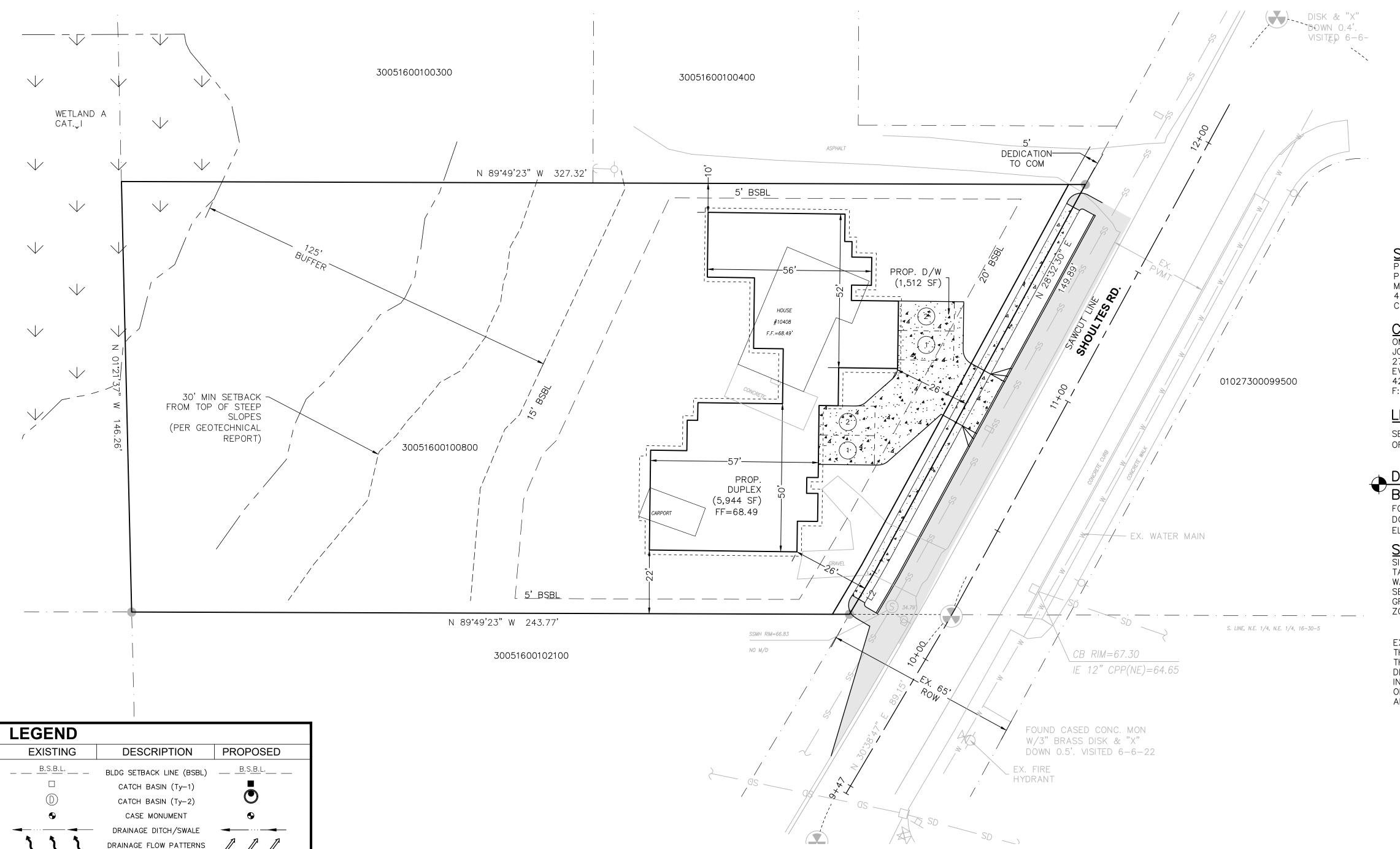
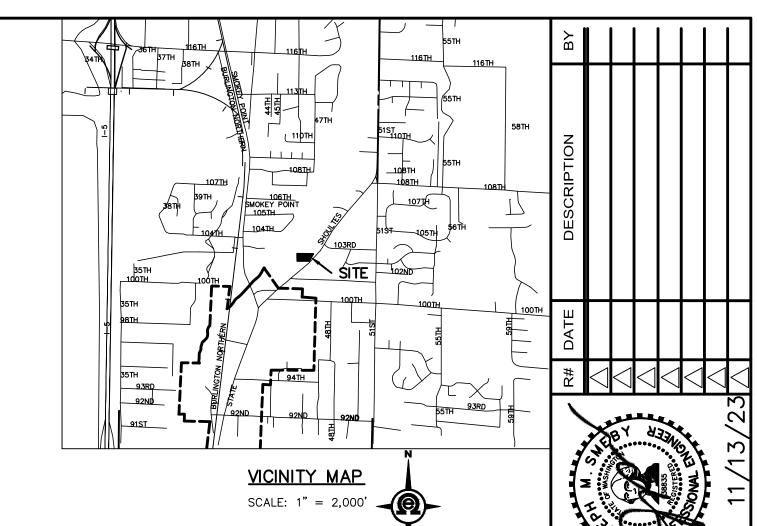
SECTION 16, TOWNSHIP 30 N, RANGE 5E, W.M.





SURVEYOR
PACIFIC COAST SURVEYS, INC

PO BOX 13619 MILL CREEK, WA 98082 425.512.7099 CONTACT: DARREN RIDDLE

CIVIL ENGINEER

OMEGA ENGINEERING, INC 2707 WETMORE AVE. EVERETT, WA 98201 425.903.4852 F: 425.259.1958

OWNER/APPLICANT PAVEL AND JULIA KRYKUN

10408 SHOULTES RD MARYSVILLE, WA 98270

GEOTECHNICAL

ENGINEER COBALT GEOSCIENCES, LLC PO BOX 82243 KENMORE, WA 98243 425.486.1669

LEGAL DESCRIPTION

SEC 16 TWP 30 RGE 05 - S 1 AC OF THAT PART OF NE1/4 NE 1/4 LY W OF CO RD & S OF A LN PLL TO & 308.5FT N OF S LN OF NE1/4 NE1/4

► DATUM NAVD 88 BENCHMARK

FOUND CONC. MON W/ LEAD AND TACK DOWN 0.5' IN CASE. ELEV=438.90'

SITE DATA

DRAWING INDEX

3) FRONTAGE PLAN & PROFILE

1) COVER SHEET

4) DRAINAGE PLAN

5) UTILITY PLAN

2) SWPPP

DETAILS

7) DETAILS

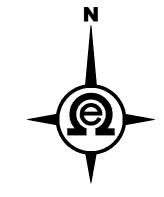
8) NOTES

SEWAGE DISPOSAL: GROSS SITE AREA: 1.00 ACRES

10408 SHOULTES RD. MARYSVILLE, WA 98270

CITY OF MARYSVILLE CITY OF MARYSVILLE

EXISTING SOIL & VEGETATION NOTE: THE SOIL ANALYSIS FOR THIS PROJECT FOUND THE EXISTING SOILS TO BE SANDY LOAM WITH A DEPTH TO WATER TABLE APPROXIMATELY 28 INCHES BELOW GRADE. THE SITE IN THE AREA OF DISTURBANCE CURRENTLY CONSIST OF LAWN, AND SOME TREES.



Call two days bef

PFN: PA23-008

<u>CITY OF MARYSVILLE</u> <u>CONSTRUCTION DRAWING REVIEW ACKNOWLEDGMENT</u> THIS PLAN SHEET HAS BEEN REVIEWED AND EVALUATED FOR GENERA COMPLIANCE WITH THE APPLICABLE CITY OF MARYSVILLE CODES ANI ORDINANCES. CONFORMANCE OF THIS DESIGN WITH ALL APPLICABLE LAWS AND REGULATIONS IS THE FULL COMPLETE RESPONSIBILITY OF THE LICENSEI DESIGN ENGINEER, WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEE ACKNOWLEDGMENT OF CONSTRUCTION DRAWING REVIEW DOES NOT IMPLY CI APPROVAL FOR CONSTRUCTION ACTIVITIES THAT REQUIRE OTHER COUNTY STATE OR FEDERAL PERMIT REVIEW AND APPROVAL. THE PROPERTY OWNER AND LICENSED DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE ACQUISITION AND COMPLIANCE OF ALL APPLICABLE PERMITS OR AUTHORIZATIONS WHICH MAY INCLUDE, BUT ARE NOT LIMITED TO, WSDFW HYDRAULIC PROJECT APPROVAL (HPA), WSDOE NOTICE OF INTENT (NOI), ARMY CORP OF ENGINEERS FILL PERMITS AND THE REQUIREMENTS OF THE ENDANGERED SPECIES ACT.

DOUGLAS VAN GELDER, P.E., ENGINEERING SERVICES MANAGER

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CITY	POR	36
DSN. BY:		
	RR	

11/13/2023 1" = 20'

GRADING QUANTITIES:

CUT = 500 C.Y.FILL = 500 C.Y.

New + Replaced

EASEMENTS (ESM'T)

EDGE PAVEMENT (EOA)

FIRE HYDRANT (FH)

LOT LINE

MAILBOXES (MB, CBU)

ROAD CENTER (CTR) LINE

SANITARY SEWER MANHOLE

YARD BASIN (YD)

SANITARY SEWER LINE

STORM SEWER LINE

SEWER STUBOUT

STORM STUBOUT

UTILITY POLE (PP, UP)

BLOW-OFF (BO)

WATER SERVICE (WS)

WATER VALVE (WV)

GRADING QUANTITIES CALCULATED USING AUTOCAD GRID SUBTRACTION METHOD COMPARING EXISTING GRADE TO FINISHED GRADE.

.INE	LENGTH	BEARING
_2	16.61	N30°38'47"E

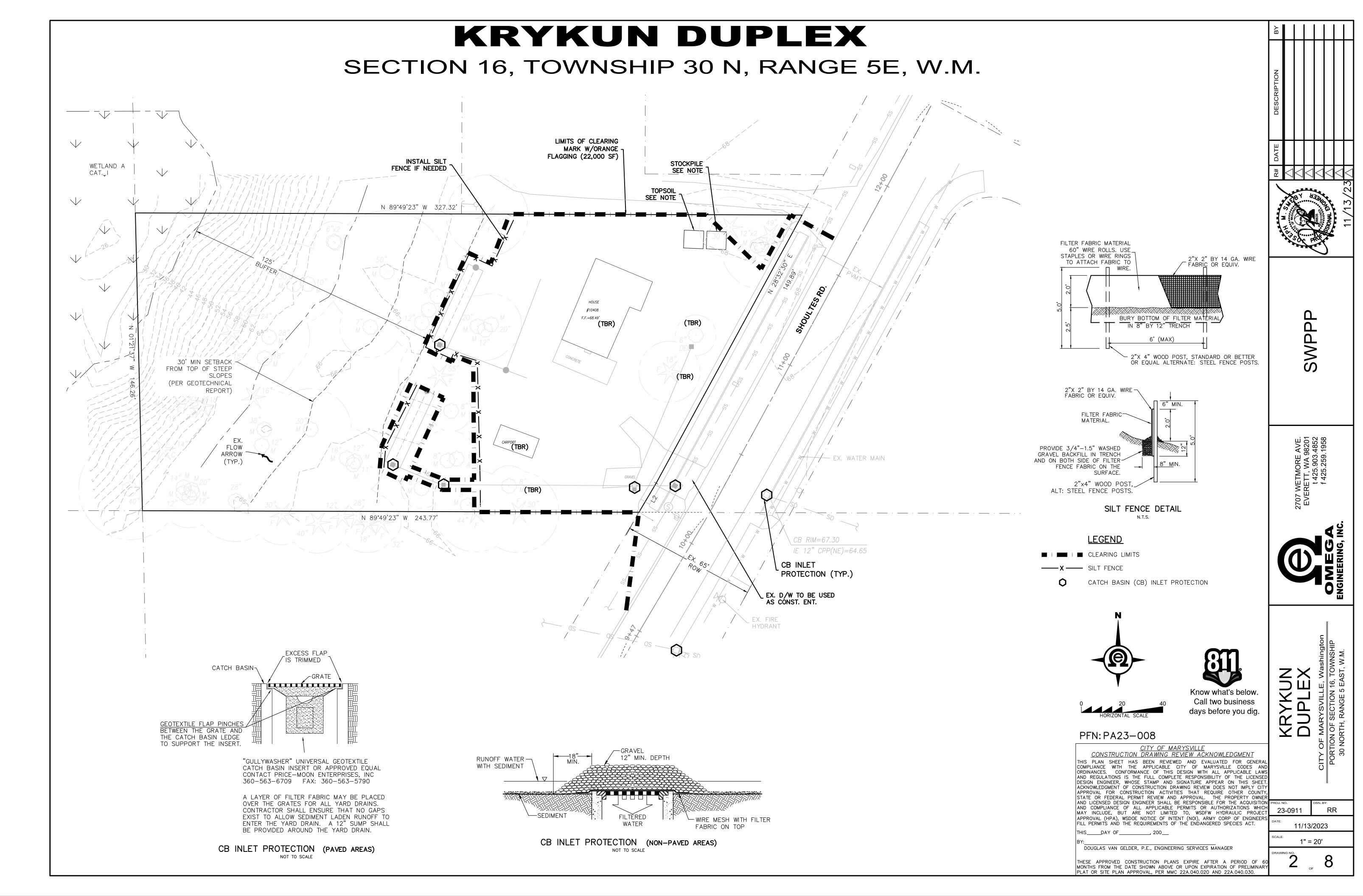
TOTAL AREA - 0.95 Ac = 41,796 SF TOTAL HARD SURFACE AREA SUMMARY TABLE

TO THE TIME BOTH HOLD HILL TO COMMING INT		171066	
	PGHS (sf)	NPGHS (sf)	Total (s
Existing	527	1,703	2,230
Removed	527	247	774
Poplaced	0	1 456	1 /56

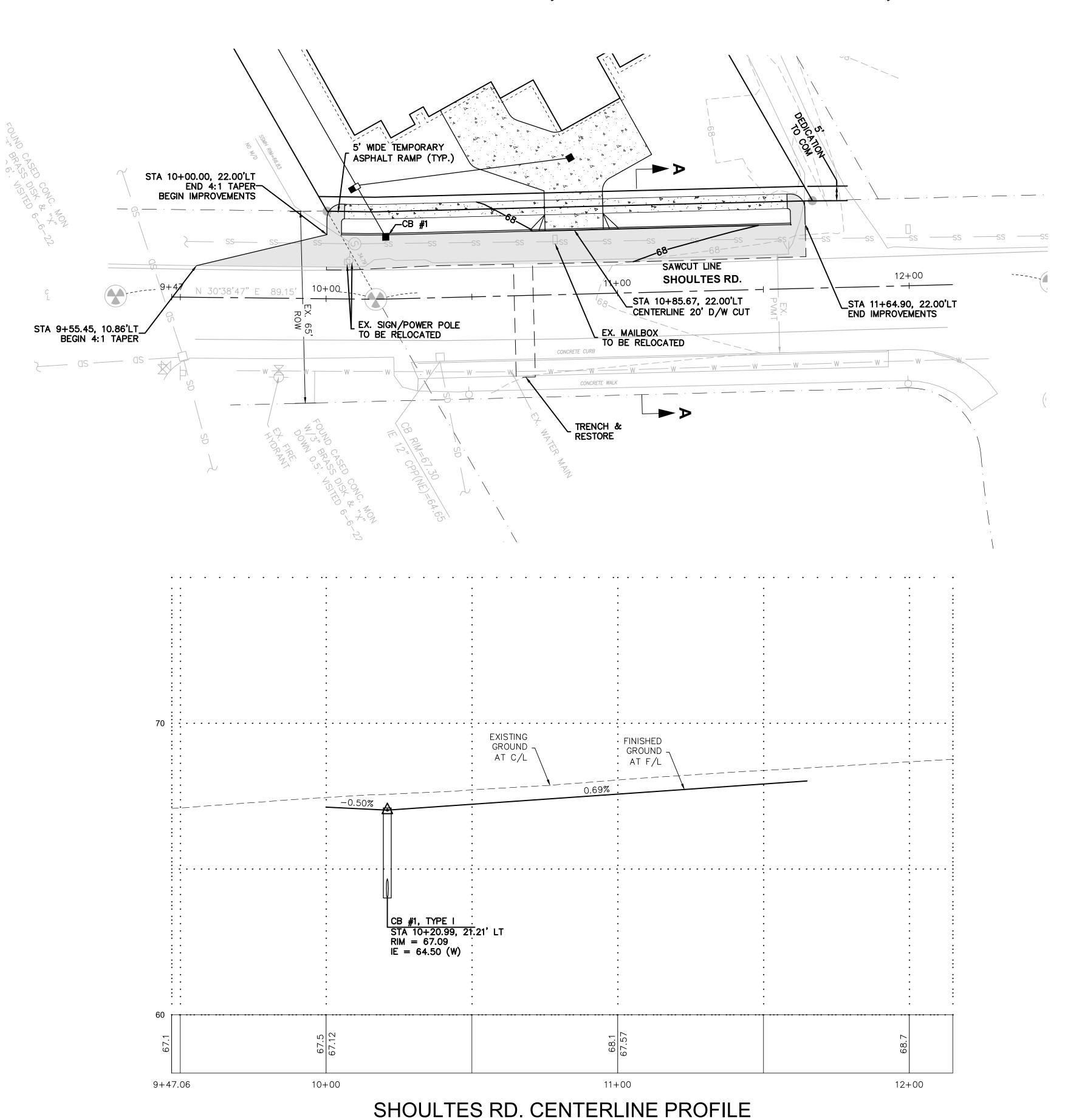
F	FRONTAGE IMPROVEMENTS		
	New PGIS	1,952	
	New NPGIS	733	
	Total New	2,685	
		-	

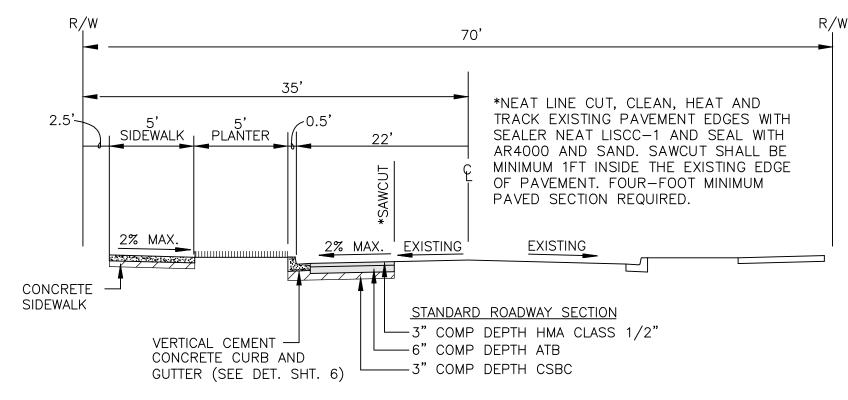
SITE IMPROVEMENTS		
New PGIS	1,512	
New NPGIS	5,944	
Total New	7,456	

MAX BUILDING LOT COVERAGE: 40% BUILDING LOT COVERAGE: 14%



SECTION 16, TOWNSHIP 30 N, RANGE 5E, W.M.

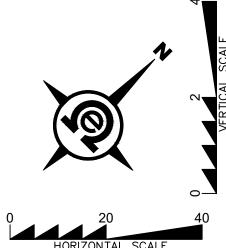




SECTION 'A-A'
SHOULTES ROAD
TYPICAL ARTERIAL ROAD
RESIDENTIAL
DESIGN SPEED = 35 MPH

DESIGN SPEED = 35 MPH

N.T.S.





days before you dig.

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CITY OF MARYSVILLE

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THIS ____DAY OF ______, 200___

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R# DATE DESCRIPTION



FRONTAGE AN & PROFILE

707 WETMORE AVE. EVERETT, WA 98201 t 425.903.4852 f 425.259.1958



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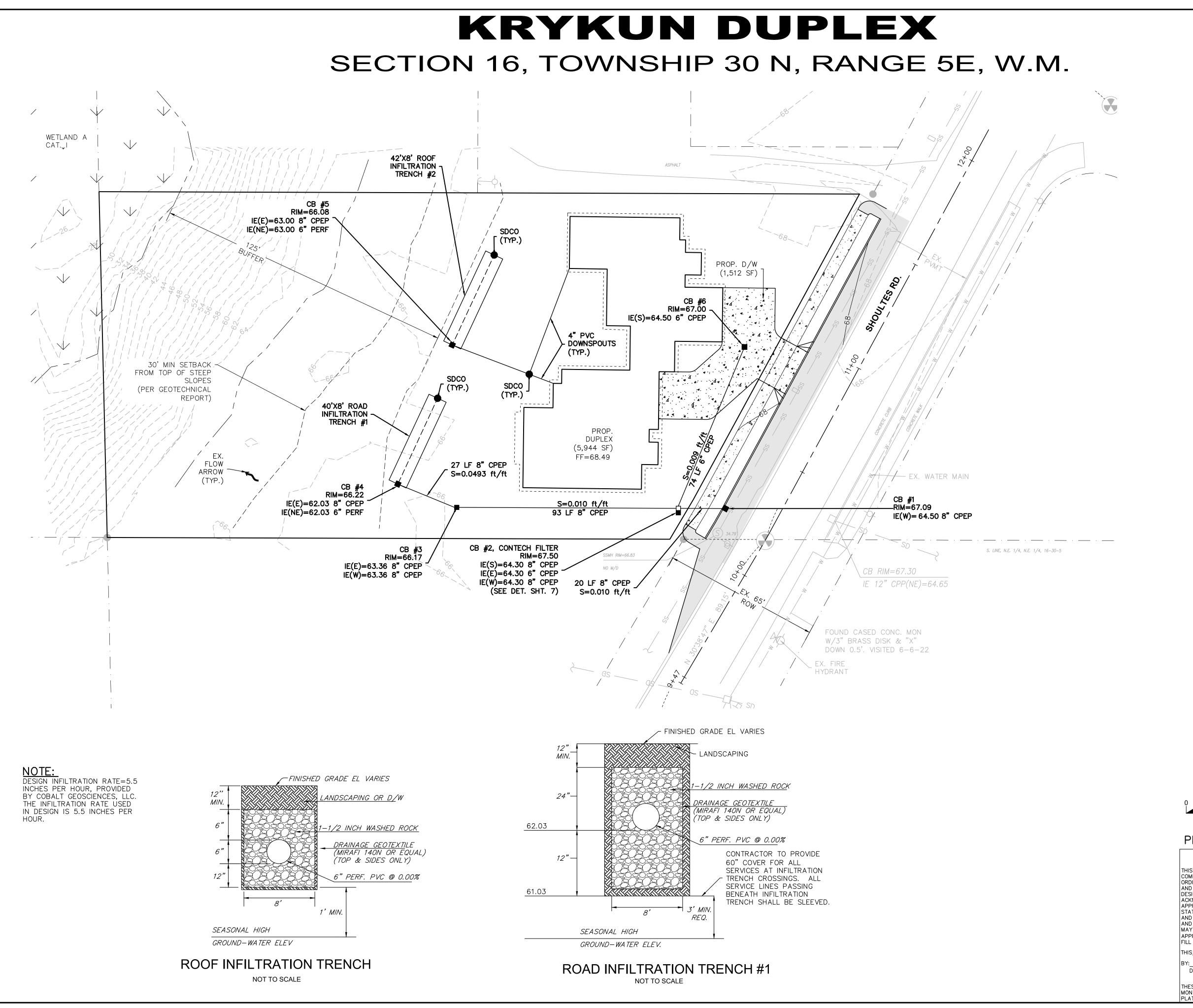
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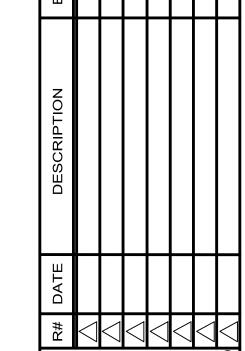
23-0911 RR

DATE: 11/13/2023

SCALE: 1" = 20'

WING NO.







ORAINAGE PLAN

V WETMORE AVE. VERETT, WA 98201 t 425.903.4852 f 425.259.1958



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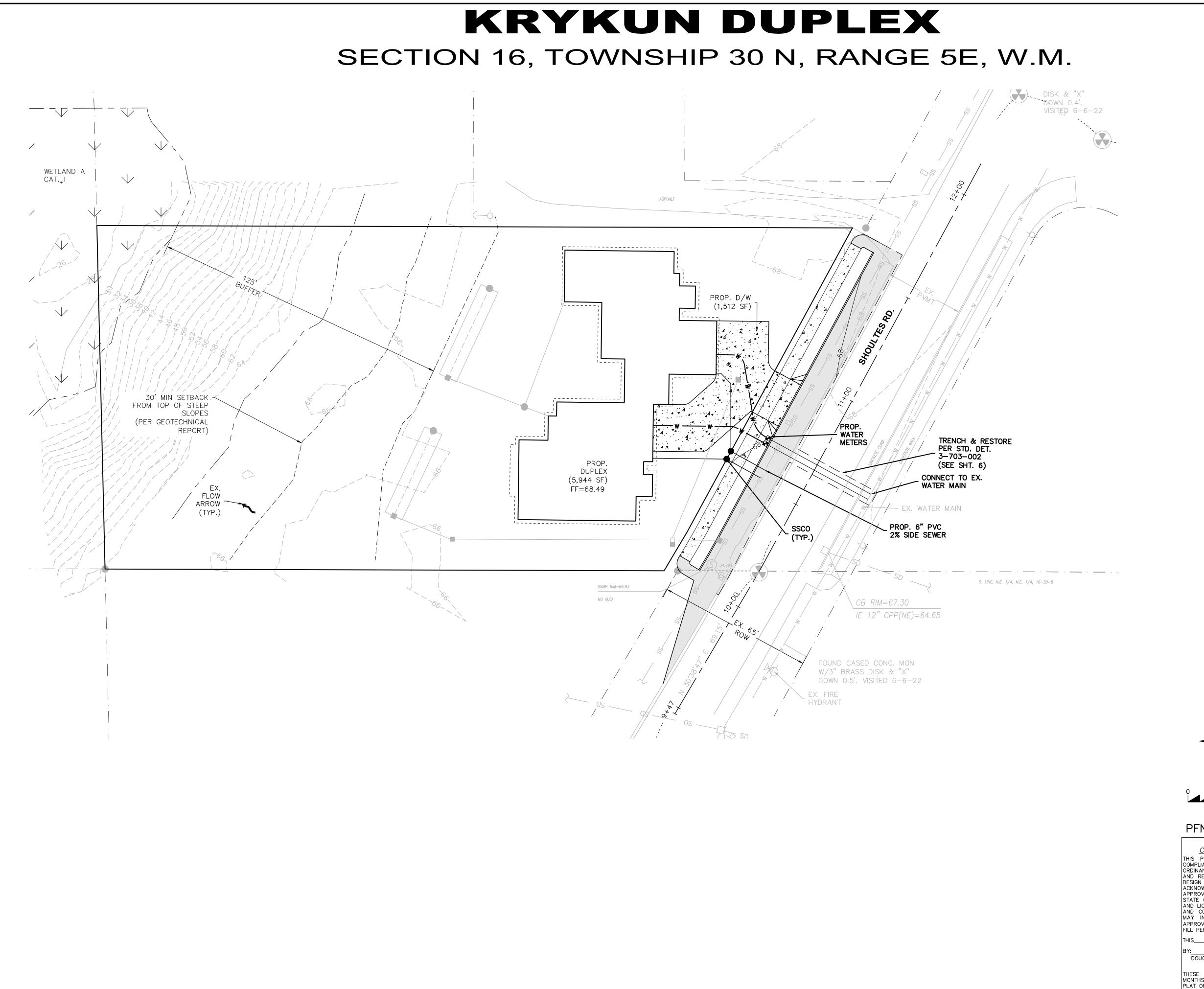
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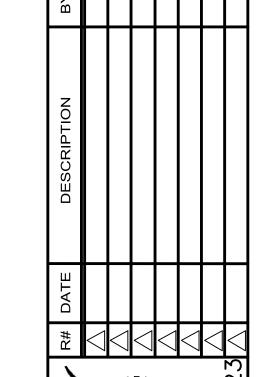
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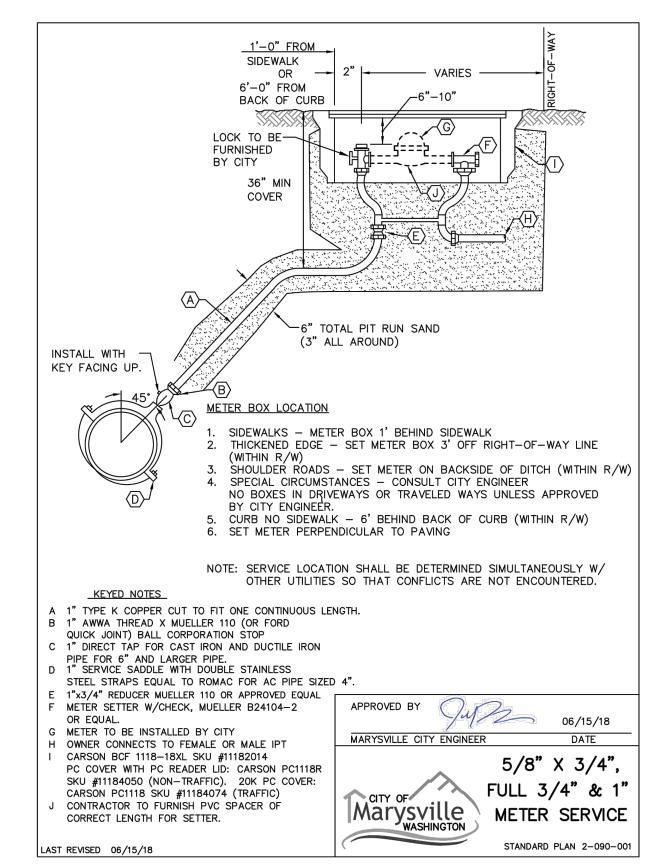
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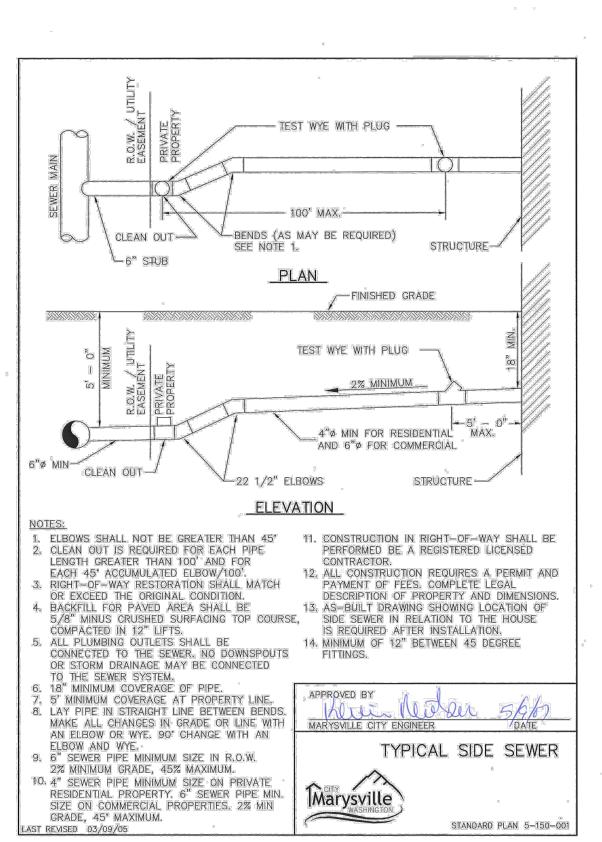
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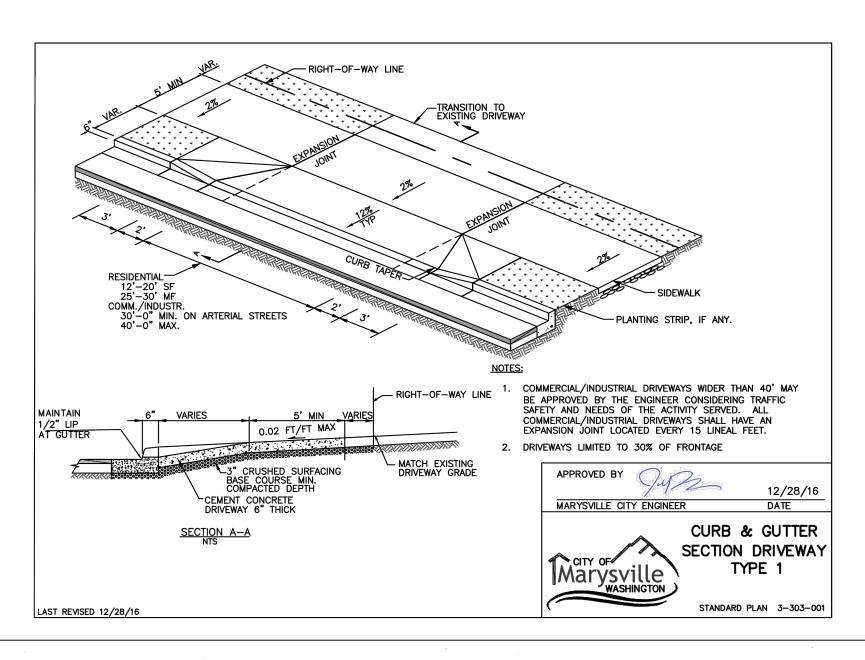
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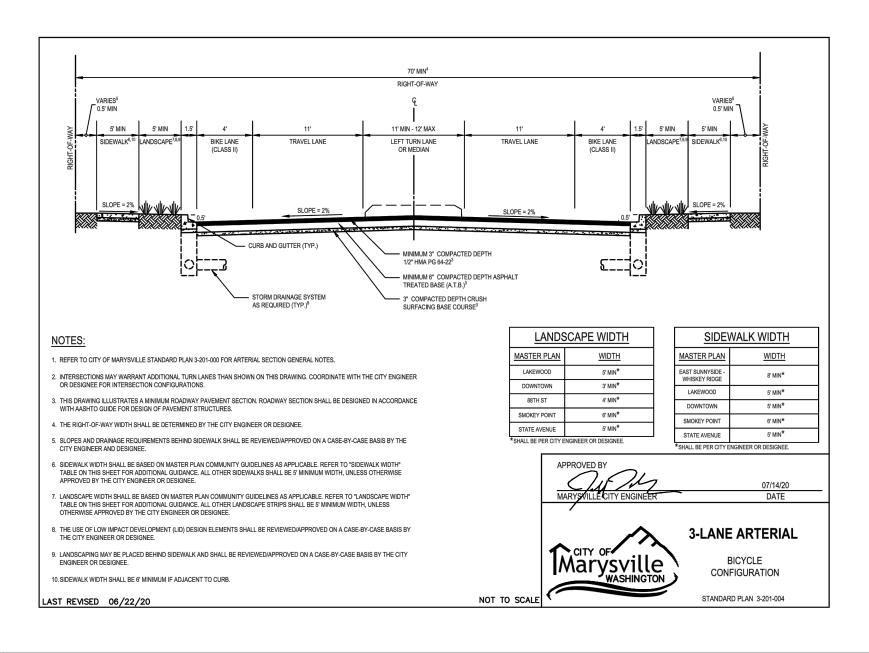
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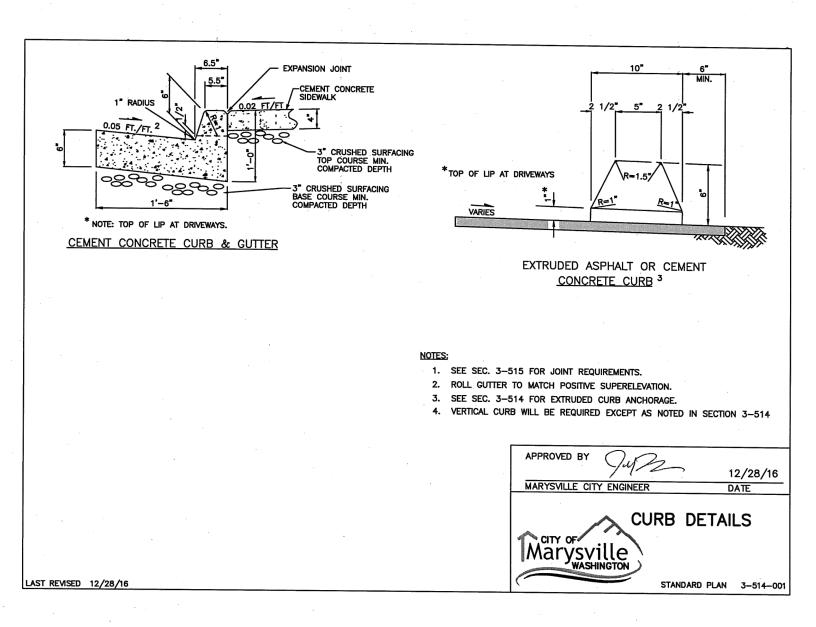
SECTION 16, TOWNSHIP 30 N, RANGE 5E, W.M.

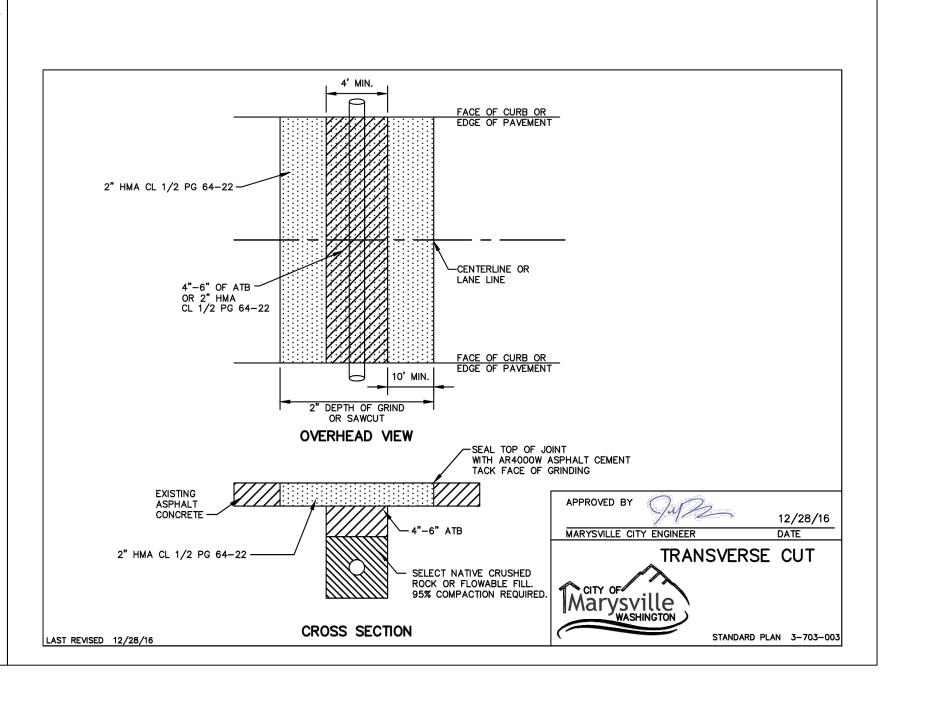














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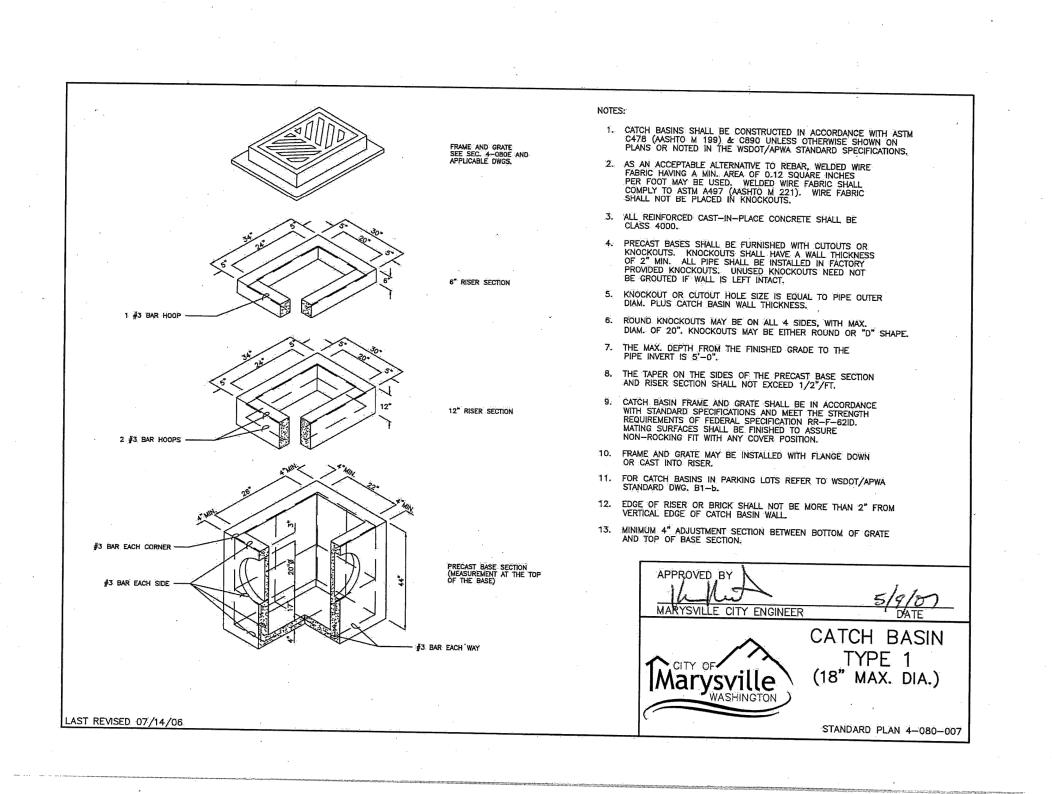
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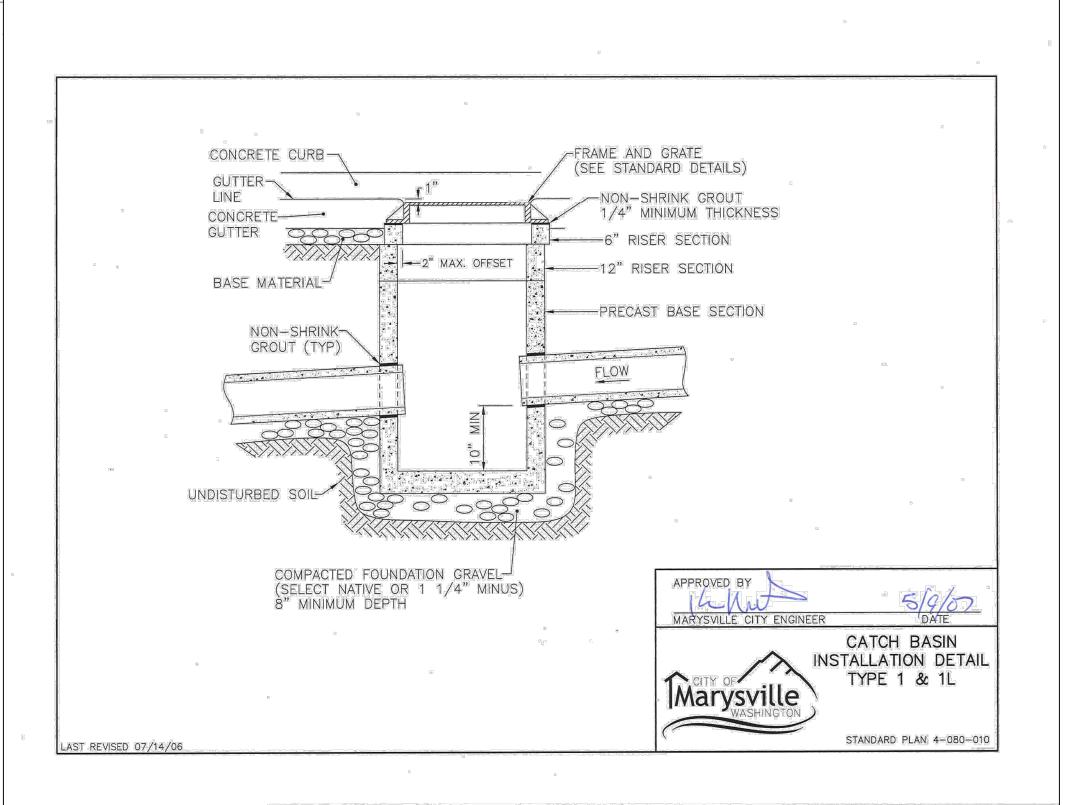
MARYSVILLE, Washington
ION OF SECTION 16, TOWNSHIP

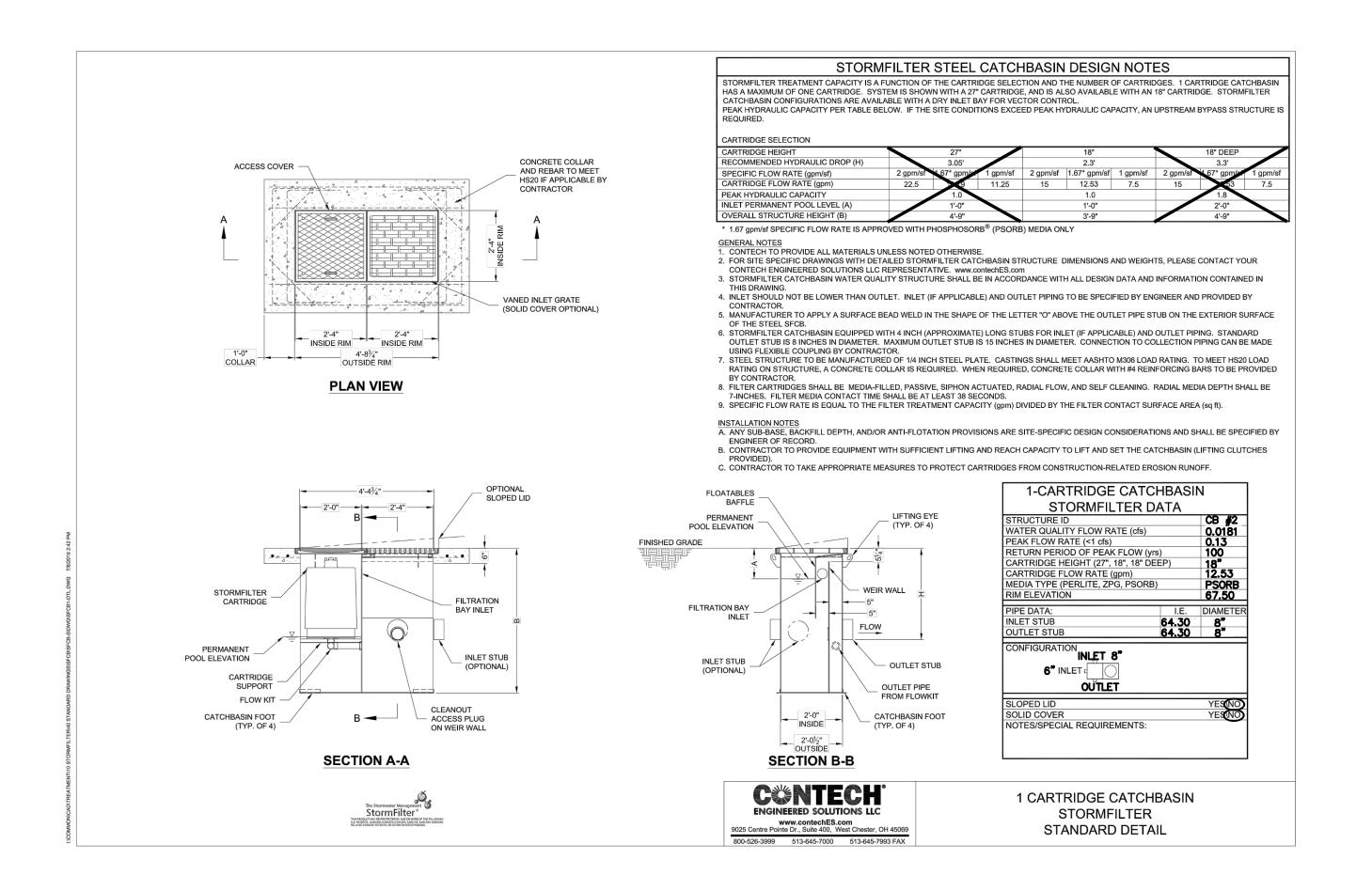
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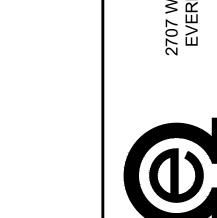
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SECTION 16, TOWNSHIP 30 N, RANGE 5E, W.M.









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23-0911 RR

DATE:

11/13/2023

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707 WETMORE AVE. EVERETT, WA 98201 t 425.903.4852 f 425.259.1958

SECTION 16, TOWNSHIP 30 N, RANGE 5E, W.M.

GENERAL PLAN NOTES

- 1. ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF MARYSVILLE. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE APPROVED ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT DEVELOPMENT SERVICES AT (360-363-8100) TO SCHEDULE THE MEETING. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN SET OF APPROVED PLANS AT THE MEETING.
- 2. AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE WATER, SANITARY SEWER AND STORM SYSTEMS.
- 3. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"). WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF MARYSVILLE CITY ENGINEERING DESIGN AND DEVELOPMENT STANDARDS (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS").
- 4. ALL WORK WITHIN THE DEVELOPMENT AND CITY RIGHT-OF-WAY SHALL BE SUBJECT TO THE INSPECTION OF THE CITY ENGINEER OR DESIGNATED REPRESENTATIVE.
- 5. PRIOR TO ANY SITE CONSTRUCTION INCLUDING CLEARING/LOGGING OR GRADING. THE SITE CLEARING LIMITS SHALL BE LOCATED AND FIELD IDENTIFIED BY THE PROJECT SURVEYOR (OR PROJECT ENGINEER) AS REQUIRED BY THESE PLANS. THE PROJECT SURVEYOR'S NAME AND PHONE NUMBER IS PACIFIC COAST SURVEYS. INC 425.512.7099.
- 6. THE DEVELOPER, CONTRACTOR AND PROJECT ENGINEER IS RESPONSIBLE FOR WATER QUALITY AS DETERMINED BY THE MONITORING PROGRAM ESTABLISHED BY THE PROJECT ENGINEER. THE PROJECT ENGINEER'S NAME AND PHONE NUMBER IS OMEGA ENGINEERING. INC. 425.903.4852.
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS FOR UTILITY, ROAD, AND RIGHT-OF-WAY CONSTRUCTION. THE CONTRACTOR FOR THIS PROJECT IS_______. CONTACT PERSON IS______, PHONE____ MOBILE PHONE_____, EMERGENCY PHONE _____
- 8. THE CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN (SWPPP) BEST MANAGEMENT PRACTICES (BMP'S) SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED SWPPP PRIOR TO ANY GRADING OR EXTENSIVE LAND CLEARING. THESE FACILITIES MUST BE SATISFACTORILY MAINTAINED UNTIL CONSTRUCTION AND LANDSCAPING IS COMPLETED AND FINAL STABILIZATION HAS OCCURRED. SEDIMENT LADEN WATERS SHALL NOT ENTER THE CITY STORMWATER DRAINAGE SYSTEM OR A NATURAL DRAINAGE SYSTEM.
- 9. THE CONTRACTOR SHALL KEEP TWO SETS OF PLANS ON SITE AT ALL TIMES FOR RECORDING RECORD DRAWING INFORMATION: ONE SET SHALL BE SUBMITTED TO THE PROJECT ENGINEER, AND ONE SET SHALL BE SUBMITTED TO THE CITY ENGINEER AT COMPLETION OF CONSTRUCTION AND PRIOR TO FINAL ACCEPTANCE OF WORK.
- 10. PRIOR TO CONSTRUCTION THE OWNER AND/OR CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND THE CITY ENGINEER WHEN CONFLICTS EXIST BETWEEN THE PLANS AND FIELD CONDITIONS. CONFLICTS SHALL BE RESOLVED (INCLUDING PLAN AND PROFILE REVISIONS) AND RESUBMITTED FOR APPROVAL PRIOR TO PROCEEDING WITH CONSTRUCTION.
- 11. ANY REVISIONS MADE TO THESE PLANS, OR CHANGES TO THE DESIGN MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER AND THE CITY PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.
- 12. THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS IN ADVANCE. PRIOR TO CONSTRUCTION THE OWNER AND/OR CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND THE CITY ENGINEER WHEN CONFLICTS EXIST BETWEEN THE PLANS AND FIELD CONDITIONS. CONFLICTS SHALL BE RESOLVED (INCLUDING PLAN AND PROFILE REVISIONS) AND RESUBMITTED FOR APPROVAL PRIOR TO PROCEEDING WITH CONSTRUCTION.
- 13. CITY OF MARYSVILLE HORIZONTAL DATUM SHALL BE NAD 83, AND THE VERTICAL DATUM SHALL BE NAVD 88, IN WASHINGTON STATE PLANE COORDINATES (FEET), WASHINGTON NORTH ZONE 4601. A LIST OF BENCHMARKS IS AVAILABLE
- 14. TEMPORARY STREET PATCHING SHALL BE ALLOWED FOR AS APPROVED BY THE CITY ENGINEER. TEMPORARY STREET PATCHING SHALL BE PROVIDED BY PLACEMENT AND COMPACTION OF ATB OR CLASS B ASPHALT CONCRETE. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AS REQUIRED.
- 15. PROVIDE TRAFFIC CONTROL PLAN(S) IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)
- 16. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE A COPY OF THESE APPROVED PLANS ON CONSTRUCTION
- 17. ANY STRUCTURE AND/OR OBSTRUCTION THAT REQUIRES REMOVAL OR RELOCATION RELATING TO THIS PROJECT SHALL BE
- 18. LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE TRUE ELEVATIONS AND LOCATIONS OF HIDDEN UTILITIES. ALL VISIBLE ITEMS SHALL BE THE ENGINEER'S RESPONSIBILITY. LOCATION OF UTILITIES SHOWN ON CONSTRUCTION PLANS ARE BASED ON BEST RECORDS AVAILABLE AND ARE SUBJECT TO VARIATION. FOR ASSISTANCE IN UTILITY LOCATION, CALL 1-800-424-5555.
- 19. THE CONTRACTOR SHALL INSTALL, REPLACE, OR RELOCATE ALL SIGNS, AS SHOWN ON THE PLANS OR AS AFFECTED BY CONSTRUCTION, PER CITY STANDARDS.
- 20. POWER, STREET LIGHT, CABLE, AND TELEPHONE LINES SHALL BE IN A TRENCH LOCATED WITHIN A 10-FOOT UTILITY EASEMENT ADJACENT TO PUBLIC RIGHT-OF-WAY. RIGHT-OF-WAY CROSSINGS SHALL HAVE A MINIMUM HORIZONTAL SEPARATION FROM OTHER UTILITIES (SEWER, WATER, AND STORM) OF 5 FEET.
- 21. ALL CONSTRUCTION SURVEYING FOR EXTENSIONS OF PUBLIC FACILITIES SHALL BE DONE UNDER THE DIRECTION OF A WASHINGTON STATE LICENSED LAND SURVEYOR OR A WASHINGTON STATE LICENSED PROFESSIONAL CIVIL ENGINEER.
- 22. DURING CONSTRUCTION, ALL PUBLIC STREETS ADJACENT TO THIS PROJECT SHALL BE KEPT CLEAN OF ALL MATERIAL DEPOSITS RESULTING FROM ON-SITE CONSTRUCTION, AND EXISTING STRUCTURES SHALL BE PROTECTED AS DIRECTED BY
- 23. CERTIFIED RECORD DRAWINGS ARE REQUIRED PRIOR TO PROJECT ACCEPTANCE.
- 24. A NPDES STORMWATER GENERAL PERMIT MAY BE REQUIRED BY THE DEPARTMENT OF ECOLOGY FOR THIS PROJECT. FOR INFORMATION VISIT THE DEPARTMENT OF ECOLOGY WEB SITE WWW.ECY.WA.GOV/PROGRAMS/WQ/STORMWATER/CONSTRUCTION/
- 25. ANY DISTURBANCE OR DAMAGE TO CRITICAL AREAS AND ASSOCIATED BUFFERS, OR SIGNIFICANT TREES DESIGNATED FOR PRESERVATION AND PROTECTION SHALL BE MITIGATED IN ACCORDANCE WITH A MITIGATION PLAN REVIEWED AND APPROVED BY THE CITY'S PLANNING DIVISION. PREPARATION AND IMPLEMENTATION OF THE MITIGATION PLAN SHALL BE AT THE DEVELOPER'S EXPENSE.
- 26. A GRADING PERMIT ISSUED PURSUANT TO THE CURRENT ADOPTED INTERNATIONAL BUILDING CODE, AND APPROVAL OF THE TEMPORARY EROSION AND SEDIMENTATION CONTROL PLAN SHALL BE OBTAINED FROM THE COMMUNITY DEVELOPMENT DEPARTMENT PRIOR TO ANY ON-SITE GRADING WORK NOT EXPRESSLY EXEMPT BY THE CURRENT ADOPTED INTERNATIONAL BUILDING CODE.
- 27. PRIOR TO COMMENCEMENT OF FRAMING, FINAL DRAINAGE INSPECTION AND APPROVAL OF THE ROOF LEADER AND POSITIVE FOOTING SYSTEMS SHALL BE COMPLETED BY THE BUILDING DEPARTMENT. CALL 360-363-8100 TO SCHEDULE THE

STORM DRAINAGE NOTES:

- 1. PRIOR TO ANY SITE WORK INCLUDING DRAINAGE. THE CONTRACTOR SHALL CONTACT THE CITY OF MARYSVILLE CONSTRUCTION INSPECTION DIVISION OF COMMUNITY DEVELOPMENT AT 360-363-8100 TO SCHEDULE A PRE-CONSTRUCTION
- 2.ALL PIPE SHALL BE PLACED ON STABLE EARTH. IF IN THE OPINION OF THE CITY INSPECTOR, THE EXISTING TRENCH FOUNDATION IS UNSATISFACTORY, THEN IT SHALL BE EXCAVATED BELOW GRADE AND BACKFILLED WITH GRAVEL BEDDING TO SUPPORT THE PIPE.
- 3.BACKFILL SHALL BE PLACED EQUALLY ON BOTH SIDES OF THE PIPE OR PIPE-ARCH IN 6" AVERAGE DEPTH LOOSE LIFTS. MAXIMUM LIFT DEPTH SHALL NOT EXCEED 9". EACH LIFT SHALL BE THOROUGHLY COMPACTED. COMPACTED LIFTS MUST EXTEND AT LEAST ONE PIPE DIAMETER ON EACH SIDE OF THE PIPE OR TO THE SIDE OF THE TRENCH. BACKFILL OVER THE PIPE SHALL BE PERFORMED IN ACCORDANCE WITH SECTIONS 7-04.3(3) AND 2-03.2(14)C - METHOD B AND C OF THE APWA/WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL
- 4.ALL GRATES LOCATED IN THE GUTTER FLOW LINE (INLET AND CATCH BASIN) SHALL BE DEPRESSED 0.1 FEET BELOW PAVEMENT LEVEL.
- A. ALL CATCH BASINS AND MANHOLES LOCATED OUTSIDE OF PAVED AREAS, SHALL BE PLACED IN A SIX FOOT SQUARE BY FOUR INCH THICK CONCRETE PAD.
- 5.ALL CATCH BASINS TO BE TYPE 1 UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER OR DESIGNATED REPRESENTATIVE. THE USE AND INSTALLATION OF INLETS IS NOT ENCOURAGED.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL MANHOLE, INLET AND CATCH BASIN FRAMES AND GRATES TO GRADE JUST PRIOR TO CURB INSTALLATION AND/OR PAVING.
- 7. ALL CATCH BASINS WITH A DEPTH OF 5 FEET OR GREATER TO THE FLOW LINE SHALL BE TYPE II CATCH BASINS.
- 8. VANED GRATES ARE REQUIRED ON ALL STORM STRUCTURES WHERE THE ROADWAY PROFILE GRADE IS GREATER THAN 3%. ALL CATCH BASINS AND MANHOLES SHALL HAVE LOCKING LIDS. ROLLED GRATES ARE NOT APPROVED FOR USE OUTSIDE OF THE CITY RIGHT-OF-WAY OR FOR USE WITH TYPE II MANHOLES.

1. MONUMENTS SHALL BE INSTALLED AT ALL STREET INTERSECTIONS, AT ANGLE POINTS

INSTALLED ACCORDING TO THE WASHINGTON STATE SUBDIVISION LAWS.

2.CURB AND GUTTER INSTALLATION SHALL CONFORM TO CITY STANDARD DETAIL

3. THE SURROUNDING GROUND (5 FEET BEYOND THE BASE) FOR ALL POWER

SHALL BE GRADED TO A POSITIVE 2 PERCENT SLOPE FROM TOP OF CURB.

4. SIGNAGE AND TRAFFIC CONTROL DEVICES ARE SAFETY ITEMS AND SHALL BE INSTALLED PRIOR TO ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY OR PLAT APPROVAL. HOWEVER. IN LARGER DEVELOPMENTS. EXACT LOCATIONS OF STOP AND

AND POINTS OF CURVATURE IN EACH STREET. ALL BOUNDARY MONUMENTS MUST BE

TRANSFORMERS, TELEPHONE/TV PEDESTALS, AND STREET LIGHT MAIN DISCONNECTS

YIELD SIGNS MAY NEED TO BE DETERMINED AFTER FULL BUILDOUT WHEN TRAFFIC

PATTERNS HAVE BEEN ESTABLISHED. IN THIS CASE, CONTRACTOR SHALL PROVIDE

INDICATED "CITY-PLACED" SIGNS, SIGNPOSTS, AND BRACKETS TO THE CITY SIGN SPECIALIST (425) 328-7954 FOR LATER INSTALLATION BY THE CITY. ALL SIGNAGE

SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL

5.PRIOR TO ANY SIGN OR STRIPING INSTALLATION OR REMOVAL THE CONTRACTOR

ON-SITE MEETING TO DISCUSS PLACEMENT AND UNIFORMITY.

SHALL CONTACT THE CITY SIGN SPECIALIST (425) 328-7954 TO ARRANGE FOR AN

6.NEW OR REVISED STOP SIGNS OR YIELD SIGNS SHALL BE ADVANCE WARNED USING

THE PROCEDURE OUTLINED IN THE MUTCD. ADVANCE WARNING SIGNS AND FLAGS

SHALL BE MAINTAINED BY INSTALLER FOR 30 DAYS AND THEN REMOVED.

ROADWAY NOTES:

DEVICES (MUTCD).

- 9.POLYPROPYLENE SAFETY STEPS AND LADDER STEPS SHALL BE PROVIDED IN ALL MANHOLES AND SHALL BE POSITIONED CORRECTLY WITH THE BOLT AREAS ON THE RIM.
- 10.CATCH BASIN FRAMES AND GRATES SHALL BE OLYMPIC FOUNDRY MODEL SM60, SM52, SM44, LOCKING TYPE OR EQUIVALENT. MODEL SM52 SHALL BE REFERRED TO AS A "THROUGH CURB INLET" ON THE PLANS, MODEL SM44 SHALL BE REFERRED TO AS A "ROLLED GRATE INLET" ON THE PLANS.
- 11.DETENTION PONDS WITH SIDE SLOPES STEEPER THAN 3:1 OR WITH A MAXIMUM WATER DEPTH GREATER THAN 3 FEET SHALL REQUIRE A POWDER OR VINYL COATED CHAIN LINK PERIMETER FENCE PER STANDARD PLANS 3-501-007 & 008. SIDE SLOPE AVERAGING SHALL NOT BE ALLOWED. ALL INLET AND OUTFALL PIPES SHALL HAVE A TRASH RACK INSTALLED AND A MORTARED RIPRAP HEADWALL. REFER TO STORM DRAINAGE NOTE 18.
- 12.PRIOR TO SIDEWALK CONSTRUCTION; LOT DRAINAGE SYSTEMS, STUB-OUTS AND ANY BEHIND SIDEWALK DRAINS MUST BE INSTALLED AS REQUIRED. PIPE SHALL BE PVC 3034, OR SDR-35. STUB-OUTS SHALL BE MARKED WITH A 2" X 4" WITH 3 FEET VISIBLE ABOVE GRADE AND MARKED "STORM". LOCATIONS OF THESE INSTALLATIONS SHALL BE SHOWN ON THE AS-BUILT PLANS SUBMITTED TO THE CITY.
- 13.STORM WATER RETENTION DETENTION FACILITIES, STORM DRAINAGE PIPE AND CATCH BASINS SHALL BE FLUSHED AND CLEANED BY THE DEVELOPER PRIOR TO; CITY OF MARYSVILLE FINAL ACCEPTANCE OF THE PROJECT AND: UPON COMMENCEMENT AND COMPLETION OF THE 2 YEAR WARRANTY PERIOD FOR THE STORM DRAINAGE SYSTEM.
- 14.UNLESS OTHERWISE NOTED, ALL STORM SEWER PIPE SHALL BE; (CP) NON-REINFORCED CONCRETE, ASTM C-14; (RCP) REINFORCED CONCRETE FOR CONCRETE PIPE DIAMETERS 24" OR GREATER, ASTM C-76; OR (CMP) CORRUGATED METAL. CMP TO BE; GALVANIZED STEEL WITH TREATMENT I ASPHALT COATING OR BETTER; OR CORRUGATED ALUMINUM; OR AASHTO M274-70 ALUMINIZED STEEL. ALL PIPES SHALL BE INSTALLED WITH RUBBER GASKETS AS PER MANUFACTURERS RECOMMENDATIONS.

COVERAGE REQUIREMENTS FOR 12" DIAMETER PIPE: BACKFILL OVER PIPE LESS THAN 12" REQUIRES RCP CLASS IV. BACKFILL OVER PIPE LESS THAN 24" REQUIRES RCP MINIMUM. BACKFILL OVER PIPE GREATER THAN 24" REQUIRES 16 GAGE CMP

15.CORRUGATED POLYETHYLENE PIPE (CPP):

A.ALL PIPE SHALL BE SMOOTH INTERIOR. CPP SHALL BE SPECIFICATIONS.

B.UPON REQUEST BY THE CITY INSPECTOR, ALL PIPE RUNS SHALL PASS THE LOW PRESSURE AIR TEST REQUIREMENTS OF SECTION 7-04.3(1)E & F OF THE WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION. PIPE RUNS SHALL BE TESTED WITH PIPE

C.UPON REQUEST BY THE CITY INSPECTOR, PIPE SHALL BE NOMINAL PIPE DIAMETER).

D.PIPE SHALL BE STORED ON SITE IN SHIPPING BUNKS ON A FLAT LEVEL SURFACE. THIS REQUIREMENT WILL BE STRICTLY ENFORCED; FAILURE TO COMPLY MAY RESULT IN REJECTION OF

E.MINIMUM DEPTH OF COVER SHALL BE 2 FEET.

F.COUPLINGS SHALL BE INTEGRAL BELL AND SPIGOT OR DOUBLE BELL SEPARATE COUPLINGS. SPLIT COUPLINGS WILL NOT BE

G.BACKFILL SHALL COMPLY WITH SECTION 7-08.3(3) OF THE WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION MODIFIED AS FOLLOWS:

THE SECOND PARAGRAPH OF SECTION 7-08.3(3) IS

POINT 1 FOOT ABOVE THE TOP OF THE PIPE SHALL BE OR STONES INCLUDED IN THE BACKFILL SHALL PASS

GASKETS AT THE JOINTS. O-RING GASKETS MAY BE USED FOR TYPE-F COUPLING BAND.

17.CULVERT ENDS SHALL BE BEVELED TO MATCH SIDE SLOPES. FIELD CUTTING OF CULVERT ENDS IS PERMITTED WHEN APPROVED BY THE CITY ENGINEER OR DESIGNATED REPRESENTATIVE.

18.ALL FIELD CUT CULVERT PIPE SHALL BE TREATED AS REQUIRED IN THE STANDARD SPECIFICATIONS OR GENERAL SPECIAL

DOUBLE-WALLED. ALL PIPE SHALL MEET AASHTO AND ASTM

LOADED AND COMPACTED TO FINISH GRADE.

SUBJECT TO MANDREL TESTING (MANDREL SIZE = 90% OF

THE PIPE AND/OR FUTURE RESTRICTION ON USE OF MATERIAL

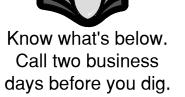
ALLOWED.

DELETED AND REPLACED WITH THE FOLLOWING:

THE MATERIAL USED FOR BACKFILLING AROUND AND TO A CLEAN EARTH OR SAND, FREE FROM CLAY. ANY GRAVEL THROUGH A 1 INCH SIEVE.

16.ALL NON-PERFORATED METAL PIPE SHALL HAVE NEOPRENE

PROVISIONS.



PFN: PA23-008

CONSTRUCTION DRAWING REVIEW ACKNOWLEDGMENT THIS PLAN SHEET HAS BEEN REVIEWED AND EVALUATED FOR GENERA COMPLIANCE WITH THE APPLICABLE CITY OF MARYSVILLE CODES AN ORDINANCES. CONFORMANCE OF THIS DESIGN WITH ALL APPLICABLE LAW AND REGULATIONS IS THE FULL COMPLETE RESPONSIBILITY OF THE LICENSE DESIGN ENGINEER, WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEE ACKNOWLEDGMENT OF CONSTRUCTION DRAWING REVIEW DOES NOT IMPLY C APPROVAL FOR CONSTRUCTION ACTIVITIES THAT REQUIRE OTHER COUNT STATE OR FEDERAL PERMIT REVIEW AND APPROVAL. THE PROPERTY OWNE AND LICENSED DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE ACQUISITIO AND COMPLIANCE OF ALL APPLICABLE PERMITS OR AUTHORIZATIONS WHICH MAY INCLUDE, BUT ARE NOT LIMITED TO, WSDFW HYDRAULIC PROJEC APPROVAL (HPA), WSDOE NOTICE OF INTENT (NOI), ARMY CORP OF ENGINEERS FILL PERMITS AND THE REQUIREMENTS OF THE ENDANGERED SPECIES ACT. THIS_____, 200___

DOUGLAS VAN GELDER, P.E., ENGINEERING SERVICES MANAGER

THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER A PERIOD OF MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINAR PLAT OR SITE PLAN APPROVAL, PER MMC 22A.040.020 AND 22A.040.030.

RR

11/13/2023

N.T.S.