## COUNTY OF DELAWARE ADDENDUM # 2 2024 DELAWARE COUNTY FACILITIES ASPHALT PAVING (eDPW-082124)

The County of Delaware advertised on the County of Delaware's website/PennBid and in the Philadelphia Inquirer and Daily Times newspapers the Invitation to Bid for: **2024 DELAWARE COUNTY FACILITIES ASPHALT PAVING (eDPW-082124)** on July 12, 2024. The In-Person Pre-Bid Meeting was scheduled on Monday, July 22, 2024 @ 11:00 a.m. at Fair Acres Geriatric Center, 340 N Middletown Road, Lima, PA 19037 and Bid proposals are to be received via PennBid on Wednesday, August 21, 2024 @ 11:30 a.m.

\*\*\*BID QUESTION, CLARIFICATIONS AND ANSWERS\*\*\*

BID PLANS HAVE BEEN UPLOADED TO PROJECT FILES.

SIGN IN SHEET FOR PRE-BID CONFERENCE ATTENDEES HAS BEEN UPLOADED TO PROJECT FILES.

MILLING MATERIALS EXTRACTED FROM THE FAIR ACRES JOB SITE CAN BE LEFT IN AREA INSTRUCTED BY ONSITE PERSONNEL INSTEAD OF NEEDING TO BE REMOVED FROM SITE BY CONTRACTOR.

# CONSTRUCTION PLANS FOR

# 2024 DELAWARE COUNTY FACILITIES ASPHALT REPAIR AND REPLACEMENT PROJECT

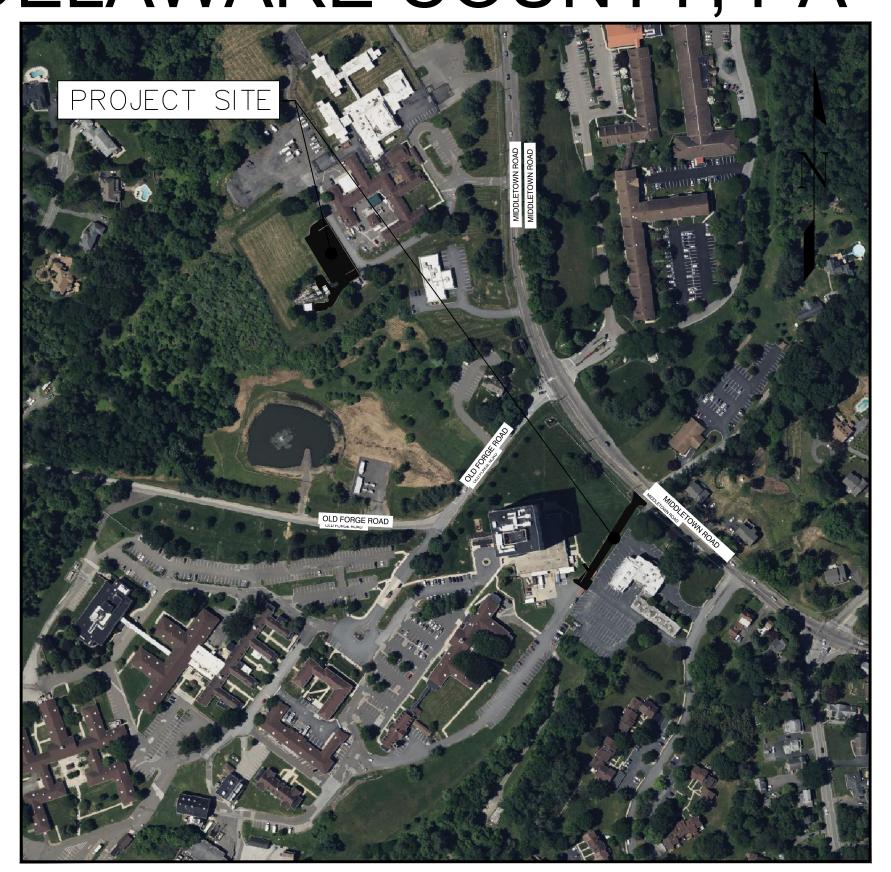
CONTRACT NO. EDPW-080924

911 CENTER, G.W. HILL CORRECTIONAL FACILITY, UPLAND PARK AND FAIR ACRES GERIATRIC CENTER DELAWARE COUNTY, PA



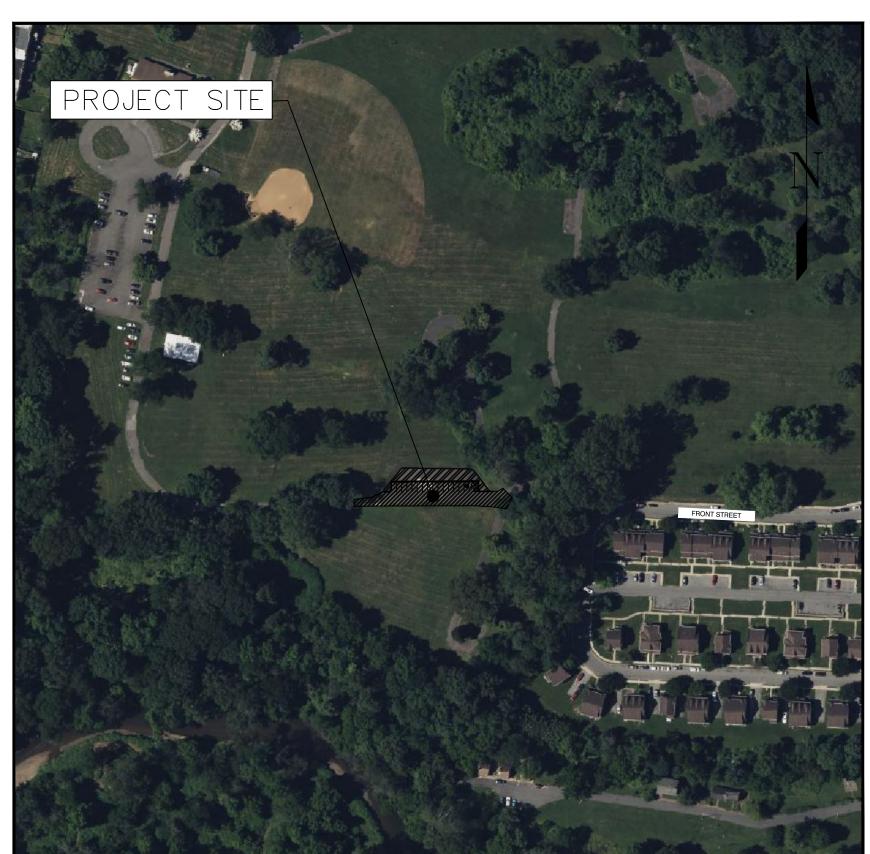
AERIAL MAP

SCALE: NTS



AERIAL MAP

SCALE: NTS



AERIAL MAP
SCALE: NTS



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#### BID ITEM LIST IF AND WHERE DESCRIPTION QUANTITY | QUANTITY DIRECTED MOBILIZATION (MAX 2.5% OF THE TOTAL AMOUNT BID UP TO \$10.000 3,370 230 3,600 7,455 1,070 1,200 1,070 130 CRACK SEALING (IF AND WHERE DIRECTED) 500 500

PREPARED BY
MG ENGINEERING ASSOCIATES, LLC
334 W. FRONT STREET
MEDIA, P.A. 19063
WWW.MGEASSOC.COM

#### SHEET INDEX

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SITE PLAN (911 CENTER)
3	SITE PLAN (FAIR ACRES)
4	SITE PLAN (G.W. HILL)
5	SITE PLAN (UPLAND PARK)
6	CONSTRUCTION DETAILS

#### ENGINEER: MICHAEL GALANTE PL 334 W. FRONT STREET

OWNER:

COUNTY OF DELAWARE
201 W. FRONT STREET
MEDIA, PA 19063

MICHAEL D. GALANTE

IG ENGINEERING SSOCIATES, LLC 34 W. FRONT STREET DIA, PA 19063 PHONE: 1-856-404-0540 WWW.MGEASSOC.COM

BID PLANS

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No. REVISION DATE BY CH

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CONSTRUCTION PLANS
FOR
VARE COUNTY FACILITIES ASPHALT
PAIR AND REPLACEMENT PROJECT
G.W. HILL CORRECTIONAL FACILITY

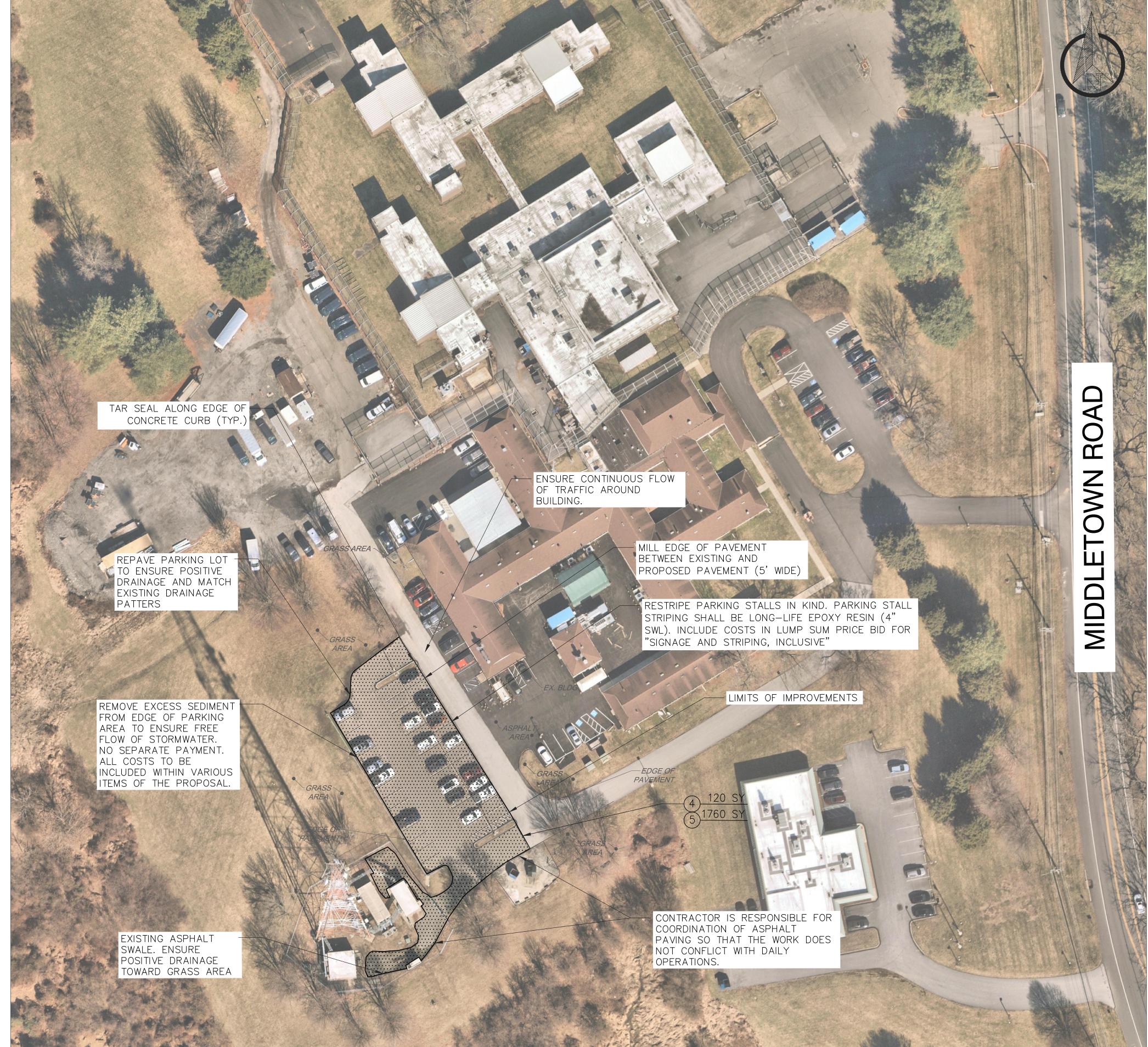
#### SCOPE OF WORK

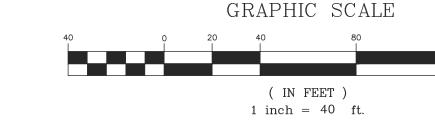
1. PROJECT LOCATION: DELAWARE COUNTY 911 CENTER 370 MIDDLETOWN ROAD MEDIA, PA 19063

THE SCOPE OF WORK INCLUDES EDGE MILLING AND RESURFACING OF THE DENOTED PARKING LOT AREA AND RESURFACING OF THE AREAS WITHIN THE CELL PHONE TOWER AREA. PRIOR TO THE START OF WORK, THE LIMITS OF WORK BE MARKED BY THE PROJECT ENGINEER. THE CONTRACTOR WILL THEN BE REQUIRED TO RESURFACE THE DENOTED AREAS AND RESTRIPE THE EXISTING PARKING STALLS IN KIND. RE—STRIPING OF THE PARKING AREA WILL BE PAID FOR BY THE LUMP SUM PRICE BID OF "SIGNAGE AND STRIPING INCLUSIVE". CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND PROTECTION OF TRAFFIC. LIMITS OF BASE REPAIR, IF REQUIRED, WILL BE MARKED PRIOR TO THE START OF WORK.

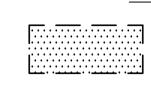
#### GENERAL NOTES

- 1. EXISTING CONDITIONS IS BASED UPON A AERIAL IMAGERY AND SITE VISITS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS, EXISTING CONDITIONS AND EXISTING UTILITIES IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. ANY ERRORS OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
- 3. ALL PAVED AND CONCRETE AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO A CONDITION AT LEAST EQUAL TO THAT WHICH EXISTED PRIOR TO THE START OF CONSTRUCTION.
- 4. CONTRACTOR SHALL CONTACT THE APPROPRIATE PUBLIC UTILITIES 72 HOURS IN ADVANCE OF ANY CONSTRUCTION ACTIVITIES.
- 5. ALL GRASSED OR WOODED AREAS DISTURBED DURING CONSTRUCTION SHALL BE TOPSOILED AND SEEDED.
- 6. ALL FILL SHALL BE PLACED IN 12" LAYERS AND THOROUGHLY COMPACTED TO THE SATISFACTION OF THE ENGINEER. IF BORROW FILL IS REQUIRED. IT SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND PRESERVATION OF UNDERGROUND AND SURFACE UTILITIES AND STRUCTURES AT OR ADJACENT TO THE SITE OF CONSTRUCTION AND IT SHALL BE AT HIS OWN EXPENSE TO REPAIR OR REPLACE ANYTHING THAT THE CONTRACTOR DAMAGES.
- 8. ALL CONSTRUCTION MATERIALS AND METHODS SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND PENNDOT PUBLICATION 408, LATEST EDITION, UNLESS OTHERWISE NOTED.
- 9. THE CONTRACTOR IS RESPONSIBLE FOR DAILY MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES, PREVENTION OF RUNOFF FROM THE SITE, AND RESTORATION OF THE STREETS TO THEIR ORIGINAL CONDITIONS.
- 10. UNLESS OTHERWISE NOTED, EXISTING TREES ARE TO BE PROTECTED FROM DAMAGE DURING CONSTRUCTION ACTIVITIES.
- 11. CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY FENCING TO ENSURE SAFETY OF THE PUBLIC.
- 12. ALL PROPOSED IMPROVEMENTS THAT ARE COMPLETED OUTSIDE THE SUPERVISION OF THE PROJECT ENGINEER WILL NEED TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.
- 13. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ASPHALT PAVEMENT, CONCRETE CURB, GRAVEL, AND VEGETATION FOR THE REPAIR OF THE EXISTING PIPE. ALL FEATURES WITHIN THE IMPROVEMENTS LINE ON THE SITE SHALL BE REMOVED UNLESS OTHERWISE INDICATED. ALL DISCREPANCIES SHALL BE COORDINATED WITH THE ENGINEER, PRIOR TO THE START OF THE CONSTRUCTION,
- 14. CONTRACTOR SHALL COORDINATE WITH LOCAL UTILITY AUTHORITIES PRIOR TO UNDERGROUND EXCAVATIONS AND CALL IN A PA—ONE CALL PRIOR TO START OF CONSTRUCTION AND DURING THE DURATION OF CONSTRUCTION AS NECESSARY TO LAWFULLY EXCAVATE.
- 15. THE CONTRACTOR SHALL NOTIFY DELAWARE COUNTY AND THE PROJECT ENGINEER A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
- 16. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND PROTECTION OF PEDESTRIAN AND VEHICULAR TRAFFIC.
- 17. MG ENGINEERING ASSOCIATES, LLC MAKES NO CLAIM AS TO THE ACCURACY OF THE UNDERGROUND UTILITIES SHOWN ON THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND VERIFYING THE DEPTH OF THE EXISTING UTILITIES; IN THE EVENT OF A UTILITY CONFLICT, THE ENGINEER SHALL BE NOTIFIED.
- 18. CONTRACTOR WILL BE REQUIRED TAKE PRE—CONSTRUCTION PHOTOGRAPHS OF ENTIRE WORK AREA.





1,760







= DENOTES CONCRETE PAVEMENT



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PHONE: 1-856-404-0540

OWNER: COUNTY OF DELAWARE 201 W. FRONT STREET MEDIA, PA 19063

PHONE: 1-610-891-4669

DATE: 5-6-2024

MICHAEL D. GALANTE
PA PROFESSIONAL ENGINEER LIC. No. PE 080959

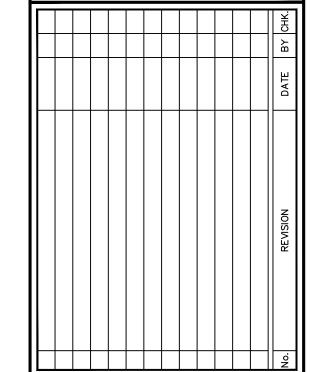
MG ENGINEERING ASSOCIATES, LLC 334 W. FRONT STREET EDIA, PA 19063 PHONE 1-856-404-0540 WWW.MGEASSOC.COM

BID PLANS

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TION PLANS OR ITY FACILITIES ASPHALT EPLACEMENT PROJECT CORRECTIONAL FACILITY,

CONSTRUCTION PLANS
FOR
7024 DELAWARE COUNTY FACILITIES
PAVING REPAIR AND REPLACEMENT
11 CENTER, G.W. HILL CORRECTION
AND PARK AND FAIR ACRES GERIAT

SITE

	PLAN QUANTITY		
ITEM NO.	DESCRIPTION	UNIT	PLAN QUANTIT
4	ASPHALT MILLING, 1-1/2" DEPTH, MILLED MATERIAL RETAINED BY CONTRACTOR	SY	120

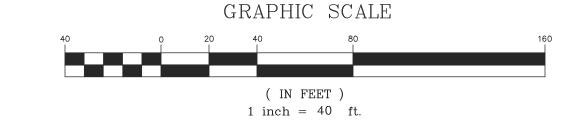
SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, 3 TO 10 MILLION ESALS, 9.5 MM MIX, 2" DEPTH, SRL-L



# PLAN QUANTITY

ITEM NO.	DESCRIPTION	UNIT	PLAN QUANTITY		
4	ASPHALT MILLING, 1-1/2" DEPTH, MILLED MATERIAL RETAINED BY CONTRACTOR	SY	50		
5	SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, 3 TO 10 MILLION ESALS, 9.5 MM MIX, 2" DEPTH, SRL-L	SY	645		
6	SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG64S-22, 3 TO 10 MILLION ESALS, 19 MM MIX, 2.5" DEPTH, SRL-L	SY	20		
7	2A STONE SUBBASE, 6" THICK	SY	20		
9	PLAIN CEMENT CONCRETE SIDEWALK	SY	10		

 $\frac{\text{PLAN}}{\text{SCALE: 1"= 40'}}$ 



#### GENERAL SCOPE OF WORK

1. PROJECT LOCATION: FAIR ACRES GERIATRIC CENTER
340 MIDDLETOWN ROAD
MEDIA, PA 19063

THE SCOPE OF WORK INCLUDES EDGE MILLING AND RESURFACING OF THE DENOTED ACCESS DRIVE. ADDITIONAL WORK INCLUDE AN MINOR EXPANSION OF THE DRIVEWAY TO PROVIDE A GREATER TURNING AREA. CONCRETE SIDEWALK IS PROPOSED TO MATCH THE PROPOSED ASPHALT GRADE. PRIOR TO THE START OF WORK, THE LIMITS OF IMPROVEMENTS AND BASE REPAIR WILL BE MARKED BY THE PROJECT ENGINEER. THE CONTRACTOR WILL THEN BE REQUIRED TO MILL AND RESURFACE THE DENOTED AREAS. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND PROTECTION OF TRAFFIC.

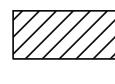
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- 18. CONTRACTOR WILL BE REQUIRED TAKE PRE—CONSTRUCTION PHOTOGRAPHS OF ENTIRE WORK AREA.





DENOTES ASPHALT PAVEMENT TO BE RESURFACED WITH 1.5" OVERLAY



= DENOTES FULL DEPTH ASPHALT



= DENOTES CONCRETE PAVEMENT



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334 W. FRONT STREET
MEDIA, PA 19063
PHONE: 1-856-404-0540

OWNER:

COUNTY OF DELAWARE
201 W. FRONT STREET
MEDIA, PA 19063
PHONE: 1-610-891-4669

DATE: 5-6-2024

MICHAEL D. GALANTE

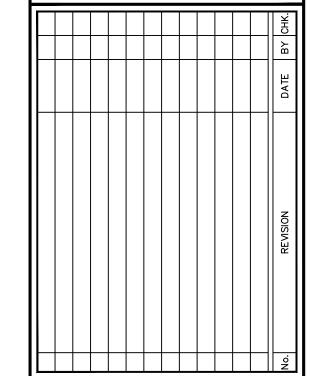
PA PROFESSIONAL ENGINEER LIC. No. PE 080959

4G ENGINEERING 4SSOCIATES, LLC 334 W. FRONT STREET EDIA, PA 19063 PHONE: 1-856-404-0540 WWW.MGEASSOC.COM

BID PLANS

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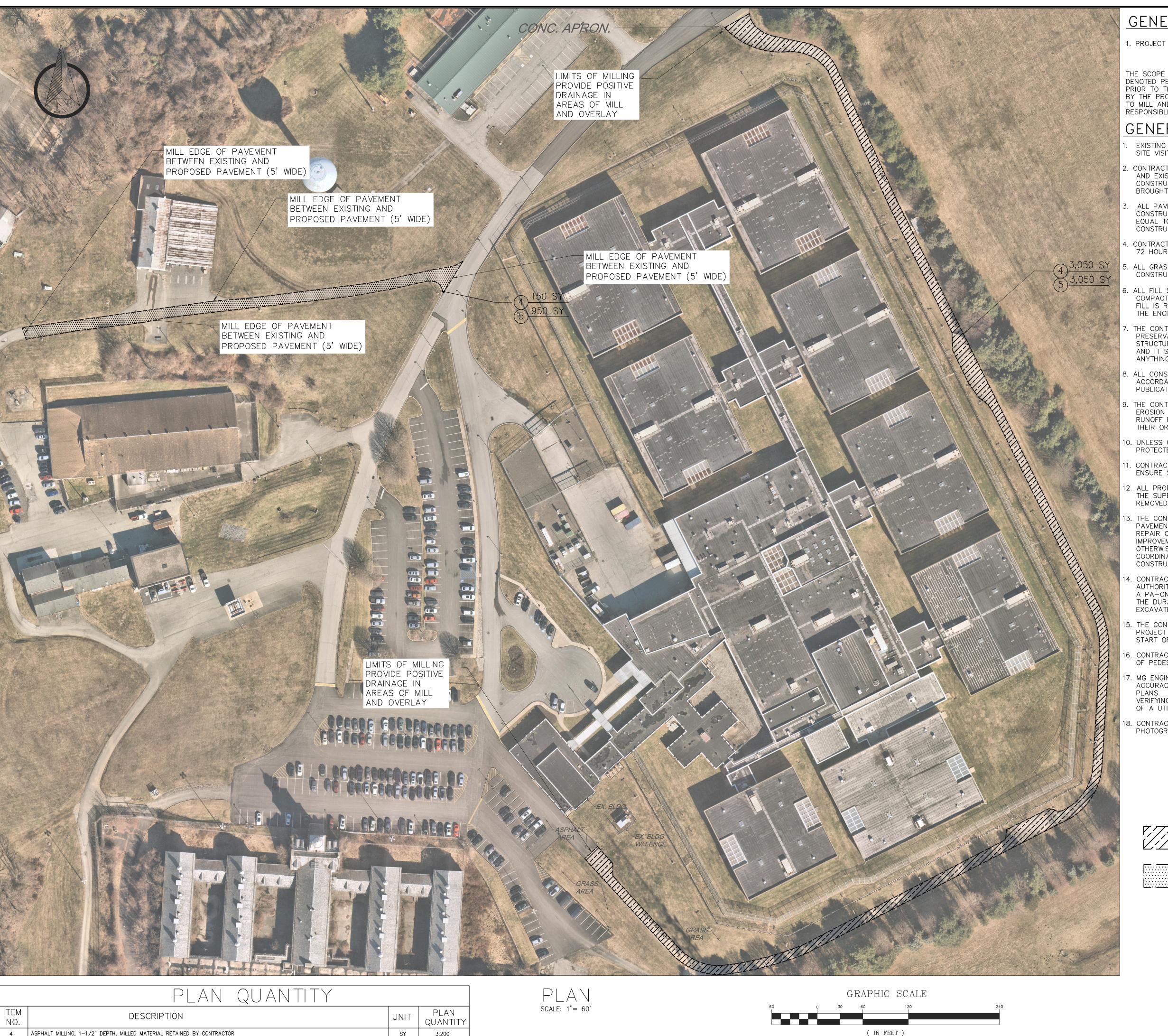


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NN PLANS

FACILITIES ASPHALT

CONSTRUCTION PLANS FOR ELAWARE COUNTY FACILITIES 3 REPAIR AND REPLACEMENT ITER, G.W. HILL CORRECTIONA



ASPHALT MILLING, 1-1/2" DEPTH, MILLED MATERIAL RETAINED BY CONTRACTOR

SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, 3 TO 10 MILLION ESALS, 9.5 MM MIX, 2" DEPTH, SRL-L

SY

3,200

#### GENERAL SCOPE OF WORK

PROJECT LOCATION: GEORGE W. HILL CORRECTIONAL FACILITY 500 CHEYNEY ROAD THORTON, PA 19373

THE SCOPE OF WORK INCLUDES MILLING AND RESURFACING OF THE DENOTED PERIMETER ACCESS LOOP AND A DRIVEWAY AT THE FACILITY. PRIOR TO THE START OF WORK, THE LIMITS OF MILLING WILL BE MARKET BY THE PROJECT ENGINEER. THE CONTRACTOR WILL THEN BE REQUIRED TO MILL AND RESURFACE THE DENOTED AREAS. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND PROTECTION OF TRAFFIC.

#### GENERAL NOTES

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- B. CONTRACTOR WILL BE REQUIRED TAKE PRE-CONSTRUCTION PHOTOGRAPHS OF ENTIRE WORK AREA.

= DENOTES ASPHALT PAVEMENT TO BE MILLED AND RESURFACED



1 inch = 60 ft.

DENOTES ASPHALT PAVEMENT TO BE RESURFACED WITH 1.5" OVERLAY



**ENGINEER:** MICHAEL GALANTE PE 334 W. FRONT STREET MEDIA, PA 19063 PHONE: 1-856-404-0540

OWNER:

COUNTY OF DELAWARE 201 W. FRONT STREET MEDIA, PA 19063 PHONE: 1-610-891-4669

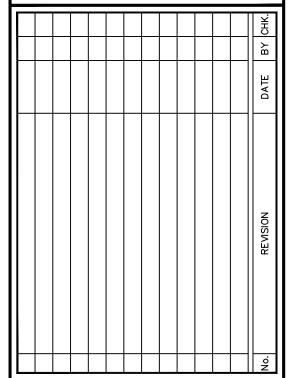
5-6-2024 MICHAEL D. GALANTE PA PROFESSIONAL ENGINEER LIC. No. PE 080959

> STREET S3 PHONE: -0540 OC.COM RING LLC ENGINE

> > BID PLANS

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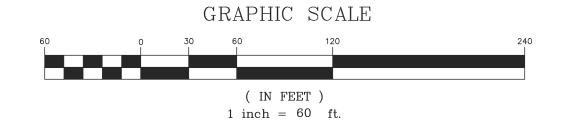


DRAWN BY : DESIGN BY : CHECKED BY : SCALE : M.D.G. M.D.G. AS NOTED MAY 2024



 $\frac{\text{D} \, \bot \, \bigwedge}{\text{SCALE: } 1"= 6}$ 

PLAN QUANTITY ITEM PLAN DESCRIPTION UNIT NO. QUANTIT' SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, 3 TO 10 MILLION ESALS, 9.5 MM MIX, 2" DEPTH, SRL-L 1,050 SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG64S-22, 3 TO 10 MILLION ESALS, 19 MM MIX, 2.5" DEPTH, SRL-L SY 1,050 2A STONE SUBBASE, 6" THICK SY 1,050 EA PRECAST CONCRETE WHEEL STOP



#### GENERAL SCOPE OF WORK

1. PROJECT LOCATION: UPLAND PARK 280 6TH STREET UPLAND, PA 19015

IN GENERAL, THE SCOPE OF WORK INCLUDES THE REMOVAL OF EXISTING ASPHALT AND CONCRETE PAVEMENT, REGRADING OF THE PROPOSED PAVEMENT AREA WITH 2A STONE SUBBASE, INSTALLATION OF ASPHALT BASE AND WEARING COURSE, INSTALLATION OF SIGNAGE AND STRIPING AS INDICATED ON THE PLANS TO BE PAID FOR WITH THE LUMP SUM PRICE BID FOR SIGNAGE AND STRIPING, INCLUSIVE. THE AREAS WHERE THE ASPHALT PAVEMENT IS BEING COMPLETELY REMOVED WILL NEED TO BE REGRADED FOR POSITIVE DRAINAGE AND THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF FERTILIZER, TOPSOIL, SEED AND STRAW MULCH. LIMITS OF BASE REPAIR, IF REQUIRED, WILL BE MARKED PRIOR TO THE START OF WORK. THE CONTRACTOR WILL ALSO BE REQUIRED TO INSTALL SILT FENCE FOR EROSION AND SEDIMENT CONTROL AS DEPICTED ON THE PLANS.

#### GENERAL NOTES

- 1. EXISTING CONDITIONS IS BASED UPON A AERIAL IMAGERY AND SITE VISITS.
- 2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, EXISTING CONDITIONS AND EXISTING UTILITIES IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. ANY ERRORS OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
- 3. ALL PAVED AND CONCRETE AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO A CONDITION AT LEAST EQUAL TO THAT WHICH EXISTED PRIOR TO THE START OF CONSTRUCTION.
- 4. CONTRACTOR SHALL CONTACT THE APPROPRIATE PUBLIC UTILITIES 72 HOURS IN ADVANCE OF ANY CONSTRUCTION ACTIVITIES.
- 5. ALL GRASSED OR WOODED AREAS DISTURBED DURING CONSTRUCTION SHALL BE TOPSOILED AND SEEDED.
- 6. ALL FILL SHALL BE PLACED IN 12" LAYERS AND THOROUGHLY COMPACTED TO THE SATISFACTION OF THE ENGINEER. IF BORROW FILL IS REQUIRED. IT SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND PRESERVATION OF UNDERGROUND AND SURFACE UTILITIES AND STRUCTURES AT OR ADJACENT TO THE SITE OF CONSTRUCTION AND IT SHALL BE AT HIS OWN EXPENSE TO REPAIR OR REPLACE ANYTHING THAT THE CONTRACTOR DAMAGES.
- 8. ALL CONSTRUCTION MATERIALS AND METHODS SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND PENNDOT PUBLICATION 408, LATEST EDITION, UNLESS OTHERWISE NOTED.
- 9. THE CONTRACTOR IS RESPONSIBLE FOR DAILY MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES, PREVENTION OF RUNOFF FROM THE SITE, AND RESTORATION OF THE STREETS TO THEIR ORIGINAL CONDITIONS.
- 10. UNLESS OTHERWISE NOTED, EXISTING TREES ARE TO BE PROTECTED FROM DAMAGE DURING CONSTRUCTION ACTIVITIES.
- 11. CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY FENCING TO ENSURE SAFETY OF THE PUBLIC.
- 12. ALL PROPOSED IMPROVEMENTS THAT ARE COMPLETED OUTSIDE THE SUPERVISION OF THE PROJECT ENGINEER WILL NEED TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.
- 13. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ASPHALT PAVEMENT, CONCRETE CURB, GRAVEL, AND VEGETATION FOR THE REPAIR OF THE EXISTING PIPE. ALL FEATURES WITHIN THE IMPROVEMENTS LINE ON THE SITE SHALL BE REMOVED UNLESS OTHERWISE INDICATED. ALL DISCREPANCIES SHALL BE COORDINATED WITH THE ENGINEER, PRIOR TO THE START OF THE CONSTRUCTION,
- 14. CONTRACTOR SHALL COORDINATE WITH LOCAL UTILITY AUTHORITIES PRIOR TO UNDERGROUND EXCAVATIONS AND CALL IN A PA-ONE CALL PRIOR TO START OF CONSTRUCTION AND DURING THE DURATION OF CONSTRUCTION AS NECESSARY TO LAWFULLY EXCAVATE.
- 15. THE CONTRACTOR SHALL NOTIFY DELAWARE COUNTY AND THE PROJECT ENGINEER A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
- 16. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND PROTECTION OF PEDESTRIAN AND VEHICULAR TRAFFIC.
- 17. MG ENGINEERING ASSOCIATES, LLC MAKES NO CLAIM AS TO THE ACCURACY OF THE UNDERGROUND UTILITIES SHOWN ON THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND VERIFYING THE DEPTH OF THE EXISTING UTILITIES; IN THE EVENT OF A UTILITY CONFLICT, THE ENGINEER SHALL BE NOTIFIED.
- 18. CONTRACTOR WILL BE REQUIRED TAKE PRE—CONSTRUCTION PHOTOGRAPHS OF ENTIRE WORK AREA.

KEY

= DENOTES ASPHALT PAVEMENT TO BE MILLED AND RESURFACED

-

= DENOTES PAVEMENT TO BE REMOVED



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PHONE: 1-856-404-0540

<u>OWNER:</u>

COUNTY OF DELAWARE
201 W. FRONT STREET
MEDIA, PA 19063
PHONE: 1-610-891-4669

DATE: 5-6-2024

MICHAEL D. GALANTE

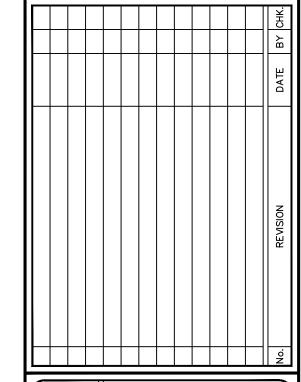
PA PROFESSIONAL ENGINEER LIC. No. PE 080959

1G ENGINEERING SSOCIATES, LLC 334 W. FRONT STREET DIA, PA 19063 PHONI 1-856-404-0540 WWW.MGEASSOC.COM

**BID PLANS** 

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RUCTION PLANS
FOR
DINTY FACILITIES ASPHALT
DIREPLACEMENT PROJECT

CONSTRUCT

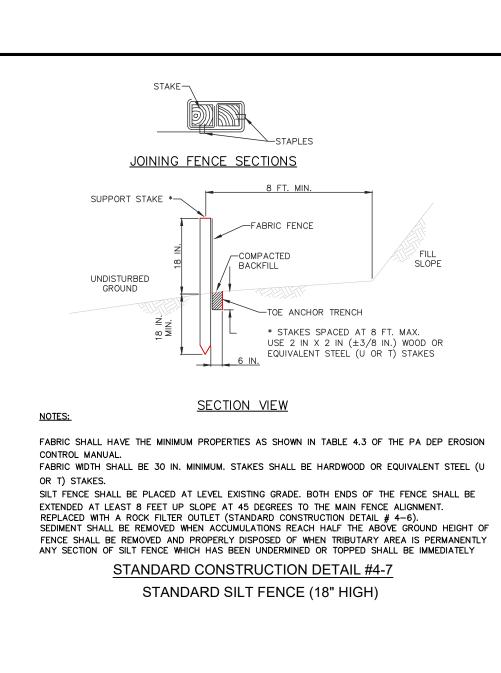
CONSTRUCT

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2024 DELAWARE COUNT

PAVING REPAIR AND RE

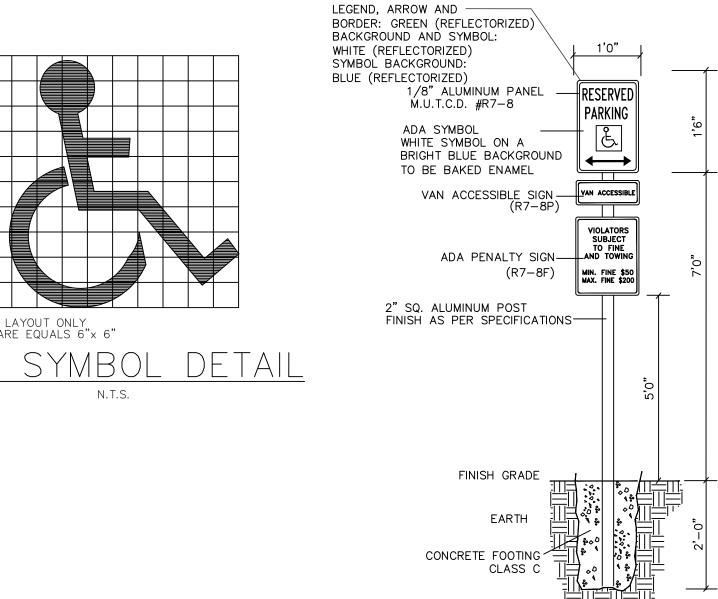
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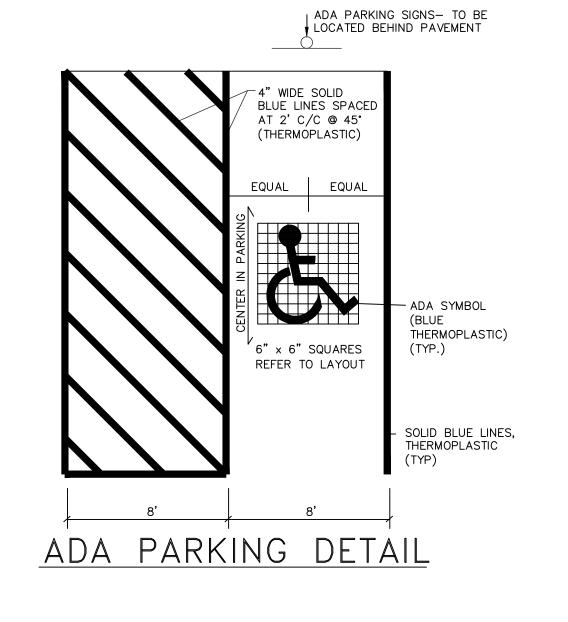


SUPERPAVE ASPHALT MIXTURE DESIGN, HMA WEARING COURSE, PG64S-22, 3 TO 10 MILLION ESALS,

9.5 MM MIX, 1-1/2" DEPTH, SRL-L









ADA PENALTY SIGN

ADAN.T.S.SIGN DETAILS

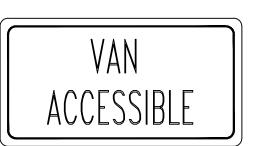
12" X 18"

<u>R7-8</u>

ON WHITE BACKGROUND.

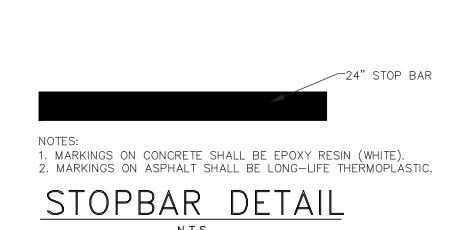
GREEN LEGEND AND BLUE SYMBOL

ADA PARKING SIGN

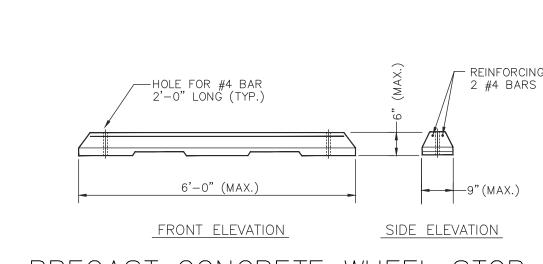


NOTES: 1. GREEN LEGEND ON WHITE REFLECTORIZED BACKGROUND. 2. 12" x 6" SIGN 3. TO BE INSTALLED WHEN NOTED ON PLANS

VAN ACCESSIBLE SIGN DETAIL



STRIPING AND TRAFFIC MARKING NOTES: ALL STRIPING (LONG-LIFE EPOXY RESIN) AND TRAFFIC MARKINGS (LONG-LIFE THERMOPLASTIC) SHALL CONFORM WITH PENNDOT STANDARDS.





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**ENGINEER:** 

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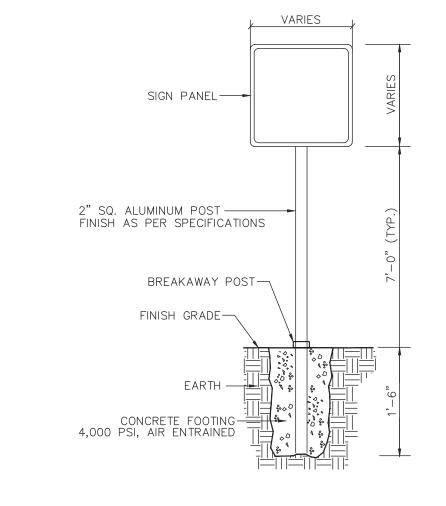
SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOL

RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO MG ENGINEERING ASSOCIATES, LLC; AND OWNER SHALL

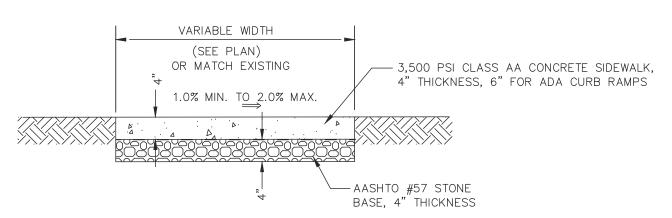
AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM

INDEMNIFY AND HOLD HARMLESS MG ENGINEERING

ASSOCAITES, LLC FROM ALL CLAIMS, DAMAGES, LOSSES







#### CONCRETE SIDEWALK DETAIL

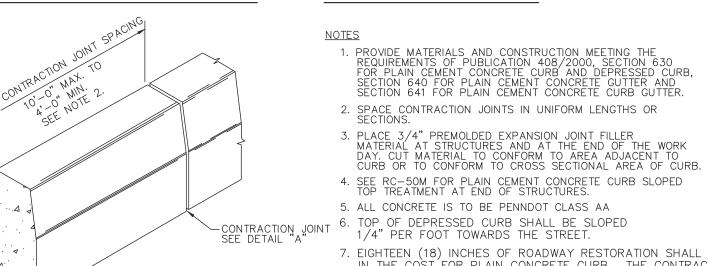
NOTE:

N.T.S. DETAIL SHALL BE UTILIZED FOR INSTALLATION OF CONCRETE SIDEWALK WITHIN BOROUGH R.O.W AND ONSITE CONCRETE SIDEWALK. CONTRACTOR SHALL INCLUDE THE COST OF 2B, COURSE AGGREGATE IN THE PRICE BID FOR "PLAIN CONCRETE

THIS DETAIL SHALL ALSO BE UTILIZED FOR THE FOLLOWING ADDITIONAL PAY

A. "CEMENT CONCRETE SIDEWALK FOR CURB RAMP CONSTRUCTION, INCLUDING DETECTABLE WARNING SURFACES, 6" THICK.

## CLASS AA— CONCRETE DETAIL "A" **TYPICAL CONTRACTION JOINT CROSS SECTION**



7. EIGHTEEN (18) INCHES OF ROADWAY RESTORATION SHALL BE INCLUDED IN THE COST FOR PLAIN CONCRETE CURB. THE CONTRACTOR IS RESPONSIBLE TO LIMIT THE WIDTH OF THE RESTORATION TRENCH 8. CONTRACTOR SHALL SAWCUT PAVEMENT AND EXISTING CONCRETE, AND FORM NEW CURB WITH FORMS SET ON THE FRONT AND BACK OF THE NEW CURB. FACE FORMED CURB IS NOT PERMITTED.

SUPERPAVE ASPHALT MIXTURE

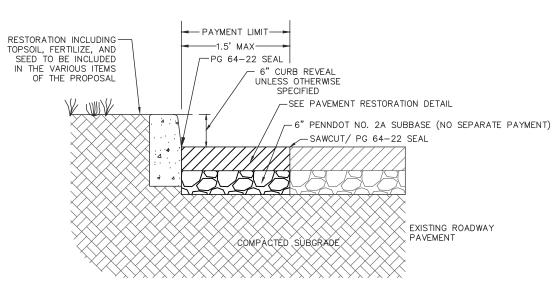
- 2A STONE SUBBASE, 6" THICK

2.5" THICK, SRL-L

FULL DEPTH PAVEMENT DETAIL

DESIGN, BASE COURSE, PG64S-22, 3 TO 10 MILLION ESALS, 25 MM MIX,

9. CURB SHALL BE MONOLITHIC, INDEPENDENT FROM CURB CURB RAMPS PLAIN CEMENT CONCRETE CURB



CONCRETE CURB ROADWAY RESTORATION DETAIL N.T.S.

- REINFORCING-

PRECAST CONCRETE WHEEL STOP DETAIL