

LEGEND

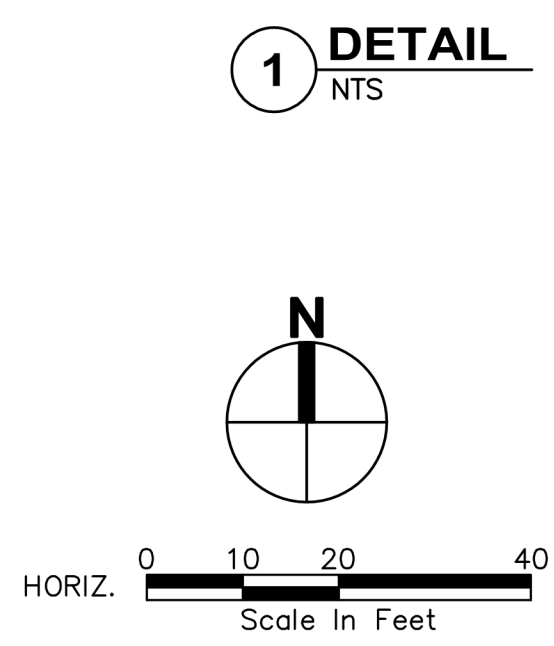
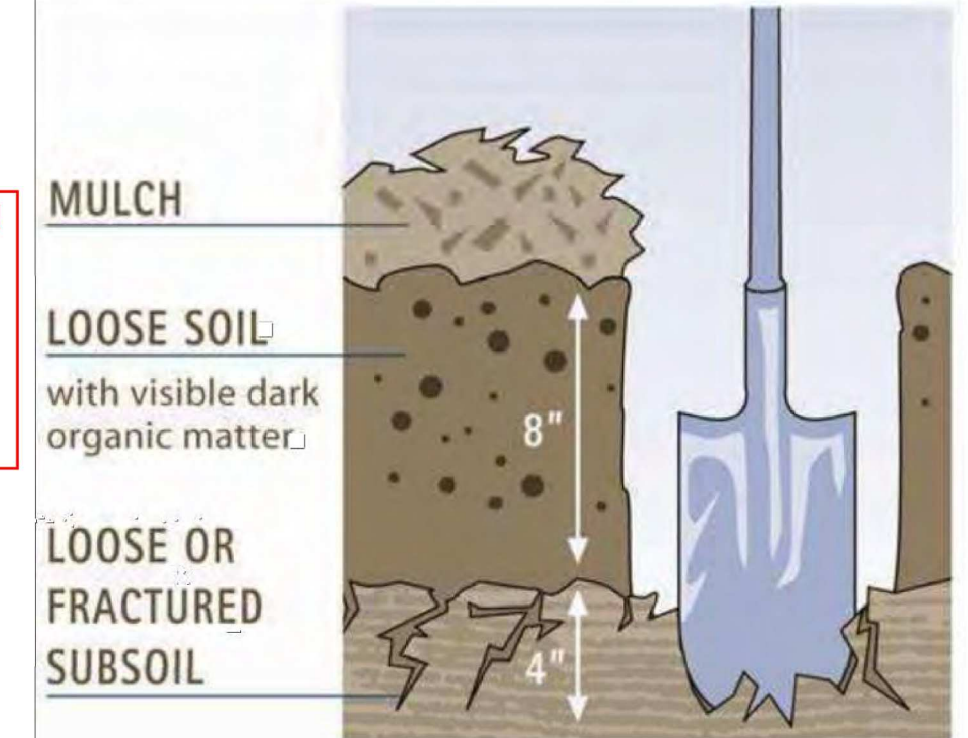
- SILT FENCE
- CONSTRUCTION LIMITS AND TREE PROTECTION CHAIN LINK FENCE
- INTERCEPTOR SWALE
- TEMPORARY CONSTRUCTION ENTRANCE
- INLET PROTECTION
- TREE PROTECTION LIMITS
- DRIVEWAY BASE COURSE OR ATB PRELEVEL

GENERAL TESC REMEDIATION:
 PERIMETER SILT FENCE:
 REPLACE, IMPROVE AND/OR MAINTAIN HIGH VISIBILITY SILT FENCE PER C1.1 AND WSDOT STANDARD PLAN I-30.16-00.
 CONSTRUCTION WASTE AND DEBRIS:
 REMOVE ALL CONSTRUCTION WASTE AND DEBRIS. ALL STOCKPILES OF LOOSE SOIL ON SITE SHOULD BE REMOVED.
 DEPENDING ON TIME OF YEAR HYDROSEED BARE GROUND SURFACE, INCLUDING CUT SLOPES OR COVER BARE AREAS WITH MULCH AND COIR EROSION MAT
 MONITOR AND MAINTAIN ON A ROUTINE SCHEDULE. SITE SHOULD BE MONITORED ONCE A MONTH AND AFTER SIGNIFICANT STORM EVENTS PER NOTE 10, TESC PLAN

GENERAL NOTES:

1. TREE REMOVAL TO BE COORDINATED WITH ARBORIST AND THE CITY OF MERCER ISLAND.
- CONSTRUCTION SEQUENCE**
1. INSTALL CONSTRUCTION LIMITS AND TREE PROTECTION CHAIN LINK FENCE, ALONG IDENTIFIED CONSTRUCTION LIMITS.
 2. INSTALL PERMANENT DOWNSTREAM PIPED CONVEYANCE INCLUDING CB5 AND CB2. SEE SHEET C2.0.
 3. INSTALL STORM DRAIN INLET PROTECTION.
 4. GRADE AND INSTALL CONSTRUCTION ENTRANCE AND PERMANENT DRIVEWAY CULVERT.
 5. GRADE AND INSTALL CONSTRUCTION STAGING / PARKING AREA.
 6. GRADE AND DESIGNATE STOCKPILE AREAS.
 7. INSTALL TEMPORARY INTERCEPTOR SWALE AND SEDIMENT CONTROL MEASURES.
 8. BEGIN DRIVEWAY CLEARING AND GRADING.
 9. INSTALL UTILITIES LOCATED IN DRIVEWAY CORRIDOR.
 10. INSTALL DRIVEWAY, GRADE WALLS, DRIVEWAY ACCESS BASE COURSE OR ATB PRELEVEL.
 11. INSTALL GABION BASKET WALLS.
 12. INSTALL BUILDING FOUNDATION SHORING.
 13. CONSTRUCT BUILDING AND REMAINING HARDSCAPE FEATURES.
 14. CONNECT UTILITIES.
 15. STABILIZE SITE.
 16. REMOVE REMAINING TESC FEATURES.
 17. CONDUCT ALL ACTIVITIES IN ACCORDANCE WITH ESC NOTES, THIS SHEET.

- BMP T5.13 IMPLEMENTATION NOTES:**
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 default "pre-approved" rate or at a custom calculated rate.
 4. Import topsoil mix of sufficient organic content and depth to meet the requirements.
 5. 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.



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ESTABLISH INTERCEPTOR SWALE WITH CHECK DAMS ALONG NORTH SIDE (LOW SIDE) OF EXISTING DRIVEWAY.

CONSTRUCT CHECK DAM(S) ON DRIVEWAY TO SLOW AND DIVERT SURFACE RUNOFF TO THE INTERCEPTOR SWALE

REGRADE AREAS WITHIN HOUSE FOOTPRINT TO CONTROL SURFACE RUNOFF. REGRADE TWO SMALL PONDS FOR SAFETY AND TO FUNCTION AS SEDIMENT TRAPS. NOT TOO STEEP OR DEEP.

CONSTRUCT DRAINAGE SWALE ALONG EASTERN FACE OF SOLDIER PILE WALL. CONSTRUCT SMALL BERM OF SOIL ACROSS FACE OF SOLDIER PILES, INSTEAD OF EXCAVATING. UTILIZE SAND AND LINE WITH PLASTIC.

GABION BASKETS HAVE NOT BEEN INSTALLED. COVER CUT SLOPE WITH COIR EROSION CONTROL MAT. AT IRREGULARITIES IN SLOPE REMOVE "HUMPS" OF DISTURBED SOIL TO CREATE UNIFORM SURFACE

BACKFILL EXISTING SHORING WALL WITH FREE DRAINING MATERIAL (PEA GRAVEL) TO WITHIN 1 TO 2 FEET OF THE TOP OF THE WALL. REMOVE LEAVES AND DEBRIS PRIOR TO BACKFILLING.

EROSION AND SEDIMENTATION CONTROL NOTES:

1. APPROVAL OF THIS EROSION AND SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G. SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.)
2. THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/ESC SUPERVISOR UNTIL THE SITE IS STABILIZED.
3. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED BY SURVEY TAPE OR FENCING, IF REQUIRED, PRIOR TO CONSTRUCTION (SWDM APPENDIX D). DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE CLEARING LIMITS SHALL BE PERMITTED. THE CLEARING LIMITS SHALL BE MAINTAINED BY THE APPLICANT/ESC SUPERVISOR FOR THE DURATION OF CONSTRUCTION.
4. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES, SUCH AS CONSTRUCTED WHEEL WASH SYSTEMS OR WASH PADS, MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN AND TRACK OUT TO ROAD RIGHT OF WAY DOES NOT OCCUR FOR THE DURATION OF THE PROJECT.
5. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING SO AS TO ENSURE THAT THE TRANSPORT OF SEDIMENT TO SURFACE WATERS, DRAINAGE SYSTEMS, AND ADJACENT PROPERTIES IS MINIMIZED.
6. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND MODIFIED TO ACCOUNT FOR CHANGING SITE CONDITIONS (E.G. ADDITIONAL COVER MEASURES, RELOCATION OF DITCHES AND SILT FENCES, PERIMETER PROTECTION ETC.).
7. THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/ESC SUPERVISOR AND MAINTAINED TO ENSURE CONTINUED PROPER FUNCTIONING. WRITTEN RECORDS SHALL BE KEPT OF WEEKLY REVIEWS OF THE ESC FACILITIES.
8. ANY AREAS OF EXPOSED SOILS, INCLUDING ROADWAY EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR TWO DAYS DURING THE WET SEASON OR SEVEN DAYS DURING THE DRY SEASON SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED ESC COVER METHODS (E.G., SEEDING, MULCHING, PLASTIC COVERING, ETC.).
9. ANY AREA NEEDING ESC MEASURES, NOT REQUIRING IMMEDIATE ATTENTION, SHALL BE ADDRESSED WITHIN SEVEN (7) DAYS.
10. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN 24 HOURS FOLLOWING A STORM EVENT.
11. AT NO TIME SHALL MORE THAN ONE (1) FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM.
12. COVER MEASURES WILL BE APPLIED IN CONFORMANCE WITH APPENDIX D OF THE SURFACE WATER DESIGN MANUAL.
13. PRIOR TO THE BEGINNING OF THE WET SEASON (OCT. 1), ALL DISTURBED AREAS SHALL BE REVIEWED TO IDENTIFY WHICH ONES CAN BE SEEDED IN PREPARATION FOR THE WINTER RAINS. DISTURBED AREAS SHALL BE SEEDED WITHIN ONE WEEK OF THE BEGINNING OF THE WET SEASON. A SKETCH MAP OF THOSE AREAS TO BE SEEDED AND THOSE AREAS TO REMAIN UNCOVERED SHALL BE SUBMITTED TO THE DDES INSPECTOR FOR REVIEW.

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 PLOT TIME: 7/31/2018 12:18 PM
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 XREF FILES: X17387-TBLOCK.dwg X17387-SRV.dwg X17387-SP.dwg X17387-FG.dwg X17387-SB.dwg X17387-DRIP LINES.dwg

NO.	REVISION	DATE

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 An Engineering Services Company
 11255 Kirkland Way, Suite 300
 Kirkland, WA 98033
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EDWARD J. BESS
 PROFESSIONAL ENGINEER
 07/31/18

5236 W MERCER WAY
SINGLE FAMILY RESIDENCE
TESC AND CONSTRUCTION
MANAGEMENT PLAN

SCALE: AS SHOWN	DATE: 07/31/2018
DESIGNED BY: DW	CHECKED BY: JS
JOB NUMBER 17387	
SHEET: C1.0	
SHEET 4 OF 11	

FILE NAME: P:\1717387\5236 WEST MERCER WAY SFR\CAD\ENGINEERING\SHREETS\1717387-GP.DWG
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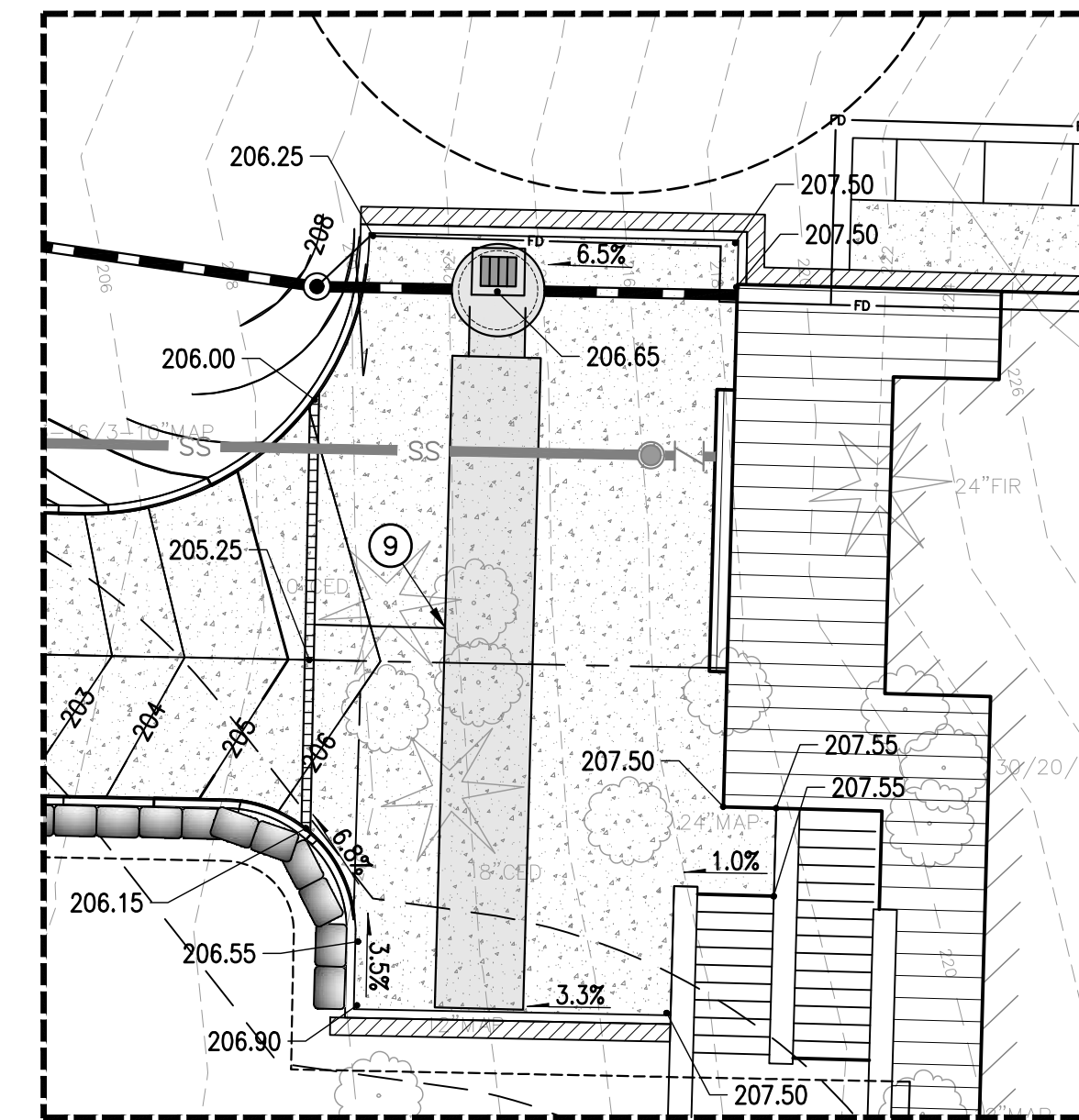
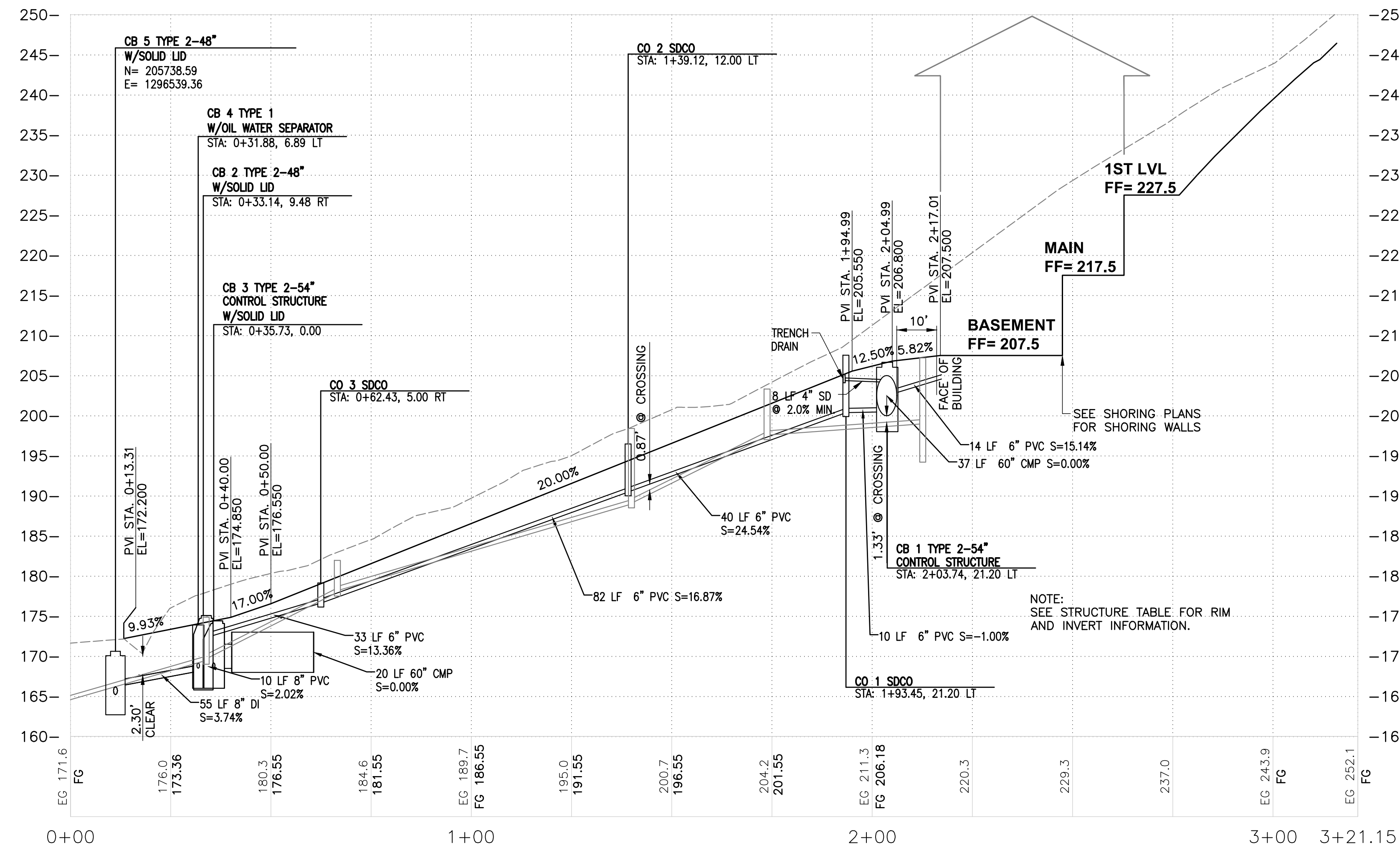
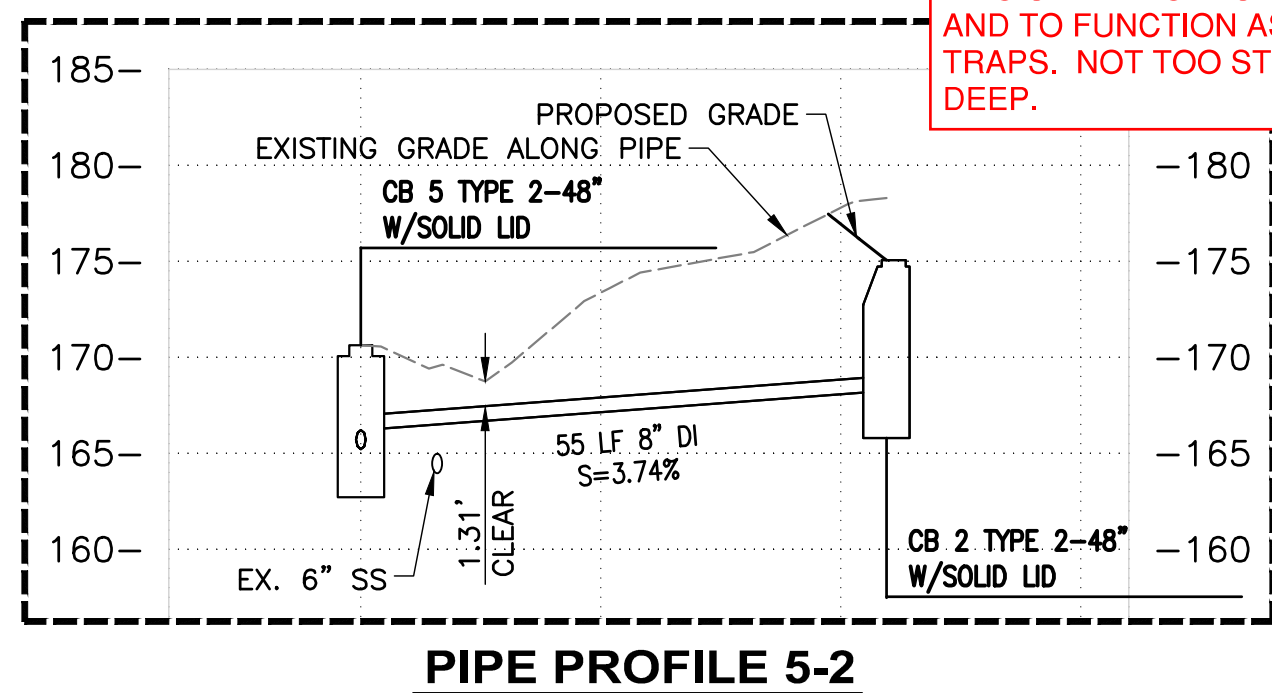
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STORM STRUCTURE TABLE

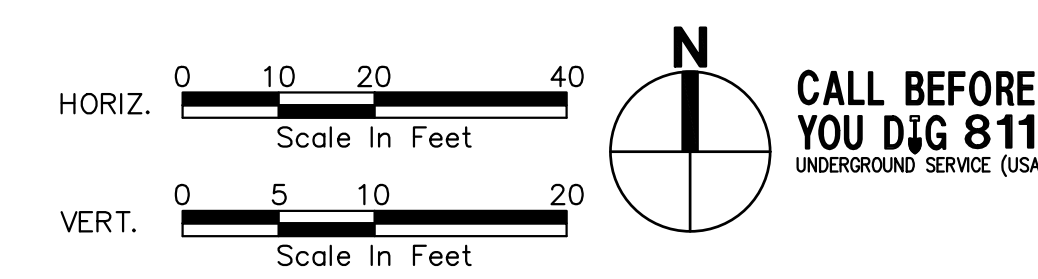
NAME	DETAILS
1 CB 1 TYPE 2-54" CONTROL STRUCTURE	RIM = 206.65 IE IN = 200.50 (36" CMP S) IE IN = 200.50 (6" PVC W) IE IN = 202.54 (6" PVC E)
2 CB 2 TYPE 2-48" W/SOLID LID	RIM = 175.07 IE IN = 172.25 (6" PVC E) IE IN = 168.30 (8" PVC NE) IE OUT = 168.30 (8" DI W)
3 CB 3 TYPE 2-54" CONTROL STRUCTURE W/SOLID LID	RIM = 174.43 IE IN = 168.50 (8" PVC N) IE IN = 168.50 (36" CMP E) IE OUT = 168.50 (8" PVC SW)
4 CB 4 TYPE 1 W/OIL WATER SEPARATOR	RIM = 173.91 IE OUT = 168.50 (8" PVC S)
5 CB 5 TYPE 2-48" W/SOLID LID	RIM = 170.62 IE IN = 166.25 (8" DI E) IE IN = 165.21 (12" CONC SE) IE OUT = 165.21 (12" CONC NW)
6 CO 1 SDCO	RIM = 207.55 IE OUT = 200.40 (6" PVC E) IE OUT = 200.40 (6" PVC W)
7 CO 2 SDCO	RIM = 196.47 IE IN = 190.50 (6" PVC E) IE OUT = 190.50 (6" PVC W)
8 CO 3 SDCO	RIM = 179.14 IE IN = 176.64 (6" PVC E) IE OUT = 176.64 (6" PVC W)

LEGEND

- PERMANENT SHORING
- TEMP. SHORING
- SANITARY SIDE SEWER
- SS CLEANOUT
- STORM DRAIN
- TRENCH DRAIN
- FOOTING DRAIN
- WALL DRAIN
- SD CLEANOUT
- YARD DRAIN
- CB TYPE 1
- CB TYPE 2
- CAST-IN-PLACE WALL



- KEY NOTES**
- PERMANENT SHORING WALLS
 - TEMPORARY SHORING WALLS
 - CONCRETE DRIVEWAY WITH VERTICAL CURB AND GUTTER.
 - VALLEY GUTTER AT EDGE OF ASPHALT. SEE DETAIL 3, SHEET C2.1.
 - 1" WATER METER, MINIMUM.
 - GABION BASKET WALL (TYP), SEE DETAIL 4, SHEET C2.1.
 - NOT USED.
 - CMP DETENTION PIPE, SEE DETAILS ON SHEET C2.1.
 - CONNECT TRENCH DRAIN TO DETENTION SYSTEM VIA 4" SD GRAVITY DRAIN @ 2.0% MINIMUM SLOPE. TRENCH DRAIN FINISHED GRADE ELEVATION MUST NOT BE LESS THAN 205.25.
 - CONNECT GABION BASKET WALL FOOTING DRAINS TO SOLDIER PILE SHORING FOOTING DRAIN.
 - CONNECT WALL DRAIN TO CB.
 - 6" ROOF DRAIN OUTLET, S=2.00% MIN.
 - CONNECT FOOTING DRAIN TO WALL DRAIN.
- GENERAL NOTES:**
- REFERENCE SHORING AND STRUCTURAL DETAILS FOR SHORING AND FOUNDATION DRAIN OUTLET DETAILS.
 - BASEMENT FLOOR SHORING-FOUNDATION DRAIN OUTLET SD @ 2.0% MIN.
 - YARD DRAIN OUTLET SD @ 2.0% MIN
 - STORM CONVEYANCE PIPE SHALL BE SDR 35 PVC.
 - GABION BASKET WALL CONSTRUCTED PRIOR TO PERMANENT SHORING CONSTRUCTION. SEE SHORING AND STRUCTURAL PLANS.
 - BMP 15.13 POST CONSTRUCTION SOIL QUALITY AND DEPTH OR BETTER FOR ALL DISTURBED LANDSCAPE AREAS.



5236 W MERCER WAY
SINGLE FAMILY RESIDENCE
ROAD, GRADING, AND STORM PLAN

SCALE: AS SHOWN DATE: 07/31/2018
 DESIGNED BY: DW CHECKED BY: JS
 JOB NUMBER: 17387
 SHEET: **C2.0**
 SHEET 6 OF 11

REVISION: SYM DATE

PACE
 An Engineering Services Company
 11255 Kirkland Way, Suite 300
 Kirkland, WA 98033
 P. 425.827.2014 | F. 425.827.5043
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