

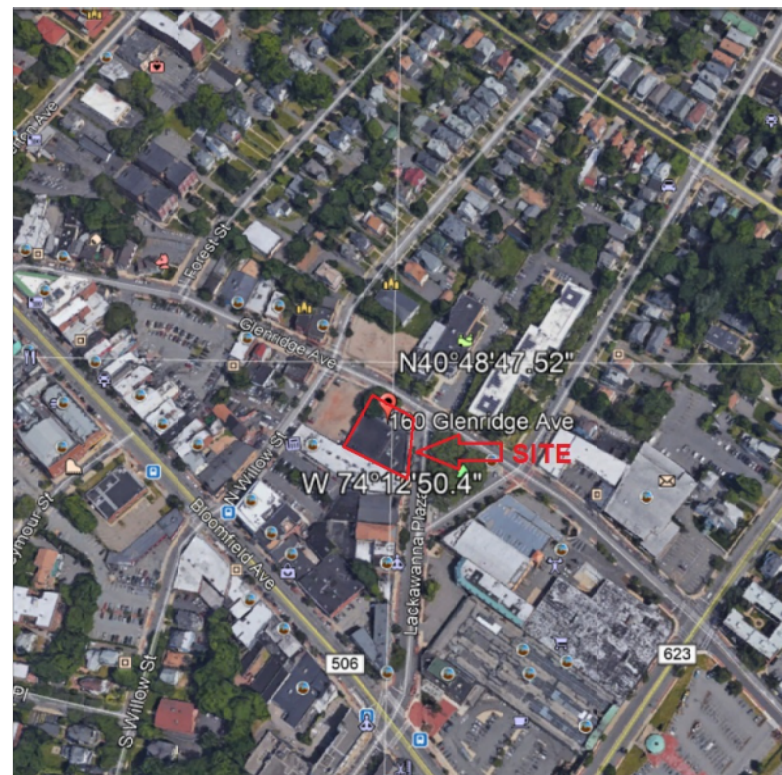
# SITE PLAN

160 GLENRIDGE AVE, MONTCLAIR TOWNSHIP, ESSEX COUNTY, NEW JERSEY (BLOCK 3206 LOT 14)

N.J.D.E.P.  
APPROVAL



AERIAL MAP  
N.T.S.



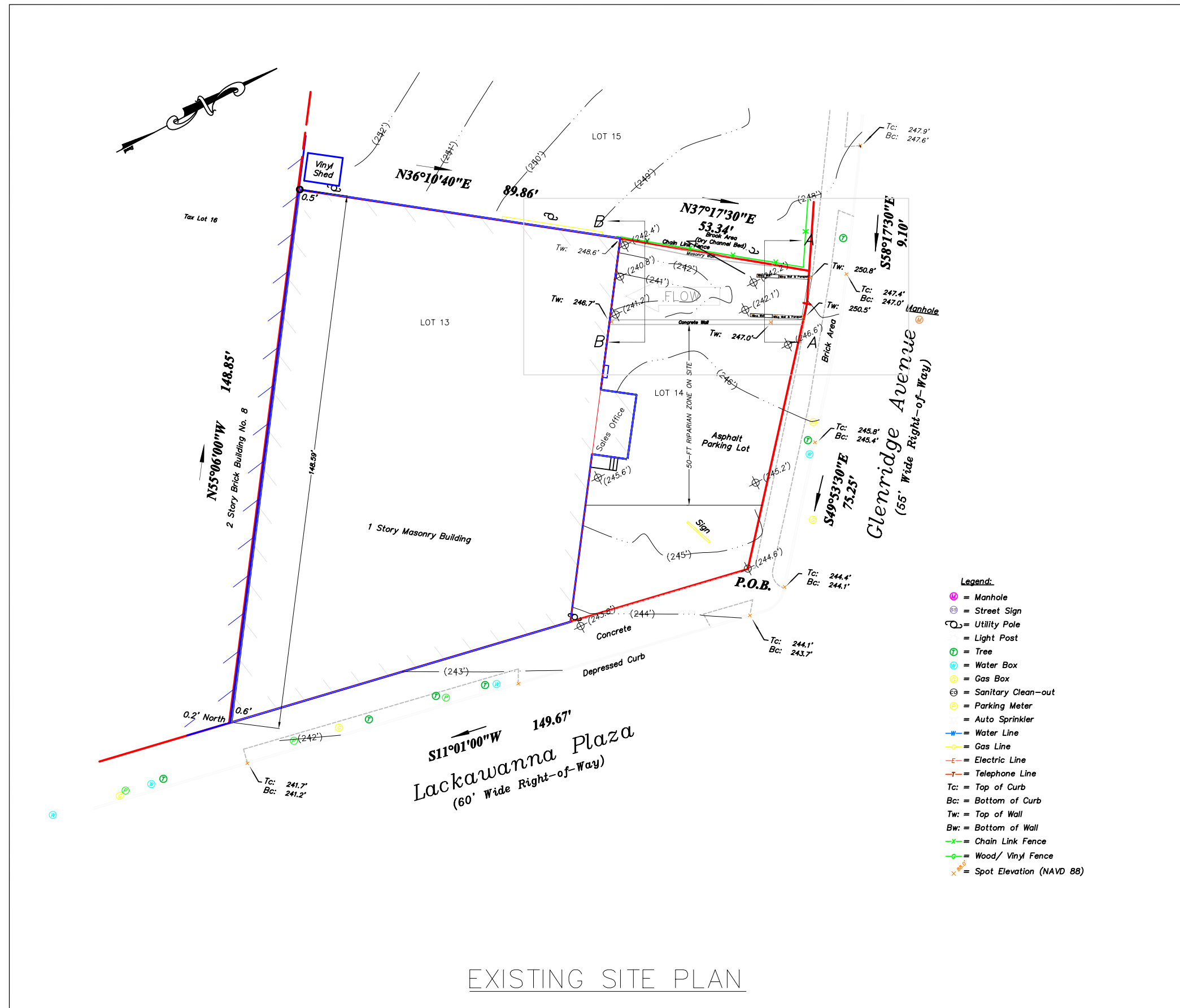
KEY MAP  
N.T.S.



TAX MAP  
N.T.S.



USGS MAP  
N.T.S.



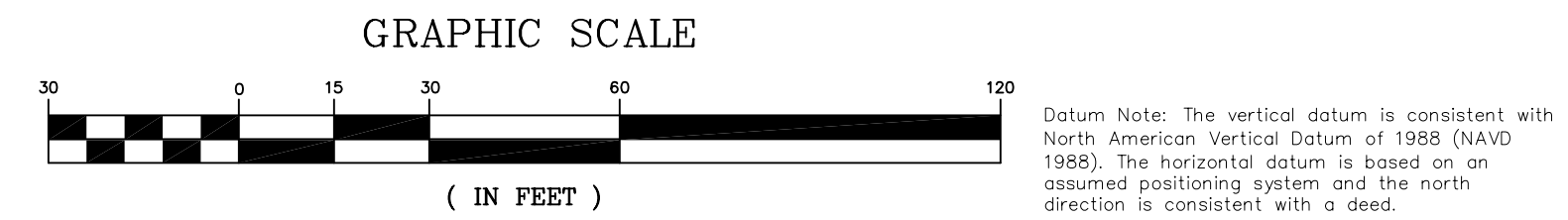
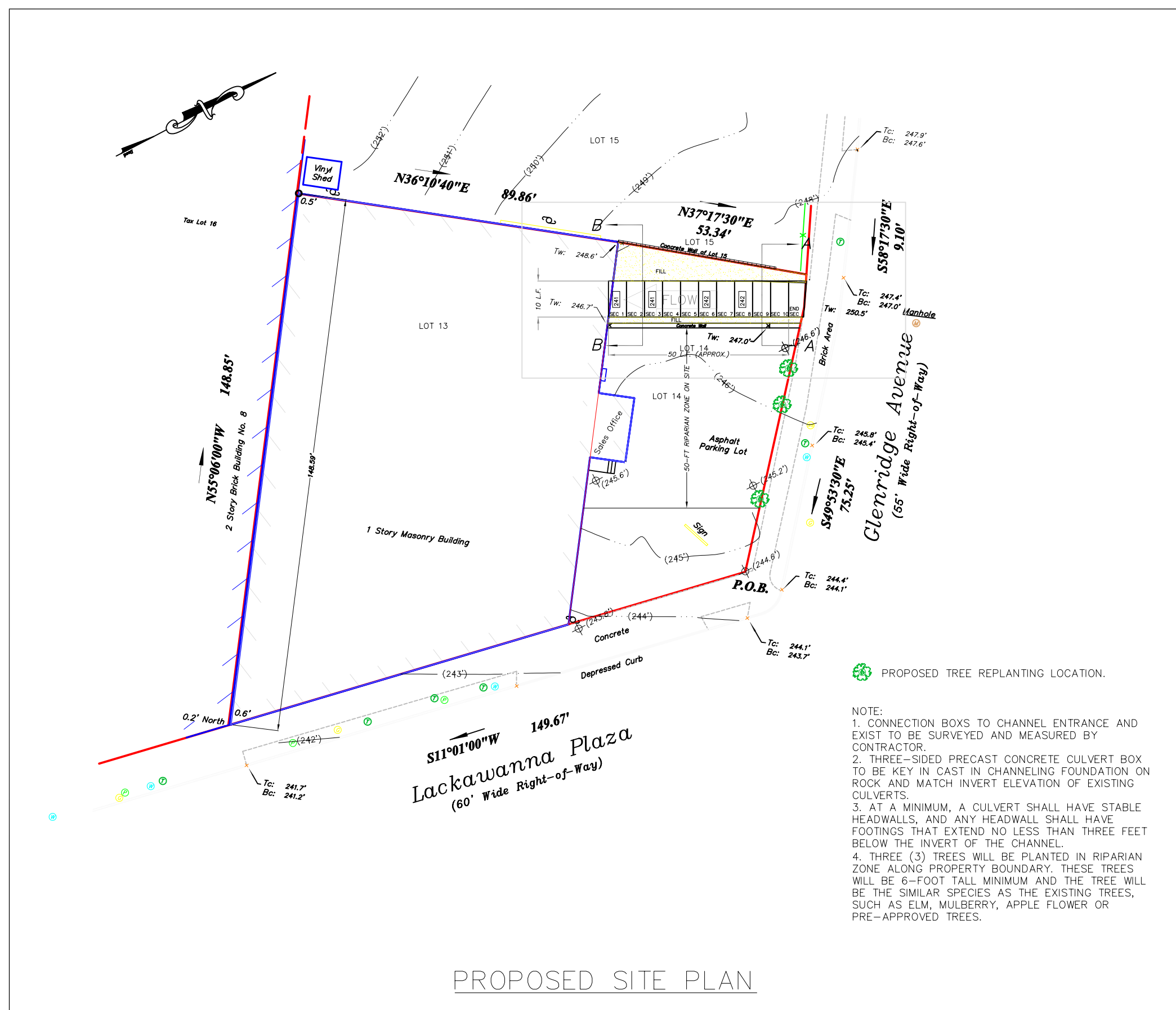
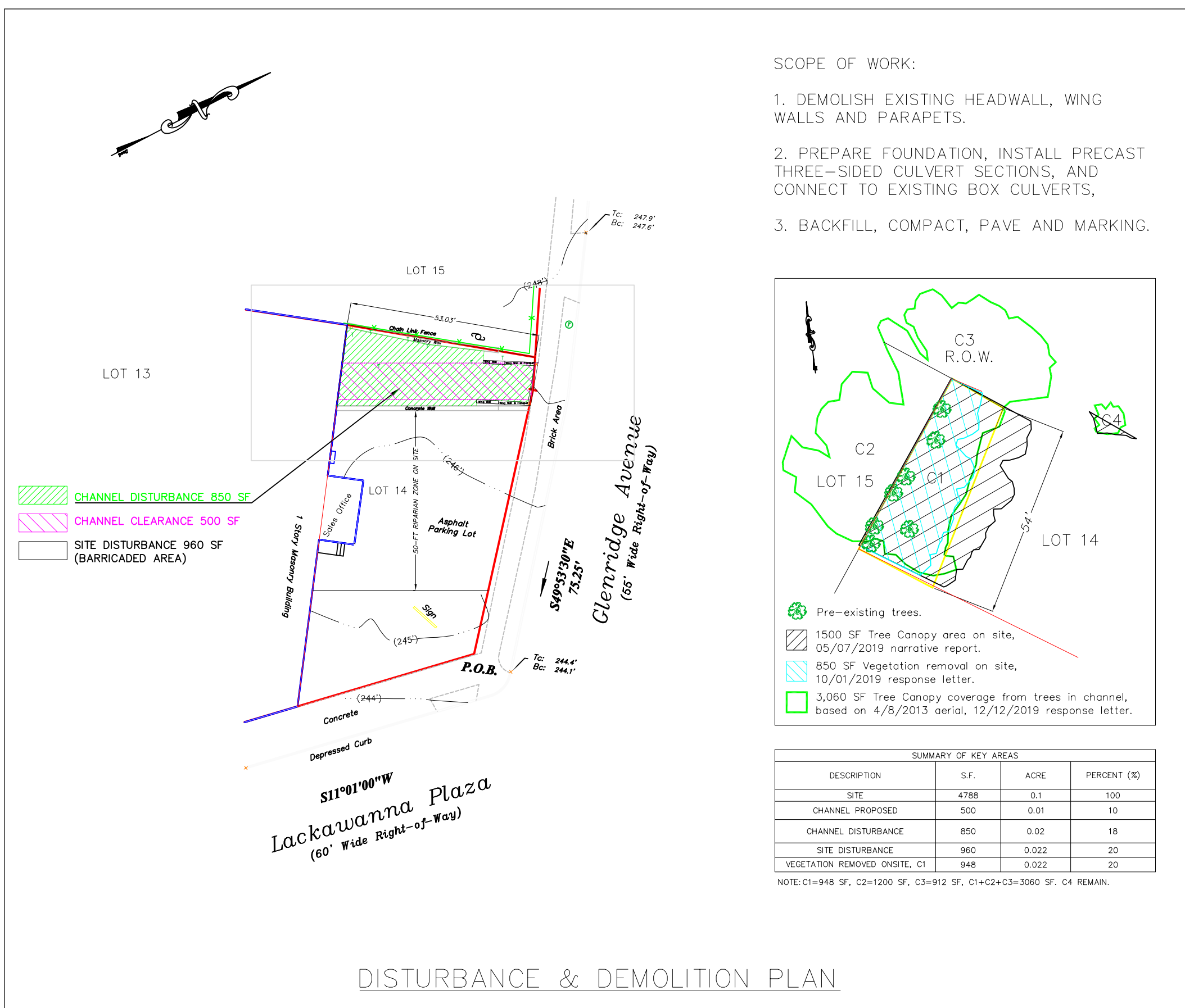
NOTE:

SITE: 160 GLENRIDGE AVE, MONTCLAIR TOWNSHIP, ESSEX COUNTY, NEW JERSEY  
BLOCK 3206 LOT 14

OWNER/APPLICANT: JOHN AUTOMOTIVE INC

PROJECT: CHANNEL MODIFICATION AT AN OPEN CHANNEL ON SITE TO CONTROL FLOOD DAMAGES AND FREE UP MORE LAND.

- THIS SITE PLAN IS BASED ON A SURVEY MAP PREPARED BY BEHAR SURVEYING ASSOCIATES PC, DATED APRIL 13 2015. AS-BUILT PLAN SHALL BE PROVIDED BY CONTRACTOR.
- FRESHWATER WETLAND AND TRANSITION AREAS ARE NOT IDENTIFIED ON SITE EXCEPT THE STATE OPEN WATER, WHICH IS AN OPEN CHANNEL WITH INTERMITTENT FLOW.
- SPECIAL FLOOD HAZARD AREA (SFHA) IS NOT IDENTIFIED ON SITE. THE SITE IS SHOWN AS UNSHADED X ZONE ON FEMA FLOOD INSURANCE RATE MAP 34013C0104F.
- RIPARIAN ZONE EXISTS ON SITE. THE RIPARIAN ZONE INCLUDES THE CHANNEL ITSELF AND 50-FOOT LANDWARD FROM TOP OF BANK, WHICH IS THE EXISTING CONCRETE WALL.
- CONCRETE DESIGNS AND CONSTRUCTION SHALL MEET ASTM C1504, ASTM C1786 HL-93, AASHTO H520 AND/OR NJDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- MEASUREMENTS TO BE FIELD VERIFIED. DO NOT SCALE DRAWINGS.
- FIELD MARKOUTS NEW JERSEY LAW REQUIRES ANYONE DIGGING TO CONTACT "NJ ONE CALL" AT LEAST THREE FULL BUSINESS DAYS (NOT COUNTING WEEKENDS OR HOLIDAYS) PRIOR BEGINNING WORK.
- CONSTRUCTION ALL CONSTRUCTION SHALL CONFORM TO THE STANDARDS OF THE TOWNSHIP OF MONTCLAIR, BUILDING DEPARTMENT AND APPLICABLE AUTHORITIES.
- THE PROFESSIONAL ACTIVITIES OR ON-SITE PRESENCE OF SHOEN ENGINEERING LLC (THE ENGINEER) AND ITS EMPLOYEES, ASSOCIATES AND REPRESENTATIVES SHALL NOT RELIEVE THE GENERAL CONTRACTOR FROM ITS OBLIGATIONS, DUTIES AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCES, TECHNIQUES AND PROCEDURES NECESSARY FOR PERFORMING, SUPERINTENDING AND COORDINATING THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS IN EFFECT AND ANY HEALTH-AND-SAFETY PRECAUTIONS REQUIRED BY APPLICABLE REGULATORY AGENCIES. THE ENGINEER HAS NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR ITS EMPLOYEES IN CONNECTION WITH THEIR WORK OR ANY HEALTH-AND-SAFETY PROGRAMS OR PROCEDURES. THE GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOBSITE SAFETY. THE ENGINEER SHALL BE INDEMNIFIED BY THE GENERAL CONTRACTOR AND SHALL BE MADE ADDITIONAL INSURED UNDER GENERAL CONTRACTOR'S GENERAL LIABILITY INSURANCE POLICY.



DRAWING PLAN INDEX	
1 OF 2	COVER SHEET
2 OF 2	CONSTRUCTION PLAN

THIS PLAN SET IS FOR PERMITTING AND CONSTRUCTION

**SHOEN ENGINEERING**  
CERTIFICATE OF AUTHORIZATION: 240A28216800

TITLE: **SITE PLAN**

PROJECT: CHANNEL MODIFICATION  
160 GLENRIDGE AVENUE, MONTCLAIR  
ESSEX COUNTY, NEW JERSEY 07042  
BLOCK 3206 LOT 14

JOB NO: 160GLENRIDGE DATE: 09/25/2019

DRAWN BY: YDM SCALE: 1"=30'

DESIGN BY: JTK SHEET NO: 1

CHECKED BY: JTK

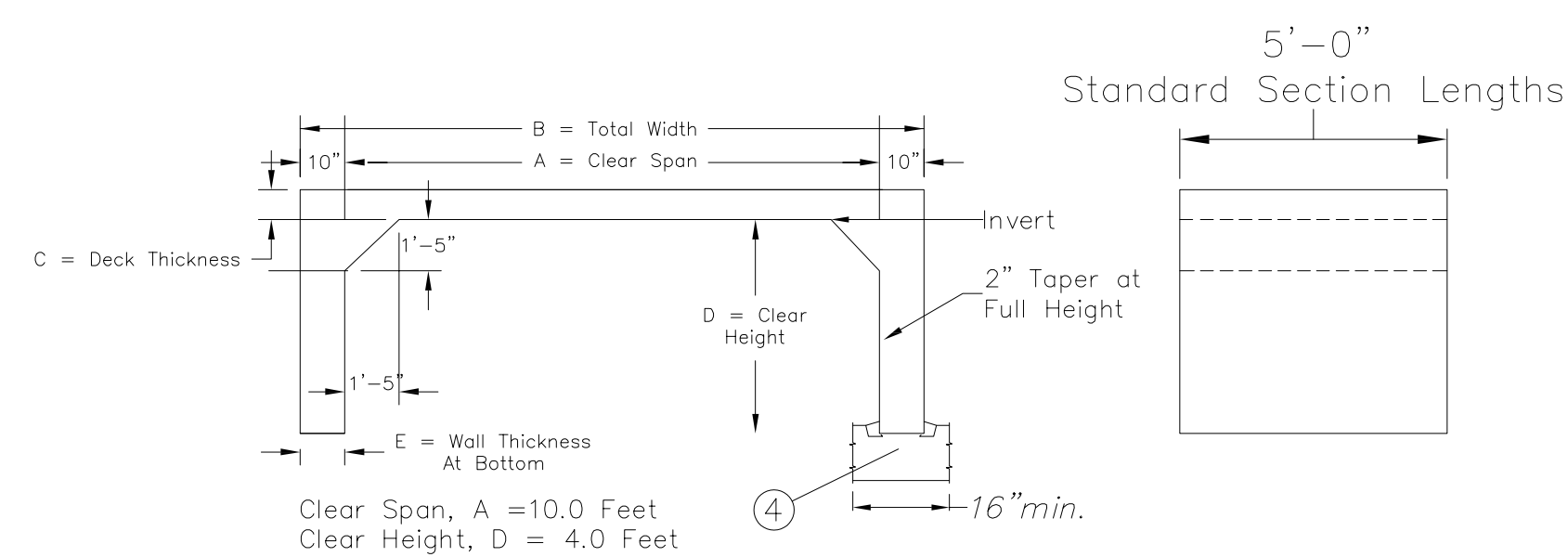
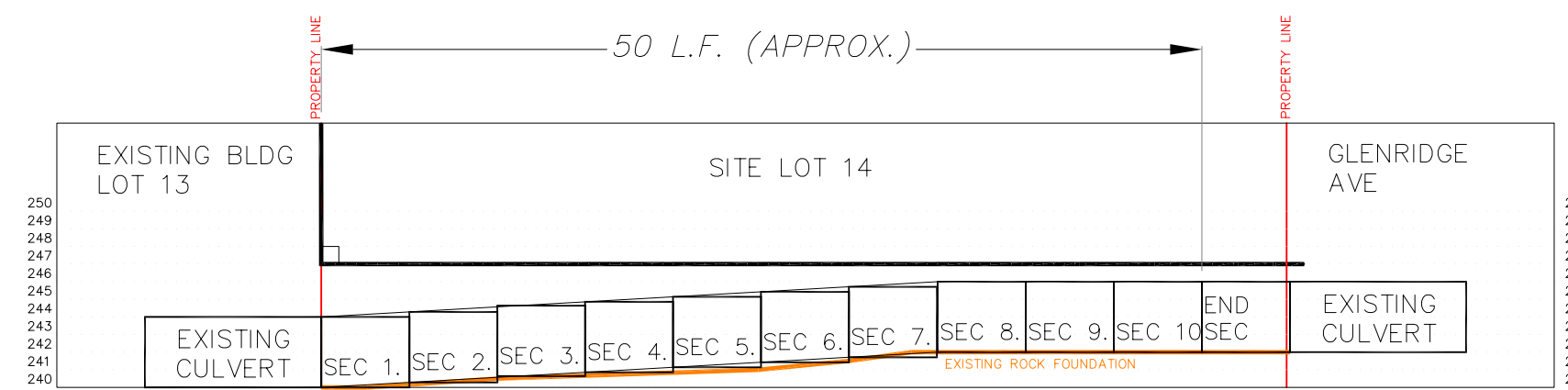
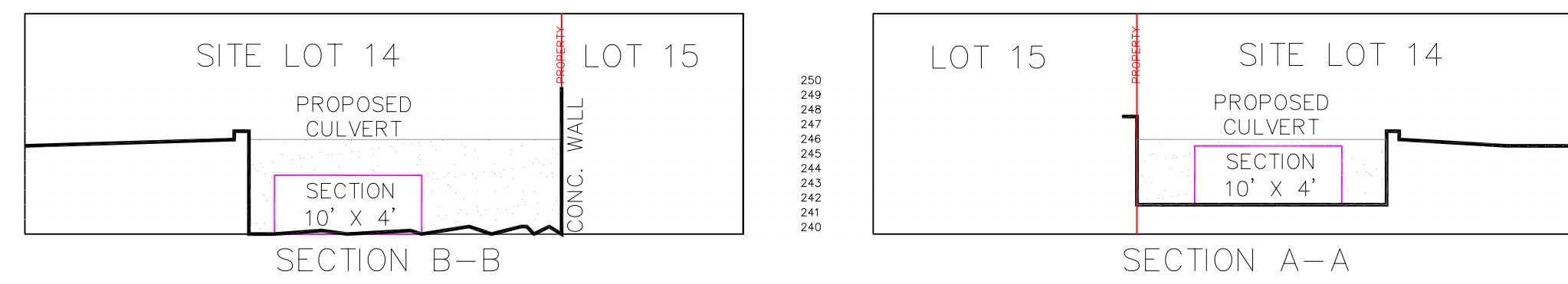
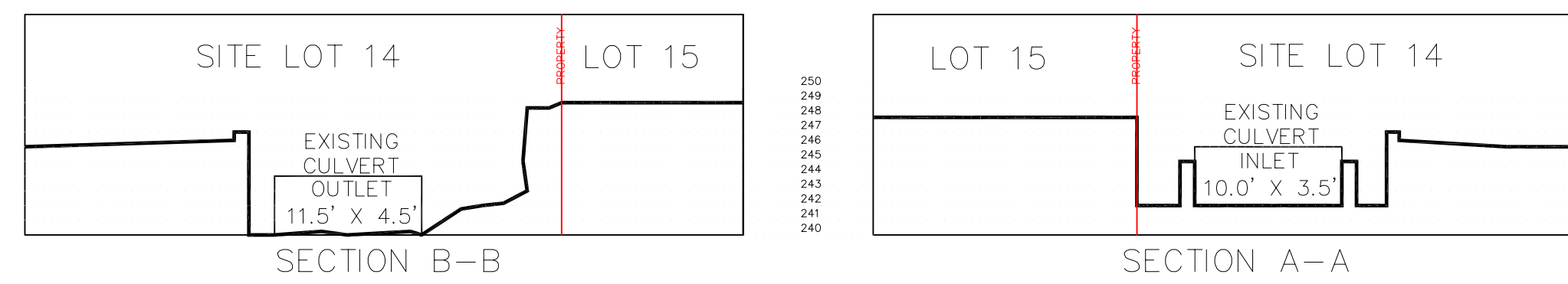
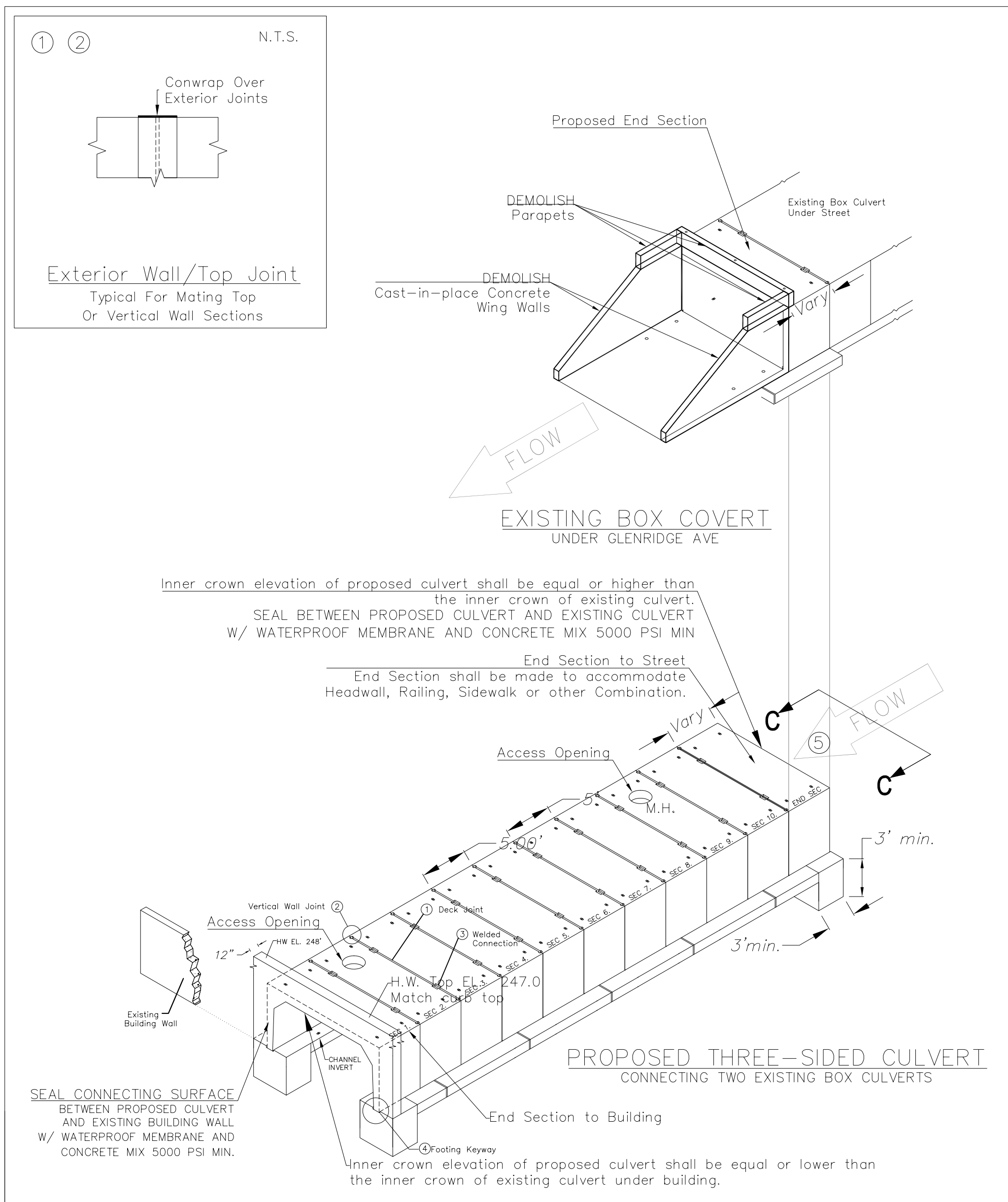
NOTE 1:  
NOTE 2:

PROFESSIONAL ENGINEER  
NEW JERSEY LICENSE NO. 24E2857702  
PENNSYLVANIA LICENSE NO. PE042013  
CONNECTICUT LICENSE NO. PE-0700364

FILE: 160GLENRIDGE-SPI-20200124 REV: 01/24/2020

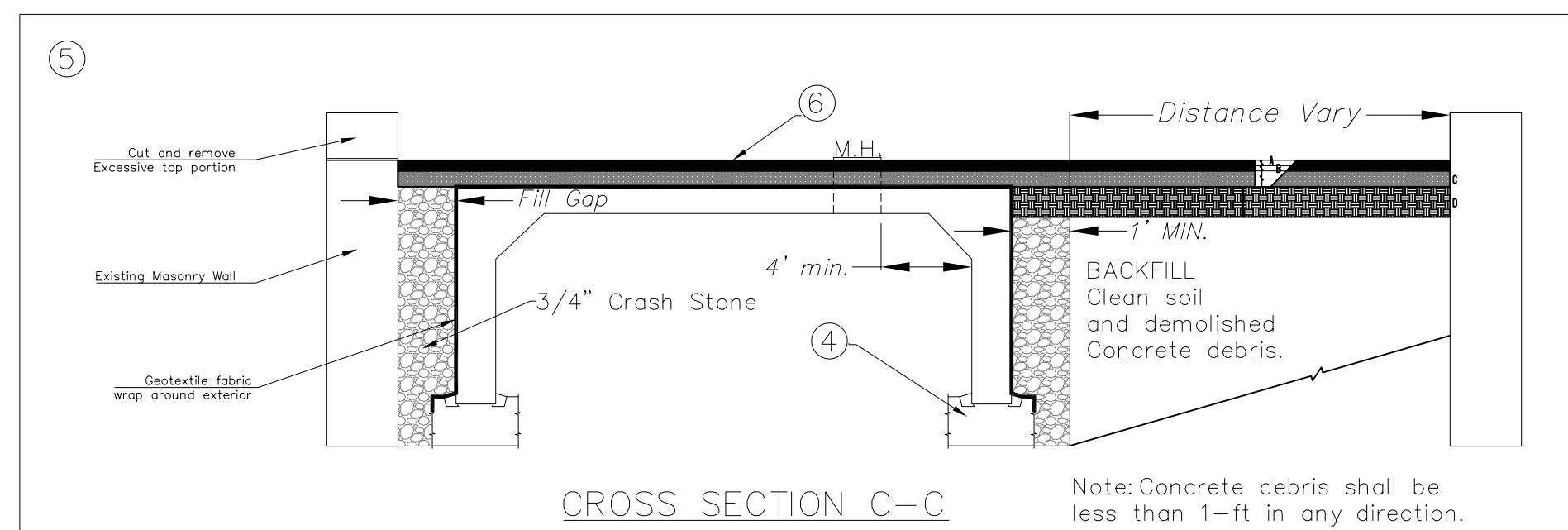
# CONSTRUCTION PLAN

160 GLENRIDGE AVE, MONTCLAIR TOWNSHIP, ESSEX COUNTY, NEW JERSEY (BLOCK 3026 LOT 14)

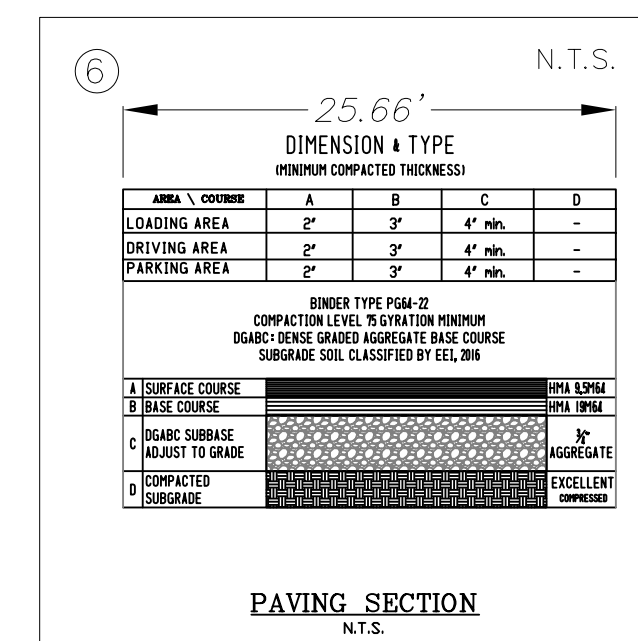


LONGITUDINAL SECTION TRANSVERSE SECTION

PROPOSED THREE-SIDED CULVERT  
PRECAST REINFORCED CONCRETE 5,000 PSI MIN.



Note: In accordance with N.J.A.C. 7:13-12.7(c), At a minimum, a culvert shall have stable headwalls, and any headwall shall have footings that extend no less than three feet below the invert of the channel.



N.J.D.E.P.  
APPROVAL

**NOTE:**

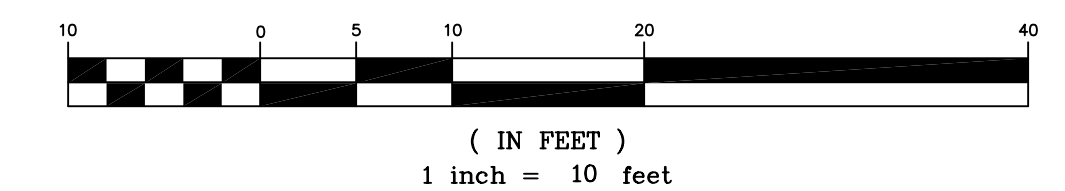
SITE: 160 GLENRIDGE AVE, MONTCLAIR TOWNSHIP, ESSEX COUNTY, NEW JERSEY  
BLOCK 3206 LOT 14

OWNER/APPLICANT: JOHN AUTOMOTIVE INC

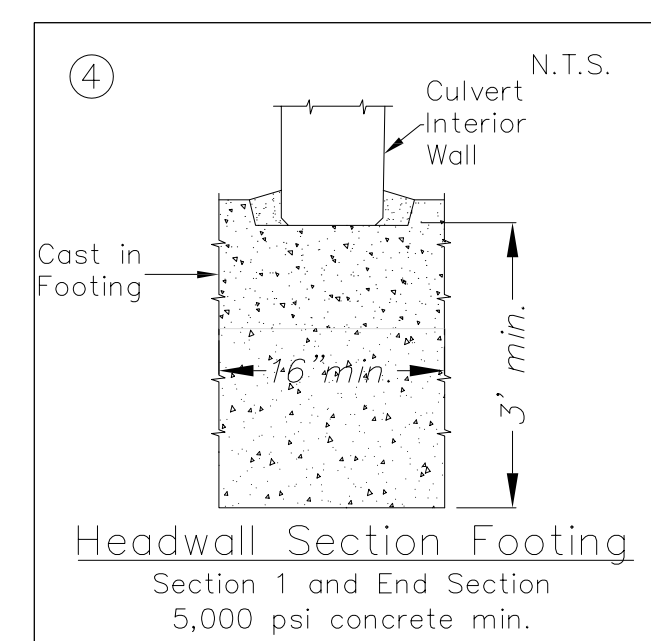
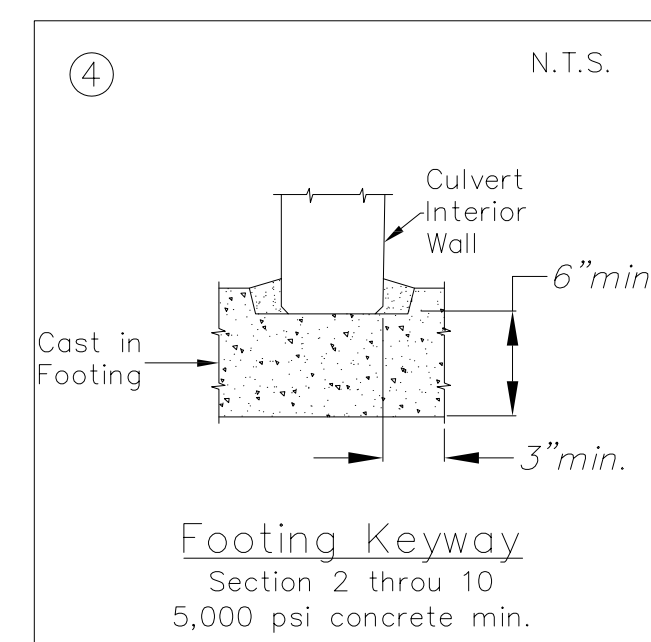
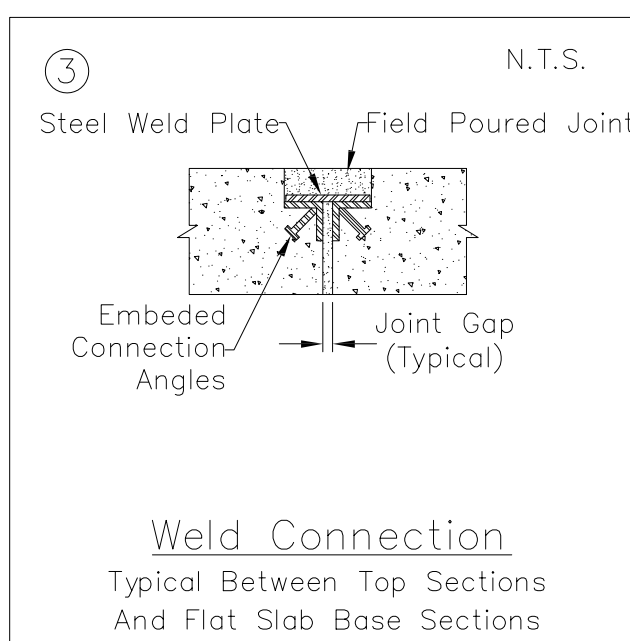
PROJECT: CHANNEL MODIFICATION  
THIS PLAN IS PREPARED FOR CHANNEL MODIFICATION AT AN OPEN CHANNEL ON SITE TO CONTROL FLOOD DAMAGES AND FREE UP MORE LAND.

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**GRAPHIC SCALE**



TIME TABLE FOR CONSTRUCTION	
3 MONTHS	✓ MOBILIZATION
3 MONTHS	✓ CONSTRUCTION AND DEMOBILIZATION



**THIS PLAN SET IS FOR PERMITTING AND CONSTRUCTION**

**SHOEN ENGINEERING**

CERTIFICATE OF AUTHORIZATION: 246A28216800

TITLE: **CONSTRUCTION PLAN**

PROJECT: CHANNEL MODIFICATION  
160 GLENRIDGE AVENUE, MONTCLAIR  
ESSEX COUNTY, NEW JERSEY 07042  
BLOCK 3206 LOT 14

JOB NO: 160GLENRIDGE DATE: 09/25/2019

DRAWN BY: YDM SCALE: 1"=10'

DESIGN BY: JTK SHEET NO:

CHECKED BY: JTK

NOTE 1:

NOTE 2:

**JAMES T. KIN**

PROFESSIONAL ENGINEER  
NEW JERSEY LICENSE NO. 2462857700  
PENNSYLVANIA LICENSE NO. PE048203  
CONNECTICUT LICENSE NO. PE-0700368

FILE: 160GLENRIDGE-SP-20200124 REV: 01/24/2020

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