

MAIN ST. AND WARBURTON AVE.

SIDEWALK IMPROVEMENTS

VILLAGE OF HASTINGS ON HUDSON

VILLAGE HALL

7 MAPLE AVENUE
HASTINGS ON HUDSON, NY 10706

MAYOR
NICOLA ARMACOST

VILLAGE ADMINISTRATOR
MARY BETH MURPHY

WESTCHESTER COUNTY DEPARTMENT OF PLANNING

DIVISION OF DESIGN

148 MARTINE AVENUE
WHITE PLAINS, NEW YORK 10601

DRAWING LIST

GENERAL SHEETS

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NOTES:

SCOPE OF WORK

The project involves the replacement of concrete sidewalks and tree pits. Associated work includes pavement replacement, drainage, landscaping and associated removals.

GENERAL NOTES

- Topographical survey was prepared by Tectonic Engineering Consultants, Geologists and Land Surveyors, D.P.C., 70 Pleasant Hill Road, P.O. Box 37, Mountainville, NY 10953 dated 4/19/2021. Datum: NAD83 East Zone US Foot horizontal datum and the NAVD88 vertical datum.
- The Contractor must remain within the R.O.W. shown on the drawings. The Contractor must conduct work in a manner that does not disrupt or impact the active operations of the adjacent roadway or any other adjacent properties.
- 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 Owner in writing prior to commencement of work.
- The Contractor shall provide and maintain all necessary barricades, road plating, danger signals and other safe guards, etc., to adequately protect all workers and the public from possible injury. The Contractor shall be responsible for all accidents or damages to persons or property (including any vandalism) resulting from unauthorized access to the site for the duration of the project. Unless otherwise specified in the contract, the cost of such protection shall be deemed included in the various items of the contract. No direct payment.

- The location, size, depth and completeness of existing utilities are not guaranteed. The Contractor shall verify actual locations by excavating test pits to determine actual conditions, and determine which utility companies have active and/or abandoned lines in the area of work. The location of all underground utilities shall be verified according to "Protection of Underground Utilities" 16NYCRR Part 753-3.6. Note that verification requires hand excavation.
- All damage to public or private facilities caused by the Contractor's operation shall be repaired to the satisfaction of the Owner at the Contractor's expense. It shall be the responsibility of the Contractor to photographically document all existing structures for job files prior to any pavement removal. One (1) set of photos shall be submitted to the Owner. Structures are defined as building facades, stoops, steps, trees, wall, signage, and pavement not designated for removal.
- All survey and stake out work shall be included in the price of the items which require survey and stake out.
- All communication and coordination meetings relative to this project between the Contractor and any agency, utility or organization shall be conducted by and through the Owner and the Owner's representative.

CONSTRUCTION NOTES

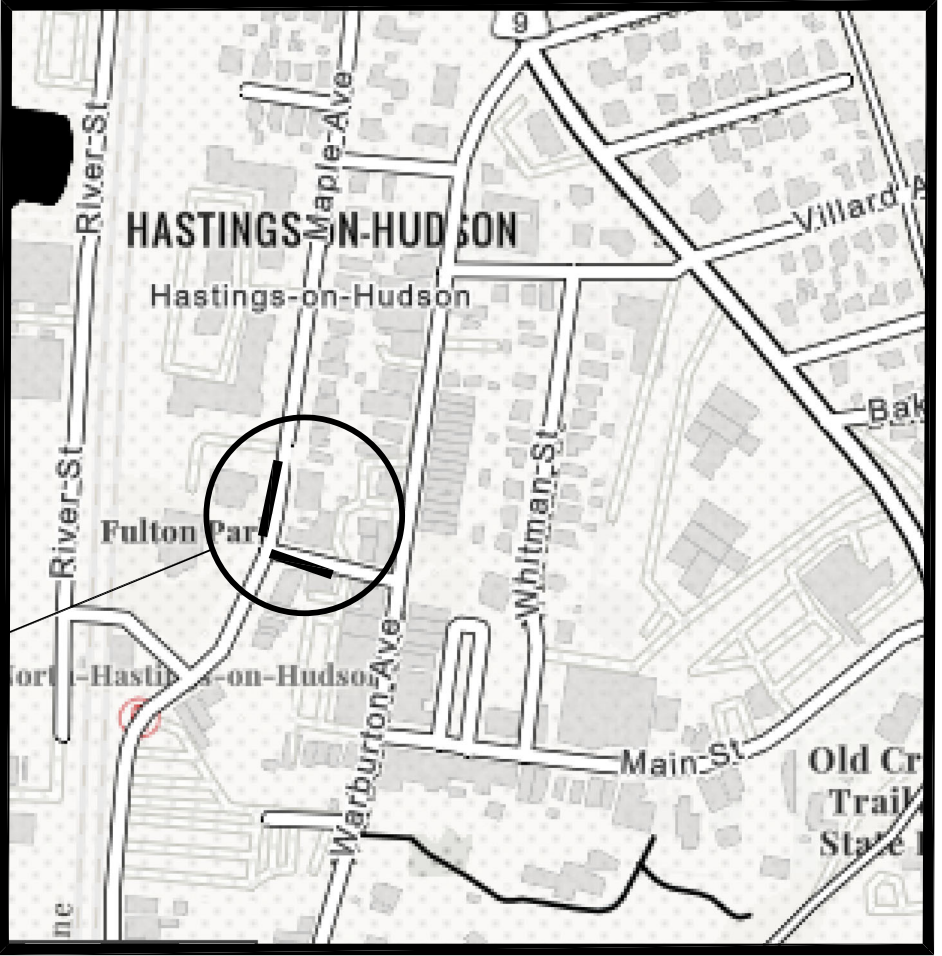
- Existing utility manholes to be adjusted as required to meet new pavement lines.
- All existing and/or proposed gutter flow shall be maintained so as not to cause any ponding condition abutting or adjacent to this project.
- The Contractor will be required to restore any pavement damaged by sidewalk, curb, and/or utility construction.

- The Contractor shall replace any missing, broken, or existing curb, or driveway pavement damaged during construction and repair as directed by the Engineer.
- New pavement shall meet existing conditions at project limits with no trip hazard.
- Asphalt pavements shall be removed to a depth as indicated on the drawings to meet proposed grades. Method of removal must be approved by the Village Engineer prior to demolition. The use of "Ram Hoe" or, truck mounted pavement breakers or track excavators is not permitted at any time. The area under construction shall be kept as clean and neat as possible and no materials shall restrict the water flow in gutter areas. These requirements shall be the responsibility of the Contractor.
- Care must be exercised to prevent damage to Owner's existing equipment, such as cameras, fire alarms, and others. Any equipment that is damaged must be repaired or replaced at the Contractor's expense.
- The Contractor's attention is referred to the requirement that no paving work except temporary paving is to be done until completion of all utility work.

CONSTRUCTION STAGING

- The maximum allowable excavated sidewalk is 100 linear feet, unless otherwise directed by the Owner.
- Traffic on Warburton Avenue and Main Street must be maintained at all times practicable. The Contractor is responsible for notifying the municipality three (3) days in advance of any changes to the traffic pattern.

- Any work done in the 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 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.
- The maintenance of traffic for both pedestrians and vehicles shall be the responsibility of the Contractor. The Contractor shall adhere to all traffic maintenance and staging schemes in accordance with MUTCD and other applicable state standards and permit conditions. All maintenance devices including, but not limited to barricades, steel plates, lights, and warning regulations of the Municipality and N.Y.S. Dept. of Transportation.
- When necessary the Contractor shall construct temporary ramps, crossovers, etc. to permit safe and easy passage through the contract area. The contractor shall be liable and responsible for the materials and workmanship required to provide adequate and safe crossing structures.
- The hours of construction are between 8:00 am and 5:00 pm, weekdays.
- In the event that lane closures must take place, these closures must take place between 9:30 am and 3:00 pm. The Contractor must contact the Owner 72 hours in advance of any lane closures.

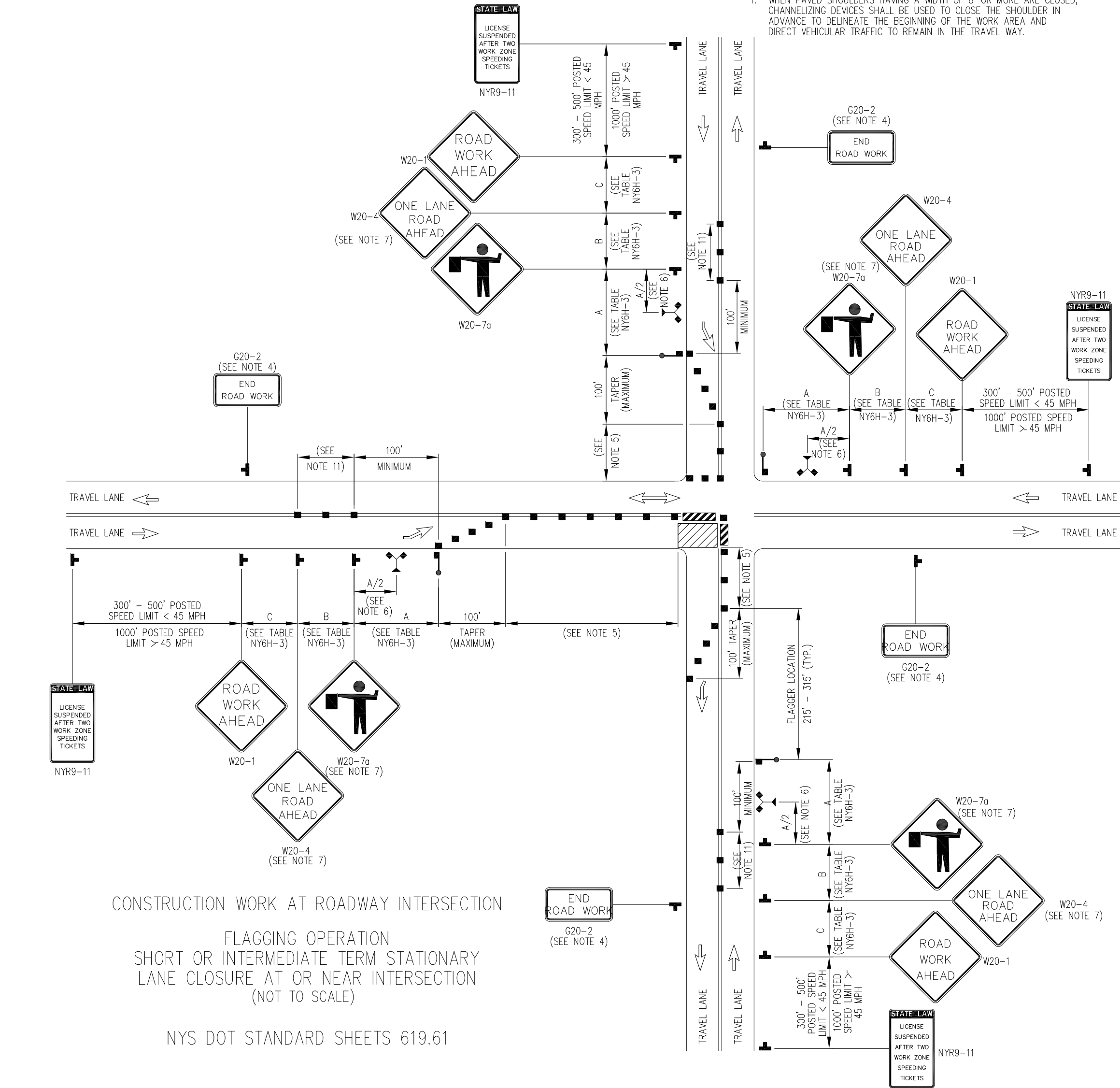


LOCATION MAP

200' South Side of Main Street, starting at Warburton Avenue, and 250' West Side of Warburton Avenue, starting at Main Street.

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 SPACE.
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 1/2 THE DISTANCE BETWEEN THE FLAGGER SIGN (W20-7 a) 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".

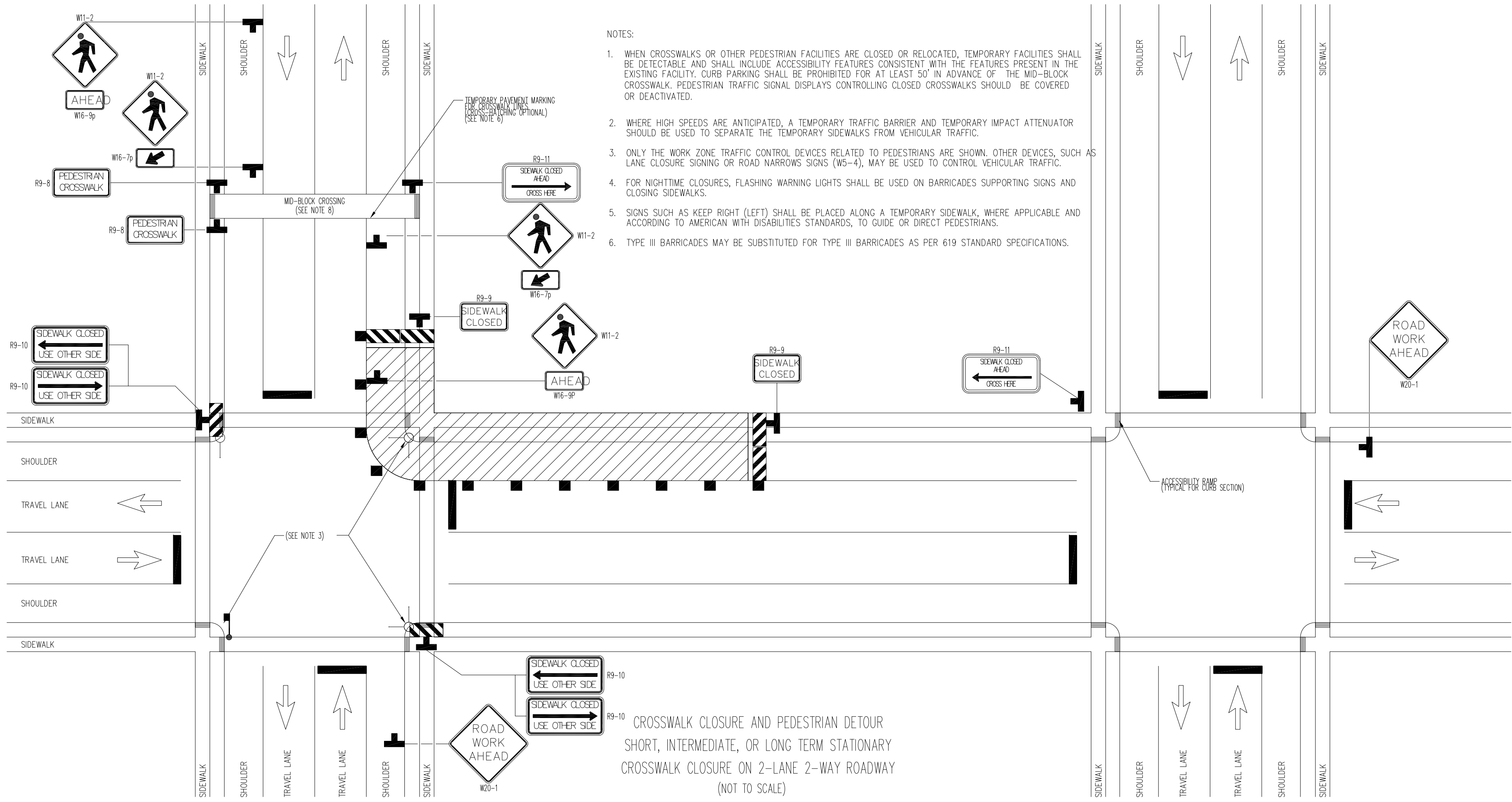


SINGLE LANE TRAFFIC FLAGGING OPERATION
SHORT OR INTERMEDIATE TERM STATIONARY
LANE CLOSURE ON 2-LANE 2-WAY ROADWAY
(NOT TO SCALE)

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.



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 WORK SPACE.
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 OF 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.
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10. FLAGGER AND FLAG TREE SHALL BE ILLUMINATED TO LEVEL II ILLUMINATION DURING NIGHT TIME OPERATIONS.
11. ALL FLAGGERS SHALL USE 24" (MIN.) OCTAGON SHAPED STOP/SLOW PADDLES HAVING 6" STAFF.
12. CENTERLINE CHANNELIZING DEVICES ARE OPTIONAL AND MAY BE ELIMINATED WHERE SPACE CONSTRAINTS EXIST.

<div>Westchester ny.com</div> <div>DEPARTMENT OF PLANNING DIVISION OF DESIGN</div> <div>MICHAELIAN OFFICE BUILDING 148 MARTINE AVENUE WHITE PLAINS, NY 10601</div> <div>DRAWN BY: S. LOPANE</div> <div>CHECKED BY: D. HAHN</div>	VILLAGE OF HASTINGS ON HUDSON 7 MAPLE AVENUE HASTINGS, NY 10706	SCALE: AS SHOWN DATE: January 4, 2022			SHEET 2 OF 10 2
	MAIN STREET & WARBURTON AVE. SIDEWALK IMPROVEMENTS	DATE	REVISIONS	BY	
BASIC WORK TRAFFIC CONTROL PLANS					

GENERAL NOTES (01/08/09)

- THE TYPICAL DETAILS DEPICTED ON THE STANDARD SHEETS AND IN THE MUTCD, REFLECT THE MINIMUM REQUIREMENTS.
- 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.
- 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

- THE CONTRACTOR SHALL MAINTAIN A MINIMUM 500' LONGITUDINAL DISTANCE BETWEEN CONSTRUCTION OPERATIONS ON ALTERNATE SIDES OF THE ROADWAY, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- 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

- 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.
- 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.
- SIGNS AT OR NEAR INTERSECTIONS SHALL BE PLACED SO THAT THEY DO NOT OBSTRUCT A MOTORIST'S LINE OF SIGHT.
- 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.
- 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.
- 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.
- NYR9-12 MAY BE USED IN PLACE OF NYR9-11.

CHANNELIZING DEVICES

- 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

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

LANE CLOSURES

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

- 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'.
- 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

- 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.
- WHERE THE REQUIREMENT IS "OPTIONAL", EITHER A BARRIER VEHICLE OR THE STANDARD LONGITUDINAL BUFFER SPACE (TABLE 6C-2) SHALL BE PROVIDED.
- 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.
- BARRIER VEHICLES ARE NOT REQUIRED FOR MILLING AND/OR PAVING OPERATIONS, BUT THE STANDARD LONGITUDINAL BUFFER SPACE (TABLE 6C-2) SHALL BE PROVIDED.
- 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 (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.

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

Westchester

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DEPARTMENT OF PLANNING
DIVISION OF DESIGN

MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE
WHITE PLAINS, NY 10601

DRAWN BY:
SINIO PANE

CHECKED BY:
JUDITH RAHN

VILLAGE OF HASTINGS ON HUDSON
7 MAPLE AVENUE
HASTINGS, NY 10706

MAIN STREET & Warburton Ave.
SIDEWALK IMPROVEMENTS

BASIC WORK TRAFFIC CONTROL NOTES

SCALE: AS SHOWN	
DATE	REVISIONS
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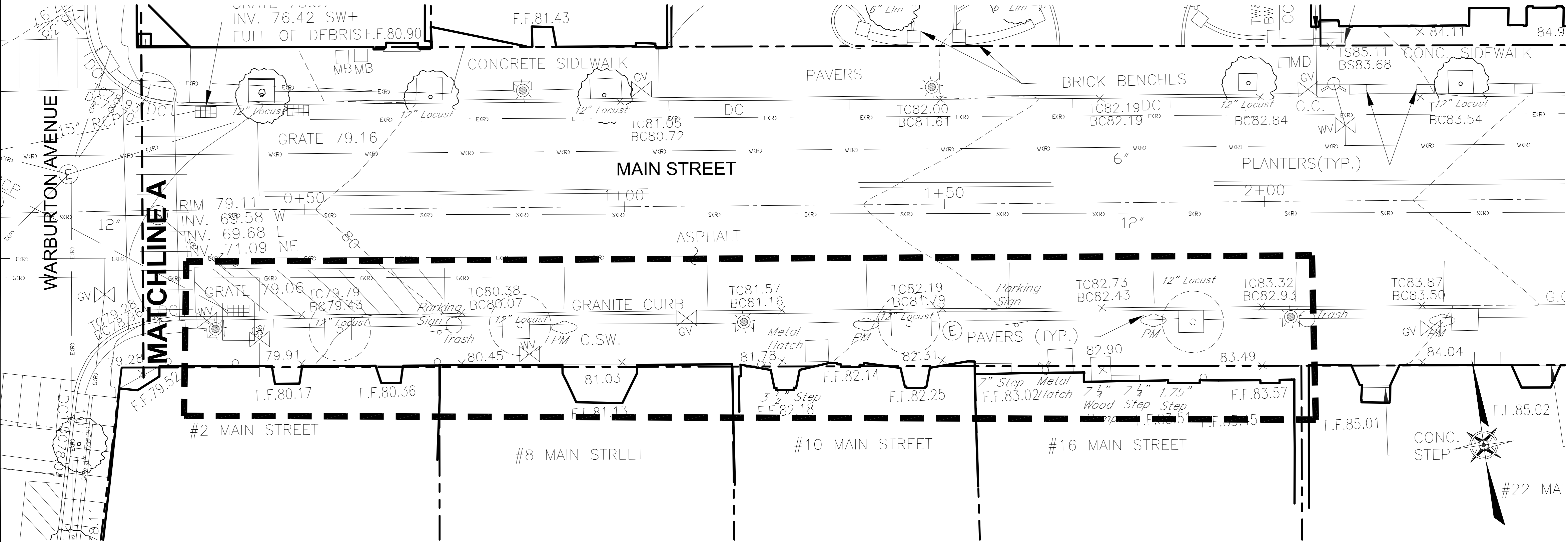
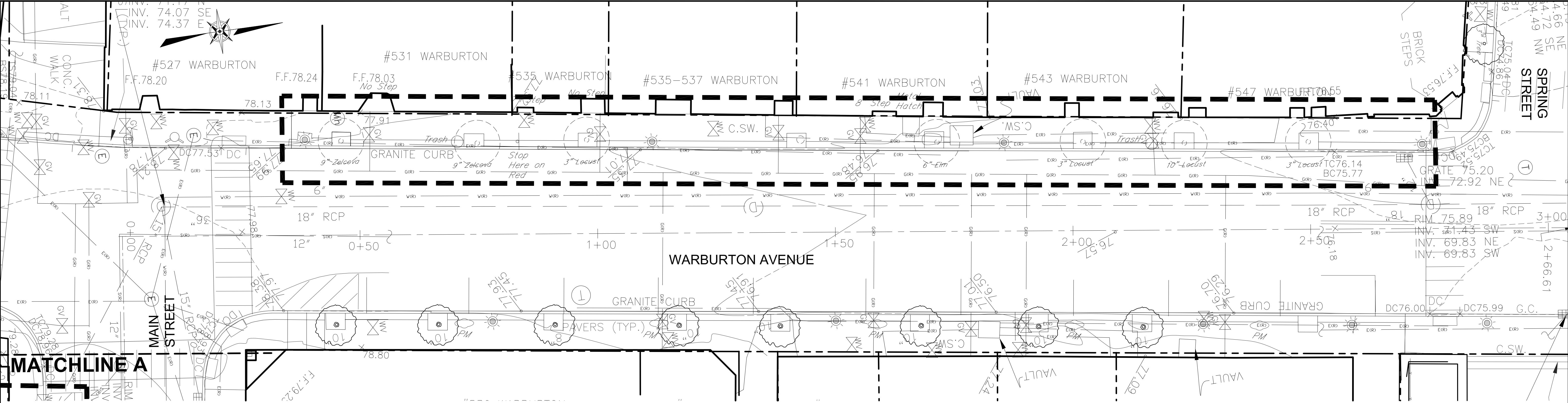
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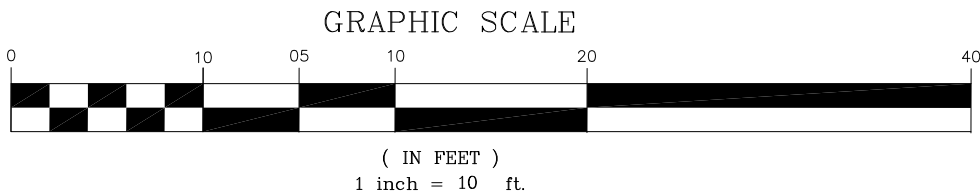
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SURVEY LEGEND			
	Manhole		Utility Pole
	Sewer Manhole		Telephone Manhole
	Drain Manhole		Gas Valve
	Catch Basin		Water Valve
	Hedge & Evergreen		Water Meter
	Tree		Hydrant
	Light Pole		Sign
	Electric Manhole		Metal Cover
	Guy Pole		

LEGEND

- CONTRACT LIMIT LINE
- EXISTING TREE TO REMAIN



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MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE
WHITE PLAINS, NY 10601

DRAWN BY:
S. LOPANE

CHECKED BY:
A. ZAINO

VILLAGE OF HASTINGS ON HUDSON
7 MAPLE AVENUE
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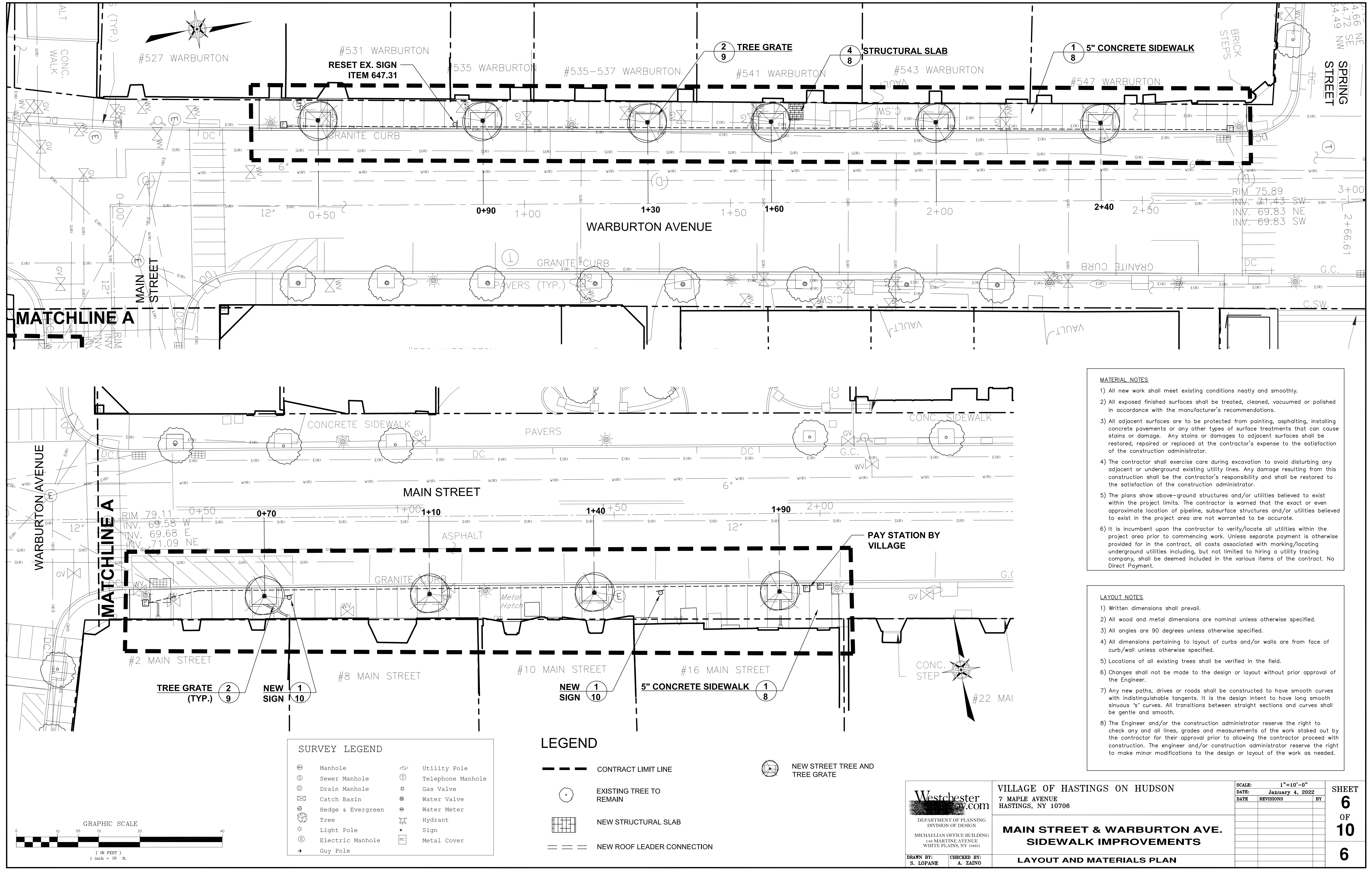
**MAIN STREET & WarBURTON AVE.
SIDEWALK IMPROVEMENTS**

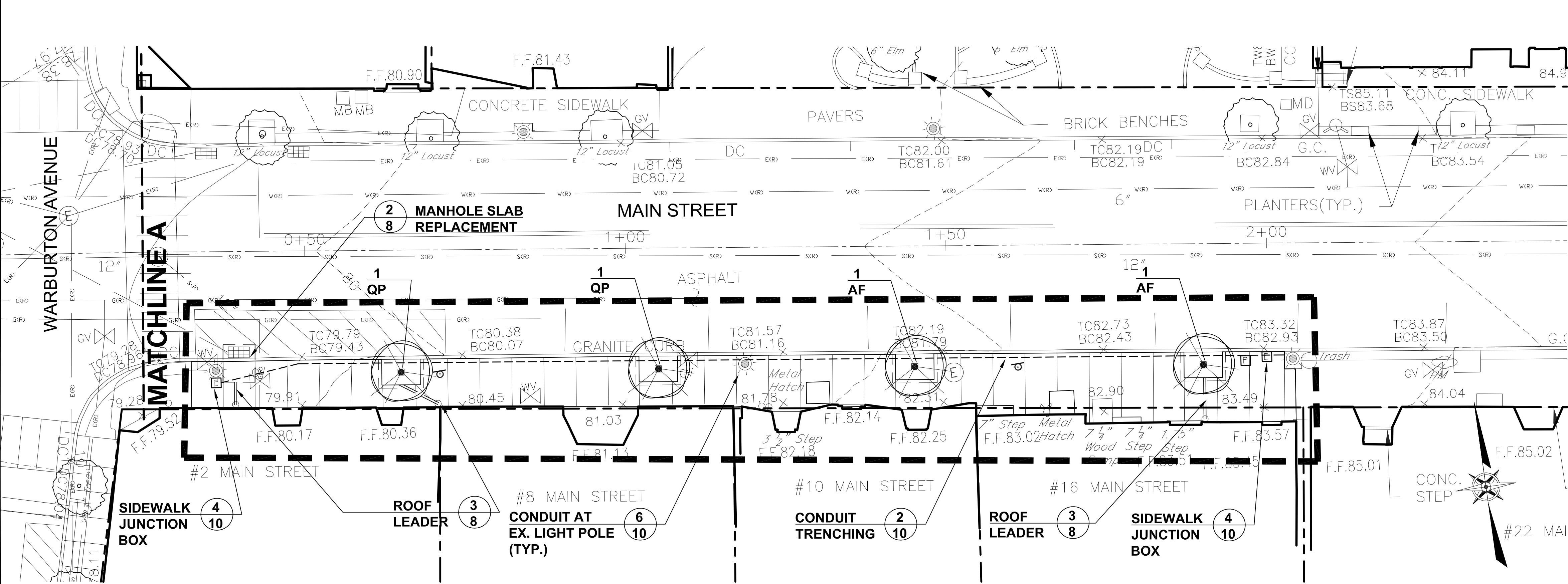
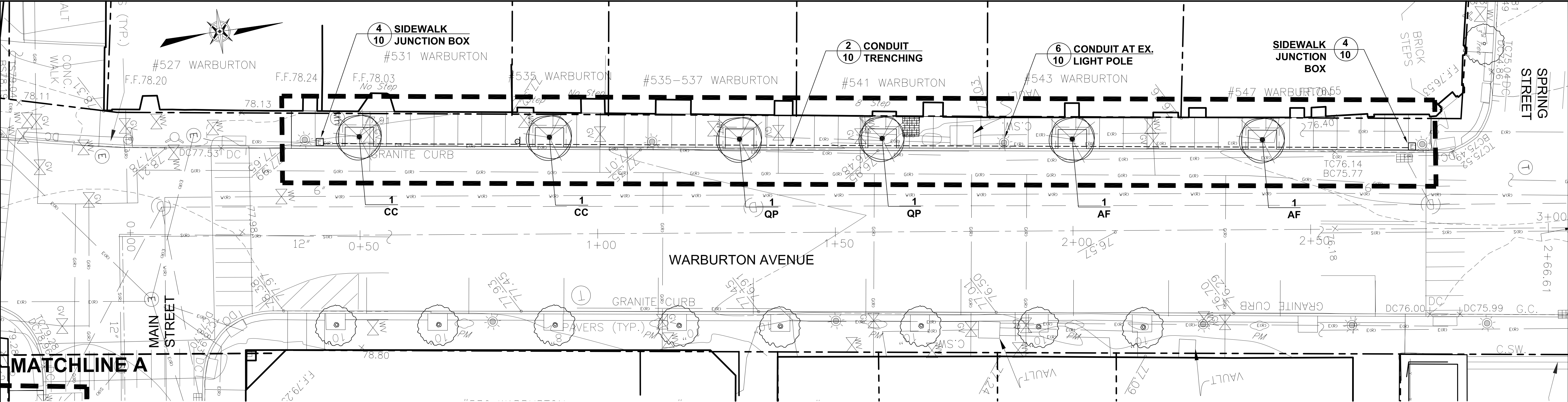
EXISTING CONDITIONS PLAN

SCALE:	1"=10'-0"	SHEET
DATE:	January 4, 2022	
DATE	REVISIONS	BY

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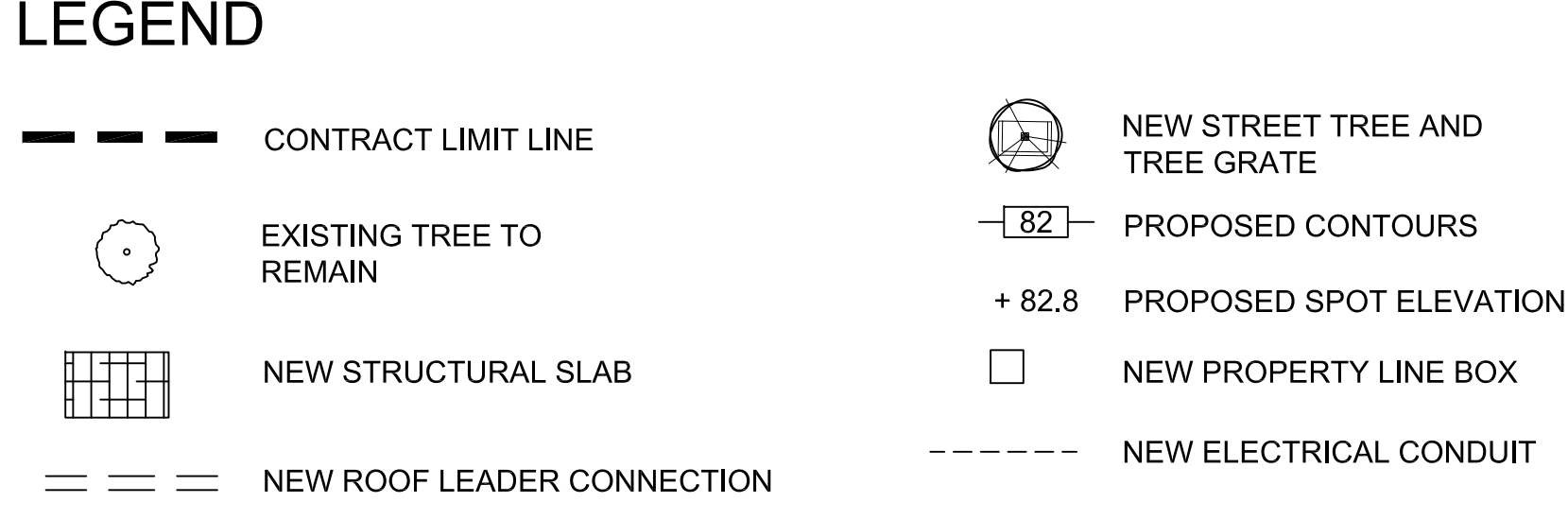
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- GRADING AND UTILITY NOTES**
- 1) The locations of all utilities are diagrammatic. Where new utilities are to cross or connect to existing utilities, the contractor shall make preliminary investigations including but not limited to all necessary excavation 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.

- 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) 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.
 - 4) 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.
 - 5) All disturbed areas within 500 feet of an inhabited dwelling shall be wetted as necessary to ensure dust control.



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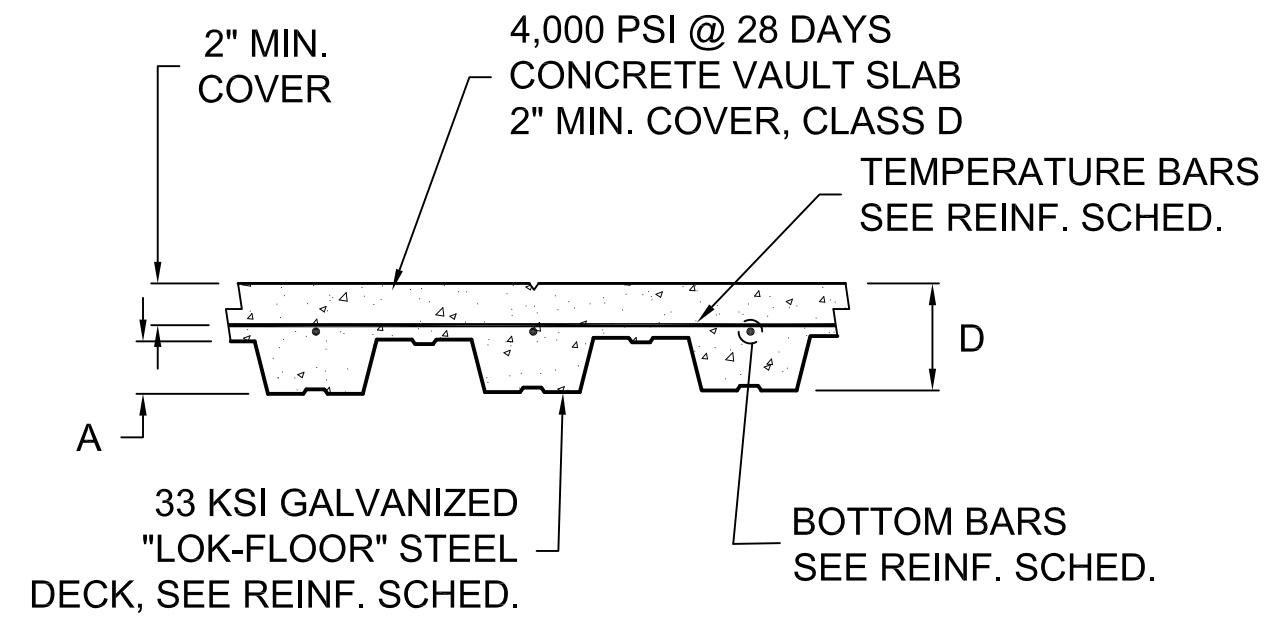
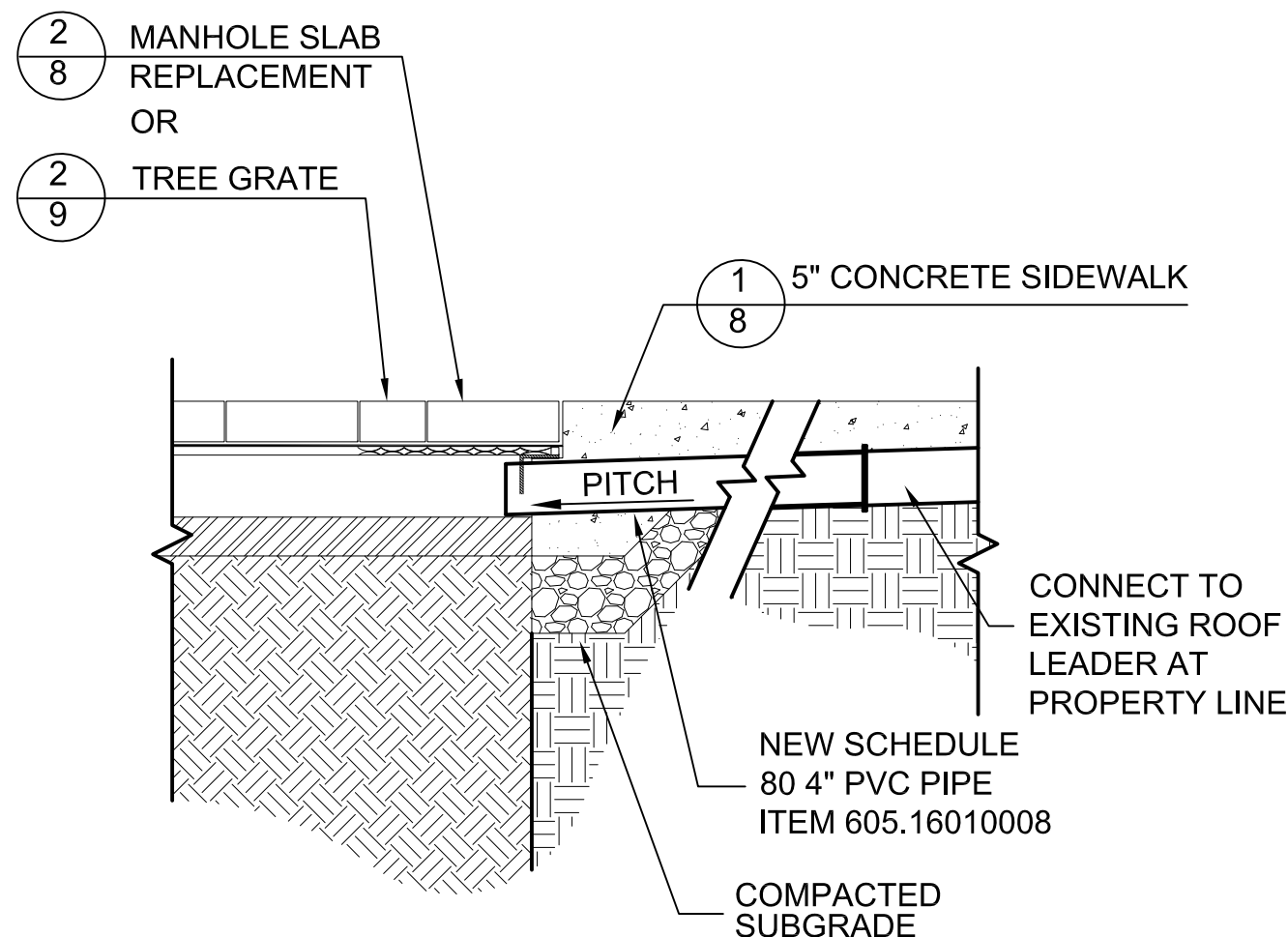
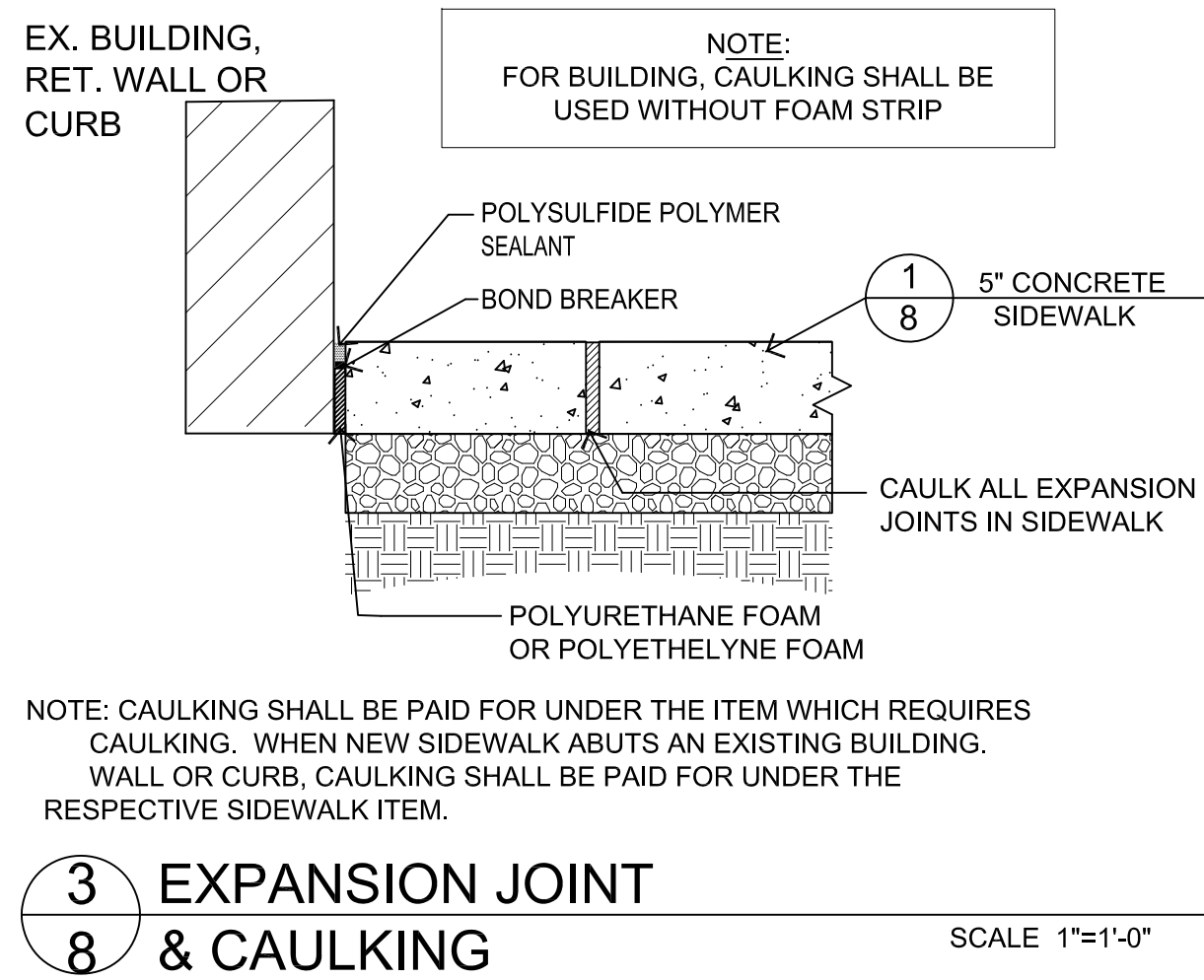
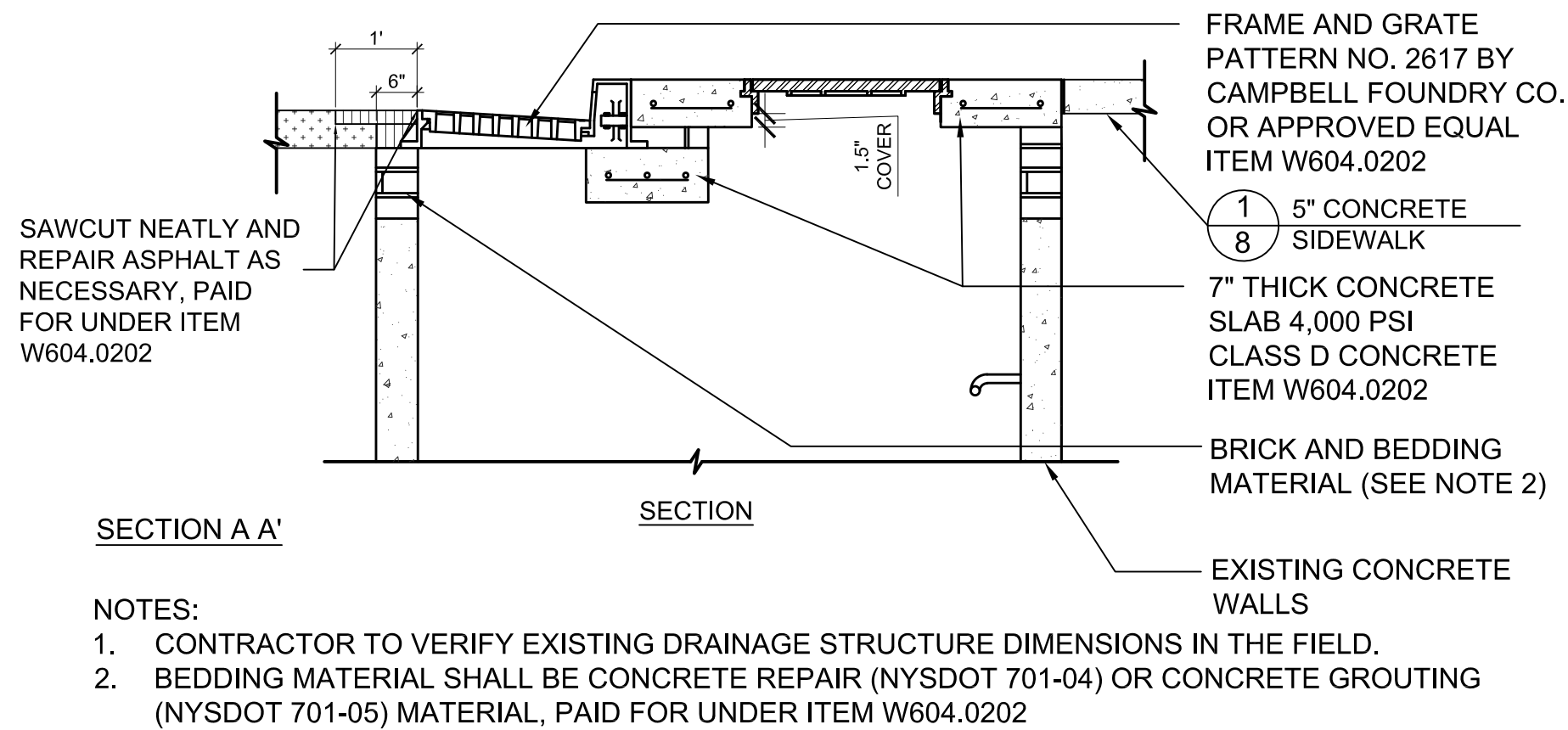
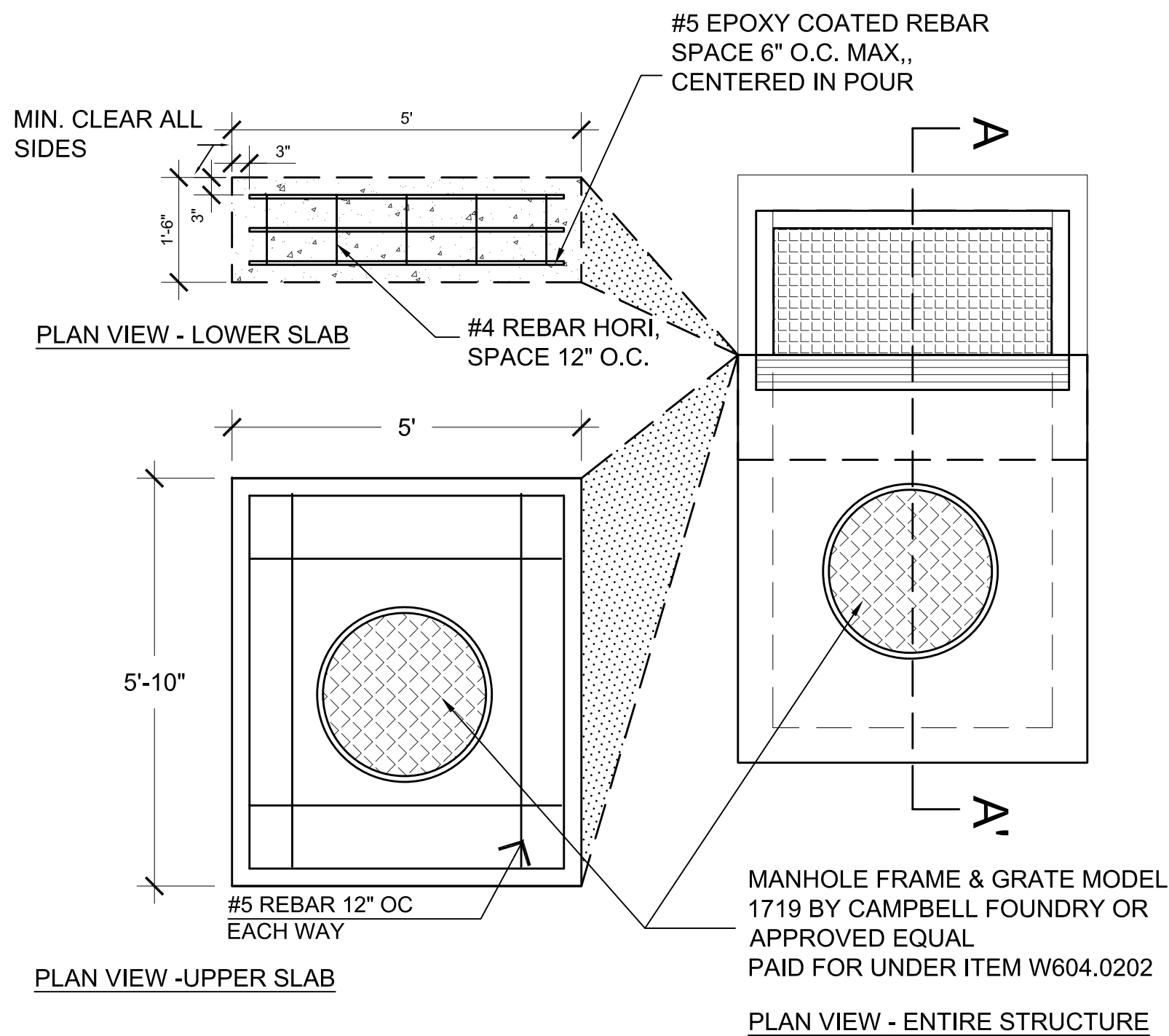
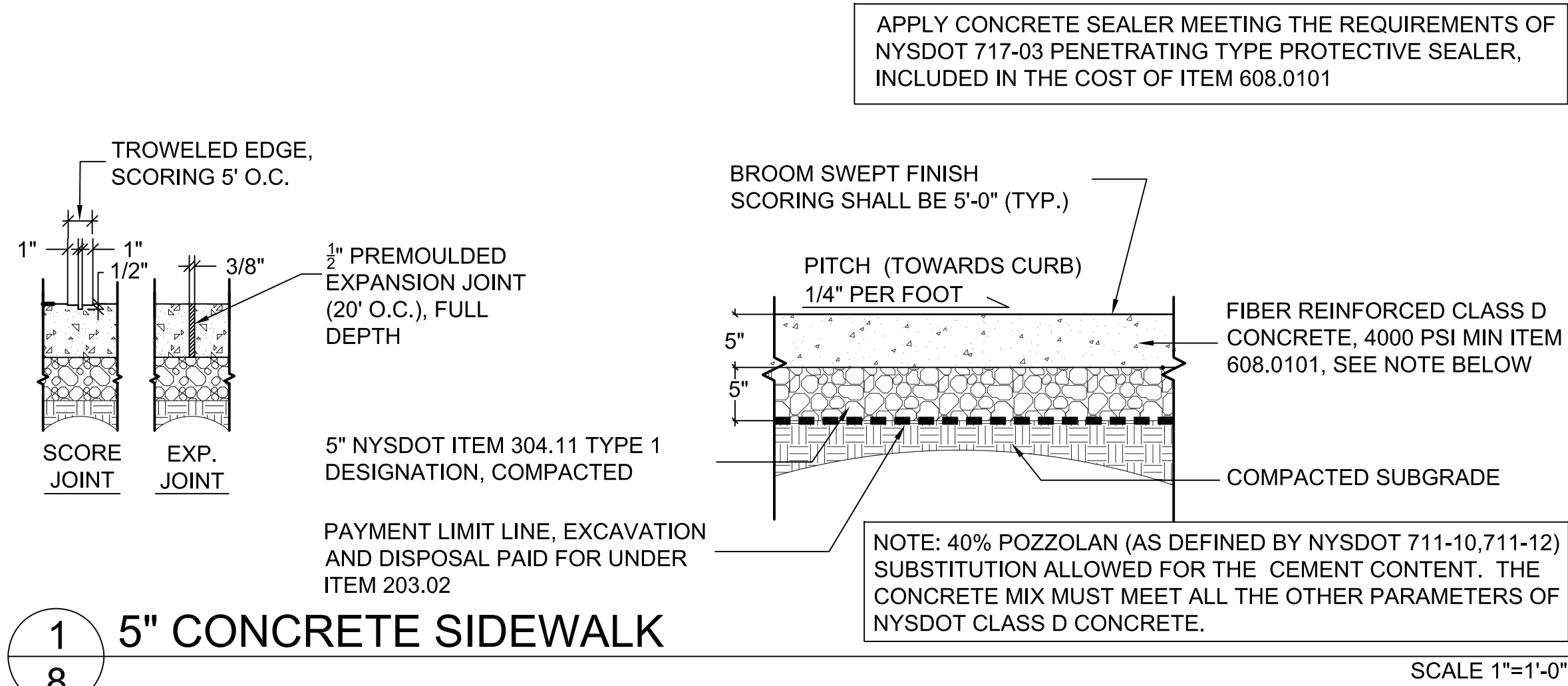
VILLAGE OF HASTINGS ON HUDSON
7 MAPLE AVENUE
HASTINGS, NY 10706

MAIN STREET & WARBURTON AVE.
SIDEWALK IMPROVEMENTS

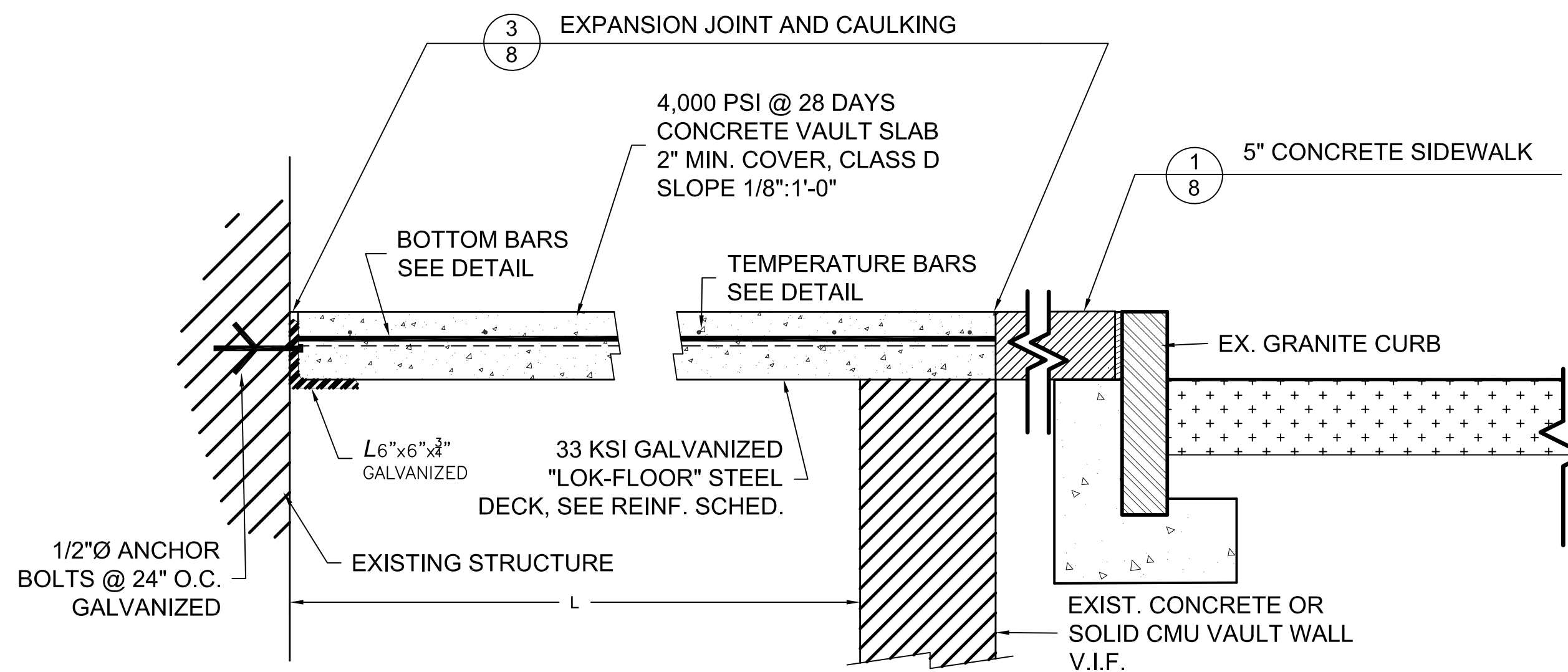
GRADING AND LIGHTING PLAN

SCALE:	1"=10'-0"	SHEET
DATE:	January 4, 2022	
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CROSS SECTION



LONGITUDINAL SECTION (WITHOUT FILL WALL)

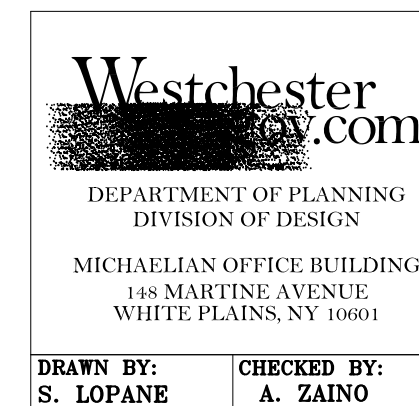
DIMENSIONAL CHART

W	D	A	REINFORCING STEEL	STEEL DECK GAUGE
			WELDED WIRE FABRIC	
4'-0"	0'-5"	0'-1.50"	6 X 6 -W1.4 X W1.4	22GA.
5'-0"	0'-5.50"	0'-2"	6 X 6 -W1.4 X W1.4	22GA.

* REFER TO MANUFACTURER'S SPECIFICATIONS
FOR MAXIMUM UNSHORED CLEAR SPAN



NOT TO SCALE



VILLAGE OF HASTINGS ON HUDSON
7 MAPLE AVENUE
HASTINGS, NY 10706

MAIN STREET & WARBURTON AVE.
SIDEWALK IMPROVEMENTS

PAVEMENT & DRAINAGE DETAILS

SCALE:	AS SHOWN
DATE:	January 4, 2022
DATE	REVISIONS

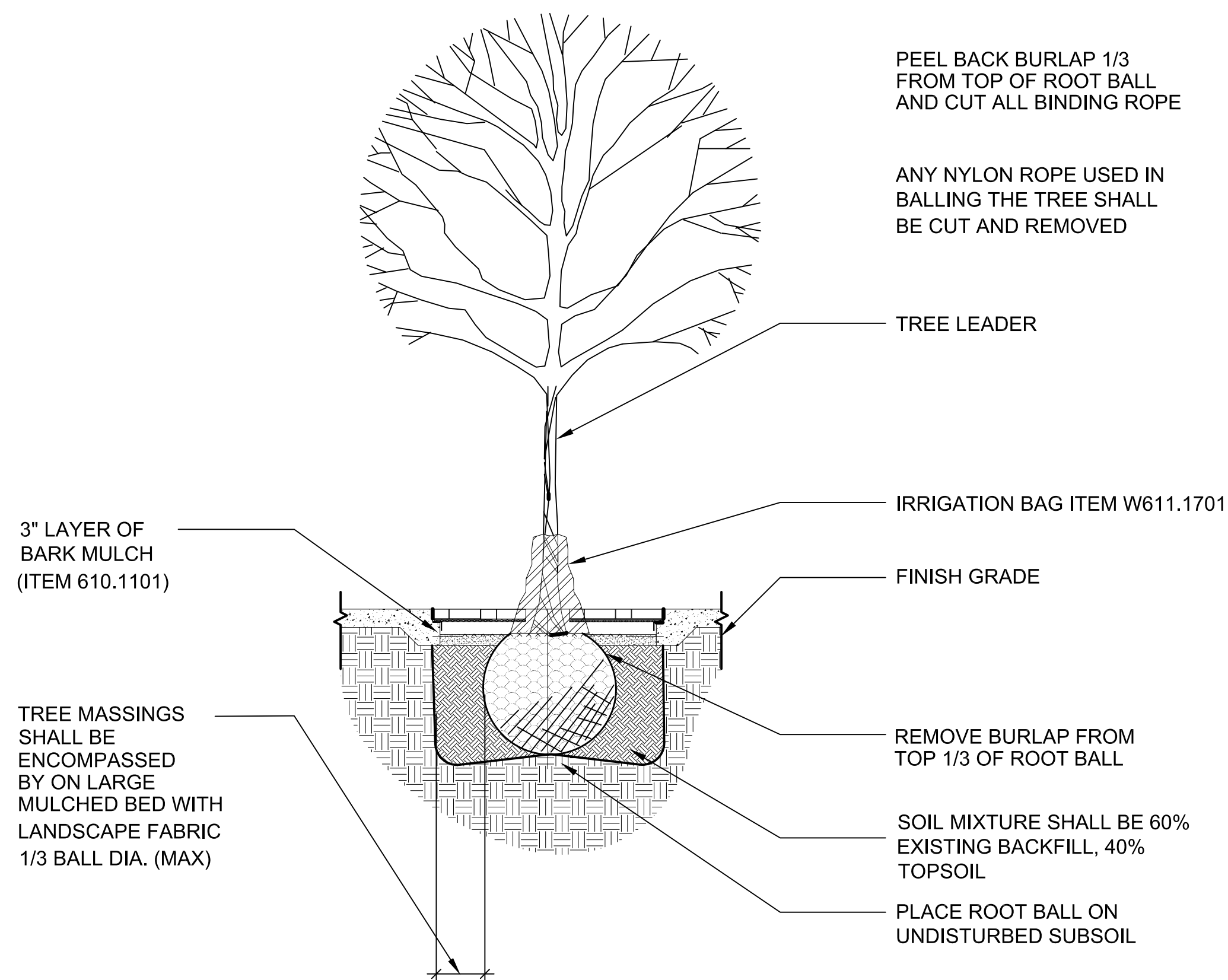
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PLANT SCHEDULE					
Key	Botanical Name	Common Name	Qty.	Size	Comments
AF	Acer x freemanii	Armstrong Maple	4	Min. 3 1/2" cal.	B&B; 15' to 17' ht.
CC	Carpinus caroliniana	American Hornbeam	2	Min. 3 1/2" cal.	B&B; 15' to 17' ht.
QP	Quercus palustris 'Green Pillar'	Green Pillar Pin Oak	4	Min. 3 1/2" cal.	B&B; 15' to 17' ht.

Note: All trees shall have branching starting at 6' and have a fastigate, columnar form.

PLANTING NOTES

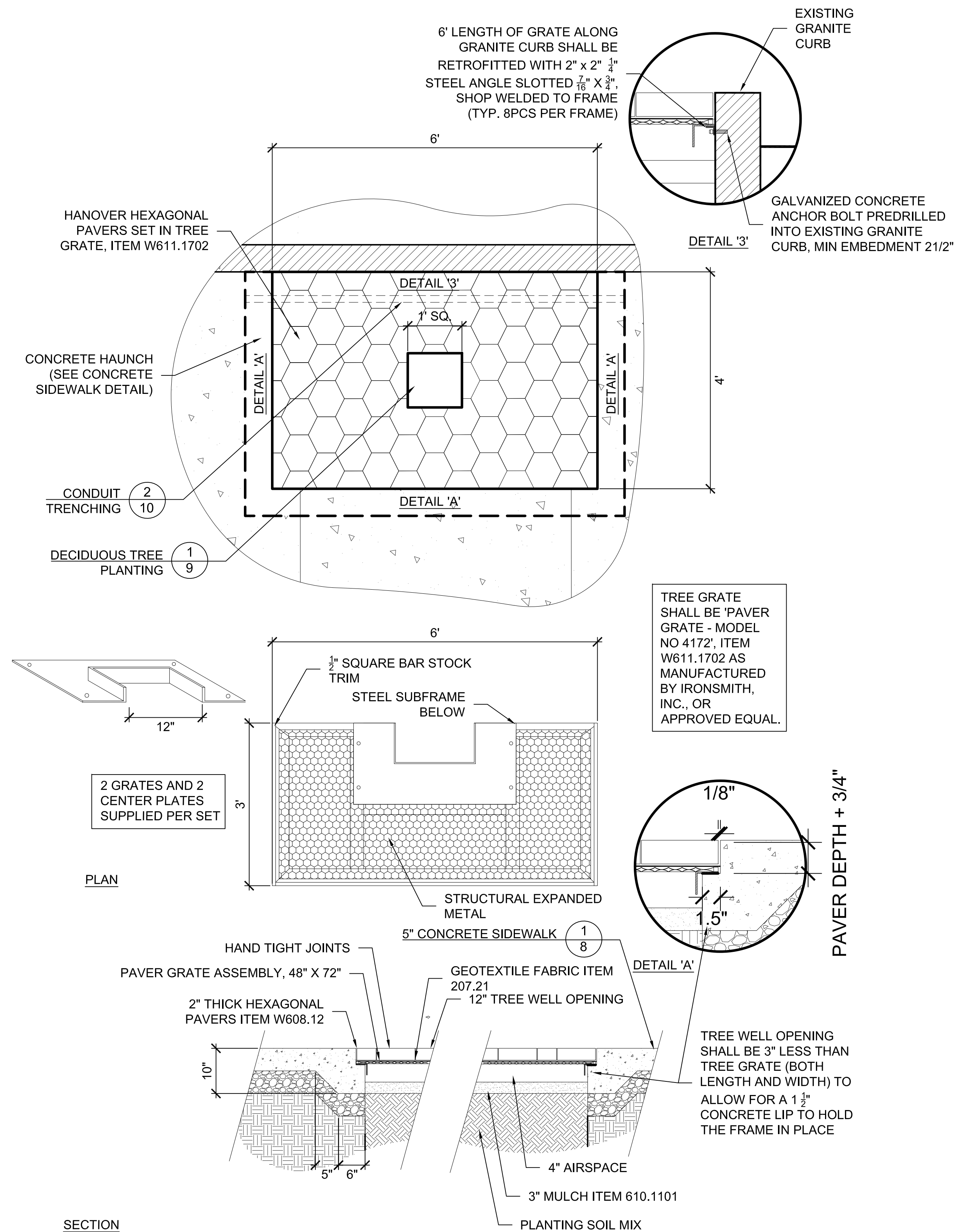
- 1) Any plant substitutions must be approved by the Landscape Architect prior to delivery.
- 2) Concrete or leachate shall not be allowed to escape or be discharged, nor shall washings from transit mix trucks, mixers, or other devices be allowed to enter wetlands and/or other natural areas of the site.
- 3) The contractor shall be responsible for the protection and maintenance of all new plantings including but not limited to all trees, shrubs, ground covers, perennials, annuals, turf establishment, and the establishment of wildflower and native seed mixes until the completion of the whole of this contract and final acceptance by the County. The cost of such protection and maintenance shall be deemed included in the bid price for the respective planting items.



1 DECIDUOUS TREE PLANTING

(ITEM 611.0181)

NOT TO SCALE



SECTION

2 TREE GRATE

SCALE 3/4"=1'-0"

Unauthorized Alterations or Additions to this Drawing is a Violation of Section 7209(2) of the New York State Education Law. This plan is null and void for construction purposes without the signature and seal of the Engineer.

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DEPARTMENT OF PLANNING
DIVISION OF DESIGN

MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE
WHITE PLAINS, NY 10601

DRAWN BY: S. LOPANE	CHECKED BY: A. ZAINO
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VILLAGE OF HASTINGS ON HUDSON
7 MAPLE AVENUE
HASTINGS, NY 10706

MAIN STREET & WARBURTON AVE. SIDEWALK IMPROVEMENTS

PLANTING DETAILS

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