

ADDITION to MOORES GLASS

CODE REVIEW

THE ENGINEERS HAVE PLACED THE CODE DATA RELEVANT TO THEIR DISCIPLINE ON THEIR RESPECTIVE SHEETS.

2012 APPENDIX B
BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(REPRODUCE THE FOLLOWING DATA ON THE BUILDING PLANS SHEET 1 OR 2)

NAME OF PROJECT: MOORES GLASS

ADDRESS: 1115 SOUTH SOUTH 3rd STREET, WILMINGTON, NC ZIP CODE: 28405

PROPOSED USE: GLASS COMPANY

OWNER: JOHN MOORE CONTACT: MARK GRENNELL, ARCHITECT PHONE # (910) 233-1061 E-MAIL: mg.architect@outlook.com

OWNED BY: CITY/COUNTY PRIVATE STATE

CODE ENFORCEMENT JURISDICTION: CITY: COUNTY: NEW HANOVER STATE: N.C.

DESIGNER FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
MARK GRENNELL, ARCHITECT	MARK GRENNELL	7438	910-233-1061	mg.architect@gmail.com
Walton Engineering	Mark Walton	16379	910-259-4800	

2012 EDITION OF NC CODE FOR: NEW CONSTRUCTION ADDITION UPFIT REPAIR RENOVATION
 EXISTING RECONSTRUCTION ALTERATION

CONSTRUCTED: 1997 RENOVATED: N/A

ORIGINAL USE(S) (CH. 3): N/A

CURRENT USE(S) (CH. 3): N/A

PROPOSED USE(S) (CH. 3): BUSINESS, WAREHOUSE

CONSTRUCTION TYPE:	I-A	I-B	II-A	II-B	III-A	III-B	IV	V-A	V-B
(CHECK ALL THAT APPLY)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

SPRINKLERS: NO PARTIAL YES NFPA 13 NFPA 13R NFPA 13D

STANDPICES: NO YES CLASS: I II III WET DRY

FIRE DISTRICT: NO YES (PRIMARY)

FLOOD HAZARD AREA: NO YES

BUILDING HEIGHT: (FEET) 20

GROSS BUILDING AREA:	FLOOR:	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL	RENOVATED (SQ FT)	UPFIT (SQ FT)
2nd FLOOR	MEZZANINE					
	GROUND FLOOR	5,000 SF	1,000 SF			
TOTAL			6,000 SF			

ALLOWABLE AREA OCCUPANCY:	A-1	A-2	A-3	A-4	A-5
ASSEMBLY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BUSINESS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EDUCATIONAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FACTORY	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HAZARDOUS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
INSTITUTIONAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MERCANTILE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RESIDENTIAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
STORAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
UTILITY AND MISCELLANEOUS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ACCESSORY OCCUPANCIES:	A-1	A-2	A-3	A-4	A-5
ASSEMBLY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BUSINESS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EDUCATIONAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FACTORY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HAZARDOUS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
INSTITUTIONAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MERCANTILE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RESIDENTIAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
STORAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
UTILITY AND MISCELLANEOUS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

INCIDENTAL USES (TABLE 508.2.5):

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 I-3 CELLS EQUIPPED WITH PADDED SURFACES

GROUP I-2 WASH AND LINEN COLLECTION ROOMS

WASTE AND LINEN COLLECTION ROOMS OVER 100 SQUARE FEET

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 I-2 STORAGE ROOMS OVER 100 SQUARE FEET

GROUP I-2 COMMERCIAL KITCHENS

GROUP I-2 LAUNDRIES EQUAL TO OR LESS THAN 100 SQUARE FEET

GROUP I-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 NON-SEPARATED USE (SEE EXCEPTIONS).

NON-SEPARATED USE (508.3)
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 (508.4) - 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.

STORY NO.	DESCRIPTION AND USE	BLDG AREA PER STORY (ACTUAL)	TABLE 503 (5) AREA	AREA FOR FRONTAGE INCREASE (1)	AREA FOR SPRINKLER INCREASE (2)	ALLOWABLE AREA OR UNLIMITED (3)	MAXIMUM BUILDING AREA (4)
1	LJM FASHION & FURNISHING (M)	2,000 SF	9,000.0 SF	NOT USED	NOT USED	9,000.0 SF	
1	AGAPE - HOUSE OF LOVE (A-3)	1,000 SF	6,000.0 SF	NOT USED	NOT USED	6,000.0 SF	
1	MOORES GLASS (B)	530.0 SF	9,000.0 SF	NOT USED	NOT USED	9,000.0 SF	
1	MOORES GLASS (F2 WAREHOUSE)	1,470 SF	13,000.0 SF	NOT USED	NOT USED	13,000.0 SF	

SUMMARY: THE BUILDING IS SINGLE STORY, CONSTRUCTION TYPE IS V-B. THE ENTIRE BUILDING AREA, INCLUDING THE ADDITION, IS 6,000 SF. THIS EQUALS WHAT'S PERMITTED FOR THE MOST RESTRICTIVE USE (6,000 SF).

(1) FRONTAGE AREA INCREASES FROM SECTION 508.2 ARE COMPUTED THUS:

A PERIMETER WHICH FRONTS A PUBLIC WAY OR OPEN SPACE HAVING 20 FEET MINIMUM WIDTH = _____ (F)

A TOTAL BUILDING PERIMETER = _____ (P)

C. RATIO (F/P) = _____ (F/P)

D. W = MINIMUM WIDTH OF PUBLIC WAY = _____ (W)

E. PERCENT OF FRONTAGE INCREASE IF = 100 [(F/P - 0.25) X W/30] = _____ (%)

(2) THE SPRINKLER INCREASE PER SECTION 506.3 IS AS FOLLOWS:

A. MULTI-STORY BUILDING IS = 200 PERCENT

B. SINGLE STORY BUILDING IS = 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	ALLOWABLE (TABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
TYPE OF CONSTRUCTION	TYPE: V-B	NOT USED	TYPE: V-B	
BUILDING HEIGHT IN FEET	40 FT	FEET = H + 20"	20 FT	
BUILDING HEIGHT IN STORIES	1	STORIES + 1 =	1	

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			0				
BEARING WALLS EXTERIOR	>10'	0					
NONBEARING WALLS AND PARTITIONS EXTERIOR WALLS	>10'	0					
FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS		0					
ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS		0					
SHAFT ENCLOSURES - EXIT		NA					
SHAFT ENCLOSURES - OTHER		NA					
CORRIDOR SEPARATION		NA					
OCCUPANCY SEPARATION		NA					
PARTY/FIRE WALL SEPARATION		NA					
SMOKE BARRIER SEPARATION		NA					
TENANT SEPARATION		NA					
INCIDENTAL USE SEPARATION		NA					

* INDICATE SECTION NUMBER PERMITTING REDUCTION

LIFE SAFETY SYSTEM REQUIREMENTS

EMERGENCY LIGHTING: NO YES

EXIT SIGNS: NO YES

FIRE ALARM: NO YES

SMOKE DETECTION SYSTEMS: NO YES

PANIC HARDWARE: NO YES

ACCESSIBLE PARKING (SECTION 1106)	LOT OR PARKING AREA	TOTAL # OF PARKING SPACES REQUIRED	# OF ACCESSIBLE SPACES PROVIDED	TOTAL # ACCESSIBLE PROVIDED
(M)	1/400 SF = 5	5	1	1
(A-3)	50 SEATS/4 = 13	13	1	1
(F-2)	1/1500 = 2	2	1	1
TOTAL (INCLUDES ACCESSIBLE SPACES) =		21		

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)	WATERCLOSETS	URINALS	LAVATORIES	SHOWERS & TUBS	MOP SINK	DRINKING FOUNTAINS
SPACE	MALE/FEMALE	MALE/FEMALE/UNISEX	MALE/FEMALE/UNISEX			REGULAR/ACCESSIBLE
F-2	5 M, 5 F	1	1	1		

NOTE: PER 2902.2 EXCEPTION (2) SEPARATE FACILITIES ARE NOT REQUIRED FOR MALE AND FEMALE WITH A TOTAL OCCUPANT LOAD OF 25 OR LESS

3 PRESCRIPTIVE WALL U-FACTOR

NO SCALE

WALL ASSEMBLY:

MATERIAL	R-VALUE
EXTERIOR AIR FILM	0.17
METAL SIDING	0.0
R-13 BATT INSULATION	13.0
INSIDE AIR FILM	0.68

TOTAL R VALUE: 13.85
U VALUE OF WALL ASSEMBLY: 0.072
REQUIRED U-FACTOR: 0.094

THIS IS ACCEPTABLE BECAUSE IT IS LESS THAN THE REQUIRED U VALUE OF 0.094 PER TABLE 502.1.2 FOR ZONE 3

NOTE: OTHER ASSEMBLIES MAY BE CONSIDERED IF THE PROVIDER CAN PROVE THAT THEY COMPLY WITH THE 2012 NC ENERGY CONSERVATION CODE AS AMENDED 2012-2016.

4 PRESCRIPTIVE ROOF U-FACTOR

NO SCALE

ROOFASSEMBLY:

MATERIAL	R-VALUE
EXTERIOR AIR FILM	0.17
METAL ROOFING	0.00
METAL FRAMING	0.00
R-25 INSULATION	25.0
INSIDE AIR FILM	0.68

TOTAL R VALUE: 25.85
U VALUE OF ROOF ASSEMBLY: 0.038
REQUIRED U-FACTOR: 0.041

THIS IS ACCEPTABLE BECAUSE IT IS LESS THAN THE REQUIRED U VALUE OF 0.041 PER TABLE 502.1.2 FOR ZONE 3

NOTE: OTHER ASSEMBLIES MAY BE CONSIDERED IF THE PROVIDER CAN PROVE THAT THEY COMPLY WITH THE 2012 NC ENERGY CONSERVATION CODE AS AMENDED 2012-2016.

2 OCCUPANT LOAD

1"=20'

EGRESS CAPACITY

- F-2 Warehouse: 2470 SF gross / 300 = 8.2 Occupants
- A-3 Concentrated (chains only-not fixed): 1,000 SF net / 7 = 143 Occupants
- MERCANTILE: 2,000 SF gross / 30 = 67 Occupants
- B: 530 SF gross / 100 = 26.0 Occupants

Plan Review Type:

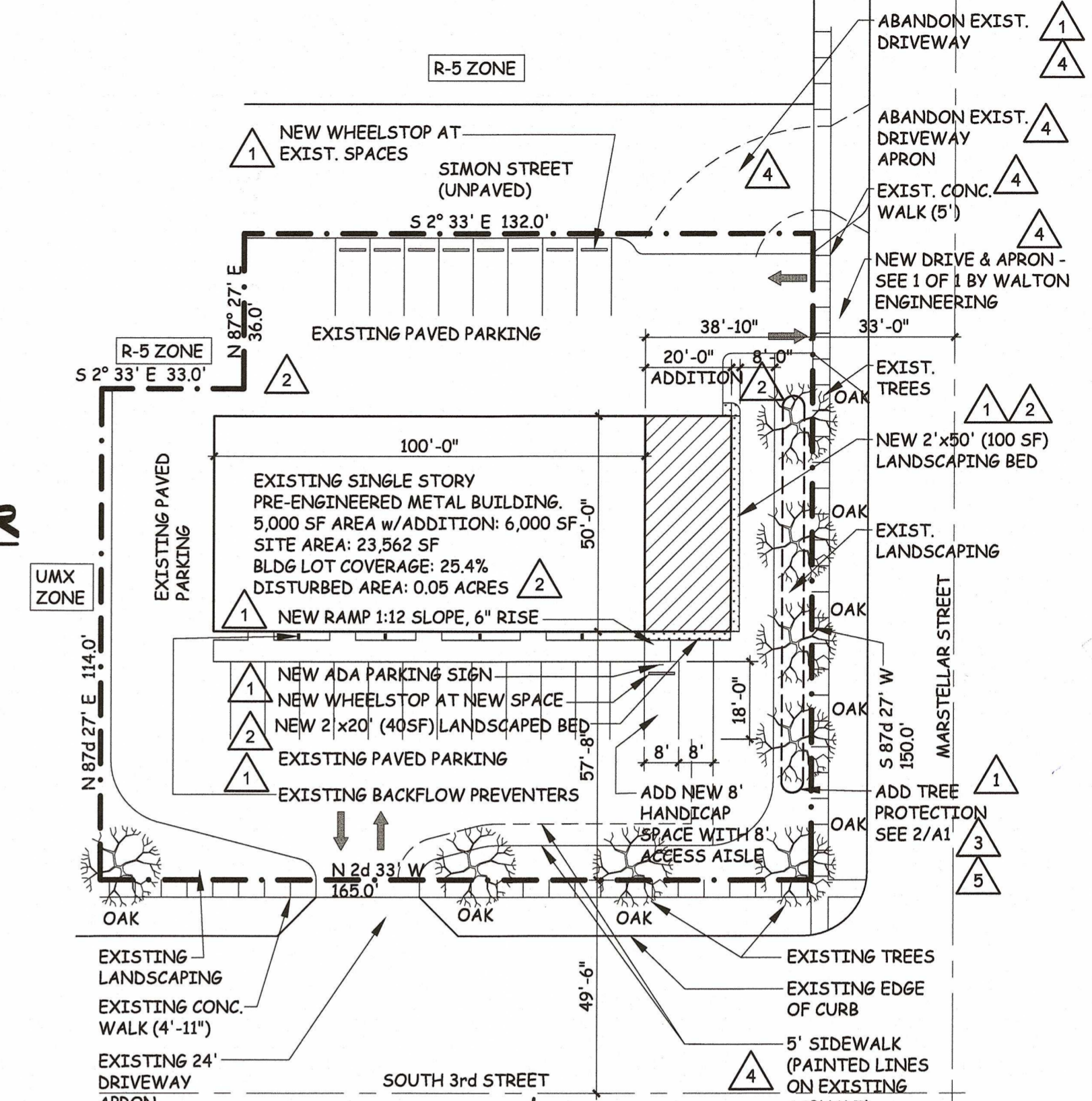
- MAJOR SITE PLAN (TRC MEETING & REVIEW) (Greater than 2 acres or over 10,000 gross square feet)
- MINOR SITE PLAN REVIEW (TRC REVIEW) (Less than 2 acres or less than 10,000 gross square feet)

Key Information:

- A vicinity sketch or key map: [SEE SHEET A0.1]
- True north arrow, with north being at the top of the map: [SEE SHEET A0.1]
- Scale of the map using engineer's scale both graphic and numeric: [SEE SHEETS A0 AND A0.1]

Title Block/Sheet Data Tabulation:

- Name of the development: [SEE CODE REVIEW SHEET A0 ALSO SHOWN ON A0.1]
- Name of the property owner: [SEE CODE REVIEW ON SHEET A0 ALSO SHOWN ON A0.1]
- Name, address and telephone number of the [SEE CODE REVIEW ON SHEET A0] designer who prepared the plan:
- Project address: [SEE CODE REVIEW SHEET A0 ALSO SHOWN ON A0.1]
- PIN number or Tax Parcel Number: [R05413-019-005-000]
- Zoning district: [UAA]
- Building setbacks, required: [NONE, EXCEPT WHERE ABUTS RESIDENTIAL, THEN 5']
- Building setbacks, proposed: [GREATER THAN 5' ALL SIDES]
- Total amount of acreage within the project [54 ACRES]
- boundaries:
- Building size (square footage), both existing and [EXISTING: 5,000 SF; ADDITION: 1,000 SF]
- Calculations for building lot coverage: [6,000 SF BLDG / 23,562 SF LOT: 25.4%]
- Number of units; (and number of bedrooms per [3 TENANTS] unit if multi-unit residential)

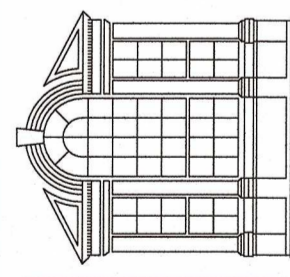


A Building Addition to
Moores Glass Service Inc
1115 South 3rd Street
Wilmington, NC



31 May 2017

MARK GRENNELL, ARCHITECT
Voice 910-233-1061 Fax 910-675-9761
P O Box 393 Castle Hayne, NC 28429



31 May 2017

REVISIONS

- 1. 2 AUG 2017 TRC COMMENTS
- 2. 26 SEPT 2017 TRC COMMENTS
- 3. 28 SEPT 2017 TRC COMMENTS
- 4. 6 NOV 2017 TRC COMMENTS
- 5. 2 JAN 2018 TRC COMMENTS

APPENDIX B SITE PLAN

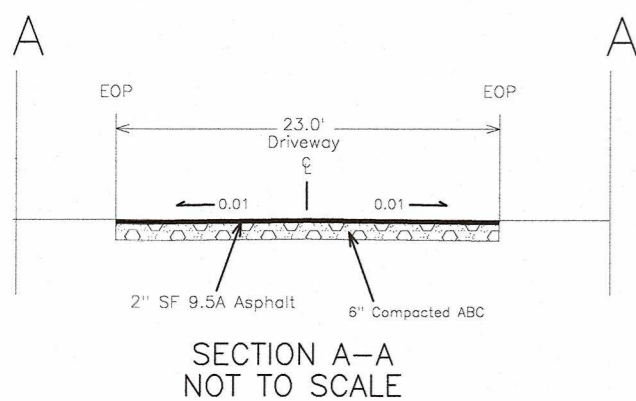
SCALE AS NOTED

ARCH A0

Information and dimensions shown are subject to verification. Mark Gretnell and John Moore are registered professional architects, and as such, are the sole property of Mark Gretnell, architect.

IMPERVIOUS AREA NOTES:
 A) Existing impervious area on site = 20,570.0 SF
 B) Impervious Area Removed during construction = 0 SF
 C) New Impervious Area added in construction = 1,754.3 SF
 D) Total Proposed Impervious Area = 22,324.3 SF
 E) Total Parcel Area = 23,562.0 SF

DRIVEWAY NOTES:
 Driveway Pavement: 6" ABC
 with 2" SF 9.5A



Approved Construction Plan

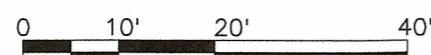
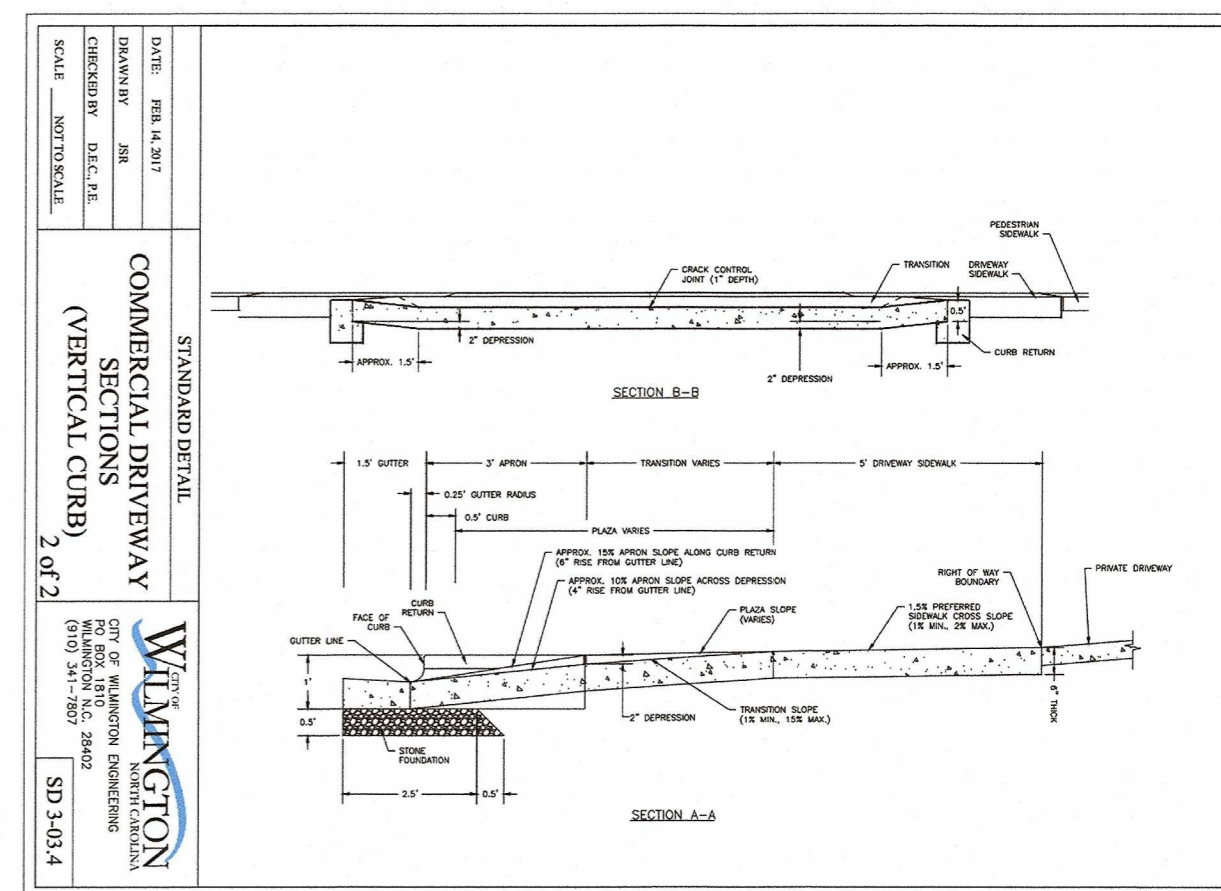
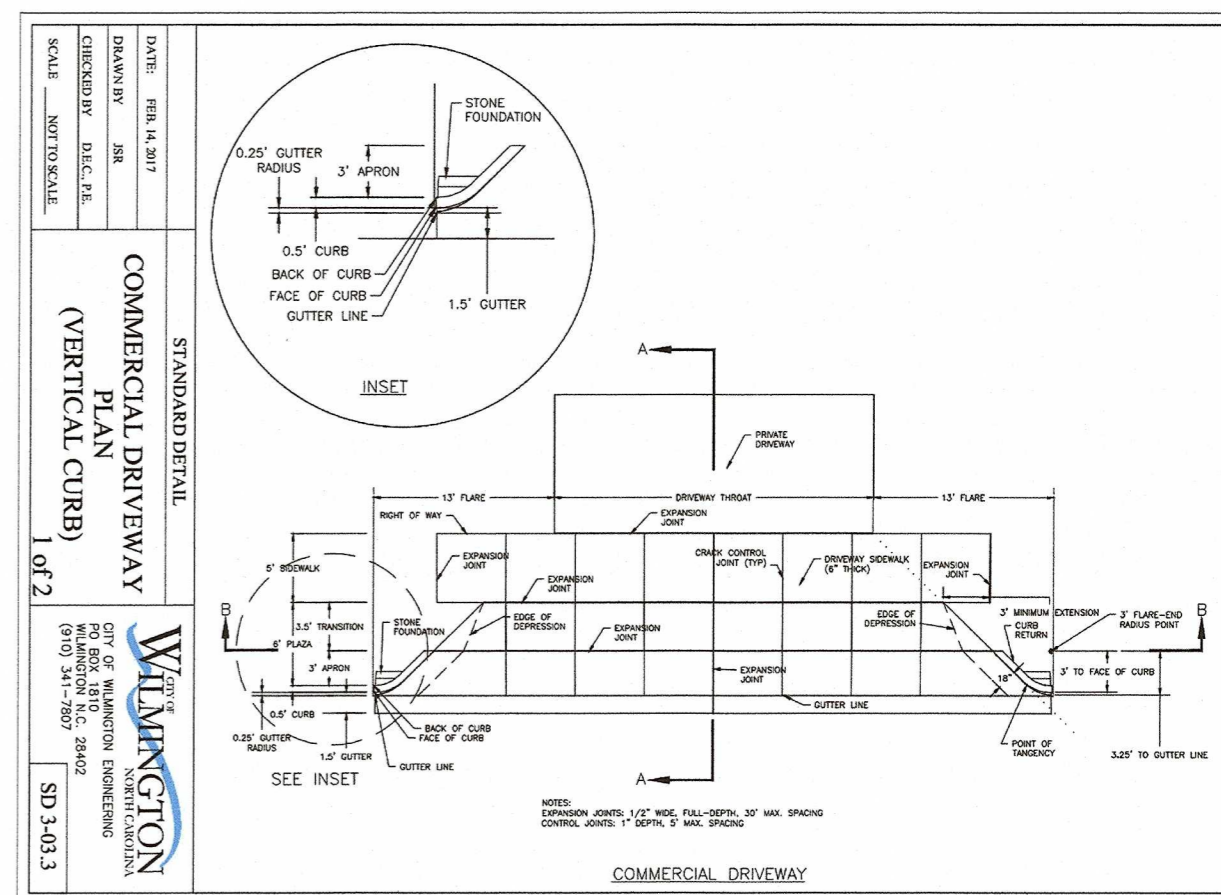
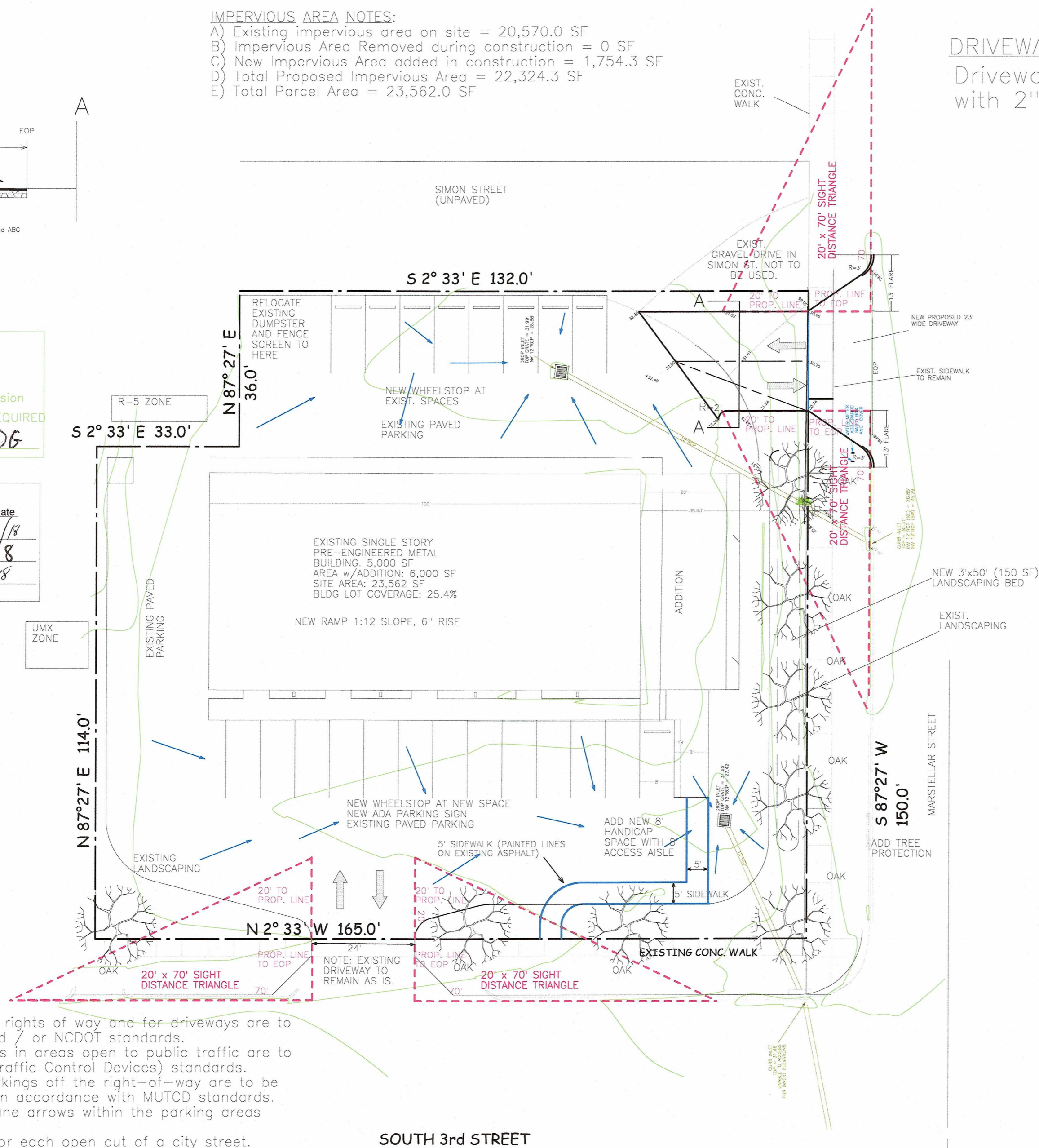
Name	Date
Planning: <i>Suzanne T. Trol</i>	1/11/18
Traffic: <i>W. Walker</i>	1/11/18
Fire: <i>E. Walker</i>	1/11/18

NOTE: This plan is based on a site plan by Mark Grenell Architect. By my seal below, I am certifying only the driveway plan and details.



STORMWATER FLOW ARROWS

NOTES:
 A) All pavement markings in public rights of way and for driveways are to be thermoplastic and meet City and / or NCDOT standards.
 B) All signs and pavement markings in areas open to public traffic are to meet MUTCD (Manual on Uniform Traffic Control Devices) standards.
 C) All traffic control signs and markings off the right-of-way are to be maintained by the property owner in accordance with MUTCD standards.
 D) All parking stall markings and lane arrows within the parking areas shall be white.
 E) A utility cut permit is required for each open cut of a city street. Note: Call 341-5888 for details.
 F) Any broken or missing sidewalk panels, driveway panels and curbing will be replaced.
 G) A landscaping plan indicating the location of required street trees shall be submitted to the City of Wilmington Traffic Engineering Division and Parks and Recreation Dept. for review and approval prior to the recording of the final plat.
 H) Contact Traffic Engineering at 341-7888 48hrs prior to any excavation in the right of way.



Sheet 1 of 1	Project: Moores Glass	Title: Driveway Plan	
Date: 12/20/17	Scale: 1" = 20'	Drawn by: RMW/DAT	

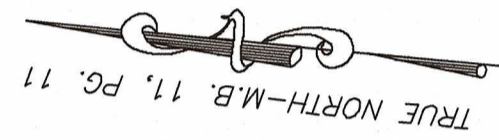
WALTON ENGINEERING
 PO Box 895, Burgaw, NC 28425 (910) 259-4800
 Firm License# F-0968

SURVEY REFERENCE:
 NEW HANOVER COUNTY RECORD MAP BOOK 7 AT PAGE 500
 NEW HANOVER COUNTY RECORD MAP BOOK 10-119-600-600

NOTES:
 1. FLOOD MAP INFORMATION: INSURANCE RATE MAP, NEW HANOVER COUNTY FLOOD FLOOD ZONE, DATED: 08/2/06
 2. CORNERS ARE MARKED AS NOTED ON MAP
 3. ALL DISTANCES ARE HORIZONTAL FIELD MEASUREMENTS.
 4. ELEVATIONS ARE BASED ON NAVD83 METHOD.
 5. PROPERTY IS ZONED "UMK".

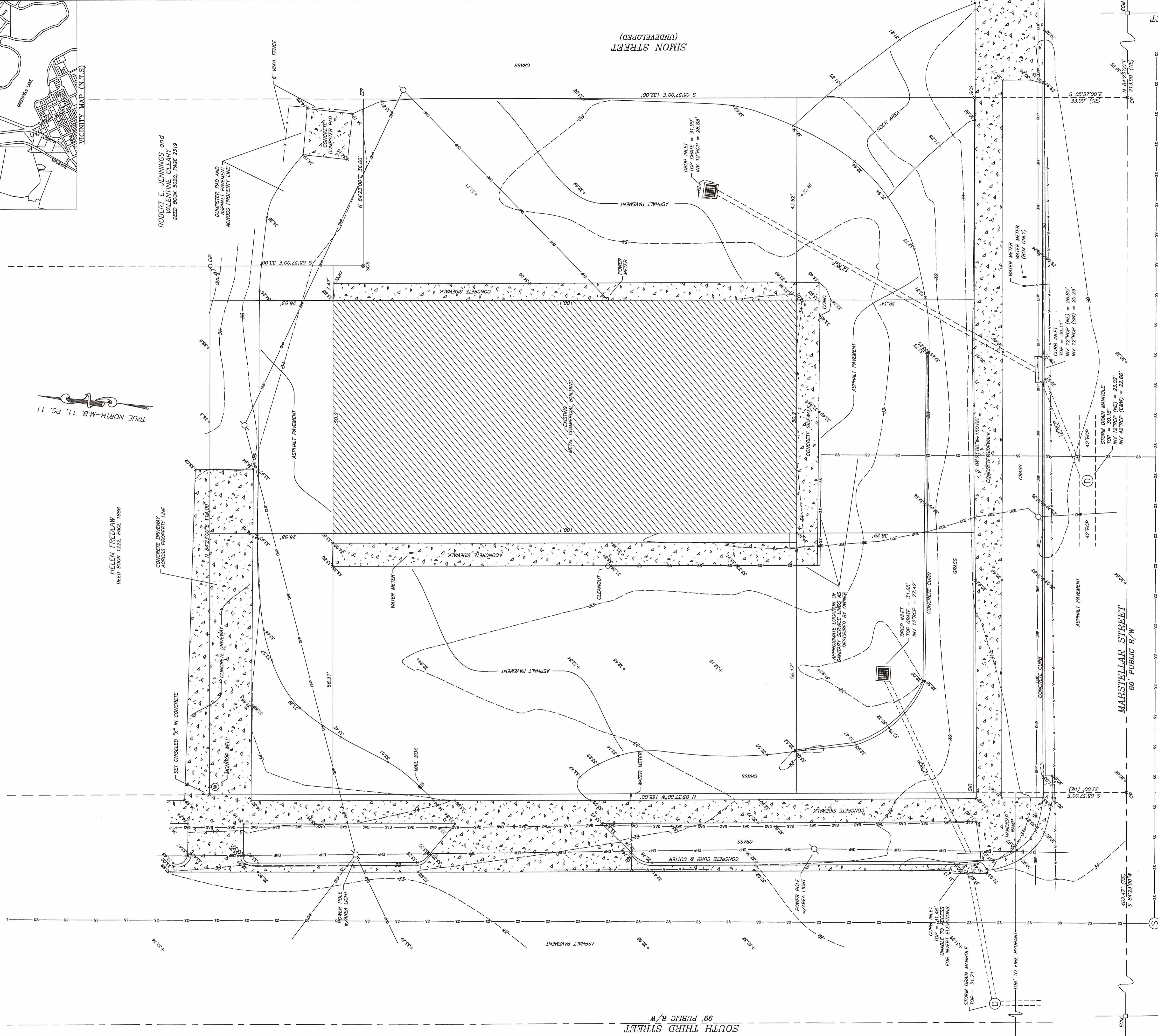
SYMBOL LEGEND:
 ODP EXISTING IRON PIPE
 ER EXISTING IRON ROD
 X SET CHISELED "X" IN MONUMENT
 SR SET IRON ROD
 SRS SET COTTON SPINDLE
 XCP COMPUTED POINT
 RCP REINFORCED CONCRETE PIPE

LINE TYPE LEGEND:
 --- PROPERTY LINE
 --- RIGHT OF WAY LINE
 --- FENCE LINE
 --- ACCESSION LINE
 --- UNDERGROUND ELECTRIC LINE
 --- UNDERGROUND GAS LINE
 --- SANITARY SEWER LINE
 --- UNDERGROUND WATER LINE



HELEN FREDLAW
 DEED BOOK 1222, PAGE 1886

ROBERT E. JENNINGS, and
 VALENTINE CLEARY
 DEED BOOK 3020, PAGE 2319



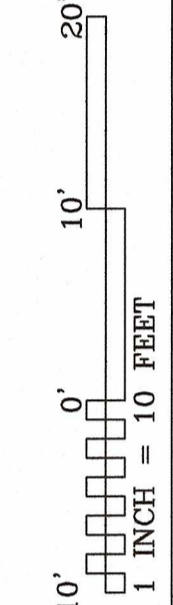
THIS DOCUMENT ORIGINALLY ISSUED, SIGNED AND SEALED BY BOB M. JONES, JR., P.L.S. L-2977
 ON MAY 25, 2017. THIS ELECTRONIC MEDIA SHALL NOT BE CONSIDERED A CERTIFIED DOCUMENT.

Approved Construction Plan	
Name	Date
Planning <i>Ernest J. J. J.</i>	1/11/18
Traffic <i>W. J. J.</i>	1-11-18
Fire <i>C. J. J.</i>	1/11/18

CITY OF WILMINGTON
 NORTH CAROLINA
 Public Services • Engineering Division
 APPROVED PLAN - NO PERMIT REQUIRED
 Signed: *Travis J. J.* for RDG

2 AUG 2017
 TRC COMMENTS

MAP OF SURVEY
 FOR
JOHN T. MOORE and
wife LOIS B. MOORE
 OF
 1115 S. THIRD STREET, WILMINGTON, NC
 PART OF LOTS 4, 5 & 6 - BLOCK 5 - CITY OF WILMINGTON
 WILMINGTON TOWNSHIP - NEW HANOVER COUNTY - NORTH CAROLINA
 SCALE: 1" = 10'
 DATE: MAY 8, 2017



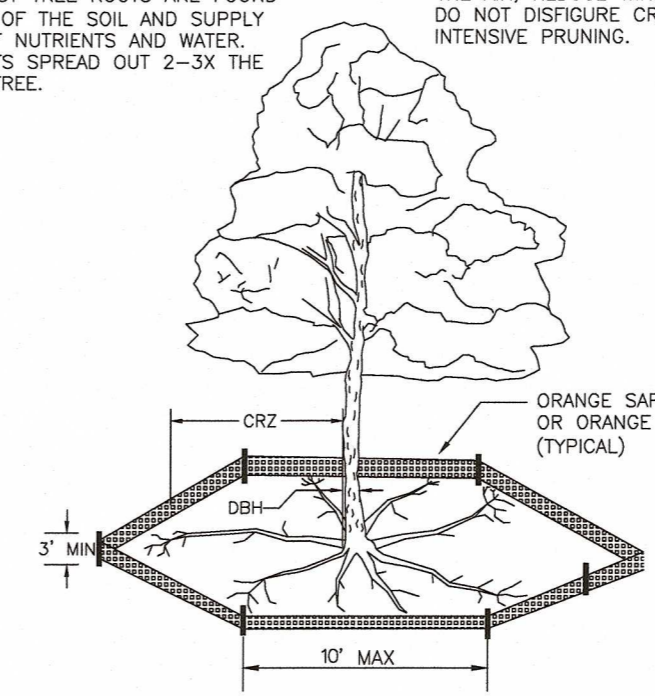
I, Bob M. Jones, Jr., P.L.S., certify that this plot was drawn by me from an actual field survey made under my supervision from information as noted herein; that the same is a true and correct representation of the facts as shown to me; that the ratio of reduction is 1" = 10.0000'; and that I am a duly Licensed Professional Surveyor in the State of North Carolina. Witness my original Signature, License Number and Seal this _____ day of _____ AD, 2017.

Bob M. Jones, Jr., P.L.S.
 NC License No. L-2977

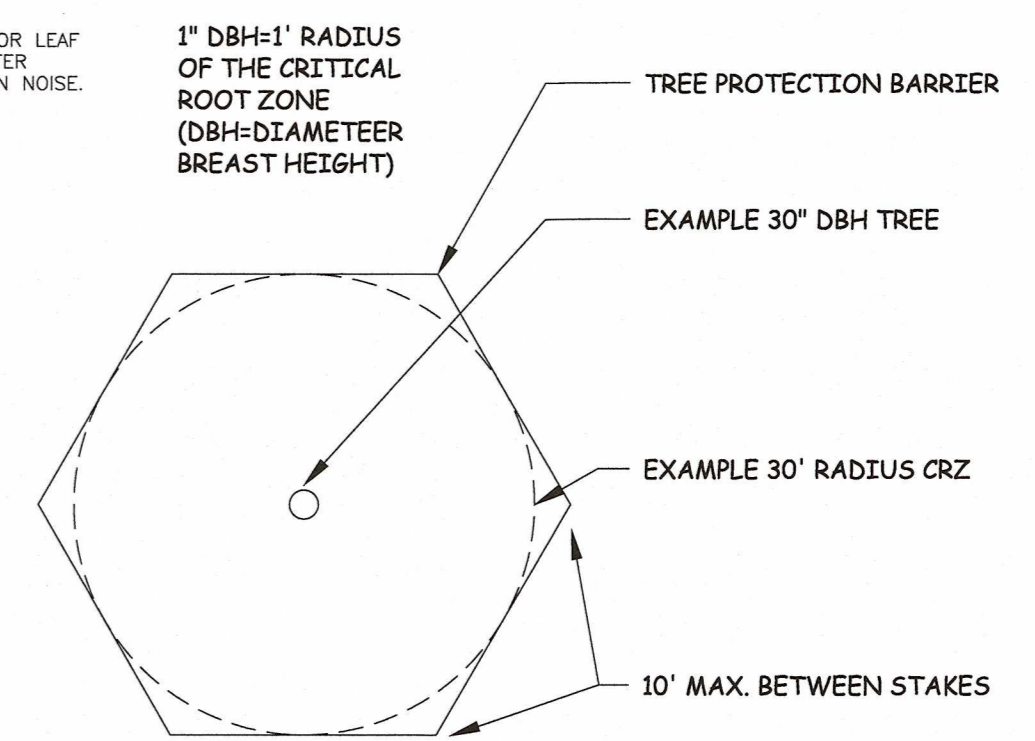
ROBERT H. GOSLER & ASSOCIATES, PA
 LAND SURVEYORS AND PLANNERS
 513 CHESTNUT STREET
 WILMINGTON, NORTH CAROLINA 28401
 rhg@rhgslr.com
 FILE No.: 54137905

A0.1

NOTE: THE CRITICAL ROOT ZONE (CRZ) OF A TREE IS WHERE THE MAJORITY OF A TREE'S ROOTS LAY. 85% OF MOST TREE ROOTS ARE FOUND IN THE TOP 24" OF THE SOIL AND SUPPLY THE MAJORITY OF NUTRIENTS AND WATER. GENERALLY, ROOTS SPREAD OUT 2-3X THE HEIGHT OF THE TREE.

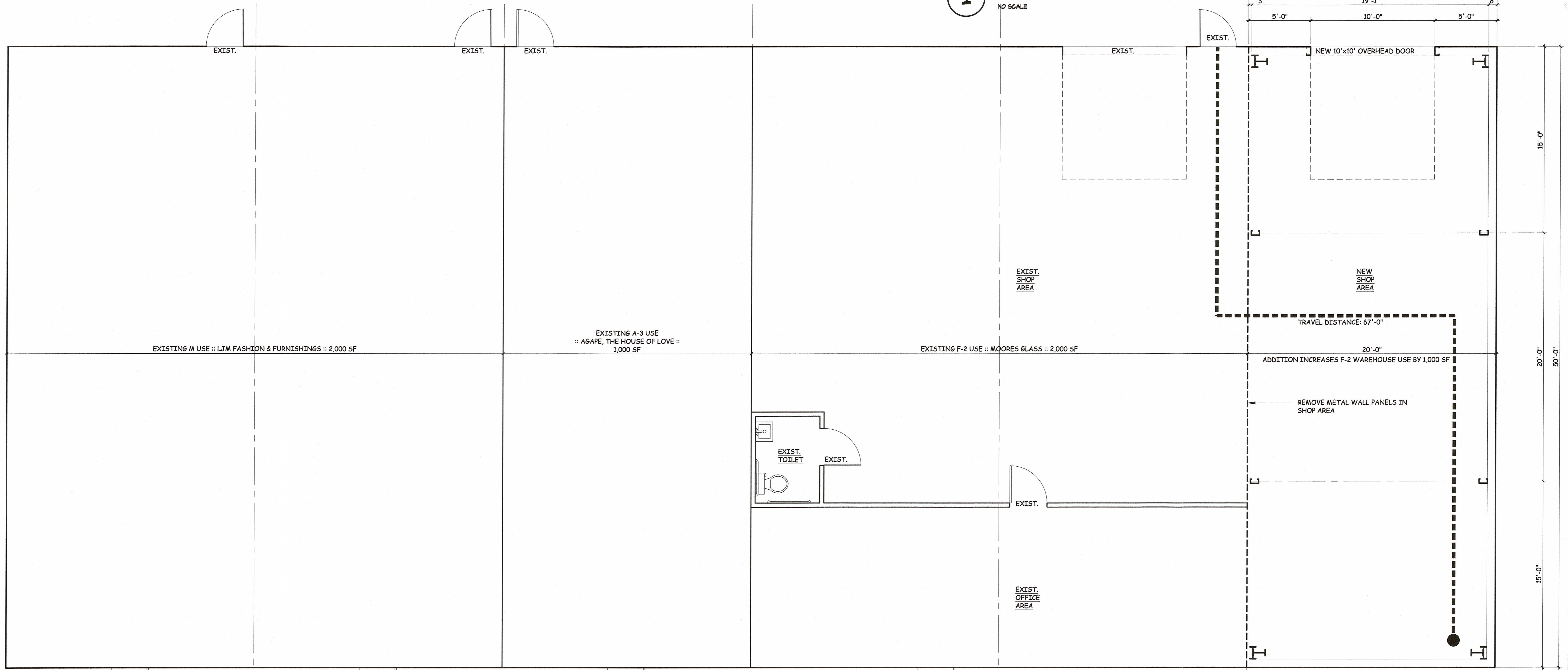


NOTE: CROWN OF THE TREE IS NEEDED FOR LEAF GROWTH TO PRODUCE OXYGEN, FILTER THE AIR, REDUCE WIND AND SOFTEN NOISE. DO NOT DISFIGURE CROWN WITH INTENSIVE PRUNING.

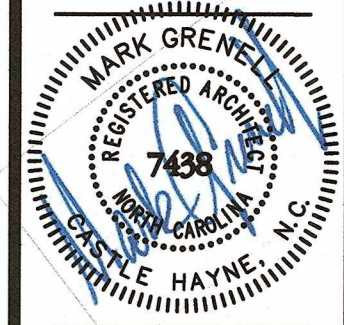


- NOTES:
1. PROTECT CRITICAL ROOT ZONE (CRZ) OF TREES PRIOR TO CONSTRUCTION. CLEARLY MARK THE TREES AND ERECT A PROTECTIVE BARRIER AT THE CRZ. BARRIER SHALL BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETE.
 2. CRZ RADIUS IS 1 FT PER INCH OF TREE DIAMETER AT BREAST HEIGHT (DBH).
 3. IF CONSTRUCTION OCCURS WITHIN THE CRZ, AT LEAST 12" OF MULCH AND/OR LOGGING MATS SHALL BE PLACED WHERE MACHINERY MANEUVERS TO REDUCE SOIL COMPACTION IN THIS ZONE.
 4. WHERE SIDEWALKS AND PATHWAYS PASS WITHIN CRZ, EXTRA CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ROOTS. ALTERNATE CONSTRUCTION METHODS, SUCH AS A REINFORCED SIDEWALK, SHALL BE IMPLEMENTED AS NECESSARY.
 5. FOR ALL TREES, CUTTING OF LARGE STRUCTURAL ROOTS LOCATED NEAR THE BASE OF THE TRUNK IS PROHIBITED. DO NOT COMPACT SOIL BENEATH TREES. NO VEHICLE SHALL BE ALLOWED TO PARK UNDER TREES. NO MATERIALS OR EQUIPMENT SHALL BE STORED BENEATH TREES. DAMAGING THE BARK WITH LAWNMOWERS, CONSTRUCTION EQUIPMENT, OR ANYTHING ELSE IS PROHIBITED. CONTRACTOR SHALL REPAIR DAMAGE TO TREES.
 6. FAILING TO INSTALL OR MAINTAIN PROTECTION MEASURES SHALL RESULT IN A STOP WORK ORDER AND FINE OF \$500/DAY. DISTURBANCE OTHER THAN THAT ALLOWED ON THE APPROVED PLAN WILL REQUIRE OWNER TO POST A LETTER OF CREDIT FOR 3 YRS FOR TREE MITIGATION.

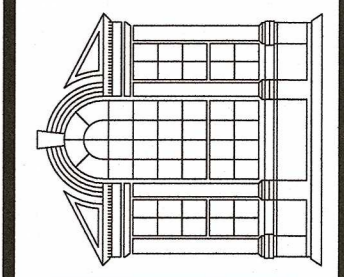
2 TREE PROTECTION DETAIL



A Building Addition to
Moore's Glass Service Inc
 1115 South 3rd Street
 Wilmington, NC



31 May 2017
MARK GRENNELL, ARCHITECT
 P O Box 393 Castle Hayne, NC 28429 Voice 910-233-1061 Fax 910-675-9761
 All information and dimensions shown are subject to verification. State drawings and fees have expired for instruments of service, and as such are the sole property of Mark Grenell, Architect.



31 May 2017

REVISIONS

no.	date
1	2 AUG 2017 TRC COMMENTS
2	JAN 2018 TRC COMMENTS

Approved Construction Plan

Planning	Name	Date
	<i>Augusta Federal</i>	1/11/18
Traffic	<i>W. S. ...</i>	1/11/18
Fire	<i>C. Wilke</i>	1/11/18

City of WILMINGTON NORTH CAROLINA
 Public Services • Engineering Division
 APPROVED PLAN - NO PERMIT REQUIRED
 Signed: *Todd Butler* for RDG

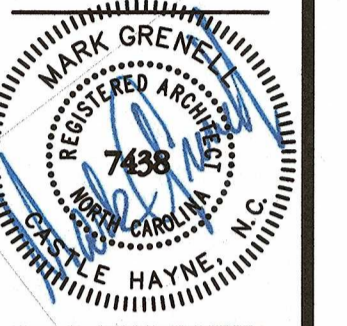
1 FLOOR PLAN
 1/4"=1'-0"

Floor Plan
 SCALE AS NOTED
ARCH A1

Approved Construction Plan
 Name: *Ernest Tubal* Date: *11/1/18*
 Planning: *Ernest Tubal*
 Traffic: *Ernest Tubal* 11/1/18
 Fire: *C. Walker* 1/11/18

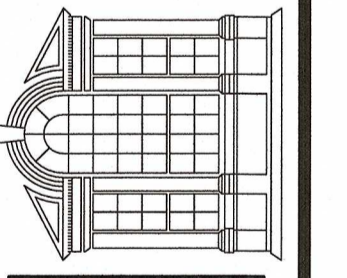
City of WILMINGTON NORTH CAROLINA
 Public Services • Engineering Division
 APPROVED PLAN - NO PERMIT REQUIRED
 Signed: *Tommy Butler* for RDG

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31 May 2017

REVISIONS
 no. date

1 2 AUG 2017
 TRC COMMENTS

- △
- △
- △
- △

Elevations
 Building Section

SCALE AS NOTED

ARCH
A2

