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PLAN SHEET INDEX

**PROPOSED
2011 VILLAGE OF ROSCOMMON
M-18 DEVELOPMENT
COMMERCIAL DRIVE ENTRANCE PROJECT**
SECTION 7, T24N, R2W, HIGGINS TOWNSHIP, ROSCOMMON COUNTY

GENERAL:

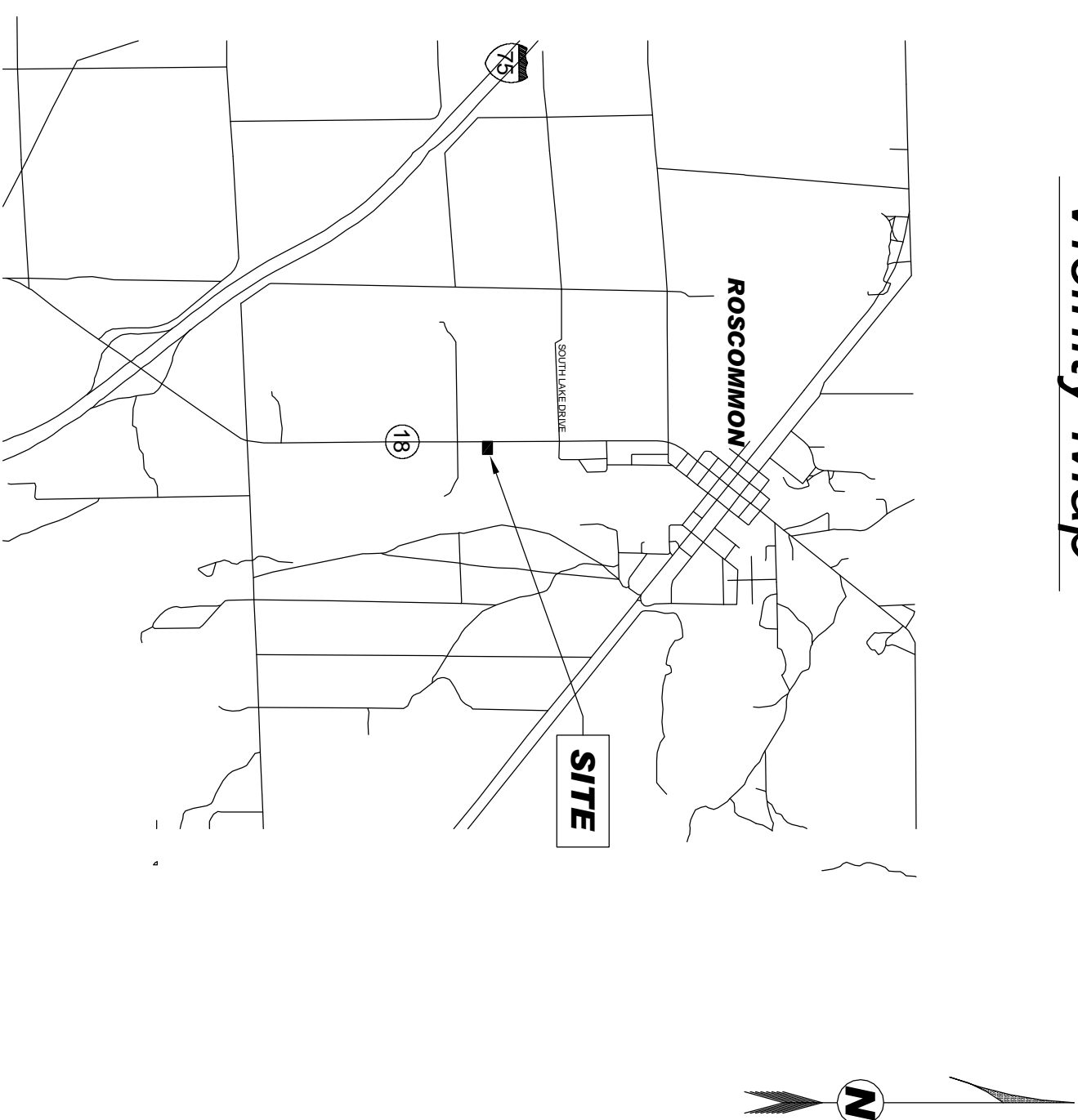
1. BENCHMARK: Set Benchite Elev = 1140.29 - See Sheet C-2
2. The contractor shall call "MISS DIG" at 1-800-482-7171 at least 3 working days (excluding weekends and holidays) prior to construction
3. All work shall be done in accordance with the applicable codes, ordinances, design standards and standard specifications of the following agencies which have the responsibility of reviewing plans and specifications for construction of all items included in these plans:
 - a). Village of Roscommon
 - b). Michigan Department of Transportation
4. The engineer shall apply for and obtain the following permits & approvals:
 - a). Roscommon County SEC & Storm water Permit
 - b). MDOIT Permit
5. The contractor shall notify the Village a minimum of 24 hrs. prior to the connections to the existing public water systems.
6. The contractor agrees that in accordance with generally accepted construction practices, the contractor will be required to assume sole responsibility for job site conditions during the course of construction of the project, including the safety of all persons and property. This requirement shall be made to apply continuously and not be limited to normal working hours.
7. The locations and dimensions shown on the plans for existing facilities are in accordance with all available information. The engineer does not guarantee the accuracy of this information or that all existing underground facilities are shown.
8. The contractor is to verify that the plans and specifications that he/she is building from are the very latest plans and specifications have been approved by all applicable permit-issuing agencies and the owner. All items constructed by the contractor prior to receiving the final approval and permits having to be adjusted or redone, shall be done at the contractor's expense.
9. Should the contractor encounter conflict between these plans and specifications, either among themselves or with the requirements of any and all reviewing and permit-issuing agencies, he/she shall seek clarification in writing from this engineer before commencement of construction. Failure to do so shall be at the sole expense to the contractor.
10. The contractor shall furnish as-built drawings to the Village of Roscommon indicating all changes and deviations from approved drawings.
11. All signs and traffic control measures during construction and maintenance activities shall be per the latest edition of the Michigan Manual of Uniform Traffic Control Devices (M.M.U.T.C.D.)

TRAFFIC CONTROL AND PERMANENT SIGNING SHALL BE MAINTAINED IN ACCORDANCE WITH SECTIONS 103.05, 103.06 AND B12 OF THE 2003 MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, THE 2005 MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AS AMENDED, AND INCLUDING ANY SUPPLEMENTAL SPECIFICATIONS, AND AS HEREIN SPECIFIED WITHIN THE PLANS.

IT IS UNDERSTOOD THAT THE CONTRACTOR SHALL PERFORM ALL WORK UNDER THIS CONTRACT IN ACCORDANCE WITH ALL APPLICABLE PROVISIONS, POLICES, RULES AND STANDARDS OF THE MICHIGAN OCCUPATIONAL SAFETY AND HEALTH ACT (MOSHA), BEING ACT 154 OF THE PUBLIC ACTS OF 1974 AND AS AMENDED.

EXCEPT WHERE OTHERWISE INDICATED ON THE PLANS OR IN THE PROPOSAL AND SUPPLEMENTAL SPECIFICATIONS CONTAINED THEREIN, ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, 2003 EDITION, AND THE CURRENT SUPPLEMENTAL SPECIFICATIONS.

2011 M-18 DEVELOPMENT COMMERCIAL DRIVE ENTRANCE PROJECT



COMMERCIAL DRIVE ENTRANCE FOR THE M-18 DEVELOPMENT PROJECT IN THE VILLAGE OF ROSCOMMON, BEING IN THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 7, T24N, R2W, HIGGINS TOWNSHIP, ROSCOMMON COUNTY.

VILLAGE OF ROSCOMMON

Jesse Carlison, Village President
Tim Sadowski, Village Manager

PREPARED UNDER SUPERVISION OF

NOTE: CALL "MISSDIG" (1-800-482-7171)
3 WORKING DAYS PRIOR TO ANY EXCAVATION
FOR UNDERGROUND UTILITY INFORMATION

John P. May, P.E., No. 50689
ORIGINAL SIGNATURE IN BLUE
OFFICIAL SEAL

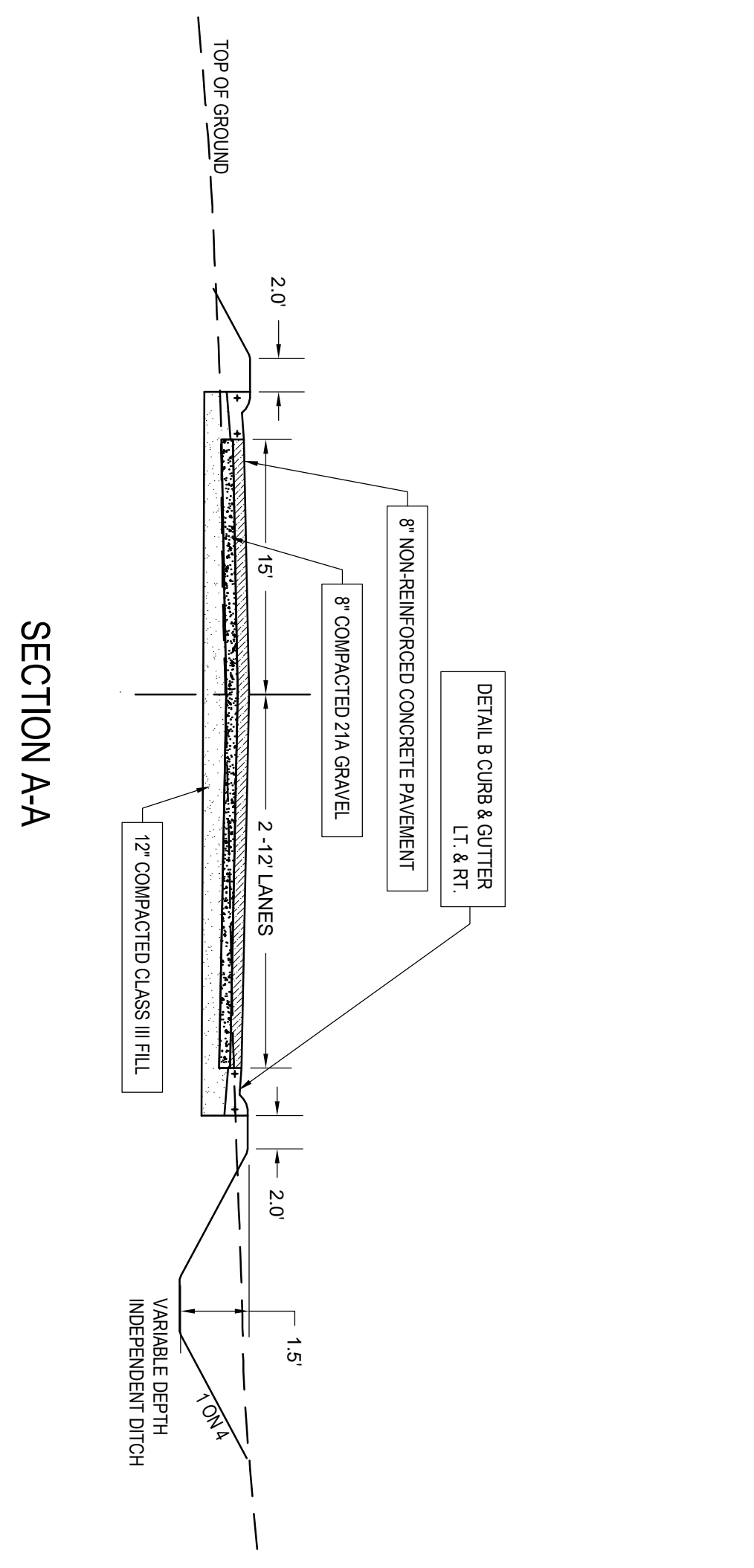
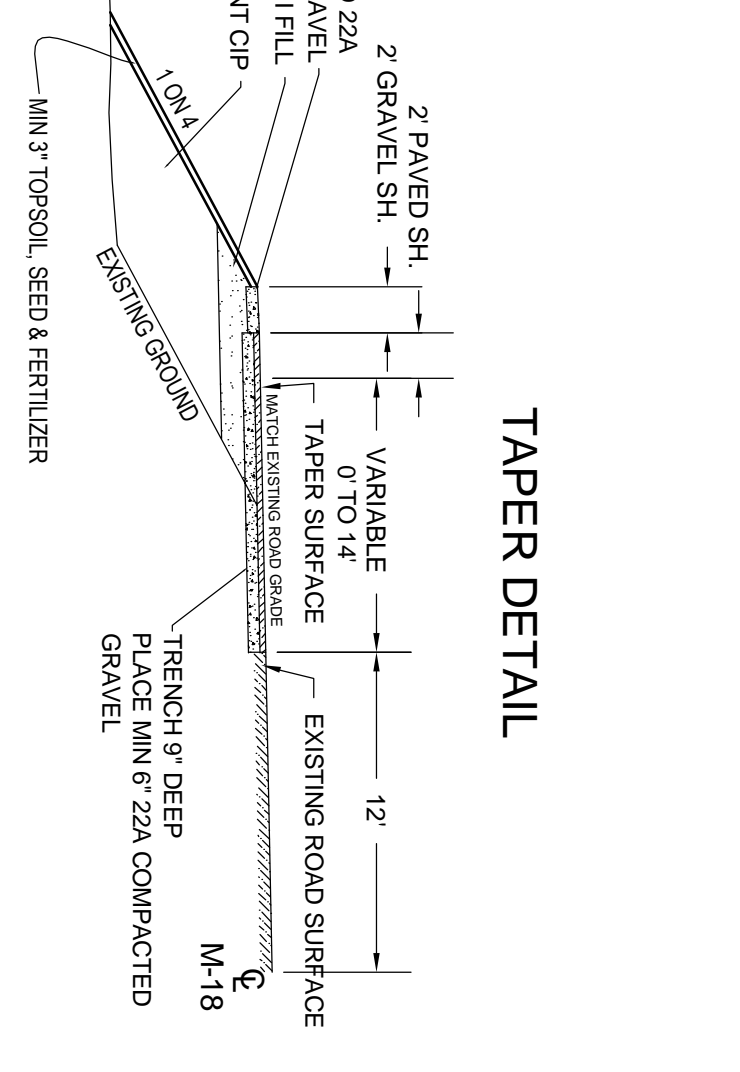
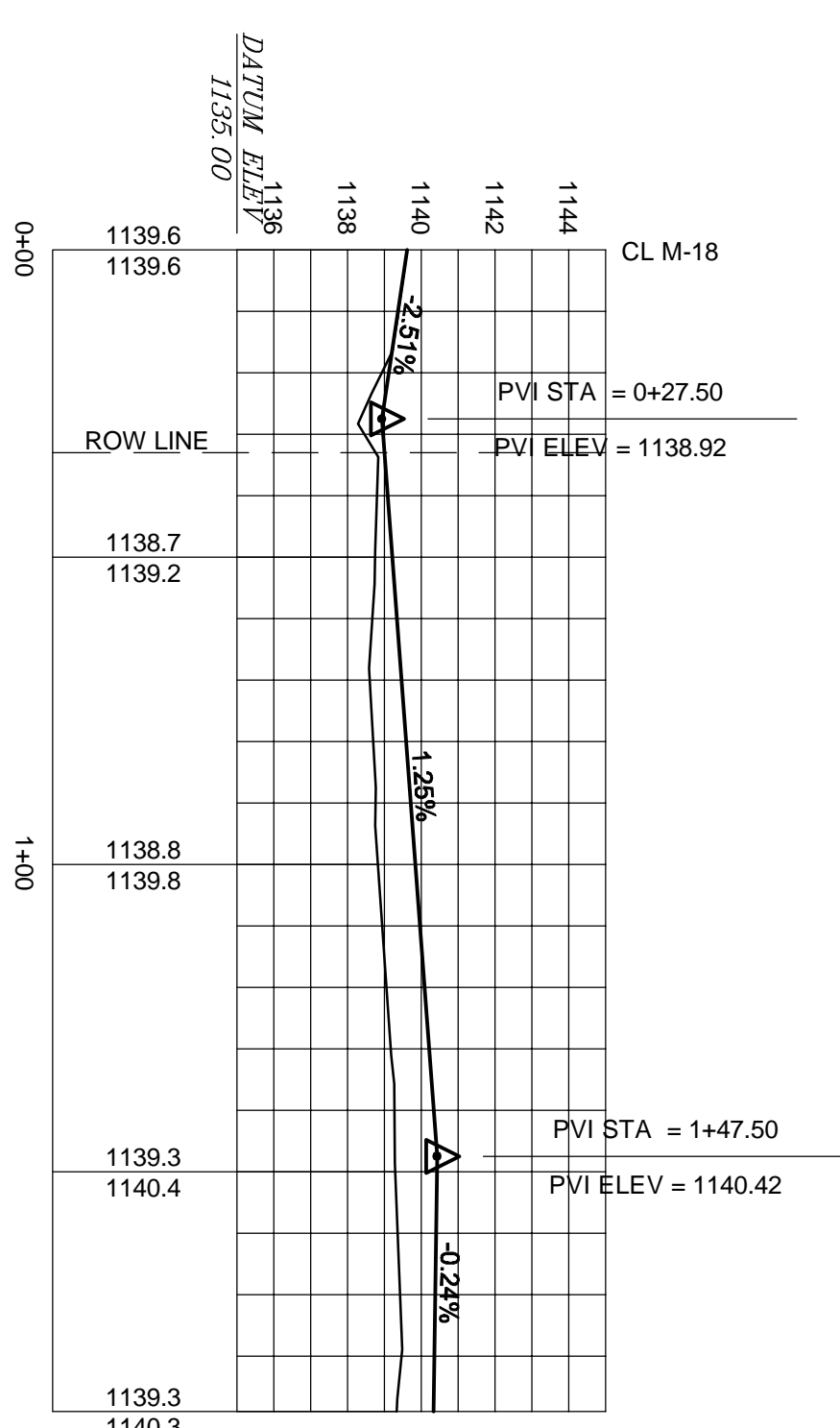
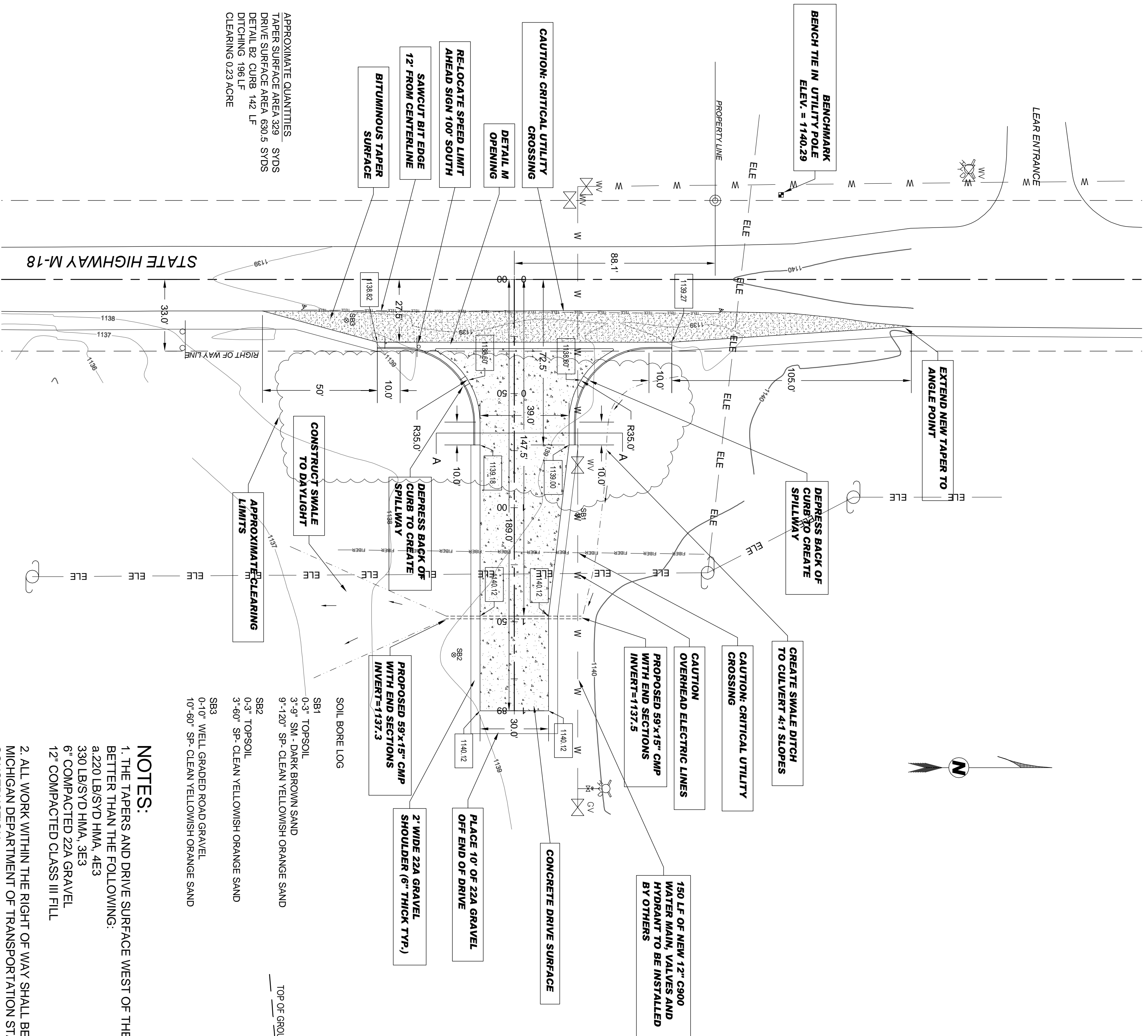
Prepared For:
Village of Roscommon
214 S. Main Street, P.O. Box 236
Roscommon, Michigan 48653

REVISION HISTORY:

VILLAGE OF ROSCOMMON	
COMMERCIAL DRIVE ENTRANCE	
DWG No.: S11A25A	Client : Job: Roscommon:S11A25A
Date: February 1, 2011	Sheet: TITLE SHEET

Horizontal Scale: N/A	Vertical Scale: N/A
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MAY & Associates, Inc.
SURVEYORS
3197 W. M-76, Suite B
West Branch, Michigan 48661
Tele: (989) 345-1600
Fax: (989) 345-1100
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- NOTES:**
1. THE TAPERS AND DRIVE SURFACE WEST OF THE 'M' OPENING SHALL BE EQUAL TO OR BETTER THAN THE FOLLOWING:
 a. 220 LB/SYD HMA, 4E3
 b. 330 LB/SYD HMA, 3E3
 c. 6\"/>
 2. ALL WORK WITHIN THE RIGHT OF WAY SHALL BE DONE IN ACCORDANCE WITH CURRENT MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION.
 3. ALL DISTURBED AREAS SHALL BE SEED MULCHED WITH A MINIMUM OF 3 INCHES OF TOPSOIL.
 4. THE DRIVEWAY SHALL BE CONSTRUCTED NOT TO AFFECT HIGHWAY DRAINAGE.
 5. UNDERGROUND UTILITY LINES SHOWN ARE FROM VISIBLE SURFACE INDICATIONS AND MAY NOT BE ACCURATE. THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UTILITIES BEFORE EXCAVATION.
 6. CONCRETE CURB AND GUTTER SHALL BE CONSTRUCTED IN ACCORD WITH THE MDT STANDARD PLAN R-30-D, DETAIL B.
 7. THE ON-SITE BENCHMARK IS A BENCHMARK IN A UTILITY POLE, ELEVATION 1140.29
 8. ALL WOOD, STUMPS AND ORGANIC DEBRIS RESULTING FROM CLEARING AND GRUBBING SHALL BE REMOVED FROM SITE.

- SOIL BORE LOG**
- SB1 3'-3\"/>
 - SB2 0'-3\"/>
 - SB3 3'-6\"/>
 - SB4 0'-10\"/>
 - SB5 10'-60\"/>

UTILITY INFORMATION

NOTE: CALL MISSOIG (1-800-482-2171) 3 WORKING DAYS PRIOR TO ANY EXCAVATION FOR UNDERGROUND UTILITY INFORMATION

PHONE: VERIZON
 ELECTRIC: CONSUMERS POWER
 GAS: MICHIGAN
 WATER: VILLAGE OF ROSCOMMON

2011 M-18 DEVELOPMENT COMMERCIAL DRIVE ENTRANCE PROJECT

LAYOUT PLAN

ABBREVIATION DESCRIPTION

MAX	MAXIMUM
MIN	MINIMUM
POINT	POINT
SPEC	SPECIFICATION
SPECS	SPECIFICATIONS
TP	TYPICAL
W/	WITH
LS	LOCAL
LF	LINEAR FEET
SO	SQUARE FEET
SOYD	SQUARE YARD
CVDS	CUBIC YARDS

SYMBOL LEGEND

☐	UTILITY POLE
⊗	HYDRANT
⊗	EXISTING GATE VALVE
⊗	CATCH BASIN
⊗	RISER
⊗	SHRUB
⊗	EXISTING MANHOLE
⊗	PROPOSED HYDRANT
⊗	PROPOSED GATE VALVE
⊗	PROPOSED MANHOLE
⊗	WETLAND
W	EXISTING WATER MAIN
W	PROPOSED WATER MAIN
FIBER	FIBER MAIN
ELEC	ELECTRIC LINES
---	RIGHT OF WAY LINE
---	TELE LINE

LEGEND

- GRADING AND SITE WORK**
1. Prior to grading, cutting and filling the contractor shall remove all topsoil, debris, vegetation, etc. from the site. Acceptable material excavated from the cut areas shall be used for fill.
 2. Fill shall be placed in layers not exceeding depths of 9 inches and shall be compacted to 95% of its maximum unit weight.
 3. The contractor shall proof-roll the existing subgrade to determine its suitability. If, in the opinion of the engineer, the subgrade is unsuitable, that portion of the subgrade shall be excavated and replaced with a minimum of 12" M.D.O.T. Class II granular material.
 4. All site grading must be performed to insure positive drainage across the entire site. Throughout the period of construction and after project completion.
 5. All sedimentation and soil erosion control measures shall be constructed prior to the commencement of site grading and must conform to Part 91 of Act 451 of the Public Acts of 1994. All applicable permits shall be on-site before implementing these measures. The contractor shall be responsible for maintaining temporary soil erosion control measures and having a Certified Storm Water Operator on-site during construction.
- INSPECTION:**
1. Density tests are required on all backfill areas on site.
 2. This includes all areas under pavement areas.
 3. Contractor is required to provide copies of load tickets for all imported fill, sand, gravel, concrete and asphalt to engineer.
 3. Testing may be performed on concrete and asphalt.
 4. Contractor shall coordinate testing times and dates with inspector.
 5. Inspectors, site and SEC, will be contracted by owner.
- SOIL EROSION NOTES:**
1. Silt fence shall be placed downslope of all disturbed areas.
 2. Interim SEC measures shall be the Contractor's responsibility. These shall be taken during construction to minimize erosion during immediate weather concerns.
 3. All slopes 3:1 and greater shall have S75 SEC matting placed immediately after final grade is established.
 4. All disturbed areas must have top soil & seeding (Restoration) immediately after final grade is established.
 5. A certified Storm Water Operator is required to do site inspections. The Contractor is responsible for these inspections and reports. Reports shall be kept on site for DEC or County review.

<p>MAY & Associates, Inc. SURVEYORS 3197 W. M-76, Suite B West Branch, Michigan 48661 Tele: (989) 345-1600 Fax: (989) 345-1100 <small>©2002-2011, MAY & ASSOCIATES, INC.</small></p>	Date: February 1, 2011	DWG No.: S11A25A	<p align="center">VILLAGE OF ROSCOMMON COMMERCIAL DRIVE ENTRANCE</p>	REVISION HISTORY:	Prepared For: Village of Roscommon 214 S. Main Street, P.O. Box 236 Roscommon, Michigan 48653
	Horizontal Scale: 1"=20'	Client / Job: Roscommon:S11A25A		Sheet: LAYOUT PLAN	Vertical Scale: 1"=10'