

KEY NOTES:

- (C1) INSTALL RIP-RAP DOWN FILL SLOPE PER DETAIL 4/C1.1.
- (C2) NOT USED.
- (C3) NOT USED.
- (C4) INSTALL 45LF OF 15" Ø PIPE W/F.E.S. AT BOTH ENDS. REFER TO PIPE NOTES.
- (C5) MATCH NEW PAVEMENT FLUSH WITH EXISTING PAVEMENT.
- **C6** SAWCUT EXISTING PAVEMENT.
- (C7) ADA PARKING AREA PER DETAIL 3/C1.1
- (C8) PROVIDE TRAFFIC CONTROL PER DETAIL 4/C1.4 AND MODOT REQUIREMENTS.
- CONTRACTOR TO COORDINATE WITH THE CITY OF MARSHFIELD AND MODOT FOR REMOVAL OF THE EXISTING LIFT STATION ACCESS AND RE-GRADE OF

ROADSIDE DITCH.

NEW LOCATION OF SPEED LIMIT SIGN.

STORMWATER CALCULATIONS:

1.65 AC

0.48 AC

0.80 AC

POST DEV ON-SITE DRAINAGE AREA

TIME OF CONCENTRATION= 5 MIN

COMBINED POST DEV FLOWS

RUNOFF COEFFICIENT= 0.73

AREA= 1.65 AC

2 YEAR: 110.57 CFS

10 YEAR: 163.01 CFS

100 YEAR: 240.83 CFS

SITE AREA = PROPOSED DRAINAGE AREA= 1.65 AC EXISTING IMPERVIOUS = PROPOSED IMPERVIOUS = OFFSITE DRAINAGE AREA AREA= 63.35 AC

RUNOFF COEFFICIENT= 0.70 TIME OF CONCENTRATION= 36 MIN PRE-DEV ON-SITE DRAINAGE AREA

AREA=1.65 AC RUNOFF COEFFICIENT= 0.64 TIME OF CONCENTRATION= 5 MIN

COMBINED PRE-DEV FLOWS 2 YEAR: 110.57 CFS

10 YEAR: 163.01 CFS 100 YEAR: 240.83 CFS

SCALE: 1" = 500'

THE DEVELOPED SITE WILL NOT INCREASE PEAK FLOWS TO ANY NEIGHBORING PROPERTIES AS THE SITE IS LOCATED IN A LARGE WATERSHED. THE DEVELOPED FIRE STATION SITE FLOWS WILL LEAVE THE SITE MORE QUICKLY THAN THE PEAK FLOW REACHES THE SITE LOCATION FROM THE OFF-SITE DRAINAGE AREA. NO ON-SITE DETENTION OR WATER QUALITY IS PROVIDED FOR THIS DEVELOPMENT.



SPECIAL NOTE:

CONTRACTOR TO PERFORM DETAILED SITE INSPECTION TO LOCATE ALL EXISTING UTILITES AND VERIFY ANY POSSIBLE CONFLICTS WITH PROPOSED IMPROVEMENTS PRIOR TO BEGINNING ANY CONSTRUCTION. CONTACT ENGINEER WITH ANY CONFLICTS.

CAUTION:

EXISTING SURFACE FEATURES, STRUCTURES, ETC, AND UNDERGROUND INSTALLATIONS SUCH AS WATER MAINS, GAS MAINS, SEWERS, TELEPHONE LINES, FIBER OPTIC LINES AND BURIED STRUCTURES ARE INDICATED ON THE DRAWING ONLY TO THE EXTENT SUCH INFORMATION HAS BEEN MADE AVAILABLE TO OR DISCOVERED BY THE SURVEYOR IN PREPARING THIS DRAWING. THERE IS NO GUARANTEE AS TO THE ACCURACY OR COMPLETENESS OF SUCH INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

GENERAL NOTES:

- CONSTRUCTION.
- 5. ALL IMPROVED RUNOFF TO DRAIN TO DRAINWAYS.
- 8. COORDINATE WORK WITH OTHER SITE RELATED DEVELOPMENT DRAWINGS.
- SITE EXCAVATION REQUIREMENTS.
- OF DOOR.

SAFETY NOTES:

- CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE.



NOTES:

- AS UNIFORM, IN SECTION AS PRACTICAL.
- OF THE STONES SHALL WEIGH MORE THAN 100 POUNDS EACH.
- BOTTOM



DRAINAGE AREA MAP - 1460.15 EPVT - 1460.3 EPVT

- 1460.2 EPVT

(C1.1) SCALE: 1"=10'

- 1460.4 EPVT

HANDICAP AREA SLOPE TO NOT EXCEED 2% IN ANY DIRECTION

3 HANDICAP PARKING AREA



C1.1