

DATE OF FIELD SURVEY: FIELD BOOK NO.: PLOT NAME: FILE/DATETIME: X-BEATS:

SEC 28, TWP 28 N, RGE 08 E, WM



Received by Email
03/31/2022

GENERAL NOTES

- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT CITY OF MUKILTEO DEVELOPMENT STANDARDS; THE CURRENT EDITION OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION; AND THE ADOPTED EDITION OF THE WASHINGTON STATE DEPARTMENT OF ECOLOGY STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON.
- ALL WORK WITHIN THE PLAT AND CITY RIGHT-OF-WAY SHALL BE SUBJECT TO THE INSPECTION OF THE CITY.
- 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
- 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 THEODORE TREPANIER 425-259-5556.
- PRIOR TO ANY SITE WORK, THE CONTRACTOR SHALL CONTACT THE CITY OF MUKILTEO COMMUNITY DEVELOPMENT DEPARTMENT AT 425-263-8000 TO SCHEDULE A PRECONSTRUCTION CONFERENCE.
- ENGINEERED AS-BUILT DRAWINGS IN ACCORDANCE WITH THE CURRENT ADOPTED INTERNATIONAL BUILDING CODE SHALL BE REQUIRED PRIOR TO FINAL SITE APPROVAL.
- 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:
PHONE:
MOBILE:
24-HOUR EMERGENCY CONTACT AND PHONE:
- THE CONSTRUCTION STORMWATER POLLUTION PREVENTION (SWPP) FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED SWPPP PLANS PRIOR TO ANY GRADING OR LAND CLEARING. THESE FACILITIES MUST BE SATISFACTORILY MAINTAINED UNTIL CONSTRUCTION AND LANDSCAPING IS COMPLETED AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED. SEDIMENT LADEN WATERS SHALL NOT ENTER THE NATURAL DRAINAGE SYSTEM.
- A CERTIFIED EROSION AND SEDIMENT CONTROL LEAD (CESCL) OR SWPPP SUPERVISOR SHALL BE RESPONSIBLE FOR MAINTAINING THE CONSTRUCTION SWPP FACILITIES, AS OUTLINED IN THE APPROVED SWPPP, OR AS MODIFIED FROM TIME TO TIME. CONTACT INFORMATION FOR THE CESCL (OR SWPPP SUPERVISOR) FOR THE PROJECT SHALL BE GIVEN TO THE CITY.
- NONCOMPLIANCE WITH THE REQUIREMENTS FOR EROSION CONTROLS, WATER QUALITY AND CLEARING LIMITS MAY RESULT IN REVOCATION OF PROJECT PERMITS, PLAN APPROVAL, AND BOND FORECLOSURES.
- TRENCH BACKFILL OF NEW UTILITIES AND STORM DRAINAGE FACILITIES SHALL BE COMPACTED TO 95% MAXIMUM DENSITY (MODIFIED PROCTOR) UNDER ROADWAYS AND 90% MAXIMUM DENSITY (MODIFIED PROCTOR) OFF ROADWAYS. COMPACTION SHALL BE PERFORMED IN ACCORDANCE WITH SECTIONS 7-08.3(3) AND 2-03.3(14) D OF THE WSDOT STANDARD SPECIFICATIONS.
- THE OWNER AND CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION. LOCATION OF UTILITIES SHOWN ON CONSTRUCTION PLANS ARE BASED ON BEST RECORDS AVAILABLE AND ARE SUBJECT TO VARIATION. FOR ASSISTANCE IN UTILITY LOCATION, CALL 811.
- PRIOR TO CONSTRUCTION THE OWNER AND/OR CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND THE PUBLIC WORKS DIRECTOR 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.
- THE CONTRACTOR SHALL KEEP TWO SETS OF PLANS ON SITE AT ALL TIMES FOR RECORDING AS-BUILT INFORMATION; ONE SET SHALL BE SUBMITTED TO THE PROJECT ENGINEER, AND ONE SET SHALL BE SUBMITTED TO THE CITY AT COMPLETION OF CONSTRUCTION AND PRIOR TO FINAL ACCEPTANCE OF WORK.
- 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.

CONSTRUCTION SEQUENCE

- ATTEND PRE-CONSTRUCTION CONFERENCE.
- INSTALL T.E.S.C. MEASURES.
- FLAG TREES TO BE REMOVED.
- CLEAR AND GRADE SITE AND CONSTRUCT BUILDING.
- INSTALL STORM DRAINAGE AND UTILITIES SYSTEM.
- REMOVE EROSION CONTROL MEASURES.

EROSION CONTROL:

- CONSTRUCTION ENTRANCE
- SILT FENCE
- HYDROSEED ALL EXPOSED AREAS

LIST OF BMP'S

- CONSTRUCTION ENTRANCE
- SILT FENCE
- INLET PROTECTION AT ALL INLET'S ADJACENT SITE
- HYDROSEEDING
- AMENDED SOILS

LEGEND:

AREA OF DISTURBANCE = 166,144 SQFT



IMPERVIOUS AREA BREAKDOWN:

PROPOSED MOBILE OFFICE = 300 SQFT
PROPOSED ASPHALT PARKING= 91,476 SQFT
DRIVEWAY= 5,227 SQFT
TOTAL= 17,152 SQFT

SOILS

ALDERWOOD GRAVELLY SANDY LOAM

EXISTING VEGETATION

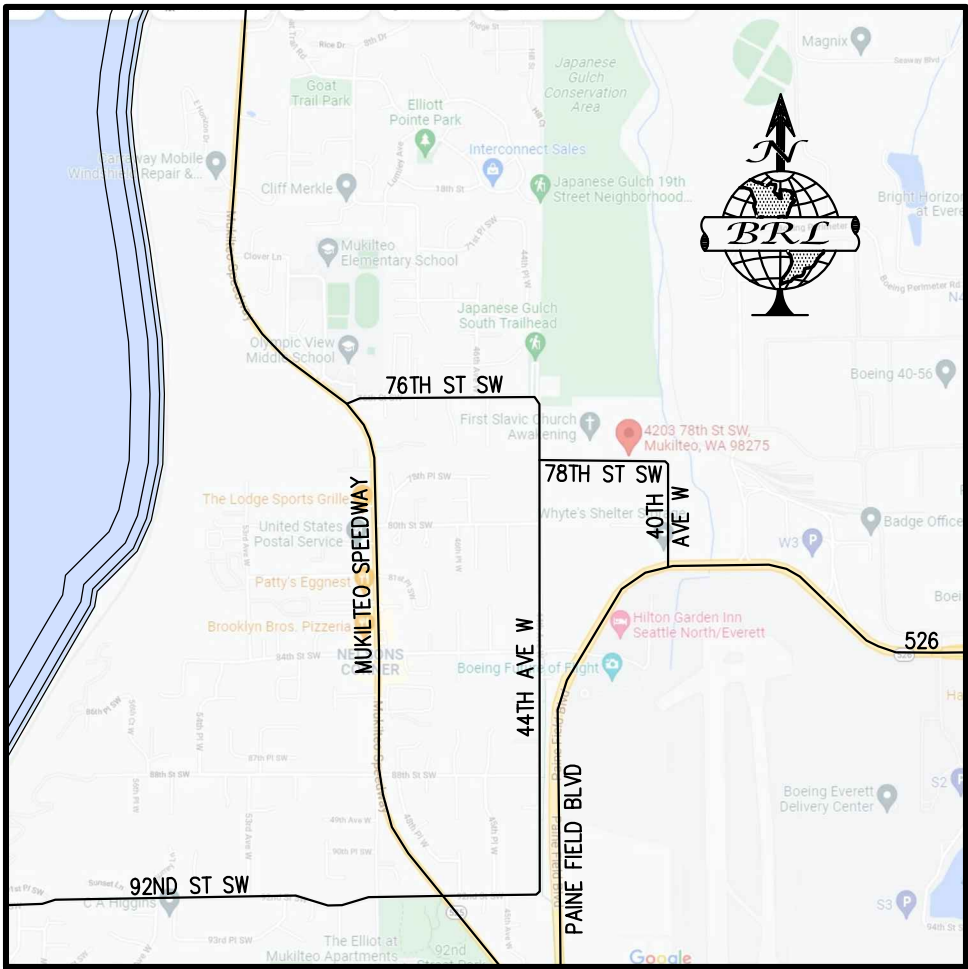
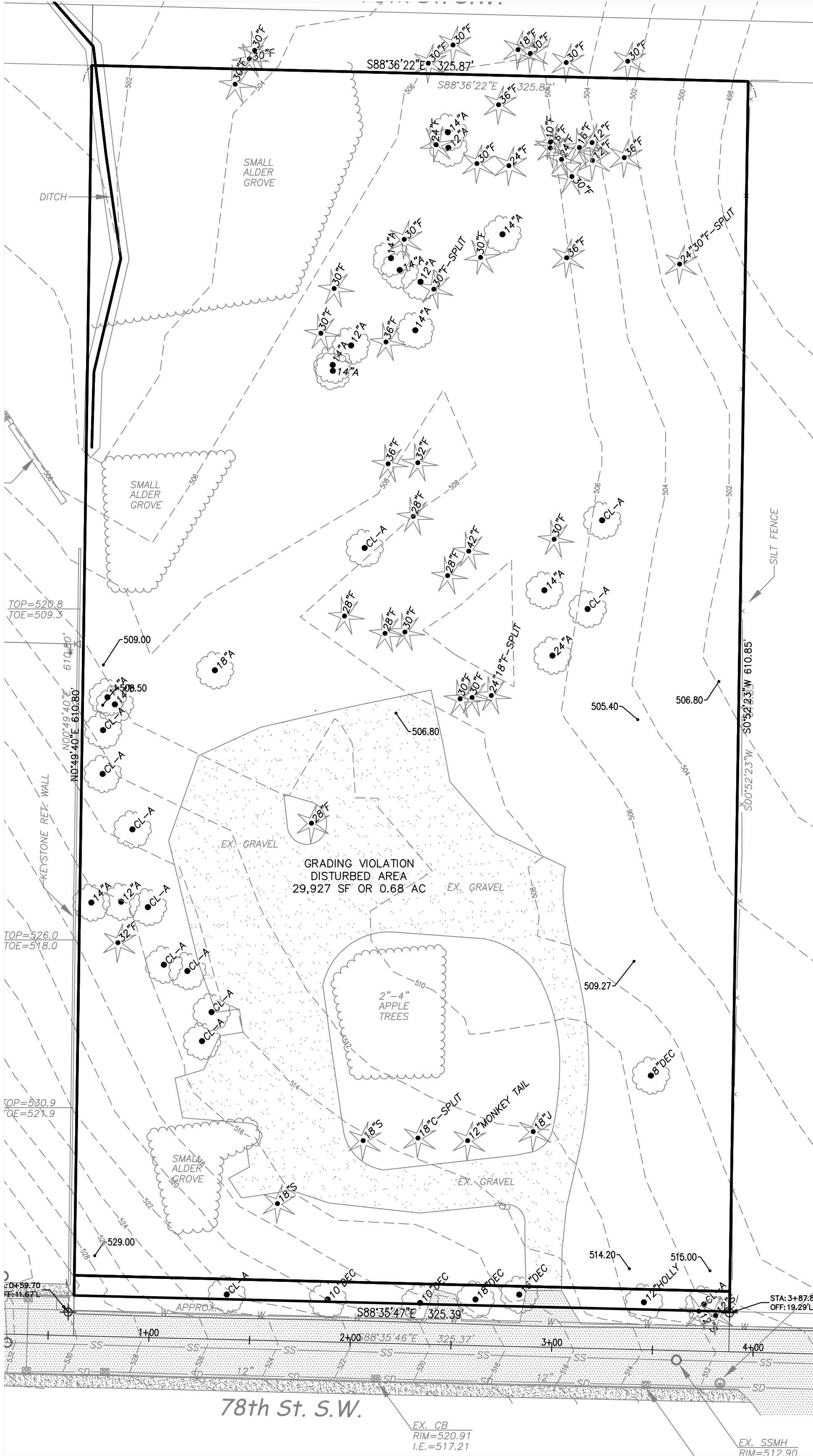
PASTURE AND NATIVE BRUSH

DEVELOPED VEGETATION

PASTURE, NATIVE BRUSH, WITH LAWN AND LANDSCAPING IN DEVELOPMENT AREA

EARTHWORK

CUT= 5,824 CYDS
FILL= 6,950 CYDS



VICINITY MAP
SCALE 1" = 2000'

OWNER/APPLICANT

JOHNNY RODRIGUEZ
10121 EVERGREEN WAY ST 25-515
EVERETT, WA 98204
(425) 737-2377
EMAIL: INFO@JIREHCONSTRUCTIONINC.COM

SITE ADDRESS

4203 78TH ST SW
MUKILTEO, WA 98275

SITE AREA

4.5 AC

ZONING

INDUSTRIAL

TAX ACCOUNT NUMBER

00611600009300

LEGAL DESCRIPTION

WEST & WHEELERS SEAVIEW FIVE AC TRS BLK 000 D-00 - LOT 93
LESS S 20FT FOR RD

CERTIFIED EROSION
CONTROL SPECIALIST

BRIAN LINDSAY
BRL SERVICES LLC
2221 EVERETT AVE, SUITE 203
EVERETT, WA 98201
425-259-5556

ENGINEER

TED TREPANIER
BRL SERVICES LLC
2221 EVERETT AVE, SUITE 203
EVERETT, WA 98201
425-259-5556

SHEET INDEX

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3-7-2022

REVISIONS:

LD	19-056
BR	
19-056	

BRL Services LLC

AN ENGINEERING COMPANY

2221 EVERETT AVE, SUITE 203, EVERETT, WA 98201
PHONE: 425-259-5556
E-MAIL: eric@bearthlink.net



COVERSHEET AND EXISTING CONDITIONS

RODRIGUEZ COMMERCIAL SITE

4203 78TH ST SW
MUKILTEO, WA 98275

SHEET:

1

REV:

OF:

6

DATE OF FIELD SURVEY: FIELD BOOK NO: PLOT NAME: FILE/DRAWING: X-REFS: 1"=40'

SEC 28, TWP 28 N, RGE 08 E, WM

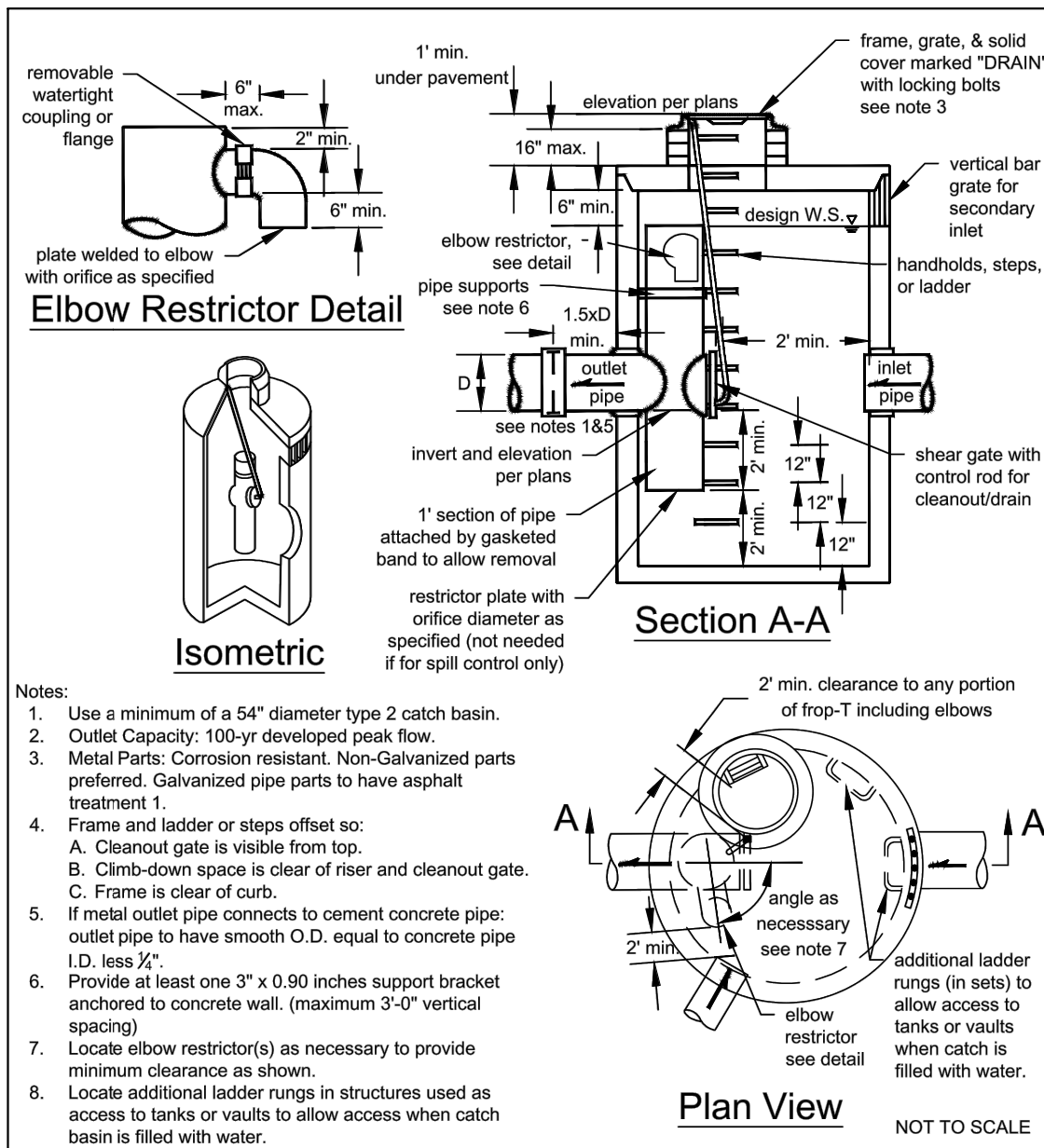
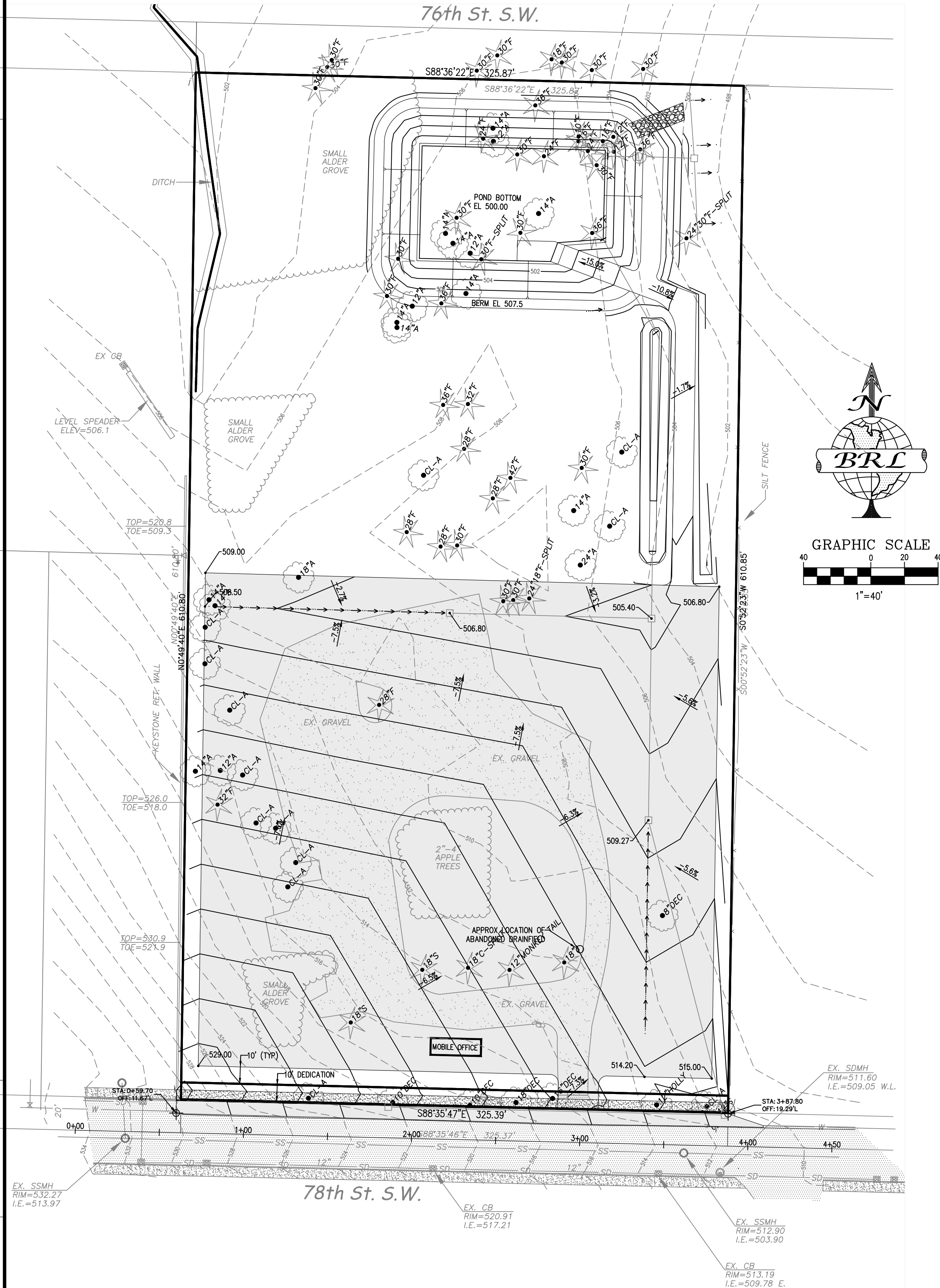


Figure III-3.2.9 Flow Restrictor (TEE) Revised December 2015 Please see <http://www.ecy.wa.gov/copyright.html> for copyright notice including permissions, limitation of liability, and disclaimer.

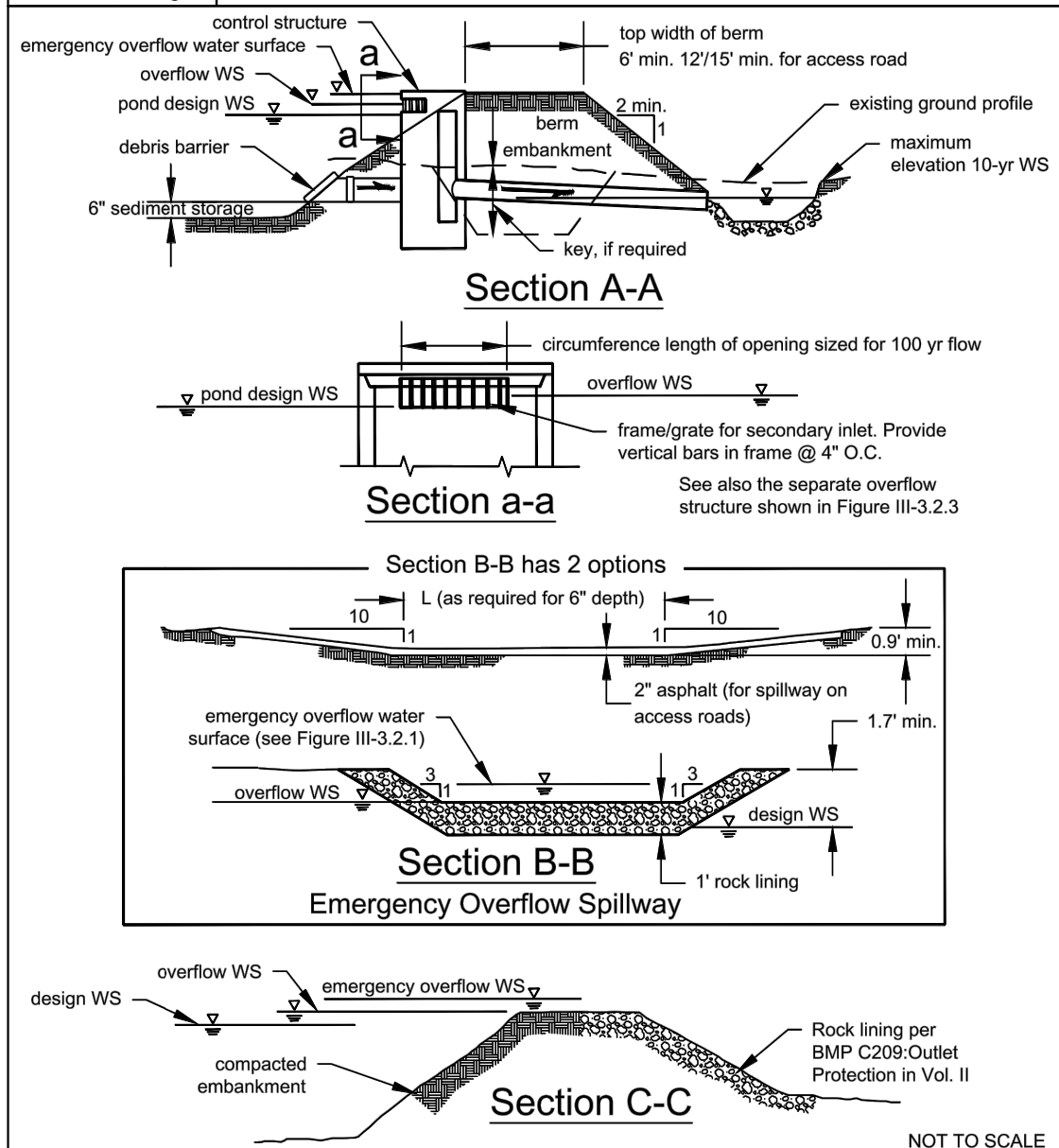


Figure III-3.2.2 Typical Detention Pond Sections Revised December 2015 Please see <http://www.ecy.wa.gov/copyright.html> for copyright notice including permissions, limitation of liability, and disclaimer.

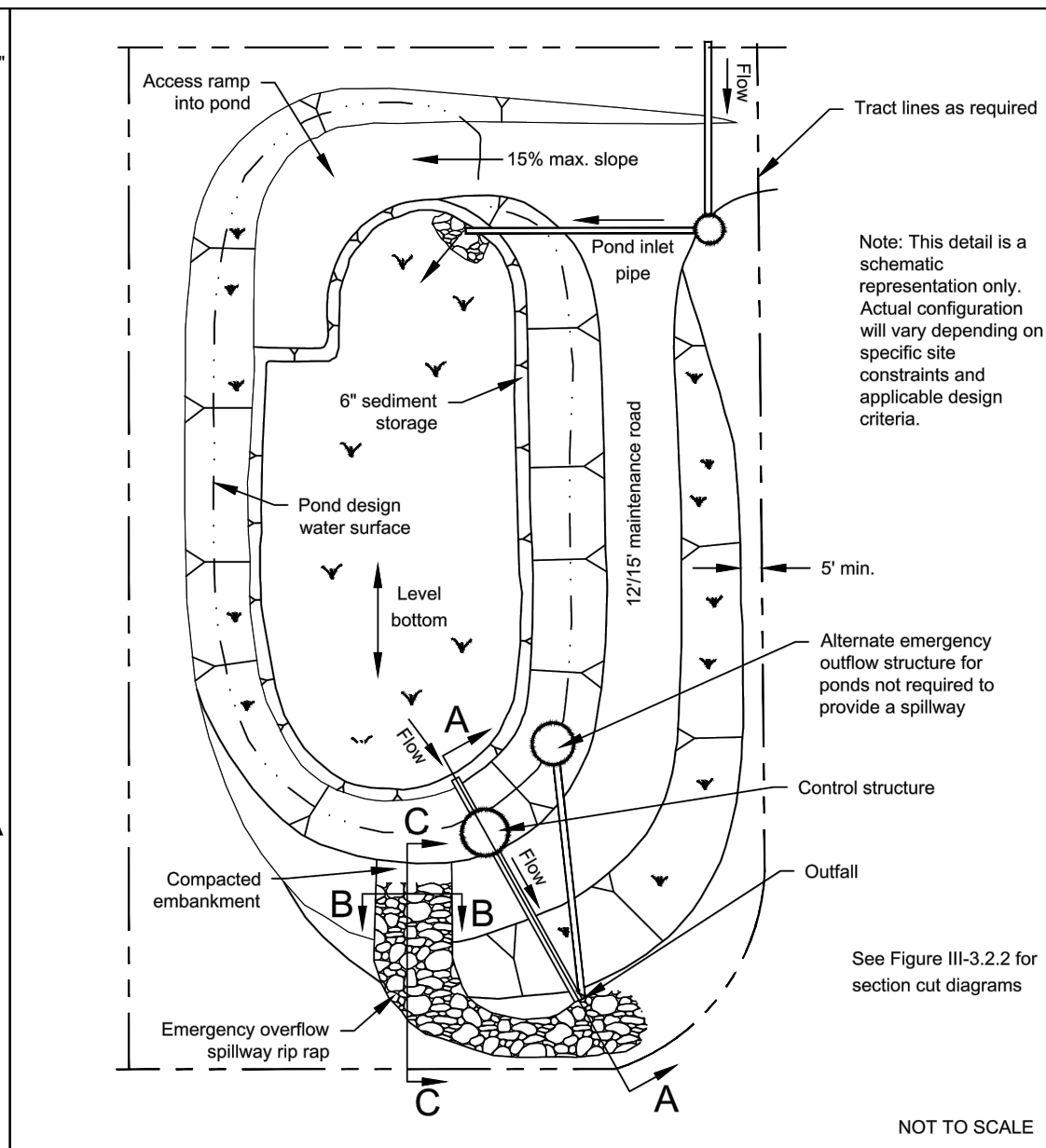


Figure III-3.2.1 Typical Detention Pond Revised December 2015 Please see <http://www.ecy.wa.gov/copyright.html> for copyright notice including permissions, limitation of liability, and disclaimer.

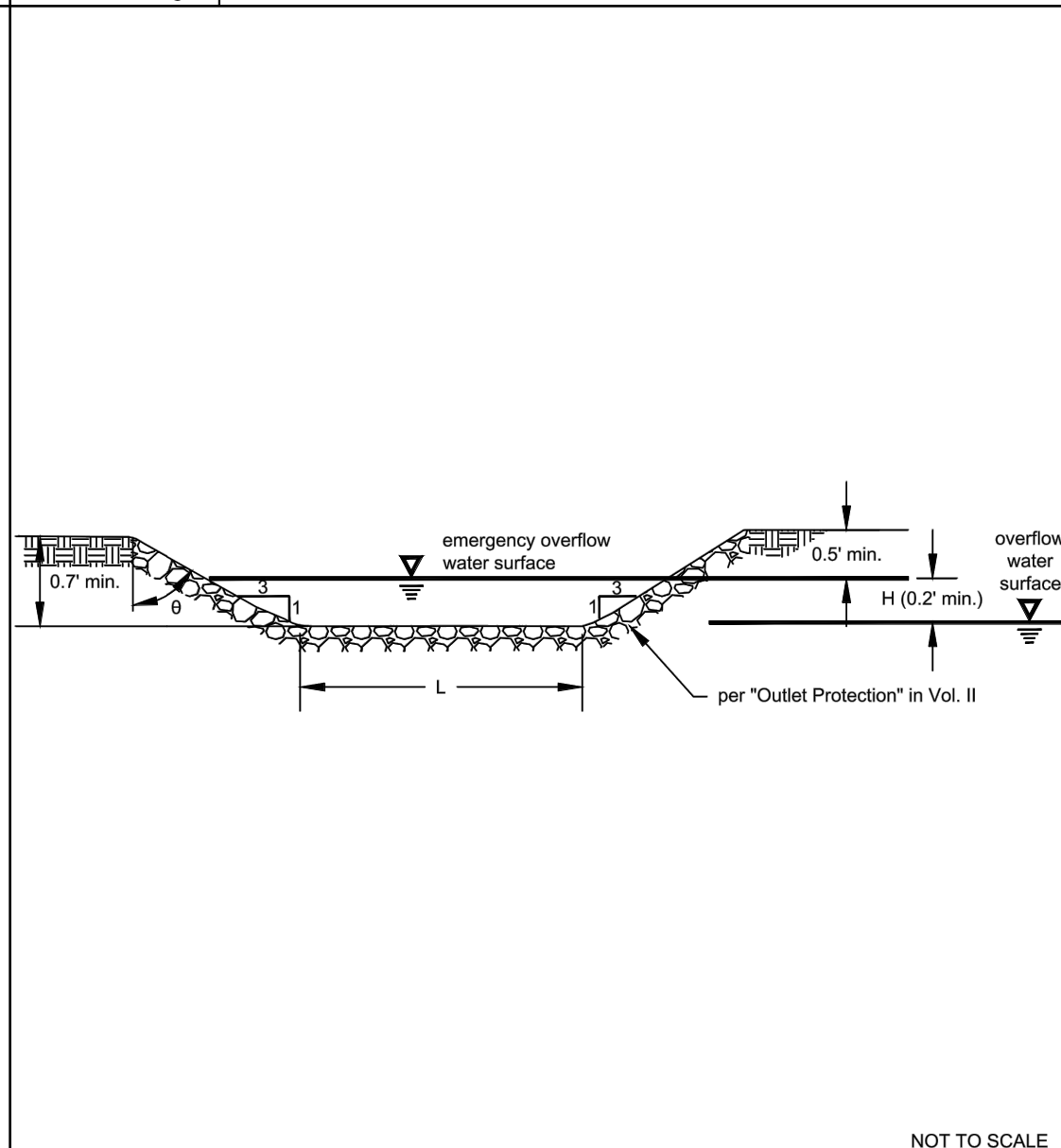


Figure III-3.2.5 Weir Section for Emergency Overflow Spillway Revised December 2015 Please see <http://www.ecy.wa.gov/copyright.html> for copyright notice including permissions, limitation of liability, and disclaimer.

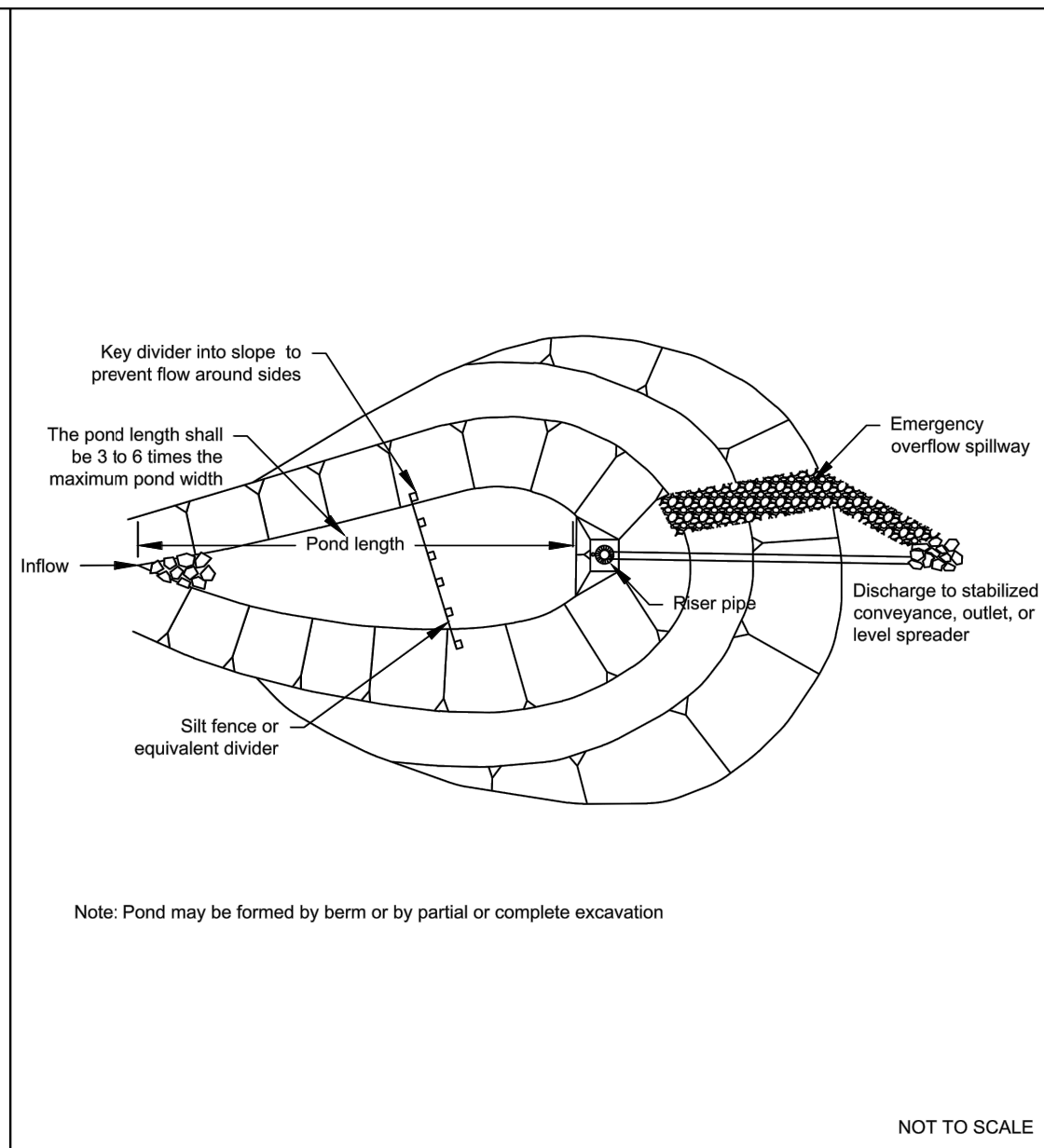


Figure II-4.2.18 Sediment Pond Plan View Revised November 2015 Please see <http://www.ecy.wa.gov/copyright.html> for copyright notice including permissions, limitation of liability, and disclaimer.

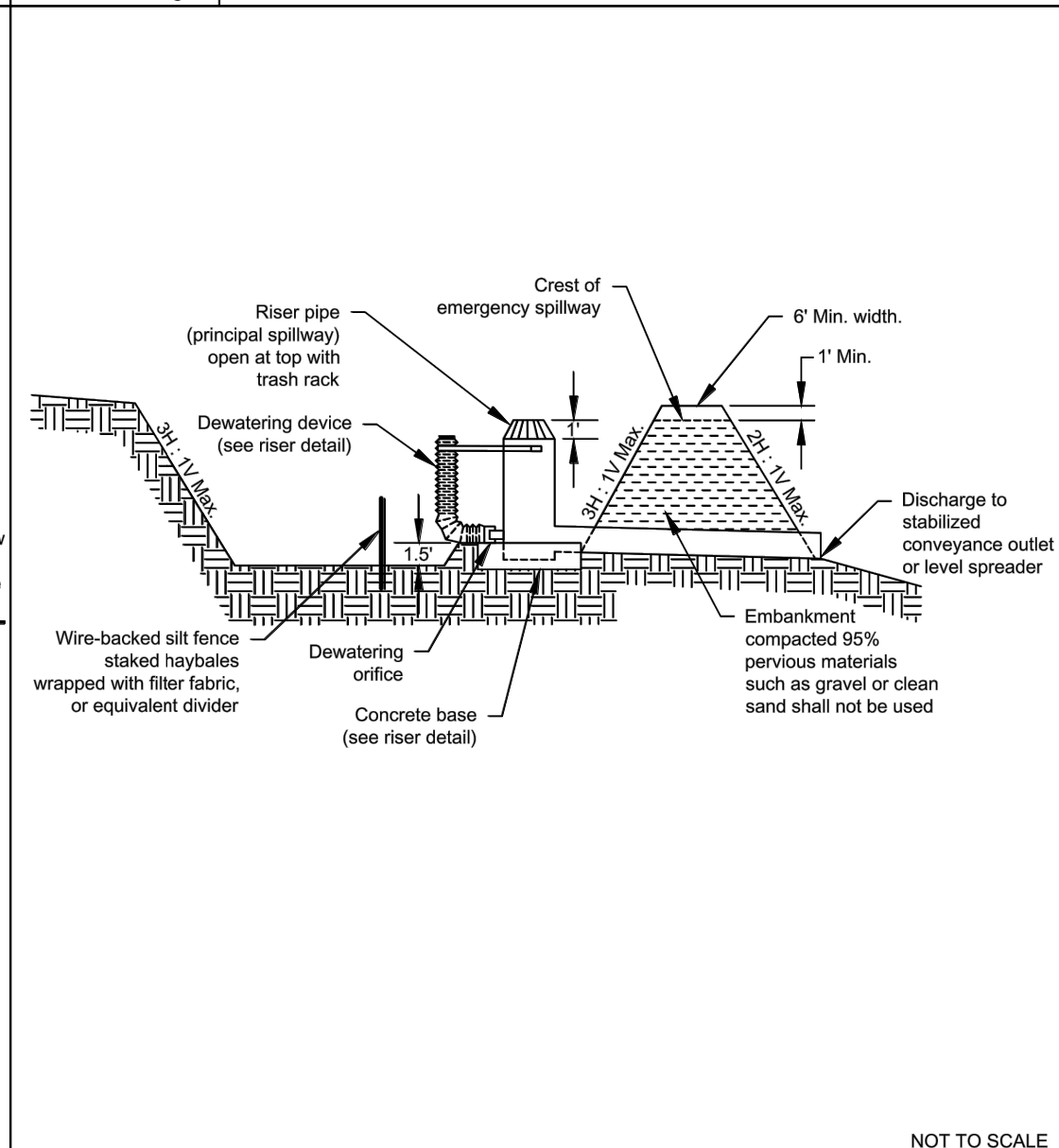


Figure II-4.2.19 Sediment Pond Cross Section Revised November 2015 Please see <http://www.ecy.wa.gov/copyright.html> for copyright notice including permissions, limitation of liability, and disclaimer.

SITE GRADING AND CONSTRUCTION SWPPP NOTES

- PRIOR TO ANY SITE WORK, 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
- SOILS IN MUKILTEO OFTEN CONTAIN FINER PARTICLES WHICH WILL PASS THROUGH SEDIMENT TRAPS UNTREATED AND HAVE EXTREMELY LONG SETTLING TIMES. THEREFORE, THE NEED TO CONTROL EROSION FROM THE SITE IS THE FIRST PRIORITY AND SHOULD BE EMPHASIZED.
- THE CONSTRUCTION STORMWATER POLLUTION PREVENTION FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED SWPPP PRIOR TO ANY GRADING OR EXTENSIVE LAND CLEARING. AN INSPECTION BY THE CITY OF THESE FACILITIES SHALL BE ARRANGED FOR BY THE CONTRACTOR PRIOR TO ANY GRADING. THESE FACILITIES MUST BE SATISFACTORILY MAINTAINED UNTIL CONSTRUCTION AND LANDSCAPING IS COMPLETED AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED.
- STOCKPILES ARE TO BE LOCATED IN SAFE AREAS AND ADEQUATELY PROTECTED BY TEMPORARY SEEDING AND MULCHING. HYDROSEEDING IS PREFERRED.
- THE DEVELOPER (OR 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 THEODORE TREPANIER 425-259-5556.
- IF THE PROJECT WILL DISTURB MORE THAN ONE (1) ACRE OF LAND, THEN A CONSTRUCTION NPDES PERMIT IS REQUIRED AND A CERTIFIED EROSION AND SEDIMENT CONTROL LEAD (CESCL) SHALL BE ASSIGNED TO THE SITE. THE CESCL'S NAME, PHONE NUMBER, AND CESCL CERTIFICATE NUMBER IS BRIAN LINDSAY 425-268-4393.
- ALL SITE WORK MUST BE PERFORMED IN ACCORDANCE WITH THE CURRENT CITY ADOPTED INTERNATIONAL BUILDING CODE.
- ALL EARTH WORK SHALL BE PERFORMED IN ACCORDANCE WITH CITY STANDARDS. A PRECONSTRUCTION SOILS INVESTIGATION MAY BE REQUIRED TO EVALUATE SOILS STABILITY.
- IF CUT AND FILL SLOPES EXCEED A MAXIMUM OF TWO FEET HORIZONTAL TO ONE FOOT VERTICAL, A ROCK OR CONCRETE RETAINING WALL MAY BE REQUIRED. ALL ROCK RETAINING WALLS GREATER THAN FOUR (4) FEET IN HEIGHT ARE TO BE DESIGNED AND CERTIFIED BY A PROFESSIONAL ENGINEER EXPERIENCED IN SOIL MECHANICS.
- THE SURFACE OF ALL SLOPES SHALL BE COMPACTED. THIS MAY BE ACCOMPLISHED BY OVER-BUILDING THE SLOPES, THEN CUTTING BACK TO FINAL GRADES; OR BY COMPACTING EACH LIFT AS THE SLOPE IS BEING CONSTRUCTED. ALL SLOPES SHALL BE COMPACTED BY THE END OF EACH WORKING DAY.
- ALL STRUCTURAL FILLS SHALL BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DENSITY IN THE UPPER 4 FEET & 90% MAXIMUM DENSITY BELOW 4 FEET AS DETERMINED BY MODIFIED PROCTOR.
- NONCOMPLIANCE WITH THE EROSION CONTROL REQUIREMENTS, WATER QUALITY REQUIREMENTS AND CLEARING LIMITS VIOLATIONS MAY RESULT IN REVOCATION OF PROJECT PERMITS AND PLAN APPROVAL AND BOND FORECLOSURES.
- UPON COMPLETION OF WORK, FINAL REPORTS MUST BE SUBMITTED TO THE CITY IN CONFORMANCE WITH THE CURRENT CITY ADOPTED INTERNATIONAL BUILDING CODE.
- A WET WEATHER EROSION CONTROL PLAN MUST BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL ON OR BEFORE SEPTEMBER 1, IF THE PROJECT IS PROPOSING TO ACTIVELY CLEAR, GRADE, OR OTHERWISE DISTURB 1,000 SQUARE FEET OR MORE OF SOIL DURING THE PERIOD BETWEEN OCTOBER 1 AND APRIL 30. OTHER THRESHOLDS FOR A WET WEATHER EROSION CONTROL PLAN INCLUDE PROJECTS THAT:
 - HAVE AREA(S) THAT DRAIN, BY PIPE, OPEN DITCH, SHEET FLOW, OR A COMBINATION OF THESE TO A TRIBUTARY WATER, AND THE TRIBUTARY WATER IS ONE-QUARTER MILE OR LESS DOWNSTREAM; OR
 - HAVE SLOPES STEEPER THAN 15 PERCENT ADJACENT OR ON-SITE; OR
 - HAVE HIGH POTENTIAL FOR SEDIMENT TRANSPORT, AS DETERMINED BY THE CONSTRUCTION SITE SEDIMENT TRANSPORT POTENTIAL WORKSHEET; OR
 - HAVE A CRITICAL AREA OR CRITICAL AREA BUFFER ON-SITE, OR WITHIN 50 FEET OF THE SITE; OR
 - HAVE HIGH GROUNDWATER TABLE OR SPRINGS.



3-7-2022

REVISIONS:

DATE	BY	DESCRIPTION
19-056	BRL	

ON-SITE GRADING PLAN

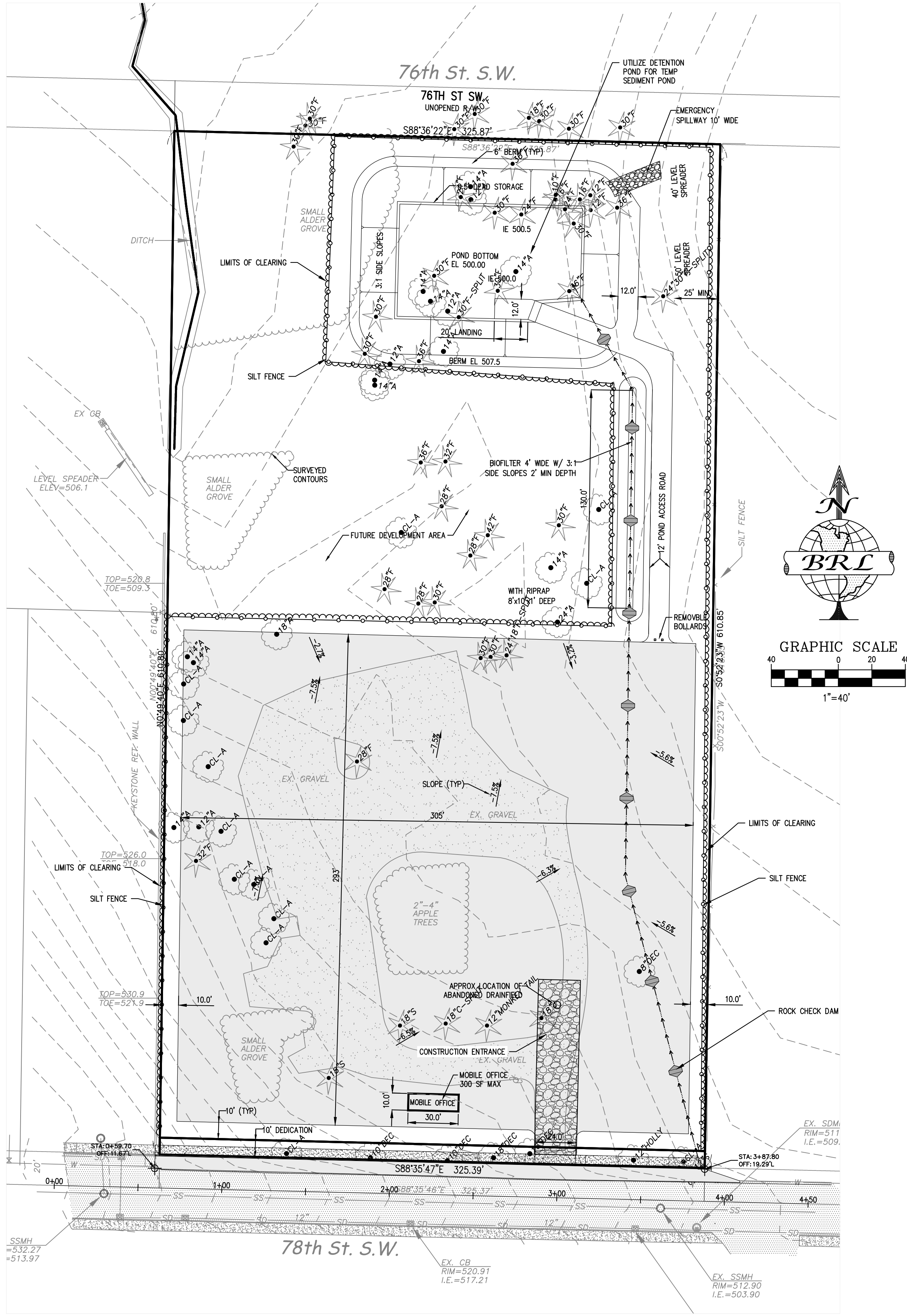
RODRIGUEZ COMMERCIAL SITE

4203 78TH ST SW
MUKILTEO, WA 98275

SHEET: 2

OF: 6

BRL Services LLC
AN ENGINEERING COMPANY
2221 EVERETT AVE., SUITE 203, EVERETT, WA 98201
E-MAIL: aristotides@earthlink.net



SEC 28, TWP 28 N, RGE 08 E, WM

ROCK CHECK DAM

SECTION A-A

NOTES:
1. THE DISTANCE SUCH THAT POINTS 'A' AND 'B' ARE OF EQUAL ELEVATION.
2. CONSTRUCT ROCK DAMS FROM ROCK LARGE ENOUGH TO STAY IN PLACE GIVEN EXPECTED FLOW. PLACE ROCK BY HAND OR MECHANICAL MEANS.

CITY OF MUKILTEO

REVISION DATE

11/18/2016

DATE

APPROVED FOR PUBLICATION

11/22/2016

DATE

ROCK CHECK DAMS

STANDARD PLAN NO.

EC-005

CITY OF MUKILTEO

REVISION DATE

11/18/2016

DATE

APPROVED FOR PUBLICATION

11/22/2016

DATE

CONSTRUCTION ENTRANCE

STANDARD PLAN NO.

EC-006

GEOTEXTILE FABRIC SILT FENCING WIRE REINFORCEMENT REQUIRED

NOTES:
1. SEE BMP C233 OF THE ECOLOGY MANUAL FOR FABRIC SPECIFICATIONS.
2. MAXIMUM SHEET OR OVERLAND FLOW PATH LENGTH = 100' TO FENCE.
3. NO FLOWS GREATER THAN 0.5 CFS.
4. PREFAB FENCE ALLOWED IF REINFORCED AND APPROVED BY CITY INSPECTOR.
5. JOINTS IN FILTER FABRIC SHALL BE OVERLAPPED 6" AT POST.
6. USE STAPLES, WIRE RINGS, OR EQUIVALENT TO ATTACH FABRIC TO FENCE.

SILT FENCE DETAIL

STANDARD PLAN NO.

EC-001

TEMPORARY SEEDING GENERAL NOTES

- USE SEEDING THROUGHOUT THE PROJECT ON DISTURBED AREAS THAT HAVE REACHED FINAL GRADE OR THAT WILL REMAIN UNWORKED FOR MORE THAN 30 DAYS.
- THE OPTIMUM SEEDING WINDOWS ARE APRIL 1 THROUGH JUNE 30 AND SEPTEMBER 1 THROUGH OCTOBER 1.
- BETWEEN OCTOBER 1 AND MARCH 30 SEEDING REQUIRES A COVER OF MULCH WITH STRAW OR AN EROSION CONTROL BLANKET UNTIL 75 PERCENT GRASS COVER IS ESTABLISHED.
- REVIEW ALL DISTURBED AREAS IN LATE AUGUST TO EARLY SEPTEMBER AND COMPLETE ALL SEEDING BY THE END OF SEPTEMBER.
 - MULCH IS REQUIRED AT ALL TIMES FOR SEEDING. MULCH CAN BE APPLIED ON TOP OF THE SEED OR SIMULTANEOUSLY BY HYDROSEEDING (SEE ECOLOGY BMP C121 MULCHING FOR SPECIFICATIONS).
 - SEED AND MULCH ALL DISTURBED AREAS NOT OTHERWISE VEGETATED AT FINAL SITE STABILIZATION.

SEDIMENT TRAP GENERAL NOTES

- SEDIMENT TRAPS ARE ONLY EFFECTIVE IN REMOVING SEDIMENT DOWN TO ABOUT THE MEDIUM SILT SIZE FRACTION. SOILS IN MUKILTEO OFTEN CONTAIN FINE SILT AND MAY NOT BE ADEQUATELY TREATED WITH SEDIMENT PONDS. THEREFORE, EROSION CONTROL PRACTICES SHOULD BE EMPHASIZED AND PRIORITIZED.
- THE POND SHALL BE CHECKED AFTER EACH RAIN EVENT, OR WEEKLY, WHICHEVER IS SOONER, TO INSURE THAT IT THE WALLS ARE STRUCTURALLY SOUND, THE POND HAS NOT BEEN DAMAGED BY EROSION OR CONSTRUCTION EQUIPMENT, AND TO DETERMINE MAINTENANCE NEEDS.
- ANY DAMAGE TO THE POND EMBANKMENTS OR SLOPES SHALL BE REPAIRED IMMEDIATELY.
- THE EMERGENCY SPILLWAY SHOULD BE CHECKED REGULARLY TO INSURE THAT THE LINING IS WELL ESTABLISHED AND EROSION RESISTANT. THE SILTATION BASIN SHOULD BE CHECKED FOR SEDIMENT CLEANOUT AFTER EACH RAINFALL WHICH PRODUCES RUNOFF.
- WHEN THE SEDIMENT REACHES THE CLEANOUT LEVEL (TYPICALLY 1-FOOT IN DEPTH), IT SHALL BE REMOVED AND PROPERLY DISPOSED OF OFF-SITE.
- SECONDARY TREATMENT MAY BE NECESSARY IF THE SEDIMENT POND CANNOT EFFECTIVELY REMOVE THE FINE GRAIN SOILS.

MAINTENANCE OF SILTRATION BARRIERS

- SILTATION BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED EROSION CONTROL ELEMENTS, ESPECIALLY END-RUNS AND SEDIMENT BUILD-UP. NECESSARY REPAIRS TO BARRIERS SHALL BE ACCOMPLISHED THE SAME DAY.
- SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. SEDIMENT DEPOSITS MUST BE REMOVED WHEN THE SEDIMENT LEVEL REACHES APPROXIMATELY ONE-HALF THE SILTATION BARRIER HEIGHT.
- ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE CHECK DAM IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

SEAL OF THE CITY OF MUKILTEO
16465
PROFESSIONAL
REGISTERED
SURVEYOR

3-7-2022

REVISIONS:

DRAWN BY: LDR

CHECKED BY: BRL

DATE: 19-056

TEMPORARY EROSION AND SEDIMENTATION CONTROL PLAN

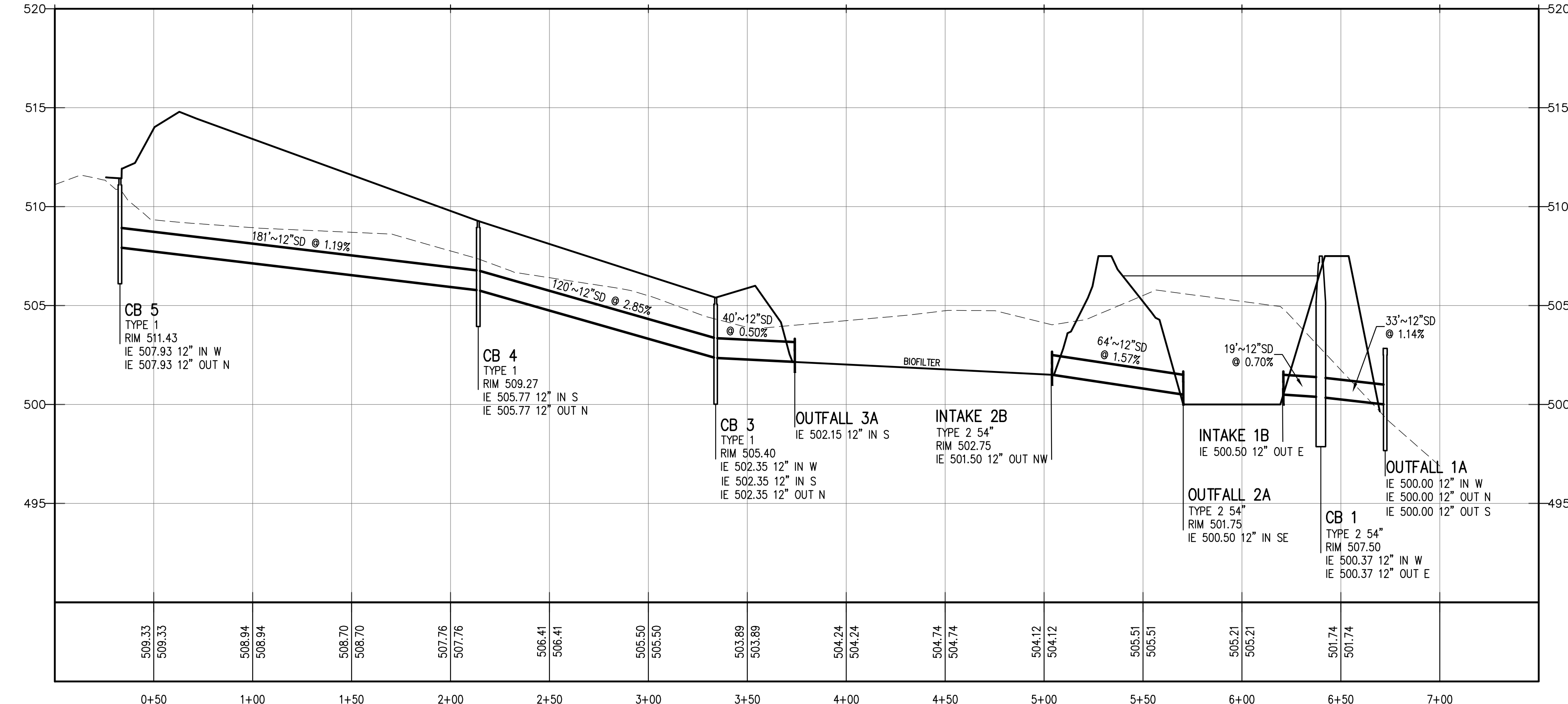
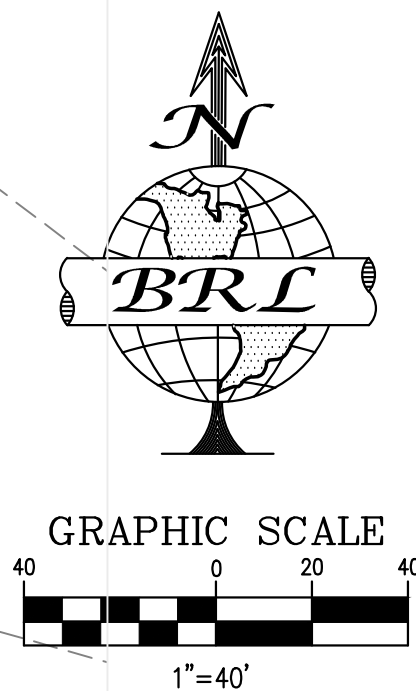
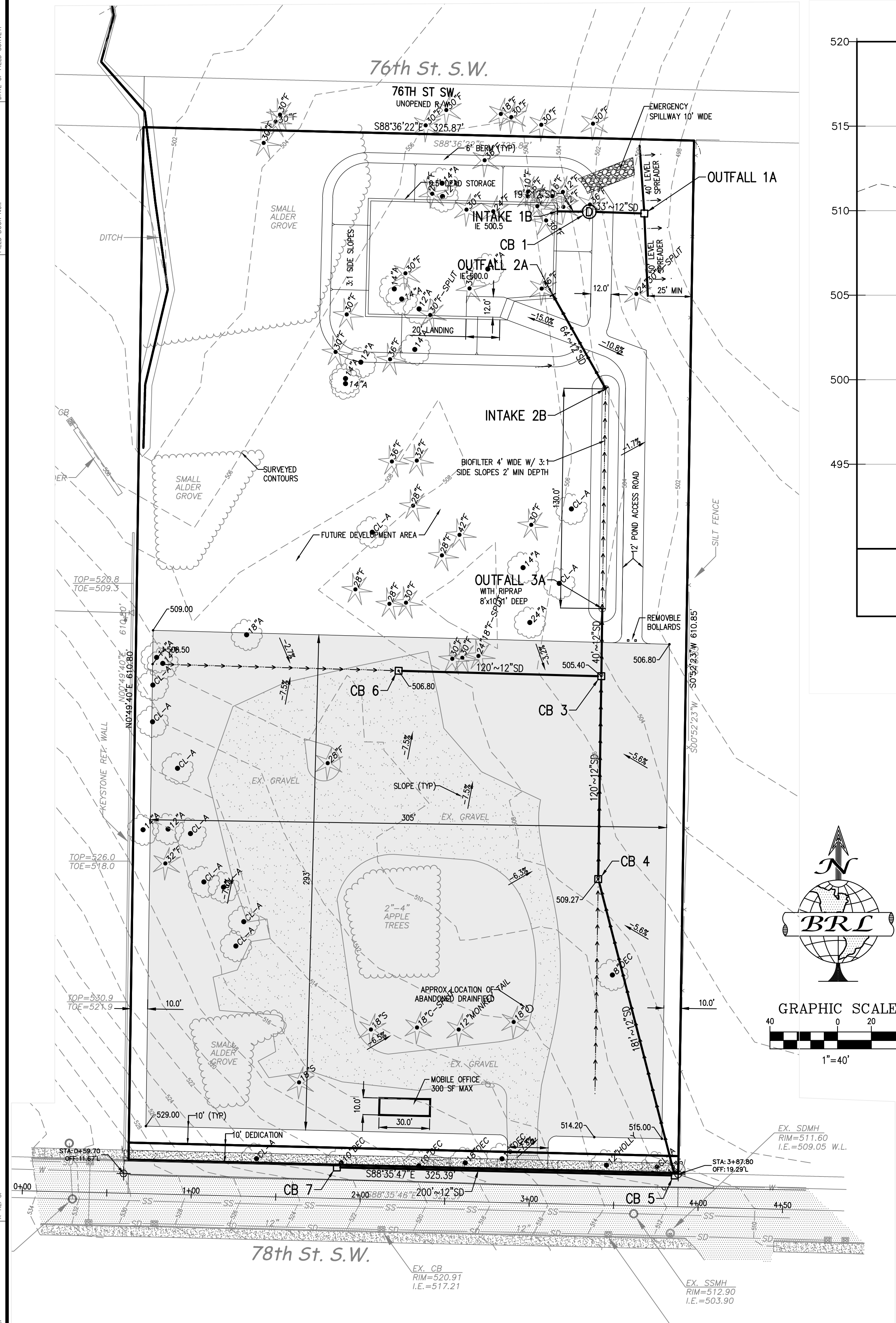
RODRIGUEZ COMMERCIAL SITE

4203 76TH ST SW
MUKILTEO ,WA 98275

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REV: 6

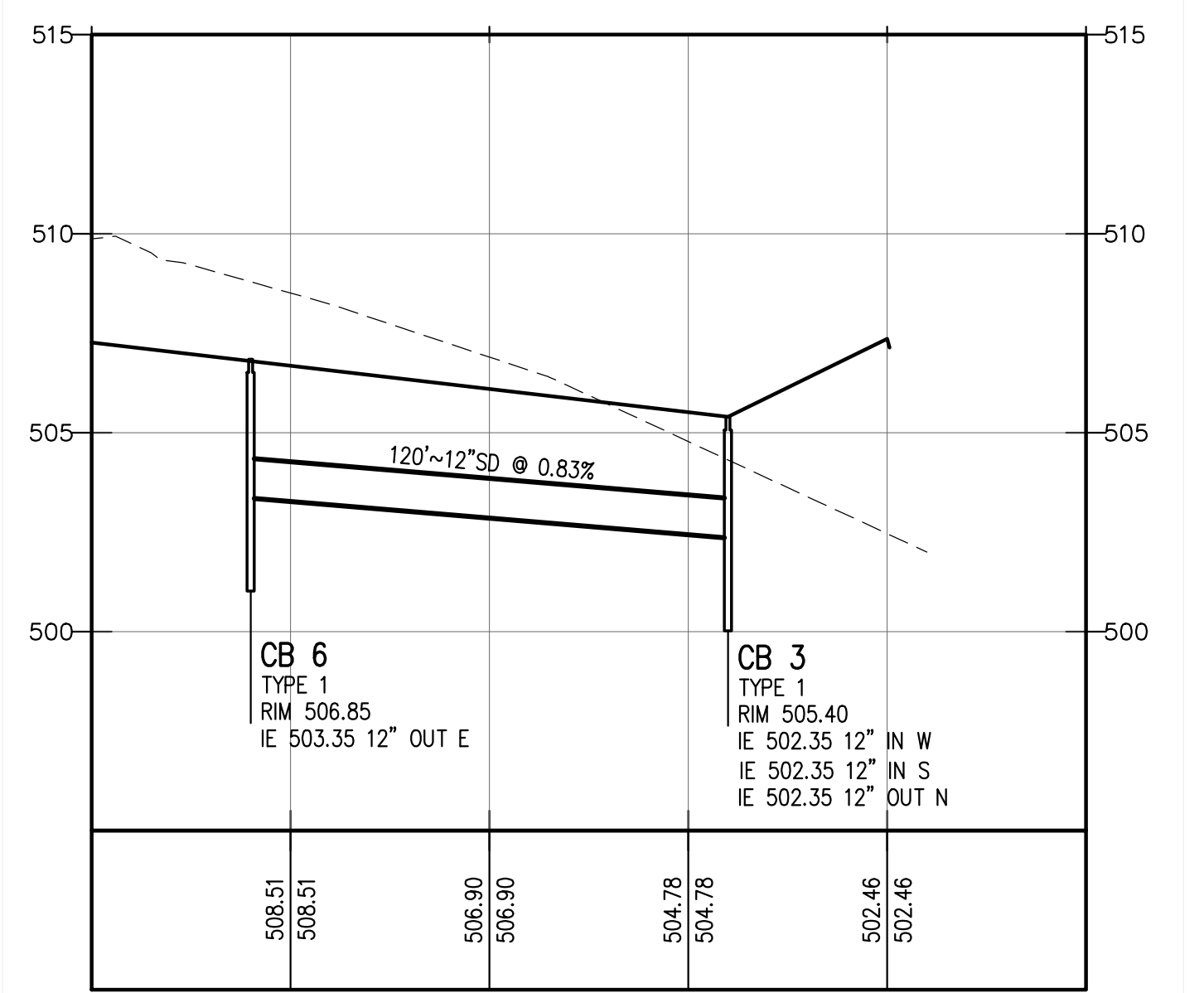
DATE OF FIELD SURVEY: FIELD BOOK NO.: FILE/DRAWING: PLOT NAME: X-BEATS: DATE/TIME/STAMP:



SD FROM 78TH TO POND OUTFALL PROFILE

STORM DRAINAGE GENERAL NOTES

1. ALL PIPE SHALL BE PLACED ACCORDING DIVISION 7 OF THE WSDOT STANDARD SPECIFICATIONS.
2. 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 7-08.3(3) THE WSDOT STANDARD SPECIFICATIONS.
3. ALL GRATES LOCATED IN THE GUTTER FLOW LINE (INLET AND CATCH BASIN) SHALL BE DEPRESSED 0.1 FEET BELOW PAVEMENT LEVEL.
4. ALL CATCH BASINS ARE TO BE TYPE I UNLESS OTHERWISE APPROVED BY THE CITY OR DESIGNATED REPRESENTATIVE. THE USE AND INSTALLATION OF INLETS IS NOT ALLOWED.
5. 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.
6. ALL CATCH BASINS WITH A DEPTH OF 5 FEET OR GREATER TO THE FLOW LINE SHALL BE TYPE II CATCH BASINS.
7. VANED GRATES ARE REQUIRED ON ALL STORM STRUCTURES. ALL CATCH BASINS AND MANHOLES SHALL HAVE LOCKING LIDS. ROLLED GRATES ARE NOT APPROVED FOR USE.
8. POLYPROPYLENE SAFETY STEPS AND LADDER STEPS SHALL BE PROVIDED IN ALL MANHOLES AND SHALL BE POSITIONED CORRECTLY WITH THE BOLT AREAS ON THE RIM.
9. CATCH BASIN FRAMES AND GRATES SHALL BE OLYMPIC FOUNDRY MODEL SM60, SM52, OR SM44. LOCKING TYPE OR EQUIVALENT. MODEL SM52 SHALL BE REFERRED TO AS A "THROUGH CURB INLET" ON THE PLANS.
10. DETENTION PONDS WITH SIDE SLOPES STEEPER THAN 3:1 OR WITH A MAXIMUM WATER DEPTH GREATER THAN 3 FEET SHALL REQUIRE A VINYL COATED CHAIN LINK PERIMETER FENCE. SIDE SLOPE AVERAGING SHALL NOT BE ALLOWED. ALL INLET AND OUTFALL PIPES SHALL HAVE A TRASH RACK INSTALLED AND A MORTARED RIPRAP HEADWALL.
11. 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 CONSTRUCTION PLANS SUBMITTED TO THE CITY.
12. STORM WATER RETENTION/DETENTION FACILITIES, STORM DRAINAGE PIPE AND CATCH BASINS SHALL BE FLUSHED AND CLEANED BY THE DEVELOPER PRIOR TO:
 - a. CITY OF MUKILTEO FINAL ACCEPTANCE OF THE PROJECT AND;
 - b. UPON COMMENCEMENT AND COMPLETION OF THE 2 YEAR WARRANTY PERIOD FOR THE STORM DRAINAGE SYSTEM. AN INVOICE DETAILING THE FLUSHING AND CLEANING SHALL BE PROVIDED TO THE CITY.
13. ALL PIPES SHALL BE INSTALLED WITH RUBBER GASKETS AS PER MANUFACTURER'S RECOMMENDATIONS.
14. CORRUGATED POLYETHYLENE PIPE (CPP):
 - a. ALL PIPE SHALL BE SMOOTH INTERIOR. CPP SHALL BE DOUBLE-WALLED. ALL PIPE SHALL MEET AASHTO AND ASTM 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 LOADED AND COMPACTED TO FINISH GRADE.
 - c. UPON REQUEST BY THE CITY INSPECTOR, PIPE SHALL BE SUBJECT TO MANDREL TESTING (MANDREL SIZE = 90% OF 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 THE PIPE AND/OR FUTURE RESTRICTION ON USE OF MATERIAL
 - 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 ALLOWED.
 - g. BACKFILL SHALL COMPLY WITH SECTION 7-08.3(3) OF THE WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION WITH THE EXCEPTION THAT THE SECOND PARAGRAPH OF SECTION 7-08.3(3) IS DELETED AND REPLACED WITH: THE MATERIAL USED FOR BACKFILLING AROUND AND TO A POINT 1 FOOT ABOVE THE TOP OF THE PIPE SHALL BE CLEAN EARTH OR SAND, FREE FROM CLAY. ANY GRAVEL OR STONES INCLUDED IN THE BACKFILL SHALL PASS THROUGH A 1 INCH SIEVE.
15. CULVERT ENDS SHALL BE BEVELED TO MATCH SIDE SLOPES. FIELD CUTTING OF CULVERT ENDS IS PERMITTED WHEN APPROVED BY THE CITY.
16. ALL FIELD CUT CULVERT PIPE SHALL BE TREATED AS REQUIRED IN THE STANDARD SPECIFICATIONS OR GENERAL SPECIAL PROVISIONS.



CB 6 TO CB 3 PROFILE

3-7-2022

REVISIONS:

DATE	BY	DESCRIPTION
19-056	BRL	

DRAWN BY: LDR

CHECKED BY: BRL

DATE: 19-056

BRL Services LLC

AN ENGINEERING COMPANY

2221 EVERETT AVE., SUITE 203, EVERETT, WA 98201

PHONE: (425) 336-8888

E-MAIL: ar@brlinc.com

ONSITE STORM DRAINAGE PLAN

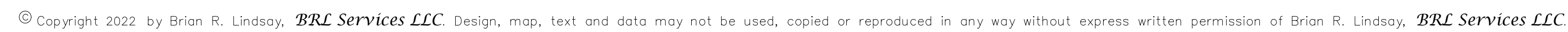
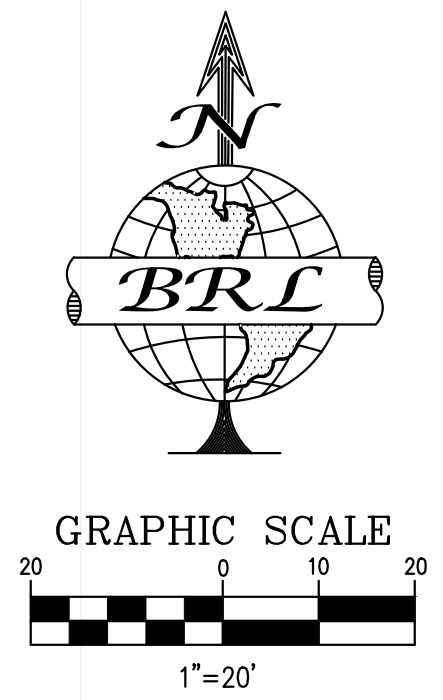
RODRIGUEZ COMMERCIAL SITE

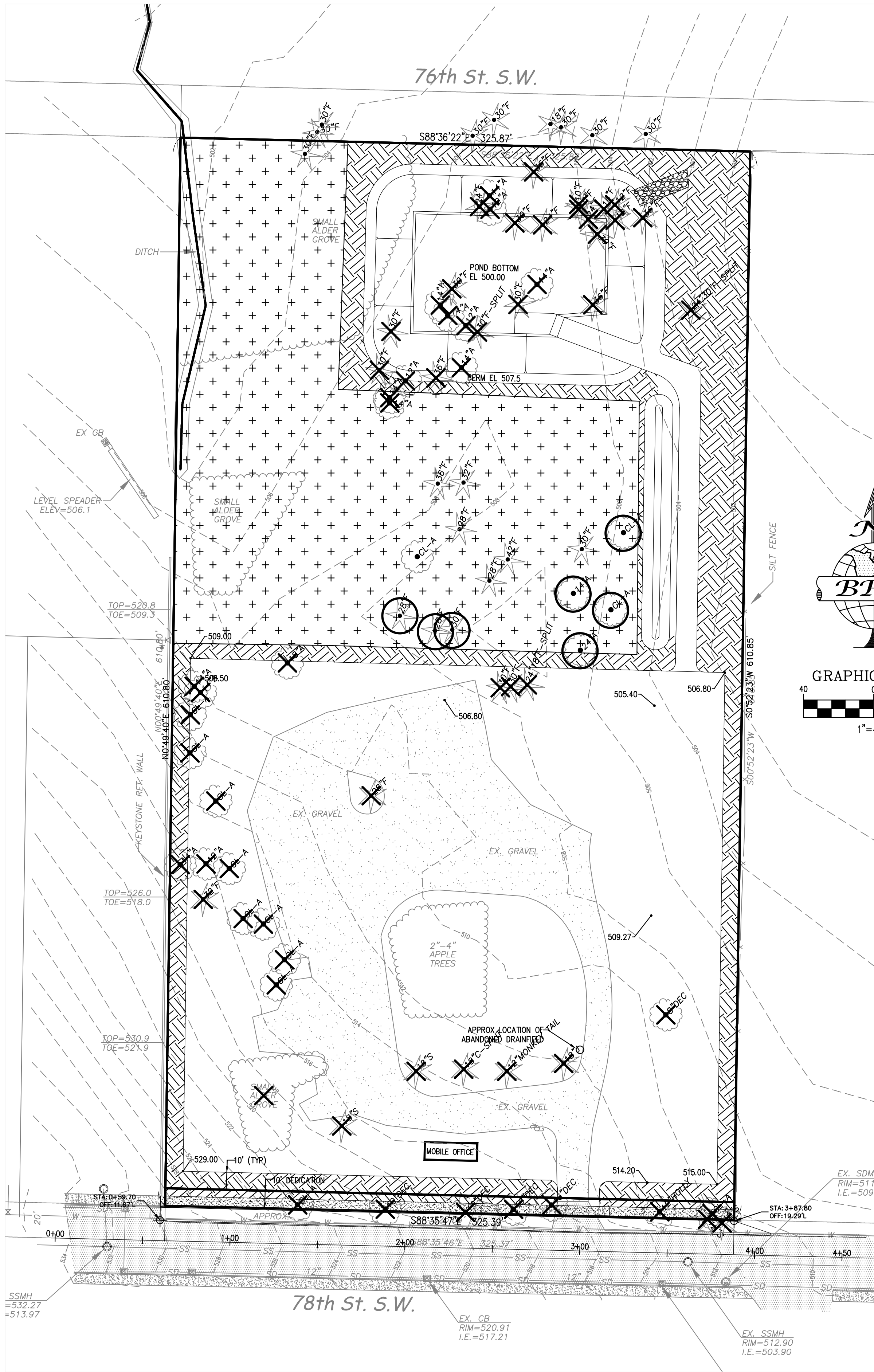
4203 78TH ST SW

MUKILTEO, WA 98275

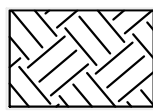
SHEET: **4**

OF: **6**



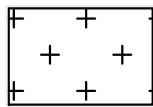


SOIL/MULCH LEGEND



NEW LANDSCAPE BED/ LAWN AND EROSION CONTROL (29,233 S.F. / 735 C.Y. TOPSOIL)
SUBGRADE: SUBGRADE TO BE SET A MINIMUM 8" BELOW FINISH GRADE.
SCARIFY SUBSOIL TO A DEPTH OF 12-18" AND ALL SPOILS (DEBRIS > 2"DIA) TO BE REMOVED BEFORE INSTALLATION OF TOPSOIL.

TOPSOIL: APPLY TOPSOIL TO A MINIMUM DEPTH OF 8", APPLIED IN TWO LIFTS OF 4" EACH. PLACE FIRST LIFT OF TOPSOIL TO A 4" DEPTH AND ROTOTILL INTO THE SUBGRADE TO A MINIMUM DEPTH OF 6" APPLY SECOND LIFT OF TOPSOIL TO MINIMUM DEPTH OF 4" AND ROTOTILL TO A MINIMUM DEPTH OF 6". APPLY ADDITIONAL TOPSOIL AS NEEDED TO PROVIDE A FINISH GRADE OF 1" BELOW ADJACENT CURBING OR SIDEWALK.



EXISTING SOIL TO REMAIN UNDISTURBED
NO MECHANICAL WORK TO OCCUR OR MATERIAL BE STORED WITHIN THE LIMITS OF THE TREE PROTECTION FENCING

EXISTING TREE LEGEND

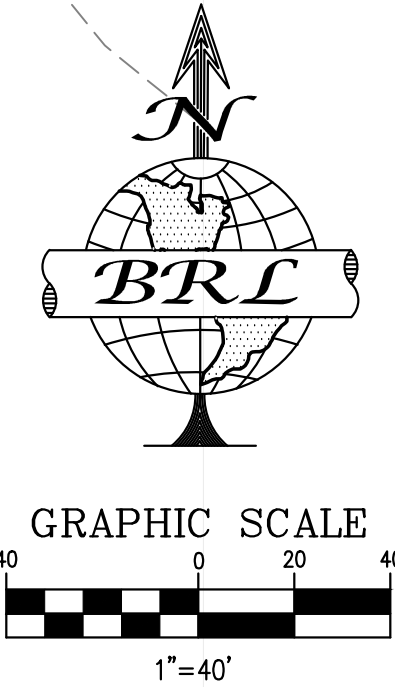


SIGNIFICANT FIR TREES TO BE REMOVED

SIGNIFICANT ALDER TREES TO BE REMOVED

APPROX. DRIPLINE SIGNIFICANT FIR TREES TO REMAIN

APPROX. DRIPLINE SIGNIFICANT ALDER TREES TO REMAIN



3-7-2022

REVISIONS:

DESIGNED BY:	LDR
CHECKED BY:	BRL
DATE:	19-056

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SOIL AMENDMENT & TREE RETENTION PLAN

RODRIGUEZ COMMERCIAL SITE

4203 78TH ST SW
MUKILTEO ,WA 98275

SHEET:

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REV:

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