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SEP 02 2014



August 29, 2014

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HAND DELIVERED

Robert H. Brinton Jr., P.E.  
Town Engineer  
Town of Hamden  
Hamden Government Center  
2750 Dixwell Avenue  
Hamden, CT 06518

Re: Street Excavation and Driveway Apron Permit Applications

Dear Mr. Brinton:

As you know, Berchem, Moses & Devlin, P.C., represents the applicant for two street opening permits submitted to you by its contractor, Haynes Construction Company, on or about May 30, 2014. Since construction of the proposed residences fronting on Woodin Street is not imminent, this letter will confirm that the applicant herewith withdraws, without prejudice and with a full reservation of rights, its application seeking a permit to construct the three proposed residential driveways west of the Wilmot Road connection to Woodin Street.

A revised set of drawings for the connection of Wilmot Road to Woodin Street accompanies this letter. Specifically, DTC has added the "pedestrian crossing signs" you requested, in addition to the previously added intersection crosswalk pavement markings.

At the Town's request, the applicant also previously submitted drawings and information regarding two future connections to Woodin Street so that the Town can evaluate the current application in context. In that regard, this letter will confirm that the Housing Authority of the City of New Haven agrees to the request by the Town not to connect Jennings' Way to Woodin Street.

With respect to the proposed connection of Augustine Street, revised drawings from DTC illustrating the proposed intersection traffic control devices (signs and pavement markings) and pedestrian crosswalk together with a memorandum from Tighe & Bond justifying the proposed intersection traffic control also accompany this letter.

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MILFORD, CT 06460  
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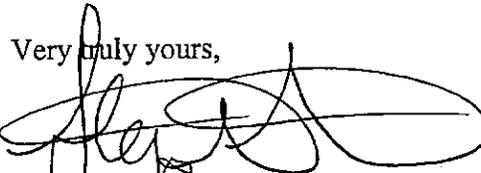
9 MORGAN AVENUE  
NORWALK, CT 06851  
TELEPHONE (203) 803-2942  
FACSIMILE (203) 866-2818

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The applicant anticipates that its application for a street excavation permit for Wilmot Road will be reviewed by the Hamden Police Commission at its September, 2014 meeting. It also anticipates that although no application for a street excavation permit is pending for Augustine Street, the proposed traffic control devices for that future connection will also be reviewed at the same time.

Should you need anything further, please do not hesitate to contact HANH's engineer, Andy Bevilacqua at DTC directly at (203) 239-4200 or the undersigned.

Very truly yours,  
  
Stephen W. Studer

Enclosures

C: S. Gruen, Esq.  
T. Gerarde, Esq.  
S. Draughn  
A. Bevilacqua, P.E.  
C. Granatini, P.E.  
S. Kozuch  
R. Young Smith, Esq.

## Town of Hamden Engineering Department

To: Chairman, Hamden Traffic Authority

Copy to: Thomas Wydra, Chief of Police

From: Robert H. Brinton, Jr., P.E., Town Engineer

Subject: Proposed New Haven Housing Authority Road Intersections with Woodin Street  
(Wilmot Road at Elliot Drive and Augustine Street at Belden Road)

Date: September 2, 2014

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I reviewed the revised plans for the proposed intersections that were submitted on 08/29/14, plans submitted 08/06/14 that show intersection sight distances at Wilmot Road and Woodin Street and vehicle left turning paths at the two proposed intersections, and the traffic study dated 05/30/14 and addenda received on 07/23/14 (4-way intersection at Elliot Drive), 08/14/14 (accident data on Woodin Street), and 08/29/14 (stop sign warrants on Woodin Street at Augustine Drive and Belden Road). It is my understanding that the proposed intersection will be on the Hamden Traffic Authority's agenda for its September 10, 2014 meeting. I have the following engineering comments:

1. Wilmot Road (New Haven) is proposed to intersect with Woodin Street approximately 0.5 miles west of the Wilmot Road (Hamden) intersection. For the purposes of this memo, I will refer to Wilmot Road (New Haven) as Wilmot Road. The traffic study refers to the proposed road intersecting Woodin Street across from Belden Road as Ribicoff Drive; however, it is shown as Augustine Street on the plans.
2. The traffic study specifically addresses traffic impacts from the proposed Ribicoff Cottages in New Haven (south of Woodin Street between Belden Brook and Thorpe Drive) and a proposed road connection to Woodin Street across from Belden Road. The traffic study does include information on traffic expected to be generated from the other parts of the New Haven Housing Authority's West Rock development, including expected traffic using the proposed Wilmot Road intersection with Woodin Street across from Elliot Drive, which is shown as background traffic in the study. According to the study, the West Rock development consists of 335 housing units and 9,200 square feet of commercial space.
3. The traffic study indicates that the proposed stop sign controlled (minor road approaches) intersection of Wilmot Road and Elliot Drive with Woodin Street will operate at a Level of Service (LOS) A and the proposed stop sign controlled (minor road approaches) intersection of Augustine Street and Belden Road with Woodin Street will operate at a LOS B during peak hour traffic. The 08/29/14 addendum to the traffic study indicates that the proposed all-way stop control intersection at Woodin Street, Belden Road, and Augustine Street will operate at a LOS A. Peak hour capacity analysis should be submitted to support this finding.

4. A plan was submitted demonstrating that the proposed Wilmot Road intersection has the required intersection sight distance for a 40 mph design speed (445 feet). Stop signs are proposed on Woodin Street at Belden Road and Augustine Street because the proposed intersection does not have adequate intersection sight distance (225 feet where 445 feet is required).

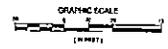
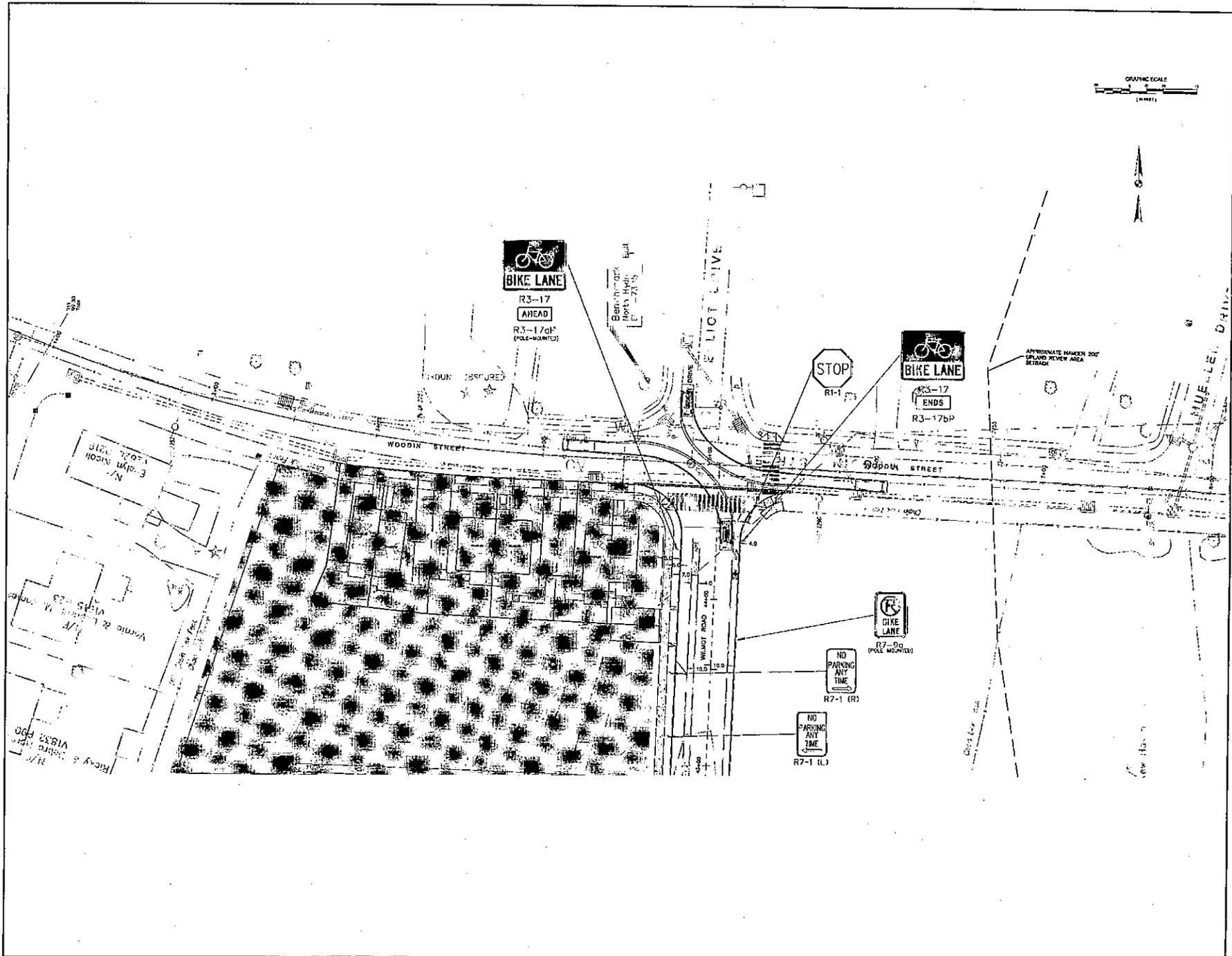
5. The traffic study indicates that the signalized intersection of Woodin Street with Pine Rock Avenue operates at LOS D in the morning and LOS C in the afternoon peak hours in both existing and proposed conditions. The proposed development and road connections will result in an increase in eastbound traffic on Woodin Street approaching Pine Rock Avenue of 92 vehicles per hour (from 203 to 295 vehicles in the peak morning hour). The average vehicle delay at this intersection will increase by 2.7 seconds, from 42.9 to 45.6 seconds.

6. The traffic counts included in the study indicate that the average vehicle speed on Woodin Street (west of West Side Drive) is 34 mph, the design or 85<sup>th</sup> percentile speed (85% of vehicles are at or below this speed, 15% exceed it) is 40 mph, and 5% of traffic exceeds 44 mph. The traffic counts indicate that the existing average daily traffic on Woodin Street (west of West Side Drive) is 2,170 vehicles per day.

7. The applicant is withdrawing its current application for residential driveways west of the proposed Wilmot Road intersection with Woodin Street, in response to Hamden's comments that some of them do not have safe stopping sight distances (250 and 298 feet when 340 feet is required) due to the measured traffic speeds and the grade and profile of Woodin Street going up the hill west of the intersection. It is anticipated that the applicant will reapply for driveway permits west of Wilmot Road at a later date. No applications for residential driveways between Thorpe Drive and Augustine Street have been submitted yet.

8. The applicant is currently seeking approval from the Hamden Traffic Authority for the proposed road connections of Wilmot Road and Woodin Street at Elliot Drive and of Augustine Street and Woodin Street at Belden Road. Pavement markings and signs for crosswalks are shown for both intersections to provide pedestrian access between the New Haven Housing Authority development and the existing sidewalk on the north side of Woodin Street. Stop signs are proposed on Woodin Street at the Augustine Street and Belden Road intersection (all-way stop control), due to inadequate intersection sight distances on Woodin Street (225 feet when 445 feet is required).





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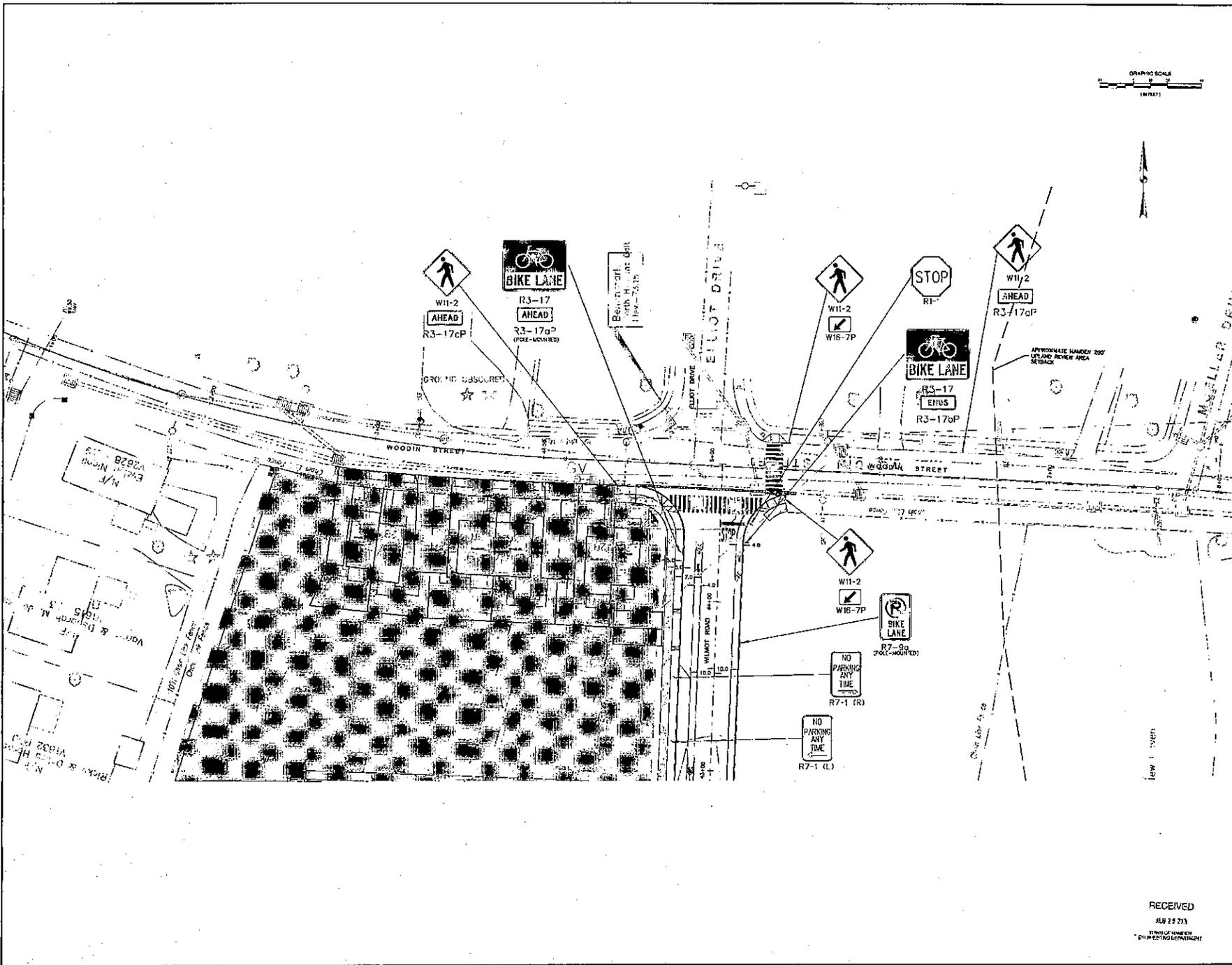
**PROFESSIONAL SEAL**

**RECEIVED**  
JUL 01 2014  
TOWN OF WOODEN  
ENGINEERING DEPARTMENT

**WOODEN ST HOUSING**

**WOODEN ST HOUSING LAYOUT AND SIGNAGE PLAN**

**CT-01**



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PROFESSIONAL SEAL

PROJECT NAME  
 HOOD WOODIN STREET HOUSING

DATE OF ISSUE  
 05/20/2014

PROJECT NUMBER  
 8013207

PROJECT TITLE  
 HOOD ST HOUSING LAYOUT AND SIGNAGE PLAN

SCALE  
 1"=20'

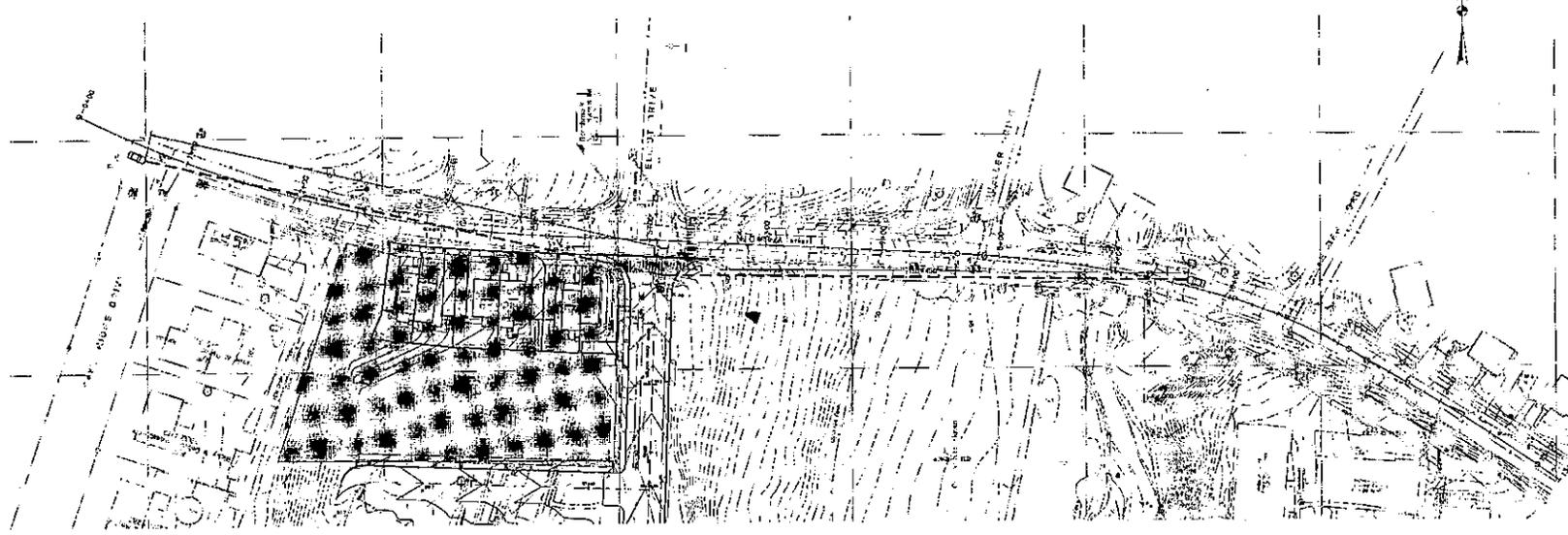
DATE PREPARED  
 MAY 2014

RECEIVED  
 JUN 23 2014  
 TOWN OF WILMINGTON  
 ENGINEERING DEPARTMENT

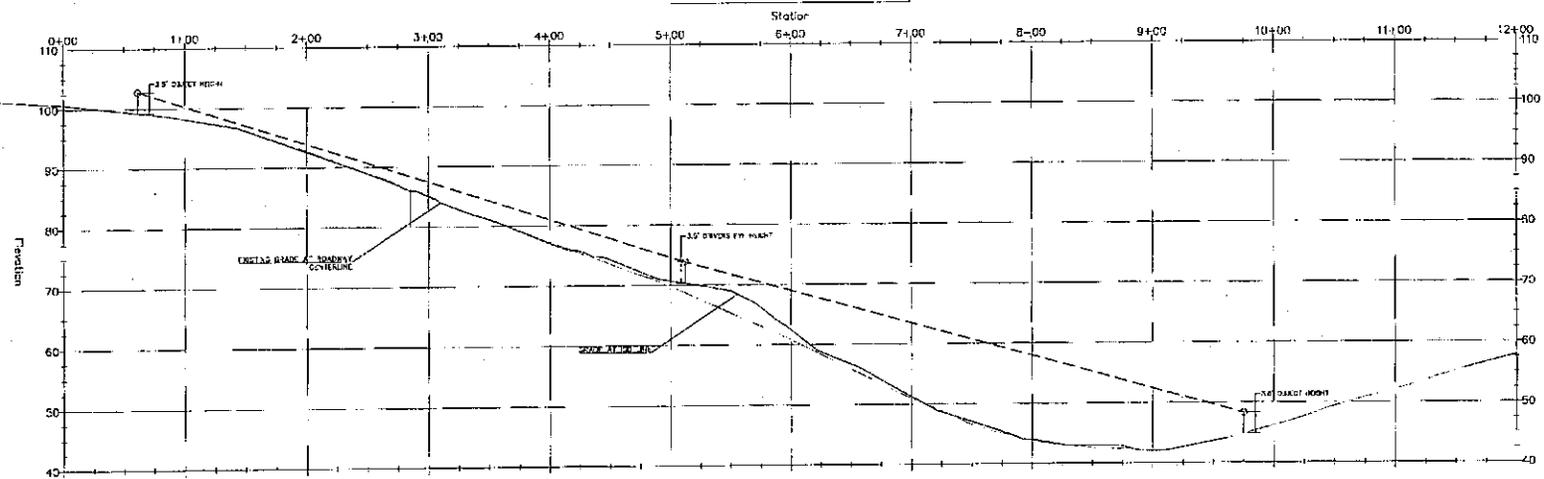
CT-01

**NOTES:**

1. ISD REQUIRED 475 FEET
2. SD BASED ON 85TH PERCENTILE SPEED OF 40 MPH (POSTED SPEED 25 MPH)
3. CONTRACTOR RESPONSIBLE FOR CLEARING VEGETATION IN SIGHT LINE PATH



**WOODIN STREET PROFILE**



**MDC**

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RECEIVED  
 AUG 24 2011  
 WOODIN STREET HOUSING DEVELOPMENT PROJECT

PROJECT: MDC WOODIN STREET HOUSING  
 DESIGNER: J. BROWMAN  
 MDC WOODIN STREET HOUSING  
 1000 PINE STREET, SUITE 100  
 TALLAHASSEE, FL 32301  
 PROJECT NO.: 1000011  
 SHEET NO.: 1000011-01

PROPOSED SITE DISTANCE  
 SCALE: 1" = 40' HORIZONTAL  
 DATE: AUGUST 2011  
 SHEET NO.: 1000011-01

ISD.01

