

Attached Schedule A

9. State the practical difficulties which prevent conformance with the Zoning Ordinance requirements (attach separate sheet if necessary):

Mr. Charles Boulard from the Building Department cannot renew the Temporary Special Land Use Permit that has expired on September 1, 2010. The current project on I-96 & Novi Road has been delayed. Failure to complete would result in back charges from the contractor. Therefore it is necessary to request for this project a temporary permit to finish recycling broken concrete.

Completion date for this project is December 15, 2010. Two prior temporary permits have been issued that are expired. Mid-Michigan Crushing & Recycling, Inc. has been given until September 23, 2010 to remove all concrete material and processing equipment from this lot and return the lot to the previously existing condition by expiration. We do not have control of this MDOT (Michigan Department of Transportation) project to be able to force MDOT and the contractor Dan's Excavating, Inc. to use this material by September 23, 2010. Mid-Michigan Crushing & Recycling, Inc. and Dan's Excavating, Inc. are proceeding as fast as possible to complete on time.

10. Describe any unique circumstances regarding the property (i.e. shape, topography, etc.) which are not common to other properties in the area and which prevent strict compliance with the Zoning Ordinance:

Hayes Companies have used this site since 1979 as a truck, heavy equipment repair and aggregate material storage site. The site has been re-zoned I-1 with Grand-Fathered Right of I-2. As long as there is continued I-2 usage.

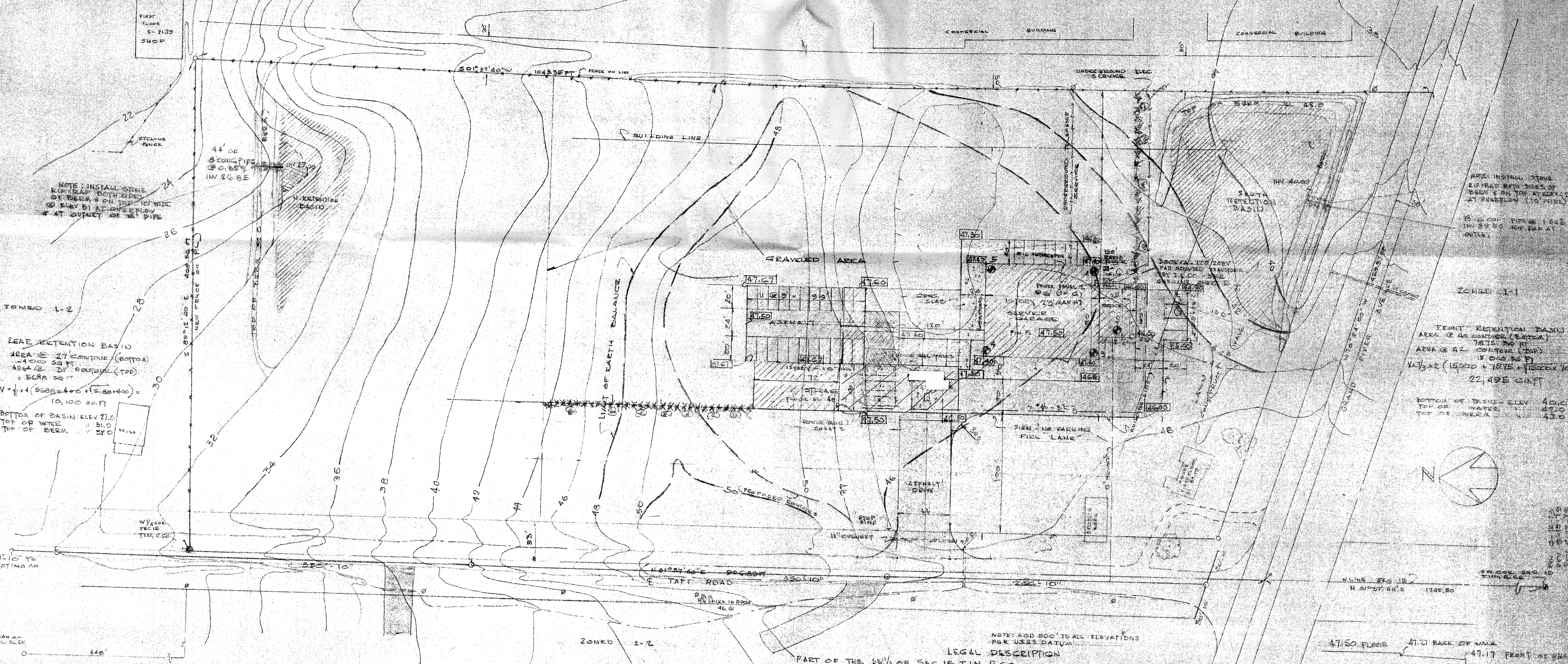
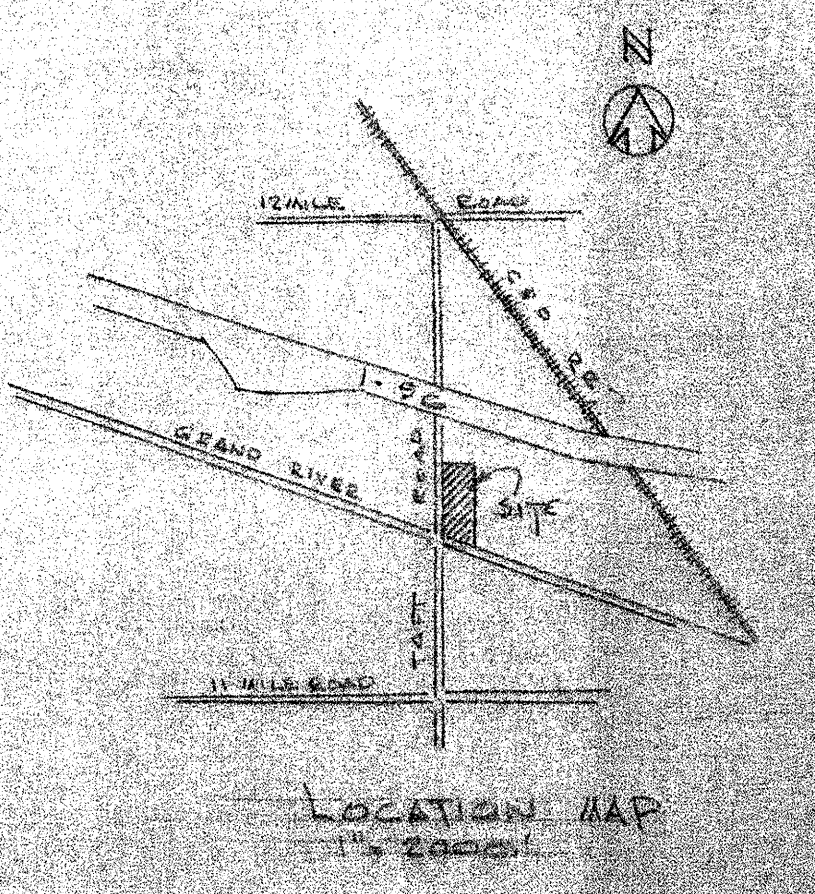
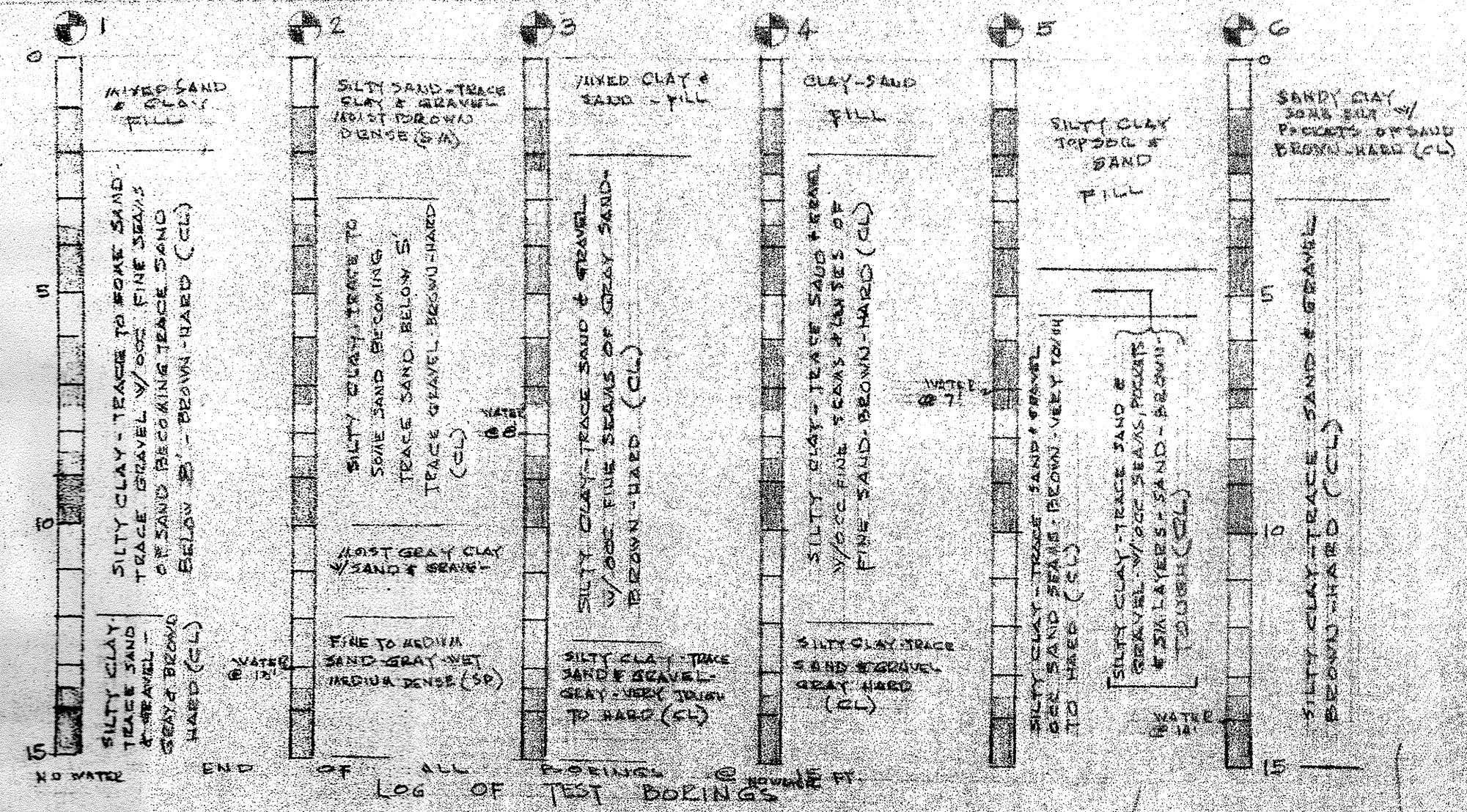
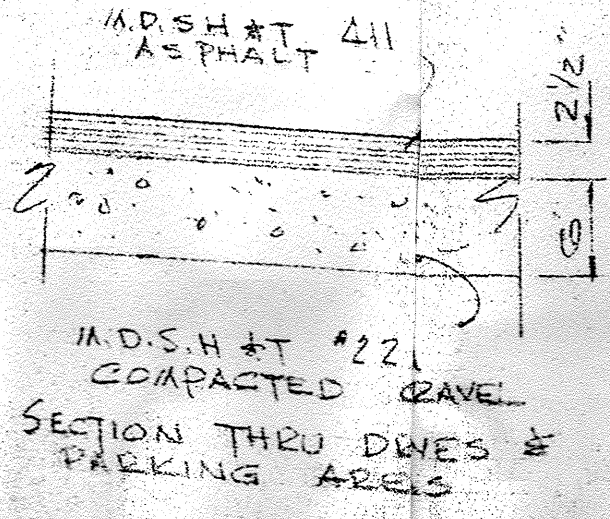
BASES OF COMPUTING THE STORM WATER RUN-OFF FROM THE SITE THE PROPERTY IS DIVIDED INTO TWO SECTIONS BY THE RIDGE
 THE TOTAL SITE AREA OF 9.15 A, 1/2 IN ROAD ROWS LEAVING A NET SITE AREA OF 7.97 A OF WHICH 3.75 A IS N.W. OF THE DIVIDE &
 4.22 A IS SOUTH OF THE DIVIDE

NORTH AREA
 $Q_A = 3.75 \times 0.20 = .75 \text{ CFS}$
 GRASS AREA - 2.74 A - C₁ = .15
 GRAVELLED " - 1.01 A - C₂ = .85 } Composite C₁ = .359
 $Q_0 = \frac{.71}{3.75 \times .359} = .558$
 $T_0 = 2.5 \times \frac{1.49}{.558} = 85.45$
 $V_0 = \frac{10,500 \times 85.45}{85.45 \times 2.5} = 40 \times 1.578 \times 85.45 = 6216.23$

USING A CONIC PIPE OUTLET FROM RETENTION BASIN
 AN 8" PIPE @ 0.5% SLOPE WILL HANDLE 19 CFS
 CONSTRUCTION OF AN EARTH BERM WITH A TOP ELEVATION
 OF 38 & A RIP-RAPPED OVER FLOW AT ELEV 31
 PROVIDES STORAGE FOR APPROX 19,100 CUBIC FEET OF STORAGE
 WHILE OFFERING PROTECTION TO THE PROPERTY TO THE
 NORTH
 RESTRICT 6" OUTLET TO PROVIDE 15 CFS @ 4" HEAD

SOUTH AREA
 $Q_A = 4.22 \times 0.20 = .844 \text{ CFS}$
 LAWN AREA 2.07
 GRAVEL " 1.18 } Composite C₁ = .58
 PAVED WALK " .97 }
 $Q_0 = \frac{.844}{4.22 \times .58} = .377$
 $T_0 = 2.5 \times \frac{1.49}{.377} = 106.94 \text{ MIN}$
 $V_0 = \frac{10,500 \times 106.94}{106.94 \times 2.5} = 40 \times 1.37 \times 106.94 = 6898$

USING A CONIC PIPE OUTLET FROM RETENTION BASIN
 AN 8" CONIC PIPE @ 1.80% SLOPE WILL HANDLE
 .84 CFS
 AN EARTH BERM WITH A TOP ELEVATION OF 43 & A RIP-RAPPED OVER FLOW AT ELEV 42
 WILL PROVIDE FOR APPROX 22,495 CUBIC FEET OF STORAGE
 RESTRICT 6" OUTLET TO PROVIDE 5.44 CFS @ 2" HEAD
 $5.44 \times 75 \times 60 = 19,656 \text{ CUBIC FEET}$
 $379.8 = 16.94 \text{ DZ}$
 $d = 4.735$
 USE 4" OPENING IN 6" PUG
 IN OUTLET PIPE



REAR RETENTION BASIN
 AREA @ 27' CONTOUR (BOTTOM)
 AREA @ 30' CONTOUR (TOP)
 AREA @ 31' CONTOUR (TOP)
 $V = \frac{1}{2} \times 4 \times (5682 + 400 + 5280 + 400) = 10,100 \text{ CU FT}$
 BOTTOM OF BASIN ELEV 27.0
 TOP OF WATER 31.0
 TOP OF BERM 38.0

FRONT RETENTION BASIN
 AREA @ 40' CONTOUR (BOTTOM)
 AREA @ 42' CONTOUR (TOP)
 AREA @ 43' CONTOUR (TOP)
 $V = \frac{1}{2} \times 2 \times (15000 + 1875 + 15222 + 1875) = 22,495 \text{ CU FT}$
 BOTTOM OF BASIN ELEV 40.0
 TOP OF WATER 42.0
 TOP OF BERM 43.0

LEGAL DESCRIPTION
 PART OF THE SW 1/4 OF SEC 15, T14N, R6E, BEGINNING AT THE W 1/4 CORNER OF SAID SEC 15, THENCE ALONG THE E-W LINE OF SAID SEC 15 S89°12'40" E 408.86 FT, THENCE S01°37'40" W 1045.35 FT TO A POINT ON THE E OF GRAND RIVER AVE, THENCE ALONG SAID E-N TO 24°00' W 429.57 FT, TO A POINT ON THE W LINE OF SAID SEC 15, THENCE N01°37'40" E 900.88 FT, TO THE POINT OF BEGINNING CONTAINING 6.448 ACRES MORE OR LESS, SUBJECT TO THE RIGHTS OF THE PUBLIC OVER GRAND RIVER AVENUE & TAFT ROAD, SUBJECT ALSO TO OTHER EASEMENTS & RESTRICTIONS, IF ANY.

EARTH BERM @ RETENTION BASINS
 SCALE 1" = 4'

KEY TO SCREEN PLANTINGS
 COLUMNAR ARBOR VITAE C' @ C (5' HIGH)
 EUCONYDUS - 20' @ C (10' HIGH) PLANT IN FRONT OF ALGAE VITAE

W. B. EDWARDS
 Registered Professional Engineer
 License No. 1012
 Date: 10-17-75
 Drawn by: V.B.S.
 FILE NO. 1012-75
 GRAND RIVER AVENUE, NOV, MICHIGAN
 PROPOSED BUILDINGS & STANLEY E. HAYES