

PROJECT LOCATION

DELAWARE AVENUE HAMLET MULTI-MODAL STREETSCAPE ENHANCEMENTS

P.I.N. 1759.68

LOCALLY ADMINISTERED FEDERAL AID PROJECT
116 SHEETS ALBANY COUNTY

THE LATEST REVISIONS OF THE STANDARD SHEETS MAINTAINED BY THE DEPARTMENT, WHICH ARE CURRENT ON THE DATE OF ADVERTISEMENT FOR BIDS, SHALL BE CONSIDERED TO BE IN EFFECT. ALL PAY ITEMS AND WORK CONTAINED IN THE CONTRACT AND ANY ADDITIONAL PAY ITEMS AND WORK ENCOUNTERED DURING THE COURSE OF THE CONTRACT SHALL BE SUBJECT TO THE APPLICABLE STANDARD SHEET(S) UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.

ALL WORK CONTEMPLATED UNDER THIS CONTRACT IS TO BE COVERED BY AND IN CONFORMITY WITH THE STANDARD SPECIFICATIONS (AS CUSTOMARY) REFERENCED IN THE CONTRACT PROJECT "PROPOSAL" EXCEPT AS MODIFIED BY THESE PLANS OR BY CHANGES SET FORTH IN THE CONTRACT PROJECT "PROPOSAL."

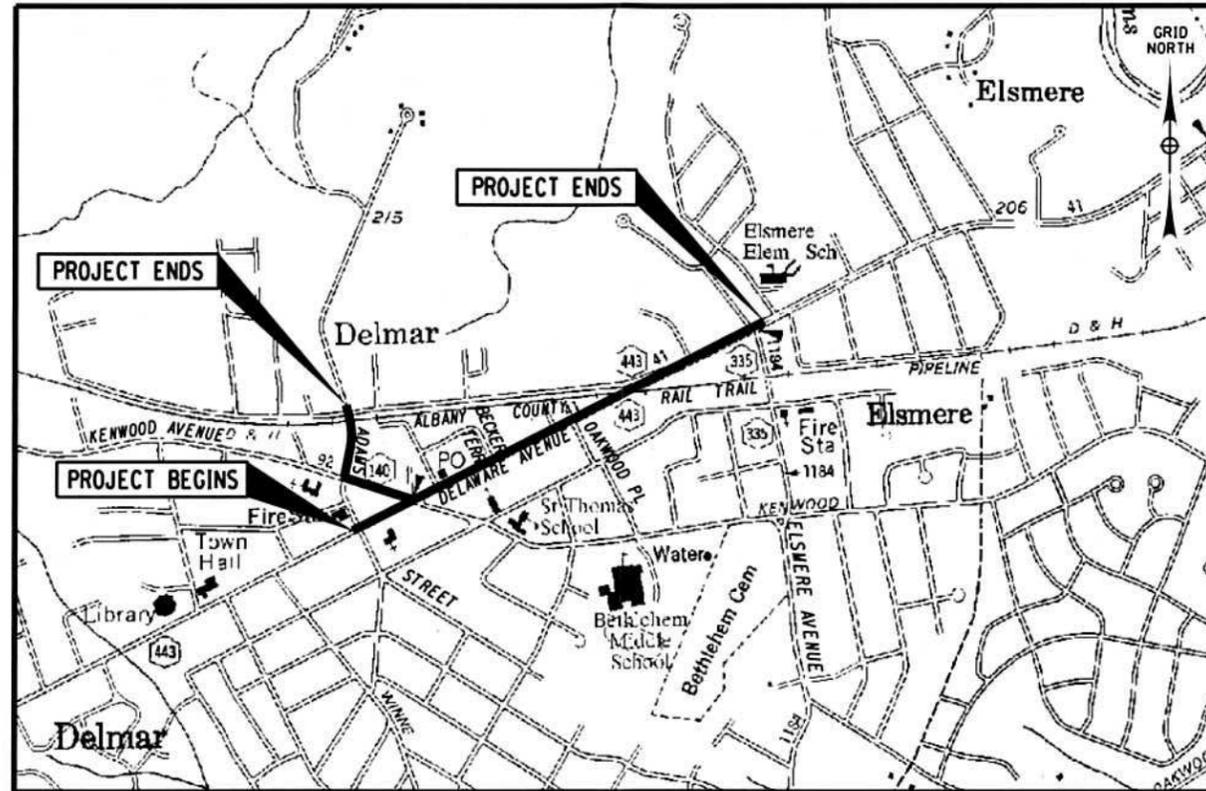
CONTRACT PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH NYSOT POLICIES AND GUIDELINES AND THE FINAL DESIGN REPORT APPROVED ON 08/24/2016

PROJECT LOCATION:

THE PROPOSED PROJECT IS LOCATED IN THE TOWN OF BETHLEHEM IN ALBANY COUNTY. IT BEGINS ON DELAWARE AVENUE AT THE INTERSECTION WITH ADAMS STREET AND EXTENDS NORTHEAST 0.75 MILES TO THE INTERSECTION WITH ELSMERE AVENUE AND GROESBECK PLACE IN BETHLEHEM. IT ALSO INCLUDES KENWOOD AVENUE FROM THE INTERSECTION WITH ADAMS STREET EXTENDING TO A POINT 0.07 MILES EAST AND ADAMS STREET FROM THE INTERSECTION WITH KENWOOD AVENUE EXTENDING 0.11 MILES NORTHERLY TO THE INTERSECTION WITH HUDSON AVENUE.

WORK DESCRIPTION

- MILL AND INLAY OF DELAWARE AVENUE AND ADAMS STREET
- CONSTRUCTION OF MAINTENANCE STRIP
- STREETSCAPING AND LANDSCAPING
- CONSTRUCTION OF PARKING LANES AND BULB OUTS
- RECONSTRUCTION OF SIDEWALKS AND ADA COMPLIANT RAMPS
- NEW STRIPING AND SIGNAGE
- DRAINAGE IMPROVEMENTS
- LIGHTING IMPROVEMENTS
- WATERLINE RELOCATION



PROJECT LOCATION
NTS

INDEX ON SHEET 2

DESIGNED BY
Manuel T. Salorio
MANUEL T. SALORIO, P.E.
VICE PRESIDENT
CHA, INC.
N.Y.S. P.E. NO. 076997
DATE 02/21/17

John Clarkson
JOHN CLARKSON
TOWN SUPERVISOR
TOWN OF BETHLEHEM
DATE 2/17/17

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



FEBRUARY 2017

CHA PROJECT NO.: 30792

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Table with 4 columns: No., Submittal / Revision, Appd., Date. Contains a grid for tracking revisions.

PIN 1759.68
DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

LEGEND

Table with 3 columns: Designed By (AMJ), Drawn By (MED), Checked By (MTS); Project No. (30792), Scale (NONE), Plot Date (2/21/2017); Drawing No. (L-2 SHEET 4)

Main legend table with columns: ALIGNMENT, DRAINAGE, ITS, ROW MAPPING, SIGNS, UTILITIES. Includes symbols and descriptions for various engineering features like ACC, ACOGO, ACS, ADPI.P, etc.

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DATE / TIME = 2/21/2017
USER = 4066

- 1. THE LEGEND ILLUSTRATES MAPPING FEATURES (EXISTING AND PROPOSED).
- 2. FEATURES ARE SHOWN AS EITHER LINEAR (ROADWAY GUIDERAIL, ROADWAY SIDEWALK, UTILITY LINES, ETC.) OR POINT (SIGN, UTILITY POLE, ETC.).
- 3. FEATURES SHOWN ON THE LEGEND AS EXISTING FEATURES ALSO HAVE CORRESPONDING PROPOSED FEATURES.
- 4. PROPOSED FEATURE SYMBOLOGY IS IDENTICAL TO EXISTING FEATURE SYMBOLOGY EXCLUDING LINE WEIGHT. LINE WEIGHT FOR PROPOSED FEATURES IS THICKER (0.015 in ON B SIZE DRAWINGS).
- 5. MAPPING FEATURES NOT INCLUDED ON THE LEGEND SHEET DO NOT HAVE A UNIQUE SYMBOLOGY (SUCH AS THE PAVEMENT EDGE, PAVEMENT EDGE OF TRAVEL WAY) AND SHOULD BE LABELED ON THE PLANS.
- 6. FEATURES SHOWN AT THE HEAVIER WEIGHT ARE PROPOSED ONLY AND DO NOT HAVE CORRESPONDING EXISTING FEATURES.



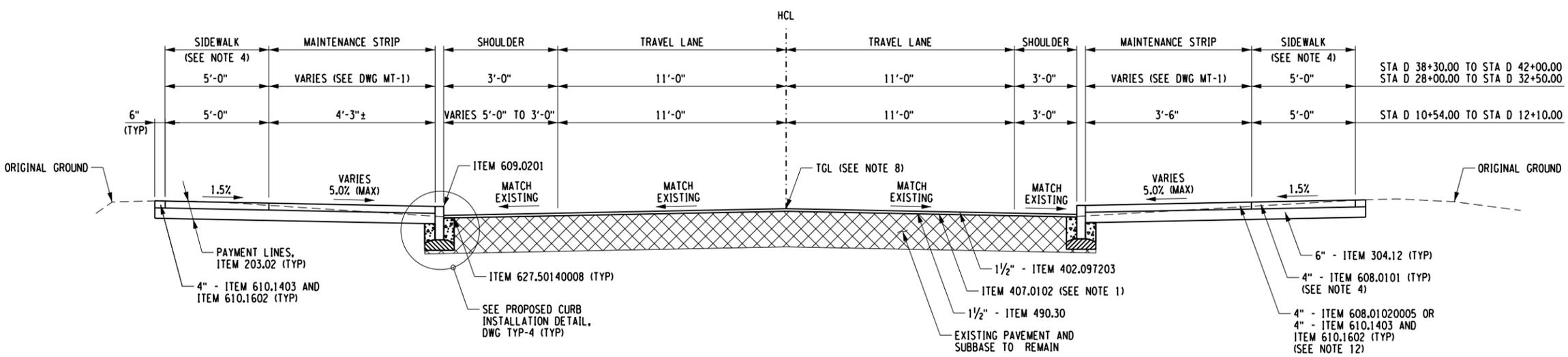
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 TOWN OF BETHLEHEM, ALBANY COUNTY, NY

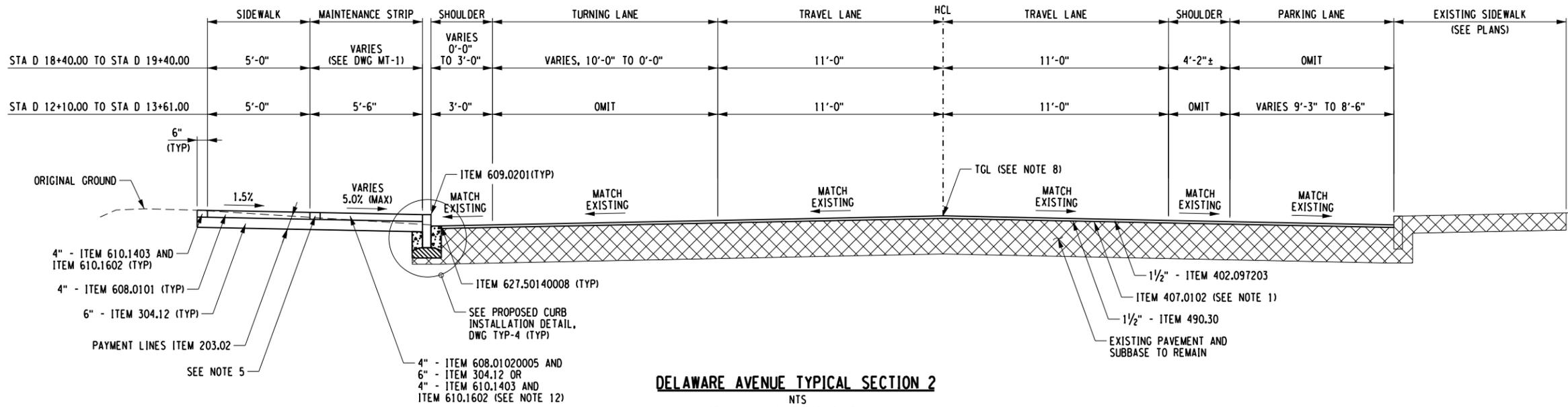
TYPICAL SECTION

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: NTS	TYP-1
Checked By: MTS	Plot Date: 2/21/2017	



DELAWARE AVENUE TYPICAL SECTION 1

NTS
 STA D 10+54.00 TO STA D 12+10.00
 STA D 28+00.00 TO STA D 32+50.00
 STA D 38+30.00 TO STA D 42+00.00



DELAWARE AVENUE TYPICAL SECTION 2

NTS
 STA D 12+10.00 TO STA D 13+61.00
 STA D 18+40.00 TO STA D 19+40.00

ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	609.0201	STONE CURB, GRANITE, (TYPE A)	LF
304.12	SUBBASE COURSE, TYPE 2	CY	610.1403	TOPSOIL - LAWNS	CY
402.097203	9.5 F2 TOP COURSE HMA, 70 SERIES COMPACTION	TON	610.1602	TURF ESTABLISHMENT - LAWNS	SY
407.0102	DILUTED TACK COAT	GAL	627.50140008	CUTTING PAVEMENT	LF
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF			
490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY			
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY			
608.01020005	COLORLED AND IMPRINTED PORTLAND CEMENT CONCRETE SIDEWALK	CY			
608.020102	HOT MIX ASPHALT (HMA) SIDEWALKS, DRIVEWAYS AND BICYCLE PATHS AND VEGETATION CONTROL STRIPS	TON			

NOTES:

- TACK COAT TO BE APPLIED TO CONTACT SURFACES BETWEEN ALL HMA PAVEMENT SURFACES.
- SEE PLANS FOR LOCATIONS OF MAINTENANCE STRIPS AND PARKING LANES.
- SHOULDER WIDTH VARIES LT & RT FROM STA D 23+59.00 TO STA D 25+34.40. SEE PLANS FOR WIDTHS AND TAPER LOCATIONS.
- EXISTING CONCRETE SIDEWALKS IN GOOD CONDITION TO REMAIN AS DETERMINED BY THE ENGINEER. SEE PLANS FOR APPROXIMATE LIMITS OF SIDEWALK TO REMAIN RECONSTRUCTION FROM STA D 30+45.00 TO STA D 50+74.75.
- IN MAINTENANCE STRIPS WITH ITEM 610.1403 AND ITEM 610.1602, SUBBASE SHALL EXTEND 6" BEYOND FRONT OF SIDEWALK.

• CONTINUED ON DWG TYP-2 •

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 USER = AMJ

GENERAL NOTES

- CURRENT NATIONAL MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND NYS SUPPLEMENT SHALL BE IN EFFECT FOR THIS PROJECT.
- ADDITIONAL NOTES MAY BE FOUND ON SUBSEQUENT DRAWINGS. SUCH NOTES, WHILE PERTAINING TO THE SPECIFIC DRAWING THEY ARE PLACED ON, ALSO SUPPLEMENT THE GENERAL NOTES LISTED HEREIN.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT DUE TO THE NATURE OF PAVEMENT REHABILITATION AND STREETSCAPING PROJECTS, THE EXACT EXTENT OF THE WORK CANNOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT. THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITION MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH THE FIELD CONDITIONS AND A.O.B.E.
- THE CONTRACTOR SHALL EXAMINE AND VERIFY IN THE FIELD ALL EXISTING CONDITIONS AND DIMENSIONS WITH THOSE SHOWN ON THE PLANS. IF FIELD CONDITIONS AND DIMENSIONS DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL USE THE FIELD CONDITIONS AND DIMENSIONS, AND MAKE THE APPROPRIATE CHANGES TO THOSE SHOWN ON THE PLANS AS APPROVED BY THE ENGINEER.
- THERE SHALL BE NO CLAIM AGAINST THE TOWN BY THE CONTRACTOR FOR 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. THE CONTRACTOR 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 INDICATED IN THE CONTRACT.
- AT ALL TIMES, THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE OF SURFACE RUNOFF FROM THE TRAVEL LANES AND CONTROL OF THE RUNOFF TO PREVENT EROSION, POLLUTION, SEDIMENTATION OR OTHER DISCHARGES WHICH WOULD AFFECT PROPERTIES ADJACENT TO THE WORK SITE. ALL MEASURES TAKEN TO PROVIDE POSITIVE DRAINAGE SHALL BE APPROVED BY THE ENGINEER PRIOR TO IMPLEMENTATION. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR VARIOUS ITEMS IN THE CONTRACT.
- THE CONTRACTOR SHOULD NOTE THAT ADDITIONAL WORK MAY BE REQUIRED AS THE CONTRACT PROGRESSES WHICH IS NOT SHOWN OR NOTED ON THE PLANS. THIS WORK SHALL BE PERFORMED BY THE CONTRACTOR AS ORDERED BY THE ENGINEER AND PAYMENT SHALL BE MADE AT THE BID PRICE FOR THE APPROPRIATE ITEMS.
- NO PAYMENT SHALL BE MADE FOR WORK CALLED FOR BY NOTES ON THE PLANS, IN THE SPECIFICATIONS, OR UNDER THE HEADING GENERAL NOTES UNLESS PAYMENT IS SPECIFICALLY INDICATED BY ITEM NUMBER. THE COST OF WORK FOR WHICH NO PAYMENT IS INDICATED SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE VARIOUS ITEMS IN THE CONTRACT.
- WHENEVER ITEMS IN THE CONTRACT REQUIRE MATERIALS TO BE REMOVED AND DISPOSED, THE COST OF SUPPLYING A DISPOSAL AREA AND TRANSPORTATION TO THAT AREA AND SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INCLUDED IN THE PRICE BID FOR THOSE ITEMS.
- THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SUPPORTS, BRACING OR OTHER DEVICES THAT MAY BE REQUIRED OR THAT MAY BE DIRECTED BY THE ENGINEER TO PROTECT THE SAFETY OF ADJACENT STRUCTURES, ROADWAYS OR THE VARIOUS ITEMS IN THE CONTRACT. NO SEPARATE PAYMENT SHALL BE MADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR GUARDING AND PROTECTING ALL OPEN EXCAVATION IN ACCORDANCE WITH THE PROVISION OF SECTION 107.05 "SAFETY & HEALTH REQUIREMENTS" OF THE NYS DOT STANDARD SPECIFICATIONS. IN ADDITION, A MINIMUM OF 1-INCH THICK PLATE WILL BE REQUIRED AT ALL EXCAVATIONS THAT ARE TO BE COVERED (AOBE). THE PLATES SHALL BE SECURELY FASTENED DOWN TO THE SATISFACTION OF THE ENGINEER AND SHALL BE STRUCTURALLY CAPABLE OF CARRYING ALL IMPOSED LOADS. THE COST SHALL BE INCLUDED UNDER VARIOUS ITEMS IN THE CONTRACT.
- THE CONTRACTOR SHALL KEEP ALL DRAINAGE FACILITIES, WITHIN THE CONTRACT LIMITS, CLEAN AND FULLY OPERATIONAL AT ALL TIMES. THIS WORK SHALL BE INCLUDED UNDER VARIOUS ITEMS IN THE CONTRACT.
- THE CONTRACTOR SHALL PROVIDE SURVEY AND STAKEOUT AS REQUIRED AND IN ACCORDANCE WITH SECTION 625 OF THE STANDARD SPECIFICATIONS. COST FOR THIS WORK SHALL BE INCLUDED UNDER ITEM 625.01 - SURVEY OPERATIONS.
- THE CONTRACTOR SHOULD VISIT THE SITE BEFORE BIDDING TO BECOME FAMILIAR WITH THE PRESENT CONDITIONS AND TO JUDGE THE EXTENT AND NATURE OF THE WORK TO BE DONE UNDER THIS CONTRACT. NO EXTRA COMPENSATION WILL BE ALLOWED BECAUSE OF FAILURE TO INCLUDE IN THE BID ALL ITEMS AND MATERIALS WHICH ARE REQUIRED TO BE FURNISHED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- IF THE ENGINEER NOTIFIES THE CONTRACTOR OF ANY HAZARDOUS CONSTRUCTION PRACTICES, ALL OPERATIONS IN THE AFFECTED AREA SHALL BE DISCONTINUED AND IMMEDIATE ACTIONS SHALL BE TAKEN TO CORRECT THE SITUATION TO THE SATISFACTION OF THE ENGINEER BEFORE WORK IS RESUMED.
- THE CONTRACTOR SHALL BE REQUIRED TO PROTECT HIS WORKERS AT ALL TIMES IN CONFORMANCE WITH APPLICABLE OSHA REGULATIONS.
- WATERING NEEDED FOR VEGETATION AND OTHER LANDSCAPING ITEMS SHALL BE INCLUDED UNDER EACH RESPECTIVE ITEM IN THE CONTRACT.
- CONTRACT LIMITS FOR THIS PROJECT, INCLUDING ALL INTERSECTING ROADWAYS THAT CONTAIN CONSTRUCTION SIGNAGE, SHALL BEGIN 100 FT PRIOR TO THE FIRST CONSTRUCTION SIGN.

UTILITY NOTES

- LOCATION OF UTILITIES, PUBLIC AND/OR PRIVATE, INDICATED ON THE PLANS AS EXISTING AND/OR TO BE CONSTRUCTED ARE APPROXIMATE ONLY. THEIR EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD. ADDITIONAL UTILITY LINES, WHETHER ABANDONED OR IN SERVICE, MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT HIS OPERATIONS AND TAKE NECESSARY PRECAUTIONS SUCH THAT INTERFERENCE WITH OR DAMAGE TO THESE OR OTHER FACILITIES DURING THE COURSE OF CONSTRUCTION IS PREVENTED. PRIOR TO ANY EXCAVATION, THE CONTRACTOR IS TO CALL DIG SAFELY NEW YORK TO HAVE UNDERGROUND UTILITIES LOCATED, 1-800-962-7962. CONTRACTOR SHALL BE RESPONSIBLE TO CONDUCT EXPLORATORY TEST PITS AS MAY BE REQUIRED TO DETERMINE UNDERGROUND CONDITIONS, THE COST OF WHICH SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 206.05 - TEST PITS. A QUANTITY OF 6 TEST PITS HAS BEEN INCLUDED IN THE CONTRACT.
- IN THE EVENT THE CONTRACTOR DAMAGES AN EXISTING UTILITY SERVICE, CAUSING THE INTERRUPTION IN SAID SERVICE, THE CONTRACTOR SHALL IMMEDIATELY COMMENCE WORK TO RESTORE SERVICE AND MAY NOT CEASE WORK UNTIL SERVICE IS RESTORED. ALL COSTS TO REPAIR OR REPLACE DAMAGED UTILITIES SHALL BE AT THE EXPENSE OF THE CONTRACTOR. IF THE CONTRACTOR DOES NOT MAKE IMMEDIATE NECESSARY REPAIRS, THE RESPECTIVE OWNING COMPANIES OR MUNICIPAL FORCES MAY DO THE WORK, AND THE COST THEREOF CHARGED AGAINST THE CONTRACTOR.
- THE CONTRACTOR SHALL MAKE EXPLORATIONS AS MAY BE NECESSARY TO DETERMINE THE DIMENSIONS AND LOCATIONS OF LINES THAT MAY BE SUBJECT TO DAMAGE. COST TO BE INCLUDED UNDER VARIOUS ITEMS IN THE CONTRACT.
- PRIVATE UTILITY COMPANIES ARE ALSO REQUIRED TO ALTER/RELOCATE THEIR FACILITIES WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL LAY OUT THE PROJECT CENTERLINE AND OTHER FEATURES TO PROVIDE THE UTILITY COMPANIES WITH SUFFICIENT INFORMATION TO ALTER/RELOCATE THEIR FACILITIES. THE COST OF THIS WORK SHALL BE INCLUDED UNDER ITEM 625.01. ALTERATIONS/RELOCATIONS OF UTILITIES MAY NOT ALL BE SHOWN IN THE CONTRACT PLANS. ADDITIONAL ALTERATIONS/RELOCATIONS MAY BE REQUIRED BY THEIR RESPECTIVE OWNERS.
- FOUR SEPARATE QUALITY LEVELS OF SUBSURFACE UTILITY FACILITY INFORMATION ARE GENERALLY RECOGNIZED AND ARE AS FOLLOWS:
 - QUALITY LEVEL A (QLA): QUALITY LEVEL A IS THE HIGHEST DEGREE OF ACCURACY. THE INFORMATION SHOWN ON THE PLANS HAS BEEN OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITY FACILITIES) OF SUBSURFACE UTILITIES, USING (TYPICALLY) MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO DETERMINE THEIR PRECISE HORIZONTAL AND VERTICAL POSITIONS, AS WELL AS THEIR OTHER UTILITY FACILITY ATTRIBUTES. (SHOWN AS QLA)
 - QUALITY LEVEL B (QLB): QUALITY LEVEL B IS THE SECOND HIGHEST DEGREE OF ACCURACY. THE INFORMATION SHOWN ON THE PLANS HAS BEEN OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS (I.E., UNDERGROUND CAMERAS, RADAR, SONAR, TONE OUTS, ETC.) TO IDENTIFY THE EXISTENCE AND APPROPRIATE HORIZONTAL POSITION OF SUBSURFACE UTILITY FACILITIES. QUALITY LEVEL B DATA ARE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THE INFORMATION WAS SURVEYED TO APPLICABLE TOLERANCES AND REDUCED ONTO THE PLANS. NO EXCAVATIONS WERE PERFORMED. (SHOWN AS QLB)
 - QUALITY LEVEL C (QLC): QUALITY LEVEL C IS THE THIRD HIGHEST DEGREE OF ACCURACY. THE INFORMATION SHOWN ON THE PLANS HAS BEEN OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION. (SHOWN AS QLC)
 - QUALITY LEVEL D (QLD): QUALITY LEVEL D IS THE LOWEST DEGREE OF ACCURACY. THE INFORMATION SHOWN ON THE PLANS WAS DERIVED SOLELY FROM EXISTING NYS DOT AND/OR UTILITY COMPANY RECORDS OR RECOLLECTIONS. (SHOWN AS QLD)
- THE QUALITY OF UNDERGROUND UTILITY FACILITY INFORMATION SHOWN IN THE PLANS IS QUALITY LEVEL C.
- THE CONTRACTOR SHALL PROTECT ALL UNDERGROUND UTILITIES TO REMAIN IN PLACE FROM DAMAGE DURING CONSTRUCTION. METHODS OF PROTECTION MAY INCLUDE STEEL PLATES OVER THE UTILITY SO THAT WHEEL LOADINGS FROM CONSTRUCTION VEHICLES DO NOT DAMAGE THE UTILITY. THE COST OF PROVIDING PROTECTION OF UNDERGROUND UTILITIES SHALL BE INCLUDED UNDER VARIOUS ITEMS IN THE CONTRACT.

RIGHT-OF-WAY NOTES

- ALL WORK TO BE PERFORMED UNDER THIS CONTRACT WILL BE WITHIN THE PUBLIC RIGHT-OF-WAY (ROW) IN ACCORDANCE WITH SECTION 105-15 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR IS TO ASSURE HIMSELF THAT ALL WORK IS BEING PERFORMED WITHIN THE ROW, INCLUDING BUT NOT LIMITED TO VEHICLE ACCESS; STORAGE OF EQUIPMENT, MATERIALS, DEBRIS AND WASTE; LANDSCAPING; VEGETATION REMOVAL AND MANAGEMENT; GRADING, SEEDING AND THE INSTALLATION OF TURF; AND THE INSTALLATION OF ANY FENCES OR PROTECTIVE BARRIER.
- IN ACCORDANCE WITH SECTION 107-13 OF THE STANDARD SPECIFICATIONS, RELEASES FOR ANY NON-ESSENTIAL CONTRACT WORK OUTSIDE OF THE EXISTING RIGHTS-OF-WAY, INCLUDING PLANTINGS, LANDSCAPING OR DRIVEWAY ENHANCEMENT, WILL BE PROVIDED BY THE PROJECT ENGINEER AND IN NO INSTANCE ARE TO BE SECURED BY THE CONTRACTOR. THE CONTRACTOR SHALL NOT INVADE UPON PRIVATE PROPERTIES, LANDS OR BUILDINGS OUTSIDE OF THE RIGHTS-OF-WAY FOR ANY REASON WITHOUT FIRST SECURING WRITTEN PERMISSION FROM THE PROPERTY OWNER (STANDARD SPECIFICATIONS SECTIONS 105-15, 107-13).
- THE CONTRACTOR WILL BE HELD LIABLE FOR ANY DAMAGES DONE. ANY SUCH INJURIES OR DAMAGES SHALL BE SATISFACTORILY REPAIRED OR ITEMS REPLACED AT THE CONTRACTOR'S EXPENSE (STANDARD SPECIFICATIONS SECTION 107-08 AND 107-13).

DAMAGE TO EXISTING STRUCTURES OR VEGETATION/SHRUBS

- NUMEROUS STRUCTURES AND VEGETATION/SHRUBS ARE PRESENT WITHIN THE PROJECT LIMITS AND ARE TO REMAIN IN PLACE. THE CONTRACTOR SHALL TAKE EXTRA PRECAUTIONS NOT TO DAMAGE THESE ITEMS. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ALL DAMAGE CAUSED BY HIS OPERATIONS TO THE EXISTING STRUCTURES OR MATERIALS WHICH ARE NOT INCLUDED AS PART OF THE INTENDED WORK. ALL DAMAGE TO THE EXISTING STRUCTURES OR MATERIALS WHICH ARE NOT PART OF THE INTENDED WORK SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR WITHOUT COST TO THE VILLAGE AND TO THE SATISFACTION OF THE ENGINEER.

TIME OF YEAR CUTTING RESTRICTIONS FOR INDIANA BAT AND NORTHERN LONG EARED BAT

- IN ORDER TO PREVENT INDIRECT TAKINGS OF INDIANA BAT (MYOTIS SODALIS), A FEDERAL AND STATE LISTED ENDANGERED SPECIES AND NORTHERN LONG-EARED BAT (MYOTIS SEPTENTRIONALIS), A PROPOSED FEDERAL LISTED ENDANGERED SPECIES, THE CONTRACTOR'S ATTENTION IS HEREBY DIRECTED TO THE FACT THAT TREE CUTTING SHALL ONLY BE PERFORMED AFTER OCTOBER 31 AND BEFORE MARCH 31. TIME OF YEAR TREE CUTTING RESTRICTIONS APPLY TO TREES THAT ARE 3 INCHES OR GREATER DIAMETER AT BREAST HEIGHT (DBH).

CONTAMINATED SOILS

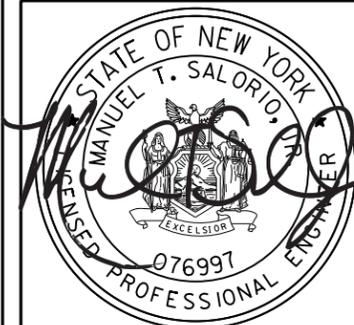
- THE POTENTIAL FOR ENCOUNTERING PETROLEUM CONTAMINATED SOILS WAS IDENTIFIED AT THE FOLLOWING LOCATIONS

- 257 DELAWARE AVENUE
- 308 DELAWARE AVENUE
- 309 DELAWARE AVENUE
- 317 DELAWARE AVENUE
- 325-329 DELAWARE AVENUE
- 377 DELAWARE AVENUE

SHOULD EVIDENCE OF CONTAMINATED SOILS BE FOUND, THE CONTRACTOR SHALL ONLY BE RESPONSIBLE FOR EXCAVATION AND DISPOSAL OF PETROLEUM-BASED SOILS ENCOUNTERED DURING THE COURSE OF THE NORMAL REQUIRED EXCAVATION FOR THE PROJECT WORK ITEMS. EXCAVATION OF PETROLEUM - CONTAMINATED SOILS BEYOND THE DESIGNATED PAYMENT LINES AS INDICATED ELSEWHERE IN THE CONTRACT PLANS SHALL BE DONE AT THE CONTRACTORS EXPENSE, UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER. THIS WORK SHALL BE PERFORMED UNDER THE FOLLOWING CONTRACT ITEMS:

- ITEM 205.0201 - SEGREGATION AND STORAGE OF CONTAMINATED SOIL
- ITEM 205.03 - FIELD ORGANIC VAPOR MONITORING OF CONTAMINATED SOIL
- ITEM 205.0401 - PETROLEUM CONTAMINATION PARAMETER ANALYSIS
- ITEM 205.0403 - LABORATORY ANALYSIS FOR IGNITABILITY
- ITEM 205.0406 - LABORATORY ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS GASOLINE RANGE ORGANICS
- ITEM 205.0407 - LABORATORY ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS DIESEL RANGE ORGANICS
- ITEM 205.050201 - DISPOSAL OF CONTAMINATED NON-HAZARDOUS WASTE SOIL

NOTE: ASSUMED QUANTITIES FOR THESE ABOVE ITEMS HAVE BEEN INCLUDED IN THE ESTIMATE OF QUANTITIES.



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DELAWARE AVENUE HAMLET MULTI-MODAL STREETSCAPE ENHANCEMENTS
 TOWN OF BETHLEHEM, ALBANY COUNTY, NY

GENERAL NOTES

Designed By: AMJ	Project No.: 30792	Drawing No.: GN-1
Drawn By: MED	Scale: NONE	
Checked By: MTS	Plot Date: 2/21/2017	SHEET 9

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 DATE / TIME = 2/21/2017
 USER = 4066

BASIC WORK ZONE TRAFFIC CONTROL NOTES:

A. GENERAL NOTES:

- "MUTCD", AS REFERENCED IN THESE CONTRACT DOCUMENTS, SHALL MEAN THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS - 2009 EDITION; WITH THE CURRENT NEW YORK STATE SUPPLEMENT TO THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
- ALL TRAFFIC CONTROL DEVICES AND SCHEMES USED FOR MAINTENANCE AND PROTECTION OF TRAFFIC SHALL CONFORM TO THE APPLICABLE SPECIFICATIONS AS SET FORTH IN THE MUTCD AND IN SECTION 619, WORK ZONE TRAFFIC CONTROL, OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, AS AMENDED, OR AS AMENDED BY THESE PLANS OR THESE NOTES, AND AS ORDERED BY THE ENGINEER (AOBE).
- IF THE ENGINEER NOTIFIES THE CONTRACTOR OF ANY HAZARDOUS CONDITION OR PRACTICE, ALL OPERATIONS IN THAT AREA SHALL CEASE. IMMEDIATE REMEDIAL ACTION SHALL BE TAKEN TO THE SATISFACTION OF THE ENGINEER BEFORE WORK MAY BE RESUMED.
- THE CONTRACTOR SHALL PROVIDE A FLAGGER AND APPROPRIATE SIGNING WHENEVER OPERATIONS INTERFERE WITH TRAFFIC, AOBE. EXAMPLES INCLUDE, BUT ARE NOT LIMITED TO, DELIVERING OR REMOVING MATERIALS, LIFTING OPERATIONS, DIRECTING DRIVEWAY OR CROSS STREET TRAFFIC, AND ANY ACTIVITIES AS ORDERED BY THE ENGINEER. THE SOLE DUTY OF ANY SUCH FLAGGERS SHALL BE TO DIRECT TRAFFIC PROPERLY AT ALL TIMES. THESE FLAGGERS SHALL BE POSITIONED AOBE WITH THE APPROPRIATE ADVANCE WARNING SIGNS IN PLACE.
- MOST WORK OPERATIONS ARE CONSIDERED TO BE OF LONG DURATION. OPERATIONS DURING WHICH THE EQUIPMENT BEING USED PROGRESSES ALONG THE ROADWAY IN A MORE OR LESS CONTINUOUS MANNER (FOR EXAMPLE, TO SEED AND TO REMOVE OR APPLY PAVEMENT MARKINGS) CAN BE CONSIDERED A MOBILE OPERATION.
- THE TYPICAL DETAILS DEPICTED IN THE WORK ZONE TRAFFIC CONTROL DRAWINGS AND CONSTRUCTION SEQUENCING PLANS REFLECT THE MINIMUM REQUIREMENTS UNLESS OTHERWISE DIRECTED BY THE PLANS, SPECIFICATIONS, AND/OR THE ENGINEER. THE ENGINEER MAY ORDER ADDITIONAL METHODS, DEVICES, OR A COMBINATION THEREOF, TO BETTER MEET ACTUAL FIELD CONDITIONS.
- FOR TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES IN CONSTRUCTION AREAS NOT SPECIFIED IN THE PLANS, THE PROVISIONS OF PART 6 OF THE MUTCD SHALL APPLY. THE APPLICATION OF STANDARDS NOTED HEREIN AND ON THE PLANS IS TO BE CONSIDERED MINIMUM STANDARDS.
- PRIOR TO THE START OF ANY WORK OPERATION, ALL RELATED WORK FOR THE TEMPORARY TRAFFIC CONTROL SHALL BE IN PLACE AND COMPLETE. THIS INCLUDES, BUT IS NOT LIMITED TO, ALL SIGNS, SIGNALS, PAVEMENT DELINEATION, BARRIERS, ROADSIDE DELINEATION (CONES, DRUMS, ETC.), FLAGGERS, PAVEMENT MODIFICATIONS, AND ANY OTHER RELATED WORK AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR MUST SUBMIT TO THE ENGINEER, IN WRITING, ANY REVISIONS PROPOSED TO THE TEMPORARY TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL FIVE (5) WORKING DAYS PRIOR TO THE PLANNED IMPLEMENTATION OF SUCH PROPOSED REVISIONS. PROPOSED REVISIONS THAT ALTER THE BASIC CONCEPT OF THE TRAFFIC CONTROL PLAN MUST BE SUBMITTED TO THE ENGINEER IN WRITING FOR REVIEW AND APPROVAL BY THE TOWN ENGINEER OR DESIGNEE THIRTY (30) WORKING DAYS PRIOR TO THE PLANNED IMPLEMENTATION OF SUCH PROPOSED REVISIONS.
- THE CONTRACTOR SHALL DELINEATE AREAS WHERE THERE IS A DROP-OFF NEAR THE EDGE OF THE TRAVELED WAY AND AREAS ON WHICH IT IS UNSAFE TO TRAVEL. THE PROVISION FOR DELINEATION SHALL BE IN ACCORDANCE WITH SECTION 619-3.02K OF THE NYS DOT STANDARD SPECIFICATIONS - "PAVEMENT EDGE DROP-OFF PROTECTION." THIS SECTION INDICATES MINIMUM DELINEATION REQUIREMENTS. ADDITIONAL DELINEATION MAY BE REQUIRED AS DIRECTED BY THE ENGINEER OR AS SHOWN ON THE PLANS. PAYMENT FOR ALL DELINEATION AND DROP-OFF PROTECTION SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01, BASIC WORK ZONE TRAFFIC CONTROL.
- THE CONTRACTOR IS REQUIRED TO BACKFILL OR WEDGE ALL EXCAVATED ROADWAY OR SHOULDER AREAS ADJACENT TO TRAVEL LANES THAT ARE OPEN TO TRAFFIC WITHIN THE SAME WORK DAY. BACKFILL OR WEDGES MUST BE CONSTRUCTED ON A 1 ON 4 GRADE OR FLATTER. THE COST OF ALL WORK ASSOCIATED WITH INSTALLING AND REMOVING WEDGE SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01, BASIC WORK ZONE TRAFFIC CONTROL.
- ANY UNEVEN TRANSVERSE PAVEMENT TRANSITIONS (FOR EXAMPLE, THE END OF PAVED OR MILLED SECTIONS) SHALL BE DUAL POSTED WITH "BUMP" (W8-1) SIGNS TO BE LOCATED AS ORDERED BY THE ENGINEER. THE "BUMP" (W8-1) SIGNS SHALL BE PLACED IN ADVANCE OF THE CONDITION, AND A TYPE III BARRICADE WITH A FLASHING BEACON SHALL BE PLACED AT THIS POINT OF NEED. ALL PAVEMENT TRANSITIONS SHALL HAVE NO STEEPER THAN A 1 ON 12 LONGITUDINAL SLOPE AS MEASURED IN THE DIRECTION OF TRAVEL.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF THE EXISTING TRAFFIC SIGNALS FOR THE CONTRACT DURATION. THE COST OF ALL WORK ASSOCIATED WITH MAINTAINING THE EXISTING SIGNALS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.1611, MAINTAIN TRAFFIC SIGNAL EQUIPMENT.
- THE CONTRACTOR SHALL PROVIDE TO THE ENGINEER, IN WRITING, THE NAMES, ADDRESSES, AND TELEPHONE NUMBERS OF THE CONTRACTOR'S STAFF AUTHORIZED TO SECURE LABOR, MATERIALS, AND EQUIPMENT FOR EMERGENCY REPAIRS DURING AND OUTSIDE NORMAL WORKING HOURS.
- THE CONTRACTOR SHALL NOTIFY LOCAL EMERGENCY SERVICES, THE TOWN OF BETHLEHEM, AND CAPITAL DISTRICT TRANSPORTATION AUTHORITY (CDTA), OF ALL TEMPORARY ROAD CLOSURES ONE WEEK PRIOR TO THE PLANNED CLOSURE.

B. WZTC RESTRICTIONS:

- WORK ZONES ON OPPOSITE SIDES OF THE ROAD SHALL NOT OVERLAP. A WORK ZONE IS DEFINED AS THAT AREA IN WHICH TRAFFIC IS RESTRICTED BECAUSE OF CONSTRUCTION ACTIVITIES OR THAT AREA WHICH INVOLVES A DROP-OFF WITHIN 3 FT OF THE EDGE OF PAVEMENT.
- NO MATERIAL IS TO BE STORED WITHIN THE ROADSIDE AREA EXCEPT THAT WHICH IS TO BE PLACED THAT DAY WITH THE APPROVAL OF THE ENGINEER.
- ALL OPERATIONS INCLUDING PAVING, ROLLING, GRADING, SUPPLYING OF MATERIAL AND THE TRAVEL OF SUPERVISORY PERSONNEL THROUGH THE WORK ZONE, AND THE ENTIRE LENGTH OF THE CONTRACT, WILL ALWAYS BE IN THE DIRECTION OF NORMAL TRAFFIC EXCEPT WHERE SPECIFICALLY ALLOWED OTHERWISE BY THE ENGINEER TO PERFORM A PARTICULAR OPERATION.
- THE FOLLOWING WORK HOUR RESTRICTIONS SHALL BE STRICTLY ENFORCED:
 - WEEKDAY WORK HOURS: 7:00 A.M. TO 7:00 P.M.
 - NO NIGHTTIME OR WEEKEND WORK (UNLESS APPROVED BY ENGINEER)
 NO TEMPORARY LANE CLOSURES SHALL BE ALLOWED DURING THE FOLLOWING TIMES:
 - 6:00 A.M. TO 9:00 A.M., AND 3:00 P.M. TO 6:00 P.M., WEEKDAYS.
 - SATURDAY: 9:00 A.M. TO 7:00 P.M.
 - SUNDAY: 9:00 A.M. TO 4:00 P.M.

B. WZTC RESTRICTIONS:

- NO TEMPORARY LANE CLOSURES SHALL BE ALLOWED WHEN EITHER VISIBILITY OR PAVEMENT CONDITION ARE JUDGED TO BE INADEQUATE BY THE ENGINEER.
- "SIDEWALK CLOSED" SIGNS (R9-9) PLACED ON TYPE III BARRICADES WHERE SIDEWALKS ARE CLOSED DUE TO CONSTRUCTION ACTIVITIES. THE SIDEWALK SHALL BE CLOSED ON ONLY ONE BLOCK AT ANY TIME.
- THE CONTRACTORS ATTENTION IS DIRECTION TO THE FACT THAT THE FOLLOWING HOLIDAY WORK RESTRICTIONS ARE APPLICABLE TO THE PROJECT. DURING THESE HOLIDAY PERIODS, THE CONTRACTOR WILL NOT BE ALLOWED TO PERFORM ANY WORK THAT WILL BE DISRUPTIVE TO TRAFFIC, INCLUDING BUT NOT LIMITED TO LANE CLOSURES. LANE CLOSURES WILL NOT BE PERMITTED DURING THE FOLLOWING STATE RECOGNIZED HOLIDAYS:
 - NEW YEARS DAY - JANUARY 1ST
 - MEMORIAL DAY - LAST MONDAY IN MAY
 - INDEPENDENCE DAY - JULY 4TH
 - LABOR DAY - 1ST MONDAY IN SEPTEMBER
 - THANKSGIVING DAY - 4TH THURSDAY IN NOVEMBER
 - CHRISTMAS DAY - DECEMBER 25TH
 LANE CLOSURES SHALL BE SUSPENDED AS FOLLOWS:
 - FRIDAY, SATURDAY, SUNDAY AND MONDAY HOLIDAYS - BEGINNING 6:00 AM THE BUSINESS DAY BEFORE THE HOLIDAY AND ENDING 6:00 AM THE BUSINESS DAY FOLLOWING THE HOLIDAY.
 - TUESDAY HOLIDAYS - BEGINNING 6:00 AM THE FRIDAY BEFORE THE HOLIDAY AND ENDING 6:00 AM THE NEXT BUSINESS DAY.
 - WEDNESDAY HOLIDAYS - BEGINNING 6:00 AM THE TUESDAY BEFORE THE HOLIDAY AND ENDING 6:00 THE NEXT BUSINESS DAY.
 - THURSDAY HOLIDAYS - BEGINNING 6:00 AM THE BUSINESS DAY BEFORE THE HOLIDAY AND ENDING 6:00 AM THE FOLLOWING MONDAY.
- ROADWAYS SUBJECTED TO TRAFFIC LOADS MAY BE MAINTAINED ON SUBBASE GRAVEL (ITEM 304.12) DURING THE WORK WEEK, WHEN APPROVED BY THE ENGINEER, BUT SHALL BE PAVED PRIOR TO WEEKEND SHUTDOWN, HOLIDAYS, EXTENDED SHUTDOWNS AND A.O.B.E.
- THE EASTBOUND DETOUR (AS SHOWN ON DWG WZTC-7) SHALL NOT BE USED PRIOR TO JUNE 26TH OR AFTER SEPTEMBER 1ST, UNLESS OTHERWISE APPROVED BY THE TOWN OF BETHLEHEM. THE WESTBOUND DETOUR (AS SHOWN ON DWG WZTC-6) MAY BE USED AT ANY TIME.

C. WZTC SIGNING AND DEVICES:

- ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE MUTCD. THE LOCATIONS OF THE SIGNS SHOWN ON THE PLANS AND DETAILS MAY BE ADJUSTED BASED ON ACTUAL SIGHT DISTANCE AND OTHER CONSIDERATIONS. THE FINAL LOCATIONS OF SIGNS ARE SUBJECT TO APPROVAL OF THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL TRAFFIC CONTROL DEVICES, BOTH PERMANENT AND TEMPORARY, FOR THE DURATION OF THE CONTRACT. THE CONTRACTOR SHALL ENSURE THAT ALL DEVICES ARE IN PLACE, IN GOOD CONDITION, AND REMAIN CLEAN. THE ENGINEER SHALL BE THE SOLE JUDGE AS TO THE EFFECTIVENESS OF THE CONTRACTOR'S EFFORTS TOWARD THE MAINTENANCE OF TRAFFIC CONTROL DEVICES.
- ANY EXISTING SIGNS, INCLUDING OVERHEAD SIGNS, WHICH ARE IN CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL SHALL BE COVERED, REMOVED, STORED, OR RESET, AOBE. BLANK COVERS USED TO COVER PORTIONS OF EXISTING SIGNS SHALL BE OF A COLOR AND REFLECTORIZED MATERIAL MATCHING THAT OF THE SIGN BEING PARTIALLY COVERED. THE CONTRACTOR SHALL BE LIABLE FOR ANY DAMAGE TO SIGNS CAUSED BY THE METHODS USED TO TEMPORARILY REMOVE, COVER, OR MODIFY SIGN PANELS AND SUPPORTS, AND SHALL BE REQUIRED TO REPAIR OR REPLACE DAMAGED SIGNS AND SUPPORTS TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE TOWN. ALL APPROPRIATE EXISTING SIGNS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND/OR LOCATION UNLESS OTHERWISE REPLACED UNDER THIS CONTRACT.
- WHEN TWO OR MORE WORK AREAS ARE ADJACENT, OVERLAP, OR ARE IN CLOSE PROXIMITY AS DETERMINED BY THE ENGINEER, THE CONTRACTOR SHALL ENSURE THERE ARE NO CONFLICTING SIGNS, AND THAT LANE CONTINUITY IS MAINTAINED THROUGHOUT ALL WORK AREAS.
- SIGNS AT OR NEAR INTERSECTIONS SHALL BE PLACED SO THAT THEY DO NOT OBSTRUCT A MOTORIST'S LINE OF SIGHT.
- IF CONSTRUCTION RELATED TRAFFIC CONGESTION BACKS UP BEYOND THE INSTALLED ADVANCE SIGN SEQUENCE, ADDITIONAL SIGNING PLACED IN ADVANCE OF THE CONGESTION MAY BE REQUIRED BY THE ENGINEER.
- WARNING FLAGS ON SIGNS MAY BE USED TO INCREASE TARGET VALUE AND VISIBILITY OF WORK ZONE SIGNS DURING DAYLIGHT HOURS.
- THE DIMENSIONS OF WORK ZONE TRAFFIC CONTROL SIGNS ARE DESCRIBED IN TABLE 6F-1 OF THE MUTCD. THESE DIMENSIONS MAY BE INCREASED WHENEVER NECESSARY FOR GREATER LEGIBILITY OR EMPHASIS.
- ALL SIGNS, INCLUDING ALL GUIDE SIGNS, SHALL INDICATE THE ACTUAL CONDITIONS AT ALL TIMES. SIGNS SHALL BE COVERED, REPOSITIONED, OR CHANGED IMMEDIATELY AS DIRECTED BY THE ENGINEER. NO SIGN SHALL BE PLACED AT ANY LOCATION WHERE IT COULD BE OBSCURED BY TEMPORARY OR PERMANENT OBJECTS.
- CONSTRUCTION SIGNS SHALL BE LOCATED A MINIMUM OF 2 FT HORIZONTALLY OFF THE EDGE OF THE TRAVEL LANE OR AOBE.
- CONFLICTING PAVEMENT MARKING STRIPES (I.E. EXISTING) SHALL BE REMOVED AS ORDERED BY THE ENGINEER. PAYMENT TO BE MADE UNDER ITEM 619.080102. CONFLICTING PAVEMENT MARKING LETTERS OR SYMBOLS SHALL BE REMOVED AS ORDERED BY THE ENGINEER. PAYMENT TO BE MADE UNDER ITEM 619.080202. THE ENGINEER SHALL BE THE SOLE JUDGE OF THE CONTRACTOR'S EFFORTS TOWARD REMOVAL OF OLD OR CONFLICTING PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL USE INTERIM PAVEMENT MARKINGS FOR THE LONG DURATION MARKING OF LANES. ALL INTERIM PAVEMENT MARKINGS SHALL BE TRAFFIC PAINT (ITEM 619.100101).
- TEMPORARY PAVEMENT MARKINGS SHALL BE USED TO PROVIDE PAVEMENT DELINEATION FOLLOWING PAVING OPERATIONS, PRIOR TO INSTALLATION OF PERMANENT OR INTERIM PAVEMENT MARKINGS. TEMPORARY PAVEMENT MARKINGS SHALL ONLY BE REQUIRED FOR CENTERLINE DELINEATION, OR AS ORDERED BY THE ENGINEER. THE 4 INCH DOUBLE YELLOW STRIPING PATTERN SHALL BE A MINIMUM OF AN 2 FT LONG STRIPE FOLLOWED BY A 20 FT GAP. PAYMENT SHALL BE MADE UNDER ITEM 619.0901 FOR UNDERLYING PAVEMENT COURSES, AND ITEM 619.0903 FOR FINAL PAVEMENT SURFACE.
- THE CONTRACT INCLUDES THE USE OF FOUR (4) PORTABLE VARIABLE MESSAGE SIGN (VMS) PANELS, ITEM 619.110512. THE LOCATIONS OF, AND MESSAGES ON, EACH VMS SHALL BE DETERMINED BY THE ENGINEER AND/OR THE TOWN. THE CONTRACTOR SHALL DOCUMENT THE LOCATION AND MESSAGE FOR EACH VMS DAILY AND SUBMIT WEEKLY LOGS TO THE ENGINEER.
- THE CONTRACTOR SHALL COORDINATE WITH NYS DOT TO MAKE ADJUSTMENTS TO TRAFFIC SIGNAL TIMINGS AND TO DEACTIVATE THE EAST BOUND LEFT-TURN LOOP AT THE INTERSECTION OF ELSMERE AVENUE AND DELAWARE AVENUE DURING STAGE 2.

D. CONSTRUCTION VEHICLES:

- ESCORT VEHICLES EQUIPPED WITH AN APPROVED ROTATING OR FLASHING AMBER WARNING LIGHT OR AN OPERATING ARROW BOARD SHALL BE REQUIRED WHEN TRANSPORTING SLOW MOVING CONSTRUCTION EQUIPMENT ALONG ANY PORTION OF THE ROADWAY THAT IS OPEN TO TRAFFIC.
- ALL VEHICLES THAT WILL MOVE INTO AND OUT OF TRAFFIC AT WORK AREAS SHALL BE EQUIPPED WITH AN APPROVED ROTATING OR FLASHING AMBER WARNING LIGHT THAT SHALL BE MOUNTED SO AS TO BE EASILY SEEN BY APPROACHING TRAFFIC.

E. ACCESS:

- THE COST AND RESPONSIBILITY TO PROVIDE AND MAINTAIN SAFE AND ADEQUATE ACCESS FOR INTERSECTING ROADWAYS, HOMES, AND BUSINESSES, AT ALL TIMES, TO THE SATISFACTION OF THE ENGINEER, SHALL BE INCLUDED UNDER ITEM 619.01.
- ACCESS TO RESIDENTIAL AND COMMERCIAL DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES. UNLESS OTHER AGREEMENTS SUITABLE TO THE PROPERTY OWNERS CAN BE MADE, 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. THE CONTRACTOR SHALL MAINTAIN ACCESS TO COMMERCIAL DRIVEWAYS AT ALL TIMES WHEN A FACILITY IS IN USE. FOR MULTIPLE ACCESS PROPERTIES, ONLY ONE DRIVEWAY MAY BE CLOSED AT ANY ONE TIME. ACCESS SHALL BE RESTORED TO ALL DRIVEWAYS AS SOON AS POSSIBLE, OR AS DIRECTED BY THE ENGINEER.
- SUITABLE RAMPS SHALL BE INSTALLED TO MAINTAIN SMOOTH TRANSITIONS FROM DRIVEWAYS TO AND FROM THE WORK AREA. THE MATERIAL USED SHALL CONSIST OF COMPACTED CRUSHED STONE OR ASPHALT CONCRETE, WHICHEVER IS DEEMED MORE APPROPRIATE FOR THE CIRCUMSTANCE, AOBE. APPROVED TRAFFIC CONTROL DEVICES SHALL BE USED TO DELINEATE THE DRIVEWAY AND TO CONTROL ACCESS DURING NON-WORKING HOURS.

F. BICYCLISTS AND PEDESTRIANS

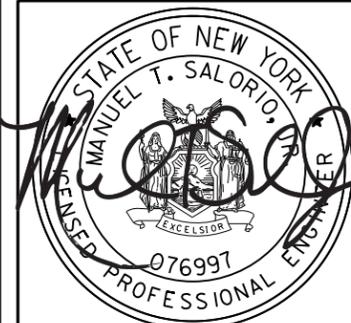
- THE NEEDS AND CONTROL OF ALL ROAD USERS (MOTORISTS, BICYCLISTS, AND PEDESTRIANS) WITHIN THE HIGHWAY, INCLUDING PERSONS WITH DISABILITIES IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT OF 1990 (ADA) TITLE II, PARAGRAPH 35.130) THROUGH A WORK ZONE SHALL BE AN ESSENTIAL PART OF THE HIGHWAY CONSTRUCTION, UTILITY WORK, MAINTENANCE, AND THE MANAGEMENT OF TRAFFIC.
- MAINTAINING PEDESTRIAN TRAFFIC ALONG DELAWARE AVENUE, KENWOOD AVENUE, ADAMS STREET AND SIDE STREETS IS OF THE HIGHEST PRIORITY DURING THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL PROVIDE, DELINEATE, AND MAINTAIN A USABLE TRAVEL PATH FOR PEDESTRIANS, EITHER THROUGH OR AROUND WORK ZONES, FOR THE DURATION OF THIS PROJECT, IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE TRAVEL PATH SHALL COMPLY WITH THE PROVISIONS OF THE ADA GUIDELINES AND NYS HIGHWAY LAW, SECTION 316. THE CONTRACTOR MAY UTILIZE ANY COMBINATION OF THE FOLLOWING TO PROVIDE THE USABLE TRAVEL PATH:
 - A. EXISTING SIDEWALKS AND SHOULDERS
 - B. TEMPORARY SIDEWALKS AND SHOULDERS
 - C. FINAL SIDEWALKS AND SHOULDERS
 - D. EXISTING AND TEMPORARY SIDEWALK CURB RAMPS

THE USABLE TRAVEL PATH SHALL BE CLEARLY MARKED AND STAGED BETWEEN INTERSECTING ROADS TO ENSURE SAFE PEDESTRIAN CROSSING AND ACCESSIBILITY. PEDESTRIAN ACCESS TO RESIDENTIAL AND COMMERCIAL PROPERTIES SHALL BE MAINTAINED FOR THE DURATION OF THIS PROJECT. MATERIALS USED FOR CONSTRUCTION OF ANY TEMPORARY RAMP OR CROSSWALK REQUIRED TO MAINTAIN PEDESTRIAN TRAFFIC SHALL BE APPROVED BY THE ENGINEER AND SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01.

- A 4 FT PEDESTRIAN PATHWAY MUST BE MAINTAINED ON ONE SIDE OF DELAWARE AVENUE AT ALL TIMES, UNLESS SPECIFICALLY STATED OTHERWISE, OR AS APPROVED BY THE ENGINEER. THIS PATHWAY MUST BE ON A FIRM AND STABLE SURFACE, AND MEET THE GUIDELINES ESTABLISHED UNDER ADA. THIS PATHWAY MAY UTILIZE THE EXISTING SIDEWALK AND MAINTENANCE STRIP, PROPOSED SIDEWALK AND MAINTENANCE STRIP, OR A DELINEATED PATHWAY ON THE ROADWAY PAVEMENT. THE CONTRACTOR SHALL ALSO MAINTAIN PEDESTRIAN ACCESS TO HOMES AND COMMERCIAL ESTABLISHMENTS AT ALL TIMES, UNLESS OTHER ARRANGEMENTS ARE SPECIALLY MADE BETWEEN THE CONTRACTOR AND THE RESIDENTS / PROPERTY OWNERS.
- CONSTRUCTION OF NEW SIDEWALKS MAY ONLY BE DONE ON ONE SIDE OF THE STREET AT ANY ONE TIME, AND THE LENGTH OF SIDEWALK CONSTRUCTION SHALL BE LIMITED TO ONE BLOCK IN LENGTH (OR 500 FT MAXIMUM), UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL CONDUCT WORK OPERATIONS TO MINIMIZE THE INTERRUPTION OF PEDESTRIAN TRAFFIC. THE TEMPORARY STORAGE OF CONSTRUCTION EQUIPMENT AND MATERIALS SHALL NOT BE PERMITTED ON ANY USABLE TRAVEL PATH THAT IS OPEN TO PEDESTRIAN TRAFFIC.
- THE INSTALLATION OF TEMPORARY / FINAL SIDEWALKS SHALL BE STAGED SO THAT WORK IS STARTED AND COMPLETED ON ONE SIDE OF THE ROAD PRIOR TO THE START OF WORK ON THE OPPOSITE SIDE OF THE ROAD. WHEN A SECTION OF THE SIDEWALK / USABLE TRAVEL PATH MUST BE CLOSED AND PEDESTRIAN TRAFFIC IS SHIFTED TO THE SIDEWALK / USABLE TRAVEL PATH ON THE OPPOSITE SIDE OF THE ROAD, PEDESTRIANS SHALL BE DIRECTED TO CROSS AT THE NEXT AVAILABLE INTERSECTION OR MID-BLOCK CROSSWALK.

G. COORDINATION WITH UTILITIES

- THE CONTRACTOR SHALL COOPERATE WITH ALL OTHER CONTRACTORS AND UTILITY COMPANIES OCCUPYING THE WORK SITE. THE FOLLOWING UTILITY COMPANIES WILL BE PERFORMING UTILITY RELOCATIONS THROUGHOUT THE PROJECT CORRIDOR:
 - NATIONAL GRID
 - VERIZON
 - TIME WARNER CABLE
 REFER TO SPECIAL NOTE IN THE PROJECT PROPOSAL ENTITLED "COORDINATION WITH THE UTILITY SCHEDULE".



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

No.	Submittal / Revision	Appd.	Date

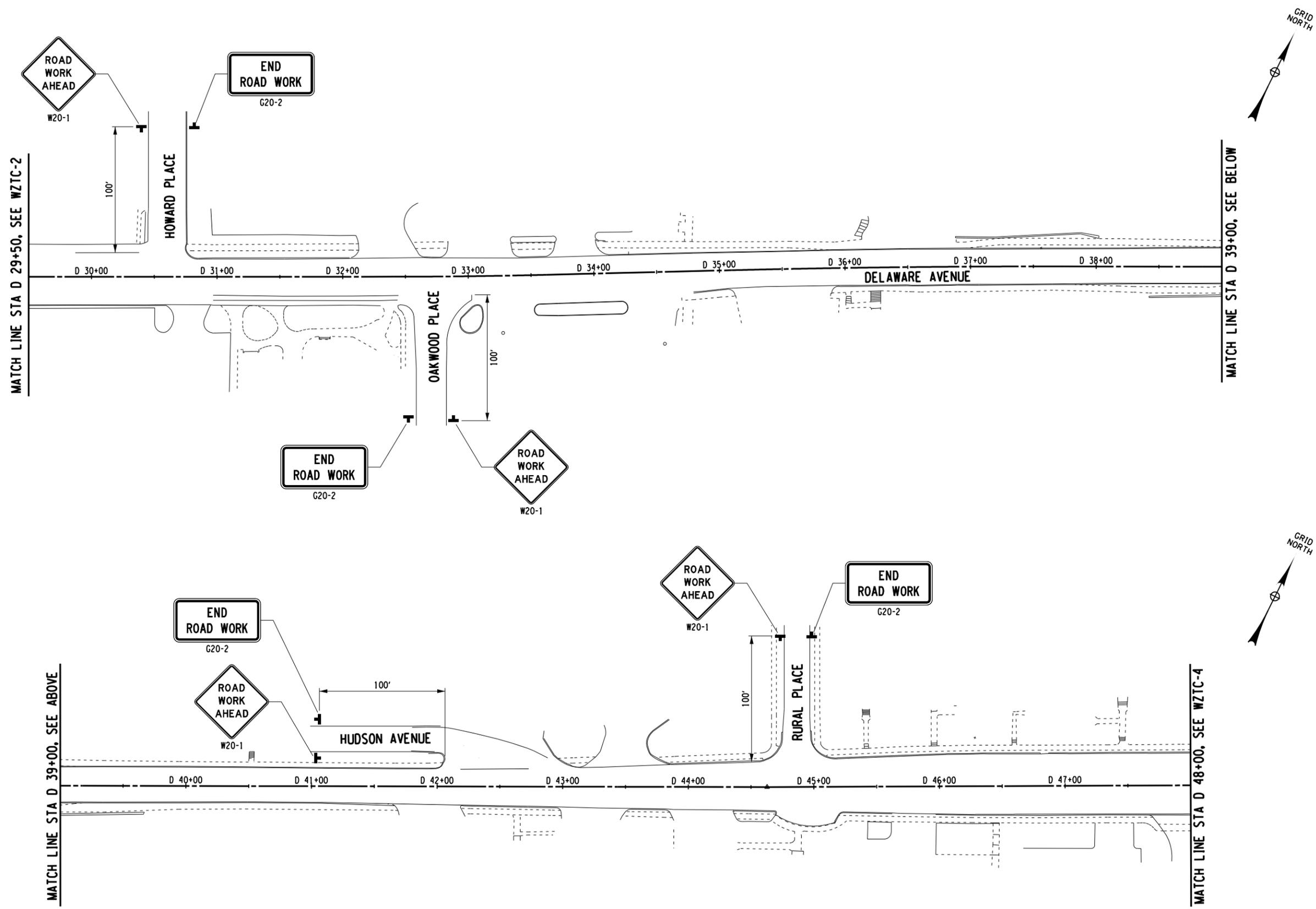
PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
 TOWN OF BETHLEHEM, ALBANY COUNTY, NY

WORK ZONE TRAFFIC CONTROL NOTES

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: NONE	WZTC-1
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 10

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 DATE/TIME = 2/21/2017
 USER = 4066



ADVANCED SIGNING PLAN
 NTS



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

No.	Submittal / Revision	Appd.	Date

PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
 TOWN OF BETHLEHEM, ALBANY COUNTY, NY

WORK ZONE TRAFFIC CONTROL

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: NONE	WZTC-3
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 12



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

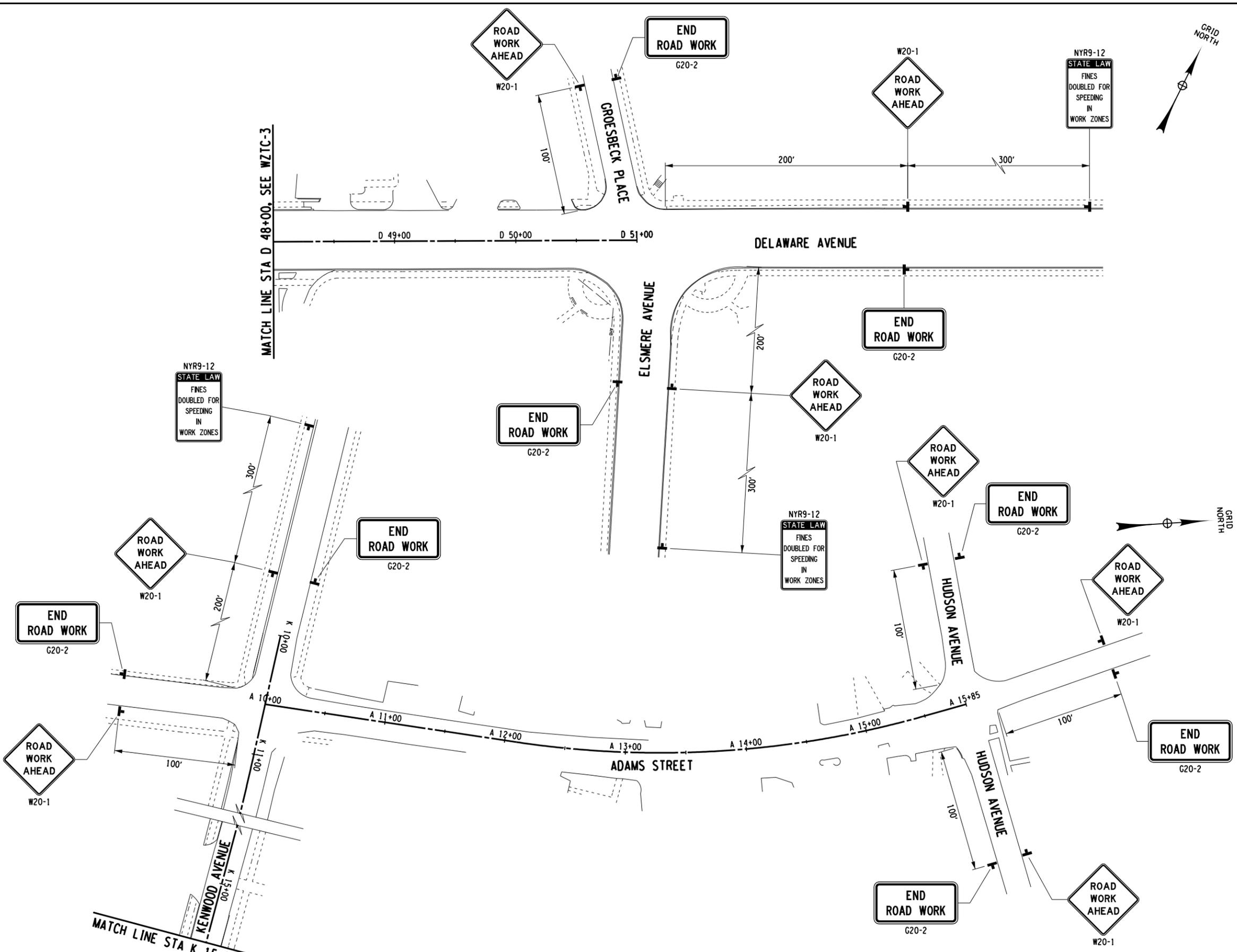
No.	Submittal / Revision	Appd.	Date

PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
TOWN OF BETHLEHEM, ALBANY COUNTY, NY

WORK ZONE TRAFFIC CONTROL

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: NONE	WZTC-4
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 13

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DATE/TIME = 2/21/2017
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ADVANCED SIGNING PLAN
NTS

MATCH LINE STA K 15+50, SEE WZTC-2

MATCH LINE STA D 48+00, SEE WZTC-3



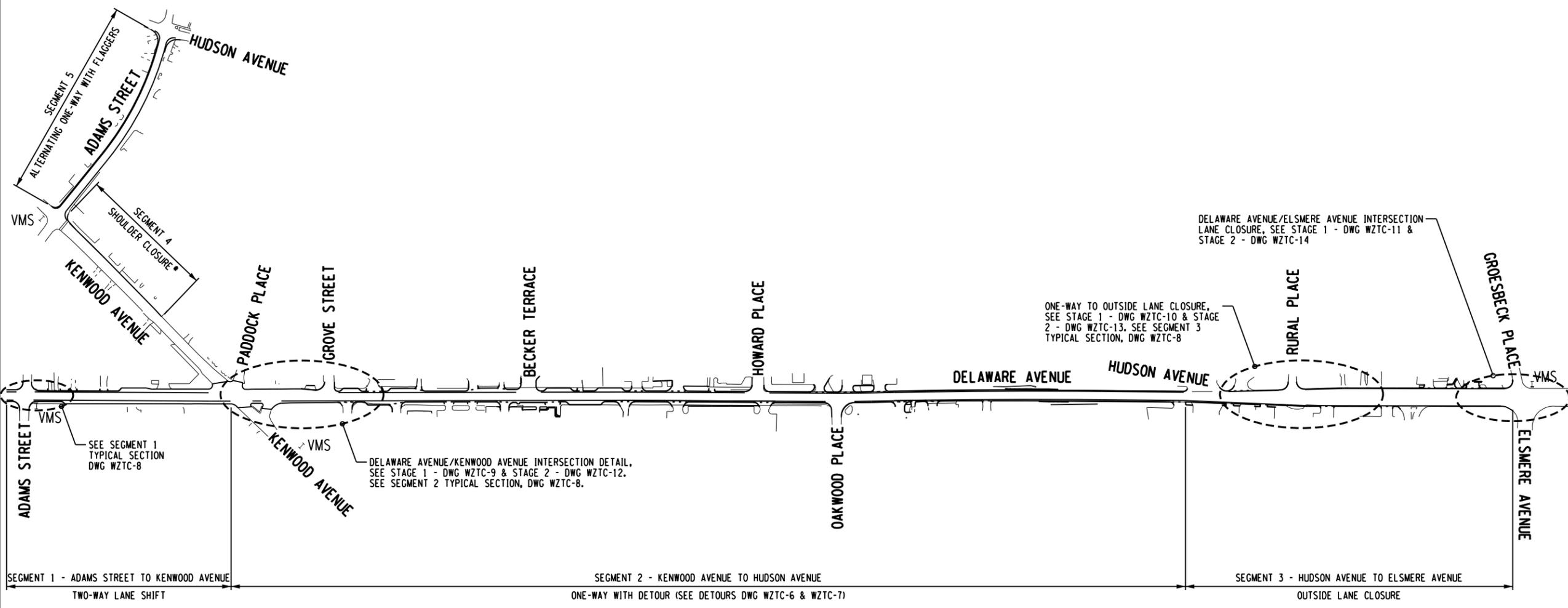
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No.	Submittal / Revision	Appd.	Date

PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

WORK ZONE TRAFFIC CONTROL

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: NONE	WZTC-5
Checked By: MTS	Plot Date: 2/21/2017	



WZTC SEGMENT DETAIL NTS

* CONTRACTOR MAY ELECT TO UTILIZE ALTERNATING ONE-WAY WITH FLAGGER CONTROL FOR WORK ALONG KENWOOD AVENUE AND DRAINAGE PIPE INSTALLATION ACROSS DELAWARE AVENUE

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DATE/TIME = 2/21/2017
USER = 4066



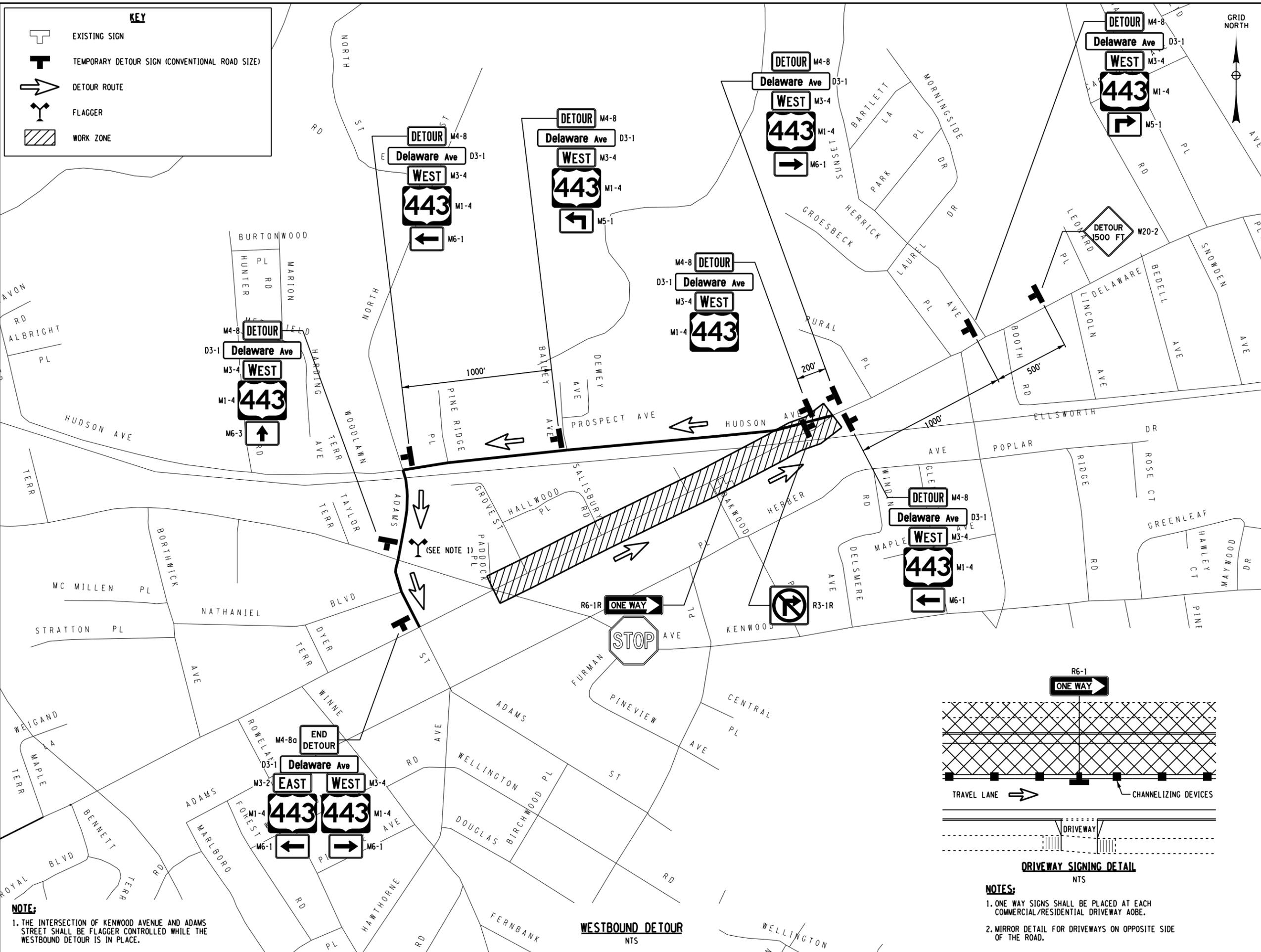
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

No.	Submission / Revision	Appd.	Date

PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
TOWN OF BETHLEHEM, ALBANY COUNTY, NY

WORK ZONE TRAFFIC CONTROL DETOUR PLAN

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: NONE	WZTC-6
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 15



FILE NAME = V:\AP\projects\175968\CADD\175968.dgn
DATE/TIME = 2/21/2017
USER = 4066

NOTE:
1. THE INTERSECTION OF KENWOOD AVENUE AND ADAMS STREET SHALL BE FLAGGER CONTROLLED WHILE THE WESTBOUND DETOUR IS IN PLACE.

NOTES:
1. ONE WAY SIGNS SHALL BE PLACED AT EACH COMMERCIAL/RESIDENTIAL DRIVEWAY AOB.
2. MIRROR DETAIL FOR DRIVEWAYS ON OPPOSITE SIDE OF THE ROAD.

WESTBOUND DETOUR
NTS



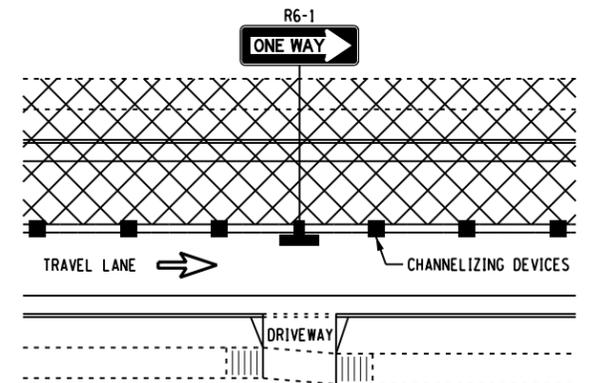
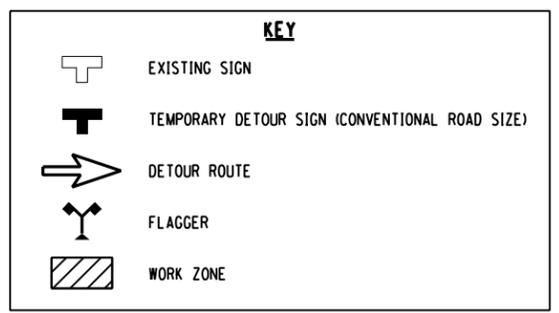
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

No.	Submission / Revision	Appd.	Date

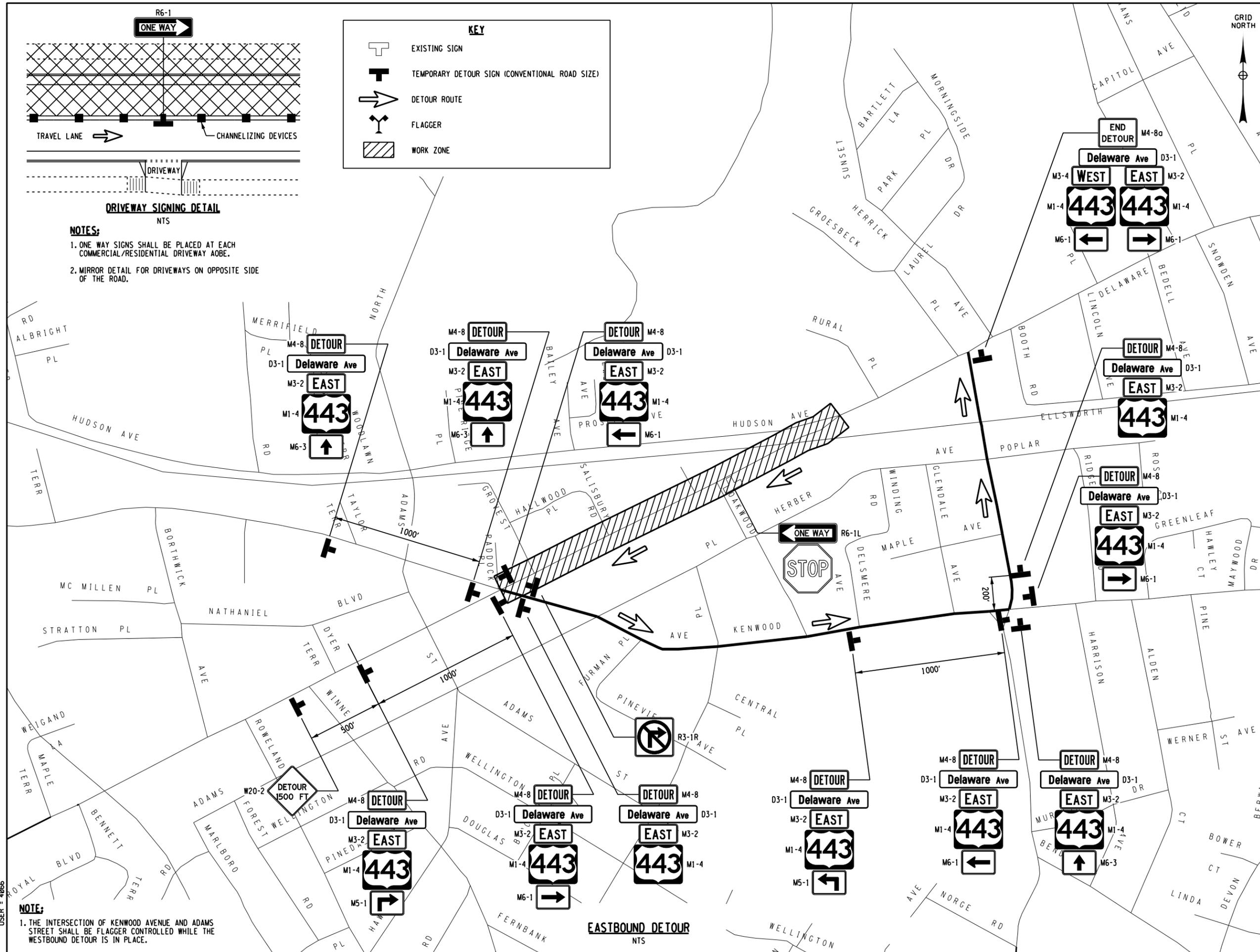
PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
TOWN OF BETHLEHEM, ALBANY COUNTY, NY

WORK ZONE TRAFFIC CONTROL DETOUR PLAN

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	WZTC-7
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 16



- NOTES:**
- ONE WAY SIGNS SHALL BE PLACED AT EACH COMMERCIAL/RESIDENTIAL DRIVEWAY ABOVE.
 - MIRROR DETAIL FOR DRIVEWAYS ON OPPOSITE SIDE OF THE ROAD.



FILE NAME = W:\Projects\175968\175968.dwg
DATE/TIME = 2/21/2017 10:00:00 AM
USER = AMJ

NOTE:
1. THE INTERSECTION OF KENWOOD AVENUE AND ADAMS STREET SHALL BE FLAGGER CONTROLLED WHILE THE WESTBOUND DETOUR IS IN PLACE.



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No.	Submission / Revision	Appd.	Date

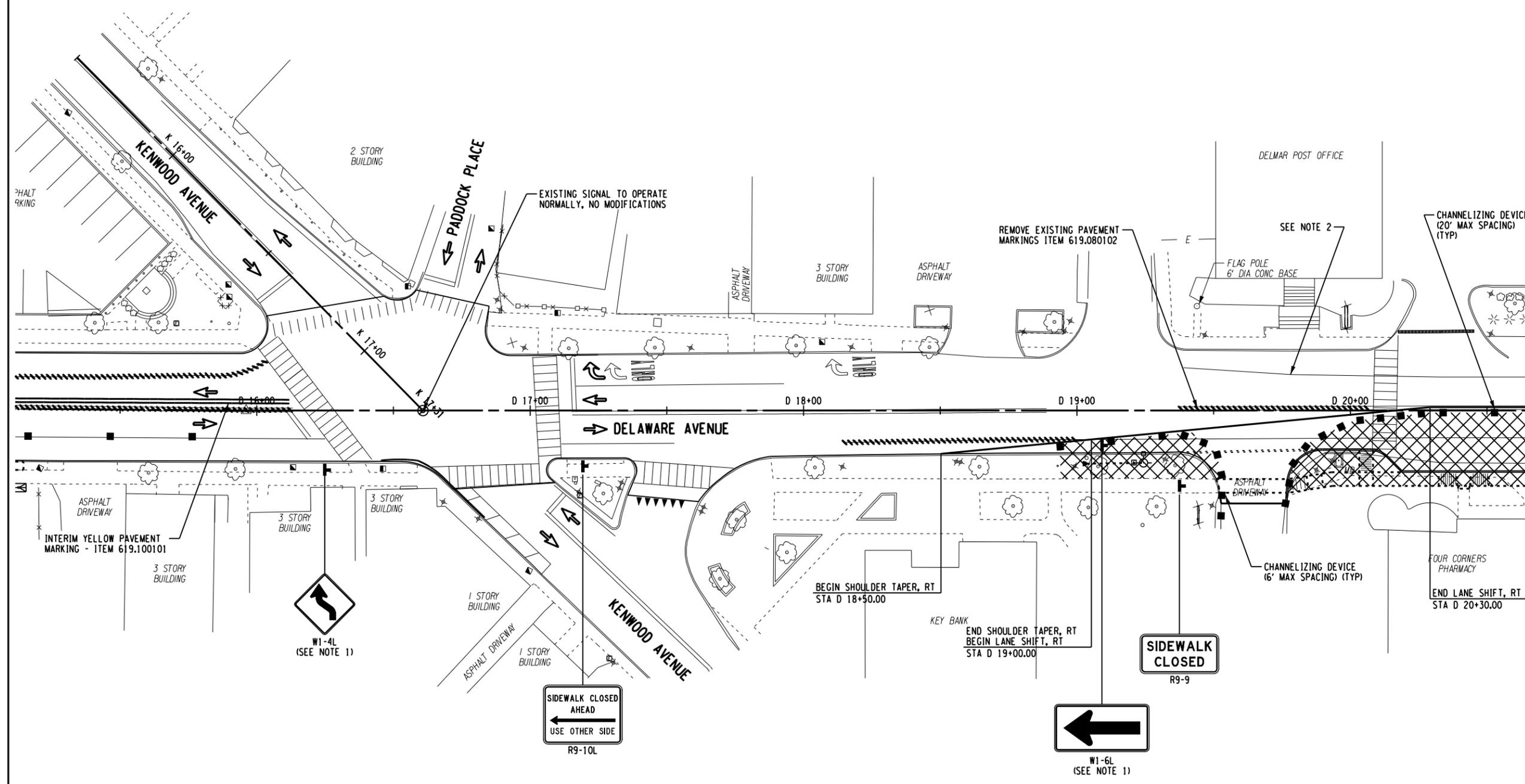
PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
 TOWN OF BETHLEHEM, ALBANY COUNTY, NY

WORK ZONE TRAFFIC CONTROL STAGE 1

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	WZTC-9
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 18

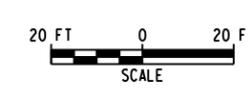
LEGEND

- TEMPORARY SIGN
- FLAG TREE
- DIRECTION OF TRAVEL
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- PAVEMENT MARKING REMOVAL
- WORK ZONE
- COVERED EXISTING SIGN



**DELAWARE AVENUE/KENWOOD AVENUE INTERSECTION DETAIL
 STAGE 1**

- NOTES:**
- SIGN REQUIRED FOR WESTBOUND DETOUR ONLY.
 - THE TEMPORARY EDGE OF TRAVEL LANE SHALL MATCH THE EXISTING EDGE OF TRAVEL LANE FROM STA D 19+40.0 TO STA D 30+80.0. THE EXISTING WHITE EDGE STRIPE SHALL REMAIN IN THIS AREA. IF THE EXISTING WHITE EDGE STRIPE IS CONSIDERED TO BE IN POOR CONDITION, BY THE ENGINEER, A NEW EDGE STRIPE SHALL BE PLACED. EDGE STRIPE TO BE PAID FOR UNDER ITEM 619.100101.



FILE NAME = W:\p\projects\ANY\K\30792\CADD\MSTN175968.cph.wztc.09.dgn
 DATE/TIME = 2/21/2017 10:46:56
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IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

No.	Submittal / Revision	Appd.	Date

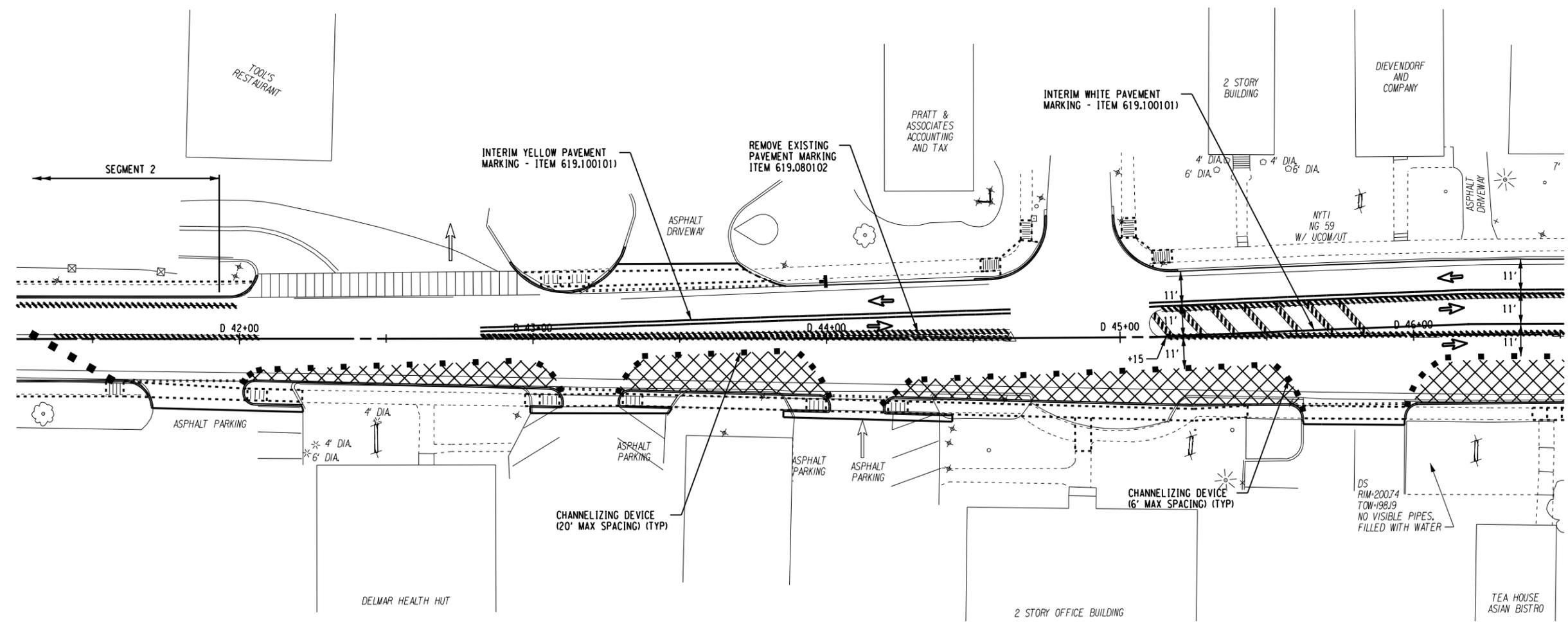
PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

**WORK ZONE
TRAFFIC CONTROL
STAGE 1**

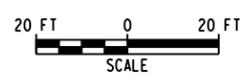
Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	WZTC-10
Checked By: MTS	Plot Date: 2/21/2017	

LEGEND

- TEMPORARY SIGN
- FLAG TREE
- DIRECTION OF TRAVEL
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- PAVEMENT MARKING REMOVAL
- WORK ZONE
- COVERED EXISTING SIGN



**ONE-WAY TO OUTSIDE LANE CLOSURE
STAGE 1**



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DATE/TIME = 2/21/2017
USER = 4066



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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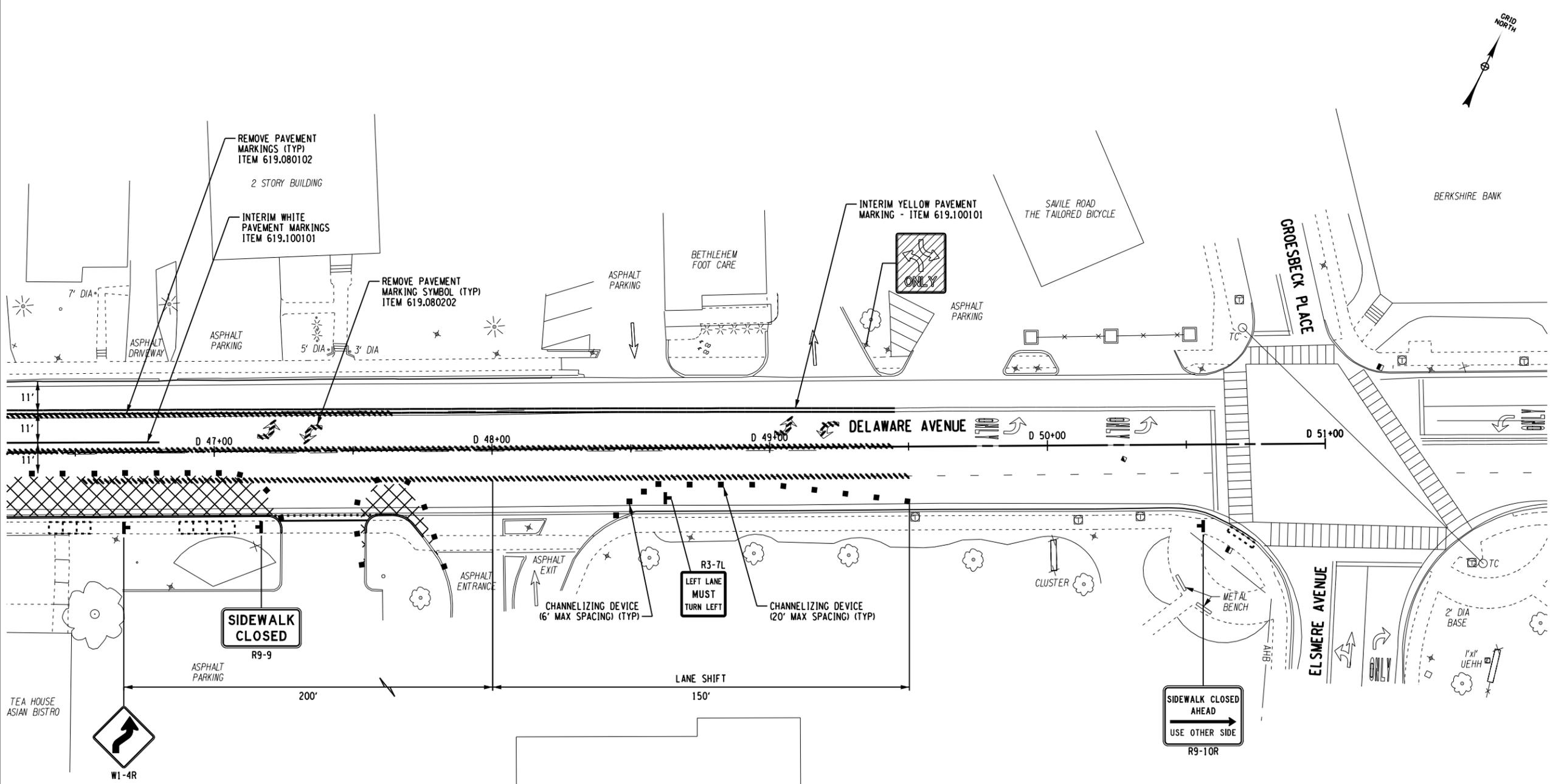
PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

WORK ZONE TRAFFIC CONTROL STAGE 1

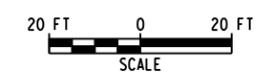
Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	WZTC-11
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 20

LEGEND

-  TEMPORARY SIGN
-  FLAG TREE
-  DIRECTION OF TRAVEL
-  TYPE III BARRICADE
-  CHANNELIZING DEVICE
-  PAVEMENT MARKING REMOVAL
-  WORK ZONE
-  COVERED EXISTING SIGN



DELAWARE AVENUE/ELSMERE AVENUE INTERSECTION DETAIL
STAGE 1



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DATE/TIME = 2/21/2017
USER = 4066



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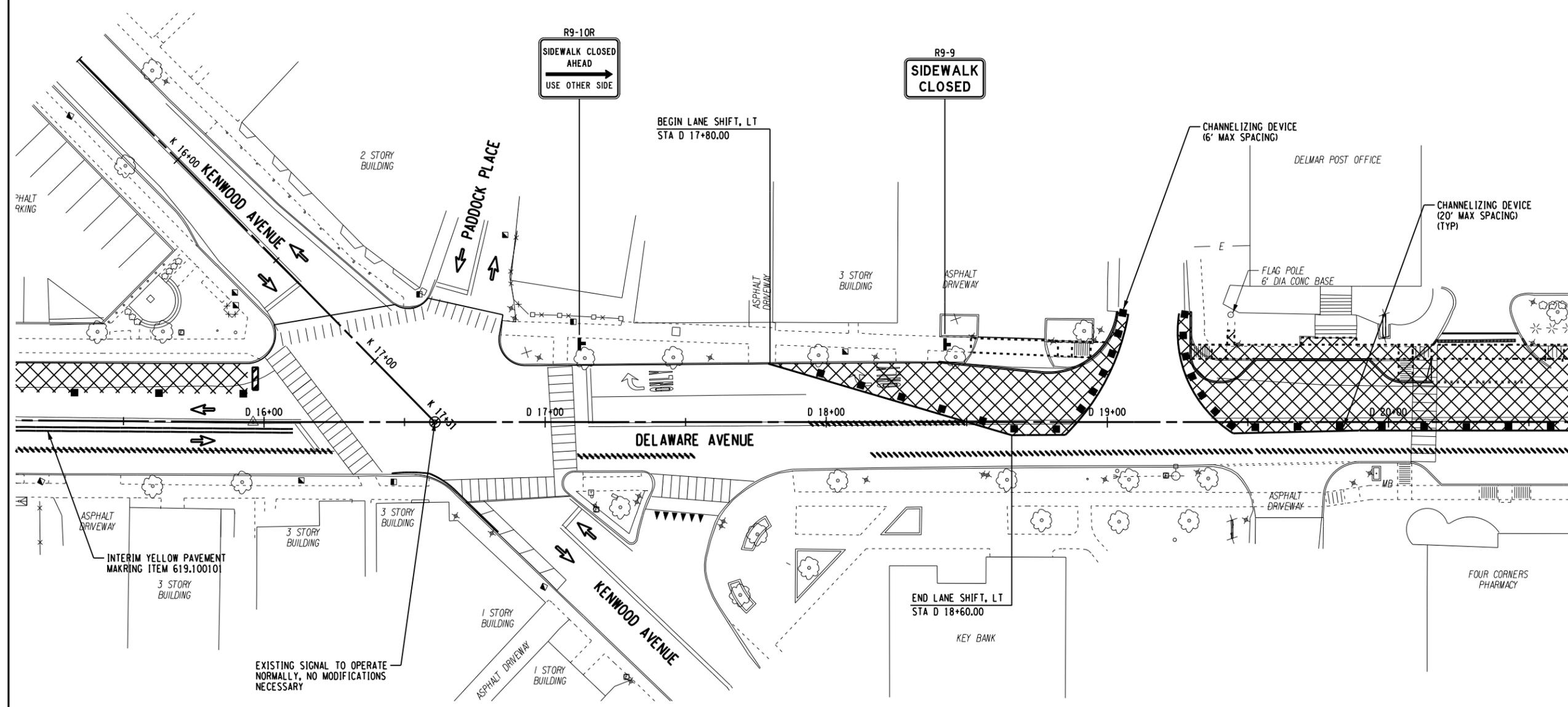
PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

**WORK ZONE
TRAFFIC CONTROL
STAGE 2**

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	WZTC-12
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 21

LEGEND

- TEMPORARY SIGN
- FLAG TREE
- DIRECTION OF TRAVEL
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- PAVEMENT MARKING REMOVAL
- WORK ZONE
- COVERED EXISTING SIGN



**DELAWARE AVENUE/KENWOOD AVENUE INTERSECTION DETAIL
STAGE 2**



FILE NAME = V:\P\proj\sets\ANY\K\A\30792\CADD\MSTN\175968.cph.wztc.12.dgn
DATE/TIME = 2/21/2017
USER = 4066



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No.	Submittal / Revision	Appd.	Date

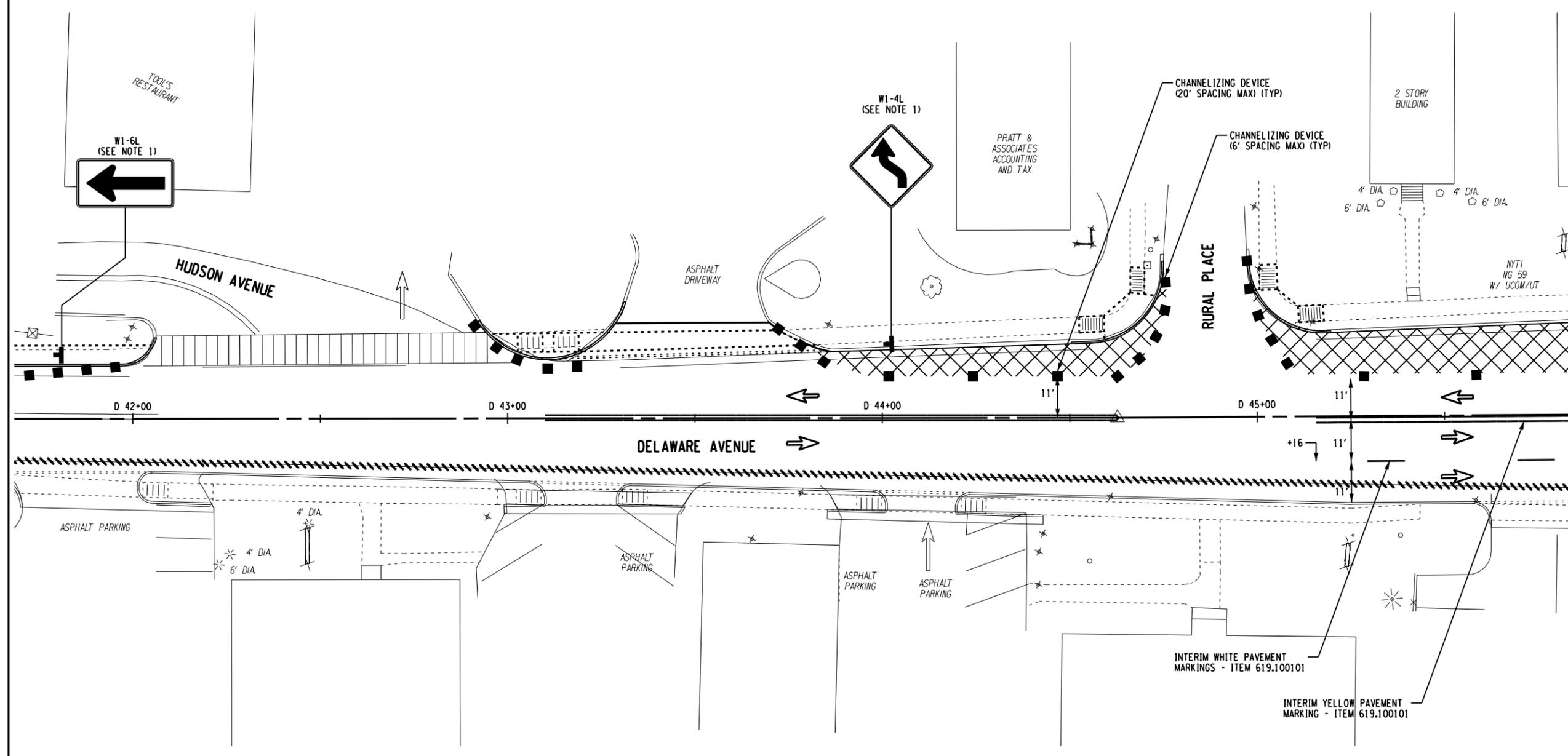
PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

**WORK ZONE
TRAFFIC CONTROL
STAGE 2**

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	WZTC-13
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 22

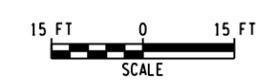
LEGEND

-  TEMPORARY SIGN
-  FLAG TREE
-  DIRECTION OF TRAVEL
-  TYPE III BARRICADE
-  CHANNELIZING DEVICE
-  PAVEMENT MARKING REMOVAL
-  WORK ZONE
-  COVERED EXISTING SIGN

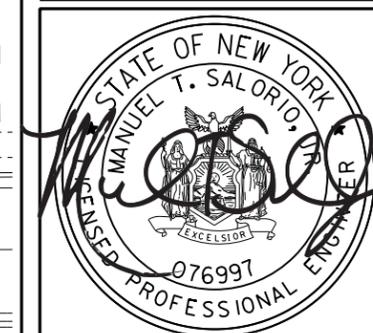


**ONE-WAY TO OUTSIDE LANE CLOSURE
STAGE 2**

NOTES:
1. SIGN REQUIRED FOR EASTBOUND DETOUR ONLY.



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DATE/TIME = 2/21/2017
USER = 4066



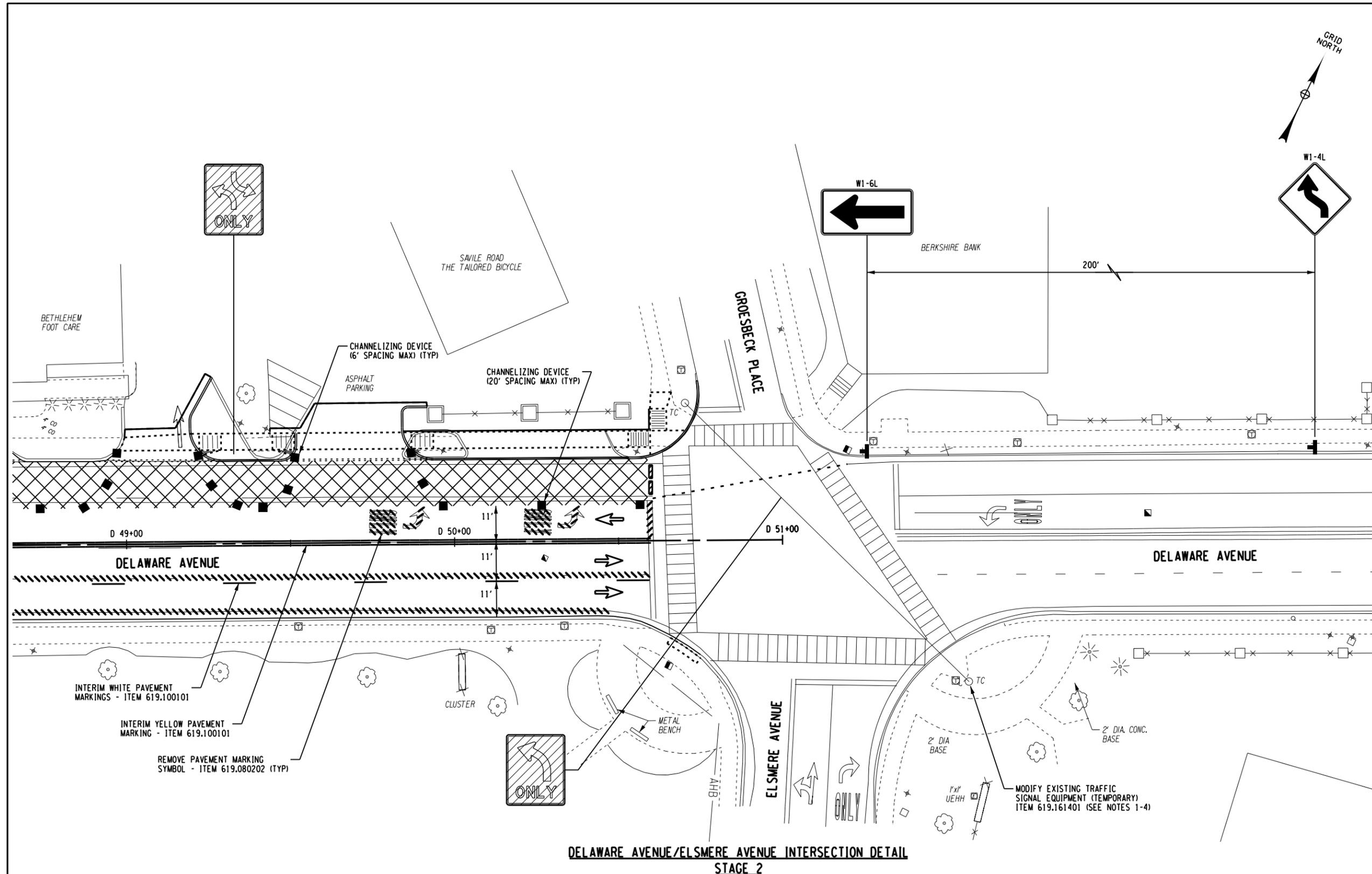
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PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

**WORK ZONE
TRAFFIC CONTROL
STAGE 2**

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	WZTC-14
Checked By: MTS	Plot Date: 2/21/2017	



**DELAWARE AVENUE/ELSMERE AVENUE INTERSECTION DETAIL
STAGE 2**

LEGEND

	TEMPORARY SIGN		CHANNELIZING DEVICE
	FLAG TREE		PAVEMENT MARKING REMOVAL
	DIRECTION OF TRAVEL		WORK ZONE
	TYPE III BARRICADE		COVERED EXISTING SIGN

NOTES:

1. THE CONTROLLER SHALL BE MODIFIED SO THAT THE EASTBOUND LEFT-TURN PHASE IS ON MAX RECALL FOR THE DURATION OF STAGE 2.
2. THE EASTBOUND LEFT-TURN LOOP SHALL BE DEACTIVATED FOR THE DURATION OF STAGE 2.
3. THE EASTBOUND LEFT-TURN ONLY SIGN ON THE SPAN WIRE SHALL BE BAGGED FOR THE DURATION OF STAGE 2.
4. ALL SIGNAL MODIFICATIONS SHALL BE DONE IN COORDINATION WITH NYSDOT REGION ONE TRAFFIC.

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DATE/TIME = 2/21/2017
USER = 4066



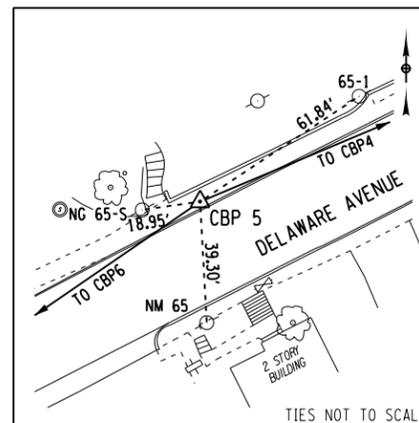
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PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
TOWN OF BETHLEHEM, ALBANY COUNTY, NY

BASELINE TIES

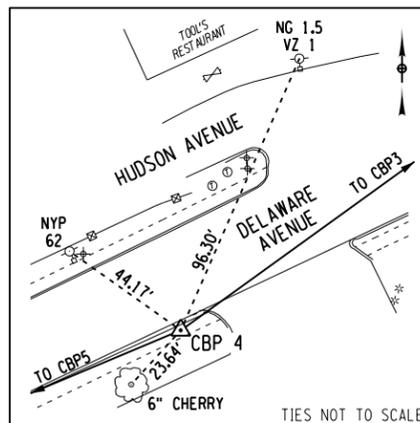
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Drawn By: MED	Scale: NONE	BLT-1
Checked By: MTS	Plot Date: 2/21/2017	



CBP 5 STA A 25+55.24

CBP 5 IS SET IN THE NORTHERLY SIDEWALK OF DELAWARE AVE AND 350'± NORTH EASTERLY OF THE INTERSECTION OF DELAWARE AVE AND OAKWOOD PLACE

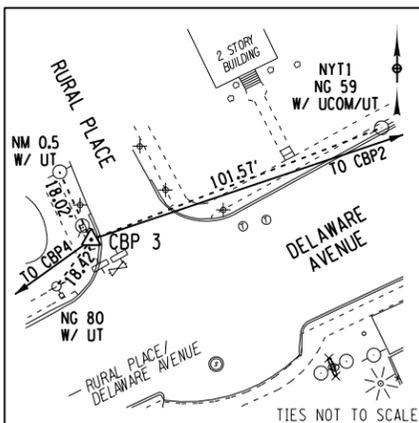
N: 1381867.89
E: 673401.70
ELEV: 198.51



CBP 4 STA A 20+21.59

CBP 4 IS SET IN THE SOUTHERLY SIDEWALK OF DELAWARE AVE AND 95'± SOUTH WESTERLY OF THE INTERSECTION OF DELAWARE AVE AND HUDSON AVE

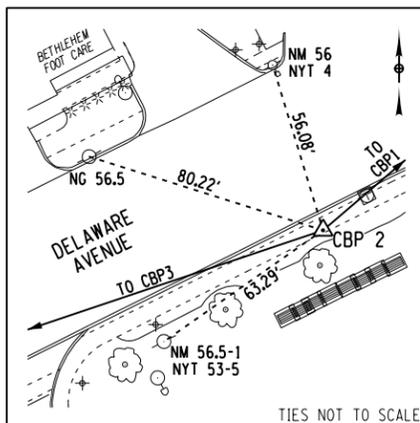
N: 1382073.95
E: 673893.96
ELEV: 197.37



CBP 3 STA A 17+01.41

CBP 3 IS SET IN THE NORTH WESTERLY MAINTENANCE STRIP OF THE INTERSECTION OF RURAL PLACE AND DELAWARE AVE

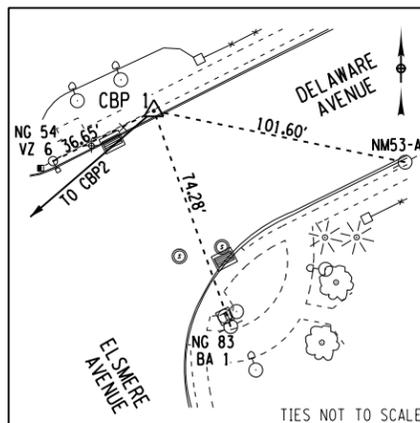
N: 1382260.47
E: 674154.20
ELEV: 200.73



CBP 2 STA A 12+34.26

CBP 2 IS SET IN SIDEWALK SOUTHERLY OF DELAWARE AVE AND 175'± SOUTH WESTERLY OF THE INTERSECTION OF ELSMERE AVE AND DELAWARE AVE

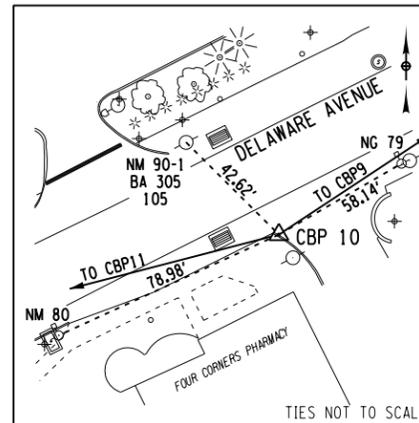
N: 1382409.08
E: 674597.08
ELEV: 199.76



CBP 1 STA A 10+00.00

CBP 1 IS SET IN SIDEWALK NORTHERLY OF DELAWARE AVE AND 70'± NORTH EASTERLY OF THE INTERSECTION OF ELSMERE AVE AND DELAWARE AVE

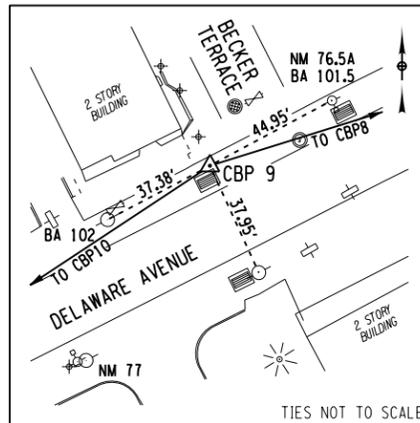
N: 1382561.23
E: 674775.21
ELEV: 202.33



CBP 10 STA A 41+15.45

CBP 10 IS SET IN THE SOUTHERLY SHOULDER OF DELAWARE AVE AND THE EASTERLY CORNER OF FOUR CORNERS PHARMACY ENTRANCE

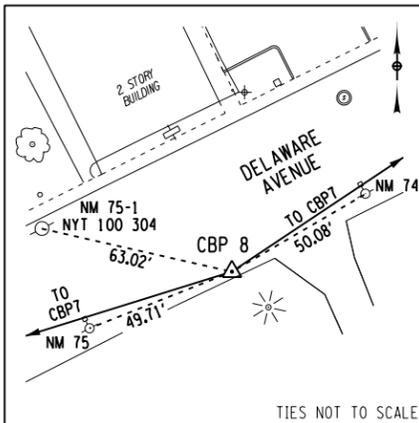
N: 1381139.24
E: 672339.03
ELEV: 217.33



CBP 9 STA A 37+63.63

CBP 9 IS SET IN THE NORTH WESTERLY CORNER OF THE INTERSECTION OF DELAWARE AVE AND BECKER TERRACE

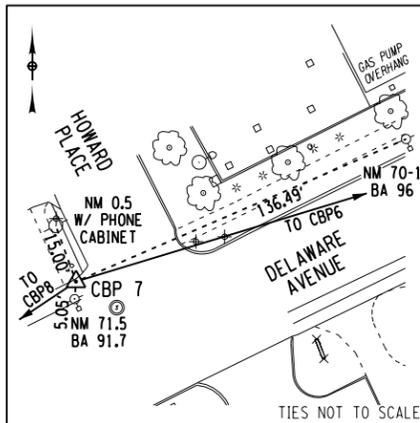
N: 1381333.01
E: 672332.69
ELEV: 208.86



CBP 8 STA A 35+11.37

CBP 8 IS SET IN THE SOUTHERLY SHOULDER OF DELAWARE AVE AND 230'± NORTH EASTERLY OF THE INTERSECTION OF DELAWARE AVE AND HOWARD PLACE

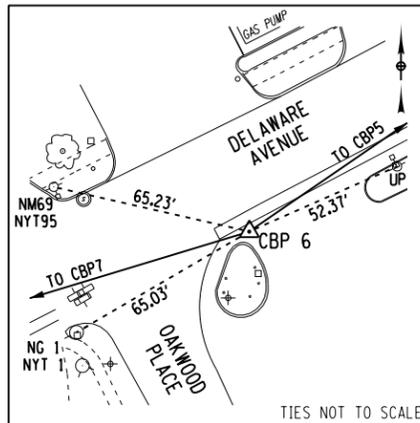
N: 1381407.84
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ELEV: 212.53



CBP 7 STA A 31+46.01

CBP 7 IS SET IN THE NORTH WESTERLY CORNER OF THE INTERSECTION OF DELAWARE AVE AND HOWARD PLACE

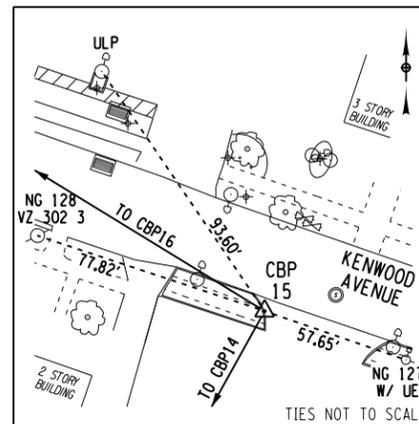
N: 1381610.18
E: 672877.81
ELEV: 215.68



CBP 6 STA A 28+68.60

CBP 6 IS SET IN THE SOUTHERLY SIDEWALK OF DELAWARE AVE AND 35'± NORTH EASTERLY OF THE INTERSECTION OF DELAWARE AVE AND OAKWOOD PLACE

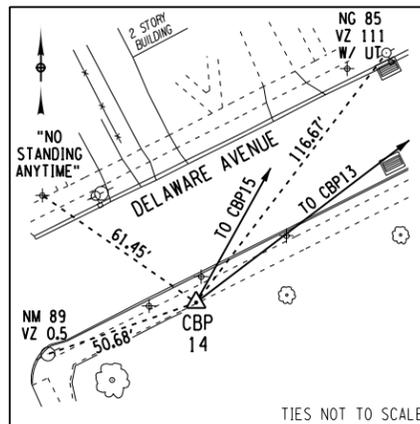
N: 1381690.63
E: 673143.29
ELEV: 210.83



CBP 15 STA A 13+10.04

CBP 15 IS SET SOUTHERLY OF KENWOOD AVE IN THE WESTERLY PARKING LOT ENTRANCE 250'± NORTH WESTERLY OF THE INTERSECTION OF DELAWARE AVE AND KENWOOD AVE.

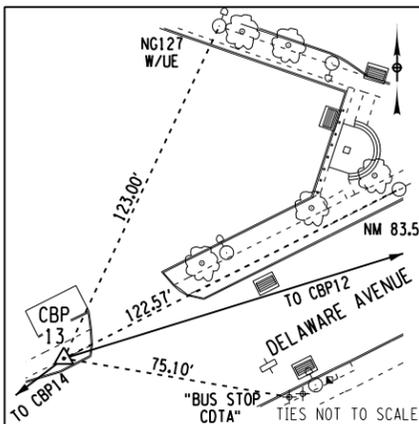
N: 1381037.21
E: 671405.91
ELEV: 223.38



CBP 14 STA A 50+42.37

CBP 14 IS SET IN THE SOUTHERLY SIDEWALK OF DELAWARE AVE AND 75'± NORTH EASTERLY OF THE INTERSECTION OF DELAWARE AVE AND ADAMS STREET.

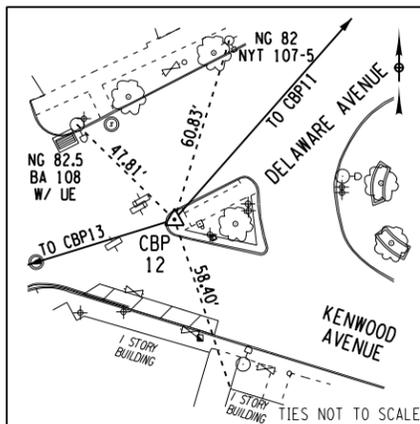
N: 1380728.73
E: 671234.59
ELEV: 222.88



CBP 13 STA A 47+66.96

CBP 13 IS SET IN THE NORTHERLY SIDEWALK OF DELAWARE AVE AND 200'± SOUTH WESTERLY OF THE INTERSECTION OF DELAWARE AVE AND KENWOOD AVE.

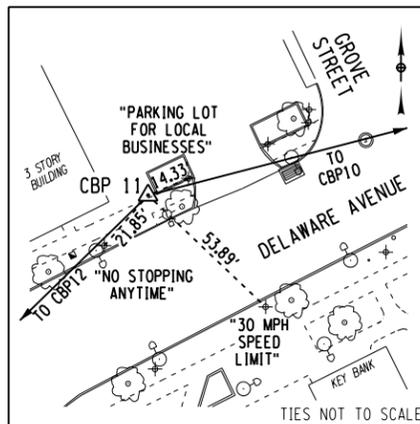
N: 1380895.25
E: 671453.96
ELEV: 222.88



CBP 12 STA A 44+99.62

CBP 12 IS SET IN THE WESTERLY SIDEWALK OF THE DELAWARE AVE AND KENWOOD AVE INTERSECTION ISLAND

N: 1380924.00
E: 671709.44
ELEV: 222.26

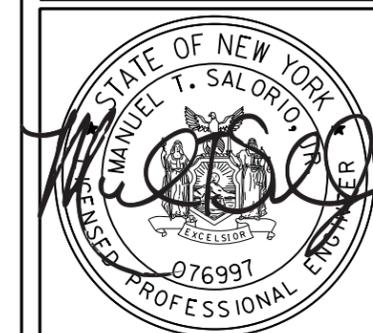


CBP 11 STA A 43+61.50

CBP 11 IS SET IN PARKING LOT NORTHERLY OF DELAWARE AVE AND 80'± SOUTH WESTERLY OF THE INTERSECTION OF DELAWARE AVE AND GROVE STREET

N: 1381077.55
E: 671800.84
ELEV: 221.75

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USER = AMJ



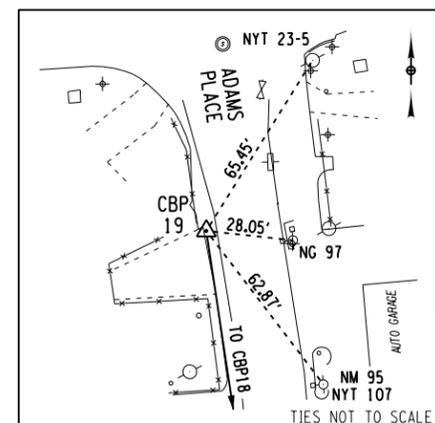
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No.	Submittal / Revision	Appd.	Date

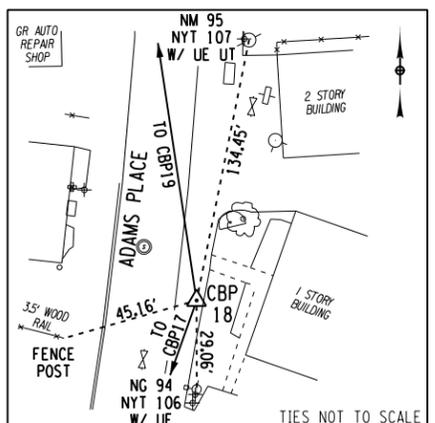
PIN 1759.68
**DELAWARE AVENUE HAMLET
 MULTI-MODAL STREETScape
 ENHANCEMENTS**
 TOWN OF BETHLEHEM,
 ALBANY COUNTY, NY

BASELINE TIES

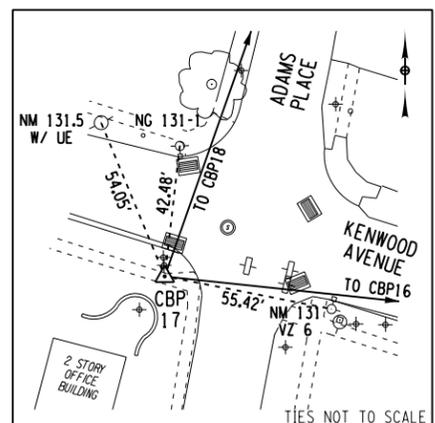
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Drawn By: MED	Scale: NONE	
Checked By: MTS	Plot Date: 2/21/2017	



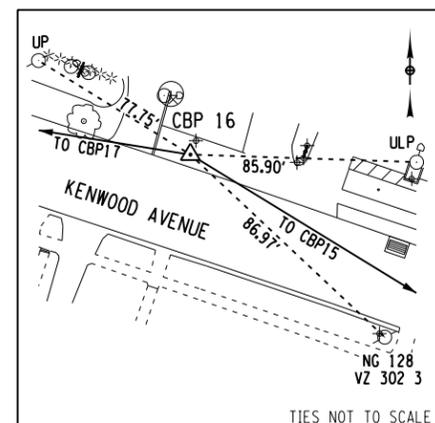
19 STA B 22+96.86
 CBP 19 IS SET IN THE WESTERLY SHOULDER OF ADAMS PLACE AND 70'± SOUTHERLY OF THE INTERSECTION OF ADAMS PLACE AND HUDSON AVE
 N: 1381690.95
 E: 671059.70
 ELEV: 219.54



18 STA B 20+61.07
 CBP 18 IS SET IN THE EASTERLY SHOULDER OF ADAMS PLACE AND 280'± NORTHERLY OF THE INTERSECTION OF KENWOOD AVE AND ADAMS PLACE
 N: 1381457.79
 E: 671094.83
 ELEV: 223.19



17 STA B 17+51.54
 CBP 17 IS SET IN THE SOUTH WESTERLY SIDEWALK OF THE INTERSECTION OF KENWOOD AVE AND ADAMS PLACE
 N: 1381165.95
 E: 670991.70
 ELEV: 223.65



16 STA B 14+72.20
 CBP 16 IS SET NORTHERLY OF KENWOOD AVE AND 250'± SOUTH EASTERLY OF THE INTERSECTION OF KENWOOD AVE AND ADAMS PLACE
 N: 1381121.73
 E: 671267.52
 ELEV: 223.46

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 USER = 4066

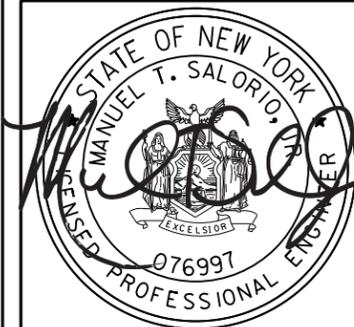
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 USER = 4066

HORIZONTAL CONTROL TABLE				
H.C.L. POINT	H.C.L. STATION	COORDINATES		DESCRIPTION
		NORTH	EAST	
DELAWARE AVENUE				
POB	D 10+00.00	1380676.755	671064.705	BEGIN ALIGNMENT
PI	D 15+96.10	1380940.843	671599.110	LINEAR, BL STA 46+14.82 OS 0.8' LT
EQ	D 16+60.79	1380969.939	671656.892	EQUALITY KENWOOD AVENUE
PI	D 26+95.16	1381435.143	672580.743	LINEAR, BL STA 34+90.29 OS 18.8' LT
PC	D 32+40.68	1381676.968	673069.738	PC CURVE 1
PI	D 33+01.40 BK= D 33+01.39 AH	1381703.883	673124.164	PI CURVE 1, BL STA 28+83.07 OS 18.2' RT (R=5000.00)
PT	D 33+62.11	1381732.111	673177.919	PT CURVE 1
PC	D 35+09.85	1381800.800	673308.722	PC CURVE 2
PI	D 36+42.18 BK= D 36+42.16 AH	1381862.324	673425.880	PI CURVE 2, BL STA 25+35.09 OS 14.5' RT (R=10000.00)
PT	D 37+74.49	1381920.725	673544.625	PT CURVE 2
PI	D 44+62.72	1382224.463	674162.199	LINEAR, BL STA 17+15.89 OS 33.9' RT
POE	D 51+00.02	1382509.158	674732.379	END ALIGNMENT, BL STA 10+66.39 OS 11.8' RT
KENWOOD AVENUE				
POB	K 10+00.00	1381199.105	670963.314	BEGIN ALIGNMENT, BL STA 17+73.35 OS 37.8' LT
EQ	K 10+57.87	1381182.628	671018.781	EQUALITY ADAMS STREET
PC	K 11+01.57	1381170.180	671060.683	PC CURVE K1
PI	K 11+59.87 BK= K 11+59.85 AH	1381153.579	671116.565	PI CURVE K1, BL STA 16+26.29 OS 7.6' RT (R=3000.00)
PT	K 12+18.15	1381134.820	671171.761	PT CURVE K1
POE/EQ	K 17+30.54	1380969.939	671656.892	END ALIGNMENT/EQUALITY DELAWARE AVENUE, BL STA 10+50.62 OS 14.7' LT
ADAMS STREET				
POB/EQ	A 10+00.00	1381182.628	671018.781	BEGIN ALIGNMENT/EQUALITY KENWOOD AVENUE, BL STA 17+76.15 OS 20.0' RT
PC	A 12+09.70	1381387.301	671063.725	PC CURVE A1
PI	A 13+81.34 BK= A 13+76.21 AH	1381554.947	671100.539	PI CURVE A1, BL STA 21+56.29 OS 20.1' RT (R=800.00)
PT	A 15+47.85	1381722.939	671065.341	PT CURVE A1
POE	A 15+85.33	1381759.626	671057.654	END ALIGNMENT

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 Albany, NY 12205-0269
 518.453.4500 - www.chacompanies.com



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No.	Submittal / Revision	Appd.	Date

PIN 1759.68
**DELAWARE AVENUE HAMLET
 MULTI-MODAL STREETScape
 ENHANCEMENTS**
 TOWN OF BETHLEHEM,
 ALBANY COUNTY, NY

**HORIZONTAL
 CONTROL**

Designed By: AMJ	Project No.: 30792	Drawing No.: HVC-1
Drawn By: MED	Scale: NONE	
Checked By: MTS	Plot Date: 2/21/2017	SHEET 26



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

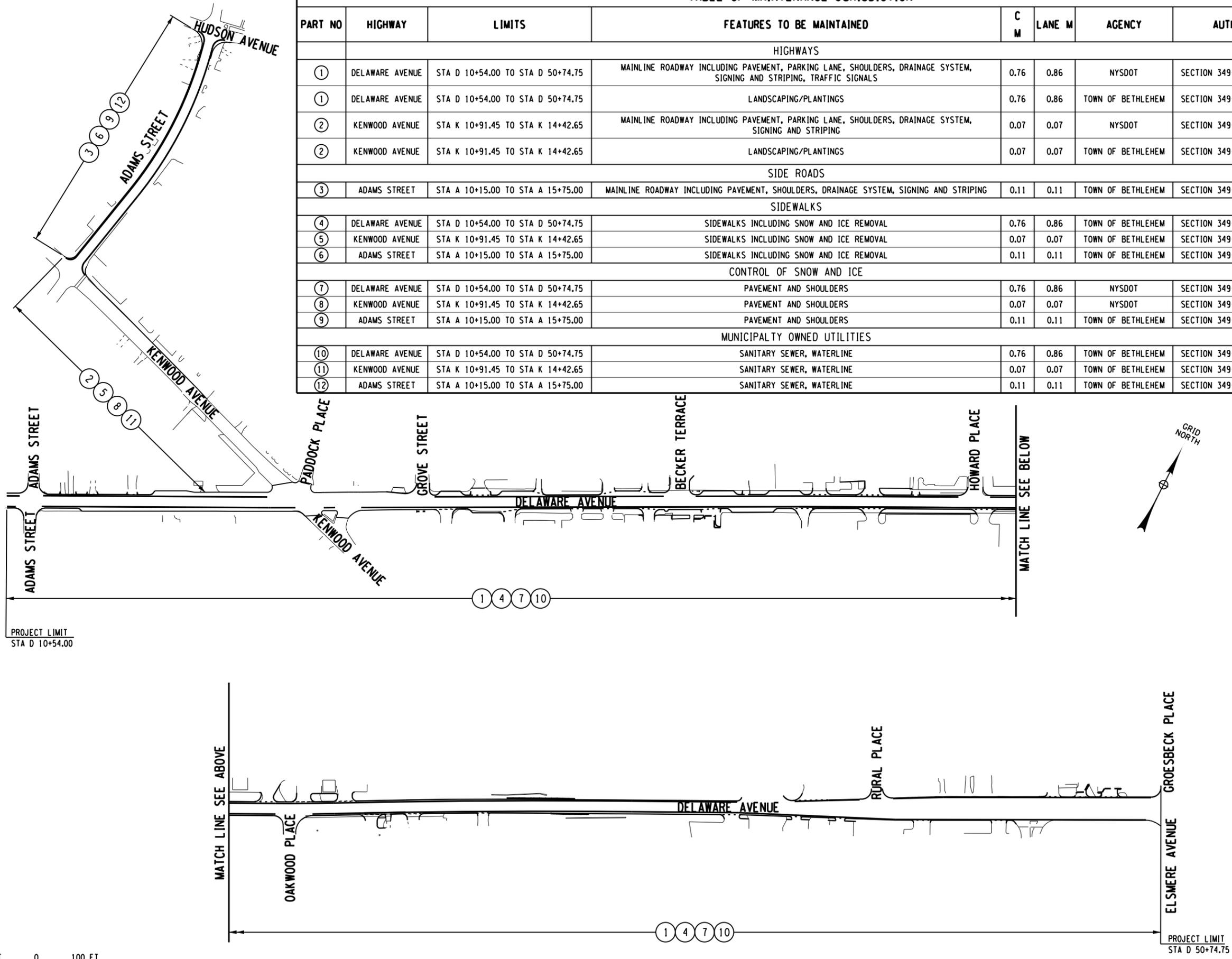
No.	Submittal / Revision	Appd.	Date

PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
 TOWN OF BETHLEHEM, ALBANY COUNTY, NY

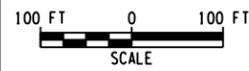
MAINTENANCE JURISDICTION

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	MJ-1
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 27

TABLE OF MAINTENANCE JURISDICTION							
PART NO	HIGHWAY	LIMITS	FEATURES TO BE MAINTAINED	C M	LANE M	AGENCY	AUTHORITY
HIGHWAYS							
①	DELAWARE AVENUE	STA D 10+54.00 TO STA D 50+74.75	MAINLINE ROADWAY INCLUDING PAVEMENT, PARKING LANE, SHOULDERS, DRAINAGE SYSTEM, SIGNING AND STRIPING, TRAFFIC SIGNALS	0.76	0.86	NYS DOT	SECTION 349-C HIGHWAY LAW
①	DELAWARE AVENUE	STA D 10+54.00 TO STA D 50+74.75	LANDSCAPING/PLANTINGS	0.76	0.86	TOWN OF BETHLEHEM	SECTION 349-C HIGHWAY LAW
②	KENWOOD AVENUE	STA K 10+91.45 TO STA K 14+42.65	MAINLINE ROADWAY INCLUDING PAVEMENT, PARKING LANE, SHOULDERS, DRAINAGE SYSTEM, SIGNING AND STRIPING	0.07	0.07	NYS DOT	SECTION 349-C HIGHWAY LAW
②	KENWOOD AVENUE	STA K 10+91.45 TO STA K 14+42.65	LANDSCAPING/PLANTINGS	0.07	0.07	TOWN OF BETHLEHEM	SECTION 349-C HIGHWAY LAW
SIDE ROADS							
③	ADAMS STREET	STA A 10+15.00 TO STA A 15+75.00	MAINLINE ROADWAY INCLUDING PAVEMENT, SHOULDERS, DRAINAGE SYSTEM, SIGNING AND STRIPING	0.11	0.11	TOWN OF BETHLEHEM	SECTION 349-C HIGHWAY LAW
SIDEWALKS							
④	DELAWARE AVENUE	STA D 10+54.00 TO STA D 50+74.75	SIDEWALKS INCLUDING SNOW AND ICE REMOVAL	0.76	0.86	TOWN OF BETHLEHEM	SECTION 349-C HIGHWAY LAW
⑤	KENWOOD AVENUE	STA K 10+91.45 TO STA K 14+42.65	SIDEWALKS INCLUDING SNOW AND ICE REMOVAL	0.07	0.07	TOWN OF BETHLEHEM	SECTION 349-C HIGHWAY LAW
⑥	ADAMS STREET	STA A 10+15.00 TO STA A 15+75.00	SIDEWALKS INCLUDING SNOW AND ICE REMOVAL	0.11	0.11	TOWN OF BETHLEHEM	SECTION 349-C HIGHWAY LAW
CONTROL OF SNOW AND ICE							
⑦	DELAWARE AVENUE	STA D 10+54.00 TO STA D 50+74.75	PAVEMENT AND SHOULDERS	0.76	0.86	NYS DOT	SECTION 349-C HIGHWAY LAW
⑧	KENWOOD AVENUE	STA K 10+91.45 TO STA K 14+42.65	PAVEMENT AND SHOULDERS	0.07	0.07	NYS DOT	SECTION 349-C HIGHWAY LAW
⑨	ADAMS STREET	STA A 10+15.00 TO STA A 15+75.00	PAVEMENT AND SHOULDERS	0.11	0.11	TOWN OF BETHLEHEM	SECTION 349-C HIGHWAY LAW
MUNICIPALTY OWNED UTILITIES							
⑩	DELAWARE AVENUE	STA D 10+54.00 TO STA D 50+74.75	SANITARY SEWER, WATERLINE	0.76	0.86	TOWN OF BETHLEHEM	SECTION 349-C HIGHWAY LAW
⑪	KENWOOD AVENUE	STA K 10+91.45 TO STA K 14+42.65	SANITARY SEWER, WATERLINE	0.07	0.07	TOWN OF BETHLEHEM	SECTION 349-C HIGHWAY LAW
⑫	ADAMS STREET	STA A 10+15.00 TO STA A 15+75.00	SANITARY SEWER, WATERLINE	0.11	0.11	TOWN OF BETHLEHEM	SECTION 349-C HIGHWAY LAW



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No.	Submittal / Revision	Appd.	Date

PIN 1759.68
**DELAWARE AVENUE HAMLET
 MULTI-MODAL STREETScape
 ENHANCEMENTS**
 TOWN OF BETHLEHEM,
 ALBANY COUNTY, NY

**MISCELLANEOUS
 TABLES**

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: NONE	MT-2
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 29

WALKWAY	STATION	SIDE	MATERIAL	ITEM	LENGTH (FT)
1	D 11+53	LT	ASPHALT	608.020102	2.0
2	D 12+10	LT	CONCRETE	608.0101	3.0
3	D 12+48	LT	ASPHALT	608.020102	4.0
4	D 12+84	LT	CONCRETE	608.0101	7.0
5	D 19+44	LT	CONCRETE	608.0101	5.0
6	D 19+80	LT	CONCRETE	608.0101	2.5
7	D 20+40	RT	CONCRETE	608.0101	1.0
8	D 21+27	LT	CONCRETE	608.0101	1.0
9	D 22+00	LT	CONCRETE	608.0101	1.0
10	D 22+38	LT	CONCRETE	608.0101	1.0
11	D 23+27	LT	CONCRETE	608.0101	1.5
12	D 23+54	LT	CONCRETE	608.0101	1.5
13	D 26+18	LT	CONCRETE	608.0101	4.0
14	D 26+49	LT	ASPHALT	608.020102	4.0
15	D 27+00	LT	CONCRETE	608.0101	4.0
16	D 44+87	RT	ASPHALT	608.020102	11.0

STATION	OFFSET	QUANTITY
D 11+11	26.7 LT	1
D 23+94	22.0 LT	1
D 24+50	33.5 LT	1
D 25+94	21.8 LT	1
D 36+29	16.9 RT	1
D 42+47	16.8 RT	1
D 43+50	21.2 LT	1
D 44+75	23.4 LT	1
A 12+31	1.4 RT	1
A 12+62	4.0 RT	1
A 15+59	15.1 RT	1
TOTAL		11

STATION	OFFSET	UTILITY	QUANTITY
D 16+07	24.7 LT	TEL	1
D 16+14	21.9 LT	TEL	1
D 32+49	23.0 LT	TEL	1
D 45+18	17.4 LT	TEL	1
D 45+26	15.9 LT	TEL	1
D 50+61	23.1 LT	TEL	1
TOTAL			6

STATION	SIDE	LENGTH (LF)	WIDTH (LF)
D 15+10	RT	10.0	3.0
D 22+10	RT	10.0	3.0
D 32+22	RT	10.0	3.0

LOCATION	STATION	OFFSET	QUANTITY			
			ITEM 614.060304	ITEM 614.060404	ITEM 614.060504	ITEM 614.060604
			EACH	EACH	EACH	EACH
D 25+81		RT		1		
D 27+79		LT	1			
D 29+46		LT				1
D 32+26		RT			1	
TOTALS			1	1	1	1

STATION	OFFSET	UTILITY	QUANTITY
D 11+02	13.9 RT	SANITARY	1
D 11+02	12.2 LT	SANITARY	1
D 13+61	13.4 RT	SANITARY	1
D 16+63	12.0 RT	SANITARY	1
D 17+05	17.2 LT	SANITARY	1
D 19+10	15.4 LT	SANITARY	1
D 21+33	15.1 LT	SANITARY	1
D 24+58	14.6 LT	SANITARY	1
D 27+35	13.5 LT	SANITARY	1
D 29+36	12.7 LT	SANITARY	1
D 30+47	11.7 LT	SANITARY	1
D 32+69	13.2 LT	SANITARY	1
D 34+24	11.7 LT	SANITARY	1
D 43+09	21.8 RT	SANITARY	1
D 43+11	18.8 LT	SANITARY	1
D 44+90	19.0 RT	SANITARY	1
D 48+31	16.5 RT	SANITARY	1
A 12+99	0.4 LT	SANITARY	1
A 14+35	3.3 RT	SANITARY	1
TOTAL			19

LOCATION	OFFSET	ITEM	
		646.22 (EA)	646.31 (EA)
D 11+99	RT	1	1
D 13+50	LT	1	1
D 14+45	LT	1	1
D 19+40	LT	1	1
D 20+02	LT	1	1
D 20+09	RT	1	1
D 20+67	LT	1	1
D 21+21	RT	1	1
D 21+76	LT	1	1
D 22+61	LT	1	1
D 22+78	LT	1	1
D 23+95	LT	1	1
D 24+86	LT	1	1
D 25+45	RT	1	1
D 25+70	LT	1	1
D 26+22	LT	1	1
D 26+53	RT	1	1
D 27+05	LT	1	1
TOTAL		18	18

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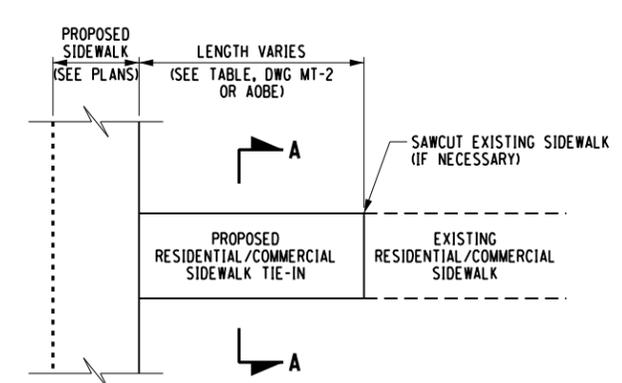
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No.	Submittal / Revision	Appd.	Date

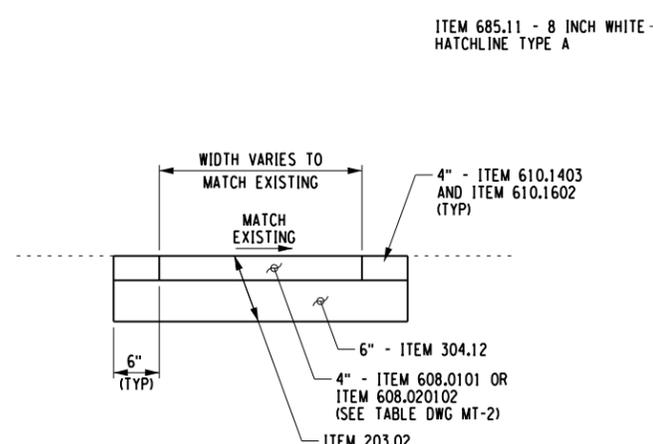
PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

**MISCELLANEOUS
DETAILS**

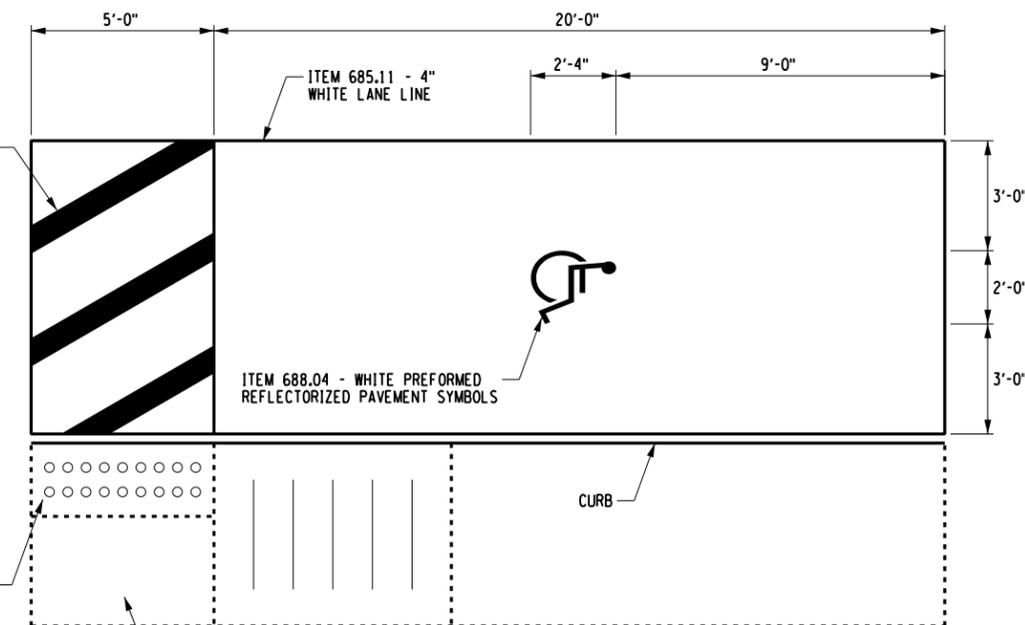
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Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 30



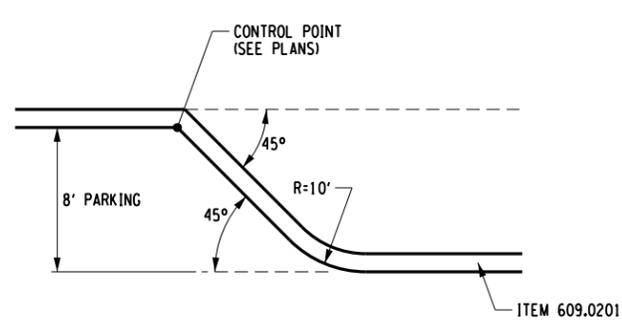
WALKWAY TIE-IN DETAIL
NTS
(SEE TABLE ON DWG MT-2 FOR LOCATIONS)



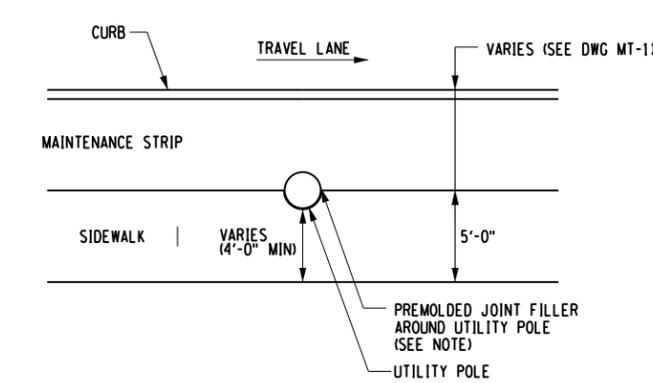
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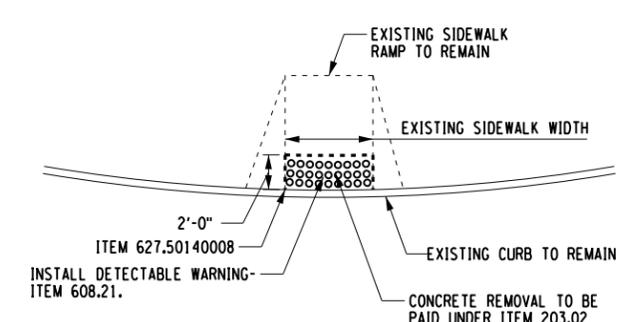
HANDICAP PARKING DETAIL
NTS



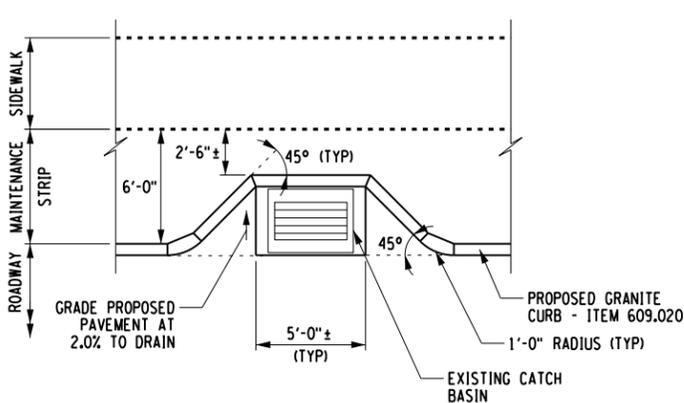
TYPICAL PARALLEL PARKING DETAIL
NTS
NOTE:
MIRROR DETAIL FOR OPPOSITE SIDE OF PARKING LANE.



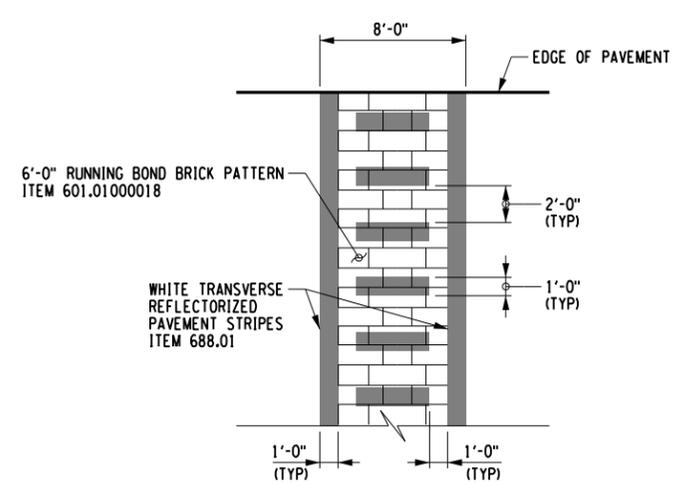
SIDEWALK OBSTRUCTION DETAIL
NTS
NOTE:
COST ASSOCIATED WITH PREMOLDED JOINT FILLER TO BE INCLUDED IN THE SIDEWALK ITEM



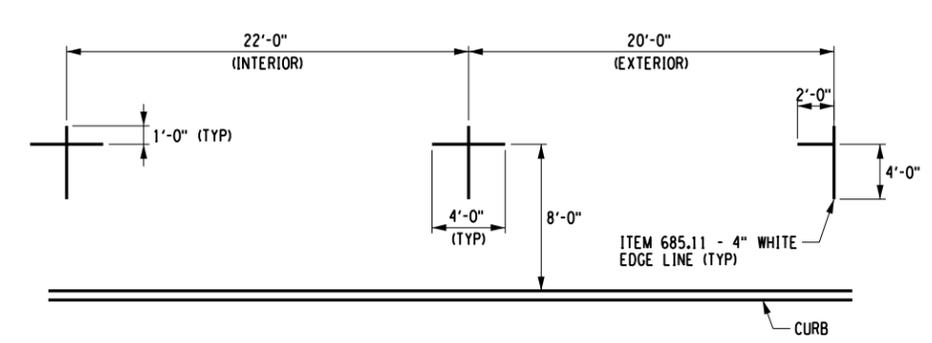
DETECTABLE WARNING RETROFIT DETAIL
NTS
STA D 50+70.0, RT



CURB MODIFICATION DETAIL
NTS
STA D 24+25.00, RT

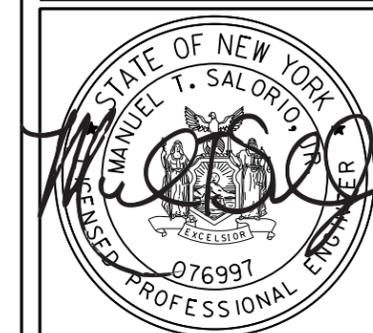


DECORATIVE CROSSWALK DETAIL
NTS



TYPICAL PARKING LANE MARKINGS DETAIL
NTS

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DATE/TIME = 2/21/2017
USER = 4066



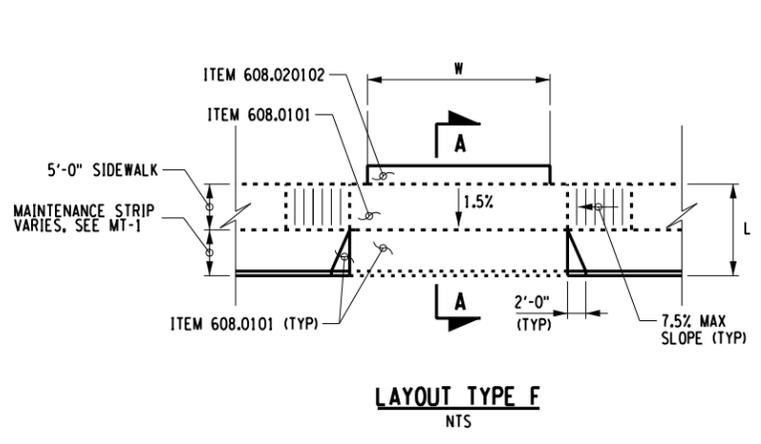
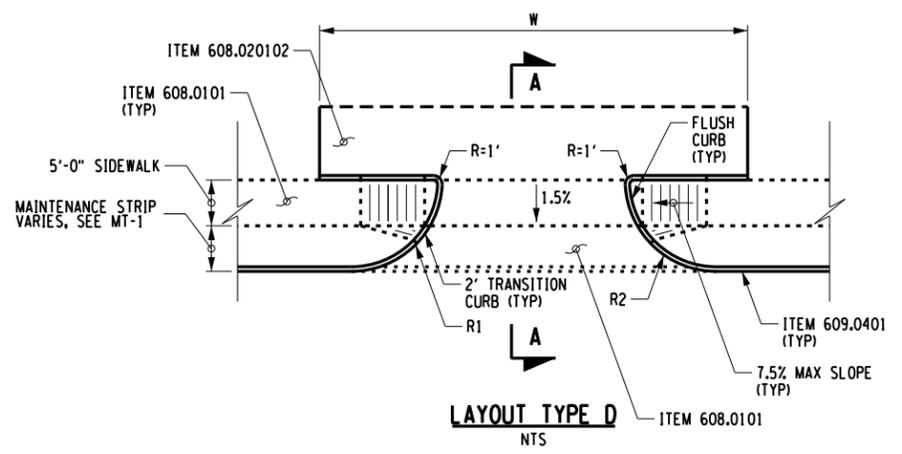
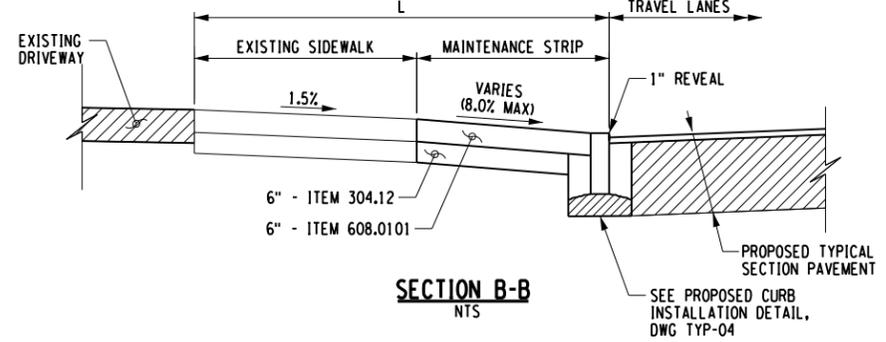
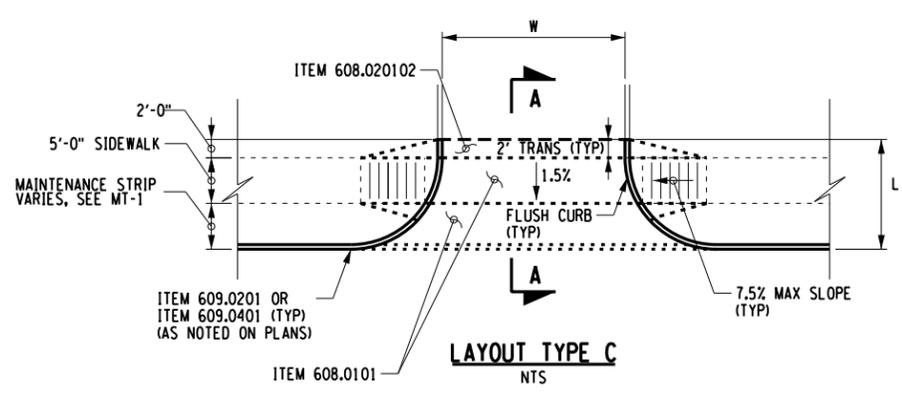
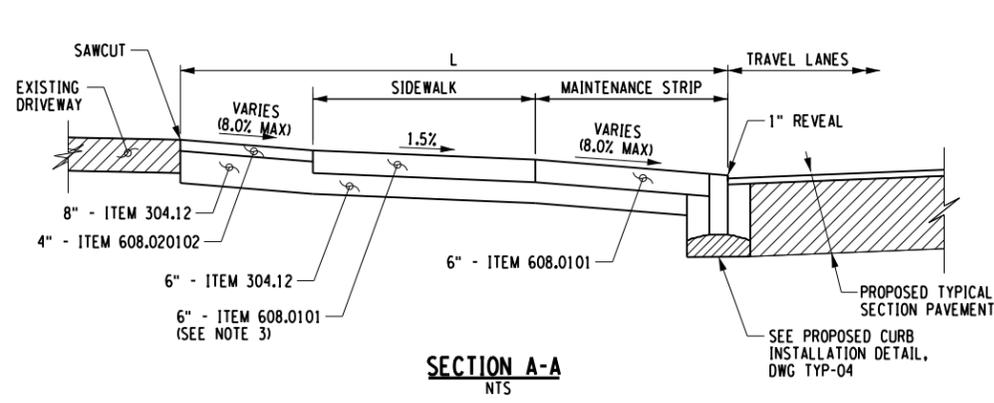
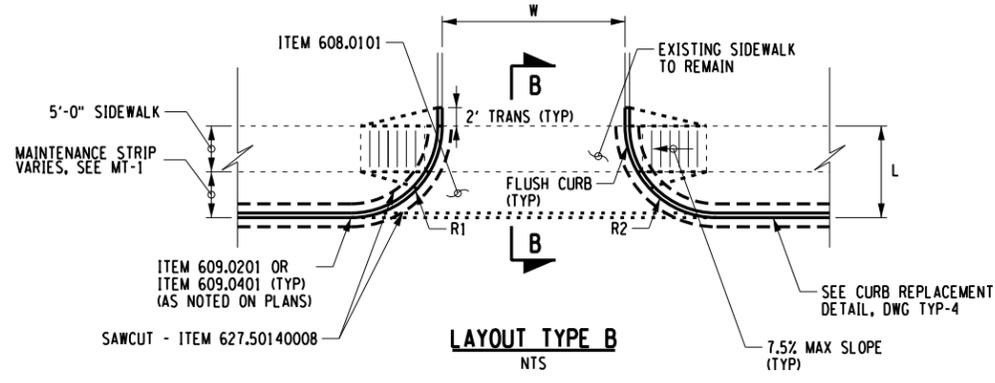
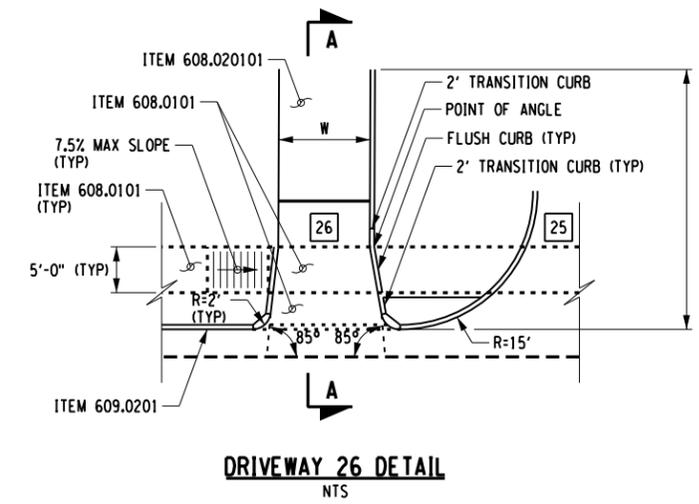
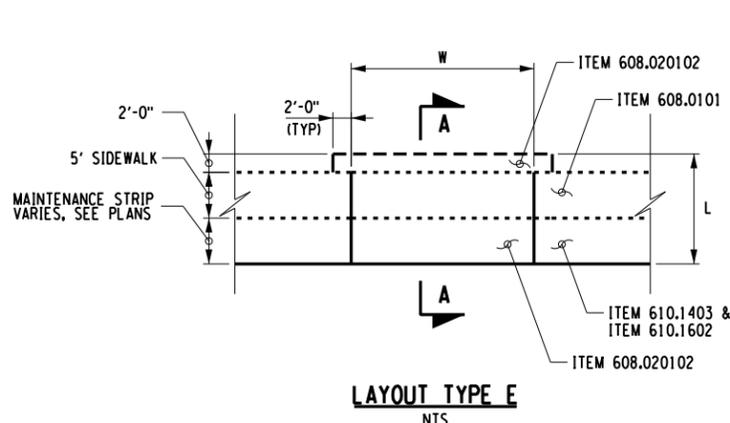
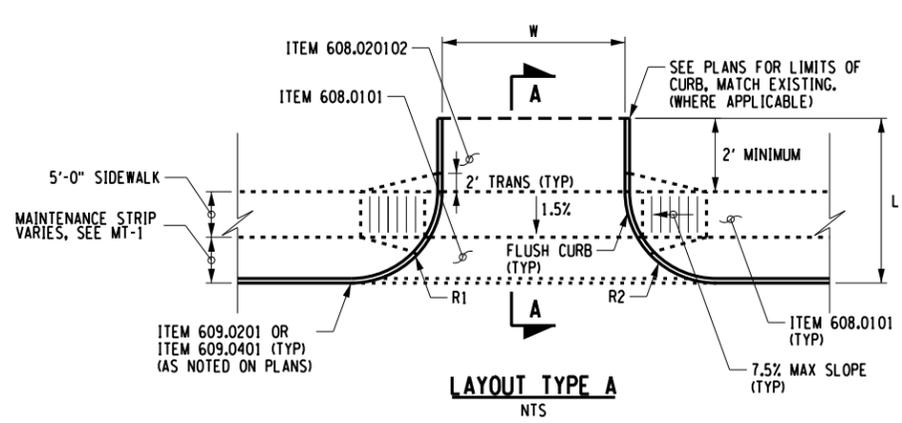
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

No.	Submittal / Revision	Appd.	Date

PIN 1759.68
DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

MISCELLANEOUS DETAILS

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: NTS	MD-2
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 31



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DATE/TIME = 2/21/2017
USER = 4066



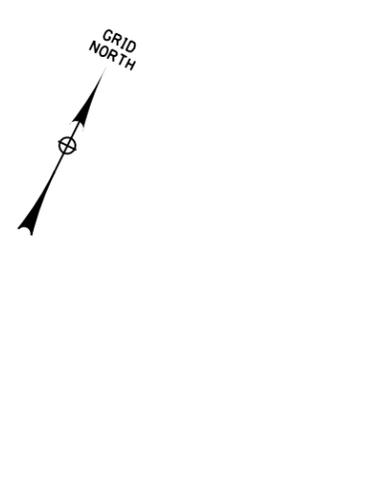
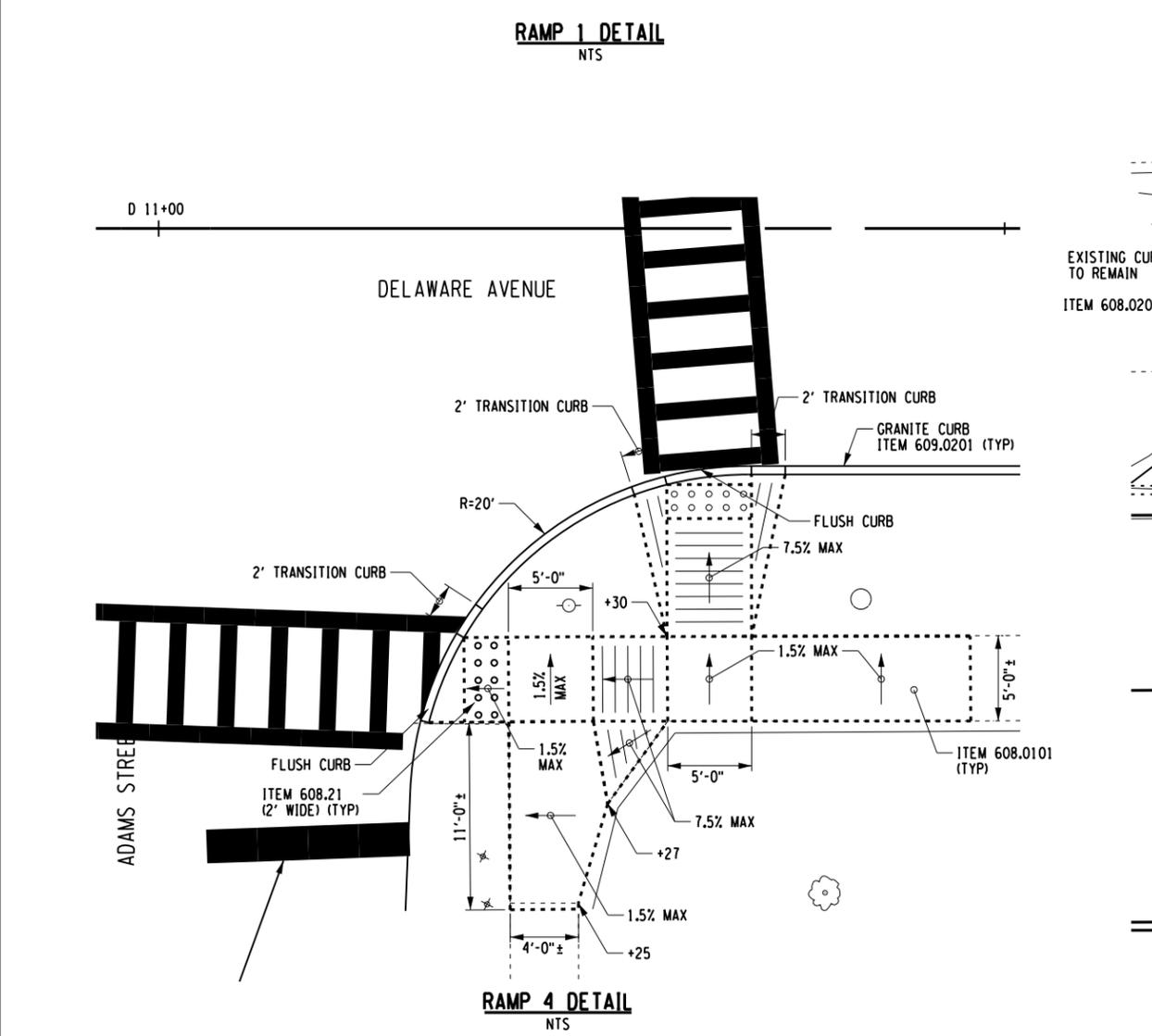
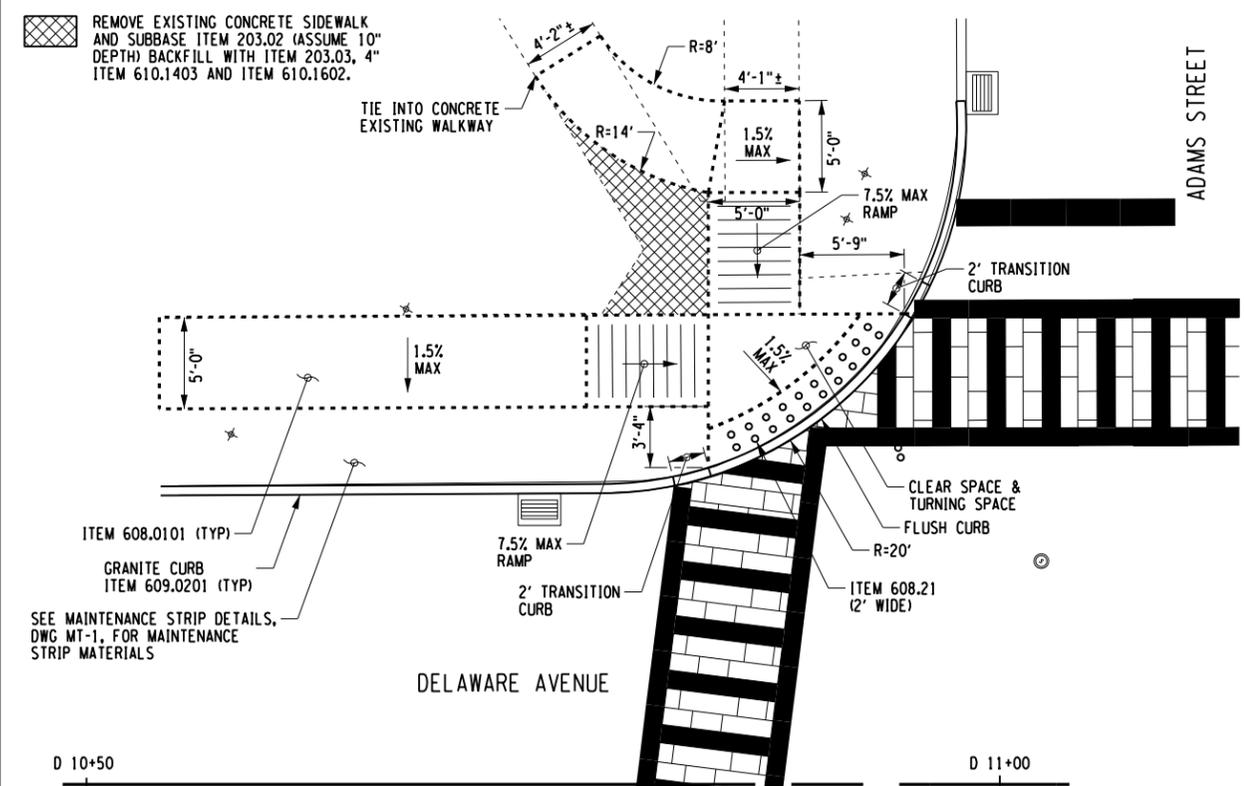
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PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
 TOWN OF BETHLEHEM, ALBANY COUNTY, NY

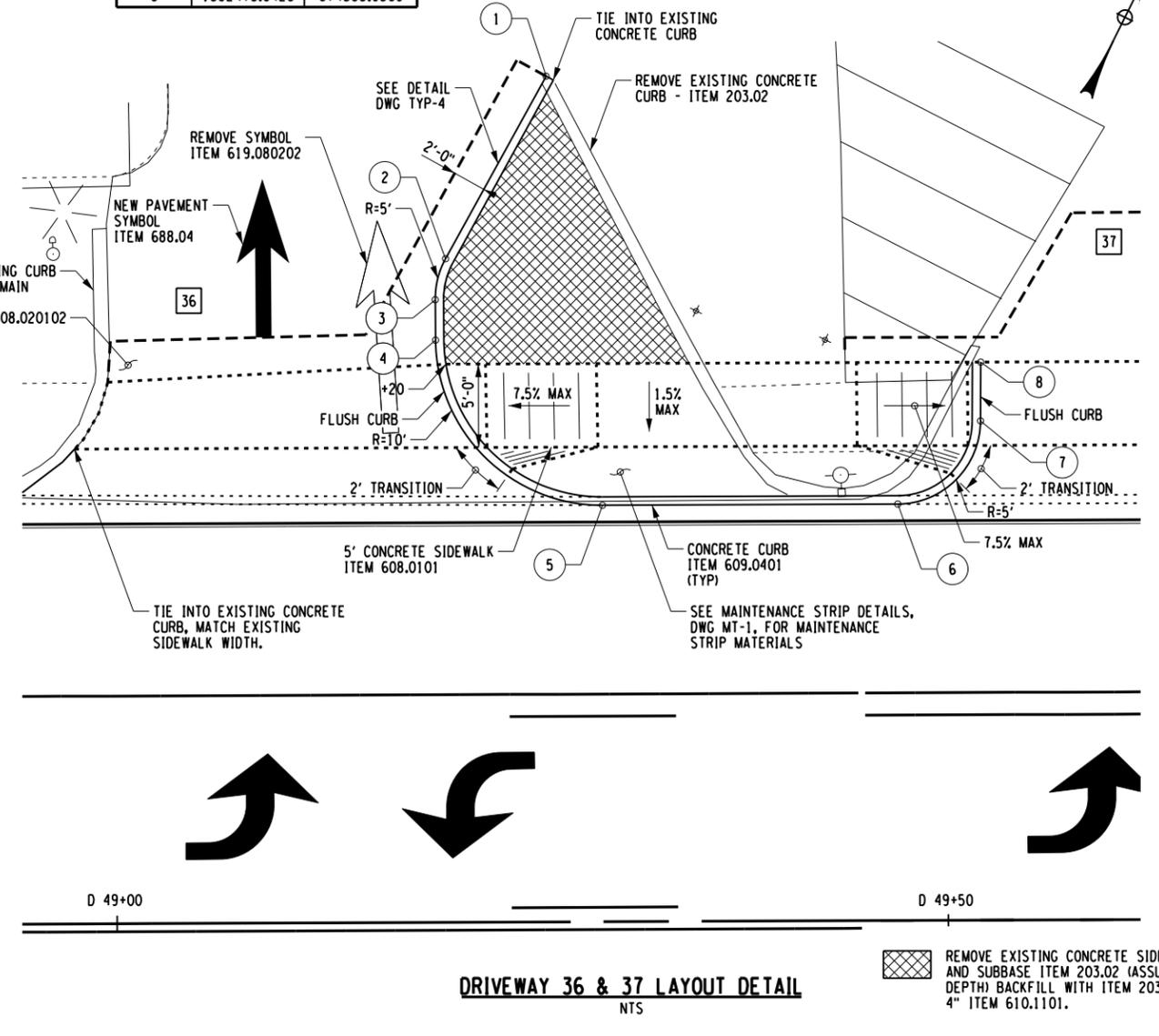
MISCELLANEOUS DETAILS

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: NTS	MD-3
Checked By: MTS	Plot Date: 2/21/2017	SHEET 32



DRIVEWAY 36 & 37

POINT	NORTHING	EASTING
1	1382476.8474	674554.0168
2	1382464.3420	674553.4494
3	1382461.8610	674553.9813
4	1382459.6970	674555.0744
5	1382455.2589	674568.4675
6	1382463.1949	674584.3614
7	1382469.8746	674586.6147
8	1382473.0428	674585.0569

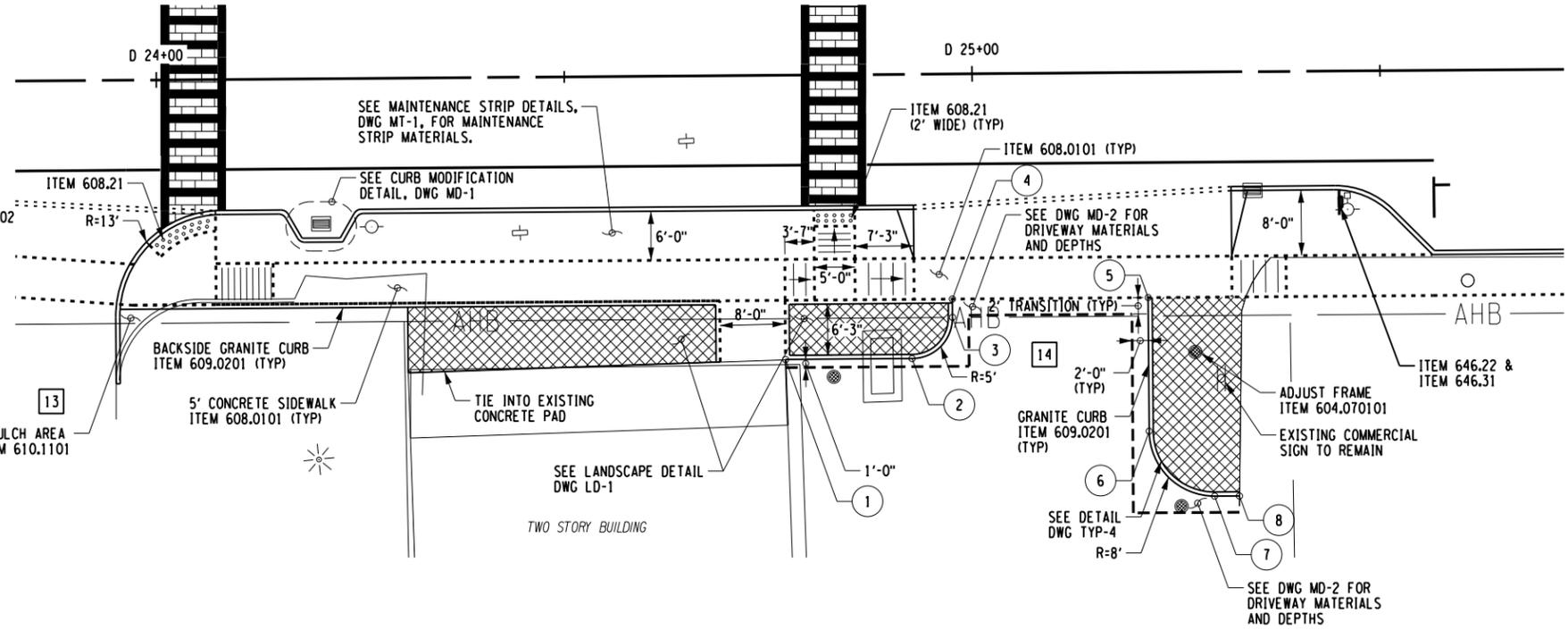


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 DATE/TIME = 2/21/2017
 USER = 4066

340 DELAWARE AVENUE		
POINT	NORTHING	EASTING
1	1381305.9457	672401.4065
2	1381312.9198	672415.2564
3	1381319.6343	672417.4734
4	1381321.6325	672416.4672
5	1381332.4264	672437.9030
6	1381317.8485	672445.2437
7	1381314.2908	672455.9662
8	1381315.6479	672458.6809

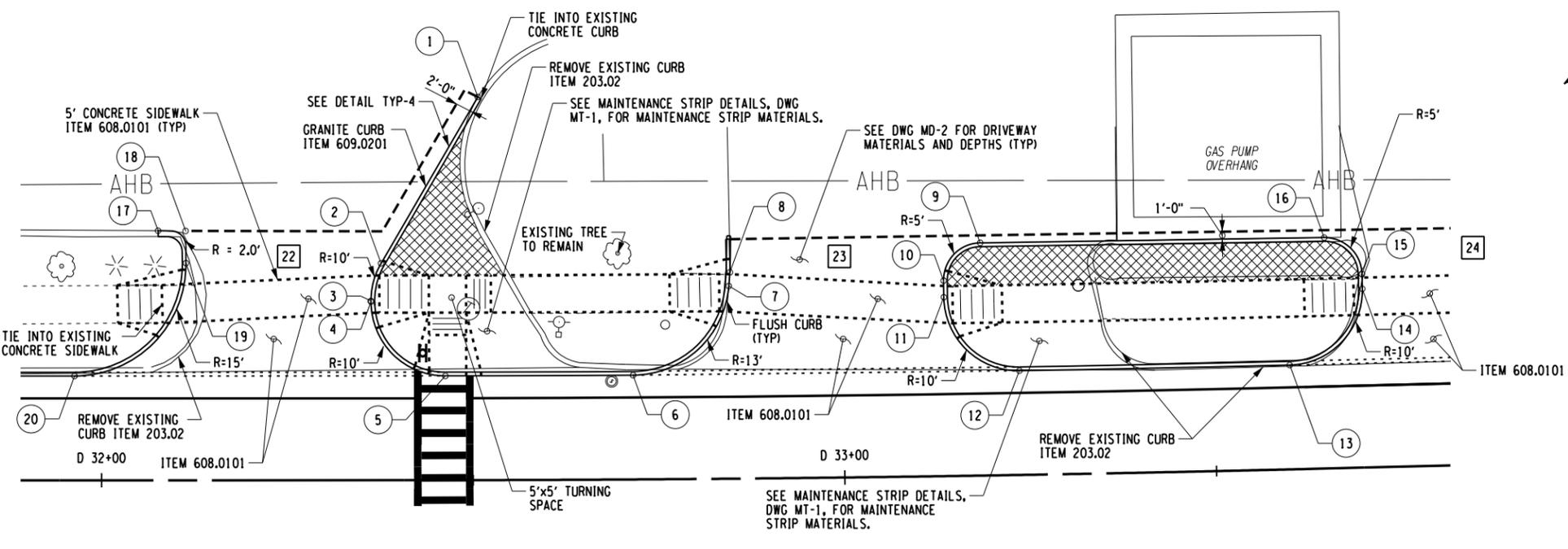
NOTE:
 1. LANDSCAPE MATERIALS TO BE PLANTED WILL BE COORDINATED WITH THE PROPERTY OWNER IN THE FIELD. AN EXTRA QUANTITY OF ITEM 611.0412, PLANTING - DECIDUOUS SHRUBS, HAS BEEN ADDED TO THE CONTRACT FOR THIS LOCATION.

REMOVE ASPHALT AND SUBBASE - ITEM 203.02 (ASSUME 10" DEPTH) BACKFILL WITH ITEM 203.03, 4" ITEM 610.1101, AND LANDSCAPE MATERIALS (SEE NOTE 1)



DRIVEWAY 13 AND 14 LAYOUT DETAIL
NTS

DRIVEWAY 22 & 23		
POINT	NORTHING	EASTING
1	1381727.5039	673055.8485
2	1381701.7073	673054.0693
3	1381696.5736	673055.0882
4	1381696.5020	673055.1237
5	1381691.9889	673068.5241
6	1381703.2659	673091.1195
7	1381719.7027	673097.3583
8	1381721.4191	673096.6731
9	1381739.8825	673125.1074
10	1381733.1579	673122.9382
11	1381731.1699	673123.9545
12	1381728.1271	673136.7635
13	1381744.7107	673169.0432
14	1381757.1177	673173.9236
15	1381758.8870	673173.9953
16	1381761.0124	673166.2850
17	1381693.9637	673028.5719
18	1381692.3463	673025.2472
19	1381690.1123	673030.5292
20	1381669.8709	673023.8062



DRIVEWAY 22 & 23 LAYOUT DETAIL
NTS

REMOVE ASPHALT AND SUBBASE - ITEM 203.02 (ASSUME 10" DEPTH) BACKFILL WITH ITEM 203.03 AND 4" ITEM 610.1101

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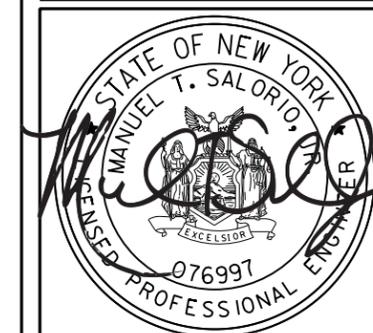
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No.	Submittal / Revision	Appd.	Date

PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
 TOWN OF BETHLEHEM, ALBANY COUNTY, NY

MISCELLANEOUS DETAILS

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: NTS	MD-4
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 33



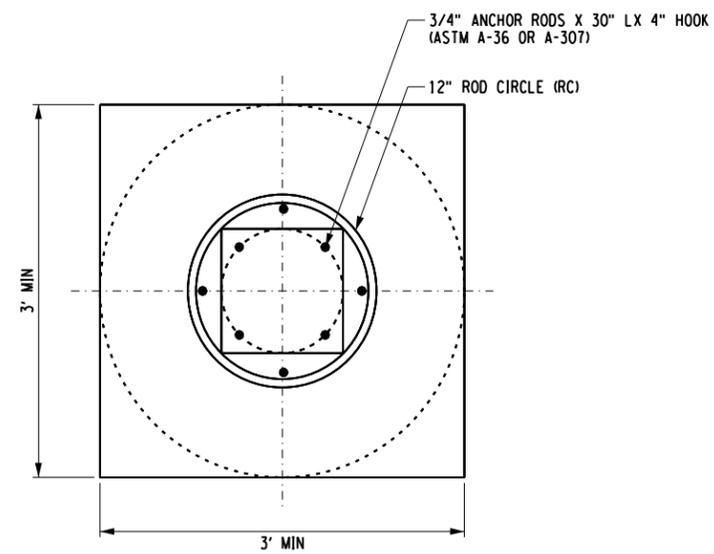
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DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
 TOWN OF BETHLEHEM, ALBANY COUNTY, NY

MISCELLANEOUS DETAILS

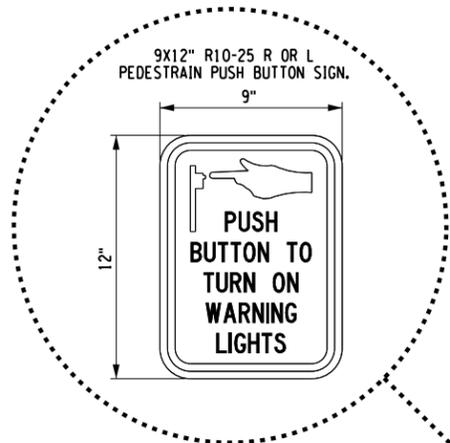
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Drawn By: MED	Scale: NTS	MD-5
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 34



DETAIL "A"
NTS

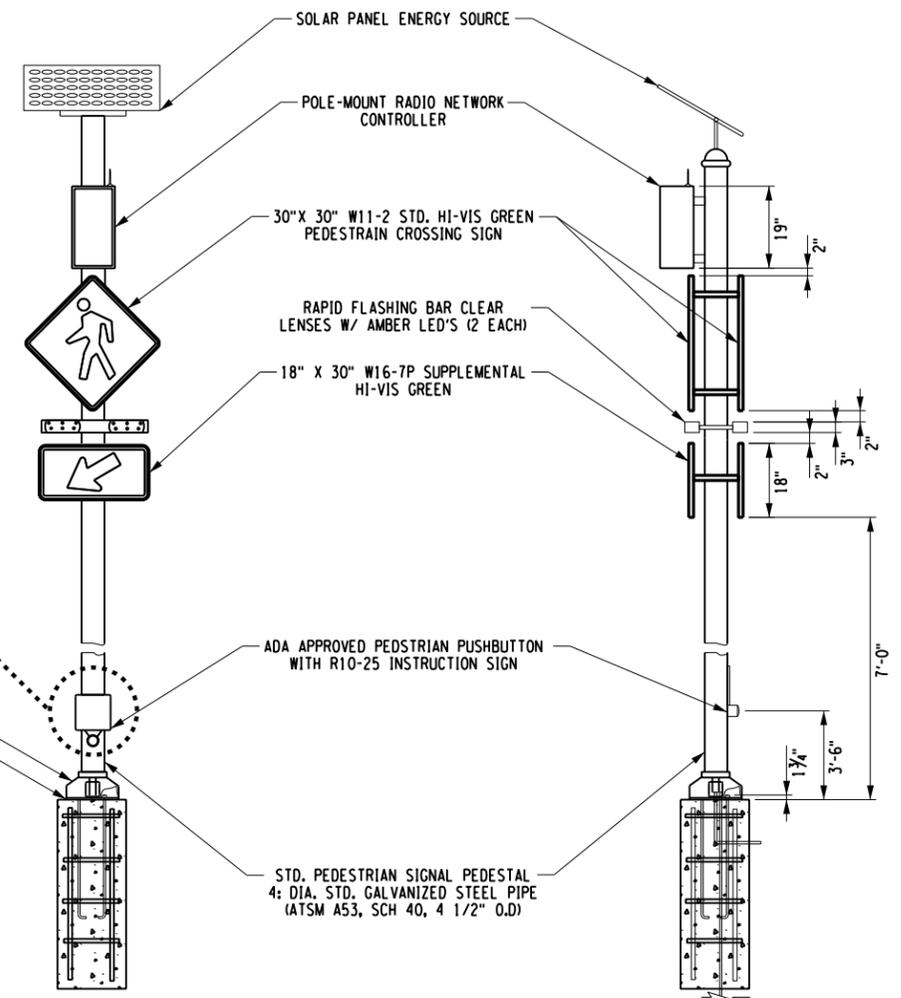
NOTES:

1. NOTIFY DIG SAFELY - NEW YORK AT (800) 962-7962 PRIOR TO ANY EXCAVATION.
2. SOLAR PANEL SHALL NOT EXCEED THE WIDTH OF SIGN PANEL TO AVOID DAMAGE AND POTENTIAL UTILITY CONFLICTS.
3. ALL ADA STANDARDS SHALL BE MET WITH PLACEMENT OF THE SIGN WITH THE WITH THE PROPOSED CROSSWALKS.
4. WHEN MULTIPLE UNITS ARE USED AT A LOCATION CONTRACTOR SHALL USE DIFFERENT RADIO FREQUENCIES TO AVOID COMMUNICATION ISSUES.
5. RRFB SHALL BE INSTALLED BACK TO BACK.



NOTE: BASE MOUNTED FLUSH WITH SIDEWALK OR ISLAND

"K" FOOTING WIDTH



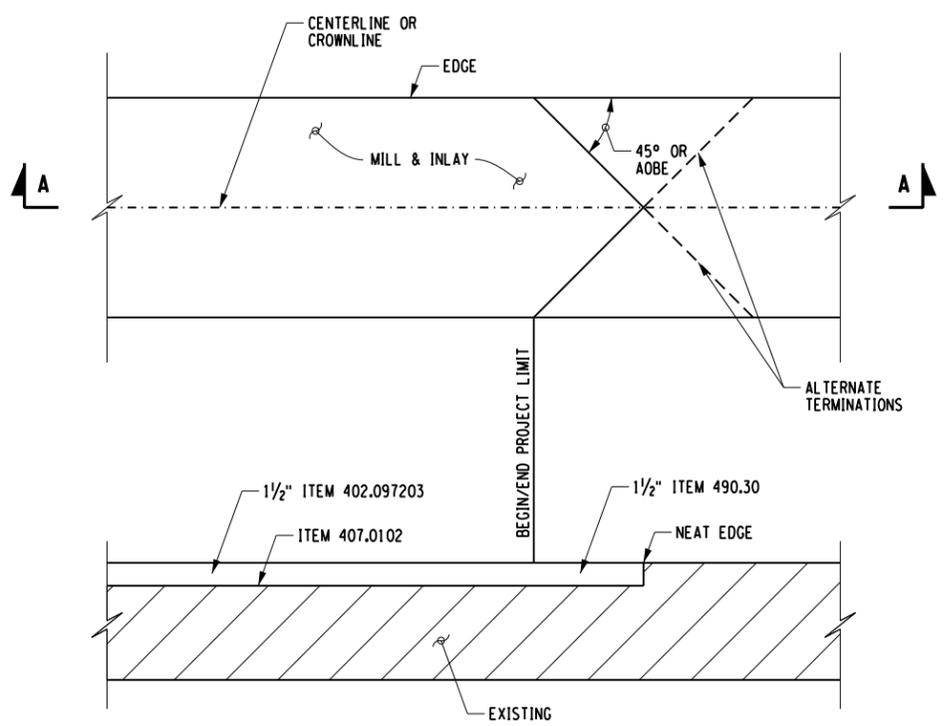
FRONT VIEW

SIDE VIEW

BI-DIRECTIONAL RECTANGULAR RAPID FIRE FLASHING BEACONS (RRFB)
SOLAR POWERED WITH BREAKAWAY ITEM 680.82220110
 STA D 32+43.00 LT & RT

NOTE:

1. EXCAVATION, CONCRETE FOUNDATIONS, AND SIGNS ARE INCLUDED UNDER THE UNIT PRICE FOR ITEM 680.82220110



SECTION A-A
NTS

PAVEMENT TREATMENT DETAIL

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 DATE / TIME = 2/21/2017
 USER = 4066



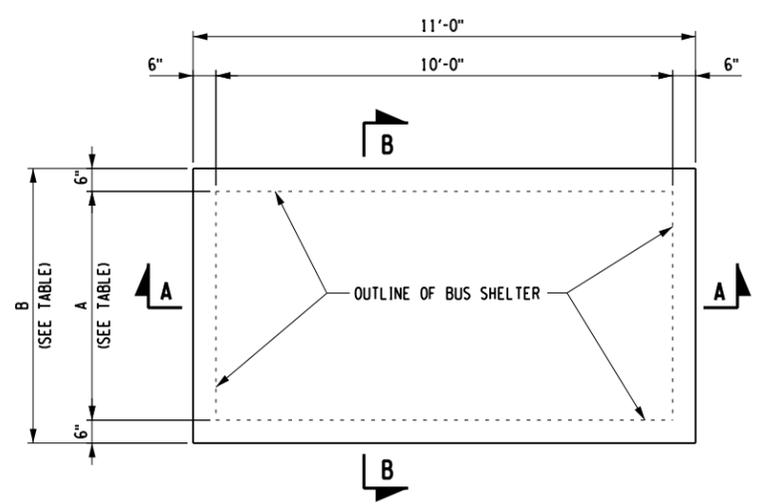
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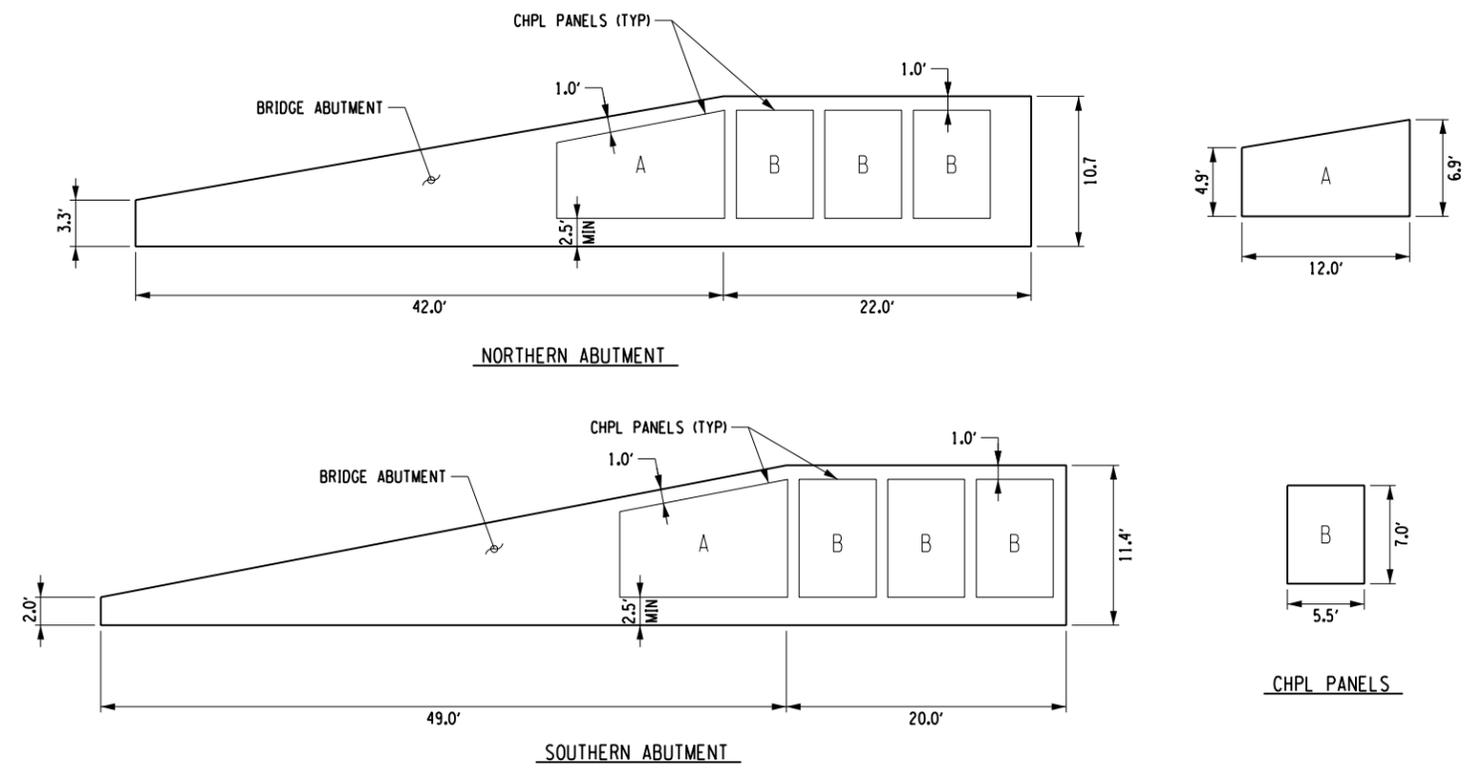
PIN 1759.68
**DELAWARE AVENUE HAMLET
 MULTI-MODAL STREETScape
 ENHANCEMENTS**
 TOWN OF BETHLEHEM,
 ALBANY COUNTY, NY

**MISCELLANEOUS
 DETAILS**

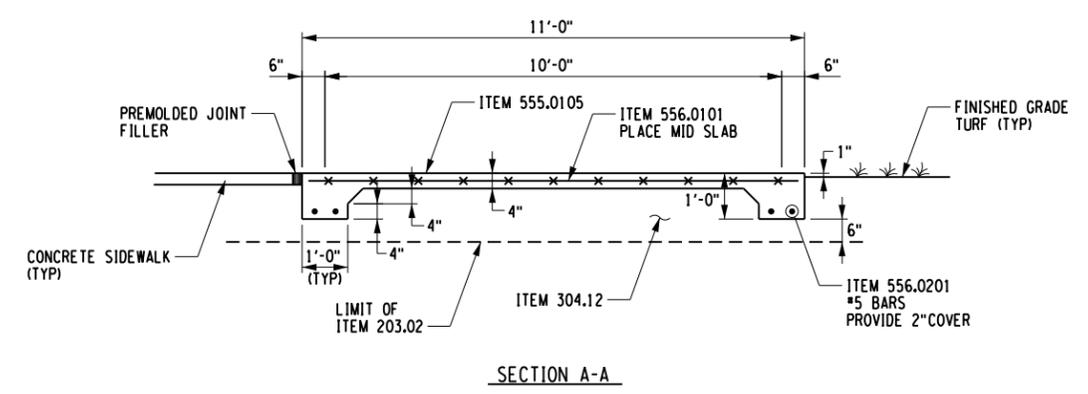
Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: NTS	MD-6
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 35



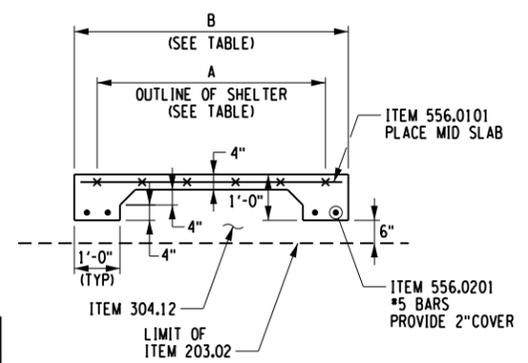
PLAN - BUS SHELTER CONCRETE PAD



MURAL PANEL DETAIL - ITEM 645.3401004
 NTS



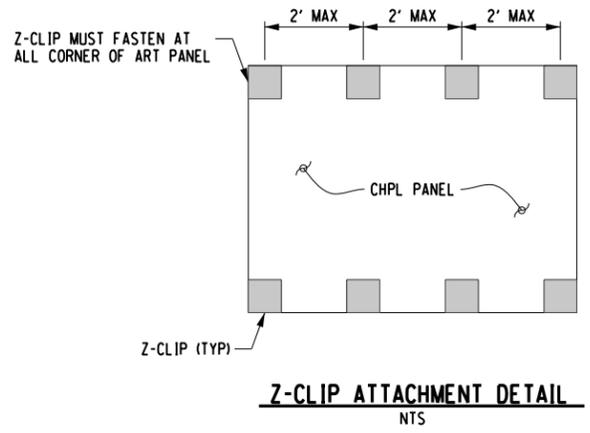
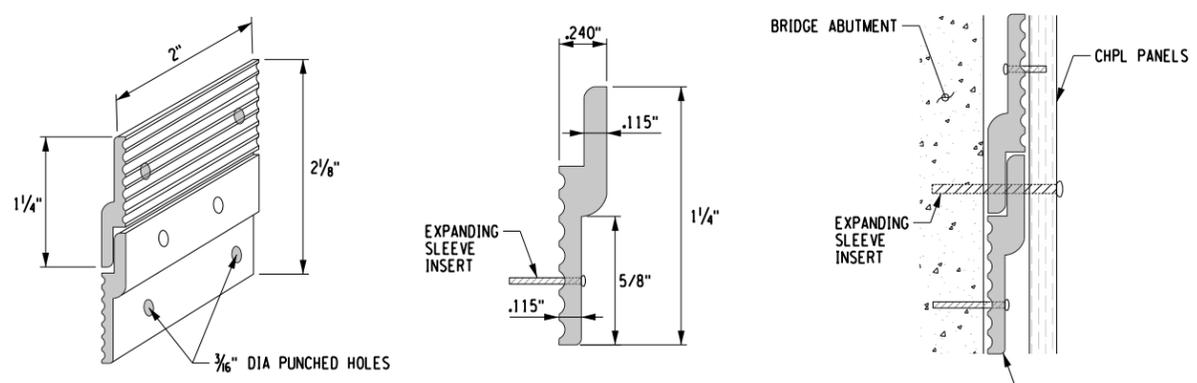
SECTION A-A



SECTION B-B

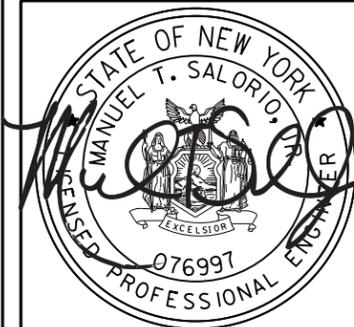
BUS SHELTER		
SHELTER SIZE	A	B
3' x 10'	3'	4'
5' x 10'	5'	6'

PLAN - BUS SHELTER PAD DETAILS
 NTS



Z-CLIP ATTACHMENT DETAIL
 NTS

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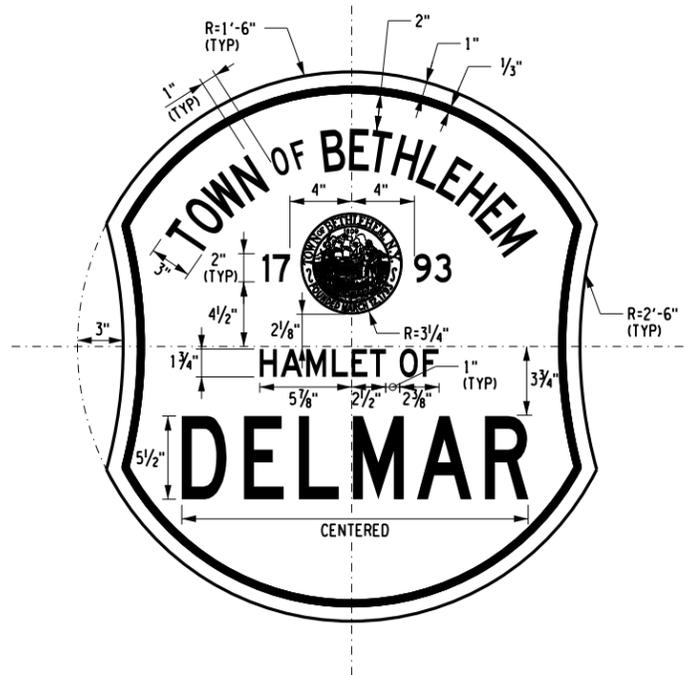
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DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

MISCELLANEOUS
DETAILS

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: NTS	MD-7
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 36

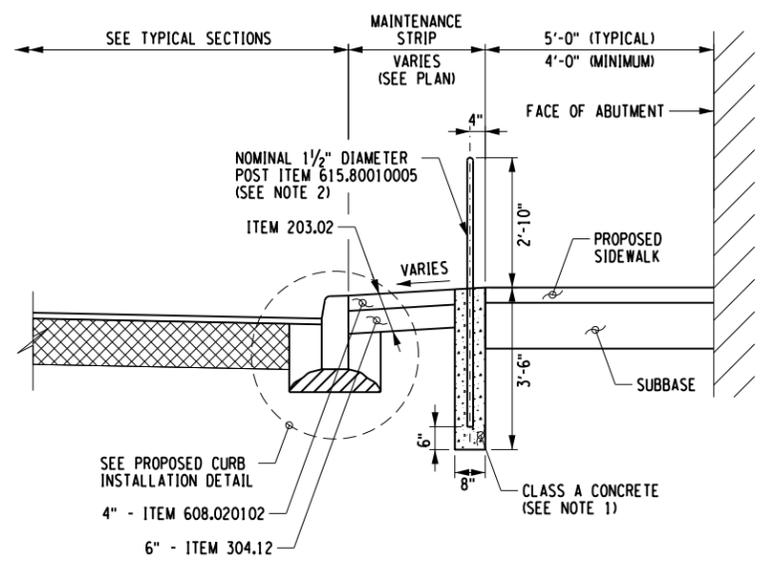


HAMLET SIGN DETAIL
NTS

- COLOR: BLACK BORDER & LETTERS
WHITE BACKGROUND
- MATERIAL: .100" FLAT SHEET ALUMINUM
- FONT: TYPE D FONT
- POST: 2" ROUND TYPE A (SEE NOTE 2)

NOTES:

1. THE CONTRACT INCLUDES TWO HAMLET SIGNS. ONE SIGN SHALL SPECIFY "HAMLET OF DELMAR" AND THE OTHER SHALL SPECIFY "HAMLET OF ELSMERE". THE CONTRACTOR SHALL COORDINATE WITH THE TOWN PLANNER TO DETERMINE THE FINAL LOCATION OF THE HAMLET SIGNS.
2. SIGN POSTS SHALL BE TYPE A, 2" ROUND, POWDER-COATED WHITE POSTS. POST SHALL CONFORM TO ASTM A-653, GRADE 55. SIGNS POST WILL BE PAID UNDER ITEM 645.81. SIGN PANELS WILL BE PAID UNDER ITEM 645.5101.



PEDESTRIAN RAIL DETAIL

STA D 37+20.00 TO STA D 38+61.00, LT
STA D 38+11.00 TO STA D 38+90.00, RT

NOTES:

1. COST OF CONCRETE AND EXCAVATION REQUIRED TO BE INCLUDED IN COST BID FOR ITEM 615.80010005.
2. FENCE SHALL CONTAIN VERTICAL BALUSTERS AND SHALL BE INSTALLED PER THE MANUFACTURERS SPECIFICATION

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PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

GENERAL PLAN

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	GP-1
Checked By: MTS	Plot Date: 2/21/2017	

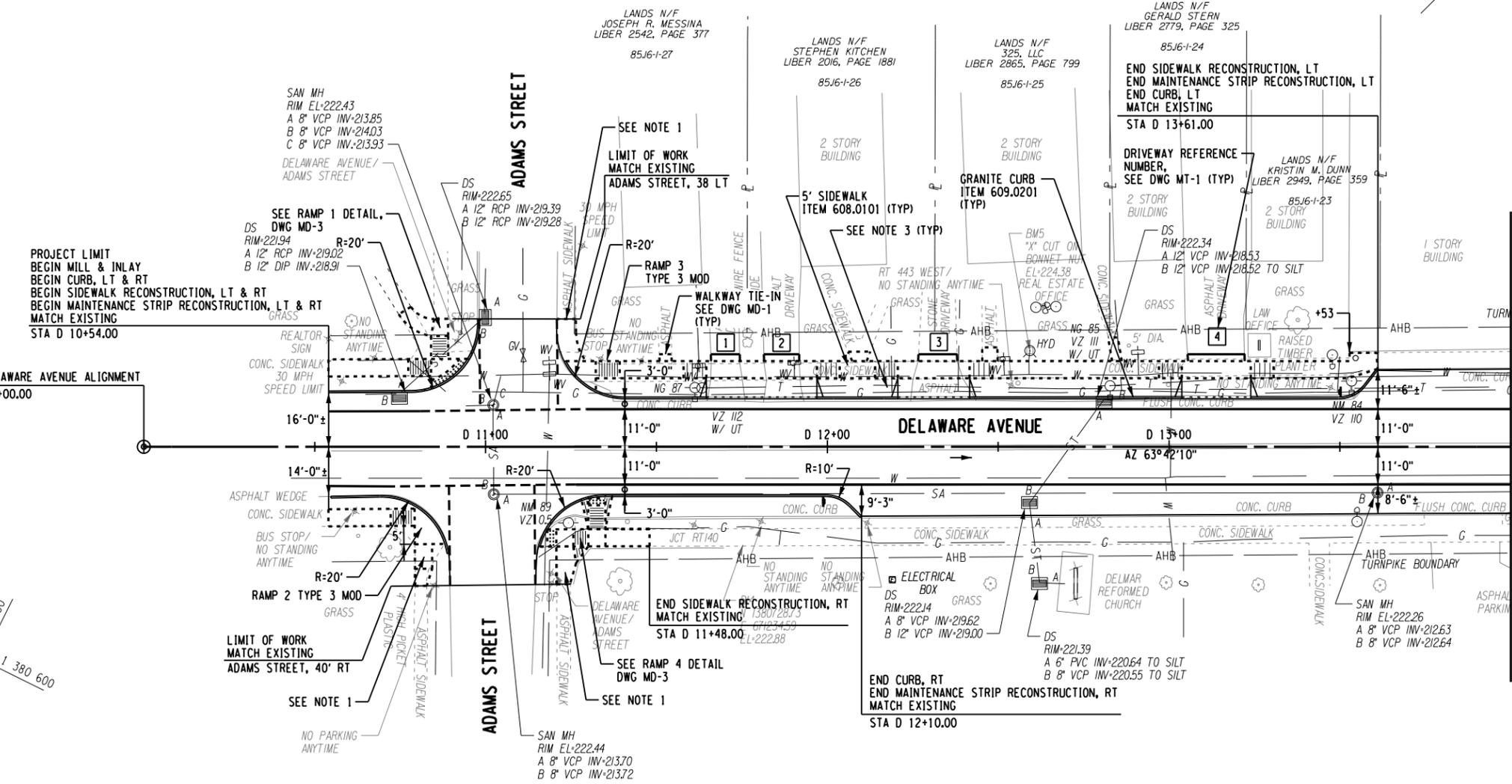


E 671 050
N 1 380 850

E 671 350
N 1 381 000

E 671 050
N 1 380 600

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N 1 380 600

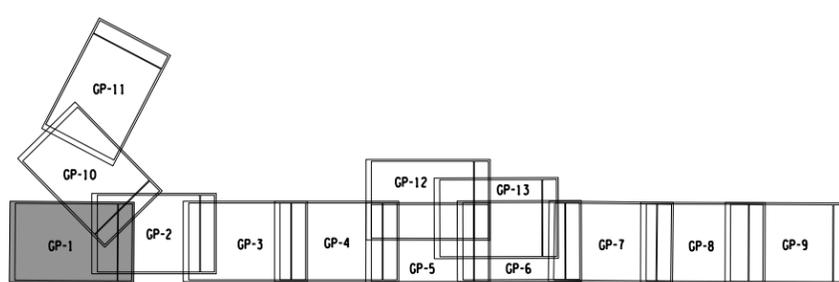


MATCH LINE STA D 14+00.00, SEE DWG GP-2

PROJECT LIMIT
BEGIN MILL & INLAY
BEGIN CURB, LT & RT
BEGIN SIDEWALK RECONSTRUCTION, LT & RT
BEGIN MAINTENANCE STRIP RECONSTRUCTION, LT & RT
MATCH EXISTING
STA D 10+54.00

BEGIN DELAWARE AVENUE ALIGNMENT
STA D 10+00.00

KEY PLAN
NTS



- NOTES:**
1. THE PROPOSED SIDEWALK SHALL TIE-IN RAMP LEVEL AREA TO EXISTING UNCURBED SIDEWALK.
 2. SEE RAMP TABLE, DWG MT-1.
 3. SEE MAINTENANCE STRIP DETAILS, DWG MT-1 FOR MAINTENANCE STRIP MATERIALS AND WIDTHS.



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DATE/TIME = 2/21/2017
USER = 4066



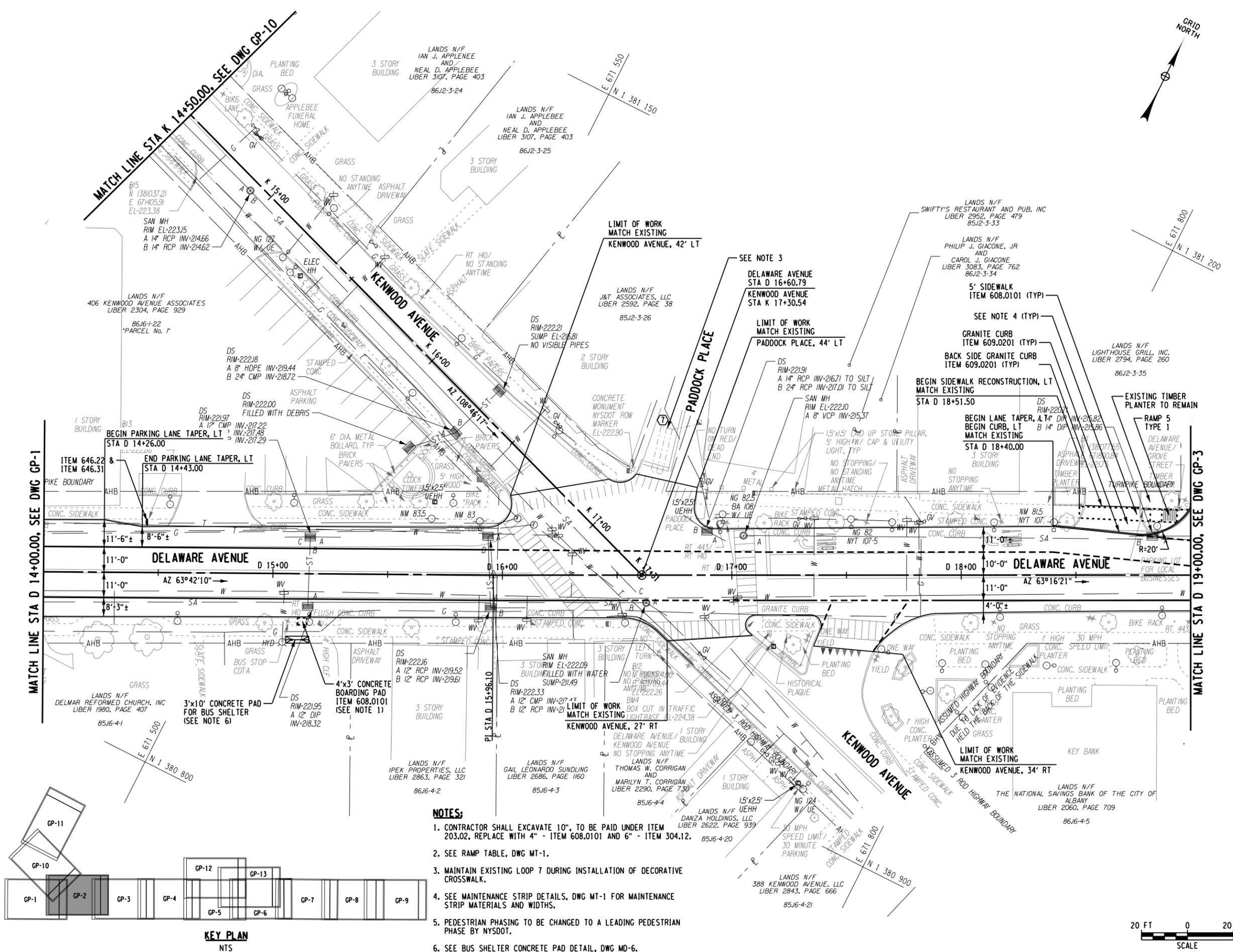
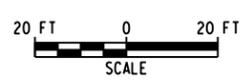
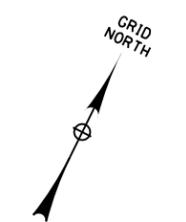
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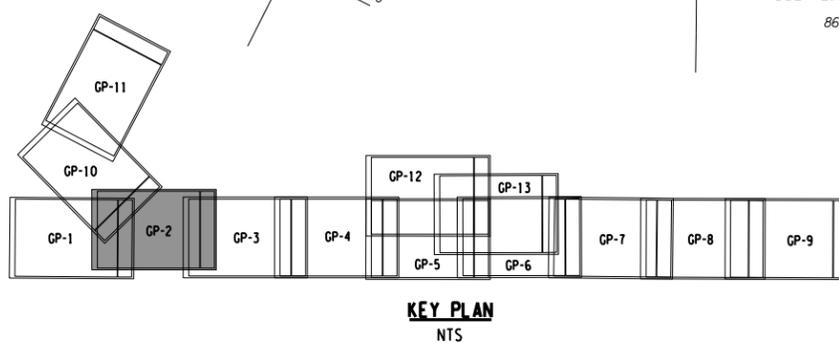
PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
TOWN OF BETHLEHEM, ALBANY COUNTY, NY

GENERAL PLAN

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	GP-2
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 38



- NOTES:**
- CONTRACTOR SHALL EXCAVATE 10", TO BE PAID UNDER ITEM 203.02, REPLACE WITH 4" - ITEM 608.0101 AND 6" - ITEM 304.12.
 - SEE RAMP TABLE, DWG MT-1.
 - MAINTAIN EXISTING LOOP 7 DURING INSTALLATION OF DECORATIVE CROSSWALK.
 - SEE MAINTENANCE STRIP DETAILS, DWG MT-1 FOR MAINTENANCE STRIP MATERIALS AND WIDTHS.
 - PEDESTRIAN PHASING TO BE CHANGED TO A LEADING PEDESTRIAN PHASE BY NYSOT.
 - SEE BUS SHELTER CONCRETE PAD DETAIL, DWG MD-6.



FILE NAME = V:\P\projects\175968\175968.dwg
DATE/TIME = 2/21/2017
USER = 4066



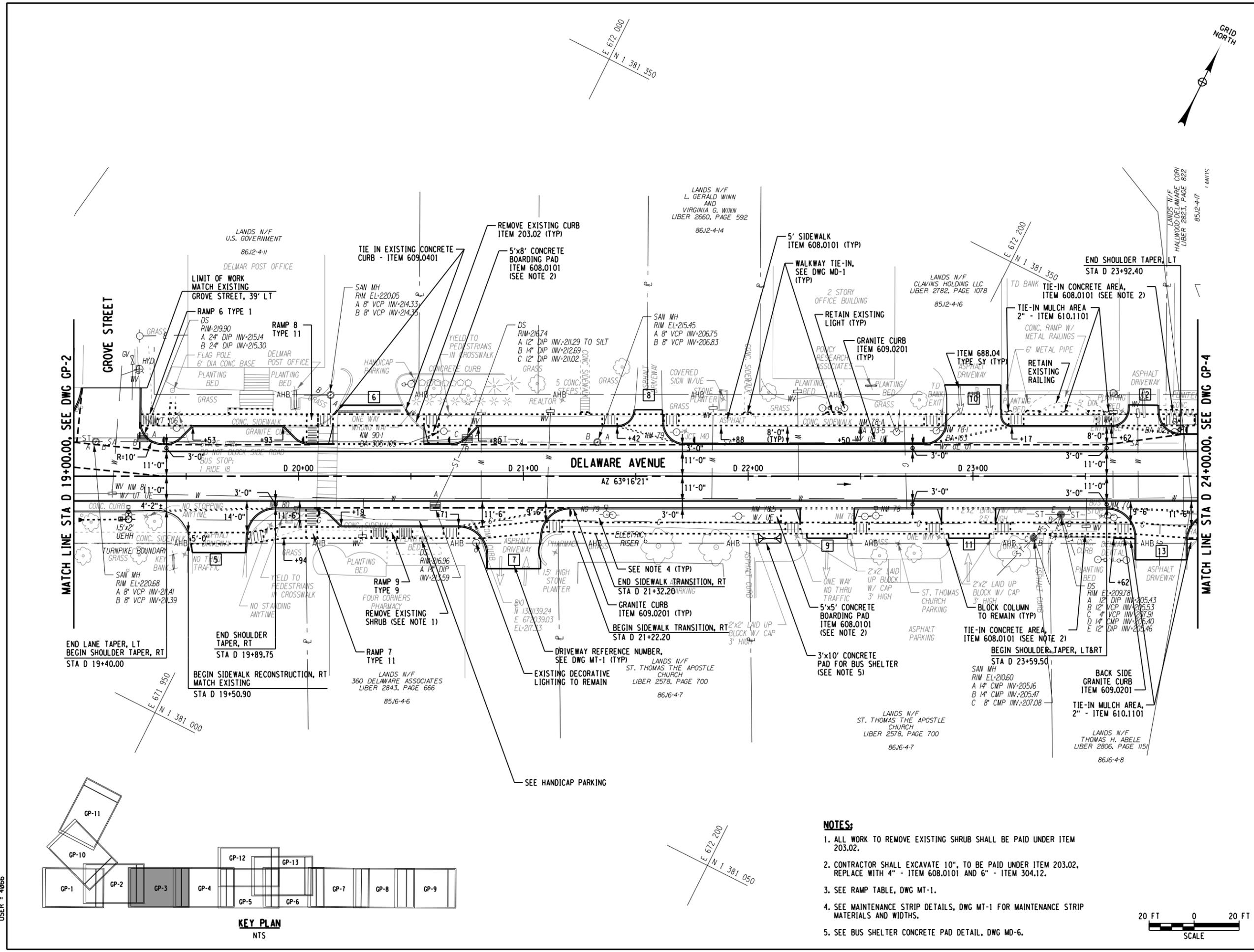
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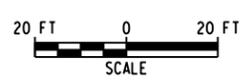
PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

GENERAL PLAN

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	GP-3
Checked By: MTS	Plot Date: 2/21/2017	SHEET 39



- NOTES:**
- ALL WORK TO REMOVE EXISTING SHRUB SHALL BE PAID UNDER ITEM 203.02.
 - CONTRACTOR SHALL EXCAVATE 10", TO BE PAID UNDER ITEM 203.02, REPLACE WITH 4" - ITEM 608.0101 AND 6" - ITEM 304.12.
 - SEE RAMP TABLE, DWG MT-1.
 - SEE MAINTENANCE STRIP DETAILS, DWG MT-1 FOR MAINTENANCE STRIP MATERIALS AND WIDTHS.
 - SEE BUS SHELTER CONCRETE PAD DETAIL, DWG MD-6.



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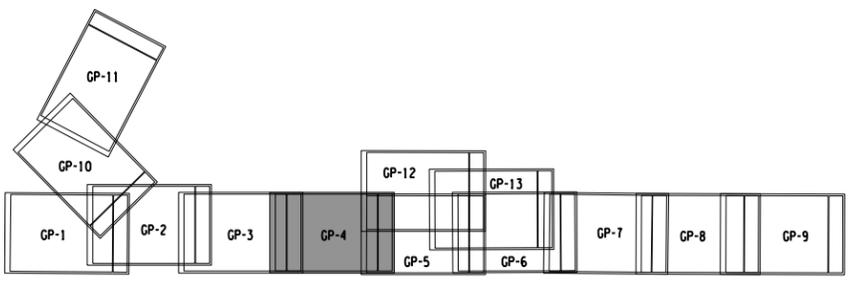
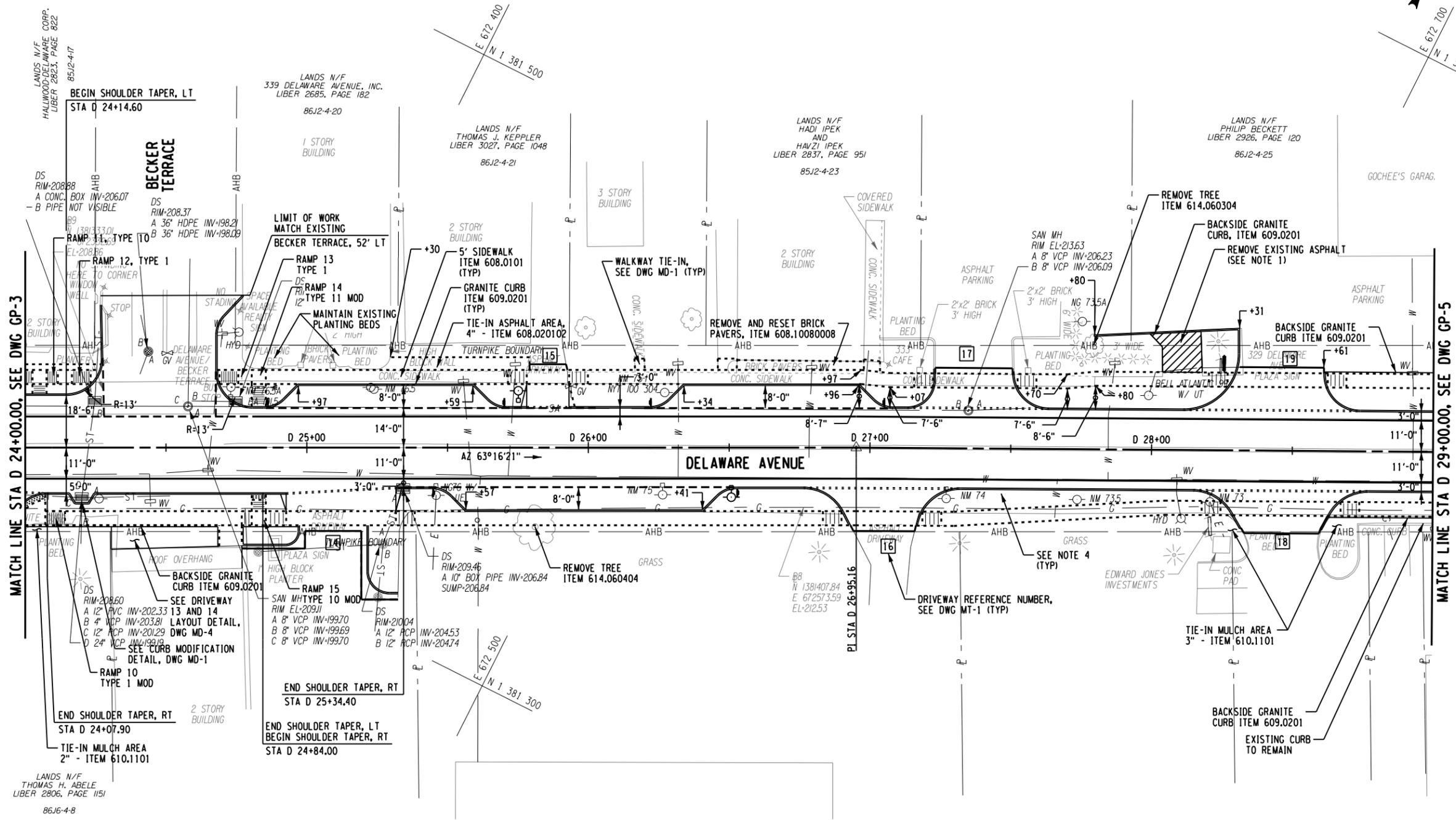
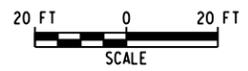
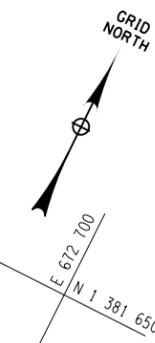
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

No.	Submission / Revision	Appd.	Date

PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
TOWN OF BETHLEHEM, ALBANY COUNTY, NY

GENERAL PLAN

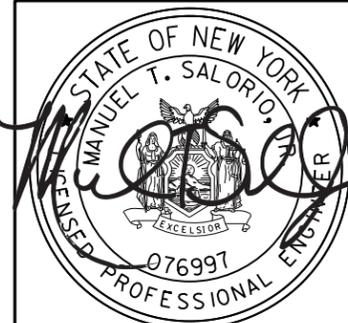
Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	GP-4
Checked By: MTS	Plot Date: 2/21/2017	



KEY PLAN
NTS

- NOTES:**
1. WORK TO REMOVE EXISTING ASPHALT DRIVEWAY TO BE PAID FOR UNDER ITEM 203.02. CONTRACTOR WILL RESTORE DISTURBED AREA WITH EMBANKMENT - ITEM 203.03, 4 INCHES OF TOPSOIL - ITEM 610.1403, AND SEED - ITEM 610.1602.
 2. CONTRACTOR SHALL EXCAVATE 10", TO BE PAID UNDER ITEM 203.02, REPLACE WITH 4" - ITEM 608.0101 AND 6" - ITEM 304.12.
 3. SEE RAMP TABLE, DWG MT-1.
 4. SEE MAINTENANCE STRIP DETAILS, DWG MT-1 FOR MAINTENANCE STRIP MATERIALS AND WIDTHS.

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DATE/TIME = 2/21/2017
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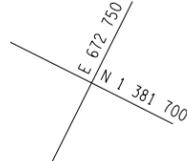
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No.	Submittal / Revision	Appd.	Date

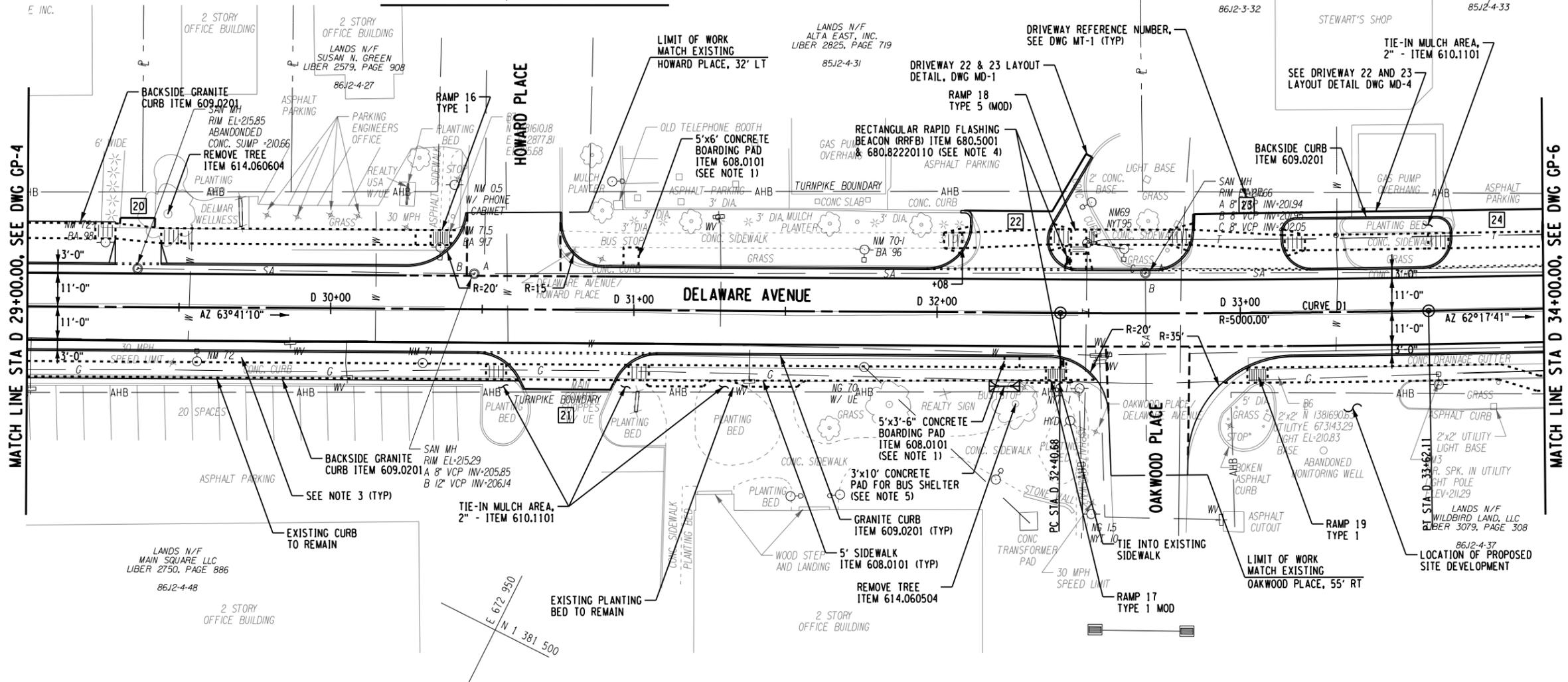
PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
TOWN OF BETHLEHEM, ALBANY COUNTY, NY

GENERAL PLAN

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	GP-5
Checked By: MTS	Plot Date: 2/21/2017	SHEET 41

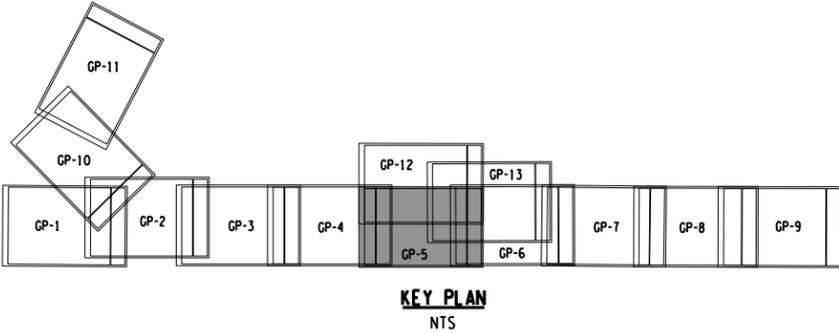


MATCH LINE, SEE DWG GP-12



MATCH LINE STA D 29+00.00, SEE DWG GP-4

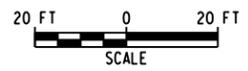
MATCH LINE STA D 34+00.00, SEE DWG GP-6



CURVE D1	
PC = STA D 32+40.68	
PT = STA D 33+62.11	
R = 5,000.00'	
L = 121.43'	
T = 60.72'	
Δ = 1°-23'-29"	
emax = N/A	

NOTES:

- CONTRACTOR SHALL EXCAVATE 10", TO BE PAID UNDER ITEM 203.02, FOR 4" - ITEM 608.0101 AND 6" - ITEM 304.12.
- SEE RAMP TABLE, DWG MT-1.
- SEE MAINTENANCE STRIP DETAILS, DWG MT-1 FOR MAINTENANCE STRIP MATERIALS AND WIDTHS.
- THE RRFB INCLUDED UNDER ITEM 680.82220110 SHALL BE A BI-DIRECTION RRFB. IT SHALL BE LOCATED ADJACENT TO AN ADA COMPLIANT LANDING. SEE RRFB DETAIL DWG MD-5.
- SEE BUS SHELTER CONCRETE PAD DETAIL, DWG MD-6.



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DATE/TIME = 2/21/2017
USER = 4066



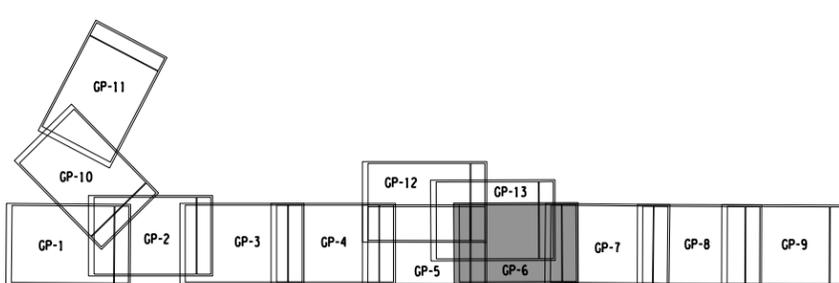
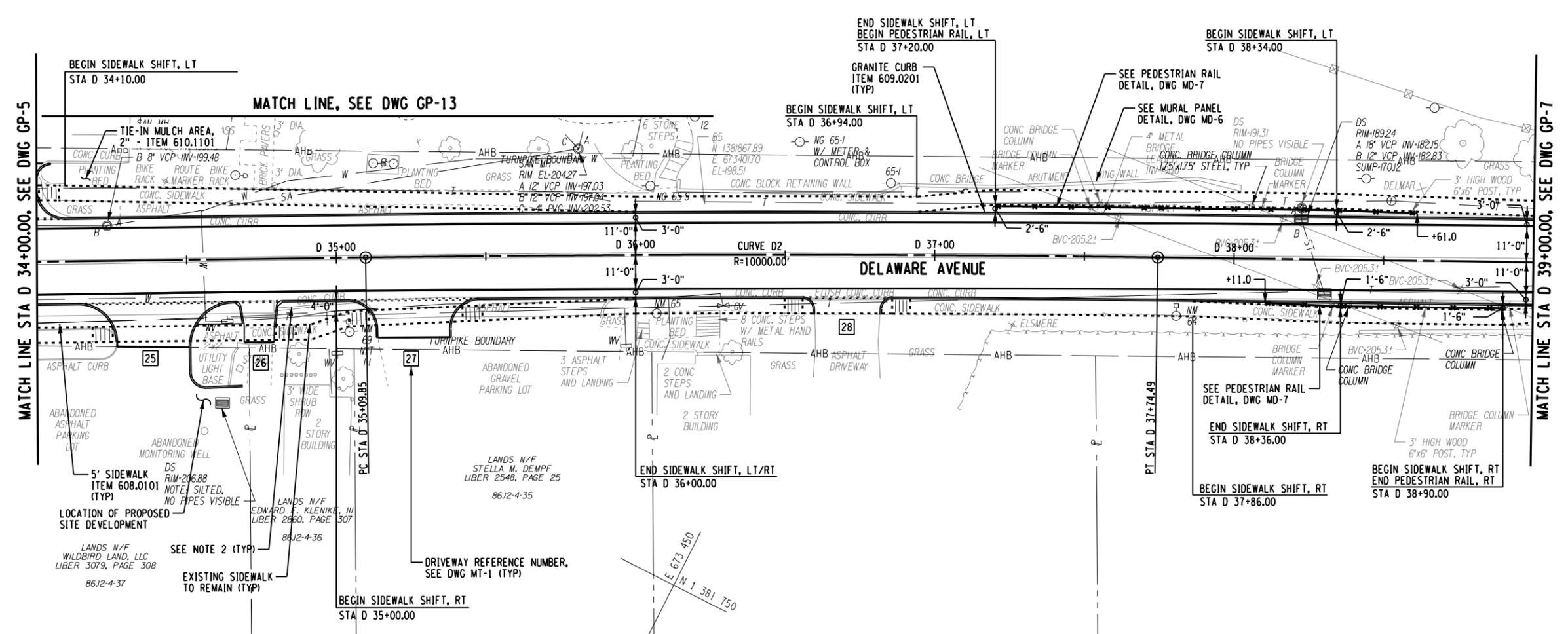
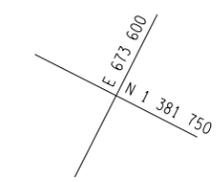
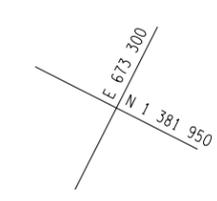
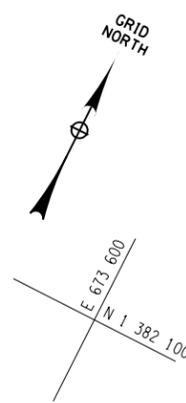
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

No.	Submittal / Revision	Appd.	Date

PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
TOWN OF BETHLEHEM, ALBANY COUNTY, NY

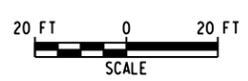
GENERAL PLAN

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	GP-6
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 42



CURVE D2
PC = STA D 35+09.85
PT = STA D 37+74.49
R = 10,000.00'
L = 264.64'
T = 132.33'
Δ = 1°-30'-59"
emax = N/A

- NOTES:**
- SEE RAMP TABLE, DWG MT-1.
 - SEE MAINTENANCE STRIP DETAILS, DWG MT-1 FOR MAINTENANCE STRIP MATERIALS AND WIDTHS.



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IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

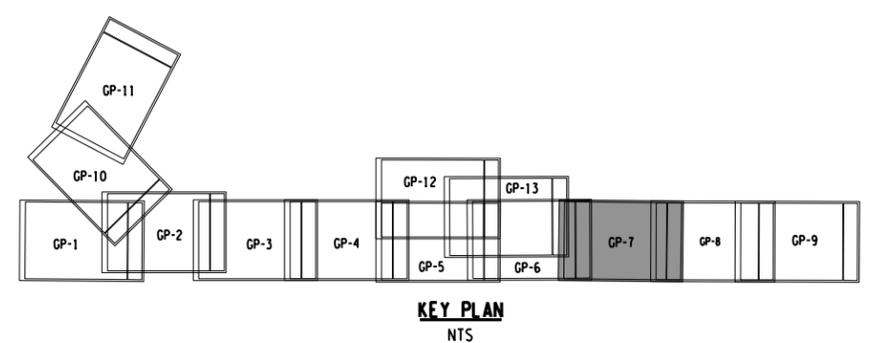
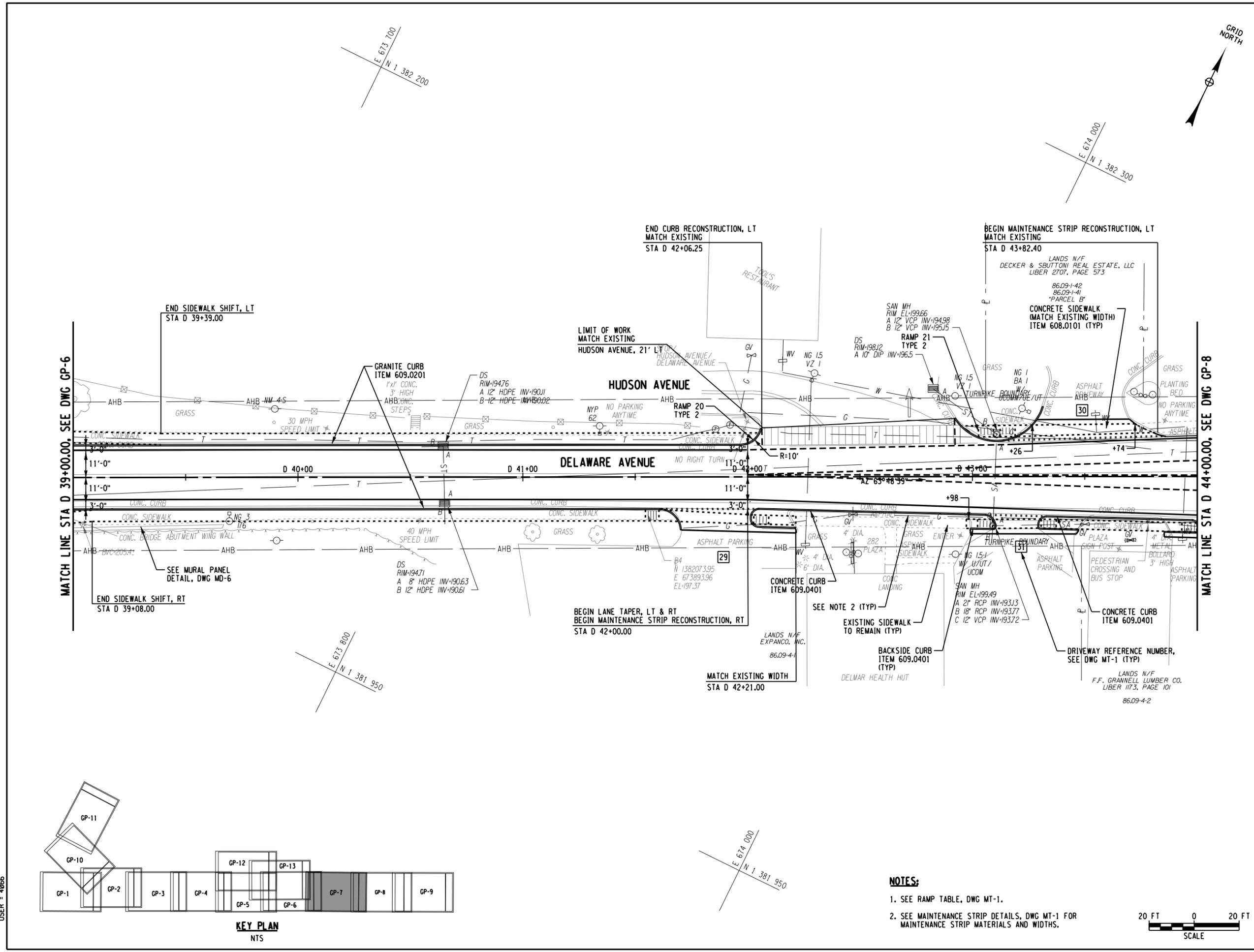
No.	Submission / Revision	Appd.	Date

PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

GENERAL PLAN

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	GP-7
Checked By: MTS	Plot Date: 2/21/2017	SHEET 43

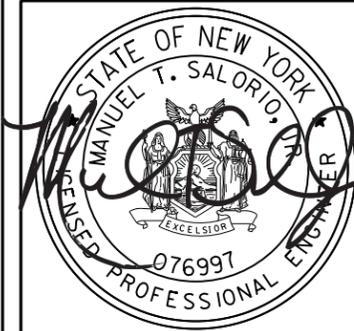
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USER = 4066



NOTES:

- SEE RAMP TABLE, DWG MT-1.
- SEE MAINTENANCE STRIP DETAILS, DWG MT-1 FOR MAINTENANCE STRIP MATERIALS AND WIDTHS.





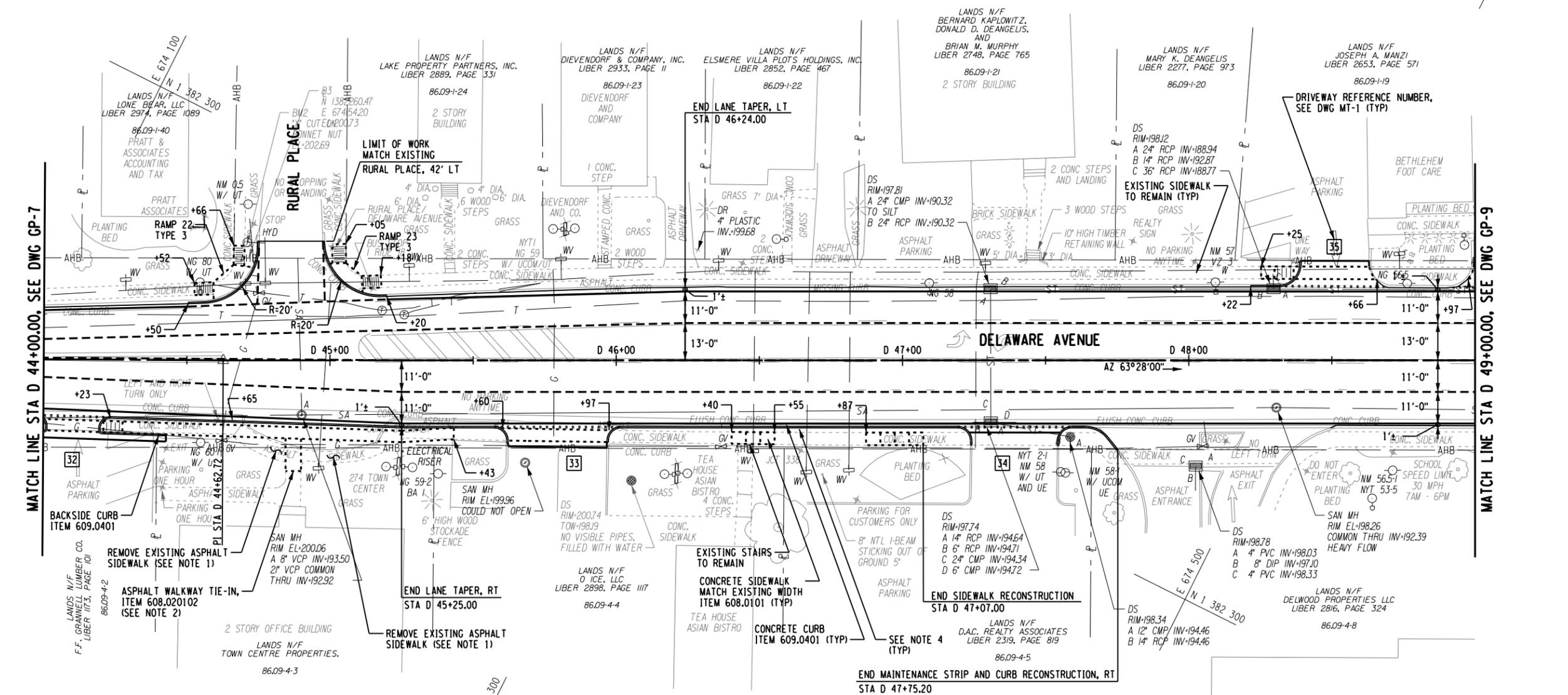
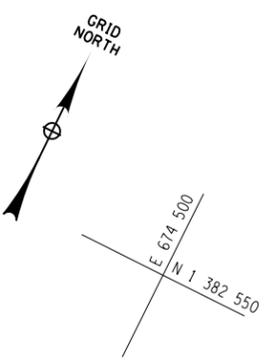
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

No.	Submittal / Revision	Appd.	Date

PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
TOWN OF BETHLEHEM, ALBANY COUNTY, NY

GENERAL PLAN

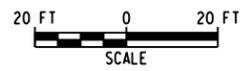
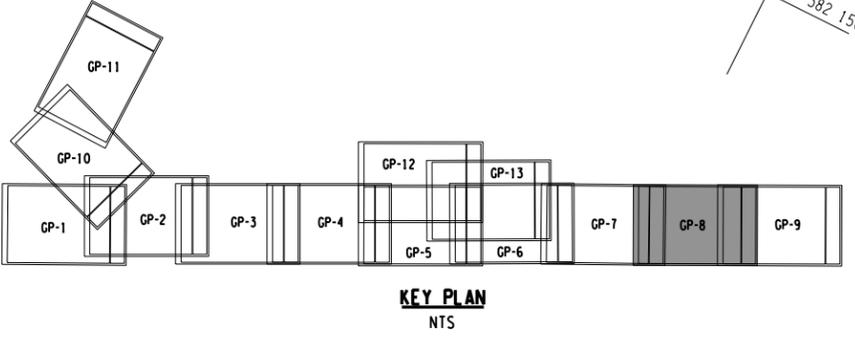
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Checked By: MTS	Plot Date: 2/21/2017	



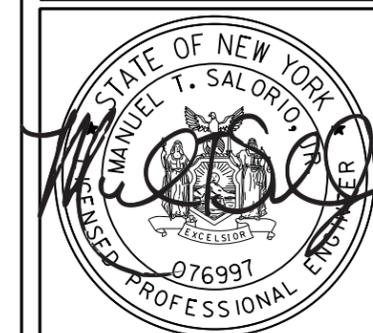
MATCH LINE STA D 44+00.00, SEE DWG GP-7

MATCH LINE STA D 49+00.00, SEE DWG GP-9

- NOTES:**
1. WORK TO REMOVE EXISTING ASPHALT DRIVEWAY TO BE PAID FOR UNDER ITEM 203.02. CONTRACTOR WILL RESTORE DISTURBED AREA WITH EMBANKMENT - ITEM 203.03, 4 INCHES OF TOPSOIL - ITEM 610.1403, AND SEED - ITEM 610.1602.
 2. CONTRACTOR SHALL EXCAVATE 10", TO BE PAID UNDER ITEM 203.02, REPLACE WITH 4" - ITEM 608.0101 AND 6" - ITEM 304.12.
 3. SEE RAMP TABLE, DWG MT-1.
 4. SEE MAINTENANCE STRIP DETAILS, DWG MT-1 FOR MAINTENANCE STRIP MATERIALS AND WIDTHS.



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IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

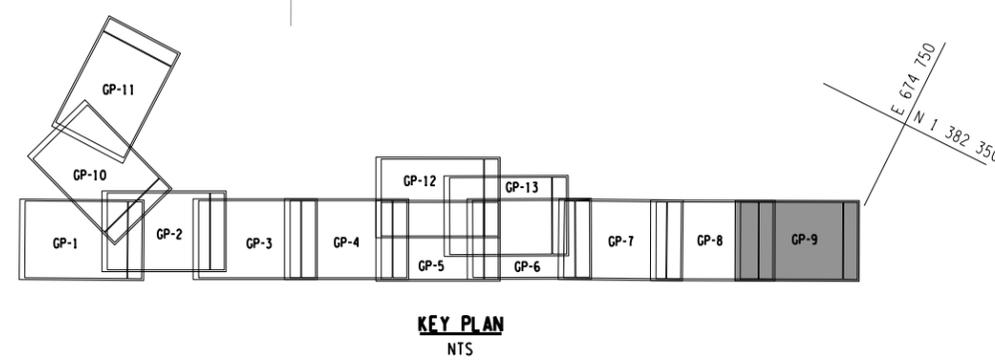
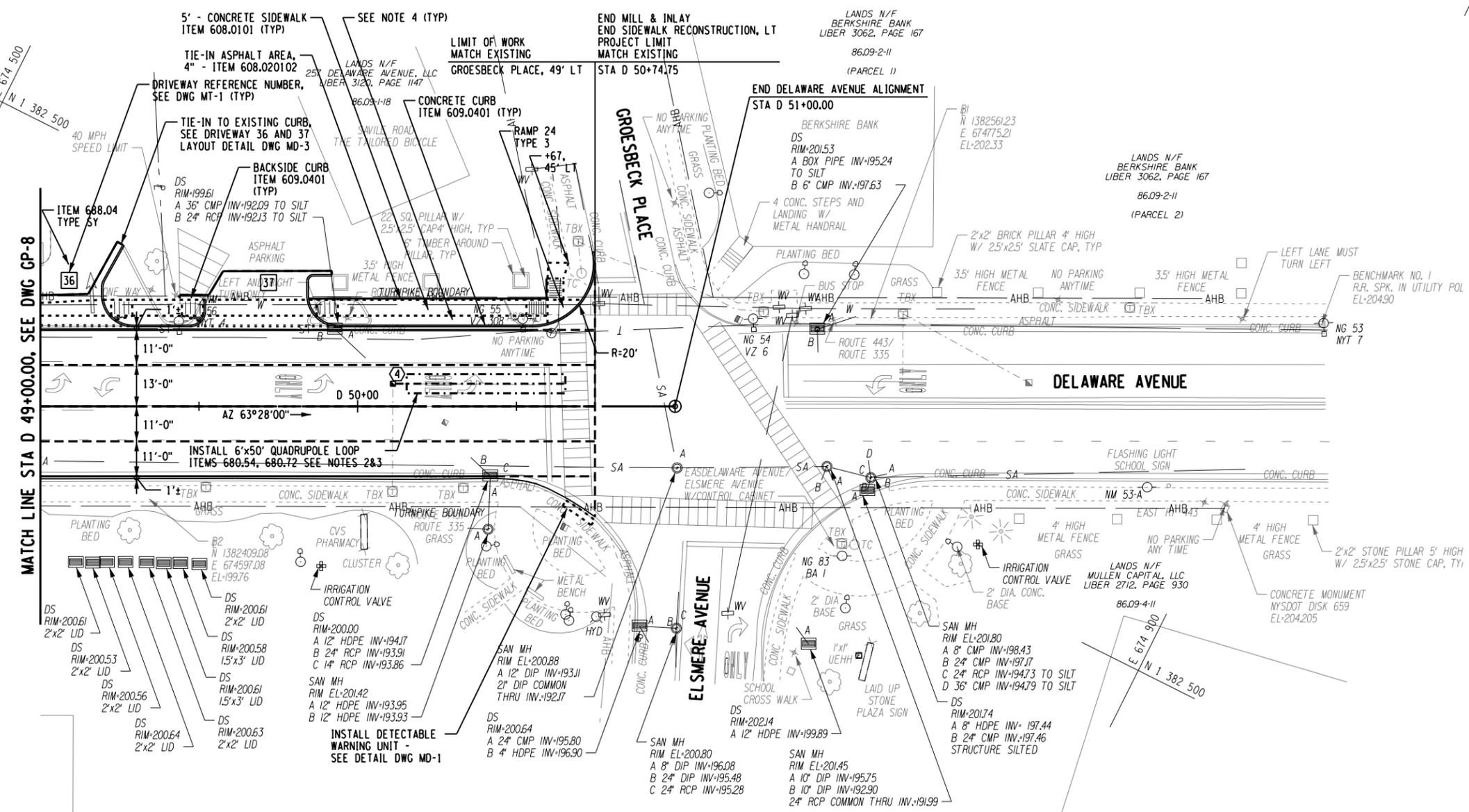
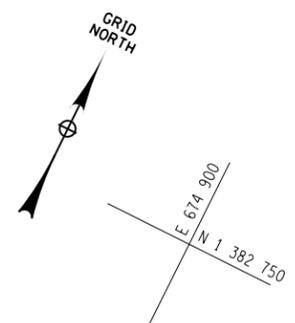
No.	Submittal / Revision	Appd.	Date

PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETSCAPE ENHANCEMENTS
TOWN OF BETHLEHEM, ALBANY COUNTY, NY

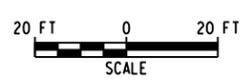
GENERAL PLAN

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	GP-9
Checked By: MTS	Plot Date: 2/21/2017	SHEET 45

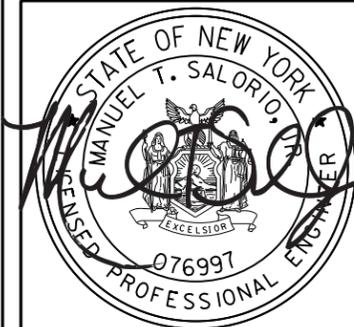
DETECTOR NUMBER	PHASE NUMBER	INDUCTANCE LOOP SIZE	NO. OF TURNS	CAST A1 BOX	1/4 DIA CONDUIT	DUAL LOOP DET MODULES
4	02	6' x 50'	2-4-2	EXISTING	EXISTING	EXISTING



- NOTES:**
1. SEE RAMP TABLE, DWG MT-1.
 2. SEE LOOP DETAILS, DWG MD-3.
 3. SPLICE LOOP WIRE TO EXISTING SHIELDED LEAD-IN CABLE AT CURBSIDE PULL BOX.
 4. SEE MAINTENANCE STRIP DETAILS, DWG MT-1 FOR MAINTENANCE STRIP MATERIALS AND WIDTHS.



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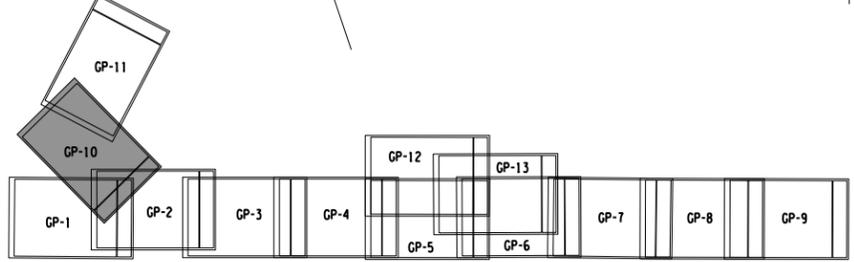
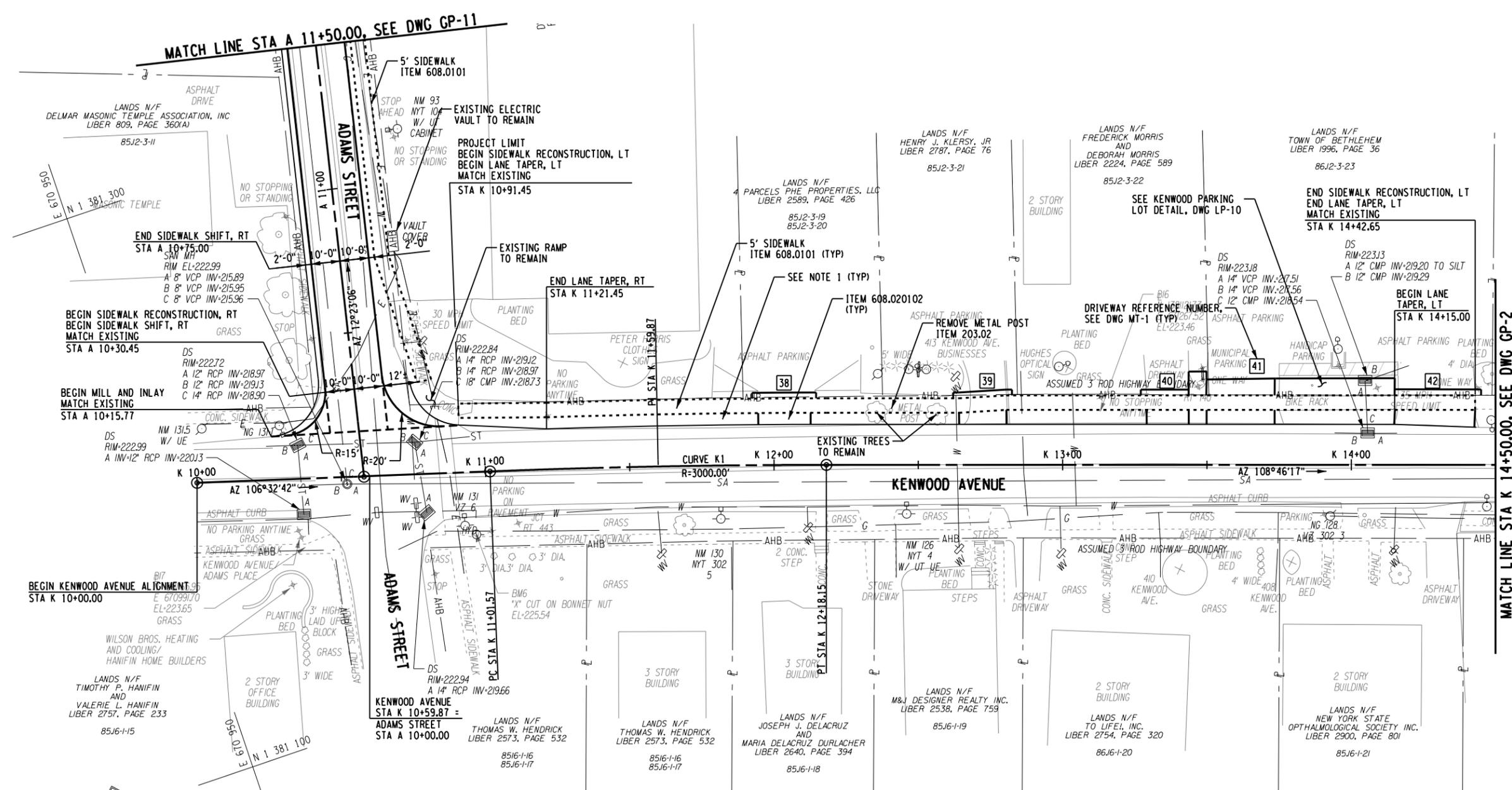
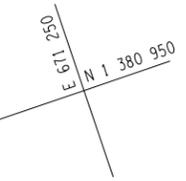
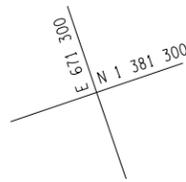
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

No.	Submission / Revision	Appd.	Date

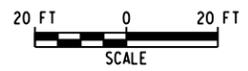
PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
TOWN OF BETHLEHEM, ALBANY COUNTY, NY

GENERAL PLAN

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	GP-10
Checked By: MTS	Plot Date: 2/21/2017	



NOTE:
1. SEE MAINTENANCE STRIP DETAILS, DWG MT-1 FOR MAINTENANCE STRIP MATERIALS AND WIDTHS.



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PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

GENERAL PLAN

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	GP-11
Checked By: MTS	Plot Date: 2/21/2017	

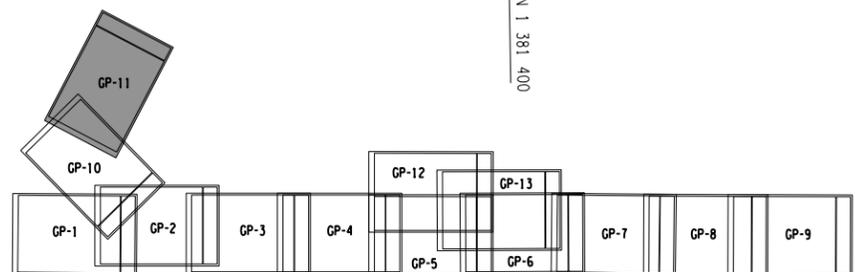
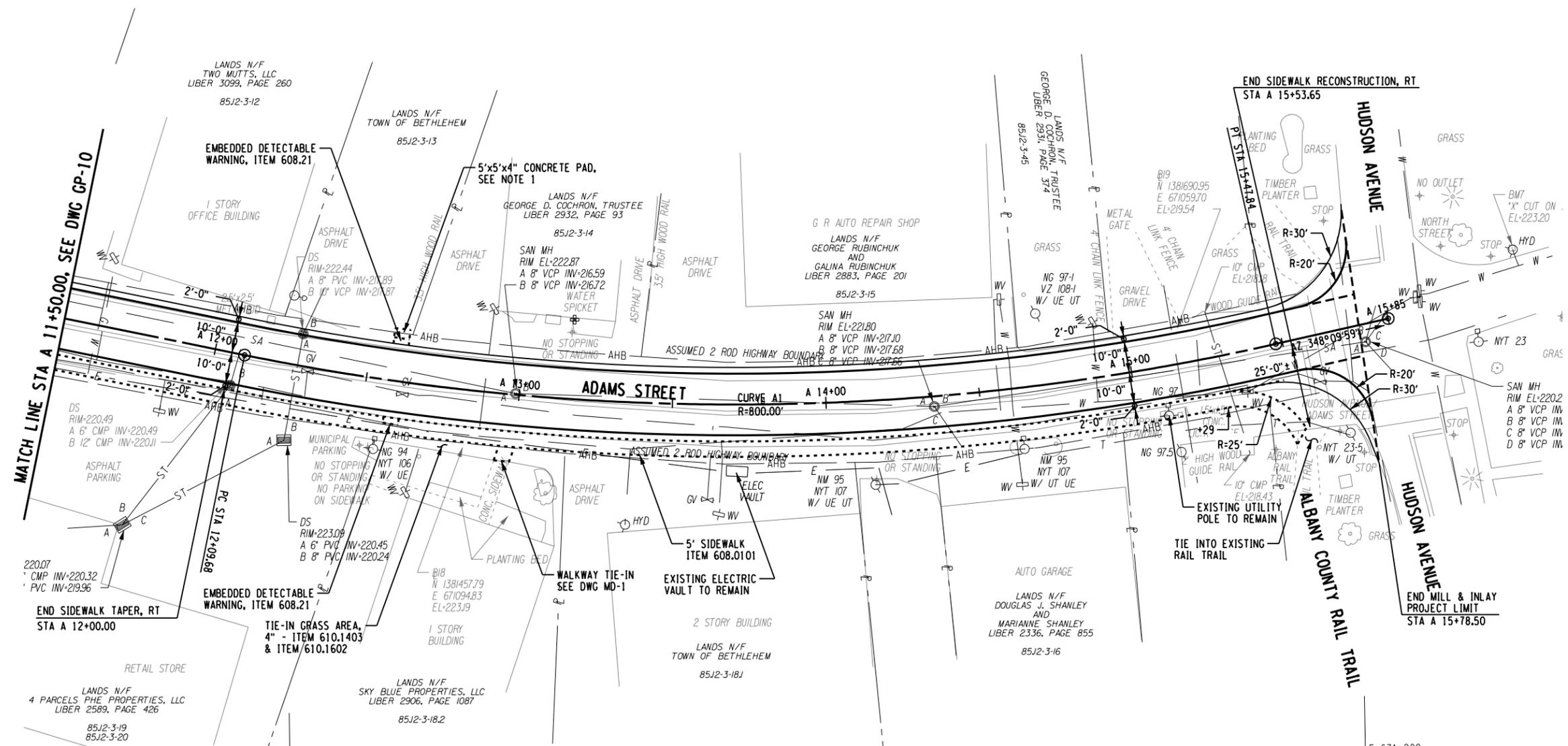


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N 1 381 750

E 670 900
N 1 381 400

E 671 200
N 1 381 400

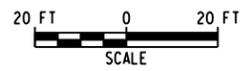
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KEY PLAN
NTS

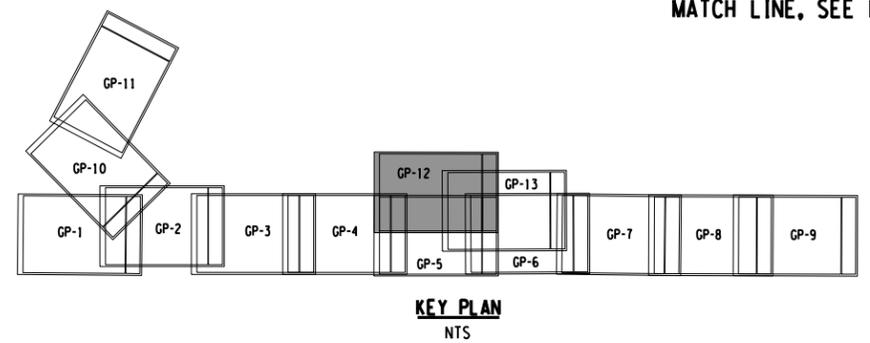
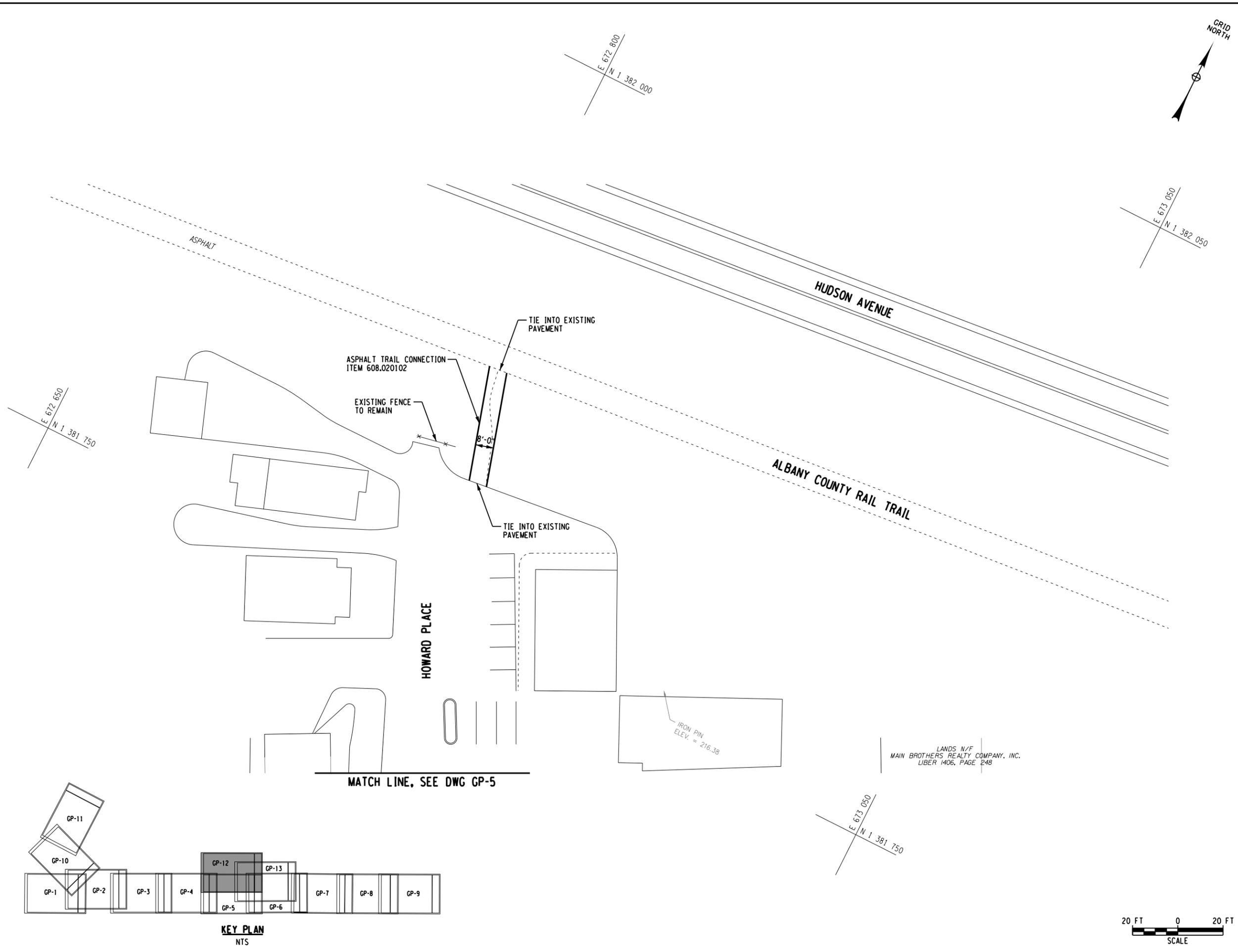
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PT =	STA A 15+47.85
R =	800.00'
L =	338.15'
T =	171.64'
Δ =	24°-13'-07"
emax =	N/A

NOTE:
1. CONTRACTOR SHALL EXCAVATE 10", TO BE PAID UNDER ITEM 203.02, REPLACE WITH 4" - ITEM 608.0101 AND 6" - ITEM 304.12.

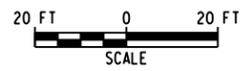


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KEY PLAN
NTS



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

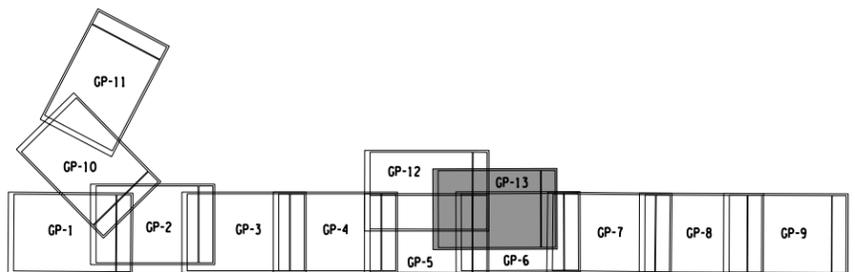
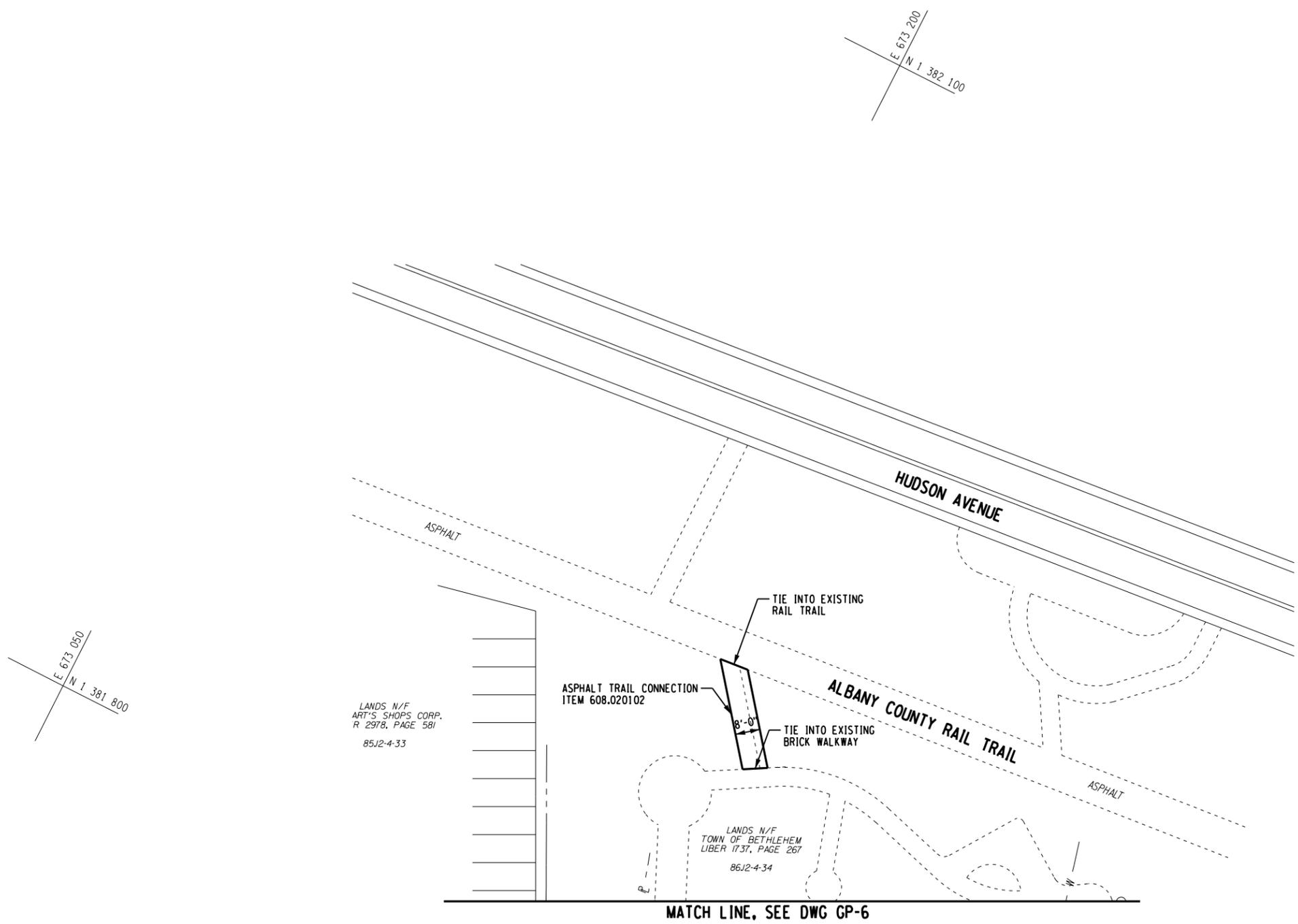
No.	Submittal / Revision	Appd.	Date

PIN 1759.68
**DELAWARE AVENUE HAMLET
 MULTI-MODAL STREETScape
 ENHANCEMENTS**
 TOWN OF BETHLEHEM,
 ALBANY COUNTY, NY

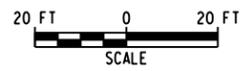
GENERAL PLAN

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	GP-12
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 48

FILE NAME = W:\p\projects\ANY\K4\30792\CADD\MSTN\175968.cph.gnp.13.dgn
 DATE/TIME = 2/21/2017
 USER = 4066



KEY PLAN
NTS



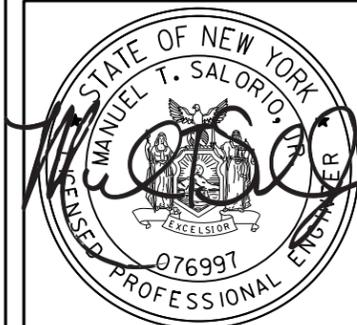
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

No.	Submittal / Revision	Appd.	Date

PIN 1759.68
**DELAWARE AVENUE HAMLET
 MULTI-MODAL STREETScape
 ENHANCEMENTS**
 TOWN OF BETHLEHEM,
 ALBANY COUNTY, NY

GENERAL PLAN

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	GP-13
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 49



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

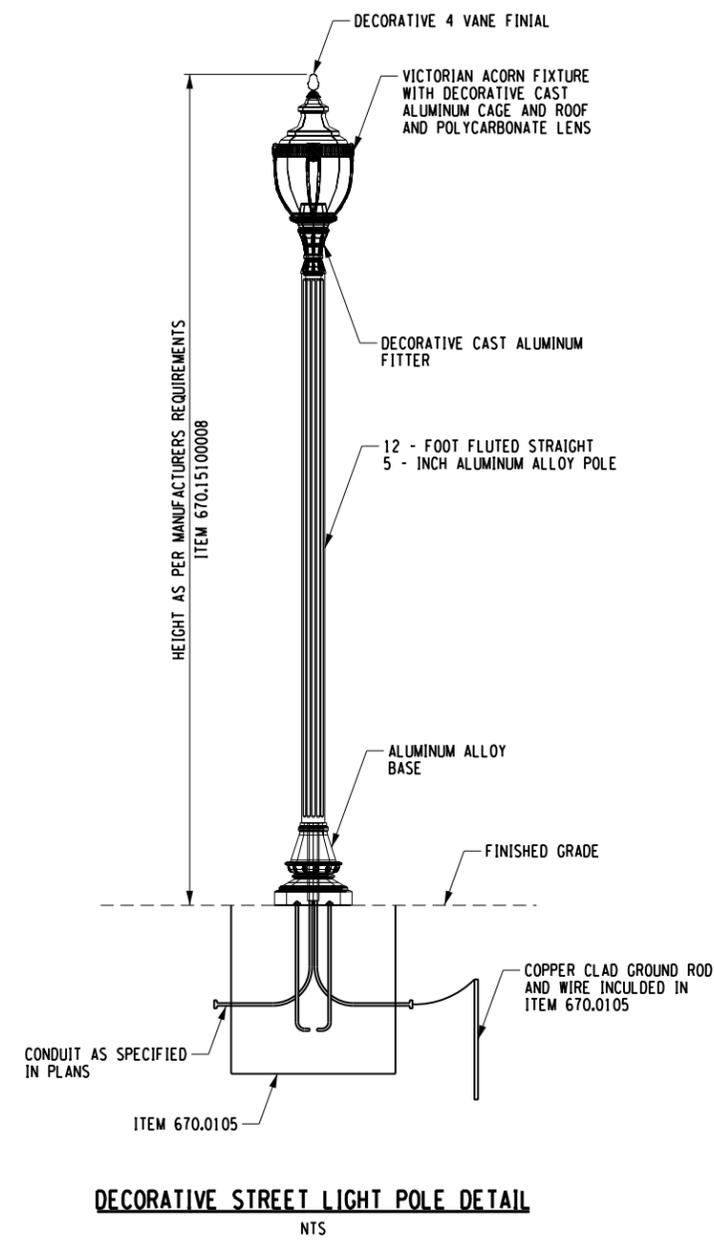
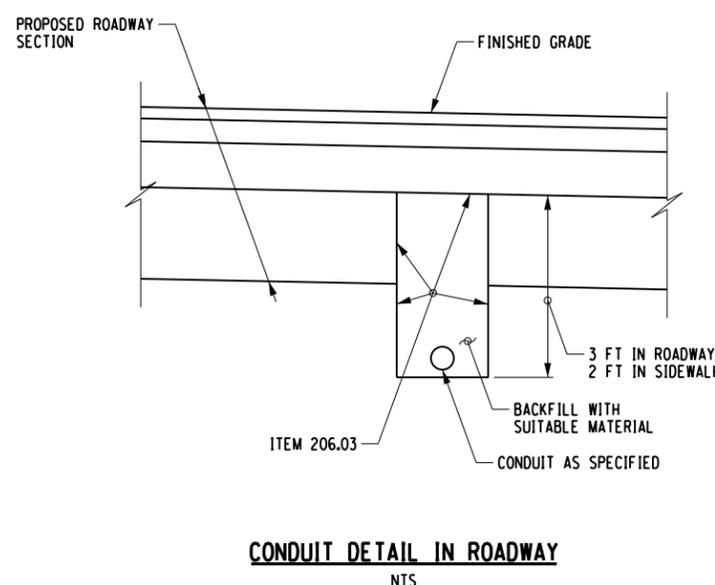
No.	Submittal / Revision	Appd.	Date

PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
 TOWN OF BETHLEHEM, ALBANY COUNTY, NY

LIGHTING DETAILS

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	LD-1
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 50

LP NO	STATION	SIDE	OFFSET (FT)	ITEM 670.15100008
LP-1	D 11+38.4	RT	21.8	1
LP-2	D 10+76.8	RT	25.4	1
LP-3	D 10+92.0	LT	27.8	1
LP-4	D 19+41.1	LT	20.5	1
LP-5	D 19+98.1	LT	20.6	1
LP-6	D 24+13.9	LT	20.7	1
LP-7	D 24+12.6	RT	19.3	1
LP-8	D 24+78.4	RT	19.1	1
LP-9	D 32+51.5	RT	25.1	1
LP-10	D 32+96.1	RT	25.6	1



NOTES:

- POWER SERVICE LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS WITH NATIONAL GRID POWER COMPANY PRIOR TO CONSTRUCTION.
- ALL CONSTRUCTION SHALL COMPLY WITH NYSOT STANDARD SPECIFICATIONS, THE NATIONAL ELECTRIC CODE, AND ALL UTILITY COMPANY REQUIREMENTS.
- ALL EXPOSED METAL MUST BE GROUNDED.
- POLE FOOTING SHALL BE INSTALLED IN ACCORDANCE WITH NYSOT STANDARD SHEETS AND THE POLE MANUFACTURER SPECIFICATIONS FOR THE POLE SUPPLIED.
- A MINIMUM SIDEWALK WIDTH OF 4 FT MUST BE MAINTAINED ADJACENT TO EACH POLE. CONTRACTOR SHALL CONTACT THE ENGINEER FOR ALTERNATE POLE LOCATION IF DETERMINED THAT BOTH MINIMUM SIDEWALK WIDTH AND ROADWAY CLEARANCE CAN NOT BE MAINTAINED.
- ALL CONDUITS AND PULL BOXES SHALL BE INSTALLED IN ACCORDANCE WITH NYSOT STANDARD SHEETS.
- SEE SPECIAL NOTES IN PROJECT MANUAL FOR SPECIFICATIONS FOR LED FIXTURES, DECORATIVE SUPPORT ARMS AND PEDESTRIAN LIGHTING POLE.
- PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL COORDINATE A UTILITY MEETING WITH NATIONAL GRID. PLANS SHALL BE APPROVED IN WRITING BY NATIONAL GRID WITH SCOPE OF WORK AND ASSOCIATED COST(S) CLEARLY DEFINED.
- CONDUIT RUNS ARE SHOWN AS DIAGRAMMATIC UNLESS OTHERWISE NOTED. ALL CONDUIT ROUTING SHALL BE COORDINATED IN FIELD TO AVOID CONFLICTS WITH UNDERGROUND UTILITIES.
- FINISH COLOR OF NEW PEDESTRIAN LIGHTING POLES TO MATCH EXISTING PEDESTRIAN LIGHTING POLES.
- LIGHTING OPTICS SHALL BE ORIENTED SUCH THAT LIGHT IS DISTRIBUTED ALONG THE RESPECTIVE ROADWAY.
- ITEM 670.15100008 SHALL INCLUDED DECORATIVE FIXTURE, FLUTED POLE AND ALUMINUM ALLOY BASE. LIGHT POLE FOOTING WILL BE PAID FOR UNDER ITEM 670.0105.
- CONTRACTOR SHALL INSTALL UNDERGROUND UTILITY WARNING TAPE ABOVE BURIED CONDUIT.
- ALL MUNICIPAL OWNED STREET LIGHTING ATTACHMENTS SHALL BE IN COMPLIANCE WITH THE APPLICABLE PROVISIONS OF THE NATIONAL ELECTRICAL SAFETY CODE (NEC), LATEST EDITION, AND THE APPLICABLE NATION GRID CONSTRUCTION STANDARDS.
- THE TOWN SHALL BE RESPONSIBLE TO OWN, OPERATE, AND MAINTAIN ALL EQUIPMENT BEYOND THE STREET LIGHT SERVICE TAPS. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, SUPPLYING ALL MATERIALS AND LABOR; TRANSFERRING THE STREET LIGHT ATTACHMENT TO A NEW POLE IN THE EVENT OF A POLE REPLACEMENT; RELOCATING THE STREET LIGHT ATTACHMENT TO ACCOMMODATE OTHER CONSTRUCTION ACTIVITIES ON THE POLE; EMERGENCY 24-HOUR RESPONSE TO REMOVE OR MAKE SAFE THE STREET LIGHT ATTACHMEN IN THE EVENT OF A BROKEN POLE.
- CLEARANCES TO OTHER POLE ATTACHMENTS, AS SPECIFIED IN NATIONAL GRID CONSTRUCTION STANDARDS SECTION 19, SHALL BE MAINTAINED. MUNICIPAL OWNED STREET LIGHTS, WHEN INSTALLED OR RELOCATED, SHALL BE INSTALLED BELOW SECONDARY CONDUCTORS.
- NATIONAL GRID PERSONNEL SHALL MAKE ALL CONNECTIONS AND DISCONNECTIONS OF MUNICIPAL OWNED STREET LIGHT FIXTURE CONDUCTORS TO THE NATIONAL GRID OWNED SECONDARY CONDUCTORS. THE CONTRACTOR IS NEVER ALLOWED TO PERFORM ANY WORK ON NATIONAL GRID OWNED SECONDARY CONDUCTORS.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO INSTALL THE STREET LIGHT BRACKET AND FIXTURE IN ACCORDANCE WITH NATIONAL ELECTRIC SAFETY CODE REQUIREMENT AND NATIONAL GRID CONSTRUCTION STANDARDS SECTION 19.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO GROUND THE STREET LIGHT BRACKET IN ACCORDANCE WITH THE NATIONAL ELECTRIC SAFETY CODE REQUIREMENTS AND NATIONAL GRID CONSTRUCTION STANDARDS SECTION 19.
- THE CONTRACTOR SHALL INSTALL AN IN-LINE FUSE HOLDER AND MIDGET CARTRIDGE STYLE FUSE ON EVERY STREET LIGHT IMMEDIATELY AFTER THE TAP CONNECTIONS TO NATIONAL GRID SECONDARY CONDUCTORS. THE IN-LINE FUSE HOLDER SHALL BE SECURED TO THE POLE USING A SPRING-LOADED CONDUIT CLIP OR GALVANIZED STAPLE. THE FUSE, IN ADDITION TO PROVIDING ELECTRICAL PROTECTION, SHALL SERVE AS A FUTURE DISCONNECT POINT FOR THE MUNICIPAL OWNED STREET LIGHT. ONCE INSTALLED, THE TOWN MAY DISCONNECT OR RECONNECT A MUNICIPAL OWNED STREET LIGHT ONLY BY MEANS OF THE IN-LINE FUSE HOLDER.
- THE CONTRACTOR IS RESPONSIBLE TO LABEL MUNICIPAL OWNED STREET LIGHT LUMINARIES IN ACCORDANCE WITH NATIONAL GRID CONSTRUCTION STANDARDS TO IDENTIFY LUMINAIRE OWNERSHIP AND MAINTENANCE RESPONSIBILITY.
- THE TOWN IS RESPONSIBLE TO PAY FOR ANY NATIONAL GRID MATERIAL AND LABOR CHARGES RELATING TO THE REMOVAL OF EXISTING POLE MOUNTED STREET LIGHT FIXTURES, NET BOOK VALUE OF REMAINING USEFUL LIFE OF EACH NATIONAL GRID OWNED STREET LIGHT (IF ANY). THE TOWN SHALL BE RESPONSIBLE FOR PAYMENT OF MONTHLY ATTACHMENT FEES TO POLES.
- THE CONTRACTOR SHALL COORDINATE ALL WORK WITH NATIONAL GRID AND MUNICIPALITY TO PROVIDE A COMPLETE AND WORKING SYSTEM.

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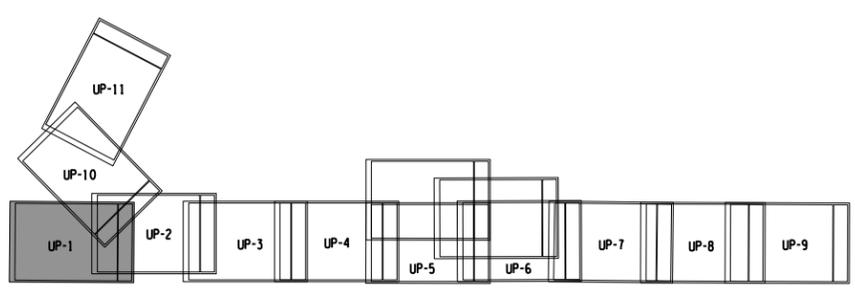
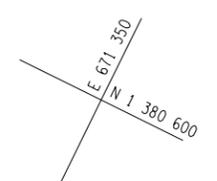
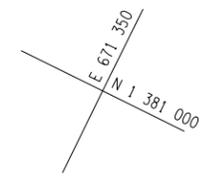
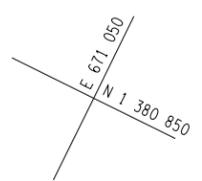
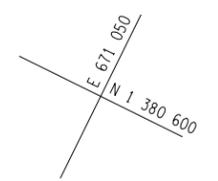
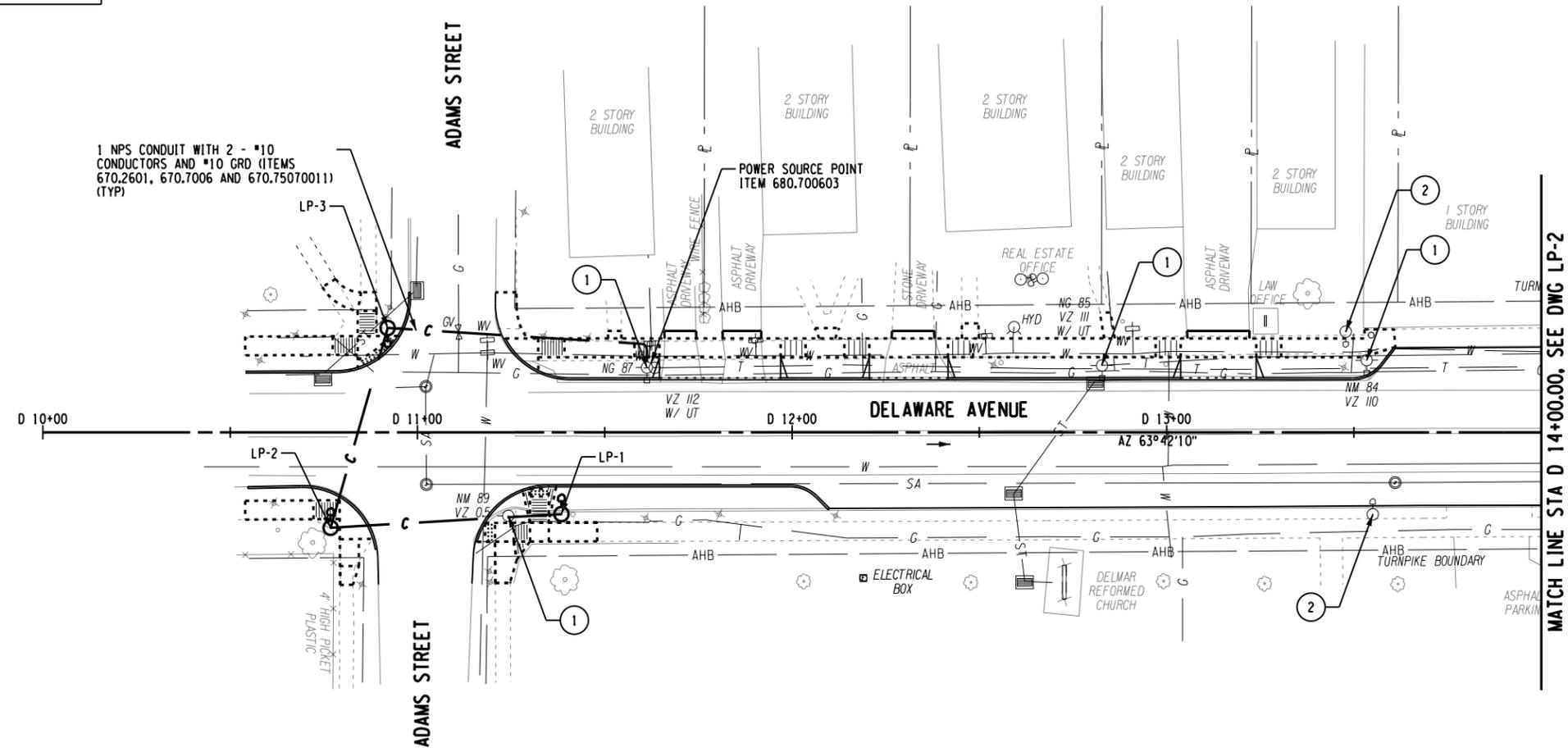
PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

LIGHTING PLAN

Designed By: AMJ	Project No.: 30792	Drawing No.: LP-1
Drawn By: MED	Scale: AS SHOWN	SHEET 51
Checked By: MTS	Plot Date: 2/21/2017	

TAG	DESCRIPTION	ITEM
①	LED FIXTURE AND DECORATIVE SUPPORT ARM (SEE NOTE 2)	670.01360039
②	REMOVE EXISTING POST TOP AND INSTALL NEW POST TOP FIXTURE (SEE NOTE 3)	670.01100039

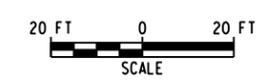
LEGEND	
	LIGHTING CONDUIT
	PULL BOX
	PROPOSED LIGHTING ASSEMBLY AND REFERENCE NUMBER



KEY PLAN
NTS

NOTES:

- SEE LIGHTING DETAILS AND NOTES, DWG LD-1.
- LED FIXTURE AND DECORATIVE SUPPORT ARM TO BE SUPPLIED BY THE TOWN AND INSTALLED BY NATIONAL GRID. THE CONTRACTOR SHALL COORDINATE WITH NATIONAL GRID FOR ANY ADDITIONAL HARDWARE ITEMS REQUIRED TO INSTALL BOTH THE FIXTURE AND DECORATIVE SUPPORT ARM IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
- THE CONTRACTOR SHALL REMOVE THE EXISTING POST TOP FIXTURE AND INSTALL THE NEW DECORATIVE POST TOP FIXTURE ON THE EXISTING LIGHT POST IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS. COST FOR REMOVAL OF EXISTING FIXTURE AND INSTALLATION OF THE NEW FIXTURE SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 670.01100039.



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DATE/TIME = 2/21/2017
USER = 4066



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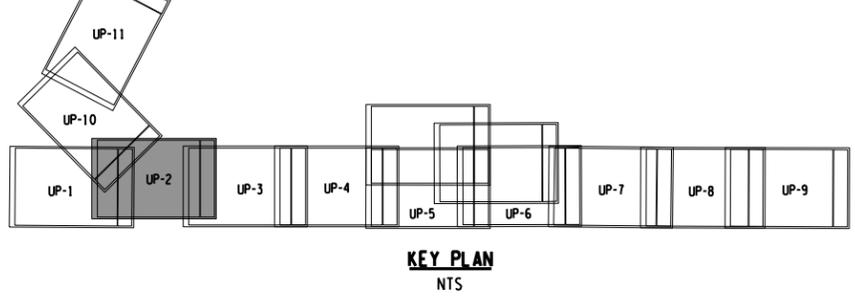
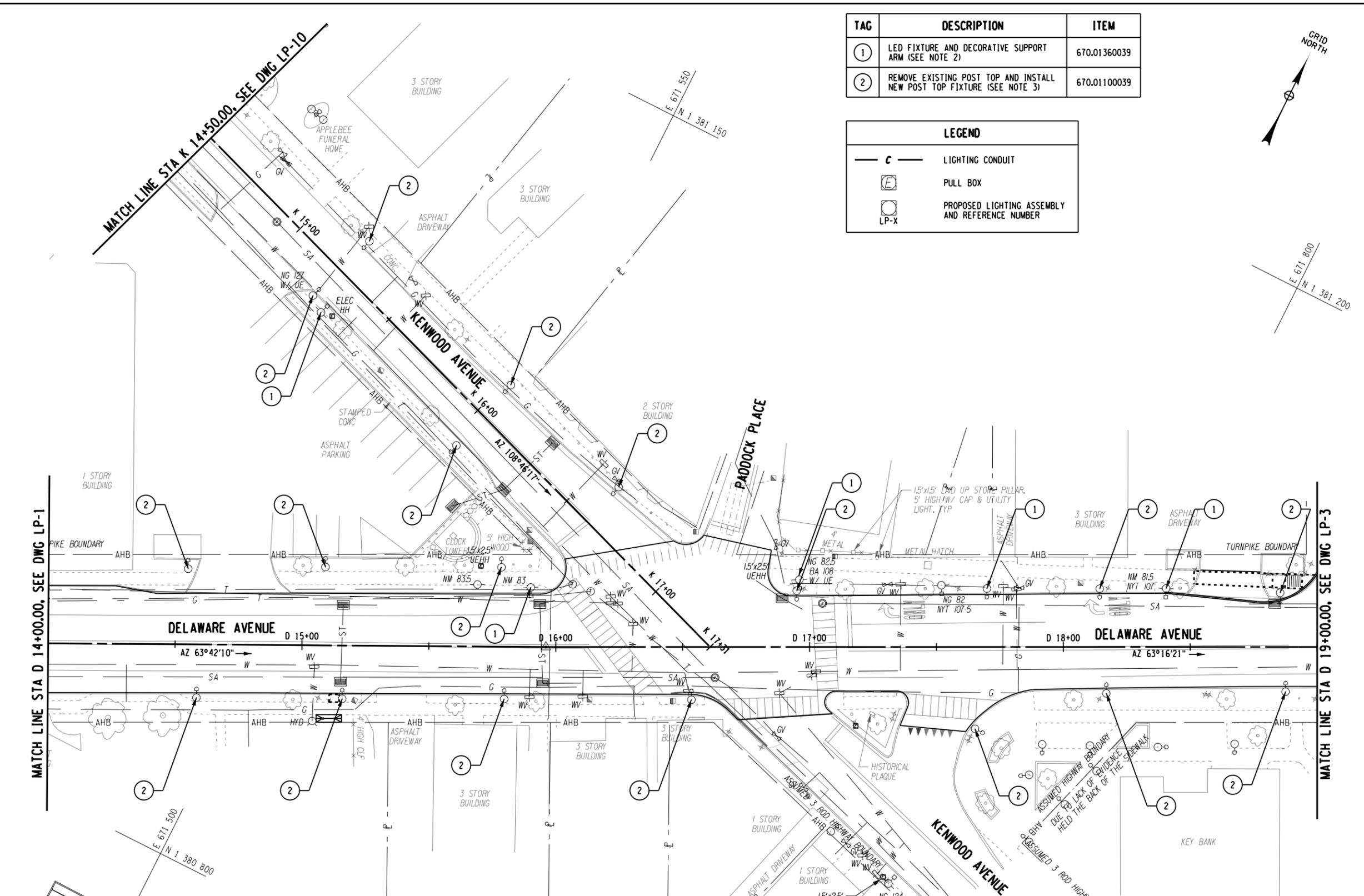
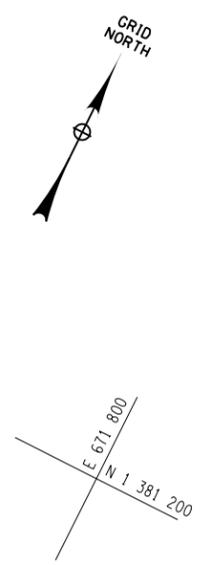
PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
 TOWN OF BETHLEHEM, ALBANY COUNTY, NY

LIGHTING PLAN

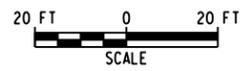
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Drawn By: MED	Scale: AS SHOWN	LP-2
Checked By: MTS	Plot Date: 2/21/2017	SHEET 52

TAG	DESCRIPTION	ITEM
①	LED FIXTURE AND DECORATIVE SUPPORT ARM (SEE NOTE 2)	670.01360039
②	REMOVE EXISTING POST TOP AND INSTALL NEW POST TOP FIXTURE (SEE NOTE 3)	670.01100039

LEGEND	
— C —	LIGHTING CONDUIT
Ⓛ	PULL BOX
ⓁP-X	PROPOSED LIGHTING ASSEMBLY AND REFERENCE NUMBER



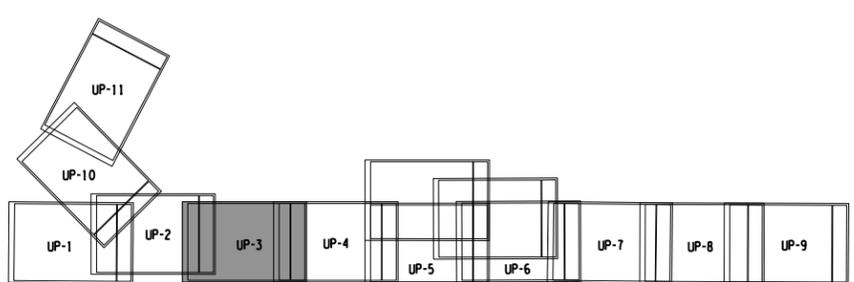
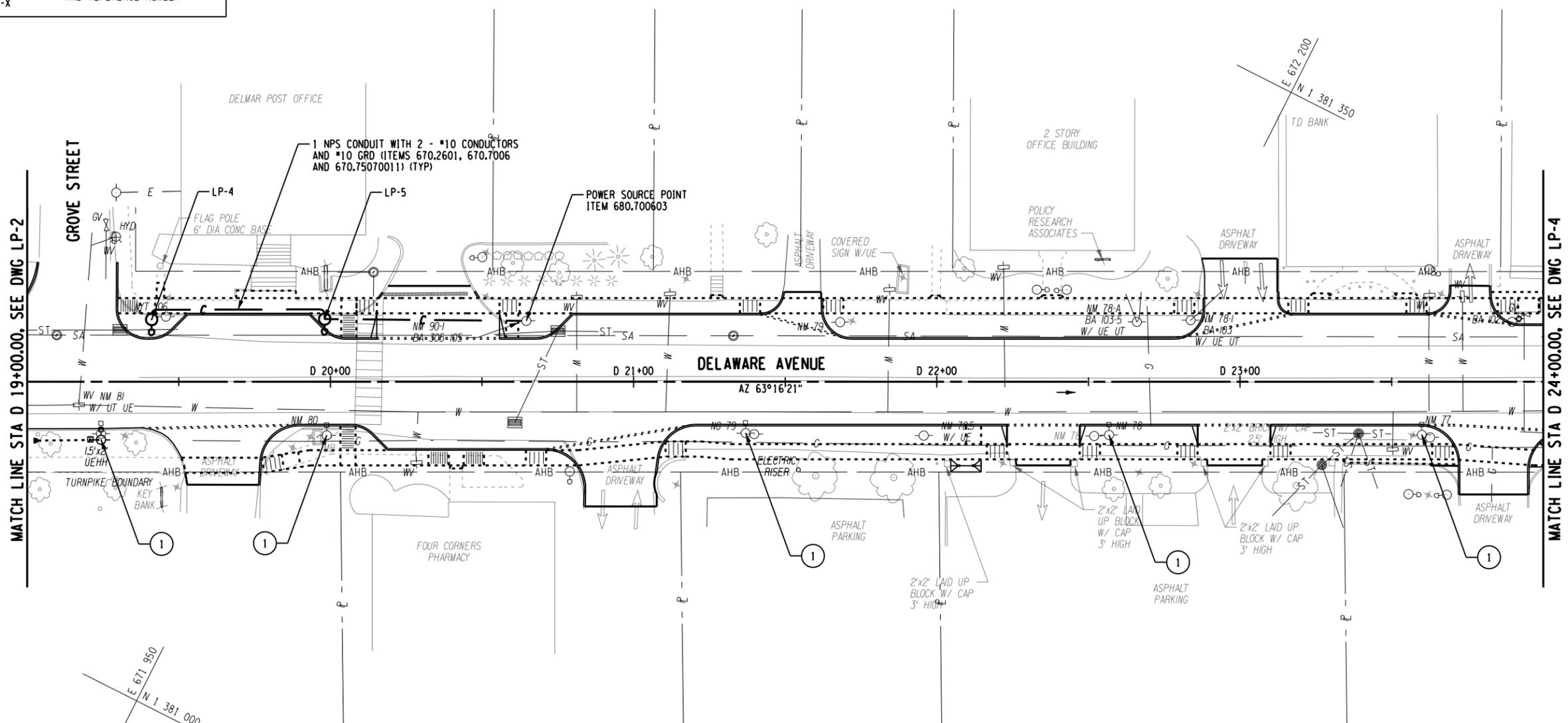
- NOTES:**
- SEE LIGHTING DETAILS AND NOTES, DWG LD-1.
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TAG	DESCRIPTION	ITEM
①	LED FIXTURE AND DECORATIVE SUPPORT ARM (SEE NOTE 2)	670.01360039
②	REMOVE EXISTING POST TOP AND INSTALL NEW POST TOP FIXTURE (SEE NOTE 3)	670.01100039

LEGEND	
	LIGHTING CONDUIT
	PULL BOX
	PROPOSED LIGHTING ASSEMBLY AND REFERENCE NUMBER



KEY PLAN
NTS

NOTES:

- SEE LIGHTING DETAILS AND NOTES, DWG LD-1.
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No.	Submission / Revision	Appd.	Date

PIN 1759.68
**DELAWARE AVENUE HAMLET
 MULTI-MODAL STREETScape
 ENHANCEMENTS**
 TOWN OF BETHLEHEM,
 ALBANY COUNTY, NY

**LIGHTING
PLAN**

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	LP-3
Checked By: MTS	Plot Date: 2/21/2017	SHEET 53

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PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

LIGHTING PLAN

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	LP-4
Checked By: MTS	Plot Date: 2/21/2017	

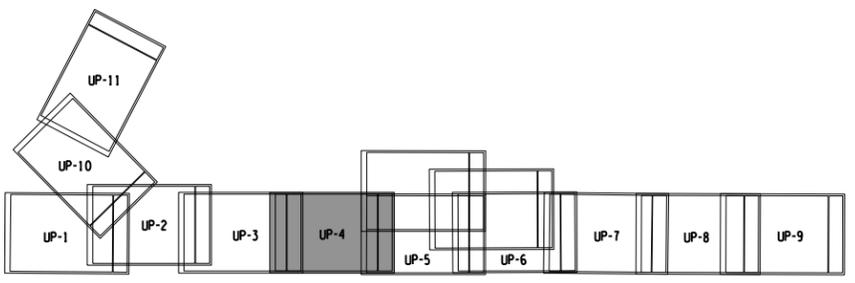
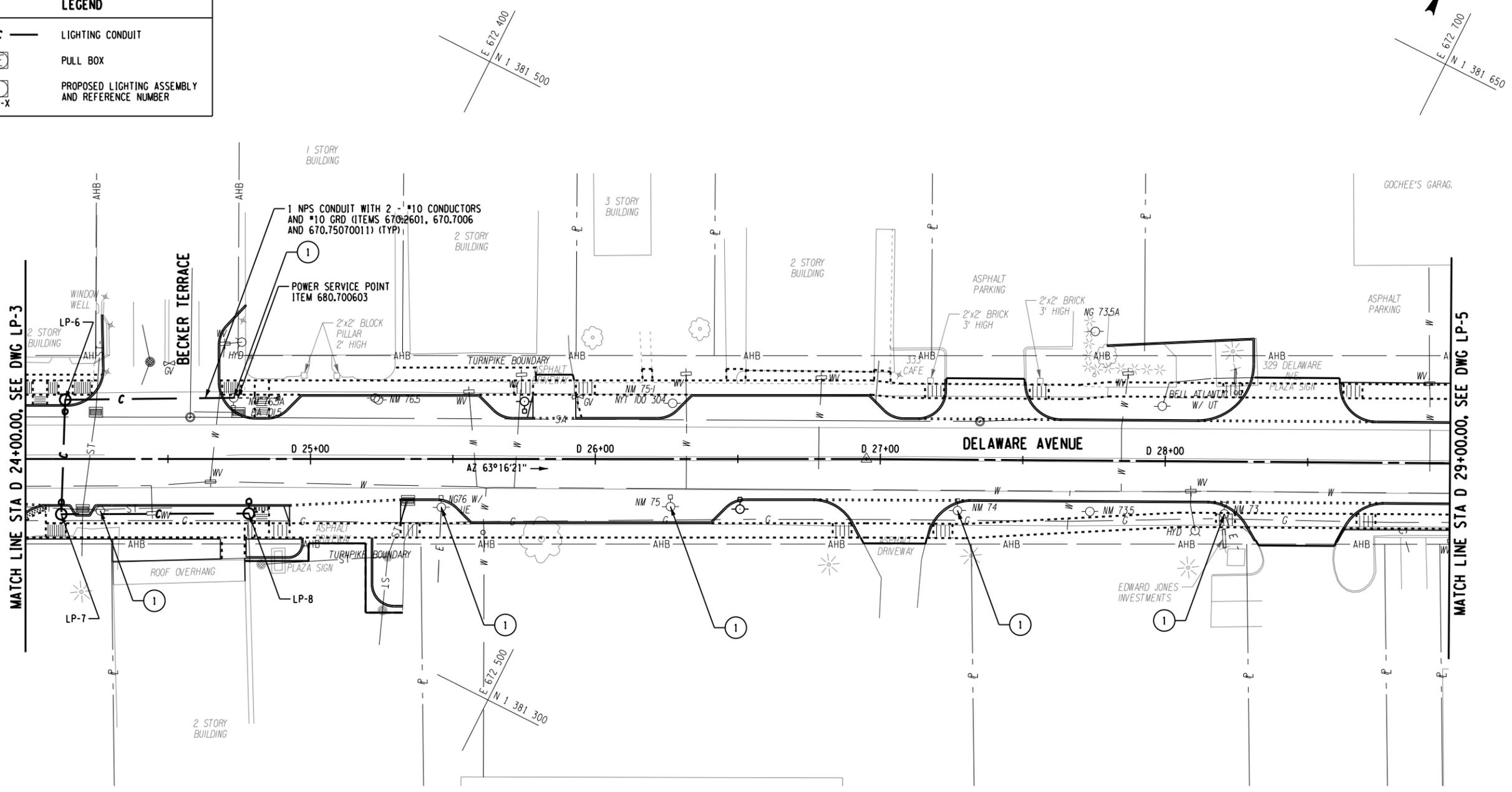
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①	LED FIXTURE AND DECORATIVE SUPPORT ARM (SEE NOTE 2)	670.01360039
②	REMOVE EXISTING POST TOP AND INSTALL NEW POST TOP FIXTURE (SEE NOTE 3)	670.01100039

LEGEND

— C — LIGHTING CONDUIT

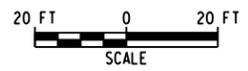
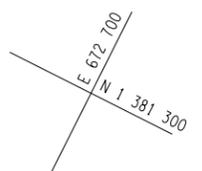
Ⓛ PULL BOX

Ⓛ P-X PROPOSED LIGHTING ASSEMBLY AND REFERENCE NUMBER



KEY PLAN
NTS

- NOTES:**
- SEE LIGHTING DETAILS AND NOTES, DWG LD-1.
 - LED FIXTURE AND DECORATIVE SUPPORT ARM TO BE SUPPLIED BY THE TOWN AND INSTALLED BY NATIONAL GRID. THE CONTRACTOR SHALL COORDINATE WITH NATIONAL GRID FOR ANY ADDITIONAL HARDWARE ITEMS REQUIRED TO INSTALL BOTH THE FIXTURE AND DECORATIVE SUPPORT ARM IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
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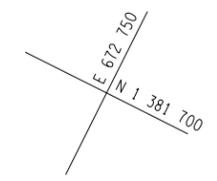
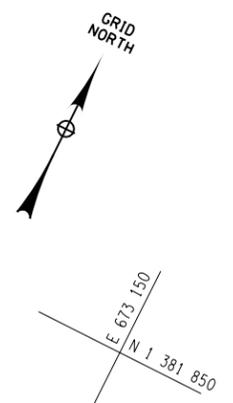
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DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
 TOWN OF BETHLEHEM, ALBANY COUNTY, NY

LIGHTING PLAN

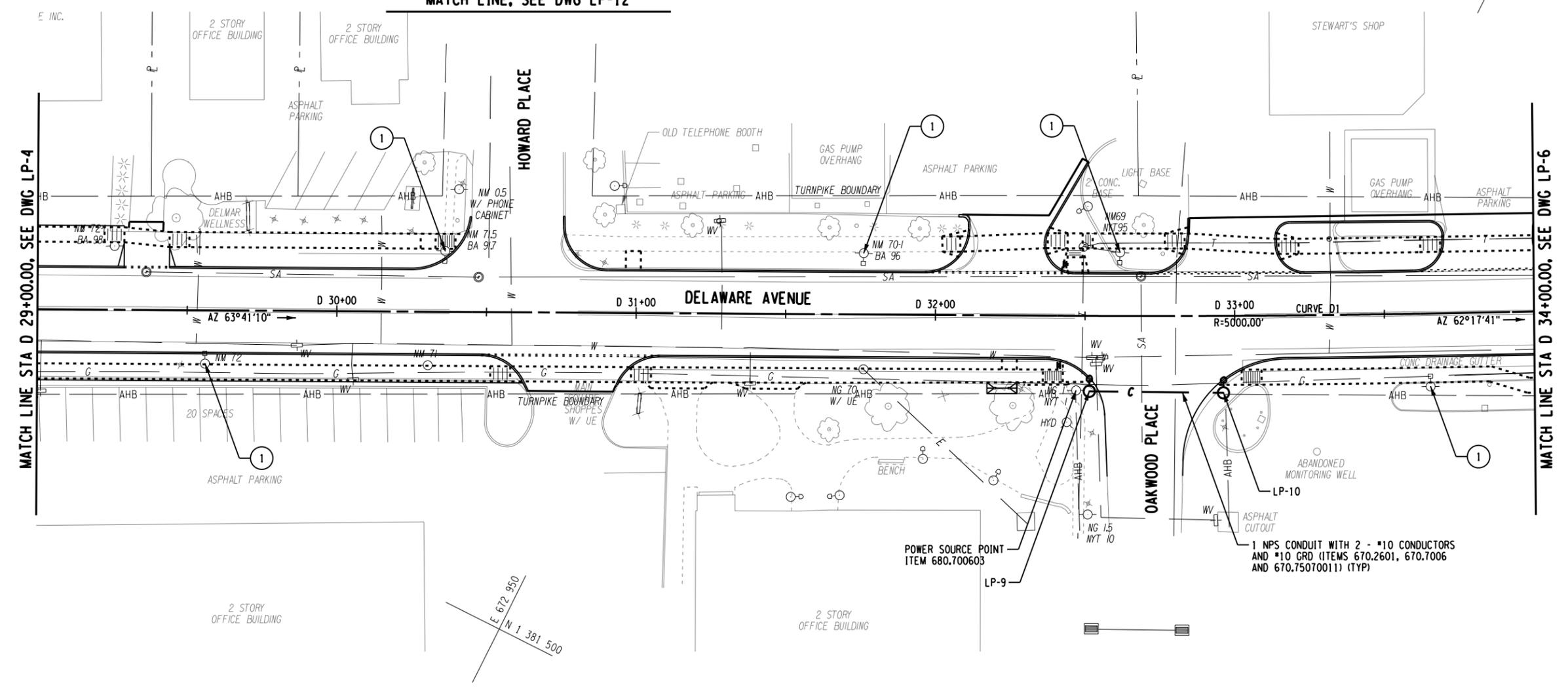
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Checked By: MTS	Plot Date: 2/21/2017	SHEET 55

TAG	DESCRIPTION	ITEM
①	LED FIXTURE AND DECORATIVE SUPPORT ARM (SEE NOTE 2)	670.01360039
②	REMOVE EXISTING POST TOP AND INSTALL NEW POST TOP FIXTURE (SEE NOTE 3)	670.01100039

LEGEND	
— C —	LIGHTING CONDUIT
Ⓛ	PULL BOX
Ⓛ-X	PROPOSED LIGHTING ASSEMBLY AND REFERENCE NUMBER



MATCH LINE, SEE DWG LP-12

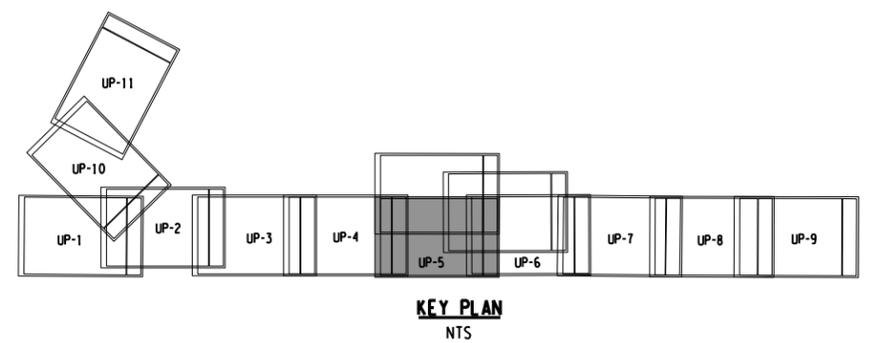
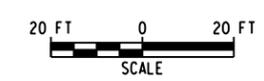


POWER SOURCE POINT
 ITEM 680.700603

1 NPS CONDUIT WITH 2 - #10 CONDUCTORS AND #10 GRD (ITEMS 670.2601, 670.7006 AND 670.75070011) (TYP)

NOTES:

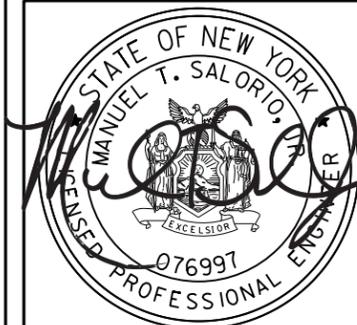
- SEE LIGHTING DETAILS AND NOTES, DWG LD-1.
- LED FIXTURE AND DECORATIVE SUPPORT ARM TO BE SUPPLIED BY THE TOWN AND INSTALLED BY NATIONAL GRID. THE CONTRACTOR SHALL COORDINATE WITH NATIONAL GRID FOR ANY ADDITIONAL HARDWARE ITEMS REQUIRED TO INSTALL BOTH THE FIXTURE AND DECORATIVE SUPPORT ARM IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
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FILE NAME = W:\p\projects\ANY\K\A\30792\CADD\MSTN\175968.cph.lgt.05.dgn
 DATE/TIME = 2/21/2017
 USER = 4066

TAG	DESCRIPTION	ITEM
①	LED FIXTURE AND DECORATIVE SUPPORT ARM (SEE NOTE 2)	670.01360039
②	REMOVE EXISTING POST TOP AND INSTALL NEW POST TOP FIXTURE (SEE NOTE 3)	670.01100039

LEGEND	
	LIGHTING CONDUIT
	PULL BOX
	PROPOSED LIGHTING ASSEMBLY AND REFERENCE NUMBER



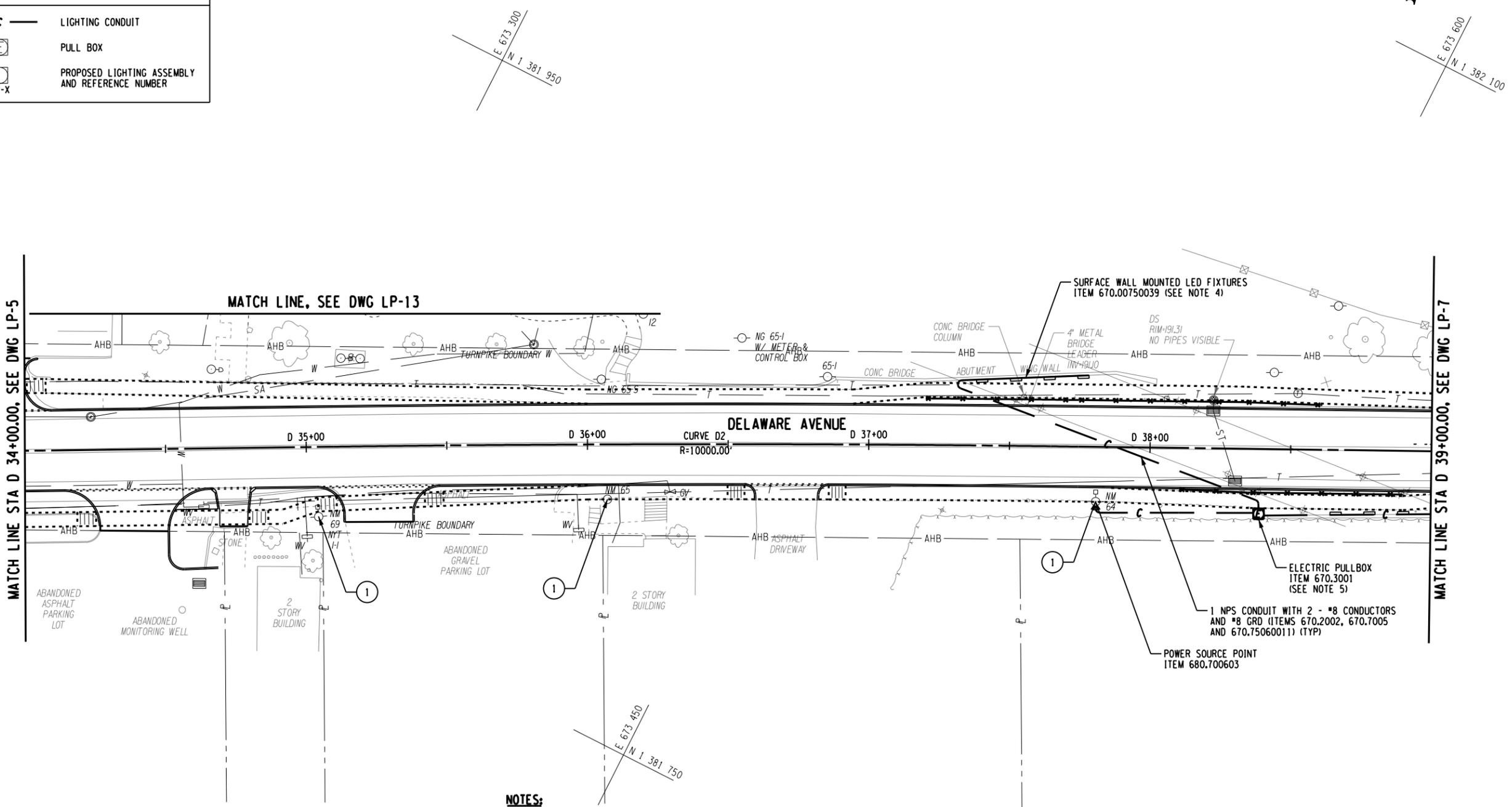
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

No.	Submittal / Revision	Appd.	Date

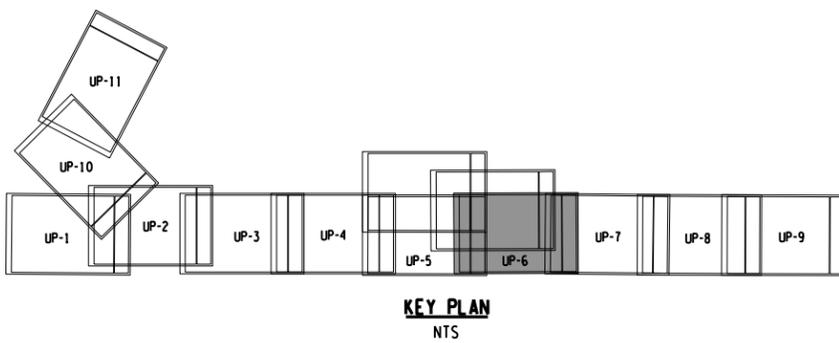
PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
 TOWN OF BETHLEHEM, ALBANY COUNTY, NY

LIGHTING PLAN

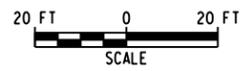
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Drawn By: MED	Scale: AS SHOWN	LP-6
Checked By: MTS	Plot Date: 2/21/2017	SHEET 56



- NOTES:**
- SEE LIGHTING DETAILS AND NOTES, DWG LD-1.
 - LED FIXTURE AND DECORATIVE SUPPORT ARM TO BE SUPPLIED BY THE TOWN AND INSTALLED BY NATIONAL GRID. THE CONTRACTOR SHALL COORDINATE WITH NATIONAL GRID FOR ANY ADDITIONAL HARDWARE ITEMS REQUIRED TO INSTALL BOTH THE FIXTURE AND DECORATIVE SUPPORT ARM IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
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 - SURFACE WALL MOUNTED LED FIXTURES SHALL INCLUDE BIRD SPIKES. FIXTURES SHALL BE INSTALLED 10'-0" ABOVE FINISHED GRADE (MIN). FIXTURES SHALL BE INSTALLED EQUAL DISTANCE FROM EACH EDGE UNDER THE BRIDGE AT 12'-0" ON CENTER.
 - PULLBOX SHALL INCLUDE FLUSH DOOR MOUNTED PHOTOCELL SIMILAR TO TORK *3002. PHOTOCELL SHALL BE WIRED TO CONTROL WALL MOUNTED LIGHT FIXTURES, PROVIDED IN-LINE FUSE HOLDERS SIMILAR TO BUSSMANN SERIES "HFA" FUSED AT 5 AMPS, ONE PER PHASE LEG. COSTS ASSOCIATED WITH PHOTOCELL TO BE INCLUDED IN PRICE BID FOR ITEM 670.3001.

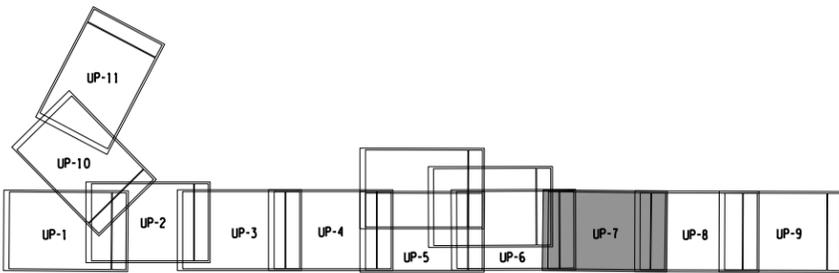
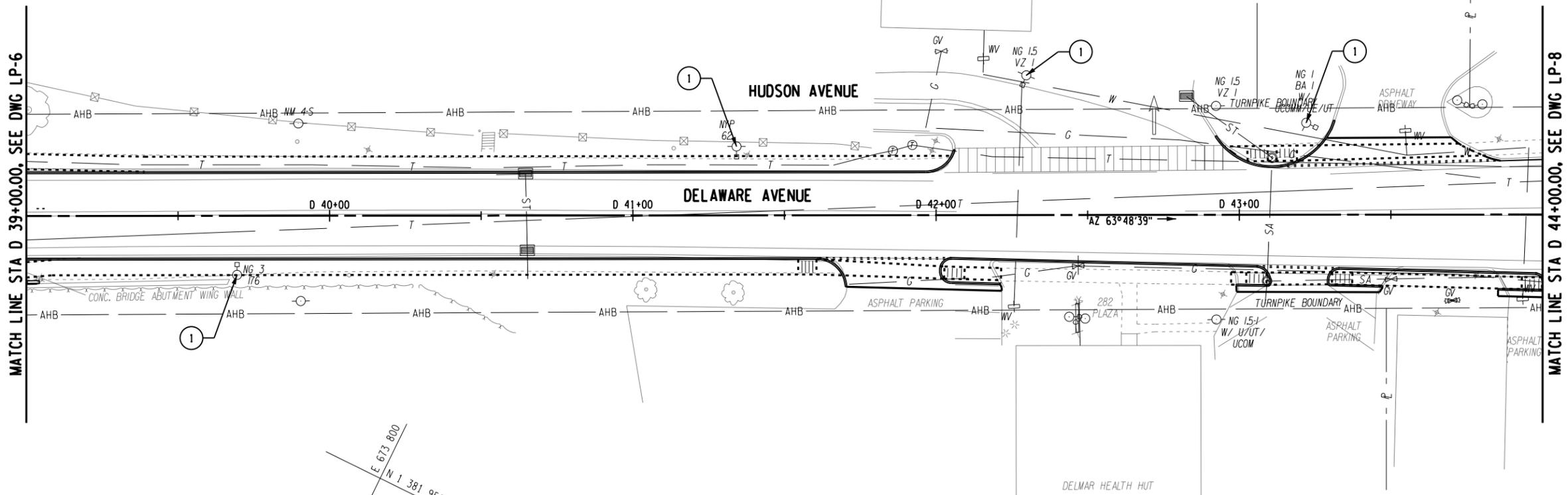


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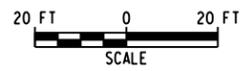
TAG	DESCRIPTION	ITEM
①	LED FIXTURE AND DECORATIVE SUPPORT ARM (SEE NOTE 2)	670.01360039
②	REMOVE EXISTING POST TOP AND INSTALL NEW POST TOP FIXTURE (SEE NOTE 3)	670.01100039

LEGEND	
	LIGHTING CONDUIT
	PULL BOX
	PROPOSED LIGHTING ASSEMBLY AND REFERENCE NUMBER



NOTES:

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 DATE/TIME = 2/21/2017 10:46:56
 USER = AMJ



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

No.	Submittal / Revision	Appd.	Date

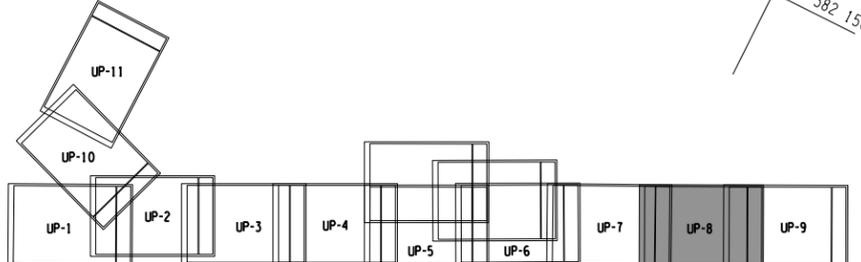
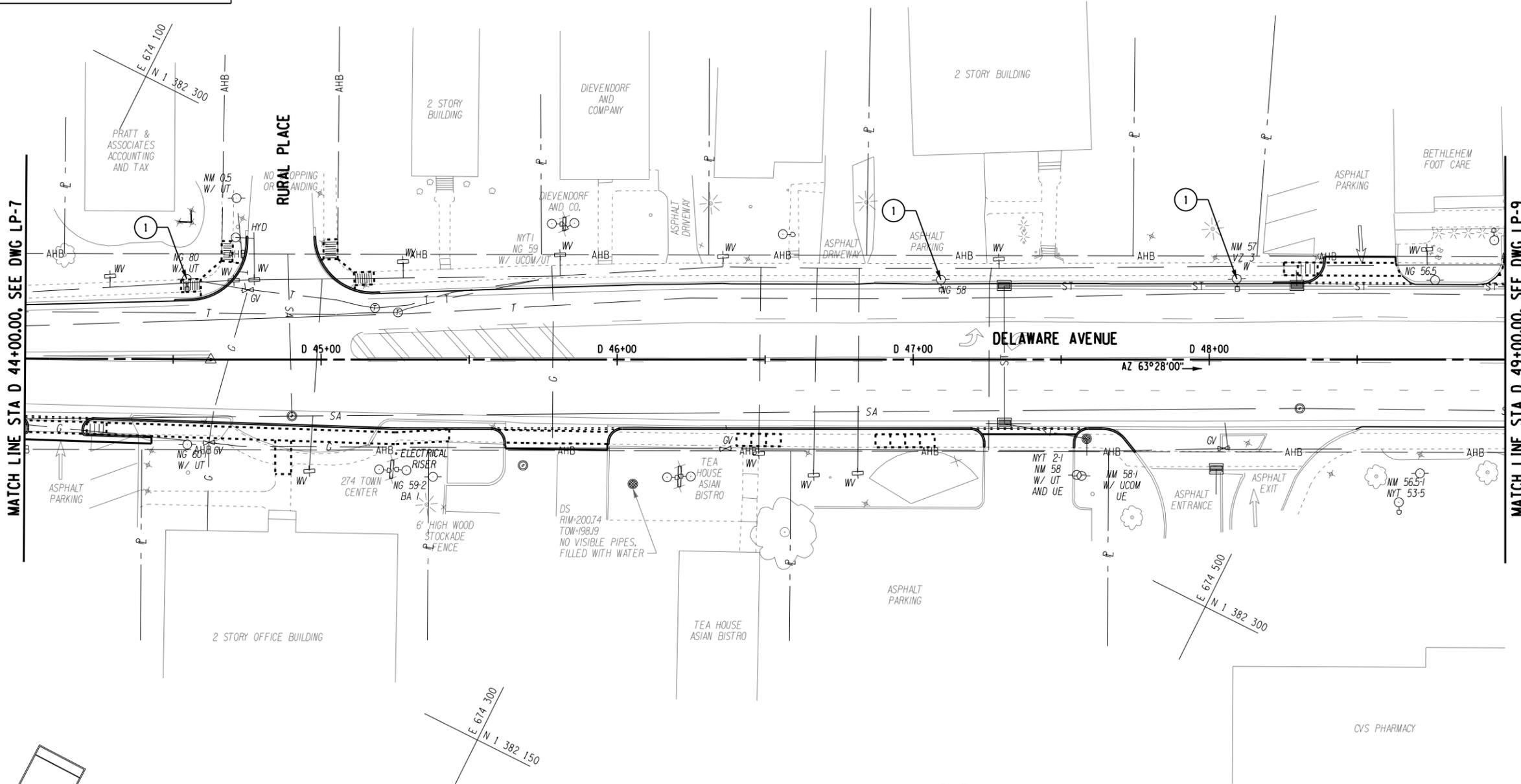
PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
 TOWN OF BETHLEHEM, ALBANY COUNTY, NY

LIGHTING PLAN

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	LP-7
Checked By: MTS	Plot Date: 2/21/2017	SHEET 57

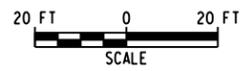
TAG	DESCRIPTION	ITEM
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LEGEND	
	LIGHTING CONDUIT
	PULL BOX
	PROPOSED LIGHTING ASSEMBLY AND REFERENCE NUMBER



KEY PLAN
NTS

- NOTES:**
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PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
 TOWN OF BETHLEHEM, ALBANY COUNTY, NY

LIGHTING PLAN

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	LP-8
Checked By: MTS	Plot Date: 2/21/2017	SHEET 58

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 DATE/TIME = 2/21/2017
 USER = 4066



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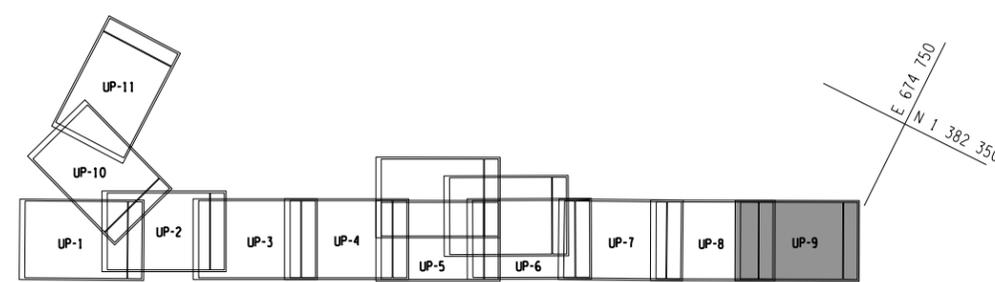
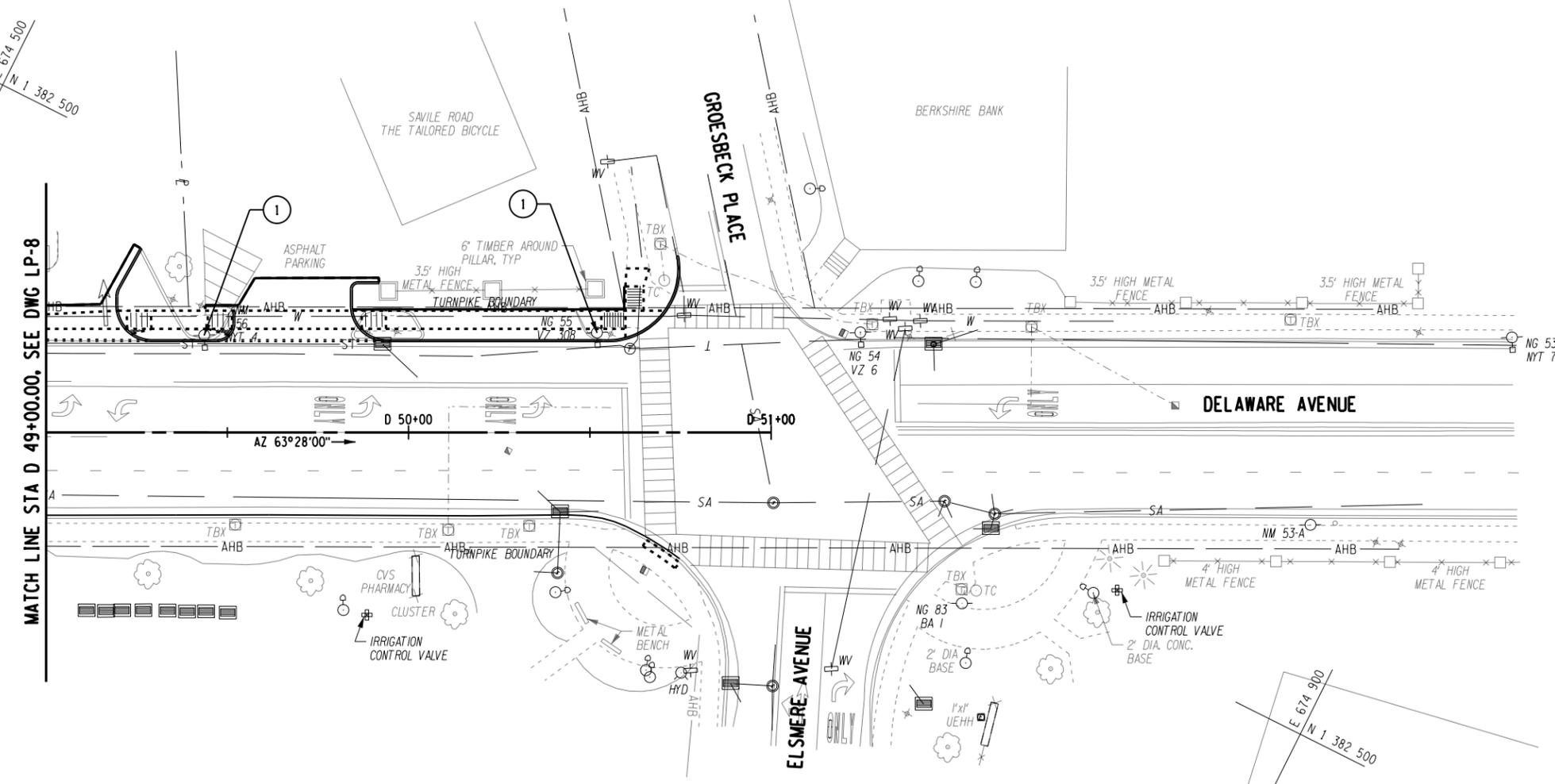
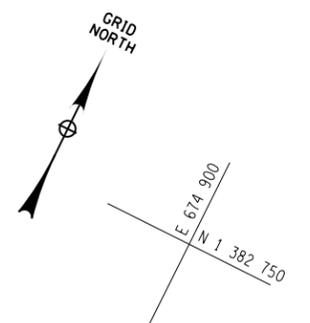
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DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
 TOWN OF BETHLEHEM, ALBANY COUNTY, NY

LIGHTING PLAN

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	LP-9
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 59

TAG	DESCRIPTION	ITEM
①	LED FIXTURE AND DECORATIVE SUPPORT ARM (SEE NOTE 2)	670.01360039
②	REMOVE EXISTING POST TOP AND INSTALL NEW POST TOP FIXTURE (SEE NOTE 3)	670.01100039

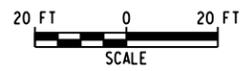
LEGEND	
	LIGHTING CONDUIT
	PULL BOX
	PROPOSED LIGHTING ASSEMBLY AND REFERENCE NUMBER



KEY PLAN
NTS

NOTES:

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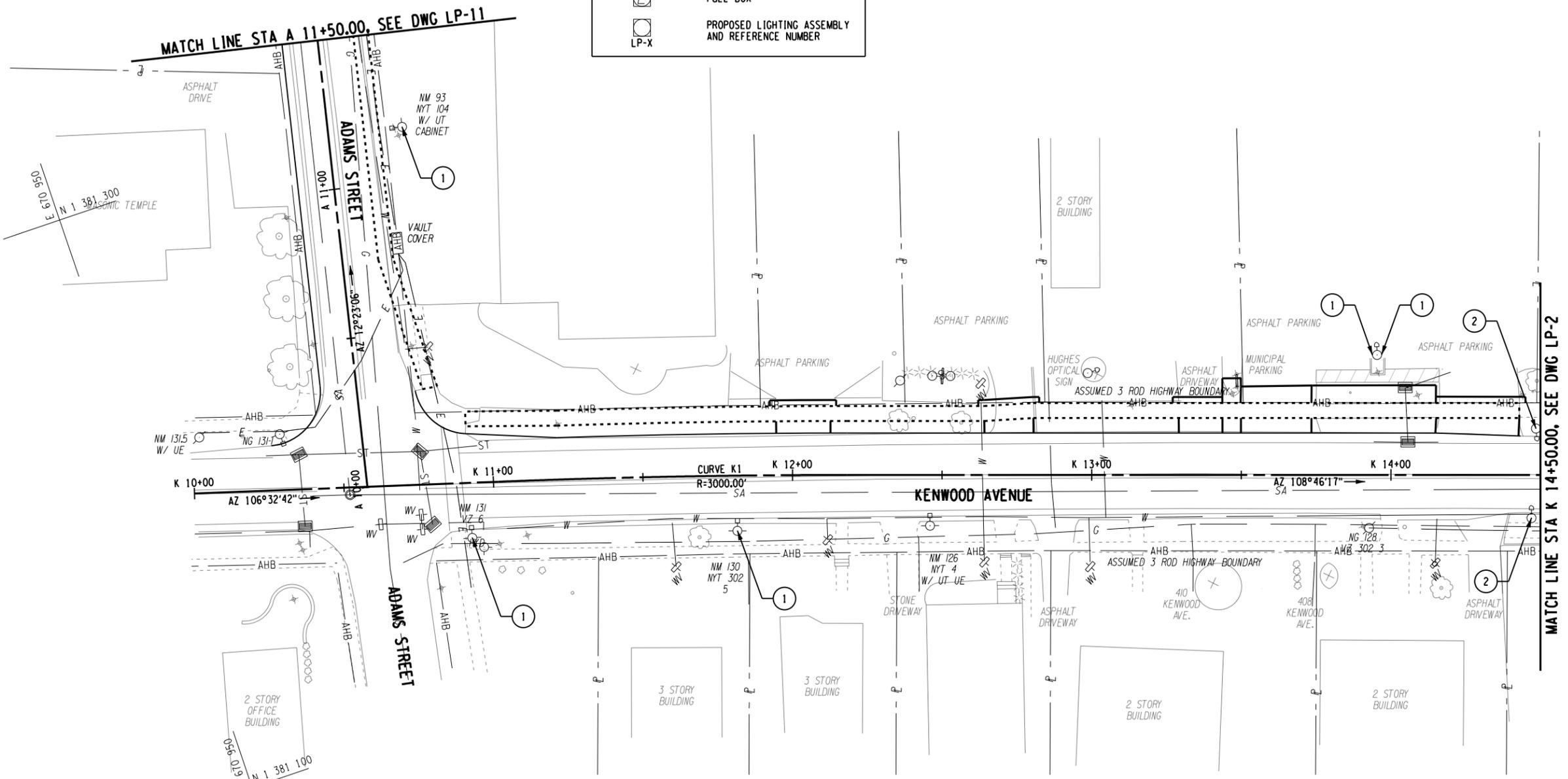
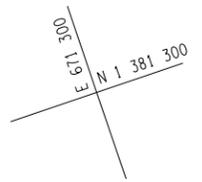
PIN 1759.68
**DELAWARE AVENUE HAMLET
 MULTI-MODAL STREETScape
 ENHANCEMENTS**
 TOWN OF BETHLEHEM,
 ALBANY COUNTY, NY

**LIGHTING
 PLAN**

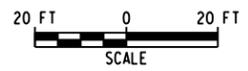
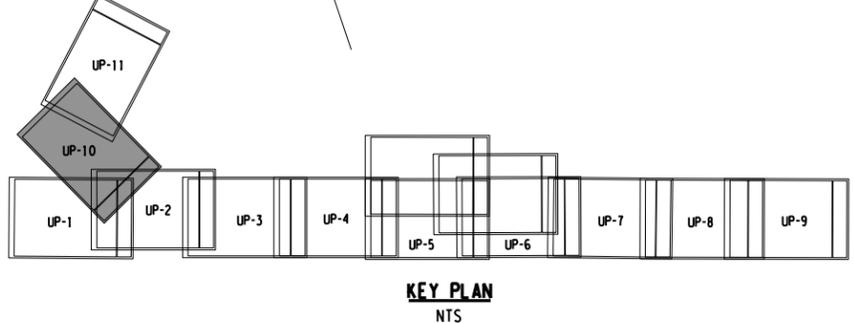
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Drawn By: MED	Scale: AS SHOWN	LP-10
Checked By: MTS	Plot Date: 2/21/2017	SHEET 60

TAG	DESCRIPTION	ITEM
①	LED FIXTURE AND DECORATIVE SUPPORT ARM (SEE NOTE 2)	670.01360039
②	REMOVE EXISTING POST TOP AND INSTALL NEW POST TOP FIXTURE (SEE NOTE 3)	670.01100039

LEGEND	
	LIGHTING CONDUIT
	PULL BOX
	PROPOSED LIGHTING ASSEMBLY AND REFERENCE NUMBER



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FILE NAME = V:\p\proj\175968\175968.dgn
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 USER = 4066



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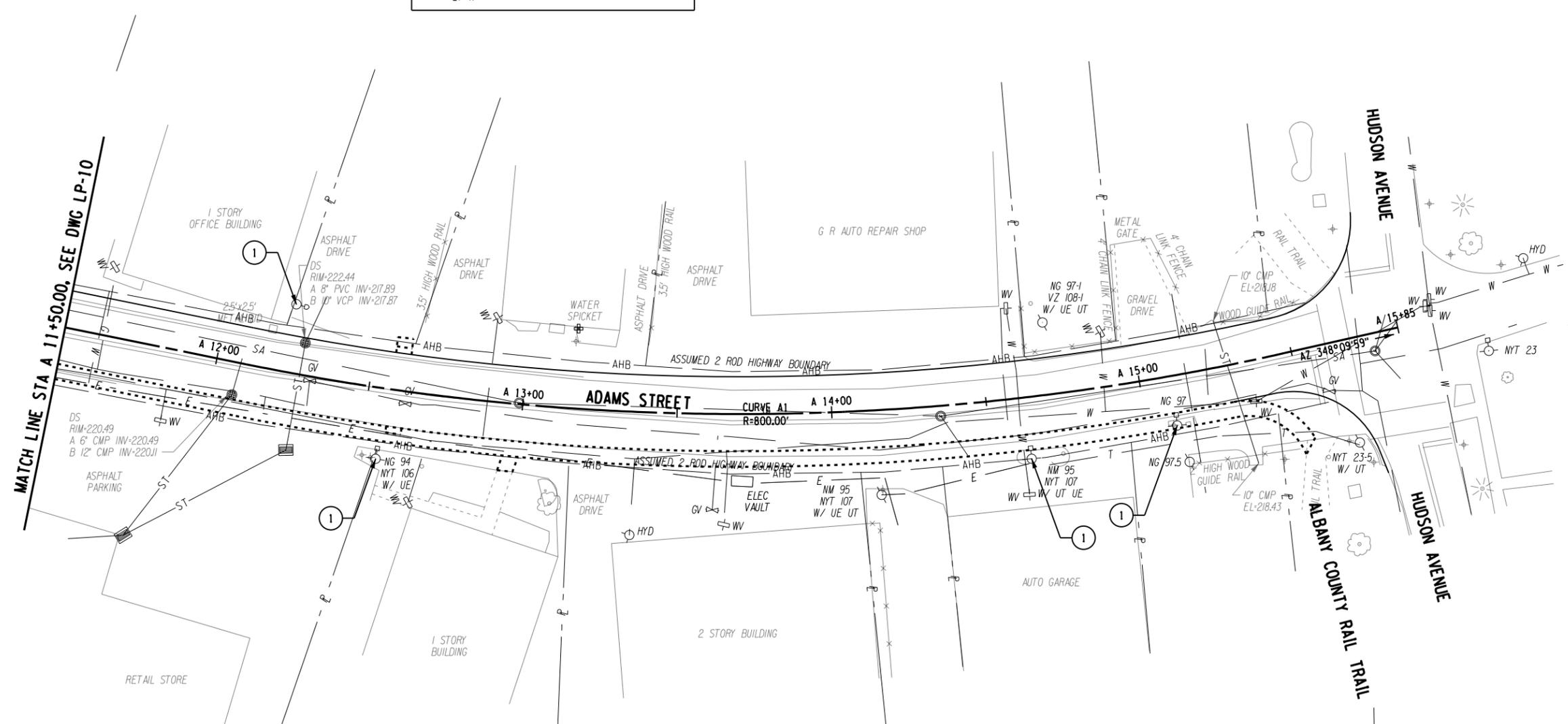
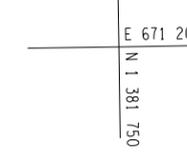
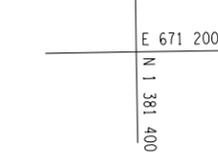
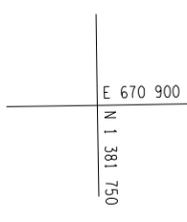
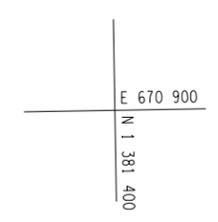
PIN 1759.68
**DELAWARE AVENUE HAMLET
 MULTI-MODAL STREETScape
 ENHANCEMENTS**
 TOWN OF BETHLEHEM,
 ALBANY COUNTY, NY

**LIGHTING
 PLAN**

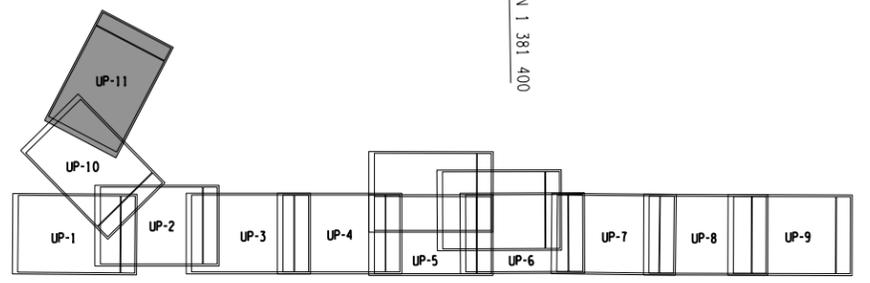
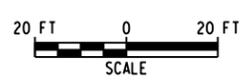
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Drawn By: MED	Scale: AS SHOWN	LP-11
Checked By: MTS	Plot Date: 2/21/2017	SHEET 61

TAG	DESCRIPTION	ITEM
①	LED FIXTURE AND DECORATIVE SUPPORT ARM (SEE NOTE 2)	670.01360039
②	REMOVE EXISTING POST TOP AND INSTALL NEW POST TOP FIXTURE (SEE NOTE 3)	670.01100039

LEGEND	
	LIGHTING CONDUIT
	PULL BOX
	PROPOSED LIGHTING ASSEMBLY AND REFERENCE NUMBER

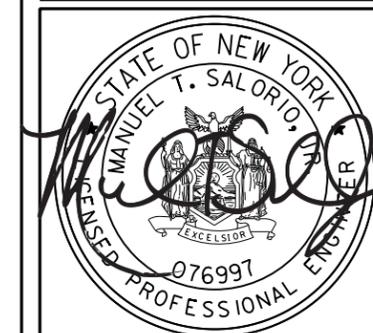


- NOTES:**
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KEY PLAN
 NTS

FILE NAME = V:\p\projects\ANY\K\A\30792\CADD\...MSTN\175968.cph_lgt_11.dgn
 DATE/TIME = 2/21/2017
 USER = 4066



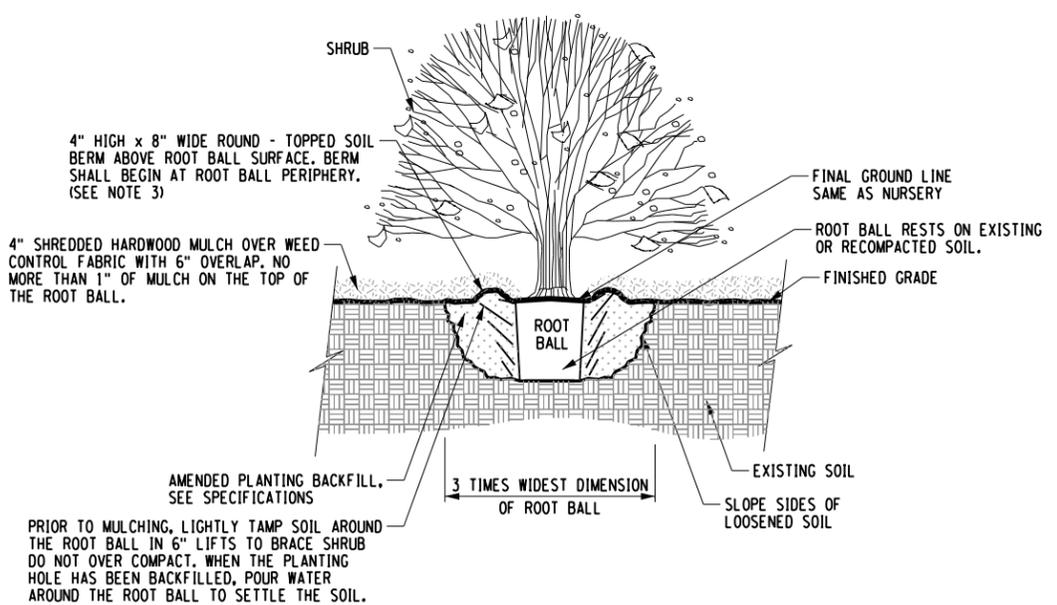
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No.	Submittal / Revision	Appd.	Date

PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
 TOWN OF BETHLEHEM, ALBANY COUNTY, NY

LANDSCAPE DETAILS

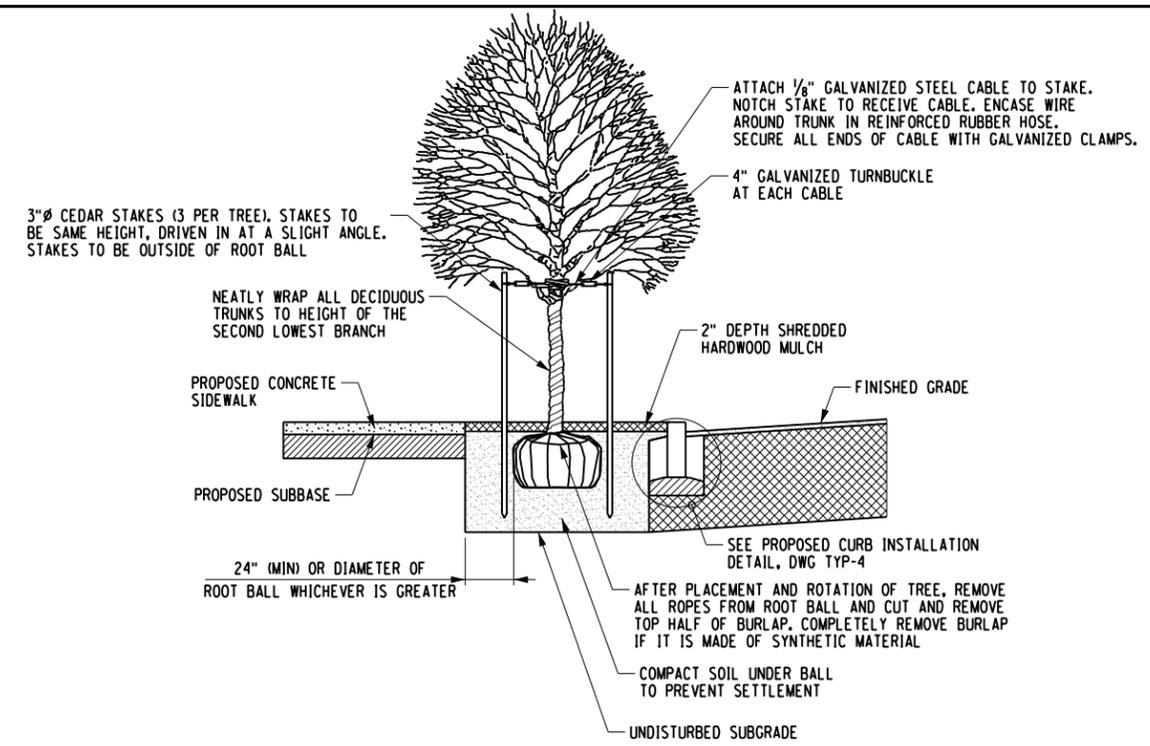
Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	LAD-1
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 62



SHRUB PLANTING
NTS

NOTES:

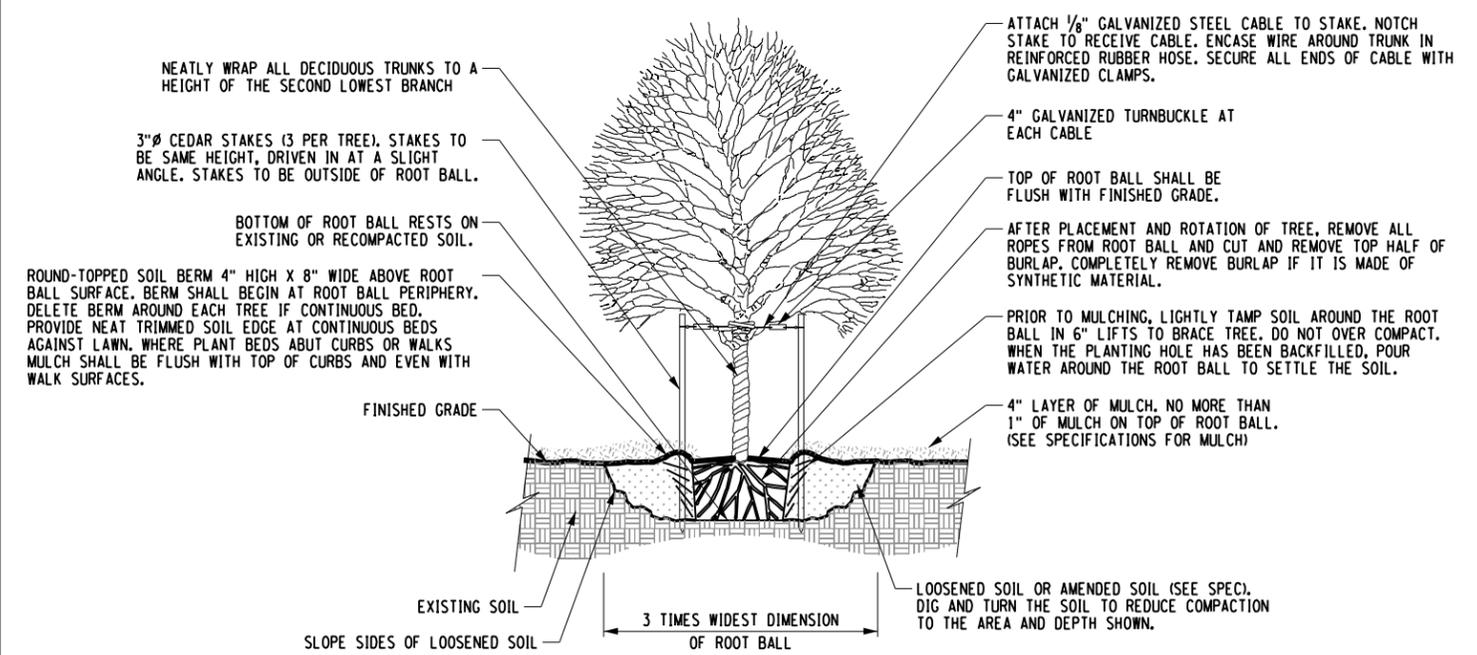
1. PLANTING SOIL MIX IN INDIVIDUAL PLANTING HOLES OR CONTINUOUS BEDS; SEE SCHEDULE OF SOIL AMENDMENTS IN SPECIFICATIONS.
2. AFTER PLACEMENT AND ROTATION OF SHRUB REMOVE ALL ROPES FROM ROOT BALL AND CUT AND REMOVE TOP OF BURLAP. COMPLETELY REMOVE BURLAP IF IT IS MADE OF SYNTHETIC MATERIAL.
3. DELETE SOIL BERM AROUND EACH SHRUB IF CONTINUOUS BED. PROVIDE NEAT TRIMMED SOIL EDGE AT CONTINUOUS BEDS AGAINST LAWN. WHERE PLANT BEDS ABUT CURBS OR WALKS MULCH SHOULD BE FLUSH WITH TOP OF CURBS AND EVEN WITH WALK SURFACES.
4. PRUNE BROKEN CANES AFTER PLANTING



TREE PLANTER DETAIL
NTS

NOTES:

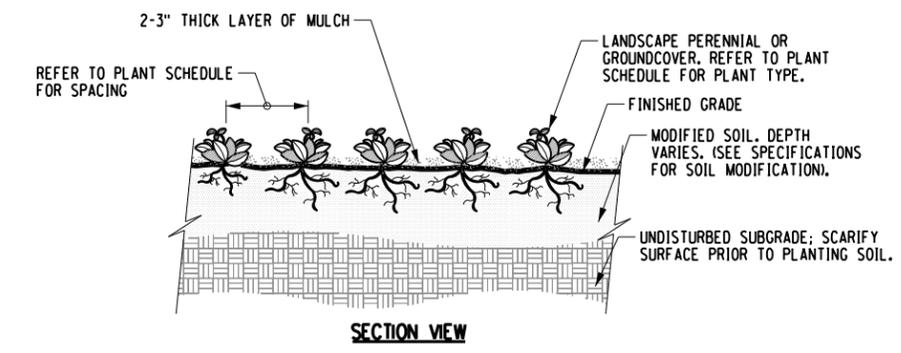
1. SEE PLANTING LEGEND FOR GROUNDCOVER SPECIES, SIZE, AND SPACING DIMENSION.
2. SETTLE SOIL AROUND ROOT BALL OF EACH GROUNDCOVER PRIOR TO MULCHING.



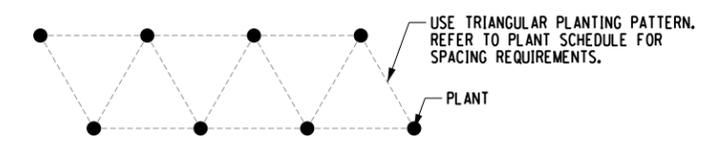
DECIDUOUS TREE PLANTING & STAKING
NTS

NOTES:

1. TREE SHALL BARE SAME RELATIONSHIP TO FINISH GRADE AS IN THE NURSERY.
2. PRUNE ANY BROKEN BRANCHES AFTER FINAL PLACEMENT. PRUNE PERIMETER BRANCHES AS REQUIRED BUT RETAIN NATURAL SHAPE OF TREE. NEVER CUT A LEADER. PRUNING TO BE PERFORMED BY A QUALIFIED AROBORIST/BOTANIST ONLY.
3. TREE SHALL BE PLUMB AND STRAIGHT.



SECTION VIEW



PLANTING PATTERN
NTS

GROUNDCOVER/PERENNIAL PLANTING
NTS

NOTES:

1. SEE PLANTING LEGEND FOR GROUNDCOVER SPECIES, SIZE, AND SPACING DIMENSION.
2. SETTLE SOIL AROUND ROOT BALL OF EACH GROUNDCOVER PRIOR TO MULCHING.

FILE NAME = W:\Projects\175968\175968\CADD\175968.dgn
 DATE/TIME = 2/21/2017 10:46:56
 USER = AMJ



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

No.	Submittal / Revision	Appd.	Date

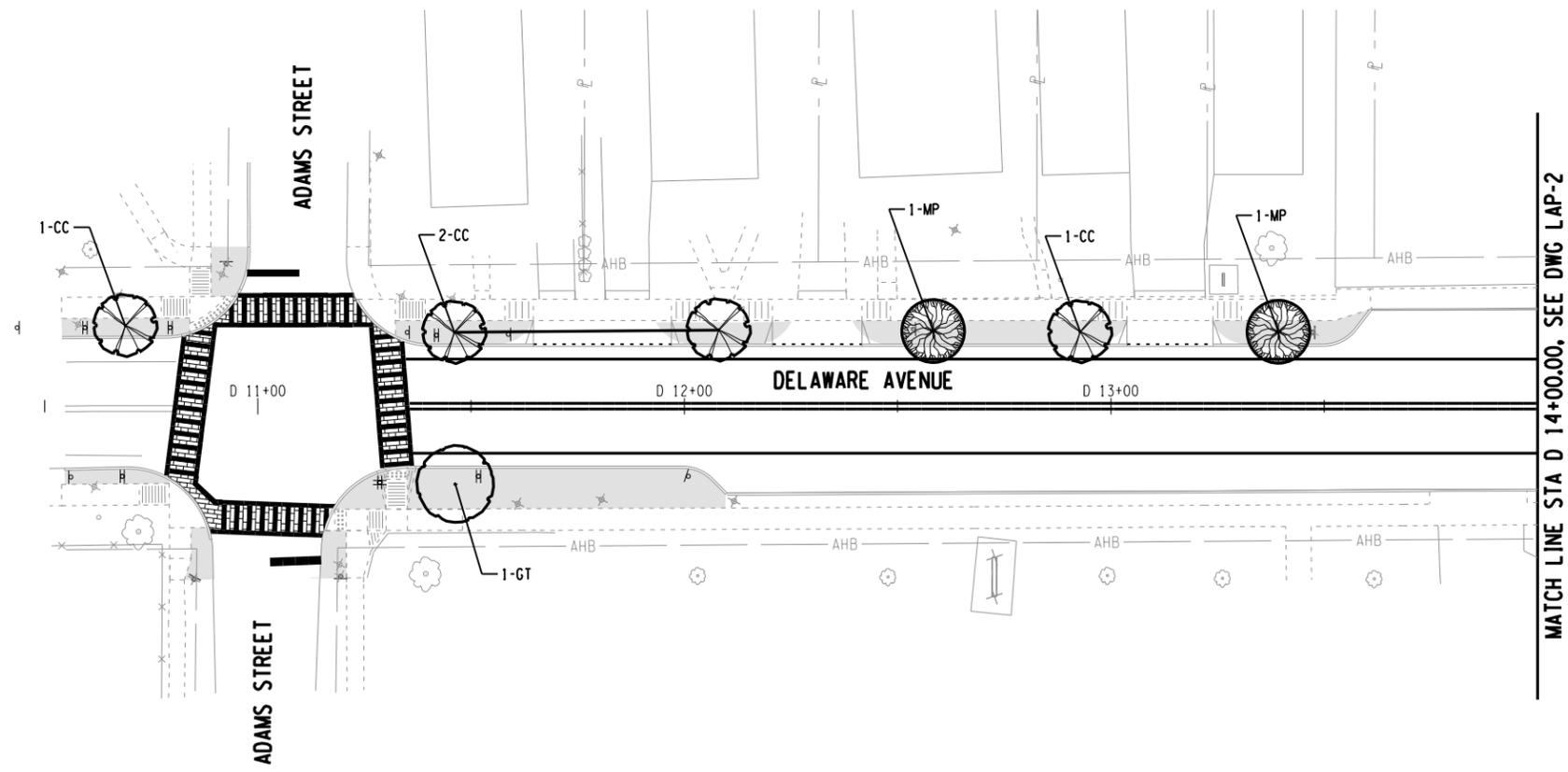
PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
 TOWN OF BETHLEHEM, ALBANY COUNTY, NY

LANDSCAPE PLAN

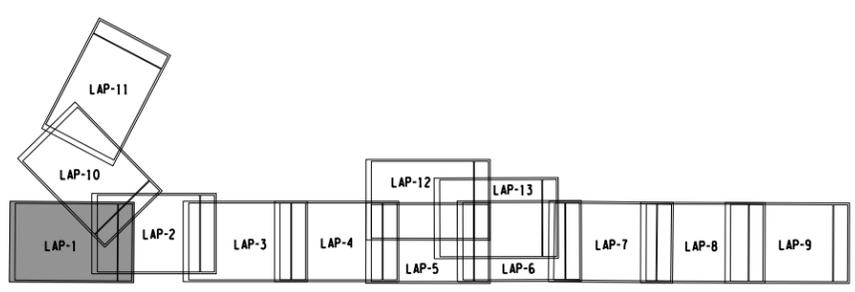
Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	LAP-1
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 63

QUANTITY	ITEM NUMBER	DESCRIPTION
5	611.0291 AND 610.19	MINOR DECIDUOUS TREES
5	611.0151 AND 610.19	MAJOR DECIDUOUS TREES
40	611.0711 AND 610.19	HERBACEOUS PLANTS
40	611.0412 AND 610.19	DECIDUOUS SHRUBS
5	611.0611 AND 610.19	GROUND COVER PLANTINGS

KEY	COUNT	BOTANICAL-NAME	COMMON-NAME	SIZE	CONDITION	ITEM NUMBER	COMMENTS
AA	14	AMELANCHIER 'AUTUMN BRILLIANCE'	SERVICEBERRY	4-5' HT	B&B	611.0231, 610.19	TREE FORM
AR	12	ACER RUBRUM	RED MAPLE	1.75-2" CAL.	B&B	611.0291, 610.19	
CC	16	CRATAEGUS CRUS-GALLI VAR. INERMIS	THORNLESS COCKSPUR HAWTHORN	1.75-2" CAL.	B&B	611.0291, 610.19	
GT	10	GLEDITSIA TRIACANTHOS INERMIS 'SHADEMASTER'	SHADEMASTER HONEYLOCUST	2-2.5" CAL.	B&B	611.0151, 610.19	
MP	23	MALUS 'PRAIRIFIRE'	FLOWERING CRABAPPLE	1.75-2" CAL.	B&B	611.0291, 610.19	
SR	19	SYRINGA RETICULATA	JAPANESE TREE LILAC	1.75-2" CAL.	B&B	611.0291, 610.19	TREE FORM
ZS	22	ZELKOVA SERRATA 'CITY SPRITE'	JAPANESE ZELKOVA	2-2.5" CAL.	B&B	611.0151, 610.19	



MATCH LINE STA D 14+00.00, SEE DWG LAP-2



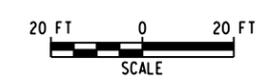
KEY PLAN
NTS

LEGEND

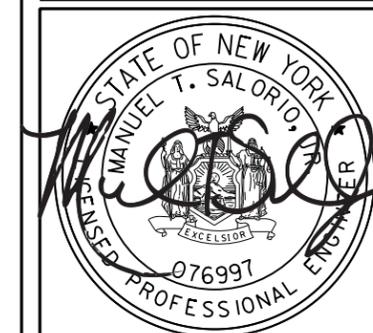
- GRASS MAINTENANCE STRIP
4"-ITEM 610.1403 & ITEM 610.1602
- RED BRICK IMPRINT MAINTENANCE STRIP
4"-ITEM 608.01020005 & 6"-ITEM 304.12

NOTES:

1. SEE TREE PLANTING SCHEDULE, THIS SHEET.
2. A QUANTITY OF VARIOUS PLANTING ITEMS IS INCLUDED IN THE CONTRACT FOR MISCELLANEOUS PLANTING LOCATIONS THROUGHOUT THE PROJECT LIMITS. THE LOCATIONS OF THESE MISCELLANEOUS PLANTINGS SHALL BE DETERMINED BY THE TOWN PLANNER.



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USER = 4066



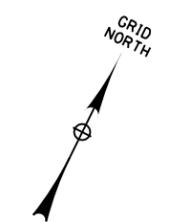
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

No.	Submittal / Revision	Appd.	Date

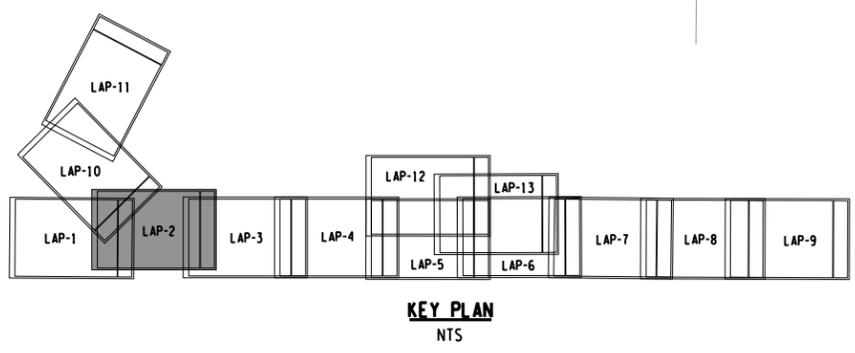
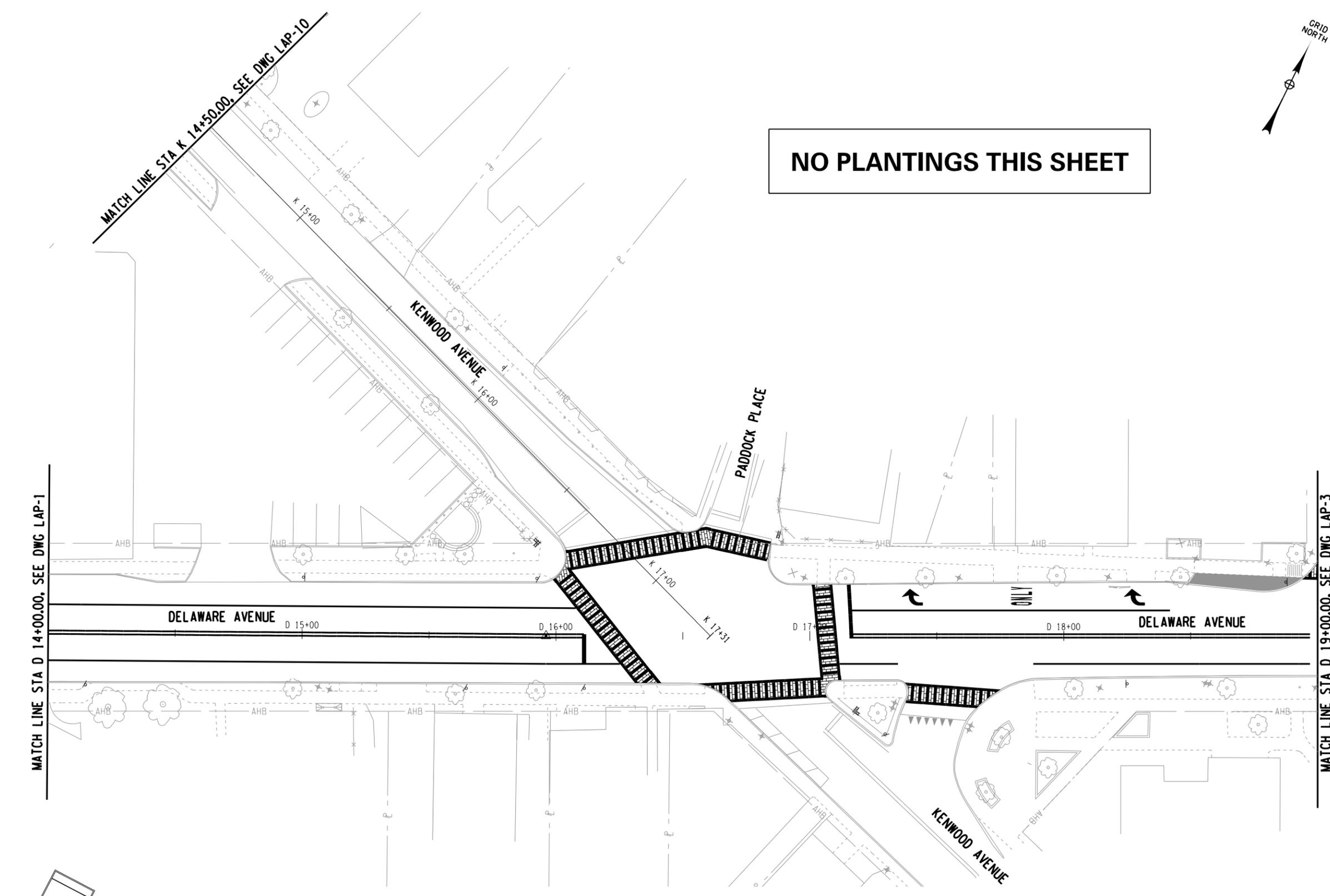
PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

LANDSCAPE PLAN

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	LAP-2
Checked By: MTS	Plot Date: 2/21/2017	SHEET 64

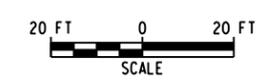


NO PLANTINGS THIS SHEET

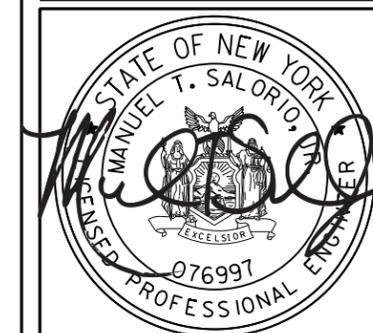


- NOTES:**
- SEE TREE PLANTING SCHEDULE, LAP-1.
 - A QUANTITY OF VARIOUS PLANTING ITEMS IS INCLUDED IN THE CONTRACT FOR MISCELLANEOUS PLANTING LOCATIONS THROUGHOUT THE PROJECT LIMITS. THE LOCATIONS OF THESE MISCELLANEOUS PLANTINGS SHALL BE DETERMINED BY THE TOWN PLANNER. SEE TABLE, DWG LAP-1.

- LEGEND**
- GRASS MAINTENANCE STRIP
4"-ITEM 610.1403 & ITEM 610.1602
 - RED BRICK IMPRINT MAINTENANCE STRIP
4"-ITEM 608.01020005 & 6"-ITEM 304.12



FILE NAME = W:\p\projects\ANY\K\A\30792\CADD\HSTN\175968.cph_lap_02.dgn
DATE/TIME = 2/21/2017
USER = 4066



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

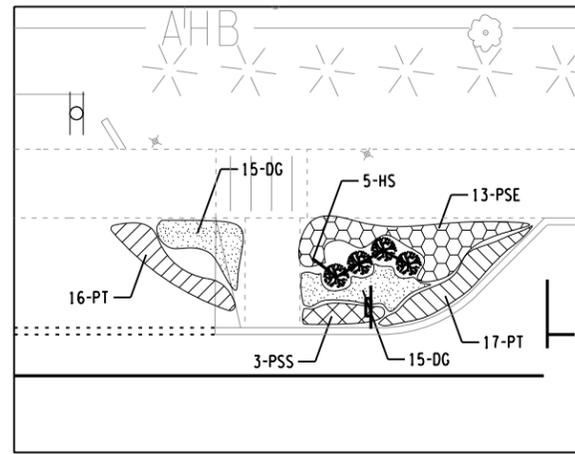
No.	Submittal / Revision	Appd.	Date

PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
 TOWN OF BETHLEHEM, ALBANY COUNTY, NY

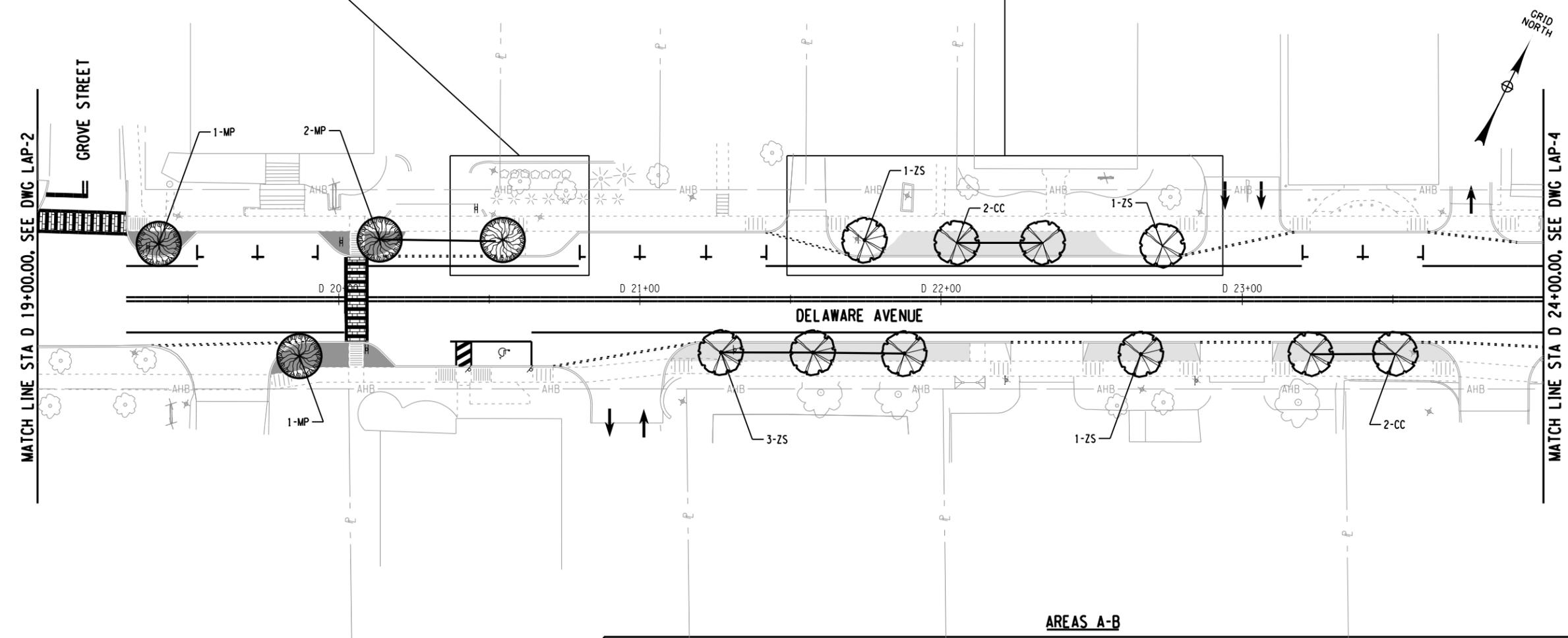
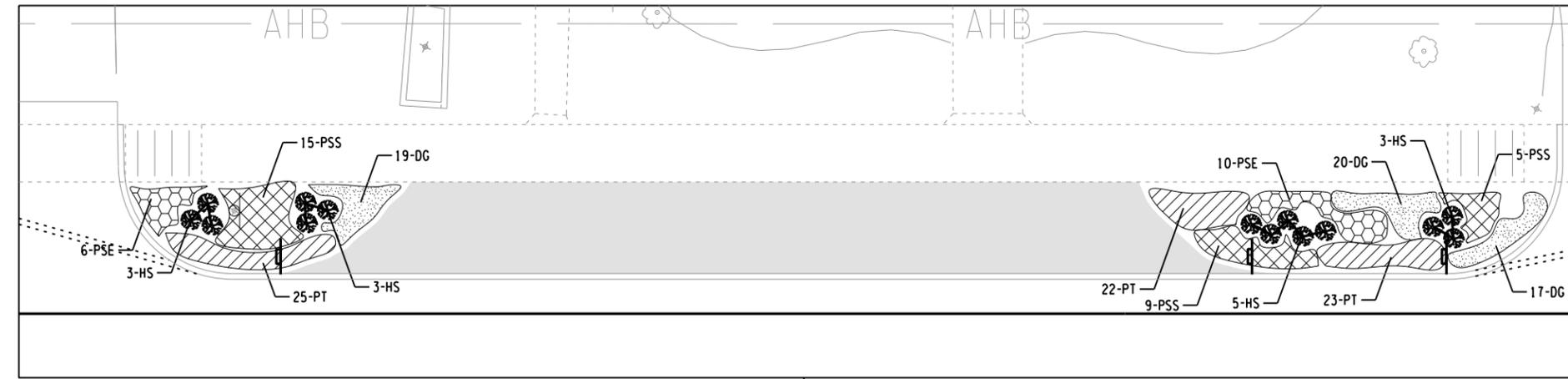
LANDSCAPE PLAN

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	LAP-3
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 65

DETAIL PLANTING AREA A



DETAIL PLANTING AREA B



AREAS A-B

SHRUB/PERENNIAL PLANTING SCHEDULE

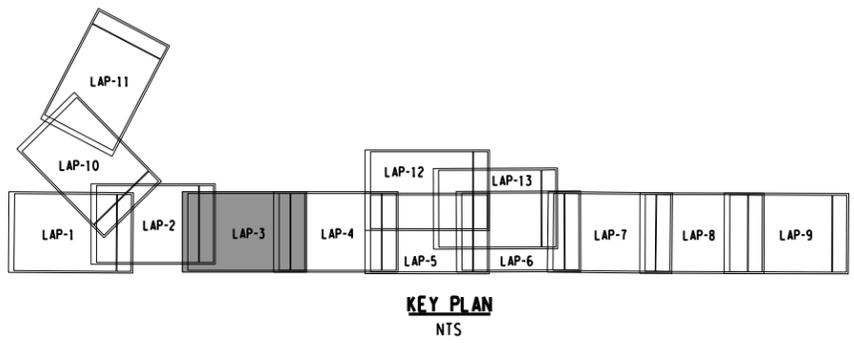
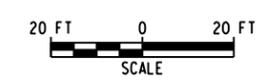
KEY	COUNT	BOTANICAL -NAME	COMMON NAME	SIZE	CONDITION	ITEM NO	COMMENTS
DC	86	DIANTHUS GRATIANOPOLITANUS 'FIREWITCH'	DIANTHUS	#1	CONT	611.0711, 610.19	MAGENTA BLOOM
HS	19	HYPERICUM 'SUNGOLD'	SUNGOLD SHRUBBY ST. JOHN'S WORT	#3	CONT	611.0412, 610.19	
PSS	32	PHLOX SUBULATA 'SCARLET FLAME'	CREEPING PHLOX	#1	CONT	611.0711, 610.19	RED BLOOM
PSE	29	PHLOX SUBULATA 'EMERALD BLUE'	CREEPING PHLOX	#1	CONT	611.0711, 610.19	LIGHT BLUE BLOOM
PT	103	POTENTILLA TRIDENTATA	THREE-TOOTHED CINQUEFOIL	#1	CONT	611.0412, 610.19	WHITE BLOOM

LEGEND

- GRASS MAINTENANCE STRIP
4"-ITEM 610.1403 & ITEM 610.1602
- RED BRICK IMPRINT MAINTENANCE STRIP
4"-ITEM 608.9401007 & 6"-ITEM 304.12

NOTES:

1. ALL WORK TO REMOVE EXISTING SHRUB SHALL BE PAID UNDER ITEM 203.02.
2. SEE TREE PLANTING SCHEDULE, DWG LAP-1.
3. A QUANTITY OF VARIOUS PLANTING ITEMS IS INCLUDED IN THE CONTRACT FOR MISCELLANEOUS PLANTING LOCATIONS THROUGHOUT THE PROJECT LIMITS. THE LOCATIONS OF THESE MISCELLANEOUS PLANTINGS SHALL BE DETERMINED BY THE TOWN PLANNER. SEE TABLE, DWG LAP-1.



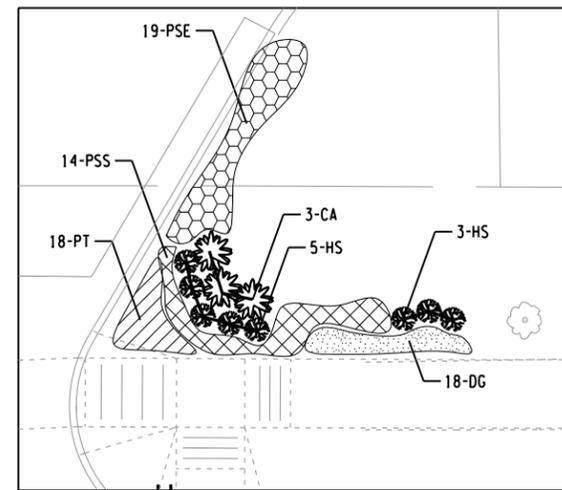
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AREA E

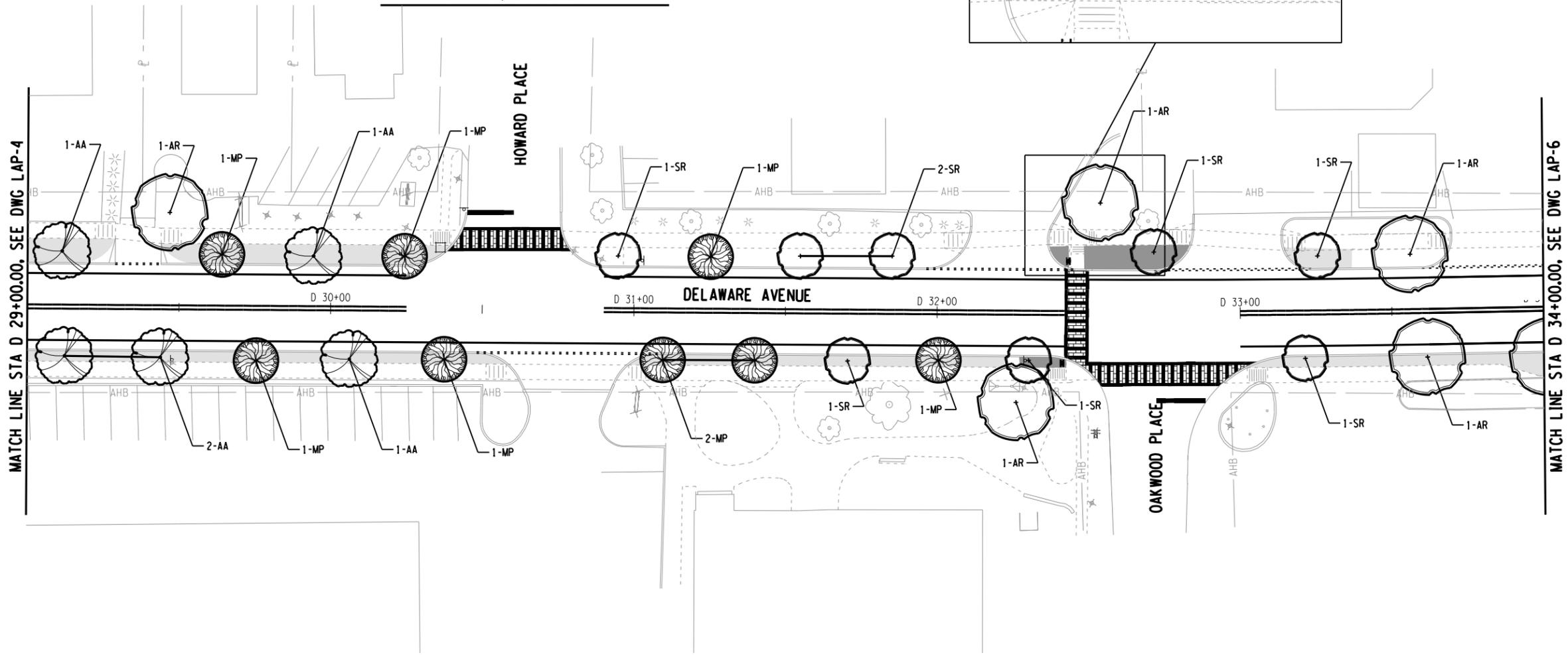
SHRUB/PERENNIAL PLANTING SCHEDULE

KEY	COUNT	BOTANICAL-NAME	COMMON NAME	SIZE	CONDITION	ITEM NO	COMMENTS
CA	3	CALAMAGROSTIS x ACUTIFLORA 'KARL FOERSTER'	FEATHER REED GRASS	*3	CONT	611.0611, 610.19	
DC	18	DIANTHUS GRATIANOPOLITANUS 'FIREWITCH'	DIANTHUS	*1	CONT	611.0711, 610.19	MAGENTA BLOOM
HS	8	HYPERICUM 'SUNGOLD'	SUNGOLD SHRUBBY ST. JOHN'S WORT	*3	CONT	611.0412, 610.19	
PSS	14	PHLOX SUBULATA 'SCARLET FLAME'	CREeping PHLOX	*1	CONT	611.0711, 610.19	RED BLOOM
PSE	19	PHLOX SUBULATA 'EMERALD BLUE'	CREeping PHLOX	*1	CONT	611.0711, 610.19	LIGHT BLUE BLOOM
PT	18	POTENTILLA TRIDENTATA	THREE-TOOTHED CINQUEFOIL	*1	CONT	611.0412, 610.19	WHITE BLOOM

DETAIL PLANTING AREA E

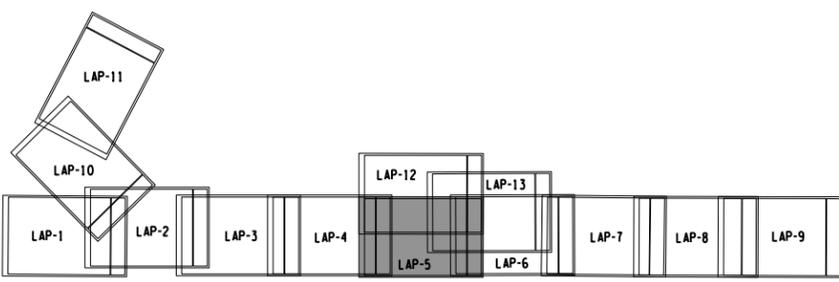


MATCH LINE, SEE DWG LAP-12



MATCH LINE STA D 29+00.00, SEE DWG LAP-4

MATCH LINE STA D 34+00.00, SEE DWG LAP-6



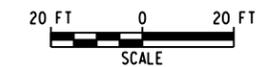
KEY PLAN
NTS

LEGEND

- GRASS MAINTENANCE STRIP
4"-ITEM 610.1403 & ITEM 610.1602
- RED BRICK IMPRINT MAINTENANCE STRIP
4"-ITEM 608.01020005 & 6"-ITEM 304.12

NOTE:

1. SEE TREE PLANTING SCHEDULE, DWG LAP-1.
2. A QUANTITY OF VARIOUS PLANTING ITEMS IS INCLUDED IN THE CONTRACT FOR MISCELLANEOUS PLANTING LOCATIONS THROUGHOUT THE PROJECT LIMITS. THE LOCATIONS OF THESE MISCELLANEOUS PLANTINGS SHALL BE DETERMINED BY THE TOWN PLANNER. SEE TABLE, DWG LAP-1.



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USER = 4066



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

No.	Submission / Revision	Appd.	Date

PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETSCAPE ENHANCEMENTS
TOWN OF BETHLEHEM, ALBANY COUNTY, NY

LANDSCAPE PLAN

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	LAP-5
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 67



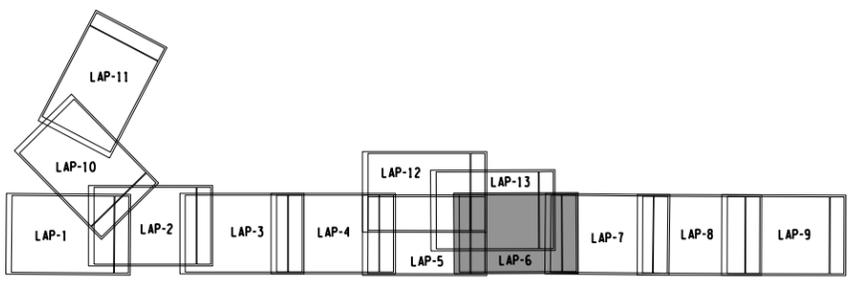
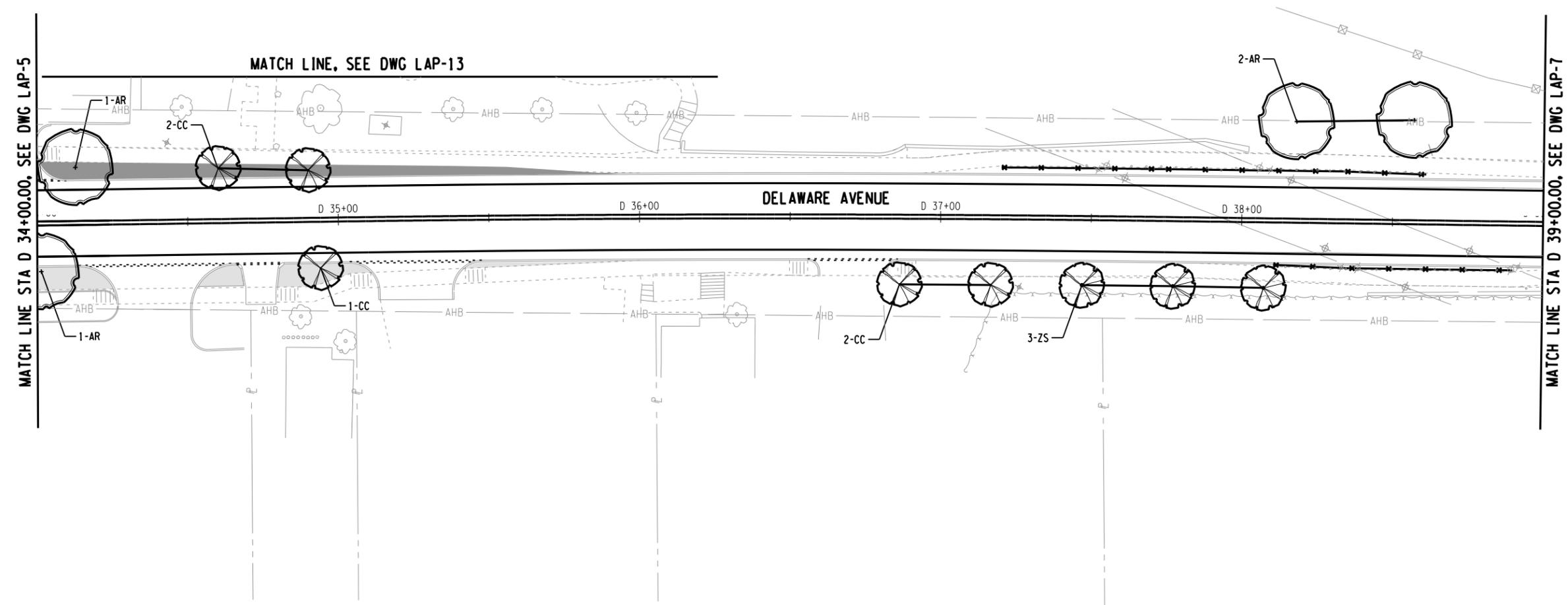
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No.	Submittal / Revision	Appd.	Date

PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETSCAPE
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

LANDSCAPE PLAN

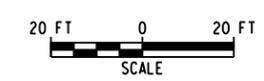
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Drawn By: MED	Scale: AS SHOWN	LAP-6
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 68



KEY PLAN
NTS

- LEGEND**
- GRASS MAINTENANCE STRIP
4"-ITEM 610.1403 & ITEM 610.1602
 - RED BRICK IMPRINT MAINTENANCE STRIP
4"-ITEM 608.0102005 & 6"-ITEM 304.12

- NOTE:**
- SEE TREE PLANTING SCHEDULE, DWG LAP-1.
 - A QUANTITY OF VARIOUS PLANTING ITEMS IS INCLUDED IN THE CONTRACT FOR MISCELLANEOUS PLANTING LOCATIONS THROUGHOUT THE PROJECT LIMITS. THE LOCATIONS OF THESE MISCELLANEOUS PLANTINGS SHALL BE DETERMINED BY THE TOWN PLANNER. SEE TABLE, DWG LAP-1.



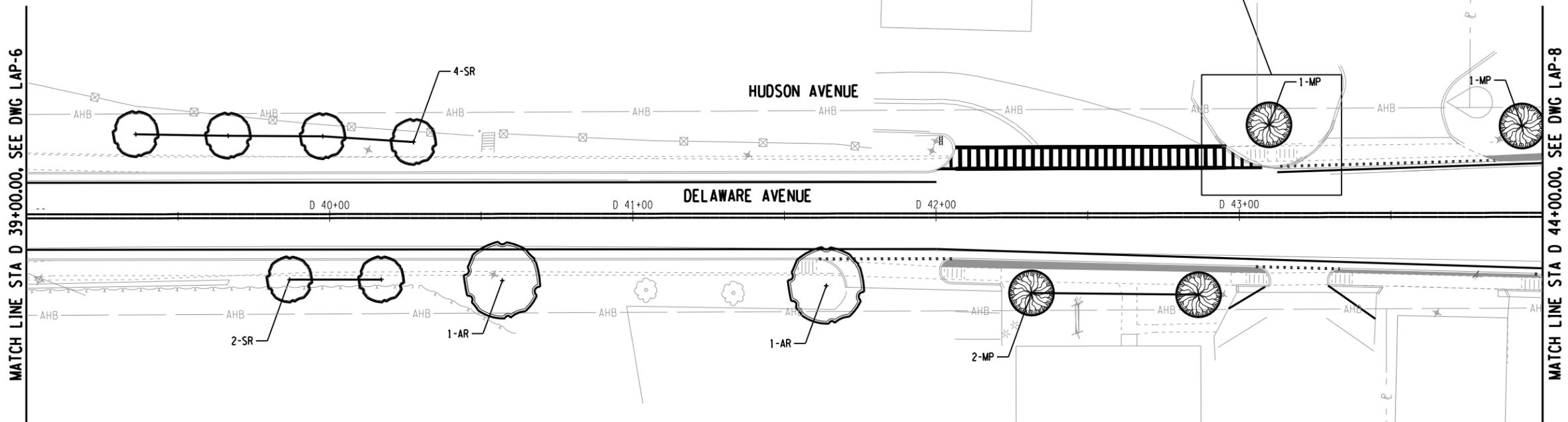
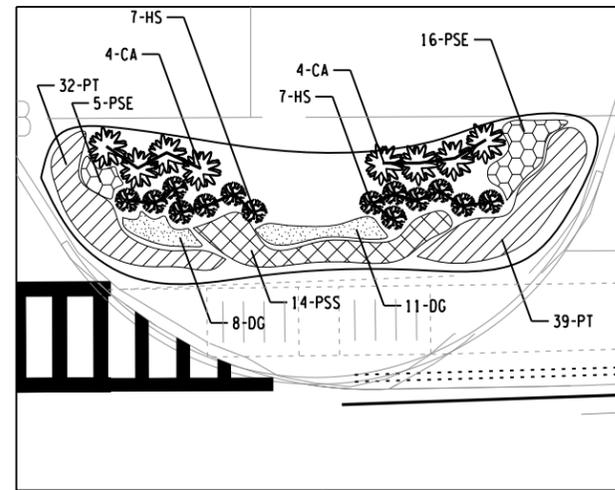
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USER = 4066

AREA F

SHRUB/PERENNIAL PLANTING SCHEDULE

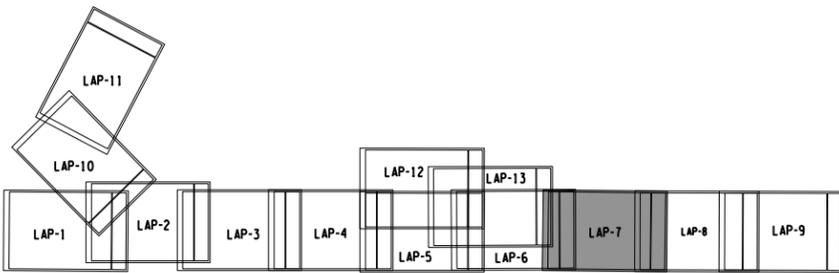
KEY	COUNT	BOTANICAL-NAME	COMMON NAME	SIZE	CONDITION	ITEM NO	COMMENTS
CA	8	CALAMAGROSTIS x ACUTIFLORA 'KARL FOERSTER'	FEATHER REED GRASS	*3	CONT	611.0611, 610.19	
DG	19	DIANTHUS GRATIANOPOLITANUS 'FIREWITCH'	DIANTHUS	*1	CONT	611.0711, 610.19	MAGENTA BLOOM
HS	14	HYPERICUM 'SUNGOLD'	SUNGOLD SHRUBBY ST. JOHN'S WORT	*3	CONT	611.0412, 610.19	
PSS	14	PHLOX SUBULATA 'SCARLET FLAME'	CREEPING PHLOX	*1	CONT	611.0711, 610.19	RED BLOOM
PSE	21	PHLOX SUBULATA 'EMERALD BLUE'	CREEPING PHLOX	*1	CONT	611.0711, 610.19	LIGHT BLUE BLOOM
PT	71	POTENTILLA TRIDENTATA	THREE-TOOTHED CINQUEFOIL	*1	CONT	611.0412, 610.19	WHITE BLOOM

DETAIL PLANTING AREA F



MATCH LINE STA D 39+00.00, SEE DWG LAP-6

MATCH LINE STA D 44+00.00, SEE DWG LAP-8



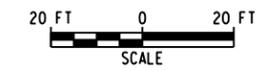
KEY PLAN
NTS

LEGEND

- GRASS MAINTENANCE STRIP
4"-ITEM 610.1403 & ITEM 610.1602
- RED BRICK IMPRINT MAINTENANCE STRIP
4"-ITEM 608.01020005 & 6"-ITEM 304.12

NOTE:

- SEE TREE PLANTING SCHEDULE, DWG LAP-1.
- A QUANTITY OF VARIOUS PLANTING ITEMS IS INCLUDED IN THE CONTRACT FOR MISCELLANEOUS PLANTING LOCATIONS THROUGHOUT THE PROJECT LIMITS. THE LOCATIONS OF THESE MISCELLANEOUS PLANTINGS SHALL BE DETERMINED BY THE TOWN PLANNER. SEE TABLE, DWG LAP-1.



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DATE/TIME = 2/21/2017
USER = 4066



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No.	Submittal / Revision	Appd.	Date

PIN 1759.68
DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

LANDSCAPE PLAN

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	LAP-7
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 69



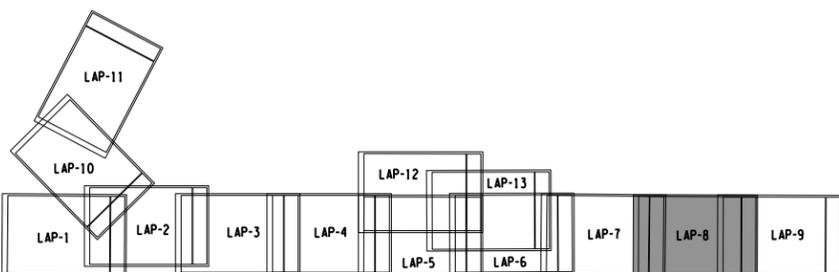
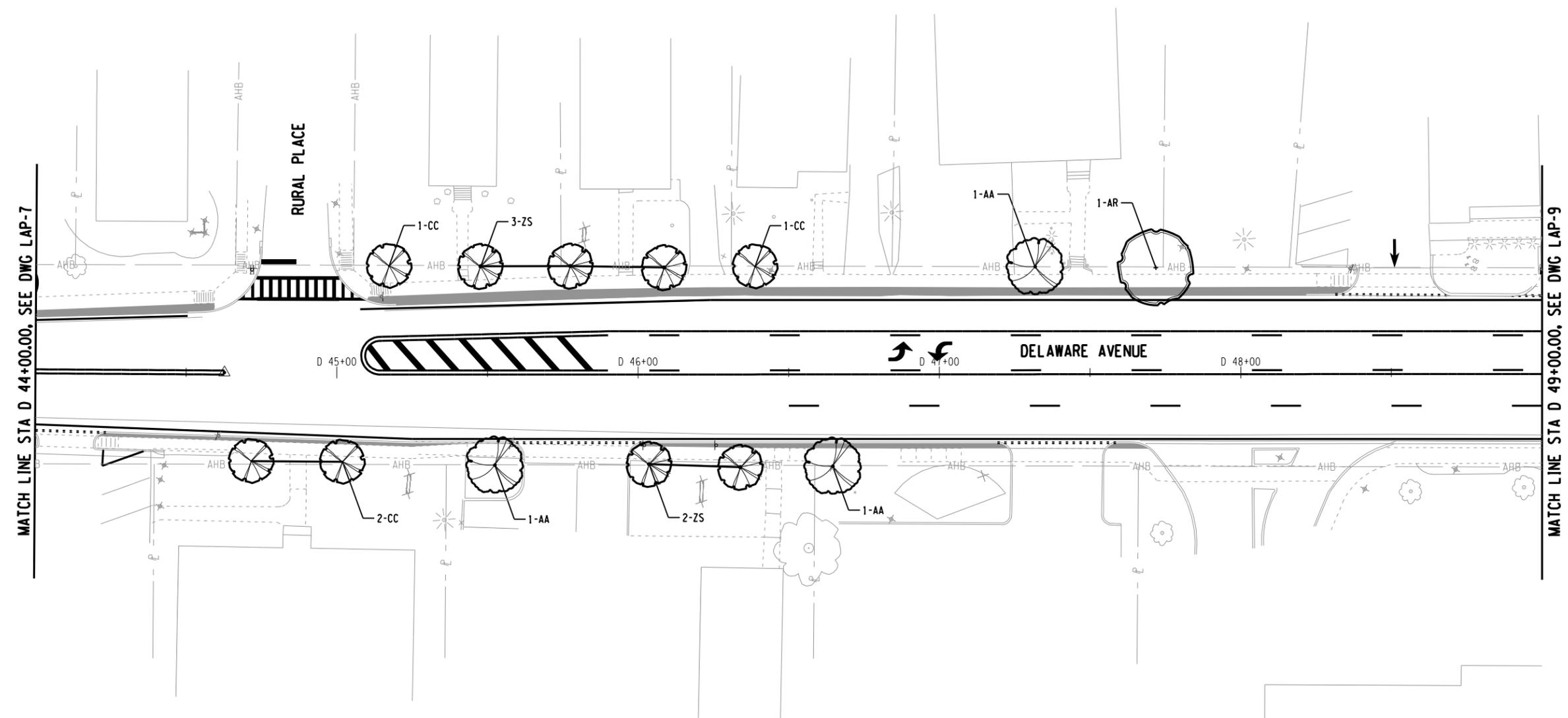
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No.	Submittal / Revision	Appd.	Date

PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

LANDSCAPE PLAN

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	LAP-8
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 70



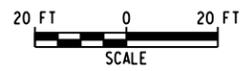
KEY PLAN
NTS

LEGEND

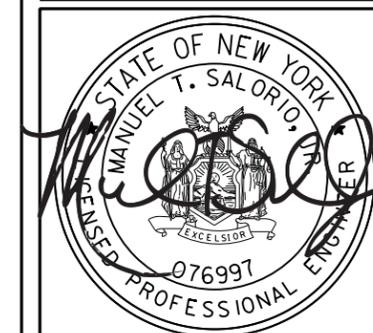
- GRASS MAINTENANCE STRIP
4"-ITEM 610.1403 & ITEM 610.1602
- RED BRICK IMPRINT MAINTENANCE STRIP
4"-ITEM 608.01020005 & 6"-ITEM 304.12

NOTE:

1. WORK TO REMOVE EXISTING ASPHALT SIDEWALK TO BE PAID FOR UNDER ITEM 203.02. CONTRACTOR SHOULD RESTORE DISTURBED AREA TO MATCH MATERIALS AND GRADE ADJACENT.
2. SEE TREE PLANTING SCHEDULE, DWG LAP-1.
3. A QUANTITY OF VARIOUS PLANTING ITEMS IS INCLUDED IN THE CONTRACT FOR MISCELLANEOUS PLANTING LOCATIONS THROUGHOUT THE PROJECT LIMITS. THE LOCATIONS OF THESE MISCELLANEOUS PLANTINGS SHALL BE DETERMINED BY THE TOWN PLANNER. SEE TABLE, DWG LAP-1.



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DATE/TIME = 2/21/2017
USER = 4066



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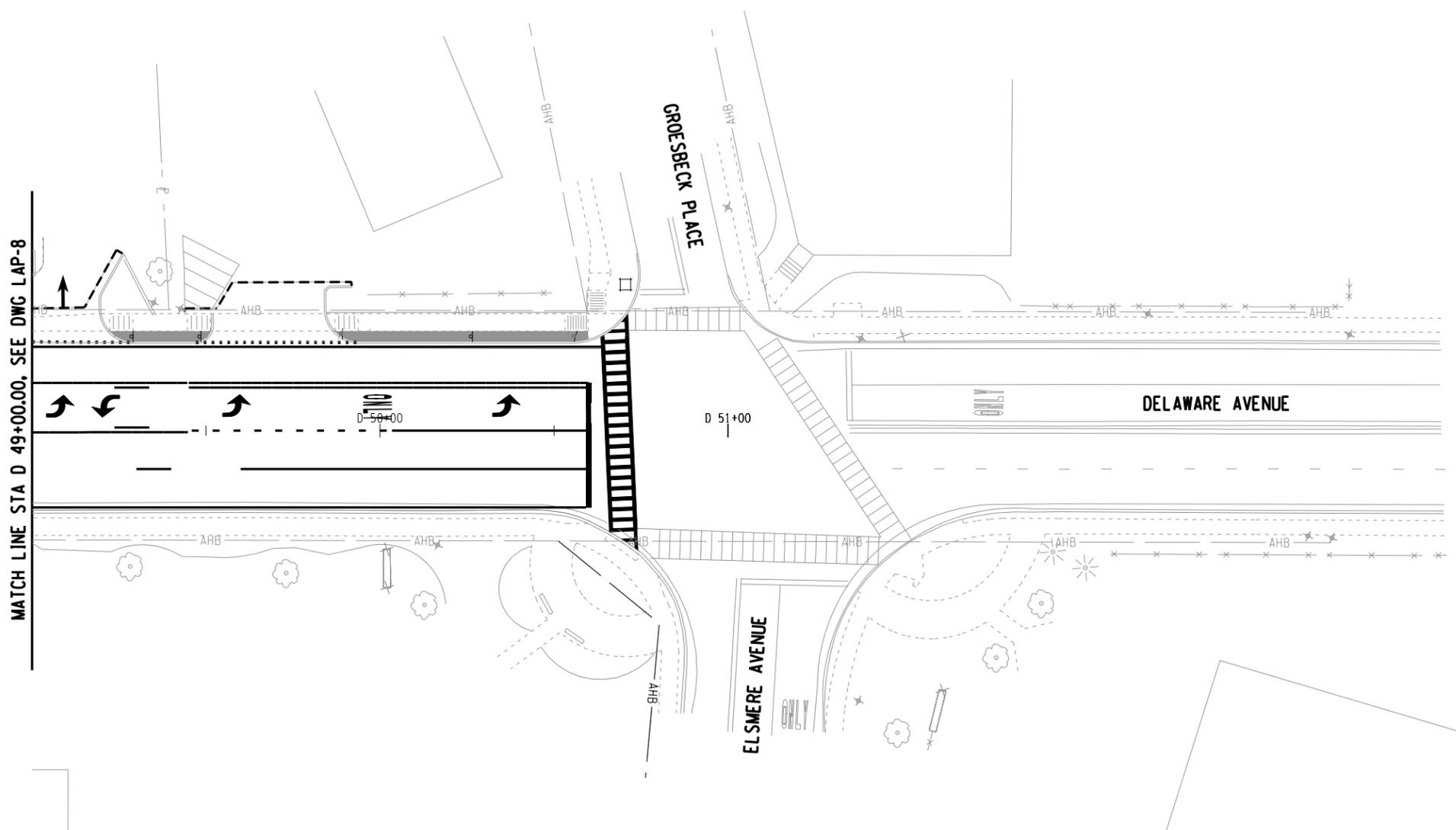
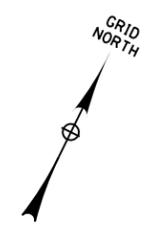
No.	Submittal / Revision	Appd.	Date

PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETSCAPE
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

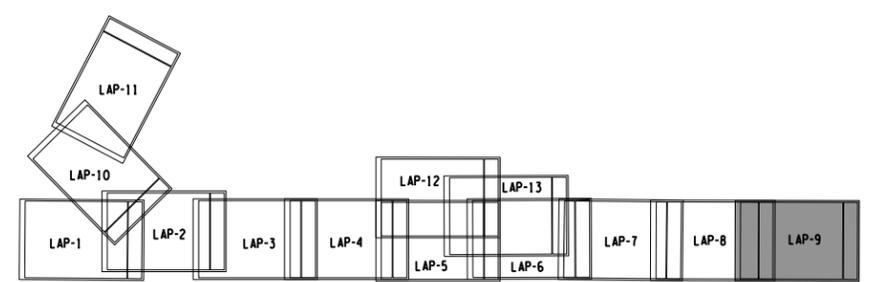
LANDSCAPE PLAN

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	LAP-9
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 71

NO PLANTINGS THIS SHEET



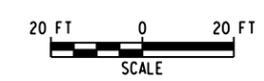
MATCH LINE STA D 49+00.00, SEE DWG LAP-8



KEY PLAN
NTS

- LEGEND**
- GRASS MAINTENANCE STRIP
4"-ITEM 610.1403 & ITEM 610.1602
 - RED BRICK IMPRINT MAINTENANCE STRIP
4"-ITEM 608.01020005 & 6"-ITEM 304.12

- NOTE:**
- SEE TREE PLANTING SCHEDULE, DWG LAP-1.
 - A QUANTITY OF VARIOUS PLANTING ITEMS IS INCLUDED IN THE CONTRACT FOR MISCELLANEOUS PLANTING LOCATIONS THROUGHOUT THE PROJECT LIMITS. THE LOCATIONS OF THESE MISCELLANEOUS PLANTINGS SHALL BE DETERMINED BY THE TOWN PLANNER. SEE TABLE, DWG LAP-1.



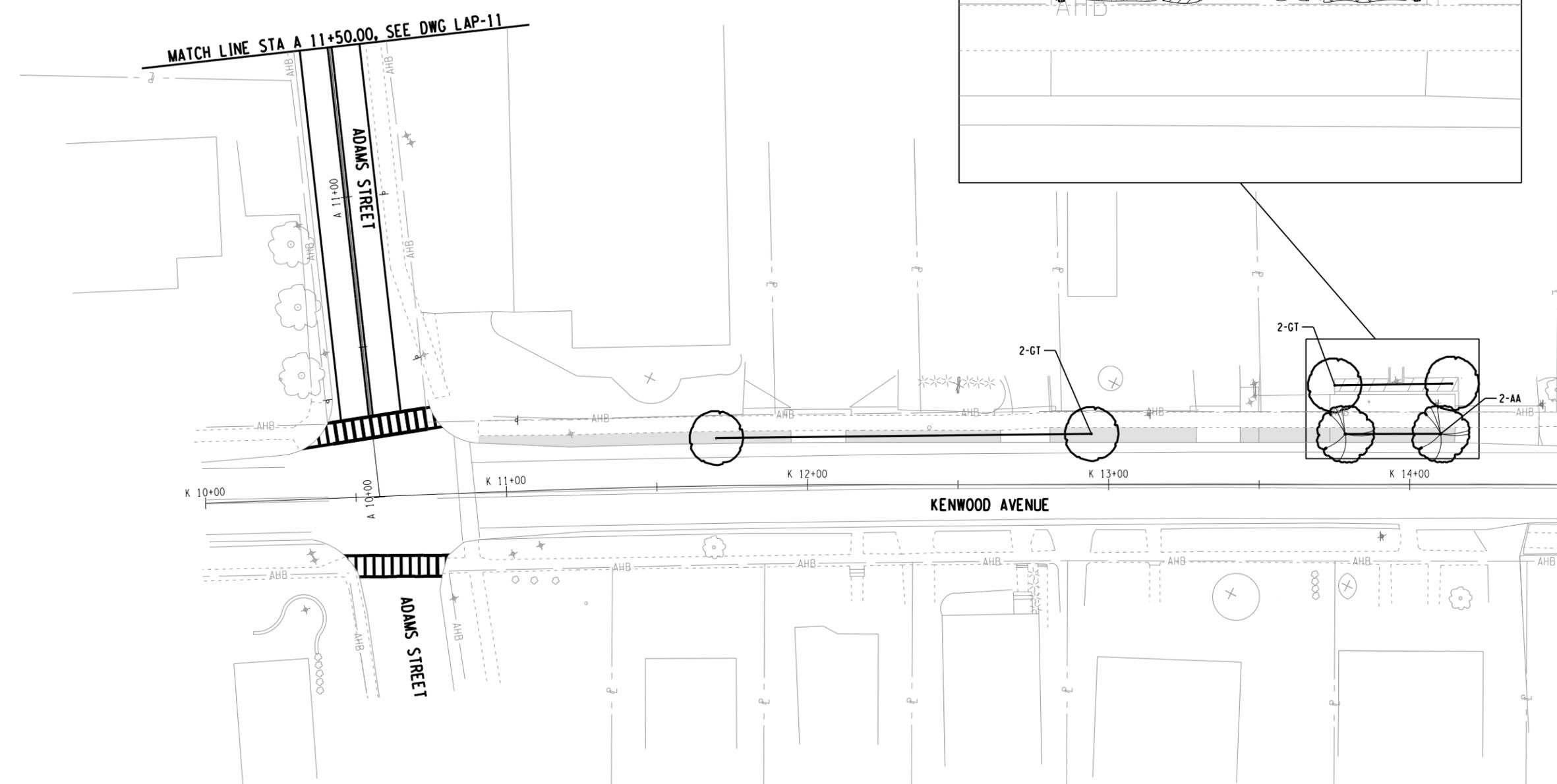
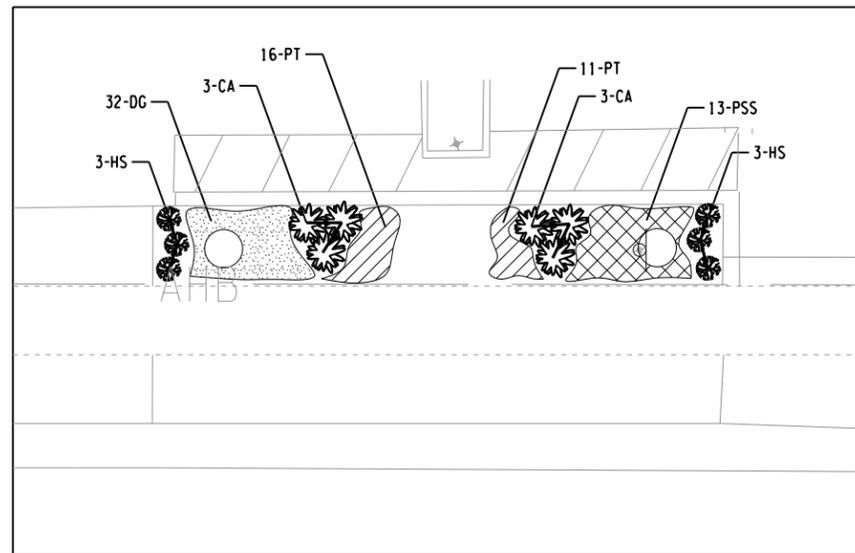
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DATE/TIME = 2/21/2017
USER = 4066

AREA G

SHRUB/PERENNIAL PLANTING SCHEDULE

KEY	COUNT	BOTANICAL-NAME	COMMON NAME	SIZE	CONDITION	ITEM NO	COMMENTS
CA	6	CALAMAGROSTIS x ACUTIFLORA 'KARL FOERSTER'	FEATHER REED GRASS	*3	CONT	611.0611, 610.19	
DG	32	DIANTHUS GRATIANOPOLITANUS 'FIREWITCH'	DIANTHUS	*1	CONT	611.0711, 610.19	MAGENTA BLOOM
HS	6	HYPERICUM 'SUNGOLD'	SUNGOLD SHRUBBY ST. JOHN'S WORT	*3	CONT	611.0412, 610.19	
PSS	13	PHLOX SUBULATA 'SCARLET FLAME'	CREEPING PHLOX	*1	CONT	611.0711, 610.19	RED BLOOM
PT	27	POTENTILLA TRIDENTATA	THREE-TOOTHED CINQUEFOIL	*1	CONT	611.0412, 610.19	WHITE BLOOM

DETAIL PLANTING AREA G



MATCH LINE STA K 14+50.00, SEE DWG LAP-2

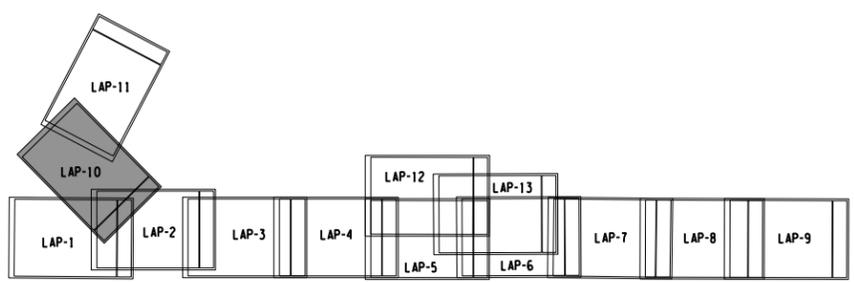


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No.	Submission / Revision	Appd.	Date

PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
 TOWN OF BETHLEHEM, ALBANY COUNTY, NY

LANDSCAPE PLAN



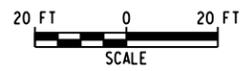
KEY PLAN
NTS

LEGEND

- GRASS MAINTENANCE STRIP
4"-ITEM 610.1403 & ITEM 610.1602
- RED BRICK IMPRINT MAINTENANCE STRIP
4"-ITEM 608.01020005 & 6"-ITEM 304.12

NOTE:

1. SEE TREE PLANTING SCHEDULE, DWG LAP-1.
2. A QUANTITY OF VARIOUS PLANTING ITEMS IS INCLUDED IN THE CONTRACT FOR MISCELLANEOUS PLANTING LOCATIONS THROUGHOUT THE PROJECT LIMITS. THE LOCATIONS OF THESE MISCELLANEOUS PLANTINGS SHALL BE DETERMINED BY THE TOWN PLANNER. SEE TABLE, DWG LAP-1.



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 DATE/TIME = 2/21/2017
 USER = 4066

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	LAP-10
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 72



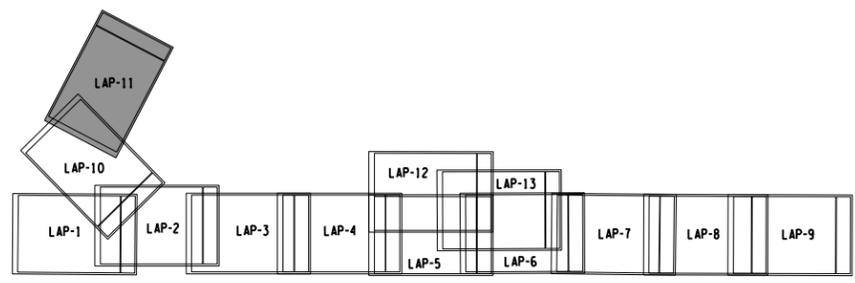
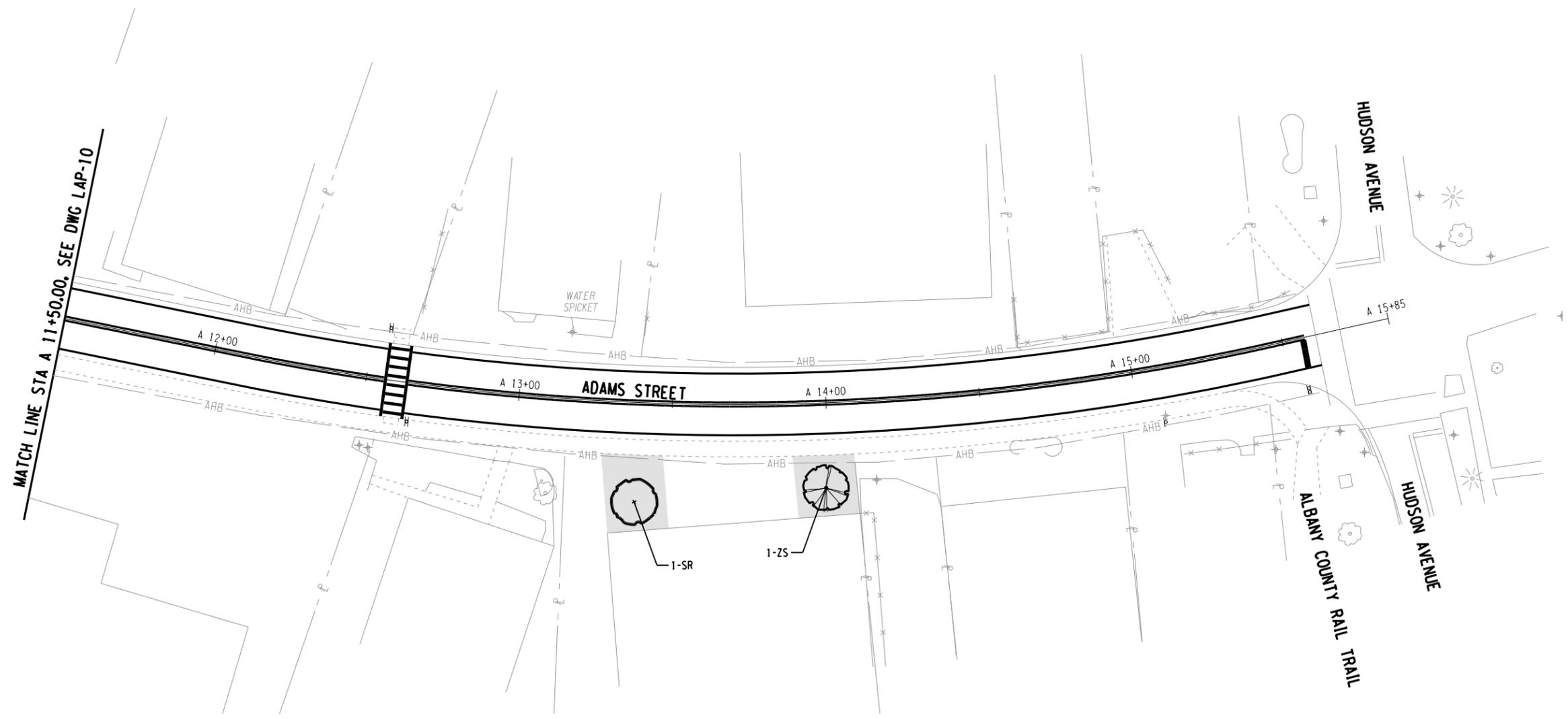
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PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

LANDSCAPE PLAN

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	LAP-11
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 73



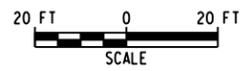
KEY PLAN
NTS

LEGEND

- GRASS MAINTENANCE STRIP
4"-ITEM 610.1403 & ITEM 610.1602
- RED BRICK IMPRINT MAINTENANCE STRIP
4"-ITEM 608.01020005 & 6"-ITEM 304.12

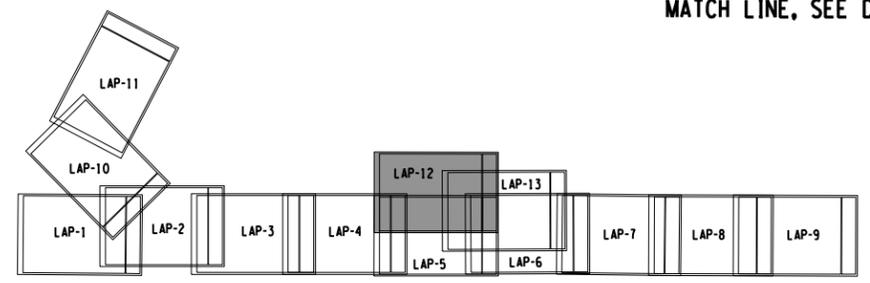
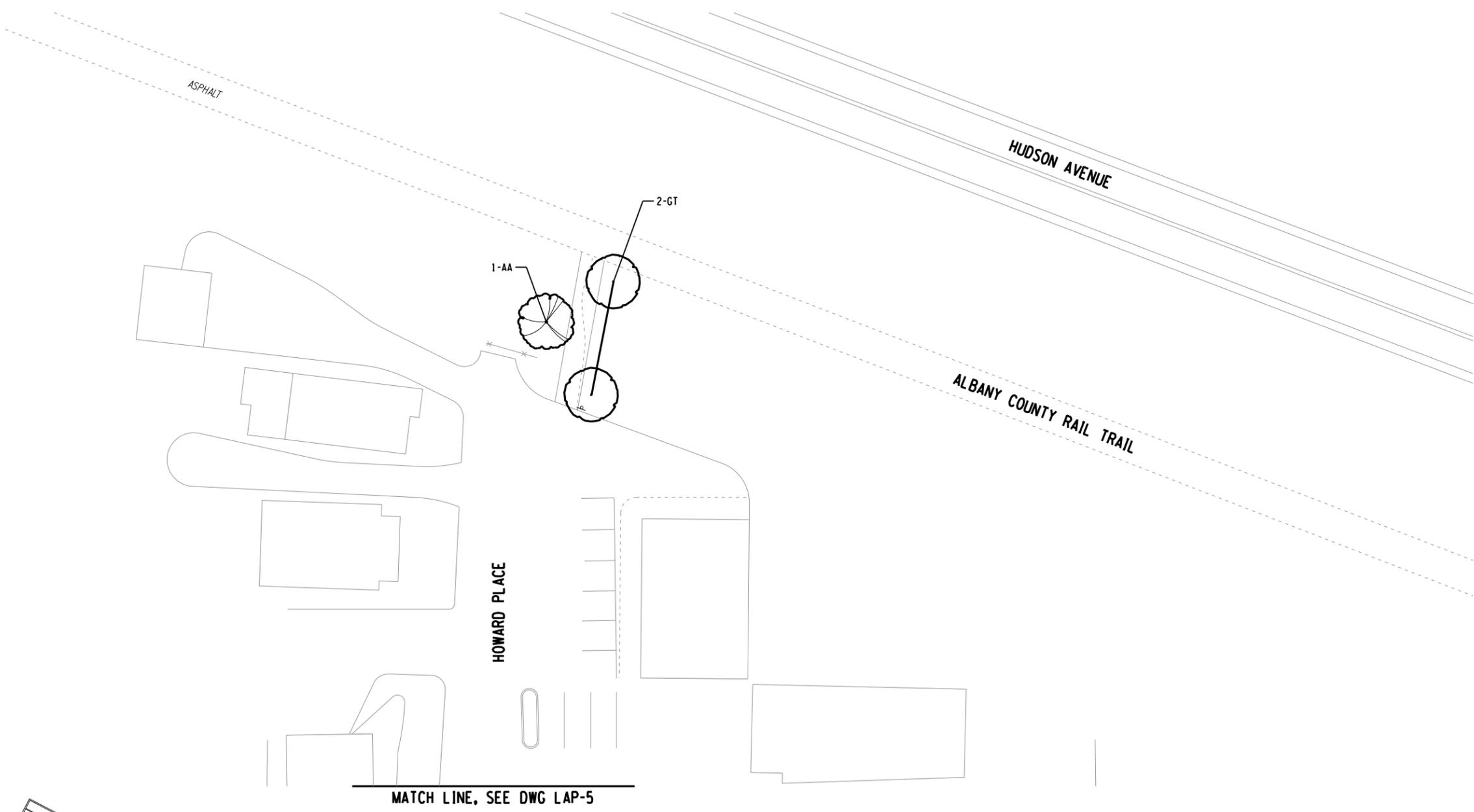
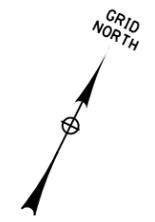
NOTE:

1. SEE TREE PLANTING SCHEDULE, DWG LAP-1.
2. A QUANTITY OF VARIOUS PLANTING ITEMS IS INCLUDED IN THE CONTRACT FOR MISCELLANEOUS PLANTING LOCATIONS THROUGHOUT THE PROJECT LIMITS. THE LOCATIONS OF THESE MISCELLANEOUS PLANTINGS SHALL BE DETERMINED BY THE TOWN PLANNER. SEE TABLE, DWG LAP-1.



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USER = 4066

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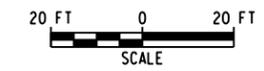
KEY PLAN
NTS

LEGEND

- GRASS MAINTENANCE STRIP
4"-ITEM 610.1403 & ITEM 610.1602
- RED BRICK IMPRINT MAINTENANCE STRIP
4"-ITEM 608.01020005 & 6"-ITEM 304.12

NOTE:

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2. A QUANTITY OF VARIOUS PLANTING ITEMS IS INCLUDED IN THE CONTRACT FOR MISCELLANEOUS PLANTING LOCATIONS THROUGHOUT THE PROJECT LIMITS. THE LOCATIONS OF THESE MISCELLANEOUS PLANTINGS SHALL BE DETERMINED BY THE TOWN PLANNER. SEE TABLE, DWG LAP-1.



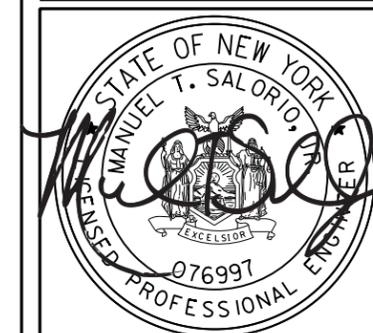
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PIN 1759.68
**DELAWARE AVENUE HAMLET
 MULTI-MODAL STREETScape
 ENHANCEMENTS**
 TOWN OF BETHLEHEM,
 ALBANY COUNTY, NY

LANDSCAPE PLAN

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	LAP-12
Checked By: MTS	Plot Date: 2/21/2017	SHEET 74



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No.	Submittal / Revision	Appd.	Date

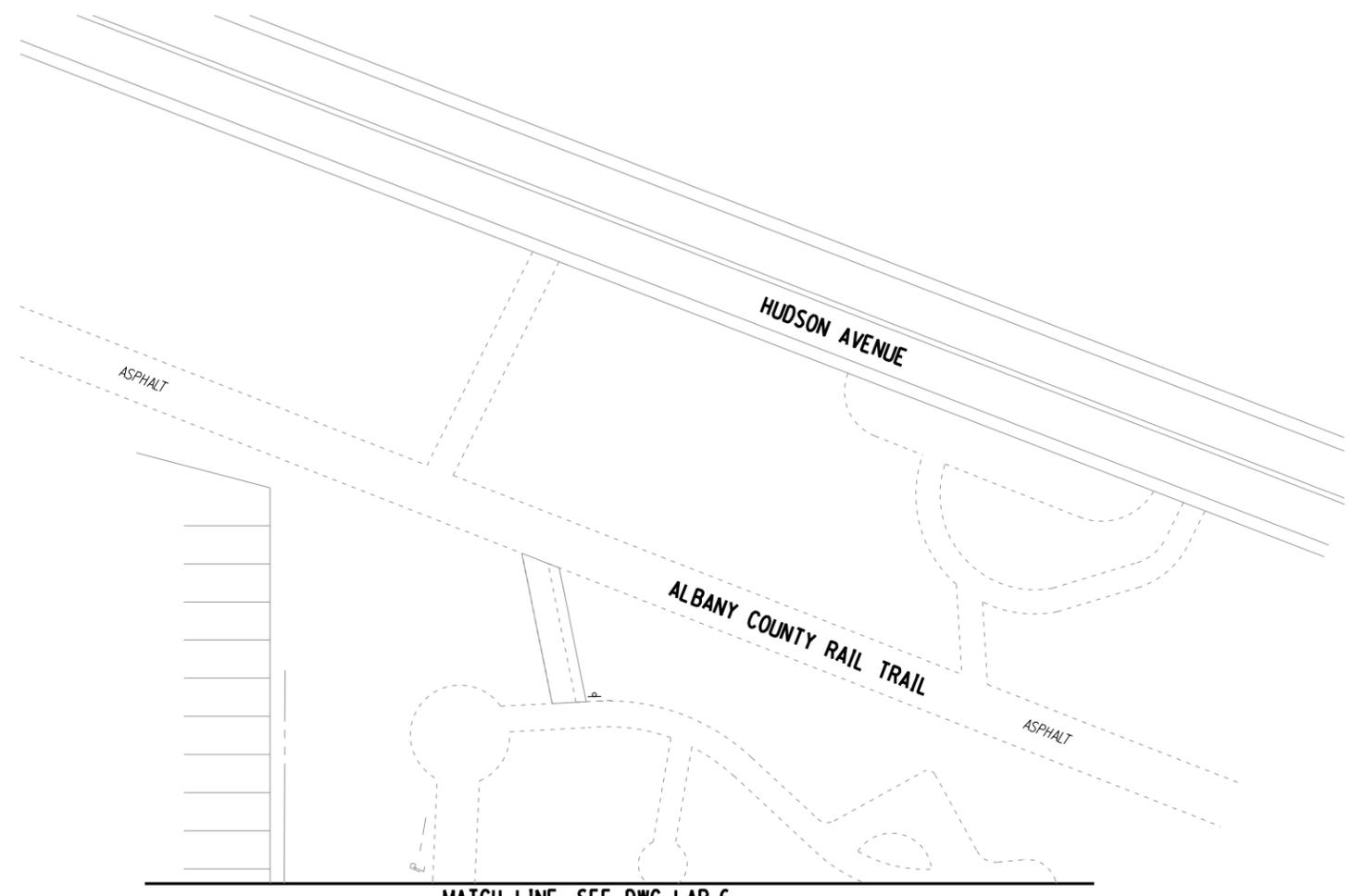
PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETSCAPE
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

LANDSCAPE PLAN

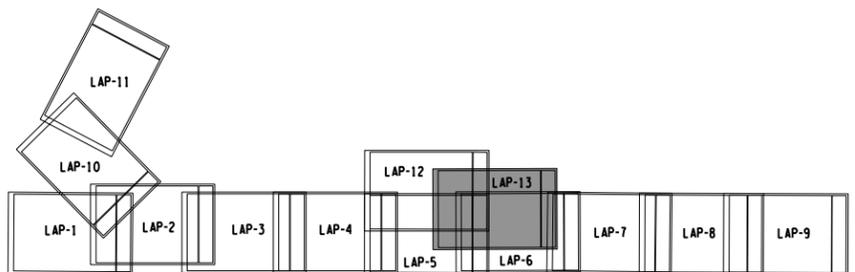
Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	LAP-13
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 75



NO PLANTINGS THIS SHEET



MATCH LINE, SEE DWG LAP-6



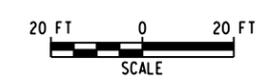
KEY PLAN
NTS

LEGEND

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4"-ITEM 610.1403 & ITEM 610.1602
- RED BRICK IMPRINT MAINTENANCE STRIP
4"-ITEM 608.01020005 & 6"-ITEM 304.12

NOTE:

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2. A QUANTITY OF VARIOUS PLANTING ITEMS IS INCLUDED IN THE CONTRACT FOR MISCELLANEOUS PLANTING LOCATIONS THROUGHOUT THE PROJECT LIMITS. THE LOCATIONS OF THESE MISCELLANEOUS PLANTINGS SHALL BE DETERMINED BY THE TOWN PLANNER. SEE TABLE, DWG LAP-1.



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DATE/TIME = 2/21/2017
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PIN 1759.68
**DELAWARE AVENUE HAMLET
 MULTI-MODAL STREETScape
 ENHANCEMENTS**
 TOWN OF BETHLEHEM,
 ALBANY COUNTY, NY

SIGN DATA SHEET

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: TJB	Scale: AS SHOWN	SDS-1
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 76

DESIGNATION & COLOR (SEE NOTE 2)	LOCATION	TEXT	ITEM	SIZE	PAYMENT AREA (SEE NOTE 3)
				AREA (SEE NOTE 3)	TOTAL PAYMENT AREA
W11-2	1-1, 1-3, 1-4, 1-5, 3-1, 3-8, 4-1, 4-3, 4-7, 4-9, 11-1, 11-3		645.5202	30x30	6.25 SF
				6.25 SF	150.0 SF
W16-7PL	1-1, 1-3, 1-4, 1-5, 3-1, 3-8, 4-1, 4-3, 4-7, 4-9, 11-1, 11-3		645.5202	24x12	2.0 SF
				2.0 SF	24.0 SF
W16-7PR	1-1, 1-3, 1-4, 1-5, 3-1, 3-8, 4-1, 4-3, 4-7, 4-9, 11-1, 11-3		645.5202	24x12	2.0 SF
				2.0 SF	24.0 SF
D3-1	1-2, 1-6, 11-2	Adams st	645.5101	36x12	3.0 SF
				3.0 SF	18.0 SF
D3-1	1-2, 1-6, 2-9, 4-8, 5-6, 7-1, 8-2	Delaware Ave	645.5101	36x8	2.0 SF
				2.0 SF	28.0 SF
D3-1	5-14, 9-1	Delaware Ave	645.5102	36x8	2.0 SF
				2.0 SF	8.0 SF
D3-1	2-4, 2-13	Delaware Ave	645.5102	54x12	4.5 SF
				4.5 SF	18.0 SF
D3-1	2-4, 2-13	Kenwood Ave	645.5102	54x12	4.5 SF
				4.5 SF	18.0 SF
W11-1	2-12, 3-4, 8-1, 9-3, 10-2		645.5202	30x30	6.25 SF
				6.25 SF	31.3 SF
NYWS-32P	2-12, 3-4, 8-1, 9-3, 10-2	IN LANE	645.5202	24x18	3.0 SF
				3.0 SF	15.0 SF
D3-1	2-9	Grove st	645.5101	36x12	3.0 SF
				3.0 SF	6.0 SF

DESIGNATION & COLOR (SEE NOTE 2)	LOCATION	TEXT	ITEM	SIZE	PAYMENT AREA (SEE NOTE 3)
				AREA (SEE NOTE 3)	TOTAL PAYMENT AREA
D3-1	2-11	Paddock PI	645.5102	42x12	3.5 SF
				3.5 SF	7.0 SF
NYP1-7L	2-1, 2-14		645.5101	12x18	1.5 SF
				1.5 SF	3.0 SF
R7-8R	3-3		645.5101	12x18	1.5 SF
				1.5 SF	1.5 SF
R7-8L	3-2		645.5101	12x18	1.5 SF
				1.5 SF	1.5 SF
D3-1	4-8	Becker Terr	645.5102	42x12	3.5 SF
				3.5 SF	7.0 SF
D3-1	5-6	Oakwood PI	645.5102	42x12	3.5 SF
				3.5 SF	7.0 SF
D3-1	5-14	Howard PI	645.5102	36x12	3.0 SF
				3.0 SF	6.0 SF
D3-1	7-1, 11-2	Hudson Ave	645.5102	42x12	3.5 SF
				3.5 SF	14.0 SF
D3-1	8-2	Rural PI	645.5101	30x12	2.5 SF
				2.5 SF	5.0 SF
D3-1	9-1	Groesbeck PI	645.5102	48x12	4.0 SF
				4.0 SF	8.0 SF
M3-2 (WHITE)	2-7	EAST	645.5102	24x12	2.0 SF
				2.0 SF	2.0 SF

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 USER = 4066

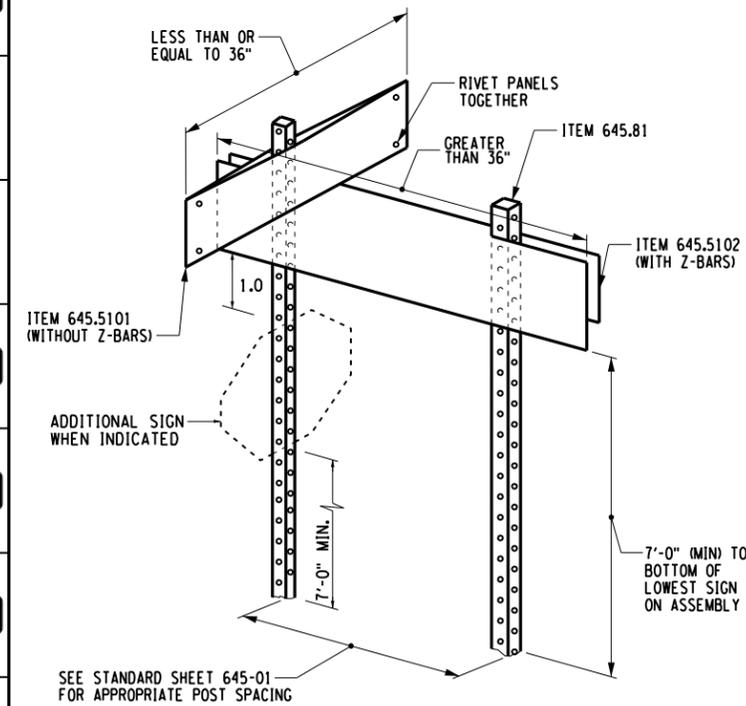
NOTE: SEE SDS-2 FOR SIGNING NOTES.

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 USER = 4066

DESIGNATION & COLOR (SEE NOTE 2)	LOCATION	TEXT	ITEM	SIZE	PAYMENT AREA (SEE NOTE 3)
				AREA (SEE NOTE 3)	TOTAL PAYMENT AREA
M3-4 (WHITE)	2-5, 2-15, 9-2	WEST	645.5102	24x12	2.0 SF
				2.0 SF	6.0 SF
NYM3-2 (WHITE)	2-5, 2-7, 2-15 9-2, 10-1	443	645.5102	30x24	5.0 SF
				5.0 SF	25.0 SF
NYP1-7R	2-3	NO STOPPING ANY TIME	645.5101	12x18	1.5 SF
				1.5 SF	3.0 SF
NYP1-7	2-2	NO STOPPING ANY TIME	645.5101	12x18	1.5 SF
				1.5 SF	1.5 SF
NYM3-2 (WHITE)	2-5, 2-8	140	645.5102	30x24	5.0 SF
				5.0 SF	10.0 SF
M6-3 (WHITE)	2-5	↑	645.5102	21x15	2.2 SF
				2.2 SF	2.2 SF
M6-4 (WHITE)	2-5	↔	645.5102	21x15	2.2 SF
				2.2 SF	2.2 SF
M2-1 (WHITE)	2-8, 10-1	JCT	645.5102	21x15	2.2 SF
				2.2 SF	4.4 SF
ALBANY COUNTY	12-1, 13-1		645.5102	30x24	5.0 SF
				5.0 SF	10.0 SF
R5-3	12-1, 13-1	NO MOTOR VEHICLES	645.5102	24x24	4.0 SF
				4.0 SF	8.0 SF
R3-9b	8-3, 9-4	CENTER LANE ONLY	645.5102	24x36	6.0 SF
				6.0 SF	12.0 SF

SIGNS TO BE REMOVED - DELAWARE AVENUE			
LOCATION	ITEM NUMBER	QUANTITY	TEXT
D 10+92 D 11+19 D 17+18 D 18+95 D 24+29 D 30+80 D 32+52 D 45+01 D 50+71	647.41	18	DELAWARE AVE
D 10+92 D 11+20	647.41	4	ADAMS ST
D 13+53 D 19+88	647.41	2	NO STOPPING ANY TIME
D 16+89	647.41	2	PADDOCK PL
D 17+18	647.41	2	KENWOOD AVE
D 18+95	647.41	2	GROVE ST
D 18+95	647.41	1	NO STOPPING ANY TIME
D 19+93 D 20+67	647.41	2	STATE LAW YIELD TO PEDESTRIAN IN CROSSWALK
D 24+29	647.41	2	BECKER TER
D 30+80	647.41	2	HOWARD PL
D 32+52	647.41	2	OAKWOOD PL
D 37+26	647.41	1	ELSMERE

SIGNS TO BE REMOVED - DELAWARE AVENUE			
LOCATION	ITEM NUMBER	QUANTITY	TEXT
D 43+78	647.41	1	
D 45+01	647.41	2	RURAL PL
D 49+97	647.41	1	443
D 50+68	647.41	2	GROESBECK PL
A 15+62	647.41	2	ADAMS ST
A 15+62	647.41	2	HUDSON AVE



- SIGNING NOTES:**
- SIGN LOCATIONS AS SHOWN ON PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL INSTALL NEW SIGNS AND RELOCATE EXISTING SIGNS IN ACCORDANCE WITH THE MUTCD AND NYS SUPPLEMENT.
 - THE COLOR IS ONLY SHOWN WHEN THERE IS AN OPTION THAT MUST BE SPECIFIED.
 - THE AREA AND PAYMENT AREA FOR SIGNS ARE FROM THE APPLICABLE STANDARD SHEETS OR SIGN FACE LAYOUTS.

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 Albany, NY 12205-0269
 518.453.4500 - www.chacompanies.com

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 MULTI-MODAL STREETScape
 ENHANCEMENTS**
 TOWN OF BETHLEHEM,
 ALBANY COUNTY, NY

SIGN DATA SHEET

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: TJB	Scale: AS SHOWN	SDS-2
Checked By: MTS	Plot Date: 2/21/2017	

SHEET 77



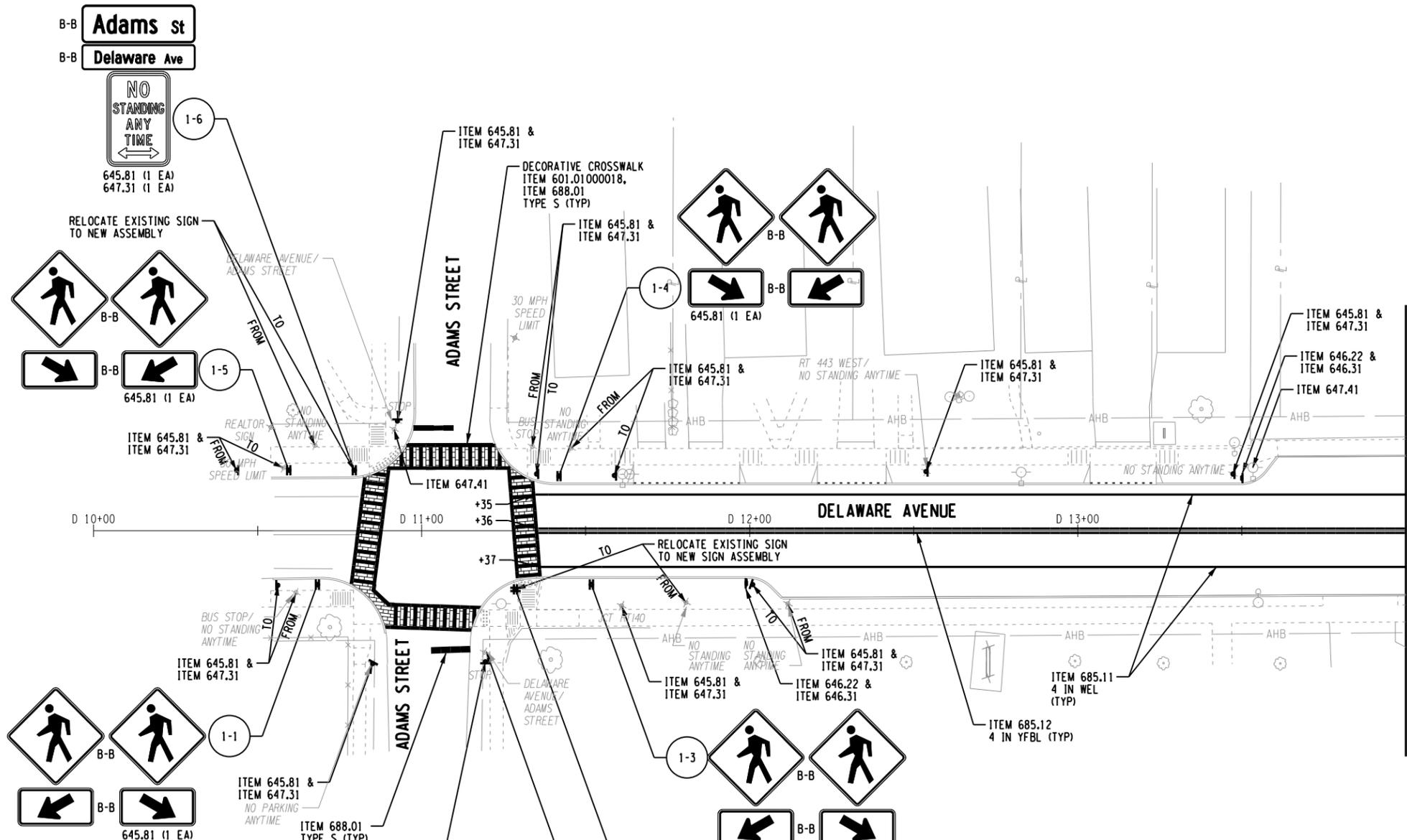
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

No.	Submission / Revision	Appd.	Date

PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
 TOWN OF BETHLEHEM, ALBANY COUNTY, NY

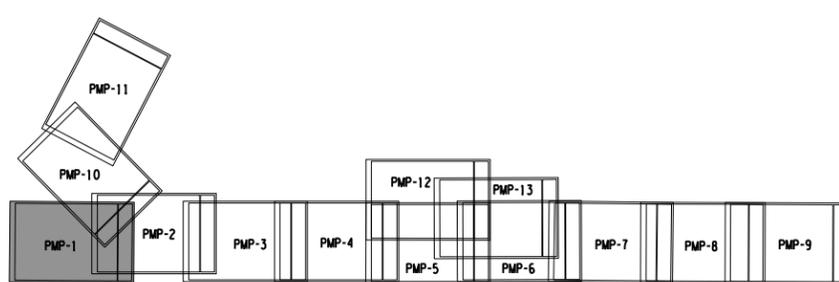
PAVEMENT MARKING PLAN

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: TJB	Scale: AS SHOWN	PMP-1
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 78



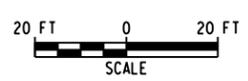
MATCH LINE STA D 14+00.00, SEE DWG PMP-2

PAVEMENT MARKING KEY		
DESIGNATION	ITEM NO	DESCRIPTION
WEL	685.11	WHITE EDGE LINE
WBL	685.11	WHITE BROKEN LINE
WHL-A	685.11	WHITE HATCH LINE - TYPE A
WDEL	685.11	WHITE DASHED EDGE LINE
WLL	685.11	WHITE LANE LINE
YFBL	685.12	YELLOW FULL BARRIER LINE
YHL-C	685.12	YELLOW HATCH LINE - TYPE C
YPBL	685.12	YELLOW PARTIAL BARRIER LINE
LS	688.01	LADDER STRIPE
S	688.01	STOP BAR
L	688.03	WHITE PREFORMED TAPE LETTERS
SY	688.04	WHITE PREFORMED TAPE SYMBOLS
WYLM	688.04020005	WHITE YIELD LINE MARKING



KEY PLAN
NTS

B-B SIGNS MOUNTED BACK TO BACK



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 DATE/TIME = 2/21/2017
 USER = 4066



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

No.	Submittal / Revision	Appd.	Date

PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
TOWN OF BETHLEHEM, ALBANY COUNTY, NY

PAVEMENT MARKING PLAN

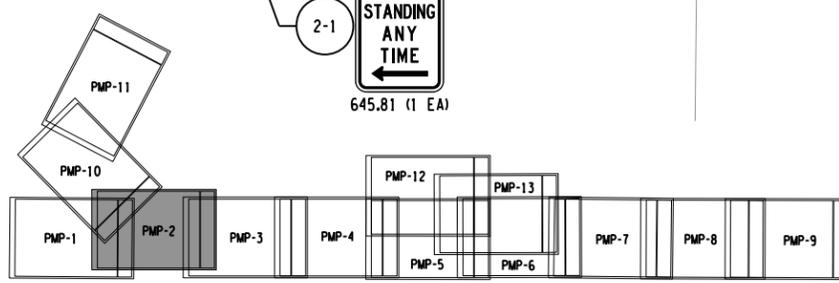
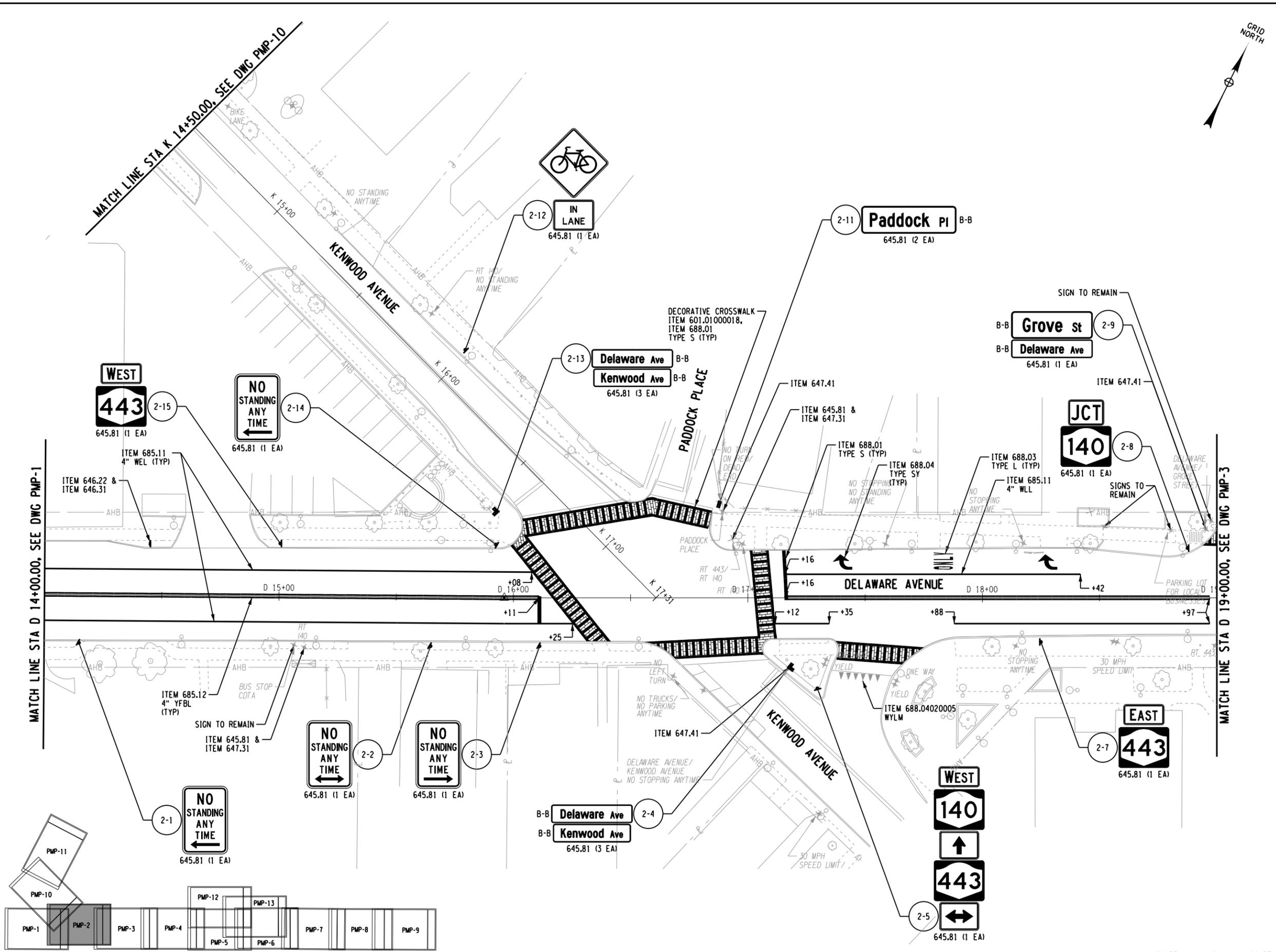
Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: TJB	Scale: AS SHOWN	PMP-2
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 79



MATCH LINE STA K 14+50.00, SEE DWG PMP-10

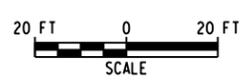
MATCH LINE STA D 14+00.00, SEE DWG PMP-1

MATCH LINE STA D 19+00.00, SEE DWG PMP-3



KEY PLAN
NTS

B-B SIGNS MOUNTED BACK TO BACK



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USER = 4066



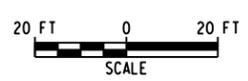
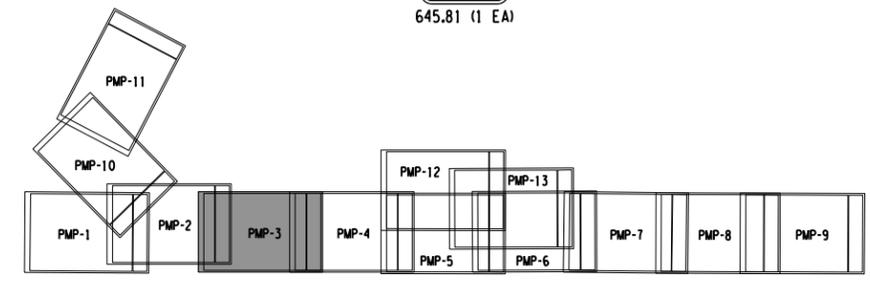
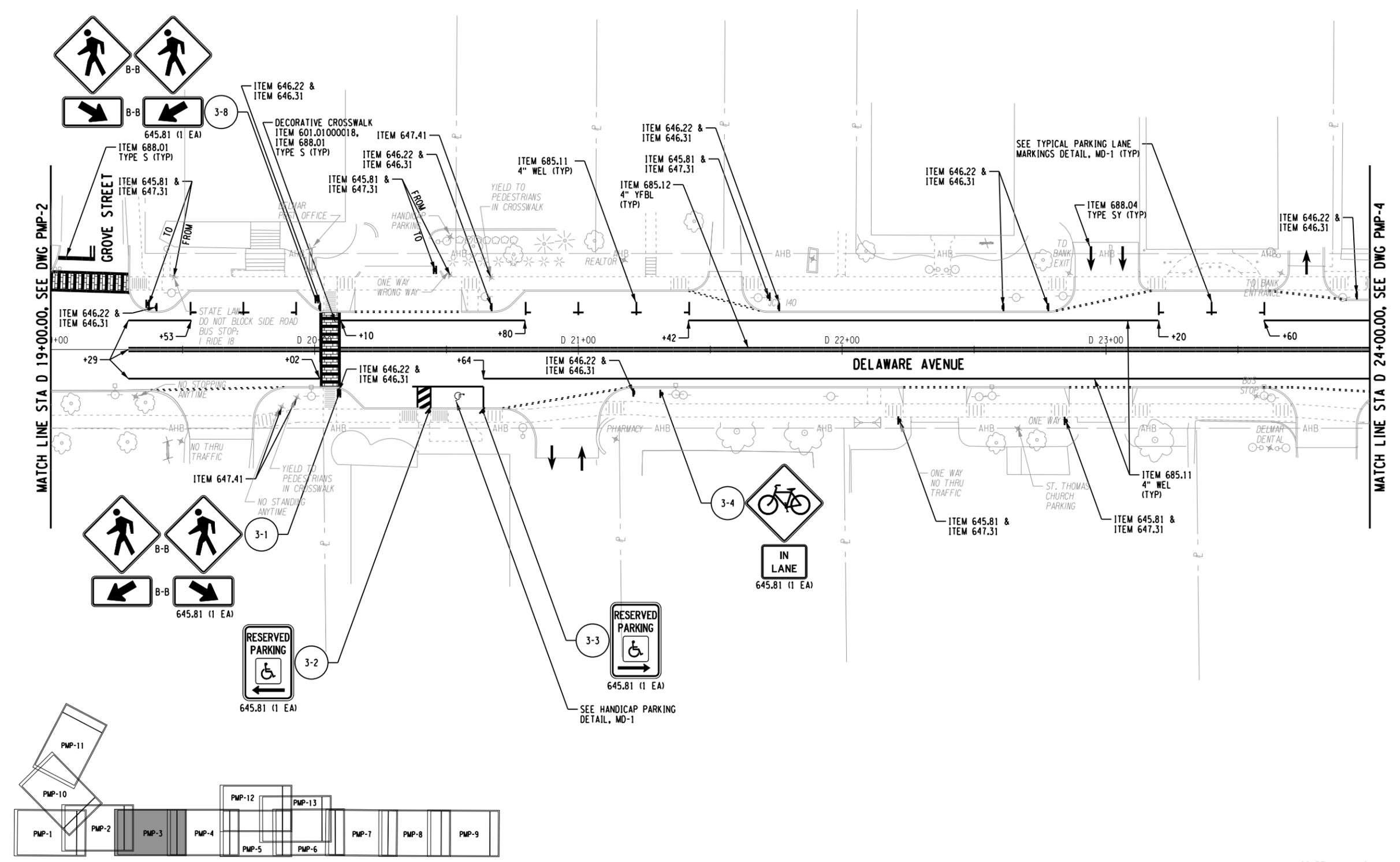
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No.	Submission / Revision	Appd.	Date

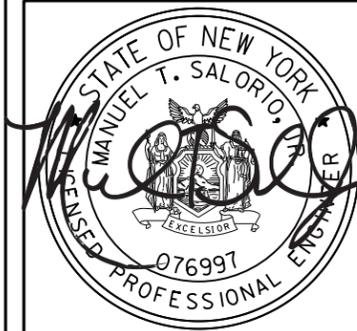
PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

**PAVEMENT MARKING
PLAN**

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: TJB	Scale: AS SHOWN	PMP-3
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 80



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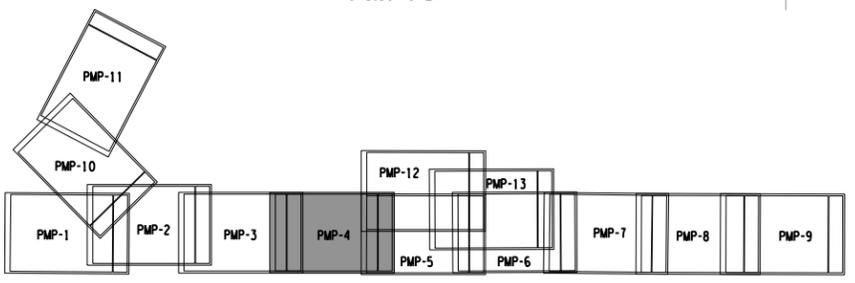
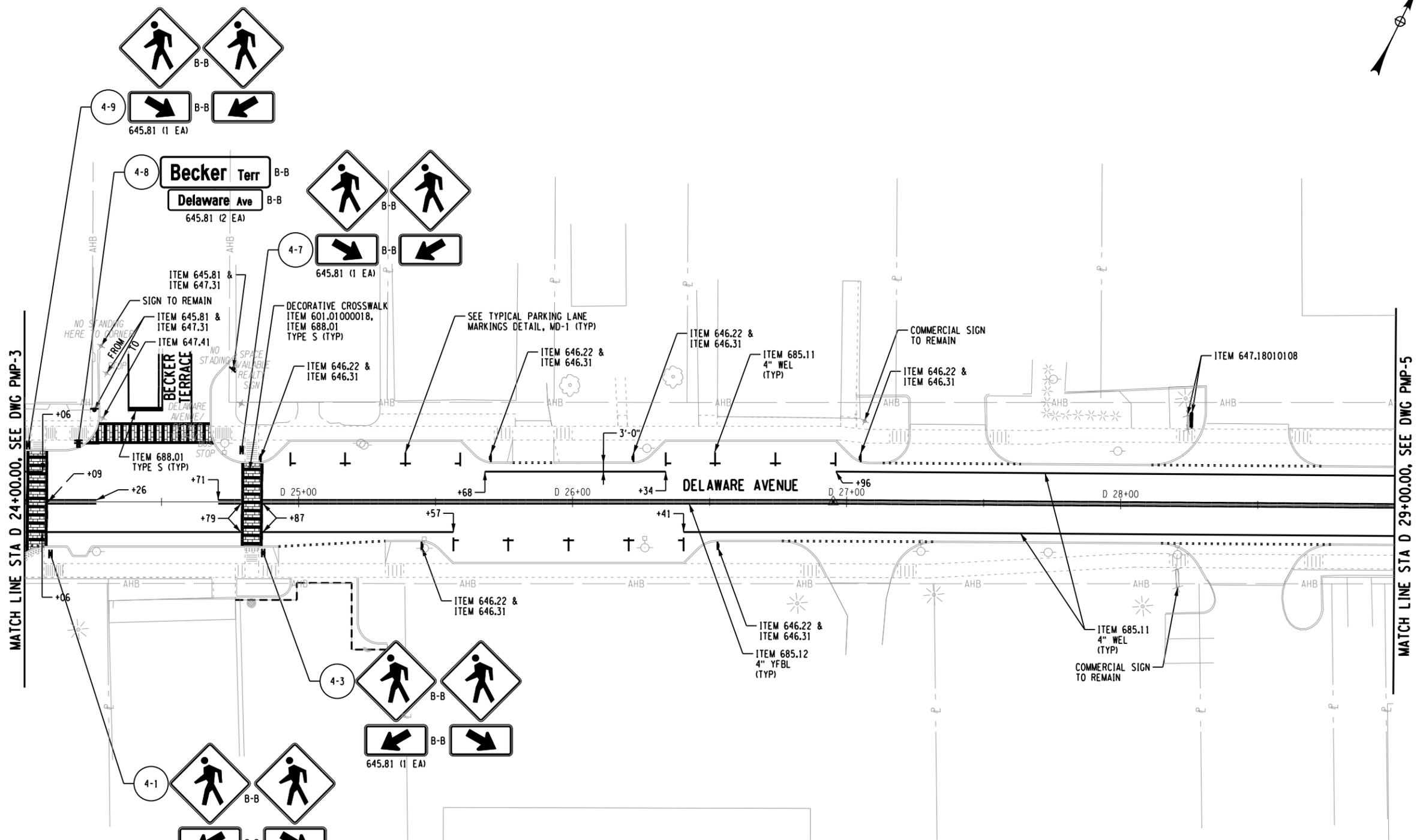
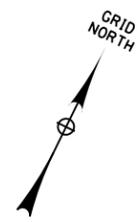
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No.	Submittal / Revision	Appd.	Date

PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

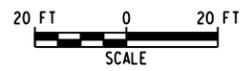
**PAVEMENT MARKING
PLAN**

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: TJB	Scale: AS SHOWN	PMP-4
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 81



KEY PLAN
NTS

B-B SIGNS MOUNTED BACK TO BACK



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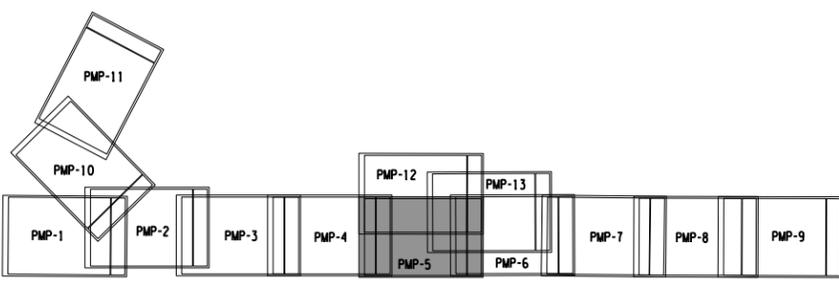
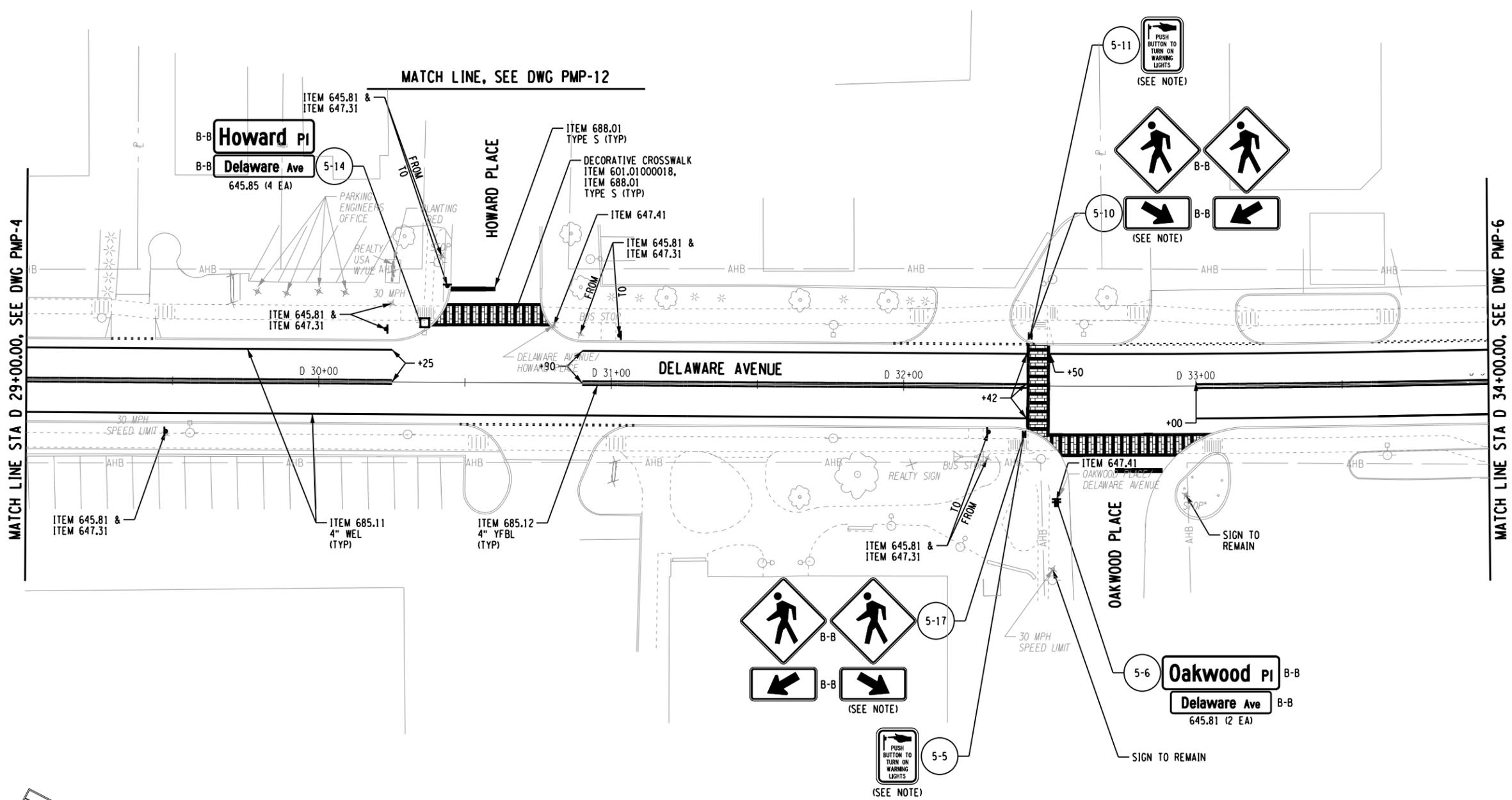
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No.	Submittal / Revision	Appd.	Date

PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

**PAVEMENT MARKING
PLAN**

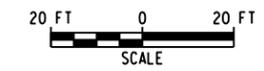
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Drawn By: TJB	Scale: AS SHOWN	PMP-5
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 82



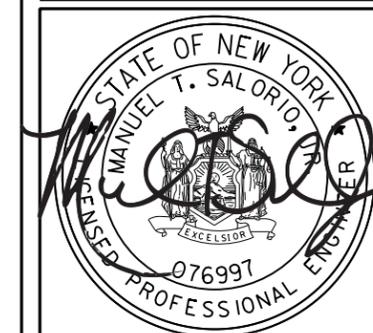
KEY PLAN
NTS

NOTE:
1. SIGNS INCLUDED AS PART OF RECTANGULAR RAPID FLASHING BEACON (IRRFBI) - ITEM 680.82220110

B-B SIGNS MOUNTED BACK TO BACK



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DATE/TIME = 2/21/2017
USER = 4066



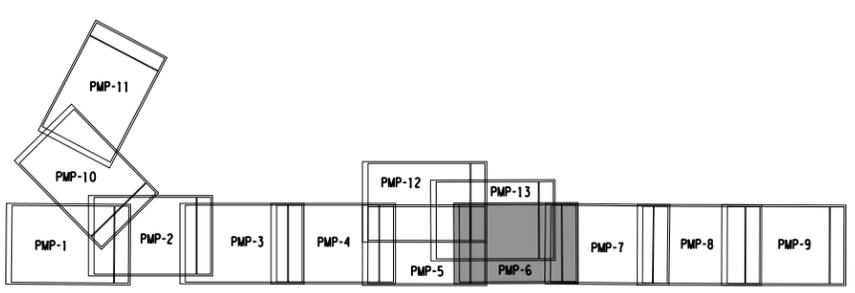
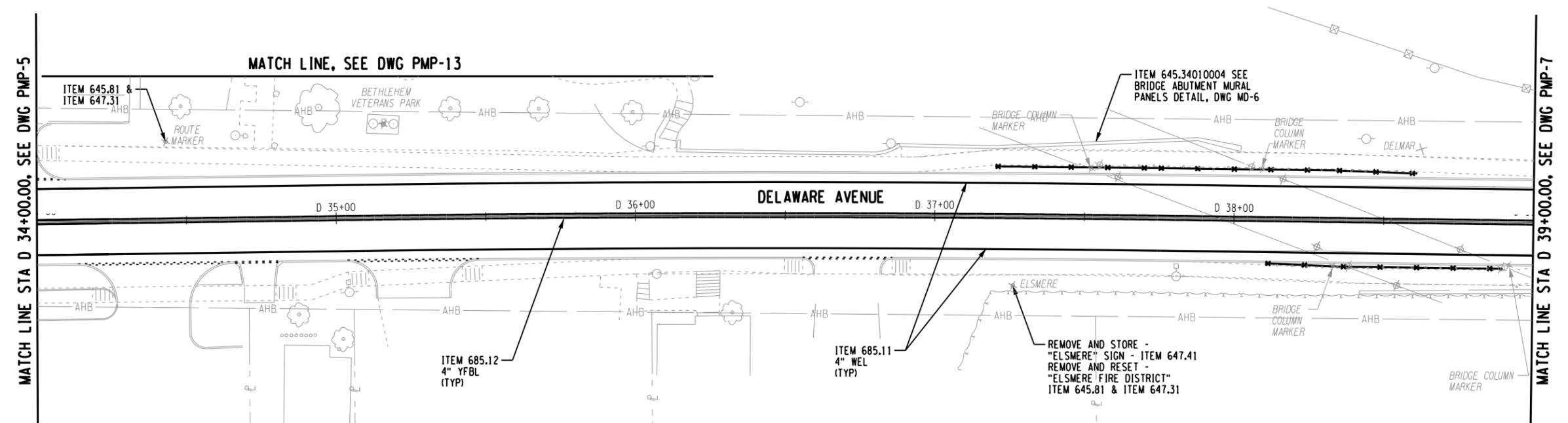
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No.	Submittal / Revision	Appd.	Date

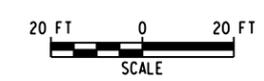
PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

**PAVEMENT MARKING
PLAN**

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: TJB	Scale: AS SHOWN	PMP-6
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 83



KEY PLAN
NTS



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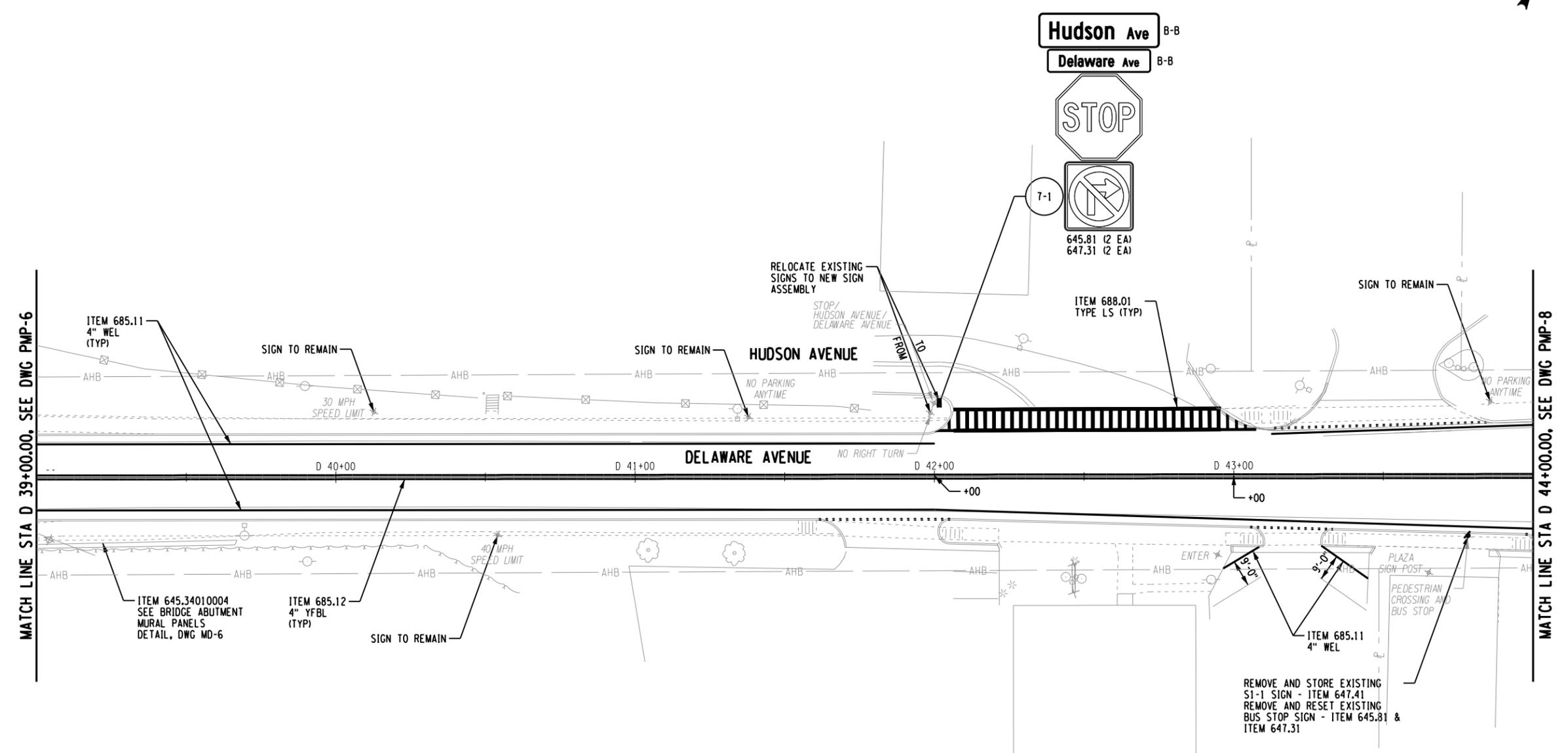
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No.	Submittal / Revision	Appd.	Date

PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

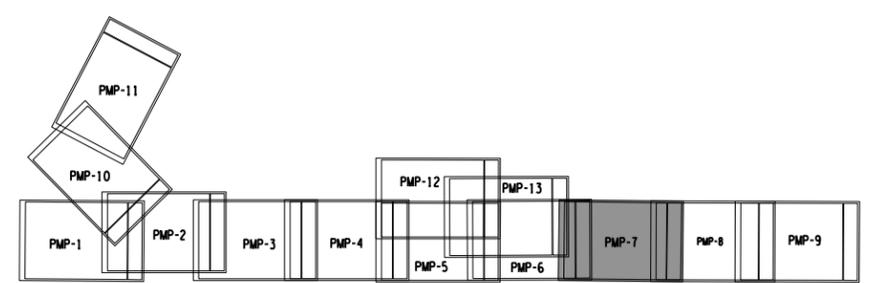
**PAVEMENT MARKING
PLAN**

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: TJB	Scale: AS SHOWN	PMP-7
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 84



MATCH LINE STA D 39+00.00, SEE DWG PMP-6

MATCH LINE STA D 44+00.00, SEE DWG PMP-8



KEY PLAN
NTS

B-B SIGNS MOUNTED BACK TO BACK



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USER = 4066



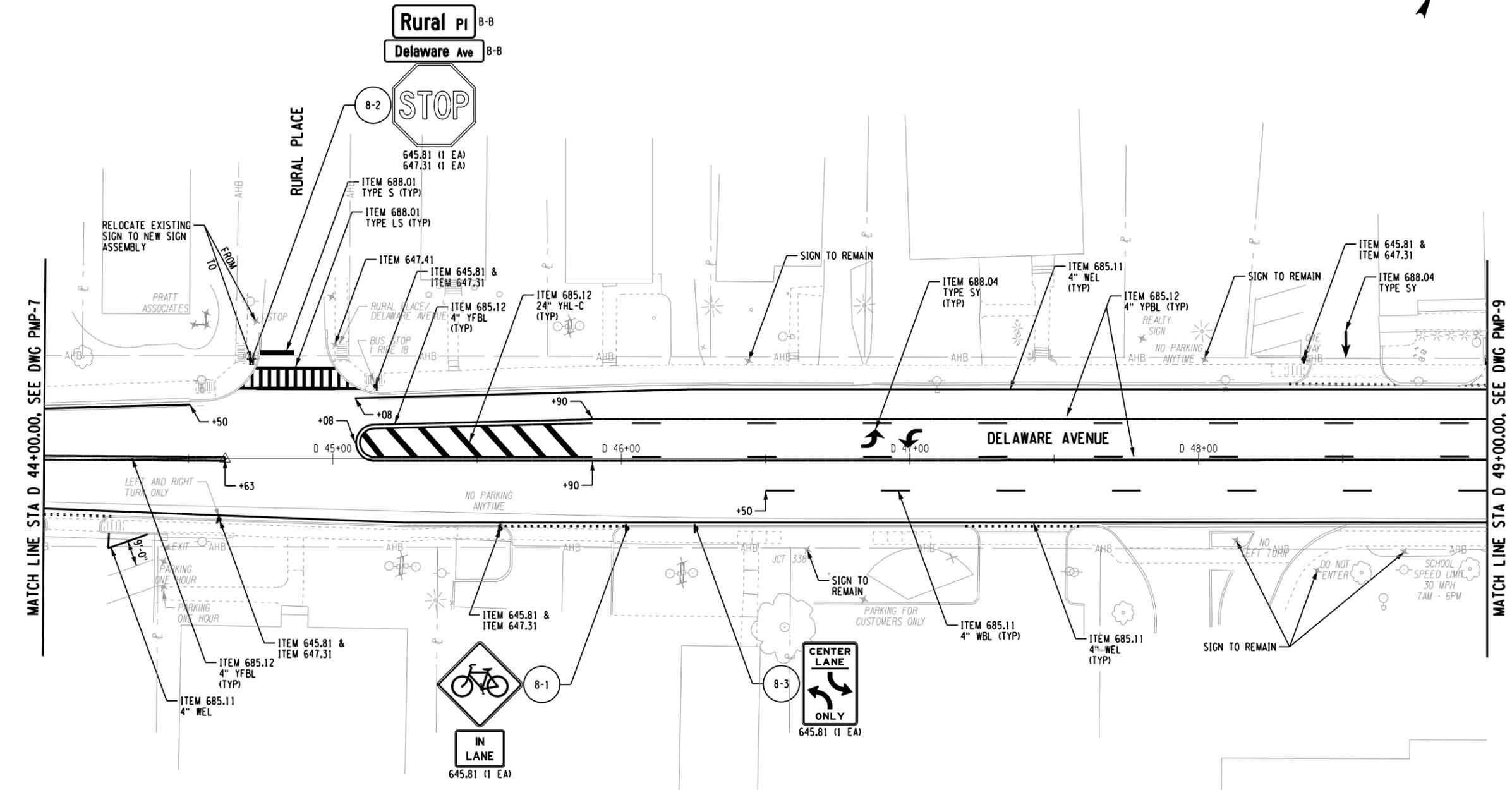
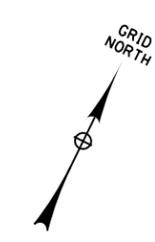
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PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

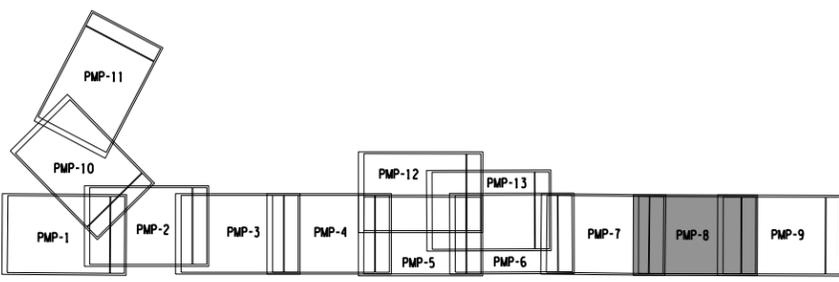
**PAVEMENT MARKING
PLAN**

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: TJB	Scale: AS SHOWN	PMP-8
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 85



MATCH LINE STA D 44+00.00, SEE DWG PMP-7

MATCH LINE STA D 49+00.00, SEE DWG PMP-9

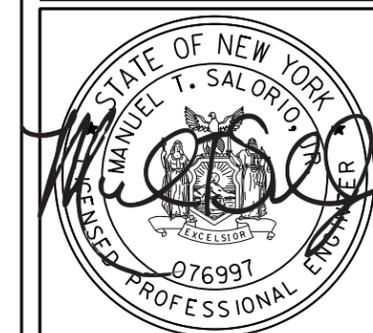


KEY PLAN
NTS

B-B SIGNS MOUNTED BACK TO BACK



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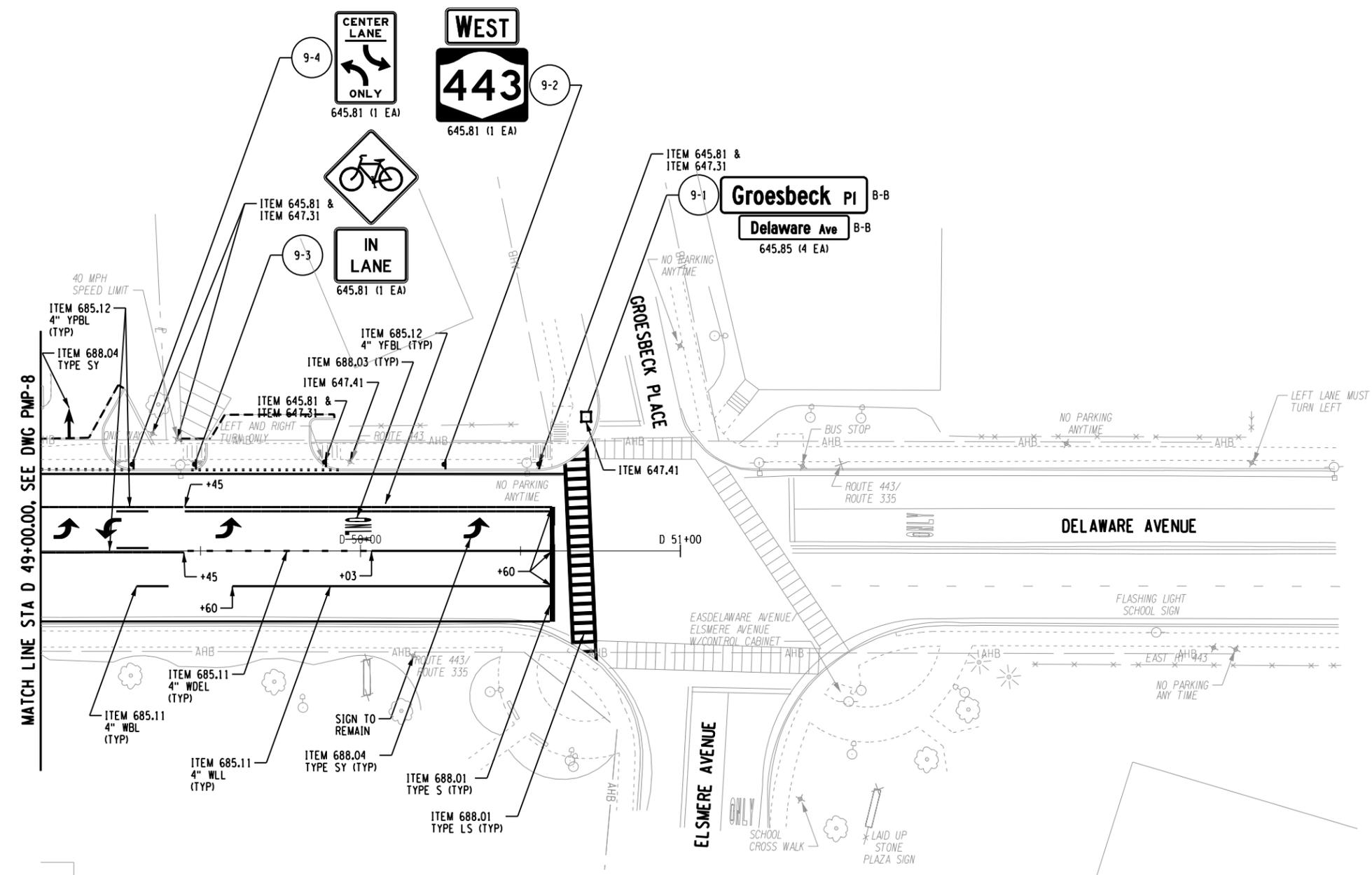
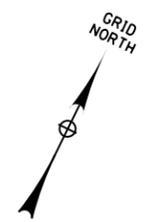
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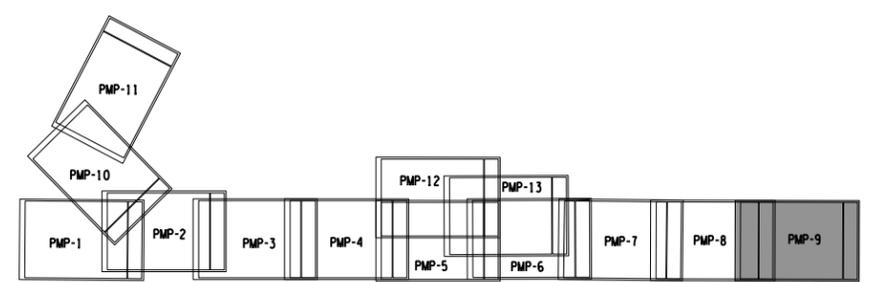
PIN 1759.68
**DELAWARE AVENUE HAMLET
 MULTI-MODAL STREETScape
 ENHANCEMENTS**
 TOWN OF BETHLEHEM,
 ALBANY COUNTY, NY

**PAVEMENT MARKING
 PLAN**

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: TJB	Scale: AS SHOWN	PMP-9
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 86

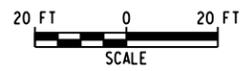


MATCH LINE STA D 49+00.00, SEE DWG PMP-8

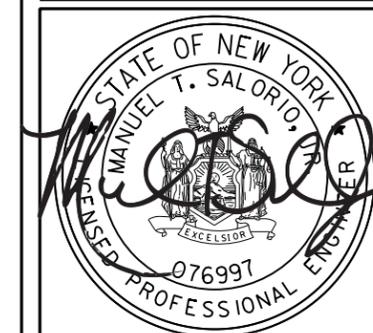


KEY PLAN
 NTS

B-B SIGNS MOUNTED BACK TO BACK



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PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

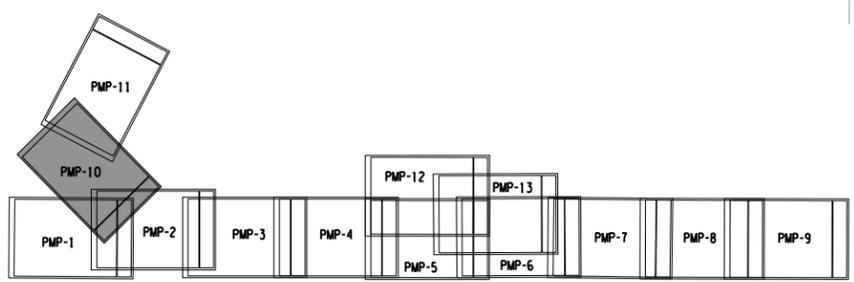
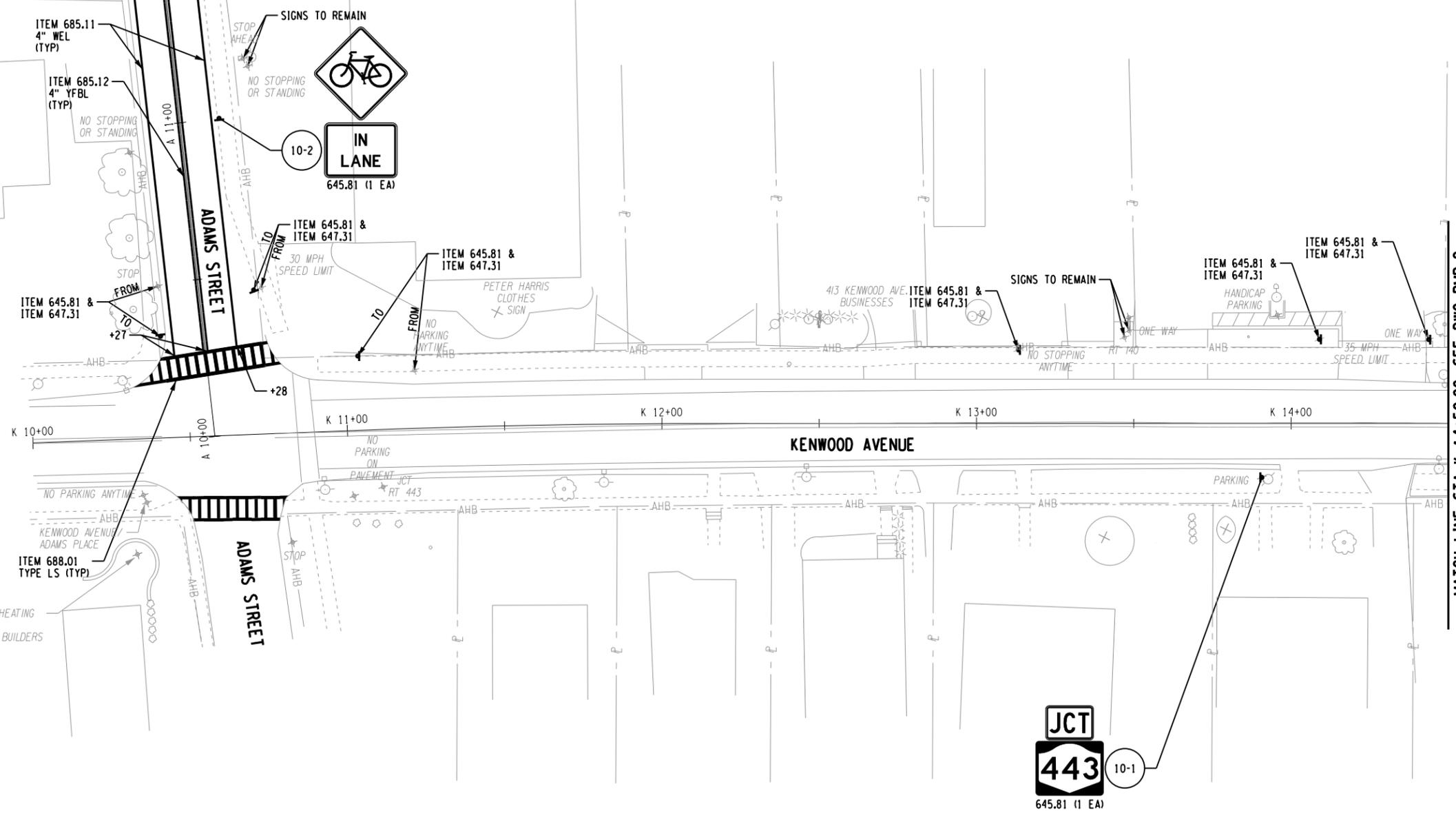
**PAVEMENT MARKING
PLAN**

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: TJB	Scale: AS SHOWN	PMP-10
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 87

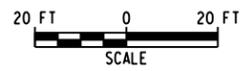


MATCH LINE STA A 11+50.00, SEE DWG PMP-11

MATCH LINE STA K 14+50.00, SEE DWG PMP-2



KEY PLAN
NTS



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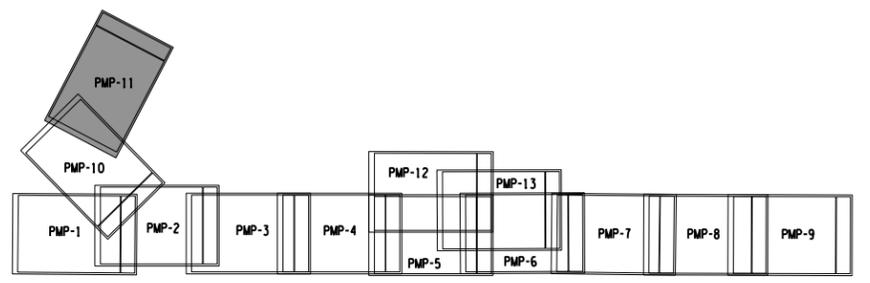
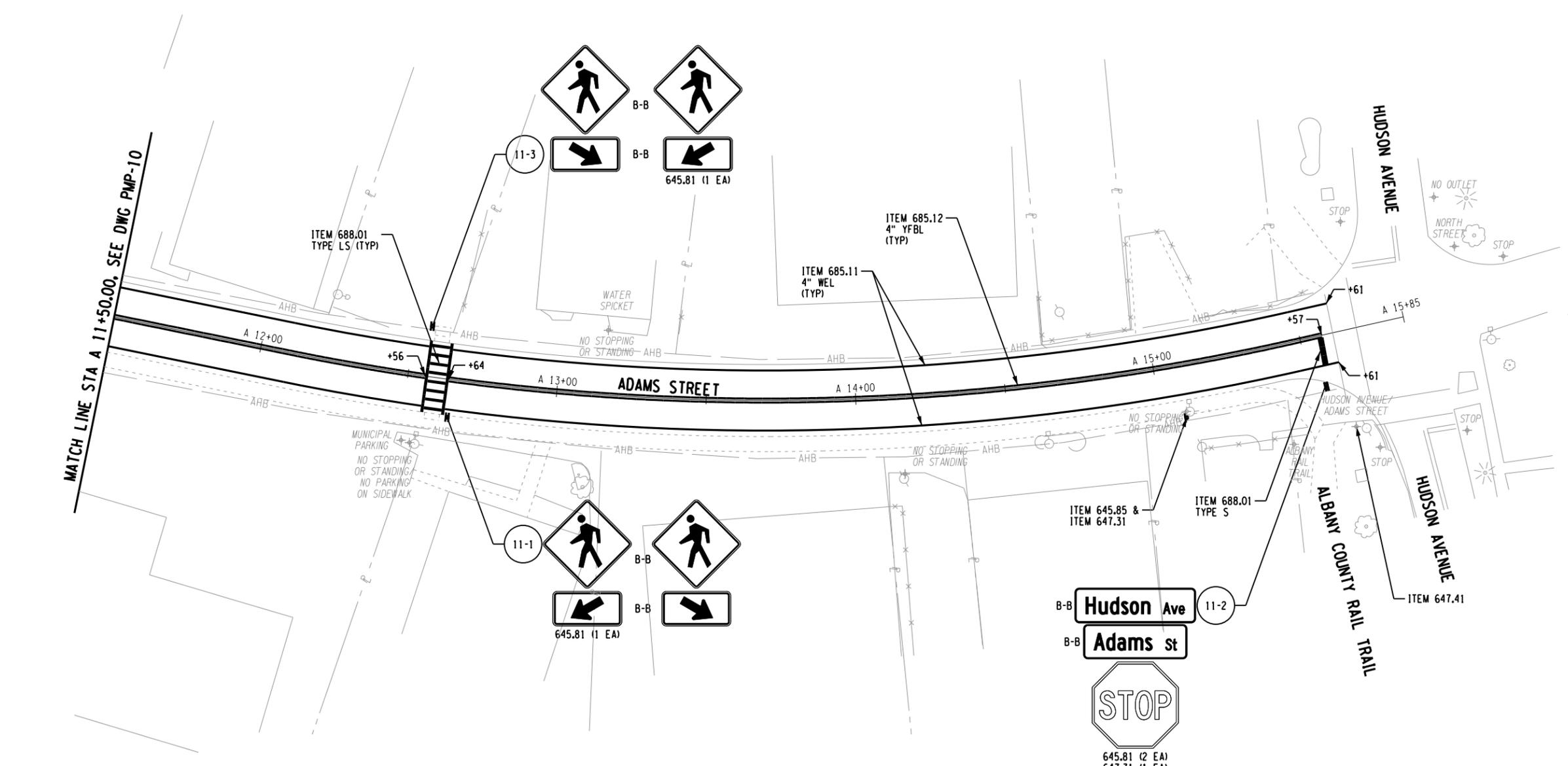
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**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

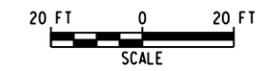
PAVEMENT MARKING PLAN

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: TJB	Scale: AS SHOWN	PMP-11
Checked By: MTS	Plot Date: 2/21/2017	
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KEY PLAN
NTS

B-B SIGNS MOUNTED BACK TO BACK



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DATE/TIME = 2/21/2017
USER = 4066



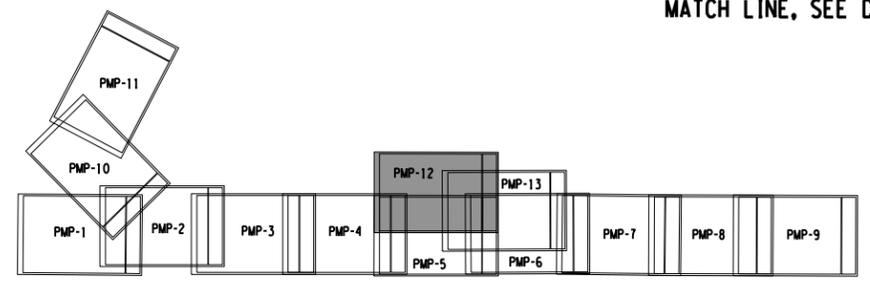
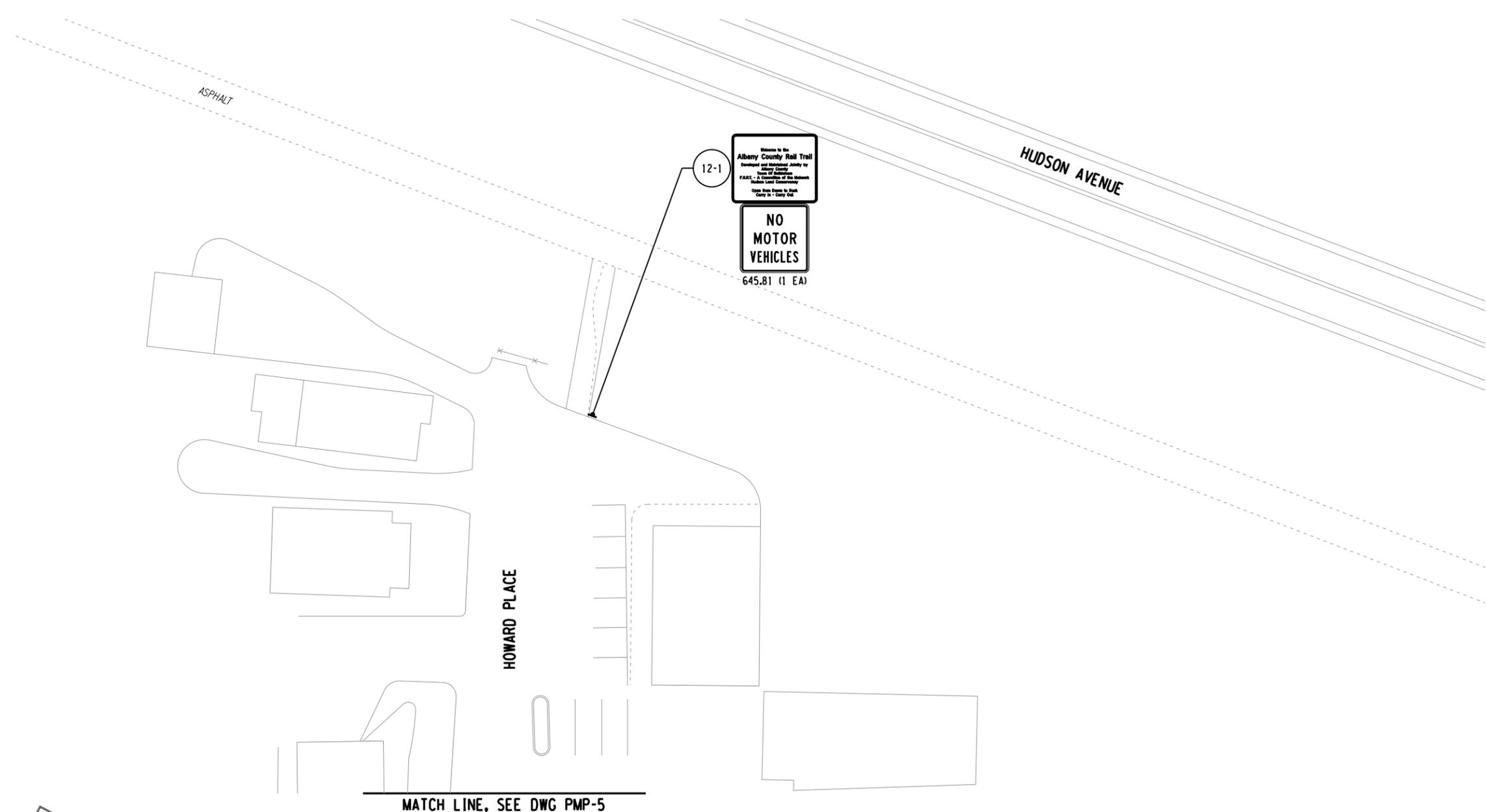
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

No.	Submittal / Revision	Appd.	Date

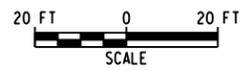
PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETSCAPE
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

**PAVEMENT MARKING
PLAN**

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: TJB	Scale: AS SHOWN	PMP-12
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 89



KEY PLAN
NTS



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DATE/TIME = 2/21/2017
USER = 4066



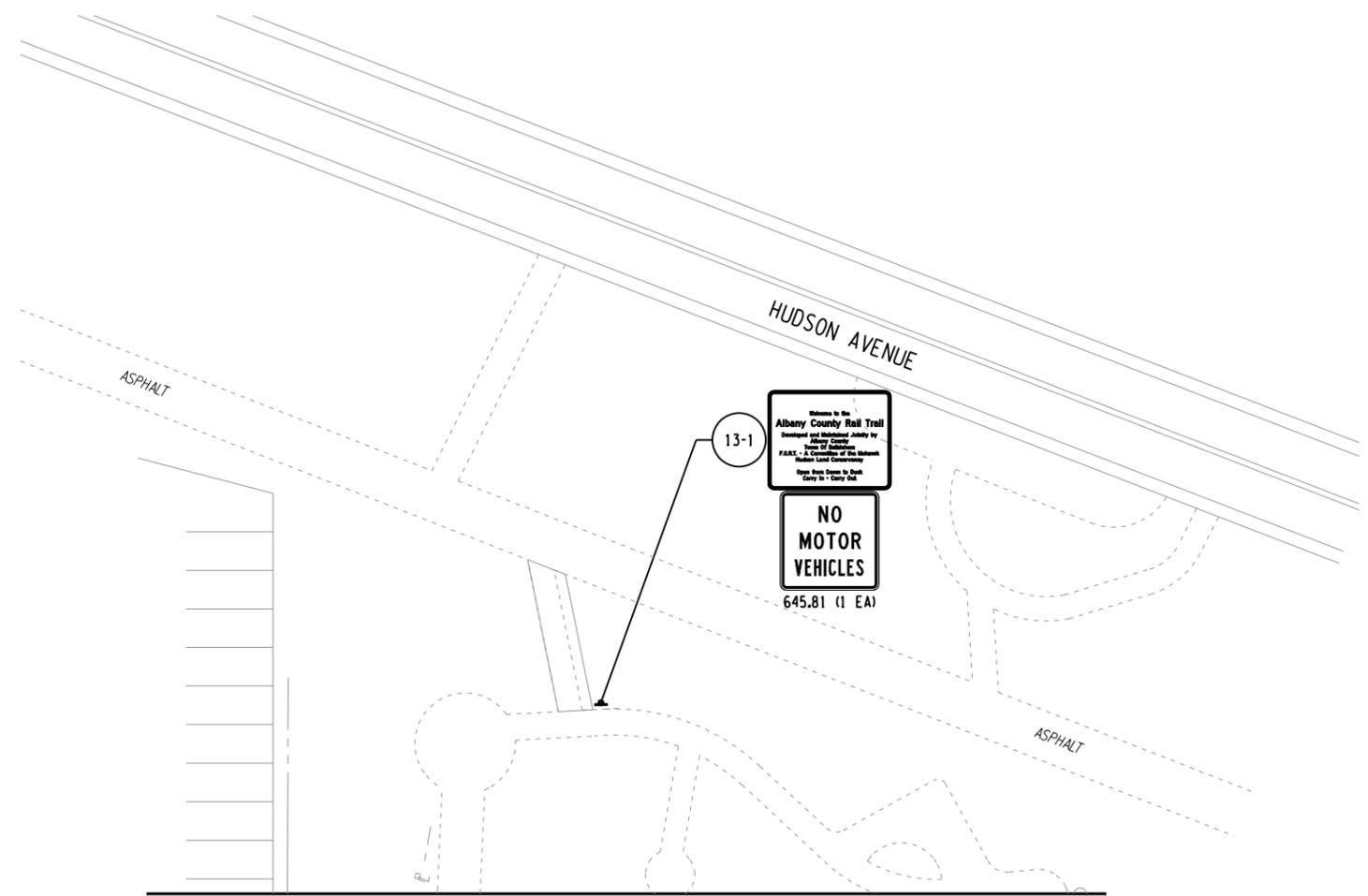
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No.	Submittal / Revision	Appd.	Date

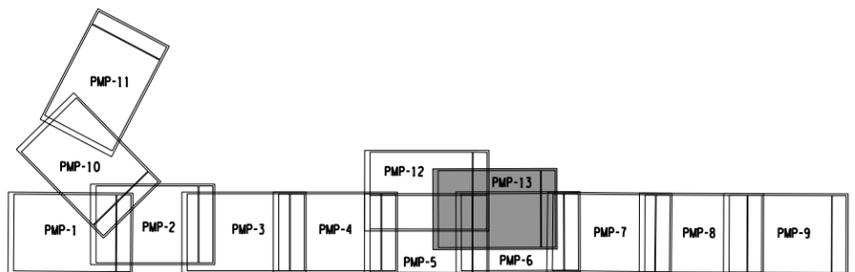
PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETSCAPE
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

PAVEMENT MARKING PLAN

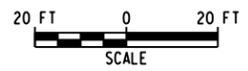
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Drawn By: TJB	Scale: AS SHOWN	PMP-13
Checked By: MTS	Plot Date: 2/21/2017	



MATCH LINE, SEE DWG PMP-6



KEY PLAN
NTS



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DATE/TIME = 2/21/2017
USER = 4066

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 DATE/TIME = 2/21/2017
 USER = 4066

DS #	STATION/OFFSET (FT)	DESCRIPTION OF WORK	PROP TG ELEV (EXIST)	SIDE/SIZE/IN ELEV	SIDE/SIZE/IN ELEV	SIDE/SIZE/IN ELEV	SIDE/SIZE/OUT ELEV	203.07	204.01	206.0201	552.17	603.6002	603.6005	603.77	603.9815	604.070101	604.301772	604.302122	604.4060	621.03	621.04	655.0705	655.1122	655.1202
								CY	CY	CY	SF	LF	LF	EA	LF	EA	LF	EA	EA	EA	EA			
DS 1-1	D 10+74.8, 14.3 LT	CLEAN EXISTING STRUCTURE	(221.94)																		1			
DS 1-2	D 10+99.7, 37.7 LT	CLEAN EXISTING STRUCTURE AND CLEAN EXISTING 12 INCH RCP OUTLET PIPE CONNECTED TO DS 1-1	(222.65)																	32	1			
DS 1-3	D 12+59.2, 16.5 RT	ALTER FRAME TO FINISHED GRADE. CLEAN EXISTING STRUCTURE AND CLEAN EXISTING 12 INCH VCP OUTLET PIPE CONNECTED TO DS 1-4	(222.14)												1					38				
DS 1-4	D 12+81.0, 12.8 LT	CLEAN EXISTING STRUCTURE AND CLEAN EXISTING 12 INCH VCP OUTLET PIPE CONNECTED TO DS 2-2	(222.34)																	235	1			
DS 2-1	D 15+15.3, 14.2 RT	CLEAN EXISTING STRUCTURE AND CLEAN EXISTING 12 INCH DIP OUTLET PIPE CONNECTED TO DS 2-2	(221.95)																	32	1			
DS 2-2	D 15+16.2, 16.0 LT	CLEAN EXISTING STRUCTURE AND CLEAN EXISTING 12 INCH CMP OUTLET PIPE CONNECTED TO DS 2-4	(221.97)																	78	1			
DS 2-3	D 15+95.0, 14.4 RT	CLEAN EXISTING STRUCTURE AND CLEAN EXISTING 12 INCH RCP OUTLET PIPE CONNECTED TO DS 2-4	(222.16)																	32	1			
DS 2-4	D 15+93.6, 16.8 LT	CLEAN EXISTING STRUCTURE AND CLEAN EXISTING 12" RCP OUTLET PIPE CONNECTED TO DS 2-5	(222.33)																	92	1			
DS 2-5	D 16+90.0, 16.8 LT	CLEAN EXISTING STRUCTURE, AND CLEAN EXISTING 14" RCP OUTLET PIPE CONNECTED TO DS 2-6	(221.91)																	190	1			
DS 2-6	D 18+83.3, 16.9 LT	CLEAN EXISTING STRUCTURE AND CLEAN EXISTING 24 INCH DIP OUTLET PIPE CONNECTED TO DS 3-1	220.71																	48	1			
DS 3-1	D 19+28.9, 17.0 LT	REMOVE EXISTING STRUCTURE AND EXISTING 14 INCH DIP OUTLET PIPE. INSTALL TYPE 60 MANHOLE W/ F&C. INSTALL 60.0 FT OF 15 INCH RCP FROM DS 3-1 AND OUTLET IN DS 3-2	219.90				OUTLET 15" RCP 215.14	72.6		72.2	1372.9	60							4.9					1
DS 3-2	D 19+90.6, 22.0 LT	INSTALL TYPE Q STR W/ F2 F&G. INSTALL 30.0 FT OF 15 INCH SICPP FROM DS 3-2 AND OUTLET IN DS 3-3	218.75	1 15" SICPP 214.60			OUTLET 15" SICPP 214.50	13.6		14.1				30								1		
DS 3-3	D 19+92.1, 13.9 RT	INSTALL TYPE Q STR W/ F2 F&G. INSTALL 130.0 FT OF 15 INCH SICPP FROM DS 3-3 AND OUTLET IN DS 3-5	218.91	3 15" SICPP 214.20			OUTLET 15" SICPP 214.10	44.9		89.8	1693.8			130								1		
DS 3-4	D 21+26.3, 22.0 LT	INSTALL TYPE Q STR W/ F2 F&G. INSTALL 30.0 FT OF 15 INCH SICPP FROM DS 3-4 AND OUTLET IN DS 3-5	215.23				OUTLET 15" SICPP 210.70	14.2		16.2	91.9			30								1		
DS 3-5	D 21+26.2, 14.0 RT	INSTALL TYPE Q STR W/ F2 F&G. INSTALL 120.0 FT OF 15 INCH SICPP FROM DS 3-5 AND OUTLET IN DS 3-7	215.64	2 15" SICPP 210.40	3 15" SICPP 210.40		OUTLET 15" SICPP 210.30	42.9		58.3	1316.0			120								1		
DS 3-6	D 22+47.6, 12.3 RT	INSTALL TYPE 60 MANHOLE W/ F&C. INSTALL 102.0 FT OF 15 INCH SICPP FROM DS 3-7 AND OUTLET IN DS 3-9	212.38	2 15" SICPP 207.20	3 15" SICPP 207.20		OUTLET 15" SICPP 207.10	37.0		49.5	1181.9			102				5.4						1
DS 3-7	D 23+52.5, 22.0 LT	INSTALL TYPE Q STR W/ F2 F&G. INSTALL 30.0 FT OF 15 INCH SICPP FROM DS 3-8 AND OUTLET IN DS 3-9	209.89				OUTLET 15" SICPP 205.40	14.2		15.9	91.2			30								1		
DS 3-8	D 23+52.4, 14.0 RT	INSTALL TYPE Q STR W/ F2 F&G. INSTALL 66.0 FT OF 15" SICPP FROM DS 3-9 AND OUTLET IN DS 4-2	210.27	2 15" SICPP 205.10	3 15" SICPP 205.10		OUTLET 15" SICPP 205.00	26.5		36.5	771.1			66								1		
DS 3-10	D 20+75.0, 16.50 LT	REMOVE EXISTING STRUCTURE AND EXISTING 14 INCH DIP OUTLET PIPE	216.74					252.3		252.3	5636.9													
DS 3-11	D 20+60.8, 13.40 LT	REMOVE EXISTING STRUCTURE AND ABANDON 14 INCH DIP OUTLET PIPE	(216.96)					4.1	1.2	4.1														
DS 4-1	D 24+24.7, 16.6 LT	ALTER FRAME.	208.88												1									
DS 4-2	D 24+21.2, 9.4 RT	INSTALL TYPE 60 MANHOLE W/ F&C. TIE INTO EXISTING 24" VCP.	209.35	1 15" SICPP 201.90	2 24" RCP 199.00	3 15" SICPP 203.7	OUTLET 24" VCP 198.90	34.3		57.5	295.5							10.6						1
DS 4-3	D 24+20.1, 19.5 RT	REMOVE PORTION OF 24" VCP FROM DS 4-3 TO DS 4-2. INSTALL 6 LF OF 24" RCP FROM DS 4-3 TO DS 4-2. ALTER EXISTING FRAME	209.15				OUTLET 24" RCP 199.20	4.0		10.8	21.1	6			1									
DS 4-4	D 24+99.2, 22.0 LT	INSTALL TYPE Q STR W/ F2 F&G. INSTALL 30.0 FT OF 15 INCH SICPP FROM DS 4-4 AND OUTLET IN DS 4-5	209.12				OUTLET 15" SICPP 204.60	13.9		16.2	91.7			30								1		
DS 4-5	D 24+99.0, 10.3 RT	INSTALL TYPE 60 MANHOLE W/ F&C. INSTALL 75.0 FT OF 15 INCH SICPP WITH CONCRETE COLLAR FROM DS 4-5 AND OUTLET IN DS 4-2	209.57	1 15" SICPP 204.30	2 15" SICPP 203.50		OUTLET 15" SICPP 203.40	30.5		56.1	1146.8			75				6.3						1
DS 4-6	D 25+58.0, 11.0 RT	INSTALL TYPE 60 MANHOLE W/ F&C. INSTALL 58.0 FT OF 15 INCH SICPP FROM DS 4-6 AND OUTLET IN DS 4-5	210.31	2 15" SICPP 204.80	3 15" SICPP 203.50		OUTLET 15" SICPP 204.7	24.3		36.1	796.6			58				5.7						1
DS 4-7	D 25+58.0, 22.0 RT	INSTALL TYPE Q STR W/ F2 F&G. INSTALL 8.0 FT OF 15 INCH SICPP FROM DS 4-7 AND OUTLET IN DS 4-6	210.09				OUTLET 15" SICPP 205.60	7.4		7.6	91.2			8								1		
DS 4-8	D 26+34.4, 22.0 LT	INSTALL TYPE Q STR W/ F2 F&G. INSTALL 30.0 FT OF 15 INCH SICPP FROM DS 4-8 AND OUTLET IN DS 4-9	211.29				OUTLET 15" SICPP 206.80	14.1		16.0	91.2			30								1		

CONTINUED ON DWG DT-2



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No.	Submittal / Revision	Appd.	Date

PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
 TOWN OF BETHLEHEM, ALBANY COUNTY, NY

DRAINAGE TABLE

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: NONE	DT-1
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 92



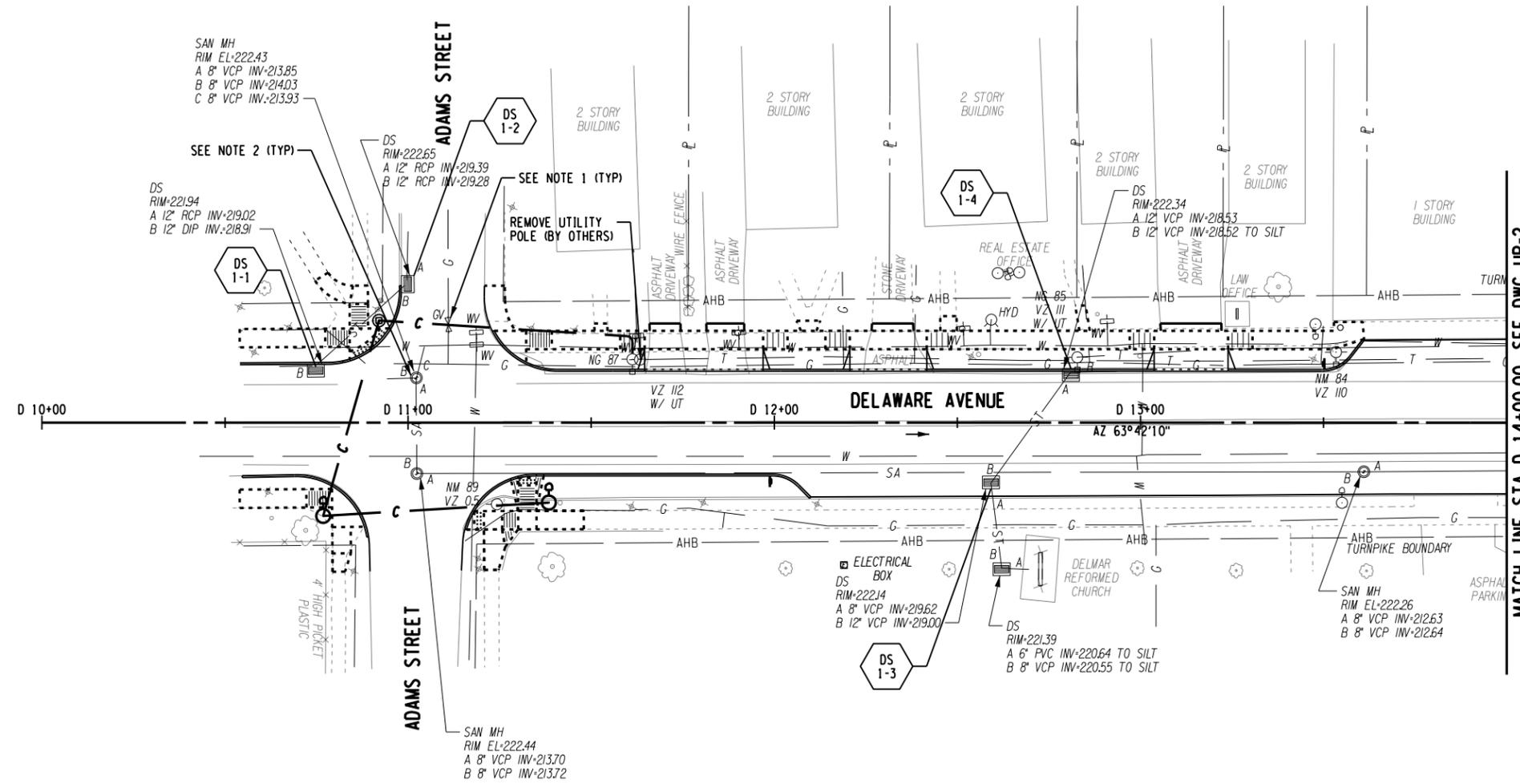
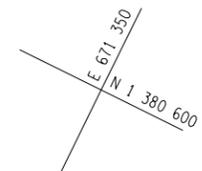
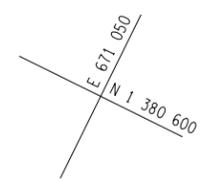
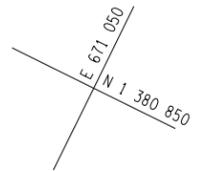
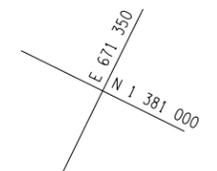
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No.	Submittal / Revision	Appd.	Date

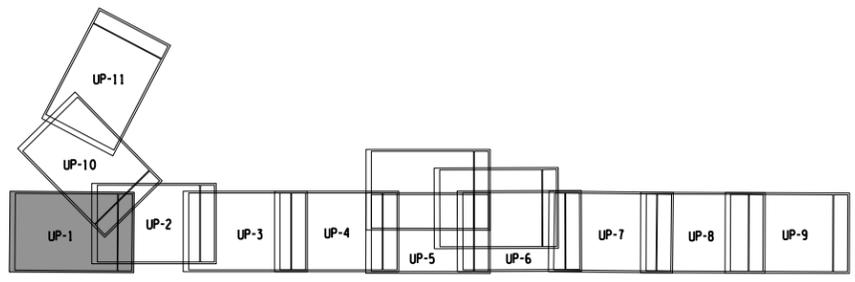
PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

DRAINAGE/UTILITY PLAN

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	UP-1
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 94

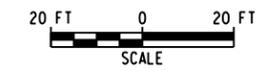


MATCH LINE STA D 14+00.00, SEE DWG UP-2



KEY PLAN
NTS

- NOTES:**
- SEE ALTER GAS VALVE TABLE, DWG MT-2.
 - ALTER MANHOLE COVER ITEM 604.070101, SEE DWG MT-2.



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DATE/TIME = 2/21/2017
USER = 5128



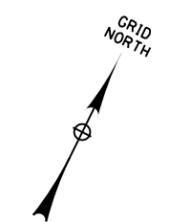
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No.	Submission / Revision	Appd.	Date

PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

DRAINAGE/UTILITY PLAN

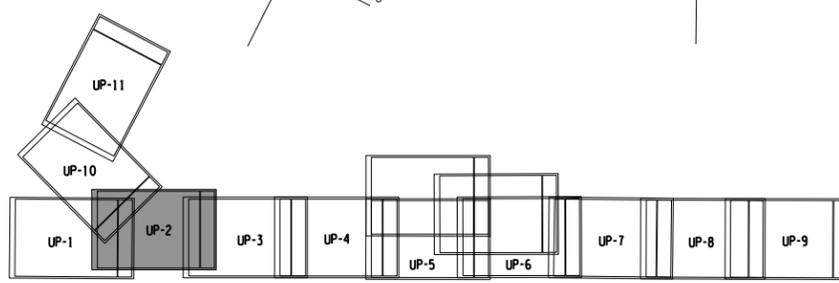
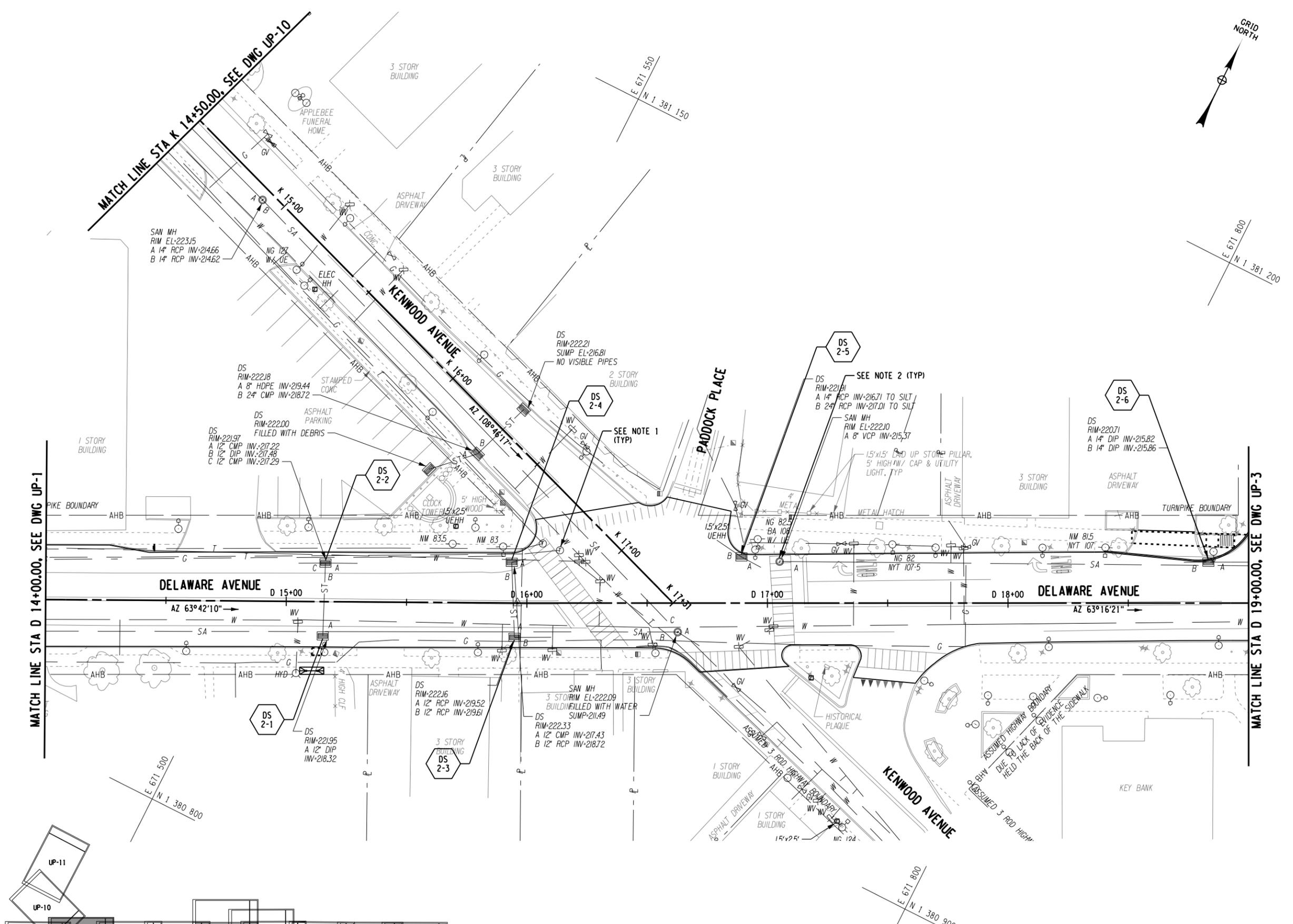
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Drawn By: MED	Scale: AS SHOWN	UP-2
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 95



MATCH LINE STA K 14+50.00. SEE DWG UP-10

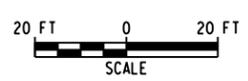
MATCH LINE STA D 14+00.00. SEE DWG UP-1

MATCH LINE STA D 19+00.00. SEE DWG UP-3



KEY PLAN
NTS

- NOTES:**
1. TELEPHONE MANHOLE COVER TO BE ALTERED BY OTHERS. SEE ALTER MANHOLE TABLE, DWG MT-2.
 2. ALTER MANHOLE COVER - ITEM 604.070101, SEE DWG MT-2.



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DATE/TIME = 2/21/2017
USER = 5128



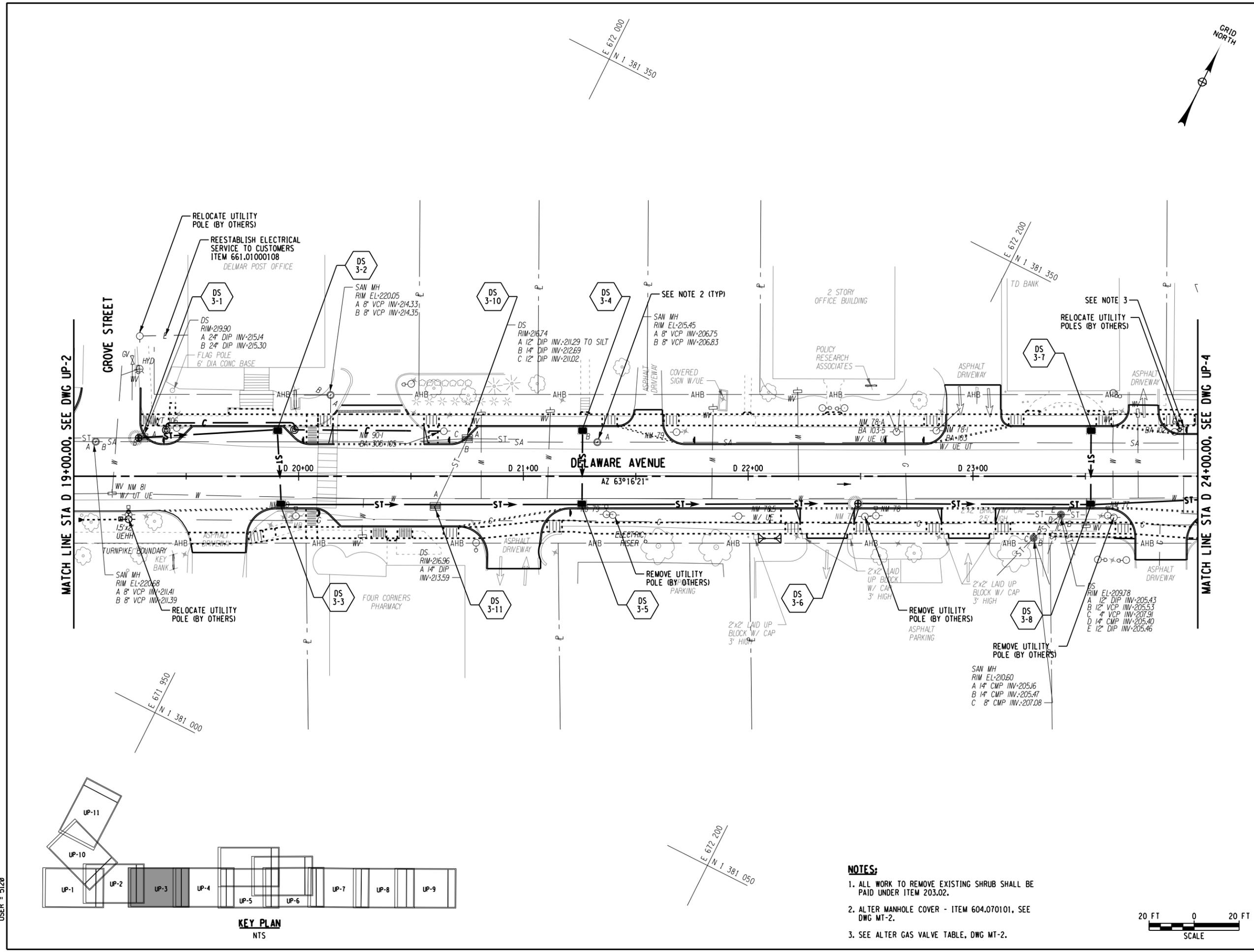
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

No.	Submittal / Revision	Appd.	Date

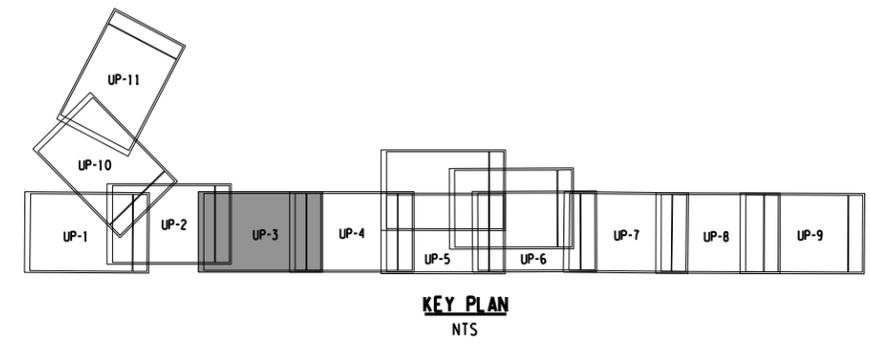
PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

DRAINAGE/UTILITY PLAN

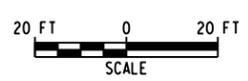
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Checked By: MTS	Plot Date: 2/21/2017	SHEET 96

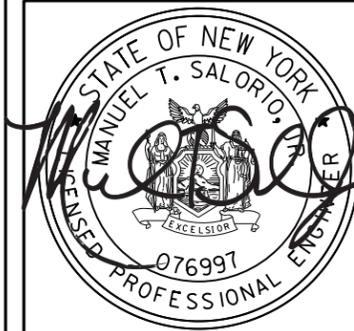


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DATE/TIME = 2/21/2017
USER = 5128



- NOTES:**
- ALL WORK TO REMOVE EXISTING SHRUB SHALL BE PAID UNDER ITEM 203.02.
 - ALTER MANHOLE COVER - ITEM 604.070101, SEE DWG MT-2.
 - SEE ALTER GAS VALVE TABLE, DWG MT-2.





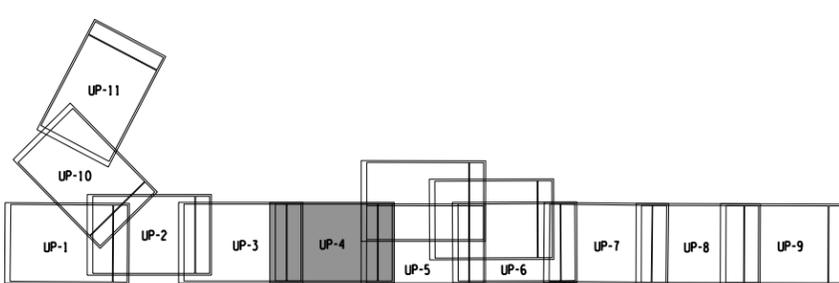
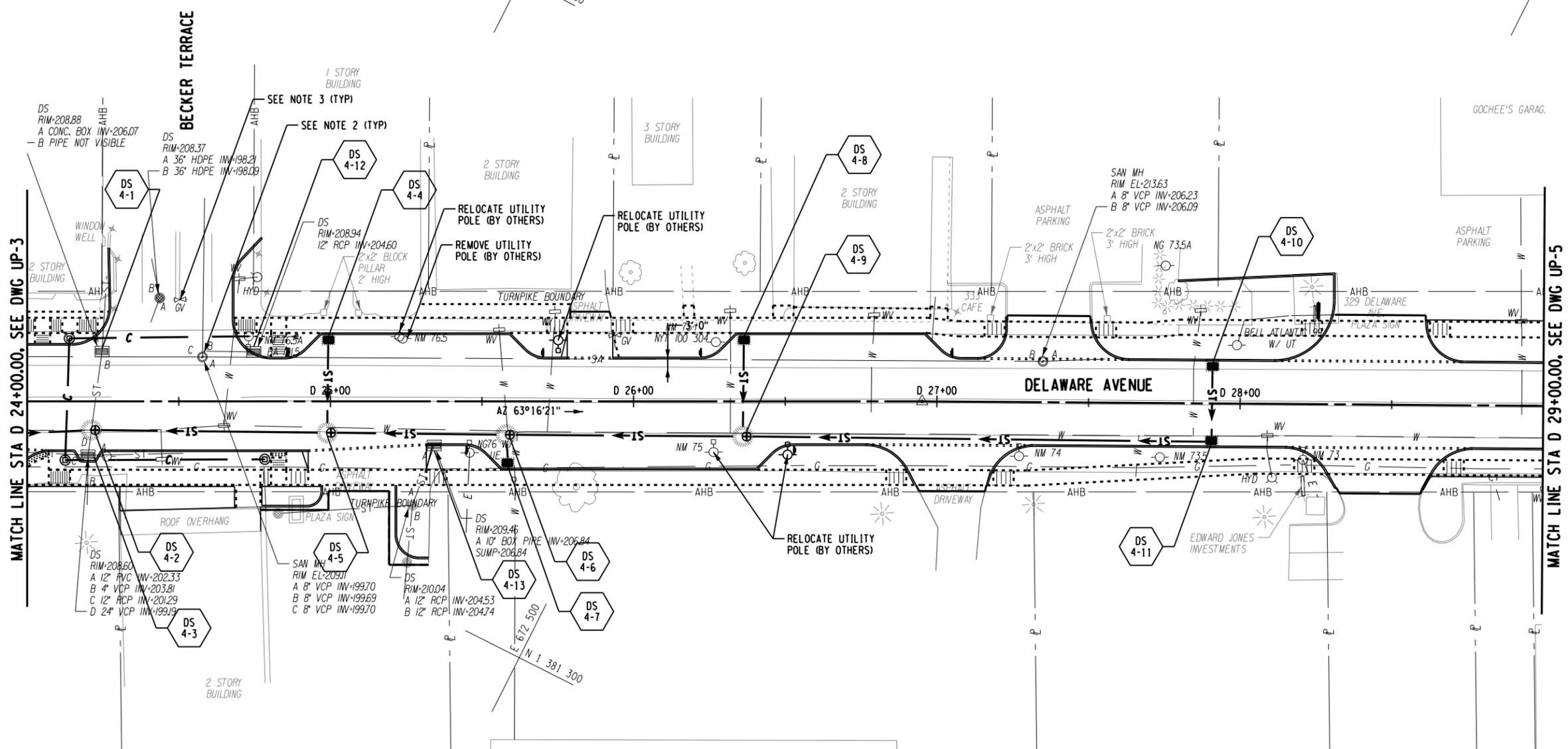
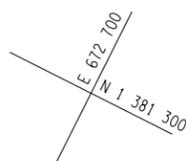
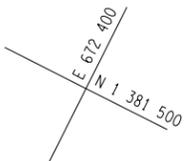
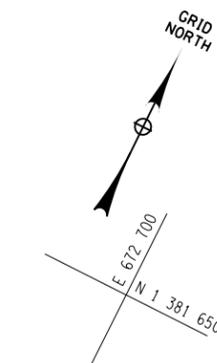
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**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

**DRAINAGE/UTILITY
PLAN**

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	UP-4
Checked By: MTS	Plot Date: 2/21/2017	

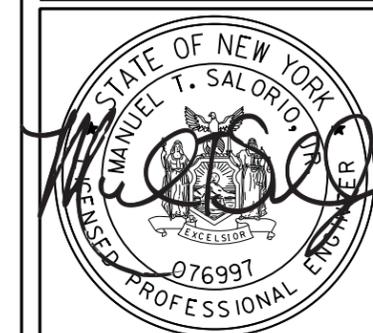


KEY PLAN
NTS

- NOTES:**
1. WORK TO REMOVE EXISTING ASPHALT SIDEWALK TO BE PAID FOR UNDER ITEM 203.02. CONTRACTOR SHOULD RESTORE DISTURBED AREA TO MATCH MATERIALS AND GRADE ADJACENT.
 2. ALTER MANHOLE COVER - ITEM 604.070101, SEE DWG MT-2.
 3. SEE ALTER GAS VALVE TABLE, DWG MT-2.



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DATE/TIME = 2/21/2017
USER = 5128



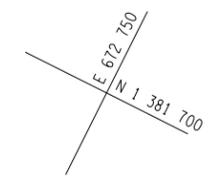
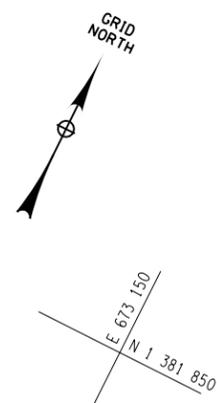
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No.	Submission / Revision	Appd.	Date

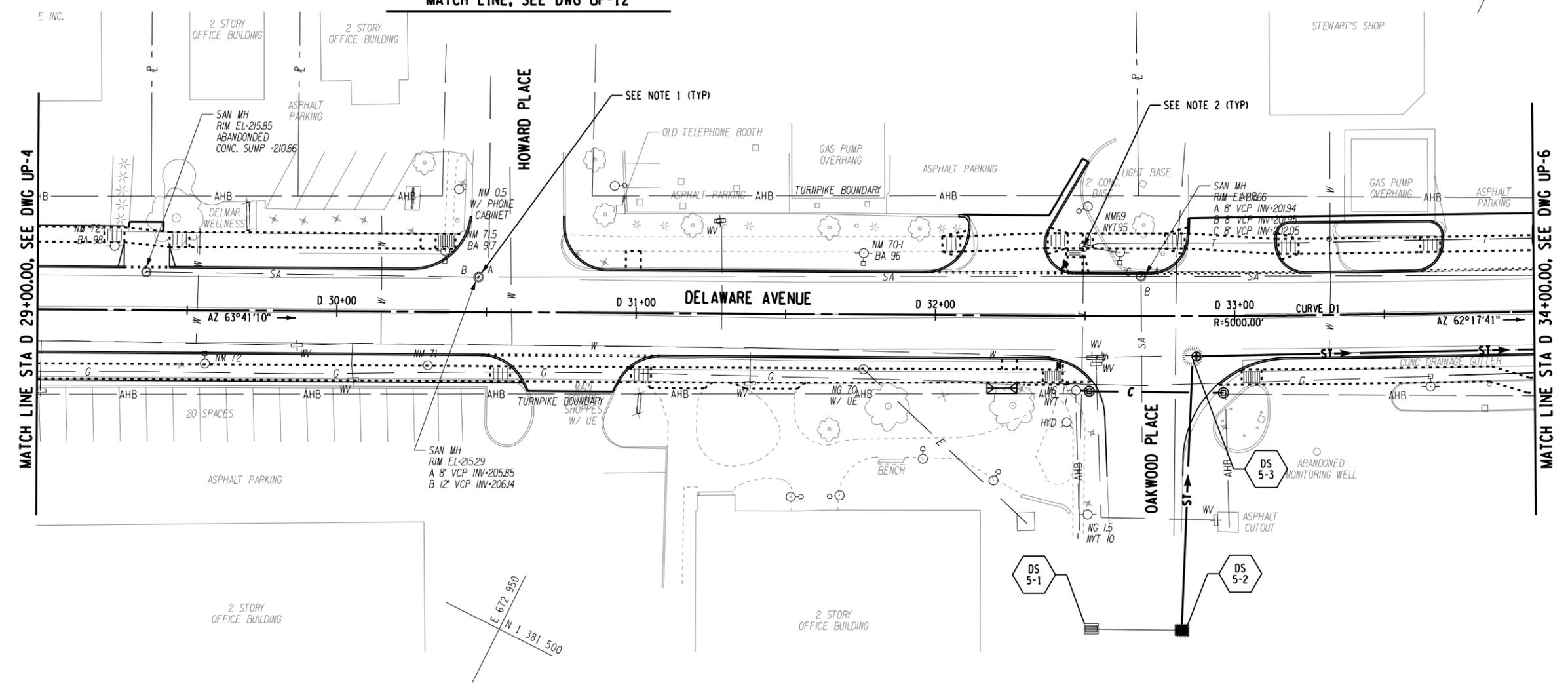
PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

DRAINAGE/UTILITY PLAN

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	UP-5
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 98

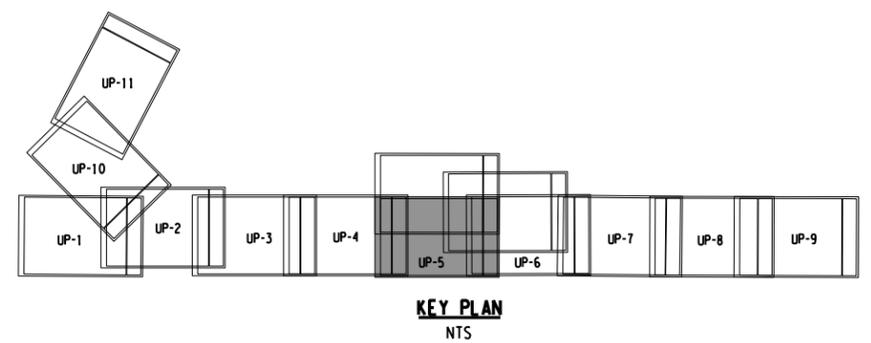


MATCH LINE, SEE DWG UP-12



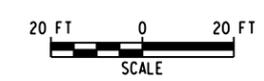
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MATCH LINE STA D 34+00.00, SEE DWG UP-6

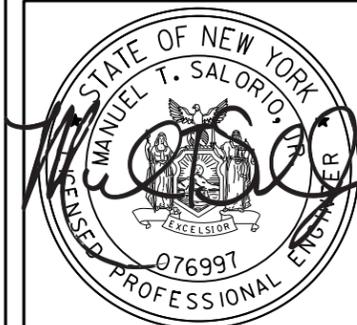


KEY PLAN
NTS

- NOTES:**
- ALTER MANHOLE COVER - ITEM 604.070101, SEE DWG MT-2.
 - TELEPHONE MANHOLE COVER TO BE ALTERED BY OTHERS. SEE ALTER MANHOLE TABLE, DWG MT-2.



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DATE/TIME = 2/21/2017
USER = 5128



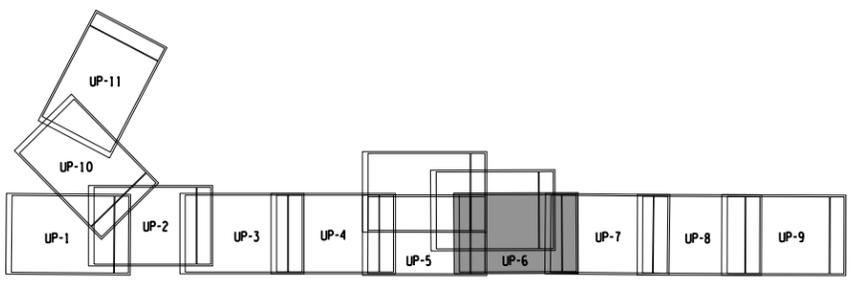
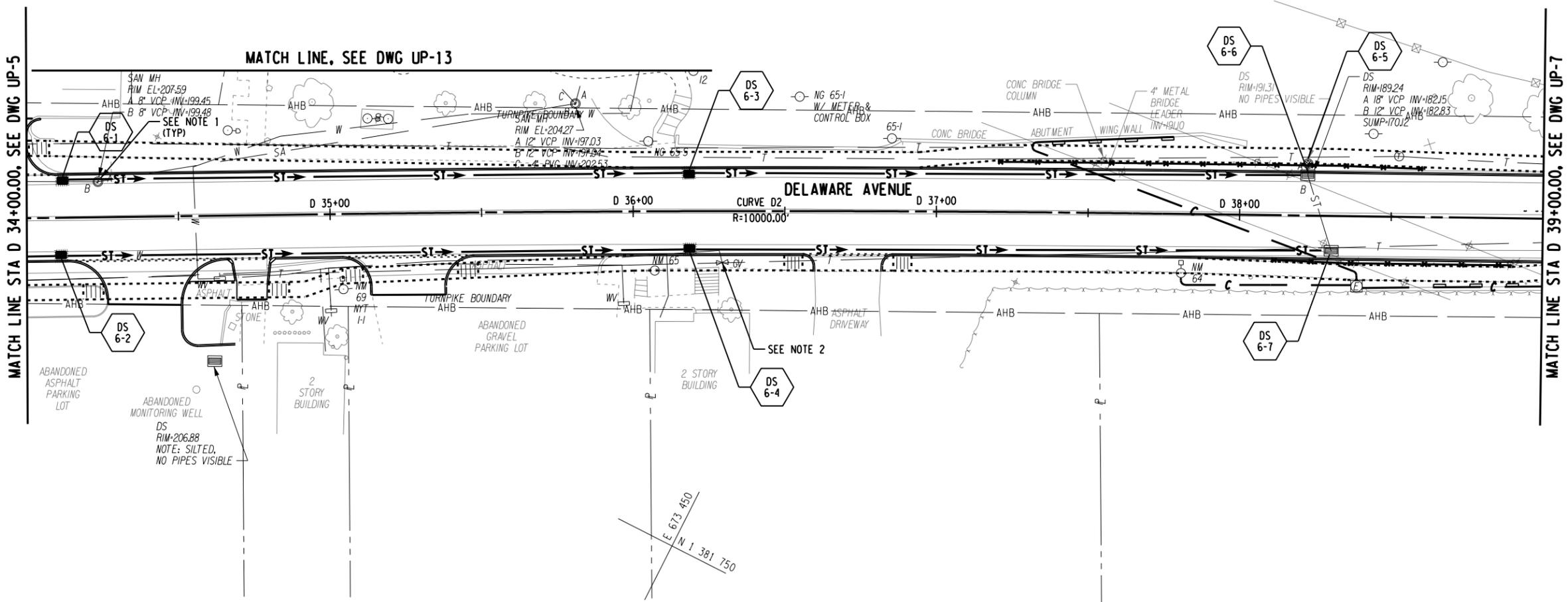
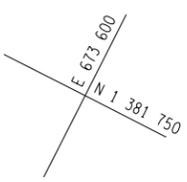
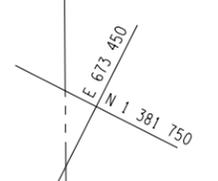
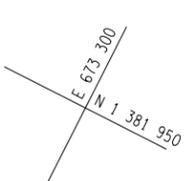
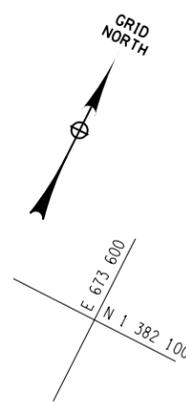
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No.	Submission / Revision	Appd.	Date

PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

**DRAINAGE/UTILITY
PLAN**

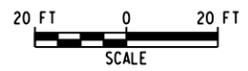
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Drawn By: MED	Scale: AS SHOWN	UP-6
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 99



KEY PLAN
NTS

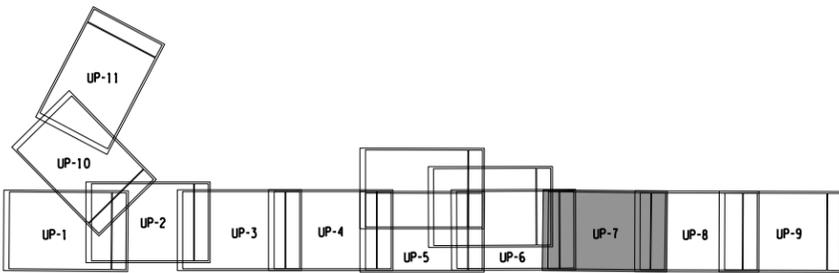
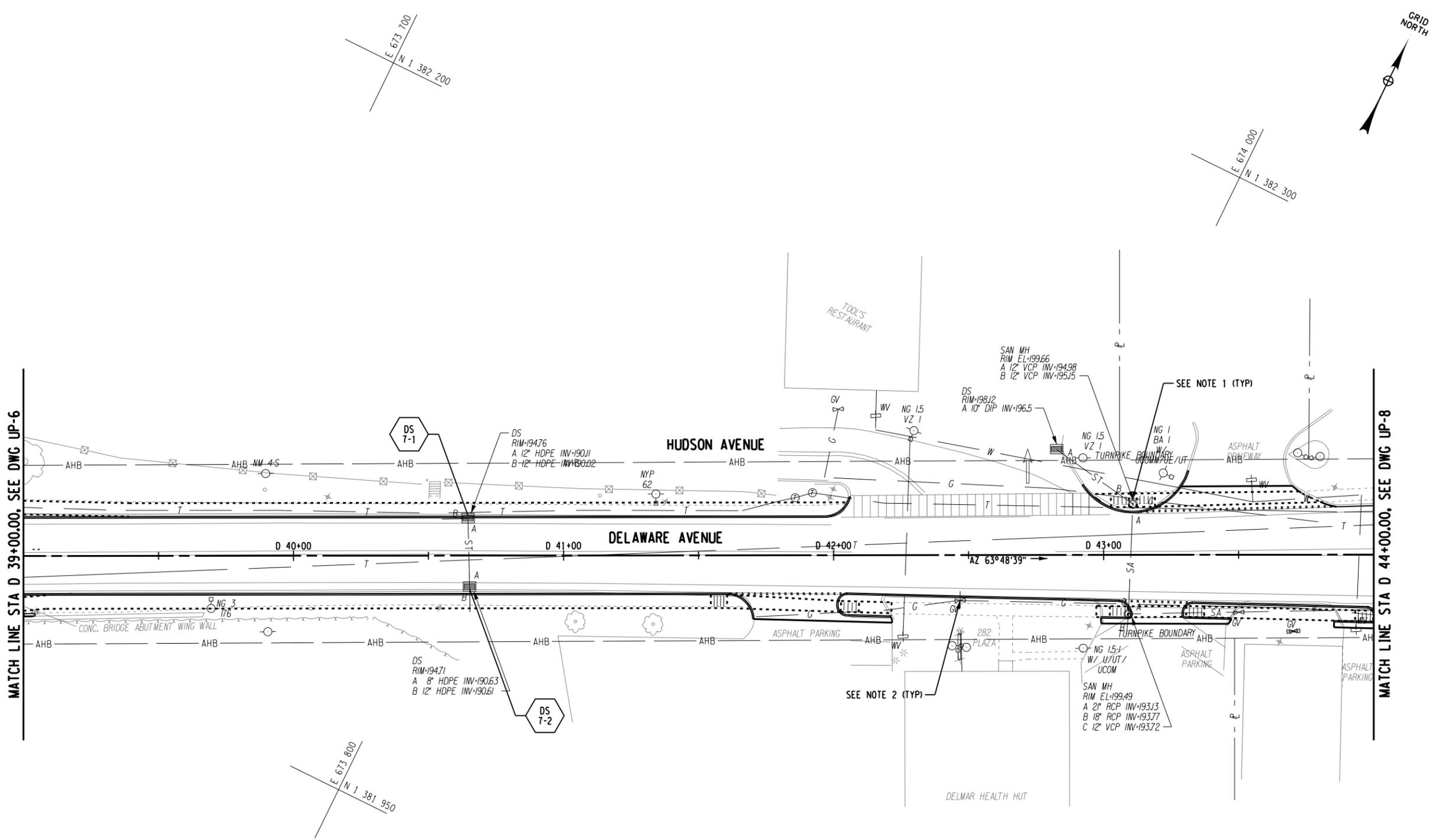
NOTES:

1. ALTER MANHOLE COVER - ITEM 604.070101, SEE DWG MT-2.
2. SEE ALTER GAS VALVE TABLE, DWG MT-2.

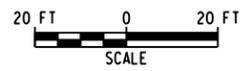


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- NOTES:**
- ALTER MANHOLE COVER - ITEM 604.070101, SEE DWG MT-2.
 - SEE ALTER GAS VALVE TABLE, DWG MT-2.



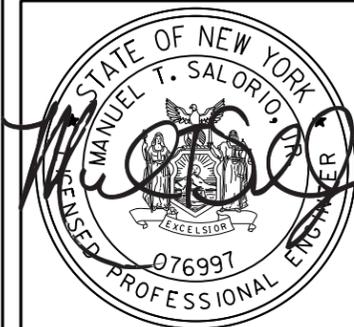
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No.	Submittal / Revision	Appd.	Date

PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
 TOWN OF BETHLEHEM, ALBANY COUNTY, NY

DRAINAGE/UTILITY PLAN

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	UP-7
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 100



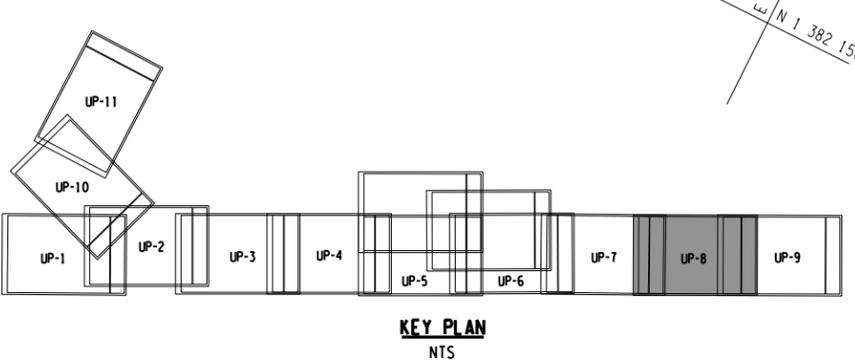
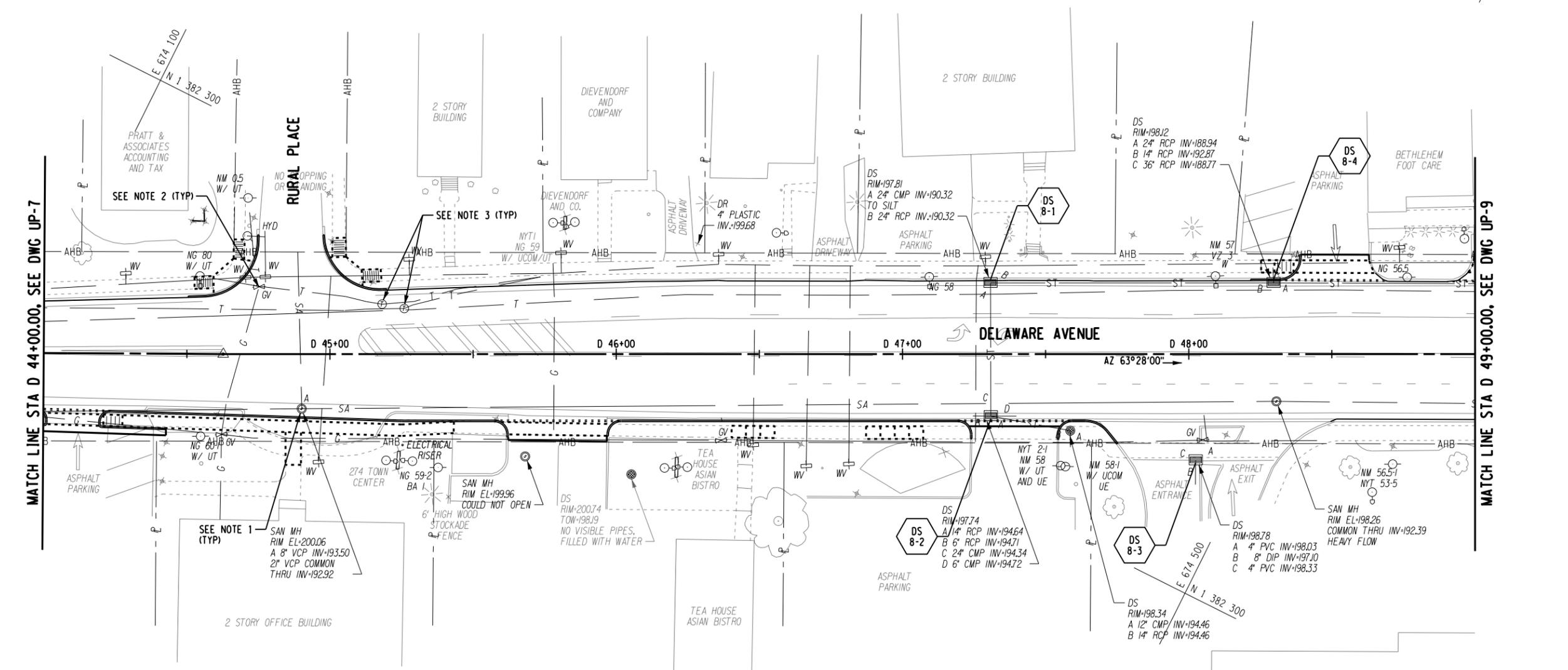
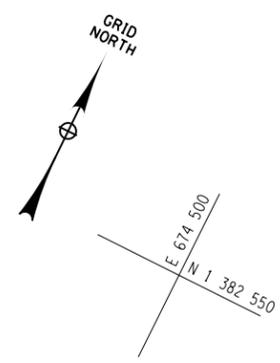
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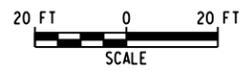
PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

DRAINAGE/UTILITY PLAN

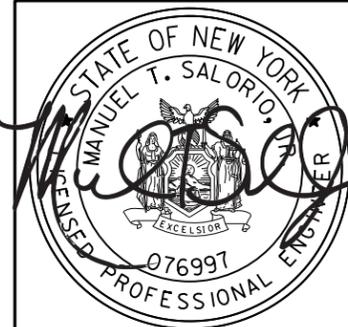
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Drawn By: MED	Scale: AS SHOWN	UP-8
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 101



- NOTES:**
1. ALTER MANHOLE COVER - ITEM 604.070101, SEE DWG MT-2.
 2. SEE ALTER GAS VALVE TABLE, DWG MT-2.
 3. TELEPHONE MANHOLE COVER TO BE ALTERED BY OTHERS. SEE ALTER MANHOLE TABLE, DWG MT-2.



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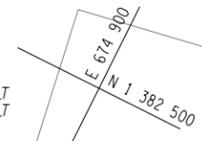
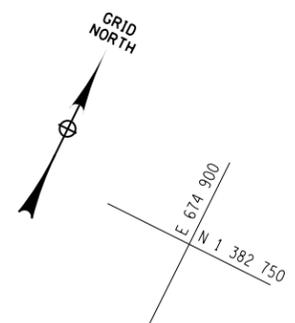
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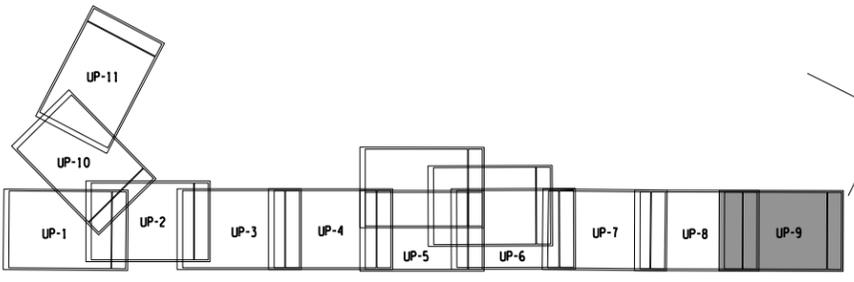
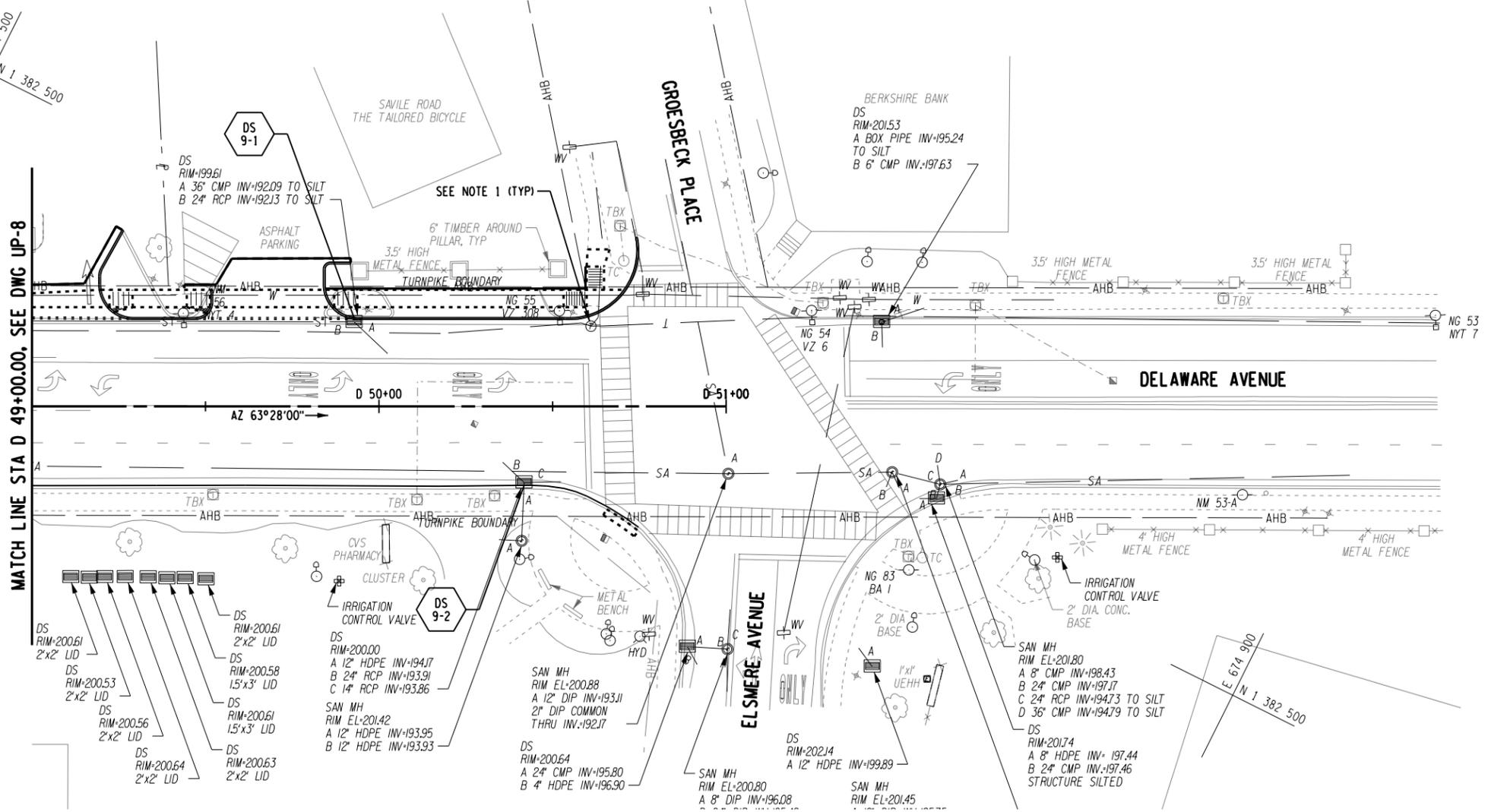
PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

DRAINAGE/UTILITY PLAN

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	UP-9
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 102

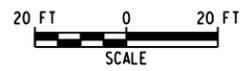


MATCH LINE STA D 49+00.00, SEE DWG UP-8



KEY PLAN
NTS

NOTE:
1. TELEPHONE MANHOLE COVER TO BE ALTERED BY OTHERS. SEE ALTER MANHOLE TABLE, DWG MT-2.



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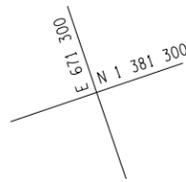
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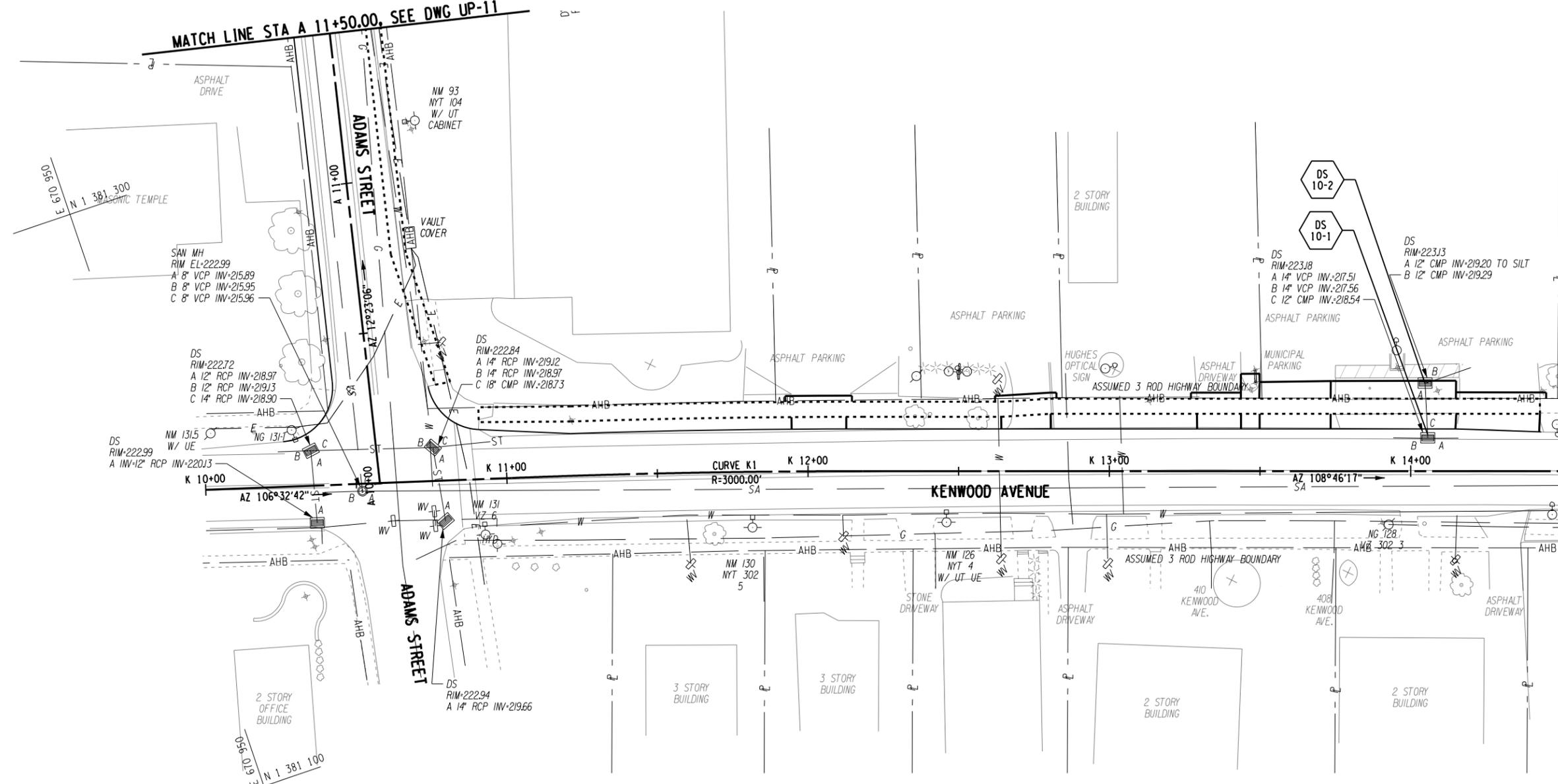
PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

DRAINAGE/UTILITY PLAN

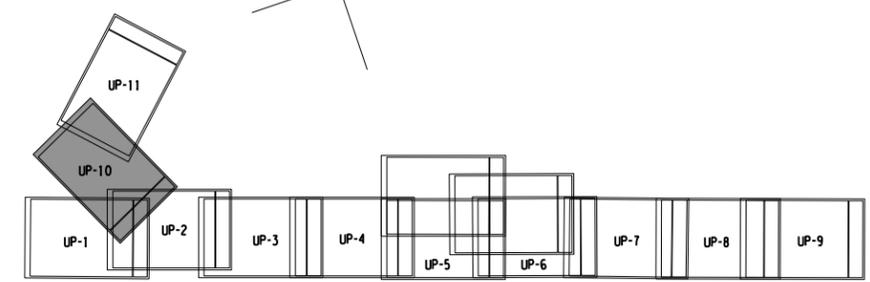
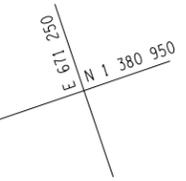
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		SHEET 103



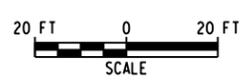
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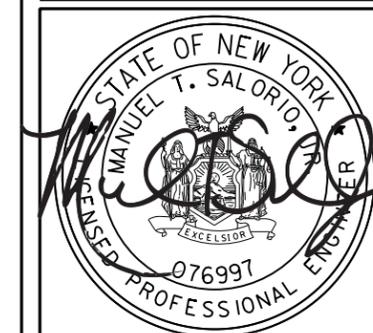
MATCH LINE STA K 14+50.00, SEE DWG UP-2



KEY PLAN
NTS



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DATE/TIME = 2/21/2017
USER = 5128



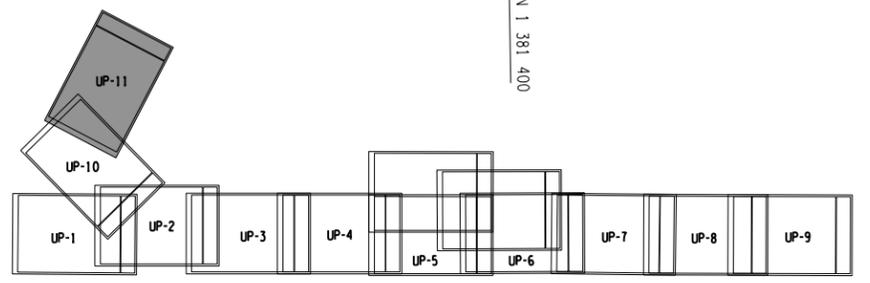
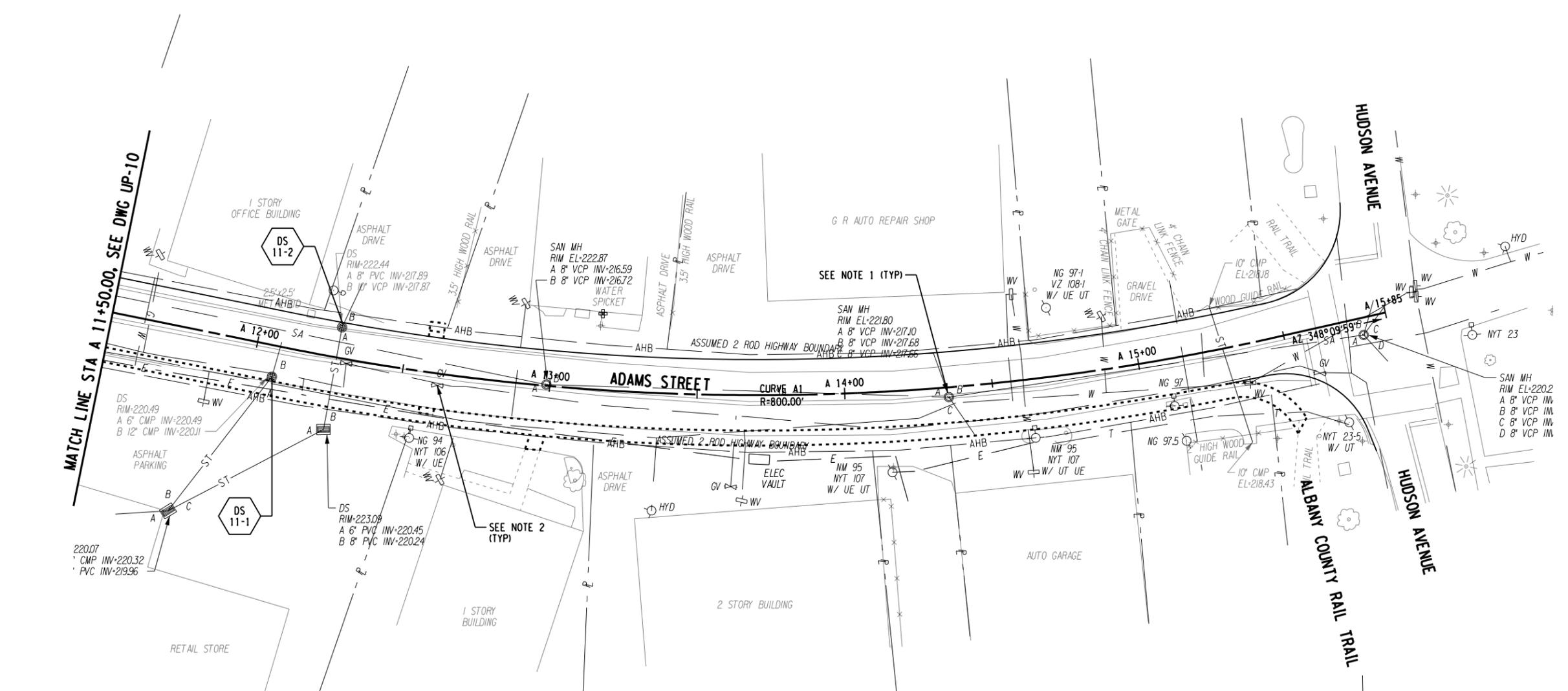
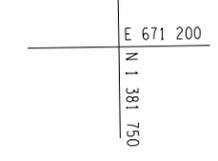
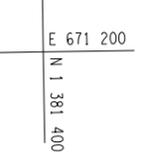
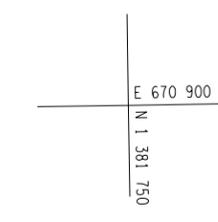
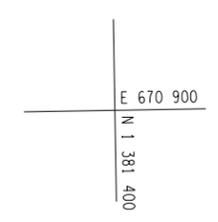
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PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

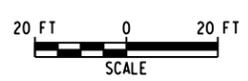
**DRAINAGE/UTILITY
PLAN**

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: AS SHOWN	UP-11
Checked By: MTS	Plot Date: 2/21/2017	



KEY PLAN
NTS

- NOTES:**
- ALTER MANHOLE COVER - ITEM 604.070101, SEE DWG MT-2.
 - SEE ALTER GAS VALVE TABLE, DWG MT-2.



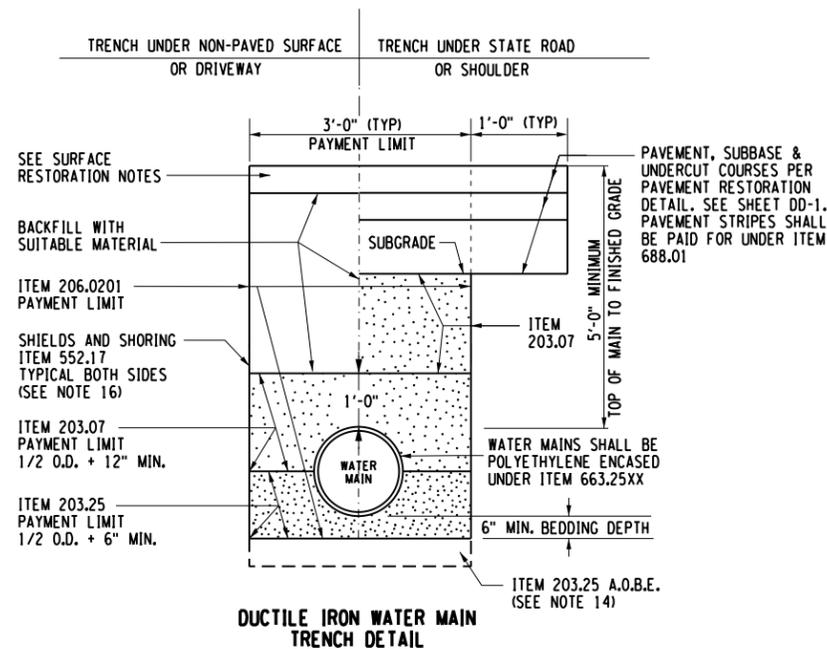
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DATE/TIME = 2/21/2017
USER = 5128

WATER NOTES:

1. THE DEPTH TO EXISTING WATER MAINS IS ASSUMED TO BE 5'-0" FROM EXISTING GRADE. CONTRACTOR SHALL VERIFY ACTUAL DEPTH IN THE FIELD.
2. THE DEPTH TO EXISTING BURIED TELEPHONE, GAS, AND ELECTRIC IS ASSUMED TO BE 3'-0" FROM EXISTING GRADE. CONTRACTOR SHALL VERIFY ACTUAL DEPTH IN THE FIELD.
3. ALL EXISTING UNDERGROUND FEATURES ARE CONSIDERED APPROXIMATE AND ARE INDICATED FOR GENERAL REFERENCE ONLY UNLESS OTHERWISE NOTED.
4. EXPLORATORY EXCAVATION SHALL BE REQUIRED BY THE CONTRACTOR AT EACH UTILITY CROSSING AND WATER MAIN INTERCONNECTION TO VERIFY DEPTH OF EXISTING UTILITIES.
5. CONTRACTOR SHALL ROUTE PROPOSED WATER MAIN TO MAINTAIN SEPARATION DISTANCES FROM OTHER UTILITIES AS SHOWN ON THE PLANS AND STANDARD NYS DOT 663 SHEETS.
6. ALL UTILITY WORK INVOLVING CONNECTIONS TO EXISTING SYSTEMS SHALL BE COORDINATED WITH THE ENGINEER AND UTILITY OWNER. NOTIFY ENGINEER AND UTILITY OWNER 72 HOURS BEFORE EACH AND EVERY CONNECTION TO EXISTING SYSTEMS IS MADE.
7. CONNECTIONS TO EXISTING WATER MAINS AND WATER SERVICES SHALL BE COMPLETED ONLY AFTER THE NEW WATER SYSTEM IS PRESSURE/LEAKAGE TESTED, DISINFECTED, AND ACCEPTED BY THE ENGINEER AND LOCAL HEALTH AUTHORITY HAVING JURISDICTION.
8. ALL EXISTING HYDRANTS, HYDRANT VALVE BOXES, MAIN LINE VALVE BOXES, CURB STOPS, AND CURB BOXES LOCATED ON EXISTING WATER MAINS TO BE ABANDONED IN PLACE SHALL BE REMOVED AND DISPOSED OF AFTER THE NEW WATER SYSTEM IS ACTIVE.
9. UNDER ITEM 663.42 "REMOVE AND DISPOSE OF EXISTING WATER VALVE AND VALVE BOX", CONTRACTOR SHALL REMOVE THE VALVE BOX ONLY. EXISTING MAIN LINE VALVES SHALL REMAIN IN PLACE UNLESS OTHERWISE SPECIFIED IN THE PLANS.
10. UNDER ITEM 663.47 "REMOVE AND STORE EXISTING CURB STOP & CURB BOX", CONTRACTOR SHALL REMOVE AND DISPOSE OF CURB STOP & CURB BOX.
11. WATER MAINS TO BE ABANDONED SHALL BE CUT AND CAPPED ONLY AND PAID FOR UNDER ITEM 663.40 AS SHOWN ON THE PLANS.
12. THE CONTRACTOR SHALL MAKE TEST PITS AS NECESSARY TO DETERMINE THE LOCATION OF UNDERGROUND UTILITIES.
13. SEE STANDARD NYS DOT 663 SHEETS FOR ADDITIONAL NOTES & DETAILS.
14. ADDITIONAL BEDDING IN UNSTABLE OR UNSUITABLE SOIL CONDITIONS SHALL BE A.O.B.E. ADDITIONAL PAYMENT WILL BE MADE FOR MATERIAL PLACED TO TREAT UNSTABLE OR UNSUITABLE CONDITIONS.
15. ITEM 552.17 IS REQUIRED FOR EXCAVATIONS 5 FT OR GREATER IN DEPTH. SEE SECTION 552 OF THE STANDARD SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
16. ALL PIPE, FITTINGS, AND FIXTURES SHALL COMPLY WITH THE "REDUCTION OF LEAD IN DRINKING WATER ACT" OF JANUARY 4, 2011.
17. THE CONTRACTOR SHALL ROUTE PROPOSED WATER MAIN TO MAIN SEPARATION DISTANCES FROM OTHER UTILITIES AS SHOWN ON THE PLANS AND NYS DOT STANDARD SHEET 663-04.
19. THE CONTRACTOR SHALL INSTALL A CONCRETE CRADLE FOR UTILITY CROSSINGS LACKING REQUIRED VERTICAL OFFSET AS SHOWN ON NYS DOT STANDARD SHEET 663-04.

SURFACE RESTORATION NOTES:

- LAWNS:**
1. PLACE 4-INCHES OF ITEM 610.1403 AND SEED AND MULCH DISTURBED AREAS UNDER ITEM 610.1602.
- SIDEWALKS:**
1. PLACE 4-INCHES OF ITEM 608.0101 AND 6-INCHES OF ITEM 304.12 AS SHOWN IN THE TYPICAL SECTIONS.
- DRIVEWAYS:**
1. PLACE 4-INCHES OF ITEM 608.020102 AND 8-INCHES OF ITEM 304.12.
- CURBS:**
1. PAID FOR UNDER ITEMS 609.0401 OR 609.0201.



DUCTILE IRON WATER MAIN TRENCH DETAIL

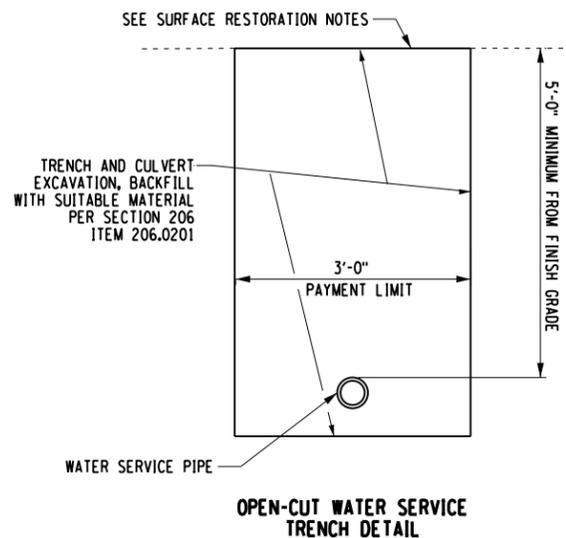
WATER SERVICE TABLE			
WATER SERVICE NO.	EXISTING WATER SERVICE SIZE (IN.) (SEE NOTE 1 BELOW)	WATER SERVICE CONNECTION ITEM NO. (SEE NOTE 2 BELOW)	WATER SERVICE PIPE ITEM NO. (SEE NOTE 2 BELOW)
WS 1-1	5/8	663.2503	663.1603
WS 1-2	3/4	663.2503	663.1603
WS 1-3	5/8	663.2503	663.1603
WS 1-4	1-1/2	663.2506	663.1606
WS 1-5	1	663.2504	663.1604
WS 1-6	1	663.2504	663.1604
WS 2-1	5/8	663.2503	663.1603
WS 2-2	5/8	663.2503	663.1603
WS 2-3	5/8	663.2503	663.1603
WS 2-4	1-1/2	663.2506	663.1606
WS 2-5	5/8	663.2503	663.1603
WS 2-6	3/4	663.2503	663.1603
WS 2-7	3/4	663.2503	663.1603
WS 2-8	3/4	663.2503	663.1603
WS 2-9	3/4	663.2503	663.1603
WS 2-10	1	663.2504	663.1604
WS 3-1	3/4	663.2503	663.1603
WS 3-2	2	663.2507	663.1607
WS 3-3	5/8	663.2503	663.1603
WS 3-4	3/4	663.2503	663.1603
WS 3-5	5/8	663.2503	663.1603
WS 3-6	5/8	663.2503	663.1603
WS 4-1	3/4	663.2503	663.1603
WS 4-2	5/8	663.2503	663.1603
WS 4-3	3/4	663.2503	663.1603
WS 4-4	5/8	663.2503	663.1603
WS 4-5	3/4	663.2503	663.1603
WS 5-1	3/4	663.2503	663.1603
WS 5-2	5/8	663.2503	663.1603
WS 6-1	3/4	663.2503	663.1603
WS 6-2	1	663.2504	663.1604
WS 6-3	3/4	663.2503	663.1603
WS 6-4	3/4	663.2503	663.1603
WS 6-5	3/4	663.2503	663.1603
WS 6-6	5/8	663.2503	663.1603
WS 6-7	3/4	663.2503	663.1603
WS 6-8	1-1/2	663.2506	663.1606
WS 6-9	1	663.2504	663.1604
WS 6-10	3/4	663.2503	663.1603
WS 6-11	3/4	663.2503	663.1603
WS 7-1	5/8	663.2503	663.1603
WS 7-2	1-1/2	663.2506	663.1606
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WS 7-4	3/4	663.2503	663.1603

NOTES:

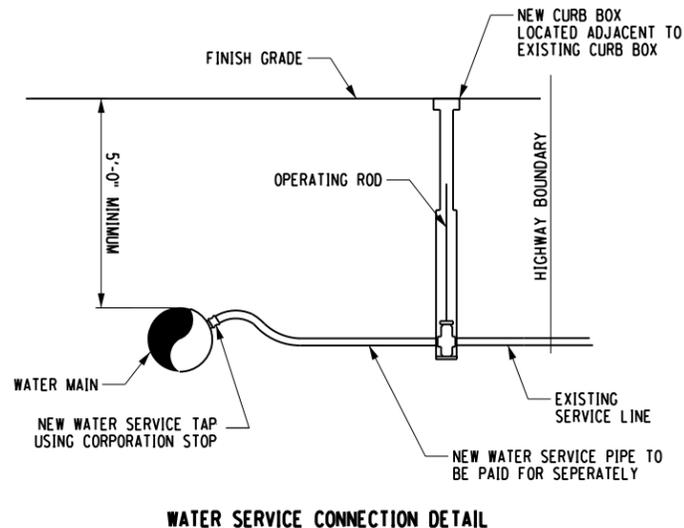
1. WATER SERVICES SIZES ARE BASED ON INFORMATION PROVIDED BY THE TOWN.
2. EXISTING 5/8-INCH SERVICES SHALL BE UPSIZED TO 3/4-INCH. CONTRACTOR SHALL USE REDUCING CURB STOPS TO MAKE CONNECTIONS TO EXISTING 5/8-INCH WATER SERVICE PIPING.

WATER SERVICE NOTES:

1. WATER SERVICE LOCATIONS AND SIZES SHOWN ON THE DRAWINGS ARE FOR ESTIMATING PURPOSES ONLY. CONTRACTOR SHALL COORDINATE EXACT LOCATION AND SIZE WITH PROPERTY OWNER AND TOWN.
2. WATER SERVICE TAPS ON A NEW OR EXISTING MAIN SHALL BE PLACED AT THE 2 O'CLOCK OR 10 O'CLOCK POSITION AND SHALL BE PLACED A MINIMUM OF 1FT APART ALONG THE LENGTH OF THE MAIN. NO TAPS SHALL BE PLACED WITHIN 2FT OF THE END OF A PIPE.
3. ALL NEW WATER SERVICE LINES SHALL BE TYPE K COPPER IN ACCORDANCE WITH SECTION 722-06 AND OWNER REQUIREMENTS.
4. ALL FITTINGS, INCLUDING CORPORATION STOP, CURB STOP, COUPLINGS, ELBOWS, ETC SHALL BE BRASS, IN ACCORDANCE WITH 722-06 AND OWNER REQUIREMENTS.
5. "WATER" SHALL BE CAST INTO CURB BOX LID.
6. CURB STOP AND CURB BOX SHALL BE PLACED WITHIN THE HIGHWAY RIGHT-OF-WAY AS SHOWN ON THE CONTRACT PLANS.
7. WHEN PLACED IN GRASS, THE TOP OF CURB BOX SHALL BE SET 3/8 INCH BELOW FINISHED GRADE.
8. PIPING IS SCHEMATIC, PIPING SHALL BE INSTALLED AS REQUIRED FOR THE INDIVIDUAL INSTALLATION.



OPEN-CUT WATER SERVICE TRENCH DETAIL



WATER SERVICE CONNECTION DETAIL



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No.	Submittal / Revision	Appd.	Date

PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
 TOWN OF BETHLEHEM, ALBANY COUNTY, NY

WATER MAIN DETAILS

Designed By: DBT	Project No.: 30792	Drawing No.:
Drawn By: DBT	Scale: AS SHOWN	WD-1
Checked By: MBA	Plot Date: 2/14/2017	
		SHEET 105



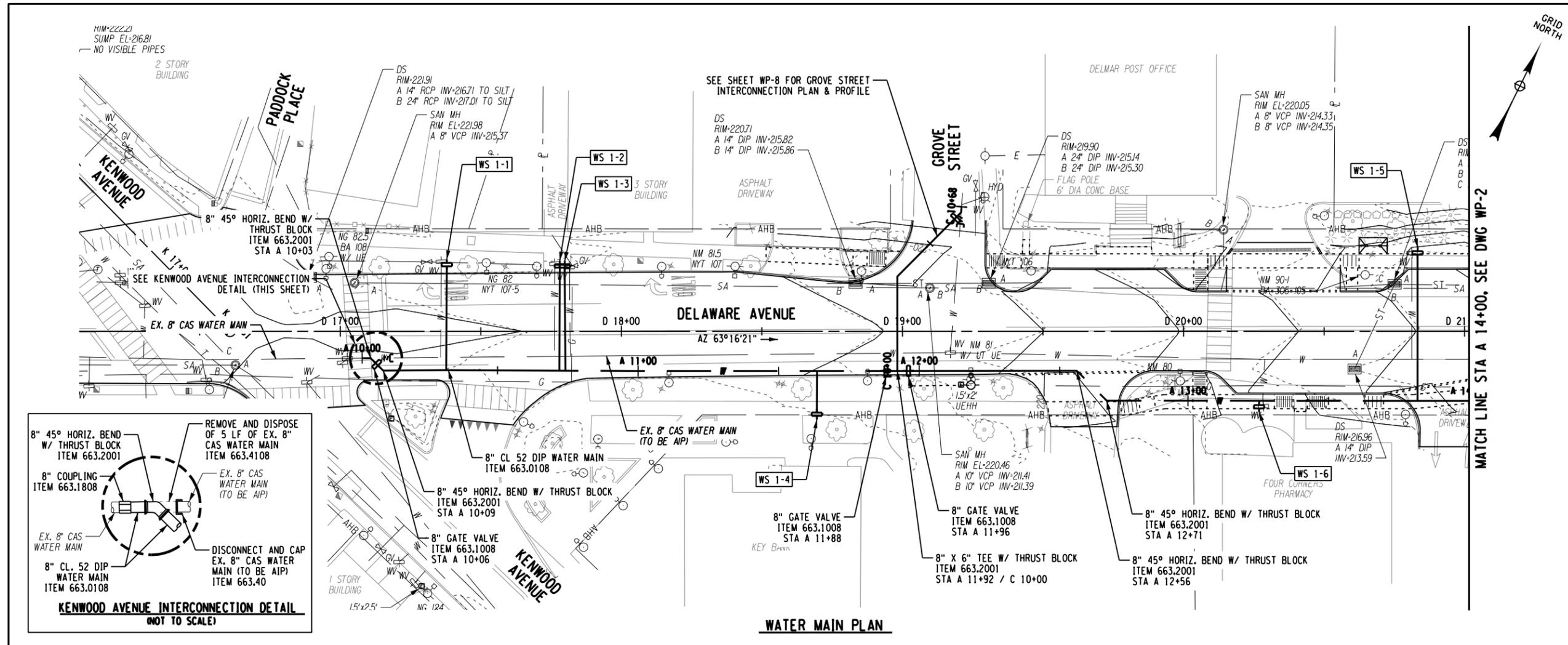
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

No.	Submission / Revision	Appd.	Date

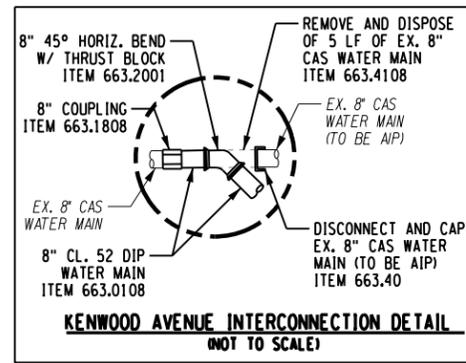
PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

**WATER MAIN
PLAN & PROFILE**
STA A 10+00 TO A 14+00

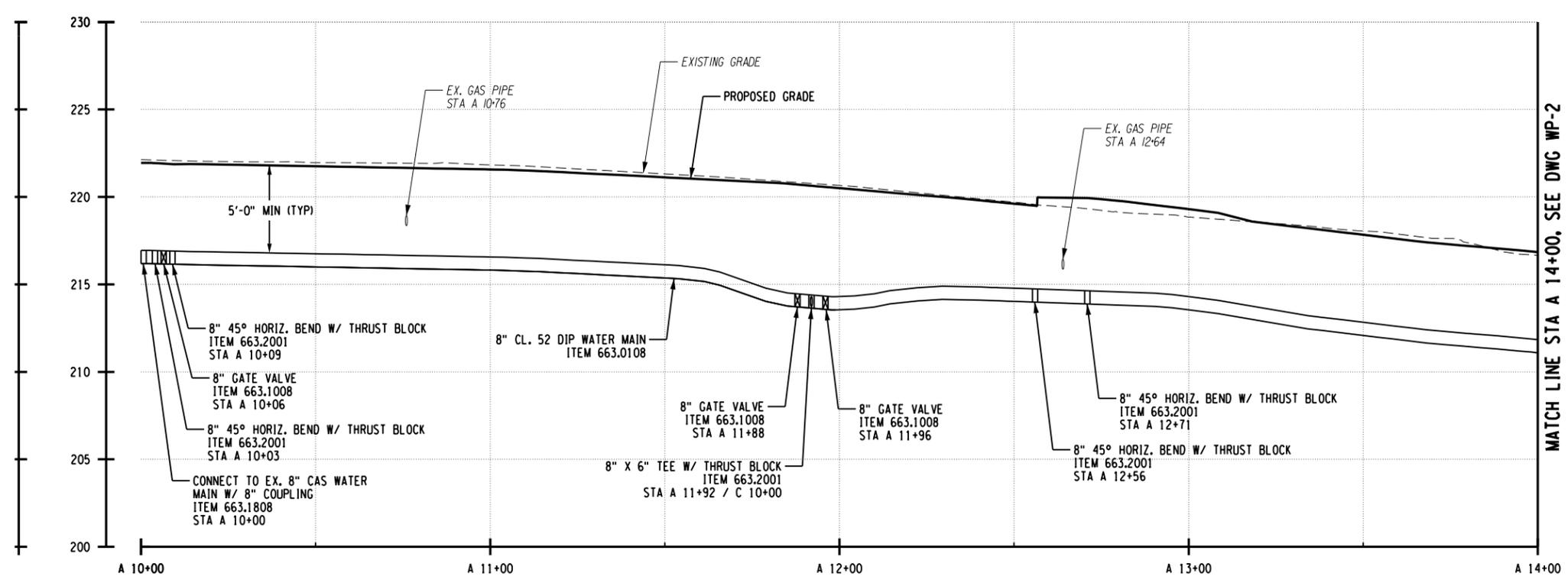
Designed By: DBT	Project No.: 30792	Drawing No.:
Drawn By: DBT	Scale: AS SHOWN	WP-1
Checked By: MBA	Plot Date: 2/14/2017	
		SHEET 106



WATER MAIN PLAN

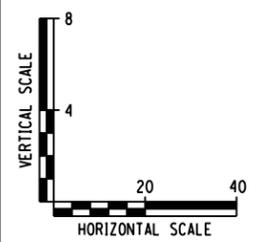


WATER NOTES:
1. SEE SHEET WD-1 FOR WATER SERVICE TABLE AND WATER NOTES.



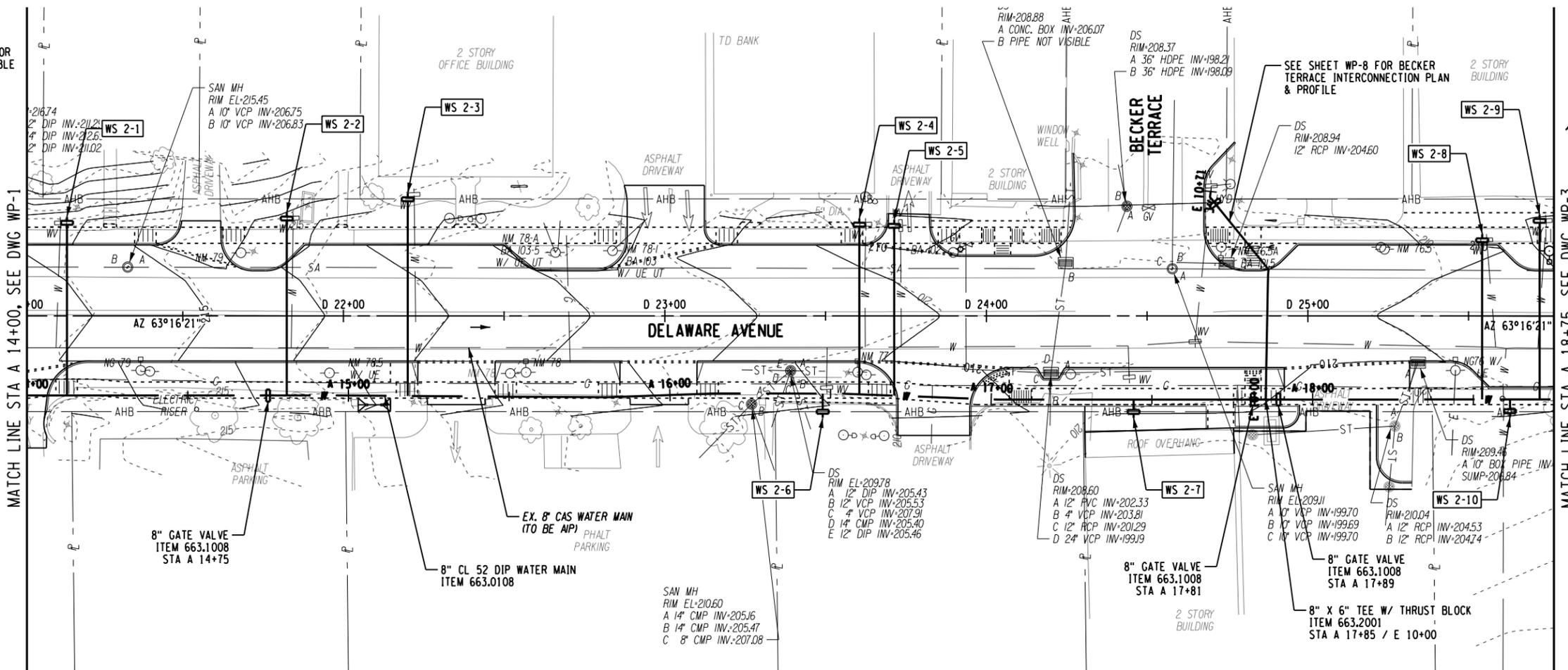
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USER = 5401

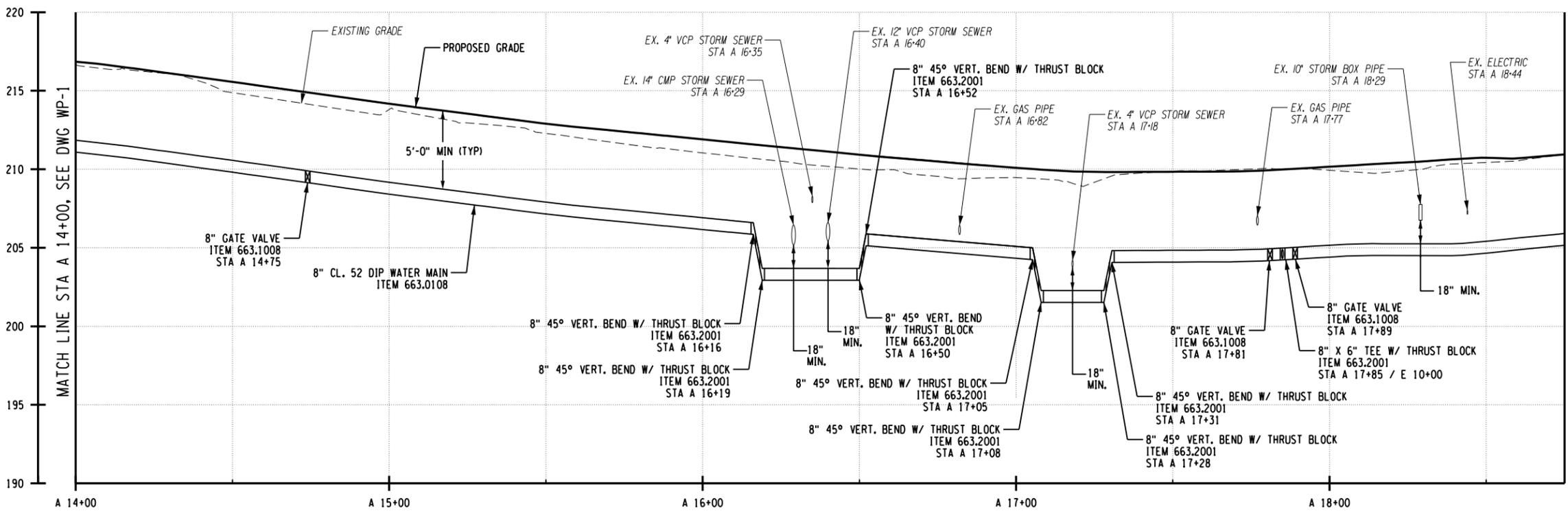


WATER NOTES:

1. SEE SHEET WD-1 FOR WATER SERVICE TABLE AND WATER NOTES.

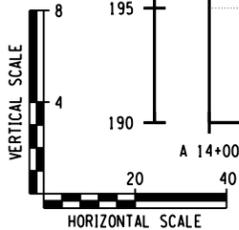


WATER MAIN PLAN



WATER MAIN PROFILE

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DATE/TIME = 2/14/2017
USER = 5401



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

No.	Submittal / Revision	Appd.	Date

PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
TOWN OF BETHLEHEM, ALBANY COUNTY, NY

WATER MAIN PLAN & PROFILE
STA A 14+00 TO A 18+75

Designed By: DBT	Project No.: 30792	Drawing No.:
Drawn By: DBT	Scale: AS SHOWN	WP-2
Checked By: MBA	Plot Date: 2/14/2017	
		SHEET 107



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

No.	Submittal / Revision	Appd.	Date

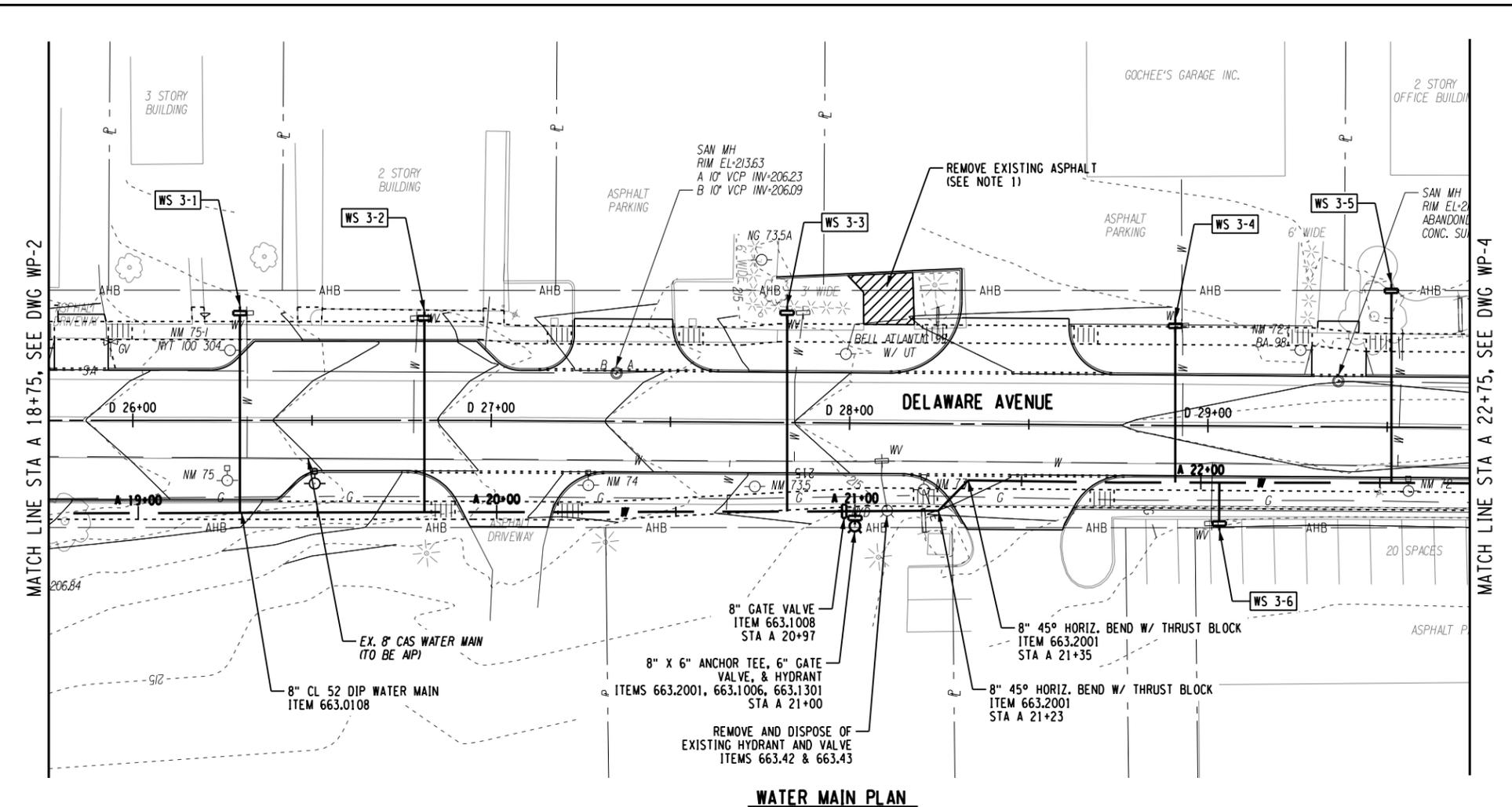
PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
TOWN OF BETHLEHEM, ALBANY COUNTY, NY

WATER MAIN PLAN & PROFILE
STA A 18+75 TO A 22+75

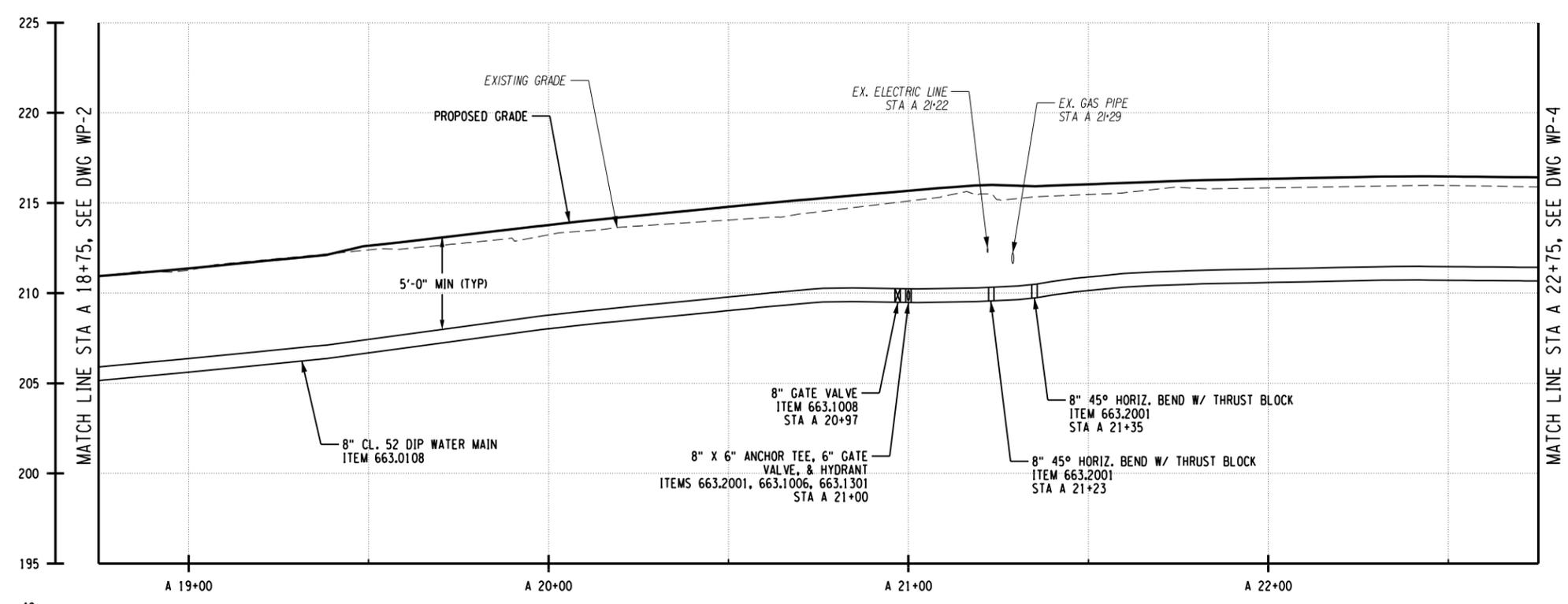
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Drawn By: DBT	Scale: AS SHOWN	
Checked By: MBA	Plot Date: 2/14/2017	SHEET 108



WATER NOTES:
1. SEE SHEET WD-1 FOR WATER SERVICE TABLE AND WATER NOTES.



WATER MAIN PLAN



WATER MAIN PROFILE

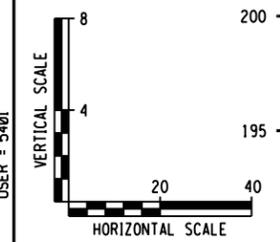
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MATCH LINE STA A 22+75, SEE DWG WP-4

MATCH LINE STA A 18+75, SEE DWG WP-2

MATCH LINE STA A 22+75, SEE DWG WP-4

FILE NAME = V:\Projects\175968\175968\CADD\175968.dgn
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IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

No.	Submittal / Revision	Appd.	Date

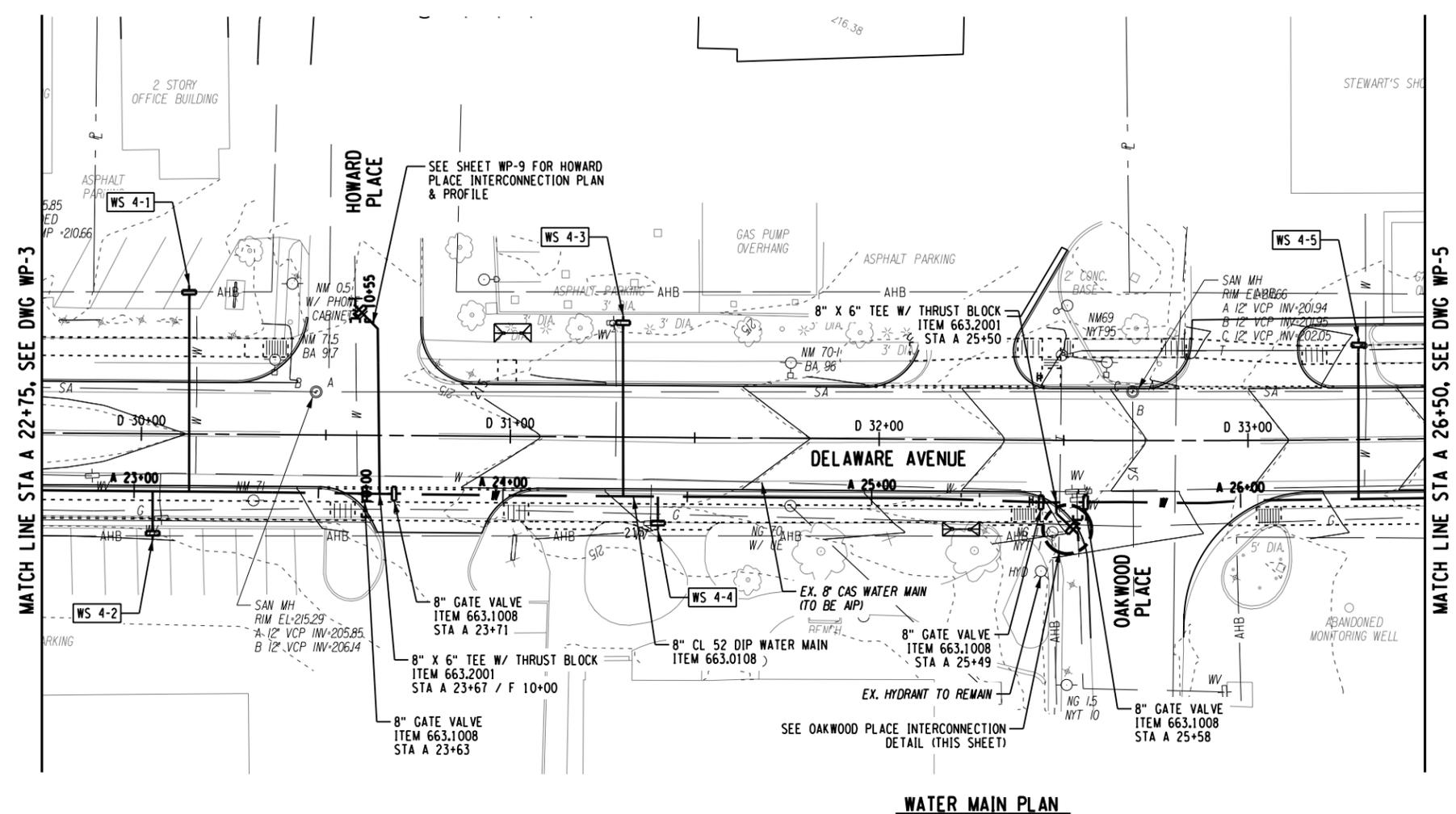
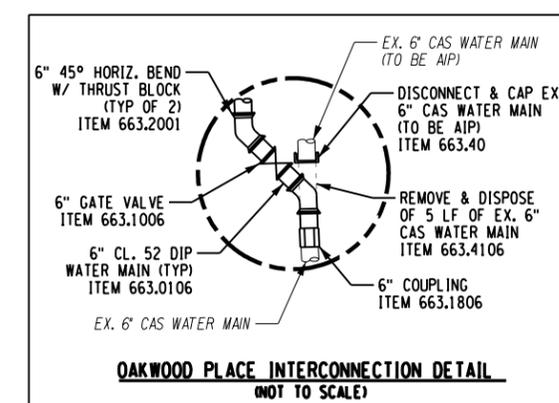
PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
TOWN OF BETHLEHEM, ALBANY COUNTY, NY

WATER MAIN PLAN & PROFILE
STA A 22+75 TO A 26+50

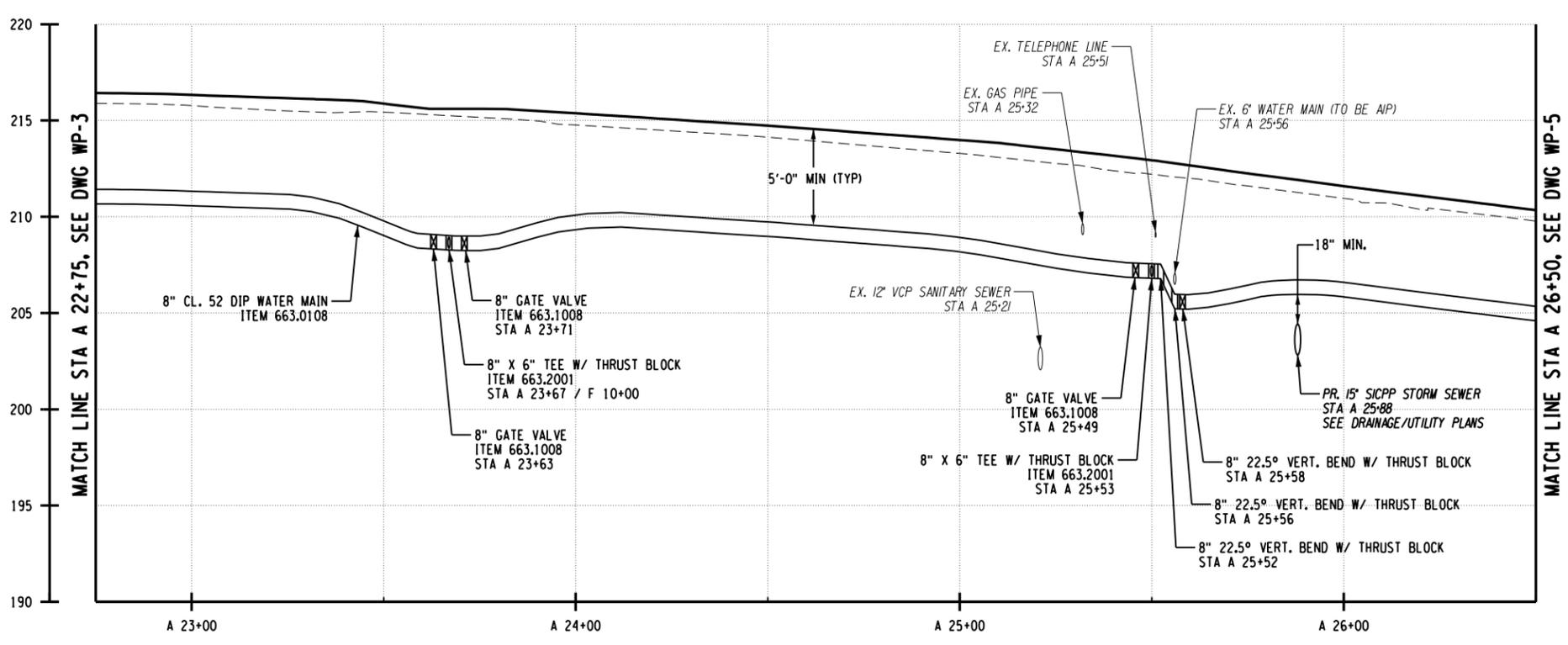
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Drawn By: DBT	Scale: AS SHOWN	WP-4
Checked By: MBA	Plot Date: 2/14/2017	

SHEET 109

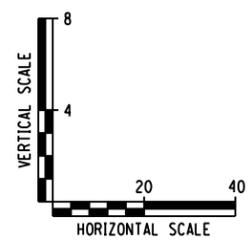
WATER NOTES:
1. SEE SHEET WD-1 FOR WATER SERVICE TABLE AND WATER NOTES.



WATER MAIN PLAN



WATER MAIN PROFILE



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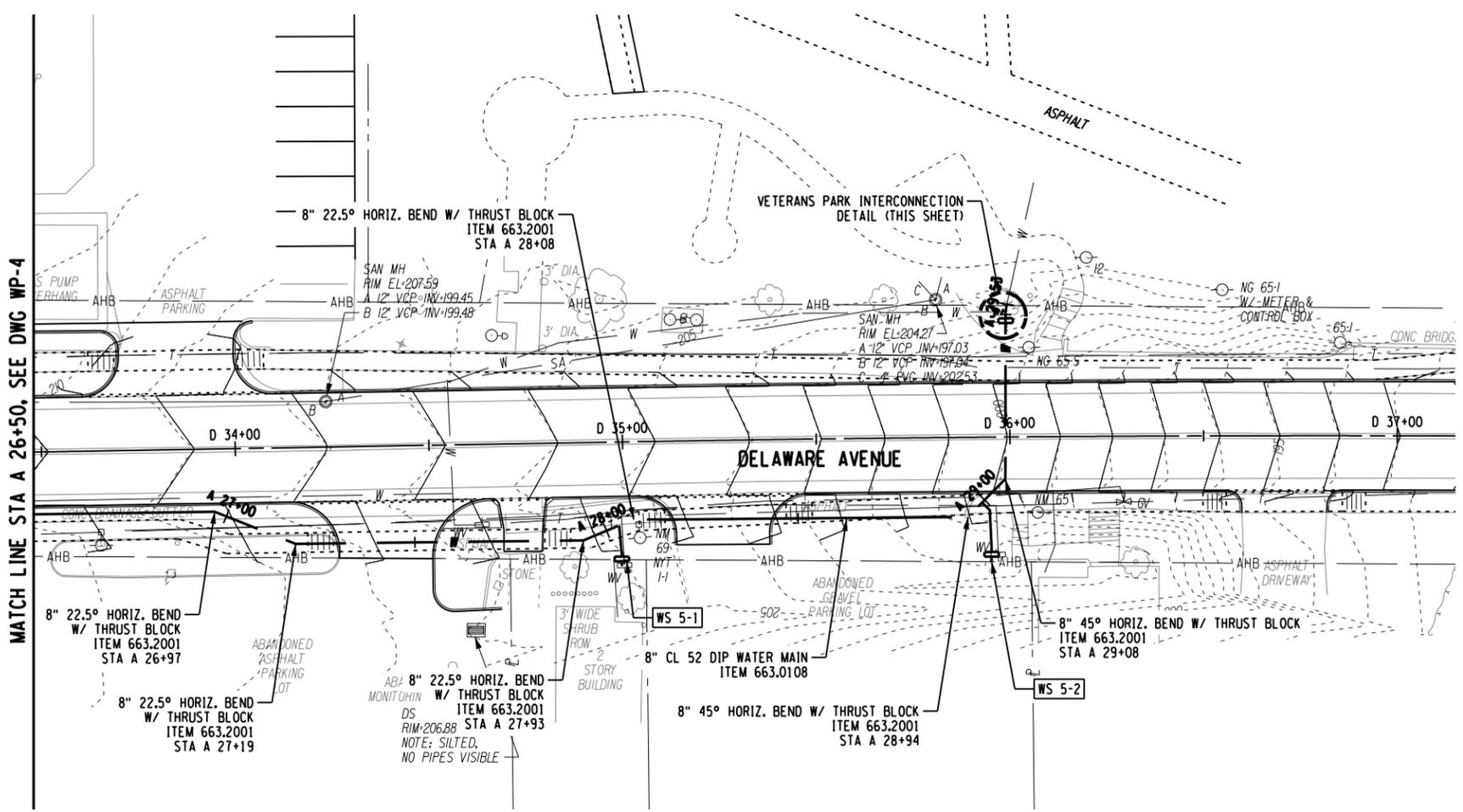
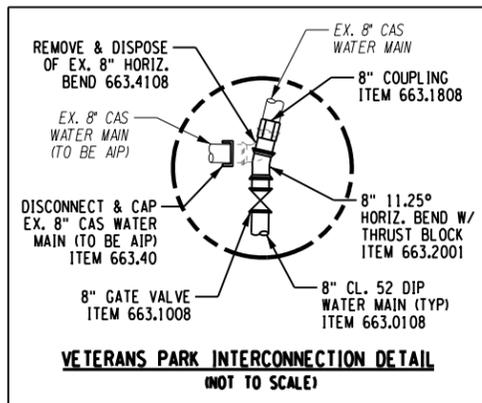
No.	Submittal / Revision	Appd.	Date

PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

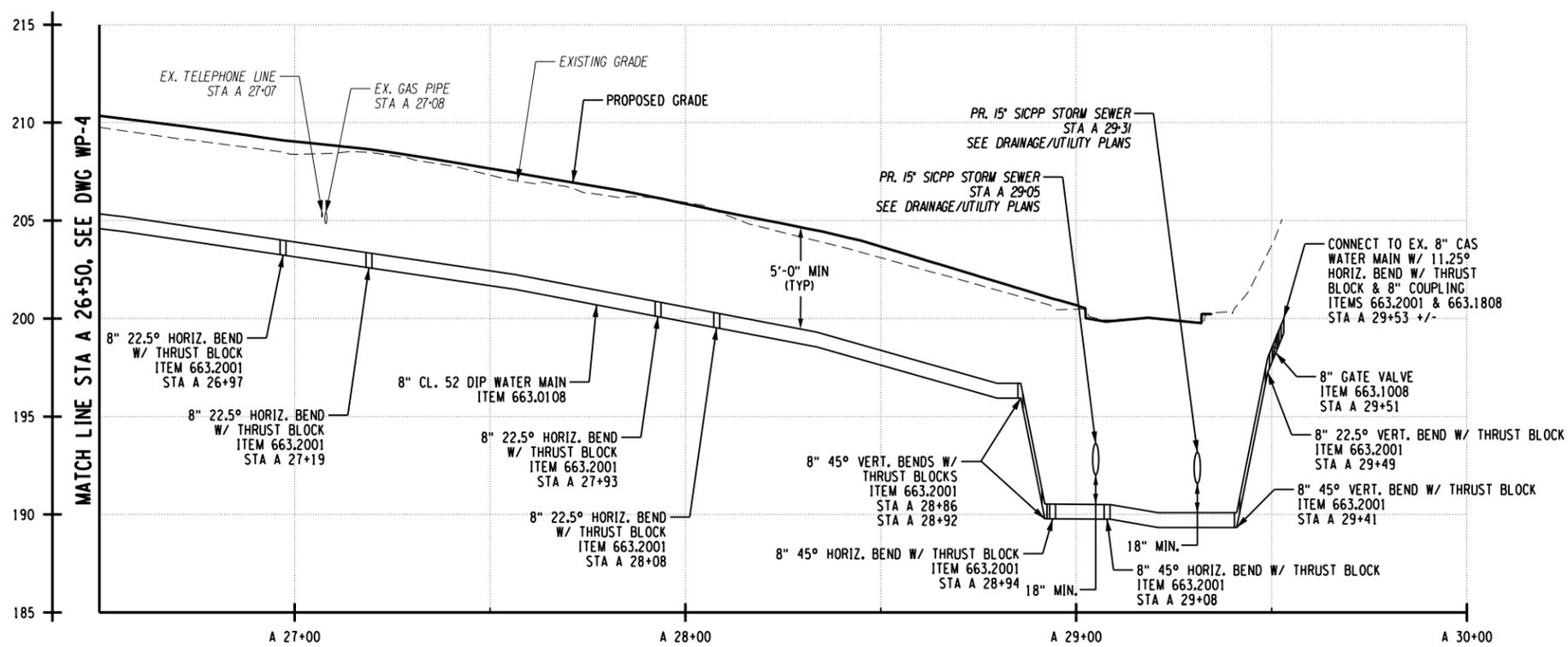
WATER MAIN PLAN & PROFILE STA A 26+50 TO A 29+53

Designed By: DBT	Project No.: 30792	Drawing No.:
Drawn By: DBT	Scale: AS SHOWN	WP-5
Checked By: MBA	Plot Date: 2/14/2017	

WATER NOTES:
1. SEE SHEET WD-1 FOR
WATER SERVICE TABLE
AND WATER NOTES.



WATER MAIN PLAN



WATER MAIN PROFILE

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DATE/TIME = 2/14/2017
USER = 5401



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

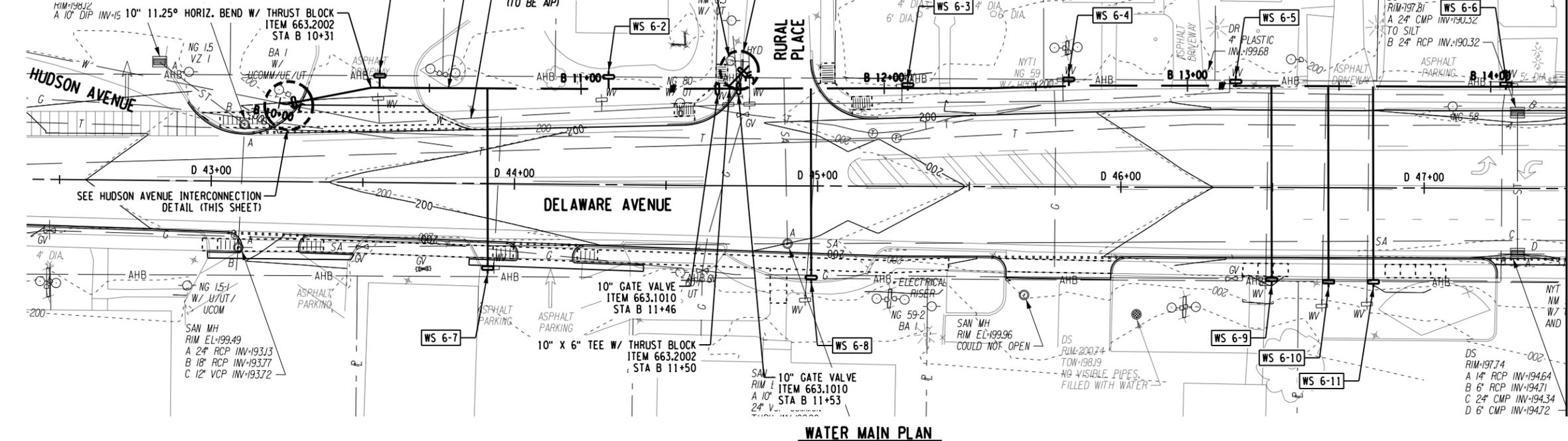
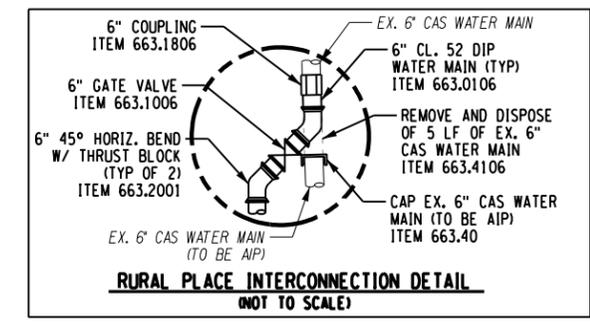
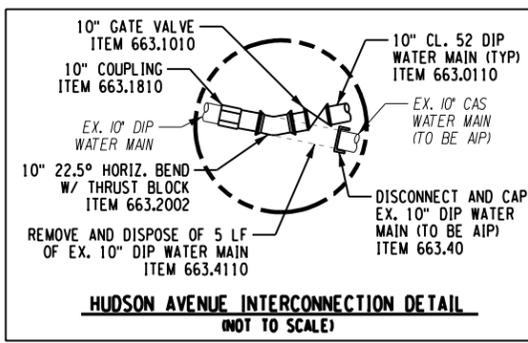
No.	Submittal / Revision	Appd.	Date

PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
TOWN OF BETHLEHEM, ALBANY COUNTY, NY

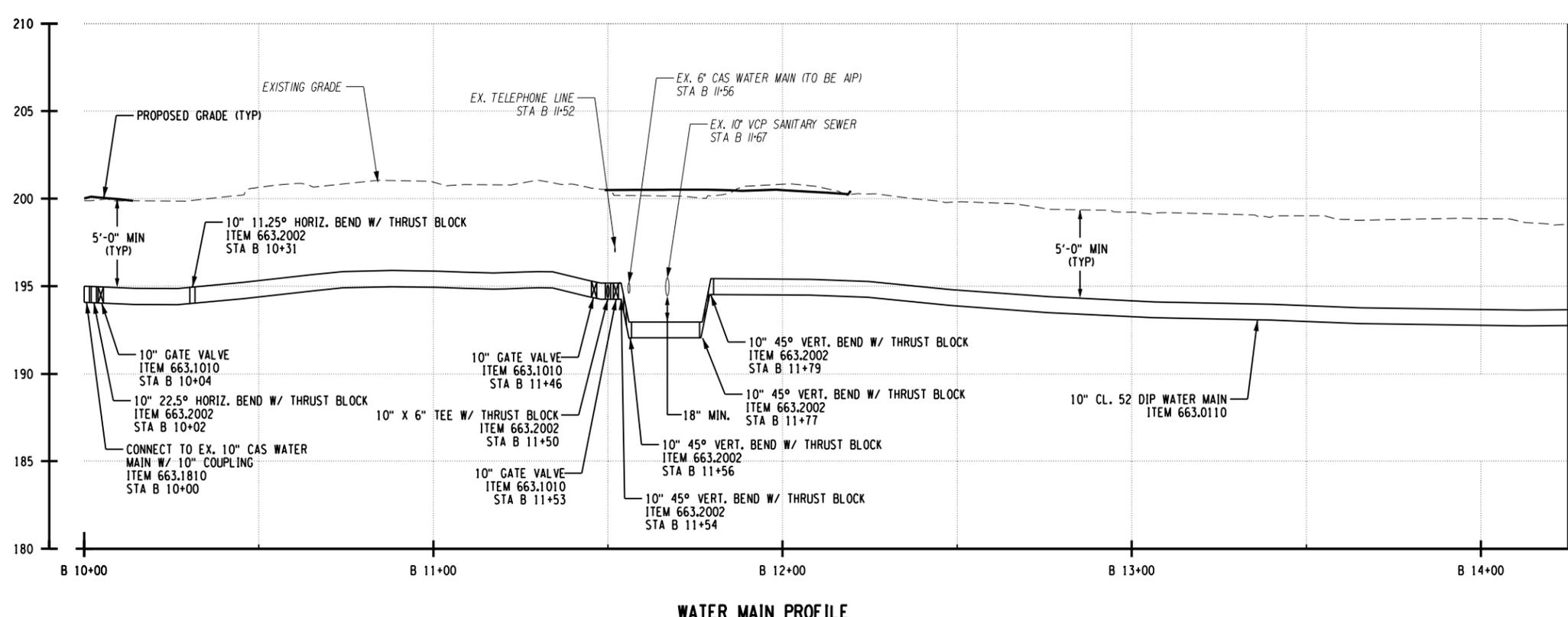
WATER MAIN PLAN & PROFILE
STA B 10+00 TO B 14+25

Designed By: DBT	Project No.: 30792	Drawing No.:
Drawn By: DBT	Scale: AS SHOWN	WP-6
Checked By: MBA	Plot Date: 2/14/2017	

SHEET 111



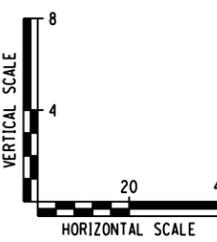
WATER NOTES:
1. SEE SHEET WD-1 FOR WATER SERVICE TABLE AND WATER NOTES.



MATCH LINE STA B 14+25, SEE DWG WP-7

MATCH LINE STA B 14+25, SEE DWG WP-7

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DATE/TIME = 2/14/2017
USER = 5401





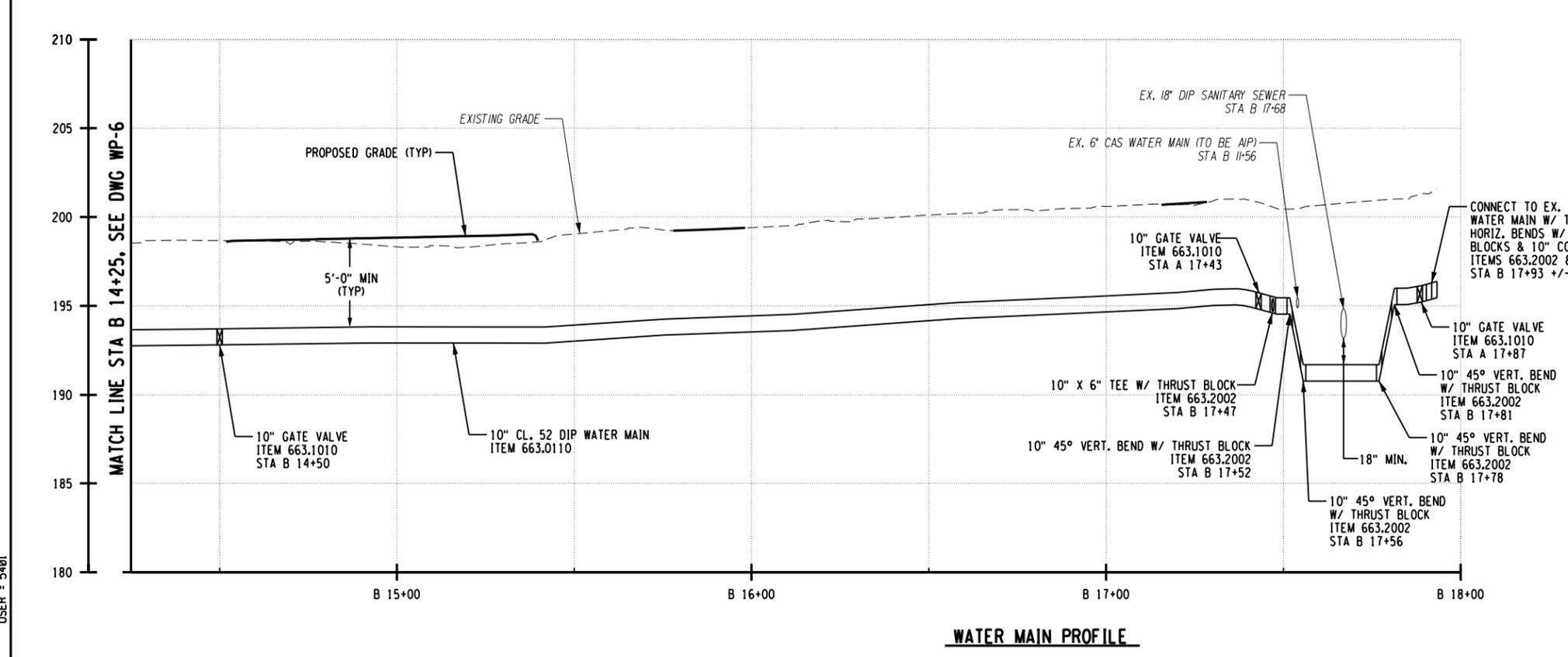
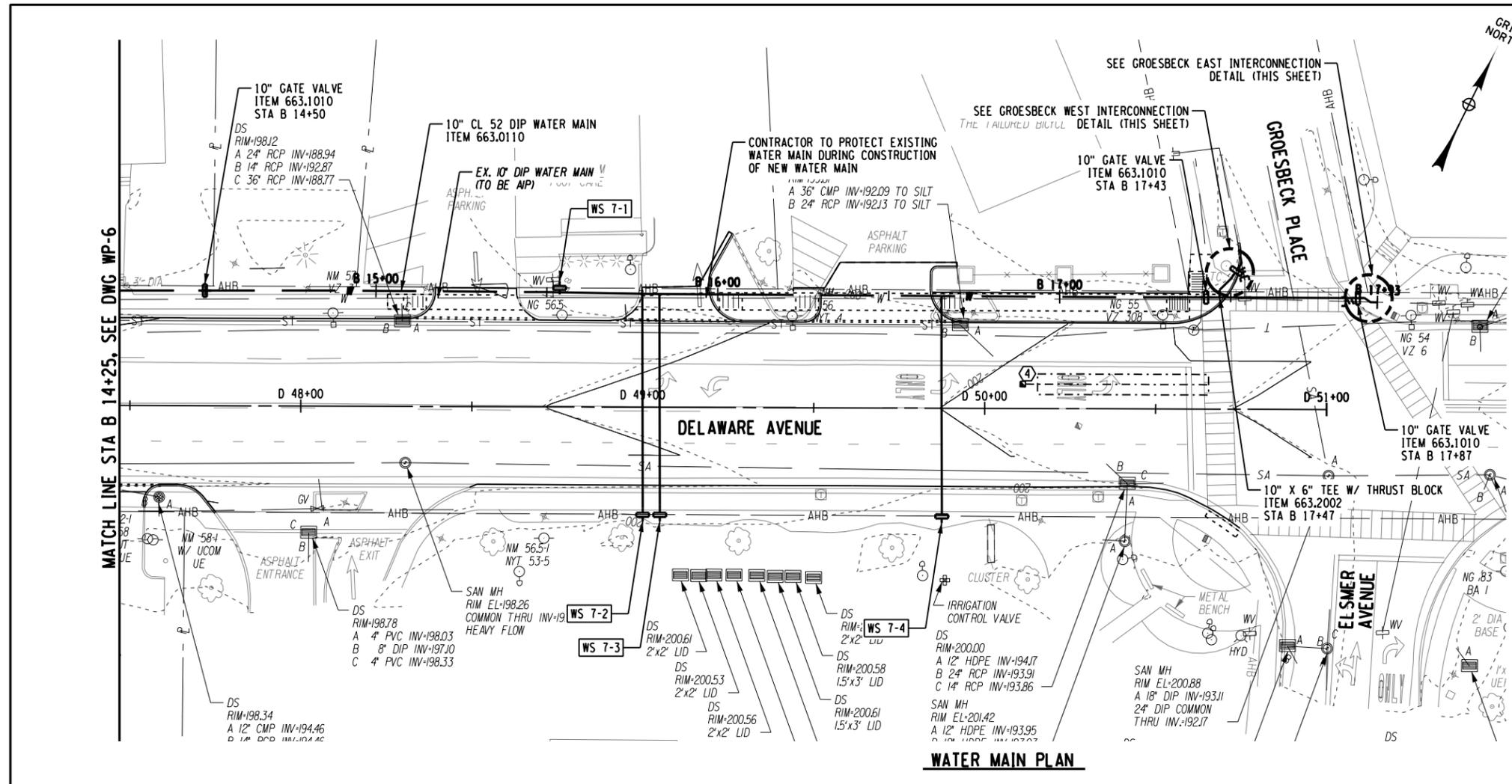
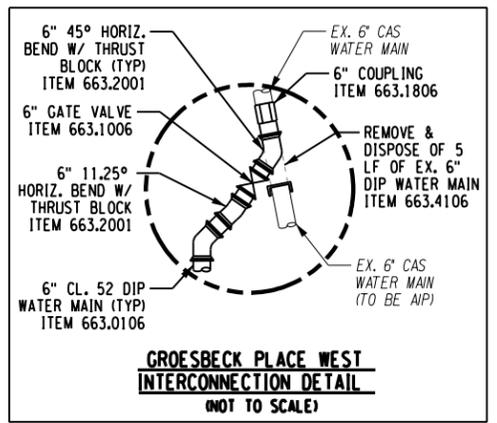
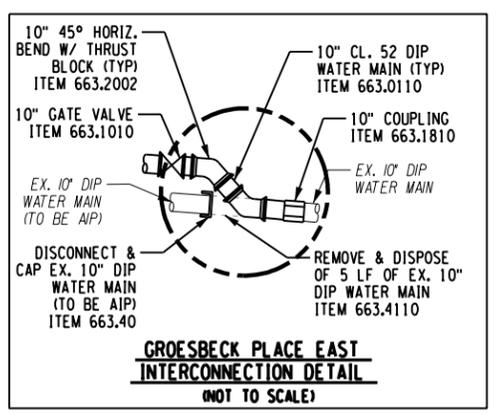
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

No.	Submittal / Revision	Appd.	Date

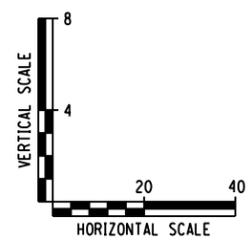
PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
TOWN OF BETHLEHEM, ALBANY COUNTY, NY

WATER MAIN PLAN & PROFILE
STA B 14+25 TO B 17+93

Designed By: DBT	Project No.: 30792	Drawing No.:
Drawn By: DBT	Scale: AS SHOWN	WP-7
Checked By: MBA	Plot Date: 2/14/2017	SHEET 112



WATER NOTES:
1. SEE SHEET WD-1 FOR WATER SERVICE TABLE AND WATER NOTES.



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IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

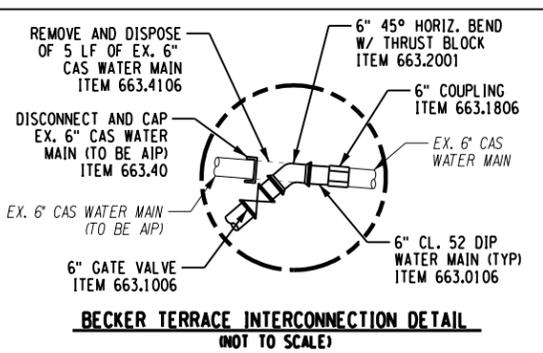
No.	Submission / Revision	Appd.	Date

PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
 TOWN OF BETHLEHEM, ALBANY COUNTY, NY

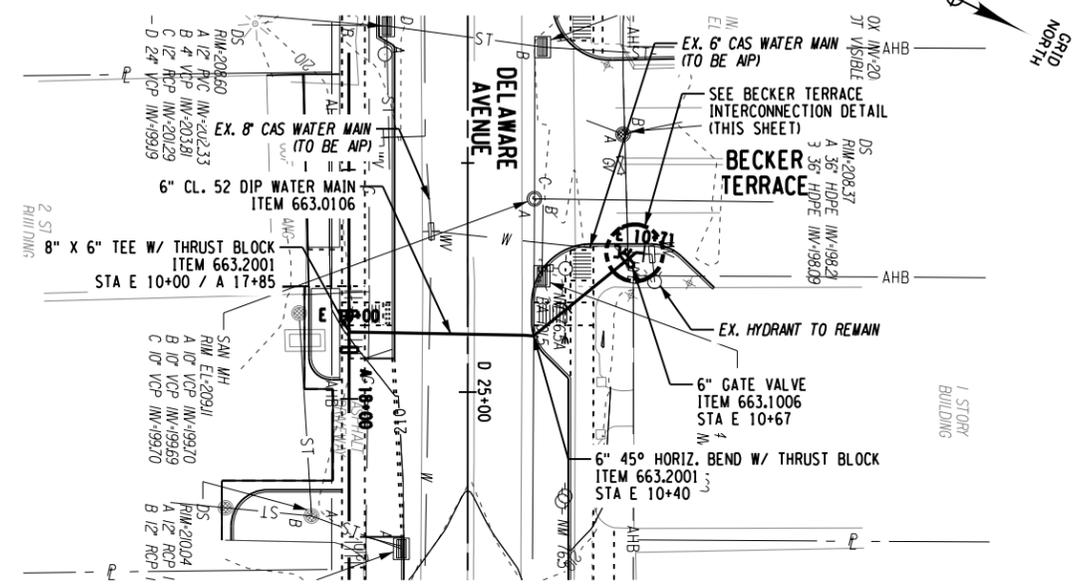
WATER MAIN PLAN & PROFILE INTERCONNECTIONS

Designed By: DBT	Project No.: 30792	Drawing No.:
Drawn By: DBT	Scale: AS SHOWN	WP-8
Checked By: MBA	Plot Date: 2/14/2017	

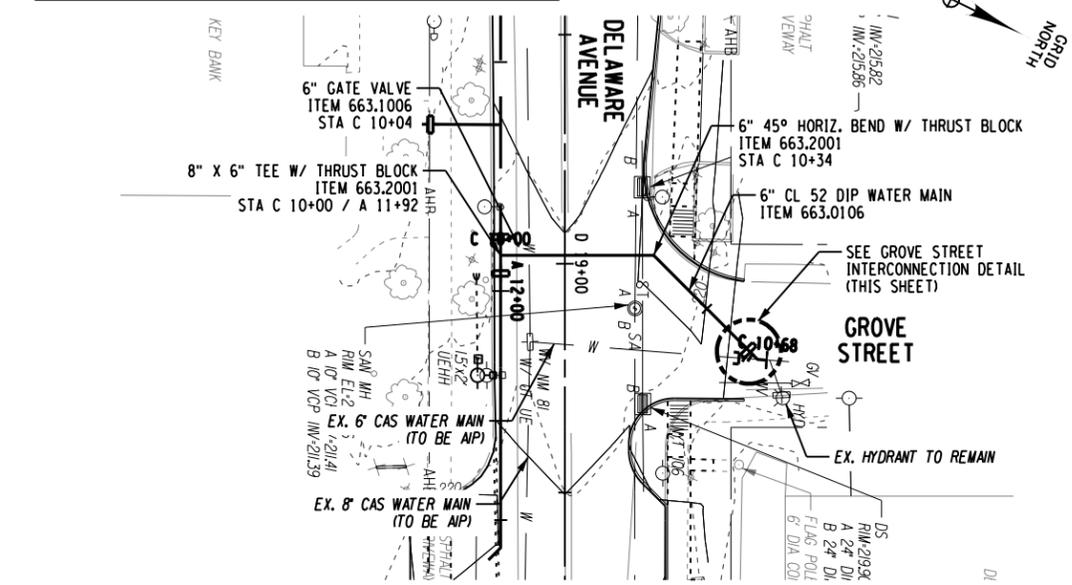
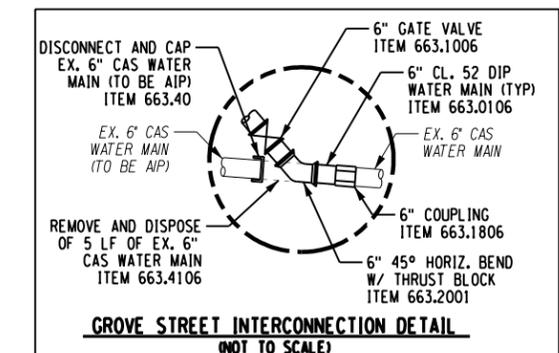
SHEET 113



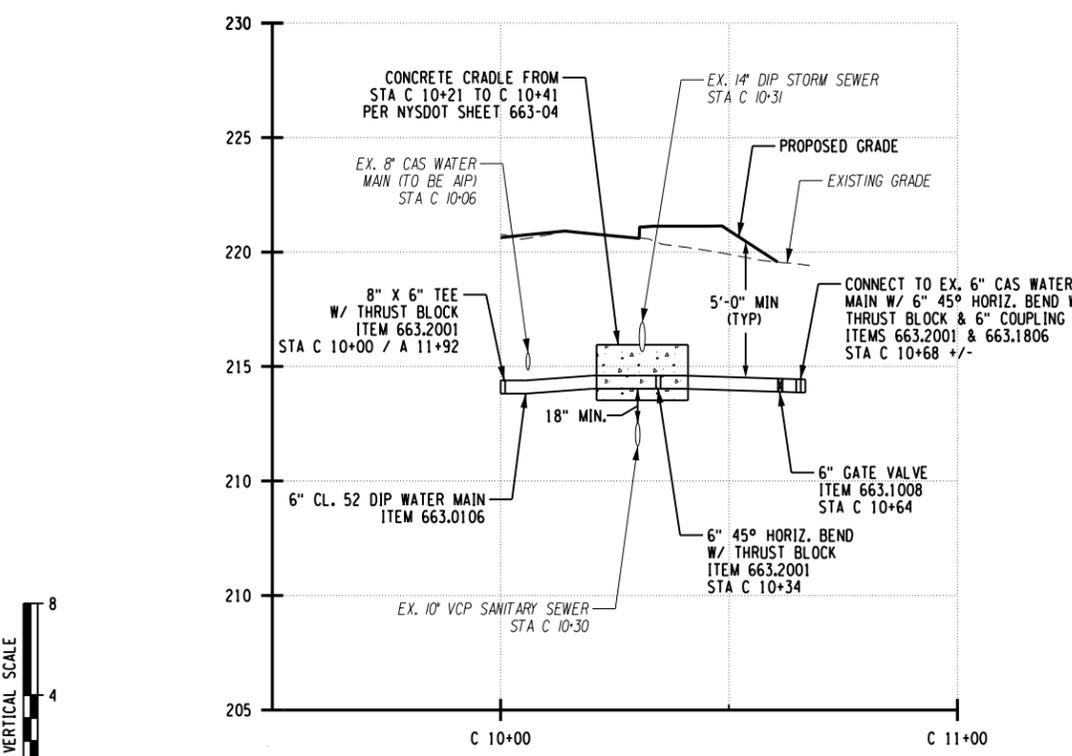
WATER NOTES:
 1. SEE SHEET WD-1 FOR WATER SERVICE TABLE AND WATER NOTES.



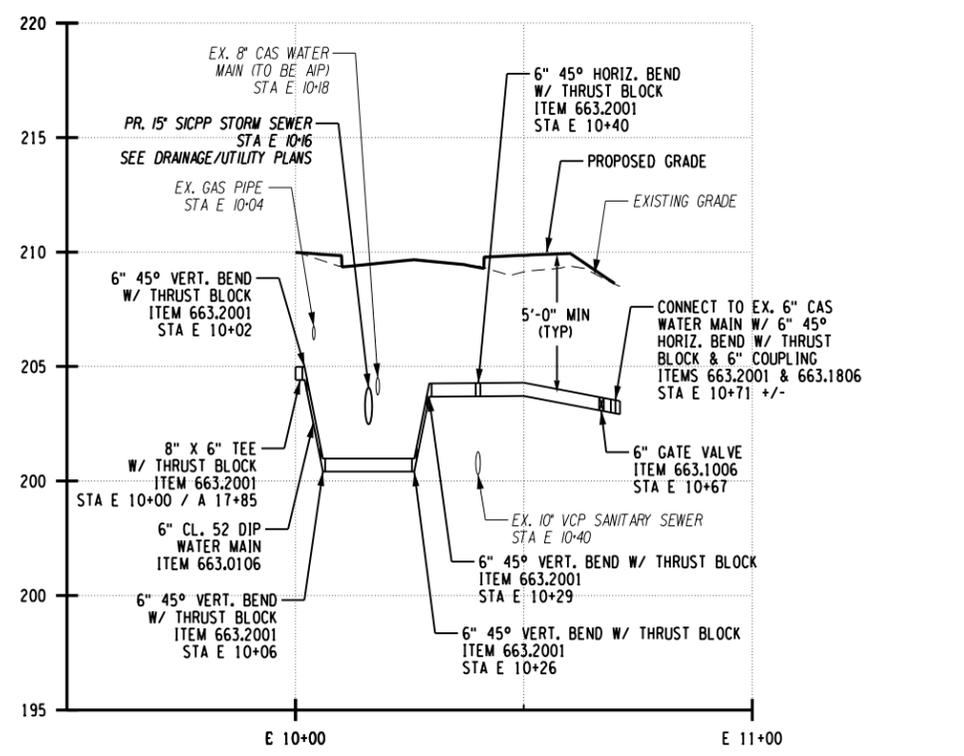
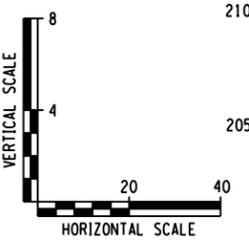
BECKER TERRACE INTERCONNECTION WATER MAIN PLAN



GROVE STREET INTERCONNECTION WATER MAIN PLAN



GROVE STREET INTERCONNECTION WATER MAIN PROFILE



BECKER TERRACE INTERCONNECTION WATER MAIN PROFILE

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 USER = 5401



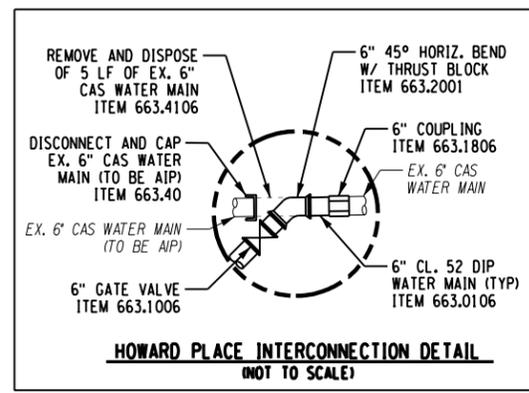
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No.	Submittal / Revision	Appd.	Date

PIN 1759.68
**DELAWARE AVENUE HAMLET
MULTI-MODAL STREETScape
ENHANCEMENTS**
TOWN OF BETHLEHEM,
ALBANY COUNTY, NY

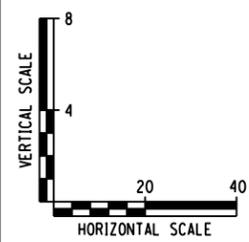
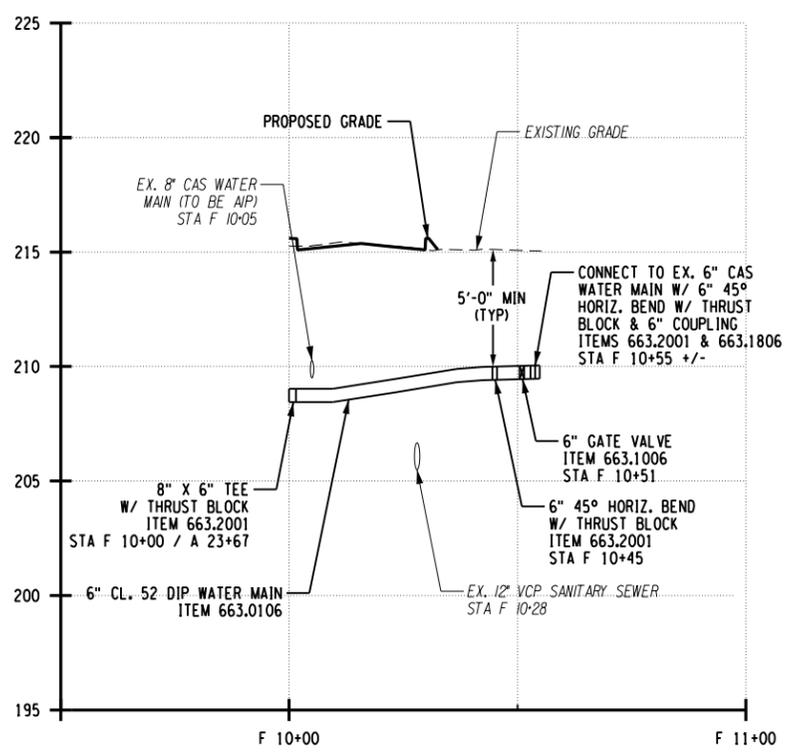
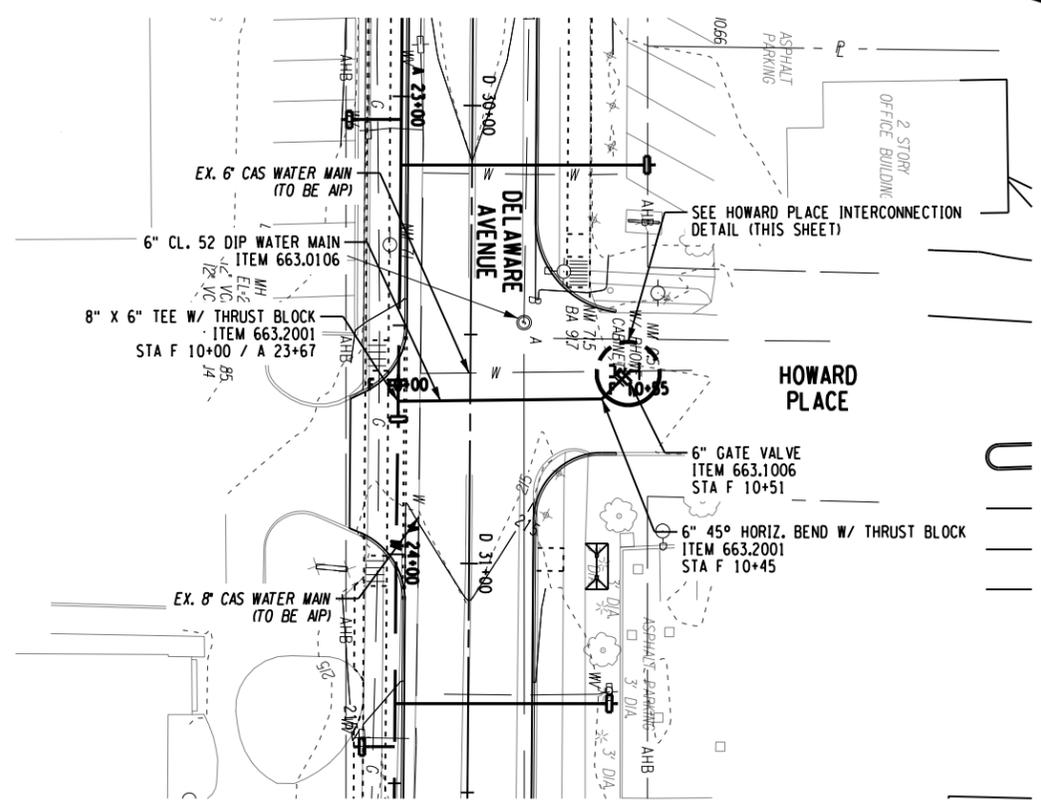
WATER MAIN PLAN & PROFILE INTERCONNECTIONS

Designed By:	Project No.: 30792	Drawing No.:
Drawn By:	Scale:	WP-9
Checked By:	Plot Date: 2/14/2017	
		SHEET 114



WATER NOTES:

- SEE SHEET WD-1 FOR WATER SERVICE TABLE AND WATER NOTES.



FILE NAME = V:\Projects\175968\CADD\175968.dgn
DATE / TIME = 2/14/2017
USER = 5401

ESTIMATE OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	4025.0
203.03	EMBANKMENT IN PLACE	CY	50.0
203.07	SELECT GRANULAR FILL	CY	1851.0
203.25	SAND BACKFILL	CY	250.0
204.01	CONTROLLED LOW STRENGTH MATERIAL (CLSM)	CY	4.0
205.0201	SEGREGATION AND STORAGE OF CONTAMINATED SOIL	LS	1.0
205.03	FIELD ORGANIC VAPOR MONITORING OF CONTAMINATED SOIL	HR	10.0
205.0401	PETROLEUM CONTAMINATION PARAMETER ANALYSIS	EA	5.0
205.0403	LABORATORY ANALYSIS FOR IGNITABILITY	EA	5.0
205.0406	LABORATORY ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS GASOLINE RANGE ORGANICS	EA	5.0
205.0407	LABORATORY ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS DIESEL RANGE ORGANICS	EA	5.0
205.050201	DISPOSAL OF CONTAMINATED HAZARDOUS WASTE SOIL	TON	34.6
206.0201	TRENCH AND CULVERT EXCAVATION	CY	4944.0
206.03	CONDUIT EXCAVATION AND BACKFILL INCLUDING SURFACE RESTORATION	LF	703.0
206.05	TEST PIT EXCAVATION	EA	11.0
304.12	SUBBASE COURSE, TYPE 2	CY	1700.0
402.097203	9.5 F2 TOP COURSE HMA, 70 SERIES COMPACTION	TON	1523.0
402.198903	19 F9 BINDER COURSE HMA, 80 SERIES COMPACTION	TON	487.0
402.378903	37.5 F9 BASE COURSE HMA, 80 SERIES COMPACTION	TON	963.0
407.0102	TACK COAT DILUTED	GAL	2119.0
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF	14642.0
490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY	16837.0
552.17	SHIELDS AND SHORING	SF	89278.0
555.0105	CONCRETE FOR STRUCTURES - CLASS A	CY	5.0
556.0101	UNCOATED STEEL FABRIC REINFORCEMENT FOR STRUCTURES	SY	15.0
556.0201	UNCOATED BAR REINFORCEMENT FOR CONCRETE STRUCTURES	LB	188.0
601.01000018	SURFACE TREATMENT FOR PAVEMENTS TYPE 2, TRAFFIC GRADE	SY	574.0
603.6002	REINFORCED CONCRETE PIPE CLASS III, 15 INCH DIAMETER	LF	60.0
603.77	CONCRETE COLLARS	EA	1.0
603.9815	SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 15 INCH DIAMETER	LF	2012.0
604.070101	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES (SERIALIZED)	EA	26.0
604.301772	RECTANGULAR DRAINAGE STRUCTURE (Q=TYPE) FOR (F2=FRAME)	LF	83.0
604.302122	RECTANGULAR DRAINAGE STRUCTURE (U=TYPE) FOR (F2=FRAME)	LF	5.0

ESTIMATE OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY
604.4060	ROUND PRECAST CONCRETE MANHOLE TYPE 60	LF	48.0
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY	522.0
608.01020005	COLORLED AND IMPRINTED PORTLAND CEMENT CONCRETE SIDEWALK	CY	60.0
608.020102	HOT MIX ASPHALT (HMA) SIDEWALKS, DRIVEWAYS, AND BICYCLE PATHS	TON	170.0
608.10080008	RESETTING BRICK, BLOCK OR FLAGSTONE SIDEWALK OR DRIVEWAYS	SF	145.0
608.21	EMBEDDED DETECTABLE WARNING UNITS	SY	47.0
609.0201	STONE CURB, GRANITE, (TYPE A)	LF	6379.0
609.0401	CAST-IN-PLACE CONCRETE CURB TYPE VF150	LF	1375.0
610.1101	MULCH FOR PLANTING TYPE A, B & D - WOOD CHIPS AND SHREDDED BARK	CY	27.0
610.1403	TOPSOIL - LAWNS	CY	196.0
610.1602	TURF ESTABLISHMENT - LAWNS	SY	1720.0
610.19	WATERING VEGETATION	MGAL	275.0
611.0151	PLANTING - MAJOR DECIDUOUS TREES - 1 3/4 INCH CALIPER BALL & BURLAP, FIELD POTTED OR FIELD BOXED	EA	38.0
611.0231	PLANTING - MINOR DECIDUOUS TREES - 4 FOOT HEIGHT BALL & BUR LAP, FIELD POTTED OR FIELD BOXED	EA	14.0
611.0291	PLANTING - MINOR DECIDUOUS TREES - 1 3/4 INCH CALIPER BALL & BURLAP, FIELD POTTED OR FIELD BOXED	EA	76.0
611.0412	PLANTING - DECIDUOUS SHRUBS - AS SPECIFIED CONTAINER OR BOX GROWN	EA	478.0
611.0611	PLANTING - VINES, GROUNDCOVERS - AS SPECIFIED CONTAINER GROWN	EA	18.0
611.0711	PLANTING - HERBACEOUS PLANTS - AS SPECIFIED CONTAINER GROWN	EA	485.0
614.060304	TREE REMOVAL OVER 12 INCHES TO 18 INCHES DIAMETER BREAST HEIGHT - STUMPS GRUBBED	EA	1.0
614.060404	TREE REMOVAL OVER 18 INCHES TO 24 INCHES DIAMETER BREAST HEIGHT - STUMPS GRUBBED	EA	1.0
614.060504	TREE REMOVAL OVER 24 INCHES TO 36 INCHES DIAMETER BREAST HEIGHT - STUMPS GRUBBED	EA	1.0
614.060604	TREE REMOVAL OVER 36 INCHES TO 48 INCHES DIAMETER BREAST HEIGHT - STUMPS GRUBBED	EA	1.0
615.01010110	LITTER (TRASH) RECEPTACLE	EA	20.0
615.08010005	BENCH, TYPE 1	EA	6.0
615.8001001	RAILING, TYPE 01	LF	220.0
619.01	BASIC WORK ZONE TRAFFIC CONTROL	LS	NEC
619.04	TYPE III CONSTRUCTION BARRICADES	EA	6.0
619.080102	REMOVE PAVEMENT MARKING STRIPES, EPOXY	LF	9122.0
619.080202	REMOVE PAVEMENT MARKING LETTERS OR SYMBOLS, EPOXY	EA	14.0
619.0901	TEMPORARY PAVEMENT MARKINGS STRIPES (TRAFFIC PAINT)	LF	4550.0
619.0903	TEMPORARY PAVEMENT MARKINGS STRIPES (REMOVABLE TAPE)	LF	4550.0
619.100101	INTERIM PAVEMENT MARKINGS, STRIPES, TRAFFIC PAINT	LF	3303.0
619.110512	PORTABLE, VARIABLE MESSAGE SIGN (PVMS) STANDARD SIZE - FULL MATRIX (LED) NO OPTIONAL EQUIPMENT SPEC, CELLULAR COMMUN	EA	4.0

FILE NAME = V:\p\projects\ANY\K\A\30792\CADD\MSTN\175968.cph.eoq.01.dgn
 DATE/TIME = 2/21/2017
 USER = 5128

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No.	Submittal / Revision	Appd.	Date

PIN 1759.68
DELAWARE AVENUE HAMLET MULTI-MODAL STREETScape ENHANCEMENTS
 TOWN OF BETHLEHEM, ALBANY COUNTY, NY

ESTIMATE OF QUANTITIES

Designed By: AMJ	Project No.: 30792	Drawing No.:
Drawn By: MED	Scale: NONE	EOQ-1
Checked By: MTS	Plot Date: 2/21/2017	
		SHEET 115

ESTIMATE OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY
680.72	INDUCTANCE LOOP WIRE	LF	525.0
680.82220110	RECTANGULAR RAPID FLASHING BEACONS (RRFB) SOLAR POWERED WITH BREAKAWAY TRANSFORMER BASE	EA	2.0
685.11	WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS	LF	8529.0
685.12	YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS	LF	5912.0
688.01	WHITE PREFORMED REFLECTORIZED PAVEMENT STRIPES	LF	12582.0
688.03	WHITE PREFORMED REFLECTORIZED PAVEMENT LETTERS	EA	8.0
688.04	WHITE PREFORMED REFLECTORIZED PAVEMENT SYMBOLS	EA	16.0
688.04020005	YIELD LINE SYMBOLS - LARGE	EA	8.0
697.03	FIELD CHANGE PAYMENT (FCP)	DC	136000.0
698.04	ASPHALT PRICE ADJUSTMENT (LUMP SUM) [CALCULATED IN ESTIMATOR]	DC	6400.0
698.05	FUEL PRICE ADJUSTMENT (LUMP SUM) [CALCULATED IN ESTIMATOR]	DC	3200.0
699.040001	MOBILIZATION	LS	NEC

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No.	Submittal / Revision	Appd.	Date

PIN 1759.68
**DELAWARE AVENUE HAMLET
 MULTI-MODAL STREETScape
 ENHANCEMENTS**
 TOWN OF BETHLEHEM,
 ALBANY COUNTY, NY

**ESTIMATE OF
 QUANTITIES**

Designed By: AMJ	Project No.: 30792	Drawing No.: EOQ-3
Drawn By: MED	Scale: NONE	
Checked By: MTS	Plot Date: 2/21/2017	SHEET 117