

LEGEND

- HYPISOGRAPHIC CONTOURS WITH ELEVATION INDEX
- TEST PIT, TEST HOLE (YEAR 1993, No. 02)
- TREE, SPOT ELEVATION
- GATE POST, CULVERT
- AERIAL UTILITY POLE, LAMP STANDARD
- EDGE OF LAKE, RIVER
- GRAVEL ROAD
- PAVED ROAD, HIGHWAY
- TRAIL
- DISTRICT LOT BOUNDARY
- PARCEL BOUNDARY
- RESERVE BOUNDARY
- SURVEY BOUNDARY
- ROAD SHOULDER
- FENCE
- BUILDINGS

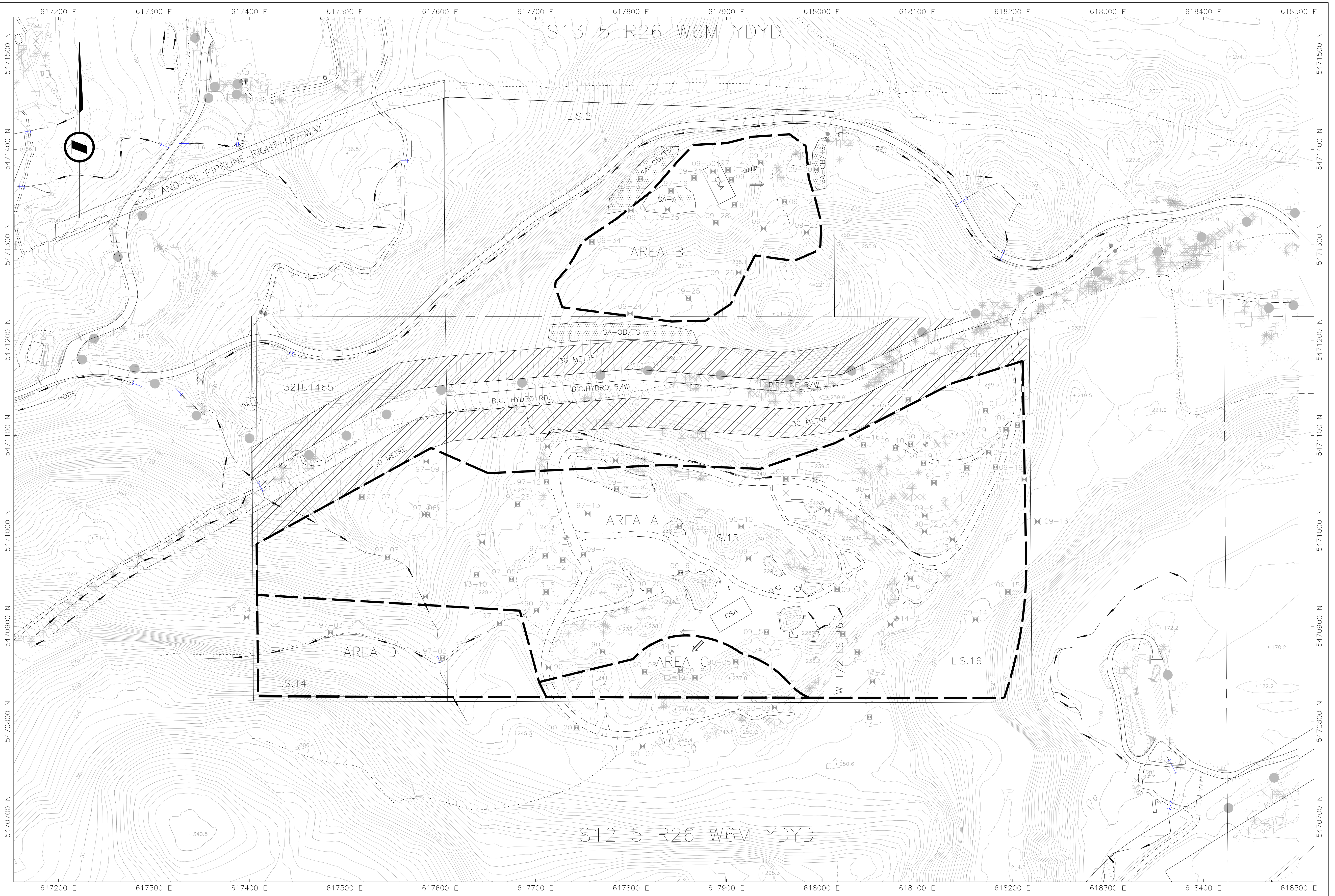
- CRUSHER SETUP AREA
- DEVELOPMENT DIRECTION
- BUFFER AREA
- STOCKPILE AREA:
SA-A = AGGREGATE
SA-OB = OVERBURDEN
SA-TS = TOPSOIL
SA-RJ = REJECT
SA-DEB = DEBRIS
- EXISTING STOCKPILE:
STPL-A (Type) = AGGREGATE
STPL-OB = OVERBURDEN
STPL-TS = TOPSOIL
STPL-RJ (Type) = REJECT
STPL-DEB = DEBRIS

- GENERAL NOTES**
- Coordinates are UTM Zone 9 NAD 83.
 - Lot boundaries are approximate.
 - Survey date: 2017-05-02 (Aero Geometrics)

- MINING NOTES**
- General:**
- Development areas are based on sampling completed to a 5-6 metre depth. Once these thicknesses have been extracted re-evaluation of material quality will be required.
 - A minimum 2 metre cleared, grubbed and stripped zone is to be maintained above all active pit faces.
 - All pit development slopes will be 1.5 H to 1.0 V.
 - All final reclamation slopes will be 2.0 H to 1.0 V.
 - The pit is to be developed in accordance with: Health, Safety and Reclamation Code for Mines in B.C., Reclamation and Environmental Protection Handbook for Sand, Gravel and Quarry Operations in B.C., Aggregate Operators Best Management Practices Handbook for B.C.
 - For material extractions in excess of 1000 m³ a Sand and Gravel/Quarry Operations Notice of Work form (H1258) must be sent to the Ministry of Energy and Mines minimum 14 days prior to commencement of operations.
 - The dumping of off-site soils, overburden or road building debris is not permitted.
 - A 30 meter buffer zone with 2H and 1V sloping left between pipeline R/W and pit operations.
 - An H1263 Gravel/Aggregate Usage Report must be completed and submitted to the Aggregate Resource Manager for all pit run and crushed materials used or produced.
- Development Area "A":**
- Selective mining and the use of a primary crusher is required.
 - Pit will be developed in benches at elevations 254, 248, 242, 236, 230, 224, 218, 212 and 206.
 - For production of MAM, addition of a fine blend sand may be required.
 - Temporary safety berms constructed above the lower pit face shall be composed of clean pit run materials.
- Development Area "B":**
- Minor clean up of pit floor for set up is required.
 - Selective mining and the use of a primary crusher is required.

APPROVED USAGE

| AREA | PIT RUN | SCSB | WGB (mm) | | | PAVING | | | HFSA | WAB |
|------|---------|------|----------|----|----|--------|-----|-------|------|--------------------------------------|
| | | | 25 | 50 | 75 | MAM | CAM | SUPER | | |
| A | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | ✓ |
| B | ✓ | ✓ | ✓ | | | ✓ | | | | ✓ |
| C | | | | | | | | | ✓ | |
| D | | | | | | | | | | Quarry potential yet to be evaluated |



INFORMATION PROVIDED HEREIN IS INTENDED TO BE USED BY THE MINISTRY OF TRANSPORTATION & INFRASTRUCTURE IN CONJUNCTION WITH ALL OTHER DATA RELEVANT TO THE SITE. THE SOIL AND GROUND WATER CONDITIONS SHOWN ARE REPRESENTATIVE AT THE TEST HOLE LOCATIONS ON THE DATES INDICATED. CONDITIONS ARE SUBJECT TO CHANGE WITH TIME. THE MINISTRY OF TRANSPORTATION & INFRASTRUCTURE SHALL NOT BE HELD LIABLE FOR ANY CLAIMS OR ACTIONS ARISING FROM THE USE OR INTERPRETATION OF THE DATA HEREIN PROVIDED.

DRAFTING BY:

SCALE: 0 1:2000 100

| REV. | DATE | REVISIONS | INITIALS |
|------|------|-----------|----------|
| | | | |

Ministry of Transportation and Infrastructure
Geotechnical and Materials Engineering

CAD FILE: PDP0235.DWG
PDF: PDP0235.PDF
NEGATIVE: -

DESIGNED: TL DATE: 2018-01-08
DRAWN: IWTS DATE: 2018-01-08
CHECKED: TL DATE: 2018-01-08

H1 MISC AREAS FROM CHILLIWACK TO YALE TUNNEL
OTHELLO PIT #0235
PIT DEVELOPMENT PLAN

| | | | |
|------------------|---------------------------|----------|------------------|
| FILE No. 0235 | PROJECT No. 12811-2018 | REG 1 | DRAWING No. - |
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CANCEL PRINTS BEARING PREVIOUS LETTER