

P: (248) 442-1101 F: (248) 442-1241 www.zeimetwozniak.com

1-800-482-7171

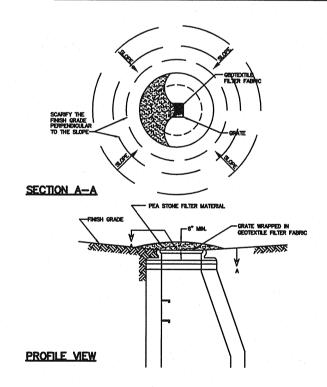
JOB NO. 97144

## GRAVEL MUD TRACKING MAT: 1'0" MIN

# SILT FENCE: PLAN VIEW

#### LOW POINT INLET FILTER:

SECTION B - B

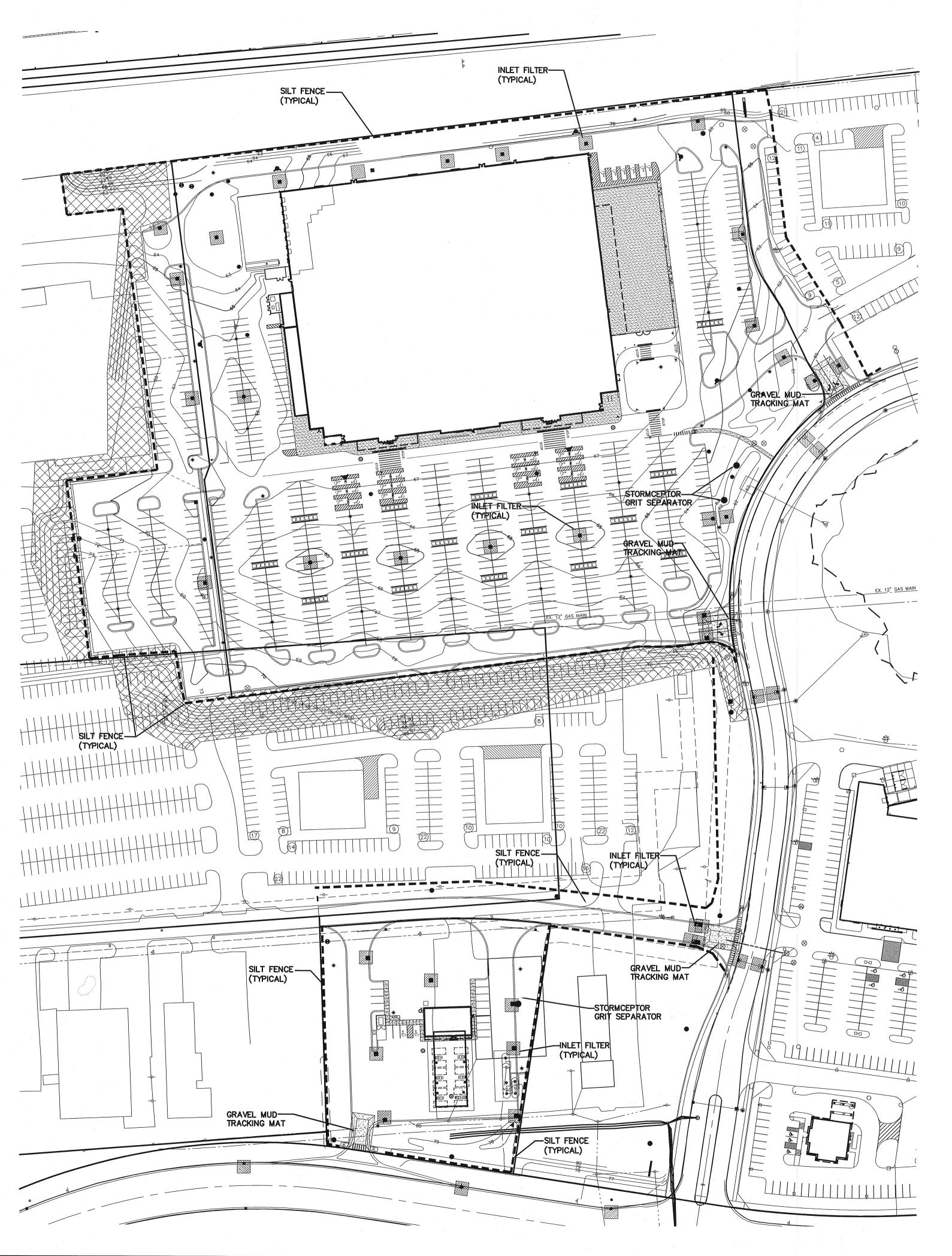


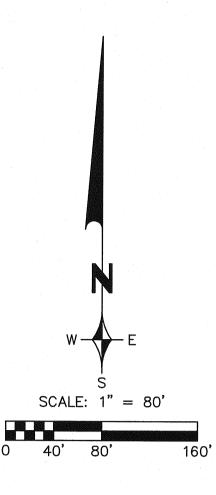
NOTICE:

CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK, OF PERSONS ENGAGED IN THE WORK, OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AS DISCLOSED BY AVAILABLE UTILITY COMPANY RECORDS AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE COMPANY. NO GUARANTEE IS EITHER EXPRESSED OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE CONTRACTOR SHALL NOTIFY THE

DESIGN ENGINEER IMMEDIATELY IF A CONFLICT IS APPARENT.

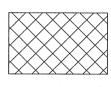




#### **EROSION CONTROL LEGEND:**

GEOTEXTILE SILT FENCE GRAVEL MUD TRACKING MAT

LOW POINT INLET FILTER



EROSION CONTROL BLANKET

#### CONSTRUCTION AND SOIL EROSION WORK SCHEDULE

- PLACE SILT FENCE AS SHOWN ON THIS PLAN.
- INSTALL GRAVEL MUD TRACKING MAT NEAR ENTRANCE WHERE INDICATED. MASS GRADE PARKING AREA AND CONSTRUCT BUILDING PAD. INSTALL SANITARY, STORM AND WATERMAIN COMPLETE. INSTALL LOW POINT INLET FILTERS ON ALL DRAINAGE STRUCTURES AND RIP-RAP AT ALL END
- INSTALL ALL PAVEMENT. REPAIR OR REPLACE LOW POINT INLET FILTERS AS REQUIRED. SEED & MULCH ALL AREAS DISTURBED BY CONSTRUCTION.
- 6. UPON STABILIZATION OF SITE, REMOVE ACCUMMULATED SEDIMENT FROM BASIN AND CLEAN STORM SEWER SYSTEM. SEED AND MULCH ANY DISTURBED
- IT SHALL BE THE DEVELOPERS RESPONSIBILITY TO INSURE THAT ALL EROSION CONTROL DEVICES ARE MAINTAINED AS REQUIRED THROUGHOUT THE CONSTRUCTION AND THAT THE STREETS ARE KEPT FREE OF MUD AND CONSTRUCTION DEBRIS. THE ACCUMULATED SEDIMENT MUST BE REMOVED FROM THE SEDIMENT BASINS PERIODICALLY THROUGHOUT THE CONSTRUCTION OF THIS PROJECT.

#### CITY OF ROCHESTER HILLS SESC NOTES:

- 1. ALL EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM TO STANDARDS AND SPECIFICATIONS OF THE OAKLAND COUNTY DRAIN COMMISSIONER.
- 2. ALL TEMPORARY AND PERMANENT (POST CONSTRUCTION) SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL CONFORM TO THE CITY OF ROCHESTER HILLS CURRENT MS4 PERMIT. ANY CONFLICT BETWEEN THESE STANDARDS AND THE MS4 PERMIT, THE
- PERMIT'S CONDITIONS SHALL TAKE PRECEDENCE. 3. DAILY INSPECTIONS SHALL BE MADE BY THE CONTRACTOR FOR EFFECTIVENESS OF EROSION AND SEDIMENTATION CONTROL MEASURES, AND ANY NECESSARY REPAIRS
- SHALL BE PERFORMED WITHOUT DELAY. 4. ANY SEDIMENTATION FROM WORK ON THIS SITE SHALL BE CONTAINED ON THE SITE AND
- NOT ALLOWED TO COLLECT ON ANY OFF-SITE AREAS OR IN WATERWAYS. 5. CONTRACTOR SHALL APPLY TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES WHEN REQUIRED AND AS DIRECTED ON THESE PLANS. HE SHALL REMOVE TEMPORARY MEASURES AS SOON AS PERMANENT STABILIZATION OF SLOPES, DITCHES, AND OTHER EARTH CHANGES HAVE BEEN ACCOMPLISHED. THIS WOULD INCLUDE TEMPORARY SEDIMENTATION PONDS AND TEMPORARY SO2 FILTERS.
- 6. STAGING THE WORK WILL BE DONE BY THE CONTRACTOR AS DIRECTED IN THESE PLANS AND AS REQUIRED TO ENSURE PROGRESSIVE STABILIZATION OF DISTURBED EARTH.
- 7. SOIL EROSION CONTROL PRACTICES SHALL BE ESTABLISHED IN THE EARLY STAGES OF CONSTRUCTION BY THE CONTRACTOR. SEDIMENT CONTROL PRACTICES WILL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTING OF SILT OFF THE SITE.



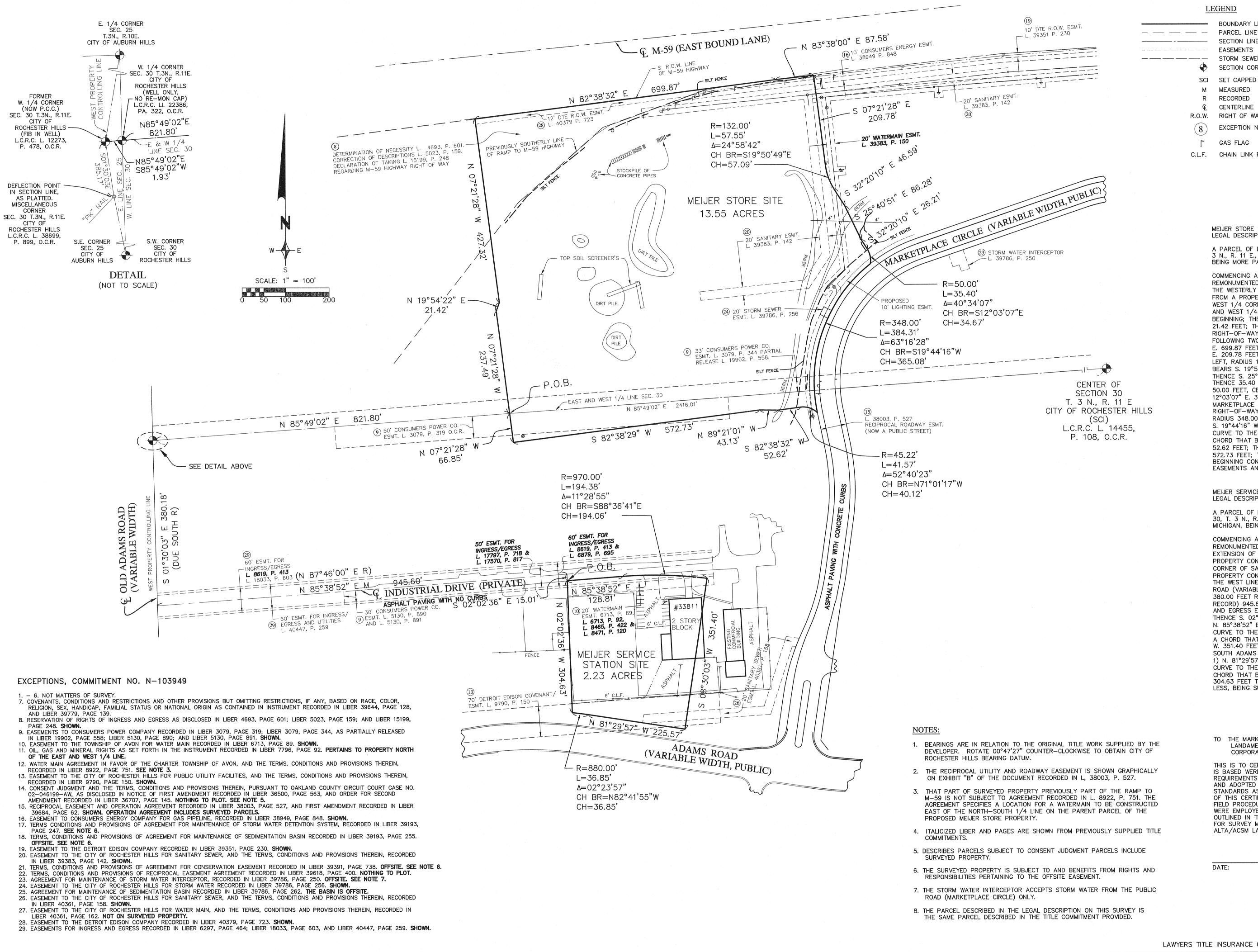
THIS PLAN ILLUSTRATES THE MINIMUM EROSION CONTROLS NEEDED TO PREVENT SILTS FROM LEAVING THE SITE AND IS SUBJECT TO CHANGE AS CONDITIONS IN THE FIELD WARRANT.

ADAMS MARKETPLACE

NOT FOR CONSTRUCTION CITY FILE 08-005

DATE BY REVISIONS DATE BY REVISIONS DATE BY REVISIONS SOIL EROSION CONTROL PLAN PROJECT SPONSOR: PER CITY REVIEW 10/3/08 SRB THREE FULL WORKING DAYS GRAND SAKWA PROPERTIES PER CITY REVIEW 11/12/08 SRB MEIJER Civil Engineers & Land Surveyors BEFORE YOU DIG, MISS DIG SYSTEM, INC. CALL THE MISS 28470 THIRTEEN MILE ROAD, SUITE 220 40024 GRAND RIVER AVE, SUITE 100 NOVI, MICHIGAN 48375 FARMINGTON HILLS, MI (248) 855-5500 1-800-482-7171 ROCHESTER HILLS, MICHIGAN P: (248) 442-1101 F: (248) 442-1241 www.zeimetwozniak.com

PATE 9/2/08 SCALE HOR: 1" = 80' VER: 1" = N/A DESIGNED BY SRB BY JOB NO. 97144 SHEET SP-6 DRAWN BY



### M - 59SECTION CORNER SCI SET CAPPED IRON AUBURN ROAD EXCEPTION NUMBER C.L.F. CHAIN LINK FENCE

**LOCATION MAP** 

NOT TO SCALE

#### MEIJER STORE SITE LEGAL DESCRIPTION

LEGEND

BOUNDARY LINE

SECTION LINE

STORM SEWER

MEASURED

RECORDED

CENTERLINE

GAS FLAG

R.O.W. RIGHT OF WAY

A PARCEL OF LAND LOCATED IN PART OF THE WEST 1/2 OF SECTION 30, T. 3 N., R. 11 E., CITY OF ROCHESTER HILLS, OAKLAND COUNTY, MICHIGAN, BEING MORE PARTICULARLY DESCRIBED AS:

COMMENCING AT THE WEST 1/4 CORNER OF SAID SECTION 30 (AS REMONUMENTED) SAID 1/4 CORNER BEING N. 85°49'02" E. 1.93 FEET ALONG THE WESTERLY EXTENSION OF THE EAST AND WEST 1/4 LINE OF SECTION 30 FROM A PROPERTY CONTROLLING CORNER (FORMERLY DESCRIBED AS THE WEST 1/4 CORNER) OF SAID SECTION 30 AND PROCEEDING ALONG SAID EAST AND WEST 1/4 LINE N. 85°49'02" E. 821.80 FEET TO THE POINT OF BEGINNING; THENCE N. 07°21'28" W. 237.49 FEET; THENCE N. 19°54'22" E. 21.42 FEET; THENCE N. 07°21'28" W. 427.32 FEET TO THE SOUTHERLY RIGHT-OF-WAY LINE OF M-59 HIGHWAY (VARIABLE WIDTH); THENCE THE FOLLOWING TWO (2) COURSES ALONG SAID RIGHT-OF-WAY: 1) N. 82°38'32' E. 699.87 FEET AND 2) N. 83°38'00" E. 87.58 FEET; THENCE S. 07°21'28" E. 209.78 FEET; THENCE 57.55 FEET ALONG THE ARC OF A CURVE TO THE LEFT, RADIUS 132.00 FEET, CENTRAL ANGLE 24°58'42" AND A CHORD THAT BEARS S. 19°50'49" E. 57.09 FEET; THENCE S. 32°20'10" E. 46.59 FEET; THENCE S. 25°40'51" E. 86.28 FEET; THENCE S. 32°20'10" E. 26.21 FEET THENCE 35.40 FEET ALONG THE ARC OF A CURVE TO THE RIGHT, RADIUS 50.00 FEET. CENTRAL ANGLE 40°34'07" AND A CHORD THAT BEARS S. 12°03'07" E. 34.67 FEET TO THE WESTERLY RIGHT-OF-WAY LINE OF MARKETPLACE CIRCLE (VARIABLE WIDTH): THENCE ALONG SAID WESTERLY RIGHT-OF-WAY 384.31 FEET ALONG THE ARC OF A CURVE TO THE LEFT RADIUS 348.00 FEET, CENTRAL ANGLE 63°16'28" AND A CHORD THAT BEARS S. 19°44'16" W. 365.08 FEET; THENCE 41.57 FEET ALONG THE ARC OF A CURVE TO THE LEFT, RADIUS 45.22 FEET, CENTRAL ANGLE 52°40'23" AND A CHORD THAT BEARS N. 71°01'17" W. 40.12 FEET; THENCE S. 82°38'32" W. 52.62 FEET; THENCE N. 89°21'01" W. 43.13 FEET; THENCE S. 82°38'29" W. 572.73 FEET: THENCE N. 07°21'28" W. 66.85 FEET TO THE POINT OF BEGINNING CONTAINING 13.55 ACRES MORE OR LESS, BEING SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD.

#### MEIJER SERVICE STATION SITE LEGAL DESCRIPTION

A PARCEL OF LAND LOCATED IN PART OF THE SOUTHWEST 1/4 OF SECTION 30, T. 3 N., R. 11 E., CITY OF ROCHESTER HILLS, OAKLAND COUNTY, MICHIGAN, BEING MORE PARTICULARLY DESCRIBED AS:

COMMENCING AT THE WEST 1/4 CORNER OF SAID SECTION 30 (AS REMONUMENTED); THENCE S. 85°49'02" W. 1.93 FEET ALONG THE WESTERLY EXTENSION OF THE EAST AND WEST 1/4 LINE OF SAID SECTION 30 TO A PROPERTY CONTROLLING CORNER (FORMERLY DESCRIBED AS THE WEST 1/4 CORNER OF SAID SECTION 30); THENCE PROCEEDING ALONG THE WEST PROPERTY CONTROLLING LINE (AS MONUMENTED), FORMERLY DESCRIBED AS THE WEST LINE OF SECTION 30, ALSO BEING THE CENTERLINE OF OLD ADAMS ROAD (VARIABLE WIDTH) S. 01°30'03" E. 380.18 FEET MEASURED (DUE SOUTH 380.00 FEET RECORD); THENCE N. 85°38'52" E. MEASURED (N. 87°46'00" E. RECORD) 945.60 FEET ALONG THE CENTERLINE OF A 60-FOOT WIDE INGRESS AND EGRESS EASEMENT FOR A PRIVATE ROAD KNOWN AS INDUSTRIAL DRIVE; THENCE S. 02°02'36" E. 15.01 FEET TO THE POINT OF BEGINNING; THENCE N. 85°38'52" E. 128.81 FEET; THENCE 194.38 FEET ALONG THE ARC OF A CURVE TO THE RIGHT, RADIUS 970.00 FEET, CENTRAL ANGLE 11°28'55" AND A CHORD THAT BEARS S. 88°36'41" E. 194.06 FEET; THENCE S. 08°30'03" W. 351.40 FEET; THENCE ALONG THE NORTHERLY RIGHT-OF-WAY LINE OF SOUTH ADAMS ROAD (VARIABLE WIDTH) THE FOLLOWING TWO (2) COURSES: 1) N. 81°29'57" W. 225.57 FEET AND 2) 36.85 FEET ALONG THE ARC OF A CURVE TO THE LEFT, RADIUS 880.00 FEET, CENTRAL ANGLE 02°23'57" AND A CHORD THAT BEARS N. 82°41'55" W. 36.85 FEET; THENCE N. 02°02'36" W. 304.63 FEET TO THE POINT OF BEGINNING CONTAINING 2.23 ACRES MORE OR LESS, BEING SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD.

#### CERTIFICATION

TO THE MARKET PLACE OF ROCHESTER HILLS, LLC, MEIJER, INC., LANDAMERICA LAWYERS TITLE AND LAWYERS TITLE INSURANCE CORPORATION:

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH "MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS," JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS IN 2005. PURSUANT TO THE ACCURACY STANDARDS AS ADOPTED BY ALTA AND NSPS AND IN EFFECT ON THE DATE OF THIS CERTIFICATION, UNDERSIGNED FURTHER CERTIFIES THAT PROPER FIELD PROCEDURES, INSTRUMENTATION, AND ADEQUATE SURVEY PERSONNEL WERE EMPLOYED IN ORDER TO ACHIEVE RESULTS COMPARABLE TO THOSE OUTLINED IN THE "MINIMUM ANGLE, DISTANCE, AND CLOSURE REQUIREMENTS" FOR SURVEY MEASUREMENTS WHICH CONTROL LAND BOUNDARIES FOR ALTA/ACSM LAND TITLE SURVEYS."

RICHARD HOFSESS PROFESSIONAL SURVEYOR No. 47955 ZEIMET/WOZNIAK & ASSOCIATES 40024 GRAND RIVER AVE, SUITE 100 NOVI, MI 48375 PH: (248) 442-1101 FAX: (248) 442-1241

LAWYERS TITLE INSURANCE CORPORATION, COMMITMENT NO. N-103949, DATED JULY 23, 2008.

REVISIONS	DATE BY	ZEIMET W& ZNIAK ASSOCIATES	THREE FULL	PROJECT SPONSOR:	ALTA/ACSM LAND TITLE SURVEY	DATE 8-27-08 SCALE HOR: 1" = 100' 8 5 5						
								Civil Engineers & Land Surveyors	WORKING DAYS WORKING DAYS BEFORE YOU DIG,	GRAND/SAKWA PROPERTIES, INC.	MEIJER STORE SITE	BESIGNED BY JOB NO. 97144
								40024 GRAND RIVER AVE, SUITE 100 NOVI, MICHIGAN 48375 Pt (248) 442-1101 Ft (248) 442-1241 www.zeimetwozniak.com	1-800-482-7171 DIG SYSTEM	FARMINGTON HILLS, MI. 48334		CHIGAN