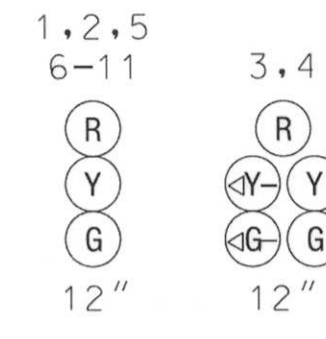
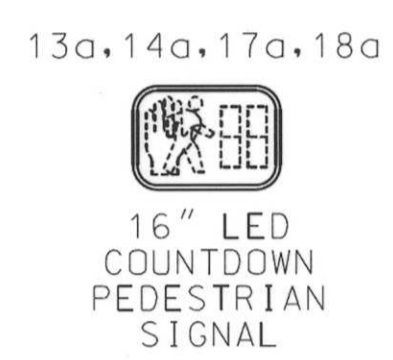


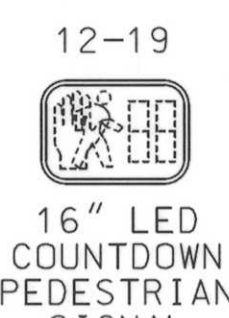
EXISTING LED SIGNALS TO REMAIN



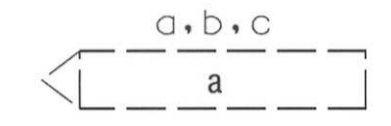
EXISTING SIGNALS TO REMOVE



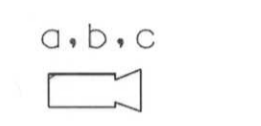
PROPOSED LED TRAFFIC SIGNALS



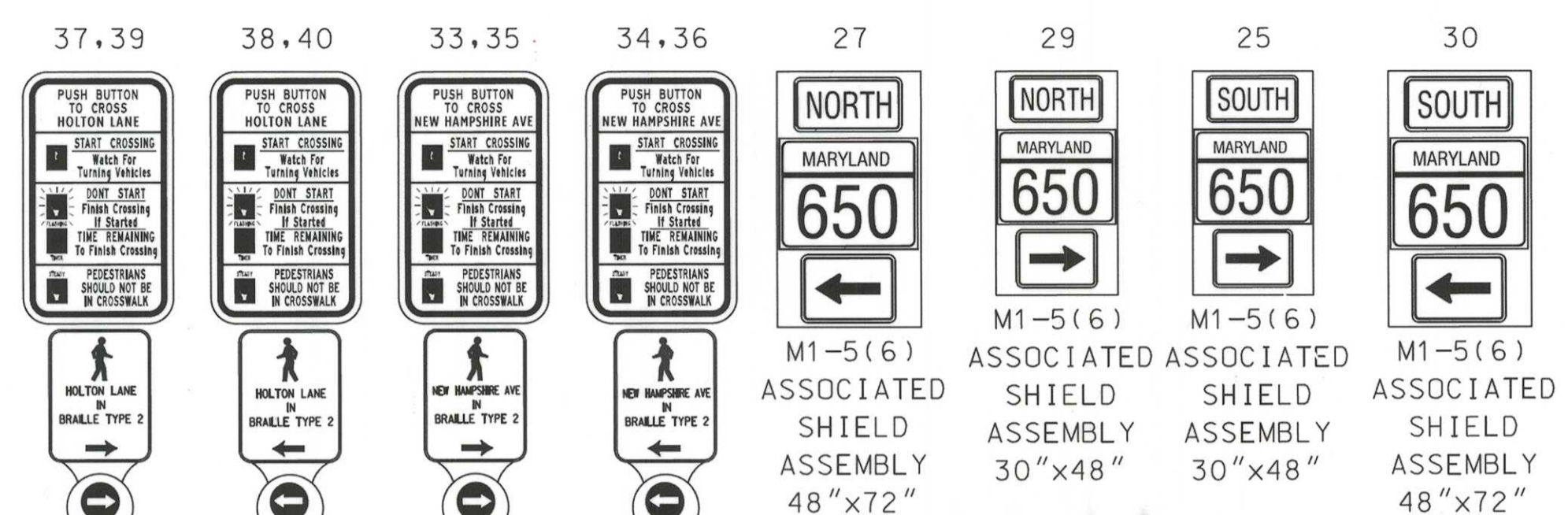
EXISTING VIDEO DETECTION ZONES



EXISTING VIDEO DETECTION



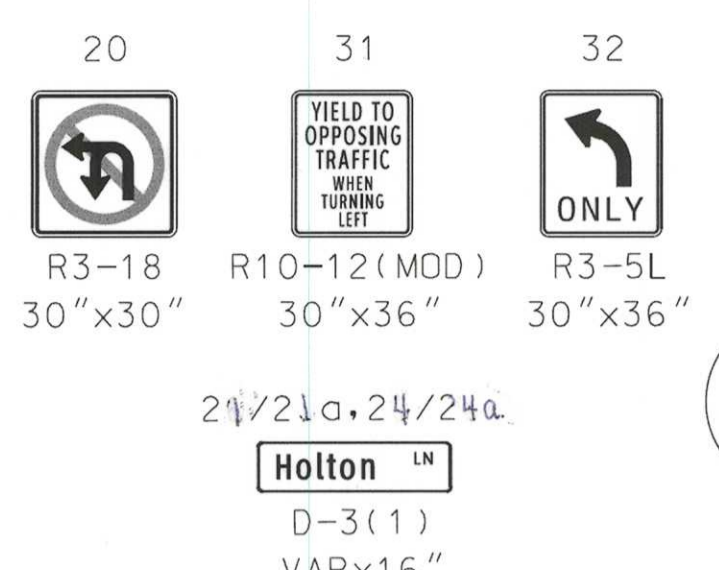
PROPOSED SIGNS



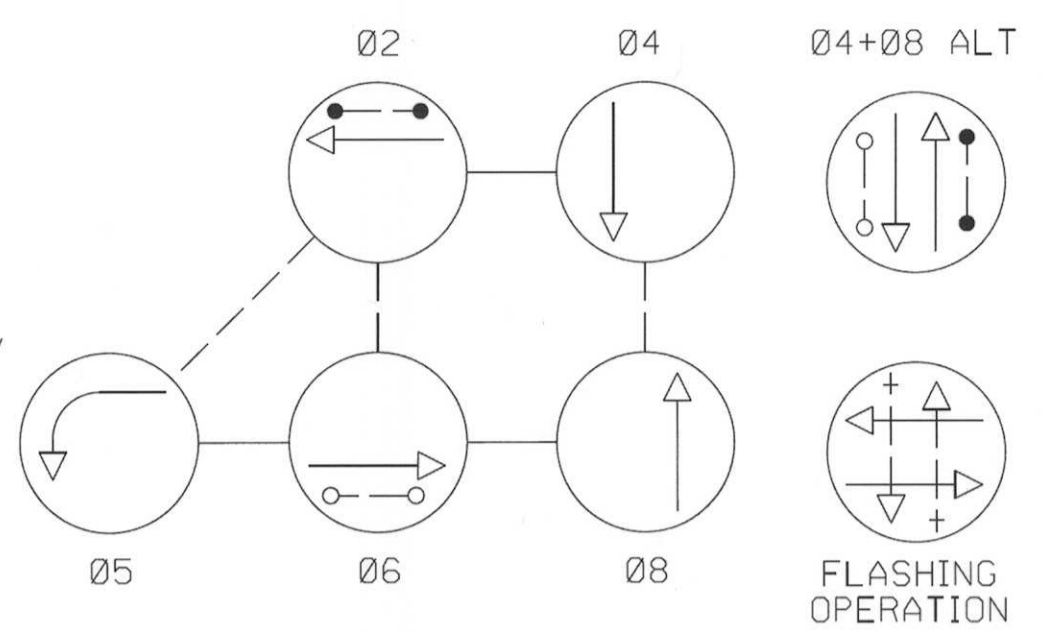
EXISTING SIGNS TO REMOVE



EXISTING SIGNS TO REMAIN



NEMA PHASING



PHASING NOTES: 1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY 2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

CONSTRUCTION DETAILS

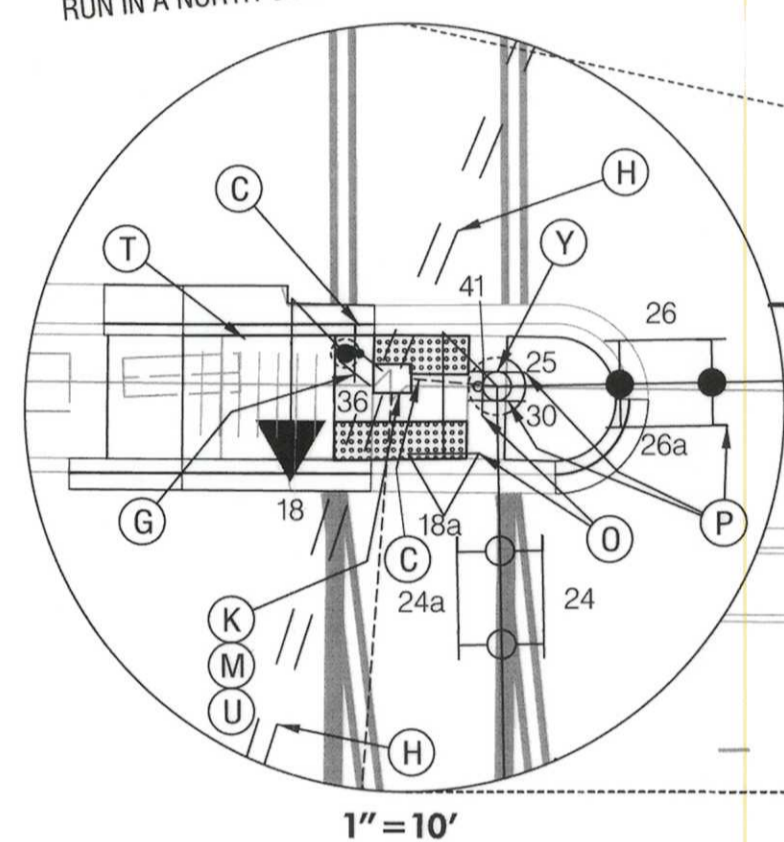
- A. INSTALL A 10 FT. BREAKAWAY PEDESTAL POLE WITH MODIFIED FOUNDATION (SHA STD. MD 801.01-01), BREAKAWAY COUPLINGS, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, ACCESSIBLE PUSHBUTTON (ARROW RIGHT) AND SIGN R10-3(1) "PUSH BUTTON TO CROSS NEW HAMPSHIRE AVE" (NOTE: 1-2 IN. 90 DEGREE PVC BEND).
- B. INSTALL A 10 FT. BREAKAWAY PEDESTAL POLE WITH MODIFIED FOUNDATION (SHA STD. MD 801.01-01), BREAKAWAY COUPLINGS, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, ACCESSIBLE PUSHBUTTON (ARROW RIGHT) AND SIGN R10-3(1) "PUSH BUTTON TO CROSS HOLTON LANE" (NOTE: 1-2 IN. 90 DEGREE PVC BEND).
- C. INSTALL A 10 FT. BREAKAWAY PEDESTAL POLE WITH MODIFIED FOUNDATION (SHA STD. MD 801.01-01), BREAKAWAY COUPLINGS, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, ACCESSIBLE PUSHBUTTON (ARROW LEFT) AND SIGN R10-3(1) "PUSH BUTTON TO CROSS NEW HAMPSHIRE AVE" (NOTE: 1-2 IN. 90 DEGREE PVC BEND).
- D. INSTALL A 10 FT. BREAKAWAY PEDESTAL POLE WITH MODIFIED FOUNDATION (SHA STD. MD 801.01-01), BREAKAWAY COUPLINGS, LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, ACCESSIBLE PUSHBUTTON (ARROW LEFT) AND SIGN R10-3(1) "PUSH BUTTON TO CROSS HOLTON LANE" (NOTE: 1-2 IN. 90 DEGREE PVC BEND).
- E. USE EXISTING POLE-MOUNTED CABINET/CONTROLLER.
- F. INSTALL ELECTRICAL HANDHOLE.
- G. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED.
- H. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - SLOTTED.
- J. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED.
- K. USE EXISTING HANDHOLE.
- L. USE EXISTING CONDUIT.
- M. INSTALL 3/4 IN. DIAMETER X 10 FT. LENGTH GROUND ROD IN EXISTING ELECTRICAL HANDHOLE.
- N. REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT. REMOVE FOUNDATION 12 IN. BELOW GRADE AND BACKFILL. CAP AND ABANDON EXISTING CONDUIT WHERE APPLICABLE.
- O. REMOVE TRAFFIC SIGNAL EQUIPMENT FROM EXISTING STRUCTURE. CAP ACCESS HOLE.
- P. INSTALL OVERHEAD SIGN.
- R. REMOVE EXISTING OVERHEAD SIGN.
- C. INSTALL 12 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE FOR CROSSWALK.
- S. INSTALL 24 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE FOR STOPLINE.
- T. MODIFY EXISTING MEDIAN NOSE, SIDEWALK AND/OR SIDEWALK RAMP. SEE DETAILS ON GENERAL INFORMATION-02.
- U. ADJUST ELECTRICAL HANDHOLE TO GRADE AND REPLACE FRAME AND COVER. REMOVE EXISTING HANDBOX. INTERCEPT EXISTING CONDUIT AND EXTEND NEW 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) TO PROPOSED STRUCTURE.
- W. REMOVE EXISTING GROUND MOUNTED SIGN.
- X. INSTALL NEW GROUND MOUNTED SIGN AND SUPPORT.
- Y. RE-WIRE EXISTING TRAFFIC SIGNAL EQUIPMENT. SEE WIRING DIAGRAM ON GENERAL INFORMATION-01.
- Z. REMOVE EXISTING PAVEMENT MARKING LINES - ANY WIDTH

NOTE:

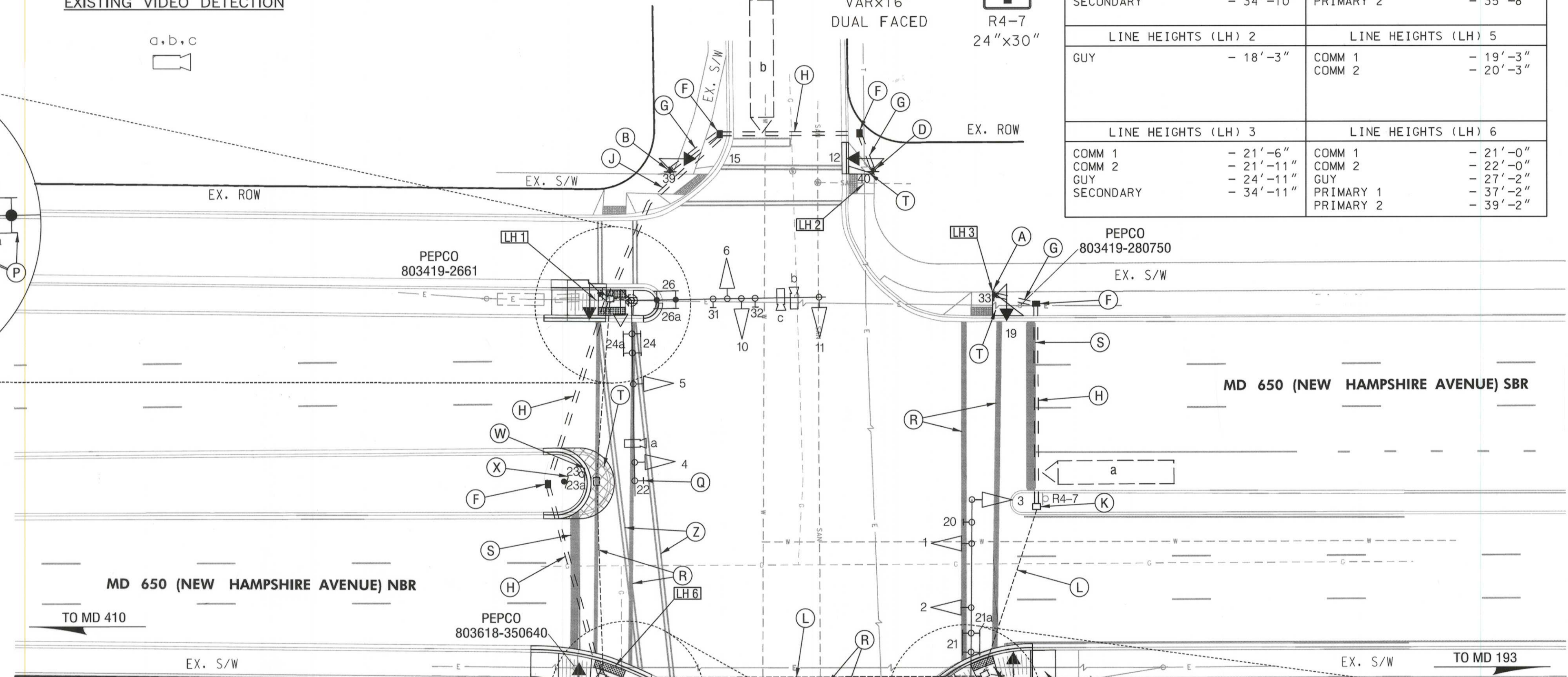
THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF ONE (1) YEAR. SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME, THESE PLANS SHALL BE NULL AND VOID WITH A RE-REVIEW REQUIRED FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.

AMD PERMIT NO. ISAPM039XX

MD 650 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION



1" = 10'



GENERAL NOTES

- 1. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MSHA STANDARD TYPICALS FOR TRAFFIC CONTROL.
- 2. THE CONTRACTOR SHALL CONTACT MISS UTILITY TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO THE INSTALLATION OF PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- 3. WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
- 4. THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING AND PROPERLY LABELING ALL SIGNAL CABLES.
- 5. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLES.
- 6. THE CONTRACTOR SHALL VERIFY PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
- 7. THE CONTRACTOR SHALL RE-MARK STOP LINES AND CROSSWALKS AT THEIR EXISTING LOCATIONS AS CALLED FOR ON THIS PLAN (EXCEPT AS NOTED).
- 8. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
- 9. THE CONTRACTOR SHALL ENSURE THE EXISTING TRAFFIC SIGNAL REMAINS FUNCTIONAL UNTIL THE RECONSTRUCTED TRAFFIC SIGNAL IS OPERATIONAL.
- 10. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS OR 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.
- 11. REFER TO GENERAL INFORMATION SHEET 2 FOR PROPOSED RAMP IMPROVEMENT DETAILS AS WELL AS SIGNAL EQUIPMENT DIMENSIONS.
- 12. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.08 AND 4E.10 AND FIG. 4E-3 AND 4E-4 AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE." IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL THE CONFLICT HAS BEEN RESOLVED. IF NEEDED, A DESIGN WAIVER SHALL BE OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
- 13. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR FROM A 60 IN. X 60 IN. LEVEL LANDING AREA. A LEVEL LANDING AREA IS AN AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
- 14. PUSHBUTTON ARROWS ARE TO BE TURNED PARALLEL TO THE CROSSWALK FOR WHICH THEY ARE INTENDED.
- 15. ALL TRAFFIC SIGNAL MODIFICATIONS SHALL BE CONSTRUCTED PRIOR TO SIDEWALK CONSTRUCTION.
- 16. ALL ACCESSIBLE PEDESTRIAN CONTROL EQUIPMENT SHALL BE DELIVERED TO THE SHA SIGNAL SHOP FOR TESTING AND PROGRAMMING PRIOR TO INSTALLATION. CONTACT MR. EDWARD RODENHIZER AT 410 787-7650 TO COORDINATE.
- 17. PUSHBUTTONS ARE TO BE LOCATED SO THAT A PEDESTRIAN IN A WHEELCHAIR LOCATED ON THE LEVEL LANDING AREA DOES NOT HAVE TO REACH MORE THAN 18 IN.
- 18. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS THROUGH THE INTERSECTION DURING CONSTRUCTION WITH NECESSARY DETOURS AT THE DISCRETION OF THE PROJECT ENGINEER.
- 19. THE 10 FT. MINIMUM SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER OF POLE TO CENTER OF POLE.
- 20. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATION.
- 21. THE CONTRACTOR SHALL INTEGRATE PROPOSED CONCRETE FOUNDATIONS WITH NEW CURB/SIDEWALK RAMP WHERE NECESSARY.
- 22. THE CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AT THE NEAREST JOINT.
- 23. THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF TACOMA PARK, WASH AND RIDE ON WHEN CONSTRUCTING IMPROVEMENTS IN THE SOUTHWEST CORNER OF THE INTERSECTION. SEE GENERAL INFORMATION-01 FOR CONTACT INFORMATION.
- 24. SEE GENERAL INFORMATION-02 FOR SIGNAL POLE AND CROSSWALK INSTALLATION DIMENSIONS.

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

GEOMETRIC LEGEND

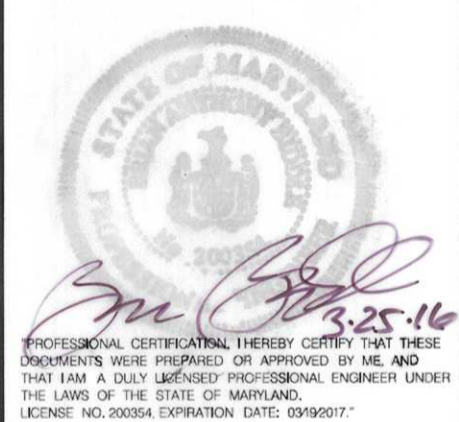
- EXISTING
- PROPOSED

LENHART TRAFFIC CONSULTING, INC. 645 BALTIMORE ANNAPOLIS BOULEVARD, SUITE 214 SEVERNA PARK, MD 21146 TEL: (410) 216-3333 FAX: (443) 782-2288 www.lenharttraffic.com

Table with columns for APPROVALS and REVISIONS. Includes fields for TEAM LEADER, ASST. DIV. CHIEF, DIVISION CHIEF, OFFICE DIRECTOR, and revision details.

Table with columns for DESIGNED BY, DRAWN BY, CHECKED BY, F.A.P. NO., and other project details.

Table with columns for SCALE, DATE, CONTRACT NO., COUNTY, LOGMILE, TMS NO., TOD NO., and SHEET NO.



STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION MD 650 (NEW HAMPSHIRE AVENUE) AT HOLTON LANE (LANGLEY PARK, MARYLAND)

SIGNALIZATION PLAN SHEET

PROJECT DESCRIPTION

GENERAL
THIS PORTION OF THE PROJECT INVOLVES THE INSTALLATION OF COUNTDOWN PEDESTRIAN SIGNALS AND ACCESSIBLE PEDESTRIAN SIGNALS FOR ALL LEGS AT THE INTERSECTION OF MD 650 (NEW HAMPSHIRE AVENUE) AT HOLTON LANE IN MONTGOMERY COUNTY. AS PART OF THE MODIFICATION, SELECTED SIDEWALK AND RAMP IMPROVEMENTS ARE INCLUDED TO MEET CURRENT ADA REQUIREMENTS.

MD 650 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA FIVE-PHASE, FULLY ACTUATED MODE WITH EXCLUSIVE/PERMISSIVE LEFT-TURN PHASING FOR SB MD 650. THE EXISTING PEDESTRIAN PHASES ACROSS THE SOUTH AND EAST LEGS WILL BE REPLACED WITH APS. NEW PEDESTRIAN PHASES ARE PROPOSED TO CROSS THE NORTH AND WEST LEGS.

CONTROLLER REQUIREMENTS

THE EXISTING POLE-MOUNTED CABINET SHALL REMAIN.

APS WILL FUNCTION AS FOLLOWS:

TO CROSS MD 650 (NEW HAMPSHIRE AVENUE)

A. WHEN A PEDESTRIAN LOCATES AND PASSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON MESSAGE WILL BE "WAIT TO CROSS NEW HAMPSHIRE AT HOLTON, WAIT."

B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

TO CROSS HOLTON LANE

A. WHEN A PEDESTRIAN LOCATES AND PASSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON MESSAGE WILL BE "WAIT TO CROSS HOLTON AT NEW HAMPSHIRE, WAIT."

B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

PHONE DROP

THE EXISTING PHONE DROP WILL REMAIN.

THE CONTACT PERSONS FOR DISTRICT #3/00TS ARE AS FOLLOWS:

District #3
Ms. Anyesha Mookherjee
Assistant District Engineer - Traffic
Phone: 301-513-7404

Mr. John Nesbitt
District Utility Engineer
Phone: 301-513-7350
Mr. Tom Fountain
Assistant District Engineer - Maintenance
Phone: 301-513-7304

Mr. Victor Grafton
Assistant District Engineer - Construction
Phone: 301-513-7385

Office of Traffic & Safety

Ms. Corren Johnson
Chief, Traffic Operations Division
Phone: 410-787-7630

Ms. Kelly Caldwell-Harper
Assistant Division Chief, Traffic Operations Division
Phone: 410-787-7625

Mr. Edward Rodenhizer
Chief, SHA Traffic Signal Shop
Phone: 410-787-7650

Mr. Eugene Bailey
Chief, SHA Sign Operation
Phone: 410-787-7670

The Power Company Representative is:
PEPCO
8300 Old Marlboro Pike
Upper Marlboro, MD 20442
Phone: 301-961-5325

City of Tacoma Park
Ms. Daryl Braltnwalte
Phone: 301-891-7615

WMATA
Mr. Jamie Cepler
Phone: 202-962-6085

Montgomery RIDE ON
Ms. Stacey Coletta
Phone: 240-777-5836

EQUIPMENT LIST 'A'

NONE

EQUIPMENT LIST 'B'

APPROVED SHA EQUIPMENT TO BE FURNISHED BY THE DEVELOPER AND INSTALLED BY THE CONTRACTOR. ALL EQUIPMENT IN THIS LIST SHALL HAVE CATALOG CUTS SUBMITTED FOR APPROVAL PRIOR TO INSTALLATION.

CAT CODE	QUANTITY	DESCRIPTION
120500	1 LS	MAINTENANCE OF TRAFFIC
201032	6 CY	CLASS 2 EXCAVATION
203030	4 CY	TEST PIT EXCAVATION
585412	500 LF	12 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
585424	105 LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
585700	200 LF	REMOVAL OF EXISTING PAVEMENT MARKING LINES - ANY WIDTH
634100	70 LF	STANDARD TYPE A CURB 8 INCH X 16 INCH
634300	180 LF	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH DEPTH
655105	1400 SF	5 INCH CONCRETE SIDEWALK
655120	80 SF	DETECTABLE WARNING SURFACE FOR CURB RAMPS
800000	105 SF	FURNISH AND INSTALL SHEET ALUMINUM SIGNS - MAST ARM/GROUND MOUNT
		2 EA - D-3(1) (VARx16") DUAL FACED "NEW HAMPSHIRE AVE"
		1 EA - MI-5(6) SHIELD ASSEMBLY (48"x72") "NORTH, MD 650, LEFT ARROW"
		1 EA - MI-5(6) SHIELD ASSEMBLY (48"x72") "SOUTH, MD 650, LEFT ARROW"
		1 EA - MI-5(6) SHIELD ASSEMBLY (30"x48") "NORTH, MD 650, RIGHT ARROW"
		1 EA - MI-5(6) SHIELD ASSEMBLY (30"x48") "NORTH, MD 650, RIGHT ARROW"
		1 EA - R4-7 (24"x30") "KEEP RIGHT"

EQUIPMENT LIST 'B' (CONT'D)

CAT CODE	QUANTITY	DESCRIPTION
801004	2 CY	CONCRETE FOR SIGNAL FOUNDATION
801104	15 LF	WOOD SIGN SUPPORTS, 4 INCH X 4 INCH
802146	3 EA	ADJUST HANDHOLE TO GRADE AND REPLACE FRAME AND COVER
802501	450 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
805125	100 LF	2 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
805140	30 LF	4 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
805155	225 LF	4 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - SLOTTED
811001	4 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
816101	3 EA	CONTROL CABLE, 500 FOOT, CAMERA TO CONTROLLER
818004	8 EA	10 FOOT BREAKAWAY PEDESTAL POLE
822500	1 EA	AS-BUILT FOR TRAFFIC SIGNAL
837001	6 EA	GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH
860285	8 EA	16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEAD
861105	1450 LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
861107	1500 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
861108	1000 LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
865210	8 EA	AUDIBLE/TACTILE PEDESTRIAN PUSH BUTTON STATION AND SIGN
865300	1 EA	2 WIRE APS CENTRAL CONTROL UNIT
873002	1 LS	REMOVE AND DISPOSE OF EXISTING SIGNAL EQUIPMENT

EQUIPMENT LIST 'C'

NONE

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
PHASE 2 + 5	R	R	G	G	G	R	R	R	R	R	R	W	DW	DW	W	DW	DW	DW	DW	
PHASE 5 CHANGE	R	R	G	G	G	R	R	R	R	R	R	W	DW	DW	W	DW	DW	DW	DW	
PHASE 2 + 6	G	G	G	G	G	R	R	R	R	R	R	W	W	W	W	DW	DW	DW	DW	
PEDESTRIAN CLEARANCE	G	G	G	G	G	R	R	R	R	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW	DW	DW	
PHASE 2 + 6 CHANGE	Y	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	
PHASE 4 + 8	R	R	R	R	R	G	G	G	G	G	G	DW	DW	DW	DW	DW	DW	DW	DW	
PHASE 4 + 8 CHANGE	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW	
PHASE 4 + 8 ALT	R	R	R	R	R	G	G	G	G	G	G	DW	DW	DW	DW	W	W	W	W	
PED CLEARANCE	R	R	R	R	R	G	G	G	G	G	G	DW	DW	DW	DW	FL/DW	FL/DW	FL/DW	FL/DW	
PHASE 4 + 8 ALT CHANGE	R	R	R	R	R	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	

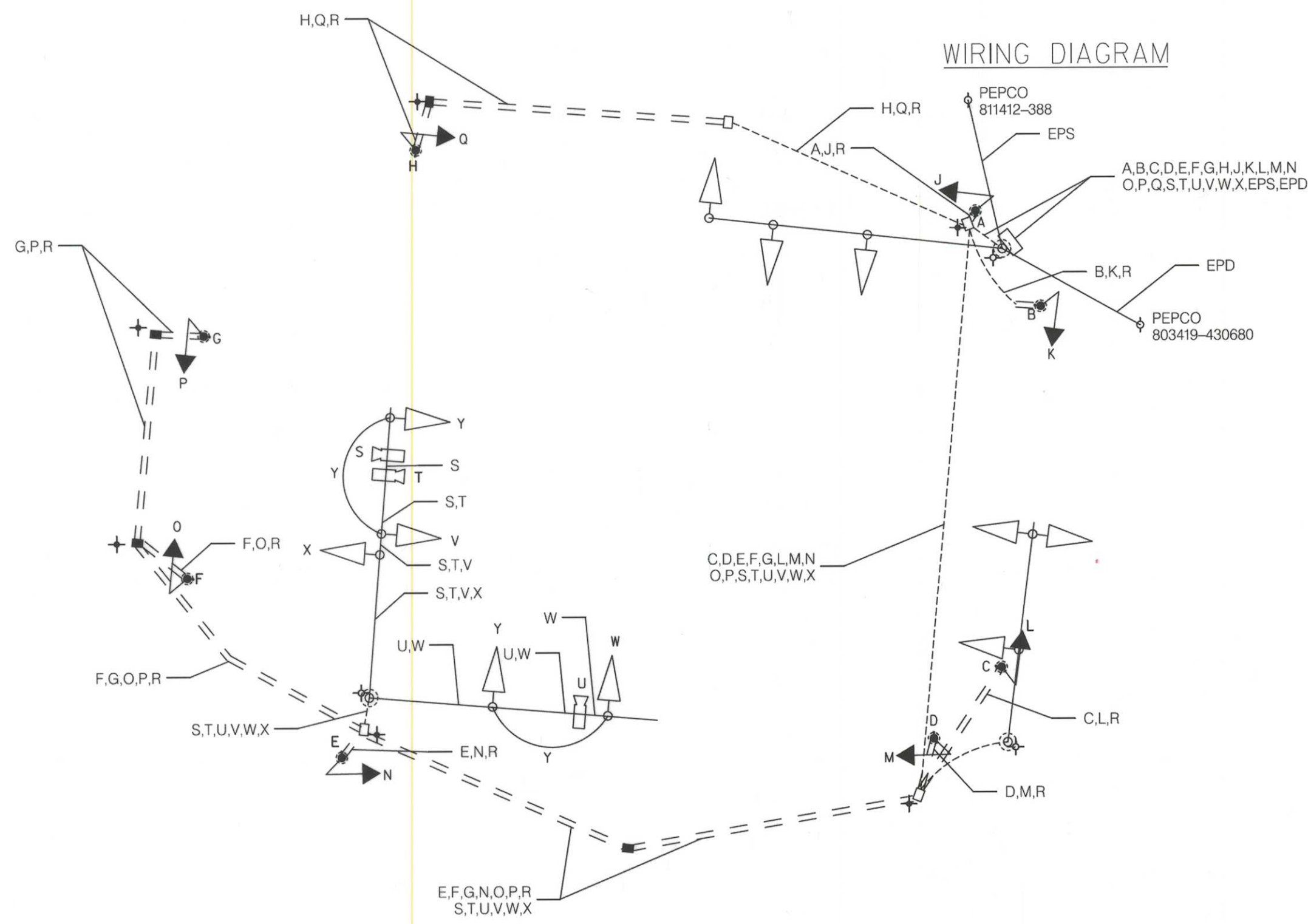
WIRING LEGEND

- A B C D E F G H
 - J K L M N O P Q
 - R
 - S T U
 - V W X
 - Y
 - Z
 - 1
 - 2
 - 3
 - 4
 - 5
 - 6
 - 7
 - 8
 - 9
 - 10
 - 11
 - 12
 - 13
 - 14
 - 15
 - 16
 - 17
 - 18
 - 19
- ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
 - ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
 - NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
 - CONTROL CABLE, 500 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER
 - ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
 - USE EXISTING WIRING
 - EXISTING GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH
 - PROPOSED GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH
 - EXISTING VIDEO DETECTION CAMERA
 - EXISTING POWER SOURCE
 - EXISTING PHONE DROP

NOTE:

THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF ONE (1) YEAR. SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME, THESE PLANS SHALL BE NULL AND VOID WITH A RE-REVIEW REQUIRED FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.

AMD PERMIT NO. ISAPM039XX



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TEL: (410) 216-3333
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www.lenharttraffic.com

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 650 (NEW HAMPSHIRE AVENUE) AT
HOLTON LANE
(LANGLEY PARK, MARYLAND)

GENERAL INFORMATION-01

SCALE: NTS DATE: MARCH 2016 CONTRACT NO.: BW966M82

DESIGNED BY: LTCBAB COUNTY: MONTGOMERY
DRAWN BY: LTCBAB LOGMILE: 15065000.83
CHECKED BY: LTCBAB TMS NO.: N423
F.A.P. NO.: TOD NO.:

TS NO:TS-3390B DRAWING SG-02 OF SHEET NO. 02 OF 03

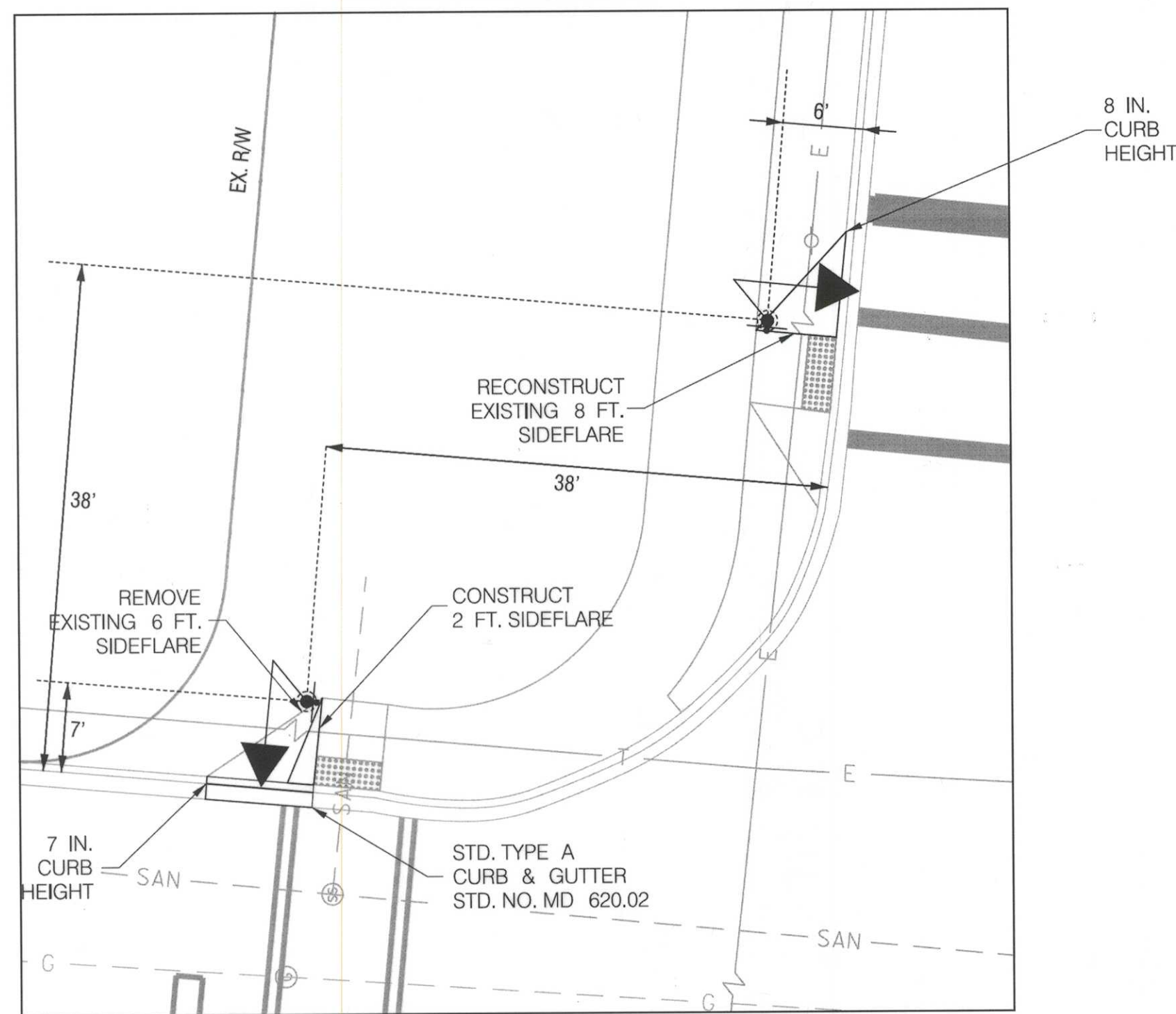
PROFESSIONAL CERTIFICATION, I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A duly LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 20064 EXP. DATE: 03/31/2017

3-25-16

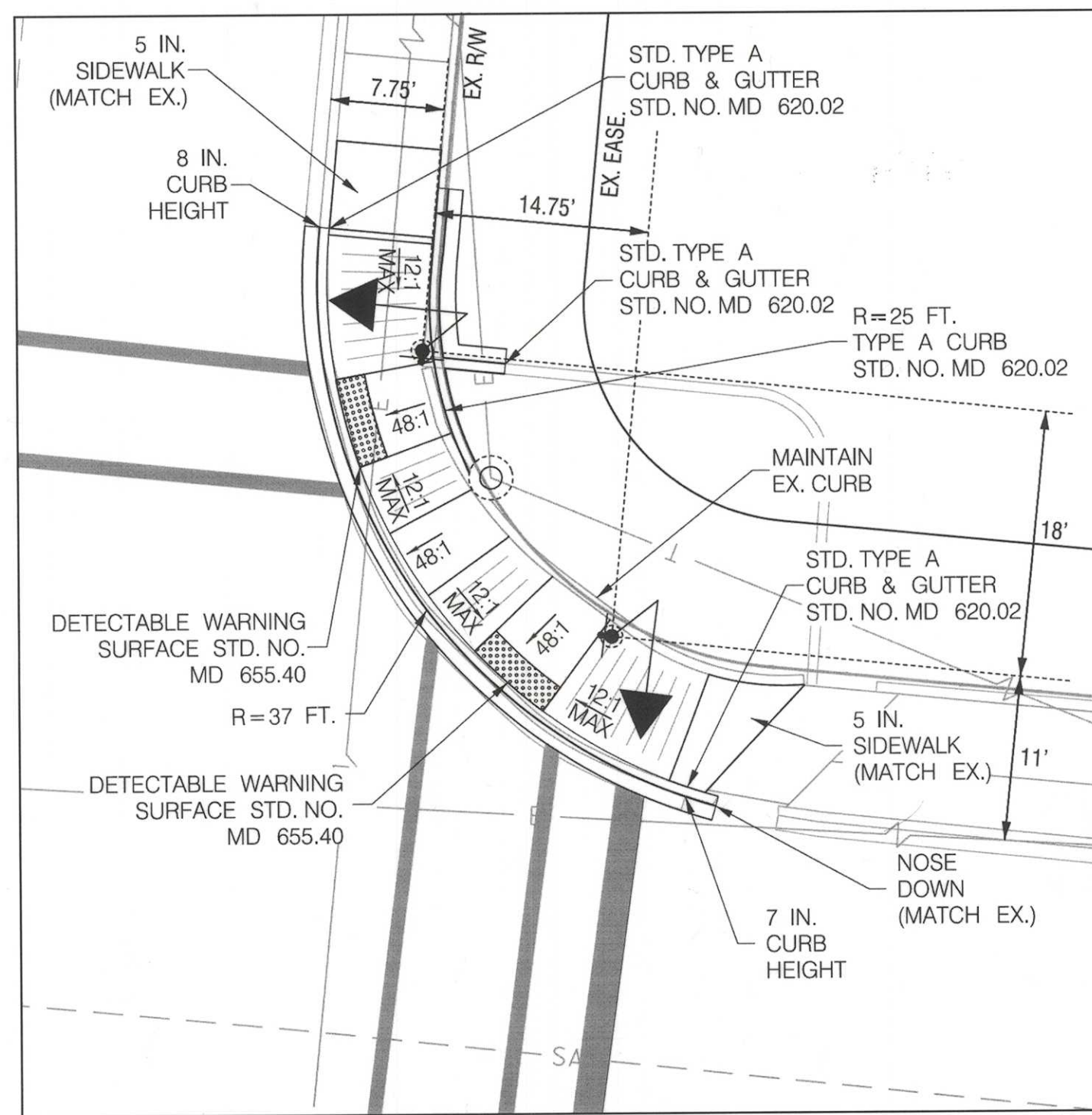
PLOTTED: Friday, March 25, 2016 AT 07:48 AM

MD 650 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

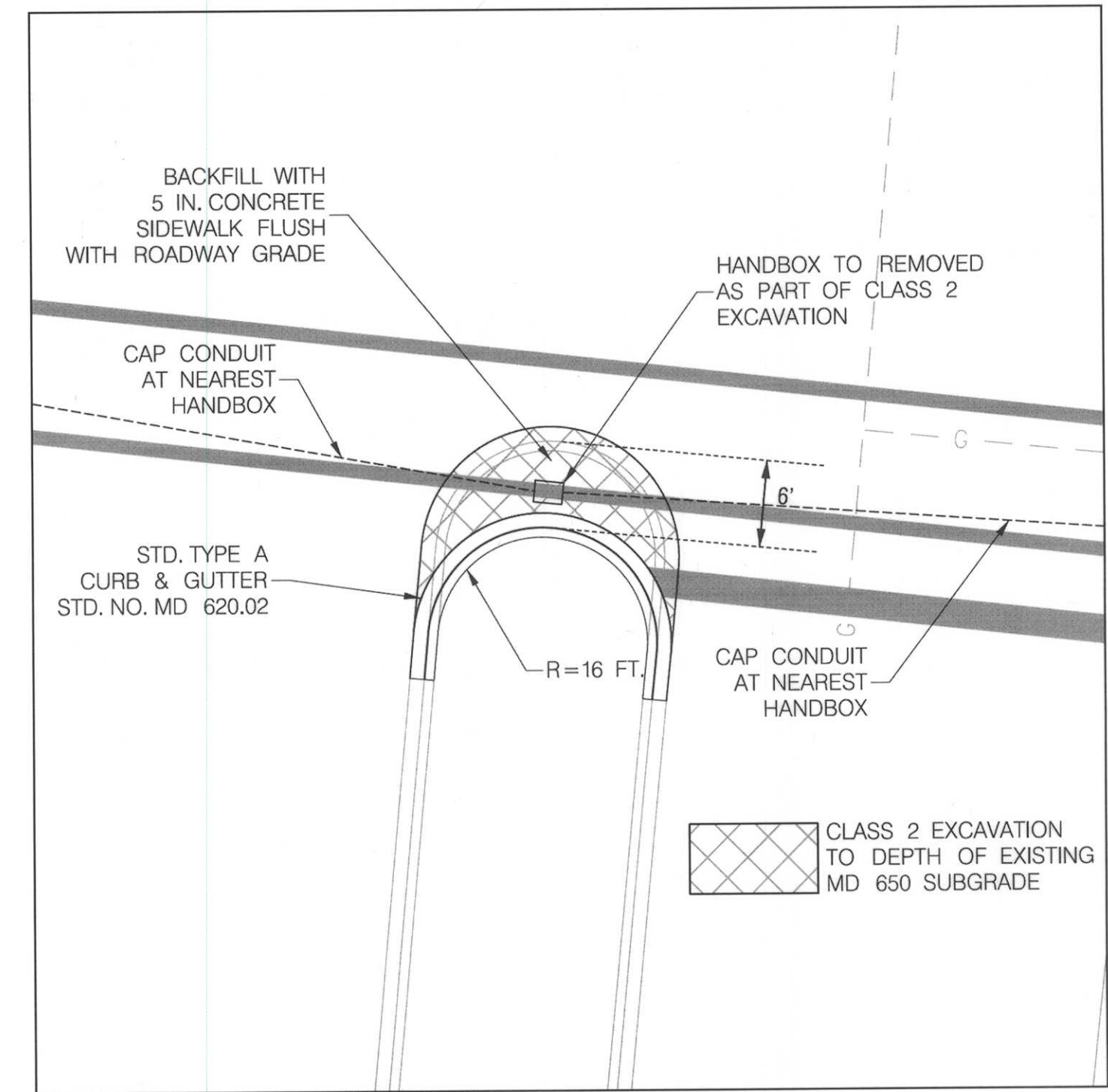
ADA SIDEWALK RAMP AND TRAFFIC SIGNAL DETAIL
NW CORNER - 1"=10'



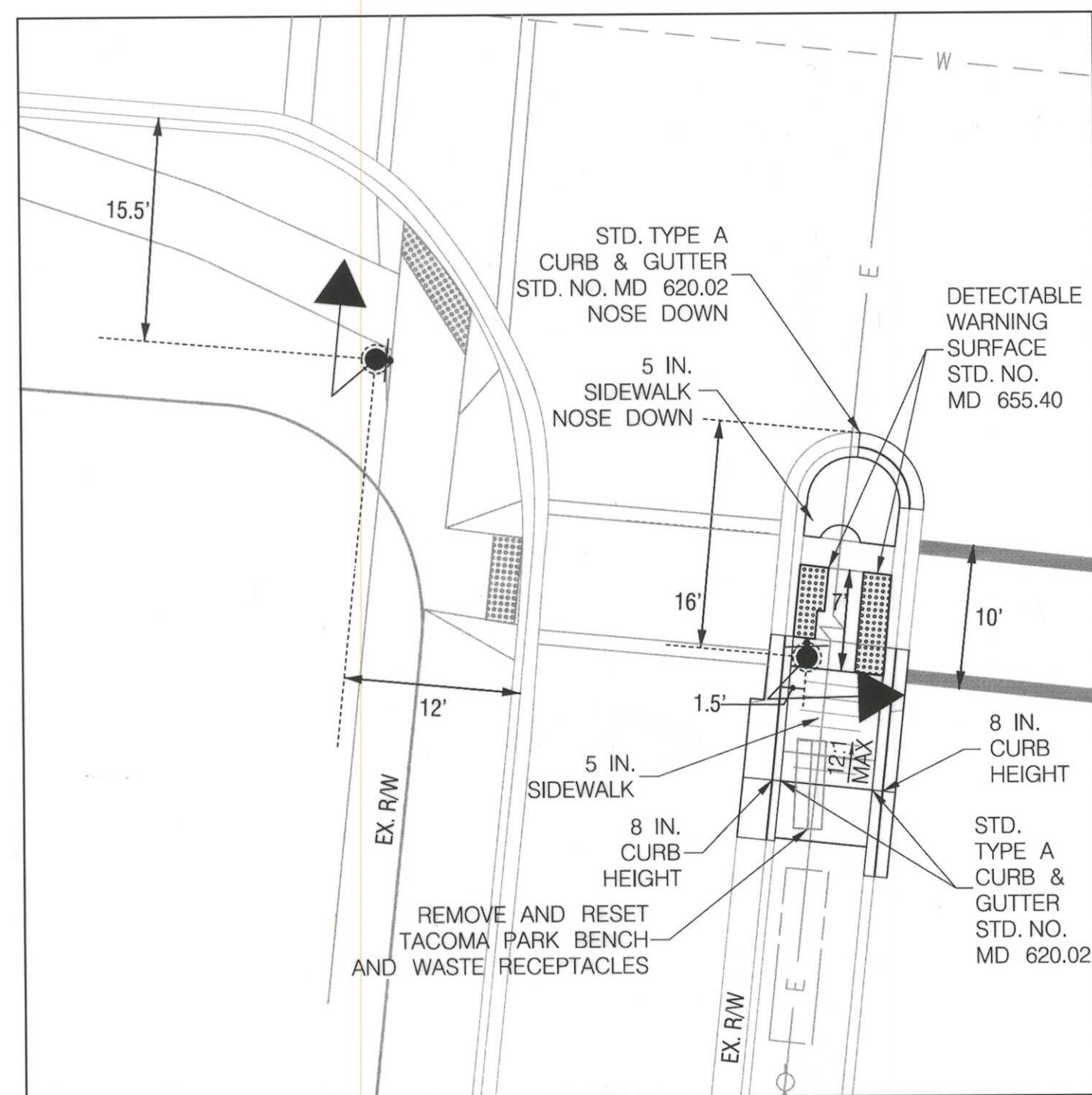
ADA SIDEWALK RAMP AND TRAFFIC SIGNAL DETAIL
NE CORNER - 1"=10'



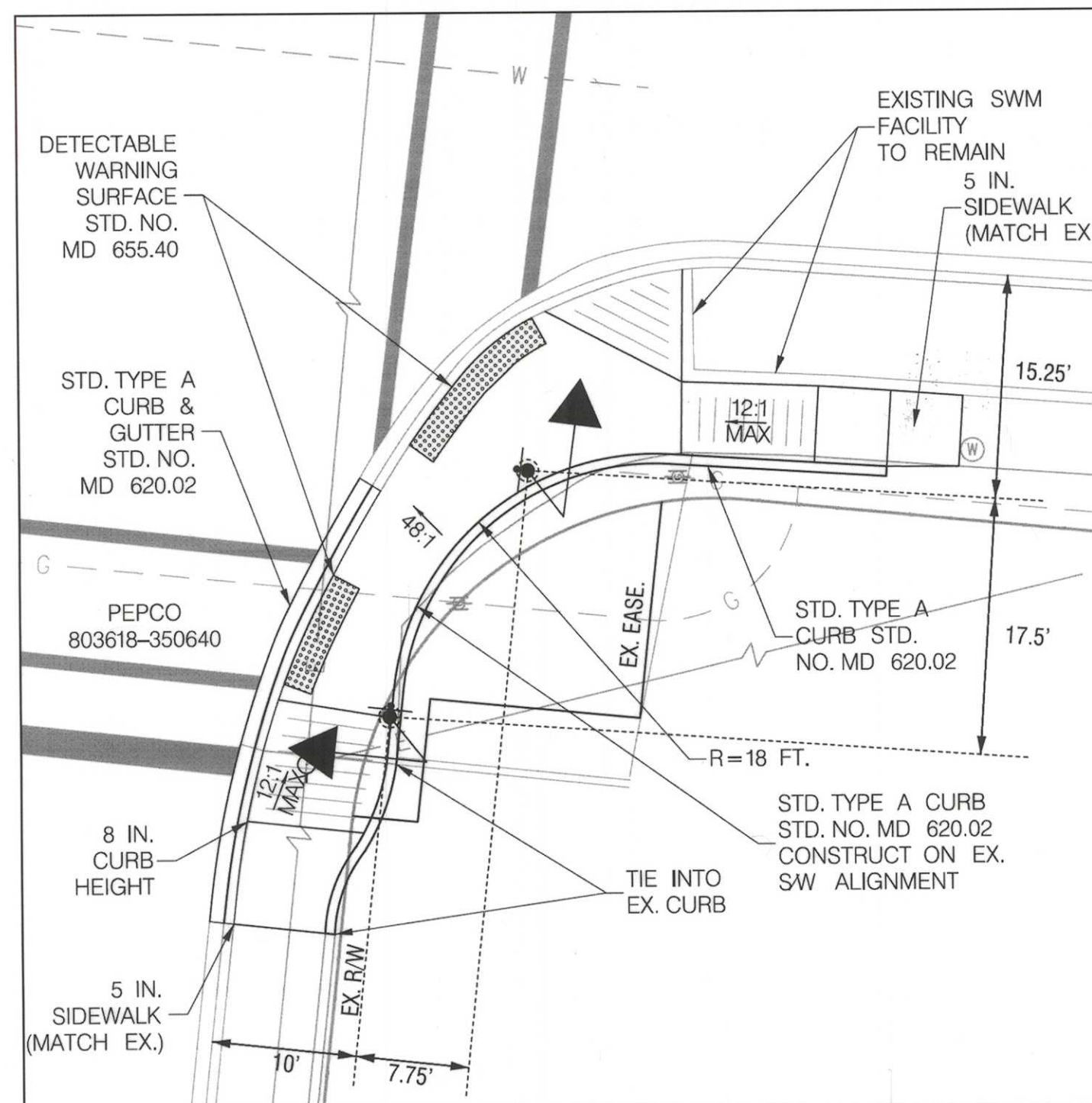
MD 650 SOUTH LEG
MEDIAN IMPROVEMENTS
1"=10'



ADA SIDEWALK RAMP AND TRAFFIC SIGNAL DETAIL
SW CORNER - 1"=10'



ADA SIDEWALK RAMP AND TRAFFIC SIGNAL DETAIL
SE CORNER - 1"=10'



NOTE:
THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF ONE (1) YEAR. SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME, THESE PLANS SHALL BE NULL AND VOID WITH A RE-REVIEW REQUIRED FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.
AMD PERMIT NO. 15APM0039XX

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 650 (NEW HAMPSHIRE AVENUE) AT
HOLTON LANE
(LANGLEY PARK, MARYLAND)

GENERAL INFORMATION-02

SCALE	NTS	DATE	MARCH 2016	CONTRACT NO.	BW966M82
DESIGNED BY	LTC/BAB	COUNTY	MONTGOMERY		
DRAWN BY	LTC/BAB	LOGMILE	15065000.83		
CHECKED BY	LTC/BAB	TIMS NO.	N423		
F.A.P. NO.		TOD NO.			

John Ball
3-25-16
PROFESSIONAL CERTIFICATION, HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 200384 EXPIRATION DATE: 03/30/17

LENHART TRAFFIC CONSULTING, INC.
645 BALTIMORE ANNAPOLIS BOULEVARD, SUITE 214
SEVERNA PARK, MD 21146
TEL: (410) 216-3333
FAX: (443) 782-2288
www.lenharttraffic.com