowances, see Standard Plan B-10.20.

	MANHOLE	ON TABLE	N TABLE				
DIAM.	WALL THICKNESS	MIN. BASE THICKNESS	MAXIMUM KNOCKOUT SIZE	MINIMUM DISTANCE BETWEEN KNOCKOUTS			
48"	4"	6"	36"	8"			
54°	4.5"	8"	42"	8"			
60"	5"	8"	48"	8"			



NOTE: BUTAN THE BIO THE ATT PORTAIN
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NC.
02-07-12
DATE
esportuisce

NO. REVISION DATE

LDES, INC.

FERNDALE, WA 98248

FAX 360-383-0639

PHONE 360-383-0620

JOB NO.:

DWG. NAME:

DESIGNED BY:

CHECKED BY:

DRAWN BY:

ONG

WOODRIDGE

705-CIVIL-BASE - AB.dwg

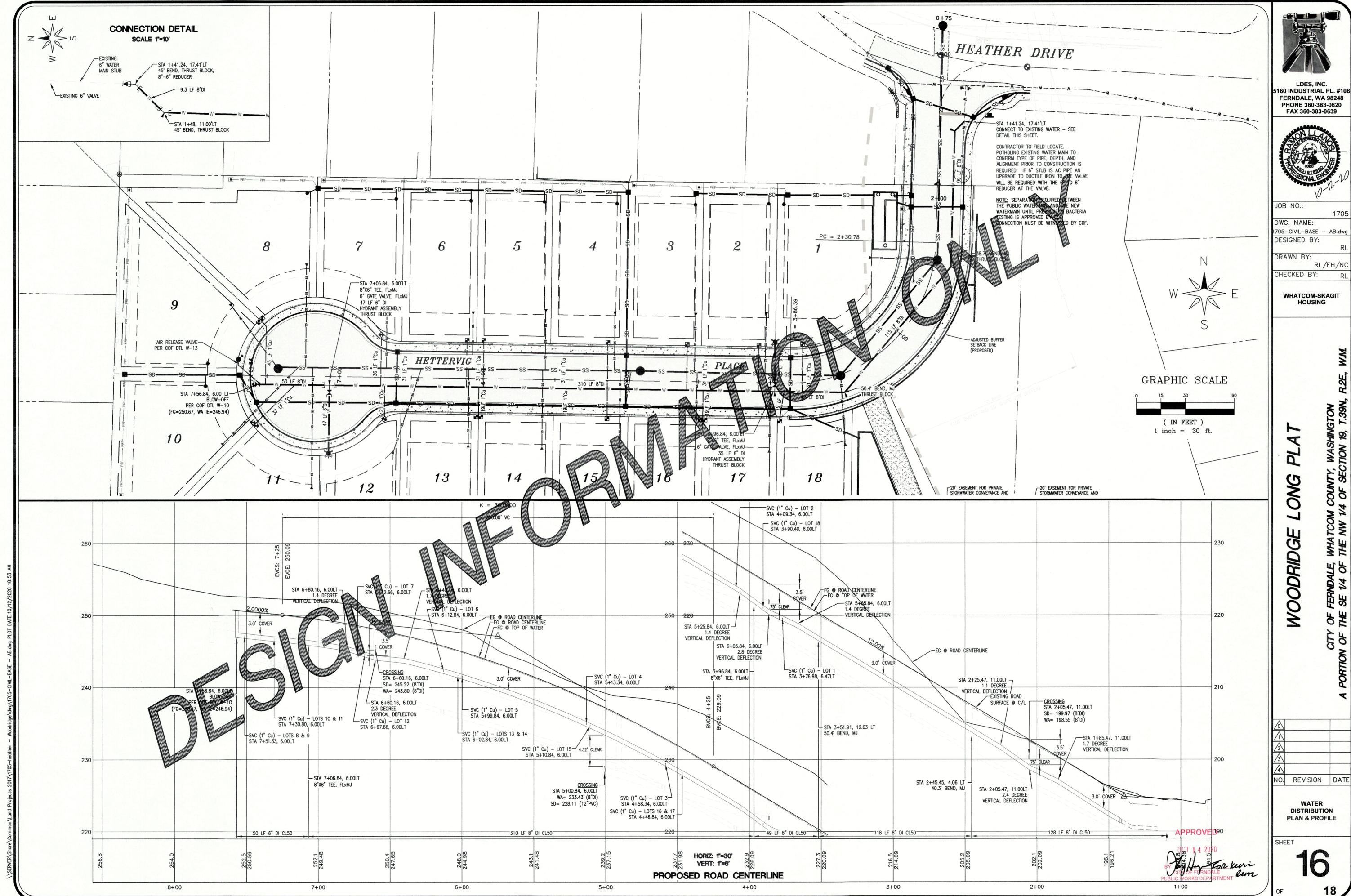
WHATCOM-SKAGIT

HOUSING

5160 INDUSTRIAL PL. #10

DETAILS

8 SANITARY SEWER



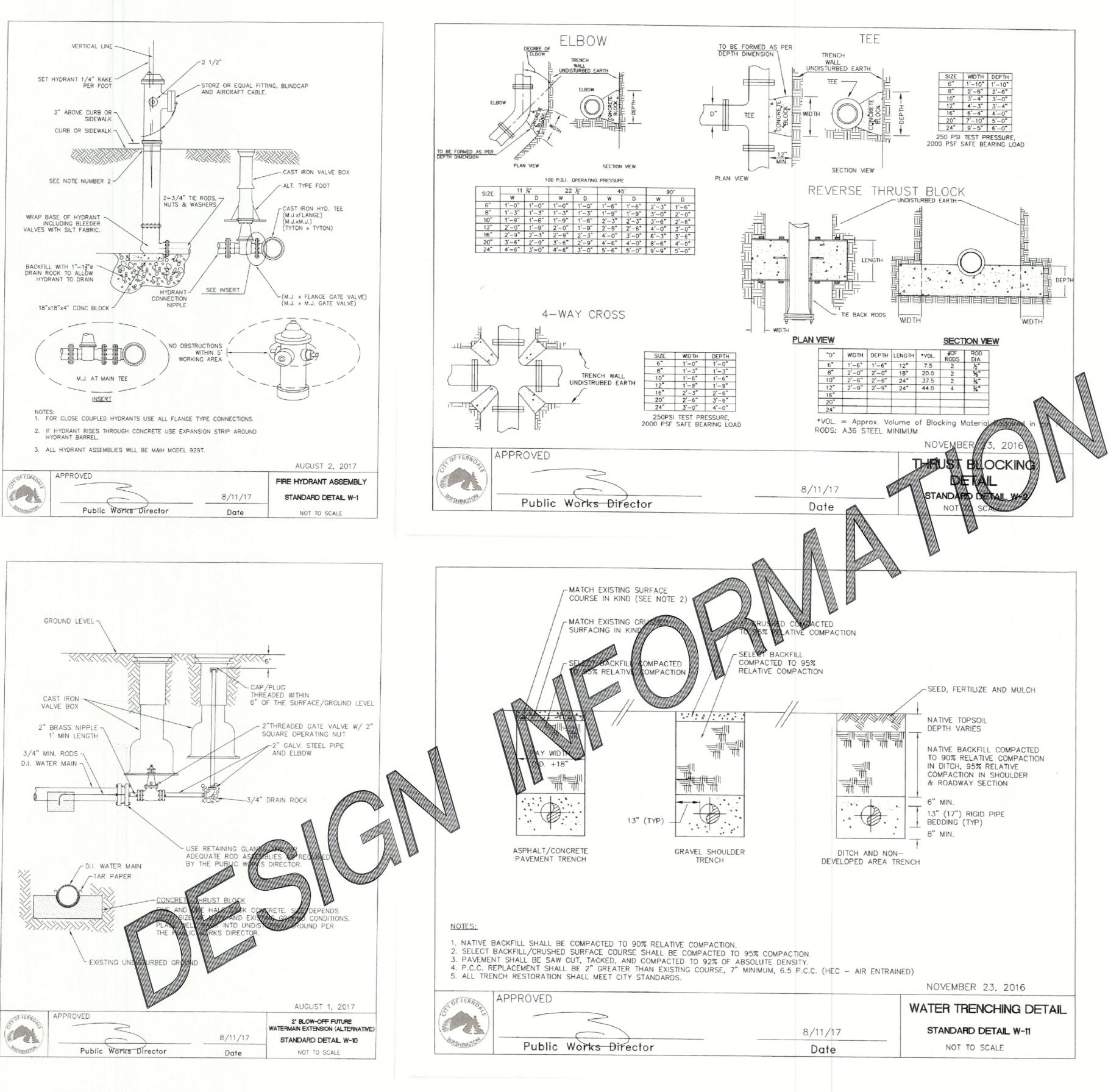
WOODRIDGE

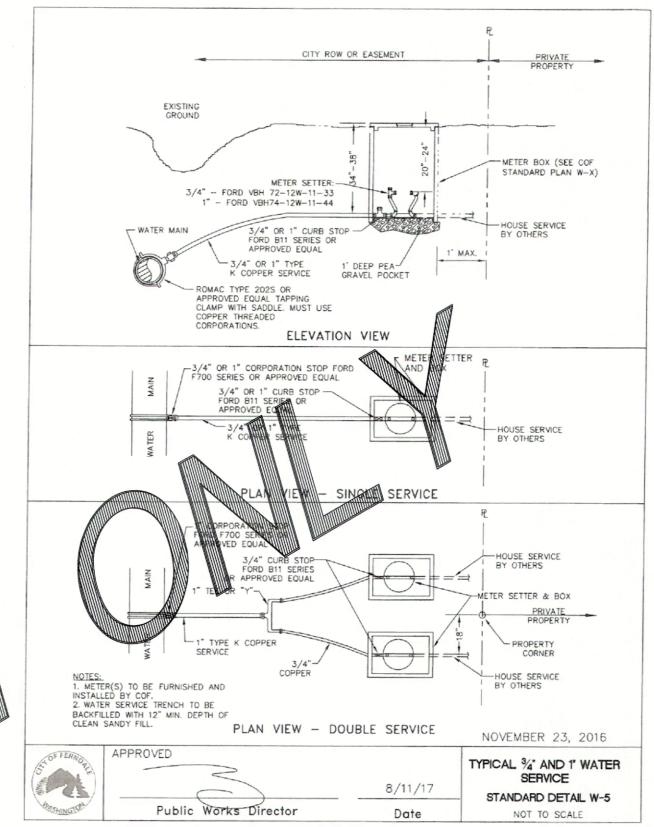
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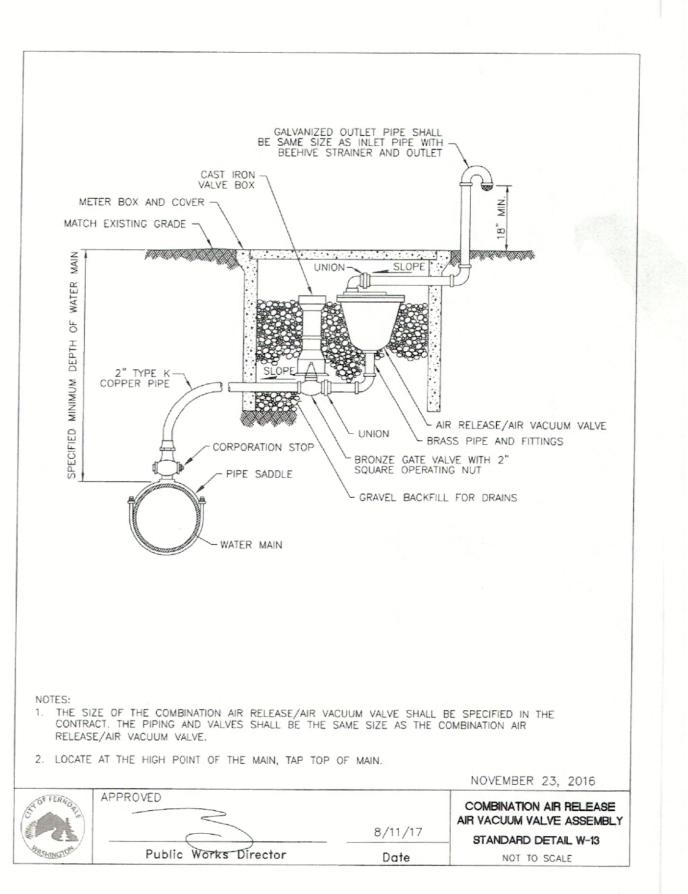
REVISION DATE WATER DISTRIBUTION **PLAN & PROFILE**

RECORD

DRAWING









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

JOB NO .: DWG. NAME:

1705-CIVIL-BASE - AB.dwg DESIGNED BY: DRAWN BY CHECKED BY: WHATCOM-SKAGIT HOUSING

WATER

DRA

RECORD

APPROVED

REVISION DATE DISTRIBUTION DETAILS

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1. 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 2005 VERSION OF THE DEPARTMENT OF ECOLOGY STORM WATER MANAGEMENT MANUAL
       FOR WESTERN WASHINGTON (DOE MANUAL). IN CASE OF A CONFLICT BETWEEN PLANS, RECULATORY 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 FRIDAY.
       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
       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
      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
       E. GRADING OF PUBLIC OR PRIVATE ROADWAY AT:

    COMPLETION OF EXCAVATION TO SUBGRADE

               2. COMPLETION OF BALLAST COURSE PLACEMEN'
               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.
       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 PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED 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 DEPARTMENT.
      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 THAT AS-BUILT INFORMATION IN THE CITY DATA DATABASE IS ACCURATE AND WILL
       NOT BE HELD REPONSIBLE IF FIELD MODIFICATIONS ARE REQUIRED BECAUSE POTHOLING WAS NOT DONE PRIOR TO DESIGN.
16. ALL STRUCTURES AND WATER MAIN 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/OR PROJECT DELAYS.
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.
      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.
       i. 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.
       ALL UTILITY TRENCHES IN THE RIGHT OF WAY SHALL BE BACKFILLED WITH ?-INCH MINUS OR 5/8-INCH MINUS WELL GRADED CRUSHED ROCK.
       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."
       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.
       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.
       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.
 BASE COURSES & CRUSHED SURFACING
       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 PROMOTE
       OF SATISFACTORY PASSING GRADING AND DEGRADATION TEST RESULTS TO THE ENGINEER.
       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
                                                                            COFSD ST-7 (CITY OF FERNDALE STD DETAIL)
        "RESIDENTIAL SERVICE LINE"
                                                                            COFSD ST-16 (CITY OF FERNDALE STD DETAIL)
       CATCH BASINS
       STORM SEWER PIPE HAVING DIAMETERS GREATER THAN 8" SHALL BE CORRUGATED POLYETHYLENE PIPE (CPEP) UNLESS APPROVED BY THE CITY OF FERNDALE; ALL OTHER STANDARD WER PIP
       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)
                                                                                                                                                                                                                                     TILE IRON PIPE MAY
       BE USED FOR STORM PIPES WITH LESS THAN 18" OF COVER IF APPROVED BY THE CITY.
       COVER OVER PIPES SHALL BE MAINTAINED DURING CONSTRUCTION. DEPTH OF COVER REQUIRED SHALL CONFORM TO THE MANUFACTURER'S RECOMMENDATIONS AND WILL
        PIPE. NO ADDITIONAL COMPENSATION SHALL BE PROVIDED FOR DAMAGE TO PIPE DURING CONSTRUCTION ACTIVITIES.
       AT THE END OF ALL SITE CONSTRUCTION, THE CONTRACTOR SHALL CLEAN ALL DEBRIS FROM CATCH BASINS AND STORMWATER CONVEYANCES.
       STORMWATER SYSTEMS.
      POSITIVE LOT DRAINS PER STANDARD DETAIL ST-16.
      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
        THRUST BLOCKING
                                                 COFSD W-2, W-3 & W-4
       WATER SERVICE
                                                 COFSD W-5
      ALL WORK AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE CITY OF FEMALE SHALL OF ALL WATER MAIN PIPE SHALL BE DUCTILE IRON, MINIMUM THICKNESS CLASS 50, PER A STANDARDS WATERIAL FOR STANDARDS THE PROPERTY OF THE PROP
                                                                                                                                                                    705 AND THE MOST RECENT VERSION OF WSDOT STANDARD SPECIFICATIONS.
                                                                                                                                       DARDS, SECTIONS NO
                                                                                                        WA STANDARDS HAND AND C151-71, WITH COLUMN LINING PER AWWA STANDARD C104-71.
LL BE DUCTILE IRON DOING SHALL BE AND, FLANGED OR PUSH-ON JOINTS AND SHALL CONFO
                                                                                                                                                         FLANGED OR PUSH-ON JOINTS AND SHALL CONFORM TO AWWA SPECIFICATIONS C-110-71
       MATERIAL FOR FITTINGS SUCH AS CROSSES, TEES, BENDS, REDUCERS AND SLEAVES
                                                                                                                                     AS DIRECTED BY THE PROJECT ENGINEER. BLOCKS SHALL BE INSTALLED AS SPECIFIED IN SECTION
       CONCRETE BLOCKING SHALL BE AS SPECIFIED IN CITY OF FERNDALE,
     7-09.3(21) OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORT FON STANDARD SPECIFICATIONS OF REAL BRIDGE OR MUNICIPAL CONSTRUCTION. NO PRE-CAST BLOCKS ARE ALLOWED.

CONNECTIONS TO EXISTING WATER MAINS - THE CONTRACTOR MUST NOTIFY THE CITY OF FERNDALE PUBLIC WASHS DIRECTOR OF A PROPOSED CONNECTION AT LEAST FOUR WORKING DAYS IN ADVANCE.

ALL HYDROSTATIC TESTING AND DISINFECTION OF WATER MAINS STALL CONFORM O SECTION 7-09.3(24) OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE OR MUNICIPAL CONSTRUCTION TO CITY OF FERNDALE REQUIREMENTS. THE CITY OF FERNDALE LABORATORY SHALL BE DONE ACCORDING TO CITY OF FERNDALE REQUIREMENTS. THE CITY OF FERNDALE LABORATORY SHALL BE DISINFECTION BEACTERIOLOGICAL TESTS. THE PIPE WILL NOT PASS TESTING UNLESS A ZERO BACTERIAL COUNT IS MEASURED ON TWO CONSECUTIVE TESTS, CONDUCTED 24 HOURS WATER.
       REQUIREMENTS. THE CITY OF FERNDALE LABORATION SHAPE CONSECUTIVE TESTS, CONDUCTED 24 HOURS AFART.
                                                          ALL STREET WHITH-TS#HIT-WAY, COMPARTIED TO MINIMUM 95% OPTIMUM DENSITY. IN UNIMPROVED AREAS, MINIMUM COMPACTION SHALL BE 90% OF OPTIMUM DENSITY.
       BACKFILL SHALL BE GRAVEL BASE, CLASS B
       ALL PIPES SHALL HAVE A MINIMUM COVER ON
     ALL VALVES SHALL BE EITHER GATE OR BUTTIFIELY TYPE VALUES AND SHALLED 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 PRESSORY IN 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 VILL BE ALVES SHALL BE LOCATED OUTSIDE OF PAVEMENT SECTIONS.

WATER SERVICE TAPP INSTALLATIONS SHALL MEET TO THE CONTROL OF STANDARDS.
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A. FIRE HYDRANTS SHALL HAVE TWO INDIVIDUAL 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

IF THE PUBLIC WORKS DIRECTOR DETERMINES THAT FIRE HYDRANTS ARE VULNERABLE TO VEHICULAR DAMAGE, APPROPRIATE CRASH POSTS SHALL BE PROVIDED. NO OBSTRUCTIONS SHALL EXIST WITHIN A 3-FOOT WORKING AREA OF EACH REQUIRED ACCESS. CRASH POSTS SHALL BE 4" CEMENT-FILLED PIPE A MIN. OF 3' IN HEIGHT WITH A MIN. OF 2' OF PIPE BELOW GRADE. HYDRANT SHUTOFF VALVES SHALL BE LOCATED

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

UNDERGROUND SUPPLIES TO FIRE HYDRANTS MUST BE INSPECTED. SUCH INSPECTION SHALL INCLUDE VISUAL INSPECTION OF PIPING AND HYDROSTATIC PRESSURE TESTING TO A MIN. OF 25D PSI. A FLOW TEST WILL

FIRE HYDRANTS MUST BE MAINTAINED IN AN OPERABLE CONDITION AT ALL TIMES AND MUST BE REPAIRED OR REPLACED WHEN DEFECTIVE. HYDRANTS SHALL BE FULLY OPERABLE BEFORE CONSTRUCTION COMMENCES

FIRE HYDRANTS AND FIRE MAINS MUST CONFORM ############ S- SD W-1 (WSDOT B-19) AND THE FOLLOWING STANDARDS:

BE SUPPLIED. HYDRANTS SHALL BE EITHER IOWA OR M.H. 929T HYDRANTS.

BETWEEN 5' AND 20' FROM THE HYDRANT.

ABOVE GRADE LEVEL.

BE REQUIRED WHEN INSTALLATION IS COMPLETE.

ACCESS. THE LOWEST STEM SHALL BE A MINIMUM OF 14" ABOVE THE GROUND.

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-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 0.05-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 6-02.3(2)B. 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. 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. 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. PAVEMENT: A. SOIL RESIDUAL HERBICIDE SHALL BE PLACED WITHIN 24 HOURS OF PAVING. B. A TACK COAT OF ASPHALT SHALL BE APPLIED BETWEEN ALL COURSES OF ASPHALT. C. ALL PAVEMENT REPAIR SHALL BE SAW-CUT BEFORE REMOVAL. AR-4000W SHALL BE APPLIED TO ALL EDGES OF EXISTING PAVEMENT. WHERE NEWLY CONSTRUCTED PAVEM MEETS EXISTING PAVING, THE APPLICANT SHALL PROVIDE A SMOOTH TRANSITION FROM EXISTING TO PROPOSED PAVING. CONTRACTOR SHALL COLD PLANE PER DIMENSIONS SPECIFIED ON THAT LANS, AND INSTALL A MINIMUM 2-FOOT WIDE PETROTAC PAVING FABRIC, OR EQUIVALENT, OVER JOINT BETWEEN PAVING LIFTS. THRU-CURB BASINS AND THRU-CURB INLETS CONFORMING TO THE WSDOT STANDARD SPECIFICATIONS, SECTION 7-05 SHALL BE CONSTRUCTED AT THE LOW PART OF THE THE FLOW LINES AND TO THE LOCATIONS, DIMENSIONS, AND DETAILS AS SHOWN ON THE PLANS 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 SPECIFICATIONS, SECTION 7-08.

STORM SEWER PIPE CONSTRUCTION REQUIREMENTS SHALL BE IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION, SECTION 7-04. MATERIAL SHALL BE HANCOR SUMMER 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) . ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CITY OF FERNDALE STANDARD SPECIFICATIONS AND DETAILS, AND ASSESSION OF STANDARD SPECIFICATIONS, MOST RECENT EDITIONS. SANITARY SEWER SYSTEM INSTALLATION, BOTH PUBLIC AND PRIVATE, IS SUBJECT TO THE SATISFACTION OF THE CITY OF FERNDALE. 24 HOUR NOTICE MUST AND APPRIVATE OF THE STANDARD SEWER SYSTEM AND ALL WORK MUST BE INSPECTED TO THE SATISFACTION OF THE CITY OF FERNDALE. 24 HOUR NOTICE MUST AND APPRIVATE OF THE STANDARD SEWER SYSTEM AND ALL CONNECTIONS TO EXISTING MAINS SHALL BE PERFORMED IN THE PRESENCE AND UNDER THE SUPERVISION A COUNTY OF D 303 AND WIST TO CITY SPECIFICATIONS.

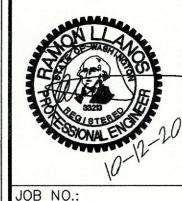
BANK ROUTER VELOCITY IN CITY RIGHT OF WAY AND TRAVELED SANITARY SEWER MAINS SHALL BE A MINIMUM 8 INCH DIAMETER PVC PIPE (SDR—35) CONFORMING TO THE PROVISIONS OF ASSANITARY SEWER PIPE BEDDING SHALL BE PEA GRAVEL PER COFSD SS—1. ALL TRENCHES SHALL BE PEACKFILLED WITH TAXAST WAYS OUTSIDE OF RIGHT OF WAY (ACCESS EASEMENTS) AND SHALL BE COMPACTED TO A MINIMUM AND SHALL BE COMPACTED TO A MINIMUM AND SHALL BE COMPACTED TO A MINIMUM AND SHALL BE COMPACTED TO BE MINIMUM AND SHALL BE SHALL BE COMPACTED TO BE MINIMUM AND SHALL BE COMPACTED TO BE SHALL BE TRAVELED WAY SHALL BE SUBJECT TO APPROVAL BY THE CITY. ALL MANHOLES SHALL BE INSTALLED PER CITY OF FERNDALE STANDARD DETAILS AND SHALL BE PRESENTANNELED. MANHOLE GIVES ARE TO BE OFFSET SUCH THAT LADDER RUNGS ARE ALL SIDE SEWERS SHALL BE INSTALLED PER CITY OF FERNDALE STANDARD THE ALLS SS-6, SS-8 OR 1513, EXCEPT THAT SINGLE SIDE SEWERS SHALL HAVE A MINIMUM DIAMETER OF 4".

CONTRACTOR SHALL EXTEND SEWER STUBS 5 FT BEYOND UTILITY CORRIDOR OF 15 FEET BEYOND RIGHT. WAY 1 HE

EACH SIDE SEWER STUB SHALL BE CAPPED WITH A WATERTICATE TO U.G. EACH STUB SHALL BE MARKED WITH A 2" DIA. PVC PIPE (MIN. SCHEDULE 40) WITH THE TOP 18"

PAINTED GREEN AND STENCILED WITH THE WORD "SEWER" AND THE PROPERTY WITH A LOCATION MARKER SHALL BE CONNECTED TO THE SERVICE STUB BY A #12 COPPER WIRE.

160 INDUSTRIAL PL. #10 FERNDALE, WA 98248 PHONE 360-383-0620 FAX 360-383-0639



IOB NO.: WG. NAME: 05-CIVIL-BASE - AB.dwg DESIGNED BY:

RAWN BY HECKED BY:

WHATCOM-SKAGIT

HOUSING

REVISION

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APPROVED

FERNDALE GENERAL NOTES