



**W. M. JORDAN COMPANY'S ADDENDUM NO. 2**

***PROJECT: THE WILMINGTON FOOD BANK CD SET***

***DATE: 12/7/21***

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Please reference this Addendum on the bid form.

1. Reminder to review the "Supplementary Instructions to Bidders". Bids are to be submitted on the **project bid form** per the plans/specifications in conjunction with the trade specific **bid scopes**.
2. Project bid form was included in previous Addendum No.1. See plan room.
3. A sample contract and insurance requirements are posted in the plan room for review. Please pay attention to the insurance coverage amounts.
4. Revised civil drawings C-2.0, C-4.0, C-6.4, L-2.0. Included in this Addendum. See plan room.
5. Question: Will Penco be an acceptable manufacturer for the lockers?  
**Answer: Yes**
6. Question: The locker specification 105113 calls for 4tier lockers. Sheet A1.1 shows 8ea locker frames and has a note for 20ea lockers. Please clarify how many tiers each locker has/confirm total locker count.  
**Answer: A total of 20 lockers are required. (5) four tier units. Information shown on floor plan will be updated to show 5 four tier units and a bench as specified.**
7. Question: Please provide a detail for the 20' gravel drive in regards to stone thickness and any fabric or geogrid required.  
**Answer: A detail has been added to C-6.4. BP-31A to include stone, topsoil as shown. BP-32A Landscaping to include SOD as shown.**
8. Question: Please provide a detail for the wheel alley indicated for the sliding gates.  
**Answer: Use sidewalk detail on sheet C-6.0 and follow note on C-2.0 for dimensions.**
9. Question: Is the cistern system that is being provided/installed by others going to irrigate the landscaping/seed/SOD also or just the garden?  
**Answer: Landscape notes have been updated on L-2.0 to indicate that sod/seed areas not to be included in the cistern areas; Cisterns to irrigate community gardens; BP-32A Landscaping contractor is responsible for design and installation of irrigation for seed/sod areas. Including backflow needed for system.**

10. Question: The trash compactor area concrete platform, pedestrian ramp and trash truck access dimension are in conflict on drawings C-2.0, A0.1, A1.5 and S2.1.  
Please verify the width and length of the concrete platform. Which design is correct?  
Answer: Length and width has been added to C-2.0 and follows the length and width of the structural drawings.
11. Question: Sheet A1.5 shows the width of the trash truck lane to be roughly 11'6" while civil drawing C-2.0 show it much narrower with a strip of asphalt between the curbs at 5' which seems really narrow for a trash truck. Please advise?  
Answer: C-2.0 has been updated to reflect the structural drawings design.
12. Question: Sheet C-2.0 calls for heavy duty concrete paving for the trash truck lane, but doesn't show dimensions on where it stops/starts vs asphalt. Please advise.  
Answer: Sheet C-2.0 has a note explaining that light duty paving will be used for all parking spaces on site while all other paving will consist of heavy duty, which includes travel lanes and the trash truck lane.
13. Question: Sheet A0.1 shows a 5' wide diagonal section of sidewalk from the end of the pedestrian ramp at the trash compactor meeting the sidewalk running parallel with the building. Civil C-2.0 doesn't show this sidewalk. Please advise if this extra sidewalk is needed?  
Answer: Civil drawing C-2.0 has been updated to match sheet A0.1 with the location of the extra sidewalk.
14. Question: The trench drain detail was added to sheet C-6.4 for the loading dock area, but the trench drain does not show up on the plan showing lengths, location, how it connects, where it drains to, etc. Please advise.  
Answer: A note has been added to sheet C-4.0 describing the type of drain, length, and where it drains to as well as truck well pump detail on C-6.4. BP-31A to include in their scope of work.
15. Question: Please provide a bike rack specification and/or model #.  
Answer: Bike rack specification and model number has been added to C-2.0.
16. Question: Sheet C-2.0 shows aluminum fencing around the community garden. This fence was thought to be chain-link fencing through budgeting. Please advise if aluminum fencing is really wanted, or if it is chain-link. If aluminum, please provide detail.  
Answer: The fencing around the community garden is chain link. see note on C-2.0. no detail needed.
17. Question: There are two site retaining walls shown on C2.0. The one near the "truck pull off area" mentions masonry, but the one beside the community garden does not mention type. Please confirm these are both segmental block retaining walls. If there are any specifics for these units please advise as there are no specifications associated with any site work.  
Answer: A note has been added to C-2.0 confirming segmental block retaining walls and references sheet C-4.0.

18. Question: The retaining wall near the "truck pull of area" does not give height. Please advise.

Answer: Revised sheet C-4.0 give top of wall and bottom of wall heights.

19. Question: Specifications don't mention any color requirements on the racking. Please advise if suppliers standard colors are acceptable?

Answer: Standard colors are acceptable.

20. Question: Please provide additional info on the "accessories" noted in specification 105613-G-1 & 2

a. With the finished end panels and trim, are you looking for mech end panels attached to the sides of the uprights?

b. When you say "back ledges", are you referring to backstop beams? If so, what offset are you looking for?

Answer: The need and/or use of accessories noted in G.1 and G.2 are depended upon structural requirements discussed in section 1.2.

a--End panels are not required. Please disregard references to providing and installing end panels.

b--Back ledges referring to "pallet stop beam" as identified by Husky Rack and Wire; with 6" offset.

21. Question: Schedule note E says to coordinate HVAC curb height with roofing contractor. Can you find out how tall our curbs are supposed to be?

Answer: Firestone requires 8" of flashing from the membrane - so depending on how these curbs are going to mount (i.e. if they are mounting to the deck) we would need the insulation thickness (5 5/8") plus a min. 8".

22. Question: Scope of Work **BP-08B** line 5 calls for water testing. Can we self-perform this testing following the guidelines of AAMA 501.2 (Quality Assurance and Diagnostic Water Leakage Field Check of Installed Storefronts, Curtain Walls, and Sloped Glazing Systems)?

Answer: Yes, but it has to follow those AAMA guidelines and the locations have to be approved by WMJ and design team.

23. Question: Scope of work refers to BP-31A being responsible for underslab stone. Can you confirm BP-31A is to import 4" of #57 stone for installation by BP-03A?

Answer: BP-31A is to import the under-slab stone. Reference S2.1 on thicknesses (2 different thicknesses) BP-03A is to put into place.

24. Question: Can you confirm what elevation we are to leave the building SOG at? Looks like FFE is 21.00, but there are different slab profiles

Answer: Reference C-2.0 shows FFE 21, also reference Addendum #1, one location is raised 6" higher. For slab on grade and stone thicknesses reference S2.1.(2 different thicknesses)

25. Question: Scope of work references furnishing water meters. I understand we'll install the setters, but I assume the actual meters will be provided & installed by CFPUA?

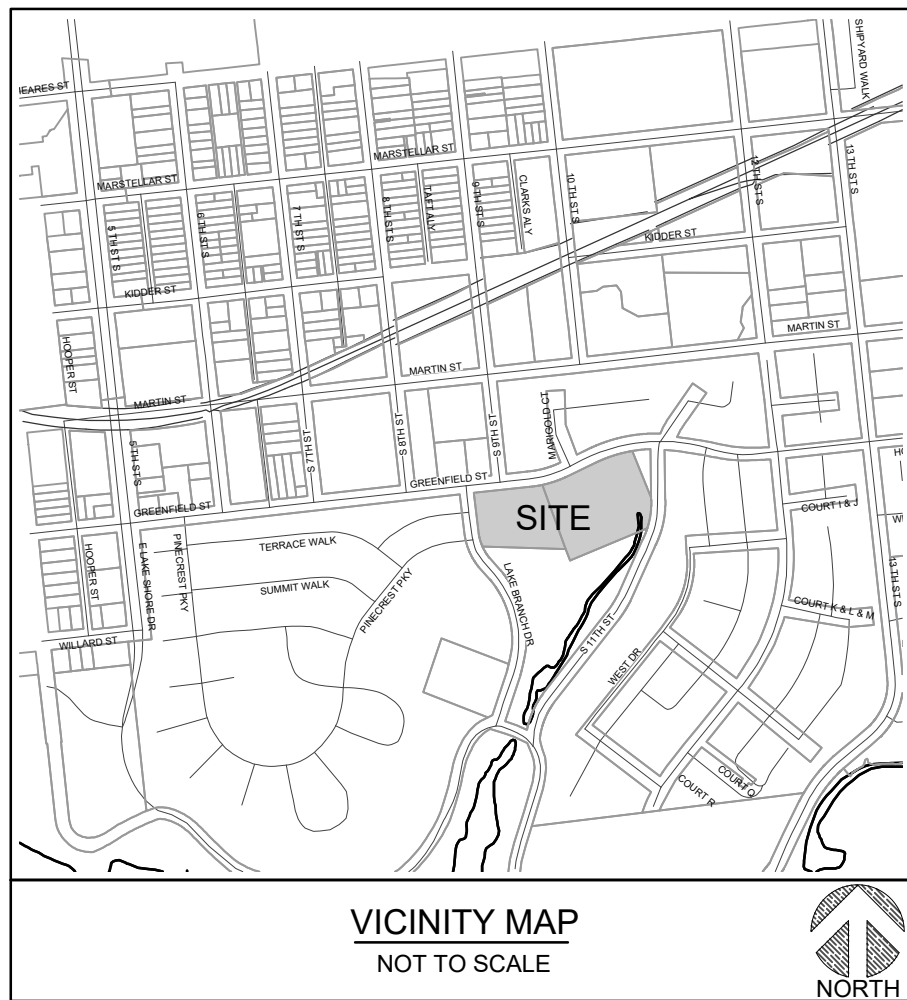
Answer: BP-31A to purchase and install the meters. CFPUA won't provide them.

26. Question: Typically piping is 5' from the building. Key note 2 on PW1.1 shows main shut off in valve box. Will Civil be installing that and making final connection for water, sewer, grease & storm?

Answer: BP-31A to include main shut off in valve box.

27. Due to pending RFI questions the project bid date has been revised to 12/17/21 @ 2PM. Further clarifications/RFI answers are forthcoming.





**SITE DATA:**

PROJECT ADDRESS: 1000 GREENFIELD STREET  
PARCEL ID: R05418-004-004-000  
R05418-004-001-000

CURRENT ZONING: UMX

PROPOSED USE: FOOD PANTRY & DISTRIBUTION

PROJECT SITE AREA: ± 5.141 ACRES (± 223,942SF)

OWNER INFORMATION: FOOD BANK OF CENTRAL & EASTERN NC  
1924 CAPITAL BLVD  
RALEIGH, NC 27604

FLOOD INFORMATION: THIS PARCEL IS NOT LOCATED IN A FEMA FLOOD ZONE

CAMA LAND USE CLASSIFICATION: URBAN

PROPOSED BUILDING SIZE: ± 32,000 SF

PROPOSED LOT COVERAGE: 14.3% (± 32,000 SF / ± 223,942 SF)

BUILDING CONSTRUCTION TYPE: TYPE 5B-SPRINKLED

PROPOSED DISTURBED AREA: ±140,000 SF

**DIMENSIONAL REQUIREMENTS:**  
UMX DISTRICT  
SITE DOES NOT BORDER SINGLE FAMILY RESIDENTIAL DISTRICTS - NO MINIMUM BUILDING SETBACKS ARE REQUIRED

MINIMUM LOT AREA: NONE INSIDE 1945  
CORPORATE LIMIT; 5 AC. OUTSIDE

MAXIMUM FRONT SETBACK: 10'  
MAXIMUM BUILDING HEIGHT: 35' or 2-STORIES  
PROPOSED BUILDING HEIGHT: 30' / 1-STORY

\*SEE PLAN FOR PROPOSED SETBACKS

**PARKING DATA:**  
THERE ARE NO MINIMUM PARKING REQUIREMENTS PARKING SHALL NOT EXCEED 1 SPACE / 200 SF (SOCIAL SERVICES)

BUILDING SF: ±32,000 SF  
MAX PARKING ALLOWED: 160 SPACES  
TOTAL PARKING PROVIDED: 73 SPACES

BICYCLE PARKING (SEC. 18-5528)  
TOTAL REQUIRED: 32 SPACES  
1 SPACES / 1,000 SF  
TOTAL PROVIDED: 35 SPACES

ADA PARKING  
TOTAL REQUIRED: 3 SPACES  
TOTAL PROVIDED: 4 SPACES

**TRAFFIC / TRIP GENERATION:**  
1. THERE ARE NO COMPARABLE USES IN THE TRIP GENERATION BOOK, HOWEVER THE INTENDED USE IS EXPECTED TO HAVE MINIMAL TRAFFIC IMPACT  
2. NO TIA IS REQUIRED

**IMPERVIOUS DATA:**

EXISTING IMPERVIOUS: 43,164 SF  
EXISTING IMPERVIOUS TO BE REMOVED: 43,164 SF  
PROPOSED BUILDINGS: 32,000 SF  
PROPOSED PARKING & SIDEWALKS: 54,121 SF  
TOTAL NEW IMPERVIOUS: 86,121 SF (38%)  
TOTAL NET IMPERVIOUS: 42,957 SF

**HISTORICAL & ARCHAEOLOGY NOTES**  
1. NO KNOWN HISTORIC OR ARCHEOLOGICAL SITES EXIST.

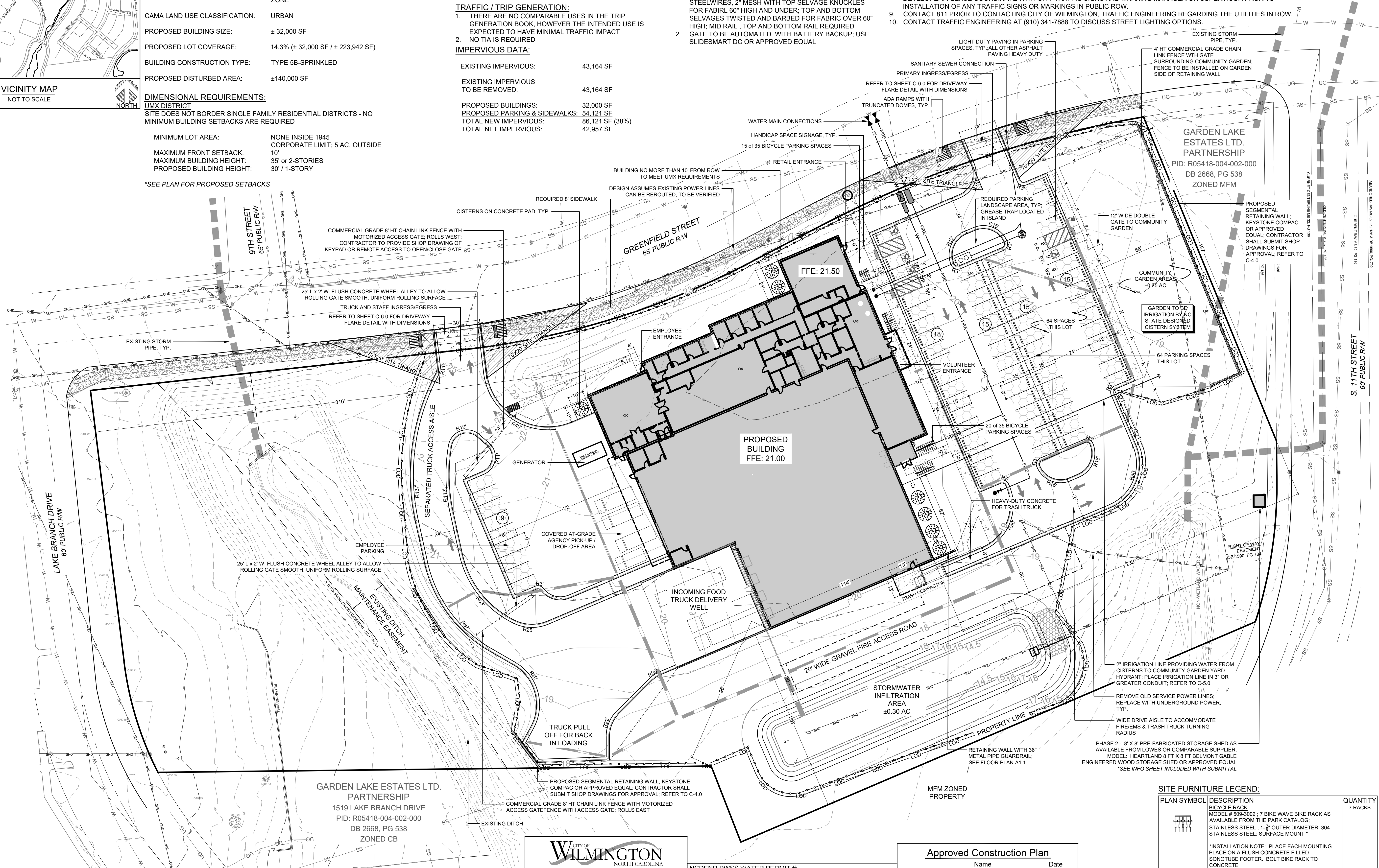
**CONSERVATION RESOURCES**  
1. NO KNOWN CONSERVATION RESOURCES EXIST ON SITE. ADDITIONAL DETERMINATION WILL OCCUR DURING CITY REVIEW PROCESS

**CAMA AREAS OF ENVIRONMENTAL CONCERNS**  
1. NO KNOWN CAMA AEC EXIST ON SITE

**SOLID WASTE**  
1. SOLID WASTE WILL BE HANDLED WITH THE PROPOSED TRASH COMPACTOR AND REMOVAL BY THE CITY OF WILMINGTON

**FENCE NOTE**  
1. CHAIN LINK FENCE TO BE 9 GA. OR HIGHER GALVANIZED STEELWIRES, 2" MESH WITH TOP SELVAGE KNUCKLES FOR FABIRL 60" HIGH AND UNDER; TOP AND BOTTOM SELVAGES TWISTED AND BARBED FOR FABRIC OVER 60" HIGH; MID RAIL, TOP AND BOTTOM RAIL REQUIRED  
2. GATE TO BE AUTOMATED WITH BATTERY BACKUP; USE SLIDESMART DC OR APPROVED EQUAL

**GENERAL NOTES**  
1. SITE PLAN WAS REVIEWED IN A CONCEPTUAL TRC REVIEW 3/18/21. THIS PLAN ADDRESSES COMMENTS RECEIVED AT THAT MEETING, BUT IS NOT AN APPROVED PLAN.  
2. CONTRACTOR SHALL MAINTAIN AN ALL-WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION  
3. LANDSCAPING OR PARKING CANNOT BLOCK OR IMPEDE THE FDC OR FIRE HYDRANTS. A 3-FOOT CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF THE HYDRANT AND FDC  
4. ADDITIONAL FIRE PROTECTION AND ACCESSIBILITY REQUIREMENTS MAY BE REQUIRED DUE TO ANY SPECIAL CIRCUMSTANCES CONCERNING THE PROJECT.  
5. CONTRACTOR SHALL SUBMIT A RADIO SIGNAL STRENGTH STUDY FOR ALL COMMERCIAL BUILDINGS THAT DEMONSTRATES THAT EXISTING EMERGENCY RESPONDER RADIO SIGNAL LEVELS MEET SECTION 510 REQUIREMENTS OF THE 2018 NC FIRE CODE.  
6. NEW HYDRANTS MUST BE BROUGHT INTO SERVICE PRIOR TO COMBUSTIBLE MATERIALS DELIVERED TO THE JOB SITE.  
7. ALL PROPOSED VEGETATION WITHIN SIGHT TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISUAL SIGHT LINES FROM 30' - 10' PER SECTION 18-556 COW LOC.  
8. ANY REQUIRED INSTALLATION OR RELOCATION OF TRAFFIC SIGNS IS THE RESPONSIBILITY OF THE PROJECT DEVELOPER. PLEASE COORDINATE WITH CITY TRAFFIC SIGNS AND MARKING MANAGER OR SUPERVISOR PRIOR TO INSTALLATION OF ANY TRAFFIC SIGNS OR MARKINGS IN PUBLIC ROW.  
9. CONTACT 811 PRIOR TO CONTACTING CITY OF WILMINGTON, TRAFFIC ENGINEERING REGARDING THE UTILITIES IN ROW.  
10. CONTACT TRAFFIC ENGINEERING AT (910) 341-7888 TO DISCUSS STREET LIGHTING OPTIONS.



GARDEN LAKE ESTATES LTD. PARTNERSHIP  
1519 LAKE BRANCH DRIVE  
PID: R05418-004-002-000  
DB 2668, PG 538  
ZONED CB

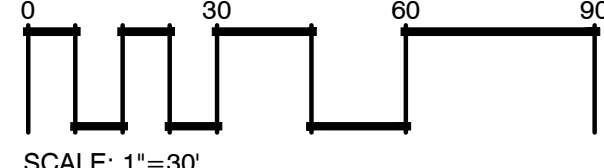
**CITY OF WILMINGTON**  
NORTH CAROLINA  
Public Services • Engineering Division  
APPROVED STORMWATER MANAGEMENT PLAN  
Date: \_\_\_\_\_ Permit # \_\_\_\_\_  
Signed: \_\_\_\_\_

NCDENR PWSS WATER PERMIT #: \_\_\_\_\_ GPD  
WATER CAPACITY: \_\_\_\_\_ GPD  
DWQ SEWER PERMIT #: \_\_\_\_\_ GPD  
SEWER CAPACITY: \_\_\_\_\_ GPD  
SEWER SHED # AND PLANT: \_\_\_\_\_  
SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE)

**Approved Construction Plan**  
Name \_\_\_\_\_ Date \_\_\_\_\_  
Planning \_\_\_\_\_  
Traffic \_\_\_\_\_  
Fire \_\_\_\_\_

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

SITE FURNITURE LEGEND:		
PLAN SYMBOL	DESCRIPTION	QUANTITY
	BICYCLE RACK MODEL # 509-3002: 7 BIKE WAVE BIKE RACK AS AVAILABLE FROM THE PARK CATALOG; STAINLESS STEEL, 1-1/2" OUTER DIAMETER; 304 STAINLESS STEEL; SURFACE MOUNT *	7 RACKS
*INSTALLATION NOTE: PLACE EACH MOUNTING PLATE ON A FLUSH CONCRETE FILLED SONOTUBE FOOTER. BOLT BIKE RACK TO CONCRETE		



REVISIONS:	11/18/21	12/2/21
REV. 1 ADDITIONAL NOTES ADDED		
REV. 2 REI INFORMATION UPDATES		

CLIENT INFORMATION:  
FOOD BANK OF CENTRAL & EASTERN NORTH CAROLINA  
1924 CAPITAL BLVD.  
RALEIGH, NC 27604

**PARAMOUNT ENGINEERING**  
122 Cinema Drive  
Wilmington, North Carolina 28403  
(910) 791-6707 (O) (910) 791-6760 (F)  
NC License #: C-2846

**SITE PLAN**  
THE WILMINGTON FOOD BANK  
GREENFIELD STREET  
WILMINGTON, NORTH CAROLINA

PROJECT STATUS:  
CONCEPTUAL LAYOUT:  
PRELIMINARY LAYOUT:  
RELEASED FOR CONST:

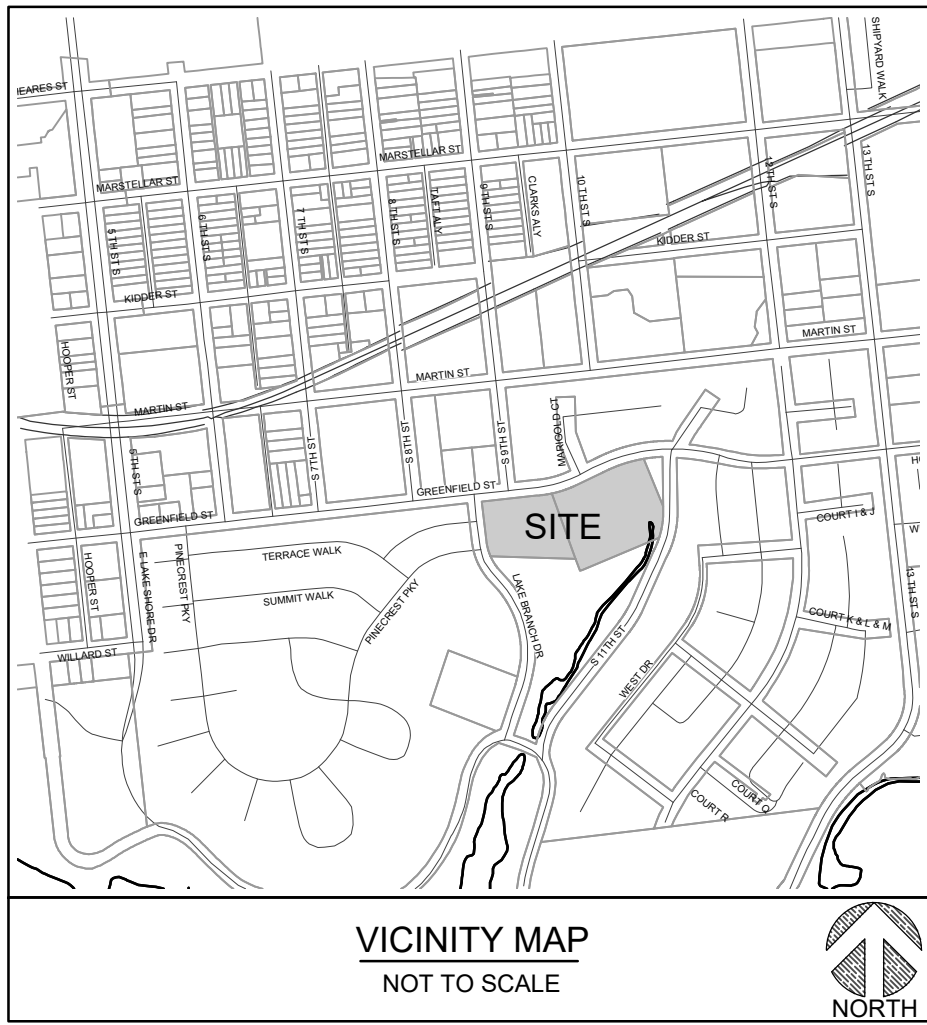
DRAWING INFORMATION  
DATE: 10/13/21  
1"=30'  
A/E: JRC  
D/E: JRC  
C/D: JRC

SEAL  
CITY OF WILMINGTON  
ENGINEER  
GERALD J. BURTS  
050783  
10/13/2021

**C-2.0**  
PEI JOB#: 20484.PE

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION





#### LEGEND:

INLET PROTECTION PROVIDED FOR ALL PROPOSED CATCH BASIN AND DROP INLETS (SEE DETAILS)

#### SPOT GRADE LEGEND:

CB = CATCH BASIN  
DCB = DOUBLE CATCH BASIN  
DI = DROP INLET  
DDI = DOUBLE DROP INLET  
YI = YARD INLET  
MH = STORM MANHOLE  
TC = TOP OF CURB ELEVATION  
QC = GUTTER CURB (FLOW LINE) ELEVATION  
PG = PROPOSED GRADE (GROUND)  
EP = EDGE OF PAVEMENT  
EC = EDGE OF CONCRETE  
HP = HIGH POINT ELEVATION  
LP = LOW POINT ELEVATION  
TW = TOP OF WALK (SIDEWALK) ELEVATION  
DG = DITCH GRADE ELEVATION  
CL = CENTERLINE  
INV = INVERT  
FES = FLARED END SECTION  
TWL = TOP OF WALL ELEVATION  
BWL = BOTTOM OF WALL ELEVATION  
(EG) = EXISTING GRADE  
(XX) = EXISTING ELEVATIONS, TYP.

#### STORM DRAINAGE SCHEDULE:

Upstream Node	Downstream Node	Diameter (in)	Upstream Invert	Downstream Invert	Pipe Length (ft)	Slope (%)	Upstream Rim Elev.	Downstream Rim Elev.	Pipe Material
MH-101	FES-100	36	14.59	14.50	29.74	0.30	18.50	14.50	RCP III
MH-102	MH-101	24	14.81	14.59	74.26	0.30	18.28	18.50	RCP III
CB-103	MH-102	18	14.97	14.81	51.02	0.31	17.82	18.28	RCP IV
CB-104	CB-103	15	15.14	14.97	55.44	0.30	17.78	17.82	RCP IV
CB-105	MH-102	24	15.11	14.81	99.07	0.30	20.22	18.28	RCP III
CB-106	CB-105	18	15.32	15.11	68.65	0.31	20.42	20.22	RCP III
CB-107	CB-106	18	15.39	15.32	22.44	0.31	21.35	20.42	RCP III
CB-108	CB-107	15	15.46	15.39	24.34	0.29	19.82	21.35	RCP III
CB-109	CB-105	15	16.15	15.11	104.27	1.00	20.72	20.22	RCP III
DI-110	CB-109	15	16.49	16.15	33.99	1.00	19.68	20.72	RCP III
MH-120	MH-101	24	15.07	14.59	160.25	0.30	18.41	18.50	RCP III
CB-121	MH-120	24	15.12	15.07	17.02	0.29	18.64	18.41	RCP III
CB-122	CB-121	24	15.25	15.12	43.40	0.30	18.86	18.64	RCP III
CB-123	CB-122	15	15.51	15.25	85.36	0.30	20.21	18.86	RCP III
DI-124	CB-123	15	15.54	15.51	10.63	0.30	20.42	20.21	RCP III
CB-125	CB-122	18	15.43	15.25	59.86	0.30	18.89	18.86	RCP III
CB-126	CB-125	18	15.56	15.43	43.96	0.30	18.01	18.89	RCP IV
CB-127	CB-126	18	15.65	15.56	28.74	0.31	18.15	18.01	RCP IV
CB-128	CB-127	18	15.83	15.65	60.41	0.30	18.36	18.15	RCP IV
CB-129	CB-128	18	15.99	15.83	54.18	0.30	18.42	18.36	RCP IV
CB-130	CB-128	15	16.07	15.83	78.69	0.30	19.23	18.36	RCP IV
TRENCH	MH-101	8	14.68	14.59	31.00	0.30	17.00	18.50	HDPE

#### GRADING NOTES:

- SITE CONTRACTOR SHALL STRIP TOPSOIL AND ANY UNSUITABLE MATERIAL AND PROVIDE STOCKPILE LOCATIONS ON SITE IF NOT SPECIFIED. SEE GENERAL NOTES SHEET (C-1.0, TYP.) FOR GRADING, DRAINAGE, AND EROSION CONTROL SEQUENCE NOTES AND REQUIREMENTS. IN ADDITION, REFERENCE TECHNICAL SPECIFICATIONS AND DETAIL SHEETS FOR MORE INFORMATION.
- SEE GRADING AND DRAINAGE PLANS FOR FINISH GRADES AND STORM PIPE SCHEDULE.
- A GEOTECHNICAL ENGINEER OR INSPECTORS SHALL BE CONSULTED TO CONFIRM SUITABILITY OF SUBGRADE MATERIAL AND PROPER COMPACTION PER EARTHWORK SPECIFICATIONS IN FILL AREAS.

#### ASPHALT AREA NOTE:

- SITE CONTRACTOR SHALL STRIP TOPSOIL AND ANY UNSUITABLE MATERIAL AND PROVIDE CUT/FILL OPERATIONS TO PROVIDE A COMPACTED CONTROLLED SUBGRADE, IN ACCORDANCE WITH THE SUBSURFACE GEOTECHNICAL EXPLORATION AND/OR TECHNICAL SPECIFICATIONS.

#### BUILDING PAD NOTE:

- SITE CONTRACTOR SHALL STRIP TOPSOIL AND ANY UNSUITABLE MATERIAL AND PROVIDE CUT/FILL OPERATIONS TO PROVIDE A COMPACTED CONTROLLED BUILDING PAD, IN ACCORDANCE WITH THE SUBSURFACE GEOTECHNICAL EXPLORATION AND/OR TECHNICAL SPECIFICATIONS.

#### DRAINAGE NOTES:

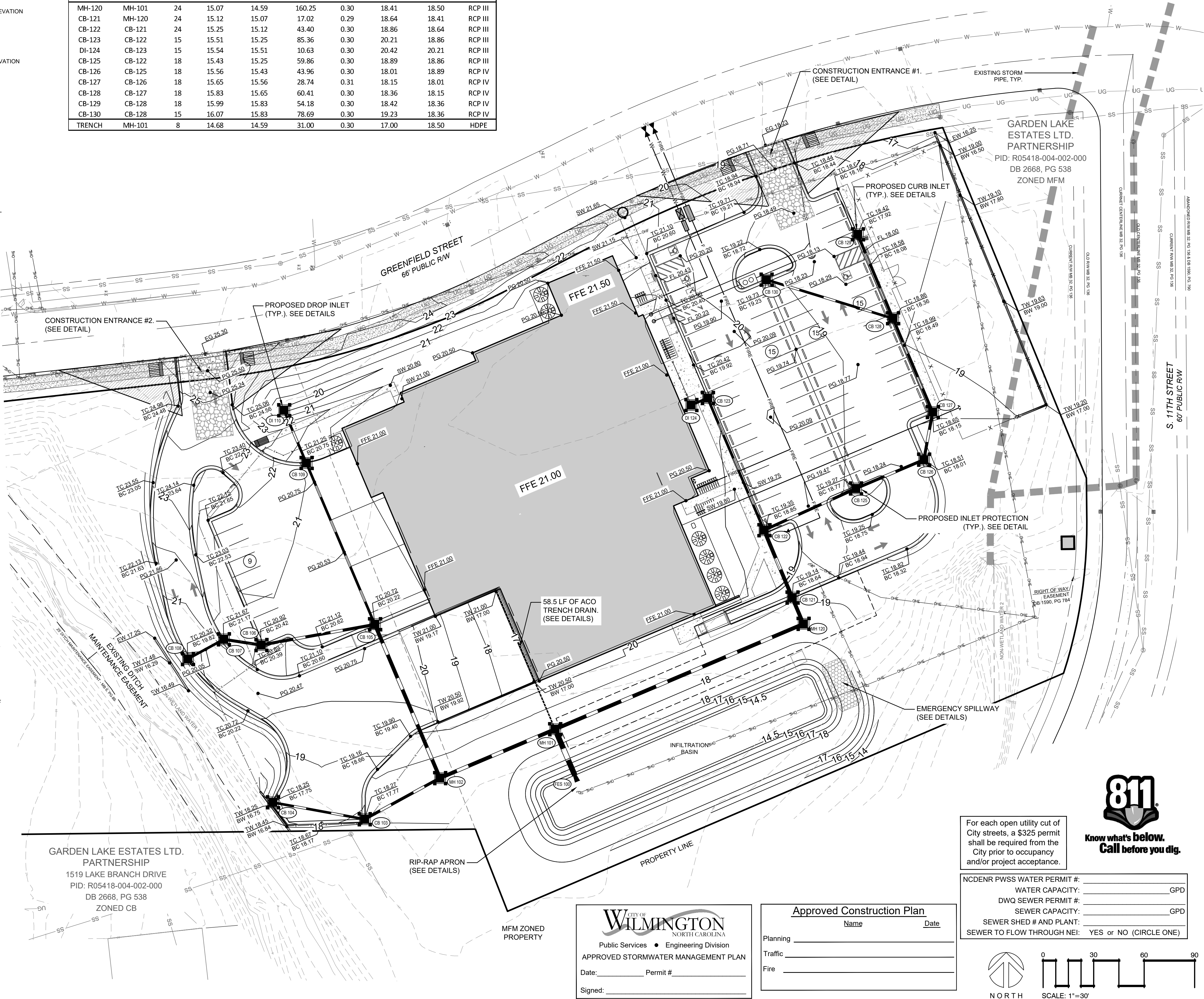
- DRAINAGE EASEMENTS AND THE STORM DRAINAGE INSIDE THE EASEMENT IS THE RESPONSIBILITY OF THE CITY OF WILMINGTON AS DESCRIBED UPON THE FINAL PLAT AND THESE DRAWINGS.
- ALL IMPERVIOUS MUST DRAIN TO THE DESIGNED STORMWATER SYSTEM UNLESS THE APPROVED PLANS SHOW OTHERWISE.
- NO OBSTRUCTIONS ARE ALLOWED IN DRAINAGE EASEMENTS, INCLUDING FENCES.
- ALL PUBLIC STORM DRAINAGE STRUCTURES SHALL MEET NCDOT STANDARDS AND SPECIFICATIONS AND SHALL BE TRAFFIC RATED FOR H-20 LOADS AT A MINIMUM. PRIVATE DRAINAGE SYSTEMS SHALL BE PER APPROVED PLANS AND SPECIFICATIONS.
- ALL CURB INLET (CI) RIM ELEVATIONS ARE LISTED AS THE "GUTTER OF FLOWLINE ELEVATION" WITHIN THE CURB SECTION. THE CURB INLET RIM ELEVATION SHALL BE 2 INCHES BELOW EDGE OF PAVEMENT (EOP) PER NCDOT DETAILS. FOR DROP INLETS, THE RIM ELEVATION IS LISTED AS THE CENTER OF GRATE FOR DROP INLETS. THE CONTRACTOR SHALL MAINTAIN A UNIFORM EDGE OF PAVEMENT (EOP) WHEN PLACING THE STORM INLETS WITHIN THE CURB-LINE.
- MANHOLE RIM ELEVATION SHOWN ABOVE IS FLUSH WITH PROPOSED GRADE. CONTRACTOR SHALL PROVIDE 3'-6" CLEARANCE ABOVE PROPOSED GRADE WHEN PLACED IN A GRASS/PERVIOUS AREA; AND A FLUSH CONDITION WITH PROPOSED PAVEMENT OR IMPERVIOUS COVER.
- PROPOSED BUILDINGS SHALL DIVERT ROOF DRAINAGE TO STORMWATER CISTERN SYSTEM OR DIVERTED INTO THE STORMWATER COLLECTION SYSTEM AS SHOWN. SEE CIVIL OR ARCHITECTURAL DETAILS FOR DOWNSPOUT DETAILS AND CONNECTIONS.
- CONTRACTOR SHALL ADJUST ALL FRAMES OF EX. UTILITY INFRASTRUCTURE WITHIN ASPHALT OVERLAY AREAS TO MATCH PROPOSED GRADES.
- THE CONTRACTOR SHALL USE STORM PIPE PER THE SPECIFICATIONS (TYPICALLY CONCRETE OR HDPE PIPE). EITHER WAY THE CONTRACTOR SHALL FOLLOW THE TRENCH DETAILS AND SPECIFICATIONS, AND THE PIPE MANUFACTURER SPECIFICATIONS.

#### AS-BUILT STORMWATER NOTE [15A NCAC 02H.1044]:

- THE CONTRACTOR WILL EMPLOY A LAND SURVEYOR LICENSED IN THE STATE OF NORTH CAROLINA TO PROVIDE ACCURATE REPRODUCIBLE AS-BUILT DRAWINGS OF THE WET DETENTION BASIN, COLLECTION SYSTEM, AND IMPERVIOUS AREA ON THE SITE TO THE ENGINEER & OWNER UPON COMPLETION OF CONSTRUCTION. UPON CERTIFICATION BY THE ENGINEER AND VERIFICATION FROM THE OWNER ANY DISCREPANCIES WILL BE INDICATED, THEN THESE PLANS SHALL BE RETURNED TO THE CONTRACTOR FOR CORRECTION PRIOR TO FINAL PAYMENT AND FINAL INSPECTION.

#### GENERAL NOTES:

- INSTALL REFLECTORS PER CITY AND NCDOT STANDARDS. TRAFFIC ENGINEERING MUST APPROVE OF PAVEMENT MARKING LAYOUT PRIOR TO ACTUAL STRIPING.
- IT SHALL BE THE RESPONSIBILITY OF THE SUBDIVIDER TO ERECT OFFICIAL STREET NAME SIGNS AT ALL INTERSECTIONS ASSOCIATED WITH THE SUBDIVISION IN ACCORDANCE WITH THE TECHNICAL STANDARDS AND SPECIFICATIONS MANUAL. THE SUBDIVIDER MAY ACQUIRE AND ERECT OFFICIAL STREET NAME SIGNS OR MAY CHOOSE TO CONTRACT WITH THE CITY TO INSTALL THE STREET SIGNS AND THE SUBDIVIDER SHALL PAY THE TRAFFIC AND STREET NAME SIGNS. PROPOSED STREET NAMES MUST BE APPROVED PRIOR TO INSTALLATION OF STREET NAME SIGNS.
- ALL SIGNS AND PAVEMENT MARKINGS IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.
- CONTACT TRAFFIC ENGINEERING FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT-OF-WAY. 910-341-3258



WILMINGTON  
NORTH CAROLINA  
Public Services • Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

Date: \_\_\_\_\_ Permit # \_\_\_\_\_

Signed: \_\_\_\_\_

#### Approved Construction Plan

Name \_\_\_\_\_ Date \_\_\_\_\_

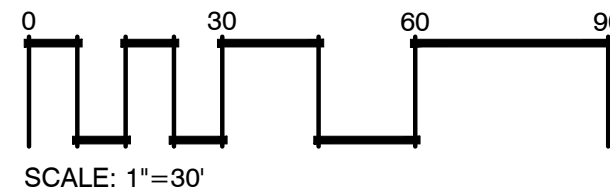
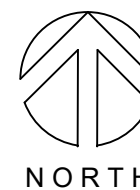
Planning \_\_\_\_\_

Traffic \_\_\_\_\_

Fire \_\_\_\_\_

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

NCDENR PWSS WATER PERMIT #: \_\_\_\_\_  
WATER CAPACITY: \_\_\_\_\_ GPD  
DWQ SEWER PERMIT #: \_\_\_\_\_  
SEWER CAPACITY: \_\_\_\_\_ GPD  
SEWER SHED # AND PLANT: \_\_\_\_\_  
SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE)



FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

GRADING & DRAINAGE -  
EC PHASE 2  
THE WILMINGTON FOOD BANK  
GREENFIELD STREET  
WILMINGTON, NORTH CAROLINA

PARAMOUNT  
ENGINEERING, INC.  
122 Cinema Drive  
Wilmington, North Carolina 28403  
(910) 791-6707 (O) (910) 791-6760 (F)  
NC License #: C-2846

CLIENT INFORMATION:  
FOOD BANK OF CENTRAL &  
EASTERN NORTH CAROLINA  
1924 CAPITAL BLVD.  
RALEIGH, NC 27604

REVISIONS:

REV. 1 ADDITIONAL NOTES ADDED 11/18/21

PROJECT STATUS  
CONCEPTUAL LAYOUT  
PRELIMINARY LAYOUT  
RELEASED FOR CONST.

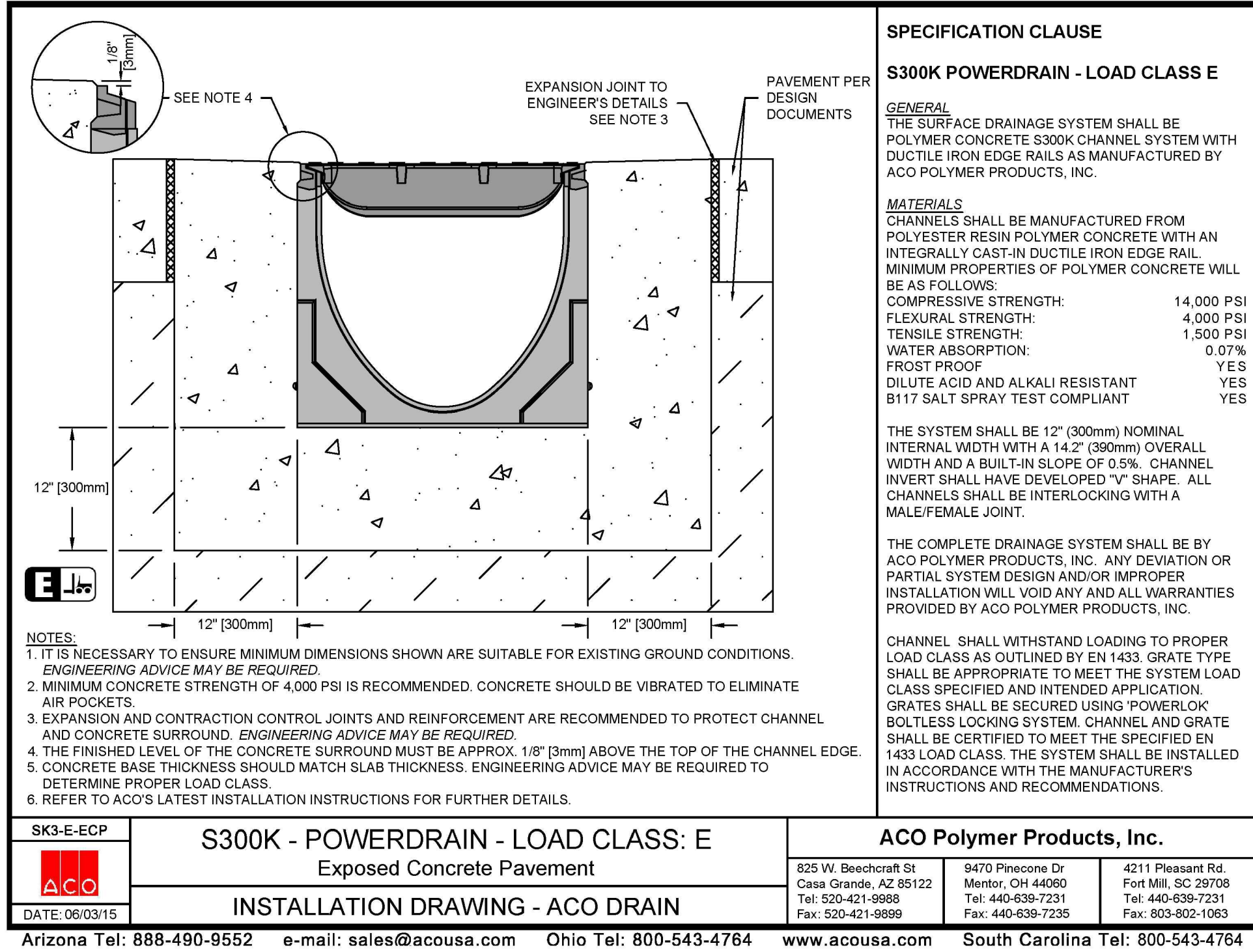
DRAWING INFORMATION  
DATE: 10/13/2021  
DRAWN: T. C. BURG  
CHECKED: C. B. BURG  
CREATED: C. B. BURG

SEALED  
NORTH CAROLINA  
Professional Engineer  
GRALD J. BURG  
050783  
10/13/2021

C-4.0

PEI JOB#: 20484.PE



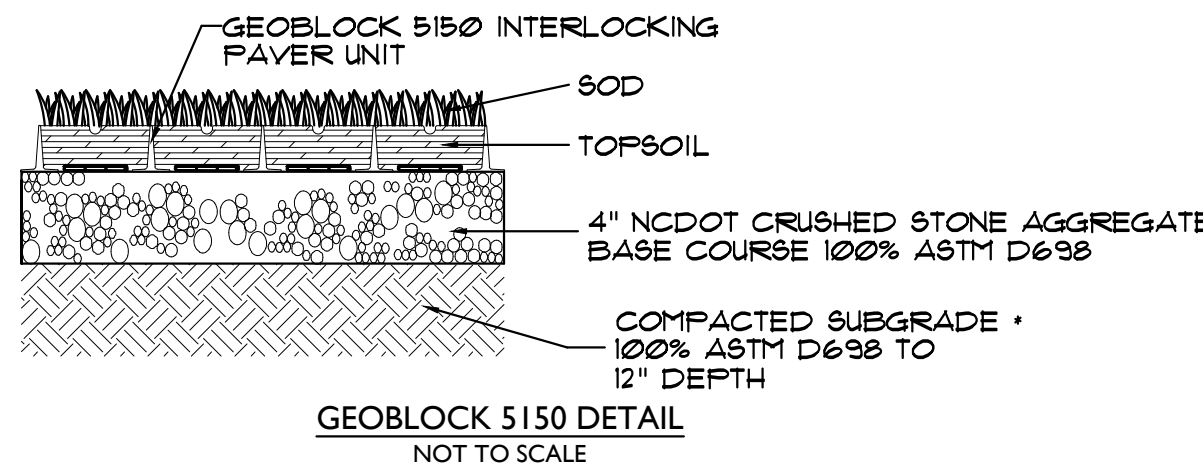
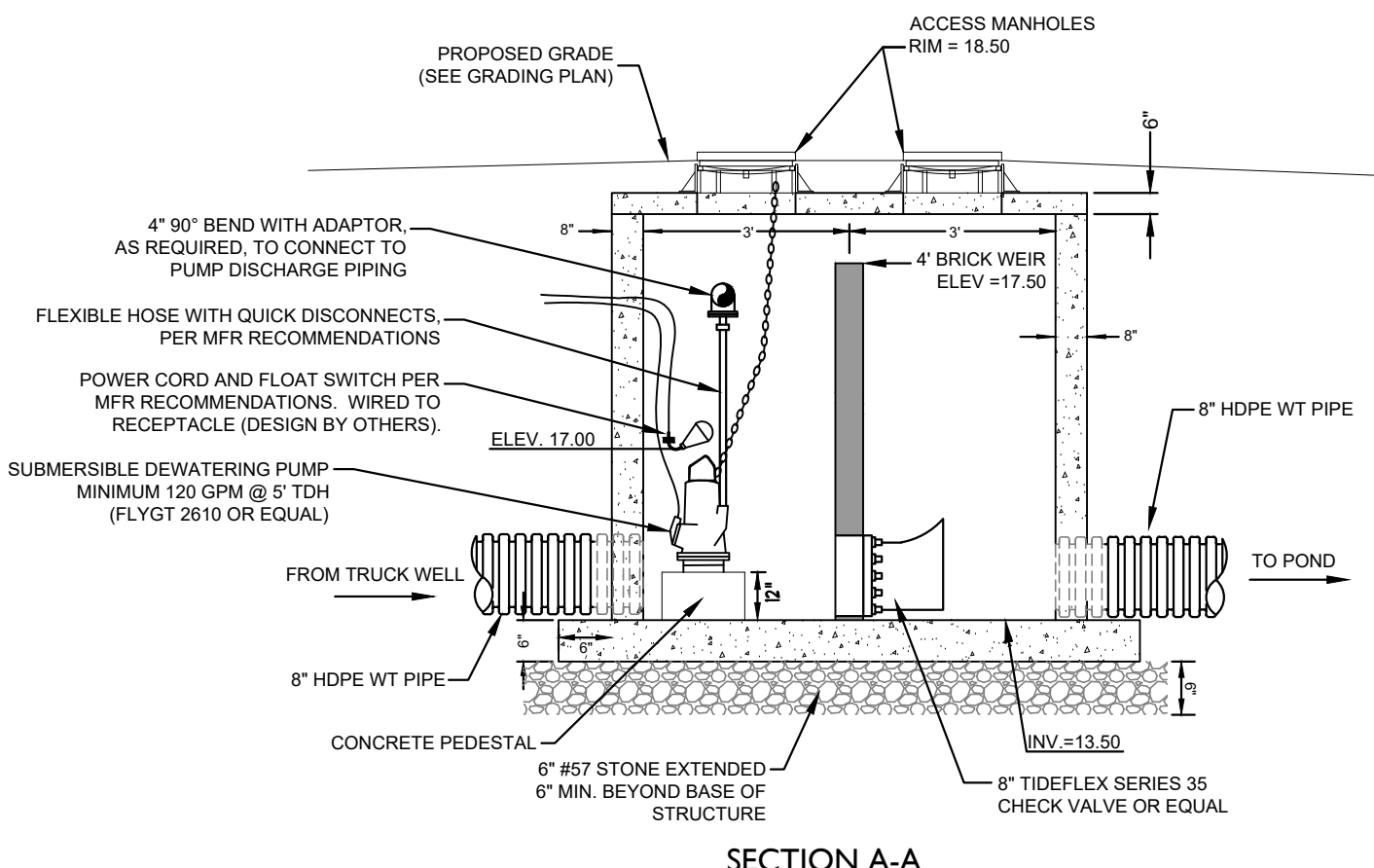
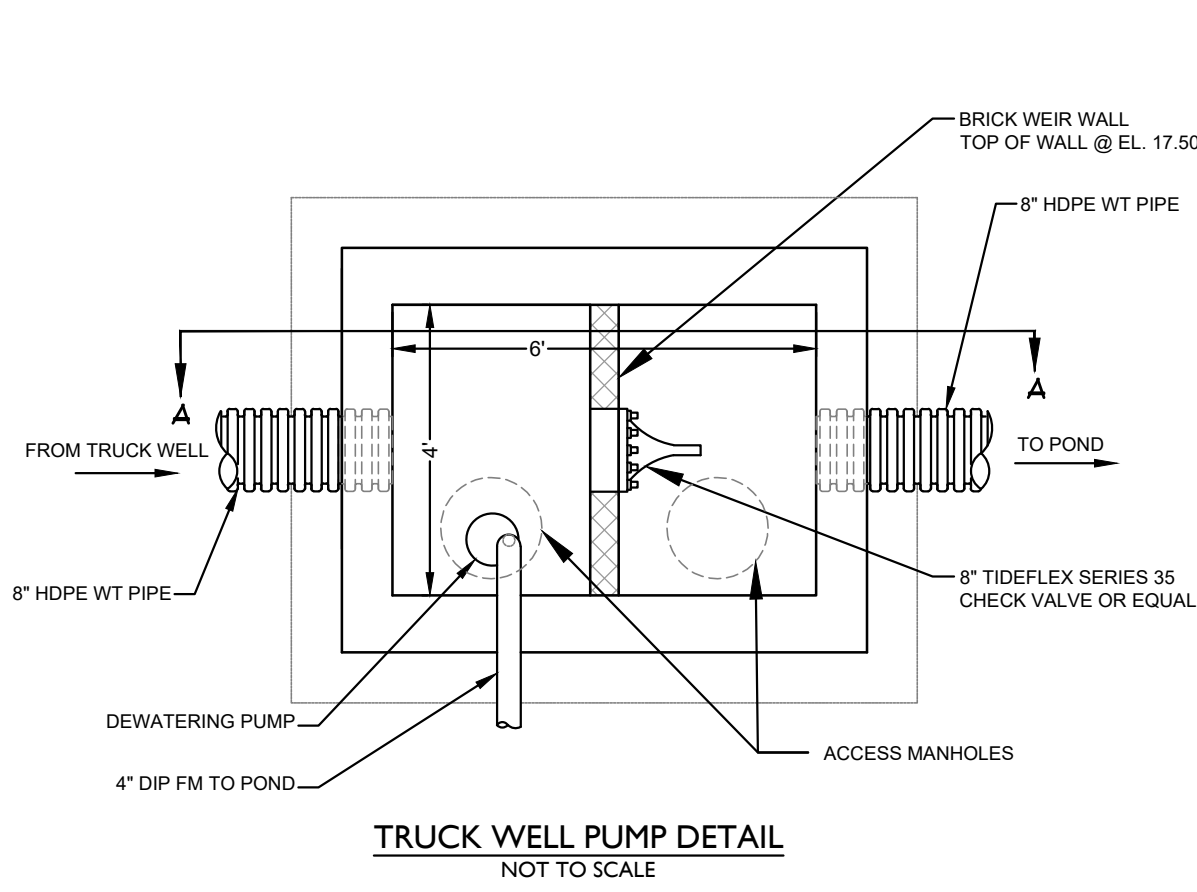


**TRENCH DRAIN DETAIL**

**NOTES:**

SK3-010 TO SK3-040

WITH SK3-040 AT END 'D' END CAP OUTLET 'D'



REVISIONS:	REV. 1	ADDITIONAL NOTES ADDED	11/16/21
	REV. 2	RFI RESPONSE	12/2/21
CLIENT INFORMATION:			
FOOD BANK OF CENTRAL & EASTERN NORTH CAROLINA			
1924 CAPITAL BLVD.			
RALEIGH, NC 27604			
PARAMOUNT ENGINEERING			
122 Cinema Drive			
Wilmington, North Carolina 28403			
(910) 791-6707 (O) (910) 791-6760 (F)			
NC License #: C-2846			
PROJECT STATUS:			
CONCEPTUAL LAYOUT:			
PRELIMINARY LAYOUT:			
RELEASED FOR CONST:			
DRAWING INFORMATION:			
DATE:			
DESIGNED:			
DRAWN:			
CHECKED:			
SEAL:			
CITY OF WILMINGTON			
NORTH CAROLINA			
ENGINEER			
GERALD J. BURRIS			
050783			
10/13/2021			
C-6.4			
PEI JOB#: 20484.PE			

FINAL DESIGN - NOT RELEASED FOR CONSTRUCTION

**DETAILS**

THE WILMINGTON FOOD BANK  
GREENFIELD STREET  
WILMINGTON, NORTH CAROLINA

NC DENR PWSS WATER PERMIT #:

WATER CAPACITY: \_\_\_\_\_ GPD

DWQ SEWER PERMIT #:

SEWER CAPACITY: \_\_\_\_\_ GPD

SEWER SHED # AND PLANT:

SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE)

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

**CITY OF WILMINGTON**  
NORTH CAROLINA

Public Services • Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

Date: \_\_\_\_\_ Permit # \_\_\_\_\_

Signed: \_\_\_\_\_

**Approved Construction Plan**

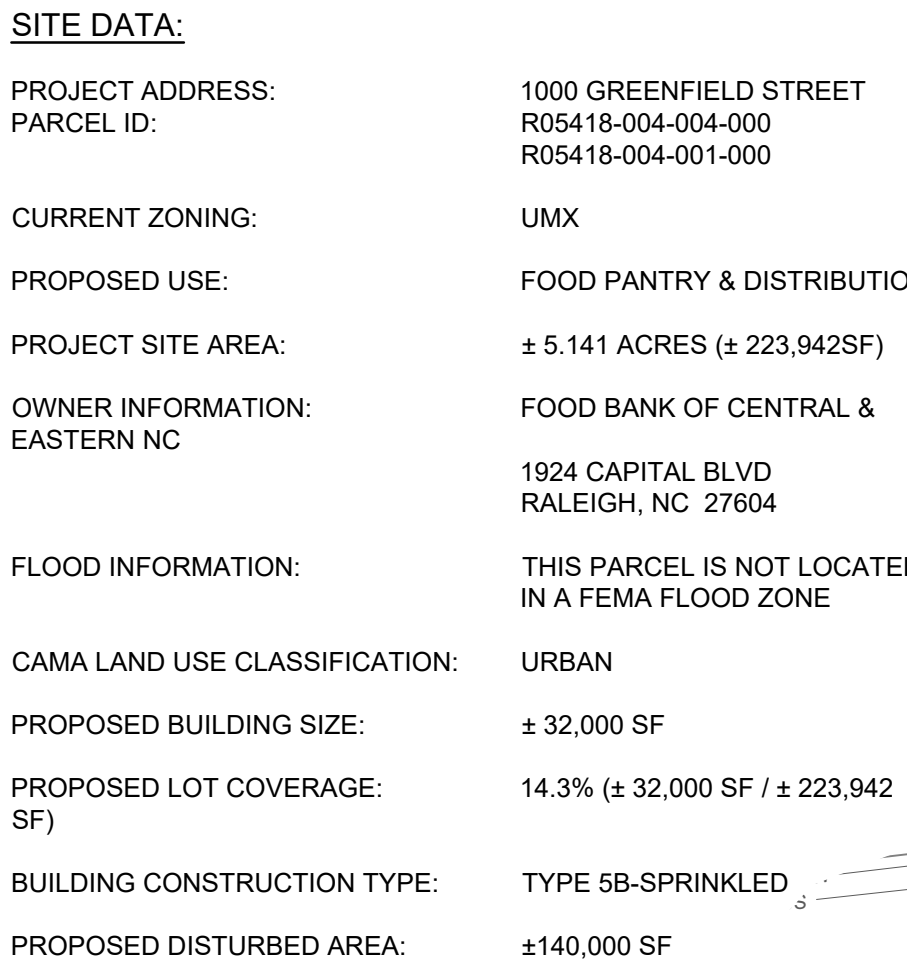
Name \_\_\_\_\_ Date \_\_\_\_\_

Planning \_\_\_\_\_

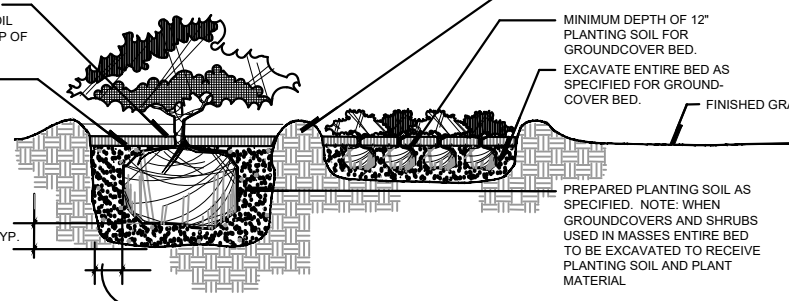
Traffic \_\_\_\_\_

Fire \_\_\_\_\_

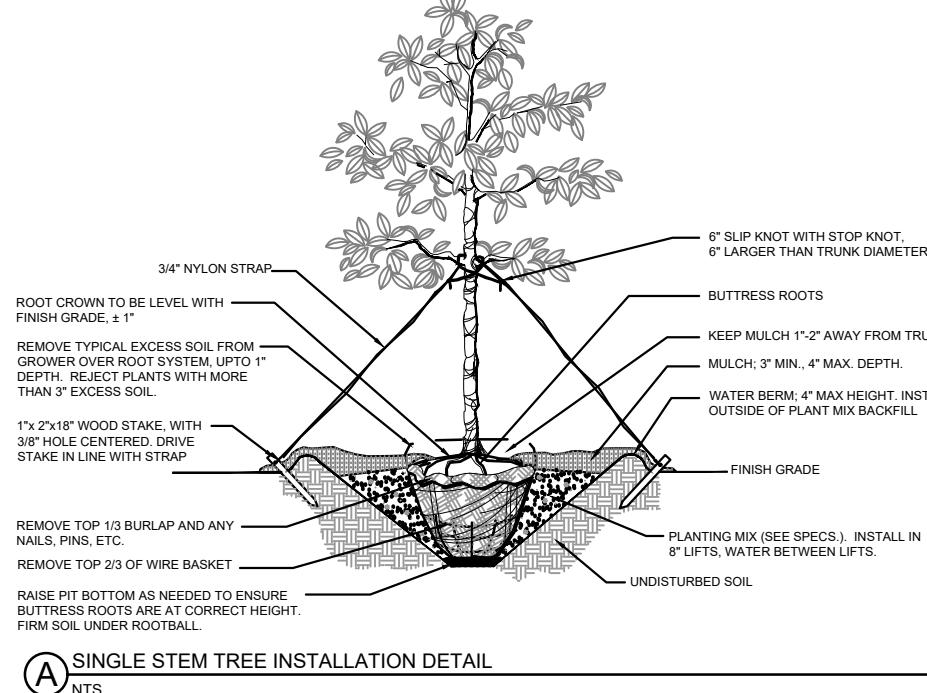




LAKE BRANCH DRIVE



**TREE REMOVAL NOTES:**  
1. NO REGULATED TREES ARE TO BE REMOVED



**(A) SINGLE STEM TREE INSTALLATION DETAIL**

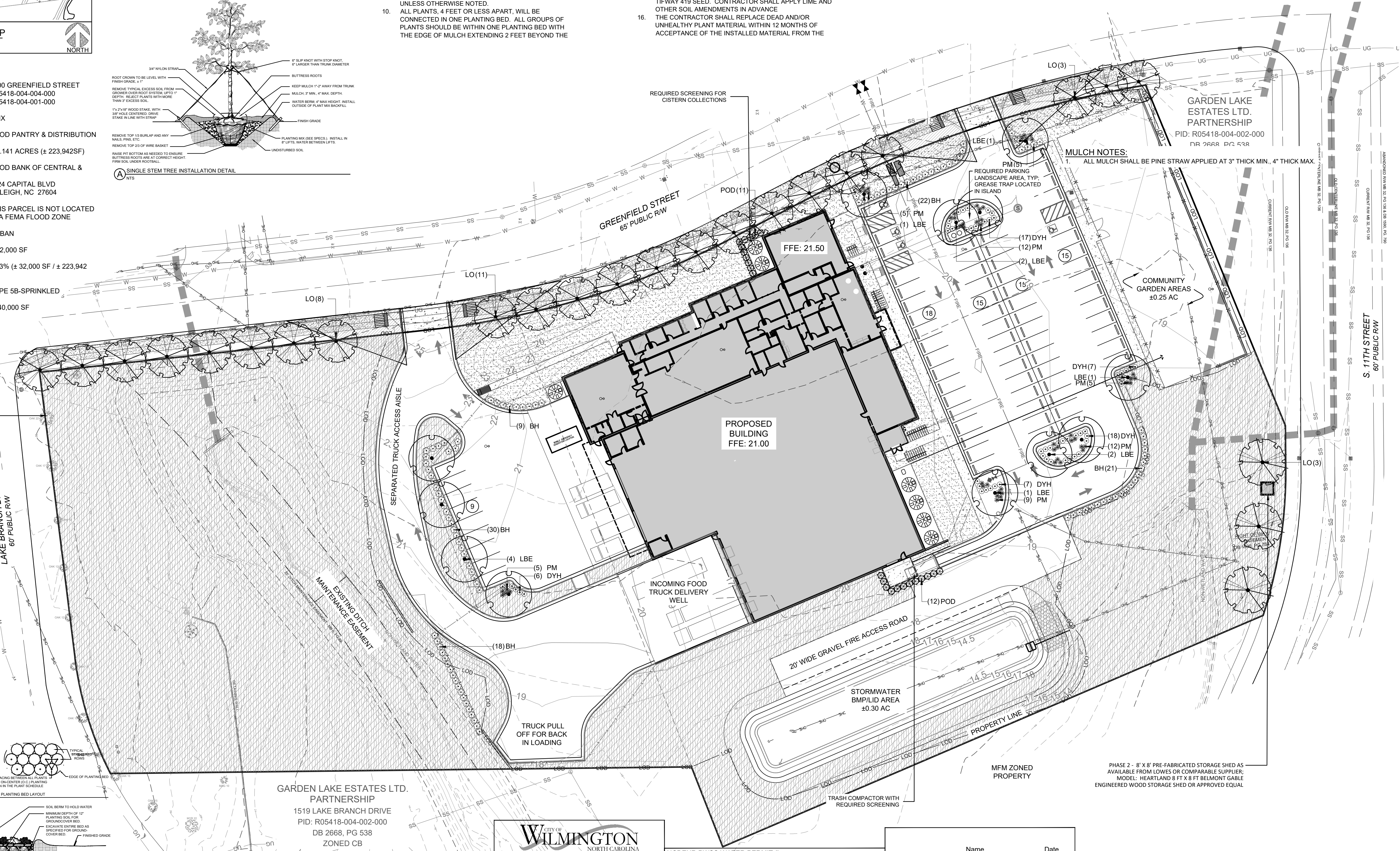
1. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION AND COORDINATING ANY UTILITY RELOCATION WITH THE GENERAL CONTRACTOR PRIOR TO BEGINNING WORK.
2. TREES SHALL BE LOCATED AT LEAST 5 FEET FROM OVERHANGING ROOF EAVES AND ALL GROUPS OF FIRE HYDRANTS OR AS OTHERWISE DICTATED BY LOCAL REGULATIONS. CONTRACTOR SHALL BE LIABLE FOR DAMAGE TO ANY AND ALL PUBLIC OR PRIVATE UTILITIES.
3. ALL PLANT MATERIAL SHALL MEET THE CURRENT VERSION OF THE AMERICAN ASSOCIATION OF NURSERYMEN'S STANDARDS.
4. NO OTHER TREES SHALL BE SHOWN ON APPROVED PLANS FOR REMOVAL WITH THESE PLANS AND/ OR TREE REMOVAL PERMIT PLANS. SHALL BE REMOVED WITHOUT WRITTEN AUTHORIZATION FROM THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE.
5. ANY AND ALL SUBSTITUTIONS OF PLANT MATERIAL SHALL BE APPROVED BY LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE. FAILURE IN OBTAINING APPROVAL MAY RESULT IN LIABILITY TO THE CONTRACTOR.
6. ALL SHRUB BEDS AND/OR PLANTING AREAS EXCLUDING TURF AREAS SHALL BE MULCHED WITH 3 INCH MINIMUM AND 4 INCH MAXIMUM DEPTH PINE STRAW MULCH UNLESS OTHERWISE NOTED.
7. ALL PLANTS, 4 FEET OR LESS APART, WILL BE COVERED IN ONE INCH DEEP MULCH. ALL GROUPS OF PLANTS SHALL BE WITHIN ONE PLANTING BED WITH THE EDGE OF MULCH EXTENDING 2 FEET BEYOND THE

EDGE OF PLANT MASS. ALL SINGLE TREES (INCLUDING BOTH PROPOSED AND EXISTING TREES) SHOULD HAVE A CIRCLE OF MULCH NOT LESS THAN 5 FEET DIAMETER. PLANTING SOIL MIX: MIX EXISTING SOIL WITH THE SOIL AMENDMENTS AND FERTILIZERS IN THE QUANTITIES REQUIRED BY THE PLANT MANUFACTURER. THIRD PARTY RECOGNIZED BY THE STATE DEPARTMENT OF AGRICULTURE OR AS OTHERWISE APPROVED BY THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL PREPARE ALL SEEDBEDS AND SOIL AREAS TO ASSURE THAT THE SURFACE HAS BEEN RANDED AND ROLLED TO ACCEPT THE SODS. ALL SOD/SEED AREAS MUST BE IRRIGATED OR HAND WATERED. ALL SOD SHALL BE PLACED WITH STAGGERED JOINTS AND NO GAPS BETWEEN SOD JOINTS. SOD SHOULD BE ROLLED AFTER INSTALLATION. THE CONTRACTOR SHALL PROVIDE A SMOOTH SURFACE FREE OF DIPS AND UNLEVELLED GROUND. IRRIGATION OF SOD/SEED/TURF AREAS NOT INCLUDED IN THE CISTERN IRRIGATED AREAS. CISTERN SYSTEM DESIGNED & INSTALLED BY OTHERS CISTERN RAINWATER COLLECTION WILL IRRIGATE CISTERN GARDEN AND OTHER LANDSCAPE AREAS. DESIGN PENDING. UNLESS OTHERWISE NOTED, ALL DISTURBED AREAS SHALL BE SEEDDED PERMANENTLY WITH BERMOUDA TIFWAY 419 SEED. CONTRACTOR SHALL APPLY LIME AND OTHER SOIL AMENDMENTS AS RECOMMENDED BY THE CONTRACTOR SHALL REPLACE DEAD AND/OR UNHEALTHY PLANT MATERIAL WITHIN 12 MONTHS OF ACCEPTANCE OF THE INSTALLED MATERIAL FROM THE

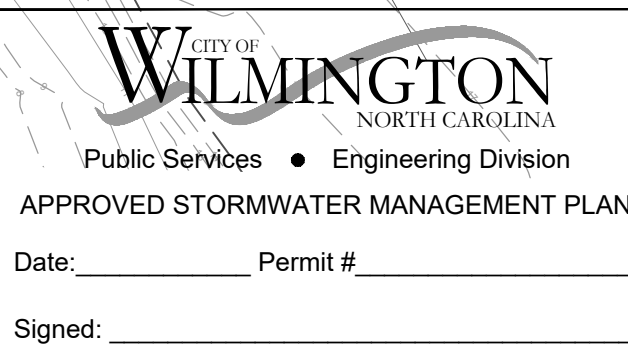
- OWNER OR OWNER'S REPRESENTATIVE
17. IRRIGATION SHALL BE DESIGNED AND INSTALLED BY A LICENSED IRRIGATION CONTRACTOR IN THE STATE OF NORTH CAROLINA.
18. IF IRRIGATION IS REQUIRED, PLANS AND SPECIFICATIONS FOR THE IRRIGATION DESIGN SHALL BE SUBMITTED TO THE OWNER OR OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO PURCHASE OR INSTALLATION OF THE MATERIALS.
19. CONTRACTOR IS RESPONSIBLE FOR REMOVING TRASH, DEBRIS AND EXCESS MATERIALS FROM THE JOB SITE ONCE THE PROJECT IS COMPLETE. SECURING ANY MATERIALS LEFT ON SITE DURING THE COURSE OF THE PROJECT IS THE CONTRACTOR'S RESPONSIBILITY.
20. ALL VEGETATION PROPOSED WITHIN SIGHT DISTANCE AREAS SHALL NOT INTERFERE WITH SIGHT DISTANCE FROM 30' TO 10'.

PLANT SCHEDULE				
CANOPY TREES	CODE	QTY	BOTANICAL / COMMON NAME	SIZE
	LO	25	QUERCUS VIRGINICA SOUTHERN LIVE OAK	10' - 12' H
	LBE	12	ULMUS PARVIFOLIA 'BOSQUE' BOSQUE LACEBARK ELM	10' - 12' H
SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	CONTAINER
	BH	108	ILEX CORNUTA 'BURFORD' BURFORD HOLLY	36" HGT.
	DYH	55	ILEX VOMITORIA 'NANA' DWARF YAUPOIN	3 GAL.
	POD	23	PODOCARPUS MI. MAKI SHRUBBY YEW PODOCARPUS	4 HT
ORNAMENTAL GRASSES	CODE	QTY	BOTANICAL / COMMON NAME	CONTAINER
	PM	53	POHLENBERGIA CAPILLARIS PINK MUHLY	3 GAL.
GROUND COVERS	BOTANICAL / COMMON NAME		CONT	
CI	94.111 SF	CYNODON DACTYLON 'TIF 419' TIF 419 BERMAUDA GRASS	SEED	
SOOD/SEED	QTY	BOTANICAL / COMMON NAME		CONT
CENT	13.869 SF	EREMOCHLOA OPHIURIODES CENTIPED GRASS		SOOD

**MULCH NOTES:**  
1. ALL MULCH SHALL BE PINE STRAW APPLIED AT 3" THICK MIN., 4" THICK MAX.



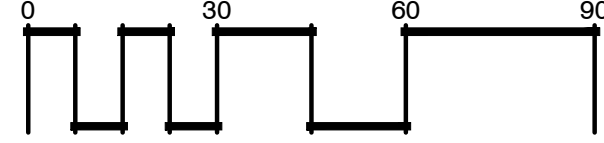
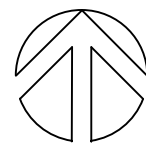
GARDEN LAKE ESTATES LTD  
PARTNERSHIP  
1519 LAKE BRANCH DRIVE  
PID: R05418-004-002-000  
DB 2668, PG 538  
ZONED CB



NC DENR PWSS WATER PERMIT #: \_\_\_\_\_  
 WATER CAPACITY: \_\_\_\_\_ GPD  
 DWQ SEWER PERMIT #: \_\_\_\_\_  
 SEWER CAPACITY: \_\_\_\_\_ GPD  
 SEWER SHED # AND PLANT: \_\_\_\_\_  
 SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE)

	Name	Date
Planning	Approved Construction Plan	
Traffic		
Fire		

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.



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PARAMOUNT®

FOOD BANK OF CENTRAL &  
EASTERN NORTH CAROLINA  
1924 CAPITAL BLVD.  
RALEIGH, NC 27604

LANDSCAPE PLAN

THE WILMINGTON FOOD BANK  
GREENFIELD STREET  
WILMINGTON, NORTH CAROLINA

PROJECT STATUS

CONCEPTUAL LAYOUT:  
PRELIMINARY LAYOUT:  
FINAL DESIGN:  
RELEASED FOR CONST:

DRAWING INFORMATION

DATE: 10/13/21  
SCALE: 1"=40'-0"  
DESIGNED:  
DRAWN:

SEAL

L-2.0

PEI JOB#:

20484 PE