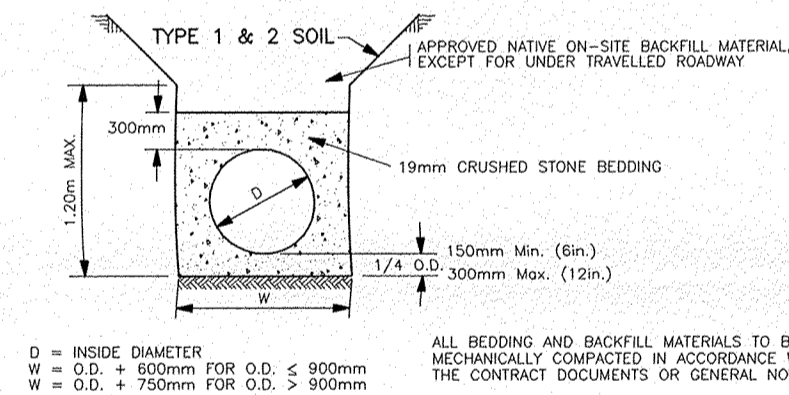
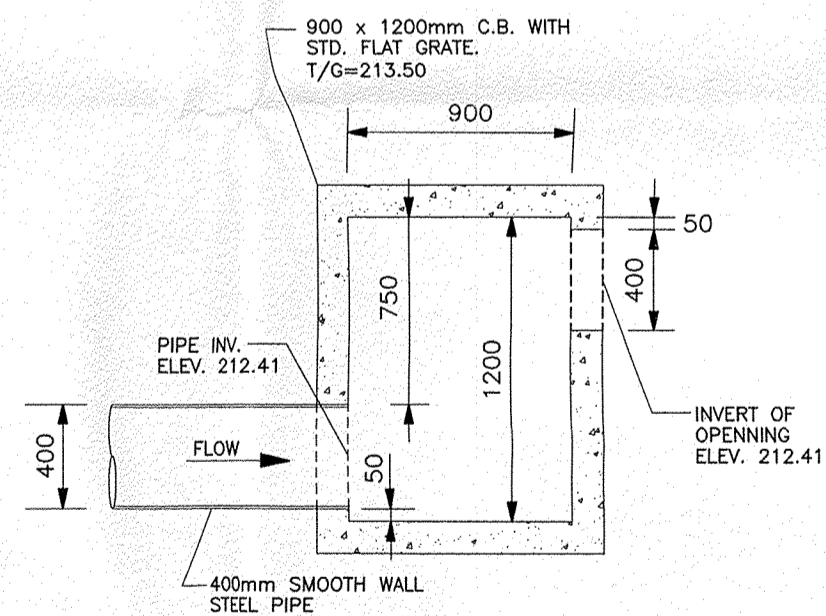


PROPOSED OUTLET PROFILE



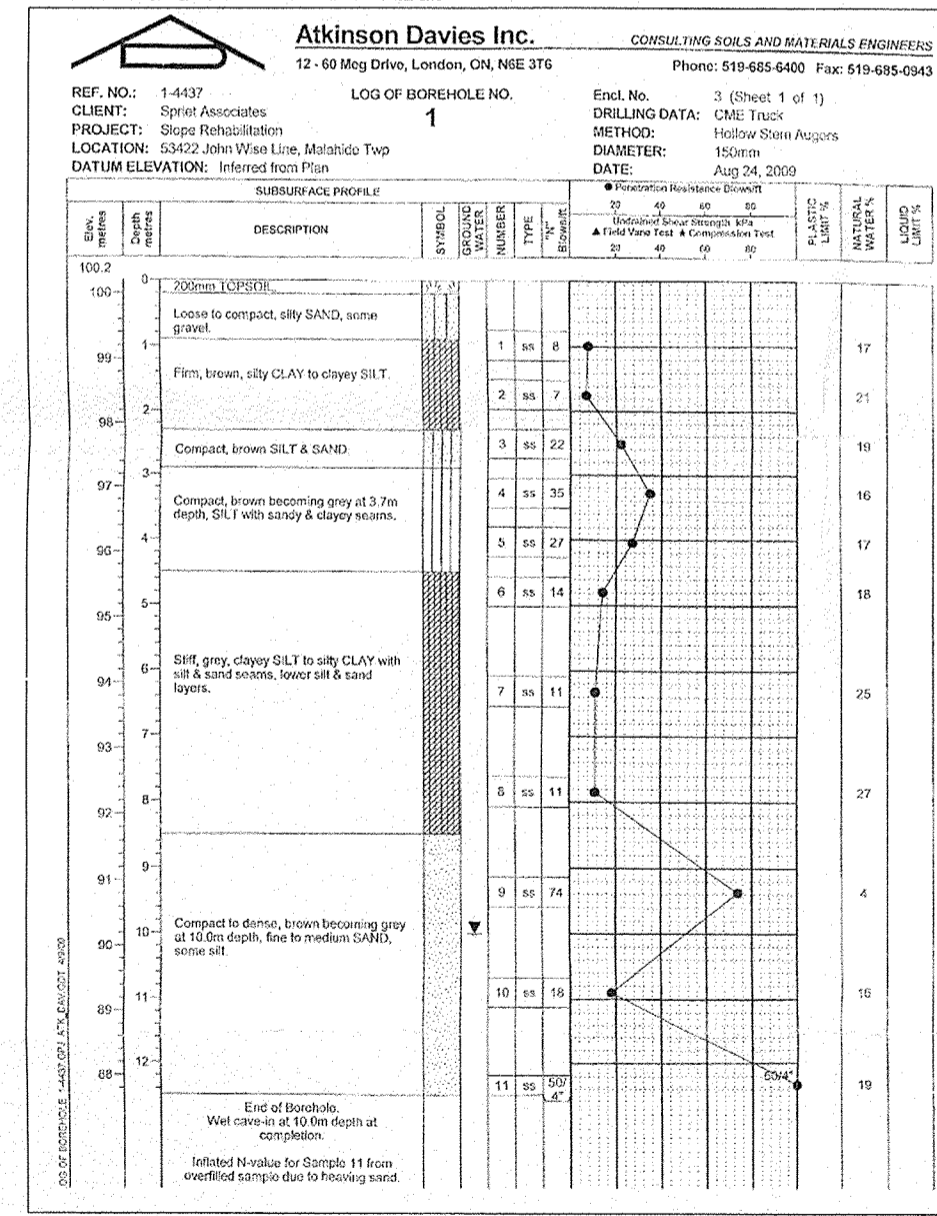
BEDDING DETAIL FOR FLEXIBLE SEWER PIPE
SCALE: N.T.S.



DETAIL "A" PLAN VIEW
SCALE: 1:50

JOHN WISE LINE OPEN CUT CROSSINGS

- TRENCH BACKFILL ABOVE AND AROUND PIPE TO BE GRANULAR 'B' TO 90% PROCTOR DENSITY. ALL GRANULAR TO BE COMPACTED WITH HOEFRACK (NO EXCEPTIONS)
- ROAD BASE SHALL CONSIST OF 300mm GRANULAR 'B' & 150mm GRANULAR 'A'.
- CONTRACTOR TO INSTALL ROAD CLOSED SIGNS DURING OPEN CUT OF JOHN WISE LINE. SIGNS TO BE INSTALLED AT BOTH INTERSECTIONS AND ON EACH SIDE OF OPEN CUT.
- CONTRACTOR TO GIVE ROAD SUPERINTENDENT 48 HOUR NOTICE BEFORE OPEN CUT BEGINS
- ALL PAYMENT EDGES TO BE SAUCUT PRIOR TO PAVEMENT RESTORATION. TOWNSHIP OF MALAHIDE TO REPAVE IN 2010.



BORE HOLE LOG

GENERAL NOTES

- OUR SPECIFICATIONS DATED JANUARY 2009 APPLY TO THIS PROJECT.
- ALL UTILITIES TO BE LOCATED PRIOR TO CONSTRUCTION.
- ALL TREES, BRUSH, ETC. TO BE CLEARED, GRUBBED AND DISPOSED OF AS REQUIRED TO ALLOW INSTALLATION OF DRAIN & REPAIR OF SIDE SLOPE.
- RIP-RAP TO BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH WITH NOTE ON THE PROFILE.
- CONTRACTOR TO ARRANGE A PRE-CONSTRUCTION MEETING WITH THE ENGINEER, ROAD & DRAINAGE SUPERINTENDENT, AND THE AFFECTED OWNERS. ALL PARTIES SHALL RECEIVE 48 HOURS NOTICE TO THE MEETING.
- PLASTIC SEWER PIPE SHALL BE BIG "O" "POLY-TITE" OR APPROVED EQUALS.
- MANHOLE TO BE 1200mm DIA. PRECAST CONCRETE IN ACCORDANCE WITH OPSD 101. 010 WITH FRAME & COVER TYPE OPSD 400. 020. a) CATCHBASIN LEAD TO BE CONNECTED TO THE NEW DRAIN WITH PRE-FABRICATED "TEE".
- RESTORATION OF LAWN AREAS SHALL BE IN ACCORDANCE WITH SECTIONS A, 31 AND C. 10' IN THE SPECIFICATION.
- SAND FOR FILLING OF RAVINE IS AVAILABLE AT A COMMERCIAL PIT LOCATED ON RICHMOND ROAD 2.1 km NORTH OF THE SITE. VOLUME OF FILL TO BE IMPORTED - 3300m³.
- BACKFILLED PORTION OF THE RAVINE TO BE RESTORED WITH 100mm OF TOPSOIL SUPPLIED BY THE TOWNSHIP AND BE HYDRO SEEDDED WITH THE FOLLOWING BANK STABILIZATION MIXTURE:
10% WHITE CLOVER
15% PASTA PERENNIAL RYEGRASS
25% TALL FESCUE
15% CREEPING RED FESCUE
10% CHEWING FESCUE
15% TIMOTHY
10% DORMIE KENTUCKY BLUEGRASS
PLUS CROWN VETCH (25% TOTAL WEIGHT)
RATE OF APPLICATION TO BE 1kg/100m² (100KG/HA)
- EROSION CONTROL BLANKET NORTH AMERICAN GREEN (NAGJ) 515 OR APPROVED EQUAL TO BE INSTALLED ON NEW RAVINE SLOPES AFTER THE APPLICATION OF HYDRO SEED. BLANKET AREA REQUIRED - 1500m².

AS CONSTRUCTED NOTES	COMPLETION	DESIGN	No.	REVISIONS	DATE	BY
		DESIGN: J.R.S.				
		DRAWN: J.D.A.				
		CHECKED: J.R.S.				
		APPROVED: J.R.S.				
		DATE: OCT. 9, 2009				

CONSULTANT

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ENGR'S STAMP

REGISTERED PROFESSIONAL ENGINEER
J.R. SPRIET
PROVINCE OF ONTARIO

CLIENT

THE TOWNSHIP OF MALAHIDE

SCALE 1 : 100

TITLE

**JOHN WISE LINE DRAIN
SLOPE REHABILITATION
NEW PIPE PROFILE**

Project No. 209098
Sheet No. 2 of 2
Plan File No.