OVERALL PHASING DESCRIPTION The dealership shall remain under normal operations throughout construction. Contractor to sequence work in accordance with the plans and any modifications shall be reviewed and submitted to the owner/owners representative I. Existing service building (3) and Existing used car sales building (2) to be renovated; Existing Pad mount transformer and all existing building services to be relocated (see sheet C6.1) Proposed fire service and sanitary lines to be installed per plan. 1. Install parking, paving and storm drainage. 5. Contractor shall maintain access to the rear parking lot entrance throughout construction. Contractor to coordinate with owner to ensure site is accessible for deliveries. Car haulers will unload vehicles offsite and transport single vehicles back to dealership. Phase 2:1. Existing Pre-Owned sales building to be demolished and and new dealership (4) constructed Install utilities, parking paving and storm drainage. Contractor shall maintain access to the rear parking lot entrance throughout construction.

Contractor to coordinate with owner to ensure

site is accessible for deliveries. Car haulers will unload vehicles offsite and transport single 5. vehicles back to dealership.

Existing Pre—Owned sales building (1) to be demolished.
 Install parking, paving and storm drainage.

. Contractor shall maintain access to the rear parki

Contractor to coordinate with owner to ensure

site is accessible for deliveries. Car haulers will unload vehicles offsite and transport single

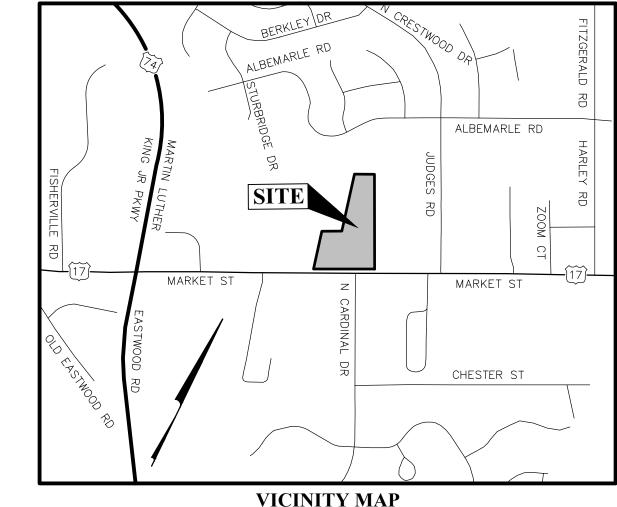
lot entrance throughout construction.

vehicles back to dealership.

CITY OF WILMINGTON, NEW HANOVER COUNTY, NORTH CAROLINA SITE IMPROVEMENT PLAN **FOR**

MAZDA OF WILMINGTON 5813, 5821, & 5911 MARKET STREET

APRIL 17, 2019



No Scale

Sheet Index

SITE DATA SUMMARY* Hendrick Mazda of Wilmington Proposed Site Use: Automotive Sales & Service Existing Automotive Sales & Service Existing Site Use: Project Address: 5815 & 5911 Market Street, Wilmington, NC R05006-001-001-000, R05006-001-003-000, Parcel ID Number: R05006-001-005-000, R05006-001-006-000 Zoning District(s): RB (City of Wilmington)/I-1(New Hanover County) Overlay District(s) Designation: Building Setbacks: 25' Front Setback, 0' Side Setback, 15' Rear Setback 132' Front, 71' Side (E), 393' Side (W), 16' Rear Total Amount of Acreage within the Project Boundaries: Total Amount of Acreage within 9.12 AC (397,267 SF) the Site Boundaries: 4 (23,878 sf) Existing Buildings Onsite: Existing Building to be Demolished: 3 (11,650 sf) Proposed Building (4) Height: Proposed Building (5) Height: Proposed Building (6) Height: 12'8" Total Buildings Onsite: 27,949 sf Building Construction Type: Type II-B

1. These plans are to be in strict conformance with the City Public Utility Authority Specifications and Standards. Sediment and erosion control measures shall be maintained throughout this development as indicated in the Erosion Control Phase 1, 2 & 3 Plan Sheets, and per New Hanover County requirements.

FEMA NOTE:

*See sheet C4.0 for full Site Data Table

According to the Federal Emergency Management Agency's Flood Insurance Map, dated August 28, 2018, the subject tract shown herein lies within Zone "X" (areas determined to be outside 0.2% annual chance floodplain), Map No. 3720314800K, Panel Number 3148.

SOIL TYPES:

According to a map provided by the Natural Resources Conservation Service dated January 17, 2019. 91.7% of soils on this site are Se, Seagate fine sand. 8.3% of soils on this site are JO, Johnston soils.

NCDOT NOTE:

These plans are designed to tie in with the proposed NCDOT TIP U-4902C project. All roadway improvement work associate3d with the U-4902C project is to be designed and constructed by NCDOT. All roadway improvements shown are for reference only and based on preliminary drawings provided by NCDOT on January 17, 2019.

STORMWATER NOTE:

The existing NCDEQ stormwater permit number for the site is SW-8950626. A minor modification has been submitted to NCDEQ for approval. The proposed improvments to the site will not increase the net built upon area or change the size or design of the existing BMP.

BENCH MARKS Horizontal: NAD 83 (2011) Vertical: NAVD 88

Iron Pipe Found, $\frac{1}{2}$ " Pipe Flush

Northing = 184273.19Easting = 2345592.59Elev. = 40.38

Fire hydrant top street side nut

Northing = 184073.718Easting = 2345168.374Elev. = 42.107



Call 1-800-632-4949 before you dig: It's the law!

By law, everyone MUST contact the North Carolina One-Call Center, 1-800-632-4949, at least 72 hours but

no more than 10 working days (excluding weekends and legal holidays) before beginning ANY digging project.

DEVELOPER

Hendrick Automotive Group 6000 Monroe Road Charlotte, NC 28212 Contact: Greg Clark Tel: (704) 566-3313 Fax: (704) 566-3295 greg.clark@hendrickauto.com

ENGINEER

BM #2

301 McCullough Drive, Suite 109 Charlotte, NC 28262 Contact: Brian Rossi, PE Tel: (704) 548-0333 Fax: (704) 548-0334 brossi@emht.com

Charlotte, NC 28262 Contact: Ed Miller, PLS Tel: (704) 548-0333 Fax: (704) 548-0334 emiller@emht.com

Redline Design Group Charlotte, NC 28208 Contact: David Eve Tel: (704) 377-2990 Fax: (704) 377-2909 deve@redlinedg.com

SITE LIGHTING

Teeter Engineering Group 5500 77 Center Drive, Suite 140 Charlotte, NC 28217 Contact: Buck Driggers Tel: (980) 949-7569 buckd@tegpa.com

ADJOIN	ING PROPERTY OWNERSHIP TABLE	Sheet Number	Sheet Title
(1) GO	STORE IT WILMINGTON LLC	C1.0	Cover Sheet
PIN:	N: R05005-001-017-000	C1.1	General Notes & Abbreviations
ARE	5892 P. 2453 A:1.86 AC	C2.0	Overall Existing Conditions
	IING: RB D USE: SELF STORAGE	C2.1	Existing Conditions and Demolition Plan Phase 1
O 00		C2.2	Existing Conditions and Demolition Plan Phase 2
PIN:	STORE IT WILMINGTON LLC R05005-001-015-000	C2.3	Existing Conditions and Demolition Plan Phase 3
	3 5892 P. 2453 REA: 5.89 AC DNING: I-1	C3.0	Erosion Control Plan Phase 1
ZON		C3.1	Erosion Control Plan Phase 2
	AND USE: SELF STORAGE AROLINA STORAGE INVESTORS LLC IN: R05000-001-003-000 B 5725 P. 538 REA: 2.69 AC ONING: I-1	C3.2	Erosion Control Plan Phase 3
(3) CAR PIN:		C3.3	Erosion Control Details
DB		C3.4	Erosion Control Details
ZON		C4.0	Overall Site Plan
LAN	D USE: SELF STORAGE	C4.1	Site Plan Phase 1
	AROLINA STORAGE INVESTORS LLC N: R05006-001-008-000 B 5351 P. 2966 REA: 2.41 AC ONING: I-1	C4.2	Site Plan Phase 2
DB		C4.3	Site Plan Phase 3
		C4.4	Turning Movement Plan
LAN	D USE: SELF STORAGE	C4.5	Fire Apparatus Plan
	HE CAMP GROUND LLC	C4.6	Intersection Sight Distance Plan
PIN: R05000-001-004-000 DB 5657 P. 2350 AREA: 1.54 AC ZONING: I-1 LAND USE: EQUIPMENT RENTAL		C5.0	Overall Grading Plan
		C5.1	Grading Plan Phase 1 & 3
		C5.2	Grading Plan Phase 2
6 THE CAMP GROUND LLC PIN: R05006-001-007-000 DB 5657 P. 2350 AREA: 1.66 AC ZONING: RB		C5.3	Future Driveway Detail
		C5.4	Drainage Area Plan
		C6.0	Overall Utility Plan
	ND USE: EQUIPMENT RENTAL	C6.1	Utility Plan Phase 1A
		C6.2	Utility Plan Phase 1B
		C6.3	Utility Plan Phase 2
	PROPERTY OWNERSHIP TABLE	C6.4	Utility Plan Phase 3
Ī	(A) WILMINGTON HO RE LLC PIN: R05006-001-001-000 DB 6149 P. 2269 AREA: 3.91 AC	C7.0	Site Details
		C7.1	Site Details
		C7.2	Site Details
	zONING RB (City of Wilmington)	C7.3	Utility Details

C7.4

L2.0

Utility Details

Tree Survey Table

Landscaping Plan

Landscaping Details

WILMINGTON HO RE LLC

WILMINGTON HE RE LLC PIN: R05006-001-006-000

WILMINGTON HO RE LLC

PIN R05006-001-005-000

ZONING: RB (City of Wilmington)

DB 6149 P. 2280

DB 6149 P. 2280 AREA: 0.61 AC

DB 6149 P. 2280

AREA: 1.44 AC

AREA: 2.81 AC

PIN: R05006-001-003-000

ZONING: I-1 (New Hanover County)

ZONING I—1 (New Hanover County)

WILMINGTON Public Services • Engineering Division APPROVED STORMWATER MANAGEMENT PLAN Approved Construction Plan

EVANS MECHWART HAMBLETON & TILTON, INC.

April 17, 2019 SCALE As Noted

> JOB NO. 20181384 SHEET

SURVEYOR

301 McCullough Drive, Suite 109

ARCHITECT

1023 W. Morehead St., Suite 220

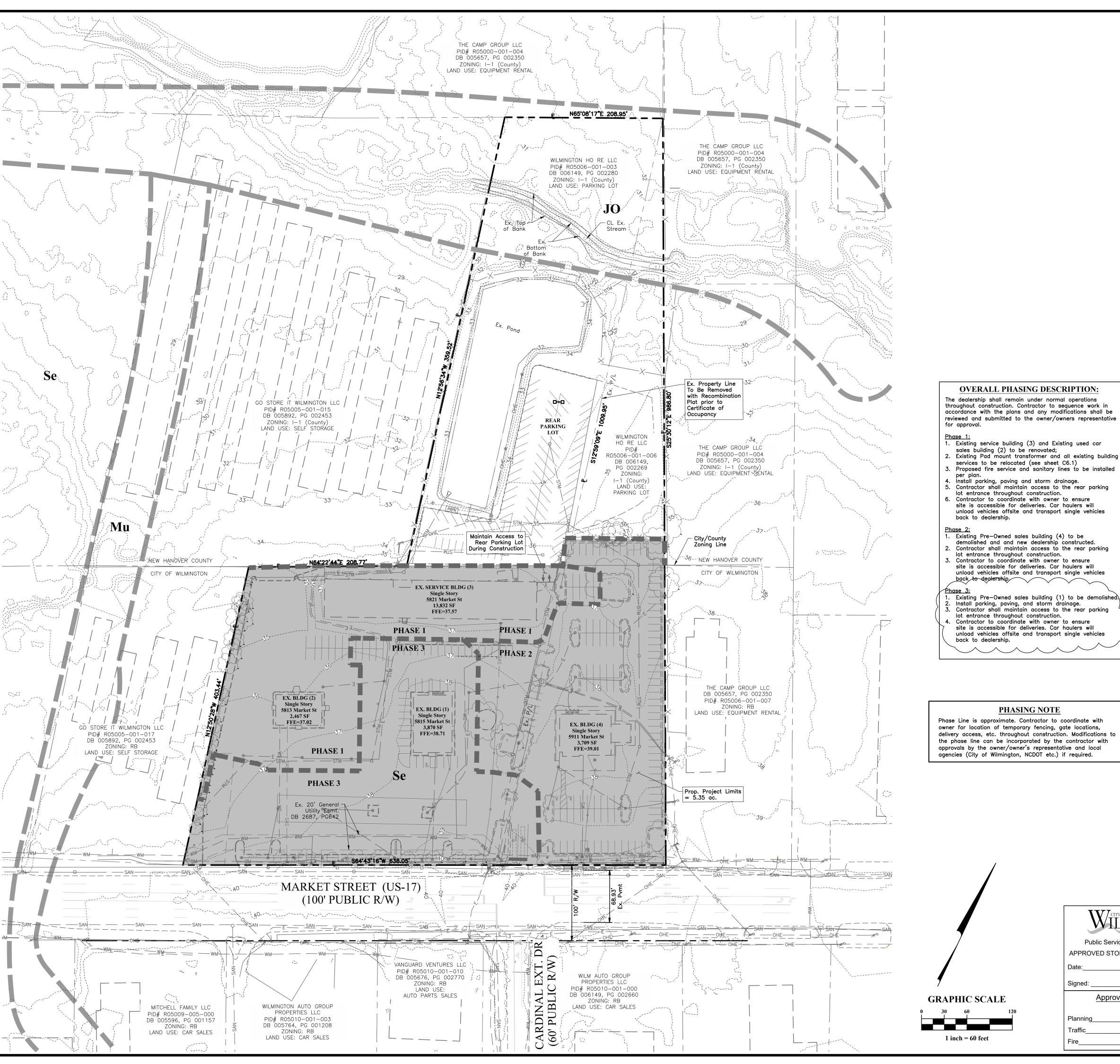
1 inch = 100 feet

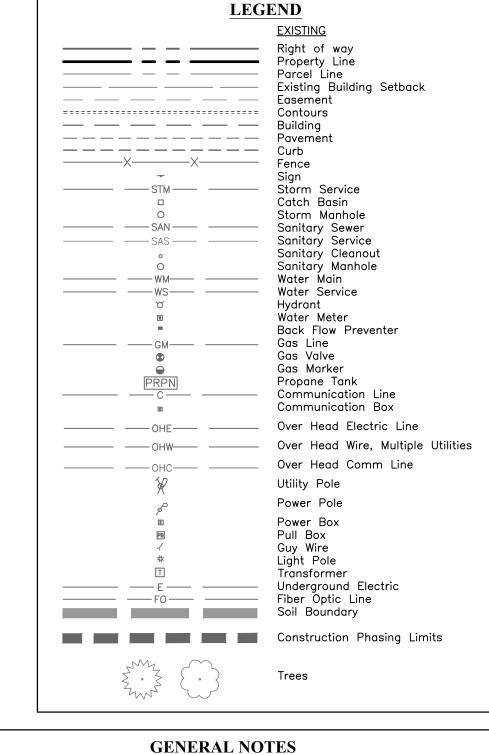
US 17 / MARKET STREET BM #1 100' Public R/W

Prop. Utilit Bldg. (5)

INDEX MAP Scale: 1" = 100'

GRAPHIC SCALE





OVERALL PHASING DESCRIPTION:

The dealership shall remain under normal operations throughout construction. Contractor to sequence work in accordance with the plans and any modifications shall be reviewed and submitted to the owner/owners representative

- 1. Existing service building (3) and Existing used car sales building (2) to be renovated;
- services to be relocated (see sheet C6.1) Proposed fire service and sanitary lines to be installed
- per plan. Install parking, paving and storm drainage.
- lot entrance throughout construction. 6. Contractor to coordinate with owner to ensure
- 1. Existing Pre-Owned sales building (4) to be demolished and and new dealership constructed. 2. Contractor shall maintain access to the rear parking
- lot entrance throughout construction. Contractor to coordinate with owner to ensure site is accessible for deliveries. Car haulers will unload vehicles offsite and transport single vehicles
- . Existing Pre-Owned sales building (1) to be demolished Install parking, paving, and storm drainage. Contractor shall maintain access to the rear parking
- lot entrance throughout construction. Contractor to coordinate with owner to ensure site is accessible for deliveries. Car haulers will unload vehicles offsite and transport single vehicles

PHASING NOTE

Phase Line is approximate. Contractor to coordinate with owner for location of temporary fencing, gate locations, delivery access, etc. throughout construction. Modifications to the phase line can be incorporated by the contractor with approvals by the owner/owner's representative and local agencies (City of Wilmington, NCDOT etc.) if required.

Signed:

- Total Site Acreage:
- Total Project Acreage:
- 6.07 AC. Ex. Site Impervious Area: Zoning is split between City of Wilmington, Regional Business District (RB), and New

9.12 AC.

5.35 AC.

- Hanover County, Light Industrial District (1−1). On—site existing conditions are based on a field performed boundary and topographic survey by EMH&T on May 29, 2018 and January 11, 2019. Off-site existing
- conditions are based on available GIS information and aerial imagery. Underground utilities shown are approximate and based on aboveground evidence available at the time of survey and paint markings from NC811 Utility Locate Request Ticket A181500289-00A. Lacking excavation, the exact nature and location of
- underground features cannot be accurately, completely, and reliably depicted. All work to be accomplished in strict accordance with all Local, City and State
- Contractor is to perform a site walk prior to bid to verify existing conditions. The contractor is responsible to provide a separate demolition and construction
- schedule detailing coordination of existing utility services to be maintained and any utility service interruptions to owner or adjacent properties. Protect adjacent curbs, trees, buildings, utilities and other items to remain from
- damage. Contractor shall be responsible for repair and/or payment of any damaged item(s) that are to remain.
- Contractor is responsible to barricade the site as necessary to prevent unauthorized entry and provide safety measures per local, state and federal regulations. For all items to be removed, whether shown or noted on the plans, include all
- underground elements in bid price, including, but not limited to: foundations, gravel fills, tree roots, old pipe, etc. 12. Any work to be completed within Public ROW shall be properly permitted prior to
- beginning work. Maintenance of traffic in conformance to all applicable laws and regulations shall be established prior to beginning work. 13. All trenches from demolition of utilities shall be backfilled to 98% of the maximum
- density obtainable with the standard proctor test, unless otherwise directed by the Geotechnical Engineering report or on—site representative. 14. Utility locations shown are based on site conditions at the time of survey.
- Contractor(s) are to have all utilities accurately marked prior to construction. 15. Contractor shall coordinate utility removal and relocations with all private utility
- 16. The contractor shall repair all damages to existing utilities that occur during construction at no additional cost to the owner. The contractor must call all the appropriate utility companies at least 48 hours before any excavation to request exact field location of utilities.
- Protect all utilities to remain. Contractor shall maintain service for all utilities
- throughout the duration of construction. 18. Refer to landscape drawings for tree protection notes and details. 19. All demolition items shall be removed and disposed of off-site unless approved by
- the on—site Geotechnical Engineer as fill material. 20. Disconnect and cap all utilities to be abandoned. Fill all utilities to be abandoned
- greater than 6 inches in diameter with flowable fill material. Contractor may remove utilities to be abandoned in lieu of abandonment.
- . Protect survey control during construction. Provide additional control as necessary to perform construction operation.

	Soil Survey Legend			
Symbol	Unit Name	Hydrologic Soil Group		
Se	Seagate fine sand	A/D		
JO	Johnston soils	В		

SOIL TYPES:

According to a map provided by the Natural Resources Conservation Service dated January 17, 2019. 91.7% of soils on this site are Se, Seagate fine sand. 8.3% of soils on this site are JO, Johnston soils.

FEMA NOTE:

According to the Federal Emergency Management Agency's Flood Insurance Map, dated August 28, 2018, the subject tract shown herein lies within Zone "X" (areas determined to be outside 0.2% annual chance floodplain), Map No. 3720314800K, Panel Number 3148.



Approved Construction Plan



SCALE 1'' = 60'JOB NO.

DATE

April 17, 2019

SHEET

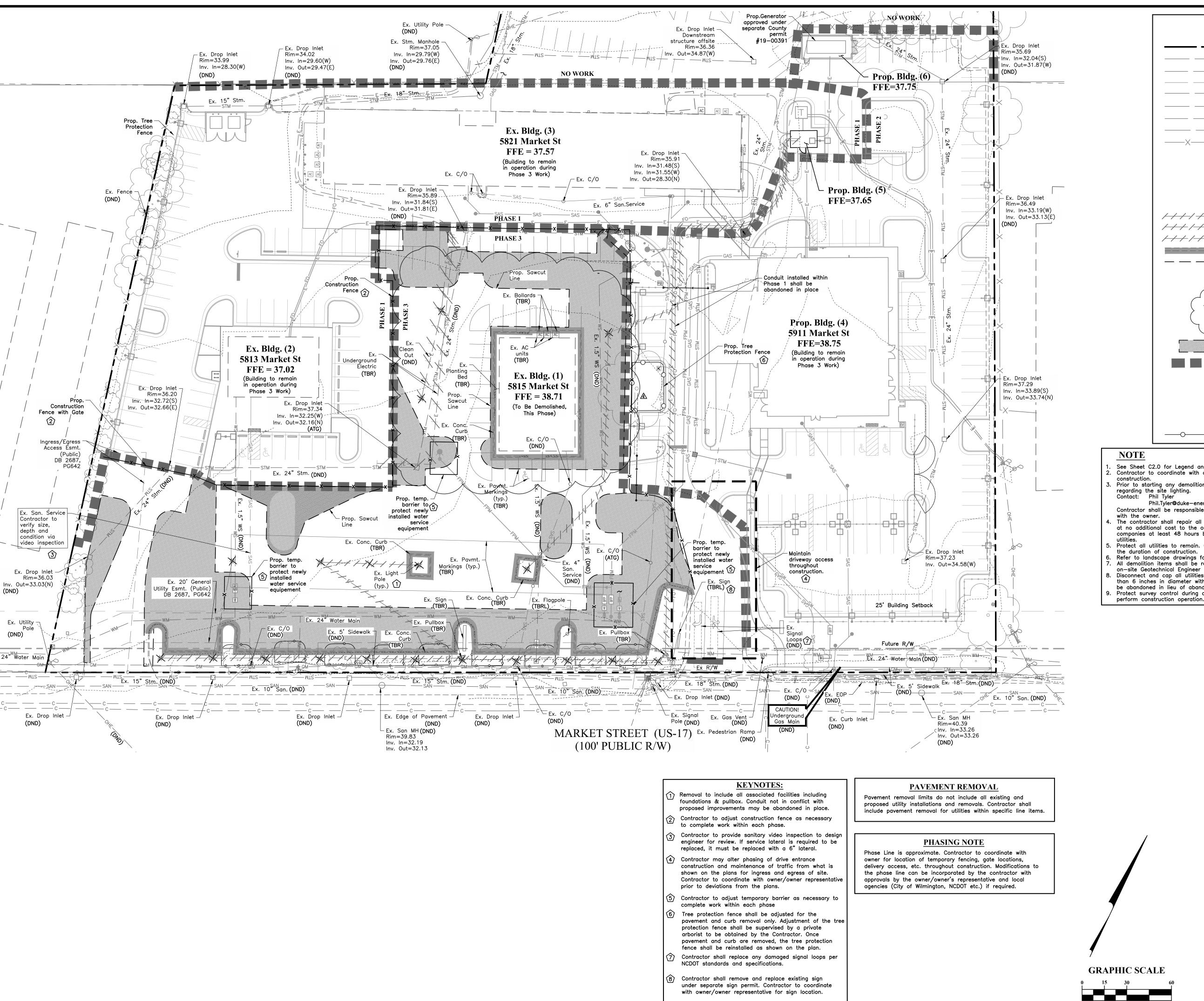
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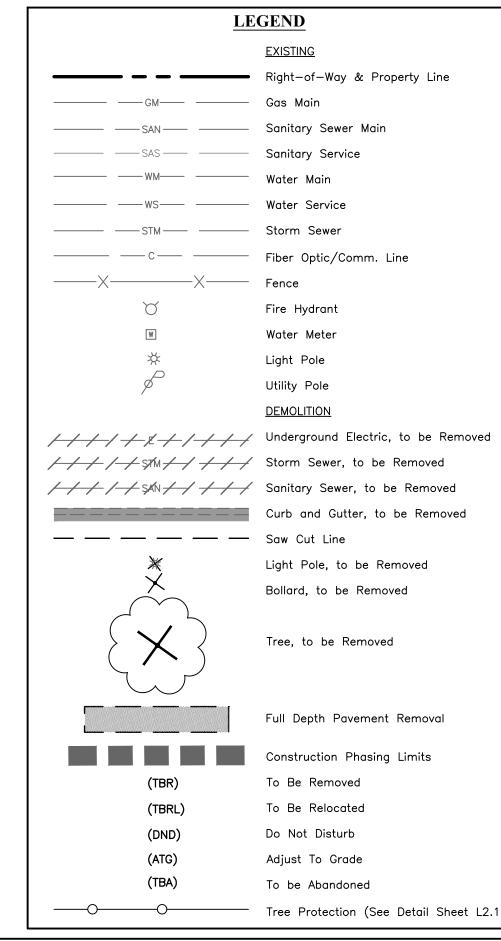
IARK

OF WILMIN 5911 MARKE EXISTING CONE

SITE I

C2.0





See Sheet C2.0 for Legend and General Existing Conditions and Demolition Notes. Contractor to coordinate with owner to maintain access to north parking lot throughout

Prior to starting any demolition work, the Contractor shall coordinate with Duke Energy regarding the site lighting.

Contact: Phil Tyler

Phil.Tyler@duke-energy.com (910)524-9437 Contractor shall be responsible for scheduling all work/meetings and must be coordinated

The contractor shall repair all damage to existing utilities that occurs during construction at no additional cost to the owner. The contractor must call the all appropriate utility companies at least 48 hours before any excavation to request exact field location of

the duration of construction. Refer to landscape drawings for tree protection notes and details.

All demolition items shall be removed and disposed of off-site unless approved by the on-site Geotechnical Engineer as fill material. Disconnect and cap all utilities to be abandoned. Fill all utilities to be abandoned greater

than 6 inches in diameter with flowable fill material. Contractor may remove utilities to be abandoned in lieu of abandonment. Protect survey control during construction. Provide additional control as necessary to



DATE **April 17, 2019**

SCALE 1'' = 30'

20181384

SHEET C2.3

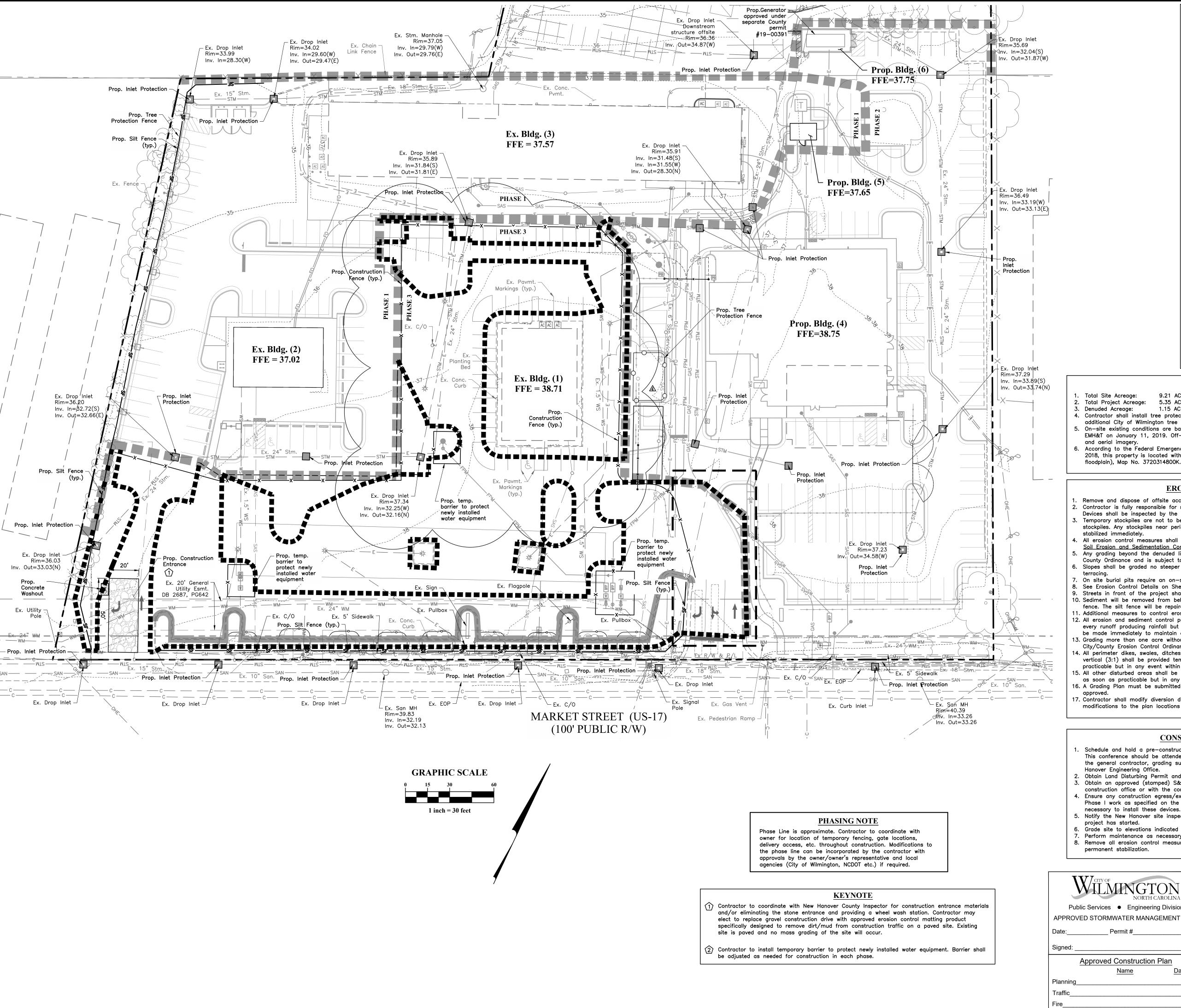
Public Services • Engineering Division APPROVED STORMWATER MANAGEMENT PLAN Approved Construction Plan <u>Date</u> Plannind

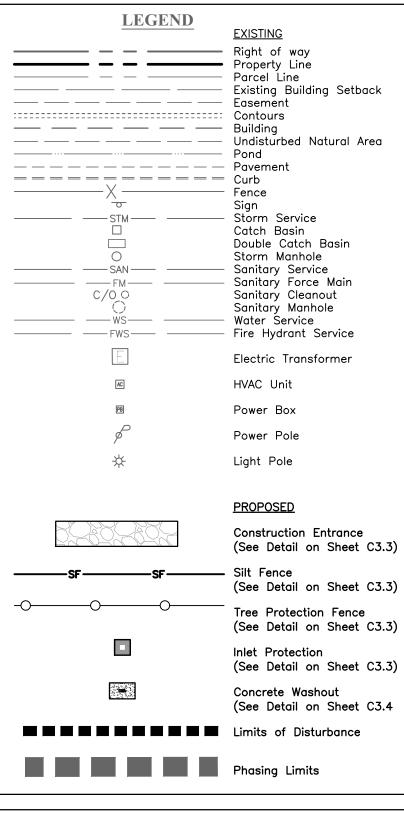
EVANS MECHWART HAMBLETON & TILTON, INC.

1 inch = 30 feet

CITY OF WILMINGTON, NEW HANOVER COUNTY, SITE IMPROVEMENT PLAN FOR MAZDA OF WILMING 5813, 5821, & 5911 MARKET XISTING CONDITIONS AND DEMOLITI

JOB NO.





GENERAL NOTES

9.21 AC. Total Site Acreage: 2. Total Project Acreage: 5.35 AC.

1.15 AC. (Phase 3), 3.19 AC (Total)

4. Contractor shall install tree protection fencing prior to any construction activity. See sheet C1.1 for additional City of Wilmington tree protection notes.

5. On—site existing conditions are based on a field performed boundary and topographic survey by EMH&T on January 11, 2019. Off—site existing conditions are based on available GIS information

6. According to the Federal Emergency Management Agency's Flood Insurance Map, dated August 28 2018, this property is located within Zone "X" (areas determined to be outside 0.2% annual change floodplain), Map No. 3720314800K.

EROSION CONTROL NOTES

- Remove and dispose of offsite accumulated sediment from erosion control devices as required. Contractor is fully responsible for maintaining all erosion control devices throughout construction.
- Devices shall be inspected by the Contractor after each rain and repaired as needed. Temporary stockpiles are not to be located in drainage ways. Maintain 2:1 maximum slope on all stockpiles. Any stockpiles near perimeter of construction area must be wrapped in silt fence and stabilized immediately.
- 4. All erosion control measures shall conform to the standards set forth in the New Hanover County Soil Erosion and Sedimentation Control Ordinance.
- 5. Any grading beyond the denuded limits shown on the plan is a violation of the New Hanover County Ordinance and is subject to a fine(s).
- 6. Slopes shall be graded no steeper than 2:1. Fill slopes greater than 10' require adequate
- '. On site burial pits require an on—site Demolition Landfill Permit From the Zoning Administrator.
- 8. See Erosion Control Details on Sheet C3.3 & C3.4. 9. Streets in front of the project shall be kept clean at all times or wash station will be required.
- 10. Sediment will be removed from behind the silt fence when it becomes about 0.5' deep at the fence. The silt fence will be repaired as necessary to maintain a barrier.
- 11. Additional measures to control erosion and sediment may be required by erosion control inspector. 12. All erosion and sediment control practices will be checked for stability and operation following
- every runoff producing rainfall but in no case less than once every week. Any needed repairs will be made immediately to maintain all practices as designed.
- 3. Grading more than one acre without an approved Erosion Control Plan is a violation of the City/County Erosion Control Ordinance and is subject to a fine.
- 4. All perimeter dikes, swales, ditches, perimeter slopes and all slopes steeper than 3 horizontal to 1 vertical (3:1) shall be provided temporary or permanent stabilization with ground cover as soon as practicable but in any event within 7 calendar days from the last land-disturbing activities.
- 5. All other disturbed areas shall be provided temporary or permanent stabilization with ground cover as soon as practicable but in any event within 14 calendar days from last land—disturbing activity. 16. A Grading Plan must be submitted for any lot grading exceeding one acre that was not previously
- 7. Contractor shall modify diversion ditches as needed with the construciton sequencing. All modifications to the plan locations must be coordinated with the New Hanover County Inspector.

CONSTRUCTION SEQUENCING

- Schedule and hold a pre-construction conference prior to beginning any land-disturbing activities. This conference should be attended by a representative of the financially responsible party and/or the general contractor, grading sub-contractor, erosion control sub-contractor and the New
- 2. Obtain Land Disturbing Permit and placard, and post the placard on site.
- 3. Obtain an approved (stamped) S&E control plan and keep it on site, either in the inspection box, construction office or with the contractor.
- 4. Ensure any construction egress/exit, silt fencing, and other erosion control measures required for Phase I work as specified on the plan are installed per plan. Remove only trees and ground cover
- 5. Notify the New Hanover site inspector after erosion control measures have been installed and
- project has started.
- 6. Grade site to elevations indicated and provide necessary sediment and erosion control measures. 7. Perform maintenance as necessary to provide adequate sediment control measures on—site.
- 8. Remove all erosion control measures after the New Hanover Engineering Office approval of

permanent stabilization.





IARK
A A A

OF WILMING 5911 MARKE CONTROL PLAN F

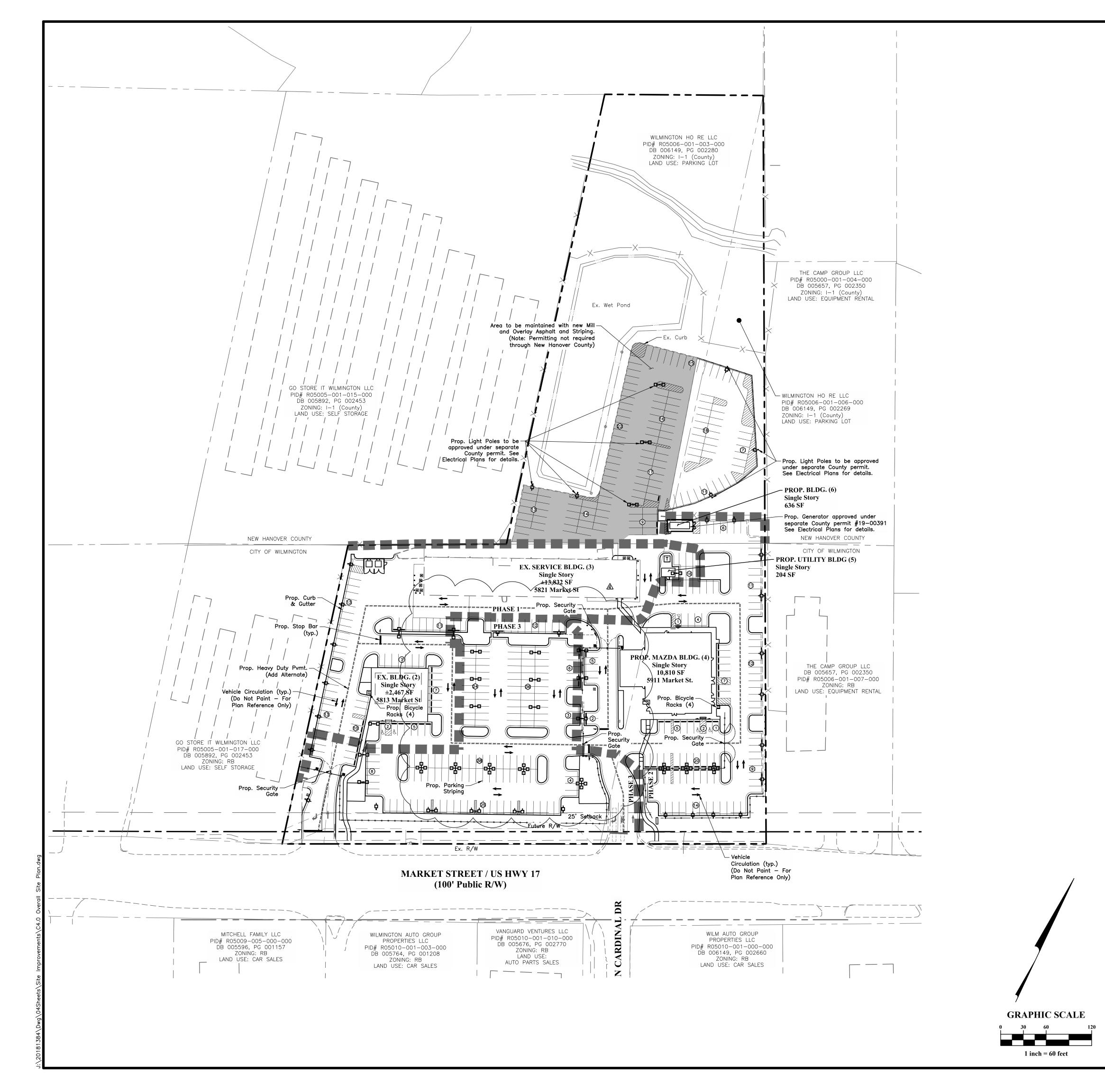
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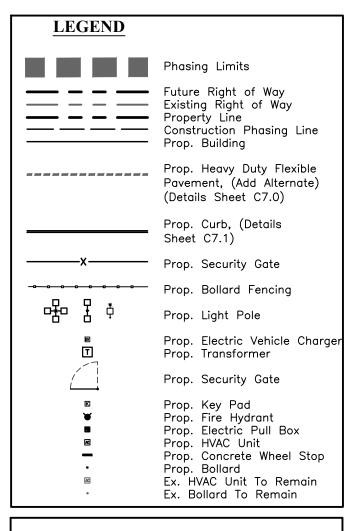
DATE **April 17, 2019**

SCALE 1" = 30'

JOB NO. 20181384

SHEET **C3.2**





Note: See Sheet C2.0 for Overall Existing Conditions Legend.

SITE DATA

Project Name: Hendrick Mazda of Wilmington Automotive Sales & Service Proposed Site Use Existing Site Use: Existing Automotive Sales & Service

5813, 5821, & 5911 Market Street, Wilmington, NC Project Address:

R05006-001-001-000, R05006-001-003-000, R05006-001-005-000, Parcel ID Number: R05006-001-006-000

Overlay District(s) Designation: N/A Building Setbacks:

25' Front Setback, 0' Sideyard Setback, 15' Rear Setback

132' Front Setback, 71' Side Setback (E), 393' Side Setback (W), 16' Rear Setback Provided Total Amount of Acreage within

the Project Boundaries: Total Amount of Acreage within 9.12 AC (397,267 SF) the Site Boundaries:

Building Footprint Size:

Zoning District(s):

3,870 (1) + 2,467 (2) + 13,832 (3) + 3,709 (4) = 23,878 Total SFExisting: (2,467)(2) + 13,832(3) + 10,810(4) + 204(5) + 636(6) = 27,949 Total SF

Building Lot Coverage Calculations: 0.06 Percent Covered Existing: 0.07 Percent Covered Proposed:

Number of Units: Existing Buildings on Site: Existing Building to

1 (3,709 SF) be Demolished: 3 (11,650 SF) Proposed Buildings:

Building Construction Type: Bldg. #1 (To Be Demolished) - 13'-1", Bldg. #2- 14'-6", Bldg. #3-14'-7", Bldg. Building Height(s):

#4- 26'-0", Bldg. #5- 12'-0", Bldg. #6 12'-8"

1 (new and existing buildings) Number of Stories:

Total Amount of Impervious Area:

Before Development: 241,742 (Pavement)* + 23,878 (Bldg.) + 160 (Sidewalk) = 265,780 SF After Development: (195,782 (Pavement)* + 27,949 (Bldg.) + 11,981 (Sidewalk) = 235,712 SF) (*Includes 46,218 sf of pavement in rear lot on County side of property.

Percent Impervious: Before Development: 66.9 %

(After Development: 59.3 % A Off Street Parking Calculations:

Required Parking: 1 space per 500 SF of building area $(27,949 / 500 = 56 \text{ spaces}) \triangle$

5 Spaces (2 Van Accessible) 398 Spaces

Total Parking: 480 Spaces 444

Basis of Determination: Wilmington Code of Ordinances, Chapter 18, Article 9, Section 18—532, Parking Schedule (Automotive dealers use)

process.

Bicycle Parking Calculations:

Required Parking: 5 (5 for the first 25 parking spots, plus 5 per 100 additional parking spots) Proposed Parking: 8 Basis of Determination: Wilmington Code of Ordinances, Chapter 18, Artical 9, Section 18—528

CAMA Land Use Classification: Urban

1. Entire site (Phase 1 and 2) shall have a 1" mill and overlay completed prior to Phase 2 completion. Contractor shall include a full site restriping. Any proposed signage shall be approved under a separate sign permit

ALTERNATE PRICE NOTE

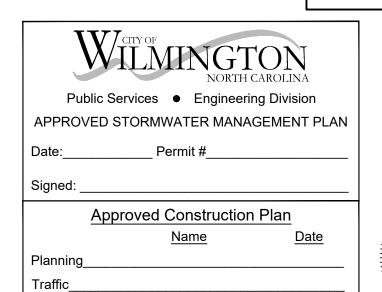
Contractor to provide alternate bid for full depth HD paving on entire width of drives as delineated per this Sheet. Detail per Sheet C7.0.

> MECHWART HAMBLETON &

> TILTON, INC.

PHASING NOTE

Phase Line is approximate. Contractor to coordinate with owner for location of temporary fencing, gate locations, delivery access, etc. throughout construction. Modifications to the phase line can be incorporated by the contractor with approvals by the owner/owner's representative and local agencies (City of Wilmington, NCDOT etc.) if required.



DATE **April 17, 2019** SCALE

1'' = 60' JOB NO.

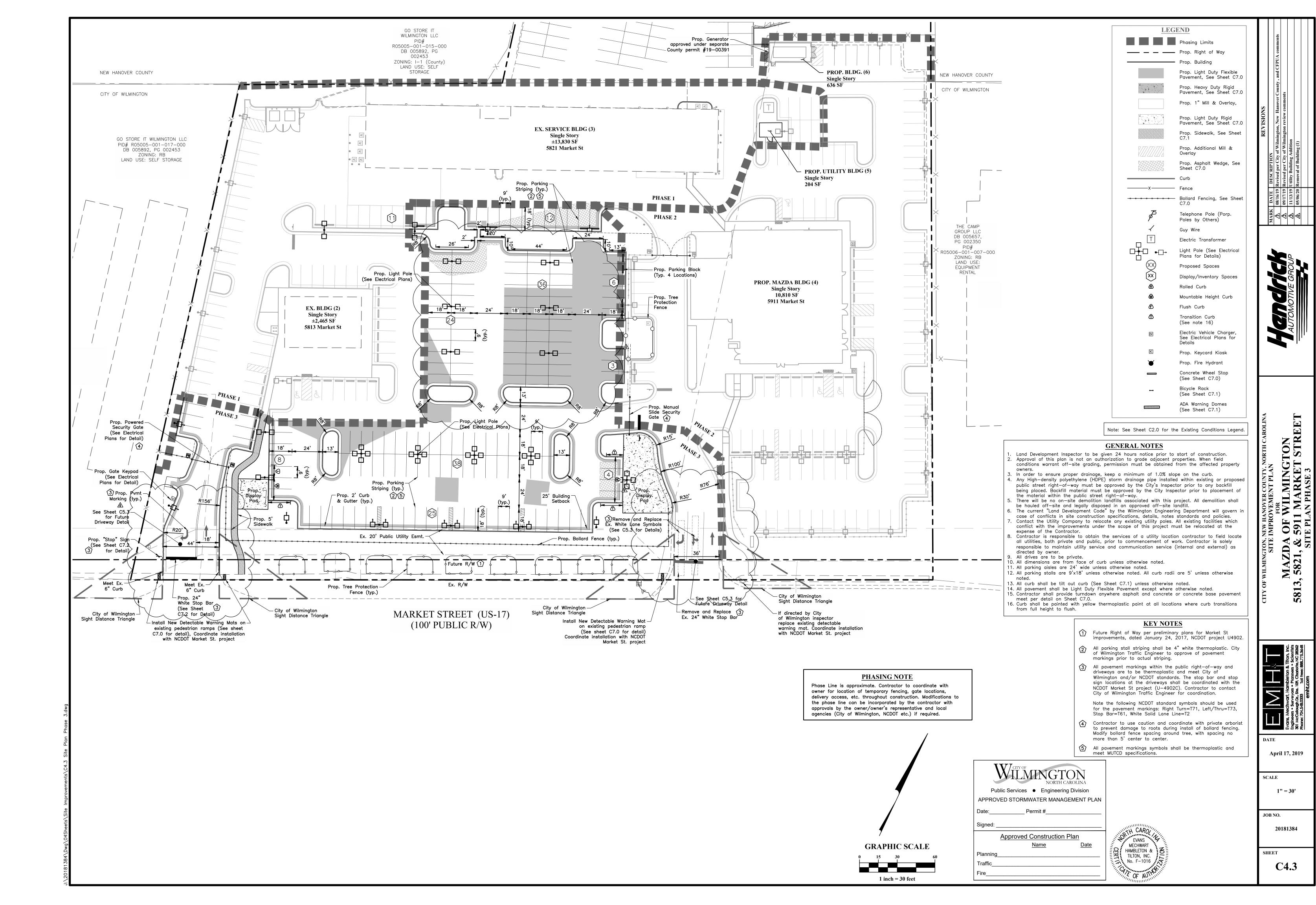
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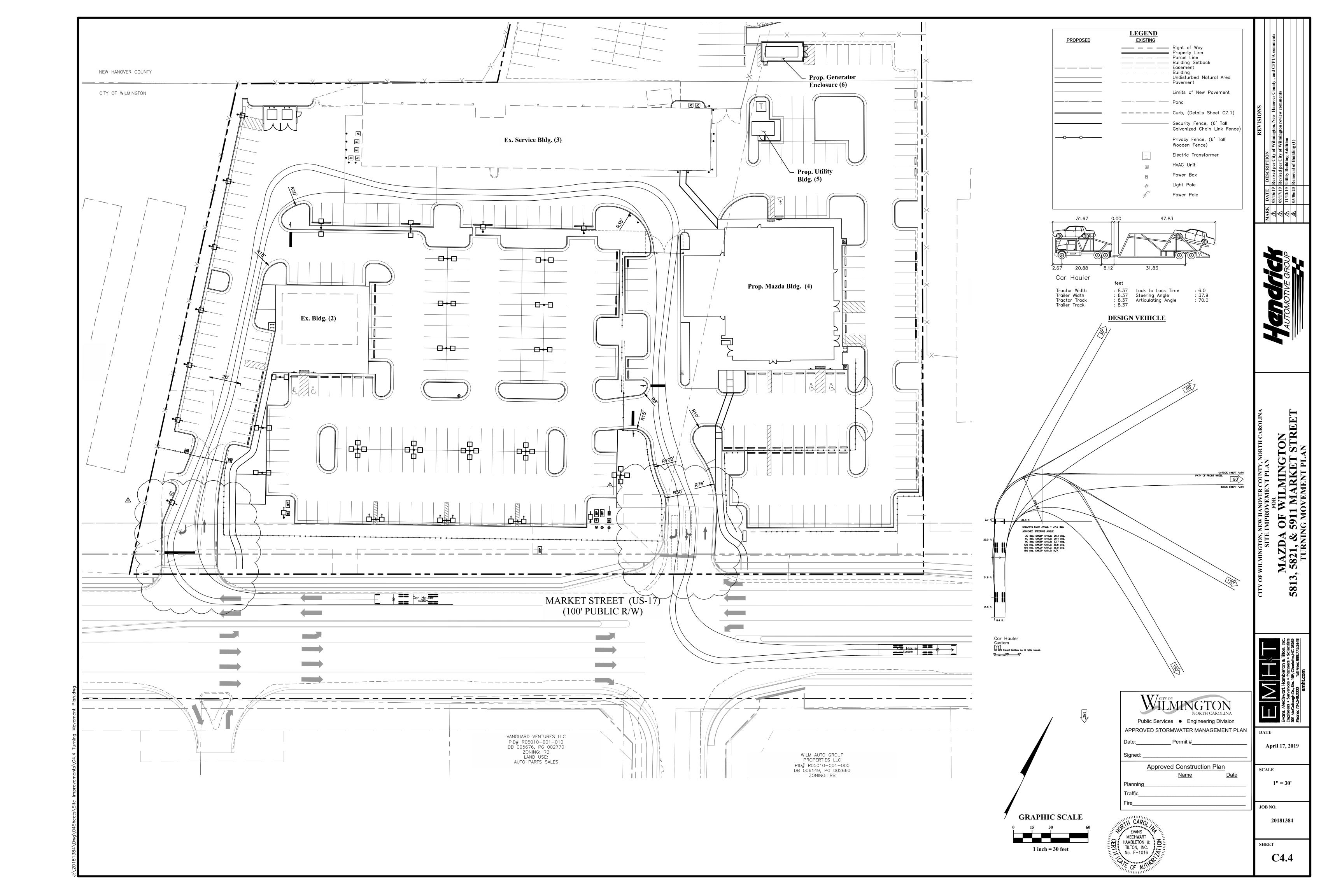
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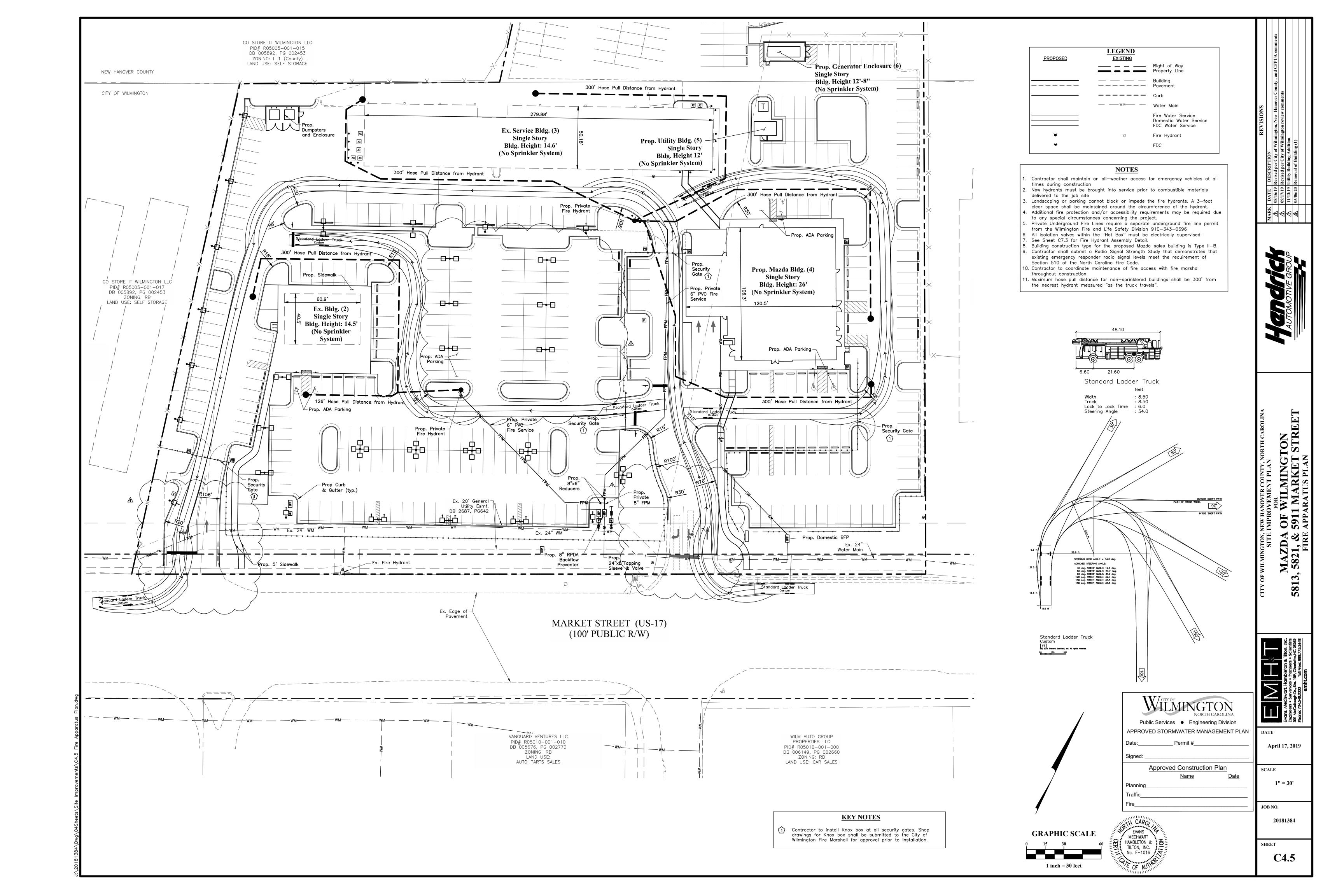
C4.0

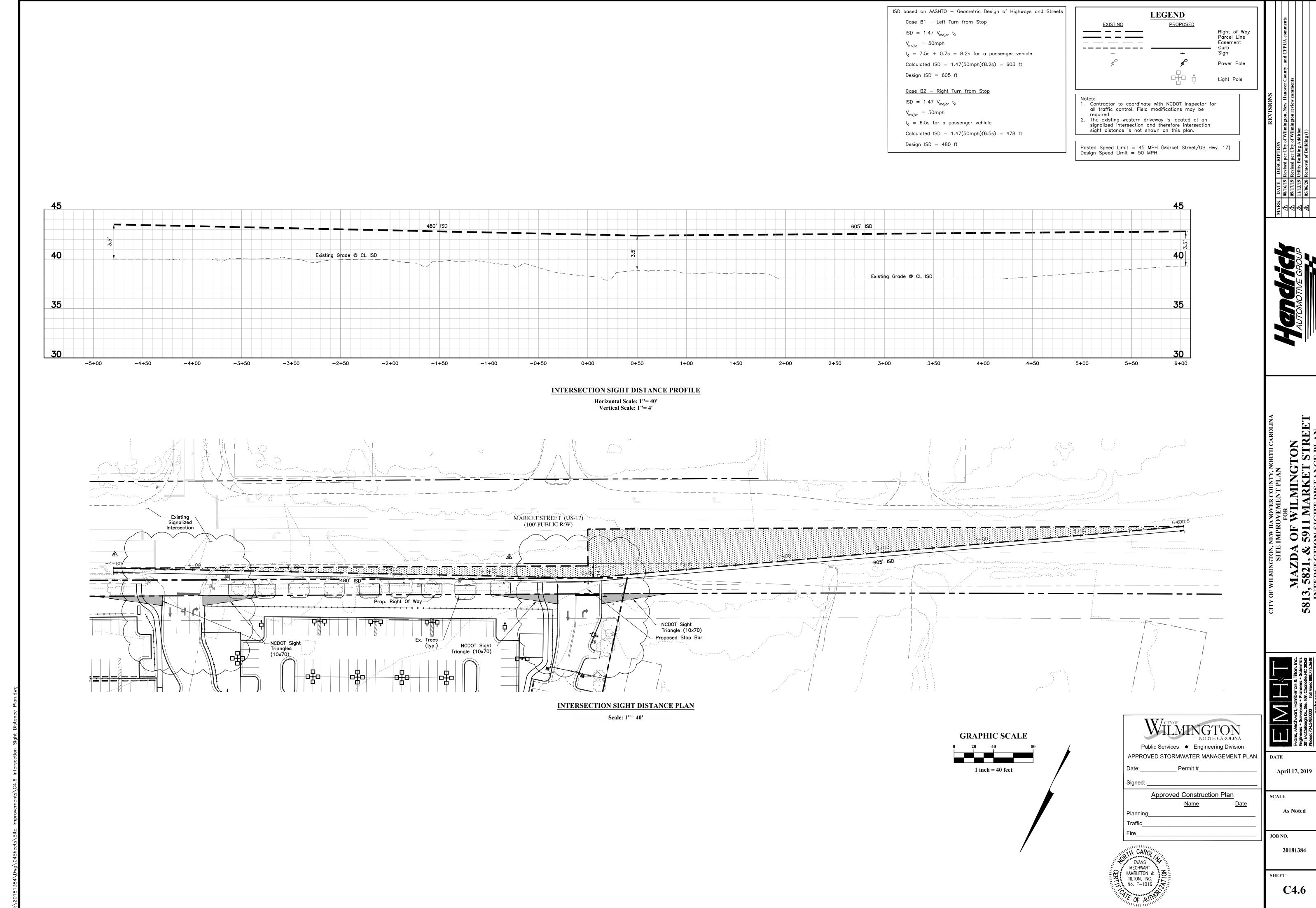
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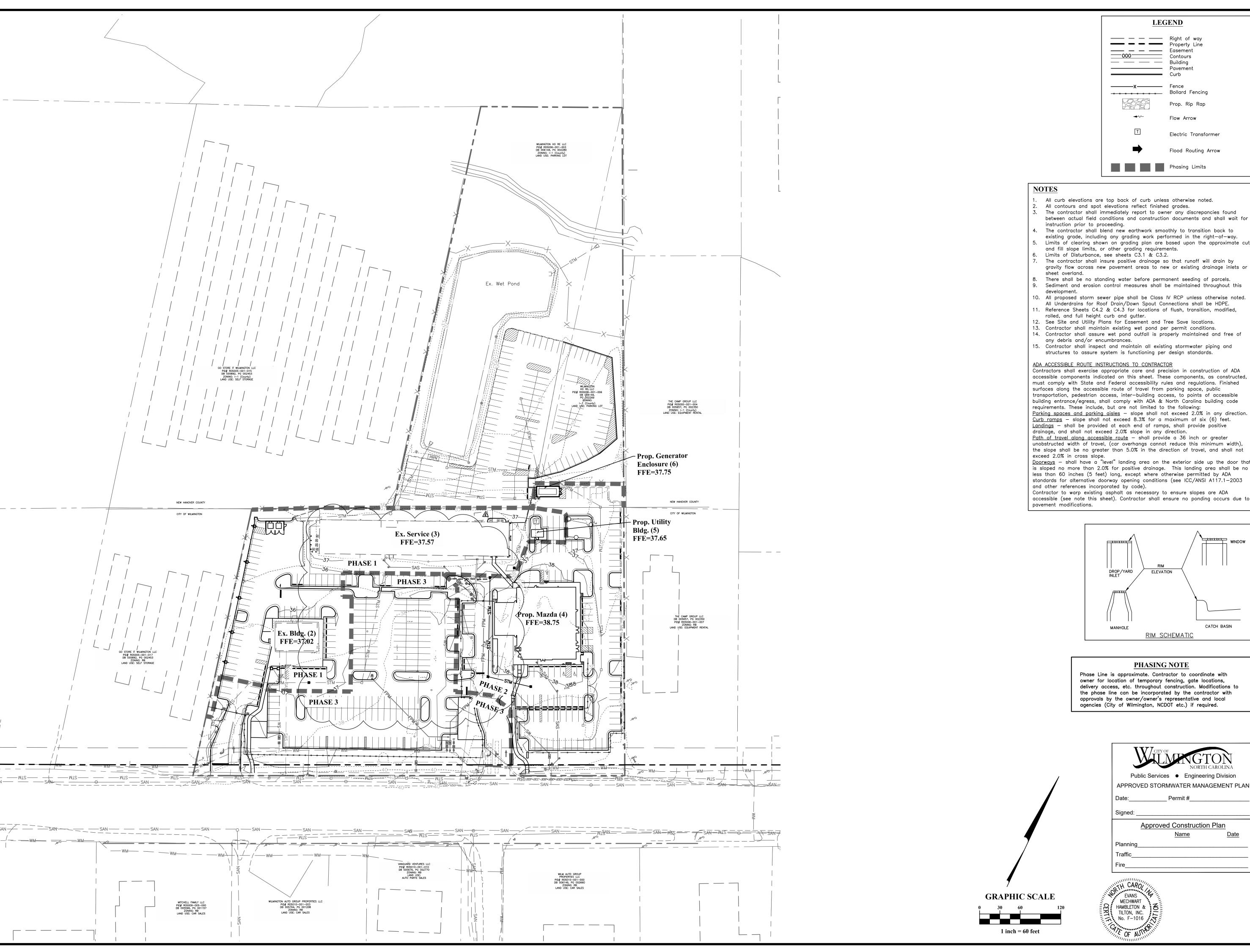


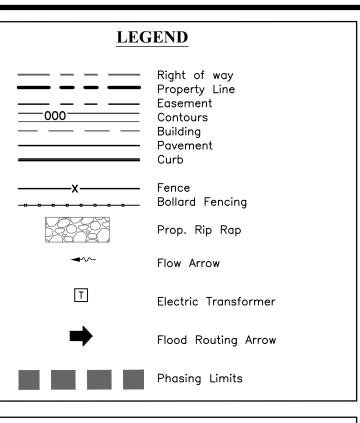
April 17, 2019

As Noted

20181384

C4.6





- All curb elevations are top back of curb unless otherwise noted.
- All contours and spot elevations reflect finished grades. The contractor shall immediately report to owner any discrepancies found between actual field conditions and construction documents and shall wait for
- The contractor shall blend new earthwork smoothly to transition back to
- existing grade, including any grading work performed in the right—of—way. Limits of clearing shown on grading plan are based upon the approximate cut and fill slope limits, or other grading requirements.
- The contractor shall insure positive drainage so that runoff will drain by gravity flow across new pavement areas to new or existing drainage inlets or
- There shall be no standing water before permanent seeding of parcels.
- Sediment and erosion control measures shall be maintained throughout this
- 10. All proposed storm sewer pipe shall be Class IV RCP unless otherwise noted. All Underdrains for Roof Drain/Down Spout Connections shall be HDPE. 11. Reference Sheets C4.2 & C4.3 for locations of flush, transition, modified,
- rolled, and full height curb and gutter. 12. See Site and Utility Plans for Easement and Tree Save locations.
- 13. Contractor shall maintain existing wet pond per permit conditions.
- any debris and/or encumbrances. 15. Contractor shall inspect and maintain all existing stormwater piping and
- structures to assure system is functioning per design standards.

ADA ACCESSIBLE ROUTE INSTRUCTIONS TO CONTRACTOR

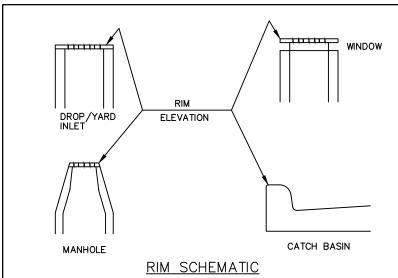
accessible components indicated on this sheet. These components, as constructed, must comply with State and Federal accessibility rules and regulations. Finished surfaces along the accessible route of travel from parking space, public transportation, pedestrian access, inter-building access, to points of accessible building entrance/egress, shall comply with ADA & North Carolina building code requirements. These include, but are not limited to the following:

<u>Curb ramps</u> — slope shall not exceed 8.3% for a maximum of six (6) feet. <u>Landings</u> — shall be provided at each end of ramps, shall provide positive drainage, and shall not exceed 2.0% slope in any direction.

<u>Path of travel along accessible route</u> — shall provide a 36 inch or greater unobstructed width of travel, (car overhangs cannot reduce this minimum width), the slope shall be no greater than 5.0% in the direction of travel, and shall not

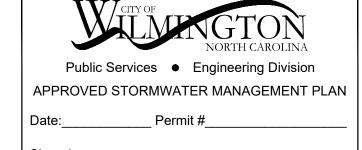
<u>Doorways</u> — shall have a "level" landing area on the exterior side up the door that is sloped no more than 2.0% for positive drainage. This landing area shall be no less than 60 inches (5 feet) long, except where otherwise permitted by ADA standards for alternative doorway opening conditions (see ICC/ANSI A117.1-2003 and other references incorporated by code).

Contractor to warp existing asphalt as necessary to ensure slopes are ADA accessible (see note this sheet). Contractor shall ensure no ponding occurs aue



PHASING NOTE

Phase Line is approximate. Contractor to coordinate with owner for location of temporary fencing, gate locations, delivery access, etc. throughout construction. Modifications to the phase line can be incorporated by the contractor with approvals by the owner/owner's representative and local agencies (City of Wilmington, NCDOT etc.) if required.



Approved Construction Plan

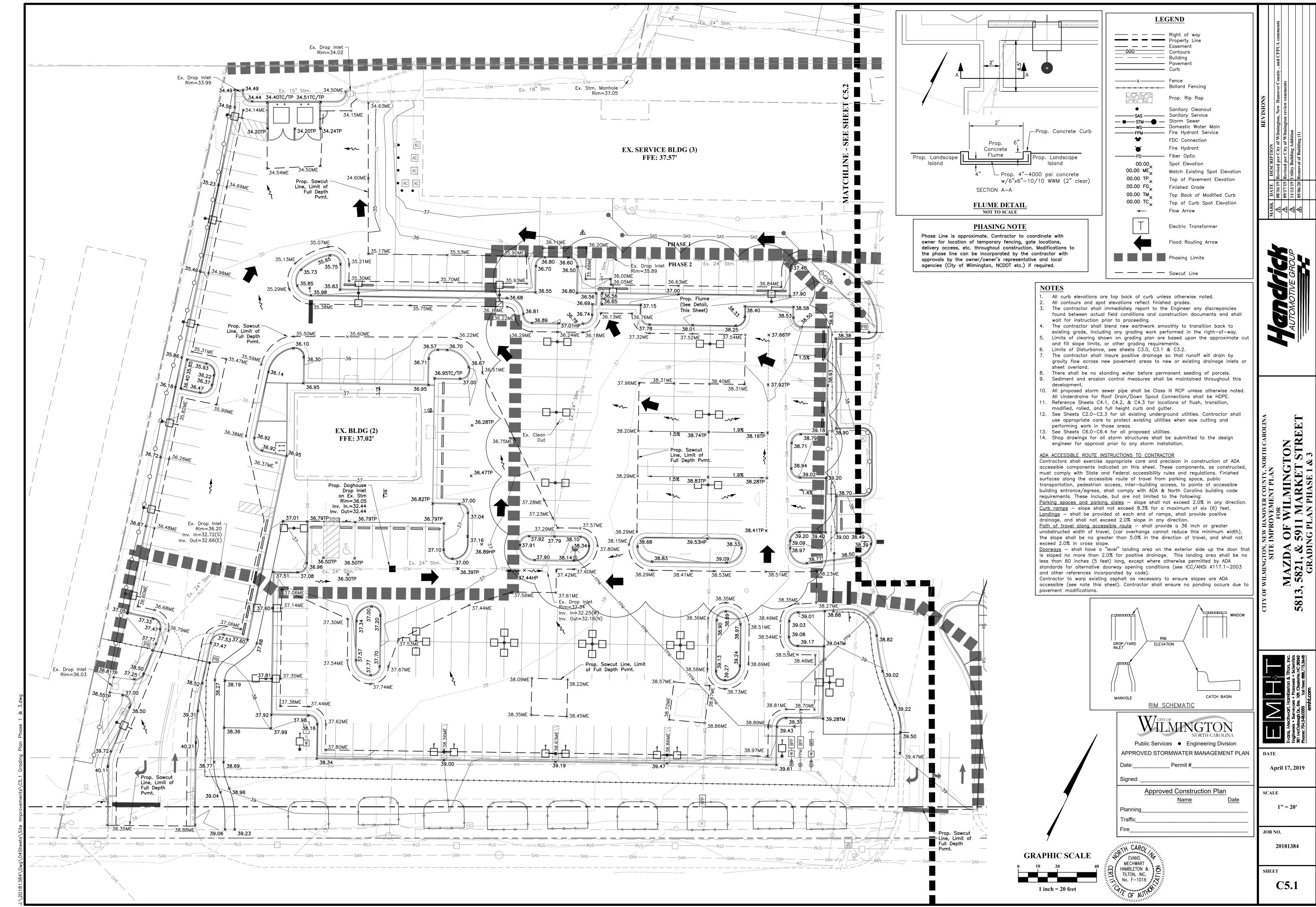


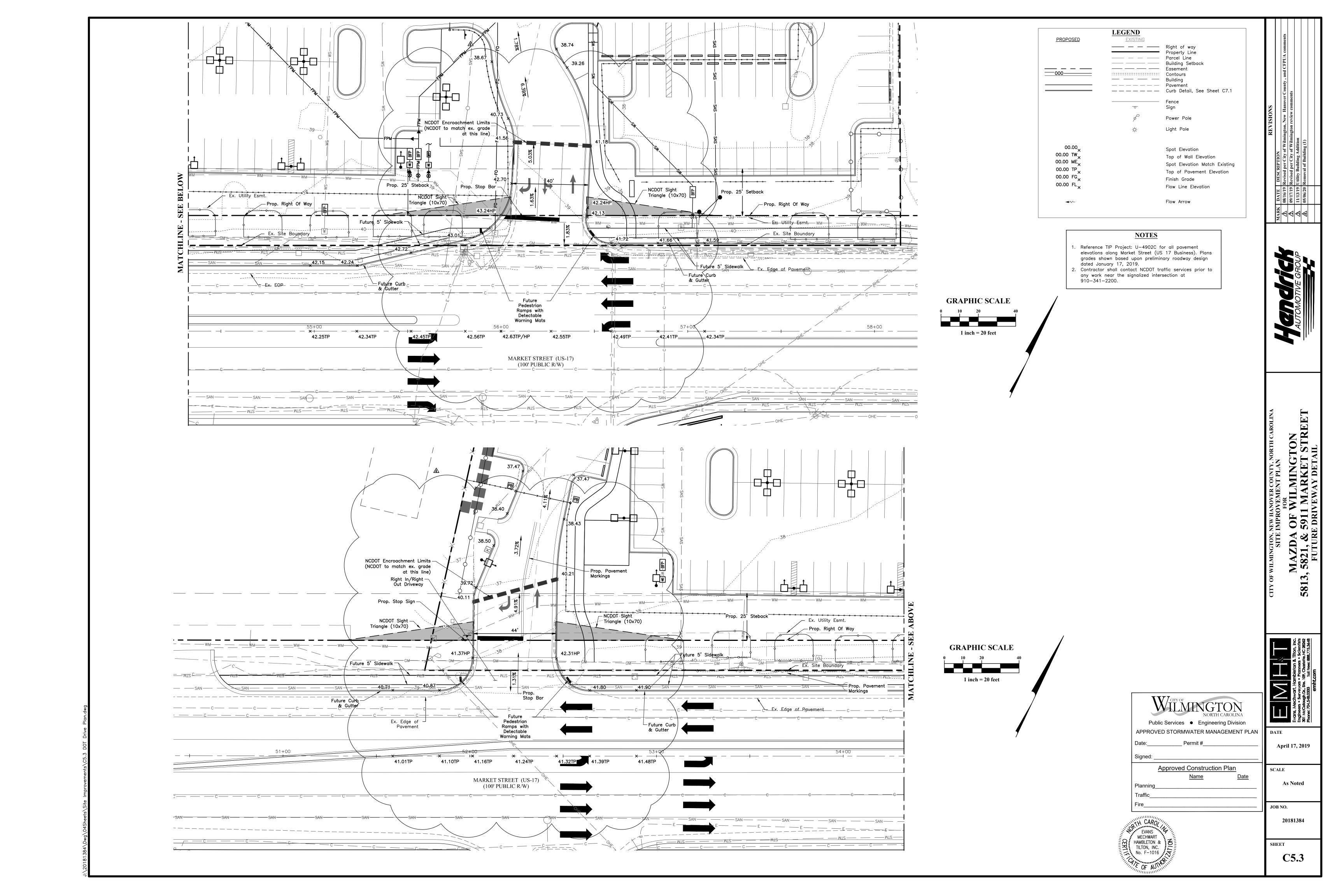
April 17, 2019 SCALE 1'' = 60'

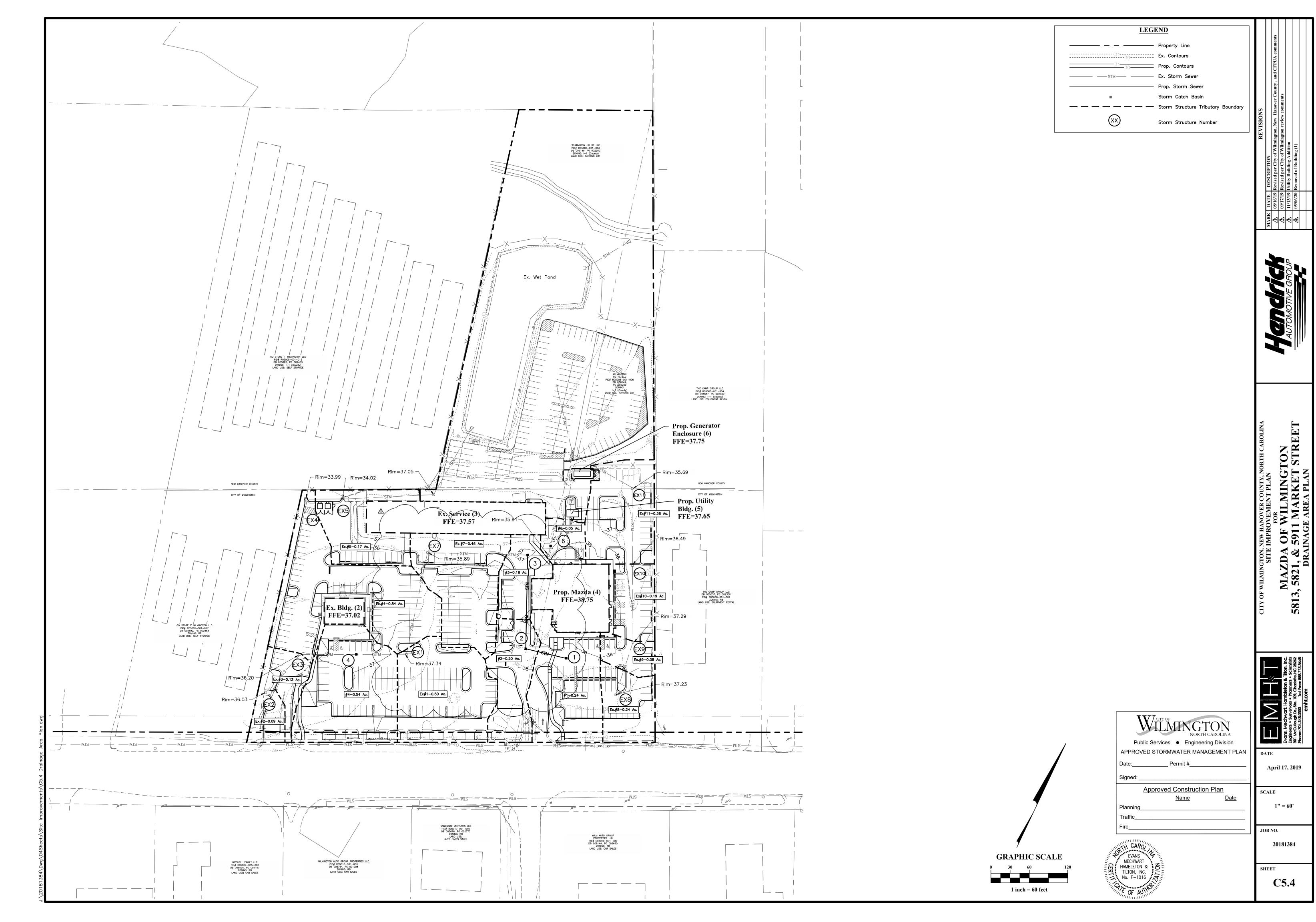
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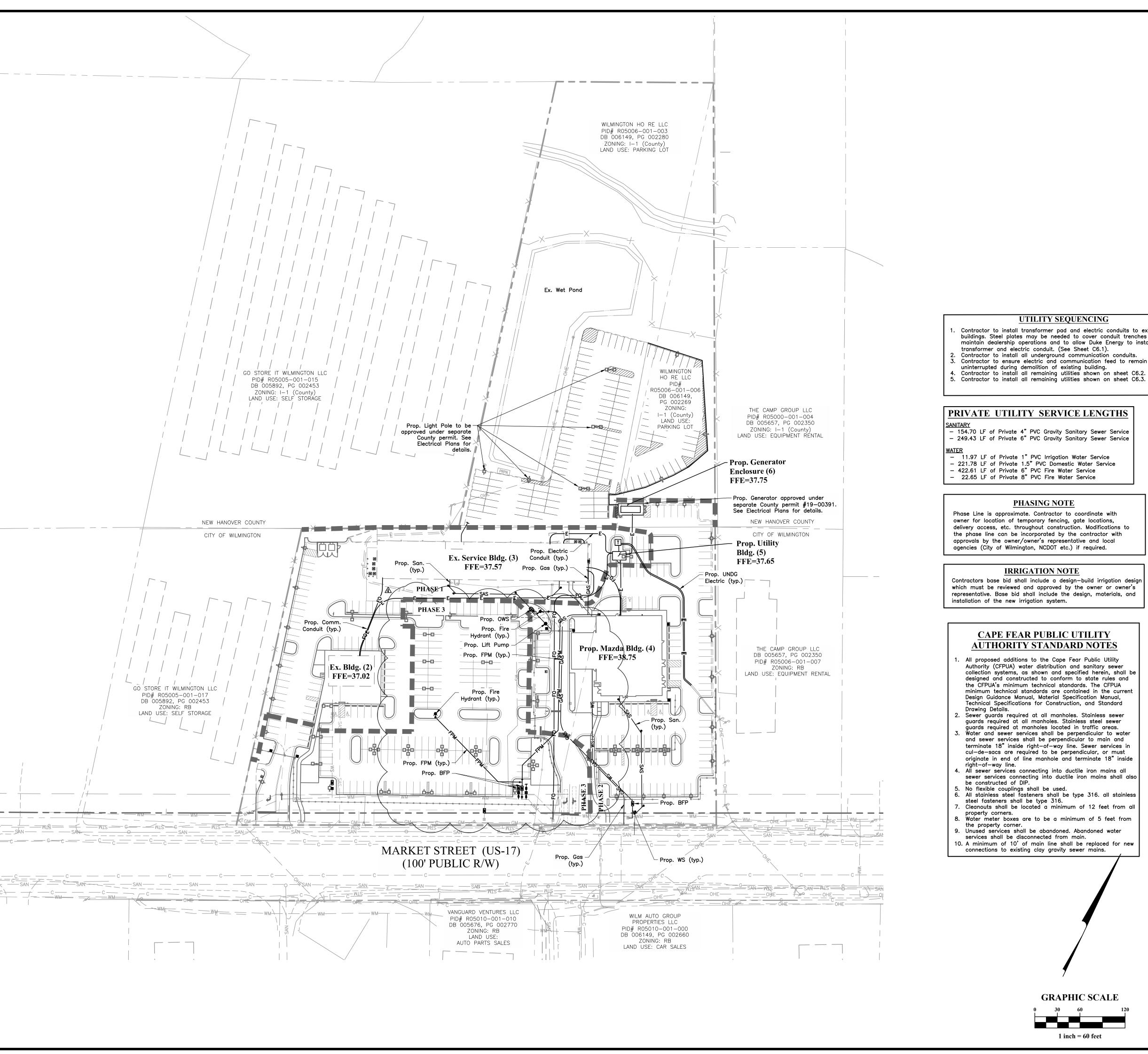
JOB NO. 20181384

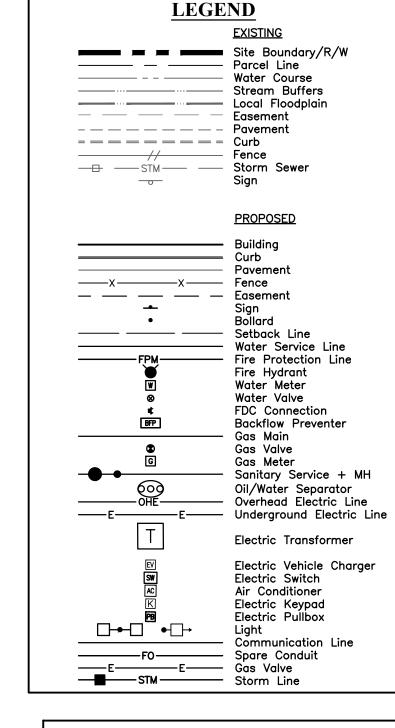
SHEET C5.0











Note: See Sheets C2.0 for Overall Existing Conditions

GENERAL UTILITY NOTES

- All disturbed areas to be seeded as soon as practically possible, but in no case shall the seeding take longer than 14 days after the construction activity has temporarily or permanently ceased.
- All excavation for the utilities is unclassified. When excavating, remove all materials of whatever substance is
- encountered. The Contractor shall carefully study and compare the construction documents and shall immediately report to the Engineer any discrepancies or omissions discovered on the plans or at the site. The Contractor shall take field

measurements to verify that all locations are correct prior

- to commencing construction. Contractor to provide the Engineer a set of marked up construction drawings indicating the as-built location of the sewer, storm and water systems. All features (i.e. bends, valves, manholes, etc.) shall be located to known,
- objects in the field by 2 points). All materials, construction, and plans are to comply with current City of Wilmington Standards, Cape Fear Public Utility Authority Standard Technical Specifications and Cape Fear Public Utility Authority Materials and Specifications
- Contact 811 a minimum of 72 hours before digging. Contractor shall verify location of all existing underground utilities and required relocations, prior to beginning work, both public and private. Contractor is fully responsible for all underground utilities and shall repair any damage as
- result of this contract. 8. Contractor shall ensure utility removal, abandonment, or
- installation shall not disrupt normal operations. Contractor shall coordinate all utility work with utility providers. 9. All work to be accomplished in strict accordance with all Local Ordinances, City and State.
- 10. Backfill all excavations resulting from the Demolition Work to meet the requirements for fill determined by a site
- soils engineer. 1. No demolition prior to pre construction meeting. Demolition
- prior to pre construction meeting and grading permit will be subject to immediate civil penalties. 12. Proposed Signs, Lighting & Landscaping will be designed in accordance with the City of Wilmington Standards and
- 13. See Sheets C5.0 C5.2 for Storm Sewer Specifications. 14. Reference Electrical Plans for size and number of conduits.

Public Services • Engineering Division

Approved Construction Plan

<u>Name</u>

Signed:

Planning

EVANS

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TILTON, INC.

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Evans, Mechwart, Hambleton & Tilton, Inc. Engineers • Surveyors • Planners • Scientists 301 McCallough Dr., Ste. 109, Charlotte, NC 28282 Phone: 704.548.0333 Toll Fee: 888.775.3648 emht.com	
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APPROVED STORMWATER MANAGEMENT PLAN DATE **April 17, 2019**

SCALE

1'' = 60'

JOB NO. 20181384

<u>Date</u>

SHEET

C6.0

Contractor to install transformer pad and electric conduits to existing buildings. Steel plates may be needed to cover conduit trenches to maintain dealership operations and to allow Duke Energy to install new transformer and electric conduit. (See Sheet C6.1). Contractor to install all underground communication conduits.

- . Contractor to ensure electric and communication feed to remain uninterrupted during demolition of existing building. Contractor to install all remaining utilities shown on sheet C6.2.
- PRIVATE UTILITY SERVICE LENGTHS

- 154.70 LF of Private 4" PVC Gravity Sanitary Sewer Service - 249.43 LF of Private 6" PVC Gravity Sanitary Sewer Service

- 11.97 LF of Private 1" PVC Irrigation Water Service

- 221.78 LF of Private 1.5" PVC Domestic Water Service - 422.61 LF of Private 6" PVC Fire Water Service

PHASING NOTE

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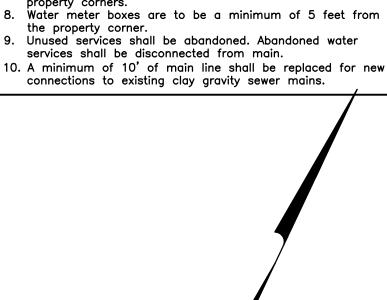
IRRIGATION NOTE

Contractors base bid shall include a design—build irrigation design which must be reviewed and approved by the owner or owner's representative. Base bid shall include the design, materials, and

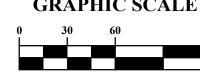
CAPE FEAR PUBLIC UTILITY AUTHORITY STANDARD NOTES

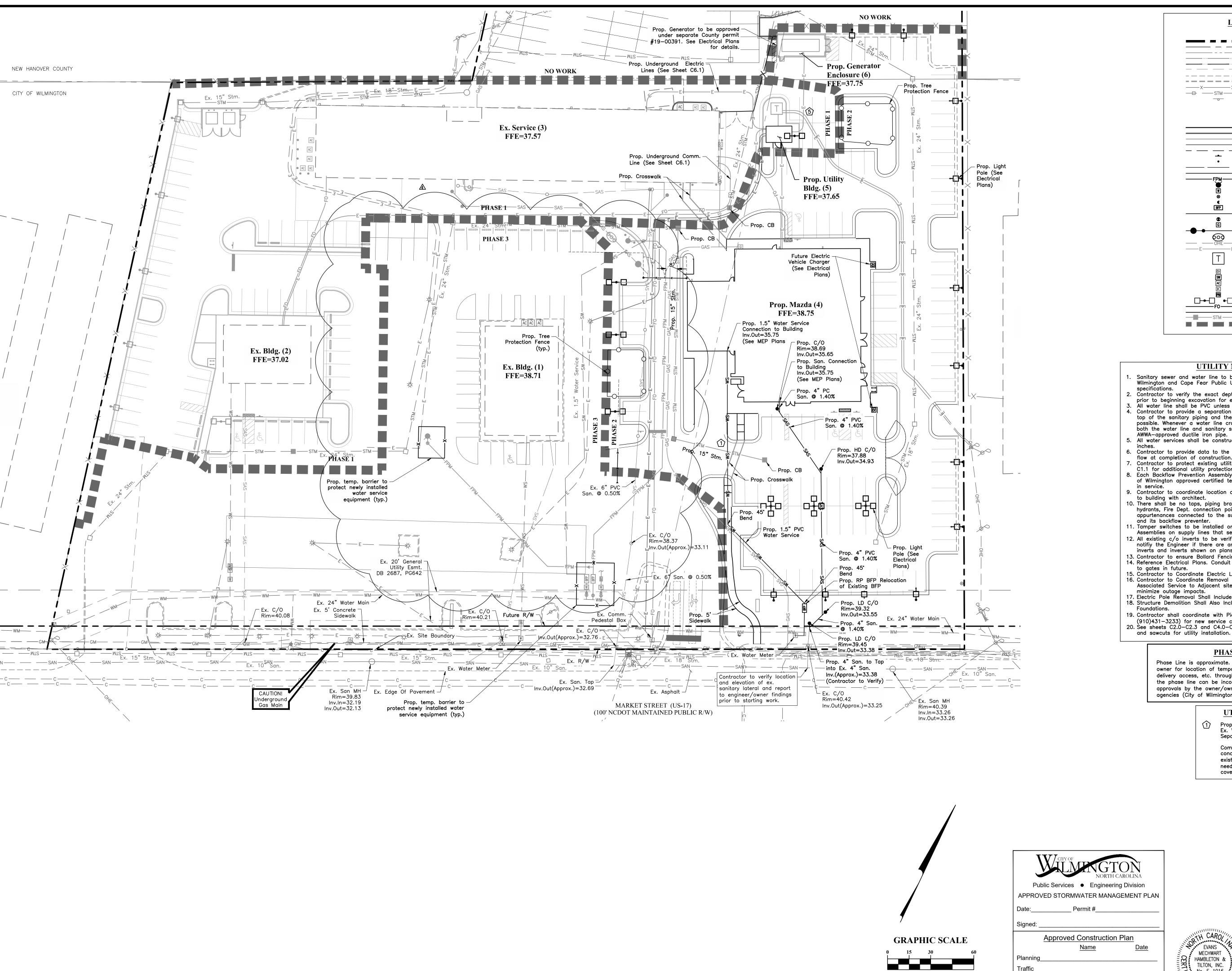
- All proposed additions to the Cape Fear Public Utility Authority (CFPUA) water distribution and sanitary sewer collection systems, as shown and specified herein, shall be designed and constructed to conform to state rules and the CFPUA's minimum technical standards. The CFPUA minimum technical standards are contained in the current Design Guidance Manual, Material Specification Manual, Technical Specifications for Construction, and Standard
- guards required at manholes located in traffic areas. Water and sewer services shall be perpendicular to water and sewer services shall be perpendicular to main and terminate 18" inside right-of-way line. Sewer services in cul-de-sacs are required to be perpendicular, or must originate in end of line manhole and terminate 18" inside
- right—of—way line.

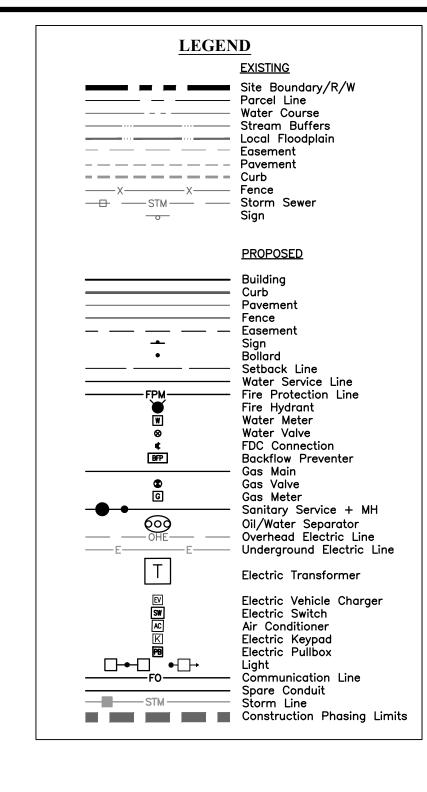
 4. All sewer services connecting into ductile iron mains all sewer services connecting into ductile iron mains shall also be constructed of DIP.
- Cleanouts shall be located a minimum of 12 feet from all
- D. Unused services shall be abandoned. Abandoned water
- services shall be disconnected from main.



GRAPHIC SCALE







UTILITY NOTES

- Sanitary sewer and water line to be constructed to the City of Wilmington and Cape Fear Public Utility Authority standards and specifications.
- Contractor to verify the exact depth and location of all existing utilities, prior to beginning excavation for existing utilities.
 All water line shall be PVC unless otherwise noted on plans.
- Contractor to provide a separation of at least 18 inches between the top of the sanitary piping and the bottom of the water line whenever possible. Whenever a water line crosses underneath a sanitary sewer both the water line and sanitary sewer shall be constructed of
- AWWA-approved ductile iron pipe. 5. All water services shall be constructed with a minimum cover of 36
- 6. Contractor to provide data to the City of Wilmington that shows fire
- flow at completion of construction.
 Contractor to protect existing utilities throughout construction. See sheet
- C1.1 for additional utility protection notes. 8. Each Backflow Prevention Assembly is required to be tested by the City of Wilmington approved certified test prior to placing the water system in service.

 9. Contractor to coordinate location of connection of proposed water main
- to building with architect.

 10. There shall be no taps, piping branches, unapproved bypass piping,
- hydrants, Fire Dept. connection points, or other water—using appurtenances connected to the supply line between any water meter and its backflow preventer.
- 11. Tamper switches to be installed on gate valves of Backflow Preventior Assemblies on supply lines that serve fire sprinkler systems. 12. All existing c/o inverts to be verified by the contractor. Contractor shall notifiy the Engineer if there are any discrepancies between field verified
- inverts and inverts shown on plans. 13. Contractor to ensure Bollard Fencing Gap at sidewalks is less than 6'.
- 14. Reference Electrical Plans. Conduit to be run to provide possible power to gates in future.
- 15. Contractor to Coordinate Electric Line Removal with Utility Provider.16. Contractor to Coordinate Removal of Existing Electric Pole and Associated Service to Adjacent site with Provider and Property owner to
- minimize outage impacts.

 17. Electric Pole Removal Shall Include All Underground Facilities. 18. Structure Demolition Shall Also Include All Below Grade Structures and
- Foundations. 19. Contractor shall coordinate with Piedmont Natural Gas (DJ Mededros
- (910)431-3233) for new service connection. 20. See sheets C2.0-C2.3 and C4.0-C4.3 for locations of mill and overlay

PHASING NOTE

MECHWART HAMBLETON & TILTON, INC.

TILTON, INC.
No. F-1016

1 inch = 30 feet

Phase Line is approximate. Contractor to coordinate with owner for location of temporary fencing, gate locations, delivery access, etc. throughout construction. Modifications to the phase line can be incorporated by the contractor with approvals by the owner/owner's representative and local agencies (City of Wilmington, NCDOT etc.) if required.

UTILITY CROSSINGS

1 Prop. 15" Stm. Top

Ex. Water Service Bottom = 35.04 = 1.20 Separation

Communications and Underground Electric conduit to be installed above or below existing and/or proposed utilities as needed but must meet minimum 3' of cover or Duke Energy specifications.



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April 17, 2019

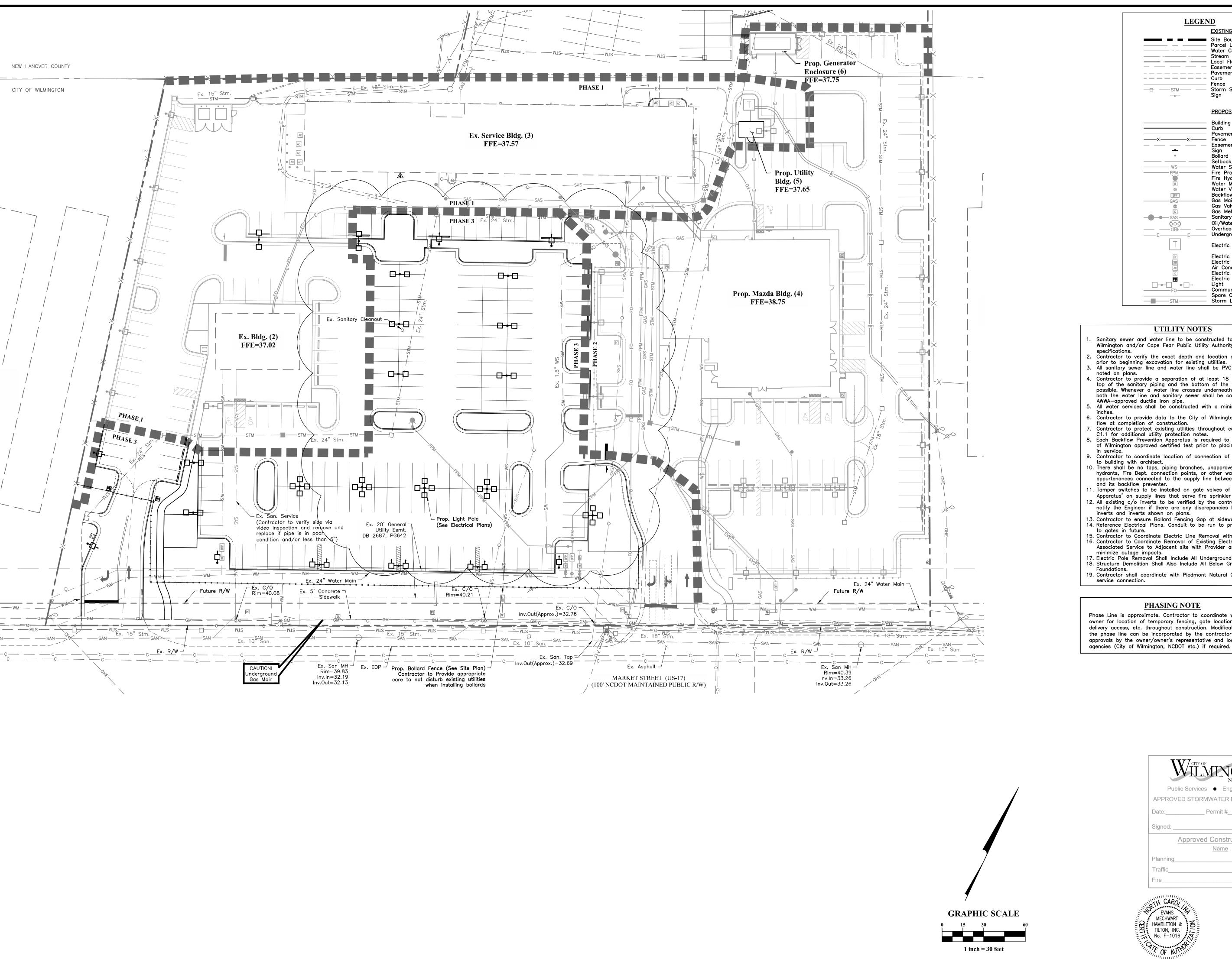
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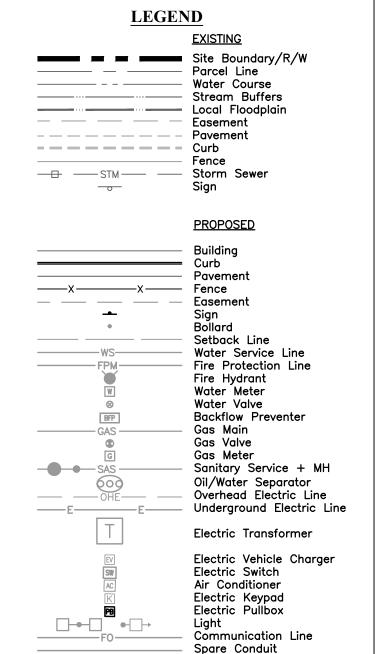
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JOB NO. 20181384

SHEET

C6.3





UTILITY NOTES

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Sanitary sewer and water line to be constructed to the City of Wilmington and/or Cape Fear Public Utility Authority standards and

Storm Line

- 2. Contractor to verify the exact depth and location of all existing utilities prior to beginning excavation for existing utilities.

 All sanitary sewer line and water line shall be PVC unless otherwise
- noted on plans.

 4. Contractor to provide a separation of at least 18 inches between the
- possible. Whenever a water line crosses underneath a sanitary sewer both the water line and sanitary sewer shall be constructed of AWWA—approved ductile iron pipe.

 5. All water services shall be constructed with a minimum cover of 36
- 6. Contractor to provide data to the City of Wilmington that shows fire flow at completion of construction.
- 7. Contractor to protect existing utilities throughout construction. See sheet C1.1 for additional utility protection notes.

 8. Each Backflow Prevention Apparatus is required to be tested by the City
- of Wilmington approved certified test prior to placing the water system
- Service.
 Contractor to coordinate location of connection of proposed water main to building with architect.
 There shall be no taps, piping branches, unapproved bypass piping, hydrants, Fire Dept. connection points, or other water—using
- appurtenances connected to the supply line between any water meter and its backflow preventer.

 11. Tamper switches to be installed on gate valves of Backflow Prevention
- Apparatus' on supply lines that serve fire sprinkler systems. 12. All existing c/o inverts to be verified by the contractor. Contractor shall
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 13. Contractor to ensure Bollard Fencing Gap at sidewalks is less than 6'.

 14. Reference Electrical Plans. Conduit to be run to provide possible power
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- 15. Contractor to Coordinate Electric Line Removal with Utility Provider.
 16. Contractor to Coordinate Removal of Existing Electric Pole and Associated Service to Adjacent site with Provider and Property owner to
- minimize outage impacts.

 17. Electric Pole Removal Shall Include All Underground Facilities as Well.

 18. Structure Demolition Shall Also Include All Below Grade Structures and

Public Services • Engineering Division APPROVED STORMWATER MANAGEMENT PLAN

Permit #

Approved Construction Plan

19. Contractor shall coordinate with Piedmont Natural Gas for new gas

PHASING NOTE

Phase Line is approximate. Contractor to coordinate with owner for location of temporary fencing, gate locations, delivery access, etc. throughout construction. Modifications to the phase line can be incorporated by the contractor with approvals by the owner/owner's representative and local

EVANS

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DATE **April 17, 2019**

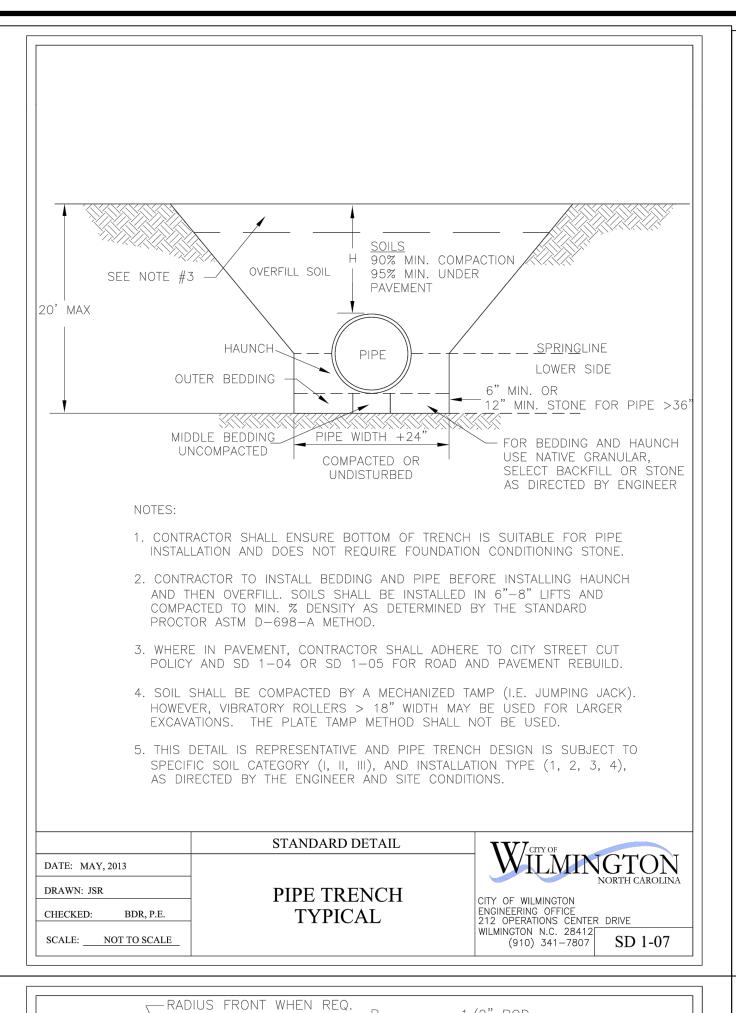
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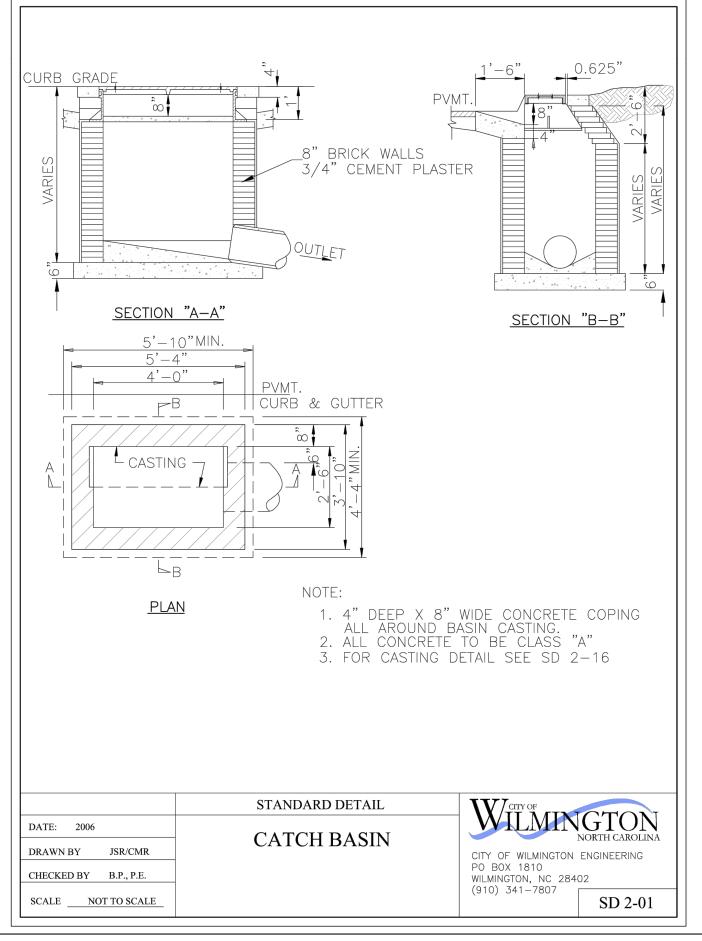
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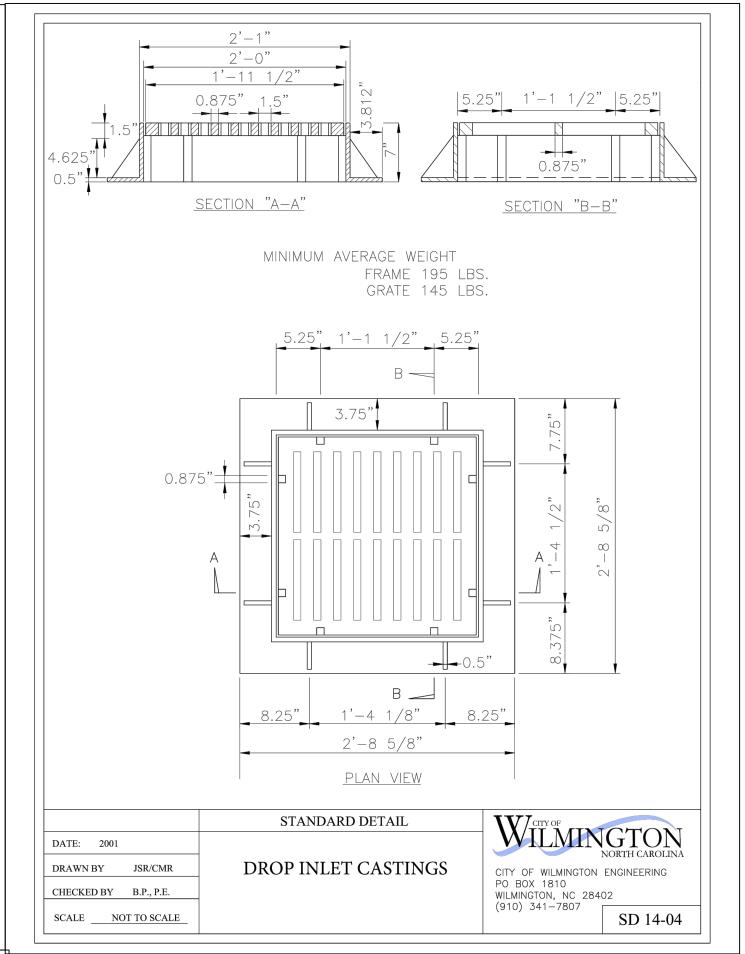
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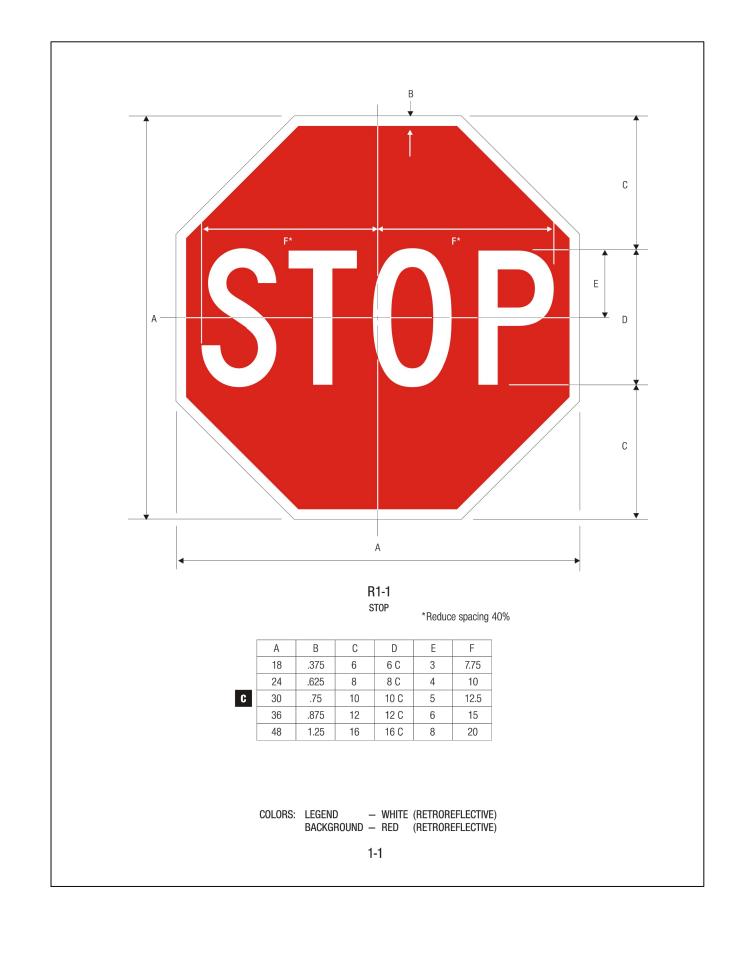
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C6.4

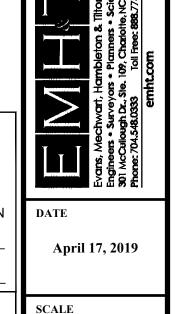






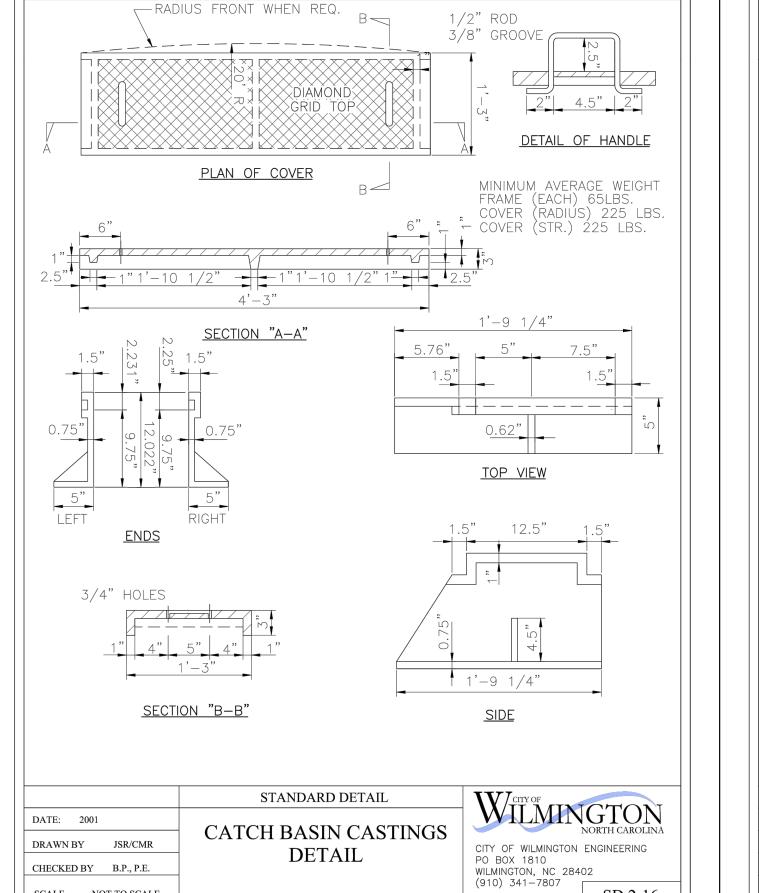






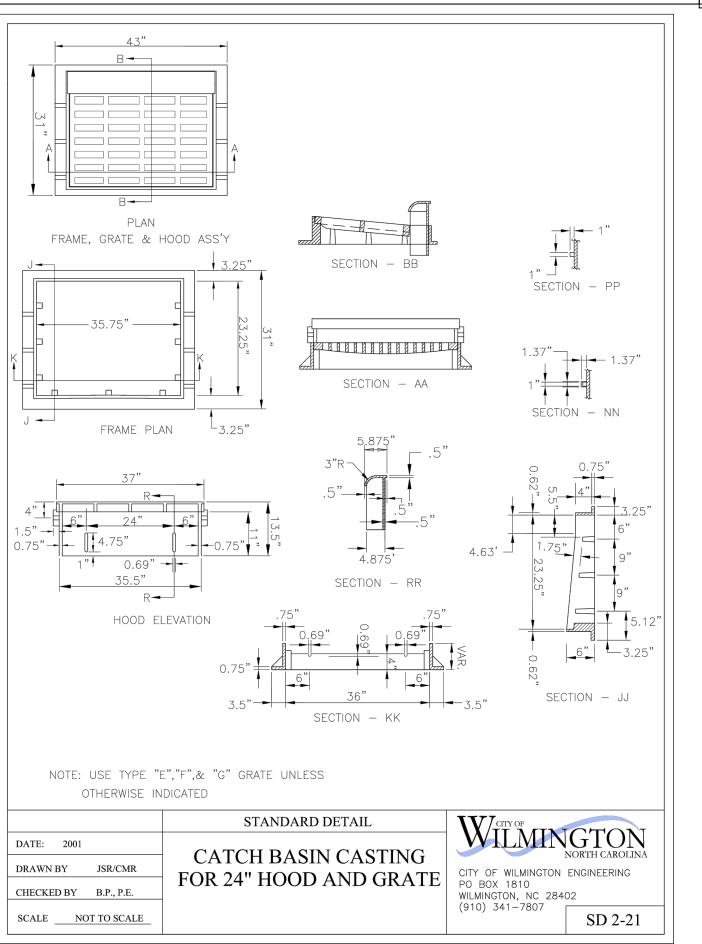
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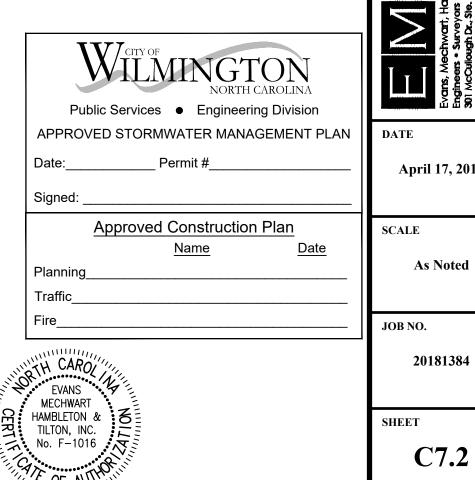
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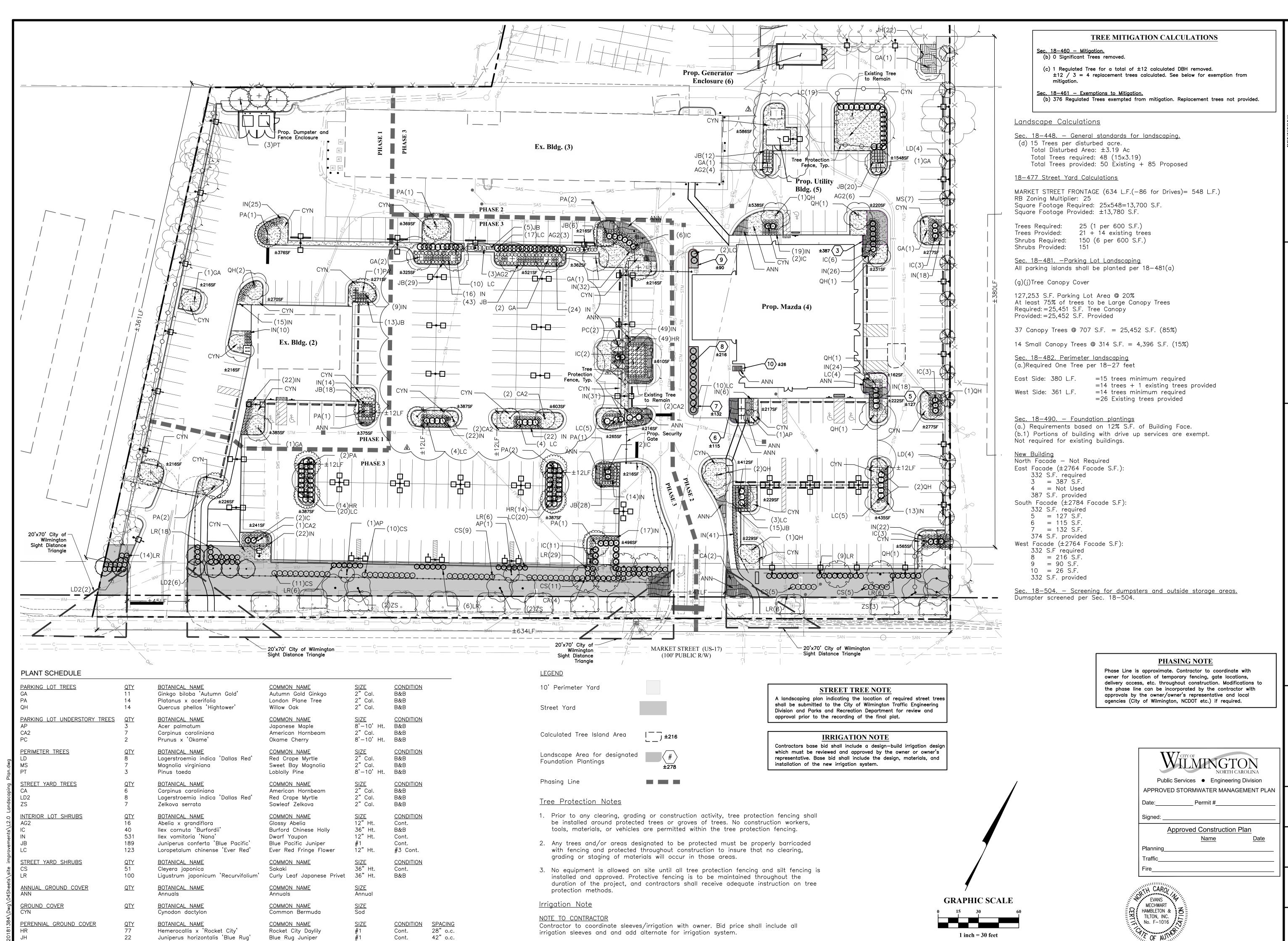
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The referenced details are City of Wilmington standard details. They are not the responsibility or design of the Engineer.



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