

SECTION 7, T24N, R2W, HIGGINS TOWNSHIP, ROSCOMMON COUNTY

PROPOSED
2011 VILLAGE OF ROSCOMMON
M-18 DEVELOPMENT
WATER MAIN PROJECT

SECTION 7, T24N, R2W, HIGGINS TOWNSHIP, ROSCOMMON COUNTY

PLAN SHEET INDEX

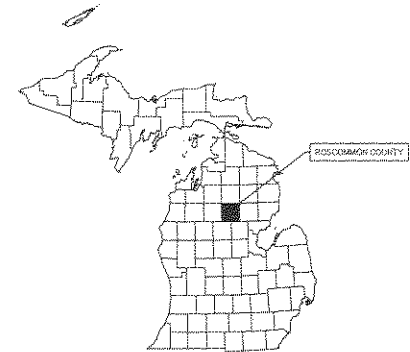
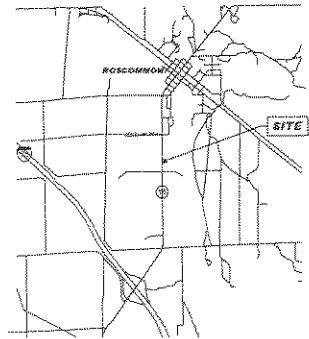
- C1 TITLE SHEET
- C2 LAYOUT, LEGEND AND GENERAL NOTES
- C3 WATER MAIN THRUST BLOCK DETAILS
- C4 WATER DETAILS

A.S.T.M. - A.W.W.A SPEC LIST

WHERE THE FOLLOWING ITEMS ARE CALLED FOR ON THE PLANS, THEY ARE TO BE CONSTRUCTED ACCORDING TO THE STANDARD GIVEN BELOW THAT IS OPPOSITE FROM EACH ITEM, UNLESS OTHERWISE INDICATED BY THE ENGINEER.

WATER MAIN PIPE	C905-97
VALVES	C509-01, C504-00
PRESSURE TESTING	C806-84
HYDRANTS	C802-84

Vicinity Map



TRAFFIC CONTROL AND PERMANENT SIGNING SHALL BE MAINTAINED IN ACCORDANCE WITH SECTIONS 103.06, 103.06 AND 512 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.

THE IMPROVEMENTS COVERED BY THESE PLANS ARE IN ACCORDANCE WITH THE MICHIGAN SAFE DRINKING WATER ACT AND THE RULES PROMULGATED UNDER ACT 506, AS AMENDED.

IT IS UNDERSTOOD THAT THE CONTRACTOR SHALL PERFORM ALL WORK UNDER THIS CONTRACT IN ACCORDANCE WITH ALL APPLICABLE PROVISIONS, POLICIES, RULES AND STANDARDS OF THE MICHIGAN OCCUPATIONAL SAFETY AND HEALTH ACT (PROHIBITING 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.

NOTE: CALL MICHIGAN (800)462-7131
WORKING DAYS PRIOR TO ANY EXCAVATION
FOR UNDERGROUND UTILITY INFORMATION

Plan P 1420 P1 No. 50009
JWA, SMC/SL/A/A
3/24/11

150 FEET OF NEW 12" WATER MAIN, VALVES AND ONE HYDRANT 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 Carlson, Village President
Tim Sadowski, Village Manager

PREPARED UNDER SUPERVISION OF

Prepared For Village of Roscommon 214 S. Main Street, P.O. Box 236 Roscommon, Michigan 49853
PROJECT NO. M-18 DEVELOPMENT WATER MAIN PROJECT
DATE FEBRUARY 1, 2011
DRAWN BY JWA
CHECKED BY SMC
SCALE AS SHOWN
TITLE SHEET

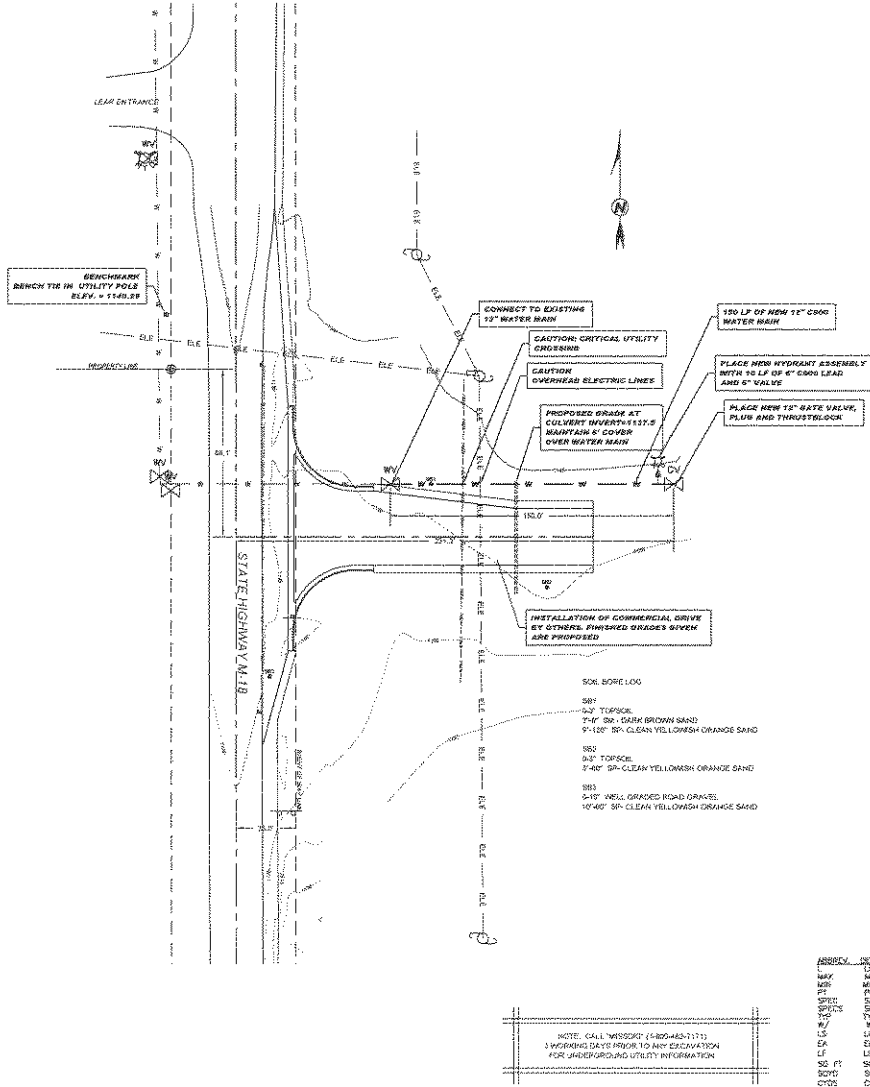
SECTION 7, T24N, R2W, HIGGINS TOWNSHIP, ROSCOMMON COUNTY

GENERAL:

1. BENCHMARK: Set Benchmark Elev = 1140.29 - See this Sheet
2. The contractor shall call "MISS DIG" at 1-800-452-7171 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
 - c). Michigan Department of Environmental Quality
4. The engineer shall apply for and obtain the following permits & approvals:
 - a). Roscommon County SEC & Storm water Permit
 - b). MDEQ Public Water Systems 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 relate to building foot and the very latest plans and specifications that all existing underground facilities have been approved by all applicable permitting 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 permitting agencies, he/she shall seek clarification in writing from the engineer before commencing construction. Failure to do so shall be at the sole expense of 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.)

UTILITY INFORMATION

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



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 5 inches and shall be compacted to 95% of its maximum unit weight.
3. The contractor shall pave-off 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. This includes all areas under pavement areas.
2. 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 REGION 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 575 SEC matting placed immediately after final grade is established.
4. All disturbed areas must have top soil if 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 DEQ or County review.

LEGEND

SYMBOL LEGEND	
UP	UTILITY POLE
HY	HYDRANT
EV	EXISTING GATE VALVE
CB	CATCH BASIN
RI	RISER
LI	LIGHT
SH	SHRUB
EX	EXISTING WAREHOLE
PH	PROPOSED HYDRANT
PGV	PROPOSED GATE VALVE
PHW	PROPOSED WAREHOLE
ML	MOTLAND
W	EXISTING WATER MAIN
PM	PROPOSED WATER MAIN
FM	FIBER OPTIC
EL	ELECTRIC LINES
RS	RIGHT OF WAY LINE
TL	TITLE LINE

NOTE: CALL "MISS DIG" (1-800-452-7171) 3 WORKING DAYS PRIOR TO ANY EXCAVATION FOR UNDERGROUND UTILITY INFORMATION

ABBV.	DESCRIPTION
MAX	MAXIMUM
MIN	MINIMUM
PT	POINT
SP	SPECIFICATION
SP	SPECIFICATIONS
W	WITH
L/S	LAMP SUR
EA	END
LF	LINEAR FEET
SQ FT	SQUARE FEET
SQ YD	SQUARE YARD
STDS	STANDARD

Village of Roscommon
 214 S. Main Street
 Roscommon, Michigan 48869

PROJECT NO. 11-100
 SHEET NO. C-2

VILLAGE OF ROSCOMMON
 M-18 DEVELOPMENT WATER MAIN PROJECT

DATE: February 1, 2011
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 APPROVED BY: [Name]

