

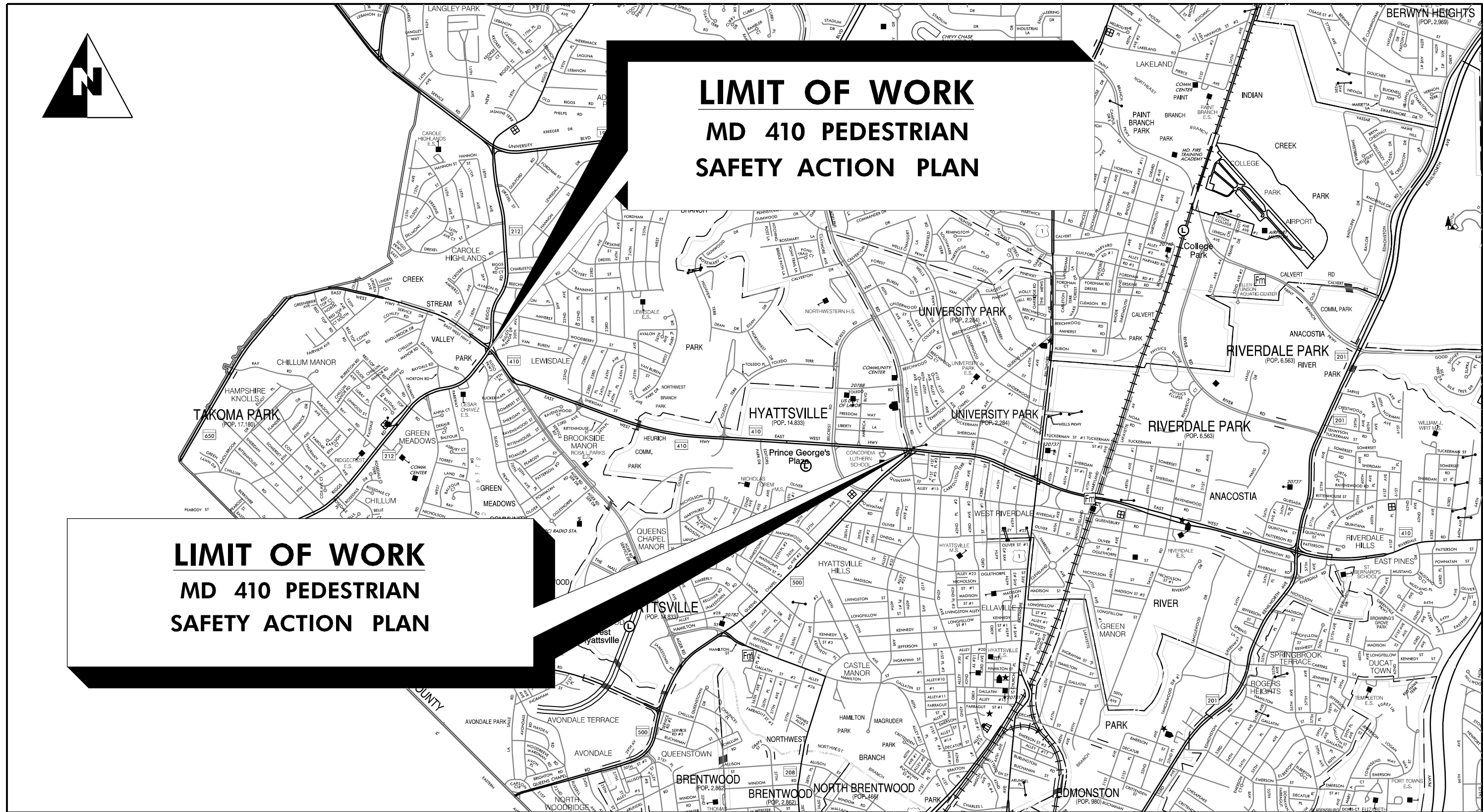
DRILL HOLES

DRILL HOLES

DRILL HOLES

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

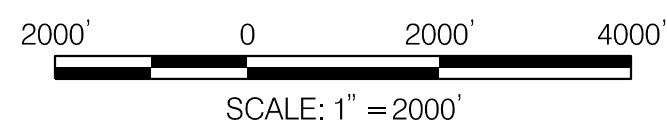
MD 410 (EAST-WEST HWY)
PEDESTRIAN SAFETY ACTION PLAN
MD 212 (RIGGS ROAD) TO MD 500 (ADELPHI ROAD)



PRINCE GEORGE'S COUNTY – HYATTSVILLE, MD

LENGTH OF PROJECT:
MD RTE. 410 = 1.80 MILES

HORIZONTAL DATUM	NAD 83 /91
VERTICAL DATUM	NAVD 88



DESIGN DESIGNATION	
ROADWAY	MD 410 (EAST-WEST HWY)
ROADWAY LENGTH (MILES)	1.80
CONTROLS YEARS	2018
AVERAGE DAILY TRAFFIC (A.D.T.)	30,822
DESIGN HOURLY VOLUME (D.H.V.)	-
DIRECTIONAL DISTRIBUTION	-
% TRUCKS (A.D.T.)	%
% TRUCKS (D.H.V.)	%
FUNCTIONAL CLASSIFICATION	URBAN PRINCIPAL ARTERIAL
CONTROL OF ACCESS	NONE
INTENSITY OF DEVELOPMENT	URBAN
TERRAIN	ROLLING
DESIGN SPEED (M. P. H.)	45
ANTICIPATED POSTED SPEED (M. P. H.)	25
MDOT SHA CONTEXT ZONE	SUBURBAN ACTIVITY CENTER

Mead & Hunt
MEAD & HUNT, INC.
7055 SAMUEL MORSE DRIVE
SUITE 100
COLUMBIA, MD 21046
(443) 741-3500 PHONE
WWW.MEADHUNT.COM

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. 27541. EXPIRATION DATE: 01/23/2026.



SHEET NOS. AND OTHER CLARIFICATIONS

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.
MD LICENSE NO. _____ EXPIRATION DATE: _____

GEOMETRIC DESIGN CRITERIA

THIS PROJECT WAS DESIGNED IN ACCORDANCE WITH THE 2018 PUBLICATION OF AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS."

STANDARD SPECIFICATIONS BOOK, BOOK OF STANDARDS AND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)

ALL WORK ON THIS PROJECT SHALL CONFORM TO: THE LATEST APPROVED MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION (MDOT SHA) "STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS" REVISIONS THEREOF OR ADDITIONS THERETO, AS INDICATED IN THE PROJECT DESCRIPTION OF THE INVITATION FOR BIDS BOOK; THE SPECIAL PROVISIONS INCLUDED IN THE INVITATION FOR BIDS BOOK; THE ADMINISTRATION'S "BOOK OF STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES" AND THE LATEST ADOPTED MUTCD.

RIGHT OF WAY

RIGHT OF WAY AND EASEMENT LINES SHOWN ON THESE PLANS ARE FOR ASSISTANCE IN INTERPRETING THE PLANS. THEY ARE NOT OFFICIAL. FOR OFFICIAL FEE RIGHT OF WAY AND EASEMENT INFORMATION, SEE APPROPRIATE RIGHT OF WAY PLATS.

UTILITIES

THE LOCATION OF UTILITIES SHOWN ON THE PLANS ARE FOR INFORMATION AND GUIDANCE ONLY. NO GUARANTEE IS MADE OF THE ACCURACY OF SAID LOCATIONS.

ADA COMPLIANCE

THE DESIGN OF THIS PROJECT HAS INCORPORATED FACILITIES TO ACCOMMODATE PERSONS WITH DISABILITIES IN COMPLIANCE WITH STATE AND FEDERAL REQUIREMENTS.

ENVIRONMENTAL INFORMATION

ALL STORMWATER MANAGEMENT FACILITIES CONSTRUCTED FOR THIS CONTRACT SHALL BE INSPECTED AND MAINTAINED IN ACCORDANCE WITH THE MDOT SHA BEST MANAGEMENT PRACTICES (BMP) INSPECTION AND REMEDIATION PROGRAM.

STANDARD STABILIZATION NOTE:

FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1), AND SEVEN DAYS (7) AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

OWNERS / DEVELOPERS CERTIFICATION:

I / WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE) APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I HEREBY AUTHORIZE THE RIGHT OF ENTRY FOR PERIODIC ON-SITE EVALUATION BY MDE COMPLIANCE INSPECTORS.

EXISTING STRUCTURES PLANS

FOR THE CONVENIENCE AND INFORMATION OF BIDDERS, PRINTS OF PLANS OF EXISTING PERTINENT STRUCTURE(S) ARE INCLUDED WITH THIS CONTRACT. NO RESPONSIBILITY FOR THEIR ACCURACY OR COMPLETENESS IS ASSUMED BY THE MDOT SHA. DIMENSIONS, DETAILS, ETC., AS SHOWN THEREON MAY NOT BE AS BUILT.

APPROVED _____ DATE _____
DISTRICT ENGINEER, DISTRICT _

APPROVED _____ DATE _____
DIRECTOR, OFFICE OF HIGHWAY DEVELOPMENT

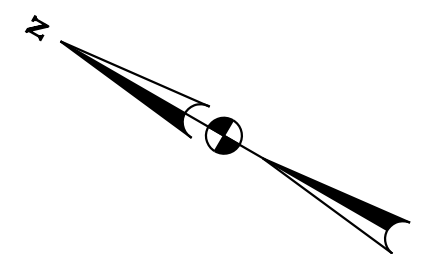
APPROVED _____ DATE _____
DEPUTY ADMINISTRATOR / CHIEF ENGINEER
FOR PLANNING, ENGINEERING, REAL ESTATE AND ENVIRONMENT

STRUCTURE INVENTORY NO.:

CONTRACT NO.: -

BY: 03059 -

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4/1/2024



MD 410 AT MD 212 PROPOSED IMPROVEMENTS:

- ELIMINATE CHANNELIZED RIGHT TURN LANES AT THE SOUTHEAST AND SOUTHWEST CORNERS
- PROVIDE HARDENED CENTERLINES FOR THE NORTH, SOUTH AND EAST LEGS
- PROVIDE LEADING PEDESTRIAN INTERVALS ON ALL CROSSWALKS
- SHA CONTRACT #PG7965187 - MD 410 (EAST-WEST HIGHWAY) AT MD 212 (RIGGS ROAD) INTERSECTION IMPROVEMENTS - TO BE INCLUDED AS PART OF THIS ALTERNATIVE - THIS INCLUDES THE CHANGES TO THE SOUTHERN LEG OF THE INTERSECTION AND CHANGES TO THE INTERSECTION SOUTH OF MD 410 AND ADDING A DOUBLE WESTBOUND LEFT TURN LANE.
- RECONSTRUCT SIGNAL - GEOMETRIC CHANGES IMPACT SIGNAL EQUIPMENT
- SIGNALIZE WESTBOUND AND SOUTHBOUND RIGHT TURN
- RESTRICT RIGHT TURN ON RED MOVEMENTS
- IMPLEMENT PEDESTRIAN RECALL DURING THE DAY (6 AM - 8 PM) FOR ALL SIGNALIZED PEDESTRIAN CROSSINGS
- RIGHT TURN OVERLAPS ON ALL APPROACHES

INSTALL HIGH VISIBILITY CROSSWALK

PROPOSED EASTBOUND AND WESTBOUND BIKE LANE AND PED TRAIL FROM AGER ROAD TO TOLEDO TERRACE DESIGNED UNDER BCS 2017-01A

EXTEND SIDEWALK TO MEET BUS STOP

RELOCATE BUS STOP CLOSER TO RIGSS ROAD INTERSECTION

INSTALL HIGH VISIBILITY CROSSWALK

MD 410 AT AGER ROAD/TUCKERMAN STREET PROPOSED IMPROVEMENTS:

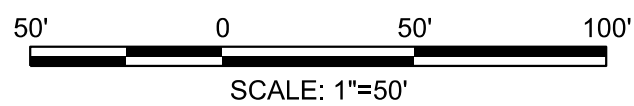
- INSTALL HIGH VISIBILITY CROSSWALK ON TUCKERMAN ST
- ADD ACCESSIBLE PEDESTRIAN SIGNAL (APS) COUNTDOWN PEDESTRIAN SIGNAL (CPS) ON SIGNALIZED CROSSINGS
- INSTALL RRFB FOR SOUTHBOUND AGER ROAD
- ADD "STATE LAW STOP FOR PEDS IN CROSSWALK" SIGN FOR WB MD 410

COST ESTIMATE

MD 410 AT MD 212 INTERSECTION IMPROVEMENT (PG7965187)	\$ 2,650,280.35
MD 410 FROM AGER ROAD TO TOLEDO TERRACE	\$ 2,372,000.00
MD 410 FROM MD 212 TO MD 500 PSAP	\$ 8,800,000.00
TOTAL (ROUNDED)	\$13,823,000.00

LEGEND

- INSTALL NEW LIGHT AND POLE
- REPLACE LIGHT ON EXISTING POLE
- FULL DEPTH PAVEMENT
- PROPOSED SIDEWALK OR PROPOSED CONC. MEDIAN
- PROPOSED GRASS
- PROPOSED GEOMETRICS (CURB/GUTTER/HARDENED CENTERLINE)
- EXISTING GEOMETRICS



REVISIONS	



DISTRICT 3 - TRAFFIC
MD 410 (EAST - WEST HWY)
PEDESTRIAN SAFETY ACTION PLAN
MD 212 (RIGGS RD) TO MD 500
(QUEENS CHAPEL RD)/ADELPHI RD
HYATTSVILLE, MARYLAND

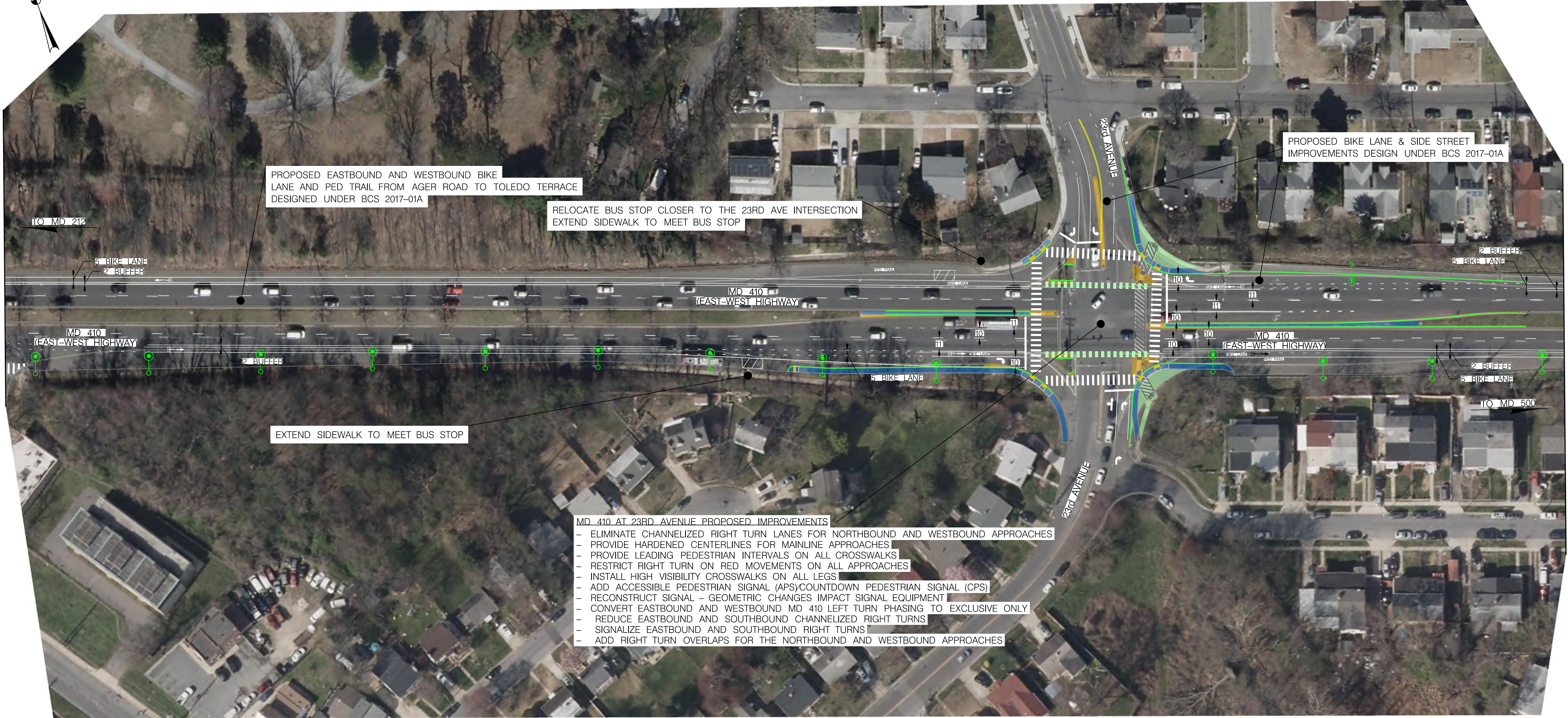
ALT 8 - BUS LANE & TWO-WAY CYCLE TRACK

SCALE 1"=50'	ADVERTISED DATE	CONTRACT NO.
DESIGNED BY	COUNTY	PRINCE GEORGE'S
DRAWN BY	LOGMILE	
CHECKED BY	HORIZONTAL SCALE	
MDE/PRD	VERTICAL SCALE	
DRAWING NO.	OF	SHEET NO. 1 OF 7

BY: 03059 -

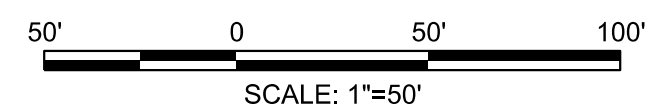
MATCH LINE SEE PS - 01 ALT 8 SAFETY IMPROVEMENTS

MATCH LINE SEE PS - 03 ALT 8 SAFETY IMPROVEMENTS



LEGEND

- INSTALL NEW LIGHT AND POLE
- REPLACE LIGHT ON EXISTING POLE
- FULL DEPTH PAVEMENT
- PROPOSED SIDEWALK OR PROPOSED CONC. MEDIAN
- PROPOSED GRASS
- PROPOSED GEOMETRICS (CURB/GUTTER/HARDENED CENTERLINE)
- EXISTING GEOMETRICS



DISTRICT 3 - TRAFFIC
MD 410 (EAST - WEST HWY)
PEDESTRIAN SAFETY ACTION PLAN
MD 212 (RIGGS RD) TO MD 500
(QUEENS CHAPEL RD)/ADELPHI RD
HYATTSVILLE, MARYLAND

ALT 8 - BUS LANE & TWO-WAY CYCLE TRACK

SCALE	1" = 50'	ADVERTISED DATE	CONTRACT NO.
DESIGNED BY		COUNTY	PRINCE GEORGE'S
DRAWN BY		LOGMILE	
CHECKED BY		HORIZONTAL SCALE	
MDE/PRD		VERTICAL SCALE	
DRAWING NO.	-	OF	SHEET NO. 2 OF 7

BY: 03059 -

PLOTTED: 4/2/2024
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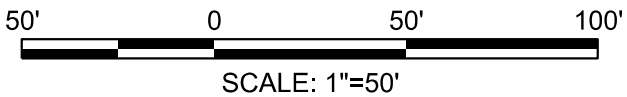
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LEGEND

- INSTALL NEW LIGHT AND POLE
- REPLACE LIGHT ON EXISTING POLE
- FULL DEPTH PAVEMENT
- PROPOSED SIDEWALK OR PROPOSED CONC. MEDIAN
- PROPOSED GRASS
- PROPOSED GEOMETRICS (CURB/GUTTER/HARDENED CENTERLINE)
- EXISTING GEOMETRICS



REVISIONS



DISTRICT 3 - TRAFFIC

MD 410 (EAST - WEST HWY)
PEDESTRIAN SAFETY ACTION PLAN
MD 212 (RIGGS RD) TO MD 500
(QUEENS CHAPEL RD)/ADELPHI RD
HYATTSVILLE, MARYLAND

ALT 8 - BUS LANE & TWO-WAY CYCLE TRACK

SCALE 1" = 50' ADVERTISED DATE CONTRACT NO.

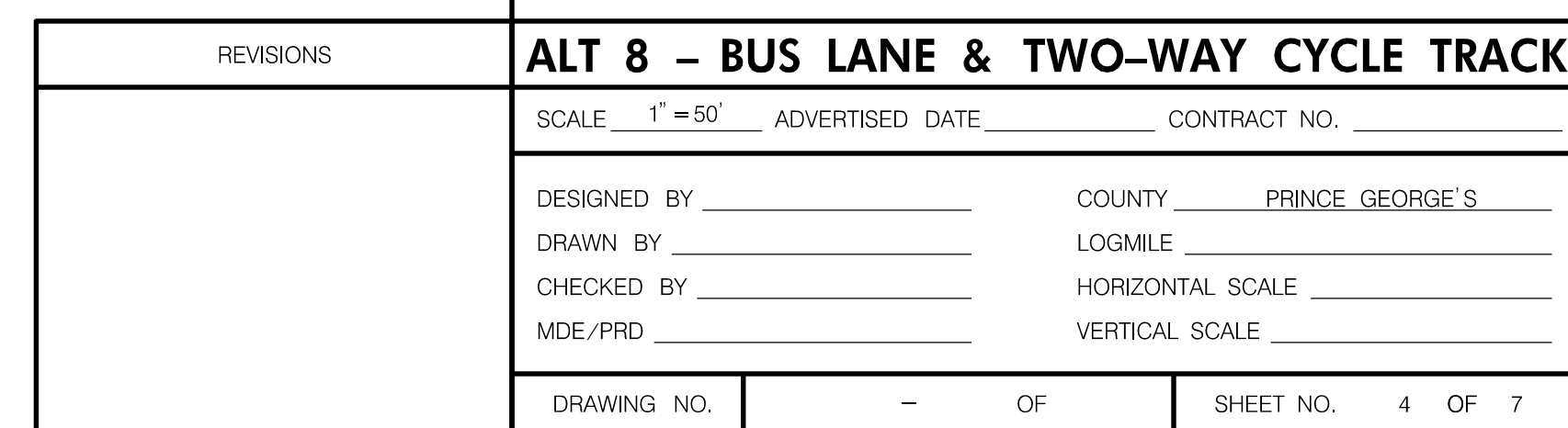
DESIGNED BY COUNTY PRINCE GEORGE'S
DRAWN BY LOGMILE
CHECKED BY HORIZONTAL SCALE
MDE/PRD VERTICAL SCALE

DRAWING NO. - OF SHEET NO. 3 OF 7

PS - 03



	INSTALL NEW LIGHT AND POLE
	REPLACE LIGHT ON EXISTING POLE
	FULL DEPTH PAVEMENT
	PROPOSED SIDEWALK OR PROPOSED CONC. MEDIAN
	PROPOSED GRASS
	PROPOSED GEOMETRICS (CURB/GUTTER/HARDENED CENTERLINE)
	EXISTING GEOMETRICS



BY: 03059 -

PLOTTED: 4/1/2024
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MATCH LINE SEE PS - 04 ALT 8 SAFETY IMPROVEMENTS

MATCH LINE SEE PS - 06 ALT 8 SAFETY IMPROVEMENTS

PS - 05

DISTRICT 3 - TRAFFIC



MD 410 (EAST - WEST HWY)
PEDESTRIAN SAFETY ACTION PLAN
MD 212 (RIGGS RD) TO MD 500
(QUEENS CHAPEL RD)/ADELPHI RD
HYATTSVILLE, MARYLAND

ALT 8 - BUS LANE & TWO-WAY CYCLE TRACK

SCALE 1" = 50' ADVERTISED DATE CONTRACT NO.

DESIGNED BY COUNTY PRINCE GEORGE'S
DRAWN BY LOGMILE
CHECKED BY HORIZONTAL SCALE
MDE/PRD VERTICAL SCALE

DRAWING NO. - OF SHEET NO. 5 OF 7

50' 0 50' 100'
SCALE: 1"=50'

REVISIONS

LEGEND

- INSTALL NEW LIGHT AND POLE
- REPLACE LIGHT ON EXISTING POLE
- FULL DEPTH PAVEMENT
- PROPOSED SIDEWALK OR PROPOSED CONC. MEDIAN
- PROPOSED GRASS
- PROPOSED GEOMETRICS (CURB/GUTTER/HARDENED CENTERLINE)
- EXISTING GEOMETRICS

MD 410 AT EASTERN AVENUE PROPOSED IMPROVEMENTS

- ELIMINATE CHANNELIZED RIGHT TURN LANE FOR THE WESTBOUND APPROACH. THIS INCLUDES THE REMOVAL OF THE WESTBOUND RIGHT TURN LANE
- INSTALL HARDENED CENTERLINE FOR THE EAST LEG
- PROVIDE LEADING PEDESTRIAN INTERVALS ON ALL CROSSWALKS
- RESTRICT RIGHT TURN ON RED MOVEMENTS
- REMOVE BRICK CROSSWALK ON NORTH LEG AND ADD CONTINENTAL CROSSWALKS, REFRESH SOUTH LEG CROSSWALK
- CONVERT EASTBOUND AND WESTBOUND MD 410 LEFT TURN PHASING TO EXCLUSIVE ONLY
- IMPLEMENT PEDESTRIAN RECALL DURING THE DAY (6 AM - 8 PM)

MD 410 AT EDITORS PARK DRIVE PROPOSED IMPROVEMENTS

- INSTALL HIGH VISIBILITY CROSSWALKS ON ALL LEGS
- RESTRICT RIGHT TURN ON RED MOVEMENTS
- INSTALL HARDENED CENTERLINES FOR THE EAST LEG
- EXTEND MEDIAN ON THE WEST LEG
- PROVIDE LEADING PEDESTRIAN INTERVALS ON ALL CROSSWALKS
- CONVERT WESTBOUND MD 410 LEFT TURN PHASING TO EXCLUSIVE ONLY
- IMPLEMENT PEDESTRIAN RECALL DURING THE DAY (6 AM - 8 PM)

INSTALL FLOATING BUS STOP WITH CONCRETE CURB FOR EXISTING BUS STOP

INSTALL HIGH VISIBILITY CROSSWALK

EXISTING APPROXIMATE ROW

TO MD 212

TOLEDO ROAD

11.5' TWO-WAY CYCLE TRACK

3' BUFFER

11' BUS LANE

MD 410
(EAST-WEST HIGHWAY)

11' BUS LANE

11.5' TWO-WAY CYCLE TRACK

MD 410
(EAST-WEST HIGHWAY)

11' BUS LANE

11' BUS LANE

10.5' TWO-WAY CYCLE TRACK

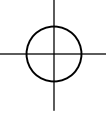
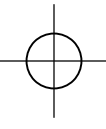
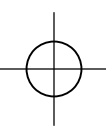
MD 410
(EAST-WEST HIGHWAY)

11' BUS LANE

TO MD 500

EASTERN AVENUE
HYATTSVILLE METRO
STATION ACCESS

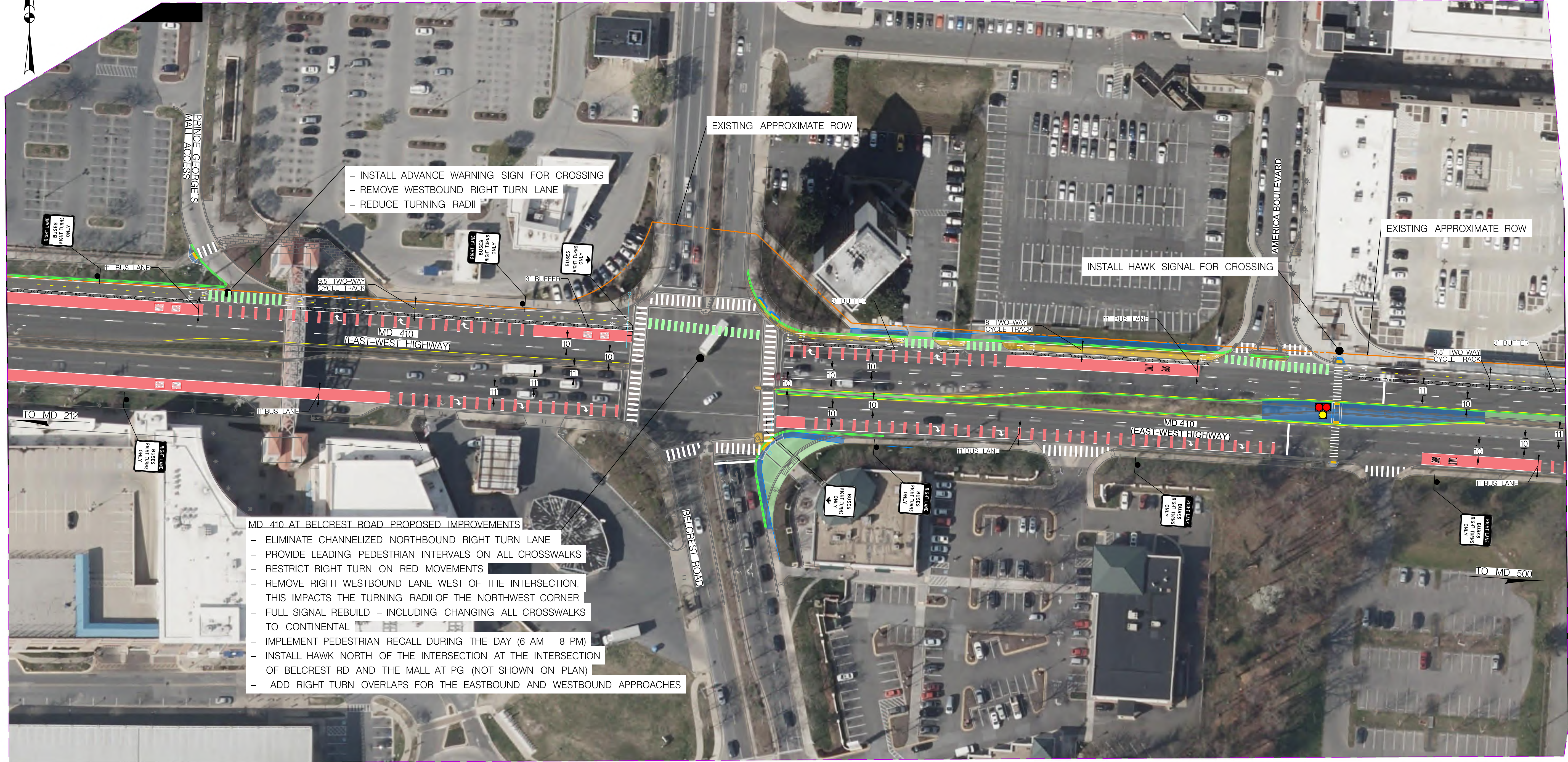
EDITORS PARK DRIVE



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PLOTTED: \$DATE\$TIME\$
FILE: \$FILES\$

MATCH LINE SEE PS - 05 ALT 8 SAFETY IMPROVEMENTS



MATCH LINE SEE PS - 07 ALT 8 SAFETY IMPROVEMENTS

LEGEND

- INSTALL NEW LIGHT AND POLE
- REPLACE LIGHT ON EXISTING POLE
- FULL DEPTH PAVEMENT
- PROPOSED SIDEWALK OR PROPOSED CONC. MEDIAN
- PROPOSED GRASS
- PROPOSED GEOMETRICS (CURB/GUTTER/HARDENED CENTERLINE)
- EXISTING GEOMETRICS

50' 0 50' 100'
SCALE: 1"=50'



DISTRICT 3 - TRAFFIC

MD 410 (EAST - WEST HWY)
PEDESTRIAN SAFETY ACTION PLAN
MD 212 (RIGGS RD) TO MD 500
(QUEENS CHAPEL RD)/ADELPHI RD
HYATTSVILLE, MARYLAND

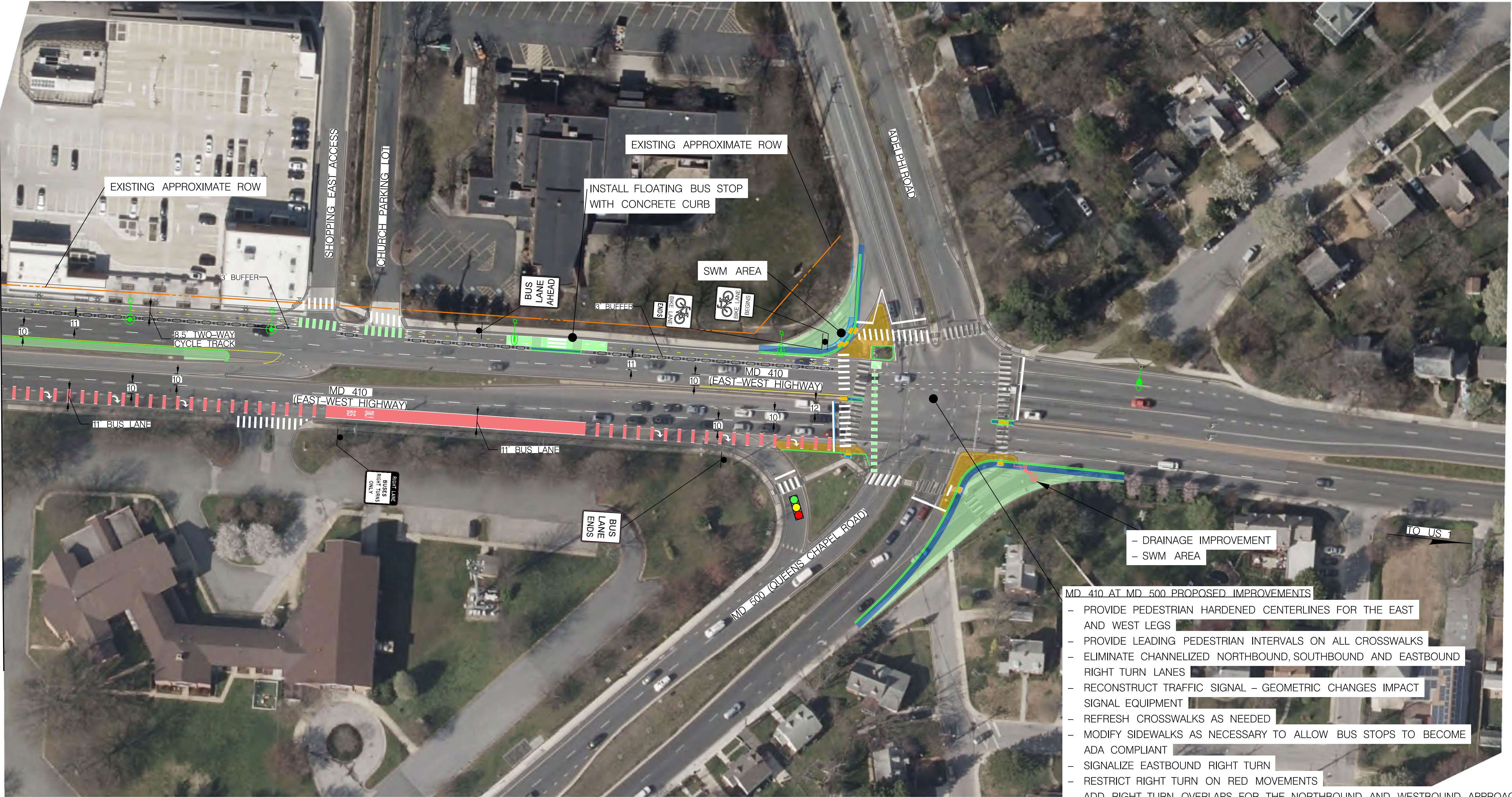
ALT 8 - BUS LANE & TWO-WAY CYCLE TRACK

SCALE	1" = 50'	ADVERTISED DATE	CONTRACT NO.
DESIGNED BY		COUNTY	PRINCE GEORGE'S
DRAWN BY		LOGMILE	
CHECKED BY		HORIZONTAL SCALE	
MDE/PRD		VERTICAL SCALE	
DRAWING NO.	-	OF	SHEET NO. 6 OF 7

BY: 03059 -

PLOTTED: 4/1/2024
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MATCH LINE SEE PS - 06 ALT 8 SAFETY IMPROVEMENTS



- MD 410 AT MD 500 PROPOSED IMPROVEMENTS
- PROVIDE PEDESTRIAN HARDENED CENTERLINES FOR THE EAST AND WEST LEGS
 - PROVIDE LEADING PEDESTRIAN INTERVALS ON ALL CROSSWALKS
 - ELIMINATE CHANNELIZED NORTHBOUND, SOUTHBOUND AND EASTBOUND RIGHT TURN LANES
 - RECONSTRUCT TRAFFIC SIGNAL - GEOMETRIC CHANGES IMPACT SIGNAL EQUIPMENT
 - REFRESH CROSSWALKS AS NEEDED
 - MODIFY SIDEWALKS AS NECESSARY TO ALLOW BUS STOPS TO BECOME ADA COMPLIANT
 - SIGNALIZE EASTBOUND RIGHT TURN
 - RESTRICT RIGHT TURN ON RED MOVEMENTS
 - ADD RIGHT TURN OVERLAPS FOR THE NORTHBOUND AND WESTBOUND APPROACHES

LEGEND

- INSTALL NEW LIGHT AND POLE
- REPLACE LIGHT ON EXISTING POLE
- FULL DEPTH PAVEMENT
- PROPOSED SIDEWALK OR PROPOSED CONC. MEDIAN
- PROPOSED GRASS
- PROPOSED GEOMETRICS (CURB/GUTTER/HARDENED CENTERLINE)
- EXISTING GEOMETRICS

50' 0 50' 100'
SCALE: 1"=50'

REVISIONS



DISTRICT 3 - TRAFFIC

MD 410 (EAST - WEST HWY)
PEDESTRIAN SAFETY ACTION PLAN
MD 212 (RIGGS RD) TO MD 500
(QUEENS CHAPEL RD)/ADELPHI RD
HYATTSVILLE, MARYLAND

ALT 8 - BUS LANE & TWO-WAY CYCLE TRACK

SCALE: 1"=50' ADVERTISED DATE: CONTRACT NO.:

DESIGNED BY: COUNTY: PRINCE GEORGE'S
DRAWN BY: LOGMILE:
CHECKED BY: HORIZONTAL SCALE:
MDE/PRD: VERTICAL SCALE:

DRAWING NO. - OF SHEET NO. 7 OF 7

PS - 07