MD 223 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

PROPOSED LED BLACK FACED SIGNALS

1,2,5 — 3,4 — 6 — a,b

12" 12" 12"

PROPOSED VIDEO DETECTION

EXISTING SIGNS

7,14,28 R5-1 (30"x30")

27 R6-1(L) (36"x12")

30 R1-2 (36"x36x36")

29 R4-7B (24"x30")

20 R3-7(L) (30"x30")

SIGNS TO BE REMOVED

10,18 R4-7 (24"x30")

26 R1-1 (30"x30")

9 R3-3(2) (30"x30")

13 NORTH Washington

22 R6-1(L) (36"x12")

PROPOSED SIGNS

24 M95-1 (24"x78")

Woody Terrace

16 D-3(1) (16"xVar.) Dual Faced

25 R3-5(R) (30"x36")

19 OM-1(1) (18"X18")

31 R6-1(R) (36"x12")

11,15 R4-7 (24"x30")

23 R3-5(L) (30"x36")

21 R4-7A (24"x30")

12 R3-3(2) (30"x30")

17 R5-1 (30"x30")

32 NORTH Washington

33 Woody Terrace NEXT SIGNAL D3-(3) (24"x72")

34 Woody Terrace NEXT SIGNAL D3-(3) (24"x72")

NEMA PHASING

Ø4 Ø5 Ø6

FLASHING OPERATION

NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
PHASE 5 SHALL LAG BEHIND PHASE 6.

CONSTRUCTION DETAILS

A. Install a NEMA size "6" ground mounted controller cabinet with all necessary equipment (equipment to include master controller for interconnect system). (Courtesy pad shall not be installed. cabinet door is to open over sidewalk). (Note: 2-4" and 2-2" 90 degree PVC schedule 80 conduit bends).

B. Install 27' steel pole with twin 60ft/38ft mast arm. foundation. traffic signal heads. video detection camera. signs. 15ft luminaire arm. and 250 W HPS luminaire. Install 1-3" schedule 80. 90 degree. PVC electrical conduit bend in pole base.

C. Install ADA compliant handicap ramp per MD STD 655.13 (see Detail 1).

D. Install electrical handhole.

E. Install 2". schedule 80. PVC conduit (bored).

F. Install 3". schedule 80. PVC conduit (trenched).

G. Install 3". schedule 80. PVC conduit (bored).

H. Install 2 - 4" schedule 80. PVC conduit (trenched).

J. Install 4". schedule 80. PVC conduit (bored).

K. Install ground mounted sign on 4" X 4" wooden post installed as shown.

L. Install 3" schedule 80 PVC conduit (trenched) and 10' riser. for power from metered service pedestal (msp) to utility pole. (Note: 1-4" 90 degree PVC schedule 80 conduit bend.)

M. Remove existing R1-1. R6-1 (L) & post to remain.

N. Install 200 Amp. metered service pedestal (msp).

O. Remove existing sign and support.

P. Install non invasive micro probe (set of 3) with 500' lead in.

R. Install 24" white reflective heat applied permanent preformed thermoplastic stopline as shown.

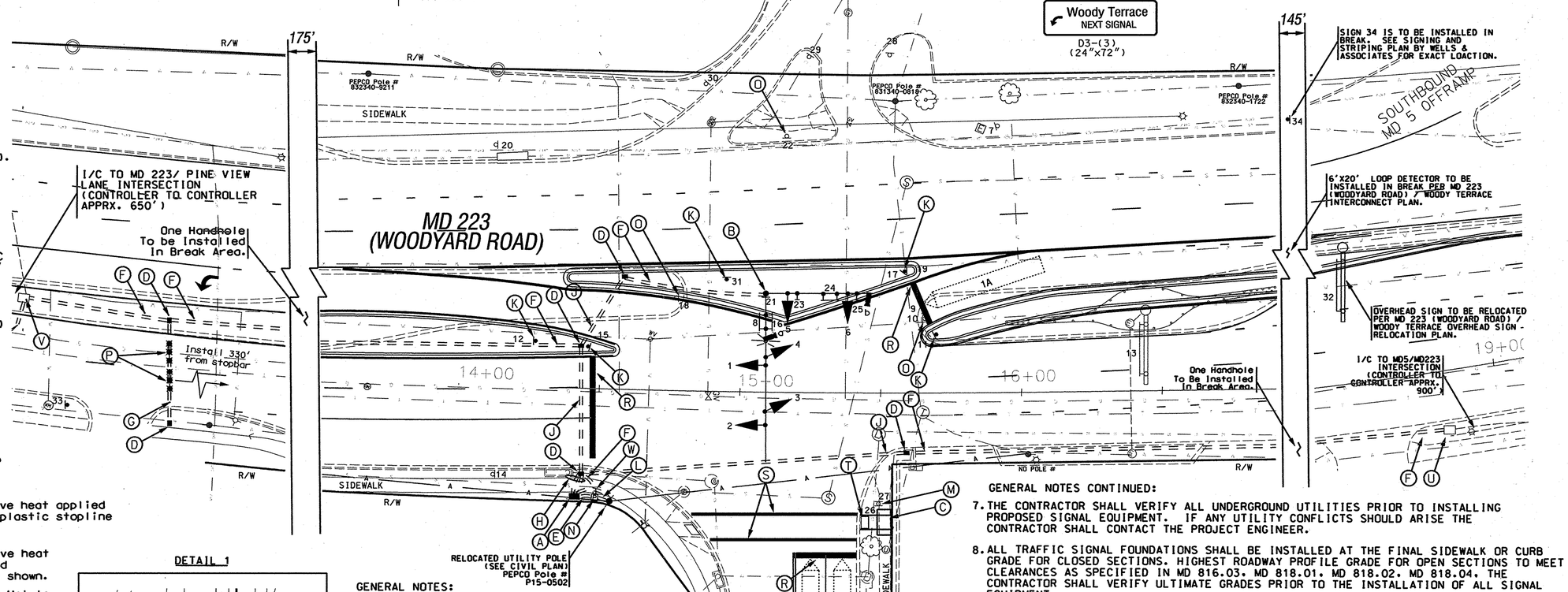
S. Install 12" white reflective heat applied permanent preformed thermoplastic crosswalk as shown.

T. Install Detectable Warning Mat to all sidewalk ramps. Reference MD Standard 655.40.

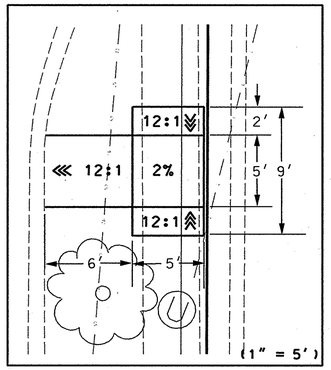
U. Use existing handhole. Install new I/C from proposed controller to existing MD 5 controller.

V. Use existing handhole. Install new I/C from proposed controller to existing Pine View Lane controller.

W. Install 2" schedule 80. PVC conduit for proposed phone service.



DETAIL 1



Ramp to be installed per MD STD 655.13

GENERAL NOTES:

1. VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS. OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
4. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
5. ALL PROPOSED LUMINAIRES SHALL BE SUPPLIED WITH A PHOTOCELL.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.

GENERAL NOTES CONTINUED:

7. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
8. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS TO MEET CLEARANCES AS SPECIFIED IN MD 816.03. MD 818.01. MD 818.02. MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
9. THESE PLANS ARE GOOD FOR ONE YEAR FROM THE DATE OF APPROVAL. IF NOT BUILT WITHIN ONE YEAR FROM THIS DATE. THEY ARE TO BE RE-CERTIFIED.

GEOMETRIC LEGEND
EXISTING
PROPOSED

UTILITY LEGEND
SD — STORM DRAIN
G — GAS MAIN
W — WATER MAIN
S — SEWER MAIN
E — ELECTRIC CABLES
A — AERIAL CABLES
T — TELEPHONE CABLES
F — FIBER-OPTIC

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APPROVALS	REVISIONS
TEAM LEADER 10/11/07	
ASST. DIV. CHIEF 10-16-07	
DIVISION CHIEF 10/26/07	
OFFICE DIRECTOR 10/26	FB/FH

PLOTTED: #DATETIME#
FILE: #FILE#

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 223 (WOODYARD ROAD) / WOODY TERRACE

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE 09/26/07 CONTRACT NO. BW996M82

DESIGNED BY DPN
DRAWN BY DPN/LV
CHECKED BY CT/CJB
F.A.P. NO. N/A

COUNTY Prince Georges
LOGMILE 16022307.6
T.I.M.S. NO. H185
TOD NO.

TS# 4536

SHEET NO. 1 OF 2

DRILL HOLES
DRILL HOLES
DRILL HOLES
DRILL HOLES

BY: $USERNAME$