CONSTRUCTION PLAN
DELAWARE TECHNICAL & COMMUNITY COLLEGE GEORGE CAMPUS - LOT NO. 1 IMPROVEMENTS
TAX PARCEL # 26-043.10-094, 26-035.30-330

DNREC GENERAL NOTES:

1. THE DNREC SEDIMENT AND STORMWATER PROGRAM (OR DELEGATED AGENCY)SHALL BE NOTIFIED IN WRITING 5 DAYS PRIOR TO COMMENCING WITH CONSTRUCTION. FAILURE TO DO SO CONSTITUTES A VIOLATION OF THE APPROVED SEDIMENT AND STORMWATER MANAGEMENT PLAN.
2. REVIEW AND/OR APPROVAL OF THE SEDIMENT AND STORMWATER MANAGEMENT PLAN SHALL NOT RELIEVE THE CONTRACTOR FROM HIS OR HER RESPONSIBILITIES FOR COMPLIANCE WITH THE REQUIREMENTS OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS, NOR SHALL IT RELIEVE THE CONTRACTOR FROM ERRORS OR OMISSIONS IN THE APPROVED PLAN.
3. IF THE APPROVED PLAN NEEDS TO BE MODIFIED, ADDITIONAL SEDIMENT AND STORMWATER CONTROL MEASURES MAY BE REQUIRED AS DEEMED NECESSARY BY DNREC OR THE DELEGATED AGENCY.
4. FOLLOWING SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED FOR ALL PERIMETER SEDIMENT CONTROLS, SOIL STOCKPILES, AND ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE WITHIN 14 CALENDAR DAYS UNLESS MORE RESTRICTIVE FEDERAL REQUIREMENTS APPLY.
5. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL COMPLY WITH THE DELAWARE EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.
6. AT ANY TIME A DEWATERING OPERATION IS USED, IT SHALL BE PREVIOUSLY APPROVED BY THE AGENCY CONSTRUCTION SITE REVIEWER FOR A NON-EROSIVE POINT OF DISCHARGE, AND A DEWATERING PERMIT SHOULD BE APPROVED BY THE DNREC WELL PERMITTING BRANCH.
7. APPROVAL OF A SEDIMENT AND STORMWATER MANAGEMENT PLAN DOES NOT GRANT OR IMPLY A RIGHT TO DISCHARGE STORMWATER RUNOFF. THE OWNER/DEVELOPER IS RESPONSIBLE FOR ACQUIRING ANY AND ALL AGREEMENTS, EASEMENTS, ETC., NECESSARY TO COMPLY WITH STATE DRAINAGE AND OTHER APPLICABLE LAWS.
8. THE CONTRACTOR SHALL AT ALL TIMES PROTECT AGAINST SEDIMENT OR DEBRIS LADEN RUNOFF OR WIND FROM LEAVING THE SITE. PERIMETER CONTROLS SHALL BE CHECKED DAILY AND ADJUSTED OR REPAIRED TO FULLY CONTAIN AND CONTROL SEDIMENT FROM LEAVING THE SITE. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT HAS REACHED HALF OF THE EFFECTIVE CAPACITY OF THE CONTROL. IN ADDITION, THE CONTRACTOR MAY NEED TO ADJUST OR ALTER MEASURES IN TIMES OF ADVERSE WEATHER CONDITIONS, OR AS DIRECTED BY THE AGENCY CONSTRUCTION SITE REVIEWER.
9. BEST AVAILABLE TECHNOLOGY (BAT) SHALL BE EMPLOYED TO MANAGE TURBID DISCHARGES IN ACCORDANCE WITH REQUIREMENTS OF 8. DEL C. CH 60, REGULATIONS GOVERNING THE CONTROL OF WATER POLLUTION, SECTION 9.1.02, KNOWN AS SPECIAL CONDITIONS FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES, AND DNREC POLICIES, PROCEDURES, AND GUIDANCE.

CONTRACTOR NOTES:

1. THE LOCATIONS OF EXISTING UTILITIES THAT ARE INDICATED ON THESE PLANS ARE TAKEN FROM AVAILABLE INFORMATION AT THE TIME THE PLANS WERE PREPARED. COMPLETENESS OR CORRECTNESS THEREOF IS NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT MISS-UTILITY OF DELMARVA (TELEPHONE 1-800-282-8555) AND A PRIVATE UTILITY LOCATOR TO MARK OUT THE LOCATIONS OF ALL UNDERGROUND UTILITIES IN THE AREA OF WORK, NO LESS THAN 72 HOURS PRIOR TO INITIATING INTRUSIVE WORK. THE CONTRACTOR SHALL CONTACT THE OWNERS OF UTILITIES AT RISK AS A RESULT OF CONDUCTING THE WORK HEREIN. THE CONTRACTOR SHALL CONSULT WITH UTILITY OWNERS TO OBTAIN THE MOST ACCURATE INFORMATION AVAILABLE WITH REGARD TO UTILITY ELEVATION AND LOCATION. SHOULD ADDITIONAL UTILITIES BE FOUND THAT ARE NOT LOCATED ON THE PLANS, IMMEDIATELY NOTIFY THE ENGINEER. IF, DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHOULD ENCOUNTER UTILITIES OTHER THAN THOSE SHOWN ON THE PLANS, THEY SHALL IMMEDIATELY NOTIFY THE ENGINEER AND OWNER AND TAKE NECESSARY AND PROPER STEPS TO PROTECT THE FACILITIES AND ENSURE CONTINUANCE OF SERVICE TO THE EXISTING STRUCTURES TO REMAIN.
2. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND ELEVATIONS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH WORK.
3. THE CONTRACTOR SHALL PHOTO/VIDEO DOCUMENT EXISTING CONDITIONS PRIOR TO START OF WORK.
4. THE CONTRACTOR SHALL EXERCISE APPROPRIATE CARE DURING WORK AS NOT TO DISTURB UTILITY POLES, SIGNAGE, AND OTHER STRUCTURES TO REMAIN.
5. CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES NOT SCHEDULED FOR DEMOLITION FROM DAMAGES DUE TO THE WORK PERFORMED.
6. CONTRACTOR SHALL PRESERVE ALL TREES ON SITE BEYOND THE LIMIT OF CONSTRUCTION.
7. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR ALL DISTURBED AREAS DURING CONSTRUCTION IN COMPLIANCE WITH THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS.

SEQUENCE OF CONSTRUCTION:

1. NOTIFY THE DNREC SEDIMENT AND STORMWATER PROGRAM IN WRITING AT LEAST FIVE (5) DAYS PRIOR TO THE START OF CONSTRUCTION. FAILURE TO DO SO CONSTITUTES A VIOLATION OF THE APPROVED SEDIMENT AND STORMWATER MANAGEMENT PLAN.
2. THE DNREC CONSTRUCTION SITE REVIEWER WILL DETERMINE IF A PRE-CONSTRUCTION MEETING IS REQUIRED, PRIOR TO START OF CONSTRUCTION. THE LANDOWNER/DEVELOPER, CONTRACTOR, AND THIRD PARTY CERTIFIED CONSTRUCTION REVIEWER (CCR) ARE REQUIRED TO BE IN ATTENDANCE AT THE PRE-CONSTRUCTION MEETING; THE DESIGNER IS RECOMMENDED TO ATTEND.
3. NOTIFY MISS UTILITY OF DELMARVA (TELEPHONE 1-800-282-8555) AT LEAST 72 HOURS PRIOR TO START OF WORK. COORDINATE WITH THIRD PARTY UTILITY LOCATOR TO ENSURE ALL UNDERGROUND UTILITIES HAVE BEEN LOCATED IN THE FIELD.
4. ALL MATERIAL FROM DEMOLITION TO BE REMOVED FROM THE SITE (NOT IDENTIFIED FORREUSE) SHALL BE REMOVED AND DISPOSED OF AT A FACILITY LICENSED TO RECEIVE THE MATERIAL, IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS, AT THE CONTRACTOR'S EXPENSE.

PRE-CONSTRUCTION:

1. CLEAR AND GRUB AREAS NECESSARY FOR INSTALLATION OF PERIMETER CONTROLS.
2. DELINEATE THE LIMITS OF DISTURBANCE WITH EITHER ORANGE SAFETY FENCE, SURVEY STAKES OR PERIMETER CONTROLS AS APPLICABLE.
3. INSTALL PERIMETER CONTROLS (COMPOST FILTER LOG, INLET PROTECTION,ETC.)
4. CONSTRUCTION EQUIPMENT SHALL OPERATE ON EXISTING PAVED OR MILLINGS SURFACE OR ON COMPACTED GRADED AGGREGATE BASE COURSE, NO STABILIZED CONSTRUCTION ENTRANCE IS REQUIRED.
5. REQUEST A PERIMETER CONTROL INSPECTION VIA E-MAIL TO THE DNREC SEDIMENT AND STORMWATER PROGRAM. ALL PERIMETER CONTROLS ARE TO BE REVIEWED BY THE AGENCY CONSTRUCTION SITE REVIEWER AND APPROVED PRIOR TO PROCEEDING WITH FURTHER SITE DISTURBANCE OR CONSTRUCTION.
6. THE CONTRACTOR SHOULD AT ALL TIMES PROTECT AGAINST SEDIMENT OR DEBRIS LADEN RUNOFF OR WIND FROM LEAVING THE SITE. PERIMETER CONTROLS SHOULD BE CHECKED DAILY AND ADJUSTED AND/OR REPAIRED TO FULLY CONTAIN AND CONTROL SEDIMENTATION ON THE SITE. ACCUMULATED SEDIMENT SHOULD BE REMOVED WHEN IT HAS REACHED HALF OF THE EFFECTIVE CAPACITY OF THE CONTROL. IN ADDITION, THE CONTRACTOR MAY NEED TO ADJUST OR REPAIR MEASURES IN TIMES OF ADVERSE WEATHER CONDITIONS, OR AS DIRECTED BY THE AGENCY CONSTRUCTION SITE REVIEWER.
7. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING ALL REDLINE/REVISIONS TO THE APPROVED SEDIMENT AND STORMWATER MANAGEMENT PLANS TO THE APPROVING AUTHORITY PRIOR TO INITIATION IN THE FIELD.

CONSTRUCTION: (BASE BID)

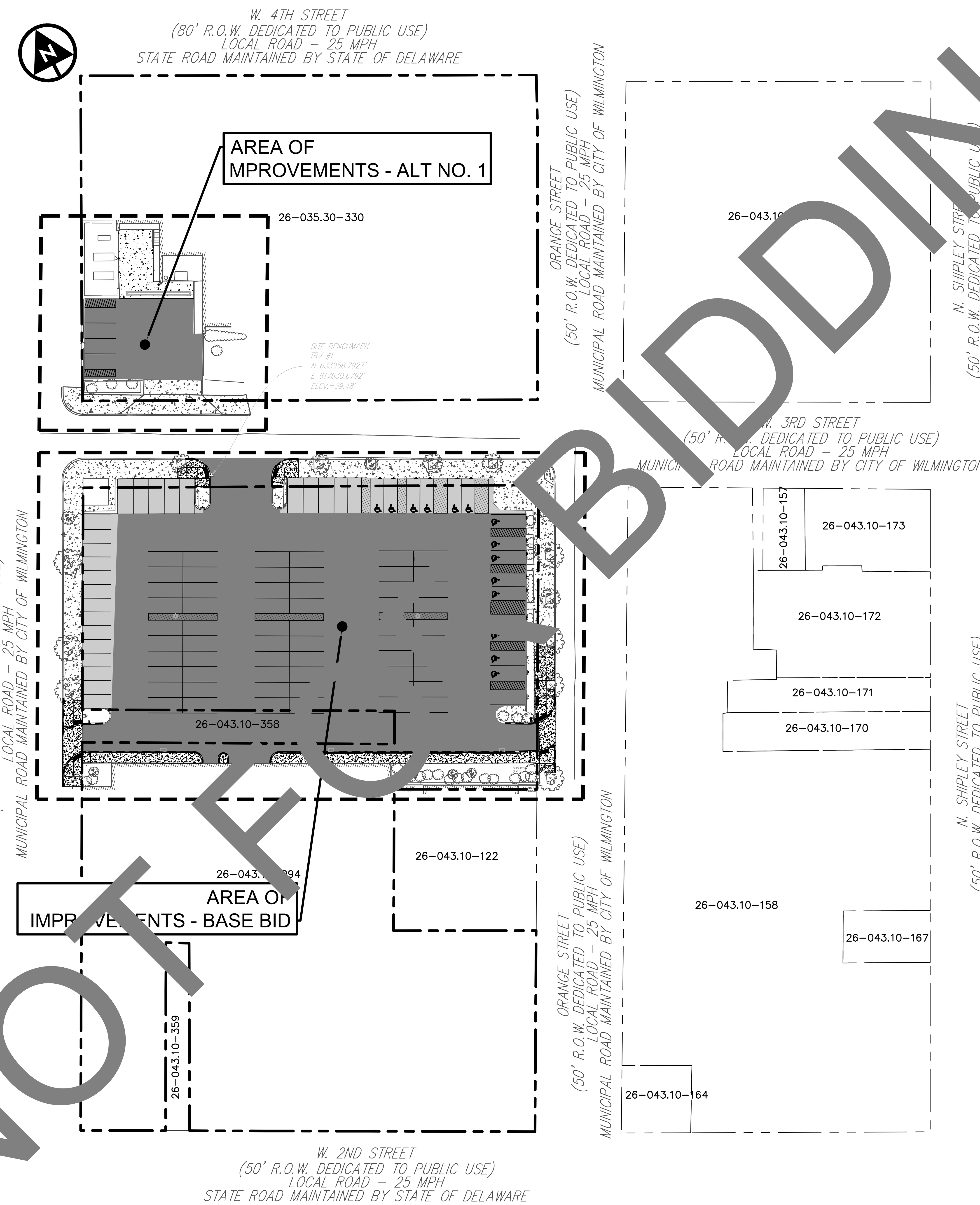
1. FOLLOWING APPROVAL OF THE PERIMETER CONTROL INSPECTION, CLEAR AND GRUB OVERALL AREA, NOT TO EXCEED 20 ACRES TO ANY COMMON DISCHARGE POINT.
2. STAGING AND MATERIALS STORAGE AREAS MAY NOT OCCUR IN AREAS THAT HAVE BEEN PERMANENTLY STABILIZED.
3. EXCAVATE EXISTING MILLINGS SURFACE, FULL DEPTH PAVING AREAS, CONCRETE ENTRANCE, SIDEWALKS, AND CURBS.
4. ALL MATERIAL FROM DEMOLITION TO BE REMOVED FROM THE SITE (NOT IDENTIFIED FOR REUSE) SHALL BE REMOVED AND DISPOSED OF AT A FACILITY LICENSED TO RECEIVE THE MATERIAL, IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS, AT THE CONTRACTORS EXPENSE.
5. PERFORM ROUGH GRADING TO NEW PAVEMENT SUBGRADE ACCORDING TO THE LINES AND GRADES SHOWN HEREON.
6. INSTALL COMPACTED GRADED AGGREGATE BASE COURSE.
7. PERFORM PAVING BASE COURSE.
8. INSTALL PCC ENTRANCE, CURB, AND SIDEWALK.
9. INSTALL FINAL WEARING COURSE OF PAVEMENT AND INSTALL ANY REMAINING SITE IMPROVEMENTS INCLUDING TRAFFIC CONTROL SIGNAGE, FENCING, AND PAVMEMENT MARKINGS.

CONSTRUCTION: (ALTERNATE # 1)

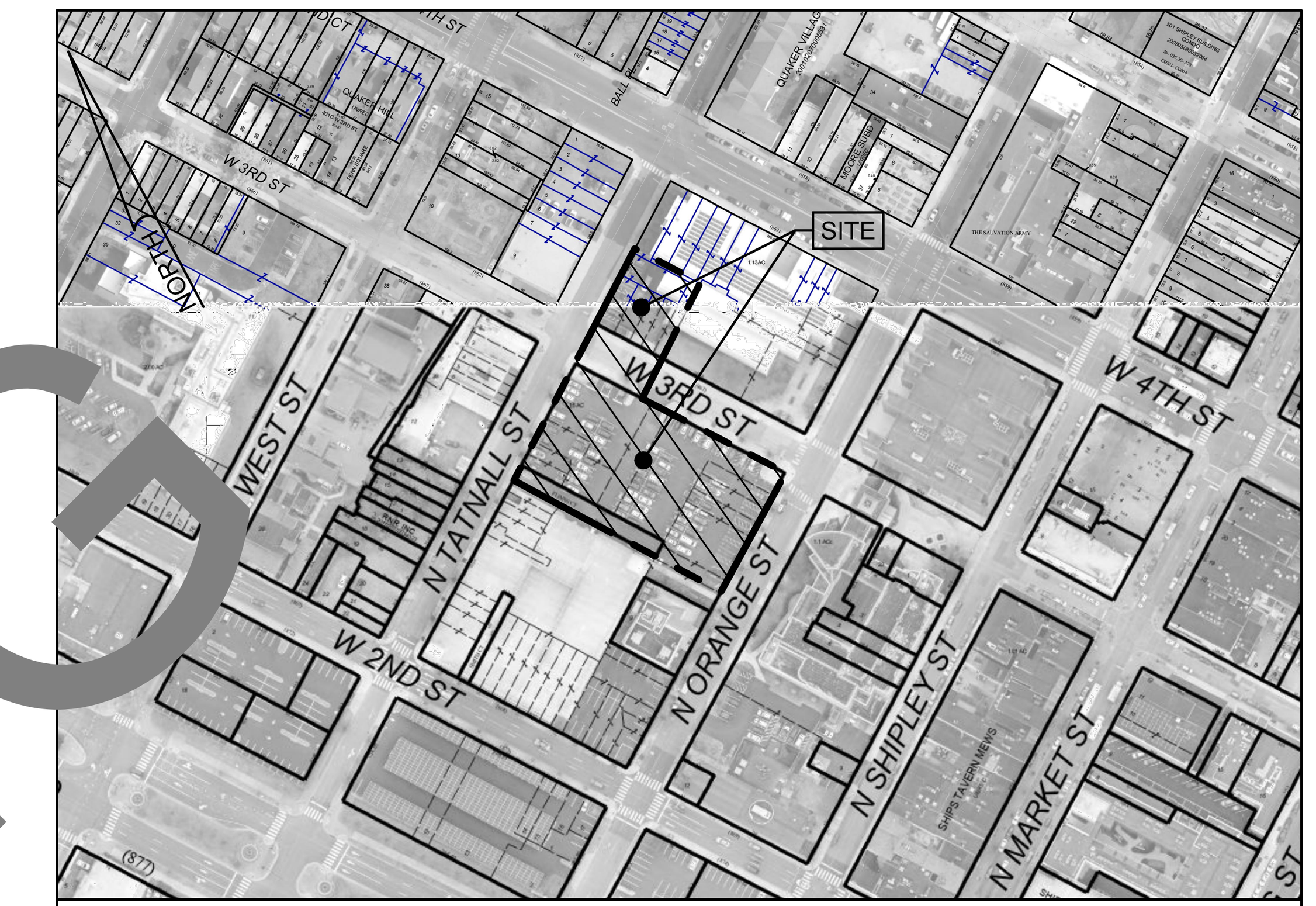
1. FOLLOWING APPROVAL OF THE PERIMETER CONTROL INSPECTION, CLEAR AND GRUB OVERALL AREA, NOT TO EXCEED 20 ACRES TO ANY COMMON DISCHARGE POINT.
2. STAGING AND MATERIALS STORAGE AREAS MAY NOT OCCUR IN AREAS THAT HAVE BEEN PERMANENTLY STABILIZED.
3. EXCAVATE EXISTING MILLINGS SURFACE AND FULL DEPTH PAVING AREAS.
4. ALL MATERIAL FROM DEMOLITION TO BE REMOVED FROM THE SITE (NOT IDENTIFIED FOR REUSE) S[illegible] REMOVED AND DISPOSED OF AT A FACILITY LICENSED TO RECEIVE THE MATERIAL, IN ACCORDANCE W[illegible] STATE AND LOCAL REGULATIONS, AT THE CONTRACTORS EXPENSE.
5. PERFORM ROUGH GRADING TO NEW PAVEMENT SUBGRADE ACCORDING TO THE LINES AND GRADES SHOW[illegible] HEREON.
6. INSTALL COMPACTED GRADED AGGREGATE BASE COURSE.
7. PERFORM PAVING BASE COURSE.
8. INSTALL CONCRETE PAD.
9. INSTALL FINAL WEARING COURSE OF PAVEMENT AND INSTALL ANY REMAINING SITE IMPROVEMENTS INCLUDING TRAFFIC CONTROL SIGNAGE, FENCING, AND PAVMEMENT MARKINGS.

CLOSE OUT

1. EROSION AND SEDIMENT CONTROL DEVICES TO BE REMOVED ONLY AFTER WORK IN AN AREA HAS BEEN COMPLETED AND VEGETATIVE STABILIZED, WITH WRITTEN APPROVAL FROM THE AGENCY CONSTRUCTION SITE REVIEWER.
2. THE TERMINATION OF THE CONSTRUCTION GENERAL PERMIT WILL REQUIRE SUBMISSION AND ACCEPTANCE OF THE POST CONSTRUCTION VERIFICATION DOCUMENTS, INCLUDING FINAL STABILIZATION THROUGHOUT THE SITE, ALL ELEMENTS OF THE SEDIMENT AND STORMWATER MANAGEMENT PLAN IMPLEMENTED, AND ACCEPTANCE OF THE FINAL OPERATION AND MAINTENANCE PLAN.



NOT FOR BIDDING



MAP: NCC ZONING MAPS 35 AND 40 — LOCATION MAP — SCALE: 1" = 200'

SITE DATA:

1. DNREC PROJECT:	2025-080
2. TAX PARCEL NUMBER:	26-043.10-094, 26-035.30-330
3. SITE ADDRESS:	300 N ORANGE STREET WILMINGTON, DE 19801
4. OWNER / DEVELOPER:	DELAWARE TECHNICAL AND COMMUNITY COLLEGE 400 STANTON-CHRISTIANA ROAD NEWARK, DE 19713-2111 PHONE: (302) 323-9461 MARK.DEVORE@DTCC.EDU
5. BENCHMARK	DESCRIPTION: TRV #1 ELEV = 39.48' N: 633958.7927' E: 617630.6792'
6. DATUM:	HORIZONTAL: DELAWARE STATE PLANE NAD 83 VERTICAL: NAVD 88
7. SOURCE OF TITLE:	DEED RECORD B115312
8. SITE AREA:	3.16 ACRES
9. LIMIT OF DISTURBANCE:	40,837 (0.94 ± ACRES)

GENERAL NOTES:

1. THE PURPOSE OF THIS PLAN IS TO MILL & OVERLAY PARKING LOT 1, REPAIR CURB AND SIDEWALKS, AND REPAIR THE LOADING DOCK AREA.
2. THE TOPOGRAPHY DEPICTED ON THIS PLAN ARE TAKEN FROM A FIELD SURVEY PREFORMED BY VERDANTAS, LLC CONDUCTED ON JUNE 16, 2025.
3. THE PROPERTY LINES DEPICTED ON THIS PLAN ARE TAKEN FROM NEW CASTLE COUNTY GIS MAPPING.
4. A REVIEW OF COUNTY RECORDS INDICATES THERE IS NO PREVIOUS RECORD PLAN FOR THE SITE.
5. A FEMA FLOODPLAIN DOES NOT EXIST ON THIS SITE, PER FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM), COMMUNITY PANEL NO. 10003C0156L, EFFECTIVE DATE JANUARY 22, 2020.
6. THERE ARE NO WETLANDS ON THE PARCEL AREAS PER THE NEW CASTLE COUNTY EPARCEL GIS MAPPING.
7. ACCORDING TO NEW CASTLE COUNTY WATER RESOURCE PROTECTION AREA MAP 1 OF 3, DATED 2022, THIS SITE DOES NOT LIE WITHIN A RECHARGE WATER PROTECTION AREA (WRPA).
8. ACCORDING TO DATA COMPILED BY DELAWARE DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL , DATED 2006, THE SITE DOES NOT LIE WITHIN A CRITICAL NATURAL AREA.
9. NO DEBRIS IS TO BE BURIED ON THIS SITE.
10. ALL CONSTRUCTION IMPROVEMENTS SHALL BE IN ACCORDANCE WITH CITY OF WILMINGTON STANDARDS OR DELDOT STANDARDS, AS APPLICABLE.
11. ALL GRADED SLOPES THAT ARE 3H:1V OR STEEPER SHALL BE LINED WITH THE APPROPRIATE STABILIZATION MATTING IN ACCORDANCE WITH STATE AND LOCAL GUILDELINES.
12. THE LIMIT OF DISTURBANCE FOR THE PROPOSED IMPROVEMENTS IS 0.94 ± ACRES (40,837 SF).

SHEET INDEX

CERTIFICATION OF OWNERSHIP

I, THE UNDERSIGNED, CERTIFY THAT ALL LAND CLEARING, CONSTRUCTION AND DEVELOPMENT SHOULD BE DONE PURSUANT TO THE APPROVED PLAN AND THAT RESPONSIBLE PERSONNEL (I.E. BLUE CARD HOLDER) INVOLVED IN THE LAND DISTURBANCE WILL HAVE A CERTIFICATION OF TRAINING PRIOR TO INITIATION OF THE PROJECT, AT A DNREC SPONSORED OR APPROVED TRAINING COURSE FOR THE CONTROL OF EROSION AND SEDIMENT DURING CONSTRUCTION. IN ADDITION, I GRANT THE DNREC SEDIMENT AND STORMWATER PROGRAM AND/OR THE RELEVANT DELEGATED AGENCY THE RIGHT TO CONDUCT ON-SITE REVIEWS.

2/5/26
DATE

MARK DEVORE
DELAWARE TECHNICAL & COMMUNITY COLLEGE

40 0 40 80
DRAWING SCALE 1" = 40'

verdantas
5400 LIMESTONE ROAD
WILMINGTON, DE 19808-1232
TEL. 302.239.6634

SHANE M. CHRISTIE, P.E.
SHANE M. CHRISTIE LICENSE No. 27046 DELAWARE PROFESSIONAL ENGINEER
02/05/2026
STATE: DELAWARE
PE # 27046

No.	REVISION	CHK'D BY DATE
1.	REVISED PER DNREC COMMENTS DATED 9/26/25	SMC 11/24/25
2.	REVISED PER DNREC COMMENTS DATED 12/5/25	SMC 12/10/25
3.	ISSUED FOR BID DATED 2/5/26	SMC 2/5/26
-		

DESIGNED BY: MAM
DRAWN BY: JAM
CHECKED BY: JJ
PROJECT NO.: 33614

CITY OF WILMIGTON ~ NEW CASTLE COUNTY~ DELAWARE
CONSTRUCTION PLAN
DELAWARE TECHNICAL & COMMUNITY COLLEGE - GEORGE CAMPUS
LOT NO. 1 IMPROVEMENTS
INDEX SHEET

DATE: SEPTEMBER 26, 2025
SCALE: 1" = 40'
SHEET: C-001

NOTE: TWO SETS OF PAVEMENT CORES AND SPT BORINGS WERE PERFORMED IN THE AREA OF THE BASE BID IMPROVEMENTS. IN GENERAL, THE SUBSURFACE CONDITIONS CONSISTED OF 3 TO 4 INCHES OF HOT MIX ASPHALT OVERLYING MEDIUM DENSE SILTY SAND TO A DEPTH OF APPROXIMATELY 2 FEET.

DRAWING SCALE 1" = 10'

LEGEND:

- RIGHT-OF-WAY LINE
- PROPERTY LINE
- ADJACENT PROPERTY LINE
- BENCHMARK
- CAPPED REBAR FOUND
- IRON PIPE FOUND
- BUILDING SETBACK LINE
- EX. FENCE POST
- EX. UTILITY VAULT
- EX. UTILITY MANHOLE
- EX. ELECTRIC STRUCTURE
- EX. TREE STUMP
- EX. BOLLARD
- EX. CONCRETE CURB
- EX. BUILDINGS
- EX. CONCRETE
- EX. GAS LINE
- EX. STORM DRAIN PIPE
- EX. UNDERGROUND ELECTRIC
- EX. WATER LINE
- EX. CATCH BASIN
- ASPHALT MILL AND OVERLAY
- FULL DEPTH ASPHALT REMOVAL
- CONCRETE REMOVAL
- CURB TO BE REMOVED

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CITY OF WILMIGTON ~ NEW CASTLE COUNTY~ DELAWARE

CONSTRUCTION PLAN

DELAWARE TECHNICAL & COMMUNITY COLLEGE - GEORGE CAMPUS

LOT NO. 1 IMPROVEMENTS

EXISTING CONDITIONS / DEMOLITION PLAN - BASE BID

DATE
SEPTEMBER 26, 2025

SCALE
1" = 10'

SHEET
C-100

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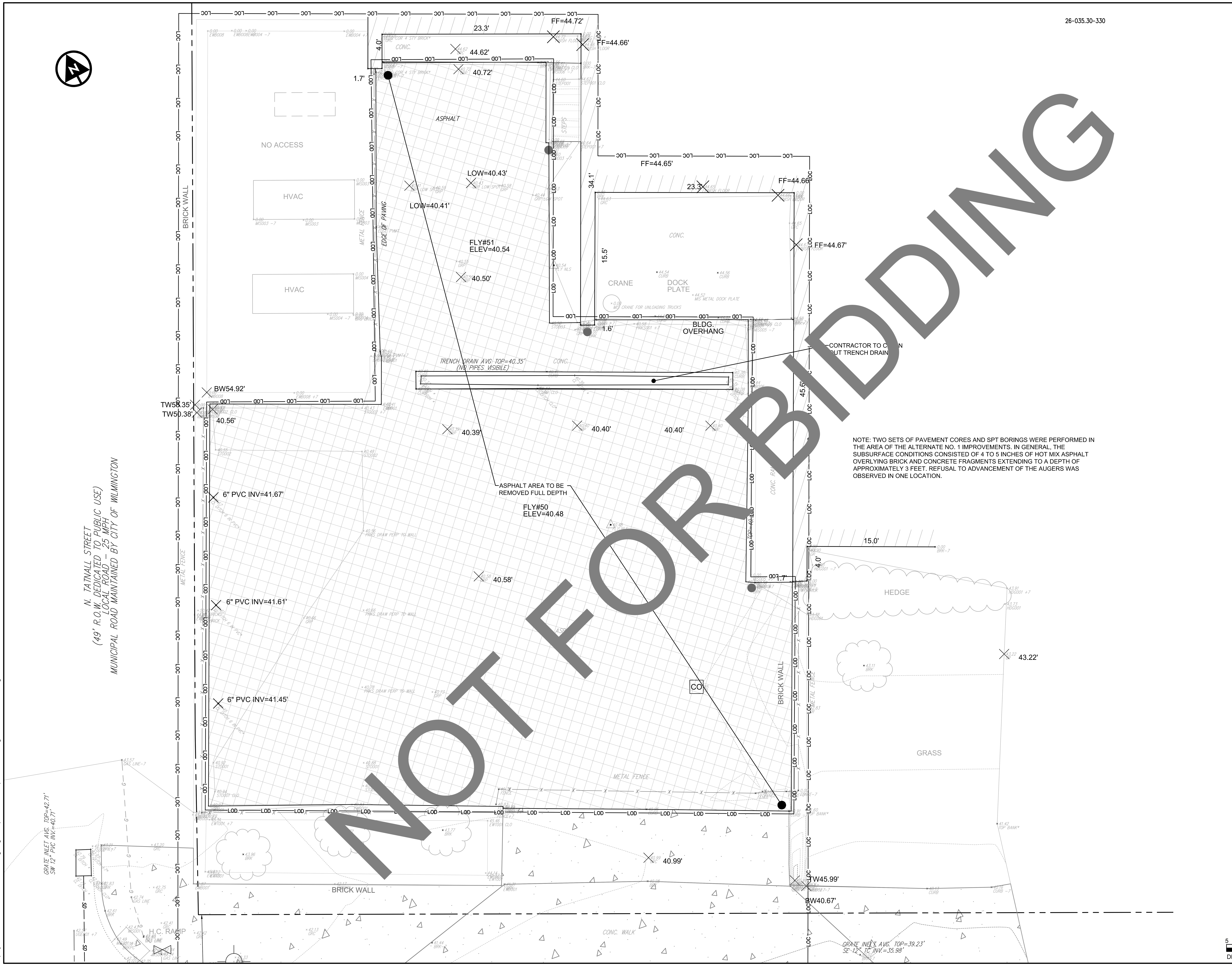

LEGEND:

- RIGHT-OF-WAY LINE
- PROPERTY LINE
- ADJACENT PROPERTY LINE
- CONC.MON.FND. — BENCHMARK
- CAPPED REBAR FND. — CAPPED REBAR FOUND
- I.P.FND. — IRON PIPE FOUND
- BUILDING SETBACK LINE
- EX. FENCE POST
- EX. UTILITY VAULT
- EX. UTILITY MANHOLE
- EX. ELECTRIC STRUCTURE
- EX. TREE STUMP
- EX. BOLLARD
- EX. CONCRETE CURB
- EX. BUILDINGS
- EX. CONCRETE
- G — EX. GAS LINE
- SD — EX. STORM DRAIN PIPE
- E — EX. UNDERGROUND ELECTRIC
- W — EX. WATER LINE
- EX. CATCH BASIN
- ASPHALT MILL AND OVERLAY
- FULL DEPTH ASPHALT REMOVAL
- CONCRETE REMOVAL
- CURB TO BE REMOVED

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CITY OF WILMINGTON ~ NEW CASTLE COUNTY~ DELAWARE

CONSTRUCTION PLAN

DELAWARE TECHNICAL & COMMUNITY COLLEGE - GEORGE CAMPUS

LOT NO. 1 IMPROVEMENTS

EXISTING CONDITIONS / DEMOLITION PLAN - ALTERNATE NO. 1

DATE: SEPTEMBER 26, 2025

SCALE: 1" = 5'

SHEET: C-101

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SIGN LEGEND

DESIGNATION	TYPE	SIZE
R3-8b	LEFT TURN ONLY SIGN	30" X 36"
R5-1	DO NOT ENTER SIGN	30" X 30"
R9-3bP	USE CROSSWALK SIGN	18" X 12"

LEGEND:

RIGHT-OF-WAY LINE
PROPERTY LINE
ADJACENT PROPERTY LINE
BENCHMARK
CAPPED REBAR FOUND
IRON PIPE FOUND
BUILDING SETBACK LINE
EX. FENCE POST
EX. UTILITY VAULT
EX. UTILITY MANHOLE
EX. ELECTRIC STRUCTURE
EX. TREE STUMP
EX. BOLLARD
EX. CONCRETE CURB
EX. BUILDINGS
EX. PAVEMENT ASPHALT
EX. GRAVEL
EX. UNDERDRAIN PIPE
EX. STORM DRAIN PIPE
EX. CATCH BASIN
PR. LIMIT OF DISTURBANCE
PR. LIMIT OF CONSTRUCTION
PR. CONCRETE
PR. MILL AND OVERLAY ASPHALT
PR. FULL DEPTH ASPHALT
PR. CURB
PR. DEPRESSED CURB

CONSTRUCTION NOTES:

1. PROPOSED CURB SHALL BE CONSTRUCTED IN ACCORDANCE WITH DELDOT STANDARD DETAIL C-1, LATEST VERSION.
2. PROPOSED CURB RAMP SHALL BE CONSTRUCTED IN ACCORDANCE WITH DELDOT STANDARD DETAIL C-S, LATEST VERSION.

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CITY OF WILMIGTON ~ NEW CASTLE COUNTY~ DELAWARE

CONSTRUCTION PLAN

DELAWARE TECHNICAL & COMMUNITY COLLEGE - GEORGE CAMPUS

LOT NO. 1 IMPROVEMENTS

SITE PLAN - BASE BID

DATE SEPTEMBER 26, 2025

SCALE 1" = 10'

SHEET C-200

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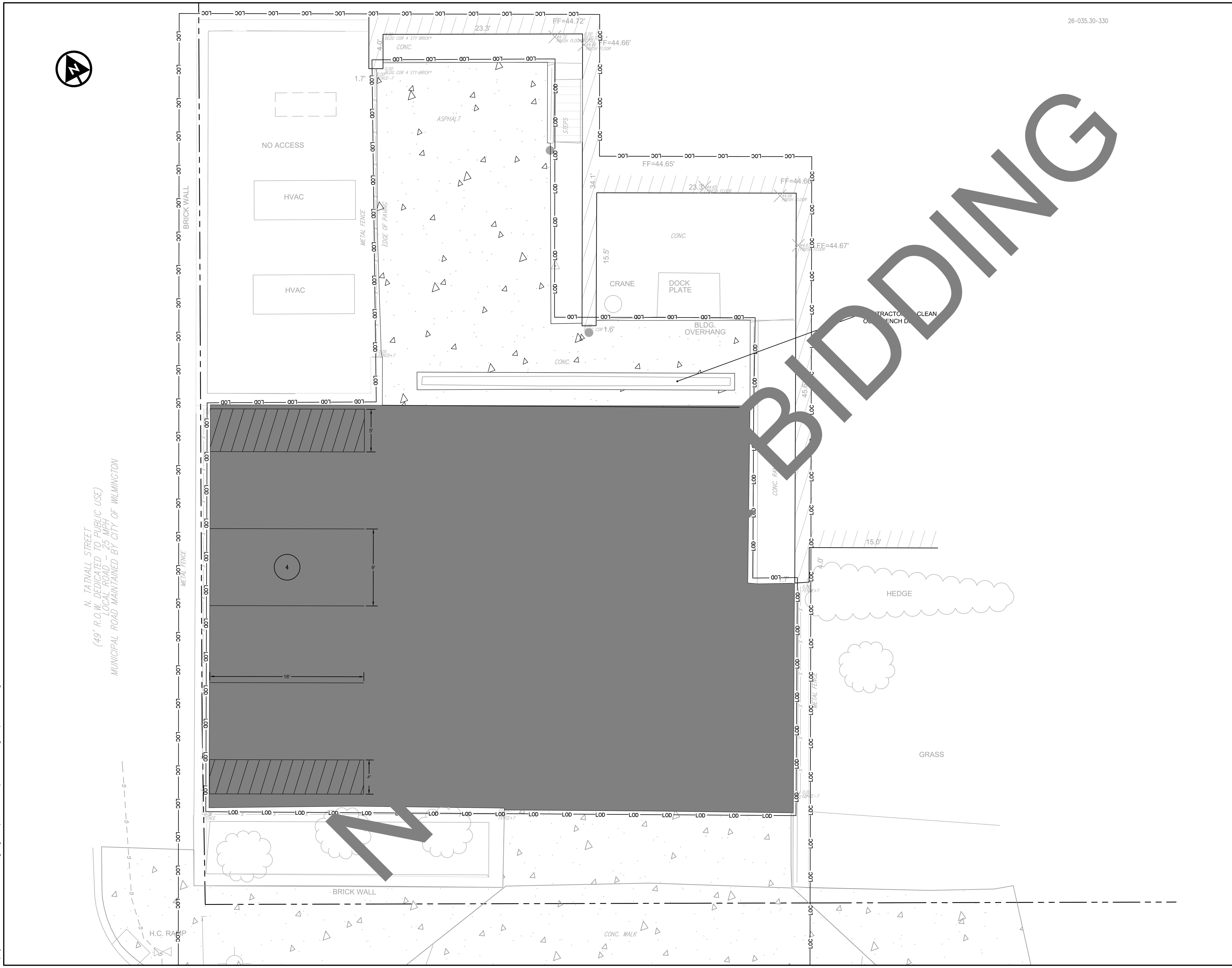

LEGEND:

- RIGHT-OF-WAY LINE
- PROPERTY LINE
- ADJACENT PROPERTY LINE
- TRV#1 BENCHMARK
- CAPPED REBAR FND. CAPPED REBAR FOUND
- I.P.FND. IRON PIPE FOUND
- BUILDING SETBACK LINE
- EX. FENCE POST
- EX. UTILITY VAULT
- EX. UTILITY MANHOLE
- EX. ELECTRIC STRUCTURE
- EX. TREE STUMP
- EX. BOLLARD
- EX. CONCRETE CURB
- EX. BUILDINGS
- EX. PAVEMENT ASPHALT
- EX. GRAVEL
- UD EX. UNDERDRAIN PIPE
- EX. STORM DRAIN PIPE
- EX. CATCH BASIN
- LOD PR. LIMIT OF DISTURBANCE
- LOC PR. LIMIT OF CONSTRUCTION
- PR. CONCRETE
- PR. MILL AND OVERLAY ASPHALT
- PR. FULL DEPTH ASPHALT
- PR. CURB
- PR. DEPRESSED CURB

5 0 5 10
DRAWING SCALE 1" = 5'

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CITY OF WILMINGTON ~ NEW CASTLE COUNTY~ DELAWARE

CONSTRUCTION PLAN

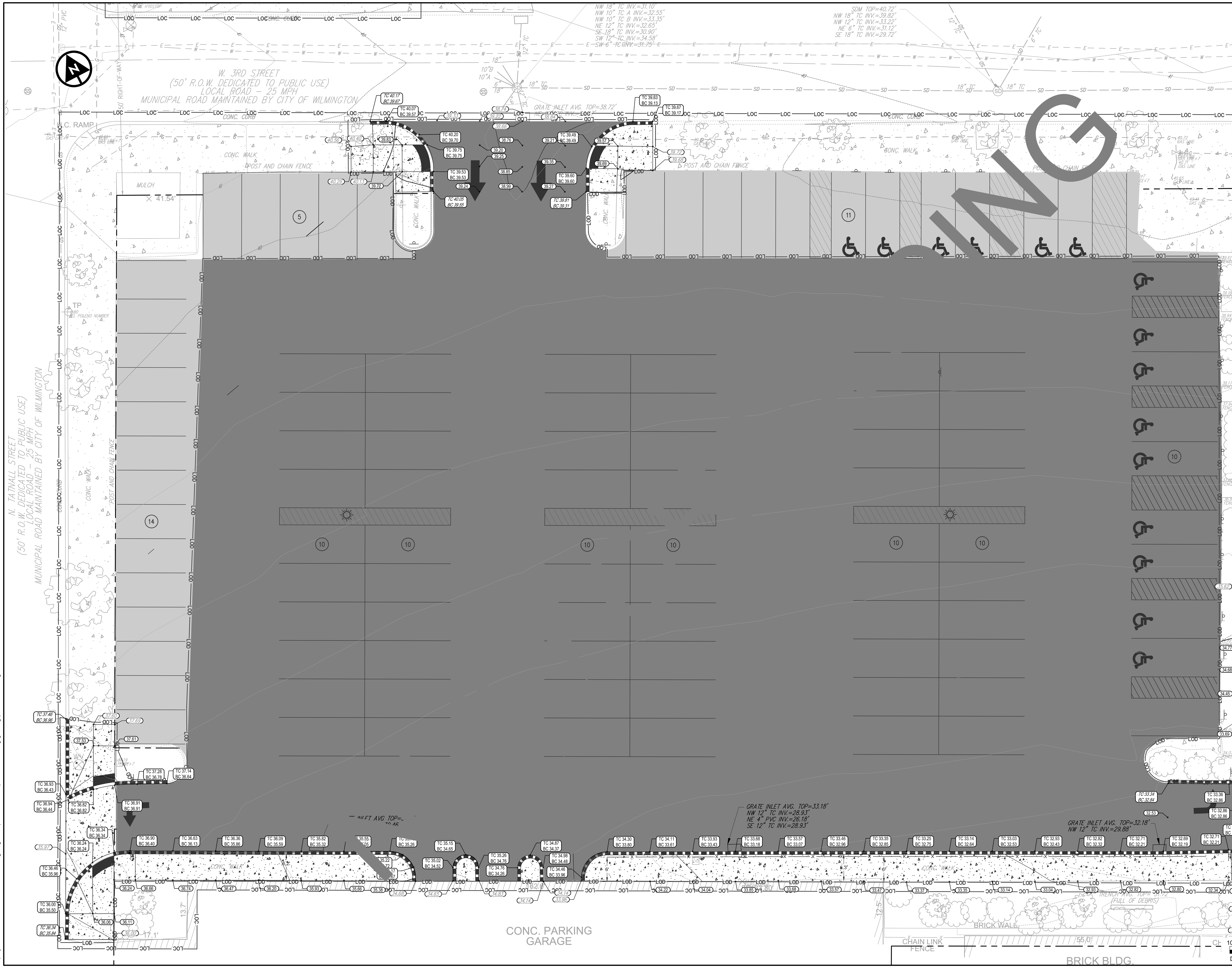
DELAWARE TECHNICAL & COMMUNITY COLLEGE - GEORGE CAMPUS

LOT NO. 1 IMPROVEMENTS
SITE PLAN - ALTERNATE NO. 1

DATE: SEPTEMBER 26, 2025

SCALE: 1" = 5'

SHEET: C-201



LEGEND:

- RIGHT-OF-WAY LINE
- PROPERTY LINE
- ADJACENT PROPERTY LINE
- BENCHMARK
- CAPPED REBAR FOUND
- IRON PIPE FOUND
- BUILDING SETBACK LINE
- EX. FENCE POST
- EX. UTILITY VAULT
- EX. UTILITY MANHOLE
- EX. ELECTRIC STRUCTURE
- EX. TREE STUMP
- EX. BOLLARD
- EX. CONCRETE CURB
- EX. BUILDINGS
- EX. CONCRETE
- EX. GRAVEL
- EX. UNDERDRAIN PIPE
- EX. STORM DRAIN PIPE
- EX. CATCH BASIN
- PR. LIMIT OF DISTURBANCE
- PR. LIMIT OF CONSTRUCTION
- PR. CONCRETE
- PR. MILL AND OVERLAY ASPHALT
- PR. FULL DEPTH ASPHALT
- PR. CURB
- PR. DEPRESSED CURB

NOTE: ALL SPOT GRADE ELEVATIONS SHOWN REFLECT THE BOTTOM OF CURB ELEVATION, UNLESS OTHERWISE NOTED.

verdantas
5400 LIMESTONE ROAD
WILMINGTON, DE 19808-1232
TEL. 302.239.6634

SHANE M. CHRISTIE, P.E.
SHANE M. CHRISTIE LICENSE No. 27046 DELAWARE PROFESSIONAL ENGINEER
02/05/2026
PE # 27046
STATE: DELAWARE

DESIGNED BY	DRAWN BY	CHECKED BY	PROJECT NO.
MAM	JAM	JJ	33614

No.	REVISION	CHK'D BY DATE
1.	REVISED PER DNREC COMMENTS DATED 9/26/25	SMC 11/24/25
2.	REVISED PER DNREC COMMENTS DATED 12/5/25	SMC 12/10/25
3.	ISSUED FOR BID DATED 2/5/26	SMC 2/5/26

CITY OF WILMIGTON ~ NEW CASTLE COUNTY~ DELAWARE

CONSTRUCTION PLAN

DELAWARE TECHNICAL & COMMUNITY COLLEGE - GEORGE CAMPUS

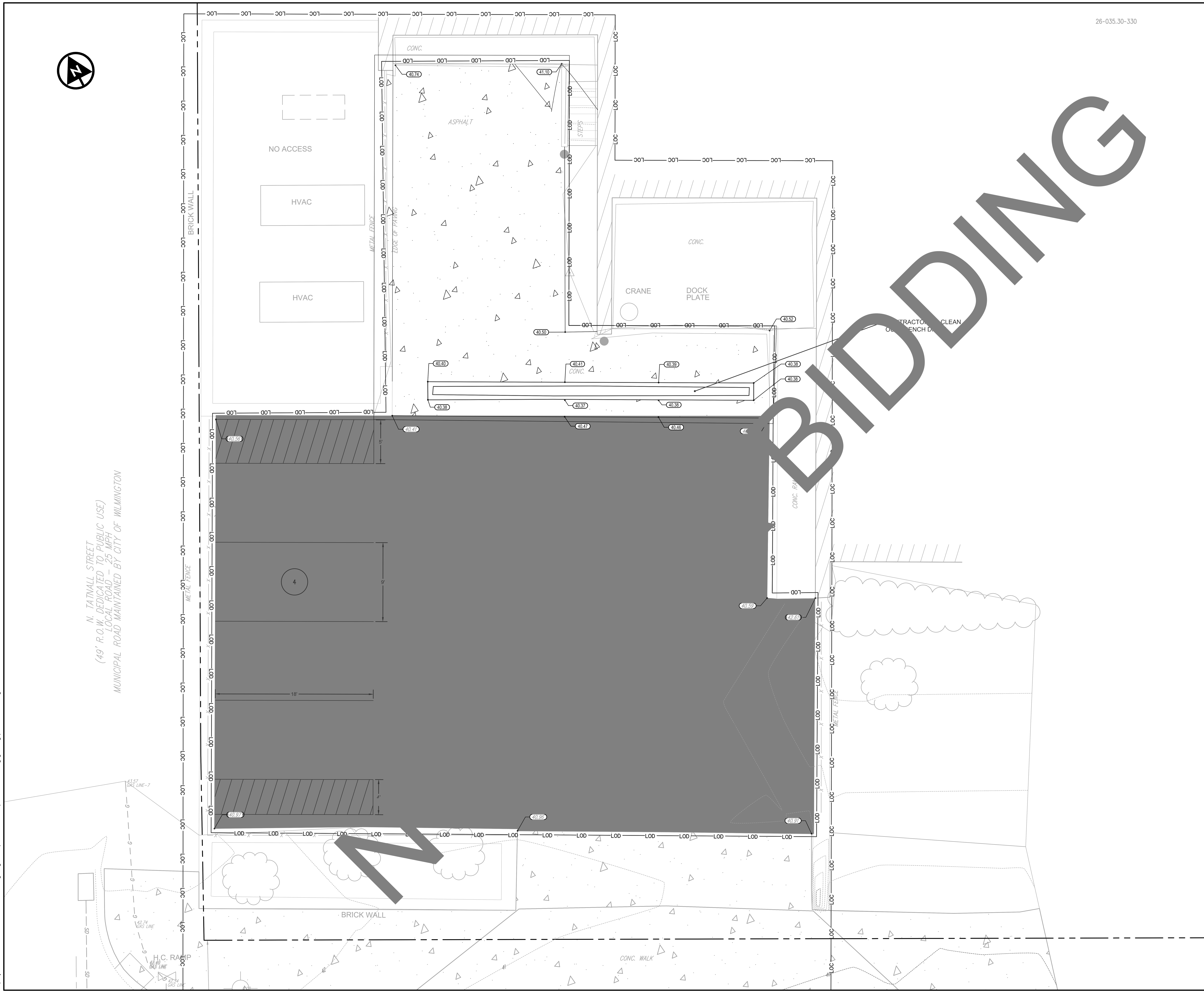
LOT 1 IMPROVEMENTS

GRADING PLAN - BASE BID

DATE SEPTEMBER 26, 2025

SCALE 1" = 10'

SHEET C-300



LEGEND:

- RIGHT-OF-WAY LINE
- PROPERTY LINE
- ADJACENT PROPERTY LINE
- TRV#1 — BENCHMARK
- CAPPED REBAR FND. — CAPPED REBAR FOUND
- I.P.FND. — IRON PIPE FOUND
- BUILDING SETBACK LINE
- EX. FENCE POST
- EX. UTILITY VAULT
- EX. UTILITY MANHOLE
- EX. ELECTRIC STRUCTURE
- EX. TREE STUMP
- EX. BOLLARD
- EX. CONCRETE CURB
- EX. BUILDINGS
- EX. CONCRETE
- EX. GRAVEL
- UD — EX. UNDERDRAIN PIPE
- EX. STORM DRAIN PIPE
- EX. CATCH BASIN
- LOD — PR. LIMIT OF DISTURBANCE
- LOC — PR. LIMIT OF CONSTRUCTION
- PR. CONCRETE
- PR. MILL AND OVERLAY ASPHALT
- PR. FULL DEPTH ASPHALT
- PR. CURB
- PR. DEPRESSED CURB

NOTES:
1. ALL SPOT GRADE ELEVATIONS SHOWN REFLECT THE BOTTOM OF CURB ELEVATION, UNLESS OTHERWISE NOTED.
2. CONTRACTOR SHALL MATCH EXISTING GRADES

DRAWING SCALE 1" = 5'

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02/05/2026
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3.	ISSUED FOR BID DATED 2/5/26	SMC	2/5/26
-			

CITY OF WILMINGTON ~ NEW CASTLE COUNTY~ DELAWARE

CONSTRUCTION PLAN

DELAWARE TECHNICAL & COMMUNITY COLLEGE - GEORGE CAMPUS

LOT 1 IMPROVEMENTS

GRADING PLAN - ALTERNATE NO. 1

DATE SEPTEMBER 26, 2025

SCALE 1" = 5'

SHEET C-301

W. 3RD STREET
(50' R.O.W. DEDICATED TO PUBLIC USE)
LOCAL ROAD – 25 MPH
MUNICIPAL ROAD MAINTAINED BY CITY OF WILMINGTON

N. TATNALL STREET
(50' R.O.W. DEDICATED TO PUBLIC USE)
LOCAL ROAD – 25 MPH
MUNICIPAL ROAD MAINTAINED BY CITY OF WILMINGTON

IP-2

GRATE INLET AVG. TOP=38.72'
NW 18" TC INV.=31.10'
NW 10" TC A INV.=32.55'
NW 10" TC B INV.=33.15'
NE 12" TC INV.=32.65'
SE 18" TC INV.=30.90'
SW 12" TC INV.=34.58'
SW 6" TC INV.=31.75'

SDM TOP=40.72'
NW 18" TC INV.=39.82'
NW 12" TC INV.=33.22'
NE 6" TC INV.=31.12'
SE 18" TC INV.=29.72'

DUMPSTER LOCATION FOR THE DISPOSAL OF EXCAVATED MATERIAL AS NEEDED (TO BE COORDINATED WITH THE CONTRACTOR)

CONCRETE WASHOUT MUST BE PREFABRICATED

CW

CMO

IP-3

IP-3

IP-3

CONC. PARKING GARAGE

BRICK WALL

CHAIN LINK FENCE

BRICK BLDG.

DRAWING SCALE 1" = 10'

LEGEND:

- RIGHT-OF-WAY LINE
- PROPERTY LINE
- ADJACENT PROPERTY LINE
- TRV#1 — BENCHMARK
- CAPPED REBAR FND. — CAPPED REBAR FOUND
- I.P.FND. — IRON PIPE FOUND
- BUILDING SETBACK LINE
- EX. FENCE POST
- EX. UTILITY VAULT
- EX. UTILITY MANHOLE
- EX. ELECTRIC STRUCTURE
- EX. TREE STUMP
- EX. BOLLARD
- EX. CONCRETE CURB
- EX. BUILDINGS
- EX. CONCRETE
- EX. GRAVEL
- UD — EX. UNDERDRAIN PIPE
- SD — EX. STORM DRAIN PIPE
- EX. CATCH BASIN
- LOD — PR. LIMIT OF DISTURBANCE
- LOC — PR. LIMIT OF CONSTRUCTION
- PR. CONCRETE
- PR. MILL AND OVERLAY ASPHALT
- PR. FULL DEPTH ASPHALT
- PR. CURB
- PR. DEPRESSED CURB
- CFL — COMPOST FILTER LOG
- SAP — SENSITIVE AREA PROTECTION FENCING
- IP-2 — INLET PROTECTION TYPE 2
- IP-3 — INLET PROTECTION TYPE 3
- CW — CONCRETE WASHOUT
- CMO — CONCRETE MIXING OPERATION

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SHANE M. CHRISTIE, P.E. — STATE: DELAWARE — PE # 27046

SHANE M. CHRISTIE LICENSE No. 27046 DELAWARE PROFESSIONAL ENGINEER

02/05/2026

No.	REVISION	CH'KD BY DATE
1.	REVISED PER DNREC COMMENTS DATED 9/26/25	SMC 11/24/25
2.	REVISED PER DNREC COMMENTS ISSUED FOR BID DATED 2/5/26	SMC 12/31/25 2/5/26
3.		

DESIGNED BY: MAM
DRAWN BY: JAM
CHECKED BY: JJ
PROJECT NO.: 33614

CITY OF WILMIGTON ~ NEW CASTLE COUNTY~ DELAWARE

CONSTRUCTION PLAN

DELAWARE TECHNICAL & COMMUNITY COLLEGE - GEORGE CAMPUS

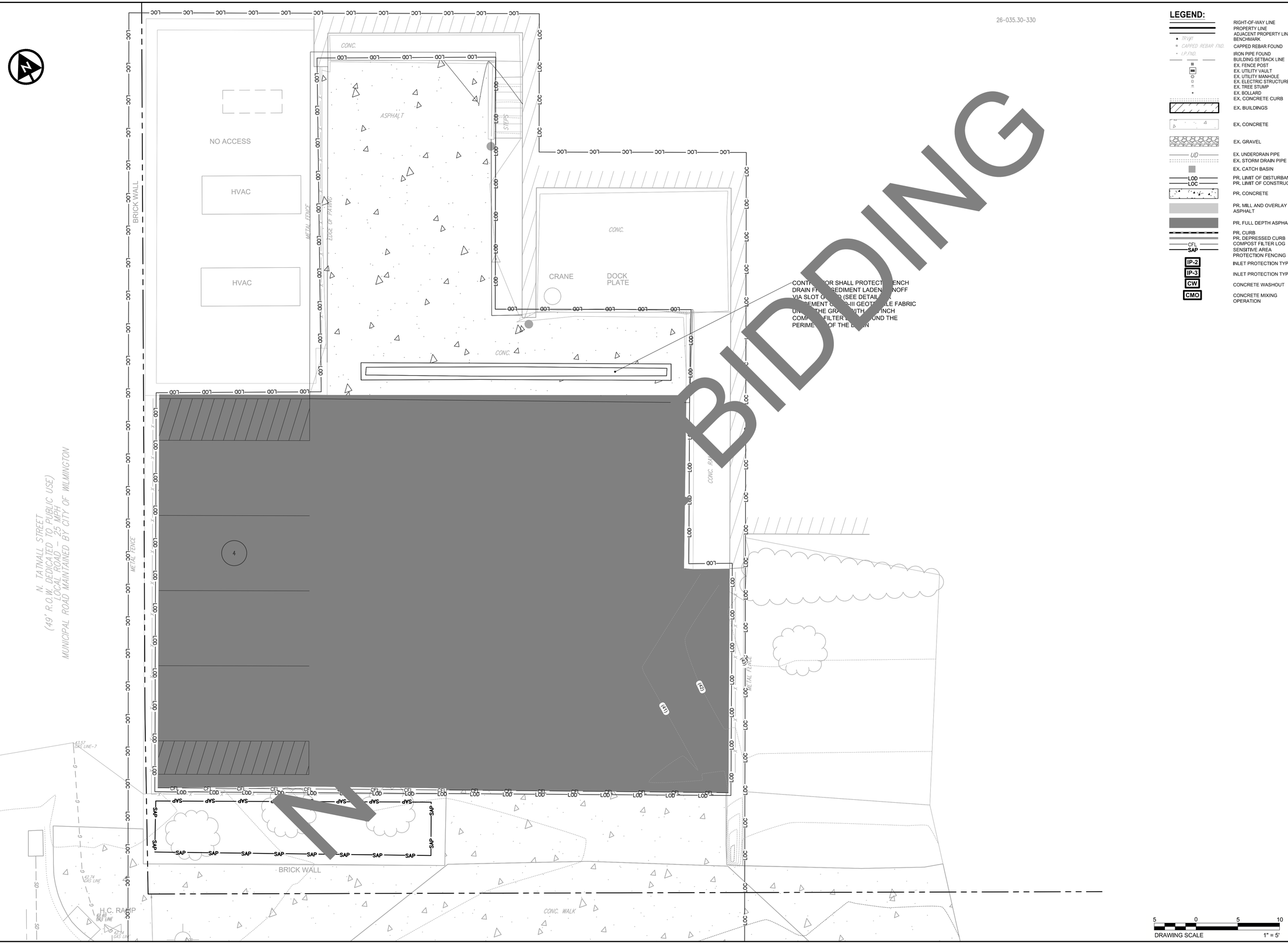
LOT NO. 1 IMPROVEMENTS

EROSION AND SEDIMENT CONTROL PLAN - BASE BID

DATE: SEPTEMBER 26, 2025

SCALE: 1" = 10'

SHEET: C-400



LEGEND:

- RIGHT-OF-WAY LINE
- PROPERTY LINE
- ADJACENT PROPERTY LINE
- TP1@T — BENCHMARK
- CAPPED REBAR FND. — CAPPED REBAR FOUND
- I.P. FND. — IRON PIPE FOUND
- BUILDING SETBACK LINE
- EX. FENCE POST
- EX. UTILITY VAULT
- EX. UTILITY MANHOLE
- EX. ELECTRIC STRUCTURE
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- UD — EX. UNDERDRAIN PIPE
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- PR. MILL AND OVERLAY ASPHALT
- PR. FULL DEPTH ASPHALT
- PR. CURB
- PR. DEPRESSED CURB
- CFL — COMPOST FILTER LOG
- SAP — SENSITIVE AREA PROTECTION FENCING
- IP-2 — INLET PROTECTION TYPE 2
- IP-3 — INLET PROTECTION TYPE 3
- CW — CONCRETE WASHOUT
- CMO — CONCRETE MIXING OPERATION

verdantas
5400 LIMESTONE ROAD
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SHANE M. CHRISTIE, P.E. — STATE: DELAWARE — PE # 27046

SHANE M. CHRISTIE LICENSE No. 27046 DELAWARE PROFESSIONAL ENGINEER

02/05/2026

No.	REVISION	CH'K'D BY DATE	DESIGNED BY	DRAWN BY	CHECKED BY	PROJECT NO.
1.	REVISED PER DNREC COMMENTS DATED 9/26/25	SMC 11/24/25	MAM	JAM	JJ	33814
2.	REVISED PER DNREC COMMENTS DATED 12/5/25	SMC 12/17/25				
3.	ISSUED FOR BID DATED 2/5/26	SMC 2/5/26				
-						

CITY OF WILMIGTON ~ NEW CASTLE COUNTY~ DELAWARE

CONSTRUCTION PLAN

DELAWARE TECHNICAL & COMMUNITY COLLEGE - GEORGE CAMPUS LOT NO. 1 IMPROVEMENTS EROSION AND SEDIMENT CONTROL PLAN ALTERNATE NO. 1

DATE: SEPTEMBER 26, 2025

SCALE: 1" = 5'

SHEET: C-401

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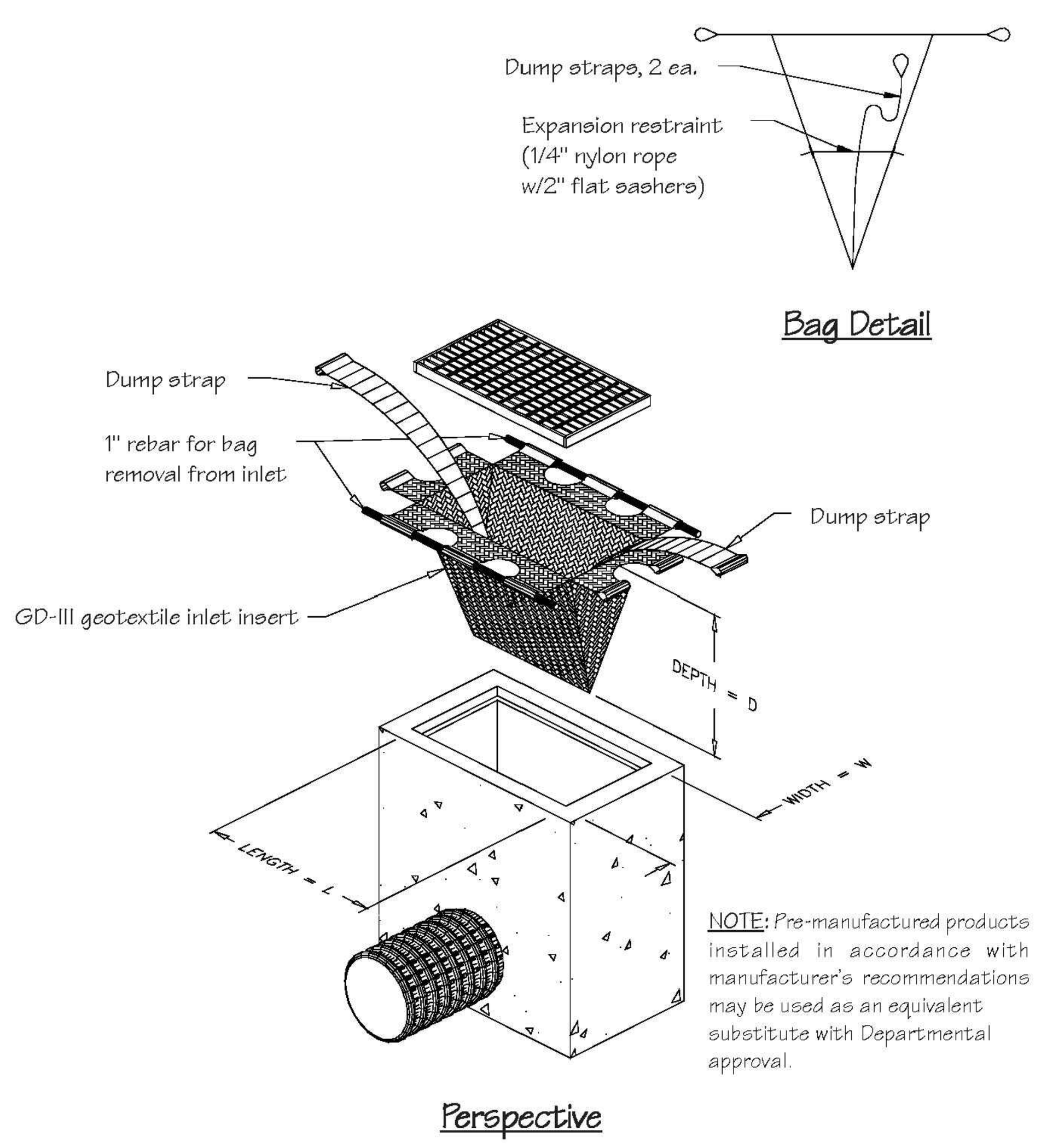
Standard Detail & Specifications

Inlet Protection - Type 2



Source:	Symbol:	Detail No.
Adapted from ACF Products, Inc.	IP-2	DE-ESC-3.1.5.2 Sheet 1 of 2 Effective July 2023

Standard Detail & Specifications

Inlet Protection - Type 2

Notes:

1. This practice shall only be used in situations in which Inlet Protection - Type 1 cannot be used due to site constraints. These include, but are not limited to partially completed parking areas, streets, roads, etc.
2. It may be necessary to transition from Type 1 to Type 2 Inlet Protection as construction proceeds.
3. For areas where there is a concern for oil run-off or spills, insert shall meet one of the above specifications with an oil-absorbant pillow or shall be made completely from an oil-absorbant material with a woven pillow.

Materials:

The geotextile inlet insert shall meet or exceed the specifications of Type GD-III geotextile in accordance with Appendix A-3 of the Delaware Erosion & Sediment Control Handbook.

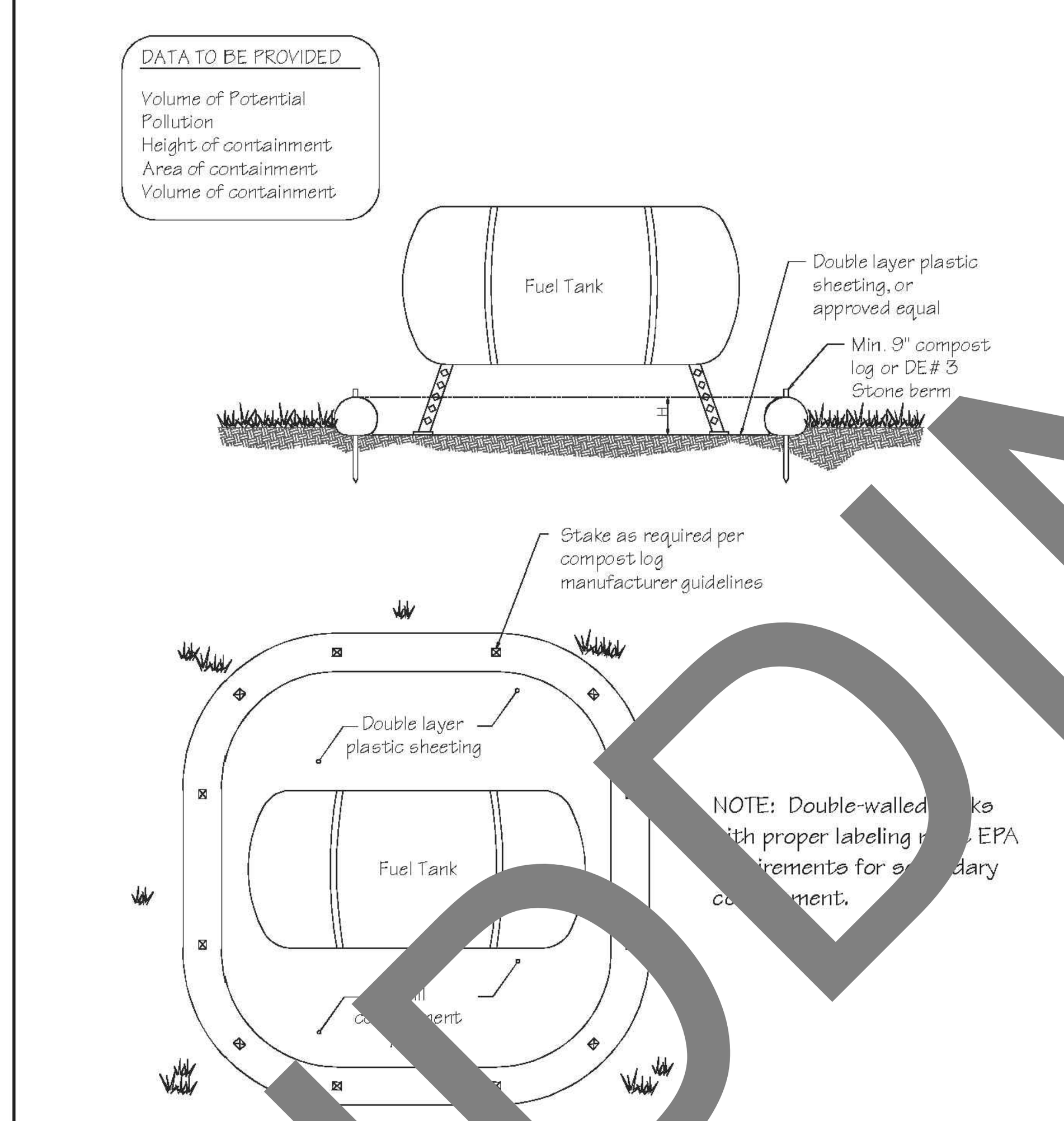
Source:	Symbol:	Detail No.
Adapted from ACF Products, Inc.	IP-2	DE-ESC-3.1.5.2 Sheet 2 of 2 Effective July 2023

DETAIL: INLET PROTECTION - TYPE 2

SCALE: NOT TO SCALE

Standard Detail & Specifications

Fueling & Spill Control



Source:	Symbol:	Detail No.
Delaware ESC Handbook		DE-ESC-3.6.4 Sheet 1 of 2 Effective July 2023

Standard Detail & Specifications

Fueling & Spill Control

Pollution Prevention – Fueling & Spill Control

1. Fueling should only take place in signed designated areas, away from downstream drainage facilities and watercourses.
2. Fuel must be with nozzles equipped with automatic shut-off to control drips. Do not top off.
3. Protect the areas where equipment or vehicles are being repaired, maintained, fueled or parked from storm water run-on and runoff.
4. Use barriers such as berms to prevent storm water run-on and runoff, and to contain spills.
5. Place a "Fueling Area" sign next to each fueling area.
6. Store hazardous materials such as fuel, solvents, oil and chemicals in secondary containment.
7. Inspect vehicles and equipment for leaks on each day of use. Repair fluid and oil leaks immediately.
8. Absorbent spill clean-up materials and spill kits must be available in fueling areas and on fuel trucks.
9. If fueling is to take place at night, make sure the fueling area is sufficiently illuminated.
10. Properly dispose of used oil, fluids, lubricants and spill clean-up materials.

CLEAN UP SPILLS

1. If it is safe to do so, immediately contain and clean up any chemical and/or hazardous material spills.
2. Properly dispose of used oil, fluids, lubricants and spill clean-up materials.
3. Do not bury spills or wash them down with water.

LEAKS AND DRIPS

1. Use drip pans or absorbent pads at all times. Place under and around leaky equipment.
2. Do not allow oil, grease, fuel or chemicals to drip onto the ground.
3. Have spill kits and clean up material on-site.
4. Repair leaky equipment promptly or remove problem vehicles and equipment from the site. Clean up contaminated soil immediately.
5. Store contaminated waste in sealed containers constructed of suitable material. Label these containers properly.
6. Clean up all spills and leaks. Promptly dispose of waste and spent clean up materials.

Source:	Symbol:	Detail No.
Delaware ESC Handbook		DE-ESC-3.6.4 Sheet 2 of 2 Effective July 2023

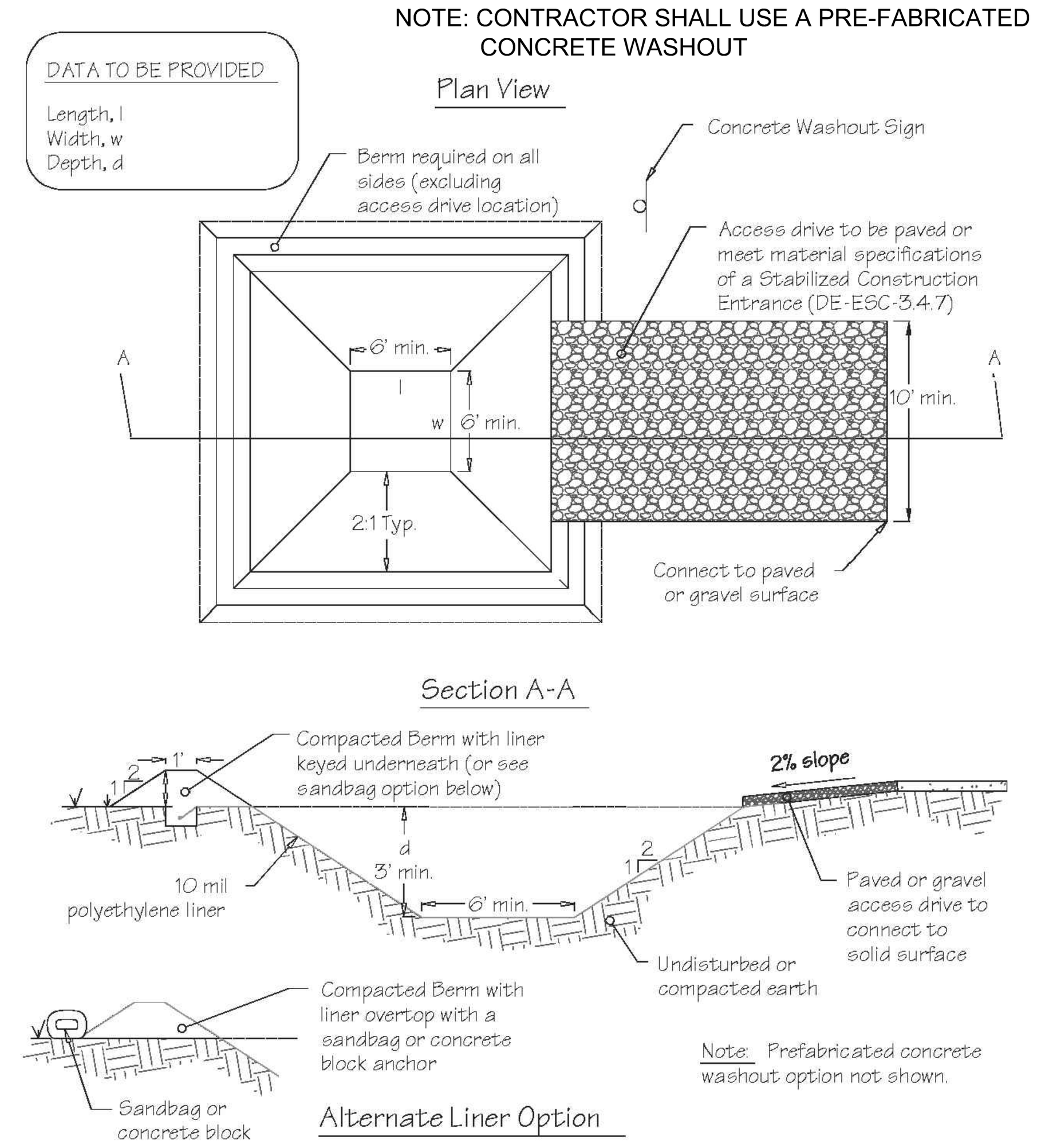
DETAIL: FUELING & SPILL CONTROL

SCALE: NOT TO SCALE

Standard Detail & Specifications

Concrete Washout

NOTE: CONTRACTOR SHALL USE A PRE-FABRICATED CONCRETE WASHOUT



Source:	Symbol:	Detail No.
Adapted from Colorado Urban Storm Drainage Criteria Manual, Vol 3	CW	DE-ESC-3.6.2 Sheet 1 of 2 Effective July 2023

Standard Detail & Specifications

Concrete Washout

Construction Notes:

1. Locate washout area a minimum of 50 feet from open channels, stormdrain inlets, wetlands or waterbodies.
2. Locate washout area so that it is accessible to concrete equipment (service with a minimum 10 foot wide gravel or paved accessway), but so it is not in a highly active construction area causing accidental damage.
3. Minimum dimensions for prefabricated units are 4 feet by 4 feet by 1 foot deep with a minimum 4mil polyethylene plastic liner. Minimum dimensions for constructed concrete washout areas are 6 feet by 6 feet by 3 feet deep, with a minimum 10mil polyethylene liner, 2:1 side slopes, and a 1 foot high by 1 foot wide compacted earth berm.
4. The liner must be free of tears or holes and placed over smooth surfaces to prevent puncturing. For excavated washouts, anchor the liner underneath the berm or overtop with sandbags or concrete blocks to hold in place.
5. Provide a sign designating the washout area, and on large construction sites, provide signs throughout the site designating its location.
6. Allow washed out concrete materials to harden through evaporation of the wastewater. Once the facility has reached 75 percent of its capacity, remove the hardened concrete by reusing the broken aggregate onsite, recycling or disposing of offsite. The hardened material can be buried on site with minimum of 1 foot of clean, compacted fill.
7. Apply a new liner before reusing the station for additional washouts after maintenance has occurred.

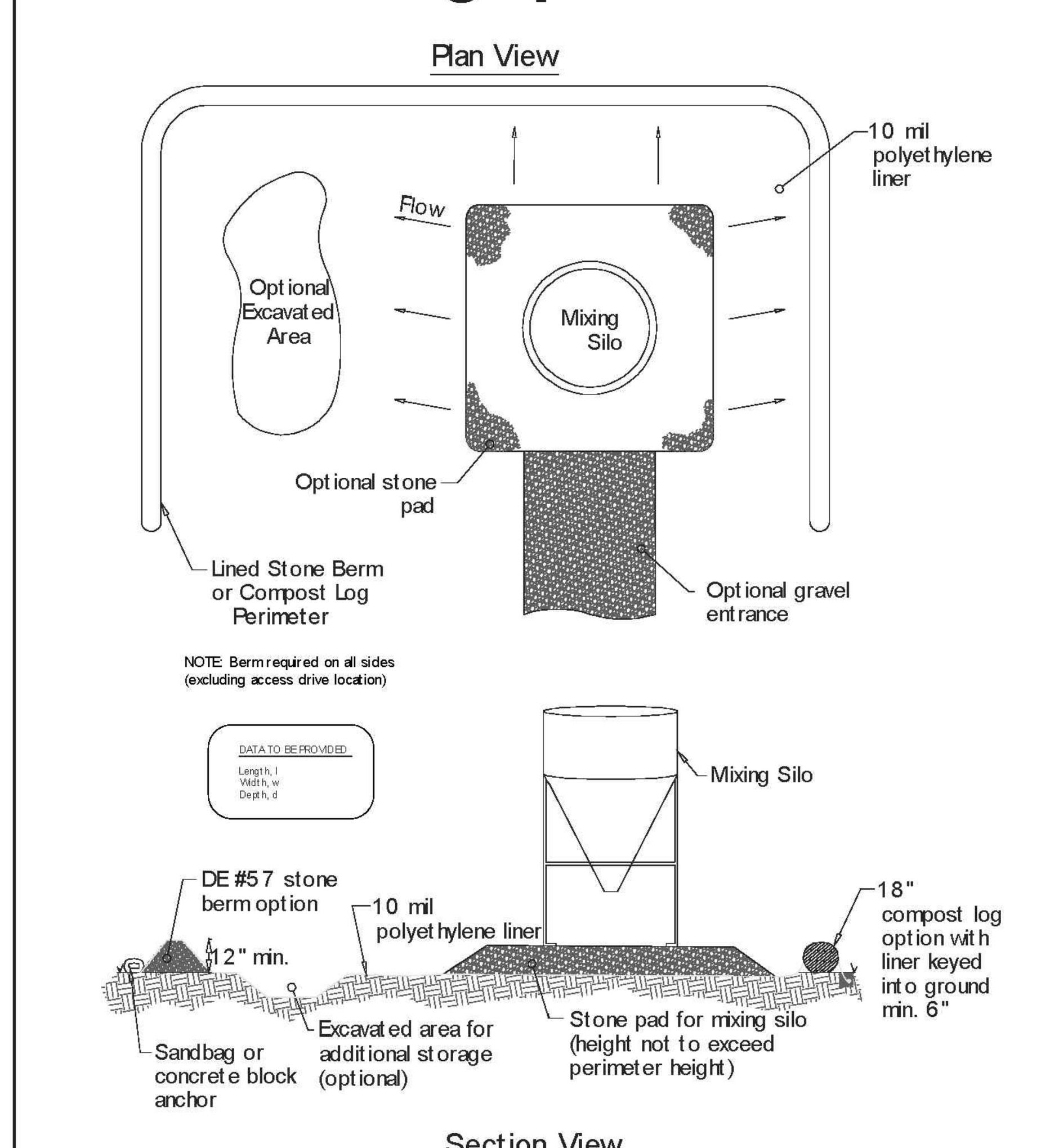
Source:	Symbol:	Detail No.
Adapted from Colorado Urban Storm Drainage Criteria Manual, Vol 3	CW	DE-ESC-3.6.2 Sheet 2 of 2 Effective July 2023

DETAIL: CONCRETE WASHOUT

SCALE: NOT TO SCALE

Standard Detail & Specifications

Concrete Mixing Operation



Source:	Symbol:	Detail No.
Adapted from MN/DOT Concrete Manual, Chap. 4	CMO	DE-ESC-3.6.3 Sheet 1 of 2 Effective July 2023

Standard Detail & Specifications

Concrete Mixing Operation

Construction Notes:

1. Locate concrete mixing and containment area a minimum of 50 feet from open channels, stormdrain inlets, wetlands or waterbodies.
2. Locate concrete mixing and containment area so that it is accessible to telescopic lifts (service with a minimum 10 foot wide gravel or paved accessway), but so it is not in a highly active construction area causing accidental damage.
3. Minimum volume for installed containment areas are 3.5 cubic feet per cubic foot of mixing capacity. The installed containment area must encompass the storage silo and mixing unit, and be surround on three sides minimum by a 12" high stone berm (DE #57) or 18" compost log
4. The 10-mil poly liner must be free of tears or holes and placed over smooth surfaces to prevent puncturing. The liner shall cover the perimeter control and be secured on the backside using cement or sandbags, or keyed into the ground a minimum of 6".
5. Allow cementitious waste to harden through evaporation of the wastewater. Once the facility has reached 75 percent of its capacity, remove the hardened concrete by reusing the broken aggregate onsite, recycling, or disposing of offsite. The hardened material can be buried on site with minimum of 1 foot of clean, compacted fill.
6. Apply a new liner before reusing the station for additional mixing after maintenance has occurred.

Source:	Symbol:	Detail No.
Adapted from MN/DOT Concrete Manual, Chap. 4	CMO	DE-ESC-3.6.3 Sheet 2 of 2 Effective July 2023

DETAIL: CONCRETE MIXING OPERATION

SCALE: NOT TO SCALE

verdantas

SHANE M. CHRISTIE, P.E.
SHANE M. CHRISTIE LICENSE No. 27046 DELAWARE PROFESSIONAL ENGINEER
02/05/2026
PE # 27046
STATE: DELAWARE

DESIGNED BY	DRAWN BY	CHECKED BY	PROJECT NO.
MAM	JAM	JJ	33614

No.	REVISION	DATE	CHK'D BY
1.	REVISED PER DNREC COMMENTS DATED 9/26/25	11/24/25	SMC
2.	REVISED PER DNREC COMMENTS DATED 12/5/25	12/18/25	SMC
3.	ISSUED FOR BID DATED 2/5/26	2/5/26	SMC
-			

CITY OF WILMINGTON ~ NEW CASTLE COUNTY ~ DELAWARE

CONSTRUCTION PLAN

DELAWARE TECHNICAL & COMMUNITY COLLEGE - GEORGE CAMPUS

LOT NO. 1 IMPROVEMENTS

EROSION AND SEDIMENT CONTROL PLAN ALTERNATE NO. 1

DATE
SEPTEMBER 26, 2025

SCALE
#######

SHEET
C-402

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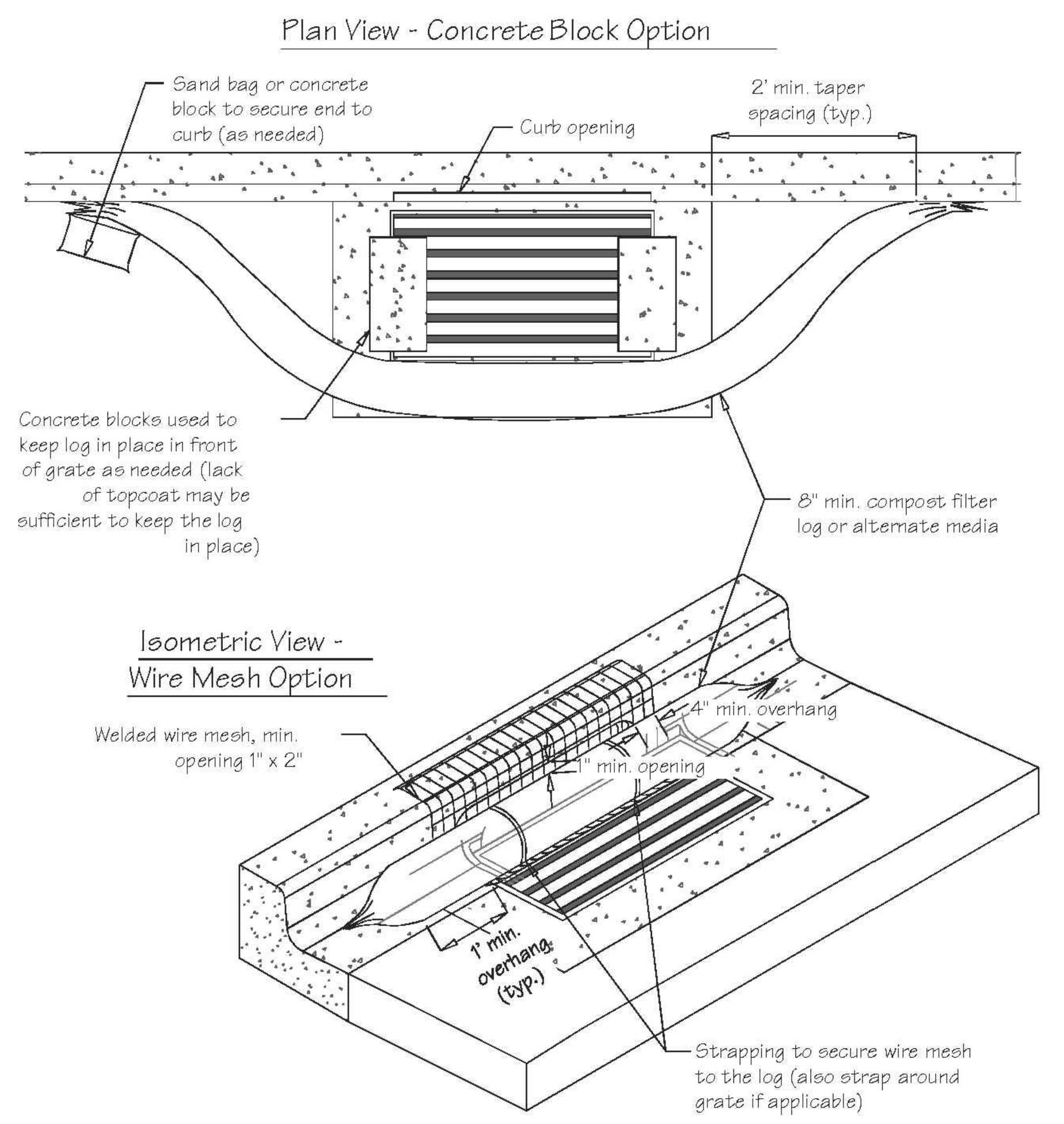
Standard Detail & Specifications
Inlet Protection - Type 3



Source:	Symbol:	Detail No.
Adapted from Filtrexx™ International	IP-3	DE-ESC-3.1.5.3 Sheet 1 of 3 Effective July 2023

Standard Detail & Specifications
Inlet Protection - Type 3

Notes:

1. This practice shall only be used in situations in which Inlet Protection – Type 1 cannot be used due to site constraints. These include, but are not limited to partially complete parking areas, streets, roads, etc., having a throat or curb opening. It should be used in conjunction with Type 2 Inlet Protection when a grate is also present.
2. The filter log sock fabric shall be high durability netting material to resist puncture and wear in the traffic areas. If compost media is used to fill the sock it must meet the Standards and Specifications for Compost Material in the Appendix, except that the maximum pass through for a 3/8" screen shall be 20% to allow for higher flow through. Additives, such as soluble phosphorus and petroleum hydrocarbons, can be mixed with the compost media to aid in pollutant removal, if desired. Reference the Compost Filter Log design guidelines for additional requirements on the high durability netting material, compost media, and sock filling and installation procedures. Reference the design alternatives below for additional log media options.
3. The maximum contributing drainage area shall be 3 acres, or as recommended by the manufacturer. 8" diameter socks shall be used for standard roadway applications. If in a highly disturbed area, the Engineer or Site Reviewer may opt for larger socks, either 12" or 18" depending on the need. (If used as a replacement for Type 1 Inlet Protection with special approval, minimum 12" diameter socks shall be used.) The top of the log may need to be flattened so that it is always below the top of curb elevation with a minimum 1" opening in order to prevent localized flooding.
4. Concrete blocks shall be used to aid in the log shape and prevent it from entering into the throat. They should be placed between the log and the throat opening, and used to secure the ends of the log against the curb if needed. The end of the log shall extend a minimum of 2 feet past the end of the throat opening. If a grate is also present in addition to the throat opening, the concrete blocks can either be laid perpendicular to the curb (recommended) so that the log lies on the outside of the grate, or parallel to the curb so that the log lies on top of the grate (note, Type 2 Inlet Protection is also used in conjunction with Type 3 if a grate is present). Sand bags can be used as an alternate to the concrete blocks at the end of the log to secure the log against the curb.

Source:	Symbol:	Detail No.
Adapted from Filtrexx™ International	IP-3	DE-ESC-3.1.5.3 Sheet 2 of 3 Effective July 2023

Standard Detail & Specifications
Inlet Protection - Type 3

5. If concrete blocks are not desired due to high traffic volumes, a welded wire screen in an "S" shape can be fitted over the length of the opening and secured to the log with straps, such as zip-ties. This will prevent the sock from falling into the opening. In this case, the log only needs to extend past the curb opening a minimum of 1 foot.
6. In all cases, the log shall provide a physical barrier to the catchbasin to allow for ponding and sedimentation along the upstream side of the log. The logs shall be placed on flat surfaces and maintain constant contact with the paved surface. Any daylight will allow for untreated discharge and is not permitted.
7. All structures must be inspected frequently (24 hours after a storm event and weekly) for p[illegible] function. Accumulated sediment shall be removed to avoid future failure, and must not exc[illegible] half of the effective height of the log. Reference manufacturer's recommendations for addition[illegible] maintenance.

Alternatives:

1. In lieu of the compost filter log, crushed DE #3 stone with a fractured face on all sides that [illegible] double wrapped in 1" chicken wire made from 10 gauge wire may [illegible] ire should b[illegible] secured using hog rings or wire ties on 6" centers along the len[illegible] the joint, a[illegible] 1" center on the ends of the rock sock. All installation and maintenan[illegible] teria are the same [illegible] compost log above.
2. In lieu of the compost filter media, 100% shredded rubber (t[illegible] lly from tires) can be use[illegible]
3. For applications that have a grate and a throat inlet, some Type [illegible] Protection manuf[illegible] rers have developed a catchbasin sack insert th[illegible] tubular at[illegible] ent which re[illegible] bove the grate and against the throat. As long [illegible] he require[illegible] of Ty[illegible] Inlet Protection, and the provided throat pr[illegible] ion extends a m[illegible] m of 1' pa[illegible] of the curb opening, without any daylight alon[illegible] edges, these combina[illegible] Type 2 and [illegible] e 3 devices may be used upon approval of t[illegible] partment or Delegated Ag[illegible].

Source:	Symbol:	Detail No.
Adapted [illegible] Filtrexx™ [illegible] atio[illegible]	[illegible] P-3	DE-ESC-3.1.5.3 Sheet 3 of 3 Effective July 2023

DETAIL: INLET PROTECTION - TYPE 3
SCALE: NOT TO SCALE

Standard Detail & Specifications
Construction Site Pollution Prevention

Delaware NPDES Discharge Permit
General Permit for Discharge of Stormwater from Construction Activities

((Project Name))

((NOI Permit Number))

((Agency Plan Approval ID))

((Contact Name & Number for Additional Site Information))

((Contact Name & Number to Obtain Copy of Approved Plan))

If you observe indicators of stormwater pollutants in the discharge or in the receiving waterbody, call the DNREC Spill Notification 24 HR Hotline at

1-800-662-8802

Example Construction General Permit (CGP) Signage

NOTES:
1. Minimum sign size 2' x 2'
2. Minimum text size 1"
3. Sign must be posted at a safe, publicly accessible location close to construction site
4. Sign must be visible from the public road nearest the active construction site
5. Signs posted within a DelDOT or other public road right-of-way (ROW) must be in accordance with all local and/or State requirements in regards to safety, location, orientation, etc.

Source:	Symbol:	Detail No.
Delaware ESC Handbook		DE-ESC-3.6.1 Sheet 1 of 4 Effective July 2023

Standard Detail & Specifications
Construction Site Pollution Prevention

Notes:

The Construction Site Pollution Prevention Plan includes th[illegible] owing elements

1. **Material Inventory**

   Document the storage and use of the following ma[illegible] ls:
   a. Concrete
   b. Detergents
   c. Paints (enamel and latex)
   d. Cleaning solvents
   e. Pesticides
   f. Wood scraps
   g. Fertilizers
   h. Petroleum based products
2. **Good housekeeping practices**
   a. Store [illegible] product required to d[illegible] job.
   b. [illegible] e all materials [illegible] eat, orderly manner in their original labeled containers and [illegible] vered.
   c. Do not mix different subs[illegible] ces.
   d. [illegible] hen possible, use all of [illegible] roduct prior to disposal of the container.
   e. [illegible] ufacturers' instructi[illegible] or disposal should be strictly adhered to.
   f. De[illegible] e someone [illegible] spect all BMPs daily.
3. **[illegible] ste management practices**
   a. [illegible] llect and store all waste materials in securely lidded dumpsters in a location that does n[illegible] in to a waterbody.
   b. [illegible] and/or recycle waste materials whenever possible.
   c. The dumpsters shall be emptied a minimum of twice per week, or more if necessary. The licensed trash hauler is responsible for cleaning out dumpsters.

Source:	Symbol:	Detail No.
Adapted from USEPA Pub. 840-B-92-002		DE-ESC-3.6.1 Sheet 2 of 4 Effective July 2023

Standard Detail & Specifications
Construction Site Pollution Prevention

Notes (cont.)

   d. Dispose of all trash in accordance with all applicable Delaware laws.
   e. Littering is strictly prohibited. Trash cans should be placed at all lunch spots and recycle bins should be placed near the construction trailer.
   f. If fertilizer bags can not be stored in a weather-proof location, they should be kept on a pallet and covered with plastic sheeting which is overlapped and anchored.
4. **Equipment maintenance practices**
   a. If possible, equipment should be taken to off-site commercial facilities for washing and maintenance.
   b. If performed on-site, wash vehicles with high-pressure water spray without detergents in an area contained by an impervious berm.
   c. Use drip pans for all equipment maintenance.
   d. Inspect equipment for leaks on a daily basis.
   e. Direct washout from concrete trucks into a temporary pit for hardening and proper disposal.
   f. Equip fuel nozzles with automatic shut-off valves.
   g. Dispose of all used products such as oil, antifreeze, solvents and tires in accordance with manufacturers' recommendations and local, state and federal laws and regulations.
5. **Spill prevention practices**
   a. Identify potential spill areas and contain them in covered areas with no connection to the storm drain system.
   b. Post warning signs in hazardous material storage areas.
   c. Perform preventive maintenance on all tanks, valves, pumps, pipes and other equipment as necessary.
   d. Prioritize low or non-toxic substances for use.

Source:	Symbol:	Detail No.
Adapted from USEPA Pub. 840-B-92-002		DE-ESC-3.6.1 Sheet 3 of 4 Effective July 2023

Standard Detail & Specifications
Construction Site Pollution Prevention

Notes (cont.)

   e. Prominently post contact information for reporting spills through the DNREC 24-Hour Toll Free Number.
6. **Education**
   a. Include Best Management Practices (BMPs) for construction site pollution control as part of regular progress meetings.
   b. Information regarding waste management, equipment maintenance and spill prevention should be prominently posted in the construction trailer.

CONTACT INFORMATION

DNREC 24-Hour Toll Free Number	800-662-8802
DNREC Solid & Hazardous Waste Management Section	302-739-9403

Source:	Symbol:	Detail No.
Adapted from USEPA Pub. 840-B-92-002		DE-ESC-3.6.1 Sheet 4 of 4 Effective July 2023

DETAIL: CONSTRUCTION SITE POLLUTION PREVENTION
SCALE: NOT TO SCALE

verdantas

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02/05/2026
STATE: DELAWARE PE # 27046

DESIGNED BY MAM | DRAWN BY JAM | CHECKED BY JJ | PROJECT NO. 33614

No.	REVISION	CHK'D BY DATE
1.	REVISED PER DNREC COMMENTS DATED 9/26/25	SMC 11/24/25
2.	REVISED PER DNREC COMMENTS DATED 12/5/25	SMC 12/10/25
3.	ISSUED FOR BID DATED 2/5/26	SMC 2/5/26
-		

CITY OF WILMIGTON ~ NEW CASTLE COUNTY~ DELAWARE
CONSTRUCTION PLAN
DELAWARE TECHNICAL & COMMUNITY COLLEGE - GEORGE CAMPUS
LOT NO. 1 IMPROVEMENTS
EROSION AND SEDIMENT CONTROL PLAN ALTERNATE NO. 1

DATE
SEPTEMBER 26, 2025

SCALE
#######

SHEET
C-403

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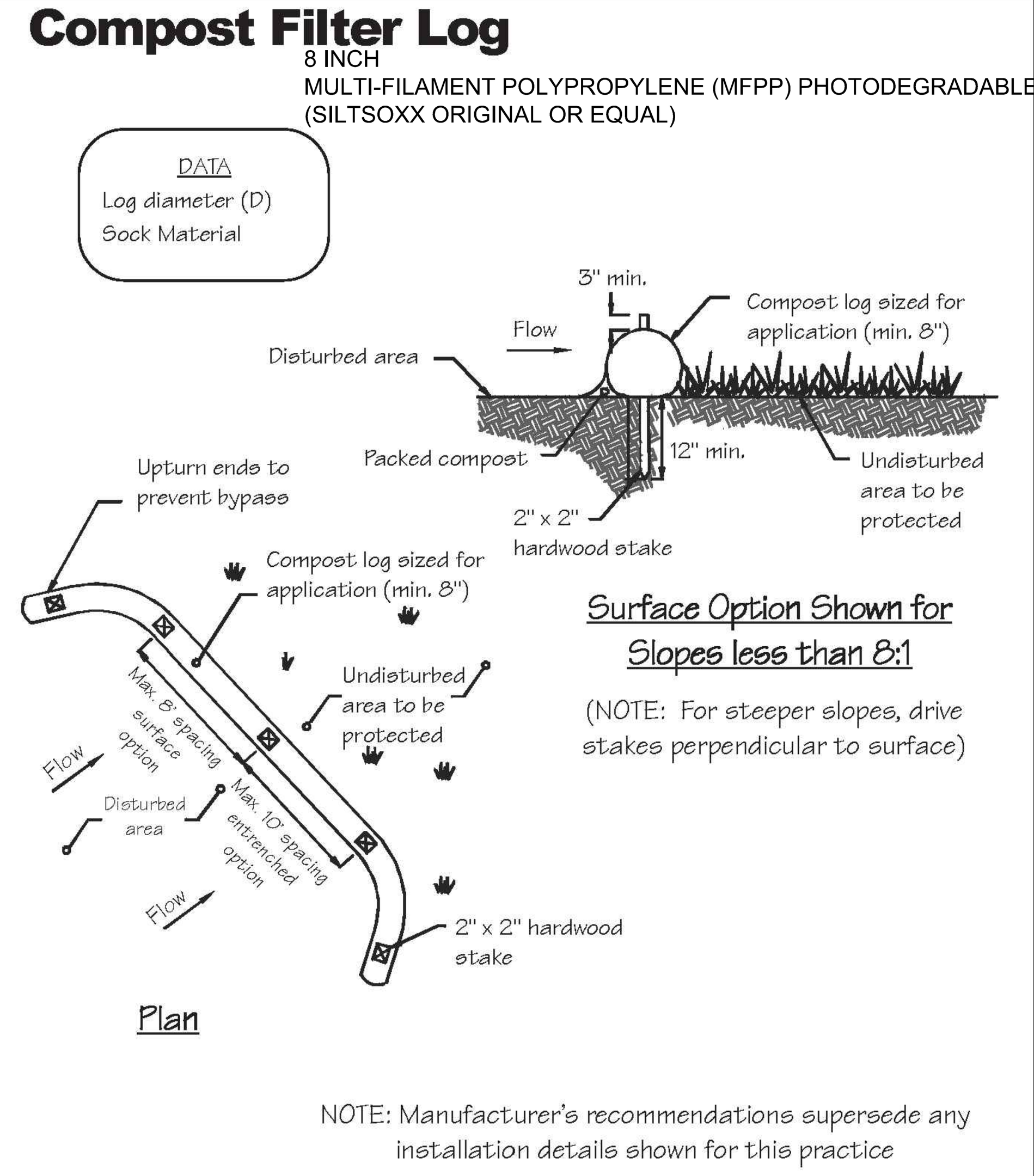
Standard Detail & Specifications
Compost Filter Log


8 INCH
MULTI-FILAMENT POLYPROPYLENE (MFPP) PHOTODEGRADABLE
(SILTSOXX ORIGINAL OR EQUAL)
DATA
Log diameter (D)
Sock Material
3" min.
Compost log sized for application (min. 8")
Flow
Disturbed area
12" min.
Undisturbed area to be protected
Packed compost
Upturn ends to prevent bypass
2" x 2" hardwood stake
Compost log sized for application (min. 8")
Surface Option Shown for Slopes less than 8:1
(NOTE: For steeper slopes, drive stakes perpendicular to surface)
Undisturbed area to be protected
Flow
Disturbed area
Flow
2" x 2" hardwood stake
Plan

NOTE: Manufacturer's recommendations supersede any installation details shown for this practice

Source:	Symbol:	Detail No.
Adapted from MD Stds & Specs for ESC & Filtrexx™ International	CFL	DE-ESC-3.1.7 Sheet 1 of 2 Effective July 2023

Standard Detail & Specifications
Compost Filter Log

Construction Notes:

1. Prior to installation, clear bedding area of obstructions including rocks or debris larger than 1 inch and fill in any sharp depression areas.
2. If socks are prepared on-site, fill the sock fabric using a pneumatic blower so that the logs are rigid and do not deform. Terminate at the desired length.
3. For trenched applications, excavate 2 to 4 inches below grade along the width and length of the compost filter log.
4. Install the compost filter logs perpendicular to the flow direction and parallel to the slope with the beginning and end of the installation pointing up the slope a minimum of 1 foot elevation difference. On sites where this is not possible, upturn at a minimum length of 10' at a 30 degree angle to prevent runoff bypass.
5. For untrenched applications, blow or hand pack soil, mulch, or compost on the upslope side of the log, filling the bottom void area.
6. Stake the filled log every 10 feet maximum through the center of the sock for trenched applications, or every 8 feet for untrenched. The stake shall be a 2" by 2" hardwood. It should extend 12" below grade and protrude at least 3" above the top of the sock. If located on a slope greater than 8:1, the stake shall be angled downslope at a 45 degree angle to prevent the force of the water from dislodging to log.
7. When the length of the compost filter log needed exceeds the available compost filter sock length, the next sock shall be overlapped a minimum of 12" before being filled, and a stake placed through both socks at the overlap.
8. Remove accumulated sediment when it has reached half of the effective height of the log.
9. Inspect weekly and after rain event. If sock is degrading or the sock is failing, vegetate to secure the compost, replace the log, or reinforce with an additional log. If the log has been crushed due to construction equipment, it can be "fluffed" back to its effective height. If the effective height can no longer be restored, the log shall be replaced or reinforced with an additional compost filter log.

Source:	Symbol:	Detail No.
Adapted from MD Stds & Specs for ESC & Filtrexx™ International	CFL	DE-ESC-3.1.7 Sheet 2 of 2 Effective July 2023

DETAIL: COMPOST FILTER LOG
SCALE: NOT TO SCALE

ERTEC® Slot Guard™ - Installation Guide - For slotted or trench drain inlets with grates in paved areas

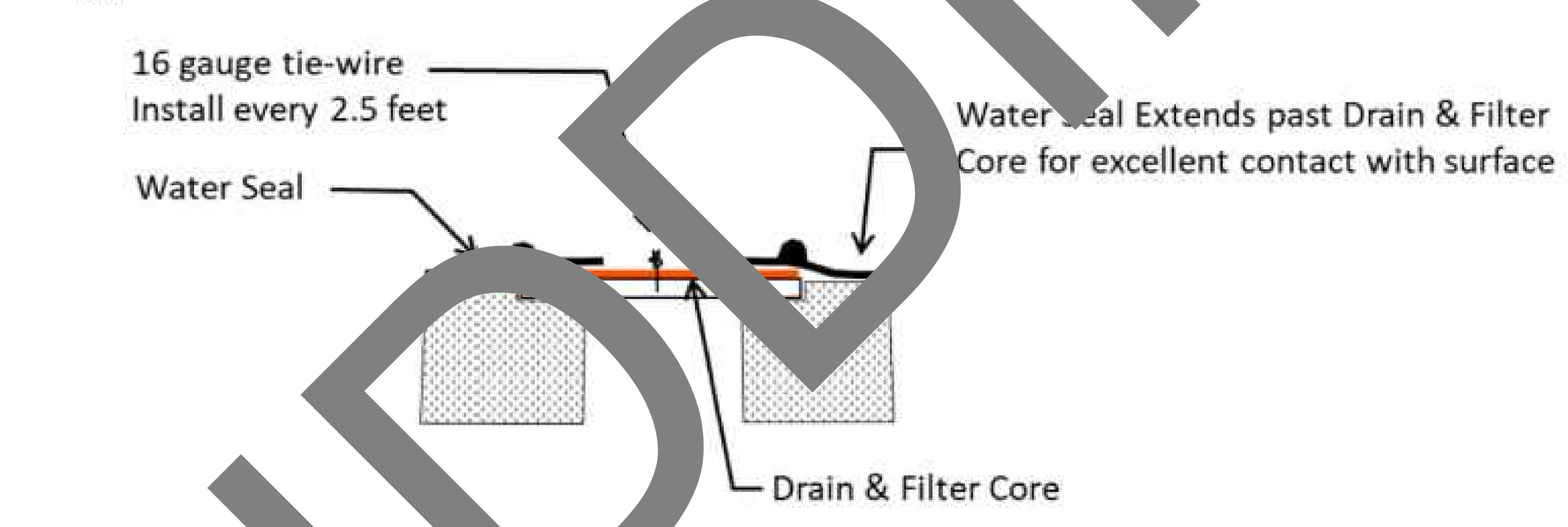
Installation Notes

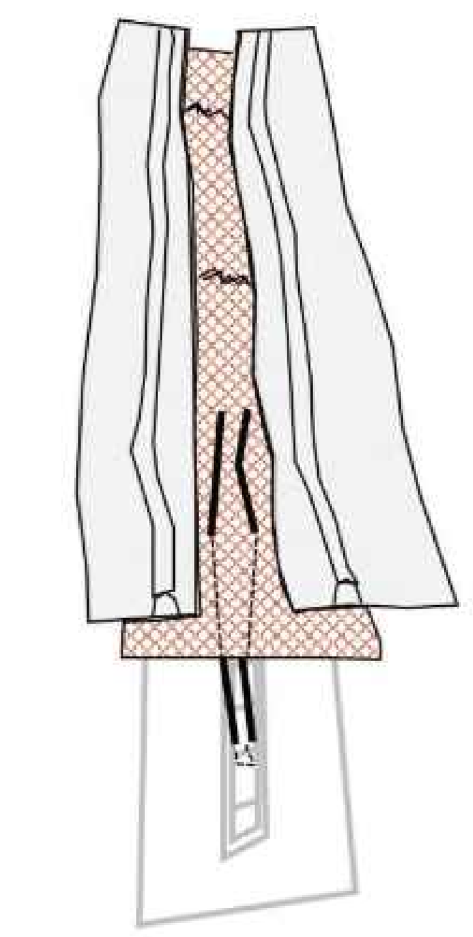
1. **Placement**: Select correct size (Table 1). Lay the Slot Guard™ on top of the slot or trench drain grate. For safety, assure that grate is in place. Do not remove grate.
2. **Anchor method**: Attach with 16 gauge tie wire every 2.5 linear Feet (Fig 1). Cut wire to 12" lengths. Feed one end of wire down thru Slot Guard™, around grate bar, and back-up thru Slot Guard™. Above ground, pull tight and twist wires several times. Cut off excess and bend twisted nub down
3. **Overlap:** Slot Guard™ segments overlap for long slot/trench drains.
4. **Clean**: Accumulation of leaves, debris and sediment can cause backups! Clean aft[illegible] every storm [illegible]ecessary.
5. **Protect**: In stop and go traffic areas where exposed to constant tire abuse, it is us[illegible]ul to place [illegible]fic co[illegible] or delineators on or near Slot Guard to discourage run-overs. Slot Guard™ works well with periodic run-overs, but does not sur[illegible]e long in constant [illegible]p and start traffic.

Table 1

Slot/Trench drains up to:	SG Size
6" width	[illegible]
12" width	SG [illegible]
15" width	SG 84x1[illegible]
20" width	[illegible]84x20

Fig. 1





ERTEC ENVIRONMENTAL SYSTEMS
1150 Ballena Blvd., Suite 250
Alameda, CA 94501
P: 866-521-0724
F: 510-521-3972
www.ertecsystems.com

U.S. and International Patents and Pending Patents Apply
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File Name: ERTEC – Installation Guide – Slot Guard.pdf

Scale:	Default Print Size:	Page:
None	8.5"x11"	1 of 1

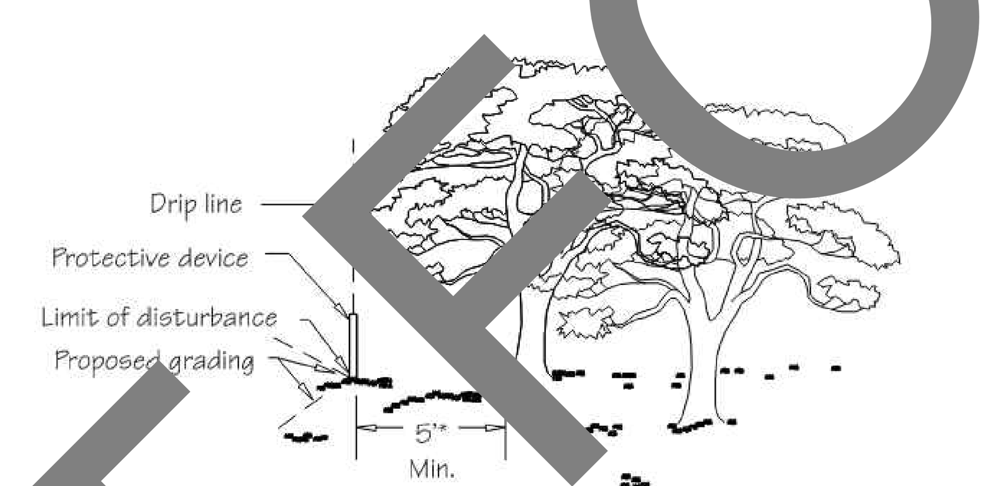
DETAIL: SLOT GUARD INSTALLATION GUIDE
SCALE: NOT TO SCALE

Geotextile Selection Table

Type	Application	Example Products
GS-I	Separation / Stabilization / Underlayment for: Dewatering Basin - Type 2, Gabion Chute, Lined Channel, Riprap Chute, Riprap Outlet Protection, Riprap Stilling Basin, Stabilized Construction Entrance, Stream Diversion, Temporary Crossing	US Fabrics US315, ADS 315W, Amoco ProPex 2006
GD-I	Culvert Inlet Protection, Reinforced Silt Fence, Silt Fence, Super Silt Fence	Mirafi 500X, Geotex 2005T, Amoco ProPex 2130
GD-II	Dewatering Basin - Type 1, Dewatering Device, Inlet Protection - Type 1, Pumping Pit	Thrace-LINQ GTF 400E, Skaps M404, WinFAB 2197
GD-III	Inlet Protection - Type 2	Silt Sack High Flow, Dandy Bag II, Ultra-Drain Grate Guard
GD-IV	Geotextile Dewatering Bag	Dirtbag 53/55, Dandy Dewatering Bag, TerraTex N08/N10

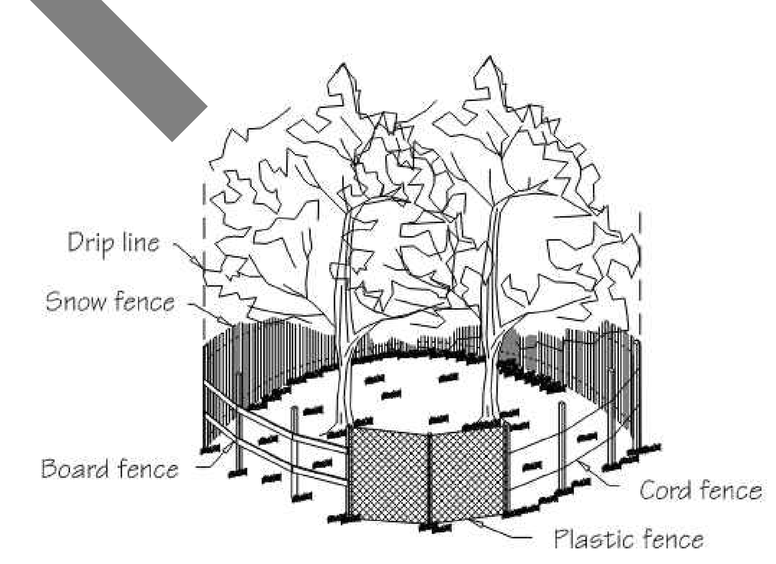
DETAIL: GEOTEXTILE SELECTION TABLE
SCALE: NOT TO SCALE

Standard Detail & Specifications
Sensitive Area Protection



Min. setback applies to all sensitive areas covered by this specification.

Location of Sensitive Area Protection



Methods of Sensitive Area Protection

Source:	Symbol:	Detail No.
Adapted from VA ESC Handbook	SAP	DE-ESC-3.7.2 Sheet 1 of 3 Effective July 2023

Standard Detail & Specifications
Sensitive Area Protection

Construction Notes:

Fencing shall be installed at the extents of all sensitive areas. For trees, the fencing shall be installed outside the dripline (mature canopy) and at no time within 5 feet of the trunk. Personnel must be instructed to honor protective devices. The devices described are suggested only, and are not intended to exclude the use of other devices which will protect the trees to be retained. If silt fence is to be used for demarcation purposes, appropriate signage shall be provided a minimum of every 20 feet denoting the area as a sensitive area protection zone.

Materials:

1. Snow Fence - Standard 40-inch high snow fence shall be placed at the limits of clearing or construction on standard steel posts set 6 feet apart.
2. Board Fence - Board fencing consisting of 4-inch square posts set securely in the ground and protruding at least 4 feet above the ground shall be placed at the limits of clearing with a minimum of two horizontal boards between posts. For tree protection, if it is not practical to erect a fence at the drip line, construct a triangular fence nearer the trunk. The limits of clearing will still be located at the drip line, since the root zone within the drip line will still require protection.
3. Plastic Fencing - 40-inch high "international orange" plastic (polyethylene) web fencing secured to conventional metal "T" or "U" posts driven to a minimum depth of 18 inches on 6-foot minimum centers shall be installed at the limits of clearing. The fence should have the following minimum physical qualities:
   - a. Tensile yield: Average 2,000 lbs. per 4-foot width (ASTM D638)
   - b. Ultimate tensile yield: Average 2,900 lbs. per 4-foot width (ASTM D638)
   - c. Elongation at break (%): Greater than 1000% (ASTM D638)
   - d. Chemical resistance: Inert to most chemicals and acids

Source:	Symbol:	Detail No.
Adapted from VA ESC Handbook	SAP	DE-ESC-3.7.2 Sheet 2 of 3 Effective July 2023

Standard Detail & Specifications
Sensitive Area Protection

4. Cord Fence - Posts with a minimum size of 2 inches square or 2 inches in diameter set securely in the ground and protruding at least 4 feet above the ground shall be placed at the limits of clearing with two rows of cord 1/4-inch or thicker at least 2 feet apart running between posts with strips of colored surveyor's flagging tied securely to the string at intervals no greater than 3 feet.
5. Earth Berms - Temporary earth berms shall be constructed according to specifications for a Temporary Earth Dike with the base of the berm on the sensitive area side located along the limits of clearing. Earth berms may not be used for this purpose if their presence will conflict with drainage patterns.
6. Trunk Armoring (Tree Protection Only) - As a last resort, a tree trunk can be armored with burlap wrapping and 2-inch studs wired vertically no more than 2 inches apart to a height of 5 feet encircling the trunk. If this alternative is used, the root zone within the drip line will still require protection. Nothing should ever be nailed to a tree.

Maintenance:

Fencing and armoring devices shall be in place before any excavation or grading is begun, shall be kept in good repair for the duration of construction activities, and shall be the last items removed during the final cleanup after the completion of the project.

Source:	Symbol:	Detail No.
Adapted from VA ESC Handbook	SAP	DE-ESC-3.7.2 Sheet 3 of 3 Effective July 2023

DETAIL: SENSITIVE AREA PROTECTION
SCALE: NOT TO SCALE

verdantas

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02/05/2026
PE # 27046
STATE: DELAWARE

DESIGNED BY	DRAWN BY	CHECKED BY	PROJECT NO.
MAM	JAM	JJ	33614

No.	REVISION	CHK'D BY / DATE
1.	REVISED PER DNREC COMMENTS DATED 9/26/25	SMC 11/24/25
2.	REVISED PER DNREC COMMENTS DATED 12/5/25	SMC 12/19/25
3.	ISSUED FOR BID DATED 2/5/26	SMC 2/5/26

CITY OF WILMINGTON ~ NEW CASTLE COUNTY~ DELAWARE
CONSTRUCTION PLAN
DELAWARE TECHNICAL & COMMUNITY COLLEGE - GEORGE CAMPUS
LOT NO. 1 IMPROVEMENTS
EROSION AND SEDIMENT CONTROL PLAN ALTERNATE NO. 1

DATE
SEPTEMBER 26, 2025

SCALE
#######

SHEET
C-404

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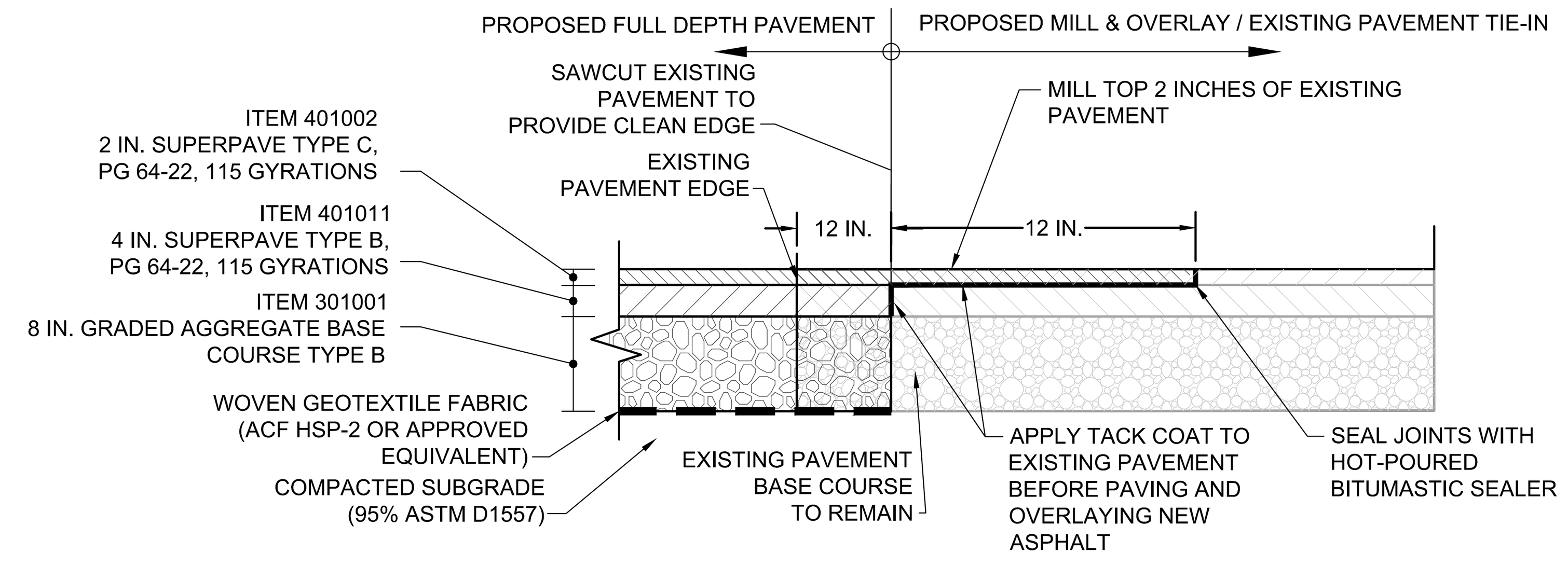
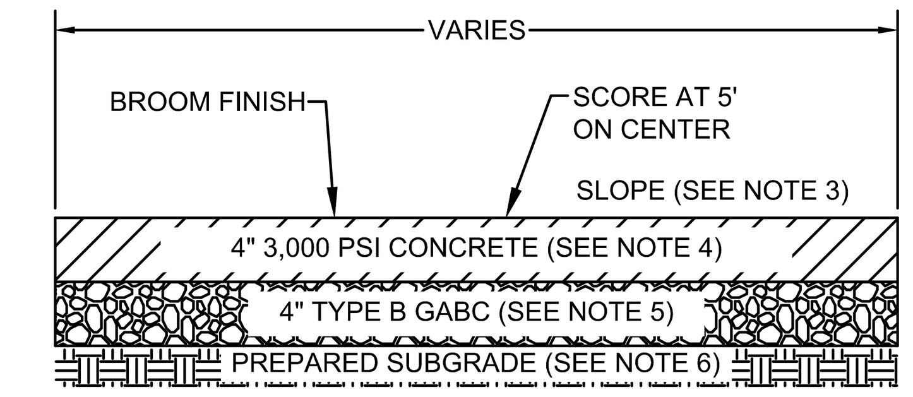


DETAIL: ASPHALT PAVEMENT SECTION

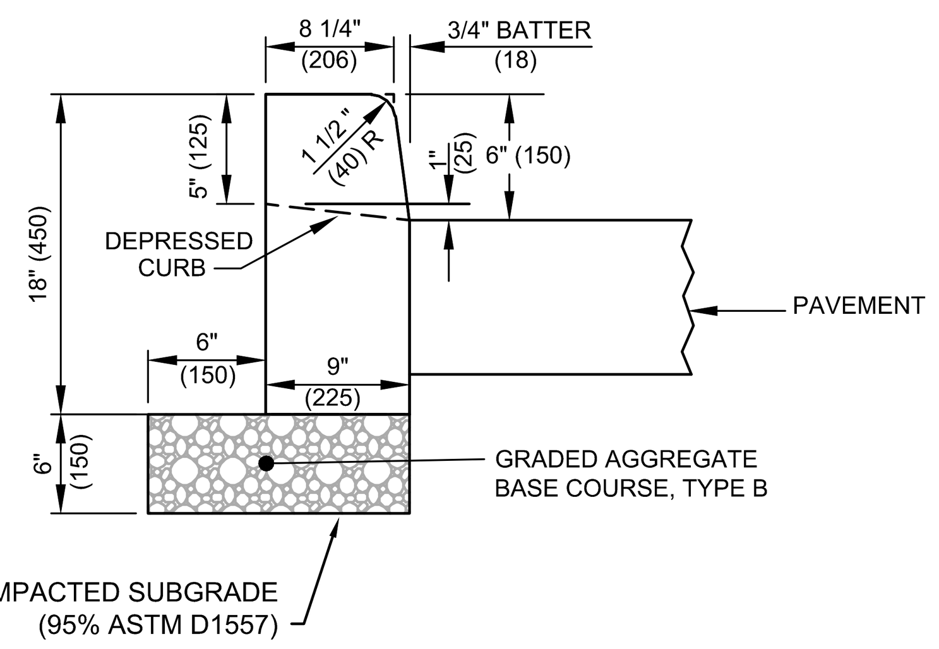
SCALE: NONE



NOTES:
1. CONCRETE SIDEWALKS SHALL BE CONSTRUCTED AS PER DELDOT SPECIFICATIONS.
2. MINIMUM SIDEWALK CROSS SLOPE = 1%
MAXIMUM SIDEWALK CROSS SLOPE = 2%
TYPICAL SIDEWALK CROSS SLOPE = 1.5%
3. STANDARD SIDEWALK SHALL BE 4 INCHES THICK. RAMPS SHALL BE 6 INCHES THICK OVER 6 INCHES OF GABC.
4. USE DELDOT CLASS B CONCRETE. PLACE CONTROL JOINTS EVERY 5'0" AND EXPANSION JOINTS AT 15' MAXIMUM SPACING AND AGAINST STRUCTURES AND PAVEMENTS IN ACCORDANCE WITH DELDOT STD. SPECIFICATION AND DETAILS.
5. STONE AGGREGATE BELOW CONCRETE SIDEWALK SHALL BE TYPE B GABC COMPACTED TO 90% MODIFIED PROCTOR DENSITY (ASTM D-1557). THICKNESS OF GABC SHALL BE 4 INCHES FOR STANDARD SIDEWALK .
6. PROOF ROLL OR TAMP EXISTING SUBGRADE.

DETAIL: SIDEWALK SECTION

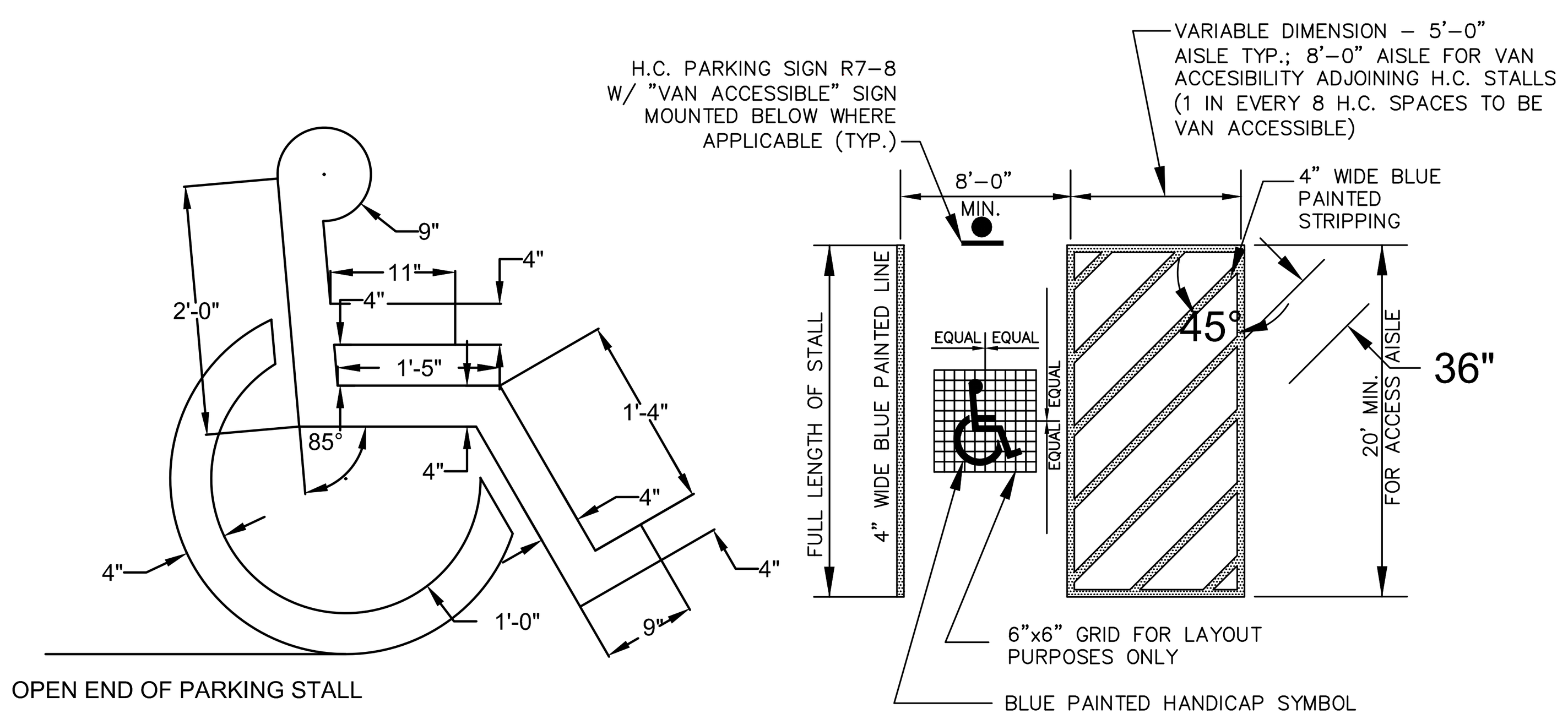
SCALE: NOT TO SCALE



1) USE DELDOT CLASS B CONCRETE. CONSTRUCT JOINTS AT SPACING AND AGAINST STRUCTURES AND PAVEMENTS IN ACCORDANCE WITH DELDOT STD. SPECIFICATIONS AND DETAILS.
2) CURB IS TO BE PLACED OVER 6 INCHES OF GABC-TYPE B OVER PROOF ROLLED AND COMPACTED SUBGRADE, 95% ASTM D1557.
3) THE GABC SHALL EXTEND 6 INCHES FROM BACK OF CURB.

DETAIL: PCC CURB, TYPE 1-6

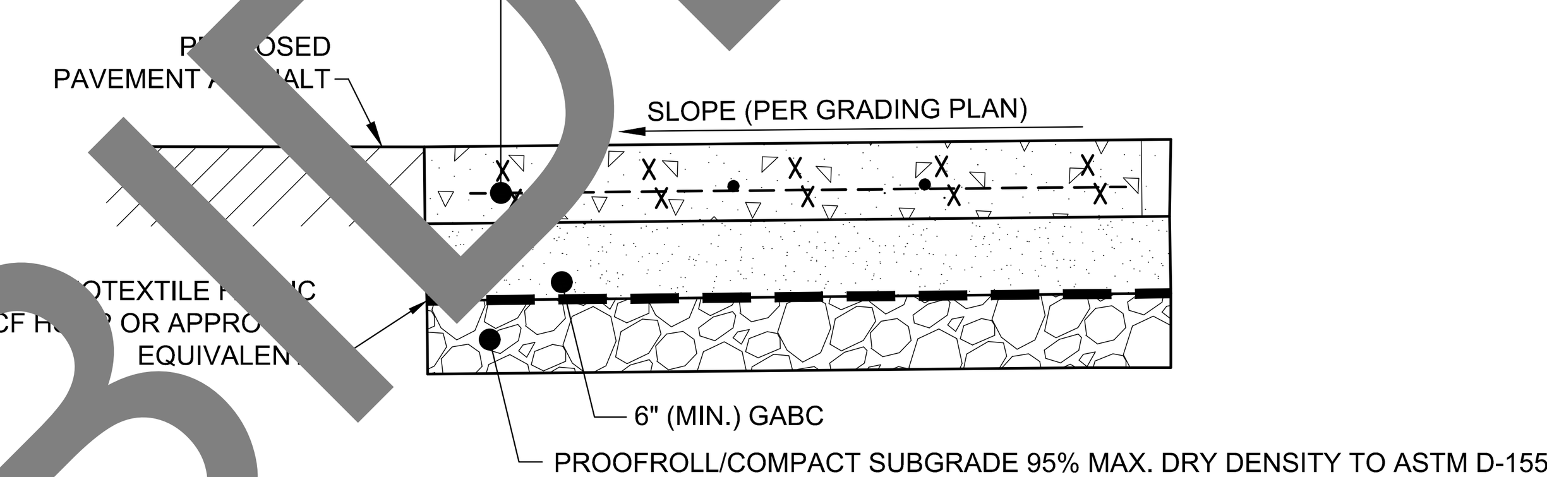
SCALE: NONE



DETAIL: ACCESSIBLE PARKING STRIPING (BLUE)

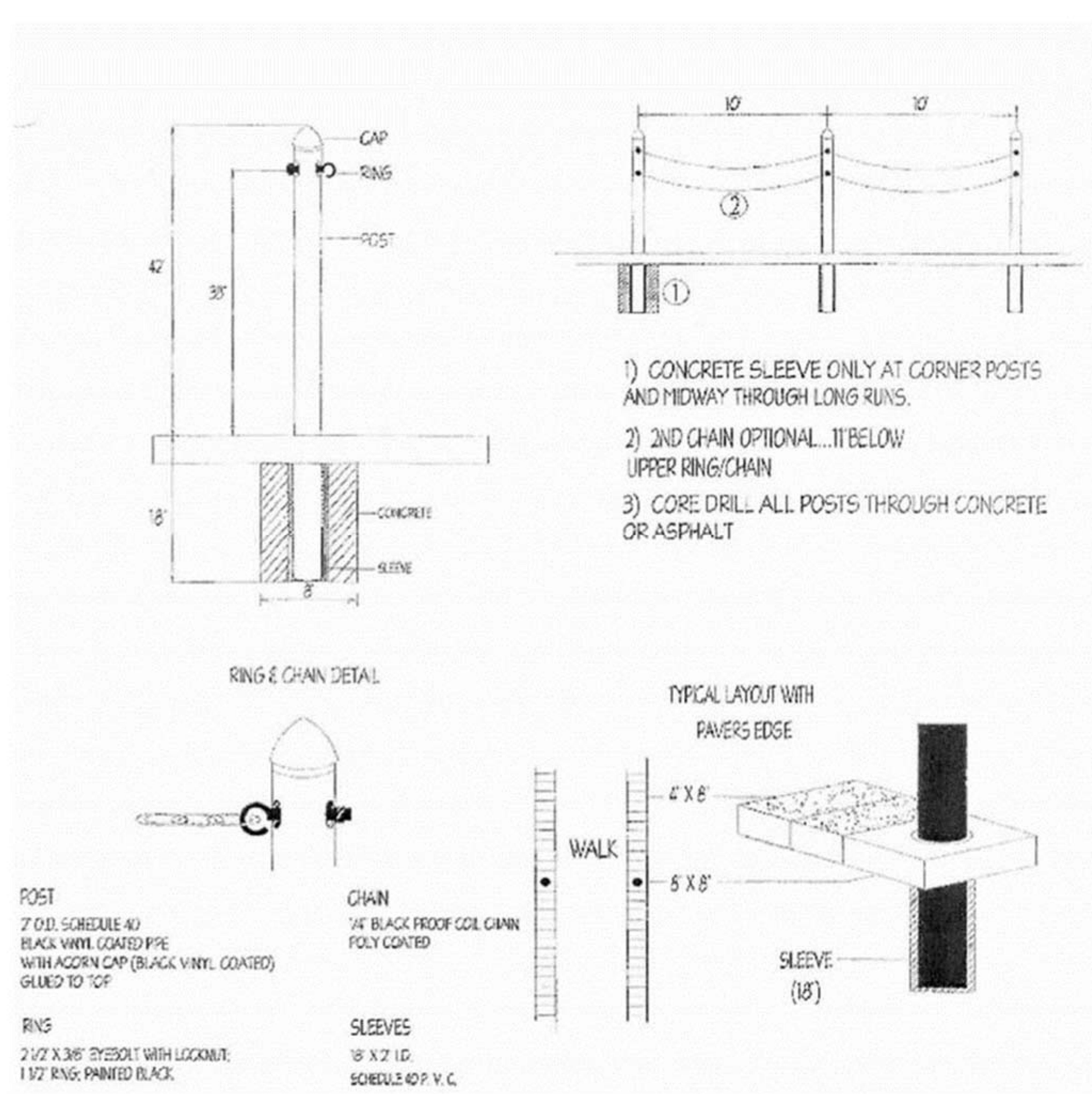
SCALE: NOT TO SCALE

6" 4,500 PSI CONCRETE W/ #4 REBAR @ 16" O.C. EACH WAY. CONSTRUCT 2" DEEP TOOLED JOINTS @ 10' ON CENTER AND 1/2" WIDE EXPANSION JOINT APPROXIMATELY 20' FROM EDGE OF THE CONCRETE IN EACH DIRECTION. PLACE EXPANSION MATERIAL AGAINST EXISTING STRUCTURES AND TRENCH DRAIN.



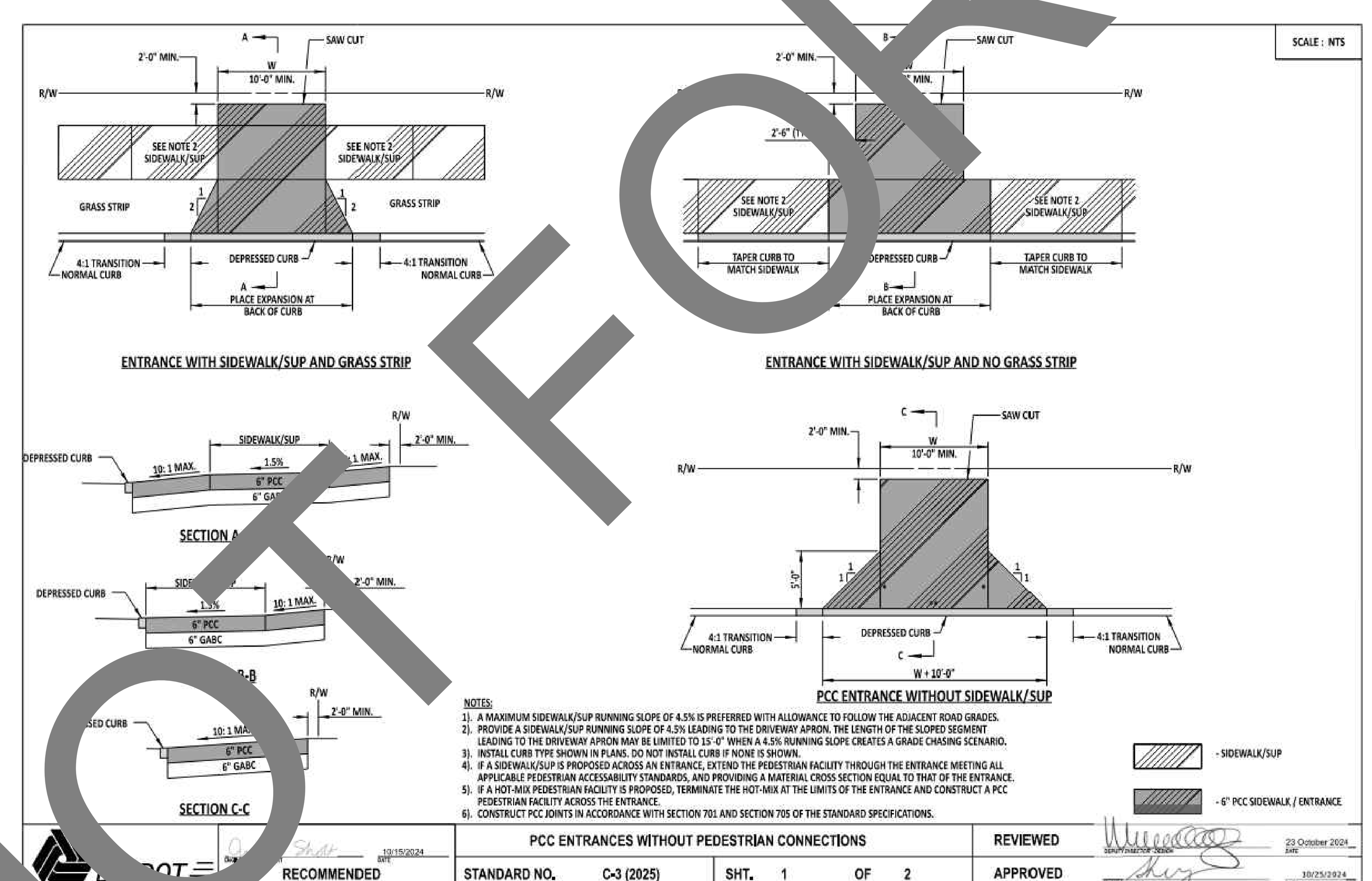
DETAIL: CONCRETE PAVEMENT

SCALE: NONE



DETAIL: POST AND CHAIN FENCE

SCALE: NOT TO SCALE



DETAIL: PCC ENTRANCE

SCALE: NOT TO SCALE

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WILMINGTON, DE 19808-1232
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02/05/2026
PE # 27046
STATE: DELAWARE

No.	REVISION	CHK'D BY DATE
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2.	REVISED PER DNREC COMMENTS DATED 12/2/25	SMC 12/18/25
3.	ISSUED FOR BID DATED 2/5/26	SMC 2/5/26

DESIGNED BY: MAM
DRAWN BY: JAM
CHECKED BY: JJ
PROJECT NO.: 33614

CITY OF WILMIGTON ~ NEW CASTLE COUNTY~ DELAWARE

CONSTRUCTION PLAN

DELAWARE TECHNICAL & COMMUNITY COLLEGE - GEORGE CAMPUS

LOT NO. 1 IMPROVEMENTS

CONSTRUCTION DETAILS

DATE: SEPTEMBER 26, 2025

SCALE: N.T.S.

SHEET: C-500