

CORRIDOR IMPROVEMENTS MAIN STREET & ANCILLARY STREETS VILLAGE OF COLD SPRING PUTNAM COUNTY, NEW YORK

P.I.N. 8759.53 & 8760.04
LOCALLY ADMINISTERED FEDERAL AID PROJECT

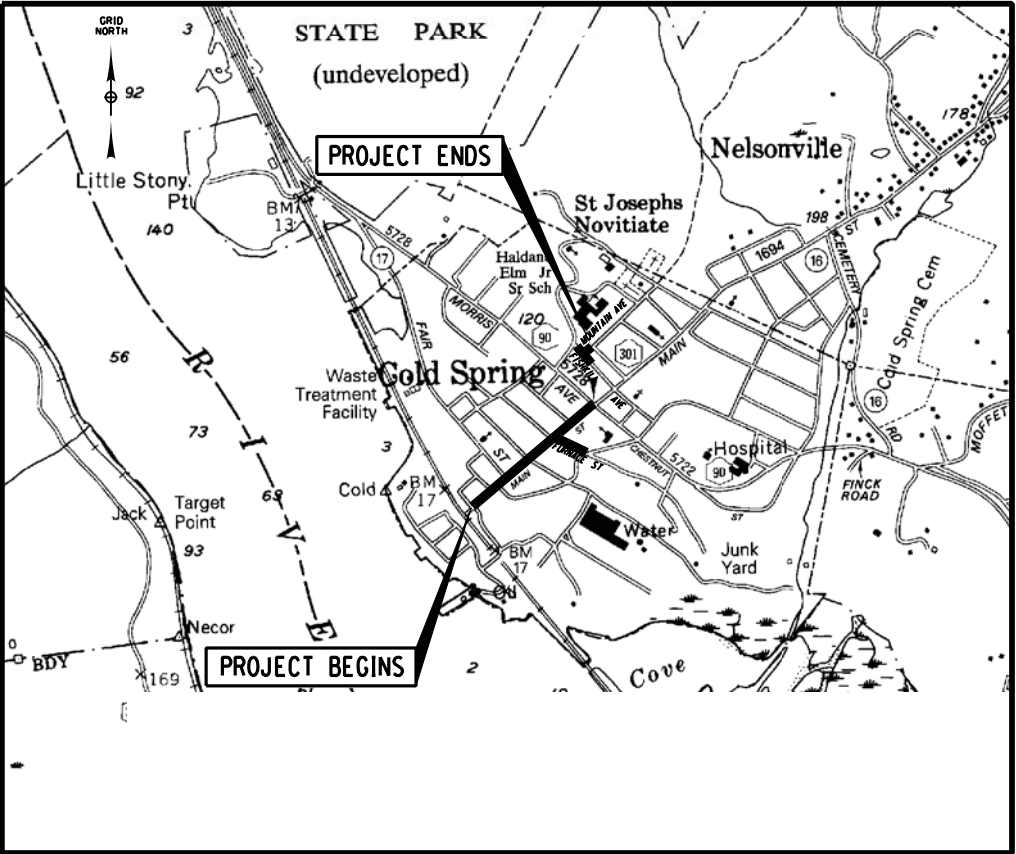
PROJECT LOCATION:

THE PROPOSED PROJECT IS ON MAIN STREET, FURNACE STREET AND THE MOUNTAIN AVENUE AND FISHKILL AVENUE INTERSECTION IN THE VILLAGE OF COLD SPRING, NEW YORK IN PUTNAM COUNTY. THE PROJECT BEGINS ON THE EAST SIDE OF THE METRO NORTH RAILROAD TRACKS AND CONTINUES EASTERLY FOR APPROXIMATELY 0.28 MILES.

WORK DESCRIPTION

THE PROPOSED PROJECT INCLUDES SIDEWALK RECONSTRUCTION AND ADA COMPLIANT RAMPS ALONG MAIN STREET FROM DEPOT SQUARE TO HIGH STREET. THE PROJECT INCLUDES FULL DEPTH RECONSTRUCTION OF FURNACE STREET FROM MAIN STREET TO WALL STREET.

BID ALTERNATE #1 INCLUDES THE FULL DEPTH RECONSTRUCTION OF THE MOUNTAIN AVENUE AND FISHKILL AVENUE INTERSECTION.



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 (US CUSTOMARY) OFFICIALLY FINALIZED AND ADOPTED ON SEPTEMBER 01, 2015 AS POSTED ON THE NYSDOT'S WEBSITE.

CONTRACT PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH NYSDOT POLICIES AND GUIDELINES AND THE FINAL DESIGN REPORT APPROVED ON MARCH 10, 2015

INDEX ON SHEET 2

PREPARED BY:

MANUEL T. SALORIO JR., P.E.
VICE PRESIDENT
CHA, INC.
N.Y.S. P.E. NO. 076997

11/24/15
DATE

APPROVED BY:

DAVE MERANDY MAYOR
VILLAGE OF COLD SPRING

11/24/15
DATE



VILLAGE OF COLD SPRING
PUTNAM COUNTY, N.Y.

DECEMBER 2015

CHA PROJECT NO.: 21204

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| ALIGNMENT | | TOPOGRAPHY (MISCELLANEOUS) | | UTILITIES | |
|-----------------------|-------------------------------------|----------------------------|--------------------------------|---|--|
| ABBR. | DESCRIPTION | ABBR. | DESCRIPTION | ABBR. | DESCRIPTION |
| AH | AHEAD | ABUT | ABUTMENT | E | ELECTRIC |
| AZ | AZIMUTH | AOBE | AS ORDERED BY ENGINEER | EMH | ELECTRIC MANHOLE |
| BK | BACK | ASPH | ASPHALT | G | GAS |
| BL | BASELINE | BDY | BOUNDARY | GP | GUY POLE |
| BRC | BEARING | BLDG | BUILDING | GSB | GAS SERVICE BOX (HOUSE LINE) |
| CL | CENTERLINE | BM | BENCH MARK | GV | GAS VALVE (MAIN LINE) |
| CS | CURVE TO SPIRAL | CC | CENTER TO CENTER | HYD | HYDRANT |
| e | SUPERELEVATION RATE (CROSS SLOPE) | CONC | CONCRETE | LP | LIGHT POLE |
| EQ | EQUALITY | CONST | CONSTRUCTION | LPG | LOW PRESSURE GAS |
| EXT | EXTERNAL | CR | COUNTY ROAD | PP | POWER POLE |
| HCL | HORIZONTAL CONTROL LINE | D | DEED DISTANCE | SA | SANITARY SEWER |
| HSD | HEADLIGHT SIGHT DISTANCE | DM | DIRECT MEASUREMENT | SMH | SANITARY MANHOLE |
| L | LENGTH OF CIRCULAR CURVE | DWY | DRIVEWAY | ST | STORM SEWER |
| LS | LENGTH OF SPIRAL | EP | EDGE OF PAVEMENT | T | TELEPHONE |
| LVC | LENGTH OF VERTICAL CURVE | ES | EDGE OF SHOULDER | TCB | TRAFFIC CONTROL BOX |
| E | CENTER CORRECTION OF VERTICAL CURVE | FEE | FEE ACQUISITION | TELBOX | TELEPHONE BOX |
| M | MAIN LINE | FEE WO/A | FEE ACQUISITION WITHOUT ACCESS | TEL P | TELEPHONE POLE |
| PC | POINT OF CURVATURE | FP | FENCE POST | TMH | TELEPHONE MANHOLE |
| PI | POINT OF INTERSECTION | FD | FOUNDATION | CTV | CABLE TELEVISION |
| POL | POINT ON LINE | FL | FENCE LINE | W | WATER |
| PSD | PASSING SIGHT DISTANCE | GAR | GARAGE | WSB | WATER SERVICE BOX (HOUSE LINE) |
| PT | POINT OF TANGENT | GR | GRAVEL | WV | WATER VALVE (MAIN LINE) |
| PVC | POINT OF VERTICAL CURVE | HO | HOUSE | SUBSURFACE EXPLORATION | |
| PVI | POINT OF VERTICAL INTERSECTION | HWY | HIGHWAY | | |
| PVT | POINT OF VERTICAL TANGENT | IP | IRON PIN OR IRON PIPE | | |
| R | RADIUS | MB | MAILBOX | | |
| SC | SPIRAL TO CURVE | MON | MONUMENT | ABBR. | DESCRIPTION |
| SSD | STOPPING SIGHT DISTANCE | N&W | NAIL AND WASHER | REPLACE ABBREVIATION "AB" WITH: | |
| ST | SPIRAL TO TANGENT | OG | ORIGINAL GROUND | AH | HAND AUGER |
| STA | STATION | O/H | OVERHEAD | CP | CONE PENTROMETER |
| T | TANGENT LENGTH | P | PARCEL | DA | 2 1/4 INCHES CASED DRILL HOLE |
| TGL | THEORETICAL GRADE LINE | PAV'T | PAVEMENT | DM | DRILLING MUD |
| TS | TANGENT TO SPIRAL | PE | PERMANENT EASEMENT | DN | 4 INCHES CASED DRILL HOLE |
| VC | VERTICAL CURVE | PED POLE | PEDESTRIAN POLE | FH | HOLLOW FLIGHT AUGER |
| TOPOGRAPHY (DRAINAGE) | | P | PROPERTY LINE | PA | POWER AUGER |
| | | POR | PORCH | PH | PROBE |
| ABBR. | DESCRIPTION | RR | RAILROAD | PT | PERCOLATION TEST HOLE |
| BB | BOTTOM OF BANK (STREAM) | RTE | ROUTE | RP | 1 INCH SAMPLER (RETRACTABLE PLUG) |
| BC | BOTTOM OF CURB | ROW | RIGHT OF WAY | TO BE DEFINED AT THE TIME OF EXPLORATION | |
| BO | BOTTOM OF OPENING | RW | RETAINING WALL | SP | SEISMIC POINT |
| CAP | CORRUGATED ALUMINUM PIPE | SH | STATE HIGHWAY | TP | TEST PIT |
| CB | CATCH BASIN | SHLDR | SHOULDER | ABBREVIATION "C" IN CATEGORIES: DA, DM, DN, AND FH WITH: | |
| CIP | CAST IRON PIPE | SPK | SPIKE | B | BRIDGE |
| CL STRM | CENTERLINE OF STREAM | ST | STREET | C | CUT |
| CMP | CORRUGATED METAL PIPE | STK | STAKE | D | DAM |
| CP | CONCRETE PIPE | STY | STORY | F | FILL |
| CSP | CORRUGATED STEEL PIPE | SW | SIDEWALK | K | CULVERT |
| CULV | CULVERT | TE | TEMPORARY EASEMENT | W | WALL |
| DIA | DIAMETER | TO | TEMPORARY OCCUPANCY | X | TO BE USED IF ONE OF THE ABOVE CANNOT BE DEFINED AT THE TIME THE EXPLORATION IS MADE |
| DMH | DRAINAGE MANHOLE | U/G | UNDERGROUND | | |
| DS | DRAINAGE STRUCTURE PIPE | WW | WING WALL | | |

| STANDARD SYMBOL (PLANS) | ITEM PAYMENT UNIT: ESTIMATE OF QUANTITIES SHEET | EQUIVALENT NOMENCLATURE: (SPECS/PROPOSAL) |
|-------------------------|---|---|
| " | - | INCHES |
| ' | LF | LINEAR FEET |
| mi | MI | MILES |
| ft ² | SF | SQUARE FEET |
| YD ² | SY | SQUARE YARD |
| AC | AC | ACRES |
| YD ³ | CY | CUBIC YARD |
| GAL | GAL | GALLON |
| lb | LB | POUND |
| TON | TON | TON |

[illegible]

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.

FILE NAME = U:\21204\ACADD\MSTN\21204_cph leg.02.dgn
DATE/TIME = 11/23/2015
USER = 3170

| ALIGNMENT | | | DRAINAGE | | | ITS | | | ROW MAPPING | | | TRAFFIC CONTROL | | | UTILITIES | | |
|-----------|---------|------------------------------|---------------|----------|---|-------------|----------|--------------------------------|-----------------|----------|----------------------------|-------------------|-----------|---|-----------|---------|-------------------------|
| CELL | NAME | DESCRIPTION | CELL | NAME | DESCRIPTION | CELL | NAME | DESCRIPTION | CELL | NAME | DESCRIPTION | CELL | NAME | DESCRIPTION | CELL | NAME | DESCRIPTION |
| | ACC | CENTER OF CURVATURE | | DINV | INVERT | | ICNTLCAB | CONTROLLER CABINET | | MJCP | PT., JURIS. CITY | | TCBJ | BOX, JUNCTION | | UGMH | GAS, MANHOLE |
| | ACOGO | COGO | | DS | STRUCTURE, RECTANGULAR | | ICPB | COMMUNICATION PULL BOX | | MPBC | PT., BUILDING CORNER | | TCBP | BOX, PULL BOX | | UGLM | GAS, LINE MARKER |
| | ACS | CURVE TO SPIRAL | | DSI | STRUCTURE, INVERT | | ICTD | CONDUIT TURNING DOWN | | MPCC | PT., CROSS CUT | | TCBS | BOX, SPLICE | | UGP | GAS/FUEL PUMP |
| | ADPI.P | DETOUR, POINT OF INTERSECT. | | DSM | STRUCTURE, MANHOLE | | ICTU | CONDUIT TURNING UP | | MPDH | PT., DRILL HOLE | | TCMC | MICROCOMPUTER CABINET | | UGV | GAS, VALVE |
| | ADPL.P | DETOUR, POINT ON LINE | | DSMTXX.P | STRUCTURE, MANHOLE, TYPE "XX" "XX" = 48, 60, 72, 96 | | ICVTRT | COMM. VEH. ROAD TRANSCEIVER | | MPF | PT., FENCE LOCATION | | TCPP | PED POLE | | UGVT | GAS, VENT |
| | AEQN | EQUATION | | DSR | STRUCTURE, ROUND | | IDEFAULT | DEFAULT | | MPIP | PT., IRON PIPE | | TCSH | SIGNAL HEADS | | ULP | LIGHTING, POLE |
| | AEQNAHD | EQUATION AHEAD | | DST | STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R | | IEZR | E-ZPASS READER | | MPIR | PT., IRON ROD | | TCSP | SIGNAL POLE | | ULPM | LIGHTING, POLE, MEDIAN |
| | AEQNBK | EQUATION BACK | | DST | STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R | | IEZTR | TRANSMITTAL READER | | MPM | PT., MONUMENT | TRAFFIC WORK ZONE | | | | ULPP | LIGHTING, POLE, PED. |
| | AEVT | EVENT STATION | | DST | STRUCTURE, RECT., TYPE "X" "X" = I, K, L, M, O, P, U | | IFOXCAB | FIBER OPTIC X-CONNECT CABINET | | MPMM | PT., MONUMENT, MISC. | | | | | TWZAP.P | ARROW PANEL |
| | APC | POINT OF CURVATURE | ENVIRONMENTAL | | | | IFUSSPL | FUSION SPLICE | | MPN | PT., NAIL | | TWZAPC.P | ARROW PANEL, CAUTION MODE | | UOLM | OIL, LINE MARKER |
| | APCC | POINT OF COMPOUND CURVATURE | | | | | IHARADV | HAR ADVISORY SIGN | | MPRS | PT., RAILROAD SPIKE | | TWZAPT.P | ARROW PANEL, TRAILER OR SUPPORT | | UP | POLE, WITH UTILITY |
| | API | POINT OF INTERSECTION | | EIOP.P | STR., INLET, OUTLET PROT. | | ILC | LOAD CENTER | | MPST | PT., STAKE | | TWZBCD.P | BARRICADE (TYPE III) | | UPD | POLE, DEAD (NO UTILITY) |
| | APOB | POINT OF BEGINNING | | EIPGB.P | STR., INLET PROT., GRAVEL BAG | | IMECSPL | MECHANICAL SPLICE | | MPTW | PT., TREE W/ WIRE | | TWZCMS.P | CHANGEABLE MESSAGE SIGN (PVMS) | | UPL | POLE, WITH LIGHT |
| | APOC | POINT OF CURVATURE | | EIPHS.P | STR., INLET PROT., HAY/STRAW | | IMSCS | PORT. SPEED & COUNT SENSOR | | MPWL | PT., WALL LOCATION | | TWZFLG.P | FLAGGER | | USMH | SANITARY SEWER MANHOLE |
| | APOE | POINT OF END | | EIPPS.P | STR., INLET PROT., PREFAB. | | IMSCTS | MICRO SPEED & COUNT SENSOR | ROW ACQUISITION | | | | TWZFT.P | FLAG TREE | | UTB | TELEPHONE, BOOTH |
| | APOL | POINT ON LINE | | ETRS.P | TRAP, SEDIMENT | | IMT | MICROWAVE TRANSCEIVER | | | | | TWZIA.P | IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY) | | UTLM | TELEPHONE, LINE MARKER |
| | APOS | POINT ON SPIRAL | | EWFG | WETLAND FLAG | | IOVHVS | PERM. OVERHEAD VMS | | MFS.P.T | FEE ACQUISITION | | TWZLUM.P | LUMINAIRE (TEMPORARY) | | UTMH | TELEPHONE, MANHOLE |
| | APOT | POINT ON TANGENT | GEOTECHNICAL | | | | IPASCS | PORT. ACCOU. SPD & CNT. SENSOR | | MEPS.P.T | EASEMENT, PERMANENT | | TWZSDT.P | SYMBOL, DIRECTION OF TRAFFIC | | UTVLM | CABLE TV, LINE MARKER |
| | APOVC | POINT ON VERTICAL CURVE | | | | | IPEDS | PEDESTRIAN SIGNAL HEAD | | METS.P.T | EASEMENT, TEMPORARY | | TWZSDTD.P | SYMBOL, DIRECTION OF TEMPORARY TRAFFIC DETOUR | | UUB | UNKNOWN, BOX |
| | APOVT | POINT ON VERTICAL TANGENT | | ISPVMS | PERM. VMS | | IPSS | PAVEMENT SURFACE SENSOR | | METS.P.T | OCCUPANCY, TEMPORARY | | TWZSGN.P | SIGN (TEMPORARY) | | UUJB | UNKNOWN, JUNCTION BOX |
| | APORC | POINT ON REVERSE CURVE | | IRWIS | RDWY WEATHER INFO. SENSOR | | IPVMS | PERM. VMS | | MFS.P.T | FEE ACQUISITION W/O ACCESS | | TWZSIG.P | SIGNAL, TRAFFIC OR PEDESTRIAN (TEMPORARY) | | UUMH | UNKNOWN, MANHOLE |
| | APT | POINT OF TANGENCY | LANDSCAPE | | | | IRM | RAMP METER | ROADWAY | | | | TWZWV.P | WORK VEHICLE | | UUPB | UNKNOWN, PULL BOX |
| | APVC | POINT OF VERTICAL CURVATURE | | | | | ISP | SOLAR PANEL | | | | | TWZWVA.P | WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR | | UUVL | UNKNOWN, VALVE |
| | APVCC | POINT OF VERT. CMPND CURVE | | GDH | DRILL HOLE | | ISST | SPREAD SPECT. TRANSCEIVER | | RES.P | ELEVATION, SPOT | UTILITIES | | | | UEB | ELECTRIC, BOX |
| | APVI | POINT OF VERT. INTERSECTION | LANDSCAPE | | | | ITDB | TELEPHONE DEMARCATION BLK | | RGA | GUIDE RAIL, ANCHOR | | | | | UEM | ELECTRIC, METER |
| | APVRC | POINT OF VERT. REVERSE CURVE | | | | | ITP | SUBSURFACE TEMP. PROBE | | RGP | GUIDE POST, SINGLE | SIGNS | | | | UEMH | ELECTRIC, MANHOLE |
| | APVT | POINT OF VERTICAL TANGENCY | | IVTRT | VEHICLE TO RDWY TRANSCEIVER | ROW MAPPING | | | | | | | | | | UEPT | ELECTRIC, POLE, TRANS. |
| | ASC | SPIRAL TO CURVE | | IWMD | WEIGHT IN MOTION DETECTOR | | | | | | | | UGM | GAS, METER | | UWV | WATER, VALVE |
| | ASPI | SPIRAL POINT OF INTERSECTION | | IWVR | WIRELESS VIDEO REPEATER | ROW MAPPING | | | | | | | UWFH | WATER, FIRE HYDRANT | | | |
| | ASTS | SPIRAL TO SPIRAL | | IWVRC | WIRELESS VIDEO RECEIVER | | | | | | | | UWM | WATER, METER | | | |
| | AST | SPIRAL TO TANGENT | | IWVTT | WIRELESS VIDEO TRANSMITTER | | UWV | WATER, VALVE | | | | | | | | | |
| | ATS | TANGENT TO SPIRAL | ITS | | | | MDL1P | DEED LINE, TYPE 1 | | S | SINGLE POST | UTILITIES | | | | UWV | WATER, VALVE |
| | AVEVT | VERTICAL EVENT POINT | | | | | MDL2P | DEED LINE, TYPE 2 | | SB.P | BACK TO BACK, PROPOSED | | | | | UWV | WATER, VALVE |
| | AVHIGH | VERTICAL HIGH POINT | | MDL3P | DEED LINE, TYPE 3 | | SDEL | DELINEATORS | | SPM | PARKING METER | UTILITIES | | | | UWV | WATER, VALVE |
| | AVLOW | VERTICAL LOW POINT | | MDL4P | DEED LINE, TYPE 4 | | SRM | REFERENCE MARKERS | | SRSC3 | SHLD, CTY, 123 DIG. | | | | | UWV | WATER, VALVE |
| BRIDGE | | | | MDL5P | DEED LINE, TYPE 5 | | SRSC4 | SHLD, CTY, 4 DIG. | | SRSCT2 | SHLD, CTY TOUR, 1-2 DIG. | UTILITIES | | | | UWV | WATER, VALVE |
| | | | | LTP | TRAP, SEDIMENT | | SRSCT4 | SHLD, CTY TOUR, 3-4 DIG. | | SRSI | SHLD, INTERSTATE | | | | | UWV | WATER, VALVE |
| CONTROL | | | | LUKP | UNKNOWN POINT | | SRSN2 | SHLD, NATIONAL, 2 DIG. | ROADWAY | | | | | | | UWV | WATER, VALVE |
| | | | ITS | | | | MEPAP.P | EASEMENT, PERM., APPROX. | | | | | | | | SRSN3 | SHLD, NATIONAL, 3 DIG. |
| | IANT.P | ANTENNAS | | | | | MFAP.P | FEE ACQUISITION, APPROX. | | SRSS2 | SHLD, STATE, 2 DIG. | UTILITIES | | | | UWV | WATER, VALVE |
| | IASCTS | ACCOU. SPEED/COUNT SNSR.S | | MFP.P | FEE ACQUISITION, BACK LINE | | SRSS3 | SHLD, STATE, 3 DIG. | | UWV | WATER, VALVE | | | | | | |
| | ICABPAD | CABINET & PAD | | MFS.P.P | FEE ACQUISITION, SHAPE | | SRSS4 | SHLD, STATE, 4 DIG. | ROADWAY | | | | | | | UWV | WATER, VALVE |
| | ICCTV | CCTV SITE | | MHBAP | HIGHWAY BNDRY., APPROX. | | MHBCP | HISTORICAL, BLDG. CORNERS | | | | | | | | UWV | WATER, VALVE |
| | ICDPD | CDPD TRANSCEIVER | | MHBP | HIGHWAY BNDRY, PT. | ROADWAY | | | | | | | UWV | WATER, VALVE | | | |
| | ICELLT | CELL PHONE TOWER | ITS | | | | | | | | | | UWV | WATER, VALVE | | | |
| | ICJB | CONDUIT JACK OR BORING | | | | ITS | | | | UWV | WATER, VALVE | | | | | | |
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| | | | | | | | UWV | WATER, VALVE | | | | | | | | | |
| | | | | | | | UWV | WATER, VALVE | | | | | | | | | |
| | | | | | | | UWV | WATER, VALVE | | | | | | | | | |
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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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VILLAGE OF COLD SPRING
PUTNAM COUNTY, N.Y.

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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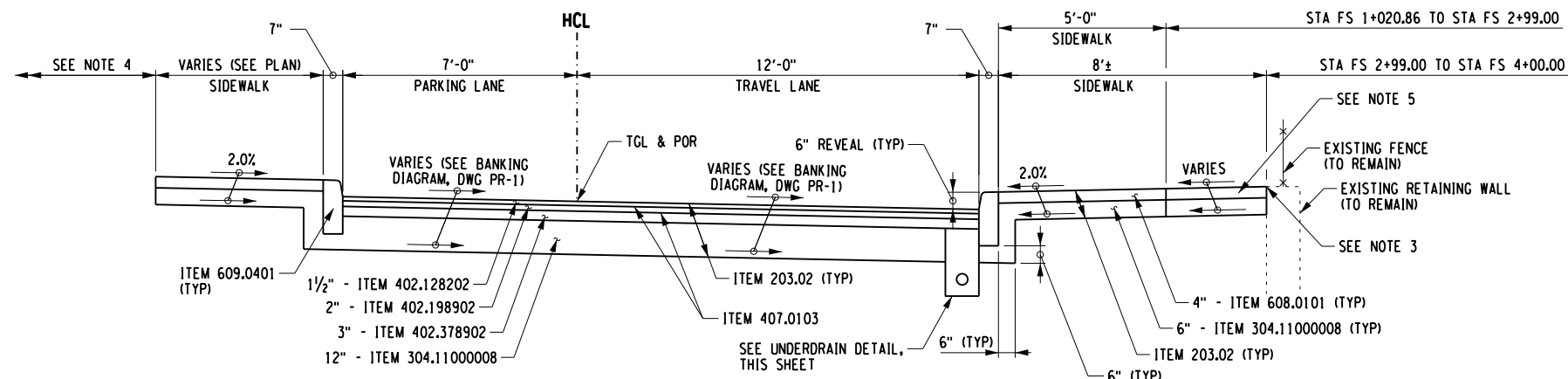
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CORRIDOR IMPROVEMENTS
MAIN STREET &
ANCILLARY STREETS
VILLAGE OF COLD SPRING,
PUTNAM COUNTY, NY

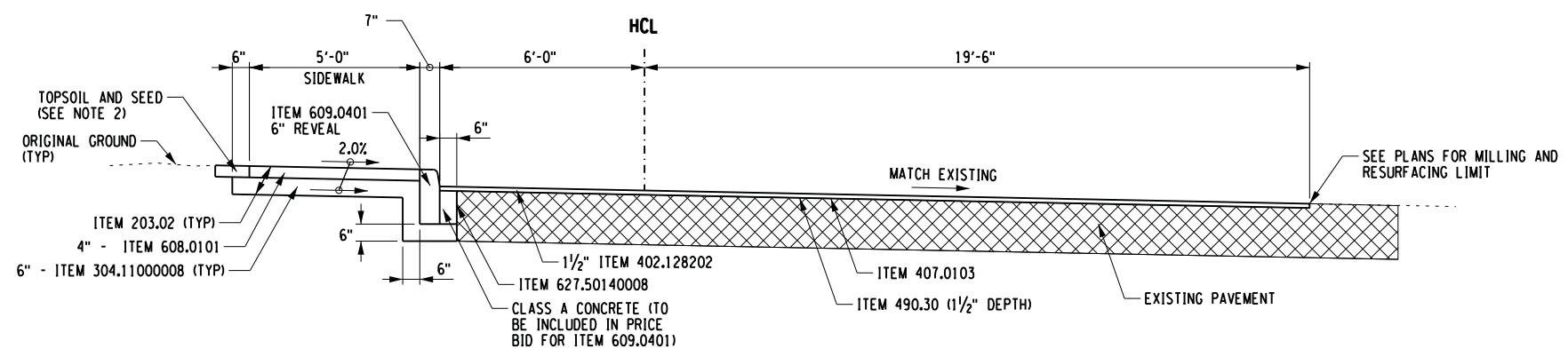
LEGEND

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| Designed By: RD | Project No.: 21204 | Drawing No.: LEG-2 |
| Drawn By: TJB | Scale: NONE | |
| Checked By: MTS | Plot Date: 11/23/2015 | |
| | | SHEET 4 |

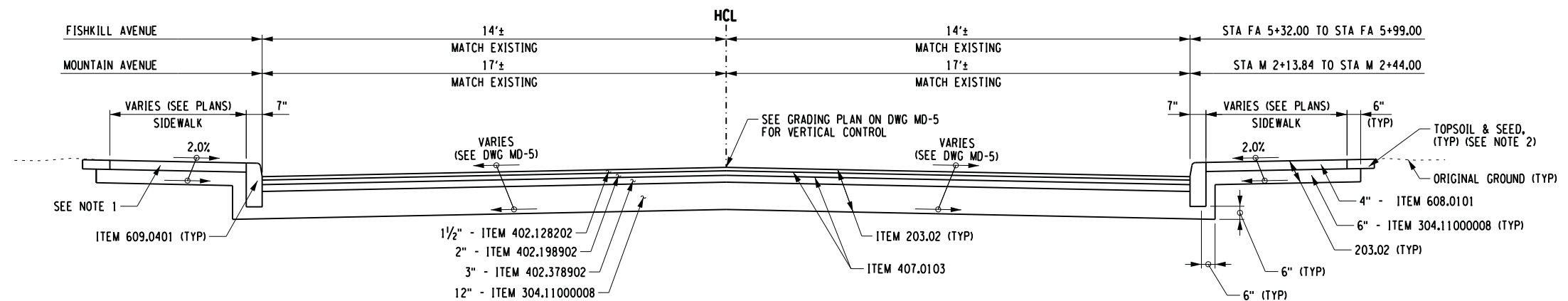
FILE NAME = U:\21204\CADD\MSTN\21204_cph_sph.01.dgn
DATE/TIME = 11/23/2015
USER = 3170



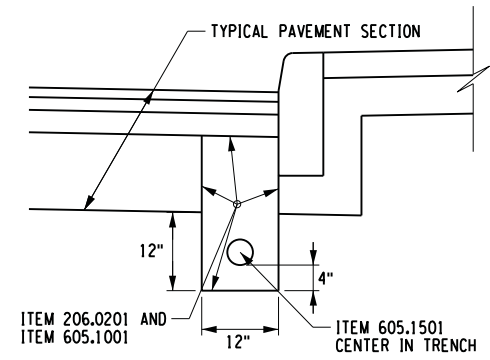
FURNACE STREET TYPICAL SECTION - RECONSTRUCTION
(STA FS 1+02.86 TO STA FS 4+00.00)
NTS



FURNACE STREET TYPICAL SECTION - RESURFACING
(STA FS 4+00.00 TO STA FS 4+66.00)
NTS



FISHKILL AVENUE & MOUNTAIN AVENUE TYPICAL SECTION - RECONSTRUCTION •BID ALT #1•
(STA FA 5+32.00 TO STA FA 5+99.00)
(STA M 2+13.84 TO STA M 2+44.00)
NTS



UNDERDRAIN DETAIL
NTS

| ITEM | DESCRIPTION | UNIT | NOTES: |
|--------------|---|------|---|
| 203.02 | UNCLASSIFIED EXCAVATION AND DISPOSAL | CY | 1. SEE PLANS FOR SIDEWALK WIDTH AND LOCATIONS. |
| 206.0201 | TRENCH AND CULVERT EXCAVATION | CY | 2. TOPSOIL AND SEED SHALL CONFORM TO REQUIREMENTS OF ITEM 610.1403 AND ITEM 610.1602 AND SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 608.0101. |
| 304.11000008 | SUBBASE COURSE (MODIFIED) | CY | 3. PROPOSED SIDEWALK SHALL MATCH EXISTING GROUND ELEVATION AT RETAINING WALL. |
| 402.128202 | 12.5 F2 TOP COURSE HMA, 80 SERIES COMPACTION | TON | 4. SEE CURB AND SIDEWALK REPLACEMENT DETAIL AND SIDEWALK REPLACEMENT ADJACENT TO BUILDINGS/FACADES DETAIL FOR INTERFACE BETWEEN PROPOSED SIDEWALK AND EXISTING FEATURES, DWGS MD-1 AND 2. |
| 402.198902 | 19 F9 BINDER COURSE, HMA 80 SERIES COMPACTION | TON | 5. FROM STA FS 1+20.86 TO STA FS 2+99.00 USE TOPSOIL AND SEED AS SHOWN ON FURNACE STREET TYPICAL SECTION RESURFACING. |
| 402.378902 | 37.5 F9 BASE COURSE, HMA 80 SERIES COMPACTION | TON | |
| 407.0103 | STRAIGHT TACK COAT | GAL | |
| 490.30 | MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE | SY | |
| 605.1001 | UNDERDRAIN FILTER TYPE 2 | CY | |
| 605.1501 | PERFORATED CORRUGATED POLYETHYLENE UNDERDRAIN TUBING, 4 INCH DIAMETER | LF | |
| 608.0101 | CONCRETE SIDEWALKS AND DRIVEWAYS | CY | |
| 609.0401 | CAST-IN-PLACE CONCRETE CURB TYPE VF150 | LF | |
| 627.50140008 | CUTTING PAVEMENT | LF | |



VILLAGE OF COLD SPRING
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PIN 8759.53 & 8760.04
CORRIDOR IMPROVEMENTS
MAIN STREET & ANCILLARY STREETS
VILLAGE OF COLD SPRING,
PUTNAM COUNTY, NY

TYPICAL SECTIONS

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| Designed By: RD | Project No.: 21204 | Drawing No.: TS-1 |
| Drawn By: MED | Scale: AS SHOWN | |
| Checked By: MTS | Plot Date: 11/23/2015 | SHEET 5 |

FILE NAME : U:\21204\ACADD\MSTN\21204_cph_gm.dgn
DATE/TIME : 11/23/2015
USER : 3170

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 RECONSTRUCTION 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 VILLAGE 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 NYSDOT STANDARD SPECIFICATIONS. IN ADDITION, A MINIMUM OF 1-INCH THICK PLATE WILL BE REQUIRED AT ALL EXCAVATIONS THAT ARE TO BE COVERED (A.O.B.E.). 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 CONSTRUCTED 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 VARIOUS ITEMS IN THIS 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.
- 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 NYSDOT 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.
- IF CONTRACTOR IS UNABLE TO IDENTIFY THE LIMITS OF THE RIGHTS-OF-WAY WHEN THE CONTRACT CALLS FOR WORK IN THOSE VICINITIES, THE CONTRACTOR MUST CONTACT THE PROJECT ENGINEER FOR DEFINITIVE BOUNDARY DETERMINATIONS BEFORE ANY WORK MAY BE INITIATED AT THOSE LOCATIONS (STANDARD SPECIFICATIONS SECTIONS 105-10 AND 625).
- 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.


TREE PROTECTION FOR ENDANGERED SPECIES

- THE AREA BENEATH THE DRIP LINE OF ALL TREES WITH A TRUNK DIAMETER OF 3 INCHES OR GREATER LOCATED OUTSIDE OF THE PROJECT CLEARING LIMITS OR IN PROXIMITY TO STAGING AND STOCKPILING AREAS SHALL NOT BE DISTURBED. DISTURBANCE INCLUDES REMOVING TREES, STOCKPILING MATERIAL, STORING EQUIPMENT, OR DRIVING AND PARKING VEHICLES BENEATH THE DRIP LINE OF TREES. ADDITIONAL TREES REQUIRING PROTECTION MAY BE DESIGNATED BY THE ENGINEER-IN-CHARGE. THE CONTRACTOR SHALL SUBMIT A PLAN TO THE ENGINEER-IN-CHARGE FOR APPROVAL SHOWING THE PROPOSED STAGING, STORAGE AND STOCKPILE AREAS FOR EACH SITE PRIOR TO PLACEMENT OF ANY EQUIPMENT OR MATERIALS AT THE SUBJECT AREA.


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

- IN ORDER TO PREVENT AND DIRECT TAKINGS OF INDIANA BAT (MYOTIS SODALIS), A FEDERAL AND STATE LISTED ENGANGERED 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).


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PIN 8759.53 & 8760.04

CORRIDOR IMPROVEMENTS
MAIN STREET &
ANCILLARY STREETS
VILLAGE OF COLD SPRING,
PUTNAM COUNTY, NY

GENERAL NOTES

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| Designed By: RD | Project No.: 21204 | Drawing No.: GN-1 SHEET 6 |
| Drawn By: MED | Scale: NONE | |
| Checked By: MTS | Plot Date: 11/23/2015 | |

FILE NAME : U:\21204\ACADD\MSTN\21204_cph_gm.dgn
DATE/TIME : 11/23/2015
USER : 3170

FILE NAME : U:\21204\CAADD\MSTN\21204_cph_wztc.gmn.dgn
DATE/TIME : 11/23/2015
USER : 3170

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 - CURRENT 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 WORK ZONE TRAFFIC CONTROL 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, 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 WITH THE APPROPRIATE ADVANCE WARNING SIGNS IN PLACE.
- 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 ENGINEER 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 NYSDOT 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.
- 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.
- FLAGGERS WILL BE REQUIRED TO USE RADIO OR SIMILAR CONTACT WHEN THEY ARE MAINTAINING ONE-WAY TRAFFIC WHEN ONE FLAGGER IS NOT VISIBLE TO THE OTHER OR IF, IN THE OPINION OF THE ENGINEER, THIS COMMUNICATION IS NECESSARY. THE COST OF ANY RADIO OR FIELD TELEPHONES USED SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 619.01 - BASIC WORK ZONE TRAFFIC CONTROL.
- THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN ONE TRAVEL LANE IN EACH DIRECTION AT ALL TIMES. THE MINIMUM LANE WIDTH FOR LANES SHALL BE 10 FT WIDE, UNLESS SPECIFICALLY SHOWN OTHERWISE IN THE PLANS, OR AS APPROVED BY THE ENGINEER.

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.
- 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 SATURDAY WORK HOURS: (UNLESS APPROVED BY ENGINEER)
 - NO SUNDAY WORK (UNLESS APPROVED BY ENGINEER)
 - NO NIGHTTIME 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.
- HOLIDAY RESTRICTIONS (2016) - NO TEMPORARY LANE CLOSURES SHALL BE ALLOWED DURING THE FOLLOWING HOLIDAYS
 - MAY 27 - 30
 - JULY 1 - 4
 - SEPTEMBER 2 - SEPTEMBER 5
- 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 THEIR OWN POSTS SHALL BE USED WHERE SIDEWALKS ARE CLOSED DUE TO CONSTRUCTION ACTIVITIES. SEE NOTES F FOR ADDITIONAL DETAILS.
- THE CONTRACTOR MAY ESTABLISH, IN COORDINATION WITH THE ENGINEER AND VILLAGE OF COLD SPRING, RESTRICTIONS TO THE PARKING LANE ADJACENT TO THE APPROVED WORK AREAS ON MAIN STREET. PARKING RESTRICTIONS WILL ONLY BE ALLOWED WHEN NECESSARY FOR THE CURRENT SIDEWALK RECONSTRUCTION ACTIVITY, AND SHALL BE REMOVED AS SOON AS POSSIBLE WHEN NO LONGER NEEDED. PARKING LANE RESTRICTIONS ARE ASSUMED TO BE NEEDED ON ONLY ONE VILLAGE BLOCK AT A TIME, BUT MAY BE EXTENDED INTO A SECOND BLOCK AS APPROVED BY ENGINEER.

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 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 CITY. 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.
- WARNING FLAGS ON SIGNS MAY BE USED TO INCREASE TARGET VALUE AND VISIBILITY OF WORK ZONE SIGNS DURING DAYLIGHT HOURS.
- IN ACCORDANCE WITH TABLE 6F-1 OF THE MUTCD THE DIMENSIONS OF WORK ZONE TRAFFIC CONTROL SIGNS SHALL BE "CONVENTIONAL" SIGN SIZE.
- 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.

D. CONSTRUCTION VEHICLES:

- ESCORT VEHICLES EQUIPPED WITH AN APPROVED ROTATING OR FLASHING AMBER WARNING LIGHT OR AN OPERATING ARROW PANEL 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.
- ONLY RUBBER TRACKED CONSTRUCTION EQUIPMENT WILL BE ALLOWED ON SIDEWALKS AND PAVEMENT THAT ARE TO REMAIN IN PLACE OR HAVE BEEN RECONSTRUCTED UNDER THIS CONTRACT AOBE.

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), SHALL BE AN ESSENTIAL PART OF THE HIGHWAY CONSTRUCTION, UTILITY WORK, MAINTENANCE, AND THE MANAGEMENT OF TRAFFIC.
- MAINTAINING PEDESTRIAN ACCESS ALONG MAIN STREET IS OF THE HIGHEST PRIORITY DURING THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL PROVIDE, DELINEATE AND MAINTAIN A USEABLE TRAVEL PATH FOR PEDESTRIANS THROUGH AND AROUND THE WORK ZONE AND TO BUSINESSES FOR THE DURATION OF THE CONTRACT.
 - A. EXISTING SIDEWALKS AND PARKING LANES
 - B. TEMPORARY SIDEWALKS AND PARKING LANES
 - C. FINAL SIDEWALKS AND LANE
 - 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.

- A 4 FT PEDESTRIAN PATHWAY MUST BE MAINTAINED ON ONE SIDE OF MAIN STREET 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 SPECIFICALLY MADE BETWEEN THE CONTRACTOR AND THE RESIDENTS / PROPERTY OWNERS.
- ONLY ONE VILLAGE BLOCK ON ONE SIDE OF MAIN STREET MAY BE CLOSED AT ANY ONE TIME, UNLESS OTHERWISE APPROVED BY THE ENGINEER AND THE VILLAGE OF COLD SPRING.
- 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.


G. COORDINATION WITH UTILITIES:

- THE CONTRACTOR SHALL COOPERATE WITH ALL OTHER CONTRACTORS AND UTILITY COMPANIES OCCUPYING THE WORK SITE. THE FOLLOWING UTILITY COMPANIES MAY BE PERFORMING UTILITY WORK WITHIN THE PROJECT CORRIDOR.
 - CENTRAL HUDSON & GASREFER TO SPECIAL NOTE IN THE PROJECT PROPOSAL ENTITLED "COORDINATION WITH THE UTILITY SCHEDULE"


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VILLAGE OF COLD SPRING
PUTNAM COUNTY, N.Y.



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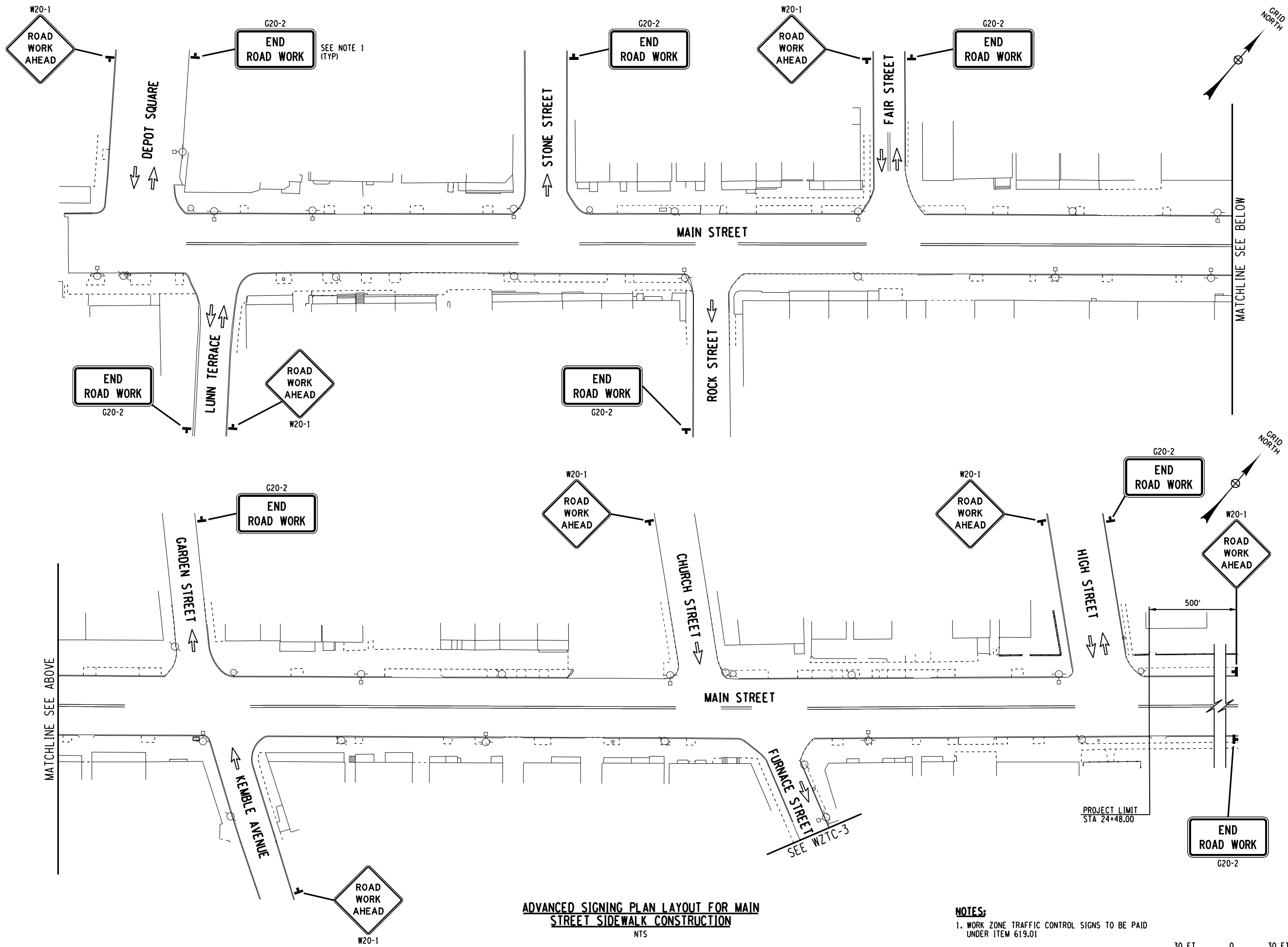
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CORRIDOR IMPROVEMENTS
MAIN STREET &
ANCILLARY STREETS
VILLAGE OF COLD SPRING,
PUTNAM COUNTY, NY

WORK ZONE
TRAFFIC CONTROL
NOTES

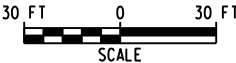
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ADVANCED SIGNING PLAN LAYOUT FOR MAIN STREET SIDEWALK CONSTRUCTION
NTS

- NOTES:**
- 1. WORK ZONE TRAFFIC CONTROL SIGNS TO BE PAID UNDER ITEM 619.01
 - 2. SIGNS TO BE PLACED IN LOCATIONS THAT DO NOT RESTRICT MOTORISTS OR PEDESTRIANS.



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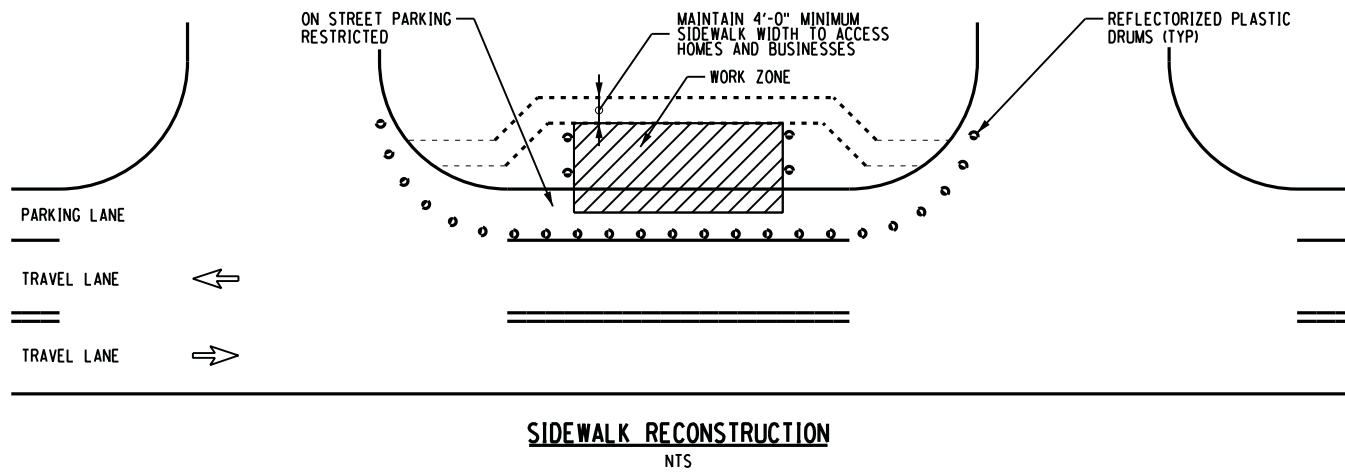
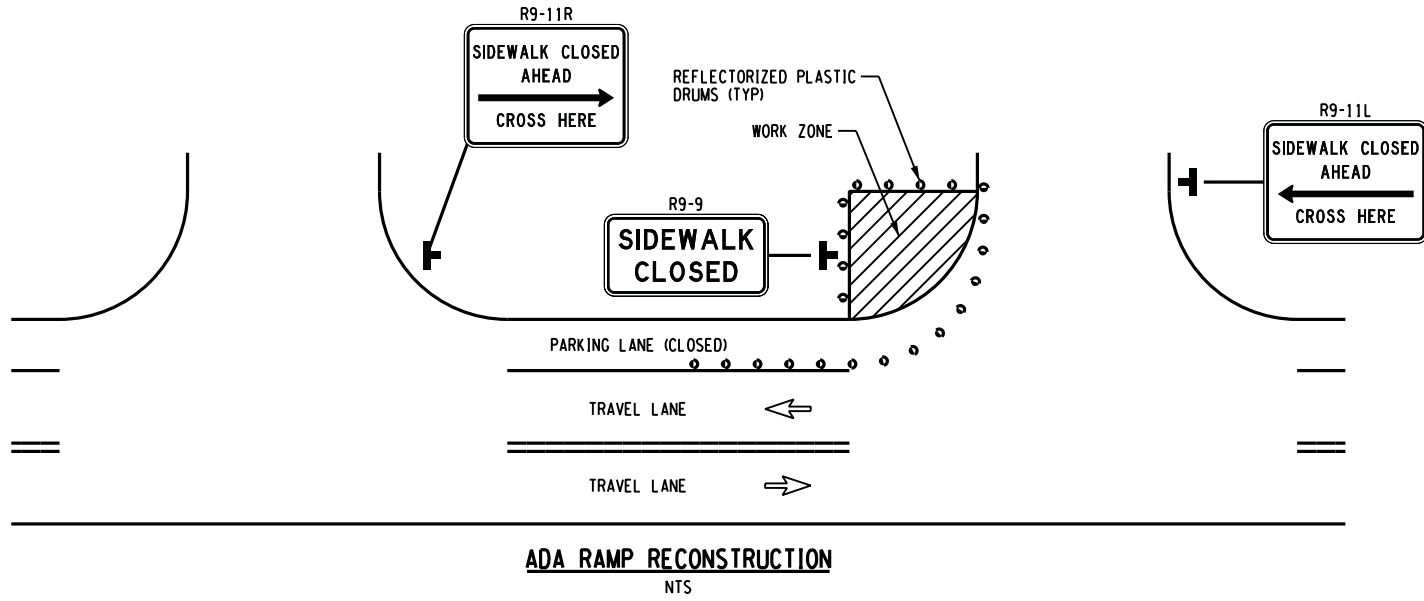
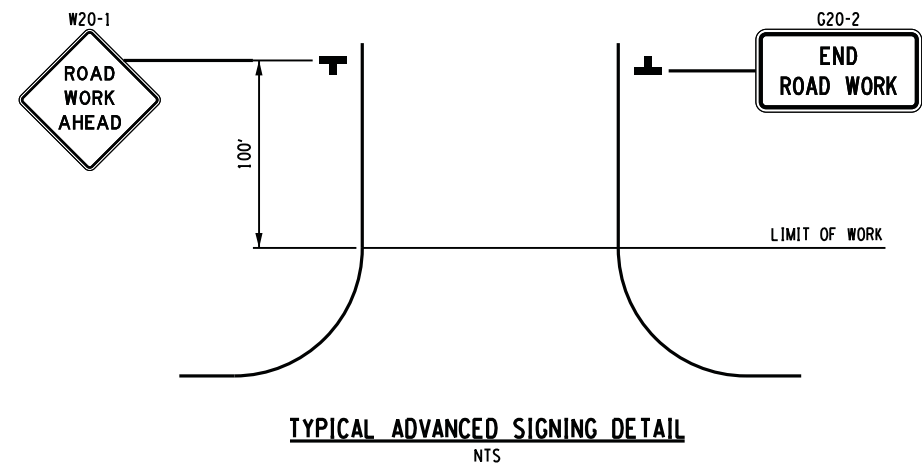
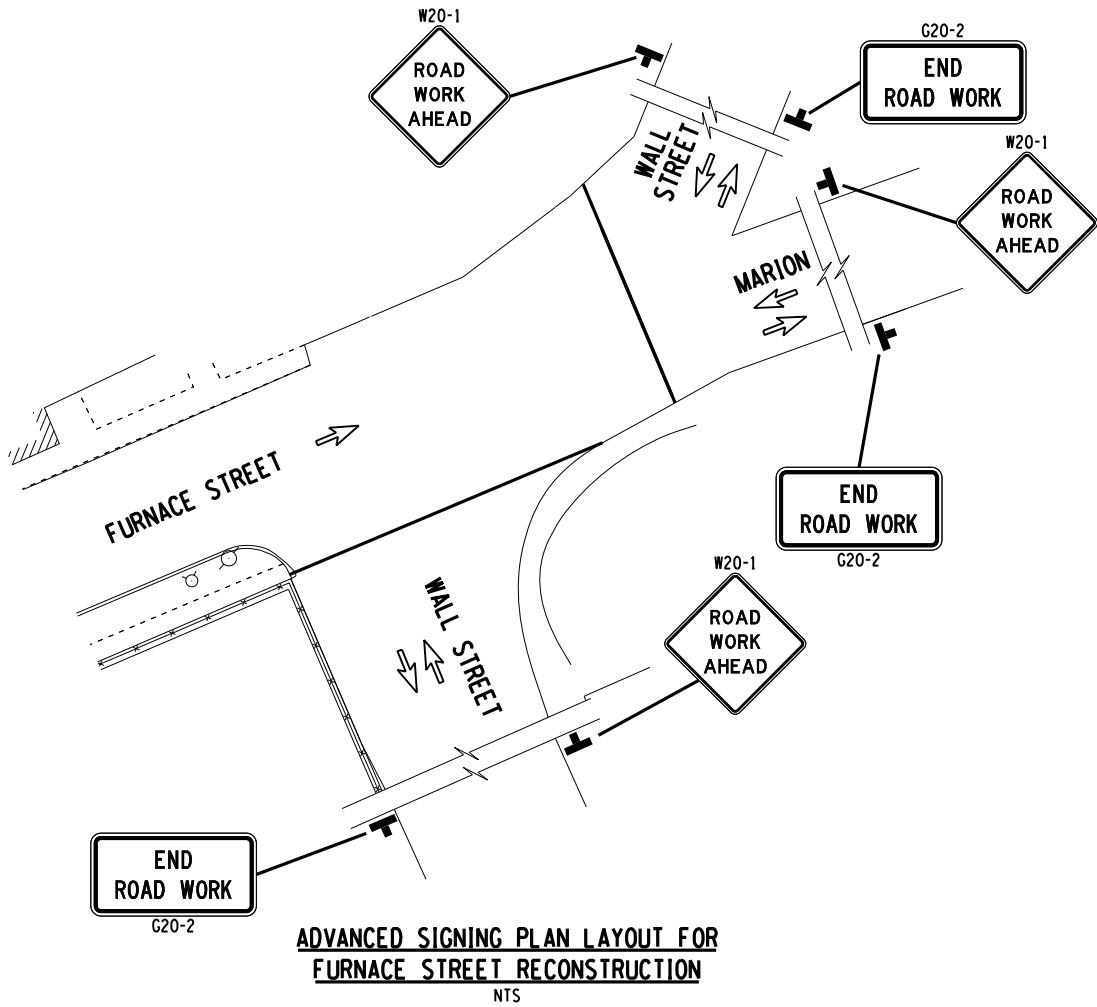
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CORRIDOR IMPROVEMENTS
MAIN STREET &
ANCILLARY STREETS
VILLAGE OF COLD SPRING,
PUTNAM COUNTY, NY

WORK ZONE
TRAFFIC CONTROL

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NOTES:

1. TRAVEL LANES SHALL BE MAINTAINED AT ALL TIMES.
2. ONLY ONE VILLAGE BLOCK ON ONE SIDE OF MAIN STREET MAY BE CLOSED AT ANY ONE TIME, UNLESS OTHERWISE APPROVED BY THE ENGINEER AND THE VILLAGE OF COLD SPRING.
3. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL RESIDENTS AND BUSINESSES DURING CONSTRUCTION.
4. WORK ZONE TRAFFIC CONTROL SIGNS TO BE PAID UNDER ITEM 619.01



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PUTNAM COUNTY, N.Y.



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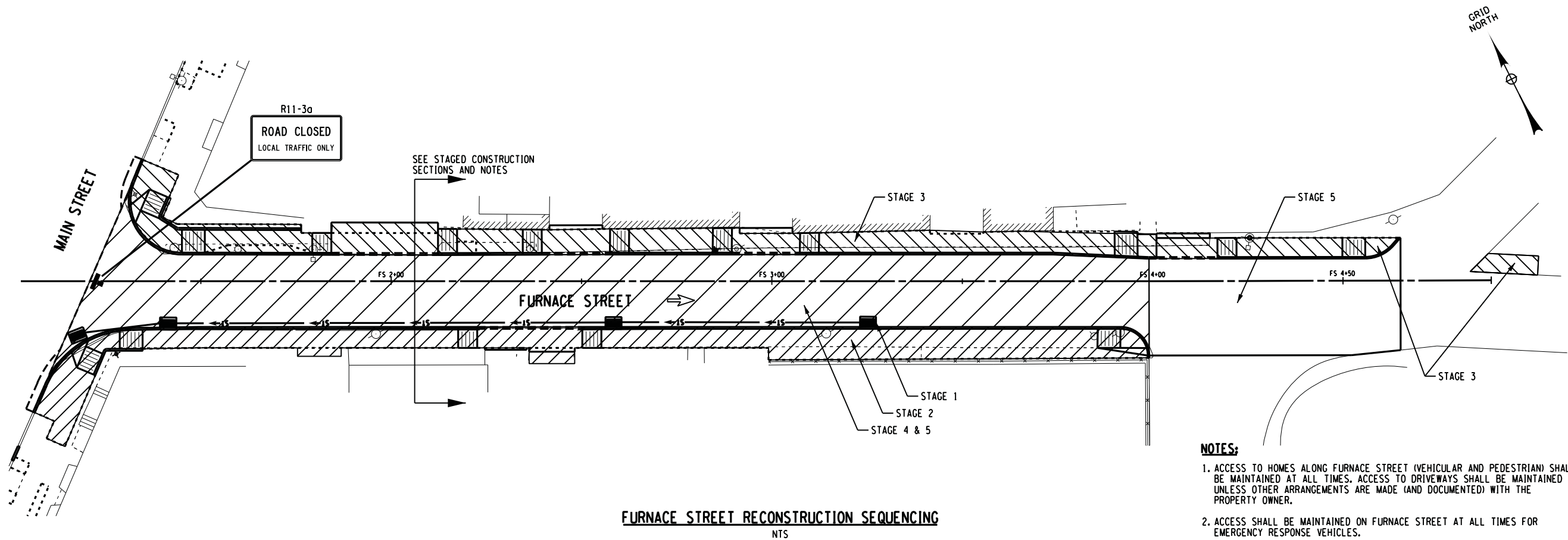
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CORRIDOR IMPROVEMENTS
MAIN STREET &
ANCILLARY STREETS
VILLAGE OF COLD SPRING,
PUTNAM COUNTY, NY

WORK ZONE
TRAFFIC CONTROL

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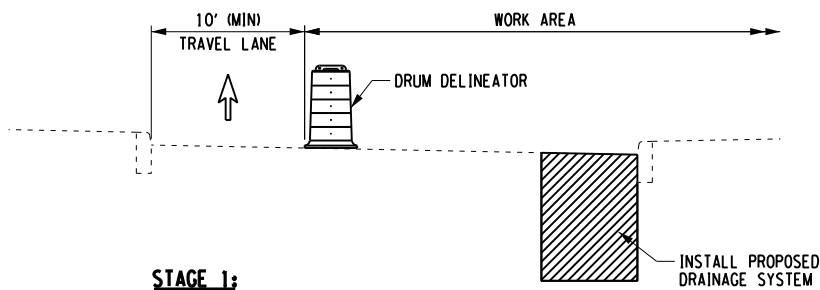
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FURNACE STREET RECONSTRUCTION SEQUENCING
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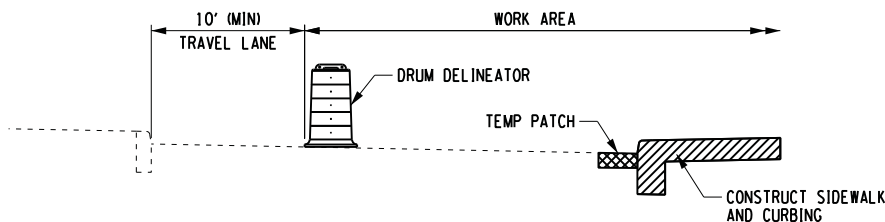
NOTES:

1. ACCESS TO HOMES ALONG FURNACE STREET (VEHICULAR AND PEDESTRIAN) SHALL BE MAINTAINED AT ALL TIMES. ACCESS TO DRIVEWAYS SHALL BE MAINTAINED UNLESS OTHER ARRANGEMENTS ARE MADE (AND DOCUMENTED) WITH THE PROPERTY OWNER.
2. ACCESS SHALL BE MAINTAINED ON FURNACE STREET AT ALL TIMES FOR EMERGENCY RESPONSE VEHICLES.
3. PARKING ON FURNACE STREET MAY BE RESTRICTED DURING ACTIVE PERIODS OF WORK.
4. TEMPORARY PATCHING (AS NEEDED) SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01.



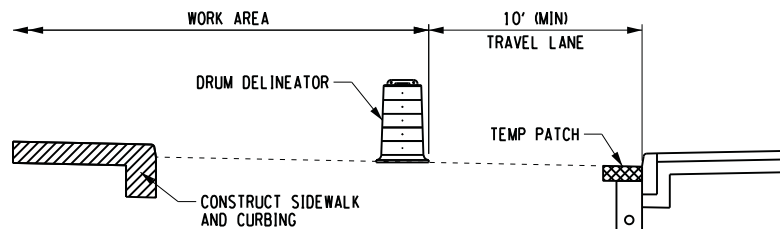
STAGE 1:

1. ESTABLISH ROAD CLOSURE AND PARKING RESTRICTIONS.
2. INSTALL PROPOSED STORM DRAINAGE SYSTEM. BACKFILL OR PLATE OPEN EXCAVATIONS DURING NON-WORKING HOURS.



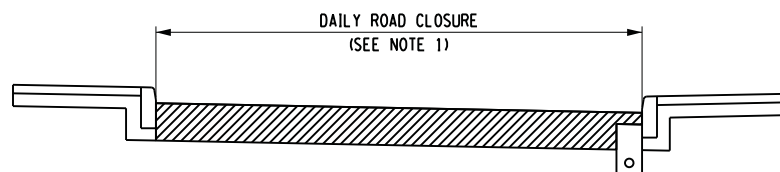
STAGE 2:

1. MAINTAIN STAGE 1 ROAD CLOSURE AND PARKING RESTRICTIONS.
2. RECONSTRUCT SOUTH SIDEWALK AND CURB.
3. INSTALL UNDERDRAIN.



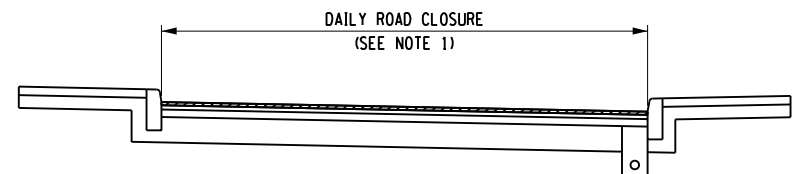
STAGE 3:

1. ESTABLISH STAGE 3 ROAD CLOSURE AND PARKING RESTRICTIONS.
2. RECONSTRUCT NORTH SIDEWALK AND CURB.



STAGE 4:

1. ESTABLISH FULL ROAD CLOSURE DURING WORKING HOURS. ROAD TO BE REOPENED DURING NON-WORKING HOURS.
2. RECONSTRUCT FURNACE STREET PAVEMENT.
3. A HARD ROADWAY SURFACE (COMPACTED SUBBASE GRAVEL) MUST BE PROVIDED DURING NON-WORKING HOURS.
4. THE BASE AND BINDER HMA COURSES MUST BE PLACED PRIOR TO WEEKEND SHUTDOWN.



STAGE 5:

1. ESTABLISH FULL ROAD CLOSURE DURING WORKING HOURS. ROAD TO BE REOPENED DURING NON-WORKING HOURS.
2. COLD MILL FURNACE STREET WHERE SPECIFIED.
3. PLACE TOP COURSE HMA ON ENTIRE FURNACE STREET.
4. INSTALL PAVEMENT MARKINGS.



VILLAGE OF COLD SPRING
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CORRIDOR IMPROVEMENTS
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PUTNAM COUNTY, NY

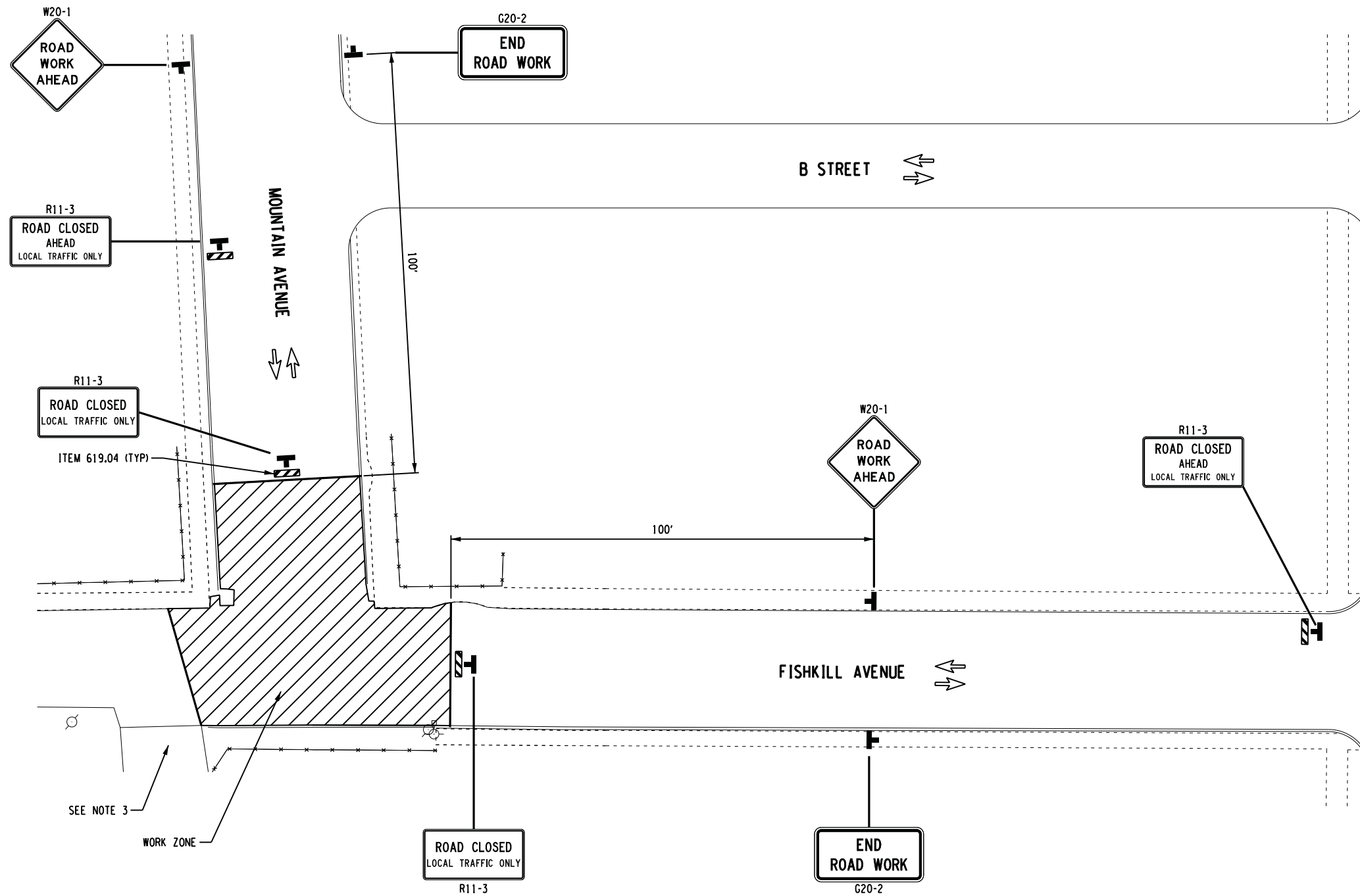
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NOTES:

1. PEDESTRIAN ACCESS THROUGH THE WORK AREA SHALL BE MAINTAINED AT ALL TIMES TO AT LEAST THE STANDARD THAT CURRENTLY EXISTS.
2. ACCESS TO ALLOW EMERGENCY RESPONSE VEHICLES THROUGH THE WORK SITE SHALL BE MAINTAINED AT ALL TIMES.
3. ACCESS TO DRIVEWAY SHALL BE MAINTAINED UNLESS OTHER ARRANGEMENTS ARE MADE (AND DOCUMENTED) WITH PROPERTY OWNER.
4. DURING NON-WORKING HOURS, "LOCAL" TRAFFIC SHALL BE ALLOWED TO TRAVEL THROUGH WORK AREA. PROVIDE ADEQUATE RAMPS BETWEEN EXISTING PAVEMENT AND WORK AREA.



**ADVANCED SIGNING PLAN LAYOUT FOR
MOUNTAIN AVENUE/FISHKILL AVENUE RECONSTRUCTION**
NTS

**THIS SHEET APPLIES TO
BID ALTERNATIVE 1**



VILLAGE OF COLD SPRING
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**CORRIDOR IMPROVEMENTS
MAIN STREET &
ANCILLARY STREETS**
VILLAGE OF COLD SPRING,
PUTNAM COUNTY, NY

**WORK ZONE
TRAFFIC CONTROL**

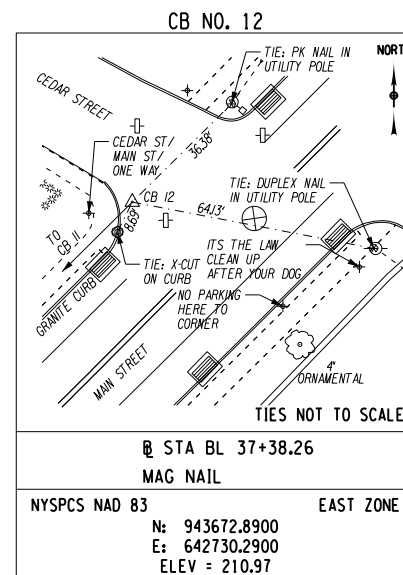
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| Designed By: RD | Project No.: 21204 | Drawing No.: |
| Drawn By: MED | Scale: NOT TO SCALE | WZTC-5 |
| Checked By: MTS | Plot Date: 11/23/2015 | |
| | | SHEET 11 |

STATE OF NEW YORK
MANUEL T. SALORIO, JR.
LICENSED PROFESSIONAL ENGINEER
076997

| No. | Submittal / Revision | Appd. | Date |
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BASELINE TIES AND BENCHMARKS

| | | |
|--------------------|--------------------------|--|
| Designed By: RD | Project No.: 21204 | Drawing No.: BLT-1 SHEET 12 |
| Drawn By: MED | Scale: NONE | |
| Checked By: MTS | Plot Date: 11/23/2015 | |



| TABLE OF BENCHMARKS | | | | |
|---------------------|-------------|-----------|--|--------|
| BM NO. | HCL STATION | OFFSET | DESCRIPTION | ELEV. |
| BM-1 | 10+78.86 | 23.29, LT | BENCHMARK IS A "X" CUT ON HYDRANT BONNET NUT AT HOA. | 21.06 |
| BM-2 | 18+22.77 | 38.67, LT | BENCHMARK 2 IS BENT RR SPIKE EAST SIDE UP. | 56.91 |
| BM-3 | 21+81.17 | 22.84, LT | BENCHMARK 3 IS A CUT "X" ON HYDRANT BONNET NUT AT HOA. | 73.33 |
| BM-4 | FA 6+34.82 | 0.72, LT | BENCH 4 IS RR SPIKE IN UTILITY POLE | 142.78 |

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DATE/TIME = 11/23/2015
USER = 3170

| HORIZONTAL CONTROL TABLE | | | | |
|--------------------------|----------------------------|-------------|-----------|--|
| HCL POINT | HCL STATION | COORDINATES | | DESCRIPTION |
| | | NORTH | EAST | |
| MAIN STREET | | | | |
| POB | 10+00.00 | 941592.65 | 640334.73 | BEGIN MAIN STREET ALIGNMENT |
| PC | 13+57.94 | 941823.00 | 640608.70 | P.C. CURVE 1 |
| PI | 14+17.47 BK 14+17.47 AH | 941861.31 | 640654.27 | P.I. CURVE 1 (R=25000.00) |
| PT | 14+77.01 | 941899.41 | 640700.02 | P.T. CURVE 1 |
| PC | 20+94.92 | 942294.80 | 641174.87 | P.C. CURVE 2 |
| PI | 21+75.93 BK 21+75.93 AH | 942346.63 | 641237.12 | P.I. CURVE 2 (R=15000.00) |
| EQ. | 22+01.39 | 942363.22 | 641256.44 | EQUALITY FURNACE STREET |
| PT | 22+56.94 | 942399.14 | 641298.81 | P.T. CURVE 2 |
| PC | 26+43.38 | 942649.61 | 641593.10 | P.C. CURVE 3 |
| PI | 28+57.91 BK 28+57.89 AH | 942788.66 | 641756.46 | P.I. CURVE 3 (R=20000.00) |
| EQ. | 30+00.00 | 942878.32 | 641866.71 | EQUALITY FISHKILL AVENUE |
| PT | 30+72.42 | 942924.17 | 641922.77 | P.T. CURVE 3 |
| PC | 35+05.47 | 943197.71 | 642258.49 | P.C. CURVE 4 |
| PI | 36+39.67 BK 36+39.51 AH | 943282.47 | 642362.53 | P.I. CURVE 4 (R=3250.00) |
| PT | 37+73.71 | 943375.53 | 642459.22 | P.T. CURVE 4 |
| PC | 39+59.68 | 943504.49 | 642593.22 | P.C. CURVE 5 |
| PI | 40+41.38 BK 40+41.38 AH | 943561.13 | 642652.08 | P.I. CURVE 5 (R=10000.00) |
| PT | 41+23.07 | 943618.74 | 642710.01 | P.T. CURVE 5 |
| POE | 42+76.00 | 943726.57 | 642818.45 | END MAIN STREET ALIGNMENT |
| FURNACE AVENUE | | | | |
| POB/EQ | FS 1+00.00 | 942363.22 | 641256.44 | BEGIN FURNACE AVENUE ALIGNMENT/EQUALITY MAIN STREET |
| PI | FS 3+98.95 | 942229.22 | 641523.73 | P.I. |
| POE | FS 4+48.94 | 942206.94 | 641568.48 | END FURNACE AVENUE ALIGNMENT |
| FISHKILL AVENUE | | | | |
| POB/EQ | FA 1+00.00 | 942878.32 | 641866.71 | BEGIN FISHKILL AVENUE ALIGNMENT/EQUALITY MAIN STREET |
| EQ. | FA 5+68.17 | 943235.89 | 641564.52 | EQUALITY MOUNTAIN AVENUE |
| POE | FA 6+34.00 | 943286.18 | 641522.02 | END FISHKILL AVENUE ALIGNMENT |
| MOUNTAIN AVENUE | | | | |
| POB/EQ | M 2+00.00 | 943235.89 | 641564.52 | BEGIN MOUNTAIN AVENUE ALIGNMENT/EQUALITY FISHKILL AVENUE |
| POE | M 2+69.00 | 943283.81 | 641614.16 | END MOUNTAIN AVENUE ALIGNMENT |

| DRIVEWAY TABLE | | | | | | | | | |
|----------------|--------------------|----|---------|-------|-------|-----|---------|-------------|----------------------|
| DRIVEWAY NO. | STATION AND OFFSET | | WIDTH W | ANGLE | RADII | | LIMIT L | TYPE | LAYOUT TYPE |
| | | | | | R1 | R2 | | | |
| 1 | 19+77.4 | LT | 31.5 | 90 | 2.0 | 2.0 | 18.0 | COMMERCIAL | SEE DETAIL, DWG MD-2 |
| 2 | 21+06.1 | LT | 56.5 | 90 | - | 2.0 | 16.0 | COMMERCIAL | SEE DETAIL, DWG MD-2 |
| 3 | 22+85.6 | LT | 12.0 | 90 | - | - | - | RESIDENTIAL | NO WORK |
| 4 | 23+02.9 | LT | 10.0 | 90 | - | - | N/A | RESIDENTIAL | SEE PLAN FOR LIMIT |
| 5 | FS 1+98.3 | LT | 28.0 | 90 | - | - | 8.0 | RESIDENTIAL | A |
| 6 | FS 2+29.5 | RT | 11.0 | 90 | - | - | 5.5 | RESIDENTIAL | A |
| 7 | FS 2+42.2 | RT | 12.0 | 90 | - | - | 6.5 | RESIDENTIAL | A |
| 8 | FS 2+48.5 | LT | 14.0 | 90 | - | - | 7.0 | RESIDENTIAL | A |
| 9 | FS 2+98.5 | LT | 14.0 | 90 | - | - | 6.5 | RESIDENTIAL | A |
| 10 | FS 4+08.0 | LT | 14.0 | 90 | - | - | 6.5 | RESIDENTIAL | A |
| 11 | FA 5+98.7 | LT | - | - | - | - | - | RESIDENTIAL | NO WORK |

| PLANTING SCHEDULE SUMMARY | | | | | | |
|---------------------------|--------|---------------------------------|----------------------|-----------------|--------------|-----------|
| ITEM NUMBER | SYMBOL | BOTANICAL NAME | COMMON NAME | QUANTITY (SIZE) | SIZE | CONDITION |
| DECIDUOUS TREES | | | | | | |
| 611.0111 | ZS | ZELKOVA SERRATA "SCHMIDTLOW" | WIRELESS ZELKOVA | 1 | 3"-3.5" CAL. | B&B |
| 611.0111 | GD | GYMNOCLADUS DIOICUS "ESPRESSO" | KENTUCKY COFFEE TREE | 1 | 3"-3.5" CAL. | B&B |
| 611.0111 | TC | TILLIA CORDATA "GREENSPIRE" | GREENSPIRE LINDEN | 1 | 3"-3.5" CAL. | B&B |
| 611.0111 | ZV | ZELKOVA SERRATA "VILLAGE GREEN" | ZELKOVA | 2 | 3"-3.5" CAL. | B&B |
| 611.0111 | UP | ULMUS PARVIFOLIA "ALLEE" | CHINESE ELM | 3 | 3"-3.5" CAL. | B&B |
| 611.0211 | PS | PRUNUS SARGENTII "COLUMNARIS" | SARGENT'S CHERRY | 1 | 3"-3.5" CAL. | B&B |

| ITEM 663.33 - ADJUST EXISTING VALVE BOX ELEVATION | |
|---|---------|
| STATION | OFFSET |
| 15+57.2 | 22.1 RT |
| FA 5+63.7 | 6.7 LT |
| FA 5+82.0 | 0.3 RT |
| FS 1+83.0 | 13.4 RT |
| FS 3+29.7 | 13.9 RT |
| FS 3+76.3 | 10.1 LT |
| FS 3+86.5 | 15.1 RT |

| RELOCATE SIGN PANEL• | | | |
|----------------------|--------|------------------|------------------|
| STATION | OFFSET | ITEM 645.81 (EA) | ITEM 647.31 (EA) |
| 10+86.0 | LT | 1 | 1 |
| 12+86.0 | LT | 1 | 1 |
| 13+31.5 | LT | 1 | 1 |
| 13+94.0 | RT | 1 | 1 |
| 13+96.5 | RT | 2 | 1 |
| 14+35.8 | RT | 1 | 1 |
| 14+57.0 | LT | 1 | 1 |
| 14+75.0 | LT | 1 | 1 |
| 15+09.5 | LT | 1 | 1 |
| 15+52.0 | LT | 1 | 1 |
| 17+29.5 | LT | 1 | 1 |
| 18+14.0 | LT | 1 | 1 |
| 18+21.0 | RT | 1 | 1 |
| 18+21.5 | LT | 1 | 1 |
| 21+43.5 | LT | 1 | 1 |
| 21+78.0 | LT | 1 | 1 |
| 22+00.0 | RT | 1 | 1 |
| 22+25.5 | RT | 1 | 1 |
| 22+26.0 | RT | 1 | 1 |
| 22+33.0 | RT | 1 | 1 |
| 23+96.5 | LT | 1 | 1 |
| FA 5+35.0 | RT | 1 | 1 |
| M 2+27.5 | LT | 1 | 1 |
| M 2+29.0 | LT | 1 | 1 |
| M 2+39.0 | RT | 1 | 1 |
| M 2+39.5 | LT | 1 | 1 |
| FS 2+87.5 | LT | 1 | 1 |
| FS 3+79.0 | RT | 1 | 1 |

• UNLESS OTHERWISE SHOWN IN THE PLANS OR AS DIRECTED BY ENGINEER, SIGNED WILL BE LOCATED AT THE EXISTING LOCATION UPON THE COMPLETION OF ANY WORK BEING PERFORMED IN THE VICINITY OF THE SIGN


| TABLE OF MAINTENANCE JURISDICTION UPON COMPLETION OF CONTRACT | | | | |
|---|---------------------------|----|------------------------|--|
| HIGHWAY | FEATURES TO BE MAINTAINED | LF | AGENCY | AUTHORITY FOR MAINTENANCE JURISDICTION |
| MAIN STREET | SIDEWALK | - | VILLAGE OF COLD SPRING | NYS HIGHWAY LAW SECTION 140 |
| FURNACE STREET | SIDEWALK & ROAD | - | VILLAGE OF COLD SPRING | NYS HIGHWAY LAW SECTION 140 |
| MOUNTAIN AVENUE | SIDEWALK & ROAD | - | VILLAGE OF COLD SPRING | NYS HIGHWAY LAW SECTION 140 |
| FISHKILL AVENUE | SIDEWALK & ROAD | - | VILLAGE OF COLD SPRING | NYS HIGHWAY LAW SECTION 140 |

| ITEM 209.1702 | | | |
|---------------|--------|------|-----|
| STATION | OFFSET | SIDE | CY |
| 10+00.0 | RT | 15.0 | 0.5 |
| 23+99.5 | LT | 22.5 | 0.5 |
| TOTALS | | | 1.0 |


| ITEM 209.12000011 | | | |
|-------------------|--------|----|----------|
| STATION | OFFSET | | QUANTITY |
| 10+69.5 | 20.5 | LT | 1 |
| 12+90.5 | 21.5 | LT | 1 |
| 13+99.5 | 21.5 | RT | 1 |
| 14+26.0 | 21.0 | RT | 1 |
| 15+13.0 | 23.0 | LT | 1 |
| 15+43.5 | 25.0 | LT | 1 |
| 18+49.0 | 21.5 | LT | 1 |
| 18+69.0 | 20.5 | RT | 1 |
| 21+48.0 | 25.0 | LT | 1 |
| 21+74.0 | 22.0 | LT | 1 |
| 24+37.5 | 21.5 | LT | 1 |
| FA 1+22.0 | 11.5 | LT | 1 |
| TOTAL | | | 12 |

| ITEM 614.0701 | | |
|---------------|--------|-----------------|
| LOCATION | | QUANTITY (EACH) |
| STATION | OFFSET | |
| 11+38.5 | RT | 1 |
| 21+04.0 | RT | 1 |
| 24+32.0 | LT | 1 |
| FS 1+61.0 | LT | 1 |
| FS 2+38.0 | LT | 1 |
| TOTALS | | 5 |


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III Winners Circle, PO Box 5269
Albany, NY 12205-0269
518.453.4500 • www.chacompanies.com



VILLAGE OF COLD SPRING
PUTNAM COUNTY, N.Y.



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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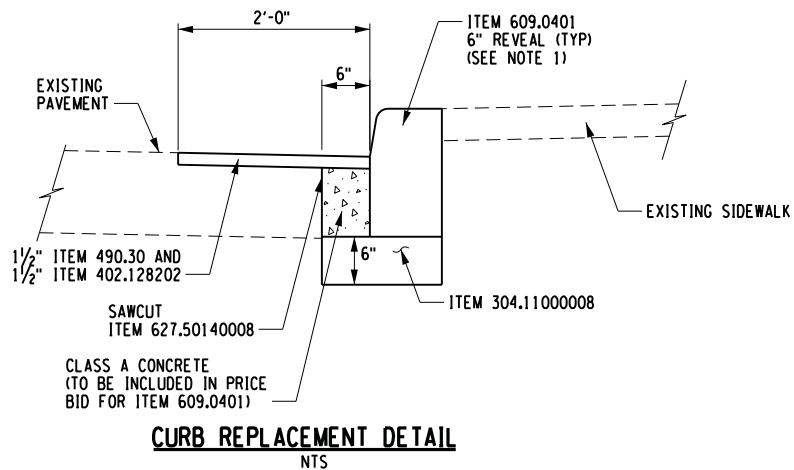
PIN 8759.53 & 8760.04

CORRIDOR IMPROVEMENTS
MAIN STREET &
ANCILLARY STREETS
VILLAGE OF COLD SPRING,
PUTNAM COUNTY, NY

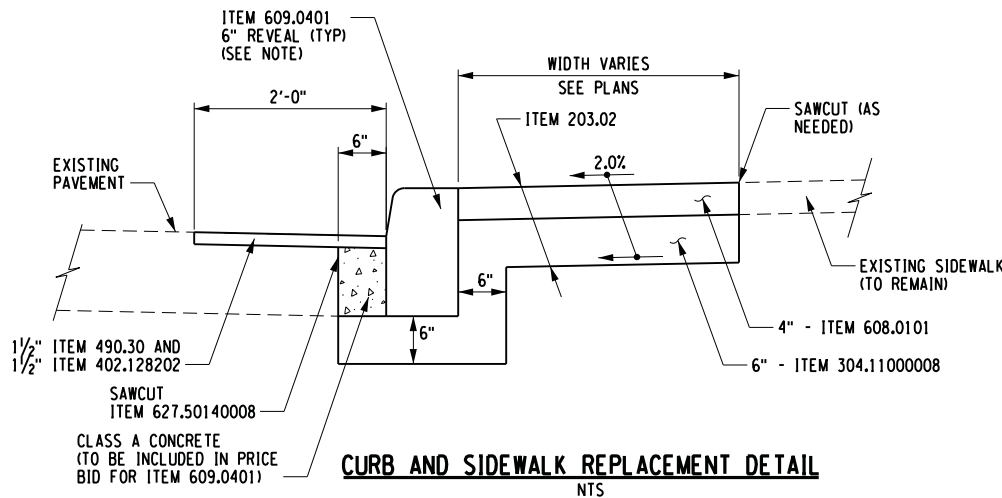
MISCELLANEOUS
TABLES

| | | |
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| Drawn By: MED | Scale: NONE | |
| Checked By: MTS | Plot Date: 11/23/2015 | |

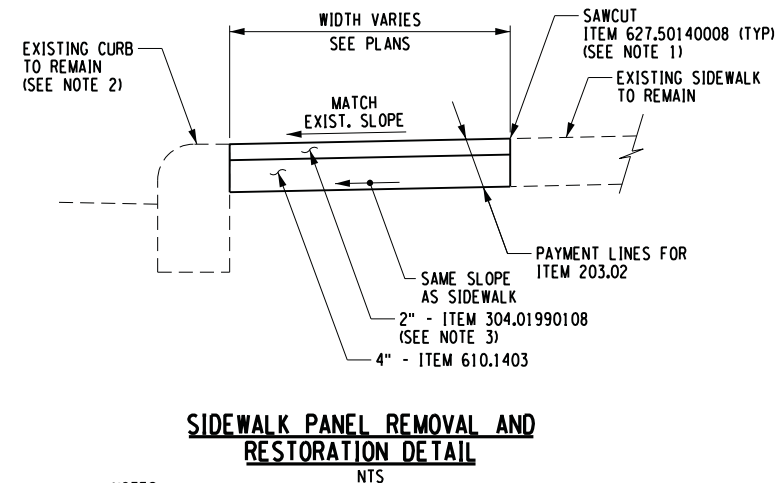
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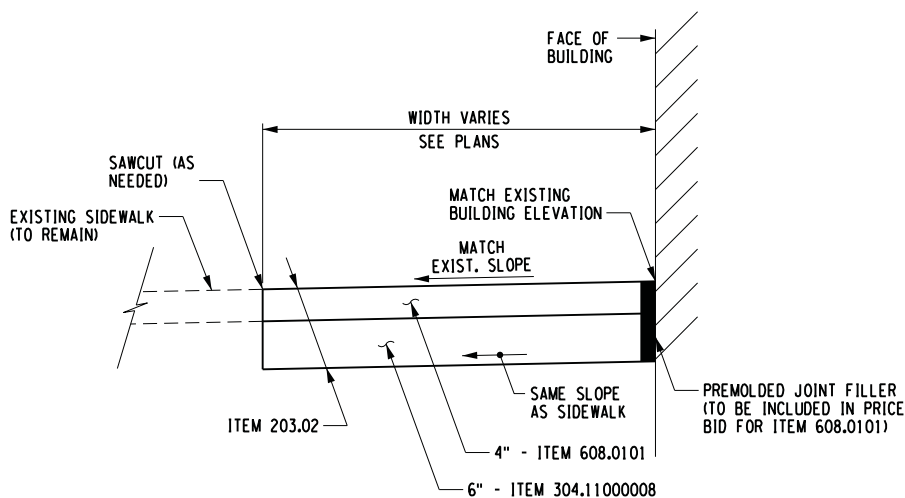
- NOTE:
1. CURB REVEAL SHALL BE 6" BUT SHALL VARY TO MATCH EXISTING CURB REVEAL AT TIE-IN POINTS, OR AS DIRECTED BY ENGINEER.



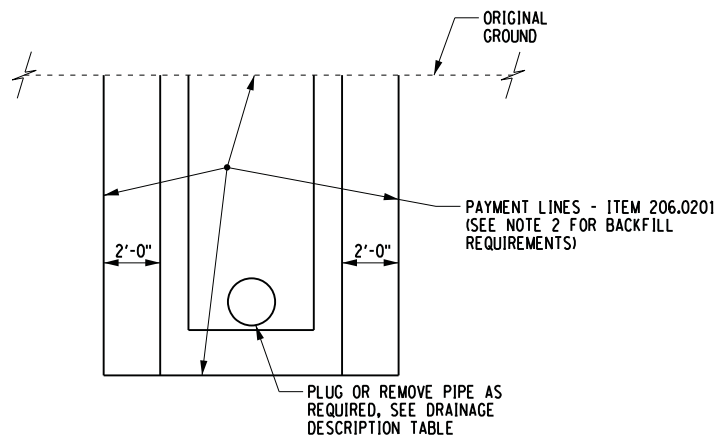
- NOTE:
1. CURB REVEAL SHALL BE 6" BUT SHALL VARY TO MATCH EXISTING CURB REVEAL AT TIE-IN POINTS, OR AS DIRECTED BY ENGINEER.



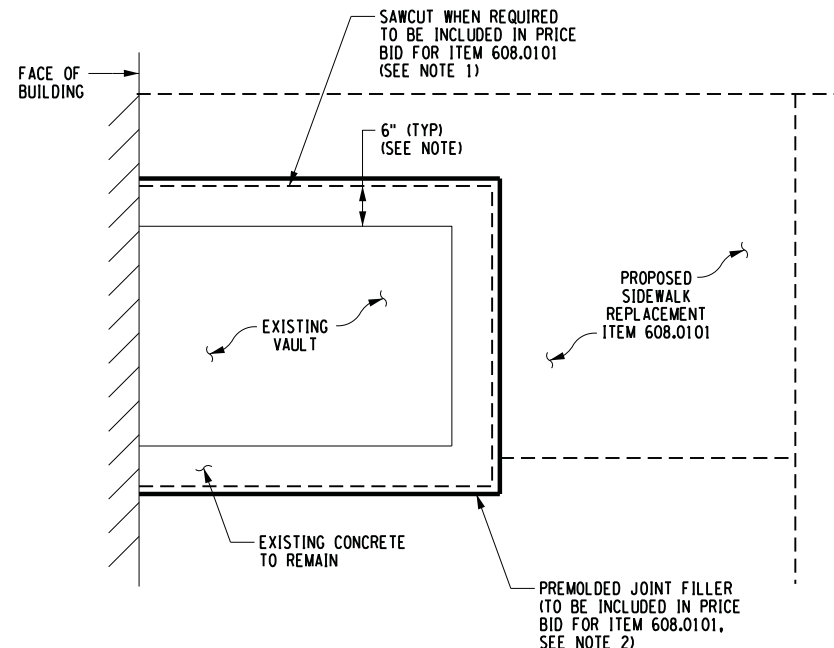
- NOTES:
1. CUT PAVEMENT/SIDEWALK, AS NECESSARY, TO LIMITS SHOWN ON GENERAL PLANS.
 2. SEE CURB REPLACEMENT DETAIL, THIS SHEET, FOR AREAS THAT INCLUDE BOTH PAVEMENT REMOVALS AND CURB REPLACEMENT.



SIDEWALK REPLACEMENT ADJACENT TO BUILDING/FACADES
NTS
(SEE PLANS FOR LOCATIONS)

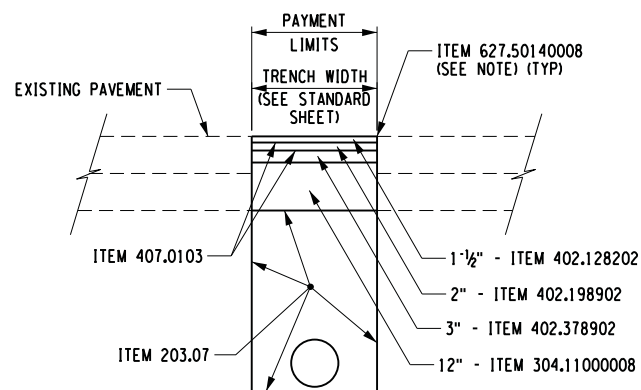


- NOTE:
1. IF THE EXCAVATION LIMITS FOR THE INSTALLATION OF A NEW STRUCTURE OVERLAPS THE EXCAVATION LIMITS FOR STRUCTURE REMOVAL, PAYMENT FOR EXCAVATION SHALL BE PAID ONLY FOR THE NEW STRUCTURE INSTALLATION.
 2. BACKFILL WILL BE ITEM 203.07 AND WILL BE PAID FOR SEPARATELY.

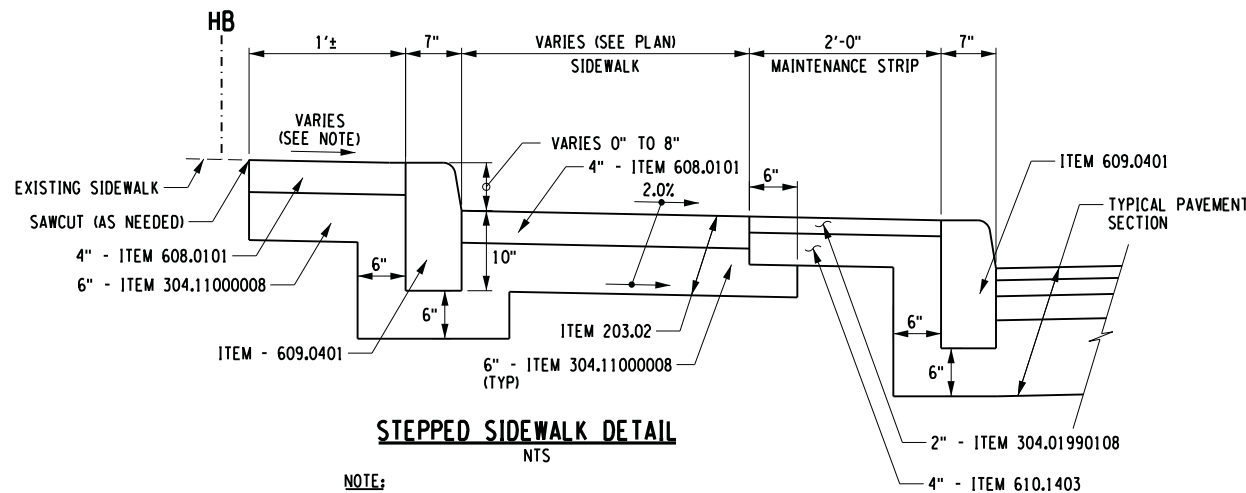


MAINTAIN EXISTING COVER/BASEMENT ACCESS DETAIL
NTS

- NOTES:
1. SAWCUT EXISTING SIDEWALK PANELS 6" FROM EDGE OF VAULT COVER/BASEMENT DOOR UNLESS EXISTING JOINT IS WITHIN VICINITY OF THE COVER AS APPROVED BY THE ENGINEER. ANY DAMAGE TO EXISTING VAULT SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.
 2. PREMOULDED JOINT FILLER TO BE PLACE AT INTERFACE BETWEEN PROPOSED AND EXISTING SIDEWALK.



- NOTE:
1. SAWCUT WILL ONLY BE REQUIRED WHEN EXISTING PAVEMENT IS NOT BEING RECONSTRUCTED.



- NOTE:
1. SLOPE SIDEWALK BEHIND UPPER CURB TO PITCH POSITIVELY TOWARDS CURB AND MATCH EXISTING WHERE FEASIBLE.



VILLAGE OF COLD SPRING
PUTNAM COUNTY, N.Y.



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PIN 8759.53 & 8760.04
CORRIDOR IMPROVEMENTS
MAIN STREET &
ANCILLARY STREETS
VILLAGE OF COLD SPRING,
PUTNAM COUNTY, NY

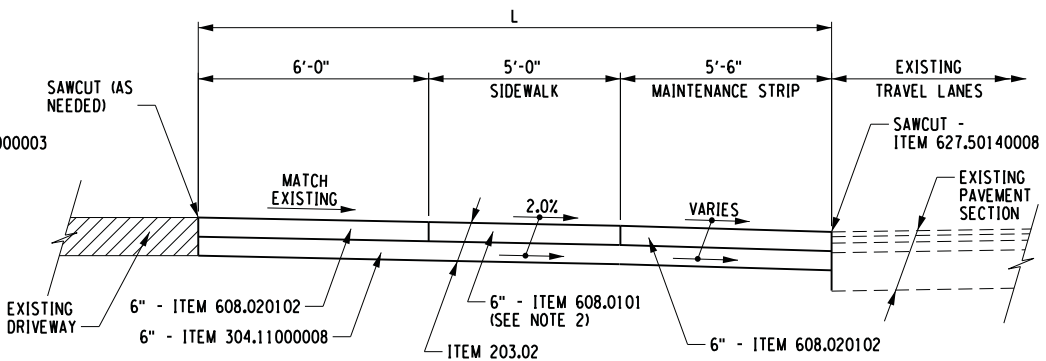
MISCELLANEOUS
DETAILS

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| Drawn By: TJB | Scale: AS SHOWN | |
| Checked By: MTS | Plot Date: 11/23/2015 | SHEET 14 |

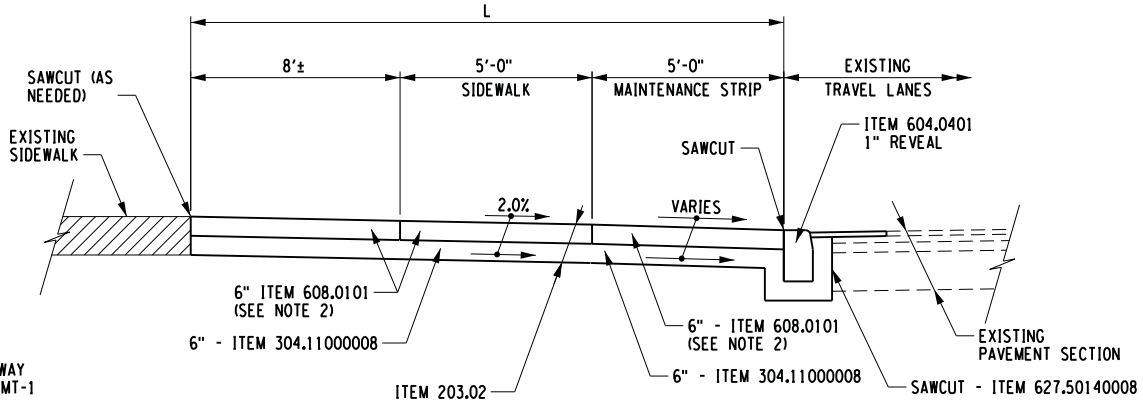
A circular professional engineer seal for the State of New York. The outer ring contains the text "STATE OF NEW YORK" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside the ring, the name "MANUEL T. SALORIO, JR." is written in an arc. The center of the seal features the State of New York coat of arms, which depicts a figure holding a staff with a serpent entwined around it, and a shield with various symbols. Below the coat of arms is a banner with the word "EUREKA". The number "076997" is printed at the bottom of the seal. The entire seal is overlaid with a large, stylized signature in black ink.

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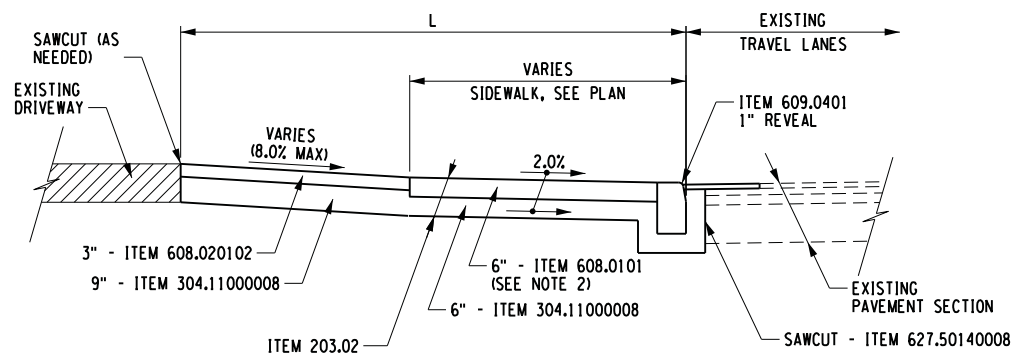
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| Drawn By: TJB | Scale: NTS | |
| Checked By: MTS | Plot Date: 11/23/2015 | |



SECTION C-C
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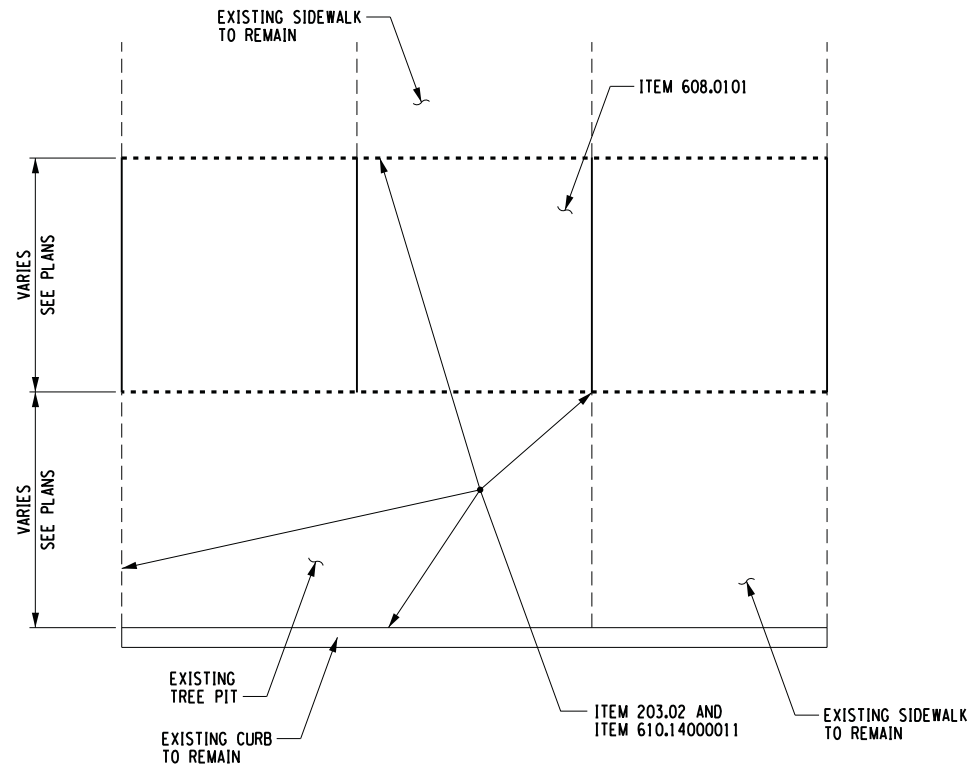


SECTION B-B
NTS



SECTION A-A
NTS

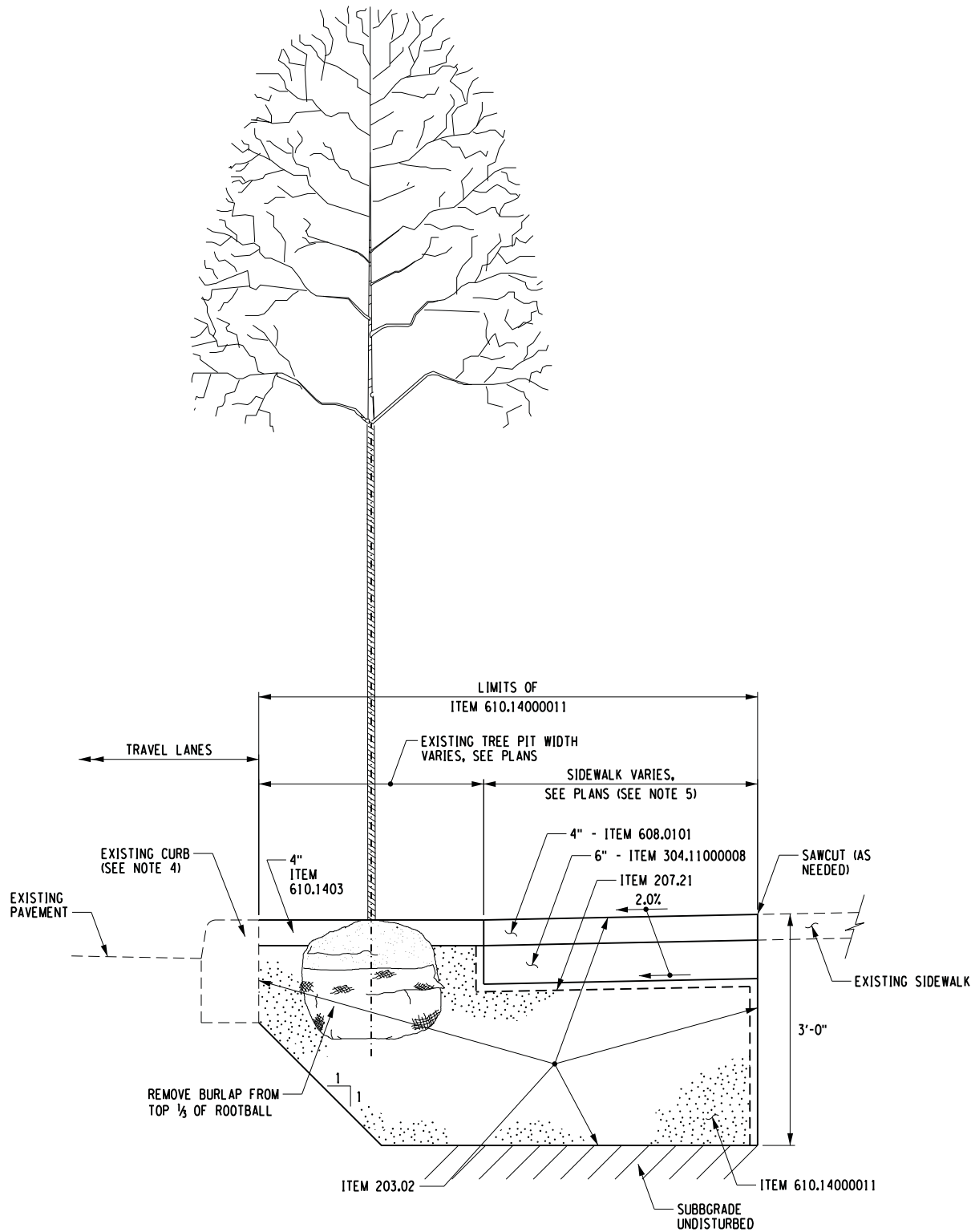
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DATE/TIME = 11/23/2015
USER = 3170



PLANTING WITH STRUCTURAL SOIL
PLAN VIEW
NTS

NOTES:

1. THE EXCAVATION FOR THE INSTALLATION OF THE STRUCTURAL SOIL MIX, ITEM 610.14000011, SHALL BE TO THE LIMITS SHOWN AND PAID UNDER ITEM 203.02. THE CONTRACTOR SHALL TAKE GREAT CARE WHEN EXCAVATING WITHIN THE ZONE INDICATED AS EXISTING UNDERGROUND UTILITIES MAY BE ENCOUNTERED. IF UTILITIES ARE ENCOUNTERED, THESE UTILITIES SHALL BE SUPPORTED. THE ENGINEER MAY DETERMINE, ONCE THE UTILITIES ARE EXPOSED, THAT A RISK OF DAMAGE TO THE UTILITY MAY OCCUR IF THE ZONE OF STRUCTURAL SOIL MIX IS FULLY EXCAVATED. IF, IN THE OPINION OF THE ENGINEER, THIS RISK IS SIGNIFICANT, THE ENGINEER MAY ORDER THE CONTRACTOR TO REDUCE OR CHANGE THE LIMITS OF STRUCTURAL SOIL MIX PLACEMENT. PAYMENT FOR ITEM 610.14000011 - STRUCTURAL SOIL MIX, WILL ONLY BE MADE FOR SOIL ACTUALLY PLACED.
2. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT SIGNIFICANT LEAD TIMES MAY BE REQUIRED BY THE SUPPLIER OF THE STRUCTURAL SOIL MIX. ACCESS TO BUSINESS AND HOMES SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL NOT BE ALLOWED TO EXCAVATE FOR THE STRUCTURAL SOIL MIX UNLESS THE SOIL IS ON SITE. THE CONTRACTOR SHALL ONLY EXCAVATE FOR THAT AMOUNT OF STRUCTURAL SOIL MIX THAT CAN BE PLACED THAT DAY.
3. BACKING MATERIAL BEHIND THE CURB PLACED TO SUPPORT THE CURB SHALL NOT BE DISTURBED DURING EXCAVATION FOR STRUCTURAL SOIL MIX.
4. SEE PLANS FOR AREAS OF CURB REPLACEMENT.
5. SIDEWALK WIDTH FOR PLACEMENT OF ITEM 610.14000011 FOR TREE AT STA 12+50 LT SHALL BE 5 FEET.

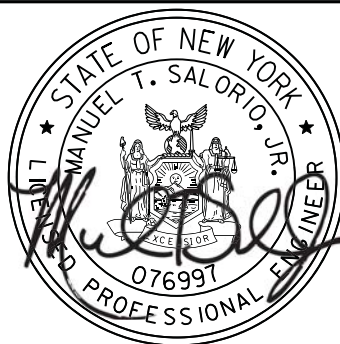


PLANTING WITH STRUCTURAL SOIL
SECTION VIEW
NTS

STA 11+39, RT
STA 12+50, LT
STA FS 2+20, LT



VILLAGE OF COLD SPRING
PUTNAM COUNTY, N.Y.



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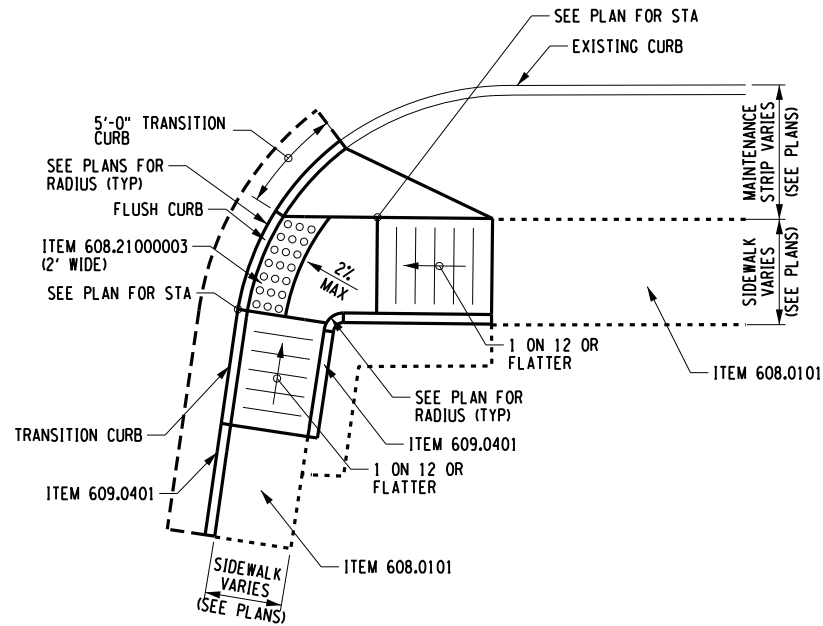
PIN 8759.53 & 8760.04
CORRIDOR IMPROVEMENTS
MAIN STREET &
ANCILLARY STREETS
VILLAGE OF COLD SPRING,
PUTNAM COUNTY, NY

MISCELLANEOUS
DETAILS

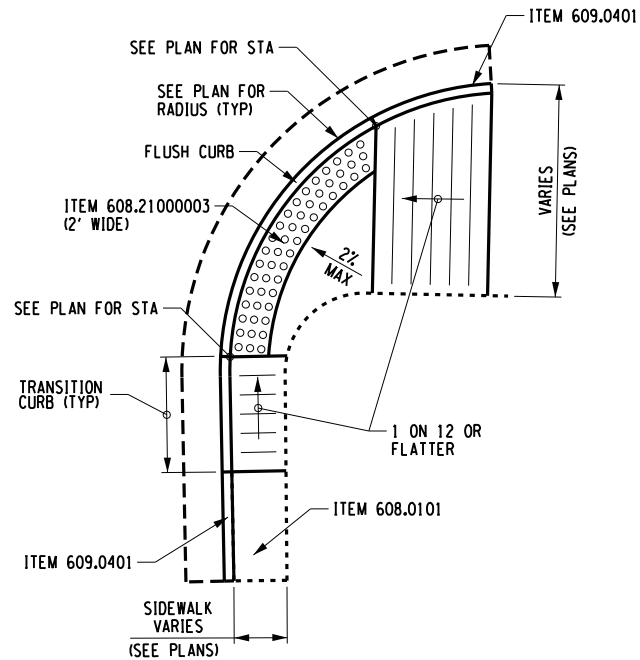
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| Designed By: RD | Project No.: 21204 | Drawing No.: |
| Drawn By: TJB | Scale: NTS | MD-3 |
| Checked By: MTS | Plot Date: 11/23/2015 | |
| | | SHEET 16 |

| SIDEWALK RAMP TABLE | | |
|---------------------|--------|----------------------|
| STATION | OFFSET | TYPE |
| 10+71.2 | LT | 7 (MOD)* |
| 10+84.0 | RT | 7 (MOD) |
| 11+10.4 | RT | A |
| 12+89.2 | LT | A |
| 13+28+5 | LT | 7 (MOD) |
| 13+94.0 | RT | A |
| 14+32.0 | RT | B |
| 15+09.7 | LT | A |
| 15+43.6 | LT | 7 |
| 15+57.4 | LT | 7 |
| 15+62.4 | RT | 9 (MOD) |
| 18+22.5 | LT | 7 (MOD) |
| 18+26.2 | RT | 7 |
| 18+43.7 | RT | 7 |
| 18+49.2 | LT | 7 (MOD) |
| 18+73.3 | RT | C |
| 21+44.6 | LT | SEE DETAIL, DWG MD-2 |
| 21+75.8 | LT | 7 (MOD) |
| 21+95.9 | RT | A |
| 22+29.4 | RT | A |
| 23+95.2 | LT | D |
| 24+41.3 | LT | A |
| FA 5+41.0 | LT | 9 |
| FA 5+48.3 | RT | E |
| FA 5+91.0 | RT | E |
| FS 3+88.0 | RT | 2 |
| FS 4+52.3 | LT | 2 |
| FS 5+00.0 | LT | 2** |

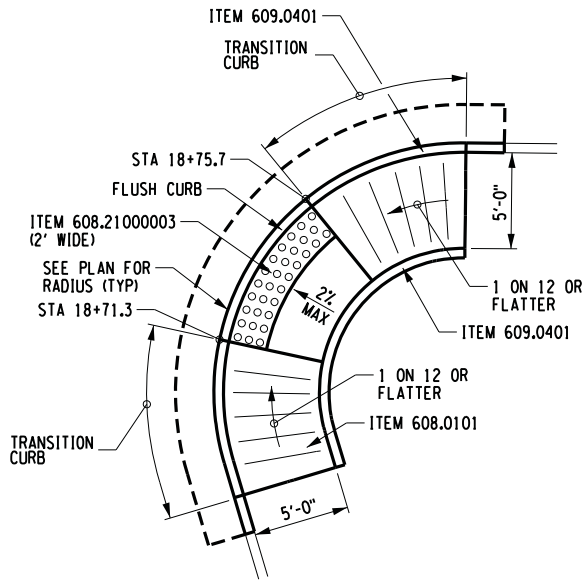
* FOR TYPE 1, TYPE 2, TYPE 7 AND TYPE 9 REFER TO NYS STANDARD SHEET 608-01
** SEE NOTE 1 ON DWG P-9



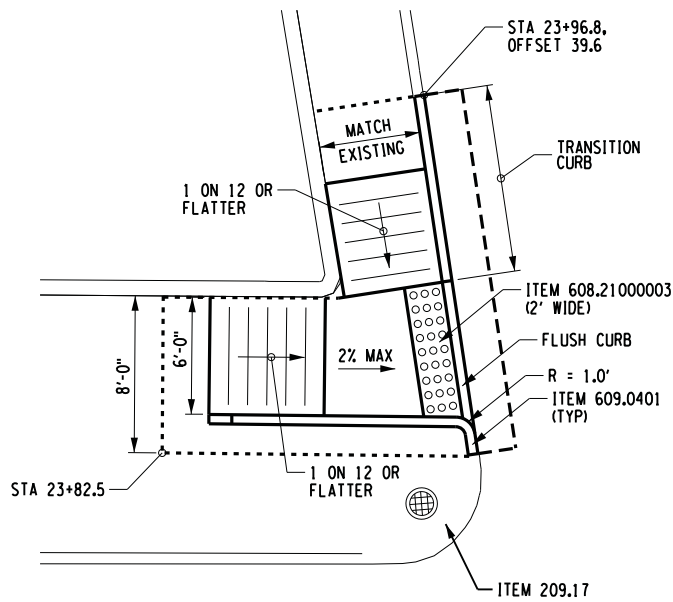
TYPE A RAMP DETAIL
NTS



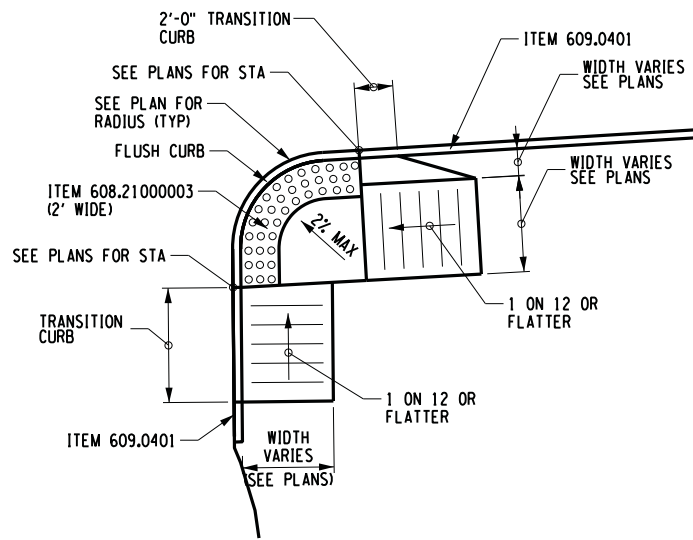
TYPE B RAMP DETAIL
NTS



TYPE C RAMP DETAIL
NTS



TYPE D RAMP DETAIL
NTS



TYPE E RAMP DETAIL
NTS

FILE NAME : U:\21204\ACADD\MSTN\21204_cph.msd.04.dgn
DATE/TIME : 11/23/2015
USER : 3170



VILLAGE OF COLD SPRING
PUTNAM COUNTY, N.Y.



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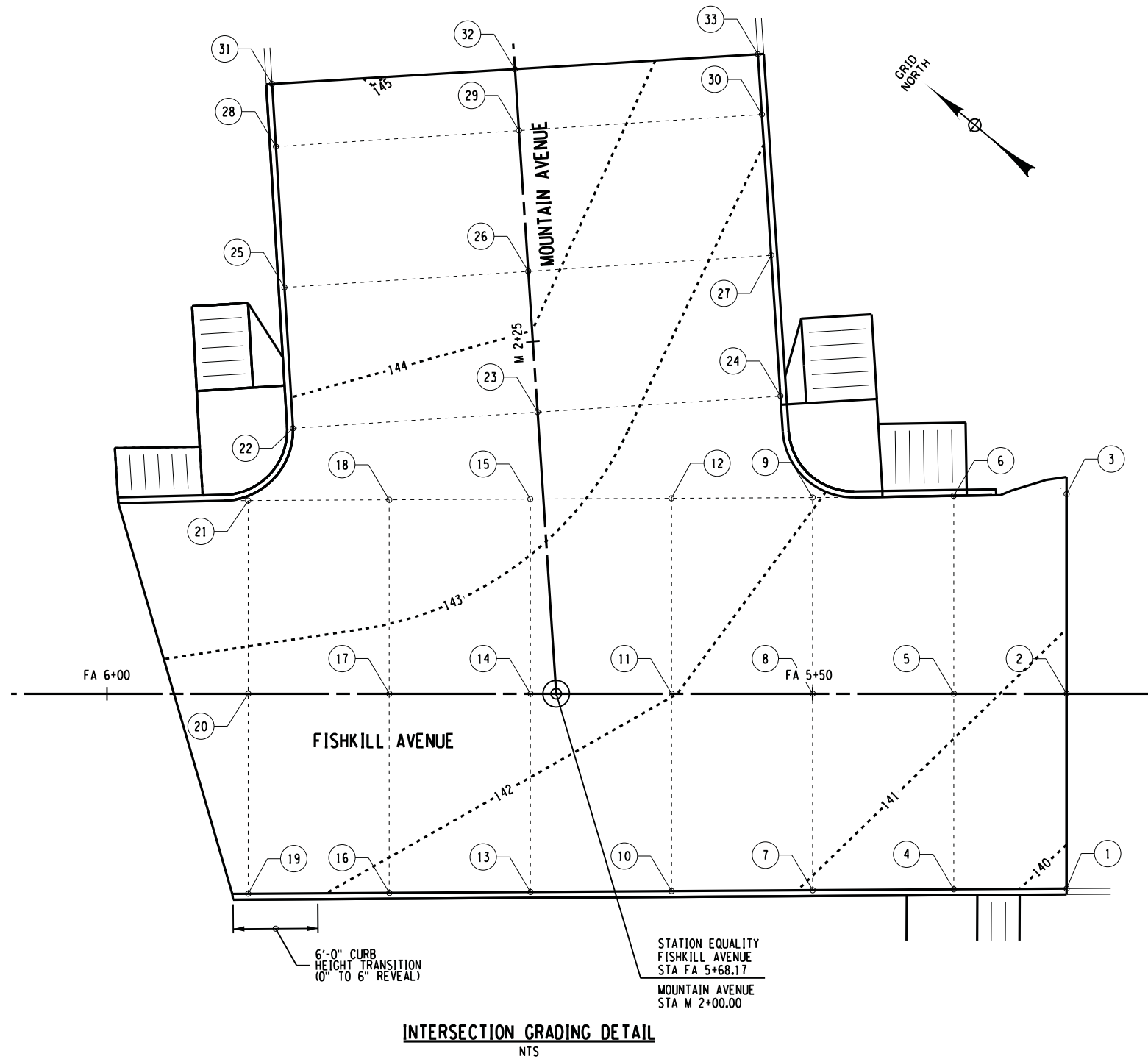
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PIN 8759.53 & 8760.04
CORRIDOR IMPROVEMENTS
MAIN STREET &
ANCILLARY STREETS
VILLAGE OF COLD SPRING,
PUTNAM COUNTY, NY

MISCELLANEOUS
DETAILS

| | | |
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| Designed By: RD | Project No.: 21204 | Drawing No.: MD-4 |
| Drawn By: MED | Scale: NTS | |
| Checked By: MTS | Plot Date: 11/23/2015 | SHEET 17 |

FILE NAME : U:\21204\ACADD\MSTN\21204_cph.msd.05.dgn
DATE/TIME : 11/23/2015
USER : 3170



TOP OF PAVEMENT ELEVATIONS

| STATION | POINT | OFFSET | ELEVATION |
|-----------------|-------|--------|-------------|
| FISHKILL AVENUE | | | |
| FA 5+32.0 | 1 | 13.8 | MATCH EXIST |
| | 2 | 0 | MATCH EXIST |
| | 3 | 14.1 | MATCH EXIST |
| FA 5+40.0 | 4 | 13.9 | 140.4 |
| | 5 | 0 | 141.2 |
| | 6 | 14.0 | 141.6 |
| FA 5+50.0 | 7 | 13.9 | 141.0 |
| | 8 | 0 | 141.6 |
| | 9 | 13.9 | 142.0 |
| FA 5+60.0 | 10 | 14.0 | 141.3 |
| | 11 | 0 | 142.0 |
| | 12 | 13.9 | 142.6 |
| FA 5+70.0 | 13 | 14.0 | 141.7 |
| | 14 | 0 | 142.4 |
| | 15 | 13.8 | 143.4 |
| FA 5+80.0 | 16 | 14.1 | 141.9 |
| | 17 | 0 | 142.7 |
| | 18 | 13.8 | 143.6 |
| FA 5+90.0 | 19 | 14.1 | 142.1 |
| | 20 | 0 | 142.8 |
| | 21 | 13.7 | 143.7 |
| MOUNTAIN AVENUE | | | |
| M 2+20.0 | 22 | 17.4 | 143.9 |
| | 23 | 0 | 143.7 |
| | 24 | 17.2 | 142.4 |
| M 2+30.0 | 25 | 17.2 | 144.3 |
| | 26 | 0 | 144.1 |
| | 27 | 17.2 | 142.8 |
| M 2+40.0 | 28 | 17.2 | 144.8 |
| | 29 | 0 | 144.6 |
| | 30 | 17.2 | 143.1 |
| M 2+44.0 | 31 | 17.2 | MATCH EXIST |
| | 32 | 0 | MATCH EXIST |
| | 33 | 17.2 | MATCH EXIST |

THIS SHEET APPLIES TO
BID ALTERNATIVE 1.

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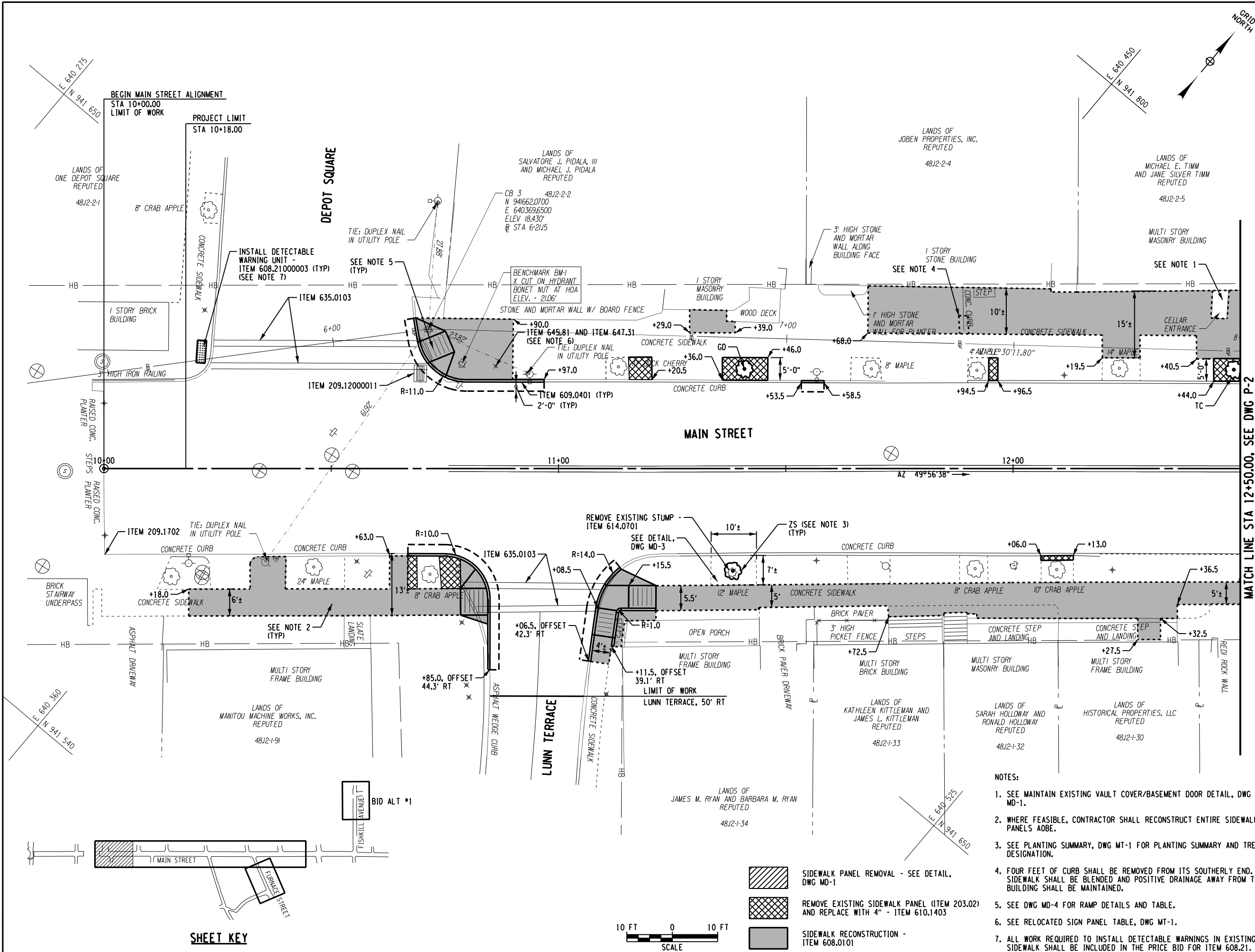
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CORRIDOR IMPROVEMENTS
MAIN STREET &
ANCILLARY STREETS
VILLAGE OF COLD SPRING,
PUTNAM COUNTY, NY

MISCELLANEOUS
DETAILS

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| Designed By: RD | Project No.: 21204 | Drawing No.: MD-5 SHEET 18 |
| Drawn By: MED | Scale: NTS | |
| Checked By: MTS | Plot Date: 11/23/2015 | |

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PUTNAM COUNTY, N.Y.



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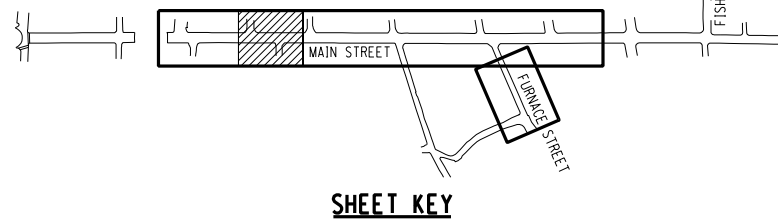
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CORRIDOR IMPROVEMENTS
MAIN STREET &
ANCILLARY STREETS
VILLAGE OF COLD SPRING,
PUTNAM COUNTY, NY

GENERAL PLAN

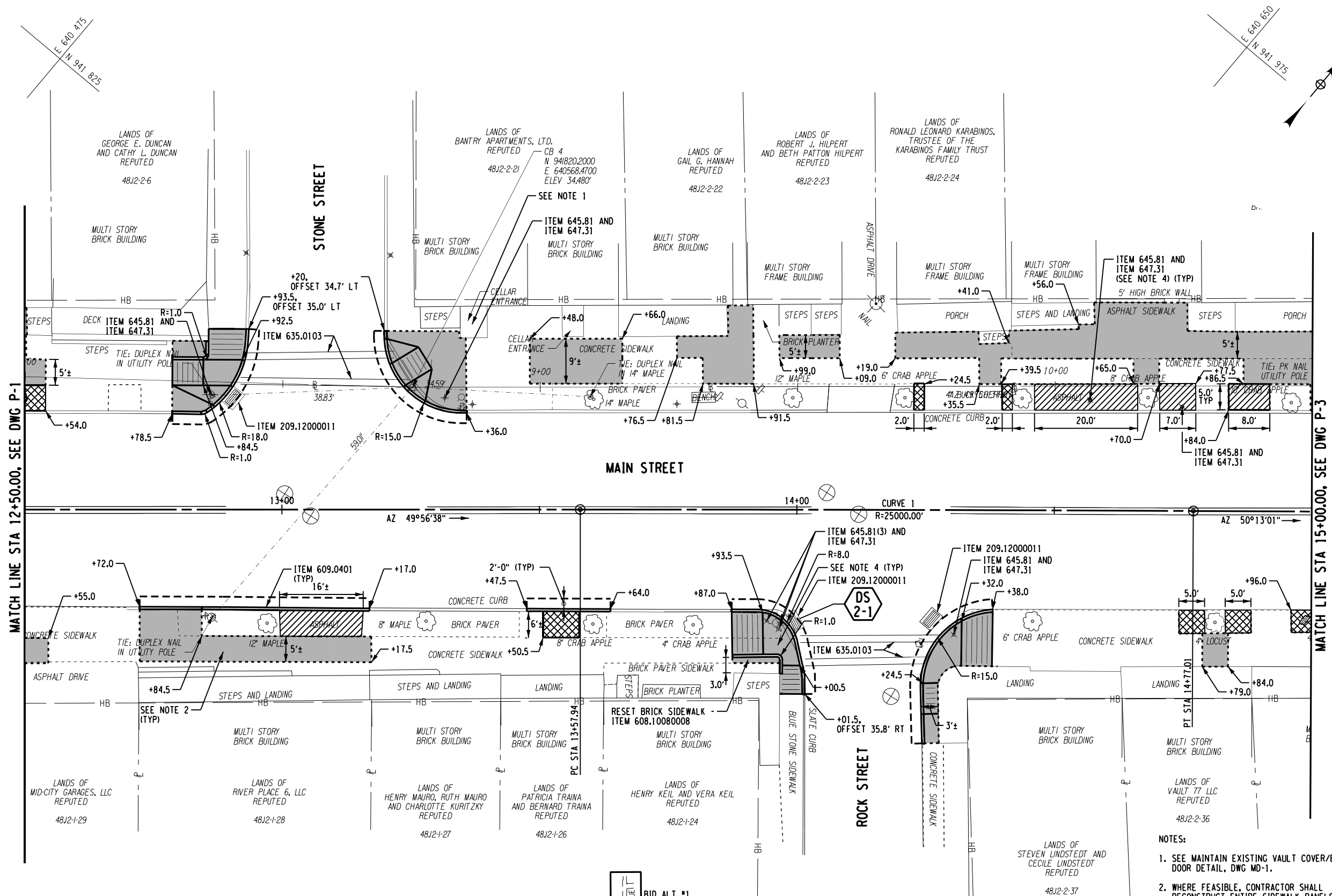
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| Designed By: RD | Project No.: 21204 | Drawing No.: P-1 |
| Drawn By: MED | Scale: AS SHOWN | |
| Checked By: MTS | Plot Date: 11/23/2015 | SHEET 19 |

FILE NAME = U:\21204\ACADD\MSTN\21204_cph.gnp.02.dgn
DATE/TIME = 11/23/2015
USER = 3170

| CURVE 1 | |
|---------|----------------|
| PC | = STA 13+57.94 |
| PT | = STA 14+77.01 |
| R | = 25000.00' |
| L | = 119.08' |
| T | = 59.54' |
| Δ | = 0°-16'-22" |
| e max | = NC |



SHEET KEY



- NOTES:
1. SEE MAINTAIN EXISTING VAULT COVER/BASEMENT DOOR DETAIL, DWG MD-1.
 2. WHERE FEASIBLE, CONTRACTOR SHALL RECONSTRUCT ENTIRE SIDEWALK PANELS ABOVE.
 3. SEE DWG MD-4 FOR RAMP DETAILS AND TABLE.
 4. SEE RELOCATED SIGN PANEL TABLE DWG MT-1.

- LEGEND:
- SIDEWALK PANEL REMOVAL - SEE DETAIL, DWG MD-1
 - REMOVE EXISTING SIDEWALK PANEL (ITEM 203.02) AND REPLACE WITH 4" - ITEM 610.1403
 - SIDEWALK RECONSTRUCTION - ITEM 608.0101



VILLAGE OF COLD SPRING
PUTNAM COUNTY, N.Y.



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PIN 8759.53 & 8760.04
CORRIDOR IMPROVEMENTS
MAIN STREET &
ANCILLARY STREETS
VILLAGE OF COLD SPRING,
PUTNAM COUNTY, NY

GENERAL PLAN

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| Designed By: RD | Project No.: 21204 | Drawing No.: P-2 |
| Drawn By: MED | Scale: AS SHOWN | |
| Checked By: MTS | Plot Date: 11/23/2015 | SHEET 20 |

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DATE/TIME = 11/23/2015
USER = 3170



VILLAGE OF COLD SPRING
PUTNAM COUNTY, N.Y.



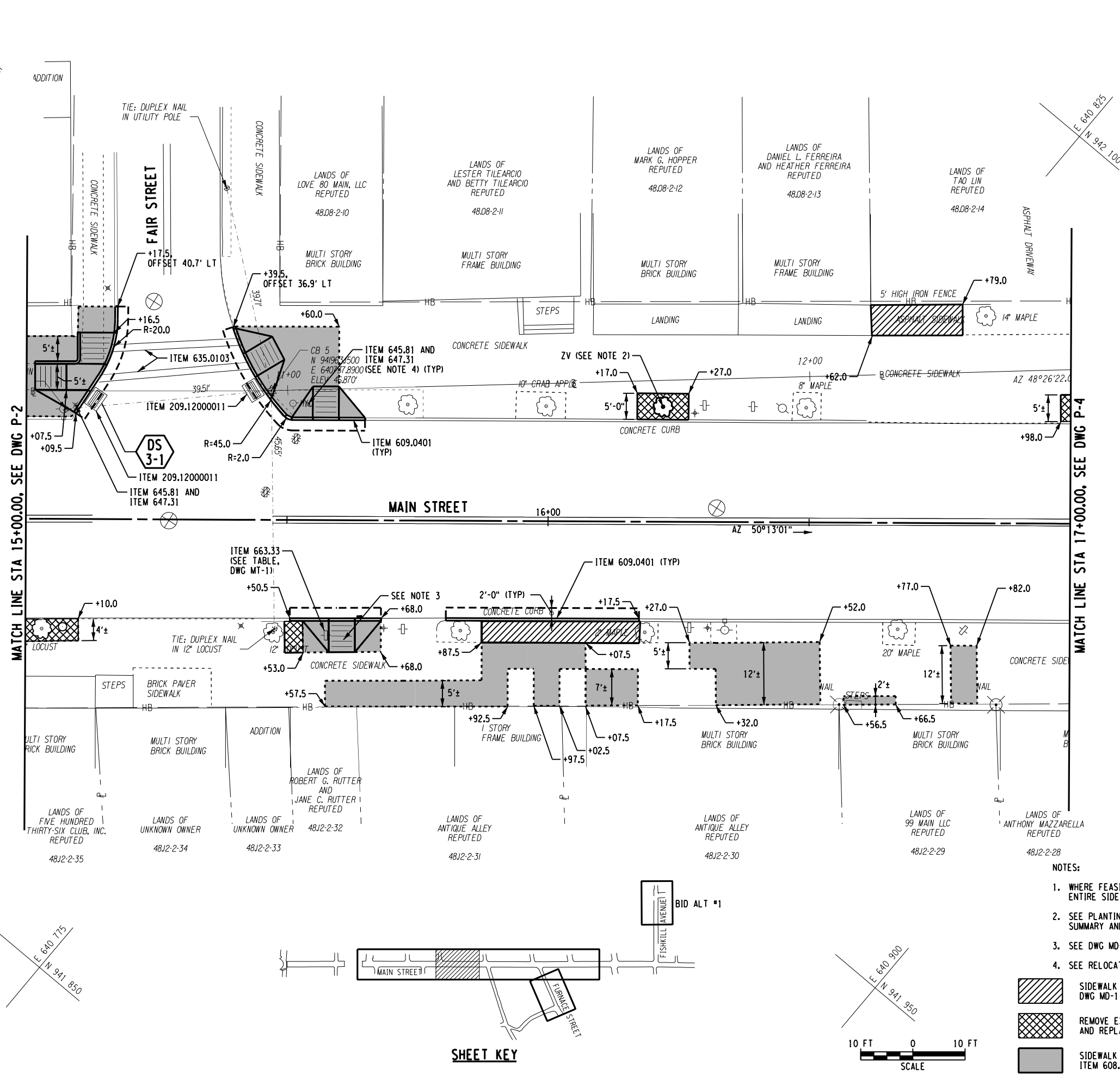
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PIN 8759.53 & 8760.04
CORRIDOR IMPROVEMENTS
MAIN STREET &
ANCILLARY STREETS
VILLAGE OF COLD SPRING,
PUTNAM COUNTY, NY

GENERAL PLAN

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| Designed By: RD | Project No.: 21204 | Drawing No.: P-3 |
| Drawn By: MED | Scale: AS SHOWN | |
| Checked By: MTS | Plot Date: 11/23/2015 | SHEET 21 |



NOTES:

- WHERE FEASIBLE, CONTRACTOR SHALL RECONSTRUCT ENTIRE SIDEWALK PANELS ABOVE.
- SEE PLANTING SUMMARY, DWG MT-1 FOR PLANTING SUMMARY AND TREE DESIGNATION.
- SEE DWG MD-4 FOR RAMP DETAILS AND TABLE.
- SEE RELOCATED SIGN PANEL TABLE DWG MT-1.



SIDEWALK PANEL REMOVAL - SEE DETAIL, DWG MD-1



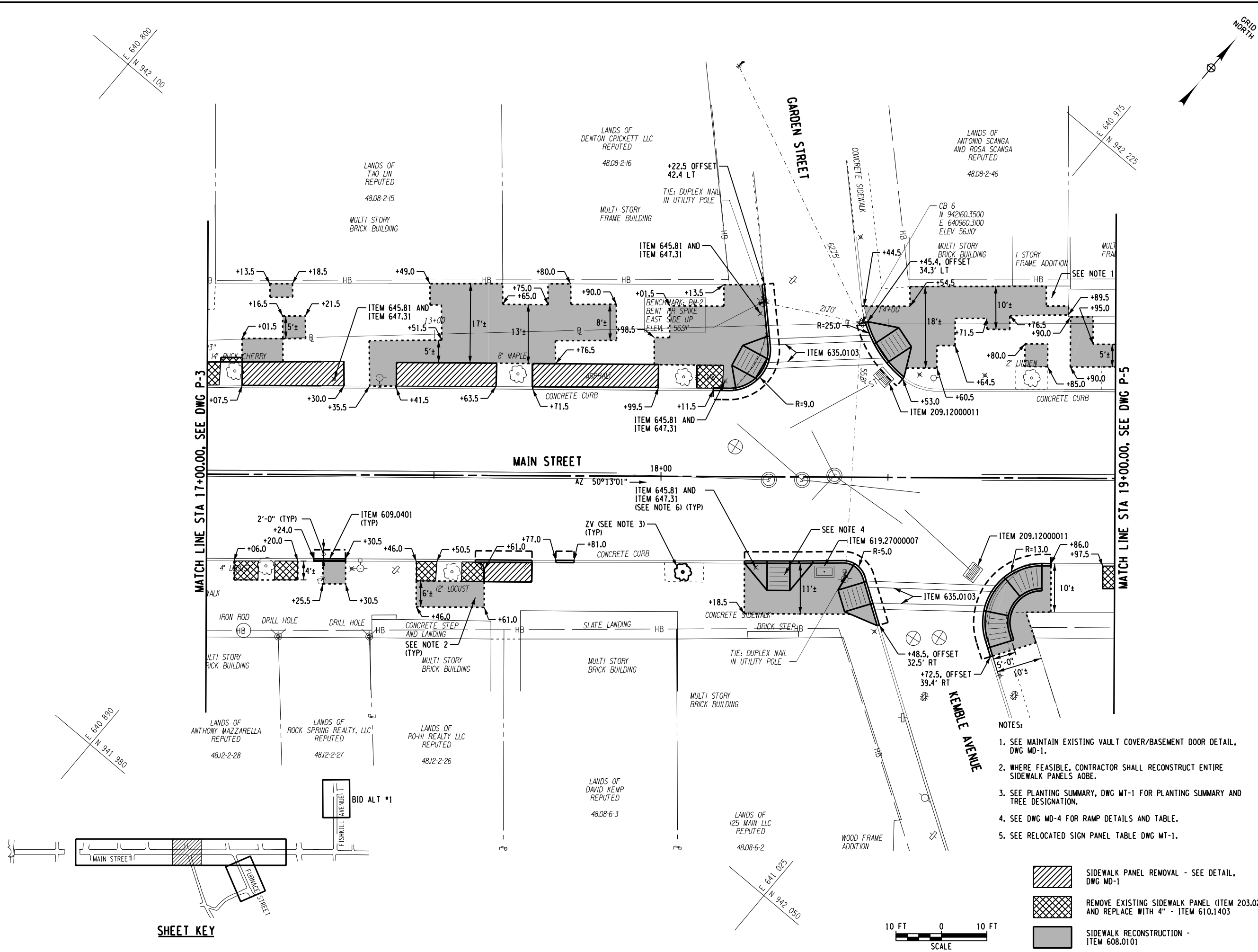
REMOVE EXISTING SIDEWALK PANEL (ITEM 203.02) AND REPLACE WITH 4" - ITEM 610.1403



SIDEWALK RECONSTRUCTION - ITEM 608.0101

SHEET KEY

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VILLAGE OF COLD SPRING
PUTNAM COUNTY, N.Y.



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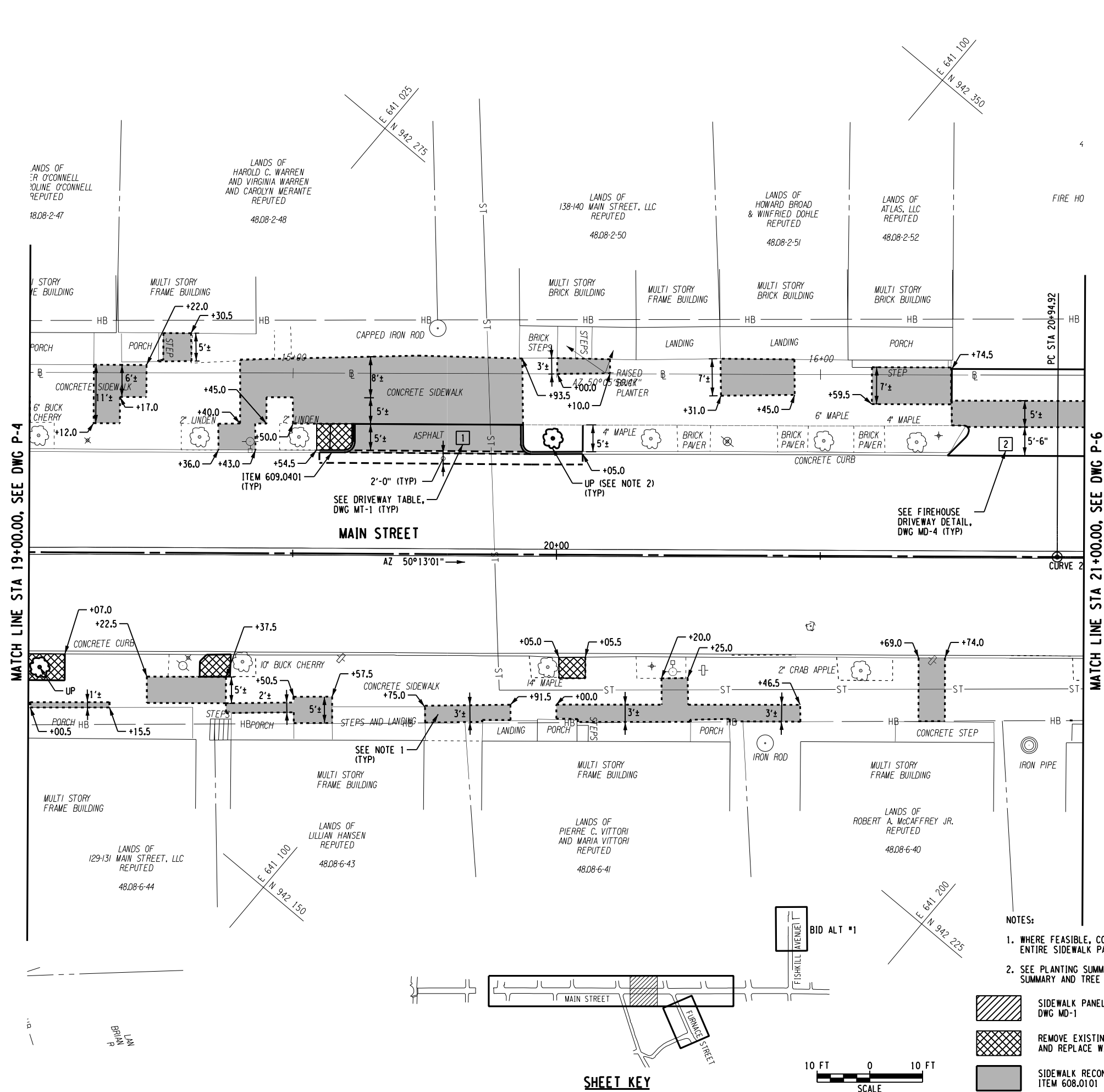
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CORRIDOR IMPROVEMENTS
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VILLAGE OF COLD SPRING,
PUTNAM COUNTY, NY

GENERAL PLAN

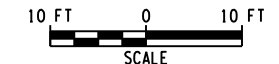
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| Designed By: RD | Project No.: 21204 | Drawing No.: P-4 |
| Drawn By: MED | Scale: AS SHOWN | SHEET 22 |
| Checked By: MTS | Plot Date: 11/23/2015 | |

FILE NAME = U:\21204\CADD\MSTN\21204_cph.gnp.05.dgn
DATE/TIME = 11/23/2015
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| CURVE 2 | |
|---------|----------------|
| PC | = STA 20+94.92 |
| PT | = STA 22+56.94 |
| R | = 15000.00' |
| L | = 162.01' |
| T | = 81.01' |
| Δ | = 0°-37'-08" |
| e max | = NC |



SHEET KEY



- NOTES:
- WHERE FEASIBLE, CONTRACTOR SHALL RECONSTRUCT ENTIRE SIDEWALK PANELS ABOVE.
 - SEE PLANTING SUMMARY, DWG MT-1 FOR PLANTING SUMMARY AND TREE DESIGNATION.
- | | |
|--|--|
| | SIDEWALK PANEL REMOVAL - SEE DETAIL, DWG MD-1 |
| | REMOVE EXISTING SIDEWALK PANEL (ITEM 203.02) AND REPLACE WITH 4" - ITEM 610.1403 |
| | SIDEWALK RECONSTRUCTION - ITEM 608.0101 |

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VILLAGE OF COLD SPRING

PUTNAM COUNTY, N.Y.

STATE OF NEW YORK

MANUEL T. SALORIO, JR.

REGISTERED PROFESSIONAL ENGINEER

076997

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CORRIDOR IMPROVEMENTS

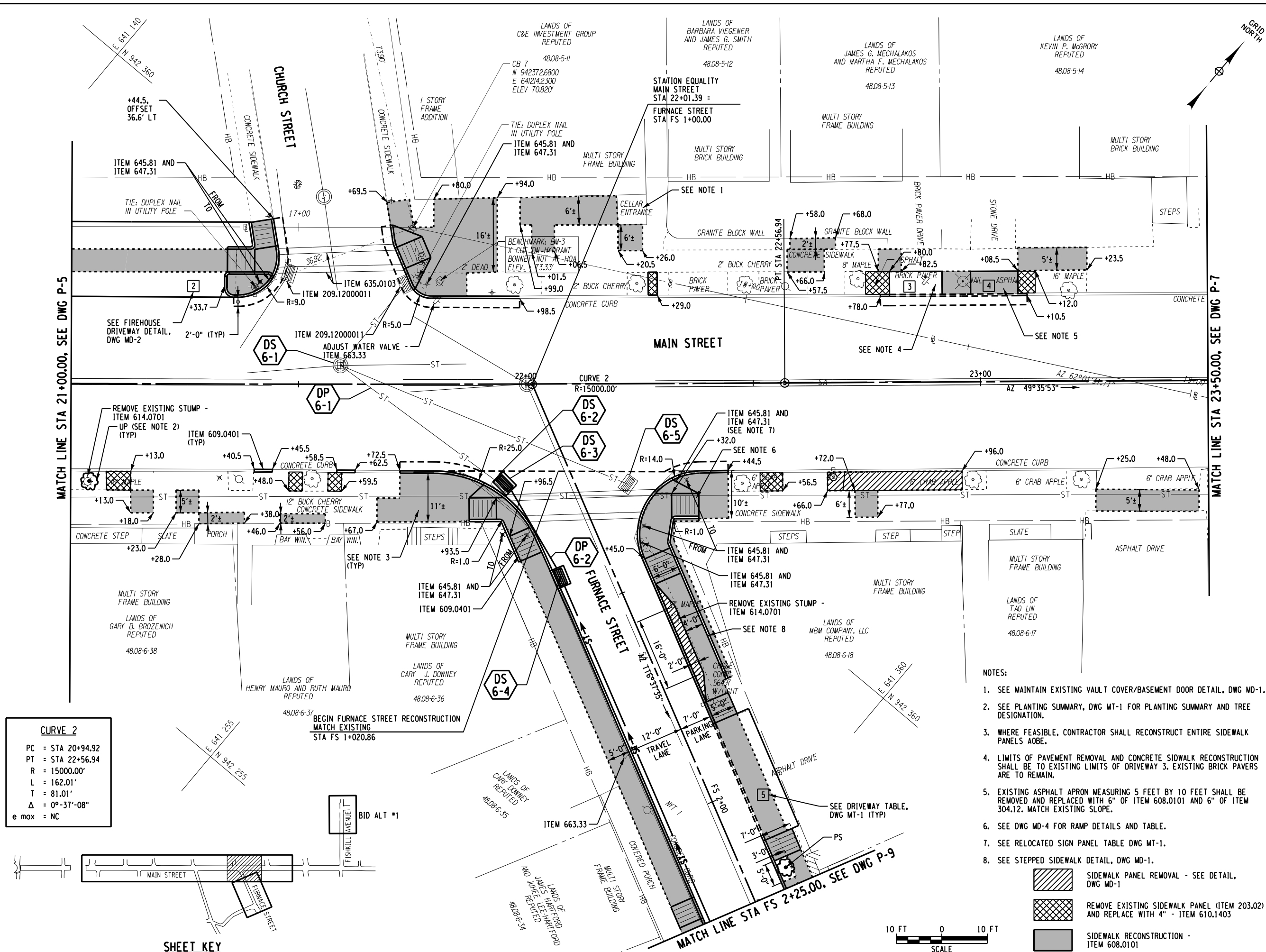
MAIN STREET & ANCILLARY STREETS

VILLAGE OF COLD SPRING, PUTNAM COUNTY, NY

GENERAL PLAN

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| Designed By: RD | Project No.: 21204 | Drawing No.: P-5 |
| Drawn By: MED | Scale: AS SHOWN | |
| Checked By: MTS | Plot Date: 11/23/2015 | SHEET 23 |

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VILLAGE OF COLD SPRING
PUTNAM COUNTY, N.Y.



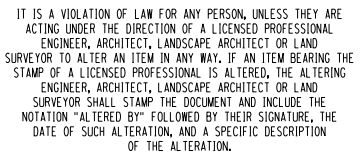
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CORRIDOR IMPROVEMENTS
MAIN STREET &
ANCILLARY STREETS
VILLAGE OF COLD SPRING,
PUTNAM COUNTY, NY

GENERAL PLAN

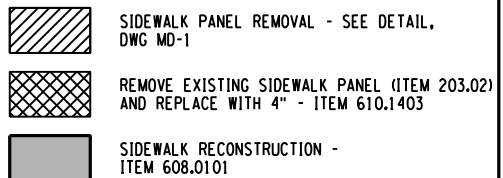
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| Checked By: MTS | Plot Date: 11/23/2015 | |



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CORRIDOR IMPROVEMENTS
MAIN STREET &
ANCILLARY STREETS
VILLAGE OF COLD SPRING,
PUTNAM COUNTY, NY

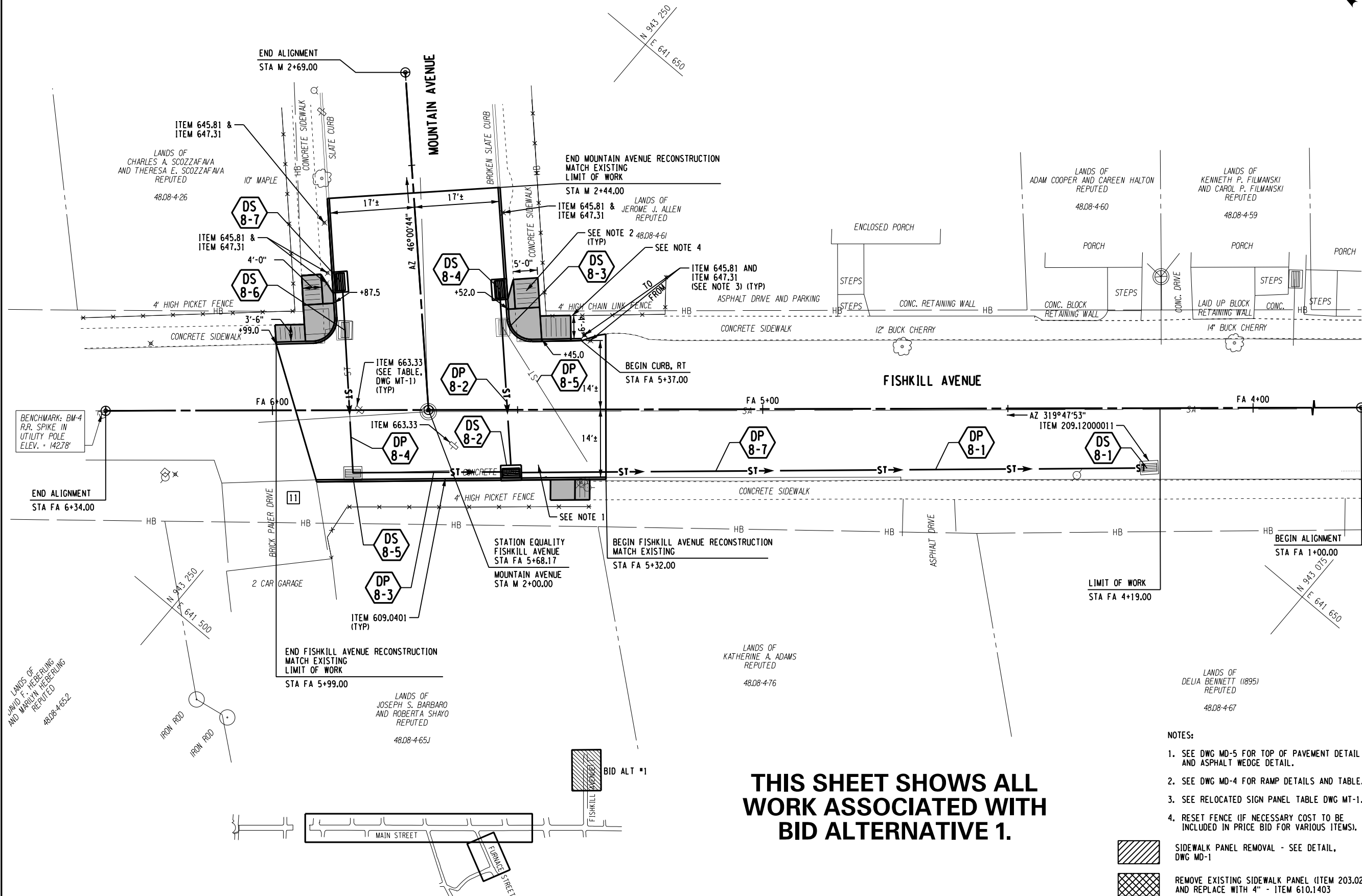
GENERAL PLAN

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| Designed By: RD | Project No.: 21204 | Drawing No.: <div style="font-size: 2em; font-weight: bold; text-align: center;">P-7</div> SHEET 25 |
| Drawn By: MED | Scale: AS SHOWN | |
| Checked By: MTS | Plot Date: 11/23/2015 | |



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DATE/TIME = 11/23/2015
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**THIS SHEET SHOWS ALL
WORK ASSOCIATED WITH
BID ALTERNATIVE 1.**

- NOTES:
1. SEE DWG MD-5 FOR TOP OF PAVEMENT DETAIL AND ASPHALT WEDGE DETAIL.
 2. SEE DWG MD-4 FOR RAMP DETAILS AND TABLE.
 3. SEE RELOCATED SIGN PANEL TABLE DWG MT-1.
 4. RESET FENCE (IF NECESSARY COST TO BE INCLUDED IN PRICE BID FOR VARIOUS ITEMS).

- SIDEWALK PANEL REMOVAL - SEE DETAIL, DWG MD-1**
- REMOVE EXISTING SIDEWALK PANEL (ITEM 203.02) AND REPLACE WITH 4" - ITEM 610.1403**
- SIDEWALK RECONSTRUCTION - ITEM 608.0101**



VILLAGE OF COLD SPRING
PUTNAM COUNTY, N.Y.



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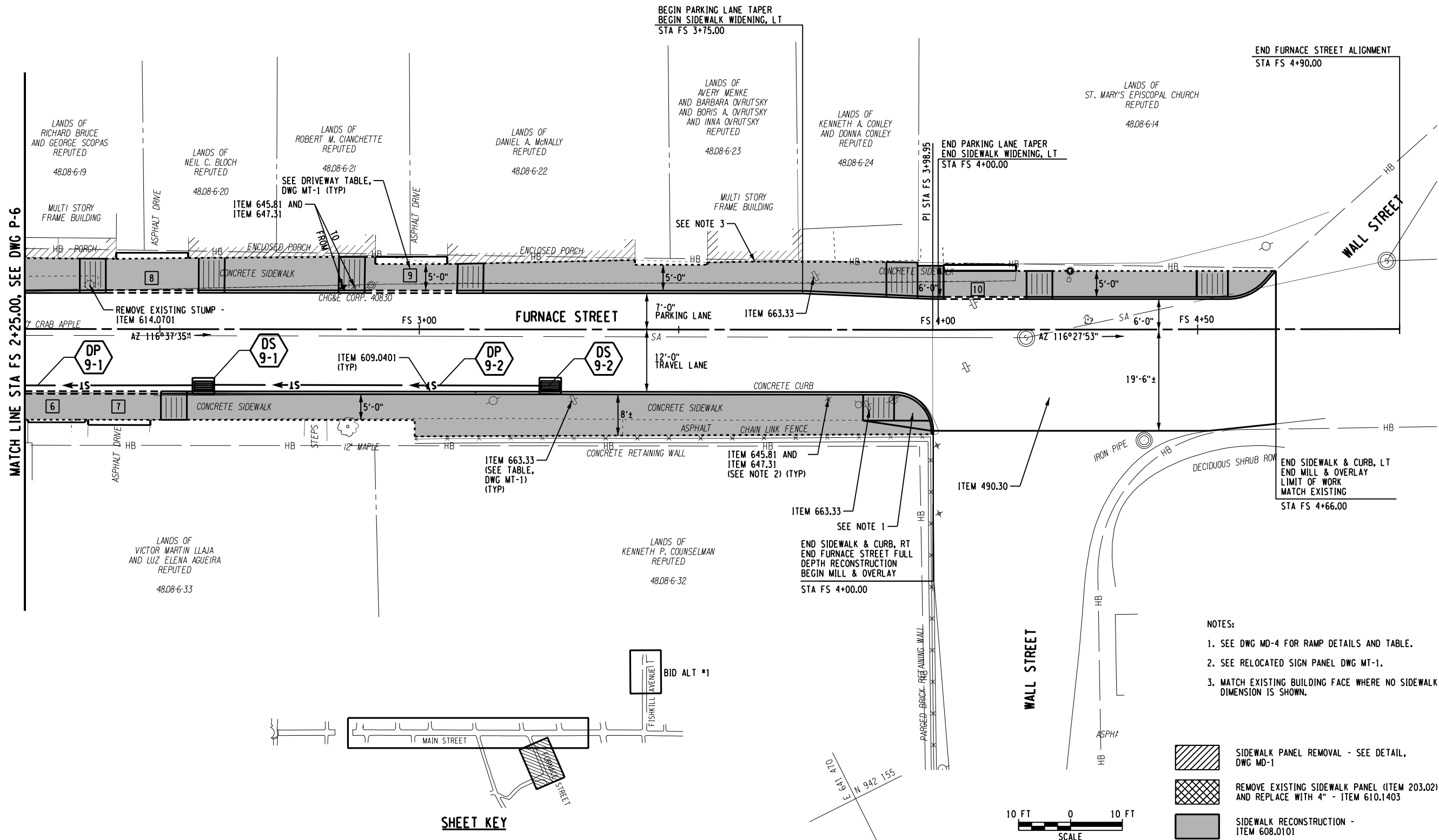
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**CORRIDOR IMPROVEMENTS
MAIN STREET &
ANCILLARY STREETS**
VILLAGE OF COLD SPRING,
PUTNAM COUNTY, NY

GENERAL PLAN

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| Designed By: RD | Project No.: 21204 | Drawing No.: P-8 |
| Drawn By: MED | Scale: AS SHOWN | |
| Checked By: MTS | Plot Date: 11/23/2015 | SHEET 26 |

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VILLAGE OF COLD SPRING

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PUTNAM COUNTY, N.Y.

STATE OF NEW YORK

MANUEL T. SALORIO, JR.

076997

REGISTERED PROFESSIONAL ENGINEER

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 |
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PIN 8759.53 & 8760.04

CORRIDOR IMPROVEMENTS

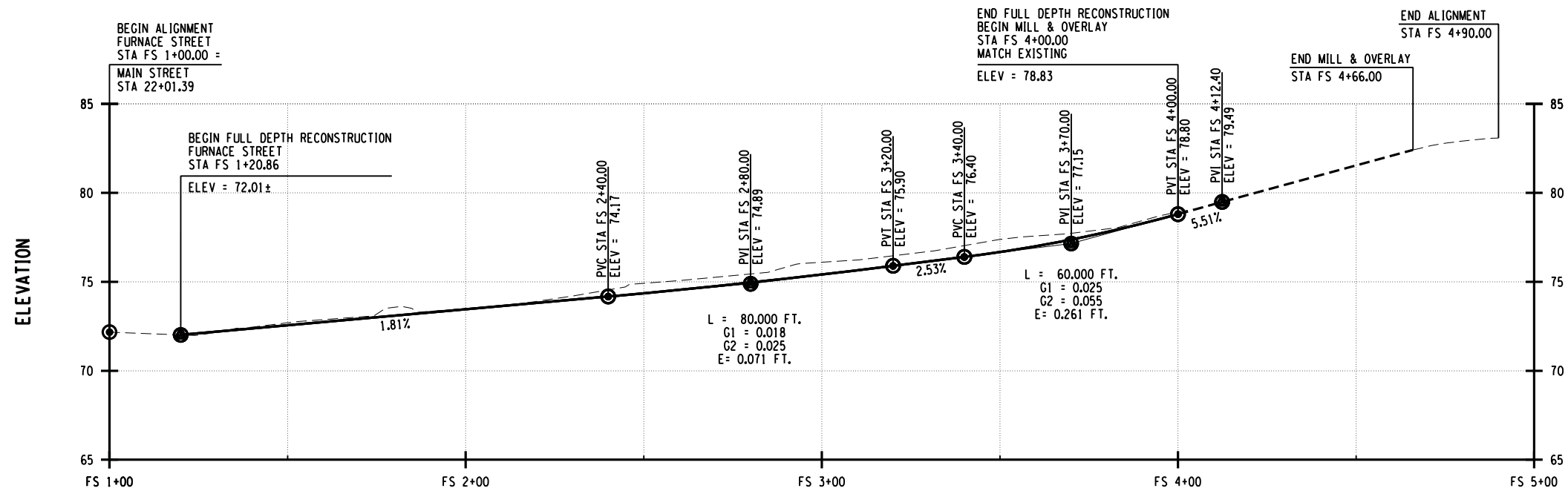
MAIN STREET & ANCILLARY STREETS

VILLAGE OF COLD SPRING,
PUTNAM COUNTY, NY

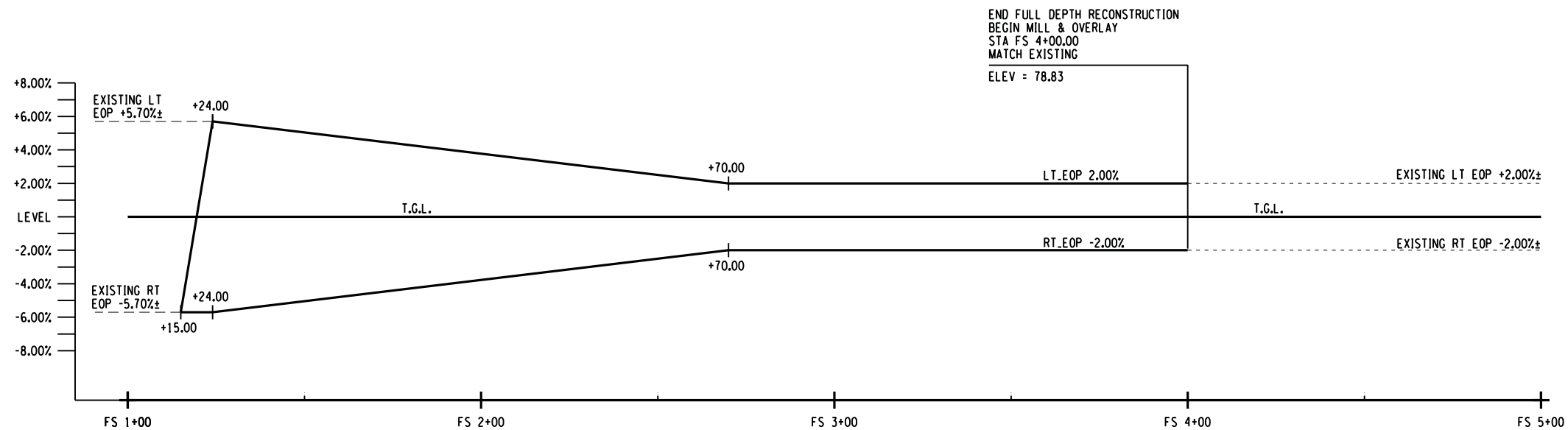
GENERAL PLAN

| | | |
|--------------------|--------------------------|----------------------------|
| Designed By: RD | Project No.: 21204 | Drawing No.: P-9 |
| Drawn By: MED | Scale: AS SHOWN | SHEET 27 |
| Checked By: MTS | Plot Date: 11/23/2015 | |

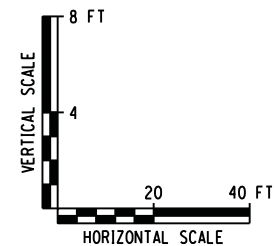
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DATE/TIME = 11/23/2015
USER = 3170



FURNACE STREET PROFILE



FURNACE STREET BANKING DIAGRAM



VILLAGE OF COLD SPRING
PUTNAM COUNTY, N.Y.



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| No. | Submittal / Revision | Appd. | Date |
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PIN 8759.53 & 8760.04
CORRIDOR IMPROVEMENTS
MAIN STREET &
ANCILLARY STREETS
VILLAGE OF COLD SPRING,
PUTNAM COUNTY, NY

PROFILE

| | | |
|--------------------|--------------------------|-----------------------------|
| Designed By: RD | Project No.: 21204 | Drawing No.: PR-1 |
| Drawn By: MED | Scale: AS SHOWN | |
| Checked By: MTS | Plot Date: 11/23/2015 | SHEET 28 |

FILE NAME : U:\21204\CADD\MSTN\21204_cph.dt.01.dgn
DATE/TIME : 11/23/2015
USER : 3170

| TABLE OF PROPOSED DRAINAGE | | | | | | | | | | | | | | | | | | | |
|----------------------------|-----------------------------|------------|----------|--------------------------------|---|---|--------|----------|--------|----------|----------|------------|------------|------------|--------|--------|----------|----------|------------------------------------|
| DRAINAGE NUMBER | DRAINAGE FEATURE | STATION | OFFSET | INVERT ELEVATION (EXIST) | FINISHED TOP OF GRATE ELEVATION (EXIST) | DESCRIPTION OF WORK | | | | | | | | | | | | | REMARKS |
| | | | | | | | 203.07 | 206.0201 | 552.17 | 603.6002 | 603.9818 | 604.070801 | 604.301772 | 604.302122 | 621.03 | 621.04 | 655.0705 | 655.1122 | |
| | | | | | | | CY | CY | SF | LF | LF | EA | LF | LF | LF | EA | EA | EA | |
| DS 2-1 | EXISTING DRAINAGE STRUCTURE | 13+99.5 | 21.70 RT | N/A | (38.40) | ALTER AND CLEAN EXISTING STRUCTURE. | | | | | | 1 | | | | | | | CLEANING IS INCLUDED IN ALTER ITEM |
| DS 3-1 | EXISTING DRAINAGE STRUCTURE | 15+13 | 23.00 RT | N/A | (44.90) | ALTER AND CLEAN EXISTING STRUCTURE. | | | | | | 1 | | | | | | | CLEANING IS INCLUDED IN ALTER ITEM |
| DS 6-1 | EXISTING MANHOLE | 21+59.23 | 4.11 LT | N/A | (70.03) | CLEAN EXISTING STRUCTURE. | | | | | | | | | | 1 | | | |
| DP 6-1 | INLET | FS 1+17.45 | 14.21 RT | (UNKNOWN) | | CLEAN 22.0 LF OF EXISTING 8 INCH VCP. | | | | | | | | | 22.0 | | | | |
| | PIPE | | | | | | | | | | | | | | | | | | |
| | OUTLET | 21+59.23 | 4.16 LT | (66.40) | | | | | | | | | | | | | | | |
| DS 6-2 | EXISTING DRAINAGE STRUCTURE | FS 1+17.45 | 14.21 RT | | (71.12) | REMOVE EXISTING STRUCTURE. REMOVAL PAID UNDER INSTALLATION OF DS 6-3. | | | | | | | | | | | | | |
| DP 6-2 | INLET | FS 1+41.31 | 12.00 RT | 67.20 | | INSTALL 21.0 LF OF 18 INCH SICPP FROM DS 6-4 TO DS 6-3. | 6.4 | 13.6 | | | 21.0 | | | | | | | | |
| | PIPE | | | | | | | | | | | | | | | | | | |
| | OUTLET | FS 1+17.45 | 14.21 RT | 66.40 | | | | | | | | | | | | | | | |
| DS 6-3 | TYPE U STR *22 F&G | FS 1+17.45 | 14.21 RT | N/A | 71.15 | INSTALL TYPE U STR W/*22 F&G. | 10.9 | 14.9 | 192.0 | | | | | 5.8 | | | | 1 | |
| DS 6-4 | TYPE Q STR F2 F&G | FS 1+41.31 | 12.00 RT | N/A | 71.70 | INSTALL TYPE Q STR W/ F2 F&G. | 10.8 | 14.7 | | | | | 5.0 | | | | 1 | | |
| DS 6-5 | EXISTING DRAINAGE STRUCTURE | 22+22.25 | 22.00 RT | N/A | (72.60) | ALTER AND CLEAN EXISTING STRUCTURE. | | | | | | 1 | | | | | | | CLEANING IS INCLUDED IN ALTER ITEM |
| DS 8-1 | EXISTING DRAINAGE STRUCTURE | FA 4+21.21 | 12.1 LT | N/A | (135.67) | CLEAN EXISTING STRUCTURE. | | | | | | | | | | 1 | | | |
| DP 8-1 | INLET | FA 5+51.31 | 13.9 LT | 137.6 | | INSTALL 129.0 LF OF 15 INCH RCP FROM DS 8-1 TO DS 8-2. | 41.4 | 61.7 | | 129.0 | | | | | | | | | |
| | PIPE | | | | | | | | | | | | | | | | | | |
| | OUTLET | FA 4+21.21 | 12.1 LT | 132.7 | | | | | | | | | | | | | | | |
| DS 8-2 | TYPE Q STR F2 F&G | FA 5+51.31 | 13.9 LT | N/A | 141.00 | INSTALL TYPE Q STR W/ F2 F&G. | 8.3 | 11.3 | | | | | 4.0 | | | | 1 | | |
| DP 8-2 | INLET | FA 5+52.28 | 26.80 RT | 138.8 | | INSTALL 36.0 LF OF 15 INCH RCP FROM DS 8-2 TO DS 8-4. | 10.4 | 14.2 | | 36.0 | | | | | | | | | |
| | PIPE | | | | | | | | | | | | | | | | | | |
| | OUTLET | FA 5+51.31 | 14.35 LT | 137.6 | | | | | | | | | | | | | | | |
| DS 8-3 | EXISTING DRAINAGE STRUCTURE | FA 5+51.62 | 16.90 RT | | (142.01) | REMOVE EXISTING STRUCTURE. REMOVAL PAID UNDER INSTALLATION OF DP 8-2. | | | | | | | | | | | | | |
| DP 8-3 | INLET | FA 5+83.63 | 14.14 LT | 140.2 | | INSTALL 30.0 LF OF 15 INCH RCP FROM DS 8-2 TO DS 8-5. REMOVE EXISTING PIPE. PIPE REMOVAL PAID UNDER EXCAVATION FOR DP 8-3. | 8.4 | 13.4 | | 30.0 | | | | | | | | | |
| | PIPE | | | | | | | | | | | | | | | | | | |
| | OUTLET | FA 5+51.31 | 13.90 LT | 138.1 | | | | | | | | | | | | | | | |
| DS 8-4 | TYPE Q STR F2 F&G | FA 5+52.28 | 26.80 RT | | 142.25 | INSTALL TYPE Q STR W/ F2 F&G. | 8.3 | 11.3 | | | | | 3.8 | | | | 1 | | |
| DP 8-4 | INLET | FA 5+87.15 | 24.29 RT | 140.8 | | INSTALL 37.0 LF OF 15 INCH RCP FROM DS 8-5 TO DS 8-7. REMOVE EXISTING PIPE. | 10.7 | 17.2 | | 37.0 | | | | | | | | | |
| | PIPE | | | | | | | | | | | | | | | | | | |
| | OUTLET | FA 5+83.67 | 14.10 LT | 140.3 | | | | | | | | | | | | | | | |
| DS 8-5 | EXISTING DRAINAGE STRUCTURE | FA 5+83.67 | 14.10 LT | | (142.40) | ALTER AND CLEAN EXISTING STRUCTURE. | | | | | | 1 | | | | | | | CLEANING IS INCLUDED IN ALTER ITEM |
| DP 8-5 | INLET | FA 5+52.91 | 14.99 RT | 140.8 | | REMOVE EXISTING 8" PVC PIPE. (35.0 LF) EXCAVATION FOR THIS ITEM IS COVERED UNDER EXCAVATION FOR FISHKILL AVENUE RECONSTRUCTION. | | | | | | | | | | | | | |
| | PIPE | | | | | | | | | | | | | | | | | | |
| | OUTLET | FA 5+34.14 | 13.12 LT | (UNKNOWN) | | | | | | | | | | | | | | | |
| DS 8-6 | EXISTING DRAINAGE STRUCTURE | FA 5+86.49 | 16.40 RT | | (143.67) | REMOVE EXISTING STRUCTURE. STRUCTURE REMOVAL PAID UNDER EXCAVATION FOR DP 8-4. | | | | | | | | | | | | | |

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VILLAGE OF COLD SPRING

PUTNAM COUNTY, N.Y.

STATE OF NEW YORK

MANUEL T. SALORIO, JR.

076997

PROFESSIONAL ENGINEER

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PIN 8759.53 & 8760.04

CORRIDOR IMPROVEMENTS

MAIN STREET &
ANCILLARY STREETS

VILLAGE OF COLD SPRING,
PUTNAM COUNTY, NY

DRAINAGE
TABLE

| | | |
|--------------------|--------------------------|---|
| Designed By: RD | Project No.: 21204 | Drawing No.: DT-1 SHEET 29 |
| Drawn By: MED | Scale: NONE | |
| Checked By: MTS | Plot Date: 11/23/2015 | |

FILE NAME = U:\21204\CAADD\MSTN\21204_cph.dt-02.dgn
DATE/TIME = 11/23/2015
USER = 3170

| TABLE OF PROPOSED DRAINAGE | | | | | | | | | | | | | | | | | | | |
|----------------------------|----------------------|------------|----------|--------------------------------|---|--|--------|----------|--------|----------|----------|------------|------------|------------|--------|--------|----------|----------|---------|
| DRAINAGE NUMBER | DRAINAGE FEATURE | STATION | OFFSET | INVERT ELEVATION (EXIST) | FINISHED TOP OF GRATE ELEVATION (EXIST) | DESCRIPTION OF WORK | | | | | | | | | | | | | REMARKS |
| | | | | | | | 203.07 | 206.0201 | 552.17 | 603.6002 | 603.9818 | 604.070801 | 604.301772 | 604.302122 | 621.03 | 621.04 | 655.0705 | 655.1122 | |
| | | | | | | | CY | CY | SF | LF | LF | EA | LF | LF | LF | EA | EA | EA | |
| DS 8-7 | TYPE Q STR F2 F&G | FA 5+87.15 | 24.29 RT | | 143.40 | INSTALL TYPE Q STR W/ F2 F&G. | 8.3 | 11.3 | | | | | 3.6 | | | | 1 | | |
| DP 8-7 | INLET | FA 5+82.04 | 12.86 LT | (140.2) | | REMOVE 159.0 LF OF EXISTING 16" CMP PIPE. REMOVAL OF THIS ITEM IS COVERED UNDER EXCAVATION FOR INSTALLATION OF DP 8-1. | | | | | | | | | | | | | |
| | PIPE | | | | | | | | | | | | | | | | | | |
| | OUTLET | FA 2+20.47 | 12.55 LT | (UNKNOWN) | | | | | | | | | | | | | | | |
| DS 9-1 | TYPE Q STR F2 F&G | FS 2+58.50 | 12.00 RT | | 74.15 | INSTALL TYPE Q STR W/ F2 F&G. | 10.8 | 14.7 | | | | | 5.0 | | | | 1 | | |
| DP 9-1 | INLET | FS 2+42.60 | 12.00 RT | 69.3 | | INSTALL 113.0 LF OF 18 INCH SICPP FROM DS 9-1 TO DS 6-4 | | | | | | | | | | | | | |
| | PIPE | | | | | | 43.0 | 91.9 | | | 113.0 | | | | | | | | |
| | OUTLET | FS 1+41.31 | 12.00 RT | 67.2 | | | | | | | | | | | | | | | |
| DS 9-2 | TYPE Q STR F2 F&G | FS 3+25.15 | 12.00 RT | | 75.75 | INSTALL TYPE Q STR W/ F2 F&G. | 10.2 | 13.8 | | | | | 5.0 | | | | 1 | | |
| DP 9-2 | INLET | FS 3+25.15 | 12.00 RT | 71.3 | | INSTALL 63.0 LF OF 18 INCH SICPP FROM DS 9-2 TO DS 9-1. | | | | | | | | | | | | | |
| | PIPE | | | | | | 23.1 | 47.7 | | | 63.0 | | | | | | | | |
| | OUTLET | FS 1+41.31 | 12.00 RT | 66.9 | | | | | | | | | | | | | | | |
| TOTAL: | | | | | | | 211.0 | 351.7 | 192.0 | 232.0 | 197.0 | 4 | 26.4 | 5.8 | 22 | 2 | 6 | 1 | |

GENERAL DRAINAGE NOTES:

1. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT CONDITIONS AND QUANTITIES AS SHOWN ON THE DRAINAGE TABLE ARE ESTIMATED. THESE CONDITIONS AND QUANTITIES ARE NOT TO BE DEEMED OR CONSIDERED BY THE CONTRACTOR AS A WARRANTY OR REPRESENTATION OF ACTUAL FIELD CONDITIONS TO BE ENCOUNTERED OR EXACT QUANTITIES OF WORK TO BE PERFORMED.
2. DRAINAGE STRUCTURE OFFSETS AND LENGTHS OF PIPE SHOWN IN THE DRAINAGE TABLE ARE NOMINAL DIMENSIONS. EXACT DIMENSIONS MUST BE DETERMINED IN THE FIELD.
3. AN EXCAVATION PROTECTION SYSTEM (EPS) SHALL BE USED FOR ALL TRENCH EXCAVATIONS DEEPER THAN 5'. PAYMENT FOR THE EPS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 552.17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A SUPPORT SYSTEM THAT WILL NOT ONLY PROTECT WORKERS WITHIN THE EXCAVATION, BUT ALSO SUPPORT ANY AND ALL EXISTING AND NEW UTILITIES AND FACILITIES ENCOUNTERED DURING TRENCHING OPERATIONS.
4. ALL RCP PIPES SHALL BE LAID EVEN WITH, OR CUT FLUSH WITH, THE INSIDE WALL OF THE DRAINAGE STRUCTURE. ALL SICPP PIPE ENDS SHALL PROTRUDE 2" INTO THE DRAINAGE STRUCTURE.
5. TRENCH AND CULVERT EXCAVATION SHALL BE PAID UNDER ITEM 206.0201 - TRENCH AND CULVERT EXCAVATION - THE TOP EXCAVATION PAYMENT LINE SHALL BE EXISTING GROUND. THIS TOP LINE WAS USED FOR QUANTITY WORKUPS.
6. ALL WORK SHALL BE DONE IN STRICT COMPLIANCE WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES, STANDARD ORDINANCES, RULES AND REGULATIONS.

STRUCTURE MODIFICATIONS / ALTERATIONS:

ALL MODIFICATIONS / ALTERATIONS OF THE EXISTING SANITARY AND STORM SEWER STRUCTURES, AS INDICATED ON THE GENERAL PLANS, SHALL BE PERFORMED UNDER ITEM 604.070101. ALL REQUIRED WORK AND MATERIALS SHALL CONFORM TO SECTION 604 OF THE STANDARD SPECIFICATIONS AND AS MODIFIED BELOW.

WHEN THE DEPTH OF THE MODIFICATION/ ALTERATION WOULD EXCEED PRACTICAL STRUCTURE DEPTH, OR IF THE STRUCTURE IS DETERMINED TO BE IN POOR CONDITION, AS DETERMINED SOLELY BY THE ENGINEER, THE STRUCTURE SHALL BE REPLACED WITH A NEW STRUCTURE, FRAME AND COVER/GRATE. THE WORK SHALL BE PAID FOR UNDER THE RESPECTIVE CONTRACT ITEMS AND THE ADJUSTMENT ITEM WILL NOT BE PAID FOR.

ITEM 604.070101:

THE WORK SHALL INCLUDE REMOVING THE EXISTING CASTING, ADJUSTING THE TOP OF THE STRUCTURE BY EITHER REMOVING OR ADDING PRECAST CONCRETE PAVERS, CLEANING THE EXISTING CASTING, RESETTNG THE CASTING AT THE PROPOSED TOP OF FRAME ELEVATION, AND CLEANING THE ENTIRE STRUCTURES.

| TABLE OF DRAINAGE ITEMS | | |
|-------------------------|--|------|
| ITEM NUMBER | DESCRIPTION | UNIT |
| 203.07 | SELECT GRANULAR FILL | CY |
| 206.0201 | TRENCH AND CULVERT EXCAVATION | CY |
| 552.17 | SHIELDS AND SHORING | SF |
| 603.6002 | REINFORCED CONCRETE PIPE CLASS III, 15 INCH DIAMETER | LF |
| 603.9818 | SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 18 INCH DIAMETER | LF |
| 604.070801 | ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES | EA |
| 604.301772 | RECTANGULAR DRAINAGE STRUCTURE TYPE Q FOR CAST IRON F2 FRAME | LF |
| 604.302122 | RECTANGULAR DRAINAGE STRUCTURE TYPE U *22 WELDED FRAME | LF |
| 605.1001 | UNDERDRAIN FILTER TYPE 2 | CY |
| 605.1501 | PERFORATED CORRUGATED POLYETHYLENE UNDERDRAIN TUBING, 4 INCH DIAMETER | LF |
| 621.03 | CLEANING CLOSED DRAINAGE SYSTEMS | LF |
| 621.04 | CLEANING DRAINAGE STRUCTURES | EA |
| 655.0705 | CAST FRAME F2, UNMOUNTABLE CURB BOX CU2 & RETICULINE GRATE G2 | EA |
| 655.1122 | WELDED FRAME AND RETICULINE GRATE 22 | EA |

| UNDERDRAIN TABLE | | | | |
|-----------------------------|--|----------|----------|----------|
| LOCATION INLET TO OUTLET | PROPOSED WORK | 206.0201 | 605.1001 | 605.1501 |
| | | CY | CY | LF |
| FS 3+23.0 TO FS 2+60.50 RT | INSTALL 62.5 FT OF 4" UNDERDRAIN. OUTLET TO DS 9-1 | 4.6 | 4.6 | 62.5 |
| FS 2+56.50 TO FS 1+43.50 RT | INSTALL 113.0 FT OF 4" UNDERDRAIN. OUTLET TO DS 6-4. | 8.4 | 8.4 | 113.0 |
| FA 1+39.50 TO FA 1+19.50 RT | INSTALL 20.0 FT OF 4" UNDERDRAIN. OUTLET TO DS 6-3. | 1.5 | 1.5 | 20.0 |
| TOTAL: | | 14.5 | 14.5 | 195.5 |

CHIA

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VILLAGE OF COLD SPRING

1809

VILLAGE OF COLD SPRING
PUTNAM COUNTY, N.Y.

STATE OF NEW YORK

MANUEL T. SALORIO, JR.

076997

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| No. | Submittal / Revision | Appd. | Date |
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PIN 8759.53 & 8760.04

CORRIDOR IMPROVEMENTS

MAIN STREET &

ANCILLARY STREETS

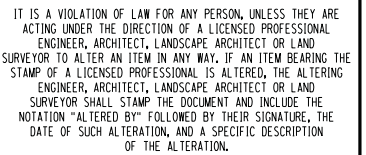
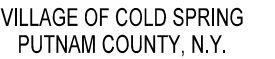
VILLAGE OF COLD SPRING,

PUTNAM COUNTY, NY

DRAINAGE

TABLE

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|--------------------|--------------------------|---------------------------------|
| Designed By: RD | Project No.: 21204 | Drawing No.: <div>DT-2</div> |
| Drawn By: MED | Scale: NONE | |
| Checked By: MTS | Plot Date: 11/23/2015 | |
| | | SHEET 30 |



PIN 8759.53 & 8760.04
CORRIDOR IMPROVEMENTS
MAIN STREET &
ANCILLARY STREETS
VILLAGE OF COLD SPRING,
PUTNAM COUNTY, NY

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|--------------------|--------------------------|--|
| Designed By: RD | Project No.: 21204 | Drawing No.: EOQ-1 SHEET 31 |
| Drawn By: MED | Scale: NONE | |
| Checked By: MTS | Plot Date: 11/23/2015 | |

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DATE/TIME = 11/23/2015
USER = 3170
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