



CITY MANAGER'S OFFICE
CITY OF NEWARK

220 South Main Street · Newark, Delaware 19711
302.366.7000 · Fax 302.366.7035 · www.newarkde.gov

October 21, 2024

Contract No. 24-14

Addendum #1

1. Notice to Bidders

- A. This Addendum is issued to all registered plan holders pursuant to the Conditions of the Contract. This Addendum serves to clarify, revise, and supersede information in the Project Specifications, Drawings, and previously issued Addenda. Portions of the Addendum affecting the Contract Documents will be incorporated into the Contract by enumeration of the Addendum in the Owner/Contractor Agreement.
- B. The Bidder shall acknowledge receipt of this Addendum with their submitted proposal.
- C. **The date for receipt of bids is unchanged by this Addendum.**
- D. **The cutoff date and time for questions is Monday October 21, 2024 at 5:00 p.m. Questions submitted after this date and time will not answered.**
- E. **Attachments with this Addendum include:**
 - 1. Addendum #1 Plans
 - 2. Pre-Bid Meeting Sign In Sheet
 - 3. Pre-Bid Meeting Agenda
 - 4. Updated Proposal Form
 - 5. Subsurface Sampling Report

2. Responses to Questions Submitted at Pre-Bid Meeting and Via Email

Question 1:	Can you provide the stormwater borings?
Response 1:	The subsurface sampling report that was used for this project is included with this Addendum.
Question 2:	Is a CCR required for this project?
Response 2:	The City will perform CCR inspections and complete the CCR reports. The Contractor is required to have their own blue card holder and partake in the CCR inspections with the City.

Question 3:	SW-101 - STORMWATER PLAN - All the inlets listed in the schedule are 24"x34" in size. On ES-101 - E&S PLAN inlets 1, 4, and 6 are shown having a single IP-3 inlet protection. Inlets 2, 3, and 5 are shown having a double IP-3 inlet protection. A 24"x34" inlet has a single frame and grate. How many inlet protections should all 24"x34" inlets have?
Response 3:	1 Inlet Protection for each drainage inlet. An updated plan sheet will be provided with the next Addendum.
Question 4:	L-105 - MATERIALS PLAN - Is there a detail for the 300' x 157' field area? Is it a grass field or synthetic turf? If this is a grass field, what seed mix should be used?
Response 4:	This is a grass field. Refer to Specification 329200 Section 2.1 For athletic field and non-athletic field seed mixtures.
Question 5:	The pre-bid agenda states the contract duration is 270 calendar days. The proposal form states 180 calendar days. Which is correct?
Response 5:	The Contract Duration is 270 calendar days.
Question 6:	What type of paint can be used for line striping of the parking lot, epoxy resin or solvent based / waterborne latex paint?
Response 6:	Epoxy resin will be used, see note #6 on Sheet L-105.

END OF ADDENDUM #1

DEMOLITION NOTES

1. CONTRACTOR SHALL PERFORM A MISS UTILITY OF DELMARVA CALL 72 HOURS PRIOR TO ANY DEMOLITION ACTIVITIES.

2. INSTALL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO SITE CLEARING OR DEMOLITION ACTIVITIES. SEE EROSION AND SEDIMENT CONTROL PLANS.

3. PRESERVE AND PROTECT ALL EXISTING FEATURES TO REMAIN: STRUCTURES, LIGHTING, SURFACE MATERIALS, ABOVE AND BELOW GRADE UTILITIES, FOOTING AND VEGETATION WITHIN AND ADJACENT TO CONSTRUCTION AREA DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.

4. MEET ALL EXISTING GRADES AT ALL EDGES OF PROJECT. ADJUST EXISTING INLETS, DRAINS, VENTS, VALVE, AND ANY OTHER APPLICABLE UTILITIES TO MEET FINISH GRADES.

5. DO NOT DRIVE OR PARK, STORE MATERIAL OR DEBRIS ON THE SITE EXCEPT IN AREAS APPROVED BY OWNER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT TO ANY EXISTING ANY FEATURES DISTURBED OR DAMAGED BY THE CONSTRUCTION OR DEMOLITION ACTIVITIES PROPOSED HEREIN.

7. CUTTING AND PATCHING OF EXISTING PAVEMENTS TO REMAIN SHALL BE COMPLETED WITH CARE. PATCH WITH MATERIALS IDENTICAL TO EXISTING MATERIALS.

8. REMOVE EXISTING PAVEMENT TO FULL DEPTH WITHIN THE AREAS NOTED FOR DEMOLITION.

9. DEMOLITION WORK SHALL BE SCHEDULED AND IMPLEMENTED WITH MINIMAL DISRUPTION TO ADJACENT OCCUPIED AREAS.

10. ALL EXISTING UNDERGROUND UTILITIES, UTILITY POLES, GUY WIRES, MANHOLES, AND HYDRANTS UNLESS OTHERWISE NOTED SHALL NOT BE DISTURBED BY THE CONTRACTORS DEMOLITION EFFORTS UNLESS NOTED FOR REMOVAL.

11. ANY EXISTING UTILITIES NOT NOTED FOR REMOVAL SHALL HAVE LIDS, COVERS, GRATES, TOPS, ETC. RESET TO THE PROPOSED ELEVATIONS.
12. ALL ITEMS NOTED FOR REMOVAL SHALL BE REMOVED IN THEIR ENTIRETY, INCLUDING ALL ASSOCIATED APPURTENANCES UNLESS OTHERWISE NOTED.

13. THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER AND/OR LANDSCAPE ARCHITECT FOR ANY AND ALL INJURIES AND/OR DAMAGES TO PERSONNEL, EQUIPMENT AND/OR EXISTING FACILITIES IN THE DEMOLITION AND CONSTRUCTION DESCRIBED IN THE PLANS AND SPECIFICATIONS.

14. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE SITE AND BE FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BIDDING ON THE DEMOLITION WORK FOR THIS PROJECT. IF THE CONDITIONS ENCOUNTERED DURING EXAMINATION ARE SIGNIFICANTLY DIFFERENT THAN THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY.

15. ALL DEMOLITION WASTE AND CONSTRUCTION DEBRIS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF IN A STATE APPROVED WASTE SITE AND IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.

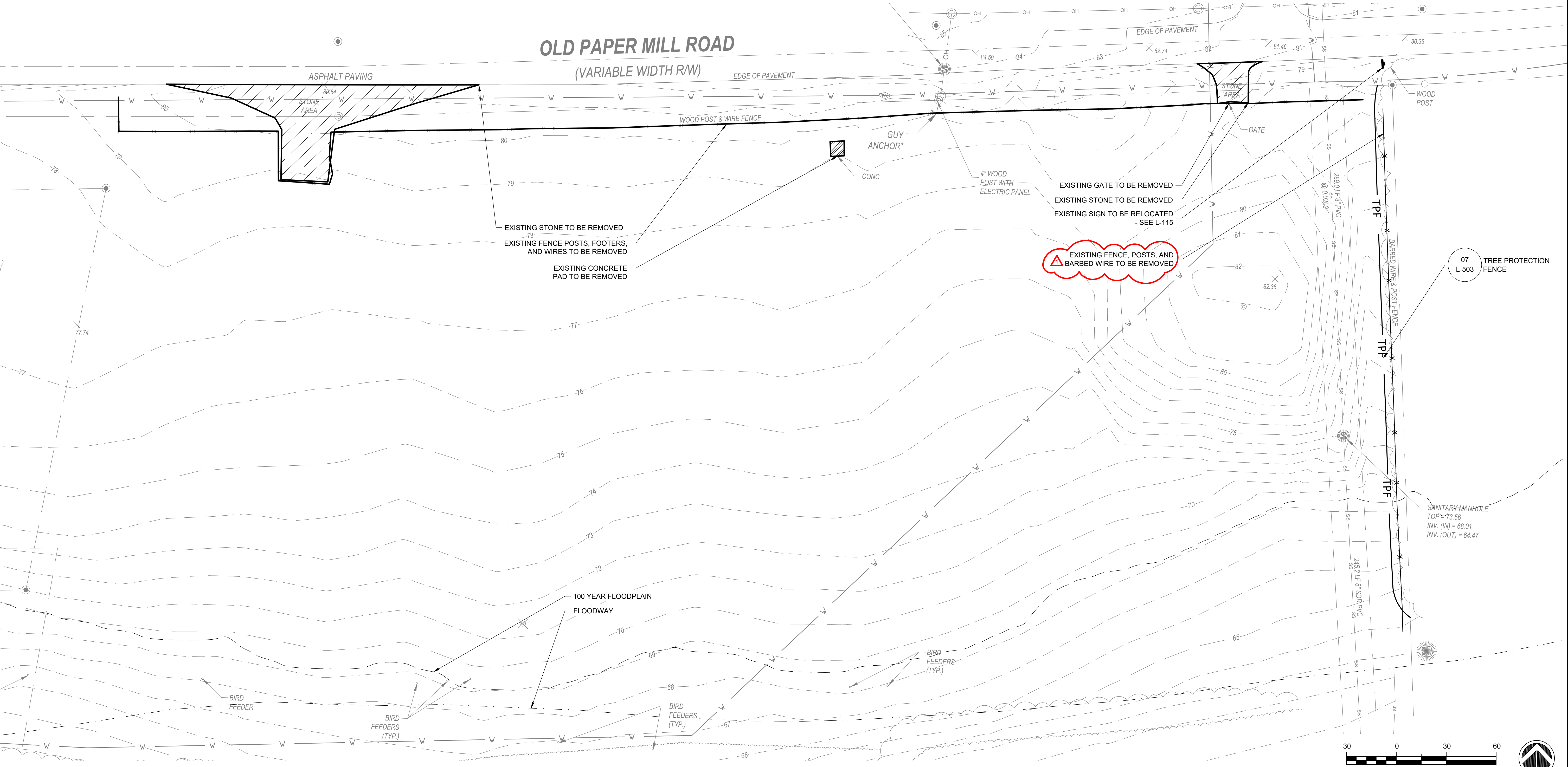
16. CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY IF HAZARDOUS MATERIALS ARE ENCOUNTERED.
17. CONTRACTOR SHALL PROTECT ALL CORNER PINS, MONUMENTS, PROPERTY CORNERS, AND BENCHMARKS DURING DEMOLITION ACTIVITIES. IF DISTURBED, CONTRACTOR SHALL HAVE DISTURBED ITEMS RESET BY A LICENSED SURVEYOR AT NO ADDITIONAL COST TO THE OWNER.

18. CONTRACTOR SHALL PROTECT AT ALL TIMES ADJACENT EXISTING STRUCTURES AND ITEMS FROM DAMAGE DUE TO DEMOLITION / CONSTRUCTION ACTIVITIES.

19. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION.

20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK ZONE SAFETY AS MANDATED BY OSHA, THE MUNICIPALITY, OR THE OWNER'S AUTHORIZED REPRESENTATIVE.

21. CONTRACTOR SHALL COORDINATE WITH LANDSCAPE ARCHITECT AND OWNER PRIOR TO REMOVING ANY ITEMS OTHER THAN WHAT IS SHOWN ON THESE PLANS.



- LEGEND**
- STONED ENTRANCE REMOVAL
 - CONCRETE REMOVAL
 - FENCE REMOVAL
 - TREE PROTECTION FENCE — TPF —

TREE PROTECTION NOTES

1. CONTRACTOR SHOULD DOCUMENT EXISTING CONDITIONS OF EXISTING TREES AND PLANTING INDICATED TO REMAIN WITH DIGITAL PHOTOS AND/OR VIDEO, WHICH ESTABLISHES PRECONSTRUCTION CONDITIONS. INCLUDES PLANS AND NOTATIONS TO INDICATE SPECIFIC WOUNDS AND DAMAGE CONDITIONS OF EACH TREE OR OTHER PLANTS DESIGNATED TO REMAIN.

2. TREE PROTECTION FENCING MUST BE APPROVED BY OWNER OR THEIR REPRESENTATIVE PRIOR TO COMMENCING WITH ANY DEMOLITION OR CONSTRUCTION WORK.

3. INSTALL PROTECTION FENCING BEFORE INSTALLING EROSION AND SEDIMENTATION CONTROLS. SILT FENCE IS PROHIBITED WITHIN PROTECTION ZONE. TRENCHING IS PROHIBITED IN TREE PROTECTION ZONES. FLOWS OR WATER REDIRECTED FROM CONSTRUCTION AREAS OR GENERATED BY CONSTRUCTION ACTIVITY ARE PROHIBITED FROM ENTERING OR CROSS PROTECTION ZONES.

5. PROTECT ROOT SYSTEM FROM PONDING, ERODING, OR EXCESSIVE WETTING CAUSED BY DEWATERING OPERATIONS.
6. LOCATE AND CLEARLY IDENTIFY TREES, SHRUBS AND OTHER VEGETATION TO REMAIN. FLAG EACH TREE TO REMAIN AT A HEIGHT OF 6-FEET +/- WITH DISTINCTIVE, HIGHLY VISIBLE COLOR FLAGGING TAPE. SUPERVISING CONTRACTOR AND/OR SITE FOREMAN IS RESPONSIBLE TO INSTRUCT AND MONITOR ALL LABORERS AND WORKERS ABOUT THE TREE PROTECTION REQUIREMENTS.

7. DO NOT PARK VEHICLE OR EQUIPMENT OR STORE MATERIALS WITHIN PROTECTION ZONES.

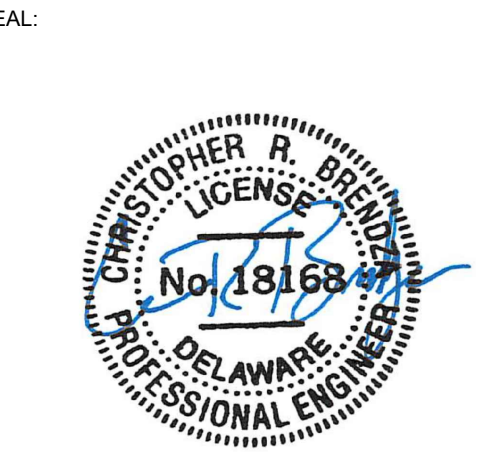
8. BRING ANY UNFORESEEN SITE CONDITIONS, SUCH AS STRUCTURAL ROOTS, THAT WILL IMPACT NEW CONSTRUCTION TO THE ATTENTION OF THE BY OWNER OR THEIR REPRESENTATIVE.

9. AVOID DAMAGING EXISTING TREES. DAMAGES INCLUDE BUT NOT LIMITED TO: CUTTING, BREAKING, SKINNING OR COMPACTING OF ROOTS, SKINNING AND BRUISING OF BARK AND BREAKING OF BRANCHES AND LIMBS.
10. THE CRITICAL ROOT ZONE EXTENDS FROM THE TREE TRUNK A DISTANCE EQUAL TO TWELVE (12) TIMES THE TRUNK DIAMETER, OR TO THE TREE'S DRIP LINE PLUS FIVE (5) FEET, WHICHEVER DISTANCE IS GREATER.

11. ALL TREES, NATURAL FEATURES, AND OTHER VEGETATION TO BE PRESERVED SHALL BE PROTECTED FROM EQUIPMENT DAMAGE BY SNOW FENCING OR OTHER EFFECTIVE BARRIERS APPROVED BY THE BY OWNER OR THEIR REPRESENTATIVE. FENCING OR BARRIERS AROUND TREES SHALL BE PLACED OUTSIDE THE DRIPLINE, UNLESS APPROVED BY THE BY OWNER OR THEIR REPRESENTATIVE, TO BE APPROPRIATE AT ANOTHER LOCATION. TREE PROTECTION INSTALLATION MUST BE APPROVED BY THE BY OWNER OR THEIR REPRESENTATIVE TO THE START OF ANY CLEARING, GRADING, OR OTHER EARTH DISTURBANCE AND MONITORED PERIODICALLY. THE TREE PROTECTION FENCING SHALL BE MAINTAINED BY THE CONTRACTOR WHILE IN PLACE. IT SHALL BE REMOVED AFTER ALL EARTH MOVING AND CONSTRUCTION ACTIVITIES THAT MAY IMPACT TREE ROOTS ARE COMPLETED.

12. WHEN DISTURBANCE WITHIN THE CRITICAL ROOT ZONE IS UNAVOIDABLE, CONTRACTOR SHALL MINIMIZE ENCROACHMENT AND USE THE BEST AVAILABLE METHODS AS APPROVED BY BY OWNER OR THEIR REPRESENTATIVE TO MINIMIZE DAMAGE AND PRESERVE TREES. THESE METHODS MAY INCLUDE UTILITY TUNNELING, USE OF GEO-TEXTILES, MULCHING, HAND ROOT PRUNING, AND SOIL AERATION. CONTRACTOR SHALL CONSULT REFERENCES SUCH AS A GUIDE TO PRESERVING TREES IN DEVELOPMENT PROJECTS, PUBLISHED BY THE PENN STATE COLLEGE OF AGRICULTURAL SCIENCES COOPERATIVE EXTENSION.

13. MAINTAIN EXISTING GRADES WITHIN THE PROTECTION ZONE TO THE GREATEST EXTENT FEASIBLE.



REVISIONS		
NO.	DATE	DESCRIPTION
1	10/14/24	ADDENDUM 1

PROJECT: OLD PAPER MILL ROAD PARK

PROJECT LOCATION: 219 OLD PAPER MILL ROAD NEWARK, DE 19711

PROJECT NUMBER: 20-03026-008

DATE: 09/25/2024

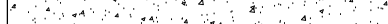
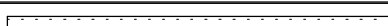
SCALE: ---

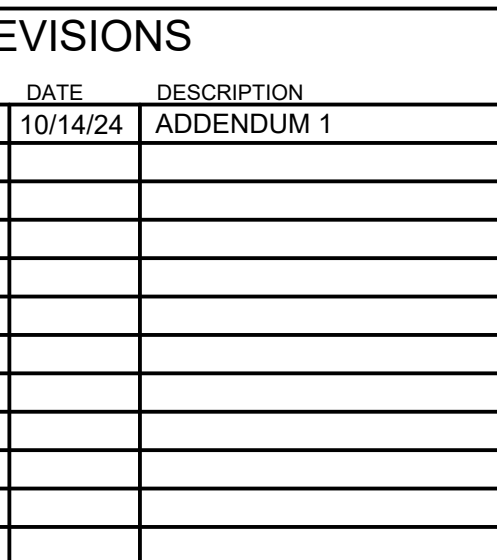
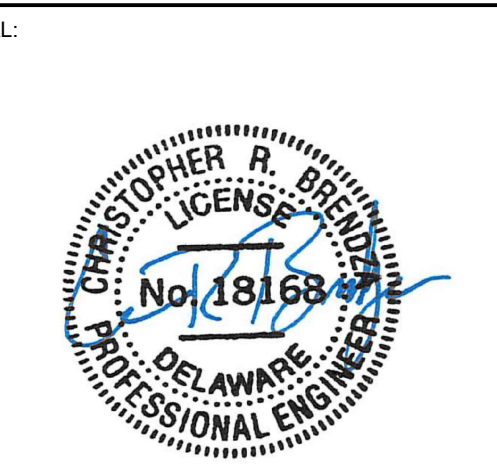
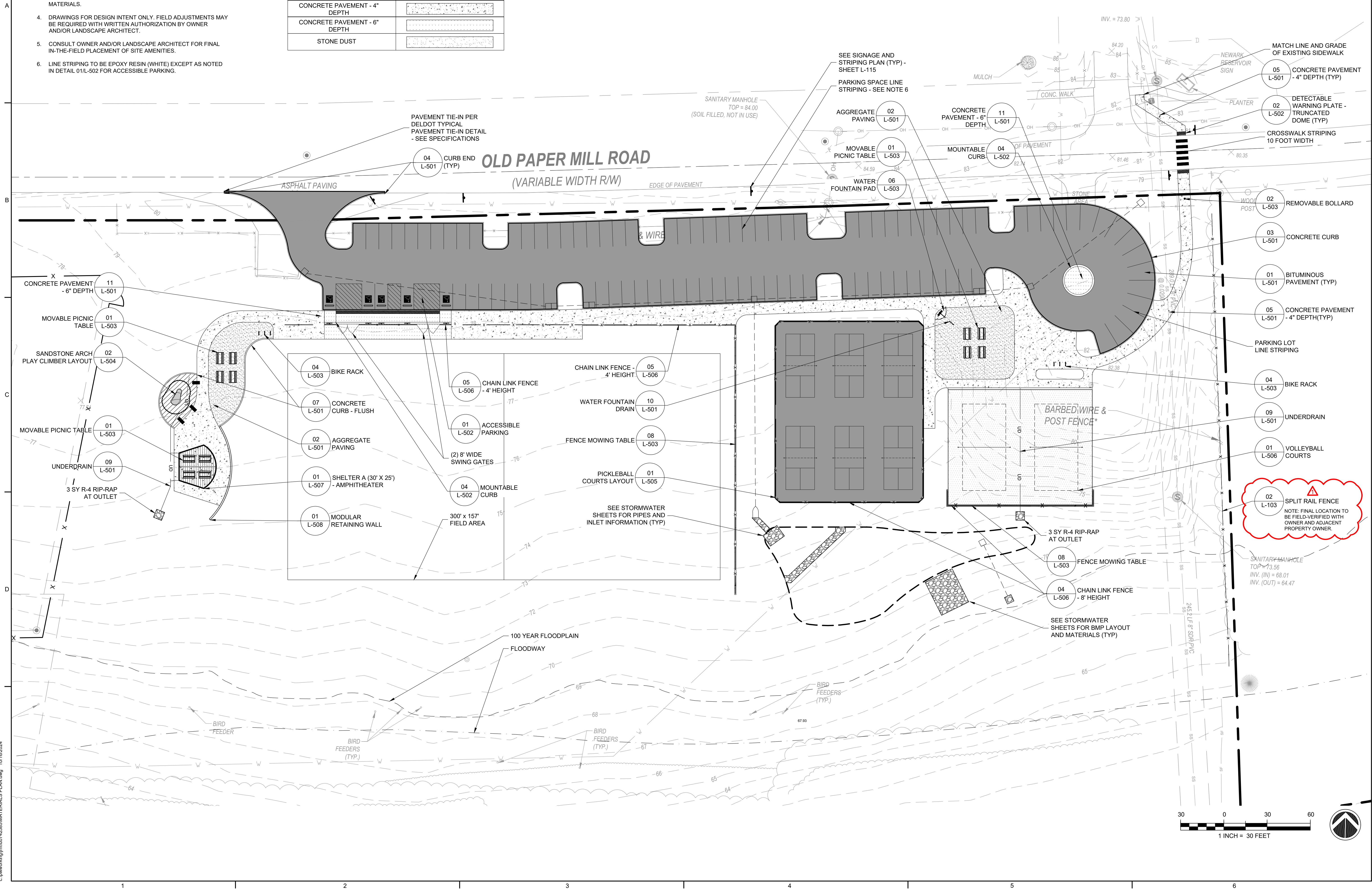
PLAN SET: CONSTRUCTION PLANS

DRAWING TITLE: DEMOLITION PLAN

DRAWING NUMBER: L-104

1. DO NOT SCALE DRAWINGS.
2. ALL DISTURBED AREAS OF SITE WITHOUT PROPOSED SITE FEATURES, SHALL RECEIVE TOPSOIL AND BE SEEDED PER SPECIFICATIONS.
3. THE CONTRACTOR SHALL HAVE ALL REQUIRED SUBMITTAL APPROVALS PRIOR TO BEGINNING THE WORK OF ORDERING MATERIALS.
4. DRAWINGS FOR DESIGN INTENT ONLY. FIELD ADJUSTMENTS MAY BE REQUIRED WITH WRITTEN AUTHORIZATION BY OWNER AND/OR LANDSCAPE ARCHITECT.
5. CONSULT OWNER AND/OR LANDSCAPE ARCHITECT FOR FINAL IN-THE-FIELD PLACEMENT OF SITE AMENITIES.
6. LINE STRIPING TO BE EPOXY RESIN (WHITE) EXCEPT AS NOTED IN DETAIL 011-502 FOR ACCESSIBLE PARKING.

LEGEND	
<u>MATERIALS PLAN</u>	
FENCE	
BITUMINOUS PAVEMENT	
CONCRETE PAVEMENT - 4" DEPTH	
CONCRETE PAVEMENT - 6" DEPTH	
STONE DUST	



PROJECT LOCATION:
19 OLD PAPER MILL ROAD
NEWARK, DE 19711

PROJECT NUMBER:
0-03026-008

E:	SCALE:
9/25/2024	----

CONSTRUCTION PLANS

WORKING TITLE: _____

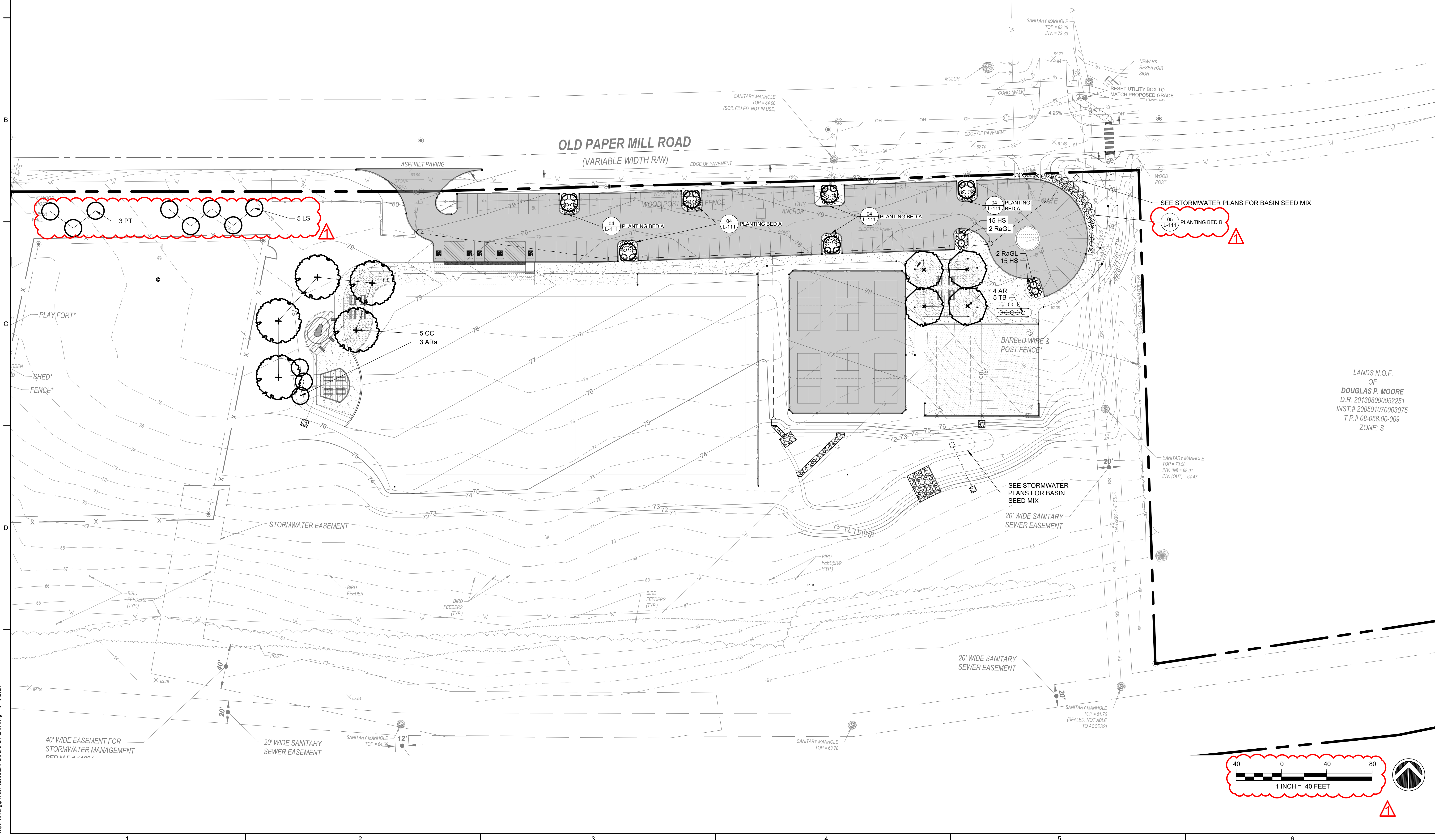
MATERIALS PLAN

DRAWING NUMBER:

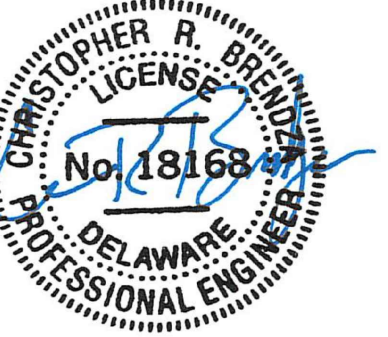
-105

1. LANDSCAPE PLANS ARE ONLY FOR LANDSCAPE PLANTING PURPOSES. REFER TO OTHER PLAN SHEETS FOR GRADING, DRAINAGE, EXISTING TREES TO BE REMOVED, ETC.
2. CONTRACTOR TO COORDINATE WITH OWNER OR THEIR REPRESENTATIVE FOR RELOCATION OF PLANTINGS DUE TO UTILITY CONFLICTS.
3. RESEED ALL DISTURBED AREAS.
4. IF THE QUANTITIES LISTED IN THE PLANTING SCHEDULE DO NOT REFLECT THE QUANTITIES SHOWN IN THE ON THE PLANTING PLAN, PROVIDE THE QUANTITY OF EACH PLANT AS INDICATED ON THE PLANTING PLAN

TREES								
SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACE	MATURE SPREAD	COMMENTS
AR	4	Acer rubrum 'October Glory'	October Glory Red Maple	2" CAL.	B&B	AS SHOWN	30' - 40'	
ARa	9	Acer rubrum 'Armstrong'	Armstrong Red Maple	2" CAL	B&B	AS SHOWN	10' - 15'	COLUMNAR
CC	5	Carya cordiformis	Bitternut Hickory	2" CAL.	B&B/CONT.	AS SHOWN	30' - 50'	
LS	5	Liquidambar styraciflua 'Slender Silhouette'	Slender Silhouette Sweetgum	2.5" CAL.	B&B	AS SHOWN	5' - 6'	
PT	3	Pinus taeda	Loblolly Pine	5' - 6' HT.	B&B	AS SHOWN	20' - 40'	
SHRUBS AND GROUND COVERS								
SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACE	MATURE SPREAD	COMMENTS
HS	84	Hemerocallis 'Stella D'Oro'	Stella D'Oro Daylily	NO. 2 CONT.	CONT.	AS SHOWN	2' - 3'	
RaGL	24	Rhus aromatica 'Gro-Low'	Gro-Low Fragrant Sumac	NO. 3 CONT.	CONT.	AS SHOWN	6' - 8'	
TB	80	Taxus Baccata 'Repadens'	Dwarf English Yew	1' - 6"	B&B	AS SHOWN	4' - 6'	



SEAL:



PREPARED FOR:



REVISIONS

[illegible]

PROJECT:

OLD PAPER MILL ROAD
PARK

PROJECT LOCATION:
219 OLD PAPER MILL ROAD
NEWTON, CT 06458

PROJECT NUMBER:
20-03026-008

DATE:	SCALE:
09/25/2024	----

PLAN SET:

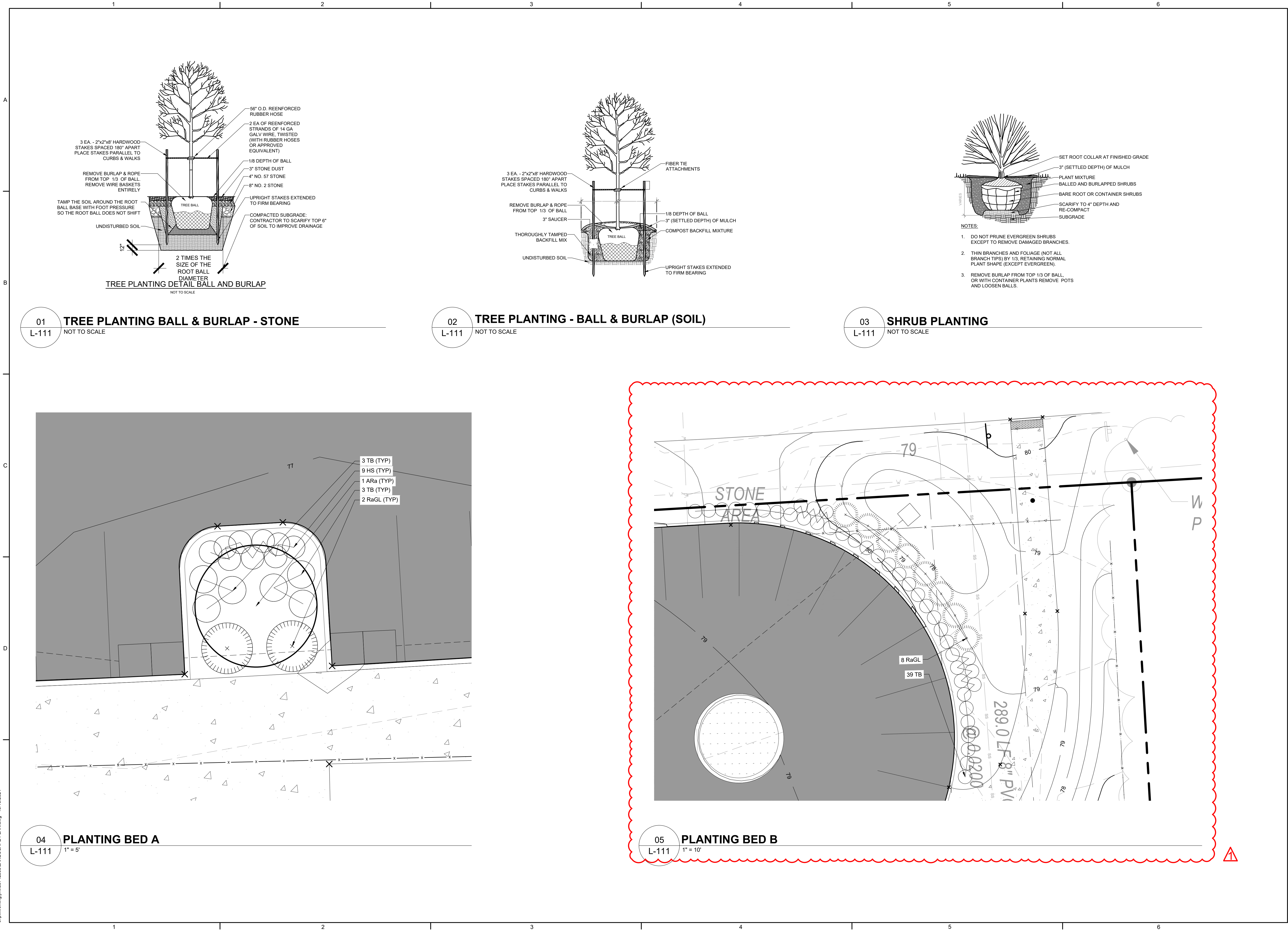
CONSTRUCTION PLANS

DRAWING TITLE:

LANDSCAPE PLAN

DRAWING NUMBER:

-110



121 CONTINENTAL DRIVE, SUITE 300 |
NEWARK, DE 19713
P: (302) 266-9080 | www.jmt.com

SEAL:

PREPARED FOR:

Committed to Service Excellence

REVISIONS

NO.	DATE	DESCRIPTION
1	10/14/24	ADDENDUM 1

PROJECT:
OLD PAPER MILL ROAD
PARK

PROJECT LOCATION:
219 OLD PAPER MILL ROAD
NEWARK, DE 19711

PROJECT NUMBER:
20-03026-008

DATE:
09/25/2024

SCALE:

PLAN SET:
CONSTRUCTION PLANS

DRAWING TITLE:
LANDSCAPE PLAN

DRAWING NUMBER:
L-111

[illegible]



CITY OF NEWARK
ITB 24-14: OLD PAPERMILL ROAD PARK IMPROVEMENTS

**Pre-Bid Meeting Agenda – Municipal Services Building – 220 South Main Street,
Newark DE 19711
1:00 pm, Monday, October 7, 2024**

1. KEY PERSONNEL & INTRODUCTIONS

- Paula Martinson Ennis, Director Parks and Recreation, City of Newark
- Tyler DeBruin, Deputy Director Parks and Recreation, City of Newark
- Herbert White, Parks Superintendent, Parks and Recreation, City of Newark
- Chris Brendza, JMT, Engineer

2. BIDDING ADMINISTRATION INFORMATION

- A. Sign In Sheet: The pre-bid meeting is non-mandatory. Please sign in.
- B. Bid Opening: Tuesday October 29, 2024 at 2:00 pm.
- C. Addenda: An addendum will be issued to address questions and clarify issues discussed at the pre-bid meeting. The addendum will be emailed to all attendees listed on the sign-in sheet AND uploaded to the City of Newark's website.
- D. Questions: Submit questions regarding the bidding process via email to contracts@newark.de.us no later than 5:00 p.m. on Monday, October 21, 2024.

3. SCOPE OF WORK

- A. Work includes installation of:
 - SHPO Fence Protection
 - Parking Lot Installation
 - Amphitheater Area
 - Play Structure
 - Sand Volleyball Courts
 - Pickleball Courts
 - Sidewalk and Connection to Newark Reservoir
 - Stormwater Conveyance System
 - Stormwater Bioretention Area
- B. Anticipated Notice to Proceed is January 2025. Contract duration is 270 calendar days. Liquidated damages are set to \$200 per day.
- C. Unit pricing shall include all incidental costs necessary to complete the scope of work item. This includes, but is not limited to, equipment, manpower, profit, overhead, materials, maintenance of traffic, restoration, etc.

4. QUESTIONS AND ANSWER SESSION

CITY OF NEWARK

Delaware

INVITATION TO BID NO. 24-14

OLD PAPER MILL ROAD PARK IMPROVEMENTS

PROPOSAL

To: City of Newark Mayor and City Council

From: _____

We, the undersigned as a lawfully authorized agent for the bidder named herein has carefully examined the Bid Documents to be known as Invitation to Bid No. 24-14 and binds themself on award to the City of Newark by the Mayor and City Council of Newark, Delaware to execute in accordance with such award, a contract of which this Proposal and said General Provision, Specifications, and any Addenda shall be a part, and to furnish the goods as specified F.O.B. destination (Newark, Delaware) in a manner that is in complete accordance with said General Provisions and Specifications at the following named unit price on or before the delivery period stated below:

1. BID ITEMS

Bidders must provide prices on the Proposal form including all adjustment bid items. The Owner reserves the right to delete from the Contract one or more items listed and the right to add or subtract from the quantity of each item. The total price to be paid will be adjusted in accordance with the Contractor's unit prices as required above. There will be no extra compensation or increase in unit prices in the Proposal if such additions and/or deletions are made to quantities. **The Contractor must submit their schedule of values for each lump sum bid item.**

2. BASIS OF PAYMENT

Payment for these items shall be included in the unit prices for each item as described in the Proposal. All other items, methods, and materials necessary to complete the work described in each pay item shall be incidental to the bid item the work is being completed under.

3. METHOD OF MEASUREMENT AND INCIDENTALS DETERMINATION

The measurement of payment shall be for the removal, disposal, and installation of the materials listed in the Proposal in accordance with the units indicated below. All work required to complete the work outlined in the proposal shall be incidental to the unit cost provided for the item the work is being conducted under.

- A. Bid Item 1 – SHPO Protection Area Fence : The lump sum cost for the installation of the split rail fence as shown on the plans. This bid item includes all costs for the scope of work items shown on the plans and any and all incidental costs required to complete the project per the contract documents.
- B. Bid Item 2 – Demolition: The lump sum cost for the removal, transporting and disposal of all items shown on the plans. This bid item includes all costs for the scope of work items shown on the plans and any and all incidental costs required to complete the project per the contract documents.
- C. Bid Item 3 – Erosion and Sediment Control Measures: The lump sum cost for the installation and maintenance of the erosion and sediment control measures as shown on the plans and as required to complete the scope of work. This bid item includes all costs for the scope of work items shown on the plans and any and all incidental costs required to complete the project per the contract documents.
- D. Bid Item 4 – Park Amenities: The lump sum cost for the construction of the proposed park amenities shown on the project plans, including but not limited to the parking lot, amphitheater area, sand volleyball courts, pickleball courts, stormwater features, and all other items shown on the project plans. This bid item includes all costs for the scope of work items shown on the plans and any and all incidental costs required to complete the project per the contract documents.
- E. Bid Item 5 – Unsuitable Material: The per cubic yard cost for the excavation, and disposal of unsuitable material for any sub-grade preparation. This unit price also includes importing fill, placed in lifts and compacted until the soil has reached 95% of its maximum possible dry density as determined by a Proctor test.

Bid Item	Item Description	Units	Quantity	Unit Price	Total
1	SHPO Protection Area Fence	LS	1		
2	Demolition	LS	1		
3	Erosion and Sediment Control Measures	LS	1		
4	Park Amenities	LS	1		
5	Unsuitable Material	CY	50		
Total Bid:					

Project to be Completed by _____

DATE: _____ BIDDER: _____

By: _____
Legally authorized representative

PRINT NAME: _____

TITLE: _____

ADDRESS: _____

CITY, STATE, ZIP: _____

TELEPHONE: _____

CITY OF NEWARK

Delaware

INVITATION TO BID NO. 24-14

OLD PAPER MILL ROAD PARK IMPROVEMENTS

PROPOSAL (CONT.)

We acknowledge that we **are/are not (circle one)** registered on www.sam.gov. We also acknowledge that there are no exceptions noted against us as outlined on www.sam.gov.

Our unique entity identifier (UEI), as outlined on www.sam.gov is (write N/A if none): _____

We acknowledge receipt of addendum(a) numbers: _____

Exceptions: _____

Contact Information for Notice of Award/Rejection (If different from below): _____

Project to be completed within ~~180~~ 270 days from the Notice to Proceed.

BIDDER: _____ DATE: _____

SUBMITTED BY:

Legally Authorized Representative Signature

Print Name

Title

Address Line 1

Email Address

Address Line 2

Telephone Number

City, State, ZIP Code



June 27, 2024

Amy Fitzgerald, P.E.
Senior Associate
Johnson, Mirmiran & Thompson, Inc.
121 Continental Drive, Suite 300
Newark, DE 19713

RE: Project No. CG.3843.DA
Subsurface Evaluation
Proposed Stormwater Management Area
Old Paper Mill Road Park
Newark, Delaware

Dear Mrs. Fitzgerald:

The following report summarizes the subsurface sampling program performed by CGC Geoservices, LLC (CGCG) for the proposed stormwater management facility at the Old Paper Mill Road Park in Newark, Delaware. The intent of the investigation was to obtain information about the subsurface conditions in the area of the proposed stormwater management basin, and to determine if infiltration design was feasible.

On June 26, 2024, CGC Geoservices performed two (2) Standard Penetration Test borings at the site in the area of the proposed stormwater management basin. The borings, designated B-1 and B-2, were staked in the field by JMT and were extended to depths of 10 feet below grade. The boring locations are shown on the enclosed site plan.

The soil conditions were reviewed and logged by CGC Geoservices' geologist. Boring logs that summarize the conditions encountered are enclosed. Upon completion, the boreholes were backfilled with the soil cuttings mixed with bentonite grout.

In general, the subsurface conditions can be described as consisting of predominately fine-grained soils (silts and clays) overlying medium to dense sand/ gravel/weathered rock conditions to the extent of the borings. Groundwater was observed through the augers in boring B-2 at a depth of 8.5 feet below the ground surface (approximately elevation 63.5, site datum). Groundwater seepage was not observed within the boring depth for boring B-1. The borings were not left open to allow equilibration of the water table in the borehole.

Amy Fitzgerald, P.E.
RE: Project No. CG.3843.DA
June 27, 2024
Page 2



The subsurface conditions encountered at the site are not conducive to infiltration practices. The fine-grained soils would have a low infiltration rate, and the more granular stratum encountered beneath these soils was dense and likely too close to the seasonal high water table to meet design criteria for infiltration basin design. **Based on the conditions observed, infiltration practices are not recommended at this site.** No infiltration testing was performed at the site, based on the test boring results that indicated poor infiltration conditions.

We have appreciated this opportunity to be of service to you on this project. If you have any questions concerning the enclosed or require further information, please contact us.

Very truly yours,

CGC GEOSERVICES, LLC

A handwritten signature in black ink, appearing to read "Stacy B. Ziegler", is written over the printed name.

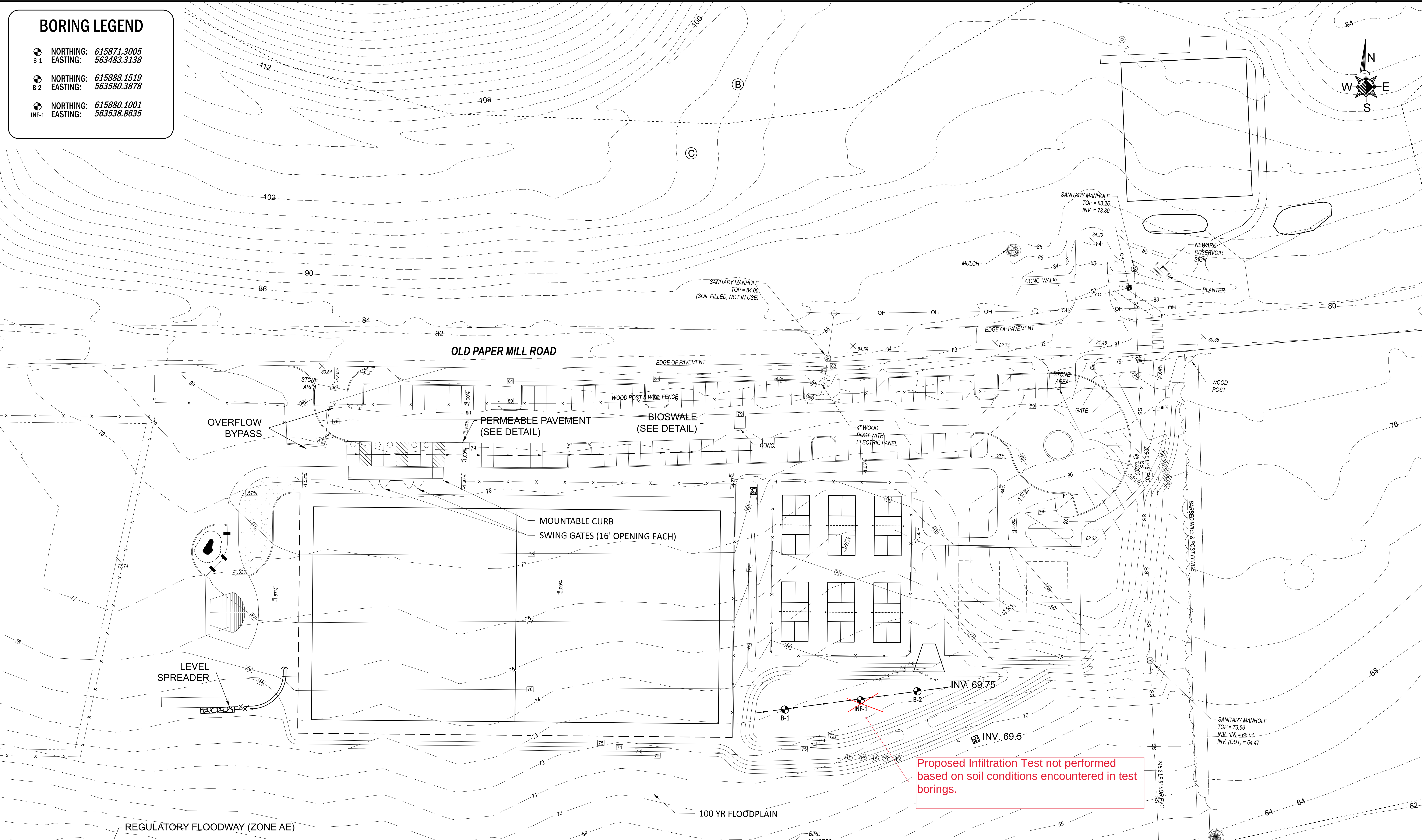
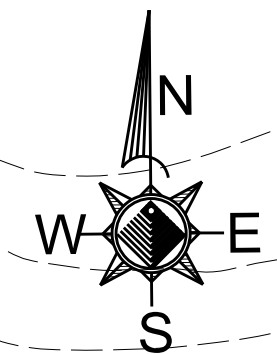
Stacy B. Ziegler, P.E., LEED AP/ BD+C
Senior Geotechnical Engineer

SBZ
WORD\CG3843DA.0624.Old Paper Mill Rd Park SWM Area.RPT

Enclosures: Boring Location Plan
 Test Boring Logs
 General Notes

BORING LEGEND

- ⊙ NORTHING: 615871.3005
B-1 EASTING: 563483.3138
- ⊙ NORTHING: 615888.1519
B-2 EASTING: 563580.3878
- ⊙ NORTHING: 615880.1001
INF-1 EASTING: 563538.8635



MISS UTILITY
OF
DELMARVA

PREPARED BY:



121 Continental Drive, Suite 300 Newark, DE 19713

ENGINEER SEAL

REV.

DESCRIPTION

DRAWN

DATE

PREPARED FOR:



APPROVALS

DRAWN BY: JV
CHECKED BY: AF
ENGINEER:
OPERATIONS:
REVISION:

DATE

6-11-24
6-12-24

CITY OF NEWARK
PUBLIC WORKS & WATER RESOURCES DEPARTMENT

OLD PAPER MILL PARK

SHEET TITLE: BORING REQUEST

SCALE: 1" = 30'

SHEET NO: 1 OF 1

DWG NO.



TEST BORING B-1

(Page 1 of 1)

Subsurface Evaluation
Old Paper Mill Road Park
Newark, Delaware
CG.3843.DA

Date Started : June 26, 2024
Date Completed : June 26, 2024
Logged by : M. Natrin
Weather : Sunny 80s
Driller/Agency : M. Natrin/CGC Geoservices

Drilling Equipment: Geoprobe 7822DT
Drilling Methods : SPT
Surface Elevation : 73 feet

Depth in feet	Surf. Elev. 73 ft	GRAPHIC	USCS	Sample Condition	Water Levels	SAMPLES	Sample Number	Blows per 6 inches	Recovery (ft)	Moisture Content (%)	Percent Passing 200 Sieve	WATER LEVEL
				 Remolded								
0												
72			ML	Brown SILT, trace coarse sand, trace organics (roots) (dry)			S-1	4-6-7-8	1.2			
2				Brown SILT, little fine sand, trace med sand (moist)			S-2	6-7-7-11	1.3			
70			CL	Brown CLAY, little fine sand (moist)			S-3	4-5-5-5	2.0			
4				Brown CLAY trace fine sand, trace med gravel (moist)			S-4	4-5-4-8	1.7			
68			SC	Brown/ Gray fine to medium SAND and broken rock/ GRAVEL, trace clay (moist)			S-5	27-34-28-29	1.1			
6												
66												
8												
64												
10												
62												
12												
60												
14												
58												

NOTES:

- Boring terminated at 10 feet below grade.
- Groundwater not encountered during drilling.
- Upon completion, borehole backfilled with cuttings mixed with grout.



TEST BORING B-2

(Page 1 of 1)

Subsurface Evaluation
Old Paper Mill Road Park
Newark, Delaware
CG.3843.DA

Date Started : June 26, 2024
Date Completed : June 26, 2024
Logged by : M. Natrin
Weather : Sunny 80s
Driller/Agency : M. Natrin/CGC Geoservices

Drilling Equipment: Geoprobe 7822DT
Drilling Methods : SPT
Surface Elevation : 72 feet

Depth in feet	Surf. Elev. 72 ft	GRAPHIC	USCS	Sample Condition	Water Levels	SAMPLES	Sample Number	Blows per 6 inches	Recovery (ft)	Moisture Content (%)	Percent Passing 200 Sieve	WATER LEVEL
				 Remolded	 During Drilling							
0	72		ML	Brown SILT, trace clay, trace organics (roots) (moist)		S-1	2-5-4-4	18.0				
2	70		CL	Brown CLAY, little silt (moist)		S-2	5-4-5-5	1.3				
4	68			Brown CLAY, little silt, trace fine sand (moist)		S-3	2-4-4-4	1.1				
6	66		SC	Brown fine to med SAND and broken rock, little clay, little coarse sand, little fine gravel (moist)		S-4	5-15-23-28	1.4				
8	64			Brown, med to coarse SAND and gravel, some broken/ weathered rock, little clay (moist)		S-5	38-26-25-25	1.2				
10	62											
12	60											
14	58											

NOTES:

- Boring terminated at 10 feet below grade.
- Groundwater encountered through augers at 8.5 feet below grade.
- Upon completion, borehole backfilled with cuttings mixed with grout.

GENERAL NOTES

VISUAL UNIFIED CLASSIFICATIONS: The soil samples are described by color, major constituent, modifiers (by percentage), and density (or consistency). Coarse Grained or Granular Soils have more than 50% of their dry weight retained on a No. 200 sieve; they are described as: boulders, cobbles, gravel or sand. Fine Grained Soils have less than 50% of their dry weight retained on a No. 200 sieve; they are described as: clays or clayey silts if they are cohesive and silts if they are noncohesive. In addition to gradation, granular soils are defined on the basis of their relative in-place density and fine grained soils on the basis of their strength or consistency and their plasticity.

The Unified Soil Classification symbols are:

COARSE GRAINED SOILS

GW - Well graded gravels
GP - Poorly graded gravels
GM - Silty gravels
GC - Clayey gravels
SW - Well graded sands
SP - Poorly graded sands
SM - Silty sands
SC - Clayey sands

SIZE DESCRIPTION

F - Fine
M - Medium
C - Coarse
G - Gravel

COLOR

Or - Orange
Yel - Yellow
Br - Brown

Blk - Black
Gr - Gray
R - Red

FINE GRAINED SOILS

ML - Silts of low plasticity
CL - Clays of low to medium plasticity
OL - Organic silt clays of low plasticity
MH - Silts of high plasticity
CH - Clays of high plasticity
OH - Organic silt clays of high plasticity
PT - Peat and highly organic soils

MODIFIERS (PERCENTAGE)

Tr - Trace 1 - 10%
Ltl - Little 11 - 20%
Some 21 - 35%
& - And 36 - 50%

DENSITY: COARSE GRAINED SOILS

Very loose 4 blows/ft or less
Loose 5 to 10 blows/ft
Medium 11 to 30 blows/ft
Dense 31 to 50 blows/ft
Very Dense 51 blows/ft or more

CONSISTENCY: FINE GRAINED SOILS

Very soft 2 blows/ft or less
Soft 3 to 4 blows/ft
Medium 5 to 8 blows/ft
Stiff 9 to 15 blows/ft
Very stiff 16 to 30 blows/ft
Hard 31 blows/ft or more

NOTE: The Standard Penetration Test "N" value is the number of blows per foot of a 140 pound hammer falling 30 inches on a 2 inch O.D. split spoon sampler, except where otherwise noted.