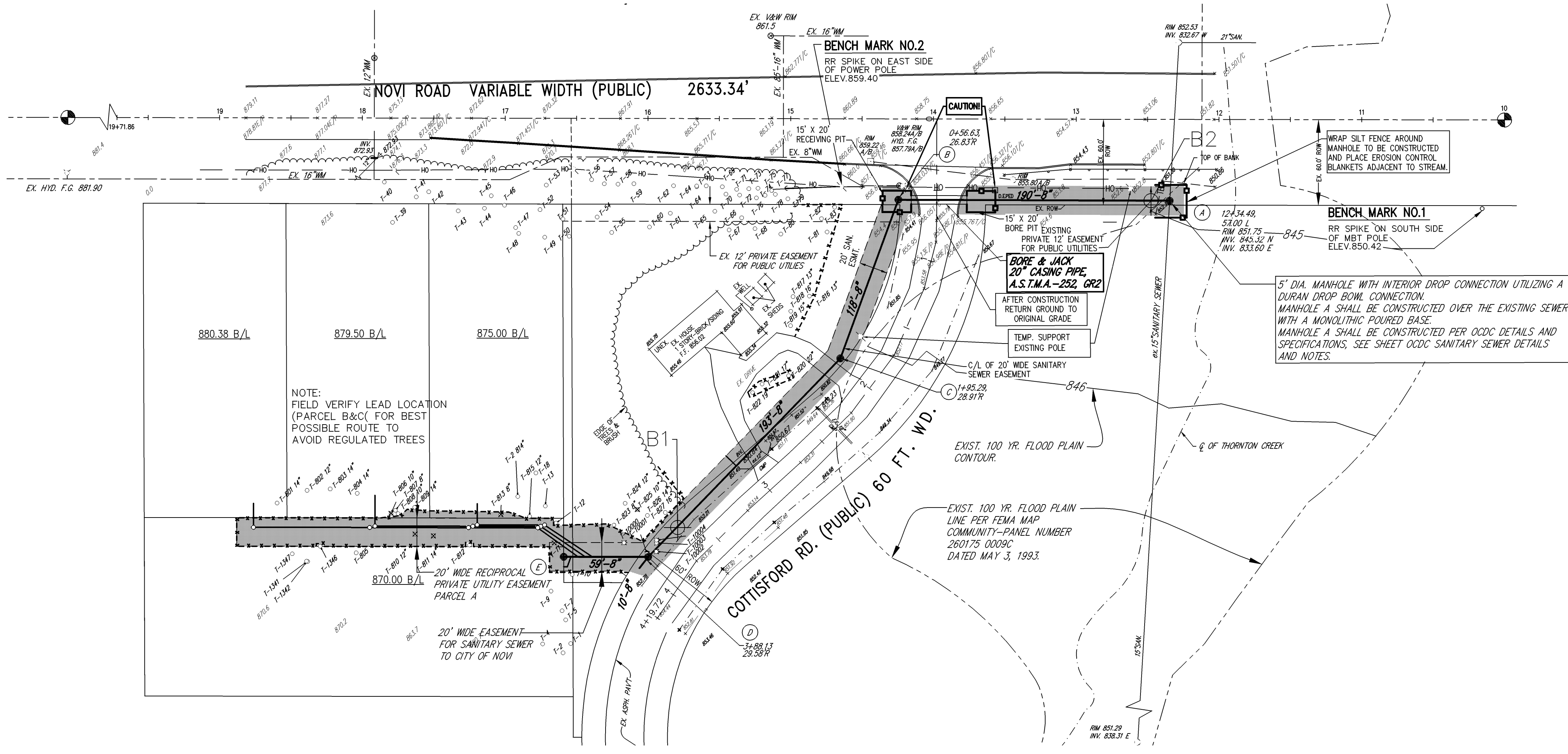
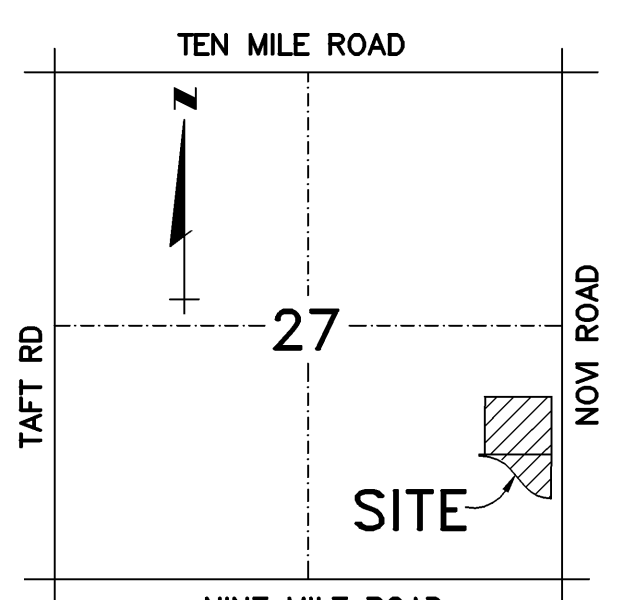




- SEQUENCE OF CONSTRUCTION FOR SOIL EROSION CONTROL**
1. INSTALL SILT FENCE, BLANKETS, AND DITCH SUMP/CHECK DAMS
 2. CLEAR AND GRUB
 3. INSTALL SANITARY SEWER
 4. FINISH GRADE, REDISTRIBUTE TOPSOIL, AND ESTABLISH VEGETATION ON ALL DISTURBED GROUND AREAS
 5. REMOVE SOIL EROSION CONTROL MEASURES AFTER PERMANENT VEGETATION HAS BEEN ESTABLISHED.
- SOIL EROSION NOTES:**
THE CONTRACTOR IS RESPONSIBLE FOR:
1. COMPLIANCE WITH PART 91, P.A. 451 OF 1994, CHAPTER 29 CITY OF NOV CODE OF ORDINANCES AND THE CITY OF NOV APA MANUAL.
2. THE CONTRACTOR MUST HAVE A FILTER BAG SYSTEM IN PLACE PRIOR TO DEWATERING
3. STREET SWEEPING AND DUST CONTROL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
4. SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND STABILIZATION OF SOIL SHALL BE MAINTAINED DURING CONSTRUCTION.
5. VEGETATION SHALL BE ESTABLISHED WITHIN 5 DAYS OF FINAL GRADE, OR WHENEVER DISTURBED AREAS WILL REMAIN UNCHANGED FOR 30 DAYS OR GREATER. 3"-4" OF TOP SOIL WILL BE USED WHERE VEGETATION IS REQUIRED.
6. A DEWATERING PLAN WILL BE PROVIDED BY THE CONTRACTOR FOR APPROVAL BY THE CITY OF NOV ENGINEERING DEPARTMENT.
7. THE CONTRACTOR ESTIMATES ONE WEEK FOR SANITARY SEWER INSTALLATION, AND ONE WEEK FOR RESTORATION OF DISTURBED AREAS, FOR A TOTAL OF TWO WEEKS OF EARTH DISTURBANCE.
8. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS REQUIRED TO DIG A SUMP IN THE DITCH AT TO THE UPSTREAM END (NORTH SIDE) OF THE CULVERT UNDER COTTISFORD ROAD. CHECK DAMS IN THE DITCH ON BOTH SIDES (EAST & WEST) OF THE UPSTREAM CULVERT MAY BE SUBSTITUTED FOR THE SUMP.
9. ALL DRAINAGE DITCHES SHALL BE STABILIZED WITH EROSION CONTROL BLANKETS AND SHALL UTILIZE CHECK DAMS AS NECESSARY. DRAINAGE DITCHES STEEPER THAN 3% SHALL BE SODDED.
10. THE CONTRACTOR IS TO PROVIDE SILT FENCE AROUND THE BORE PITS AS NECESSARY. THE SILT FENCE IS TO BE ADJUSTED AS NECESSARY THROUGHOUT CONSTRUCTION.
11. SLOPES STEEPER THAN 1 ON 6 SHALL BE STABILIZED WITH EROSION CONTROL BLANKETS. THIS IS TO BE FIELD CHECKED PRIOR TO CONSTRUCTION.
12. ALL CULVERTS THAT ARE REMOVED OR REPLACED MUST CONTAIN GROUTED RIP RAP IN ACCORDANCE WITH ORDINANCE SPECIFICATIONS.

ASH TREE REMOVAL (ZERO REPLACEMENTS REQUIRED)

TREE NO.	DIA (F.M.)	CONDITION
10000	7"	DEAD
10001	12"	DEAD
10002	13"	DEAD
10003	18"	DEAD
10004	13"	DEAD



LOCATION MAP
NO SCALE

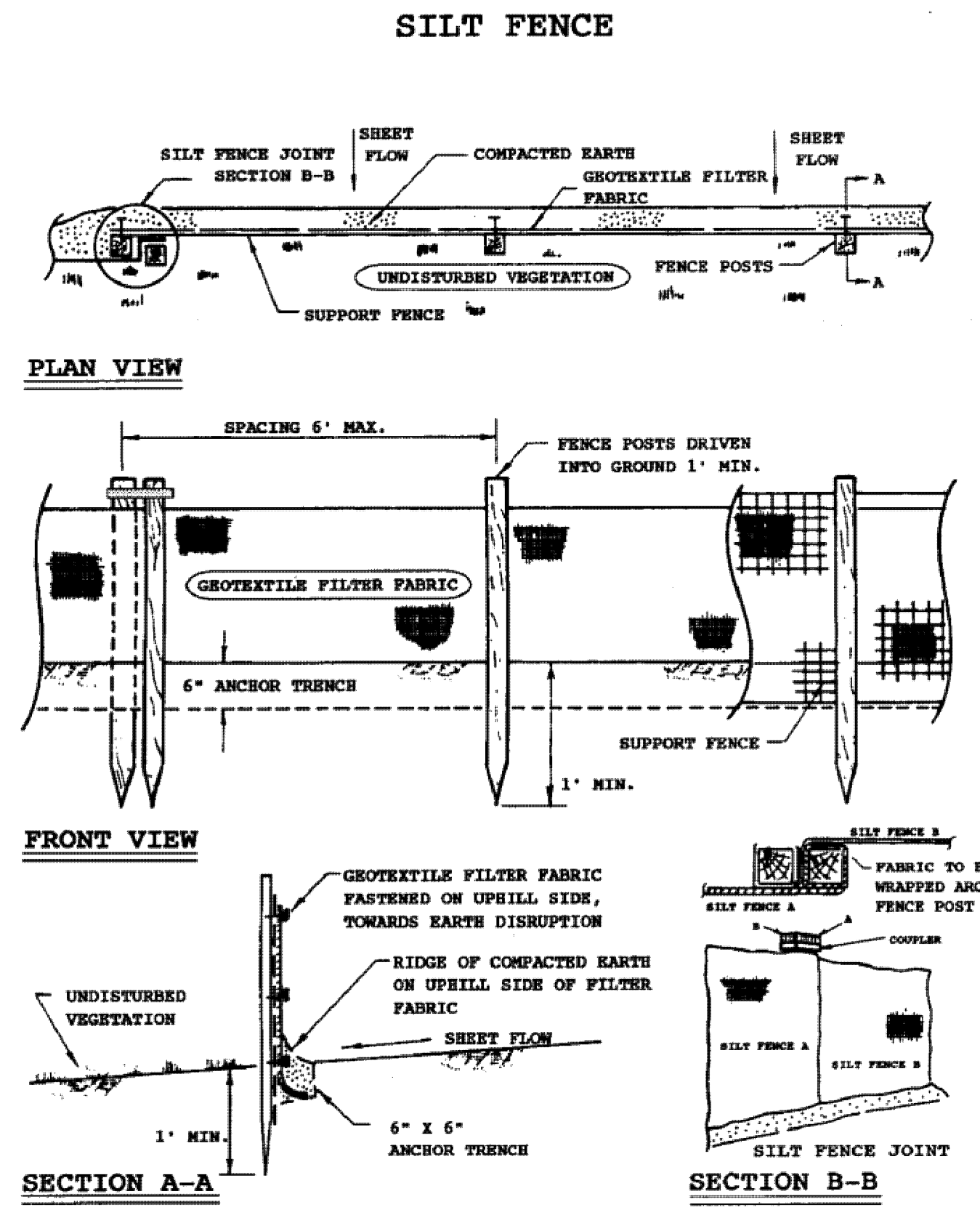
LEGEND

PROPOSED	DESCRIPTION	EXISTING
○	DRAINAGE STRUCTURE (SAND COVER)	○
○	DRAINAGE STRUCTURE (BENTON COVER)	○
○	DRAINAGE STRUCTURE (SLOTTED COVER)	○
○	DRAINAGE STRUCTURE (SUMP STRUCTURE)	○
○	DRAINAGE STRUCTURE (CATCH BASIN)	○
●	SANITARY SEWER MANHOLE	○
○	GATE WELL	○
○	HYDRANT	○
○	POWER POLE	○
○	SIGN	○
○	LIGHT POLE	○
—	SANITARY SEWER	—
—	STORM SEWER	—
—	WATER MAIN	—
—	DRAIN	—
0.12	SPOT ELEVATIONS	0.12
—	WOODS	—
—	OVERHEAD WIRES	—
○	EX. TREE	○
■	TREE TO BE REMOVED	■
—	SILT FENCE	—
—	FEMA FLOOD PLAIN BOUNDARY	—
—	TREE PROTECTION FENCE	—

LIMITS OF CONSTRUCTION & TEMPORARY DISTURBANCE AREA TO BE STABILIZED WITH SEED & MULCH - 0.38 AC.

BENCH MARK NO.1
RR SPIKE ON SOUTH SIDE OF MBT POLE
ELEV. 850.42

BENCH MARK NO.2
RR SPIKE ON EAST SIDE OF POWER POLE
ELEV. 859.40



SOIL BORING B1

DATE: 8-09-05

LOG OF SOIL BORING NO. 1

PROJECT: Proposed Sanitary Sewer

LOCATION: Cottisford Drive and New Road

DEPTH (FEET)	SOIL DESCRIPTION	WATER LEVEL (FEET)	WATER TEMPERATURE (°F)	WATER pH	WATER TDS (PPM)
0.0	Model dark brown silty fine sandy TOPSOIL with trace of vegetation	1.0	60.0	7.5	150
1.0	Compact moist brown silty fine SAND with trace of vegetation and pebbles	1.5	60.0	7.5	150
2.0	Extremely compact moist brown clayey fine SAND with pebbles, occasional roots and stones, trace of vegetation and silt	2.5	60.0	7.5	150
3.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	3.5	60.0	7.5	150
4.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	4.5	60.0	7.5	150
5.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	5.5	60.0	7.5	150
6.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	6.5	60.0	7.5	150
7.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	7.5	60.0	7.5	150
8.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	8.5	60.0	7.5	150
9.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	9.5	60.0	7.5	150
10.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	10.5	60.0	7.5	150
11.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	11.5	60.0	7.5	150
12.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	12.5	60.0	7.5	150
13.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	13.5	60.0	7.5	150
14.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	14.5	60.0	7.5	150
15.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	15.5	60.0	7.5	150
16.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	16.5	60.0	7.5	150
17.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	17.5	60.0	7.5	150
18.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	18.5	60.0	7.5	150
19.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	19.5	60.0	7.5	150
20.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	20.5	60.0	7.5	150
21.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	21.5	60.0	7.5	150
22.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	22.5	60.0	7.5	150
23.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	23.5	60.0	7.5	150
24.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	24.5	60.0	7.5	150
25.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	25.5	60.0	7.5	150

SOIL BORING B2

DATE: 8-09-05

LOG OF SOIL BORING NO. 2

PROJECT: Proposed Sanitary Sewer

LOCATION: Cottisford Drive and New Road

DEPTH (FEET)	SOIL DESCRIPTION	WATER LEVEL (FEET)	WATER TEMPERATURE (°F)	WATER pH	WATER TDS (PPM)
0.0	Model dark brown silty fine sandy TOPSOIL with trace of vegetation	1.0	60.0	7.5	150
1.0	Compact moist brown silty fine SAND with trace of vegetation and pebbles	1.5	60.0	7.5	150
2.0	Extremely compact moist brown clayey fine SAND with pebbles, occasional roots and stones, trace of vegetation and silt	2.5	60.0	7.5	150
3.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	3.5	60.0	7.5	150
4.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	4.5	60.0	7.5	150
5.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	5.5	60.0	7.5	150
6.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	6.5	60.0	7.5	150
7.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	7.5	60.0	7.5	150
8.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	8.5	60.0	7.5	150
9.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	9.5	60.0	7.5	150
10.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	10.5	60.0	7.5	150
11.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	11.5	60.0	7.5	150
12.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	12.5	60.0	7.5	150
13.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	13.5	60.0	7.5	150
14.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	14.5	60.0	7.5	150
15.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	15.5	60.0	7.5	150
16.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	16.5	60.0	7.5	150
17.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	17.5	60.0	7.5	150
18.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	18.5	60.0	7.5	150
19.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	19.5	60.0	7.5	150
20.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	20.5	60.0	7.5	150
21.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	21.5	60.0	7.5	150
22.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	22.5	60.0	7.5	150
23.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	23.5	60.0	7.5	150
24.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	24.5	60.0	7.5	150
25.0	Extremely compact moist brown silty clayey fine SAND with pebbles and occasional stones	25.5	60.0	7.5	150

SOIL BORING B1

SOIL BORING B2

THIS PLAN IS FOR SOIL EROSION AND SEDIMENTATION CONTROL ONLY AND IS NOT TO BE USED FOR CONSTRUCTION OF THE PROJECT.

SOIL EROSION AND SEDIMENTATION CONTROL PLAN

FOR:
MR. JIM SEBA
28818 GREENING
FARMINGTON HILLS, MI 48334
(248) 640-4314

REVISIONS:

REV.	DATE	DESCRIPTION
01	07/28/2005	PER TWP.
02	08/15/2005	PER CITY
03	07/14/2006	PER CITY
04	08/14/2006	PER CITY
05	10/11/2006	PER CITY
06	10/30/2006	PER CITY

AS BUILT

NOVI ROAD
PART OF S.E. 1/4 OF SECTION 27 T.1 N., R.8 E.,
CITY OF NOV
OAKLAND COUNTY, MICHIGAN

WARNER, CANTRELL & PADMOS, INC.
CIVIL ENGINEERS & LAND SURVEYORS
27300 Haggerty Road, Suite P2
Farmington Hills, MI 48331
(248) 848-1886

PLOT FILE : 041105 uhl-sanitary 101905-02 SOL EROSION CONTROL.PLT

JOB NO. : 20041105

SCALE : HORIZ. 1" = 50'
VERT. 1" = 5'

DATUM : U.S.G.S.

SHEET 2 OF 2