



NOTE:
SEE SHEET 2 OF 3
FOR PROPOSED GRADE
FROM GLENARRY DRIVE NORTH



Scale: 1" = 50'
1' contour interval (existing)
2' contour interval (proposed)
No. 6 soil boring location

NOTE:
SEE SHEET 3 OF 3
FOR PROPOSED GRADES
WEST OF THIS AREA

PLACE TOPSOIL BERM
ALONG EASTERLY SIDE
OF CREEK

NOTE:
1. REMOVE EXIST. 8" CONC.
STORM PIPE (APPROX.
1150' E-W). MAINTAIN
TEMPORARY DRAINAGE
DITCH (MIN. 0.5% SLOPE)
DURING GRADING OPERATION.
LOCATION TO BE DETERMINED
AT TIME OF SITE WORK.

BENCH MARK ELEV. -764.92
SPIKE IN N. SIDE OF 50' MAPLE
50' E. OF DRAIN ON SEC. LINE

REMOVE EXIST. 8" CONC.
STORM PIPE (APPROX. 1150' E-W)
MAINTAIN TEMPORARY DRAINAGE
DITCH (MIN. 0.5% SLOPE) DURING
GRADING OPERATION. LOCATION
TO BE DETERMINED AT TIME
OF SITE WORK.

PLACE:
1-12" X 6' TEE
1-6" VALVE & BOX
1-5" HYDRANT

PLACE: 500 LIN. FT. OF 12"
WATERMAIN, D.I. 15
CLASS 52, TOTAL
THIS SHEET

PLACE:
1-12" VALVE & BOX
1-12" X 6' TEE
1-6" VALVE & BOX
1-5" HYDRANT
1-12" PLUG

PLACE SILTATION
BASIN W/ TEMP. 15"
OVERFLOW CULVERT

PLACE CHECK DAM
(3 PLACES)

CHERRY VALLEY AVE. (M-37)

NON-CRITICAL FILL AREAS
NO STRIPPING

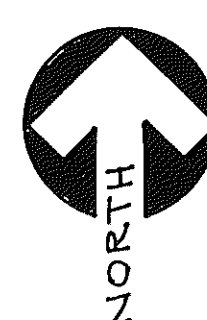
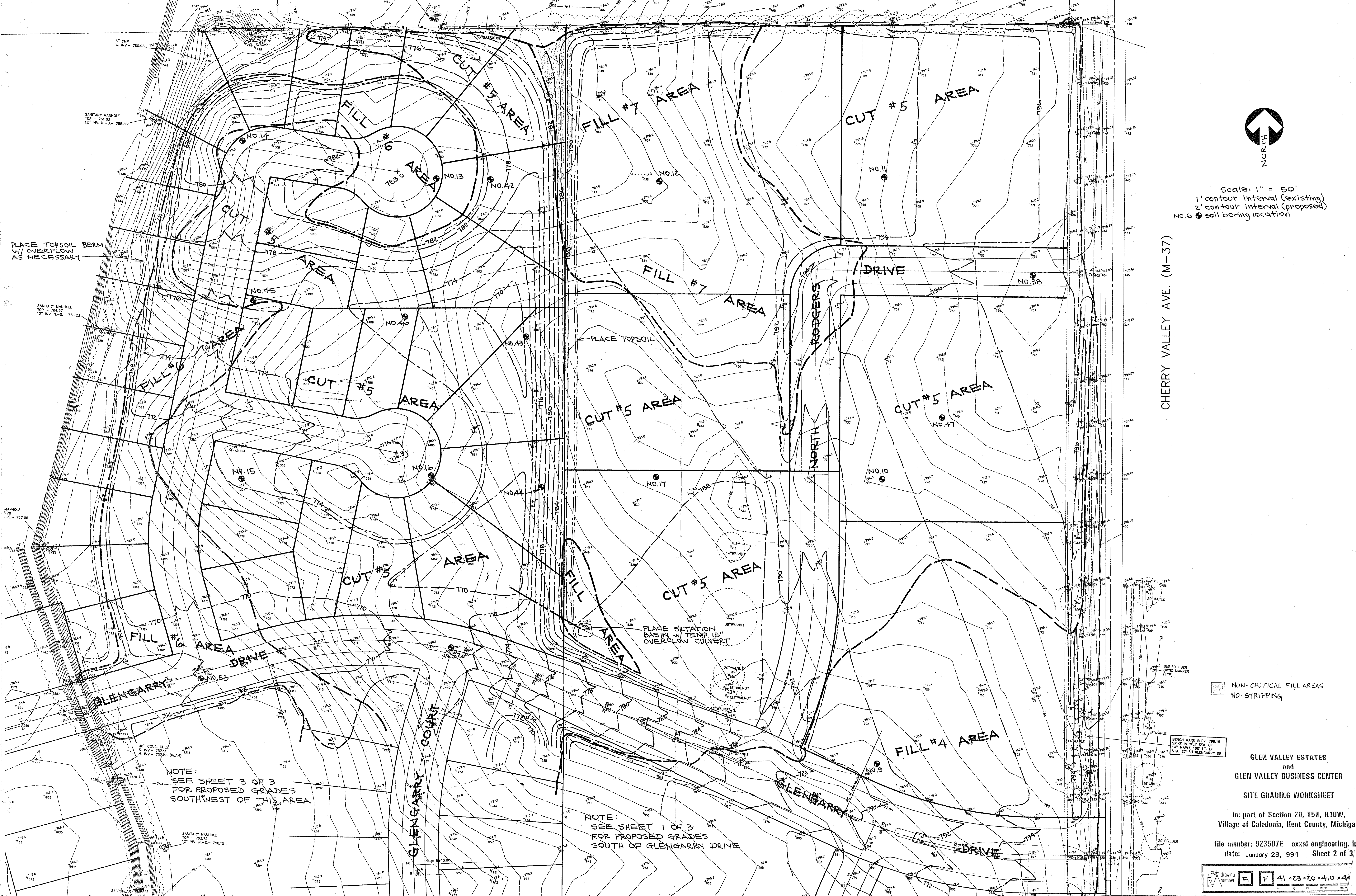
"AS BUILT" - DEC. 13, 1994
M.D.P.H. PERMIT NO. W940587
4-12-94 REV. U.M. LOCATION PER KCDPW.
MARCH 8, 1994 - REVISED PROP. LINES & PROP. GRADES

GLEN VALLEY ESTATES
and
GLEN VALLEY BUSINESS CENTER

SITE GRADING WORKSHEET

in: part of Section 20, T5N, R10W,
Village of Caledonia, Kent County, Michigan

file number: 923507E excel engineering, inc.
date: January 28, 1994 Sheet 1 of 3



Scale: 1" = 50'
1' contour interval (existing)
2' contour interval (proposed)
No. 6 • soil boring location

CHERRY VALLEY AVE. (M-37)

PLACE TOPSOIL BERM
W/ OVERFLOW
AS NECESSARY

SANITARY MANHOLE
TOP - 764.97
12" INV. N.-S. - 758.23

MANHOLE
3.78
-S- 757.06

PLACE TOPSOIL

PLACE SILTATION
BASIN - TEMP. IS
OVERFLOW CULVERT

NOTE:
SEE SHEET 3 OF 3
FOR PROPOSED GRADES
SOUTHWEST OF THIS AREA

NOTE:
SEE SHEET 1 OF 3
FOR PROPOSED GRADES
SOUTH OF GLENGARRY DRIVE

NON-CRITICAL FILL AREAS
NO-STRIPPING

GLEN VALLEY ESTATES
and
GLEN VALLEY BUSINESS CENTER
SITE GRADING WORKSHEET

in: part of Section 20, T5N, R10W,
Village of Caledonia, Kent County, Michigan

file number: 923507E exxel engineering, inc.
date: January 28, 1994 Sheet 2 of 3

SOIL EROSION NOTES:

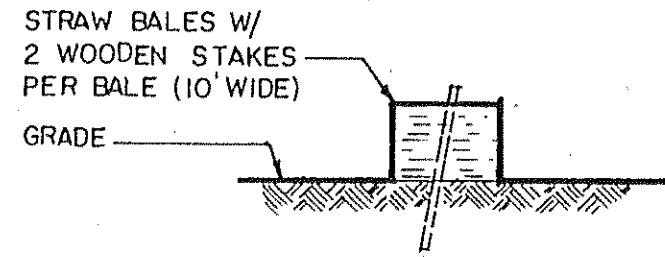
1. All Soil Erosion Control Measures to be installed prior to any other construction and maintained as necessary until the site has been permanently stabilized.
2. All non-paved areas within the R.O.W. are to be permanently stabilized with a minimum of 4" topsoil and hydroseeding. All topsoil berms shall remain in place until individual homes are constructed.
3. Protect new storm inlets by excavating a sump around them.
4. Inspect and maintain all temporary soil erosion controls after each significant rainfall.

CONSTRUCTION SCHEDULE

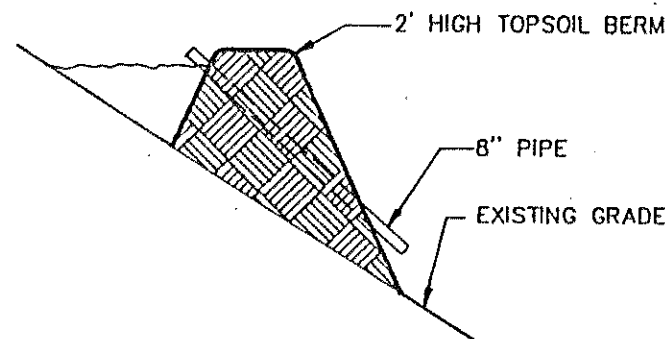
Install temporary soil erosion control measures
Rough grading
Install Utilities
Build road
Restoration

March 1, 1994
March, 1994
Spring, 1994
July - Aug 1994
Fall, 1994

NO. 20



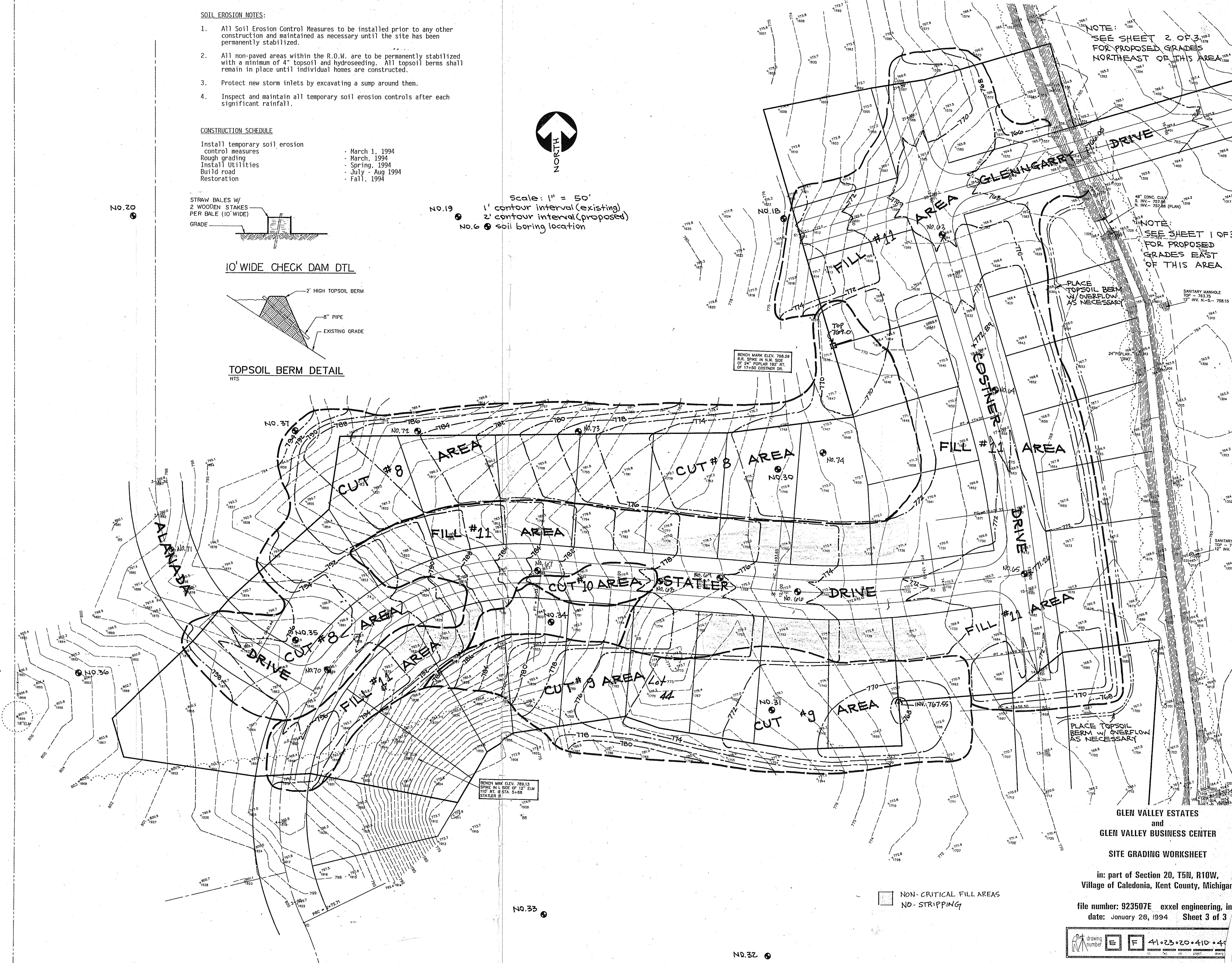
10' WIDE CHECK DAM DTL



TOPSOIL BERM DETAIL
NTS



Scale: 1" = 50'
1' contour interval (existing)
2' contour interval (proposed)
No. 6 • soil boring location



NOTE:
SEE SHEET 2 OF 3
FOR PROPOSED GRADES
NORTHEAST OF THIS AREA

NOTE:
SEE SHEET 1 OF 3
FOR PROPOSED
GRADES EAST
OF THIS AREA

PLACE TOPSOIL BERM
W/ OVERFLOW
AS NECESSARY

PLACE TOPSOIL
BERM W/ OVERFLOW
AS NECESSARY

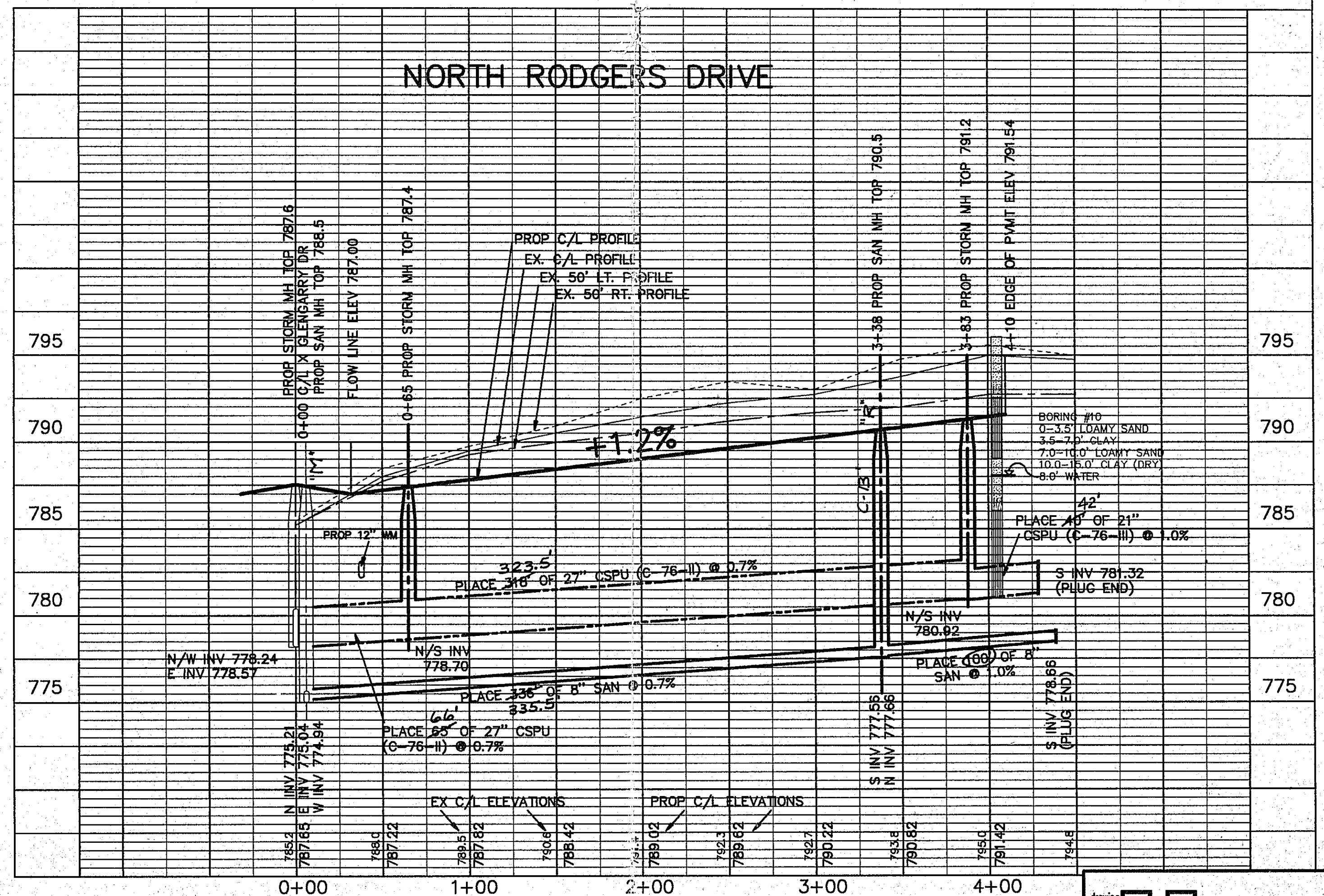
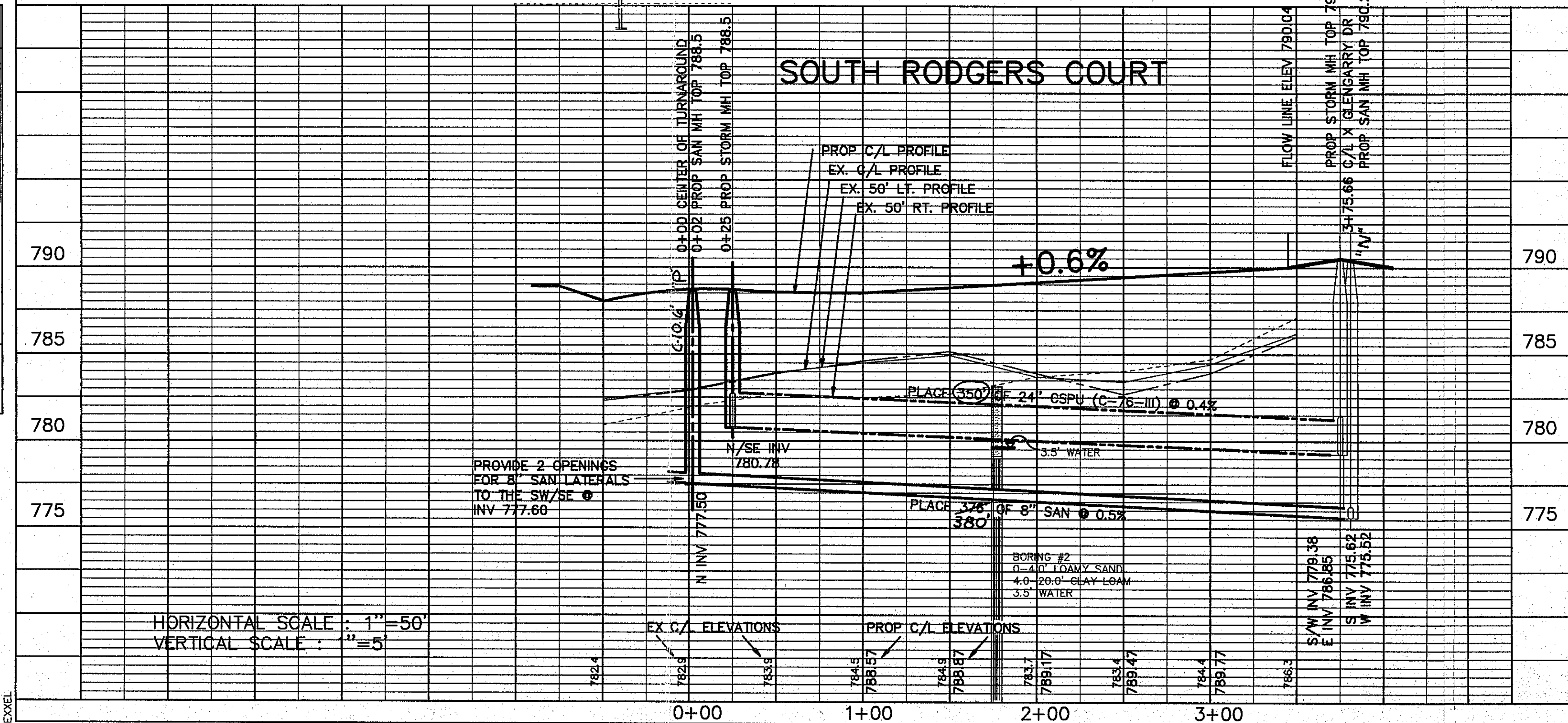
GLEN VALLEY ESTATES
and
GLEN VALLEY BUSINESS CENTER

SITE GRADING WORKSHEET

in: part of Section 20, T5N, R10W,
Village of Caledonia, Kent County, Michigan

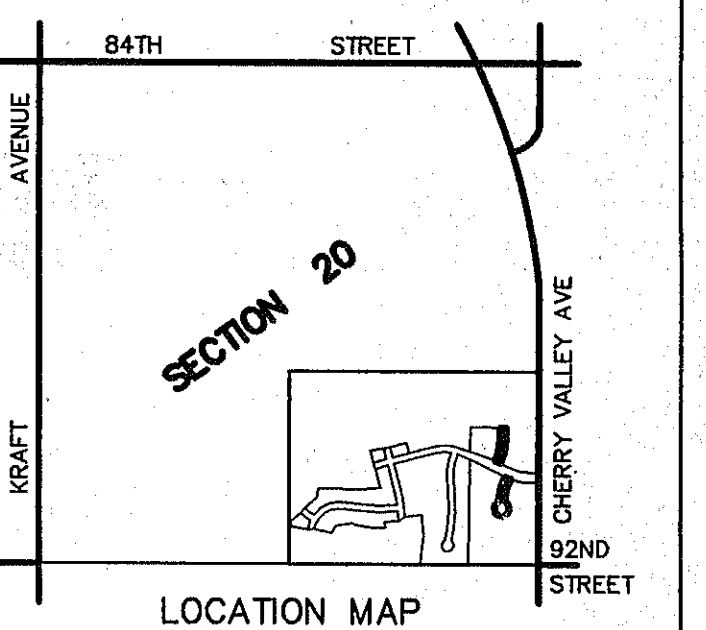
file number: 923507E excel engineering, inc.
date: January 28, 1994 Sheet 3 of 3

[illegible]



Age Group	1990	1995	2000	2005
10-14	10	15	20	25
15-19	15	20	25	30
20-24	20	25	30	35
25-29	25	30	35	40
30-34	30	35	40	45
35-39	35	40	45	50
40-44	40	45	50	55
45-49	45	50	55	60
50-54	50	55	60	65
55-59	55	60	65	70
60-64	60	65	70	75
65-69	65	70	75	80
70-74	70	75	80	85
75-79	75	80	85	90
80+	5	4	3	1

**CAUTION: BEFORE DIGGING CALL
MISS DIG AT 1-800-482-7171
FOR UNDERGROUND UTILITY
LOCATIONS.**



N RODGERS DR, S RODGERS CT, GLEN VALLEY BUSINESS CENTER
SEC 20,T5N,R10W, 923507E, 2 OF 6

drawing number **E** **F** 41 • 23 • 20 • 410 • 641
 co. top. sec. project drawing

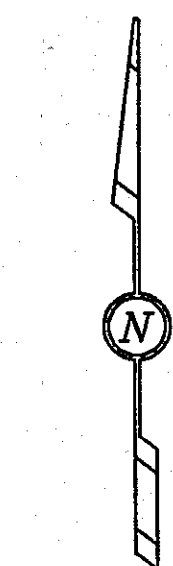
drawing number	E	F	41	23	20	410	642
			3	two	one	project	drawing

PLACE : 135 LIN FT OF 8" WATERMAIN,
DI CLASS 53, TOTAL THIS SHEET.

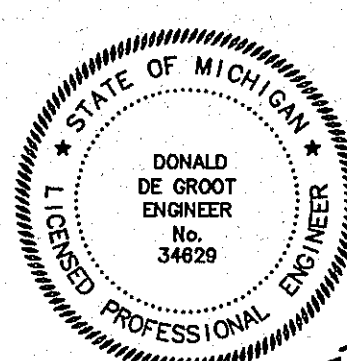
PLACE : 1405 LIN FT OF 12" WATERMAIN,
DI CLASS 53, TOTAL THIS SHEET.

PLACE : 840 LIN FT OF 1" COPPER WATER
SERVICE & 19 SETS OF 1" CORP
CURB STOP & BOX, TOTAL THIS SHEET.

BENCH MARK ELEV 789.13
SPIKE IN N SIDE OF 12" ELM
110' RT OF STA. 5+68
STATLER DRIVE



SCALE : 1"=50'



C/L CURVE DATA
ALANADA DRIVE
PC=0+81.44
PT=3+41.39
R=500.00'
Δ=59°34'47"
T=143.11'
L=259.95'

C/L CURVE DATA
STATLER DRIVE
PC=2+72.71
PT=8+03.65
R=500.00'
Δ=120°30'
T=524.89'
L=630.94'

C/L CURVE DATA
STATLER DRIVE
PC=11+93.65
PT=134+90.00
R=500.00'
Δ=12°30'
T=98.57'
L=196.35'

CAUTION: BEFORE DIGGING CALL
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FOR UNDERGROUND UTILITY
LOCATIONS.

STATLER DRIVE & ALANADA DRIVE

FOR GLEN VALLEY ESTATES

IN PART OF THE SE 1/4, SECTION 20, T5N, R10W,
VILLAGE OF CALEDONIA, KENT COUNTY, MICHIGAN.

Revisions	exsel engineering inc. 5252 OLYE PARK, S.W. • GRAND RAPIDS, MI. 49509 PHONE (616) 531-3660
"As Built" - DEC. 13, 1994	Drawn by: MK Approved by: RL/DDG File No: 923507/E Sheet 6 of 6 Date: 1/26/94
4/12/94 REV PER KCDPW	drawing number E F 41-23-20-410-645
4/4/94 REV PER KCDPW	co. imp. sec. project drawing
3/8/94 REV PER VILLAGE OF CALEDONIA	

