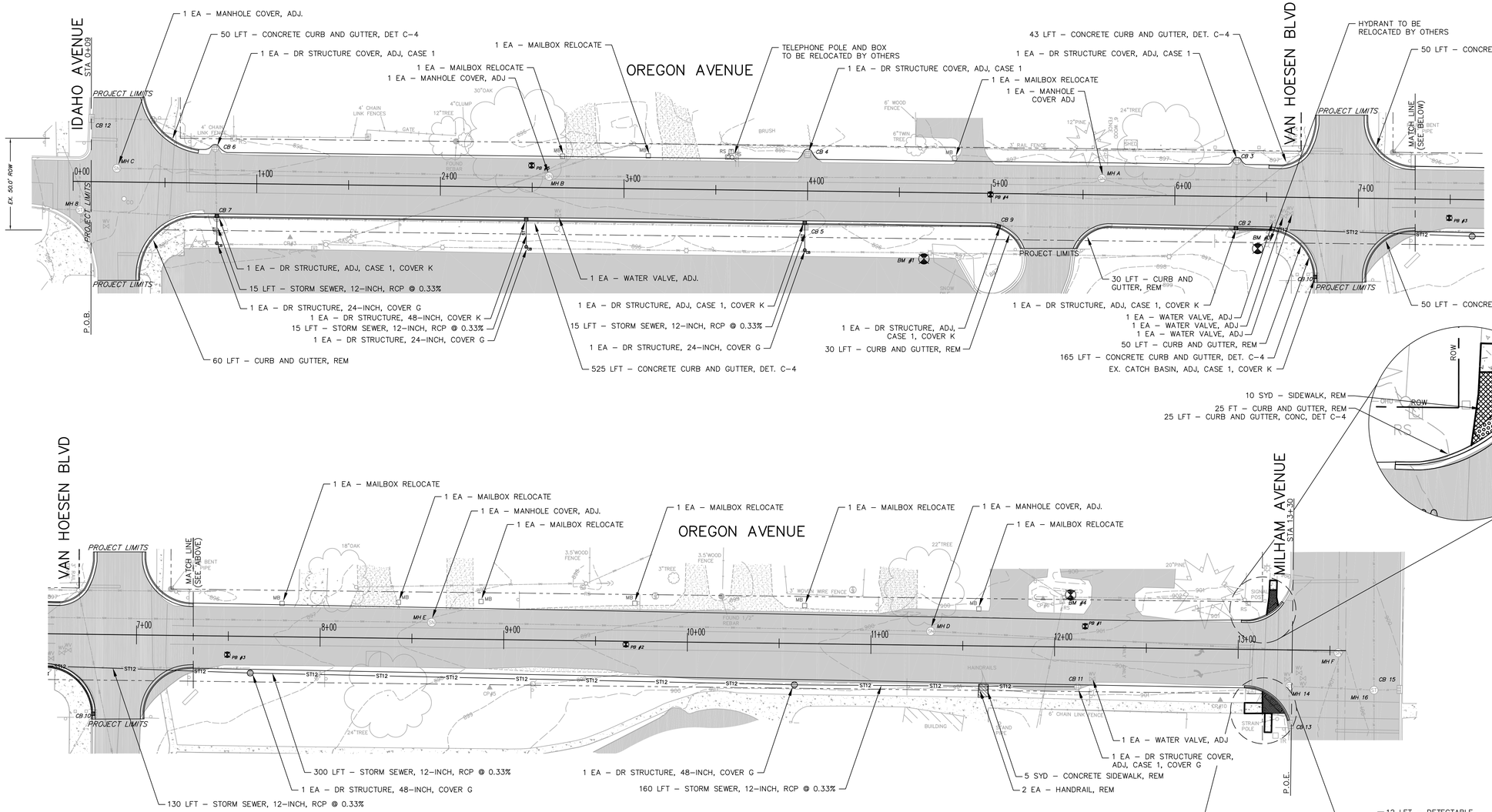
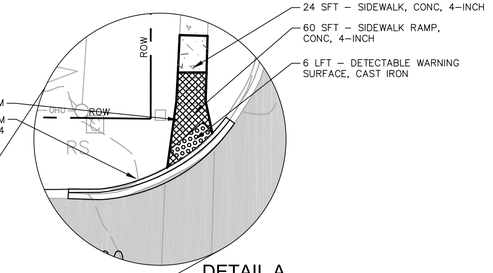
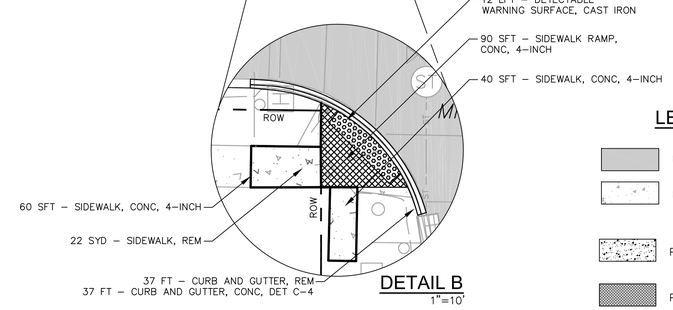




DETAIL A
1"=10'



DETAIL B
1"=10'

LEGEND

- EXISTING PAVEMENT
- EXISTING SIDEWALK
- PROPOSED SIDEWALK
- PROPOSED SIDEWALK RAMP
- PROPOSED DETECTABLE WARNING SURFACE

BENCH MARK DATA

ELEVATIONS BASED ON NAVD '88 DATUM, DERIVED FROM GPS OBSERVATIONS.

BM #1 ELEV. 898.12' (NAVD '88)
60d SPIKE IN THE WEST FACE OF A WOODEN LIGHT POLE, LOCATED ON THE EAST SIDE OF THE PARKING LOT, BEING THE 2ND LIGHT POLE NORTH OF THE SOUTH ENTRANCE TO THE PARKING LOT.

BM #2 ELEV. 898.56' (NAVD '88)
CHISELED SQUARE IN THE TOP – NORTH SIDE OF A CONCRETE LIGHT POLE BASE, LOCATED AT THE SOUTH END OF THE PARKING LOT, SOUTH OF THE SOUTH ENTRANCE DRIVE.

BM #3 ELEV. 897.76' (NAVD '88)
CHISELED "X" ON TOP OF THE SOUTHWEST FLANGE BOLT ON HYDRANT, LOCATED AT THE NORTHWEST
CORNER OF THE INTERSECTION OF OREGON & VAN HOESEN.

BM #4 ELEV. (NAVD '88)
SET 60D SPIKE ON WEST SIDE OF UTILITY POLE ON EAST SIDE OF OREGON, BY 25 MPH SIGN, 153' NORTH OF
THE INTERSECTION OF OREGON AND MILHAM.

PAVEMENT BORINGS

PB#	HMA Thickness (Inches)
1	3.5
2	3.5
3	3.0
4	2.875
5	4.125

STORM SEWER DATA

CB 1 RIM= 896.30
LEACHING BASIN
(SW) 6" PVC 893.87
BOT. 886.28

CB 2 RIM= 895.49
(N) 12" RCP 892.77
(S) 12" RCP 892.77
(E) 12" RCP 892.77
BOT. 892.65

CB 3 RIM= 895.55
(W) 12" RCP 892.95
BOT. 892.95

CB 4 RIM= 895.83
NO PIPE VISIBLE
BOT. 888.34

CB 5 RIM= 895.42
LEACHING BASIN
(N) 12" PVC 892.01
(S) 12" RCP 892.01
BOT. 899.86

CB 6 RIM= 894.05
(NNE) 12" RCP 892.05
(W) 12" RCP 891.90
BOT. 891.90

CB 7 RIM= 894.33
(N) 12" RCP 891.58
(S) 12" RCP 891.58
(E) 12" RCP 891.58
BOT. 891.58

MH 8 RIM= 894.47
(S) 12" RCP 891.23
(E) 12" CPP 890.55
(N) 12" CPP 889.71
BOT. 889.47

CB 9 RIM = 896.12
(N) 12" RCP 892.17
(S) 12" RCP 892.17
BOT. 890.52

CB 10 RIM = 896.25
(NW) 12" SLCPP 892.35
BOT. 890.45

CB 11 RIM = 900.04
LEACH BASIN
BOT. 891.24

CB 12 RIM = 894.14
(S) 12" RCP 892.39
BOT. 892.39

CB 13 RIM = 900.37
(E) 12" RCP 897.27

MH 14 RIM = 900.52
(S) 12" RCP 896.07
(W) 12" RCP 896.67
BOT. 869.07

CB 15 RIM = 900.10
(N) 12" RCP 895.87

MH 16 RIM = 900.64
(N) 12" RCP 893.57
(W) 18" RCP 893.57
(E) 18" RCP 893.59
(S) 12" RCP 894.67

SANITARY SEWER DATA

MH A RIM = 896.99
(N) 8" PVC 886.68
(S) 8" PVC 886.79

MH B RIM = 896.07
(N) 8" PVC 885.34
(S) 8" PVC 885.41

MH C RIM = 894.80
(E) 8" PVC 884.38
(S) 8" PVC 884.38

MH D RIM = 900.43
(N) 8" PVC 889.18
(S) 8" PVC 889.33

MH E RIM = 898.11
(N) 8" PVC 888.04
(S) 8" PVC 888.04

MH F RIM = 900.97
(W) TO DEEP
(E) TO DEEP
(S) 9" PVC 883.19

THIS LINE SCALES 1" WHEN PLOTTED TO NOTED SCALE

CITY OF PORTAGE, MICHIGAN
OREGON AVENUE
ROADWAY IMPROVEMENTS

NO.	DATE	REVISIONS AFTER ISSUED FOR BID	BY
5			
4			
3			
2			
1			

STATUS:	FINAL PLANS	DESIGNED	DRAWN	CHECKED
DATE:	06/20/13	JLH	WBL	JJB

ROADWAY PLAN

JOB NO. 774–6697.004
SCALE 1"=30'

Jones & Henry Engineers, Ltd.
www.jhengr.com
Fluid Thinking...

SHEET NO. 2
2 OF 3

KAL: 6697004PP01–Layout1
06/20/2013 11:11
XREF: 6697004SURV