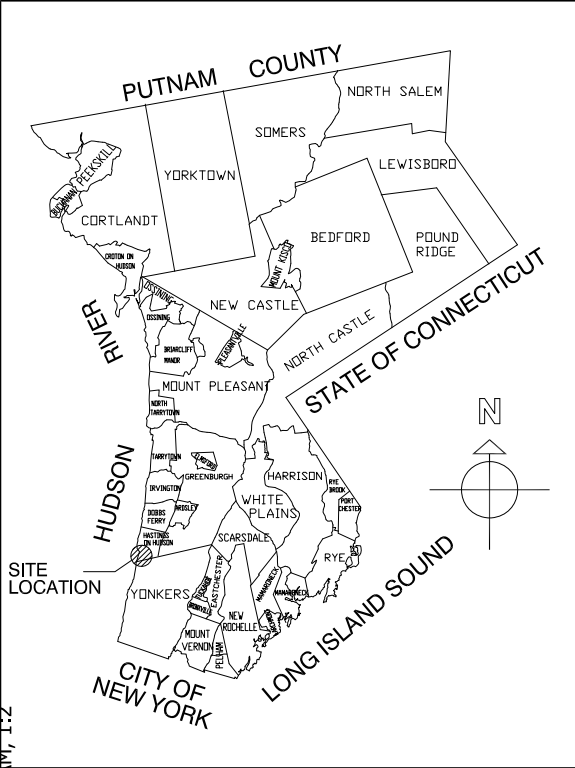


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WESTCHESTER COUNTY

LIST OF DRAWINGS

DPW #	Sheet #	Drawing Title
GENERAL		
43-75I-T-92-0	1.	TITLE SHEET
43-75I-G-93-0	2.	GENERAL NOTES
43-75I-G-94-0	3.	ROADWAY & BRIDGE SECTIONS
43-75I-G-95-0	4.	BASIC WORK TRAFFIC CONTROL NOTES
48-75I-G-96-0	5.	BASIC WORK TRAFFIC CONTROL PLANS I
48-75I-G-97-0	6.	BASIC WORK TRAFFIC CONTROL PLANS II
AREA A		
XX-XXX-X-XX-X	7.	EXISTING CONDITIONS
43-75I-R-98-0	8.	SITE PREPARATION & DEMOLITION PLAN
43-75I-R-99-0	9.	LAYOUT & MATERIALS
XX-XXX-X-XX-X	10.	SIGNAGE AND STRIPING
43-75I-R-100-0	11.	GRADING & DRAINAGE PLAN

PERMIT INFORMATION

- Any additional permits and fees required to complete the work are the responsibility of the Contractor.
- STATE HIGHWAY PERMIT submitted on [ADD DATE] approved on [ADD DATE]
- Any work done in the state right of way shall be built according to the current NYS Standard Specifications for Constructions and Materials, dated May 1, 2008 and all addenda thereto. Any structures located in the state right of way shall be certified by the manufacturer that the item is built according to the current NYS Standard Specifications for Constructions and Materials, dated May 1, 2008 and all addenda thereto.

TABLE OF MAINTENANCE

NYSOT (BROADWAY)	ROAD BED & SURFACE, TRAFFIC SIGNAL, STRIPING & TRAFFIC CONTROL
COUNTY (WARBURTON AVE)	ROAD BED & SURFACE, DRAINAGE & TRAFFIC SIGNS
VILLAGE OF HASTINGS	CURB, SIDEWALKS, CROSSWALK STRIPING, TRAFFIC SIGNAL, STREET TREES, LITTER & SNOW REMOVAL, AND EVERYTHING ELSE BEYOND THE EDGE OF ROADWAY & WITHIN THE R.O.W.



WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION DIVISION OF ENGINEERING

CONTRACT No. 16-526 MISCELLANEOUS ROADWAY IMPROVEMENTS WARBURTON AVENUE (C.R. #75I) VILLAGE OF HASTINGS ON HUDSON, NY

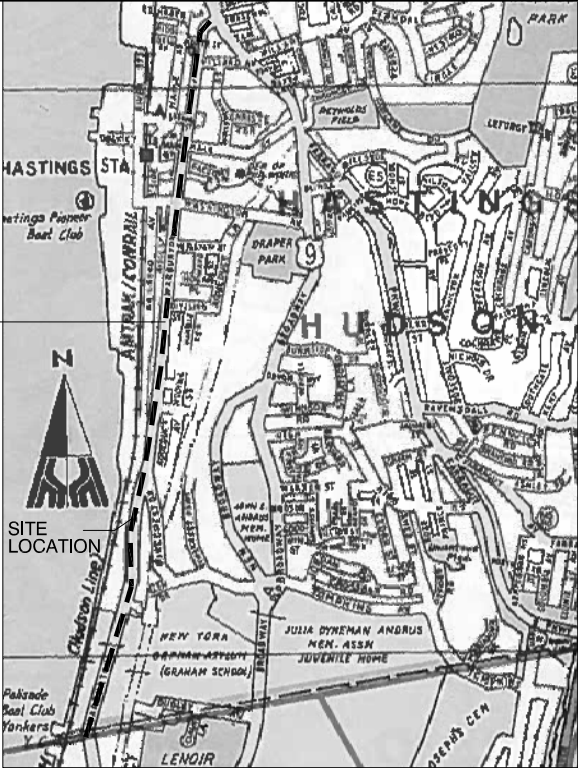
DPW #	Sheet #	Drawing Title
AREA B		
XX-XXX-X-XXX-X	12.	EXISTING CONDITIONS
43-75I-R-101-0	13.	SITE PREPARATION & DEMOLITION PLAN
43-75I-R-102-0	14.	LAYOUT & MATERIALS
XX-XXX-X-XX-X	15.	SIGNAGE & STRIPING
43-75I-R-103-0	16.	GRADING & DRAINAGE PLAN
AREA C		
XX-XXX-X-XXX-X	17.	EXISTING CONDITIONS
43-75I-R-98-0	18.	SITE PREPARATION & DEMOLITION PLAN
43-75I-R-99-0	19.	LAYOUT & MATERIALS
XX-XXX-X-XX-X	20.	SIGNAGE & STRIPING
43-75I-R-100-0	21.	GRADING & DRAINAGE PLAN

AREA D		
XX-XXX-X-XXX-X	22.	EXISTING CONDITIONS
43-75I-R-101-0	23.	SITE PREPARATION & DEMOLITION PLAN
43-75I-R-102-0	24.	LAYOUT & MATERIALS
XX-XXX-X-XX-X	25.	SIGNAGE & STRIPING
43-75I-R-103-0	26.	GRADING & DRAINAGE PLAN

AREA E		
XX-XXX-X-XXX-X	27.	EXISTING CONDITIONS
43-75I-R-98-0	28.	SITE PREPARATION & DEMOLITION PLAN
43-75I-R-99-0	29.	LAYOUT & MATERIALS
XX-XXX-X-XX-X	30.	SIGNAGE & STRIPING
43-75I-R-100-0	31.	GRADING & DRAINAGE PLAN

DPW #	Sheet #	Drawing Title
AREA F		
XX-XXX-X-XXX-X	32.	EXISTING CONDITIONS
43-75I-R-101-0	33.	SITE PREPARATION & DEMOLITION PLAN
43-75I-R-102-0	34.	LAYOUT & MATERIALS
XX-XXX-X-XX-X	35.	SIGNAGE & STRIPING
43-75I-R-103-0	36.	GRADING & DRAINAGE PLAN
AREA G		
XX-XXX-X-XXX-X	37.	EXISTING CONDITIONS
43-75I-R-98-0	38.	SITE PREPARATION & DEMOLITION PLAN
43-75I-R-99-0	39.	LAYOUT & MATERIALS
XX-XXX-X-XX-X	40.	SIGNAGE & STRIPING
43-75I-R-100-0	41.	GRADING & DRAINAGE PLAN

AREA H		
XX-XXX-X-XXX-X	42.	EXISTING CONDITIONS
43-75I-R-101-0	43.	SITE PREPARATION & DEMOLITION PLAN
43-75I-R-102-0	44.	LAYOUT & MATERIALS
XX-XXX-X-XX-X	45.	SIGNAGE & STRIPING
43-75I-R-103-0	46.	GRADING & DRAINAGE PLAN



LOCATION MAP
SCALE: N.T.S.

SITE LOCATION



SITE LOCATION

DPW #	Sheet #	Drawing Title
DETAILS		
43-75I-R-90-0	47.	SITE PREPARATION & RESTORATION DETAILS
43-75I-R-90-0	48.	ASPHALT PAVEMENT DETAILS
43-75I-R-91-0	49.	CONCRETE PAVEMENT DETAILS
43-75I-R-92-0	50.	CONCRETE REPAIR DETAILS
43-75I-R-92-0	51.	DRAINAGE DETAILS
XX-XXX-X-XX-X	52.	MISCELLANEOUS DETAILS
43-75I-R-93-0	53.	PAVEMENT MARKING DETAILS
XX-XXX-X-XX-X	54.	SIGNAGE & PARKING LAYOUT DETAILS
43-75I-R-94-0	55.	GUIDE RAIL & FENCING DETAILS

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
RECORD DRAWING CERTIFICATION				
<input type="checkbox"/> AS BUILT – CHANGES AS NOTED <input type="checkbox"/> AS BUILT – NO CHANGES				
CONTRACTOR			PROJECT COORDINATOR	
NAME			NAME	
SIGNATURE			SIGNATURE	
TITLE			TITLE	
	DATE		DATE	
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING				CONTRACT NUMBER 16-526 SHEET NUMBER 1
MISCELLANEOUS ROADWAY IMPROVEMENTS WARBURTON AVENUE (C.R. #75I) VILLAGE OF HASTINGS ON HUDSON, NEW YORK				SHEET NO. 1 OF 55 SCALE: AS SHOWN DATE: 3/15/2018
TITLE SHEET				DPW FILE NO. XX-XX-T-XX-0 REV. NO.

RECOMMENDED FOR CONSTRUCTION	DATE	RECOMMENDED FOR CONSTRUCTION	DATE	APPROVED FOR CONSTRUCTION	DATE
ANTHONY J. VENTAROLA, P.E. ASSOCIATE ENGINEER DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		JOSEPH J. NICOLETTI, JR., P.E. FIRST DEPUTY COMMISSIONER DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		HUGH J. GREECHAN, P.E. COMMISSIONER DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION	

The work under this contract consists of providing all necessary labor, material and equipment required for milling and paving Warburton Ave (CR 751) from Broadway to City line of Yonkers, including concrete sidewalks, roadway repair and curb replacement, pavement striping, traffic loop replacement and other ancillary landscape and drainage work.

General Notes

1.

The Contractor shall visit the site and familiarize himself with existing site conditions prior to submitting a bid. He shall check, and verify all conditions and dimensions and report any discrepancies, where evident, to Westchester County prior to the bid.
2.

All pay items shown on Plans refer to the latest version of the New York State Department of Transportation Standard Specifications for construction and materials and all addenda thereto, excluding pay items that begin with a “W” which are Westchester County Special Specifications (see specification book for descriptions).
3.

Work pertaining to modifications, as may be required, due to any difference between actual field conditions and those shown by the details and dimensions on the contract plans, will be paid at the unit bid price for the actual quantities of materials used or for the work performed, as indicated by the various items in the contract.
4.

The contractor is responsible for examining the areas of proposed work as to the actual conditions and requirements of work prior to submitting a bid. He/she shall check and verify all conditions and dimensions, and any discrepancies between the drawings and field conditions shall be brought to the attention of the Engineer in writing prior to commencement of work.
5.

The contractor will be held responsible for all damages to the existing facilities caused by his operations which are not included as part of the intended work. All damages to the existing facilities which are not part of the intended work shall be repaired by the Contractor without cost to the County, and to the satisfaction of the Engineer.
6.

All work shall be done and installed in compliance with all laws, rules and regulations of the local municipality and shall comply with the latest edition of the New York State Fire Prevention and Building Code, including all reference standards. All materials and equipment used in the project shall conform to and have approvals in accordance with any other public authorities or agencies having jurisdiction over the project. The contractor shall protect his workers at all times in conformance with applicable OSHA regulations.
7.

Access to all adjoining facilities shall be maintained at all times where reasonably possible. Property manager/owners must be notified in advance of any temporary driveway closures. See Construction Staging Note #4.
8.

The Contractor will be required to perform maintenance cleaning of the pavement when ordered by the Engineer. Maintenance cleaning shall mean the removal of debris from any source, which in the opinion of the Engineer impedes flow of traffic or storm water. This requirement shall not be construed to change the provisions of Article 619-1.02B Snow and Ice Control (NYSDOT Standard Specifications).
9.

Areas beyond the work limits disturbed for any reason by the Contractor and his employees, shall be restored to the satisfaction of the Engineer at the Contractor's expense.
10.

The Contractor's attention is directed to the fact that due to the nature of reconstruction projects, the exact extent of reconstruction work cannot always be accurately determined prior to the commencement of work. These contract documents have been prepared based on field inspection and other available information. Actual field conditions may require modifications to construction details and work quantities. The contractor shall perform the work in accordance with field conditions and as directed by the Engineer.
11.

"A.O.B.E." indicates work to be performed as ordered by Engineer.

12.

The Contractor shall take positive steps to prevent the splattering of vehicles. The Contractor shall provide for the prompt cleaning of any vehicles splattered by Contractor's operations and shall pay for the cleaning. The cost for this work shall be include in the price bid for the various items in the contract.

Paving and Milling

1.

Tack coat - in addition to the distributor equipment described in the specifications, small power spray units or hand-held spray equipment, as approved by the Engineer, may be used in the areas where use of the distributor is impractical, such as narrow irregular areas, intersections and other locations where traffic must be allowed to cross the pavement.
2.

Tack coat shall be applied to any asphalt concrete pavement except when the existing surface is excessively flushed, as determined by the Engineer.
3.

Where pavement keys are cut into the existing pavement in preparation for the overlay at the limits of resurfacing, prior to reopening the roadway to traffic, the Contractor shall either place the proposed asphalt overlay immediately or place a temporary wedge (4' min. width a.o.b.e.) of asphalt to eliminate the bump created by the pavement key. The cost of this work shall be included in the price bid for the paving items.
4.

The contractor shall exercise care in his cold milling and removal operations so as not to unduly disturb or damage underlying materials which are to remain in place. If the contractor damages any materials that are to remain in place, the damaged materials shall be either repaired or replaced in a manner satisfactory to the Engineer at the expense of the contractor. The Contractor shall keep the roadway within the project limits clear of debris and dust and is responsible for any street cleaning necessary during the course of the project.
5.

Prior to opening crosswalks to pedestrians after milling operations, the crosswalk area shall be inspected by the Engineer to ensure an even walking surface for pedestrians for safety issues. Walking surfaces deemed unsafe shall be corrected by the Contractor as directed by the Engineer.
6.

The contractor is solely responsible for properly securing any required water for milling, saw cutting and other operations. The County and municipalities will not be able to provide this.
7.

Pavement shall be cleaned after milling, and directly before paving. This work is included in the milling item.

Staging Areas

1.

Due to the populated locations of some of the work sites, there will be limited areas for staging available for work operations on or off County property. Therefore, equipment must be removed from work areas at the end of each work day, unless approved in writing by the Engineer.
2.

Any staging area for equipment and material storage, for the contract, must be approved by the Engineer and municipality and restored to its original condition after completion of the project. No separate payment will be made for this work.
3.

The Contractor's attention is directed to the fact that because of the proximity of adjacent property, within the limits of this contract, there may not be exclusive occupancy of the territory within the limits of this contract.
3.

Whenever items in the contract require materials to be removed and disposed of, the cost of supplying a disposal area and transportation to that area shall be included in the unit price bid for those items.

Construction Staging

1.

Roads are limited to a single lane closure at any given time. Full closures and detours will not be permitted without written permission from the Engineer, and the Village of Hastings.
2.

This roadway is a major arterial and as such has a large volume of traffic during the day that must be maintained. Because of this fact the Contractor will be required to perform the milling and paving operations at night between 10:00 pm and 6:00 am. No lane closures are permitted on weekends or 7:00 am to 9:30am and 3:00 pm to 7:00 pm on weekdays. Work may be permitted on weekends only with the written permission of the Engineer and the Village of Hastings. All work shall be limited to one "segment" or zone, only one side of the travelled way at a time only with the written permission of the Engineer. A work "segment" or zone is defined as that area in which traffic is restricted because of construction activities in the travel way, or that area that invokes a drop-off next to the pavement.
3.

A schedule of operations shall be provided to the County prior to start of work, indicating which roads will be affected by work and allowing proper notification.
4.

Before restricting the normal flow of traffic in any way, the Contractor shall give forty-eight (48) hours prior notice to the County, and the Village of Hastings. In addition, he shall give forty-eight (48) hours notice to all residents and/or businesses having driveways and entrances within the contract limits before commencing any operations which will temporarily interfere with their use. The Contractor shall assign a responsible employee to give the aforementioned notices in writing after concurrence with the Engineer.
5.

Police for traffic services shall be utilized at work locations where it is required by municipal regulation, or at the discretion of the Engineer, and paid accordingly from item W911.

Utilities

1.

The location, size, depth and completeness of information of existing utilities are not guaranteed. The Contractor shall adhere to the regulations of the State of New York, Department of Public Service code 16 NYCRR Part 753- "Protection of Underground Facilities;" call 1-800-962-7962 prior to commencing any work. Where excavation is required under this contract, the Contractor shall verify actual locations by excavating test pits under the direction of the respective utility company. Test pits paid for under Item 206.05.
2.

The Contractor shall be responsible for locating surface utility fixtures, such as valve boxes & electrical manholes. Care should be taken not to damage said facilities, or bury them under new layers of pavement. Existing damaged facilities should be reported to the Engineer and the appropriate utility company.

Testing of Materials

1.

Material testing shall be paid under Item W851, and shall be used at the discretion of the Engineer. Such testing involves, but not limited to, asphalt density testing, concrete cylinders and slump measurement and may include pavement cores.
2.

The County reserves the right to weigh all asphalt material trucks on site.

Erosion Control Notes

- 1)

All proposed soil erosion and sediment control practices have been designed in accordance with the most recent editions of the New York State Stormwater Management Design Manual and the New York State Standards and Specifications for Erosion and Sediment Control. The contractor shall comply with all applicable stormwater management, water quality control, erosion, and sediment control laws, rules, regulations and permits.
- 2)

Sediment and erosion control practices shall be installed prior to any major soil disturbances and maintained until permanent protection is established.
- 3)

The contractor shall be responsible for the timely maintenance of sediment and erosion control practices. All practices shall be maintained in good working order. The sediment level in all sediment traps shall be closely monitored and sediment removed when maximum levels are reached or as ordered by the construction administrator. All sediment control practices shall be inspected on a regular basis, and after rainfall events greater than half an inch to ensure proper operation as designed.
- 4)

All soils not being used for final grading shall be immediately, protected, stabilized and stockpiled in a location away from storm drains and waterbodies as approved by the construction administrator. All soil stockpiles shall be limed, fertilized, temporarily seeded with annual or perennial ryegrass or oats within 14 days once it is known the soil stockpile will not be used for a period of time greater than 14 days. The cost of such protection and stabilization shall be deemed included in the various items of the contract. No Direct Payment.
- 5)

Any disturbed areas that will be left exposed for more than 21 days and are not subject to construction traffic shall be stabilized with temporary seeding. Erosion control fabric or mulch shall be used on all disturbed areas if the season prevents the establishment of a temporary cover for temporary stabilization. Erosion control fabric shall be used to temporarily stabilize steep slopes (slope gradient of 2:1 or greater). Disturbed areas shall be limed and fertilize prior to temporary seeding.
- 6)

All disturbed areas within 500 feet of an inhabited dwelling shall be wetted as necessary to ensure dust control.
- 7)

Temporary sediment and erosion control practices shall be removed and permanent sediment and erosion control practices implemented, where specified, when the drainage area, including all roads, driveways, and parking areas used during the course of construction has been properly stabilized by permanent practices in accordance with the New York State Stormwater Management Design Manual and the New York State Standards and Specifications for Erosion and Sediment Control.
- 8)

The contractor shall phase the construction in a manner that there will be no more than five acres of soil disturbance at any one time.

THE CONTRACTOR IS ADVISED THAT ADDITIONAL NOTES WILL BE FOUND ON SUBSEQUENT SHEETS OF THE CONTRACT PLANS. SUCH NOTES WHILE PERTAINING TO SPECIFIC DRAWINGS WHERE THEY ARE PLACED, ALSO SUPPLEMENT THE GENERAL NOTES LISTED HEREIN.

IN CHARGE OF

A. VENTAROLA, P.E.

CHECKED BY

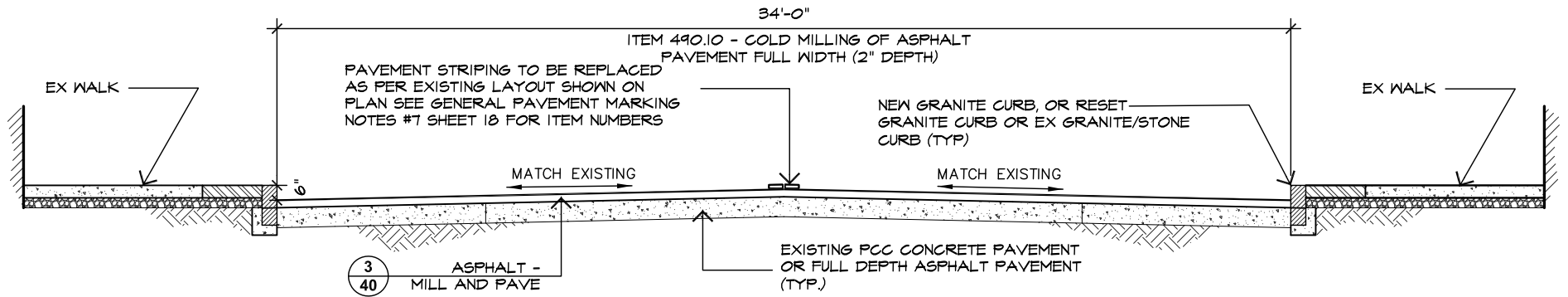
S. LOPANE

MADE BY

K. SITZMAN

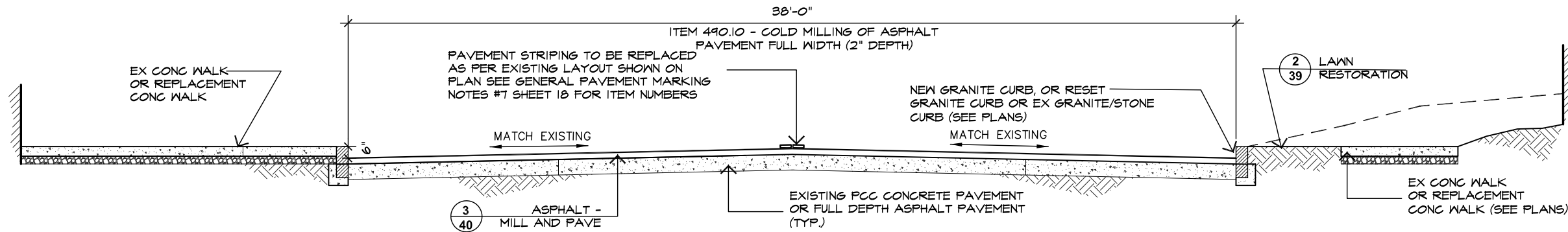
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						CONTRACTOR		PROJECT COORDINATOR		MISCELLANEOUS ROADWAY IMPROVEMENTS WARBURTON AVENUE (C.R. #751) VILLAGE OF HASTINGS ON HUDSON, NEW YORK	
						NAME _____ SIGNATURE _____ TITLE _____		NAME _____ SIGNATURE _____ TITLE _____		SCALE: AS SHOWN DATE: 3/15/2018	
REVISION NUMBER	DATE	MADE BY	APP'D BY		REVISION					DPW FILE NO.	REV. NO.
								GENERAL NOTES		XX-XX-T-XX-0	

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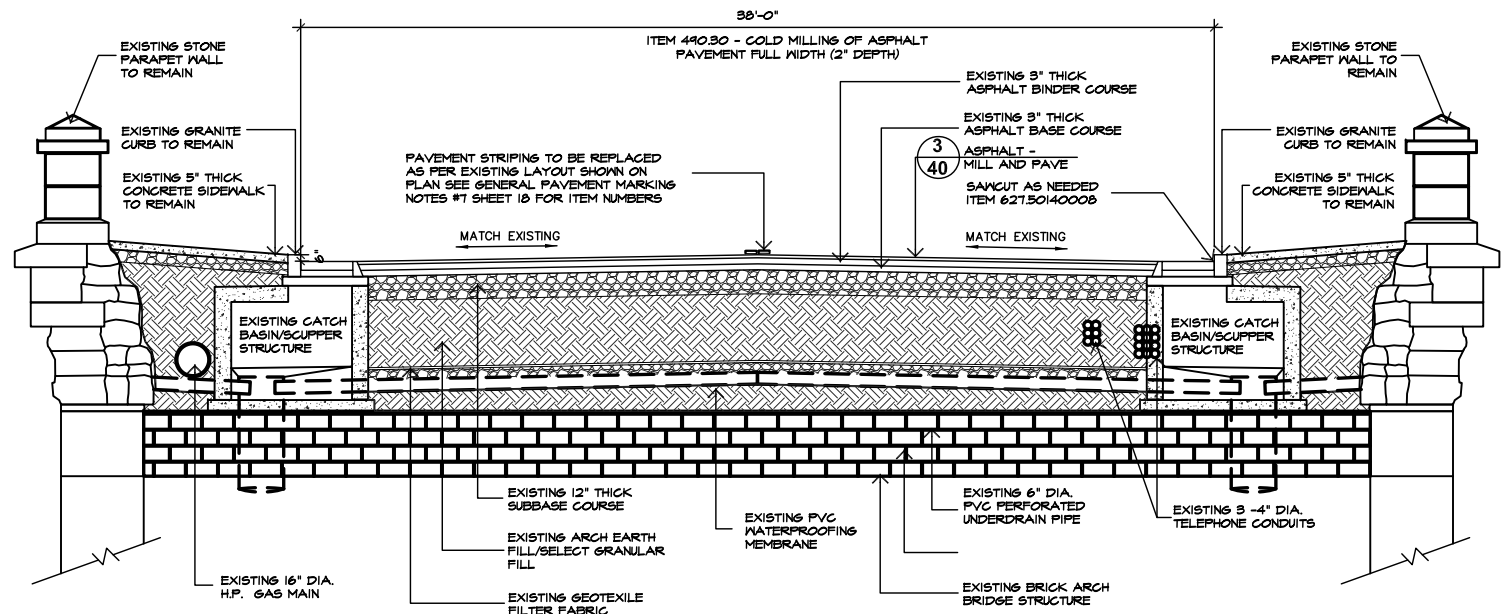
1
3 FULL WIDTH RESURFACING OF ROADWAY
STA 0+00 TO 14+00 (BROADWAY TO MAIN STREET)

SCALE $\frac{3}{8}$ " = 1'-0"



2
3 FULL WIDTH RESURFACING OF ROADWAY
STA 19+50 TO 79+72 (WASHINGTON STREET TO YONKERS CITY LINE)

SCALE $\frac{3}{8}$ " = 1'-0"



3
3 FULL WIDTH RESURFACING OF BRIDGE 3348260
STA 60+54 TO 61+51

SCALE $\frac{1}{4}$ " = 1'-0"

IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

REVISION	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION			
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<input type="checkbox"/> AS BUILT - NO CHANGES			
CONTRACTOR		PROJECT COORDINATOR	
NAME		NAME	
SIGNATURE		SIGNATURE	
TITLE		TITLE	

WESTCHESTER COUNTY, NEW YORK		CONTRACT NUMBER	SHEET NUMBER
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		16-526	3
DIVISION OF ENGINEERING		SHEET NO. 3 OF 55	
MISCELLANEOUS ROADWAY IMPROVEMENTS		SCALE: AS SHOWN	
WARBURTON AVENUE (C.R. #751)		DATE: 3/15/2018	
VILLAGE OF HASTINGS ON HUDSON, NEW YORK		DPW FILE NO.	REV. NO.
ROADWAY AND BRIDGE SECTIONS		XX-XX-X-XX-0	

GENERAL NOTES (01/08/09)

1. THE TYPICAL DETAILS DEPICTED ON THE STANDARD SHEETS AND IN THE MUTCD, REFLECT THE MINIMUM REQUIREMENTS.
2. THE CONTRACTOR MUST SUBMIT TO THE ENGINEER, IN WRITING, PROPOSED REVISIONS TO THE TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL BY THE REGIONAL DIRECTOR OR HIS/HER DESIGNEE FIVE (5) WORK DAYS PRIOR TO THE PLANNED IMPLEMENTATION OF SUCH PROPOSED REVISIONS, EXCEPT FOR CHANGES THAT ALTER THE SCOPE OF THE TRAFFIC CONTROL PLAN. SUCH CHANGES IN SCOPE MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL BY THE REGIONAL DIRECTOR OR HIS/HER DESIGNEE THIRTY (30) WORKING DAYS PRIOR TO IMPLEMENTATION OF SUCH REVISIONS.
3. THE CONTRACTOR SHALL PROVIDE THE ENGINEER, IN WRITING, WITH THE NAMES, ADDRESSES, AND TELEPHONE NUMBERS OF STAFF WHO ARE AUTHORIZED TO SECURE LABOR, MATERIALS, AND EQUIPMENT FOR EMERGENCY REPAIRS OUTSIDE NORMAL WORKING HOURS. THE ENGINEER WILL PROVIDE THE SUBMITTED INFORMATION TO REGIONAL MANAGEMENT, THE NEW YORK STATE POLICE, THE RESIDENT ENGINEER, AND THE LOCAL POLICE.

ACTIVITY AREA

1. THE CONTRACTOR SHALL MAINTAIN A MINIMUM 500' LONGITUDINAL DISTANCE BETWEEN CONSTRUCTION OPERATIONS ON ALTERNATE SIDES OF THE ROADWAY, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
2. WHEN TWO OR MORE AREAS ARE ADJACENT, OVERLAP, OR ARE IN CLOSE PROXIMITY, THE CONTRACTOR SHALL ENSURE THERE ARE NO CONFLICTING SIGNS AND THAT LANE CONTINUITY IS MAINTAINED THROUGHOUT ALL WORK AREAS.

SIGNS

1. THE LOCATIONS OF THE SIGNS SHOWN ON THE WORK ZONE TRAFFIC CONTROL PLANS AND DETAILS MAY BE ADJUSTED BASED ON SIGHT DISTANCE AND OTHER CONSIDERATIONS. THE FINAL LOCATIONS OF SIGNS ARE SUBJECT TO APPROVAL OF THE ENGINEER.
2. ANY EXISTING SIGNS, INCLUDING OVERHEAD SIGNS, WHICH CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL SIGN LAYOUT SHALL BE COVERED, REMOVED, STORED OR RESET, AS APPROVED BY THE ENGINEER. ALL APPROPRIATE EXISTING SIGNS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND/OR LOCATION UNLESS OTHERWISE REPLACED IN THIS CONTRACT.
3. SIGNS AT OR NEAR INTERSECTIONS SHALL BE PLACED SO THAT THEY DO NOT OBSTRUCT A MOTORIST'S LINE OF SIGHT.
4. ALL WARNING AND REGULATORY SIGNS SHALL BE POSTED ON BOTH SIDES OF MULTI-LANE DIVIDED HIGHWAYS, MULTI-LANE RAMPS, AND ONE-WAY STREETS. IN CASES WHERE LANE RESTRICTIONS REDUCE THE TRAVEL LANE TO ONE LANE, SIGNS SHALL BE POSTED ON THE RIGHT SIDE OF THE ACTIVE TRAVEL LANE, UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.
5. SIGNS MOUNTED ON THE MEDIAN OF DIVIDED HIGHWAYS WHERE MEDIAN BARRIER IS IN PLACE MAY BE MOUNTED ON THE BARRIER WITH A SADDLE TYPE BRACKET. LAYING THE SIGN DOWN IN A HORIZONTAL POSITION IS NOT PERMITTED.
6. THE DIMENSIONS OF WORK ZONE TRAFFIC CONTROL SIGNS ARE DESCRIBED IN THE MUTCD. ANY CHANGES TO THE DIMENSIONS SHALL BE APPROVED BY THE REGIONAL DIRECTOR OR BY HIS/HER DESIGNEE.
7. NYR9-12 MAY BE USED IN PLACE OF NYR9-11.

CHANNELIZING DEVICES

1. WHERE POSSIBLE ALL CHANNELIZING AND GUIDING DEVICES ARE TO BE PLACED SO AS TO PROVIDE A MINIMUM 2' LATERAL CLEARANCE TO THE TRAVELED WAY.

PUBLIC ACCESS

1. PROPERTY OWNERS WHOSE DRIVEWAYS WILL BE MADE INACCESSIBLE SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 24 HOURS PRIOR TO RESTRICTING USE OF THE DRIVEWAY. FOR MULTIPLE ACCESS PROPERTIES, AT LEAST ONE DRIVEWAY SHALL BE OPEN AT ALL TIMES. ACCESS SHALL BE RESTORED TO ALL DRIVEWAYS AS SOON AS POSSIBLE.

2. SUITABLE RAMPS SHALL BE INSTALLED TO MAINTAIN SMOOTH TRANSITIONS FROM RESIDENTIAL AND COMMERCIAL DRIVEWAYS TO AND FROM THE WORK AREA.

LANE CLOSURES

1. THE CONTRACTOR SHALL LOCATE LANE CLOSURES TO PROVIDE OPTIMUM VISIBILITY, I.E. BEFORE CURVES AND CRESTS, TO THE EXTENT CONDITIONS PERMIT.

2. THE ENGINEER MAY REQUIRE THAT ALL LANES BE RE-OPENED AT ANY TIME IF THE ROUTE IS NEEDED FOR EMERGENCY PURPOSES. THIS COULD INCLUDE INCIDENTS AT LOCATIONS OUTSIDE THE CONTRACT LIMITS.

LANE WIDTHS

1. UNLESS AUTHORIZED BY THE ENGINEER, THE MINIMUM LANE WIDTHS FOR WORK ZONE TRAVEL LANES SHALL BE AS FOLLOWS: FREEWAYS AND/OR EXPRESSWAYS IS 11'. THE MINIMUM LANE WIDTH FOR ALL OTHER TYPES OF ROADWAYS IS 10'.

2. THE CONTRACTOR SHALL PROVIDE A WRITTEN NOTICE TO THE ENGINEER, A MINIMUM OF 21 CALENDAR DAYS IN ADVANCE OF PERFORMING ANY WORK THAT RESULTS IN THE REDUCED WIDTH OF AN EXISTING ROADWAY, SO THAT THE ENGINEER MAY NOTIFY THE REGIONAL PERMIT ENGINEER IN A TIMELY MANNER.

TABLE NY1-A BARRIER VEHICLE USE REQUIREMENTS (LONG TERM, INTERMEDIATE TERM, AND SHORT TERM STATIONARY CLOSURES)					
CLOSURE TYPE	EXPOSURE CONDITION ¹	USE REQUIREMENTS ^{4,5}			
		FREEWAY	NON-FREEWAY (PRECONSTRUCTION POSTED SPEED LIMIT)		
			w 45 MPH	35-40 MPH	1 30 MPH
LANE CLOSURE	WORKERS ON FOOT OR IN VEHICLES EXPOSED TO TRAFFIC	REQUIRED ³	REQUIRED ³	REQUIRED ³	OPTIONAL ²
	NON-TRAVERSABLE HAZARD (IE. EQUIPMENT, MATERIALS, EXCAVATION) ONLY NO WORKERS EXPOSED	REQUIRED ³	REQUIRED ³	OPTIONAL ²	OPTIONAL ²
SHOULDER CLOSURE	WORKERS ON FOOT OR IN VEHICLES EXPOSED TO TRAFFIC	REQUIRED ³	REQUIRED ³	OPTIONAL ²	OPTIONAL ²
	NON-TRAVERSABLE HAZARD (IE. EQUIPMENT, MATERIALS, EXCAVATION) ONLY NO WORKERS EXPOSED	REQUIRED ³	OPTIONAL ²	OPTIONAL ²	OPTIONAL ²

1. THE EXPOSURE CONDITIONS DESCRIBED IN TABLE NY1-A ASSUMES THERE IS NO POSITIVE PROTECTION (TEMPORARY TRAFFIC BARRIER) PRESENT. WHERE WORKERS OR HAZARDS ARE PROTECTED BY A TEMPORARYTRAFFIC BARRIER, BARRIER VEHICLES ARE NOT REQUIRED.

2. WHERE THE REQUIREMENT IS "OPTIONAL", EITHER A BARRIER VEHICLE OR THE STANDARD LONGITUDINAL BUFFER SPACE (TABLE 6C-2) SHALL BE PROVIDED.

3. REQUIREMENTS SHALL INCLUDE PROVIDING A SEPARATE BARRIER VEHICLE FOR EACH CLOSED LANE AND EACH CLOSED PAVED SHOULDER 8' OR GREATER IN WIDTH. IF THE WORK SPACE MOVES WITHIN THE STATIONARY CLOSURE, THE BARRIER VEHICLE SHALL BE REPOSITIONED ACCORDINGLY. BARRIER VEHICLES PROTECTING NON-TRANSVERSABLE HAZARDS SHALL REMAIN IN PLACE DURING BOTH WORKING AND NON-WORKING HOURS UNTIL THE HAZARD NO LONGER EXISTS. EXCEPTIONS TO THESE REQUIREMENTS MAY BE MADE, AS APPROVED BY THE REGIONAL DIRECTOR OR HIS/HER DESIGNEE WHERE BARRIER VEHICLE PLACEMENT WOULD BE INEFFECTIVE OR WOULD INTERFERE WITH THE SAFE OPERATION OF TRAFFIC.

4. BARRIER VEHICLES ARE NOT REQUIRED FOR MILLING AND/OR PAVING OPERATIONS, BUT THE STANDARD LONGITUDINAL BUFFER SPACE (TABLE 6C-2) SHALL BE PROVIDED.

5. BARRIER VEHICLES ARE NOT REQUIRED FOR FLAGGING OPERATIONS, BUT THE STANDARD LONGITUDINAL BUFFER SPACE (TABLE6C-2) SHALL BE PROVIDED.

TABLE NY6H-3 ADVANCE WARNING SIGN SPACING						
ROAD TYPE	DISTANCE BETWEEN SIGNS			SIGN LEGEND		
	A (FT.)	B (FT.)	C (FT.)	XX	YY	
→URBAN (1 30 MPH*)	100	100	100	AHEAD	AHEAD	←
URBAN (35-40 MPH*)	200	200	200	AHEAD	AHEAD	
URBAN (w 45 MPH*)	350	350	350	1000 FT.	AHEAD	
RURAL	500	500	500	1500 FT.	1000 FT.	
EXPRESSWAY / FREEWAY	1000	1500	2640	1 MILE	? MILE	

* PRECONSTRUCTION POSTED SPEED LIMIT

URBAN: (MEETS MORE THAN 1 OF THE FOLLOWING CRITERIA) SIDEWALKS, BICYCLE USAGE, CURBING, CLOSED DRAINAGE SYSTEMS, DRIVEWAY DENSITIES GREATER THAN 24 DRIVEWAYS PER MILE, MINOR COMMERCIAL DRIVEWAY DENSITIES OF 10 DRIVEWAYS PER MILE OR GREATER, MAJOR COMMERCIAL DRIVEWAYS, NUMEROUS RIGHT OF WAY CONSTRAINTS, HIGH DENSITY OF CROSS STREETS, 85TH PERCENTILE SPEEDS OF 45 MPH OR LESS.

RURAL: ANY AREA NOT EXHIBITING MORE THAN ONE OF THE ABOVE CHARACTERISTICS

EXPRESSWAY: DIVIDED HIGHWAYS FOR TRAFFIC WITH FULL OR PARTIAL CONTROL OF ACCESS AND GENERALLY WITH GRADE SEPARATIONS AT MAJOR CROSSROADS.

FREEWAYS/INTERSTATE: LOCAL OR INTER REGIONAL HIGH-SPEED, DIVIDED, HIGH-VOLUME FACILITIES WITH FULL OR PARTIAL CONTROL OF ACCESS.

IN CHARGE OF A. VENTAROLA, P.E.
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION	

RECORD DRAWING CERTIFICATION	
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED <input type="checkbox"/> AS BUILT - NO CHANGES	
CONTRACTOR	
NAME _____ SIGNATURE _____ TITLE _____	NAME _____ SIGNATURE _____ TITLE _____

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING		CONTRACT NUMBER 16-526	SHEET NUMBER 4
MISCELLANEOUS ROADWAY IMPROVEMENTS WARBURTON AVENUE (C.R. #75I) VILLAGE OF HASTINGS ON HUDSON, NEW YORK		SHEET NO. 4 OF 55	
		SCALE: AS SHOWN DATE: 3/15/2018	
		DPW FILE NO.	
BASIC WORK TRAFFIC CONTROL NOTES		XX-XX-T-XX-0	

TABLE 6H-4 FORMULAS FOR DETERMINING TAPER LENGTHS

SPEED LIMIT (S) (MPH)	TAPER LENGTH (L) (FT.)	L = TAPER LENGTH W = WIDTH OF OFFSET (FT.) S = PRECONSTRUCTION POSTED SPEED LIMIT (MPH)
(40 MPH) OR LESS	L = WS ² /60	
(45 MPH) OR MORE	L = WS	

STANDARD TAPER LENGTHS

LATERAL SHIFT OF TRAFFIC FLOW PATH	TEMPORARY TRAFFIC CONTROL ZONE POSTED SPEED LIMIT									
	(25 MPH)	(30 MPH)	(35 MPH)	(40 MPH)	(45 MPH)	(50 MPH)	(55 MPH)	(60 MPH)	(65 MPH)	(70 MPH)
4	45	60	85	110	180	200	220	240	260	280
5	55	75	105	135	225	250	275	300	325	350
6	65	90	125	160	270	300	330	360	390	420
7	75	105	145	190	315	350	385	420	455	490
→ 8	85	120	165	215	360	400	440	480	520	560
9	95	135	185	240	405	450	495	540	585	630
10	105	150	205	270	450	500	550	600	650	700
11	115	165	225	295	495	550	605	660	715	770
12	125	180	245	320	540	600	660	720	780	840

TABLE 6C-2
LONGITUDINAL BUFFER SPACE

PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	DISTANCE
→ 25	155 FT.
→ 30	200 FT.
→ 35	250 FT.
→ 40	305 FT.
→ 45	360 FT.
→ 50	425 FT.
→ 55	495 FT.
→ 60	570 FT.
→ 65	645 FT.

WORK DURATION DEFINITIONS

LONG-TERM STATIONARY IS WORK THAT OCCUPIES A LOCATION MORE THAN 3 CONSECUTIVE DAYS.

INTERMEDIATE-TERM STATIONARY IS WORK THAT OCCUPIES A LOCATION MORE THAN ONE DAYLIGHT PERIOD UP TO 3 CONSECUTIVE DAYS, OR NIGHTTIME WORK LASTING MORE THAN 1 HOUR.

SHORT-TERM STATIONARY IS DAYTIME WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR WITHIN A SINGLE DAYLIGHT PERIOD.

SHORT DURATION IS WORK THAT OCCUPIES A LOCATION UP TO 1 HOUR.

MOBILE IS WORK THAT MOVES INTERMITTENTLY OR CONTINUOUSLY.

WORK ZONE TRAFFIC CONTROL LEGEND

SYMBOL	DESCRIPTION		LUMINAIRE
	ARROW PANEL		PAVEMENT MARKINGS THAT SHALL BE REMOVED FOR A LONG TERM PROJECT
	ARROW PANEL, CAUTION MODE		SIGN, TEMPORARY
	ARROW PANEL TRAILER OR SUPPORT		TEMPORARY BARRIER
	CHANGEABLE MESSAGE SIGN (PVMS)		TEMPORARY BARRIER WITH WARNING LIGHTS
	CHANNELIZING DEVICE		TRAFFIC OR PEDESTRIAN SIGNAL
	CRASH CUSHION/TEMPORARY IMPACT ATTENUATOR		TYPE III BARRICADE
	DIRECTION OF TEMPORARY TRAFFIC DETOUR		WARNING LIGHTS
	DIRECTION OF TRAFFIC		WORK SPACE
	FLAGGER		WORK VEHICLE
	FLAG TREE		WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR

- and unloading of passengers on roads within the contract limits that are serviced by motor buses. The Contractor shall be liable and responsible for the materials and workmanship required to provide adequate and safe crossing structures for pedestrians.

12. All construction signs shall have a fluorescent orange background and black letters and border unless otherwise specified, orange construction sign material requirements shall be: 1) Scotchlite durable fluorescent diamond grade sheeting (3924/g orange) as manufactured by the 3M company, or 2) Stimsomite's fluorescent orange high-performance grade retroreflective sheeting no. 4370, or approved equal. Sign materials must be in compliance with most recent version of NYSDOT specifications and MUTCD/NYS Supplement. All signs are to be in good condition with Type IV characters. Faded and deteriorated panels, as well as non-standard text will not be acceptable.

-
- The diagram illustrates a road construction site with a crosswalk closure and a road work ahead sign. The road is divided into travel lanes, shoulders, and sidewalks. A crosswalk is shown with a 'SIDEWALK CLOSED' sign (R9-10) and a 'ROAD WORK AHEAD' sign (W20-1). The sign is placed on the shoulder, with a 'SIDEWALK CLOSED' sign (R9-10) placed on the sidewalk. The diagram also shows a 'ROAD WORK AHEAD' sign (W20-1) on the shoulder, with a 'SIDEWALK CLOSED' sign (R9-10) placed on the sidewalk. The diagram includes various other signs and markings, such as 'SIDEWALK CLOSED' (R9-10), 'ROAD WORK AHEAD' (W20-1), and 'SIDEWALK CLOSED' (R9-10). The diagram also shows a 'ROAD WORK AHEAD' sign (W20-1) on the shoulder, with a 'SIDEWALK CLOSED' sign (R9-10) placed on the sidewalk. The diagram includes various other signs and markings, such as 'SIDEWALK CLOSED' (R9-10), 'ROAD WORK AHEAD' (W20-1), and 'SIDEWALK CLOSED' (R9-10).

NOTES:

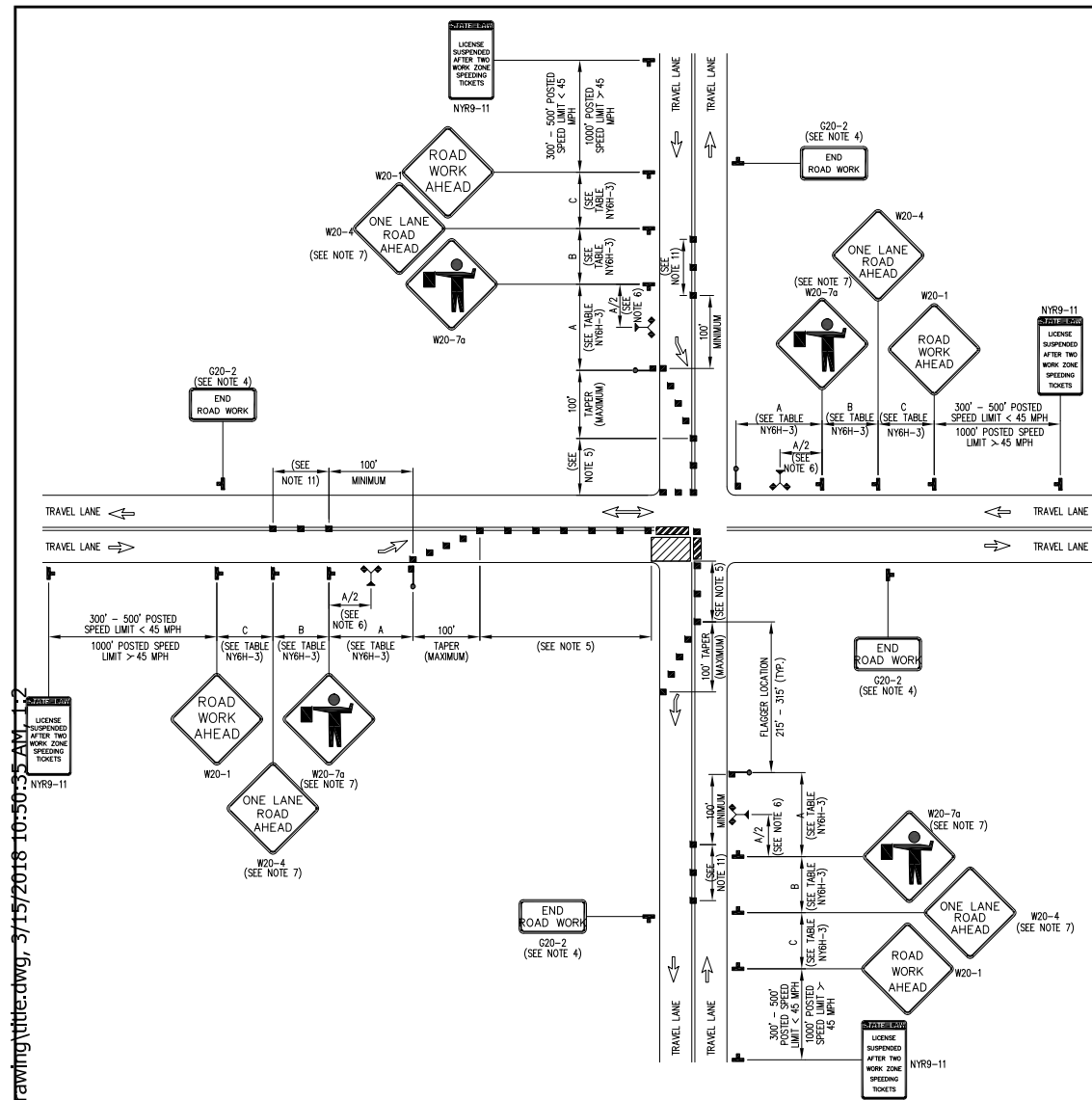
- IN CHARGE OF A. VENTAROLA, P.E.
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

RECORD DRAWING CERTIFICATION	
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CONTRACTOR	PROJECT COORDINATOR
NAME _____	NAME _____
SIGNATURE _____	SIGNATURE _____
TITLE _____ DATE _____	TITLE _____ DATE _____

BASIC WORK TRAFFIC CONTROL PLANS I

CONTRACT NUMBER 16-526	SHEET NUMBER 5
SHEET NO. 5 OF 55	
SCALE: AS SHOWN DATE: 3/15/2018	
DPW FILE NO. XX-XX-T-XX-0	REV. NO.

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CONSTRUCTION WORK AND ROADWAY INTERSECTION NOTES

1. AT SIGNALIZED INTERSECTIONS, SIGNALS SHALL BE TURNED OFF FOR ANY FLAGGING OPERATIONS, UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.
2. WHEN PAVED SHOULDERS HAVING A WIDTH OF 8' OR MORE ARE CLOSED, CHANNELIZING DEVICES SHALL BE USED TO CLOSE THE SHOULDER IN ADVANCE TO DELINEATE THE BEGINNING OF THE WORK AREA AND DIRECT VEHICULAR TRAFFIC TO REMAIN IN THE TRAVEL WAY.
3. CHANNELIZING DEVICE SPACING (CENTER TO CENTER) SHALL NOT EXCEED 40' IN THE ACTIVE WORK ZONE.
4. THE END ROAD WORK SIGN (G20-2) SHALL BE PLACED A MAXIMUM OF 500' PAST THE END OF THE WORK SPACE.
5. WHERE DIRECTED BY THE ENGINEER, A BUFFER SPACE SHALL BE PROVIDED IN ORDER TO LOCATE THE ONE-LANE, TWO-WAY TRAFFIC TAPER PRIOR TO ANY HORIZONTAL OR VERTICAL CURVE, IN ORDER TO PROVIDE ADEQUATE SIGHT DISTANCE FOR THE FLAGGERS AND/OR A QUEUE OF STOPPED VEHICLES.
6. THE FLAG TREE SHALL BE LOCATED ON THE SHOULDER, AT APPROXIMATELY 1/3 THE DISTANCE BETWEEN THE FLAGGER SIGN (W20-7a) AND THE FLAGGER.
7. FLAGGER SIGN (W20-7a) AND ONE LANE ROAD AHEAD SIGN (W20-4) SHALL BE REMOVED, COVERED OR TURNED AWAY FROM ROAD USERS WHEN FLAGGING OPERATIONS ARE NOT OCCURRING.
8. FLAGGER AND FLAG TREE SHALL BE ILLUMINATED TO LEVEL II ILLUMINATION DURING NIGHT TIME OPERATIONS.
9. ALL FLAGGERS SHALL USE 24" (MIN.) OCTAGON SHAPED STOP/SLOW PADDLES HAVING 6" STAFF.
10. ADDITIONAL FLAGGERS SHALL BE LOCATED AT ALL INTERSECTIONS AND COMMERCIAL DRIVEWAYS LOCATED WITHIN OR NEAR THE ACTIVE WORK AREA.
11. CENTERLINE CHANNELIZING DEVICES ARE OPTIONAL AND MAY BE ELIMINATED WHERE SPACE CONSTRAINTS EXIST.
12. NO WORK ACTIVITY, EQUIPMENT, OR STORAGE OF VEHICLES, OR MATERIAL SHALL OCCUR WITHIN THE BUFFER SPACE AT ANY TIME.
13. FOR PEDESTRIAN DETOUR ACCOMMODATIONS REFER TO THE STANDARD SHEETS TITLED 'SIDEWALK DETOUR OR DIVERSION' AND CROSSWALK CLOSURE AND PEDESTRIAN DETOUR".

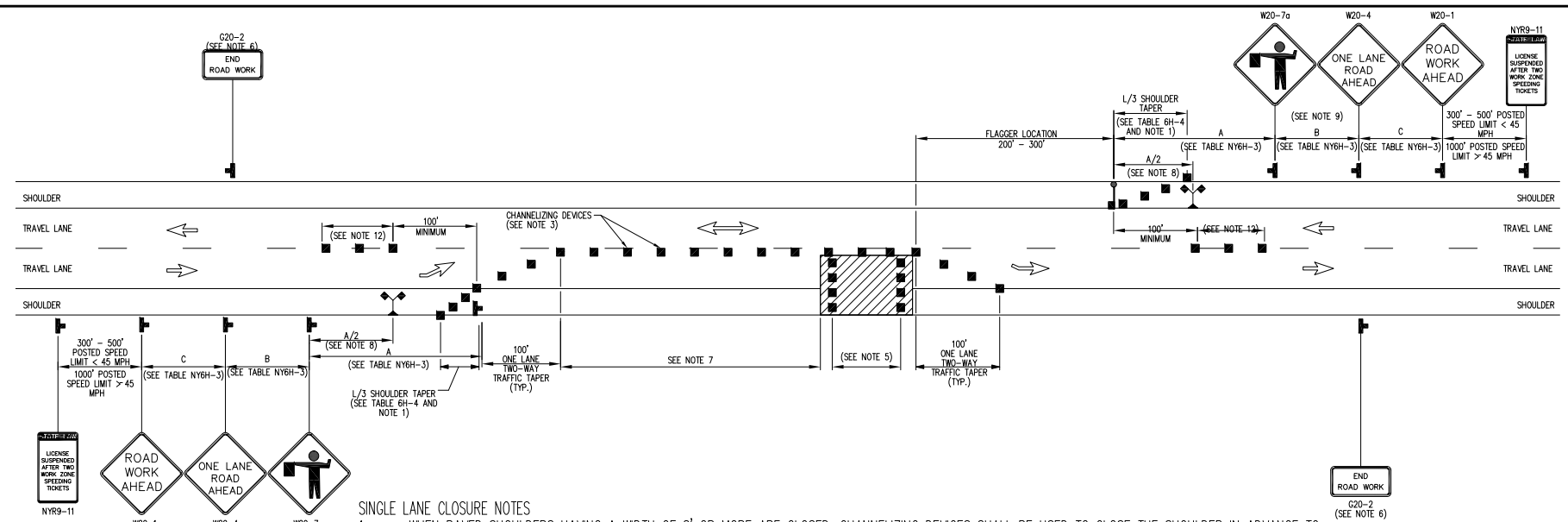
CONSTRUCTION WORK AT ROADWAY INTERSECTION

FLAGGING OPERATION
SHORT OR INTERMEDIATE TERM STATIONARY
LANE CLOSURE AT OR NEAR INTERSECTION
(NOT TO SCALE)

NYS DOT STANDARD SHEETS 619.61

IN CHARGE OF A. VENTAROLA, P.E.
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

REVISION	DATE	MADE BY	APP'D BY	REVISION	

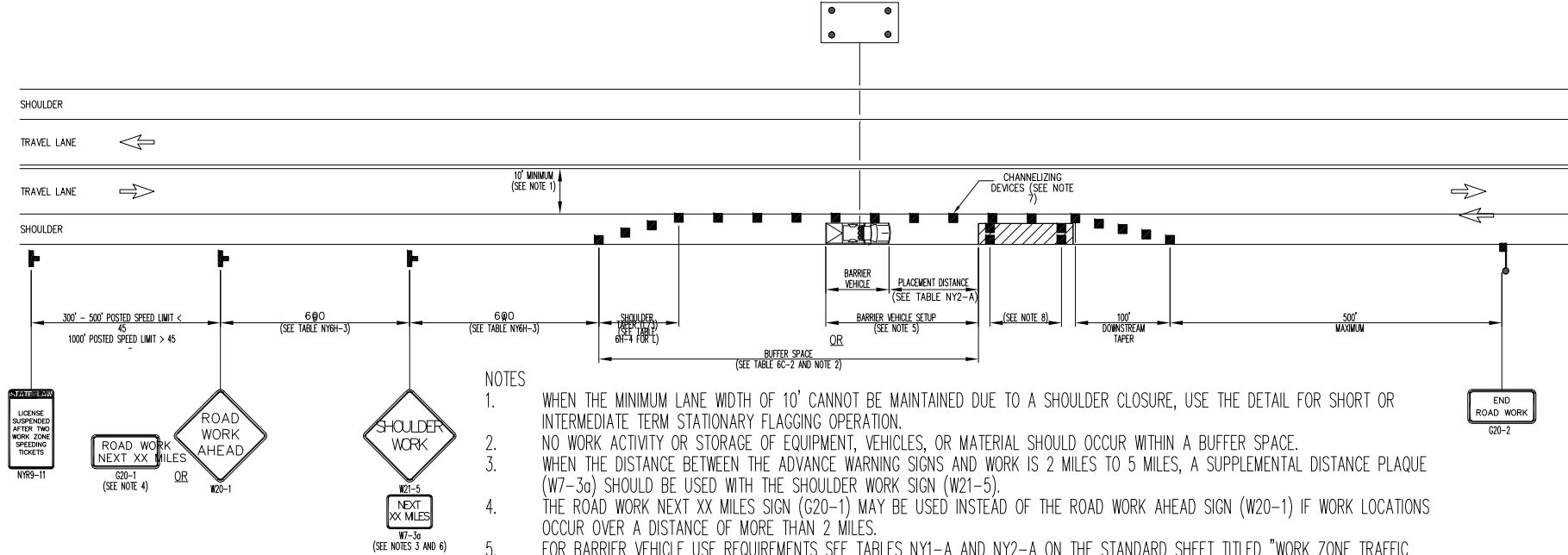


SINGLE LANE TRAFFIC
FLAGGING OPERATION
SHORT OR INTERMEDIATE TERM STATIONARY
LANE CLOSURE ON 2-LANE 2-WAY ROADWAY
(NOT TO SCALE)

NYS DOT STANDARD SHEETS # 619.60

SINGLE LANE CLOSURE NOTES

1. WHEN PAVED SHOULDERS HAVING A WIDTH OF 8' OR MORE ARE CLOSED, CHANNELIZING DEVICES SHALL BE USED TO CLOSE THE SHOULDER IN ADVANCE TO DELINEATE THE BEGINNING OF THE WORK AREA AND DIRECT VEHICULAR TRAFFIC TO REMAIN IN THE TRAVEL WAY.
2. WHEN A SIDE ROAD OR DRIVEWAY INTERSECTS THE ROADWAY WITHIN A WORK ZONE TRAFFIC CONTROL AREA, ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES AND/OR FLAGGERS SHALL BE PLACED AS NEEDED. ADDITIONAL FLAGGERS SHALL BE LOCATED AT ALL INTERSECTIONS AND COMMERCIAL DRIVEWAYS LOCATED WITHIN OR NEAR THE ACTIVE WORKSPACE.
3. NO WORK ACTIVITY, EQUIPMENT, OR STORAGE OF VEHICLES, OR MATERIAL SHALL OCCUR WITHIN THE BUFFER SPACE AT ANY TIME.
4. CHANNELIZING DEVICE SPACING (CENTER TO CENTER) SHALL NOT EXCEED 40' IN THE ACTIVE WORK SPACE.
5. TRANSVERSE DEVICES SHALL BE REQUIRED (AS PER 619 STANDARD SPECIFICATIONS) WHEN A PAVED SHOULDER HAVING A WIDTH OF 8' OR GREATER IS CLOSED FOR A DISTANCE GREATER THAN 1500'.
6. THE END ROAD WORK SIGN (G20-2) SHALL BE PLACED A MAXIMUM 500' PAST THE END OF THE WORK SPACE.
7. WHERE DIRECTED BY THE ENGINEER, A BUFFER SPACE SHALL BE PROVIDED IN ORDER TO LOCATE THE ONE-LANE, TWO-WAY TRAFFIC TAPER PRIOR TO ANY HORIZONTAL OR VERTICAL CURVE, IN ORDER TO PROVIDE ADEQUATE SIGHT DISTANCE FOR THE FLAGGERS AND/OR A QUEUE OF STOPPED VEHICLES.
8. THE FLAG TREE SHALL BE LOCATED ON THE SHOULDER, AT APPROXIMATELY 1/3 THE DISTANCE BETWEEN THE FLAGGER SIGN (W20-7a) AND THE FLAGGER.
9. FLAGGER SIGN (W20-7a) AND ONE LANE ROAD AHEAD SIGN (W20-4) SHALL BE REMOVED, COVERED OR TURNED AWAY FROM ROAD USERS WHEN FLAGGING OPERATIONS ARE NOT OCCURRING.
10. FLAGGER AND THE FLAG TREE SHALL BE ILLUMINATED TO THE LEVEL II ILLUMINATION DURING NIGHT TIME OPERATIONS.
11. ALL FLAGGERS SHALL USE 24" (MIN.) OCTAGON SHAPED STOP/SLOW PADDLES HAVING A 6" STAFF.
12. CENTERLINE CHANNELIZING DEVICES ARE OPTIONAL AND MAY BE ELIMINATED WHERE SPACE CONSTRAINTS EXIST.



NOTES

1. WHEN THE MINIMUM LANE WIDTH OF 10' CANNOT BE MAINTAINED DUE TO A SHOULDER CLOSURE, USE THE DETAIL FOR SHORT OR INTERMEDIATE TERM STATIONARY FLAGGING OPERATION.
2. NO WORK ACTIVITY OR STORAGE OF EQUIPMENT, VEHICLES, OR MATERIAL SHOULD OCCUR WITHIN A BUFFER SPACE.
3. WHEN THE DISTANCE BETWEEN THE ADVANCE WARNING SIGNS AND WORK IS 2 MILES TO 5 MILES, A SUPPLEMENTAL DISTANCE PLAQUE (W7-3a) SHOULD BE USED WITH THE SHOULDER WORK SIGN (W21-5).
4. THE ROAD WORK NEXT XX MILES SIGN (G20-1) MAY BE USED INSTEAD OF THE ROAD WORK AHEAD SIGN (W20-1) IF WORK LOCATIONS OCCUR OVER A DISTANCE OF MORE THAN 2 MILES.
5. FOR BARRIER VEHICLE USE REQUIREMENTS SEE TABLES NY1-A AND NY2-A ON THE STANDARD SHEET TITLED "WORK ZONE TRAFFIC CONTROL LEGENDS AND NOTES".
6. IN THOSE SITUATIONS WHERE MULTIPLE WORK LOCATIONS EXIST WITHIN A LIMITED DISTANCE MAKE IT PRACTICAL TO PLACE STATIONARY SIGNS, THE DISTANCE BETWEEN THE ADVANCE WARNING SIGN AND WORK SHALL NOT EXCEED 5 MILES.
7. CHANNELIZING DEVICE SPACING (CENTER TO CENTER) SHALL NOT EXCEED 40' IN THE ACTIVE WORK SPACE.
8. TRANSVERSE DEVICES SHALL BE REQUIRED (AS PER 619 STANDARD SPECIFICATIONS) WHEN A PAVED SHOULDER HAVING A WIDTH OF 8' OR GREATER IS CLOSED FOR A DISTANCE GREATER THAN 1500'.

SHOULDER CLOSURE
SHORT OR INTERMEDIATE TERM STATIONARY
2-LANE 2-WAY ROADWAY
(NOT TO SCALE)

RECORD DRAWING CERTIFICATION

- ☐ AS BUILT - CHANGES AS NOTED
☐ AS BUILT - NO CHANGES

CONTRACTOR

NAME _____
SIGNATURE _____
TITLE _____ DATE _____

PROJECT COORDINATOR

NAME _____
SIGNATURE _____
TITLE _____ DATE _____

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION

DIVISION OF ENGINEERING

MISCELLANEOUS ROADWAY IMPROVEMENTS
WARBURTON AVENUE (C.R. #751)
VILLAGE OF HASTINGS ON HUDSON, NEW YORK

BASIC WORK TRAFFIC CONTROL PLANS II

CONTRACT
NUMBER
16-526

SHEET
NUMBER
6

SHEET NO. 6 OF 55

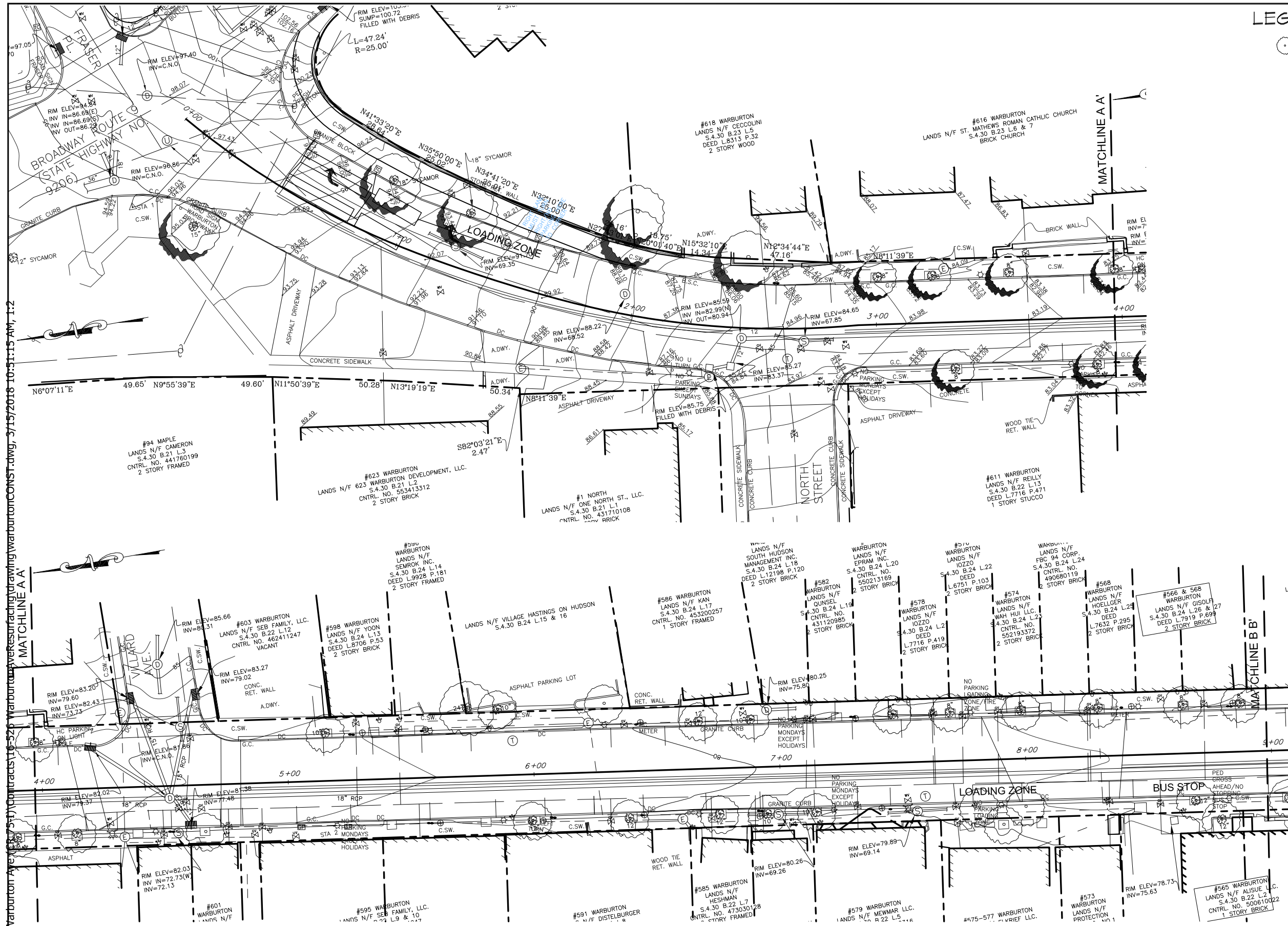
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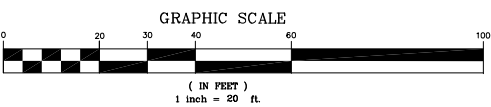
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LEGEND

EXISTING TREE TO REMAIN

EXISTING FEATURE			
⊙	Unknown Manhole	☆	Light Pole
⊙	Sewer Manhole	⊗	Gas Valve
⊙	Drain Manhole	⊗	Water Valve
⊙	Electric Manhole	⊗	Water Meter
⊙	Telephone Manhole	⊗	Hydrant
⊙	Guy Pole	⊗	Sign
⊙	Utility Pole	⊗	Traffic Box
⊙	Catch Basin	⊗	Parking Meter



IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

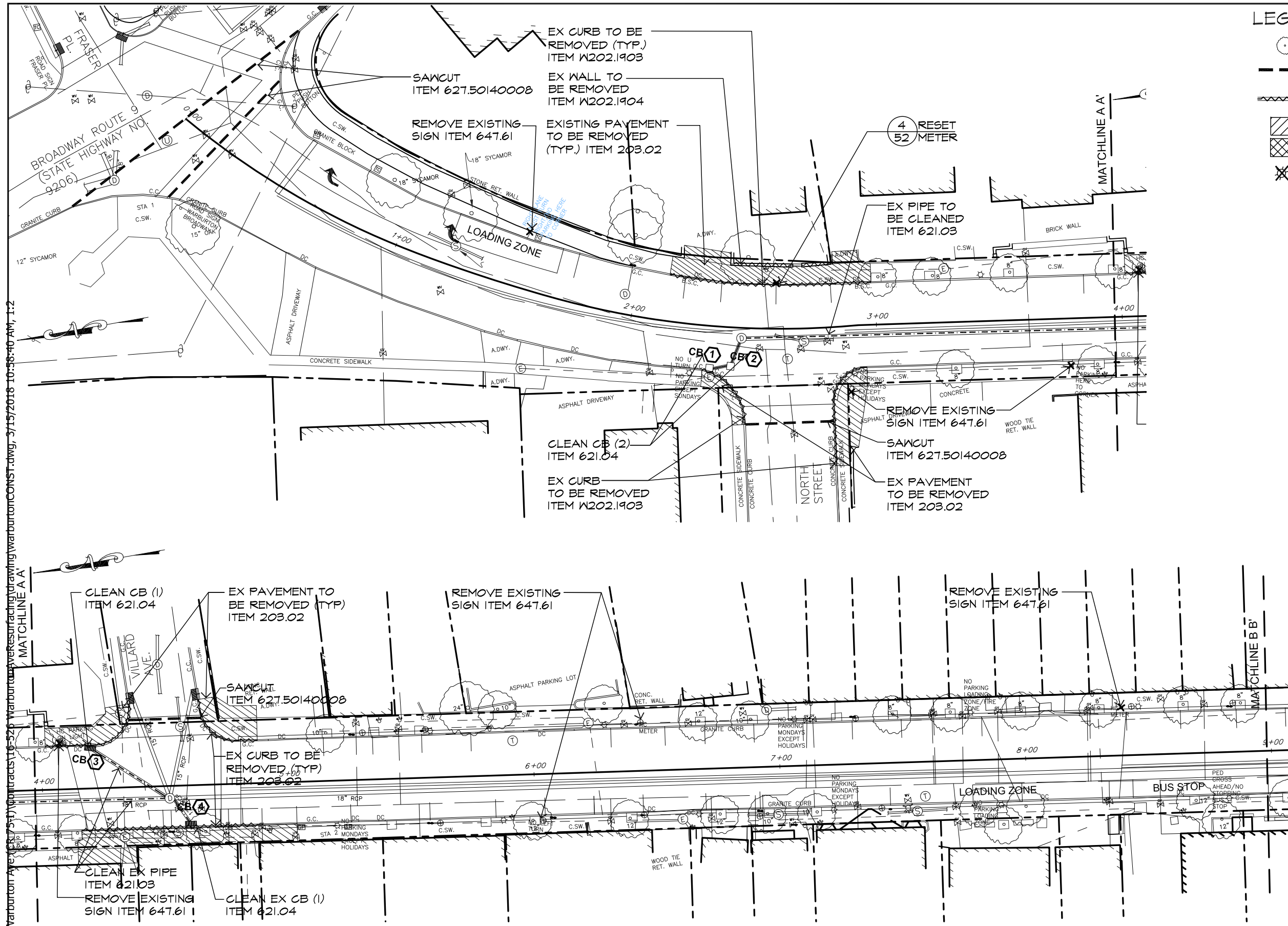
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RECORD DRAWING CERTIFICATION			
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CONTRACTOR		PROJECT COORDINATOR	
NAME		NAME	
SIGNATURE		SIGNATURE	
TITLE		TITLE	
DATE		DATE	

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING		CONTRACT NUMBER 16-526	SHEET NUMBER 7
MISCELLANEOUS ROADWAY IMPROVEMENTS WARBURTON AVENUE (C.R. #751) VILLAGE OF HASTINGS ON HUDSON, NEW YORK		SHEET NO. 7 OF 55 SCALE: 1" = 20'-0" DATE: 3/15/2018	
EXISTING CONDITIONS PLAN		DPW FILE NO. XX-XX-X-XX-0	REV. NO.

AREA A

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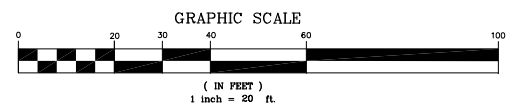


LEGEND

- EXISTING TREE TO REMAIN
- PAVEMENT LIMIT LINE & ASPHALT OVERLAY SPLICE (OUTER SANCUT)
- EXISTING CURB, WALL, OR FENCE TO BE REMOVED COMPLETELY
- EXISTING PAVEMENT TO BE REMOVED COMPLETELY ITEM 203.02
- CLEAR & GRUB ITEM 201.06
- REMOVE/RESET EXISTING SITE FEATURE

EXISTING FEATURE			
⊙	Unknown Manhole	☆	Light Pole
⊙	Sewer Manhole	⊗	Gas Valve
⊙	Drain Manhole	⊗	Water Valve
⊙	Electric Manhole	⊗	Water Meter
⊙	Telephone Manhole	⊗	Hydrant
⊙	Guy Pole	⊗	Sign
⊙	Utility Pole	⊗	Traffic Box
⊙	Catch Basin	⊗	Parking Meter

- SITE PREPARATION AND REMOVALS NOTES**
- 1) The contractor shall comply with all applicable codes and regulations governing the work. The contractor shall coordinate demolition with applicable agencies, utility companies and/or subcontractors.
 - 2) Unless otherwise noted, all existing sewers, gas, water, electric utility lines and related structures within the contract area shall remain. All storm drainage pipes to be removed are noted on the contract drawings. If abandoned pipes are encountered during excavations, remove pipe in area of excavation and plug pipe at end of excavation. Cost to be included under respective excavation item.
 - 3) Unless otherwise noted, all existing pavements, perimeter curbs, fencing, structures and plant material are to remain. The contractor shall exercise care during construction to avoid disturbing or damaging any existing above grade or subgrade structures, concrete curbs, pavements, perimeter fencing, plant materials which are intended to remain. Any damage resulting from this work shall be restored by the contractor to the satisfaction of the construction administrator at no expense to the County.
 - 4) Where new construction abuts existing pavements, curbs or walls, the existing materials shall be cleanly sawcut to provide a clean neat match and a smooth, flush transition, as directed by the construction administrator. All sawcutting shall be done to neat and straight accurate lines.
 - 5) All footings and other below grade structures to be abandoned or removed shall be excavated to a depth of 4'-0" below finished grade and backfilled with approved suitable material.
 - 6) All refuse and debris derived from demolition operations as specified in the contract drawings or as otherwise generated by the construction of this contract shall become the property of the contractor. The contractor shall provide for the legal removal and disposition of all construction refuse and debris, off site. Upon completion, the contractor shall leave the site free and clear of all refuse and debris, and in a broom swept condition.
 - 7) Unless otherwise specified in the contract, removal of all pavements, concrete curbs and concrete piers are to be paid for under unclassified excavation and disposal, Item # 203.02.
 - 8) Unless otherwise specified in the contract, removal of all vegetation, fences, gates, logs and timber structures are to be paid for under clearing and grubbing, Item # 201.0x. Removal of fallen trees (trees not standing) and logs of any size and caliper shall also be paid for under clearing and grubbing, Item # 201.0x.
 - 9) The contractor shall take extreme care to protect all existing trees to remain and their root systems. Bulk material, equipment or vehicles shall not be stockpiled or parked within the drip line of trees. Any excavation within drip lines shall be kept to a minimum and must be completed by hand only in the presence of the construction administrator at no additional cost to the County. The contractor shall assume responsibility for any remedial work such as root and top pruning required or necessary to prevent loss of plant material. All corrective work shall be according to standard acceptable horticultural practices and as directed by the construction administrator.



IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

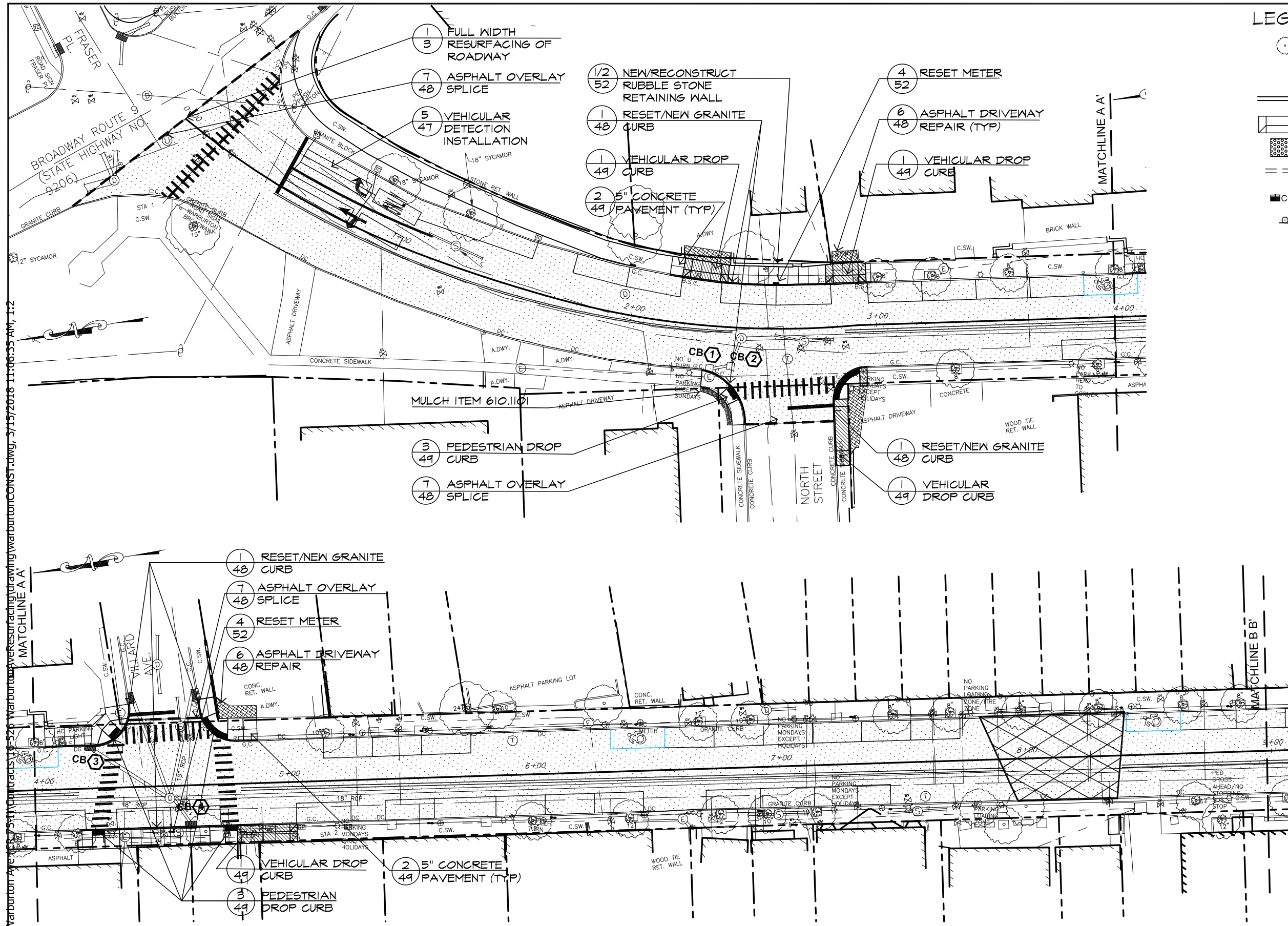
REVISION	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION			
AS BUILT - CHANGES AS NOTED		AS BUILT - NO CHANGES	
CONTRACTOR			
NAME		NAME	
SIGNATURE		SIGNATURE	
TITLE		TITLE	
DATE		DATE	

WESTCHESTER COUNTY, NEW YORK		CONTRACT NUMBER	SHEET NUMBER
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		16-526	8
DIVISION OF ENGINEERING		SHEET NO. 8 OF 55	
MISCELLANEOUS ROADWAY IMPROVEMENTS		SCALE: 1" = 20'-0"	
WARBURTON AVENUE (C.R. #751)		DATE: 3/15/2018	
VILLAGE OF HASTINGS ON HUDSON, NEW YORK		DPW FILE NO.	REV. NO.
SITE PREPARATION & REMOVALS PLAN		XX-XX-X-XX-0	

AREA A

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LEGEND

EXISTING TREE TO REMAIN

RESET/NEW GRANITE CURB

VEHICULAR DROP CURB

TRUNCATED COMES FOR PEDESTRIAN DROP CURB

NEW ROOF LEADER CONNECTION

CATCH BASIN (SEE CHART FOR WORK DESCRIPTION SHEET 12)

SIGN

ASPHALT - MILL & PAVE

ASPHALT DRIVEWAY REPAIR

LAWN RESTORATION

5" CONCRETE PAVEMENT

7" CONCRETE PAVEMENT

3

48

6

48

2

47

2

49

5

49

EXISTING FEATURE

⊙

Unknown Manhole

☆

Light Pole

⊙

Sewer Manhole

⊙

Gas Valve

⊙

Drain Manhole

⊙

Water Valve

⊙

Electric Manhole

⊙

Water Meter

⊙

Telephone Manhole

⊙

Hydrant

⊙

Guy Pole

⊙

Sign

⊙

Utility Pole

⊙

Traffic Box

⊙

Catch Basin

⊙

Parking Meter

MATERIAL NOTES

1) All new work shall meet existing conditions neatly and smoothly.

2) All exposed finished surfaces shall be treated, cleaned, vacuumed or polished in accordance with the manufacturer's recommendations.

3) All adjacent surfaces are to be protected from painting, asphaltting, installing concrete pavements or any other types of surface treatments that can cause stains or damage. Any stains or damages to adjacent surfaces shall be restored, repaired or replaced at the contractor's expense to the satisfaction of the construction administrator.

4) The contractor shall exercise care during excavation to avoid disturbing any adjacent or underground existing utility lines. Any damage resulting from this construction shall be the contractor's responsibility and shall be restored to the satisfaction of the construction administrator.

5) The plans show above-ground structures and/or utilities believed to exist within the project limits. The contractor is warned that the exact or even approximate location of pipeline, subsurface structures and/or utilities believed to exist in the project area are not warranted to be accurate.

6) It is incumbent upon the contractor to verify/locate all utilities within the project area prior to commencing work. Unless separate payment is otherwise provided for in the contract, all costs associated with marking/locating underground utilities including, but not limited to hiring a utility tracing company, shall be deemed included in the various items of the contract. No Direct Payment.

LAYOUT NOTES

1) Written dimensions shall prevail.

2) All wood and metal dimensions are nominal unless otherwise specified.

3) All angles are 90 degrees unless otherwise specified.

4) All dimensions pertaining to layout of curbs and/or walls are from face of curb/wall unless otherwise specified.

5) Locations of all existing trees shall be verified in the field.

6) Changes shall not be made to the design or layout without prior approval of the Engineer.

7) Any new paths, drives or roads shall be constructed to have smooth curves with indistinguishable tangents. It is the design intent to have long smooth sinuous "s" curves. All transitions between straight sections and curves shall be gentle and smooth.

8) The Engineer and/or the construction administrator reserve the right to check any and all lines, grades and measurements of the work staked out by the contractor for their approval prior to allowing the contractor proceed with construction. The engineer and/or construction administrator reserve the right to make minor modifications to the design or layout of the work as needed.

GRAPHIC SCALE

0

20

40

60

80

100

(IN FEET)

1 inch = 20' ft.

IN CHARGE OF A. VENTAROLA

CHECKED BY S. LOPANE

MADE BY K. SITZMAN

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

AS BUILT - CHANGES AS NOTED

AS BUILT - NO CHANGES

CONTRACTOR

PROJECT COORDINATOR

NAME

SIGNATURE

TITLE

NAME

SIGNATURE

TITLE

DATE

DATE

WESTCHESTER COUNTY, NEW YORK

DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION

DIVISION OF ENGINEERING

MISCELLANEOUS ROADWAY IMPROVEMENTS

WARBURTON AVENUE (C.R. #751)

VILLAGE OF HASTINGS ON HUDSON, NEW YORK

LAYOUT AND MATERIALS PLAN

CONTRACT NUMBER

16-526

SHEET NUMBER

9

SHEET NO. 9 OF 55

SCALE: 1" = 20'-0"

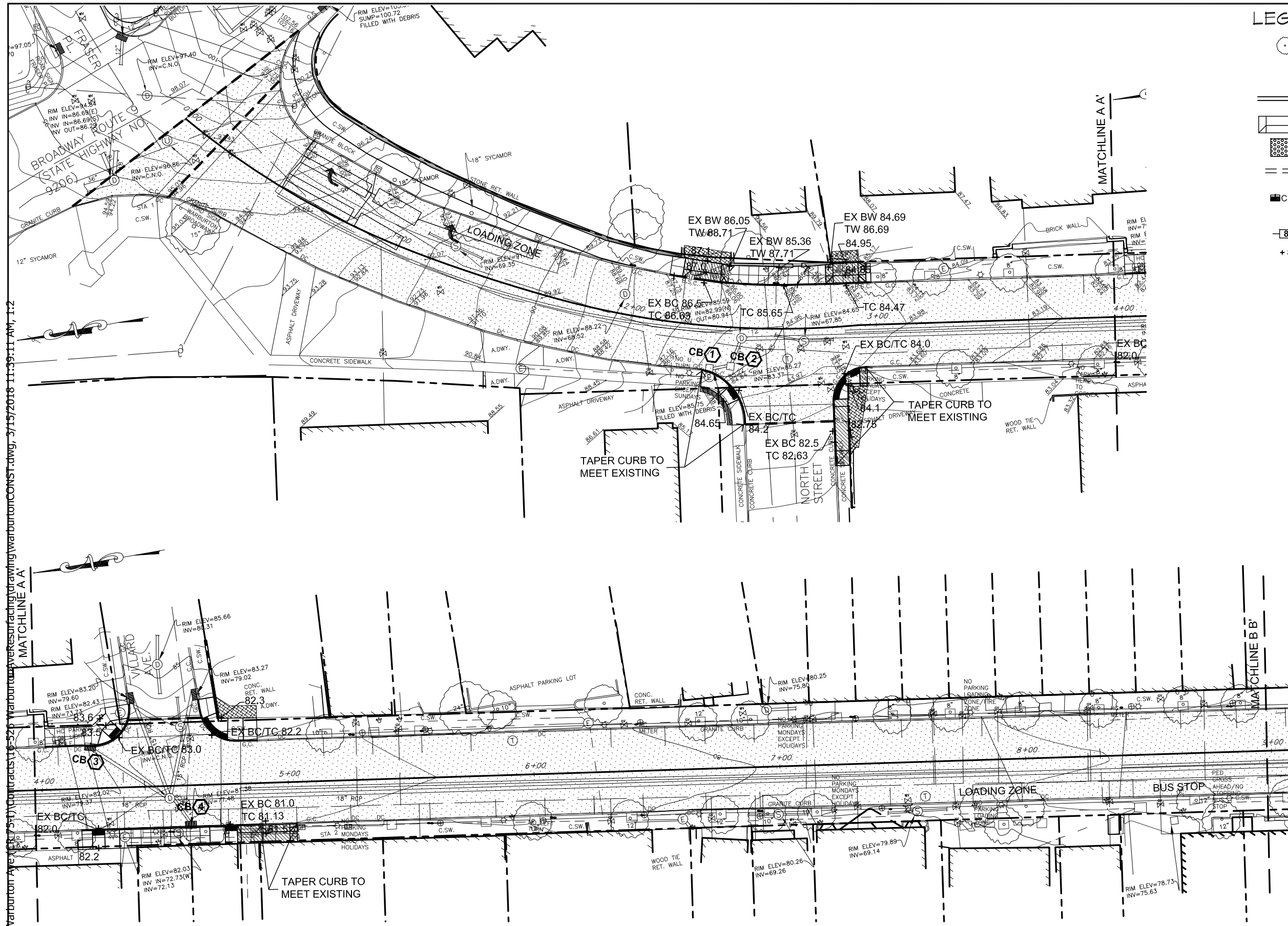
DATE: 3/15/2018

DPW FILE NO.

XX-XX-X-XX-0

REV. NO.

X:\HIGHWAYS\ROADS\Warburton Avenue\16-52p Warburton Avenue\Resurfacing\drawing\warburtonCONST.dwg, 3/15/2018 11:39:11 AM, 1:2



LEGEND

EXISTING TREE TO REMAIN

RESET/NEW GRANITE CURB

VEHICULAR DROP CURB

TRUNCATED COMES FOR PEDESTRIAN DROP CURB

NEW ROOF LEADER CONNECTION

CATCH BASIN (SEE CHART FOR WORK DESCRIPTION SHEET 12)

SIGN

PROPOSED CONTOURS

PROPOSED SPOT ELEVATION

48

48

49

49

49

49

49

49

3

6

2

2

5

48

48

47

49

49

ASPHALT - MILL & PAVE

ASPHALT DRIVEWAY REPAIR

LAWN RESTORATION

5" CONCRETE PAVEMENT

7" CONCRETE PAVEMENT

EXISTING FEATURE

Unknown Manhole

Sewer Manhole

Drain Manhole

Electric Manhole

Telephone Manhole

Guy Pole

Utility Pole

Catch Basin

Light Pole

Gas Valve

Water Valve

Water Meter

Hydrant

Sign

Traffic Box

Parking Meter

GRADING AND UTILITY NOTES

1) The locations of all utilities are diagrammatic. Where new utilities are to cross or connect to existing utilities, the contractor shall make preliminary investigations including but not limited to all necessary excavation to determine if the work can be completed as shown. Any changes required by field conditions shall be approved by the construction administrator prior to commencement of work.

2) All pavement shall be installed to smooth even grade with no patching or irregularities. New pavement shall meet existing pavement flush and evenly.

3) All finished surfaces shall be true to grade and even, free of roller marks and free of low spots where water will puddle. The contractor shall perform a water test on the finished surfaces by applying sufficient water on all new surfaces to test the drainage patterns, as directed by the construction administrator.

4) The contractor shall prevent against low spots where water can collect, as well as any possible re-direction of runoff onto private property and shall take whatever corrective measures are necessary. The contractor shall be responsible to correct any deleterious water ponding areas at no expense to the County.

5) Location of catch basins, drop inlets, surface drains, manholes and dry wells (where shown in plans) are diagrammatic only. The construction administrator may direct the contractor to shift the location of a drainage structure or adjust grading to provide positive drainage or to avoid significant tree roots.

6) The contractor shall keep all roadways and access drives used for hauling of materials and equipment free from soil and debris. The contractor shall be responsible for any damage and/or spills caused by his operations and shall be required to make repairs and/or cleanup debris including but not limited to street sweeping at no expense to the County.

7) Minimum cover of pipes shall be 2'-0" from finished grade to top of pipe, except where noted otherwise.

8) All drainage pipes shall be pitched at 1% minimum except where noted otherwise.

9) There shall be no discharge of runoff or other effluent over or through any bulkhead or shoreline stabilization structure or into any tidal wetland, stream or adjacent area.

IN CHARGE OF A. VENTAROLA

CHECKED BY S. LOPANE

MADE BY K. SITZMAN

RECORD DRAWING CERTIFICATION

AS BUILT - CHANGES AS NOTED

AS BUILT - NO CHANGES

CONTRACTOR

PROJECT COORDINATOR

NAME

SIGNATURE

TITLE

DATE

NAME

SIGNATURE

TITLE

DATE

REVISION NUMBER

DATE

MADE BY

APP'D BY

REVISION

WESTCHESTER COUNTY, NEW YORK

DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION

DIVISION OF ENGINEERING

MISCELLANEOUS ROADWAY IMPROVEMENTS

WARBURTON AVENUE (C.R. #751)

VILLAGE OF HASTINGS ON HUDSON, NEW YORK

GRADING AND DRAINAGE PLAN

CONTRACT NUMBER 16-526

SHEET NUMBER 11

SHEET NO. 11 OF 55

SCALE: 1" = 20'-0"

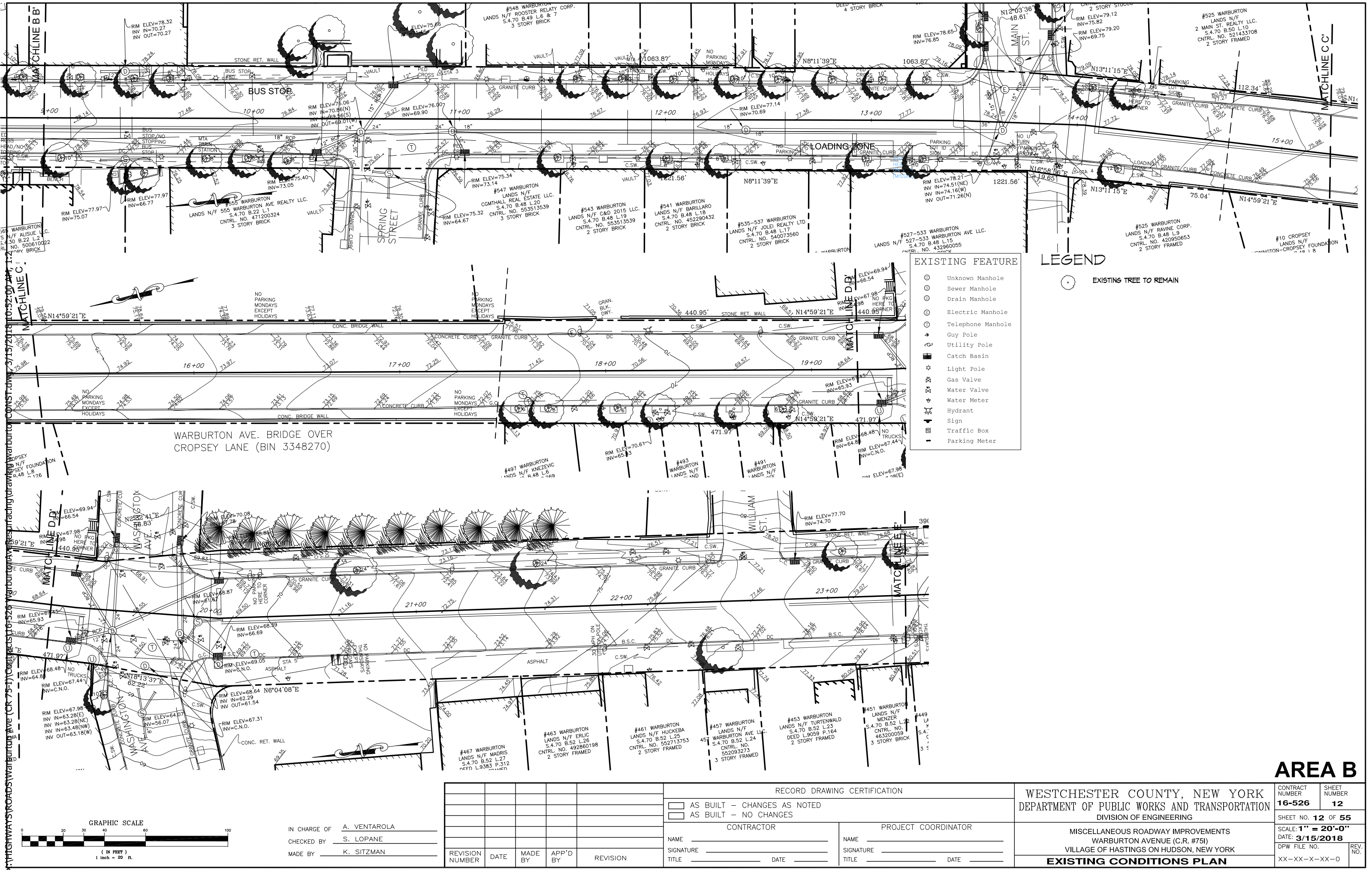
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DPW FILE NO.

REV. NO.

XX-XX-X-XX-0

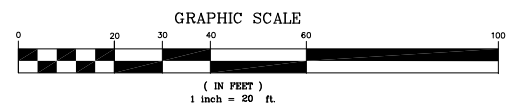
AREA A



- EXISTING FEATURE
- Unknown Manhole
 - Sewer Manhole
 - Drain Manhole
 - Electric Manhole
 - Telephone Manhole
 - Guy Pole
 - Utility Pole
 - Catch Basin
 - Light Pole
 - Gas Valve
 - Water Valve
 - Water Meter
 - Hydrant
 - Sign
 - Traffic Box
 - Parking Meter

LEGEND

EXISTING TREE TO REMAIN



IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

AS BUILT - CHANGES AS NOTED
AS BUILT - NO CHANGES

CONTRACTOR

NAME _____
SIGNATURE _____
TITLE _____

PROJECT COORDINATOR

NAME _____
SIGNATURE _____
TITLE _____

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

MISCELLANEOUS ROADWAY IMPROVEMENTS
WARBURTON AVENUE (C.R. #751)
VILLAGE OF HASTINGS ON HUDSON, NEW YORK

EXISTING CONDITIONS PLAN

CONTRACT NUMBER
16-526

SHEET NUMBER
12

SHEET NO. **12** OF **55**

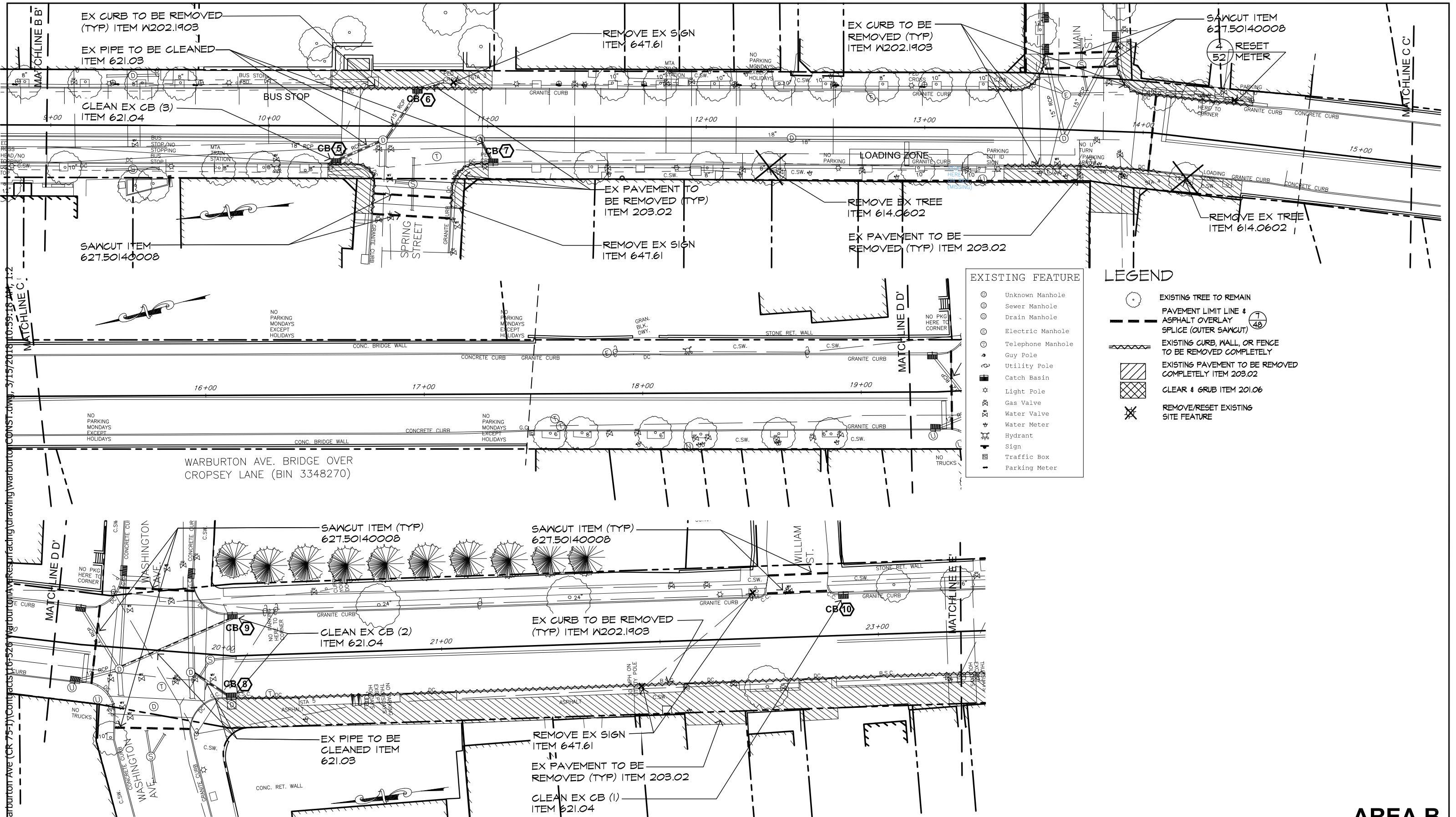
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DATE: **3/15/2018**

DPW FILE NO.

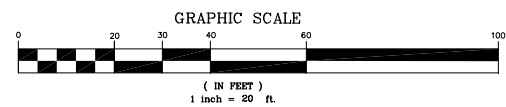
REV. NO.

XX-XX-X-XX-0



EXISTING FEATURE	
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	Sewer Manhole
	Drain Manhole
	Electric Manhole
	Telephone Manhole
	Guy Pole
	Utility Pole
	Catch Basin
	Light Pole
	Gas Valve
	Water Valve
	Water Meter
	Hydrant
	Sign
	Traffic Box
	Parking Meter

LEGEND	
	EXISTING TREE TO REMAIN
	PAVEMENT LIMIT LINE & ASPHALT OVERLAY SPLICE (OUTER SAWCUT)
	EXISTING CURB, WALL, OR FENCE TO BE REMOVED COMPLETELY
	EXISTING PAVEMENT TO BE REMOVED COMPLETELY ITEM 203.02
	CLEAR & GRUB ITEM 201.06
	REMOVE/RESET EXISTING SITE FEATURE



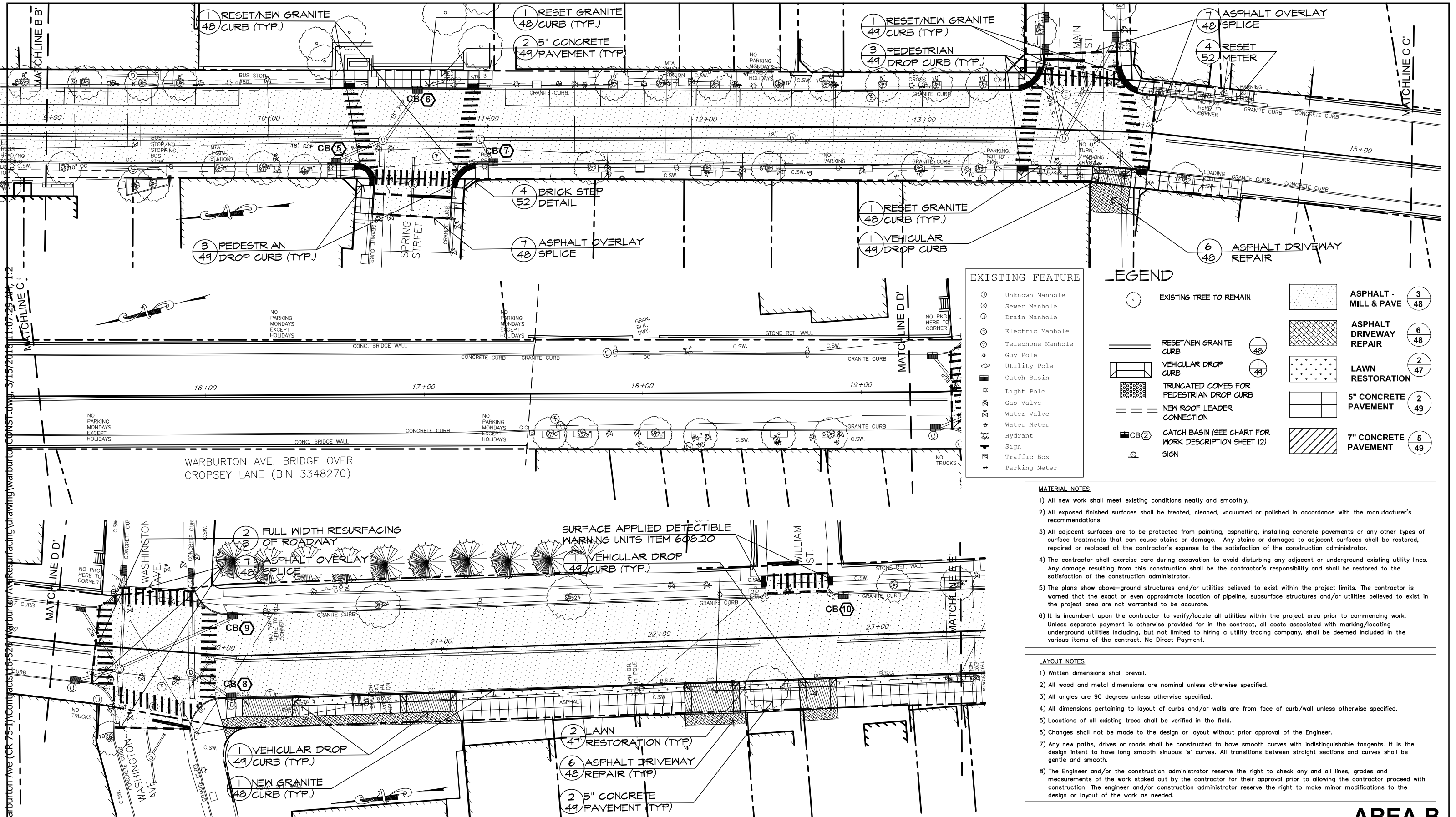
IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

REVISION	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION			
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED			
<input type="checkbox"/> AS BUILT - NO CHANGES			
CONTRACTOR		PROJECT COORDINATOR	
NAME _____	NAME _____	NAME _____	NAME _____
SIGNATURE _____	SIGNATURE _____	SIGNATURE _____	SIGNATURE _____
TITLE _____	TITLE _____	TITLE _____	TITLE _____
DATE _____	DATE _____	DATE _____	DATE _____

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING		CONTRACT NUMBER 16-526	SHEET NUMBER 13
MISCELLANEOUS ROADWAY IMPROVEMENTS WARBURTON AVENUE (C.R. #751) VILLAGE OF HASTINGS ON HUDSON, NEW YORK		SHEET NO. 13 OF 55 SCALE: 1" = 20'-0" DATE: 3/15/2018	
SITE PREPARATION & REMOVALS PLAN		DPW FILE NO. XX-XX-X-XX-0	REV. NO.

AREA B



EXISTING FEATURE

⊙

Unknown Manhole

⊙

Sewer Manhole

⊙

Drain Manhole

⊙

Electric Manhole

⊙

Telephone Manhole

⊙

Guy Pole

⊙

Utility Pole

⊙

Catch Basin

⊙

Light Pole

⊙

Gas Valve

⊙

Water Valve

⊙

Water Meter

⊙

Hydrant

⊙

Sign

⊙

Traffic Box

⊙

Parking Meter

LEGEND

⊙

EXISTING TREE TO REMAIN

⊙

RESET/NEW GRANITE CURB

⊙

VEHICULAR DROP CURB

⊙

TRUNCATED CONES FOR PEDESTRIAN DROP CURB

⊙

NEW ROOF LEADER CONNECTION

⊙

CATCH BASIN (SEE CHART FOR WORK DESCRIPTION SHEET 12)

⊙

SIGN

⊙

ASPHALT - MILL & PAVE

⊙

ASPHALT DRIVEWAY REPAIR

⊙

LAWN RESTORATION

⊙

5" CONCRETE PAVEMENT

⊙

7" CONCRETE PAVEMENT

- MATERIAL NOTES
- 1) All new work shall meet existing conditions neatly and smoothly.

2) All exposed finished surfaces shall be treated, cleaned, vacuumed or polished in accordance with the manufacturer's recommendations.

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- LAYOUT NOTES
- 1) Written dimensions shall prevail.

2) All wood and metal dimensions are nominal unless otherwise specified.

3) All angles are 90 degrees unless otherwise specified.

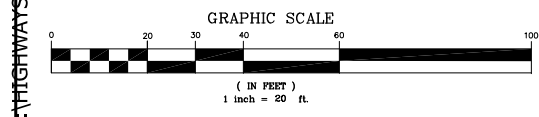
4) All dimensions pertaining to layout of curbs and/or walls are from face of curb/wall unless otherwise specified.

5) Locations of all existing trees shall be verified in the field.

6) Changes shall not be made to the design or layout without prior approval of the Engineer.

7) Any new paths, drives or roads shall be constructed to have smooth curves with indistinguishable tangents. It is the design intent to have long smooth sinuous "s" curves. All transitions between straight sections and curves shall be gentle and smooth.

8) The Engineer and/or the construction administrator reserve the right to check any and all lines, grades and measurements of the work staked out by the contractor for their approval prior to allowing the contractor proceed with construction. The engineer and/or construction administrator reserve the right to make minor modifications to the design or layout of the work as needed.



IN CHARGE OF A. VENTAROLA

CHECKED BY S. LOPANE

MADE BY K. SITZMAN

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

AS BUILT - CHANGES AS NOTED

AS BUILT - NO CHANGES

CONTRACTOR

PROJECT COORDINATOR

NAME

SIGNATURE

TITLE

NAME

SIGNATURE

TITLE

DATE

DATE

WESTCHESTER COUNTY, NEW YORK

DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION

DIVISION OF ENGINEERING

MISCELLANEOUS ROADWAY IMPROVEMENTS

WARBURTON AVENUE (C.R. #751)

VILLAGE OF HASTINGS ON HUDSON, NEW YORK

LAYOUT AND MATERIALS PLAN

CONTRACT NUMBER 16-526

SHEET NUMBER 14

SHEET NO. 14 OF 55

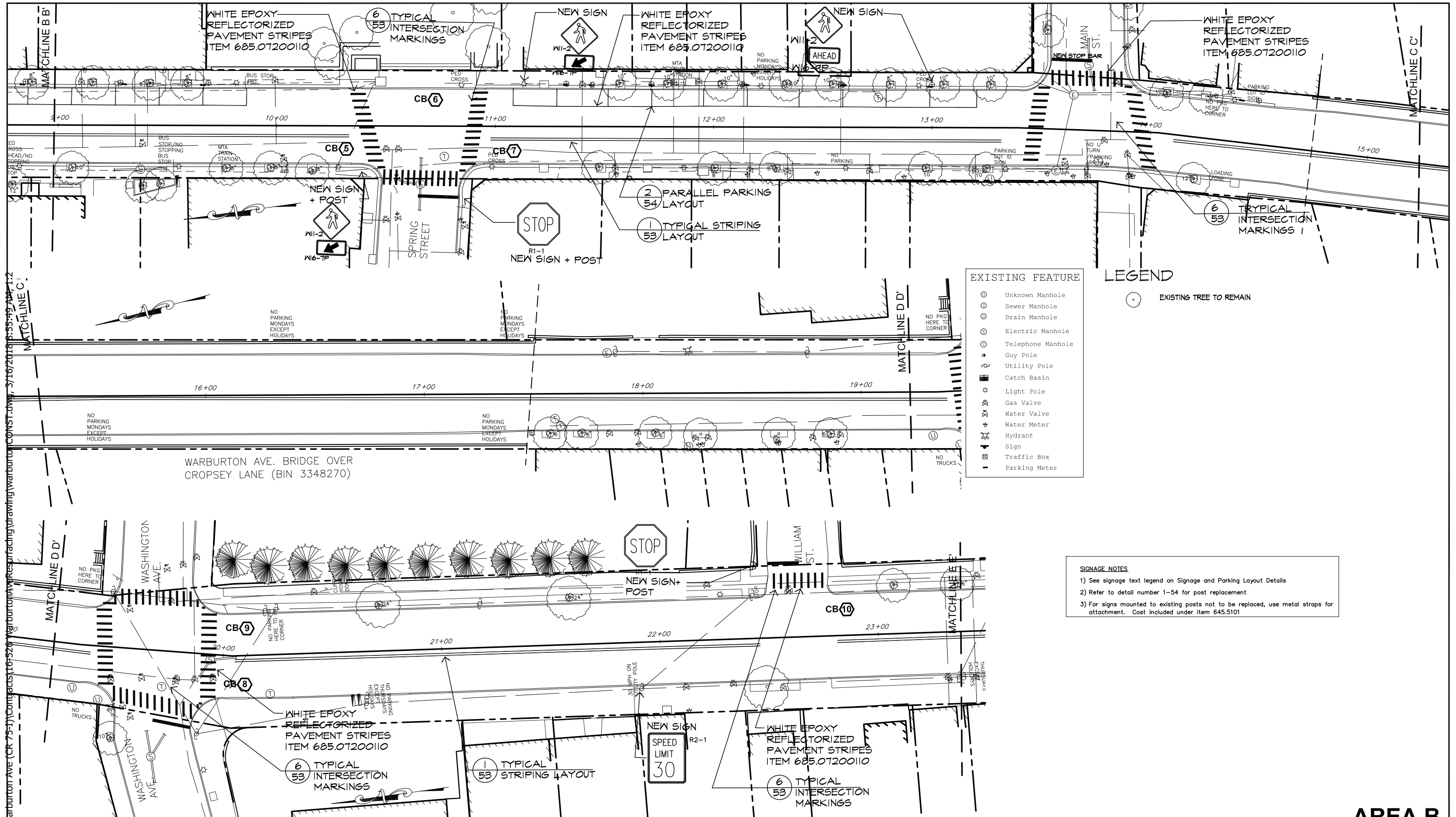
SCALE: 1" = 20'-0"

DATE: 3/15/2018

DPW FILE NO.

REV. NO.

XX-XX-X-XX-0



EXISTING FEATURE	
⊙	Unknown Manhole
⊙	Sewer Manhole
⊙	Drain Manhole
⊙	Electric Manhole
⊙	Telephone Manhole
⋄	Guy Pole
⋄	Utility Pole
■	Catch Basin
☆	Light Pole
⊗	Gas Valve
⊗	Water Valve
⊗	Water Meter
⊗	Hydrant
⊗	Sign
⊗	Traffic Box
⊗	Parking Meter

LEGEND

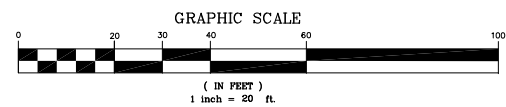
⊙ EXISTING TREE TO REMAIN

SIGNAGE NOTES

1) See signage text legend on Signage and Parking Layout Details

2) Refer to detail number 1-54 for post replacement

3) For signs mounted to existing posts not to be replaced, use metal straps for attachment. Cost included under item 645.5101



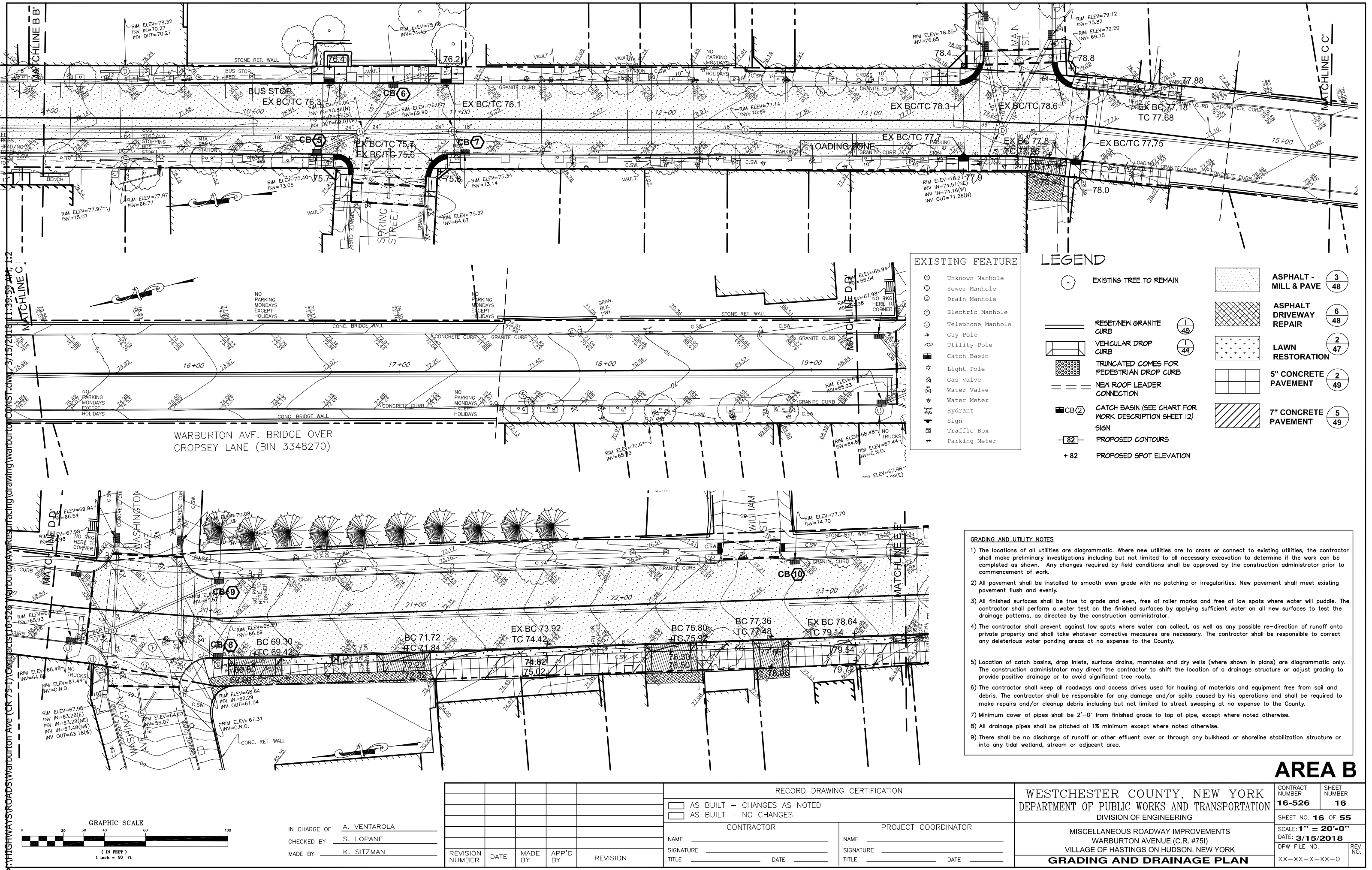
IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

REVISION	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION			
AS BUILT - CHANGES AS NOTED		AS BUILT - NO CHANGES	
CONTRACTOR			
PROJECT COORDINATOR			
NAME		NAME	
SIGNATURE		SIGNATURE	
TITLE		TITLE	
DATE		DATE	

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING		CONTRACT NUMBER 16-526	SHEET NUMBER 15
MISCELLANEOUS ROADWAY IMPROVEMENTS WARBURTON AVENUE (C.R. #751) VILLAGE OF HASTINGS ON HUDSON, NEW YORK		SHEET NO. 15 OF 55 SCALE: 1" = 20'-0" DATE: 3/15/2018	
SIGNAGE AND STRIPING PLAN		DPW FILE NO. XX-XX-X-XX-0	REV. NO.

AREA B



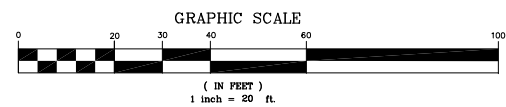
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	Sewer Manhole
	Drain Manhole
	Electric Manhole
	Telephone Manhole
	Guy Pole
	Utility Pole
	Catch Basin
	Light Pole
	Gas Valve
	Water Valve
	Water Meter
	Hydrant
	Sign
	Traffic Box
	Parking Meter

LEGEND

	EXISTING TREE TO REMAIN		ASPHALT - MILL & PAVE	3 48
	RESET/NEW GRANITE CURB		ASPHALT DRIVEWAY REPAIR	6 48
	VEHICULAR DROP CURB		LAWN RESTORATION	2 47
	TRUNCATED CORNES FOR PEDESTRIAN DROP CURB		5" CONCRETE PAVEMENT	2 49
	NEW ROOF LEADER CONNECTION		7" CONCRETE PAVEMENT	5 49
	CATCH BASIN (SEE CHART FOR WORK DESCRIPTION SHEET 12)			
	SIGN			
	PROPOSED CONTOURS			
	PROPOSED SPOT ELEVATION			

- GRADING AND UTILITY NOTES
- The locations of all utilities are diagrammatic. Where new utilities are to cross or connect to existing utilities, the contractor shall make preliminary investigations including but not limited to all necessary excavation to determine if the work can be completed as shown. Any changes required by field conditions shall be approved by the construction administrator prior to commencement of work.
 - All pavement shall be installed to smooth even grade with no patching or irregularities. New pavement shall meet existing pavement flush and evenly.
 - All finished surfaces shall be true to grade and even, free of roller marks and free of low spots where water will puddle. The contractor shall perform a water test on the finished surfaces by applying sufficient water on all new surfaces to test the drainage patterns, as directed by the construction administrator.
 - The contractor shall prevent against low spots where water can collect, as well as any possible re-direction of runoff onto private property and shall take whatever corrective measures are necessary. The contractor shall be responsible to correct any deleterious water ponding areas at no expense to the County.
 - Location of catch basins, drop inlets, surface drains, manholes and dry wells (where shown in plans) are diagrammatic only. The construction administrator may direct the contractor to shift the location of a drainage structure or adjust grading to provide positive drainage or to avoid significant tree roots.
 - The contractor shall keep all roadways and access drives used for hauling of materials and equipment free from soil and debris. The contractor shall be responsible for any damage and/or spills caused by his operations and shall be required to make repairs and/or cleanup debris including but not limited to street sweeping at no expense to the County.
 - Minimum cover of pipes shall be 2'-0" from finished grade to top of pipe, except where noted otherwise.
 - All drainage pipes shall be pitched at 1% minimum except where noted otherwise.
 - There shall be no discharge of runoff or other effluent over or through any bulkhead or shoreline stabilization structure or into any tidal wetland, stream or adjacent area.

AREA B

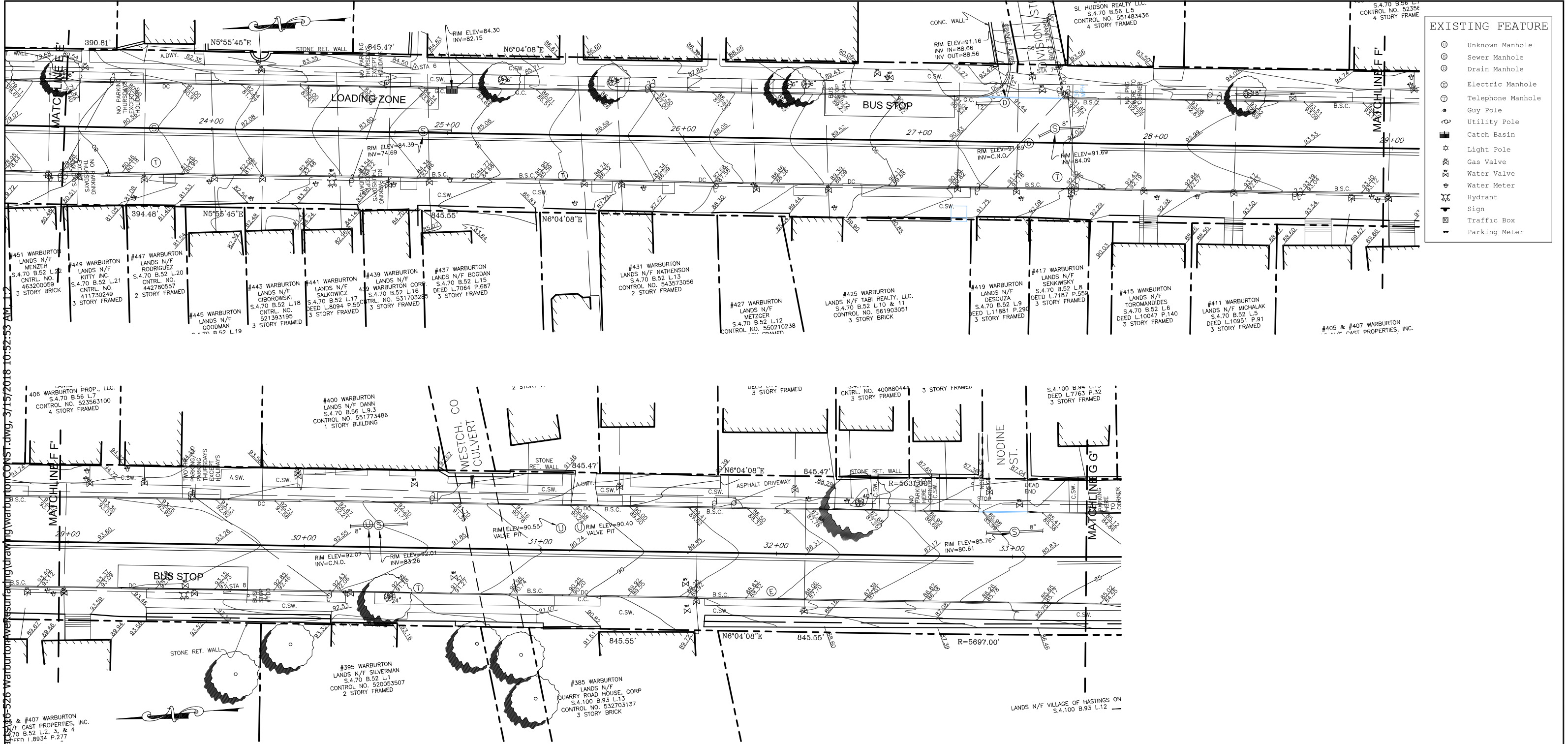


IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

REVISION	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION			
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<input type="checkbox"/> AS BUILT - NO CHANGES			
CONTRACTOR		PROJECT COORDINATOR	
NAME		NAME	
SIGNATURE		SIGNATURE	
TITLE		TITLE	
DATE		DATE	

WESTCHESTER COUNTY, NEW YORK		CONTRACT NUMBER	SHEET NUMBER
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		16-526	16
DIVISION OF ENGINEERING		SHEET NO. 16 OF 55	
MISCELLANEOUS ROADWAY IMPROVEMENTS		SCALE: 1" = 20'-0"	
WARBURTON AVENUE (C.R. #751)		DATE: 3/15/2018	
VILLAGE OF HASTINGS ON HUDSON, NEW YORK		DPW FILE NO.	REV. NO.
GRADING AND DRAINAGE PLAN		XX-XX-X-XX-0	

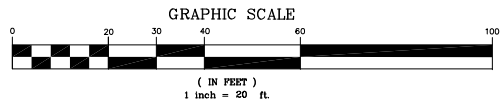


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- EXISTING FEATURE
- Unknown Manhole
 - Sewer Manhole
 - Drain Manhole
 - Electric Manhole
 - Telephone Manhole
 - Guy Pole
 - Utility Pole
 - Catch Basin
 - Light Pole
 - Gas Valve
 - Water Valve
 - Water Meter
 - Hydrant
 - Sign
 - Traffic Box
 - Parking Meter

LEGEND

EXISTING TREE TO REMAIN



IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

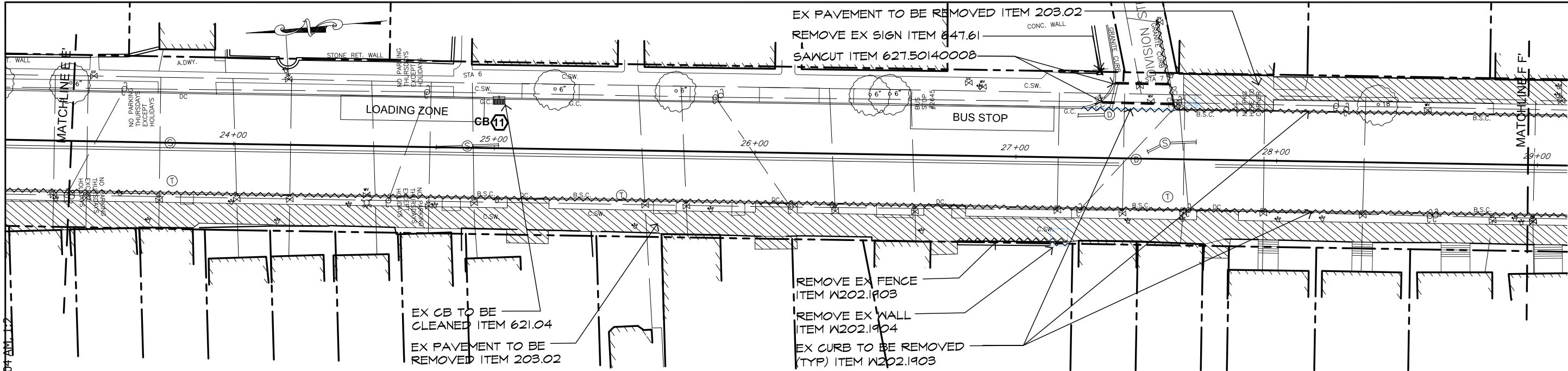
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION			
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CONTRACTOR		PROJECT COORDINATOR	
NAME		NAME	
SIGNATURE		SIGNATURE	
TITLE		TITLE	
	DATE		DATE

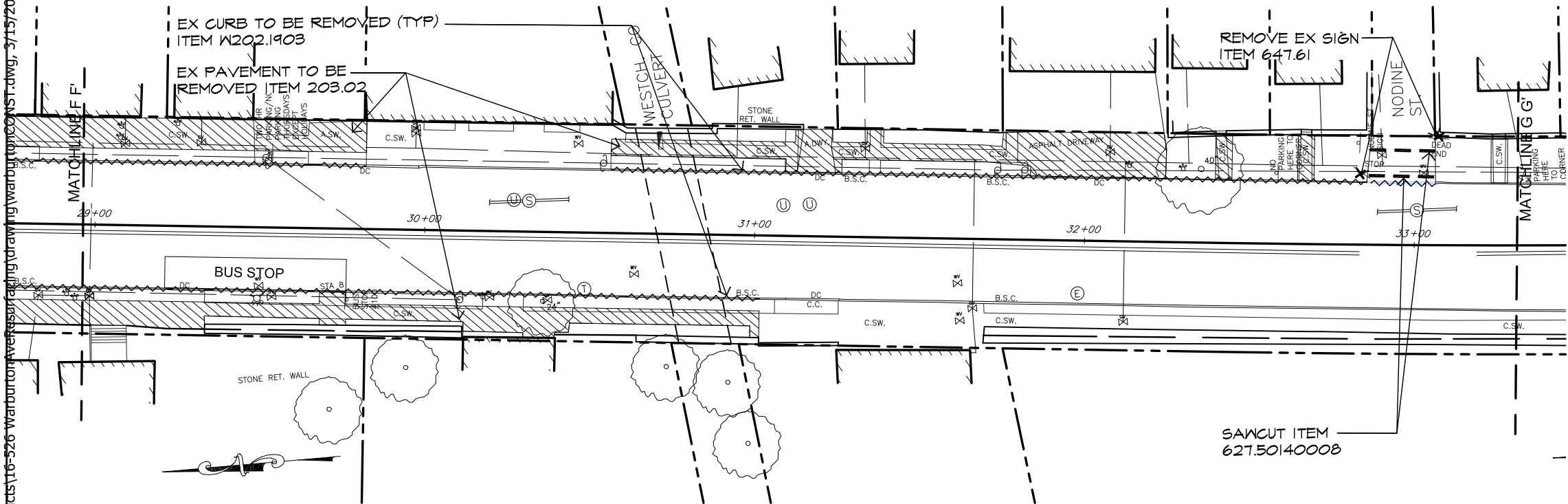
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MISCELLANEOUS ROADWAY IMPROVEMENTS WARBURTON AVENUE (C.R. #751) VILLAGE OF HASTINGS ON HUDSON, NEW YORK		SHEET NO. 17 OF 55	
EXISTING CONDITIONS PLAN		DATE: 3/15/2018	
		DPW FILE NO.	REV. NO.
		XX-XX-X-XX-0	

AREA C

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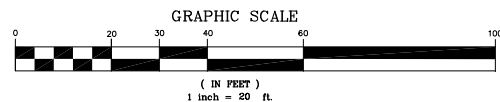
EXISTING FEATURE	
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⊙	Sewer Manhole
⊙	Drain Manhole
⊙	Electric Manhole
⊙	Telephone Manhole
⊙	Guy Pole
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⊙	Light Pole
⊙	Gas Valve
⊙	Water Valve
⊙	Water Meter
⊙	Hydrant
⊙	Sign
⊙	Traffic Box
⊙	Parking Meter



- SITE PREPARATION AND REMOVALS NOTES**
- 1) The contractor shall comply with all applicable codes and regulations governing the work. The contractor shall coordinate demolition with applicable agencies, utility companies and/or subcontractors.
 - 2) Unless otherwise noted, all existing sewers, gas, water, electric utility lines and related structures within the contract area shall remain. All storm drainage pipes to be removed are noted on the contract drawings. If abandoned pipes are encountered during excavations, remove pipe in area of excavation and plug pipe at end of excavation. Cost to be included under respective excavation item.
 - 3) Unless otherwise noted, all existing pavements, perimeter curbs, fencing, structures and plant material are to remain. The contractor shall exercise care during construction to avoid disturbing or damaging any existing above grade or subgrade structures, concrete curbs, pavements, perimeter fencing, plant materials which are intended to remain. Any damage resulting from this work shall be restored by the contractor to the satisfaction of the construction administrator at no expense to the County.
 - 4) Where new construction abuts existing pavements, curbs or walls, the existing materials shall be cleanly sawcut to provide a clean neat match and a smooth, flush transition, as directed by the construction administrator. All sawcutting shall be done to neat and straight accurate lines.
 - 5) All footings and other below grade structures to be abandoned or removed shall be excavated to a depth of 4'-0" below finished grade and backfilled with approved suitable material.
 - 6) All refuse and debris derived from demolition operations as specified in the contract drawings or as otherwise generated by the construction of this contract shall become the property of the contractor. The contractor shall provide for the legal removal and disposition of all construction refuse and debris, off site. Upon completion, the contractor shall leave the site free and clear of all refuse and debris, and in a broom swept condition.
 - 7) Unless otherwise specified in the contract, removal of all pavements, concrete curbs and concrete piers are to be paid for under unclassified excavation and disposal, Item # 203.02.
 - 8) Unless otherwise specified in the contract, removal of all vegetation, fences, gates, logs and timber structures are to be paid for under clearing and grubbing, Item # 201.0x. Removal of fallen trees (trees not standing) and logs of any size and caliper shall also be paid for under clearing and grubbing, Item # 201.0x.
 - 9) The contractor shall take extreme care to protect all existing trees to remain and their root systems. Bulk material, equipment or vehicles shall not be stockpiled or parked within the drip line of trees. Any excavation within drip lines shall be kept to a minimum and must be completed by hand only in the presence of the construction administrator at no additional cost to the County. The contractor shall assume responsibility for any remedial work such as root and top pruning required or necessary to prevent loss of plant material. All corrective work shall be according to standard acceptable horticultural practices and as directed by the construction administrator.

LEGEND

	EXISTING TREE TO REMAIN		CLEAR & GRUB ITEM 201.06
	PAVEMENT LIMIT LINE & ASPHALT OVERLAY SPLICE (OUTER SAWCUT)		REMOVE EXISTING SITE FEATURE
	EXISTING CURB TO BE REMOVED COMPLETELY		
	EXISTING PAVEMENT TO BE REMOVED COMPLETELY		



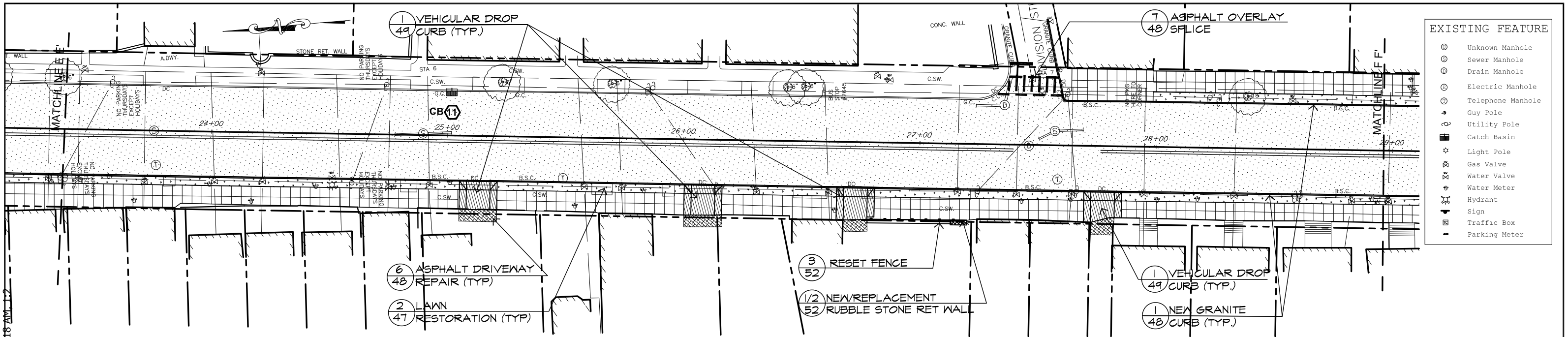
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CHECKED BY S. LOPANE
MADE BY K. SITZMAN

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

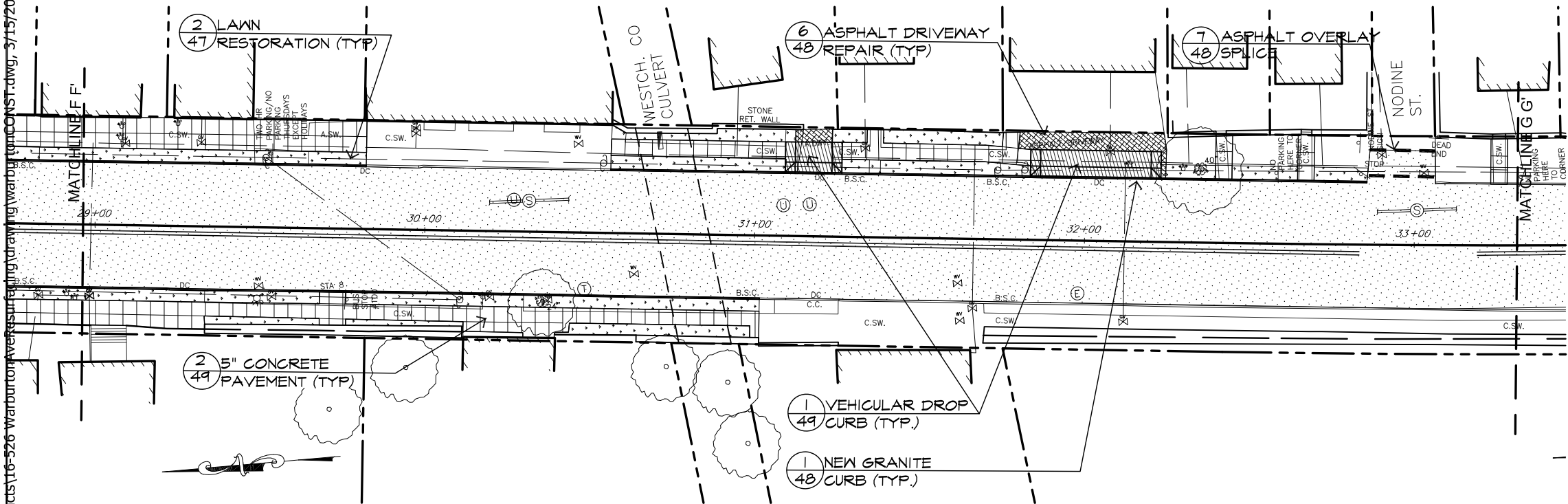
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CONTRACTOR		PROJECT COORDINATOR	
NAME		NAME	
SIGNATURE		SIGNATURE	
TITLE		TITLE	

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING	CONTRACT NUMBER 16-526	SHEET NUMBER 18
	SHEET NO. 18 OF 55	
MISCELLANEOUS ROADWAY IMPROVEMENTS WARBURTON AVENUE (C.R. #751) VILLAGE OF HASTINGS ON HUDSON, NEW YORK	SCALE: 1" = 20'-0" DATE: 3/15/2018	
	DPW FILE NO. XX-XX-X-XX-0	REV. NO.
SITE PREPARATION & REMOVALS PLAN		

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- EXISTING FEATURE
- Unknown Manhole
 - Sewer Manhole
 - Drain Manhole
 - Electric Manhole
 - Telephone Manhole
 - Guy Pole
 - Utility Pole
 - Catch Basin
 - Light Pole
 - Gas Valve
 - Water Valve
 - Water Meter
 - Hydrant
 - Sign
 - Traffic Box
 - Parking Meter



MATERIAL NOTES

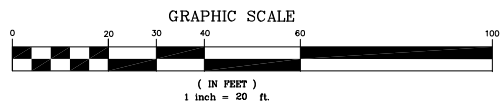
- All new work shall meet existing conditions neatly and smoothly.
- All exposed finished surfaces shall be treated, cleaned, vacuumed or polished in accordance with the manufacturer's recommendations.
- All adjacent surfaces are to be protected from painting, asphalt, installing concrete pavements or any other types of surface treatments that can cause stains or damage. Any stains or damages to adjacent surfaces shall be restored, repaired or replaced at the contractor's expense to the satisfaction of the construction administrator.
- The contractor shall exercise care during excavation to avoid disturbing any adjacent or underground existing utility lines. Any damage resulting from this construction shall be the contractor's responsibility and shall be restored to the satisfaction of the construction administrator.
- The plans show above-ground structures and/or utilities believed to exist within the project limits. The contractor is warned that the exact or even approximate location of pipeline, subsurface structures and/or utilities believed to exist in the project area are not warranted to be accurate.
- It is incumbent upon the contractor to verify/locate all utilities within the project area prior to commencing work. Unless separate payment is otherwise provided for in the contract, all costs associated with marking/locating underground utilities including, but not limited to hiring a utility tracing company, shall be deemed included in the various items of the contract. No Direct Payment.

LAYOUT NOTES

- Written dimensions shall prevail.
- All wood and metal dimensions are nominal unless otherwise specified.
- All angles are 90 degrees unless otherwise specified.
- All dimensions pertaining to layout of curbs and/or walls are from face of curb/wall unless otherwise specified.
- Locations of all existing trees shall be verified in the field.
- Changes shall not be made to the design or layout without prior approval of the Engineer.
- Any new paths, drives or roads shall be constructed to have smooth curves with indistinguishable tangents. It is the design intent to have long smooth sinuous 's' curves. All transitions between straight sections and curves shall be gentle and smooth.
- The Engineer and/or the construction administrator reserve the right to check any and all lines, grades and measurements of the work staked out by the contractor for their approval prior to allowing the contractor proceed with construction. The engineer and/or construction administrator reserve the right to make minor modifications to the design or layout of the work as needed.

LEGEND

- | | | | |
|--|---|------------------------------|------------------------|
| EXISTING TREE TO REMAIN | TRUNCATED COMES FOR PEDESTRIAN DROP CURB | ASPHALT - MILL & PAVE 3 48 | CONCRETE SIDEWALK 2 49 |
| PROPOSED GRANITE CURB 1 48 | NEW ROOF LEADER CONNECTION | ASPHALT DRIVEWAY REPAIR 6 48 | CONCRETE DRIVEWAY 5 49 |
| PROPOSED VEHICULAR DRIVEWAY APRON 1 49 | CATCH BASIN (SEE CHART FOR WORK DESCRIPTION SHEET 12) | LAWN RESTORATION 2 47 | |
| SIGN | | | |

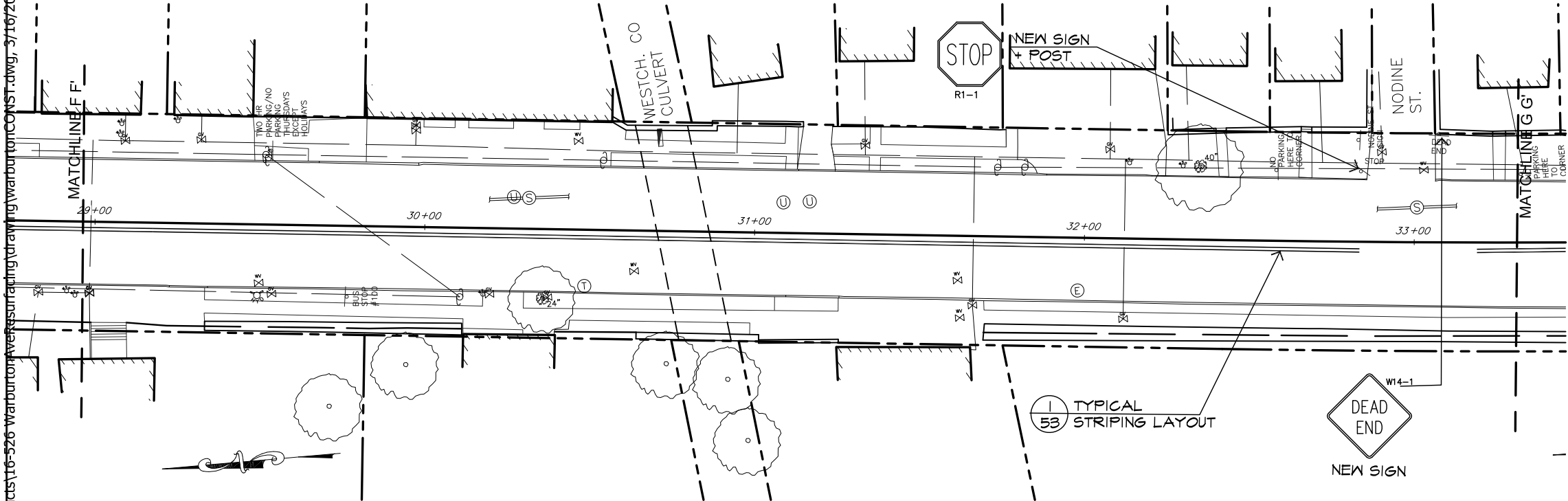
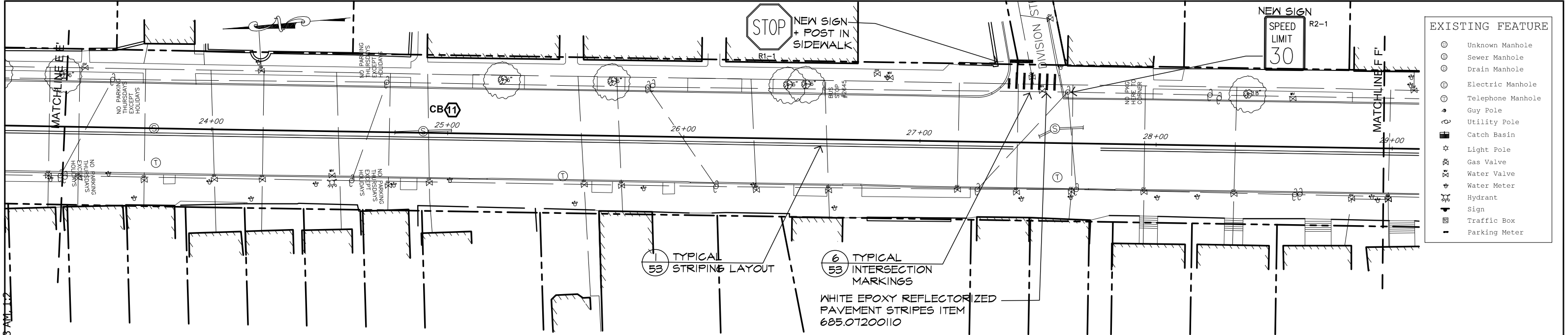


IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION			
AS BUILT - CHANGES AS NOTED			
AS BUILT - NO CHANGES			
CONTRACTOR		PROJECT COORDINATOR	
NAME		NAME	
SIGNATURE		SIGNATURE	
TITLE		TITLE	

WESTCHESTER COUNTY, NEW YORK		CONTRACT NUMBER	SHEET NUMBER
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		16-526	19
DIVISION OF ENGINEERING		SHEET NO. 19 OF 55	
MISCELLANEOUS ROADWAY IMPROVEMENTS		SCALE: 1" = 20'-0"	
WARBURTON AVENUE (C.R. #751)		DATE: 3/15/2018	
VILLAGE OF HASTINGS ON HUDSON, NEW YORK		DPW FILE NO.	REV. NO.
LAYOUT AND MATERIALS PLAN		XX-XX-X-XX-0	

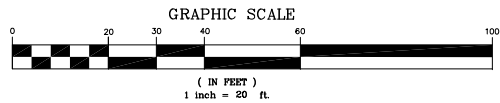


- EXISTING FEATURE
- Unknown Manhole
 - Sewer Manhole
 - Drain Manhole
 - Electric Manhole
 - Telephone Manhole
 - Guy Pole
 - Utility Pole
 - Catch Basin
 - Light Pole
 - Gas Valve
 - Water Valve
 - Water Meter
 - Hydrant
 - Sign
 - Traffic Box
 - Parking Meter

- SIGNAGE NOTES
- 1) See signage text legend on Signage and Parking Layout Details
 - 2) Refer to detail number 1-54 for post replacement
 - 3) For signs mounted to existing posts not to be replaced, use metal straps for attachment. Cost included under item 645.5101

LEGEND

EXISTING TREE TO REMAIN



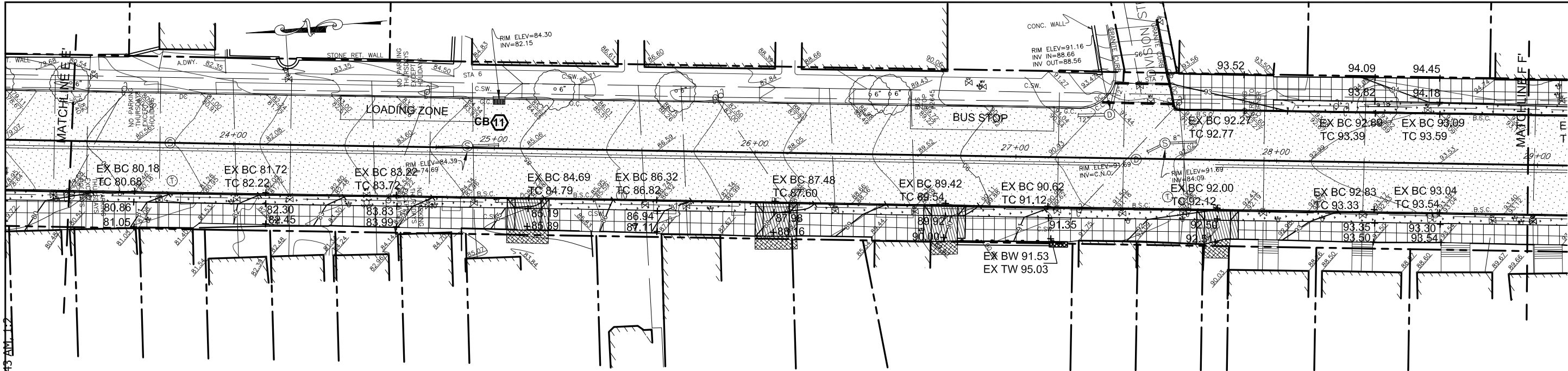
IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

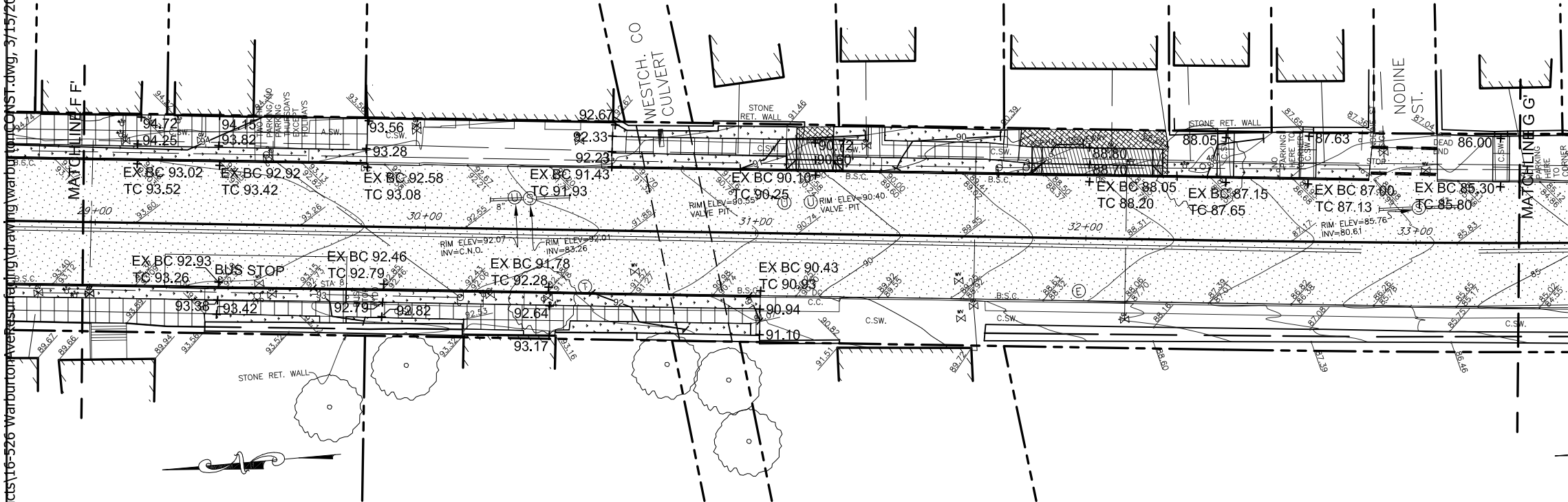
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CONTRACTOR		PROJECT COORDINATOR	
NAME		NAME	
SIGNATURE		SIGNATURE	
TITLE		TITLE	
	DATE		DATE

WESTCHESTER COUNTY, NEW YORK		CONTRACT NUMBER	SHEET NUMBER
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		16-526	20
DIVISION OF ENGINEERING		SHEET NO. 20 OF 55	
MISCELLANEOUS ROADWAY IMPROVEMENTS		SCALE: 1" = 20'-0"	
WARBURTON AVENUE (C.R. #751)		DATE: 3/15/2018	
VILLAGE OF HASTINGS ON HUDSON, NEW YORK		DPW FILE NO.	REV. NO.
SIGNAGE AND STRIPING PLAN		XX-XX-X-XX-0	

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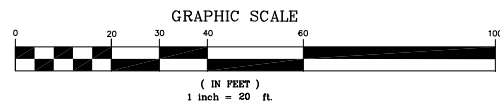
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⊙	Sewer Manhole
⊙	Drain Manhole
⊙	Electric Manhole
⊙	Telephone Manhole
⊙	Guy Pole
⊙	Utility Pole
⊙	Catch Basin
⊙	Light Pole
⊙	Gas Valve
⊙	Water Valve
⊙	Water Meter
⊙	Hydrant
⊙	Sign
⊙	Traffic Box
⊙	Parking Meter



- GRADING AND UTILITY NOTES**
- The locations of all utilities are diagrammatic. Where new utilities are to cross or connect to existing utilities, the contractor shall make preliminary investigations including but not limited to all necessary excavation to determine if the work can be completed as shown. Any changes required by field conditions shall be approved by the construction administrator prior to commencement of work.
 - All pavement shall be installed to smooth even grade with no patching or irregularities. New pavement shall meet existing pavement flush and evenly.
 - All finished surfaces shall be true to grade and even, free of roller marks and free of low spots where water will puddle. The contractor shall perform a water test on the finished surfaces by applying sufficient water on all new surfaces to test the drainage patterns, as directed by the construction administrator.
 - The contractor shall prevent against low spots where water can collect, as well as any possible re-direction of runoff onto private property and shall take whatever corrective measures are necessary. The contractor shall be responsible to correct any deleterious water ponding areas at no expense to the County.
 - Location of catch basins, drop inlets, surface drains, manholes and dry wells (where shown in plans) are diagrammatic only. The construction administrator may direct the contractor to shift the location of a drainage structure or adjust grading to provide positive drainage or to avoid significant tree roots.
 - The contractor shall keep all roadways and access drives used for hauling of materials and equipment free from soil and debris. The contractor shall be responsible for any damage and/or spills caused by his operations and shall be required to make repairs and/or cleanup debris including but not limited to street sweeping at no expense to the County.
 - Minimum cover of pipes shall be 2'-0" from finished grade to top of pipe, except where noted otherwise.
 - All drainage pipes shall be pitched at 1% minimum except where noted otherwise.
 - There shall be no discharge of runoff or other effluent over or through any bulkhead or shoreline stabilization structure or into any tidal wetland, stream or adjacent area.

LEGEND

	EXISTING TREE TO REMAIN		TRUNCATED COMES FOR PEDESTRIAN DROP CURB		ASPHALT - MILL & PAVE		CONCRETE SIDEWALK
	PROPOSED GRANITE CURB		NEW ROOF LEADER CONNECTION		ASPHALT DRIVEWAY REPAIR		CONCRETE DRIVEWAY
	PROPOSED VEHICULAR DRIVEWAY APRON		CATCH BASIN (SEE CHART FOR WORK DESCRIPTION SHEET 12)		LAWN RESTORATION		
	SIGN		PROPOSED CONTOURS				
			PROPOSED SPOT ELEVATION				



IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

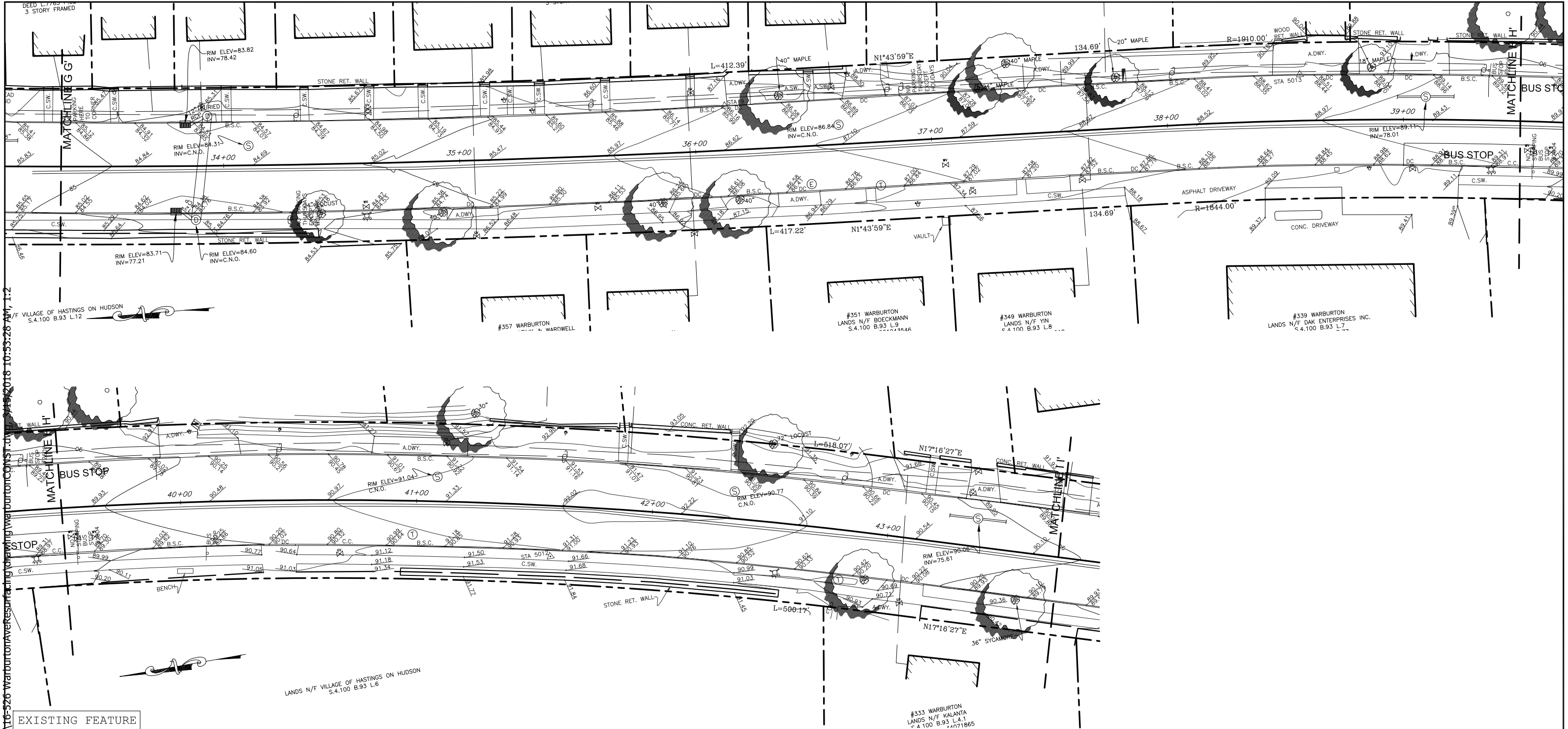
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AS BUILT - NO CHANGES			
CONTRACTOR		PROJECT COORDINATOR	
NAME		NAME	
SIGNATURE		SIGNATURE	
TITLE		TITLE	

WESTCHESTER COUNTY, NEW YORK		CONTRACT NUMBER	SHEET NUMBER
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		16-526	21
DIVISION OF ENGINEERING		SHEET NO. 21 OF 55	
MISCELLANEOUS ROADWAY IMPROVEMENTS		SCALE: 1" = 20'-0"	
WARBURTON AVENUE (C.R. #751)		DATE: 3/15/2018	
VILLAGE OF HASTINGS ON HUDSON, NEW YORK		DPW FILE NO.	REV. NO.
GRADING AND DRAINAGE PLAN		XX-XX-X-XX-0	

AREA C

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- EXISTING FEATURE
- Unknown Manhole
 - Sewer Manhole
 - Drain Manhole
 - Electric Manhole
 - Telephone Manhole
 - Guy Pole
 - Utility Pole
 - Catch Basin
 - Light Pole
 - Gas Valve
 - Water Valve
 - Water Meter
 - Hydrant
 - Sign
 - Traffic Box
 - Parking Meter

LEGEND

EXISTING TREE TO REMAIN

GRAPHIC SCALE

(IN FEET)

1 inch = 20' ft.

IN CHARGE OF A. VENTAROLA

CHECKED BY S. LOPANE

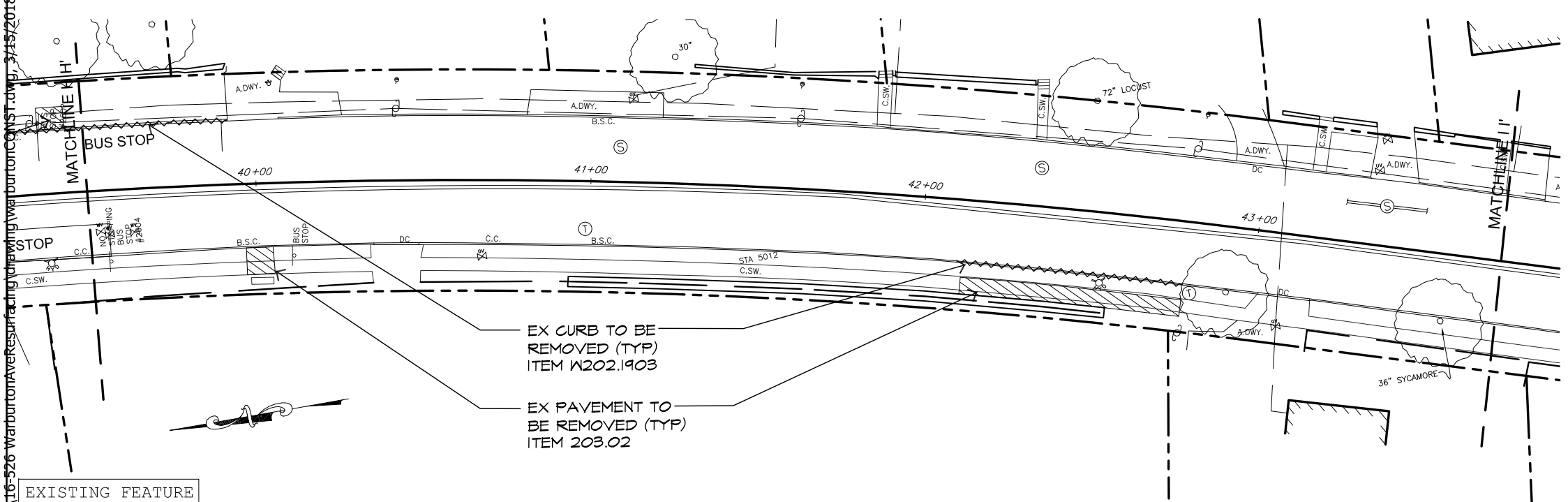
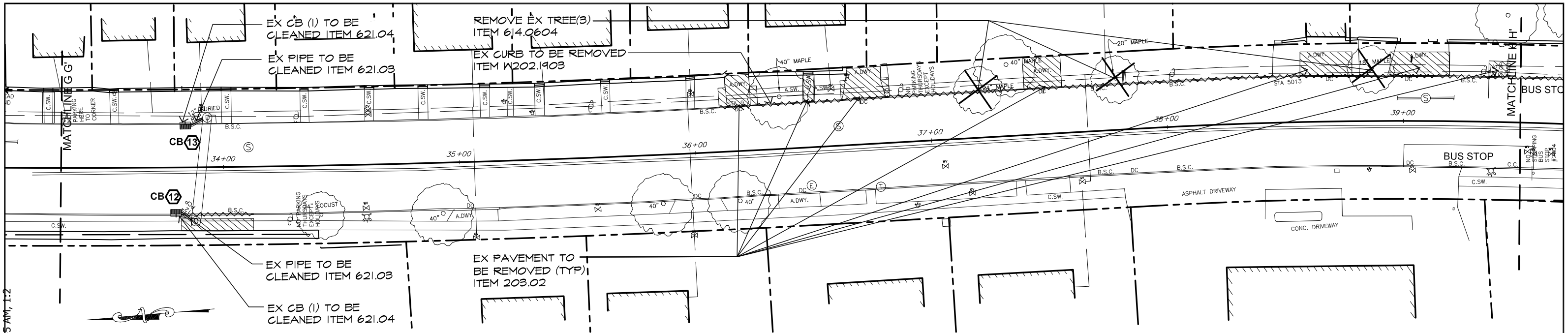
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REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

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CONTRACTOR		PROJECT COORDINATOR	
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WESTCHESTER COUNTY, NEW YORK		CONTRACT NUMBER	SHEET NUMBER
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		16-526	22
DIVISION OF ENGINEERING		SHEET NO. 22 OF 55	
MISCELLANEOUS ROADWAY IMPROVEMENTS		SCALE: 1" = 20'-0"	
WARBURTON AVENUE (C.R. #751)		DATE: 3/15/2018	
VILLAGE OF HASTINGS ON HUDSON, NEW YORK		DPW FILE NO.	REV. NO.
EXISTING CONDITIONS PLAN		XX-XX-X-XX-0	

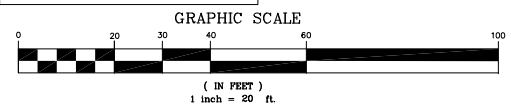
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- EXISTING FEATURE
- Unknown Manhole
 - ⊙ Sewer Manhole
 - ⊙ Drain Manhole
 - ⊙ Electric Manhole
 - ⊙ Telephone Manhole
 - ⋄ Guy Pole
 - ⋄ Utility Pole
 - Catch Basin
 - ☆ Light Pole
 - ⊗ Gas Valve
 - ⊗ Water Valve
 - ⊗ Water Meter
 - ⋄ Hydrant
 - ⋄ Sign
 - ⋄ Traffic Box
 - ⋄ Parking Meter

LEGEND

- EXISTING TREE TO REMAIN
- PAVEMENT LIMIT LINE & ASPHALT OVERLAY SPLICE (OUTER SAWCUT)
- ⊗ EXISTING CURB TO BE REMOVED COMPLETELY
- ▨ EXISTING PAVEMENT TO BE REMOVED COMPLETELY
- ▨ CLEAR & GRUB ITEM 201.06
- ⊗ REMOVE EXISTING SITE FEATURE



IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION			
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CONTRACTOR		PROJECT COORDINATOR	
NAME _____	NAME _____	NAME _____	NAME _____
SIGNATURE _____	SIGNATURE _____	SIGNATURE _____	SIGNATURE _____
TITLE _____	TITLE _____	TITLE _____	TITLE _____

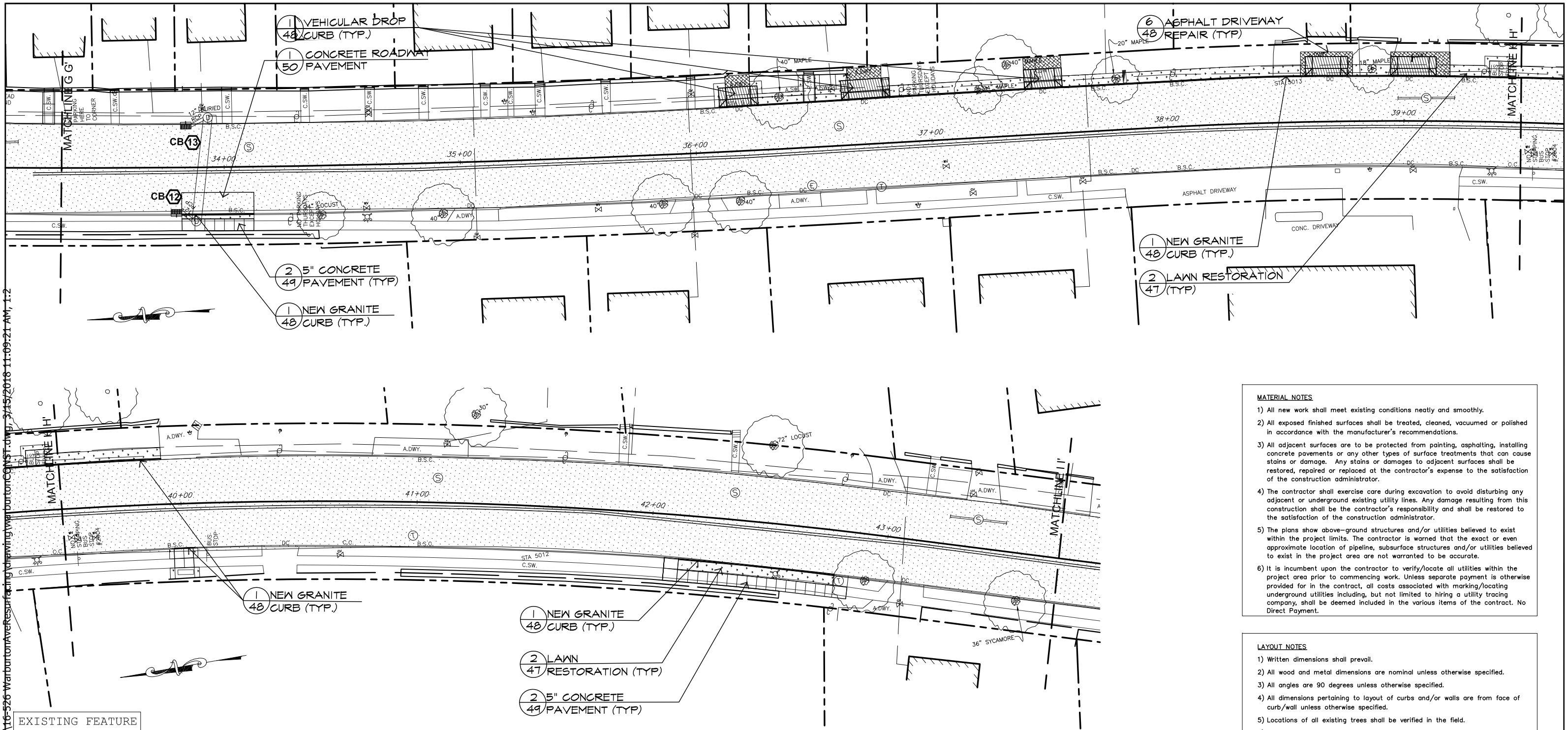
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING	
MISCELLANEOUS ROADWAY IMPROVEMENTS WARBURTON AVENUE (C.R. #751) VILLAGE OF HASTINGS ON HUDSON, NEW YORK	
SITE PREPARATION & REMOVALS PLAN	

CONTRACT NUMBER 16-526	SHEET NUMBER 23
SHEET NO. 23 OF 55	
SCALE: 1" = 20'-0"	
DATE: 3/15/2018	
DPW FILE NO. XX-XX-X-XX-0	REV. NO.

- SITE PREPARATION AND REMOVALS NOTES**
- 1) The contractor shall comply with all applicable codes and regulations governing the work. The contractor shall coordinate demolition with applicable agencies, utility companies and/or subcontractors.
 - 2) Unless otherwise noted, all existing sewers, gas, water, electric utility lines and related structures within the contract area shall remain. All storm drainage pipes to be removed are noted on the contract drawings. If abandoned pipes are encountered during excavations, remove pipe in area of excavation and plug pipe at end of excavation. Cost to be included under respective excavation item.
 - 3) Unless otherwise noted, all existing pavements, perimeter curbs, fencing, structures and plant material are to remain. The contractor shall exercise care during construction to avoid disturbing or damaging any existing above grade or subgrade structures, concrete curbs, pavements, perimeter fencing, plant materials which are intended to remain. Any damage resulting from this work shall be restored by the contractor to the satisfaction of the construction administrator at no expense to the County.
 - 4) Where new construction abuts existing pavements, curbs or walls, the existing materials shall be cleanly sawcut to provide a clean neat match and a smooth, flush transition, as directed by the construction administrator. All sawcutting shall be done to neat and straight accurate lines.
 - 5) All footings and other below grade structures to be abandoned or removed shall be excavated to a depth of 4'-0" below finished grade and backfilled with approved suitable material.
 - 6) All refuse and debris derived from demolition operations as specified in the contract drawings or as otherwise generated by the construction of this contract shall become the property of the contractor. The contractor shall provide for the legal removal and disposition of all construction refuse and debris, off site. Upon completion, the contractor shall leave the site free and clear of all refuse and debris, and in a broom swept condition.
 - 7) Unless otherwise specified in the contract, removal of all pavements, concrete curbs and concrete piers are to be paid for under unclassified excavation and disposal, Item # 203.02.
 - 8) Unless otherwise specified in the contract, removal of all vegetation, fences, gates, logs and timber structures are to be paid for under clearing and grubbing, Item # 201.0x. Removal of fallen trees (trees not standing) and logs of any size and caliper shall also be paid for under clearing and grubbing, Item # 201.0x.
 - 9) The contractor shall take extreme care to protect all existing trees to remain and their root systems. Bulk material, equipment or vehicles shall not be stockpiled or parked within the drip line of trees. Any excavation within drip lines shall be kept to a minimum and must be completed by hand only in the presence of the construction administrator at no additional cost to the County. The contractor shall assume responsibility for any remedial work such as root and top pruning required or necessary to prevent loss of plant material. All corrective work shall be according to standard acceptable horticultural practices and as directed by the construction administrator.

AREA D

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MATERIAL NOTES

- 1) All new work shall meet existing conditions neatly and smoothly.
- 2) All exposed finished surfaces shall be treated, cleaned, vacuumed or polished in accordance with the manufacturer's recommendations.
- 3) All adjacent surfaces are to be protected from painting, asphalt, installing concrete pavements or any other types of surface treatments that can cause stains or damage. Any stains or damages to adjacent surfaces shall be restored, repaired or replaced at the contractor's expense to the satisfaction of the construction administrator.
- 4) The contractor shall exercise care during excavation to avoid disturbing any adjacent or underground existing utility lines. Any damage resulting from this construction shall be the contractor's responsibility and shall be restored to the satisfaction of the construction administrator.
- 5) The plans show above-ground structures and/or utilities believed to exist within the project limits. The contractor is warned that the exact or even approximate location of pipeline, subsurface structures and/or utilities believed to exist in the project area are not warranted to be accurate.
- 6) It is incumbent upon the contractor to verify/locate all utilities within the project area prior to commencing work. Unless separate payment is otherwise provided for in the contract, all costs associated with marking/locating underground utilities including, but not limited to hiring a utility tracing company, shall be deemed included in the various items of the contract. No Direct Payment.

LAYOUT NOTES

- 1) Written dimensions shall prevail.
- 2) All wood and metal dimensions are nominal unless otherwise specified.
- 3) All angles are 90 degrees unless otherwise specified.
- 4) All dimensions pertaining to layout of curbs and/or walls are from face of curb/wall unless otherwise specified.
- 5) Locations of all existing trees shall be verified in the field.
- 6) Changes shall not be made to the design or layout without prior approval of the Engineer.
- 7) Any new paths, drives or roads shall be constructed to have smooth curves with indistinguishable tangents. It is the design intent to have long smooth sinuous "s" curves. All transitions between straight sections and curves shall be gentle and smooth.
- 8) The Engineer and/or the construction administrator reserve the right to check any and all lines, grades and measurements of the work staked out by the contractor for their approval prior to allowing the contractor proceed with construction. The engineer and/or construction administrator reserve the right to make minor modifications to the design or layout of the work as needed.

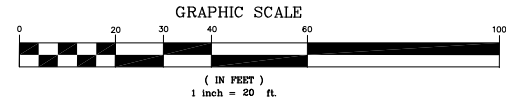
EXISTING FEATURE

- Unknown Manhole
- Sewer Manhole
- Drain Manhole
- Electric Manhole
- Telephone Manhole
- Guy Pole
- Utility Pole
- Catch Basin
- Light Pole
- Gas Valve
- Water Valve
- Water Meter
- Hydrant
- Sign
- Traffic Box
- Parking Meter

LEGEND

- EXISTING TREE TO REMAIN
- NEW ROOF LEADER CONNECTION
- CATCH BASIN (SEE CHART FOR WORK DESCRIPTION SHEET 12)
- PROPOSED GRANITE CURB
- PROPOSED VEHICULAR DRIVEWAY APRON
- SIGN

- TRUNCATED COMES FOR PEDESTRIAN DROP CURB
- NEW GRANITE 48 CURB (TYP.)
- LAWN 47 RESTORATION (TYP.)
- 5" CONCRETE 49 PAVEMENT (TYP.)
- ASPHALT - MILL & PAVE 3 48
- CONCRETE SIDEWALK 2 49
- ASPHALT DRIVEWAY REPAIR 6 48
- CONCRETE DRIVEWAY 5 49
- LAWN RESTORATION 2 47



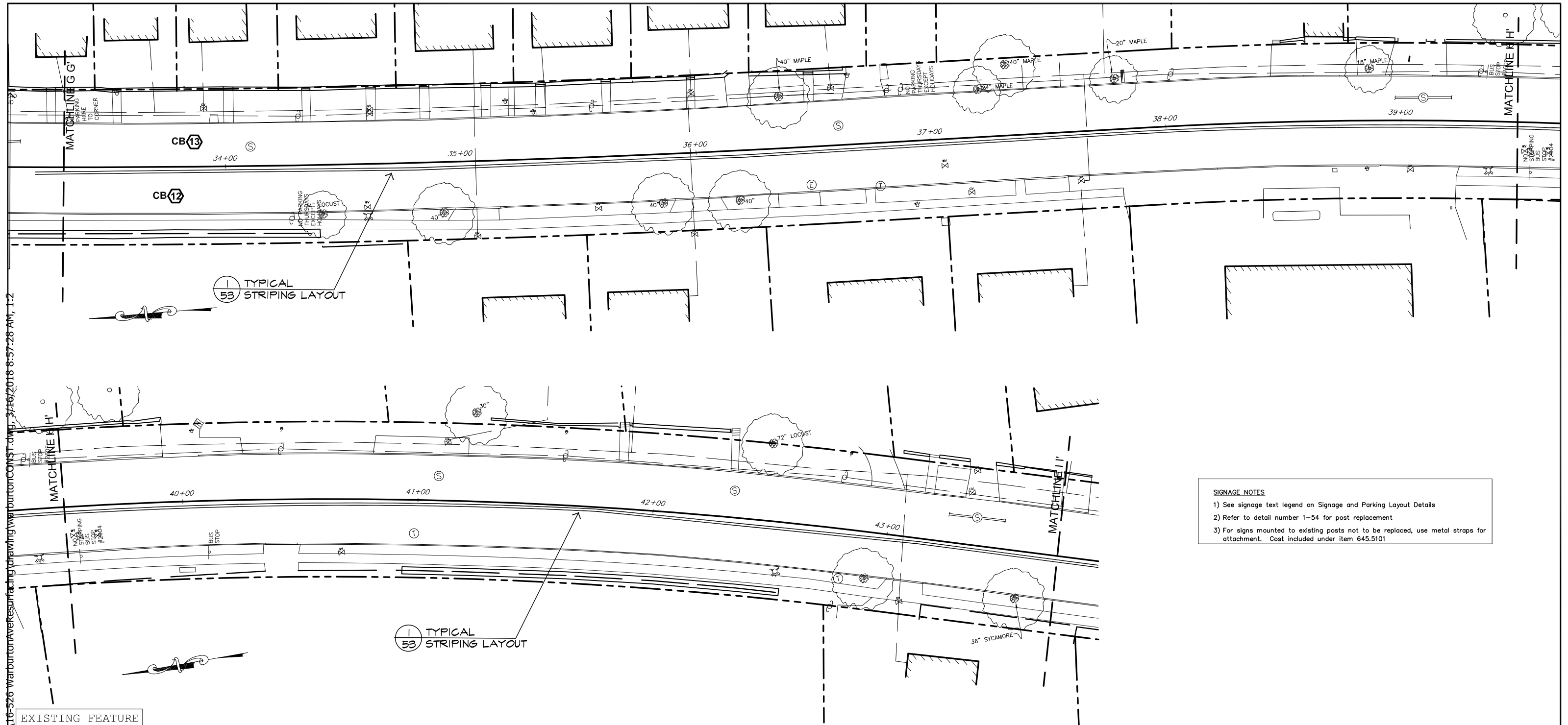
IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION			
AS BUILT - CHANGES AS NOTED			
AS BUILT - NO CHANGES			
CONTRACTOR		PROJECT COORDINATOR	
NAME		NAME	
SIGNATURE		SIGNATURE	
TITLE		TITLE	

WESTCHESTER COUNTY, NEW YORK		CONTRACT NUMBER	SHEET NUMBER
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		16-526	24
DIVISION OF ENGINEERING		SHEET NO. 24 OF 55	
MISCELLANEOUS ROADWAY IMPROVEMENTS		SCALE: 1" = 20'-0"	
WARBURTON AVENUE (C.R. #751)		DATE: 3/15/2018	
VILLAGE OF HASTINGS ON HUDSON, NEW YORK		DPW FILE NO.	REV. NO.
LAYOUT AND MATERIALS PLAN		XX-XX-X-XX-0	

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- EXISTING FEATURE
- Unknown Manhole
 - Sewer Manhole
 - Drain Manhole
 - Electric Manhole
 - Telephone Manhole
 - Guy Pole
 - Utility Pole
 - Catch Basin
 - Light Pole
 - Gas Valve
 - Water Valve
 - Water Meter
 - Hydrant
 - Sign
 - Traffic Box
 - Parking Meter

LEGEND

EXISTING TREE TO REMAIN

GRAPHIC SCALE

(IN FEET)

1 inch = 20 ft.

IN CHARGE OF A. VENTAROLA

CHECKED BY S. LOPANE

MADE BY K. SITZMAN

RECORD DRAWING CERTIFICATION				
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED				
<input type="checkbox"/> AS BUILT - NO CHANGES				
CONTRACTOR			PROJECT COORDINATOR	
NAME _____			NAME _____	
SIGNATURE _____			SIGNATURE _____	
TITLE _____			TITLE _____	
DATE _____			DATE _____	
REVISION	DATE	MADE BY	APP'D BY	REVISION

SIGNAGE NOTES

1) See signage text legend on Signage and Parking Layout Details

2) Refer to detail number 1-54 for post replacement

3) For signs mounted to existing posts not to be replaced, use metal straps for attachment. Cost included under item 645.5101

AREA D

WESTCHESTER COUNTY, NEW YORK

DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION

DIVISION OF ENGINEERING

MISCELLANEOUS ROADWAY IMPROVEMENTS

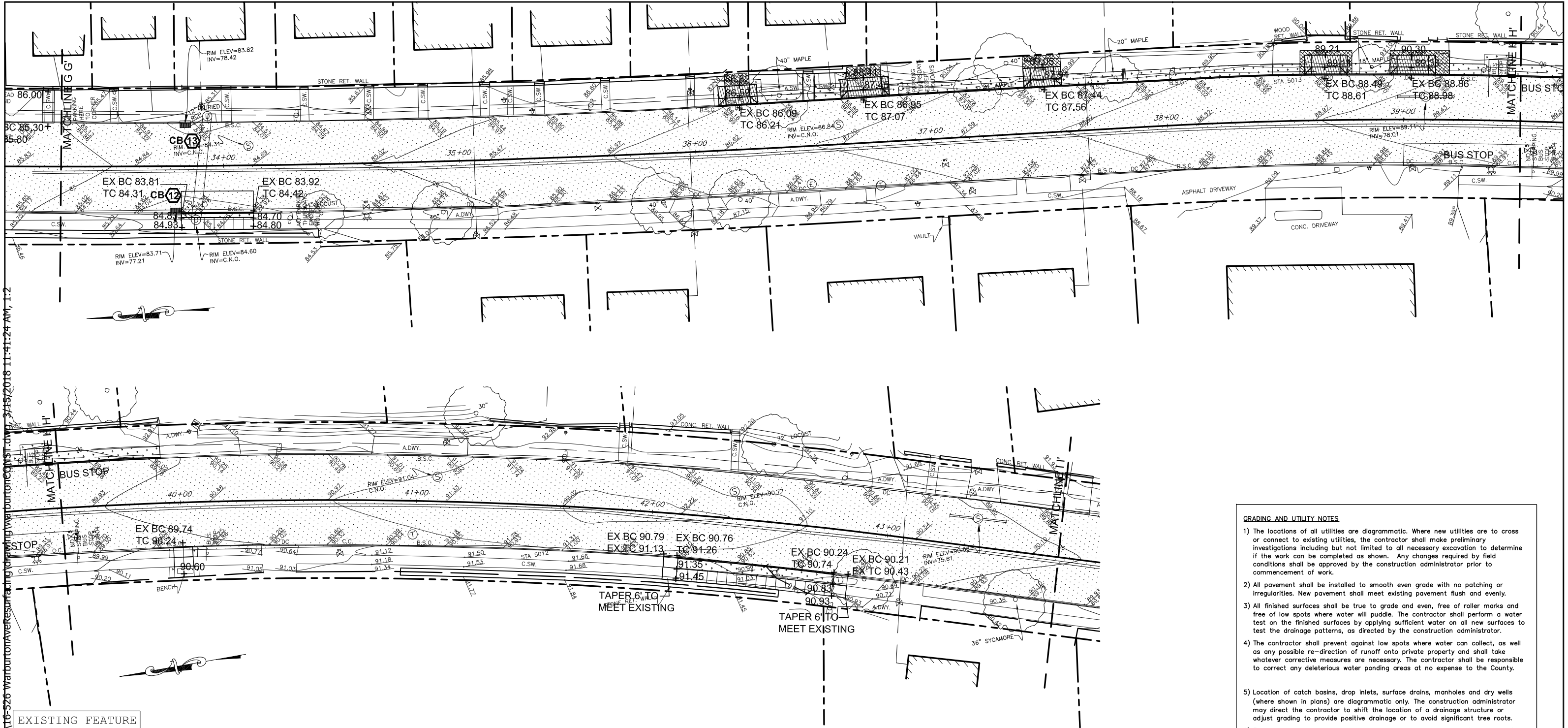
WARBURTON AVENUE (C.R. #751)

VILLAGE OF HASTINGS ON HUDSON, NEW YORK

SIGNAGE AND STRIPING PLAN

CONTRACT NUMBER	SHEET NUMBER
16-526	25
SHEET NO. 25 OF 55	
SCALE: 1" = 20'-0"	
DATE: 3/15/2018	
DPW FILE NO.	REV. NO.
XX-XX-X-XX-0	

X:\HIGHWAYS\ROADS\Warburton Ave (CR 75-1)\Contracts\16-526 Warburton Ave Resurfacing\Drawings\Warburton Ave\16-526 Warburton Ave Resurfacing.dwg 7/15/2018 11:41:24 AM, I:2



EXISTING FEATURE

- Unknown Manhole
- Sewer Manhole
- Drain Manhole
- Electric Manhole
- Telephone Manhole
- Guy Pole
- Utility Pole
- Catch Basin
- Light Pole
- Gas Valve
- Water Valve
- Water Meter
- Hydrant
- Sign
- Traffic Box
- Parking Meter

LEGEND

- EXISTING TREE TO REMAIN
- NEW ROOF LEADER CONNECTION
- CATCH BASIN (SEE CHART FOR WORK DESCRIPTION SHEET 12)
- PROPOSED CONTOURS
- PROPOSED SPOT ELEVATION
- PROPOSED GRANITE CURB
- PROPOSED VEHICULAR DRIVEWAY APRON
- SIGN

ASPHALT - MILL & PAVE

ASPHALT DRIVEWAY REPAIR

LAWN RESTORATION

CONCRETE SIDEWALK

CONCRETE DRIVEWAY

GRADING AND UTILITY NOTES

- The locations of all utilities are diagrammatic. Where new utilities are to cross or connect to existing utilities, the contractor shall make preliminary investigations including but not limited to all necessary excavation to determine if the work can be completed as shown. Any changes required by field conditions shall be approved by the construction administrator prior to commencement of work.
- All pavement shall be installed to smooth even grade with no patching or irregularities. New pavement shall meet existing pavement flush and evenly.
- All finished surfaces shall be true to grade and even, free of roller marks and free of low spots where water will puddle. The contractor shall perform a water test on the finished surfaces by applying sufficient water on all new surfaces to test the drainage patterns, as directed by the construction administrator.
- The contractor shall prevent against low spots where water can collect, as well as any possible re-direction of runoff onto private property and shall take whatever corrective measures are necessary. The contractor shall be responsible to correct any deleterious water ponding areas at no expense to the County.
- Location of catch basins, drop inlets, surface drains, manholes and dry wells (where shown in plans) are diagrammatic only. The construction administrator may direct the contractor to shift the location of a drainage structure or adjust grading to provide positive drainage or to avoid significant tree roots.
- The contractor shall keep all roadways and access drives used for hauling of materials and equipment free from soil and debris. The contractor shall be responsible for any damage and/or spills caused by his operations and shall be required to make repairs and/or cleanup debris including but not limited to street sweeping at no expense to the County.
- Minimum cover of pipes shall be 2'-0" from finished grade to top of pipe, except where noted otherwise.
- All drainage pipes shall be pitched at 1% minimum except where noted otherwise.
- There shall be no discharge of runoff or other effluent over or through any bulkhead or shoreline stabilization structure or into any tidal wetland, stream or adjacent area.

AREA D

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

MISCELLANEOUS ROADWAY IMPROVEMENTS
WARBURTON AVENUE (C.R. #751)
VILLAGE OF HASTINGS ON HUDSON, NEW YORK
GRADING AND DRAINAGE PLAN

RECORD DRAWING CERTIFICATION

AS BUILT - CHANGES AS NOTED
AS BUILT - NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

CONTRACT NUMBER
16-526

SHEET NUMBER
26

SHEET NO. **26** OF **55**

SCALE: **1" = 20'-0"**

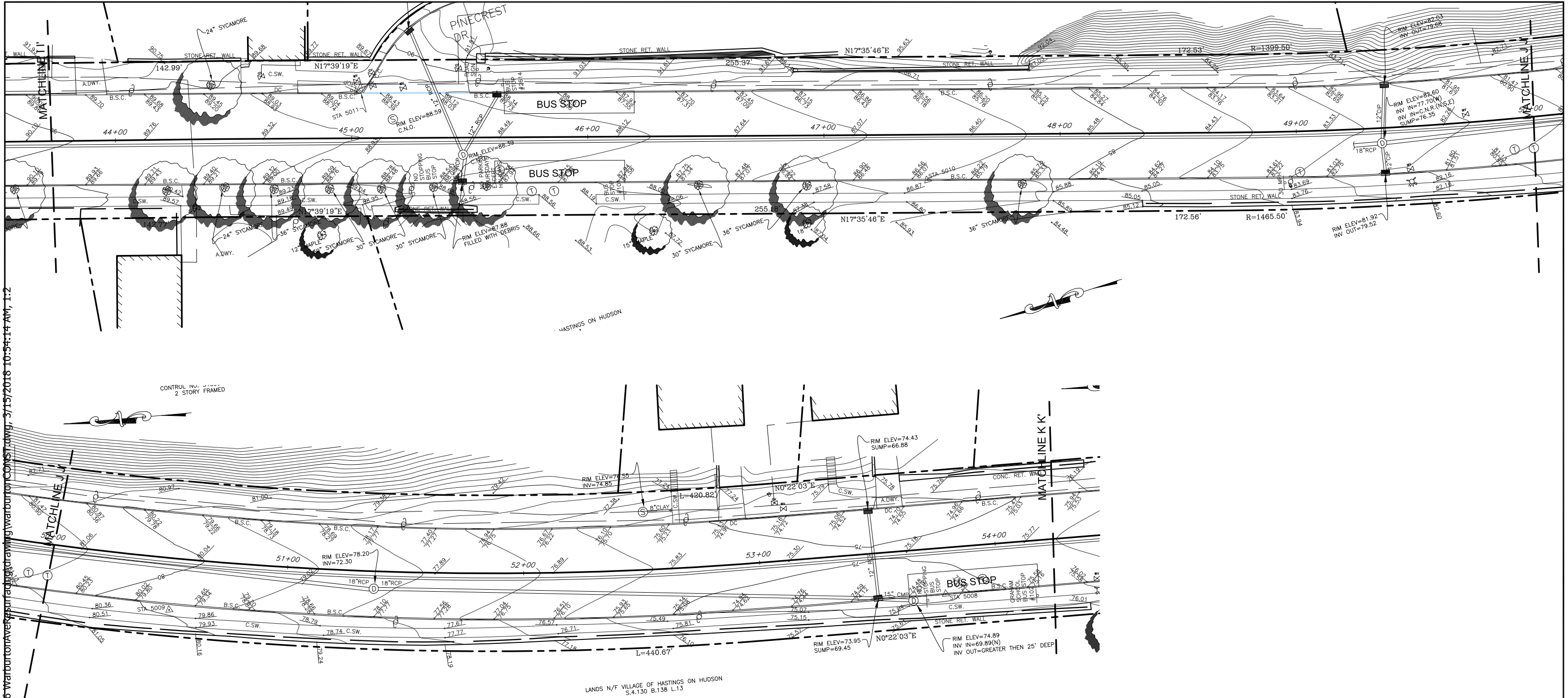
DATE: **3/15/2018**

DPW FILE NO.

REV. NO.

XX-XX-X-XX-0

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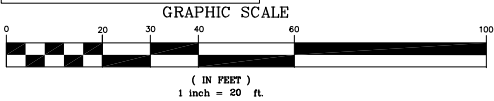


- EXISTING FEATURE
- Unknown Manhole
 - Sewer Manhole
 - Drain Manhole
 - Electric Manhole
 - Telephone Manhole
 - Guy Pole
 - Utility Pole
 - Catch Basin
 - Light Pole
 - Gas Valve
 - Water Valve
 - Water Meter
 - Hydrant
 - Sign
 - Traffic Box
 - Parking Meter

LEGEND



EXISTING TREE TO REMAIN



IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

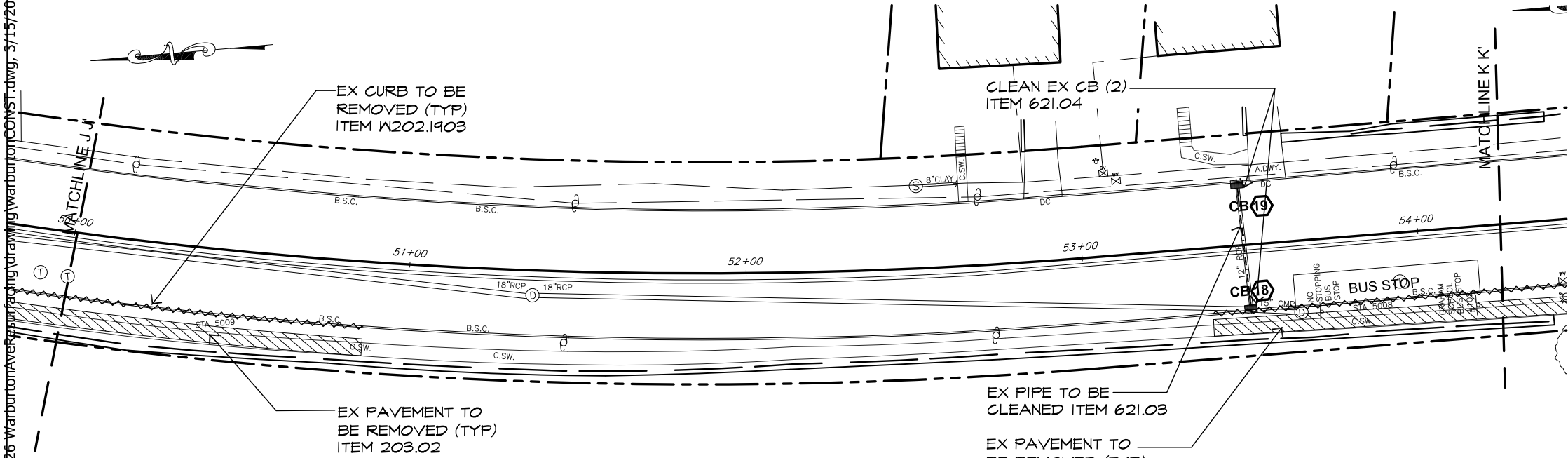
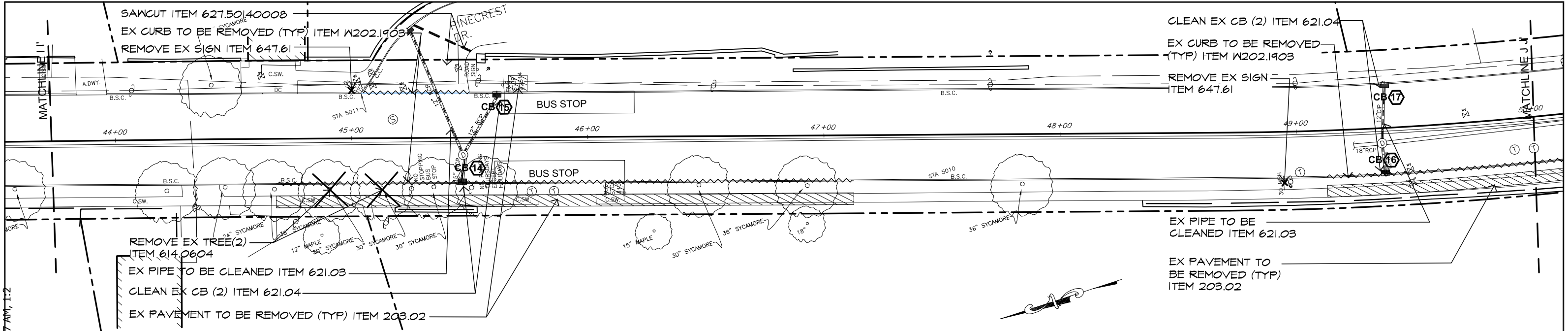
REVISION	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION			
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<input type="checkbox"/> AS BUILT - NO CHANGES			
CONTRACTOR		PROJECT COORDINATOR	
NAME		NAME	
SIGNATURE		SIGNATURE	
TITLE		TITLE	

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING	
MISCELLANEOUS ROADWAY IMPROVEMENTS WARBURTON AVENUE (C.R. #751) VILLAGE OF HASTINGS ON HUDSON, NEW YORK	
EXISTING CONDITIONS PLAN	

CONTRACT NUMBER 16-526	SHEET NUMBER 27
SHEET NO. 27 OF 55	
SCALE: 1" = 20'-0"	
DATE: 3/15/2018	
DPW FILE NO.	REV. NO.
XX-XX-X-XX-0	

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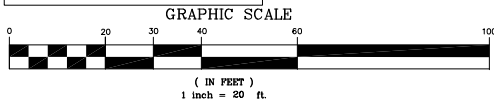


EXISTING FEATURE

- Unknown Manhole
- Sewer Manhole
- Drain Manhole
- Electric Manhole
- Telephone Manhole
- Guy Pole
- Utility Pole
- Catch Basin
- Light Pole
- Gas Valve
- Water Valve
- Water Meter
- Hydrant
- Sign
- Traffic Box
- Parking Meter

LEGEND

- EXISTING TREE TO REMAIN
- PAVEMENT LIMIT LINE & ASPHALT OVERLAY SPLICE (OUTER SAWCUT)
- EXISTING CURB TO BE REMOVED COMPLETELY
- EXISTING PAVEMENT TO BE REMOVED COMPLETELY
- CLEAR & GRUB ITEM 201.06
- REMOVE EXISTING SITE FEATURE



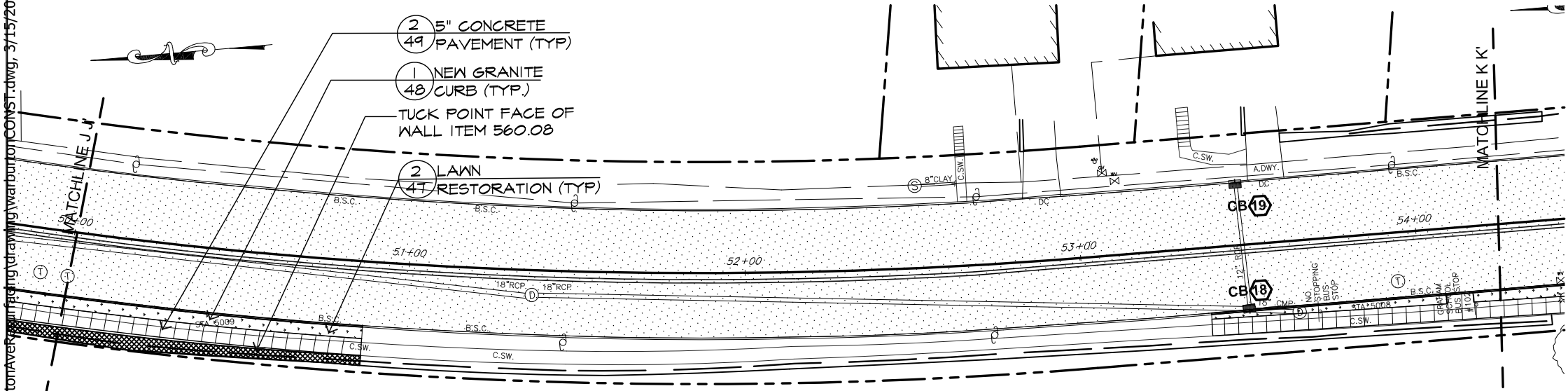
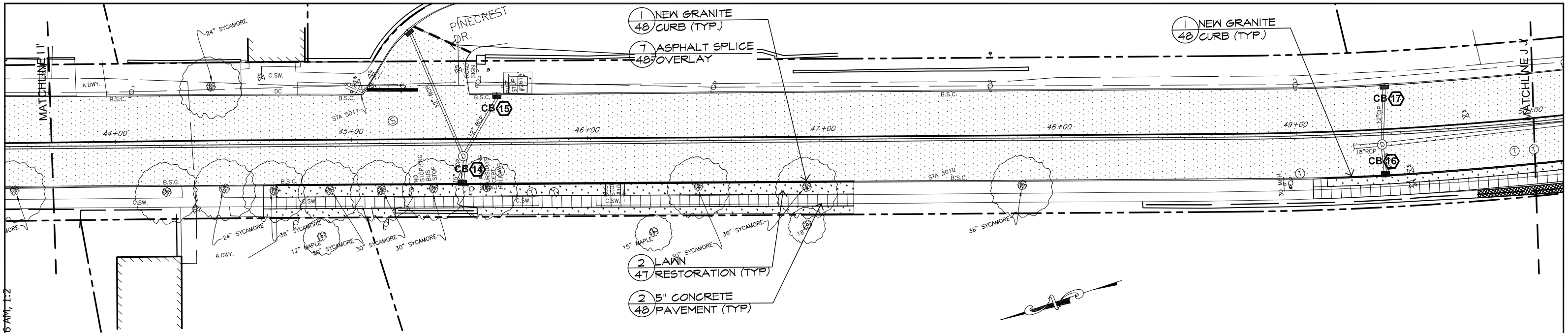
IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION			
AS BUILT - CHANGES AS NOTED			
AS BUILT - NO CHANGES			
CONTRACTOR		PROJECT COORDINATOR	
NAME		NAME	
SIGNATURE		SIGNATURE	
TITLE		TITLE	

WESTCHESTER COUNTY, NEW YORK		CONTRACT NUMBER	SHEET NUMBER
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		16-526	28
DIVISION OF ENGINEERING		SHEET NO. 28 OF 55	
MISCELLANEOUS ROADWAY IMPROVEMENTS		SCALE: 1" = 20'-0"	
WARBURTON AVENUE (C.R. #751)		DATE: 3/15/2018	
VILLAGE OF HASTINGS ON HUDSON, NEW YORK		DPW FILE NO.	REV. NO.
SITE PREPARATION & REMOVALS PLAN		XX-XX-X-XX-0	

X:\HIGHWAYS\ROADS\Warburton Ave (CR 75-1)\Contracts\16-526 Warburton Ave\16-526 Warburton Ave.dwg, 3/15/2018 11:10:06 AM, 1:2



MATERIAL NOTES

- 1) All new work shall meet existing conditions neatly and smoothly.
- 2) All exposed finished surfaces shall be treated, cleaned, vacuumed or polished in accordance with the manufacturer's recommendations.
- 3) All adjacent surfaces are to be protected from painting, asphaltting, installing concrete pavements or any other types of surface treatments that can cause stains or damage. Any stains or damages to adjacent surfaces shall be restored, repaired or replaced at the contractor's expense to the satisfaction of the construction administrator.
- 4) The contractor shall exercise care during excavation to avoid disturbing any adjacent or underground existing utility lines. Any damage resulting from this construction shall be the contractor's responsibility and shall be restored to the satisfaction of the construction administrator.
- 5) The plans show above-ground structures and/or utilities believed to exist within the project limits. The contractor is warned that the exact or even approximate location of pipeline, subsurface structures and/or utilities believed to exist in the project area are not warranted to be accurate.
- 6) It is incumbent upon the contractor to verify/locate all utilities within the project area prior to commencing work. Unless separate payment is otherwise provided for in the contract, all costs associated with marking/locating underground utilities including, but not limited to hiring a utility tracing company, shall be deemed included in the various items of the contract. No Direct Payment.

LAYOUT NOTES

- 1) Written dimensions shall prevail.
- 2) All wood and metal dimensions are nominal unless otherwise specified.
- 3) All angles are 90 degrees unless otherwise specified.
- 4) All dimensions pertaining to layout of curbs and/or walls are from face of curb/wall unless otherwise specified.
- 5) Locations of all existing trees shall be verified in the field.
- 6) Changes shall not be made to the design or layout without prior approval of the Engineer.
- 7) Any new paths, drives or roads shall be constructed to have smooth curves with indistinguishable tangents. It is the design intent to have long smooth sinuous 's' curves. All transitions between straight sections and curves shall be gentle and smooth.
- 8) The Engineer and/or the construction administrator reserve the right to check any and all lines, grades and measurements of the work staked out by the contractor for their approval prior to allowing the contractor proceed with construction. The engineer and/or construction administrator reserve the right to make minor modifications to the design or layout of the work as needed.

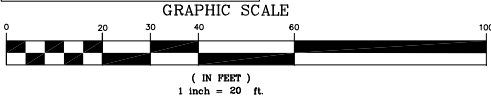
EXISTING FEATURE

- Unknown Manhole
- Sewer Manhole
- Drain Manhole
- Electric Manhole
- Telephone Manhole
- Guy Pole
- Utility Pole
- Catch Basin
- Light Pole
- Gas Valve
- Water Valve
- Water Meter
- Hydrant
- Sign
- Traffic Box
- Parking Meter

LEGEND

- EXISTING TREE TO REMAIN
- TRUNCATED COMES FOR PEDESTRIAN DROP CURB
- NEW ROOF LEADER CONNECTION
- CATCH BASIN (SEE CHART FOR WORK DESCRIPTION SHEET 12)
- PROPOSED GRANITE CURB 48
- PROPOSED VEHICULAR DRIVEWAY APRON 49
- SIGN

- ASPHALT - MILL & PAVE 3 48
- CONCRETE SIDEWALK 2 49
- ASPHALT DRIVEWAY REPAIR 6 48
- CONCRETE DRIVEWAY 5 49
- LAWN RESTORATION 2 47



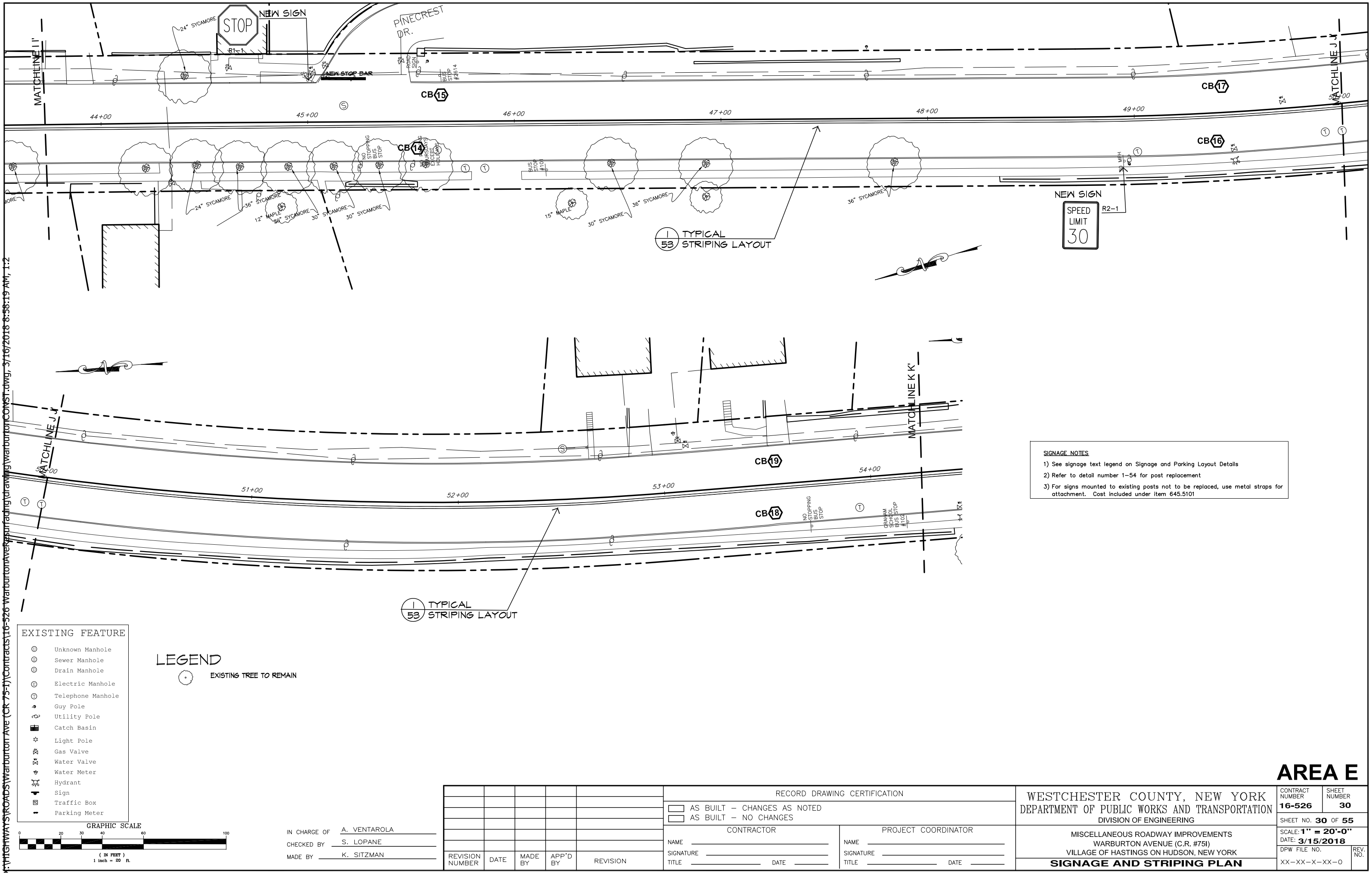
IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION	
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED	
<input type="checkbox"/> AS BUILT - NO CHANGES	
CONTRACTOR	
NAME	PROJECT COORDINATOR
SIGNATURE	SIGNATURE
TITLE	TITLE
DATE	DATE

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING	
MISCELLANEOUS ROADWAY IMPROVEMENTS WARBURTON AVENUE (C.R. #751) VILLAGE OF HASTINGS ON HUDSON, NEW YORK	
LAYOUT AND MATERIALS PLAN	
CONTRACT NUMBER 16-526	SHEET NUMBER 29
SHEET NO. 29 OF 55	
SCALE: 1" = 20'-0"	
DATE: 3/15/2018	
DPW FILE NO.	REV. NO.
XX-XX-X-XX-0	

AREA E

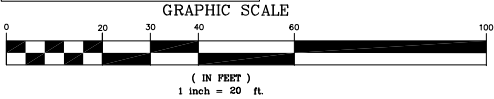


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EXISTING FEATURE	
⊙	Unknown Manhole
⊙	Sewer Manhole
⊙	Drain Manhole
⊙	Electric Manhole
⊙	Telephone Manhole
⊙	Guy Pole
⊙	Utility Pole
■	Catch Basin
☆	Light Pole
⊗	Gas Valve
⊗	Water Valve
⊗	Water Meter
⊗	Hydrant
⊗	Sign
⊗	Traffic Box
⊗	Parking Meter

LEGEND

 EXISTING TREE TO REMAIN



IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

REVISION	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION			
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED		<input type="checkbox"/> AS BUILT - NO CHANGES	
CONTRACTOR		PROJECT COORDINATOR	
NAME _____	NAME _____	NAME _____	NAME _____
SIGNATURE _____	SIGNATURE _____	SIGNATURE _____	SIGNATURE _____
TITLE _____	TITLE _____	TITLE _____	TITLE _____

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING	MISCELLANEOUS ROADWAY IMPROVEMENTS WARBURTON AVENUE (C.R. #751) VILLAGE OF HASTINGS ON HUDSON, NEW YORK	
	SIGNAGE AND STRIPING PLAN	

AREA E

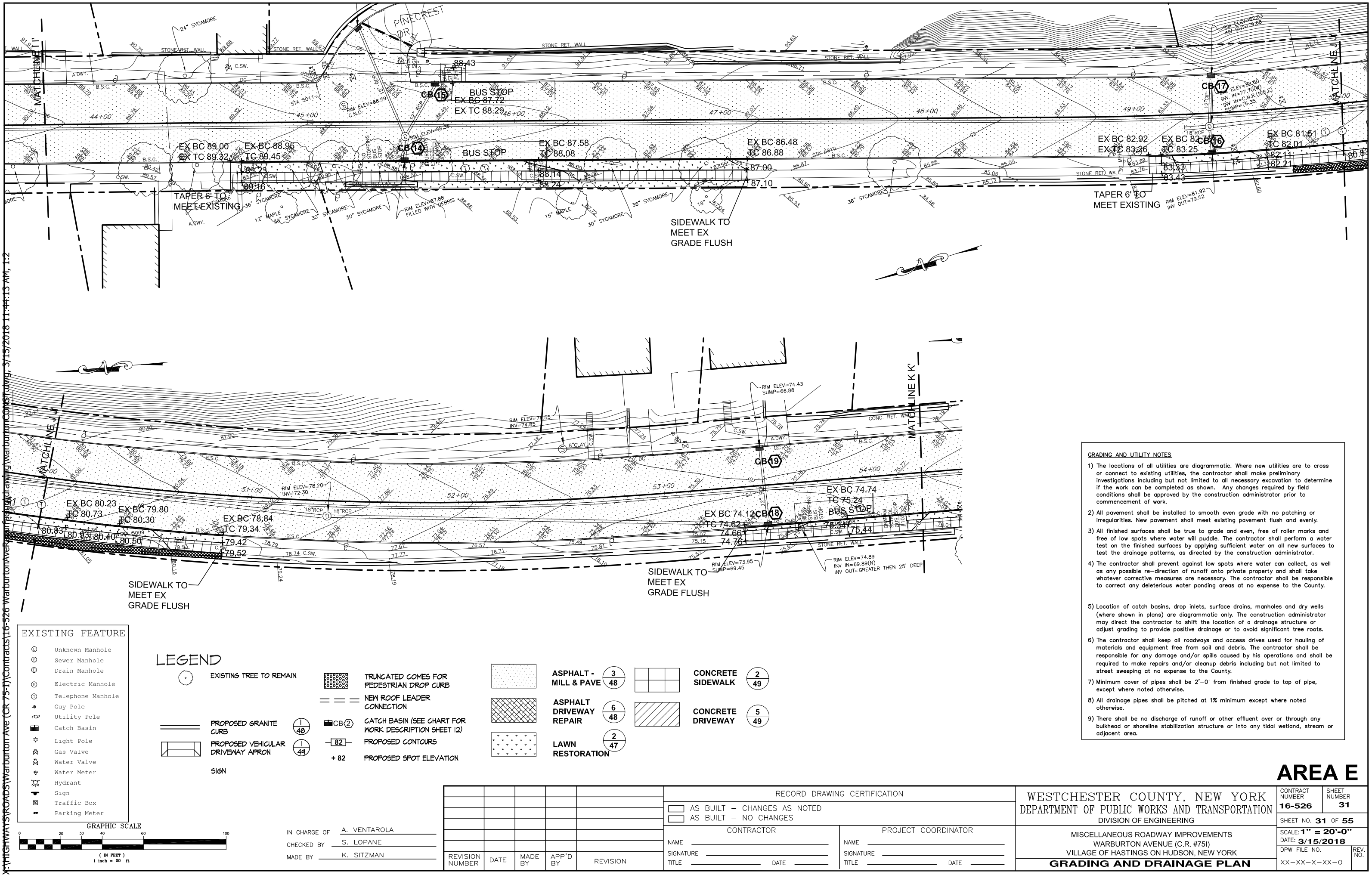
CONTRACT NUMBER 16-526	SHEET NUMBER 30
SHEET NO. 30 OF 55	
SCALE: 1" = 20'-0"	
DATE: 3/15/2018	
DPW FILE NO. XX-XX-X-XX-0	REV. NO.

- SIGNAGE NOTES
- 1) See signage text legend on Signage and Parking Layout Details

2) Refer to detail number 1-54 for post replacement

3) For signs mounted to existing posts not to be replaced, use metal straps for attachment. Cost included under item 645.5101

X:\HIGHWAYS\ROADS\Warburton Ave (CR 75-1)\Contracts\16-526 Warburton Ave\16-526 Warburton Ave.dwg, 3/15/2018 11:44:13 AM, 1:2



AREA E

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

MISCELLANEOUS ROADWAY IMPROVEMENTS
WARBURTON AVENUE (C.R. #751)
VILLAGE OF HASTINGS ON HUDSON, NEW YORK
GRADING AND DRAINAGE PLAN

CONTRACT NUMBER
16-526

SHEET NUMBER
31

SHEET NO. **31** OF **55**

SCALE: **1" = 20'-0"**

DATE: **3/15/2018**

DPW FILE NO.
XX-XX-X-XX-0

REV. NO.

RECORD DRAWING CERTIFICATION

AS BUILT - CHANGES AS NOTED
AS BUILT - NO CHANGES

CONTRACTOR

NAME
SIGNATURE
TITLE

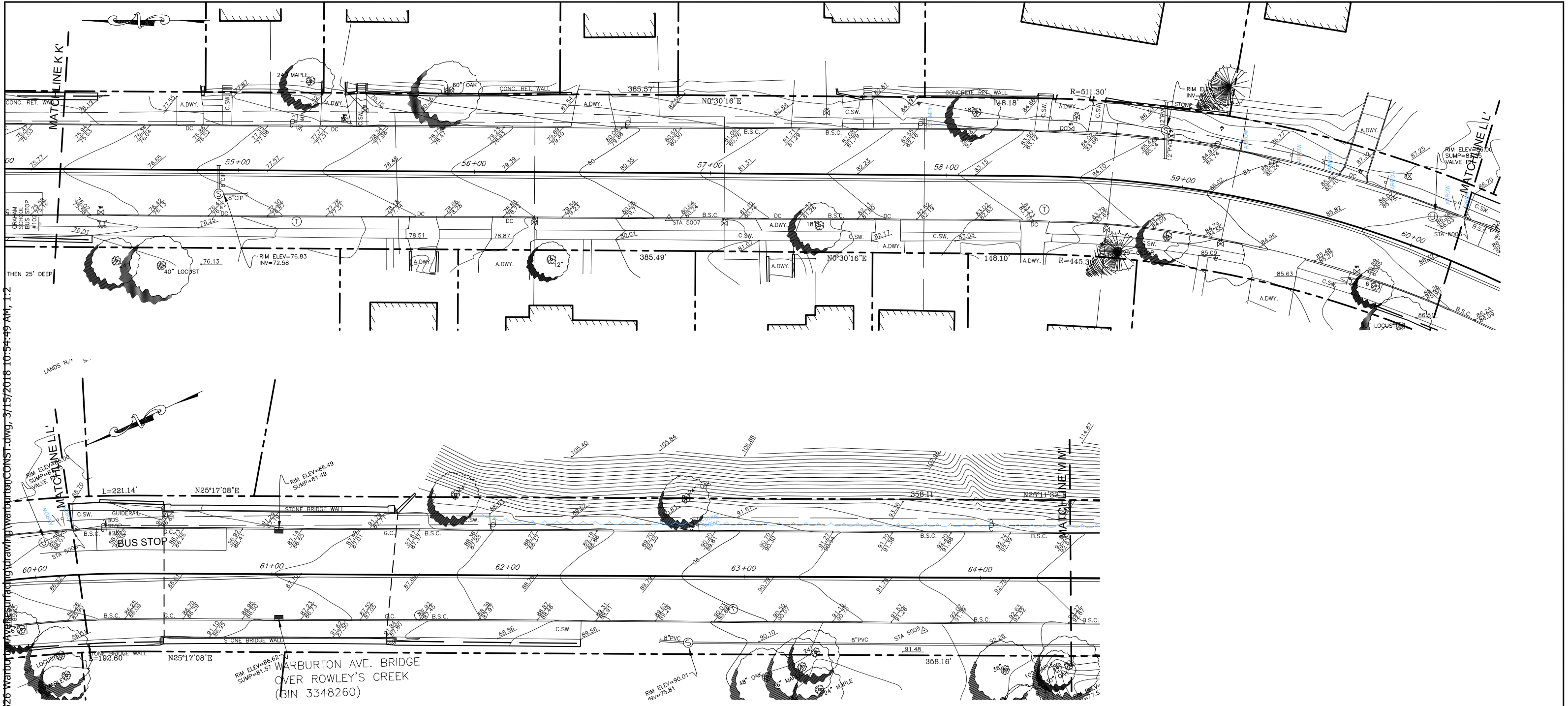
PROJECT COORDINATOR

NAME
SIGNATURE
TITLE

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

IN CHARGE OF **A. VENTAROLA**
CHECKED BY **S. LOPANE**
MADE BY **K. SITZMAN**

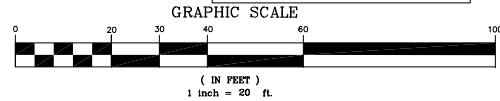
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EXISTING FEATURE	
⊙	Unknown Manhole
⊙	Sewer Manhole
⊙	Drain Manhole
⊙	Electric Manhole
⊙	Telephone Manhole
⊙	Guy Pole
⊙	Utility Pole
■	Catch Basin
☆	Light Pole
⊙	Gas Valve
⊙	Water Valve
⊙	Water Meter
⊙	Hydrant
⊙	Sign
⊙	Traffic Box
⊙	Parking Meter

LEGEND

⊙ EXISTING TREE TO REMAIN



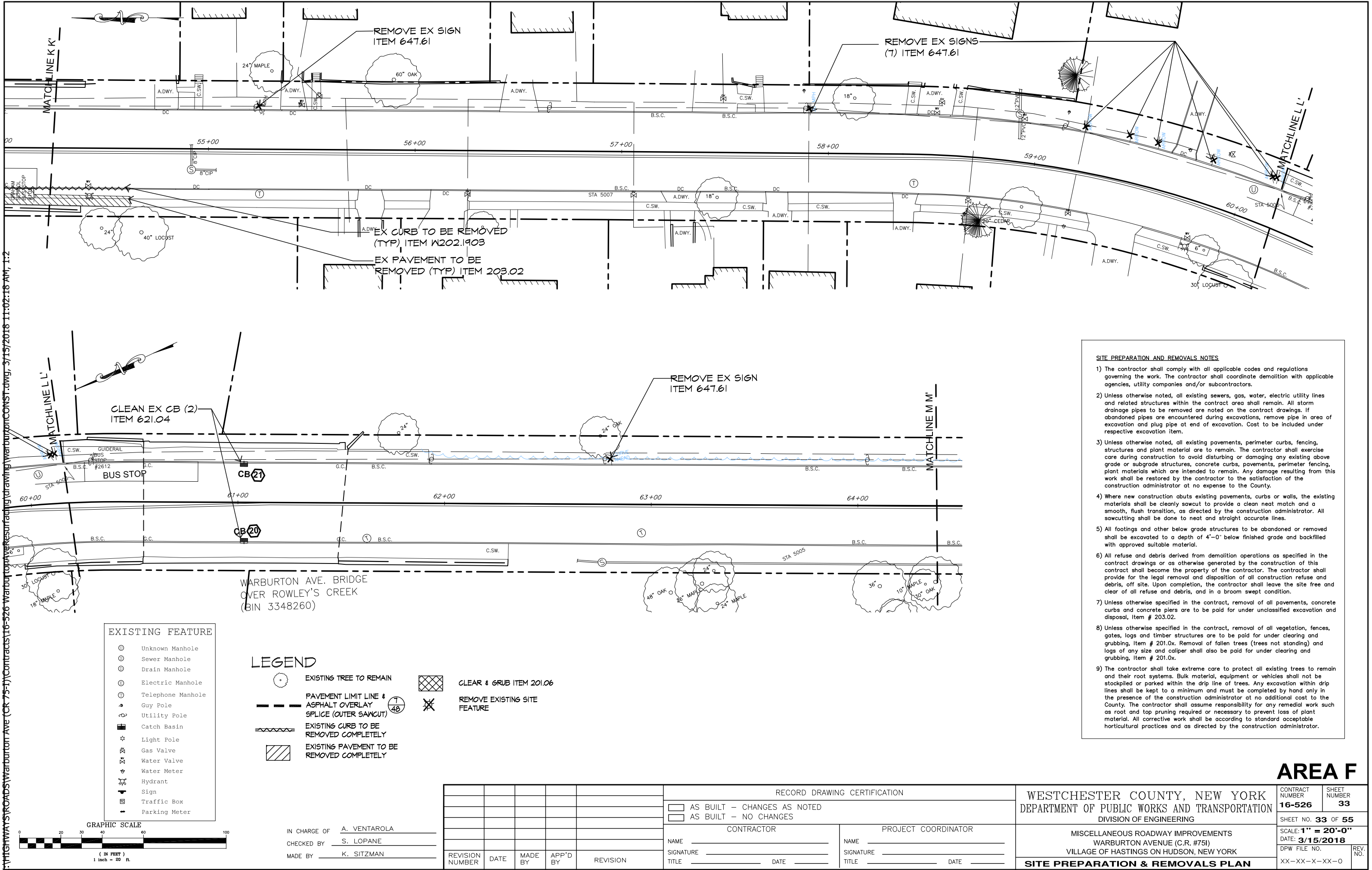
IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

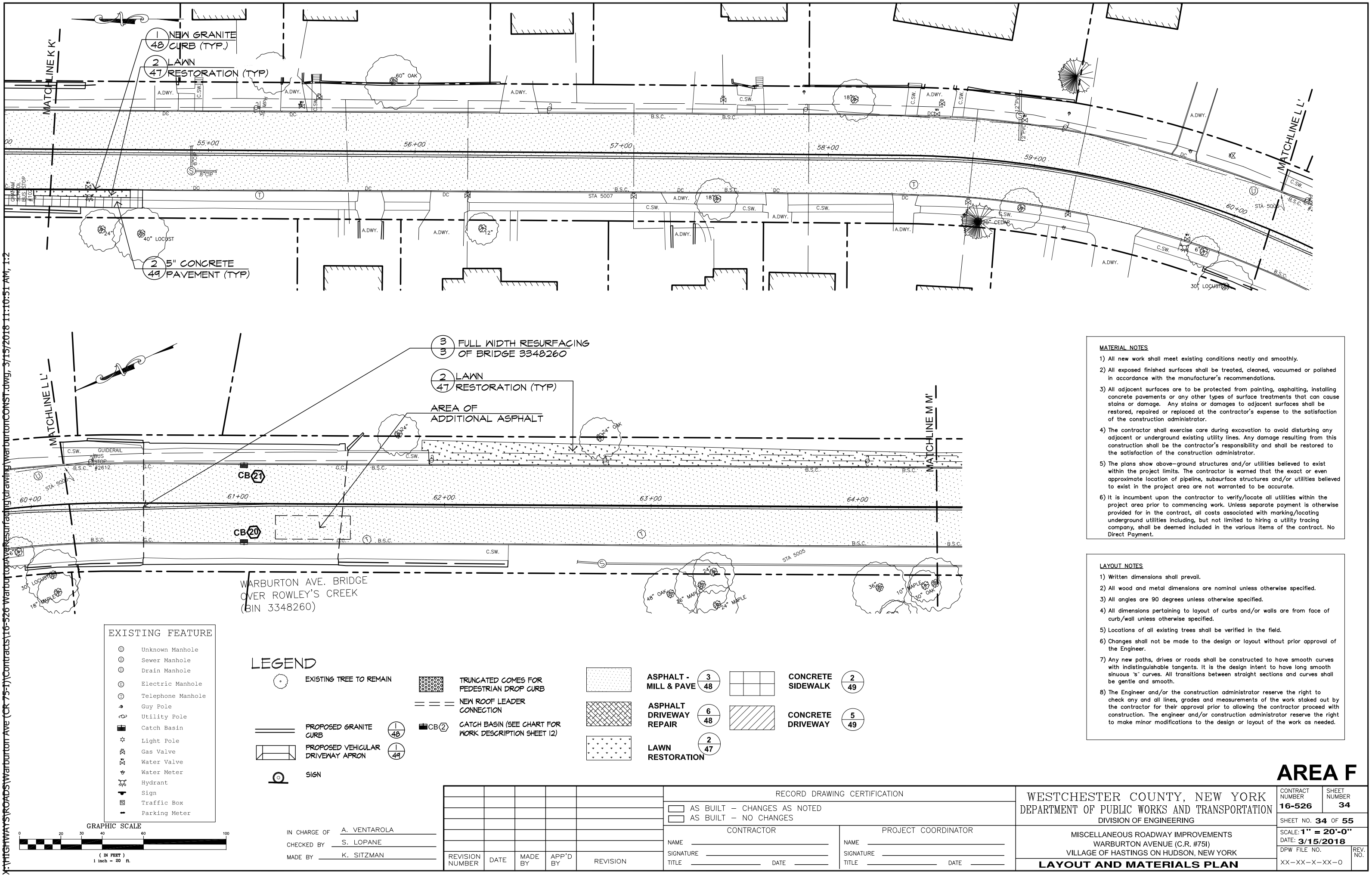
RECORD DRAWING CERTIFICATION			
AS BUILT - CHANGES AS NOTED		CONTRACTOR	
AS BUILT - NO CHANGES		PROJECT COORDINATOR	
NAME		NAME	
SIGNATURE		SIGNATURE	
TITLE		TITLE	

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING	CONTRACT NUMBER 16-526	SHEET NUMBER 32
	SHEET NO. 32 OF 55	
MISCELLANEOUS ROADWAY IMPROVEMENTS WARBURTON AVENUE (C.R. #751) VILLAGE OF HASTINGS ON HUDSON, NEW YORK	SCALE: 1" = 20'-0" DATE: 3/15/2018	
	DPW FILE NO. XX-XX-X-XX-0	REV. NO.
EXISTING CONDITIONS PLAN		

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- MATERIAL NOTES**
- 1) All new work shall meet existing conditions neatly and smoothly.
 - 2) All exposed finished surfaces shall be treated, cleaned, vacuumed or polished in accordance with the manufacturer's recommendations.
 - 3) All adjacent surfaces are to be protected from painting, asphalt, installing concrete pavements or any other types of surface treatments that can cause stains or damage. Any stains or damages to adjacent surfaces shall be restored, repaired or replaced at the contractor's expense to the satisfaction of the construction administrator.
 - 4) The contractor shall exercise care during excavation to avoid disturbing any adjacent or underground existing utility lines. Any damage resulting from this construction shall be the contractor's responsibility and shall be restored to the satisfaction of the construction administrator.
 - 5) The plans show above-ground structures and/or utilities believed to exist within the project limits. The contractor is warned that the exact or even approximate location of pipeline, subsurface structures and/or utilities believed to exist in the project area are not warranted to be accurate.
 - 6) It is incumbent upon the contractor to verify/locate all utilities within the project area prior to commencing work. Unless separate payment is otherwise provided for in the contract, all costs associated with marking/locating underground utilities including, but not limited to hiring a utility tracing company, shall be deemed included in the various items of the contract. No Direct Payment.

- LAYOUT NOTES**
- 1) Written dimensions shall prevail.
 - 2) All wood and metal dimensions are nominal unless otherwise specified.
 - 3) All angles are 90 degrees unless otherwise specified.
 - 4) All dimensions pertaining to layout of curbs and/or walls are from face of curb/wall unless otherwise specified.
 - 5) Locations of all existing trees shall be verified in the field.
 - 6) Changes shall not be made to the design or layout without prior approval of the Engineer.
 - 7) Any new paths, drives or roads shall be constructed to have smooth curves with indistinguishable tangents. It is the design intent to have long smooth sinuous 's' curves. All transitions between straight sections and curves shall be gentle and smooth.
 - 8) The Engineer and/or the construction administrator reserve the right to check any and all lines, grades and measurements of the work staked out by the contractor for their approval prior to allowing the contractor proceed with construction. The engineer and/or construction administrator reserve the right to make minor modifications to the design or layout of the work as needed.

AREA F

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

MISCELLANEOUS ROADWAY IMPROVEMENTS
WARBURTON AVENUE (C.R. #751)
VILLAGE OF HASTINGS ON HUDSON, NEW YORK

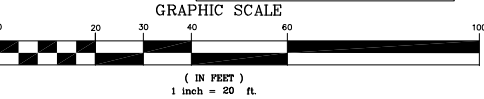
LAYOUT AND MATERIALS PLAN

CONTRACT NUMBER 16-526	SHEET NUMBER 34
SHEET NO. 34 OF 55	
SCALE: 1" = 20'-0"	
DATE: 3/15/2018	
DPW FILE NO. XX-XX-X-XX-0	REV. NO.

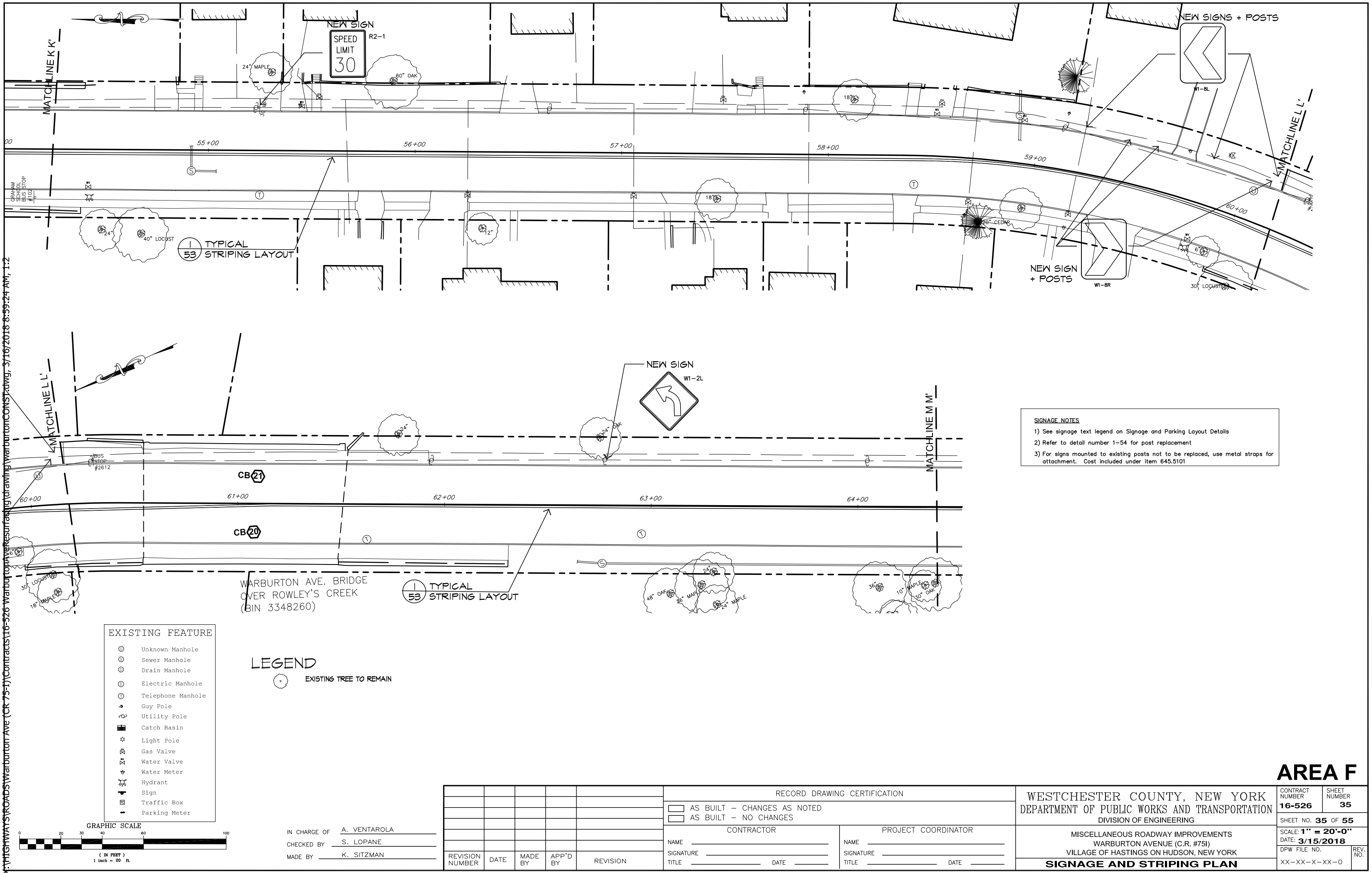
RECORD DRAWING CERTIFICATION					
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED					
<input type="checkbox"/> AS BUILT - NO CHANGES					
CONTRACTOR			PROJECT COORDINATOR		
NAME _____			NAME _____		
SIGNATURE _____			SIGNATURE _____		
TITLE _____			TITLE _____		
DATE _____			DATE _____		
REVISION	DATE	MADE BY	APP'D BY	REVISION	

IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

- EXISTING FEATURE**
- Unknown Manhole
 - Sewer Manhole
 - Drain Manhole
 - Electric Manhole
 - Telephone Manhole
 - Guy Pole
 - Utility Pole
 - Catch Basin
 - Light Pole
 - Gas Valve
 - Water Valve
 - Water Meter
 - Hydrant
 - Sign
 - Traffic Box
 - Parking Meter



- LEGEND**
- EXISTING TREE TO REMAIN
 - PROPOSED GRANITE CURB
 - PROPOSED VEHICULAR DRIVEWAY APRON
 - SIGN
 - TRUNCATED COMES FOR PEDESTRIAN DROP CURB
 - NEW ROOF LEADER CONNECTION
 - CATCH BASIN (SEE CHART FOR WORK DESCRIPTION SHEET 12)
 - ASPHALT - MILL & PAVE
 - ASPHALT DRIVEWAY REPAIR
 - LAWN RESTORATION
 - CONCRETE SIDEWALK
 - CONCRETE DRIVEWAY



SIGNAGE NOTES

1) See signage text legend on Signage and Parking Layout Details

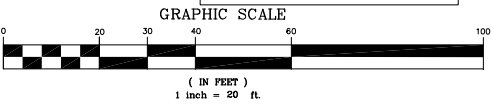
2) Refer to detail number 1-54 for post replacement

3) For signs mounted to existing posts not to be replaced, use metal straps for attachment. Cost included under item 645.5101

- EXISTING FEATURE**
- Unknown Manhole
 - Sewer Manhole
 - Drain Manhole
 - Electric Manhole
 - Telephone Manhole
 - Guy Pole
 - Utility Pole
 - Catch Basin
 - Light Pole
 - Gas Valve
 - Water Valve
 - Water Meter
 - Hydrant
 - Sign
 - Traffic Box
 - Parking Meter

LEGEND

EXISTING TREE TO REMAIN



IN CHARGE OF A. VENTAROLA

CHECKED BY S. LOPANE

MADE BY K. SITZMAN

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION	
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<input type="checkbox"/> AS BUILT - NO CHANGES	
CONTRACTOR	
NAME _____	NAME _____
SIGNATURE _____	SIGNATURE _____
TITLE _____	TITLE _____
DATE _____	DATE _____

WESTCHESTER COUNTY, NEW YORK

DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION

DIVISION OF ENGINEERING

MISCELLANEOUS ROADWAY IMPROVEMENTS

WARBURTON AVENUE (C.R. #751)

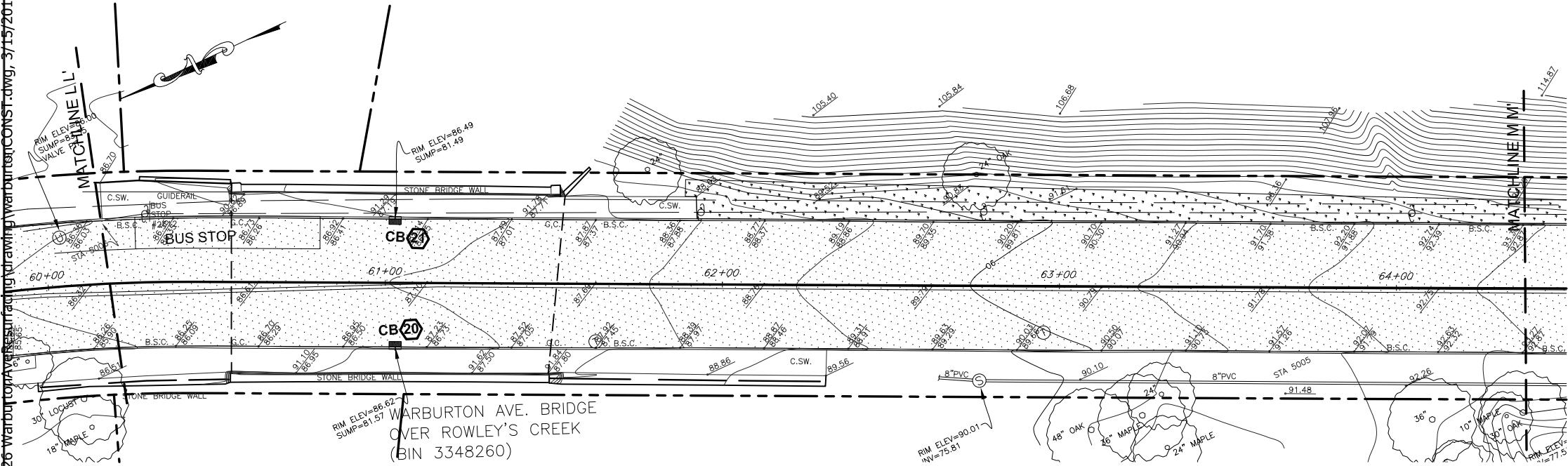
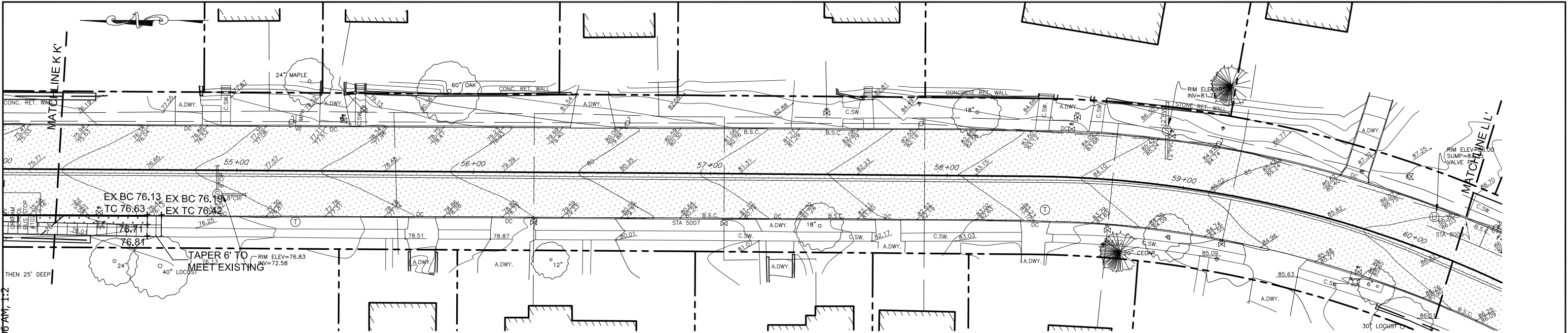
VILLAGE OF HASTINGS ON HUDSON, NEW YORK

SIGNAGE AND STRIPING PLAN

CONTRACT NUMBER 16-526	SHEET NUMBER 35
SHEET NO. 35 OF 55	
SCALE: 1" = 20'-0"	
DATE: 3/15/2018	
DPW FILE NO. XX-XX-X-XX-0	REV. NO.

AREA F

X:\HIGHWAYS\ROADS\Warburton Ave (CR 75-1)\Contracts\16-526 Warburton Ave Road Surfacing.dwg, 3/15/2018 11:45:06 AM, 1:2



EXISTING FEATURE	
	Unknown Manhole
	Sewer Manhole
	Drain Manhole
	Electric Manhole
	Telephone Manhole
	Guy Pole
	Utility Pole
	Catch Basin
	Light Pole
	Gas Valve
	Water Valve
	Water Meter
	Hydrant
	Sign
	Traffic Box
	Parking Meter

LEGEND

	EXISTING TREE TO REMAIN		TRUNCATED CURB FOR PEDESTRIAN DROP CURB
	PROPOSED GRANITE CURB		NEW ROOF LEADER CONNECTION
	PROPOSED VEHICULAR DRIVEWAY APRON		CATCH BASIN (SEE CHART FOR WORK DESCRIPTION SHEET 12)
	SIGN		PROPOSED CONTOURS
			PROPOSED SPOT ELEVATION

	ASPHALT - MILL & PAVE		CONCRETE SIDEWALK
	ASPHALT DRIVEWAY REPAIR		CONCRETE DRIVEWAY
	LAWN RESTORATION		

GRADING AND UTILITY NOTES

- The locations of all utilities are diagrammatic. Where new utilities are to cross or connect to existing utilities, the contractor shall make preliminary investigations including but not limited to all necessary excavation to determine if the work can be completed as shown. Any changes required by field conditions shall be approved by the construction administrator prior to commencement of work.
- All pavement shall be installed to smooth even grade with no patching or irregularities. New pavement shall meet existing pavement flush and evenly.
- All finished surfaces shall be true to grade and even, free of roller marks and free of low spots where water will puddle. The contractor shall perform a water test on the finished surfaces by applying sufficient water on all new surfaces to test the drainage patterns, as directed by the construction administrator.
- The contractor shall prevent against low spots where water can collect, as well as any possible re-direction of runoff onto private property and shall take whatever corrective measures are necessary. The contractor shall be responsible to correct any deleterious water ponding areas at no expense to the County.
- Location of catch basins, drop inlets, surface drains, manholes and dry wells (where shown in plans) are diagrammatic only. The construction administrator may direct the contractor to shift the location of a drainage structure or adjust grading to provide positive drainage or to avoid significant tree roots.
- The contractor shall keep all roadways and access drives used for hauling of materials and equipment free from soil and debris. The contractor shall be responsible for any damage and/or spills caused by his operations and shall be required to make repairs and/or cleanup debris including but not limited to street sweeping at no expense to the County.
- Minimum cover of pipes shall be 2'-0" from finished grade to top of pipe, except where noted otherwise.
- All drainage pipes shall be pitched at 1% minimum except where noted otherwise.
- There shall be no discharge of runoff or other effluent over or through any bulkhead or shoreline stabilization structure or into any tidal wetland, stream or adjacent area.

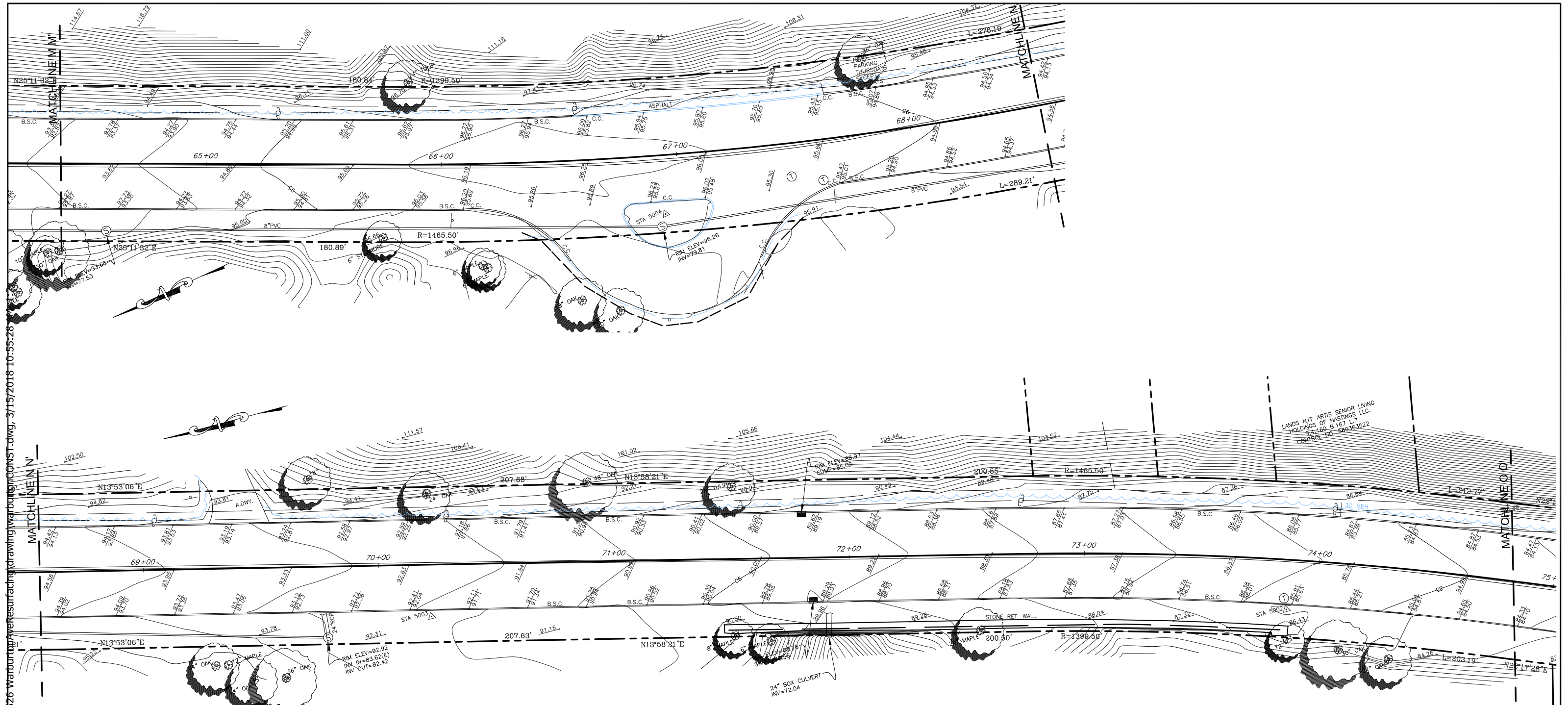
AREA F

IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

REVISION	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION			
AS BUILT - CHANGES AS NOTED			
AS BUILT - NO CHANGES			
CONTRACTOR		PROJECT COORDINATOR	
NAME		NAME	
SIGNATURE		SIGNATURE	
TITLE		TITLE	

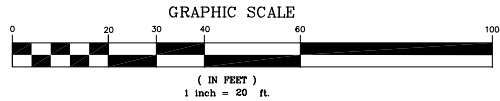
WESTCHESTER COUNTY, NEW YORK		CONTRACT NUMBER	SHEET NUMBER
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		16-526	36
DIVISION OF ENGINEERING		SHEET NO. 36 OF 55	
MISCELLANEOUS ROADWAY IMPROVEMENTS		SCALE: 1" = 20'-0"	
WARBURTON AVENUE (C.R. #751)		DATE: 3/15/2018	
VILLAGE OF HASTINGS ON HUDSON, NEW YORK		DPW FILE NO.	REV. NO.
GRADING AND DRAINAGE PLAN		XX-XX-X-XX-0	



- EXISTING FEATURE**
- Unknown Manhole
 - Sewer Manhole
 - Drain Manhole
 - Electric Manhole
 - Telephone Manhole
 - Guy Pole
 - Utility Pole
 - Catch Basin
 - Light Pole
 - Gas Valve
 - Water Valve
 - Water Meter
 - Hydrant
 - Sign
 - Traffic Box
 - Parking Meter

LEGEND

EXISTING TREE TO REMAIN



IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION			
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<input type="checkbox"/> AS BUILT - NO CHANGES			
CONTRACTOR		PROJECT COORDINATOR	
NAME _____	NAME _____	NAME _____	NAME _____
SIGNATURE _____	SIGNATURE _____	SIGNATURE _____	SIGNATURE _____
TITLE _____	TITLE _____	TITLE _____	TITLE _____

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

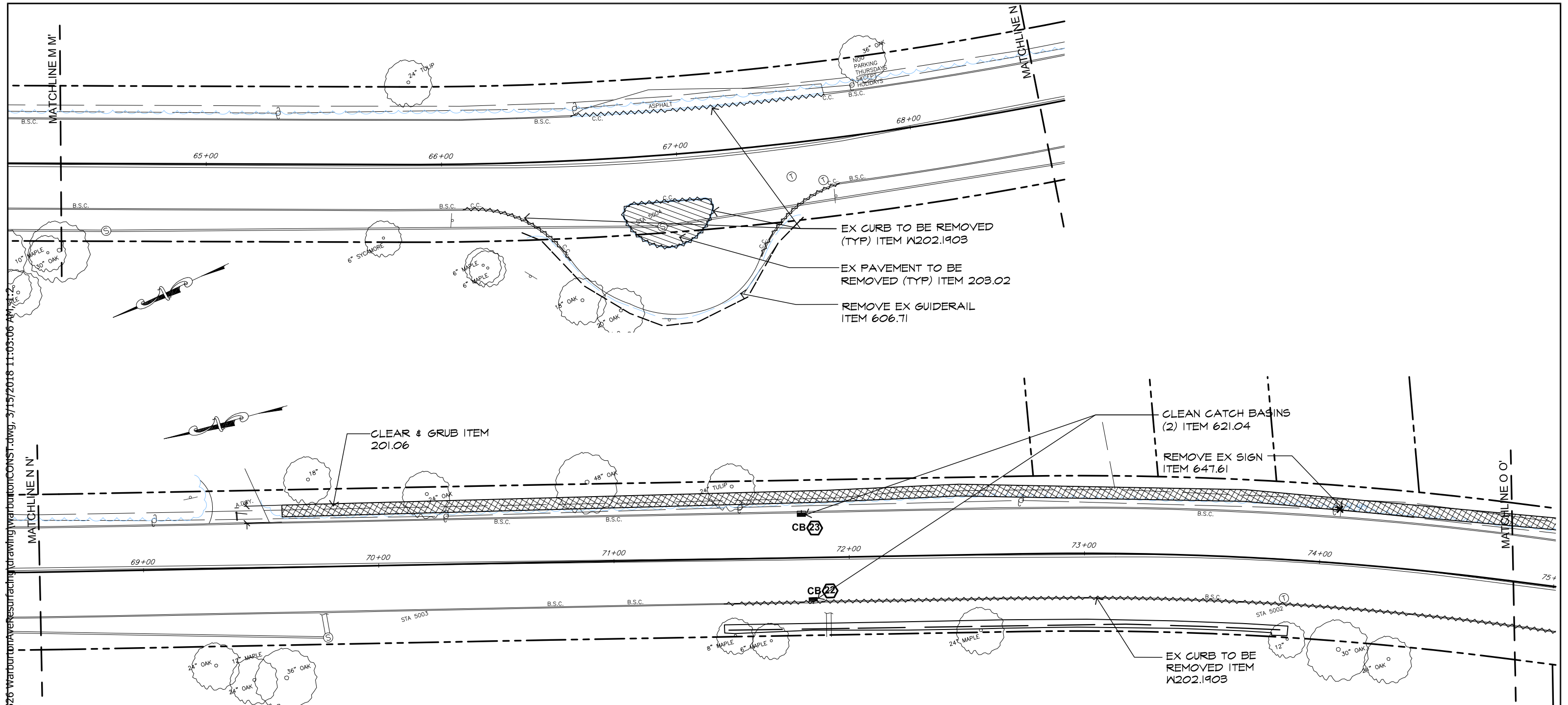
MISCELLANEOUS ROADWAY IMPROVEMENTS
WARBURTON AVENUE (C.R. #751)
VILLAGE OF HASTINGS ON HUDSON, NEW YORK

EXISTING CONDITIONS PLAN

AREA G

CONTRACT NUMBER 16-526	SHEET NUMBER 37
SHEET NO. 37 OF 55	
SCALE: 1" = 20'-0"	
DATE: 3/15/2018	
DPW FILE NO.	REV. NO.
XX-XX-X-XX-0	

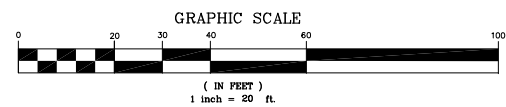
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- EXISTING FEATURE**
- Unknown Manhole
 - ⊙ Sewer Manhole
 - ⊙ Drain Manhole
 - ⊙ Electric Manhole
 - ⊙ Telephone Manhole
 - ⊙ Guy Pole
 - ⊙ Utility Pole
 - Catch Basin
 - ☆ Light Pole
 - ☆ Gas Valve
 - ☆ Water Valve
 - ☆ Water Meter
 - ⦿ Hydrant
 - ⦿ Sign
 - ⦿ Traffic Box
 - ⦿ Parking Meter

LEGEND

- EXISTING TREE TO REMAIN
- ▨ CLEAR & GRUB ITEM 201.06
- PAVEMENT LIMIT LINE & ASPHALT OVERLAY SPLICE (OUTER SAWCUT)
- ⊗ REMOVE EXISTING SITE FEATURE
- ⚡ EXISTING CURB TO BE REMOVED COMPLETELY
- ▨ EXISTING PAVEMENT TO BE REMOVED COMPLETELY



IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION			
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<input type="checkbox"/> AS BUILT - NO CHANGES			
CONTRACTOR		PROJECT COORDINATOR	
NAME _____	NAME _____	NAME _____	NAME _____
SIGNATURE _____	SIGNATURE _____	SIGNATURE _____	SIGNATURE _____
TITLE _____	TITLE _____	TITLE _____	TITLE _____

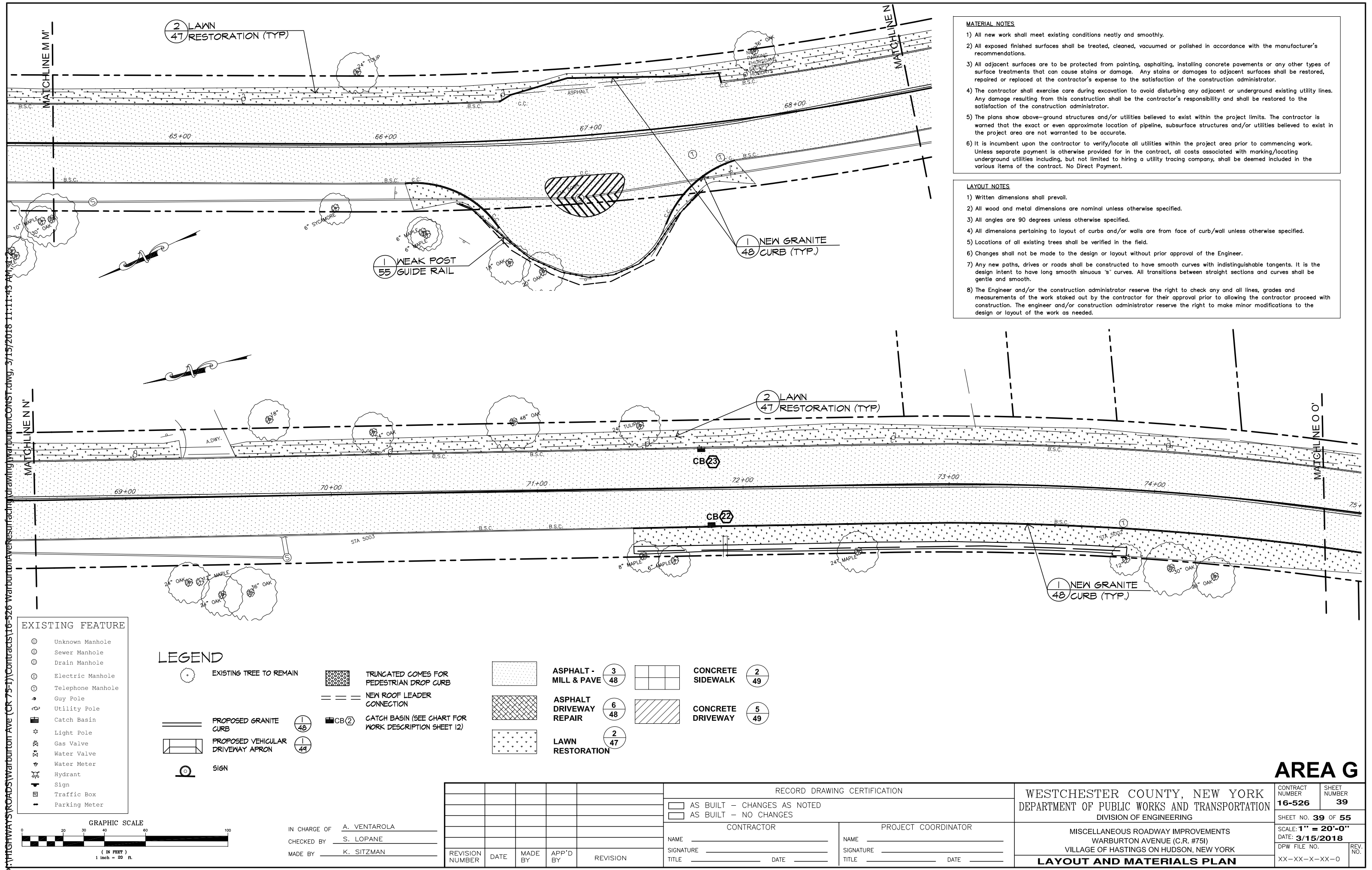
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

MISCELLANEOUS ROADWAY IMPROVEMENTS
WARBURTON AVENUE (C.R. #751)
VILLAGE OF HASTINGS ON HUDSON, NEW YORK

SITE PREPARATION & REMOVALS PLAN

AREA G

CONTRACT NUMBER 16-526	SHEET NUMBER 38
SHEET NO. 38 OF 55	
SCALE: 1" = 20'-0"	
DATE: 3/15/2018	REV. NO.
DPW FILE NO.	XX-XX-X-XX-0



- MATERIAL NOTES**
- 1) All new work shall meet existing conditions neatly and smoothly.
 - 2) All exposed finished surfaces shall be treated, cleaned, vacuumed or polished in accordance with the manufacturer's recommendations.
 - 3) All adjacent surfaces are to be protected from painting, asphaltting, installing concrete pavements or any other types of surface treatments that can cause stains or damage. Any stains or damages to adjacent surfaces shall be restored, repaired or replaced at the contractor's expense to the satisfaction of the construction administrator.
 - 4) The contractor shall exercise care during excavation to avoid disturbing any adjacent or underground existing utility lines. Any damage resulting from this construction shall be the contractor's responsibility and shall be restored to the satisfaction of the construction administrator.
 - 5) The plans show above-ground structures and/or utilities believed to exist within the project limits. The contractor is warned that the exact or even approximate location of pipeline, subsurface structures and/or utilities believed to exist in the project area are not warranted to be accurate.
 - 6) It is incumbent upon the contractor to verify/locate all utilities within the project area prior to commencing work. Unless separate payment is otherwise provided for in the contract, all costs associated with marking/locating underground utilities including, but not limited to hiring a utility tracing company, shall be deemed included in the various items of the contract. No Direct Payment.

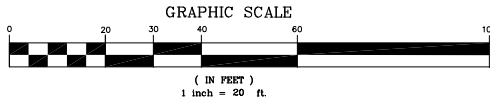
- LAYOUT NOTES**
- 1) Written dimensions shall prevail.
 - 2) All wood and metal dimensions are nominal unless otherwise specified.
 - 3) All angles are 90 degrees unless otherwise specified.
 - 4) All dimensions pertaining to layout of curbs and/or walls are from face of curb/wall unless otherwise specified.
 - 5) Locations of all existing trees shall be verified in the field.
 - 6) Changes shall not be made to the design or layout without prior approval of the Engineer.
 - 7) Any new paths, drives or roads shall be constructed to have smooth curves with indistinguishable tangents. It is the design intent to have long smooth sinuous 's' curves. All transitions between straight sections and curves shall be gentle and smooth.
 - 8) The Engineer and/or the construction administrator reserve the right to check any and all lines, grades and measurements of the work staked out by the contractor for their approval prior to allowing the contractor proceed with construction. The engineer and/or construction administrator reserve the right to make minor modifications to the design or layout of the work as needed.

- EXISTING FEATURE**
- Unknown Manhole
 - Sewer Manhole
 - Drain Manhole
 - Electric Manhole
 - Telephone Manhole
 - Guy Pole
 - Utility Pole
 - Catch Basin
 - Light Pole
 - Gas Valve
 - Water Valve
 - Water Meter
 - Hydrant
 - Sign
 - Traffic Box
 - Parking Meter

LEGEND

- EXISTING TREE TO REMAIN
- PROPOSED GRANITE CURB
- PROPOSED VEHICULAR DRIVEWAY APRON
- SIGN
- TRUNCATED COMES FOR PEDESTRIAN DROP CURB
- NEW ROOF LEADER CONNECTION
- CATCH BASIN (SEE CHART FOR WORK DESCRIPTION SHEET 12)

- ASPHALT - MILL & PAVE
- ASPHALT DRIVEWAY REPAIR
- LAWN RESTORATION
- CONCRETE SIDEWALK
- CONCRETE DRIVEWAY



IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

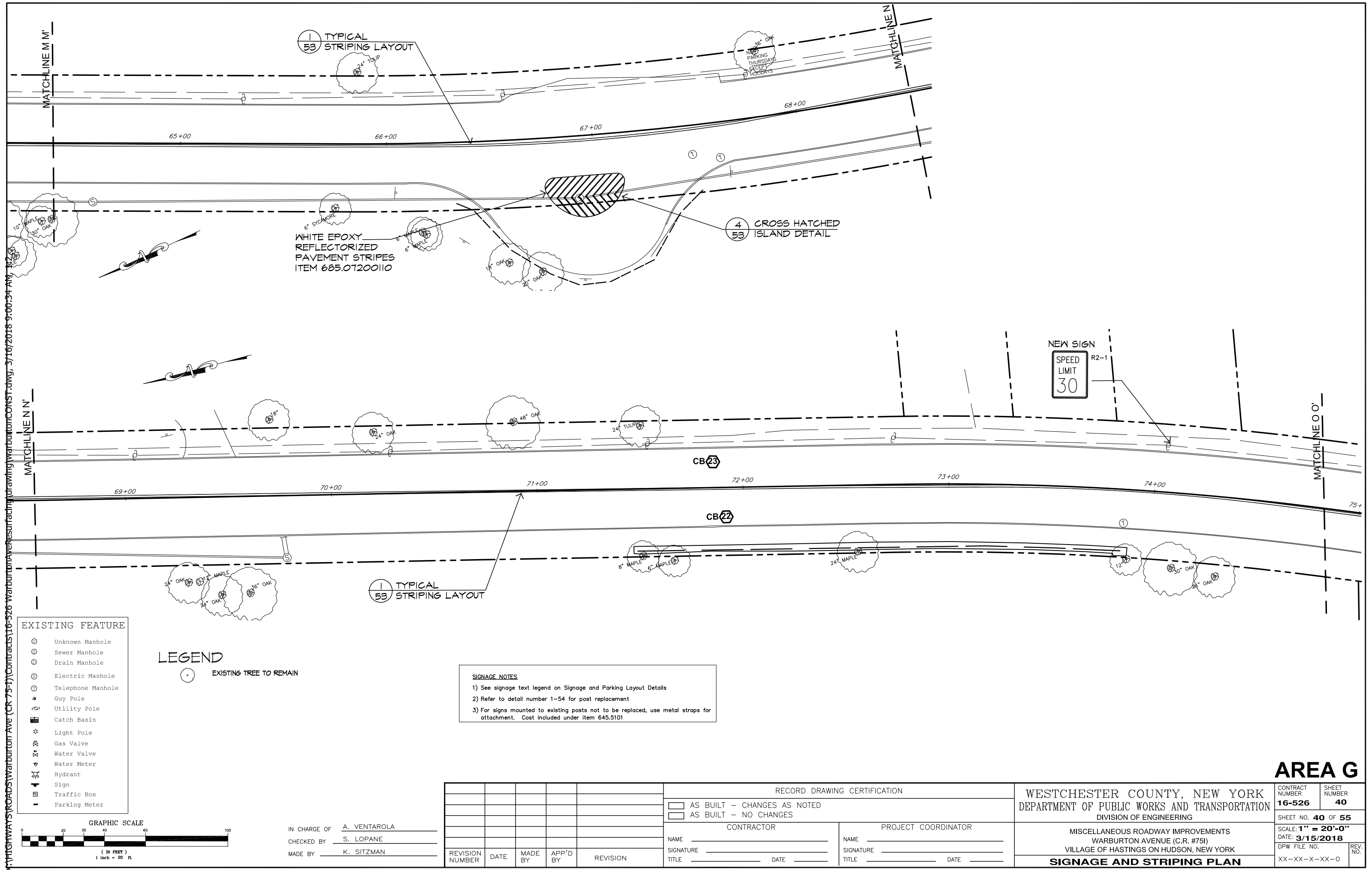
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

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CONTRACTOR		PROJECT COORDINATOR	
NAME		NAME	
SIGNATURE		SIGNATURE	
TITLE		TITLE	
	DATE		DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING
MISCELLANEOUS ROADWAY IMPROVEMENTS
WARBURTON AVENUE (C.R. #751)
VILLAGE OF HASTINGS ON HUDSON, NEW YORK
LAYOUT AND MATERIALS PLAN

AREA G

CONTRACT NUMBER 16-526	SHEET NUMBER 39
SHEET NO. 39 OF 55	
SCALE: 1" = 20'-0"	
DATE: 3/15/2018	REV. NO.
DPW FILE NO. XX-XX-X-XX-0	



EXISTING FEATURE

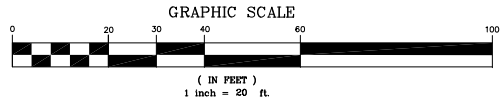
- Unknown Manhole
- Sewer Manhole
- Drain Manhole
- Electric Manhole
- Telephone Manhole
- Guy Pole
- Utility Pole
- Catch Basin
- Light Pole
- Gas Valve
- Water Valve
- Water Meter
- Hydrant
- Sign
- Traffic Box
- Parking Meter

LEGEND

EXISTING TREE TO REMAIN

SIGNAGE NOTES

- 1) See signage text legend on Signage and Parking Layout Details
- 2) Refer to detail number 1-54 for post replacement
- 3) For signs mounted to existing posts not to be replaced, use metal straps for attachment. Cost included under item 645.5101



IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION			
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CONTRACTOR		PROJECT COORDINATOR	
NAME		NAME	
SIGNATURE		SIGNATURE	
TITLE		TITLE	

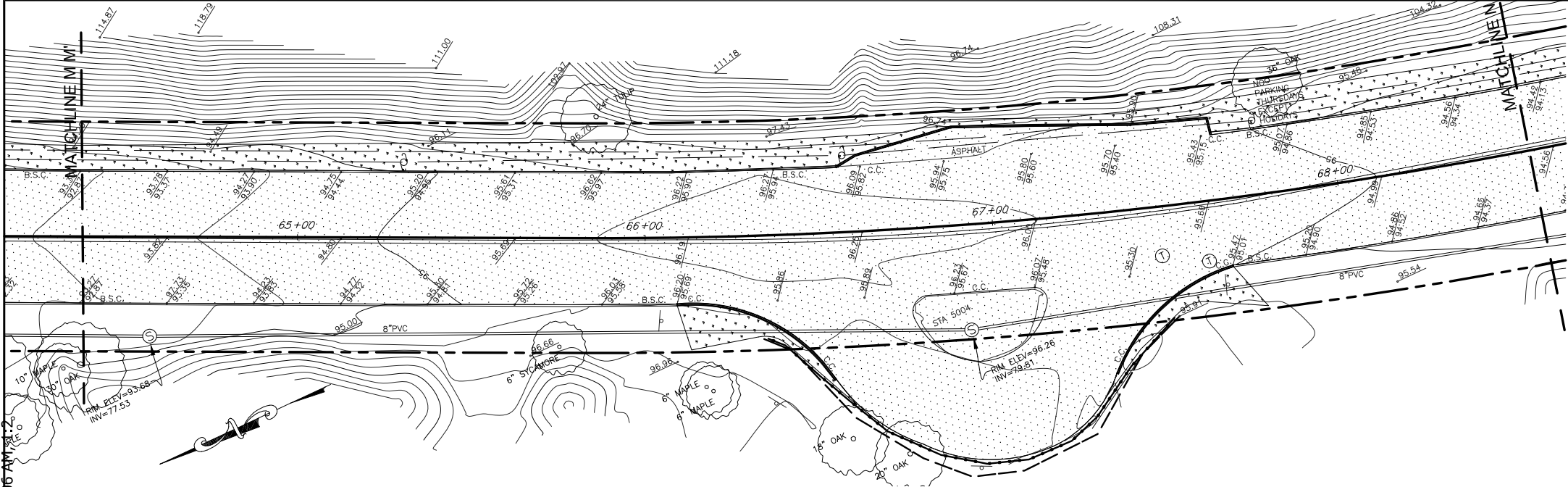
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

MISCELLANEOUS ROADWAY IMPROVEMENTS
WARBURTON AVENUE (C.R. #751)
VILLAGE OF HASTINGS ON HUDSON, NEW YORK

SIGNAGE AND STRIPING PLAN

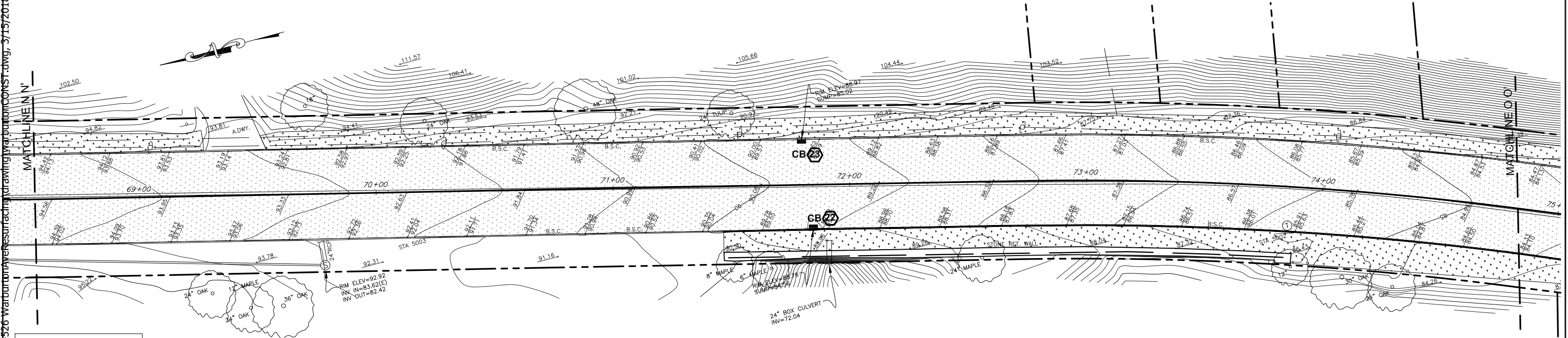
AREA G

CONTRACT NUMBER 16-526	SHEET NUMBER 40
SHEET NO. 40 OF 55	
SCALE: 1" = 20'-0"	
DATE: 3/15/2018	
DPW FILE NO.	REV. NO.
XX-XX-X-XX-0	



GRADING AND UTILITY NOTES

- 1) The locations of all utilities are diagrammatic. Where new utilities are to cross or connect to existing utilities, the contractor shall make preliminary investigations including but not limited to all necessary excavation to determine if the work can be completed as shown. Any changes required by field conditions shall be approved by the construction administrator prior to commencement of work.
- 2) All pavement shall be installed to smooth even grade with no patching or irregularities. New pavement shall meet existing pavement flush and evenly.
- 3) All finished surfaces shall be true to grade and even, free of roller marks and free of low spots where water will puddle. The contractor shall perform a water test on the finished surfaces by applying sufficient water on all new surfaces to test the drainage patterns, as directed by the construction administrator.
- 4) The contractor shall prevent against low spots where water can collect, as well as any possible re-direction of runoff onto private property and shall take whatever corrective measures are necessary. The contractor shall be responsible to correct any deleterious water ponding areas at no expense to the County.
- 5) Location of catch basins, drop inlets, surface drains, manholes and dry wells (where shown in plans) are diagrammatic only. The construction administrator may direct the contractor to shift the location of a drainage structure or adjust grading to provide positive drainage or to avoid significant tree roots.
- 6) The contractor shall keep all roadways and access drives used for hauling of materials and equipment free from soil and debris. The contractor shall be responsible for any damage and/or spills caused by his operations and shall be required to make repairs and/or cleanup debris including but not limited to street sweeping at no expense to the County.
- 7) Minimum cover of pipes shall be 2'-0" from finished grade to top of pipe, except where noted otherwise.
- 8) All drainage pipes shall be pitched at 1% minimum except where noted otherwise.
- 9) There shall be no discharge of runoff or other effluent over or through any bulkhead or shoreline stabilization structure or into any tidal wetland, stream or adjacent area.



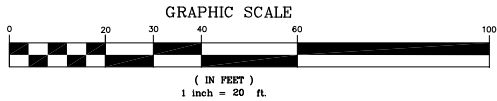
EXISTING FEATURE

- Unknown Manhole
- Sewer Manhole
- Drain Manhole
- Electric Manhole
- Telephone Manhole
- Guy Pole
- Utility Pole
- Catch Basin
- Light Pole
- Gas Valve
- Water Valve
- Water Meter
- Hydrant
- Sign
- Traffic Box
- Parking Meter

LEGEND

- EXISTING TREE TO REMAIN
- PROPOSED GRANITE CURB
- PROPOSED VEHICULAR DRIVEWAY APRON
- TRUNCATED COMES FOR PEDESTRIAN DROP CURB
- NEW ROOF LEADER CONNECTION
- CATCH BASIN (SEE CHART FOR WORK DESCRIPTION SHEET 12)
- PROPOSED CONTOURS
- PROPOSED SPOT ELEVATION

- ASPHALT - MILL & PAVE
- ASPHALT DRIVEWAY REPAIR
- LAWN RESTORATION
- CONCRETE SIDEWALK
- CONCRETE DRIVEWAY



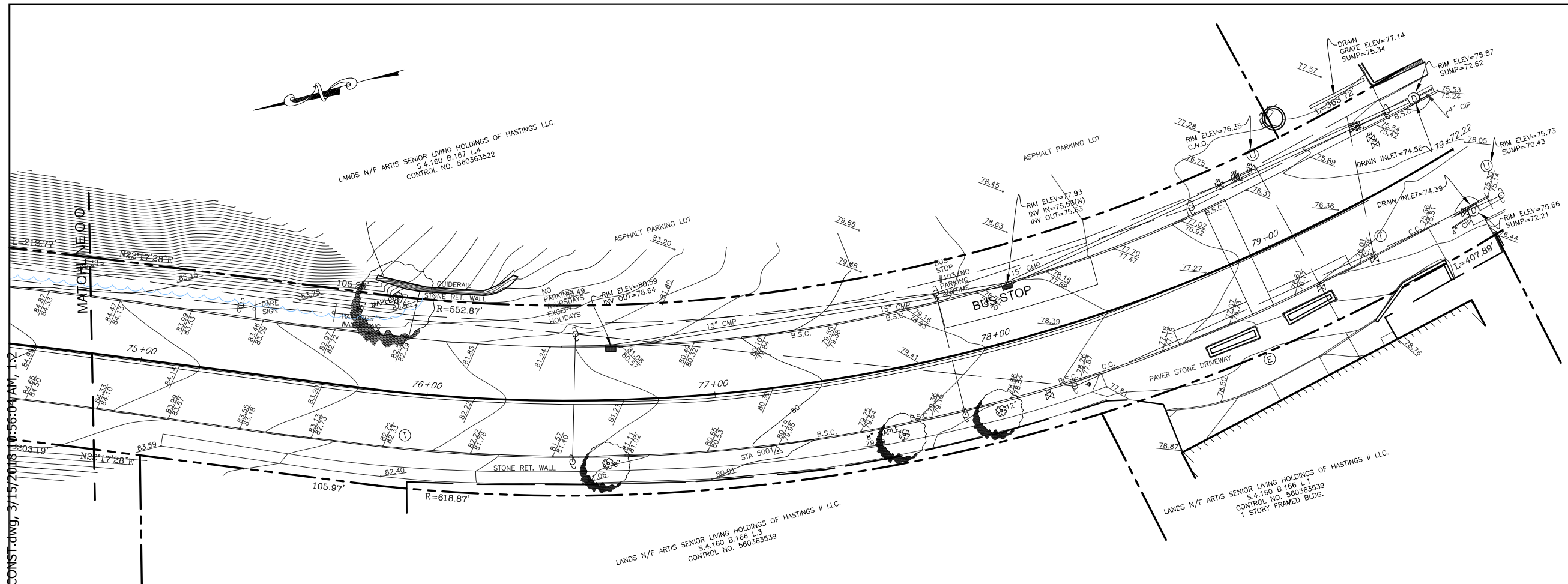
IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION			
AS BUILT - CHANGES AS NOTED			
AS BUILT - NO CHANGES			
CONTRACTOR		PROJECT COORDINATOR	
NAME		NAME	
SIGNATURE		SIGNATURE	
TITLE		TITLE	

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING	CONTRACT NUMBER 16-526	SHEET NUMBER 41
	SHEET NO. 41 OF 55	
	SCALE: 1" = 20'-0" DATE: 3/15/2018	
MISCELLANEOUS ROADWAY IMPROVEMENTS WARBURTON AVENUE (C.R. #751) VILLAGE OF HASTINGS ON HUDSON, NEW YORK	DPW FILE NO. XX-XX-X-XX-0	REV. NO.
GRADING AND DRAINAGE PLAN		

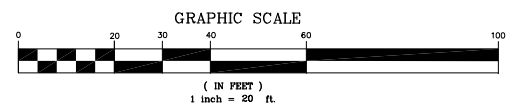
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EXISTING FEATURE	
	Unknown Manhole
	Sewer Manhole
	Drain Manhole
	Electric Manhole
	Telephone Manhole
	Guy Pole
	Utility Pole
	Catch Basin
	Light Pole
	Gas Valve
	Water Valve
	Water Meter
	Hydrant
	Sign
	Traffic Box
	Parking Meter

LEGEND

EXISTING TREE TO REMAIN



IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

REVISION	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION			
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CONTRACTOR		PROJECT COORDINATOR	
NAME _____	NAME _____	NAME _____	NAME _____
SIGNATURE _____	SIGNATURE _____	SIGNATURE _____	SIGNATURE _____
TITLE _____	TITLE _____	TITLE _____	TITLE _____

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

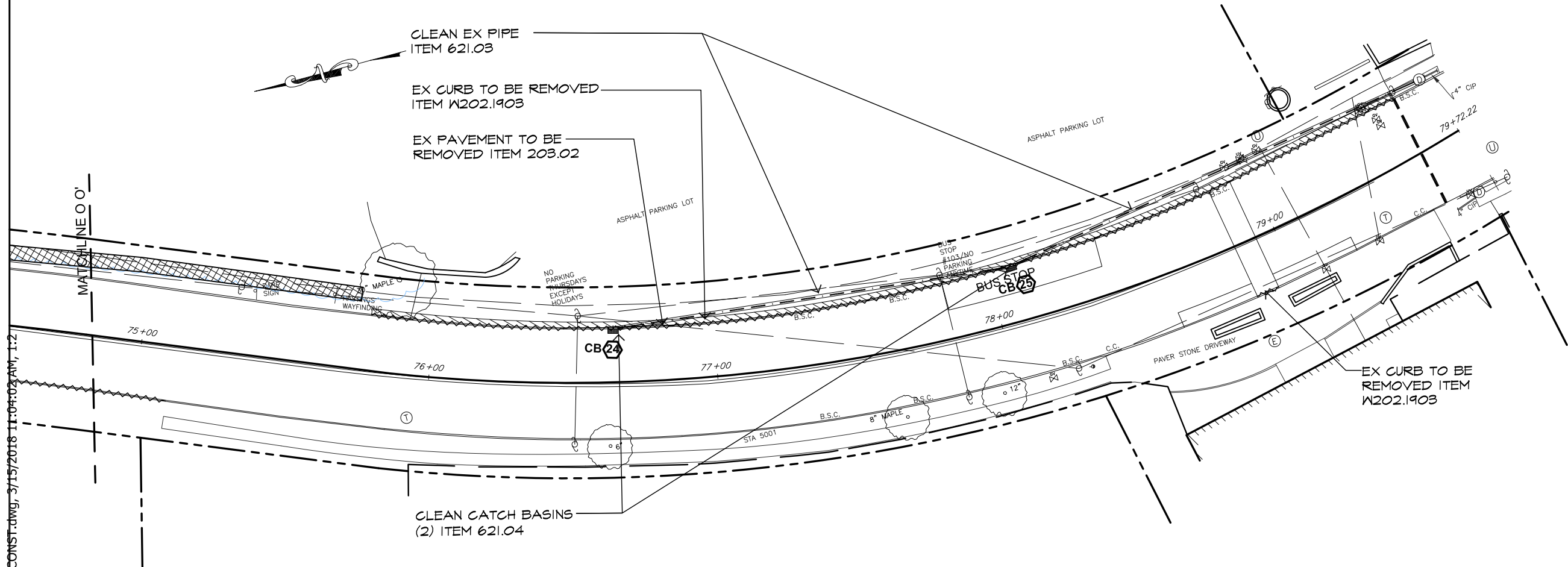
MISCELLANEOUS ROADWAY IMPROVEMENTS
WARBURTON AVENUE (C.R. #751)
VILLAGE OF HASTINGS ON HUDSON, NEW YORK

EXISTING CONDITIONS PLAN

AREA H

CONTRACT NUMBER 16-526	SHEET NUMBER 42
SHEET NO. 42 OF 55	
SCALE: 1" = 20'-0"	
DATE: 3/15/2018	
DPW FILE NO.	REV. NO.
XX-XX-X-XX-0	

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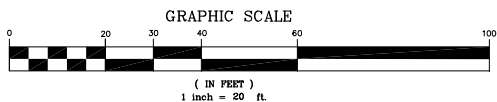


EXISTING FEATURE

- Unknown Manhole
- Sewer Manhole
- Drain Manhole
- Electric Manhole
- Telephone Manhole
- Guy Pole
- Utility Pole
- Catch Basin
- Light Pole
- Gas Valve
- Water Valve
- Water Meter
- Hydrant
- Sign
- Traffic Box
- Parking Meter

LEGEND

- EXISTING TREE TO REMAIN
- PAVEMENT LIMIT LINE & ASPHALT OVERLAY SPLICE (OUTER SAWCUT)
- EXISTING CURB, WALL, OR FENCE TO BE REMOVED COMPLETELY
- EXISTING PAVEMENT TO BE REMOVED COMPLETELY ITEM 203.02
- CLEAR & GRUB ITEM 201.06
- REMOVE/RESET EXISTING SITE FEATURE



IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

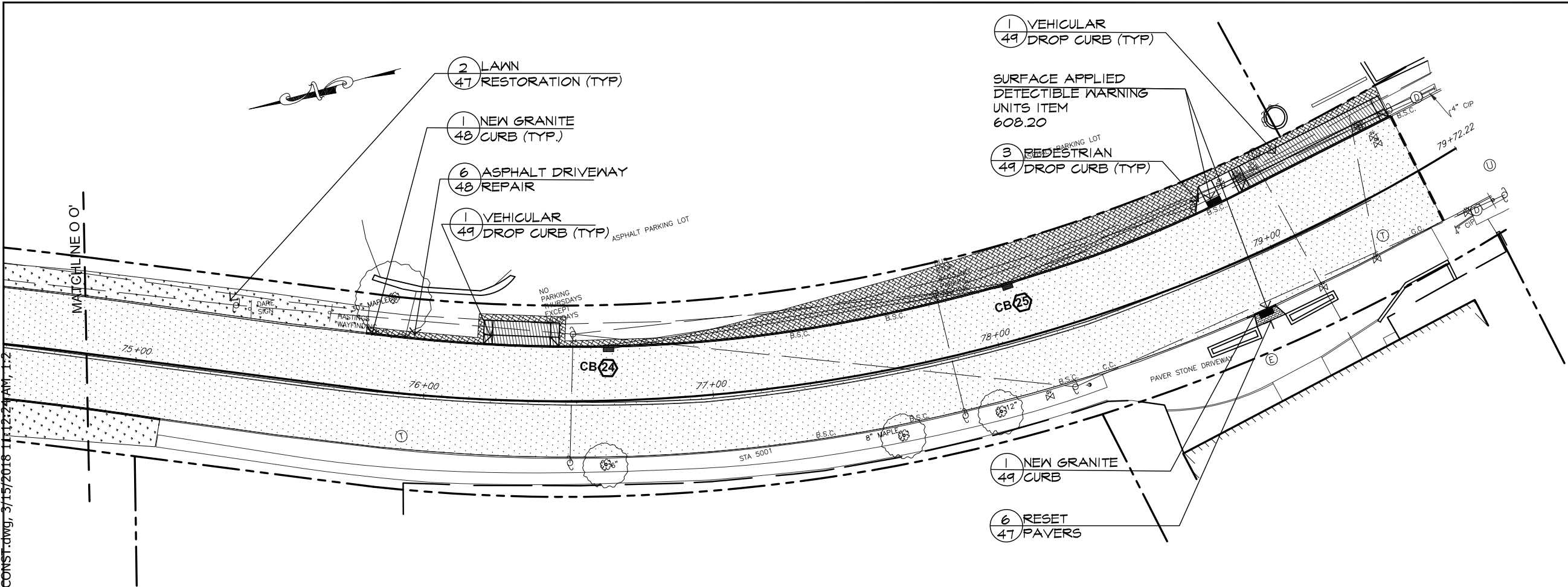
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CONTRACTOR		PROJECT COORDINATOR	
NAME _____	NAME _____	NAME _____	NAME _____
SIGNATURE _____	SIGNATURE _____	SIGNATURE _____	SIGNATURE _____
TITLE _____	TITLE _____	TITLE _____	TITLE _____

WESTCHESTER COUNTY, NEW YORK		CONTRACT NUMBER 16-526	SHEET NUMBER 43
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		SHEET NO. 43 OF 55	
DIVISION OF ENGINEERING		SCALE: 1" = 20'-0"	
MISCELLANEOUS ROADWAY IMPROVEMENTS		DATE: 3/15/2018	
WARBURTON AVENUE (C.R. #751)		DPW FILE NO.	REV. NO.
VILLAGE OF HASTINGS ON HUDSON, NEW YORK		XX-XX-X-XX-0	
SITE PREPARATION & REMOVALS PLAN			

AREA H

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EXISTING FEATURE

- Unknown Manhole
- Sewer Manhole
- Drain Manhole
- Electric Manhole
- Telephone Manhole
- Guy Pole
- Utility Pole
- Catch Basin
- Light Pole
- Gas Valve
- Water Valve
- Water Meter
- Hydrant
- Sign
- Traffic Box
- Parking Meter

LEGEND

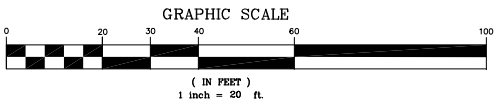
- EXISTING TREE TO REMAIN
- RESET/NEW GRANITE CURB
- VEHICULAR DROP CURB
- TRUNCATED COMES FOR PEDESTRIAN DROP CURB
- NEW ROOF LEADER CONNECTION
- CATCH BASIN (SEE CHART FOR WORK DESCRIPTION SHEET 12)
- SIGN
- ASPHALT - MILL & PAVE
- ASPHALT DRIVEWAY REPAIR
- LAWN RESTORATION
- 5" CONCRETE PAVEMENT
- 7" CONCRETE PAVEMENT

MATERIAL NOTES

- All new work shall meet existing conditions neatly and smoothly.
- All exposed finished surfaces shall be treated, cleaned, vacuumed or polished in accordance with the manufacturer's recommendations.
- All adjacent surfaces are to be protected from painting, asphaltting, installing concrete pavements or any other types of surface treatments that can cause stains or damage. Any stains or damages to adjacent surfaces shall be restored, repaired or replaced at the contractor's expense to the satisfaction of the construction administrator.
- The contractor shall exercise care during excavation to avoid disturbing any adjacent or underground existing utility lines. Any damage resulting from this construction shall be the contractor's responsibility and shall be restored to the satisfaction of the construction administrator.
- The plans show above-ground structures and/or utilities believed to exist within the project limits. The contractor is warned that the exact or even approximate location of pipeline, subsurface structures and/or utilities believed to exist in the project area are not warranted to be accurate.
- It is incumbent upon the contractor to verify/locate all utilities within the project area prior to commencing work. Unless separate payment is otherwise provided for in the contract, all costs associated with marking/locating underground utilities including, but not limited to hiring a utility tracing company, shall be deemed included in the various items of the contract. No Direct Payment.

LAYOUT NOTES

- Written dimensions shall prevail.
- All wood and metal dimensions are nominal unless otherwise specified.
- All angles are 90 degrees unless otherwise specified.
- All dimensions pertaining to layout of curbs and/or walls are from face of curb/wall unless otherwise specified.
- Locations of all existing trees shall be verified in the field.
- Changes shall not be made to the design or layout without prior approval of the Engineer.
- Any new paths, drives or roads shall be constructed to have smooth curves with indistinguishable tangents. It is the design intent to have long smooth sinuous 's' curves. All transitions between straight sections and curves shall be gentle and smooth.
- The Engineer and/or the construction administrator reserve the right to check any and all lines, grades and measurements of the work staked out by the contractor for their approval prior to allowing the contractor proceed with construction. The engineer and/or construction administrator reserve the right to make minor modifications to the design or layout of the work as needed.



IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

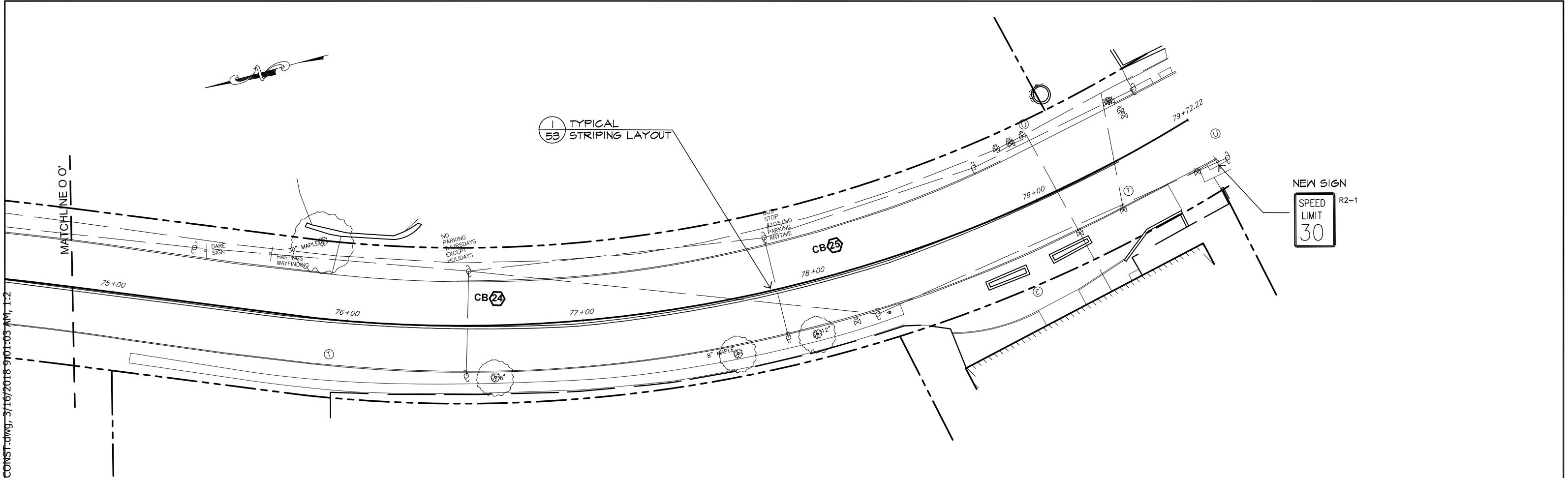
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CONTRACTOR		PROJECT COORDINATOR	
NAME		NAME	
SIGNATURE		SIGNATURE	
TITLE		TITLE	

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING	
MISCELLANEOUS ROADWAY IMPROVEMENTS WARBURTON AVENUE (C.R. #751) VILLAGE OF HASTINGS ON HUDSON, NEW YORK	
LAYOUT AND MATERIALS PLAN	

CONTRACT NUMBER 16-526	SHEET NUMBER 44
SHEET NO. 44 OF 55	
SCALE: 1" = 20'-0"	
DATE: 3/15/2018	REV. NO.
DPW FILE NO. XX-XX-X-XX-0	

AREA H

X:\HIGHWAYS\ROADS\Warburton Ave (CR 75-1)\Contracts\16-526 WarburtonAveResurfacing\drawing\warburtonCONST.dwg, 3/16/2018 9:01:03 AM, 1:2



- EXISTING FEATURE
- Unknown Manhole
 - Sewer Manhole
 - Drain Manhole
 - Electric Manhole
 - Telephone Manhole
 - Guy Pole
 - Utility Pole
 - Catch Basin
 - Light Pole
 - Gas Valve
 - Water Valve
 - Water Meter
 - Hydrant
 - Sign
 - Traffic Box
 - Parking Meter

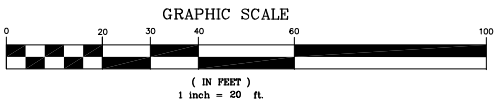
- LEGEND
- EXISTING TREE TO REMAIN

SIGNAGE NOTES

1) See signage text legend on Signage and Parking Layout Details

2) Refer to detail number 1-54 for post replacement

3) For signs mounted to existing posts not to be replaced, use metal straps for attachment. Cost included under item 645.5101



IN CHARGE OF A. VENTAROLA

CHECKED BY S. LOPANE

MADE BY K. SITZMAN

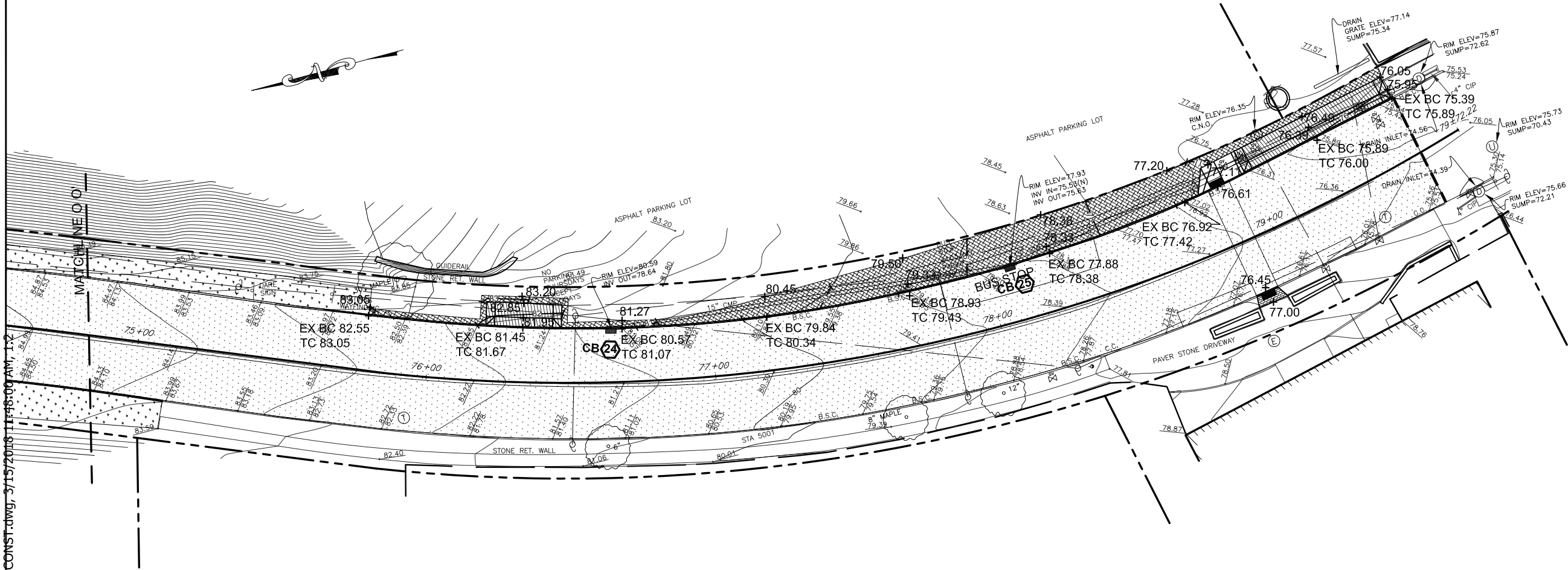
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

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CONTRACTOR		PROJECT COORDINATOR	
NAME _____	NAME _____	NAME _____	NAME _____
SIGNATURE _____	SIGNATURE _____	SIGNATURE _____	SIGNATURE _____
TITLE _____	TITLE _____	TITLE _____	TITLE _____

WESTCHESTER COUNTY, NEW YORK		CONTRACT NUMBER 16-526	SHEET NUMBER 45
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		SHEET NO. 45 OF 55	
DIVISION OF ENGINEERING		SCALE: 1" = 20'-0"	
MISCELLANEOUS ROADWAY IMPROVEMENTS		DATE: 3/15/2018	
WARBURTON AVENUE (C.R. #751)		DPW FILE NO.	REV. NO.
VILLAGE OF HASTINGS ON HUDSON, NEW YORK		XX-XX-X-XX-0	
SIGNAGE AND STRIPING PLAN			

AREA H

X:\HIGHWAYS\ROADS\Warburton Ave (CR 75-1)\Contracts\16-526 Warburton Ave Resurfacing\drawing\warburtonCONST.dwg, 3/15/2018 11:48:00 AM, 1:2



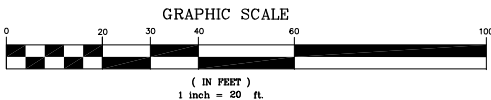
EXISTING FEATURE

- Unknown Manhole
- Sewer Manhole
- Drain Manhole
- Electric Manhole
- Telephone Manhole
- Guy Pole
- Utility Pole
- Catch Basin
- Light Pole
- Gas Valve
- Water Valve
- Water Meter
- Hydrant
- Sign
- Traffic Box
- Parking Meter

LEGEND

- EXISTING TREE TO REMAIN
- RESET/NEW GRANITE CURB
- VEHICULAR DROP CURB
- TRUNCATED COMES FOR PEDESTRIAN DROP CURB
- NEW ROOF LEADER CONNECTION
- CATCH BASIN (SEE CHART FOR WORK DESCRIPTION SHEET 12)
- PROPOSED CONTOURS
- PROPOSED SPOT ELEVATION

- ASPHALT - MILL & PAVE
- ASPHALT DRIVEWAY REPAIR
- LAWN RESTORATION
- 5" CONCRETE PAVEMENT
- 7" CONCRETE PAVEMENT



IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION			
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<input type="checkbox"/> AS BUILT - NO CHANGES			
CONTRACTOR		PROJECT COORDINATOR	
NAME		NAME	
SIGNATURE		SIGNATURE	
TITLE		TITLE	

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING	
MISCELLANEOUS ROADWAY IMPROVEMENTS WARBURTON AVENUE (C.R. #751) VILLAGE OF HASTINGS ON HUDSON, NEW YORK	
GRADING AND DRAINAGE PLAN	

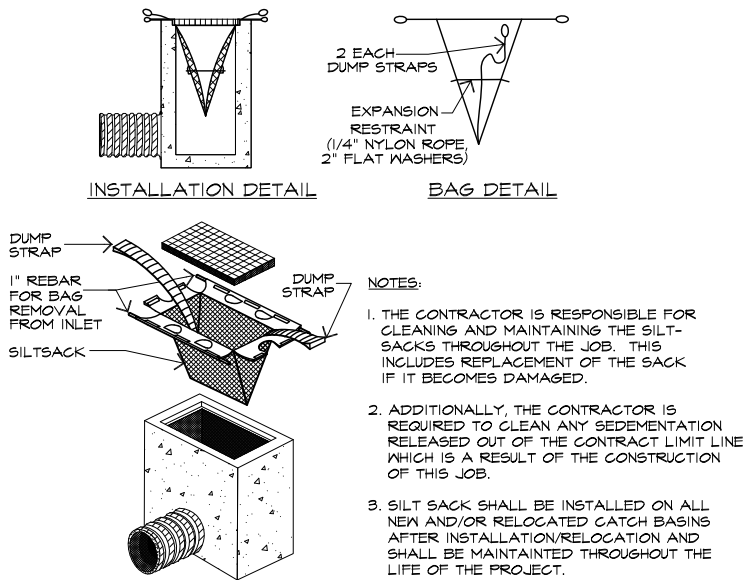
CONTRACT NUMBER 16-526	SHEET NUMBER 46 OF 55
SCALE: 1" = 20'-0"	
DATE: 3/15/2018	REV. NO.
DPW FILE NO. XX-XX-X-XX-0	

GRADING AND UTILITY NOTES

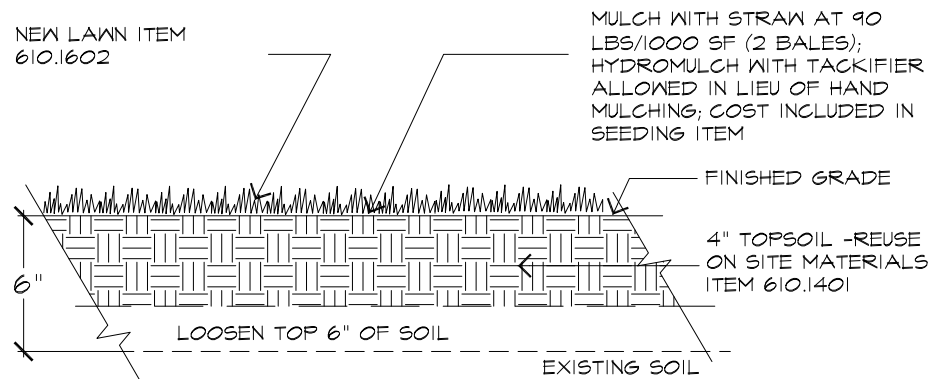
- The locations of all utilities are diagrammatic. Where new utilities are to cross or connect to existing utilities, the contractor shall make preliminary investigations including but not limited to all necessary excavation to determine if the work can be completed as shown. Any changes required by field conditions shall be approved by the construction administrator prior to commencement of work.
- All pavement shall be installed to smooth even grade with no patching or irregularities. New pavement shall meet existing pavement flush and evenly.
- All finished surfaces shall be true to grade and even, free of roller marks and free of low spots where water will puddle. The contractor shall perform a water test on the finished surfaces by applying sufficient water on all new surfaces to test the drainage patterns, as directed by the construction administrator.
- The contractor shall prevent against low spots where water can collect, as well as any possible re-direction of runoff onto private property and shall take whatever corrective measures are necessary. The contractor shall be responsible to correct any deleterious water ponding areas at no expense to the County.
- Location of catch basins, drop inlets, surface drains, manholes and dry wells (where shown in plans) are diagrammatic only. The construction administrator may direct the contractor to shift the location of a drainage structure or adjust grading to provide positive drainage or to avoid significant tree roots.
- The contractor shall keep all roadways and access drives used for hauling of materials and equipment free from soil and debris. The contractor shall be responsible for any damage and/or spills caused by his operations and shall be required to make repairs and/or cleanup debris including but not limited to street sweeping at no expense to the County.
- Minimum cover of pipes shall be 2'-0" from finished grade to top of pipe, except where noted otherwise.
- All drainage pipes shall be pitched at 1% minimum except where noted otherwise.
- There shall be no discharge of runoff or other effluent over or through any bulkhead or shoreline stabilization structure or into any tidal wetland, stream or adjacent area.

AREA H

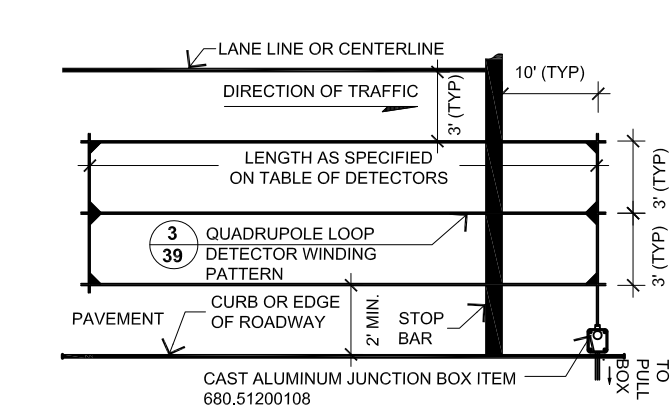
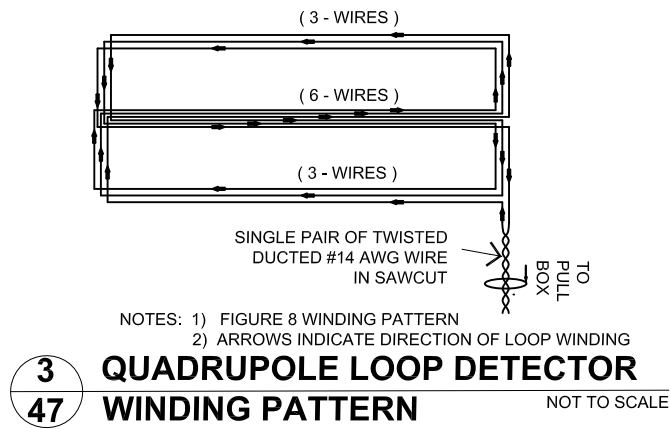
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1
47 SEDIMENT FILTER BAG
ITEM W209.1703 NOT TO SCALE

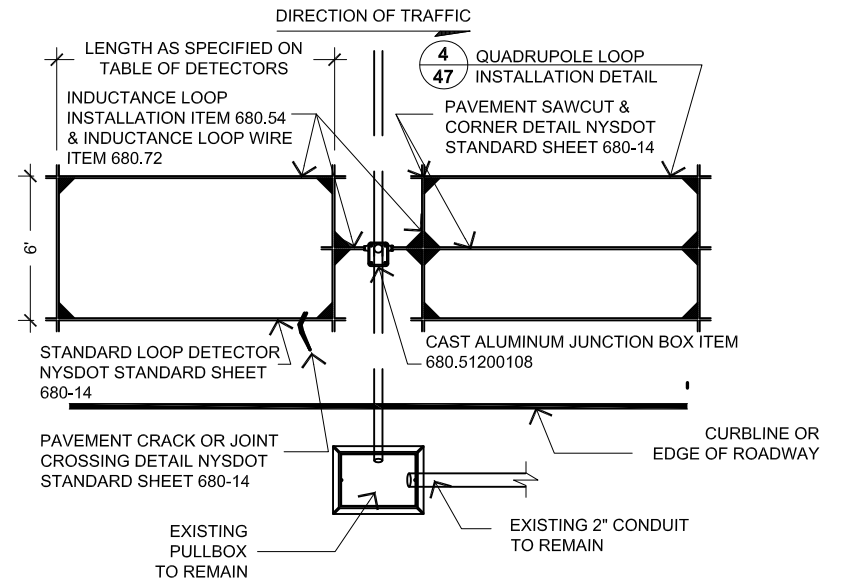


2
47 LAWN RESTORATION
NOT TO SCALE

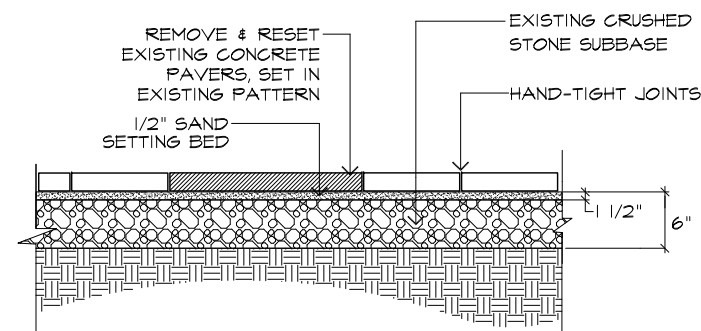


4
47 QUADRUPOLE LOOP
INSTALLATION DETAILS
SCALE $\frac{1}{4}$ " = 1'-0"

TABLE OF DETECTORS					
SIGNAL NO.	DETECTOR NO.	TYPE	MODE	SIZE	NO OF TURNS
30	3A, 13A	QUAD	PRESENCE	2 - 3' X 20'	3-6-3
30	3B, 13B	LOOP	PRESENCE	6' X 30'	3
48	3-6A	QUAD	PRESENCE	2- 3' X 40'	3-6-3



5
47 VEHICLE DETECTOR INSTALLATION
(DUAL PRESENCE LOOPS)
SCALE $\frac{1}{4}$ " = 1'-0"



6
47 REMOVE & RESET CONCRETE
PAVERS (ITEM #W608.41)
SCALE 1"=1'-0"

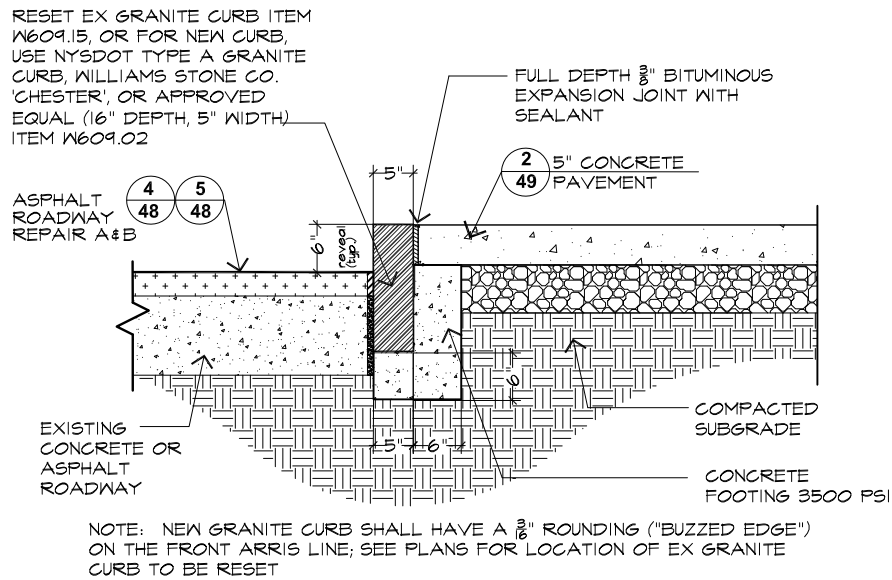
IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION			
<input type="checkbox"/> AS BUILT - CHANGES AS NOTED <input type="checkbox"/> AS BUILT - NO CHANGES			
CONTRACTOR		PROJECT COORDINATOR	
NAME		NAME	
SIGNATURE		SIGNATURE	
TITLE		TITLE	

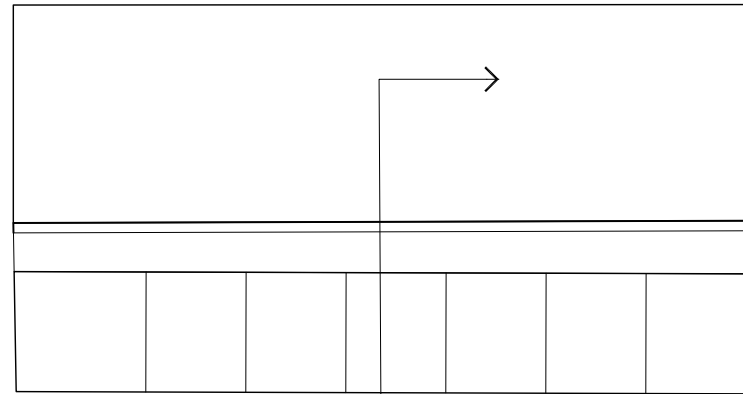
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING MISCELLANEOUS ROADWAY IMPROVEMENTS WARBURTON AVENUE (C.R. #751) VILLAGE OF HASTINGS ON HUDSON, NEW YORK SITE PREPARATION & RESTORATION DETAILS	CONTRACT NUMBER 16-526	SHEET NUMBER 47
	SHEET NO. 47 OF 55	
	SCALE: AS SHOWN DATE: 3/15/2018	
	DPW FILE NO. XX-XX-X-XX-0	REV. NO.

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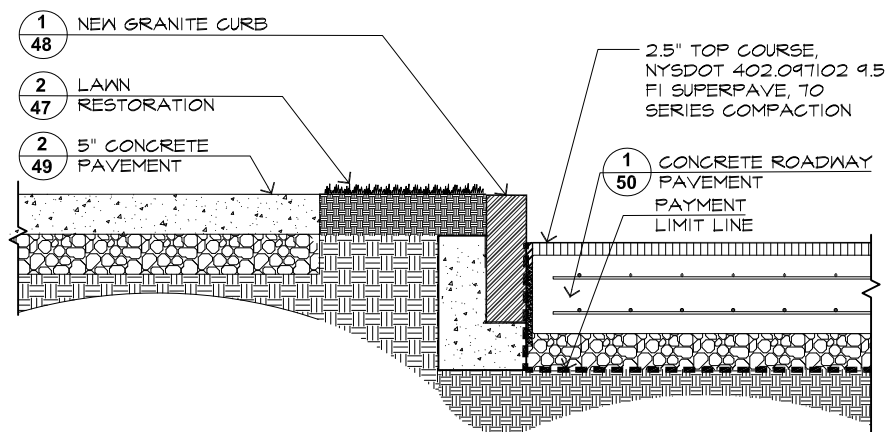
1
48 RESET/NEW GRANITE CURB
(W609.15/W609.02)

SCALE 1"=1'-0"



PLAN

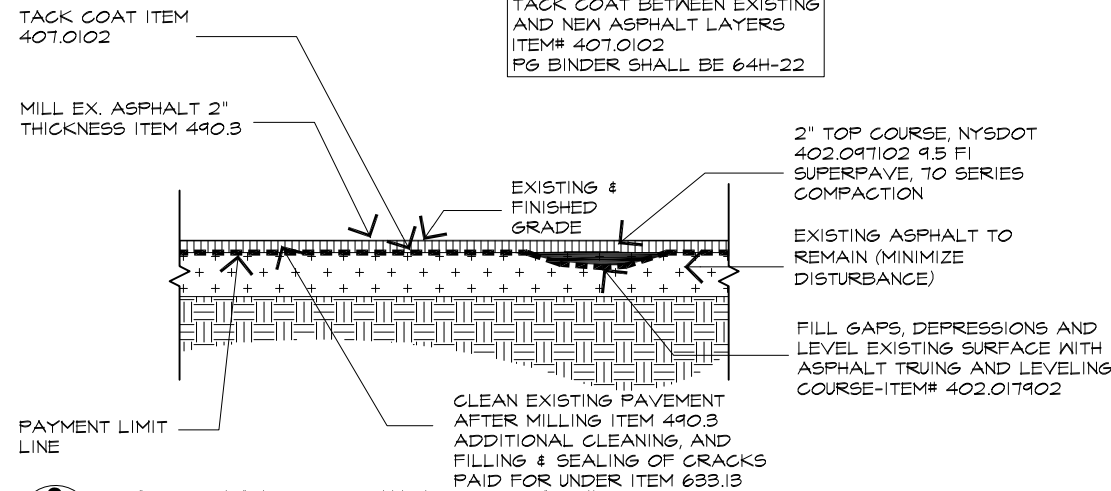
SCALE 1" = 1'



SECTION

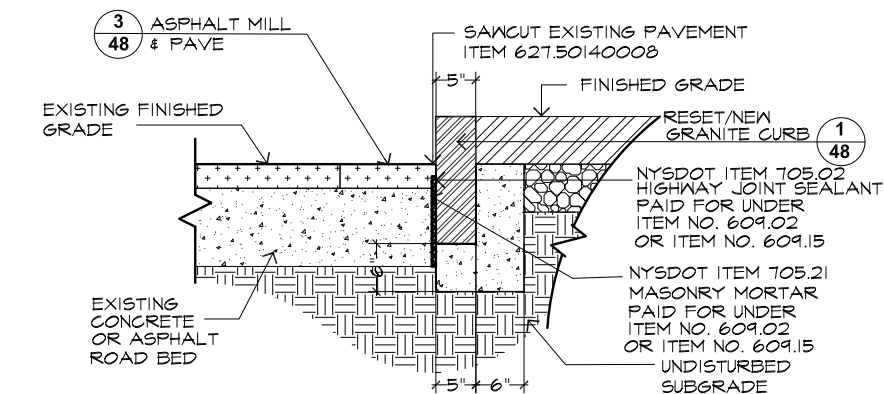
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2
48 NEW ASPHALT ROADWAY



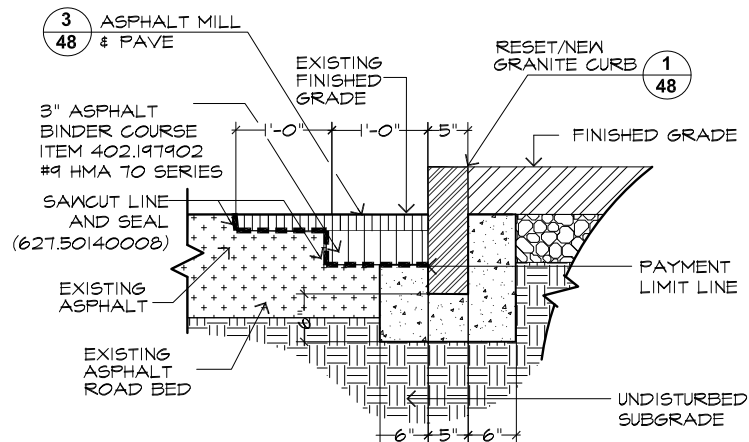
3
48 ASPHALT - MILL & PAVE
(SHOWN ON LAYOUT PLAN IN DOT HATCH PATTERN)

SCALE 1"=1'-0"



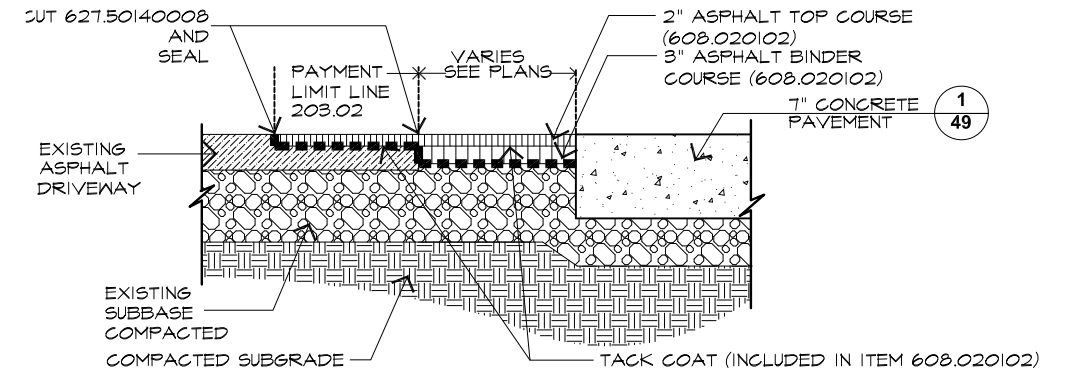
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48 ASPHALT ROADWAY REPAIR 'A'
WARBURTON AVENUE (COUNTY ROAD)

SCALE 1"=1'-0"



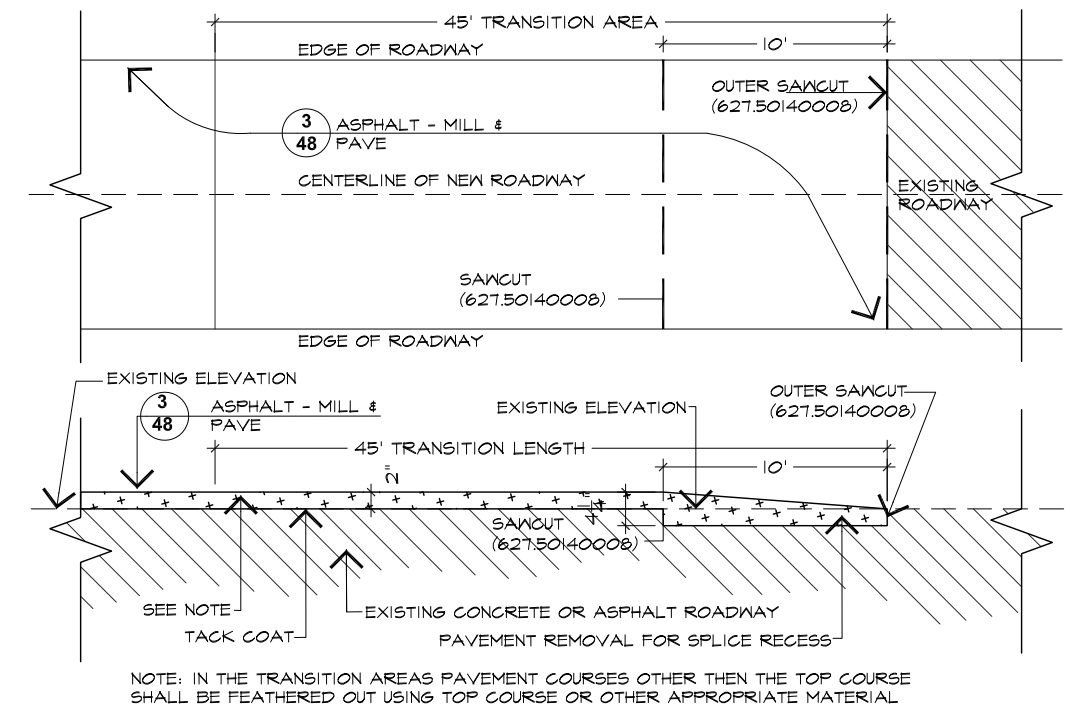
5
48 ASPHALT ROADWAY REPAIR 'B'
SIDE STREETS (VILLAGE ROADS)

SCALE 1"=1'-0"



6
48 ASPHALT DRIVEWAY REPAIR

SCALE 1 1/2"=1'-0"



7
48 ASPHALT OVERLAY SPLICE

NOT TO SCALE

IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

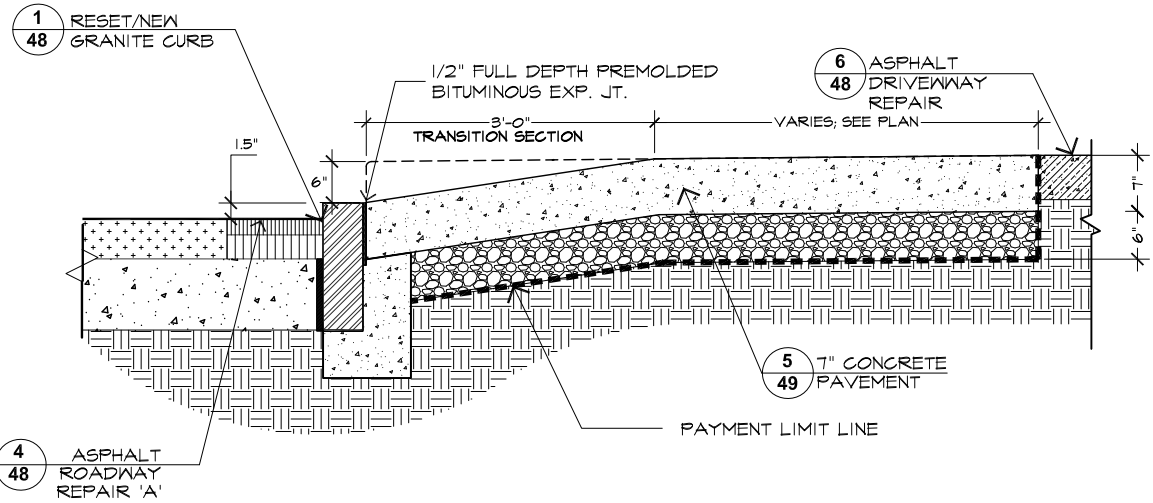
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CONTRACTOR		PROJECT COORDINATOR	
NAME		NAME	
SIGNATURE		SIGNATURE	
TITLE		TITLE	
	DATE		DATE

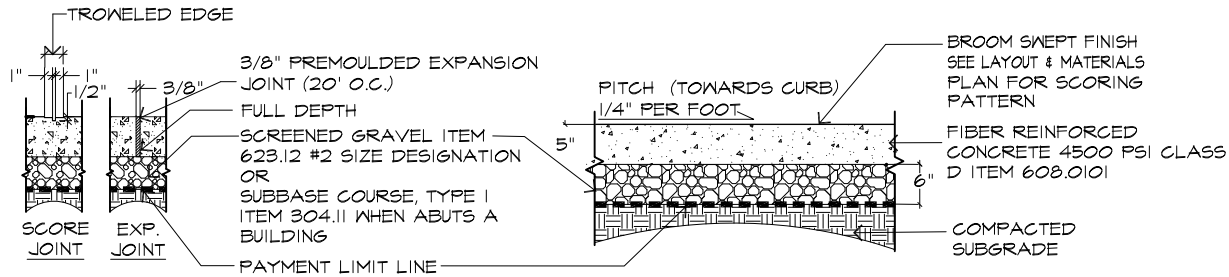
WESTCHESTER COUNTY, NEW YORK	
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION	
DIVISION OF ENGINEERING	
MISCELLANEOUS ROADWAY IMPROVEMENTS	
WARBURTON AVENUE (C.R. #751)	
VILLAGE OF HASTINGS ON HUDSON, NEW YORK	
ASPHALT PAVEMENT DETAILS	

CONTRACT NUMBER	SHEET NUMBER
16-526	48
SHEET NO. 48 OF 55	
SCALE: AS SHOWN	
DATE: 3/15/2018	
DPW FILE NO.	REV. NO.
XX-XX-X-XX-0	

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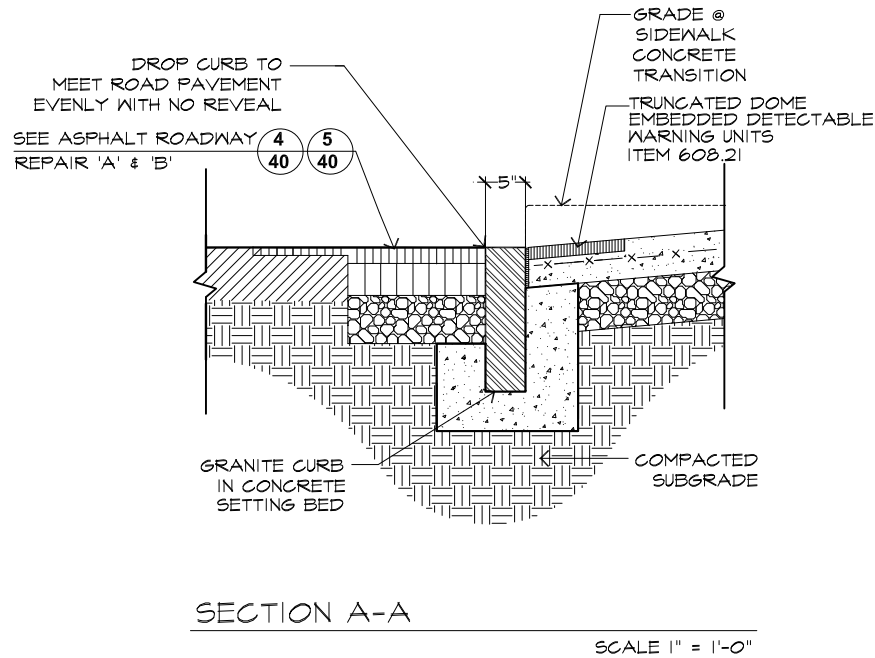


1 VEHICULAR DROP CURB
49



NOTE: THE COST OF EXCAVATION SHALL BE PAID FOR UNDER UNCLASSIFIED EXCAVATION AND DISPOSAL ITEM 203.02

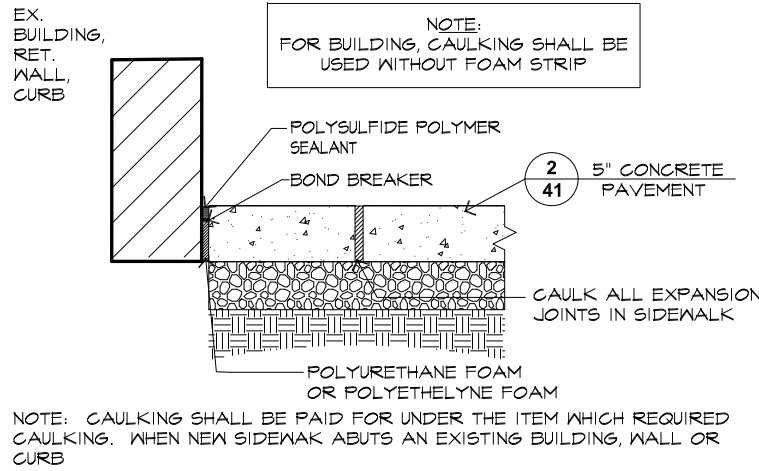
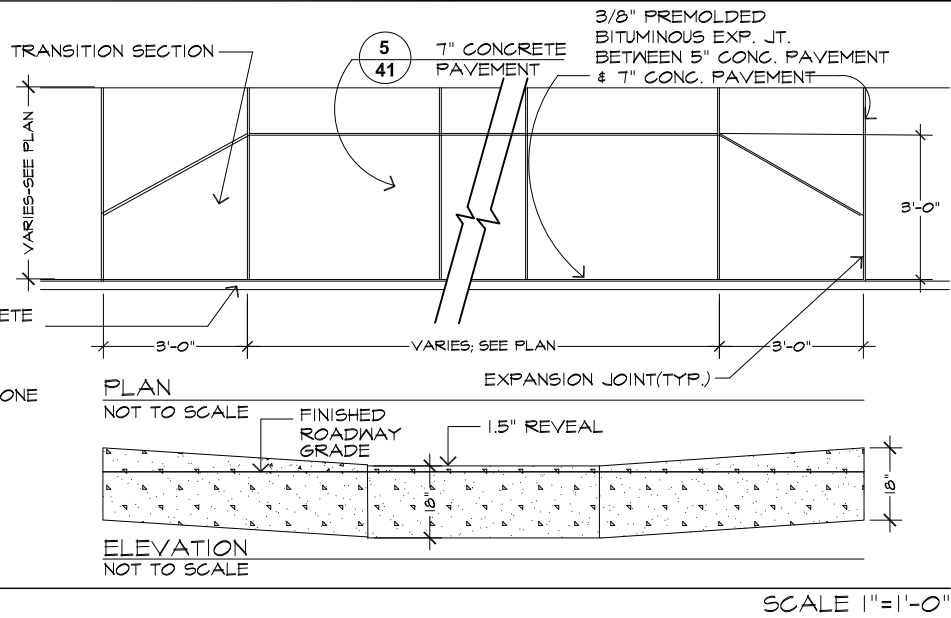
2 5" CONCRETE PAVEMENT
49



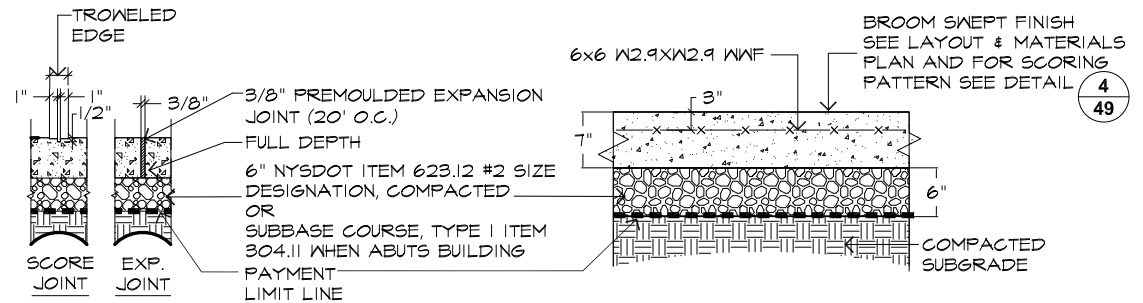
3 PEDESTRIAN DROP CURB
49

IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

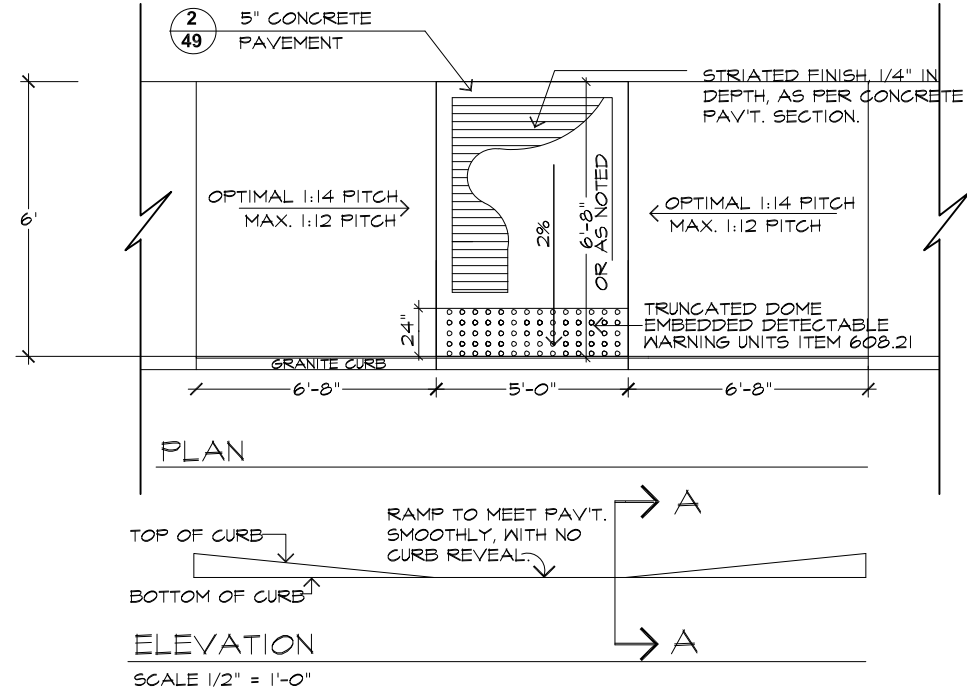
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION



4 EXPANSION JOINT & CAULKING
49



5 7" DRIVEWAY PAVEMENT
49

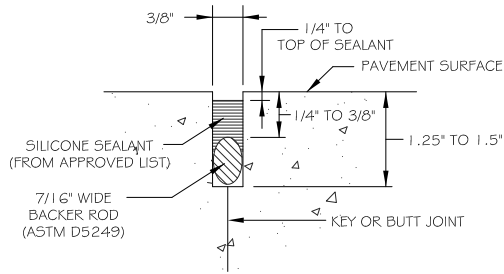


NOTE: REFER TO LAYOUT AND MATERIALS PLANS FOR TYPE OF DROP CURB

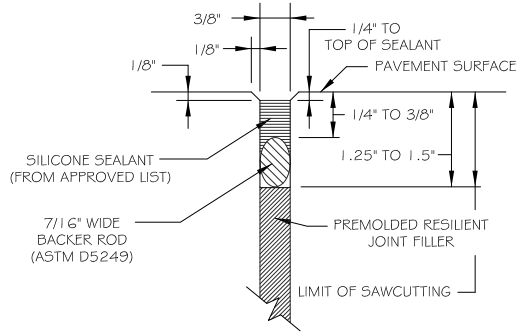
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AS BUILT - CHANGES AS NOTED AS BUILT - NO CHANGES			
CONTRACTOR		PROJECT COORDINATOR	
NAME		NAME	
SIGNATURE		SIGNATURE	
TITLE		TITLE	
DATE		DATE	

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING		CONTRACT NUMBER 16-526	SHEET NUMBER 49
MISCELLANEOUS ROADWAY IMPROVEMENTS WARBURTON AVENUE (C.R. #751) VILLAGE OF HASTINGS ON HUDSON, NEW YORK		SHEET NO. 49 OF 55 SCALE: AS SHOWN DATE: 11/1/2018	
CONCRETE PAVEMENT DETAILS		DPW FILE NO. XX-XX-X-XX-0	REV. NO.

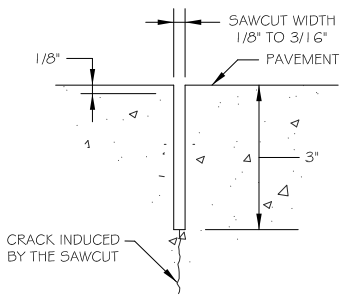
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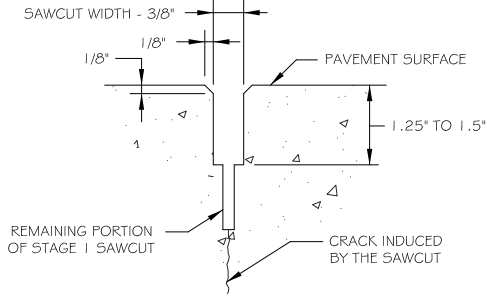
TYPICAL LONGITUDINAL JOINT



TYPICAL EXPANSION JOINT

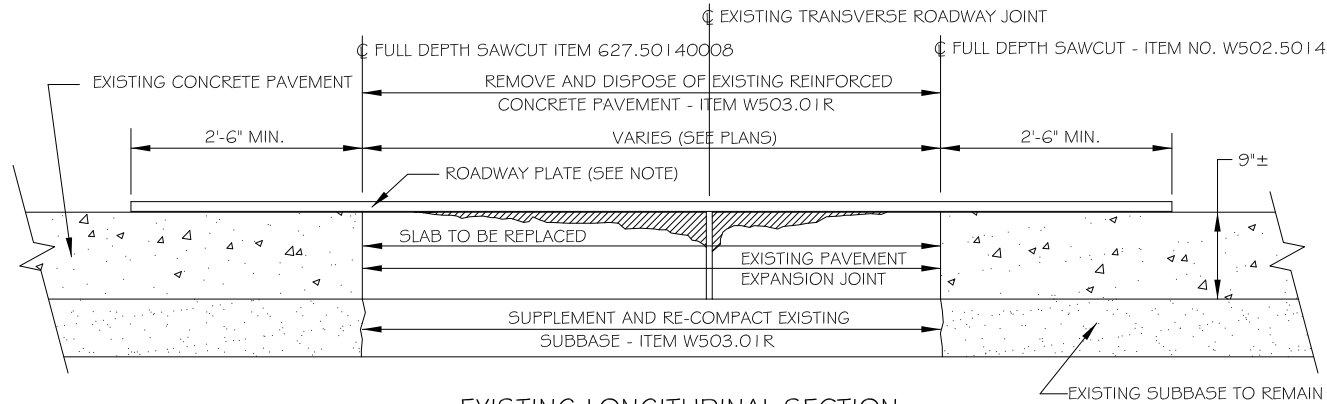


STAGE 1 SAWCUT



STAGE 2 SAWCUT

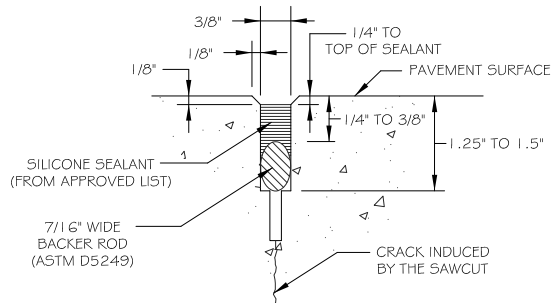
TWO STAGE SAWCUT
FOR TRANSVERSE CONTRACTION JOINTS



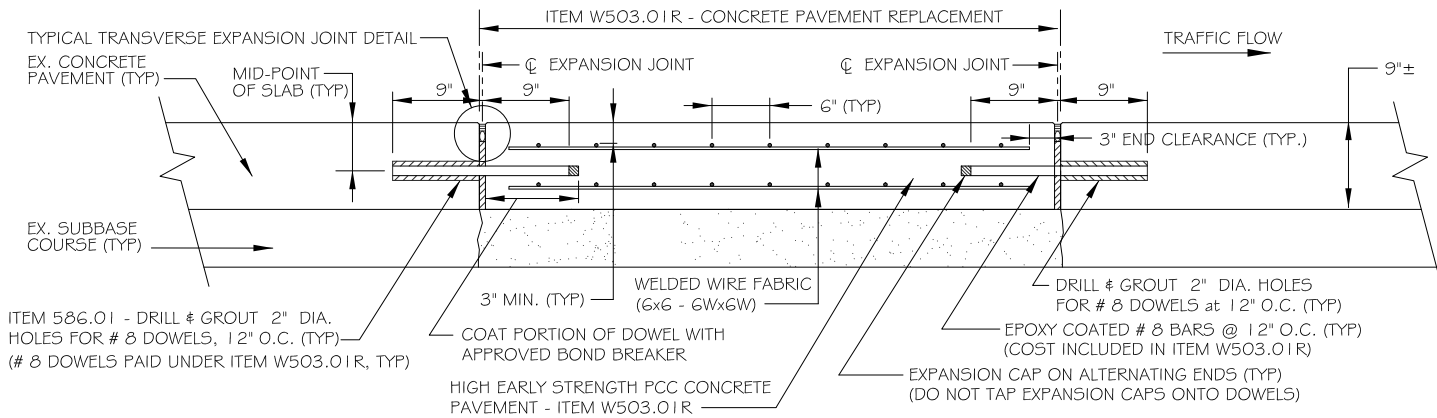
EXISTING LONGITUDINAL SECTION

NOTE:

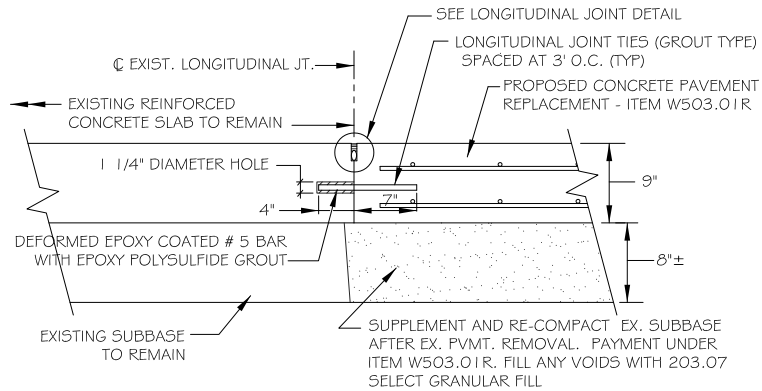
ROADWAY PLATES SHALL BE 1" THICK AND BE A36 (OR HIGHER STRENGTH) STEEL. EACH PLATE SHALL BE 8' LONG BY 10' WIDE MINIMUM. WHEN NEEDED EACH PLATE IS TO BE TIED DOWN TO THE ROADWAY BY THE USE OF RECESSED EXPANSION ANCHORS OR OTHER ACCEPTABLE METHODS AT THE FOUR CORNERS (MINIMUM). ANY HOLES MADE IN THE PAVEMENT SHALL BE FILLED WITH NON-SHRINK GROUT. PAYMENT FOR FURNISHING, PLACING AND MOVING ROADWAY PLATES; ANCHORS; DRILLING AND GROUTING ANCHOR HOLES; AND ALL INCIDENTALS SHALL BE PAID FOR UNDER ITEM 619.01.



TYPICAL CONTRACTION JOINT



PROPOSED LONGITUDINAL SECTION



TYPICAL LONGITUDINAL JOINT
(NEW TO EXISTING PAVEMENT)

1
50

CONCRETE ROADWAY PAVEMENT (ITEM W503.01R)

(SEE NYSDOT STANDARD SHEETS FOR ADDITIONAL DETAILS ON LONGITUDINAL AND TRANSVERSE TIES)

NOT TO SCALE

IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

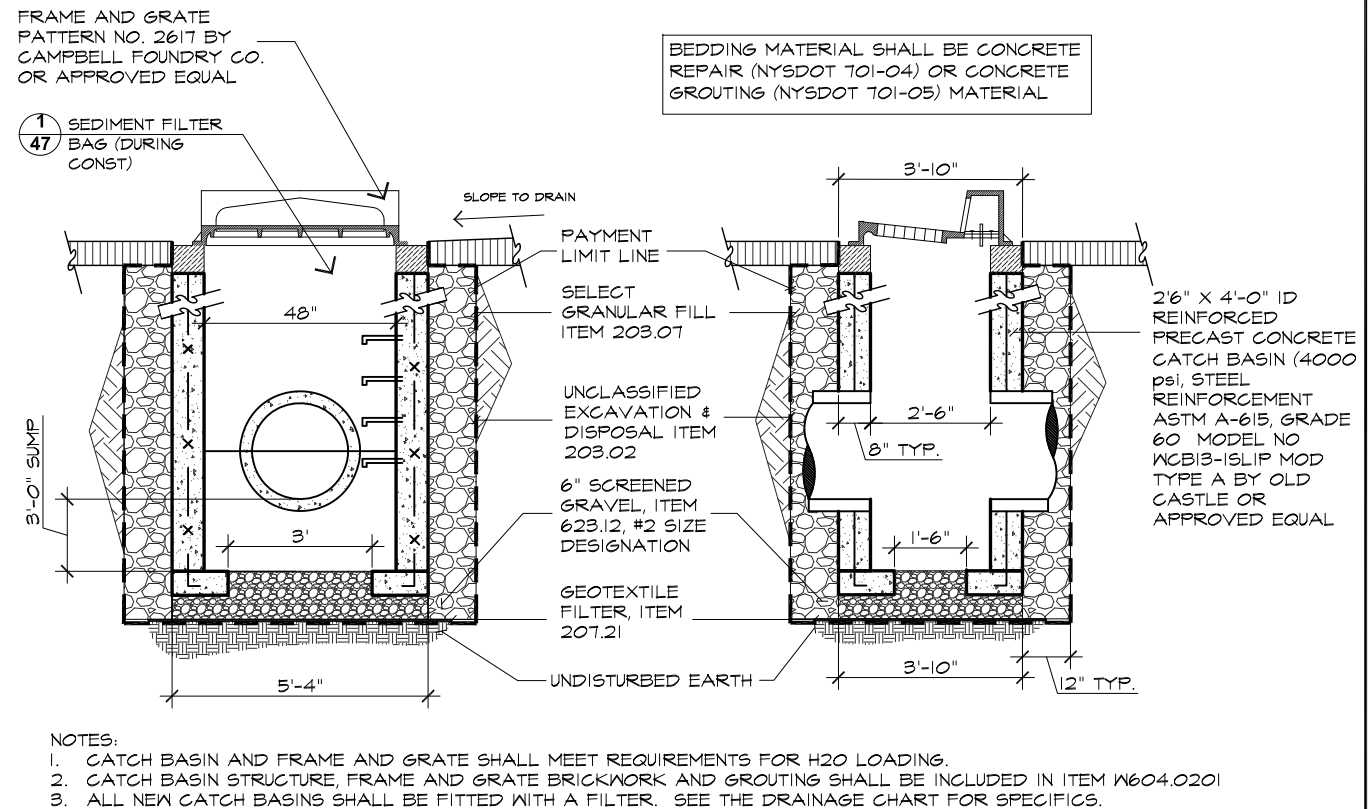
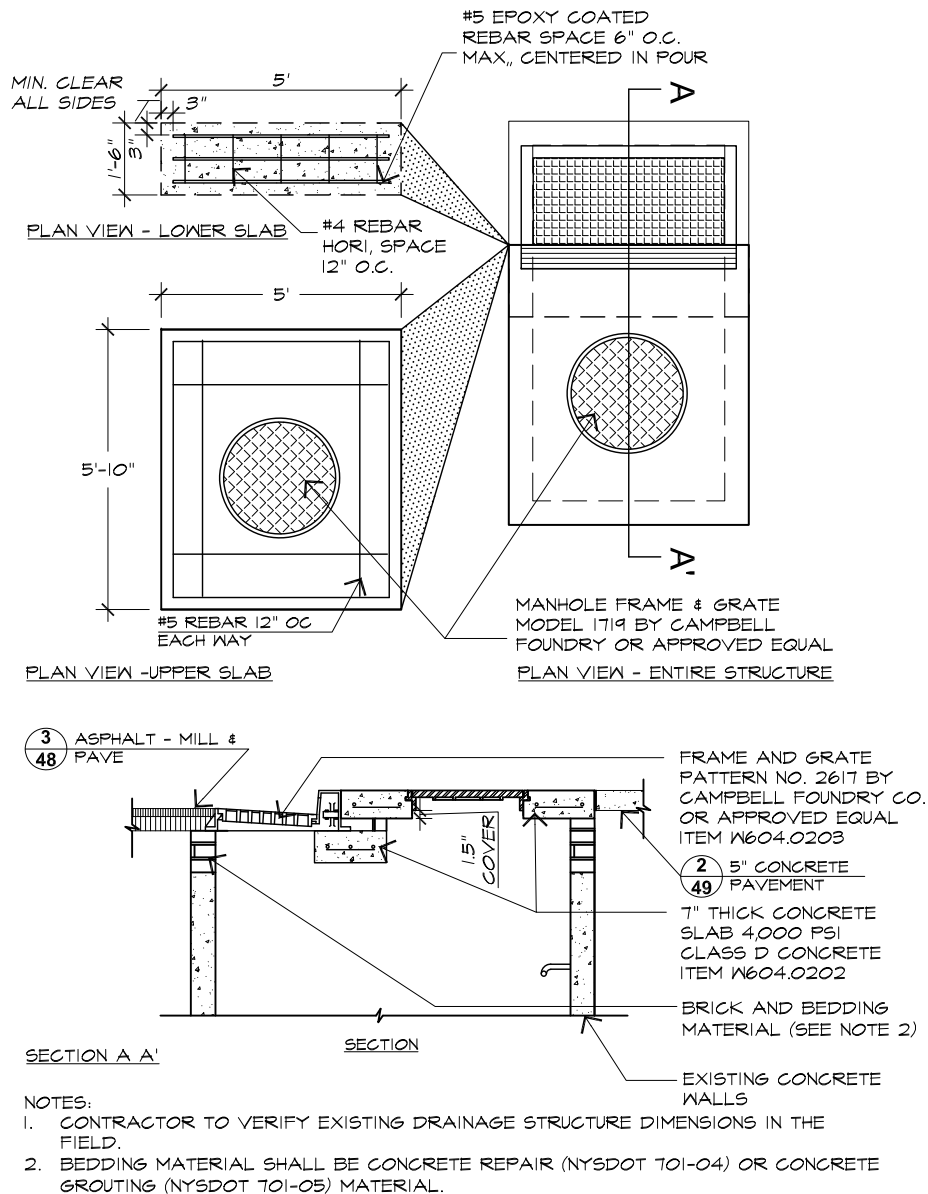
REVISION	DATE	MADE BY	APP'D BY	REVISION

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CONTRACTOR		PROJECT COORDINATOR	
NAME		NAME	
SIGNATURE		SIGNATURE	
TITLE		TITLE	

WESTCHESTER COUNTY, NEW YORK		CONTRACT NUMBER	SHEET NUMBER
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		16-526	50
DIVISION OF ENGINEERING		SHEET NO. 50 OF 55	
MISCELLANEOUS ROADWAY IMPROVEMENTS		SCALE: AS SHOWN	
WARBURTON AVENUE (C.R. #75I)		DATE: 3/14/2018	
VILLAGE OF HASTINGS ON HUDSON, NEW YORK		DPW FILE NO.	REV. NO.
CONCRETE REPAIR DETAILS		XX-XX-X-XX-0	

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Existing Drain Inlet Drainage Chart						
	Cleaning (Item 621.04)	Work	Filter	Size of Frame	Size of Grate	Comments
CB #1	Yes	Replace Grate with Bicycle Safe Grate (Item W604.0203)		31 1/2" x 19 1/2"	18" x 30"	Model #
CB #2	Yes	Protect & Preserve		49 1/2" x 24"	47 1/2" x 22"	
CB #3	Yes	Protect & Preserve				
CB #4	Yes	Protect & Preserve				
CB #5	Yes	Protect & Preserve				
CB #6	Yes	Protect & Preserve				
CB #7	Yes	Protect & Preserve				
CB #8	Yes	Manhole Slab Replacement (Item W604.0202); Alter Drainage Structure - Replace Grate Item W604.0203		Manhole Model # 1719; Catch Basin Frame, Grate and Curb Piece Model #2617		
CB #9	Furnish and Install Replacement Drain Inlet with Frame, Grate and Curb Piece (Item W604.0201)					Catch Basin Frame, Grate and Curb Piece Model # 2617
CB #10	Yes	Protect & Preserve				
CB #11	Yes	Protect & Preserve				
CB #12	Yes	Protect & Preserve				
CB #13	Yes	Preserve & Protect				
CB #14	Yes	Preserve & Protect				Basin filled with debris
CB #15	Yes	Preserve & Protect				
CB #16	Yes	Preserve & Protect				
CB #17	Yes	Preserve & Protect				
CB #18	Yes	Preserve & Protect				
CB #19	Yes	Preserve & Protect				
CB #20	Yes	Preserve & Protect				
CB #21	Yes	Preserve & Protect				
CB #22	Yes	Preserve & Protect				
CB #23	Yes	Preserve & Protect				
CB #24	Yes	Replace Grate with Bicycle Safe Grate (Item W604.0203)				Model # 2617
CB #25	Yes	Replace Grate with Bicycle Safe Grate (Item W604.0203)				Model # 2617
Notes: All drain inlets to be cleaned. Model numbers refer to Campbell Foundry, or approved equal. New Catch Basins Chart on Sheet 26						



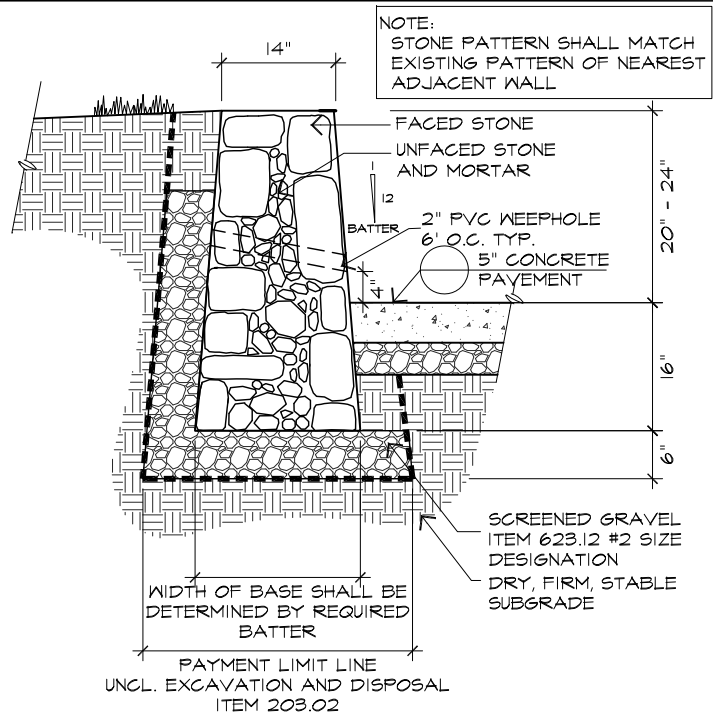
IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

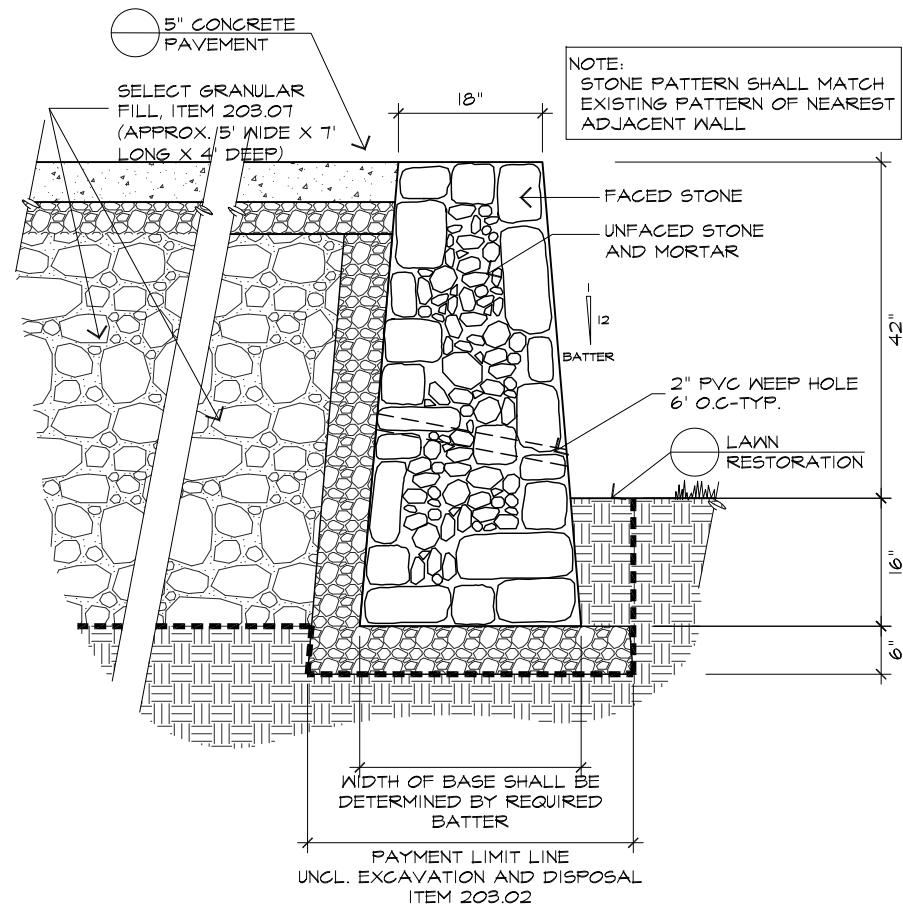
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AS BUILT - CHANGES AS NOTED			
AS BUILT - NO CHANGES			
CONTRACTOR		PROJECT COORDINATOR	
NAME		NAME	
SIGNATURE		SIGNATURE	
TITLE		TITLE	
DATE		DATE	

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING		CONTRACT NUMBER 16-526	SHEET NUMBER 51
MISCELLANEOUS ROADWAY IMPROVEMENTS WARBURTON AVENUE (C.R. #751) VILLAGE OF HASTINGS ON HUDSON, NEW YORK		SHEET NO. 51 OF 55 SCALE: AS SHOWN DATE: 3/15/2018	
DRAINAGE DETAILS		DPW FILE NO. XX-XX-X-XX-0	REV. NO.

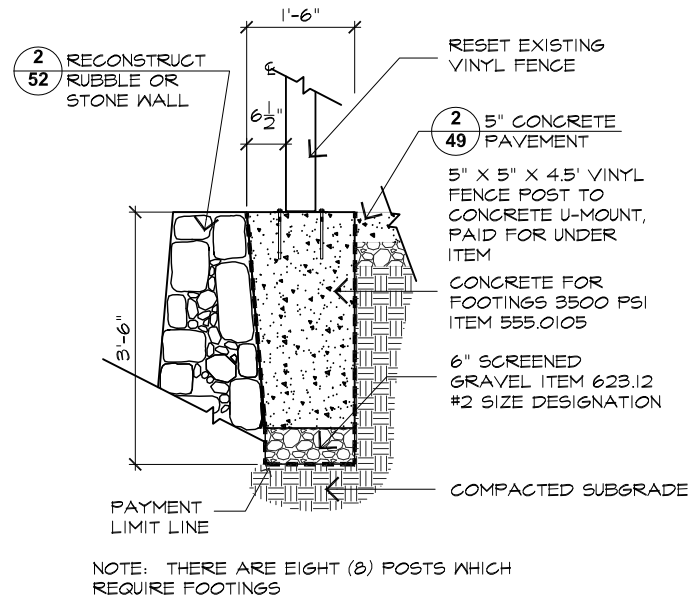
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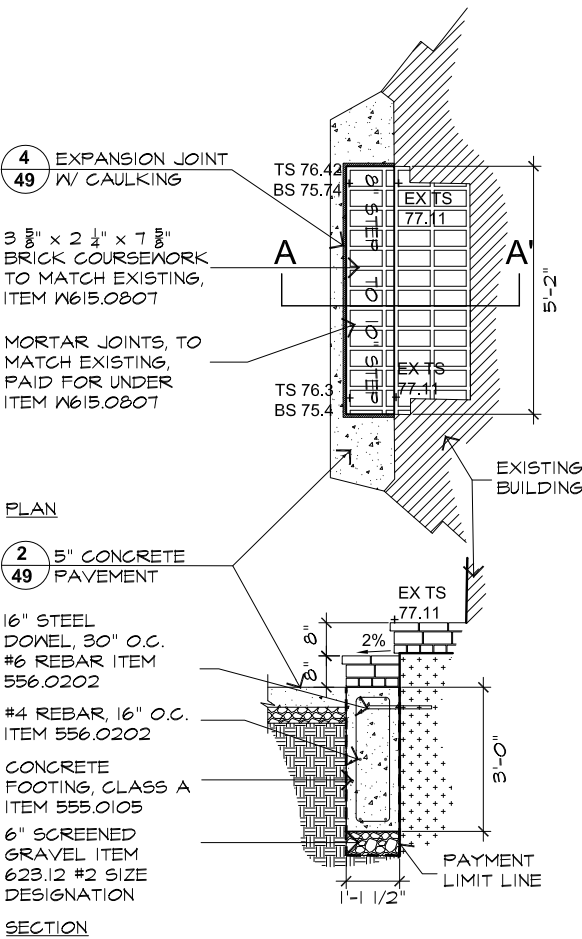
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52 NEW RUBBLE STONE WALL
(ITEM W560.0401) SCALE 1"=1'-0"



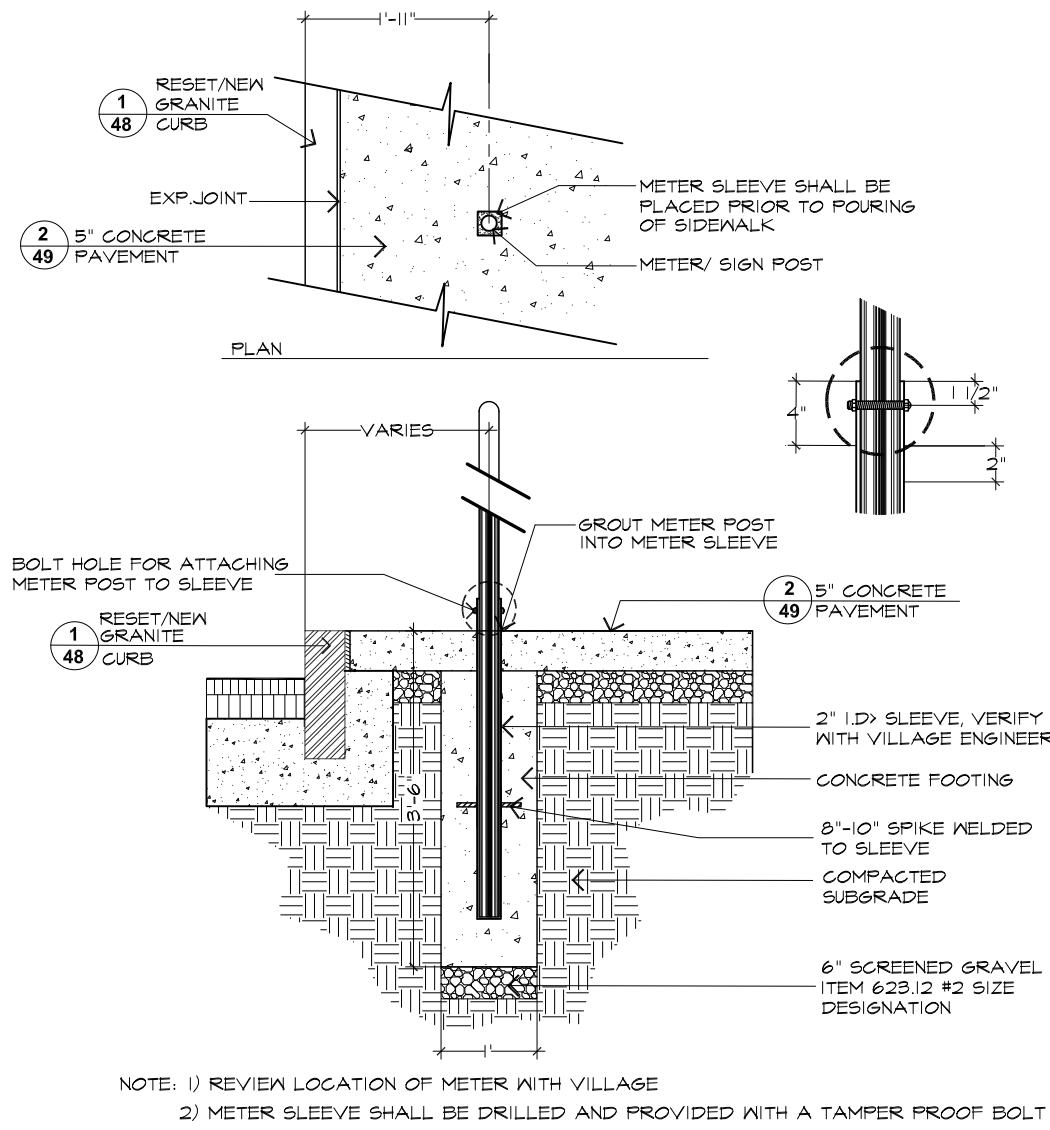
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52 RECONSTRUCT RUBBLE STONE WALL
(ITEM W560.0401) SCALE 1"=1'-0"



3
52 RESET EXISTING FENCE
SCALE 3/4" = 1'-0"



4
52 BRICK STEP DETAIL
SCALE: 1/2" = 1'-0"



4
52 RESET METER
ITEM NO. W634.0602 SCALE 1"=1'-0"

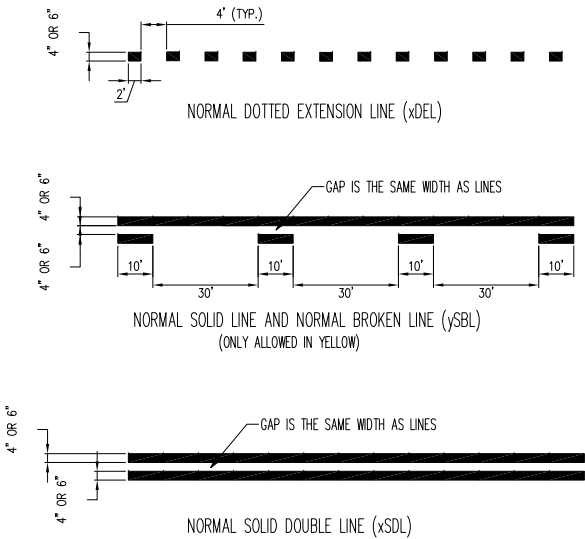
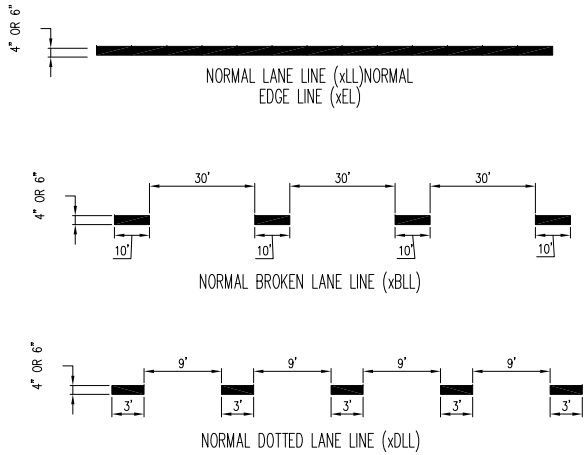
IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

REVISION	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION			
AS BUILT - CHANGES AS NOTED			
AS BUILT - NO CHANGES			
CONTRACTOR		PROJECT COORDINATOR	
NAME		NAME	
SIGNATURE		SIGNATURE	
TITLE		TITLE	
DATE		DATE	

WESTCHESTER COUNTY, NEW YORK		CONTRACT NUMBER	SHEET NUMBER
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION		16-526	52
DIVISION OF ENGINEERING		SHEET NO. 52 OF 55	
MISCELLANEOUS ROADWAY IMPROVEMENTS		SCALE: AS SHOWN	
WARBURTON AVENUE (C.R. #751)		DATE: 3/15/2018	
VILLAGE OF HASTINGS ON HUDSON, NEW YORK		DPW FILE NO.	REV. NO.
MISCELLANEOUS DETAILS		XX-XX-X-XX-0	

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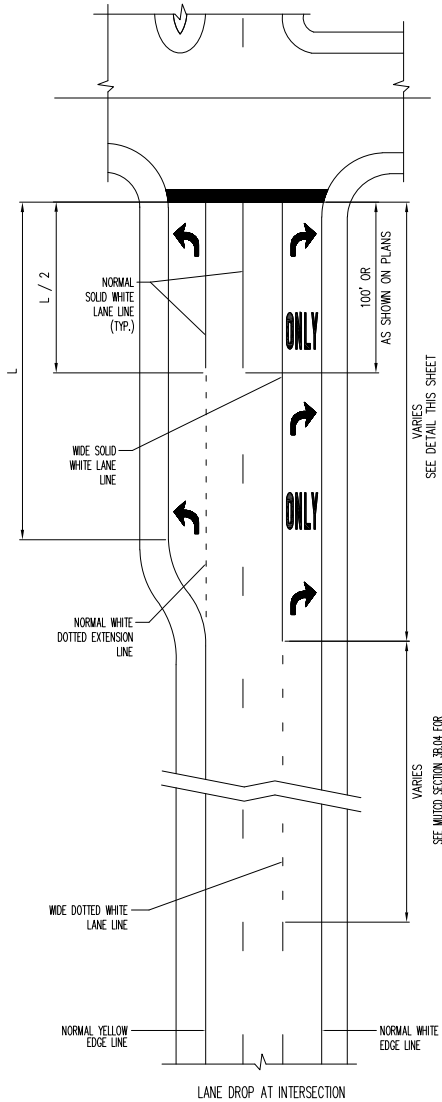


- PAVEMENT MARKING LINE NOTES:
- L1. Normal pavement marking lines shall be 6" on freeways and expressways and on ramps to and from freeways and expressways, and where specified in the contract documents. at all other locations normal pavement marking lines shall be 4". Wide pavement marking lines shall be twice as wide as normal lines on the same highway. Channelizing lines are the same width as wide lines.
- L2. Pavement marking line codes may be shown on the plans. designations:
- *w*=white *y*=yellow *wide*=wide

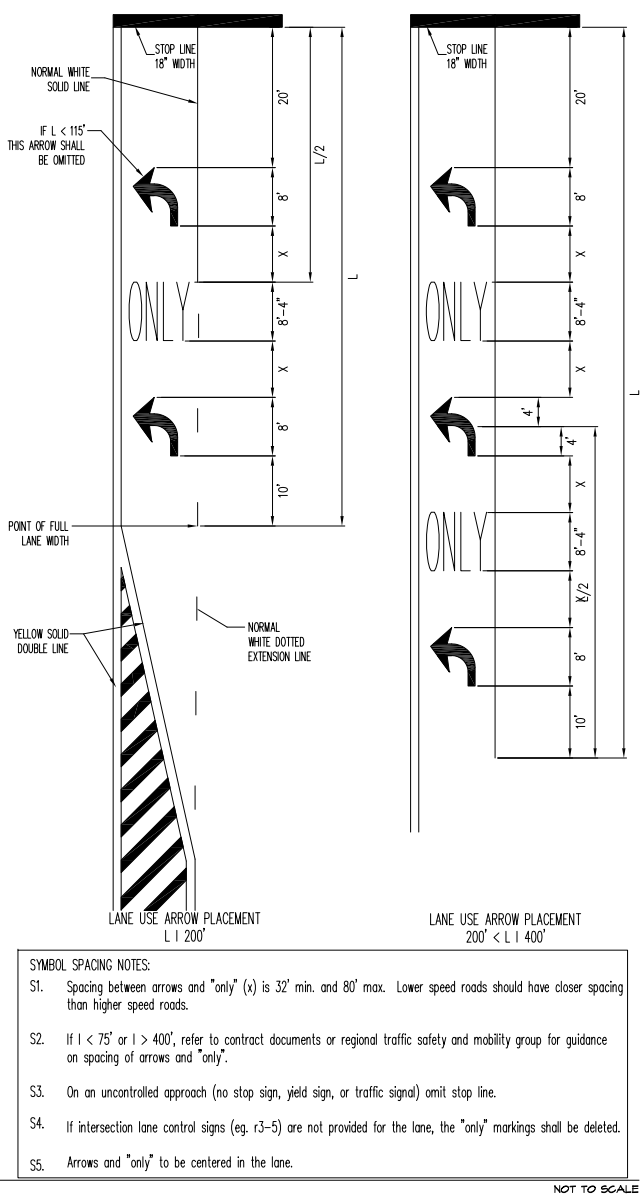
1 53 TYPICAL STRIPING LAYOUT NOT TO SCALE

GENERAL PAVEMENT MARKING NOTES:

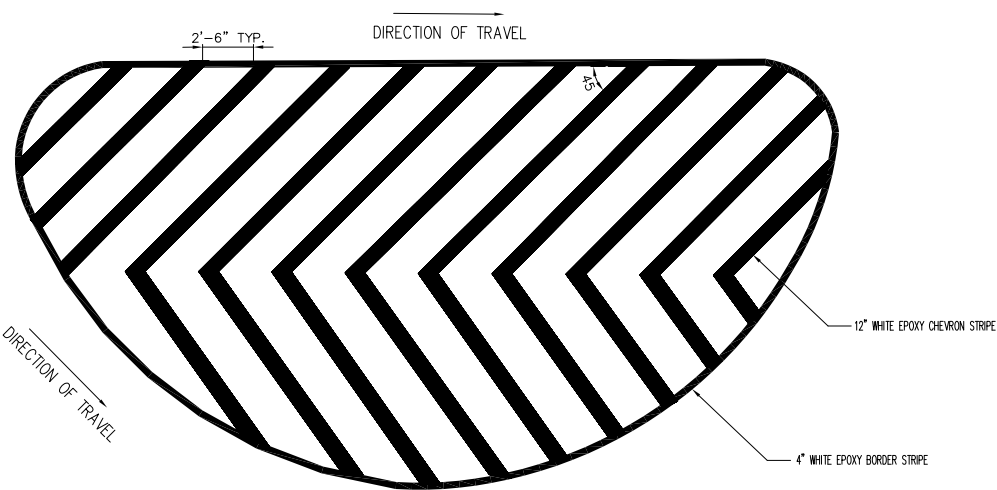
- All pavement markings shall be placed in accordance with the MUTCD and NYS supplement.
- Edge lines shall be yellow on the left side and white on the right side in the direction of travel unless otherwise shown on the plans. If the curb offset is less than 2'-0", no edge line shall be applied adjacent to curbs unless otherwise shown on the plans. Edge lines shall be provided at the curb adjacent to raised islands (see detail).
- Where markings normally follow a pavement joint, single line markings shall be placed along one side of the joint. Double line markings shall straddle the joint. Lane lines on roadways which are more than two lanes wide and have longitudinal joints between adjacent lanes, shall be placed on the side of the joint which will obtain optimum lane widths.
- At the junction of single and double line markings which follow a pavement joint, the single line shall be an extension of either of the double lines and not the space between them. At the junction of single and double line markings which do not follow a pavement joint, the single line may be aligned with the center of the double line marking or with either line of the double line.
- All dimensions and the placement of arrows, symbols, and text shown are typical and shall apply unless otherwise indicated in the contract documents.
- The engineer will review and approve any changes to the pavement marking plans prior to final installation. changes shall be submitted two weeks prior to installation.
- Item numbers shall be as follows:
White Lines, Hatch, No Parking, Stop Bars, Crosswalk: White Epoxy ReflectORIZED Pavement Stripes - 20 Mils (Wet Night Visibility Spheres) Item 685.07200110
Yellow Lines and Hatch: Yellow Epoxy ReflectORIZED Pavement Stripes - 20 Mils (Wet Night Visibility Spheres) Item 685.07200610
Letters: White Epoxy ReflectORIZED Pavement Letters - 20 Mils (Wet Night Visibility Spheres) Item 685.07200210
Symbols: White Epoxy ReflectORIZED Pavement Symbols - 20 Mils (Wet Night Visibility Spheres) Item 685.07200310
- See NYSDOT Standard Sheets 685 series for additional information.



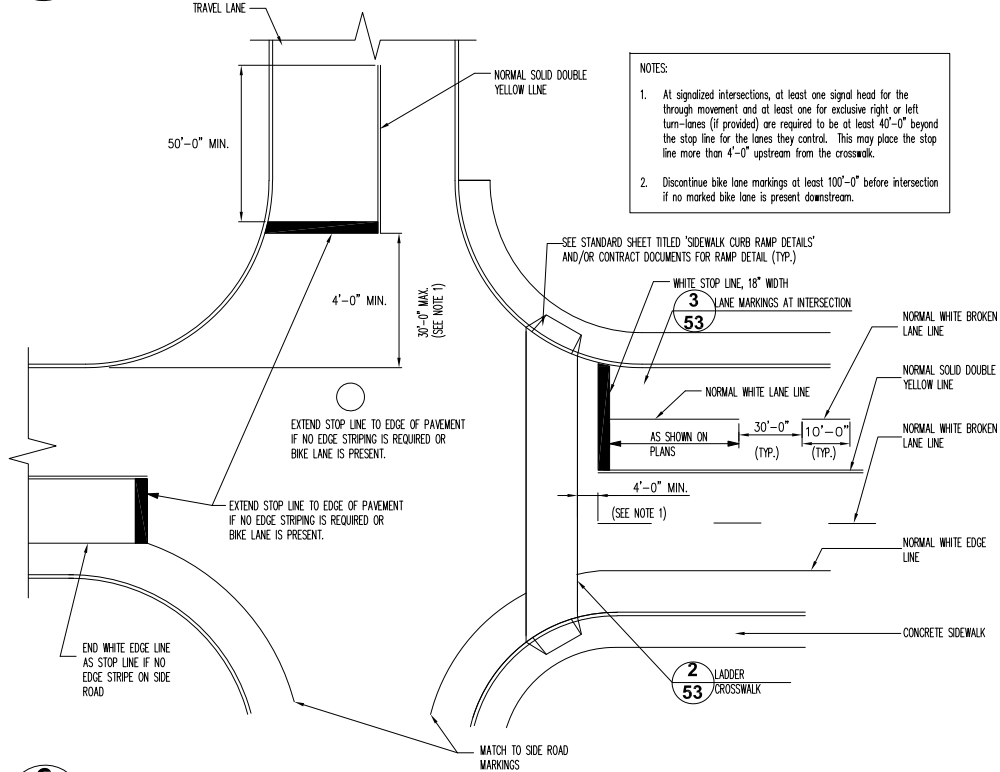
3 53 LANE MARKINGS AT INTERSECTION NOT TO SCALE



4 53 CROSS HATCHED ISLAND DETAIL NOT TO SCALE



5 53 FIRE STATION HATCH LAYOUT NOT TO SCALE



6 53 TYPICAL INTERSECTION MARKINGS NOT TO SCALE


































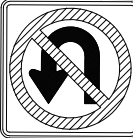









IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

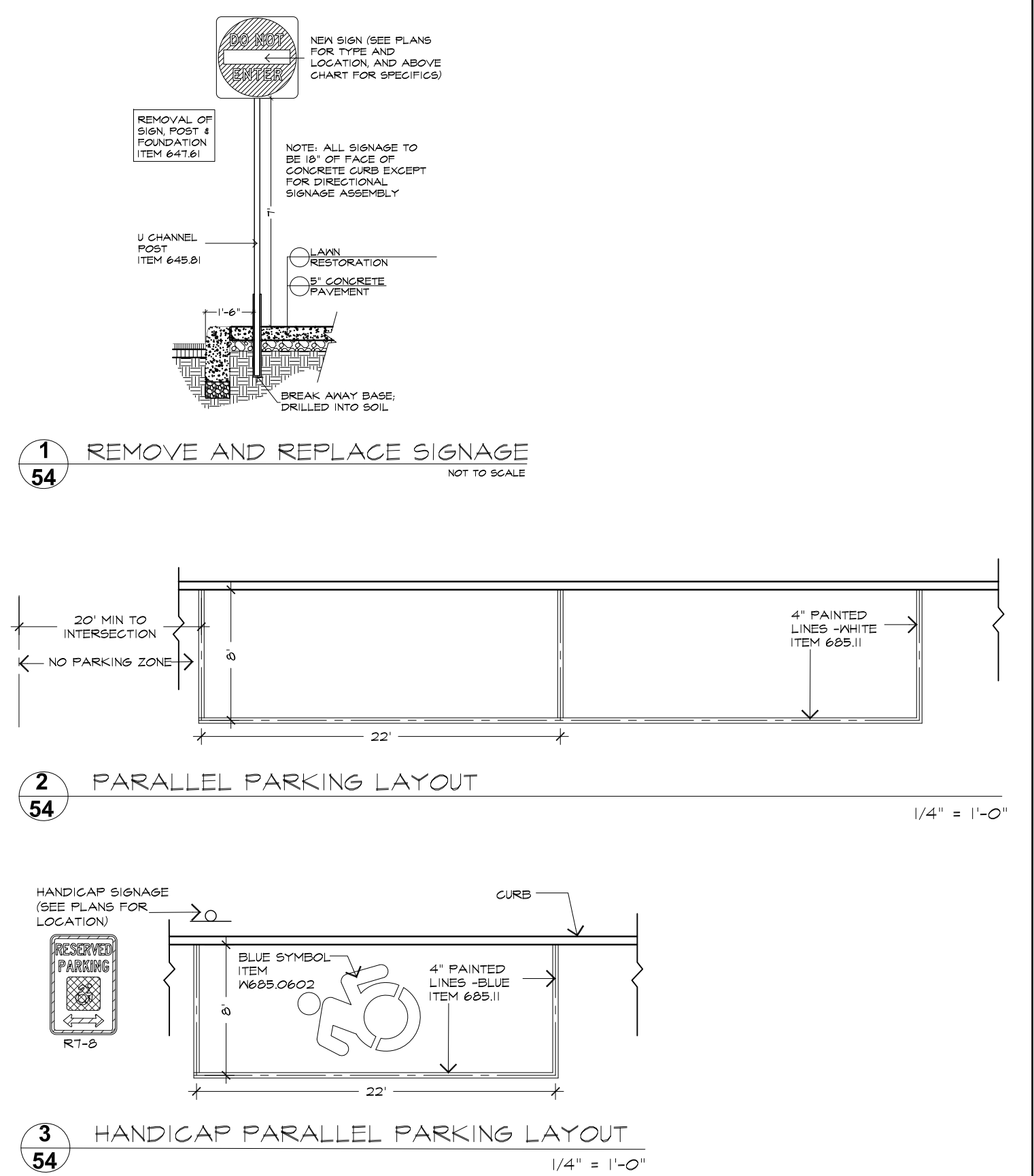
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CONTRACTOR		PROJECT COORDINATOR	
NAME		NAME	
SIGNATURE		SIGNATURE	
TITLE		TITLE	

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING	CONTRACT NUMBER 16-526	SHEET NUMBER 53
	SHEET NO. 53 OF 55	
MISCELLANEOUS ROADWAY IMPROVEMENTS WARBURTON AVENUE (C.R. #751) VILLAGE OF HASTINGS ON HUDSON, NEW YORK	SCALE: AS SHOWN DATE: 3/15/2017	
PAVEMENT MARKING DETAILS	DPW FILE NO. XX-XX-X-XX-0	REV. NO.

X:\HIGHWAYS\ROADS\Warburton Ave (CR 75-1)\Contracts\16-526 Warburton Ave Resurfacing\drawing\DETAILED.dwg, 3/15/2018 12:00:28 PM, 1:2

SIGNAGE TEXT LEGEND							
SIGN TEXT	MUTCD NO.	SHEETING/ REFLECTIVITY	COLOR	SIGN TEXT	MUTCD NO.	SHEETING/ REFLECTIVITY	COLOR
	R2-1 (NATIONAL) 24" X 30" QTY:4	ASTM TYPE III (CLASS B) HIGH INTENSITY	 BLACK  WHITE		W 11-2 (NATIONAL) 30" X 30" QTY:4	ASTM TYPE III (CLASS B) HIGH INTENSITY	 RED  BLACK  WHITE
						POSTBRITE SIDE REFLECTIVE PANEL	COLOR: RED
	R7-8 (NO ARROW) (NATIONAL) 12" X 18" QTY: 3	ASTM TYPE III (CLASS B) HIGH INTENSITY	 BLUE  GREEN  WHITE		W14-1 (NATIONAL) 30" X 30" QTY: 1	ASTM TYPE III (CLASS B) HIGH INTENSITY	 BLACK  YELLOW
	W1-1 (NATIONAL) 30" X 30" QTY: 6	ASTM TYPE III (CLASS B) HIGH INTENSITY	 RED  WHITE		W1-2L (NATIONAL) 30" X 30" QTY: 1	ASTM TYPE III (CLASS B) HIGH INTENSITY	 BLACK  YELLOW
		POSTBRITE SIDE REFLECTIVE PANEL	COLOR: RED			POSTBRITE SIDE REFLECTIVE PANEL	COLOR: YELLOW
	R3-2 (NATIONAL) 12" X 36" QTY: 1	ASTM TYPE III (CLASS B) HIGH INTENSITY	 RED  BLACK  YELLOW		W1-8R (NATIONAL) 18" X 24" QTY: 3	ASTM TYPE III (CLASS B) HIGH INTENSITY	 BLACK  YELLOW
						POSTBRITE SIDE REFLECTIVE PANEL	COLOR: YELLOW
	R3-7R (NATIONAL) 36" X 36" QTY: 1	ASTM TYPE III (CLASS B) HIGH INTENSITY	 BLACK  WHITE		W1-8L (NATIONAL) 18" X 24" QTY: 3	ASTM TYPE III (CLASS B) HIGH INTENSITY	 BLACK  YELLOW
						POSTBRITE SIDE REFLECTIVE PANEL	COLOR: YELLOW
	R3-4 (NATIONAL) 36" X 36" QTY: 1	ASTM TYPE III (CLASS B) HIGH INTENSITY	 RED  BLACK  YELLOW	 	W16-7P (NATIONAL) 24" X 12" QTY: 4	ASTM TYPE III (CLASS B) HIGH INTENSITY	 BLACK  YELLOW
					W16-7P (NATIONAL) 24" X 12" QTY: 4	ASTM TYPE III (CLASS B) HIGH INTENSITY	 BLACK  YELLOW

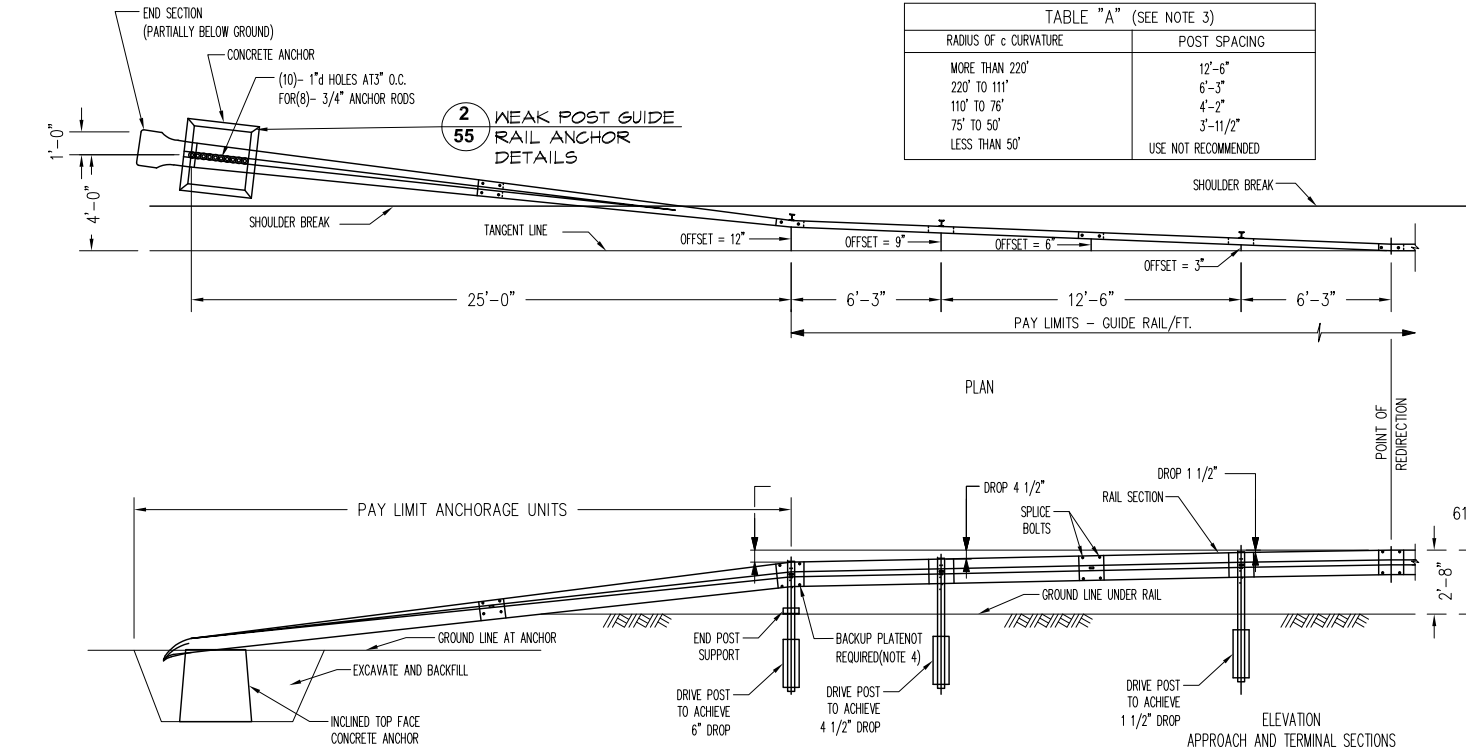
- Signage Notes
- Signs in this legend refer to signs that are subject to regulation through the federal and state MUTCD. See this page as well as the signage and striping plans for additional signage.
 - On a post with two signs, the distance from bottom of lower sign to finished grade shall be 6'. All other signs mounted with only one sign shall have a distance from bottom of sign to finished grade of 7'.
 - Sign panel & assemblies shall be paid for under 645.5101. Posts shall be paid for under Item 645.81. Retroreflective Sign Post Strips shall be paid for under Item 645.81020003.
 - All signs shall be mounted at 90 to the curbline with the exception of parking sign.
 - Parking signs shall be mounted at 30 to the curbline facing the direction of traffic
 - Posts shall be mounted so that the signs will be mounted no closer than 2'-0" from the face of the curb.
 - Chevron signs shall be mounted no higher then 5' over the travel surface.



IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

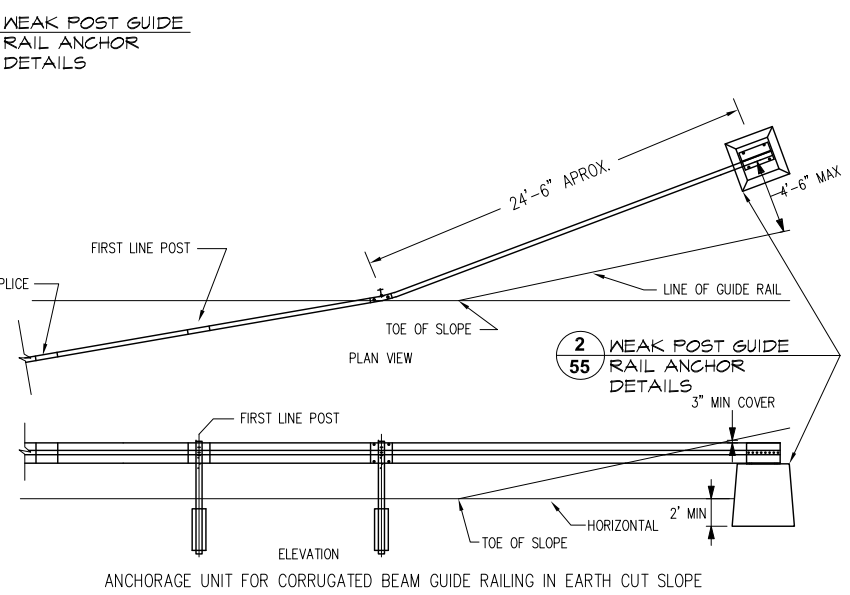
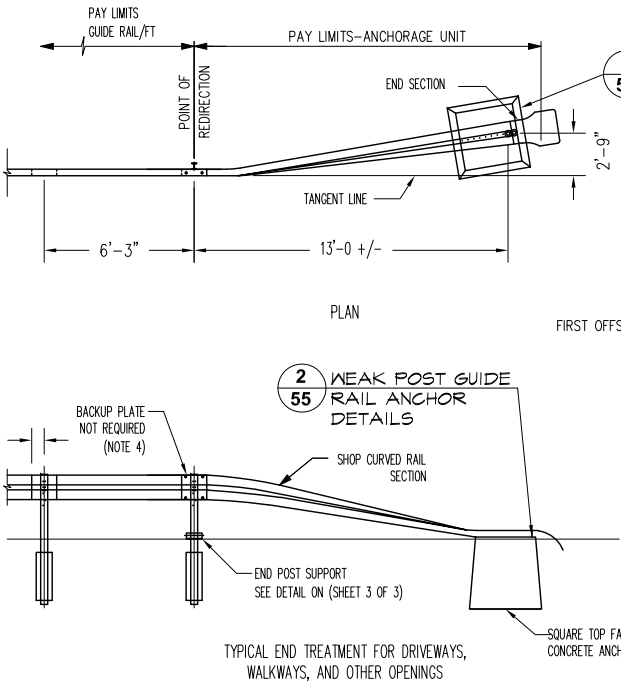
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CONTRACTOR			PROJECT COORDINATOR			MISCELLANEOUS ROADWAY IMPROVEMENTS WARBURTON AVENUE (C.R. #75I) VILLAGE OF HASTINGS ON HUDSON, NEW YORK			
NAME _____		NAME _____		DATE _____		SCALE: AS SHOWN			
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TITLE _____		TITLE _____		DATE _____		DPW FILE NO. _____			
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION		SIGNAGE & PARKING LAYOUT DETAILS			
						XX-XX-X-XX-0			

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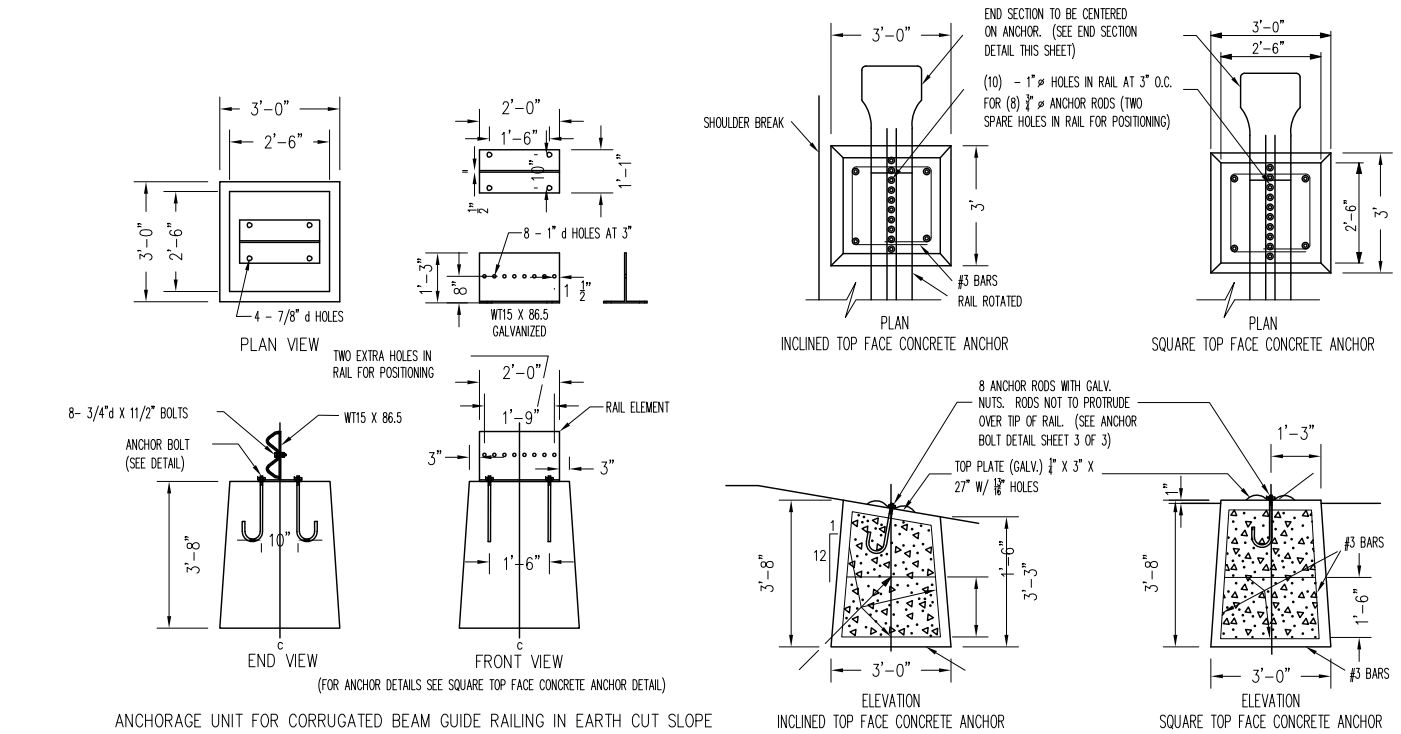


1
55

WEAK POST GUIDE RAIL PLAN AND SECTION



SCALE 1/4" = 1'-0"



2
55

WEAK POST GUIDE RAIL ANCHOR DETAILS

SCALE 1/4" = 1'-0"

IN CHARGE OF A. VENTAROLA
CHECKED BY S. LOPANE
MADE BY K. SITZMAN

REVISION	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION			
AS BUILT - CHANGES AS NOTED			
AS BUILT - NO CHANGES			
CONTRACTOR		PROJECT COORDINATOR	
NAME		NAME	
SIGNATURE		SIGNATURE	
TITLE		TITLE	

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION DIVISION OF ENGINEERING		CONTRACT NUMBER 16-526	SHEET NUMBER 55
MISCELLANEOUS ROADWAY IMPROVEMENTS WARBURTON AVENUE (C.R. #751) VILLAGE OF HASTINGS ON HUDSON, NEW YORK		SHEET NO. 55 OF 55 SCALE: AS SHOWN DATE: 3/15/2018	
GUIDE RAIL & FENCING DETAILS		DPW FILE NO. XX-XX-X-XX-0	REV. NO.