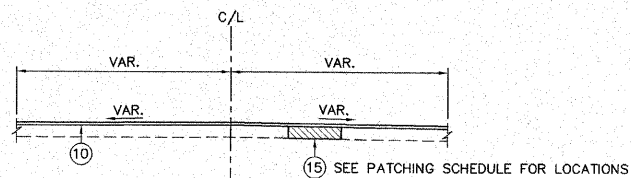


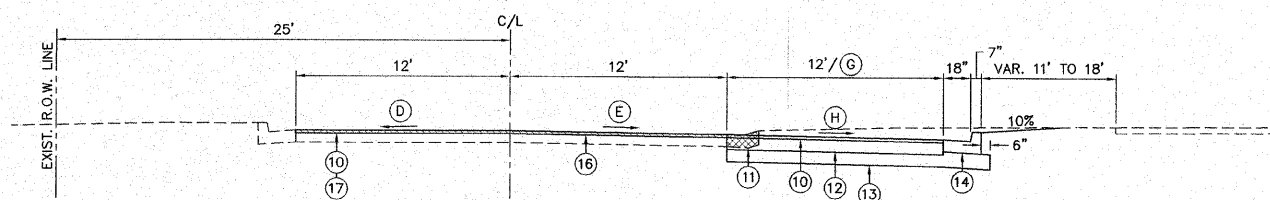
I VARIES 1.50% TO 2.00%

NOTE: INCREASE DEPTH OF H.M.A. SURF. CSE. TO MAINTAIN MAX. SLOPE OF 2.00%

PROPOSED TYPICAL SECTION  
RAND AVENUE  
STA. 6+91 TO STA. 7+63



PROPOSED TYPICAL SECTION  
RAND AVENUE  
STA. 6+15 TO STA. 6+91



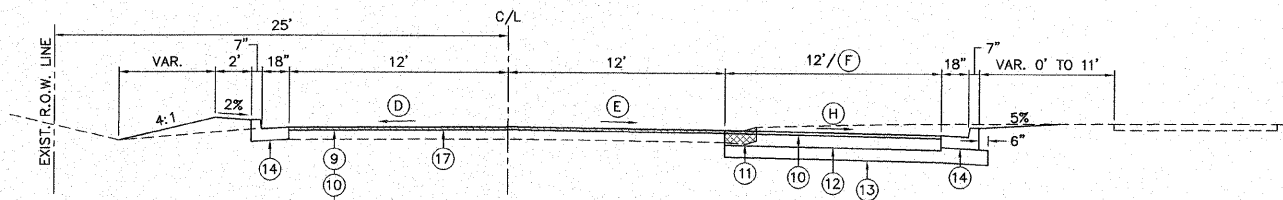
D VARIES FROM 1.50% TO 2.00%

E 2.00%

G WIDTH VARIES FROM 12' AT STA. 5+70 TO 0' AT STA. 6+15  
CONSTRUCT 1' STUB AT STA. 6+05

H VARIES 2% TO 2.5%

PROPOSED TYPICAL SECTION  
RAND AVENUE  
STA. 4+40 TO STA. 6+15



D VARIES FROM 1.5% TO 2.00%

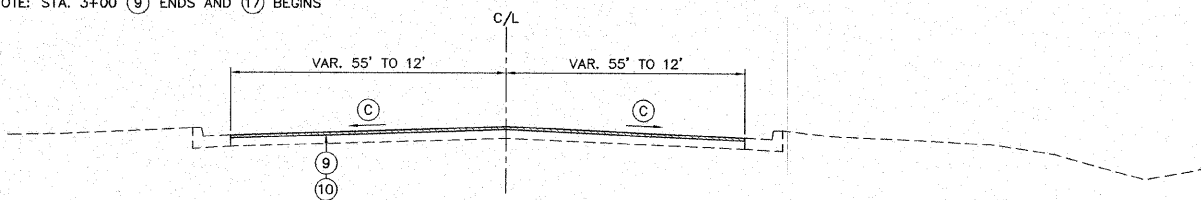
E VARIES FROM 1.5% TO 2.00%

F WIDTH VARIES FROM 0' AT STA. 2+56 TO 12' AT STA. 3+02  
CONSTRUCT 1' STUB AT STA. 2+65

H VARIES 2% TO 2.5%

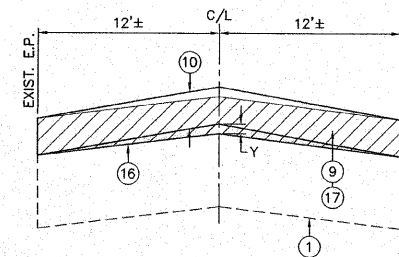
PROPOSED TYPICAL SECTION  
RAND AVENUE  
STA. 2+56 TO STA. 4+40

NOTE: STA. 3+00 (9) ENDS AND (17) BEGINS



C VARIES FROM 1.50% TO 4.50%

PROPOSED TYPICAL SECTION  
RAND AVENUE  
STA. 1+00 TO STA. 2+56



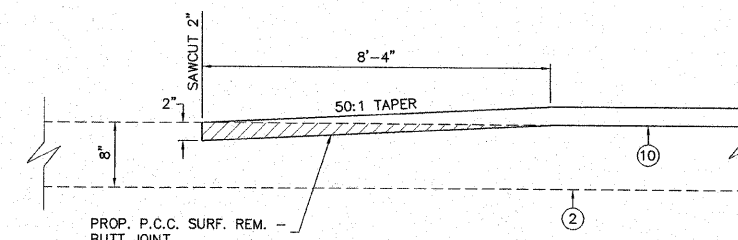
LEVELING BINDER DEPTHS

N.T.S.  
TO BE USED: STA. 2+50 TO STA. 6+05

STA.	LT. E.P. (FT.)	C/L (FT.)	RT. E.P. (FT.)
2+50	0.00	0.00	0.00
2+75	0.00	0.00	0.00
3+00	0.00	0.00	0.00
3+25	0.00	0.00	0.00
3+50	0.00	0.02	0.00
3+75	0.00	0.05	0.00
4+00	0.00	0.04	0.00
4+25	0.00	0.04	0.06
4+50	0.00	0.03	0.12
4+75	0.00	0.06	0.06
5+00	0.00	0.08	0.00
5+25	0.00	0.05	0.00
5+50	0.00	0.03	0.00
5+75	0.00	0.00	0.00
6+00	0.00	0.00	0.00
6+05	0.00	0.00	0.00

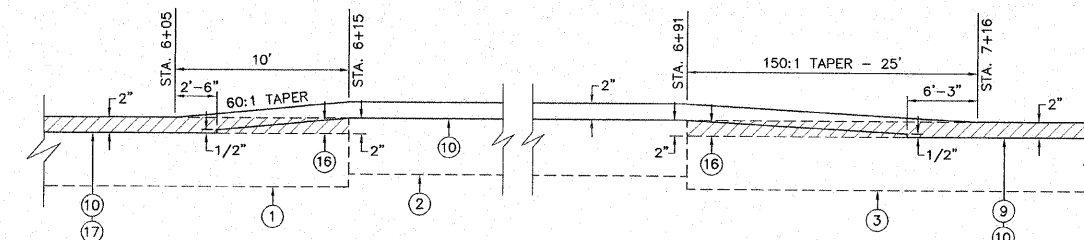
H.M.A. SURF. REM., VAR. DEPTH REMOVAL DEPTHS			
STA.	LT. (FT.)	C/L (FT.)	RT. (FT.)
2+50	0.17	0.17	0.17
2+75	0.27	0.17	0.26
3+00	0.18	0.17	0.20
3+25	0.17	0.04	0.13
3+50	0.14	0.00	0.09
3+75	0.04	0.00	0.02
4+00	0.04	0.00	0.00
4+25	0.02	0.00	0.00
4+50	0.09	0.00	0.00
4+75	0.04	0.00	0.00
5+00	0.10	0.00	0.00
5+25	0.17	0.00	0.00
5+50	0.17	0.00	0.05
5+75	0.12	0.04	0.00
6+00	0.17	0.11	0.14
6+05	0.17	0.11	0.14

- 1 EXIST. H.M.A. RESURFACED PAVEMENT, 10"
- 2 EXIST. CONC. PAVEMENT, 8"
- 3 EXIST. OIL & CHIP SURF. ON AN AGG. BASE, VAR. DEPTH
- 4 EXIST. COMB. CONC. CURB AND GUTTER
- 5 EXIST. CONC. SIDEWALK, 4"
- 6 EXIST. H.M.A. BIKE/PEDESTRIAN TRAIL
- 7 EXIST. AGG. SHOULDER, VAR. DEPTH
- 8 EXIST. GROUNDLINE
- 9 PROP. H.M.A. SURF. REMOVAL, 2"
- 10 PROP. H.M.A. SURF. CSE., MIX "C", N70, 2"
- 11 PROP. GUTTER REMOVAL
- 12 PROP. P.C.C. PAVEMENT 8", SPECIAL
- 13 PROP. AGG. BASE CSE., TY. A 8"
- 14 PROP. COMB. CONC. CURB & GUTTER, TYPE B-6.18
- 15 PROP. CLASS C PATCHES, 8"
- 16 PROP. LEVEL. BIND. (M.M.), N70, VAR. DEPTH
- 17 PROP. H.M.A. SURF. REMOVAL, VAR. DEPTH
- 18 PROP. AGG. WEDGE SHLD., TY. B



BUTT - JOINT DETAIL

N.T.S.  
TO BE USED: NORTH DELMAR AVE.  
SOUTH DELMAR AVE.



RESURFACING TRANSITION DETAIL

N.T.S.  
TO BE USED: STA. 6+05 TO STA. 6+15 RAND AVENUE  
STA. 6+91 TO STA. 7+16 RAND AVENUE

REVISIONS

**SMS ENGINEERS**  
Sheppard, Morgan & Schwaab, Inc.  
CONSULTING ENGINEERS AND LAND SURVEYORS  
210 Market Street, P.O. Box E, Albany, IL 62002, 618462-9755, E-mail: mail@smsengineers.com  
10 Central Industrial Drive, Suite 3, Geneva, IL 60136, 618677-7100, E-mail: mail@smsengineers.com  
DESIGN FIRM # 184-000992

VILLAGE OF HARTFORD  
F.A.U. 8974 (RAND AVENUE)  
SECTION 10-00030-00-WR  
PROPOSED TYPICAL SECTIONS

DWG. NO. LP\HARTFORD\447888\0\TYPICAL SECTIONS.DWG  
REF. BK. 1500 PG. 21-22  
JOB NO. 447888  
DSN. BY: LDA  
DWN. BY: CAD  
CHK. BY: LDA  
DATE: JUNE, 2011

SCALE: NOT TO SCALE

SHEET 4 OF 9