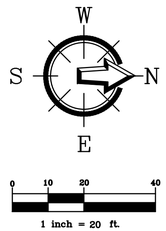


1. SURVEY PROVIDED BY DAVID EVANS & ASSOCIATES SURVEYING ON 11-16-2023. SEE ORIGINAL SURVEY FOR COMPLETE SURVEY INFORMATION.

2. EXISTING CONTOURS EAST OF 813 41ST STREET FROM LIDAR DATA.

3. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, ABOVE & BELOW GRADE, AND REPORT ANY DISCREPANCIES TO THE ENGINEER OF RECORD PRIOR TO THE START OF CONSTRUCTION.

4. THE BELOW NOTES HAVE BEEN PROVIDED BY DAVID EVANS & ASSOCIATES SURVEYING.

SURVEY NOTES

PURPOSE OF THIS SURVEY THIS SURVEY WAS PERFORMED IN OCTOBER 2023 IN SUPPORT OF A TOPOGRAPHICAL SURVEY IN THIS AREA. SPECIFIC INFORMATION SHOWN HEREON SHOULD BE VERIFIED AS TO ITS ACCURACY IF THIS SURVEY IS TO BE USED FOR PURPOSES OTHER THAN WHAT IT WAS INTENDED FOR.

METHODOLOGY FIELD MEASUREMENTS FOR THIS SURVEY WERE PERFORMED USING A TRIMBLE GPS RECEIVERS. THIS SURVEY COMPLIES WITH THE MINIMUM REQUIRED "ERROR OF CLOSURE" OF 1:10,000 FOR WASHINGTON STATE PLANE COORDINATES AS SET FORTH PER W.A.C. 332-130-090 (AND POSITIONAL TOLERANCE LEVELS OF LESS THAN 0.01 METERS).

BASIS OF BEARING WASHINGTON COORDINATE SYSTEM, WA ZONE, NAD83-2011. VARIOUS PUBLIC RECORDS WERE USED FOR SECTION BREAKDOWNS AND ROAD CENTERLINES. VERIFICATION OF SECTION CORNERS AND OTHER MONUMENTS SHOWN ON SAID PUBLIC RECORDS WAS PERFORMED BY CONVENTIONAL AND OR GPS SURVEY METHODS.

POSITIONS WERE DERIVED FROM THE WASHINGTON STATE REFERENCE NETWORK WSRN) THEGEODETIC POLICY OF THE WSRN IS TO CONSTRAIN ALL WSRN STATIONS TO THE NATIONAL SPATIAL REFERENCE FRAMEWORK (NSRS) OF THE NATIONAL GEODETIC SURVEY (NGS).
SOME OF THE WSRN STATIONS ARE NGS CORS, OTHERS HAVE BEEN BLUEBOOKED AT THE NGS, AND
THE REST ARE CONSTRAINED TO NGS CORS THROUGH A RIGOROUS NETWORK ADJUSTMENT.

CONTOUR LINE ACCURACY AND LIMITATION OF USE CONTOUR LINES REPRESENTED HEREON CONFORM TO NATIONAL MAP ACCURACY STANDARDS AND ARE SUITABLE FOR CIVIL ENGINEERING DESIGN.

CONTOUR INTERVAL 1 FOOT

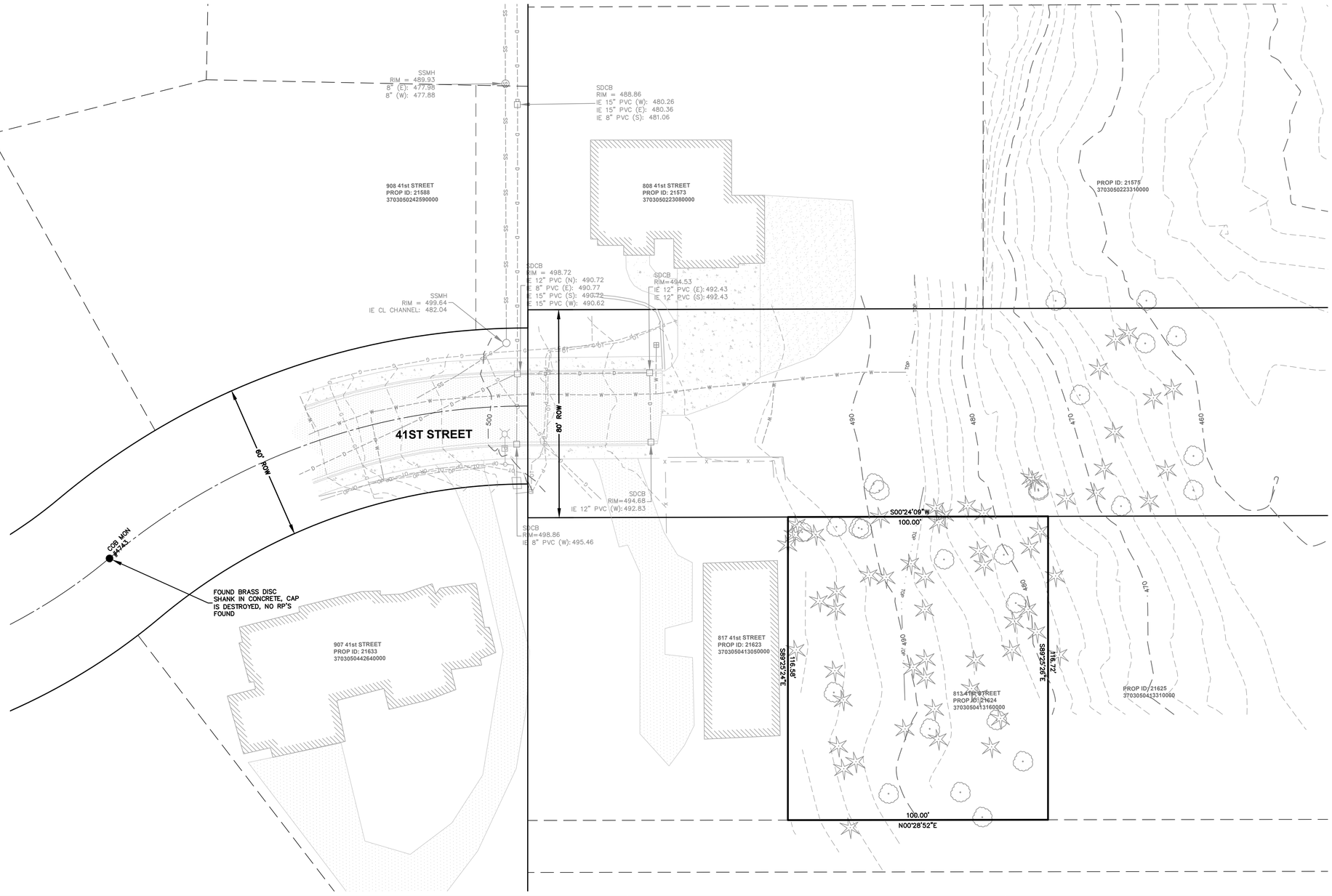
VERTICAL DATUM NAVD 88.

VERTICAL BENCHMARK FOUND CITY OF BELLINGHAM MONUMENT NUMBER 4744. 2" BRASS DISC CENTERLINE OF 41ST STREET APPROXIMATELY 51 FEET NORTH OF THE INTERSECTION OF 41ST STREET AND WILDWOOD DRIVE. VERTICAL NAVD88 VALUE WAS ESTABLISHED USING THE WASHINGTON STATE REFERENCE NETWORK (WSRN). MONUMENT #4744=528.10'.

PROPERTY LINES THIS IS NOT A BOUNDARY SURVEY. PROPERTY LINES SHOWN HEREON ARE BASED UPON READILY AVAILABLE GIS DATA FROM THE CITY OF BELLINGHAM AND ARE SHOWN FOR GRAPHIC PURPOSES ONLY.

UNDERGROUND UTILITIES SHOWN REPRESENT FIELD SURVEYED PAINT MARKS AS PLACED ON THE GROUND BY A UTILITY LOCATE SERVICE TOGETHER WITH AVAILABLE UTILITY AS-BUILT AND REFERENCE DRAWINGS. NO GUARANTEE IS MADE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED OR THAT THE UNDERGROUND UTILITIES ARE SHOWN IN THEIR EXACT LOCATION. THE UTILITIES ARE SHOWN AS ACCURATELY AS POSSIBLE FROM AVAILABLE INFORMATION.

1-800-424-5555 MUST BE CALLED NOT LESS THAN 48 HOURS BEFORE BEGINNING EXCAVATION WHERE ANY UNDERGROUND UTILITIES MAY BE LOCATED. FAILURE TO DO SO COULD MEAN BEARING SUBSTANTIAL REPAIR COSTS. (UP TO THREE TIMES THE COST OF REPAIRS TO THE SERVICE).



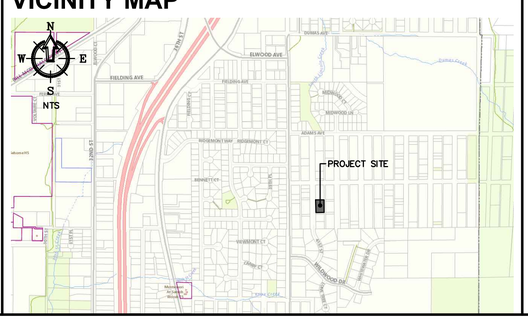
SHEET INDEX

LEGEND

- = FOUND BRASS MON
- = FOUND REBAR AND CAP
- = EXISTING SANITARY SEWER MANHOLE
- = PROPOSED SANITARY SEWER SERVICE
- = PROPOSED SEWER CLEANOUT
- = EXISTING WATER METER BOX
- = EXISTING POWER/AND OR UTILITY POLE
- = EXISTING MAIL BOX
- = EXISTING TELEPHONE PEDESTAL
- = EXISTING LIGHT POLE
- = EXISTING FIRE HYDRANT
- = PROPOSED WATER BLOW-OFF
- = EXISTING STORM DRAIN CATCH BASIN (TYPE I)
- = PROPOSED STORM DRAIN CATCH BASIN
- = PROPOSED STORM DRAIN CLEANOUT
- = DETAIL CALLOUT

- = EXISTING OVERHEAD ELECTRIC LINES
- = EXISTING GAS MAIN
- = EXISTING WATER LINE
- = FUTURE PROPOSED WATER LINE
- = EXISTING SANITARY SEWER LINE
- = PROPOSED SANITARY SEWER LINE
- = FUTURE PROPOSED SEWER LINE
- = EXISTING STORM DRAIN LINE
- = PROPOSED STORM DRAIN LINE
- = EXISTING BARBED WIRE FENCE
- = EXISTING UNDERGROUND POWER
- = EXISTING TOP OF BANK
- = EXISTING TOE OF BANK
- = EXISTING CONTOUR (INDEX)
- = EXISTING CONTOUR (NORMAL)
- = WSDOE BMP C103 CLEARING LIMITS
- = PROPOSED PAVEMENT REPAIR

VICINITY MAP



CONTACT INFORMATION

CIVIL ENGINEER

FREELAND & ASSOCIATES INC.
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2500 ELM ST.
SUITE 1
BELLINGHAM, WA 98225
(360) 650-1408
npalewicz@freelandengineering.com

OWNER

GREENBRIAR CONSTRUCTION
1313 BROADWAY
BELLINGHAM, WA 98225

SURVEYOR

DAVID EVANS AND ASSOCIATES INC.
GIL LAAS
1620 W. MARINE VIEW DR., SUITE 200
LYNDEN, WA 98201
(425) 259-4099
GJLA@DEAINC.COM

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Bellingham, WA 98225
t: 360.650.1408
f: 360.650.1401
FREELAND & ASSOCIATES

REV:	DATE:	DESCRIPTION:	BY:

CLIENT:
GREENBRIAR CONSTRUCTION
2200 DIVISION STREET
SUITE E BELLINGHAM, WA 98226

CALL BEFORE YOU DIG
FOR BURIED UTILITY LOCATIONS
1-800-424-5555

PROJECT LOCATION:
PFC2024-0003 - 41st ST 650'
N/O WILDWOOD
813 41ST STREET
BELLINGHAM, WA 98225

DRAWING #: 22144SP3.DWG
DRAWN BY: JDP
CHECKED BY: NSP
DESIGNED BY: NSP

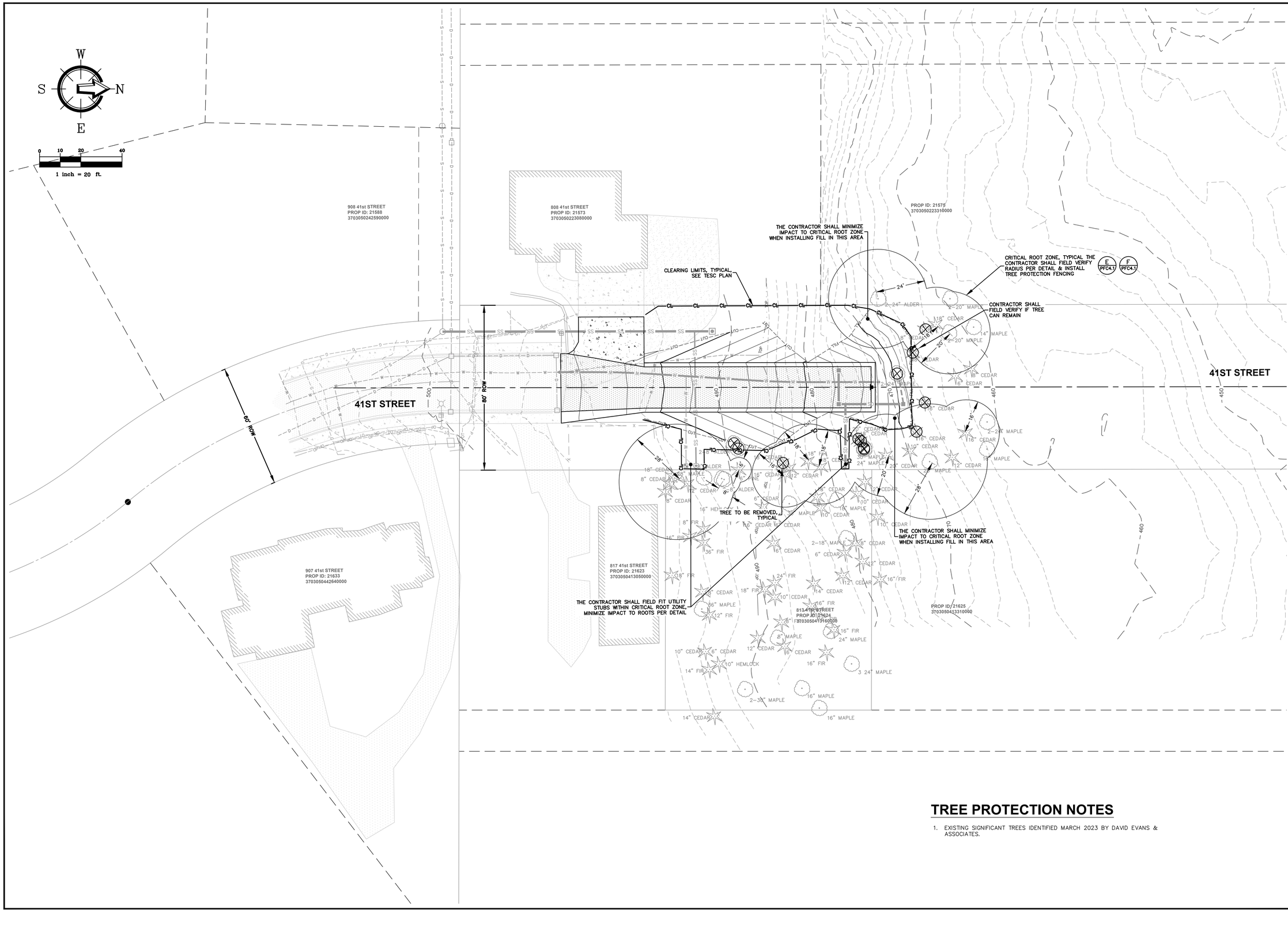
SHEET CONTENTS:
COVER SHEET &
EXISTING CONDITIONS

NICHOLAS SLADEK PALEWICZ
STATE OF WASHINGTON
56442
REGISTERED
PROFESSIONAL ENGINEER
4/2/2025

JOB #: 22144
DATE: 04-02-2025

SHEET:
PFC1

PFC2023-0003



TREE PROTECTION NOTES

1. EXISTING SIGNIFICANT TREES IDENTIFIED MARCH 2023 BY DAVID EVANS & ASSOCIATES.

2500 Elm Street, Suite 1
Bellingham, WA 98225
t: 360.650.1408
f: 360.650.1401
FREELAND & ASSOCIATES

REV:	DATE:	DESCRIPTION:	BY:

CLIENT:
GREENBRIAR CONSTRUCTION
2200 DIVISION STREET
SUITE E BELLINGHAM, WA 98226

CALL BEFORE YOU DIG
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1-800-424-5555

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PFC2024-0003 - 41st ST 650'
N/O WILDWOOD
813 41ST STREET
BELLINGHAM, WA 98225

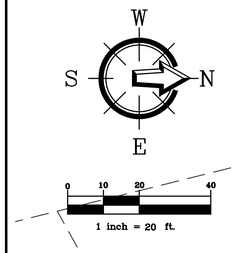
DRAWING #: 22144SP3.DWG
DRAWN BY: JDP
CHECKED BY: NSP
DESIGNED BY: NSP

SHEET CONTENTS:
TREE PROTECTION PLAN

NICHOLAS SLADEK FALLSTAD
STATE OF WASHINGTON
56442
REGISTERED PROFESSIONAL ENGINEER
4/7/2025

JOB #: 22144
DATE: 04-02-2025
SHEET: PFC2

PFC2023-0003



TESC CONTRACTOR RESPONSIBILITY

1. TEMPORARY EROSION CONTROL BMPs SHOWN IN THESE PLANS ARE THE MINIMUM NECESSARY FOR PERMIT APPROVALS. ADDITIONAL BMPs MAY BE REQUIRED DURING THE COURSE OF CONSTRUCTION. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR ADDITIONAL BMPs OR BMP MAINTENANCE THAT MAY BE REQUIRED DURING CONSTRUCTION.
2. THIS PROJECT WILL DISTURB MORE THAN ONE ACRE OF SOIL AND WILL REQUIRE A NATIONAL DISCHARGE ELIMINATION SYSTEM (NPDES) CONSTRUCTION GENERAL PERMIT FROM WASHINGTON DOE. THE OWNER WILL OBTAIN THE NPDES PERMIT AND WILL TRANSFER THE PERMIT TO THE CONTRACTOR PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS IN THE NPDES PERMIT. THE CONTRACTOR SHALL PREPARE AND MAINTAIN AN EROSION CONTROL LOG BOOK IN ACCORDANCE WITH NPDES PERMIT REQUIREMENTS. NO ADDITIONAL COMPENSATION WILL BE MADE FOR BMP MAINTENANCE OR REPAIRS THAT RESULT FROM COMPLIANCE WITH THE NPDES PERMIT. LIKEWISE, ANY ADDITIONAL BMPs THAT MAY BE REQUIRED FOR COMPLIANCE WITH THE NPDES PERMIT DURING CONSTRUCTION SHALL BE IMPLEMENTED AT THE CONTRACTOR'S EXPENSE.

TESC LEGEND

- VEG — WSDOE BMP C101 PRESERVING NATURAL VEGETATION
- CE — WSDOE BMP C105 STABILIZED CONSTRUCTION EXIT (B PFC2)
- PS — WSDOE BMP C120 TEMPORARY AND PERMANENT SEEDING
- 5.13 — WSDOE BMP T5.13 SOIL AMENDMENT (B PFC3)
- IP — WSDOE BMP C220 STORM DRAIN INLET PROTECTION (C PFC3)
- SF — WSDOE BMP C233 SILT FENCE (D PFC3)
- WSDOT STRAW WADDLE (A PFC3)
- CL CL — WSDOE BMP C103 OR BMP C104 CLEARING LIMITS
- EXISTING DRAINAGE FLOW DIRECTION ARROW (SHEET FLOW OR SHALLOW CHANNEL FLOW)

TEMPORARY EROSION/SEDIMENTATION CONTROL

1. A COPY OF THE APPROVED TESC PLAN MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
2. APPROVAL OF THIS TEMPORARY EROSION & SEDIMENTATION CONTROL (TESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT STRUCTURES, DRIVEWAYS OR DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.).
3. THE IMPLEMENTATION OF THIS TESC PLAN AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING OF THESE TESC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED.
4. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION. DURING CONSTRUCTION, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF THE CONSTRUCTION.
5. TESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, UNLESS REVISED BY A CERTIFIED EROSION AND SEDIMENT CONTROL LEAD. TESC FACILITIES SHALL BE INSTALLED IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER ENTER DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS.
6. THE TESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD. THESE TESC FACILITIES SHALL BE UPGRADED (E.G., ADDITIONAL SUMPS, RELOCATION OF DITCHES AND SILT FENCES, ETC,) AS NEEDED FOR UNEXPECTED STORM EVENTS.
7. THE TESC FACILITIES SHALL BE INSPECTED DAILY BY THE CESCL AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTION.
8. ANY AREA NEEDING TESC MEASURES, NOT REQUIRING IMMEDIATE ATTENTION, SHALL BE ADDRESSED WITHIN FIFTEEN (15) DAYS.
9. THE TESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN 24 HOURS FOLLOWING A STORM EVENT THAT PRODUCES RUNOFF FROM THE SITE.
10. WASH PADS MAY BE NECESSARY TO ENSURE PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
11. MULCHING OF ANY TYPE SHALL BE INSTALLED PER THE RATES AND STANDARDS PRESENTED IN VOL. II, TABLE 4.1.8 OF THE STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON, 2014 EDITION BY DEPARTMENT OF ECOLOGY.
12. ALL WORK AND MATERIAL SHALL BE IN ACCORDANCE WITH WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS.
13. EROSION & SEDIMENTATION CONTROL FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS ON THIS PLAN. LOCATIONS MAY BE MOVED TO SUIT FIELD CONDITIONS, SUBJECT TO APPROVAL BY THE CONTRACTORS CESCL OR ENGINEER OF RECORD.
14. COVER ALL DIRT/TOPSOIL PILES WITH PLASTIC SHEETING (BMP C123) DURING CONSTRUCTION WHEN NOT IN USE.
15. NETS AND/OR EROSION CONTROL BLANKETS (BMP C122) MAY BE USED IN LIEU OF TEMPORARY MULCHING.
16. CONSTRUCTION SCHEDULE– PENDING APPROVAL OF PLANS FROM THE _____.
17. ADDITIONAL BMPs MAY BE USED OR REQUIRED AS CONDITIONS WARRANT. BMPs SHALL BE INSTALLED PER RECOMMENDATIONS IN THE DOE STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON, CURRENT EDITION.

908 41st STREET
PROP ID: 21588
3703050242590000

808 41st STREET
PROP ID: 21573
3703050223080000

PROP ID: 21575
3703050223310000

41ST STREET

80' ROW

817 41st STREET
PROP ID: 21623
3703050413050000

813 41st STREET
PROP ID: 21624
3703050413160000

PROP ID: 21625
3703050413310000

VEG
5.13
SF
CE
IP

COVER ALL EXPOSED SOILS THAT ARE DISTURBED FOR CONSTRUCTION. TEMPORARY SOIL COVERING MAY INCLUDE MULCH, STRAW, PLASTIC, ROLLED EROSION CONTROL PRODUCTS (RECP), OR SODDING. PERMANENTLY STABILIZE ALL DISTURBED SOILS WITH TOPSOIL AND VEGETATION. (TYPICAL)

CLEARING LIMITS

2500 Elm Street, Suite 1
Bellingham, WA 98225
t: 360.650.1408
f: 360.650.1401
FREELAND & ASSOCIATES

REV:	DATE:	DESCRIPTION:	BY:

CLIENT:
GREENBRIAR CONSTRUCTION
2200 DIVISION STREET
SUITE E BELLINGHAM, WA 98226

CALL BEFORE YOU DIG
FOR BURIED UTILITY LOCATIONS
1-800-424-5555

PROJECT LOCATION:
PFC2024-0003 - 41st ST 650' N/O WILDWOOD
813 41ST STREET
BELLINGHAM, WA 98225

DRAWING #: 22144SP3.DWG
DRAWN BY: JDP
CHECKED BY:
DESIGNED BY: NSP

SHEET CONTENTS:
TEMPORARY EROSION & SEDIMENT CONTROL PLAN

NICHOLAS SLADEK PARKER
STATE OF WASHINGTON
56442
REGISTERED PROFESSIONAL ENGINEER
4/2/2025

JOB #: 22144
DATE: 04-02-2025
SHEET: PFC3

PFC2023-0003

ELEMENT 1: PRESERVE VEGETATION/MARK CLEARING LIMITS:
a. PRIOR TO BEGINNING LAND-DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRADING, ALL CLEARING LIMITS, SENSITIVE AREAS AND THEIR BUFFERS, AND TREES THAT ARE TO BE PRESERVED WITHIN THE CONSTRUCTION AREA SHOULD BE CLEARLY MARKED, BOTH IN THE FIELD AND ON THE PLANS, TO PREVENT DAMAGE AND OFF-SITE IMPACTS. PLASTIC, METAL, OR STAKE WIRE FENCE MAY BE USED TO MARK THE CLEARING LIMITS. RETAIN THE DUFF LAYER, NATIVE TOP SOIL, AND NATURAL VEGETATION IN AN UNDISTURBED STATE TO THE MAXIMUM DEGREE PRACTICABLE.

ELEMENT 2: ESTABLISH CONSTRUCTION ACCESS:
a. CONSTRUCTION VEHICLES WILL ACCESS THE SITE FROM 41ST STREET.
b. A TYPICAL CONSTRUCTION ENTRANCE HAS BEEN SPECIFIED. CONTRACTOR TO UTILIZE EXISTING STREET. IF CONTRACTOR NOTICES SEDIMENT LEAVING THE SITE A CONSTRUCTION ENTRANCE SHALL BE INSTALLED PER COB DETAIL EC-605 OR AN EQUIVALENT LENGTH OF SHAKER PLATES.
c. WHEEL WASHES OR TIRE BATHS DO NOT APPEAR TO BE NECESSARY IF A STABILIZED PARKING AREA IS PROVIDED ON SITE. IF DEEMED NECESSARY DURING CONSTRUCTION, TIRE BATHS OR WHEEL WASHES WILL BE LOCATED ON SITE.
d. ANY SEDIMENT THAT IS TRACKED OR OTHERWISE DEPOSITED ONTO PAVED SURFACES SHALL BE THOROUGHLY CLEANED AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM PAVED AREAS BY SHOVELING OR VACUUM SWEEPING AND SHALL BE TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
e. STREET WASHING WILL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THE MANNER DESCRIBED IN PART d) ABOVE.

ELEMENT 3: CONTROL FLOW RATES:
a. STORMWATER FLOW CONTROL IS NOT REQUIRED FOR THIS PROJECT. THE RISK OF STORMWATER LEAVING THE SITE IS LOW SINCE THE CONSTRUCTION IS MINIMAL. TEMPORARY STORAGE DEPRESSIONS OR SEDIMENT TRAPS MAY BE CONSTRUCTED IF STORMWATER RUNOFF FLOWS ARE OBSERVED DURING CONSTRUCTION. IN ADDITION, MATERIAL FROM ALL EXCAVATIONS AND TRENCHES SHALL BE LOCATED ON THE UPHILL SIDE OF THE EXCAVATED AREAS AS MUCH AS SAFELY POSSIBLE. THE CONTRACTOR OR, IF USED ON SITE, THE CERTIFIED EROSION AND SEDIMENTATION CONTROL LEAD (CESCL) WILL BE RESPONSIBLE TO DETERMINE IF TEMPORARY STORMWATER STORAGE IS REQUIRED DURING CONSTRUCTION.
b. NO CONVEYANCE ISSUES WERE FOUND DOWNSTREAM OF THE PROJECT.

ELEMENT 4: INSTALL SEDIMENT CONTROLS:
a. CONTRACTOR SHALL STOCKPILE EXISTING TOPSOIL AND REDISTRIBUTE TO LANDSCAPED AREAS AS MUCH AS PRACTICABLE. NATIVE TOPSOIL AND NATURAL VEGETATION SHALL BE PRESERVED TO THE GREATEST EXTENT PRACTICABLE DURING CONSTRUCTION.
b. A TEMPORARY SEDIMENT POND DOES NOT APPEAR TO BE NECESSARY DURING CONSTRUCTION. THE RISK OF STORMWATER LEAVING THE SITE IS LOW SINCE MOST OF THE SITE IS FLAT. THE CONTRACTOR MAY USE ANY OTHER APPLICABLE SEDIMENT CONTROLS, SUCH AS SEDIMENT TRAPS OR POND, AS NECESSARY FOR SITE CONDITIONS DURING CONSTRUCTION.

ELEMENT 5: STABILIZE SOILS:
a. EXISTING VEGETATION SHALL BE RETAINED AS MUCH AND AS LONG AS POSSIBLE. ALL AREAS OF EXPOSED SOIL WITHIN THE WORK LIMITS SHALL BE STABILIZED BY APPLICATION OF BMPs (IDENTIFIED BELOW) THAT PROTECT SOIL FROM THE EROSIVE FORCES OF RAINDROP IMPACTS, FLOWING WATER, AND WIND EROSION. REFER TO THE TIMING REQUIREMENTS IDENTIFIED BELOW. SOIL PILES SHOULD BE COVERED WITH PLASTIC OR ROLLED EROSION CONTROL PRODUCTS WHEN NOT IN USE.
b. BETWEEN OCTOBER 1 AND APRIL 30, NO SOIL SHALL REMAIN EXPOSED AND UNWORKED FOR MORE THAN TWO DAYS. FROM MAY 1 THROUGH SEPTEMBER 30, NO SOIL SHALL REMAIN EXPOSED AND UNWORKED FOR MORE THAN SEVEN DAYS.
c. APPLICABLE PRACTICES INCLUDE, BUT ARE NOT LIMITED TO, TEMPORARY OR PERMANENT SEEDING, SODDING, MULCHING, PLASTIC COVERING, SOIL APPLICATION OF POLYACRYLAMIDE (PAM), EARLY APPLICATION OF GRAVEL BASE ON AREAS TO BE PAVED, AND DUST CONTROL.
d. SOIL STABILIZATION MEASURES SELECTED SHOULD BE APPROPRIATE FOR THE TIME OF YEAR, SITE CONDITIONS, ESTIMATED DURATION OF USE, AND POTENTIAL WATER QUALITY IMPACTS THAT STABILIZATION AGENTS MAY HAVE ON DOWNSTREAM WATERS OR GROUNDWATER.
e. SOIL STOCKPILES MUST BE STABILIZED AND PROTECTED WITH SEDIMENT TRAPPING MEASURES. AS RECOMMENDED IN ELEMENT 4, EXCAVATED SOIL MATERIAL SHOULD BE PLACED UPHILL FROM THE EXCAVATED AREAS.
f. PROPOSED WORK IS LINEAR AND WILL BE UNDER THE CONTROL OF ONE GENERAL CONTRACTOR.
g. AT THE DISCRETION OF CITY OF BELLINGHAM PUBLIC WORKS DIRECTOR, SITES THAT ARE UNABLE TO MAINTAIN ADEQUATE WATER QUALITY IN THEIR STORMWATER DISCHARGES MAY BE REQUIRED TO PROVIDE SOIL STABILIZATION TO ALL EXPOSED SOIL AREAS REGARDLESS OF THE WORKING STATUS OF THE AREA. UPON WRITTEN NOTIFICATION, THE PROPERTY OWNER SHALL PROVIDE FULL STABILIZATION OF ALL EXPOSED SOIL AREAS WITHIN 24 HOURS.
h. CONTRACTOR TO MINIMIZE SOIL COMPACTION AND TO MAXIMUM EXTENT PRESERVE TOPSOIL.

ELEMENT 6: PROTECT SLOPES:
CUT AND FILL SLOPES ARE ANTICIPATED AS PART OF THIS PROJECT. THEREFORE, SUBSECTIONS OF ELEMENT 6 (AS IDENTIFIED IN BELLINGHAM MUNICIPAL CODE 15.42.060.F.2.e) HAVE BEEN APPLIED TO THIS PROJECT. SLOPES SHALL BE DESIGNED AND CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION.

ELEMENT 7: PROTECT DRAIN INLETS:
a. ALL EXISTING AND PROPOSED CATCH BASINS THAT MAY RECEIVE RUNOFF FROM THE SITE, EITHER DURING OR AFTER CONSTRUCTION, SHALL BE PROTECTED WITH CATCH BASIN FILTRATION INSERTS. CATCH BASINS THAT REQUIRE PROTECTION ARE IDENTIFIED IN THE TEMPORARY EROSION CONTROL PLAN DRAWING WITHIN THE CIVIL SITE PLANS.
b. ALL APPROACH ROADS SHALL BE KEPT CLEAN AND ALL SEDIMENT AND STREET WASH WATER SHALL NOT BE ALLOWED TO ENTER STORM DRAINS WITHOUT PRIOR AND ADEQUATE TREATMENT UNLESS TREATMENT IS PROVIDED BEFORE THE STORM DRAIN DISCHARGES TO WATERS OF THE STATE.

ELEMENT 8: STABILIZE CHANNELS AND OUTLETS:
a. IF ANY TEMPORARY DRAINAGE CHANNELS ARE USED DURING CONSTRUCTION, THE CHANNELS SHALL BE DESIGNED AND BUILT TO PREVENT EROSION FROM THE EXPECTED VELOCITY FLOW FROM A 2-YEAR, 24-HOUR STORM EVENT FOR THE DEVELOPED CONDITION.
b. AN EXISTING STABILIZED STORM DRAIN SYSTEM OPERATED BY THE CITY OF BELLINGHAM IS PRESENT AND SHALL BE PROTECTED FROM ANY CONVEYANCE OF STORMWATER RUNOFF IN CHANNELS. NO ADDITIONAL CHANNEL STABILIZATION IS REQUIRED OR PROPOSED FOR THIS PROJECT.

ELEMENT 9: CONTROL POLLUTANTS:
a. ALL POLLUTANTS, INCLUDING WASTE MATERIALS AND DEMOLITION DEBRIS, THAT OCCUR ON SITE SHALL BE DISPOSED OF IN A MANNER THAT DOES NOT CONTAMINATE STORMWATER.
b. COVER, CONTAINMENT, AND PROTECTION FROM VANDALISM SHALL BE PROVIDED FOR ALL CHEMICALS, LIQUID PRODUCTS, PETROLEUM PRODUCTS, AND NON-INERT WASTES PRESENT ON THE SITE.
c. MAINTENANCE AND REPAIR OF HEAVY EQUIPMENT AND VEHICLES INVOLVING OIL CHANGES, HYDRAULIC SYSTEM DRAIN DOWN, SOLVENT AND DE-GREASING CLEANING OPERATIONS, FUEL TANK DRAIN DOWN AND REMOVAL, AND OTHER ACTIVITIES WHICH MAY RESULT IN DISCHARGE OR SPILLAGE OF POLLUTANTS TO THE GROUND OR INTO STORMWATER RUNOFF MUST BE CONDUCTED USING SPILL PREVENTION MEASURES, SUCH AS DRIP PANS. CONTAMINATED SURFACES SHALL BE CLEANED IMMEDIATELY FOLLOWING ANY DISCHARGE OR SPILL INCIDENT. EMERGENCY REPAIRS MAY BE PERFORMED ON-SITE USING TEMPORARY PLASTIC PLACED BENEATH AND, IF RAINING, OVER THE VEHICLE.
d. WHEEL WASH, OR TIRE BATH WASTEWATER, SHALL BE DISCHARGED TO A SEPARATE ON-SITE TREATMENT SYSTEM OR TO THE SANITARY SEWER.
e. AGRICULTURAL CHEMICALS WILL NOT BE APPLIED AT THIS SITE.
f. WASHOUT OF CONCRETE TRUCKS WILL ONLY BE ALLOWED WITHIN SPECIALLY CONSTRUCTED WASHOUT AREAS OR FORMED AREAS AWAITING INSTALLATION OF CONCRETE. IF SITE CONDITIONS PREVENT WASHOUT INTO INTO CONTAINED AREAS OR FORMED AREAS, THEN ANY UNUSED CONCRETE IN THE TRUCK SHALL BE RETURNED TO THE BATCH PLANT FOR RECYCLING. HAND TOOLS, INCLUDING SCREEDS, SHOVELS, RAKES, FLOATS, OR TROWELS SHALL BE WASHED OFF ONLY INTO THE CONTAINED AREAS OR FORMED AREAS AWAITING INSTALLATION OF CONCRETE.

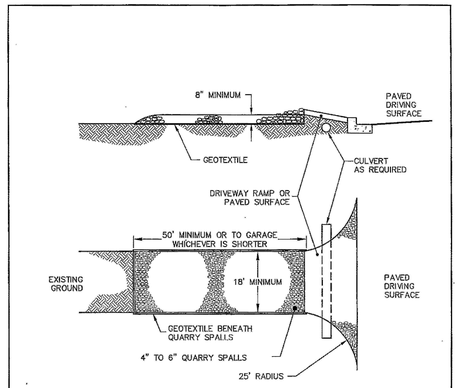
ELEMENT 10: CONTROL DE-WATERING:
a. NO DEWATERING IS PROPOSED AT THIS TIME. IF DEWATERING IS REQUIRED DISCHARGE TO CHANNELS THAT ARE STABILIZED, AS SPECIFIED IN ELEMENT NO. 8.
b. CLEAN, NONTURBID DEWATERING WATER, SUCH AS WELL-POINT GROUND WATER, CAN BE DISCHARGED TO SYSTEMS TRIBUTARY TO STATE SURFACE WATERS, AS SPECIFIED IN ELEMENT NO. 8, PROVIDED THE DEWATERING FLOW DOES NOT CAUSE EROSION OR FLOODING OF THE RECEIVING WATERS. THESE CLEAN WATERS SHOULD NOT BE ROUTED THROUGH SEDIMENT PONDS WITH STORMWATER.
c. HIGHLY TURBID OR OTHERWISE CONTAMINATED DEWATERING WATER, SUCH AS FROM CONSTRUCTION EQUIPMENT OPERATION, CLAMSHELL DIGGING, CONCRETE TREMIE POUR, OR WORK INSIDE A COFFERDAM, SHALL BE HANDLED SEPARATELY FROM STORMWATER AT THE SITE.
d. OTHER DISPOSAL OPTIONS, DEPENDING ON SITE CONSTRAINTS, MAY INCLUDE, BY WAY OF EXAMPLE: (1) INFILTRATION, (2) TRANSPORT OFF SITE IN VEHICLE, SUCH AS A VACUUM FLUSH TRUCK, FOR LEGAL DISPOSAL IN A MANNER THAT DOES NOT POLLUTE STATE WATERS, (3) ON-SITE TREATMENT USING ECOLOGY APPROVED CHEMICAL TREATMENT OR OTHER SUITABLE TREATMENT TECHNOLOGIES, (4) SANITARY OR COMBINED SEWER DISCHARGE WITH LOCAL SEWER DISTRICT APPROVAL, OR THERE IS NO OTHER OPTION, (5) USE OF A SEDIMENTATION BAG THAT DISCHARGES TO A DITCH OR SWALE FOR SMALL VOLUMES OF LOCALIZED DEWATERING.

ELEMENT 11: MAINTAIN BMPS:
a. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL BMPS SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. ALL MAINTENANCE AND REPAIR SHALL BE CONDUCTED IN ACCORDANCE WITH BMP SPECIFICATIONS.
b. SEDIMENT CONTROL BMPS SHALL BE INSPECTED WEEKLY OR AFTER A RUNOFF-PRODUCING STORM EVENT DURING THE DRY SEASON AND DAILY DURING THE WET SEASON.
c. ALL TEMPORARY EROSION AND SEDIMENT CONTROL BMPS SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY BMPS ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON SITE. DISTURBED SOIL AREAS RESULTING FROM REMOVAL OF BMPS OR VEGETATION SHALL BE PERMANENTLY STABILIZED.

ELEMENT 12: MANAGE THE PROJECT:
a. THE PROPOSED IMPROVEMENTS WILL BE BUILT IN A SINGLE PHASE. NO FURTHER DEVELOPMENT IS PROPOSED AT THIS TIME.
b. DISTURBED AREAS WILL BE REVEGETATED WITH TREES, SHRUBS, AND GROUND COVER SPECIES.
c. ALL UTILITIES SHALL BE TAKEN INTO ACCOUNT WHEN MODIFYING THE SWPPP.
d. ALL BMPs SHALL BE INSPECTED, MAINTAINED, AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.
e. THIS PROJECT WILL NOT DISTURB MORE THAN ONE ACRE OF SOIL. A CERTIFIED EROSION AND SEDIMENTATION CONTROL LEAD (CESCL) IS NOT REQUIRED TO MONITOR AND INSPECT BMPS THAT WILL NOT BE USED DURING CONSTRUCTION.
f. WHENEVER INSPECTION AND/OR MONITORING REVEALS THAT THE BMPs IDENTIFIED IN THE CONSTRUCTION SWPPP ARE INADEQUATE, DUE TO ACTUAL DISCHARGE OF OR POTENTIAL TO DISCHARGE A SIGNIFICANT AMOUNT OF ANY POLLUTANT, THE SWPPP SHALL BE MODIFIED AS APPROPRIATE, IN A TIMELY MANNER.
g. THIS CONSTRUCTION SWPPP SHALL BE RETAINED ON-SITE. THIS SWPPP SHALL BE MODIFIED WHENEVER THERE IS A SIGNIFICANT CHANGE IN THE DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE OF ANY BMP.

ELEMENT 13: LOW IMPACT DEVELOPMENT:
a. BMP T5.13 IS PROPOSED FOR THIS PROJECT. PROTECT COMPLETED LAWN AND LANDSCAPE AREAS FROM COMPACTION DUE TO CONSTRUCTION EQUIPMENT.

A STORMWATER POLLUTION PROTECTION PLAN



PLAN
NTS

NOTES:
1. PAD SHALL BE REMOVED AND REPLACED WHEN SOIL IS EVIDENT ON THE SURFACE OF THE PAD OR AS DIRECTED BY THE CITY.
2. PAD SHALL BE INSTALLED IN PLANTING STRIP AS APPROPRIATE.
3. PAD THICKNESS SHALL BE INCREASED IF SOIL CONDITIONS DICTATE OR PER THE DIRECTION OF THE CITY.
4. MINIMUM DIMENSIONS MAY BE MODIFIED AS REQUIRED BY SITE CONDITIONS UPON APPROVAL OF THE CITY.

APPROVED		CITY OF BELLINGHAM	DRAWING
City Engineer	Date	TEMPORARY CONSTRUCTION EXIT-SINGLE FAMILY	EC-605

B CONSTRUCTION ENTRANCE
nts

BMP C152: Sawcutting and Surfacing Pollution Prevention

Purpose
Sawcutting and surfacing operations generate slurry and process water that contains fine particles and high pH (concrete cutting), both of which can violate the water quality standards in the receiving water. Concrete spillage or concrete discharge to surface waters of the State is prohibited. Use this BMP to minimize and eliminate process water and slurry created through sawcutting or surfacing from entering waters of the State.

Conditions of Use
Utilize these management practices anytime sawcutting or surfacing operations take place. Sawcutting and surfacing operations include, but are not limited to, the following:
- Sawing
- Coring
- Grinding
- Roughening
- Hydro-demolition
- Bridge and road surfacing

Design and Installation Specifications
- Vacuum slurry and cuttings during cutting and surfacing operations.
- Slurry and cuttings shall not remain on permanent concrete or asphalt pavement overnight.
- Slurry and cuttings shall not drain to any natural or constructed drainage conveyance including stormwater systems. This may require temporarily blocking catch basins.
- Dispose of collected slurry and cuttings in a manner that does not violate ground water or surface water quality standards.
- Do not allow process water generated during hydro-demolition, surface roughening or similar operations to drain to any natural or constructed drainage conveyance including stormwater systems. Dispose process water in a manner that does not violate ground water or surface water quality standards.
- Handle and dispose cleaning waste material and demolition debris in a manner that does not cause contamination of water. Dispose of sweeping material from a pick-up sweeper at an appropriate disposal site.

Maintenance Standards
Continually monitor operations to determine whether slurry, cuttings, or process water could enter waters of the state. If inspections show that a violation of water quality standards could occur, stop operations and immediately implement preventive measures such as berms, barriers, secondary containment, and vacuum trucks.

Volume II – Construction Stormwater Pollution Prevention - August 2012
4-44

C SAWCUTTING & SURFACE POLLUTION
nts

2500 Elm Street, Suite 1
Bellingham, WA 98225
t: 360.650.1408
f: 360.650.1401
FREELAND & ASSOCIATES

REV:	DATE:	DESCRIPTION:	BY:

CLIENT:
GREENBRIAR CONSTRUCTION
2200 DIVISION STREET
SUITE E BELLINGHAM, WA 98226

CALL BEFORE YOU DIG
FOR BURIED UTILITY LOCATIONS
1-800-424-5555

PROJECT LOCATION:
PFC2024-0003 - 41st ST 650'
N/O WILDWOOD
813 41ST STREET
BELLINGHAM, WA 98225

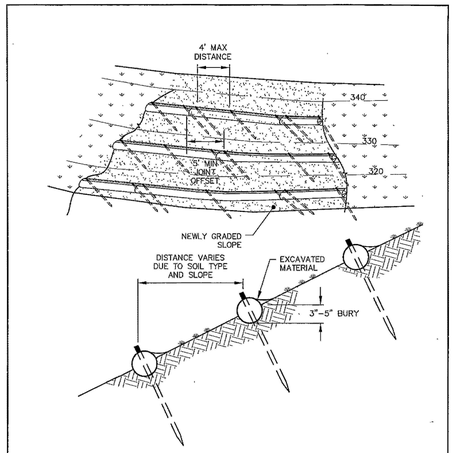
DRAWING #: 22144SP3.DWG
DRAWN BY: JDP
CHECKED BY: NSP
DESIGNED BY: NSP

SHEET CONTENTS:
SWPPP & TEMPORARY EROSION & SEDIMENT CONTROL DETAILS

NICHOLAS SLADEK FALLENAY
STATE OF WASHINGTON
56442
REGISTERED PROFESSIONAL ENGINEER
4/2/2025

JOB #: 22144
DATE: 04-02-2025
SHEET: PFC4.0

PFC2023-0003

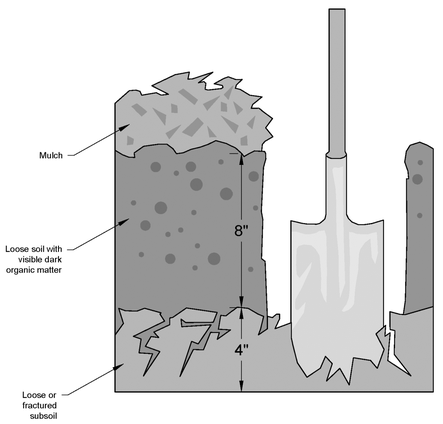


NOTES:

1. JOINTS MUST BE OFFSET BY NO LESS THAN FIVE FEET.
2. ROLLS SHALL BE ALIGNED PARALLEL TO ELEVATION CONTOURS.
3. HYDROSEED OR MULCH SLOPE FOR ADDITIONAL EROSION CONTROL.

APPROVED City Engineer / Date 11/29/04	CITY OF BELLINGHAM STRAW ROLLS	DRAWING EC-655

A STRAW ROLL WADDLE
nts



Reprinted from *Guidelines and Resources For Implementing Soil Quality and Depth BMP T5.13 in WDOE Stormwater Management Manual for Western Washington*, 2010, Washington Organic Recycling Council

NOT TO SCALE

DEPARTMENT OF ECOLOGY State of Washington

Planting Bed Cross-Section

Revised June 2016

GENERAL NOTES

ESTABLISHING A MINIMUM SOIL QUALITY AND DEPTH IS NOT THE SAME AS PRESERVATION OF NATURALLY OCCURRING SOIL AND VEGETATION. HOWEVER, ESTABLISHING A MINIMUM SOIL QUALITY AND DEPTH WILL PROVIDE IMPROVED ON-SITE MANAGEMENT OF STORMWATER FLOW AND WATER QUALITY. SOIL ORGANIC MATTER CAN BE ATTAINED THROUGH NUMEROUS MATERIALS SUCH AS COMPOST, COMPOSTED WOODY MATERIAL, BIOSOLIDS, AND FOREST PRODUCT RESIDUALS. IT IS IMPORTANT THAT THE MATERIALS USED TO MEET THE SOIL QUALITY AND DEPTH BMP BE APPROPRIATE AND BENEFICIAL TO THE PLANT COVER TO BE ESTABLISHED. LIKEWISE, IT IS IMPORTANT THAT IMPORTED TOPSOILS IMPROVE SOIL CONDITIONS AND DO NOT HAVE AN EXCESSIVE PERCENT OF CLAY FINES. THIS BMP CAN BE CONSIDERED INFEASIBLE ON TILL SOIL SLOPES GREATER THAN 33 PERCENT.

DESIGN GUIDELINES

SOIL RETENTION: RETAIN, IN AN UNDISTURBED STATE, THE DUFF LAYER AND NATIVE TOPSOIL TO THE MAXIMUM EXTENT PRACTICABLE. IN ANY AREAS REQUIRING GRADING REMOVE AND STOCKPILE THE DUFF LAYER AND TOPSOIL ON SITE IN A DESIGNATED, CONTROLLED AREA, NOT ADJACENT TO PUBLIC RESOURCES AND CRITICAL AREAS, TO BE REAPPLIED TO OTHER PORTIONS OF THE SITE WHERE FEASIBLE.

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

1. A TOPSOIL LAYER WITH A MINIMUM ORGANIC MATTER CONTENT OF 10% DRY WEIGHT IN PLANTING BEDS, AND 5% ORGANIC MATTER CONTENT IN TURF AREAS, AND A PH FROM 6.0 TO 8.0 OR MATCHING THE PH OF THE UNDISTURBED SOIL. THE TOPSOIL LAYER SHALL HAVE A MINIMUM DEPTH OF EIGHT INCHES EXCEPT WHERE TREE ROOTS LIMIT THE DEPTH OF INCORPORATION OF AMENDMENTS NEEDED TO MEET THE CRITERIA. SUBSOILS BELOW THE TOPSOIL LAYER SHOULD BE SCARIFIED AT LEAST 4 INCHES WITH SOME INCORPORATION OF THE UPPER MATERIAL TO AVOID STRATIFIED LAYERS, WHERE FEASIBLE.
2. MULCH PLANTING BEDS WITH 2 INCHES OF ORGANIC MATERIAL
3. USE COMPOST AND OTHER MATERIALS THAT MEET THESE ORGANIC CONTENT REQUIREMENTS:
   a. THE ORGANIC CONTENT FOR "PRE-APPROVED" AMENDMENT RATES CAN BE MET ONLY USING COMPOST MEETING THE COMPOST SPECIFICATION FOR BIORETENTION (BMP T7.30), WITH THE EXCEPTION THAT THE COMPOST MAY HAVE UP TO 35% BIOSOLIDS OR MANURE. THE COMPOST MUST ALSO HAVE AN ORGANIC MATTER CONTENT OF 40% TO 65%, AND A CARBON TO NITROGEN RATION BELOW 25:1. THE CARBON TO NITROGEN RATION MAY BE AS HIGH 35:1 FOR PLANTINGS COMPOSED ENTIRELY OF PLANTS NATIVE TO THE PUGET SOUND LOWLANDS REGION.
   b. CALCULATED AMENDMENT RATES MAY BE MET THROUGH USE OF COMPOSTED MATERIALS MEETING (A.) ABOVE; OR OTHER ORGANIC MATERIALS AMENDED TO MEET THE CARBON TO NITROGEN RATIO REQUIREMENTS, AND MEETING THE CONTAMINANT STANDARDS OF GRADE A COMPOST.

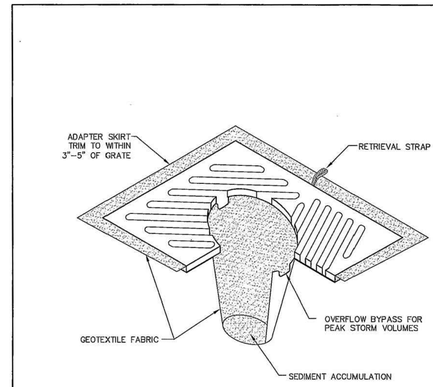
THE RESULTING SOIL SHOULD BE CONDUCIVE TO THE TYPE OF VEGETATION TO BE ESTABLISHED.

IMPLEMENTATION OPTIONS: THE SOIL QUALITY DESIGN GUIDELINES LISTED ABOVE CAN BE MET BY USING ONE OF THE METHODS LISTED BELOW:

1. LEAVE UNDISTURBED NATIVE VEGETATION AND SOIL, AND PROTECT FROM COMPACTION DURING CONSTRUCTION.
2. AMEND EXISTING SITE TOPSOIL OR SUBSOIL EITHER AT DEFAULT 'PRE-APPROVED' RATES, OR AT CUSTOM CALCULATED RATES BASED ON TESTS OF THE SOIL AND AMENDMENT.
3. STOCKPILE EXISTING TOPSOIL DURING GRADING, AND REPLACE IT PRIOR TO PLANTING. STOCKPILED TOPSOIL MUST ALSO BE AMENDED IF NEEDED TO MEET THE ORGANIC MATTER OR DEPTH REQUIREMENTS, EITHER AT A DEFAULT 'PRE-APPROVED' RATE OR AT A CUSTOM CALCULATED RATE.
4. IMPORT TOPSOIL MIX OF SUFFICIENT ORGANIC CONTENT AND DEPTH TO MEET THE REQUIREMENTS.

MORE THAN ONE METHOD MAY BE USED ON DIFFERENT PORTIONS OF THE SAME SITE. SOIL THAT ALREADY MEETS THE DEPTH AND ORGANIC MATTER QUALITY STANDARDS, AND IS NOT COMPACTED, DOES NOT NEED TO BE AMENDED.

B SOIL AMENDMENTS - BMP T5.13
nts

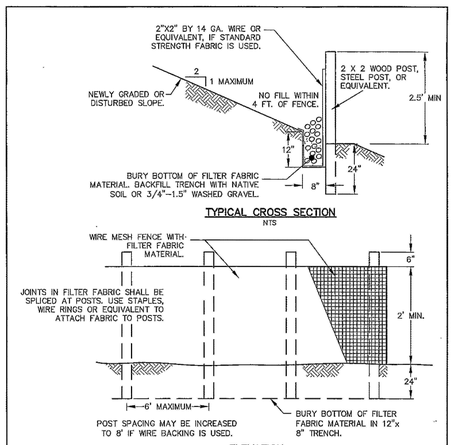


NOTES:

1. INSERT SHALL BE INSTALLED PRIOR TO CLEARING AND GRADING ACTIVITY, OR UPON PLACEMENT OF A NEW CATCH BASIN.
2. SEDIMENT SHALL BE REMOVED FROM THE UNIT WHEN IT BECOMES HALF FULL.
3. SEDIMENT REMOVAL SHALL BE ACCOMPLISHED BY REMOVING THE INSERT, EMPTYING, AND RE-INSERTING IT INTO THE CATCH BASIN.

APPROVED City Engineer / Date 11/29/04	CITY OF BELLINGHAM CATCH BASIN INSERT	DRAWING EC-620

C CATCH BASIN INSERT
nts

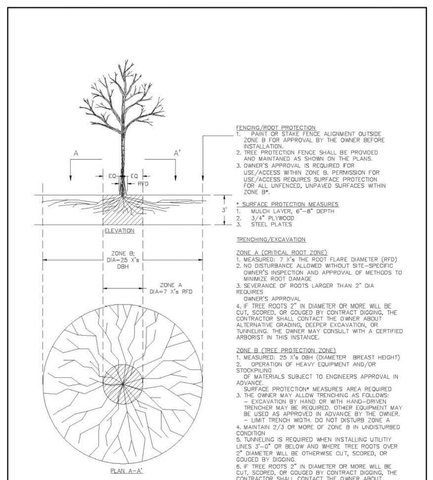


NOTES:

1. FENCE SHALL NOT BE INSTALLED ON SLOPES STEEPER THAN 2:1.
2. JOINTS IN FILTER FABRIC SHALL BE OVERLAPPED 6 INCHES AT POST.
3. USE STAPLES, WIRE RINGS, OR EQUIVALENT TO ATTACH FABRIC TO WIRE FENCE.
4. REMOVE SEDIMENT WHEN IT REACHES 1/3 FENCE HEIGHT.

APPROVED City Engineer / Date 11/29/04	CITY OF BELLINGHAM REINFORCED SILT FENCE	DRAWING EC-615

D SILT FENCE
nts



FENCING/ROOT PROTECTION
1. PAINT OR STAKE FENCE ALIGNMENT OUTSIDE ZONE B FOR APPROVAL BY THE OWNER BEFORE INSTALLATION.
2. TREE PROTECTION FENCE SHALL BE PROVIDED AND MAINTAINED AS SHOWN ON THE PLANS.
3. OWNER'S APPROVAL IS REQUIRED FOR USE/ACCESS WITHIN ZONE B. PERMISSION FOR USE/ACCESS REQUIRES SURFACE PROTECTION FOR ALL UNFENCED, UNPAVED SURFACES WITHIN ZONE B*.

* SURFACE PROTECTION MEASURES
1. MULCH LAYER, 6"-8" DEPTH
2. 3/4" PLYWOOD
3. STEEL PLATES

TRENCHING/EXCAVATION

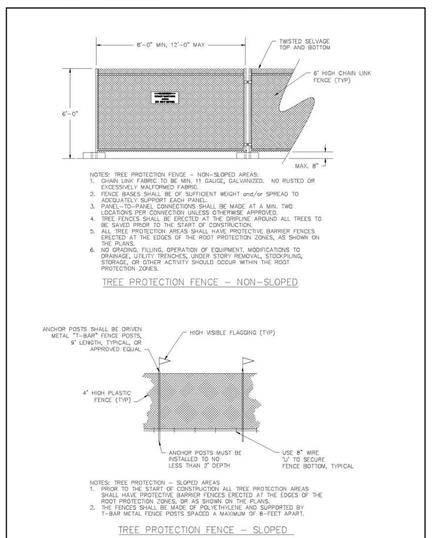
ZONE A (CRITICAL ROOT ZONE):
1. MEASURED: 1 1/2'X DBH ROOT FLARE DIAMETER (RFD)
2. NO DISTURBANCE ALLOWED WITHOUT SITE-SPECIFIC OWNER'S INSPECTION AND APPROVAL OF METHODS TO MINIMIZE ROOT DAMAGE
3. SEVERANCE OF ROOTS LARGER THAN 2" DIA REQUIRES OWNER'S APPROVAL
4. IF TREE ROOTS 2" IN DIAMETER OR MORE WILL BE CUT, SCORED, OR GOUGED BY CONTRACT DIGGING, THE CONTRACTOR SHALL CONTACT THE OWNER ABOUT ALTERNATIVE GRADING, DEEPER EXCAVATION, OR TUNNELING. THE OWNER MAY CONSULT WITH A CERTIFIED ARBORIST IN THIS INSTANCE.

ZONE B (TREE PROTECTION ZONE):
1. MEASURED: 2S X'S DBH (DIAMETER BREAST HEIGHT)
2. OPERATION OF HEAVY EQUIPMENT AND/OR STOCKPILING OF MATERIALS SUBJECT TO ENGINEERS APPROVAL IN ADVANCE.
   SURFACE PROTECTION* MEASURES AREA REQUIRED
3. THE OWNER MAY ALLOW TRENCHING AS FOLLOWS:
   - EXCAVATION BY HAND OR WITH HAND-DRIVEN TRENCHER MAY BE REQUIRED. OTHER EQUIPMENT MAY BE USED WITH APPROVAL IN ADVANCE BY THE OWNER.
   - LIMIT TRENCH WIDTH TO DO NOT DISTURB TO ONE SIDE.
4. MAINTAIN 2/3 OR MORE OF ZONE B IN UNDISTURBED CONDITION
5. TUNNELING IS REQUIRED WHEN INSTALLING UTILITY LINES 3'-0" OR BELOW AND WHERE TREE ROOTS OVER 2" DIAMETER WILL BE OTHERWISE CUT, SCORED, OR GOUGED BY DIGGING.
6. IF TREE ROOTS 2" IN DIAMETER OR MORE WILL BE CUT, SCORED, OR GOUGED BY CONTRACT DIGGING, THE CONTRACTOR SHALL CONTACT THE OWNER ABOUT ALTERNATIVE GRADING, DEEPER EXCAVATION, OR TUNNELING. THE OWNER MAY CONSULT WITH A CERTIFIED ARBORIST IN THIS INSTANCE.

DAMAGED OR DESTROYED PLANT REPLACEMENT
1. SEE SECTION 02531 OF THE SPECIFICATIONS

PARKS AND RECREATION DESIGN AND DEVELOPMENT DECEMBER 5, 2011	CITY OF BELLINGHAM TREE PROTECTION DETAIL SCALE: NTS	DRAWING 02950.07

E TREE PROTECTION
nts



NOTES: TREE PROTECTION FENCE - NON-SLOPED AREAS:
1. CHAIN LINK FABRIC TO BE MIN. 11 GAUGE, GALVANIZED. NO RUSTED OR EXCESSIVELY MALFORMED FABRIC.
2. FENCE BASES SHALL BE OF SUFFICIENT WEIGHT and/or SPREAD TO ADEQUATELY SUPPORT EACH PANEL.
3. PANEL-TO-PANEL CONNECTIONS SHALL BE MADE AT A MIN. TWO LOCATIONS PER CONNECTION UNLESS OTHERWISE APPROVED.
4. TREE FENCES SHALL BE ERECTED AT THE DRIPLINE AROUND ALL TREES TO BE RETAINED, UNLESS OTHERWISE APPROVED BY THE CITY.
5. ALL TREE PROTECTION AREAS SHALL HAVE PROTECTIVE BARRIER FENCES ERECTED AT THE EDGES OF THE ROOT PROTECTION ZONES, AS SHOWN ON THE PLANS.
6. NO GRADING, FILLING, OPERATION OF EQUIPMENT, MODIFICATIONS TO DRAINAGE, UTILITY TRENCHES, UNDER STORY REMOVAL, STOCKPILING, STORAGE, OR OTHER ACTIVITY SHOULD OCCUR WITHIN THE ROOT PROTECTION ZONES.

NOTES: TREE PROTECTION - SLOPED AREAS
1. PRIOR TO THE START OF CONSTRUCTION ALL TREE PROTECTION AREAS SHALL HAVE PROTECTIVE BARRIER FENCES ERECTED AT THE EDGES OF THE ROOT PROTECTION ZONES, OR AS SHOWN ON THE PLANS.
2. THE FENCES SHALL BE MADE OF POLYETHYLENE AND SUPPORTED BY T-BAR METAL FENCE POSTS SPACED A MAXIMUM OF 8-FEET APART.

PARKS AND RECREATION DESIGN AND DEVELOPMENT DECEMBER 5, 2011	CITY OF BELLINGHAM TREE PROTECTION FENCE SCALE: NTS	DRAWING 02950.06

D TREE PROTECTION FENCE
nts

2500 Elm Street, Suite 1
Bellingham, WA 98225
t: 360.650.1408
f: 360.650.1401
FREELAND & ASSOCIATES

REV:	DATE:	DESCRIPTION:	BY:

CLIENT:
GREENBRIAR CONSTRUCTION
2200 DIVISION STREET
SUITE E BELLINGHAM, WA 98226

CALL BEFORE YOU DIG
FOR BURIED UTILITY LOCATIONS
1-800-424-5555

PROJECT LOCATION:
PFC2024-0003 - 41st ST 650'
N/O WILDWOOD
813 41ST STREET
BELLINGHAM, WA 98225

DRAWING #: 22144SP-3.DWG
DRAWN BY: JDP
CHECKED BY: NSP
DESIGNED BY: NSP

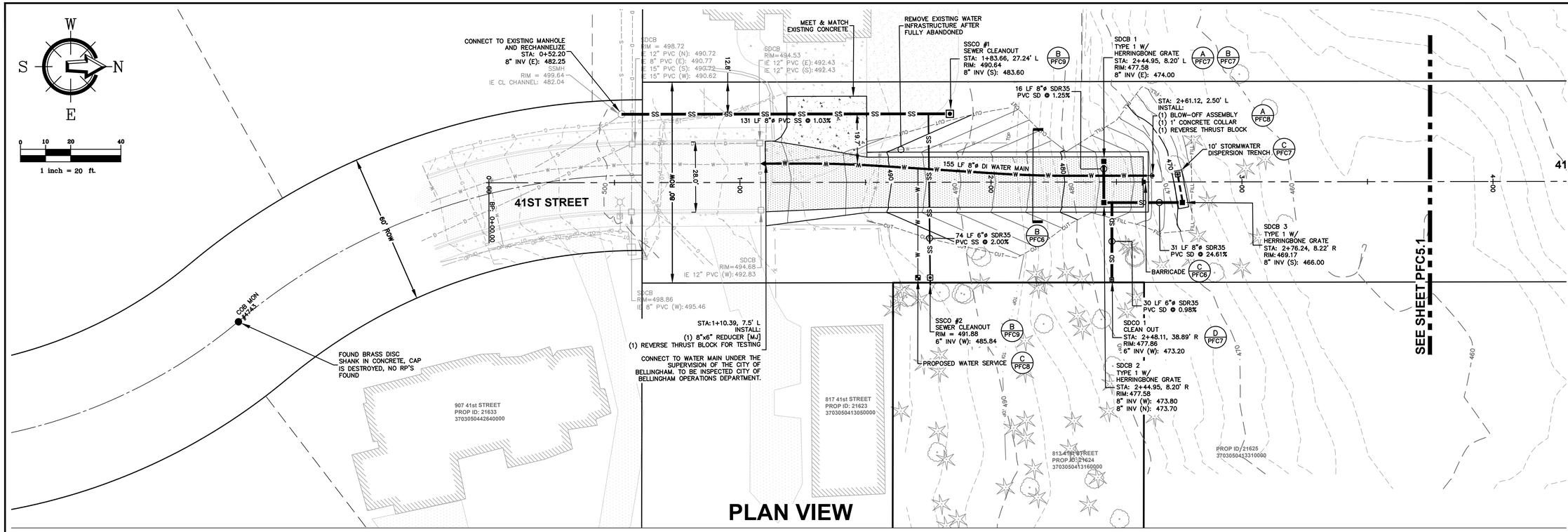
SHEET CONTENTS:
TEMPORARY EROSION & SEDIMENT CONTROL DETAILS

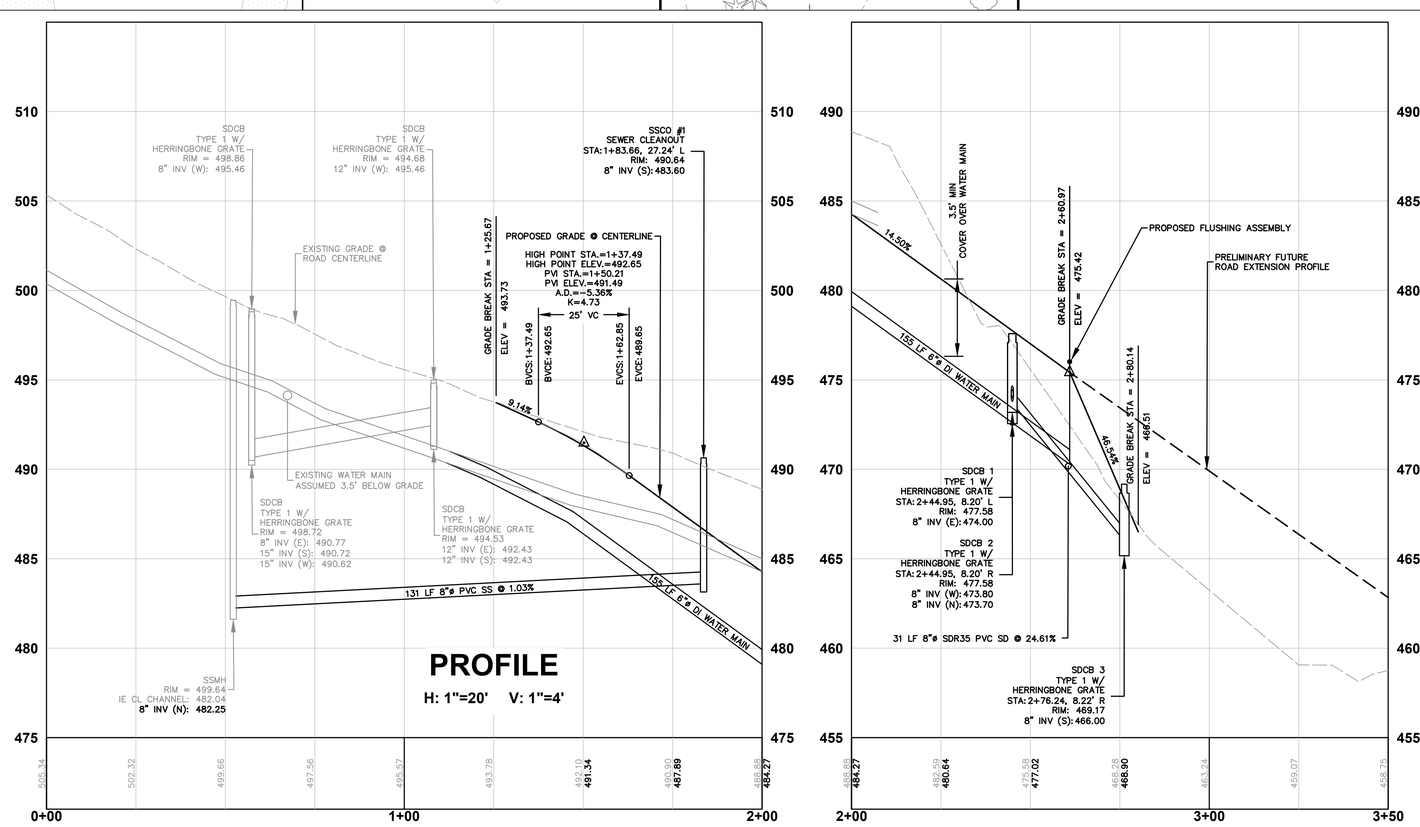
NICHOLAS SLADEK PALMER
STATE OF WASHINGTON
56442
REGISTERED PROFESSIONAL ENGINEER
4/2/2025

JOB #: 22144
DATE: 04-02-2025

SHEET:
PFC4.1

PFC2023-0003





2500 Elm Street, Suite 1
Bellingham, WA 98225
t: 360.650.1408
f: 360.650.1401
FREELAND & ASSOCIATES

REV:	DATE:	DESCRIPTION:	BY:

CLIENT:
GREENBRIAR CONSTRUCTION
2200 DIVISION STREET
SUITE E BELLINGHAM, WA 98226

CALL BEFORE YOU DIG
FOR BURIED UTILITY LOCATIONS
1-800-424-5555

PROJECT LOCATION:
PFC2024-0003 - 41st ST 650'
N/O WILDWOOD
813 41ST STREET
BELLINGHAM, WA 98225

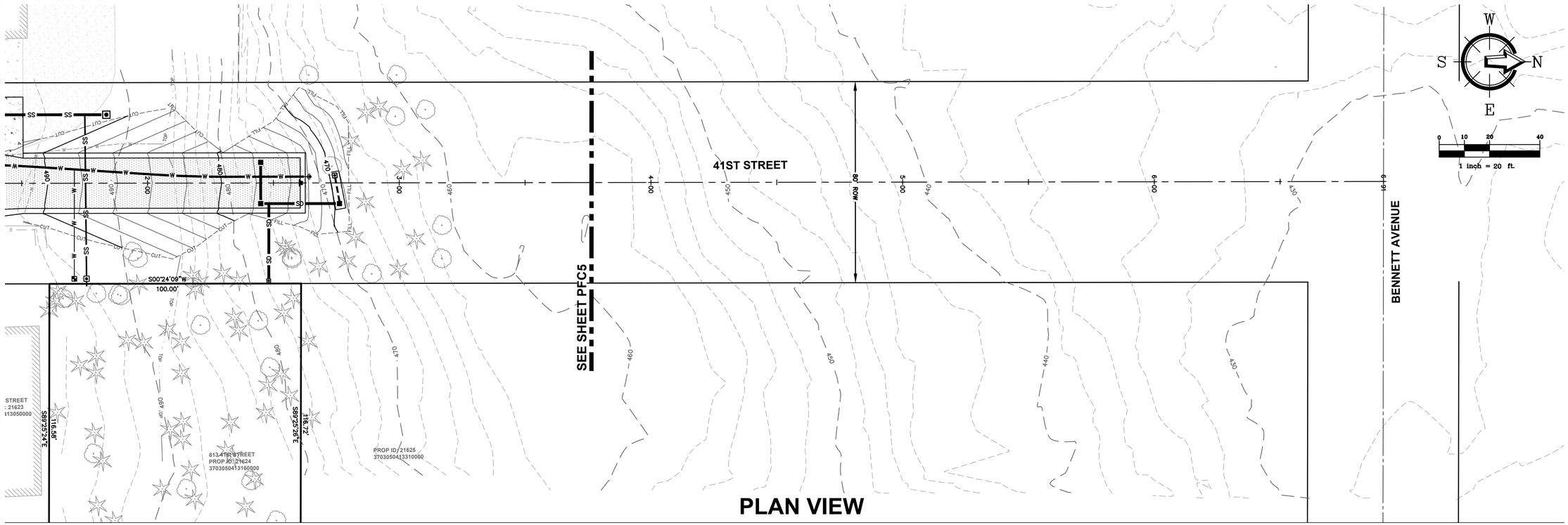
DRAWING #: 22144SP-3.DWG
DRAWN BY: JDP
CHECKED BY: NSP
DESIGNED BY: NSP

SHEET CONTENTS:
ROAD, DRAINAGE, & UTILITY PLAN & PROFILE

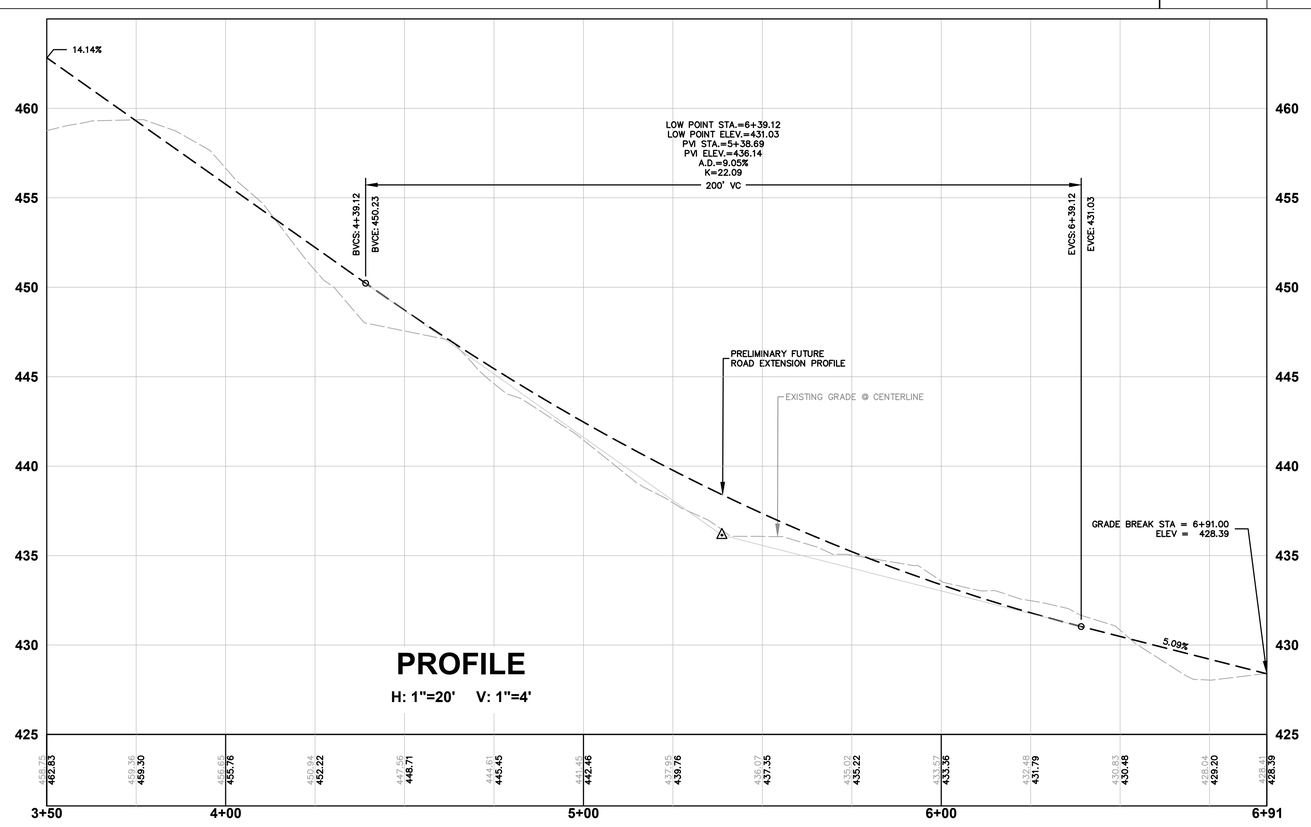
NICHOLAS SLADE PALMER
STATE OF WASHINGTON
56442
REGISTERED PROFESSIONAL ENGINEER
4/2/2025

JOB #: 22144
DATE: 04-02-2025
SHEET: PFC5

PFC2023-0003



PLAN VIEW



PROFILE

H: 1"=20' V: 1"=4'

2500 Elm Street, Suite 1
Bellingham, WA 98225
t: 360.650.1408
f: 360.650.1401
FREELAND & ASSOCIATES

REV:	DATE:	DESCRIPTION:	BY:

CLIENT:
GREENBRIAR CONSTRUCTION
2200 DIVISION STREET
SUITE E BELLINGHAM, WA 98226

CALL BEFORE YOU DIG
FOR BURIED UTILITY LOCATIONS
1-800-424-5555

PROJECT LOCATION:
PFC2024-0003 - 41st ST 650'
N/O WILDWOOD
813 41ST STREET
BELLINGHAM, WA 98225

DRAWING #: 22144SP3.DWG
DRAWN BY: JDP
CHECKED BY: NSP
DESIGNED BY: NSP

SHEET CONTENTS:
PRELIMINARY FUTURE ROAD
EXTENSION PROFILE

NICHOLAS SLADE PALMER
STATE OF WASHINGTON
56442
REGISTERED
PROFESSIONAL ENGINEER
4/2/2025

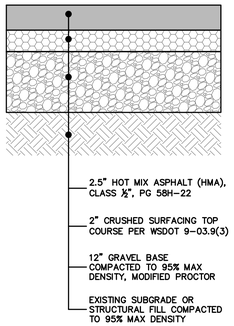
JOB #: 22144
DATE: 04-02-2025

SHEET:
PFC5.1

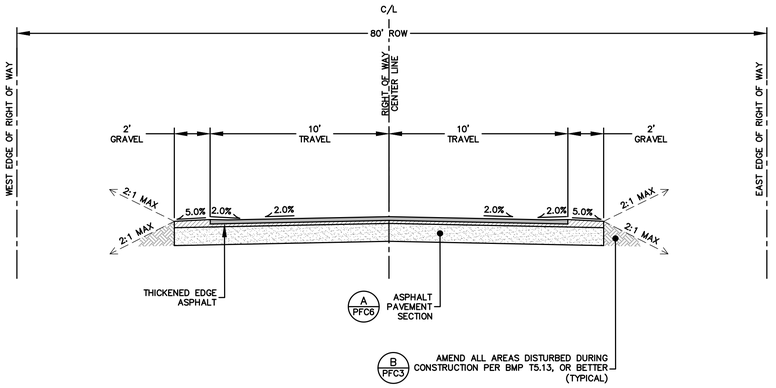
PFC2023-0003

NOTES:

1. ALL DEPTHS REPRESENT COMPACTED THICKNESSES.
2. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO THE PROVISIONS OF APWA "STANDARD SPECIFICATIONS" AND SHALL CONFORM TO THE REQUIREMENTS OF THE CITY ENGINEER.
3. AN EQUIVALENT ASPHALT TREATED BASE MAY BE SUBSTITUTED FOR THE GRAVEL BASE AND CRUSHED ROCK UPON APPROVAL OF THE CITY ENGINEER.
4. ENGINEER OF RECORD SHALL CERTIFY SUBGRADE PRIOR TO PAVING.



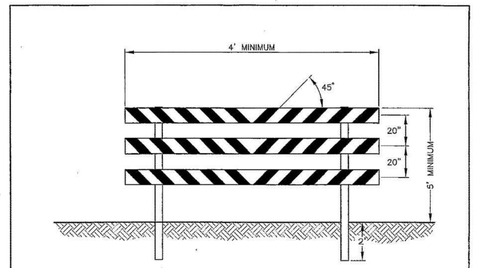
A ASPHALT PAVEMENT SECTION
nts



NOTES:

1. ALL DEPTHS REPRESENT COMPACTED THICKNESSES.
2. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO THE PREVISIONS OF APWA "STANDARD SPECIFICATIONS" AND SHALL CONFORM TO THE REQUIREMENTS OF THE CITY ENGINEER.

B 41st STREET EXTENSION SECTION
nts



NOTES:

WIDTH OF RAIL = 8" TO 12"

LENGTH OF RAIL = 4' MIN. TO 8' MAX.

WIDTH OF STRIPES = 6"

HEIGHT = 5' MIN.

TYPE OF FRAME = 4"x4" POST BURIED 2' DEEP

COLOR = RED ON WHITE, FULLY REFLECTORIZED

APPROVED City Engineer	Date	CITY OF BELLINGHAM	DRAWING
		TYPE 3 BARRICADE	TC-325

C BARRICADE
nts

2500 Elm Street, Suite 1
Bellingham, WA 98225
t: 360.650.1408
f: 360.650.1401
FREELAND & ASSOCIATES

REV:	DATE:	DESCRIPTION:	BY:

CLIENT:
GREENBRIAR CONSTRUCTION
2200 DIVISION STREET
SUITE E BELLINGHAM, WA 98226

CALL BEFORE YOU DIG
FOR BURIED UTILITY LOCATIONS
1-800-424-5555

PROJECT LOCATION:
PFC2024-0003 - 41st ST 650'
N/O WILDWOOD
813 41ST STREET
BELLINGHAM, WA 98225

DRAWING #: 22144SP3.DWG
DRAWN BY: JDP
CHECKED BY: NSP
DESIGNED BY: NSP

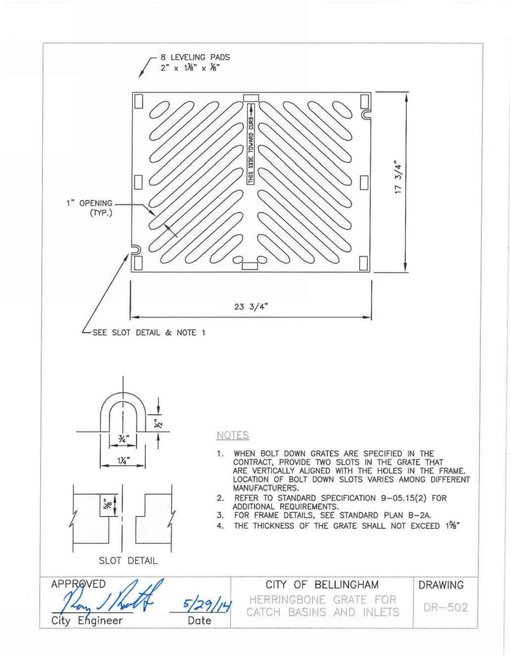
SHEET CONTENTS:
ROAD DETAILS

NICHOLAS SLADEK FALLEN
STATE OF WASHINGTON
56442
REGISTERED PROFESSIONAL ENGINEER
4/2/2025

JOB #: 22144
DATE: 04-02-2025

SHEET:
PFC6

PFC2023-0003



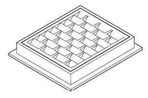
NOTES

1. WHEN BOLT DOWN GRATES ARE SPECIFIED IN THE CONTRACT, PROVIDE TWO SLOTS IN THE GRATE THAT ARE VERTICALLY ALIGNED WITH THE HOLES IN THE FRAME. LOCATION OF BOLT DOWN SLOTS VARIES AMONG DIFFERENT MANUFACTURERS.
2. REFER TO STANDARD SPECIFICATION 9-05.15(2) FOR ADDITIONAL REQUIREMENTS.
3. FOR FRAME DETAILS, SEE STANDARD PLAN B-2A.
4. THE THICKNESS OF THE GRATE SHALL NOT EXCEED 1⅞"

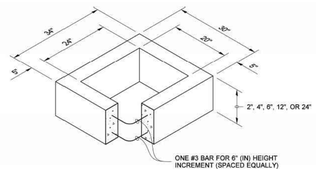
APPROVED		CITY OF BELLINGHAM	DRAWING
City Engineer	5/29/14 Date	HERRINGBONE GRATE FOR CATCH BASINS AND INLETS	DR-502

A CATCH BASIN GRATE
nts

DRAWN BY: FERN LIDDELL



FRAME AND VANED GRATE



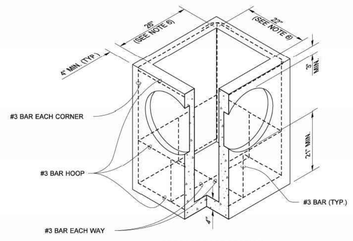
RECTANGULAR ADJUSTMENT SECTION

PIPE ALLOWANCES	
PIPE MATERIAL	MAXIMUM INSIDE DIAMETER (INCHES)
REINFORCED OR PLAIN CONCRETE	12"
ALL METAL PIPE	15"
CPSSP ★ (STD. SPEC. SECT. 9-05.20)	12"
SOLID WALL PVC (STD. SPEC. SECT. 9-05.12(1))	15"
PROFILE WALL PVC (STD. SPEC. SECT. 9-05.12(2))	15"

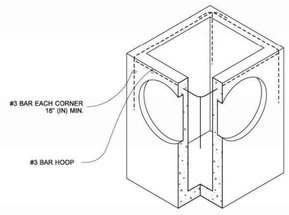
★ CORRUGATED POLYETHYLENE STORM SEWER PIPE

NOTES

1. As acceptable alternatives to the rebar shown in the **PRECAST BASE SECTION**, fibers (placed according to the Standard Specifications), or wire mesh having a minimum area of 0.12 square inches per foot shall be used with the minimum required rebar shown in the **ALTERNATIVE PRECAST BASE SECTION**. Wire mesh shall not be placed in the knockouts.
2. The knockout diameter shall not be greater than 20" (in). Knockouts shall have a wall thickness of 2" (in) minimum to 2.5" (in) maximum. Provide a 1.5" (in) minimum gap between the knockout wall and the outside of the pipe. After the pipe is installed, fill the gap with joint mortar in accordance with **Standard Specification Section 9-04.3**.
3. The maximum depth from the finished grade to the lowest pipe invert shall be 5' (ft).
4. The frame and grate may be installed with the flange down, or integrally cast into the adjustment section with flange up.
5. The Precast Base Section may have a rounded floor, and the walls may be sloped at a rate of 1 : 24 or steeper.
6. The opening shall be measured at the top of the **Precast Base Section**.
7. All pickup holes shall be grouted full after the basin has been placed.



PRECAST BASE SECTION



(SEE NOTE 1)

ALTERNATIVE PRECAST BASE SECTION

JULIE HEILMAN — STATE OF WASHINGTON — 21870 — REGISTERED PROFESSIONAL ENGINEER

Julie Heilman 2020.09.01 07:52:50 -07'00'

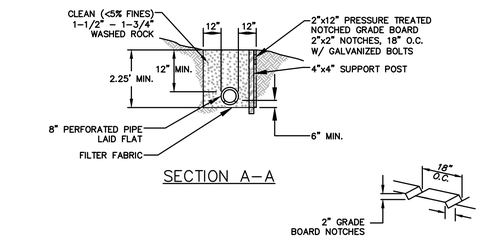
CATCH BASIN TYPE 1

STANDARD PLAN B-5.20-03

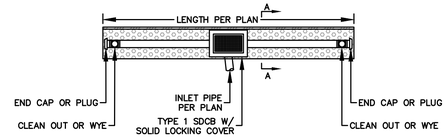
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Roark, Steve — Digitally signed by Roark, Steve Date: 2020.09.09 09:45:23 -07'00'
STATE DESIGN ENGINEER
Washington State Department of Transportation

B CATCH BASIN
nts



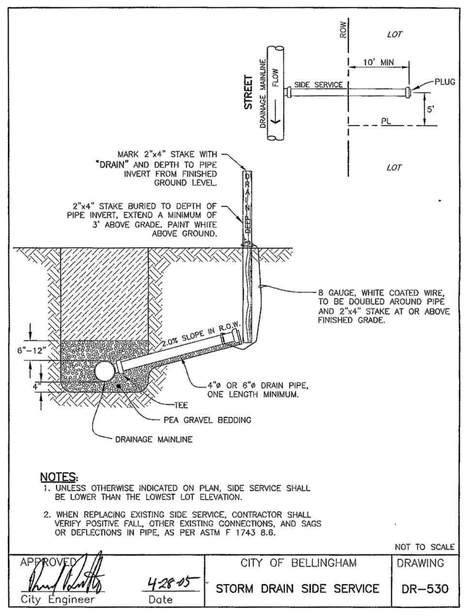
SECTION A-A



PLAN

NOTE:
1. TRENCH AND GRADE BOARD MUST BE LEVEL. ALIGN TO FOLLOW CONTOURS OF SITE.
2. TRENCH SHALL BE CONSTRUCTED SO AS TO PREVENT POINT DISCHARGE AND/OR EROSION.
3. SUPPORT POST SPACING AS REQUIRED BY SOIL CONDITIONS TO ENSURE GRADE BOARD REMAINS LEVEL.

C FLOW DISPERSAL TRENCH
nts



NOTES:
1. UNLESS OTHERWISE INDICATED ON PLAN, SIDE SERVICE SHALL BE LOWER THAN THE LOWEST LOT ELEVATION.
2. WHEN REPLACING EXISTING SIDE SERVICE, CONTRACTOR SHALL VERIFY POSITIVE FALL, OTHER EXISTING CONNECTIONS, AND SAGS OR DEFLECTIONS IN PIPE, AS PER ASTM F 1743 8.6.

NOT TO SCALE

APPROVED		CITY OF BELLINGHAM	DRAWING
City Engineer	4-28-15 Date	STORM DRAIN SIDE SERVICE	DR-530

D STORM DRAIN SIDE SERVICE
nts

2500 Elm Street, Suite 1
Bellingham, WA 98225
t: 360.650.1408
f: 360.650.1401
FREELAND & ASSOCIATES

BY:	DESCRIPTION:	DATE:	REV:

CLIENT:
GREENBRIAR CONSTRUCTION
2200 DIVISION STREET
SUITE E BELLINGHAM, WA 98226

CALL BEFORE YOU DIG FOR BURIED UTILITY LOCATIONS 1-800-424-5555

PROJECT LOCATION:
PFC2024-0003 - 41st ST 650' N/O WILDWOOD
813 41ST STREET
BELLINGHAM, WA 98225

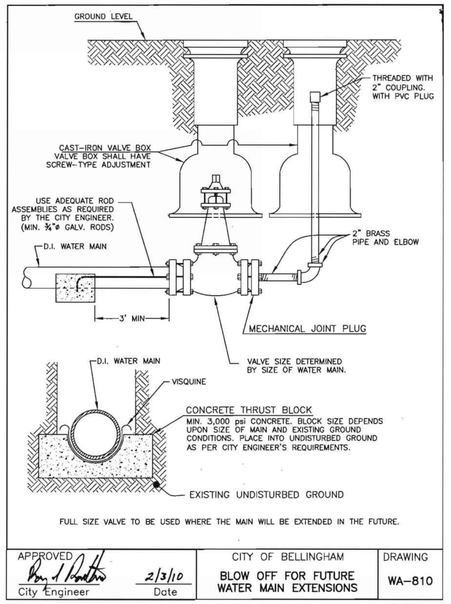
DRAWING #: 22144SP3.DWG
DRAWN BY: JDP
CHECKED BY: NSP
DESIGNED BY: NSP

SHEET CONTENTS:
STORMWATER DETAILS

NICHOLAS SLADEK PALMER — STATE OF WASHINGTON — 56442 — REGISTERED PROFESSIONAL ENGINEER — 4/2/2025

JOB #: 22144
DATE: 04-02-2025
SHEET: **PFC7**

PFC2023-0003



APPROVED	CITY OF BELLINGHAM	DRAWING
City Engineer 2/3/10 Date	BLOW OFF FOR FUTURE WATER MAIN EXTENSIONS	WA–810

A WATER BLOWOFF
nts

BEDDING SPECIFICATIONS FOR DUCTILE IRON PIPE

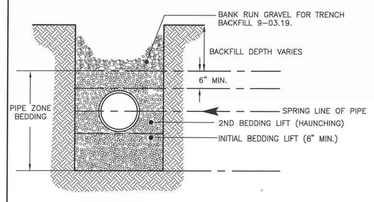
THE FOLLOWING SUPPLEMENTAL SPECIFICATIONS ARE TO BE USED IN CONJUNCTION WITH THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, CURRENT EDITION:

BEDDING FOR WATERMAINS FOR DUCTILE IRON PIPE–

BEDDING MATERIAL FOR DUCTILE IRON PIPE SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS.

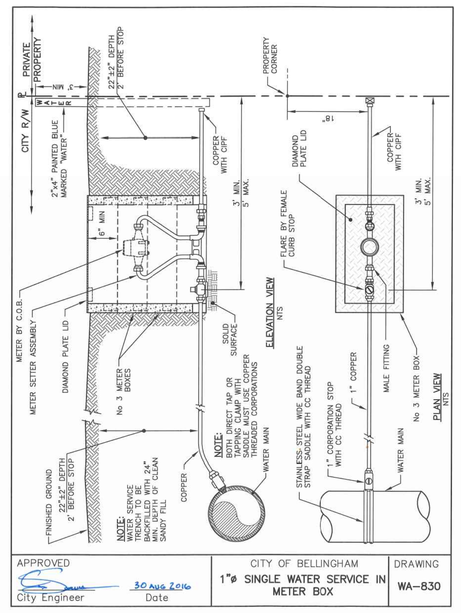
PIPE ZONE BEDDING – BEDDING SHALL BE A CLEAN GRANULAR MATERIAL FREE FROM ORGANIC MATTER AND CONFORMING TO THE STANDARD SPECIFICATION: 9-03.12(3), GRAVEL BACKFILL FOR PIPE ZONE BEDDING.

BACKFILL – WHEREVER A TRENCH IS EXCAVATED IN THE EXISTING OR PROPOSED ROADWAY, SIDEWALK OR OTHER AREAS WHERE SETTLEMENT WOULD BE DETRIMENTAL, THE ENTIRE TRENCH SHALL BE BACKFILLED WITH IMPORTED GRAVEL AND COMPACTED TO 95% OF MAXIMUM DENSITY.



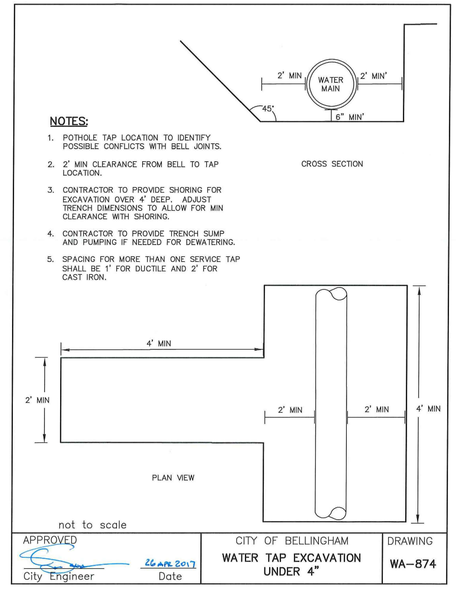
APPROVED	CITY OF BELLINGHAM	DRAWING
City Engineer 12 SEPT 2016 Date	WATER PIPE BEDDING DETAILS	WA–820

B WATER PIPE BEDDING
nts



APPROVED	CITY OF BELLINGHAM	DRAWING
City Engineer 30 AUG 2016 Date	1"ø SINGLE WATER SERVICE IN METER BOX	WA–830

C SINGLE WATER SERVICE METER
nts



APPROVED	CITY OF BELLINGHAM	DRAWING
City Engineer 26 APR 2017 Date	WATER TAP EXCAVATION UNDER 4"	WA–874

D WATER MAIN CONNECTION
nts

2500 Elm Street, Suite 1
Bellingham, WA 98225
t: 360.650.1408
f: 360.650.1401
FREELAND & ASSOCIATES

BY:	DESCRIPTION:	REV: DATE:

CLIENT:
GREENBRIAR CONSTRUCTION
2200 DIVISION STREET
SUITE E BELLINGHAM, WA 98226

CALL BEFORE YOU DIG
FOR BURIED UTILITY LOCATIONS
1-800-424-5555

PROJECT LOCATION:
PFC2024-0003 - 41st ST 650' N/O WILDWOOD
813 41ST STREET
BELLINGHAM, WA 98225

DRAWING #: 22144SP3.DWG
DRAWN BY: JDP
DESIGNED BY: NSP
CHECKED BY: NSP

SHEET CONTENTS:
WATER DETAILS

NICHOLAS SLADEK PALEN
STATE OF WASHINGTON
56448
REGISTERED PROFESSIONAL ENGINEER
4/2/2025

JOB #: 22144
DATE: 04–02–2025
SHEET: PFC8

PFC2023-0003

THE FOLLOWING SUPPLEMENTAL SPECIFICATIONS ARE TO BE USED IN CONJUNCTION WITH THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, CURRENT EDITION:

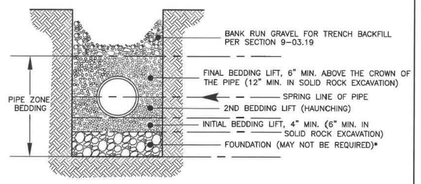
BEDDING FOR SEWERS, DRAINS AND CULVERTS FOR THERMOPLASTIC PIPE–

BEDDING MATERIAL FOR THERMOPLASTIC PIPE SHALL BE PEA GRAVEL CONFORMING TO THE FOLLOWING SPECIFICATIONS.

PEA GRAVEL – PEA GRAVEL BEDDING SHALL BE A CLEAN MIXTURE FREE FROM ORGANIC MATTER AND CONFORMING TO THE FOLLOWING GRADATION WHEN TESTED IN ACCORDANCE WITH ASTM D422:

SIEVE SIZE	PERCENT FINER
1/2	100
3/8	95
#4	10–20
#10	0–5
#200	0–2

BACKFILL – ALL TRENCHES IN THE RIGHT–OF–WAY, UNDER PAVEMENT, OR OTHER AREAS WHERE SETTLEMENT WILL BE DETRIMENTAL SHALL BE BACKFILLED WITH IMPORTED TRENCH BACKFILL PER WSDOT STANDARD SPECIFICATION SECTION 9–03.19 AND COMPACTED TO 95% DENSITY AS SPECIFIED IN SECTION 2–03.3(14)D. TRENCHES IN UNIMPROVED ROW MAY BE BACKFILLED WITH NATIVE MATERIAL WHEN APPROVED BY THE CITY ENGINEER.

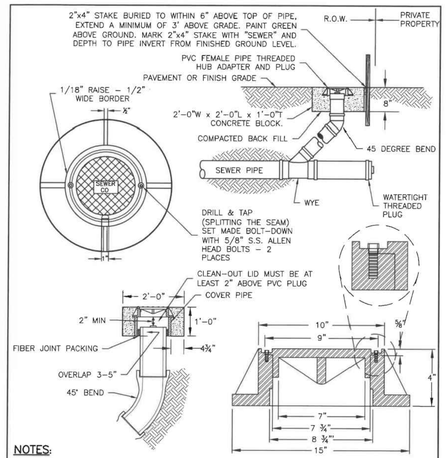


*UNSUITABLE FOUNDATION MATERIAL SHALL BE REMOVED AND REPLACED WITH GRAVEL BACKFILL FOR FOUNDATIONS, CLASS B PER WSDOT STANDARD SPECIFICATIONS SECTIONS 7–08.3(1)A AND 9–03.12(1)B.

NOT TO SCALE

APPROVED	CITY OF BELLINGHAM	DRAWING
City Engineer — Date: 22 may 2023	THERMOPLASTIC PIPE TRENCH SECTION DETAIL	SS–750

Ⓐ PVC PIPE BEDDING
nts



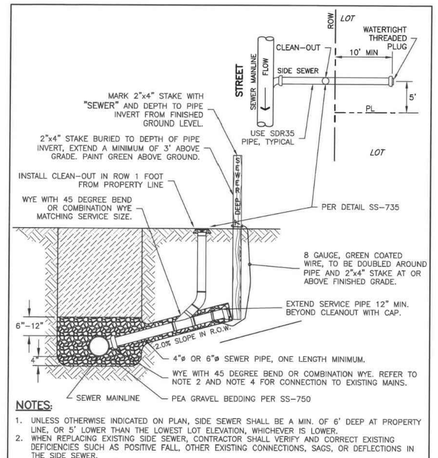
NOTES:

1. FOR 8" AND LARGER SEWER MAINS THE VERTICAL PORTION OF THE MAIN IS TO BE REDUCED TO 6" BETWEEN THE WYE AND CAST IRON RING AND COVER.
2. IF CLEANOUT IS LOCATED IN ASPHALT, THE CONCRETE BLOCK IS TO BE LEFT APPROXIMATELY 1–1/2" LOW TO ALLOW FOR AN ASPHALT TOPPING OF LIKE MIXTURE AS THE SURROUNDING AREA. IN ALL CASES THE CONCRETE BLOCK WILL BE 12" THICK.

NOT TO SCALE

APPROVED	CITY OF BELLINGHAM	DRAWING
City Engineer — Date: 22 may 2023	SEWER MAIN AND SIDE SEWER CLEANOUT	SS–735

Ⓑ SEWER CLEANOUT
nts



NOTES:

1. UNLESS OTHERWISE INDICATED ON PLAN, SIDE SEWER SHALL BE A MIN. OF 6' DEEP AT PROPERTY LINE, OR 5' LOWER THAN THE LOWEST LOT ELEVATION, WHICHEVER IS LOWER.
2. WHEN REPLACING EXISTING SIDE SEWER, CONTRACTOR SHALL VERIFY AND CORRECT EXISTING DEFICIENCIES SUCH AS POSITIVE FALL, OTHER EXISTING CONNECTIONS, SAGS, OR DEFLECTIONS IN THE SIDE SEWER.
3. INSTALL CLEANOUT AFTER 3 BENDS, AT MAX 100' INTERVALS, AT END OF LINE, AND WITHIN 2' OF HOUSE.
4. EXISTING PIPE CONNECTIONS SHALL BE CUT IN WYE. INSERTA TEE MAY BE USED ON 12" DIAMETER OR LARGER SEWER MAIN. NEW LATERAL CONNECTIONS TO EXISTING MAIN SHALL BE PER SS–740.
5. WYES OR TEES CONNECTED TO THE SEWER MAIN SHALL BE ROTATED TO A 2 OR 10 O'CLOCK ORIENTATION.

NOT TO SCALE

APPROVED	CITY OF BELLINGHAM	DRAWING
City Engineer — Date: 22 may 2023	SANITARY SIDE SEWER	SS–730

Ⓒ SANITARY SIDE SEWER
nts

2500 Elm Street, Suite 1
Bellingham, WA 98225
t: 360.650.1408
f: 360.650.1401
FREELAND & ASSOCIATES

REV:	DATE:	DESCRIPTION:	BY:

CLIENT:
GREENBRIAR CONSTRUCTION
2200 DIVISION STREET
SUITE E BELLINGHAM, WA 98226

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1–800–424–5555

PROJECT LOCATION:
PFC2024-0003 - 41st ST 650'
N/O WILDWOOD
813 41ST STREET
BELLINGHAM, WA 98225

DRAWING #: 22144SP3.DWG
DRAWN BY: JDP
CHECKED BY: NSP
DESIGNED BY: NSP

SHEET CONTENTS:
SEWER DETAILS

NICHOLAS SLADEK FALLEN
STATE OF WASHINGTON
56442
REGISTERED PROFESSIONAL ENGINEER
4/2/2025

JOB #: 22144
DATE: 04–02–2025

SHEET:
PFC9

PFC2023-0003