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DATED: FEBRUARY 10, 2013

WEST STREET

ROADWAY RE-ALIGNMENT & DRAINAGE PROJECT

LOCATED IN:
HARRISON, NEW YORK

TOWN / VILLAGE OF HARRISON
WESTCHESTER COUNTY, NEW YORK

TOWN / VILLAGE BOARD MEMBERS

MARLANE AMELIO
COUNCILWOMAN/TRUSTEE

RONALD BELMONT
SUPERVISOR / MAYOR

JOSEPH CANNELLA
COUNCILMAN / TRUSTEE

STEPHEN MALFITANO
DEPUTY SUPERVISOR/MAYOR

FRED SCILIANO
COUNCILMAN / TRUSTEE

REVISIONS		
SCALE	NTS	
DATE	FEBRUARY 10, 2013	
PROJECT No.		
DESIGNED BY	ENG	ENG
DRAWN BY	ENG	ENG
CHECKED BY		

TOWN AND VILLAGE OF HARRISON
ENGINEERING DEPARTMENT

ALFRED F. SULLA JR. MUNICIPAL BUILDING
1 HEINEMAN PLACE
HARRISON, NEW YORK 10528

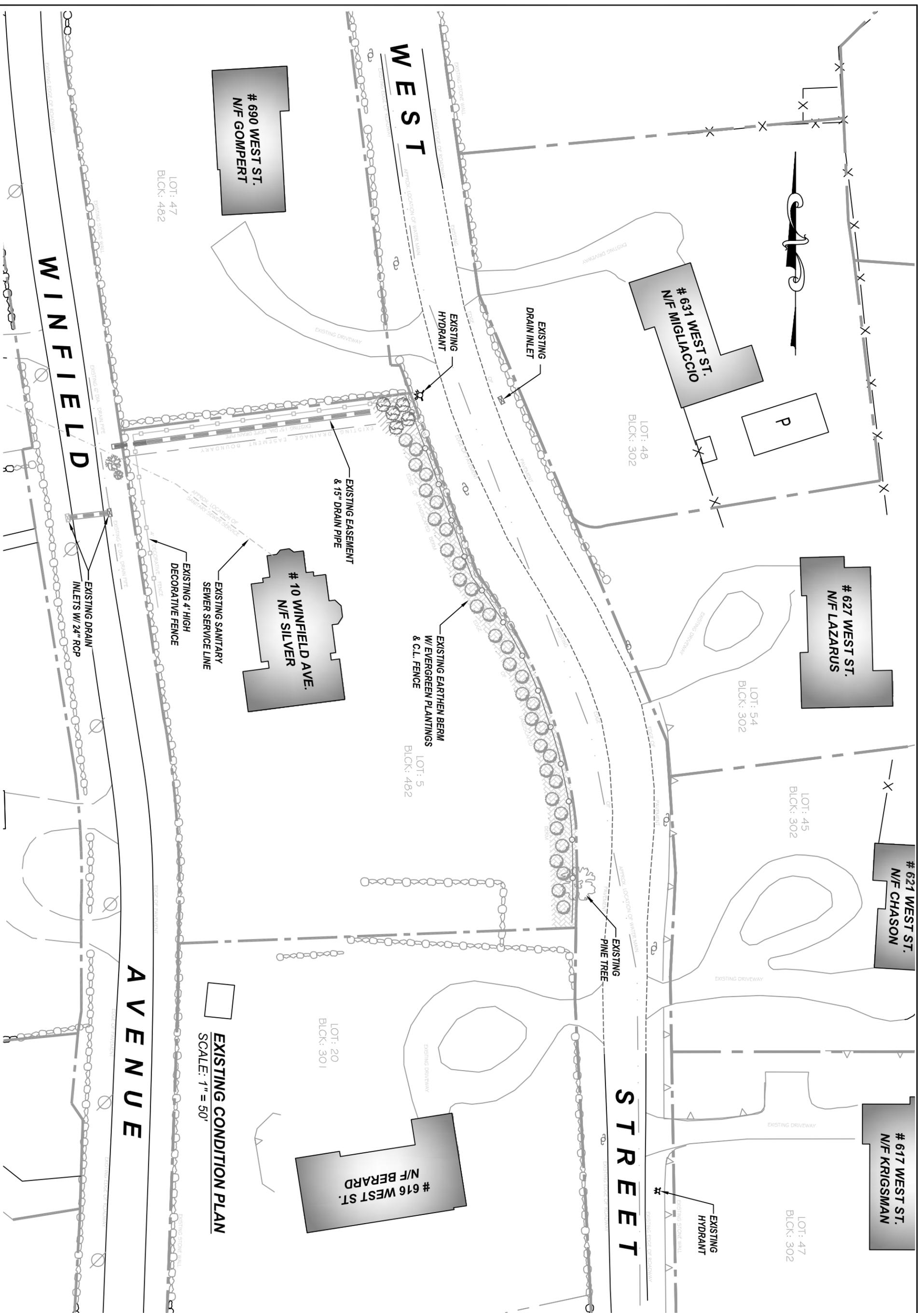
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TITLE PAGE
FOR
ROADWAY RE-ALIGNMENT & DRAIN PROJECT
LOCATED ON:
WEST STREET

TOWN / VILLAGE OF HARRISON WESTCHESTER COUNTY NEW YORK STATE



EXISTING CONDITION PLAN
SCALE: 1" = 50'

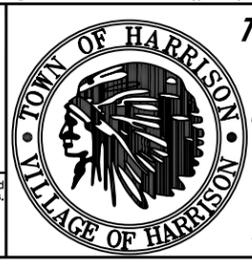
EXISTING CONDITION PLAN

FOR
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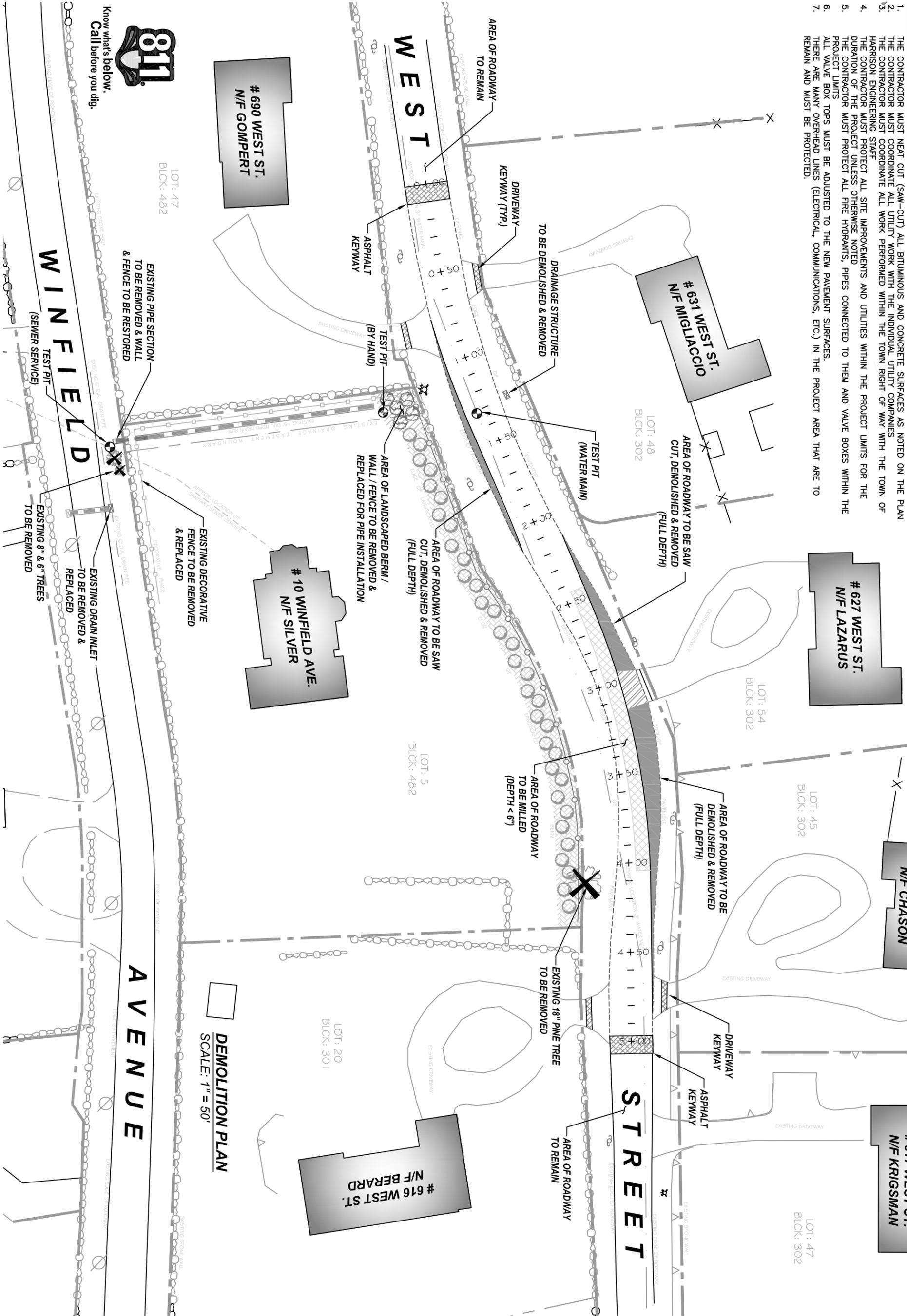
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DEMOLITION NOTES:

1. THE CONTRACTOR MUST NEAT CUT (SAW-CUT) ALL BITUMINOUS AND CONCRETE SURFACES AS NOTED ON THE PLAN
2. THE CONTRACTOR MUST COORDINATE ALL UTILITY WORK WITH THE INDIVIDUAL UTILITY COMPANIES
3. THE CONTRACTOR MUST COORDINATE ALL WORK PERFORMED WITHIN THE TOWN RIGHT OF WAY WITH THE TOWN OF HARRISON ENGINEERING STAFF
4. THE CONTRACTOR MUST PROTECT ALL SITE IMPROVEMENTS AND UTILITIES WITHIN THE PROJECT LIMITS FOR THE DURATION OF THE PROJECT UNLESS OTHERWISE NOTED
5. THE CONTRACTOR MUST PROTECT ALL FIRE HYDRANTS, PIPES CONNECTED TO THEM AND VALVE BOXES WITHIN THE PROJECT LIMITS
6. ALL VALVE BOX TOPS MUST BE ADJUSTED TO THE NEW PAVEMENT SURFACES.
7. THERE ARE MANY OVERHEAD LINES (ELECTRICAL, COMMUNICATIONS, ETC.) IN THE PROJECT AREA THAT ARE TO REMAIN AND MUST BE PROTECTED.

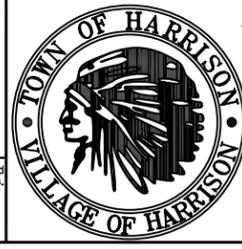


DEMOLITION PLAN
SCALE: 1" = 50'

DEMOLITION PLAN
FOR
ROADWAY RE-ALIGNMENT & DRAIN PROJECT
LOCATED ON:
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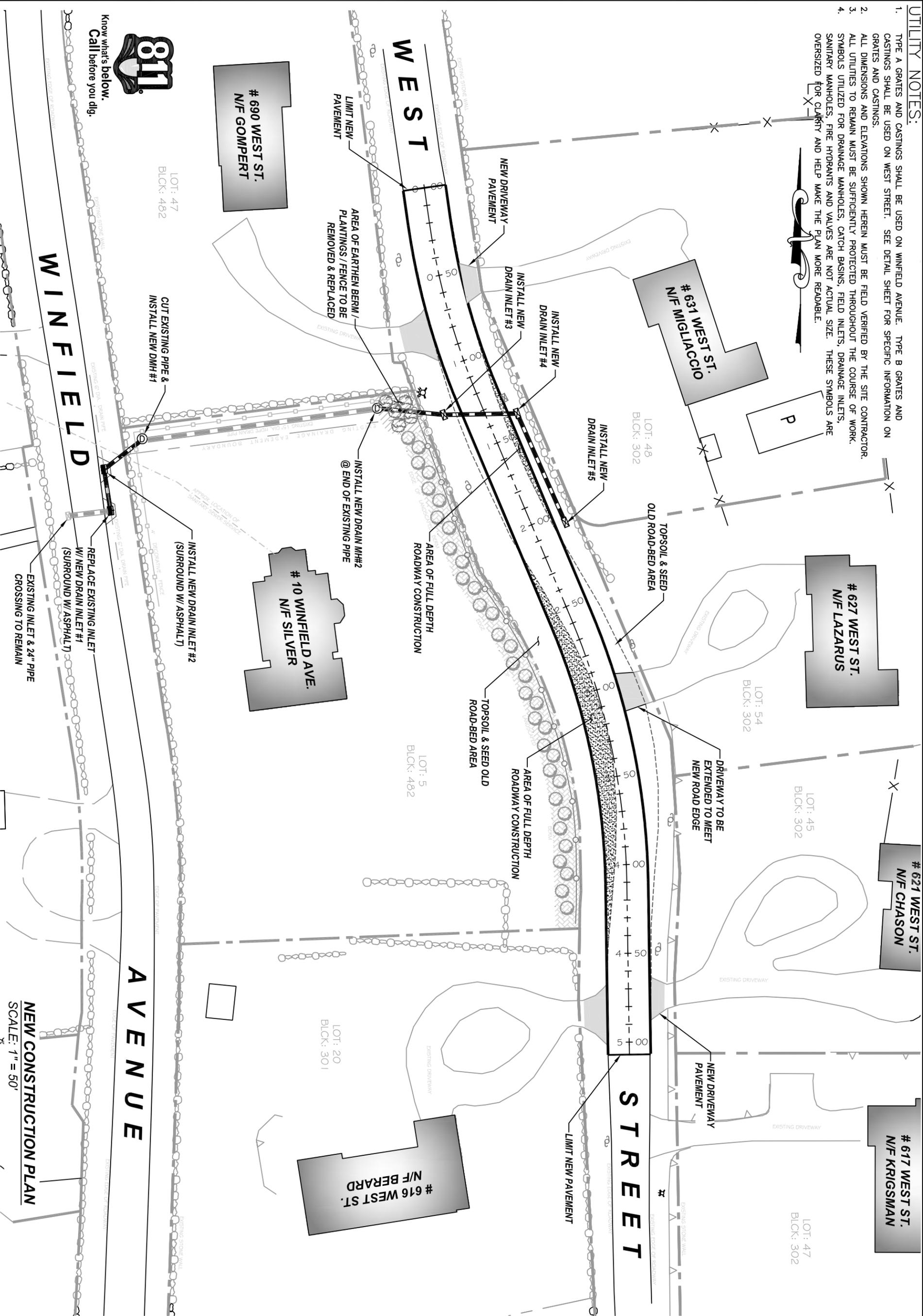


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UTILITY NOTES:

1. TYPE A GRATES AND CASTINGS SHALL BE USED ON WINFIELD AVENUE. TYPE B GRATES AND CASTINGS SHALL BE USED ON WEST STREET. SEE DETAIL SHEET FOR SPECIFIC INFORMATION ON GRATES AND CASTINGS.
2. ALL DIMENSIONS AND ELEVATIONS SHOWN HEREIN MUST BE FIELD VERIFIED BY THE SITE CONTRACTOR.
3. ALL UTILITIES TO REMAIN MUST BE SUFFICIENTLY PROTECTED THROUGHOUT THE COURSE OF WORK.
4. SYMBOLS UTILIZED FOR DRAINAGE MANHOLES, CATCH BASINS, FIELD INLETS, DRAINAGE INLETS, SANITARY MANHOLES, FIRE HYDRANTS AND VALVES ARE NOT ACTUAL SIZE. THESE SYMBOLS ARE OVERSIZED FOR CLARITY AND HELP MAKE THE PLAN MORE READABLE.



NEW CONSTRUCTION PLAN
SCALE: 1" = 50'

NEW CONSTRUCTION PLAN
FOR
ROADWAY RE-ALIGNMENT & DRAIN PROJECT
LOCATED ON:
WEST STREET

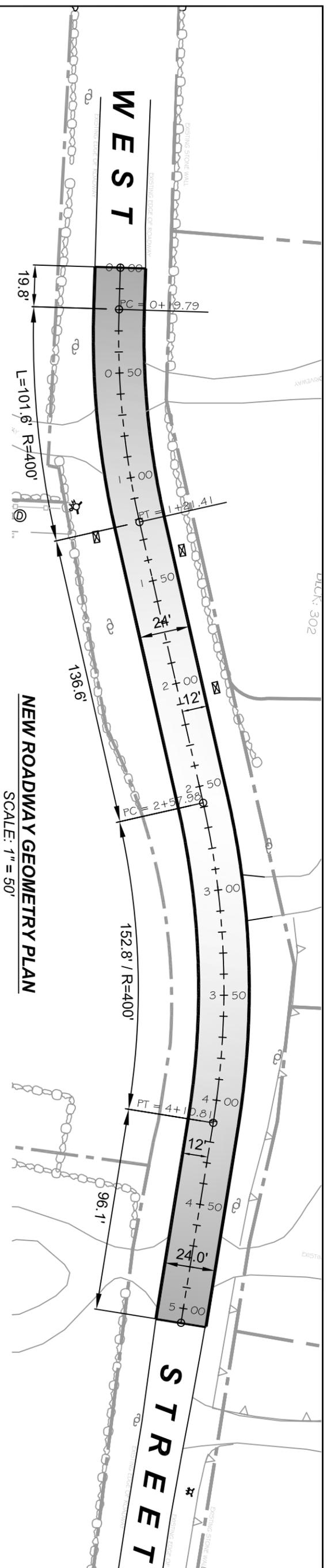
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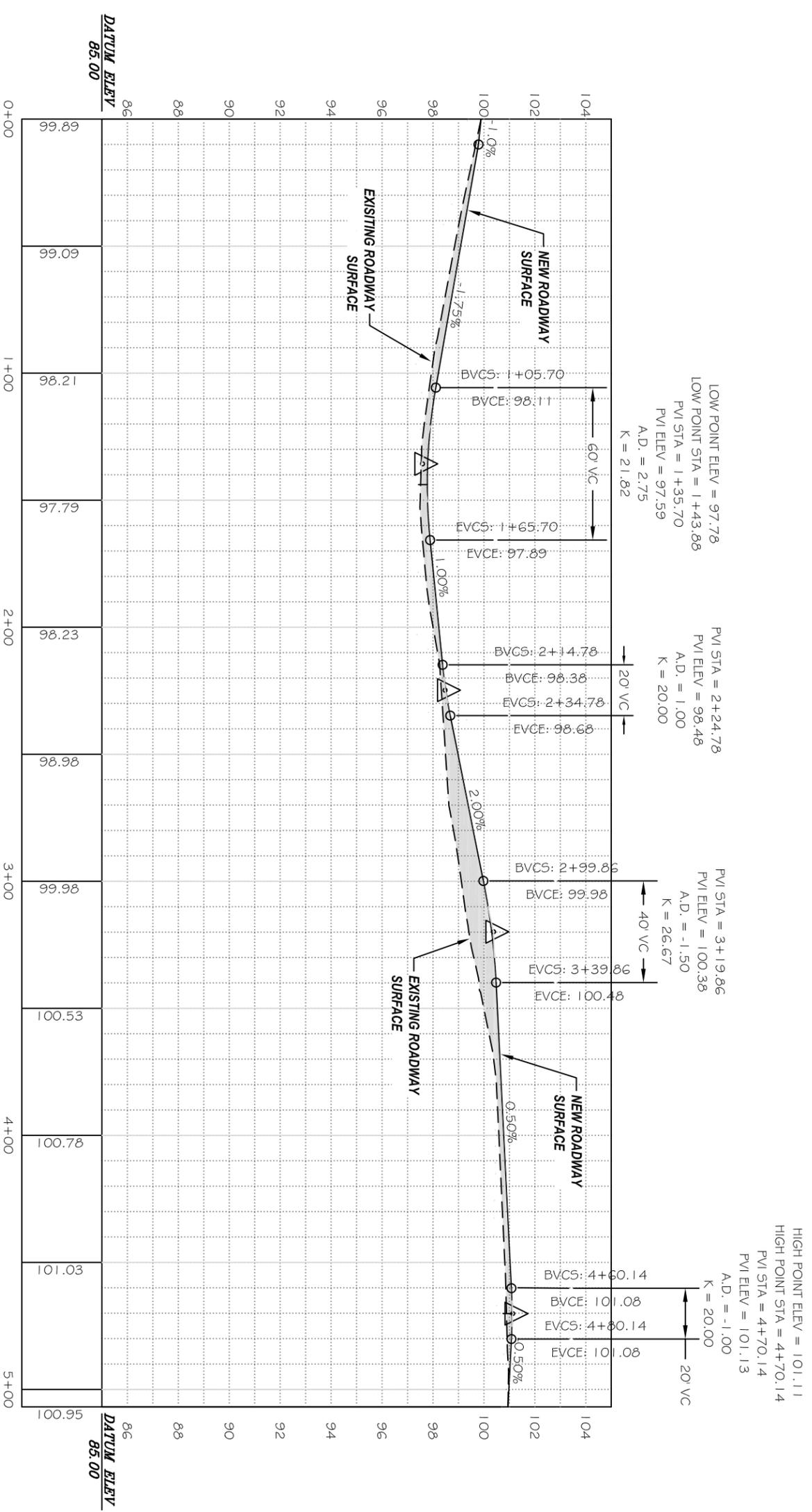
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SHEET No.
4 OF 10



NEW ROADWAY GEOMETRY PLAN
SCALE: 1" = 50'



NEW ROADWAY CENTERLINE PROFILE
SCALE: 1" = 50' HORIZ. / 10" = 1' VERTICAL

5 OF 10
SHEET No.

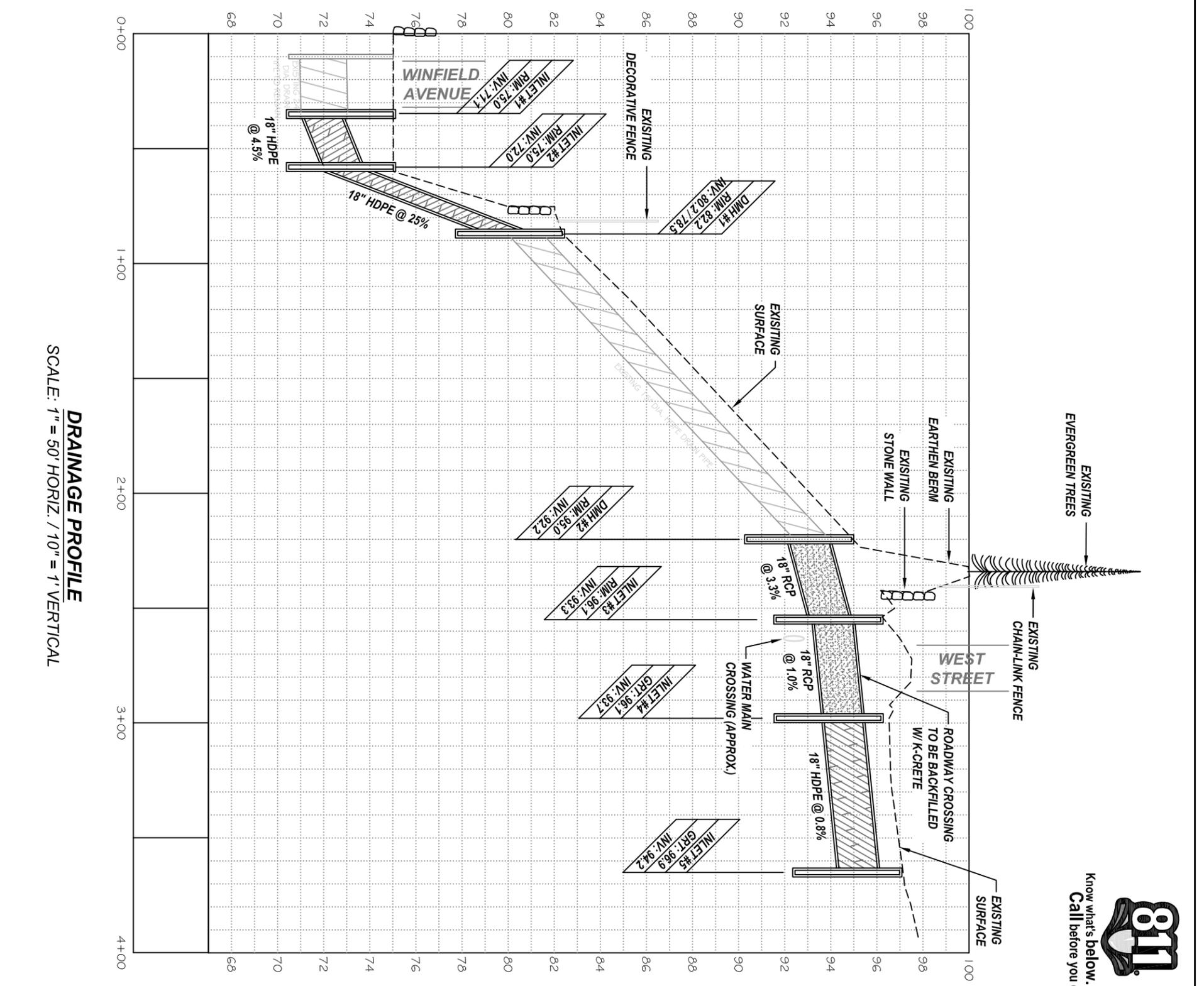
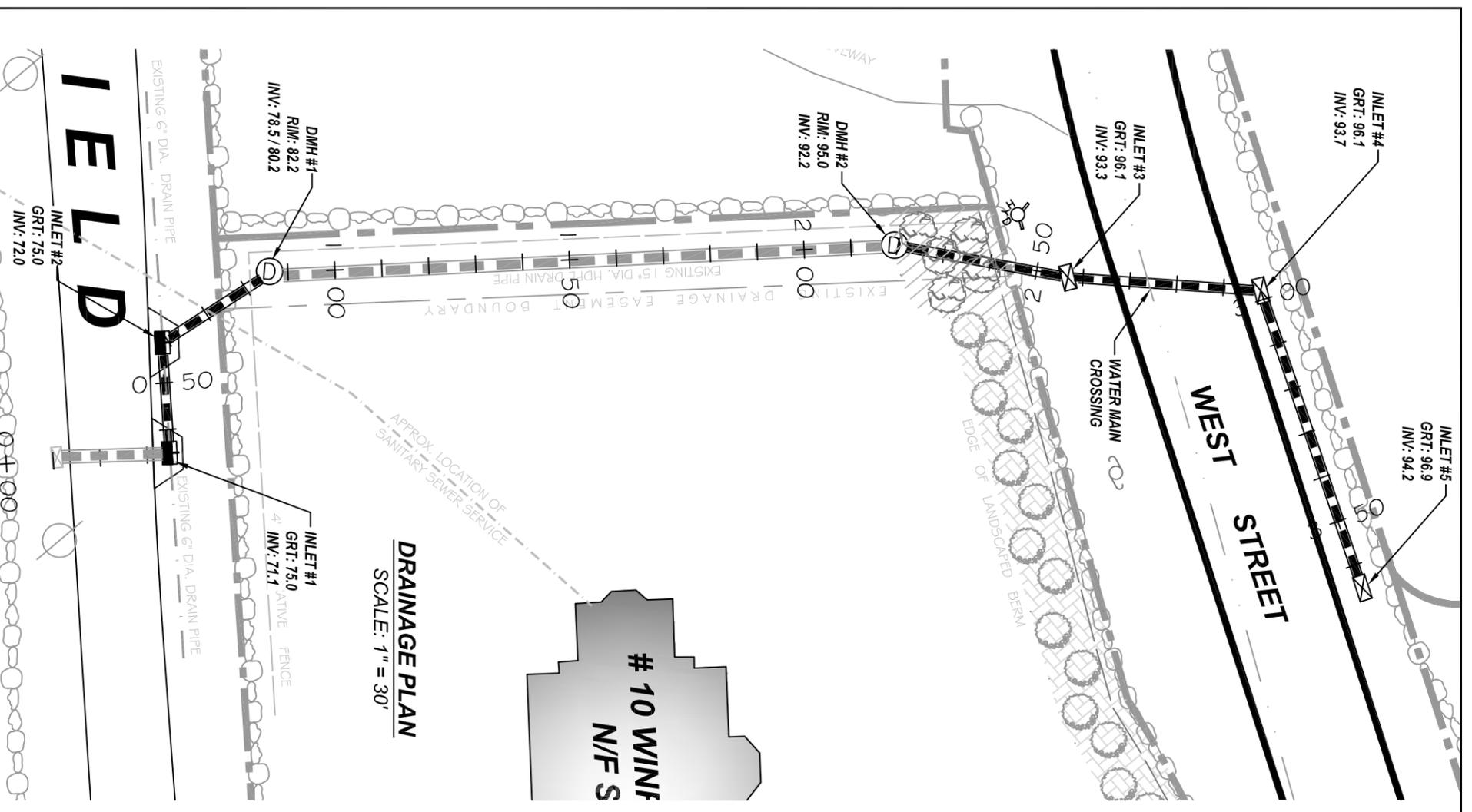
NEW ROADWAY CENTERLINE PROFILE
FOR
ROADWAY RE-ALIGNMENT & DRAIN PROJECT
LOCATED ON :
WEST STREET
TOWN / VILLAGE OF HARRISON WESTCHESTER COUNTY NEW YORK STATE

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Know what's below.
Call before you dig.



DRAINAGE PROFILE
FOR
ROADWAY RE-ALIGNMENT & DRAIN PROJECT
LOCATED ON:
WEST STREET

TOWN / VILLAGE OF HARRISON WESTCHESTER COUNTY NEW YORK STATE

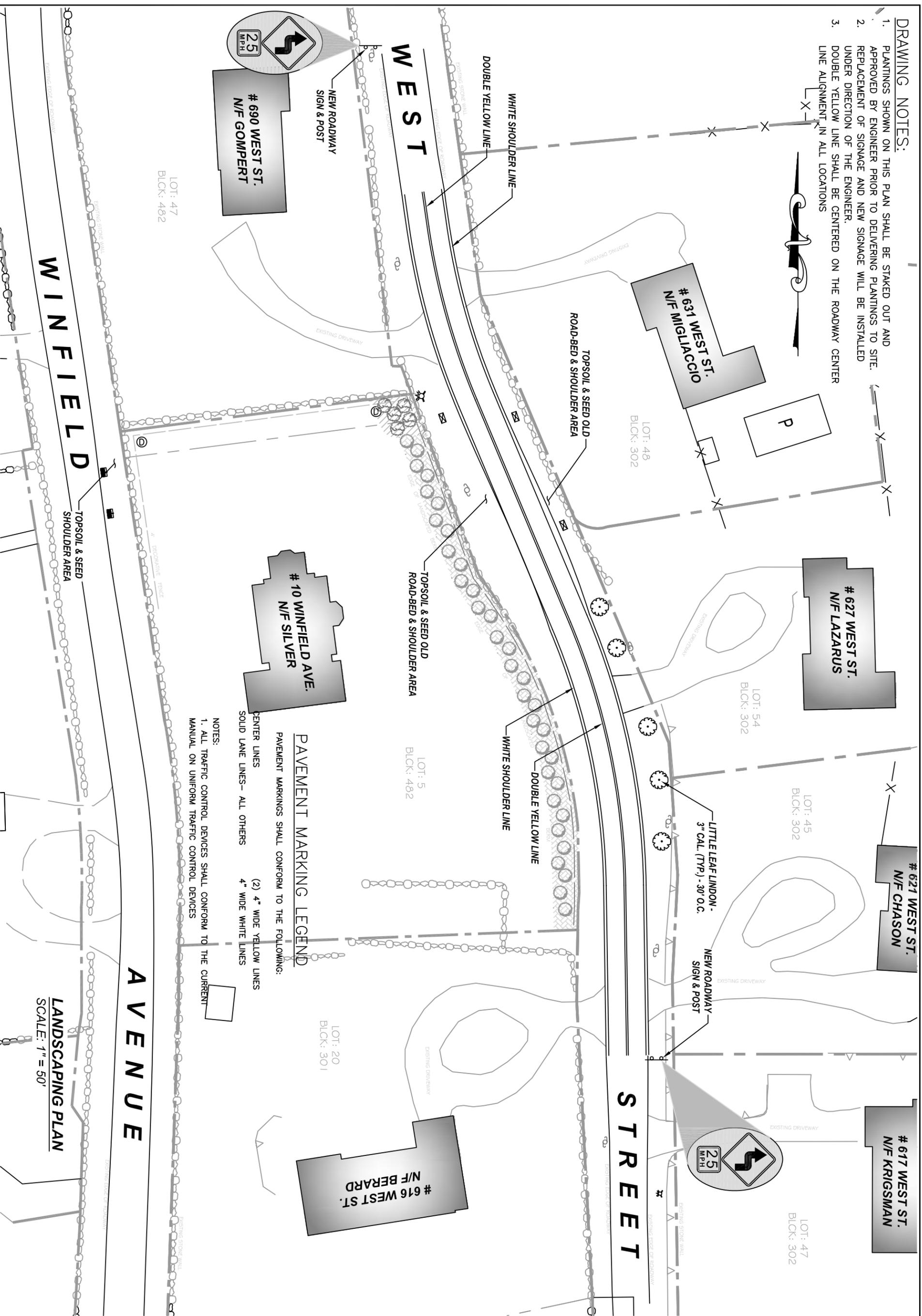
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REVISIONS		
SCALE	VARIES	
DATE	FEBRUARY 10, 2013	
PROJECT No.		
DESIGNED BY	ENG	ENG
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DRAWING NOTES:

1. PLANTINGS SHOWN ON THIS PLAN SHALL BE STAKED OUT AND APPROVED BY ENGINEER PRIOR TO DELIVERING PLANTINGS TO SITE.
2. REPLACEMENT OF SIGNAGE AND NEW SIGNAGE WILL BE INSTALLED UNDER DIRECTION OF THE ENGINEER.
3. DOUBLE YELLOW LINE SHALL BE CENTERED ON THE ROADWAY CENTER LINE ALIGNMENT IN ALL LOCATIONS



PAVEMENT MARKING LEGEND
 PAVEMENT MARKINGS SHALL CONFORM TO THE FOLLOWING:
 CENTER LINES (2) 4" WIDE YELLOW LINES
 SOLID LANE LINES- ALL OTHERS 4" WIDE WHITE LINES

NOTES:
 1. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES

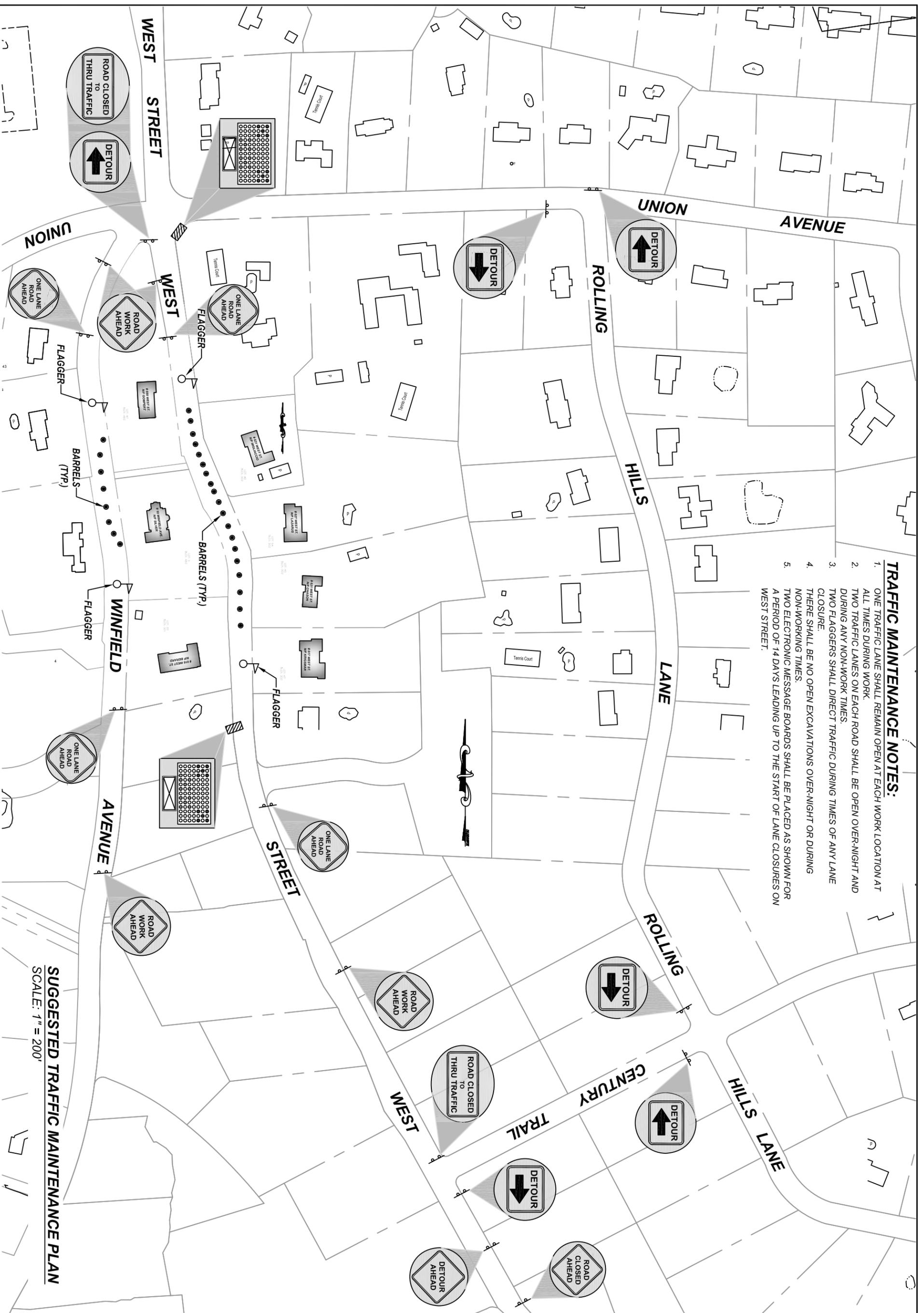
LANDSCAPING PLAN
 SCALE: 1" = 50'

LANDSCAPING PLAN
 FOR
ROADWAY RE-ALIGNMENT & DRAIN PROJECT
 LOCATED ON:
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- TRAFFIC MAINTENANCE NOTES:**
1. ONE TRAFFIC LANE SHALL REMAIN OPEN AT EACH WORK LOCATION AT ALL TIMES DURING WORK.
 2. TWO TRAFFIC LANES ON EACH ROAD SHALL BE OPEN OVER-NIGHT AND DURING ANY NON-WORK TIMES.
 3. TWO FLAGGERS SHALL DIRECT TRAFFIC DURING TIMES OF ANY LANE CLOSURE.
 4. THERE SHALL BE NO OPEN EXCAVATIONS OVER-NIGHT OR DURING NON-WORKING TIMES.
 5. TWO ELECTRONIC MESSAGE BOARDS SHALL BE PLACED AS SHOWN FOR A PERIOD OF 14 DAYS LEADING UP TO THE START OF LANE CLOSURES ON WEST STREET.

SUGGESTED TRAFFIC MAINTENANCE PLAN
SCALE: 1" = 200'

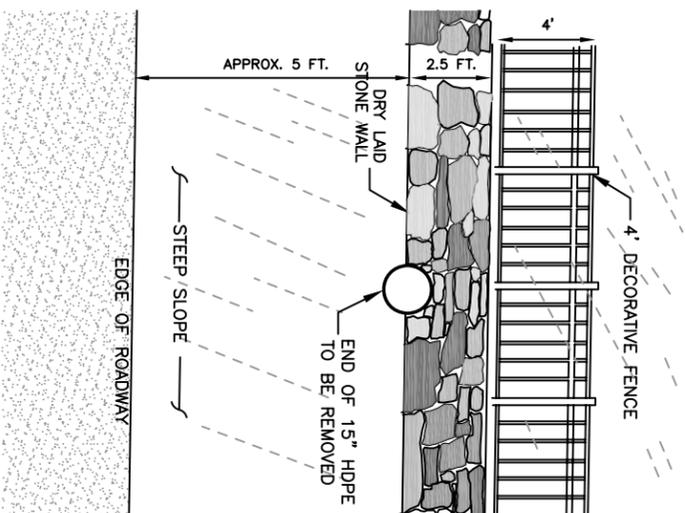
SUG. TRAFFIC MAINTENANCE PLAN
FOR
ROADWAY RE-ALIGNMENT & DRAIN PROJECT
LOCATED ON:
WEST STREET

TOWN / VILLAGE OF HARRISON WESTCHESTER COUNTY NEW YORK STATE

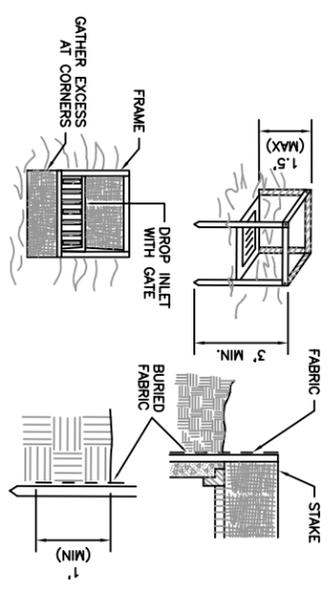
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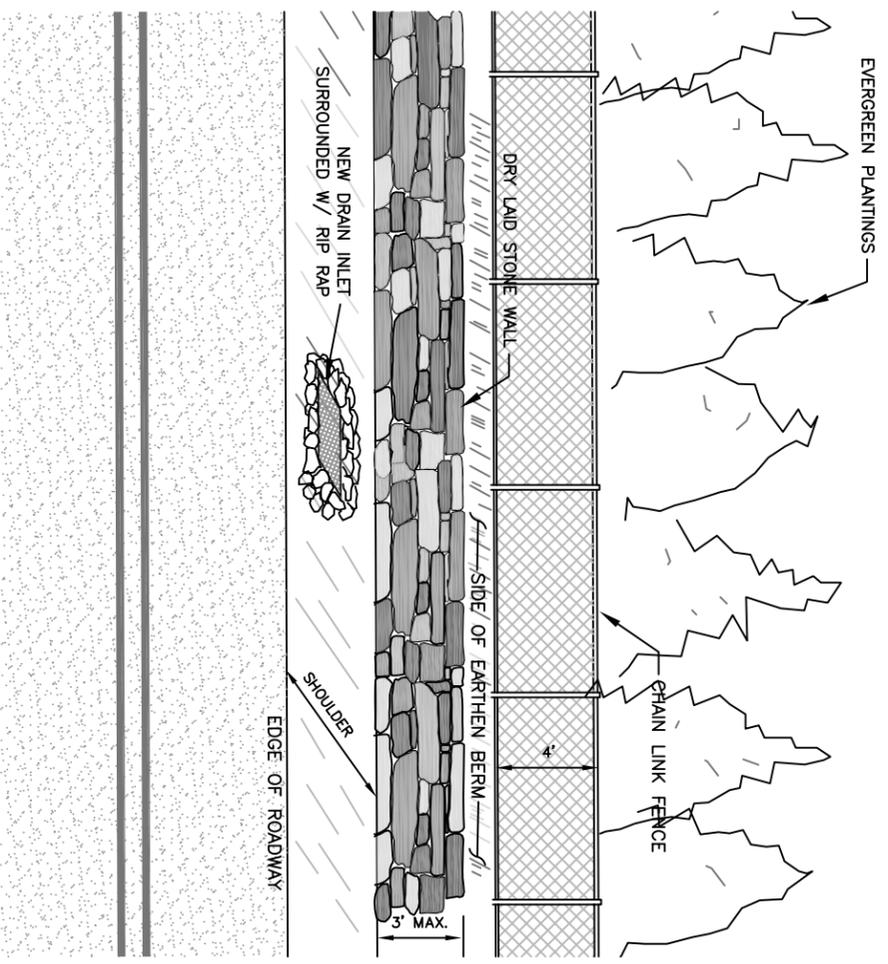
WINFIELD AVENUE SHOULDER
NTS



FIELD INLET CONSTRUCTION SPECIFICATIONS

1. FILTER FABRIC SHALL HAVE AN EGS OF 40-85. BURIALP MAY BE USED FOR SHORT TERM APPLICATIONS.
2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
3. STAKE MATERIALS WILL BE STANDARD 2"x4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.
4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
6. A 2"x4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY. MAXIMUM DRAINAGE AREA 1 ACRE

INLET PROTECTION
NTS



WEST STREET SHOULDER
NTS

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING TRAFFIC IN THE IMMEDIATE VICINITY OF CONSTRUCTION (REFER TO MPT PLAN FOR ADDITIONAL INFORMATION). ALL WORK SHALL BE PERFORMED IN SUCH A MANNER AND SEQUENCE AS TO PROVIDE MAXIMUM PROTECTION TO TRAFFIC AND PEDESTRIANS. CONTROLS SHALL BE CONSISTENT WITH THE TYPE OF WORK BEING PERFORMED.
2. CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING FINAL GRADES TO ASSURE POSITIVE DRAINAGE.
3. THE CONTRACTOR MUST CLEAN MUD, DIRT OR DEBRIS TRACKED ONTO EXISTING STREETS BY ANY VEHICLE THAT EXITS THE CONSTRUCTION AREA.
4. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN THE AREA MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION IN ANY RIGHT-OF-WAY OR EXISTING EASEMENT AS REQUIRED BY NY STATE INDUSTRIAL CODE 53.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING REQUIRED SECURITY TO PROTECT HIS/HER OWN PROPERTY, EQUIPMENT, AND WORK IN PROGRESS.
6. VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD BEFORE COMMENCING ANY WORK. IT SHALL BE CONTRACTOR'S RESPONSIBILITY TO REPORT ANY DISCREPANCIES TO THE COUNTY IN A TIMELY MANNER. CHANGES IN THE HORIZONTAL OR VERTICAL ALIGNMENT ARE TO BE APPROVED BY CMX PRIOR TO CONSTRUCTION.
7. OVERHEAD POWER LINES EXIST IN THE AREA OF THE PROJECT. FEDERAL REGULATIONS, TITLE 29, PART 1910.180(I) AND PART (1926.550(A)(15) REQUIRE A MINIMUM OF TEN (10) FEET FROM THESE FACILITIES WHERE CONTRACTOR MUST WORK NEAR OVERHEAD POWER LINES.
8. THE CONTRACTOR SHALL COMPLY WITH OSHA REGULATIONS AND STATE OF NEW YORK LAW CONCERNING EXCAVATION, TRENCHING AND SHORING.
9. ALL PROPOSED ON-SITE STORM SEWER PIPE SHALL BE CORRUGATED HIGH DENSITY POLYETHYLENE (SMOOTH INTERIOR), UNLESS NOTED OTHERWISE. (AND OR APPROVED.)
11. THE DRAWINGS SHOW AS MUCH INFORMATION AS CAN BE REASONABLY OBTAINED FROM THE AERIAL SURVEY & TOPOGRAPHICAL SURVEY REGARDING THE TOPOGRAPHIC FEATURES, ELEVATIONS AS WELL AS THE LOCATION AND NATURE OF PIPELINES, NATURAL GAS LINES, UNDERGROUND CABLES, UTILITIES, ETC., HOWEVER, THE ACCURACY OF OR COMPLETENESS OF SUCH INFORMATION IS NOT GUARANTEED.
12. IN THE EVENT OF DAMAGE TO UNDERGROUND UTILITIES OR FACILITIES, WHETHER SHOWN ON THE DRAWINGS OR IDENTIFIED IN THE FIELD, THE CONTRACTOR SHALL MAKE THE NECESSARY REPAIRS TO REPLACE THE UTILITY OR FACILITY BACK IN SERVICE AT NO INCREASE IN THE CONTRACT PRICE AND ALL SUCH REPAIRS SHALL CONFORM TO THE REQUIREMENTS OF THE COMPANY OR AGENCY SERVICING THE FACILITY.
13. THE CONTRACTOR SHALL UNCOVER ALL EXISTING UTILITIES AND VERIFY EXISTING ELEVATIONS OF SAME AT ALL UTILITY CROSSINGS BEFORE COMMENCING ANY OTHER WORK. CONFLICTS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
13. THE CONTRACTOR SHALL UNCOVER ALL EXISTING UTILITIES AND VERIFY EXISTING ELEVATIONS OF SAME AT ALL UTILITY CROSSINGS BEFORE COMMENCING ANY OTHER WORK. CONFLICTS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
14. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR MAINTAINING A SAFE PROJECT SITE 24 HOURS A DAY. AS A MINIMUM, THE GUIDELINES SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES SHALL BE OBSERVED.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL APPLICABLE PERMITS.
16. INGRESS AND EGRESS SHALL BE PROVIDED AT ALL TIMES FOR THE PROPERTY OWNERS AND BUSINESSES OF THE ADJUTING PROPERTIES AND THE CROSS STREETS WHICH ARE AFFECTED BY THE CONSTRUCTION OF THIS PROJECT.
17. CONDITION OF THE ROAD AND/OR RIGHT-OF-WAY UPON COMPLETION OF JOB SHALL BE AS GOOD OR BETTER THAN PRIOR TO STARTING WORK.
18. ANY WORK IN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED TO THE STANDARDS OF THE TOWN OF HARRISON.
19. THE-INS TO EXISTING MANHOLES SHALL BE MADE SUCH THAT THE FINAL CONDITION UPON COMPLETION OF THE JOB SHALL BE AS GOOD OR BETTER THAN PRIOR TO STARTING THE WORK.

SUGGESTED CONSTRUCTION SEQUENCE:

1. HAVE ALL UNDERGROUND UTILITIES MARKED OUT
2. PERFORM ALL TEST PITS W/ TEMPORARY TRAFFIC CONTROL PROVISIONS
3. TELETYPE EXISTING 15 INCH DRAIN PIPE
4. INSTALL ELECTRONIC MESSAGE BOARDS FOR TWO WEEK PERIOD PRIOR TO CONSTRUCTION
5. INSTALL FULL TRAFFIC MAINTENANCE PROVISIONS AND DETOUR SIGNS
6. REMOVE TREE ON WEST STREET
7. REMOVE LANDSCAPED BERM ON WEST STREET
8. INSTALL DRAINAGE ON WEST STREET
9. REPLACE LANDSCAPED BERM
10. REMOVE TREES AND INSTALL DRAINAGE ON WINFIELD AVENUE
11. PERFORM ALL ROADWORK ON WEST STREET
12. INSTALL SIGNAGE, LANDSCAPING TOPSOIL & SEED
13. REMOVE TRAFFIC CONTROLS

REVISIONS		
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