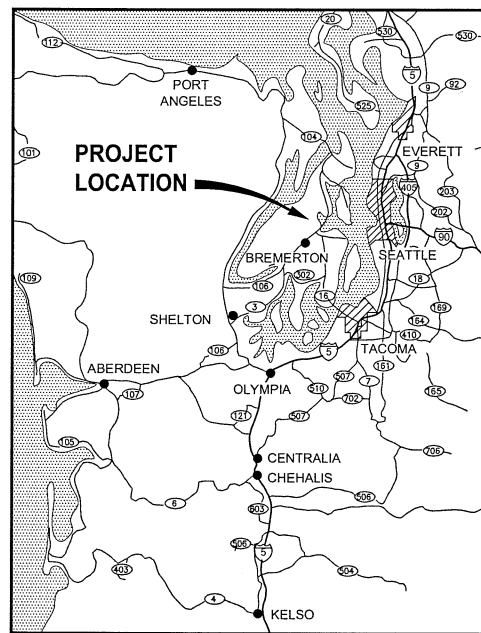


# UELAND TREE FARM KITSAP LAKE MINERAL RESOURCE DEVELOPMENT PRELIMINARY RECLAMATION PLAN

## KITSAP COUNTY, WASHINGTON SEC. 7, 18 AND 19, T. 24 N., R. 1 E., W.M. AND SEC. 12, 13, 24 AND 25, T. 24 N., R. 1 W., W.M.



VICINITY MAP

### SHEET INDEX

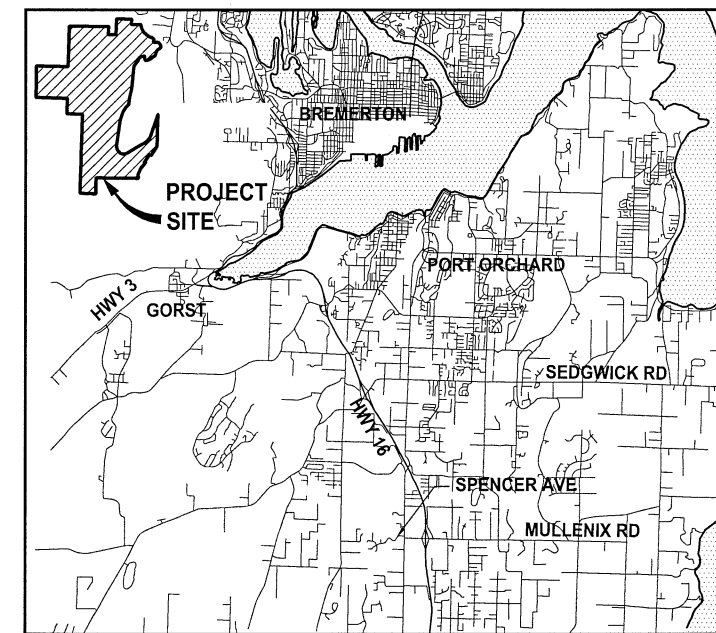
SHEET NO	DWG NO	SHEET TITLE
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2	G2	CONSTRUCTION NOTES
3	C1	SITE PLAN AND KEY MAP
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17	C15	MITIGATION AND ENHANCEMENT AREA PLAN

### OWNER:

UELAND TREE FARM  
ATTN: MARK MAUREN  
7216 78TH AVENUE N.W.  
GIG HARBOR, WA 98335

EROSION AND SEDIMENTATION CONTROL  
EMERGENCY CONTACT PERSON  
AVAILABLE 24 HRS/DAY, 7 DAYS PER WEEK

NAME: MARK MAUREN  
PHONE: \_\_\_\_\_  
PHONE (CELL): \_\_\_\_\_



LOCATION MAP

**30 % REVIEW SUBMITTAL  
NOT FOR CONSTRUCTION**

DATE: Sep 12, 2007 - 5:06pm PLOTTED BY: stockvon XREFS: XBR5528001P02T10G1\_R-A1

REVISIONS	DATE	BY	DESIGNED
△			K. BROWN
			V. STOCKMAN
			CHECKED
			APPROVED

ONE INCH AT FULL SCALE.  
IF NOT, SCALE ACCORDINGLY  
FILE NAME: BRS528001P02T10G1\_R-A1  
JOB NO: 233-5528-001 (02.10.2)  
DATE: SEPTEMBER 2007

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PROJECT NAME  
**UELAND TREE FARM  
KITSAP LAKE  
MINERAL RESOURCE DEVELOPMENT**  
KITSAP COUNTY, WASHINGTON

**COVER SHEET,  
SHEET INDEX, VICINITY MAP,  
AND PROJECT LOCATION**

DRAWING NO.  
1 OF 17  
**G1**

**GENERAL NOTES**

1. ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE MOST CURRENT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION PREPARED BY WSDOT AND APWA AS ADOPTED BY THE KITSAP COUNTY PUBLIC WORKS DEPARTMENT (KCDPW).
2. ANY REVISIONS TO THE ACCEPTED CONSTRUCTION PLANS SHALL BE REVIEWED AND APPROVED BY THE KCDPW PRIOR TO IMPLEMENTATION IN THE FIELD.
3. THE CONTRACTOR SHALL MAINTAIN A SET OF THE ACCEPTED CONSTRUCTION DRAWINGS ON-SITE AT ALL TIMES WHILE CONSTRUCTION IS IN PROGRESS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE TRAFFIC CONTROL AT ALL TIMES DURING CONSTRUCTION ALONGSIDE OR WITHIN ALL PUBLIC ROADWAYS. TRAFFIC FLOW ON EXISTING PUBLIC ROADWAYS SHALL BE MAINTAINED AT ALL TIMES, UNLESS PERMISSION IS OBTAINED FROM THE KCDPW FOR ROAD CLOSURE AND/OR DETOURS.

**GRADING NOTES:**

1. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN THE EVENT OF DISCOVERY OF POOR SOILS, GROUNDWATER OR DISCREPANCIES IN THE EXISTING CONDITIONS AS NOTED ON THE PLANS.
2. ALL AREAS RECEIVING FILL MATERIAL SHALL BE PREPARED BY REMOVING VEGETATION, NONCOMPLYING FILL, TOPSOIL AND OTHER UNSUITABLE MATERIAL, BY SCARIFYING THE SURFACE TO PROVIDE A BOND WITH THE NEW FILL, AND WHERE SLOPES ARE STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL AND THE HEIGHT IS GREATER THAN 5 FT., BY BENCHING INTO SOUND COMPETENT MATERIAL AS DETERMINED BY A SOILS ENGINEER.

**INSPECTION SCHEDULE**

1. THE CONTRACTOR SHALL NOTIFY THE KITSAP COUNTY DEPARTMENT OF PUBLIC WORKS, CONSTRUCTION DIVISION, TO ARRANGE FOR INSPECTION OF THE VARIOUS PHASES OF WORK CHECKED BELOW. ALL NECESSARY INSPECTIONS SHALL BE COMPLETED PRIOR TO PROCEEDING WITH THE NEXT PHASE OF WORK.
  - A. INSTALLATION OF THE STABILIZED CONSTRUCTION ENTRANCE.
  - B. IMPLEMENTATION OF THE VARIOUS PHASES OF THE TEMPORARY EROSION AND SEDIMENTATION CONTROL PLAN
  - C. PLACEMENT OF THE MAJOR DRAINAGE STRUCTURES PRIOR TO BACKFILLING, INCLUDING DETENTION POND EMBANKMENT
  - D. PRIOR TO PLACEMENT OF THE DETENTION OUTLET CONTROL STRUCTURE
  - E. INSPECTION OF PREPARED SUBGRADE
  - F. INSPECTION OF GRAVEL BASE PLACEMENT
  - G. INSPECTION OF FINE GRADING PRIOR TO PAVING
  - H. INSPECTION OF PAVING OPERATIONS
2. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL WORK PERFORMED BY THEM IS ACCEPTABLE TO KITSAP COUNTY.
3. IF ADEQUATE INSPECTION IS NOT CALLED FOR BEFORE COMPLETION OF ANY ITEM OF WORK SO DESIGNATED, SPECIAL DESTRUCTIVE AND/OR NON-DESTRUCTIVE TESTING PROCEDURES MAY BE REQUIRED TO ENSURE THE ACCEPTABILITY OF THE WORK. IF SUCH PROCEDURES ARE REQUIRED, THE CONTRACTOR SHALL BEAR RESPONSIBILITY FOR ALL COSTS ASSOCIATED WITH THE TESTING AND/OR RESTORATION OF THE WORK.

**PLASTIC COVERING NOTES:**

1. PLASTIC SHEETING SHALL HAVE A MINIMUM THICKNESS OF 6 MILS AND SHALL MEET THE REQUIREMENTS OF THE STATE STANDARD SPECIFICATION SECTION 9-14.5.
2. COVERING SHALL BE INSTALLED AND MAINTAINED TIGHTLY IN PLACE BY USING SANDBAGS OR TIRES ON ROPES WITH A MAXIMUM 10-FOOT GRID SPACING IN ALL DIRECTIONS. ALL SEAMS SHALL BE TAPED OR WEIGHTED DOWN FULL LENGTH AND THERE SHALL BE AT LEAST A 12 INCH OVERLAP OF ALL SEAMS.
3. CLEAR PLASTIC COVERING SHALL BE INSTALLED IMMEDIATELY ON AREAS SEEDED BETWEEN NOVEMBER 1 AND MARCH 31 AND REMAIN UNTIL VEGETATION IS FIRMLY ESTABLISHED.
4. WHEN THE COVERING IS USED ON UN-SEEDED SLOPES, IT SHALL BE KEPT IN PLACE UNTIL THE NEXT SEEDING PERIOD.
5. PLASTIC COVERING SHEETS SHALL BE BURIED TWO FEET AT THE TOP OF SLOPES IN ORDER TO PREVENT SURFACE WATER FLOW BENEATH SHEETS.
6. PROPER MAINTENANCE INCLUDES REGULAR CHECKS FOR RIPS AND DISLODGED ENDS.

**SEQUENCE OF CONTROL MEASURES**

1. TEMPORARY HYDROSEEDING OR OTHER STABILIZATION MEASURES SHALL BE PROVIDED ON ALL DISTURBED AREAS AS REQUIRED.
2. ALL SILTATION BARRIERS AND BASINS SHALL BE MAINTAINED TO PROVIDE THE REQUIRED PROTECTION.
3. BARRIERS MAY NOT BE REMOVED UNTIL CONSTRUCTION IS COMPLETED AND FINAL SITE STABILIZATION IS IN PLACE AND FUNCTIONAL.

**GENERAL EROSION & SEDIMENTATION CONTROL NOTES**

AT ALL TIMES, UNLESS OTHERWISE SPECIFIED ON THESE PLANS: THE FOLLOWING EROSION AND SEDIMENTATION CONTROL NOTES APPLY TO ALL CONSTRUCTION SITE ACTIVITIES

1. APPROVAL OF THIS EROSION AND SEDIMENTATION CONTROL PLAN DOES NOT CONSTITUTE AN ACCEPTANCE OF THE PERMANENT ROAD OR DRAINAGE DESIGN.
2. THE OWNER AND HIS/HER CONTRACTOR SHALL BE RESPONSIBLE AT ALL TIMES FOR PREVENTING SILT-LADEN RUNOFF FROM DISCHARGING FROM THE PROJECT SITE. FAILURE BY THE OWNER AND/OR CONTRACTOR CAN RESULT IN A FINE. THE DESIGNATED TEMPORARY CONTACT PERSON NOTED ON THE COVER SHEET OF THESE PLANS MUST BE AVAILABLE FOR CONTACT BY TELEPHONE ON A 24-HOUR BASIS THROUGHOUT CONSTRUCTION AND UNTIL THE PROJECT HAS BEEN COMPLETED AND ACCEPTED BY THE COUNTY.
3. THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE OWNER AND/OR CONTRACTOR FROM THE BEGINNING OF CONSTRUCTION UNTIL ALL CONSTRUCTION IS COMPLETED AND ACCEPTED BY THE COUNTY AND THE SITE IS STABILIZED.
4. PRIOR TO BEGINNING ANY WORK ON THE PROJECT SITE, A PRE-CONSTRUCTION CONFERENCE MUST BE HELD, AND SHALL BE ATTENDED BY THE GENERAL CONTRACTOR, THE PROJECT ENGINEER, REPRESENTATIVES FROM AFFECTED UTILITIES, AND A REPRESENTATIVE OF KITSAP COUNTY.
5. ALL ROCKED CONSTRUCTION ENTRANCES SHOWN ON THIS PLAN SHALL BE INSTALLED PRIOR TO BEGINNING CONSTRUCTION. IN ADDITION, EQUIPMENT FOR THE CLEANING OF PUBLIC ROADWAYS SHALL BE AVAILABLE AT ALL TIMES DURING CONSTRUCTION.
6. THE EROSION AND SEDIMENTATION CONTROL FACILITIES SHOWN ON THIS PLAN ARE TO BE CONSIDERED ADEQUATE BASIC REQUIREMENTS FOR THE ANTICIPATED SITE CONDITIONS. DURING CONSTRUCTION, DEVIATIONS FROM THIS PLAN MAY BE NECESSARY IN ORDER TO MAINTAIN WATER QUALITY. MINOR DEPARTURES FROM THIS PLAN ARE PERMITTED SUBJECT TO THE APPROVAL OF THE COUNTY INSPECTOR. HOWEVER, EXCEPT FOR EMERGENCY SITUATIONS, ALL OTHER DEVIATIONS FROM THIS PLAN MUST BE DESIGNED BY THE PROJECT ENGINEER AND APPROVED BY KITSAP COUNTY PRIOR TO INSTALLATION.
7. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED BY THE OWNER AND/OR CONTRACTOR ON A FREQUENT BASIS AND IMMEDIATELY AFTER EACH RAINFALL, AND MAINTAINED AS NECESSARY TO INSURE THEIR CONTINUED FUNCTIONING. ALL SEDIMENT MUST BE REMOVED FROM SILT FENCES, STRAW BALES, SEDIMENT PONDS, ETC., PRIOR TO THE SEDIMENT REACHING 1/2 ITS MAXIMUM POTENTIAL DEPTH.
8. AT NO TIME SHALL CONCRETE, CONCRETE BY-PRODUCTS, VEHICLE FLUIDS, PAINT, CHEMICALS, OR OTHER POLLUTING MATTER BE PERMITTED TO DISCHARGE TO THE TEMPORARY OR PERMANENT DRAINAGE SYSTEM, OR TO DISCHARGE FROM THE PROJECT SITE.
9. PERMANENT DETENTION/RETENTION PONDS, PIPES, TANKS OR VAULTS MAY BE USED FOR SEDIMENT CONTAINMENT WHEN SPECIFICALLY INDICATED ON THESE PLANS.

**TOPSOIL STOCKPILING NOTES:**

1. STOCKPILES SHALL BE STABILIZED (WITH PLASTIC COVERING OR OTHER APPROVED DEVICE) DAILY BETWEEN NOVEMBER 1 AND MARCH 31.
2. IN ANY SEASON, SEDIMENT LEACHING FROM STOCK PILES MUST BE PREVENTED.
3. TOPSOIL SHALL NOT BE PLACED WHILE IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBGRADE IS EXCESSIVELY WET, OR WHEN CONDITIONS EXIST THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING OR PROPOSED SODDING OR SEEDING.
4. PREVIOUSLY ESTABLISHED GRADES ON THE AREAS TO BE TOPSOILED SHALL BE MAINTAINED ACCORDING TO THE APPROVED PLAN.

**MINIMUM EROSION AND SEDIMENTATION CONTROL REQUIREMENTS**

1. **STABILIZATION AND SEDIMENT:** ALL EXPOSED AND UNWORKED SOILS, INCLUDING STOCKPILES, SHALL BE STABILIZED BY SUITABLE APPLICATION OF BMPS WHICH PROTECT SOIL FROM THE EROSION FORCES OF RAINDROP IMPACT AND FLOWING WATER. APPLICABLE PRACTICES INCLUDE, BUT ARE NOT LIMITED TO VEGETATIVE ESTABLISHMENT, MULCHING, PLASTIC COVERING, AND THE EARLY APPLICATION OF GRAVEL BASE ON AREAS TO BE PAVED. FROM OCTOBER 1 TO APRIL 30, NO SOILS SHALL REMAIN UNSTABILIZED FOR MORE THAN 2 DAYS. FROM MAY 1 TO SEPTEMBER 30, NO SOILS SHALL REMAIN UNSTABILIZED FOR MORE THAN 7 DAYS.

AT ALL TIMES OF THE YEAR, THE CONTRACTOR SHALL HAVE SUFFICIENT MATERIALS, EQUIPMENT AND LABOR ON-SITE TO STABILIZE AND PREVENT EROSION FROM ALL DENUDEED AREAS WITHIN 12-HOURS AS SITE AND WEATHER CONDITIONS DICTATE.

FROM OCTOBER 1ST TO APRIL 30TH, THE PROJECT ENGINEER SHALL VISIT THE DEVELOPMENT SITE A MINIMUM OF ONCE PER WEEK FOR THE PURPOSE OF INSPECTING THE EROSION AND SEDIMENTATION CONTROL FACILITIES, REVIEWING THE PROGRESS OF CONSTRUCTION, AND VERIFYING THE EFFECTIVENESS OF THE EROSION CONTROL MEASURES BEING UNDERTAKEN.

THE PROJECT ENGINEER SHALL IMMEDIATELY INFORM THE DIRECTOR OF ANY PROBLEMS OR POTENTIAL PROBLEMS OBSERVED DURING SAID SITE VISIT, AS WELL AS OF ANY RECOMMENDED CHANGES IN THE EROSION CONTROL MEASURES TO BE UNDERTAKEN. WHEN REQUESTED BY THE DIRECTOR, THE PROJECT ENGINEER SHALL PROVIDE THE DIRECTOR WITH WRITTEN RECORDS OF SAID WEEKLY SITE VISITS, INCLUDING DATES OF VISITS AND NOTED SITE OBSERVATIONS.

IN THE EVENT THAT GROUND ON A PROJECT SITE IS LEFT BARE AFTER SEPTEMBER 30TH, THE COUNTY MAY ISSUE A STOP WORK ORDER FOR THE ENTIRE PROJECT UNTIL SATISFACTORY CONTROLS ARE PROVIDED. IN ADDITION, THE OWNER WILL BE SUBJECT TO THE PENALTIES PROVIDED IN SECTION 10 AND SECTION 11 OF THE KITSAP COUNTY STORMWATER ORDINANCE.

IN THE EVENT THAT GROUND ON A PROJECT SITE IS LEFT BARE AFTER SEPTEMBER 30TH, AND THE COUNTY IS UNSUCCESSFUL IN CONTACTING THE OWNER OR HIS/HER DESIGNATED EMERGENCY CONTACT PERSON, THE COUNTY MAY ENTER THE PROJECT SITE AND INSTALL TEMPORARY GROUND COVER MEASURES AND BILL THE OWNER FOR ALL EXPENSES INCURRED BY THE COUNTY. THESE COSTS WILL BE IN ADDITION TO ANY MONETARY PENALTIES LEVIED AGAINST THE OWNER.

2. **DELINEATION OF CLEARING AND EASEMENT LIMITS:** CLEARING LIMITS, SETBACKS, BUFFERS AND SENSITIVE OR CRITICAL AREAS SUCH AS STEEP SLOPES, WETLANDS AND RIPARIAN CORRIDORS SHALL BE CLEARLY MARKED IN THE FIELD AND INSPECTED BY KITSAP COUNTY DEPARTMENT OF COMMUNITY DEVELOPMENT PRIOR TO COMMENCEMENT OF LAND CLEARING ACTIVITIES.
3. **PROTECTION OF ADJACENT PROPERTIES:** ADJACENT PROPERTIES SHALL BE PROTECTED FROM SEDIMENT DEPOSITION BY APPROPRIATE USE OF VEGETATIVE BUFFER STRIPS, SEDIMENT BARRIERS OR FILTERS, DIKES OR MULCHING, OR BY A COMBINATION OF THESE MEASURES AND OTHER APPROPRIATE BMPS.
4. **TIMING AND STABILIZATION OF SEDIMENT TRAPPING MEASURES:** SEDIMENT PONDS AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS AND OTHER BMPS INTENDED TO TRAP SEDIMENT ON-SITE SHALL BE CONSTRUCTED AS A FIRST STEP IN GRADING. THESE BMPS SHALL BE FUNCTIONAL BEFORE LAND DISTURBING ACTIVITIES TAKE PLACE. EARTHEN STRUCTURES SUCH AS DAMS, DIKES, AND DIVERSIONS SHALL BE STABILIZED ACCORDING TO THE TIMING INDICATED IN ITEM (1) ABOVE.
5. **SLOPE STABILIZATION:** CUT AND FILL SLOPES SHALL BE CONSTRUCTED IN A MANNER THAT WOULD MINIMIZE EROSION. ROUGHENED SOIL SURFACES ARE PREFERRED TO SMOOTH SURFACES. INTERCEPTORS SHOULD BE CONSTRUCTED AT THE TOP OF LONG, STEEP SLOPES WHICH HAVE SIGNIFICANT AREAS ABOVE THAT CONTRIBUTE RUNOFF. CONCENTRATED RUNOFF SHOULD NOT BE ALLOWED TO FLOW DOWN THE FACE OF A CUT OR FILL SLOPE UNLESS CONTAINED WITHIN AN ADEQUATE CHANNEL OR PIPE SLOPE DRAIN. WHEREVER A SLOPE FACE CROSSES A WATER SEEPAGE PLANE, ADEQUATE DRAINAGE OR OTHER PROTECTION SHOULD BE PROVIDED. IN ADDITION, SLOPES SHOULD BE STABILIZED IN ACCORDANCE WITH ITEM (1) ABOVE.
6. **STABILIZATION OF TEMPORARY CONVEYANCE CHANNELS AND OUTLETS:** ALL TEMPORARY ON-SITE CONVEYANCE CHANNELS SHALL BE DESIGNED, CONSTRUCTED AND STABILIZED TO PREVENT EROSION FROM THE EXPECTED FLOW VELOCITY FROM A 2-YEAR FREQUENCY, 24-HOUR DURATION STORM FOR THE POST-DEVELOPMENT CONDITION. STABILIZATION ADEQUATE TO PREVENT EROSION OF OUTLETS, ADJACENT STREAMBANKS, SLOPES AND DOWNSTREAM REACHES SHALL BE PROVIDED AT THE OUTLETS OF ALL CONVEYANCE SYSTEMS.

7. **CONSTRUCTED ACCESS ROUTES:** WHEREVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED ROADS, PROVISIONS MUST BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT (MUD) ONTO THE PAVED ROAD BY USE OF APPROPRIATE BMPS SUCH AS A STABILIZED CONSTRUCTION ENTRANCE. IF SEDIMENT IS TRANSPORTED ONTO A ROAD SURFACE, THE ROADS SHALL BE CLEANED THOROUGHLY, AS A MINIMUM, AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM ROADS BY SHOVELING OR SWEEPING AND BE TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER.
8. **REMOVAL OF TEMPORARY BMPS:** 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 TEMPORARY BMPS SHALL BE PERMANENTLY STABILIZED. THE REMOVAL OF TEMPORARY EROSION AND SEDIMENT CONTROL BMPS MAY NOT BE REQUIRED FOR THOSE PROJECTS, SUCH AS SINGLE FAMILY PLATS, THAT WILL BE FOLLOWED BY ADDITIONAL CONSTRUCTION UNDER A DIFFERENT PERMIT. IN THESE CIRCUMSTANCES, THE NEED FOR REMOVING OR RETAINING THE MEASURES WILL BE EVALUATE ON A SITE-SPECIFIC BASIS.
9. **DEWATERING CONSTRUCTION SITES:** DEWATERING DEVICES SHALL DISCHARGE INTO AN APPROPRIATE SEDIMENT TRAP OR POND, DESIGNED TO ACCEPT SUCH A DISCHARGE, PRECEDED BY ADEQUATE ENERGY DISSIPATION, PRIOR TO RUNOFF LEAVING THE SITE.
10. **CONTROL OF POLLUTANTS OTHER THAN SEDIMENT ON CONSTRUCTION SITES:** ALL POLLUTANTS OTHER THAN SEDIMENT THAT OCCUR ON-SITE DURING CONSTRUCTION SHALL BE HANDLED AND LEGALLY DISPOSED OF IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORM OR SURFACE WATER. POLLUTANTS OF CONCERN INCLUDE, BUT ARE NOT LIMITED TO, FUELS, LUBRICANTS, SOLVENTS, CONCRETE BI-PRODUCTS AND CONSTRUCTION MATERIALS.
11. **MAINTENANCE:** 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 THE MANUAL. THE APPLICANT SHALL BE RESPONSIBLE FOR ASSURING THAT ANY SUCH FACILITIES DAMAGED DURING FLOODS, STORMS OR OTHER ADVERSE WEATHER CONDITIONS ARE IMMEDIATELY RETURNED TO NORMAL OPERATING CONDITION.
12. **FINANCIAL LIABILITY:** A PERFORMANCE COVENANT OR PERFORMANCE SURETY, SHALL BE REQUIRED FOR ALL PROJECTS TO ENSURE COMPLIANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN, AS OUTLINED IN SECTION 4.0 OF THE KITSAP COUNTY STORMWATER ORDINANCE.

**GENERAL OPERATIONS NOTES:**

1. THE BOUNDARIES OF THE CLEARING AND EXCAVATION LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY MARKED WITH PERMANENT STAKES OR FENCING. MINE LIMITS MARKERS SHALL REMAIN UNTIL RECLAMATION IS COMPLETE. DO NOT DISTURB VEGETATION WITHIN BUFFER AREAS EXCEPT FOR ACCESS ROADS.
2. CONSTRUCT EROSION AND SEDIMENT CONTROL (ESC) AND SOURCE CONTROL FACILITIES PRIOR TO ANY SITE WORK AS REQUIRED BY THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP). THE ESC FACILITIES ARE TO BE CONSIDERED ADEQUATE BASIC REQUIREMENTS FOR THE ANTICIPATED SITE CONDITIONS. DURING CONSTRUCTION, DEVIATIONS FROM THE PLAN MAY BE NECESSARY TO MAINTAIN WATER QUALITY.
3. ALL ESC AND DRAINAGE FACILITIES SHALL BE INSPECTED BY THE OPERATOR ON A FREQUENT BASIS AND IMMEDIATELY AFTER EACH SIGNIFICANT RAINFALL, AND MAINTAINED AS NECESSARY TO INSURE THEIR CONTINUED FUNCTION.
4. AT NO TIME SHALL CONCRETE, CONCRETE BY-PRODUCTS, VEHICLE FLUIDS OR FUELS, PAINT, CHEMICALS, OR OTHER POLLUTANTS BE PERMITTED TO DISCHARGE TO THE TEMPORARY OR PERMANENT DRAINAGE SYSTEM, EXCAVATION AREAS, OR BE ALLOWED TO DISCHARGE FROM THE SITE. CONSTRUCT SOURCE CONTROL BMPS FOR VEHICLE MAINTENANCE AND OTHER APPROPRIATE AREAS TO TREAT RUNOFF FROM POTENTIAL POLLUTANT GENERATING SURFACES.
5. TOPSOIL SHALL BE STOCKPILED FOR RECLAMATION USE. TOPSOIL SHALL BE RETAINED ON-SITE AND USED FOR SITE RECLAMATION. SEE TOPSOIL BUDGET ON THE RECLAMATION PLAN FOR QUANTITIES.
6. EXCAVATION SHALL BEGIN IN THE SEGMENT 1 AREA AND END IN THE SEGMENT \_\_\_ AREA. THE LOCATION AND SEQUENCING OF EACH SEGMENT MAY BE MODIFIED TO IMPROVE EFFICIENCY OF MATERIAL HANDLING AND TRANSPORT. HOWEVER, SEGMENT SIZES SHALL NOT EXCEED 7 ACRES IN SIZE, UNLESS INDICATED ON THE PLAN, AND NO MORE THAN ONE SEGMENT SHALL BE ACTIVELY MINED AT A TIME. IF THE MINING AND RECLAMATION SEQUENCE IS REVISED, THEN A REVISED RECLAMATION PLAN MUST BE ACCEPTED AND FILED BY THE DNR PRIOR TO IMPLEMENTING THE REVISED PLAN.
7. LOCATIONS OF OFFICE, SHOP AND ACCESS ROAD ARE APPROXIMATE AND MAY BE RELOCATED IF NEEDED TO CONFORM WITH OPERATIONAL REQUIREMENTS.

EROSION AND SEDIMENTATION CONTROL EMERGENCY CONTACT PERSON AVAILABLE 24 HRS/DAY, 7 DAYS PER WEEK

NAME: MARK MAUREN  
PHONE: \_\_\_\_\_  
PHONE (CELL): \_\_\_\_\_

**30 % REVIEW SUBMITTAL  
NOT FOR CONSTRUCTION**

DATE: Sep 12, 2007 - 5:06pm PLOTTED BY: stockvon XREF'S: XBR5528001P02T10G2\_R-A1

REVISIONS	DATE	BY	DESIGNED
			K. BROWN
			V. STOCKMAN
			CHECKED
			APPROVED

**ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY**

FILE NAME: BR5528001P02T10G2\_R-A1  
JOB No: 233-5528-001 (02.10.2)  
DATE: SEPTEMBER 2007

**Parametrix**  
ENGINEERING . PLANNING . ENVIRONMENTAL SCIENCES

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PROJECT NAME  
**UELAND TREE FARM  
KITSAP LAKE  
MINERAL RESOURCE DEVELOPMENT**  
KITSAP COUNTY, WASHINGTON

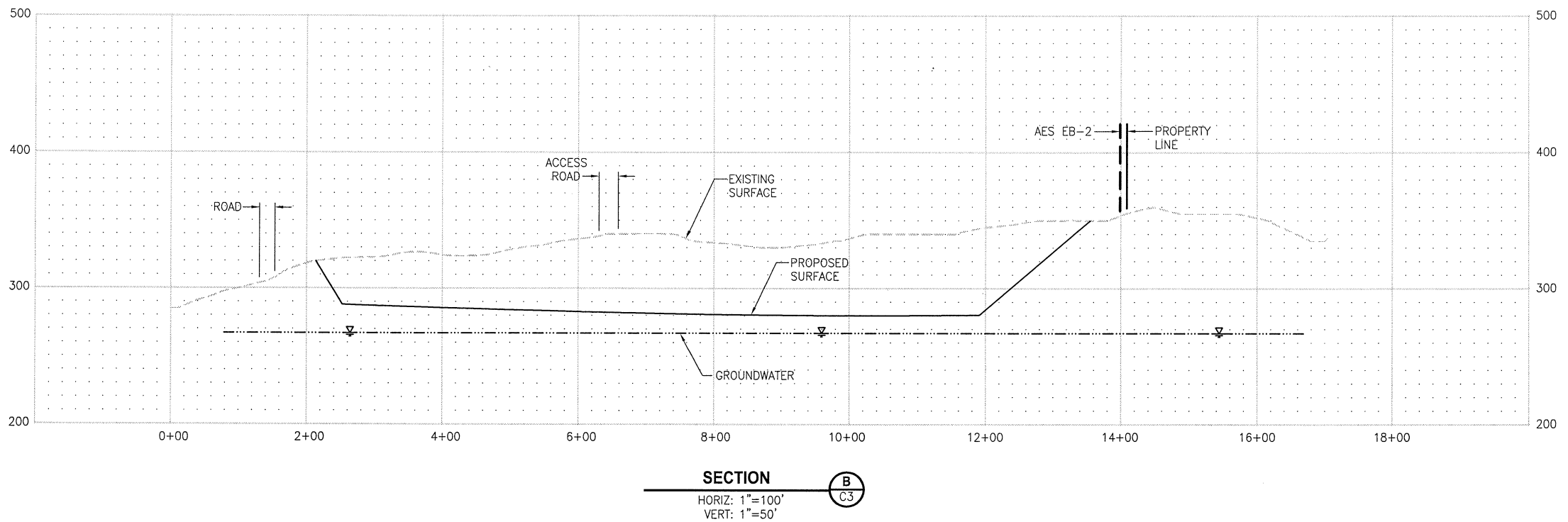
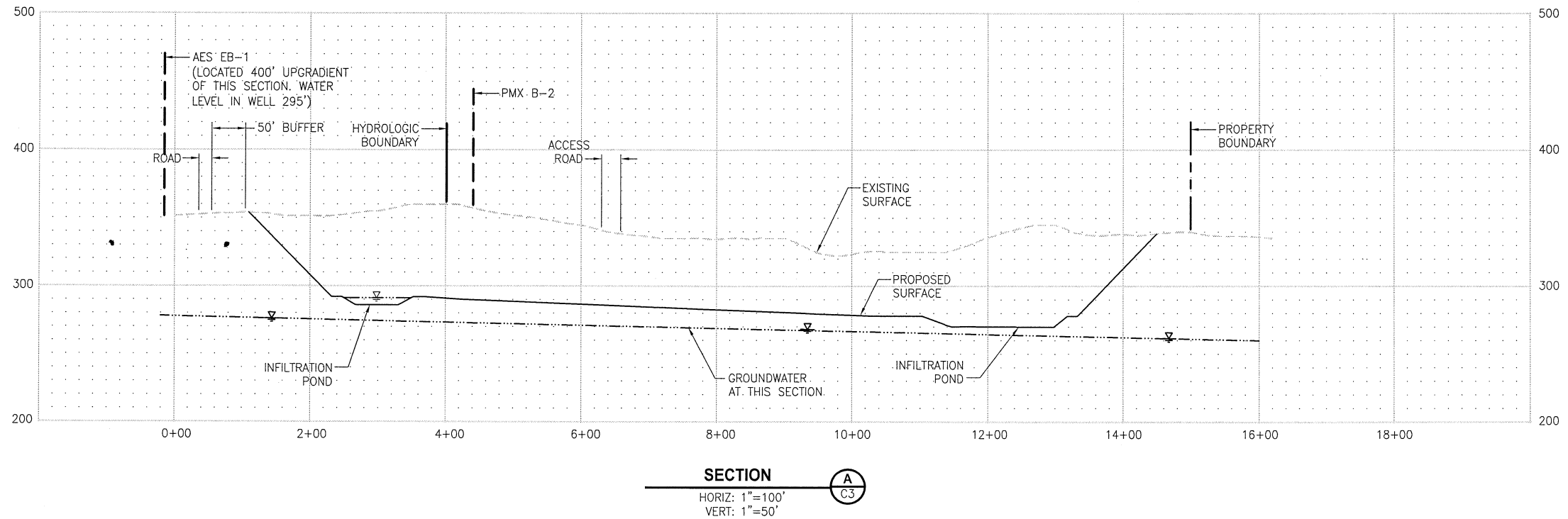
**CONSTRUCTION NOTES**

DRAWING NO.  
2 OF 17  
**G2**









NOTE: GRAVEL EXCAVATION VOL = 2,572,000 CY (3,858,000 T)

30 % REVIEW SUBMITTAL  
 NOT FOR CONSTRUCTION

DATE: Sep 13, 2007 8:17am PLOTTED BY: stockvon  
 IMAGES: XREF'S: XBR5528001P02T10TB\_R-A1 | XBR5528001P02T10PR\_R-A1

REVISIONS	DATE	BY	DESIGNED
			K. BROWN
			V. STOCKMAN
			CHECKED
			APPROVED

ONE INCH AT FULL SCALE.  
 IF NOT, SCALE ACCORDINGLY  
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 JOB No: 233-5528-001 (02.10.2)  
 DATE: SEPTEMBER 2007

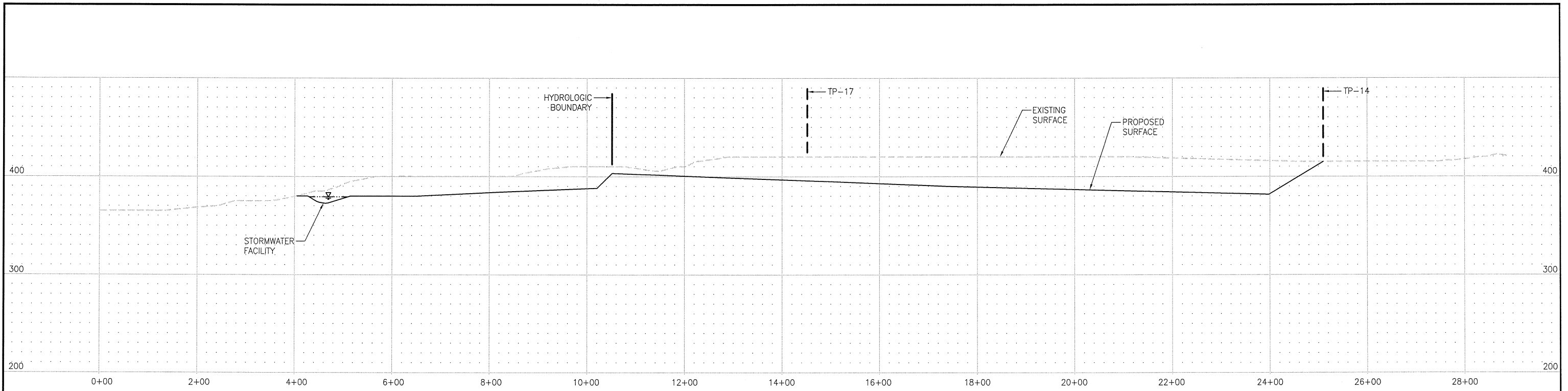
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PROJECT NAME  
**UELAND TREE FARM  
 KITSAP LAKE  
 MINERAL RESOURCE DEVELOPMENT**  
 KITSAP COUNTY, WASHINGTON

**SAND AND GRAVEL MINE "A"  
 SECTIONS**

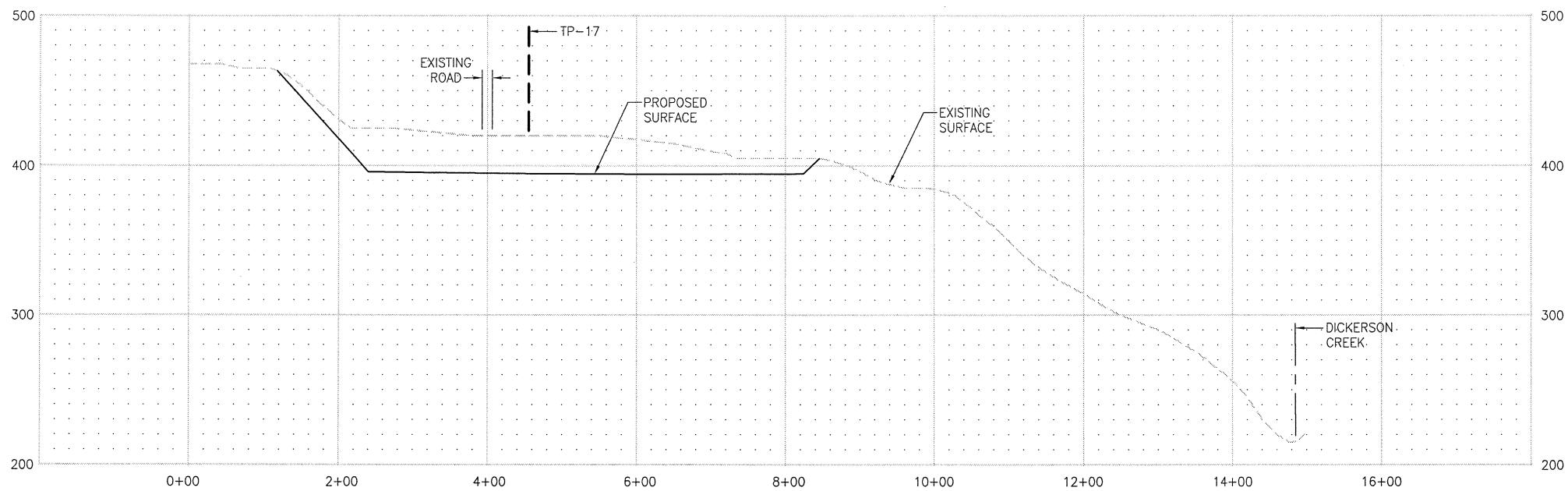
DRAWING NO.  
 6 OF 17  
**C4**





**SECTION**

HORIZ: 1"=100'  
VERT: 1"=50'



**SECTION**

HORIZ: 1"=100'  
VERT: 1"=50'



**NOTE: GRAVEL EXCAVATION VOL = 1,022,000 CY (1,533,000 T)**

**30 % REVIEW SUBMITTAL  
NOT FOR CONSTRUCTION**

DATE: Sep 13, 2007 - 8:17am PLOTTED BY: stockvon  
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			K. BROWN
			DRAWN V. STOCKMAN
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DATE: SEPTEMBER 2007

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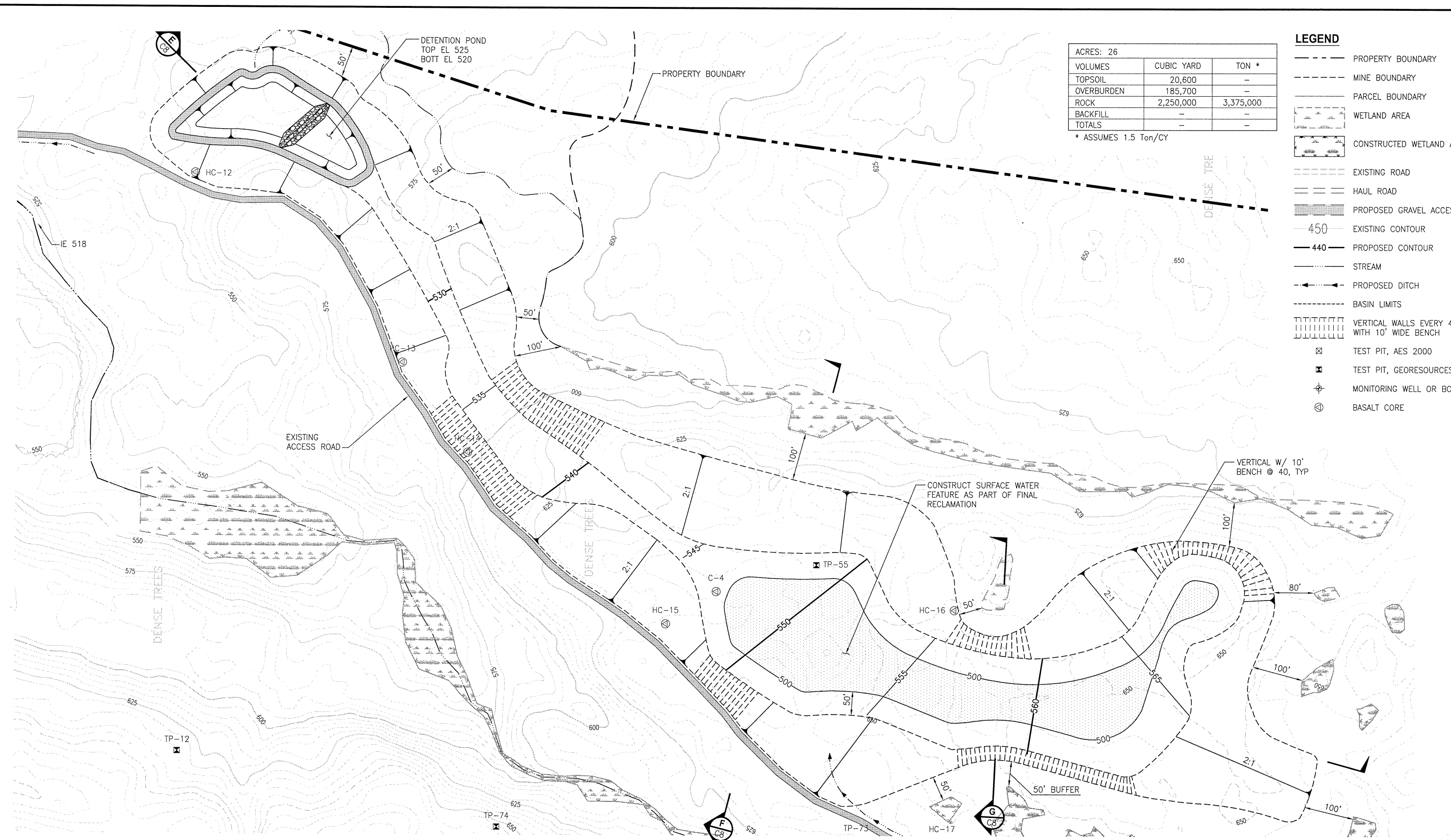
PROJECT NAME  
**UELAND TREE FARM  
KITSAP LAKE  
MINERAL RESOURCE DEVELOPMENT**  
KITSAP COUNTY, WASHINGTON

**SAND AND GRAVEL MINE "B"  
SECTIONS**

DRAWING NO.  
8 OF 17  
**C6**



DATE: Sep 12, 2007 - 5:29pm PLOTTED BY: stockvon  
 IMAGES: AES Samples | GeoResources Samples1 | GeoResources Samples2 | GeoResources Samples3 | XREFS: XBR5528001P021101B\_R-A1 | XBR5528001-KITSAP\_LK-parcels | XBR5528001P021101A\_Sampling\_R-A1 | XBR5528001-BA-contours | XBR5528001-BA-WET | XBR5528001P021101B-WET | XBR5528001P021101B-WET | XBR5528001P021101B-WET

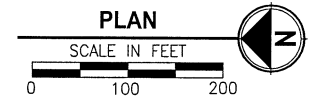


ACRES: 26		
VOLUMES	CUBIC YARD	TON *
TOPSOIL	20,600	-
OVERBURDEN	185,700	-
ROCK	2,250,000	3,375,000
BACKFILL	-	-
TOTALS	-	-

\* ASSUMES 1.5 Ton/CY

- LEGEND**
- PROPERTY BOUNDARY
  - MINE BOUNDARY
  - PARCEL BOUNDARY
  - WETLAND AREA
  - CONSTRUCTED WETLAND AREA
  - EXISTING ROAD
  - HAUL ROAD
  - PROPOSED GRAVEL ACCESS ROAD
  - 450 EXISTING CONTOUR
  - 440 PROPOSED CONTOUR
  - STREAM
  - PROPOSED DITCH
  - BASIN LIMITS
  - VERTICAL WALLS EVERY 40' WITH 10' WIDE BENCH
  - ⊠ TEST PIT, AES 2000
  - ⊠ TEST PIT, GEORESOURCES 2006
  - ⊕ MONITORING WELL OR BORING
  - ⊕ BASALT CORE

**NOTE**  
 RECLAMATION DESIGN IS PRELIMINARY AND SCHEMATIC.  
 ADDITIONAL RECLAMATION DETAIL TO BE DEVELOPED AT LATER DATE  
 FOLLOWING COMPLETION OF CRITICAL AREAS INVENTORY AND  
 HABITAT ASSESMENTS.



**30 % REVIEW SUBMITTAL**  
**NOT FOR CONSTRUCTION**

REVISIONS	DATE	BY	DESIGNED
			K. BROWN
			V. STOCKMAN
			CHECKED
			APPROVED

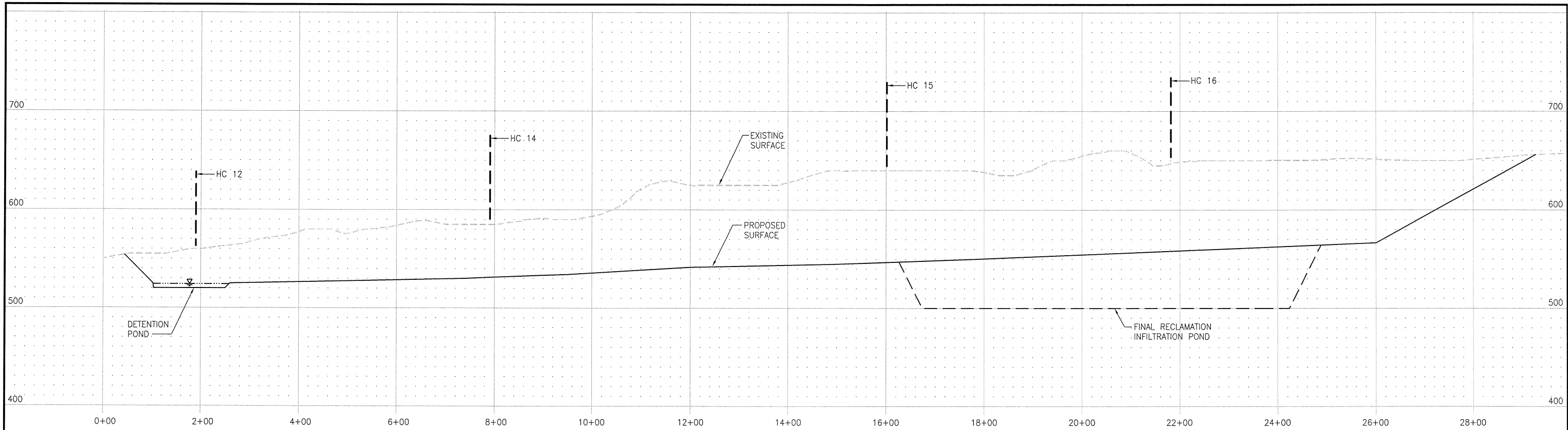
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**IF NOT, SCALE ACCORDINGLY**  
 FILE NAME  
 BR5528001P02110C3\_R-A1  
 JOB No.  
 233-5528-001 (02.10.2)  
 DATE  
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PROJECT NAME  
**UELAND TREE FARM**  
**KITSAP LAKE**  
**MINERAL RESOURCE DEVELOPMENT**  
 KITSAP COUNTY, WASHINGTON

**BASALT QUARRY "A"**  
**PLAN**

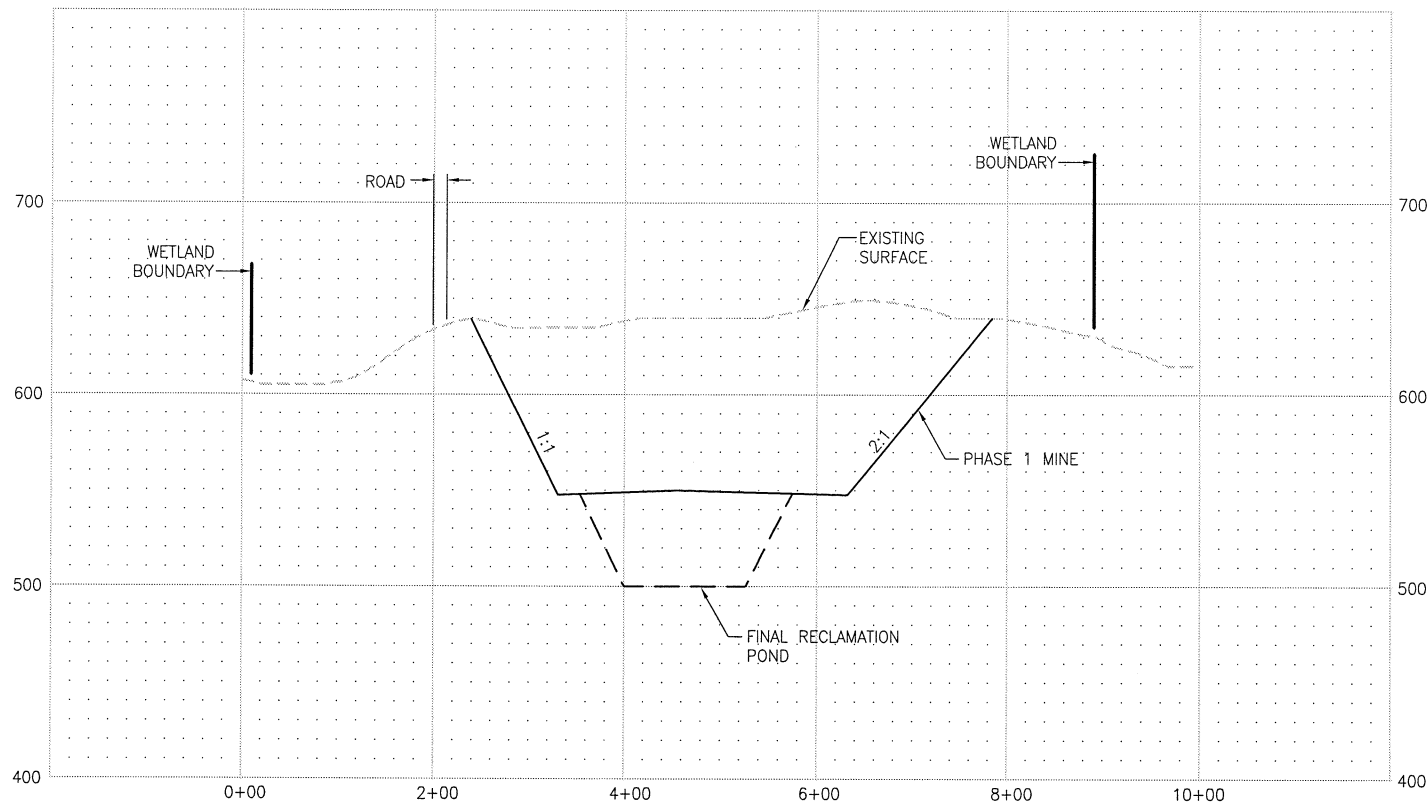
DRAWING NO.  
 9 OF 17  
**C7**



**SECTION**

HORIZ: 1"=100'  
VERT: 1"=50'

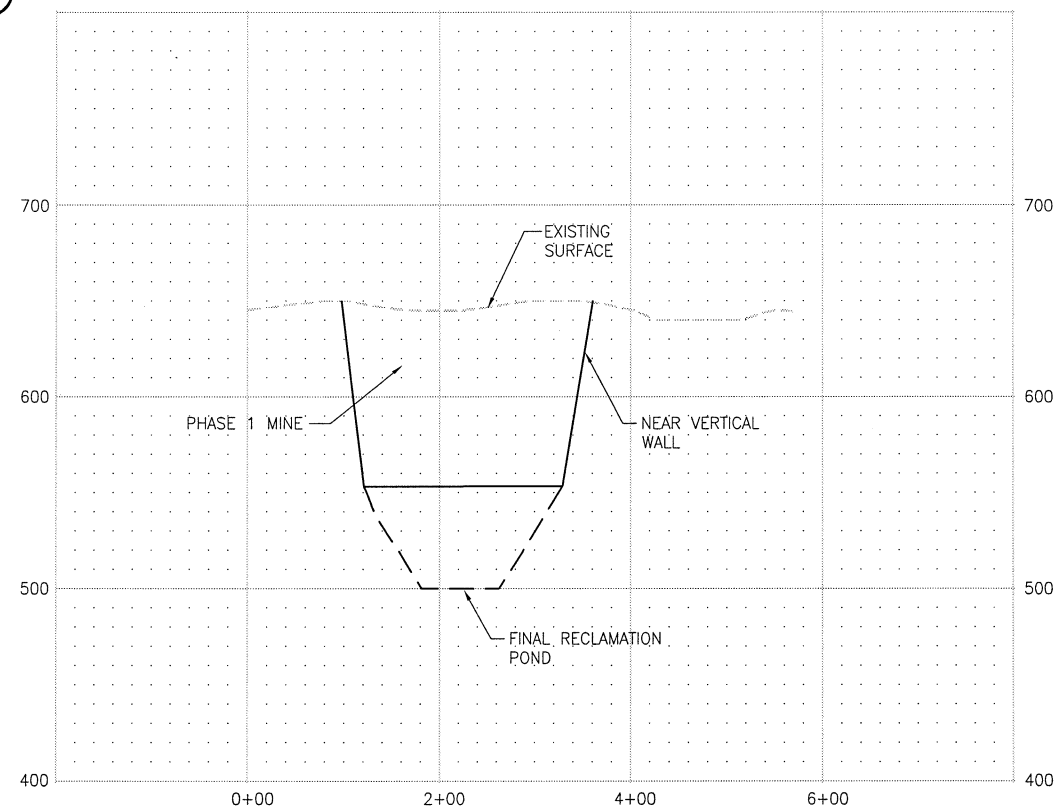
E  
C7



**SECTION**

HORIZ: 1"=100'  
VERT: 1"=50'

F  
C7



**SECTION**

HORIZ: 1"=100'  
VERT: 1"=50'

G  
C7

NOTE: BASALT ROCK EXCAVATION VOL = 2,250,000 CY (3,375,000 T)

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DATE: Sep 13, 2007 - 8:17am PLOTTED BY: stockvon  
IMAGES: XREF: S: XBR5528001P021101B\_R-A1 | XBR5528001P021101PR\_R-A1

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			V. STOCKMAN
			CHECKED
			APPROVED

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FILE NAME: BR5528001P021101C4\_R-A1  
JOB No: 233-5528-001 (02.10.2)  
DATE: SEPTEMBER 2007

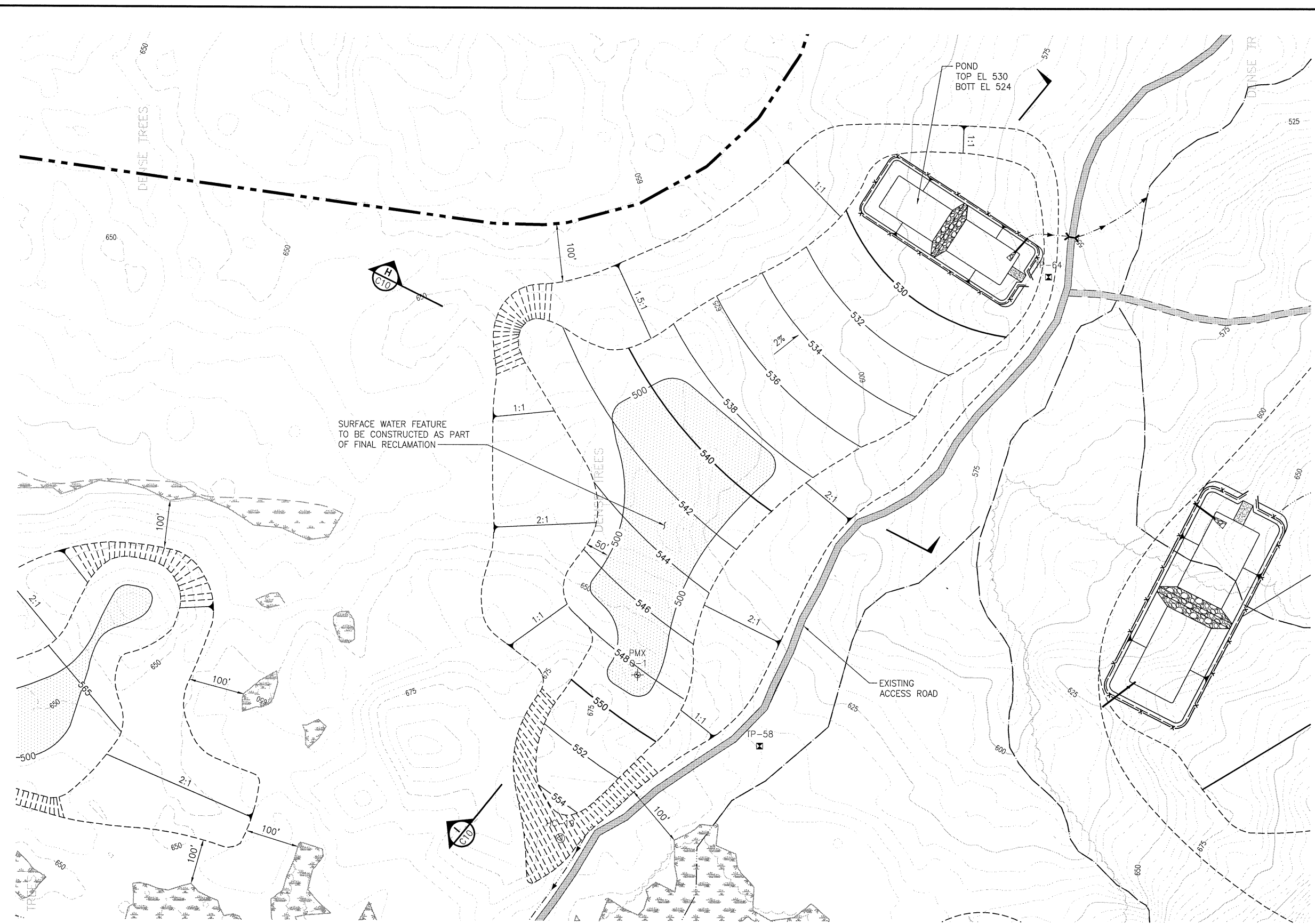
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PROJECT NAME  
**UELAND TREE FARM  
KITSAP LAKE  
MINERAL RESOURCE DEVELOPMENT**  
KITSAP COUNTY, WASHINGTON

**BASALT QUARRY "A"  
SECTIONS**

DRAWING NO.  
10 OF 17  
**C8**

DATE: Sep 12, 2007 5:29pm PLOTTED BY: stockton  
 IMAGES: AES Samples | GeoResources Samples1 | GeoResources Samples2 | GeoResources Samples3 | XREFS: XBR528001P02110B\_R-A1 | XBR528001P02110C3\_R-A1 | XBR528001P02110D\_R-A1 | XBR528001P02110E\_R-A1 | XBR528001P02110F\_R-A1 | XBR528001P02110G\_R-A1 | XBR528001P02110H\_R-A1 | XBR528001P02110I\_R-A1 | XBR528001P02110J\_R-A1 | XBR528001P02110K\_R-A1 | XBR528001P02110L\_R-A1 | XBR528001P02110M\_R-A1 | XBR528001P02110N\_R-A1 | XBR528001P02110O\_R-A1 | XBR528001P02110P\_R-A1 | XBR528001P02110Q\_R-A1 | XBR528001P02110R\_R-A1 | XBR528001P02110S\_R-A1 | XBR528001P02110T\_R-A1 | XBR528001P02110U\_R-A1 | XBR528001P02110V\_R-A1 | XBR528001P02110W\_R-A1 | XBR528001P02110X\_R-A1 | XBR528001P02110Y\_R-A1 | XBR528001P02110Z\_R-A1

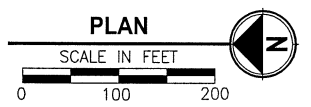


- LEGEND**
- PROPERTY BOUNDARY
  - MINE BOUNDARY
  - PARCEL BOUNDARY
  - [Symbol] WETLAND AREA
  - [Symbol] CONSTRUCTED WETLAND AREA
  - EXISTING ROAD
  - HAUL ROAD
  - [Symbol] PROPOSED GRAVEL ACCESS ROAD
  - 450 EXISTING CONTOUR
  - 440 PROPOSED CONTOUR
  - STREAM
  - PROPOSED DITCH
  - BASIN LIMITS
  - [Symbol] VERTICAL WALLS EVERY 40' WITH 10' WIDE BENCH
  - [Symbol] TEST PIT, AES 2000
  - [Symbol] TEST PIT, GEORESOURCES 2006
  - [Symbol] MONITORING WELL OR BORING
  - [Symbol] BASALT CORE

ACRES:	22	
VOLUMES	CUBIC YARD	TON *
TOPSOIL	17,900	--
OVERBURDEN	143,000	--
ROCK	2,141,000	3,212,000
BACKFILL	--	--
TOTALS	--	--

\* ASSUMES 1.5 Ton/CY

**NOTE**  
 RECLAMATION DESIGN IS PRELIMINARY AND SCHEMATIC.  
 ADDITIONAL RECLAMATION DETAIL TO BE DEVELOPED AT LATER DATE  
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 HABITAT ASSESMENTS.



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REVISIONS	DATE	BY	DESIGNED
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			APPROVED

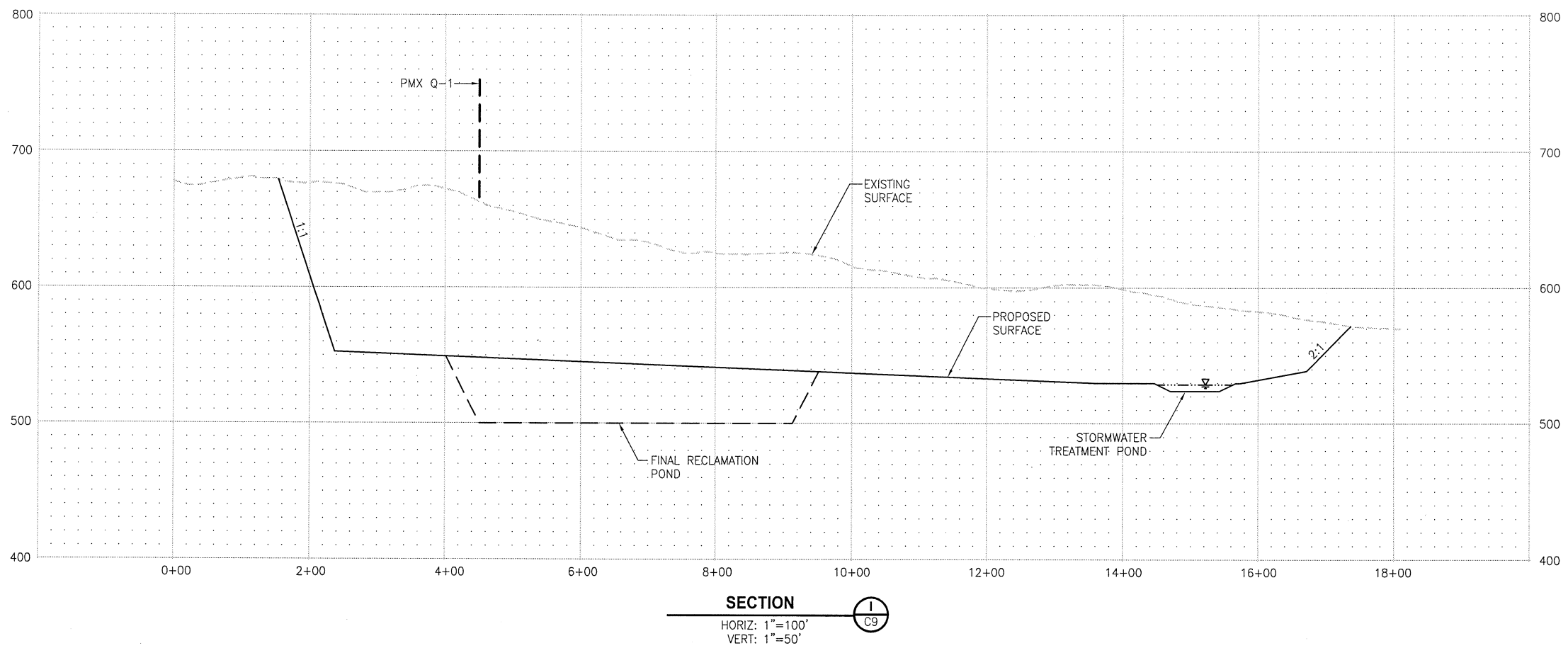
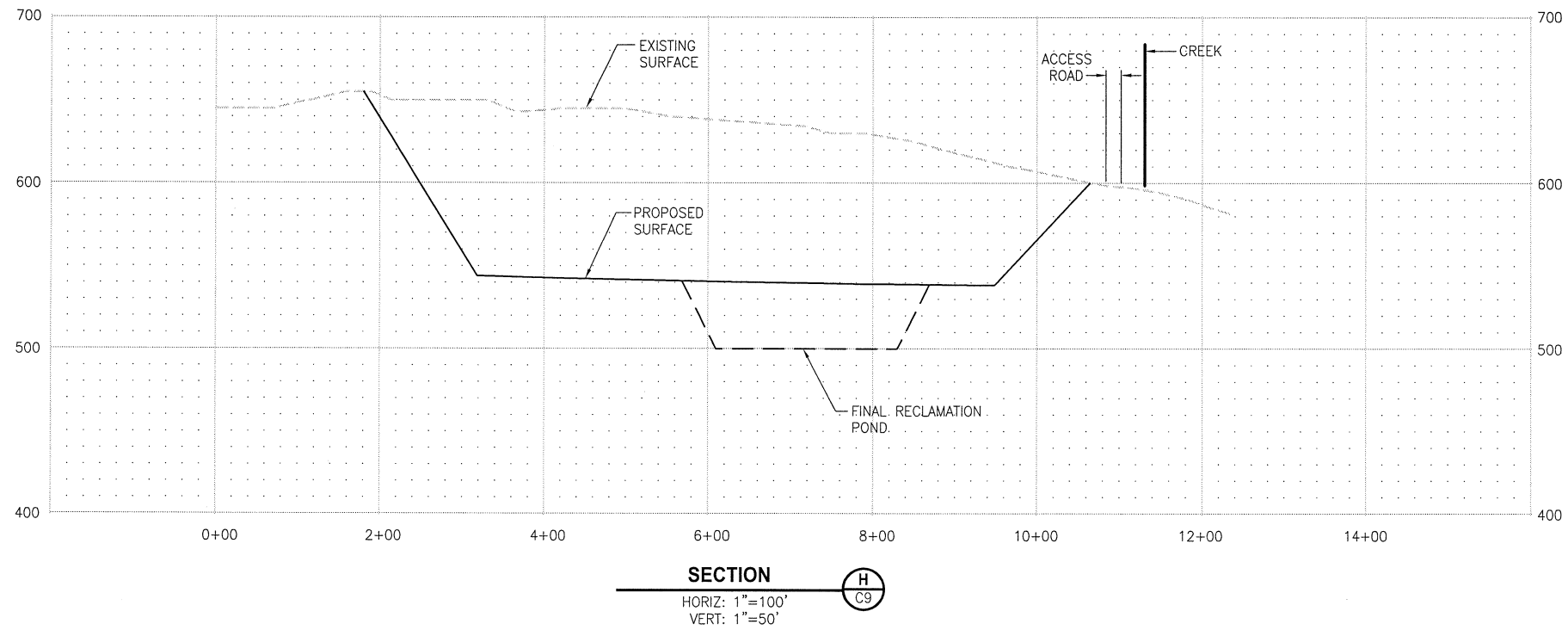
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 IF NOT, SCALE ACCORDINGLY  
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 JOB No. 233-5528-001 (02.10.2)  
 DATE: SEPTEMBER 2007

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PROJECT NAME  
**UELAND TREE FARM  
 KITSAP LAKE  
 MINERAL RESOURCE DEVELOPMENT**  
 KITSAP COUNTY, WASHINGTON

**BASALT QUARRY "B"  
 PLAN**

DRAWING NO.  
 11 OF 17  
**C9**



NOTE: BASALT ROCK EXCAVATION VOL = 2,141,000 CY (3,212,000 T)

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DATE: Sep 13, 2007 8:17am PLOTTED BY: stockvon XREF'S: XBR5528001P0210C4\_R-A1 | XBR5528001P0210PR\_R-A1

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			APPROVED

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 IF NOT, SCALE ACCORDINGLY  
 FILE NAME  
 BR5528001P0210C4\_R-A1  
 JOB No.  
 233-5528-001 (02.10.2)  
 DATE  
 SEPTEMBER 2007

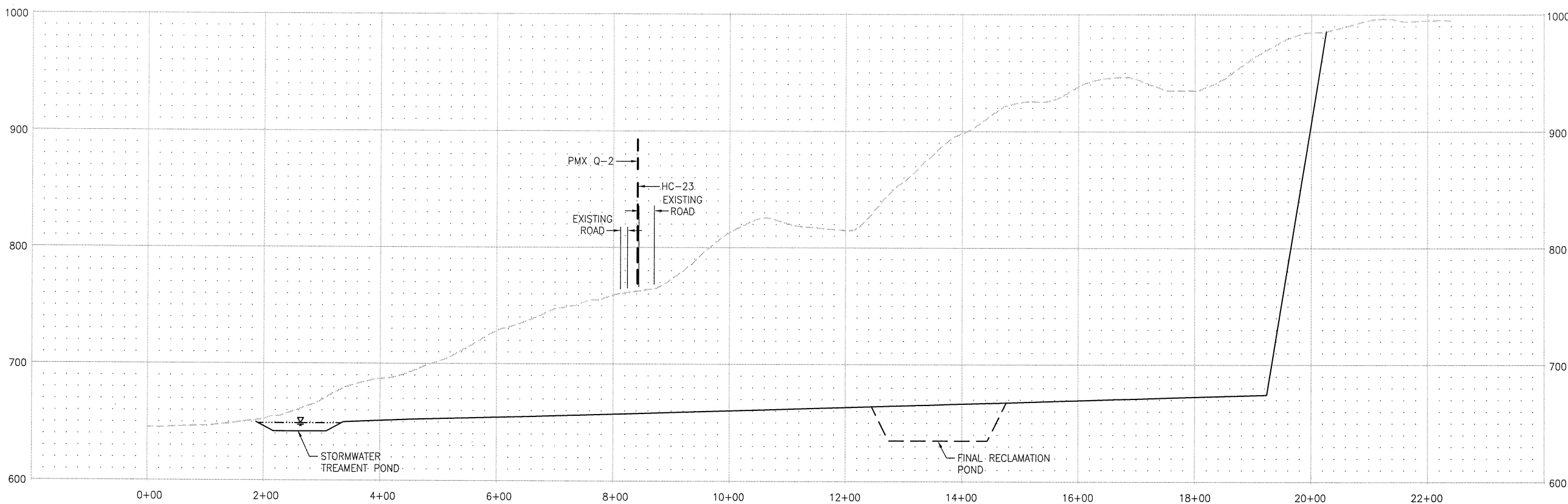
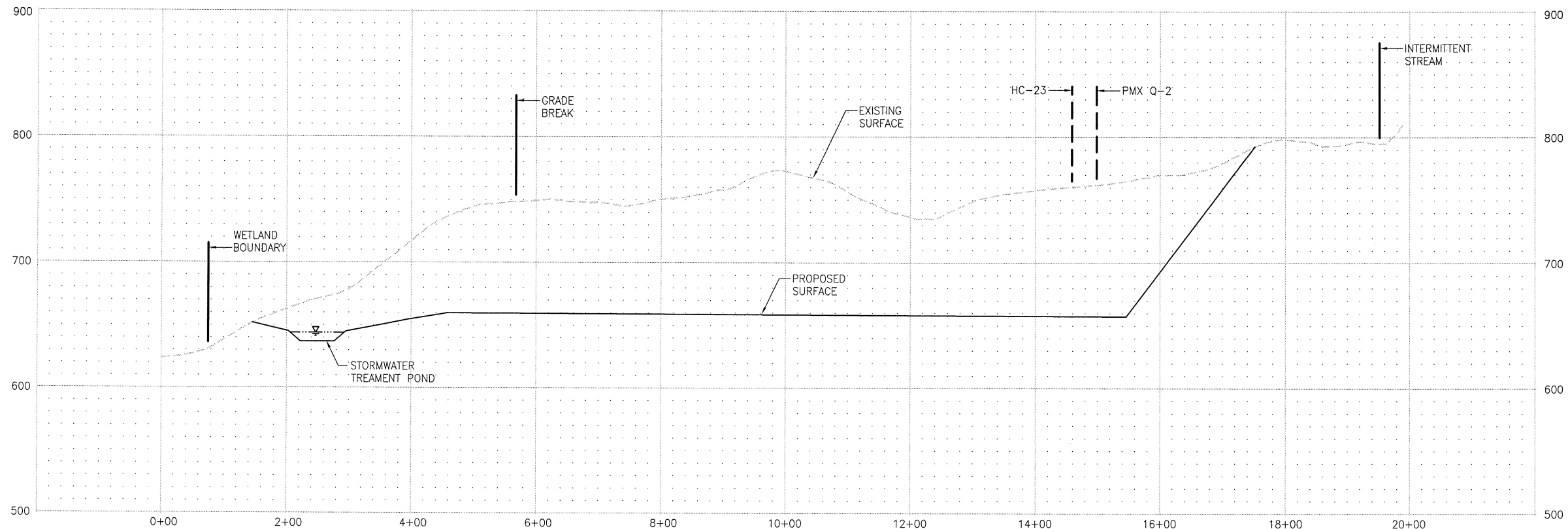
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PROJECT NAME  
**UELAND TREE FARM  
 KITSAP LAKE  
 MINERAL RESOURCE DEVELOPMENT**  
 KITSAP COUNTY, WASHINGTON

**BASALT QUARRY "B"  
 SECTIONS**

DRAWING NO.  
 12 OF 17  
**C10**





NOTE: BASALT ROCK EXTRACTION VOL = 9,054,000 CY (13,580,000 T)

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			CHECKED
			APPROVED

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 FILE NAME: BR5528001P02T10C4\_R-A1  
 JOB No: 233-5528-001 (02,10,2)  
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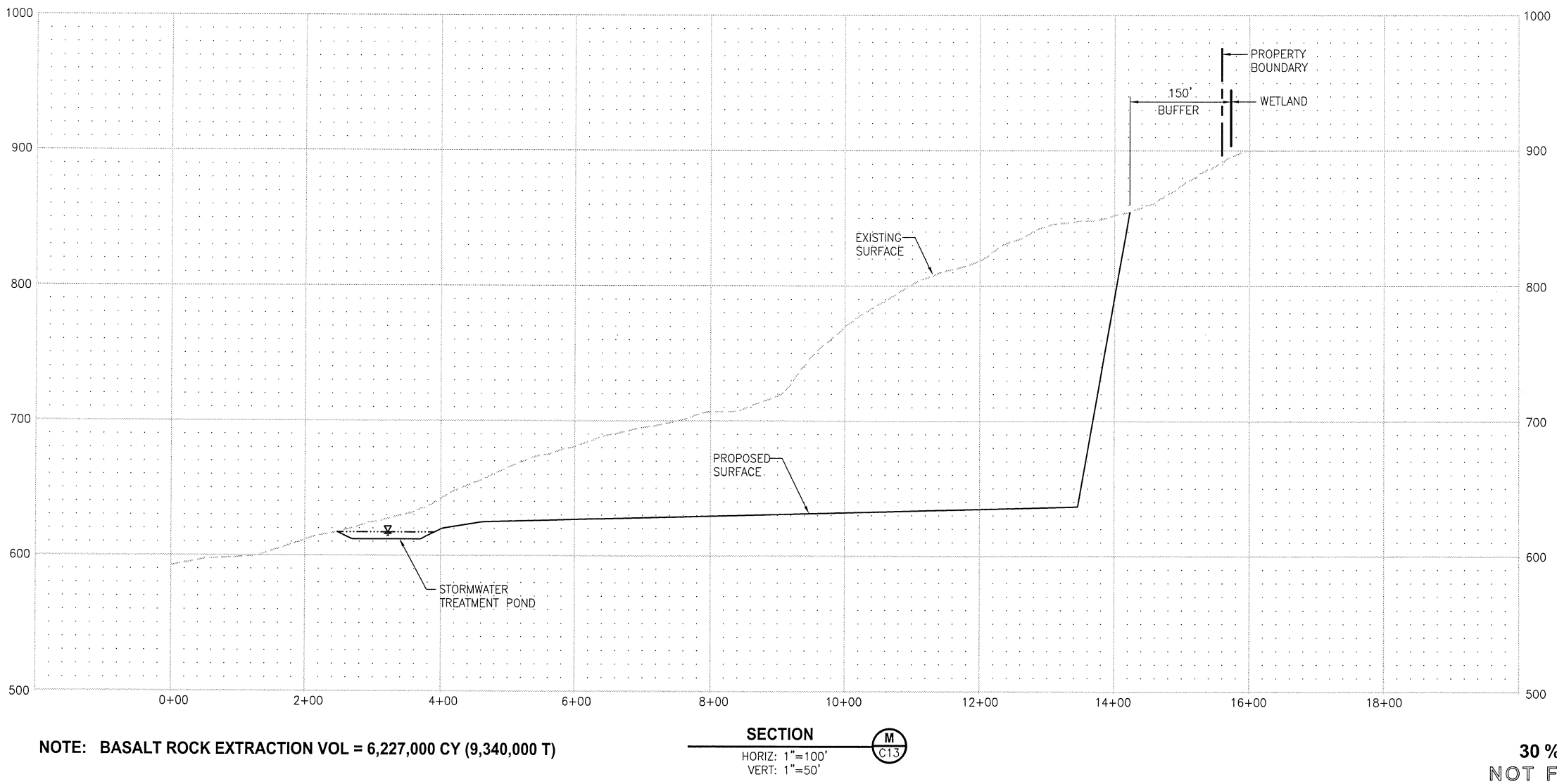
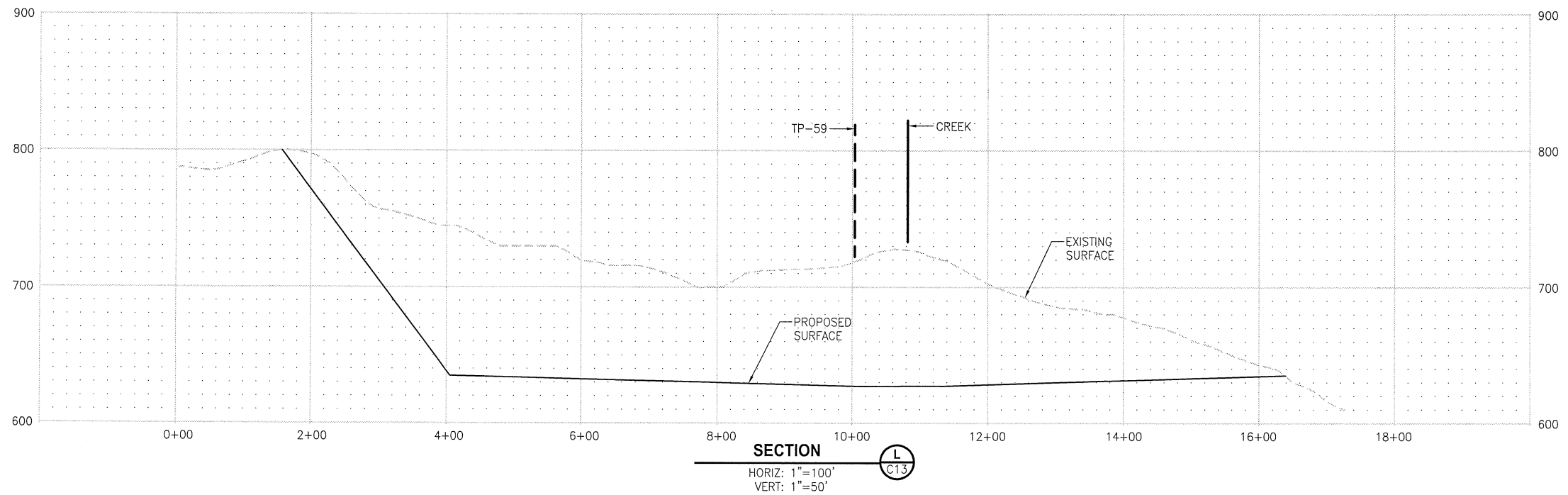
PROJECT NAME  
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 MINERAL RESOURCE DEVELOPMENT**  
 KITSAP COUNTY, WASHINGTON

**BASALT QUARRY "C"  
 SECTIONS**

DRAWING NO.  
 14 OF 17  
**C12**



DATE: Sep 13, 2007 -- 8:18am PLOTTED BY: stockvon  
 IMAGES: XREF: S: XBR5528001P02T10B\_R-A1 | XBR5528001P02T10PR\_R-A1



NOTE: BASALT ROCK EXTRACTION VOL = 6,227,000 CY (9,340,000 T)

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 FILE NAME: BR5528001P02T10C4\_R-A1  
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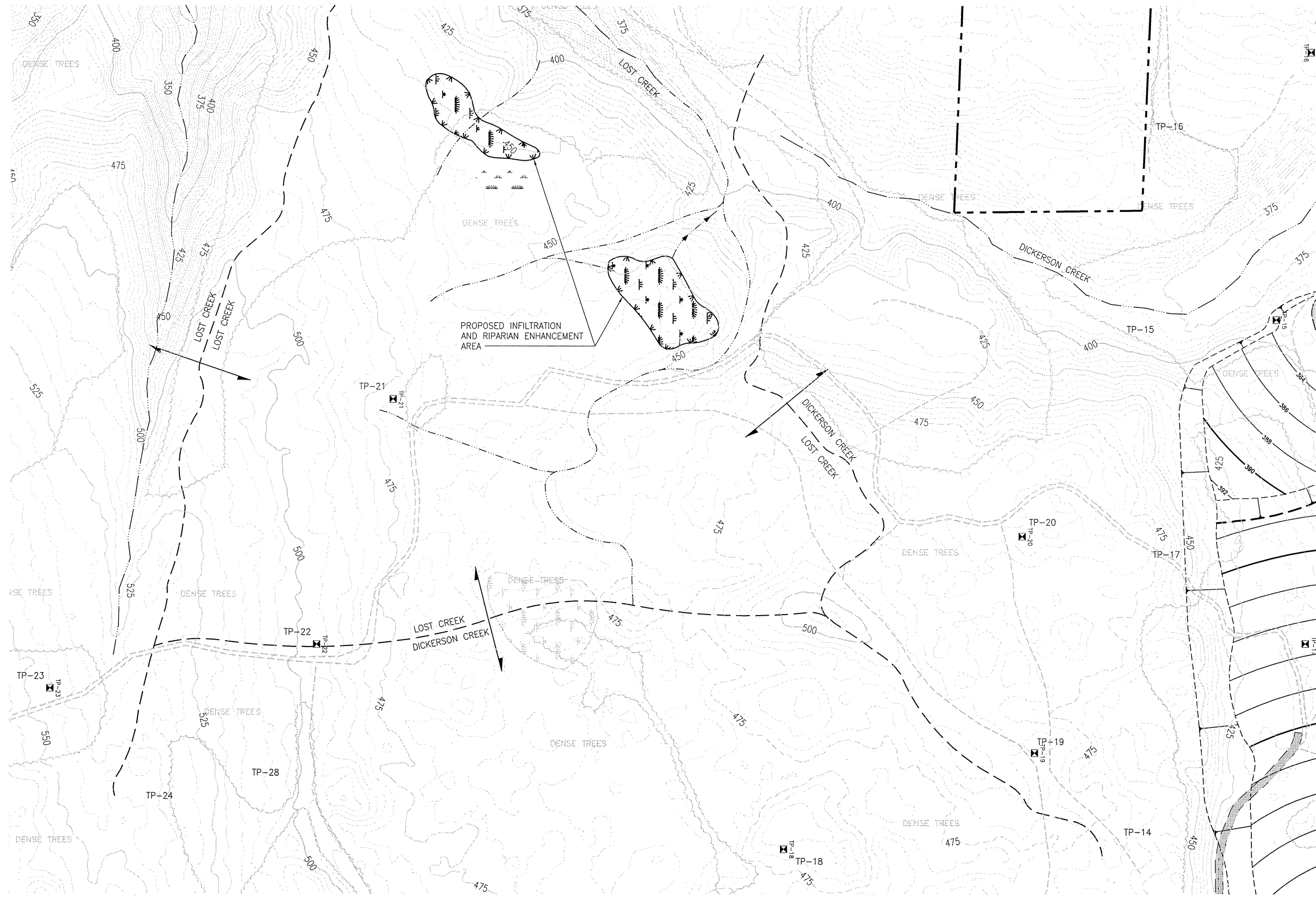
PROJECT NAME  
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 KITSAP LAKE  
 MINERAL RESOURCE DEVELOPMENT**  
 KITSAP COUNTY, WASHINGTON

**RESERVE BASALT QUARRY "D"  
 SECTIONS**

DRAWING NO.  
 16 OF 17  
**C14**



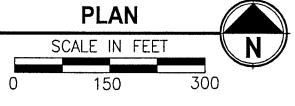
DATE: Sep 12, 2007 - 5:33pm PLOTTED BY: stockvon  
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- LEGEND**
- PROPERTY BOUNDARY
  - MINE BOUNDARY
  - PARCEL BOUNDARY
  - WETLAND AREA
  - CONSTRUCTED WETLAND AREA
  - EXISTING ROAD
  - HAUL ROAD
  - PROPOSED GRAVEL ACCESS ROAD
  - EXISTING CONTOUR
  - PROPOSED CONTOUR
  - STREAM
  - PROPOSED DITCH
  - INTERMITTENT, NON-REGULATED DRAINAGE CHANNEL
  - HYDROLOGIC BOUNDARY

**NOTES**

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REVISIONS	DATE	BY	DESIGNED
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PROJECT NAME  
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 KITSAP LAKE  
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 KITSAP COUNTY, WASHINGTON

**MITIGATION AND  
 ENHANCEMENT AREA PLAN**

DRAWING NO.  
 17 OF 17  
**C15**