

NOTES:

1. THE HORIZONTAL DATUM SHOWN HEREON IS REFERENCED TO THE NAD 83 (2011). NEW YORK STATE PLANE COORDINATE SYSTEM, WEST ZONE (3103). WITH A NETWORK POSITIONAL ACCURACY OF NOT MORE THAN 0.05 FEET (USE ACHIEVED POSITIONAL ACCURACY FROM LEAST SQUARES). SURVEY CONTROL POINTS WERE ESTABLISHED USING PROCEDURES NECESSARY TO ACHIEVE A LOCAL POSITIONAL ACCURACY OF NOT MORE THAN 0.025 FEET (USE ACHIEVED POSITIONAL ACCURACY FROM LEAST SQUARES) (OR) ONE PART IN TWENTY THOUSAND. NETWORK POSITION ESTABLISHED BY GPS (OR) GNSS (STATE OBSERVATION METHOD) FROM CORS STATION (STATION NAME AND NGS PID NUMBER).
2. ALL DISTANCES AND COORDINATES ARE IN U.S. SURVEY FEET UNLESS OTHERWISE NOTED.
3. BASELINE DISTANCES, BEARINGS AND COORDINATES ARE REPORTED AT GRID. TIE DISTANCES ARE REPORTED AT GROUND.
4. THE PROJECT COMBINED SCALE FACTOR IS XXXXXX.
5. THE ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD 88 DATUM. ELEVATIONS WERE ESTABLISHED (STATE METHOD/PROCEDURE AND REFERENCE PASSIVE GEODETIC MONUMENT IF UTILIZED).
6. SURVEY BASELINE CONTROL POINTS ARE SUBJECT TO FROST HEAVE. CAUTION SHOULD BE EXERCISED AND PRIOR TO BEGINNING ANY WORK THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF SURVEY CONTROL POINTS USED IN THE VERTICAL AND HORIZONTAL POSITIONING OF DESIGNED IMPROVEMENTS IN ACCORDANCE WITH COUNTY REQUIREMENTS AND FOR IMMEDIATELY NOTIFYING THE RESIDENT ENGINEER AND THE MONROE COUNTY SURVEYORS OFFICE OF ANY DISCREPANCIES FOUND. WHILE VERIFYING SURVEY BASELINE CONTROL POINTS ADDITIONAL SECONDARY CONTROL POINTS LOCATED AWAY FROM CONSTRUCTION ACTIVITY SHALL BE SET IN ACCORDANCE WITH COUNTY REQUIREMENTS TO INSURE REPRODUCIBILITY OF ORIGINAL PROJECT COORDINATES AND ORIGINAL SURVEY BASELINE. PRIOR TO BEGINNING ANY WORK AND UPON COMPLETION OF SURVEY BASELINE VERIFICATION AND ESTABLISHING SECONDARY CONTROL POINTS, THE CONTRACTOR SHALL SUBMIT A FULL SURVEY REPORT IN ACCORDANCE WITH COUNTY REQUIREMENTS WITH AN ANGLE SETS REPORT AND LEAST SQUARES ANALYSIS REPORT. SURVEY BASELINE AND SECONDARY CONTROL POINTS ARE REQUIRED TO ACHIEVE A LOCAL RELATIVE POSITIONAL ACCURACY OF NOT MORE THAN 0.025 IN ORDER TO MEET THE SURVEY ACCURACY REQUIRED FOR POST CONSTRUCTION PROPERTY CORNER REPLACEMENT, SETTING OF PINS AND CAPS ON RIGHT OF WAY EASEMENT CORNERS AND SETTING OF PERMANENT SURVEY MARKERS.
7. THE PROJECT ENGINEERING DESIGN AND CONSTRUCTION BASELINE IS THE CENTERLINE OF THE HIGHWAY RIGHT OF WAY (OR) CENTERLINE OF PAVEMENT (IDENTIFY WHICH). (ALSO, INCLUDE AN EXPLANATION OF HOW THE ENGINEERING DESIGN AND CONSTRUCTION BASELINE STATIONING VALUES WERE DETERMINED).
8. SEE HIGHWAY BOUNDARY PLAN ON FILE IN THE MONROE COUNTY SURVEYORS OFFICE FOR RIGHT OF WAY SURVEY.

USE ONE OF THE FOLLOWING EXAMPLES DEPENDING ON CONSULTANT / COUNTY SURVEY INVOLVEMENT.

COMPANY OR LICENSED LAND SURVEYOR'S NAME HEREBY CERTIFIES THAT RIGHT OF WAY SURVEY WAS MADE FOR THE PURPOSE OF SURVEYING AND RETRACING THE EXISTING CENTERLINE OF RIGHT OF WAY, RIGHT OF WAY LIMITS AND HISTORIC LAND ACQUISITIONS AND/OR EASEMENTS THAT SERVE THE OPERATION AND MAINTENANCE OF THE HIGHWAY. THIS SURVEY WAS COMPLETED FROM NOTES OF AN INSTRUMENT SURVEY COMPLETED ON **DATE** AND FROM THE REFERENCES SHOWN ON THE HIGHWAY BOUNDARY PLAN ON FILE IN THE MONROE COUNTY SURVEYOR'S OFFICE, AND WAS PRODUCED IN ADHERENCE TO THE STANDARDS AND PROCEDURES SET FORTH BY THE MONROE COUNTY SURVEYOR'S OFFICE. IT IS FURTHER CERTIFIED THAT THE PROJECT SURVEY BASELINE SURVEY WAS COMPLETED IN ACCORDANCE WITH THE COUNTY OF MONROE REQUIREMENTS.

SIGNATURE OF LICENSED LAND SURVEYOR _____ **LS SEAL**

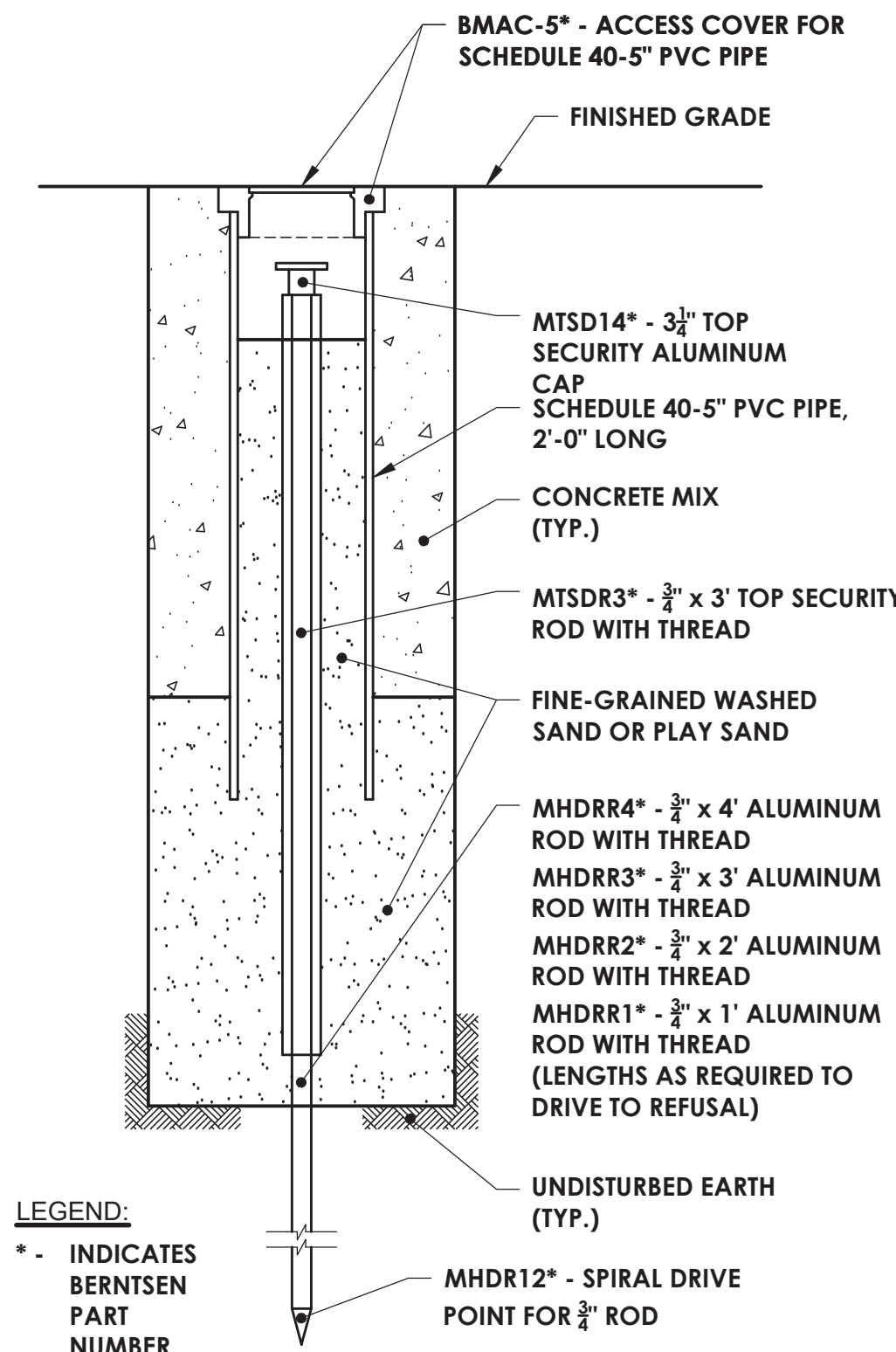
LICENSED LAND SURVEYOR'S NAME

LICENSED LAND SURVEYOR'S NYS LICENSE NUMBER

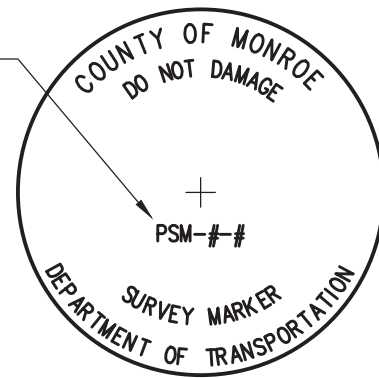
COMPANY OR LICENSED LAND SURVEYOR'S NAME HEREBY CERTIFIES THIS PROJECT SURVEY BASELINE SURVEY WAS COMPLETED IN ACCORDANCE WITH COUNTY OF MONROE REQUIREMENTS.

SIGNATURE OF LICENSED LAND SURVEYOR _____ **LS SEAL**

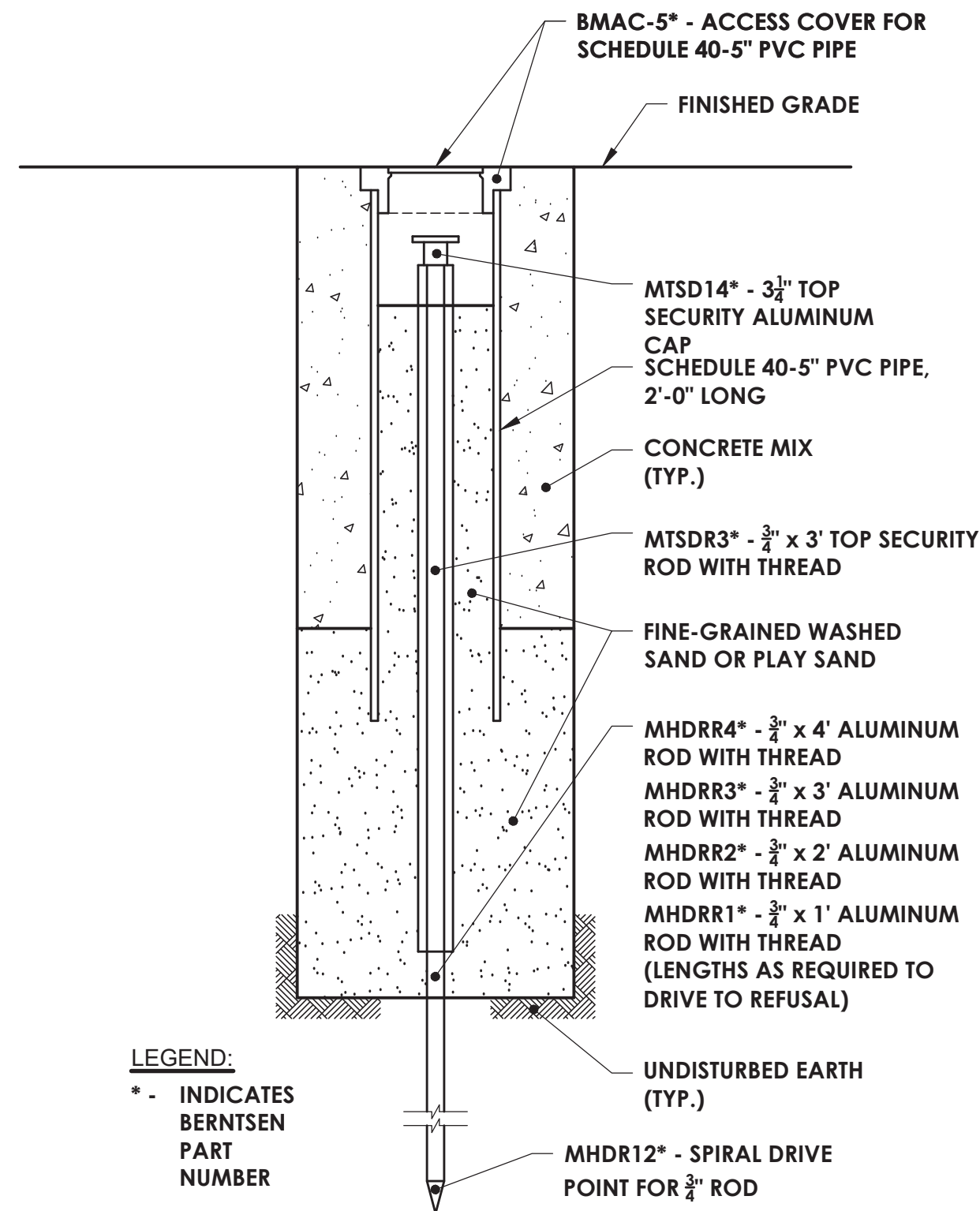
LICENSED LAND SURVEYOR'S NAME
LICENSED LAND SURVEYOR'S NYS LICENSE NUMBER



FIRST NUMBER FOLLOWING PSM
INSCRIPTION TO BE COUNTY
ROAD NUMBER FOLLOWED BY
SEQUENTIAL NUMBERING
BEGINNING WITH ONE



PERMANENT SURVEY MARKER
CAP INSCRIPTION
N.T.S.

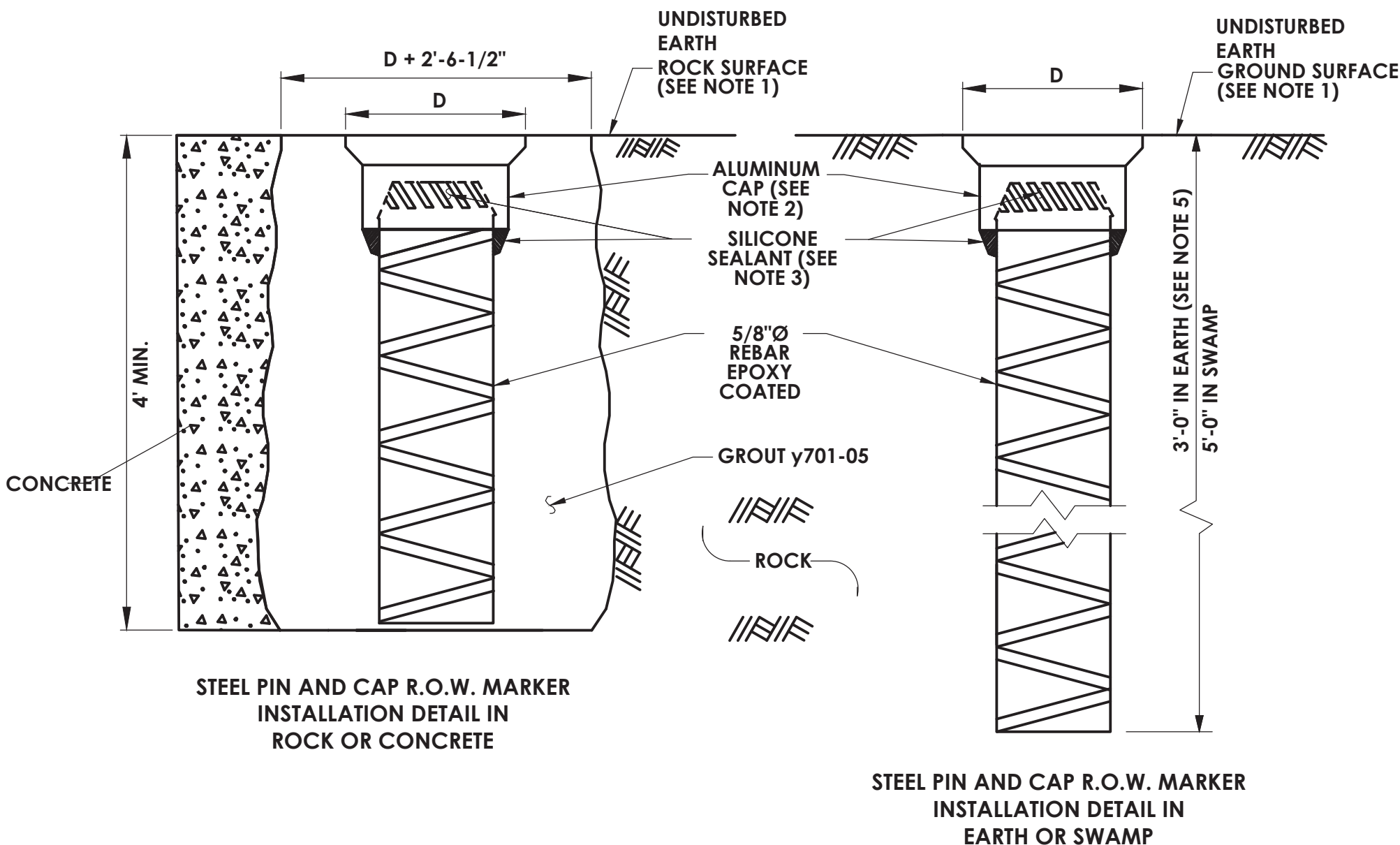


NUMBER TO BE PROVIDED
BY COUNTY SURVEYOR



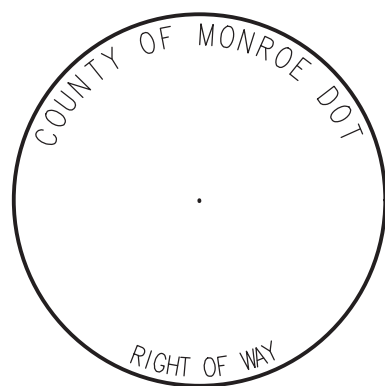
GEODETIC MONUMENT
CAP INSCRIPTION
N.T.S.

PERMANENT SURVEY MARKER

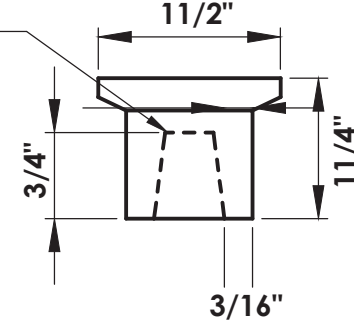


NOTES:

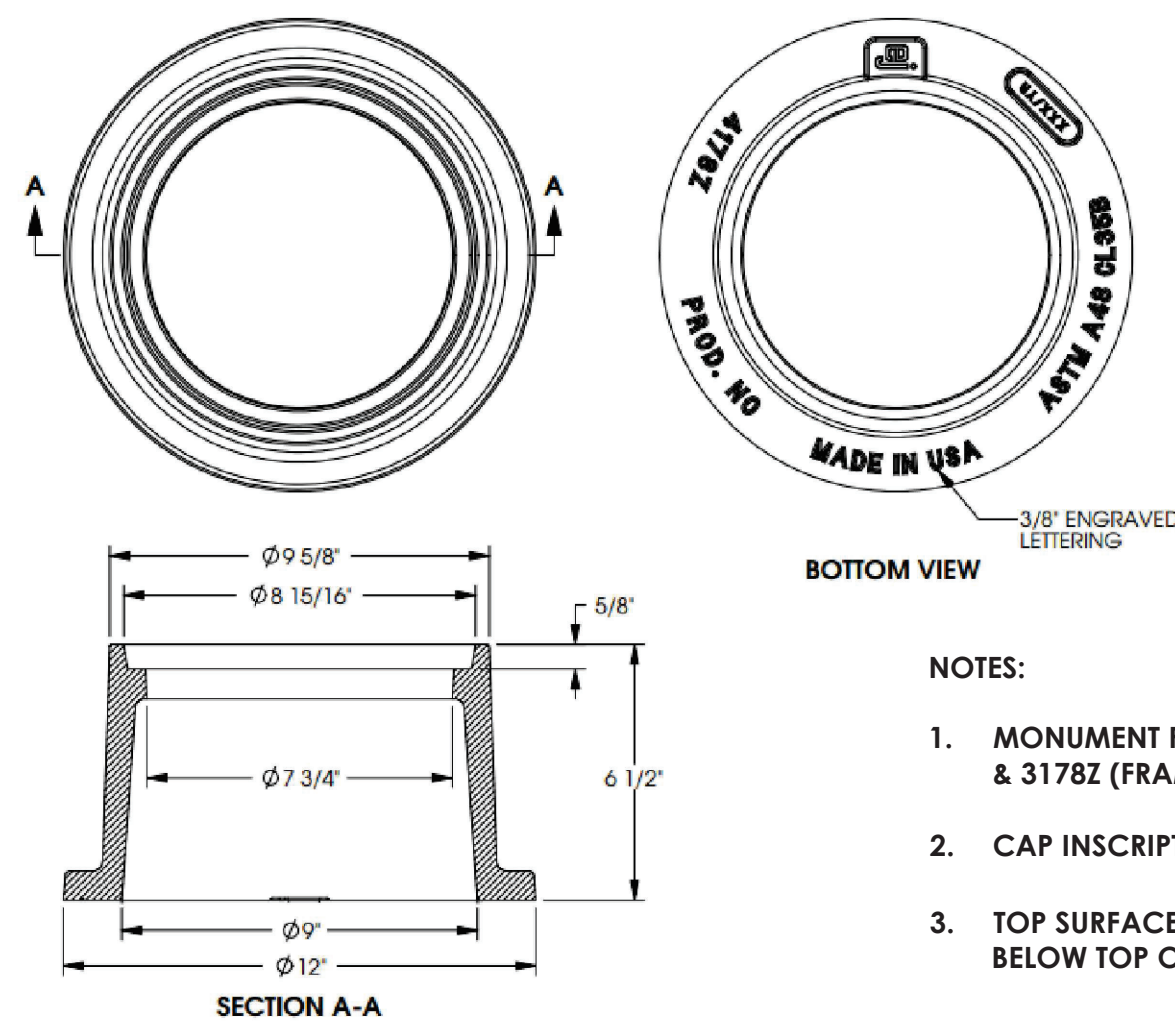
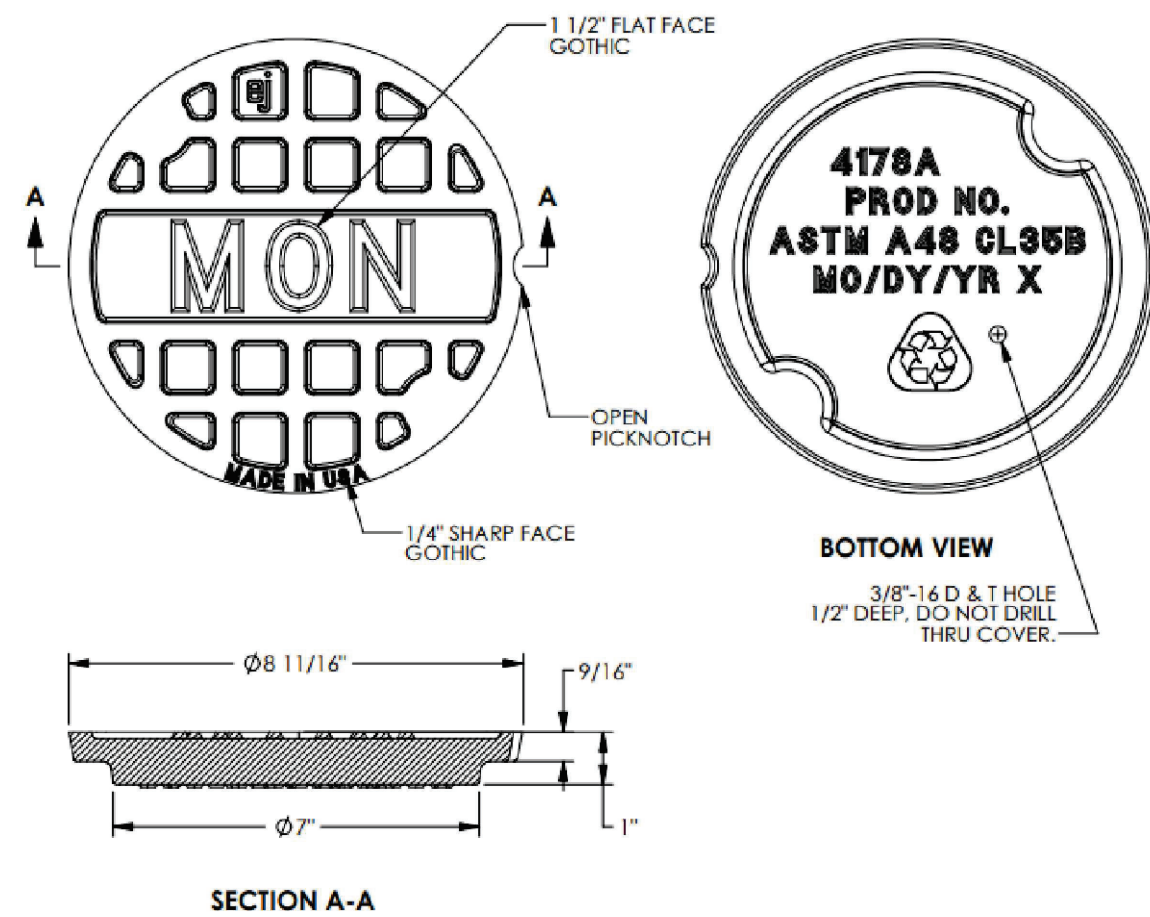
1. CAP SET FLUSH TO SURFACE.
2. SURFACE OF ALUMINUM CAP TO BE IN CONTACT WITH CONCRETE. GROUT SHALL BE THOROUGHLY COATED WITH ZINC CHROMATE PRIMER, 708-04.
3. REBAR SHALL BE DRIVEN WITH A DRIVING CAP ACCEPTABLE TO THE EIC AND DESIGNED TO PREVENT "MUSHROOMING" OF THE TOP OF THE REBAR DURING DRIVING. SILICONE SEALANT IS NOT REQUIRED IF THE R.O.W. MARKER CAP IS FITTED WITH A PREFORMED PLASTIC INSERT.
4. SHAPE OF THE MARKER CAP IS APPROXIMATE. OTHER SHAPES WILL BE ACCEPTED IF THEY CONFORM TO THE MINIMUM WEIGHT AND DIMENSIONS GIVEN IN THE MARKER CAP DETAIL. THE MARKER CAP SHALL FIT TIGHTLY TO THE REBAR. MARKER CAPS WHICH MAY BE REMOVED FROM THE REBAR WITH MINIMUM OR MODERATE EFFORT WILL NOT BE ACCEPTED.
5. LENGTH OF REBAR MAY BE REDUCED A.O.B.E. IF AN OBSTRUCTION WHICH CANNOT BE PENETRATED IS ENCOUNTERED. HOWEVER, THE LENGTH OF THE SHANK WILL NOT BE LESS THAN 2'-0" IN HARD, DENSE, OR STONY SOIL. REBAR TO BE EPOXY COATED.
6. ALUMINUM CAP SHALL BE MARKED BY A 1/8" DIAMETER DRILL HOLE.



TAPERED RECESS 3/4" MIN. OR THREADED WITH OR WITHOUT TAPER (SEE NOTE 4) —




STEEL PIN AND CAP R.O.W. MARKER



NOTES:

1. MONUMENT FRAME AND COVER SHALL BE EJ CO. 3178A (COVER) & 3178Z (FRAME), OR APPROVED EQUAL.
2. CAP INSCRIPTION SHALL READ "MON".
3. TOP SURFACE OF MONUMENT CAP SHALL BE SET NO MORE THAN $\frac{1}{8}$ " BELOW TOP OF ADJACENT ASPHALT/CONCRETE.

GEODETIC MONUMENT CAST IRON FRAME AND COVER

PROJECT NAME		 DEPARTMENT OF TRANSPORTATION 50 WEST MAIN STREET, SUITE 6100 ROCHESTER, NEW YORK 14614-1231 UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW ARTICLE 145, SECTION 7209	CONSULTANT		NO. DATE BY:	REVISION
COUNTY ROAD #			Consultant Address (585) 867-5309 Rochester, New York xxxxxx Fax: (585) 867-5309			
PROJECT NAME			PROJECT MANAGER:			
LIMITS			DRAWN BY:			
PROJECT LIMITS			MANAGER			
TOWN						
TOWN						
CAPITAL PROJECT NO.						
XXXX XX						
SURVEY						
SCALE: NOT TO SCALE						
DATE ISSUED: DATE						
DRAWING NO.						
1 OF 4						