

Administrative Approval Action

Case File / Name: ASR-0095-2024 DSLC - SANDERFORD STORAGE

City of Raleigh
Development Services Department
One Exchange Plaza
Raleigh, NC 27602
(919) 996-2492
currentplanning@raleighnc.gov
www.raleighnc.gov

LOCATION: This 4.50 acre site is located between Sanderford Road and Creech Road across

from Mount Calvary Word of Faith Church, north of Tryon Point Drive, south of Fox Hollow Drive at 3081 Sanderford Road. There is a greenway corridor running through the property along a stream and up to the northern property line where the

greenway corridor connects to Sanderford Road.

REQUEST: The property, zoned CX-3, is vacant except for a cell tower located near the

southeast property line. The plan proposes constructing a 30,782 square foot, 3-story building to be used for self storage along with associated infrastructure,

parking and site improvements.

DESIGN

ADJUSTMENT(S)/

ALTERNATES, ETC: N/A

FINDINGS: City Administration finds that this request, with the below conditions of

approval being met, conforms to the Unified Development Ordinance. This approval is based on a preliminary plan dated March 25, 2025 by GANDER

DEVELOPMENT.

CONDITIONS OF APPROVAL and NEXT STEPS:

This document must be applied to the second sheet of all future submittals except for final plats. This is a preliminary plan and as such no permits have been issued with this approval. To obtain permits and/or completion of the project, the following steps are required:

☑ <u>SITE PERMITTING REVIEW</u> - For land disturbance of 12,000 square feet or greater, public or private infrastructure, shared stormwater devices, etc. Site Permitting Review may be submitted upon receipt of this signed approval document.

The following items are required prior to approval of Site Permitting Review plans:

General

- 1. Revise Type C3 Protective Yard Screening Parking UDO reference on Sheet L100 by using the correct code reference (UDO Section 7.1.7.B.4) in addition to UDO Section 7.2.4.
- 2. Revise text in Blank Wall description so it does not overlap with one another (see Sheet A-9).
- 3. Verify labels and legend for building elevations, specifically "Southwest Elevation Sanderford Road." It is unclear what some of the letters (like 'V' and 'S') are associated with.
- 4. Demonstrate compliance with the Protective Yard requirements set forth in UDO Section 7.2.4.E.7. for the southeastern property line.

Engineering

5. Required NCDOT encroachment and/or driveway permits must be approved and copies provided to the City of Raleigh Transportation Department – Mobility Strategy and Infrastructure Division prior to Site Permit review approval.



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Stormwater

- 6. A flood study shall be submitted and approved by the Engineering Services Department prior to the issuance of any grading or site permit (UDO 9.3).
- 7. A surety equal to of the cost of clearing, grubbing and reseeding a site, shall be paid to the City (UDO 9.4.4).
- 8. A stormwater control plan with a stormwater operations and maintenance manual and budget shall be approved (UDO 9.2).
- 9. A nitrogen offset payment must be made to a qualifying mitigation bank (UDO 9.2.2.B).

Urban Forestry

- 10. Submit a final tree conservation plan that includes metes and bounds descriptions of all tree conservation areas and tree protection fencing as required (UDO 9.1.5).
- 11. Remove from plans the calculations shown for Greenway TCA on the adjacent parcel.
- 12. Tree protection fence must be inspected by Urban Forestry staff prior to the issuance of a grading permit.

☑ <u>LEGAL DOCUMENTS</u> - Email to legaldocumentreview@raleighnc.gov. Legal documents must be approved, executed, and recorded prior to or in conjunction with the recorded plat on which the associated easements are shown. Copies of recorded documents must be returned to the City within one business day of recording to avoid withholding of further permit issuance.

Ø	Right of Way Deed of Easement	Ø	Slope Easement Deed of Easement
	Required		Required

☑ **RECORDED MAP(S)** - Submit plat to record new property lines, easements, tree conservation areas, etc.). Plats may be submitted for review when the Site Permitting Review plans, if required, have been deemed ready for mylar signature.

The following items must be approved prior to recording the plat:

General

1. The greenway easement as shown on the preliminary plan shall be dedicated prior to, or in conjunction with the recording of a map in any phase affected by the greenway. This includes greenway easements shown on PIN 1712633774 and 1712631588.

Engineering



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- 2. A slope easement deed of easement, in addition to a plat showing the location of the easement, shall be submitted to the Planning and Development Services Department for review, and if acceptable, approved for recordation. Approved plats must be recorded at the Wake County Register of Deeds Office on or before the 14th day following approval by the City. The 14-day expiration date shall be clearly indicated on the plat. By the end of the next business day following recordation of the plat, all required legal instruments (including deeds of easement) shall be recorded, and recorded copies of the plat and all legal instruments required by the City in association with development approval shall be provided to the City. (Reference: UDO 8.1.7.A; 10.2.5.F.4.d)
- 3. A public street right-of-way deed of easement, in addition to a plat showing the location of the easement, shall be submitted to the Planning and Development Services Department for review, and if acceptable, approved for recordation. Approved plats must be recorded at the Wake County Register of Deeds Office on or before the 14th day following approval by the City. The 14-day expiration date shall be clearly indicated on the plat. By the end of the next business day following recordation of the plat, all required legal instruments (including deeds of easement) shall be recorded, and recorded copies of the plat and all legal instruments required by the City in association with development approval shall be provided to the City. (Reference: UDO 8.1.7.A; 10.2.5.F.4.d)

Stormwater

- The riparian buffers, in accordance with the preliminary plan and the State of North Carolina regulations, shall be shown on plats for recording along with required buffer statement (Recorded Map Checklist).
- All stormwater control measures and means of transporting stormwater runoff to and from any nitrogen and stormwater runoff control measures shall be shown on all plats for recording as private drainage easements (UDO 9.2).
- 6. A surety equal to 125% of the cost of the construction of a stormwater device shall be paid to the Engineering Services Department (UDO 9.2.2.D.1.d).
- 7. The flood prone areas, as approved by the City Stormwater Engineer and shown on the preliminary plan, shall be shown on the recorded map (UDO 9.3.3.G).
- 8. If demolition causes a land disturbance of more than 12,000 sf, a mass grading permit will be required. (UDO 9.4.6)

☑ <u>BUILDING PERMITS</u> - For buildings and structures shown on the approved plans. Commercial building permit plans must include the signed, approved Site Permitting Review plans attached, if applicable. Permit sets may be reviewed prior to the recordation of required plats, but cannot be approved.

The following items must be approved prior to the issuance of building permits:

Engineering



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City of Raleigh **Development Services Department** One Exchange Plaza Raleigh, NC 27602 (919) 996-2492 currentplanning@raleighnc.gov www.raleighnc.gov

- 1. A public infrastructure surety shall be provided to City of Raleigh Transportation Development Engineering Division (UDO 8.1.3) in the amount of 100% of the improvement cost for the NCDOT portion and 125% of the improvement cost for the City of Raleigh infrastructure.
- 2. A fee-in-lieu for those public improvements not fully installed to the property lines shall be paid to the City of Raleigh (UDO 8.1.10).

Urban Forestry

- A public infrastructure surety for 16 street trees shall be provided to City of Raleigh Transportation Development Engineering Division (UDO 8.1.3) in the amount of 100% of the improvement cost for the NCDOT portion.
- 4. A tree conservation plat shall be recorded with metes and bounds showing the designated tree conservation areas (UDO 9.1). This development proposes 0.45 acres of tree conservation area.
- 5. A tree impact permit must be obtained for the approved streetscape tree installations in the right-of-way. This development proposes 16 street trees along Sanderford Road.

The following are required prior to issuance of building occupancy permit:

General

- 1. All street lights and street signs required as part of the development approval are installed.
- 2. Required public right-of-way infrastructure improvements shall be, at a minimum, sufficiently completed to provide the necessary, safe emergency and vehicular access.
- 3. All Water, Sanitary Sewer and Reuse facilities shall be installed, inspected, tested and accepted by the City of Raleigh Public Utilities Department for operations and maintenance.
- 4. Final inspection of all tree conservation areas and right-of-way street trees by Urban Forestry Staf

Stormwater

- As-built impervious survey is accepted by the Engineering Services Department (UDO 9.2).
- 6. As-built drawings and associated forms for all Stormwater devices are accepted by the Engineering Services Department (UDO 9.2.2.D.3).

EXPIRATION DATES: The expiration provisions of UDO Section 10.2.8 E, including the ability to request extensions in the expiration date, apply to this site plan. If significant construction has not taken place on a project after administrative site review approval, that approval may expire and be declared void, requiring re-approval before permits may be issued. To avoid allowing this plan approval to expire the following must take place by the following dates:



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3-Year Expiration Date: May 29, 2028

Obtain a valid building permit for the total area of the project, or a phase of the project.

4-Year Completion Date:

Within four years after issuance of the first building permit for the site plan, the construction of the entire site plan must be completed unless an applicant has been granted vested rights. Failure to complete construction within this specified time frame shall automatically void the approved site plan for which no building permits have been issued.

I hereby certify this administrative decision.

Keegan Mc Donald

Digitally signed by Keegan.McDonald@raleighnc.gov

Reason: I am approving this document Date: 2025.05.29 14:02:39-04'00'

05/29/2025 Date:

Development Services Dir/Designee

Staff Coordinator: Jessica Gladwin

Signed:

SANDERFORD STORAGE

3081 SANDERFORD ROAD RALEIGH, NC 27610

CITY OF RALEIGH SUBMITTAL ASR-0095-2024

SUBMITTED ON: 11.26.2024 REVISED ON: 02.14.2025 REVISED ON: 03.25.2025

Administrative Site Review Ap	
This form is required when submitting site plans as reference 0.2.8. Please check the appropriate building types and incli	
Office Use Only: Case #:	Planner (print):
	an tier. If assistance determining a Site Plan Tier is needed e via the <u>Permit and Development Portal</u> . (Note: There is a
Site Plan Tier: Tier Two Site Plan Tier Three	site Plan 🗸
Building and Development Type (Check all that apply)	Site Transaction History
Detached	Subdivision case #:
Attached Mixed use	Scoping/sketch plan case #:
Townhouse Civic	Certificate of Appropriateness #:
Apartment Cottage Court	Board of Adjustment #:
Tiny house Frequent Transit	Zoning Case #: Design Alternate #:
Open lot Development Option	Design Auternate w.
GENERAL II	FORMATION
Development name: SANDERFORD STORAGE	
Inside City limits? Yes ✓ No	
Property address(es): 3081 SANDERFORD ROAD RA	ALEIGH, NC 27610
Site P.I.N.(s): 1712631588	
Please describe the scope of work. Include any additions, THIS PROJECT CONSISTS OF THE CONSTRUCTION OF INFRASTRUCTURE INCLUDING PUBLIC WATER CONNEC STORMWATER CONTROL MEASURES AND CONVEYANCE.	A 3 STORY SELF STORAGE FACILITY WITH ASSOCIATED CTION, PRIVATE SANITARY SEWER FORCE MAIN, AND
Current Property Owner(s): ROBERT SHUNK	
Company: 919 STORAGE SANDERFORD LLC	Title: ENTITLEMENTS DIRECTOR
Address: 2310 S MIAMI BLVD SUITE 238, DURHAN	I NC 27703
Phone #: 919.308.2123 Email: ROB	ERT@GANDERDEV.COM
Applicant Name (If different from owner. See "who can	apply" in instructions):
Relationship to owner: Lessee or contract purchaser	Owner's authorized agent

Phone #:	Email:	
NOTE: please attach purchase agreemen	nt or contrac	t, lease or easement when submitting this form.
Developer Contact: ROBERT SHUNK		
Company: 919 STORAGE SANDERFO	RD LLC	Title: ENTITLEMENTS DIRECTOR
Address: 2310 S MIAMI BLVD SUITE :	238, DURH	AM NC 27703
Phone #: 919.308.2123	Email: RO	BERT@GANDERDEV.COM
Applicant Name: ROBERT SHUNK		
Company: 919 STORAGE SANDERFORD LLC	Address: 2	310 S MIAMI BLVD SUITE 238, DURHAM NC 2770
Dhann # 010 200 2122	Email: DC	DEDT-GCANDEDDEV COM

DEVELOPMENT TYPE + SITE DATE TABLE (Applicable to all developments)					
SITE DATA	BUILDING DATA				
Zoning district(s) (please provide the acreage of each): CX-3	Existing gross floor area (not to be demolished): 0 SF				
Gross site acreage: 4.51 AC	Existing gross floor area to be demolished: 0 SF				
# of parking spaces proposed: 5	New gross floor area: 30,782 SF				
Max # parking permitted (7.1.2.C): NONE	Total sf gross (to remain and new): 30,782 SF				
Overlay District (if applicable): N/A	Proposed # of buildings: 1				
Existing use (UDO 6.1.4): NOUSTRIAL (TELECOMMUNICATIO	N Proposed # of stories for each: 3				
Proposed use (UDO 6.1.4): INDUSTRIAL (SELF STORAGE)	Proposed # of basement levels (UDO 1,5,7,A,6) 1				

	s	TORMWATE	RINFORMATION
Imperious Area on Parcel(s):			Impervious Area for Compliance (includes ROW):
Existing (sf) 11.215 Pro	posed total (sf) 57.7M	Existing (sf) 11.215 Proposed total (sf) 68.288
RE	ESIDENTIAL 8	OVERNIGH	T LODGING DEVELOPMENTS
Total # of dwelling units:			Total # of hotel bedrooms:
Total # of dwelling units:	2br	3br	Total # of hotel bedrooms: 4br or more
	2br	3br	

gnature: RACK C.	Date: 11000
inted Name: PORET BRAK	Date.
gnature:	I Post-
	Date:
inted Name:	



RIGHT-OF-WAY OBSTRUCTION NOTES:

- THE STREET, LANE, SIDEWALK, CLOSURE PERMIT IS REQUIRED FOR ANY CLOSURE ON CITY STREETS AND ALL NODOT STREETS WITHIN RALEISH'S JURISDICTION.
- A PERMIT REQUEST WITH A TOPED PLAN SHALL BE SUBMITTED TO RIGHT-OF-WAY SERVICES THROUGH THE CITY OF RALEICH PERMIT AND DEVELOPMENT PORTAL.

- ALL PUBLIC SDEWARS MUST BE ACCESSIBLE TO PEDESTRIANS WHO ARE VISUALLY IMPAIRED AND/OR
 PEONE WITH MORELITY CONCERNS, EMISTING AND ALTERNATIVE PEDESTRIAN ROUTES DURING
 CONSTRUCTUS SHALL SE REQUISED TO BE COMPILED WITH THE PUBLIC ROUTE OFF SO P WAY
 ACCESSIBLE ITY CULICIA INSE SPROVAGI, THE AND STANDARDS FOR ACCESSIBLE DESIGN AND THE
 MANAL OF LUNDONIN TRAFFE CONTRICT CONTRICTS GOVERN.
- 7. ALL PERMITS MUST BE AVAILABLE AND VISIBLE ON SITE DURING THE OPERATION.

- EXISTING IMPROVEMENTS DAMAGED OR DESTROYED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED OR REPLACED TO GRISHAL CONDITION AND TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AT THE CONTRACTOR'S EXPENSE.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE PREMISES FREE FROM ACCUMULATIONS OF WASTI MATERIUS AND RUBBISH CAUSED BY THE CONTRACTOR, ALL DEBRIS SHALL BE REMOVED FROM THE PROJECT SITE ON A DUTY BASIS.
- THE ENGINEER AND/OR OWNER DISCLAIM ANY ROLE IN THE CONSTRUCTION MEANS AND/OR METHODS ASSOCIATED WITH THE PROJECT AS SET FORTH IN THESE PLANS.
- ROADWAYS (TEMPORARY OR PERMANENT) MUST BE CAPABLE OF SUPPORTING FIRE FIGHTING APPARATUS (85,000 LBS) DURING ALL PHASES OF CONSTRUCTION ONCE VERTICAL CONSTRUCTION HAS BEGUN.

CX-ZONING LIMITED USE STANDARDS

- A. SILLAREPUTE STURKED USE DITTORY LOD SECTION SELAN.

 FACILITIES PROVIDED BEFORE STORMER AREA FOR PROPIOSAL OR BUSINESS USE DESIGNED TO ALLOW INVADIT ACCESS OF THE TRUMET FOR STORMER AREA FOR PROPIOSAL PROPINCY. SILL-DESPIVE.

 1. VIALY SAULDESS DESCRIPTION BULLTSTORY STORMER.

 2. VIALY SAULDESS DESCRIPTION BULLTSTORY STORMER.

 2. VIALY SAULDESS DESCRIPTION.

SOLID WASTE:

SOLID WASTE TO BE HANDLED BY PRIVATE HAULER.



VICINITY MAP 1" = 200'

SITE DATA

PROJECT NAME:	SANDERFORD STORAGE
SITE ADDRESS:	3081 SANDERFORD ROAD RALEIGH, NC 279
COUNTY:	WAKE
PARCEL PIN #:	1712631688
PARCEL OWNER:	919 STORAGE SANDERFORD LLC
PARCEL AREA:	4,51 AC / 196,244 SF
TOTAL SITE GROSS ACREAGE:	4,51 AC / 196,244 SF
RIGHT-OF-WAY DEDICATION:	0.05 AC / 2,158 SF
NET ACREAGE:	4.46 AC / 194,096 SF
CURRENT ZONING:	CX-3
PROPOSED ZOMING:	CX-3
EXISTING LAND USE:	TELECOMMUNICATION TOWER
PROPOSED LAND USE:	SELF STORAGE / TELECOMMUNICATION TO
FLOOD PLAIN DATA:	NA
RIVER BASIN:	NEUSE
DEVELOPMENT TYPE:	GENERAL
MAX BUILDING HEIGHT:	3 STORIES
PROPOSED BUILDING HEIGHT:	3 STORIES
PROPOSED NUMBER OF LOTS:	1
TREE CONSERVATION AREA:	0.45 AC / 19,549 SF
TOTAL LIMITS OF DISTURBANCE:	3,06 AC / 133,466 SF
EXISTING IMPERVIOUS AREA:	0.26 AC / 11,215 SF



VICINITY

BLOCK PERIMETER EXEMPTION: UDO SECTION 8.3.2.A.1.b.iv The new street or street sub right-of-way, including utility placement easement, would consume more than 15 percent of either the area of the impacted adjacent property or the property be included.

CROSS ACCESS EXEMPTION: UDO SECTION 8.3.5.D.5.b.iii. The creation (on the property to be developed) or continuation (on an adjacent property) of any cross access driveway or driveway stub would be obstructed by steep slopes in excess of 25% within 10 feet of the







	I			M	PM		٦
LAND USE (ITE CODE)	INTENSITY	DALYTRAFFIC	ENTER	Exit	ENTER	Extr	
MINEWAREHOUSE (151)	102,816	163	7	5	9	10	1





GENERAL NOTES:

- THE CONTRICTION SHALL BE RESPONSED FOR CONTRICTION CONTRICTION AND PAYMENT FOR ALL MEDICATION CONTRICTION CONTRICT
- ALL SUB-SURFACE UTILITIES IDENTIFIED ON THE CONSTRUCTION DOCUMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATION SMED ON SURVEY INFORMATION ON THEIR OF PROVINCE HELD INSECTION ANDON ANY OTHER APPLICABLE REPRESENTATION OF ANY OTHER PROMISES OF COMING TO.
- EXISTING IMPROVEMENTS DAMAGED OR DESTROYED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED OR REPLACED TO CHISINAL CONDITION AND TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AT THE CONTRACTOR'S EXPRESE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND COORDINATING PERMITS, INSPECTIONS, CERTIFICATIONS AND OTHER REQUIREMENTS WHICH MUST BE MET UNDER THIS CONTRACT.
- THE CONTRACTOR SHALL MANTAIN YAS BUILT DRAWNIGS TO RECORD THE ACTUAL LOCATION OF ALL PPING PRIOR TO CONCEAL MENT, VALVE AND IMMERICA CHANGES, AND THARBOUNE OR LANDSCAPE CHANGES, DIMANNAS SHALL BE PROVIDED TO THE CONNERS REPRESENTATIVE AT REGULAR INTERVALS, OR AS REQUESTED THROUGHOUT THE PROJECT FOR RECORD REFERO.
- IF DEPARTURES FROM THE PROJECT DRAWINGS OR SECURICATIONS ARE DEEMED NECESSARY BY THE CONTRACTOR, DETAILS OF SUCH DEPARTURES AND REASONS THERE OF SHALL BE SUBMITTED TO THE OWNER'S REPRESENTED FOR REAL BY ADDRAFTURES FROM THE CONTRACT DOLLMENTS SHALL BE MADE WITHOUT THE EXPRESS WRITTEN PERMASSION OF THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RELOCATION OF ANY EXISTING UTILITY LINES REQUIRED TO COMPLETE ANY PORTION OF CONSTRUCTION, THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE COORDINATION AND COSTS OF THE RELOCATION AND ASSOCIATED WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE PREMISES FREE FROM ACCUMULATIONS OF WASTI MATERIALS AND RUBBISH CAUSED BY THE CONTRACTOR. ALL DEBRIS SHALL BE REMOVED FROM THE PROJECT SITE ON A DULY BASIS.
- 11. THE ENGINEER AND/OR OWNER DISCLAIM ANY ROLE IN THE CONSTRUCTION MEANS AND/OR METHODS ASSOCIATED WITH THE PROJECT AS SET FORTH IN THESE PLANS.
- ROADWAYS (TEMPORARY OR PERMANENT) MUST BE CAPABLE OF SUPPORTING FIRE FIGHTING APPARATUS (85,000 LBS) DURING ALL PHASES OF CONSTRUCTION ONCE VERTICAL CONSTRUCTION HAS BEGUN.

EXISTING CONDITION NOTES:

- THIS SURVEY MAP IS INTENDED TO REPRESENT THE EXISTING CONDITIONS/TOPOGRAPHY ON A PORTION OF THE PROPERTY AND ALL ENCLUBRANCES UPON THE PROPERTY MAY NOT BE SHOWN.
- 2. HORIZONTAL DATUM IS NAD 80-2011 AND VERTICAL DATUM IS NAVDBL.
- 3. THIS DRAWING DOES NOT CONFORM TO N.C. GS47-30 AND THEREFORE IS NOT FOR RECORDATION.
- 4. UTILITIES SHOWN HEREON ARE BASED ON ABOVE GROUND VIBIBLE EVIDENCE AND UTILITY DESIGNATION.) MAYRING SERVICES PREVORMED BY STEWART INC. AND THE AVAILABLE RICCORD INCOMATION. CONTRACTOR SHALL PELL DESIRY UDGETOR OF ALL UTILITIES PROR TO COMMENCING CONSTRUCTION.
- 5. SURVEY INFORMATION COLLECTED BY GALLOWAY GEOSPACIAL PLLC 6. TREES SHOWN HEREON MAY NOT REPRESENT ALL VEGETATION ON THE SUBJECT PROPERTY
- 7. NO WETLANDS HAVE BEEN DENTIFIED WITHIN THE PROJECT OR PARCEL SHOWN.

DEMOLITION NOTES:

- 1. REFER TO SHEET C0.20 FOR GENERAL NOTES.
- THE CONTRACTOR SHALL REMOVE CONCRETE (WHERE REQUIRED) TO THE PRIST COLD JOINT OR SAW OUT TO OBTAIN A CLEAN EDGE. THE CONTRACTOR SHALL SAWCUT EXISTING ASPHALT (WHERE REQUIRED) TO OBTAIN A CLEAN EDGE
- CLEANOUTS AND WATER VALVES LOCATED IN AREAS OF DEMOLITION OR SUBSEQUENT CONSTRUCTION SHALL BE PROTECTED FROM DAMAGE AND RAISED TO BE FLUSH WITH NEW GRADE. AMY UTILITY SERVICES SHOWN TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE APPROPRIATE
 UTILITY PROVIDER. CONTRACTOR IS RESPONSIBLE FOR APPROPRIATE SEQUENCING OF UTILITY DEMOLITION WITH
 THE RESPONSIBLE FOR APPROPRIATE.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL UTLITIES PRICE TO BEGINNING DEMOLITION OPERATIONS, NOTIFY THEFIT CHIEFON IN CORE OLL! THE EPRICET CONSIDERATE IT LESS IT AS HOURS PRICE TO STRET OF PROVIDE THEFIT OWN LOCATOR SERVICES INDEPENDENT OF "MORTH APPRILAD DESCRIPTION," CALL OF ALL THIRS THAT PROVIDE THEFIT OWN LOCATOR SERVICES INDEPENDENT OF "MORTH APPRILAD DESCRIPTION.
- CLEAN SOLS SHALL BE UTILIZED FOR BACKFILL COMPACTION OF THESE SOLS SHALL BE PERFORMED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.
- ALLITEMS DESIGNATED TO BE REMOVED SHALL BE REMOVED CONPLETELY, INCLUDING ALL SUBGRADE MATERIALS DIRECTLY ASSOCIATED WITH ITEMS TO BE REMOVED.
- 9. ALL ITEMS DESIGNATED TO BE REMOVED SHALL BE DISPOSED OF LEGALLY OFF-SITE UNLESS OTHERWISE NOTED ON THIS PLAN.
- 10. REFER TO LANDSCAPE AND EROSION CONTROL DRAWINGS FOR TREE PROTECTION PLAN AND REQUIREMENTS. 11. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL JURBOICTIONAL CODES OR REDUREMENTS.
- 12. TREE PROTECTION FENCING SHALL BE IN PLACE PRIOR TO BEGINNING DEMOLITION
- 13. EROSION CONTROL PERMIT SHALL BE OBTAINED AND ONSITE PRIOR TO BEGINNING DEMOLITION.
- ITEMS DESIGNATED TO BE SALVAGED AND/OR RE-USED SHALL BE REMOVED BY THE CONTRACTOR AND PROVIDED TO THE OWNER. COORDINATE STORAGE LOCATION WITH OWNER'S REPRESENTATIVE.
- 5. WHERE UTLITIES (TO BE REMOVED) IMPACT THE FORTH TO THE NEW BILLIONG, THE CONTRACTOR SHULL EXECUTE AND REMOVE AN ADDITIONAL 2 PEET OF SOLIST OF BITHER SIDE OF THE RIFE, AND 1 FOOT BELOW. CLEAN SUTFACE, SOIL, SHALL BE UTLIZED FOR BACKGUIL, AND COMPACTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- M. DEMOLITION AND SUBSEQUENT CONSTRUCTION OF STORM DRAINAGE PIPING SHALL BE PERFORMED IN SUCH A MANNER THAT THE OLD PIPE AND STRUCTURES REMOVED DO NOT IMPACT DRAINAGE UPSTREAM OF THE SYSTEM PROVISIONS SHALL BE MODE TO MAINTAIN STORM WATER DRAINAGE PATERINS DUFFING CONSTRUCTION.
- DEMOLITION AND SUBSEQUENT CONSTRUCTION OF UTILITIES (WATER, SEWER, ETC) SHALL BE PERFORMED IN SUCH A MANNER THAT THE CLID PIPE AND STRUCTURES REMOVED DO NOT IMPACT OR MINIMZE SERVICE INTERRUPTION TO EXISTING PACILITIES TO REMAIN, PROVISIONS SHALL BE MADE TO MANTAIN SERVICE DURI
- . ALL MATERIALS, FURNISHINGS, UTLITIES, AND PAVEMENT THAT ARE NOT SCHEDULED TO BE DEMOLISHED AND ARE DAMAGED BY THE CONTRACTOR AS A RESULT OF THE DEMOLITION OR CONSTRUCTION OPERATIONS SHALL BE REPAIRED BY THE CONTRACTOR AT OA DOTTONAL COST TO THE OWNER.
- . WHERE UTLITIES ARE SHOWN TO BE "REMOVED", CONTRACTOR SHALL NOLLIDE NECESSARY PLUG OR WALVES TO ENSURE UTILITY LINES TO REMAIN WILL CONTINUE TO BE IN SERVICE. COORDINATE NECESSARY SHUT DOWN AND REMOVAL WITH THE LOCAL LIRESECTION OR UTILITY OWNER.
- 21. CONTRACTOR SHALL PROVIDE PEDESTRIAN INGRESS (EGRESS TO ALL EXISTING BUILDINGS, PARKING LOTS, AND PATHS OF PEDESTRIAN TRAVEL THROUGHOUT THE CONSTRUCTION PERIOD

MATERIALS AND FURNISHINGS NOTES:

- ABBREWIATIONS FOR SPECIFIC HARDSCAPE MATERIALS AND FURNISHINGS ARE LISTED IN THE LEGEND AND ARE LISTO THROUGHOUT THE DRAWING SETS HARDSCAPE & FURNISHINGS PLANS, PAVING PATTERN PLANS AND SITE DETAILS.
- REFER TO RELATED SPECIFICATION SECTION FOR SPECIFIC SUBMITTALS OF PRODUCT DATA, SAMPLES, SHOP DRAWNOS, QUALITY ASSURANCE REQUIREMENTS, EXECUTION REQUIREMENTS, AND FOR PURTHER PRODUCT INFORMATION NOT NEULOBED IN THIS SCHEDULE
- CONTRACTOR TO SUBMIT COLOR SAMPLES AND PROVIDE MOCK-UPS FOR ALL CAST IN PLACE CONCRETE FOR APPROVAL BY LANDSCAPE ARCHITECT.

SITE NOTES:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF THE CONSTITUTION OF THE PROPERTY OF THE PROPERTY OF THE AND ASSOCIATES OF ATTS, THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE REMOVAL OF THE CONSTITUTION LAYDOWN AREA PERIMETER FENCE AN ASSOCIATED GATES AT THE COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL REFERENCE THE DESIGN PLANS FOR DIMENSIONS, JOINT LOCATIONS, AND INLAY SPECIFICATIONS NEAR BUILDINGS AND IN COUNTYARDS, CONTRACTOR SHALL PROVIDE JOINTS IN WALKWAYS AND HARDSCAPE PLAN SHEETS.
- ALL CONSTRUCTION TRAFFIC SHALL ENTER SITE FROM SANDERFORD RD UNLESS OTHERWISE APPROVED IN WINTING FROM THE OWNERS REPRESENTATIVE FOR AN ALTERNATE POINT OF ACCESS.
- 4. REFER TO ARCHITECTURAL PLANS FOR BUILDING INFORMATION.
- ALL DIMENSIONS ARE IN DECIMAL FEET TO OUTSIDE FACE OF BUILDINGS, TO CENTERLINES, AND/OR FACE OF CURB UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND COORDINATES AND REPORT ANY DISCRETTHE OWNERS REPRESENTATIVE PRIOR TO ANY CONSTRUCTION.
- 7. ALL WRITTEN DIMENSIONS SHALL PREVAIL. DO NOT SCALE FROM DRAWINGS.
- 9. ALL ANGLES ARE 90 DEGREES UNLESS OTHERWISE NOTED. 10. ALIGN ALL JOINTS, CORNERS, AND EDGES AS SHOWN
- CONTRACTOR SHALL REFER TO AND COORDINATE WITH ARCHITECTURAL, STRUCTURAL, AND MEP DRAWINGS AT ALL TIMES PRIOR TO AND DURING CONSTRUCTION.

ALL UTLITIES WITH SURFACE ACCESS SHALL BE LOCATED WITHIN THE PAVING PATTERN AND SHALL BE COORDINATED WITH LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. REFER TO LAYOUT DRAWINGS.

- 12. ALL CURB TAPERS ARE SIX (6') FEET LONG UNLESS OTHERWISE SHOWN ON PLAN.
- 13. WHERE NEW SIDEWALK ADJOINS EXISTING WALK, PROVIDE EXPANSION JOINT BY DRILLING INTO THE FACE OF THE EXISTING WALK FOR PLOCEMENT OF DOWELS. THE NEW SIDEWALKS INTO NEAREST EXISTING PAYMENT JOINT; MINTOH MIDTH OF EXISTING WALKWAY.
- 14. WHERE SIDEWALK OR WALKWAYS ARE ADJACENT TO PARKING SPACES THE WALKWAY SHALL BE A MINIMUM 6.9 WIDE AS MEASURED FROM THE FACE OF CURB.
- MAXIMUM RUNNING SLOPE FOR WALKING SURFACES CANNOT BE GREATER THAN 1:20 AND CROSS SLOPES CANNOT BE GREATER THAN 1:49. HANDICAP SPACES SURFACE SLOPES SHALL NOT EXCEED 1:48 IN ALL DIRECTIONS.
- THE SITE SHALL BE FULLY STABLIZED (80% COVERAGE) PRIOR TO ISSUANCE OF A BUILDING CERTIFICATE OF OCCUPANCY OR PROJECT APPROVAL HANDICAP RAMPS SHALL BE INSTALLED PER LATEST EDITION OF THE NO BUILDING CODE AND ANSI 1 WITH DETECTABLE WARNING DOMES WITH A COLOR CONTRAST OF 70% MINIMAL SEE DETAILS AND WITH A DUTTE THE SELECTION OF THE EXISTING CONTRACT OF THIS MINIMUM. SEE DETAILS AND GRADING SHE SELECTION FOR THE EXISTING CONDITIONS PRECLUDE THE AUXILITY TO PROVIDE A MAXIMUM SLOPE THE FOR SHALL NOTICE A MAXIMUM CROSS SLOPE OF 118 AND AS MINIMUM LANDING. THE CONTRACTOR SHALL NOTICE AND THE CROWNER REPRESENTATIVE PROPER TO INSTALLATION.
- THE TESTING AGENCY SHALL BE RESPONSIBLE FOR PROMICING THE ASPHALT AND CONTRACTOR CERTIFICATION MEMO TO NODOT FOR ALL ROADWAY IMPROVEMENTS WITHIN THE PUBLIC RIGHT OF WAY.

GRADING AND STORM DRAINAGE NOTES:

- 1. REFER TO SHEET C0.20 FOR GENERAL NOTES.
- 2. CONTRACTOR SHALL REPORT ANY GRADE DISCREPANCIES TO THE OWNER'S REPRESENTATIVE PRIOR TO BEGINNING CONSTRUCTION OPERATIONS.
- 3. THE MAYHIM IS DOE ALONG ANY MANDLOP ACCESSIBLE PATHWAY SHALL NOT EXCEED 30'S AND SHALL NOT EXCEED A 20'S CROSS GOE! MANDLOR PAMES INDICATED ON PLANS SHALL BE A MANDLAND OF 112 SLOPES MITH A MANDLAND RISE OF 30' BETWEEN LANDINGS. NON-LURS CUIT RAMPS SHALL HAVE HANDRALS. AND DULANDS FER DETAILS WITH 51 LIMINISS AT THE BOTTOM AND TOP OF PAW.
- ALL PROPOSED ELEVATIONS SHOWN ARE EDGE OF PAVEMENT ELEVATIONS UNLESS OTHERWISE SPECIFIED
- 5. THE CONTRICTOR SHALL BE RESPONDED FOR FOR SHAPE THAT ALL SHAPE CONSTITUENTS BY THE DESIGN OF THE RESPONDED FOR THE
- REFER TO THE EROSION CONTROL DETAILS SHEET FOR THE SEQUENCE OF CONSTRUCTION
- INTERIM GRADING SHALL BE PROVIDED THAT ENSURES THE PROTECTION OF STRUCTURES, UTILITIES, SIDEWALKS, PAKEMENTS, AND OTHER FACILITIES FROM DAWAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, AND WASHOUT
- 9. INTERIM GRADING SHALL BE PROVIDED TO DIRECT WATER AWAY FROM BUILDINGS AND PREVENT PONDING.
- 10. THE ROOF LEADERS WHERE POSSIBLE TO UNDERGROUND STORM SYSTEM. CONTRACTOR TO FIELD WERE'N LOCATE AND INSTALL WHERE POSSIBLE OR AS SHOWN ON PLANS. WHERE ROOF LEADERS DAYLGHT AT GRADE A SPLASH BLOCK APPROVED BY THE OWNERS REPRESENTATION SHALL BE INSTALLED.
- 11. MAXIMUM SLOPE ACROSS ANY HANDICAPPED PARKING SPACE AND ABLE SHALL NOT EXCEED 2% IN ANY DIRECTION.
- 12. PROPOSED CONTOURS ARE APPROXIMATE. SPOT ELEVATIONS AND ROADWAY PROFILES SHALL BE USED IN CASE OF DISCREPANCY. THE PLACE LOCATION AND PLACE AND PLACE THE THE THE PLACE STATE OF THE PLACE STATE STATE OF THE PLACE STATE OF THE PLACE STATE OF THE PLACE STATE STATE OF THE PLACE STATE STATE OF THE PLACE STATE ST
- STE GRADING RWEDIATELY ADJACENT TO FOUNDATION OF BILLDING SHALL SLOPE NOT LESS THAN 1/20 AWAY FOR MINIMUM DISTANCE OF 10 TEST. ALTERNATIVE RETHERD SHALL SE PROVIDED TO EVIENT WATER AWAY AND ALTERNATIVE STEAM SHALLOW, A MINIMUM OF 25 OF MEPRICADES SUPPLIES SLOPED AWAY A MANUAGO 275 AWAY STEAM SHILDING.
- 15. CONTRACTOR SHULL ADJUST RIM ELEVATIONS OF EXISTING MANHOLES, METERS, VALVES, ETC. AS RECORDED TO MEET NEW FINISHED GRADES.
- 16. CONTRACTOR SHALL SLOPE GRADES TO ASSURE POSITIVE STORMWATER FLOW TO KEEP WATER FROM POOLING ALONG CURRS AND WALLS.
- 17. TOP OF WALL FLEVATIONS INDICATE THE FLEVATION AT THE TOP OF THE CAP, UNLESS OTHERWISE NOTED
- 18. BOTTOM OF WALL ELEVATIONS INDICATE THE ELEVATION OF THE FINISHED GRADE.

- END ALL UMT PAYING PATTERNS WITH A FULL OR HALF SIZE PAYER UNLESS OTHERWISE NOTED. USE OVERSIZE PAYERS WHERE PATTERN ENDS ON A UNIT SWALLER THAN HALF SIZE.
- LAYOUT OF UNIT PAVING PATTERNS AND CONCRETE JOINTS AS INDICATED ON THIS PLAN. REFERENCE LAYOUT PLANS FOR FURTHER PAVING LAYOUT INFORMATION.
- 3. PAVERS ABUTTING TRUNCATED DOWES SHALL BE A CONTRASTING COLOR

- 10. ALIGN ALL JOINTS, CORNERS AND EDGES AS SHOWN. 11. FINAL LAYOUTS TO BE APPROVED BY LANDSCAPE ARCHITECT.

SIGNAGE, STRIPING AND MARKING NOTES:

- ALL INTERNAL SIGNAGE SHALL BE COORDINATED WITH OWNER FOR ACTUAL LOCATION AT TIME OF INSTALLATION. SIGNAGE LEADING ONTO PUBLIC THOROUGHFARE SHALL BE INSTALLED AT RIGHT OF WAY BEED DOT STAMPARIS.
- ALL PAWEMENT STREING (EXCEPT INDIVIDUAL PARKING BAY STRIPING) SHALL BE THERWOPLASTIC REFLECTIVE PAINT, MATERIALS AND DIMENSIONS SHALL CONFORM TO NODOT STANDARDS AND SPECHFICATIONS, PAPKING BAY STREINGS SHALL BE WHITE REFLECTIVE PAINT.
- ADA SYMBOLS SHOWN THESE DRAWINGS ARE FOR LOCATION PURPOSES ONLY AND NOT INTENDED TO B
 PAINTED. CONTRACTOR RESPONSIBLE FOR INSTALLING ALL REQUIRED ADA SIGNAGE.

UTILITY NOTES:

- 1. REFER TO SHEET CO20 FOR GENERAL NOTES.
- 2. UNLESS OTHERWISE NOTED, ALL MANHOLES SHALL BE PRE-CAST CONCRETE STRUCTURES.
- THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION OF UNDERGROUND UTLITIES (WATER, SERVER, STORM, ELECTRICAL, CAS, OR OTHER) FOR THIS PROJECT WITH THE BULLDING PLANS, THE UTILITY CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE INSTALLATION OF ALL UTLITY SERVICES TO WITHIN FIVE (6) FEET OF THE BULLDING CONNECTION FORT.
- THE CONTRACTOR SHALL COORDINATE WITH OTHER CONTRACTORS ON SITE AND UTILITY PROVIDERS DURING CONSTRUCTION TO ENSURE SMOOTH TRANSITION BETWEEN DISCIPLINES.
- THE CONTRACTOR SHALL COORDINATE ALL PEDESTRIAN AND VEHICULAR INTERRUPTIONS WITH OWNER'S REPRESENTATIVE AT LEAST 72 HOURS PRIOR TO BEGINNING WORK.
- THE CONTRACTOR SHALL NOT PROCEED WITH ANY WORK INSIDE THE PUBLIC RIGHT OF WAY PRIOR TO RECEIPT AND COMPLIANCE WITH ALL APPLICABLE INCOOT PERMITS, ADDITIONALLY, THE CONTRACTOR SHALL BEE RESPONSIBLE FOR PROVIDING ALL NECESSARY FLAGGERS AND TRAFFIC CONTROL DURING ALL WORK INSIDE THE FUELD RIGHTS OF WAY.
- THE CONTRACTOR SHALL NOT RELISE ANY FIRE HYDRANT REMOVED AS PART OF THIS PROJECT. ANY FIRE HYDRANT SHOWN TO BE REMOVED OR RELOCATED SHALL BE REPLACED WITH A NEW FIRE HYDRAN MEETING THE LOCAL JURISDICTIONAL REQUIREMENTS AND STANDARDS.
- ALL DESTRUCTION DE ALLEGNES CUI STILLE ENVITAIRE DE THE CONSTRUCTION D'OCUMENT A SE SHOON THE PROPERTIES DE STONE DE STO
- ELEVATIONS OF UTILITIES ARE GIVEN TO THE EXTENT OF INFORMATION AVAILABLE, WHERE ELEVATIONS ARE NOT OFFEN AT POINTS OF PUSTING UTILITY CROSSINGS, SUCH ELEVATIONS SHALL BE DETERMINED. ARE NOT AND ALL PROPERTY OF THE PROPERTY OF THE POINT OF
- UNDERGROUND UT, ITIES SHOWN ON THIS PLAN SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION OF PARKING AREA, DRIVES, CURB AND GUTTER OR CONCRETE WALKS (PAGS, IF UTLITIES SHOWN ON THIS PLAN CANNOT BE INSTALLED PRIDR TO INSTALLATION OF INFERVIOUS (ASPHALT) CONCRETE) CONDUIT SHALL BE INSTALLED FOR THE "PUTLING UTLITY INSTALLATION.
- ASHIBLT DOCUMENTATION REQUIREMENTS: PRIOR TO APPROVAL FROM LOCAL JURISDICTION OR ENGNEER THE CONTRACTOR SHALL PROVIDE ASHIBLT DRAWINGS (IN BOTH PAPER AND ELECTRONIF CROWNERS) AND ENGNEET AND ELECTRONIF CROWNERS AND AND ENGNEET AND ENG

PROPOSED UTILITY SEPARATION:

- WATER MAINS SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM EXISTING OR PROPOSED SEWERS, UNLESS LOCAL CONDITIONS OR BARRIERS PREVENT A 16-FOOT HORIZONTAL SEPARATION IN WHICH
 - a. THE WATER MAIN IS LAID IN A SEPARATE TRENCH, WITH THE ELEVATION OF THE BOTTOM OF THE WATER MAIN AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER; OR
 - THE WATER MAIN IS LAID IN THE SAME TRENCH AS THE SEWER WITH THE WATER MAIN LOCATED AT ONE SIDE OF A BENCH OF LINDISTLINEED BARTH, MID WITH THE LIEUVATION OF THE BOTTOM OF THE WATER MAIN AT LEAST 18 NOVERS BROVE THE TOP OT THE SEVER.
- CROSSING A WATER WAN OVER A SEMENT VIRENCESS IT IS DECESSARY FOR A WATER WAN TO GROSS OWER A SEMENT HE WATER WAN SHELL ARE AS SHOW HE ELEVATION HAT THE POTTOM OF THE WATER WAN SHE ALEXED IS NOT SHOW THE TOP OF THE SEMEN WATER WAS A LEAST IS NOTHER AND THE TOP OF THE SEMEN WATER WAS A CONSTITUTION OF THE WATER WAS AND SEMENT WAS A PROPERTY OF THE WATER WAS AND SEMENT WAS A PROPERTY OF THE WATER WAS AND WITH JOINTS THAT ARE COUNTAINED TO THE WATER WAS AND WITH JOINTS THAT ARE COUNTAINED TO WATER WAS SHOWNED FOR A DESTRUCTION OF THE TERM OF THE WATER WAS AND WATER WAS SHOWNED FOR A DESTRUCTION OF THE TERM OF THE THE WATER WAS AND WATER WAS SHOWNED FOR A DESTRUCTION OF THE TERM OF THE WATER WAS AND WATER WAS SHOWNED FOR A DESTRUCTION OF THE TERM OF THE WATER WAS AND WATER WAS SHOWNED FOR A DESTRUCTION OF THE TERM OF THE WATER WAS AND WATER WAS AND WAS A DECEMBER.
- CROSSING A WATER MAN UNDER A SEWER. WHENEVER IT IS NECESSARY FOR A WATER MAN TO CROSS UNDER A SEWER, BOTH THE WATER MAN NO THE SEWER SHALL BE CONSTRUCTE OF FERROUS MATERIALS AND WITH JOHNS EQUITALENT TO WATER MAN STADWINGS FOR A DISTANCE OF OFEET ON EACH SIDE OF THE POINT OF CROSSING. A SECTION OF WATER MAIN PIPE SHALL BE CENTERED AT THE POINT OF CROSSING.
- 4. SEPARATION OF SANITARY SEWERS AND STORM SEWERS
 - A 24" VERTICAL SEPARATION SHALL BE PROVIDED BETWEEN STORM SEWER AND SANITARY SEWER LINES OR BOTH THE SANITARY AND THE STORM LINES SHALL BE CONSTRUCTED OF FERRINIS MATTRIALS.

- SWITTARY SEWER CLEANOUTS LOCATED IN PAVEMENT AREAS SHALL BE HEAVY DUTY TRAFFIC BEARING CASTINGS.
- 2. UNLESS OTHERWISE NOTED, ALL SANTARY SEWER MANHOLES ARE 4 DIA.
- MANHOLES LOCATED IN PAYMENT, CONCRETE OR OTHER TRYFT, AREAS SHALL BE SET AT GRADE, MANHOLES LOCATED IN OTHER REAGE ALE, GRADE OR WOODEN AREAS SHALL HAVE THER PIRS PASSED SIX NO-ICES ABOVE THE SURROUNDING GRADE, MANHOLES SUBJECT TO POSSIBLE WATER INFILTRATION SHALL HAVE WATERTRIGHT, DOCUMENT OLD US.

- UNLESS OTHERWISE NOTED, LOCATE SANITARY SERVICE CLEANOUTS AT ALL HORIZONTAL OR VERTICAL CHANGES IN DIRECTION, MAXIMUM SPACING BETWEEN CLEANOUTS SHALL BE 75 FEET. SEWER LINES LESS THAN 3 FEET OF COVER SHALL BE CLASS 50 DUCTILE IRON PIPE. SEWER LINES WITH GREATER THAN 3 FEET OF COVER SHALL BE AS NOTED BELOW: 4" SEWER SERVICE - SCH 80 6" SEWER SERVICE - SCH 80 8" SEWER SERVICE - SDR-35
- SERSE LIVES ARREST CONSTITUTION SHALL BE PROTECTED FROM HIS TOBBES OF OTHER CONTRIBUTIONS TO THE REST EXCHANGES, AUGUSTALES, AUGUSTALES AND SHALL BE TO THE TOBBES OF IMMERSHITS UPSTREAM OF THE REST CONSTRUCTION AND AT THE FIRST MANNAL DOWNSTRAM IN THE DISTRING SYSTEM, AUGIST OF STRUCTURES, PEPINS AND APPLICATIONS CONSCITUTION CONNECTION TO OR IN THE FROM ANY PELOW OF WATER, LIGHT OR DESIRED UPSTREAMING SHALL DESIRED AND CONSTRUCTION CONNECTION TO OR IN THE VICINITY OF THE DESIRING SYSTEM. CONTRIVENTOR TO RESENVE DESIRES AND FLOREST OCCUPANCY.
- 6. ALL MANHOLES COVERS SHALL BE PAINTED TO LOCAL JURISDICTIONAL REQUIREMENTS

- AS INDICATED, ALL WATERLINES SHALL BE DUCTILE IRON PIPE MEETING THE REQUIREMENTS OF AMBLAWAYA C151 PRESSURE CLASS 350 OR SOFT COPPER TYPE VIPE PER ASTM BISS. IF PVC WATER, NE IS INDICATED ON THE PLANS IT SHALL MEET THE REQUIREMENTS OF AWAYA C-000; O
- 2. ALL WATERLINES SHALL HAVE A MINIMUM OF 3.5 FEET OF COVER.

 - TESTING NOTES:
 PRESSURE:
 LEARNES SHALL NOT EXCEED THE MAXIMUM ALLOWABLE LEARNES SHECKHED IN ANYM C 600.
 MANIMUM TEST PRESSURE SHALL BE 100 PSI POR COMESTIC AND 200 PSI FOR PIRE PROTECTION.
 TESTING NOTE: MINIOUN TEST PRESSURE SHALL BE 150 PSFOR DOMESTIC AND 250 PSFOR PREPROTECTION BACTERIDIOGEOLE.
 TWO SAMPLES FOR BACTERIDIOGICAL SAMPLING SHALL BE COLLECTED AT LEAST 24 HOURS APART. IF CONTANNATION IS INDICATED, THEN THE DISHIPECTION PROCEDURE AND TESTING SHALL BE REPEATED UNIT, SATISFACTORY RESULTS AND DITAINED.
 - THE CHLORINE IN HEAVLY CHLORINATED WATER FLUSHED FROM MAINS NEEDS TO BE NEUTRALIZED BEFORE DISCHARGE. CONTRACTORS SHALL NEUTRALIZE HEAVLY CHLORINATED WATER FLUSHED FROM MINIS PRIOR TO DISCHARGE OF TRANSPORT ALL HEAVILY CHLORINATED WATER OFFSITE FOR PRIORPER
 - PAINT VALVE COVERS, FRE HYDRANTS AND OTHER WATER APPARATUS TO MEET THE LOCAL JURISDICTIONAL REQUIREMENTS.



January 29, 2025

Swift Partners 424 S Dawson St Raleigh, NC 27601

RE: 3081 Sanderford Road Storage

This is a letter of support for trash and recycling services for your expansion project at 3081 Sanderford Road, Radiekh, NC 27810. We have reviewed the plans submitted on January 22, 2025, and have found that GEL Enricomental will be able to safely perform all needed services using the roil out carts for pickup in location the day before service day placed at the curb for this expansion.

If the project design changes, this letter is void and a new letter must be issued. Additionally, this letter is non-transferable.

We want to visit the site during the initial phases of construction to ensure that the site will continue to be safe to service.

We look forward to providing waste and recycling services at your new property once it has bee

Sincerely, Christic Bialch Account Manager
GFL Environmental – Raleigh
3741 Conquest Drive
Garner NC 27529
(M) 919-449-1692

3301 Benson Drive, Suite 601, Raleigh, NC 27609 Tel: 919-325-3000 | offeny.com





VICINITY





NOTES GENERAL !

C_{0.20}

SURVEY LEGEND:

SURVEY CONTROL POINT
EASTING DON PIPE
EASTING CONCRETE NONUME
COMPUTED POINT
STORM DRAIN MANHOLE
STORM DRAIN CURS INLET
SANTIARY SEVER CLEANOUT
SANTIARY SEVER CLEANOUT
SANTIARY FORGEMAN VALVE
HYDRAINT
WATER WALVE WATER VALVE WATER METER WATER MANHOLE

WATER VAULT WELL GAS VALVE GAS WALVE
GAS METER
TELEPHONE MANHOLE
TELEPHONE PEDESTAL
TV MANHOLE
TV PEDESTAL
FINE OPTIC WITNESS POST

BILLIAND
SIZE
SIZE
HISSED FLOOR ELEVATION
DECEDIOUS TREE
EVEROREEN TREE
BUSH
WHEE FENCE
CHAN LINK FENCE
UNDERGOOUND TELEPHONE LINE
UNDERGOOUND FREE OFFICE UND
UNDERGOOUND GAS LINE
UNDERGOOUND GAS LINE
UNDERGOOUND GAS LINE

SANITARY SEWER LINE STORM DRAIN LINE

| Free | Section UNKNOWN DESTINATION
CONCRETE SURFACE
DUCTILE IRON PIPE
POLYVÍNYL CHLORÍDE PÍPE

HIGH-DENSITY POLYETHYLENE PP REINFORCED CONCRETE PPE CORRUGATED METAL PIPE TREE LEGEND:

MS SOUTHERN MAGNO
PO EASTERN SYCAMOR
PT LOBLOLLY PINE
GR RED OAK
EXAMPLE: 100R = 107 RED OAK

NOTES:









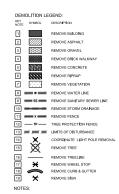






EXISTING CONDITIONS PLAN

C1.00





PARTNERS

SWIFT









DEMOLITION PLAN

CX-ZONING LIMITED USE STANDARDS

FULL WIDENING SECTION AP

PAVEMENT WEDGE

SITE LEGEND:

GRADING LEGEND:

EGEND:
DESCRIPTION
PROPOSED GREENWAY EASEMENT AREA
LIMITS OF DISTURBANCE
PROPOSED INJUR CONTOUR
PRINCIPLE MANOR CONTOUR
PUSTING MANOR CONTOUR
PROPOSED STORM CONTOUR
PROPOSED STORM DRANAGE

RIPRAP DISSIPATOR FLOW DIRECTION PROPOSED ELEVATION PROPOSED ELEVATION
TO 44.90 TOP/BOTTOM OF CURB

TW 46.00 TOP/BOTTOM OF WALL

1. SEE SHEET CO.10 FOR GENERAL AND SITE NOTES.

NO TEMPORARY OR PERMANENT ENCROACHMENTS (INCLUDING, BUT NOT HIMTED TO: CLEARING, GRADING, FENCING, AND THE INSTRUCTION OF RETAINING WALLS OR OTHER STRUCTURES) ARE PERMITTED WITHIN THE GREENMAY EXEMENT AREA, WITHOUT PRIOR APPROVABLY THE CITY OF RALEIGH.

ADA NOTES

- RAMPS SHALL COMPLY WITH TH NOSBC SECTION 1010.





PARTNERS FIRM LICENSE: P-2187

VICINITY









WET DETENTION POND CROSS SECTION A-A

12' COMPACTED BENTONTE CLAY LINER UTILIZED FOR COMPLETE POND POOTPRINT BELOW WATER SURFACE ELEVATION. INFLITRATION TESTING REQUIRED AFTER INSTALLATION. CANNOT EXCEED, OF INHR

GRADING LEGEND:

SYMBOL DESCRIPTION

LIMITS OF DISTURBATION

200 PROPOSED MAJOR O

0 **

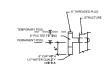


GENERAL NOTES:

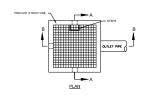
- PRECAST STRUCTURES SHALL CONFORM TO LATEST ASTM C-919 SPEC FOR "REINFORCED CONCRETE WATER AND WASTE WATER STRUCTURES."
- SHOP DRAWINGS MUST BE SUBMITTED AND APPROVED BY THE ENGINEER REFORE CONSTRUCTION
- GEOTECHNICAL ENGINEER SHALL MONITOR DAM AND STRUCTURE INSTALLAND ALL FILL AREAS SHALL BE COMPACTED TO 95% OF THE MATERIALS MAXINUM OF DENSITY UNLESS OTHERWISE DICTATED BY GEOTECH ENGINEER
- DRAINAGE AREA MUST BE STABILIZED PRIOR TO INSTALLATION PERMANENT STORMWATER CONTROL
- PRIOR TO FINAL CERTIFICATE OF OCCUPANCY, SURVE SEALED AS-BUILT DRAWINGS OF WATER QUALITY BAS OUTLET STRUCTURE SHALL BE SUBMITTED TO ENGINE CODE ADDRESSAL AND WET DRAWN TO DASS INSECTION.

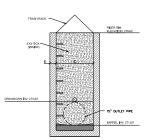
NOTES:

 SEE SHEET CO.10 FOR GENERAL, SITE, GRADING AND PLANTING NOTES.



WATER QUALITY ORIFICE DETAIL





SECTION A-A

DIMENSION CHART

DESCRIPTION	DIMENSION
Inside Dimension of Outlet Structure (ft) (Squore Box)	4"x4"
Width of Outlet Structure Walls (in)	6.00
Outlet Pipe Diameter (in)	15.00
Emergency Weir Width (ft)	20.00
Anti-seep Collor Length and Width (ft)	7.00
Clearance between Outlet Structure and Anti-seep Collor (ft)	10.00
Additional Anti-seep Collar Spacing Downstream (O.C.) (ft)	20.00















C5.10



SYMBOL DESCRIPTION

W EXISTING WATER LINE
W PROPOSED WATER LINE
SS EXISTING SANITARY SEWER LINE
SS PROPOSED SANITARY SEWER LINE PROPOSED FIRE HYDRANT

PROPOSED WATER VALVE EXISTING SANITARY SEWER I PROPOSED SANITARY SEWER MANHOLE PROPOSED CLEANOUT PROPOSED FDC

PROPOSED POST INDICATOR VALVE (PM) GREASE INTERCEPTOR

- 300' HYDRANT COVERAGE CIRCLE PROPOSED GREENWAY EASEMENT AREA

- 1. SEE SHEET CO.10 FOR GENERAL AND SITE NOTES.
- 2. NO TRANSPORT OF RESIDENCE TRANSPORTS INCLUDING BUT NOT LIMITED TO CLEARING GRACING FERGULA, MOD THE INSTILLATION OF RETAINING WALLS OR OTHER STRUCTURES), BUT PROTECTION OF RESIDENCE AND THE INSTILLATION OF RESIDENCE AND ADMINISTRATION OF RESIDENCE AND

CITY OF RALEIGH STANDARD UTILITY NOTES:

- ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WI CITY OF RALEISH DESIGN STANDARDS, DETALS & SPECIFICATIONS (REFERENCE: CONFILID HANDSCOK, CURRENT EDITION)
- 2. UTILITY SEPARATION REQUIREMENTS:
- LIT SUPPORT LIVE SULUPLIABILITYS:

 A ADSTRACE OF 905 SHALL BE MINITAINED BETWEEN SANTARY SEMER & ANY PRIVATE OR PUBLIC WATER BUPYLY SOURCE SUCH AS AN DIMENSION SERVICE WAS AS A GOURCE OF ORNAND.

 AS AN INFORMATION SERVICE WAS AS AS OF ORNAND.

 FERROUS SANTARY SEWER PIPE SHALL BE SPECIFIED & RISTALLED TO WHERE AS SEPCIFICATION. ON CHOPER THE MINITED SEPCIFICATION SHALL ROT SEPCIFICATION SERVICE WELL ON STROMA PRIVATE WELL ON STROMA PRIVATE WELL ON STROMA PRIVATE WELL ON STROMA PRIVATE WELL.
- 3) WHEN NOTALING WATER AND SEWER MAINS, THE HORIZONTAL SEPARATION SETWIES UTLIFIES SHALL BE 1V, IF THIS SEPARATIO CAMPOTE SHAPPING CONDITIONS, THE CAMPOTE SHAPPING CONDITIONS, THE WATER MAINS AT LIAST 1F ADDITION OF THE WATER MAINS AND MAINS AND
- C) WHERE IT IS IMPOSSIBLE TO OSTAIN PROPER SEPARATION, OR ANYTHIE A SANTARY SEWER PASSIS OWER A WATERMAN, OP MATERIALS OR STEEL ENCASEMENT EXTRODE 01 ON DEACH SIDE OF CROSSING MUST BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS.
- MAINTAIN IS MILLY PERTICAL SEPARATION AT ALL WATERMAIN'S RCP STORM DEVIN CROSSINGS, MAINTAIN IS MIN, VERTICAL SEPARATION AT ALL SAVITARY SEVERS IS RCP STORM DRAIN CROSSINGS, WHERE ADEQUATE SEPARATIONS CONNET BE ACHIEVED, SPECIFY IMMERIALS & A CONNECTE CRADIC HAVING STILL, CLEARANCE (PER CORPOL) DEFILIS VIA 18 SAVI).
- ALL OTHER UNDERGROUND UTILITIES SHALL CROSS WATER & SEWER FACILITIES WITH 16" MIN. VERTICAL SEPARATION REQUIRED
- ANY NECESSARY FIELD REVISIONS ARE SUBJECT TO REVIEW & APPROVAL OF AN AMENDED PLAN SICR PROFILE BY THE CITY OF RALEIGH PUBLIC UTLITIES DEPARTMENT PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN CONTINUOUS WATER & SEWER SERVICE T EXISTING RESIDENCES & BUSINESSES THROUGHOUT CONSTRUCTION OF EXEMPTING RESIDENCES & BUSINESSES THROUGHOUT CONSTRUCTION OF PROJECT ANY NECESSARY SERVICE INTERRUPTIONS SHALL BE PRECEDED BY A 24-HOUR ADVANCE NOTICE TO THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT.
- 3.0 MINIMUM COVER IS REQUIRED ON ALL WATER MAINS & SEWER FORCE MAINS, 4.0 MINIMUM COVER IS REQUIRED ON ALL REUSE MAINS.
- IT IS THE DEVLOPER'S RESPONSIBILITY TO ASMOON OR REMOVE EXISTING WATER A SEVER SERVICES NOT BEING USED IN REDEVLICE/WENT OF A SITE UNLESS OTHERWISE OFFICE BY THE CITY OF RALEIGN PUBLIC UTLIFIES DEPARTMENT. THIS INCLUDES ADMODNING TAY AT MAY IN REMOVAL OF SERVICE FROM TWO OF A DEMANDED THE CONCEDURE.

 SERVICE FROM TWO OF A DEMENTIFER COOPING THE OFFICE OFFICE
- NOTAL IN COOPER WATER SENIOS WITH NET RESIDENCE AT DOWN OR WITH A TOWN OR WITH A TOWN OR WITH A TOWN OR WITH A TOWN OR THE BESIDENCE AND A TOWN OR WITH A TOWN OR THE BESIDENCE WATER OR THE A TOWN OR THE SESSION OF WATER OR THE APPLICATE SESSION OF WATER OR THE APPLICATE SESSION OF WATER OF THE APPLICATE SESSION OF THE A
- 10. INSTALL 4" PVC" SEWER SERVICES @ 1.0% MINIMUM GRADE WITH CLEANOUTS LOCATED AT ROW OR EASEMENT LINE & SPACED EVERY 75 LINEAR FEET MAXIMUM.

- GREASE INTERCEPTOR IO. WATER SEPARATOR SIMM CALCULATIONS & NETRILATION SPECIFICATIONS SHALL BE APPROVED BY THE RW FOO PROGRAM CORRENATOR PRIOR TO ISSUANCE OF A LO AMBIOR BILLIDING PERMIT, CONTACT (\$19):969-1016 OR FOOGBRA
- THE DEVICES SHALL MEET THE AMERICAN SOCIETY OF SAMTARY ENGINEERING (SAAE) STANDARDS AND BE ON THE UNIVERSITY OF SOUTHERN CALFORMA APPROVAL LIST.
- THE DEVICE AND INSTALLATION SHALL MEET THE GUIDELINES OF APPEND A GUIDELINES AND REQUIREMENTS FOR THE CROSS CONNECTION PROGRAM IN RALEIGH'S SERVICE AREA.
- 1. THE DEVICES SHALL BE INSTALLED AND TESTED (BOTH, INITIAL AND PERIODIC TESTING THEREAFTER) IN ACCORDANCE WITH THE AMALICATURES RECOMMENDATIONS OR THE LOCAL CROSS CONNICONTROL PROGRAM, WHICHEVER IS MORE STRINGENT, CONTACT CROSS. CONNICONTROL PROGRAM, WHICHEVER IS MORE STRINGENT, CONTACT PROCESSOR CONNICONTROL PROGRAM (MICHEVER IS MORE STRINGENT, CONTACT PROGRAM (MICHEVER IS MORE) STRING
- 18. NOTICE FOR PROJECTS THAT INVOLVE AN OVERSIZED MAIN OR URBAN MAIN REPLACEMENT, ANY CITY REIMBURSEMENT GREATER THAN \$250,000.00 MUST UNDERGO THE PUBLIC BIDDING PROCESS.



















DATE 02.25,2026
CHECKED BYLAP
DRAWN BYLAP
PROJECT: SANCERPORD STORAGE
SHEETTILE
UTILITY PLAN



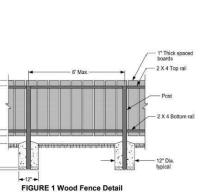










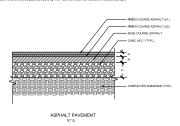


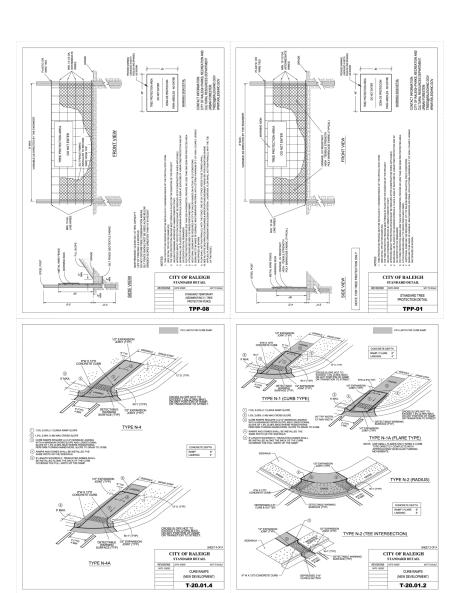
SPHALT	PAVING SCHEDULE	SEE NOTE 2	SEE NOTE		
Туре	Description	(FRAL LEFT) (S9.58)	A2 (S9.50)	B (\$19,05)	C (ABC
AP1	ROADWAY DUTY	-	1.5"	4"	10"
AP2	PARKING STANDARD DUTY	1,5"	1.5"	-	6"
AP3	PARKING HEAVY DUTY	1.6*	1,5"	2.5"	8*
AP4	ASPHALT PATCH (FULL DEPTH)		1,5"	6"	O*

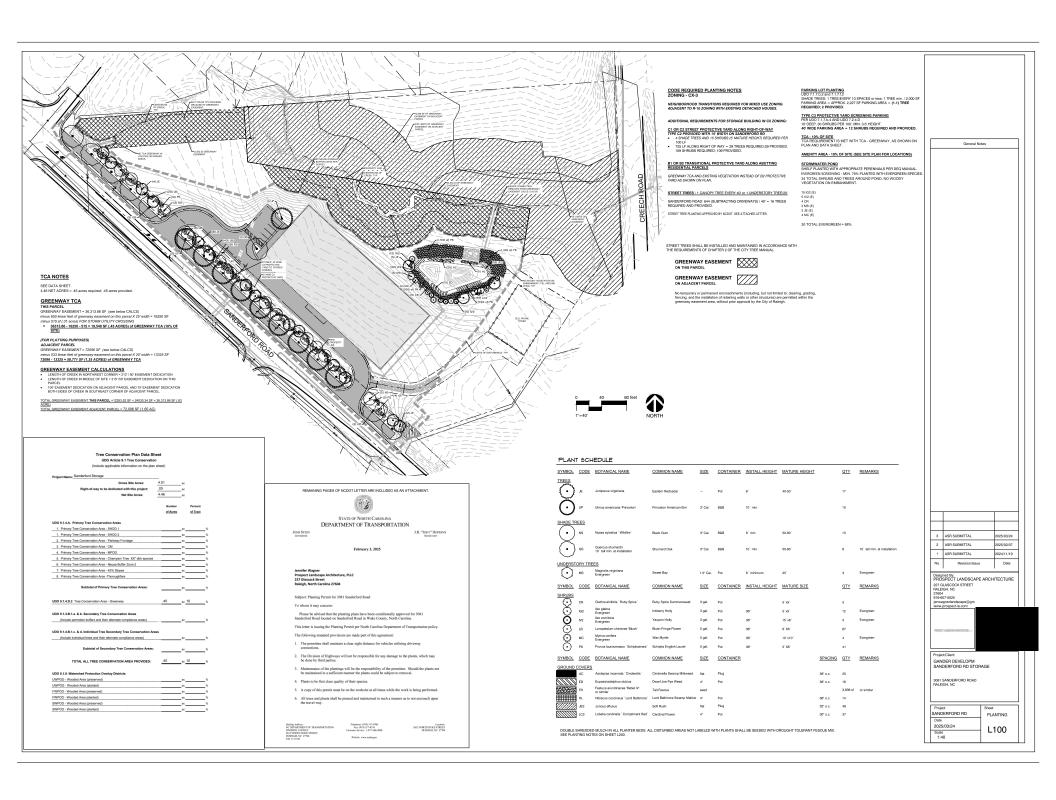
6' Max. 8"

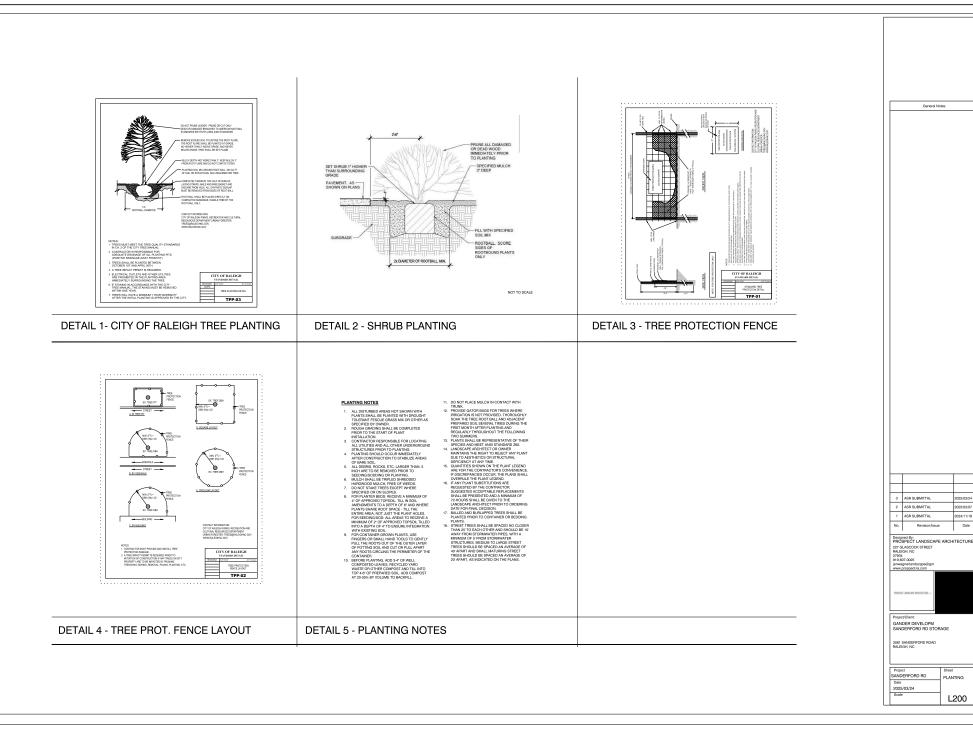
3" Gravel -

WHERE EXISTING ASPHALT MEETS NEW ASPHALT, SAW OUT EXISTING ASPHALT TO PROVIDE A CLEAN EDGE HINALLET OF ASPHALT IN PARKINGLOT BY OTHERS IN LC. CONTRACTOR SHALL INSTALL, FINALLET OF ASPHALT AND TORROWAY CONSTRUCTION







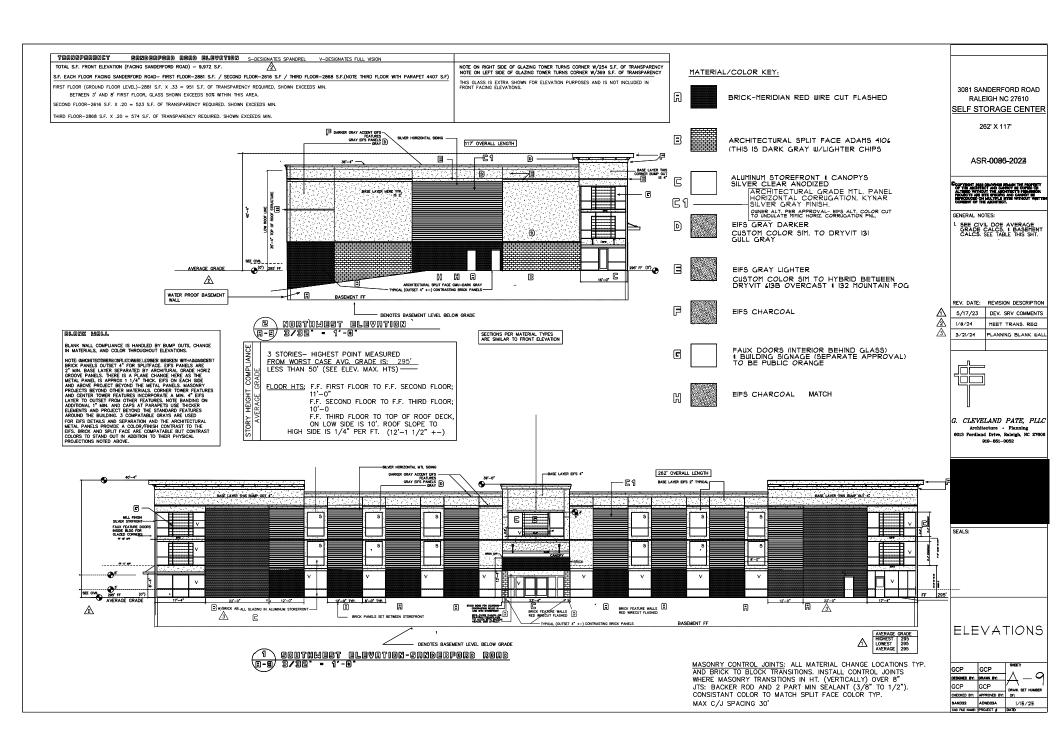


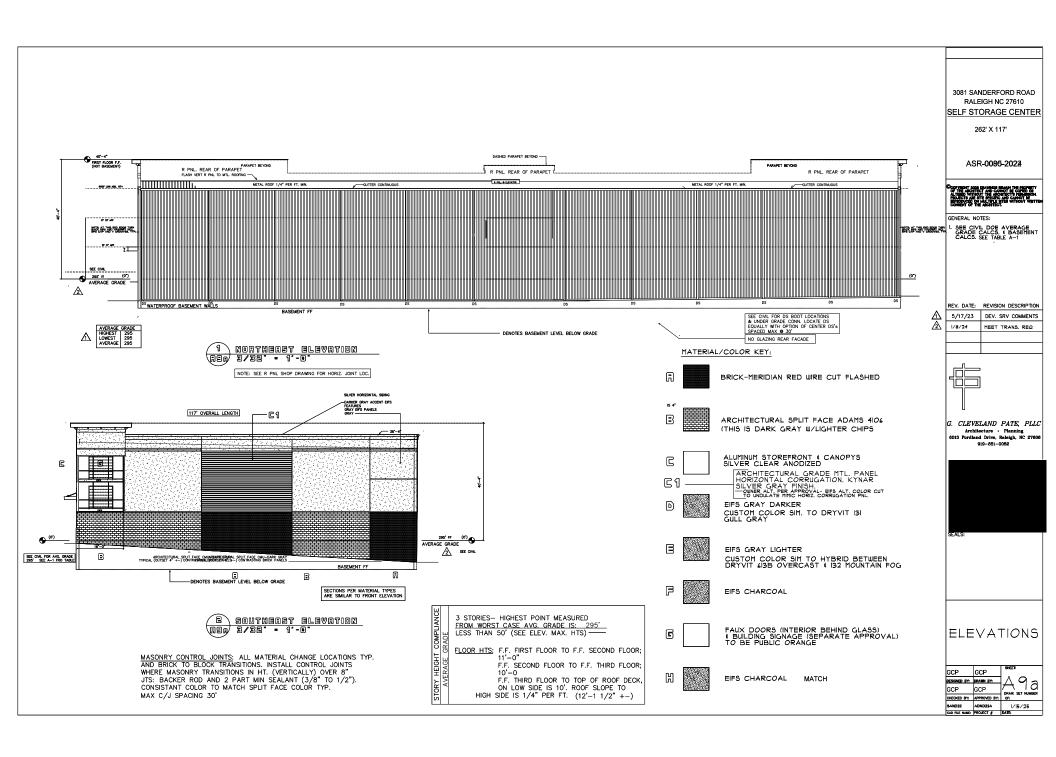
General Notes

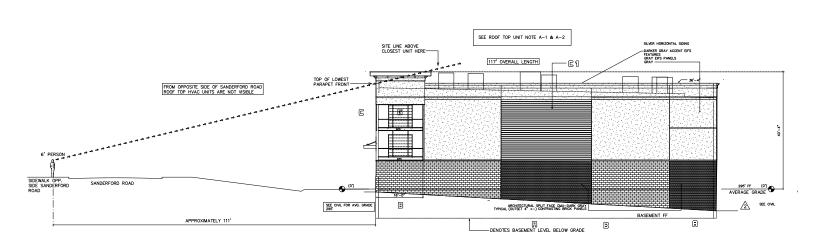
2024/11/19

PLANTING

L200







A9b S/SE" = 1'-0"

3081 SANDERFORD ROAD RALEIGH NC 27610 SELF STORAGE CENTER

262' X 117'

ASR 0080-2022



GENERAL NOTES: . SEE CIVIL DOE AVERAGE GRADE CALCS, & BASEMENT CALCS.

REV. DATE: REVISION DESCRIPTION 5/17/23 DEV. SRV COMMENTS 6/27/23 DEV. SRV. COMMENTS
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G. CLEVELAND PATE, PLLC
Architecture • Planning
6013 Fordland Drive, Raleigh, NC 27606
919-851-0052

SEALS:

FRONT ELEV SITE LINES

GCP	GCP	SHEET:
DESIGNED BY:	DRAWN BY:	1 4 0 1
GCP	GCP	A96
CHECKED BY:	APPROVED BY:	OF:
SAND22	ADND22A	8/1/23
CAD FILE NAME:	PROJECT #	DATE:

- ADMINISTRATIVE: 1. THE FOLLOWING ABBREVIATIONS SHALL APPLY TO NOTES AND PLANS:
- PC PLUMBING CONTRACTOR, EC ELECTRICAL CONTRACTOR
- MC MECHANICAL CONTRACTOR
- GC GENERAL CONTRACTOR, FASC FIRE ALARM SYSTEM CONTRACTOR,
- AHJ AUTHORITY HAVING JURISDICTION
- AND AUTHORIT TAVING JUSTISUICTION
 NECA- NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION
 NEC- NATIONAL ELECTRICAL CODE (2020)
 SBC- CURRENT STATE BUILDING CODE (2018 NORTH CAROLINA STATE
- BUILDING CODE: BUILDING CODE)
- BUILDING CODE: BUILDING CODE: SFC: CURRENT STATE BUILDING CODE: FIRE CODE (2018 NORTH CAROLINA STATE BUILDING CODE: FIRE PREVENTION CODE) "PROVIDE" MEANS TO FURNISH AND INSTALL. THE EC SHALL ALSO
- INSTALL MATERIALS AND FOLIPMENT FURNISHED BY OTHERS AND THE GENERAL CONTRACTOR AS REQUIRED.

 EC SHALL PROVIDE LABOR, MATERIALS, EQUIPMENT, AND SERVICES
- NECESSARY AND REASONABLY INCIDENTAL TO INSURE A COMPLETE AND NECESSARY AND REASONABLY INCIDENTAL TO INSURE A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. MINOR ITEMS, ACCESSORIES, AND DEVICES REASONABLY INFERABLE AS NECESSARY FOR THE COMPLETION AND PROPER OPERATION OF ANY ELECTRICAL SYSTEM SHALL BE PROVIDED
- WORKMANSHIP SHALL BE IN ACCORDANCE WITH NECA 1 "STANDARD PRACTICE FOR GOOD WORKMANSHIP IN ELECTRICAL CONTRACTING.
- 5 ALL MATERIALS AND FOLIPMENT SHALL BE DELIVERED TO THE SITE AND UNLOADED BY THE EC AT AN APPROVED LOCATION. THE EC SHALL PROTECT ALL MATERIALS AND EQUIPMENT FROM BREAKAGE, THEFT, AND THE ELEMENTS ALL MATERIALS AND FOLIPMENT SHALL REMAIN AND THE ELEMENTS. ALL MATERIALS AND EQUIPMENT SHALL REMAIN THE PROPERTY OF THE EC UNTIL THE PROJECT HAS BEEN COMPLETED AND TURNED OVER TO THE OWNER.

 THE EC SHALL OBTAIN AND PAY FOR ALL PERMITS, FEES, AND
- INSPECTIONS NECESSARY FOR THE COMPLETION OF THE WORK UNDER
- DO NOT SCALE THESE DRAWINGS-REFER TO ARCHITECTURAL SHEETS FOR DIMENSIONS.
- 8 TRADE NAMES AND MANUFACTURERS ARE SPECIFIED TO ESTABLISH A QUALITY STANDARD, SUBSTITUTIONS SHALL BE PERMITTED IF APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. ALL LISTED MODEL NUMBERS SHALL BE VERIFIED WITH THE MANUFACTURER FOR
- MODEL NUMBERS SHALL BE VERIFIED WITH THE MANUFACTURER FOR PROPER APPLICATION OF EQUIPMENT. THE EC SHALL VISIT THE SITE PRIOR TO BIDDING TO BECOME FAMILIAR WITH EXISTING CONDITIONS. THE EC SHALL CONTACT THE ENGINEER TO WITE ASSTING CONDITIONS. THE EU SHALL CONTRACT HE ENGINEER IT RESOLVE ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THESE PLANS. THE EC SHALL COORDINATE WITH OTHER TRADES PRIOR TO THE START OF CONSTRUCTION.

 10. GROUNDING AND BONDING SHALL BE PER NEC ARTICLE 250. THE
- RACEWAY SYSTEM SHALL NOT BE RELIED UPON FOR GROUNDING CONTINUITY A GREEN EQUIPMENT GROUNDING CONDUCTOR, SIZED PER NEC TABLE 250-122, SHALL BE RUN IN ALL POWER RACEWAYS. FOR NON-ISOLATED GROUND CIRCUITS PROVIDE ONE FOLIPMENT NON-SOLATED GROUND CIRCUITS PROVIDE ONE EQUIPMENT GROUNDING CONDUCTOR PER CONDUIT RUN. IN ADDITION, PROVIDE ONE EQUIPMENT GROUNDING CONDUCTOR PER CONDUIT RUN. MAIN BONDING JUMPERS AND SYSTEM BONDING JUMPERS SHALL BE BONDING JUMPERS AND 315 IRM BONDING JUMPERS STALL BE INSTALLED IN ACCORDANCE WITH 250.28 OF THE NEC. FOR BUILDINGS OR STRUCTURES SUPPLIED BY FEEDERS OR BRANCH CIRCUITS, GROUNDING AND BONDING SHALL BE IN ACCORDANCE WITH NEC 250.32. SEPARATELY DERIVED AC SYSTEMS SHALL BE GROUNDED IN ACCORDANCE WITH NEC 250.30. RESISTANCE TO GROUND SHALL NOT EXCEED 25 OHMS; ADDITIONAL GROUNDING ELECTRODES SHALL BE INSTALLED PER 250.56 AS NECESSARY.
- 11 ALL MATERIALS AND FOURMENT SHALL COMPLY WITH THE UNDERWRITERS' LABORATORIES, INC. STANDARDS OR HAVE UL APPROVAL, OR BEAR UL RE-EXAMINATION LISTING WHERE SUCH APPROVAL HAS BEEN ESTABLISHED FOR THE TYPE OF DEVICE IN
- 12. CONDUCTORS, FUSES, CIRCUIT BREAKERS, AND DISCONNECT SWITCHES SHOWN ON THESE PLANS HAVE BEEN SIZED FOR THE SPECIFIED EQUIPMENT, BEFORE ORDERING ELECTRICAL EQUIPMENT, THE EC SHALL COORDINATE WITH OTHER CONTRACTORS ON THE SITE AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES SHOULD CONDUCTOR, CIRCUIT BREAKER, OR FUSE SIZES REQUIRE CHANGE.
- 13. THE EC SHALL COORDINATE WITH THE GC TO ENSURE THE FOLLOWING MATERIALS ARE RECYCLED DURING THE CONSTRUCTION PHASE OF THE PROJECT: LIGHT FIXTURES, INCLUDING PROPER DISPOSAL OF BALLASTS FLUORESCENT LIGHT BUILBS, AND TRANSFORMERS, WIRING AND FLUORESCENT LIGHT BULBS, AND TRANSFURMERS, WIRING AND ELECTRICAL EQUIPMENT, AND INSULATION. WASTE MATERIALS CONTAINING LEAD, ASBESTOS, POBS (FLUORESCENT LAMP BALLASTS), OR OTHER HARMFUL SUBSTANCES SHALL BE HANDLED AND DISPOSED OF IN ACCORDANCE WITH FEDERAL AND STATE LAWS AND REQUIREMENTS CONCERNING HAZARDOUS WASTE.

 14. ALL WORK SHALL CONFORM TO NEC, SBC, AND ALL APPLICABLE LOCAL
- 15 THE EC SHALL ALSO COORDINATE WITH THE GC REGARDING THE BONDING OF THE FOOTING REBAR, SO THAT IT WILL BE IN PLACE AND READY AT TIME OF FOOTING INSPECTION.

- METHODS:

 1. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE MINIMUM #12 AWG IN 3/4 in CONDUIT. EACH MULTI-WIRE BRANCH CIRCUIT SHALL BE PROVIDED WITH CONDUCTORS AT THE SOURCE PER NEC 210.4(B). GROUP ALL CONDUCTORS OF EACH MULTI-WIRE BRANCH CIRCUIT PER 210.4(D) WITH WIRE TIES OR SIMILAR MEANS. DO NOT EXCEED THREE HOMERUNS PER CONDUIT. DO NOT INSTALL ISOLATED GROUND AND NON-ISOLATED GROUND CIRCUITS IN THE SAME CONDUIT. INSTALL CONDUCTORS OF DIFFERENT VOLTAGES IN SEPARATE CONDUITS.
- EC SHALL PROVIDE FIRE-STOPPING AT ALL FLECTRICAL PENETRATIONS EG SHALL PROVIDE FIRE-STOPPING AT ALL ELECTRICAL PENETRATIONS OF RATED FLOORS AND WALLS TO PRESERVE OR RESTORE THE FIRE-RESISTANCE RATING. SEAL PENETRATIONS USING A UL LISTED SYSTEM FOUND IN THE UL DIRECTORY SPECIFIC TO THE UL LISTING OF THE ASSEMBLY BEING PENETRATED, SEE ARCHITECTURAL PLANS FOR
- UL RATED ASSEMBLIES SPECIFIC TO THIS PROJECT.
 CONCEAL ALL CONDUIT EXCEPT IN MECHANICAL ROOMS OR UNFINISHED AREAS AS NOTED. USE EMT CONDUIT FOR ALL BRANCH CIRCUITS INSIDE THE BUILDING SCHEDULE 40 PVC CONDUIT MAY BE USED FOR THE UNDERGROUND BRANCH AND FEEDER CIRCUITS UNDER SLAB OR EXTERIOR TO THE BUILDING. EXPOSED EXTERIOR CONDUIT SHALL BE SCHEDULE 80 PVC. ALL UNDERGROUND RACEWAYS SHALL BE IDENTIFIED SCHEDULE BY DYC. ALL UNDERGROUND RACEWAYS SHALL BE IDENTIFIED
 WITH UNDERGROUND LINE MARKING TAPE 6-8 IN BELOW GRADE
 DIRECTLY ABOVE THE RACEWAY, PROVIDE PULL WIRE IN EMPTY
 CONDUITS. UPSIZE CONDUIT FROM MINIMUM SIZE AS NECESSARY FOR LONGER PULLS. RACEWAYS THAT PENETRATE EXTERIOR WALLS OF INTERIOR PARTITIONS SEPARATING SPACES THAT WILL BE AT SIGNIFICANTLY DIFFERENT TEMPERATURES SHALL BE SEALED IN ACCORDANCE WITH ARTICLES 300.5(G), 300.7(A), AND 300.50(F) OF THE NEC ROLLTE CONDUIT IN AND LINDER SLAB FROM POINT-TO-POINT COMPLETELY AND THOROUGHLY SWAB ALL RACEWAYS BEFORE INSTALLING WIRE. PULL ALL CONDUCTORS INTO EACH RACEWAY AT ONE TIME LISE A SUITABLE WIRE PULLING LUBRICANT FOR BUILDING WIRE #4 AWG AND LARGER
- THE EC SHALL PROVIDE ALL OUTLET, PULL BOXES, FITTINGS, AND SUPPORTS. ALL JUNCTION BOXES SHALL BE GALVANIZED STEEL TYPE BY APPLETON STEEL CITY, OR RACO, EXTERIOR BOXES SHALL BE TYPE ES VAPORTITE BOXES SHALL BE TYPE GS. WHERE SURFACE MOUNTED BOXES ARE USED, THOSE BOXES AND THEIR FACEPLATES SHALL HAVE ROUNDED CORNERS, BOXES INSTALLED IN FLOORS SHALL BE RATED FOR THE APPLICATION. MOUNT JUNCTION AND OUTLET BOXES FLUSH WITH FINISH SURFACES UNLESS OTHERWISE NOTED. ALL JUNCTION BOXES SHALL HAVE A COVER PLATE, PROVIDED BY THE EC. BOXES IN RATED WALLS SHALL BE INSTALLED IN ACCORDANCE WITH SBC 714.3.2 (MAXIMUM BOX SIZE IS 16 SQUARE IN AND MAXIMUM OF SIX (6) BOXES PER 100 SQUARE FEET). INSTALL BOXES IN RATED WALLS SUCH THAT OPENINGS OCCUR IN ONE SIDE ONLY WITHIN ANY GIVEN STUD SPACE OPENINGS OCCUR IN ONE SIDE ONLY WITHIN MAY GIVEN STUD SPACE.

 ALL CLEARANCES BETWEEN THE BOX AND THE GYPSUM BOARD SHALL

 BE FILLED WITH JOINT COMPOUND OR OTHER APPROVED FIRE STOP

 MATERIAL. FLUSH MOUNTED JUNCTION BOXES IN ADJACENT ROOMS SHALL NOT BE MOUNTED BACK-TO-BACK, SURFACE MOUNTED FIXTURES SHALL BE FED THROUGH FLUSH MOUNTED 4X4 OCTAGONAL OR SQUARE
- ALL CONDUIT, BOXES, AND ELECTRICAL EQUIPMENT SHALL BE FIRMLY AND SECURELY EASTENED TO OR SUPPORTED FROM THE BUILDING STRUCTURAL MEMBERS OR EMBEDDED IN CONCRETE OR MASONRY ELECTRICAL SUPPORTS SHALL NOT BE ATTACHED TO DUCTWORK, PIPING OR THEIR SUPPORTS. HANGERS SHALL BE CATALOG ITEMS PIPING, OR THEIR SUPPORTS I RANGERS SPALL BE CATALOG TEMS COMPATIBLE WITH AND SUITABLE FOR THE INTENDED USE, FOR METAL ROOF DECK INSTALLATIONS, 1 In EMT CONDUIT MAXIMUM AND 4 IN JUNCTION BOXES MAXIMUM MAY BE SUPPORTED BY DECKING. THE SUSPENDED CEILING SYSTEM SHALL NOT BE USED FOR THE SUPPORT OF ELECTRICAL RACEWAY SYSTEMS OR SUPPORT OF COMMUNICATIONS OR DATA SYSTEMS WIRING, CONTRACTOR SHALL COMPLY WITH 1613 OF THE SBC
- COLOR CODE CONDUCTORS PER NEC. FEEDERS SHALL BE IDENTIFIED IN ACCORDANCE WITH NEC 215.12. USE BLACK AND REL FOR PHASES A AND B RESPECTIVELY ON 120/240 VOLT SINGLE-PHASE SYSTEMS AND WHITE FOR THE NEUTRAL LISE BLACK RED, AND BLUE FOR PHASES A B, AND C FOR THE NEUTRAL. USE BLAUS, RED, AND BLUE FOR PHASES A, B, AND C RESPECTIVELY ON 208Y/120 VOLT THREE-PHASE Y SYSTEMS AND WHITE FOR THE NEUTRAL. ISOLATED GROUND WIRES SHALL BE GREEN WITH YELLOW BANDS OR STRIPES. USE BROWN, ORANGE, AND YELLOW FOR PHASES A. B. AND C RESPECTIVELY FOR 480Y/277 VOLT THREE-PHASE Y SYSTEMS AND GRAY FOR THE NEUTRAL. ON 4 WIRE DELTA CONNECTED SYSTEMS WHERE THE MIDPOINT OF ONE PHASE WINDING IS GROUNDED, THE PHASE CONDUCTOR HAVING THE HIGHER PHASE TO GROUND VOLTAGE SHALL BE PERMANENTLY IDENTIFIED WITH AN OLITER FINISH THAT IS ORANGE IN COLOR; THIS IDENTIFICATION SHALL BE MADE AT EACH POINT WHERE A CONNECTION IS MADE. COLORS SHALL BE FACTORY APPLIED FOR CONDUCTORS #6 AWG AND SMALLER, ALL FACTORY APPLIED FOR CONDUCTORS #6 AWG AND SMALLER, ALL EQUIPMENT GROUNDING CONDUCTORS SHALL BE GREEN IN COLOR AND MINIMUM #12 AWG. THE EC SHALL PROVIDE PLENUM RATED CABLE FOR ANY ELECTRICAL, OR OTHER CABLE THAT ENTERS CEILING RETURN PLENUMS.
- ABANDONED CONDUIT AND BOXES SHALL HAVE ALL ELECTRICAL WIRING REMOVED COMPLETELY AND NOT JUST "MADE SAFE." CONDUIT AND BOXES SHALL BE REMOVED WHERE PRACTICAL WITHOUT CREATING ADDITIONAL DEMOLITION/RESTITUTION WORK FOR OTHER TRADES WHERE CONDUCTORS ARE RUN IN PARALLEL, THE EC SHALL COMPLY

- MATERIALS:

 1. DAYLIGHT SENSORS SHALL BE BY WATTSTOPPER, LUTRON, LEVITON, SESOR SWITCH, HUBBELL, OR APPROVED EQUAL.

 SESOR SWITCH, HUBBELL, OR APPROVED EQUAL.
- CIRCUIT BREAKERS SHALL BE MOLDED-CASE. THERMAL MAGNETIC TYPE WITH QUICK-MAKE, QUICK-BREAK MECHANISM, COMMON TRIP ON MULTI-POLE BREAKERS, AND UL LISTED FOR BOTH COPPER AND ALUMINUM CONDUCTORS. CIRCUIT BREAKERS IN PANELS SHALL BE SERIES RATED WITH THE MAIN BREAKER FULLY RATED FOR THE SYSTEM, OR SERIES RATED WITH THE BREAKER FEEDING THE PANEL
- FROM THE FACTORY.
 ALL WIRE, CONNECTORS, TERMINALS, AND LUGS SHALL BE PROVIDED BY ALL WIKE, CONNECTORS, TERMINALS, AND LUGS SHALL BE PROVIDED THE EC, WHERE CONDUCTORS ARE RUN IN PARALLEL, LUGS SHALL BE LISTED FOR PARALLEL CONDUCTORS. PUSH WIRE CONNECTORS ARE NOT ALLOWED FOR BUILDING WIRE. PUSH CONNECTORS ARE ONLY ALLOWED, WHEN APPROVED, AS PART OF MANUFACTURED LISTED PRODUCTS. ALL WIRE SHALL BE INSTALLED IN CONDUIT UNLESS SPECIFICALLY NOTED OTHERWISE.
 THE INSULATION TYPE FOR INTERIOR WIRING SHALL BE DUAL RATED
- THEN THEN OR YELLWIS ALL WIRING INSTALLED BELOW GRADE OR IN MOIST OR WET LOCATIONS SHALL HAVE TYPE THWN OR XHHW
 INSULATION. INSULATION VOLTAGE RATING SHALL BE 600 VOLTS AND A MINIMUM TEMPERATURE RATING OF 75°C CONDUCTORS SHALL BE SOLID MINIMUM TEMPERATURE RATING 0° 76°C. CONDUCTIONS SHALL BE SOLID OR STRANDED COPPER FOR #10 AWG AND #12 AWG, AND STRANDED COPPER FOR #8 AWG AND LARGER SIZES. ALL WIRING AND CABLE SHALL BE UL LISTED. ALL TERMINATIONS AND DEVICES SHALL BE RATED FOR USE WITH 75°C CONDUCTORS. FINAL CONNECTIONS TO ALL MOTORS AND EQUIPMENT SUBJECT TO VIBRATION OR MOVEMENT SHALL BE MADE WITH STRANDED COPPER CONDUCTORS, CONDUCTORS SHALL BE BY CERRO WIRE, INC. INDUSTRIAL WIRE & CABLE, INC. ENCORE WIRE CORPORATION OR SOLITHWIRE COMPANY
- CORPORATION, OR SOUTHWIRE COMPANY.
 JOINTS IN SOLID CONDUCTORS SHALL BE SPLICED USING IDEAL "WIRE
 NUTS", 3M "SCOTCH LOCK", OR T&B "PIGGY" CONNECTORS IN JUNCTION
 BOXES, OUTLET BOXES, AND LIGHTING FIXTURES. JOINTS IN STRANDED BOXES, OUTLET BOXES, AND LIGHT ING FIX TORES, JOINTS IN STRANDED CONDUCTORS SHALL BE SPLICED BY APPROVED MECHANICAL CONNECTORS AND GUM RUBBER TAPE OR FRICTION TAPE. SOLDERLESS MECHANICAL CONNECTORS FOR SPLICES AND TAPS, PROVIDED WITH UL APPROVED INSULATING COVERS, MAY BE USED INSTEAD OF MECHANICAL CONNECTORS PLUS TAPE. IN ALL CASES, CONDUCTORS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET AND NO SPLICING SHALL BE MADE EXCEPT WITHIN OUTLET OR JUNCTION BOXES, TROUGHS, OR GUTTERS. WHERE CONCENTRIC, ECCENTRIC, OR OVERSIZED KNOCKOUTS ARE ENCOUNTERED, A GROUNDING TYPE INSULATED BUSHING SHALL BE PROVIDED.
- ALL LUMINAIRES SHALL BE LISTED LUMINAIRES IN WET OR DAMP ALL LOMINAIRES SHALL BE LISTED. LUMINAIRES IN WET OR DAMP LOCATIONS SHALL BE MARKED AS SUITABLE FOR THE RESPECTIVE USE. EMERGENCY LIGHTING SHALL BE INSTALLED AS SHOWN. ALL CONDUIT, FITTINGS, COUPLINGS, AND SUPPORTS SHALL BE
- ALL CONDUIT, FITTINGS, COUPLINGS, AND SAPPORTS SHALL BE PROVIDED BY THE EC. CONDUIT FITTINGS AND POURINGS SHALL BE BY APPLETON, RACO, OR O-Z/GEDNEY. COUPLINGS SHALL BE THREADED, SET-SCREW, OR COMPRESSION TYPE. INDENTER OR CRIMP TYPE ARE NOT PERMITTED. CONDUIT FITTINGS AT ALL ELECTRICAL BOXES INCLUDING PULL, AND JUNCTION, SHALL HAVE INSULATED THROATS TO PREVENT INSULATION SCORING. DIE CAST FITTINGS ARE NOT PERMITTED EMT SHALL BE MANUFACTURED IN ACCORDANCE WITH AMERICAN
- NATIONAL STANDARDS INSTITUTE-AMERICAN NATIONAL STANDARD FOR STEEL ELECTRICAL METALLIC TUBING (EMT), ANSI C80.3 AND UL 797.
 RIGID METAL CONDUIT SHALL BE MANUFACTURED IN ACCORDANCE WITH ANSI-AMERICAN NATIONAL STANDARD FOR ELECTRICAL RIGID STEEL AND AMERICAN NATIONAL STANDARD FOR ELECTRICAL RIGID STEEL CONDUIT (RESC), ANS (6.01 AND UL 6. INTERMEDIATE METAL CONDUIT SHALL BE MANUFACTURED IN ACCORDANCE WITH ANSI-AMERICAN NATIONAL STANDARD FOR INTERMEDIATE METAL CONDUIT ANSI C80.6 AND UL 1242.
- AND UL 1242.
 METAL CONDUIT SHALL BE BY ALLIED TUBING & CONDUIT, BECK
 MANUFACTURING, INC, OR WHEATLAND TUBE COMPANY. FLEXIBLE
 METAL CONDUIT, LIQUID-TIGHT FLEXIBLE METAL CONDUIT, AND NONMETALLIC CONDUIT SHALL BE BY AFC CABLE SYSTEMS, INC. ELECTRI-FLEX COMPANY, OR INTERNATIONAL METAL HOSE

Kilian Engineering, Inc.



SANDERFORD STORAGE

SITE LIGHTING



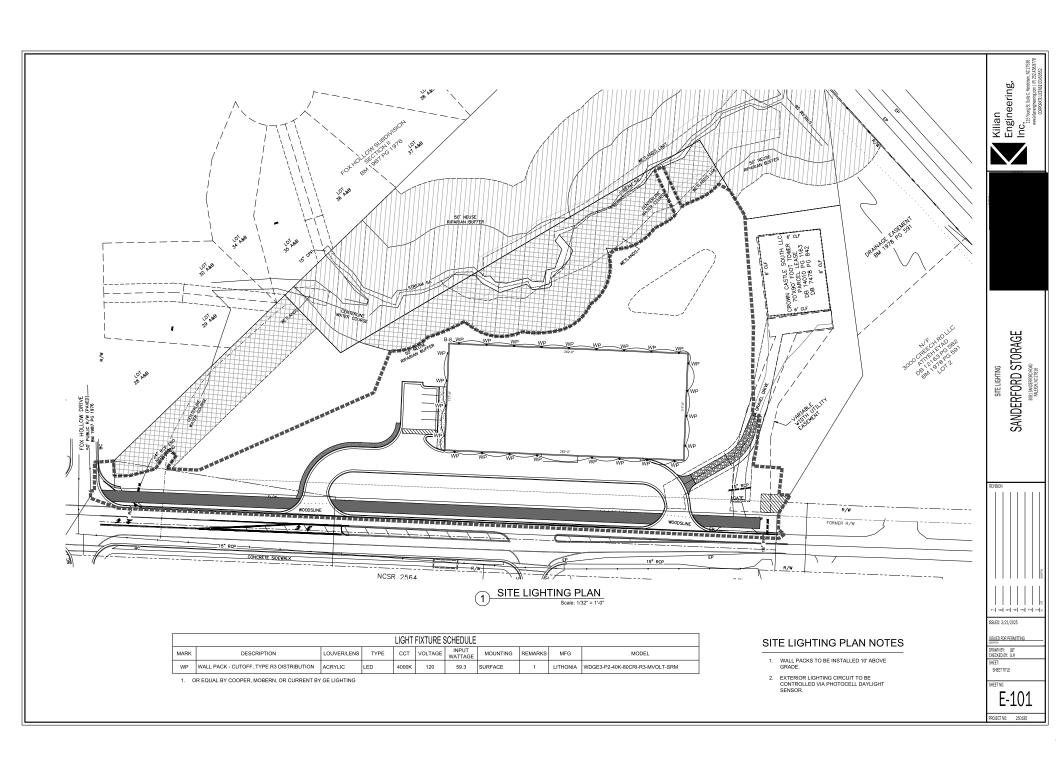
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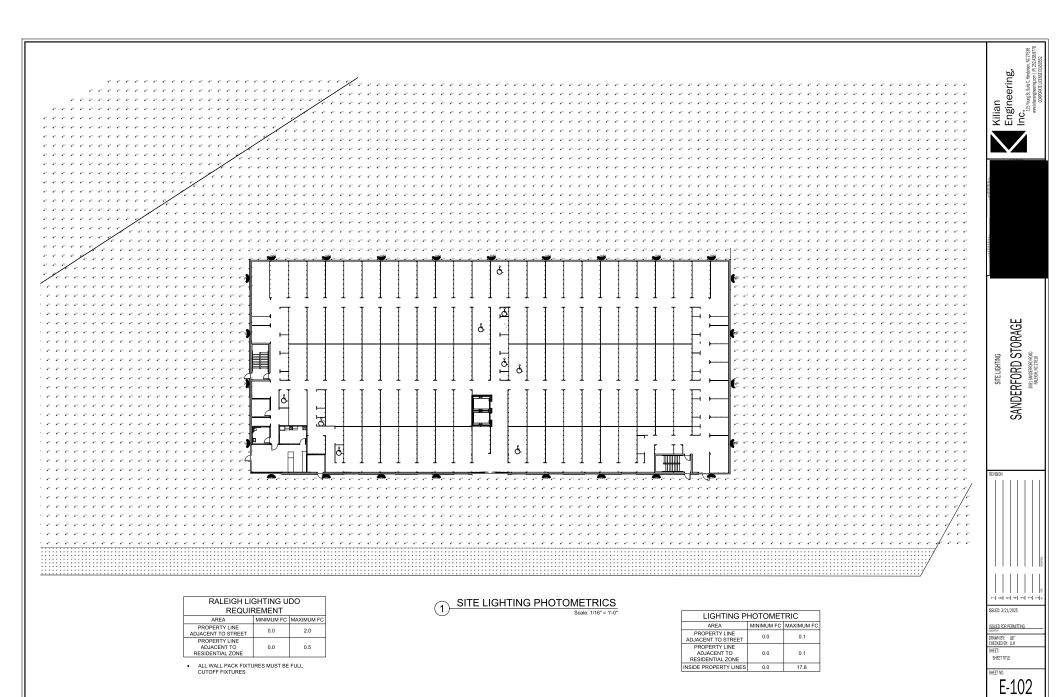
SUED FOR PERMITTING

HECKED BY: JLH SHEET TITLE

E-001

ROJECT NO:



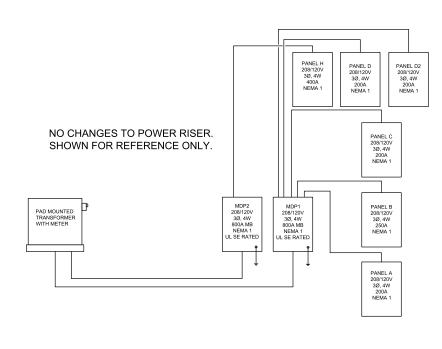


NO CHANGES TO PANEL B. SHOWN FOR REFERENCE ONLY.

			PA	NE	LВ				
СКТ	LOAD	BKR	LOAD kVA	PH	LOAD kVA	BKR	LOAD	скт	
1	INTERIOR/OFFICE LIGHTING	20/1	2.50	Α	0.00	20/1	SPARE	2	
3	HALL RECEPT	20/1	1.08	В	1.08	20/1	HALL RECEPT	4	
5	HALL/BREAKROOM RECEPT	20/1	1.08	С	1.08	20/1	OFFICE RECEPT	6	
7	WH-1	20/1	2.00	Α	1.85	20/1	EXTERIOR LIGHTING	8	
9	REFRIGERATOR RECEPT	20/1	1.00	В	0.18	20/1	SERVICE RECEPT	10	
11	SERVICE RECEPT	20/1	0.90	С	2.10	20/1	INTERIOR LIGHTING	12	
13	ADA UNIT POWER	20/1	1.00	Α	0.94	15/2	MS-1	14	
15	ADA UNIT POWER	20/1	1.50	В	0.94	13/2	IWIS-1	16	
17	ADA UNIT POWER	20/1	1.50	С	0.88	20/1	DH-6	18	
19	SPACE	-	0.00	Α	0.00	20/1	SPARE	20	
21	AUTOMATIC DOOR	20/1	0.50	В	1.08	20/1	FAN RECEPTS	22	
23	DH-8	20/1	0.64	С	0.88	20/1	DH-7	24	
25	SPACE	-	0.00	Α	0.00	20/1	SPARE	26	
27	DH-9	20/1	0.64	В	0.88	20/1	DH-11	28	
29	SPACE	-	0.00	С	0.00	20/1	SPARE	30	
31	AH-6	25/2	2.60	Α	2.60	25/2	AH-9	32	
33	An-o	20/2	2.60	В	2.60			34	
35	AH-7	25/2	2.60	С	2.60	25/2	AH-11	36	
37	An-7	25/2	2.60	Α	2.60	25/2	AH-111	38	
39	AH-8	25/2	2.60	В	0.00	20/1	SPARE	40	
41	An-o	23/2	2.60	С	0.00	20/1	SPARE	42	
			kVA	PH	AMPS				
			18.7	Α	156				
			16.7	В	139				
			16.9	С	141				
	vo		/PHASE		208Y/12	0V,3P,4	IW .		
BUS RATING					200 A				
	MAIN CIRCUIT BRE				MLO				
			RATING		22K				
	SERVICE ENT				NO				
<u> </u>	ENCLOSURE					NEMA 1 SURFACE			
	MOUNTING)E			

BREAKER IN REFERENCE. LOAD SHOWN AS CONTINUOUS LOAD AT 125%.

1 PANEL SCHEDULE
No Scale



POWER RISER

Kilian
Engineering,
Inc.
115 tought State Leadons, Nr. 2735
No. 115 tought State Leadons, Nr. 2735
Opposite Library State State State
Opposite Library Excellence SANDERFORD STORAGE SITELIGHTING

> ISSUED FOR PERMITTING ISSUED FOR PERMITTING DRAWN BY: JBT CHECKED BY: JLH SHEET: SHEET TITLE

> > E-300