



APPROVED
 DIVISION OF WASTE MANAGEMENT
 SOLID WASTE SECTION
 Date 09/28/2016 By Patricia M. Backus
DIN 26750
 Attachment 1 Part VI Document 1
 Permit 7404-MWP-2016 Permit DIN 26751

Corporate Office

324 Evans St
Greenville
NC 27858
Tel 252.758.3746
Fax 252.830.3954

Raleigh Office

2300 Rexwoods Dr
Suite 300
Raleigh
NC 27607
Tel 919.784.9330
Fax 919.784.9331

www.eastgroup.com

December 22, 2015

Ms. Patricia M. (Pat) Backus, P.E.
NC Department of Environment and Natural Resources
Division of Waste Management – Solid Waste Section
217 West Jones Street
1646 Mail Service Center
Raleigh, NC 27699-1646
Delivered by Email: pat.backus@ncdenr.gov

**Re: Approval of Proposed Changes to
Pitt County Construction & Demolition
(C&D) Recycling Program - New Sort Line**

Dear Ms. Backus:

Per our previous conversations, please find the attached documents regarding a new sort line for the C&D recycling program at the Pitt County Transfer Station:

- Site Plan
- Proposed Amendment to the Operations Plan
- Project Narrative

We request your review and approval of the new C&D recycling sort line. Please let us know if additional information is needed or would be helpful to you.

Sincerely,

Todd Tripp

Todd Tripp, PE
Sr. Civil Engineer

ENGINEERING
—
ARCHITECTURE
—
SURVEYING
—
TECHNOLOGY
—

PITT COUNTY, NORTH CAROLINA

**WASTE HANDLING FACILITY
(TRANSFER STATION)
Permit No. 74-04T**

NARRATIVE
NEW CONSTRUCTION AND DEMOLITION DEBRIS
RECYCLING EQUIPMENT & SORT LINE

DECEMBER 22, 2015



December 22, 2015

For:

**Division of Solid Waste Management
Solid Waste Section Permitting Branch
1646 Mail Service Center
Raleigh, North Carolina 27699-1646**

By:

**The East Group For
Pitt County Solid Waste & Recycling Department
3025 Landfill Road
Greenville, North Carolina 27834**

Narrative – New C&D Recycling Sort Line

Existing Construction and Demolition (C&D) Recycling Operation:

C&D materials are currently being recycled at the Pitt County Waste Handling Facility. A dedicated area to the south of Buildings 4 and 5 are being utilized for recycling purposes. The existing recycling area includes a 9,000 square foot slab with a 150-foot long retaining wall for loading out. C&D material is spread on the slab and sorted for metals, clean wood, cardboard and rigid plastics. The non-recycled materials are loaded at the retaining wall shown on the Site Plan and hauled to EJE Recycling. The recyclables are hauled away at frequent intervals to minimize quantities on the site. Certain C&D generated materials, if delivered in segregated loads, are directed to recycling containers or bulk piles as appropriate. These segregated materials include:

Clean Wood – Pallets and other clean unpainted timber is loaded into open top trailers or containers and hauled to the western stockpile in the old borrow pit area for grinding for the wood pellet boiler fuel market.

Asphalt Shingles – Shingles are collected for shipment to the Barnhill Contracting Company asphalt paving facility in Kinston, NC.

Carpets – Carpets are collected for pickup by Wellman Plastics in South Carolina. An area at the southern end of the C&D recycling area concrete pad has been designated for receipt of the carpet. As materials are gathered they are collected and loaded into a 53-foot trailer maintained on site for that purpose.

Rigid Plastics and Cardboard- These items are shipped to East Carolina Vocational Center located on North Greene Street in Greenville, NC

C&D Program Needs

The C&D facility requires dumping the material on the slab and spreading to allow for manual picking. The methodology has been effective in removing significant tonnage from the waste stream but it does create concerns relative to safety and efficiency. At times of high flow recyclable tonnage can be missed because of the need to process materials and keep pace with delivery of debris. Pitt County management desires the higher capture rate and safety advantages of a dedicated sort line. It is projected that perhaps 50% of the current 17,600 tons of C&D Debris delivered annually to the facility may be recycled with a dedicated sort line. This would be a very large increase in recycling for the C&D Program and would also result in avoided tipping fees for C&D disposal.

Narrative – New C&D Recycling Sort Line

Proposed Upgrades

The Construction and Demolition Debris (C&D) recycling area is being upgraded with a new sort line. Segregated materials such as carpets, pallets & clean wood, clean concrete and masonry rubble, tires, shingles, and metals will bypass the sort line and be directed to specific receptacles set up for that purpose in the same way as is presently done.

Mixed recyclables shall be directed to the new 8,800 square foot (approximate) C&D infeed sort building. The building is to be equipped with an inclined belt conveyor with variable speed drive. All incoming C&D debris is to be housed under the roof of the infeed sort building. Also within the building a new Finger Screen will be provided to segregate materials smaller than 2.5 inches. The fragment of the C&D stream smaller than 2.5 inches is to be delivered by materials conveyor to an outdoor pile located on the existing concrete pad for loading out to a C&D Landfill such as the EJE Recycling Facility near Pactolus, NC. The smaller fraction may also be passed through a magnet for recovery and recycling of metals. From the Finger Screen the larger material will travel out of the infeed building to the sort line. The sort line is elevated with 8 stations for recyclables. It is not feasible at present to provide a dedicated building for the sort line but it is equipped with an overhead canopy roof for protection of the sort staff. The project will include the following major components:

- **Building and Pavement Improvements:** A 110-foot by 80-foot building with a 26-foot minimum eave height is recommended to serve as the infeed building. The purpose of this roofed structure is to provide protection from the elements for the recycling personnel and the infeed and sorting equipment. The exclusion of precipitation and runoff from the debris is important as it prevents the generation of leachate. The building would be a pre-engineered shell building with the required electrical, ventilation, and lighting provided. The foot-print of the building is designed to provide temporary flow equalization of incoming materials for processing and to provide a working area to load the infeed conveyor. The intent is to clear the building by the end of each day. The width of the building will be sufficient to provide multiple incoming material streams. A separate lane is to be provided for do-it-yourself, residential derived materials on non-commercial vehicles. Two lanes are provided for commercial contractor trucks with the purpose of separating to the extent possible the professional repeat commercial traffic from the occasional residential users in order to maximize traffic safety and efficiency. An area is also provided sorting for materials determined to be non-recyclable. Such non-recyclable materials would be pushed to the outer edge of the roofed work area (See Site Plan) where they could be loaded to the reject area or reject containers at the rear of the picking line. Pavement would be added as shown on the site plan to provide all weather approaches for incoming traffic and provide a stable work surface to access the hoppers under the picking line and the reject area.
- **In-Feed Conveyor:** A metal belt, inclined in-feed conveyor is to be provided within the C&D Recycling building. The conveyor is expected to be 72 inches wide and provide an approximate 18-foot lift so that the existing rubber-tired loader can load at the lower end of the conveyor without the need for reaching the picking line elevation. The conveyor is variable speed drive to maintain a relatively stable infeed rate to the finger screen. Depending on the final layout, the conveyor may be a direct inline feed to the finger screen or it may be set at a 90 degree angle if needed for improved loader access. The intention is that items too large to be sorted on the

Narrative – New C&D Recycling Sort Line

picking line will be sorted to the reject side of the building rather than being placed on the infeed conveyor.

- Vibratory Finger Screen:** A vibrating, balanced finger screen is proposed for the facility. The finer particles of C&D do not contain components that have been identified as feasible recycling commodities; therefore, the screen size is proposed to be approximately 2.5 inches. This may capture metal cans for recycling if present in the C&D waste stream. Since this facility is within a short distance of the Transfer Station office, the screen is proposed to be of the balanced type. The screen should be approximately 66 inches wide with a length of approximately 32 feet. The screen will be located within the in-feed building to keep the unsorted materials out of the elements and to keep the materials being screened dry to the extent practical.



Figure 1-Vibratory Finger Screen

- Picking Line:** An elevated picking platform and structure is to be provided with eight 36-inch by 48-inch drop chutes (4 on each side). The platform is elevated to provide vertical room for the commodity containers below the materials chutes. The picking line extends out the back of the infeed building and is provided with a vendor manufactured canopy system from protection of the workers from the elements. The proposed commodity bins for sorting include: clean wood, clean concrete, cardboard, rigid plastics, metals, carpet, gypsum wall board, and shingles. The stations utilized may vary depending on the C&D content and the recycling

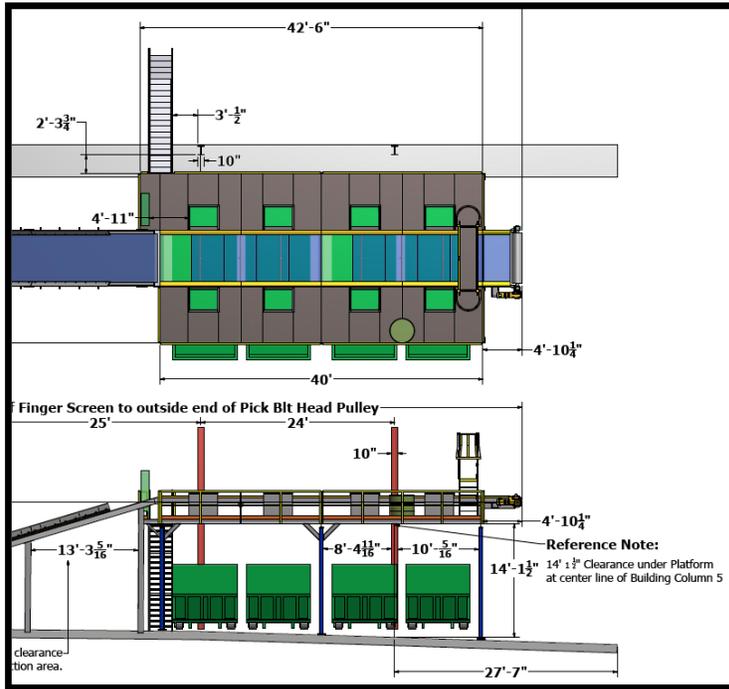


Figure 2- Example Picking Line

market.

- Fines Conveyor:** Materials smaller than the finger screen slot size (>2.5 inches) will drop to a fines conveyor that will deliver the materials to the Reject Loading Area which is on the existing concrete slab next to the existing retaining wall loading (See Site Plan). Depending on budget and

Narrative – New C&D Recycling Sort Line

observation of the screened materials, the County may also purchase a magnet to recover additional metals from the fines.

Operations Changes

The Construction and Demolition Debris recycling facility will be manned by the personnel currently engaged in C&D sorting operations included in the numbers given in Section M of the Operations Plan. Additional personnel as needed on the sort line will be provided under contract to allow for adjustments to be made as-needed until the new sorting regime is fully developed. Materials handling equipment currently engaged in C&D sorting and recycling will continue to perform recycling operations but tasks will be adjusted to serve the new sort line.

Approvals Required

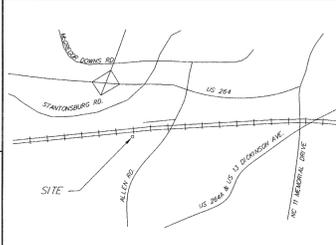
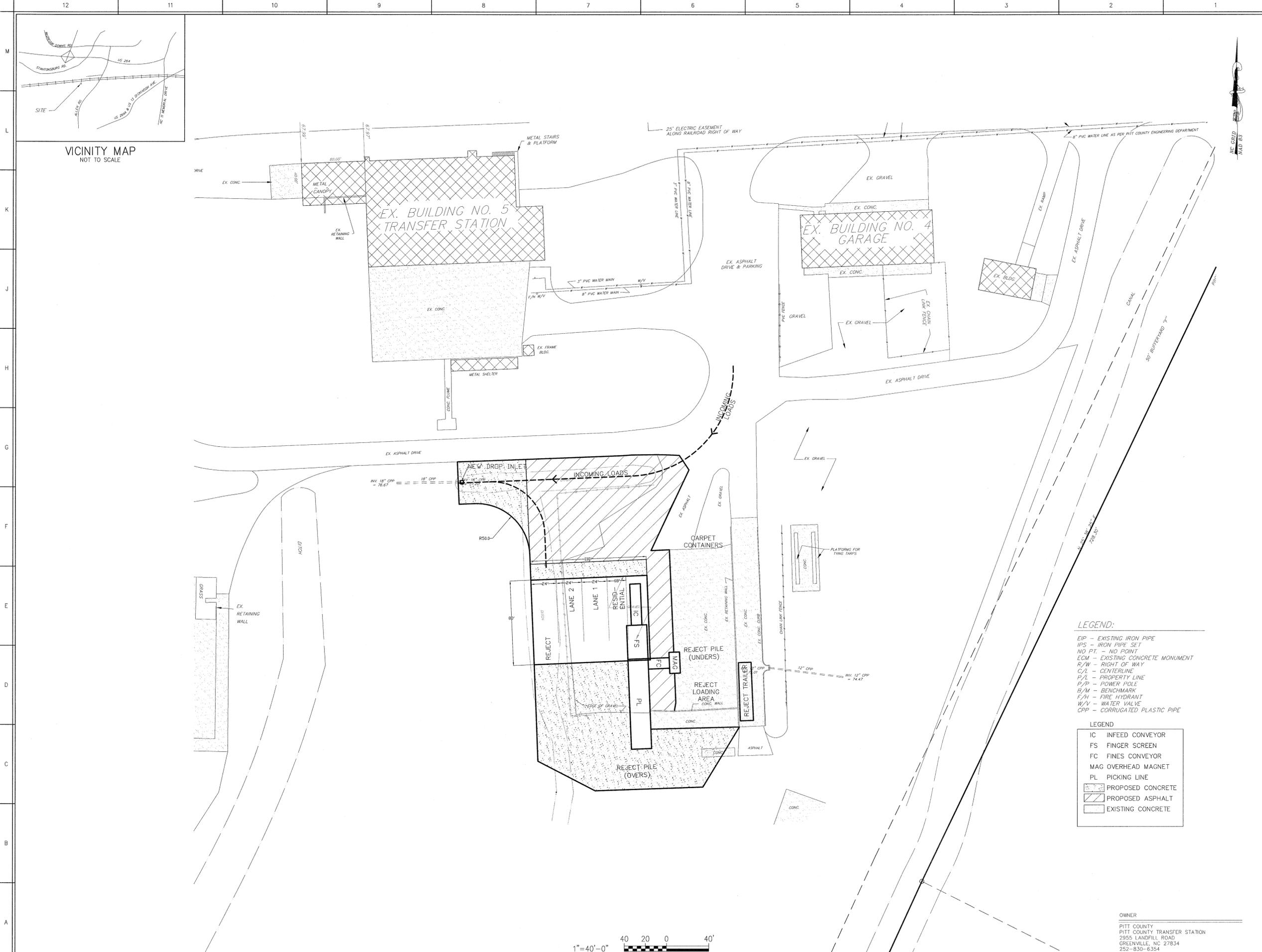
The Construction and Demolition Debris recycling facility is expected to require the approval of the Solid Waste Section and also requires a City of Greenville Site Plan Approval. While an Erosion & Sedimentation Control Plan Approval is required, no Stormwater Permit is required by the City of Greenville.

Schedule

The project is intended to receive approval by February 2016 so that bidding may begin. The intention is to be in a position to issue a Notice to Proceed at the conclusion of the bidding and negotiation phase by the commencement of the 2016/2017 Fiscal Year on July 1, 2016. The County would expect full completion by the end of the calendar year, December 2016.

Management of Recycling During Interim Period

During the interim period while design and approval is underway, the County will continue using the present dump spread and sort regime. During construction, alternate locations may be needed for some of the operations. Additional sorting area is available at the tire scrapping and shingle recycling operations sites immediately to the west. In addition, recycling may be able to proceed at the current site during much of the construction phase.



SEAL PRELIMINARY NOT FOR CONSTRUCTION

SEAL PRELIMINARY NOT FOR CONSTRUCTION

SITE DATA:

TOTAL ACREAGE.....157.20 AC.
 ZONING.....IU
 PHYSICAL ADDRESS.....2955 LANDFILL RD.
 CITY/STATE/ZIP.....GREENVILLE, NC 27834
 BUILDING TYPE/USE.....C&D RECYCLING
 OWNER NAME.....PITT COUNTY
 OWNER ADDRESS.....1717 W FIFTH ST.
 CITY/STATE/ZIP.....GREENVILLE, NC 27834
 BLOCK/LOT.....
 PARCEL No.....09982
 PIN No.....4667661433
 SUBDIVISION.....
 DEED BOOK/PAGE.....DB L42 PG 69
 MAP BOOK.....MB 22 PG 168
 MUNICIPALITY.....GREENVILLE
 TOWNSHIP.....ARTHUR
 NEIGHBORHOOD.....004068
 BUILDING AREA.....8,800 SF
 BUILDING HEIGHT.....32 FT
 DISTURBED AREA.....1.06 AC.

LEGEND:

EIP - EXISTING IRON PIPE
 IPS - IRON PIPE SET
 NO PT. - NO POINT
 ECM - EXISTING CONCRETE MONUMENT
 R/W - RIGHT OF WAY
 C/L - CENTERLINE
 P/L - PROPERTY LINE
 P/P - POWER POLE
 B/M - BENCHMARK
 F/H - FIRE HYDRANT
 W/V - WATER VALVE
 CPP - CORRUGATED PLASTIC PIPE

LEGEND

IC INFED CONVEYOR
 FS FINGER SCREEN
 FC FINES CONVEYOR
 MAG OVERHEAD MAGNET
 PL PICKING LINE

PROPOSED CONCRETE
 PROPOSED ASPHALT
 EXISTING CONCRETE

12/22/15	ISSUE FOR REVIEW	TJH
REV. NO.	DATE	REVISIONS

THE EAST GROUP, P.A.

Engineering • Architecture • Surveying • Technology

324 Evans St., Greenville, NC 27838 (252) 758-3746 (252) 830-3554 (Fax)
 4322 Lake Boone Trail, Suite 311, Raleigh, NC 27607 (919) 784-9350 (919) 784-9333 (Fax)
 NC Engineering License No. C-0028 • NC Architectural License No. 50201

PROJECT TITLE

PITT COUNTY C&D RECYCLING CENTER

Pitt County Greenville, NC

DRAWING TITLE

Site Plan

SCALE	DEPARTMENT
AS NOTED	CIVIL
DRAWN BY	DATE STARTED
SLJ	8/16/15
CHECKED	DRAWING NO.
TAT	
APPROVED	
TAT	
PROJECT NO.	C1.1
20150058	



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PITT COUNTY
 GREENVILLE, NORTH CAROLINA
C&D RECYCLING CENTER
NEW SORTING SYSTEM

CONTRACT #2: BUILDING & SITE WORK

TEG PROJECT NO. 20150058

ISSUE FOR BID - CONTRACT #2

JUNE 16, 2016

DRAWING INDEX

TITLE/GENERAL	SURVEY/CIVIL/PLANTING	ARCHITECTURAL	INTERIORS	STRUCTURAL	PLUMBING	MECHANICAL	ELECTRICAL
TITLE SHEET T1.1 CODE SUMMARY T2.1 LIFE SAFETY PLAN	CO.1A OVERALL PROPERTY MAP CO.1B COMPOSITE PLAN CO.2 CURRENT CONDITIONS/ DEMOLITION PLAN C1.1 SITE PLAN C1.2 EQUIPMENT LAYOUT - REFERENCE ONLY C2.1 GENERAL GRADING, DRAINAGE, EROSION & SEDIMENTATION CONTROL PLAN C3.1 CIVIL DETAILS	A-01 BUILDING PLAN A-02 BUILDING SECTIONS & ELEVATIONS	N/A VENDOR N/A	SC-01 BUILDING SLAB/FOUNDATION PLAN SC-02 BUILDING FOUNDATION SECTIONS, DETAILS & NOTES FIRE PROTECTION N/A	N/A	N/A	E0.1 ELECTRICAL LEAD SHEET E2.1 ELECTRICAL POWER PLAN E3.1 ELECTRICAL LIGHTING PLAN E4.1 ELECTRICAL RISER DIAGRAM E4.2 ELECTRICAL SCHEDULES & DETAILS

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BUILDING CODE SUMMARY
NORTH CAROLINA ADMINISTRATIVE CODE AND POLICES, 2012 - APPENDIX B

NAME OF PROJECT: PITT COUNTY C&D RECYCLING CENTER
ADDRESS: 2955 LANDELL ROAD GREENVILLE, NC ZIP CODE: 27834
PROPOSED USE: C&D RECYCLING FACILITY
OWNER/AUTHORIZED AGENT: PITT COUNTY PHONE # 252-901-1000
OWNED BY: CITY/COUNTY PRIVATE STATE
CODE ENFORCEMENT JURISDICTION: CITY GREENVILLE COUNTY STATE

LEAD DESIGN PROFESSIONAL: TODD TRIPP E-MAIL: TODD.TRIPP@EASTGROUP.COM
DESIGNER FIRM NAME LICENSE # TELEPHONE #
ARCHITECTURAL THE EAST GROUP, P.A. RICHARD E. JOHNSON, AIA 3517 252-758-3746
CIVIL THE EAST GROUP, P.A. TODD TRIPP 017480 252-758-3746
ELECTRICAL THE EAST GROUP, P.A. DAVID WEEKS 041433 252-758-3746
FIRE ALARM N/A
PLUMBING N/A
MECHANICAL N/A
SPRINKLER-STANDPIPE N/A
STRUCTURAL THE EAST GROUP, P.A. RICHARD B. ECKERT 009503 252-758-3746
RTG. WALLS >5' HIGH N/A
LANDSCAPE N/A

2012 EDITION OF NC CODE FOR: NEW CONSTRUCTION ADDITION UPFIT
EXISTING: RECONSTRUCTION ALTERATION REPAIR RENOVATION
CONSTRUCTED (DATE): _____ ORIGINAL USE(S) (CH. 3): _____
RENOVATED (DATE): _____ CURRENT USE(S) (CH. 3): _____
PROPOSED USE(S) (CH. 3): FACTORY

BUILDING DATA
CONSTRUCTION TYPE: I-A II-A III-A IV V-A
 I-B II-B III-B V-B
SPRINKLERS: NO PARTIAL YES NFPA 13 NFPA 13R NFPA 13D
STANDPIPES: NO YES CLASS: I II III WET DRY
FIRE DISTRICT: NO YES FLOOD HAZARD AREA: NO YES
BUILDING HEIGHT: FEET: 35'-4"
GROSS BUILDING AREA:
FLOOR EXISTING (SQ. FT.) RENOVATION (SQ. FT.) NEW (SQ. FT.) SUB-TOTAL
7th FLOOR _____
6th FLOOR _____
5th FLOOR _____
4th FLOOR _____
3rd FLOOR _____
2nd FLOOR _____
1st FLOOR _____ 8,800 8,800
BASEMENT _____
TOTAL _____ 8,800 8,800

ALLOWABLE AREA
OCCUPANCY:
ASSEMBLY A-1 A-2 A-3 A-4 A-5
BUSINESS EDUCATIONAL
FACTORY F-1 MODERATE F-2 LOW
HAZARDOUS H-1 DETONATE H-2 DEFLAGRATE H-3 COMBUST
 H-4 HEALTH H-5 HPM
INSTITUTIONAL I-1 I-2 I-3 I-4
I-3 CONDITION 1 2 3 4 5
MERCANTILE UTILITY AND MISC.
RESIDENTIAL R-1 R-2 R-3 R-4
STORAGE S-1 MODERATE S-2 LOW HIGH-PILED
 PARKING GARAGE OPEN ENCLOSED REPAIR GARAGE
ACCESSORY OCCUPANCIES:
ASSEMBLY A-1 A-2 A-3 A-4 A-5
BUSINESS EDUCATIONAL
FACTORY F-1 MODERATE F-2 LOW
HAZARDOUS H-1 DETONATE H-2 DEFLAGRATE H-3 COMBUST
 H-4 HEALTH H-5 HPM
INSTITUTIONAL I-1 I-2 I-3 I-4
I-3 CONDITION 1 2 3 4 5
MERCANTILE UTILITY AND MISC.
RESIDENTIAL R-1 R-2 R-3 R-4
STORAGE S-1 MODERATE S-2 LOW HIGH-PILED
 PARKING GARAGE OPEN ENCLOSED REPAIR GARAGE

FURNACE ROOM WHERE ANY PIECE OF EQUIPMENT IS OVER 400,000 BTU PER HOUR INPUT
 ROOMS WITH BOILERS WHERE THE LARGEST PIECE OF EQUIPMENT IS OVER 15 PSI AND 10 HORSEPOWER
 REFRIGERANT MACHINE ROOM
 HYDROGEN CUTOFF ROOMS, NOT CLASSIFIED AS GROUP H
 INCINERATOR ROOMS
 PAINT SHOPS, NOT CLASSIFIED AS GROUP H, LOCATED IN OCCUPANCIES OTHER THAN GROUP F
 LABORATORIES AND VOCATIONAL SHOPS, NOT CLASSIFIED AS GROUP H, LOCATED IN A GROUP E OR I-2 OCCUPANCY
 LAUNDRY ROOMS OVER 100 SQUARE FEET
 GROUP 1-3 CELLS EQUIPPED WITH PADDED SURFACES
 GROUP 1-2 WASTE AND LINEN COLLECTION ROOMS
 WASTE AND LINEN COLLECTION ROOMS OVER 100 SQUARE FEET

ALLOWABLE AREA (CONTINUED)
 STATIONARY STORAGE BATTERY SYSTEMS HAVING A LIQUID ELECTROLYTE CAPACITY OF MORE THAN 50 GALLONS, OR A LITHIUM-ION CAPACITY OF 1,000 POUNDS USED FOR FACILITY STANDBY POWER, EMERGENCY POWER OR UNINTERRUPTED POWER SUPPLIES
 ROOMS CONTAINING FIRE PUMPS
 GROUP 1-2 STORAGE ROOMS OVER 100 SQUARE FEET
 GROUP 1-2 COMMERCIAL KITCHENS
 GROUP 1-2 LAUNDRIES EQUAL TO OR LESS THAN 100 SQUARE FEET
 GROUP 1-2 ROOMS OR SPACES THAT CONTAIN FUEL-FIRED HEATING EQUIPMENT
SPECIAL USES: 402 403 404 405 406 407 408 409 410
 411 412 413 414 415 416 417 418 419
 420 421 422 423 424 425 426 427
SPECIAL PROVISIONS: 509.2 509.3 509.4 509.5 509.6 509.7 509.8 509.9
MIXED OCCUPANCY: NO YES SEPARATION: _____ HR. EXCEPTION: _____
 INCIDENTAL USE SEPARATION (508.2.5)
THIS SEPARATION IS NOT EXEMPT AS A NONSEPARATED USE (SEE EXCEPTIONS).
 NONSEPARATED USE (508.3.2)
THE REQUIRED TYPE OF CONSTRUCTION FOR THE BUILDING SHALL BE DETERMINED BY APPLYING THE HEIGHT AND AREA LIMITATIONS FOR EACH OF THE APPLICABLE OCCUPANCIES TO THE ENTIRE BUILDING. THE MOST RESTRICTIVE TYPE OF CONSTRUCTION, SO DETERMINED, SHALL APPLY TO THE ENTIRE BUILDING.
 SEPARATED USE (508.3.3) - SEE BELOW FOR AREA CALCULATIONS
FOR EACH STORY, THE AREA OF THE OCCUPANCY SHALL BE SUCH THAT THE SUM OF THE RATIOS OF THE ACTUAL FLOOR AREA OF EACH USE DIVIDED BY THE ALLOWABLE FLOOR AREA FOR EACH USE SHALL NOT EXCEED 1.
$$\frac{\text{ACTUAL AREA OF OCCUPANCY A}}{\text{ALLOWABLE AREA OF OCCUPANCY A}} + \frac{\text{ACTUAL AREA OF OCCUPANCY B}}{\text{ALLOWABLE AREA OF OCCUPANCY B}} \leq 1$$

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 503 ² AREA	(C) AREA FOR FRONTAGE INCREASE ¹	(D) AREA FOR SPRINKLER INCREASE ²	(E) ALLOWABLE AREA OR UNLIMITED ²	(F) MAXIMUM BUILDING AREA ¹
1	F-1	8,800	15,500	11,625	NA	27,125	54,250

- FRONTAGE AREA INCREASES FROM SECTION 506.2 ARE COMPUTED THIS:
a. PERIMETER WHICH FRONTS A PUBLIC WAY OR OPEN SPACE HAVING 20 FEET MINIMUM WIDTH = 380 (F)
b. TOTAL BUILDING PERIMETER = 380 (P)
c. RATIO (F/P) = 1 (F/P)
d. W = MINIMUM WIDTH OF PUBLIC WAY = 30 (W)
e. PERCENTAGE OF FRONTAGE INCREASE $I = \frac{100(F/P - 0.25)}{W} \times W/30 = \underline{75}$ (%)
f. THE SPRINKLER INCREASE PER SECTION 506.3 IS AS FOLLOWS:
a. MULTI-STORY BUILDING $I = 200$ PERCENT
b. SINGLE STORY BUILDING $I = 300$ PERCENT
3. UNLIMITED AREA APPLICABLE UNDER CONDITIONS OF SECTION 507.
4. MAXIMUM BUILDING AREA = TOTAL NUMBER OF STORIES IN THE BUILDING x E (506.4).
5. THE MAXIMUM AREA OF OPEN PARKING GARAGES MUST COMPLY WITH TABLE 406.3.5. THE MAXIMUM AREA OF AIR TRAFFIC CONTROL TOWERS MUST COMPLY WITH TABLE 412.1.2.

ALLOWABLE HEIGHT

TYPE OF CONSTRUCTION	TYPE	ALLOWABLE (TABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
BUILDING HEIGHT IN FEET	FEET	SS	FEET = H + 20' = <u>N/A</u>	FEET <u>35'-4"</u>	
BUILDING HEIGHT IN STORIES	STORIES	2	STORIES + 1 = <u>N/A</u>	STORIES <u>1</u>	

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	PROVIDED (W/ REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED JOINTS
STRUCTURAL FRAME INCLUDING COLUMNS, GIRDERS, TRUSSES	>30'	0	0	N/A	N/A	N/A	N/A
BEARING WALLS							
EXTERIOR							
NORTH	>30'	2	N/A	N/A	N/A	N/A	N/A
EAST	>30'	2	N/A	N/A	N/A	N/A	N/A
SOUTH	>30'	2	N/A	N/A	N/A	N/A	N/A
WEST	>30'	2	N/A	N/A	N/A	N/A	N/A
INTERIOR	N/A	1	N/A	N/A	N/A	N/A	N/A
NONBEARING WALLS AND PARTITIONS							
EXTERIOR							
NORTH	>30'	0	0	N/A	N/A	N/A	N/A
EAST	>30'	0	0	N/A	N/A	N/A	N/A
SOUTH	>30'	0	0	N/A	N/A	N/A	N/A
WEST	>30'	0	0	N/A	N/A	N/A	N/A
INTERIOR	N/A	0	N/A	N/A	N/A	N/A	N/A
FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS	>30'	0	0	N/A	N/A	N/A	N/A
ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS	>30'	0	0	N/A	N/A	N/A	N/A
SHAFT ENCL. - EXIT	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SHAFT ENCL. - OTHER	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CORRIDOR SEPARATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OCCUPANCY SEPARATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PARTY/FIRE WALL SEPARATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SMOKE BARRIER SEPARATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TEENANT SEPARATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A
INCIDENTAL USE SEPARATION	N/A	N/A	N/A	N/A	N/A	N/A	N/A

LIFE SAFETY SYSTEM REQUIREMENTS
EMERGENCY LIGHTING: NO YES
EXIT SIGNS: NO YES
FIRE ALARM: NO YES
SMOKE DETECTION SYSTEMS: NO YES PARTIAL
PANIC HARDWARE: NO YES

LIFE SAFETY PLAN REQUIREMENTS
LIFE SAFETY PLAN SHEET # 12-1
 FIRE AND/OR SMOKE RATED WALL LOCATIONS (CHAPTER 7)
 ASSUMED AND REAL PROPERTY LINE LOCATIONS
 EXTERIOR WALL OPENING AREA WITH RESPECT TO DISTANCE TO ASSUMED PROPERTY LINES (705.8)
 EXISTING STRUCTURES WITHIN 30 FEET OF THE PROPOSED BUILDING
 OCCUPANCY TYPES FOR EACH AREA AS IT RELATES TO OCCUPANT LOAD CALCULATION (TABLE 1004.1.1)
 OCCUPANT LOADS FOR EACH AREA
 EXIT ACCESS TRAVEL DISTANCES (1016)
 COMMON PATH OF TRAVEL DISTANCES (1014.3 & 1028.8)
 DEAD END LENGTHS (1018.4)
 CLEAR EXT WIDTHS FOR EACH EXIT DOOR
 MAXIMUM CALCULATED OCCUPANT LOAD CAPACITY EACH EXIT DOOR CAN ACCOMMODATE BASED ON EGRESS WIDTH (1008.1)
 ACTUAL OCCUPANT LOAD FOR EACH EXIT DOOR
 A SEPARATE SCHEMATIC PLAN INDICATING WHERE FIRE RATED FLOOR/CEILING AND/OR ROOF STRUCTURE IS PROVIDED FOR PURPOSES OF OCCUPANCY SEPARATION
 LOCATION OF DOORS WITH PANIC HARDWARE (1008.1.10)
 LOCATION OF DOORS WITH DELAYED EGRESS LOCKS AND THE AMOUNT OF DELAY (1008.1.9.7)
 LOCATION OF DOORS WITH ELECTROMAGNETIC EGRESS LOCKS (1008.1.9.8)
 LOCATION OF DOORS EQUIPPED WITH HOLD-OPEN DEVICES
 LOCATION OF EMERGENCY ESCAPE WINDOWS (1029)
 THE SQUARE FOOTAGE OF EACH FIRE AREA (902)
 THE SQUARE FOOTAGE OF EACH SMOKE COMPARTMENT (407.4)
 NOTE ANY CODE EXCEPTIONS OR TABLE NOTES THAT MAY HAVE BEEN UTILIZED REGARDING THE ITEMS ABOVE

ACCESSIBILITY PARKING (SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED			TOTAL # ACCESSIBLE PROVIDED
	REQUIRED	PROVIDED	REGULAR WITH 8' ACCESS AISLE	VAN SPACES WITH 132" AISLE	8' AISLE	

STRUCTURAL DESIGN
DESIGN LOADS:
IMPORTANCE FACTORS: WIND (I_w): 1.0
SNOW (I_s): 1.0
SEISMIC (I_e): 1.0
LIVE LOADS: ROOF: 20 PSF
MEZZANINE: N/A PSF
FLOOR: 1,000 PSF
GROUND SNOW LOAD: 10 PSF
WIND LOAD: BASIC WIND SPEED: 110 MPH (ASCE-7)
EXPOSURE CATEGORY: C
WIND BASE SHEARS (FOR MWFRS): V₁ = 77K V₂ = 83K
SEISMIC DESIGN CATEGORY: A B C D
PROVIDE THE FOLLOWING SEISMIC DESIGN PARAMETERS:
OCCUPANCY CATEGORY (TABLE 1604.5): I II III IV
SPECTRAL RESPONSE ACCELERATION: S₁ = 0.175 %g S₂ = 0.07 %g
SITE CLASSIFICATION (TABLE 1613.5.2): A B C D E F
DATA SOURCE: FIELD TEST PRESUMPTIVE HISTORICAL DATA
BASIC STRUCTURAL SYSTEM (CHECK ONE):
 BEARING WALL DUAL W/ SPECIAL MOMENT FRAME
 BUILDING FRAME DUAL W/ INTERMEDIATE R/C OR SPECIAL STEEL
 MOMENT FRAME INVERTED PENDULUM
SEISMIC BASE SHEAR: V₁ = 4.4K V₂ = 4.4K
ANALYSIS PROCEDURE: SIMPLIFIED EQUIVALENT LATERAL FORCE DYNAMIC
ARCHITECTURAL, MECHANICAL, COMPONENTS ANCHORED? YES NO
LATERAL DESIGN CONTROL: EARTHQUAKE WIND
SOIL BEARING CAPACITIES:
FIELD TEST (PROVIDE COPY OF TEST REPORT): N/A PSF
PRESUMPTIVE BEARING CAPACITY: 2,000 PSF
PILE SIZE, TYPE, AND CAPACITY: N/A
SPECIAL INSPECTIONS REQUIRED: YES NO

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

USE	WATER CLOSETS		URINALS	LAVATORIES		SHOWERS/TUBS	DRINKING FOUNTAINS	
	MALE	FEMALE		MALE	FEMALE		REGULAR	ACCESSIBLE
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

SPECIAL APPROVALS
(LOCAL JURISDICTION, DOI, OSC, DPI, DHHS, ICC, ETC., DESCRIBE BELOW)
N/A

ENERGY SUMMARY
NO HEATING OR COOLING IS PROVIDED IN THIS BUILDING AND THEREFORE IS NOT REQUIRED TO MEET ENERGY CODE REQUIREMENTS.
ENERGY REQUIREMENTS:
CLIMATE ZONE: 3 4 5
METHOD OF COMPLIANCE:
ENERGY CODE: PRESCRIPTIVE PERFORMANCE
ASHRAE 90.1: PRESCRIPTIVE PERFORMANCE
THERMAL ENVELOPE:
ROOF/CEILING ASSEMBLY (EACH ASSEMBLY):
DESCRIPTION OF ASSEMBLY: N/A
U-VALUE OF TOTAL ASSEMBLY: N/A
R-VALUE OF INSULATION: N/A
SKYLIGHTS IN EACH ASSEMBLY: N/A
U-VALUE OF SKYLIGHT: N/A
TOTAL SQUARE FOOTAGE OF SKYLIGHTS IN EACH ASSEMBLY: N/A
EXTERIOR WALLS (EACH ASSEMBLY):
DESCRIPTION OF ASSEMBLY: N/A
U-VALUE OF TOTAL ASSEMBLY: N/A
R-VALUE OF INSULATION: N/A
OPENINGS (WINDOWS OR DOORS WITH GLAZING):
U-VALUE OF ASSEMBLY: N/A
SOLAR HEAT GAIN COEFFICIENT: N/A
PROJECTION FACTOR: N/A
DOOR R-VALUES: N/A
WALLS BELOW GRADE (EACH ASSEMBLY):
DESCRIPTION OF ASSEMBLY: N/A
U-VALUE OF TOTAL ASSEMBLY: N/A
R-VALUE OF INSULATION: N/A
FLOORS OVER UNCONDITIONED SPACE (EACH ASSEMBLY):
DESCRIPTION OF ASSEMBLY: N/A
U-VALUE OF TOTAL ASSEMBLY: N/A
R-VALUE OF INSULATION: N/A
FLOORS SLAB ON GRADE:
DESCRIPTION OF ASSEMBLY: N/A
U-VALUE OF TOTAL ASSEMBLY: N/A
R-VALUE OF INSULATION: N/A
HORIZONTAL/VERTICAL REQUIREMENT: N/A
SLAB HEATED: N/A

MECHANICAL SUMMARY
NO HEATING OR COOLING IS PROVIDED IN THIS BUILDING.
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT:
METHOD OF COMPLIANCE:
ENERGY CODE: PRESCRIPTIVE PERFORMANCE
ASHRAE 90.1: PRESCRIPTIVE PERFORMANCE
THERMAL ZONE:
WINTER DRY BULB: N/A
SUMMER DRY BULB: N/A
INTERIOR DESIGN CONDITIONS:
WINTER DRY BULB: N/A
SUMMER DRY BULB: N/A
RELATIVE HUMIDITY: N/A
BUILDING HEATING LOAD: N/A
BUILDING COOLING LOAD: N/A
MECHANICAL SPACE CONDITIONING SYSTEM:
UNITARY:
DESCRIPTION OF UNIT: N/A
HEATING EFFICIENCY: N/A
COOLING EFFICIENCY: N/A
SIZE CATEGORY OF UNIT: N/A
BOILER:
SIZE CATEGORY; IF OVERSIZED, STATE REASON: N/A
CHILLER:
SIZE CATEGORY; IF OVERSIZED, STATE REASON: N/A
LIST EQUIPMENT EFFICIENCIES: N/A

ELECTRICAL SUMMARY
ELECTRICAL SYSTEM AND EQUIPMENT:
METHOD OF COMPLIANCE:
ENERGY CODE: PRESCRIPTIVE PERFORMANCE
ASHRAE 90.1: PRESCRIPTIVE PERFORMANCE
LIGHTING SCHEDULE (EACH FIXTURE TYPE):
LAMP TYPE REQUIRED IN FIXTURE: SEE LIGHTING FIXTURE SCHEDULE
NUMBER OF LAMPS IN FIXTURE: SEE LIGHTING FIXTURE SCHEDULE
BALLAST TYPE USED IN FIXTURE: SEE LIGHTING FIXTURE SCHEDULE
NUMBER OF BALLASTS IN FIXTURE: SEE LIGHTING FIXTURE SCHEDULE
TOTAL WATTAGE PER FIXTURE: SEE LIGHTING FIXTURE SCHEDULE
TOTAL INTERIOR WATTAGE SPECIFIED VS ALLOWED: 2,828 VS 11,792
TOTAL EXTERIOR WATTAGE SPECIFIED VS ALLOWED: 316 VS 4,405
ADDITIONAL PRESCRIPTIVE COMPLIANCE:
 506.2.1 MORE EFFICIENT MECHANICAL EQUIPMENT
 506.2.2 REDUCED LIGHTING POWER DENSITY
 506.2.3 ENERGY RECOVERY VENTILATION SYSTEMS
 506.2.4 HIGHER EFFICIENCY SERVICE WATER HEATING
 506.2.5 ON-SITE SUPPLY OF RENEWABLE ENERGY
 506.2.6 AUTOMATIC DAYLIGHTING CONTROL SYSTEMS

SEAL: RICHARD E. JOHNSON, P.E. CIVIL ENGINEER, STATE OF NORTH CAROLINA, GREENVILLE, NC. 3/17/16

6/16/2016 ISSUE FOR BID - CONTRACT #2 URS

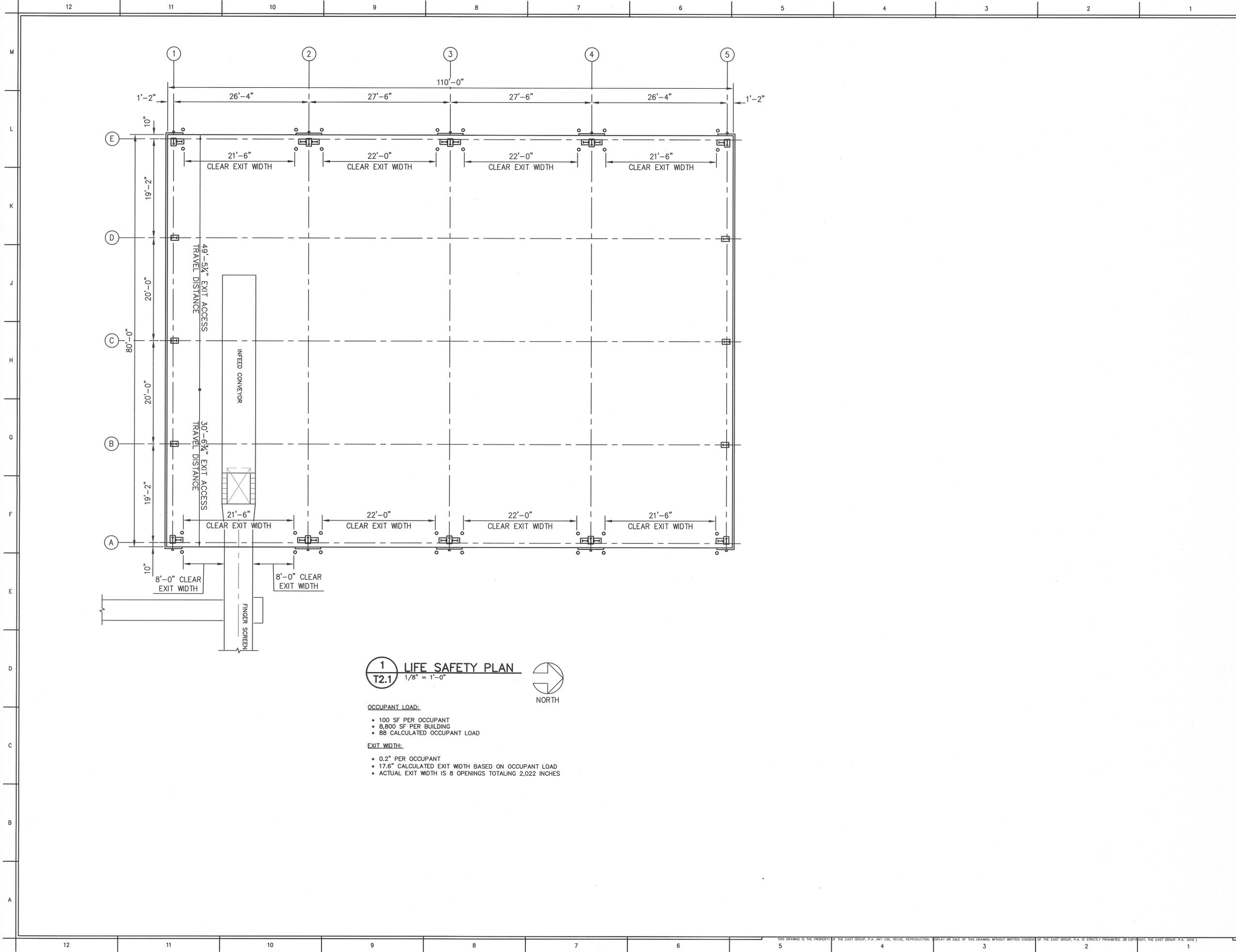
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PROJECT TITLE: PITT COUNTY C&D RECYCLING CENTER CONTRACT #2
Pitt County Greenville, NC

DRAWING TITLE: NORTH CAROLINA CODE SUMMARY

SCALE: AS NOTED DEPARTMENT: CIVIL
DRAWN BY: J. SMITH DATE STARTED: 6-10-16 SHEET NO.:
CHECKED: D. KAUFFMAN DRAWING NO.:
APPROVED: R. JOHNSON
PROJECT NO.: 20150058

T1.1



1
T2.1 LIFE SAFETY PLAN
1/8" = 1'-0"



OCCUPANT LOAD:

- 100 SF PER OCCUPANT
- 8,800 SF PER BUILDING
- 88 CALCULATED OCCUPANT LOAD

EXIT WIDTH:

- 0.2" PER OCCUPANT
- 17.6" CALCULATED EXIT WIDTH BASED ON OCCUPANT LOAD
- ACTUAL EXIT WIDTH IS 8 OPENINGS TOTALING 2,022 INCHES



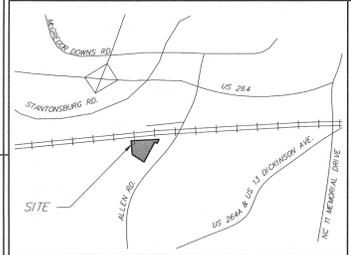
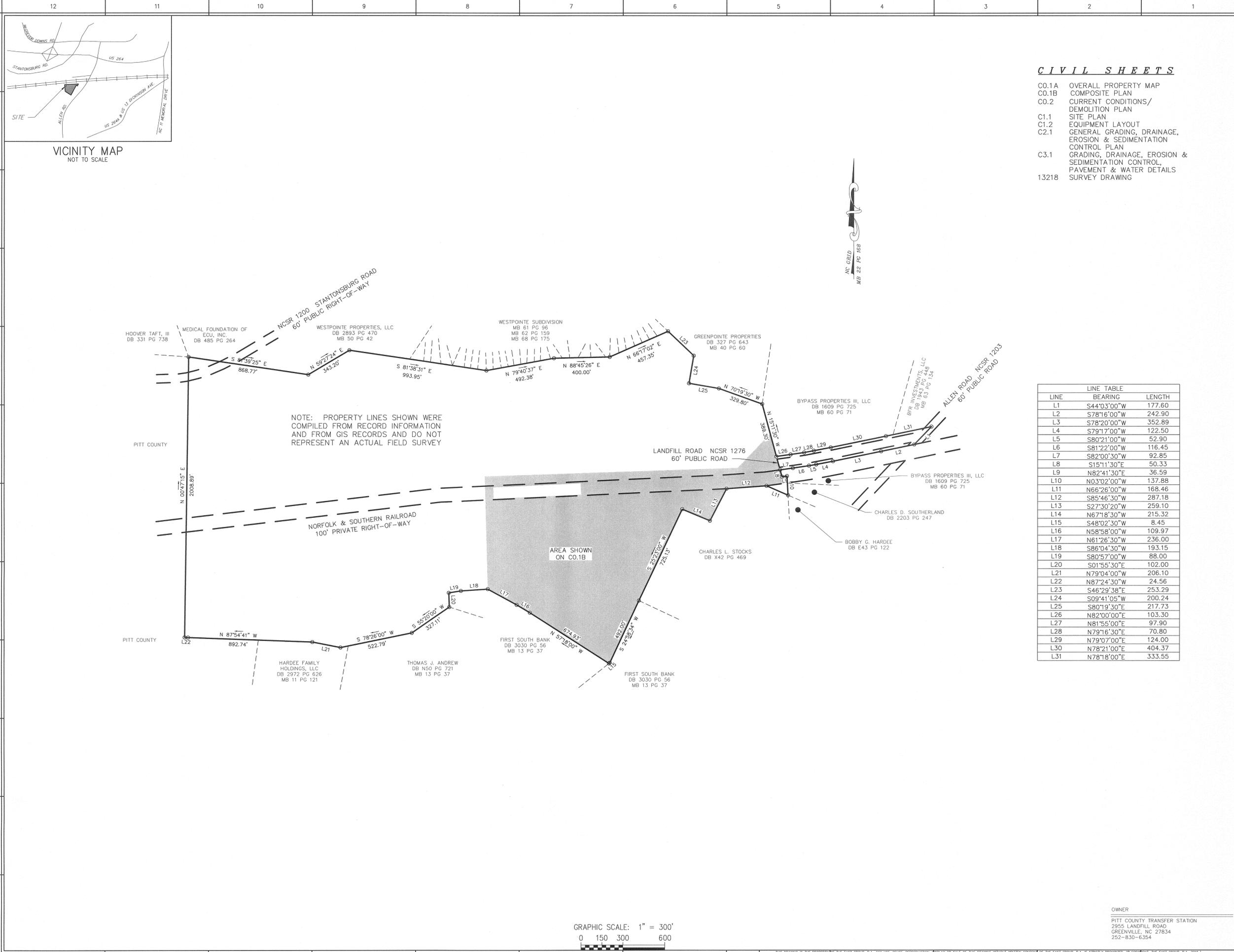
6/16/2016	ISSUE FOR BID - CONTRACT #2	JRS
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PROJECT TITLE
PITT COUNTY C&D RECYCLING CENTER CONTRACT #2
 Pitt County, Greenville, NC

DRAWING TITLE
LIFE SAFETY PLAN

SCALE AS NOTED	DEPARTMENT CIVIL
DRAWN BY J. SMITH	DATE STARTED 6-10-16
CHECKED D. KAUFFMAN	DRAWING NO.
APPROVED R. JOHNSON	T2.1
PROJECT NO. 20150058	

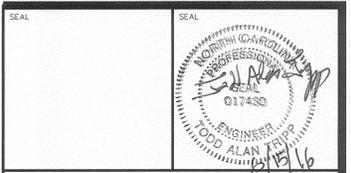


CIVIL SHEETS

- CO.1A OVERALL PROPERTY MAP
- CO.1B COMPOSITE PLAN
- CO.2 CURRENT CONDITIONS/
DEMOLITION PLAN
- C1.1 SITE PLAN
- C1.2 EQUIPMENT LAYOUT
- C2.1 GENERAL GRADING, DRAINAGE,
EROSION & SEDIMENTATION
CONTROL PLAN
- C3.1 GRADING, DRAINAGE, EROSION &
SEDIMENTATION CONTROL,
PAVEMENT & WATER DETAILS
- 13218 SURVEY DRAWING

LINE	BEARING	LENGTH
L1	S44°03'00"W	177.60
L2	S78°16'00"W	242.90
L3	S78°20'00"W	352.89
L4	S79°17'00"W	122.50
L5	S80°21'00"W	52.90
L6	S81°22'00"W	116.45
L7	S82°00'30"W	92.85
L8	S15°11'30"E	50.33
L9	N82°41'30"E	36.59
L10	N03°02'00"W	137.88
L11	N66°26'00"W	168.46
L12	S85°46'30"W	287.18
L13	S27°30'20"W	259.10
L14	N67°18'30"W	215.32
L15	S48°02'30"W	8.45
L16	N58°58'00"W	109.97
L17	N61°26'30"W	236.00
L18	S86°04'30"W	193.15
L19	S80°57'00"W	88.00
L20	S01°55'30"E	102.00
L21	N79°04'00"W	206.10
L22	N87°24'30"W	24.56
L23	S46°29'38"E	253.29
L24	S09°41'05"W	200.24
L25	S80°19'30"E	217.73
L26	N82°00'00"E	103.30
L27	N81°55'00"E	97.90
L28	N79°16'30"E	70.80
L29	N79°07'00"E	124.00
L30	N78°21'00"E	404.37
L31	N78°18'00"E	333.55

NOTE: PROPERTY LINES SHOWN WERE
COMPILED FROM RECORD INFORMATION
AND FROM GIS RECORDS AND DO NOT
REPRESENT AN ACTUAL FIELD SURVEY



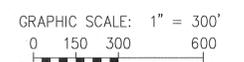
REV. NO.	DATE	REVISIONS	BY
△	06/16/16	ISSUE FOR BID - CONTRACT #2	TJH
△	04/15/16	ISSUE FOR BID - CONTRACT #1	SLJ
△	03/09/16	REVISED PER C.O.G. COMMENTS	SLJ
△	02/08/16	ISSUE FOR SITE PLAN REVIEW	SLJ

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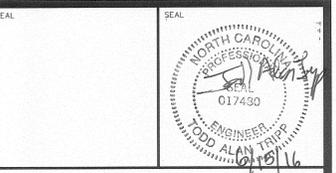
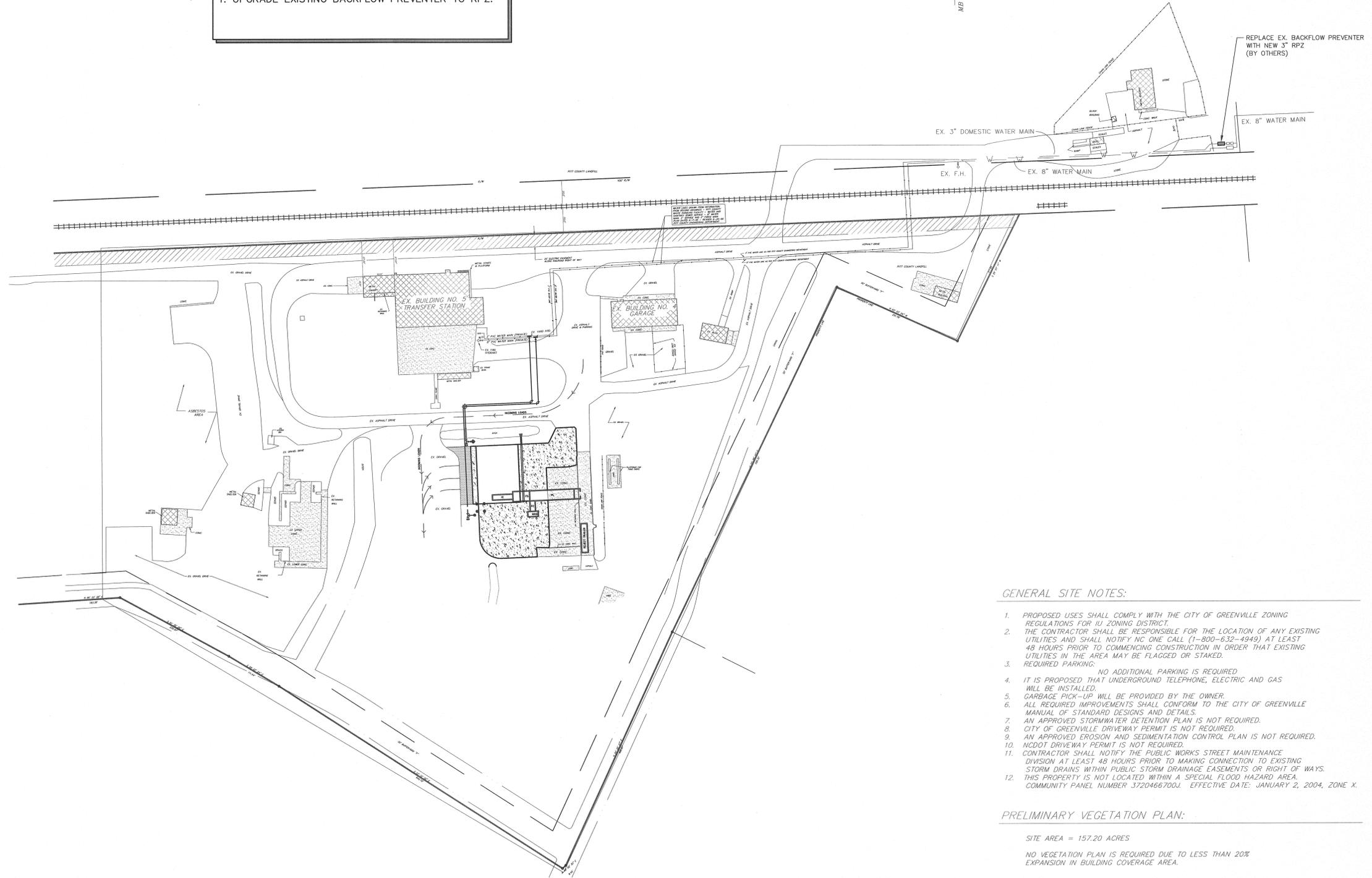
PROJECT TITLE
**PITT COUNTY C&D
 RECYCLING CENTER
 CONTRACT #2**
 Pitt County, Greenville, NC

DRAWING TITLE
Overall Property Map

SCALE AS NOTED	DEPARTMENT CIVIL
DRAWN BY SLJ	DATE STARTED 6/16/15
CHECKED TAT	DRAWING NO.
APPROVED TAT	C0.1A
PROJECT NO. 20150058	



NOTE:
1. UPGRADE EXISTING BACKFLOW PREVENTER TO RPZ.



LEGEND:

EIP	EXISTING IRON PIPE
IPS	IRON PIPE SET
NO PT	NO POINT
ECM	EXISTING CONCRETE MONUMENT
R/W	RIGHT OF WAY
C/L	CENTERLINE
P/L	PROPERTY LINE
P/P	POWER POLE
B/M	BENCHMARK
F/H	FIRE HYDRANT
W/V	WATER VALVE
CPP	CORRUGATED PLASTIC PIPE
M.E.	MATCH EXISTING
EC	EDGE OF CONCRETE
EP	EDGE OF PAVEMENT
FE	FINISHED ELEVATION
TA	TOP OF ASPHALT
INV.	INVERT
DI	DROP INLET
FES	FLARED END SECTION
EX.	EXISTING
IC	INFEED CONVEYOR
FS	FINGER SCREEN
FC	FINES CONVEYOR
MAG	OVERHEAD MAGNET
PL	PICKING LINE
RPZ	REDUCED PRESSURE ZONE
---	EX. STORM PIPE
---	PROPOSED UNDERGROUND ELECTRIC
---	PROPOSED WATER MAIN
[Pattern]	PROPOSED CONCRETE
[Pattern]	EXISTING CONCRETE
[Pattern]	PROPOSED GRAVEL

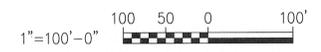
06/16/16	ISSUE FOR BID - CONTRACT #2	TJH	
04/15/16	ISSUE FOR BID - CONTRACT #1	SLJ	
03/09/16	REVISED PER C.O.G. COMMENTS	SLJ	
02/08/16	ISSUE FOR SITE PLAN REVIEW	SLJ	
REV. NO.	DATE	REVISIONS	BY

- GENERAL SITE NOTES:**
- PROPOSED USES SHALL COMPLY WITH THE CITY OF GREENVILLE ZONING REGULATIONS FOR IU ZONING DISTRICT.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ANY EXISTING UTILITIES AND SHALL NOTIFY NC ONE CALL (1-800-632-4949) AT LEAST 48 HOURS PRIOR TO COMMENCING CONSTRUCTION IN ORDER THAT EXISTING UTILITIES IN THE AREA MAY BE FLAGGED OR STAKED.
 - REQUIRED PARKING: NO ADDITIONAL PARKING IS REQUIRED
 - IT IS PROPOSED THAT UNDERGROUND TELEPHONE, ELECTRIC AND GAS WILL BE INSTALLED.
 - GARBAGE PICK-UP WILL BE PROVIDED BY THE OWNER.
 - ALL REQUIRED IMPROVEMENTS SHALL CONFORM TO THE CITY OF GREENVILLE MANUAL OF STANDARD DESIGNS AND DETAILS.
 - AN APPROVED STORMWATER DETENTION PLAN IS NOT REQUIRED.
 - CITY OF GREENVILLE DRIVEWAY PERMIT IS NOT REQUIRED.
 - AN APPROVED EROSION AND SEDIMENTATION CONTROL PLAN IS NOT REQUIRED.
 - NC DOT DRIVEWAY PERMIT IS NOT REQUIRED.
 - CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS STREET MAINTENANCE DIVISION AT LEAST 48 HOURS PRIOR TO MAKING CONNECTION TO EXISTING STORM DRAINS WITHIN PUBLIC STORM DRAINAGE EASEMENTS OR RIGHT OF WAYS.
 - THIS PROPERTY IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD AREA. COMMUNITY PANEL NUMBER 3720466700J. EFFECTIVE DATE: JANUARY 2, 2004, ZONE X.

PRELIMINARY VEGETATION PLAN:

SITE AREA = 157.20 ACRES

NO VEGETATION PLAN IS REQUIRED DUE TO LESS THAN 20% EXPANSION IN BUILDING COVERAGE AREA.



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PROJECT TITLE

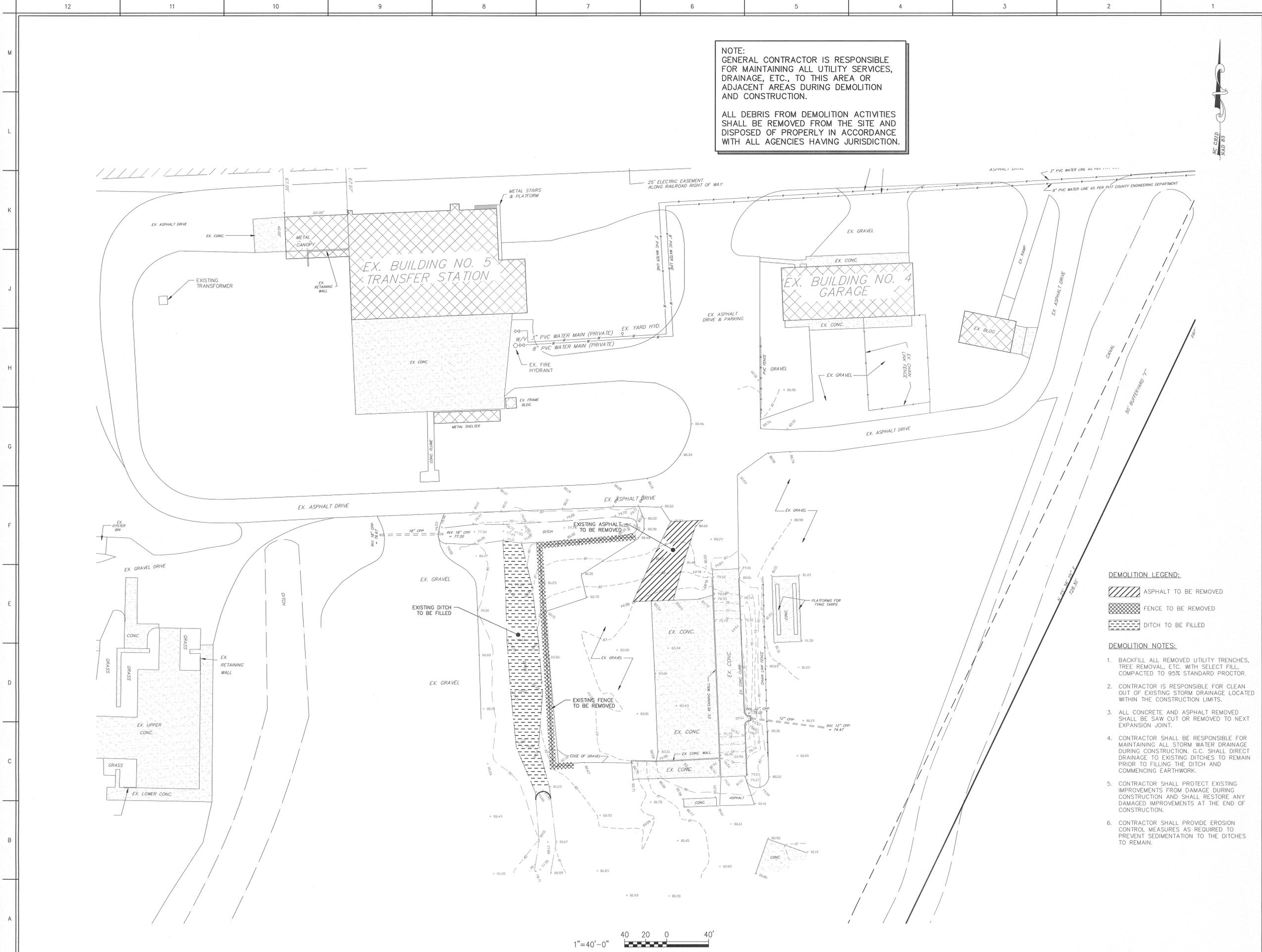
PITT COUNTY C&D RECYCLING CENTER CONTRACT #2

Pitt County Greenville, NC

DRAWING TITLE

Composite Plan

SCALE	AS NOTED	DEPARTMENT	CIVIL
DRAWN BY	SLJ	DATE STARTED	6/16/15
CHECKED	TAT	DRAWING NO.	C0.1B
APPROVED	TAT	PROJECT NO.	20150058



NOTE:
 GENERAL CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL UTILITY SERVICES, DRAINAGE, ETC., TO THIS AREA OR ADJACENT AREAS DURING DEMOLITION AND CONSTRUCTION.

ALL DEBRIS FROM DEMOLITION ACTIVITIES SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY IN ACCORDANCE WITH ALL AGENCIES HAVING JURISDICTION.



LEGEND:

EIP	EXISTING IRON PIPE
IPS	IRON PIPE SET
NO PT	NO POINT
ECM	EXISTING CONCRETE MONUMENT
R/W	RIGHT OF WAY
C/L	CENTERLINE
P/L	PROPERTY LINE
P/P	POWER POLE
B/M	BENCHMARK
F/H	FIRE HYDRANT
W/V	WATER VALVE
CPP	CORRUGATED PLASTIC PIPE
M.E.	MATCH EXISTING
EC	EDGE OF CONCRETE
EP	EDGE OF PAVEMENT
FE	FINISHED ELEVATION
TA	TOP OF ASPHALT
INV.	INVERT
DI	DROP INLET
FES	FLARED END SECTION
EX.	EXISTING
-82-	EX. CONTOUR
x 92.00	EX. SPOT ELEVATION
---	EX. STORM PIPE

SITE DATA:
 EXISTING IMPERVIOUS.....13.00 AC.

DEMOLITION LEGEND:

	ASPHALT TO BE REMOVED
	FENCE TO BE REMOVED
	DITCH TO BE FILLED

- DEMOLITION NOTES:**
- BACKFILL ALL REMOVED UTILITY TRENCHES, TREE REMOVAL, ETC. WITH SELECT FILL, COMPACTED TO 95% STANDARD PROCTOR.
 - CONTRACTOR IS RESPONSIBLE FOR CLEAN OUT OF EXISTING STORM DRAINAGE LOCATED WITHIN THE CONSTRUCTION LIMITS.
 - ALL CONCRETE AND ASPHALT REMOVED SHALL BE SAW CUT OR REMOVED TO NEXT EXPANSION JOINT.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL STORM WATER DRAINAGE DURING CONSTRUCTION. G.C. SHALL DIRECT DRAINAGE TO EXISTING DITCHES TO REMAIN PRIOR TO FILLING THE DITCH AND COMMENCING EARTHWORK.
 - CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS FROM DAMAGE DURING CONSTRUCTION AND SHALL RESTORE ANY DAMAGED IMPROVEMENTS AT THE END OF CONSTRUCTION.
 - CONTRACTOR SHALL PROVIDE EROSION CONTROL MEASURES AS REQUIRED TO PREVENT SEDIMENTATION TO THE DITCHES TO REMAIN.

	06/16/16	ISSUE FOR BID - CONTRACT #2	SLJ
	04/15/16	ISSUE FOR BID - CONTRACT #1	SLJ
	03/09/16	REVISED PER C.O.G. COMMENTS	SLJ
	02/29/16	REVISED PER GUC COMMENTS	SLJ
	02/08/16	ISSUE FOR SITE PLAN REVIEW	SLJ
REV. NO.	DATE	REVISIONS	BY

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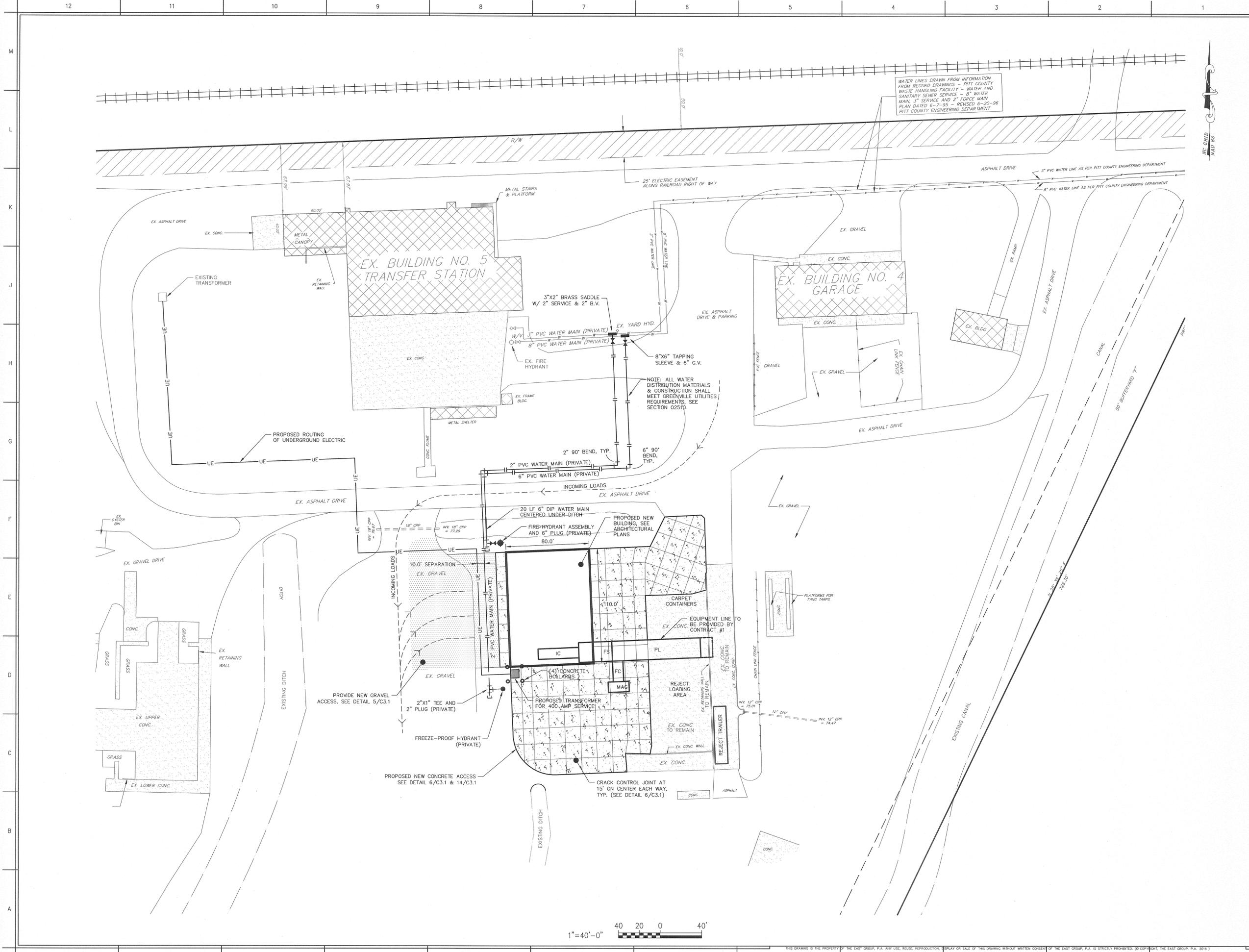
PROJECT TITLE
**PITT COUNTY C&D
 RECYCLING CENTER
 CONTRACT #2**
 Pitt County Greenville, NC

DRAWING TITLE
**Current Conditions/
 Demolition Plan**

SCALE	AS NOTED	DEPARTMENT	CIVIL
DRAWN BY	SLJ	DATE STARTED	6/16/15
CHECKED	TAT	DRAWING NO.	
APPROVED	TAT		
PROJECT NO.	20150058		

C0.2





WATER LINES DRAWN FROM INFORMATION FROM RECORD DRAWINGS - PITT COUNTY WASTE HANDLING FACILITY - WATER AND SANITARY SEWER SERVICE - 8" WATER MAIN, 3" SERVICE AND 2" FORCE MAIN PLAN DATED 6-7-95 - REVISED 6-30-96 PITT COUNTY ENGINEERING DEPARTMENT

SITE DATA:

TOTAL ACREAGE	157.20 AC.
ZONING	IU
PHYSICAL ADDRESS	2955 LANDFILL RD.
CITY/STATE/ZIP	GREENVILLE, NC 27834
BUILDING TYPE/USE	C&D RECYCLING
OWNER NAME	PITT COUNTY
OWNER ADDRESS	1717 W FIFTH ST.
CITY/STATE/ZIP	GREENVILLE, NC 27834
LAND USE	PITT COUNTY LANDFILL
BLOCK/LOT	-
PARCEL No.	09982
PIN No.	4667661433
SUBDIVISION	-
DEED BOOK/PAGE	DB L42 PG 69
MAP BOOK	MB 22 PG 168
MUNICIPALITY	GREENVILLE
TOWNSHIP	ARTHUR
NEIGHBORHOOD	004068
BUILDING AREA	8,800 SF
BUILDING HEIGHT	.32 FT
DISTURBED AREA	1.06 AC.
EXISTING	13.00 AC.
PROPOSED	0.39 AC.
TOTAL	13.39 AC.
DISTURBED AREA	0.90 AC.

LEGEND:

EIP	EXISTING IRON PIPE
IPS	IRON PIPE SET
NO PT	NO POINT
ECM	EXISTING CONCRETE MONUMENT
R/W	RIGHT OF WAY
C/L	CENTERLINE
P/L	PROPERTY LINE
P/P	POWER POLE
B/M	BENCHMARK
F/H	FIRE HYDRANT
W/V	WATER VALVE
CPV	CORRUGATED PLASTIC PIPE
M.E.	MATCH EXISTING
EC	EDGE OF CONCRETE
EP	EDGE OF PAVEMENT
FE	FINISHED ELEVATION
TA	TOP OF ASPHALT
INV.	INVERT
DI	DROP INLET
FES	FLARED END SECTION
EX.	EXISTING
IC	INFED CONVEYOR
FS	FINGER SCREEN
FC	FINES CONVEYOR
MAG	OVERHEAD MAGNET
PL	PICKING LINE
---	EX. STORM PIPE
-UE-	PROPOSED UNDERGROUND ELECTRIC
-W-	PROPOSED WATER MAIN
[Pattern]	PROPOSED CONCRETE
[Pattern]	EXISTING CONCRETE
[Pattern]	PROPOSED GRAVEL

06/16/16	ISSUE FOR BID - CONTRACT #2	SLJ
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03/09/16	REVISED PER C.O.G. COMMENTS	SLJ
02/29/16	REVISED PER GUC COMMENTS	SLJ
02/08/16	ISSUE FOR SITE PLAN REVIEW	SLJ

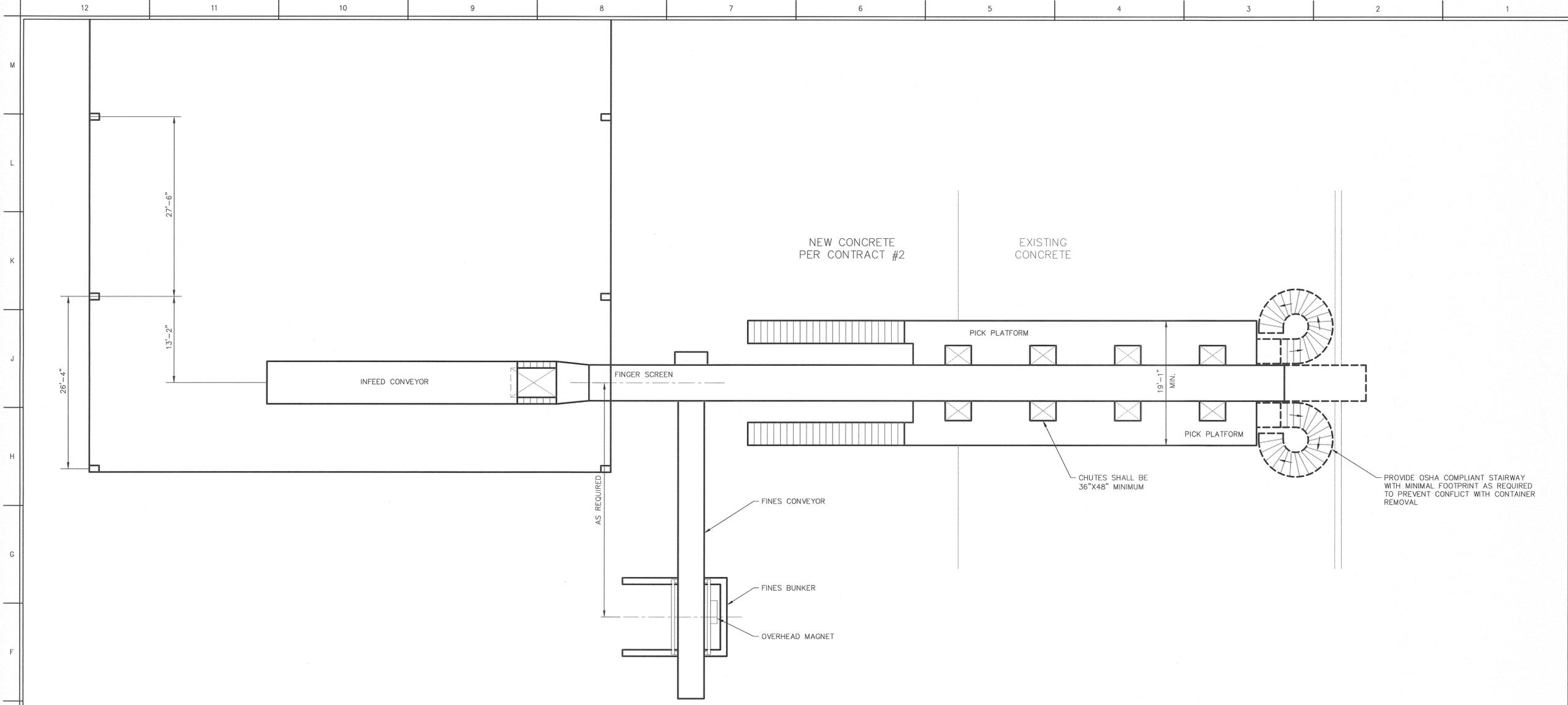
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PROJECT TITLE:
 PITT COUNTY C&D RECYCLING CENTER
 CONTRACT #2
 Pitt County, Greenville, NC

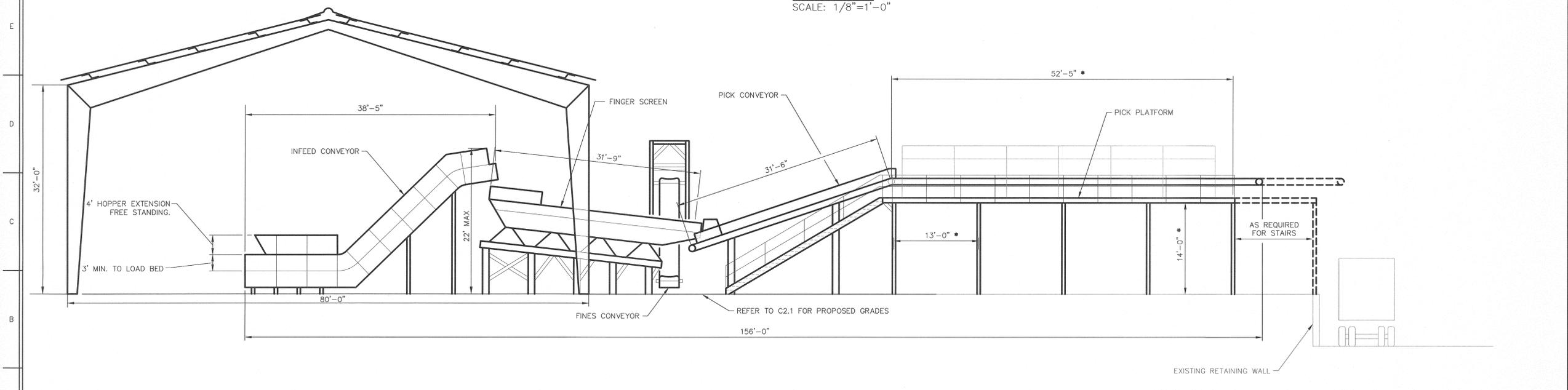
DRAWING TITLE:
 Site Plan

SCALE	AS NOTED	DEPARTMENT	CIVIL
DRAWN BY	SLJ	DATE STARTED	6/16/15
CHECKED	TAT	SHEET No.	
APPROVED	TAT	DRAWING No.	
PROJECT No.	20150058		C1.1

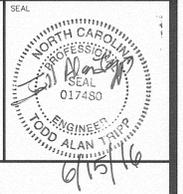
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PLAN VIEW
SCALE: 1/8"=1'-0"



ELEVATION VIEW
SCALE: 1/8"=1'-0"



- NOTES:**
1. DIMENSIONS SHOWN WITH AN ASTERISK ARE INTENDED TO BE THE MINIMUM ACCEPTABLE DIMENSIONS. ALL OTHERS ARE APPROXIMATE AND MAY BE SUBJECT TO VARIATION DEPENDENT ON MANUFACTURE'S EQUIPMENT DIMENSIONS. PROVIDE A LAYOUT OF EQUIPMENT DIMENSIONS IN THE BID PACKAGE.
 2. FINAL LOCATION OF EQUIPMENT SHALL BE ARRANGED TO PROVIDE CONVEYANCE OF OVERS FROM PICKING LINE TO TRUCK.
 3. DESIGN COLUMN CONNECTIONS TO CONCRETE FOR WEDGE ANCHOR BOLTS (RED-HEADS) TO ALLOW ADJUSTMENT OF FINAL EQUIPMENT LOCATIONS.
 4. SEE DIVISION 9 FOR PAINTING SPECIFICATIONS.
 5. HANDRAILS AND GUARDING SHALL BE PAINTED SAFETY YELLOW AND ALL OTHER EQUIPMENT SHALL BE PAINTED BLUE OR GREEN AT OWNER'S OPTION.
 6. HANDRAILS AND GUARDING SHALL COMPLY WITH APPLICABLE OSHA STANDARDS.
 7. DISSIMILAR METALS MUST BE DIELECTRICALLY ISOLATED.

06/16/16	ISSUE FOR BID - CONTRACT #2	SLJ
04/15/16	ISSUE FOR BID - CONTRACT #1	SLJ
REV. NO.	DATE	REVISIONS
		BY

THE EAST GROUP, P.A.
Engineering • Architecture • Surveying • Technology
 314 Evans St., Greenville, NC 27834 (252) 758-3746 (252) 830-3564 (Fax)
 4325 Lake Boone Trail, Suite 311, Raleigh, NC 27607 (919) 784-9330 (919) 784-9331 (Fax)
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PROJECT TITLE
**PITT COUNTY C&D
 RECYCLING CENTER
 CONTRACT #2**
 Pitt County, Greenville, NC

DRAWING TITLE
**EQUIPMENT LAYOUT
 REFERENCE ONLY**

SCALE AS NOTED	DEPARTMENT CIVIL
DRAWN BY SLJ	DATE STARTED 4/13/16
CHECKED TAT	SHEET No.
APPROVED TAT	DRAWING NO.
PROJECT NO. 20150058	C1.2

GROUND STABILIZATION		
SITE AREA DESCRIPTION	STABILIZATION TIME FRAME	STABILIZATION TIME FRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HOW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50 FEET IN LENGTH
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE (EXCEPT FOR PERIMETERS AND HOW ZONES)

SEEDING AND MULCHING

ALL ROADWAY AREAS

MARCH 1 - AUGUST 31	SEPTEMBER 1 - FEBRUARY 28
50# TALL FESCUE	50# TALL FESCUE
10# CENTIPEDE	10# CENTIPEDE
25# BERMUDAGRASS (HULLED)	35# BERMUDAGRASS (HULLED)
500# FERTILIZER	500# FERTILIZER
4000# LIMESTONE	4000# LIMESTONE

WATER AND BORROW LOCATIONS

MARCH 1 - AUGUST 31	SEPTEMBER 1 - FEBRUARY 28
75# TALL FESCUE	75# TALL FESCUE
25# BERMUDAGRASS (HULLED)	35# BERMUDAGRASS (HULLED)
500# FERTILIZER	500# FERTILIZER
4000# LIMESTONE	4000# LIMESTONE

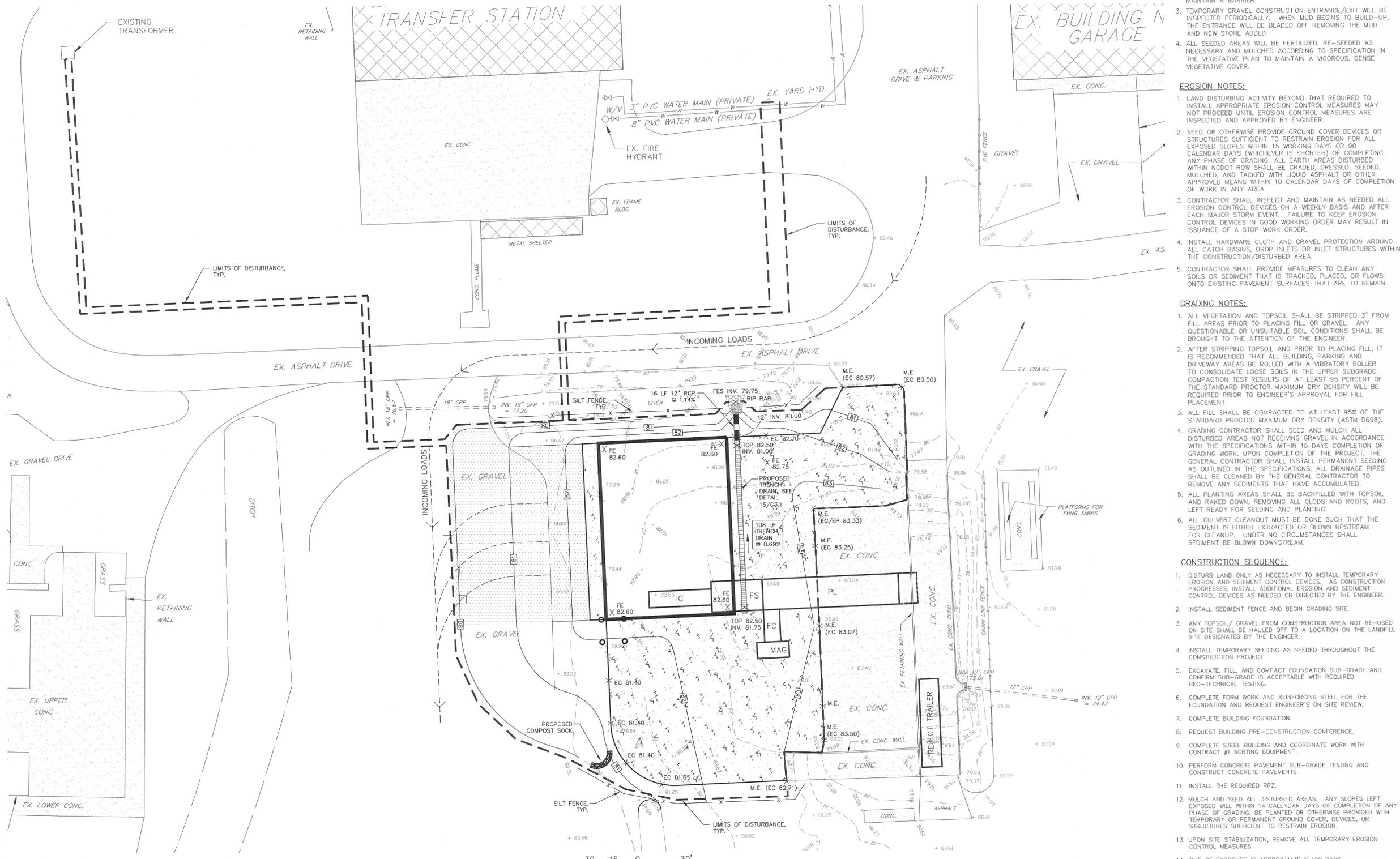
NOTE: 50# OF BAHAGRASS MAY BE SUBSTITUTED FOR EITHER CENTIPEDE OR BERMUDAGRASS ONLY UPON ENGINEER'S REQUEST.

TEMPORARY SEEDING

DATE	SEEDING	AMOUNT
APR 15-AUG 14	GERMAN MILLET	50 LBS/ACRE
AUG 15-APR 14	RYE (GRAIN)	50 LBS/ACRE
YEAR ROUND	FERTILIZER 10-10-10 ANALYSIS	400 LBS/ACRE

VEGETATIVE PLAN:

VEGETATIVE COVER SHALL BE IN ACCORDANCE WITH THE SEEDING SCHEDULE AND THE FOLLOWING SPECIFICATION SECTIONS:
SECTION 0210 EROSION & POLLUTION CONTROL
SECTION 0228 CLEAN-UP & SEEDING



MAINTENANCE PLAN:

- ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND SEPARATION FOLLOWING EVERY RUN-OFF PRODUCING RAINFALL, BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED.
- SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES 0.5 FT DEEP AT THE FENCE. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER.
- TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT WILL BE INSPECTED PERIODICALLY. WHEN MUD BEGINS TO BUILD-UP, THE ENTRANCE WILL BE BLADED OFF REMOVING THE MUD AND NEW STONE ADDED.
- ALL SEEDED AREAS WILL BE FERTILIZED, RE-SEED AS NECESSARY AND MULCHED ACCORDING TO SPECIFICATION IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER.

EROSION NOTES:

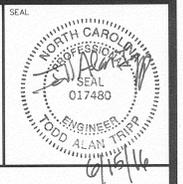
- LAND DISTURBING ACTIVITY BEYOND THAT REQUIRED TO INSTALL APPROPRIATE EROSION CONTROL MEASURES MAY NOT PROCEED UNTIL EROSION CONTROL MEASURES ARE INSPECTED AND APPROVED BY ENGINEER.
- SEED OR OTHERWISE PROVIDE GROUND COVER DEVICES OR STRUCTURES SUFFICIENT TO RESTRAIN EROSION FOR ALL EXPOSED SLOPES WITHIN 15 WORKING DAYS OR 90 CALENDAR DAYS (WHICHEVER IS SHORTER) OF COMPLETING ANY PHASE OF GRADING. ALL EARTH AREAS DISTURBED WITHIN NCDOT ROW SHALL BE GRADED, DRESSED, SEED, MULCHED, AND TACKED WITH LIQUID ASPHALT OR OTHER APPROVED MEANS WITHIN 10 CALENDAR DAYS OF COMPLETION OF WORK IN ANY AREA.
- CONTRACTOR SHALL INSPECT AND MAINTAIN AS NEEDED ALL EROSION CONTROL DEVICES ON A WEEKLY BASIS AND AFTER EACH MAJOR STORM EVENT. FAILURE TO KEEP EROSION CONTROL DEVICES IN GOOD WORKING ORDER MAY RESULT IN ISSUANCE OF A STOP WORK ORDER.
- INSTALL HARDWARE CLOTH AND GRAVEL PROTECTION AROUND ALL CATCH BASINS, DROP INLETS OR INLET STRUCTURES WITHIN THE CONSTRUCTION/DISTURBED AREA.
- CONTRACTOR SHALL PROVIDE MEASURES TO CLEAN ANY SOILS OR SEDIMENT THAT IS TRACKED, PLACED, OR FLOWS ONTO EXISTING PAVEMENT SURFACES THAT ARE TO REMAIN.

GRADING NOTES:

- ALL VEGETATION AND TOPSOIL SHALL BE STRIPPED 3" FROM FILL AREAS PRIOR TO PLACING FILL OR GRAVEL. ANY QUESTIONABLE OR UNSUITABLE SOIL CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
- AFTER STRIPPING TOPSOIL AND PRIOR TO PLACING FILL, IT IS RECOMMENDED THAT ALL BUILDING, PARKING AND DRIVEWAY AREAS BE ROLLED WITH A VIBRATORY ROLLER TO CONSOLIDATE LOOSE SOILS IN THE UPPER SUBGRADE. COMPACTION TEST RESULTS OF AT LEAST 95 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY WILL BE REQUIRED PRIOR TO ENGINEER'S APPROVAL FOR FILL PLACEMENT.
- ALL FILL SHALL BE COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D698).
- GRADING CONTRACTOR SHALL SEED AND MULCH ALL DISTURBED AREAS NOT RECEIVING GRAVEL IN ACCORDANCE WITH THE SPECIFICATIONS WITHIN 15 DAYS COMPLETION OF GRADING WORK. UPON COMPLETION OF THE PROJECT, THE GENERAL CONTRACTOR SHALL INSTALL PERMANENT SEEDING AS OUTLINED IN THE SPECIFICATIONS. ALL DRAINAGE PIPES SHALL BE CLEANED BY THE GENERAL CONTRACTOR TO REMOVE ANY SEDIMENTS THAT HAVE ACCUMULATED.
- ALL PLANTING AREAS SHALL BE BACKFILLED WITH TOPSOIL AND RAKED DOWN, REMOVING ALL CLODS AND ROOTS, AND LEFT READY FOR SEEDING AND PLANTING.
- ALL CULVERT CLEANOUT MUST BE DONE SUCH THAT THE SEDIMENT IS EITHER EXTRACTED OR BLOWN UPSTREAM FOR CLEANUP. UNDER NO CIRCUMSTANCES SHALL SEDIMENT BE BLOWN DOWNSTREAM.

CONSTRUCTION SEQUENCE:

- DISTURB LAND ONLY AS NECESSARY TO INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES. AS CONSTRUCTION PROGRESSES, INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES AS NEEDED OR DIRECTED BY THE ENGINEER.
- INSTALL SEDIMENT FENCE AND BEGIN GRADING SITE.
- ANY TOPSOIL/ GRAVEL FROM CONSTRUCTION AREA NOT RE-USED ON SITE SHALL BE HAULED OFF TO A LOCATION ON THE LANDFILL SITE DESIGNATED BY THE ENGINEER.
- INSTALL TEMPORARY SEEDING AS NEEDED THROUGHOUT THE CONSTRUCTION PROJECT.
- EXCAVATE, FILL, AND COMPACT FOUNDATION SUB-GRADE AND CONFIRM SUB-GRADE IS ACCEPTABLE WITH REQUIRED GEO-TECHNICAL TESTING.
- COMPLETE FORM WORK AND REINFORCING STEEL FOR THE FOUNDATION AND REQUEST ENGINEER'S ON SITE REVIEW.
- COMPLETE BUILDING FOUNDATION.
- REQUEST BUILDING PRE-CONSTRUCTION CONFERENCE.
- COMPLETE STEEL BUILDING AND COORDINATE WORK WITH CONTRACT #1 SORTING EQUIPMENT.
- PERFORM CONCRETE PAVEMENT SUB-GRADE TESTING AND CONSTRUCT CONCRETE PAVEMENTS.
- INSTALL THE REQUIRED RPZ.
- MULCH AND SEED ALL DISTURBED AREAS. ANY SLOPES LEFT EXPOSED WILL WITHIN 14 CALENDAR DAYS OF COMPLETION OF ANY PHASE OF GRADING, BE PLANTED OR OTHERWISE PROVIDED WITH TEMPORARY OR PERMANENT GROUND COVER, DEVICES, OR STRUCTURES SUFFICIENT TO RESTRAIN EROSION.
- UPON SITE STABILIZATION, REMOVE ALL TEMPORARY EROSION CONTROL MEASURES.
- TIME OF EXPOSURE IS APPROXIMATELY 120 DAYS.



LEGEND:

EIP	EXISTING IRON PIPE
IPS	IRON PIPE SET
NO PT	NO POINT
ECM	EXISTING CONCRETE MONUMENT
R/W	RIGHT OF WAY
C/L	CENTERLINE
P/L	PROPERTY LINE
P/P	POWER POLE
B/M	BENCHMARK
F/H	FIRE HYDRANT
W/V	WATER VALVE
CPP	CORRUGATED PLASTIC PIPE
M.E.	MATCH EXISTING
EC	EDGE OF CONCRETE
EP	EDGE OF PAVEMENT
FE	FINISHED ELEVATION
TA	TOP OF ASPHALT
INV.	INVERT
DI	DROP INLET
FES	FLARED END SECTION
EX.	EXISTING
-82	EX. CONTOUR
x 82.00	EX. SPOT ELEVATION
[82]	PROPOSED CONTOUR
---	EX. STORM PIPE
---	PROPOSED STORM PIPE
x	SILT FENCE
---	LIMITS OF DISTURBANCE

SITE DATA:

DISTURBED AREA.....0.90 AC.

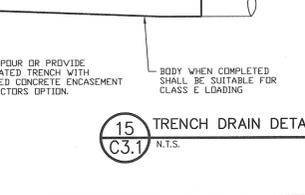
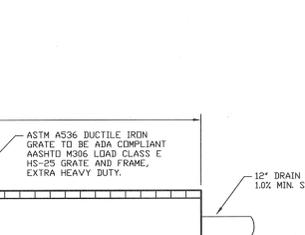
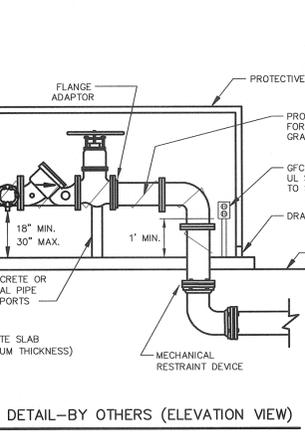
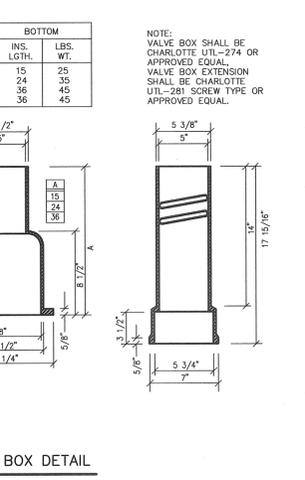
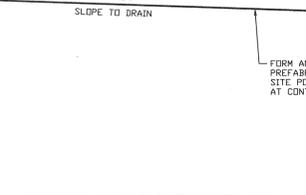
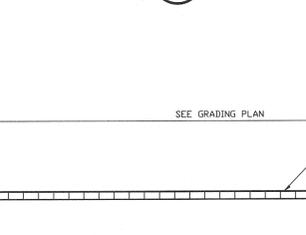
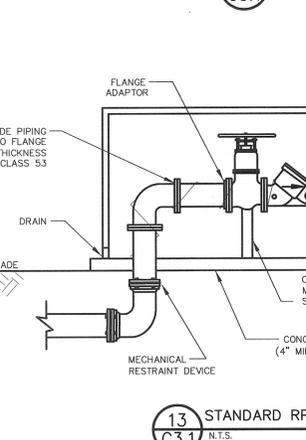
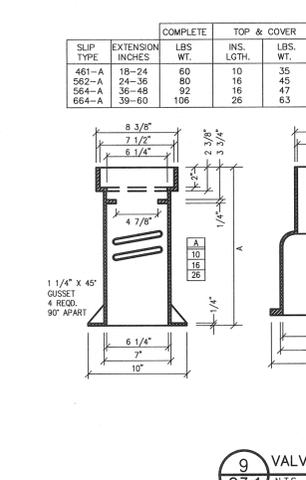
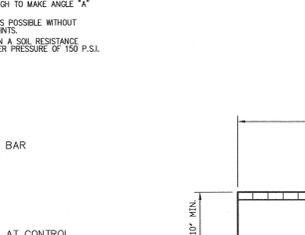
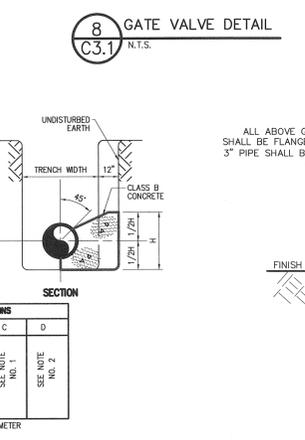
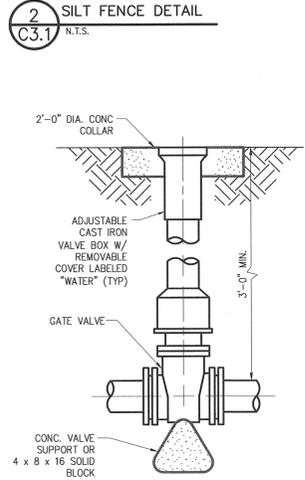
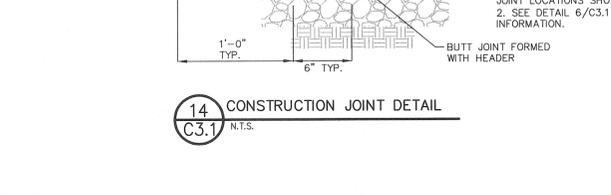
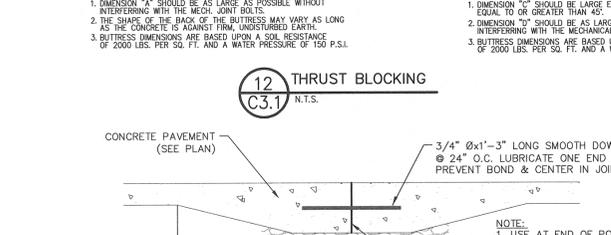
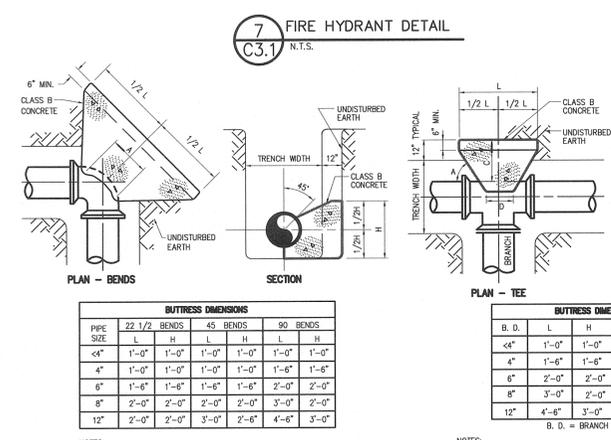
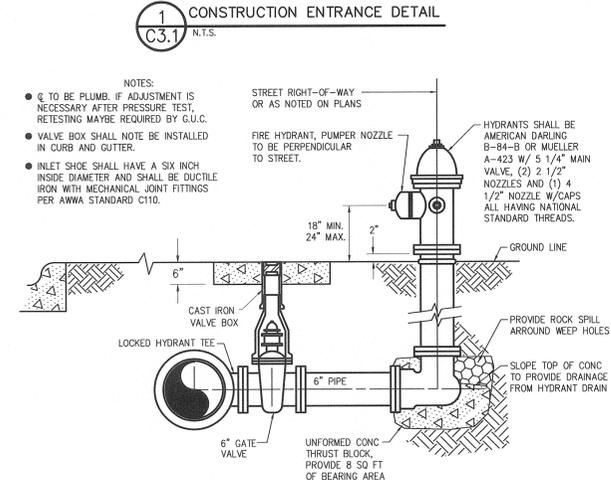
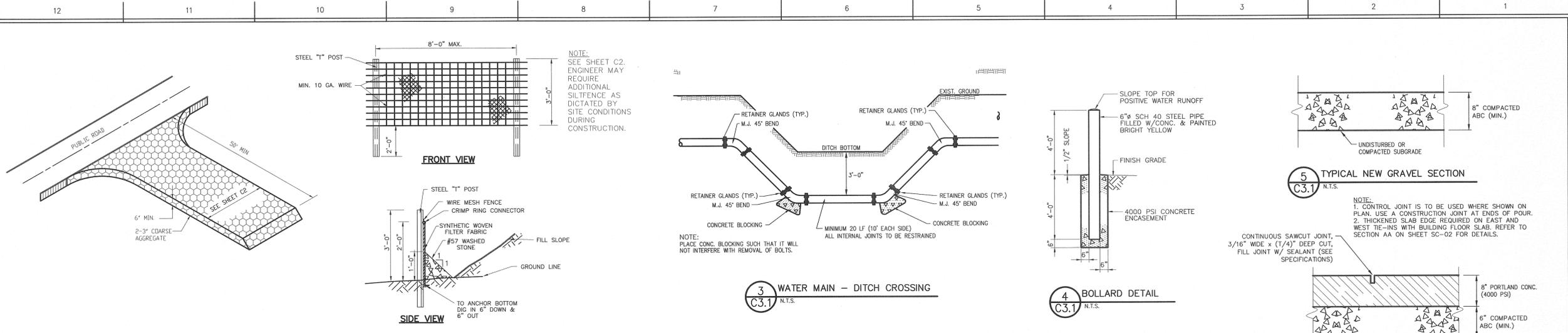
REV. NO.	DATE	REVISIONS	BY
06/16/16		ISSUE FOR BID - CONTRACT #2	TJH
04/15/16		ISSUE FOR BID - CONTRACT #1	SLJ
03/09/16		REVISED PER C.O.G. COMMENTS	SLJ
02/08/16		ISSUE FOR SITE PLAN REVIEW	SLJ

THE EAST GROUP, P.A.
 Engineering • Architecture • Surveying • Technology
 314 Evans St., Greenville, NC 27838 (252) 758-3746 (252) 830-3954 (Fax)
 4375 Lake Boone Trail, Suite 311, Raleigh, NC 27607 (919) 784-9330 (919) 784-9331 (Fax)
 NC Engineering License No. C-02056 • NC Architectural License No. 50203

PROJECT TITLE
PITT COUNTY C&D RECYCLING CENTER CONTRACT #2
 Pitt County Greenville, NC

DRAWING TITLE
General Grading, Drainage, Erosion & Sedimentation Control Plan

SCALE	DEPARTMENT
AS NOTED	CIVIL
DRAWN BY SLJ	DATE STARTED 6/16/15
CHECKED TAT	DRAWING NO.
APPROVED TAT	C2.1
PROJECT NO. 20150058	



COMPLETE		TOP & COVER		BOTTOM	
SLIP TYPE	EXTENSION INCHES	LBS WT.	INS. LGTH.	LBS. WT.	INS. LGTH.
461-A	18-24	60	10	35	15
562-A	24-36	80	16	45	24
564-A	36-48	92	16	47	36
664-A	39-60	106	26	63	45

B. D.	L	H	C	D
4"	1'-0"	1'-0"	1'-0"	1'-0"
4"	1'-6"	1'-6"	1'-6"	1'-6"
6"	2'-0"	2'-0"	2'-0"	2'-0"
8"	3'-0"	3'-0"	3'-0"	3'-0"
12"	4'-6"	3'-0"	4'-6"	3'-0"

PIPE SIZE	22 1/2 BENDS	45 BENDS	90 BENDS
L	H	L	H
4"	1'-0"	1'-0"	1'-0"
4"	1'-0"	1'-0"	1'-0"
6"	1'-6"	1'-6"	2'-0"
8"	2'-0"	2'-0"	2'-0"
12"	2'-0"	3'-0"	4'-6"

B. D.	L	H	C	D
4"	1'-0"	1'-0"	1'-0"	1'-0"
4"	1'-6"	1'-6"	1'-6"	1'-6"
6"	2'-0"	2'-0"	2'-0"	2'-0"
8"	3'-0"	3'-0"	3'-0"	3'-0"
12"	4'-6"	3'-0"	4'-6"	3'-0"

NOTES:
 1. DIMENSION "A" SHOULD BE AS LARGE AS POSSIBLE WITHOUT INTERFERING WITH THE MECH. JOINT BOLTS.
 2. THE SHAPE OF THE BACK OF THE BUTTRESS MAY VARY AS LONG AS THE CONCRETE IS AGAINST FIRM UNDISTURBED EARTH.
 3. BUTTRESS DIMENSIONS ARE BASED UPON A SOIL RESISTANCE OF 2000 LBS. PER SQ. FT. AND A WATER PRESSURE OF 150 P.S.I.

NOTES:
 1. DIMENSION "A" SHOULD BE AS LARGE AS POSSIBLE WITHOUT INTERFERING WITH THE MECH. JOINT BOLTS.
 2. DIMENSION "D" SHOULD BE AS LARGE AS POSSIBLE WITHOUT INTERFERING WITH THE MECHANICAL JOINTS.
 3. BUTTRESS DIMENSIONS ARE BASED UPON A SOIL RESISTANCE OF 2000 LBS. PER SQ. FT. AND A WATER PRESSURE OF 150 P.S.I.

NOTES:
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REV. NO.	DATE	REVISIONS	BY
A	06/16/16	ISSUE FOR BID - CONTRACT #2	TJH
A	04/15/16	ISSUE FOR BID - CONTRACT #1	SLJ
B	03/09/16	REVISED PER C.O.G. COMMENTS	SLJ
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PROJECT TITLE

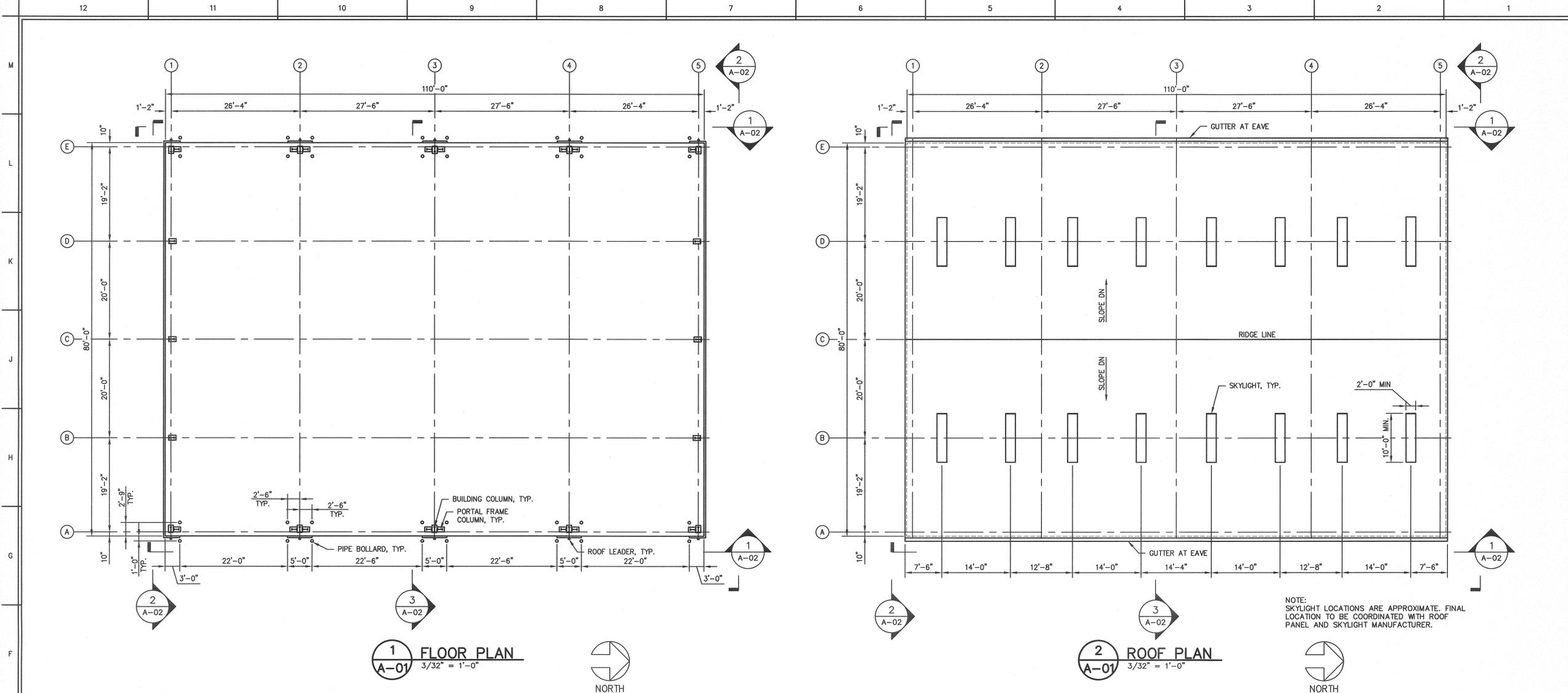
**PITT COUNTY C&D
 RECYCLING CENTER
 CONTRACT #2**

Pitt County, Greenville, NC

DRAWING TITLE

Civil Details

SCALE	DEPARTMENT
AS NOTED	CIVIL
DRAWN BY SLJ	DATE STARTED 6/16/15
CHECKED TAT	DRAWING NO.
APPROVED TAT	C3.1
PROJECT NO. 20150058	



1 FLOOR PLAN
3/32" = 1'-0"

2 ROOF PLAN
3/32" = 1'-0"

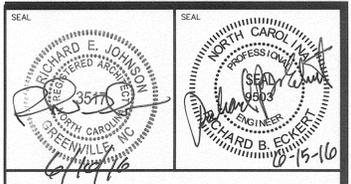
NOTE: SKYLIGHT LOCATIONS ARE APPROXIMATE. FINAL LOCATION TO BE COORDINATED WITH ROOF PANEL AND SKYLIGHT MANUFACTURER.

BUILDING STRUCTURE DESIGN LOADS:

1. DESIGN LOADS ARE FROM REQUIREMENTS OF 2012 NORTH CAROLINA STATE BUILDING CODE AND ASCE 7-05. DESIGN OCCUPANCY CATEGORY IS II.
2. ROOF LOADS
 - 2.1. DEAD - WEIGHT OF ROOF DECK AND FRAMING 5 PSF
 - 2.2. COLLATERAL 20 PSF
 - 2.3. LIVE (REDUCIBLE)
3. FLOOR LIVE LOAD 1,000 PSF
4. SNOW LOAD
 - 4.1. GROUND SNOW LOAD 10 PSF
 - 4.2. EXPOSURE FACTOR 1.0
 - 4.3. THERMAL FACTOR 1.2
 - 4.4. IMPORTANCE FACTOR 1.0
 - 4.5. SLOPED ROOF SNOW LOAD 8.4 PSF
5. WIND LOAD
 - 5.1. BASIC WIND SPEED 110 MPH
 - 5.2. IMPORTANCE FACTOR 1.0
 - 5.3. EXPOSURE CATEGORY C
 - 5.4. ENCLOSURE CLASSIFICATION ENCLOSED
6. EARTHQUAKE LOAD
 - 6.1. MCE GROUND MOTION OF 0.2 SEC. SPECTRAL RESPONSE ACCELERATION 0.175g
 - 6.2. MCE GROUND MOTION OF 1.0 SEC. SPECTRAL RESPONSE ACCELERATION 0.07g
 - 6.3. SITE CLASS D
 - 6.4. IMPORTANCE FACTOR 1.0
 - 6.5. SEISMIC DESIGN CATEGORY B

REFERENCE NOTES

1. SEE DWGS SC-01 & SC-02 FOR CONCRETE FOUNDATION PLAN AND DETAILS
2. SEE DWGS E0.1, E4.1 & E4.2 FOR POWER, LIGHTING AND DETAILS.
3. SEE SECTION 13125 FOR GENERAL METAL BUILDING SYSTEMS SPECIFICATIONS



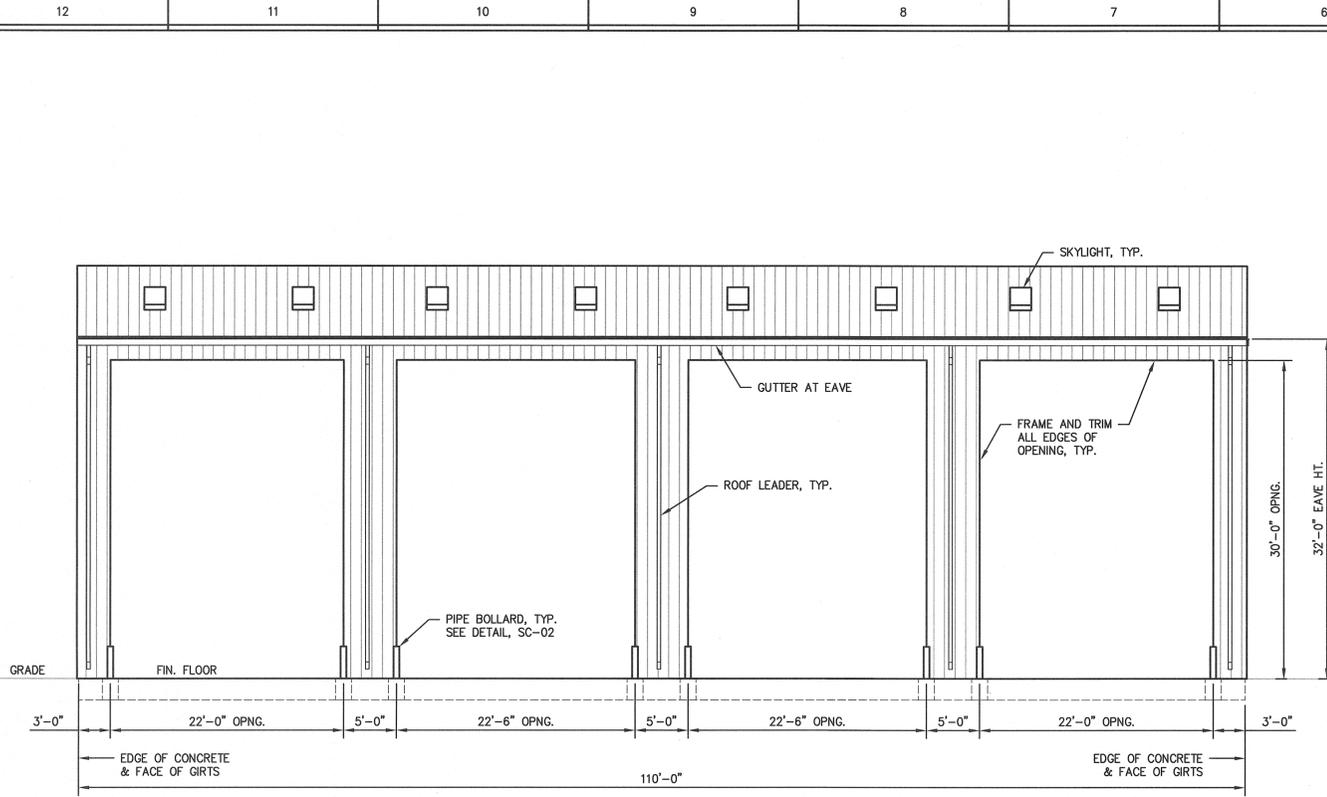
6-16-16	ISSUE FOR BID - CONTRACT #2	JRC
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 *Engineering *Architecture *Surveying *Technology
 334 Sears St., Greenville, NC 27838 (252) 758-3746 (252) 830-3954 (Fax)
 4325 Lake Boone Trail, Suite 311, Raleigh, NC 27607 (919) 784-9330 (919) 784-9331 (Fax)
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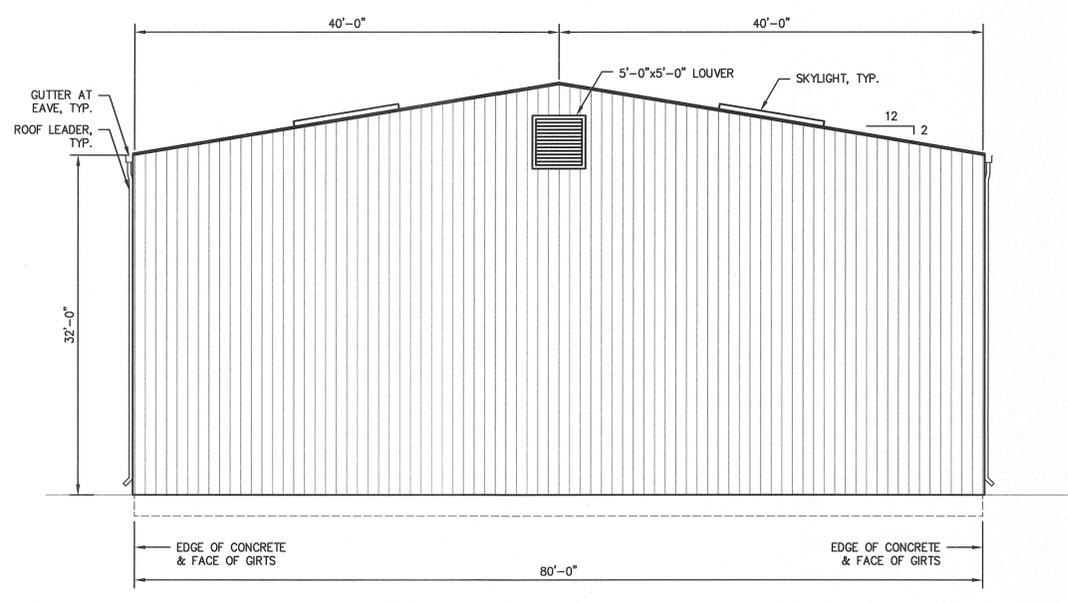
PROJECT TITLE
**PITT COUNTY C&D
 RECYCLING CENTER
 CONTRACT #2**
 Pitt County Greenville, NC

DRAWING TITLE
**GENERAL ARRANGEMENT
 BUILDING PLANS & NOTES**

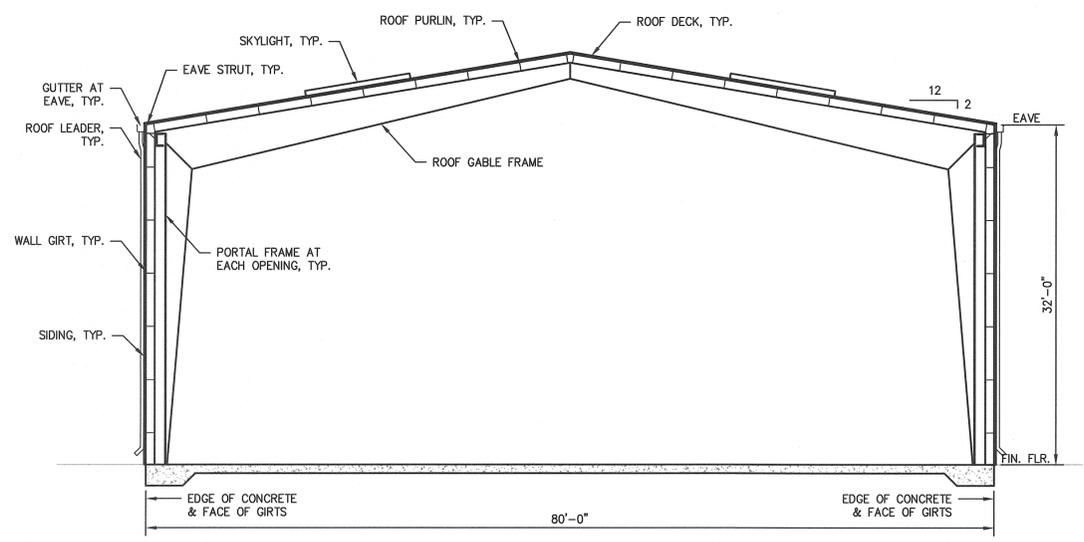
SCALE AS NOTED	DEPARTMENT CIVIL
DRAWN BY J. CURRY	DATE STARTED 6-8-16
CHECKED D. KAUFFMAN	SHEET No.
APPROVED R. JOHNSON	DRAWING No.
PROJECT No. 20150058	A-01



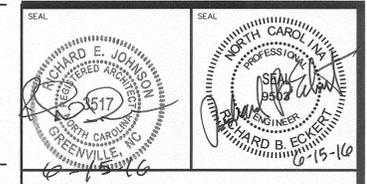
1 EAST & WEST ELEVATION
A-02 1/8" = 1'-0"



2 NORTH & SOUTH ELEVATION
A-02 1/8" = 1'-0"



3 BUILDING SECTION
A-02 1/8" = 1'-0"



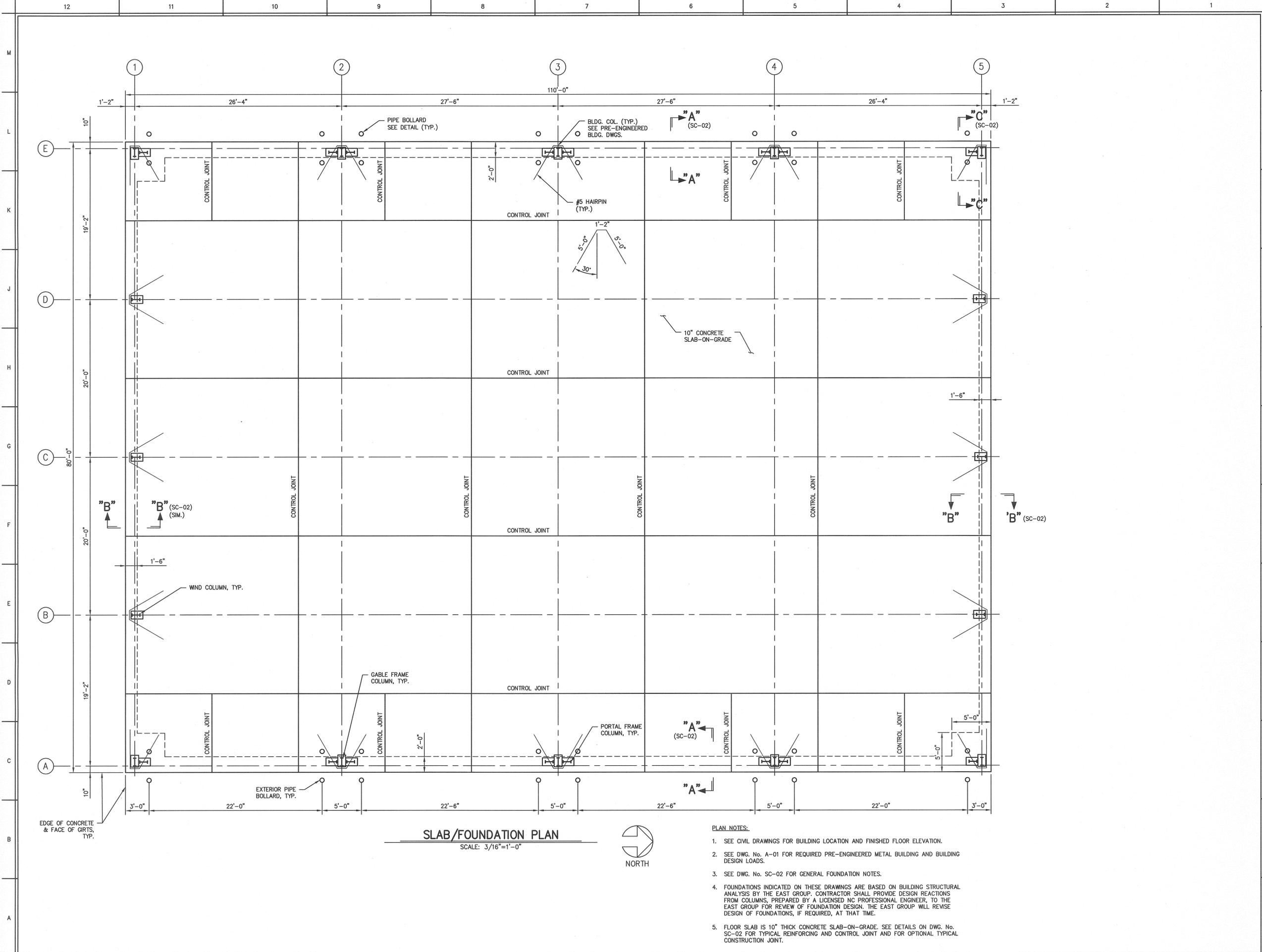
6-16-16	ISSUE FOR BID - CONTRACT #2	JRC
REV. NO.	DATE	REVISIONS
		BY

THE EAST GROUP, P.A.
 *Engineering *Architecture *Surveying *Technology
 314 Evans St., Greenville, NC 27838 (252) 758-3746 (252) 830-3554 (Fax)
 4325 Lake Boone Trail, Suite 311, Raleigh, NC 27607 (919) 784-9330 (919) 784-9331 (Fax)
 *NC Engineering License No. C-0228 * NC Architectural License No. 50213

PROJECT TITLE
PITT COUNTY C&D RECYCLING CENTER CONTRACT #2
 Pitt County, Greenville, NC

DRAWING TITLE
GENERAL ARRANGEMENT BLDG. ELEVATIONS & SECTION

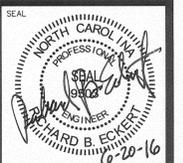
SCALE AS NOTED	DEPARTMENT CIVIL
DRAWN BY J. CURRY	DATE STARTED 6-8-16
CHECKED D. KAUFFMAN	SHEET No.
APPROVED R. JOHNSON	DRAWING NO.
PROJECT NO. 20150058	A-02



SLAB/FOUNDATION PLAN
SCALE: 3/16"=1'-0"



- PLAN NOTES:**
- SEE CIVIL DRAWINGS FOR BUILDING LOCATION AND FINISHED FLOOR ELEVATION.
 - SEE DWG. No. A-01 FOR REQUIRED PRE-ENGINEERED METAL BUILDING AND BUILDING DESIGN LOADS.
 - SEE DWG. No. SC-02 FOR GENERAL FOUNDATION NOTES.
 - FOUNDATIONS INDICATED ON THESE DRAWINGS ARE BASED ON BUILDING STRUCTURAL ANALYSIS BY THE EAST GROUP. CONTRACTOR SHALL PROVIDE DESIGN REACTIONS FROM COLUMNS, PREPARED BY A LICENSED NC PROFESSIONAL ENGINEER, TO THE EAST GROUP FOR REVIEW OF FOUNDATION DESIGN. THE EAST GROUP WILL REVISE DESIGN OF FOUNDATIONS, IF REQUIRED, AT THAT TIME.
 - FLOOR SLAB IS 10" THICK CONCRETE SLAB-ON-GRADE. SEE DETAILS ON DWG. No. SC-02 FOR TYPICAL REINFORCING AND CONTROL JOINT AND FOR OPTIONAL TYPICAL CONSTRUCTION JOINT.



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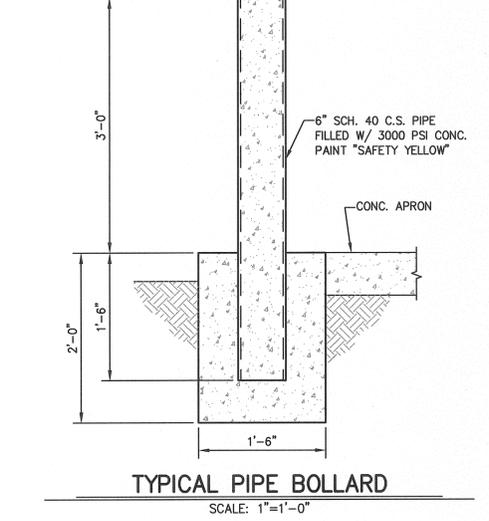
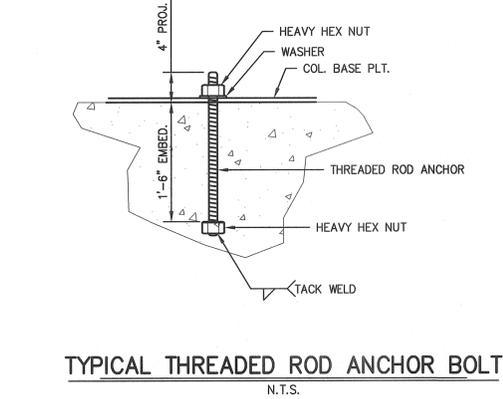
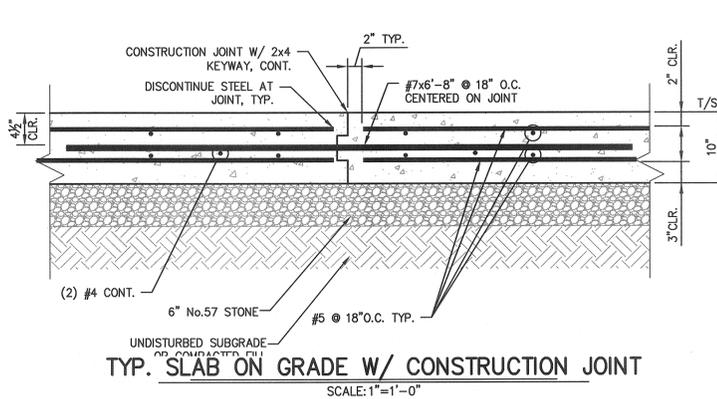
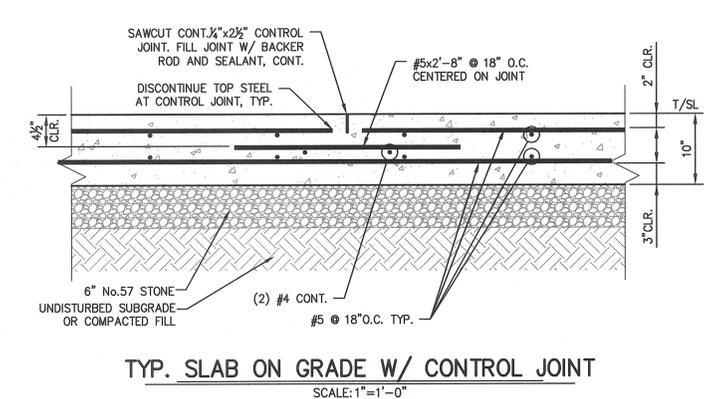
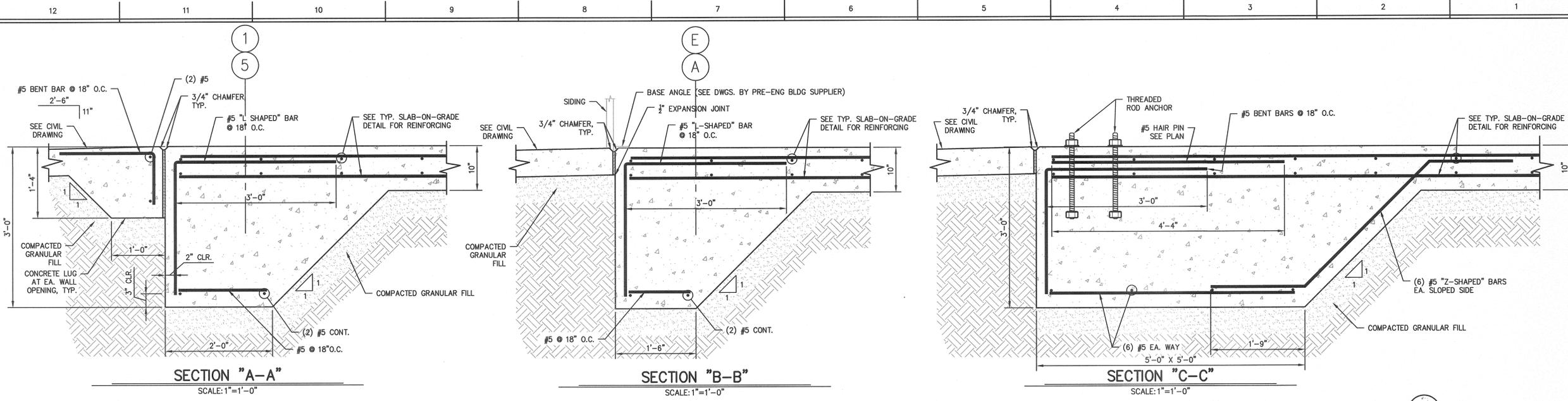


•Engineering •Architecture •Surveying •Technology
324 Evans St., Greenville, NC 27838 (252) 758-3746 (252) 830-3954 (Fax)
4325 Lake Boone Trail, Suite 311, Raleigh, NC 27607 (919) 784-9330 (919) 784-9331 (Fax)
•NC Engineering License No. C-40268 • NC Architectural License No. 52053

PROJECT TITLE
**PITT COUNTY C&D
RECYCLING CENTER
CONTRACT #2**
Pitt County Greenville, NC

DRAWING TITLE
**BUILDING SLAB/FOUNDATION
PLAN**

SCALE AS NOTED	DEPARTMENT CIVIL
DRAWN BY J. CURRY	SHEET No. 6-6-16
CHECKED R. ECKERT	DRAWING No.
APPROVED R. ECKERT	SC-01
PROJECT No. 20150058	



GENERAL FOUNDATION NOTES

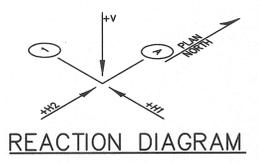
- GENERAL**
- METHODS, PROCEDURES & SEQUENCES OF CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO INSURE & MAINTAIN THE INTEGRITY OF THE STRUCTURE AT ALL STAGES OF CONSTRUCTION.
 - COORDINATE THESE DRAWINGS WITH ANY OTHER DRAWINGS PROVIDED BY OWNER.
 - FOUNDATION DESIGN TO BE VERIFIED BY ENGINEER OF RECORD AFTER RECEIPT OF BUILDING DESIGN REACTIONS.
- FOUNDATIONS**
- THICKENED SLAB FOUNDATION IS DESIGNED FOR ALLOWABLE NET SOIL BEARING PRESSURE OF 2000 PSF AND A MINIMUM MODULUS OF SUBGRADE REACTION OF 100 PCL. GEOTECHNICAL ENGINEER TO FIELD VERIFY PRIOR TO CONSTRUCTION.
 - ALL FOOTINGS SHALL BE ON UNDISTURBED SOIL OR COMPACTED FILL.
 - EXCAVATIONS FOR FOOTINGS SHALL HAVE THE SIDES & BOTTOMS TEMPORARILY LINED WITH 6 MIL. POLYETHYLENE, IF PLACEMENT OF CONCRETE DOES NOT OCCUR WITHIN 24 HOURS OF THE EXCAVATION OF THE FOOTING.
 - FOUNDATION CONDITIONS NOTED DURING CONSTRUCTION WHICH DIFFER FROM THOSE EXPECTED SHALL BE REPORTED TO THE ENGINEER OF RECORD BEFORE FURTHER CONSTRUCTION IS ATTEMPTED.
 - NO FOOTINGS OR SLABS SHALL BE POURED INTO OR AGAINST SUB GRADE CONTAINING FREE WATER, FROST, ICE OR LOOSE MATERIAL.
 - ALL SLAB ON GRADE SURFACES SHALL BE PLACED OVER No. 57 STONE OR GRANULAR MATERIAL PLACED ON SUB GRADE PREPARED AS REQUIRED BY GEOTECHNICAL ENGINEER.
 - THE CONTRACTOR SHALL PERFORM EXCAVATIONS, FOUNDATION CONSTRUCTION & PREPARATION OF THE SUB GRADE IN ACCORDANCE WITH THE N.C. BUILDING CODE.
 - IF UNDERMINING OF FOOTINGS OCCURS, FILL VOIDS WITH HIGH SLUMP CONCRETE. DO NOT ATTEMPT TO REPLACE & RECOMPACT SOIL.

- CONCRETE MIX SHALL CONFORM TO ASTM C94 'READY-MIXED CONCRETE'. CONCRETE SHALL HAVE NORMAL WEIGHT COARSE AGGREGATES & SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (f_c) AT 28 DAYS AS FOLLOWS:
- THICKENED SLAB-ON-GRADE 4,500 PSI
 - CEMENT SHALL BE TYPE 1 PORTLAND CEMENT CONFORMING TO ASTM STANDARD C150 'PORTLAND CEMENT'.
 - NORMAL-WEIGHT AGGREGATES SHALL CONFORM TO ASTM STANDARD C33, 'CONCRETE AGGREGATES'. MINIMUM SIZE OF COARSE AGGREGATE SHALL BE [3/4]". MAXIMUM SIZE OF COARSE AGGREGATE SHALL NOT EXCEED:
- ONE FIFTH (1/5) OF NARROWEST DIMENSION BETWEEN FORMS
- THREE QUARTERS (3/4) OF THE MINIMUM CLEAR SPACING BETWEEN REBAR
- ONE THIRD (1/3) OF THE DEPTH OF SLABS
 - MAXIMUM CONCRETE SLUMP SHALL BE FOUR (4) INCHES TYPICAL, UNLESS NOTED OTHERWISE.
 - AIR CONTENT SHALL BE 6 PERCENT, PLUS OR MINUS 1.5 PERCENT.
 - GROUT FOR BASE PLATES SHALL BE NON-SHRINKABLE GROUT & SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH AT 28 DAYS OF 5000 psi.
 - NO CALCIUM CHLORIDE SHALL BE USED IN ANY CONCRETE.
 - MIXING, TRANSPORTING & PLACING OF CONCRETE SHALL CONFORM TO ACI-301-05.
 - ALL CONCRETE BATCHING SHALL OCCUR AT THE CONCRETE PLANT. ADDITION OF ADMIXTURES OR WATER AT THE JOB SITE IS NOT ALLOWED.
 - THREADED ROD ANCHORS SHALL BE ASTM F1554, GRADE 36 OR 55.
- REINFORCEMENT:**
- CONCRETE REINFORCEMENT BARS SHALL CONFORM TO ASTM A615, GRADE 60. REINFORCING BARS SHALL NOT BE TACK WELDED, WELDED, HEATED OR CUT. ALL LAP SPICES SHALL BE CLASS "B" UNLESS NOTED OTHERWISE.
 - HORIZONTAL FOOTING REINFORCEMENT SHALL BE CONTINUOUS & SHALL HAVE 90° BENDS & EXTENSIONS, OR CORNER BARS OF EQUIVALENT SIZE LAPPED WITH A CLASS B TENSION SPICE AT CORNERS & INTERSECTIONS.

- ALL REBAR SHALL BE CLEAN AND FREE OF RUST, OIL, DIRT OR OTHER DEBONDING AGENTS.
 - ALL REBAR SPICES SHALL BE STAGGERED SO THAT NOT MORE THAN 50% OF THE BARS TERMINATE AT THE SAME POINT.
 - MINIMUM CONCRETE COVER TO REINFORCING STEEL SHALL BE:
a) CONCRETE DEPOSITED AGAINST EARTH: 3 INCHES
b) FORMED SURFACES EXPOSED TO EARTH OR WEATHER
i) #5 BARS & SMALLER: 1 1/2 INCHES
ii) #6 BARS & LARGER: 2 INCHES
 - ALL CONCRETE REINFORCEMENT SHALL BE DETAILED, FABRICATED, LABELED, SUPPORTED & SPACED IN FORMS, & SECURED IN PLACE IN ACCORDANCE WITH THE PROCEDURES & REQUIREMENTS OUTLINED IN THE LATEST EDITION OF THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE", ACI 318 & THE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES", ACI 315, LATEST EDITION.
 - CHECKED SHOP DRAWINGS SHOWING REINFORCING DETAILS, INCLUDING STEEL SIZES, SPACING & PLACEMENT, SHALL BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION.
- CONCRETE QUALITY CONTROL TESTING:**
- THE CONCRETE SUPPLIER SHALL SELECT CONSTITUENT MATERIALS AND MIX PROPORTIONS FOR THE CONCRETE TO PROVIDE NORMAL WEIGHT CONCRETE OF THE SPECIFIED STRENGTH WITH ADEQUATE DURABILITY TO WITHSTAND THE ENVIRONMENT TO WHICH IT MAY BE EXPOSED.
 - THE CONCRETE SUPPLIER SHALL PROVIDE THE ENGINEER WITH A STATEMENT CERTIFYING MATERIALS THAT WILL BE USED IN THE CONCRETE AND REASONABLE EVIDENCE THAT THE MIX PROPORTIONS WILL PRODUCE THE QUALITY OF CONCRETE REQUIRED.
 - THE CONCRETE SUPPLIER SHALL ENSURE THAT CONCRETE MATERIALS AND PRODUCTION COMPLY WITH ASTM STANDARD C94 'READY-MIXED CONCRETE'.
 - NOT LESS THAN ONE SERIES OF CONTROL TESTS IN ACCORDANCE WITH ACI 311.5 R 'BATCH PLANT INSPECTION AND FIELD TESTING OF READY-MIXED CONCRETE' SHALL BE MADE FOR EACH 100 CUBIC YARDS OF CONCRETE PLACED ON ANY ONE DAY. WHEN THE FREQUENCY OF STRENGTH TESTS NOTED ABOVE RESULTS IN LESS THAN 5 TESTS FOR A GIVEN CLASS OF CONCRETE, TESTS SHALL BE MADE FROM 5 RANDOMLY SELECTED BATCHES.
 - ALL TESTS SHALL BE CARRIED OUT BY QUALIFIED PERSONNEL AND ALL DATA AND TEST RESULTS REPORTED TO THE ENGINEER.

CONCRETE REBAR LAP SPICE SCHEDULE

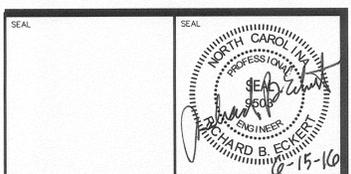
BAR SIZE	LAP LENGTH (in.)
#4	31"
#5	38"
#6	46"
#7	67"



BASE BID BASIC COLUMN REACTIONS ESTIMATED BY EOR PRIOR TO PEMB DESIGN

Loading Condition	Col. A1		Col. A2		Col. A3		Col. A4		Col. A5		Col. B1		Col. B5		Col. C1		Col. C5		Col. D1		Col. D5		Col. E1		Col. E2		Col. E3		Col. E4		Col. E5																	
	V (kips)	H1 (kips)	H2 (kips)	V (kips)	H1 (kips)	H2 (kips)	V (kips)	H1 (kips)	H2 (kips)	V (kips)	H1 (kips)	H2 (kips)	V (kips)	H1 (kips)	H2 (kips)	V (kips)	H1 (kips)	H2 (kips)	V (kips)	H1 (kips)	H2 (kips)	V (kips)	H1 (kips)	H2 (kips)	V (kips)	H1 (kips)	H2 (kips)	V (kips)	H1 (kips)	H2 (kips)																		
D	+1.1	NA	NA	+8.5	+3.3	NA	+8.6	+3.2	NA	+8.5	+3.3	NA	+1.1	NA	NA	+2.3	NA	NA	+2.4	NA	NA	+2.7	NA	NA	+2.7	NA	NA	+8.4	-3.1	NA	+9.4	-4.0	NA	+8.4	-3.1	NA	+0.8	NA	NA									
C	+0.7	NA	NA	+5.3	+2.0	NA	+5.3	+2.0	NA	+0.7	NA	NA	+1.4	NA	NA	+1.5	NA	NA	+1.5	NA	NA	+1.7	NA	NA	+1.7	NA	NA	+5.2	-1.9	NA	+5.9	-2.5	NA	+5.2	-1.9	NA	+0.5	NA	NA									
L	+2.9	+0.4	NA	+21.3	+8.2	NA	+21.5	-8.1	NA	+21.3	+8.2	NA	+2.9	+0.4	NA	+5.7	NA	NA	+5.7	NA	NA	+6.1	NA	NA	+6.1	NA	NA	+8.7	NA	NA	+8.7	NA	NA	+8.7	NA	NA	+2.1	NA	NA									
S	+1.2	+0.2	NA	+9.0	+3.5	NA	+9.1	+3.5	NA	+1.2	+0.2	NA	+2.3	NA	NA	+2.8	NA	NA	+8.8	-3.3	NA	+9.8	-4.3	NA	+8.8	-3.3	NA	+0.8	NA	NA																		
W (N-S)	-0.4	+3.2	+4.8	-12.5	+4.2	+5.1	-16.9	+2.3	+5.1	-23.6	NA	+5.1	-9.0	+3.3	+4.2	-0.9	NA	+5.1	-5.7	NA	+4.0	-0.8	NA	+5.6	-6.3	NA	+4.4	-0.6	NA	+5.1	-5.4	NA	+4.0	-0.7	-3.1	+4.8	-12.6	-4.1	+5.1	-16.3	-3.0	+5.1	-23.6	NA	+5.1	-9.4	-3.1	-4.2
W (S-N)	-9.4	+3.1	-4.2	-23.6	NA	-5.1	-16.3	+3.0	-5.1	-12.6	+4.1	-5.1	-0.7	+3.1	-4.8	-5.4	NA	-4.0	-0.6	NA	-5.1	-6.3	NA	-4.4	-0.8	NA	-5.6	-5.7	NA	-4.0	-0.9	NA	-5.1	-9.0	-3.3	-4.2	-23.6	NA	-5.0	-16.9	-2.3	-5.1	-12.5	-4.2	-5.1	-0.4	-3.2	-4.8
W (E-W)	-11.2	-7.1	+3.2	-24.7	-15.5	NA	-25.7	-16.0	NA	-24.7	-15.4	NA	-11.2	-7.0	+3.2	+1.2	NA	+6.7	+1.1	NA	-6.7	-5.3	NA	+7.3	-5.3	NA	-7.3	-12.5	NA	+6.7	-12.4	NA	-6.7	+6.4	-7.4	+3.1	-14.0	-2.6	NA	-15.2	-1.9	NA	-14.0	-2.6	NA	+6.2	-7.4	-3.1
W (W-E)	+6.2	+7.4	+3.1	-14.0	+2.6	NA	-15.2	+1.9	NA	-14.0	+2.6	NA	+6.4	+7.4	-3.1	+1.2	NA	+6.7	+1.1	NA	-6.7	-5.3	NA	+7.3	-5.3	NA	-7.3	+1.1	NA	+6.7	+1.2	NA	-6.7	+11.2	+7.0	+3.2	-24.7	+15.4	NA	-24.7	+16.0	NA	-24.7	+15.5	NA	+11.2	+7.1	-3.2

Legend:
V = Vertical Force
H1 = Horizontal Force in East-West Direction
H2 = Horizontal Force in North-South Direction
C = Collateral Force
L = Roof Live Load
S = Snow Load
W = Wind Load



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*Engineering *Architecture *Surveying *Technology
324 Evans St., Greenville, NC 27838 (252) 798-3746 (252) 830-3654 (Fax)
4325 Lake Boone Trail, Suite 311, Raleigh, NC 27607 (919) 784-8330 (919) 784-8331 (Fax)
*NC Engineering License No. C-5208 *NC Architectural License No. 30033

PROJECT TITLE
PITT COUNTY C&D RECYCLING CENTER CONTRACT #2
Pitt County Greenville, NC

DRAWING TITLE
BUILDING FOUNDATION SECTIONS, DETAILS & NOTES

SCALE
AS NOTED

DRAWN BY
J. CURRY

DATE STARTED
6-6-16

CHECKED
R. ECKERT

APPROVED
R. ECKERT

PROJECT NO.
20150058

DEPARTMENT
CIVIL

SHEET NO.
6-6-16

DRAWING NO.
SC-02

ELECTRICAL GENERAL NOTES

- EC SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING A BID TO EXAMINE THE EXISTING CONDITIONS AND THE EXTENT AND NATURE OF THE WORK REQUIRED. ANY DIFFICULTIES IN COMPLYING WITH THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER PRIOR TO SUBMITTING A BID.
- PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT, AND PERFORM ALL OPERATIONS NECESSARY FOR THE INSTALLATION OF COMPLETE ELECTRICAL WORK WITHIN THE INTENT OF, AND AS INDICATED ON, THE DRAWINGS AND AS HEREIN SPECIFIED.
- CONTRACTOR'S QUALIFICATIONS: IT IS ASSUMED THE CONTRACTOR HAS HAD SUFFICIENT GENERAL KNOWLEDGE AND EXPERIENCE TO ANTICIPATE THE NEEDS OF CONSTRUCTION OF THIS NATURE. THE CONTRACTOR SHALL PROVIDE ALL ITEMS REQUIRED TO COMPLETE THE CONSTRUCTION IN ACCORDANCE WITH REASONABLE INTERPRETATION OF THE INTENT OF THE DRAWINGS AND SPECIFICATIONS.
- EC SHALL OBTAIN AND PAY FOR ALL PERMITS, INSPECTIONS, TESTS, ETC. AS REQUIRED FOR PROPER EXECUTION AND COMPLETION OF THE WORK.
- EC SHALL COORDINATE ALL ELECTRICAL WORK WITH ALL OTHER TRADES. NO ALLOWANCES WILL BE MADE ON THE EC'S BEHALF FOR FAILURE TO COORDINATE WITH OTHER TRADES. ANY COORDINATION CONFLICTS WHICH ARISE SHALL BE IMMEDIATELY REPORTED TO THE GC AND OWNER'S REPRESENTATIVE.
- EC SHALL BE RESPONSIBLE FOR ALL SAW-CUTS, CORE-DRILLS, AND PENETRATIONS. EC SHALL PATCH FLOORS, WALLS, PARTITIONS, CEILINGS, ROOFS, AND OTHER SURFACES AS REQUIRED TO RESTORE TO INITIAL CONDITIONS FOR CONDUIT OR OTHER INSTALLATIONS.
- EC SHALL SEAL ALL PENETRATIONS THROUGH NEW AND EXISTING WALLS, FLOORS, ROOFS, CHASES, ETC. DUE TO ANY DEMOLITION OR NEW WORK IN ORDER TO MAINTAIN THE INTEGRITY OF THE SYSTEM (SMOKE RATED, SMOKE PARTITIONS, FIRE RATED, ETC.).
- EC SHALL PROVIDE APPROPRIATE SEALING WITH APPROVED MATERIAL WHERE RACEWAY PASSES FROM INTERIOR TO EXTERIOR OF A BUILDING.
- EC SHALL PROVIDE AND INSTALL ALL PHENOLIC NAMEPLATES FOR ALL ELECTRICAL EQUIPMENT. LABEL SHALL INDICATE PANEL AND CIRCUIT NUMBER SUPPLYING POWER TO THE DEVICE. EC SHALL PROVIDE REQUIRED SIGNS FOR PANELS, SWITCHGEAR, STARTERS, VFDs, AND ETC. NAMEPLATES TO BE MECHANICALLY SECURED WITH NON-FERROUS FASTENERS.
- ALL AFF DIMENSIONS ARE REFERENCED TO CENTER OF EQUIPMENT/DEVICE UNO.
- EACH RECEPTACLE CIRCUIT AND LIGHTING CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. ENSURE COMPLIANCE WITH NEC REGARDING ALLOWABLE AMPACITIES AND DERATING (ADJUSTMENT) FACTORS ON INSTALLATION OF CONDUIT AND CONDUCTORS.
- UPON MODIFICATION OR CONNECTION TO EXISTING SYSTEMS, POWER AND/OR SECONDARY SYSTEMS SHALL NOT BE INTERRUPTED WITHOUT PRIOR CONSENT OF OWNER AND A DEFINITE UNDERSTANDING OF THE DURATION OF THE OUTAGE.
- EC SHALL VERIFY ALL MECHANICAL LOADS FOR EXACT MINIMUM CIRCUIT AMPS AND MAXIMUM OVERCURRENT PROTECTION. EC SHALL ADJUST MAXIMUM OVERCURRENT PROTECTION, WIRE SIZES, AND CONDUIT SIZES TO MATCH REQUIREMENTS.
- EC SHALL PROVIDE AND INSTALL ALL WARNING AND CAUTION SIGNS AS REQUIRED BY NEC & NFPA 70E FOR SWITCHBOARDS, PANELBOARDS, ETC., INCLUDING BUT NOT LIMITED TO, "WARNING - ARC FLASH HAZARD - APPROPRIATE PPE REQUIRED".
- ALL CONDUCTORS SHALL BE INSULATED COPPER UNLESS NOTED OTHERWISE. CONDUCTORS #10 AND SMALLER SHALL BE SOLID; CONDUCTOR #8 AWG AND LARGER SHALL BE STRANDED. ALL CONDUCTORS SHALL BE THWN-2 OR XHHW-2, 90° C RATED.
- ALL 208Y/120V POWER WIRING INSULATION SHALL BE COLOR CODED (NO EXCEPTIONS). PHASE A-BLACK; PHASE B-RED; PHASE C-BLUE; NEUTRAL-WHITE; TRAVELERS-PURPLE; AND GROUNDING CONDUCTORS-GREEN. COLOR CODED TAPE NOT ALLOWED.
- ALL 480Y/277V POWER WIRING INSULATION SHALL BE COLOR CODED (NO EXCEPTIONS). PHASE A-BROWN; PHASE B-ORANGE; PHASE C-YELLOW; NEUTRAL-GRAY; TRAVELERS-PURPLE; AND GROUNDING CONDUCTORS-GREEN. COLOR CODED TAPE NOT ALLOWED.
- WIRING DEVICES SHALL BE 20 AMP MINIMUM AND SHALL BE OF THE GROUNDING TYPE, WITH HEX-HEAD GREEN GROUNDING SCREW, TO BE CONNECTED TO THE GREEN GROUND CONDUCTOR. SELF-GROUNDING TYPE IS NOT ACCEPTABLE. RECEPTACLES SHALL BE INDUSTRIAL SPECIFICATION GRADE OR HEAVY DUTY GRADE MEETING NEMA WD 1, NEMA WD 6, DSCC W-C-596G, AND UL-498 AND SHALL BE APPROVED THIRD-PARTY LISTED.
- INSIDE CONDUITS SHALL BE EMT, IMC, OR RMC. CONNECTIONS TO VIBRATING EQUIPMENT SHALL BE LFMC.
- OUTSIDE CONDUITS SHALL BE RMC. CONNECTIONS TO VIBRATING EQUIPMENT SHALL BE LFMC.
- UNDERGROUND CONDUIT SHALL BE RIGID GALVANIZED STEEL OR PVC SCHEDULE 80 ONLY. ALL BENDS SHALL BE RIGID GALVANIZED STEEL. ALL CONCRETE SLAB PENETRATIONS SHALL BE RIGID GALVANIZED STEEL AND CONDUIT SHALL EXTEND AT A MINIMUM OF 1'-0" PAST TOP OF CONCRETE SLAB. UNDERGROUND STEEL CONDUIT SHALL BE WRAPPED WITH BITUMEN TAPE TO 0'-6" ABOVE FINISHED GRADE.
- EMT CONDUIT COUPLINGS, CONNECTORS, AND FITTINGS SHALL BE STEEL HEXAGONAL COMPRESSION TYPE ONLY. SET SCREW COUPLINGS, CONNECTORS, AND FITTINGS SHALL NOT BE ALLOWED.
- WHERE INSTALLING CONDUITS ON THE INTERIOR SURFACE OF AN EXTERIOR WALL, MOUNT CONDUITS AT A MINIMUM OF 1/4" FROM THE WALL WITH A CLAMP-BACK OR STRUT.
- THE EC SHALL KEEP THE CONSTRUCTION AREA AND SURROUNDING AREAS FREE FROM THE ACCUMULATION OF WASTE MATERIALS AND DEBRIS CAUSED BY THE WORK.
- ALL MATERIALS SHALL BE NEW AND SHALL BEAR THE 3RD PARTY APPROVAL FOR THEIR INSTALLED APPLICATION.
- ALL DEVICES SHALL BE FLUSH-MOUNTED WITH CONCEALED WIRING UNLESS NOTED OTHERWISE.
- FOR ALL ELECTRICAL CIRCUITS, EC SHALL IDENTIFY THE CIRCUIT NUMBER IN THE DESIGNATED PANEL. SHALL MARK THE CIRCUIT NUMBER ON THE DRAWINGS, AND SHALL TURN OVER THE MARKED UP DRAWINGS TO OWNER. EC SHALL UPDATE THE PANEL SCHEDULES UPON COMPLETION OF CONSTRUCTION.
- ALL PANEL SCHEDULES SHALL BE UPDATED (TYPED) UPON COMPLETION OF THE WORK TO ACCURATELY INDICATE INSTALLED CONDITIONS.
- EC SHALL BE LICENSED IN NC, AND SHALL INSTALL ALL ELECTRICAL EQUIPMENT, WIRING, DEVICES, ETC. AS PER NEC, AND OTHER APPLICABLE STATE AND LOCAL CODES.
- ALL NEWLY INSTALLED EMERGENCY LIGHT FIXTURES AND EXISTING SIGNS SHALL BE TESTED AND DOCUMENTED IN ACCORDANCE WITH THE NEC 700 REQUIREMENTS. PROVIDE DOCUMENTATION TO ENGINEER PRIOR TO PROJECT FINAL INSPECTION. NO EXCEPTIONS.

ABBREVIATIONS

2/C	2 CONDUCTOR
A	AMPS
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BKR	BREAKER
BOC	BOTTOM OF CONDUIT
C	CONDUIT
EC	ELECTRICAL CONTRACTOR
EMT	ELECTRICAL METALLIC TUBING
ETR	EXISTING TO REMAIN
EX	EXISTING
FMC	FLEXIBLE METAL CONDUIT
FT	FEET
GC	GENERAL CONTRACTOR
GND	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
HP	HORSE POWER
HZ	HERTZ
IMC	INTERMEDIATE METAL CONDUIT
IN	INCHES
IU	IN USE
LFMC	LIQUID FLEXIBLE METAL CONDUIT
LTS	LIGHTS
MC	MECHANICAL CONTRACTOR
MCC	MOTOR CONTROL CENTER
N	NEUTRAL
NTS	NOT TO SCALE
PH	PHASE
RL	RELOCATED
RMC	RIGID METAL CONDUIT
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VA	VOLT AMPS
VAC	VOLTS AC
WP	WEATHER PROOF
XFMR	TRANSFORMER

COORDINATION STUDY, GROUND FAULT PROTECTION AND ARC FLASH HAZARD ANALYSIS NOTES

- AS PART OF THE PROJECT, EC SHALL PROVIDE A COMPLETE ELECTRICAL COORDINATION STUDY, GROUND FAULT PROTECTION AND ARC FLASH HAZARD ANALYSIS STUDY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD DATA COLLECTION, COORDINATION WITH THE UTILITY COMPANY, EQUIPMENT LABELING, ETC. FOR COMPLETE TURN KEY PACKAGE.
- ALL CALCULATIONS SHALL BE PERFORMED BY NC REGISTERED ENGINEER AFTER SELECTION OF EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF ENGINEER.
- THE STUDY SHALL INCLUDE AT MINIMUM MDP, TRPA, RPA, AND THE SORT LINE CONTROL PANEL.
- CONTRACTOR SHALL SUBMIT A COMPLETED SIGNED & SEALED STUDY FOR APPROVAL. THE SUBMITTAL SHALL BE SUBMITTED AT THE SAME TIME AS THE SUBMITTALS FOR THE ELECTRICAL GEAR AND TRANSFORMER.
- THE ELECTRICAL GEAR AND TRANSFORMER SUBMITTALS SHALL NOT BE APPROVED UNTIL THE COORDINATION STUDY, GROUND FAULT PROTECTION AND ARC FLASH HAZARD ANALYSIS IS SUBMITTED AND APPROVED.
- SEE SPECIFICATION SECTION 16055 - COORDINATION STUDY, GROUND FAULT PROTECTION FOR ADDITIONAL REQUIREMENTS.

LEGEND

	GROUND FAULT INTERRUPTED DUPLEX RECEPTACLE, 20 AMP, 120VAC, 48" AFF UNO. PROVIDE WITH WEATHER PROOF IN USE COVER.
	JUNCTION BOX/DEVICE BOX WITH COVER. LOCATE AS REQUIRED FOR EQUIPMENT SERVED.
	DEVICE AS INDICATED.
	INDUSTRIAL HIGH OR LOW BAY FIXTURE ON NORMAL CIRCUIT, CEILING MOUNTED. "XX" INDICATES FIXTURE TYPE. SEE LIGHTING FIXTURE SCHEDULE.
	WALL MOUNTED LIGHT FIXTURE ON NORMAL CIRCUIT. "XX" INDICATES FIXTURE TYPE. SEE LIGHTING FIXTURE SCHEDULE.
	EMERGENCY LIGHT FIXTURE ON NORMAL CIRCUIT. "XX" INDICATES FIXTURE TYPE. SEE LIGHTING FIXTURE SCHEDULE.
	SINGLE POLE SWITCH, 20AMP, 120/277VAC, 48" AFF UNO. WHERE SHOWN, "WP IU" INDICATES WEATHER PROOF IN USE COVER.
	ELECTRICAL PANEL, SURFACE MOUNTED, TOP OF PANEL 72" AFF UNO. "XXXX" INDICATES PANEL TAG.
	GROUNDING DELTA, 10'-0" ON CENTER.
	REFERENCE TO ENLARGED PLAN, ELEVATION, SECTION, OR DETAIL TOP SECTION INDICATES ENLARGED PLAN, ELEVATION, SECTION OR DETAIL NUMBER. BOTTOM SECTION INDICATES DRAWING ON WHICH ENLARGED PLAN, ELEVATION, SECTION OR DETAIL APPEARS.
	NOTE NUMBER, WHERE "#" INDICATES NOTE NUMBER.
	HOMERUN TO PANELBOARD. XXXX-XX INDICATES PANELBOARD & CIRCUIT NUMBER (1 #10 LINE, 1 #10 NEUTRAL, 1 #10 GND, 3/4" C, UNO.)
	HOMERUN TO PANELBOARD. XXXX-XX,XX INDICATES PANELBOARD & CIRCUIT NUMBER (2 #10, 1 #10 GND, UNO, 3/4" C, UNO.)
	HOMERUN TO PANELBOARD. XXXX-XX,XX,XX INDICATES PANELBOARD & CIRCUIT NUMBER (3 #10, 1 #10 GND, 3/4" C, UNO.)
	UNSWITCHED CIRCUIT (2 #12, 1 #12 GND, 3/4" C, UNO.)
	SWITCHED CIRCUIT (2 #12, 1 #12 GND, 3/4" C, UNO.)
	GROUND, EXTEND AND CONNECT TO APPROVED GROUND.

ELECTRICAL LOAD SUMMARY

ELECTRICAL:	
INTERIOR LIGHTS	2,826
EXTERIOR LIGHTS	316
RECEPTACLES	1,080
	4,222
PLUMBING:	
NONE	0
MECHANICAL:	
NONE	0
EQUIPMENT:	
SORT LINE	62,352
MISCELLANEOUS:	
ALL PANELS	0
LARGEST MOTOR:	
25% OF 24,940 VA (40 HP)	6,235
TOTAL VA	72,809

ELECTRICAL DRAWING INDEX

E0.1	ELECTRICAL LEAD SHEET
E2.1	ELECTRICAL POWER PLAN
E3.1	ELECTRICAL LIGHTING PLAN
E4.1	ELECTRICAL RISER DIAGRAM
E4.2	ELECTRICAL SCHEDULES & DETAILS

MISCELLANEOUS EQUIPMENT SCHEDULE

DESCRIPTION	MANUFACTURER AND MODEL NUMBER
MAIN DISTRIBUTION PANEL, 480/277 VAC, 3 PHASE, 4 WIRE. SEE PANEL SCHEDULE FOR MAIN LUG OR MAIN CIRCUIT BREAKER, NUMBER, SIZE, TYPE OF CIRCUIT BREAKERS, AND ADDITIONAL REQUIREMENTS.	SQUARE-D FACTORY ASSEMBLED WITH THE FOLLOWING ACCESSORIES: CLASS 2110, TYPE HCN, I-LINE SERIES, MINIMUM 45 INCHES BREAKER MOUNTING SPACE OR EQUAL WITH COPPER PHASE, NEUTRAL, AND GROUND BUS. FULLY RATED, NEMA 3R/5/12 ENCLOSURE, BOLT ON BREAKERS OR EQUAL
45KVA TRANSFORMER, 480VAC PRIMARY-208/120VAC SECONDARY, NEMA 3R ENCLOSURE, ALUMINUM WINDING, 150 C RISE.	SQUARE-D - CLASS 7400 EX45T3H OR EQUAL - WEATHER SHIELD CLASS 7400 WS18K
PANELBOARD, 208/120 VAC, 3 PHASE, 4 WIRE. SEE PANEL SCHEDULE FOR MAIN LUG OR MAIN CIRCUIT BREAKER, NUMBER, SIZE, TYPE OF CIRCUIT BREAKERS, AND ADDITIONAL REQUIREMENTS.	SQUARE-D: - FACTORY ASSEMBLED WITH THE FOLLOWING ACCESSORIES: CLASS 1640 MODEL NO SERIES OR EQUAL WITH COPPER PHASE, NEUTRAL, AND GROUND BUS. FULLY RATED, NEMA 3R ENCLOSURE, BOLT ON BREAKERS OR EQUAL
TVSS, 480/277VAC, 3P4W, 400KA/PHASE SURGE CAPACITY, 200KA LINE-NEUTRAL, LINE-GROUND, NEUTRAL-GROUND SURGE CAPACITY, AUDIBLE ALARM, FORM C DRY CONTACTS, DIGITAL SURGE COUNTER, THUR DOOR ROTARY DISCONNECT SWITCH, NEMA 1/12/3R/4 ENCLOSURE	ADVANCED PROTECTION TECHNOLOGIES INC - TE04XAS40E1XT OR EQUAL



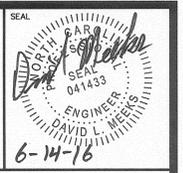
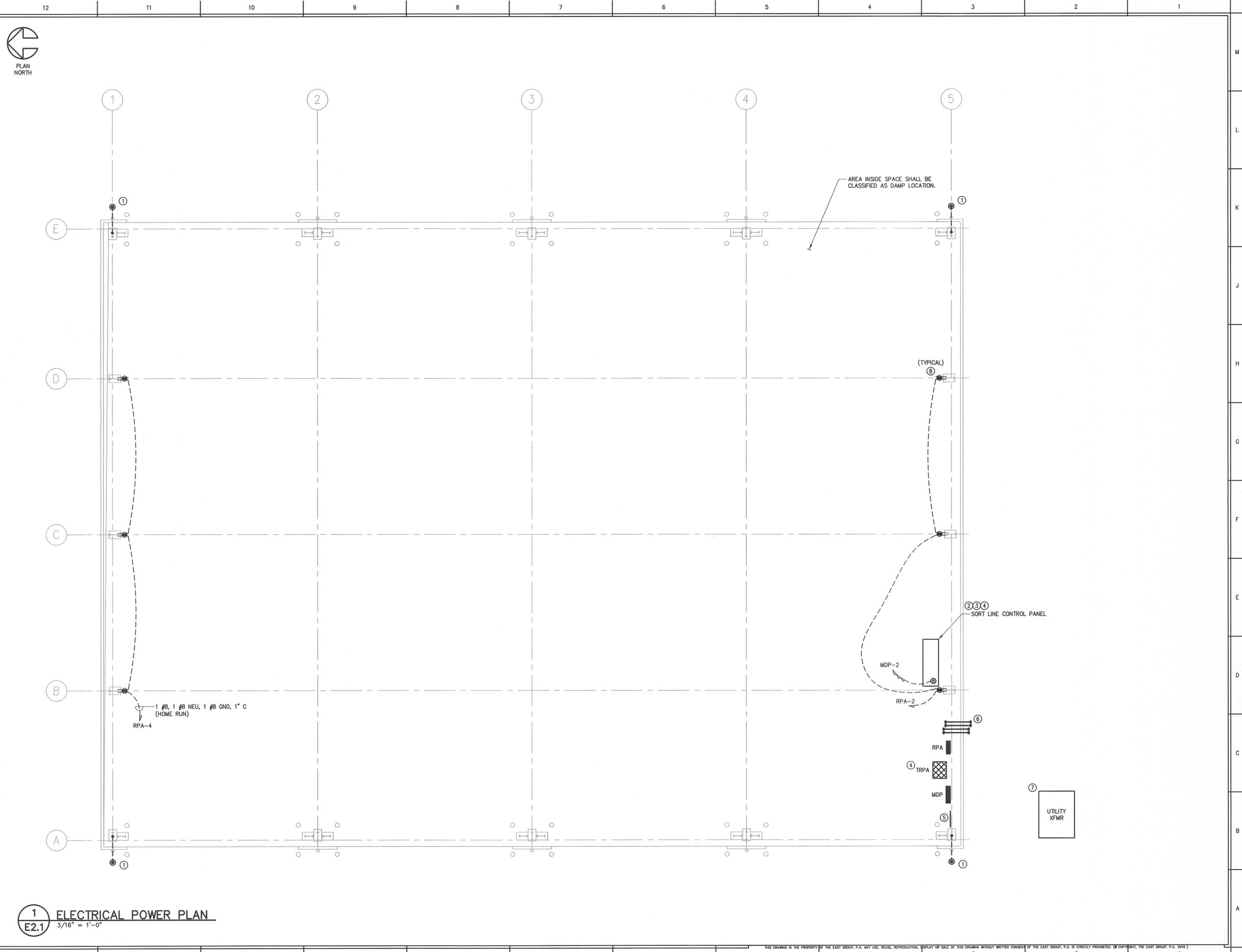
REV. NO.	DATE	REVISIONS	BY
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PROJECT TITLE
PITT COUNTY C&D RECYCLING CENTER CONTRACT #2
Pitt County Greenville, NC

DRAWING TITLE
ELECTRICAL LEAD SHEET

SCALE AS NOTED	DEPARTMENT CIVIL
DRAWN BY DLM	SHEET No.
CHECKED	DRAWING NO.
APPROVED	
PROJECT NO. 20150058	E0.1



- NOTES**
- ① SEE 1/E4.2 FOR COLUMN GROUNDING DETAIL.
 - ② POTENTIAL LOCATION SHOWN FOR FOR THE SORT LINE CONTROL PANEL. THE EXACT LOCATION TO BE DETERMINED DURING CONSTRUCTION. FOR BIDDING PURPOSES ASSUME THE SORT LINE CONTROL PANEL WILL BE NOT GREATER THAN 75'-0" FROM THE MDP.
 - ③ SORT LINE CONTROL PANEL. PROVIDED & INSTALLED BY SORT LINE EQUIPMENT VENDOR. FINAL MAIN FEEDER ELECTRICAL CONNECTIONS BY CONTRACTOR. COORDINATE EXACT FEEDER TIE-IN POINT WITH GC AND SORT LINE EQUIPMENT VENDOR.
 - ④ PROVIDE 6" HIGH CONCRETE HOUSE KEEPING PAD FOR TRANSFORMER/CONTROL PANEL. EXTEND CONCRETE PAD 6" PAST EDGE OF EQUIPMENT.
 - ⑤ PROVIDE AND INSTALL A 24" x 4" x 1/2" SYSTEM GROUNDING BAR. MOUNT TOP OF BAR 72" AFF.
 - ⑥ EC SHALL PROVIDE AND INSTALL (2) 1" CONDUITS AND (2) 2" CONDUITS WITH PULL STRINGS AT LOCATIONS AS INDICATED. EACH CONDUIT SHALL EXTEND 5'-0" BEYOND OUTSIDE EDGE OF BUILDING AND TURN UP TO 12" AFF ON INSIDE OF BUILDING. ENDS SHALL BE CAPPED AND WATER TIGHT.
 - ⑦ APPROXIMATE LOCATION OF UTILITY TRANSFORMER. COORDINATE LOCATION AND ALL REQUIREMENTS WITH UTILITY COMPANY.
 - ⑧ SEE 2/E4.2 FOR RECEPTACLE ON COLUMN DETAIL.

06-16-16	ISSUE FOR BID - CONTRACT #2	DLM
REV. NO.	DATE	REVISIONS
		BY

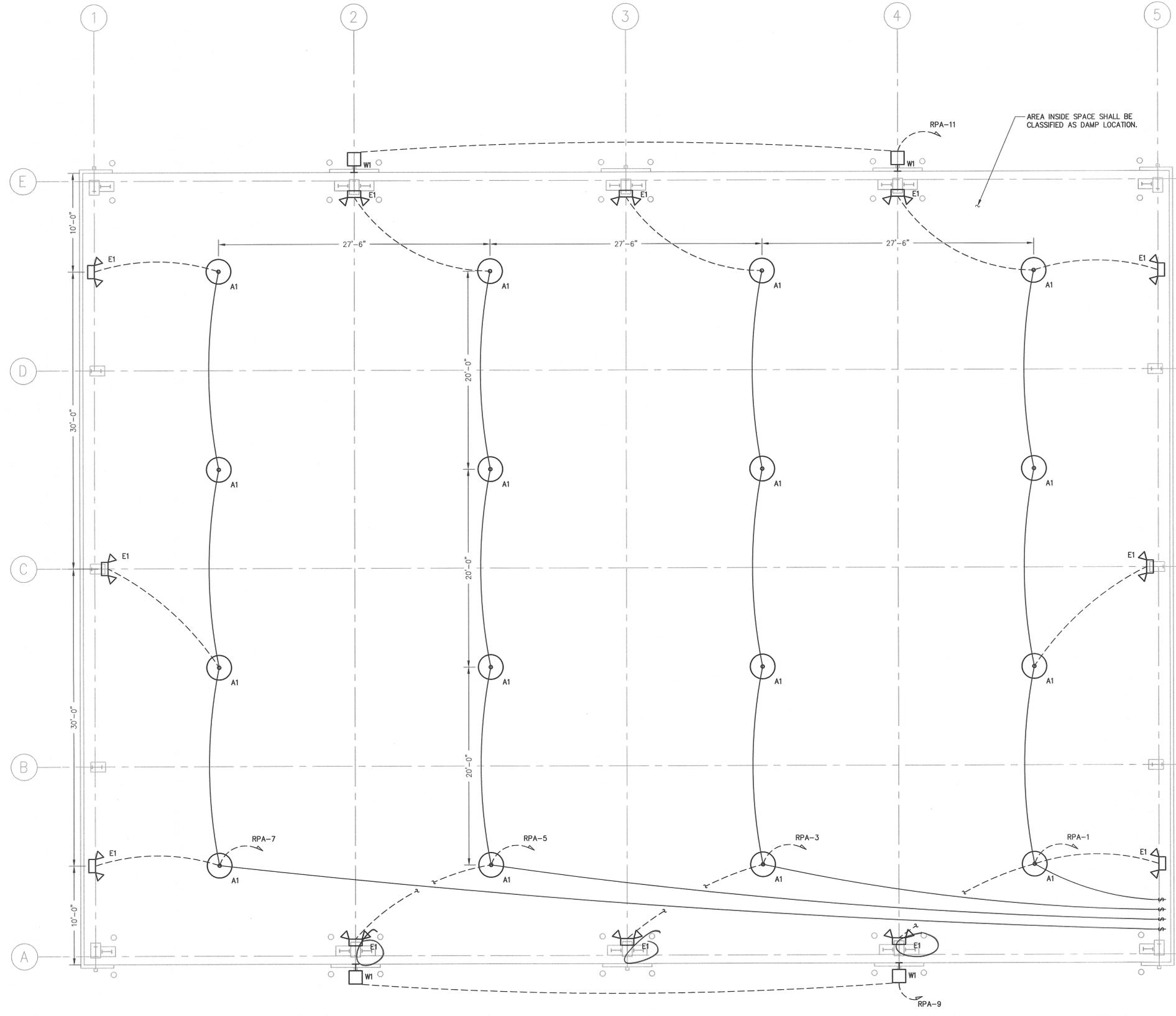
THE EAST GROUP, P.A.
 *Engineering *Architecture *Surveying *Technology
 324 Evans St., Greenville, NC 27838 (252) 758-3746 (252) 830-3654 (Fax)
 4325 Lake Boone Trail, Suite 311, Raleigh, NC 27607 (919) 784-8330 (919) 784-8331 (Fax)
 *NC Engineering License No. C-30206 *NC Architectural License No. 50213

PROJECT TITLE
**PITT COUNTY C&D
 RECYCLING CENTER
 CONTRACT #2**
 Pitt County Greenville, NC

DRAWING TITLE
**ELECTRICAL
 POWER PLAN**

SCALE AS NOTED	DEPARTMENT
DRAWN BY DLM	SHEET No.
CHECKED	DRAWING NO.
APPROVED	E2.1
PROJECT NO. 20150058	

1 ELECTRICAL POWER PLAN
 E2.1 3/16" = 1'-0"



1 ELECTRICAL LIGHTING PLAN
E3.1 3/16" = 1'-0"



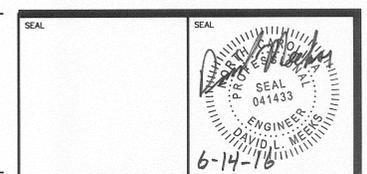
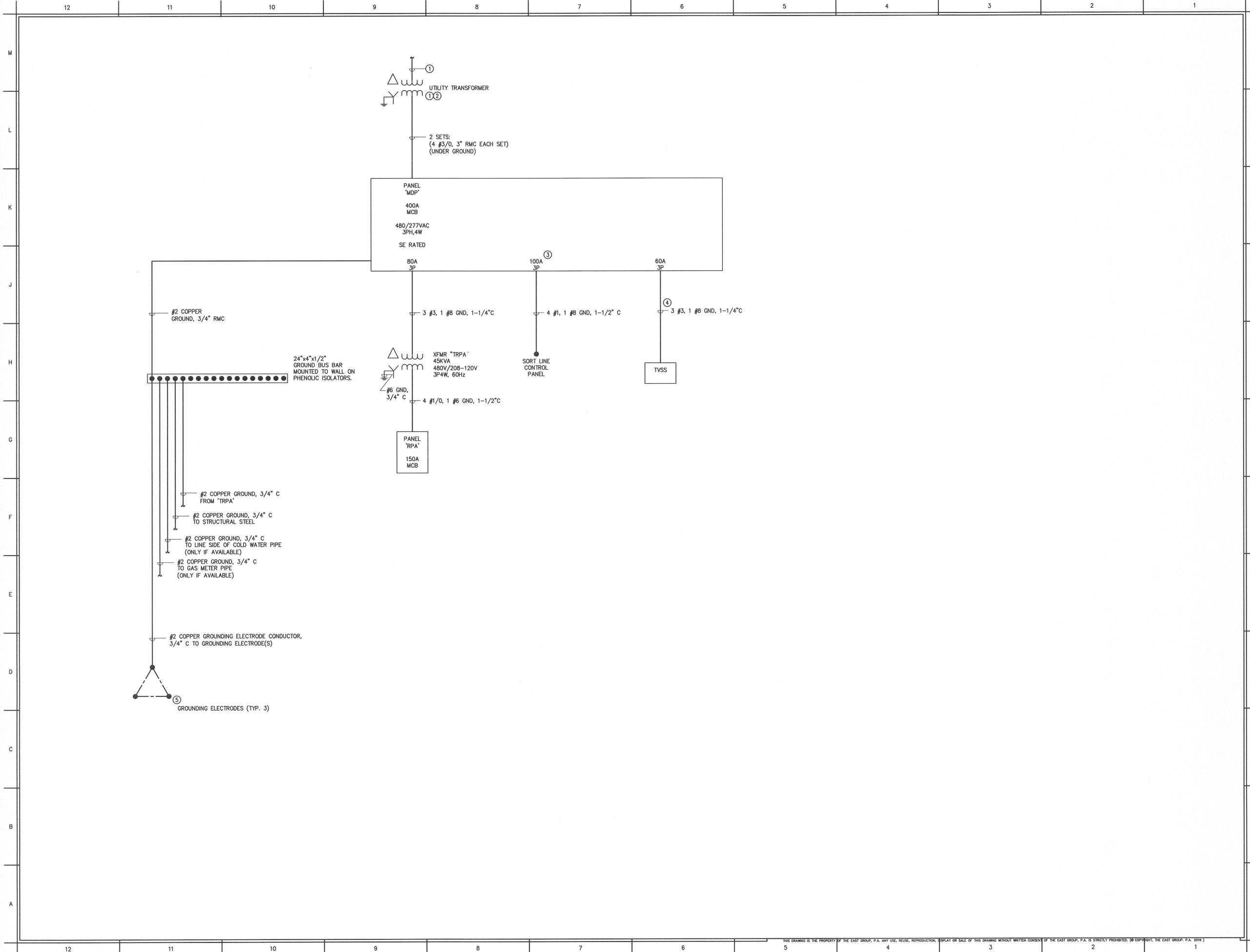
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A	06-16-16	ISSUE FOR BID - CONTRACT #2	DLM

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 •Engineering•Architecture•Surveying•Technology
 324 Evans St., Greenville, NC 27838 (252) 758-3746 (252) 830-3554 (Fax)
 4325 Lake Boone Trail, Suite 311, Raleigh, NC 27607 (919) 784-8330 (919) 784-8331 (Fax)
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PROJECT TITLE
**PITT COUNTY C&D
 RECYCLING CENTER
 CONTRACT #2**
 Pitt County Greenville, NC

DRAWING TITLE
**ELECTRICAL
 LIGHTING PLAN**

SCALE	AS NOTED	DEPARTMENT
DRAWN BY	DATE	SHEET NO.
DLM		
CHECKED		DRAWING NO.
APPROVED		E3.1
PROJECT NO.	20150058	



- NOTES**
- EC SHALL COORDINATE INSTALLATION W/ UTILITY COMPANY. UNLESS DIRECTED OTHERWISE BY UTILITY COMPANY TO PROVIDE FEEDER TO TRANSFORMER PRIMARY. EC TO PROVIDE SECONDARY FEEDER FROM TRANSFORMER TO "MDP". IF NEEDED, METER BASE PROVIDED AND INSTALLED AT TRANSFORMER BY UTILITY COMPANY. FINAL CONNECTIONS TO TRANSFORMER SECONDARY BY UTILITY COMPANY.
 - EC SHALL COORDINATE UTILITY TRANSFORMER LOCATION WITH GC AND UTILITY COMPANY.
 - BREAKER, WIRE, & CONDUIT SIZES AS SHOWN ARE TYPICAL VALUES. CONTRACTOR SHALL COORDINATE EXACT SIZING WITH OWNER & SORT LINE EQUIPMENT VENDOR PRIOR TO PLACING ORDER. CONTRACTOR SHALL REDUCE OR INCREASE SIZING WITHOUT ANY ADDITIONAL COST TO OWNER.
 - UNLESS PROVIDED AS PART OF THE SWITCH GEAR EC SHALL SIZE WIRE AS MAXIMUM BREAKER LUG WILL ACCEPT. SIZE CONDUIT ACCORDINGLY. KEEP CONDUIT AND WIRE LENGTH TO A MINIMUM.
 - GROUNDING ELECTRODE SHALL BE 3/4" DIA. X 10' LONG COPPER CLAD STEEL. CONNECTION TO CONDUCTOR SHALL BE EXOTHERMIC WELD.

REV. NO.	DATE	REVISIONS	BY
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 4325 Lake Boone Trail, Suite 311, Raleigh, NC 27607 (919) 784-8330 (919) 784-8331 (Fax)
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PROJECT TITLE
**PITT COUNTY C&D
 RECYCLING CENTER
 CONTRACT #2**
 Pitt County Greenville, NC

DRAWING TITLE
**ELECTRICAL
 RISER DIAGRAM**

SCALE AS NOTED	DEPARTMENT CIVIL
DRAWN BY DLM	DATE
CHECKED	DRAWING NO.
APPROVED	E4.1
PROJECT NO. 20150058	

POWER PANELBOARD MDP		VOLTAGE: <input type="checkbox"/> 208/120V, 3 PHASE, 4 WIRE <input checked="" type="checkbox"/> 480/277V, 3 PHASE, 4 WIRE		ENCLOSURE NEMA: 3R/5/12					
MOUNTING: <input checked="" type="checkbox"/> WALL <input type="checkbox"/> FLOOR		MAIN: <input type="checkbox"/> MAIN LUGS ONLY <input checked="" type="checkbox"/> MAIN BREAKER		SYM. AIC: 65,000 A					
MAIN BUS: 400A TRIP: 400A		NEUTRAL BUS: 400A FRAME: A		<input type="checkbox"/> TOP <input checked="" type="checkbox"/> BOTTOM					
CKT NO.	DESCRIPTION	LOAD AMPS	KVA	KW	HP	POLES	TRIP	FRAME	REMARKS
1	PANELBOARD RPA VIA TRPA		4.224			3	80		
2	SOFT LINE CONTROL PANEL	75				3	100		
3	SPACE								
4	SPACE								
5	SPACE								
6	SPACE								
7	SPACE								
8	SPACE								
9	SPACE								
10	SPACE								
11	SPACE								
12	SPACE								
13	SPACE								
14	SPACE								
15	SPACE								
16	TVSS					3	60		

PANELBOARD LOCATION: _____ MANUFACTURER: _____
MODEL/CAT. NO.: _____
FEED: SEE ELECTRICAL ONE LINE DIAGRAM

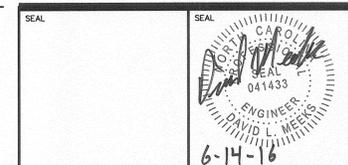
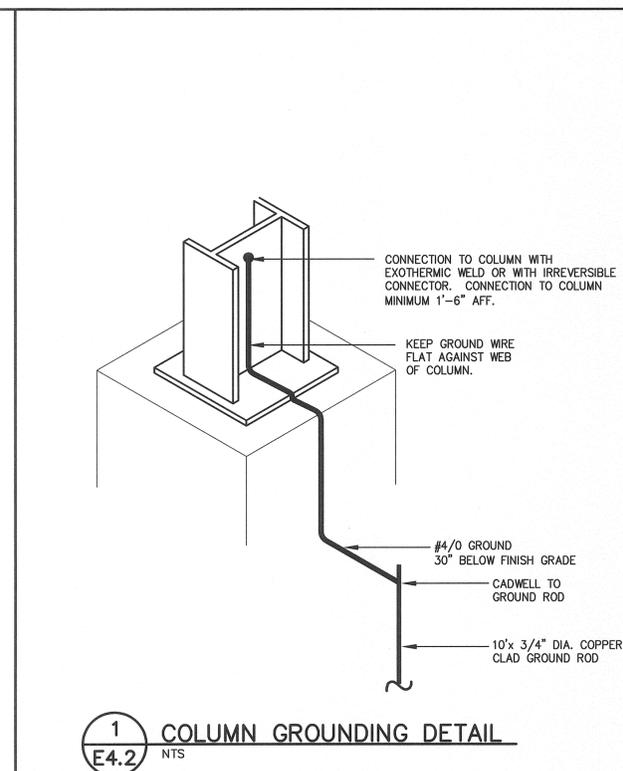
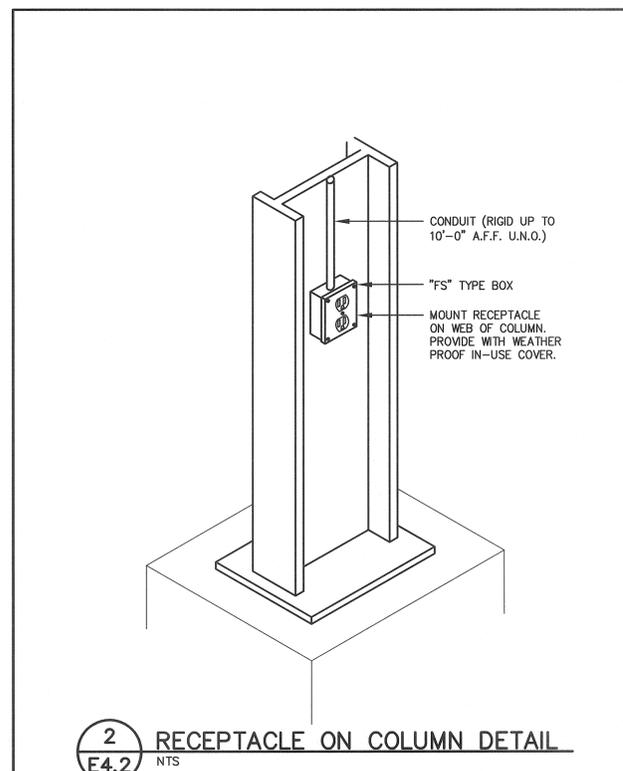
PANELBOARD RPA		VOLTAGE: <input checked="" type="checkbox"/> 208/120V, 3 PHASE, 4 WIRE <input type="checkbox"/> 480/277V, 3 PHASE, 4 WIRE		ENCLOSURE NEMA: 3R/5/12	
MOUNTING: <input type="checkbox"/> FLUSH SURFACE <input checked="" type="checkbox"/> DOOR WITH LOCK		MAIN: <input type="checkbox"/> LUGS ONLY <input checked="" type="checkbox"/> MAIN BREAKER		SYM. AIC: 65,000 A	
BUS: 225 A TRIP: 150 A		NEUTRAL: <input type="checkbox"/> NONE <input checked="" type="checkbox"/> 50% <input checked="" type="checkbox"/> 100%		<input type="checkbox"/> TOP <input checked="" type="checkbox"/> BOTTOM	
COVER: <input checked="" type="checkbox"/> DOOR WITH LOCK <input type="checkbox"/> DOOR WITHOUT LOCK		WITH HINGABLE COVER WITHOUT HINGABLE COVER		ALL BRANCH BREAKERS 20A 1 POLE UNLESS NOTED OTHERWISE U/L LISTED BREAKER INTERRUPTING CAPACITY: 22,000 A RMS. SYM. MIN.	
DESCRIPTION	LOAD	CKT NO.	DESCRIPTION	LOAD	PHASE LOAD (AMPS) L1 L2 L3
LIGHTING - BAY 1	5.9	1	2 REC - SOUTH WALL	4.5	10.4
LIGHTING - BAY 2	5.9	3	4 REC - NORTH WALL	4.5	10.4
LIGHTING - BAY 3	5.9	5	6 SPACE	0.0	5.9
LIGHTING - BAY 4	5.9	7	8 SPACE	0.0	5.9
OUTSIDE LIGHTING - WEST	1.3	9	10 SPACE	0.0	1.3
OUTSIDE LIGHTING - EAST	1.3	11	12 SPACE	0.0	1.3
SPACE	0.0	13	14 SPACE	0.0	0.0
SPACE	0.0	15	16 SPACE	0.0	0.0
SPACE	0.0	17	18 SPACE	0.0	0.0
SPACE	0.0	19	20 SPACE	0.0	0.0
SPACE	0.0	21	22 SPACE	0.0	0.0
SPACE	0.0	23	24 SPACE	0.0	0.0
SPACE	0.0	25	26 SPACE	0.0	0.0
SPACE	0.0	27	28 SPACE	0.0	0.0
SPACE	0.0	29	30 SPACE	0.0	0.0
SPACE	0.0	31	32 SPACE	0.0	0.0
SPACE	0.0	33	34 SPACE	0.0	0.0
SPACE	0.0	35	36 SPACE	0.0	0.0
SPACE	0.0	37	38 SPACE	0.0	0.0
SPACE	0.0	39	40 SPACE	0.0	0.0
SPACE	0.0	41	42 SPACE	0.0	0.0

PANELBOARD LOCATION: _____ MANUFACTURER: _____
MODEL/CAT. NO.: _____
FEED: SEE ELECTRICAL ONE LINE DIAGRAM

TOTAL L1	16.3
TOTAL L2	11.7
TOTAL L3	7.2

KEY: MULTIPOLE BREAKER GFI BREAKER LOCKOFF ATTACH SWITCH DUTY
 PADLOCK ATTACH HACR HID RATED ARC FAULT

LIGHTING FIXTURE SCHEDULE									
FIXTURE				LAMPS (EC SHALL PROVIDE AND INSTALL ALL LAMPS.)				REMARKS	
TYPE	DESCRIPTION	MANUFACTURER / CATALOG NUMBER	VOLTS	QTY.	TYPE	WATTS	COLOR	CATALOG NUMBER	
A1	4' LED HIGH BAY FIXTURE, 2 LED BAR, HIGH TEMPERATURE UNIT, WITH OCCUPANCY SENSOR.	LUX DYNAMICS LED-LHB-2-UNV-TOP-DIR-840-HO-OS120/277	120	-	LED	-	4000K		MOUNT BOTTOM OF FIXTURE MAXIMUM OF 3'-0" BELOW ROOF DECK.
E1	EMERGENCY LIGHTING FIXTURE UNIT, 36 WATTS CAPACITY, 12 VDC OUTPUT, 2 HEADS, 12 WATT HALOGEN LAMPS, HEATER, THERMOSTAT, HIGH TEMPERATURE BATTERY, NEMA-4X, 35 FEET ON CENTER SPACING AT 12' TO 14' AFF MOUNTING HEIGHT.	LITHONIA INDX1236-H1212-ULT OR EQUAL	120/277	2	H	12	-		MOUNT 12'-0" AFF
W1	WALL MOUNTED AREA LIGHT, LED, PHOTOELECTRIC CELL, BRONZE FINISH	LITHONIA KAXWLED-P3-40K-R4-120-PER-SF-EGS-DBBXD OR EQUAL DLL127F-1.5-JJ OR EQUAL	120	1	LED	LED	4000K		MOUNT BOTTOM OF FIXTURE 22'-0" AFF



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324 Evans St., Greenville, NC 27838 (252) 758-3746 (252) 830-3554 (Fax)
4325 Lake Boone Trail, Suite 311, Raleigh, NC 27607 (919) 784-8330 (919) 784-8331 (Fax)
*NC Engineering License No. C-2026 *NC Architectural License No. 52023

PROJECT TITLE
**PITT COUNTY C&D
RECYCLING CENTER
CONTRACT #2**
Pitt County Greenville, NC

DRAWING TITLE
**ELECTRICAL
SCHEDULES & DETAILS**

SCALE AS NOTED	DEPARTMENT
DRAWN BY DLM	SHEET No.
CHECKED	DRAWING NO.
APPROVED	E4.2
PROJECT NO. 20150058	